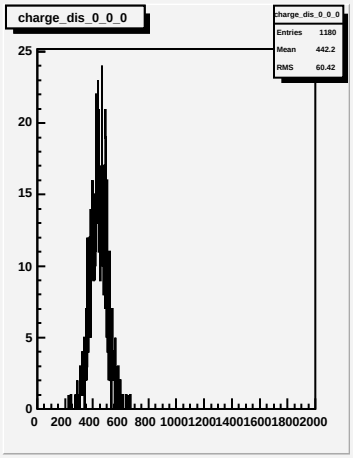
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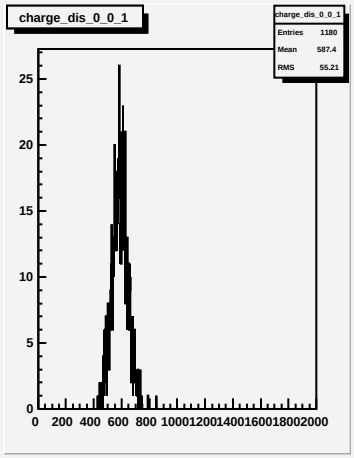
Mean 442.2
RMS 60.42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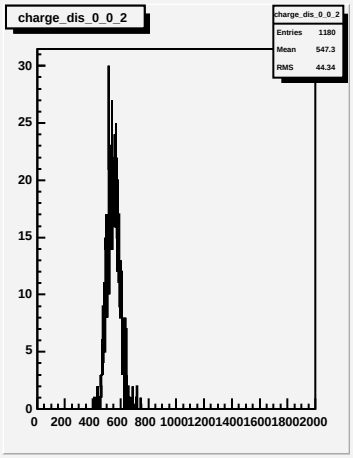
charge_dis_0_0_1
Entries 1180
Mean 587.4
RMS 55.21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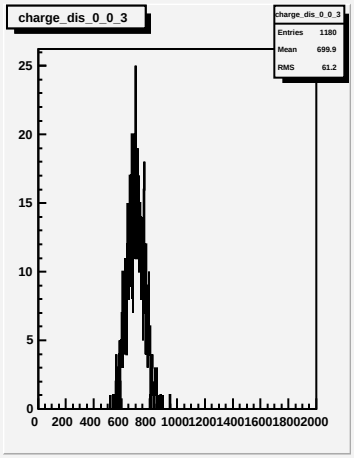
charge_dis_0_0_2
Entries 1180
Mean 547.3
RMS 44.34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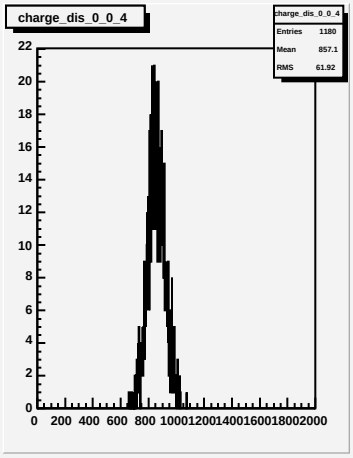
Entries 1180
Mean 699.9
RMS 61.2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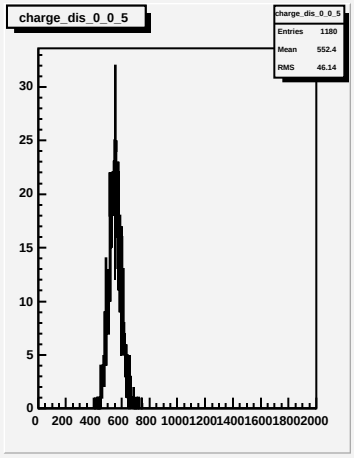
Mean 857.1
RMS 61.92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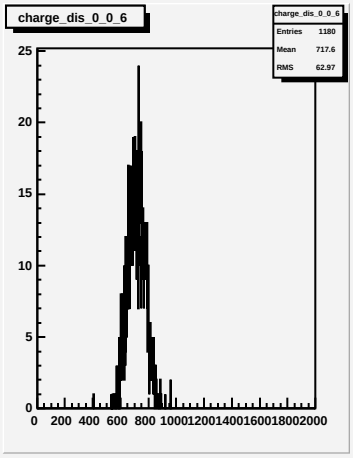
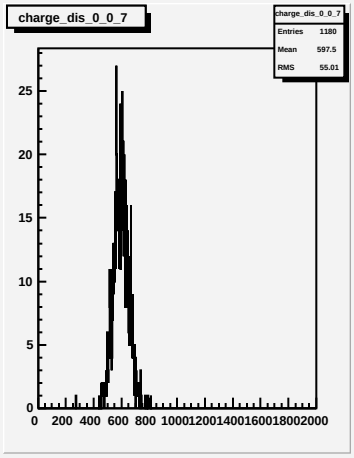
Entries 1180
Mean 552.4
RMS 46.14


charge_dis_0_0_6
charge_dis_0_0_6
Entries 1180
Mean 717.6
RMS 62.97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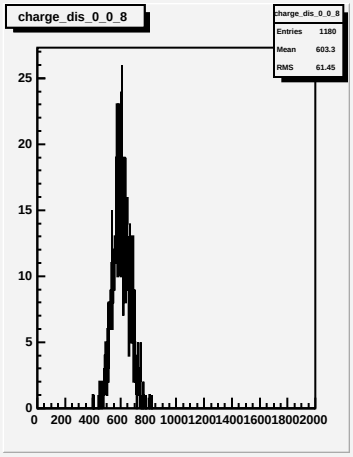
Mean 597.5
RMS 55.01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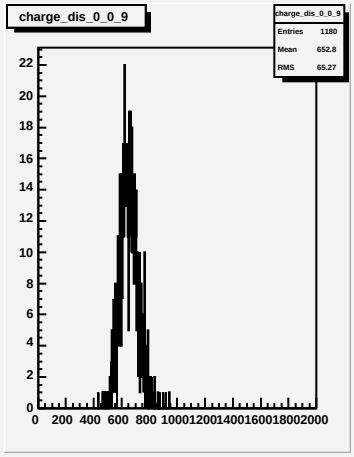
Entries 1180
Mean 603.3
RMS 61.45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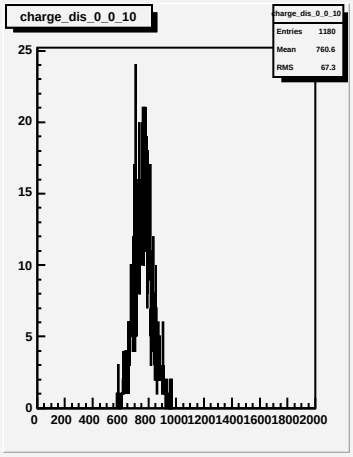
Entries 1180
Mean 652.8
RMS 65.27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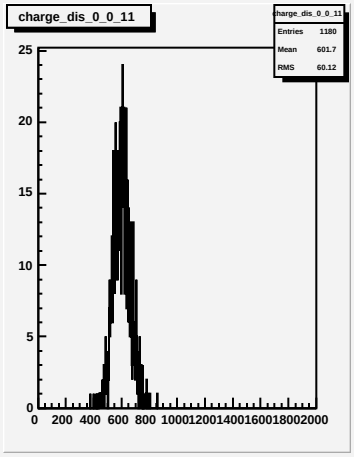
Entries 1180
Mean 760.6
RMS 67.3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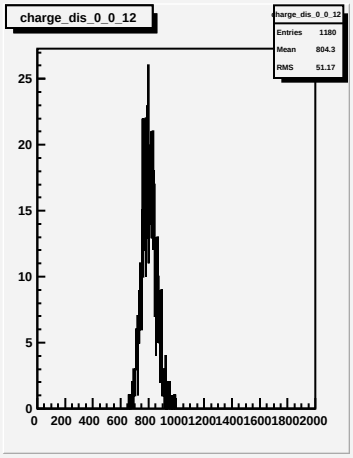
Mean 601.7
RMS 60.12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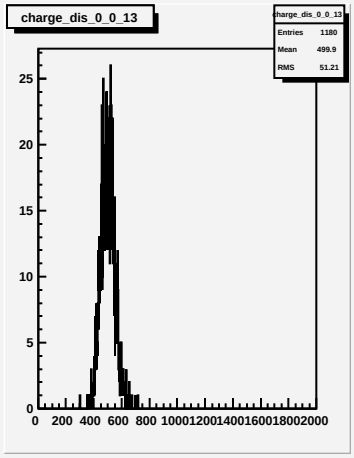
Entries 1180
Mean 804.3
RMS 51.17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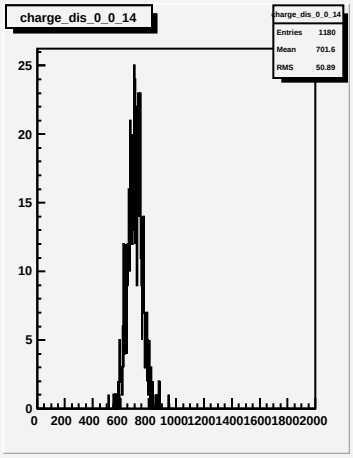
Entries 1180
Mean 499.9
RMS 51.21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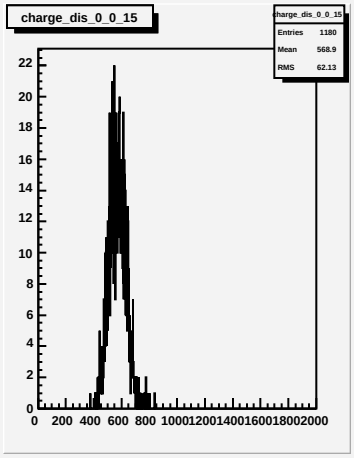
Entries 1180
Mean 701.6
RMS 50.89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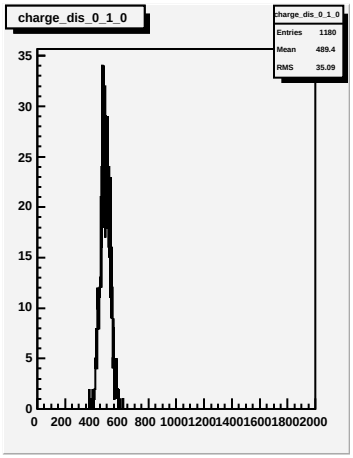
Entries 1180
Mean 568.9
RMS 62.13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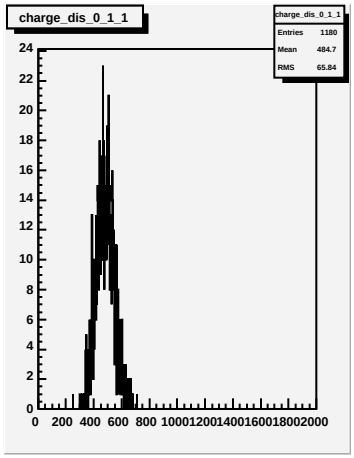
Mean 489.4
RMS 35.09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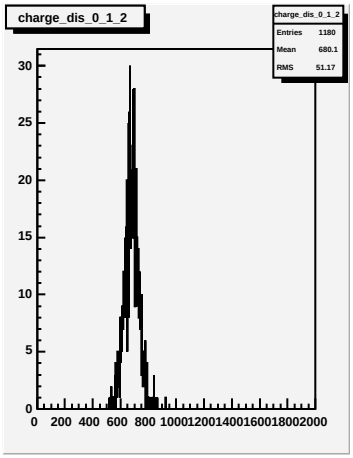
Entries 1180
Mean 484.7
RMS 65.84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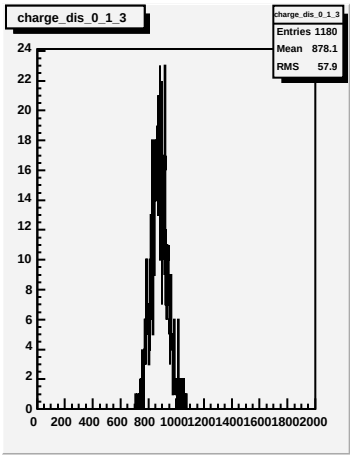
Entries 1180
Mean 680.1
RMS 51.17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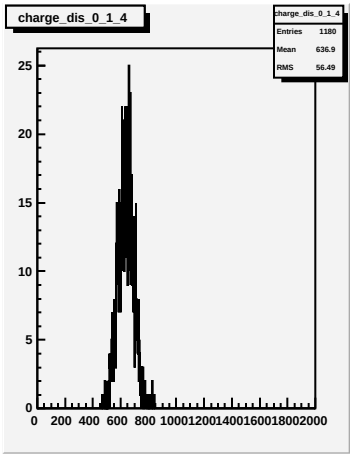
Entries 1180
Mean 878.1
RMS 57.9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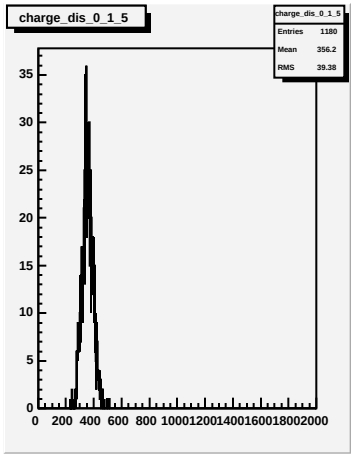
Entries 1180
Mean 636.9
RMS 56.49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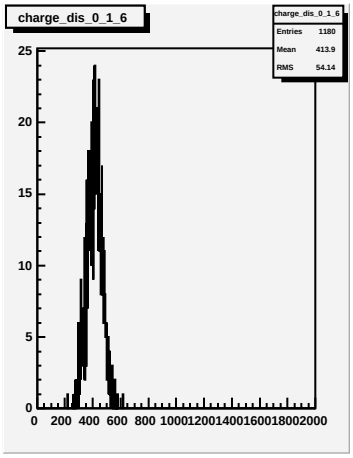
Entries 1180
Mean 356.2
RMS 39.38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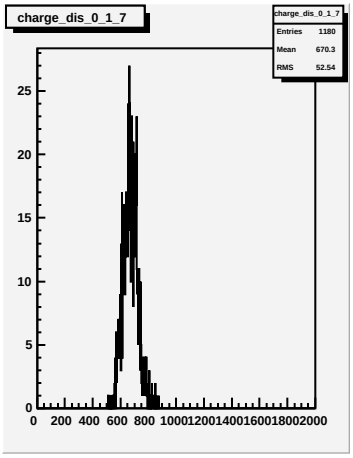
charge_dis_0_1_6
Entries 1180
Mean 413.9
RMS 54.14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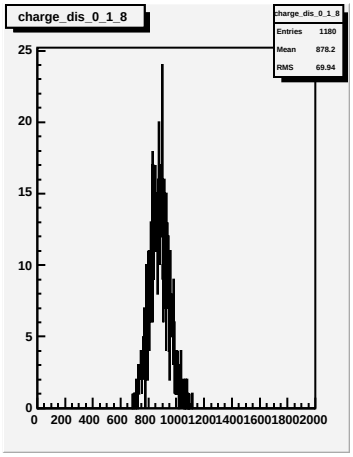
RMS 52.54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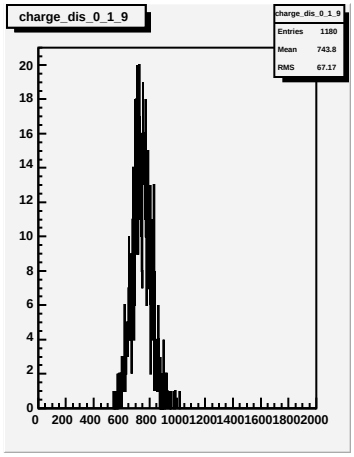
Entries 1180
Mean 878.2
RMS 69.94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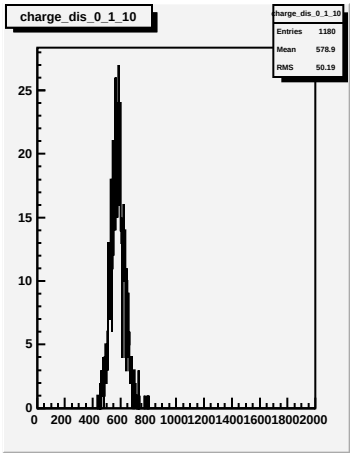
Mean 743.8
RMS 67.17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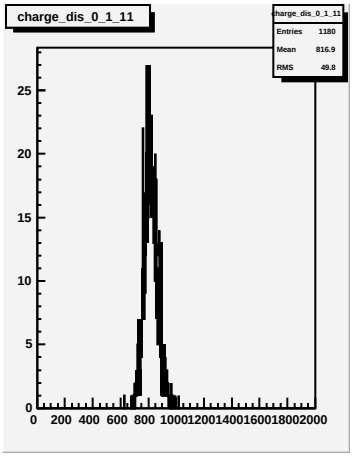
Entries 1180
Mean 578.9
RMS 50.19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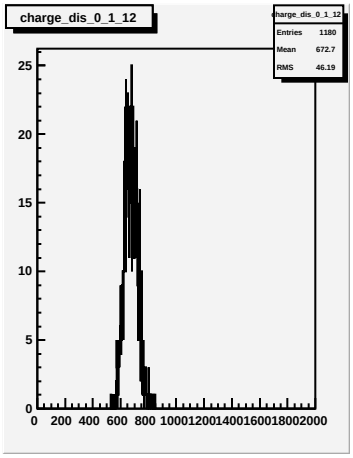
Entries 1180
Mean 816.9
RMS 49.8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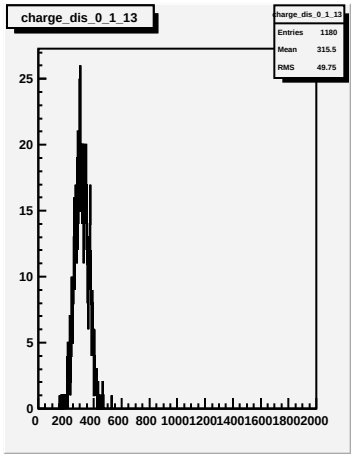
Entries 1180
Mean 672.7
RMS 46.19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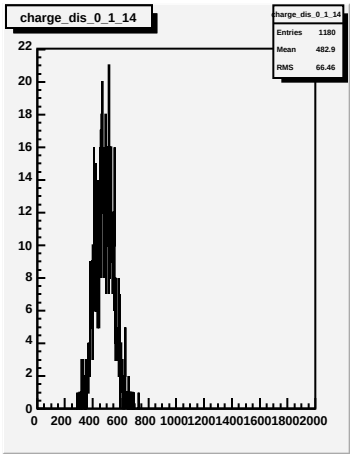
Entries 1180
Mean 315.5
RMS 49.75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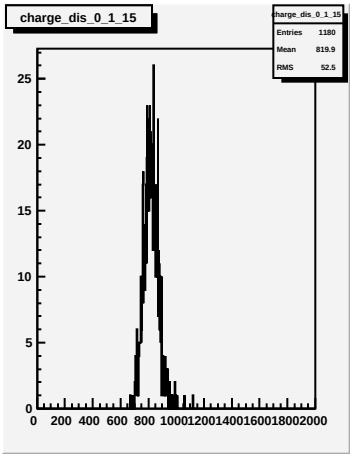
Entries 1180
Mean 482.9
RMS 66.46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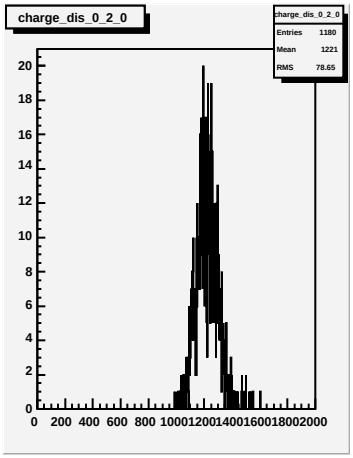
Entries 1180
Mean 819.9
RMS 52.5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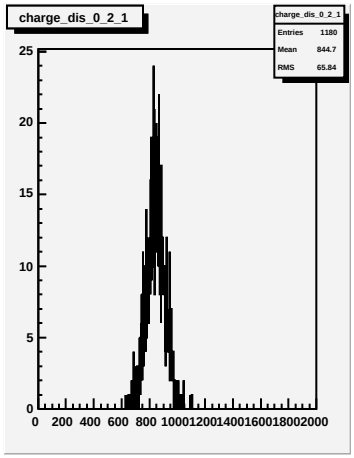
Mean 1221
RMS 78.65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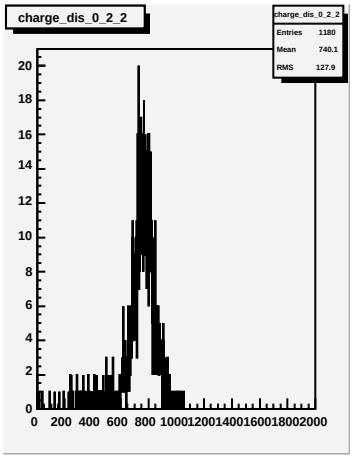
Mean 844.7
RMS 65.84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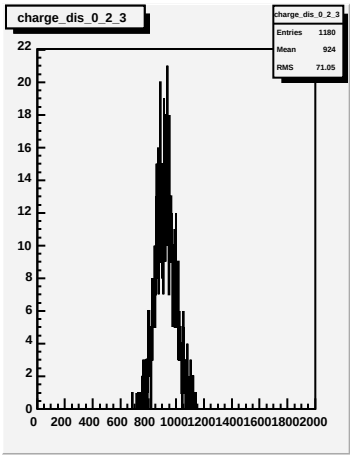
Mean 740.1
RMS 127.9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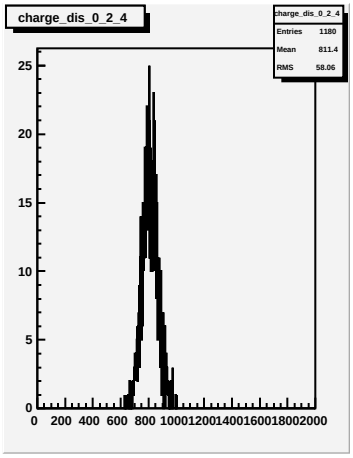
Entries 1180
Mean 924
RMS 71.05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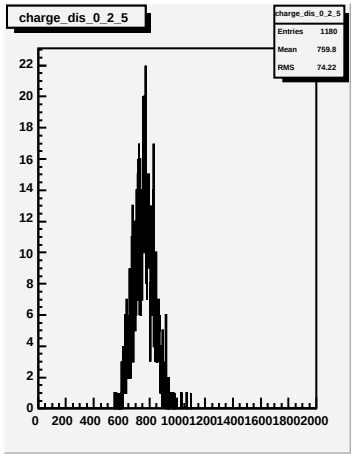
Entries 1180
Mean 811.4
RMS 58.06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Mean 759.8
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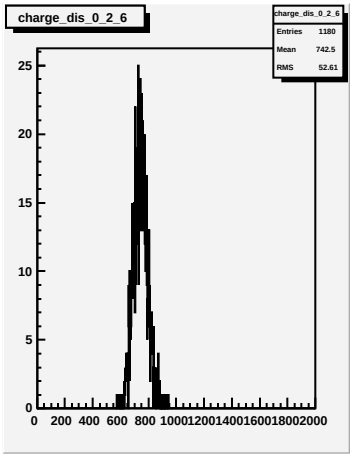
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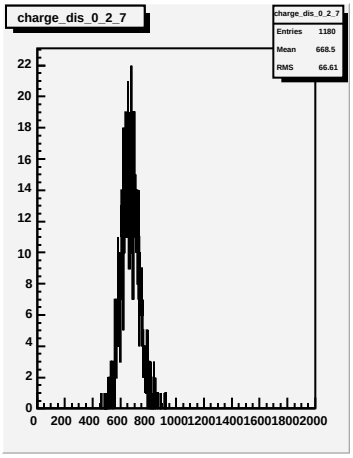
RMS 52.61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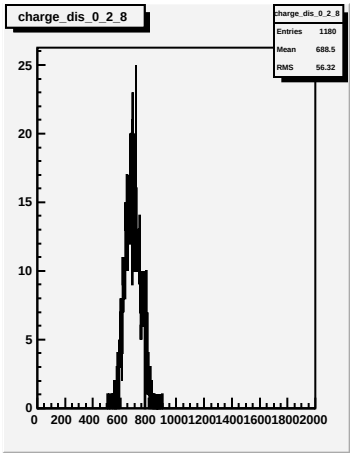
Entries 1180
Mean 668.5
RMS 66.61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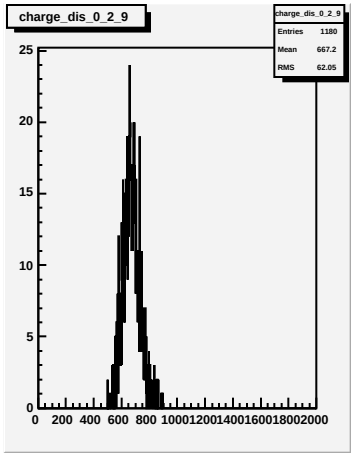
Mean 688.5
RMS 56.32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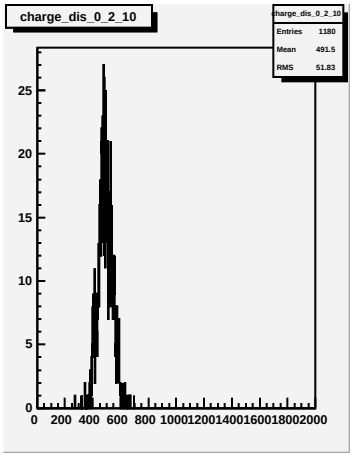
Entries 1180
Mean 667.2
RMS 62.05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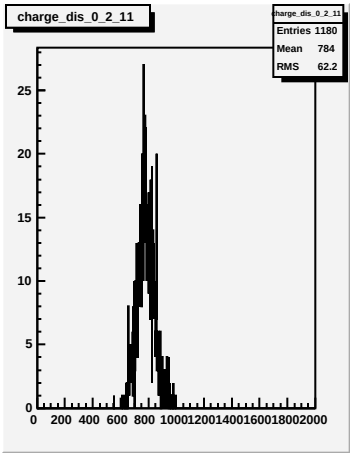
Mean 491.5
RMS 51.83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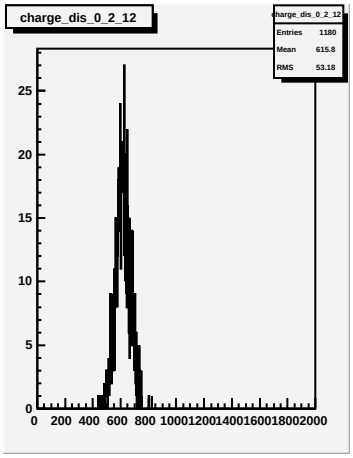
Entries 1180
Mean 784
RMS 62.2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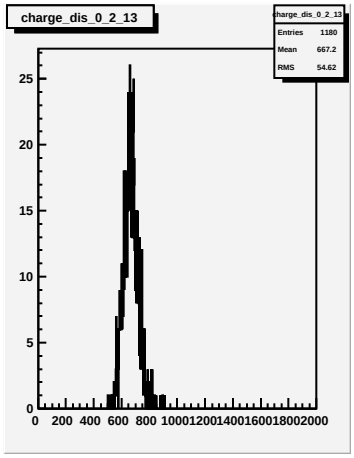
Mean 615.8
RMS 53.18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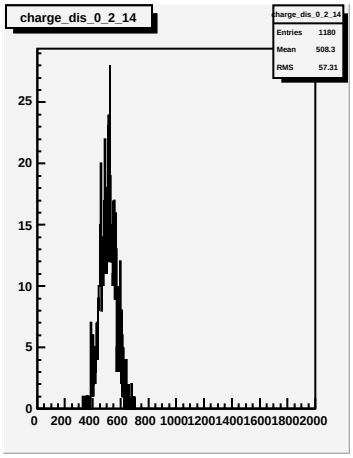
RMS 54.62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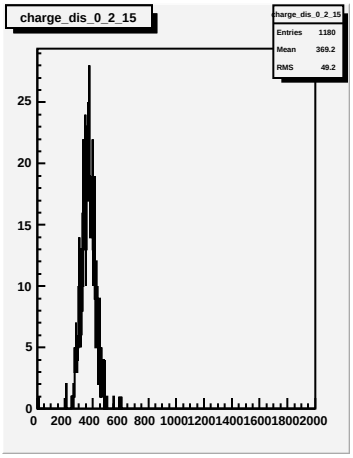
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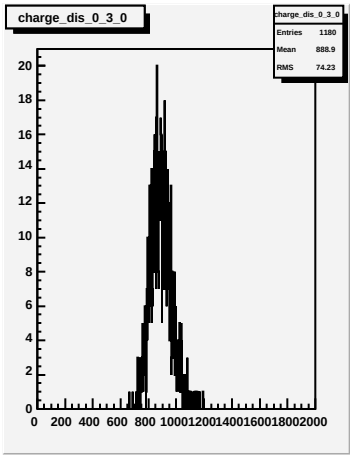
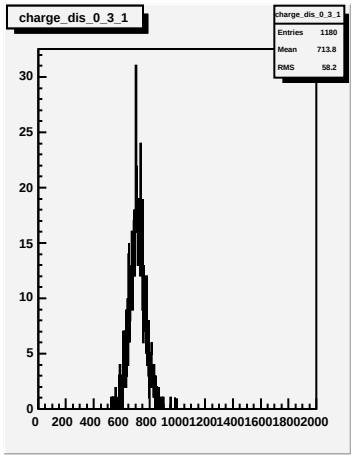
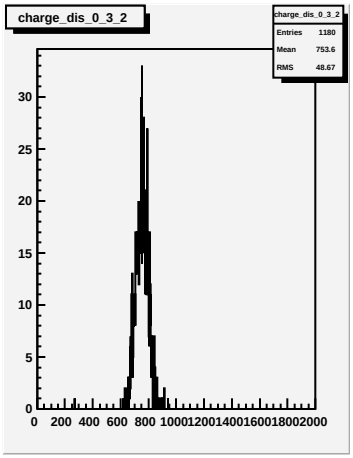
charge_dis_0_2_15
Entries 1180
Mean 369.2
RMS 49.2


charge_dis_0_3_0
charge_dis_0_3_0
Entries 1180
Mean 888.9
RMS 74.23


charge_dis_0_3_1
charge_dis_0_3_1
Entries 1180
Mean 713.8
RMS 58.2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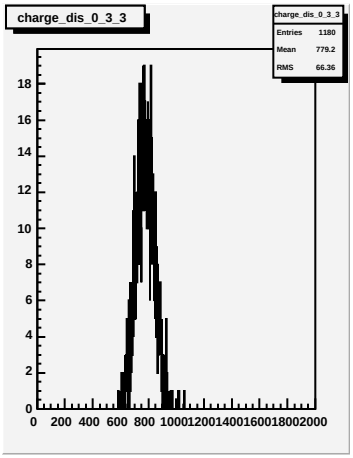
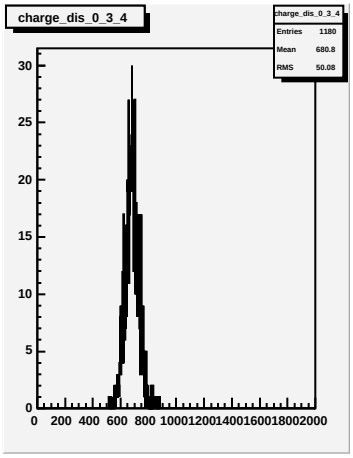
charge_dis_0_3_2
Entries 1180
Mean 753.6
RMS 48.67


charge_dis_0_3_3
charge_dis_0_3_3
Entries 1180
Mean 779.2
RMS 66.36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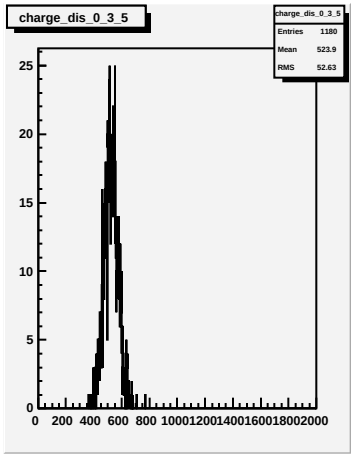
Entries 1180
Mean 680.8
RMS 50.08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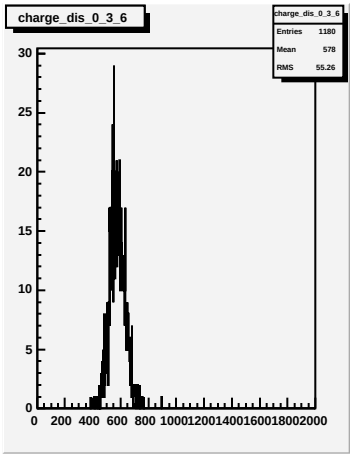
charge_dis_0_3_5
Entries 1180
Mean 523.9
RMS 52.63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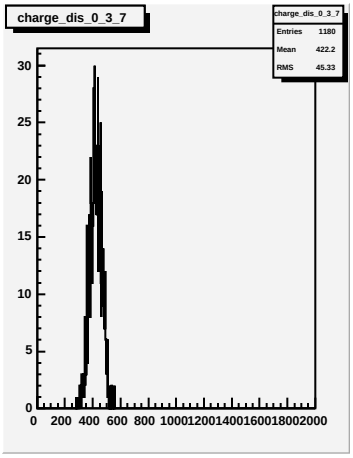
Entries 1180
Mean 578
RMS 55.26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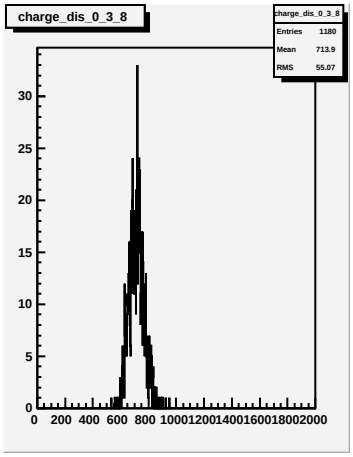
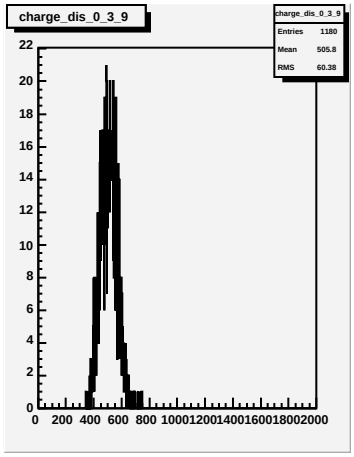
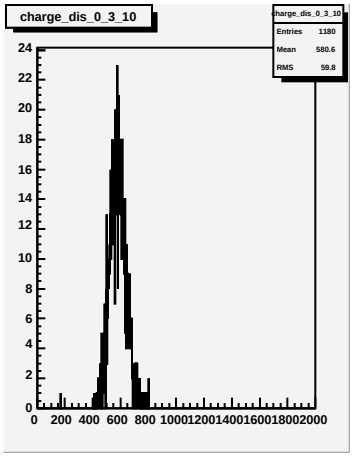
Entries 1180
Mean 422.2
RMS 45.33


charge_dis_0_3_8
charge_dis_0_3_8
Entries 1180
Mean 713.9
RMS 55.07


charge_dis_0_3_9
charge_dis_0_3_9
Entries 1180
Mean 505.8
RMS 60.38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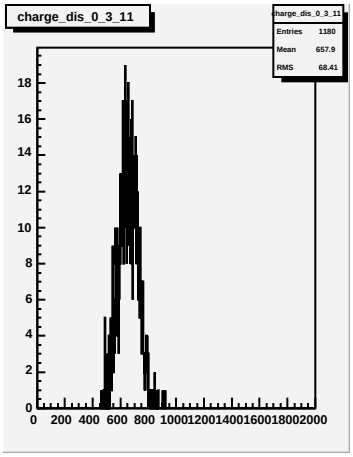
charge_dis_0_3_10
Entries 1180
Mean 580.6
RMS 59.8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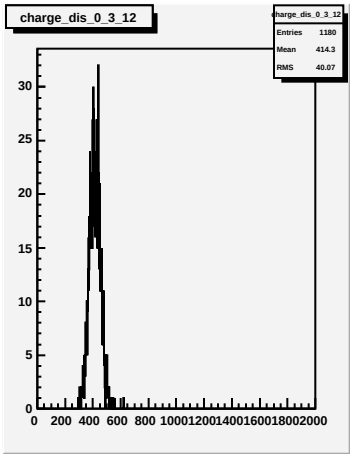
charge_dis_0_3_11
Entries 1180
Mean 657.9
RMS 68.41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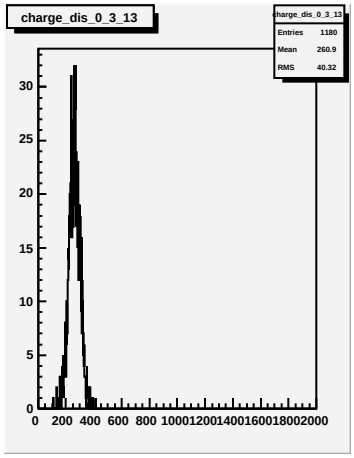
Entries 1180
Mean 414.3
RMS 40.07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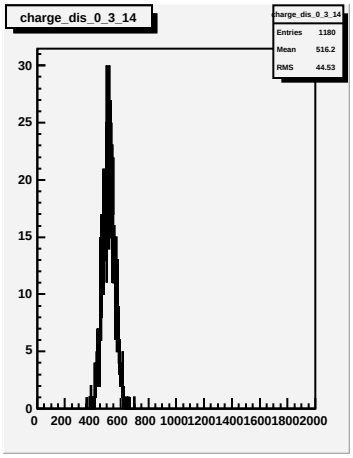
charge_dis_0_3_13
Entries 1180
Mean 260.9
RMS 40.32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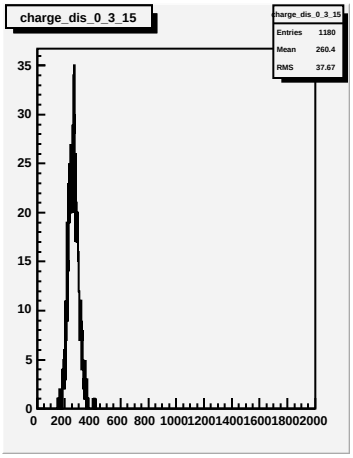
charge_dis_0_3_14
Entries 1180
Mean 516.2
RMS 44.53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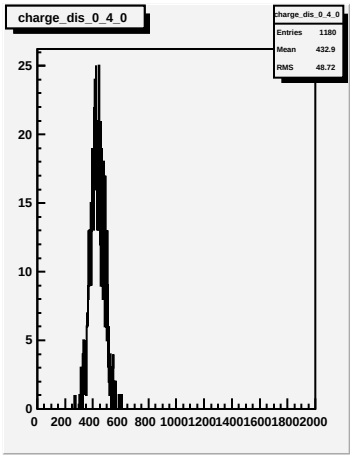
charge_dis_0_3_15
Entries 1180
Mean 260.4
RMS 37.67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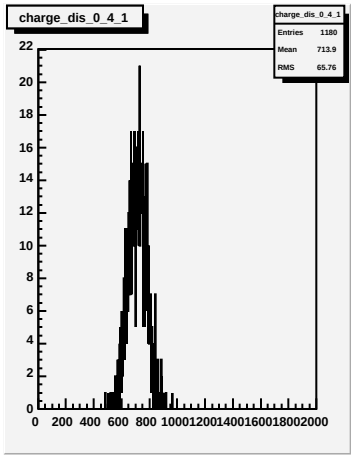
charge_dis_0_4_0
Entries 1180
Mean 432.9
RMS 48.72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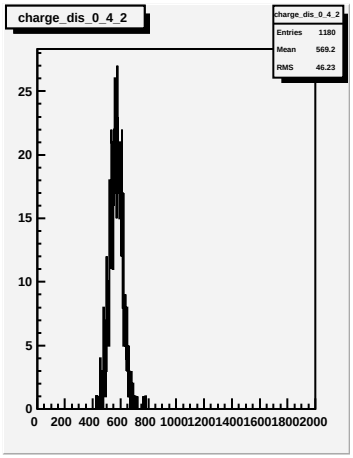
Entries 1180
Mean 713.9
RMS 65.76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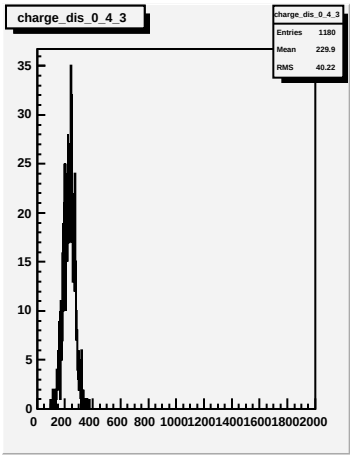
charge_dis_0_4_2
Entries 1180
Mean 569.2
RMS 46.23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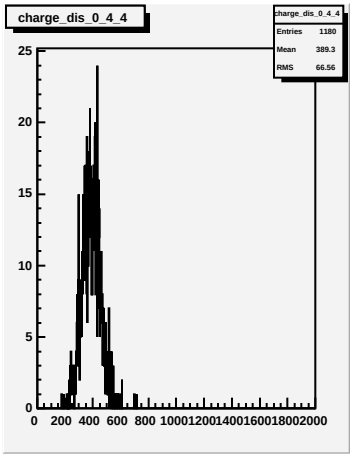
Entries 1180
Mean 229.9
RMS 40.22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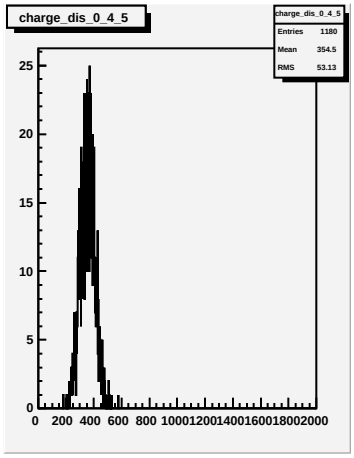
charge_dis_0_4_4
Entries 1180
Mean 389.3
RMS 66.56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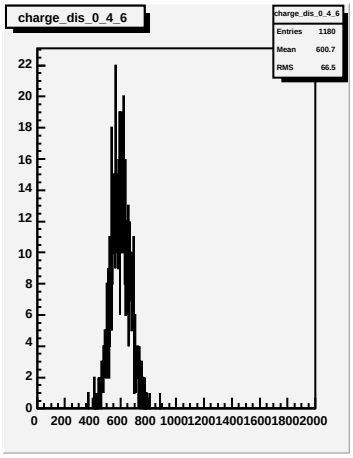
charge_dis_0_4_5
Entries 1180
Mean 354.5
RMS 53.13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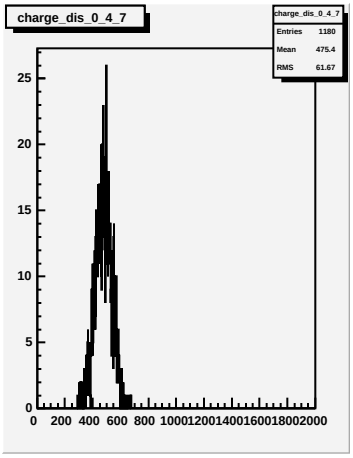
charge_dis_0_4_6
Entries 1180
Mean 600.7
RMS 66.5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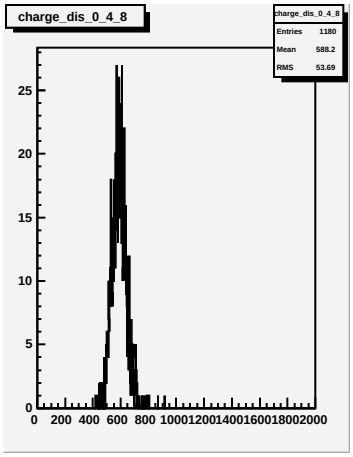
charge_dis_0_4_7
Entries 1180
Mean 475.4
RMS 61.67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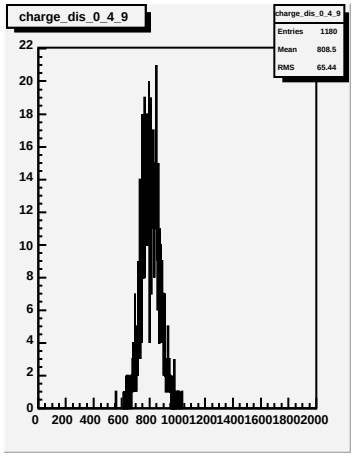
Entries 1180
Mean 588.2
RMS 53.69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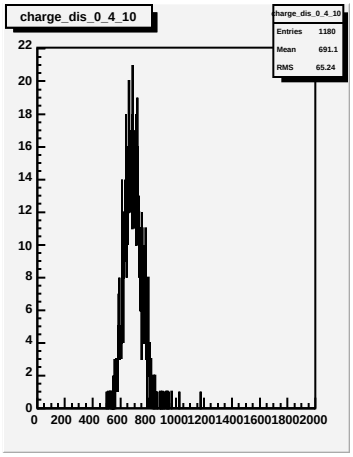
Entries 1180
Mean 808.5
RMS 65.44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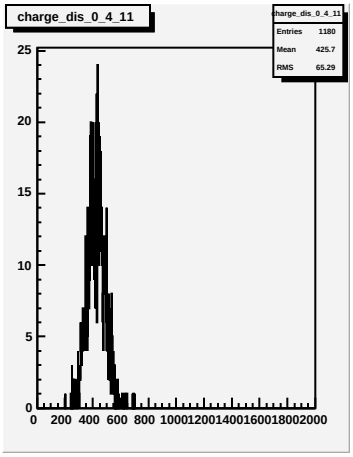
Mean 691.1
RMS 65.24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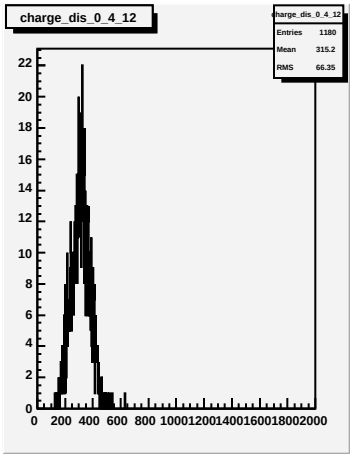
charge_dis_0_4_11
Entries 1180
Mean 425.7
RMS 65.29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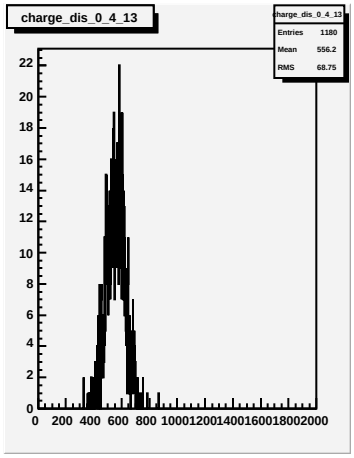
Entries 1180
Mean 315.2
RMS 66.35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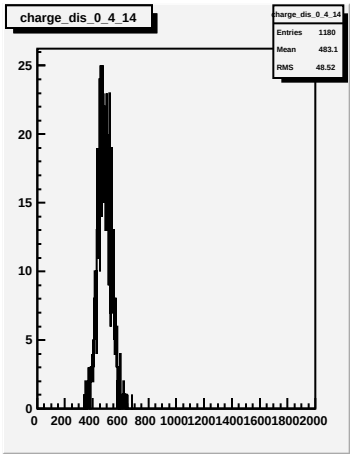
charge_dis_0_4_13
Entries 1180
Mean 556.2
RMS 68.75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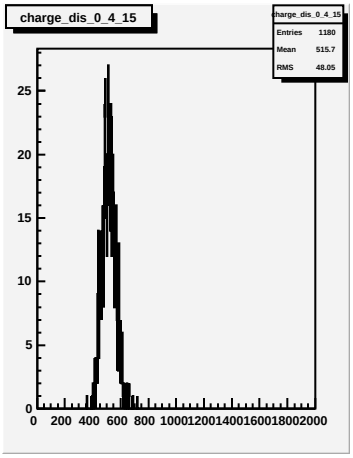
Entries 1180
Mean 483.1
RMS 48.52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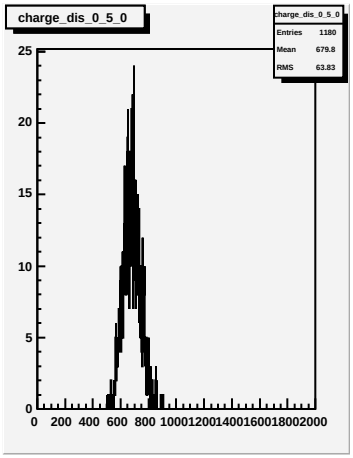
Entries 1180
Mean 515.7
RMS 48.05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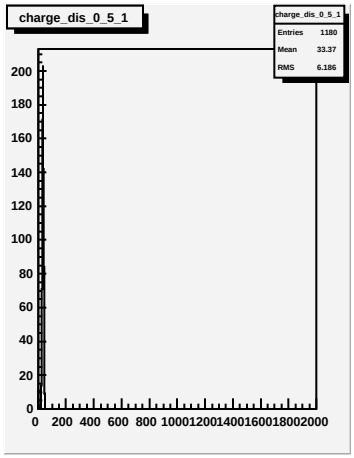
Mean 679.8
RMS 63.83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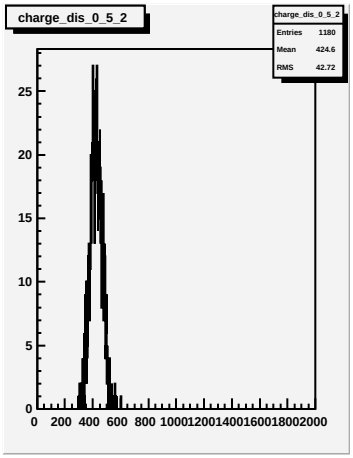
Entries 1180
Mean 33.37
RMS 6.186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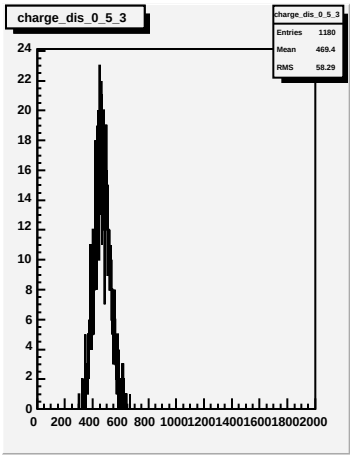
Entries 1180
Mean 424.6
RMS 42.72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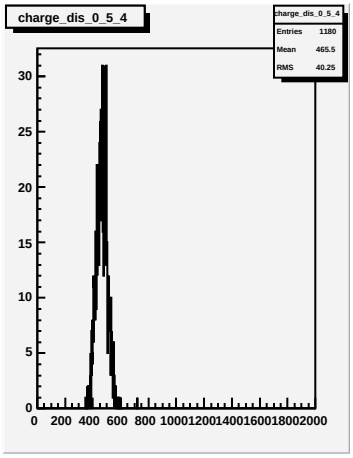
Entries 1180
Mean 469.4
RMS 58.29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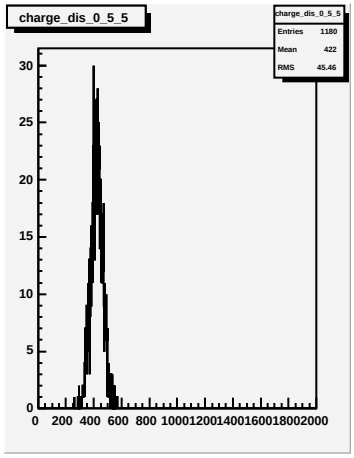
Entries 1180
Mean 465.5
RMS 40.25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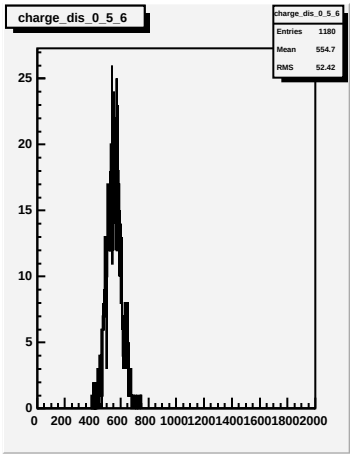
Entries 1180
Mean 422
RMS 45.46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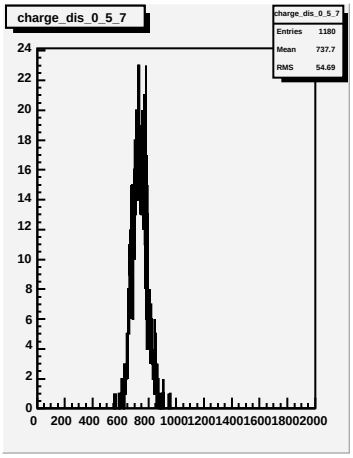
Entries 1180
Mean 554.7
RMS 52.42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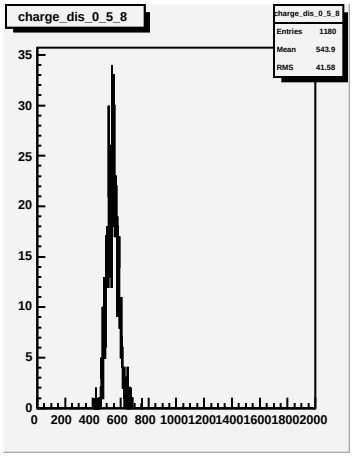
charge_dis_0_5_7
Entries 1180
Mean 737.7
RMS 54.69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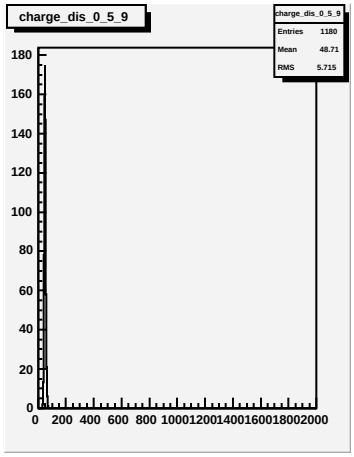
charge_dis_0_5_8
Entries 1180
Mean 543.9
RMS 41.58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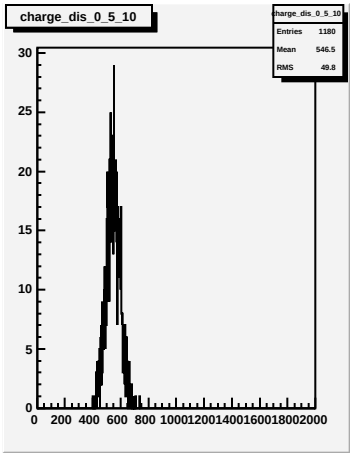
Entries 1180
Mean 48.71
RMS 5.715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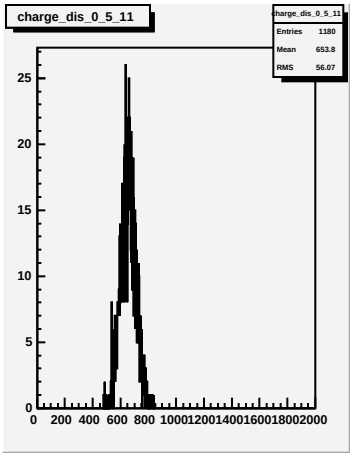
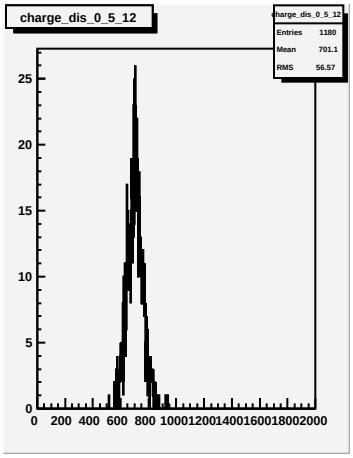
charge_dis_0_5_10
Entries 1180
Mean 546.5
RMS 49.8


charge_dis_0_5_11
charge_dis_0_5_11
Entries 1180
Mean 653.8
RMS 56.07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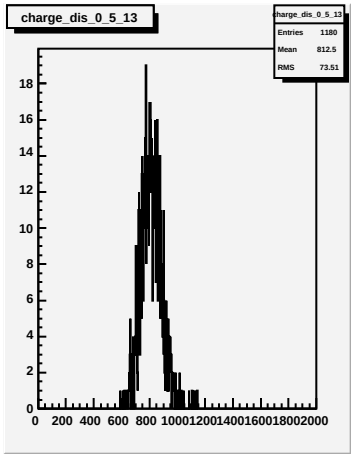
Entries 1180
Mean 701.1
RMS 56.57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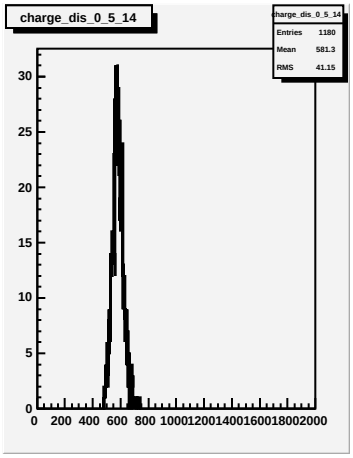
Entries 1180
Mean 812.5
RMS 73.51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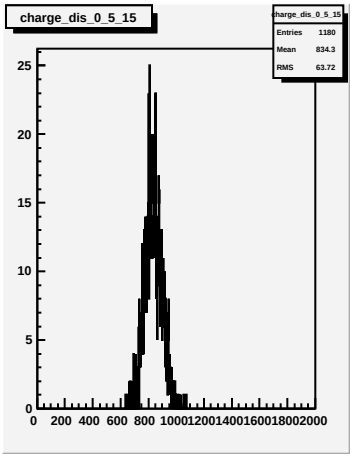
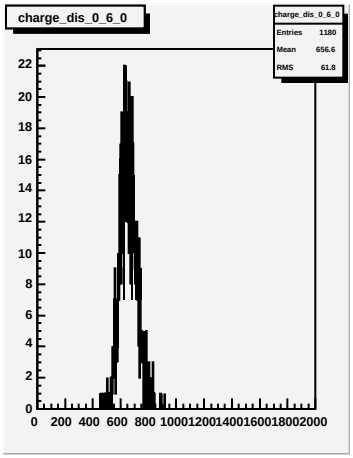
Entries 1180
Mean 581.3
RMS 41.15


charge_dis_0_5_15
charge_dis_0_5_15
Entries 1180
Mean 834.3
RMS 63.72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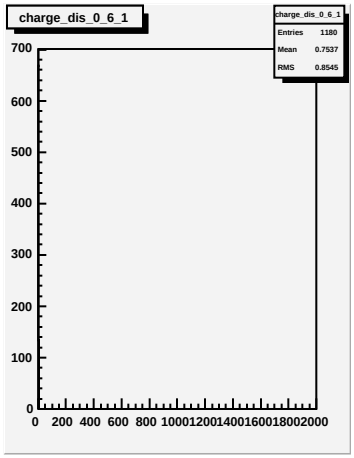
charge_dis_0_6_0
Entries 1180
Mean 656.6
RMS 61.8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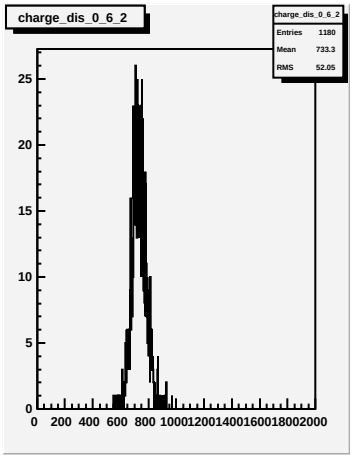
Mean 0.7537
RMS 0.8545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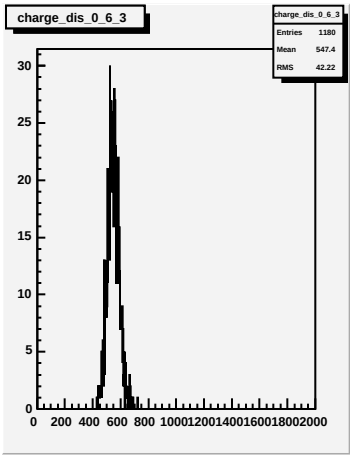
Mean 733.3
RMS 52.05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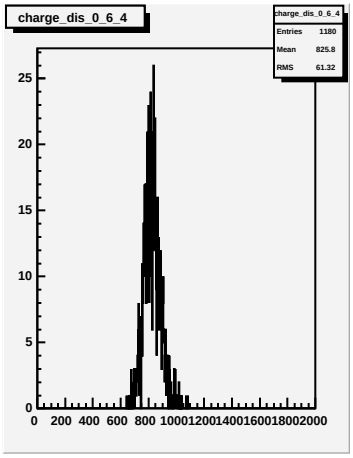
Mean 547.4
RMS 42.22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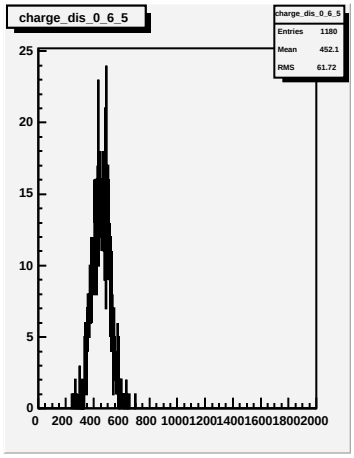
Mean 825.8
RMS 61.32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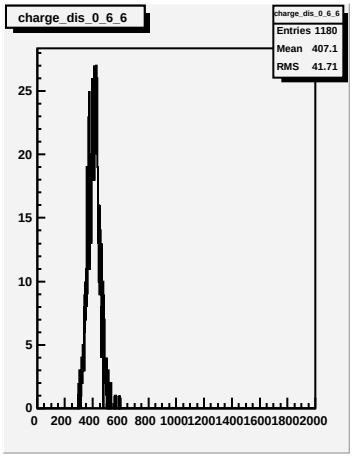
Entries 1180
Mean 452.1
RMS 61.72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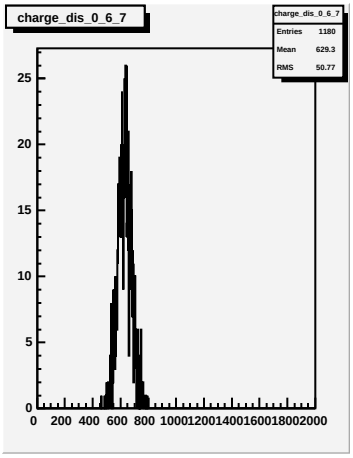
Mean 407.1
RMS 41.71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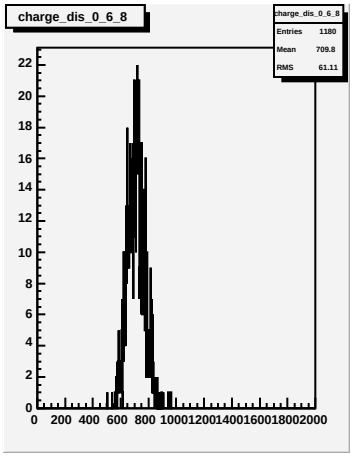
Mean 629.3
RMS 50.77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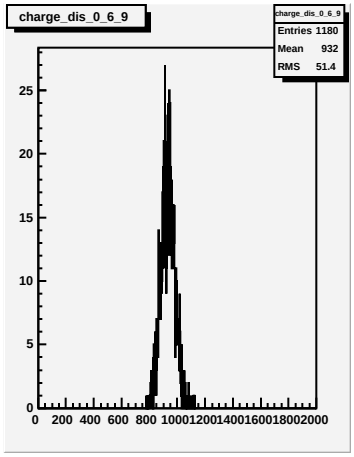
Entries 1180
Mean 709.8
RMS 61.11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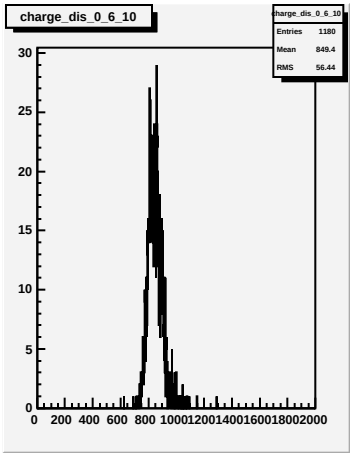
Entries 1180
Mean 932
RMS 51.4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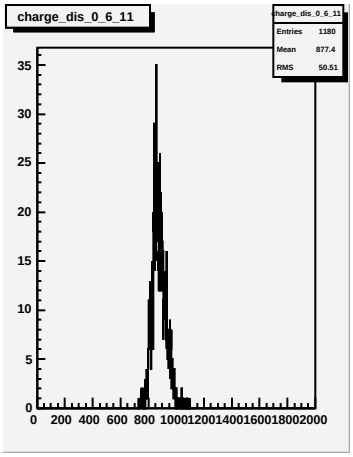
Mean 849.4
RMS 56.44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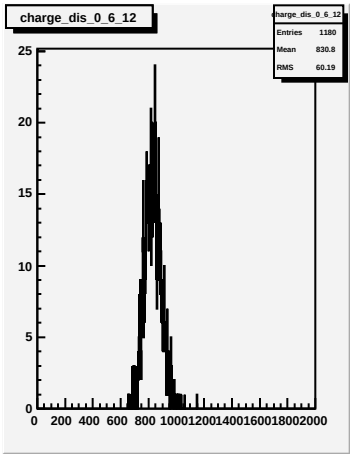
Mean 877.4
RMS 50.51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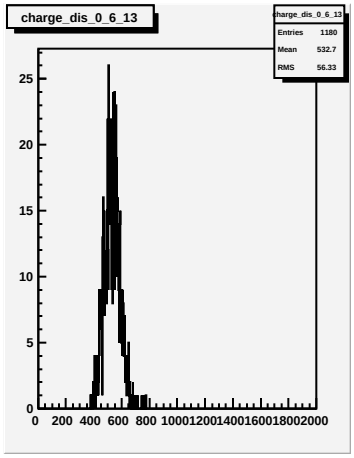
Mean 830.8
RMS 60.19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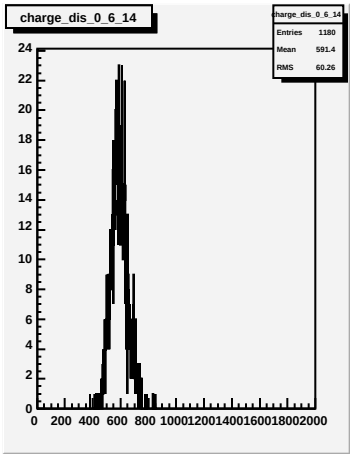
charge_dis_0_6_13
Entries 1180
Mean 532.7
RMS 56.33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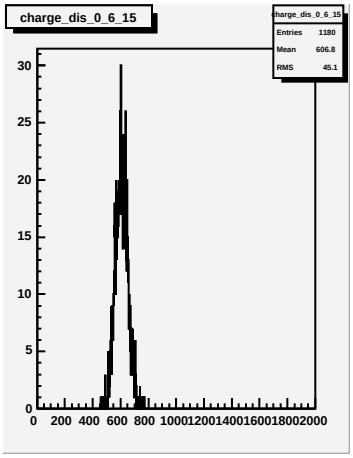
Entries 1180
Mean 591.4
RMS 60.26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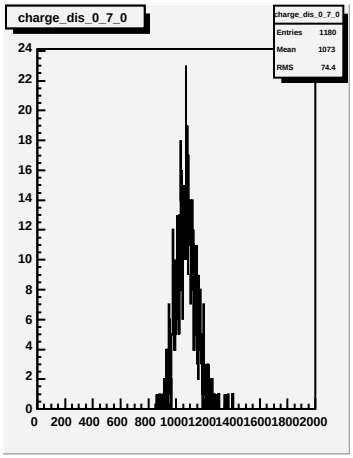
charge_dis_0_6_15
Entries 1180
Mean 606.8
RMS 45.1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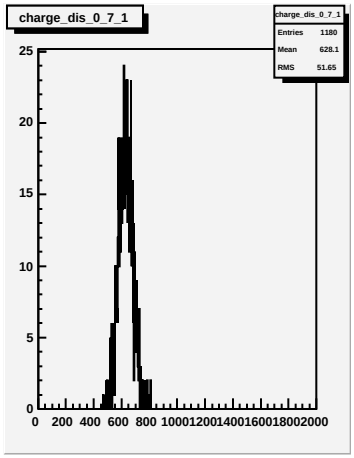
Mean 1073
RMS 74.4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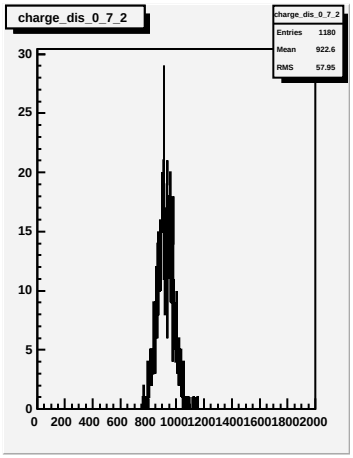
Entries 1180
Mean 628.1
RMS 51.65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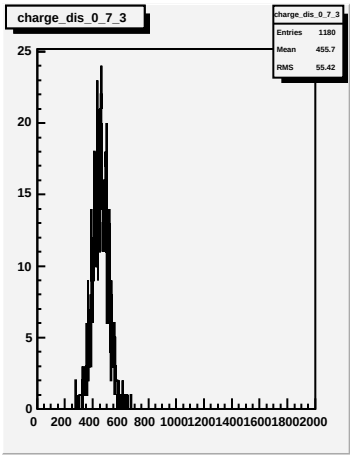
Entries 1180
Mean 922.6
RMS 57.95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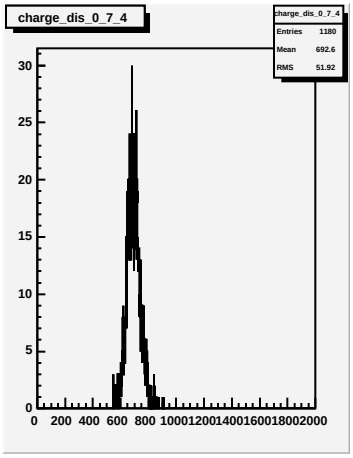
Entries 1180
Mean 455.7
RMS 55.42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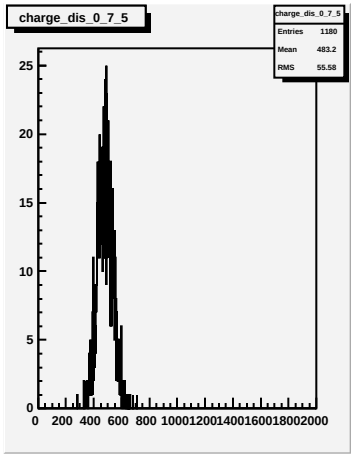
Entries 1180
Mean 692.6
RMS 51.92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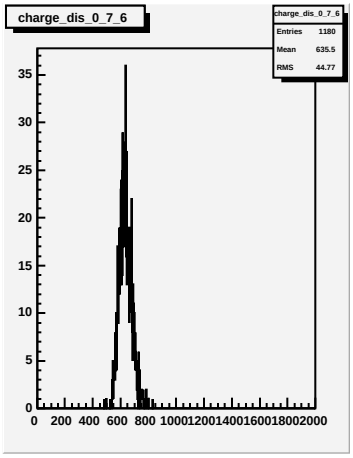
Entries 1180
Mean 483.2
RMS 55.58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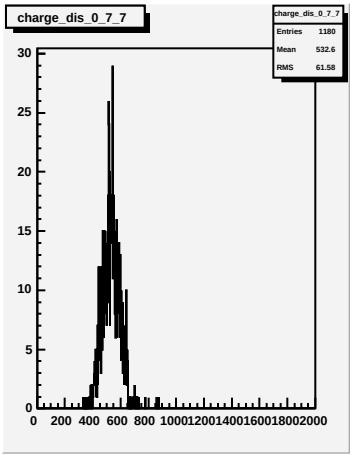
Entries 1180
Mean 635.5
RMS 44.77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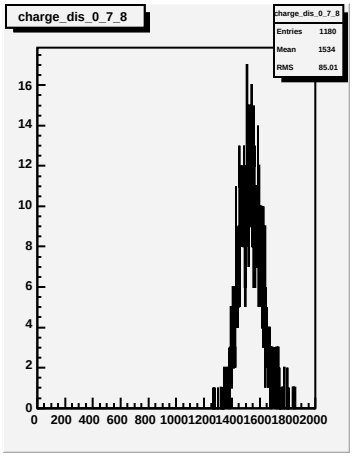
charge_dis_0_7_7
Entries 1180
Mean 532.6
RMS 61.58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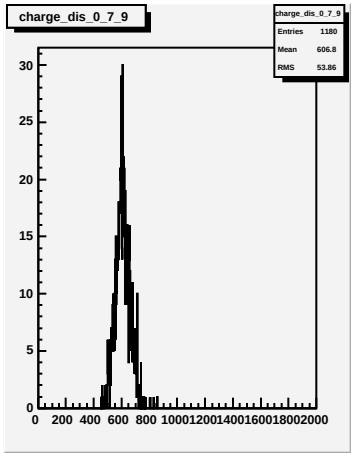
Entries 1180
Mean 1534
RMS 85.01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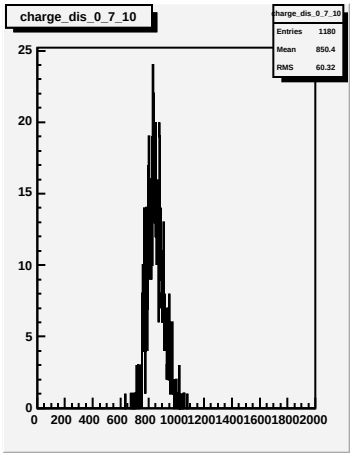
Entries 1180
Mean 606.8
RMS 53.86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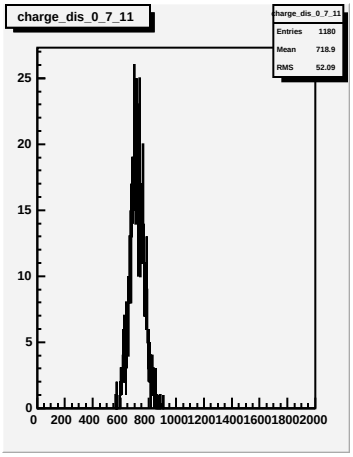
Entries 1180
Mean 850.4
RMS 60.32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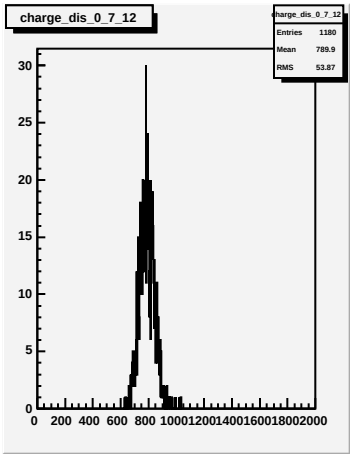
Entries 1180
Mean 718.9
RMS 52.09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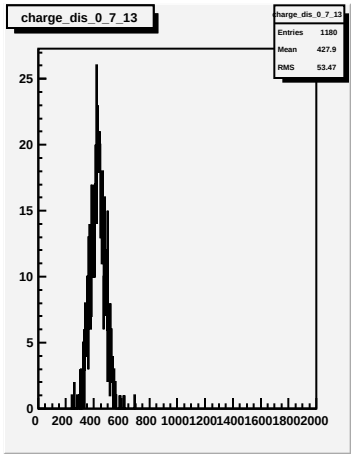
Mean 789.9
RMS 53.87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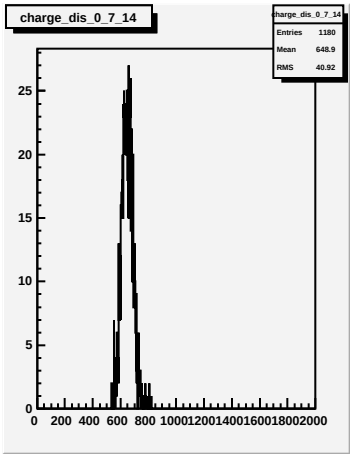
Entries 1180
Mean 427.9
RMS 53.47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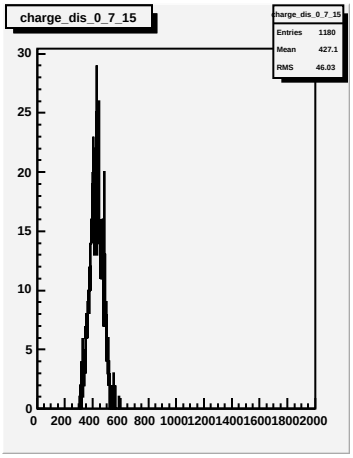
Mean 648.9
RMS 40.92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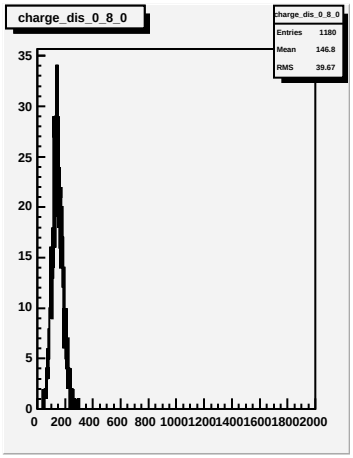
Entries 1180
Mean 427.1
RMS 46.03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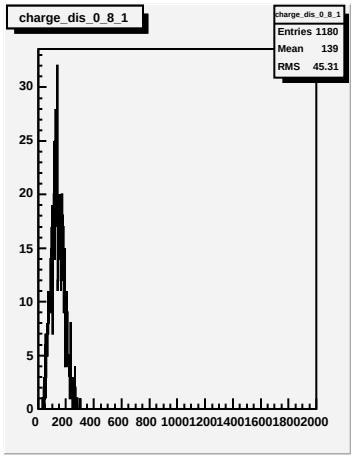
Mean 146.8
RMS 39.67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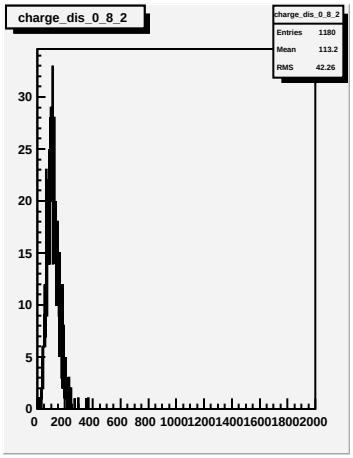
Entries 1180
Mean 139
RMS 45.31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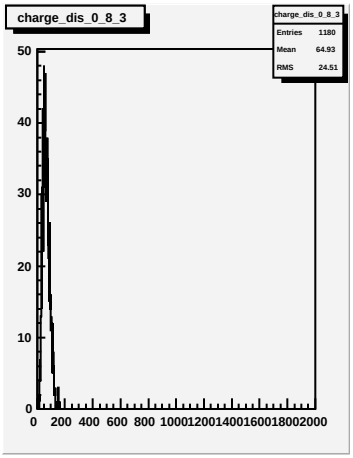
Entries 1180
Mean 113.2
RMS 42.26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Entries 1180
Mean 64.93
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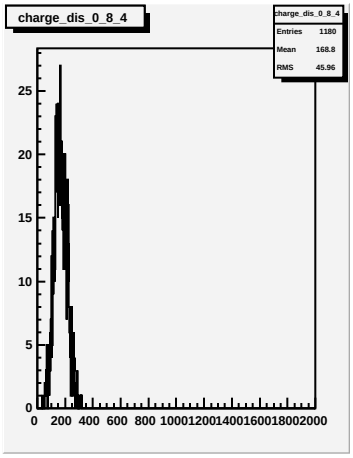
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Entries 1180
Mean 168.8
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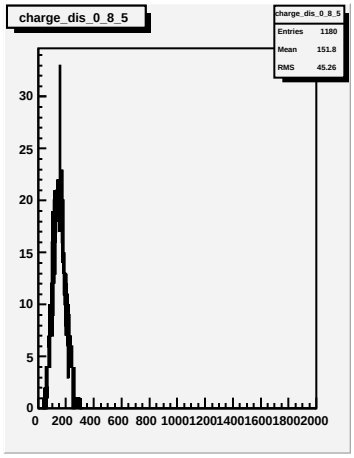
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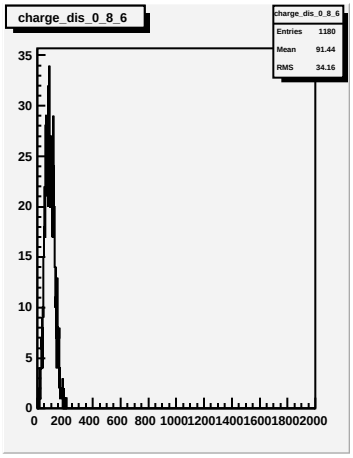
Entries 1180
Mean 151.8
RMS 45.26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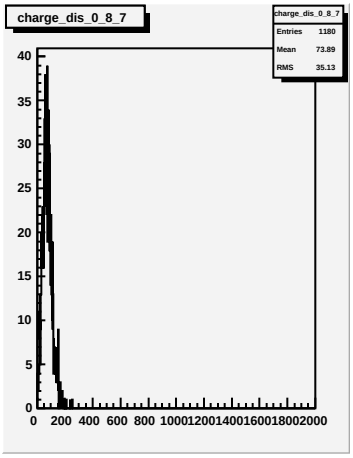
Mean 91.44
RMS 34.16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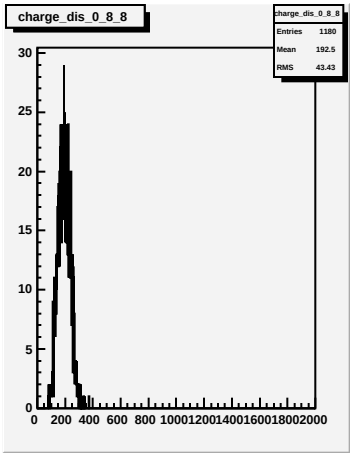
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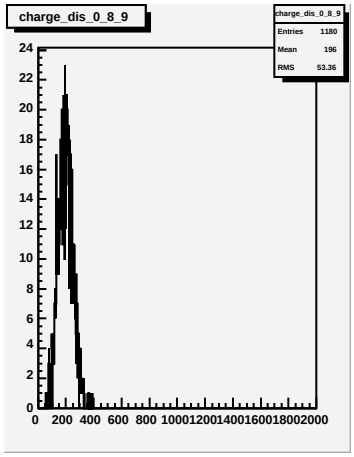
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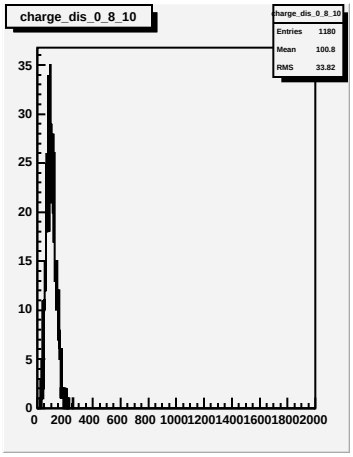
Entries 1180
Mean 196
RMS 53.36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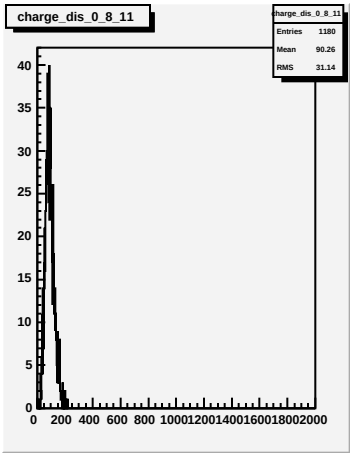
charge_dis_0_8_10
Entries 1180
Mean 100.8
RMS 33.82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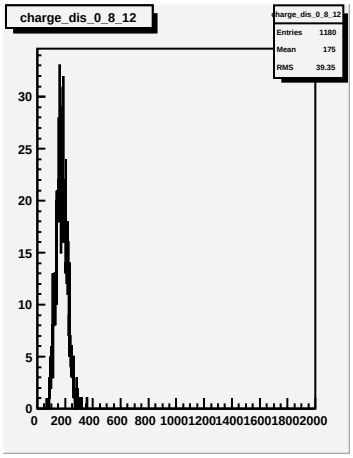
Entries 1180
Mean 90.26
RMS 31.14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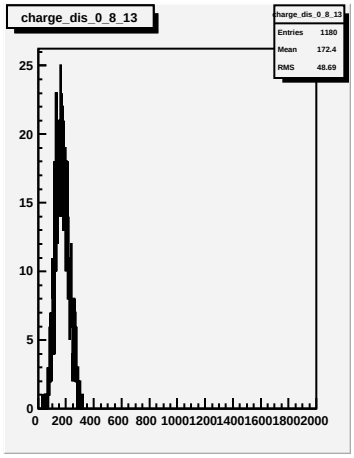
Entries 1180
Mean 175
RMS 39.35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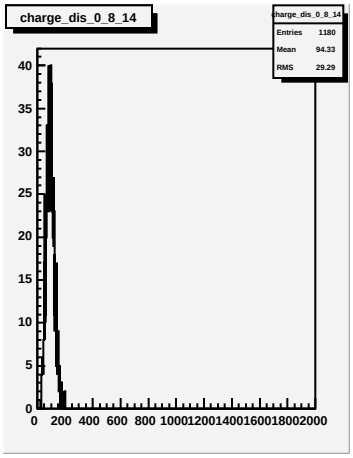
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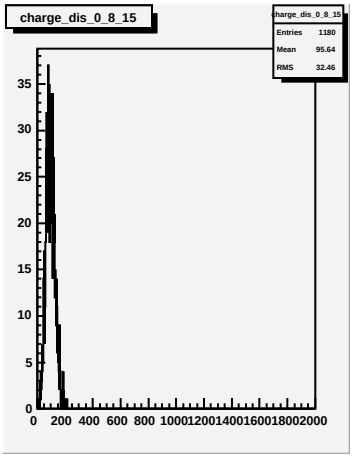
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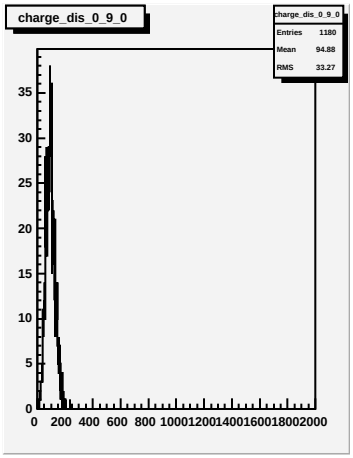
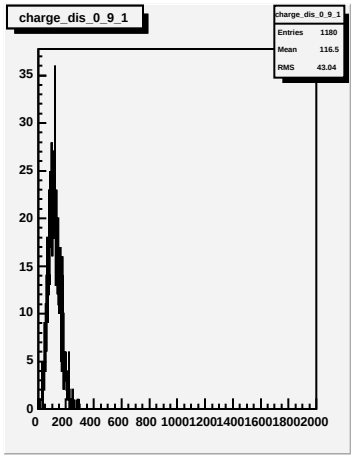
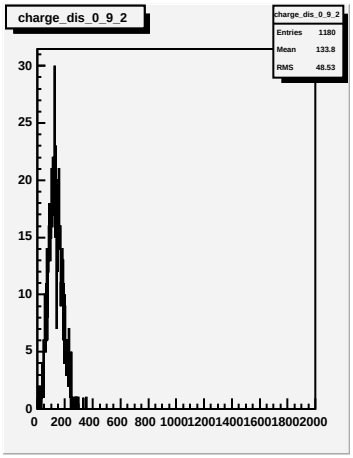
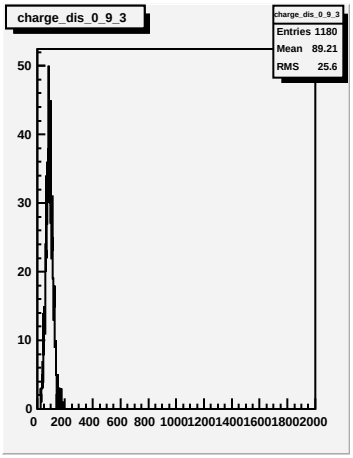
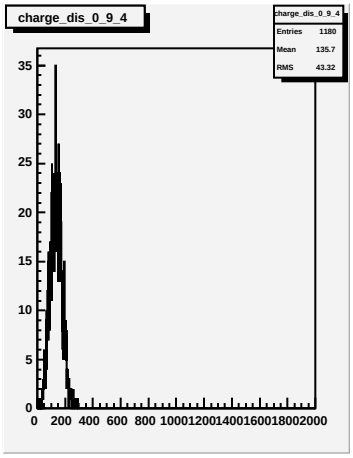
charge_dis_0_8_15
Entries 1180
Mean 95.64
RMS 32.46


charge_dis_0_9_0
charge_dis_0_9_0
Entries 1180
Mean 94.88
RMS 33.27


charge_dis_0_9_1
charge_dis_0_9_1
Entries 1180
Mean 116.5
RMS 43.04


charge_dis_0_9_2
charge_dis_0_9_2
Entries 1180
Mean 133.8
RMS 48.53


charge_dis_0_9_3
charge_dis_0_9_3
Entries 1180
Mean 89.21
RMS 25.6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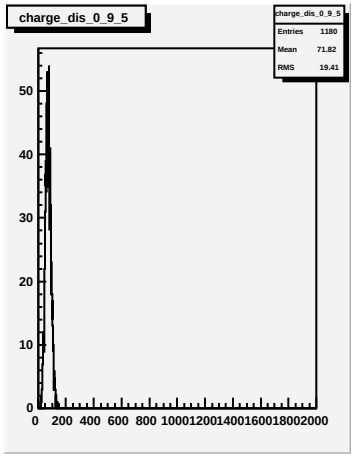
Entries 1180
Mean 135.7
RMS 43.32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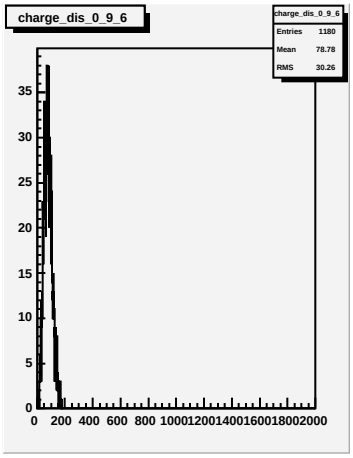
Entries 1180
Mean 71.82
RMS 19.41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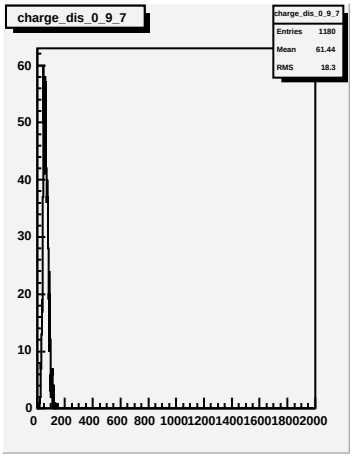
Entries 1180
Mean 78.78
RMS 30.26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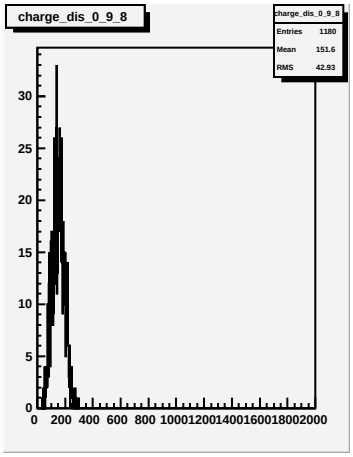
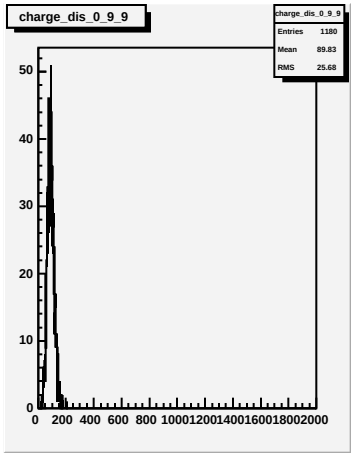
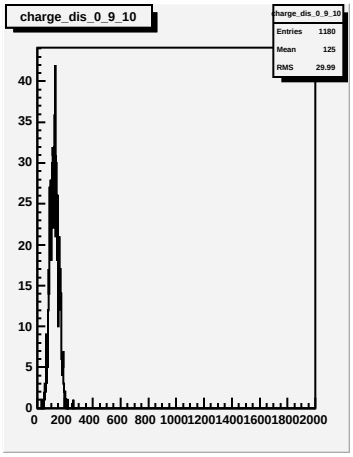
Entries 1180
Mean 61.44
RMS 18.3


charge_dis_0_9_8
charge_dis_0_9_8
Entries 1180
Mean 151.6
RMS 42.93


charge_dis_0_9_9
charge_dis_0_9_9
Entries 1180
Mean 89.83
RMS 25.68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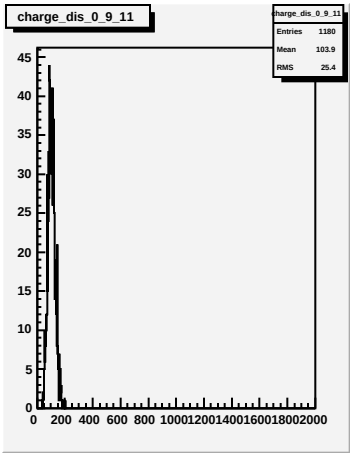
Entries 1180
Mean 125
RMS 29.99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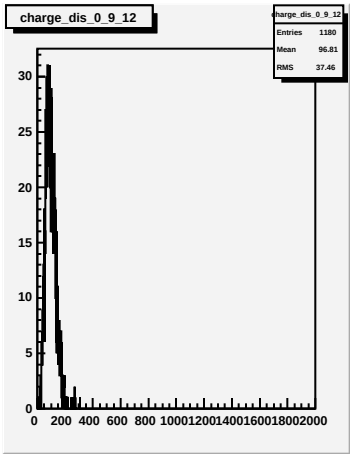
charge_dis_0_9_11
Entries 1180
Mean 103.9
RMS 25.4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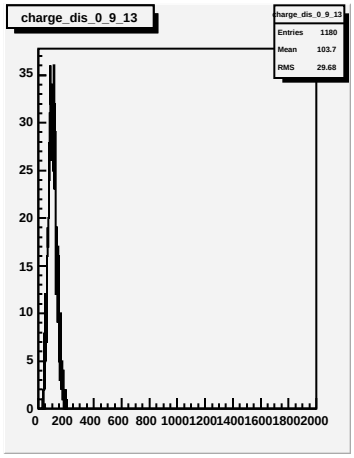
charge_dis_0_9_12
Entries 1180
Mean 96.81
RMS 37.46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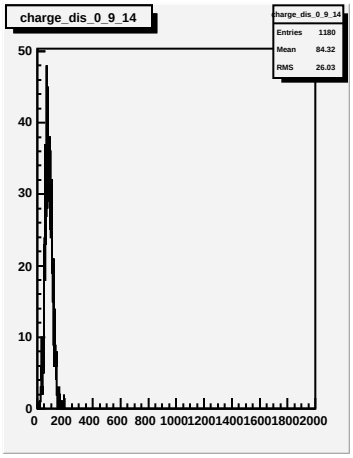
charge_dis_0_9_13
Entries 1180
Mean 103.7
RMS 29.68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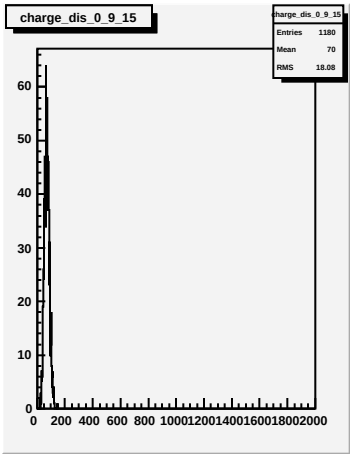
charge_dis_0_9_14
Entries 1180
Mean 84.32
RMS 26.03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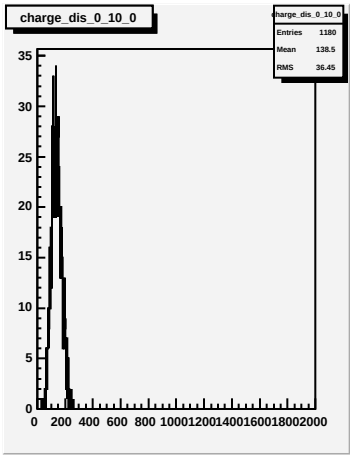
charge_dis_0_9_15
Entries 1180
Mean 70
RMS 18.08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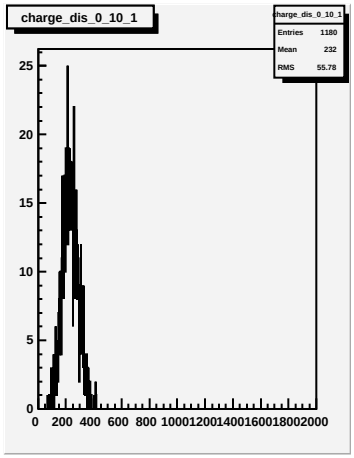
charge_dis_0_10_0
Entries 1180
Mean 138.5
RMS 36.45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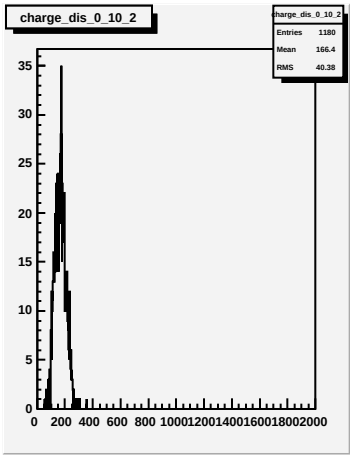
charge_dis_0_10_1
Entries 1180
Mean 232
RMS 55.78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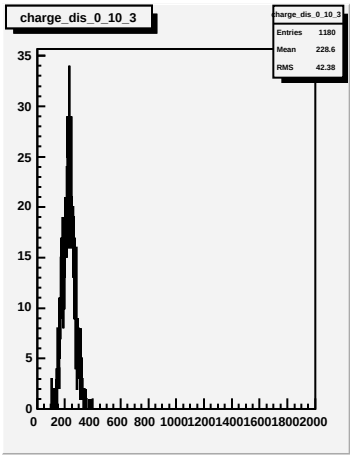
Entries 1180
Mean 166.4
RMS 40.38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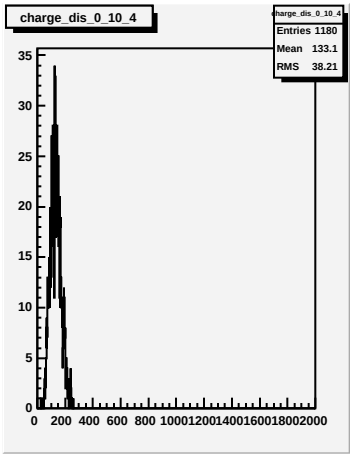
charge_dis_0_10_3
Entries 1180
Mean 228.6
RMS 42.38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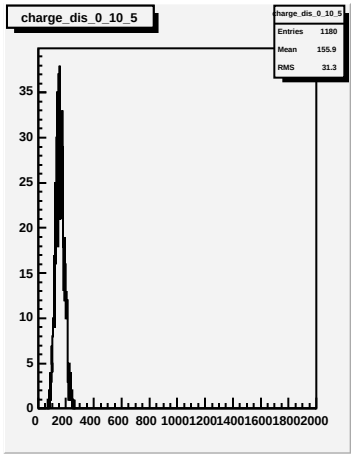
charge_dis_0_10_4
Entries 1180
Mean 133.1
RMS 38.21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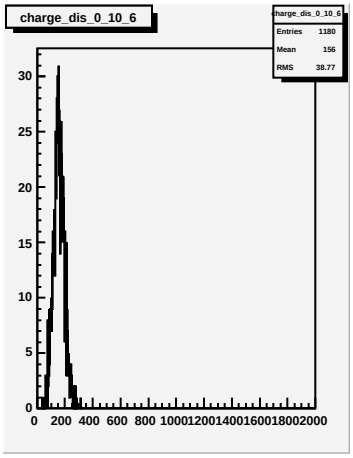
charge_dis_0_10_5
Entries 1180
Mean 155.9
RMS 31.3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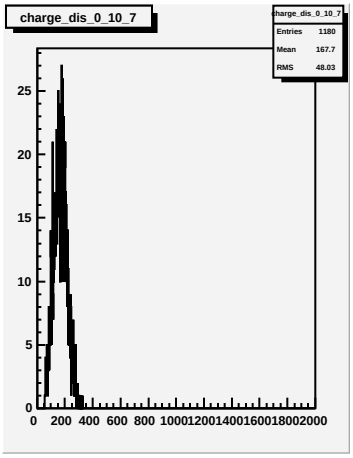
charge_dis_0_10_6
Entries 1180
Mean 156
RMS 38.77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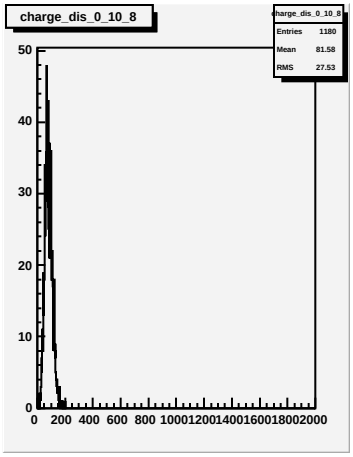
charge_dis_0_10_7
Entries 1180
Mean 167.7
RMS 48.03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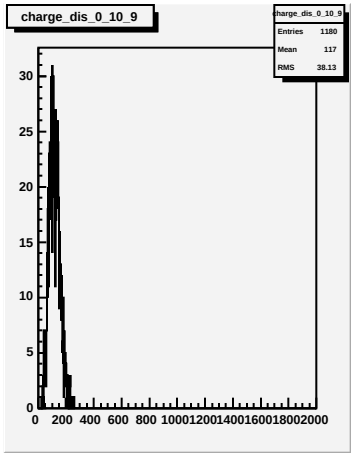
charge_dis_0_10_8
Entries 1180
Mean 81.58
RMS 27.53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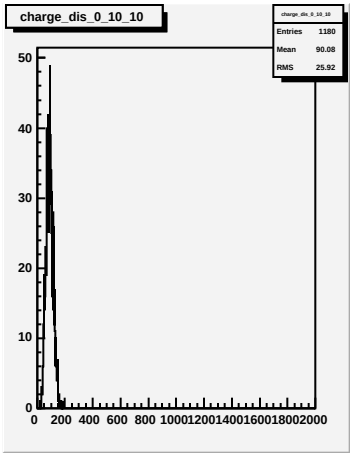
Entries 1180
Mean 117
RMS 38.13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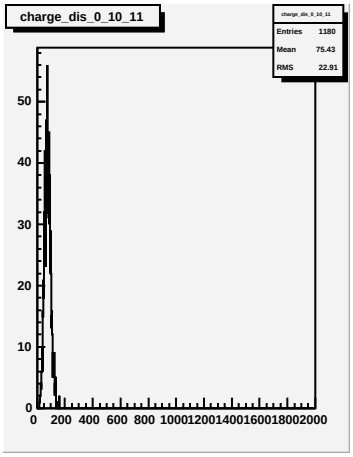
charge_dis_0_10_10
Entries 1180
Mean 90.08
RMS 25.92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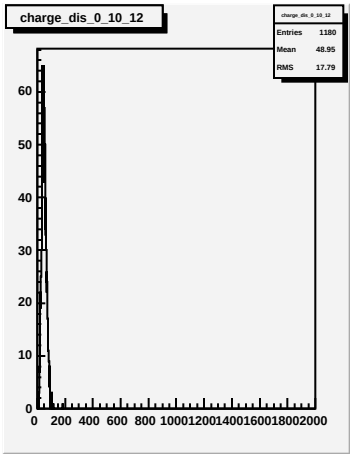
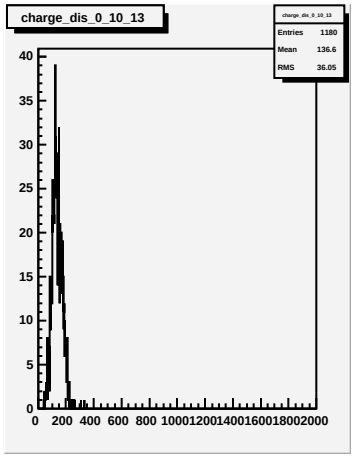
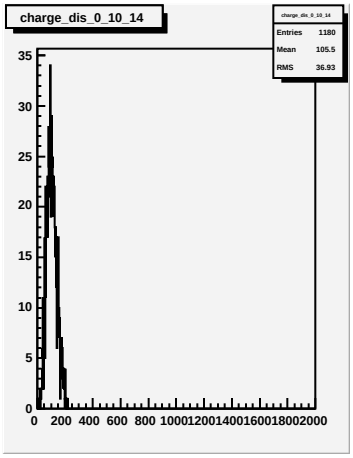
Entries 1180
Mean 75.43
RMS 22.91


charge_dis_0_10_12
charge_dis_0_10_12
Entries 1180
Mean 48.95
RMS 17.79


charge_dis_0_10_13
charge_dis_0_10_13
Entries 1180
Mean 136.6
RMS 36.05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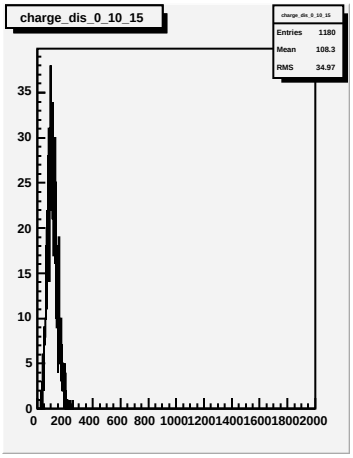
Entries 1180
Mean 105.5
RMS 36.93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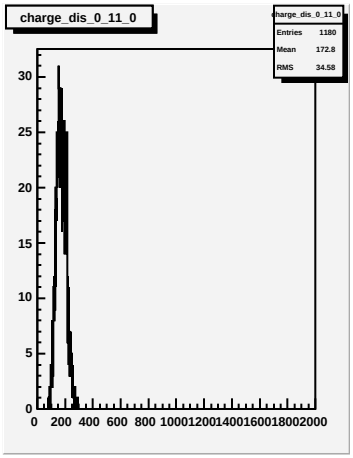
charge_dis_0_10_15
Entries 1180
Mean 108.3
RMS 34.97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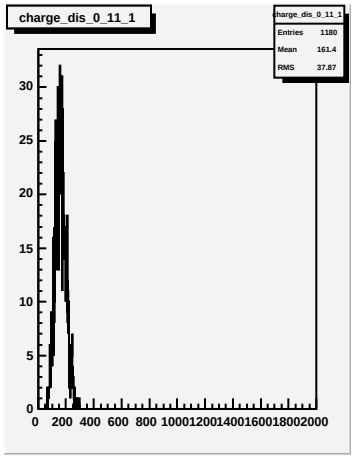
Entries 1180
Mean 172.8
RMS 34.58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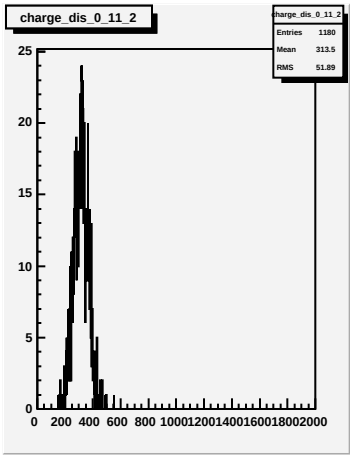
Entries 1180
Mean 161.4
RMS 37.87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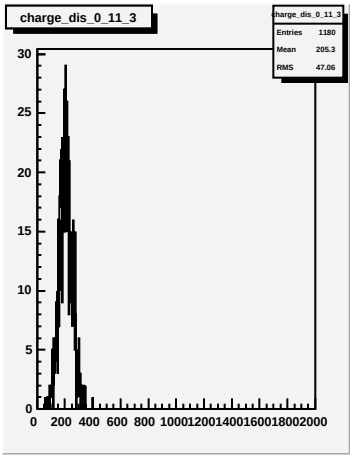
Mean 313.5
RMS 51.89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Entries 1180
Mean 205.3
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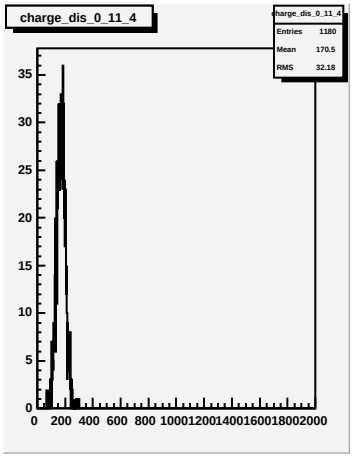
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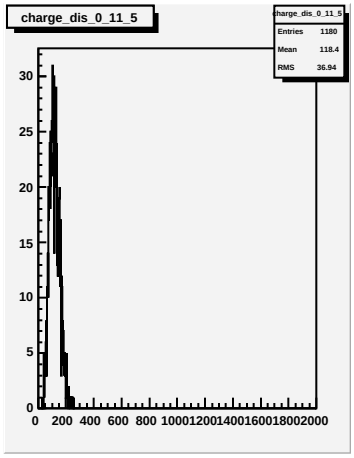
Mean 170.5
RMS 32.18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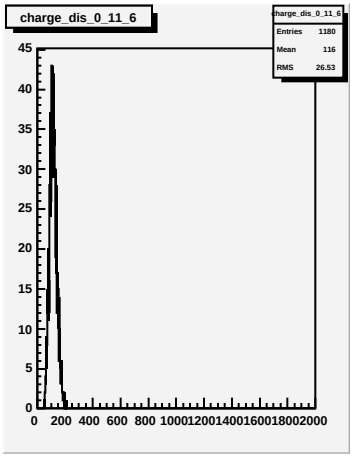
Mean 118.4
RMS 36.94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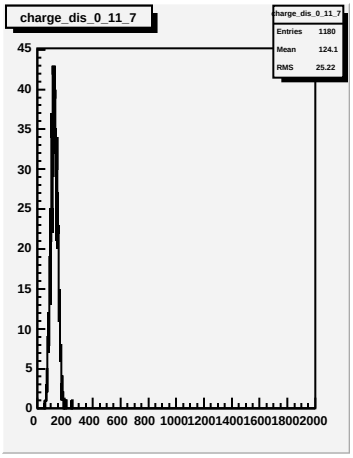
charge_dis_0_11_6
Entries 1180
Mean 116
RMS 26.53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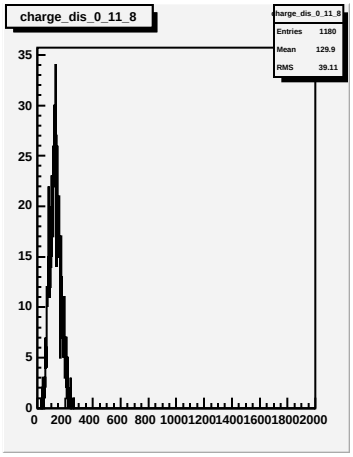
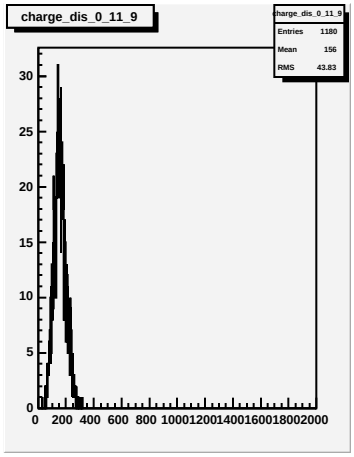
charge_dis_0_11_7
Entries 1180
Mean 124.1
RMS 25.22


charge_dis_0_11_8
charge_dis_0_11_8
Entries 1180
Mean 129.9
RMS 39.11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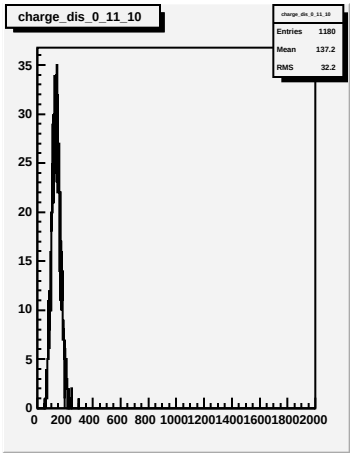
charge_dis_0_11_9
Entries 1180
Mean 156
RMS 43.83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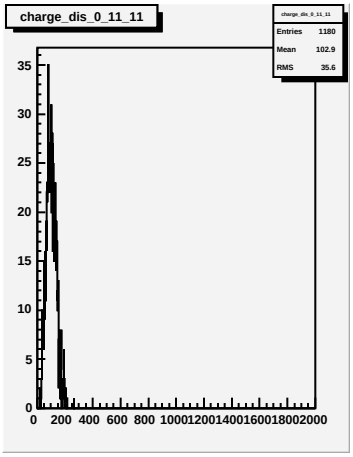
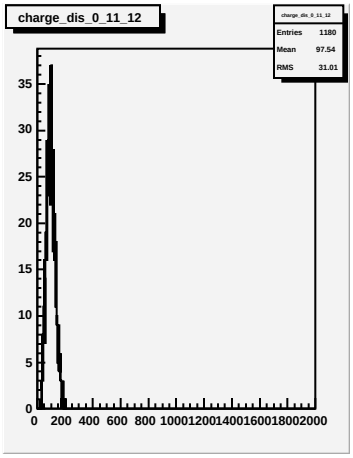
charge_dis_0_11_10
Entries 1180
Mean 137.2
RMS 32.2


charge_dis_0_11_11
charge_dis_0_11_11
Entries 1180
Mean 102.9
RMS 35.6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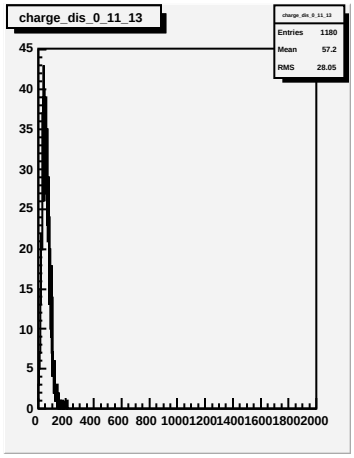
Entries 1180
Mean 97.54
RMS 31.01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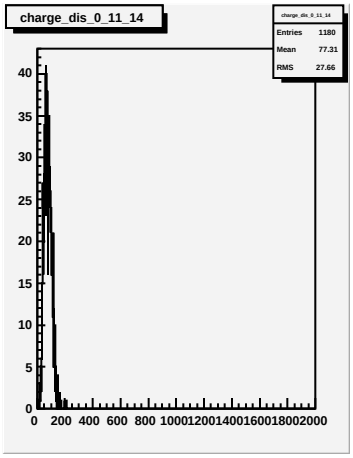
Entries 1180
Mean 57.2
RMS 28.05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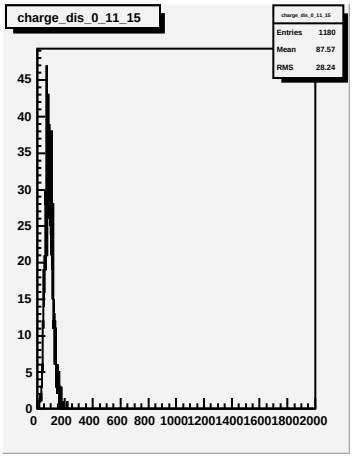
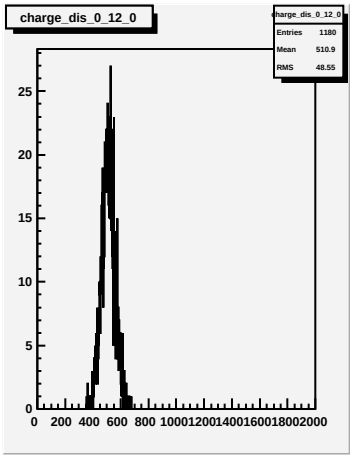
Entries 1180
Mean 77.31
RMS 27.66


charge_dis_0_11_15
charge_dis_0_11_15
Entries 1180
Mean 87.57
RMS 28.24


charge_dis_0_12_0
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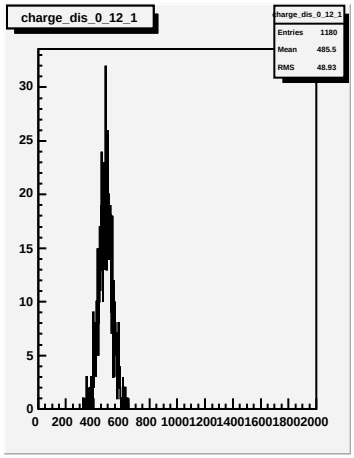
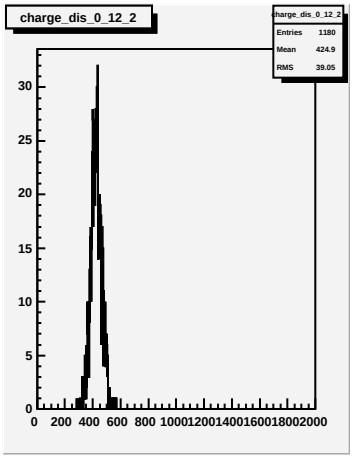
Mean 510.9
RMS 48.55


charge_dis_0_12_1
Entries 1180
Mean 485.5
RMS 48.93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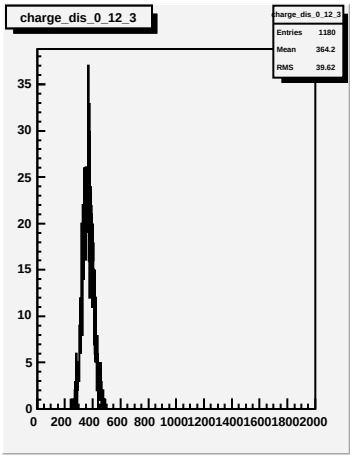
Entries 1180
Mean 424.9
RMS 39.05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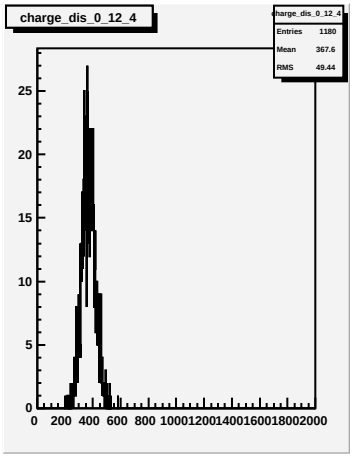
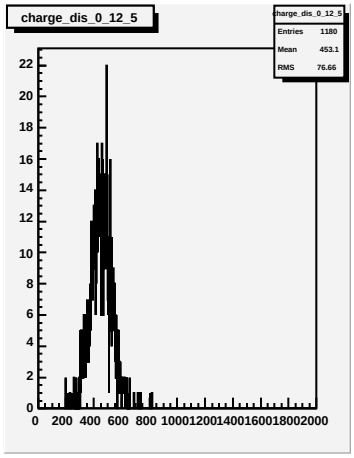
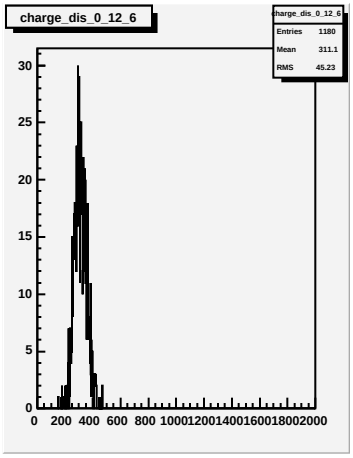
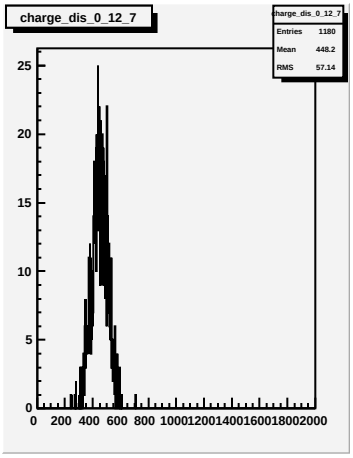
Entries 1180
Mean 364.2
RMS 39.62


charge_dis_0_12_4
Entries 1180
Mean 367.6
RMS 49.44


charge_dis_0_12_5
Entries 1180
Mean 453.1
RMS 76.66


charge_dis_0_12_6
Entries 1180
Mean 311.1
RMS 45.23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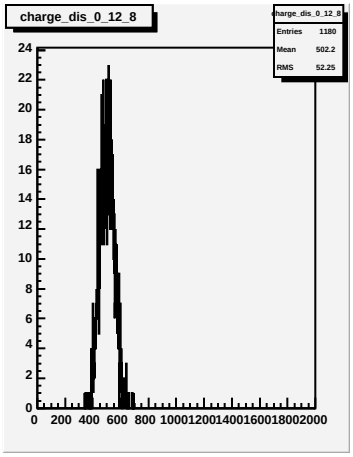
Entries 1180
Mean 448.2
RMS 57.14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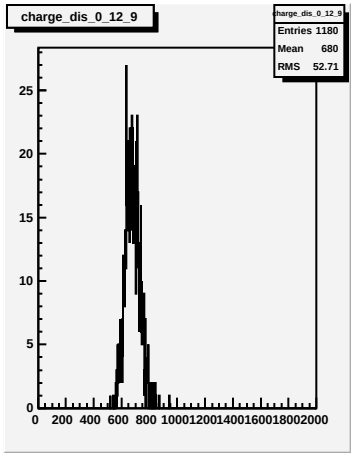
Entries 1180
Mean 502.2
RMS 52.25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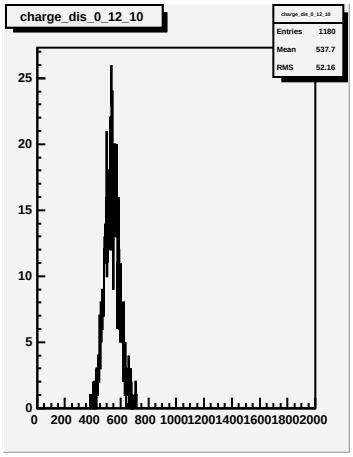
Entries 1180
Mean 680
RMS 52.71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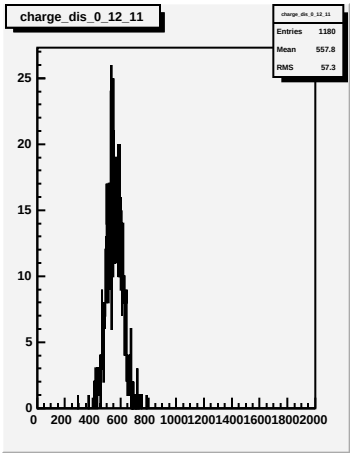
Entries 1180
Mean 537.7
RMS 52.16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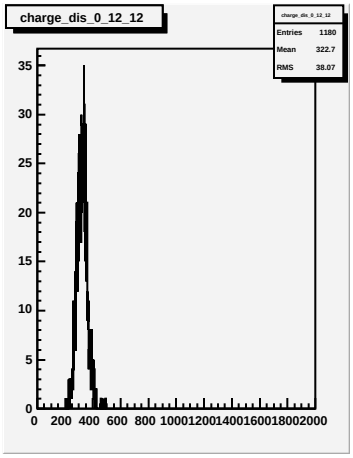
Entries 1180
Mean 557.8
RMS 57.3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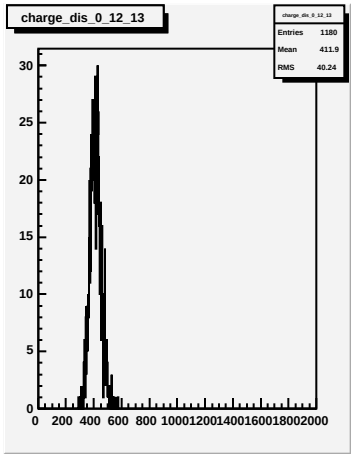
Entries 1180
Mean 322.7
RMS 38.07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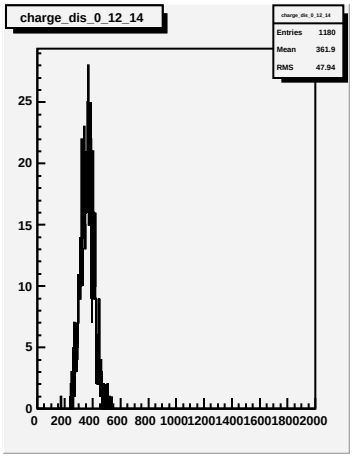
Entries 1180
Mean 411.9
RMS 40.24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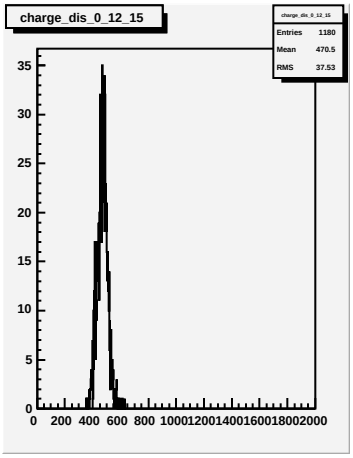
Entries 1180
Mean 361.9
RMS 47.94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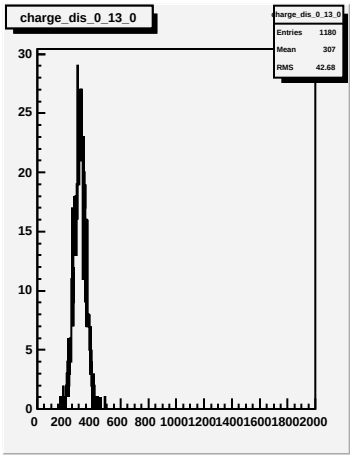
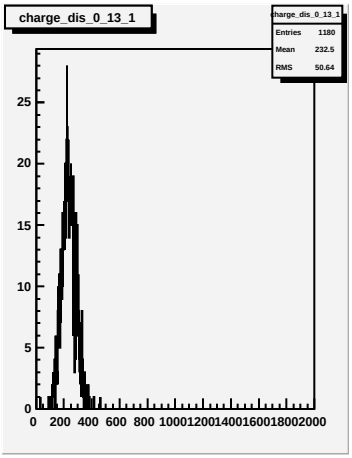
Entries 1180
Mean 470.5
RMS 37.53


charge_dis_0_13_0
charge_dis_0_13_0
Entries 1180
Mean 307
RMS 42.68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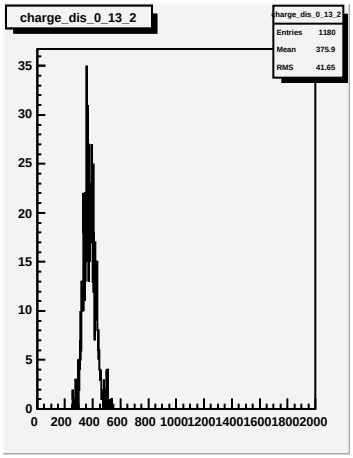
Mean 232.5
RMS 50.64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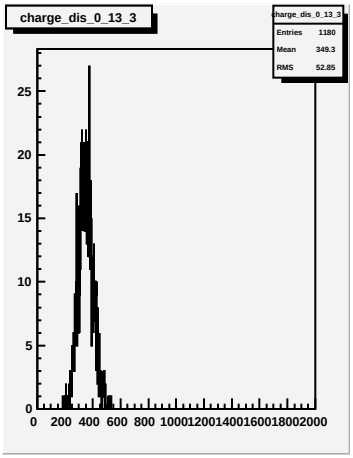
charge_dis_0_13_2
Entries 1180
Mean 375.9
RMS 41.65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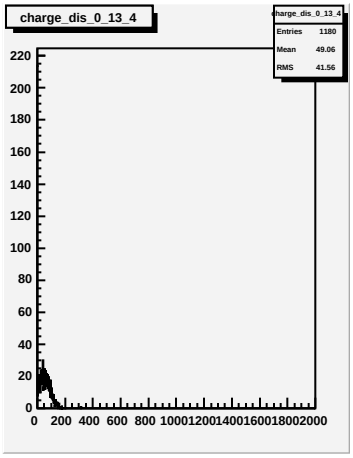
charge_dis_0_13_3
Entries 1180
Mean 349.3
RMS 52.85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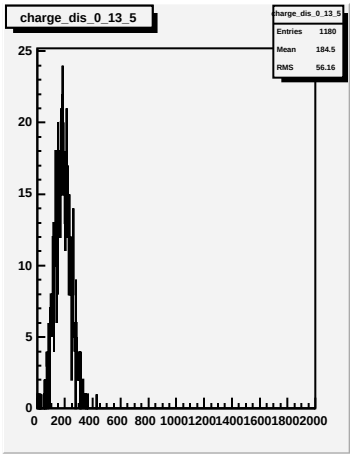
Entries 1180
Mean 49.06
RMS 41.56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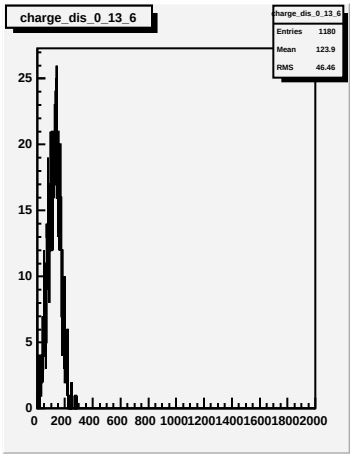
charge_dis_0_13_5
Entries 1180
Mean 184.5
RMS 56.16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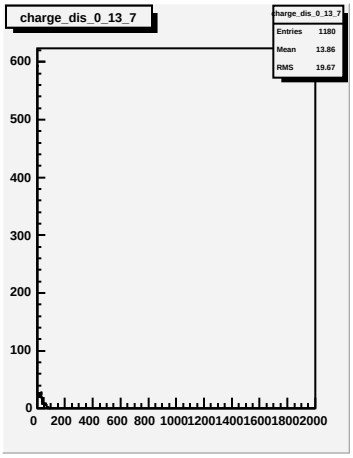
charge_dis_0_13_6
Entries 1180
Mean 123.9
RMS 46.46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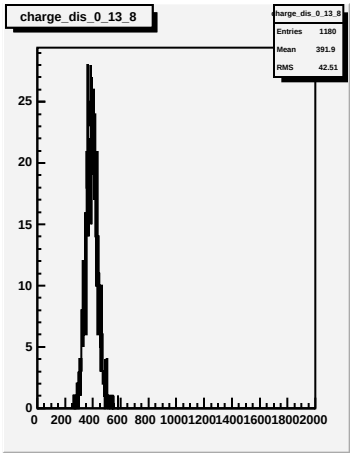
charge_dis_0_13_7
Entries 1180
Mean 13.86
RMS 19.67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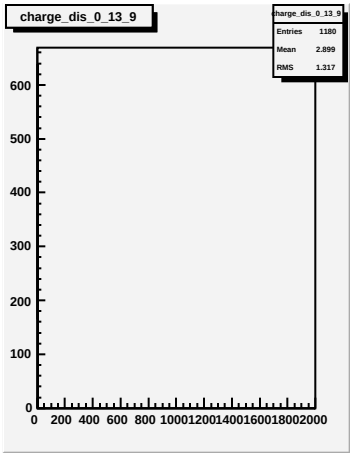
charge_dis_0_13_8
Entries 1180
Mean 391.9
RMS 42.51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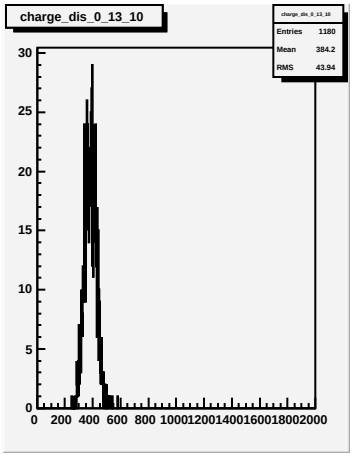
charge_dis_0_13_9
Entries 1180
Mean 2.899
RMS 1.317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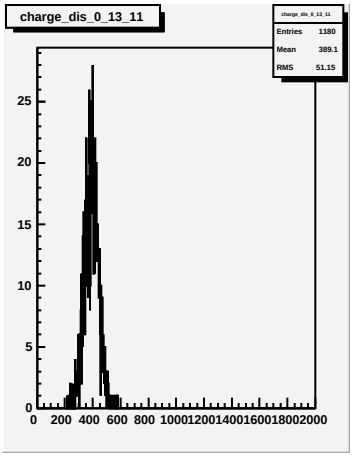
charge_dis_0_13_10
Entries 1180
Mean 384.2
RMS 43.94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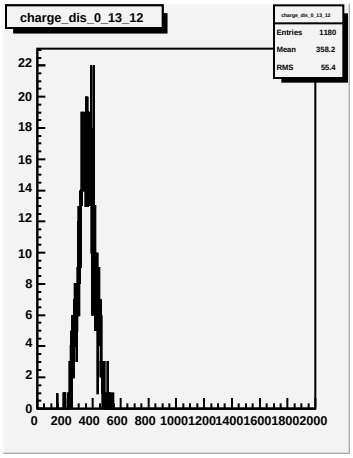
Entries 1180
Mean 389.1
RMS 51.15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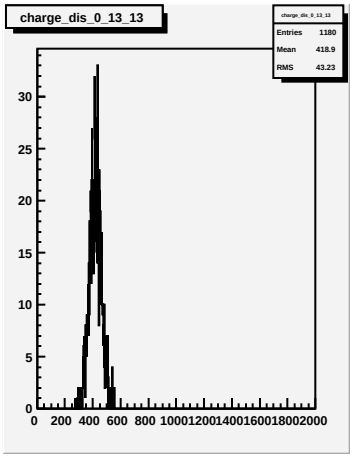
Entries 1180
Mean 358.2
RMS 55.4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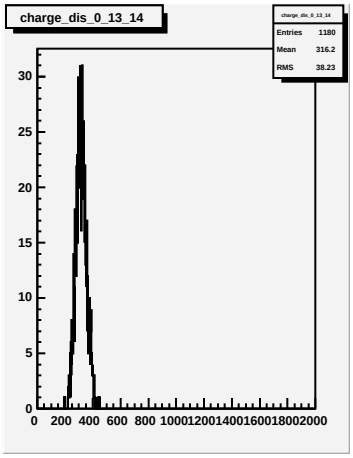
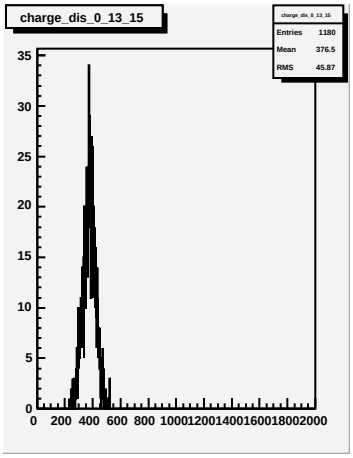
charge_dis_0_13_13
Entries 1180
Mean 418.9
RMS 43.23


charge_dis_0_13_14
charge_dis_0_13_14
Entries 1180
Mean 316.2
RMS 38.23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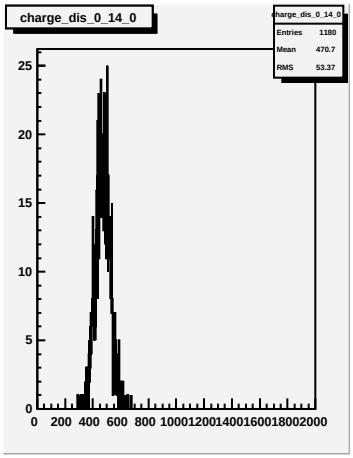
Entries 1180
Mean 376.5
RMS 45.87


charge_dis_0_14_0
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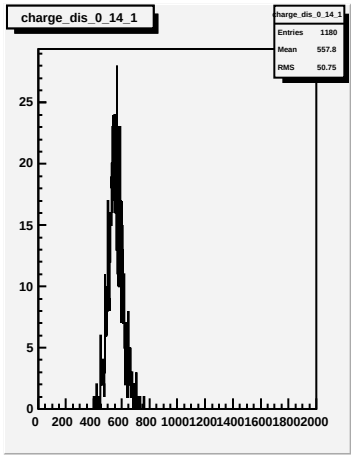
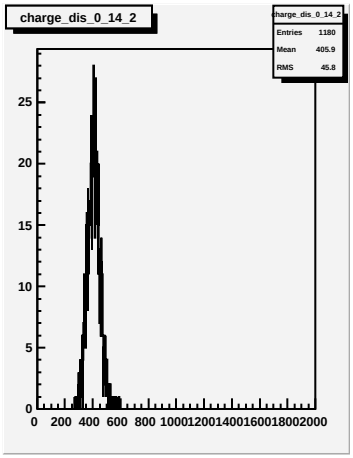
Entries 1180
Mean 470.7
RMS 53.37


charge_dis_0_14_1
charge_dis_0_14_1
Entries 1180
Mean 557.8
RMS 50.75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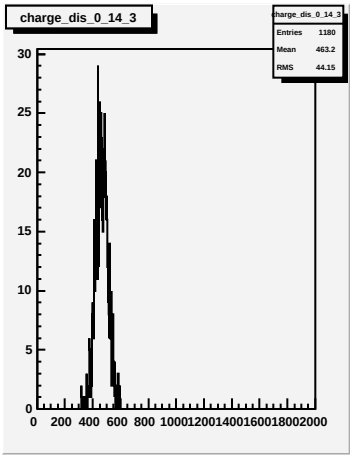
charge_dis_0_14_2
Entries 1180
Mean 405.9
RMS 45.8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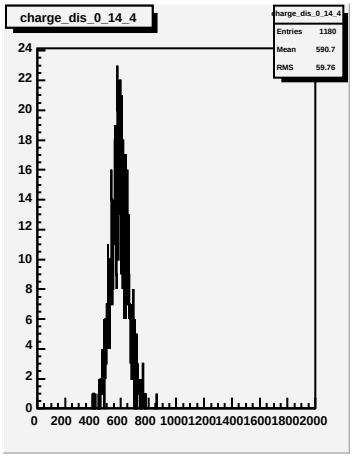
Entries 1180
Mean 463.2
RMS 44.15


charge_dis_0_14_4
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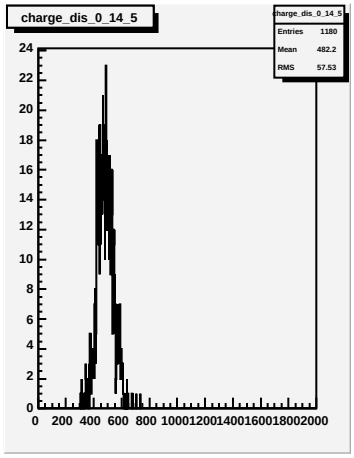
Entries 1180
Mean 590.7
RMS 59.76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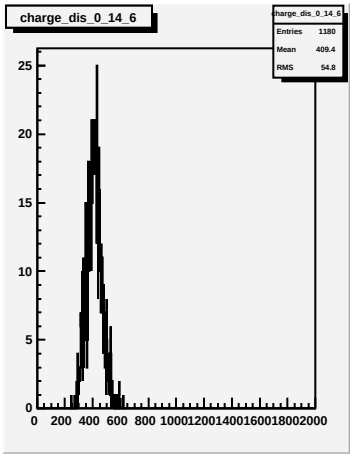
charge_dis_0_14_5
Entries 1180
Mean 482.2
RMS 57.53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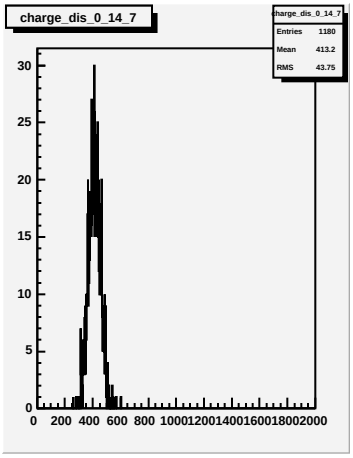
charge_dis_0_14_6
Entries 1180
Mean 409.4
RMS 54.8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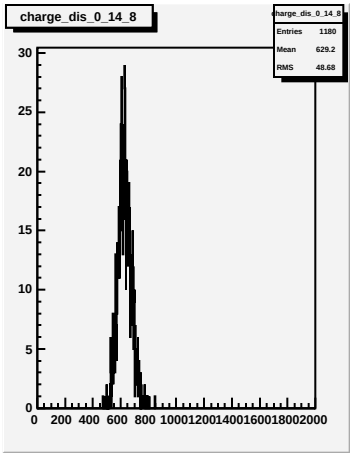
charge_dis_0_14_7
Entries 1180
Mean 413.2
RMS 43.75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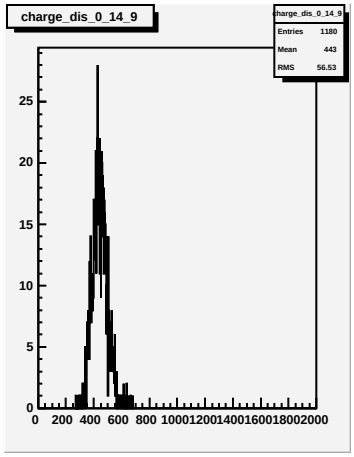
Entries 1180
Mean 629.2
RMS 48.68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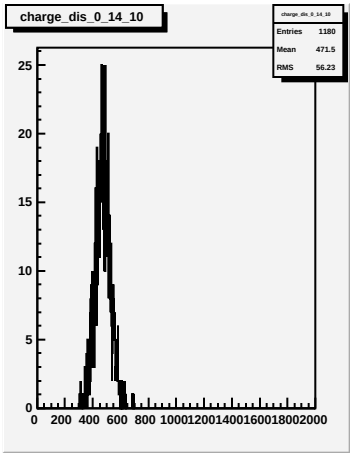
charge_dis_0_14_9
Entries 1180
Mean 443
RMS 56.53


charge_dis_0_14_10
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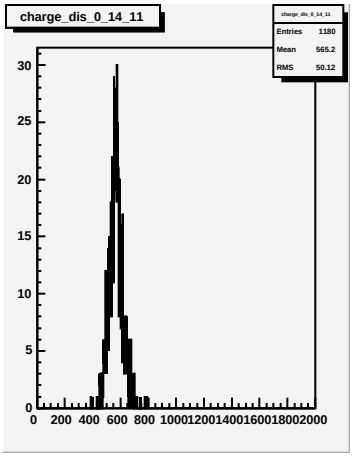
Entries 1180
Mean 471.5
RMS 56.23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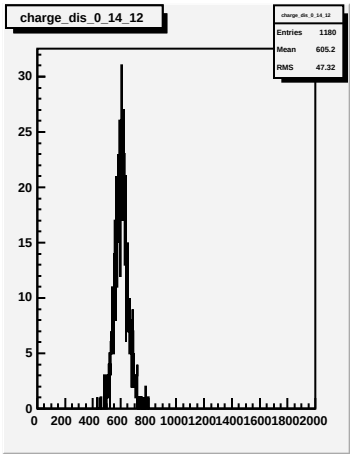
charge_dis_0_14_11
Entries 1180
Mean 565.2
RMS 50.12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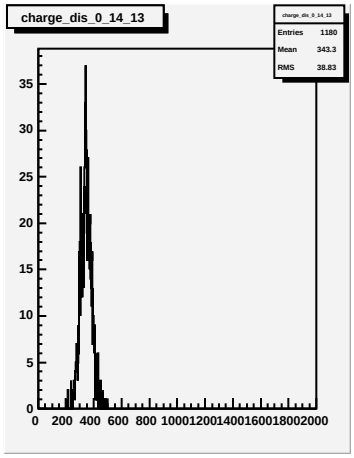
charge_dis_0_14_12
Entries 1180
Mean 605.2
RMS 47.32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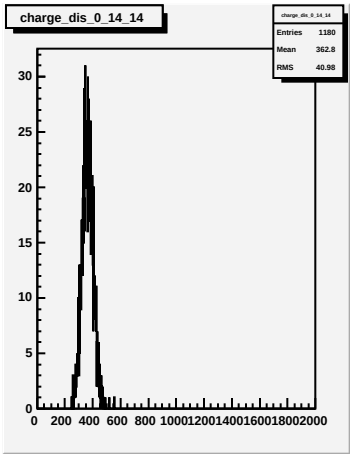
Entries 1180
Mean 343.3
RMS 38.83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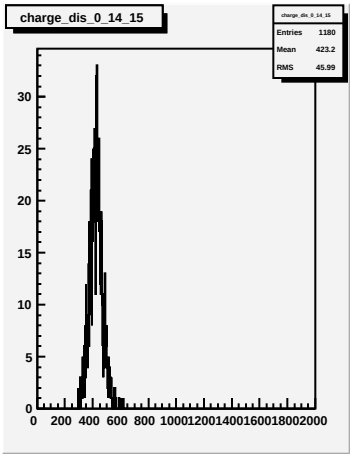
charge_dis_0_14_14
Entries 1180
Mean 362.8
RMS 40.98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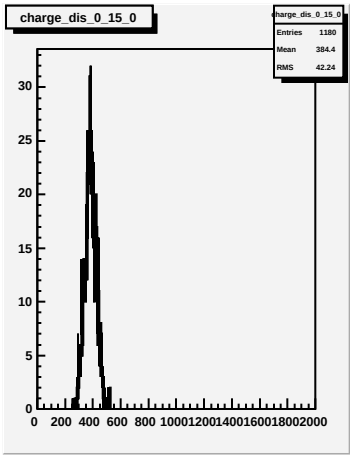
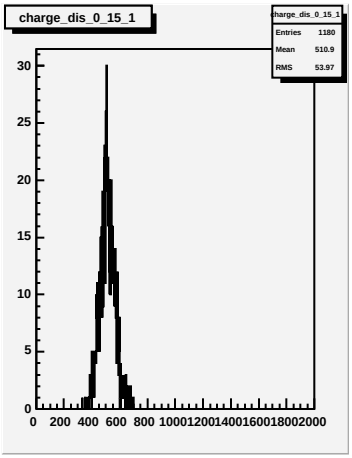
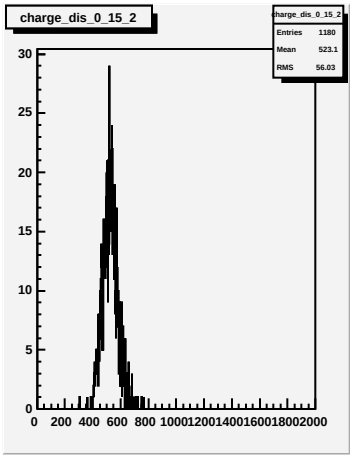
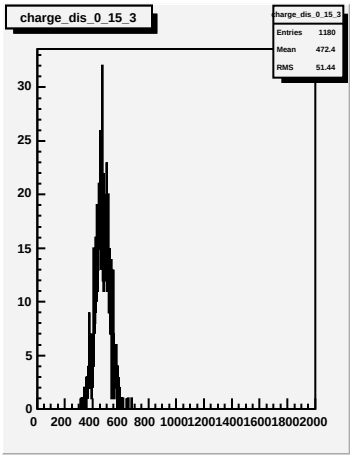
Entries 1180
Mean 423.2
RMS 45.99


charge_dis_0_15_0
Entries 1180
Mean 384.4
RMS 42.24


charge_dis_0_15_1
Entries 1180
Mean 510.9
RMS 53.97


charge_dis_0_15_2
Entries 1180
Mean 523.1
RMS 56.03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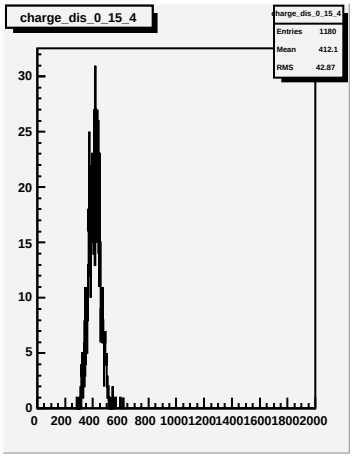
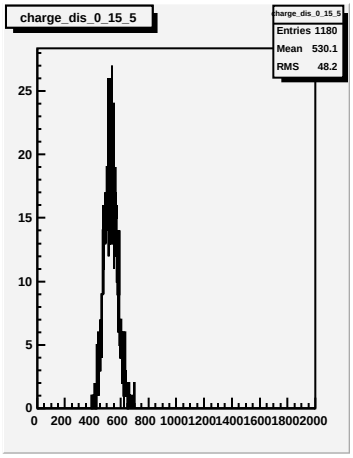
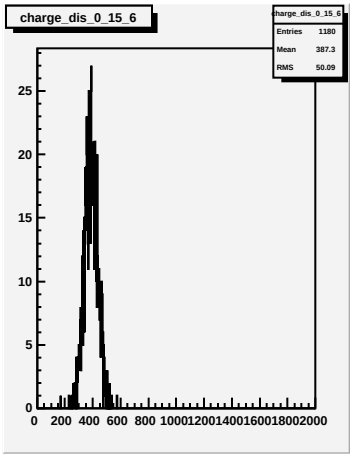
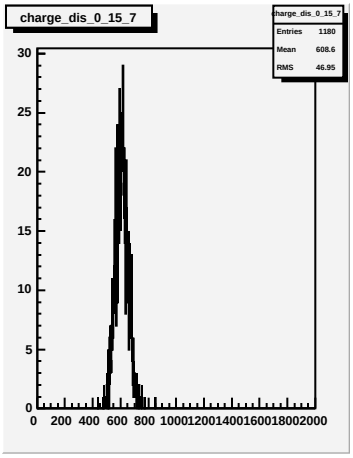
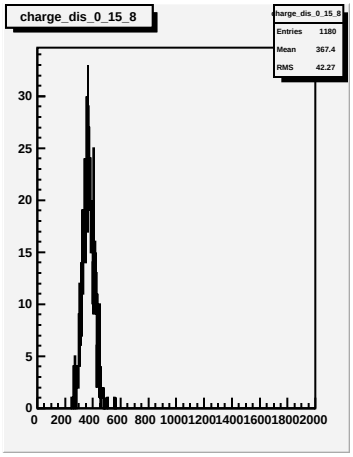
Mean 472.4
RMS 51.44


charge_dis_0_15_4
Entries 1180
Mean 412.1
RMS 42.87


charge_dis_0_15_5
Entries 1180
Mean 530.1
RMS 48.2


charge_dis_0_15_6
Entries 1180
Mean 387.3
RMS 50.09


charge_dis_0_15_7
Entries 1180
Mean 608.6
RMS 46.95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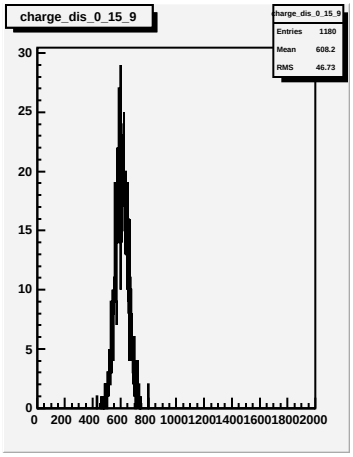
Entries 1180
Mean 367.4
RMS 42.27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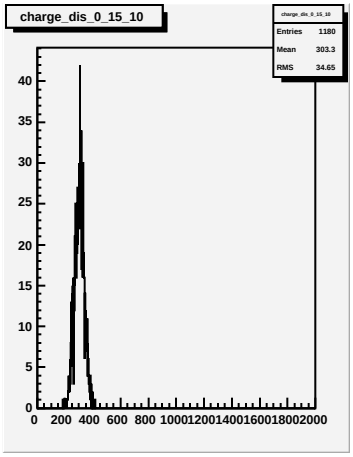
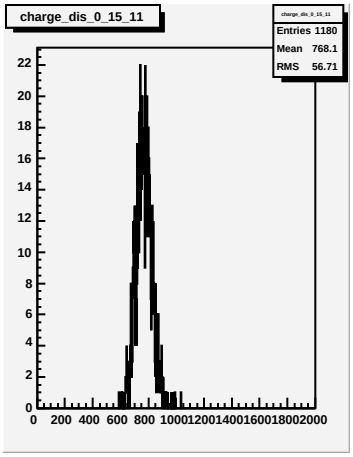
Entries 1180
Mean 608.2
RMS 46.73


charge_dis_0_15_10
Entries 1180
Mean 303.3
RMS 34.65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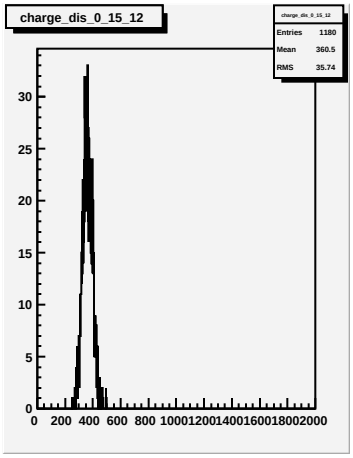
Entries 1180
Mean 768.1
RMS 56.71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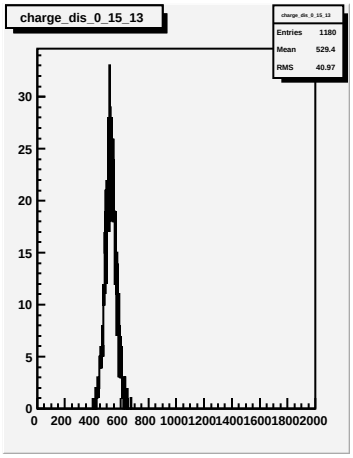
RMS 35.74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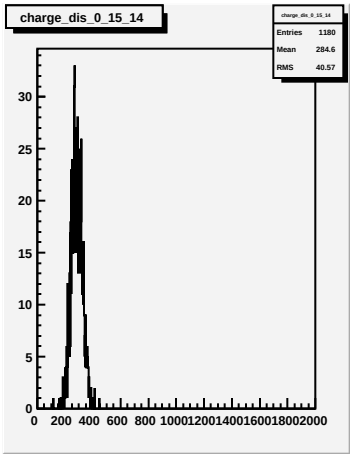
Entries 1180
Mean 529.4
RMS 40.97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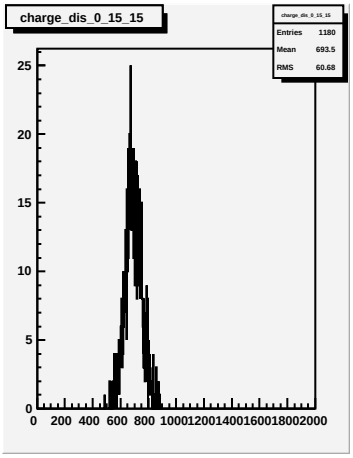
Entries 1180
Mean 284.6
RMS 40.57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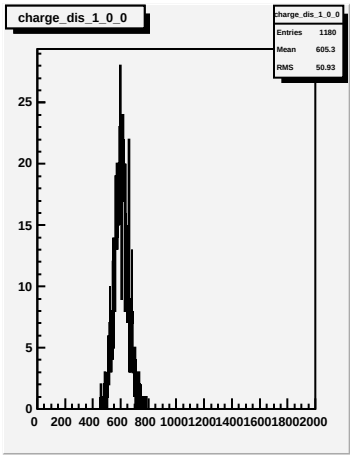
Entries 1180
Mean 693.5
RMS 60.68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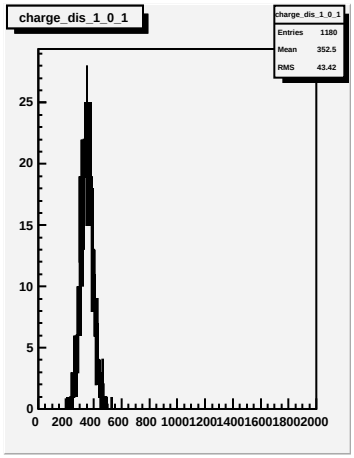
charge_dis_1_0_0
Entries 1180
Mean 605.3
RMS 50.93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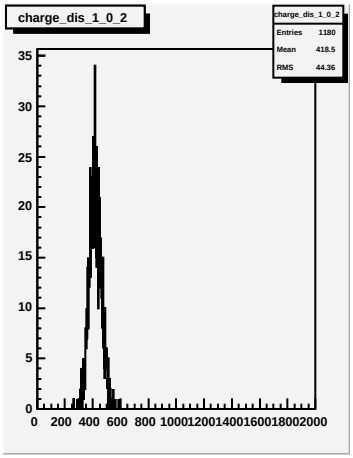
charge_dis_1_0_1
Entries 1180
Mean 352.5
RMS 43.42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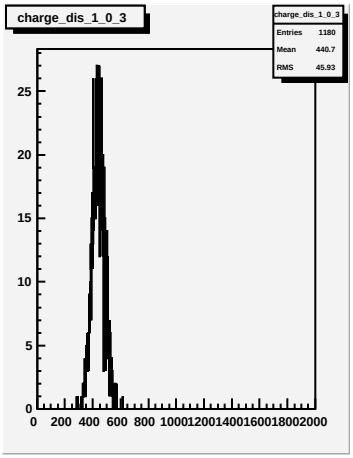
Entries 1180
Mean 418.5
RMS 44.36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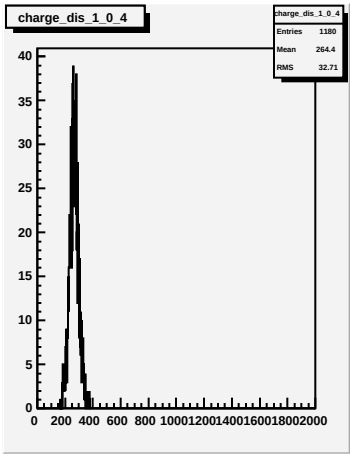
Entries 1180
Mean 440.7
RMS 45.93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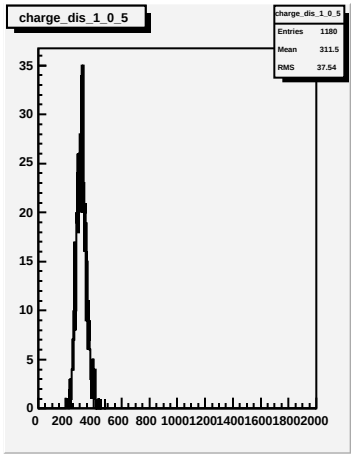
charge_dis_1_0_4
Entries 1180
Mean 264.4
RMS 32.71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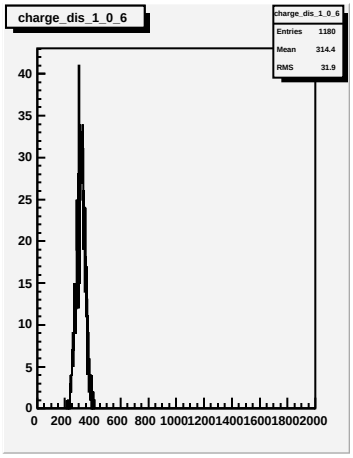
charge_dis_1_0_5
Entries 1180
Mean 311.5
RMS 37.54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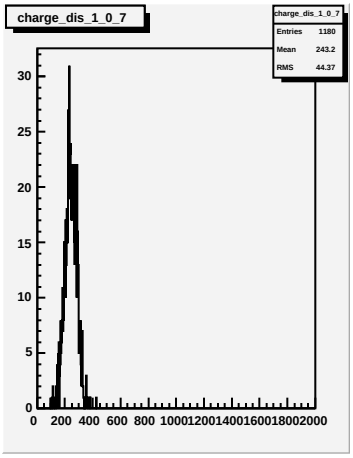
charge_dis_1_0_6
Entries 1180
Mean 314.4
RMS 31.9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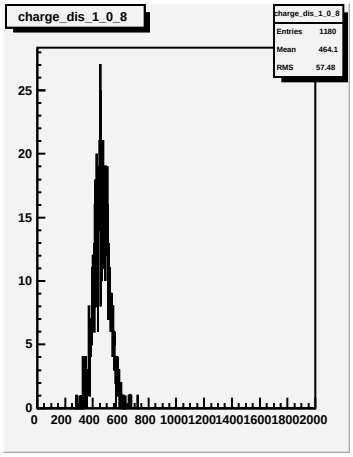
Entries 1180
Mean 243.2
RMS 44.37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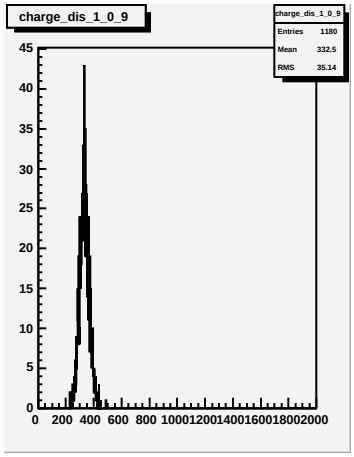
charge_dis_1_0_8
Entries 1180
Mean 464.1
RMS 57.48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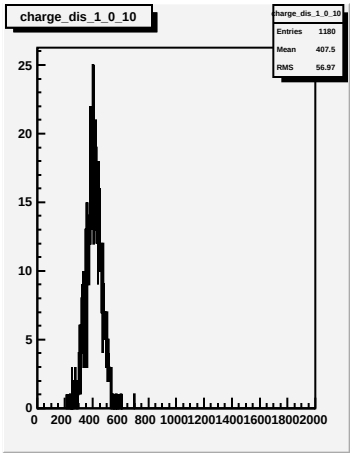
charge_dis_1_0_9
Entries 1180
Mean 332.5
RMS 35.14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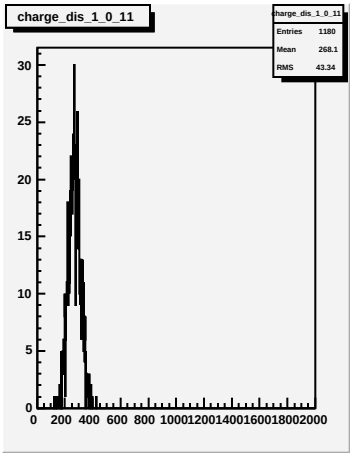
charge_dis_1_0_10
Entries 1180
Mean 407.5
RMS 56.97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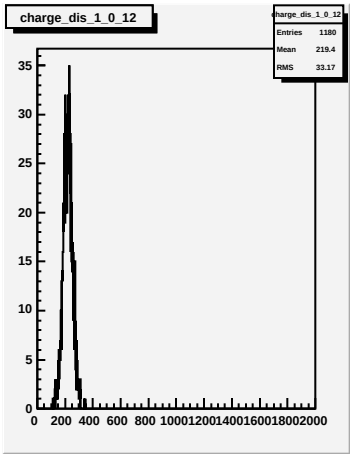
Entries 1180
Mean 268.1
RMS 43.34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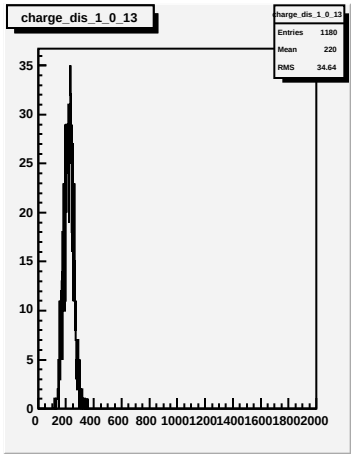
charge_dis_1_0_12
Entries 1180
Mean 219.4
RMS 33.17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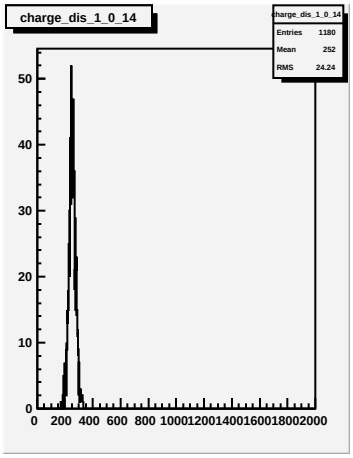
Entries 1180
Mean 220
RMS 34.64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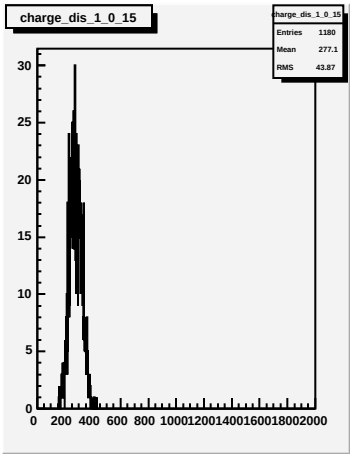
charge_dis_1_0_14
Entries 1180
Mean 252
RMS 24.24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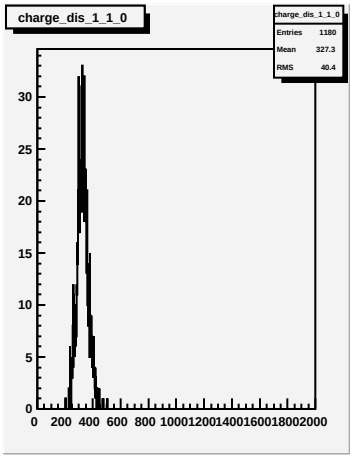
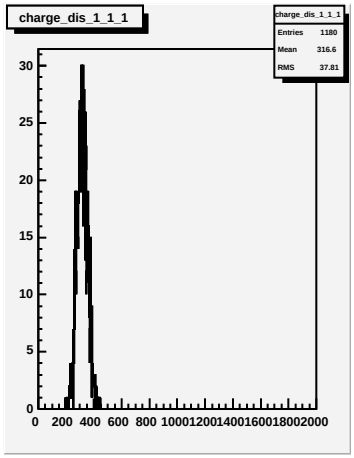
charge_dis_1_0_15
Entries 1180
Mean 277.1
RMS 43.87


charge_dis_1_1_0
charge_dis_1_1_0
Entries 1180
Mean 327.3
RMS 40.4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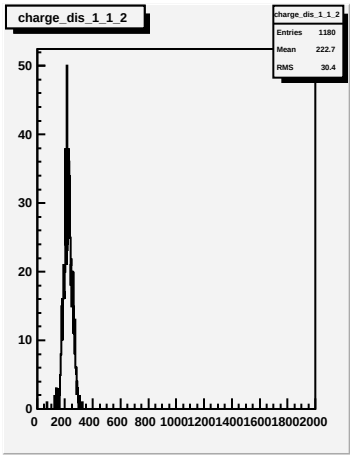
Mean 316.6
RMS 37.81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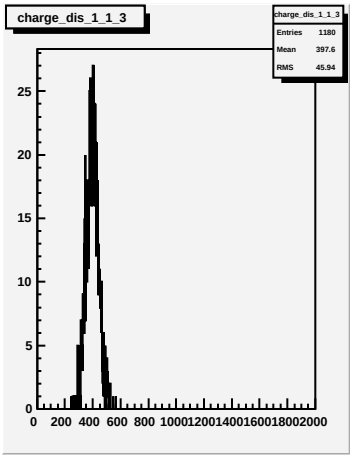
charge_dis_1_1_2
Entries 1180
Mean 222.7
RMS 30.4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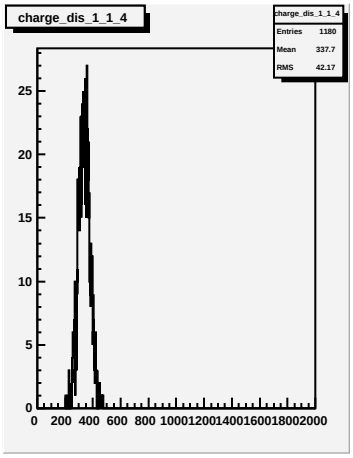
Entries 1180
Mean 397.6
RMS 45.94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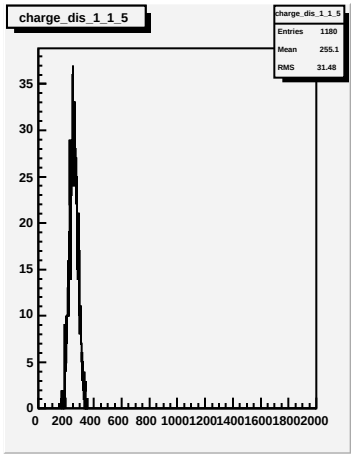
Entries 1180
Mean 337.7
RMS 42.17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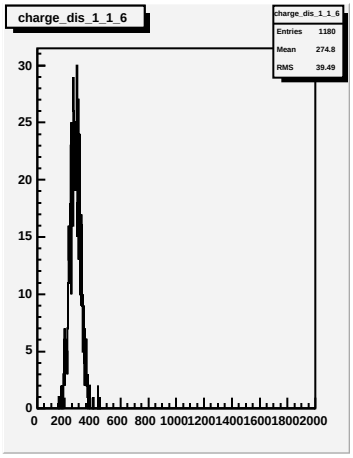
Entries 1180
Mean 255.1
RMS 31.48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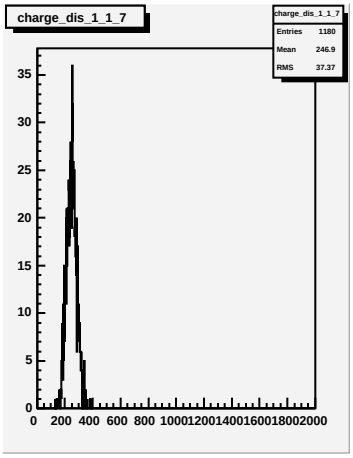
Entries 1180
Mean 274.8
RMS 39.49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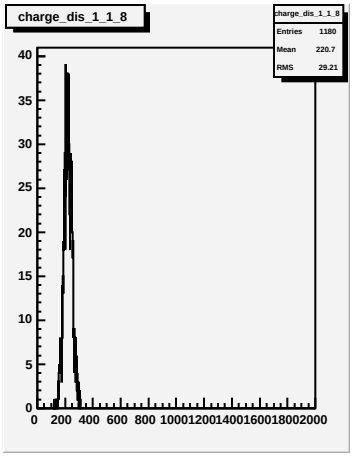
Mean 246.9
RMS 37.37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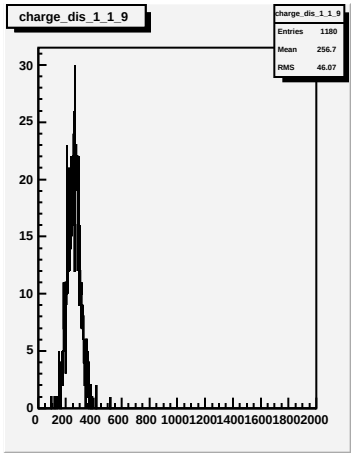
Entries 1180
Mean 220.7
RMS 29.21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Entries 1180
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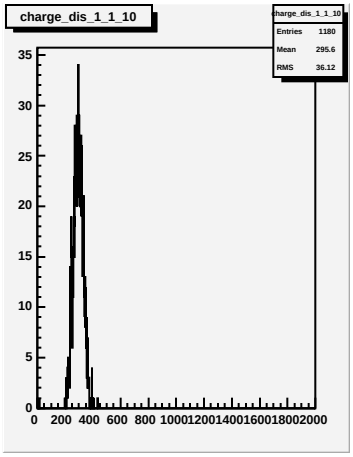
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Entries 1180
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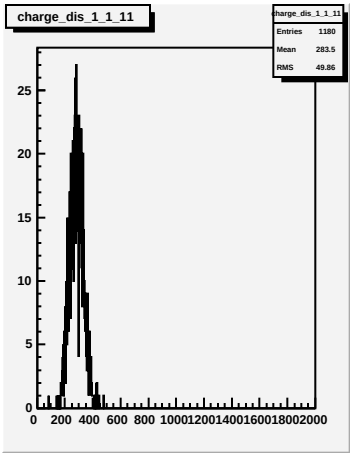
RMS 36.12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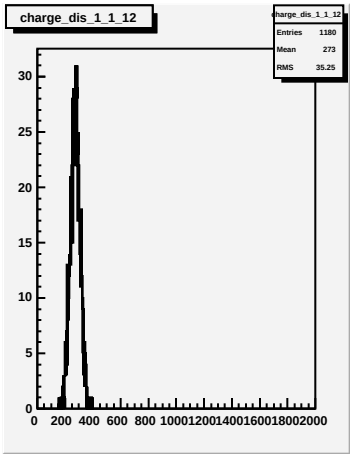
Entries 1180
Mean 283.5
RMS 49.86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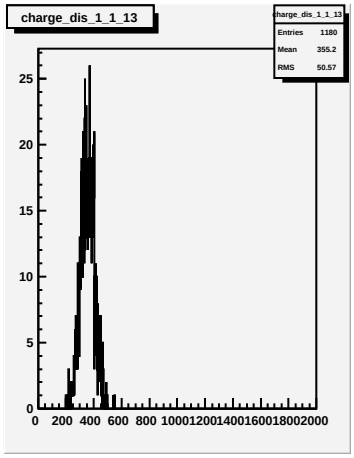
charge_dis_1_1_12
Entries 1180
Mean 273
RMS 35.25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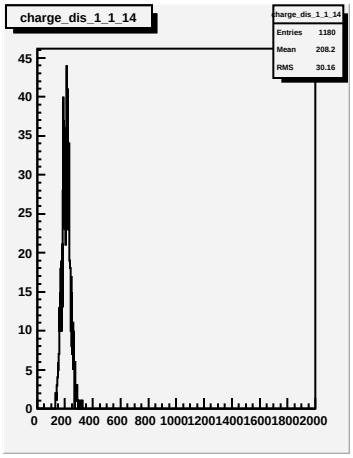
Entries 1180
Mean 355.2
RMS 50.57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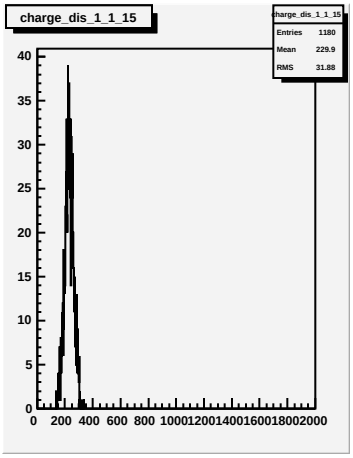
Entries 1180
Mean 208.2
RMS 30.16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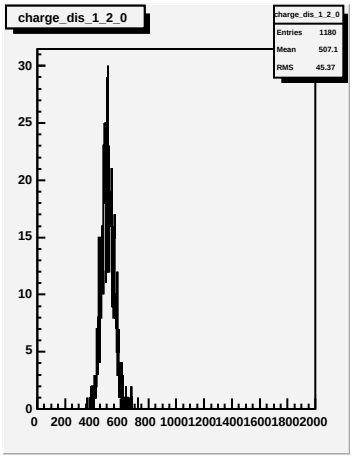
Entries 1180
Mean 229.9
RMS 31.88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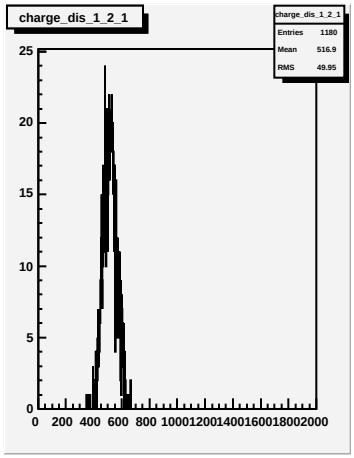
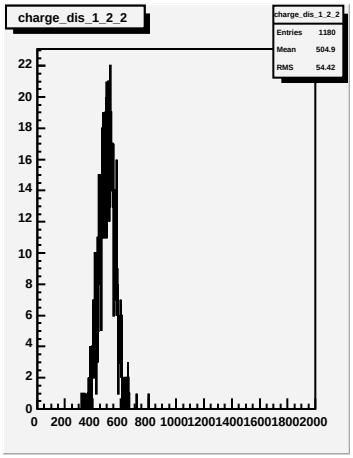
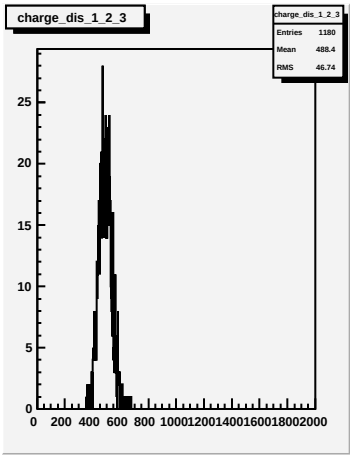
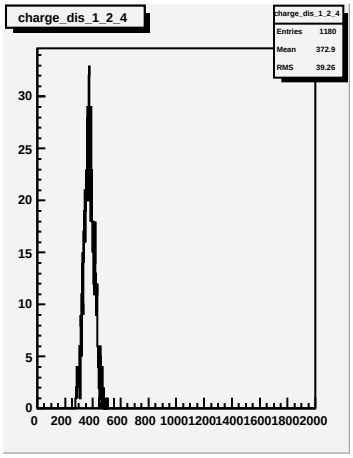
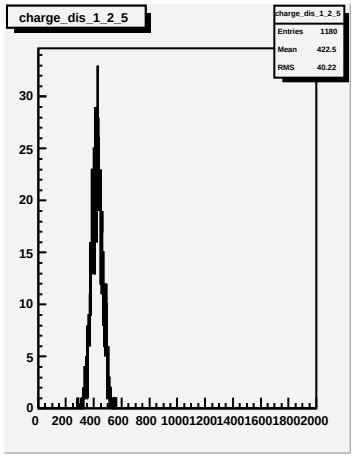
charge_dis_1_2_0
Entries 1180
Mean 507.1
RMS 45.37

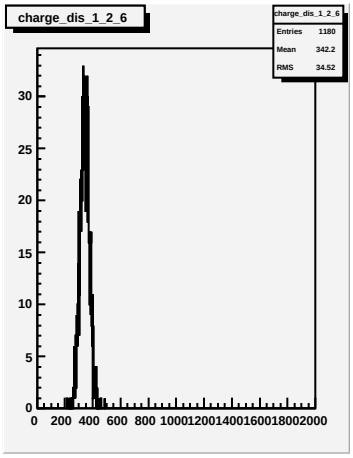

charge_dis_1_2_1
charge_dis_1_2_1
Entries 1180
Mean 516.9
RMS 49.95

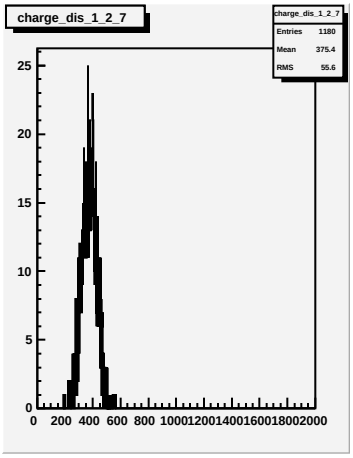

charge_dis_1_2_2
charge_dis_1_2_2
Entries 1180
Mean 504.9
RMS 54.42

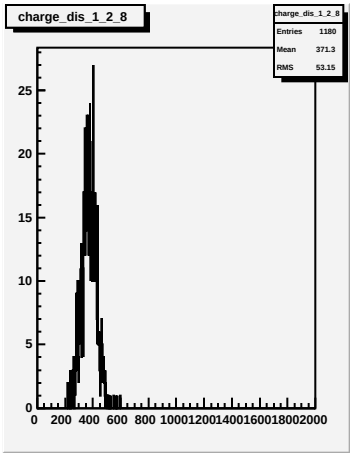

charge_dis_1_2_3
charge_dis_1_2_3
Entries 1180
Mean 488.4
RMS 46.74

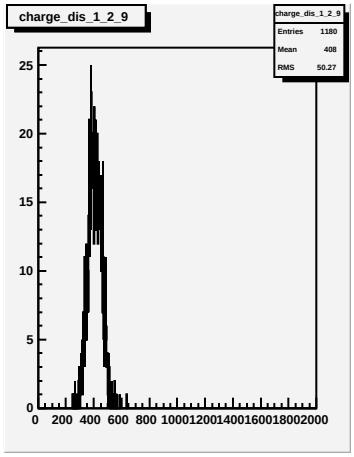

charge_dis_1_2_4
charge_dis_1_2_4
Entries 1180
Mean 372.9
RMS 39.26


charge_dis_1_2_5
charge_dis_1_2_5
Entries 1180
Mean 422.5
RMS 40.22


charge_dis_1_2_6
charge_dis_1_2_6
Entries 1180
Mean 342.2
RMS 34.52


charge_dis_1_2_7
charge_dis_1_2_7
Entries 1180
Mean 375.4
RMS 55.6


charge_dis_1_2_8
charge_dis_1_2_8
Entries 1180
Mean 371.3
RMS 53.15


charge_dis_1_2_9
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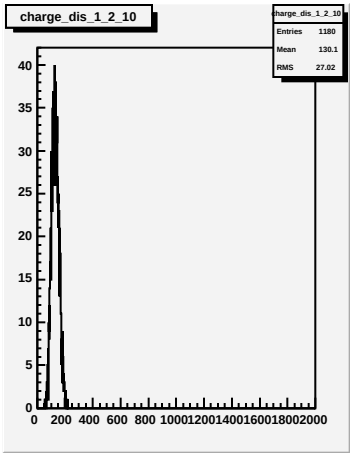
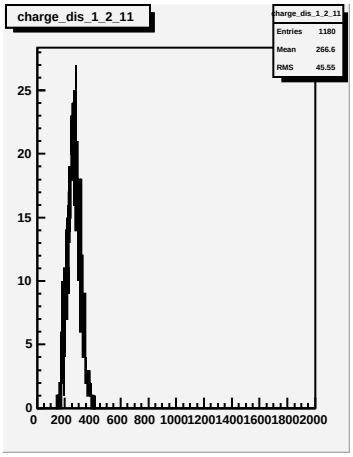
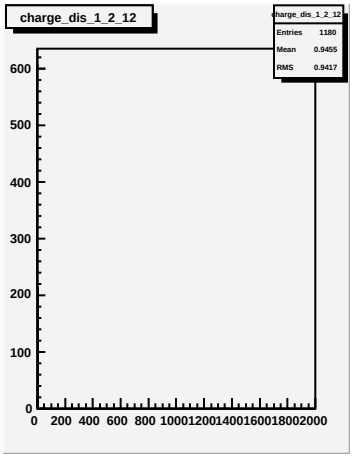
Entries 1180
Mean 408
RMS 50.27


charge_dis_1_2_10
charge_dis_1_2_10
Entries 1180
Mean 130.1
RMS 27.02


charge_dis_1_2_11
charge_dis_1_2_11
Entries 1180
Mean 266.6
RMS 45.55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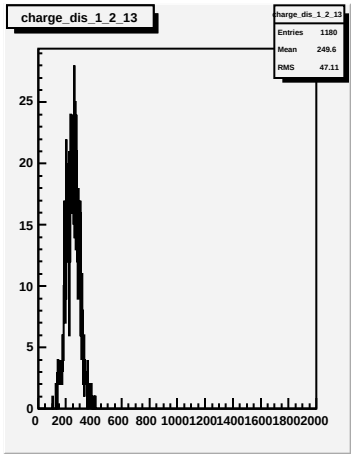
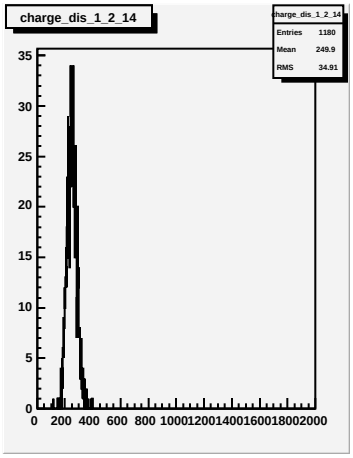
charge_dis_1_2_12
Entries 1180
Mean 0.9455
RMS 0.9417


charge_dis_1_2_13
charge_dis_1_2_13
Entries 1180
Mean 249.6
RMS 47.11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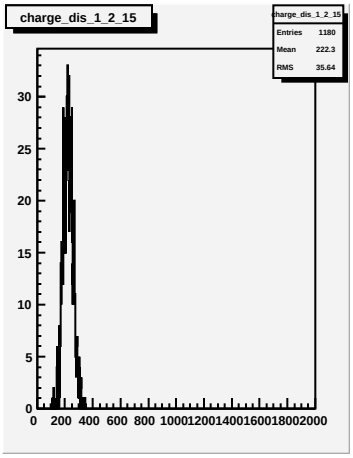
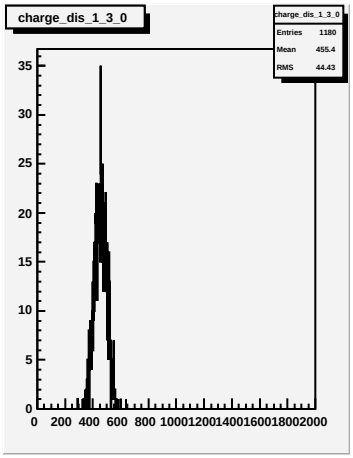
charge_dis_1_2_14
Entries 1180
Mean 249.9
RMS 34.91


charge_dis_1_2_15
charge_dis_1_2_15
Entries 1180
Mean 222.3
RMS 35.64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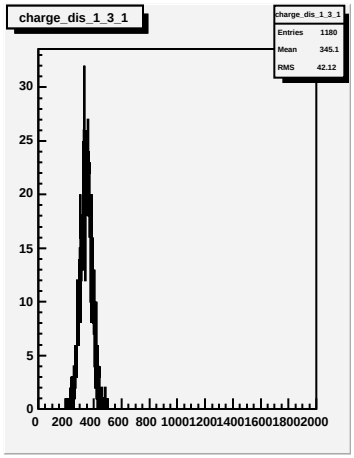
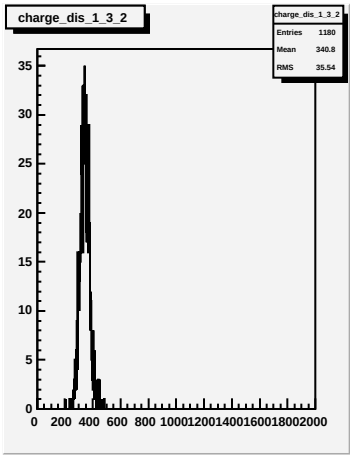
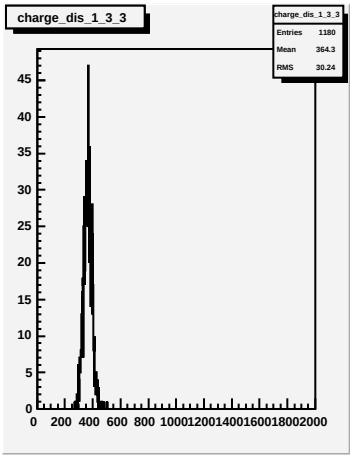
charge_dis_1_3_0
Entries 1180
Mean 455.4
RMS 44.43


charge_dis_1_3_1
charge_dis_1_3_1
Entries 1180
Mean 345.1
RMS 42.12


charge_dis_1_3_2
charge_dis_1_3_2
Entries 1180
Mean 340.8
RMS 35.54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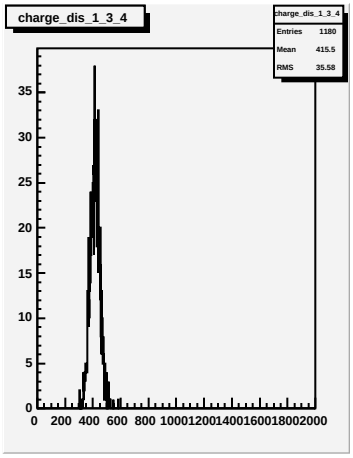
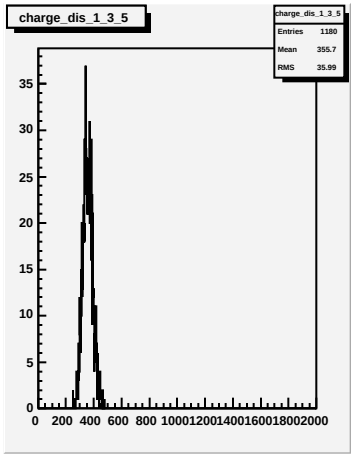
charge_dis_1_3_3
Entries 1180
Mean 364.3
RMS 30.24


charge_dis_1_3_4
charge_dis_1_3_4
Entries 1180
Mean 415.5
RMS 35.58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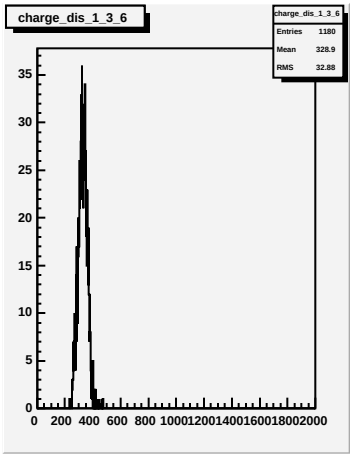
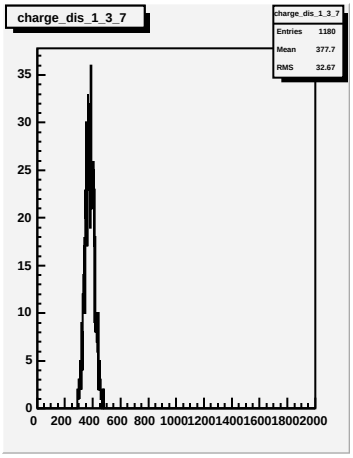
charge_dis_1_3_5
Entries 1180
Mean 355.7
RMS 35.99


charge_dis_1_3_6
charge_dis_1_3_6
Entries 1180
Mean 328.9
RMS 32.88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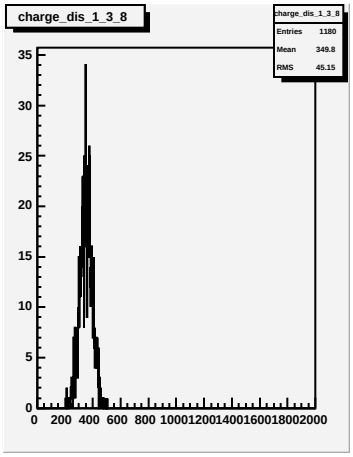
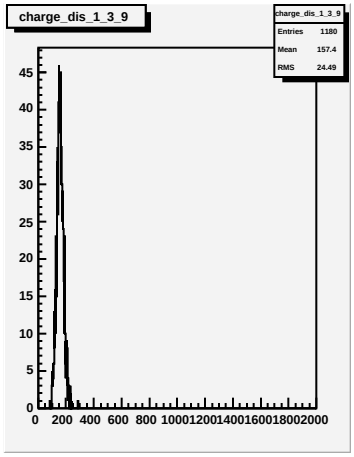
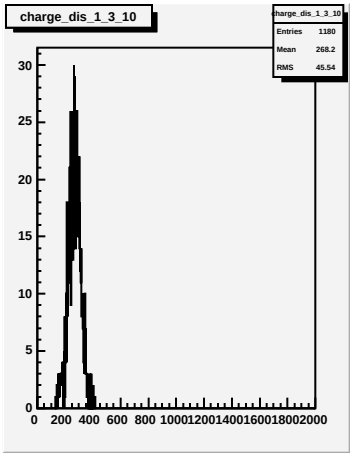
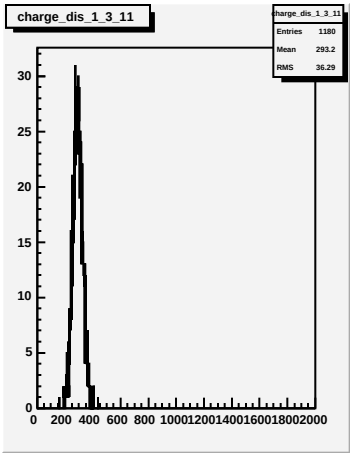
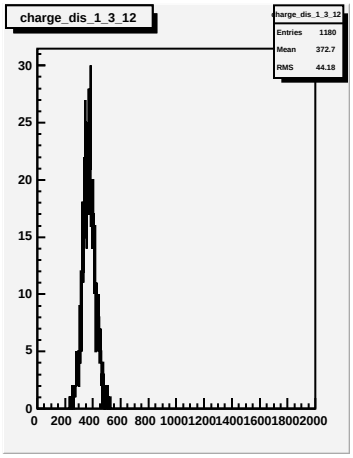
charge_dis_1_3_7
Entries 1180
Mean 377.7
RMS 32.67

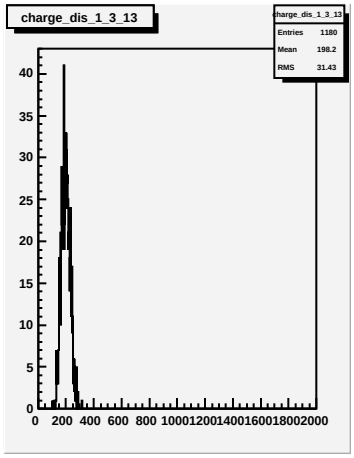

charge_dis_1_3_8
charge_dis_1_3_8
Entries 1180
Mean 349.8
RMS 45.15

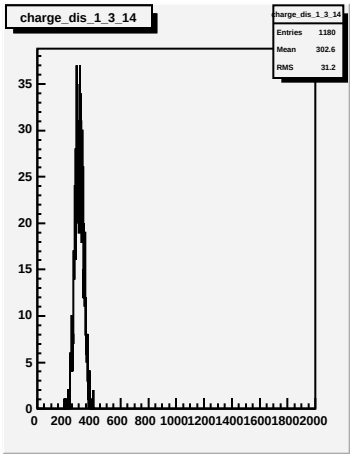

charge_dis_1_3_9
charge_dis_1_3_9
Entries 1180
Mean 157.4
RMS 24.49

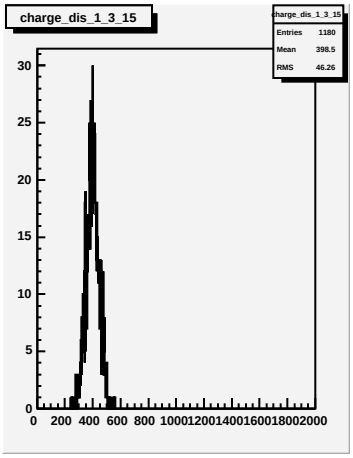

charge_dis_1_3_10
charge_dis_1_3_10
Entries 1180
Mean 268.2
RMS 45.54

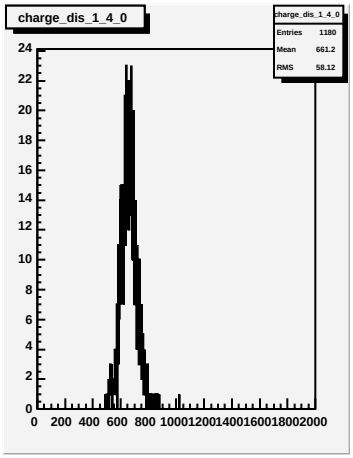

charge_dis_1_3_11
charge_dis_1_3_11
Entries 1180
Mean 293.2
RMS 36.29


charge_dis_1_3_12
charge_dis_1_3_12
Entries 1180
Mean 372.7
RMS 44.18


charge_dis_1_3_13
charge_dis_1_3_13
Entries 1180
Mean 198.2
RMS 31.43


charge_dis_1_3_14
charge_dis_1_3_14
Entries 1180
Mean 302.6
RMS 31.2


charge_dis_1_3_15
charge_dis_1_3_15
Entries 1180
Mean 398.5
RMS 46.26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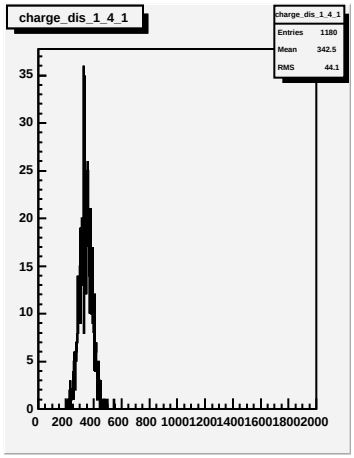
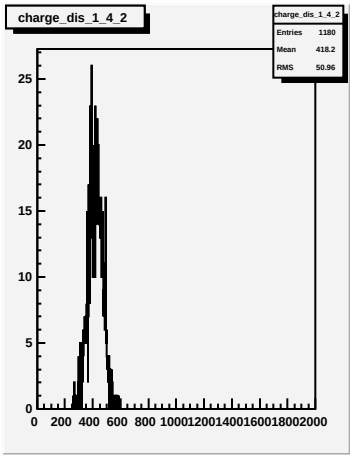
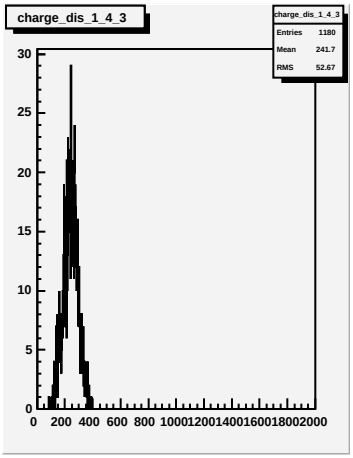
Entries 1180
Mean 661.2
RMS 58.12


charge_dis_1_4_1
charge_dis_1_4_1
Entries 1180
Mean 342.5
RMS 44.1


charge_dis_1_4_2
charge_dis_1_4_2
Entries 1180
Mean 418.2
RMS 50.96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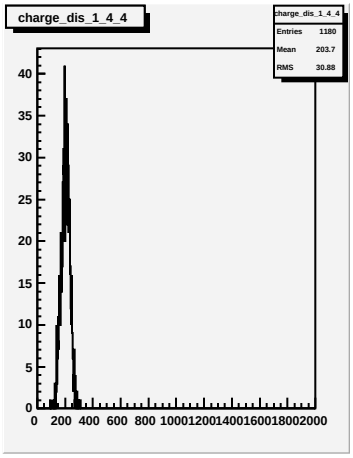
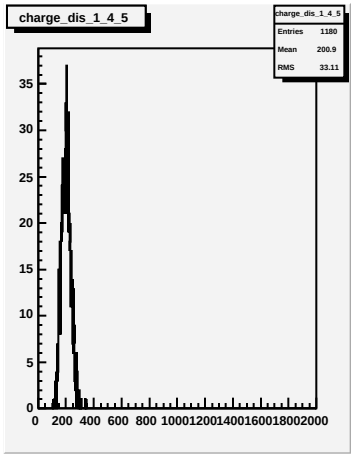
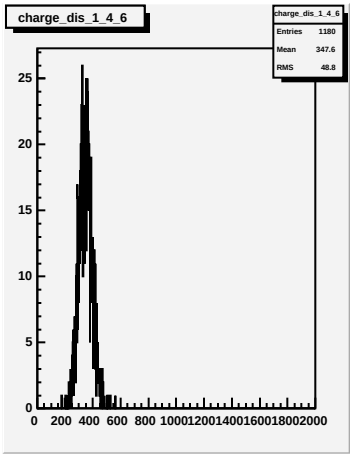
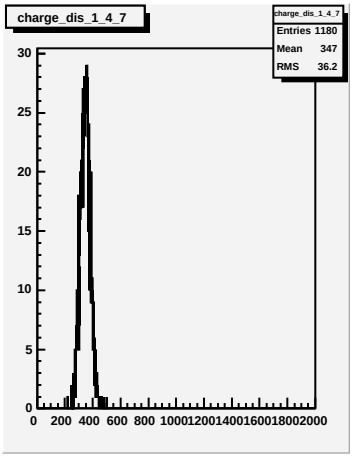
charge_dis_1_4_3
Entries 1180
Mean 241.7
RMS 52.67


charge_dis_1_4_4
charge_dis_1_4_4
Entries 1180
Mean 203.7
RMS 30.88


charge_dis_1_4_5
charge_dis_1_4_5
Entries 1180
Mean 200.9
RMS 33.11


charge_dis_1_4_6
charge_dis_1_4_6
Entries 1180
Mean 347.6
RMS 48.8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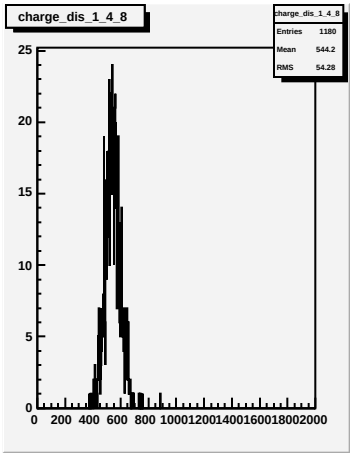
charge_dis_1_4_7
Entries 1180
Mean 347
RMS 36.2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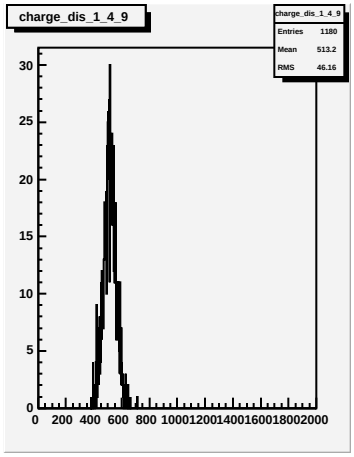
charge_dis_1_4_8
Entries 1180
Mean 544.2
RMS 54.28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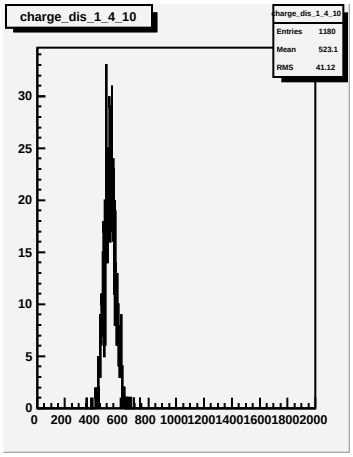
charge_dis_1_4_9
Entries 1180
Mean 513.2
RMS 46.16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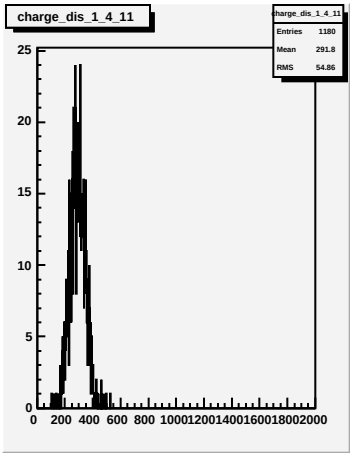
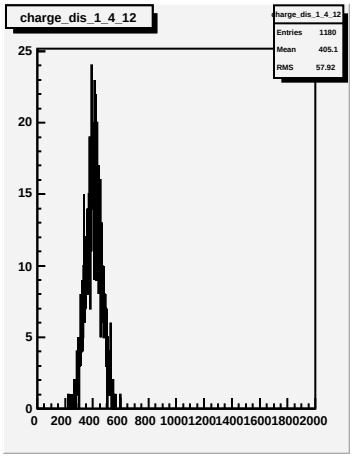
charge_dis_1_4_10
Entries 1180
Mean 523.1
RMS 41.12


charge_dis_1_4_11
charge_dis_1_4_11
Entries 1180
Mean 291.8
RMS 54.86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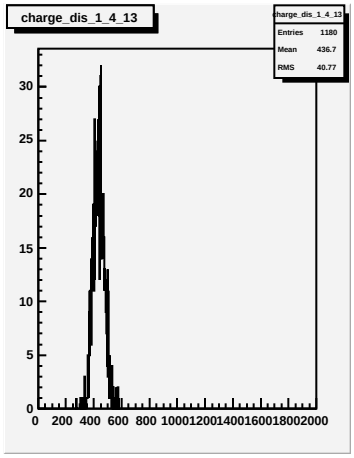
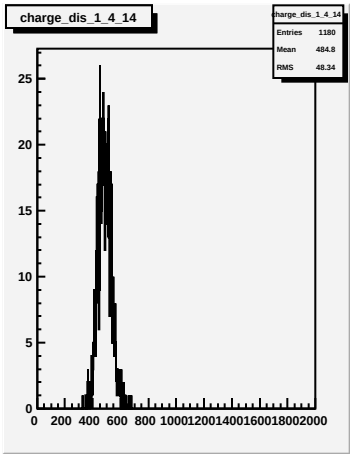
charge_dis_1_4_12
Entries 1180
Mean 405.1
RMS 57.92


charge_dis_1_4_13
charge_dis_1_4_13
Entries 1180
Mean 436.7
RMS 40.77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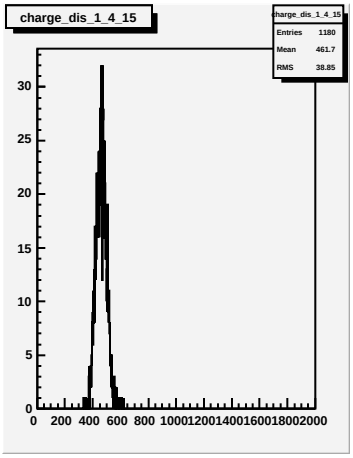
charge_dis_1_4_14
Entries 1180
Mean 484.8
RMS 48.34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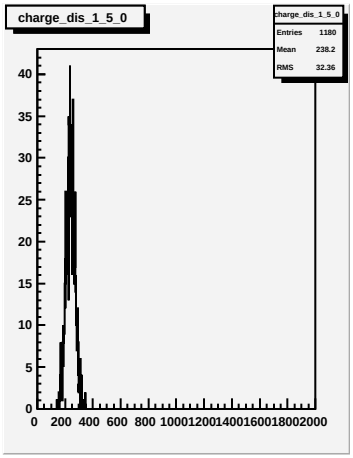
charge_dis_1_4_15
Entries 1180
Mean 461.7
RMS 38.85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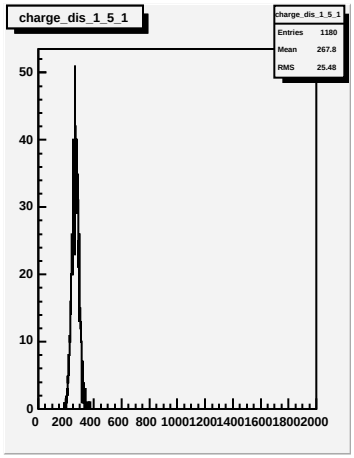
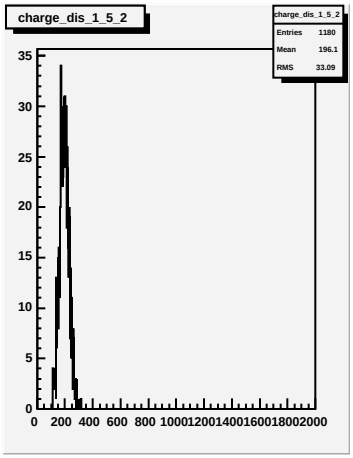
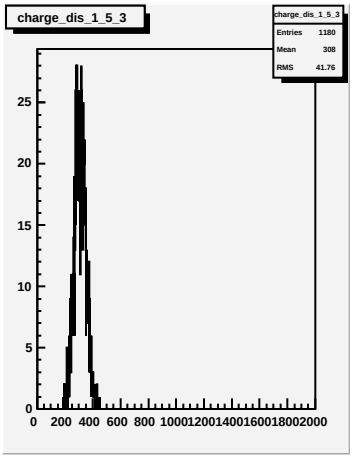
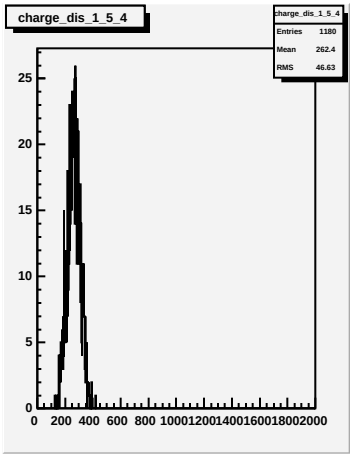
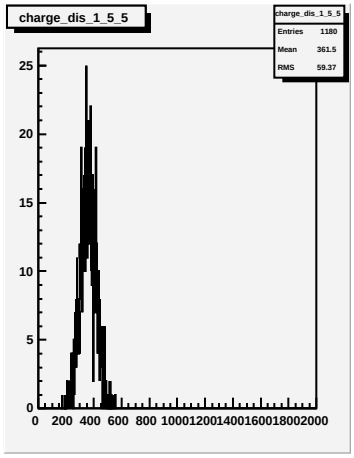
charge_dis_1_5_0
Entries 1180
Mean 238.2
RMS 32.36

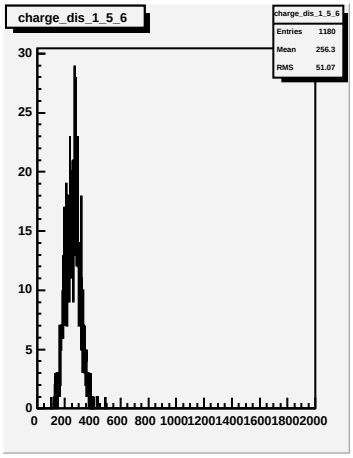

charge_dis_1_5_1
charge_dis_1_5_1
Entries 1180
Mean 267.8
RMS 25.48

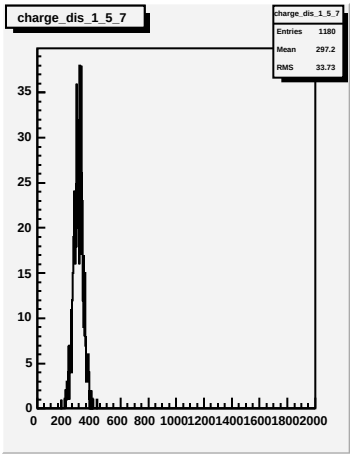

charge_dis_1_5_2
charge_dis_1_5_2
Entries 1180
Mean 196.1
RMS 33.09

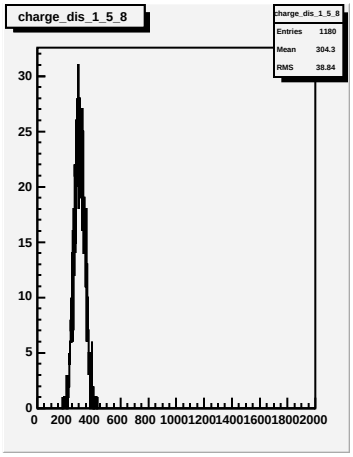

charge_dis_1_5_3
charge_dis_1_5_3
Entries 1180
Mean 308
RMS 41.76

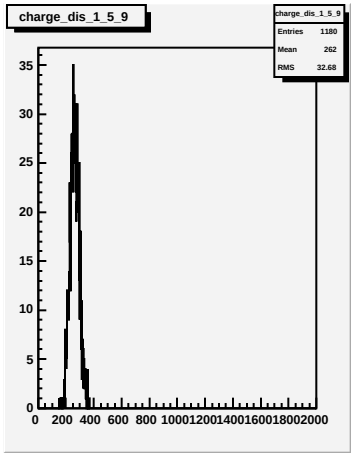

charge_dis_1_5_4
charge_dis_1_5_4
Entries 1180
Mean 262.4
RMS 46.63


charge_dis_1_5_5
charge_dis_1_5_5
Entries 1180
Mean 361.5
RMS 59.37


charge_dis_1_5_6
charge_dis_1_5_6
Entries 1180
Mean 256.3
RMS 51.07


charge_dis_1_5_7
charge_dis_1_5_7
Entries 1180
Mean 297.2
RMS 33.73


charge_dis_1_5_8
charge_dis_1_5_8
Entries 1180
Mean 304.3
RMS 38.84


charge_dis_1_5_9
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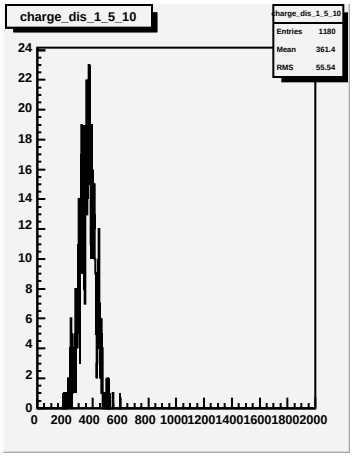
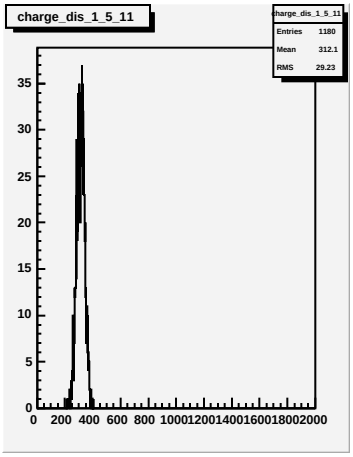
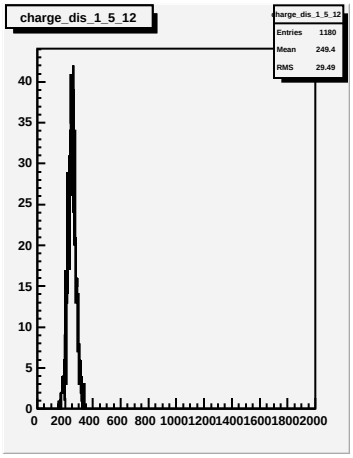
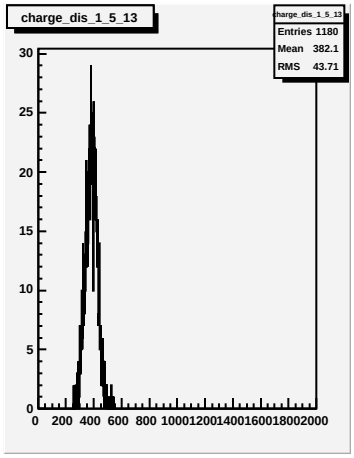
Entries 1180
Mean 262
RMS 32.68


charge_dis_1_5_10
charge_dis_1_5_10
Entries 1180
Mean 361.4
RMS 55.54


charge_dis_1_5_11
charge_dis_1_5_11
Entries 1180
Mean 312.1
RMS 29.23


charge_dis_1_5_12
charge_dis_1_5_12
Entries 1180
Mean 249.4
RMS 29.49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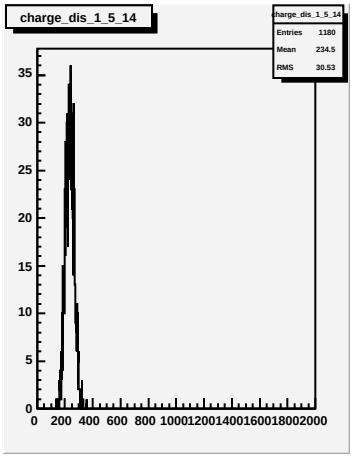
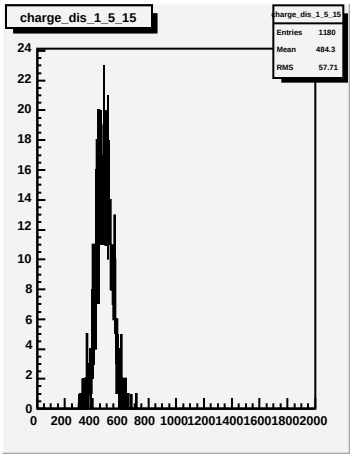
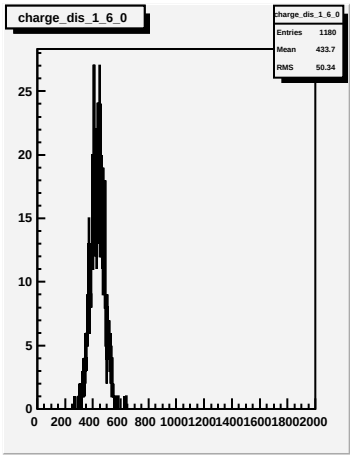
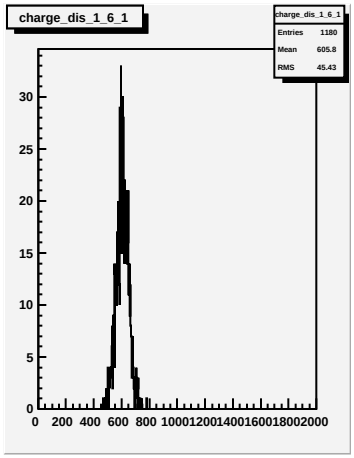
charge_dis_1_5_13
Entries 1180
Mean 382.1
RMS 43.71


charge_dis_1_5_14
charge_dis_1_5_14
Entries 1180
Mean 234.5
RMS 30.53


charge_dis_1_5_15
charge_dis_1_5_15
Entries 1180
Mean 484.3
RMS 57.71


charge_dis_1_6_0
charge_dis_1_6_0
Entries 1180
Mean 433.7
RMS 50.34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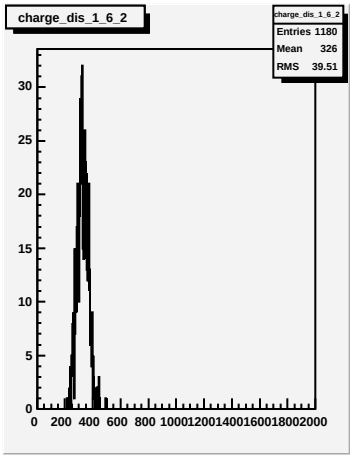
charge_dis_1_6_1
Entries 1180
Mean 605.8
RMS 45.43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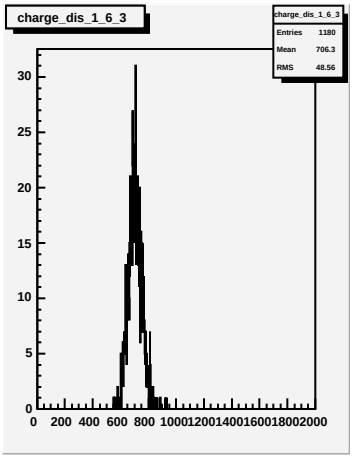
charge_dis_1_6_2
Entries 1180
Mean 326
RMS 39.51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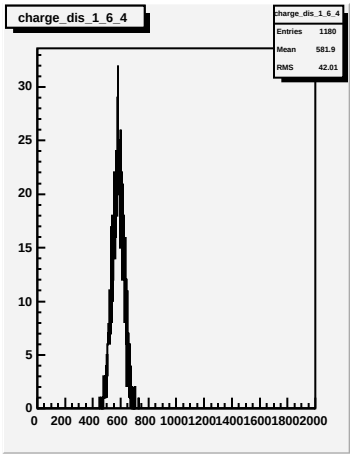
Entries 1180
Mean 706.3
RMS 48.56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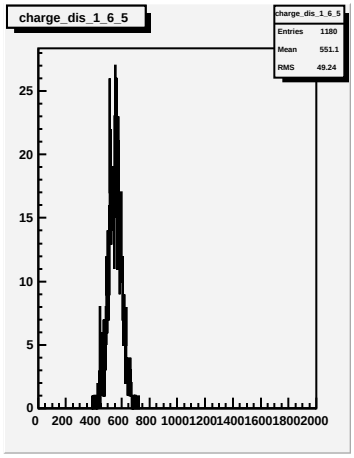
Entries 1180
Mean 581.9
RMS 42.01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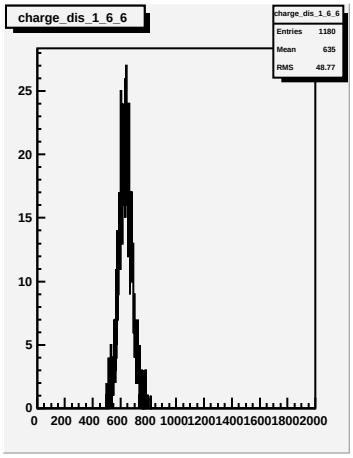
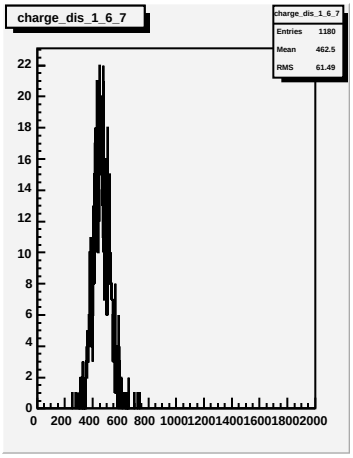
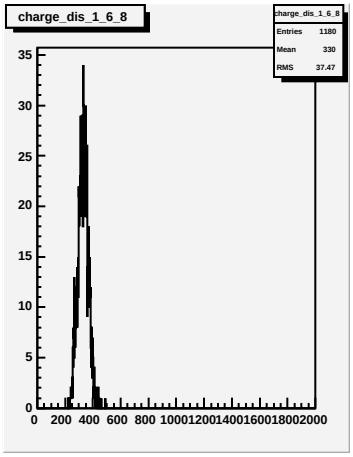
charge_dis_1_6_5
Entries 1180
Mean 551.1
RMS 49.24


charge_dis_1_6_6
charge_dis_1_6_6
Entries 1180
Mean 635
RMS 48.77


charge_dis_1_6_7
charge_dis_1_6_7
Entries 1180
Mean 462.5
RMS 61.49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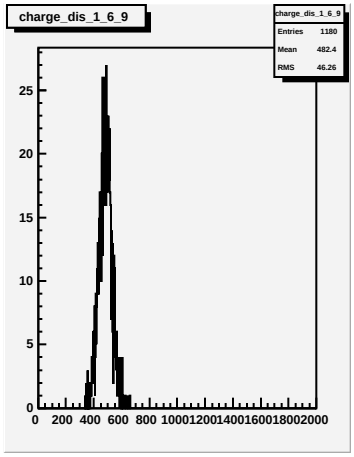
charge_dis_1_6_8
Entries 1180
Mean 330
RMS 37.47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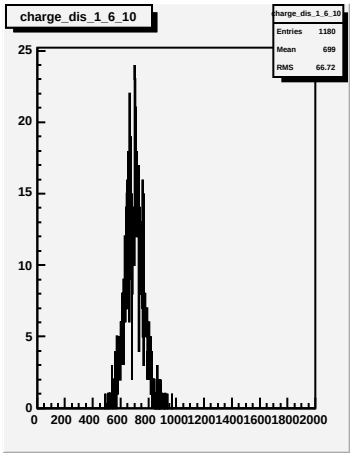
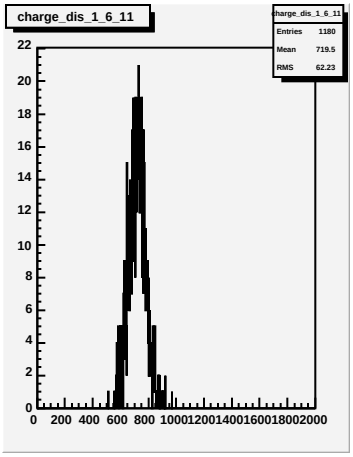
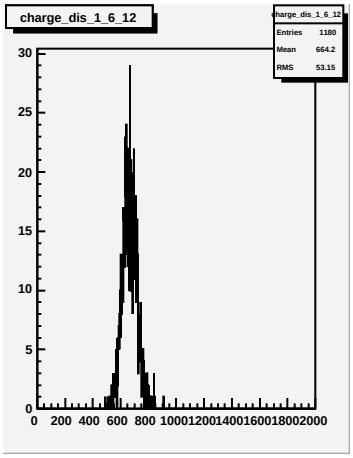
Entries 1180
Mean 482.4
RMS 46.26


charge_dis_1_6_10
charge_dis_1_6_10
Entries 1180
Mean 699
RMS 66.72


charge_dis_1_6_11
charge_dis_1_6_11
Entries 1180
Mean 719.5
RMS 62.23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charge_dis_1_6_12
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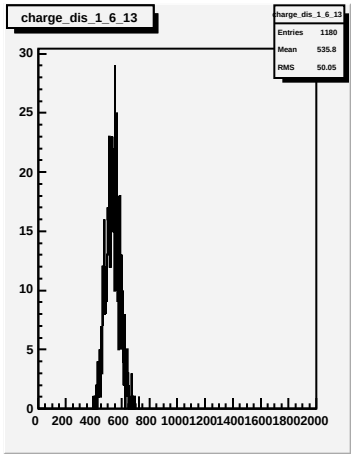
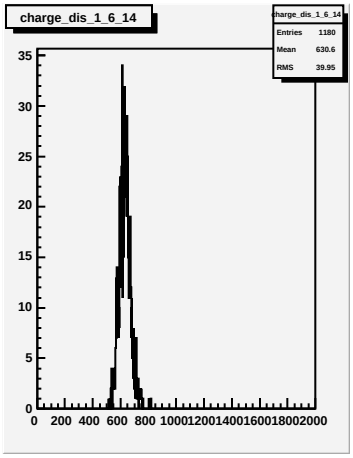
Mean 664.2
RMS 53.15


charge_dis_1_6_13
charge_dis_1_6_13
Entries 1180
Mean 535.8
RMS 50.05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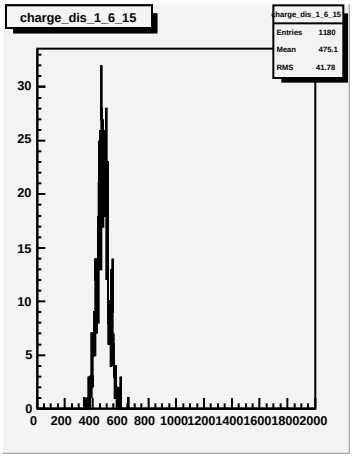
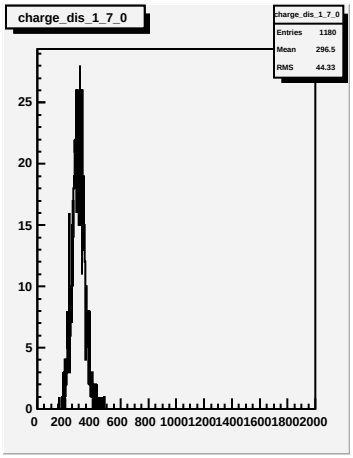
Entries 1180
Mean 630.6
RMS 39.95


charge_dis_1_6_15
charge_dis_1_6_15
Entries 1180
Mean 475.1
RMS 41.78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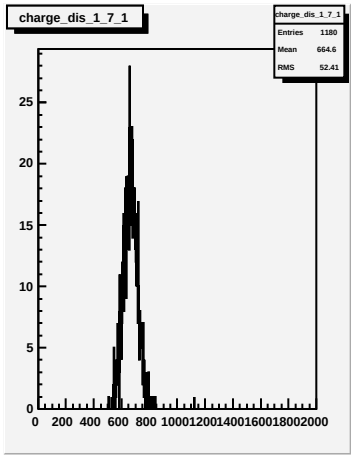
charge_dis_1_7_0
Entries 1180
Mean 296.5
RMS 44.33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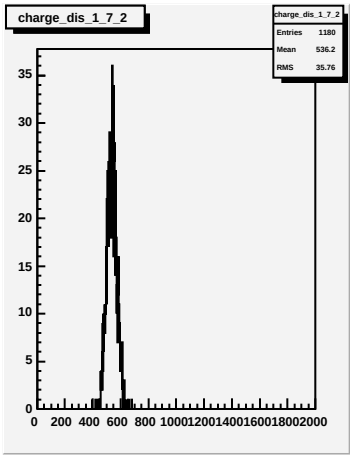
Entries 1180
Mean 664.6
RMS 52.41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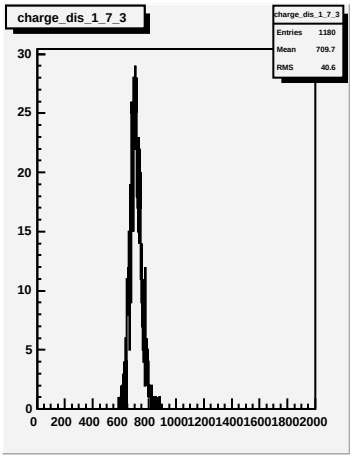
charge_dis_1_7_2
Entries 1180
Mean 536.2
RMS 35.76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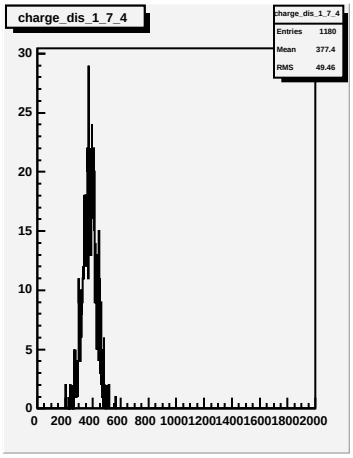
Entries 1180
Mean 709.7
RMS 40.6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Entries 1180
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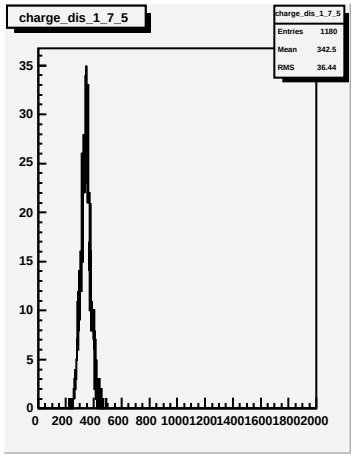
RMS 49.46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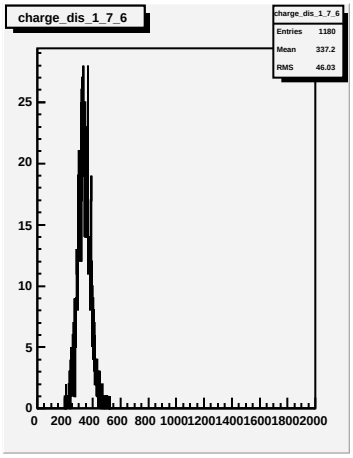
Entries 1180
Mean 342.5
RMS 36.44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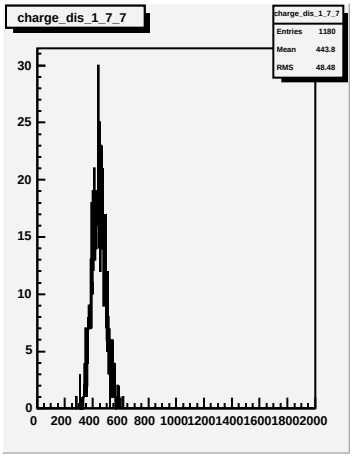
Entries 1180
Mean 337.2
RMS 46.03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Entries 1180
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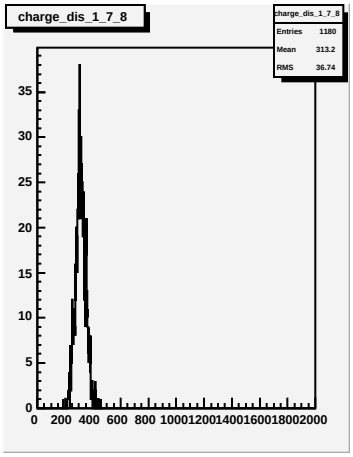
RMS 48.48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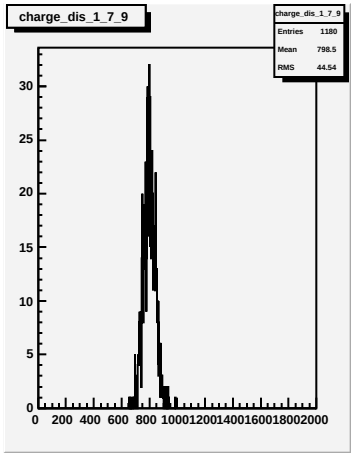
Entries 1180
Mean 313.2
RMS 36.74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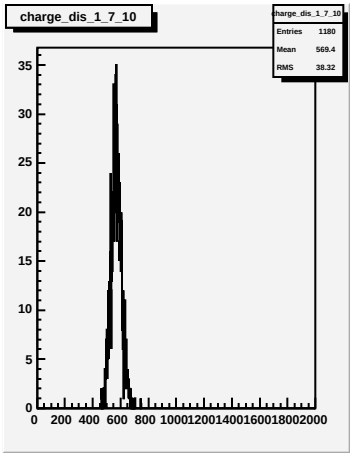
charge_dis_1_7_9
Entries 1180
Mean 798.5
RMS 44.54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Entries 1180
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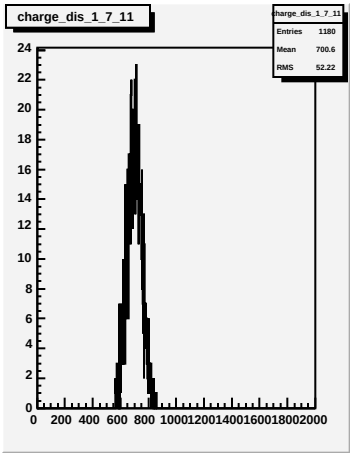
RMS 38.32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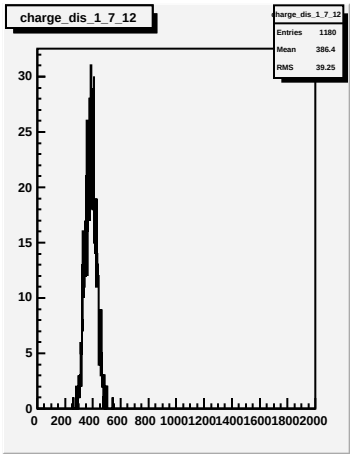
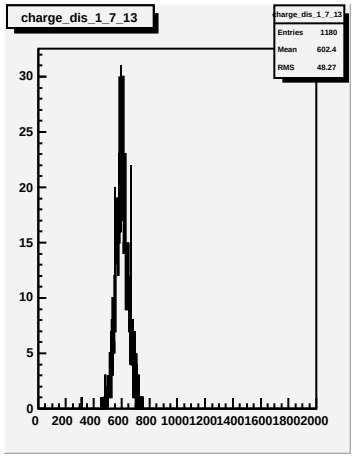
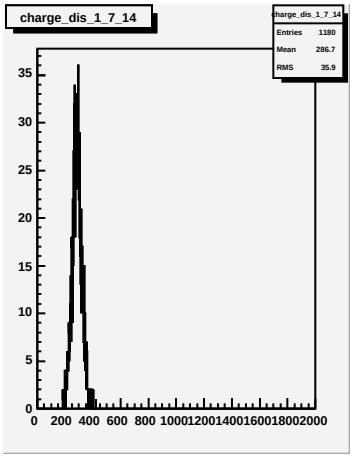
charge_dis_1_7_11
Entries 1180
Mean 700.6
RMS 52.22


charge_dis_1_7_12
charge_dis_1_7_12
Entries 1180
Mean 386.4
RMS 39.25


charge_dis_1_7_13
charge_dis_1_7_13
Entries 1180
Mean 602.4
RMS 48.27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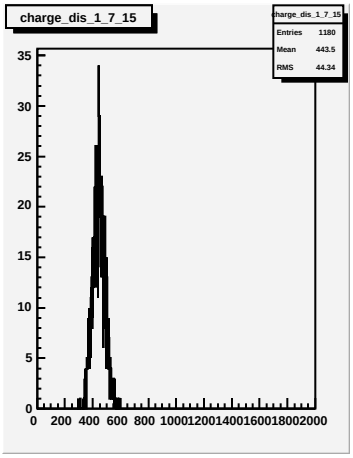
Entries 1180
Mean 286.7
RMS 35.9


charge_dis_1_7_15
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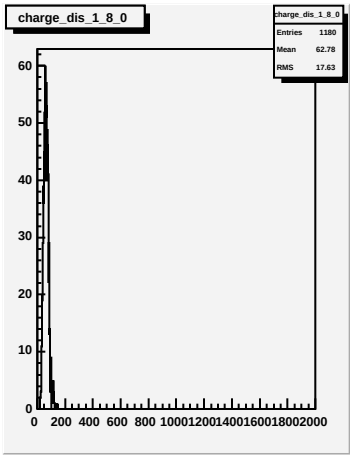
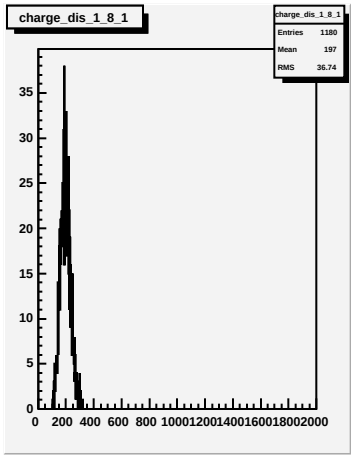
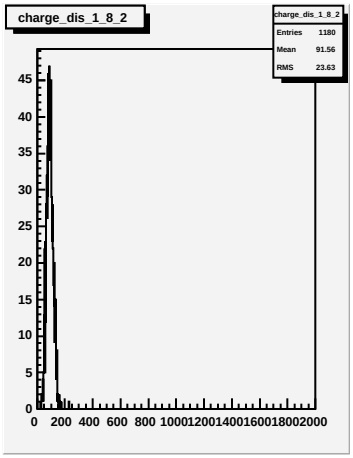
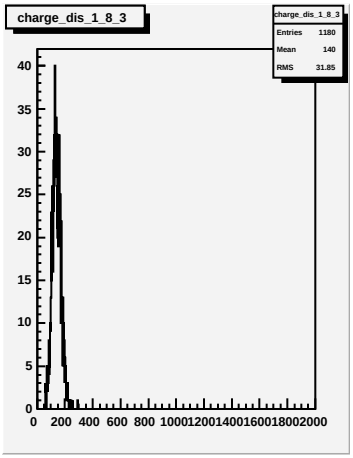
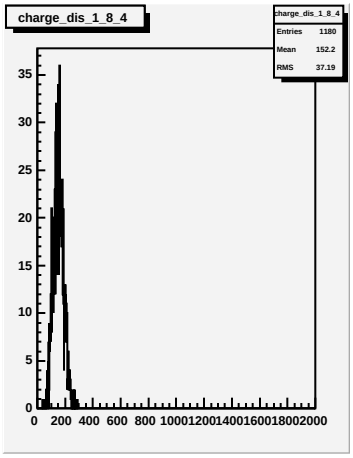
Entries 1180
Mean 443.5
RMS 44.34

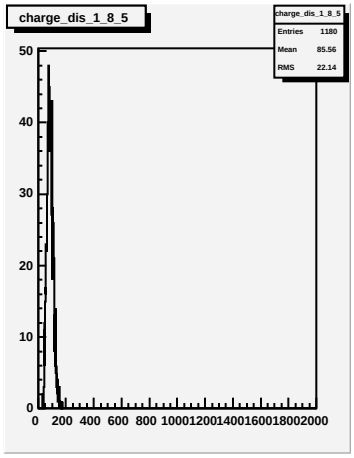

charge_dis_1_8_0
charge_dis_1_8_0
Entries 1180
Mean 62.78
RMS 17.63

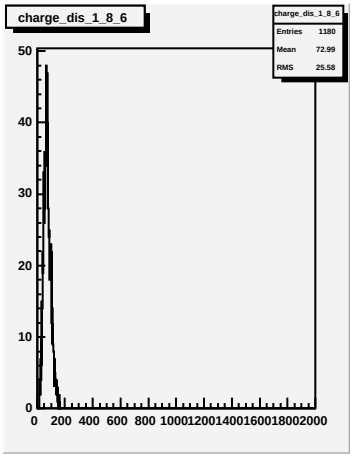

charge_dis_1_8_1
charge_dis_1_8_1
Entries 1180
Mean 197
RMS 36.74

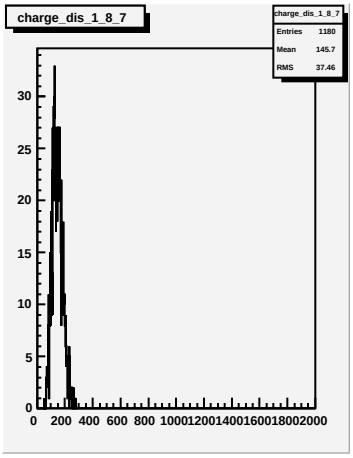

charge_dis_1_8_2
charge_dis_1_8_2
Entries 1180
Mean 91.56
RMS 23.63


charge_dis_1_8_3
charge_dis_1_8_3
Entries 1180
Mean 140
RMS 31.85


charge_dis_1_8_4
charge_dis_1_8_4
Entries 1180
Mean 152.2
RMS 37.19


charge_dis_1_8_5
charge_dis_1_8_5
Entries 1180
Mean 85.56
RMS 22.14


charge_dis_1_8_6
charge_dis_1_8_6
Entries 1180
Mean 72.99
RMS 25.58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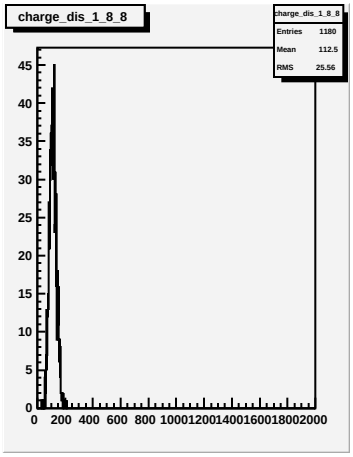
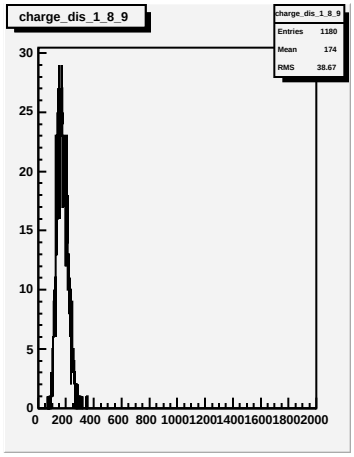
charge_dis_1_8_7
Entries 1180
Mean 145.7
RMS 37.46


charge_dis_1_8_8
charge_dis_1_8_8
Entries 1180
Mean 112.5
RMS 25.56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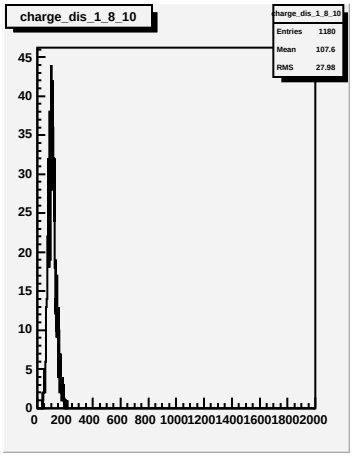
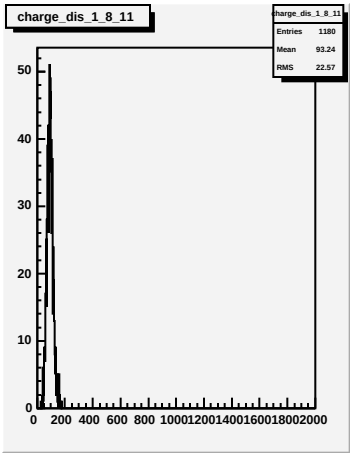
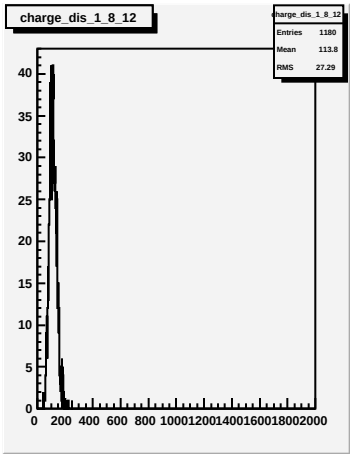
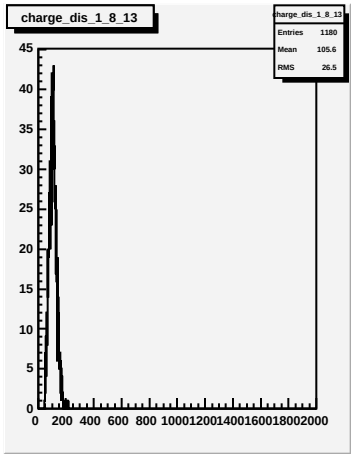
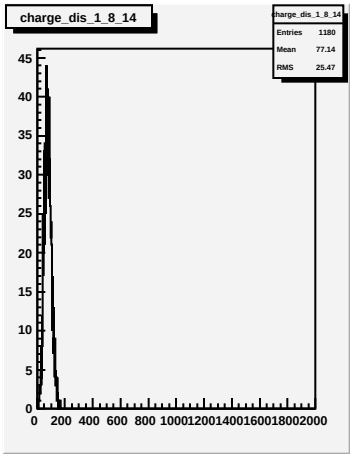
charge_dis_1_8_9
Entries 1180
Mean 174
RMS 38.67

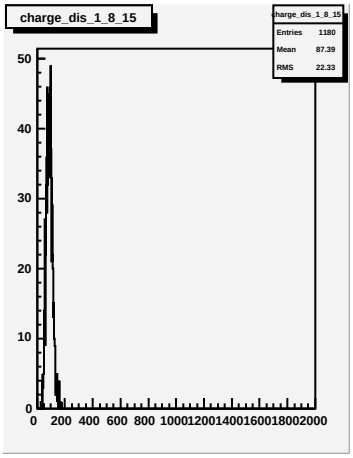

charge_dis_1_8_10
charge_dis_1_8_10
Entries 1180
Mean 107.6
RMS 27.98

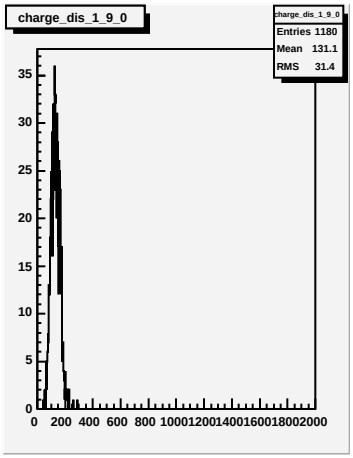

charge_dis_1_8_11
charge_dis_1_8_11
Entries 1180
Mean 93.24
RMS 22.57

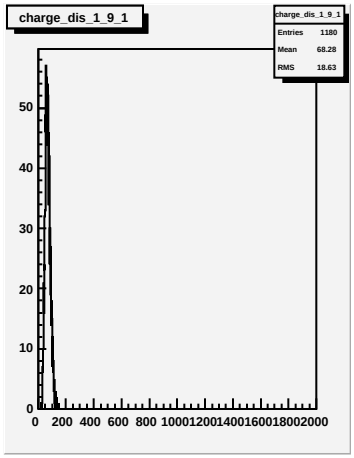

charge_dis_1_8_12
charge_dis_1_8_12
Entries 1180
Mean 113.8
RMS 27.29

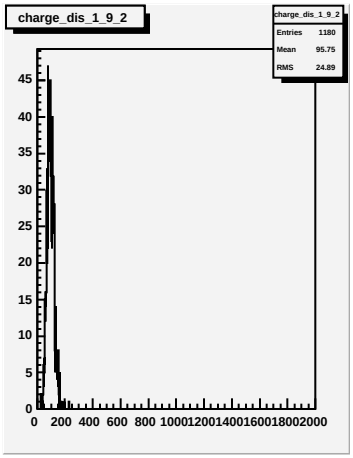

charge_dis_1_8_13
charge_dis_1_8_13
Entries 1180
Mean 105.6
RMS 26.5

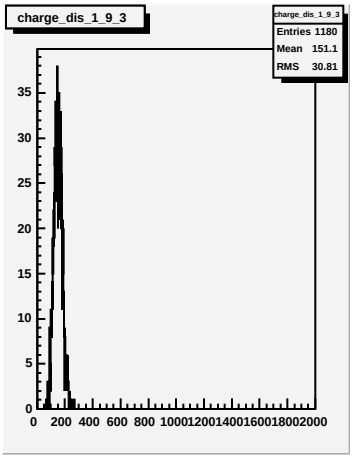

charge_dis_1_8_14
charge_dis_1_8_14
Entries 1180
Mean 77.14
RMS 25.47

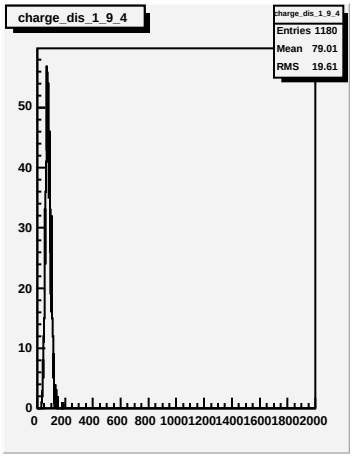

charge_dis_1_8_15
charge_dis_1_8_15
Entries 1180
Mean 87.39
RMS 22.33

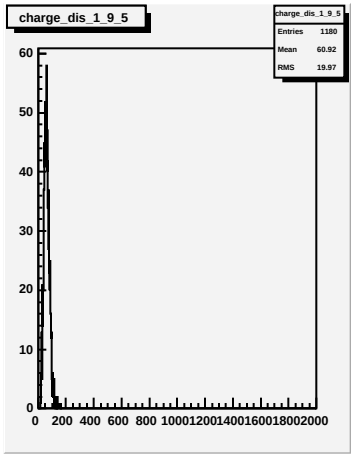

charge_dis_1_9_0
charge_dis_1_9_0
Entries 1180
Mean 131.1
RMS 31.4

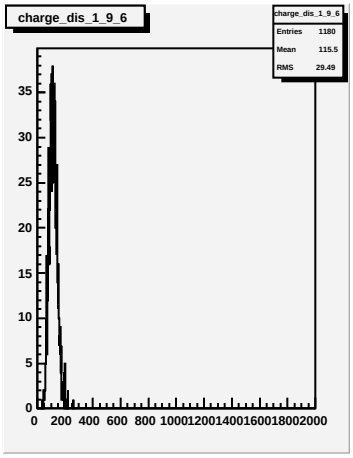

charge_dis_1_9_1
charge_dis_1_9_1
Entries 1180
Mean 68.28
RMS 18.63

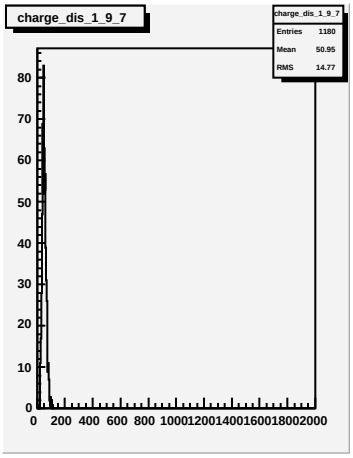

charge_dis_1_9_2
charge_dis_1_9_2
Entries 1180
Mean 95.75
RMS 24.89

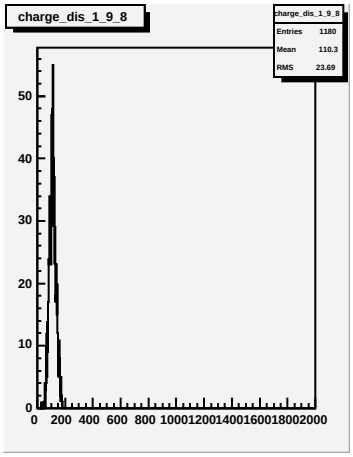

charge_dis_1_9_3
charge_dis_1_9_3
Entries 1180
Mean 151.1
RMS 30.81

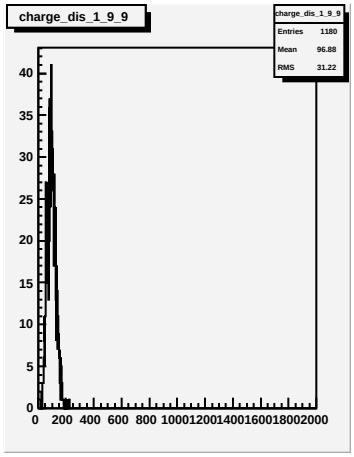

charge_dis_1_9_4
charge_dis_1_9_4
Entries 1180
Mean 79.01
RMS 19.61

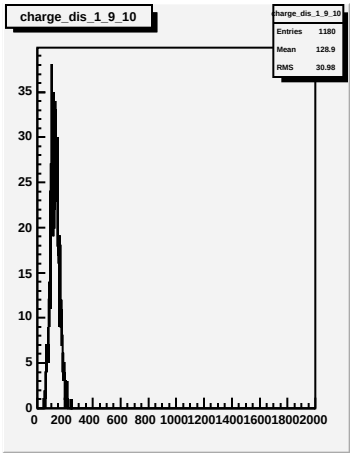

charge_dis_1_9_5
charge_dis_1_9_5
Entries 1180
Mean 60.92
RMS 19.97

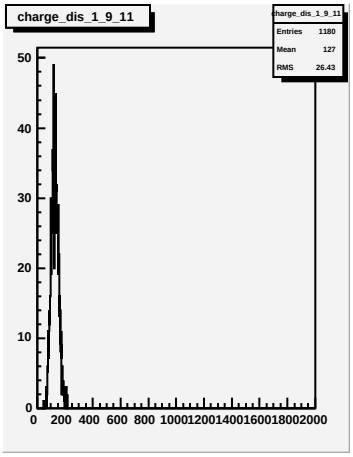

charge_dis_1_9_6
charge_dis_1_9_6
Entries 1180
Mean 115.5
RMS 29.49

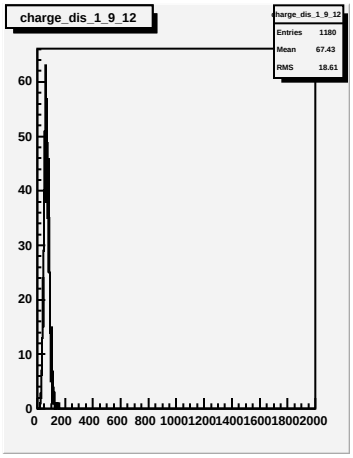

charge_dis_1_9_7
charge_dis_1_9_7
Entries 1180
Mean 50.95
RMS 14.77

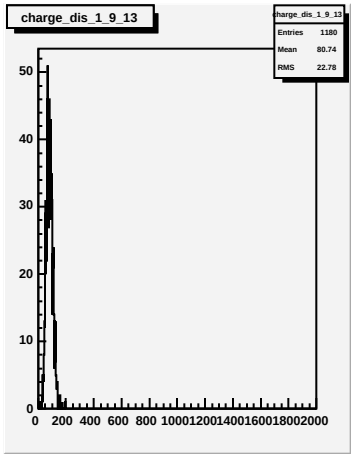

charge_dis_1_9_8
charge_dis_1_9_8
Entries 1180
Mean 110.3
RMS 23.69

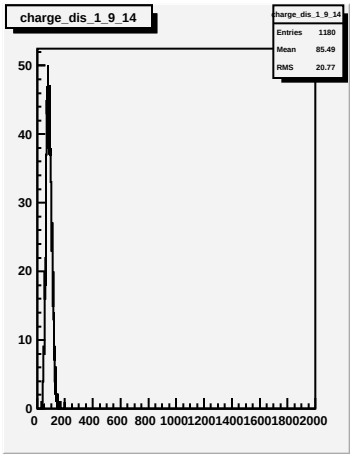

charge_dis_1_9_9
charge_dis_1_9_9
Entries 1180
Mean 96.88
RMS 31.22

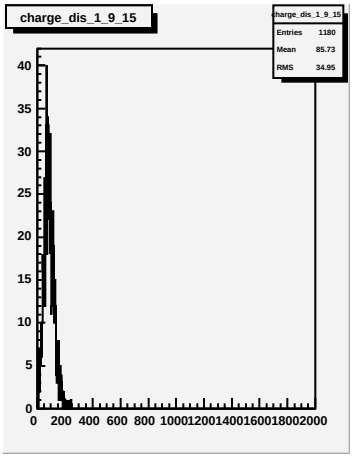

charge_dis_1_9_10
charge_dis_1_9_10
Entries 1180
Mean 128.9
RMS 30.98

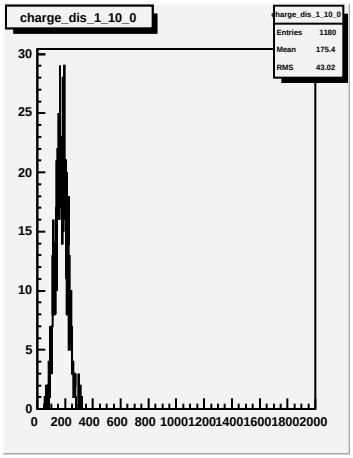

charge_dis_1_9_11
charge_dis_1_9_11
Entries 1180
Mean 127
RMS 26.43


charge_dis_1_9_12
charge_dis_1_9_12
Entries 1180
Mean 67.43
RMS 18.61


charge_dis_1_9_13
charge_dis_1_9_13
Entries 1180
Mean 80.74
RMS 22.78


charge_dis_1_9_14
charge_dis_1_9_14
Entries 1180
Mean 85.49
RMS 20.77


charge_dis_1_9_15
charge_dis_1_9_15
Entries 1180
Mean 85.73
RMS 34.95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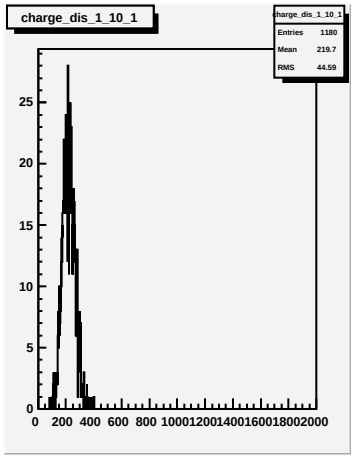
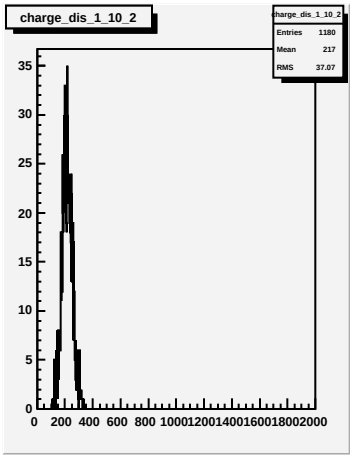
Entries 1180
Mean 175.4
RMS 43.02


charge_dis_1_10_1
charge_dis_1_10_1
Entries 1180
Mean 219.7
RMS 44.59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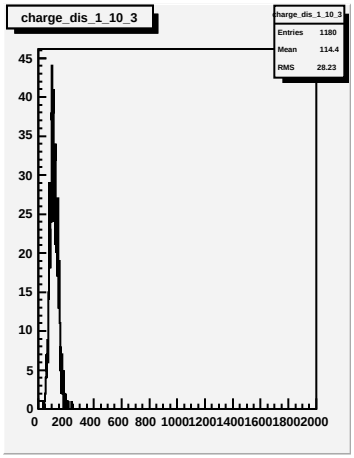
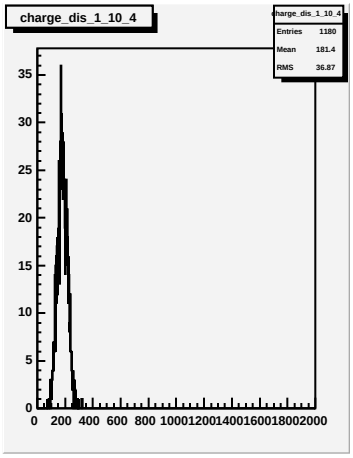
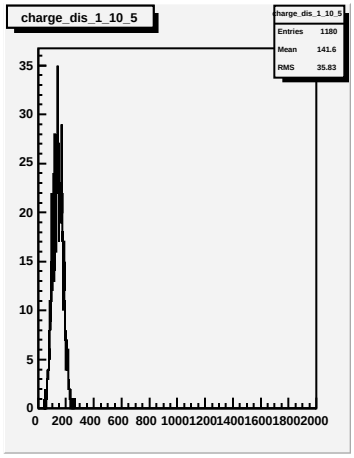
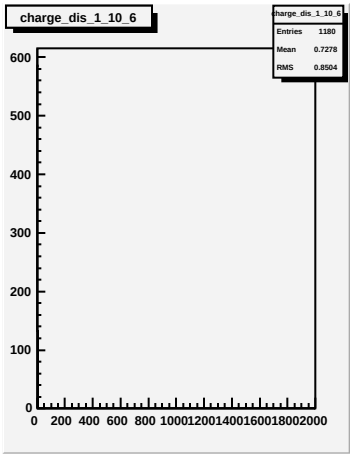
charge_dis_1_10_2
Entries 1180
Mean 217
RMS 37.07


charge_dis_1_10_3
charge_dis_1_10_3
Entries 1180
Mean 114.4
RMS 28.23


charge_dis_1_10_4
charge_dis_1_10_4
Entries 1180
Mean 181.4
RMS 36.87


charge_dis_1_10_5
charge_dis_1_10_5
Entries 1180
Mean 141.6
RMS 35.83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Entries 1180
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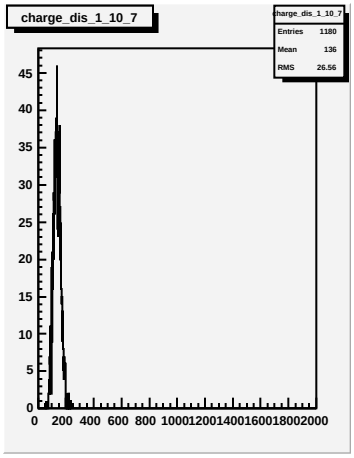
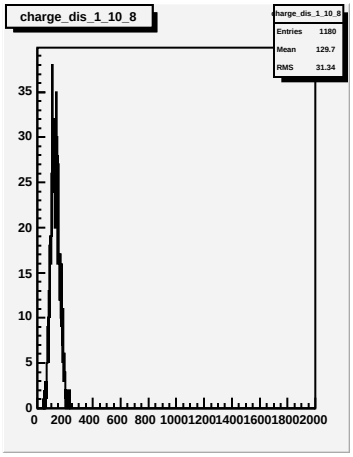
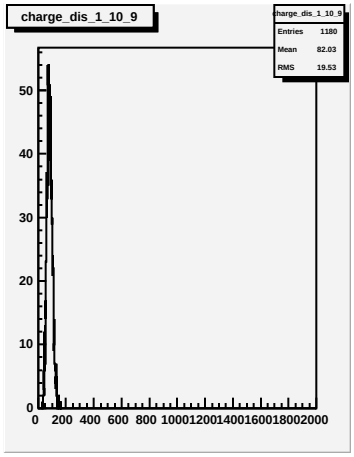
RMS 0.8504


charge_dis_1_10_7
charge_dis_1_10_7
Entries 1180
Mean 136
RMS 26.56


charge_dis_1_10_8
charge_dis_1_10_8
Entries 1180
Mean 129.7
RMS 31.34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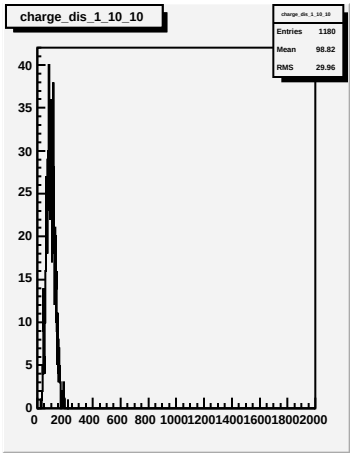
charge_dis_1_10_9
Entries 1180
Mean 82.03
RMS 19.53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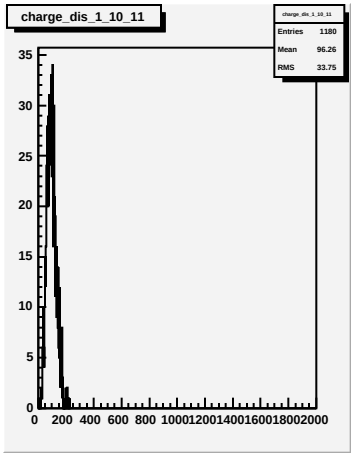
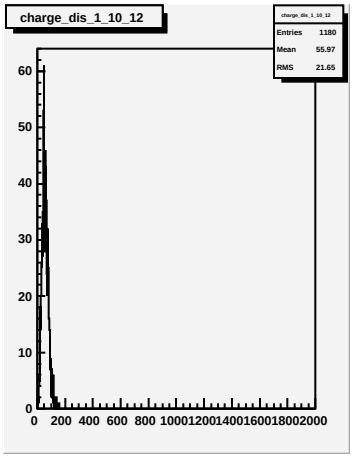
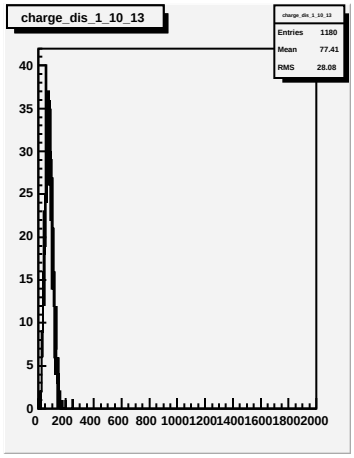
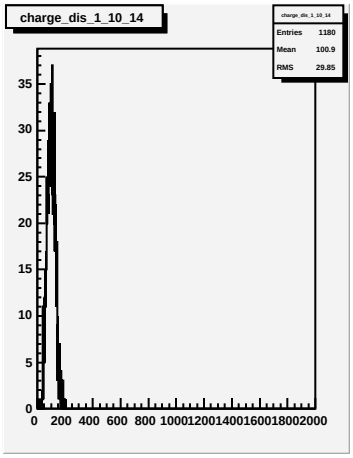
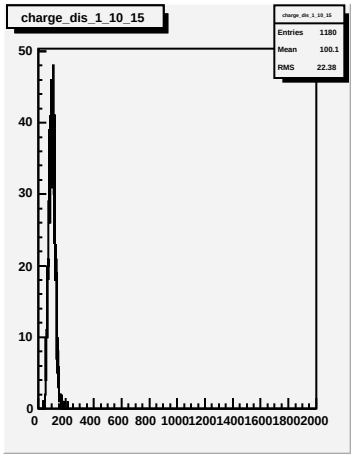
charge_dis_1_10_10
Entries 1180
Mean 98.82
RMS 29.96


charge_dis_1_10_11
charge_dis_1_10_11
Entries 1180
Mean 96.26
RMS 33.75


charge_dis_1_10_12
charge_dis_1_10_12
Entries 1180
Mean 55.97
RMS 21.65


charge_dis_1_10_13
charge_dis_1_10_13
Entries 1180
Mean 77.41
RMS 28.08


charge_dis_1_10_14
charge_dis_1_10_14
Entries 1180
Mean 100.9
RMS 29.85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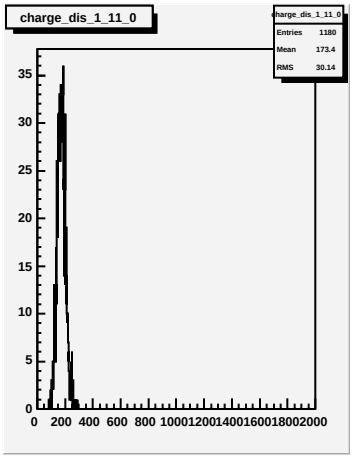
charge_dis_1_10_15
Entries 1180
Mean 100.1
RMS 22.38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Entries 1180
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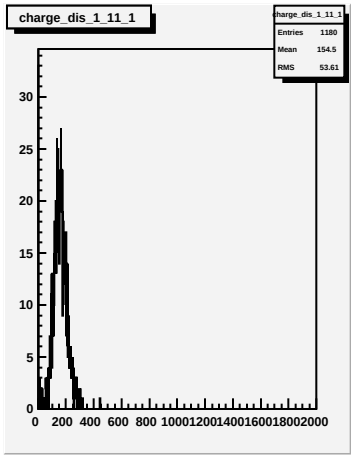
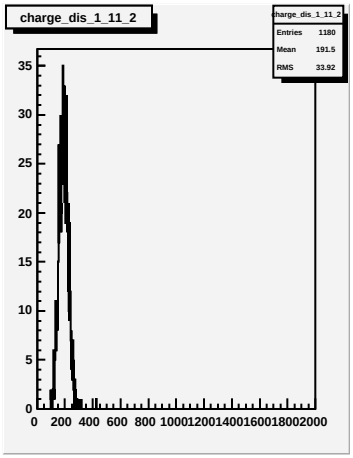
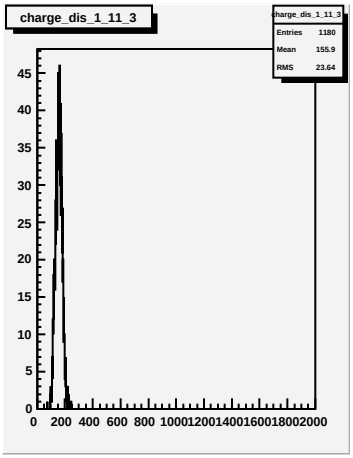
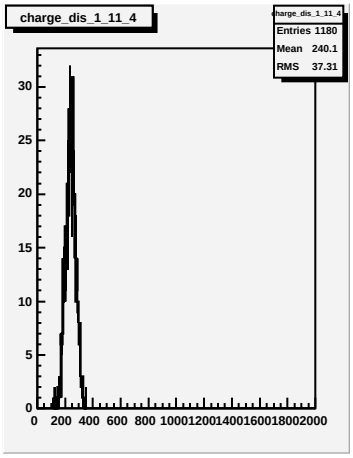
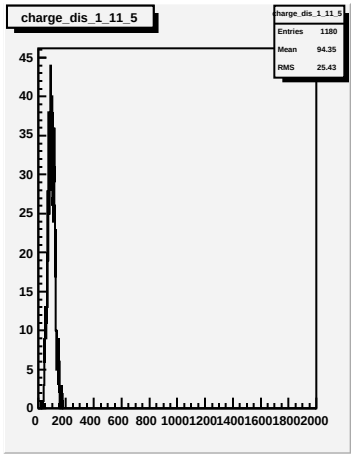
RMS 30.14

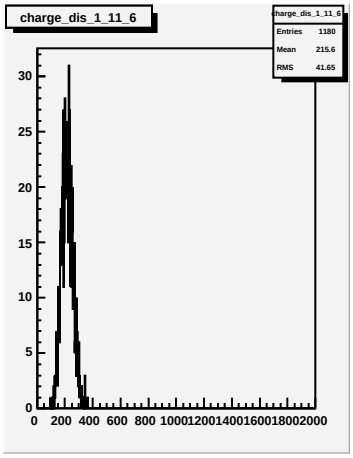

charge_dis_1_11_1
Entries 1180
Mean 154.5
RMS 53.61

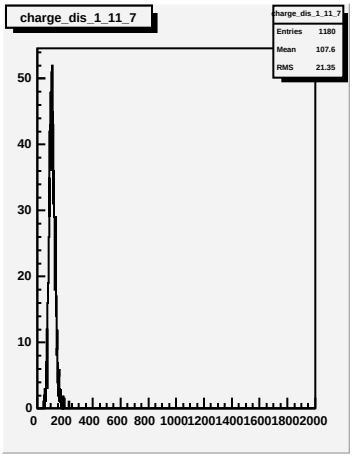

charge_dis_1_11_2
Entries 1180
Mean 191.5
RMS 33.92

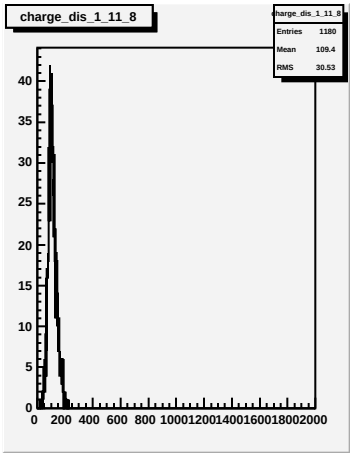

charge_dis_1_11_3
Entries 1180
Mean 155.9
RMS 23.64

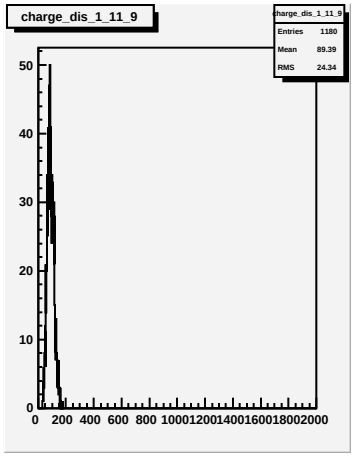

charge_dis_1_11_4
Entries 1180
Mean 240.1
RMS 37.31

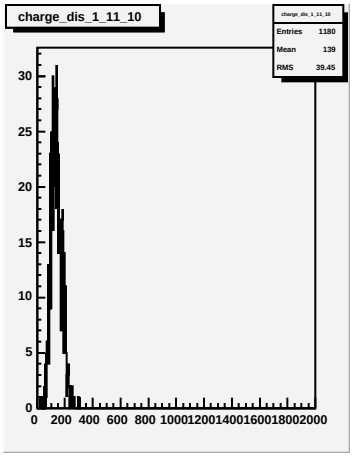

charge_dis_1_11_5
Entries 1180
Mean 94.35
RMS 25.43


charge_dis_1_11_6
Entries 1180
Mean 215.6
RMS 41.65


charge_dis_1_11_7
Entries 1180
Mean 107.6
RMS 21.35


charge_dis_1_11_8
Entries 1180
Mean 109.4
RMS 30.53


charge_dis_1_11_9
Entries 1180
Mean 89.39
RMS 24.34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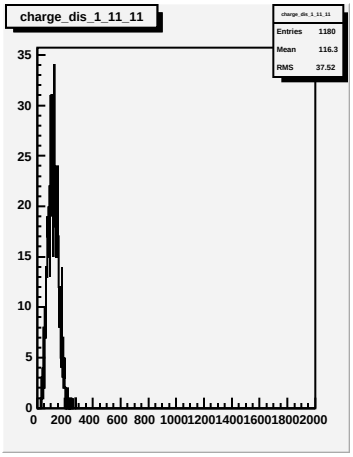
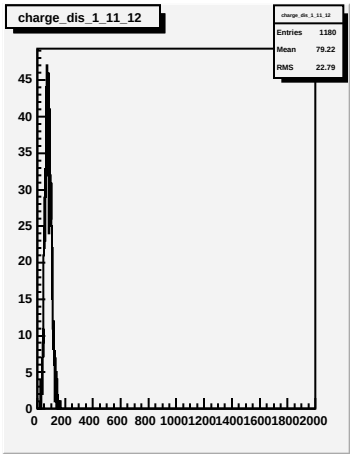
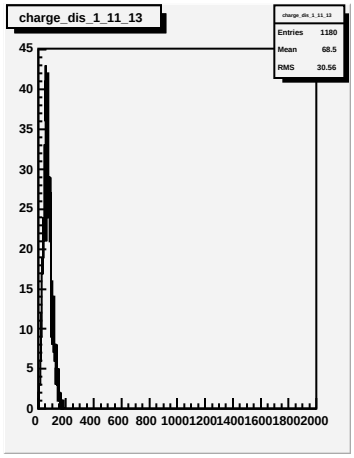
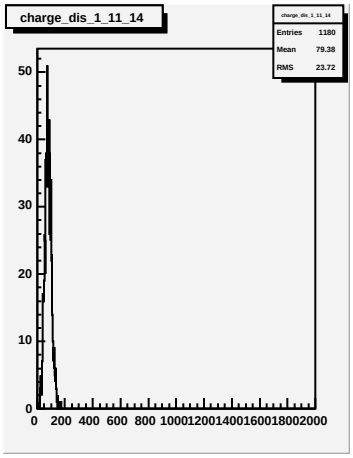
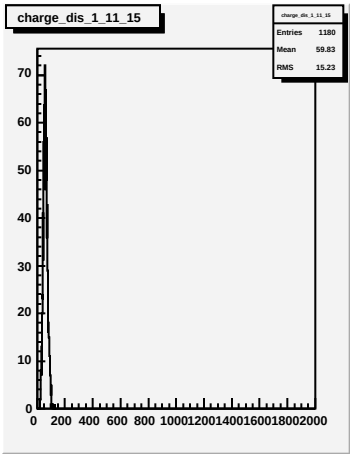
Entries 1180
Mean 139
RMS 39.45

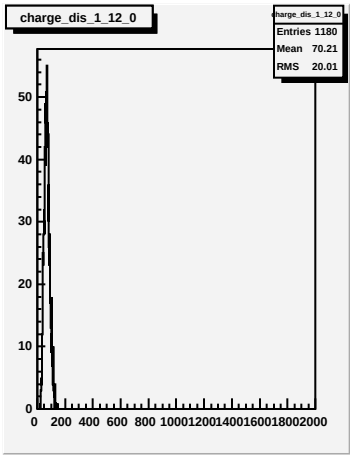

charge_dis_1_11_11
Entries 1180
Mean 116.3
RMS 37.52

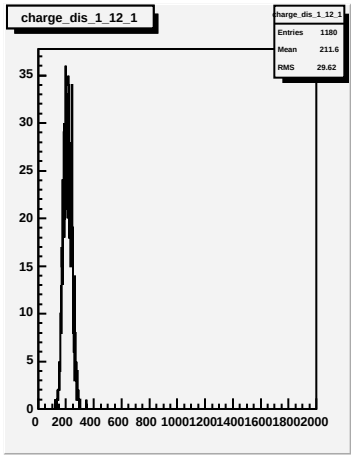

charge_dis_1_11_12
Entries 1180
Mean 79.22
RMS 22.79

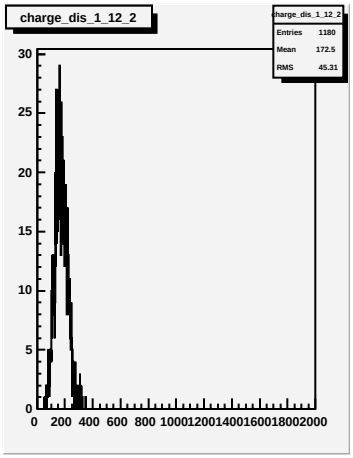

charge_dis_1_11_13
Entries 1180
Mean 68.5
RMS 30.56

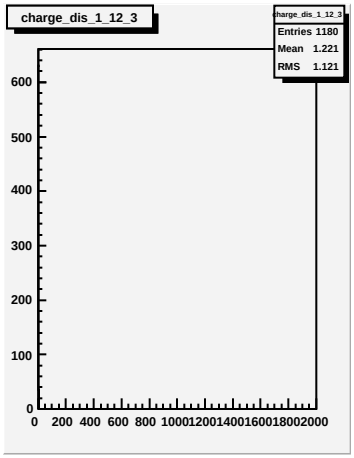

charge_dis_1_11_14
Entries 1180
Mean 79.38
RMS 23.72

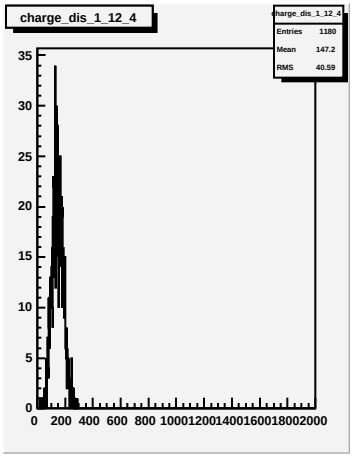

charge_dis_1_11_15
Entries 1180
Mean 59.83
RMS 15.23


charge_dis_1_12_0
Entries 1180
Mean 70.21
RMS 20.01


charge_dis_1_12_1
Entries 1180
Mean 211.6
RMS 29.62


charge_dis_1_12_2
Entries 1180
Mean 172.5
RMS 45.31


charge_dis_1_12_3
Entries 1180
Mean 1.221
RMS 1.121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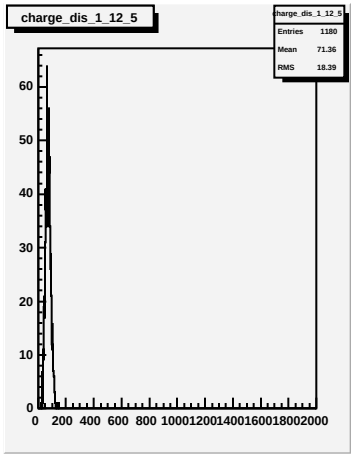
Entries 1180
Mean 147.2
RMS 40.59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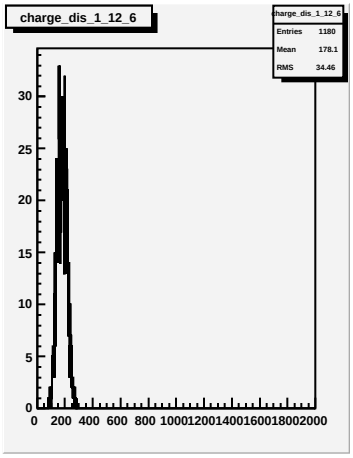
Entries 1180
Mean 71.36
RMS 18.39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Entries 1180
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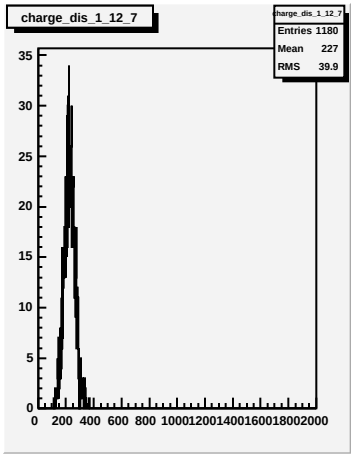
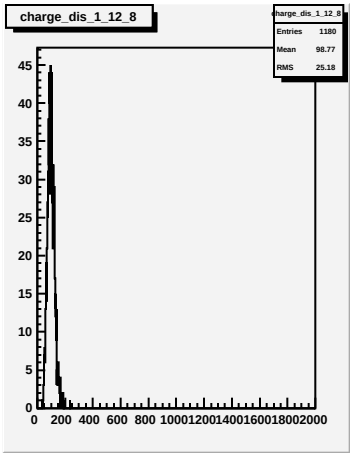
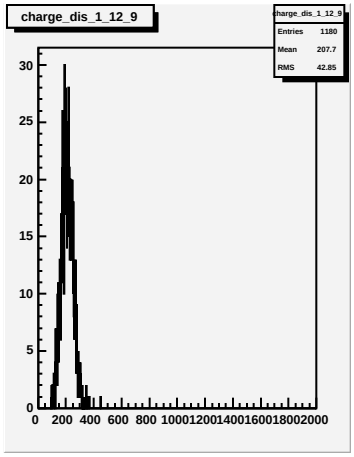
RMS 34.46


charge_dis_1_12_7
Entries 1180
Mean 227
RMS 39.9


charge_dis_1_12_8
Entries 1180
Mean 98.77
RMS 25.18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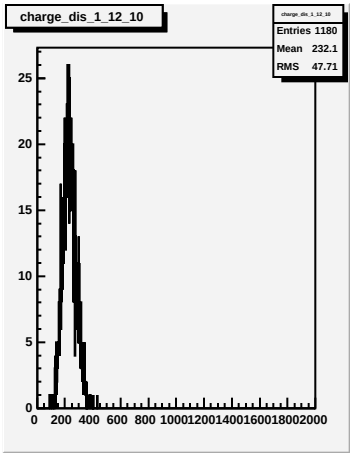
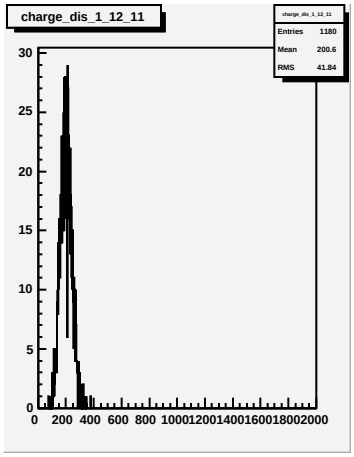
Entries 1180
Mean 207.7
RMS 42.85


charge_dis_1_12_10
Entries 1180
Mean 232.1
RMS 47.71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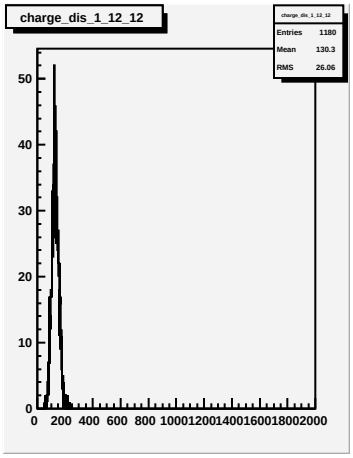
Entries 1180
Mean 200.6
RMS 41.84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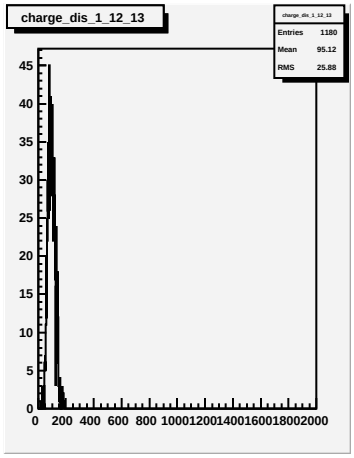
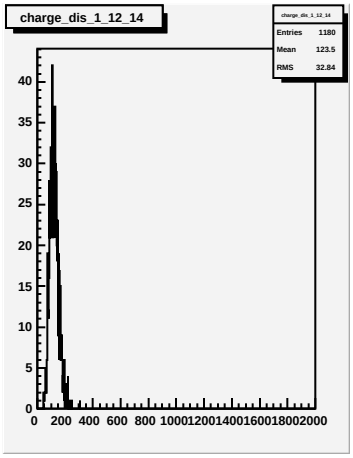
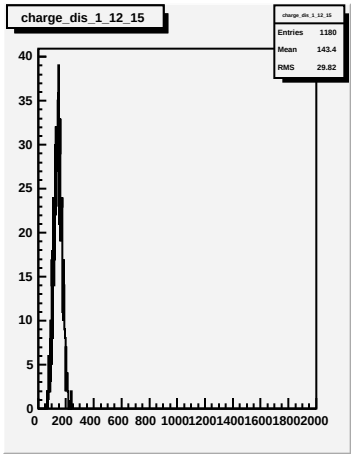
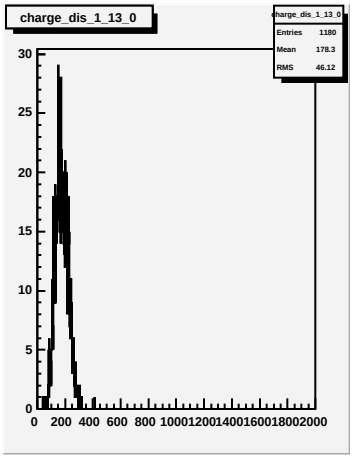
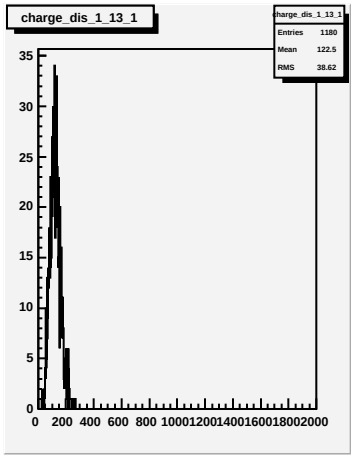
Entries 1180
Mean 130.3
RMS 26.06

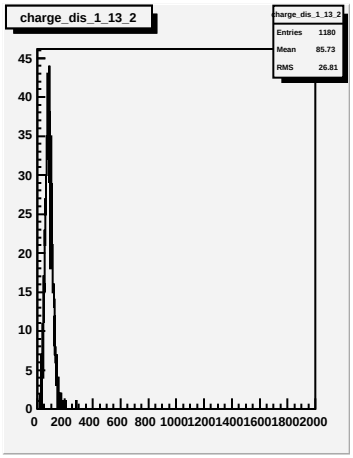

charge_dis_1_12_13
Entries 1180
Mean 95.12
RMS 25.88

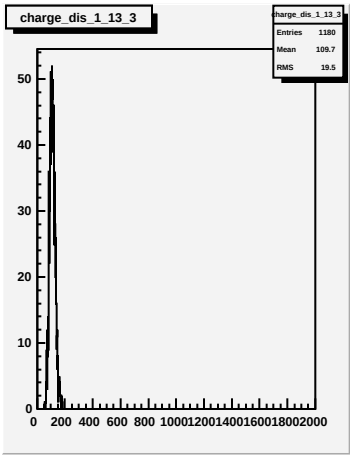

charge_dis_1_12_14
Entries 1180
Mean 123.5
RMS 32.84

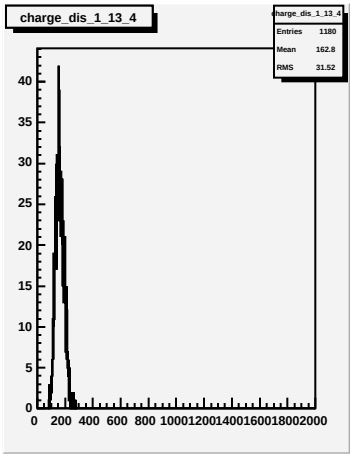

charge_dis_1_12_15
Entries 1180
Mean 143.4
RMS 29.82

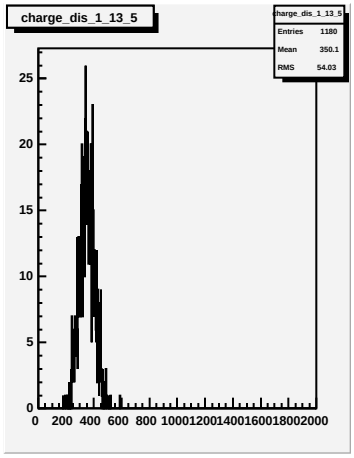

charge_dis_1_13_0
Entries 1180
Mean 178.3
RMS 46.12

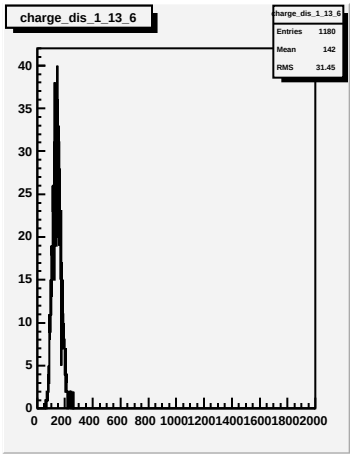

charge_dis_1_13_1
Entries 1180
Mean 122.5
RMS 38.62

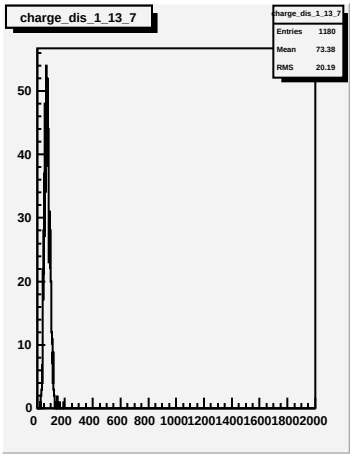

charge_dis_1_13_2
Entries 1180
Mean 85.73
RMS 26.81

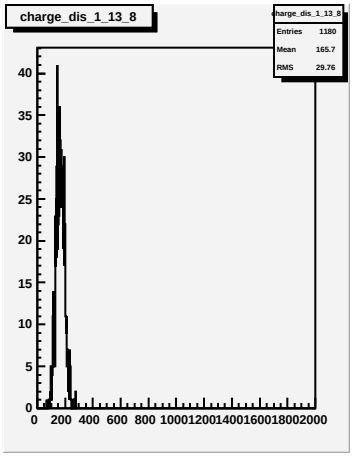

charge_dis_1_13_3
Entries 1180
Mean 109.7
RMS 19.5

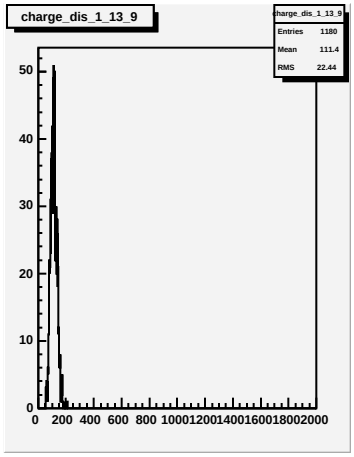

charge_dis_1_13_4
Entries 1180
Mean 162.8
RMS 31.52

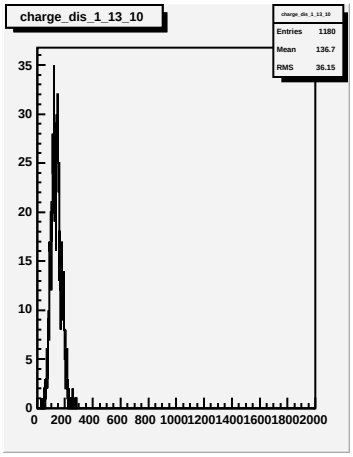

charge_dis_1_13_5
Entries 1180
Mean 350.1
RMS 54.03

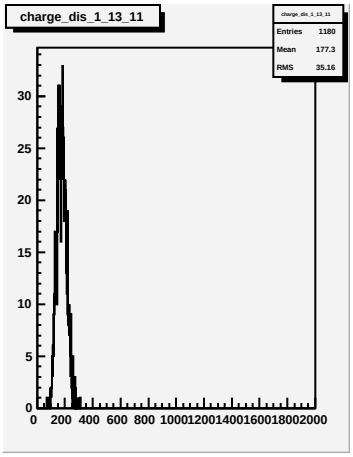

charge_dis_1_13_6
Entries 1180
Mean 142
RMS 31.45


charge_dis_1_13_7
Entries 1180
Mean 73.38
RMS 20.19


charge_dis_1_13_8
Entries 1180
Mean 165.7
RMS 29.76


charge_dis_1_13_9
Entries 1180
Mean 111.4
RMS 22.44


charge_dis_1_13_10
Entries 1180
Mean 136.7
RMS 36.15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Entries 1180
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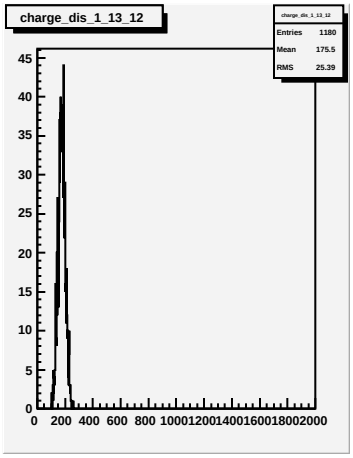
RMS 35.16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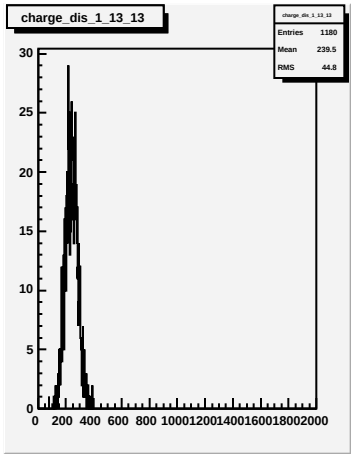
Entries 1180
Mean 175.5
RMS 25.39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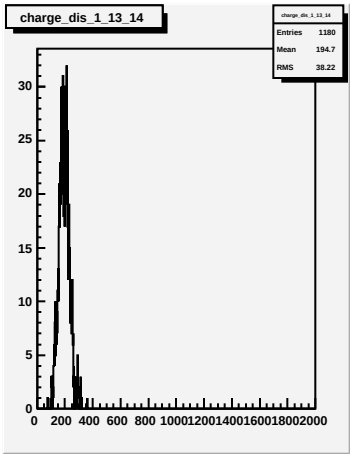
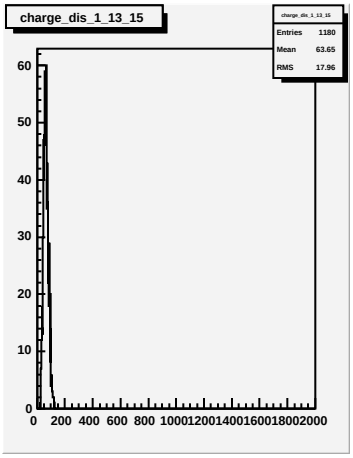
Entries 1180
Mean 239.5
RMS 44.8


charge_dis_1_13_14
Entries 1180
Mean 194.7
RMS 38.22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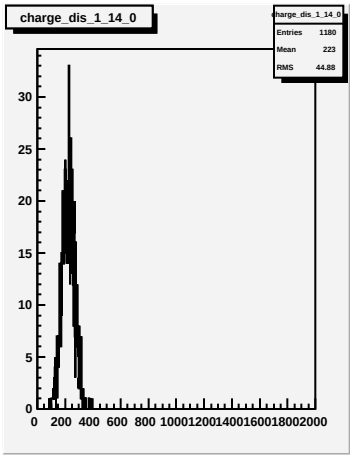
Entries 1180
Mean 63.65
RMS 17.96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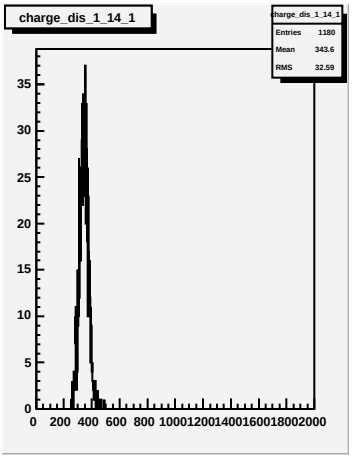
Entries 1180
Mean 223
RMS 44.88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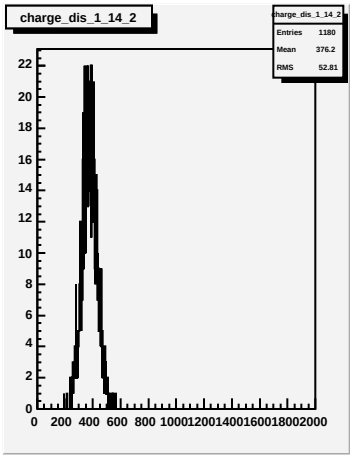
Mean 343.6
RMS 32.59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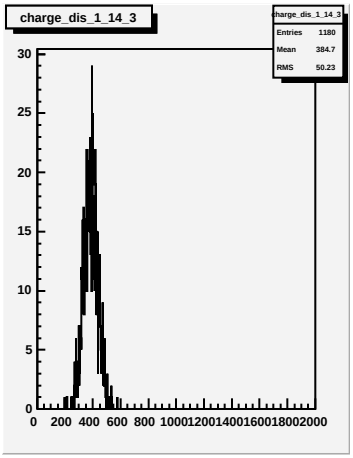
Entries 1180
Mean 376.2
RMS 52.81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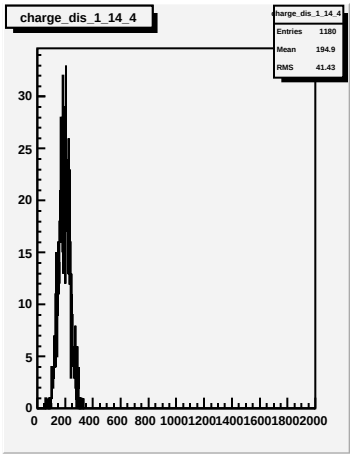
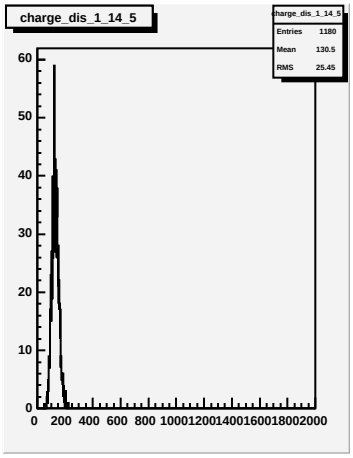
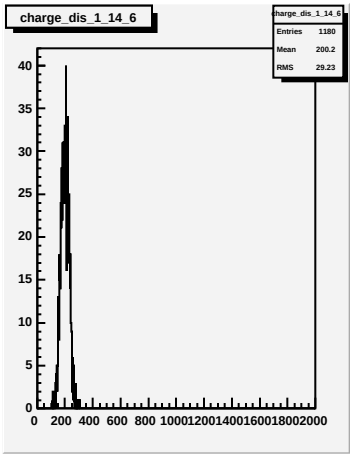
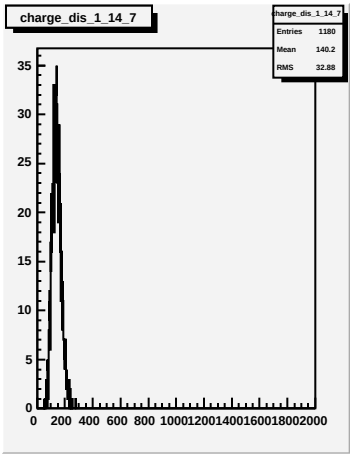
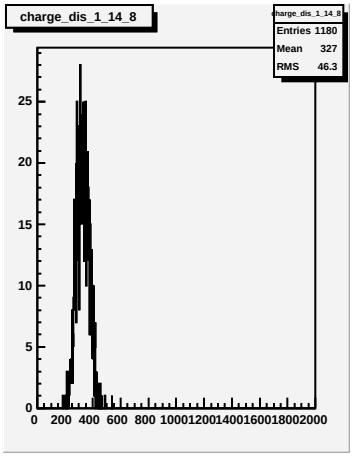
Entries 1180
Mean 384.7
RMS 50.23

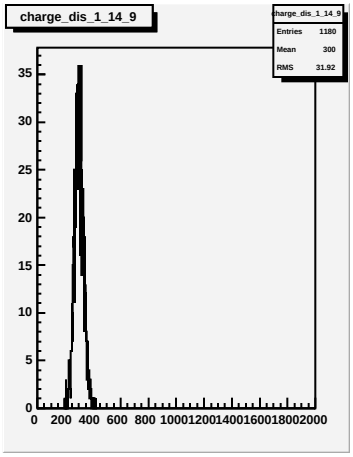

charge_dis_1_14_4
Entries 1180
Mean 194.9
RMS 41.43

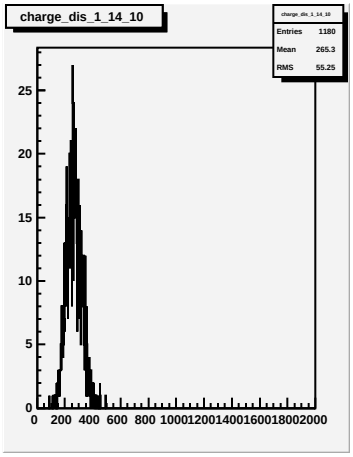

charge_dis_1_14_5
Entries 1180
Mean 130.5
RMS 25.45

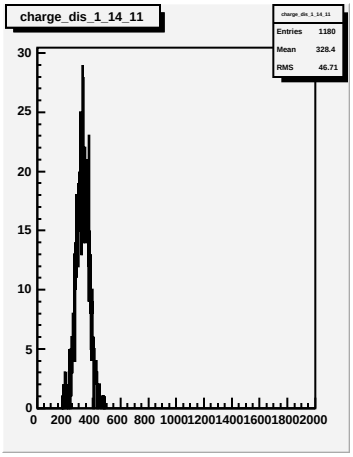

charge_dis_1_14_6
Entries 1180
Mean 200.2
RMS 29.23

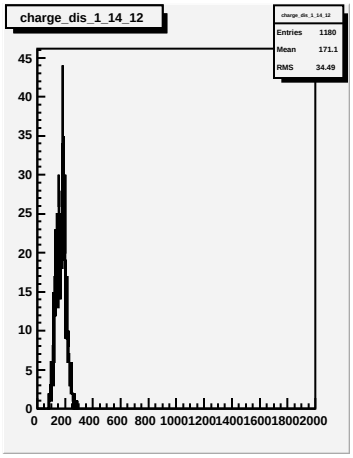

charge_dis_1_14_7
Entries 1180
Mean 140.2
RMS 32.88

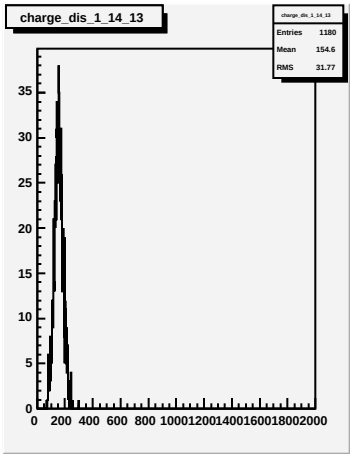

charge_dis_1_14_8
Entries 1180
Mean 327
RMS 46.3

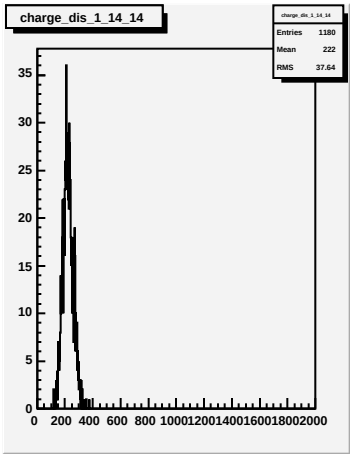

charge_dis_1_14_9
Entries 1180
Mean 300
RMS 31.92


charge_dis_1_14_10
Entries 1180
Mean 265.3
RMS 55.25


charge_dis_1_14_11
Entries 1180
Mean 328.4
RMS 46.71


charge_dis_1_14_12
Entries 1180
Mean 171.1
RMS 34.49


charge_dis_1_14_13
Entries 1180
Mean 154.6
RMS 31.77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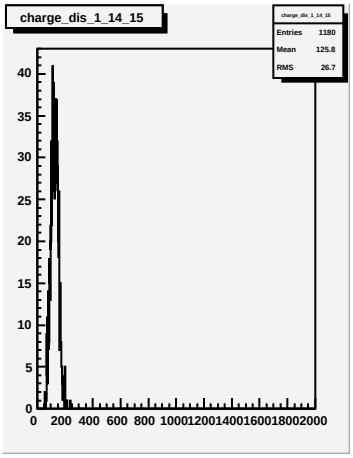
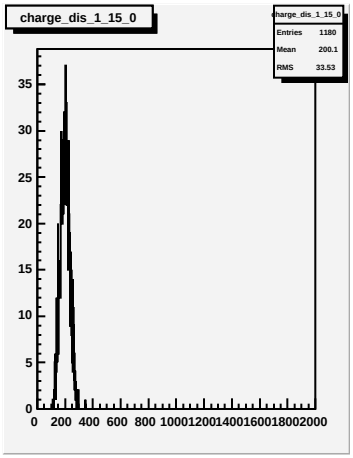
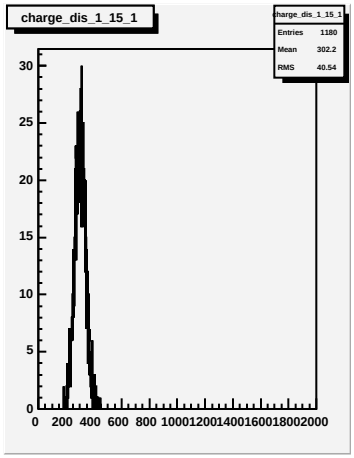
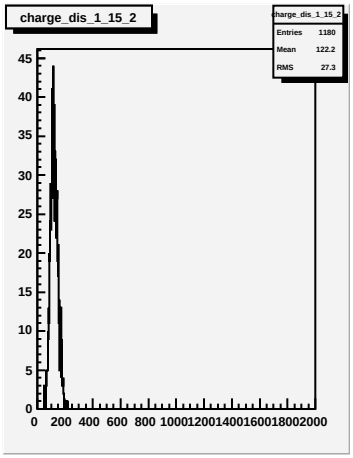
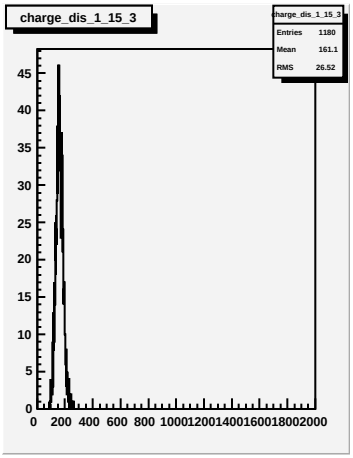
Mean 222
RMS 37.64

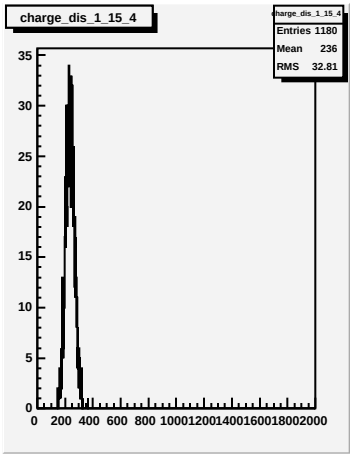

charge_dis_1_14_15
Entries 1180
Mean 125.8
RMS 26.7

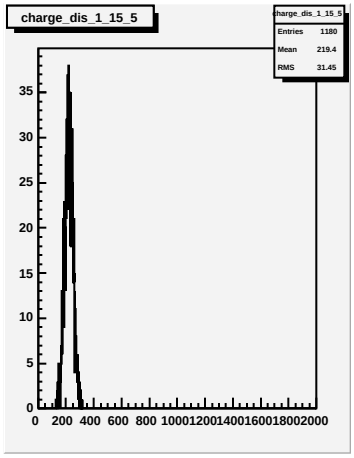

charge_dis_1_15_0
Entries 1180
Mean 200.1
RMS 33.53

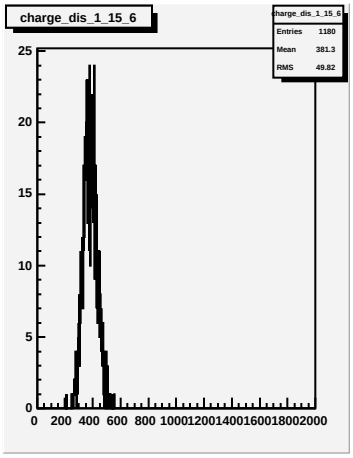

charge_dis_1_15_1
Entries 1180
Mean 302.2
RMS 40.54

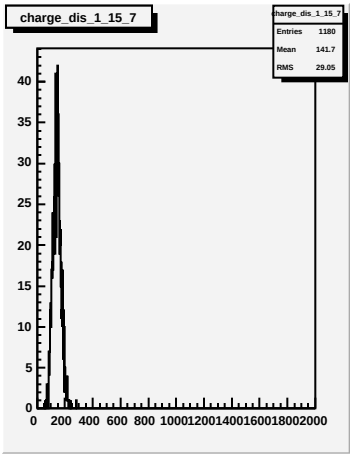

charge_dis_1_15_2
Entries 1180
Mean 122.2
RMS 27.3

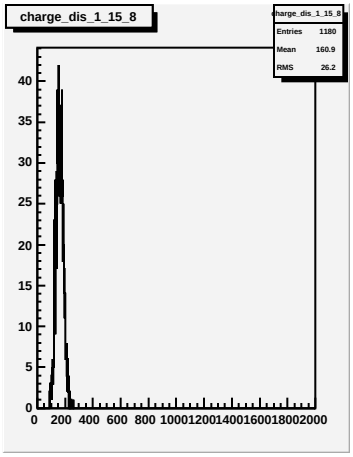

charge_dis_1_15_3
Entries 1180
Mean 161.1
RMS 26.52

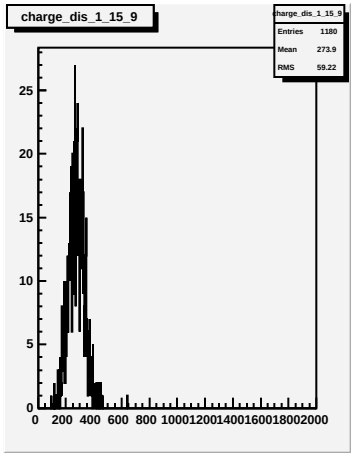

charge_dis_1_15_4
Entries 1180
Mean 236
RMS 32.81

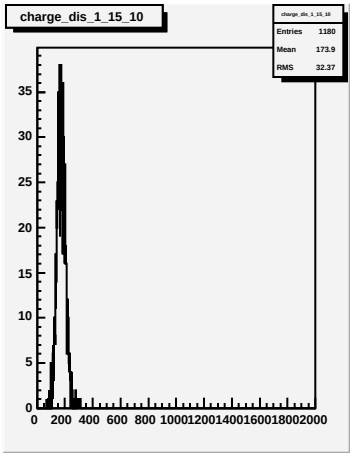

charge_dis_1_15_5
Entries 1180
Mean 219.4
RMS 31.45

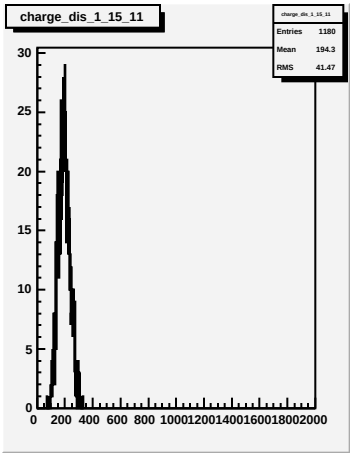

charge_dis_1_15_6
Entries 1180
Mean 381.3
RMS 49.82

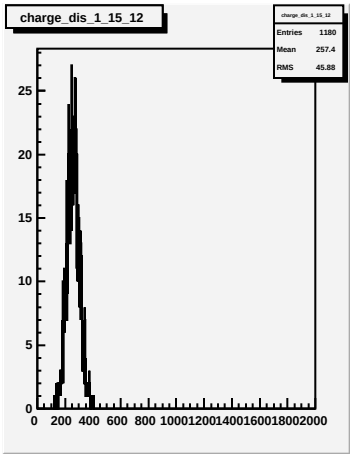

charge_dis_1_15_7
Entries 1180
Mean 141.7
RMS 29.05

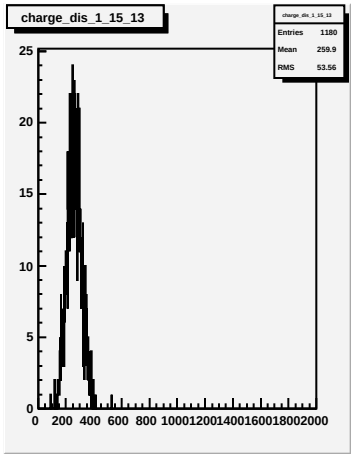

charge_dis_1_15_8
Entries 1180
Mean 160.9
RMS 26.2

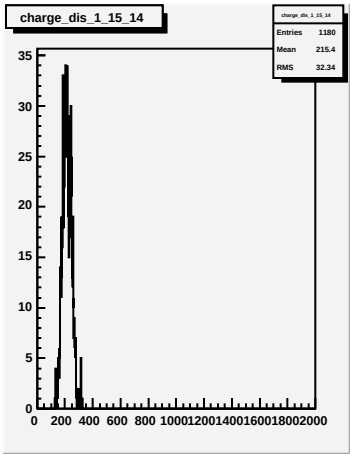

charge_dis_1_15_9
Entries 1180
Mean 273.9
RMS 59.22

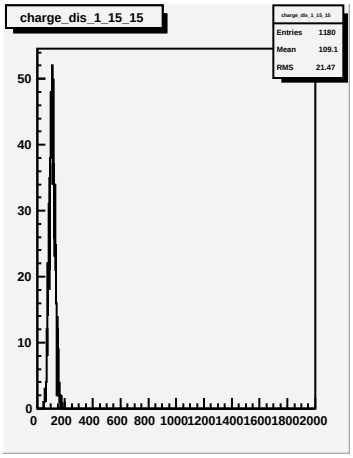

charge_dis_1_15_10
Entries 1180
Mean 173.9
RMS 32.37

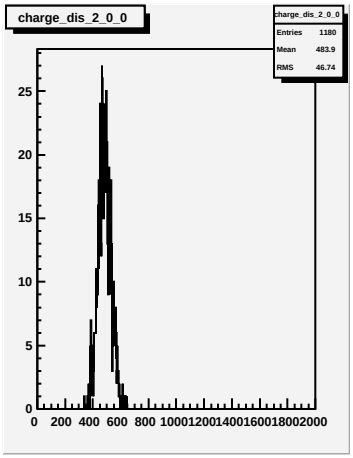

charge_dis_1_15_11
Entries 1180
Mean 194.3
RMS 41.47


charge_dis_1_15_12
Entries 1180
Mean 257.4
RMS 45.88


charge_dis_1_15_13
Entries 1180
Mean 259.9
RMS 53.56


charge_dis_1_15_14
Entries 1180
Mean 215.4
RMS 32.34


charge_dis_1_15_15
Entries 1180
Mean 109.1
RMS 21.47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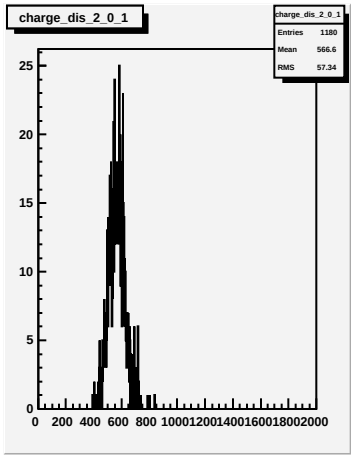
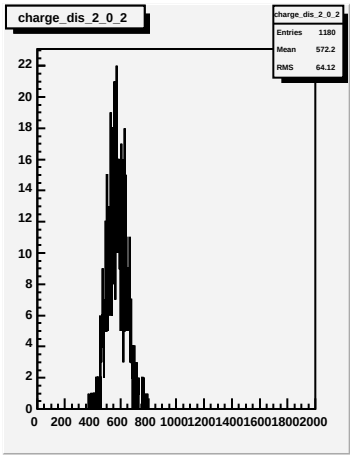
charge_dis_2_0_0
Entries 1180
Mean 483.9
RMS 46.74


charge_dis_2_0_1
charge_dis_2_0_1
Entries 1180
Mean 566.6
RMS 57.34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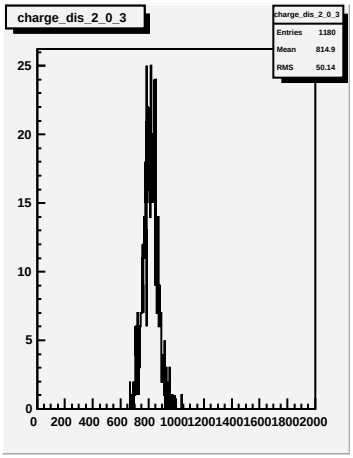
charge_dis_2_0_2
Entries 1180
Mean 572.2
RMS 64.12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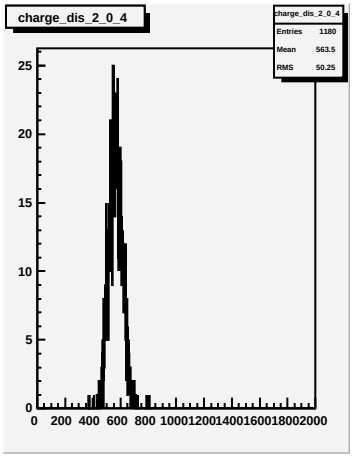
charge_dis_2_0_3
Entries 1180
Mean 814.9
RMS 50.14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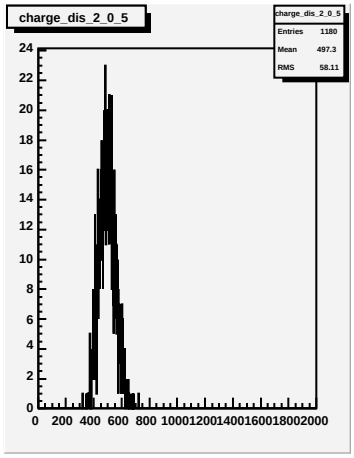
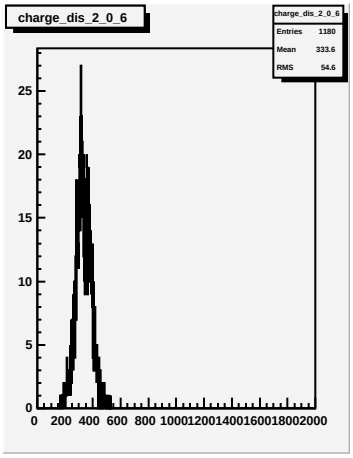
charge_dis_2_0_4
Entries 1180
Mean 563.5
RMS 50.25


charge_dis_2_0_5
charge_dis_2_0_5
Entries 1180
Mean 497.3
RMS 58.11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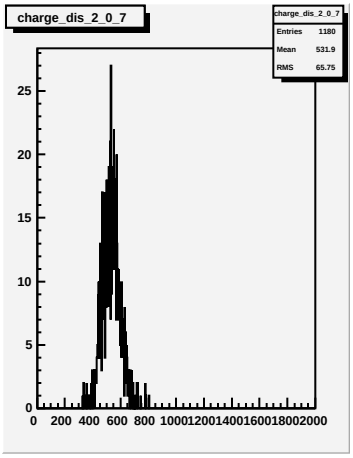
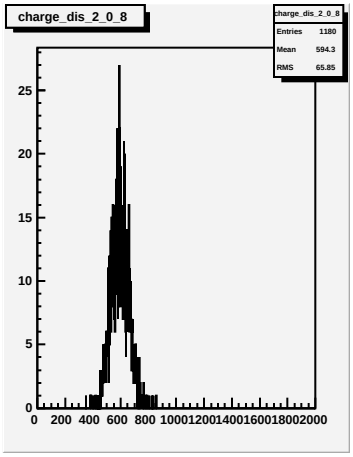
charge_dis_2_0_6
Entries 1180
Mean 333.6
RMS 54.6


charge_dis_2_0_7
charge_dis_2_0_7
Entries 1180
Mean 531.9
RMS 65.75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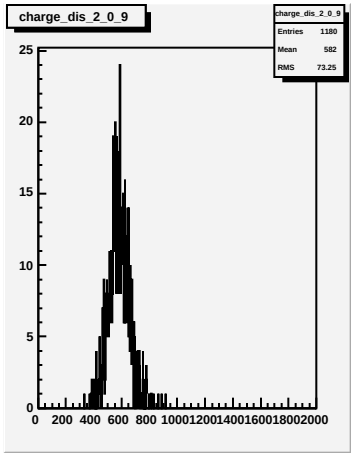
Entries 1180
Mean 594.3
RMS 65.85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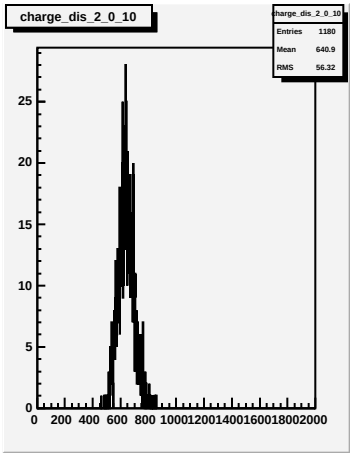
charge_dis_2_0_9
Entries 1180
Mean 582
RMS 73.25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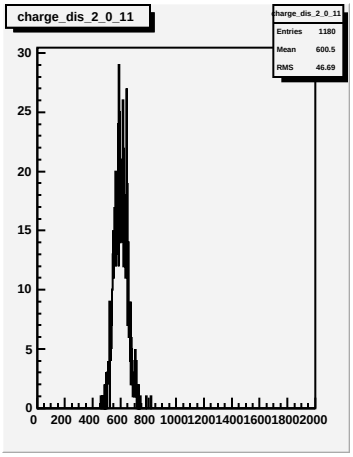
Entries 1180
Mean 640.9
RMS 56.32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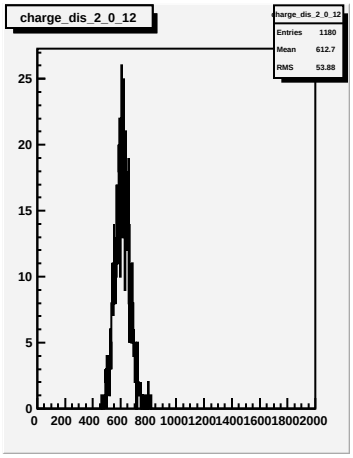
charge_dis_2_0_11
Entries 1180
Mean 600.5
RMS 46.69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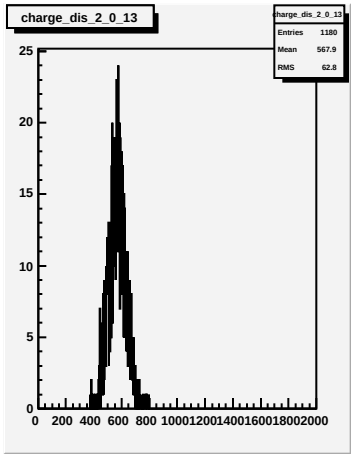
Entries 1180
Mean 612.7
RMS 53.88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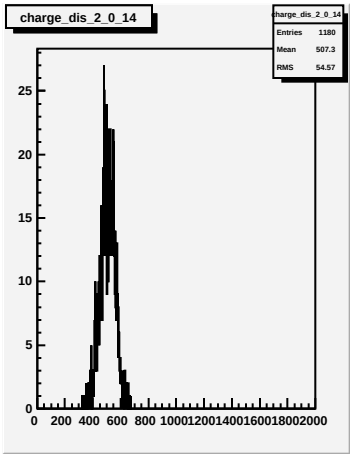
charge_dis_2_0_13
Entries 1180
Mean 567.9
RMS 62.8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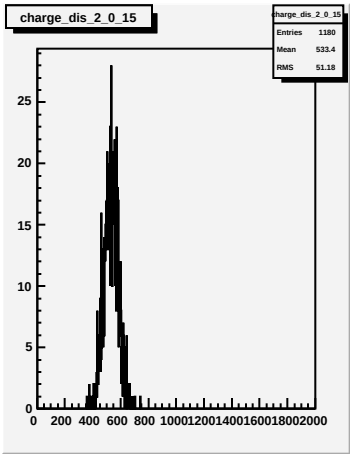
charge_dis_2_0_14
Entries 1180
Mean 507.3
RMS 54.57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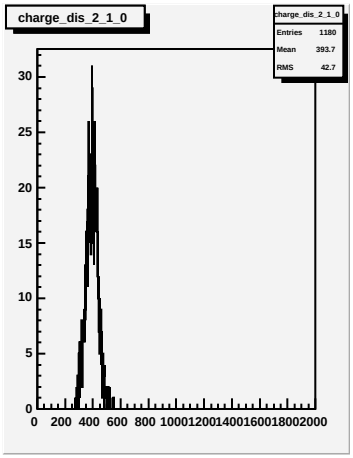
Entries 1180
Mean 533.4
RMS 51.18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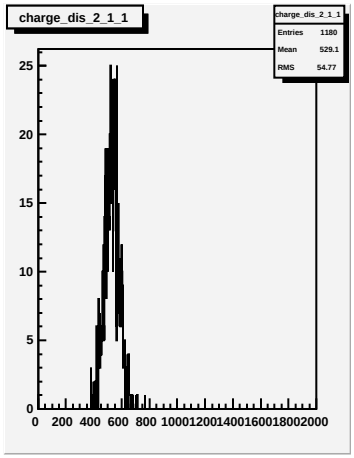
charge_dis_2_1_0
Entries 1180
Mean 393.7
RMS 42.7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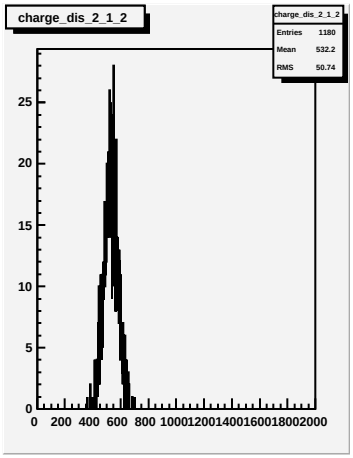
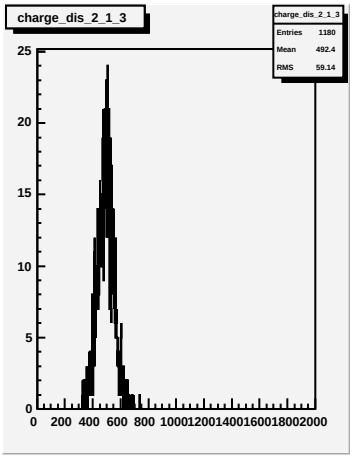
charge_dis_2_1_1
Entries 1180
Mean 529.1
RMS 54.77


charge_dis_2_1_2
charge_dis_2_1_2
Entries 1180
Mean 532.2
RMS 50.74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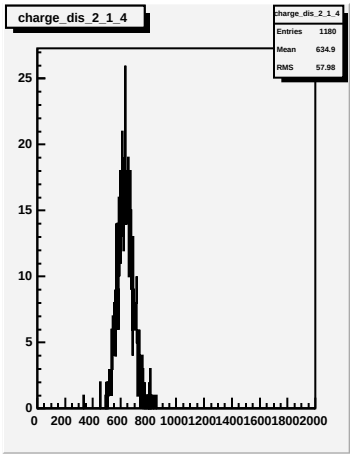
Entries 1180
Mean 492.4
RMS 59.14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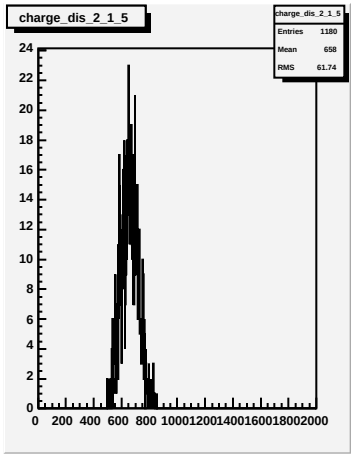
Entries 1180
Mean 634.9
RMS 57.98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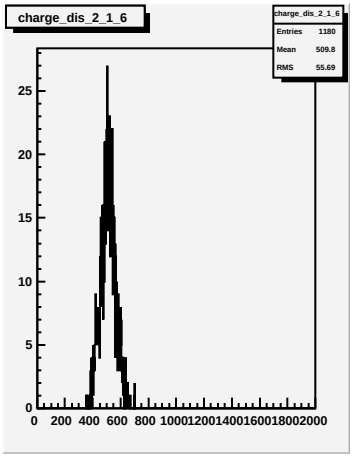
charge_dis_2_1_5
Entries 1180
Mean 658
RMS 61.74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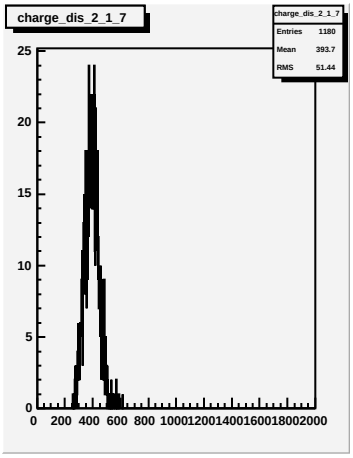
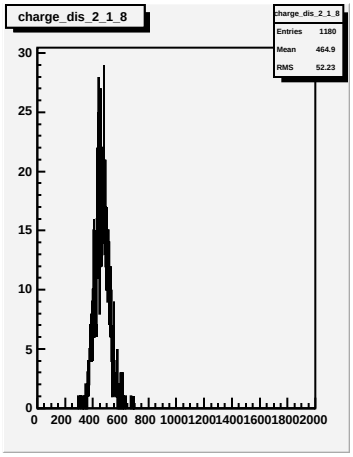
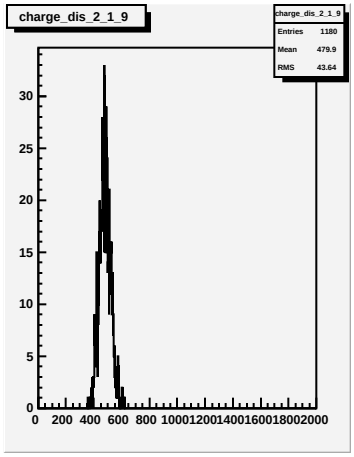
Mean 509.8
RMS 55.69


charge_dis_2_1_7
charge_dis_2_1_7
Entries 1180
Mean 393.7
RMS 51.44


charge_dis_2_1_8
charge_dis_2_1_8
Entries 1180
Mean 464.9
RMS 52.23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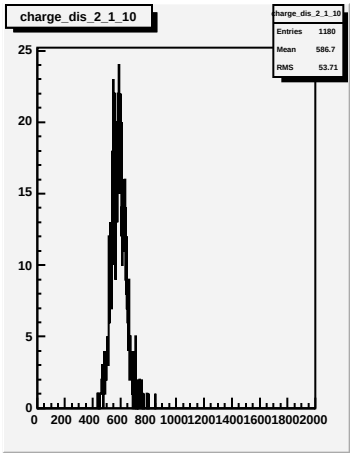
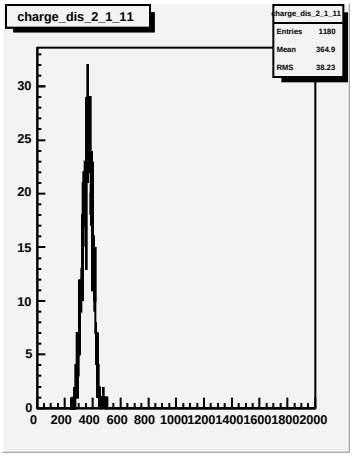
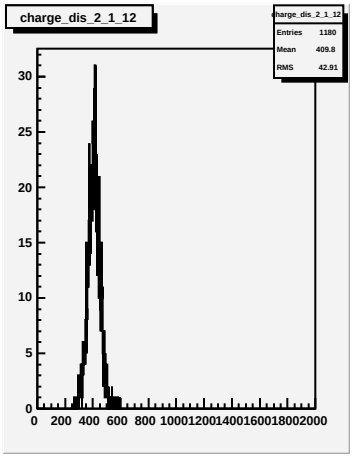
charge_dis_2_1_9
Entries 1180
Mean 479.9
RMS 43.64


charge_dis_2_1_10
charge_dis_2_1_10
Entries 1180
Mean 586.7
RMS 53.71


charge_dis_2_1_11
charge_dis_2_1_11
Entries 1180
Mean 364.9
RMS 38.23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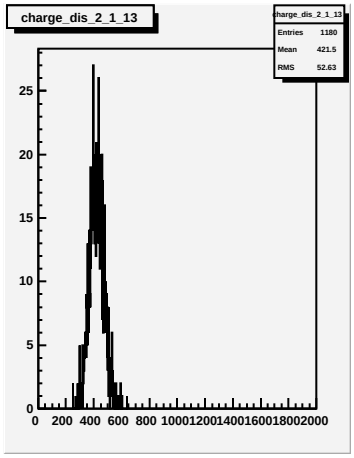
Entries 1180
Mean 409.8
RMS 42.91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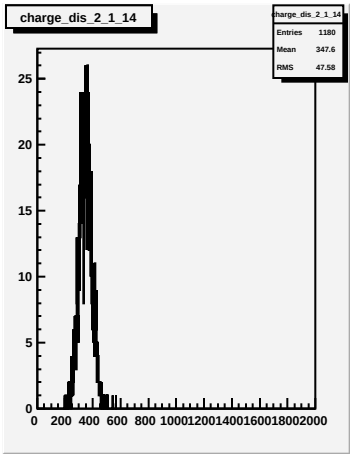
charge_dis_2_1_13
Entries 1180
Mean 421.5
RMS 52.63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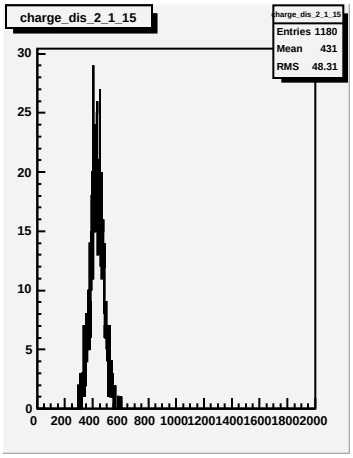
Entries 1180
Mean 347.6
RMS 47.58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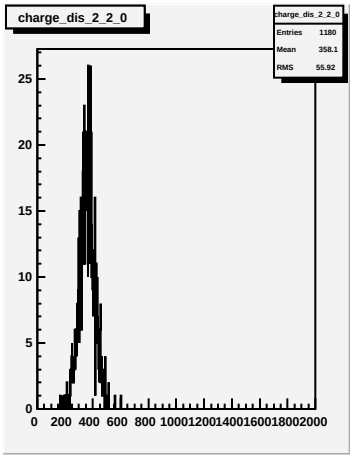
charge_dis_2_1_15
Entries 1180
Mean 431
RMS 48.31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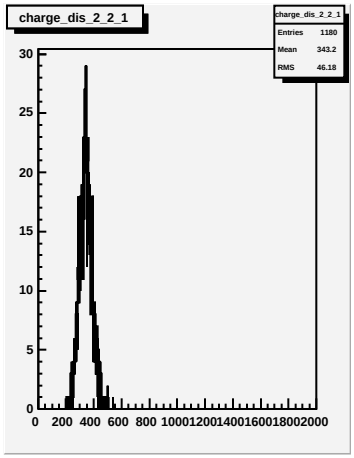
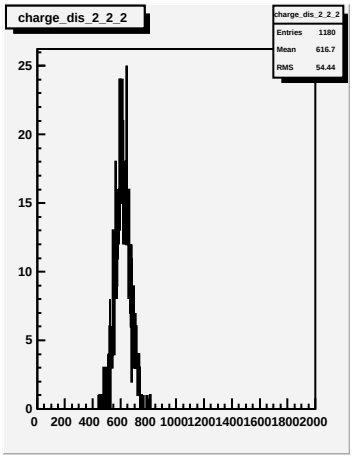
charge_dis_2_2_0
Entries 1180
Mean 358.1
RMS 55.92


charge_dis_2_2_1
charge_dis_2_2_1
Entries 1180
Mean 343.2
RMS 46.18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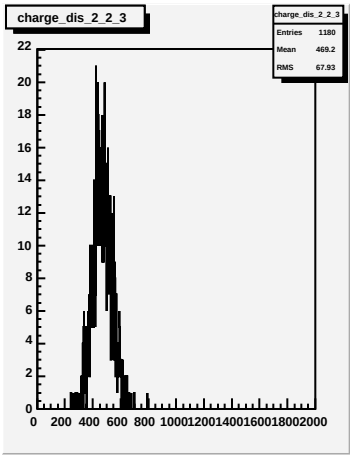
charge_dis_2_2_2
Entries 1180
Mean 616.7
RMS 54.44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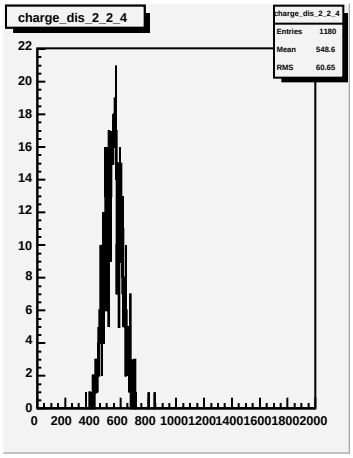
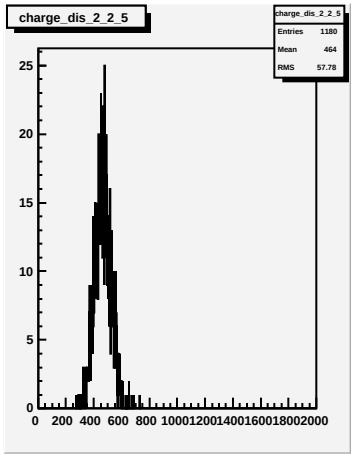
charge_dis_2_2_3
Entries 1180
Mean 469.2
RMS 67.93


charge_dis_2_2_4
charge_dis_2_2_4
Entries 1180
Mean 548.6
RMS 60.65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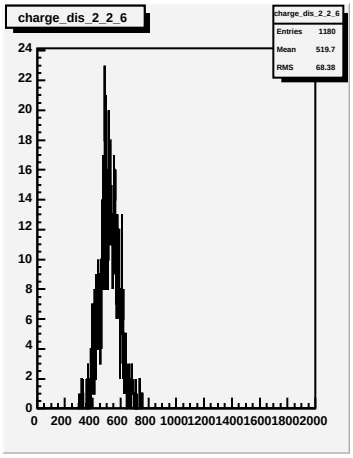
charge_dis_2_2_5
Entries 1180
Mean 464
RMS 57.78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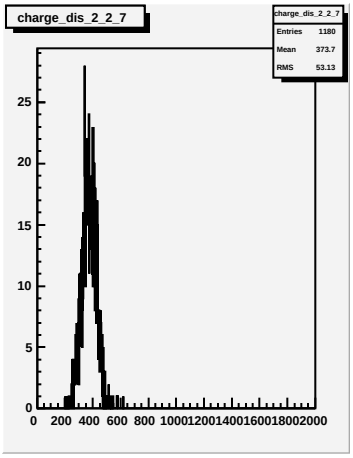
charge_dis_2_2_6
Entries 1180
Mean 519.7
RMS 68.38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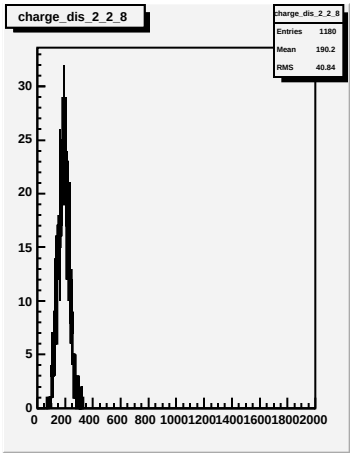
charge_dis_2_2_7
Entries 1180
Mean 373.7
RMS 53.13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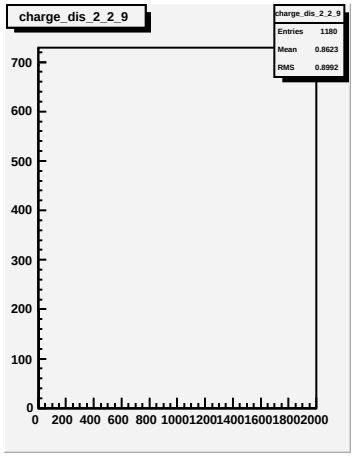
charge_dis_2_2_8
Entries 1180
Mean 190.2
RMS 40.84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charge_dis_2_2_9
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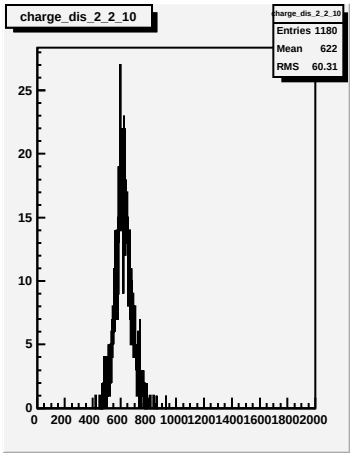
RMS 0.8992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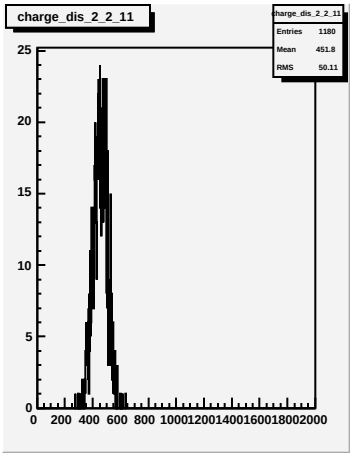
Entries 1180
Mean 622
RMS 60.31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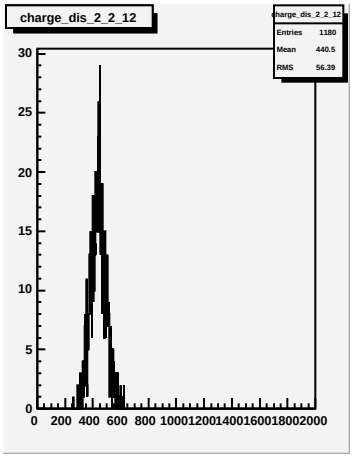
charge_dis_2_2_11
Entries 1180
Mean 451.8
RMS 50.11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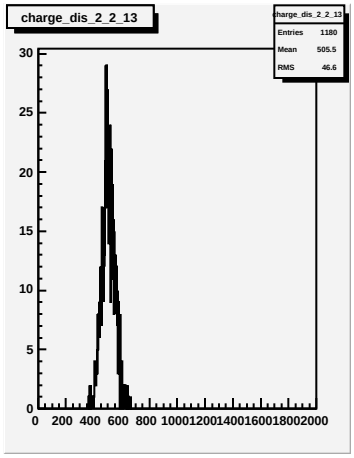
Entries 1180
Mean 440.5
RMS 56.39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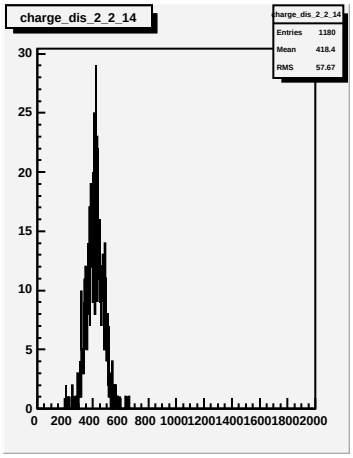
Entries 1180
Mean 505.5
RMS 46.6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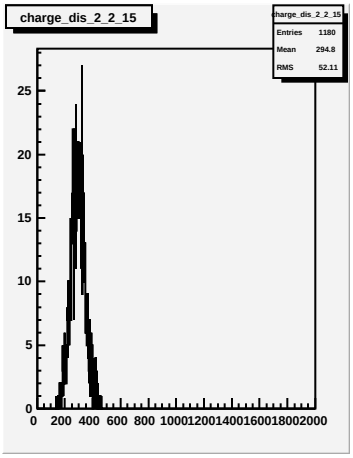
Entries 1180
Mean 418.4
RMS 57.67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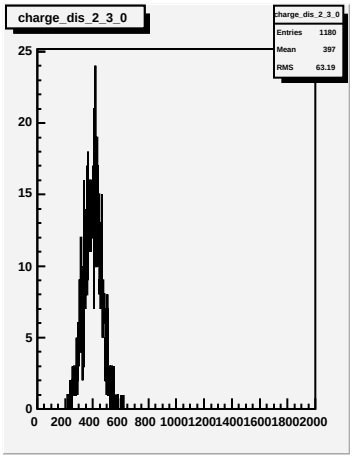
Entries 1180
Mean 294.8
RMS 52.11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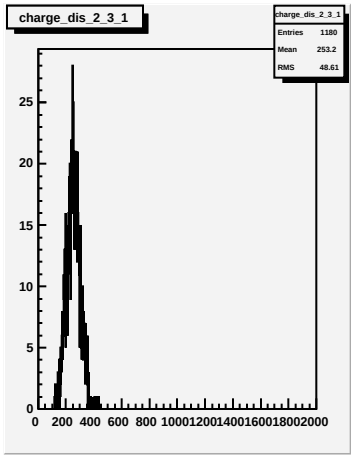
charge_dis_2_3_0
Entries 1180
Mean 397
RMS 63.19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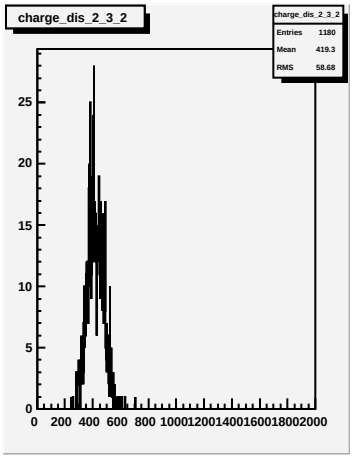
charge_dis_2_3_1
Entries 1180
Mean 253.2
RMS 48.61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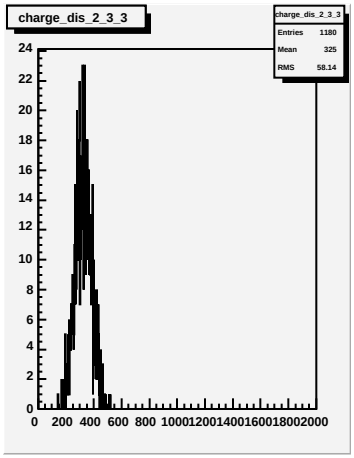
charge_dis_2_3_2
Entries 1180
Mean 419.3
RMS 58.68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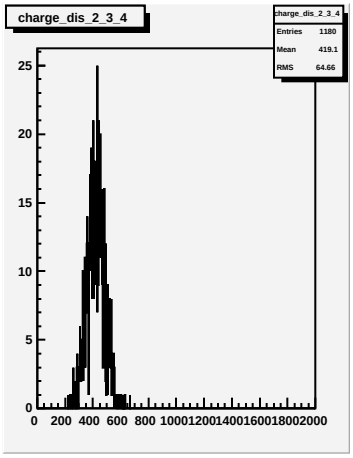
charge_dis_2_3_3
Entries 1180
Mean 325
RMS 58.14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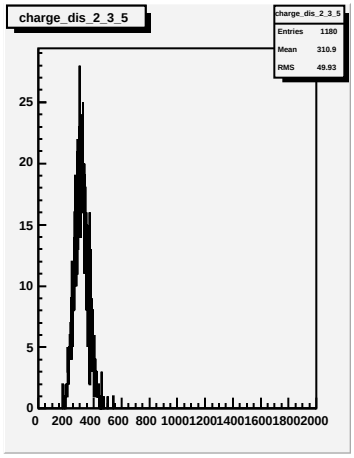
Entries 1180
Mean 419.1
RMS 64.66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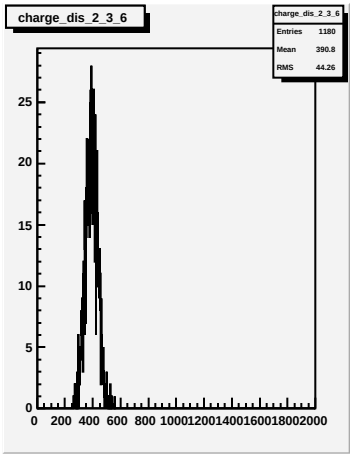
charge_dis_2_3_5
Entries 1180
Mean 310.9
RMS 49.93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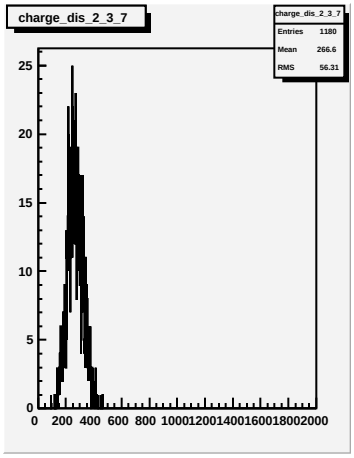
Entries 1180
Mean 390.8
RMS 44.26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charge_dis_2_3_7
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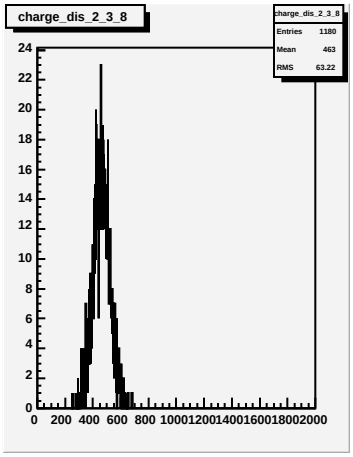
Mean 266.6
RMS 56.31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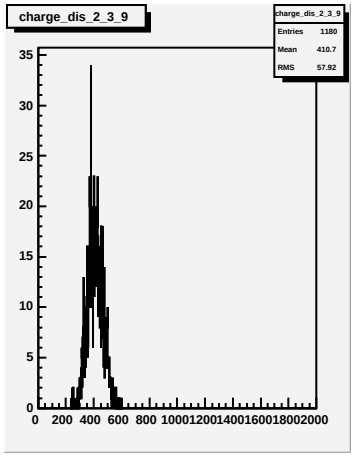
charge_dis_2_3_8
Entries 1180
Mean 463
RMS 63.22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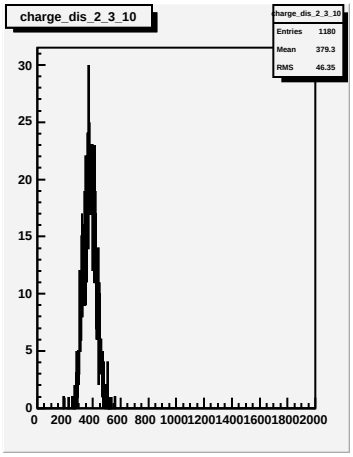
charge_dis_2_3_9
Entries 1180
Mean 410.7
RMS 57.92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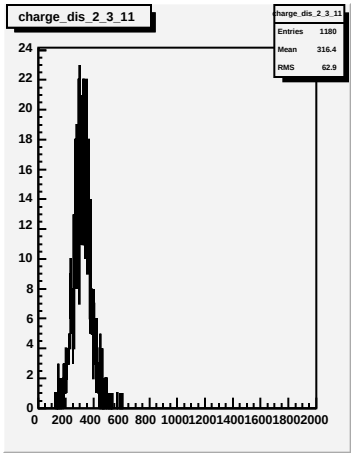
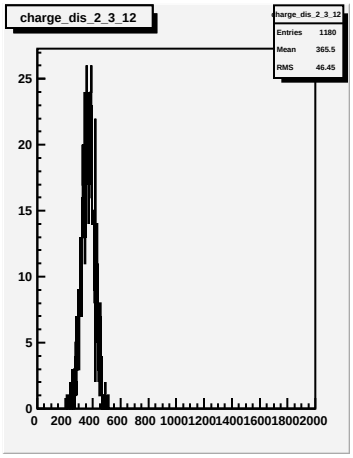
Entries 1180
Mean 379.3
RMS 46.35


charge_dis_2_3_11
charge_dis_2_3_11
Entries 1180
Mean 316.4
RMS 62.9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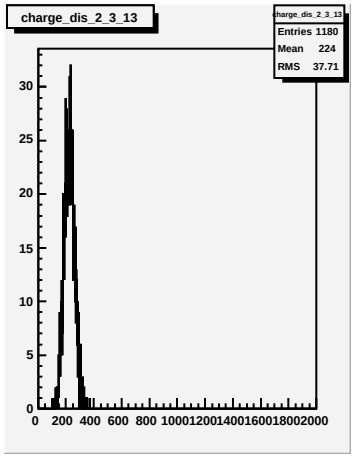
Entries 1180
Mean 365.5
RMS 46.45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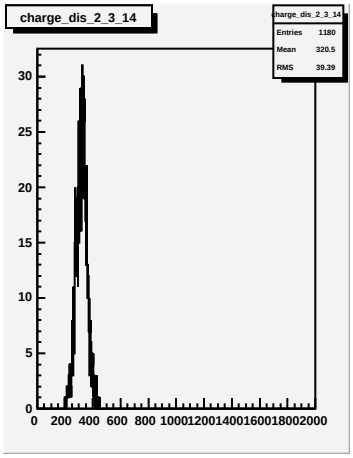
Entries 1180
Mean 224
RMS 37.71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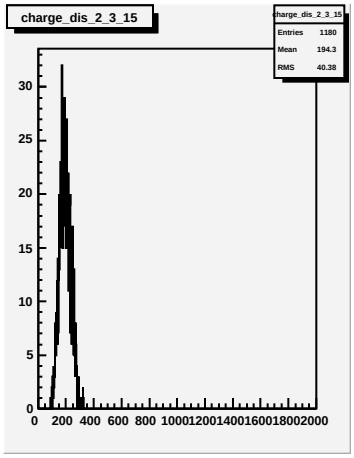
Entries 1180
Mean 320.5
RMS 39.39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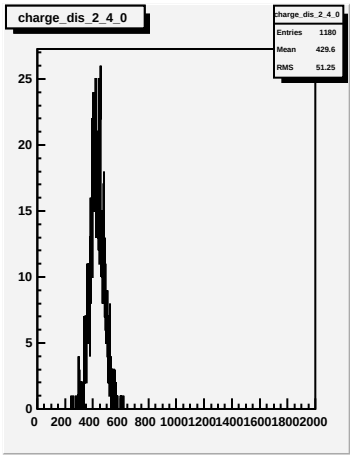
charge_dis_2_3_15
Entries 1180
Mean 194.3
RMS 40.38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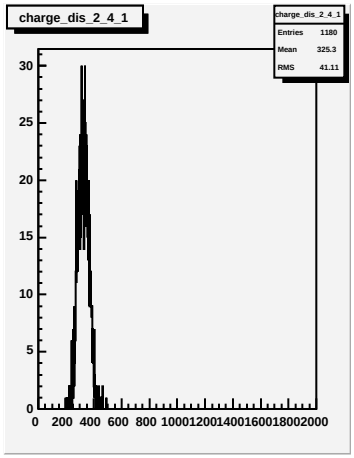
Entries 1180
Mean 429.6
RMS 51.25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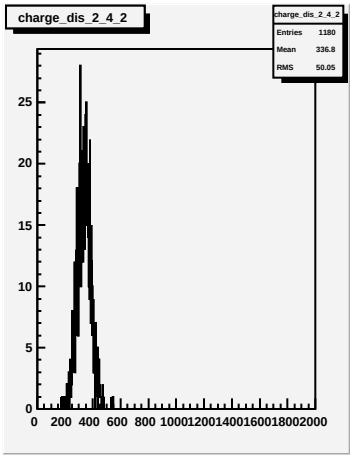
charge_dis_2_4_1
Entries 1180
Mean 325.3
RMS 41.11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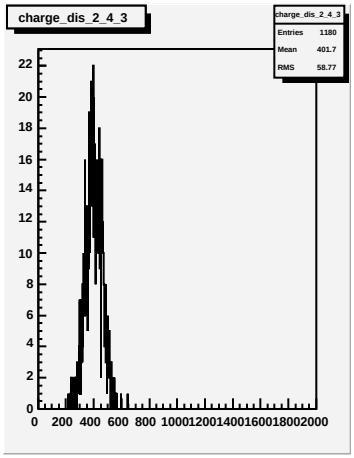
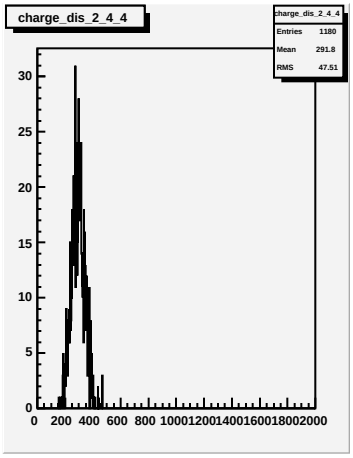
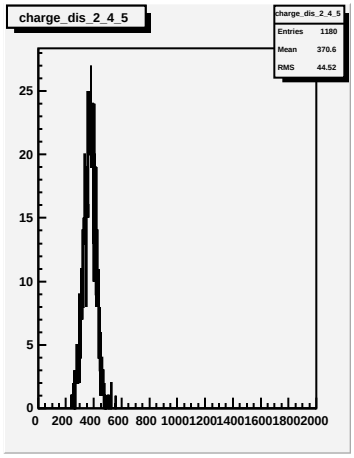
Entries 1180
Mean 336.8
RMS 50.05


charge_dis_2_4_3
charge_dis_2_4_3
Entries 1180
Mean 401.7
RMS 58.77


charge_dis_2_4_4
charge_dis_2_4_4
Entries 1180
Mean 291.8
RMS 47.51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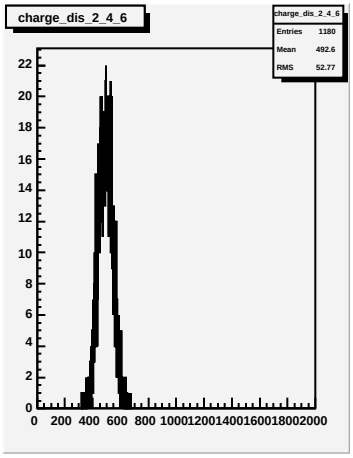
charge_dis_2_4_5
Entries 1180
Mean 370.6
RMS 44.52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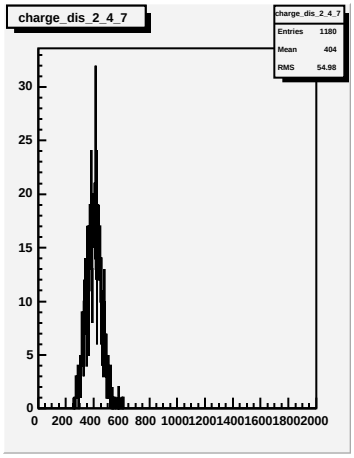
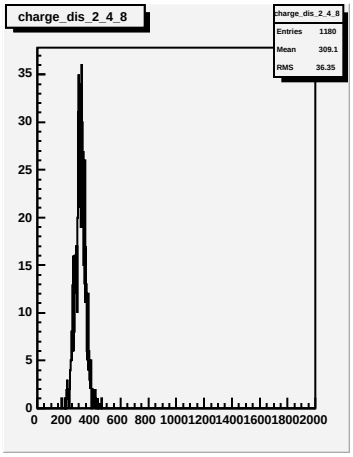
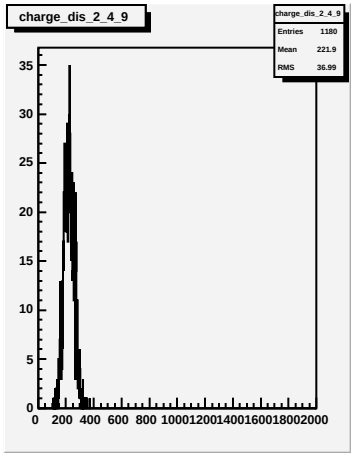
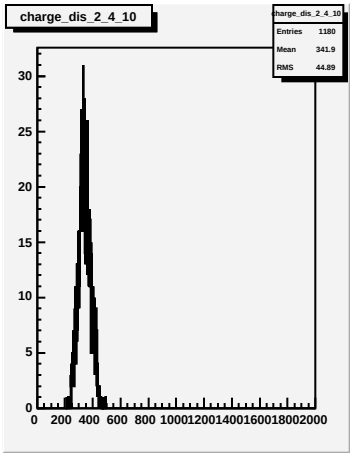
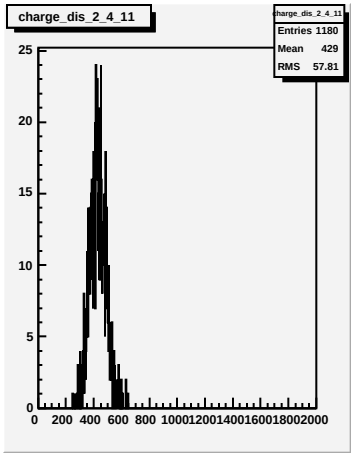
charge_dis_2_4_6
Entries 1180
Mean 492.6
RMS 52.77

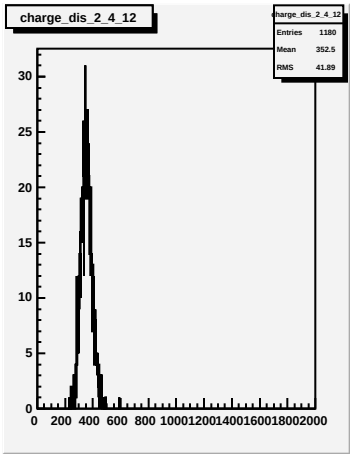

charge_dis_2_4_7
charge_dis_2_4_7
Entries 1180
Mean 404
RMS 54.98

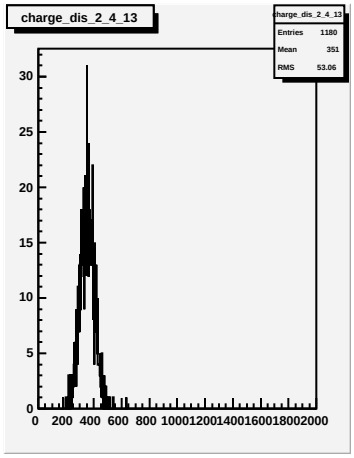

charge_dis_2_4_8
charge_dis_2_4_8
Entries 1180
Mean 309.1
RMS 36.35


charge_dis_2_4_9
charge_dis_2_4_9
Entries 1180
Mean 221.9
RMS 36.99


charge_dis_2_4_10
charge_dis_2_4_10
Entries 1180
Mean 341.9
RMS 44.89


charge_dis_2_4_11
charge_dis_2_4_11
Entries 1180
Mean 429
RMS 57.81


charge_dis_2_4_12
charge_dis_2_4_12
Entries 1180
Mean 352.5
RMS 41.89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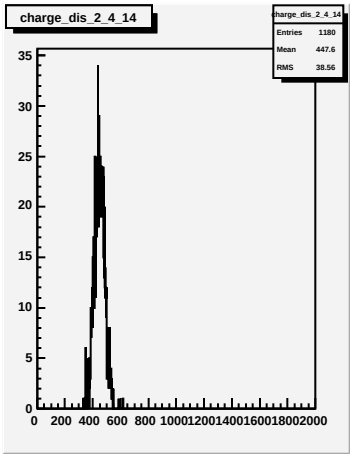
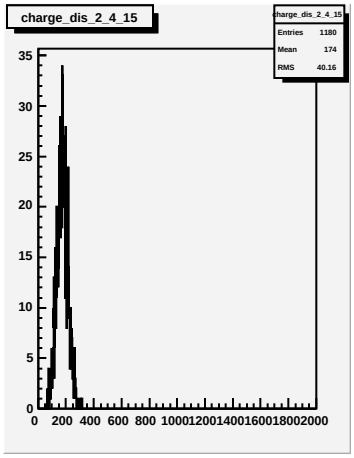
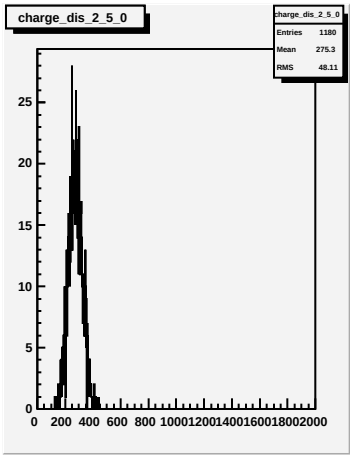
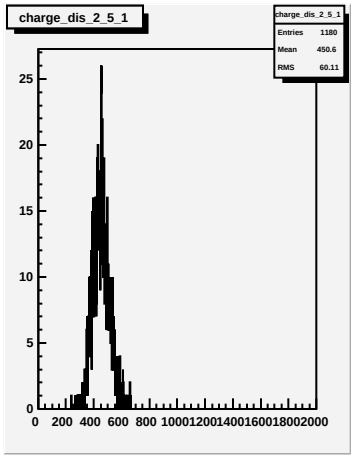
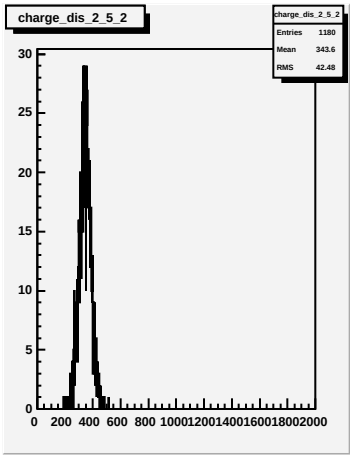
charge_dis_2_4_13
Entries 1180
Mean 351
RMS 53.06

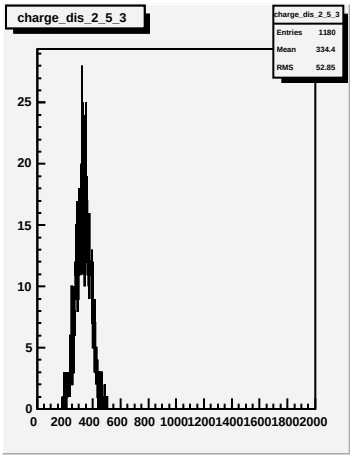

charge_dis_2_4_14
charge_dis_2_4_14
Entries 1180
Mean 447.6
RMS 38.56


charge_dis_2_4_15
charge_dis_2_4_15
Entries 1180
Mean 174
RMS 40.16


charge_dis_2_5_0
charge_dis_2_5_0
Entries 1180
Mean 275.3
RMS 48.11


charge_dis_2_5_1
charge_dis_2_5_1
Entries 1180
Mean 450.6
RMS 60.11


charge_dis_2_5_2
charge_dis_2_5_2
Entries 1180
Mean 343.6
RMS 42.48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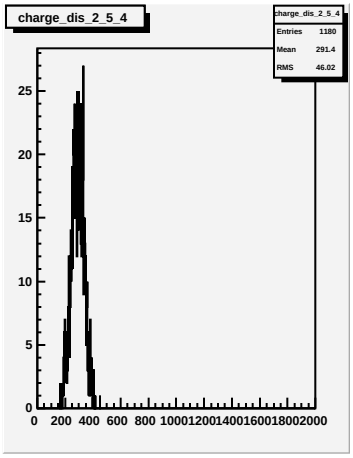
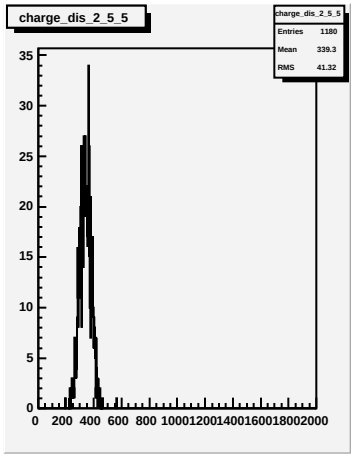
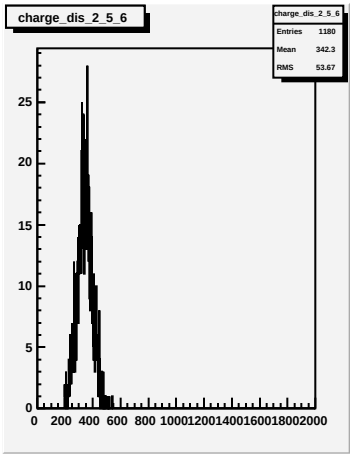
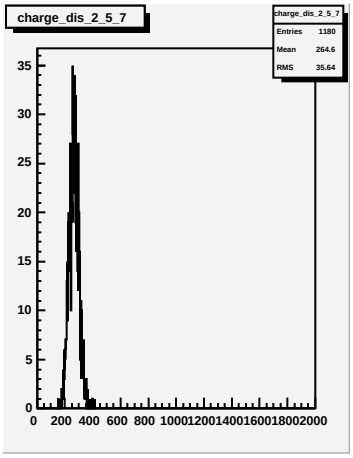
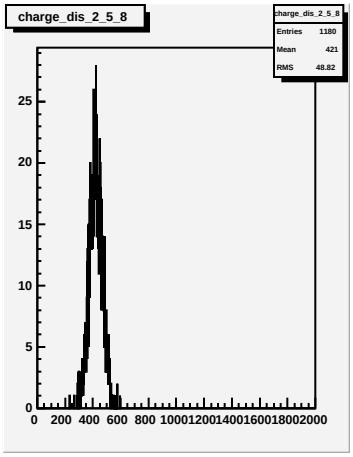
charge_dis_2_5_3
Entries 1180
Mean 334.4
RMS 52.85

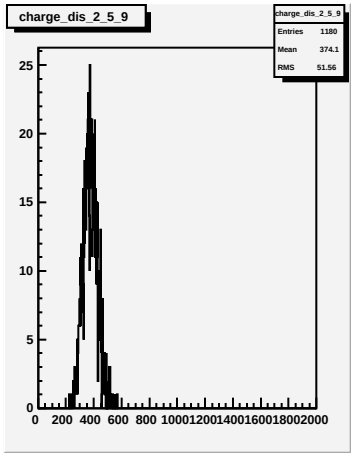

charge_dis_2_5_4
charge_dis_2_5_4
Entries 1180
Mean 291.4
RMS 46.02


charge_dis_2_5_5
charge_dis_2_5_5
Entries 1180
Mean 339.3
RMS 41.32


charge_dis_2_5_6
charge_dis_2_5_6
Entries 1180
Mean 342.3
RMS 53.67


charge_dis_2_5_7
charge_dis_2_5_7
Entries 1180
Mean 264.6
RMS 35.64


charge_dis_2_5_8
charge_dis_2_5_8
Entries 1180
Mean 421
RMS 48.82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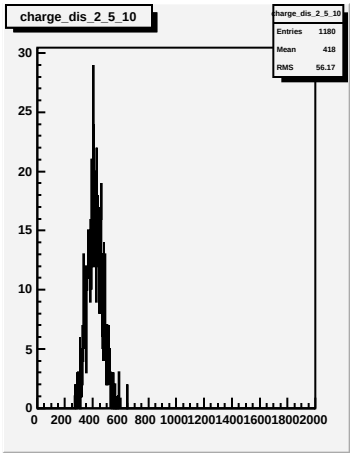
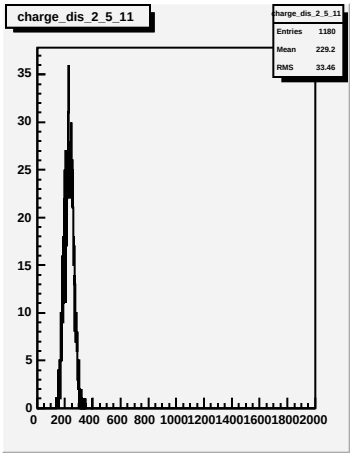
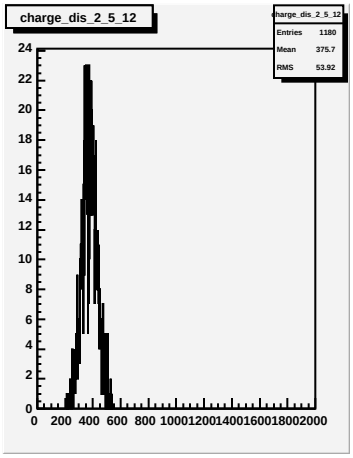
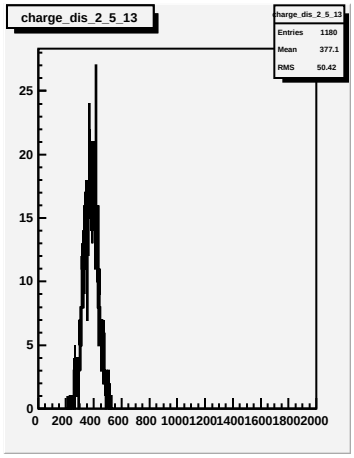
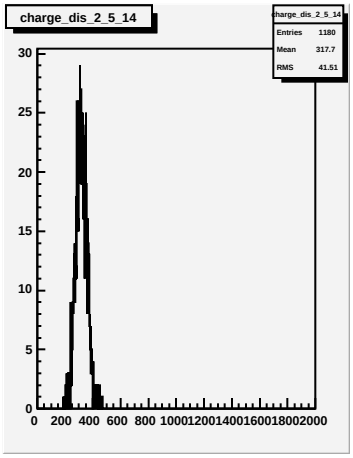
charge_dis_2_5_9
Entries 1180
Mean 374.1
RMS 51.56

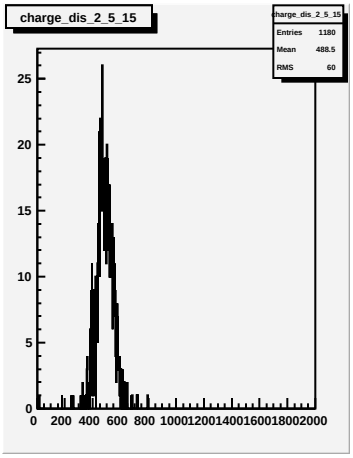

charge_dis_2_5_10
charge_dis_2_5_10
Entries 1180
Mean 418
RMS 56.17

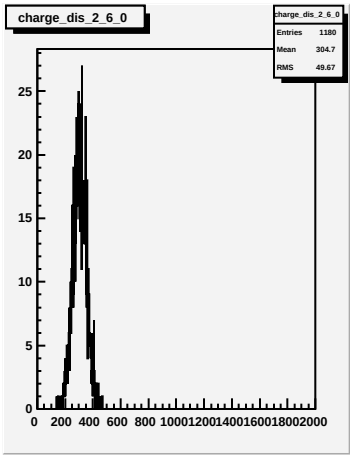

charge_dis_2_5_11
charge_dis_2_5_11
Entries 1180
Mean 229.2
RMS 33.46

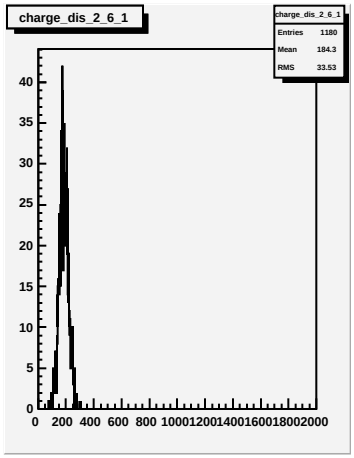

charge_dis_2_5_12
charge_dis_2_5_12
Entries 1180
Mean 375.7
RMS 53.92

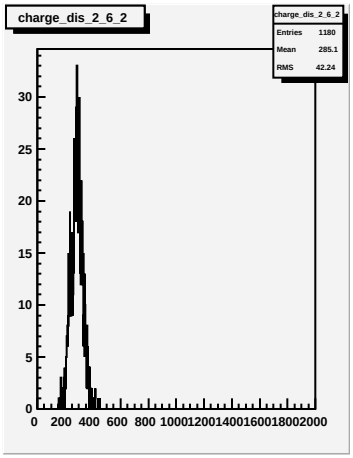

charge_dis_2_5_13
charge_dis_2_5_13
Entries 1180
Mean 377.1
RMS 50.42

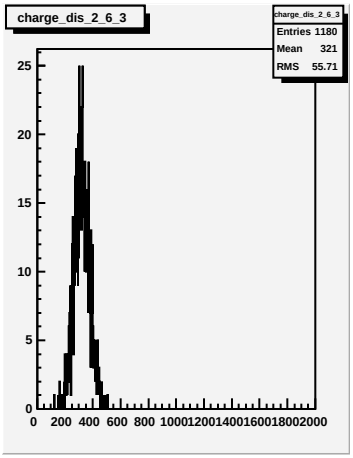

charge_dis_2_5_14
charge_dis_2_5_14
Entries 1180
Mean 317.7
RMS 41.51

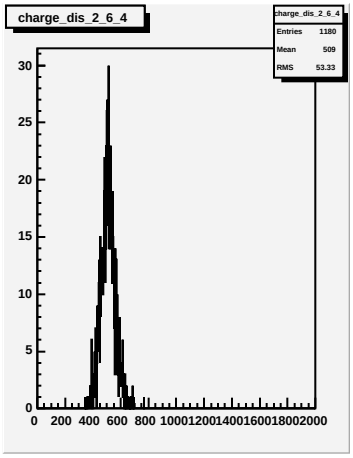

charge_dis_2_5_15
charge_dis_2_5_15
Entries 1180
Mean 488.5
RMS 60

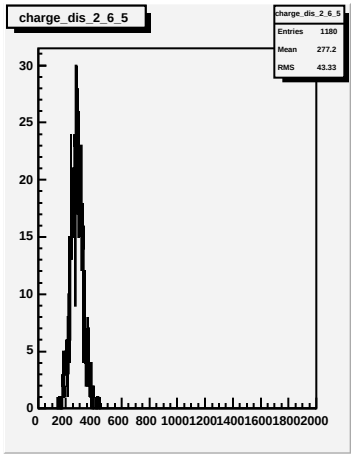

charge_dis_2_6_0
charge_dis_2_6_0
Entries 1180
Mean 304.7
RMS 49.67

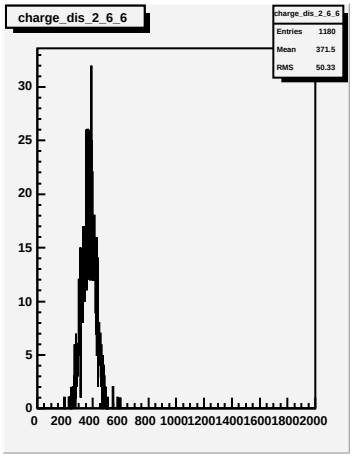

charge_dis_2_6_1
charge_dis_2_6_1
Entries 1180
Mean 184.3
RMS 33.53

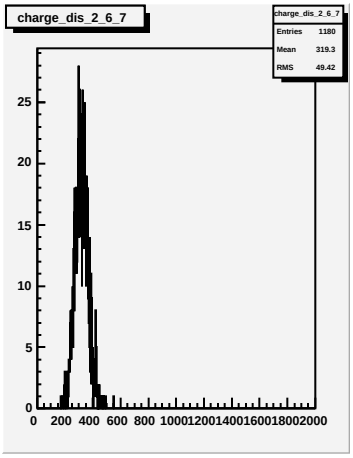

charge_dis_2_6_2
charge_dis_2_6_2
Entries 1180
Mean 285.1
RMS 42.24

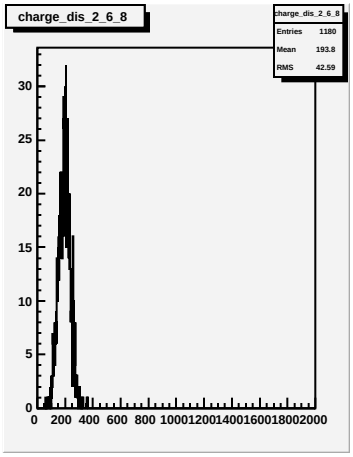

charge_dis_2_6_3
charge_dis_2_6_3
Entries 1180
Mean 321
RMS 55.71

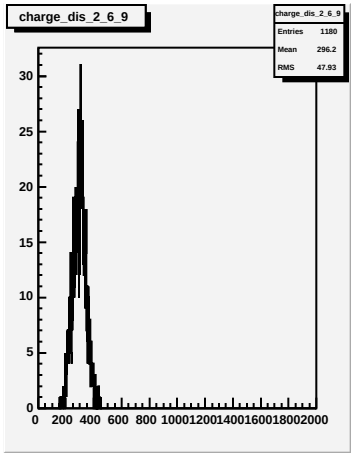

charge_dis_2_6_4
charge_dis_2_6_4
Entries 1180
Mean 509
RMS 53.33

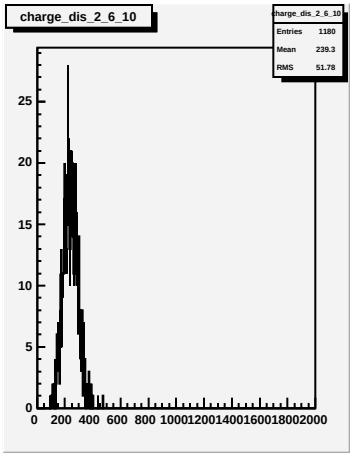

charge_dis_2_6_5
charge_dis_2_6_5
Entries 1180
Mean 277.2
RMS 43.33

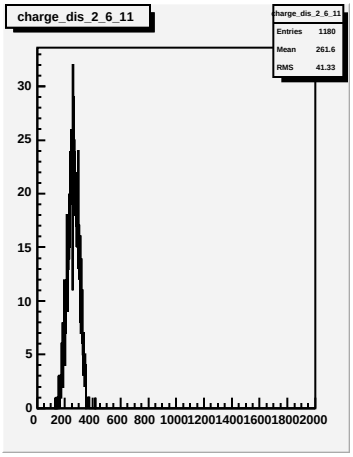

charge_dis_2_6_6
charge_dis_2_6_6
Entries 1180
Mean 371.5
RMS 50.33

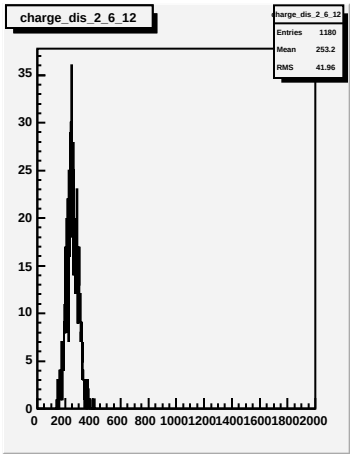

charge_dis_2_6_7
charge_dis_2_6_7
Entries 1180
Mean 319.3
RMS 49.42


charge_dis_2_6_8
charge_dis_2_6_8
Entries 1180
Mean 193.8
RMS 42.59


charge_dis_2_6_9
charge_dis_2_6_9
Entries 1180
Mean 296.2
RMS 47.93


charge_dis_2_6_10
charge_dis_2_6_10
Entries 1180
Mean 239.3
RMS 51.78


charge_dis_2_6_11
charge_dis_2_6_11
Entries 1180
Mean 261.6
RMS 41.33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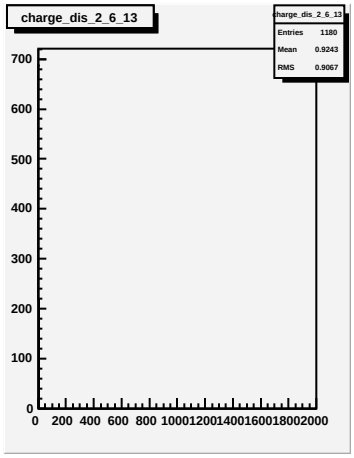
charge_dis_2_6_12
Entries 1180
Mean 253.2
RMS 41.96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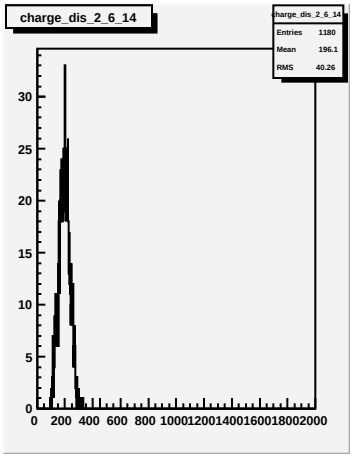
Entries 1180
Mean 0.9243
RMS 0.9067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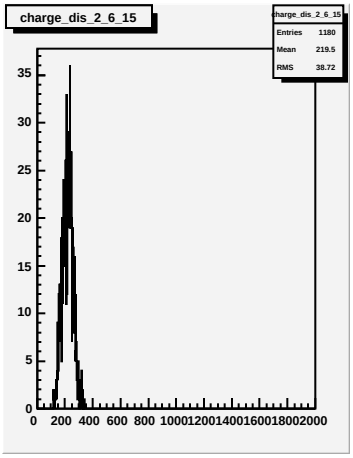
Entries 1180
Mean 196.1
RMS 40.26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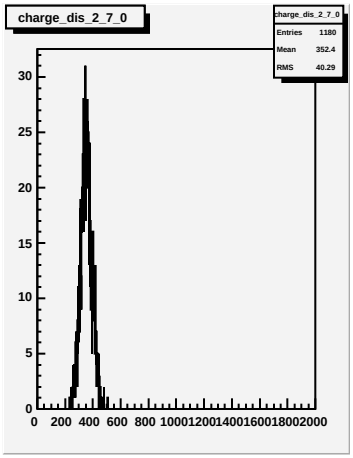
charge_dis_2_6_15
Entries 1180
Mean 219.5
RMS 38.72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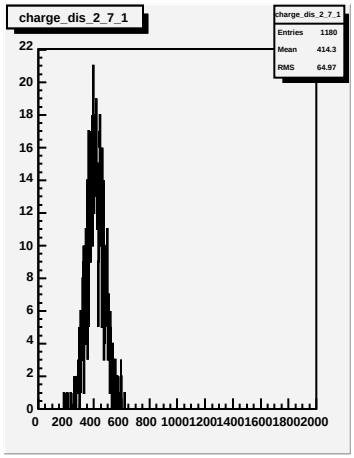
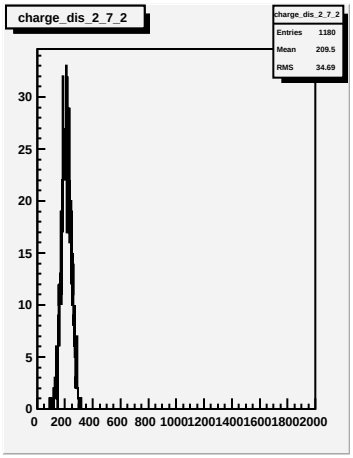
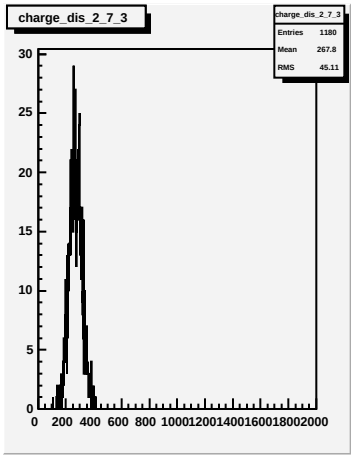
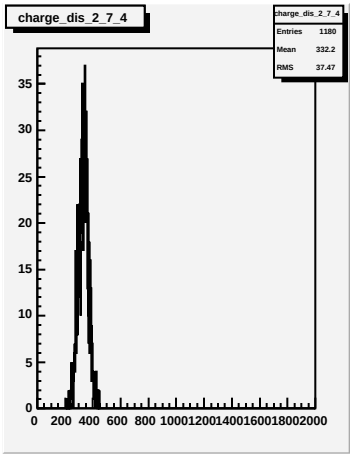
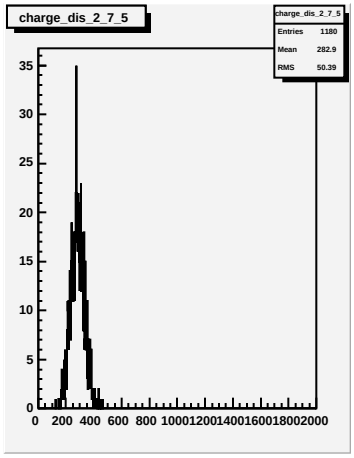
charge_dis_2_7_0
Entries 1180
Mean 352.4
RMS 40.29

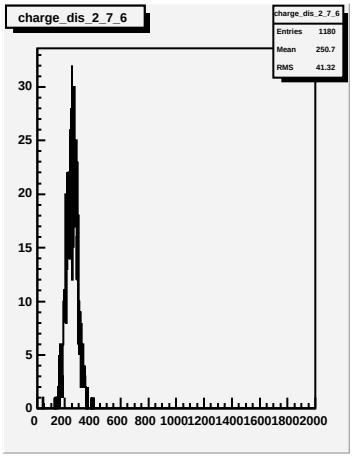

charge_dis_2_7_1
charge_dis_2_7_1
Entries 1180
Mean 414.3
RMS 64.97

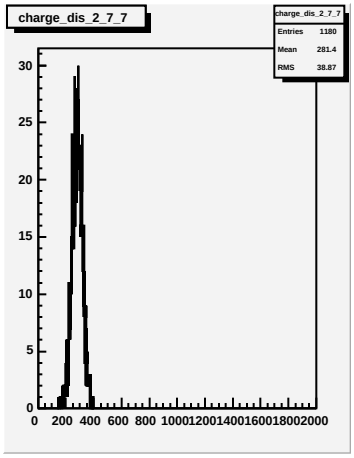

charge_dis_2_7_2
charge_dis_2_7_2
Entries 1180
Mean 209.5
RMS 34.69

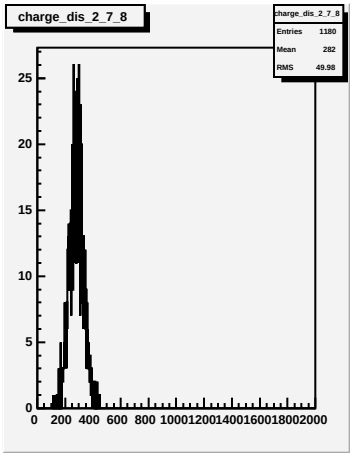

charge_dis_2_7_3
charge_dis_2_7_3
Entries 1180
Mean 267.8
RMS 45.11

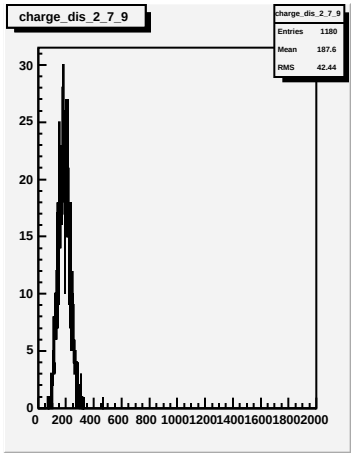

charge_dis_2_7_4
charge_dis_2_7_4
Entries 1180
Mean 332.2
RMS 37.47

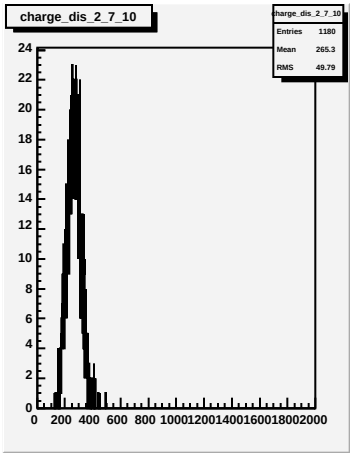

charge_dis_2_7_5
charge_dis_2_7_5
Entries 1180
Mean 282.9
RMS 50.39

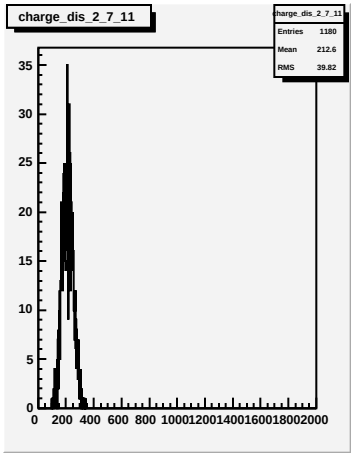

charge_dis_2_7_6
charge_dis_2_7_6
Entries 1180
Mean 250.7
RMS 41.32

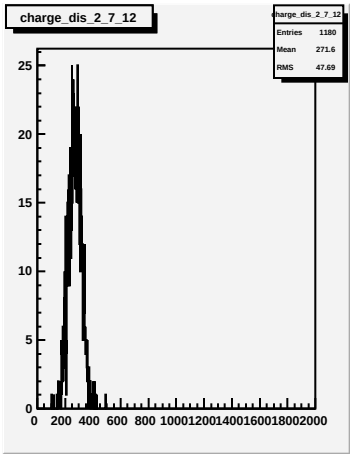

charge_dis_2_7_7
charge_dis_2_7_7
Entries 1180
Mean 281.4
RMS 38.87

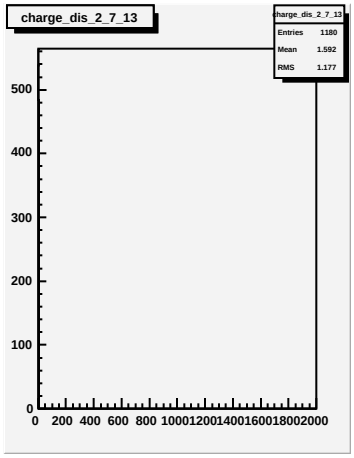

charge_dis_2_7_8
charge_dis_2_7_8
Entries 1180
Mean 282
RMS 49.98

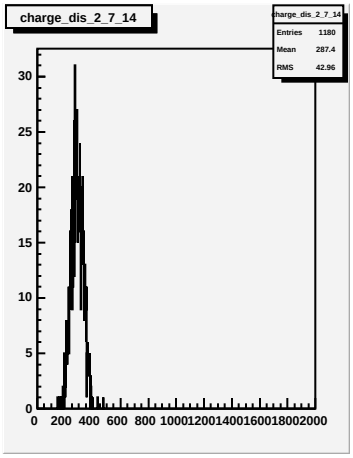

charge_dis_2_7_9
charge_dis_2_7_9
Entries 1180
Mean 187.6
RMS 42.44

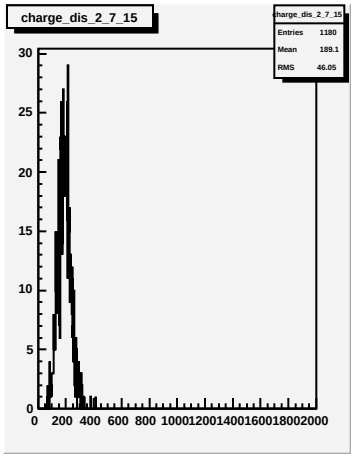

charge_dis_2_7_10
charge_dis_2_7_10
Entries 1180
Mean 265.3
RMS 49.79

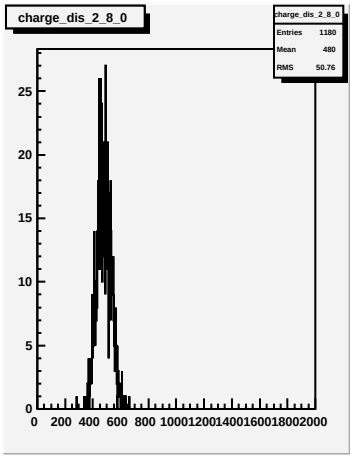

charge_dis_2_7_11
charge_dis_2_7_11
Entries 1180
Mean 212.6
RMS 39.82


charge_dis_2_7_12
charge_dis_2_7_12
Entries 1180
Mean 271.6
RMS 47.69


charge_dis_2_7_13
charge_dis_2_7_13
Entries 1180
Mean 1.592
RMS 1.177


charge_dis_2_7_14
charge_dis_2_7_14
Entries 1180
Mean 287.4
RMS 42.96


charge_dis_2_7_15
charge_dis_2_7_15
Entries 1180
Mean 189.1
RMS 46.05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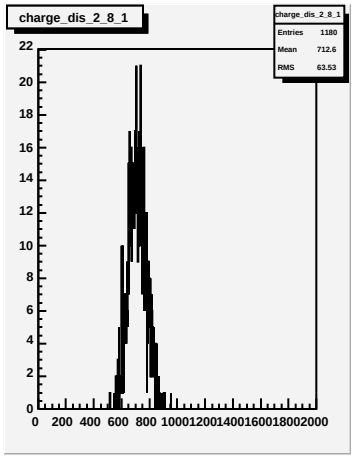
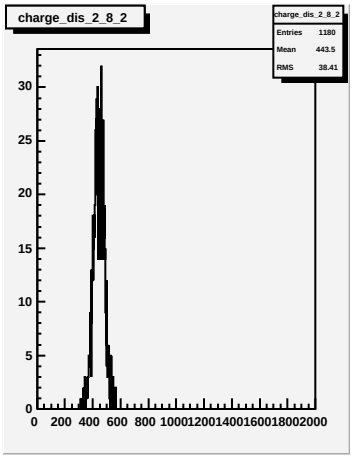
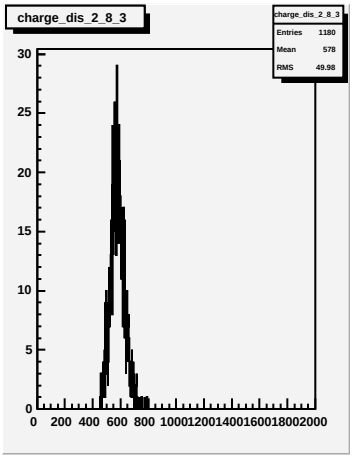
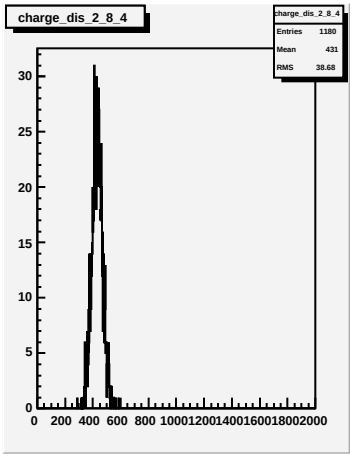
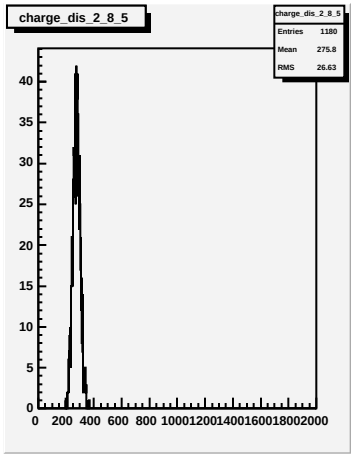
charge_dis_2_8_0
Entries 1180
Mean 480
RMS 50.76

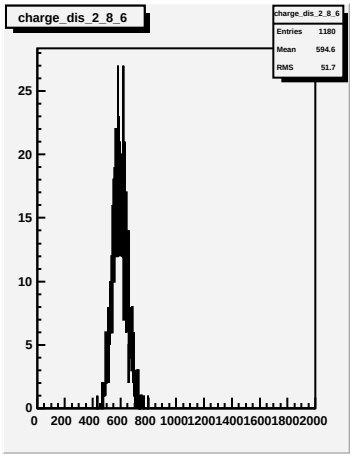

charge_dis_2_8_1
charge_dis_2_8_1
Entries 1180
Mean 712.6
RMS 63.53

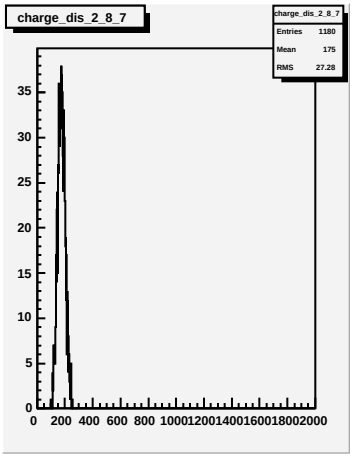

charge_dis_2_8_2
charge_dis_2_8_2
Entries 1180
Mean 443.5
RMS 38.41

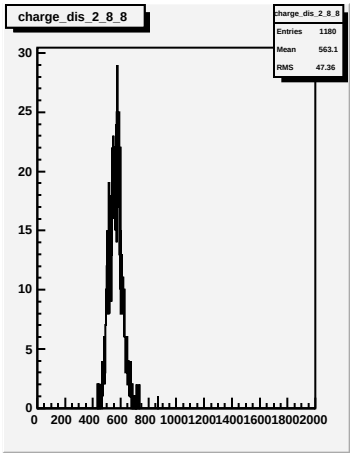

charge_dis_2_8_3
charge_dis_2_8_3
Entries 1180
Mean 578
RMS 49.98

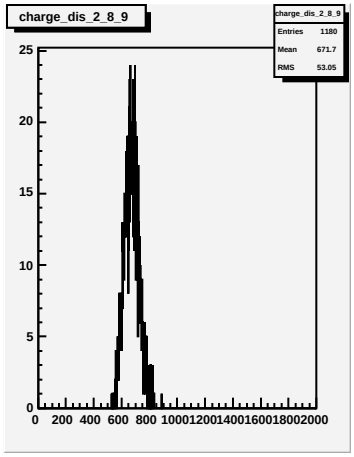

charge_dis_2_8_4
charge_dis_2_8_4
Entries 1180
Mean 431
RMS 38.68

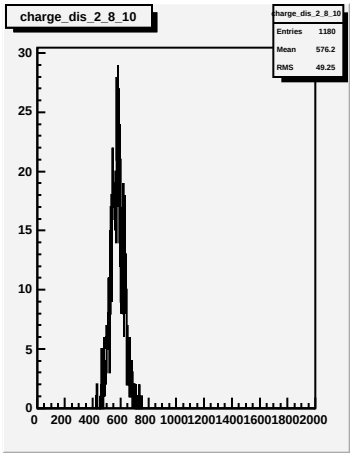

charge_dis_2_8_5
charge_dis_2_8_5
Entries 1180
Mean 275.8
RMS 26.63

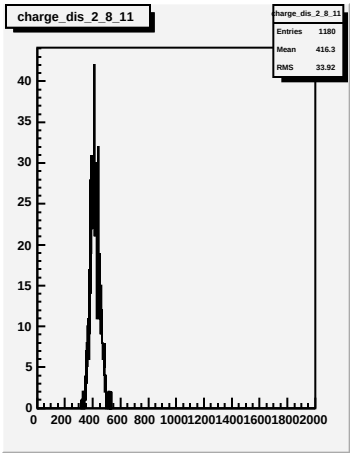

charge_dis_2_8_6
charge_dis_2_8_6
Entries 1180
Mean 594.6
RMS 51.7

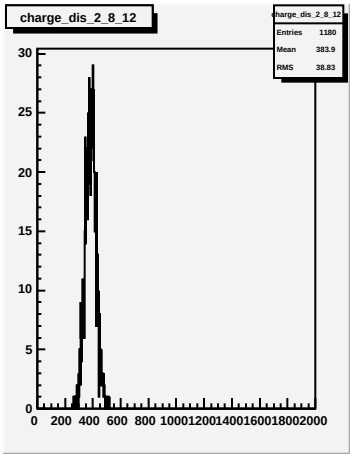

charge_dis_2_8_7
charge_dis_2_8_7
Entries 1180
Mean 175
RMS 27.28

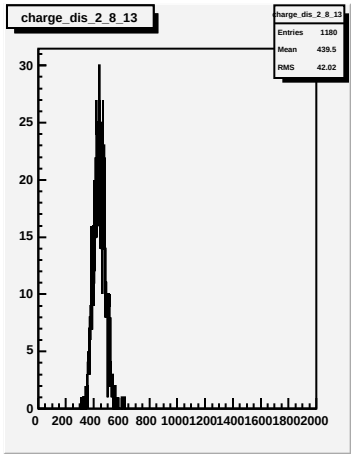

charge_dis_2_8_8
charge_dis_2_8_8
Entries 1180
Mean 563.1
RMS 47.36

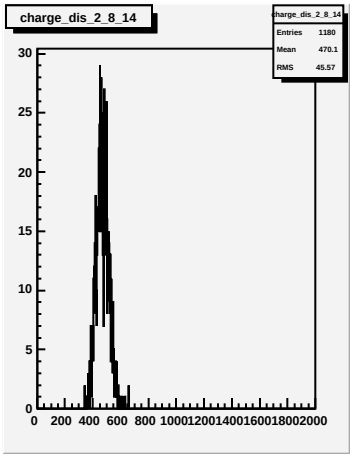

charge_dis_2_8_9
charge_dis_2_8_9
Entries 1180
Mean 671.7
RMS 53.05

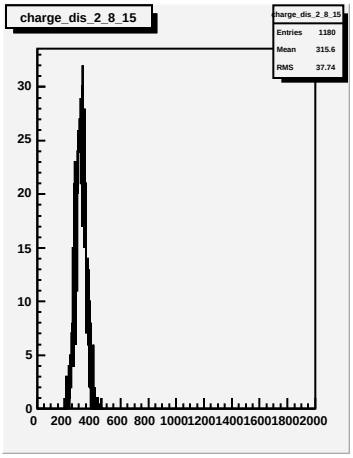

charge_dis_2_8_10
charge_dis_2_8_10
Entries 1180
Mean 576.2
RMS 49.25

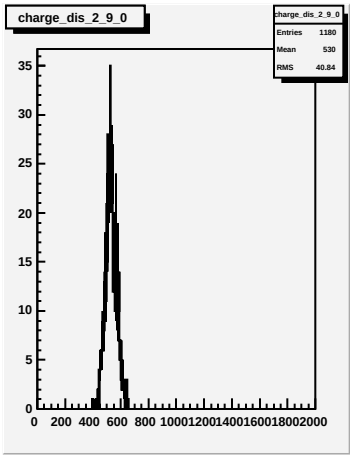

charge_dis_2_8_11
charge_dis_2_8_11
Entries 1180
Mean 416.3
RMS 33.92

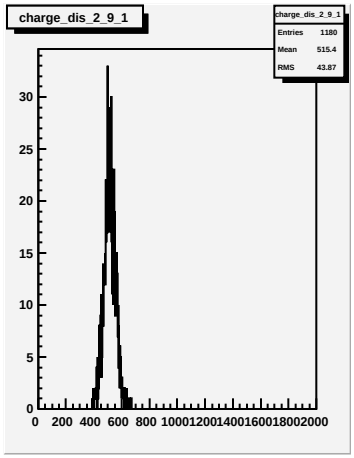

charge_dis_2_8_12
charge_dis_2_8_12
Entries 1180
Mean 383.9
RMS 38.83

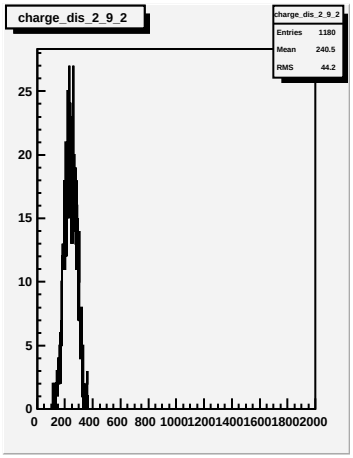

charge_dis_2_8_13
charge_dis_2_8_13
Entries 1180
Mean 439.5
RMS 42.02

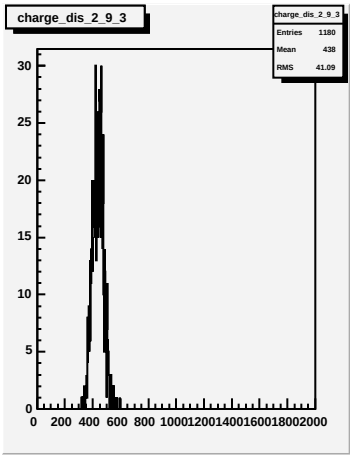

charge_dis_2_8_14
charge_dis_2_8_14
Entries 1180
Mean 470.1
RMS 45.57

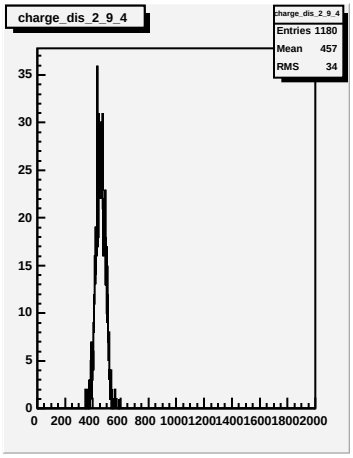

charge_dis_2_8_15
charge_dis_2_8_15
Entries 1180
Mean 315.6
RMS 37.74

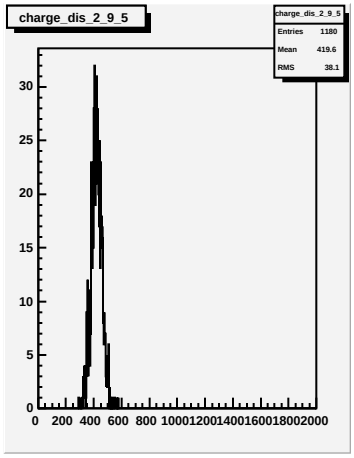

charge_dis_2_9_0
charge_dis_2_9_0
Entries 1180
Mean 530
RMS 40.84

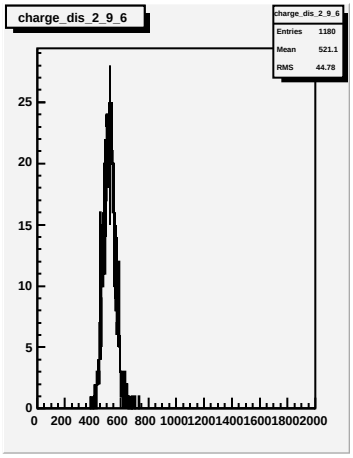

charge_dis_2_9_1
charge_dis_2_9_1
Entries 1180
Mean 515.4
RMS 43.87

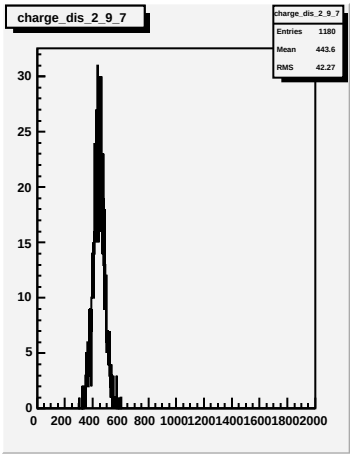

charge_dis_2_9_2
charge_dis_2_9_2
Entries 1180
Mean 240.5
RMS 44.2

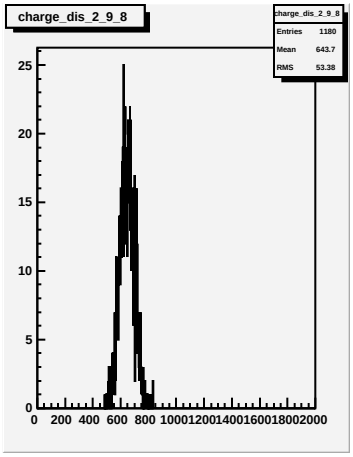

charge_dis_2_9_3
charge_dis_2_9_3
Entries 1180
Mean 438
RMS 41.09

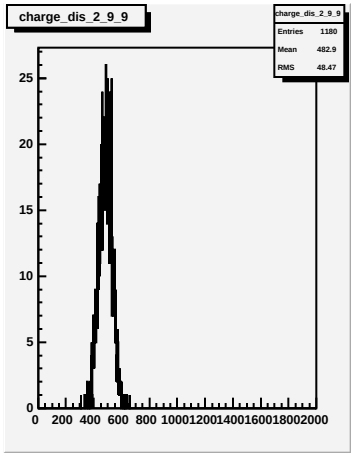

charge_dis_2_9_4
charge_dis_2_9_4
Entries 1180
Mean 457
RMS 34


charge_dis_2_9_5
charge_dis_2_9_5
Entries 1180
Mean 419.6
RMS 38.1


charge_dis_2_9_6
charge_dis_2_9_6
Entries 1180
Mean 521.1
RMS 44.78


charge_dis_2_9_7
charge_dis_2_9_7
Entries 1180
Mean 443.6
RMS 42.27


charge_dis_2_9_8
charge_dis_2_9_8
Entries 1180
Mean 643.7
RMS 53.38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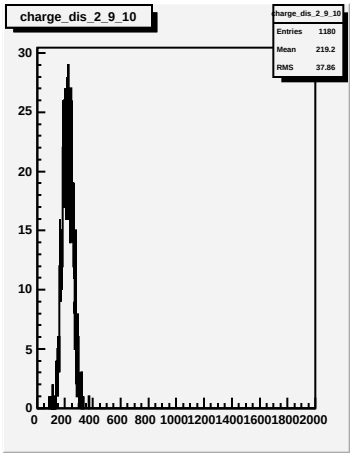
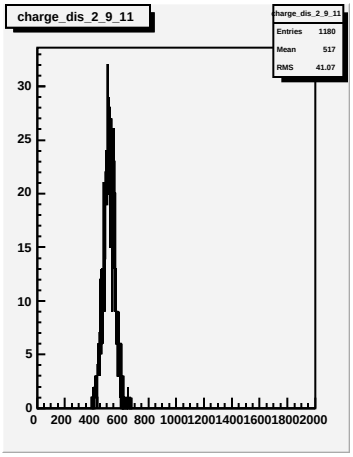
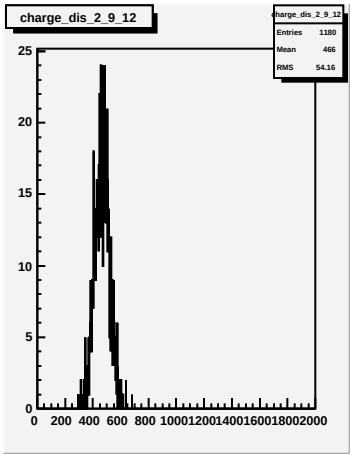
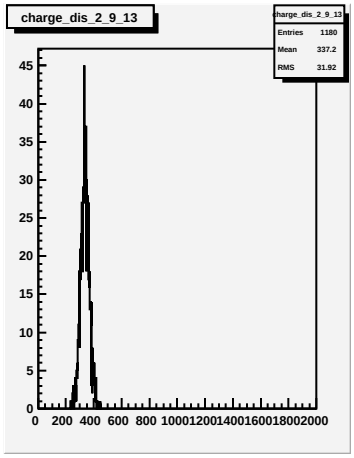
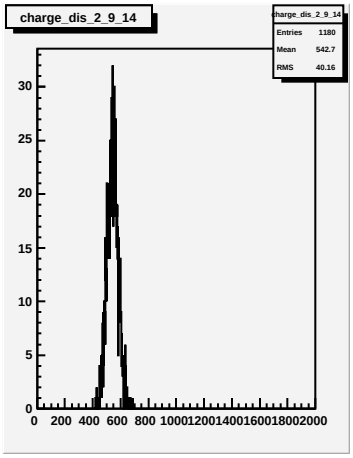
Entries 1180
Mean 482.9
RMS 48.47

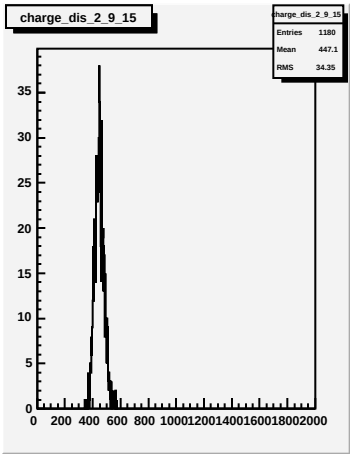

charge_dis_2_9_10
charge_dis_2_9_10
Entries 1180
Mean 219.2
RMS 37.86

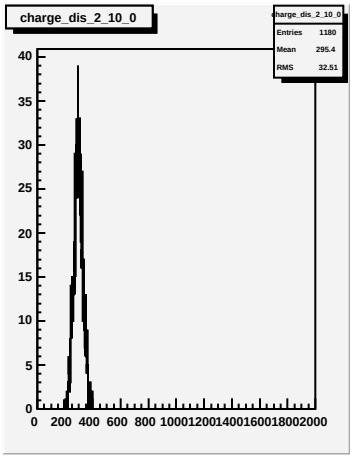

charge_dis_2_9_11
charge_dis_2_9_11
Entries 1180
Mean 517
RMS 41.07

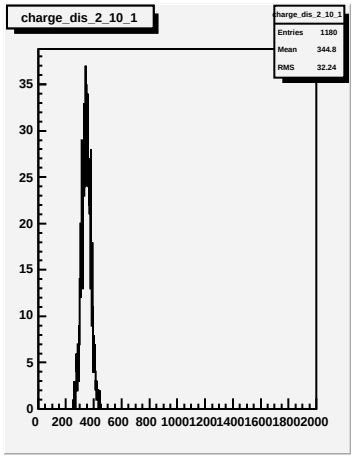

charge_dis_2_9_12
charge_dis_2_9_12
Entries 1180
Mean 466
RMS 54.16

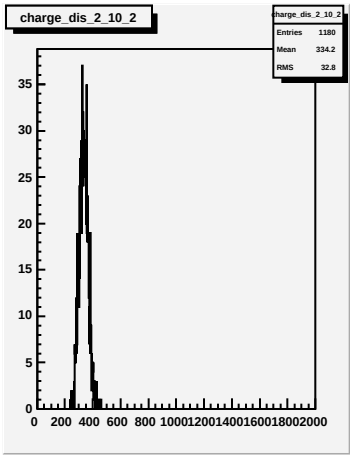

charge_dis_2_9_13
charge_dis_2_9_13
Entries 1180
Mean 337.2
RMS 31.92

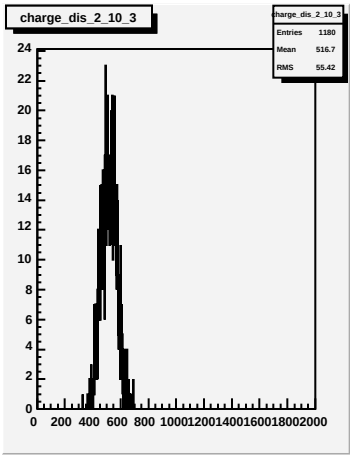

charge_dis_2_9_14
charge_dis_2_9_14
Entries 1180
Mean 542.7
RMS 40.16

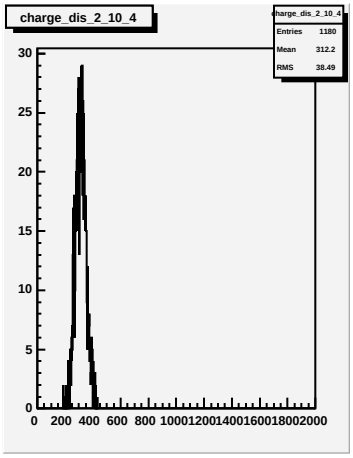

charge_dis_2_9_15
charge_dis_2_9_15
Entries 1180
Mean 447.1
RMS 34.35

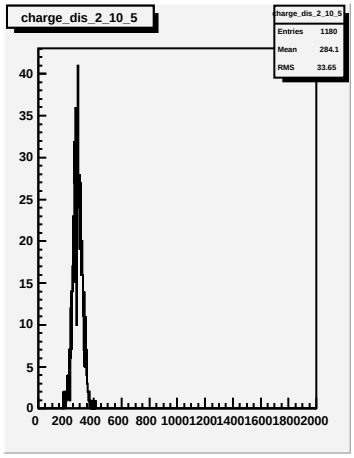

charge_dis_2_10_0
charge_dis_2_10_0
Entries 1180
Mean 295.4
RMS 32.51


charge_dis_2_10_1
charge_dis_2_10_1
Entries 1180
Mean 344.8
RMS 32.24


charge_dis_2_10_2
charge_dis_2_10_2
Entries 1180
Mean 334.2
RMS 32.8


charge_dis_2_10_3
charge_dis_2_10_3
Entries 1180
Mean 516.7
RMS 55.42


charge_dis_2_10_4
charge_dis_2_10_4
Entries 1180
Mean 312.2
RMS 38.49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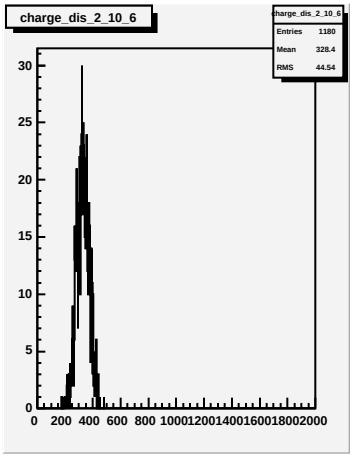
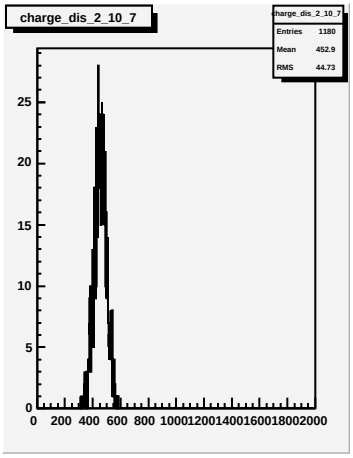
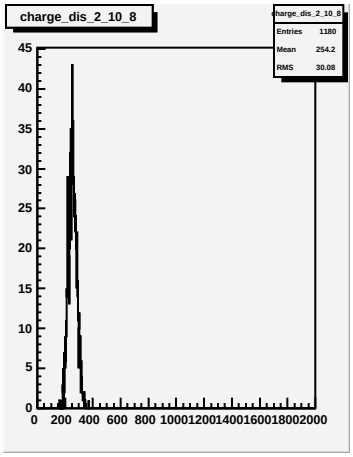
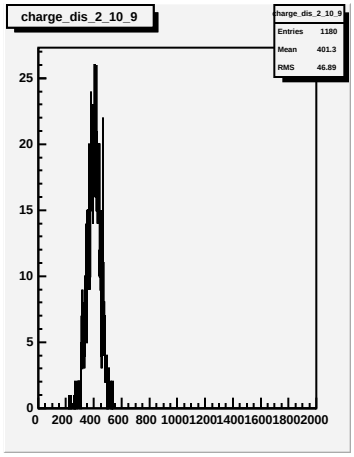
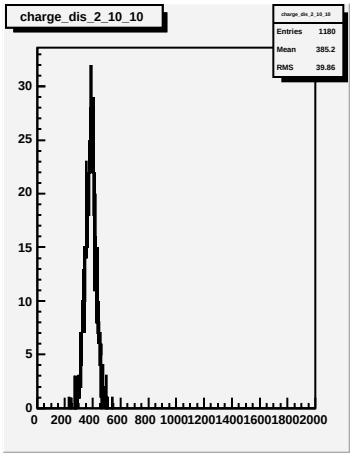
charge_dis_2_10_5
Entries 1180
Mean 284.1
RMS 33.65

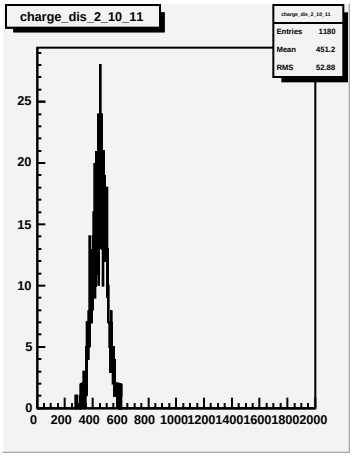

charge_dis_2_10_6
charge_dis_2_10_6
Entries 1180
Mean 328.4
RMS 44.54

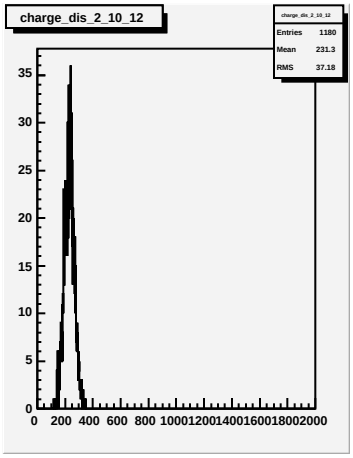

charge_dis_2_10_7
charge_dis_2_10_7
Entries 1180
Mean 452.9
RMS 44.73

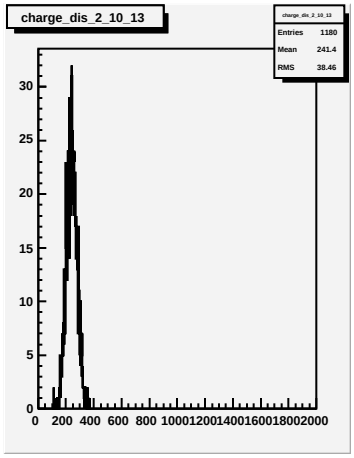

charge_dis_2_10_8
charge_dis_2_10_8
Entries 1180
Mean 254.2
RMS 30.08


charge_dis_2_10_9
charge_dis_2_10_9
Entries 1180
Mean 401.3
RMS 46.89


charge_dis_2_10_10
charge_dis_2_10_10
Entries 1180
Mean 385.2
RMS 39.86


charge_dis_2_10_11
charge_dis_2_10_11
Entries 1180
Mean 451.2
RMS 52.88


charge_dis_2_10_12
charge_dis_2_10_12
Entries 1180
Mean 231.3
RMS 37.18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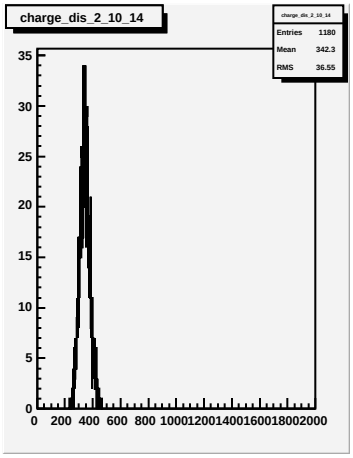
charge_dis_2_10_13
Entries 1180
Mean 241.4
RMS 38.46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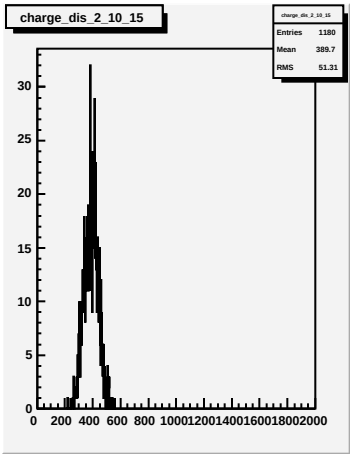
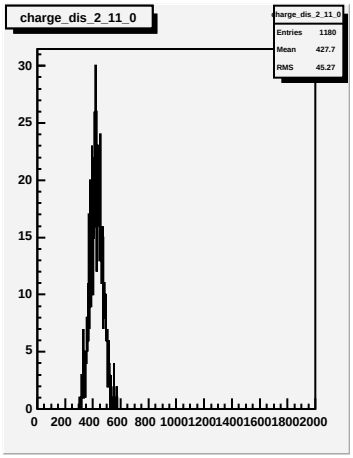
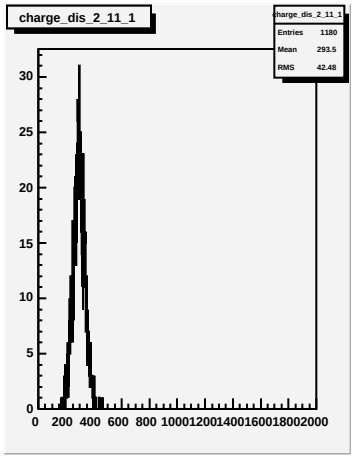
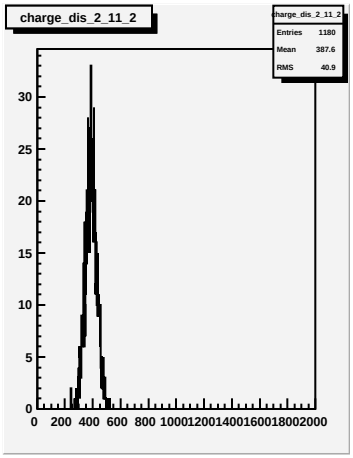
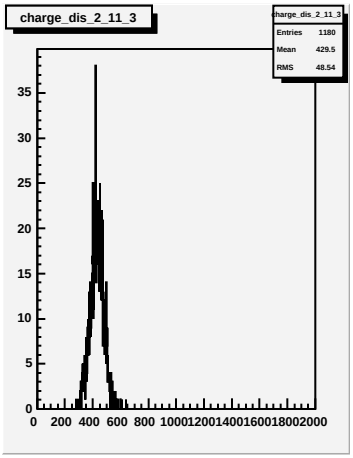
charge_dis_2_10_14
Entries 1180
Mean 342.3
RMS 36.55

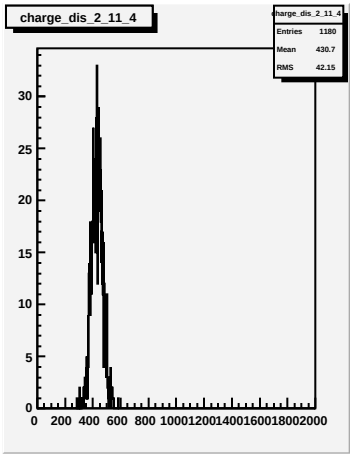

charge_dis_2_10_15
charge_dis_2_10_15
Entries 1180
Mean 389.7
RMS 51.31

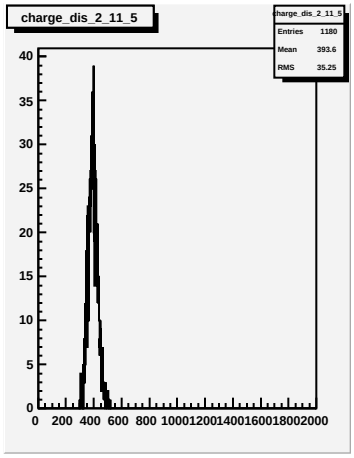

charge_dis_2_11_0
Entries 1180
Mean 427.7
RMS 45.27

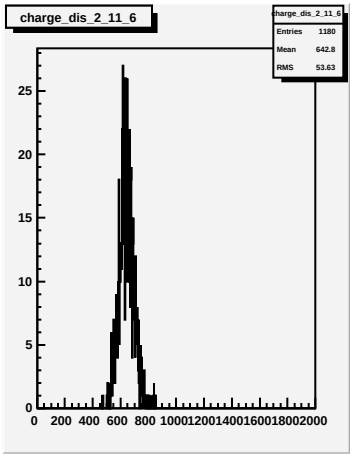

charge_dis_2_11_1
Entries 1180
Mean 293.5
RMS 42.48

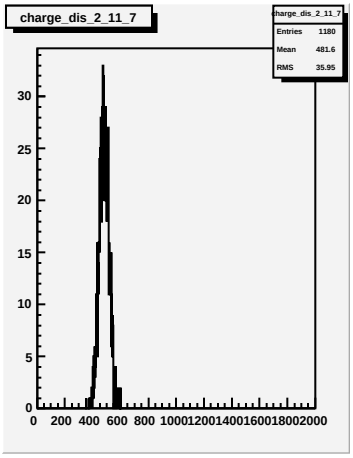

charge_dis_2_11_2
Entries 1180
Mean 387.6
RMS 40.9

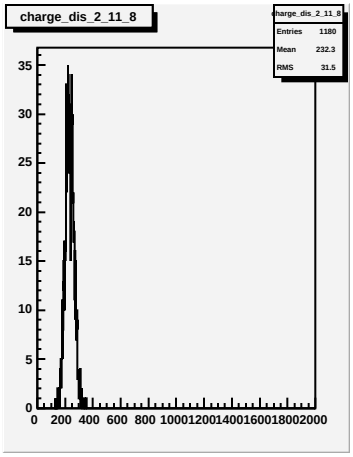

charge_dis_2_11_3
Entries 1180
Mean 429.5
RMS 48.54


charge_dis_2_11_4
Entries 1180
Mean 430.7
RMS 42.15


charge_dis_2_11_5
Entries 1180
Mean 393.6
RMS 35.25


charge_dis_2_11_6
Entries 1180
Mean 642.8
RMS 53.63


charge_dis_2_11_7
Entries 1180
Mean 481.6
RMS 35.95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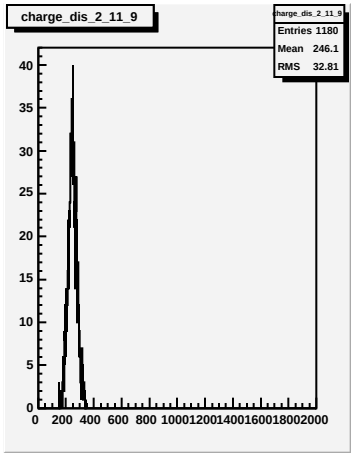
Mean 232.3
RMS 31.5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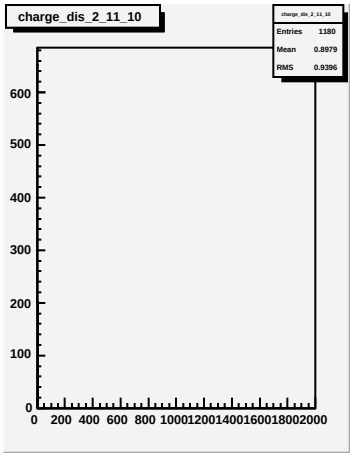
Entries 1180
Mean 246.1
RMS 32.81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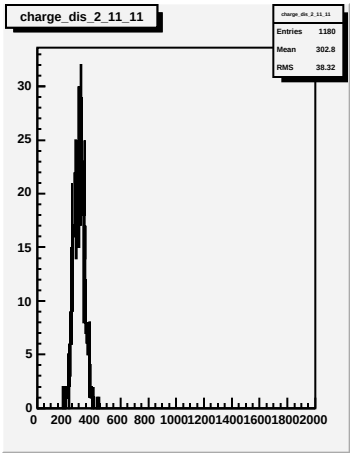
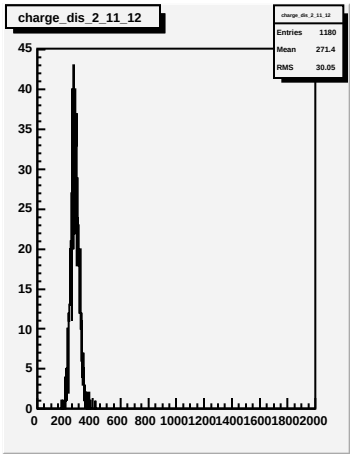
Mean 0.8979
RMS 0.9396


charge_dis_2_11_11
Entries 1180
Mean 302.8
RMS 38.32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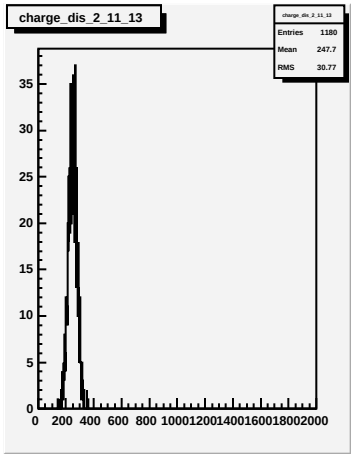
Entries 1180
Mean 271.4
RMS 30.05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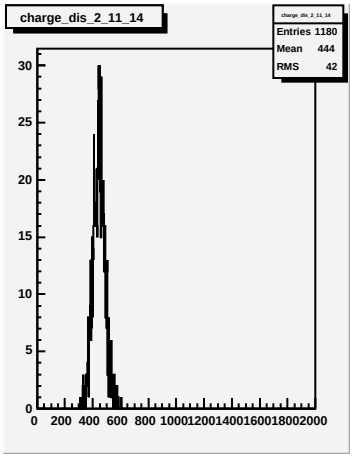
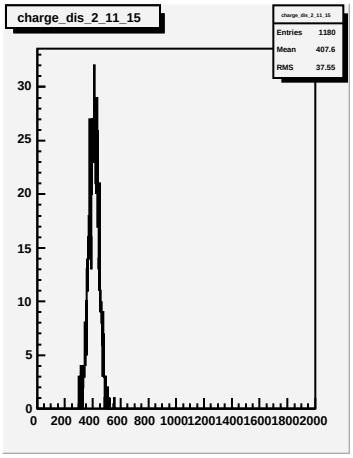
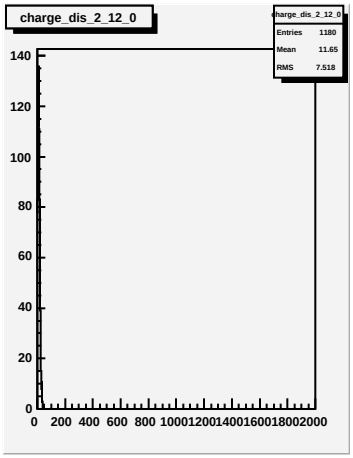
Entries 1180
Mean 247.7
RMS 30.77


charge_dis_2_11_14
Entries 1180
Mean 444
RMS 42


charge_dis_2_11_15
Entries 1180
Mean 407.6
RMS 37.55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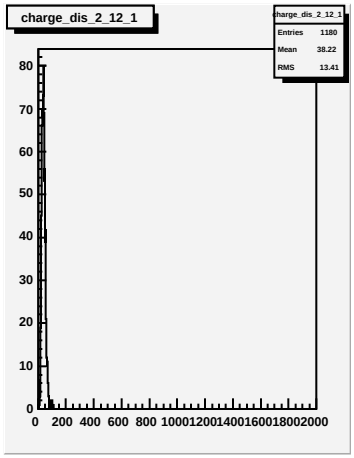
Mean 11.65
RMS 7.518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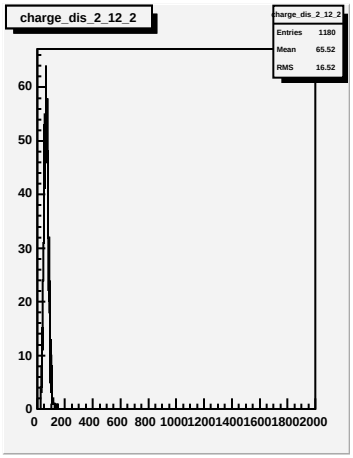
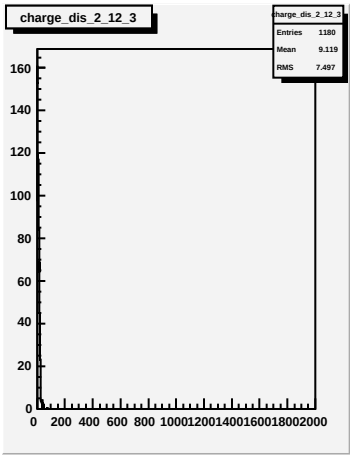
Entries 1180
Mean 38.22
RMS 13.41


charge_dis_2_12_2
Entries 1180
Mean 65.52
RMS 16.52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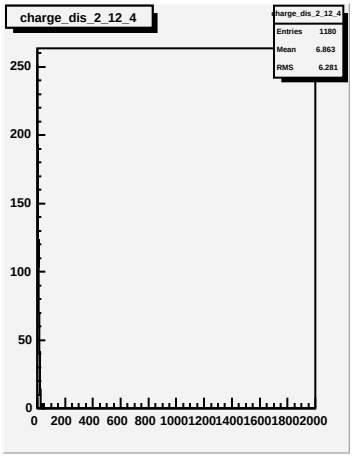
Entries 1180
Mean 9.119
RMS 7.497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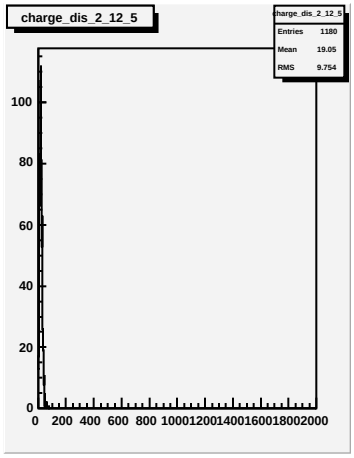
Mean 6.863
RMS 6.281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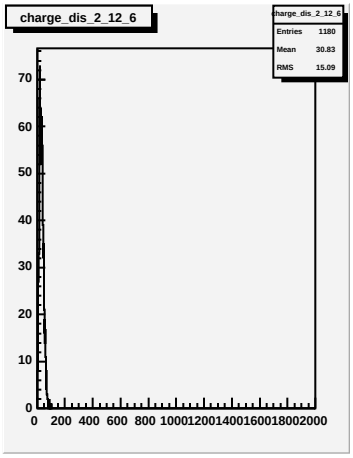
Entries 1180
Mean 19.05
RMS 9.754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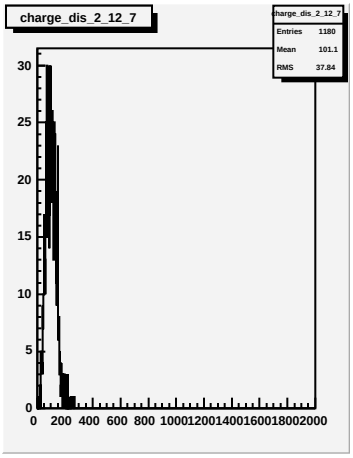
Entries 1180
Mean 30.83
RMS 15.09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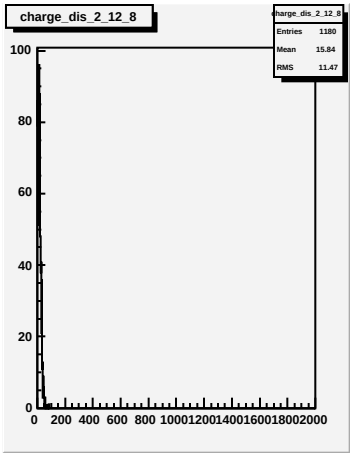
Entries 1180
Mean 101.1
RMS 37.84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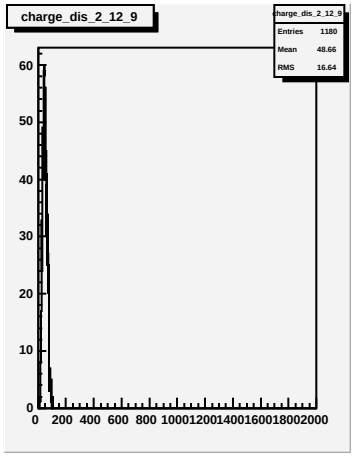
Entries 1180
Mean 15.84
RMS 11.47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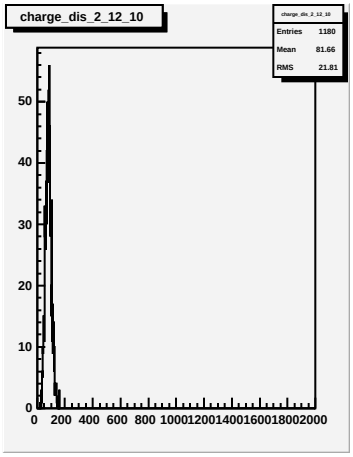
Mean 48.66
RMS 16.64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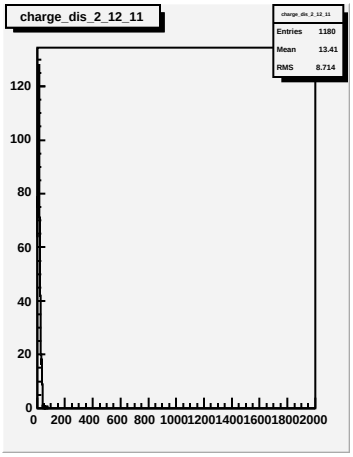
Entries 1180
Mean 81.66
RMS 21.81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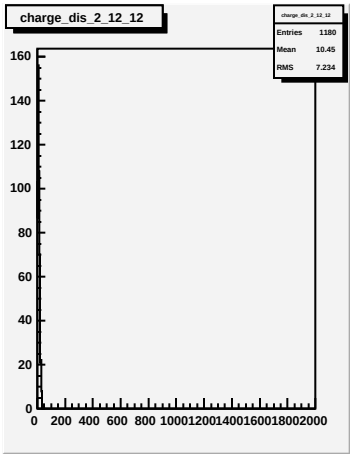
Entries 1180
Mean 13.41
RMS 8.714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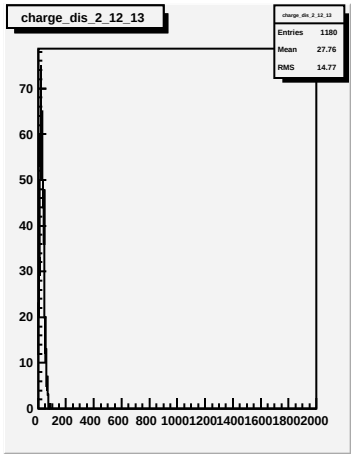
Mean 10.45
RMS 7.234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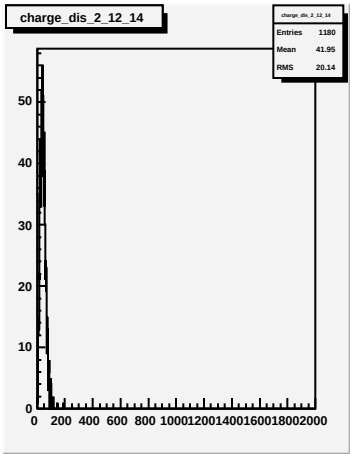
Mean 27.76
RMS 14.77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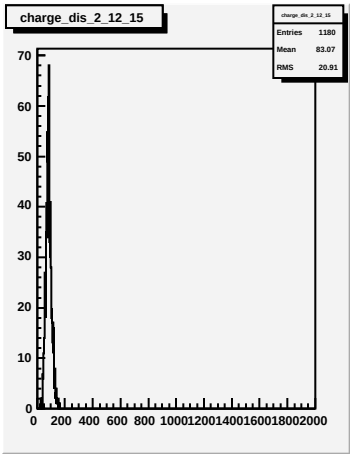
Mean 41.95
RMS 20.14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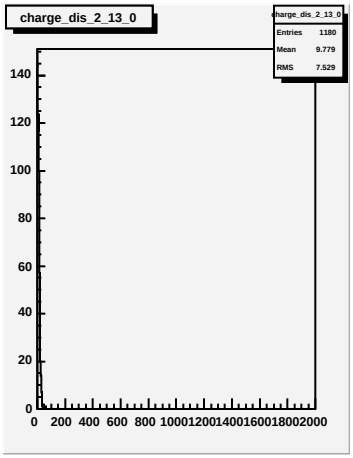
Mean 83.07
RMS 20.91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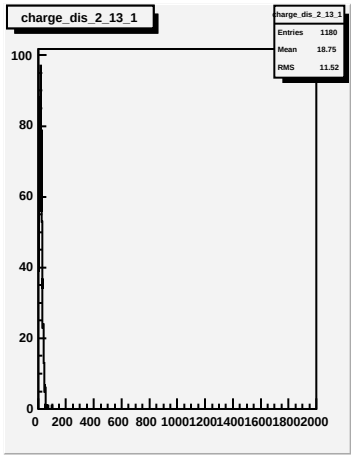
Mean 9.779
RMS 7.529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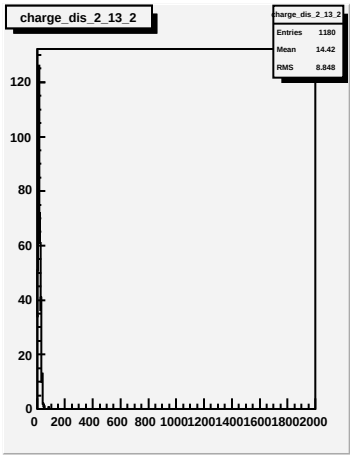
Mean 18.75
RMS 11.52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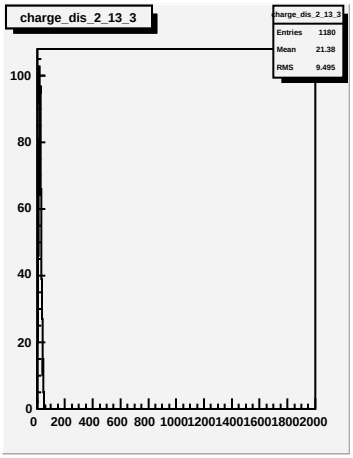
Mean 14.42
RMS 8.848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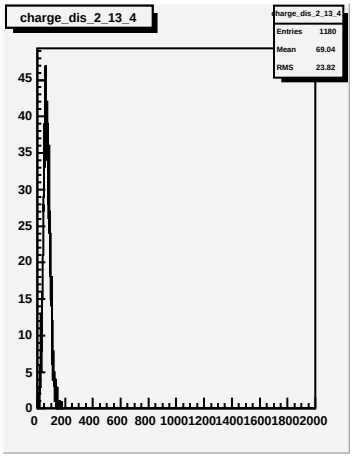
Entries 1180
Mean 21.38
RMS 9.495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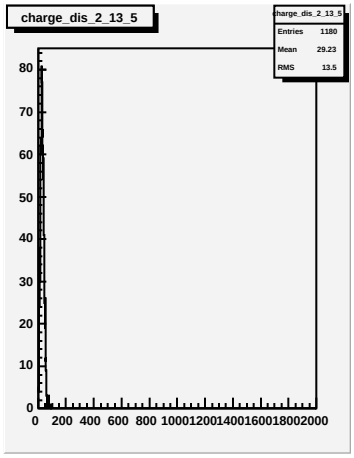
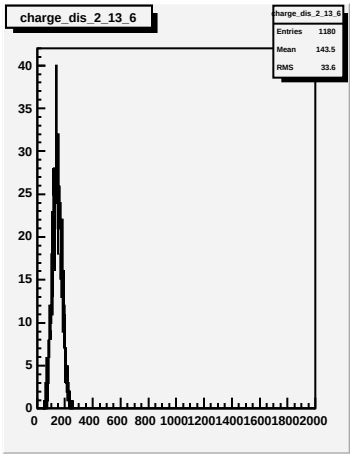
RMS 23.82


charge_dis_2_13_5
Entries 1180
Mean 29.23
RMS 13.5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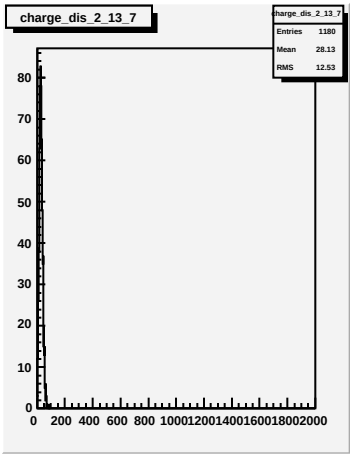
Entries 1180
Mean 143.5
RMS 33.6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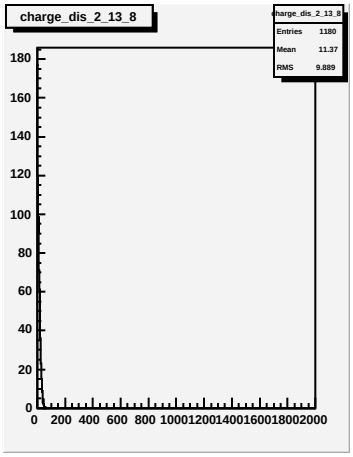
Entries 1180
Mean 28.13
RMS 12.53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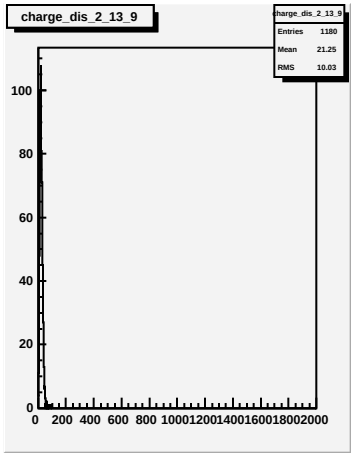
RMS 9.889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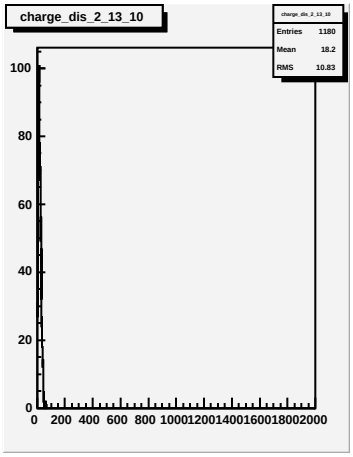
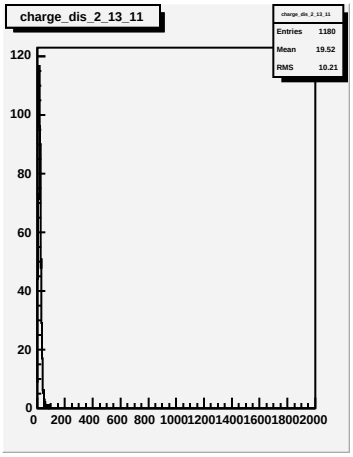
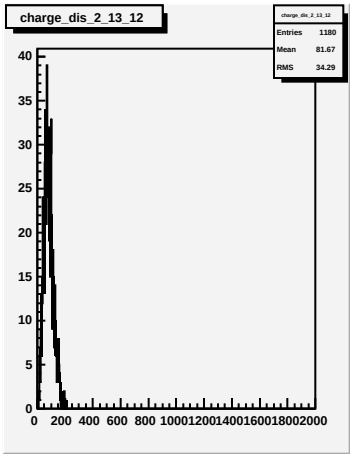
Entries 1180
Mean 21.25
RMS 10.03


charge_dis_2_13_10
Entries 1180
Mean 18.2
RMS 10.83


charge_dis_2_13_11
Entries 1180
Mean 19.52
RMS 10.21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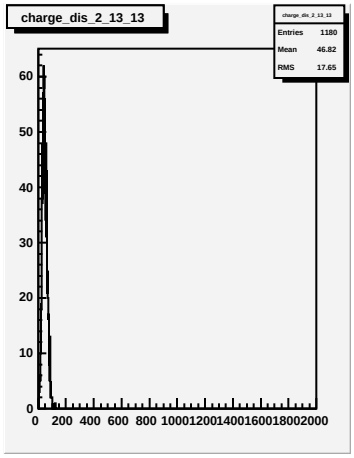
Mean 81.67
RMS 34.29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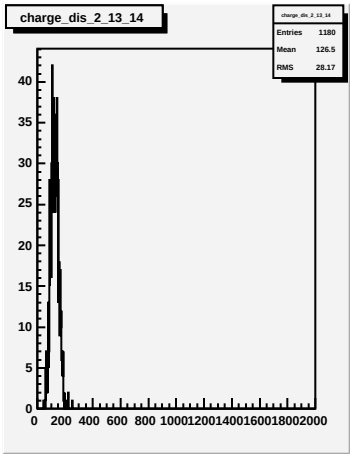
Mean 46.82
RMS 17.65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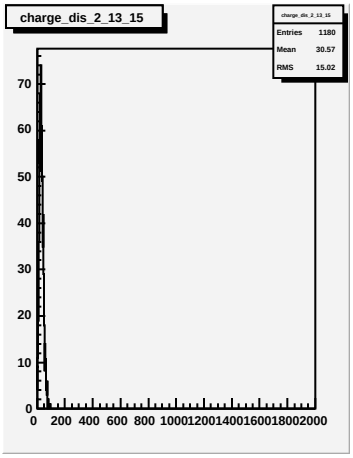
Mean 126.5
RMS 28.17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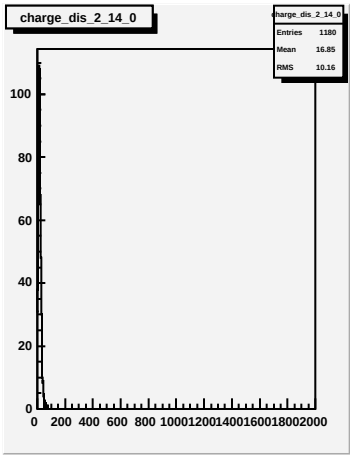
Mean 30.57
RMS 15.02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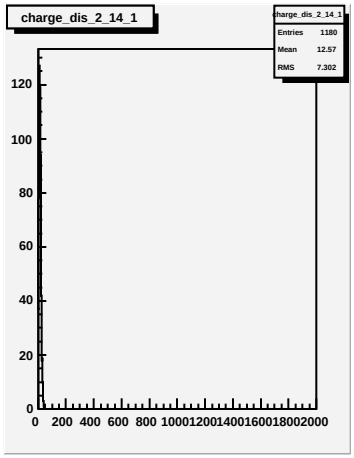
RMS 10.16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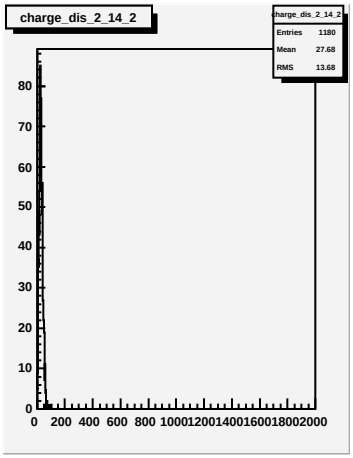
RMS 7.302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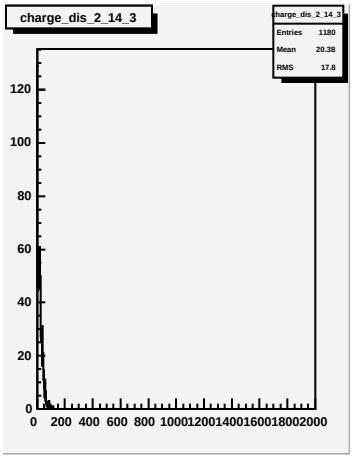
RMS 13.68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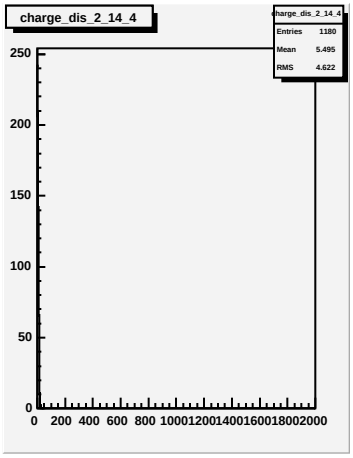
Mean 20.38
RMS 17.8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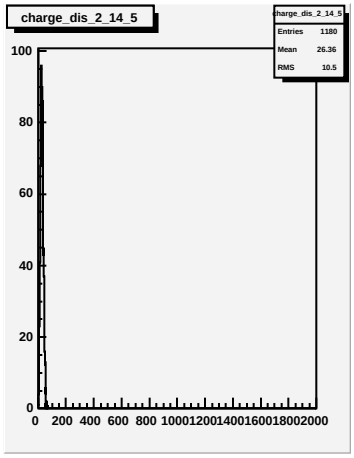
Mean 5.495
RMS 4.622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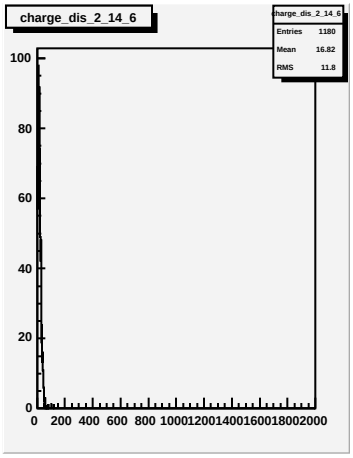
Mean 26.36
RMS 10.5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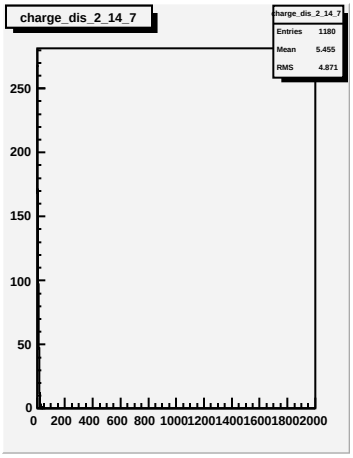
Mean 16.82
RMS 11.8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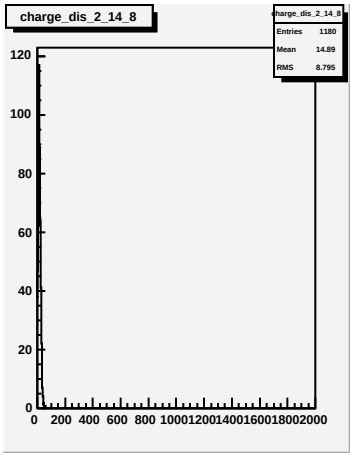
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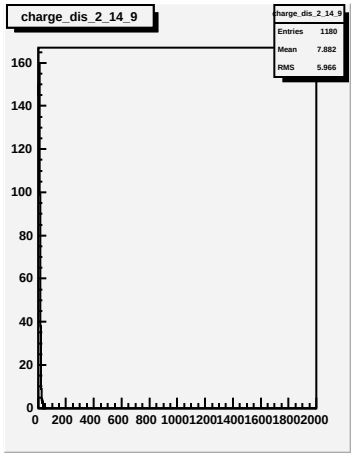
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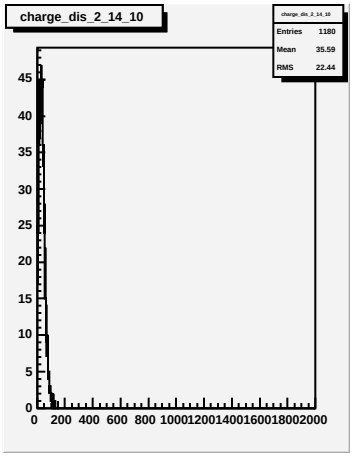
RMS 5.966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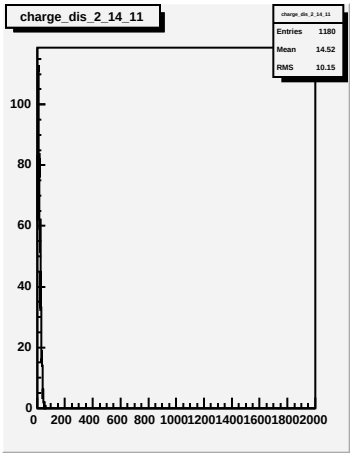
Mean 35.59
RMS 22.44


charge_dis_2_14_11
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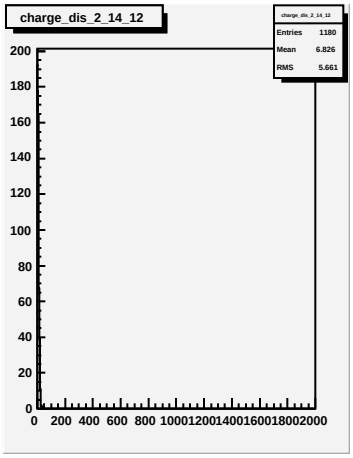
Mean 14.52
RMS 10.15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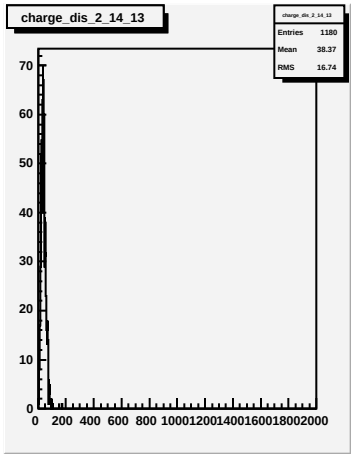
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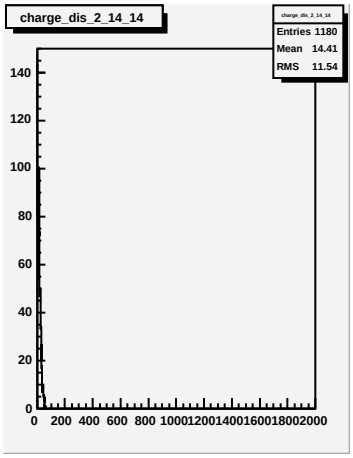
RMS 16.74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Entries 1180
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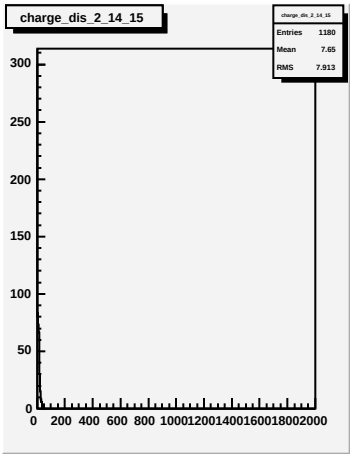
RMS 11.54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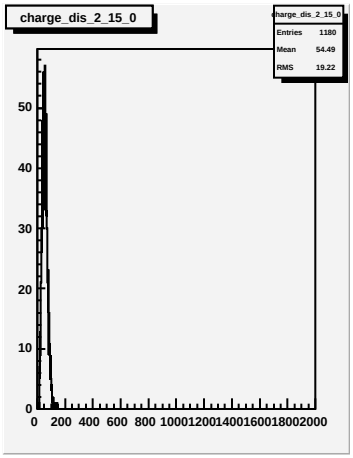
Entries 1180
Mean 7.65
RMS 7.913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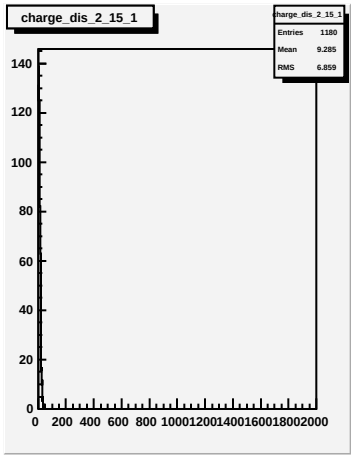
Mean 54.49
RMS 19.22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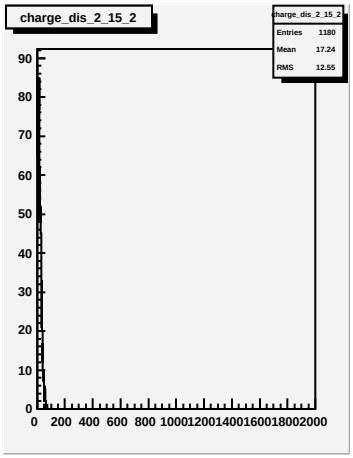
RMS 6.859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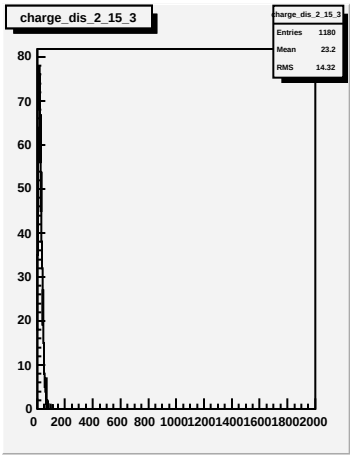
Mean 17.24
RMS 12.55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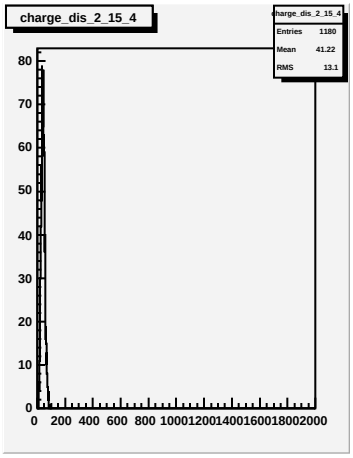
charge_dis_2_15_3
Entries 1180
Mean 23.2
RMS 14.32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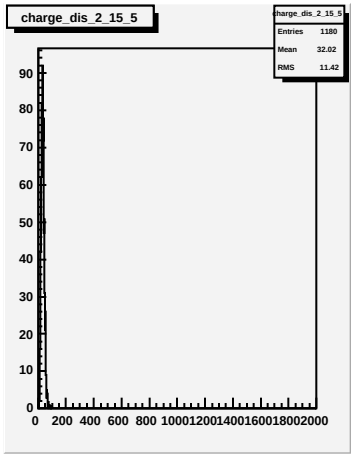
Entries 1180
Mean 41.22
RMS 13.1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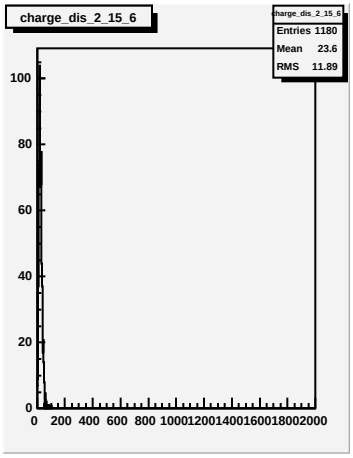
Mean 32.02
RMS 11.42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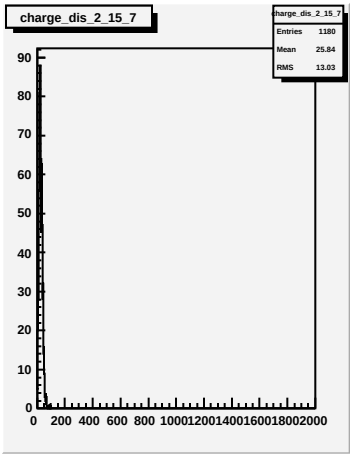
Entries 1180
Mean 23.6
RMS 11.89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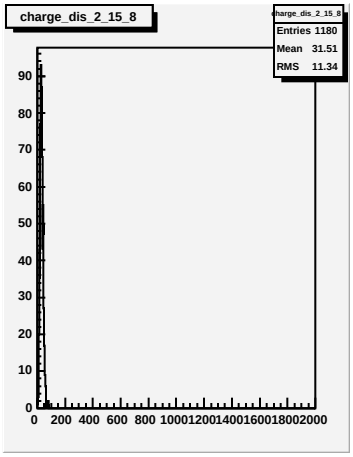
Entries 1180
Mean 25.84
RMS 13.03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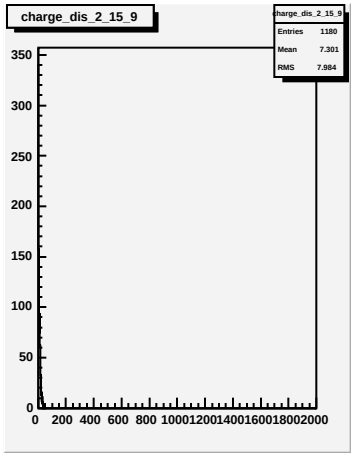
Entries 1180
Mean 31.51
RMS 11.34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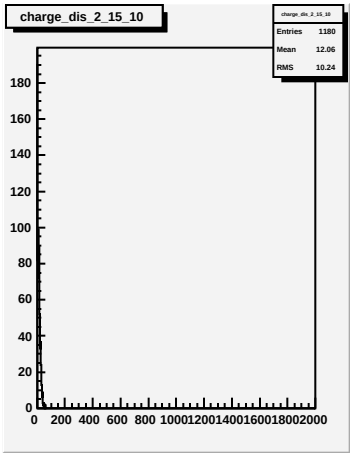
Mean 7.301
RMS 7.984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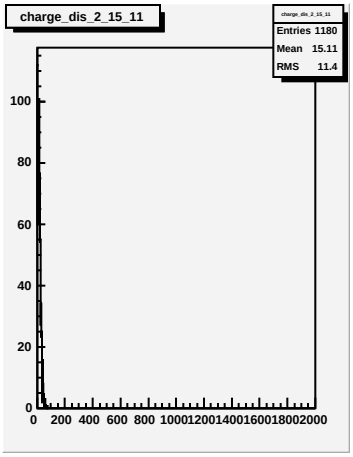
Entries 1180
Mean 12.06
RMS 10.24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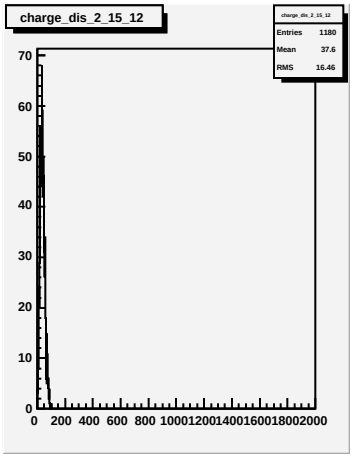
Mean 15.11
RMS 11.4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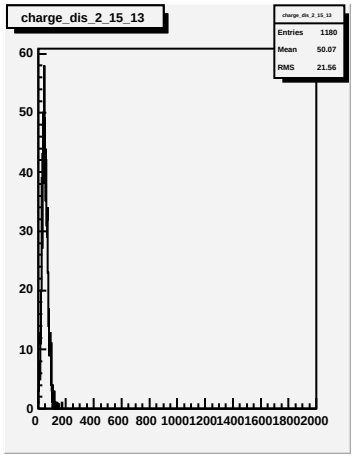
Mean 37.6
RMS 16.46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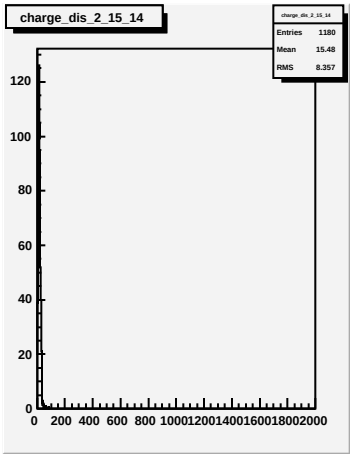
RMS 21.56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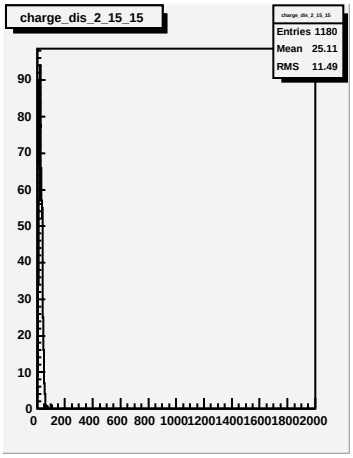
Entries 1180
Mean 15.48
RMS 8.357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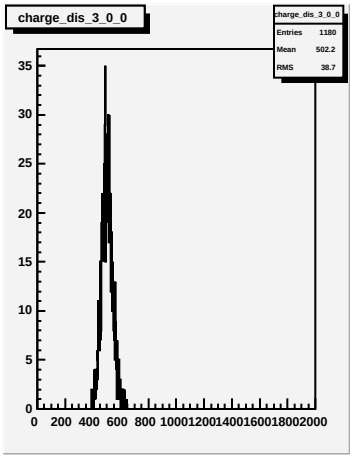
Entries 1180
Mean 25.11
RMS 11.49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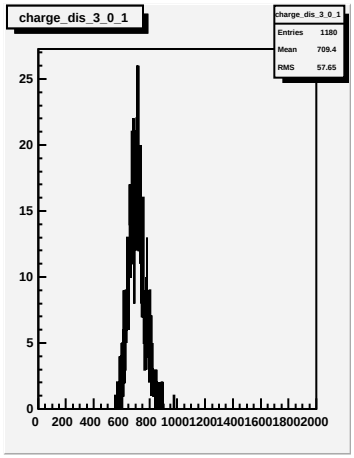
RMS 38.7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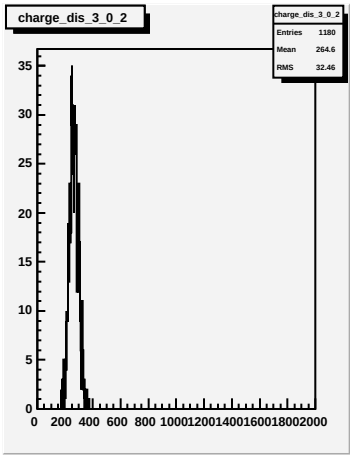
RMS 57.65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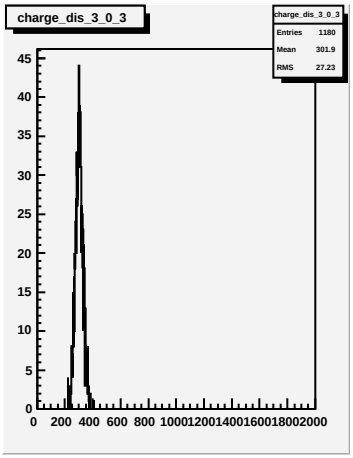
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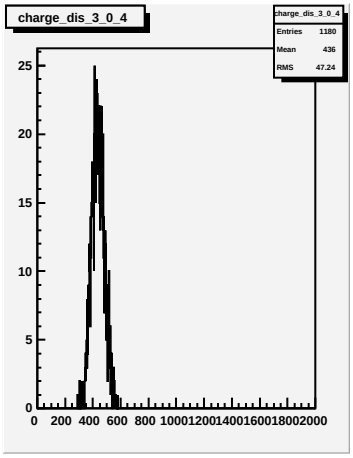
RMS 27.23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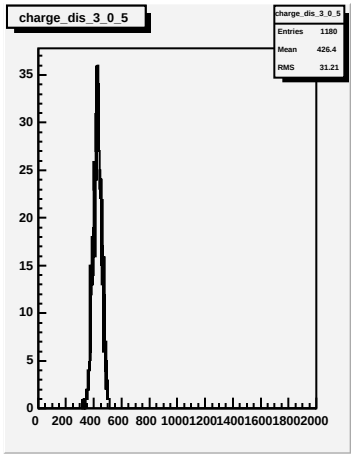
Mean 436
RMS 47.24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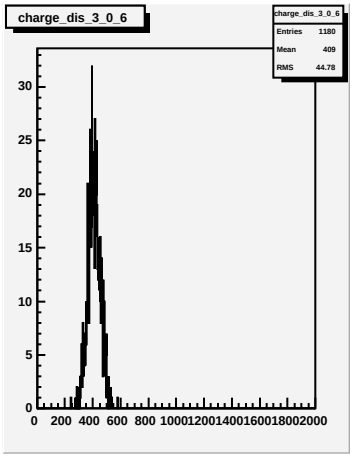
charge_dis_3_0_5
Entries 1180
Mean 426.4
RMS 31.21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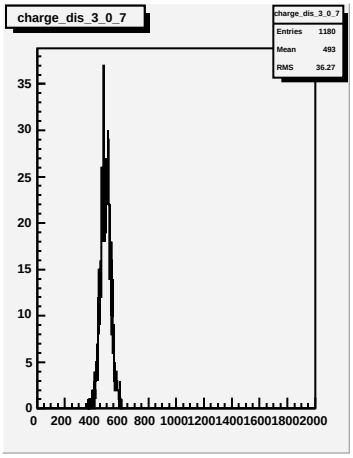
RMS 44.78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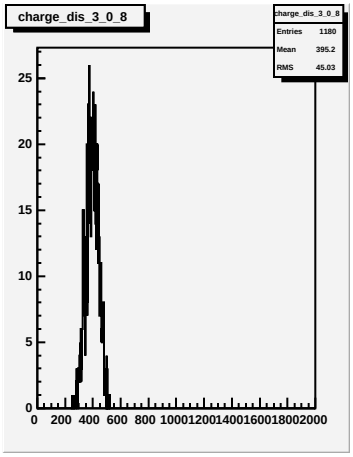
Entries 1180
Mean 493
RMS 36.27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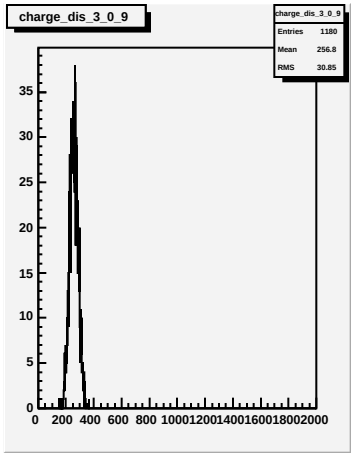
Mean 395.2
RMS 45.03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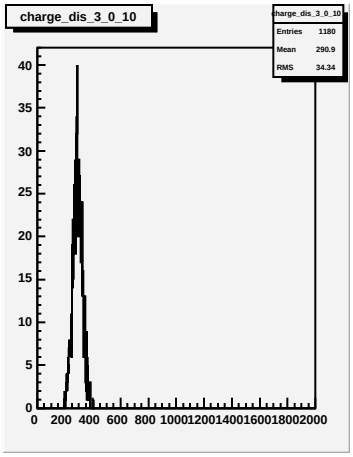
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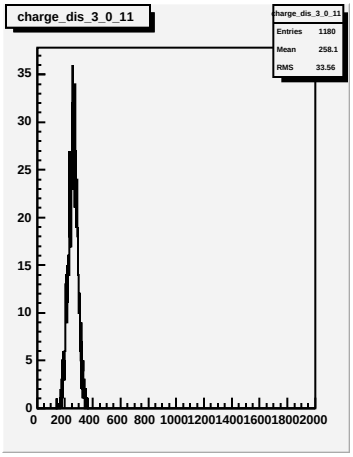
Mean 290.9
RMS 34.34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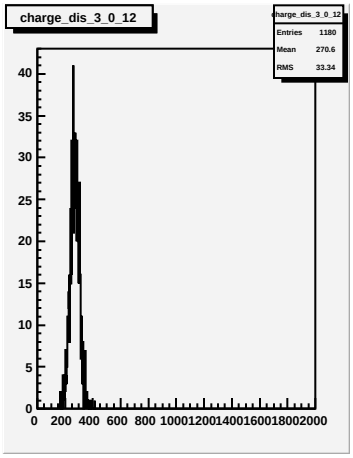
RMS 33.56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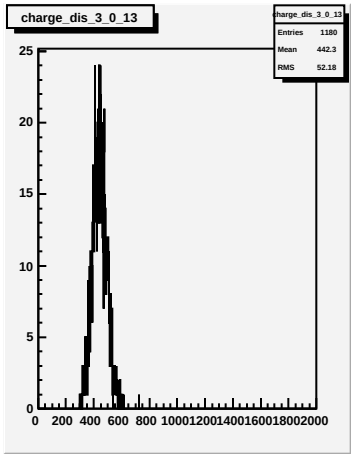
charge_dis_3_0_12
Entries 1180
Mean 270.6
RMS 33.34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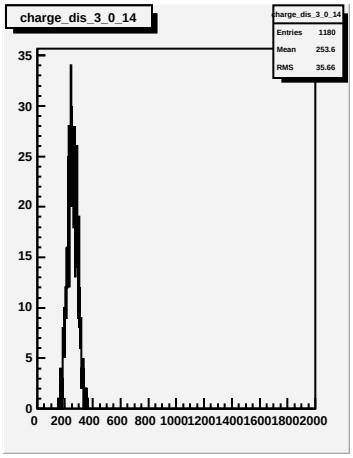
charge_dis_3_0_13
Entries 1180
Mean 442.3
RMS 52.18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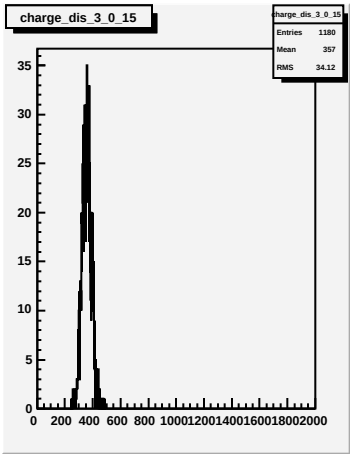
charge_dis_3_0_14
Entries 1180
Mean 253.6
RMS 35.66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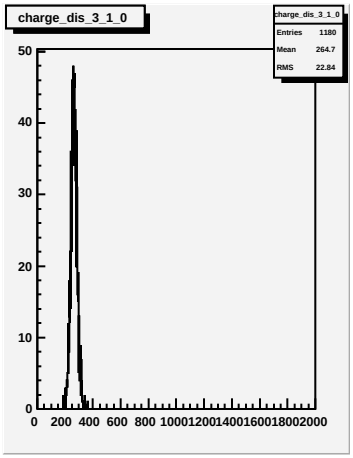
charge_dis_3_0_15
Entries 1180
Mean 357
RMS 34.12


charge_dis_3_1_0
charge_dis_3_1_0
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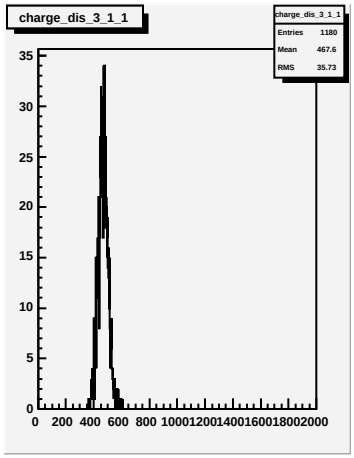
Mean 264.7
RMS 22.84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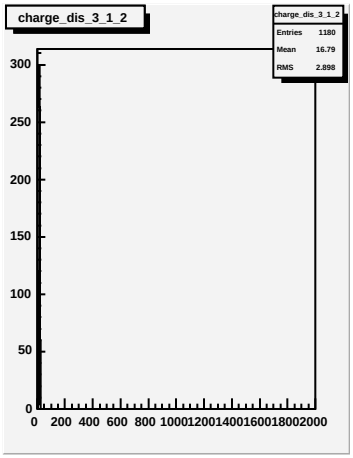
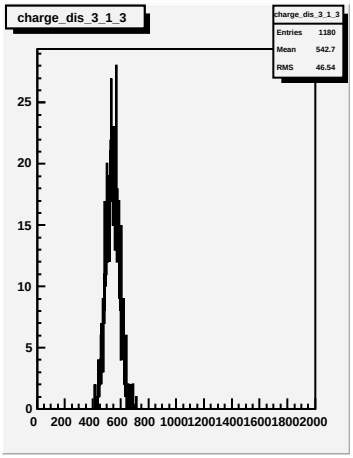
charge_dis_3_1_1
Entries 1180
Mean 467.6
RMS 35.73


charge_dis_3_1_2
charge_dis_3_1_2
Entries 1180
Mean 16.79
RMS 2.898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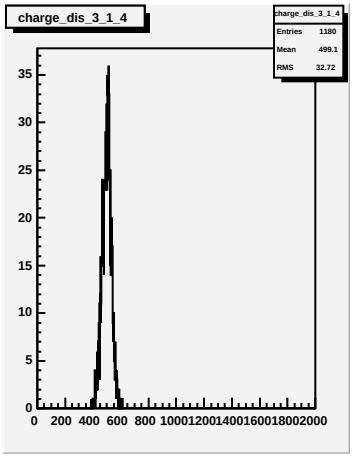
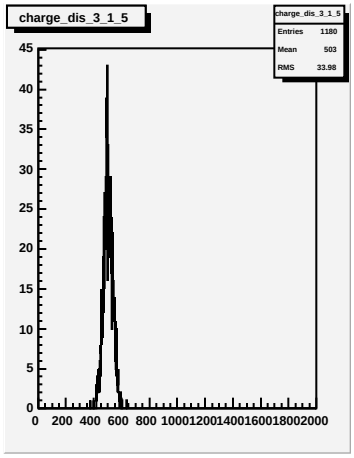
charge_dis_3_1_3
Entries 1180
Mean 542.7
RMS 46.54


charge_dis_3_1_4
charge_dis_3_1_4
Entries 1180
Mean 499.1
RMS 32.72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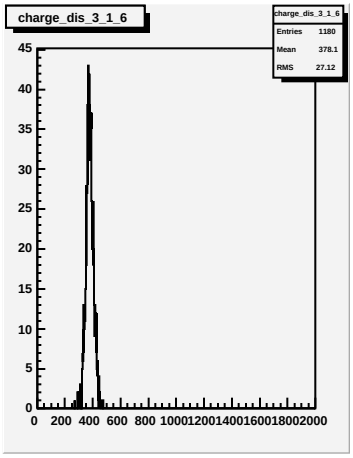
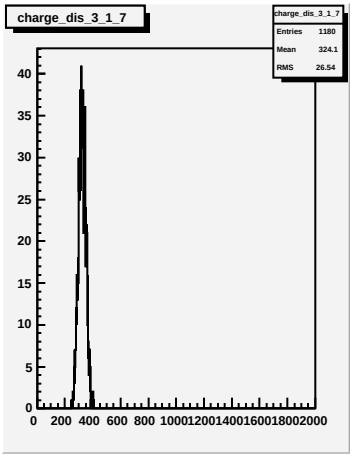
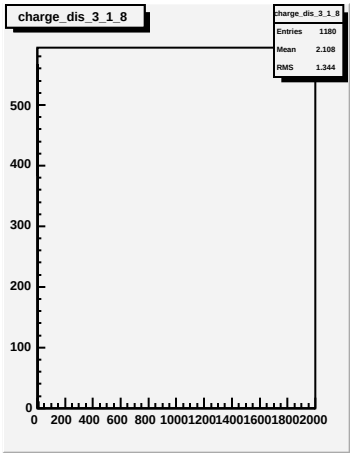
charge_dis_3_1_5
Entries 1180
Mean 503
RMS 33.98


charge_dis_3_1_6
charge_dis_3_1_6
Entries 1180
Mean 378.1
RMS 27.12


charge_dis_3_1_7
charge_dis_3_1_7
Entries 1180
Mean 324.1
RMS 26.54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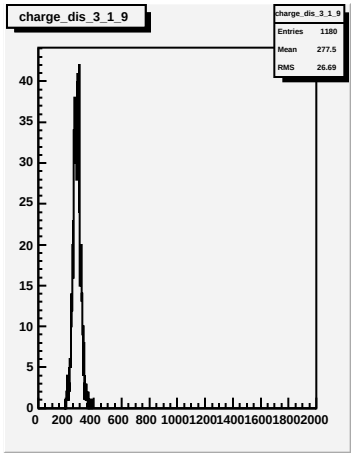
charge_dis_3_1_8
Entries 1180
Mean 2.108
RMS 1.344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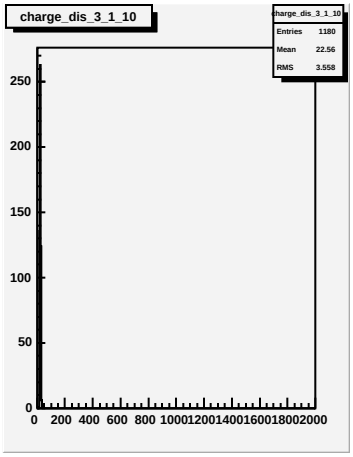
charge_dis_3_1_9
Entries 1180
Mean 277.5
RMS 26.69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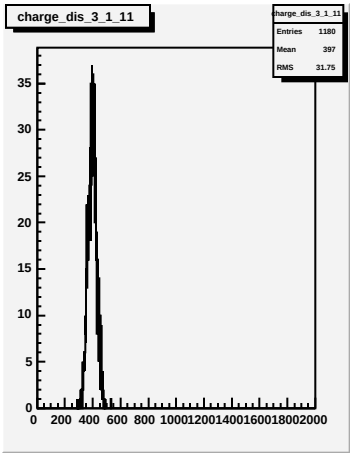
charge_dis_3_1_10
Entries 1180
Mean 22.56
RMS 3.558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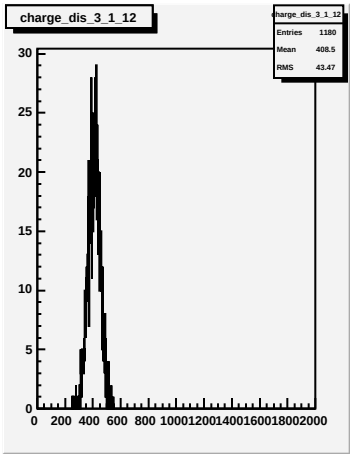
charge_dis_3_1_11
Entries 1180
Mean 397
RMS 31.75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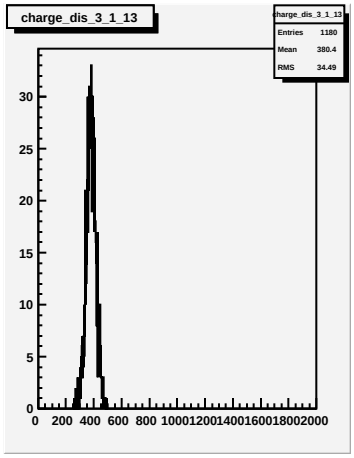
charge_dis_3_1_12
Entries 1180
Mean 408.5
RMS 43.47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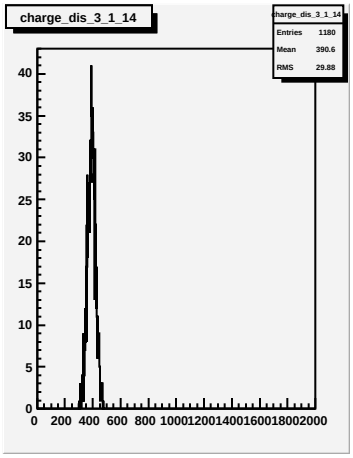
charge_dis_3_1_13
Entries 1180
Mean 380.4
RMS 34.49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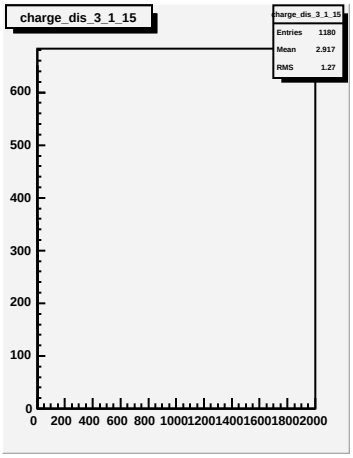
Entries 1180
Mean 390.6
RMS 29.88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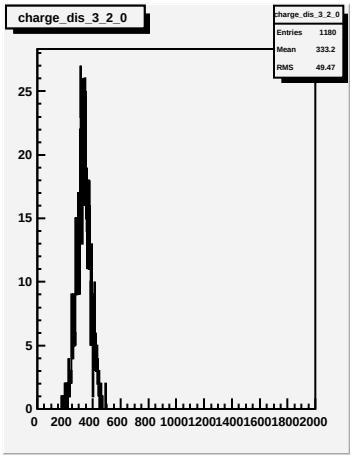
charge_dis_3_1_15
Entries 1180
Mean 2.917
RMS 1.27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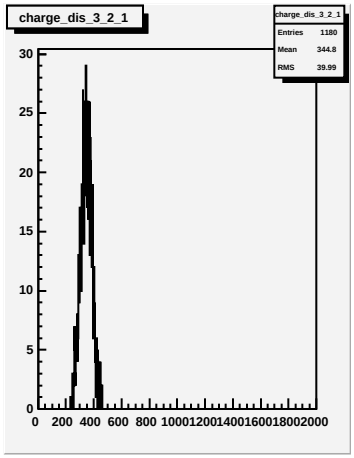
charge_dis_3_2_0
Entries 1180
Mean 333.2
RMS 49.47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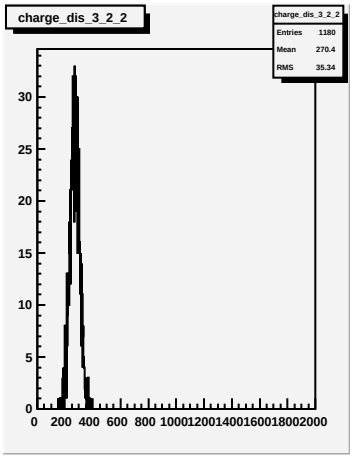
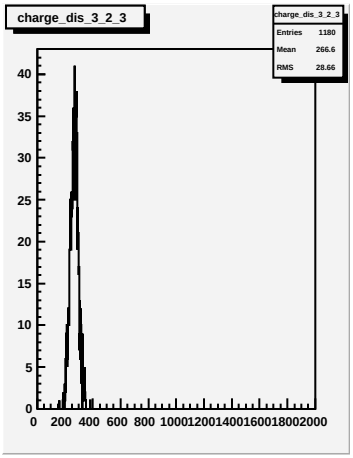
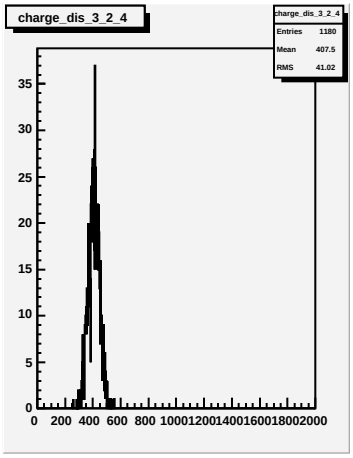
charge_dis_3_2_1
Entries 1180
Mean 344.8
RMS 39.99


charge_dis_3_2_2
charge_dis_3_2_2
Entries 1180
Mean 270.4
RMS 35.34


charge_dis_3_2_3
charge_dis_3_2_3
Entries 1180
Mean 266.6
RMS 28.66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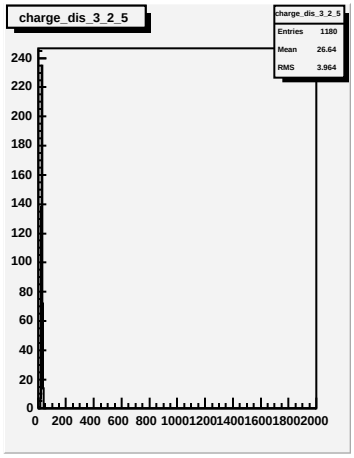
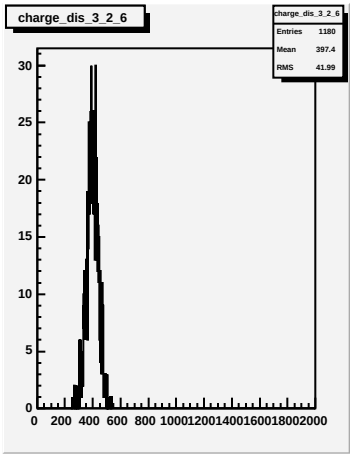
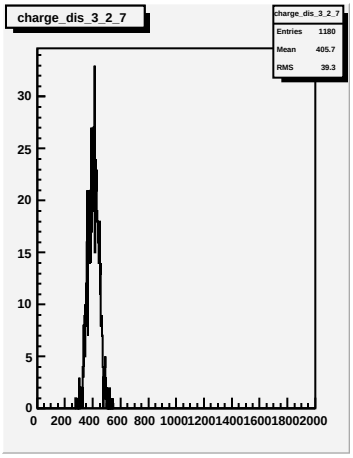
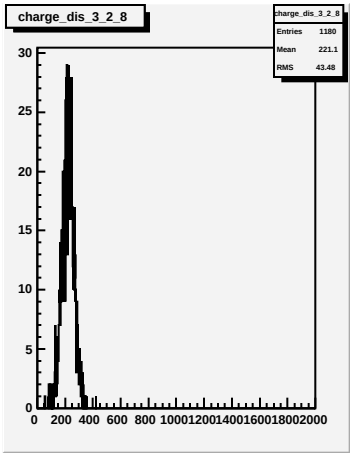
charge_dis_3_2_4
Entries 1180
Mean 407.5
RMS 41.02


charge_dis_3_2_5
charge_dis_3_2_5
Entries 1180
Mean 26.64
RMS 3.964


charge_dis_3_2_6
charge_dis_3_2_6
Entries 1180
Mean 397.4
RMS 41.99


charge_dis_3_2_7
charge_dis_3_2_7
Entries 1180
Mean 405.7
RMS 39.3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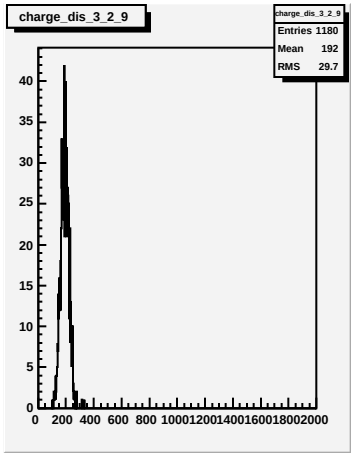
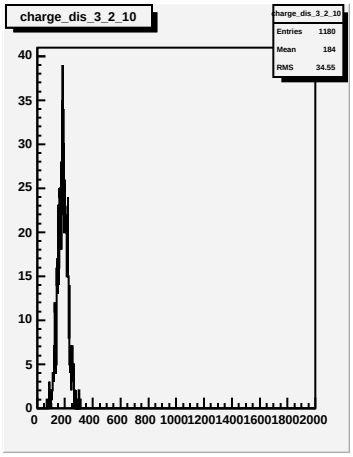
charge_dis_3_2_8
Entries 1180
Mean 221.1
RMS 43.48


charge_dis_3_2_9
charge_dis_3_2_9
Entries 1180
Mean 192
RMS 29.7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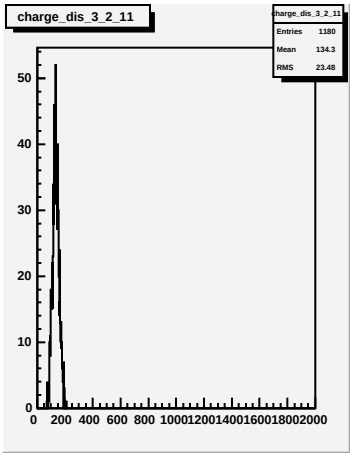
charge_dis_3_2_10
Entries 1180
Mean 184
RMS 34.55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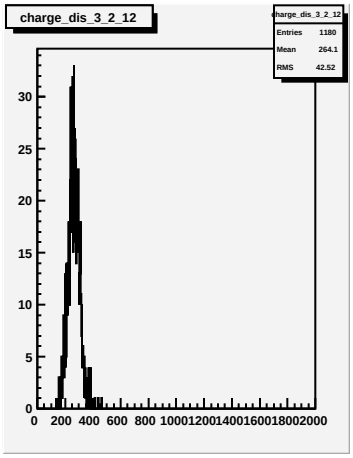
Entries 1180
Mean 134.3
RMS 23.48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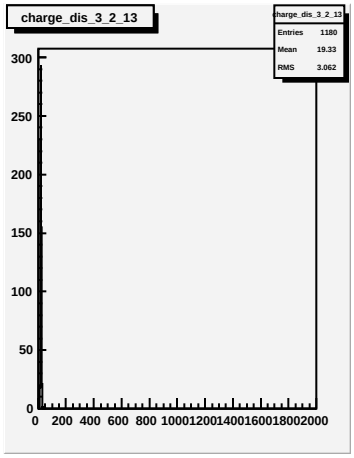
charge_dis_3_2_12
Entries 1180
Mean 264.1
RMS 42.52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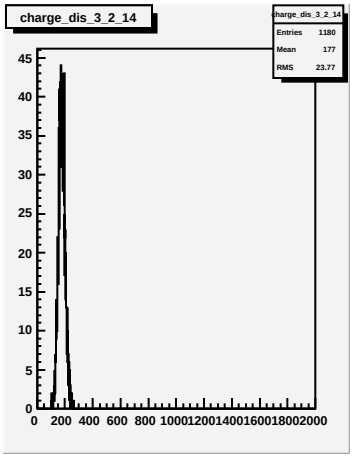
Entries 1180
Mean 19.33
RMS 3.062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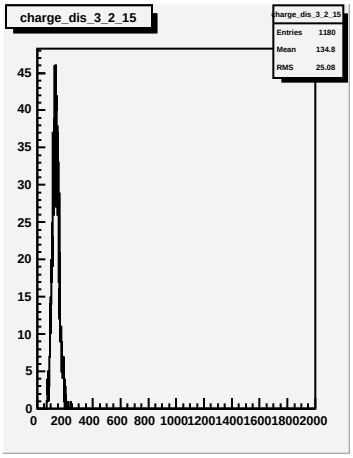
charge_dis_3_2_14
Entries 1180
Mean 177
RMS 23.77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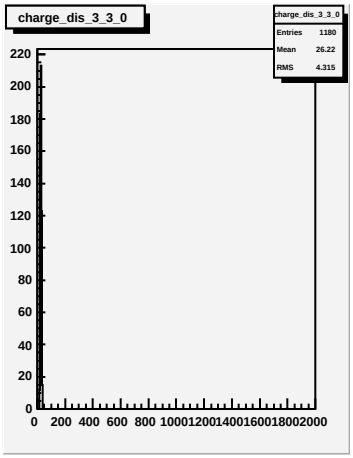
Entries 1180
Mean 134.8
RMS 25.08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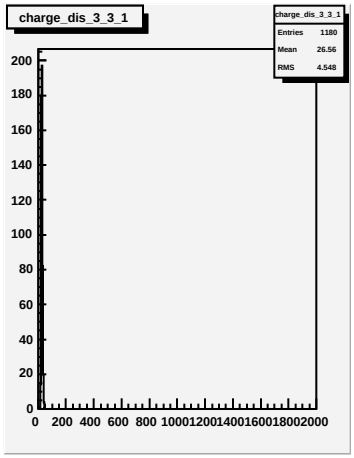
Entries 1180
Mean 26.22
RMS 4.315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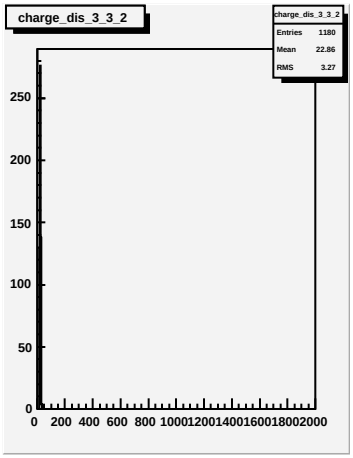
charge_dis_3_3_1
Entries 1180
Mean 26.56
RMS 4.548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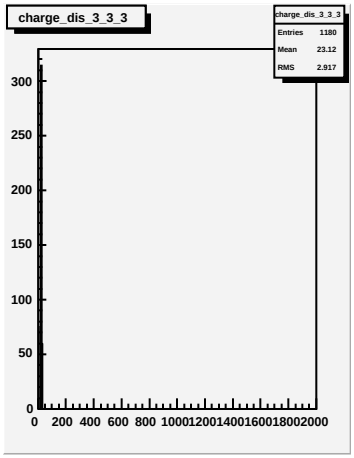
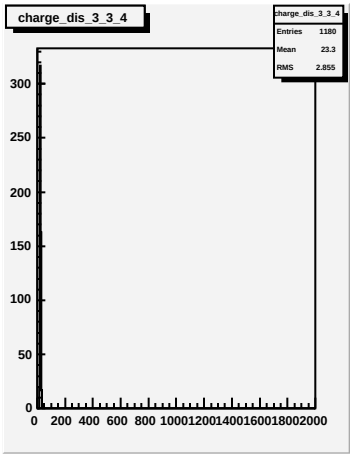
charge_dis_3_3_2
Entries 1180
Mean 22.86
RMS 3.27


charge_dis_3_3_3
charge_dis_3_3_3
Entries 1180
Mean 23.12
RMS 2.917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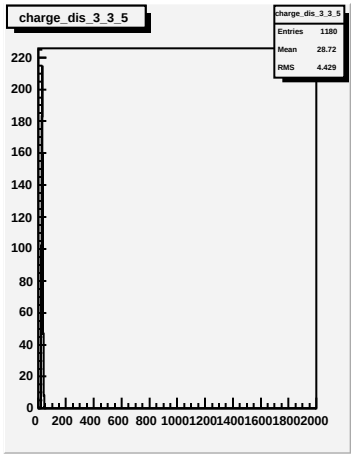
charge_dis_3_3_4
Entries 1180
Mean 23.3
RMS 2.855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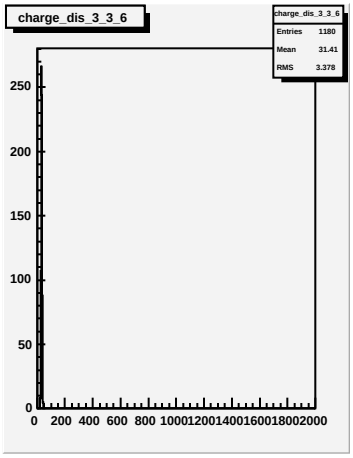
charge_dis_3_3_5
Entries 1180
Mean 28.72
RMS 4.429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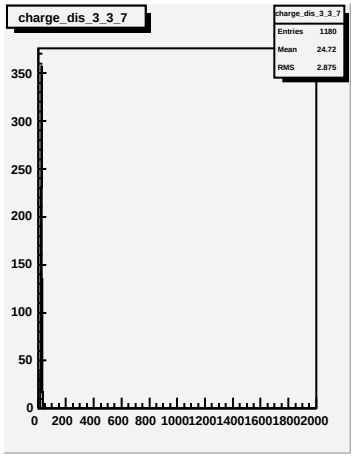
Entries 1180
Mean 31.41
RMS 3.378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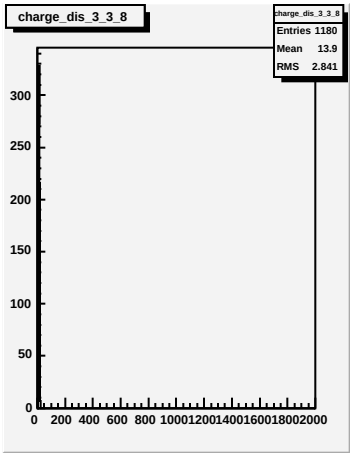
charge_dis_3_3_7
Entries 1180
Mean 24.72
RMS 2.875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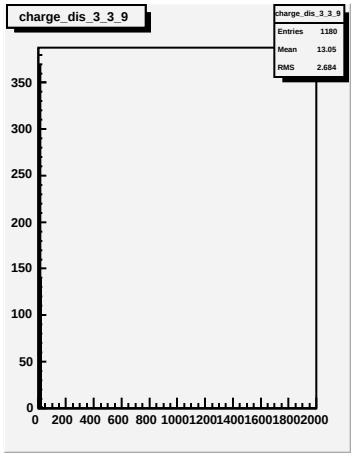
Entries 1180
Mean 13.9
RMS 2.841


charge_dis_3_3_9
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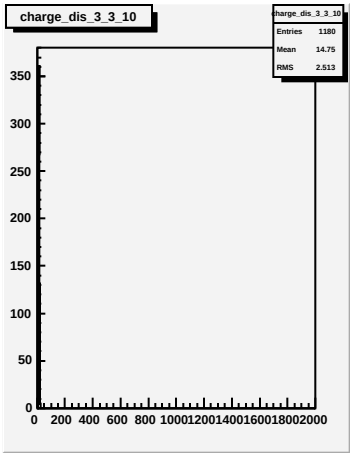
Entries 1180
Mean 13.05
RMS 2.684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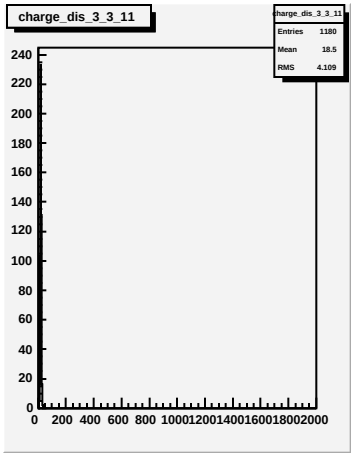
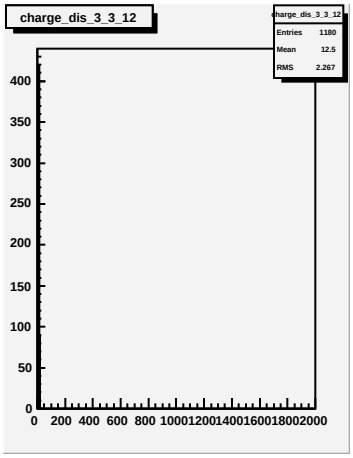
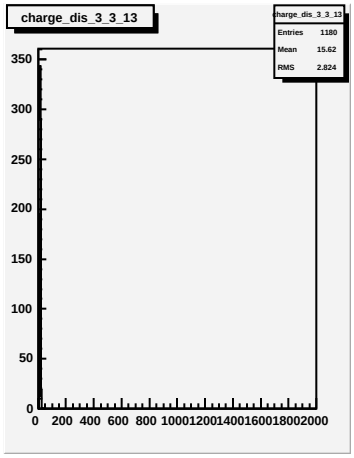
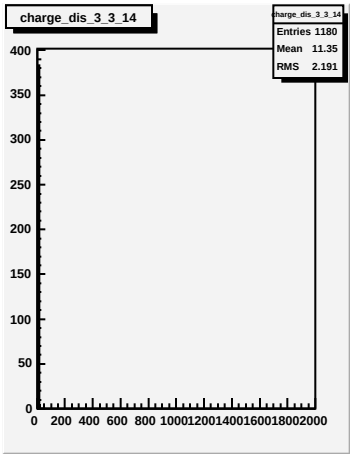
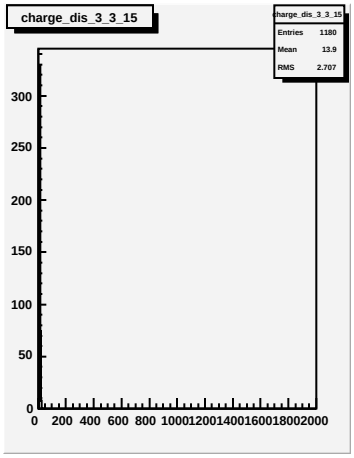
charge_dis_3_3_10
Entries 1180
Mean 14.75
RMS 2.513

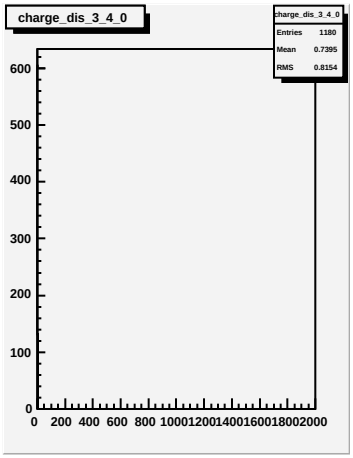

charge_dis_3_3_11
charge_dis_3_3_11
Entries 1180
Mean 18.5
RMS 4.109

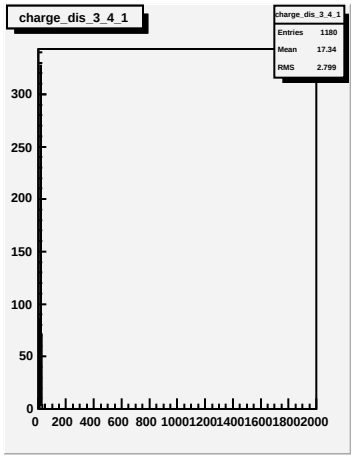

charge_dis_3_3_12
charge_dis_3_3_12
Entries 1180
Mean 12.5
RMS 2.267

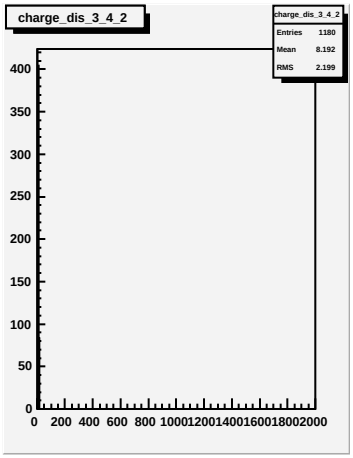

charge_dis_3_3_13
charge_dis_3_3_13
Entries 1180
Mean 15.62
RMS 2.824


charge_dis_3_3_14
charge_dis_3_3_14
Entries 1180
Mean 11.35
RMS 2.191


charge_dis_3_3_15
charge_dis_3_3_15
Entries 1180
Mean 13.9
RMS 2.707


charge_dis_3_4_0
charge_dis_3_4_0
Entries 1180
Mean 0.7395
RMS 0.8154


charge_dis_3_4_1
charge_dis_3_4_1
Entries 1180
Mean 17.34
RMS 2.799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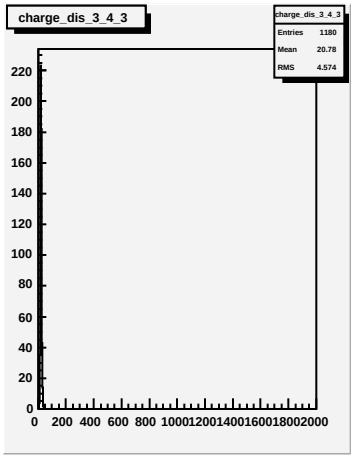
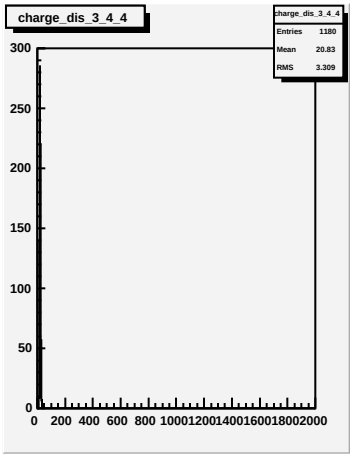
charge_dis_3_4_2
Entries 1180
Mean 8.192
RMS 2.199


charge_dis_3_4_3
charge_dis_3_4_3
Entries 1180
Mean 20.78
RMS 4.574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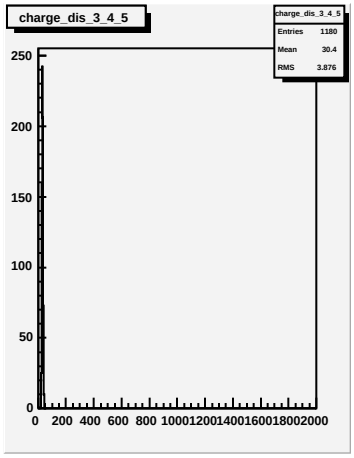
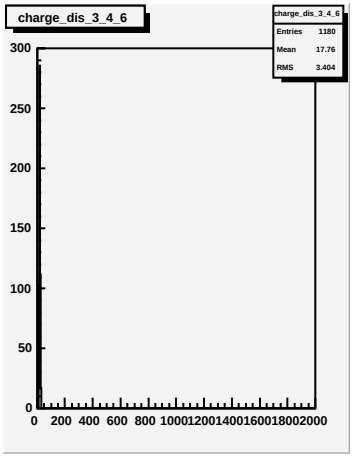
charge_dis_3_4_4
Entries 1180
Mean 20.83
RMS 3.309


charge_dis_3_4_5
charge_dis_3_4_5
Entries 1180
Mean 30.4
RMS 3.876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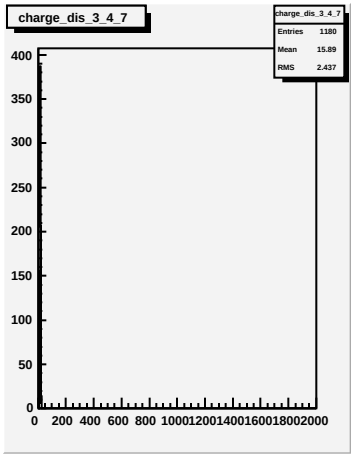
charge_dis_3_4_6
Entries 1180
Mean 17.76
RMS 3.404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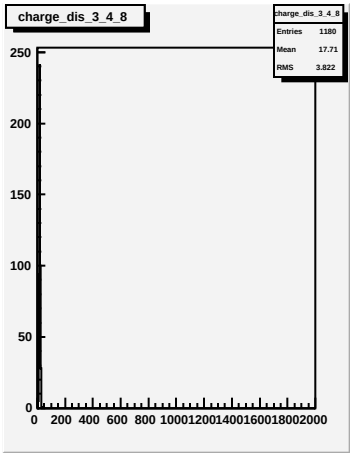
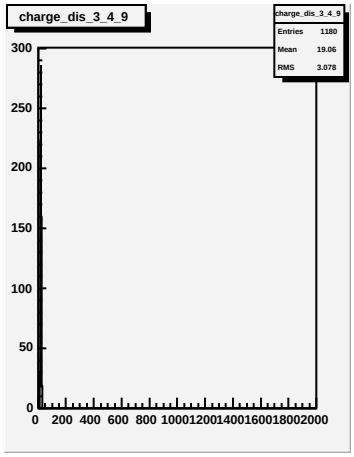
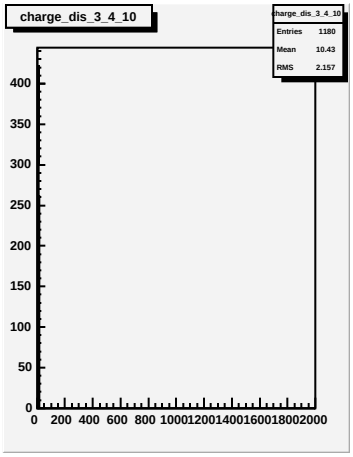
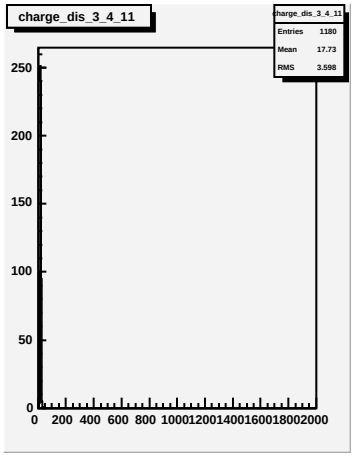
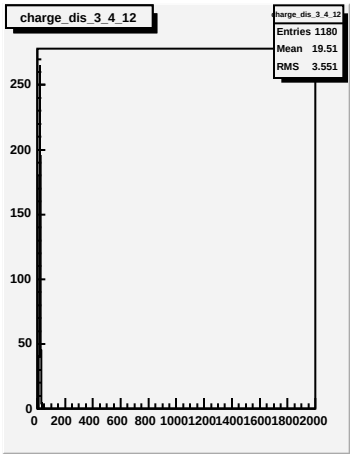
Entries 1180
Mean 15.89
RMS 2.437


charge_dis_3_4_8
charge_dis_3_4_8
Entries 1180
Mean 17.71
RMS 3.822


charge_dis_3_4_9
charge_dis_3_4_9
Entries 1180
Mean 19.06
RMS 3.078


charge_dis_3_4_10
charge_dis_3_4_10
Entries 1180
Mean 10.43
RMS 2.157


charge_dis_3_4_11
charge_dis_3_4_11
Entries 1180
Mean 17.73
RMS 3.598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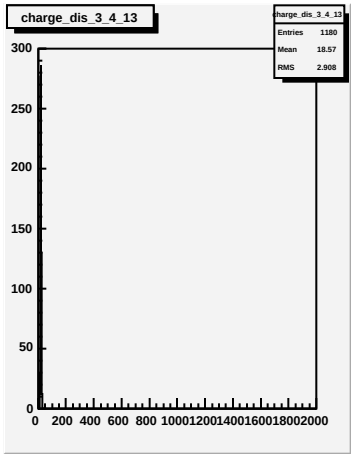
charge_dis_3_4_12
Entries 1180
Mean 19.51
RMS 3.551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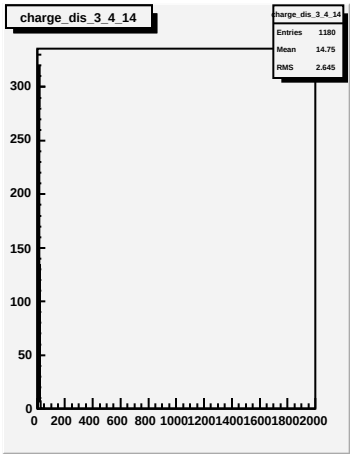
charge_dis_3_4_13
Entries 1180
Mean 18.57
RMS 2.908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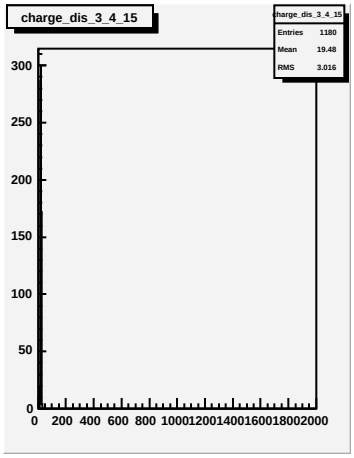
charge_dis_3_4_14
Entries 1180
Mean 14.75
RMS 2.645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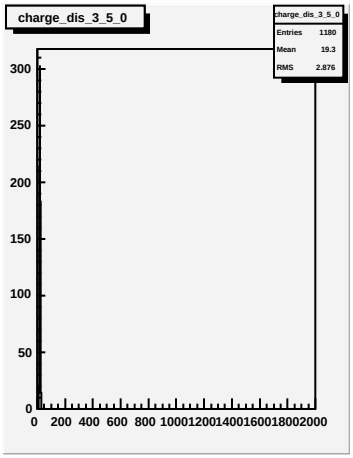
charge_dis_3_4_15
Entries 1180
Mean 19.48
RMS 3.016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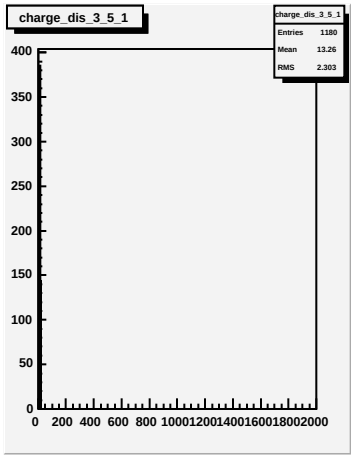
charge_dis_3_5_0
Entries 1180
Mean 19.3
RMS 2.876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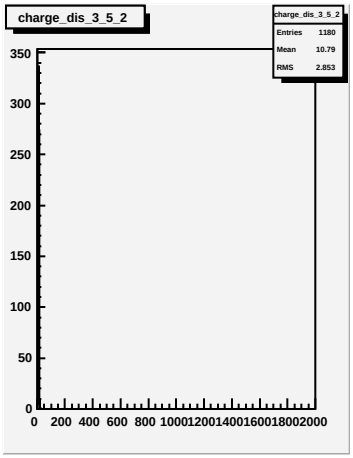
charge_dis_3_5_1
Entries 1180
Mean 13.26
RMS 2.303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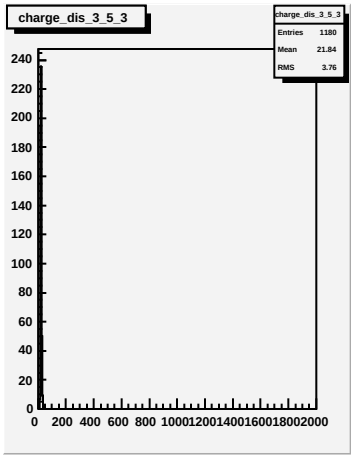
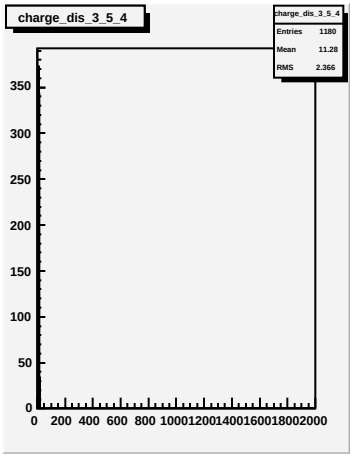
charge_dis_3_5_2
Entries 1180
Mean 10.79
RMS 2.853


charge_dis_3_5_3
charge_dis_3_5_3
Entries 1180
Mean 21.84
RMS 3.76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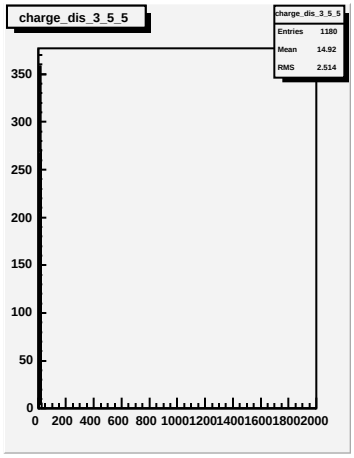
charge_dis_3_5_4
Entries 1180
Mean 11.28
RMS 2.366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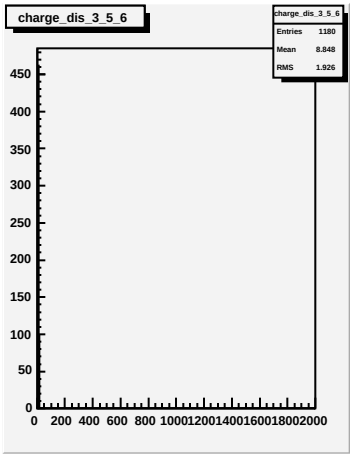
charge_dis_3_5_5
Entries 1180
Mean 14.92
RMS 2.514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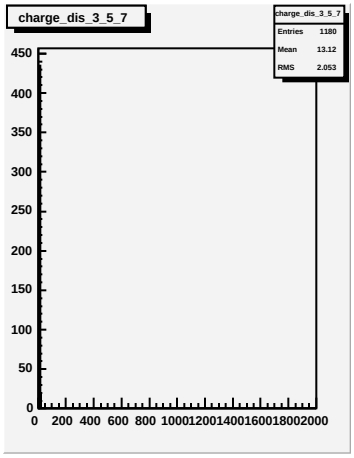
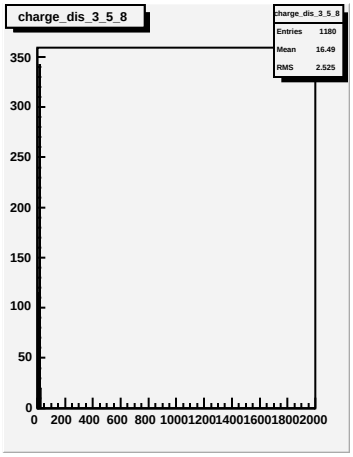
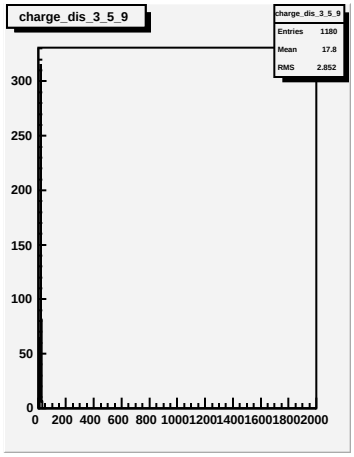
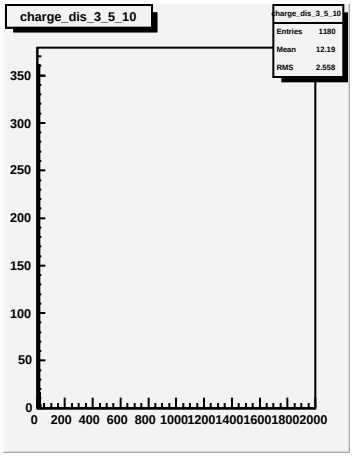
charge_dis_3_5_6
Entries 1180
Mean 8.848
RMS 1.926


charge_dis_3_5_7
charge_dis_3_5_7
Entries 1180
Mean 13.12
RMS 2.053


charge_dis_3_5_8
charge_dis_3_5_8
Entries 1180
Mean 16.49
RMS 2.525


charge_dis_3_5_9
charge_dis_3_5_9
Entries 1180
Mean 17.8
RMS 2.852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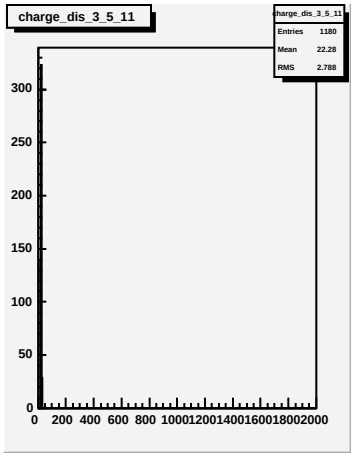
charge_dis_3_5_10
Entries 1180
Mean 12.19
RMS 2.558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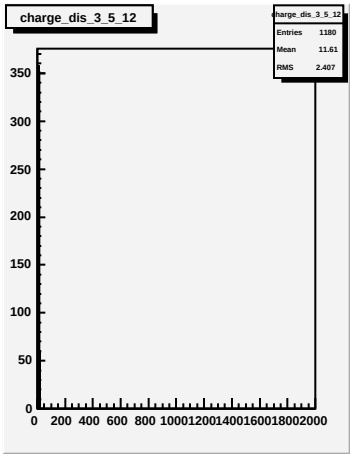
charge_dis_3_5_11
Entries 1180
Mean 22.28
RMS 2.788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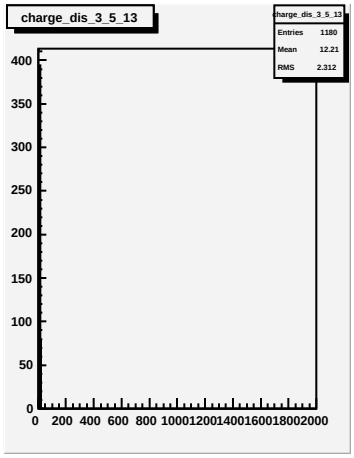
charge_dis_3_5_12
Entries 1180
Mean 11.61
RMS 2.407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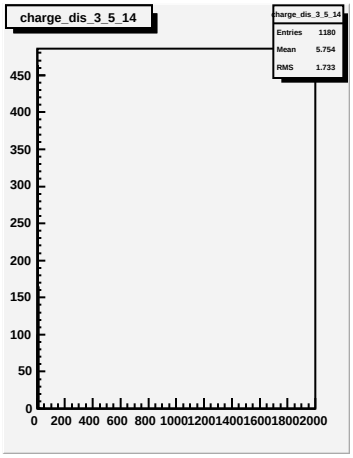
Entries 1180
Mean 12.21
RMS 2.312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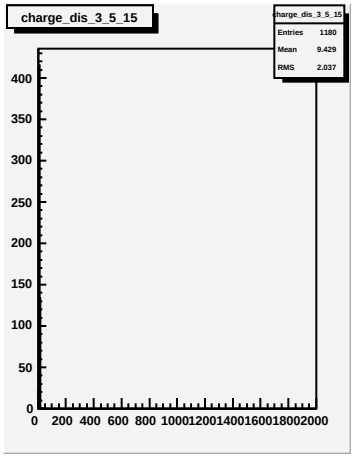
Entries 1180
Mean 5.754
RMS 1.733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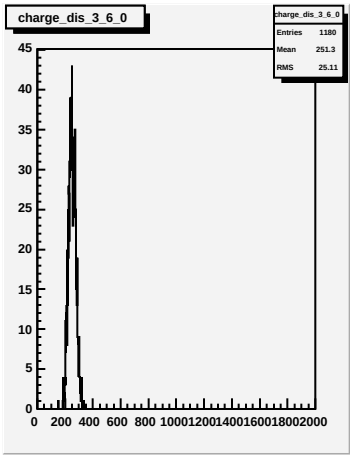
Entries 1180
Mean 9.429
RMS 2.037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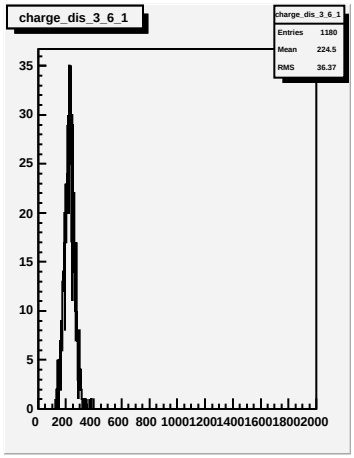
Entries 1180
Mean 251.3
RMS 25.11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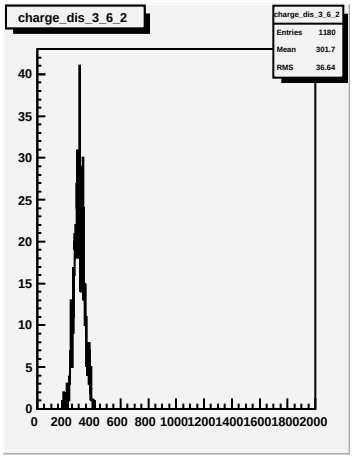
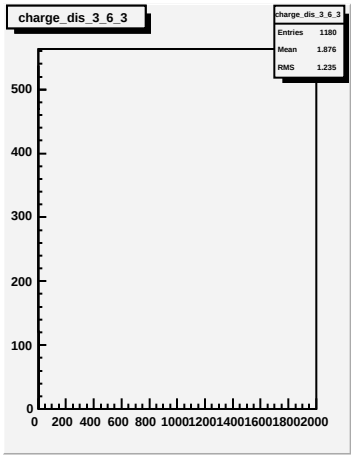
charge_dis_3_6_1
Entries 1180
Mean 224.5
RMS 36.37


charge_dis_3_6_2
charge_dis_3_6_2
Entries 1180
Mean 301.7
RMS 36.64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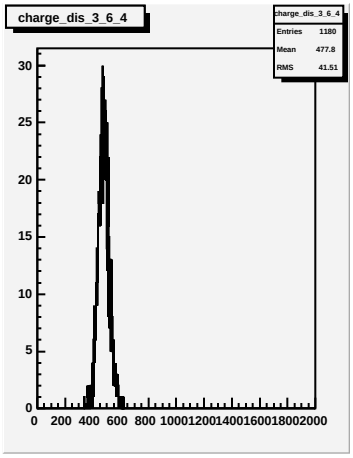
charge_dis_3_6_3
Entries 1180
Mean 1.876
RMS 1.235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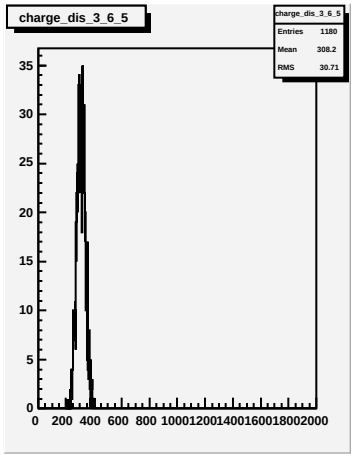
charge_dis_3_6_4
Entries 1180
Mean 477.8
RMS 41.51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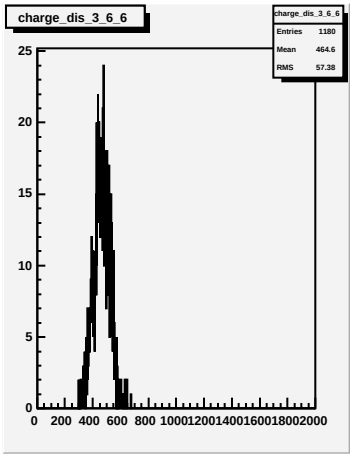
charge_dis_3_6_5
Entries 1180
Mean 308.2
RMS 30.71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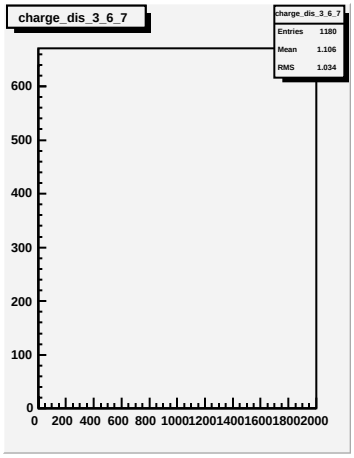
charge_dis_3_6_6
Entries 1180
Mean 464.6
RMS 57.38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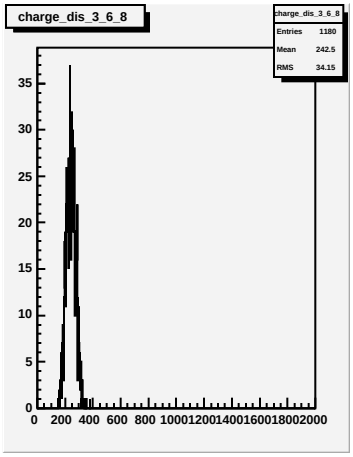
charge_dis_3_6_7
Entries 1180
Mean 1.106
RMS 1.034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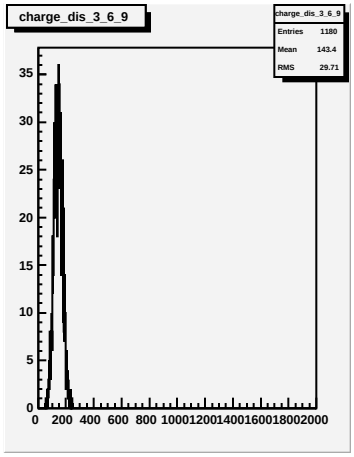
Entries 1180
Mean 242.5
RMS 34.15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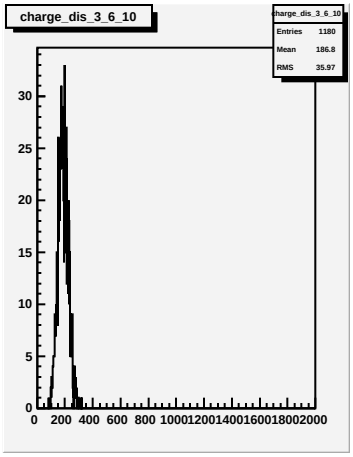
charge_dis_3_6_9
Entries 1180
Mean 143.4
RMS 29.71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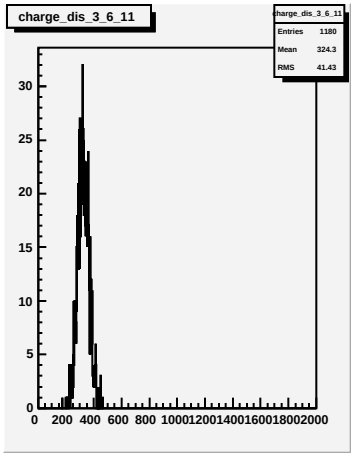
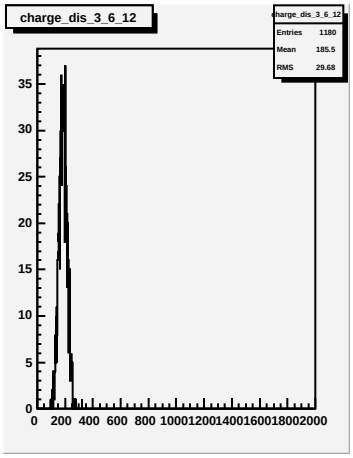
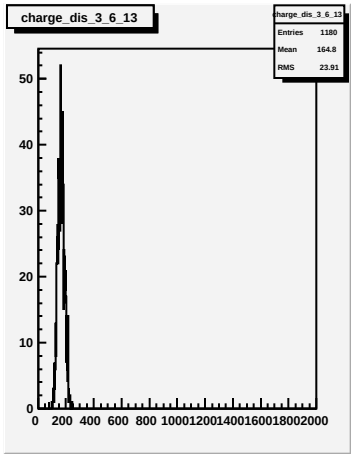
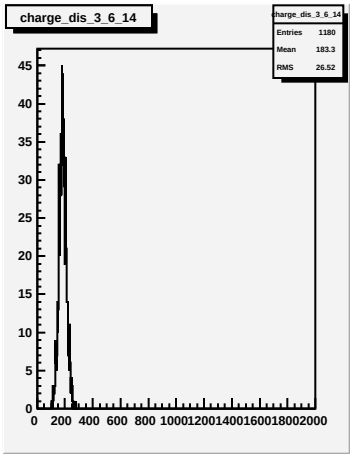
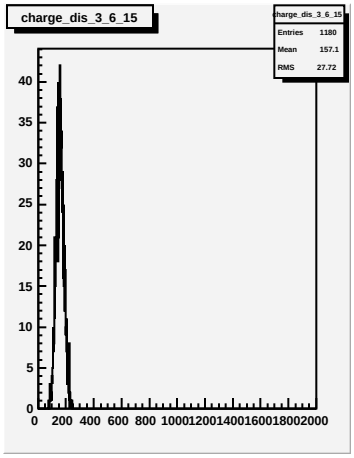
charge_dis_3_6_10
Entries 1180
Mean 186.8
RMS 35.97

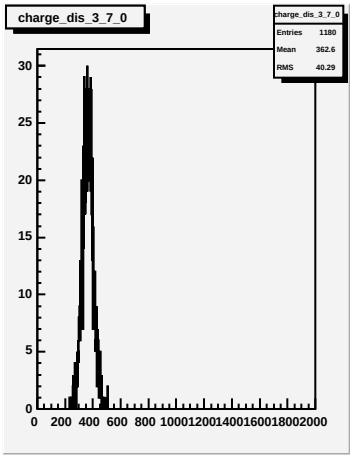

charge_dis_3_6_11
charge_dis_3_6_11
Entries 1180
Mean 324.3
RMS 41.43

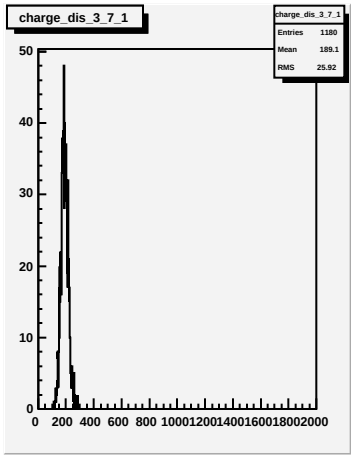

charge_dis_3_6_12
charge_dis_3_6_12
Entries 1180
Mean 185.5
RMS 29.68

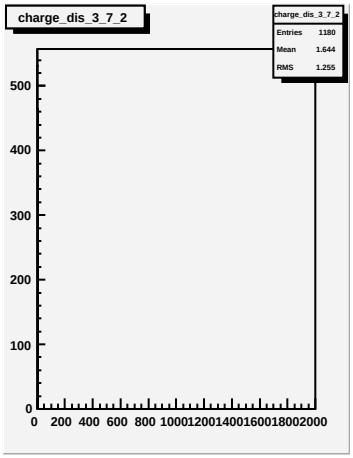

charge_dis_3_6_13
charge_dis_3_6_13
Entries 1180
Mean 164.8
RMS 23.91


charge_dis_3_6_14
charge_dis_3_6_14
Entries 1180
Mean 183.3
RMS 26.52


charge_dis_3_6_15
charge_dis_3_6_15
Entries 1180
Mean 157.1
RMS 27.72


charge_dis_3_7_0
charge_dis_3_7_0
Entries 1180
Mean 362.6
RMS 40.29


charge_dis_3_7_1
charge_dis_3_7_1
Entries 1180
Mean 189.1
RMS 25.92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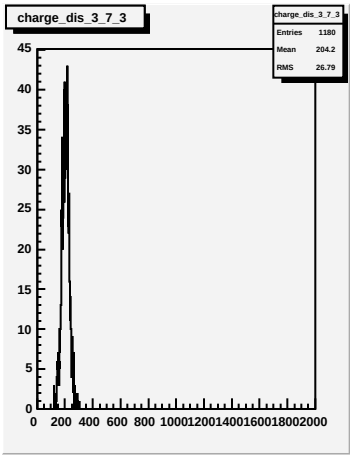
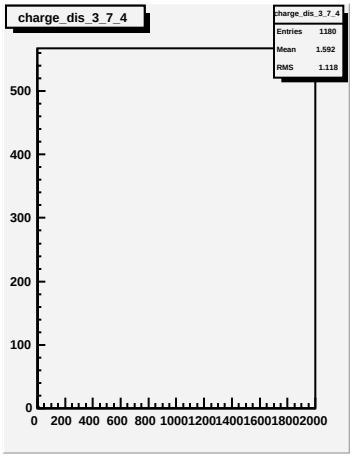
charge_dis_3_7_2
Entries 1180
Mean 1.644
RMS 1.255


charge_dis_3_7_3
charge_dis_3_7_3
Entries 1180
Mean 204.2
RMS 26.79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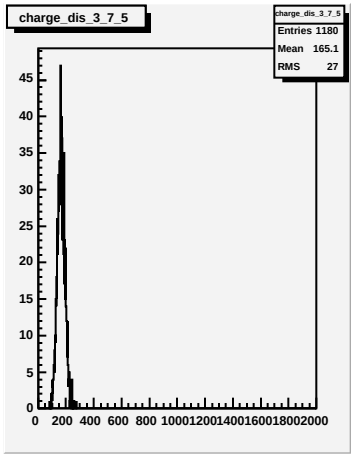
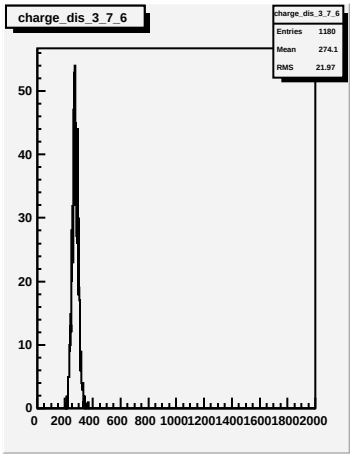
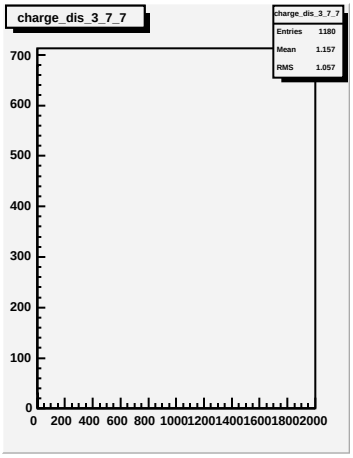
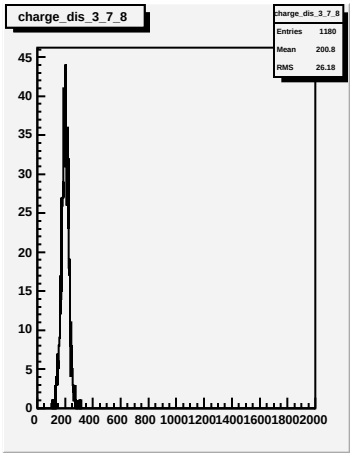
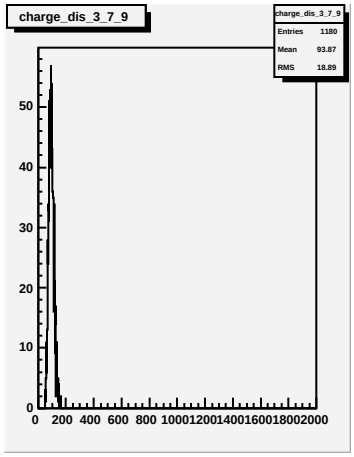
charge_dis_3_7_4
Entries 1180
Mean 1.592
RMS 1.118

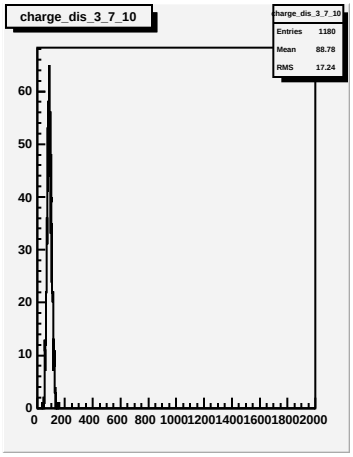

charge_dis_3_7_5
charge_dis_3_7_5
Entries 1180
Mean 165.1
RMS 27

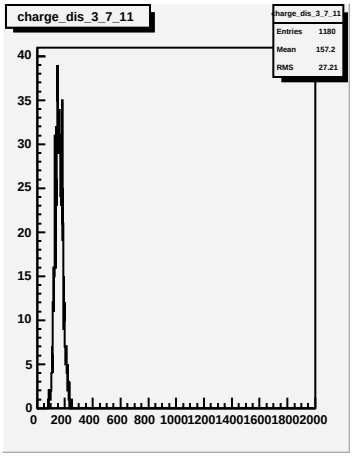

charge_dis_3_7_6
charge_dis_3_7_6
Entries 1180
Mean 274.1
RMS 21.97

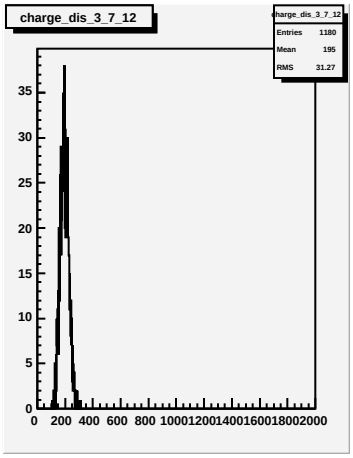

charge_dis_3_7_7
charge_dis_3_7_7
Entries 1180
Mean 1.157
RMS 1.057

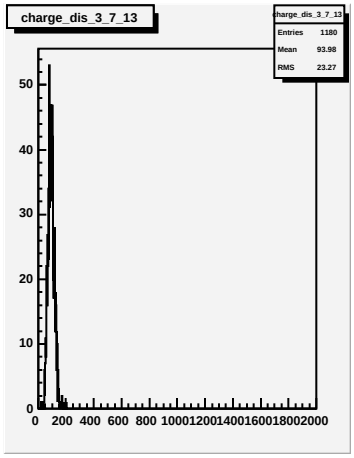

charge_dis_3_7_8
charge_dis_3_7_8
Entries 1180
Mean 200.8
RMS 26.18

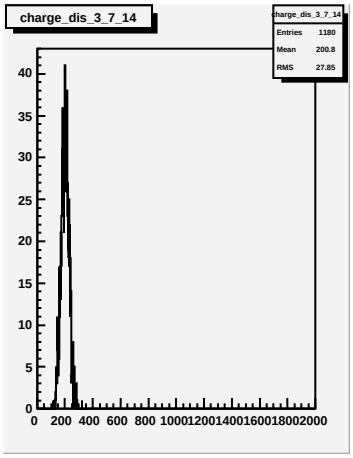

charge_dis_3_7_9
charge_dis_3_7_9
Entries 1180
Mean 93.87
RMS 18.89

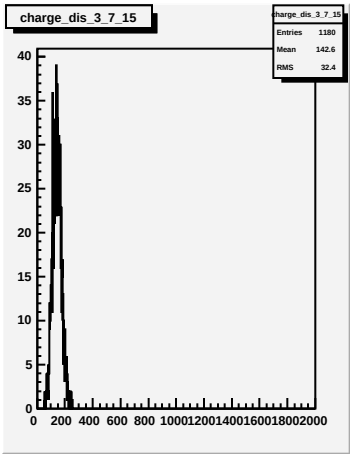

charge_dis_3_7_10
charge_dis_3_7_10
Entries 1180
Mean 88.78
RMS 17.24


charge_dis_3_7_11
charge_dis_3_7_11
Entries 1180
Mean 157.2
RMS 27.21


charge_dis_3_7_12
charge_dis_3_7_12
Entries 1180
Mean 195
RMS 31.27


charge_dis_3_7_13
charge_dis_3_7_13
Entries 1180
Mean 93.98
RMS 23.27


charge_dis_3_7_14
charge_dis_3_7_14
Entries 1180
Mean 200.8
RMS 27.85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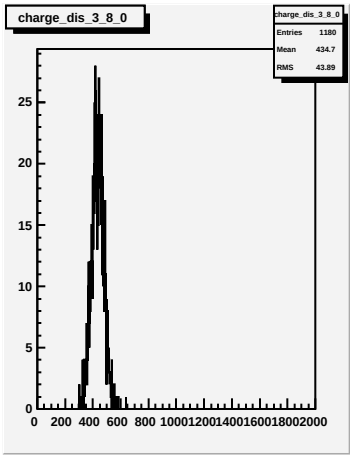
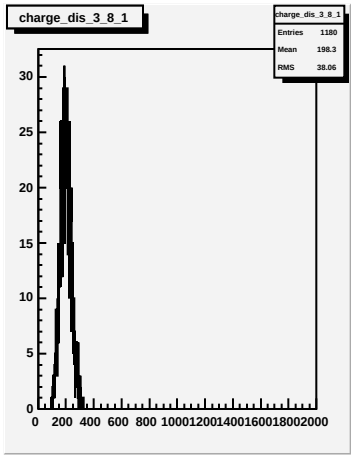
charge_dis_3_7_15
Entries 1180
Mean 142.6
RMS 32.4


charge_dis_3_8_0
charge_dis_3_8_0
Entries 1180
Mean 434.7
RMS 43.89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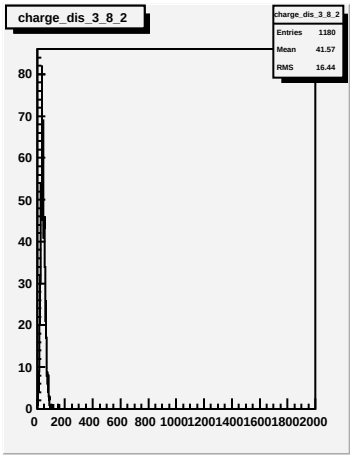
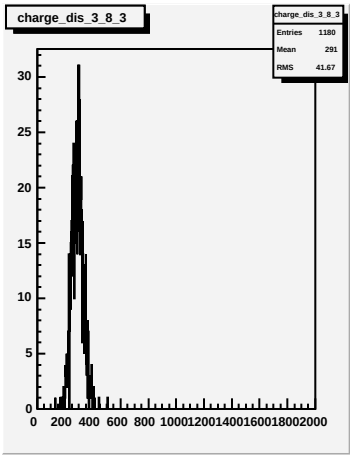
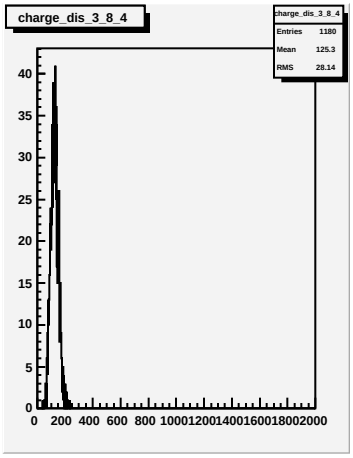
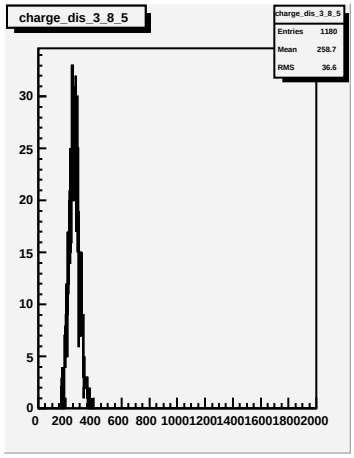
charge_dis_3_8_1
Entries 1180
Mean 198.3
RMS 38.06


charge_dis_3_8_2
charge_dis_3_8_2
Entries 1180
Mean 41.57
RMS 16.44


charge_dis_3_8_3
charge_dis_3_8_3
Entries 1180
Mean 291
RMS 41.67


charge_dis_3_8_4
charge_dis_3_8_4
Entries 1180
Mean 125.3
RMS 28.14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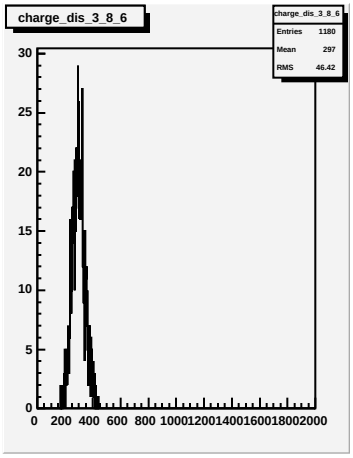
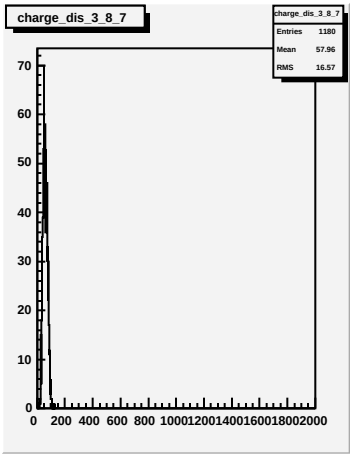
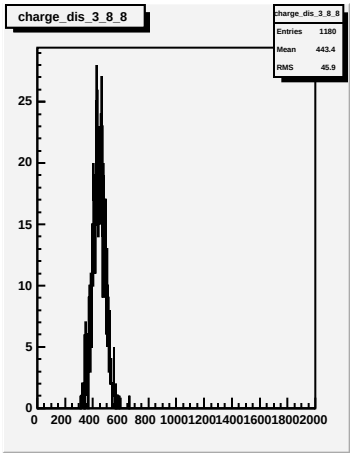
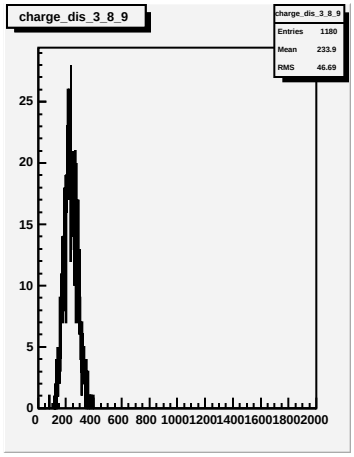
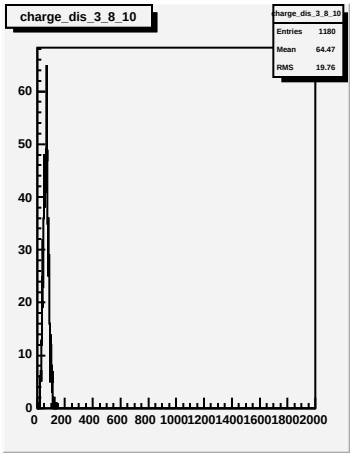
charge_dis_3_8_5
Entries 1180
Mean 258.7
RMS 36.6


charge_dis_3_8_6
charge_dis_3_8_6
Entries 1180
Mean 297
RMS 46.42


charge_dis_3_8_7
charge_dis_3_8_7
Entries 1180
Mean 57.96
RMS 16.57


charge_dis_3_8_8
charge_dis_3_8_8
Entries 1180
Mean 443.4
RMS 45.9


charge_dis_3_8_9
charge_dis_3_8_9
Entries 1180
Mean 233.9
RMS 46.69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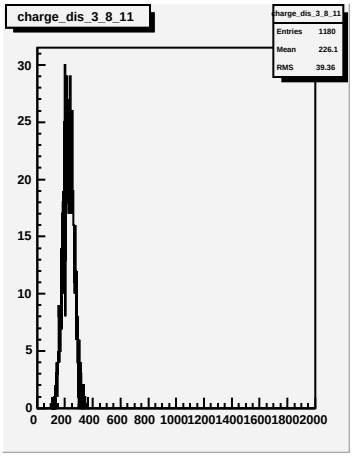
charge_dis_3_8_10
Entries 1180
Mean 64.47
RMS 19.76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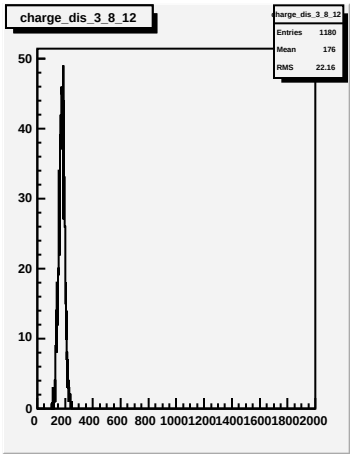
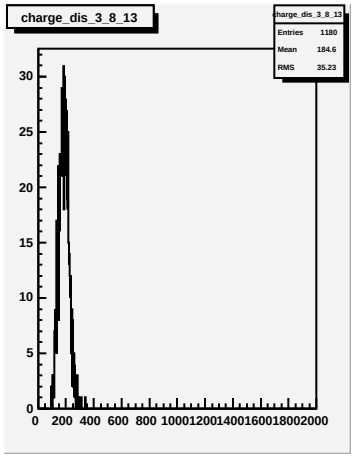
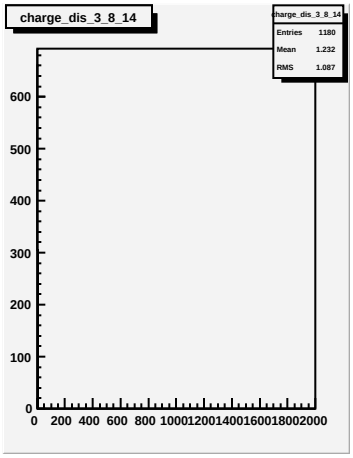
charge_dis_3_8_11
Entries 1180
Mean 226.1
RMS 39.36


charge_dis_3_8_12
charge_dis_3_8_12
Entries 1180
Mean 176
RMS 22.16


charge_dis_3_8_13
charge_dis_3_8_13
Entries 1180
Mean 184.6
RMS 35.23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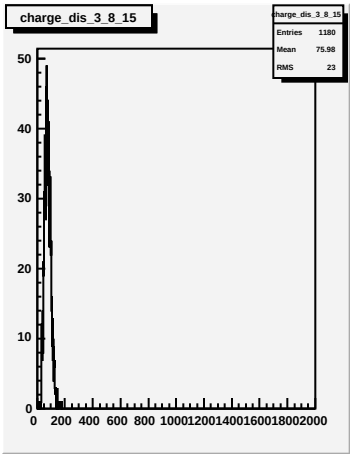
Entries 1180
Mean 1.232
RMS 1.087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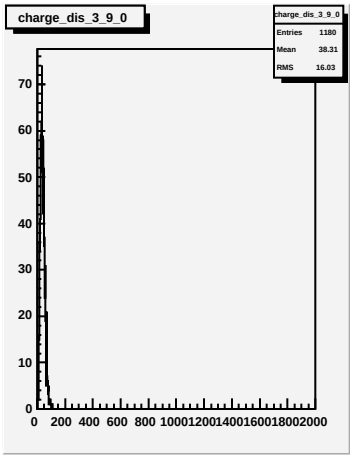
charge_dis_3_8_15
Entries 1180
Mean 75.98
RMS 23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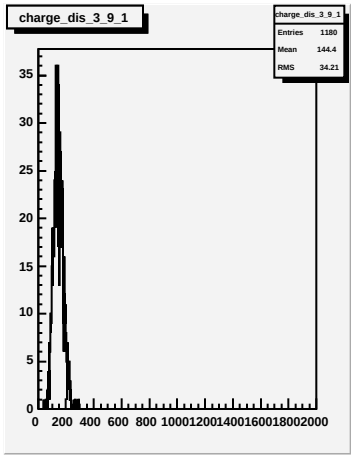
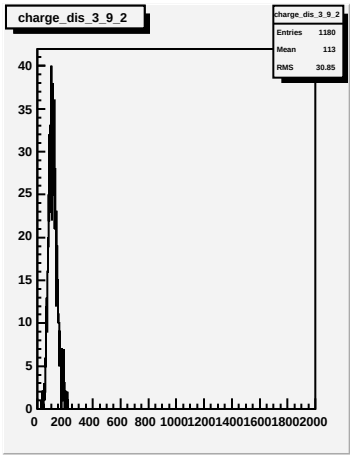
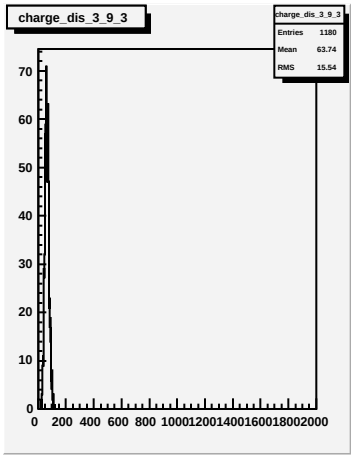
Entries 1180
Mean 38.31
RMS 16.03


charge_dis_3_9_1
charge_dis_3_9_1
Entries 1180
Mean 144.4
RMS 34.21


charge_dis_3_9_2
charge_dis_3_9_2
Entries 1180
Mean 113
RMS 30.85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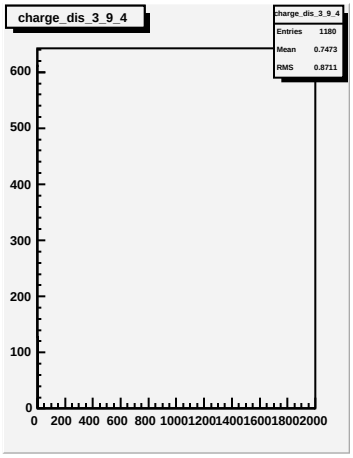
charge_dis_3_9_3
Entries 1180
Mean 63.74
RMS 15.54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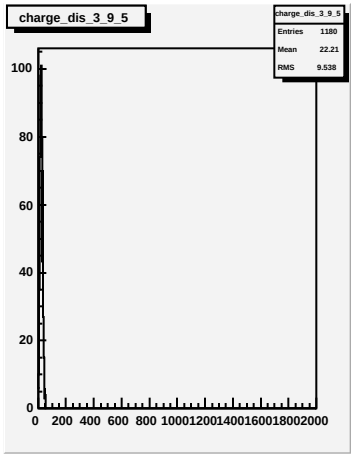
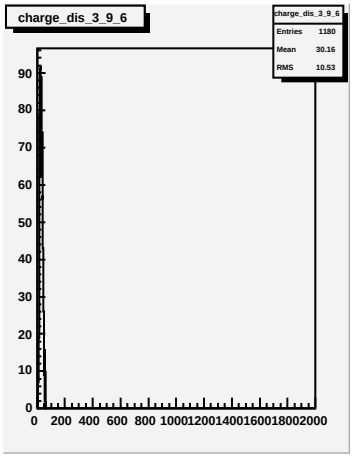
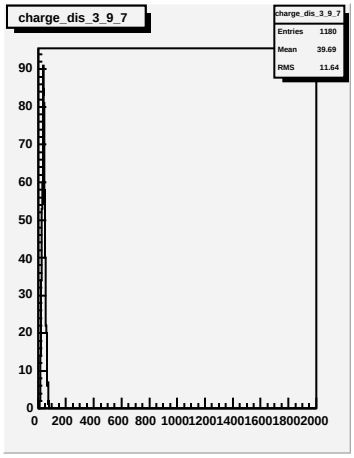
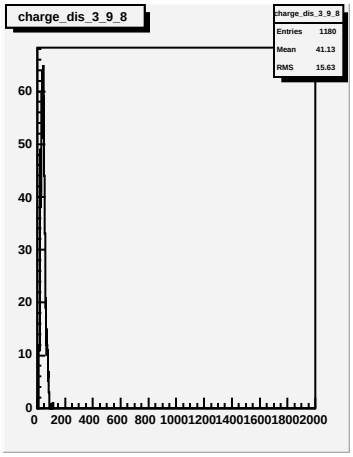
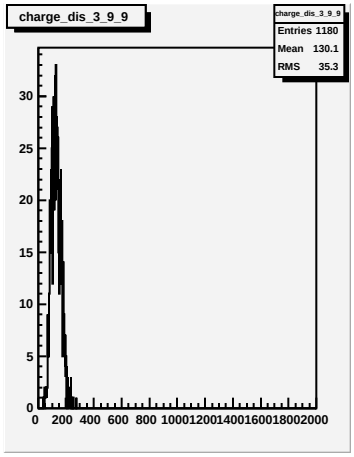
charge_dis_3_9_4
Entries 1180
Mean 0.7473
RMS 0.8711


charge_dis_3_9_5
charge_dis_3_9_5
Entries 1180
Mean 22.21
RMS 9.538


charge_dis_3_9_6
charge_dis_3_9_6
Entries 1180
Mean 30.16
RMS 10.53


charge_dis_3_9_7
charge_dis_3_9_7
Entries 1180
Mean 39.69
RMS 11.64


charge_dis_3_9_8
charge_dis_3_9_8
Entries 1180
Mean 41.13
RMS 15.63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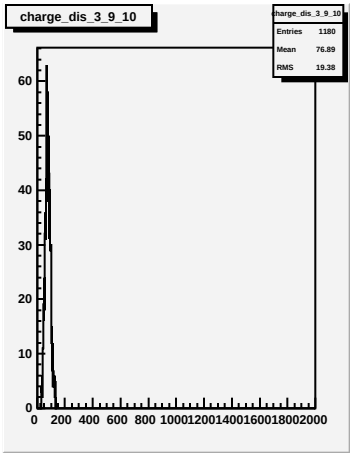
charge_dis_3_9_9
Entries 1180
Mean 130.1
RMS 35.3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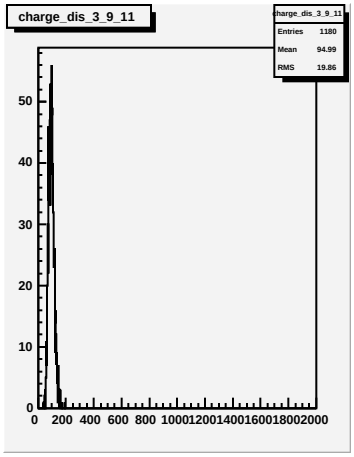
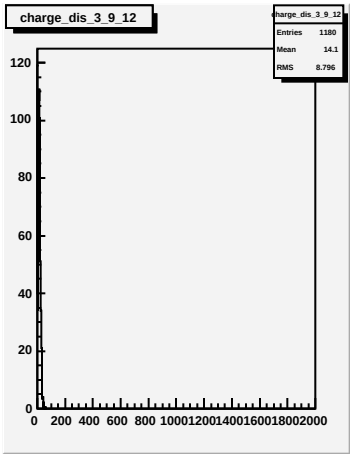
charge_dis_3_9_10
Entries 1180
Mean 76.89
RMS 19.38


charge_dis_3_9_11
charge_dis_3_9_11
Entries 1180
Mean 94.99
RMS 19.86


charge_dis_3_9_12
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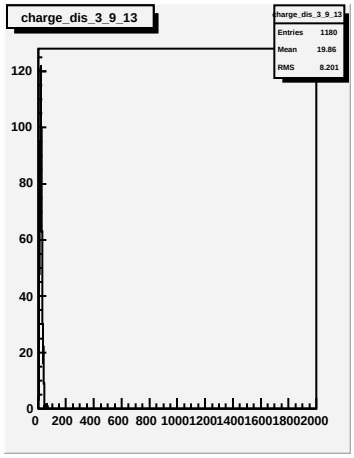
Entries 1180
Mean 14.1
RMS 8.796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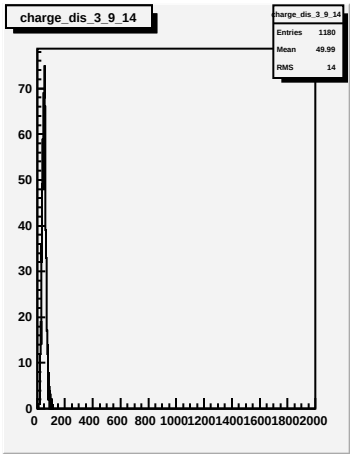
Entries 1180
Mean 19.86
RMS 8.201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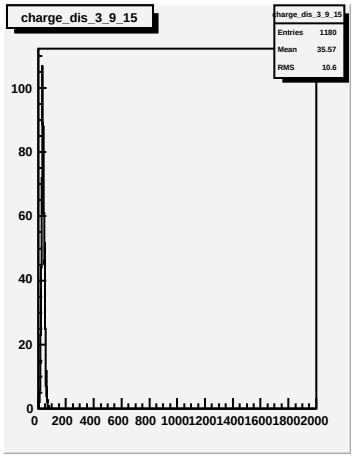
Entries 1180
Mean 49.99
RMS 14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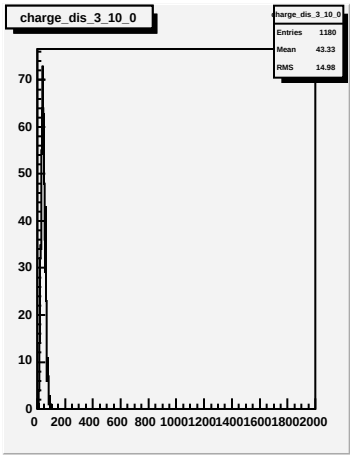
Entries 1180
Mean 35.57
RMS 10.6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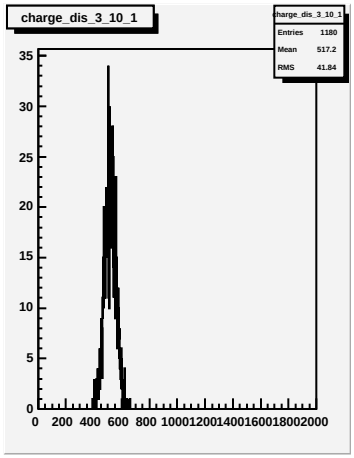
Entries 1180
Mean 43.33
RMS 14.98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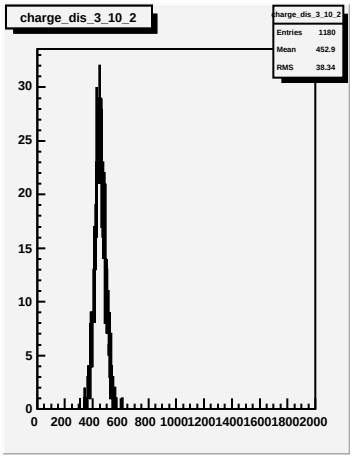
Entries 1180
Mean 517.2
RMS 41.84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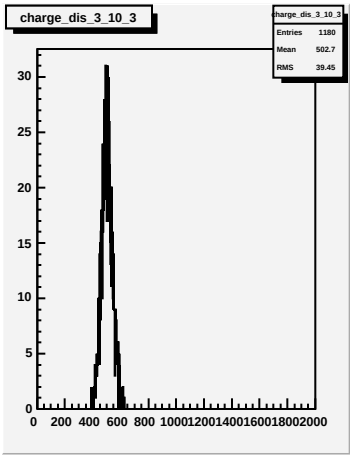
Entries 1180
Mean 452.9
RMS 38.34


charge_dis_3_10_3
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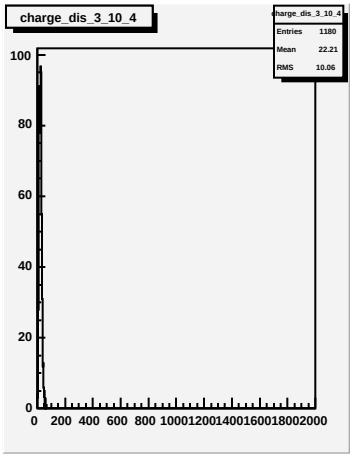
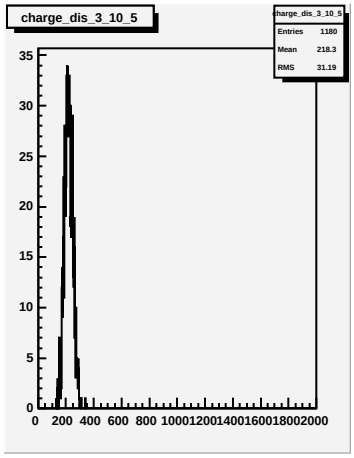
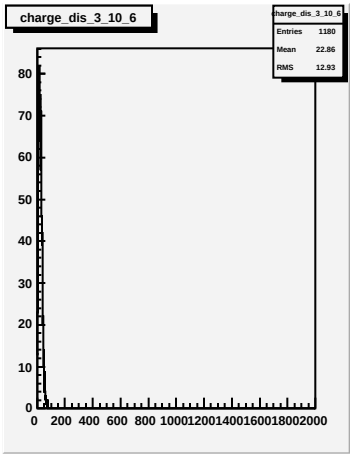
Entries 1180
Mean 502.7
RMS 39.45


charge_dis_3_10_4
charge_dis_3_10_4
Entries 1180
Mean 22.21
RMS 10.06


charge_dis_3_10_5
charge_dis_3_10_5
Entries 1180
Mean 218.3
RMS 31.19


charge_dis_3_10_6
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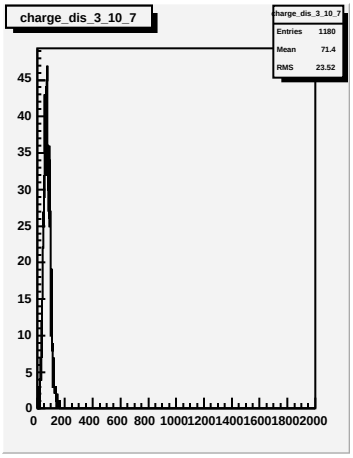
Entries 1180
Mean 22.86
RMS 12.93


charge_dis_3_10_7
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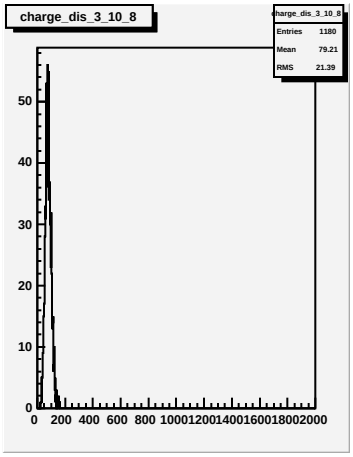
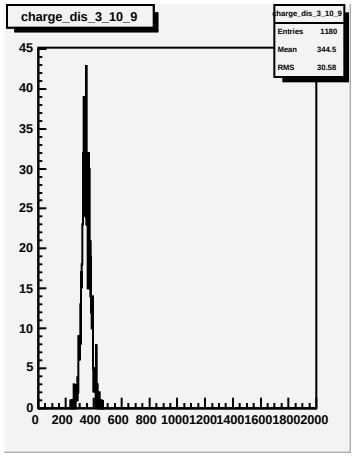
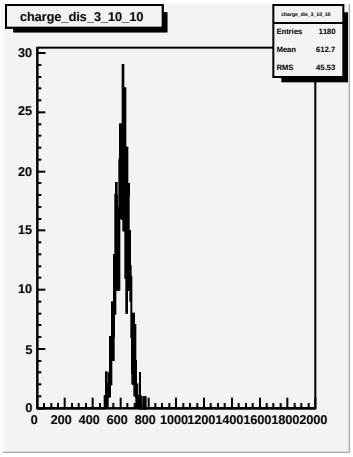
Entries 1180
Mean 71.4
RMS 23.52


charge_dis_3_10_8
charge_dis_3_10_8
Entries 1180
Mean 79.21
RMS 21.39


charge_dis_3_10_9
charge_dis_3_10_9
Entries 1180
Mean 344.5
RMS 30.58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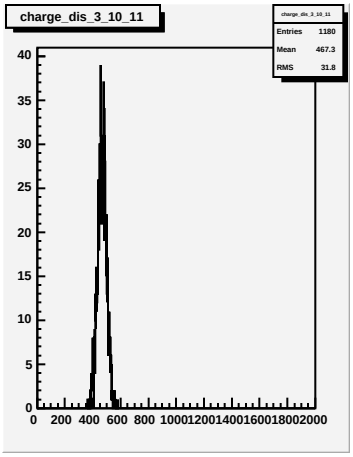
Entries 1180
Mean 612.7
RMS 45.53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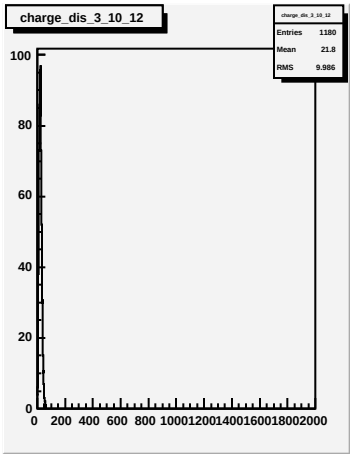
charge_dis_3_10_11
Entries 1180
Mean 467.3
RMS 31.8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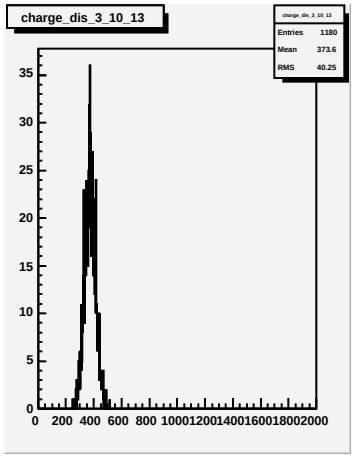
Entries 1180
Mean 21.8
RMS 9.986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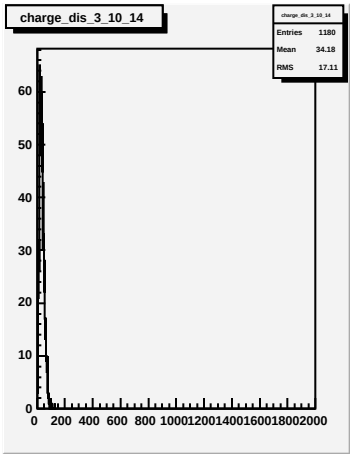
Entries 1180
Mean 373.6
RMS 40.25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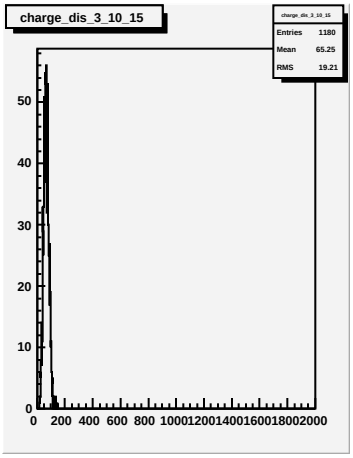
charge_dis_3_10_14
Entries 1180
Mean 34.18
RMS 17.11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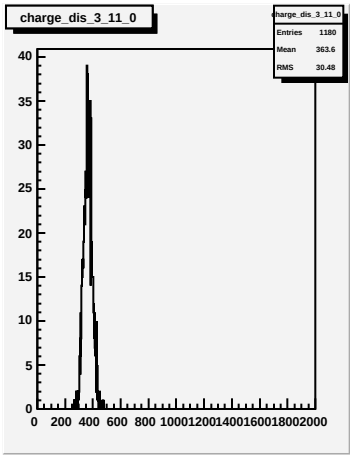
Entries 1180
Mean 65.25
RMS 19.21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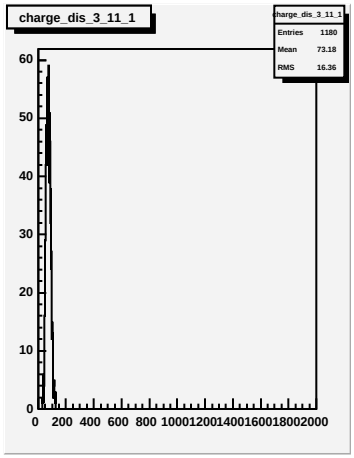
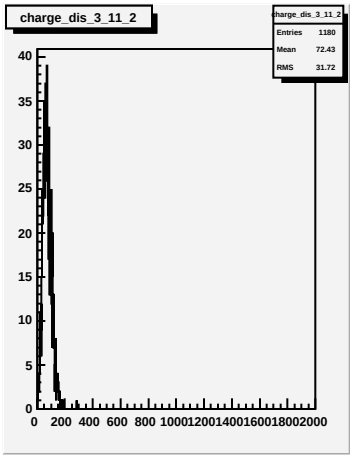
Entries 1180
Mean 363.6
RMS 30.48


charge_dis_3_11_1
Entries 1180
Mean 73.18
RMS 16.36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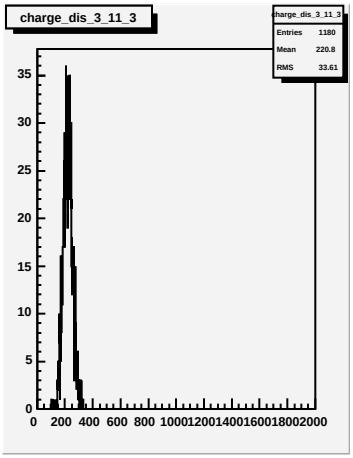
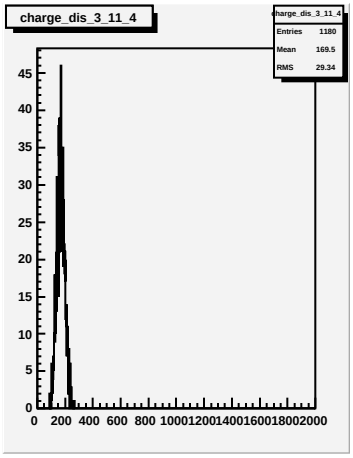
Entries 1180
Mean 72.43
RMS 31.72


charge_dis_3_11_3
Entries 1180
Mean 220.8
RMS 33.61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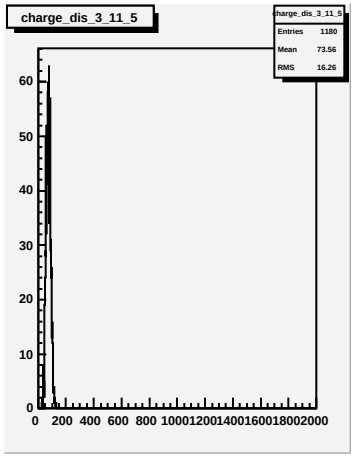
Entries 1180
Mean 169.5
RMS 29.34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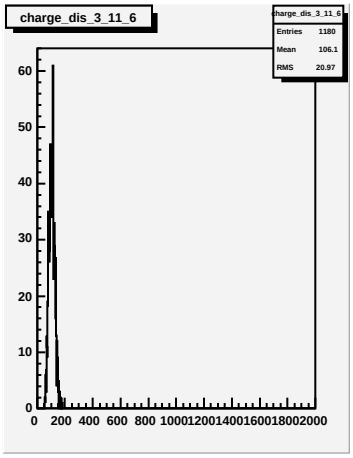
Entries 1180
Mean 73.56
RMS 16.26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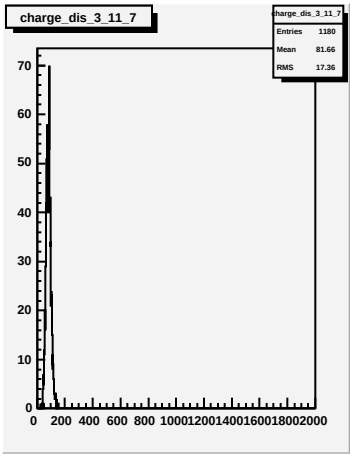
Entries 1180
Mean 106.1
RMS 20.97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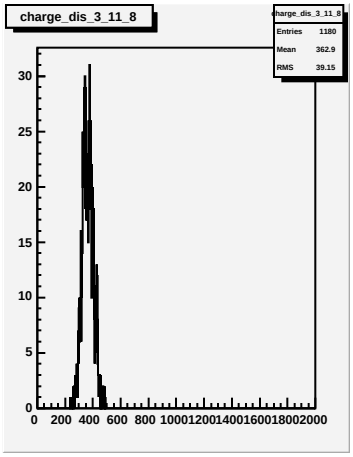
Entries 1180
Mean 81.66
RMS 17.36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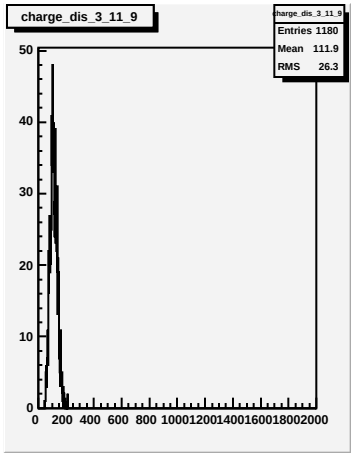
Entries 1180
Mean 362.9
RMS 39.15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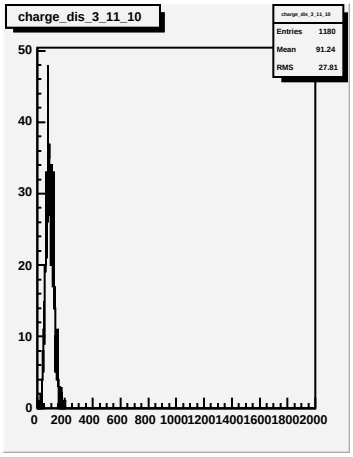
Entries 1180
Mean 111.9
RMS 26.3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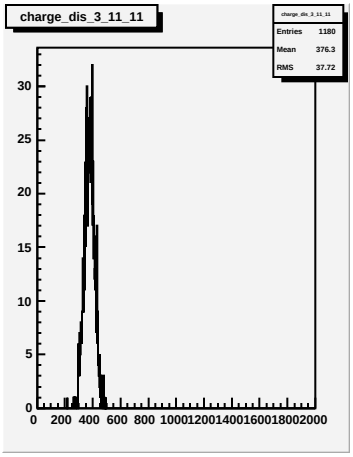
Entries 1180
Mean 91.24
RMS 27.81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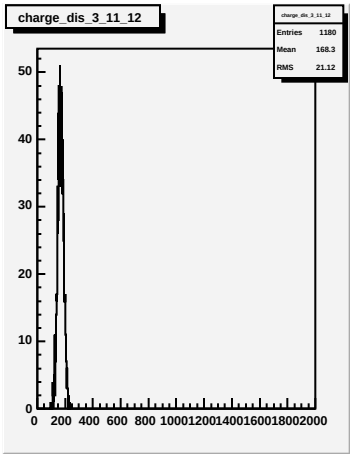
Entries 1180
Mean 376.3
RMS 37.72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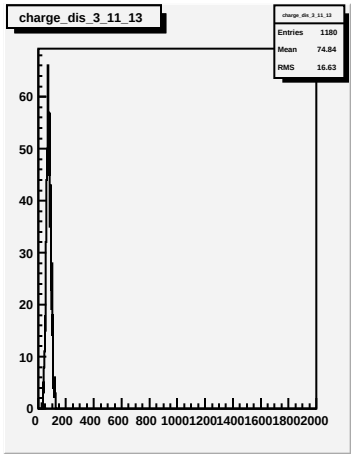
Entries 1180
Mean 168.3
RMS 21.12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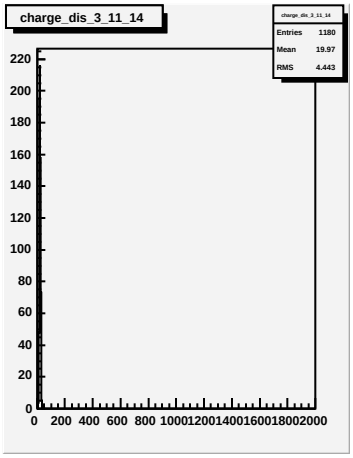
Entries 1180
Mean 74.84
RMS 16.63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Entries 1180
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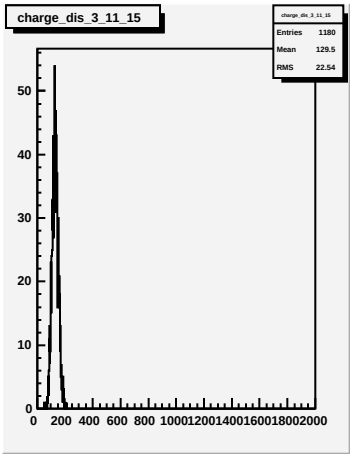
RMS 4.443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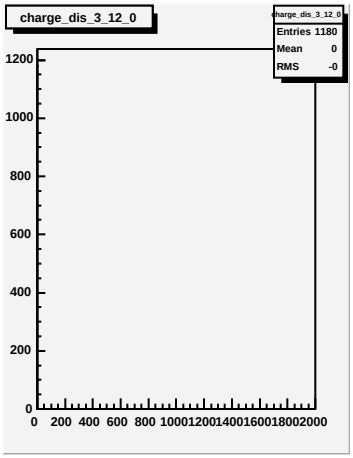
Entries 1180
Mean 129.5
RMS 22.54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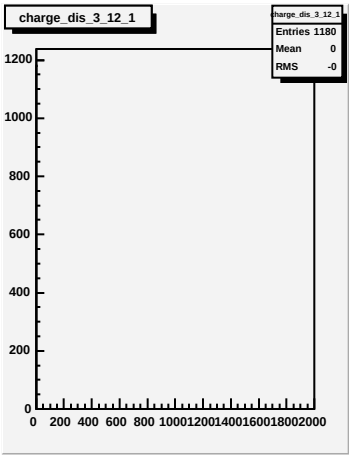
Entries 1180
Mean 0
RMS -0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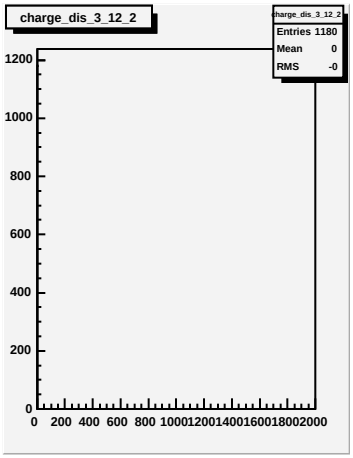
Entries 1180
Mean 0
RMS -0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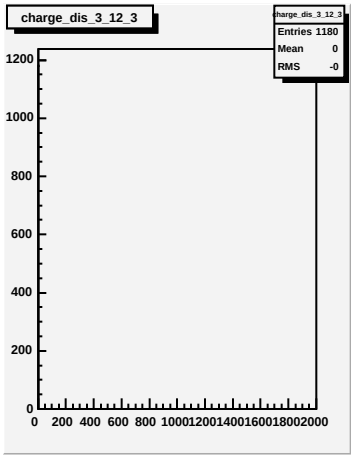
Mean 0
RMS -0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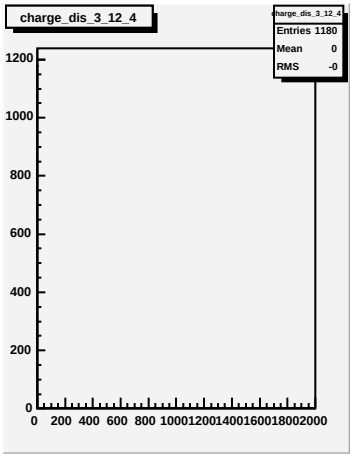
RMS -0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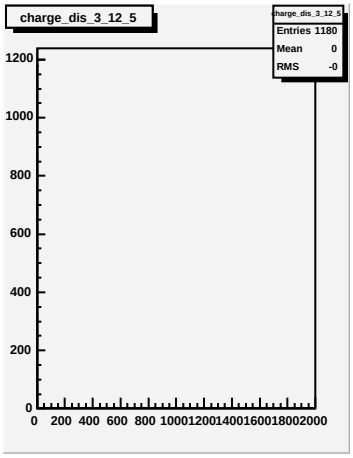
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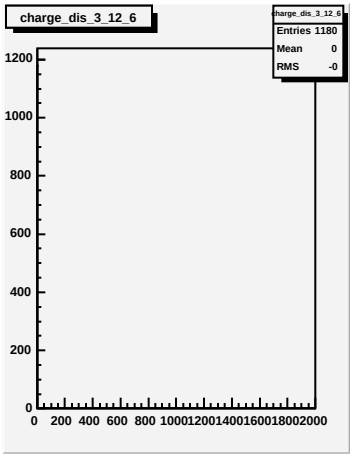
RMS -0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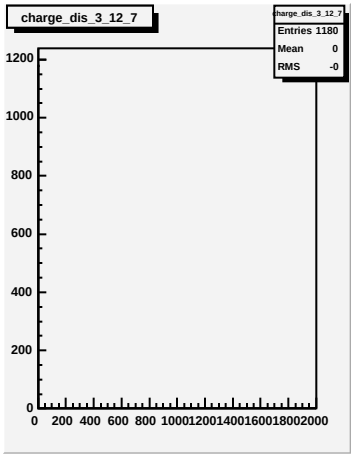
Entries 1180
Mean 0
RMS -0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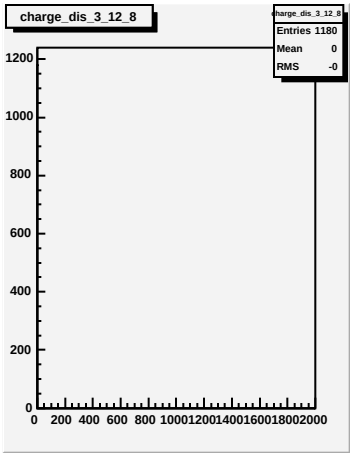
Entries 1180
Mean 0
RMS -0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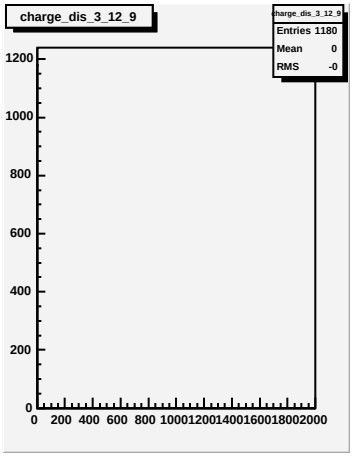
Entries 1180
Mean 0
RMS -0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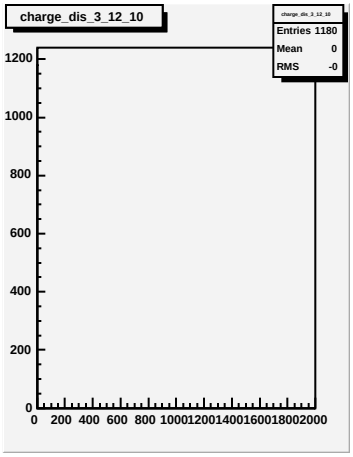
Mean 0
RMS -0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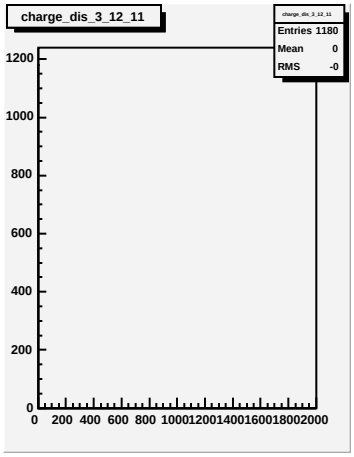
Mean 0
RMS -0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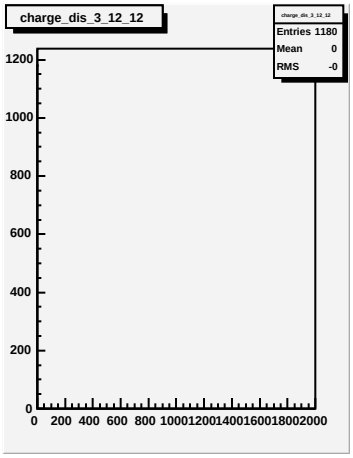
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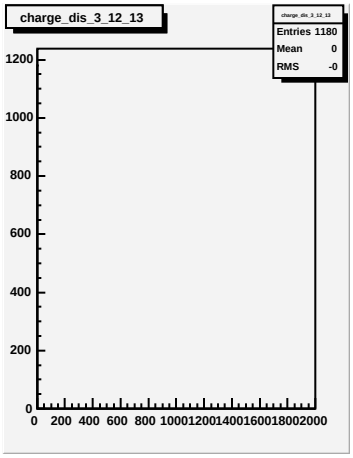
RMS -0


charge_dis_3_12_13
Entries 1180
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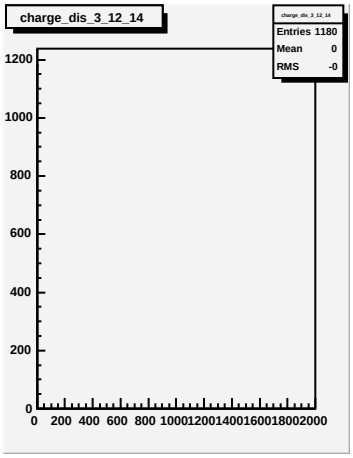
RMS -0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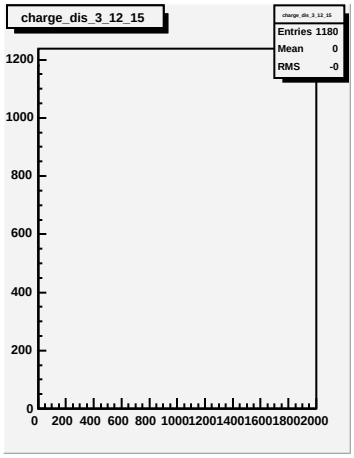
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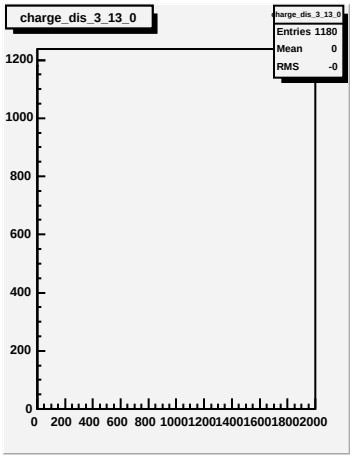
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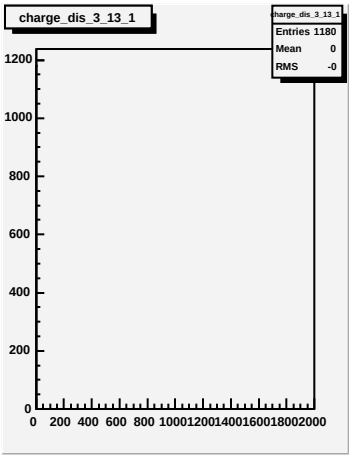
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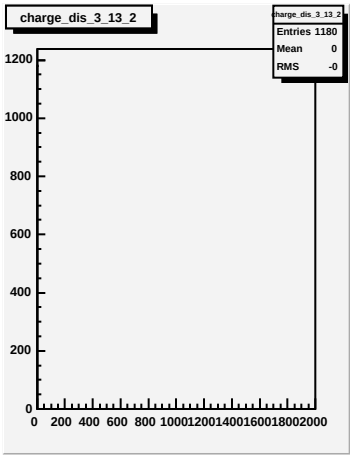
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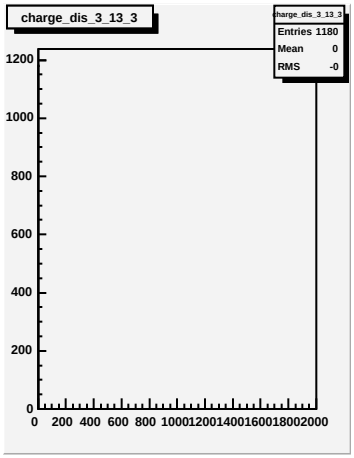
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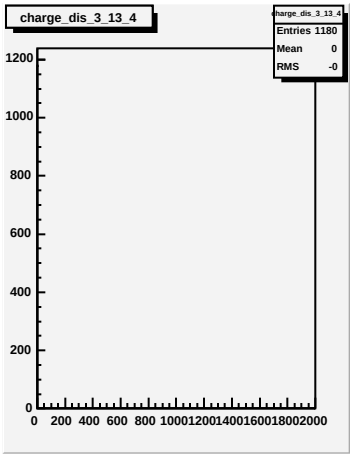
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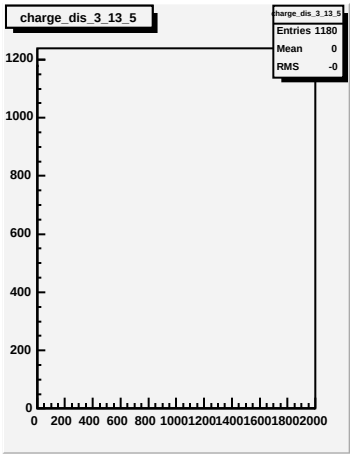
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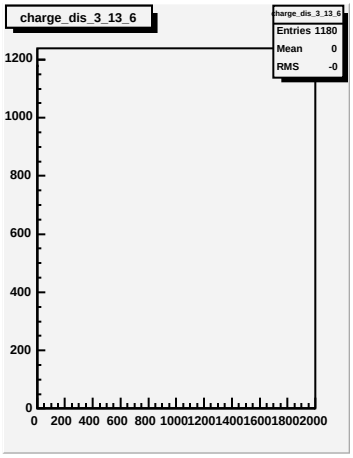
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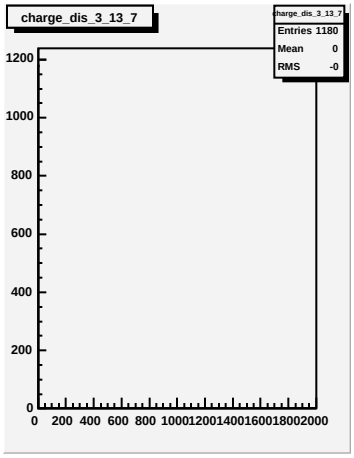
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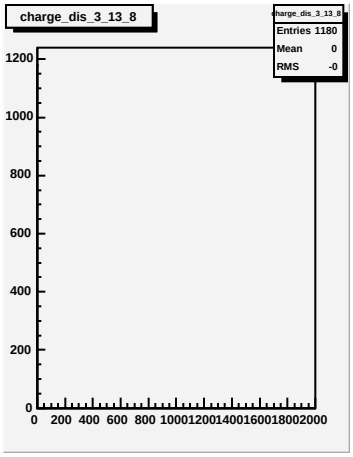
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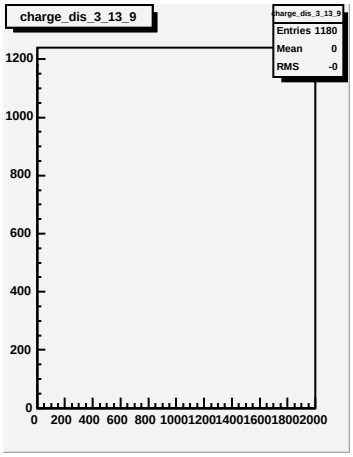
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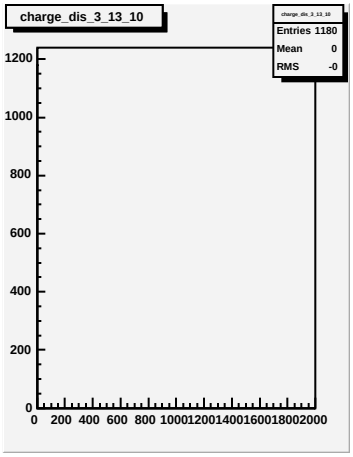
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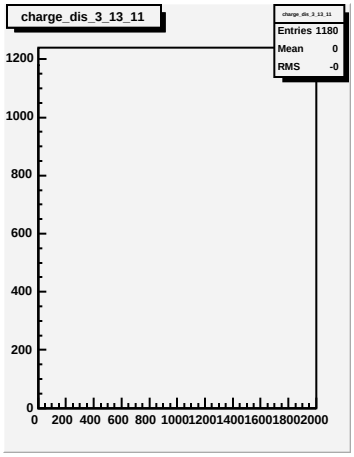
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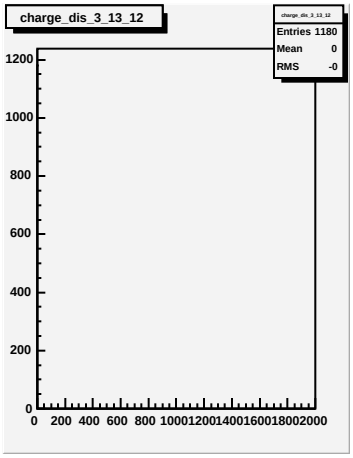
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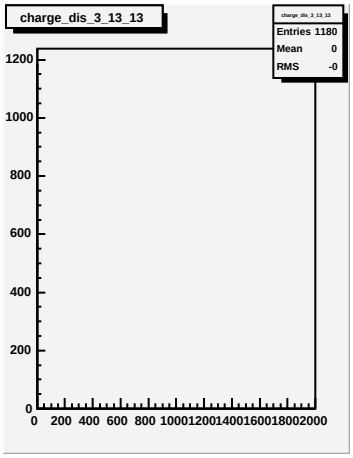
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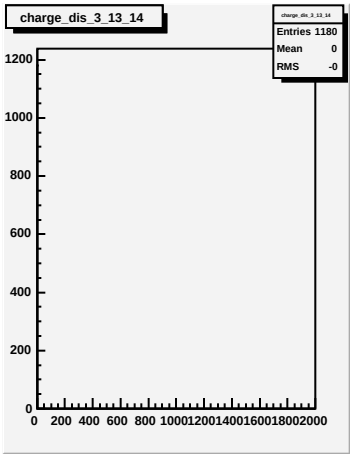
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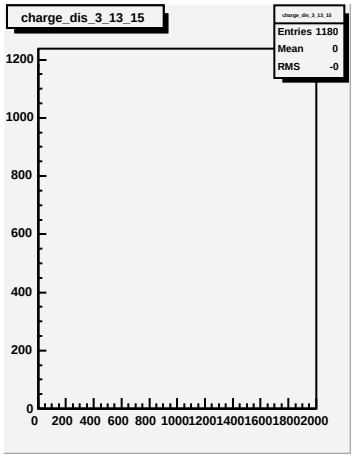
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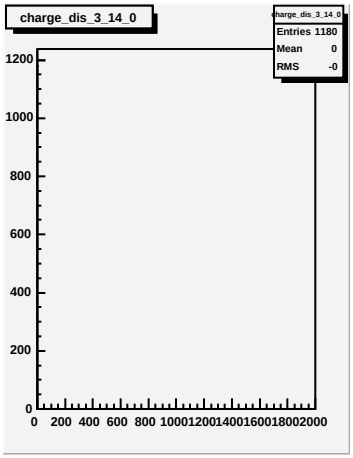
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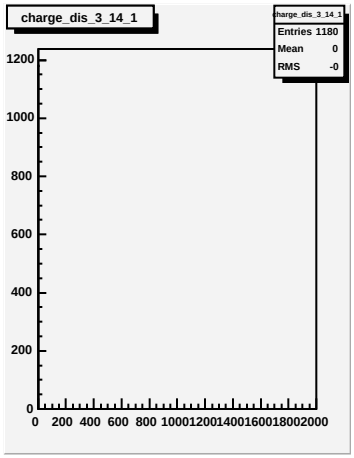
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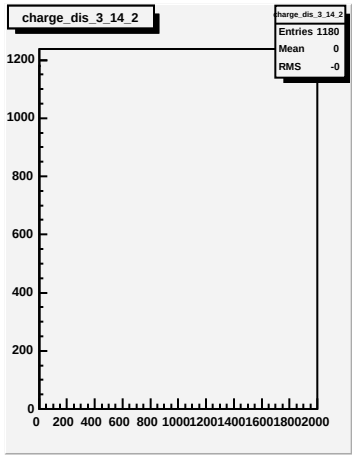
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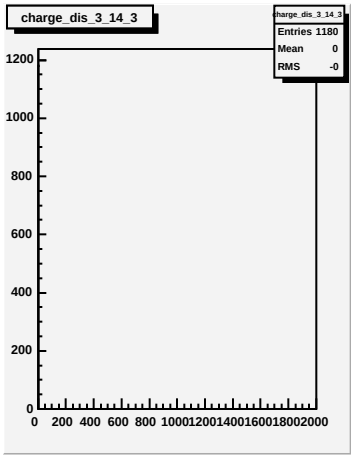
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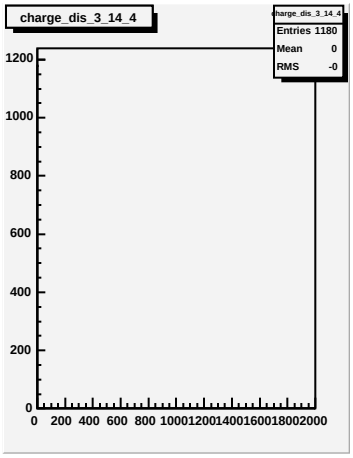
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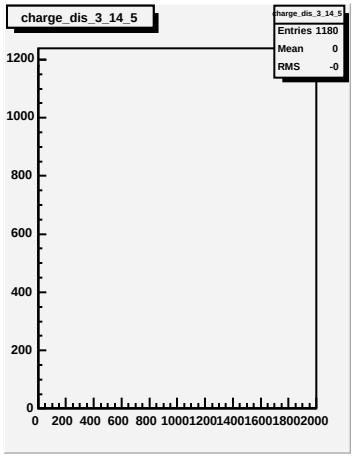
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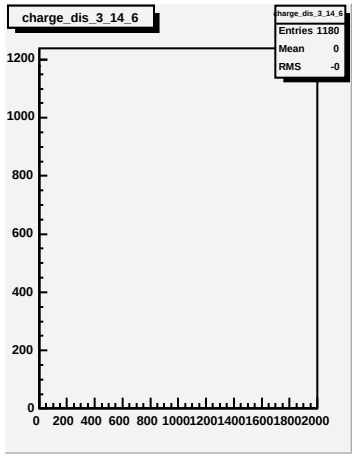
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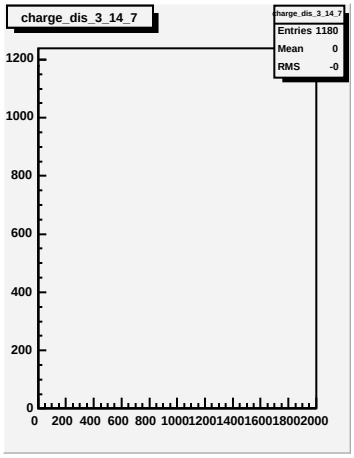
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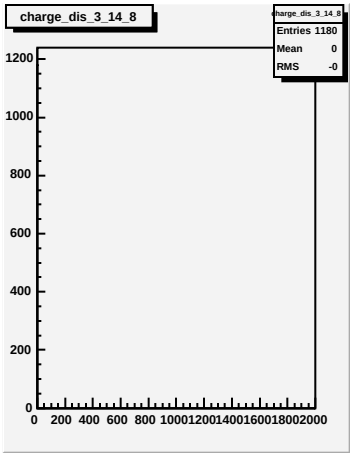
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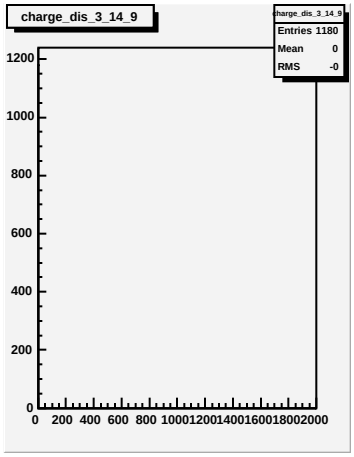
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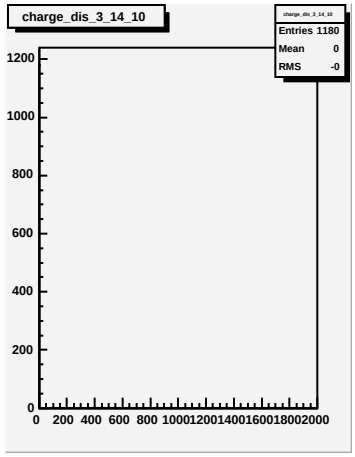
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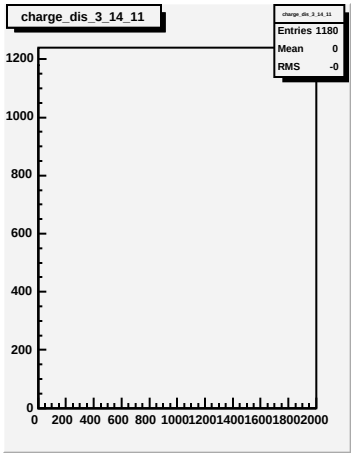
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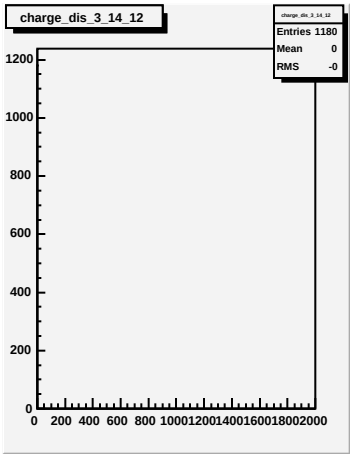
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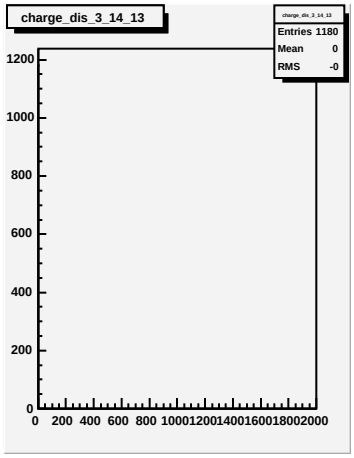
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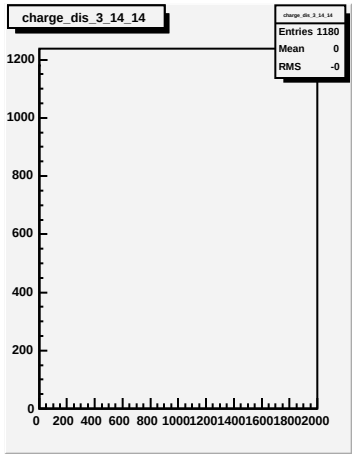
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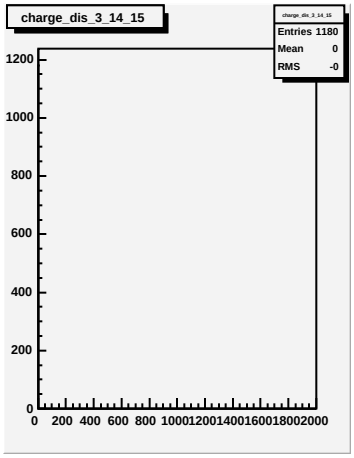
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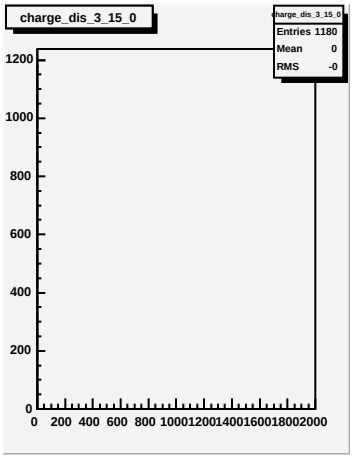
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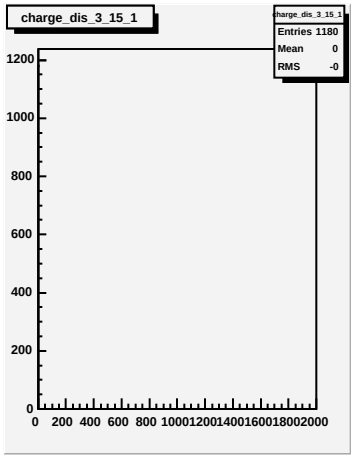
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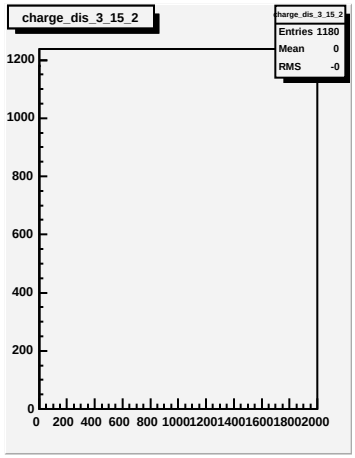
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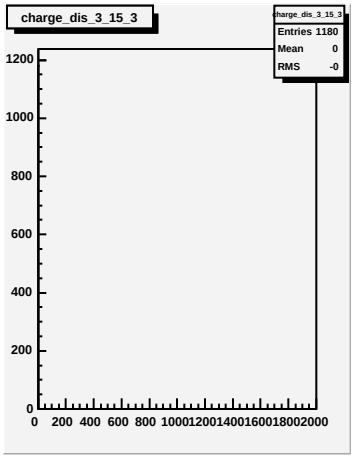
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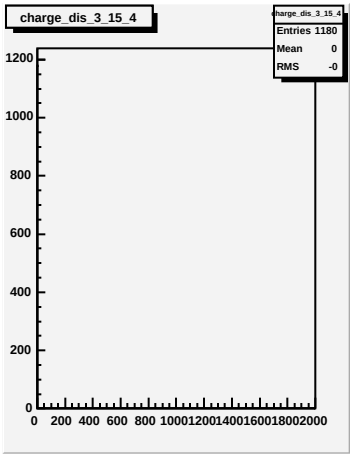
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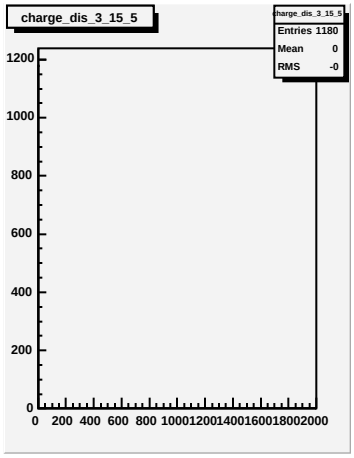
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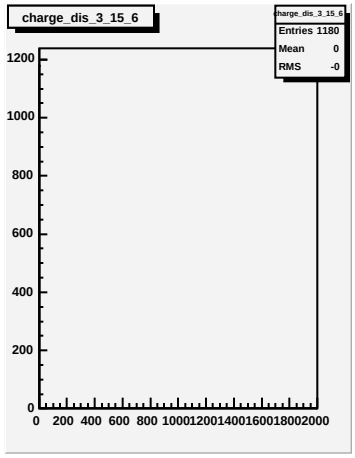
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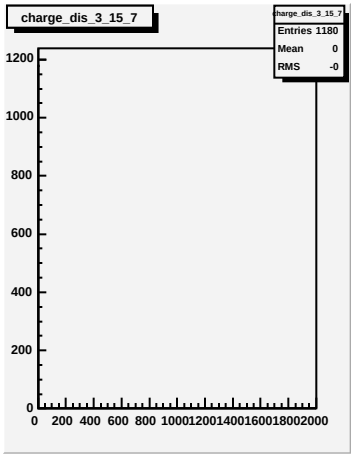
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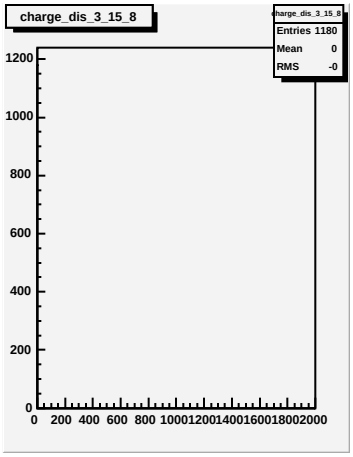
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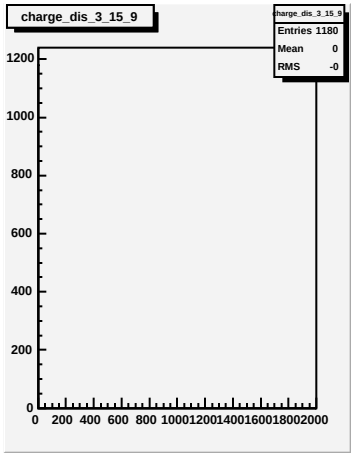
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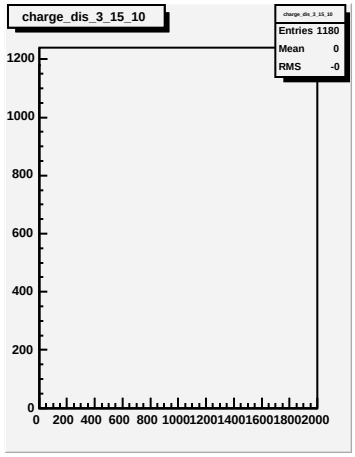
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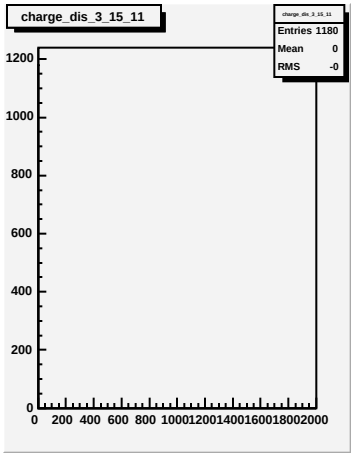
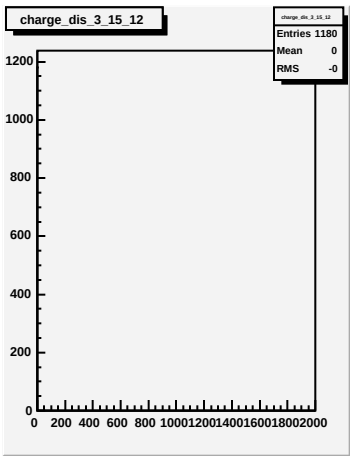
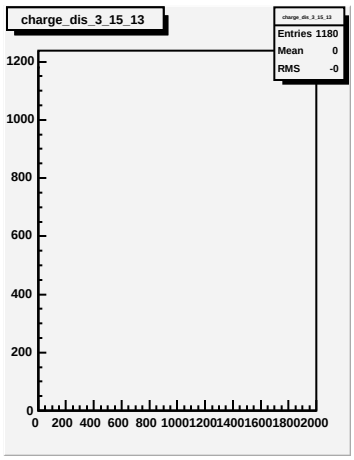
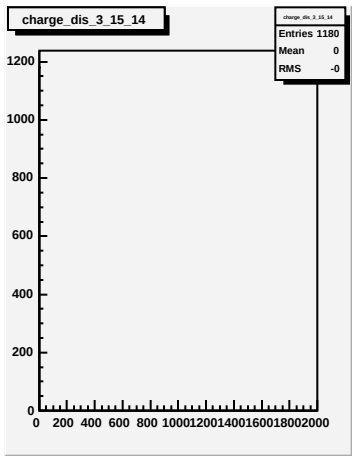
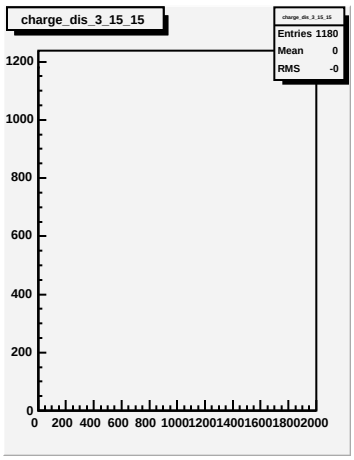
0 200 400 600 800 1000 1200 1400 1600 1800 2000

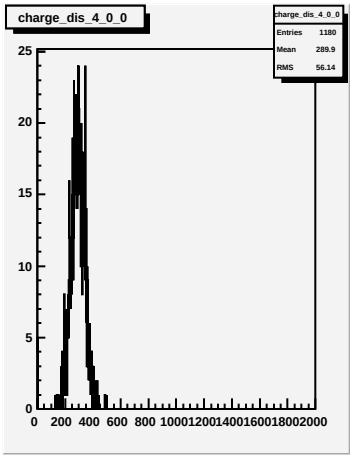

charge_dis_3_15_11
charge_dis_3_15_11
Entries 1180
Mean 0
RMS -0
1200
1000
800
600
400
200
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000

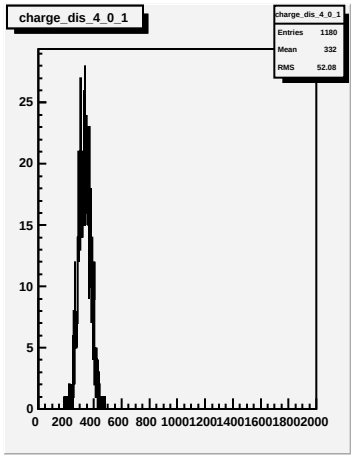

charge_dis_3_15_12
charge_dis_3_15_12
Entries 1180
Mean 0
RMS -0
1200
1000
800
600
400
200
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000

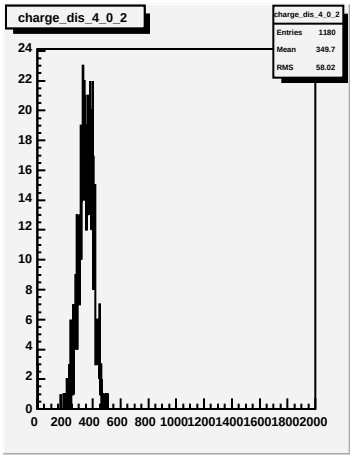

charge_dis_3_15_13
charge_dis_3_15_13
Entries 1180
Mean 0
RMS -0
1200
1000
800
600
400
200
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000

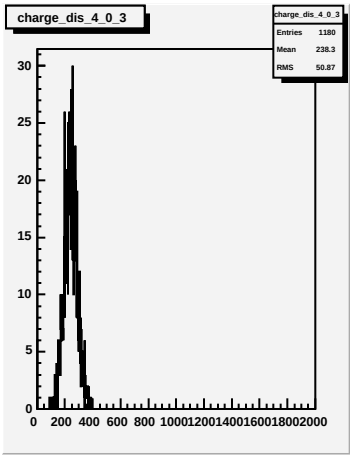

charge_dis_3_15_14
charge_dis_3_15_14
Entries 1180
Mean 0
RMS -0
1200
1000
800
600
400
200
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000

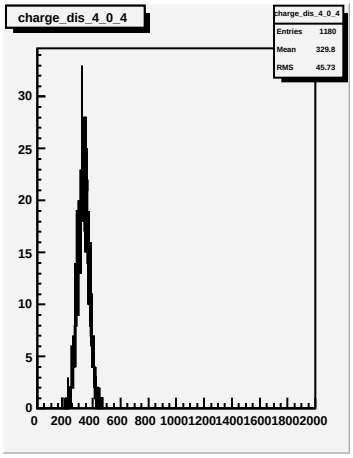

charge_dis_3_15_15
charge_dis_3_15_15
Entries 1180
Mean 0
RMS -0
1200
1000
800
600
400
200
0
0 200 400 600 800 1000 1200 1400 1600 1800 2000

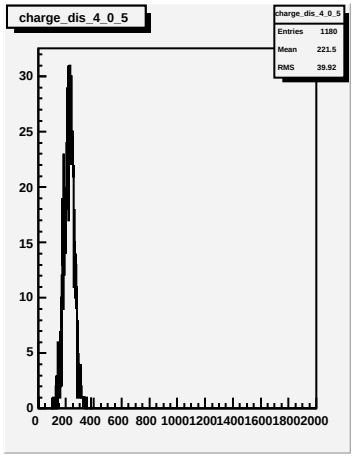

charge_dis_4_0_0
charge_dis_4_0_0
Entries 1180
Mean 289.9
RMS 56.14

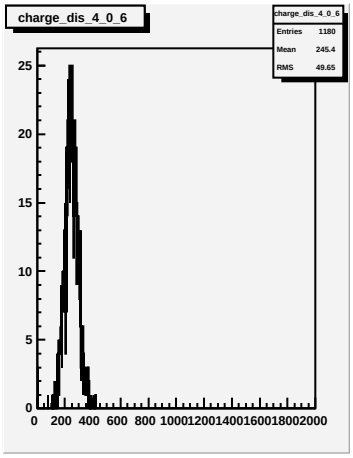

charge_dis_4_0_1
charge_dis_4_0_1
Entries 1180
Mean 332
RMS 52.08

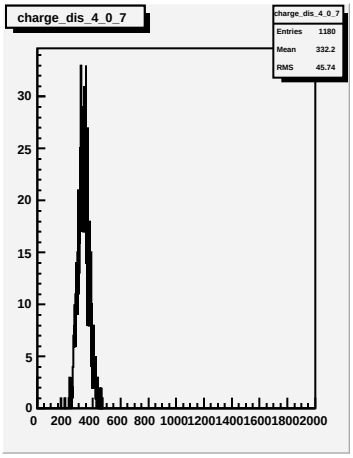

charge_dis_4_0_2
charge_dis_4_0_2
Entries 1180
Mean 349.7
RMS 58.02

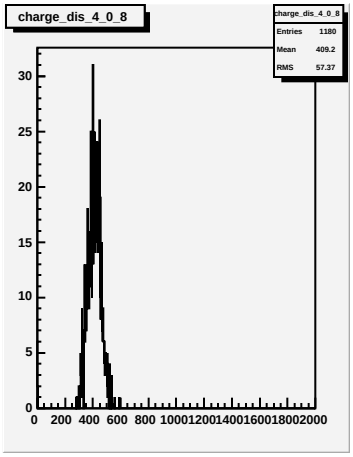

charge_dis_4_0_3
charge_dis_4_0_3
Entries 1180
Mean 238.3
RMS 50.87

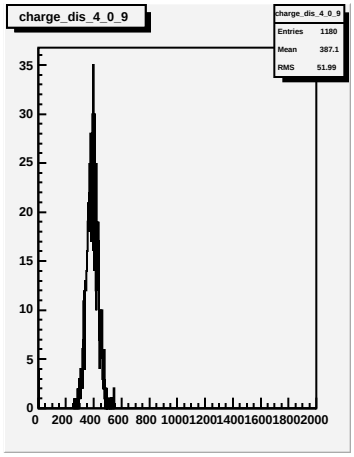

charge_dis_4_0_4
charge_dis_4_0_4
Entries 1180
Mean 329.8
RMS 45.73


charge_dis_4_0_5
charge_dis_4_0_5
Entries 1180
Mean 221.5
RMS 39.92


charge_dis_4_0_6
charge_dis_4_0_6
Entries 1180
Mean 245.4
RMS 49.65


charge_dis_4_0_7
charge_dis_4_0_7
Entries 1180
Mean 332.2
RMS 45.74


charge_dis_4_0_8
charge_dis_4_0_8
Entries 1180
Mean 409.2
RMS 57.37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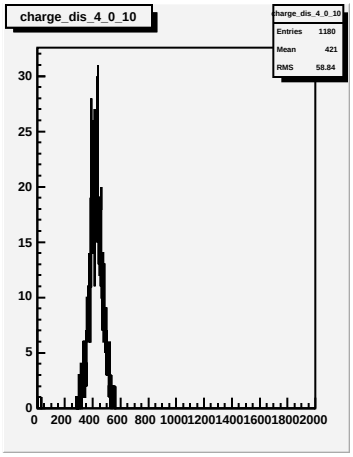
charge_dis_4_0_9
Entries 1180
Mean 387.1
RMS 51.99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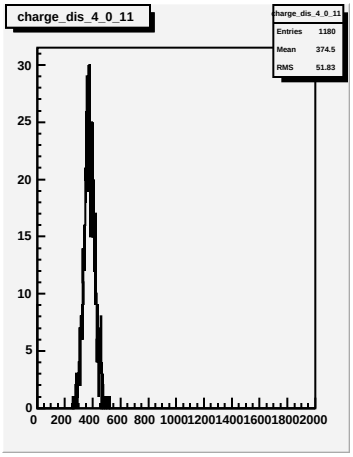
charge_dis_4_0_10
Entries 1180
Mean 421
RMS 58.84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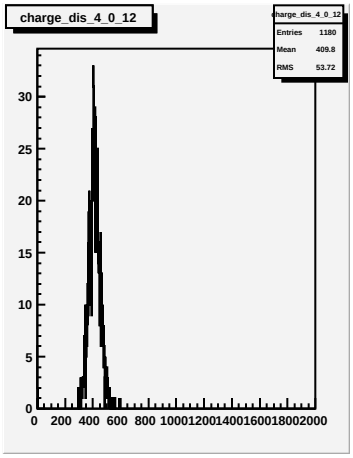
charge_dis_4_0_11
Entries 1180
Mean 374.5
RMS 51.83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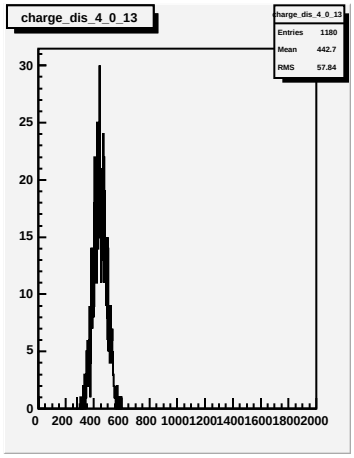
charge_dis_4_0_12
Entries 1180
Mean 409.8
RMS 53.72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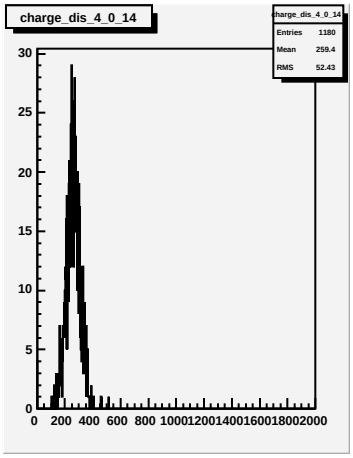
charge_dis_4_0_13
Entries 1180
Mean 442.7
RMS 57.84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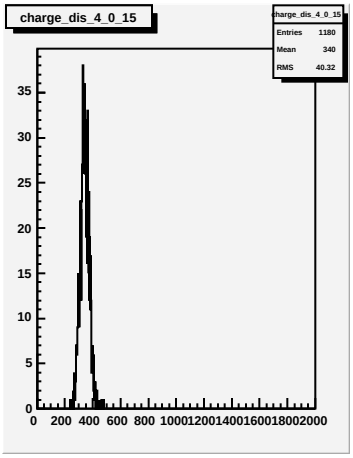
charge_dis_4_0_14
Entries 1180
Mean 259.4
RMS 52.43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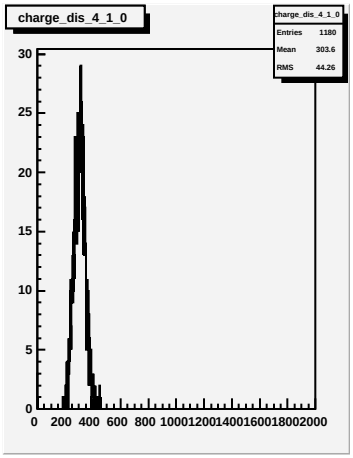
charge_dis_4_0_15
Entries 1180
Mean 340
RMS 40.32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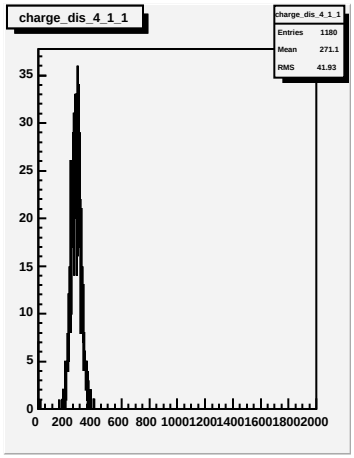
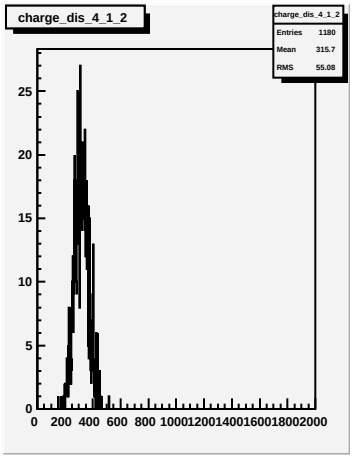
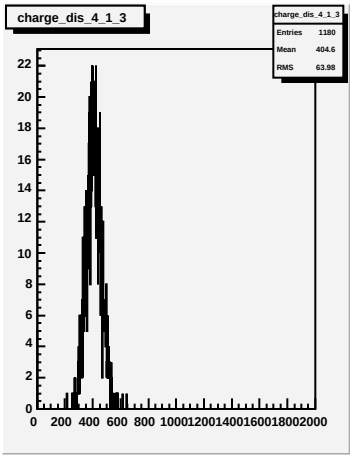
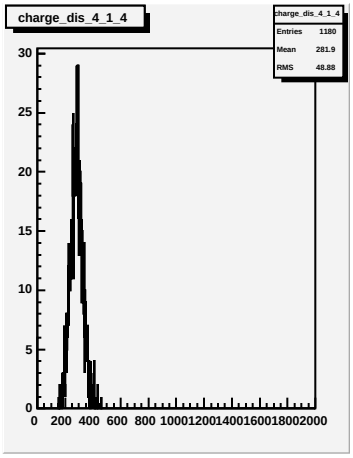
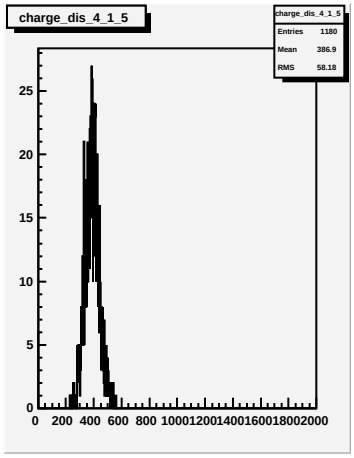
charge_dis_4_1_0
Entries 1180
Mean 303.6
RMS 44.26

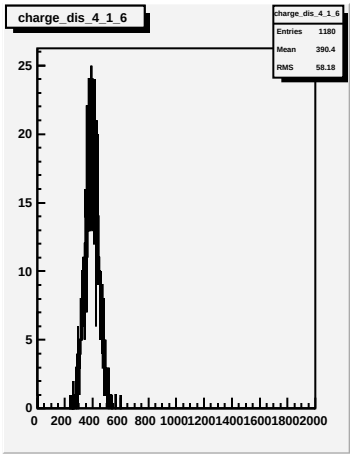

charge_dis_4_1_1
charge_dis_4_1_1
Entries 1180
Mean 271.1
RMS 41.93

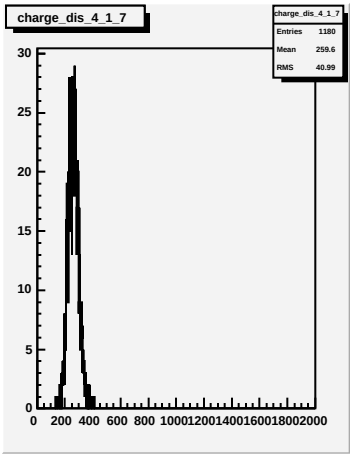

charge_dis_4_1_2
charge_dis_4_1_2
Entries 1180
Mean 315.7
RMS 55.08

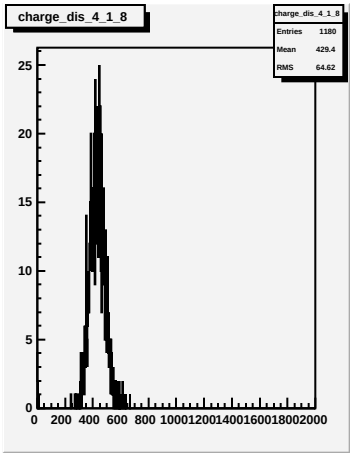

charge_dis_4_1_3
charge_dis_4_1_3
Entries 1180
Mean 404.6
RMS 63.98

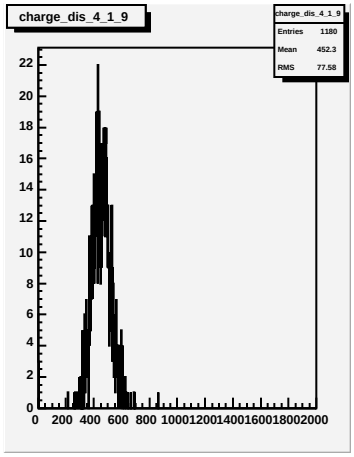

charge_dis_4_1_4
charge_dis_4_1_4
Entries 1180
Mean 281.9
RMS 48.88


charge_dis_4_1_5
charge_dis_4_1_5
Entries 1180
Mean 386.9
RMS 58.18


charge_dis_4_1_6
charge_dis_4_1_6
Entries 1180
Mean 390.4
RMS 58.18


charge_dis_4_1_7
charge_dis_4_1_7
Entries 1180
Mean 259.6
RMS 40.99


charge_dis_4_1_8
charge_dis_4_1_8
Entries 1180
Mean 429.4
RMS 64.62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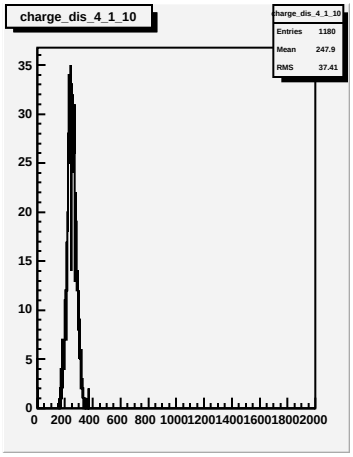
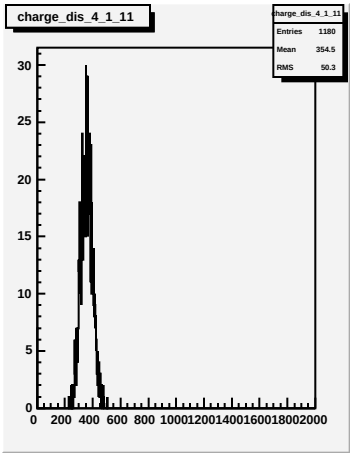
charge_dis_4_1_9
Entries 1180
Mean 452.3
RMS 77.58


charge_dis_4_1_10
charge_dis_4_1_10
Entries 1180
Mean 247.9
RMS 37.41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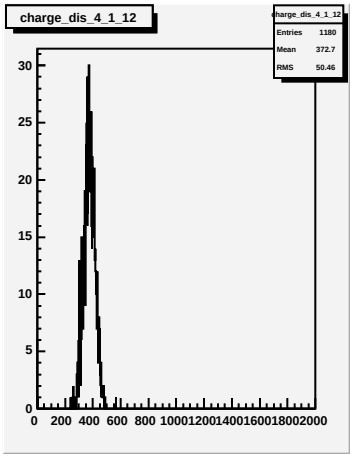
charge_dis_4_1_11
Entries 1180
Mean 354.5
RMS 50.3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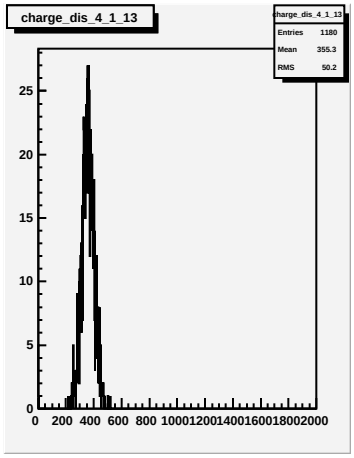
Entries 1180
Mean 372.7
RMS 50.46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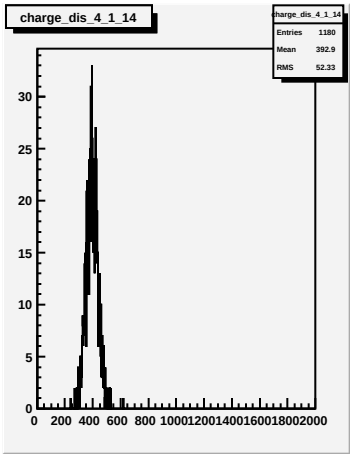
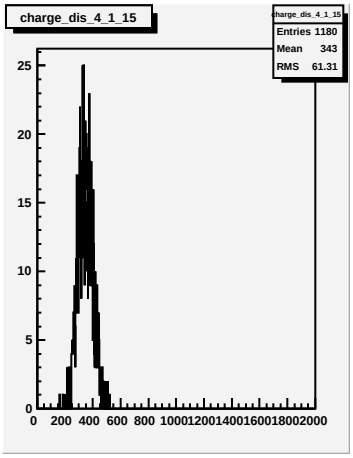
charge_dis_4_1_13
Entries 1180
Mean 355.3
RMS 50.2


charge_dis_4_1_14
charge_dis_4_1_14
Entries 1180
Mean 392.9
RMS 52.33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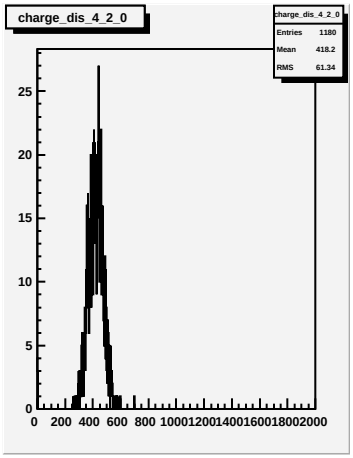
charge_dis_4_1_15
Entries 1180
Mean 343
RMS 61.31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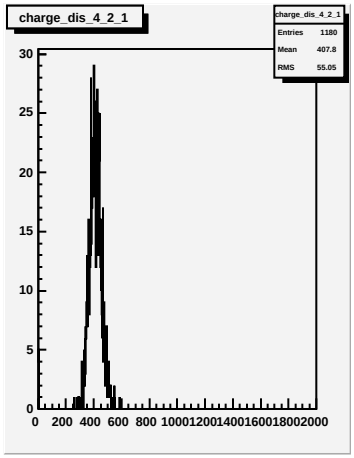
charge_dis_4_2_0
Entries 1180
Mean 418.2
RMS 61.34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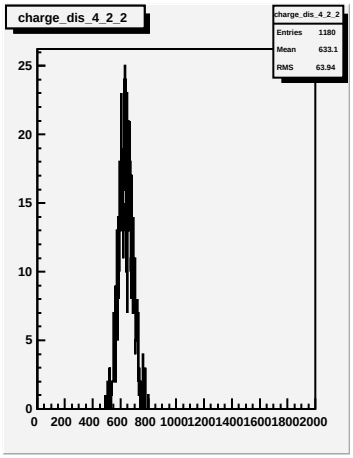
charge_dis_4_2_1
Entries 1180
Mean 407.8
RMS 55.05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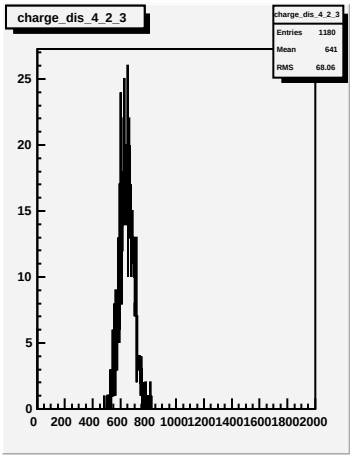
Entries 1180
Mean 633.1
RMS 63.94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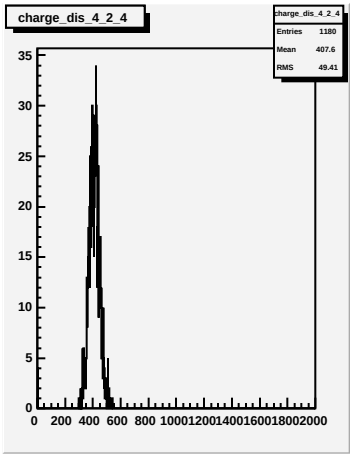
charge_dis_4_2_3
Entries 1180
Mean 641
RMS 68.06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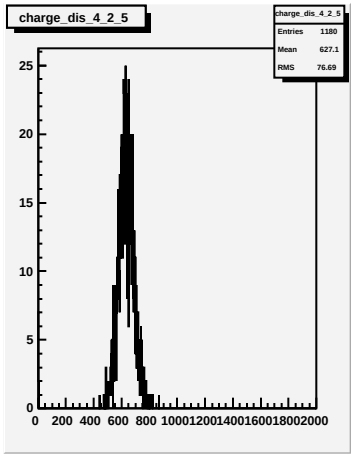
charge_dis_4_2_4
Entries 1180
Mean 407.6
RMS 49.41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Entries 1180
Mean 627.1
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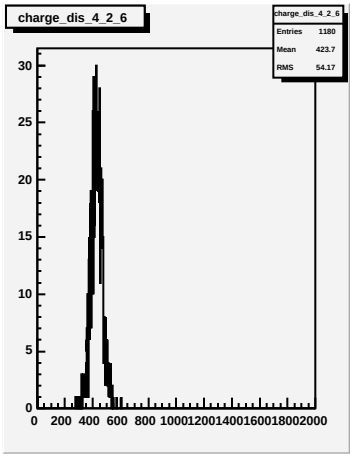
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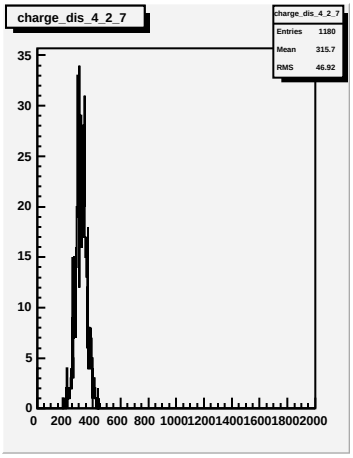
Entries 1180
Mean 423.7
RMS 54.17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charge_dis_4_2_7
Entries 1180
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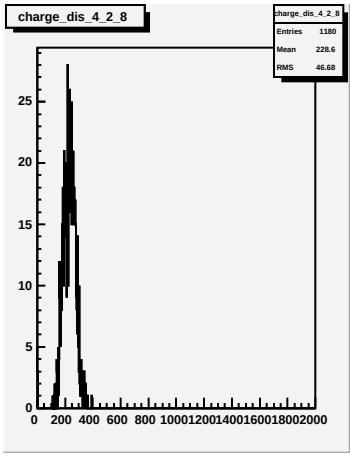
RMS 46.92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Entries 1180
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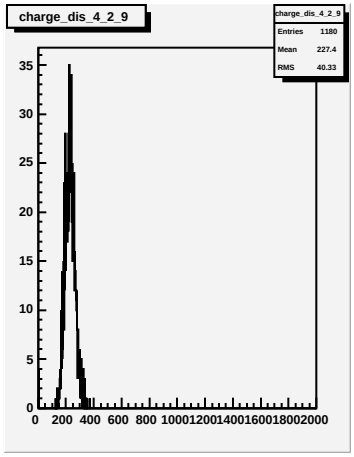
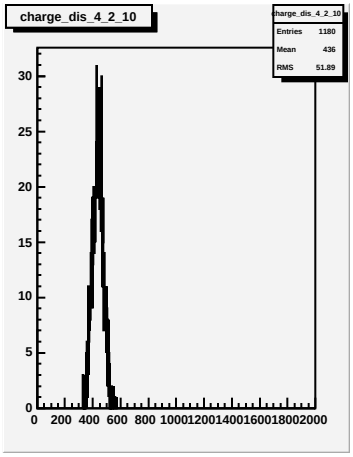
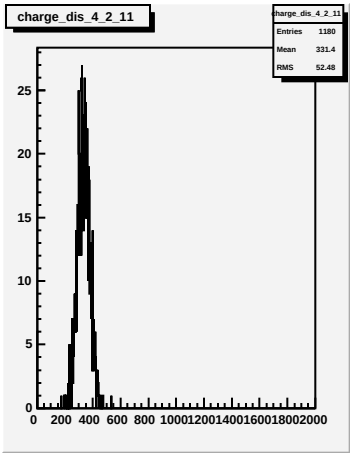
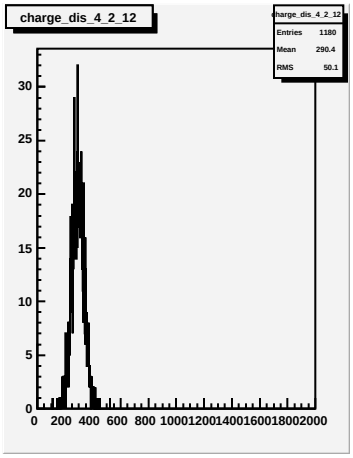
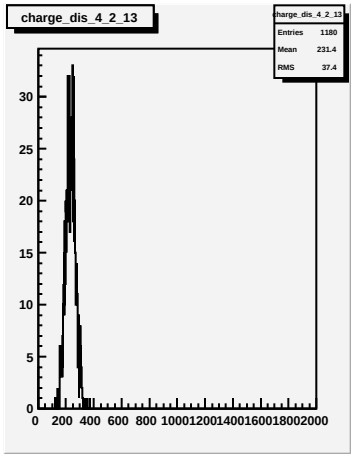
RMS 46.68


charge_dis_4_2_9
charge_dis_4_2_9
Entries 1180
Mean 227.4
RMS 40.33


charge_dis_4_2_10
charge_dis_4_2_10
Entries 1180
Mean 436
RMS 51.89


charge_dis_4_2_11
charge_dis_4_2_11
Entries 1180
Mean 331.4
RMS 52.48


charge_dis_4_2_12
charge_dis_4_2_12
Entries 1180
Mean 290.4
RMS 50.1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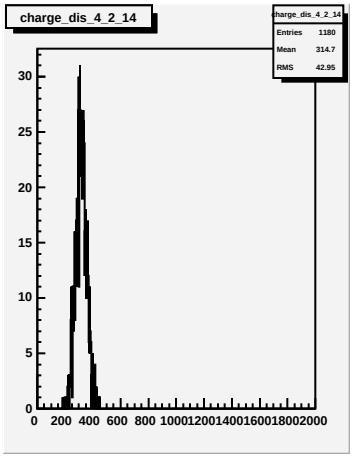
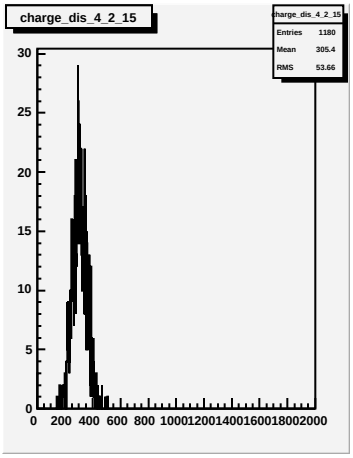
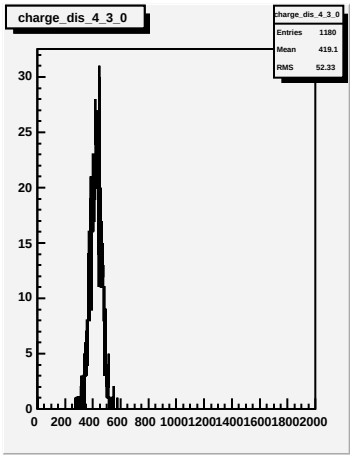
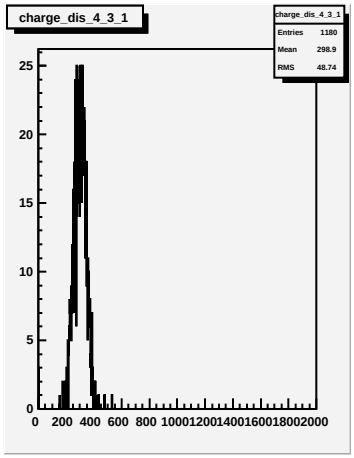
charge_dis_4_2_13
Entries 1180
Mean 231.4
RMS 37.4


charge_dis_4_2_14
charge_dis_4_2_14
Entries 1180
Mean 314.7
RMS 42.95


charge_dis_4_2_15
charge_dis_4_2_15
Entries 1180
Mean 305.4
RMS 53.66


charge_dis_4_3_0
charge_dis_4_3_0
Entries 1180
Mean 419.1
RMS 52.33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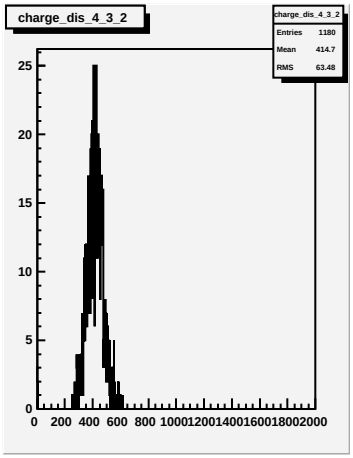
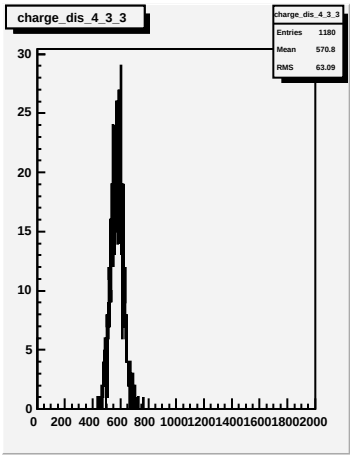
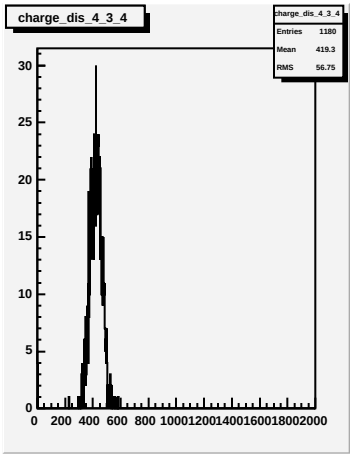
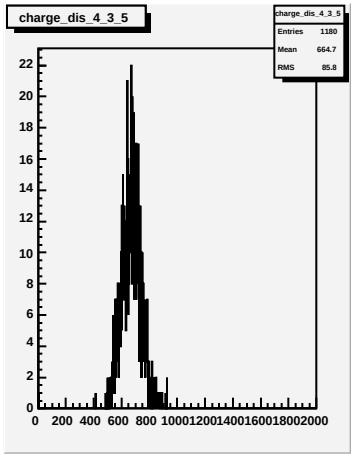
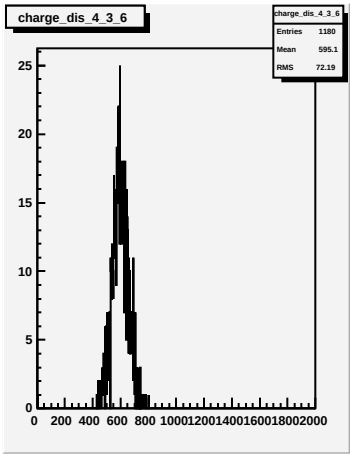
charge_dis_4_3_1
Entries 1180
Mean 298.9
RMS 48.74

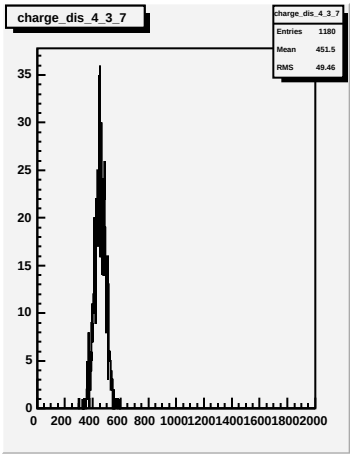

charge_dis_4_3_2
charge_dis_4_3_2
Entries 1180
Mean 414.7
RMS 63.48

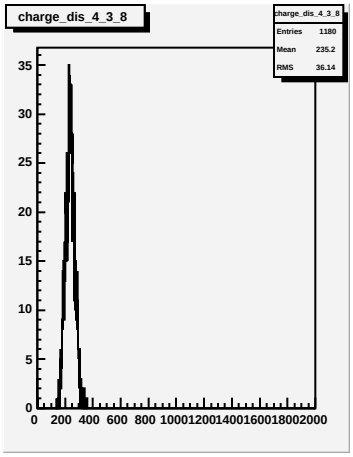

charge_dis_4_3_3
charge_dis_4_3_3
Entries 1180
Mean 570.8
RMS 63.09

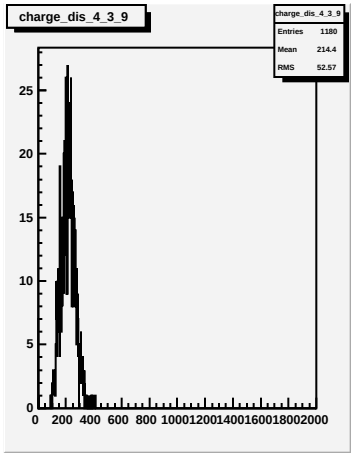

charge_dis_4_3_4
charge_dis_4_3_4
Entries 1180
Mean 419.3
RMS 56.75

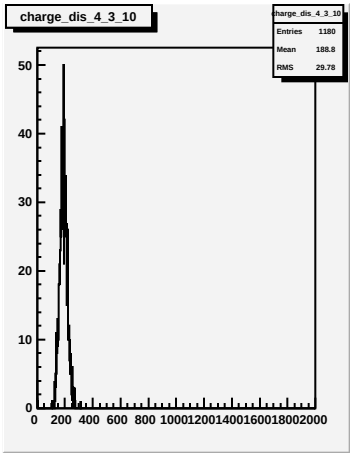

charge_dis_4_3_5
charge_dis_4_3_5
Entries 1180
Mean 664.7
RMS 85.8

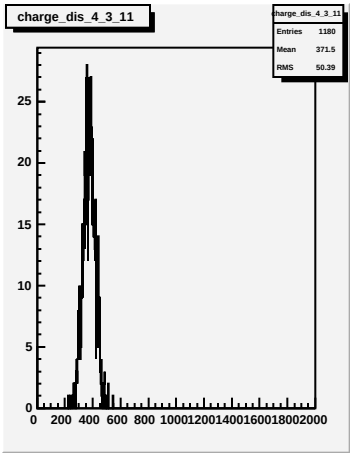

charge_dis_4_3_6
charge_dis_4_3_6
Entries 1180
Mean 595.1
RMS 72.19

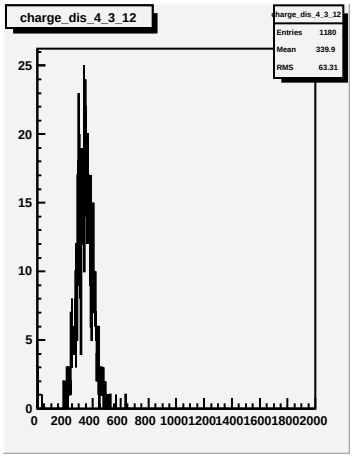

charge_dis_4_3_7
charge_dis_4_3_7
Entries 1180
Mean 451.5
RMS 49.46


charge_dis_4_3_8
charge_dis_4_3_8
Entries 1180
Mean 235.2
RMS 36.14


charge_dis_4_3_9
charge_dis_4_3_9
Entries 1180
Mean 214.4
RMS 52.57


charge_dis_4_3_10
charge_dis_4_3_10
Entries 1180
Mean 188.8
RMS 29.78


charge_dis_4_3_11
charge_dis_4_3_11
Entries 1180
Mean 371.5
RMS 50.39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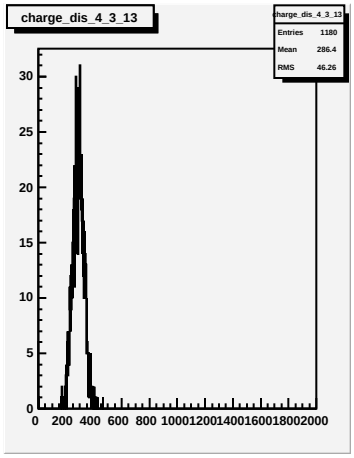
charge_dis_4_3_12
Entries 1180
Mean 339.9
RMS 63.31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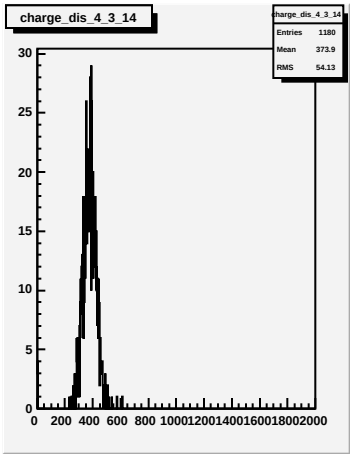
charge_dis_4_3_13
Entries 1180
Mean 286.4
RMS 46.26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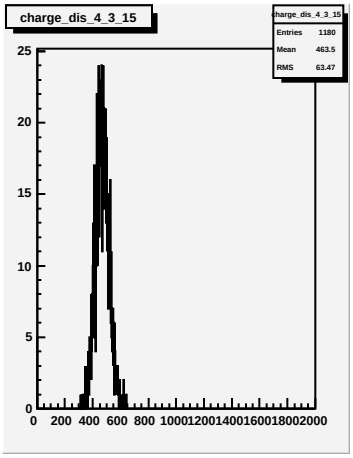
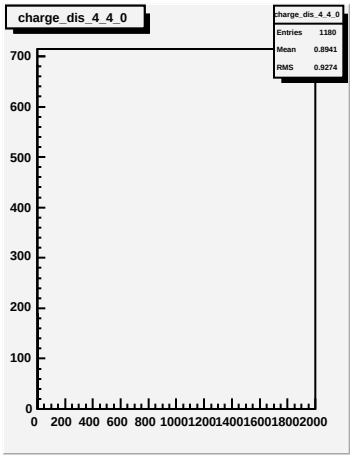
charge_dis_4_3_14
Entries 1180
Mean 373.9
RMS 54.13


charge_dis_4_3_15
charge_dis_4_3_15
Entries 1180
Mean 463.5
RMS 63.47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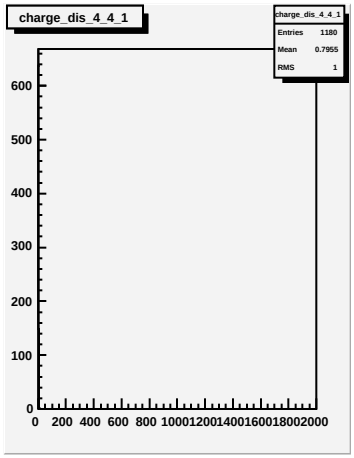
charge_dis_4_4_0
Entries 1180
Mean 0.8941
RMS 0.9274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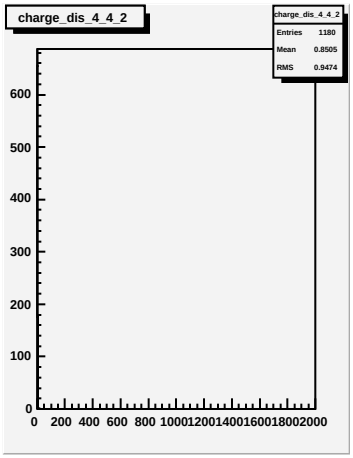
charge_dis_4_4_1
Entries 1180
Mean 0.7955
RMS 1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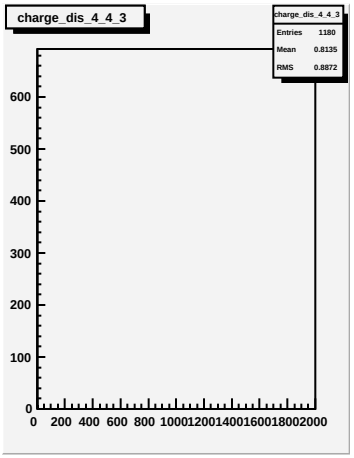
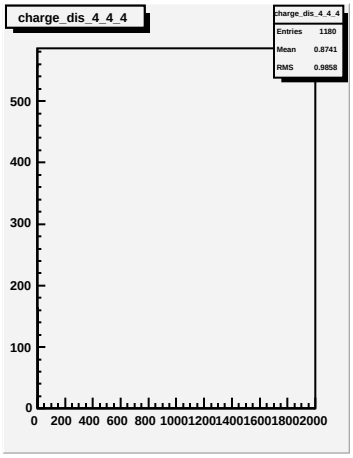
charge_dis_4_4_2
Entries 1180
Mean 0.8505
RMS 0.9474


charge_dis_4_4_3
charge_dis_4_4_3
Entries 1180
Mean 0.8135
RMS 0.8872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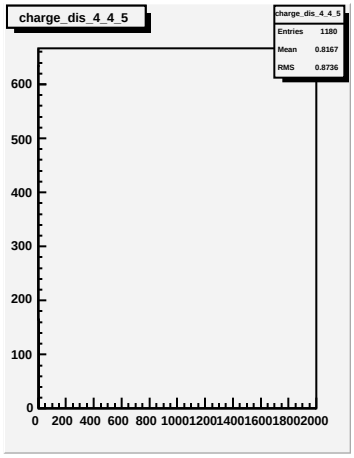
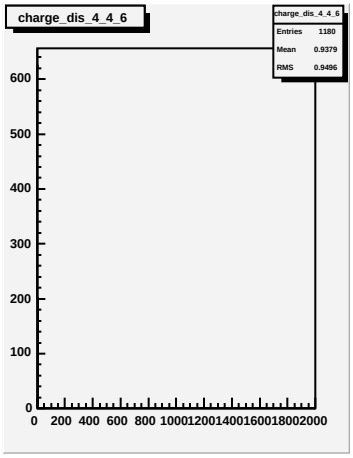
charge_dis_4_4_4
Entries 1180
Mean 0.8741
RMS 0.9858


charge_dis_4_4_5
charge_dis_4_4_5
Entries 1180
Mean 0.8167
RMS 0.8736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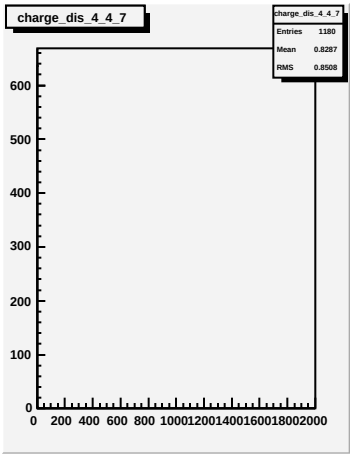
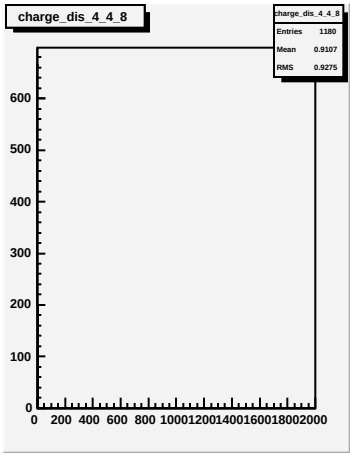
charge_dis_4_4_6
Entries 1180
Mean 0.9379
RMS 0.9496


charge_dis_4_4_7
charge_dis_4_4_7
Entries 1180
Mean 0.8287
RMS 0.8508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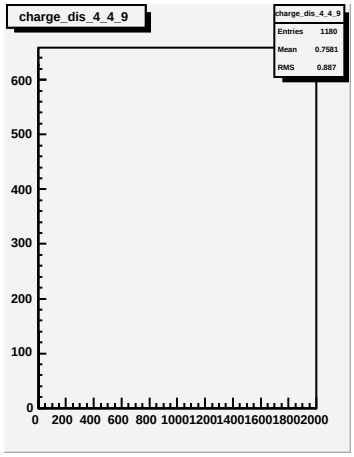
charge_dis_4_4_8
Entries 1180
Mean 0.9107
RMS 0.9275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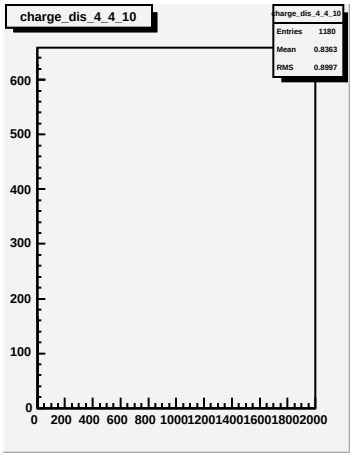
Mean 0.7581
RMS 0.887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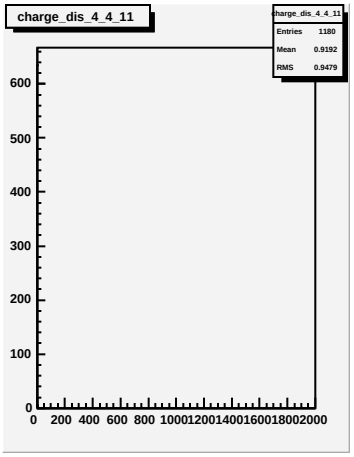
charge_dis_4_4_10
Entries 1180
Mean 0.8363
RMS 0.8997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charge_dis_4_4_11
Entries 1180
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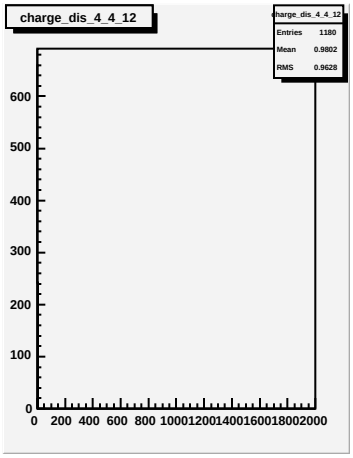
RMS 0.9479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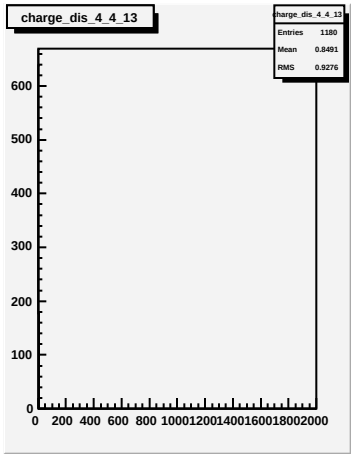
Entries 1180
Mean 0.9802
RMS 0.9628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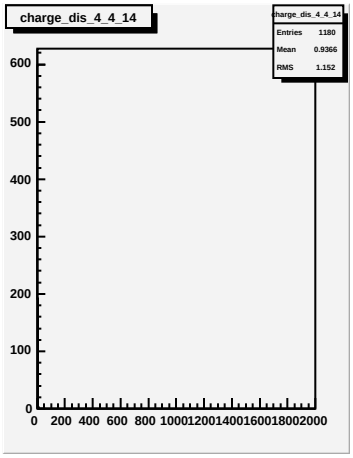
Entries 1180
Mean 0.8491
RMS 0.9276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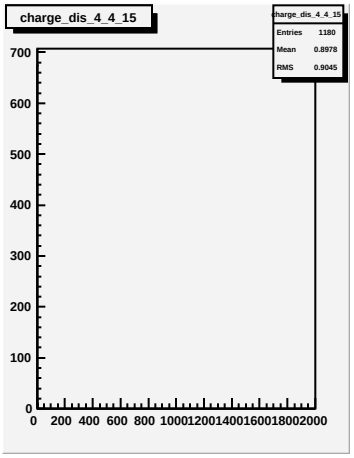
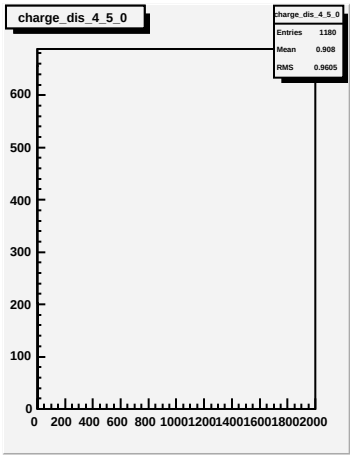
Entries 1180
Mean 0.9366
RMS 1.152


charge_dis_4_4_15
charge_dis_4_4_15
Entries 1180
Mean 0.8978
RMS 0.9045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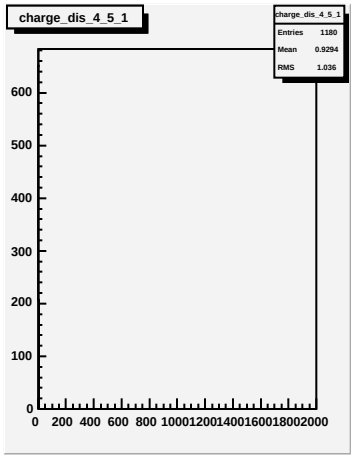
Entries 1180
Mean 0.908
RMS 0.9605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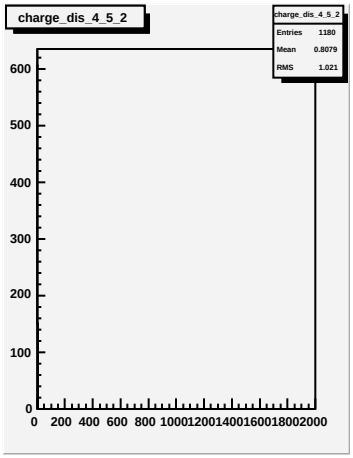
charge_dis_4_5_1
Entries 1180
Mean 0.9294
RMS 1.036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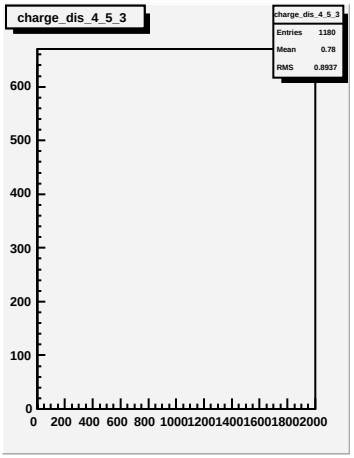
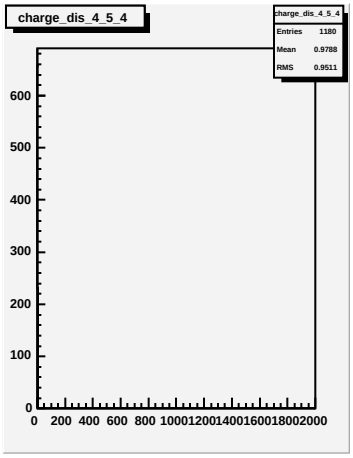
charge_dis_4_5_2
Entries 1180
Mean 0.8079
RMS 1.021


charge_dis_4_5_3
charge_dis_4_5_3
Entries 1180
Mean 0.78
RMS 0.8937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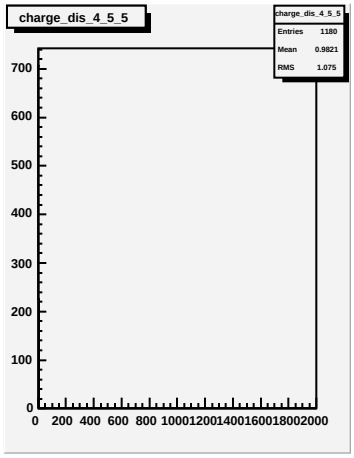
charge_dis_4_5_4
Entries 1180
Mean 0.9788
RMS 0.9511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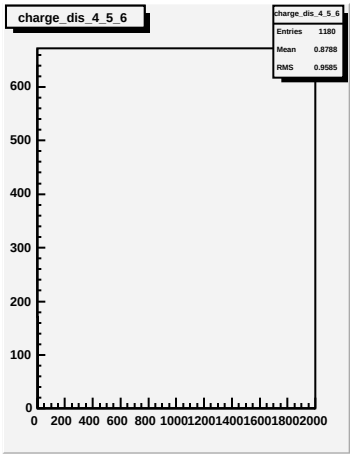
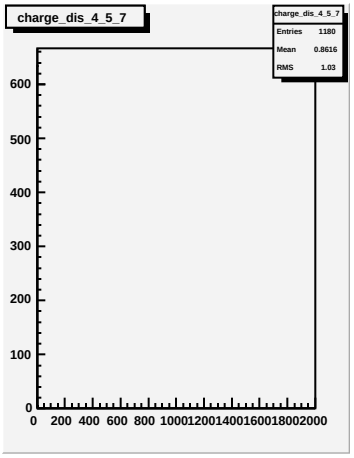
charge_dis_4_5_5
Entries 1180
Mean 0.9821
RMS 1.075


charge_dis_4_5_6
charge_dis_4_5_6
Entries 1180
Mean 0.8788
RMS 0.9585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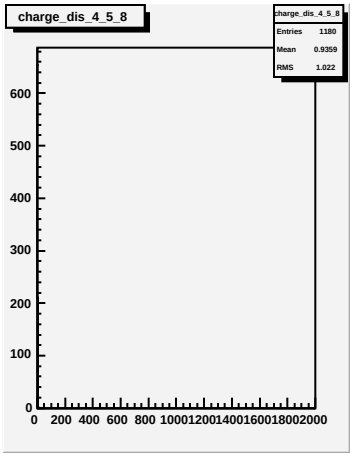
Entries 1180
Mean 0.8616
RMS 1.03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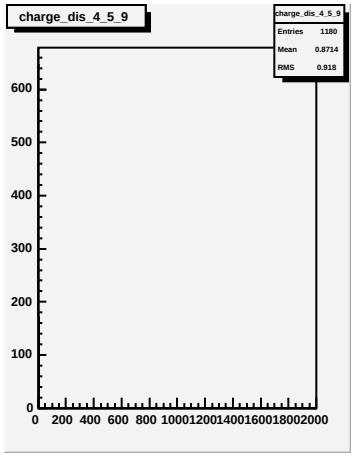
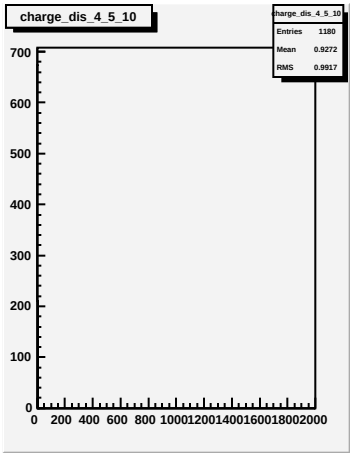
Mean 0.9359
RMS 1.022


charge_dis_4_5_9
charge_dis_4_5_9
Entries 1180
Mean 0.8714
RMS 0.918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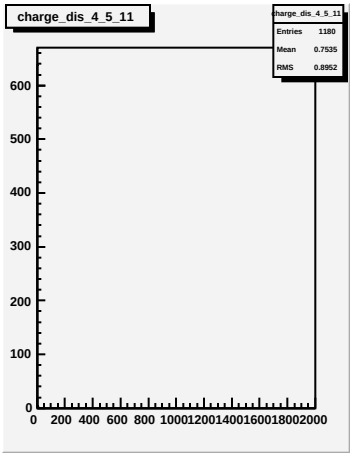
Entries 1180
Mean 0.9272
RMS 0.9917


charge_dis_4_5_11
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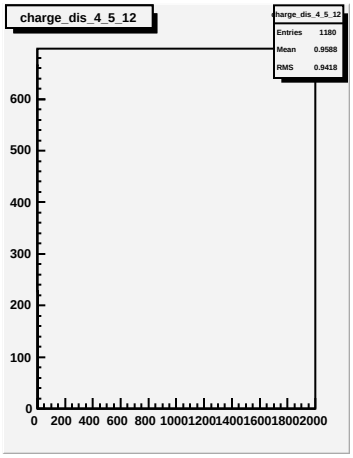
Entries 1180
Mean 0.7535
RMS 0.8952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Entries 1180
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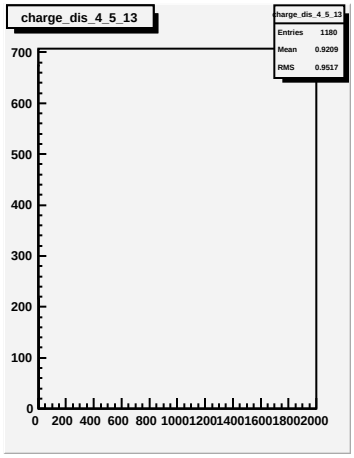
RMS 0.9418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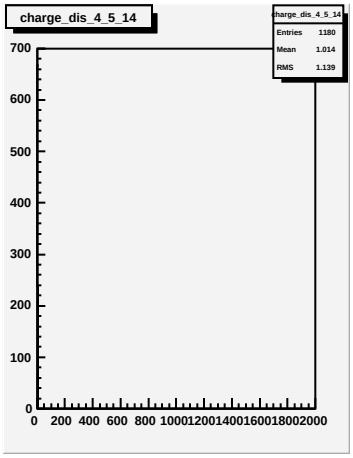
Mean 0.9209
RMS 0.9517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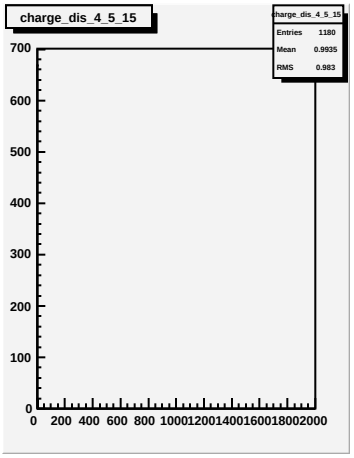
Entries 1180
Mean 1.014
RMS 1.139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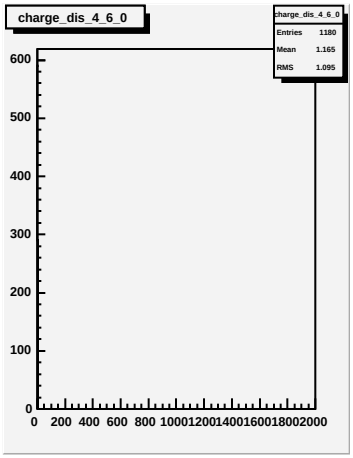
Mean 0.9935
RMS 0.983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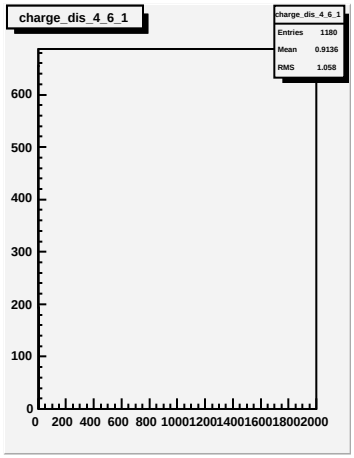
Mean 1.165
RMS 1.095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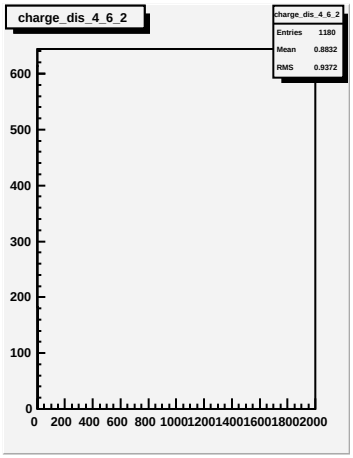
Mean 0.9136
RMS 1.058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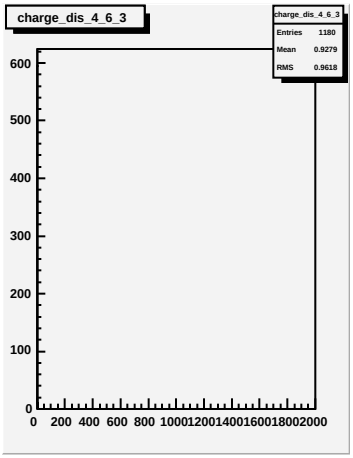
Mean 0.8832
RMS 0.9372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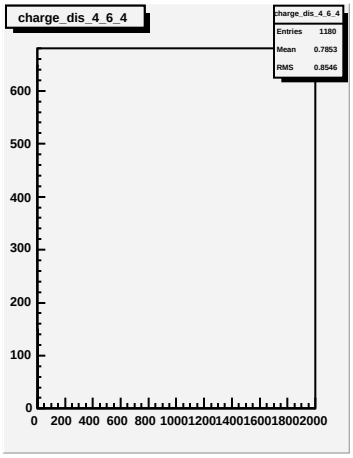
Mean 0.9279
RMS 0.9618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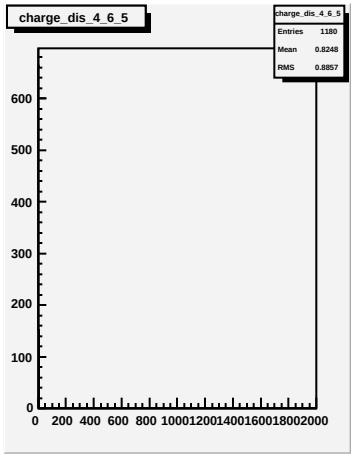
RMS 0.8546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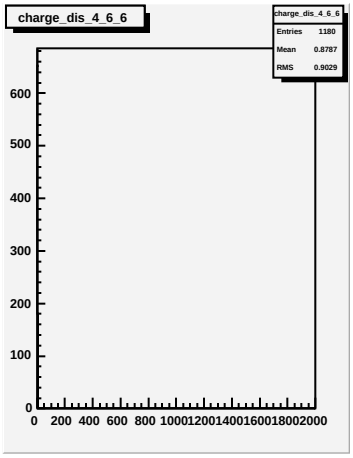
Mean 0.8248
RMS 0.8857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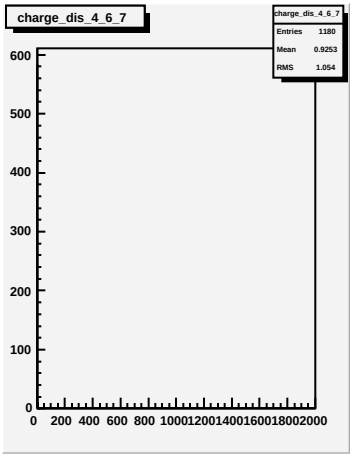
Mean 0.8787
RMS 0.9029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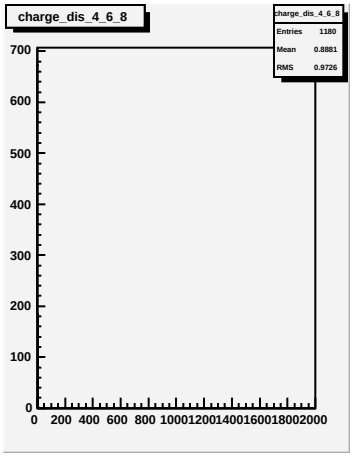
Entries 1180
Mean 0.9253
RMS 1.054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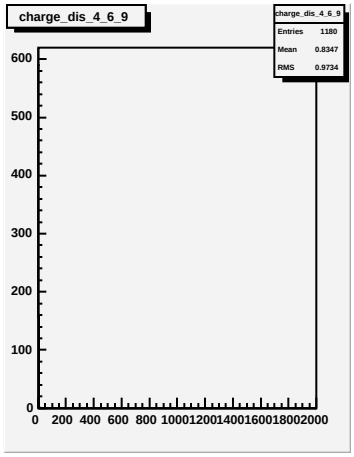
Mean 0.8881
RMS 0.9726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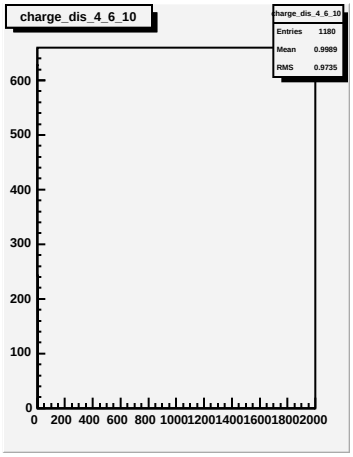
RMS 0.9734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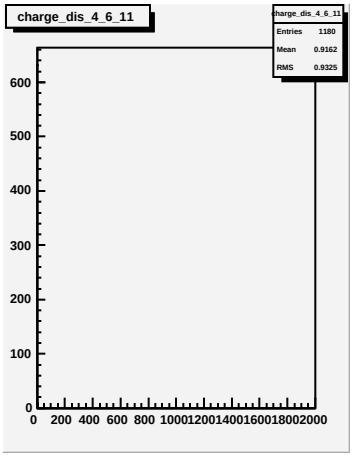
RMS 0.9735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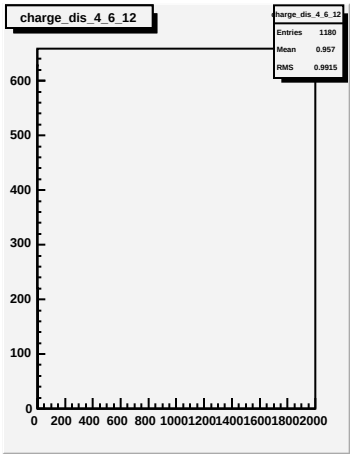
RMS 0.9325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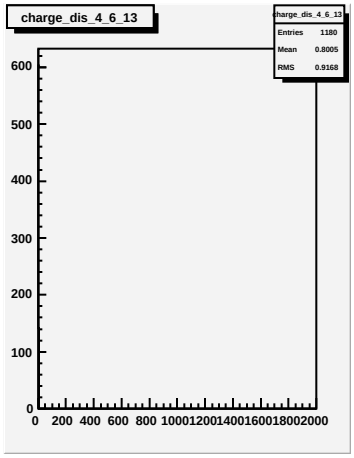
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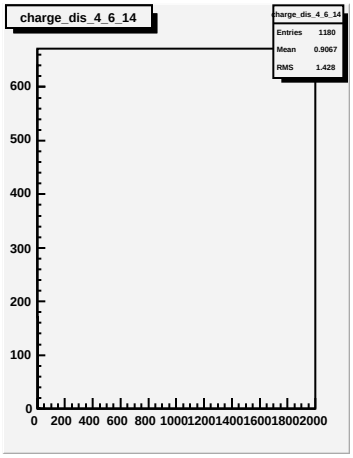
RMS 0.9168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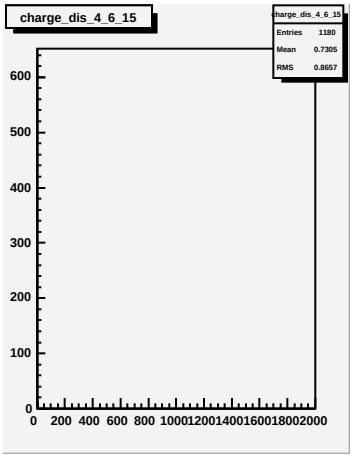
RMS 1.428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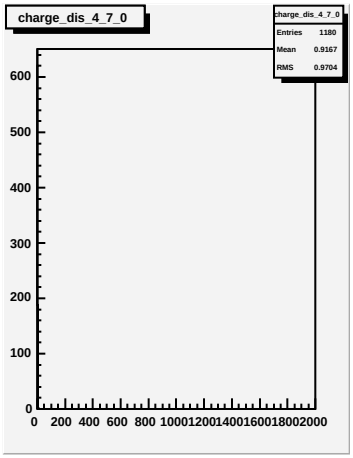
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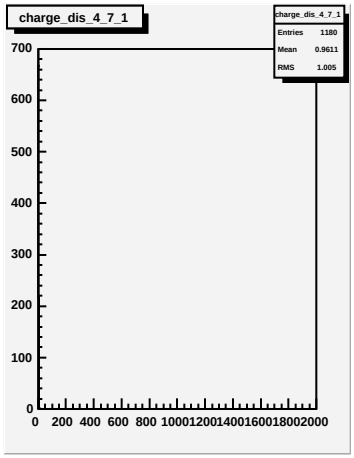
RMS 0.9704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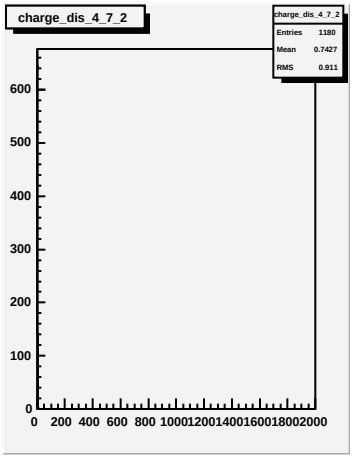
Mean 0.9611
RMS 1.005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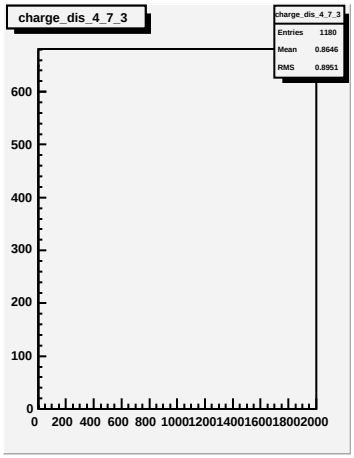
RMS 0.911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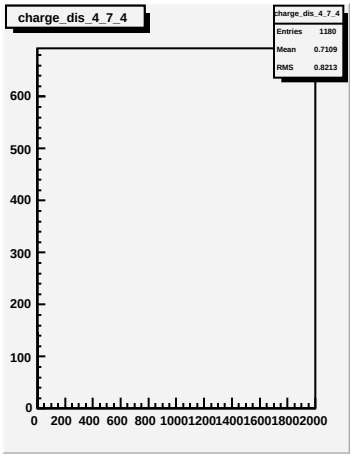
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charge_dis_4_7_4
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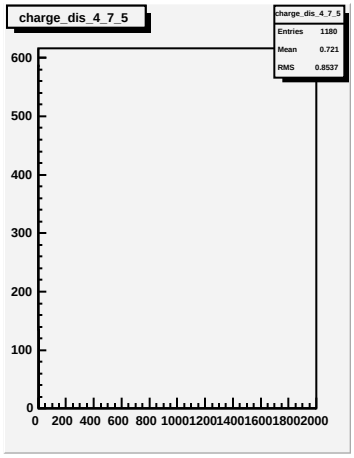
RMS 0.8213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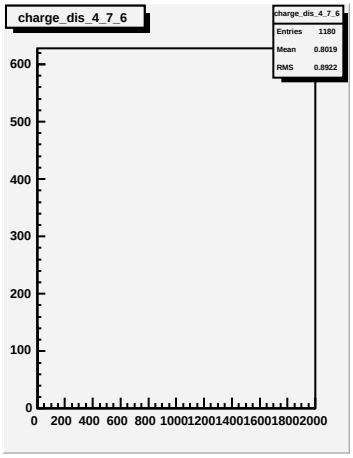
RMS 0.8537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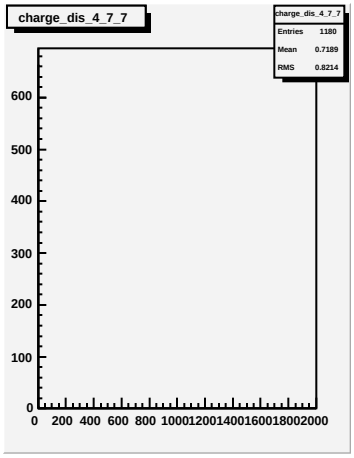
Entries 1180
Mean 0.8019
RMS 0.8922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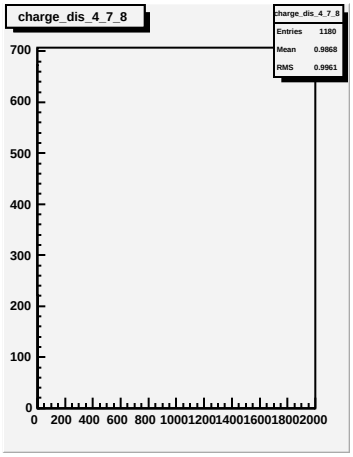
Entries 1180
Mean 0.7189
RMS 0.8214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Entries 1180
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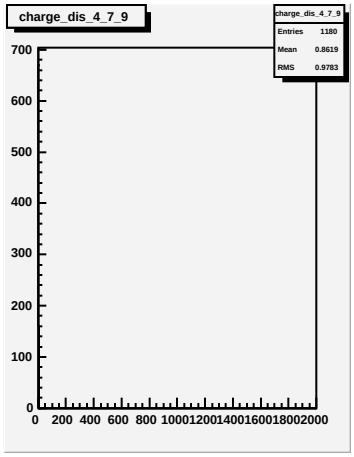
RMS 0.9961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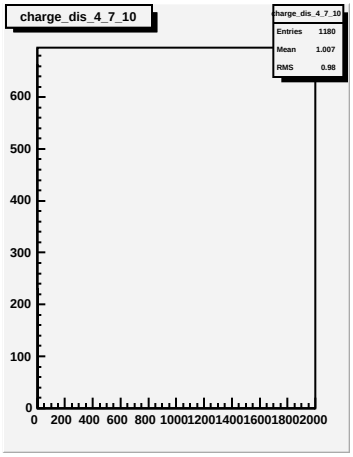
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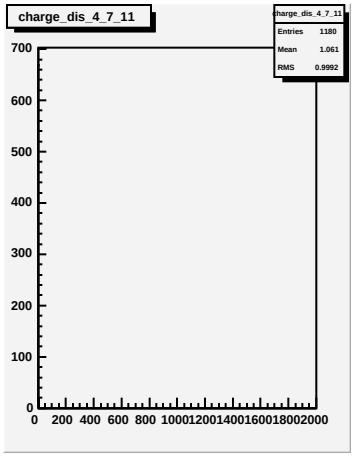
Entries 1180
Mean 1.007
RMS 0.98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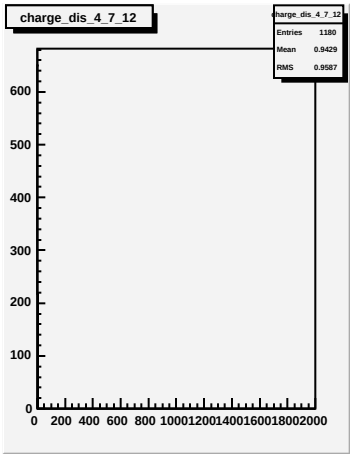
RMS 0.9992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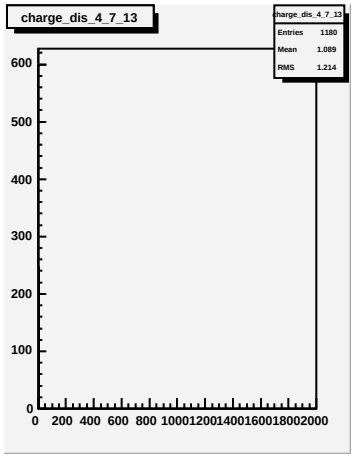
Mean 0.9429
RMS 0.9587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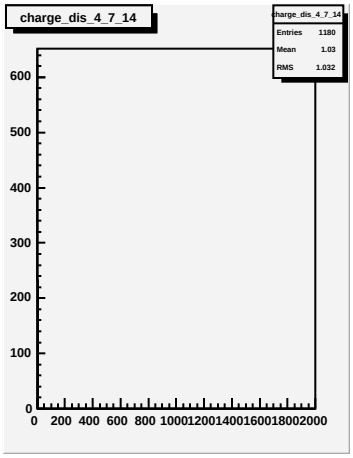
RMS 1.214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Mean 1.03
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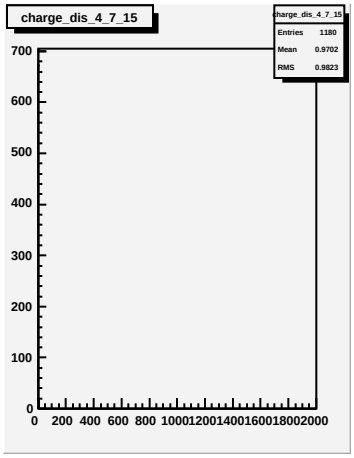
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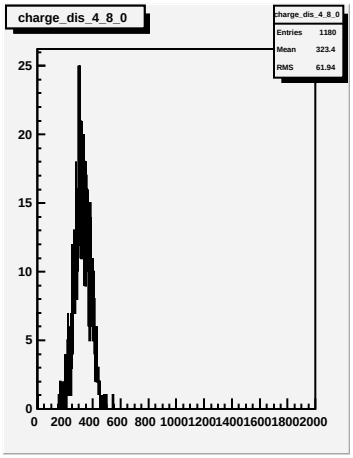
RMS 0.9823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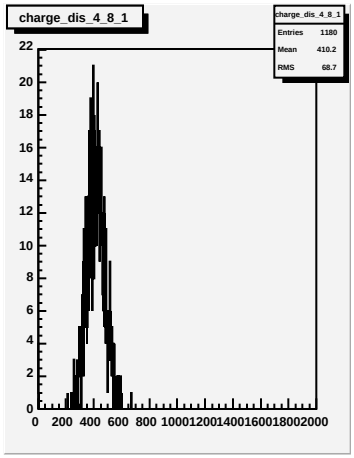
Mean 323.4
RMS 61.94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Entries 1180
Mean 410.2
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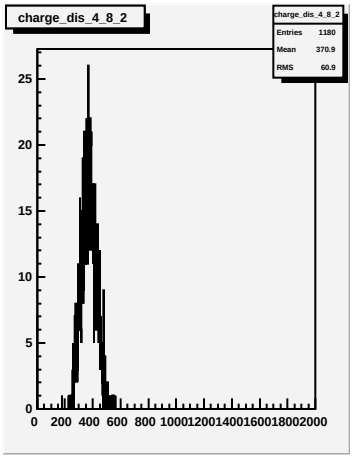
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Mean 370.9
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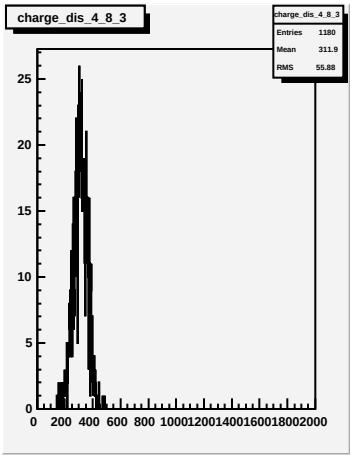
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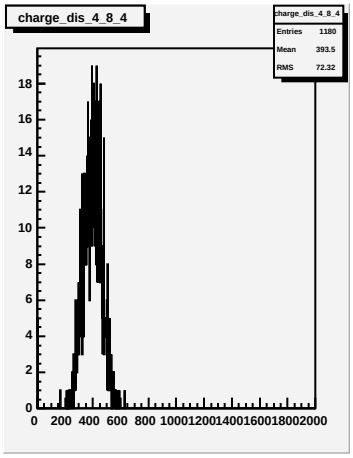
Entries 1180
Mean 311.9
RMS 55.88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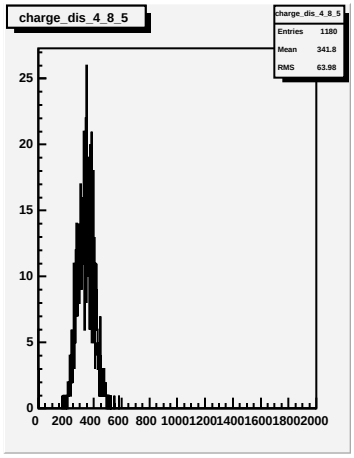
charge_dis_4_8_4
Entries 1180
Mean 393.5
RMS 72.32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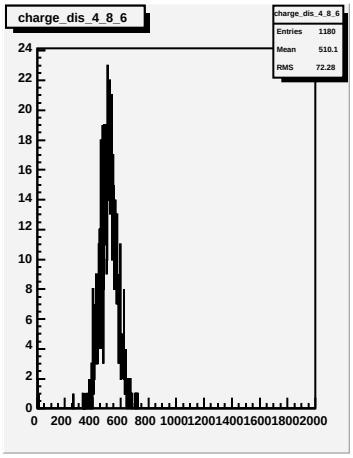
charge_dis_4_8_5
Entries 1180
Mean 341.8
RMS 63.98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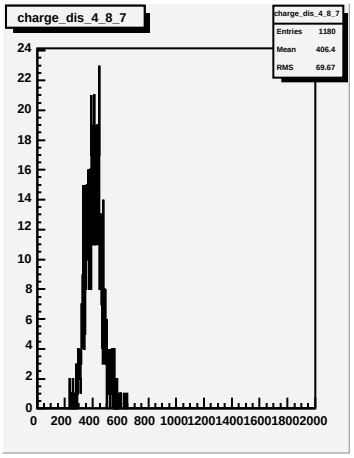
Entries 1180
Mean 510.1
RMS 72.28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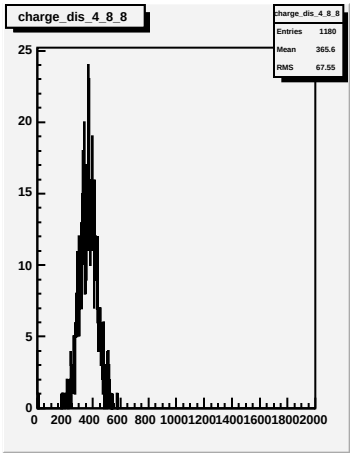
Entries 1180
Mean 406.4
RMS 69.67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Mean 365.6
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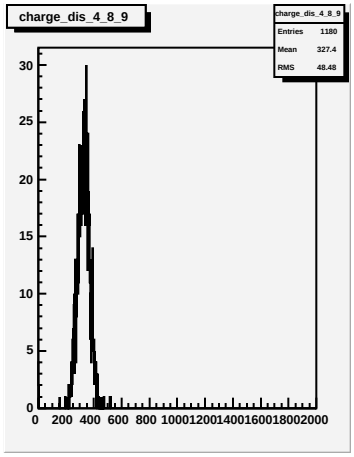
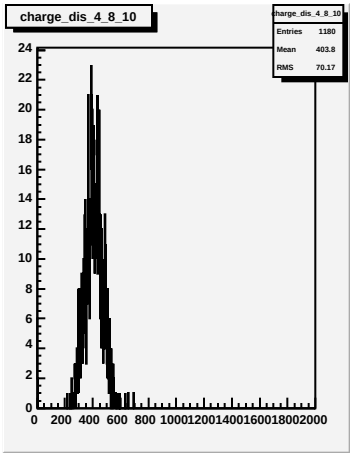
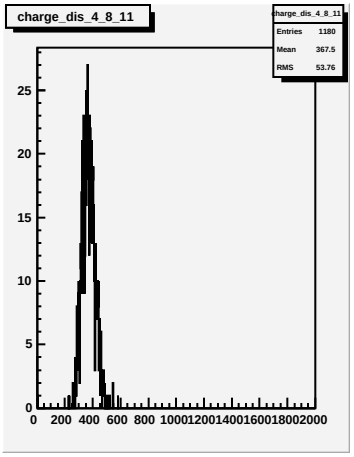
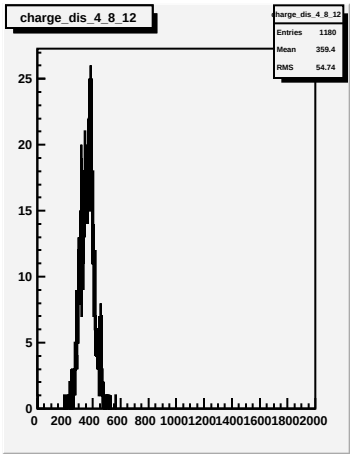

charge_dis_4_8_9
charge_dis_4_8_9
Entries 1180
Mean 327.4
RMS 48.48


charge_dis_4_8_10
charge_dis_4_8_10
Entries 1180
Mean 403.8
RMS 70.17


charge_dis_4_8_11
charge_dis_4_8_11
Entries 1180
Mean 367.5
RMS 53.76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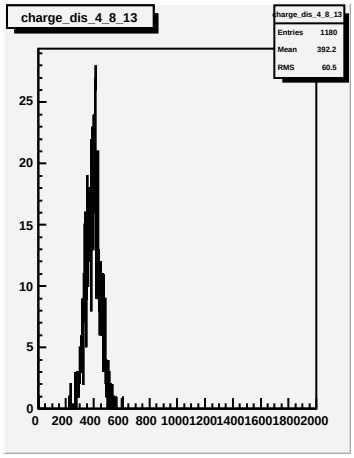
Entries 1180
Mean 359.4
RMS 54.74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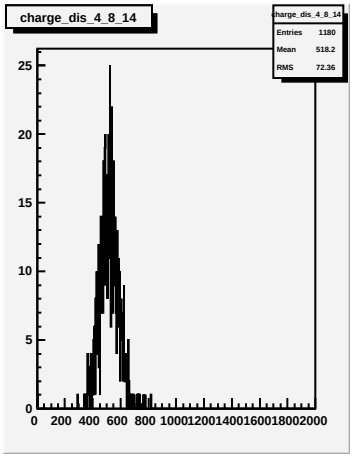
Entries 1180
Mean 392.2
RMS 60.5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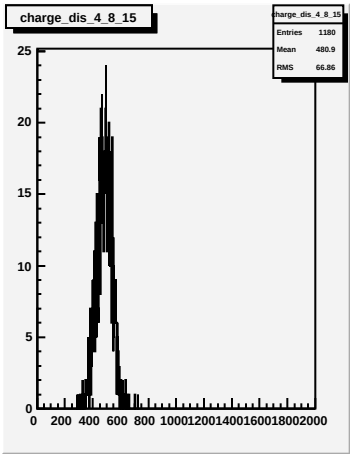
charge_dis_4_8_14
Entries 1180
Mean 518.2
RMS 72.36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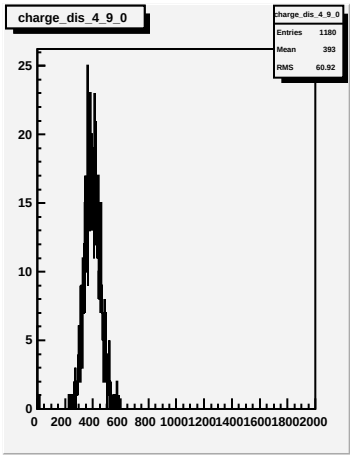
Entries 1180
Mean 480.9
RMS 66.86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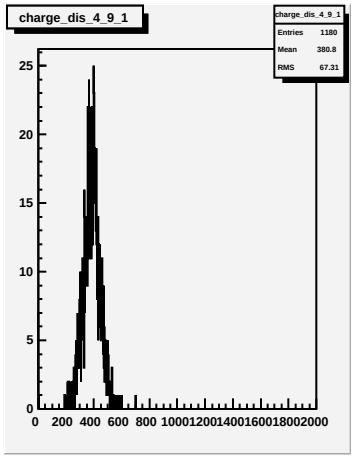
Mean 393
RMS 60.92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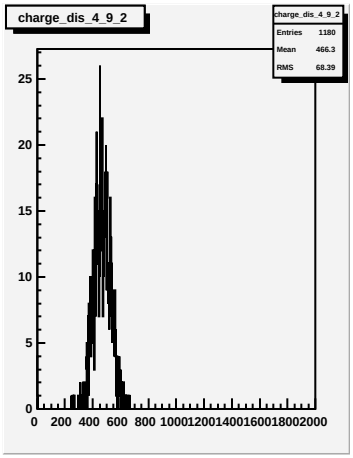
charge_dis_4_9_1
Entries 1180
Mean 380.8
RMS 67.31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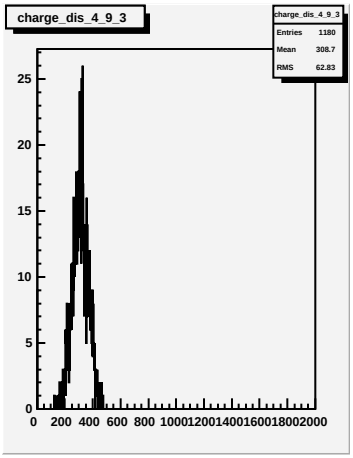
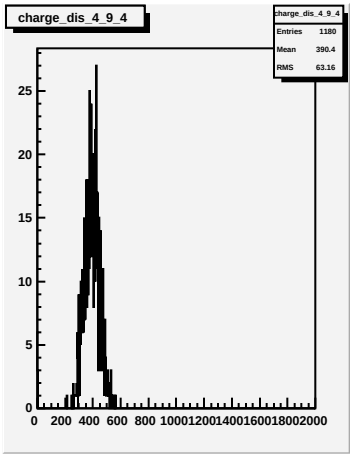
Entries 1180
Mean 466.3
RMS 68.39


charge_dis_4_9_3
charge_dis_4_9_3
Entries 1180
Mean 308.7
RMS 62.83


charge_dis_4_9_4
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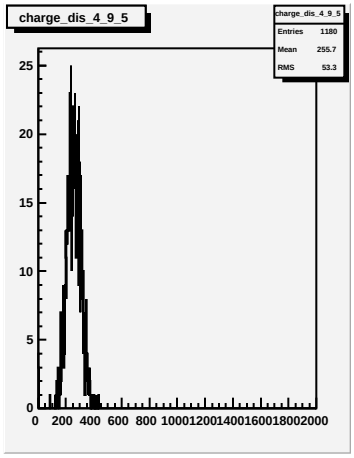
Entries 1180
Mean 390.4
RMS 63.16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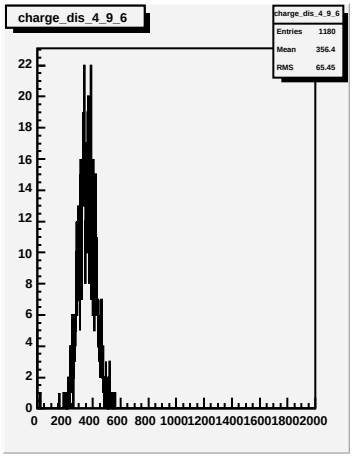
charge_dis_4_9_5
Entries 1180
Mean 255.7
RMS 53.3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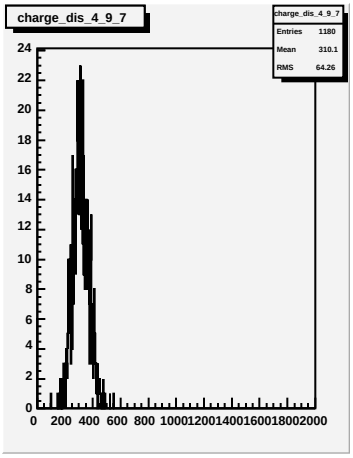
charge_dis_4_9_6
Entries 1180
Mean 356.4
RMS 65.45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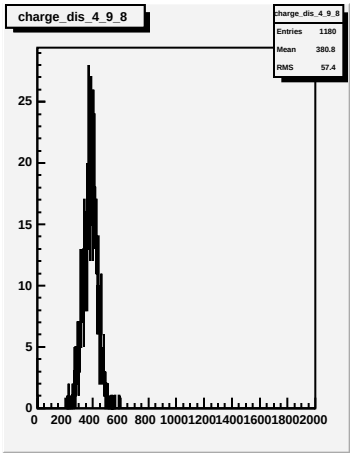
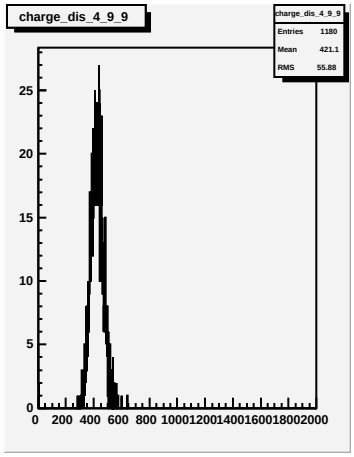
charge_dis_4_9_7
Entries 1180
Mean 310.1
RMS 64.26


charge_dis_4_9_8
charge_dis_4_9_8
Entries 1180
Mean 380.8
RMS 57.4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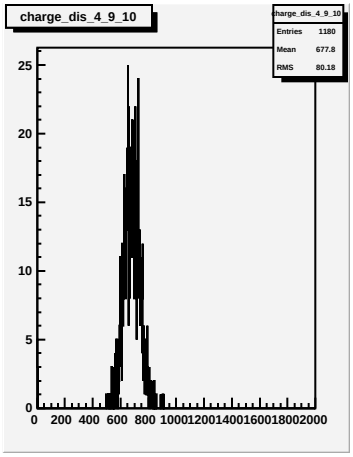
charge_dis_4_9_9
Entries 1180
Mean 421.1
RMS 55.88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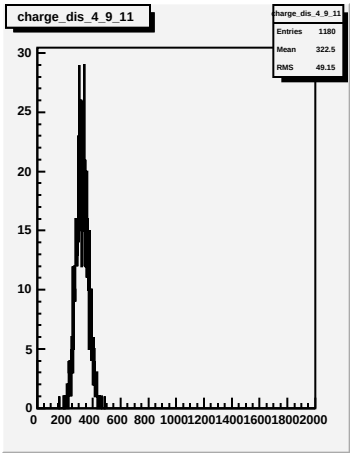
Mean 677.8
RMS 80.18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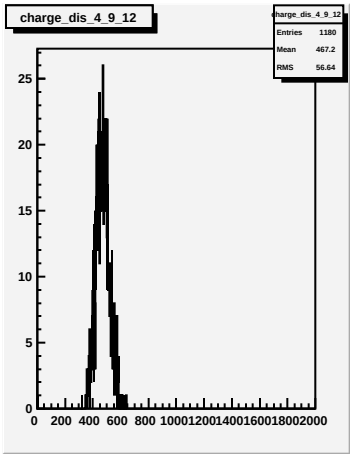
Entries 1180
Mean 322.5
RMS 49.15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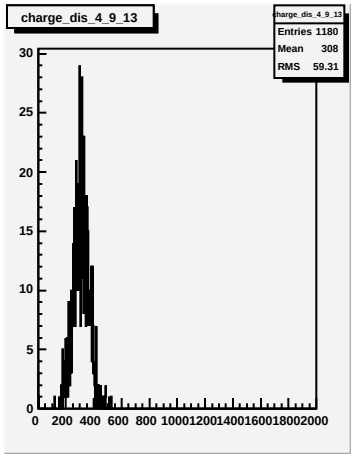
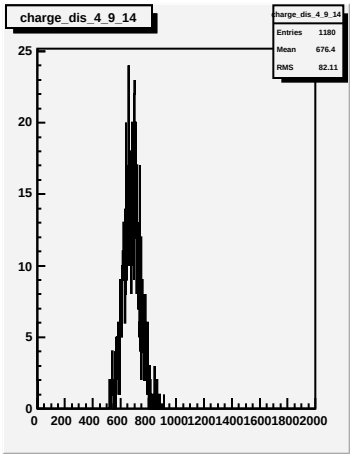
charge_dis_4_9_12
Entries 1180
Mean 467.2
RMS 56.64


charge_dis_4_9_13
charge_dis_4_9_13
Entries 1180
Mean 308
RMS 59.31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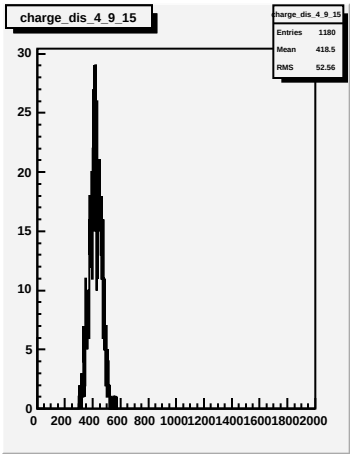
Entries 1180
Mean 676.4
RMS 82.11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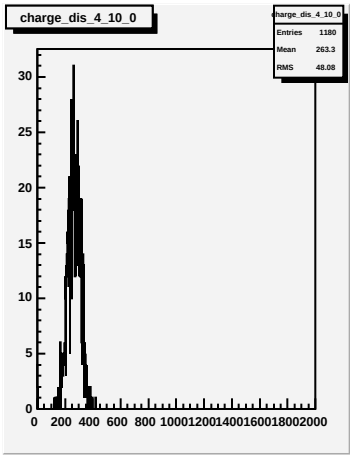
charge_dis_4_9_15
Entries 1180
Mean 418.5
RMS 52.56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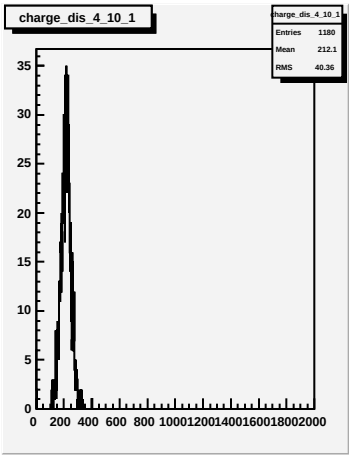
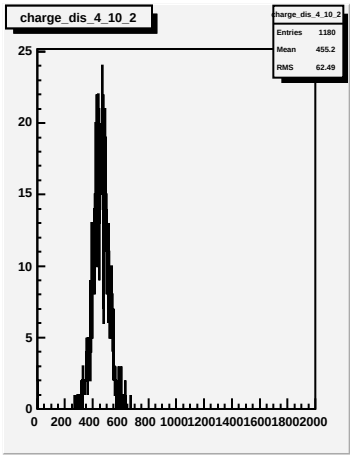
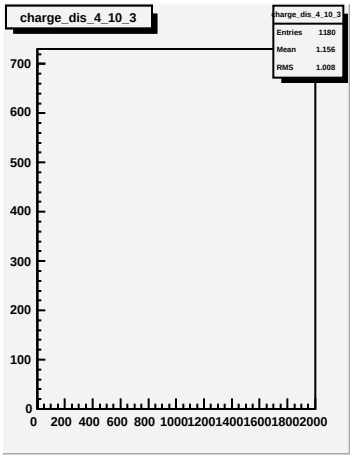
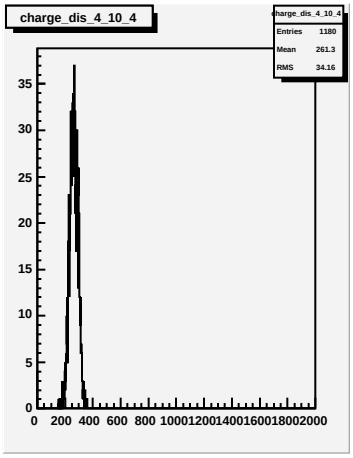
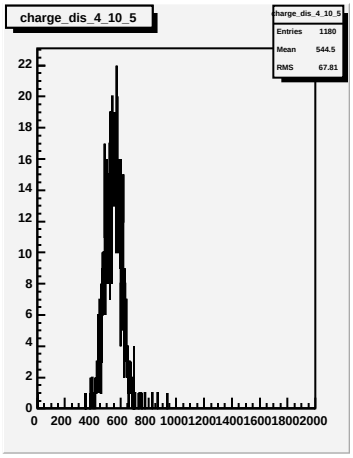
Entries 1180
Mean 263.3
RMS 48.08


charge_dis_4_10_1
Entries 1180
Mean 212.1
RMS 40.36


charge_dis_4_10_2
Entries 1180
Mean 455.2
RMS 62.49


charge_dis_4_10_3
Entries 1180
Mean 1.156
RMS 1.008


charge_dis_4_10_4
Entries 1180
Mean 261.3
RMS 34.16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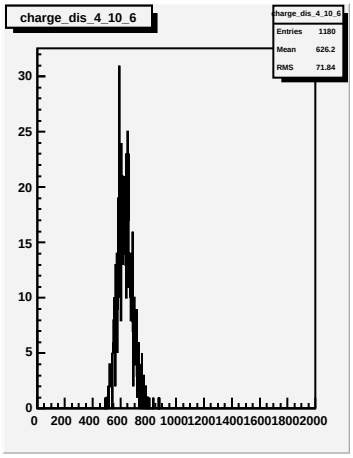
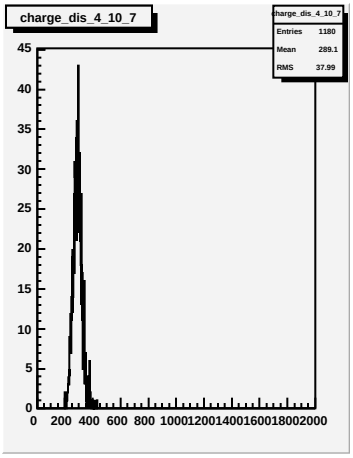
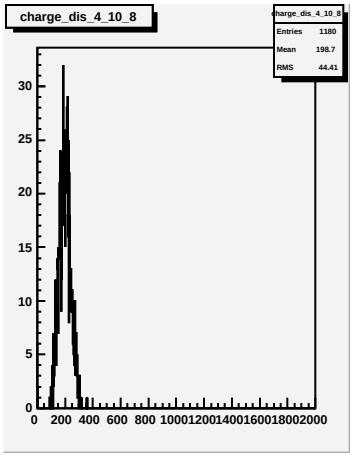
Entries 1180
Mean 544.5
RMS 67.81


charge_dis_4_10_6
Entries 1180
Mean 626.2
RMS 71.84


charge_dis_4_10_7
Entries 1180
Mean 289.1
RMS 37.99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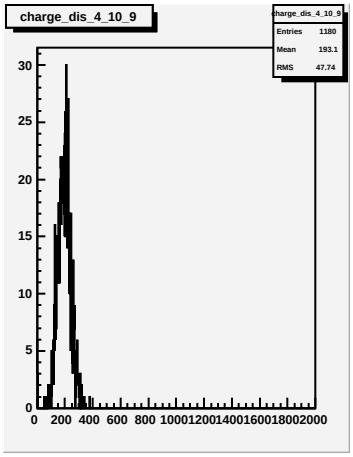
Entries 1180
Mean 198.7
RMS 44.41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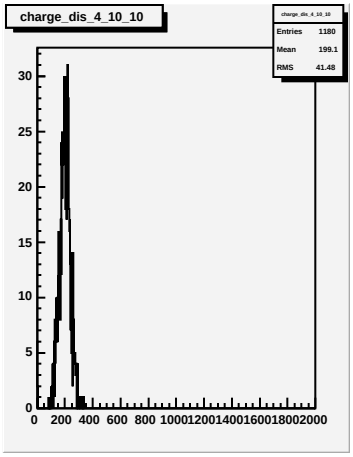
Entries 1180
Mean 193.1
RMS 47.74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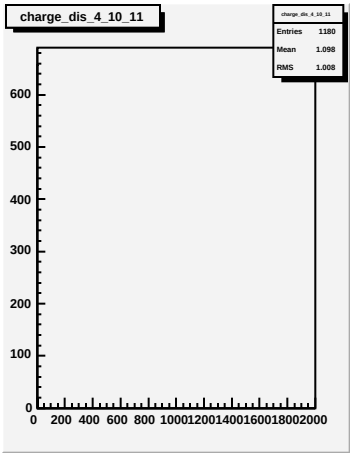
Entries 1180
Mean 199.1
RMS 41.48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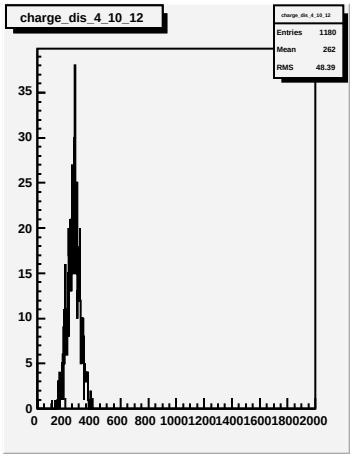
Entries 1180
Mean 1.098
RMS 1.008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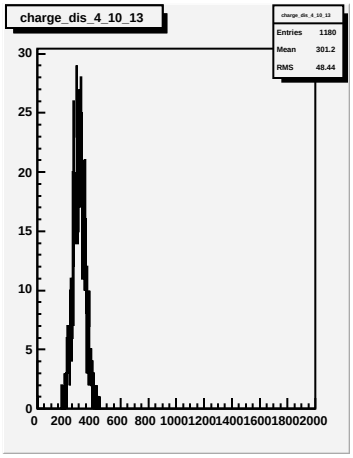
Entries 1180
Mean 262
RMS 48.39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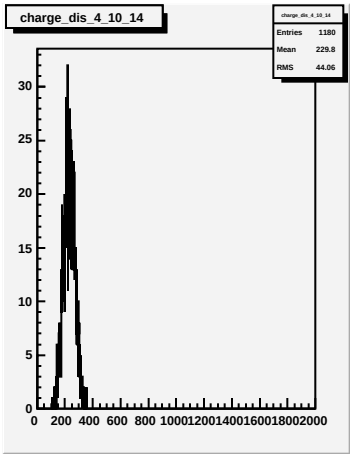
Entries 1180
Mean 301.2
RMS 48.44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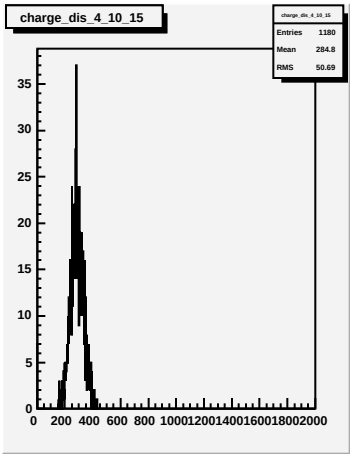
Mean 229.8
RMS 44.06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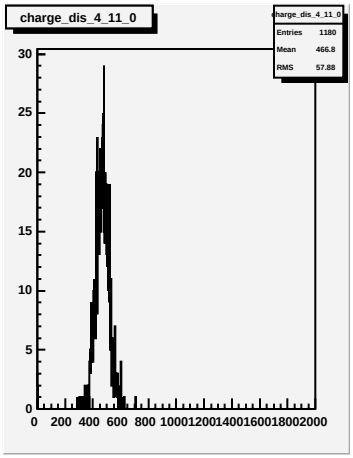
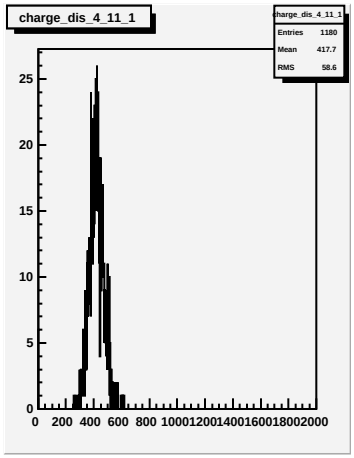
Mean 284.8
RMS 50.69


charge_dis_4_11_0
charge_dis_4_11_0
Entries 1180
Mean 466.8
RMS 57.88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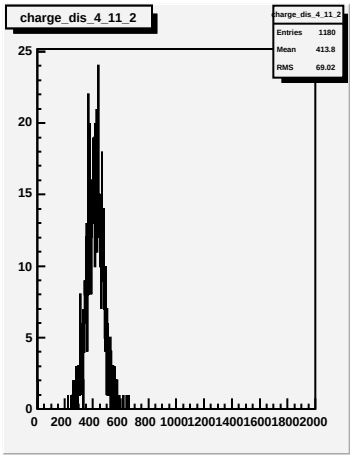
charge_dis_4_11_1
Entries 1180
Mean 417.7
RMS 58.6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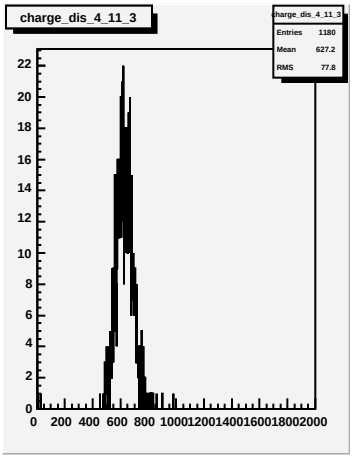
Mean 413.8
RMS 69.02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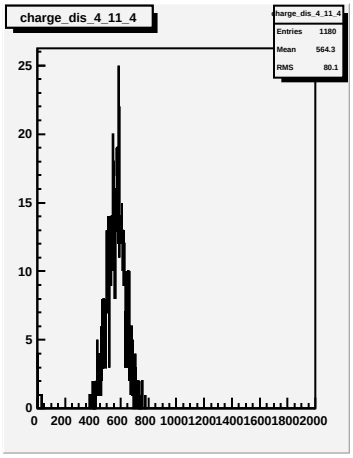
RMS 77.8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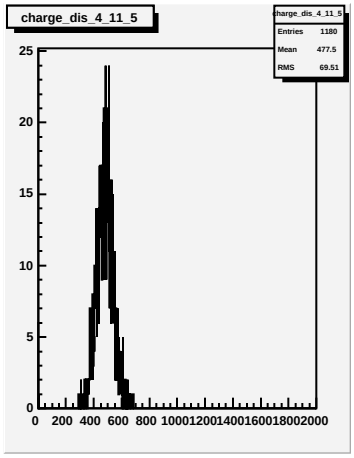
Entries 1180
Mean 564.3
RMS 80.1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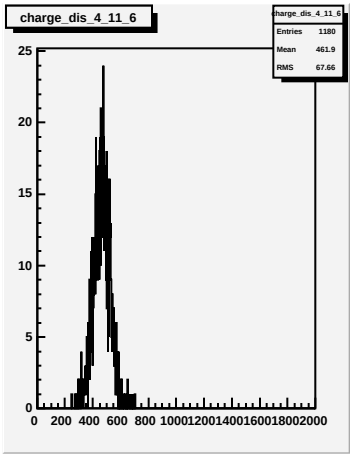
charge_dis_4_11_5
Entries 1180
Mean 477.5
RMS 69.51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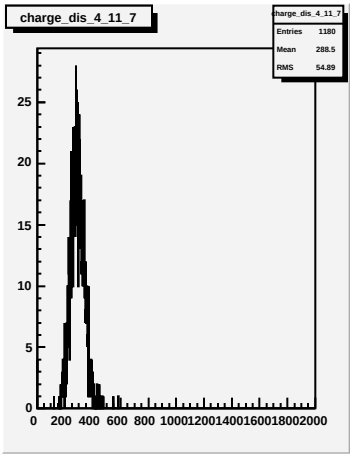
charge_dis_4_11_6
Entries 1180
Mean 461.9
RMS 67.66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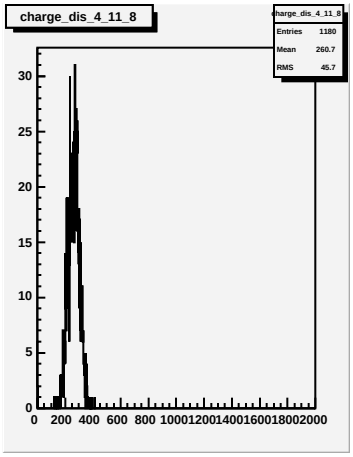
Entries 1180
Mean 288.5
RMS 54.89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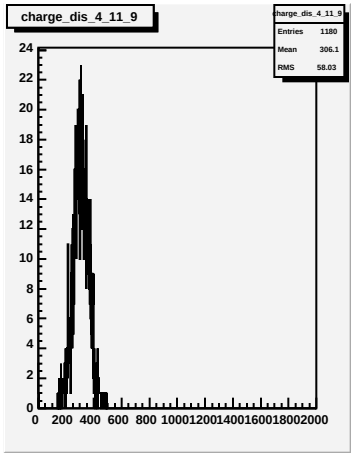
charge_dis_4_11_8
Entries 1180
Mean 260.7
RMS 45.7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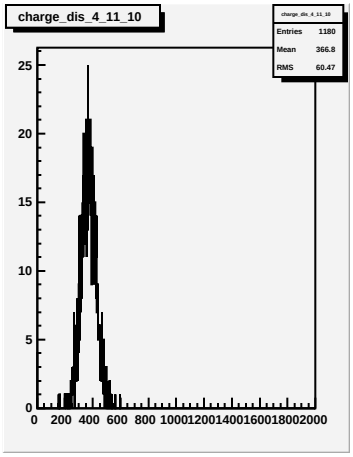
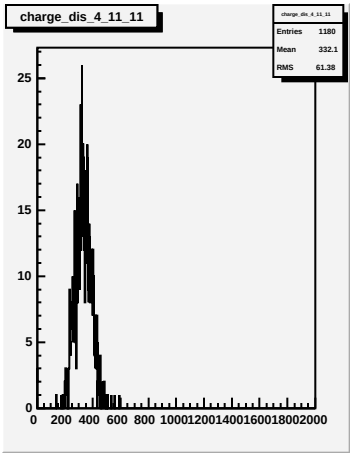
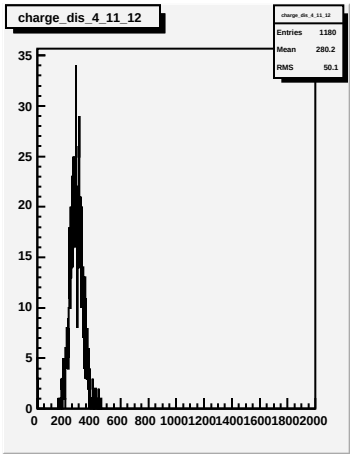
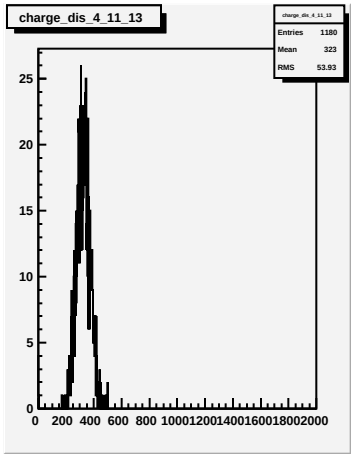
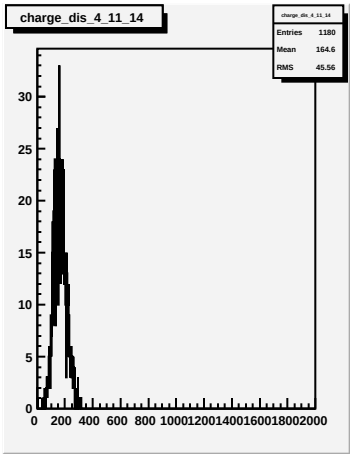
charge_dis_4_11_9
Entries 1180
Mean 306.1
RMS 58.03


charge_dis_4_11_10
charge_dis_4_11_10
Entries 1180
Mean 366.8
RMS 60.47


charge_dis_4_11_11
charge_dis_4_11_11
Entries 1180
Mean 332.1
RMS 61.38


charge_dis_4_11_12
charge_dis_4_11_12
Entries 1180
Mean 280.2
RMS 50.1


charge_dis_4_11_13
charge_dis_4_11_13
Entries 1180
Mean 323
RMS 53.93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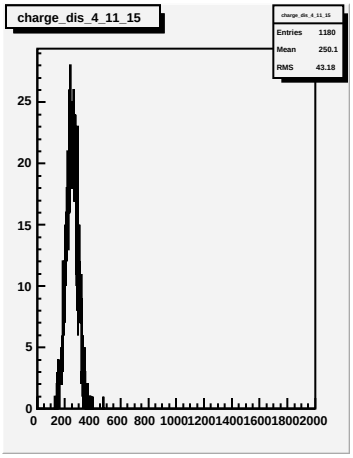
Entries 1180
Mean 164.6
RMS 45.56


charge_dis_4_11_15
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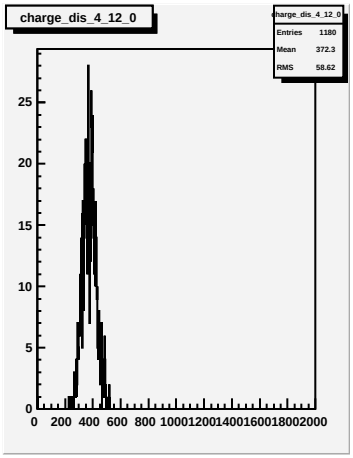
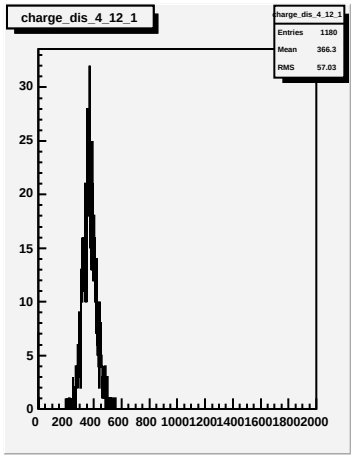
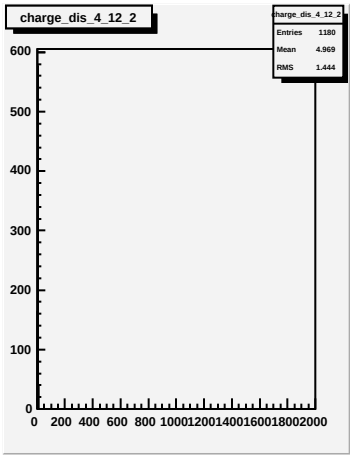
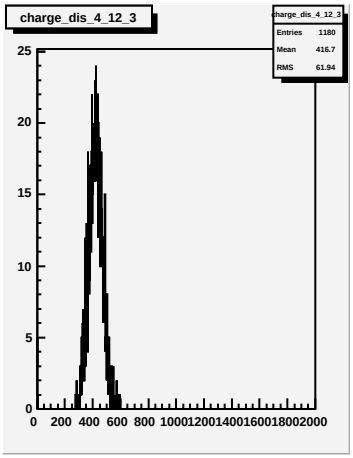
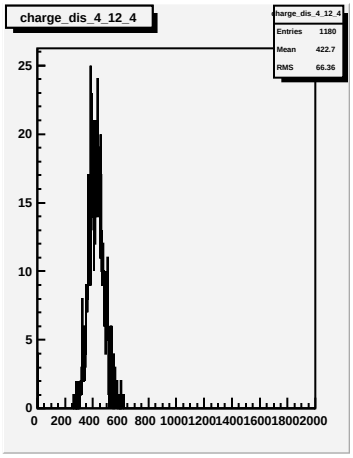
Entries 1180
Mean 250.1
RMS 43.18

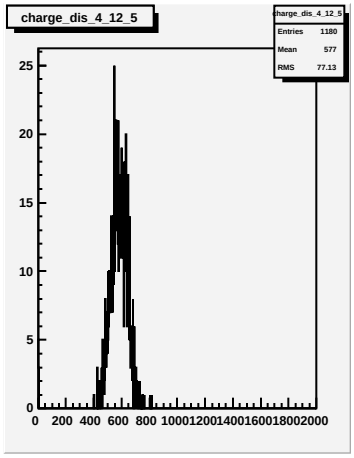

charge_dis_4_12_0
Entries 1180
Mean 372.3
RMS 58.62

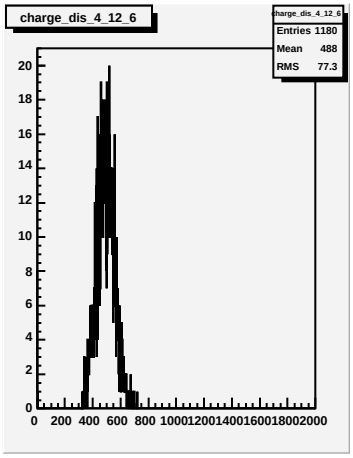

charge_dis_4_12_1
Entries 1180
Mean 366.3
RMS 57.03

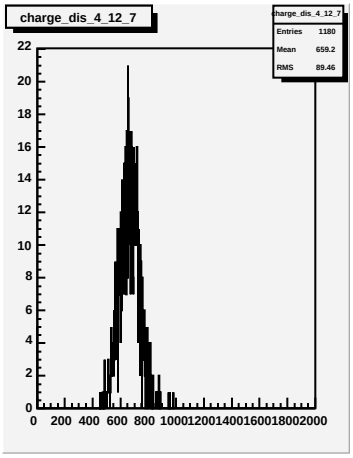

charge_dis_4_12_2
Entries 1180
Mean 4.969
RMS 1.444

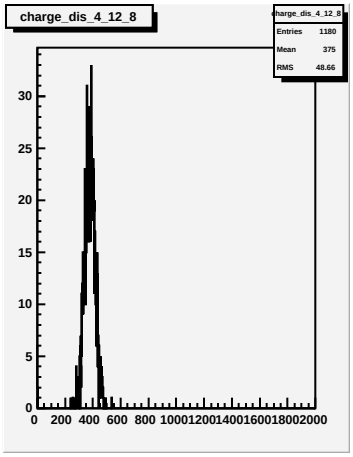

charge_dis_4_12_3
Entries 1180
Mean 416.7
RMS 61.94

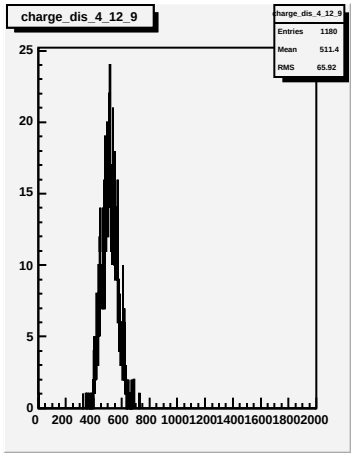

charge_dis_4_12_4
Entries 1180
Mean 422.7
RMS 66.36

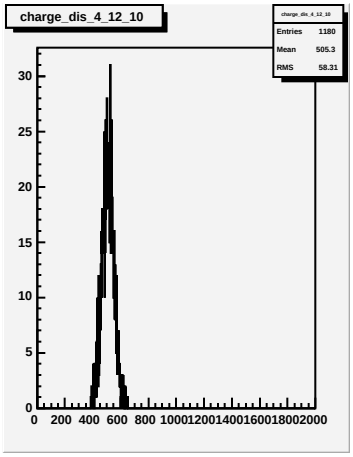

charge_dis_4_12_5
Entries 1180
Mean 577
RMS 77.13

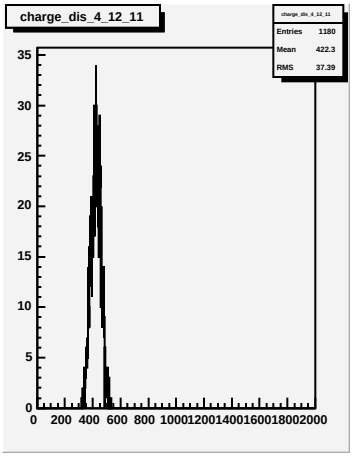

charge_dis_4_12_6
Entries 1180
Mean 488
RMS 77.3

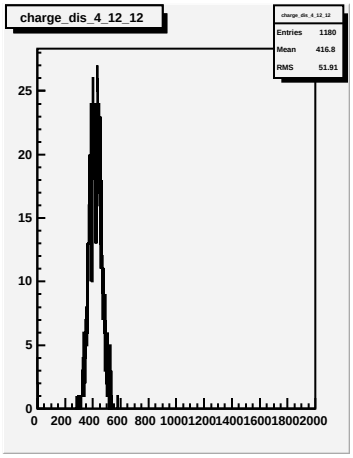

charge_dis_4_12_7
Entries 1180
Mean 659.2
RMS 89.46

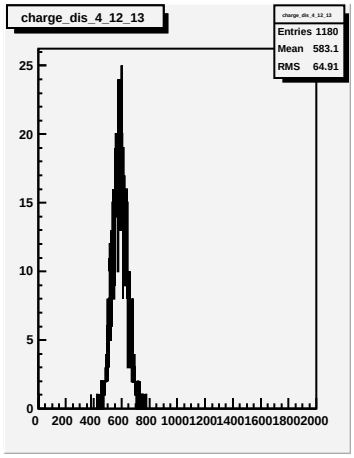

charge_dis_4_12_8
Entries 1180
Mean 375
RMS 48.66

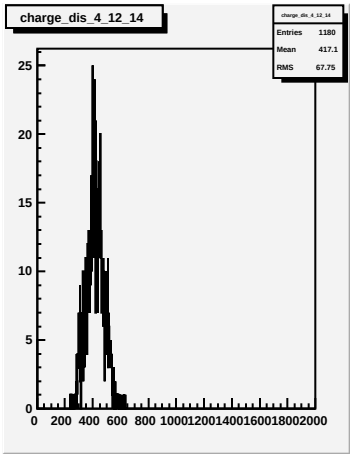

charge_dis_4_12_9
Entries 1180
Mean 511.4
RMS 65.92


charge_dis_4_12_10
Entries 1180
Mean 505.3
RMS 58.31


charge_dis_4_12_11
Entries 1180
Mean 422.3
RMS 37.39


charge_dis_4_12_12
Entries 1180
Mean 416.8
RMS 51.91


charge_dis_4_12_13
Entries 1180
Mean 583.1
RMS 64.91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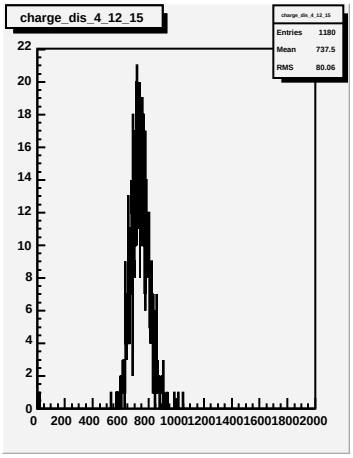
Entries 1180
Mean 417.1
RMS 67.75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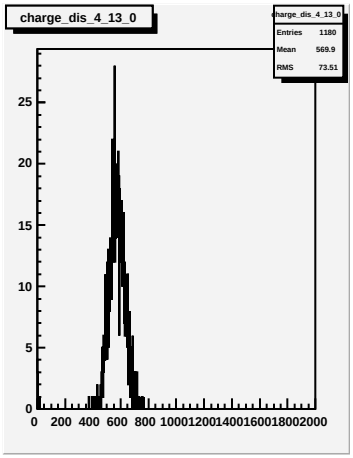
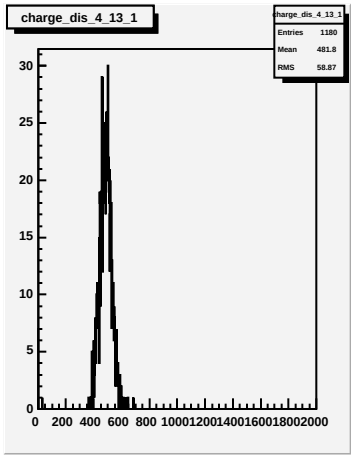
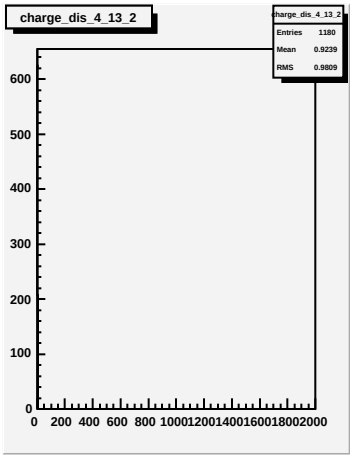
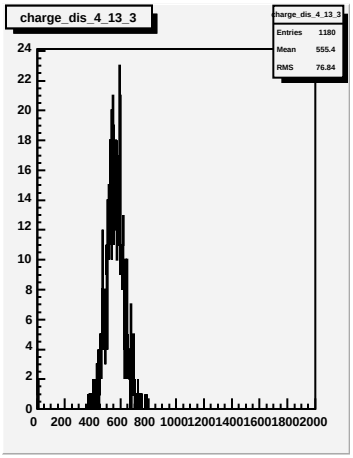
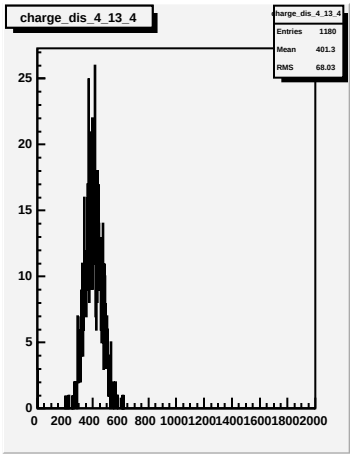
Entries 1180
Mean 737.5
RMS 80.06

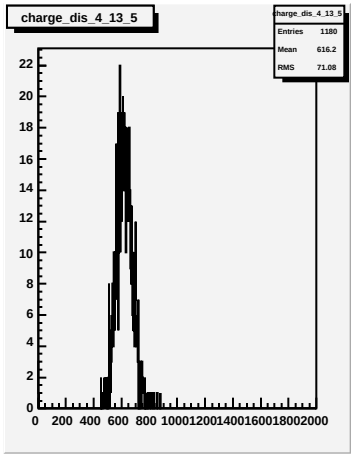

charge_dis_4_13_0
Entries 1180
Mean 569.9
RMS 73.51

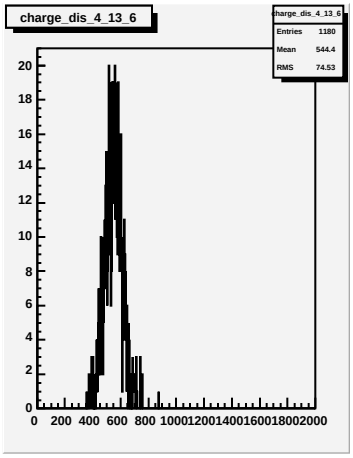

charge_dis_4_13_1
Entries 1180
Mean 481.8
RMS 58.87

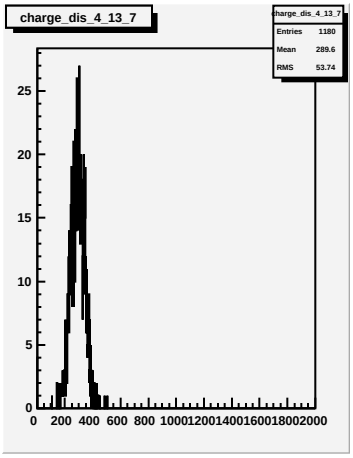

charge_dis_4_13_2
Entries 1180
Mean 0.9239
RMS 0.9809

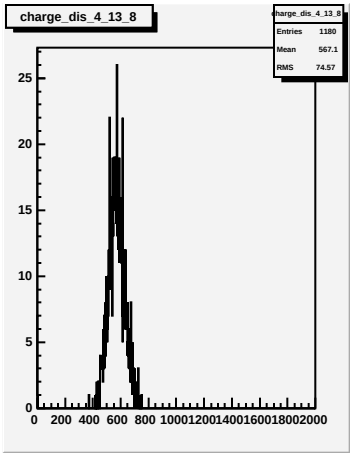

charge_dis_4_13_3
Entries 1180
Mean 555.4
RMS 76.84

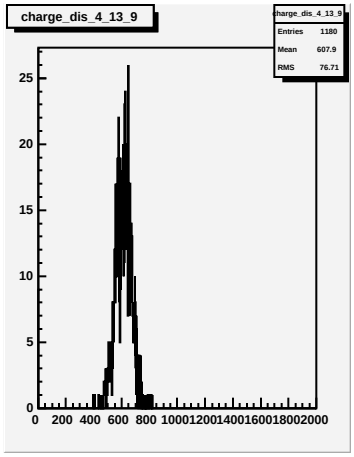

charge_dis_4_13_4
Entries 1180
Mean 401.3
RMS 68.03

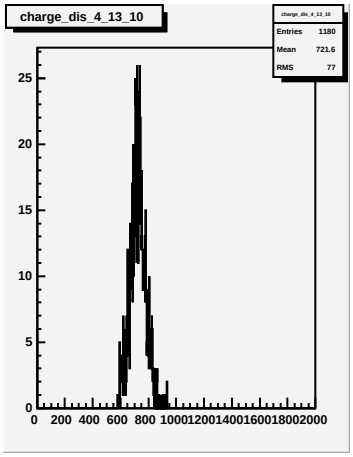

charge_dis_4_13_5
Entries 1180
Mean 616.2
RMS 71.08

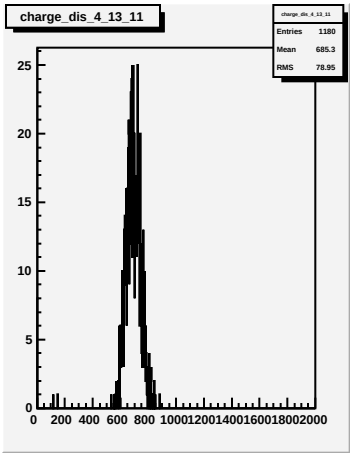

charge_dis_4_13_6
Entries 1180
Mean 544.4
RMS 74.53

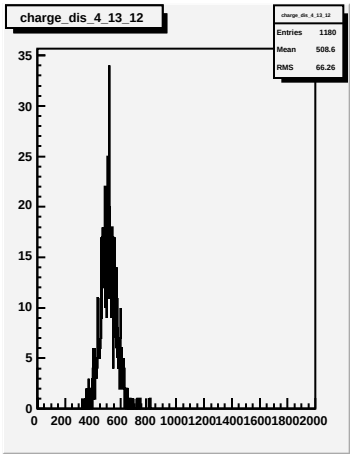

charge_dis_4_13_7
Entries 1180
Mean 289.6
RMS 53.74

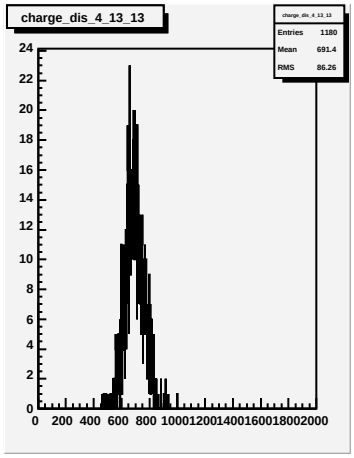

charge_dis_4_13_8
Entries 1180
Mean 567.1
RMS 74.57


charge_dis_4_13_9
Entries 1180
Mean 607.9
RMS 76.71


charge_dis_4_13_10
Entries 1180
Mean 721.6
RMS 77


charge_dis_4_13_11
Entries 1180
Mean 685.3
RMS 78.95


charge_dis_4_13_12
Entries 1180
Mean 508.6
RMS 66.26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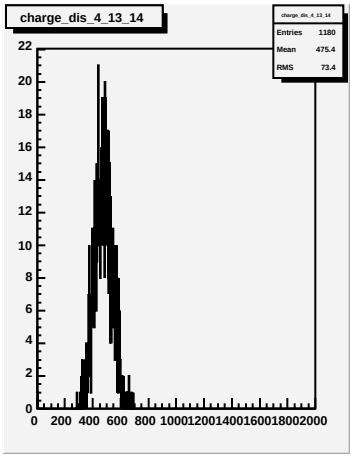
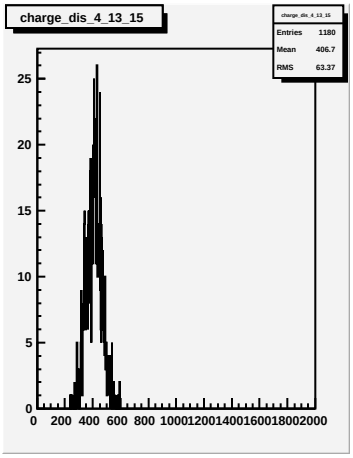
Entries 1180
Mean 691.4
RMS 86.26


charge_dis_4_13_14
Entries 1180
Mean 475.4
RMS 73.4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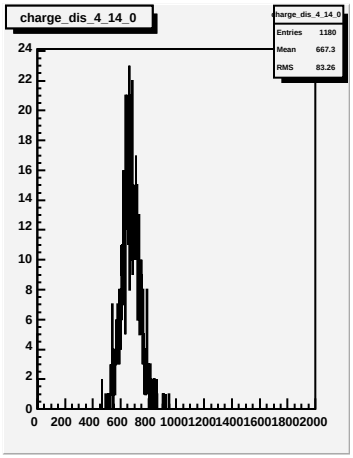
Entries 1180
Mean 406.7
RMS 63.37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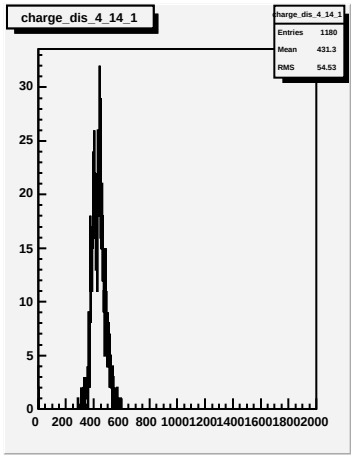
charge_dis_4_14_0
Entries 1180
Mean 667.3
RMS 83.26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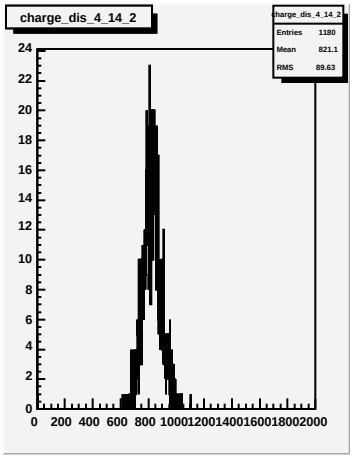
Entries 1180
Mean 431.3
RMS 54.53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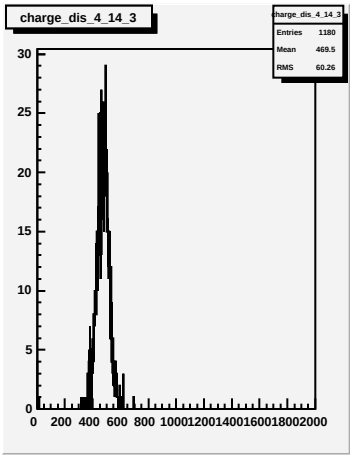
Entries 1180
Mean 821.1
RMS 89.63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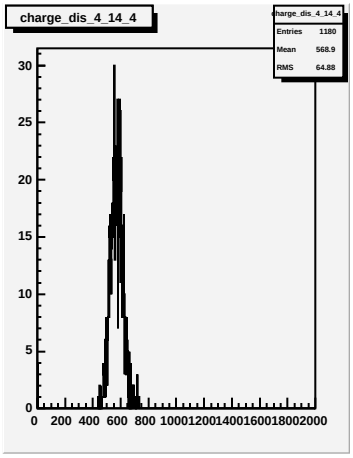
Entries 1180
Mean 469.5
RMS 60.26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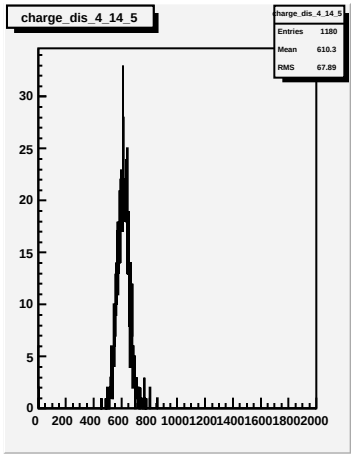
charge_dis_4_14_4
Entries 1180
Mean 568.9
RMS 64.88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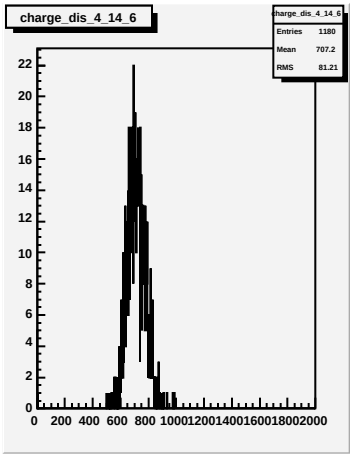
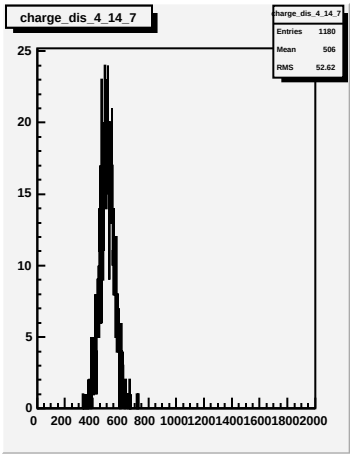
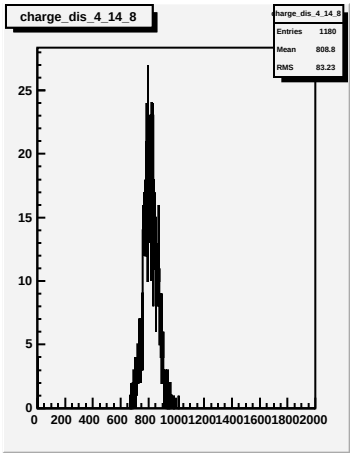
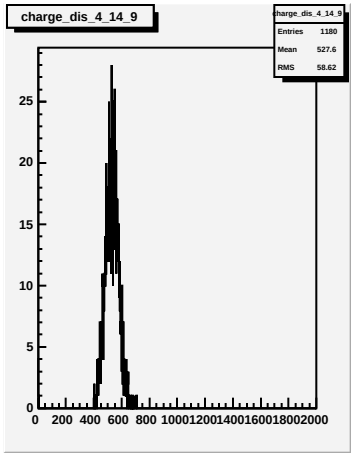
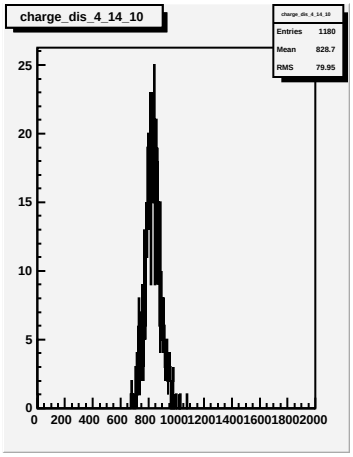
charge_dis_4_14_5
Entries 1180
Mean 610.3
RMS 67.89


charge_dis_4_14_6
charge_dis_4_14_6
Entries 1180
Mean 707.2
RMS 81.21


charge_dis_4_14_7
charge_dis_4_14_7
Entries 1180
Mean 506
RMS 52.62


charge_dis_4_14_8
charge_dis_4_14_8
Entries 1180
Mean 808.8
RMS 83.23


charge_dis_4_14_9
charge_dis_4_14_9
Entries 1180
Mean 527.6
RMS 58.62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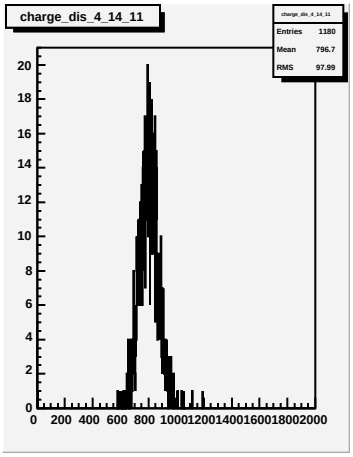
Entries 1180
Mean 828.7
RMS 79.95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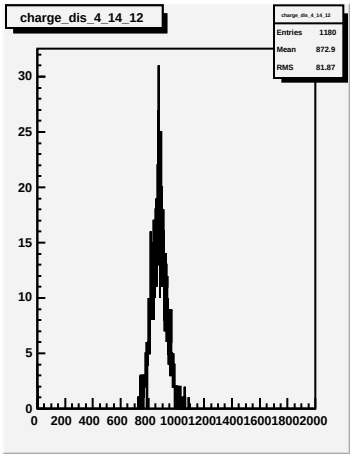
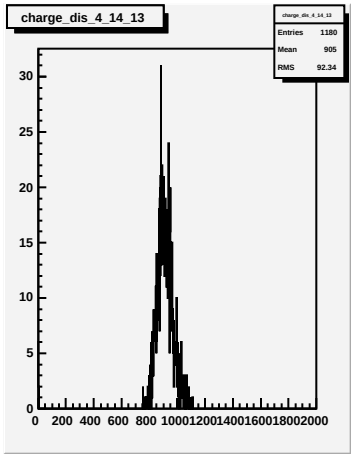
charge_dis_4_14_11
Entries 1180
Mean 796.7
RMS 97.99


charge_dis_4_14_12
charge_dis_4_14_12
Entries 1180
Mean 872.9
RMS 81.87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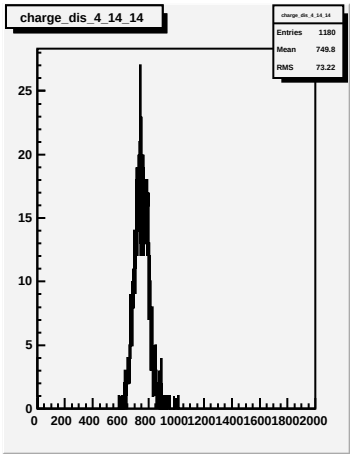
Entries 1180
Mean 905
RMS 92.34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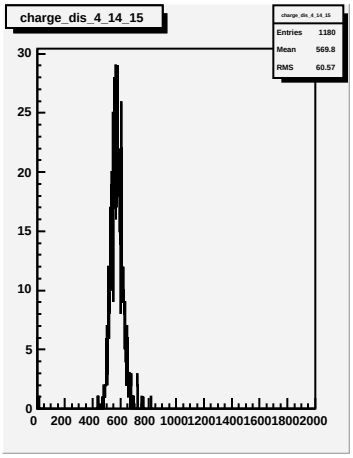
Entries 1180
Mean 749.8
RMS 73.22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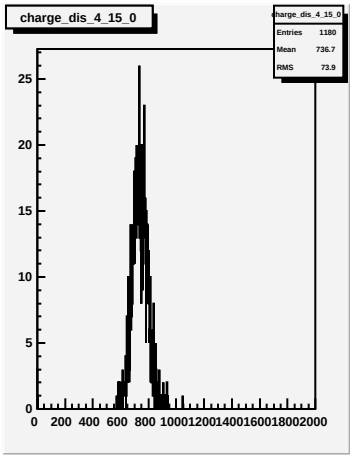
charge_dis_4_14_15
Entries 1180
Mean 569.8
RMS 60.57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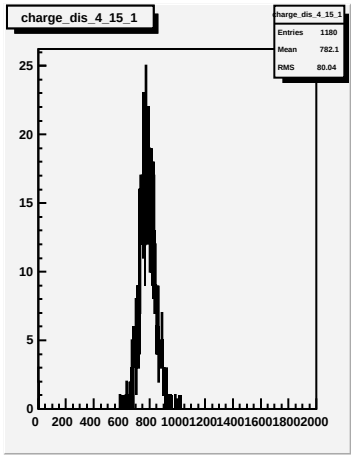
Mean 736.7
RMS 73.9


charge_dis_4_15_1
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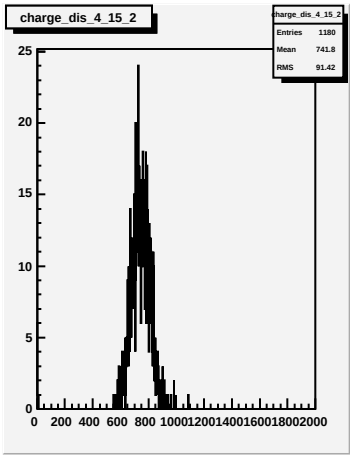
Entries 1180
Mean 782.1
RMS 80.04


charge_dis_4_15_2
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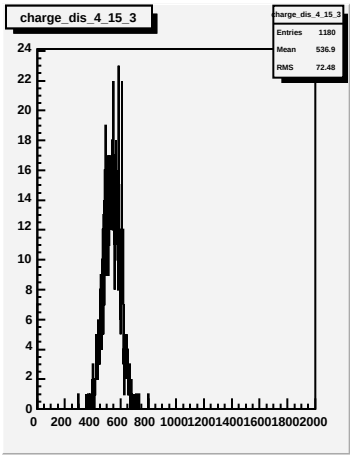
Entries 1180
Mean 741.8
RMS 91.42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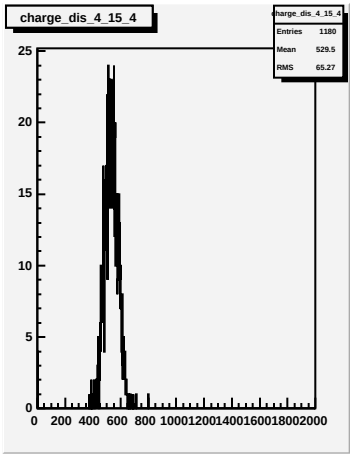
Entries 1180
Mean 536.9
RMS 72.48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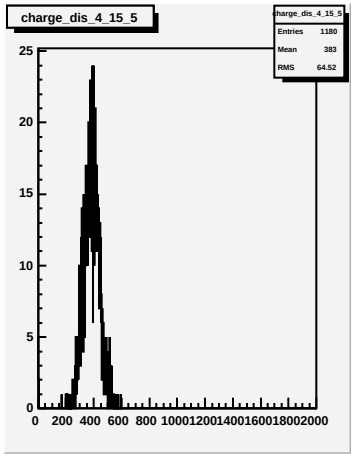
Mean 529.5
RMS 65.27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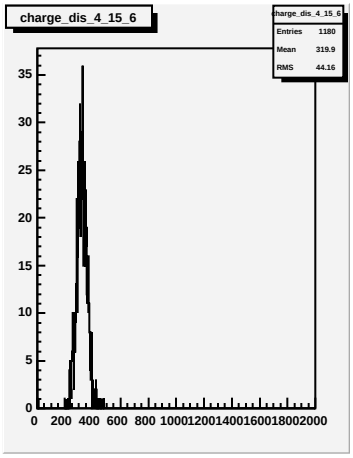
Mean 383
RMS 64.52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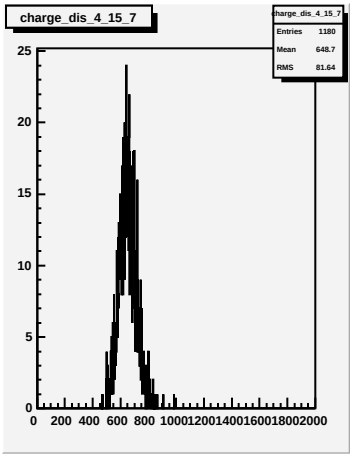
charge_dis_4_15_6
Entries 1180
Mean 319.9
RMS 44.16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charge_dis_4_15_7
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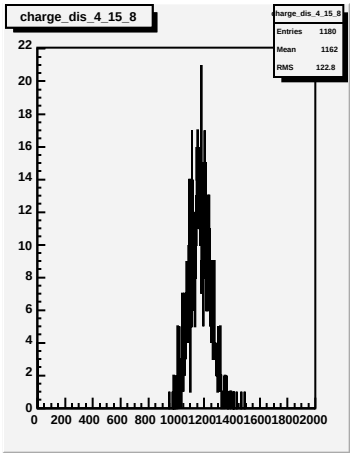
Mean 648.7
RMS 81.64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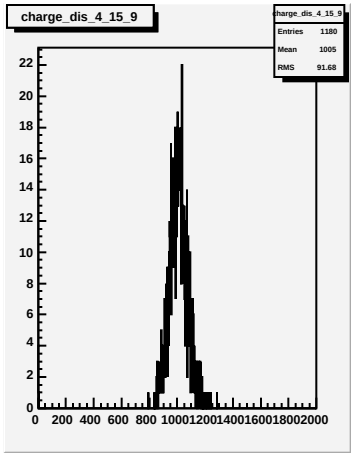
Entries 1180
Mean 1162
RMS 122.8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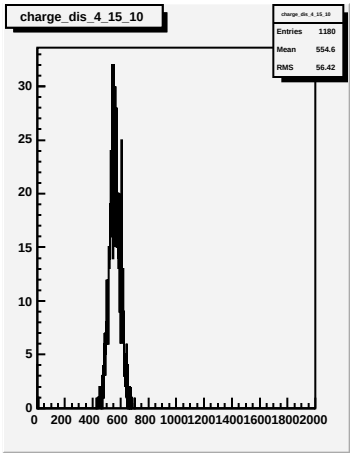
Entries 1180
Mean 1005
RMS 91.68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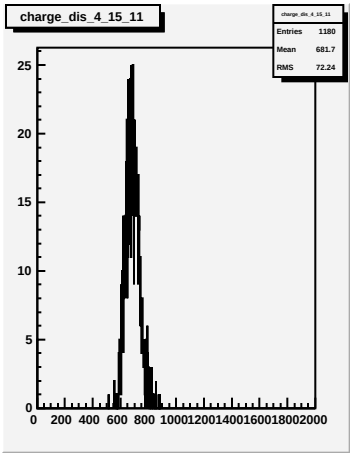
charge_dis_4_15_10
Entries 1180
Mean 554.6
RMS 56.42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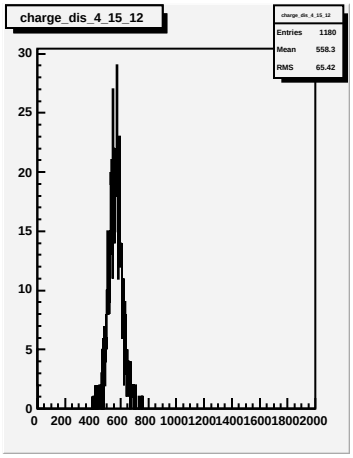
Mean 681.7
RMS 72.24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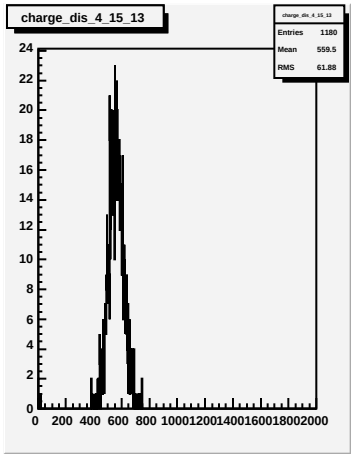
Entries 1180
Mean 558.3
RMS 65.42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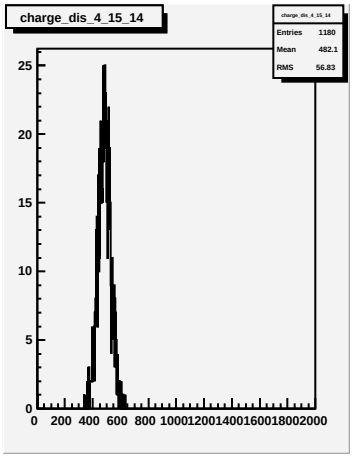
Entries 1180
Mean 559.5
RMS 61.88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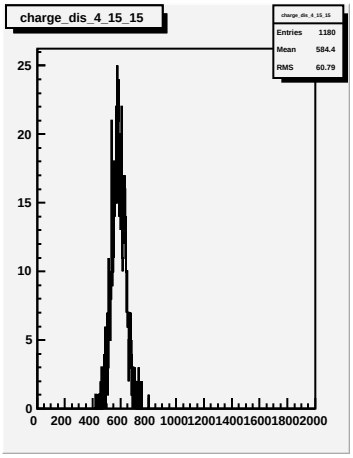
RMS 56.83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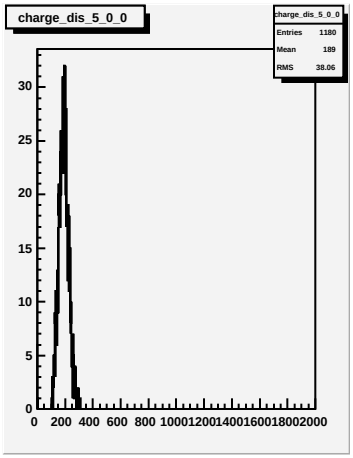
charge_dis_4_15_15
Entries 1180
Mean 584.4
RMS 60.79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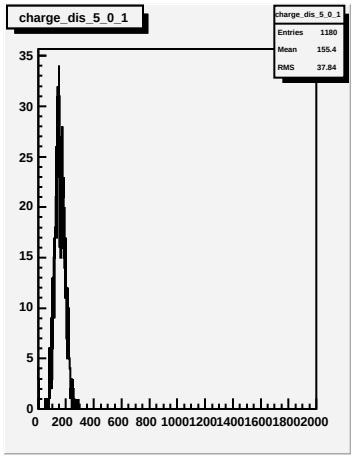
Entries 1180
Mean 189
RMS 38.06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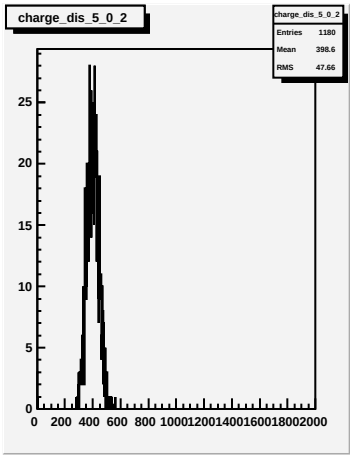
Entries 1180
Mean 155.4
RMS 37.84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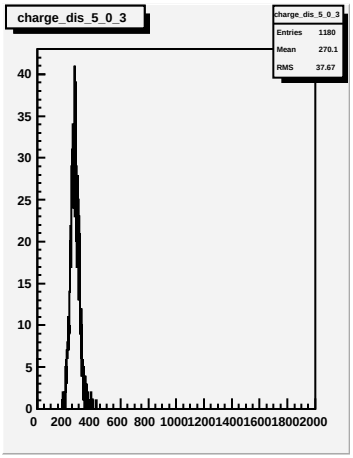
charge_dis_5_0_2
Entries 1180
Mean 398.6
RMS 47.66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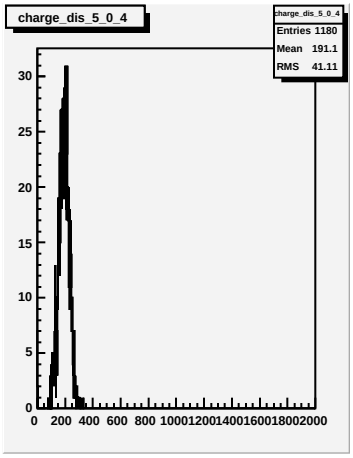
Entries 1180
Mean 270.1
RMS 37.67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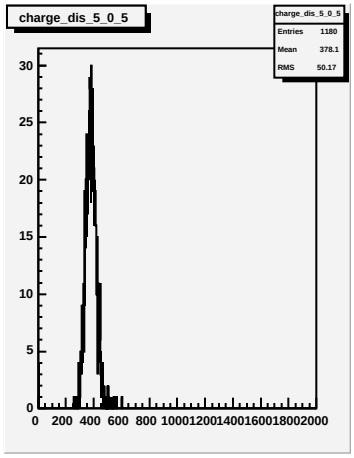
Entries 1180
Mean 191.1
RMS 41.11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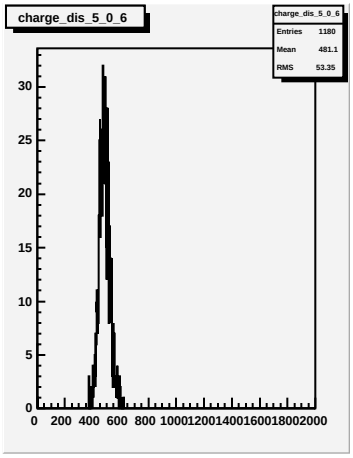
charge_dis_5_0_5
Entries 1180
Mean 378.1
RMS 50.17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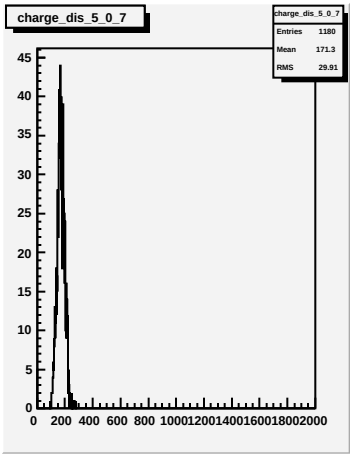
Entries 1180
Mean 481.1
RMS 53.35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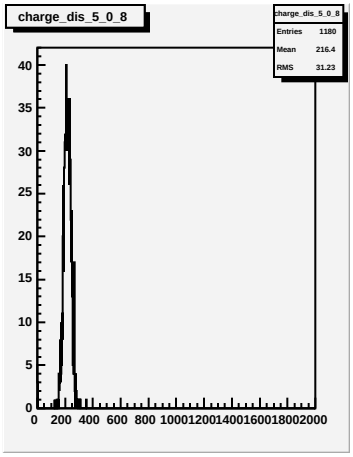
charge_dis_5_0_7
Entries 1180
Mean 171.3
RMS 29.91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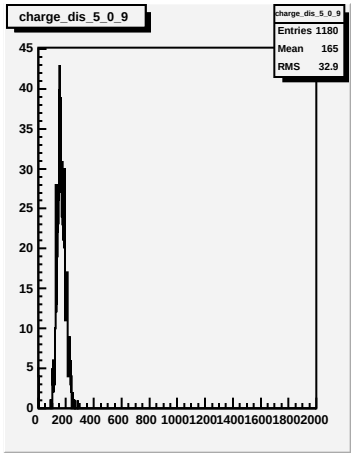
Entries 1180
Mean 216.4
RMS 31.23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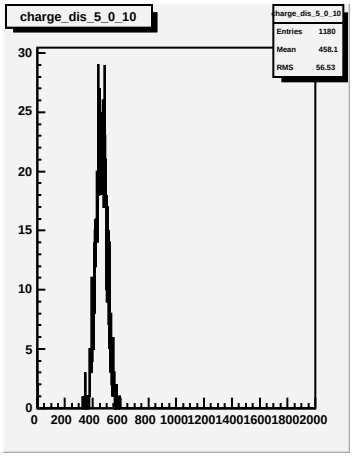
charge_dis_5_0_9
Entries 1180
Mean 165
RMS 32.9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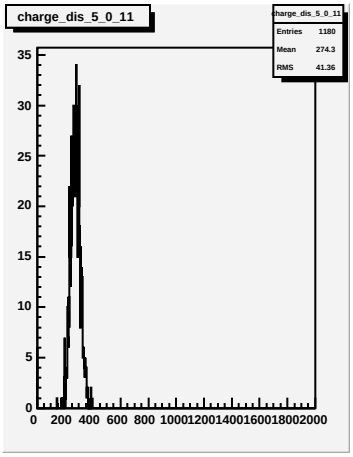
charge_dis_5_0_10
Entries 1180
Mean 458.1
RMS 56.53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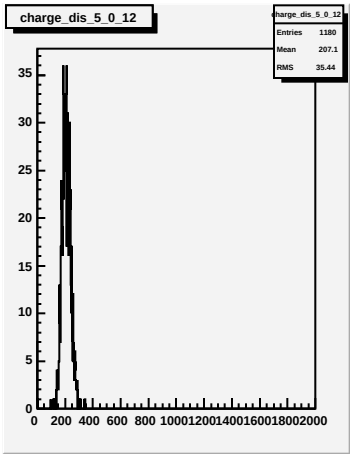
Entries 1180
Mean 274.3
RMS 41.36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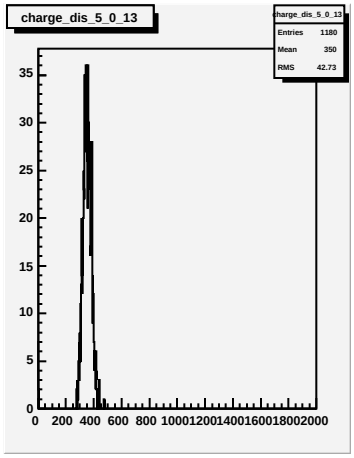
RMS 35.44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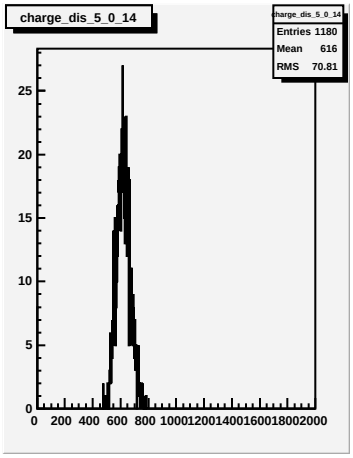
Entries 1180
Mean 350
RMS 42.73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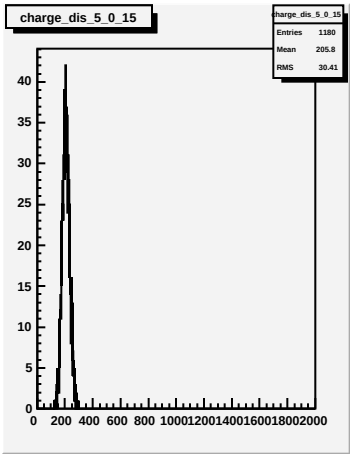
Entries 1180
Mean 616
RMS 70.81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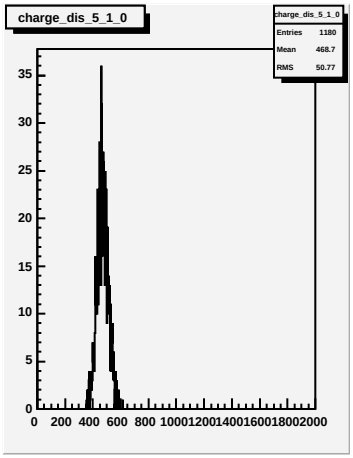
Entries 1180
Mean 205.8
RMS 30.41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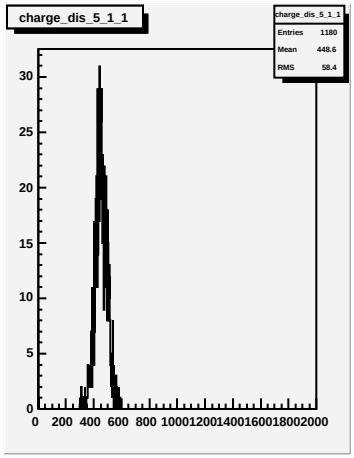
Mean 468.7
RMS 50.77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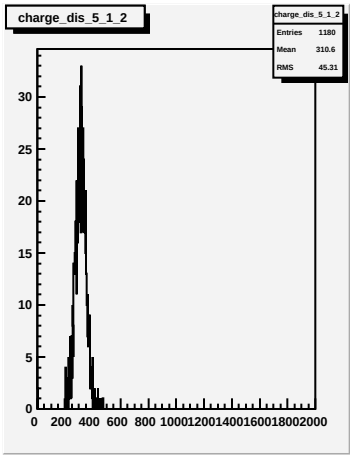
Mean 448.6
RMS 58.4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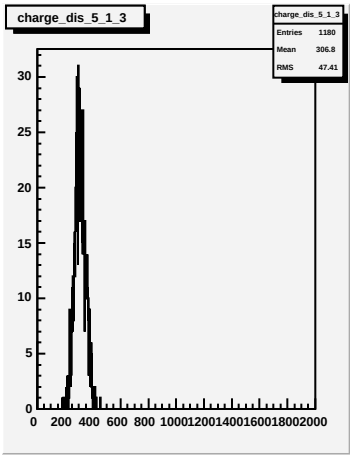
Entries 1180
Mean 310.6
RMS 45.31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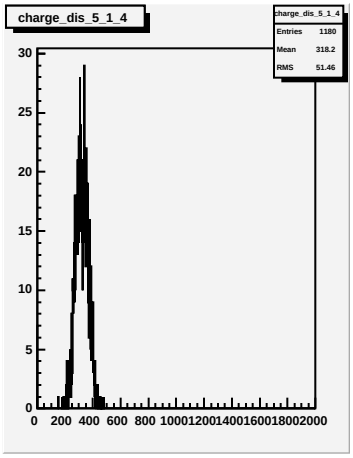
Entries 1180
Mean 306.8
RMS 47.41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Entries 1180
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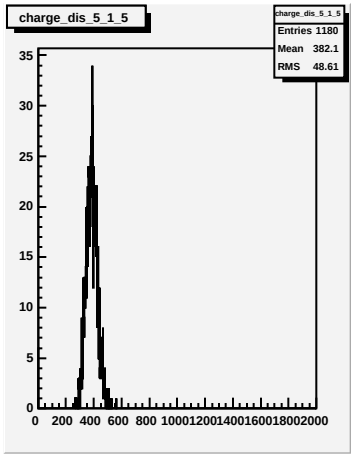
RMS 51.46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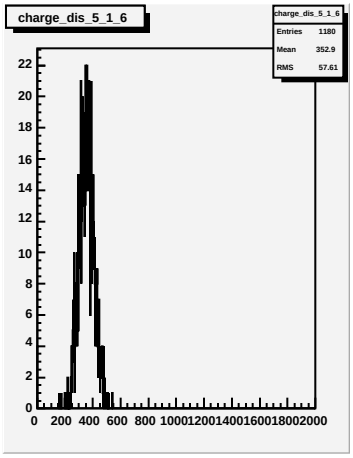
Mean 382.1
RMS 48.61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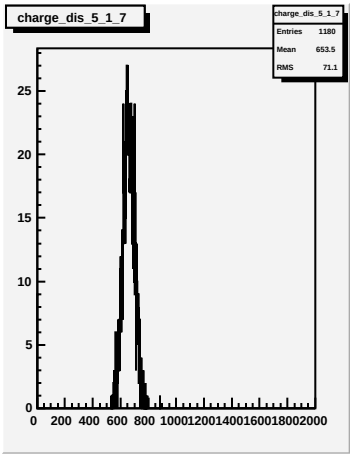
charge_dis_5_1_6
Entries 1180
Mean 352.9
RMS 57.61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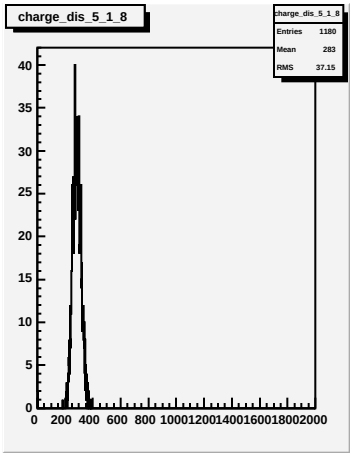
charge_dis_5_1_7
Entries 1180
Mean 653.5
RMS 71.1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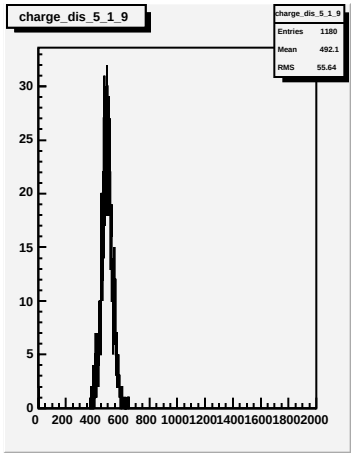
Entries 1180
Mean 283
RMS 37.15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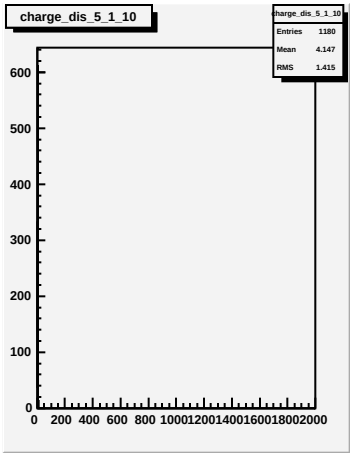
Entries 1180
Mean 492.1
RMS 55.64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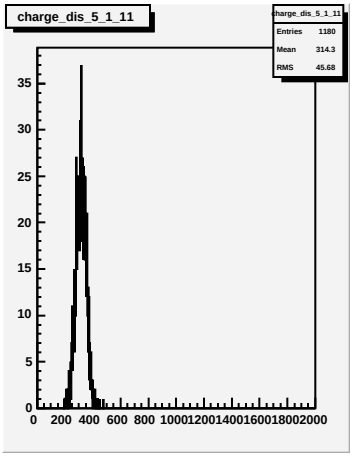
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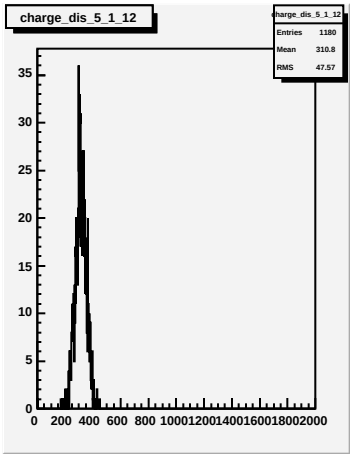
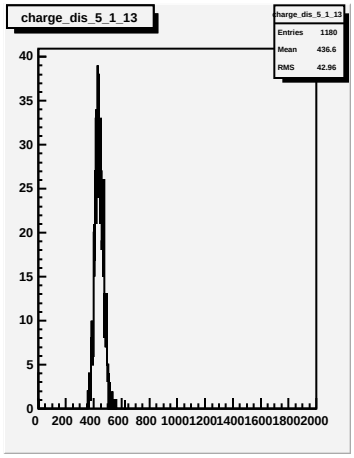
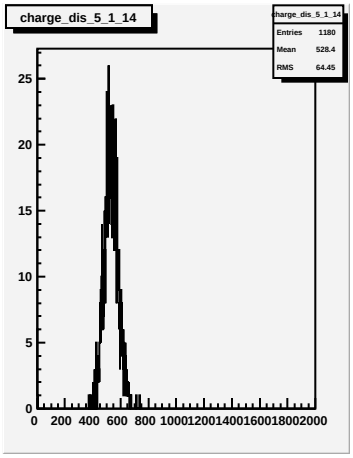
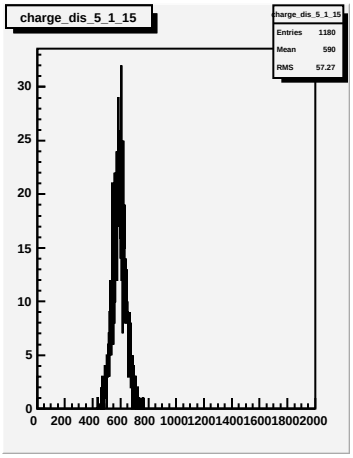
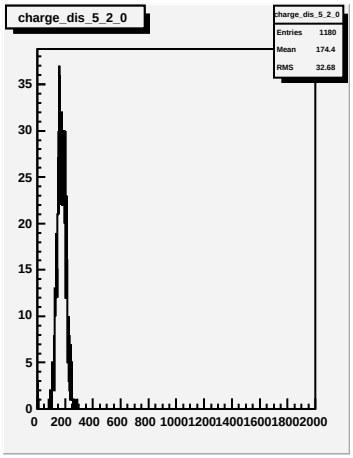
RMS 45.68

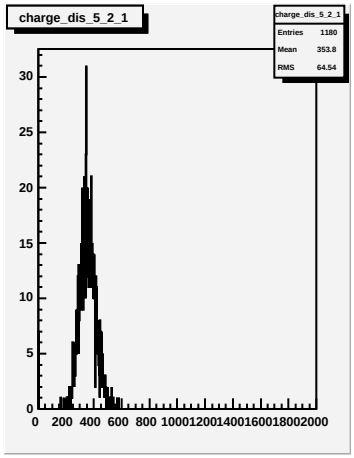

charge_dis_5_1_12
charge_dis_5_1_12
Entries 1180
Mean 310.8
RMS 47.57

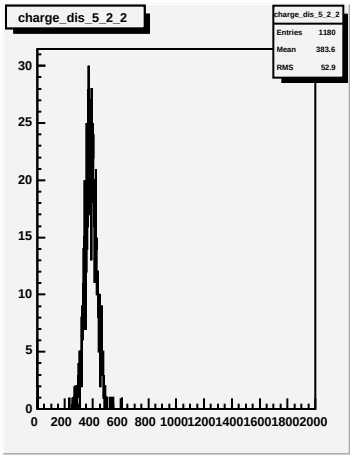

charge_dis_5_1_13
charge_dis_5_1_13
Entries 1180
Mean 436.6
RMS 42.96

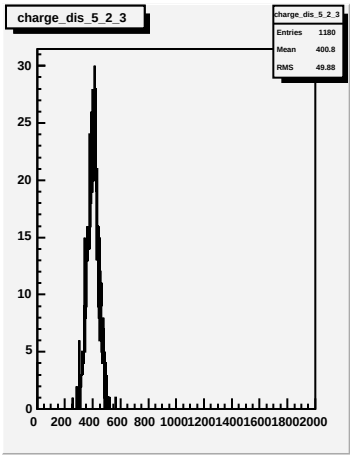

charge_dis_5_1_14
charge_dis_5_1_14
Entries 1180
Mean 528.4
RMS 64.45

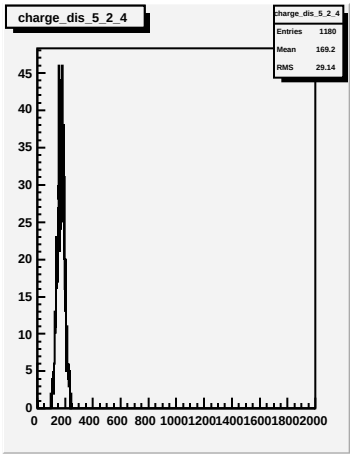

charge_dis_5_1_15
charge_dis_5_1_15
Entries 1180
Mean 590
RMS 57.27

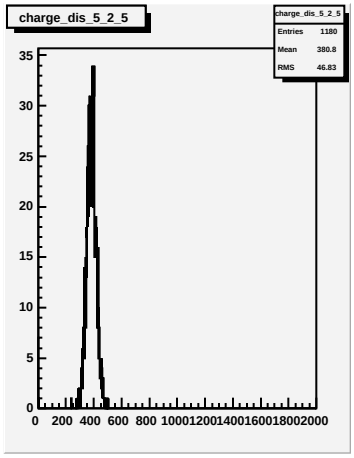

charge_dis_5_2_0
charge_dis_5_2_0
Entries 1180
Mean 174.4
RMS 32.68

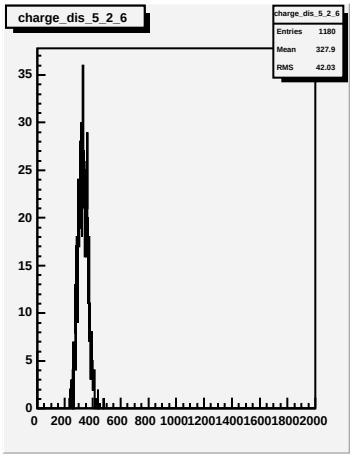

charge_dis_5_2_1
charge_dis_5_2_1
Entries 1180
Mean 353.8
RMS 64.54

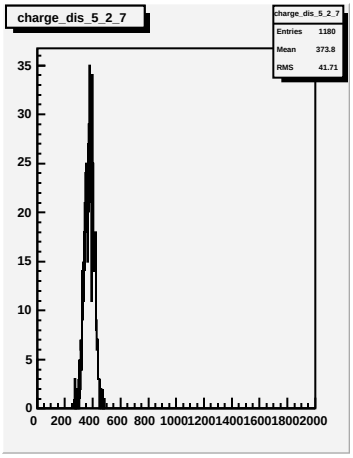

charge_dis_5_2_2
charge_dis_5_2_2
Entries 1180
Mean 383.6
RMS 52.9

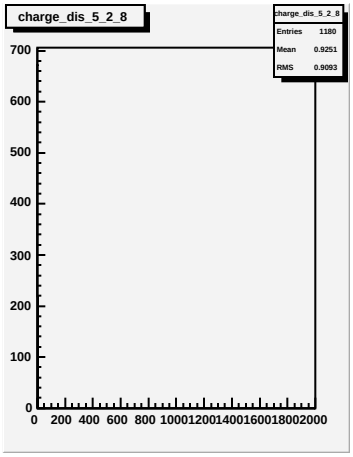

charge_dis_5_2_3
charge_dis_5_2_3
Entries 1180
Mean 400.8
RMS 49.88

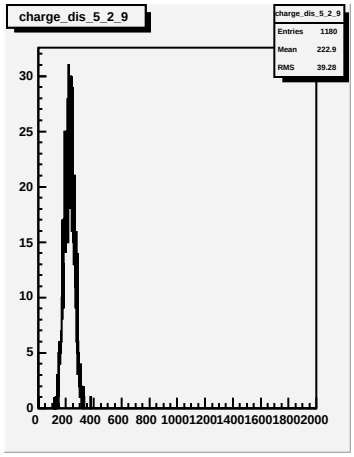

charge_dis_5_2_4
charge_dis_5_2_4
Entries 1180
Mean 169.2
RMS 29.14

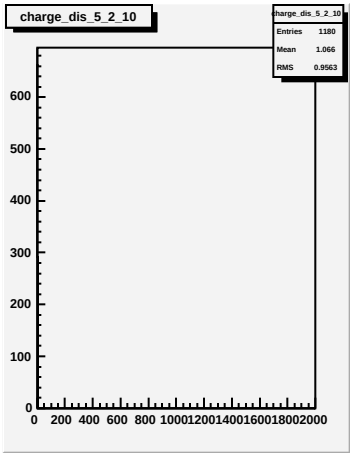

charge_dis_5_2_5
charge_dis_5_2_5
Entries 1180
Mean 380.8
RMS 46.83

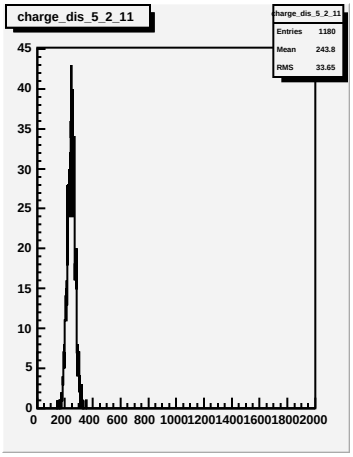

charge_dis_5_2_6
charge_dis_5_2_6
Entries 1180
Mean 327.9
RMS 42.03

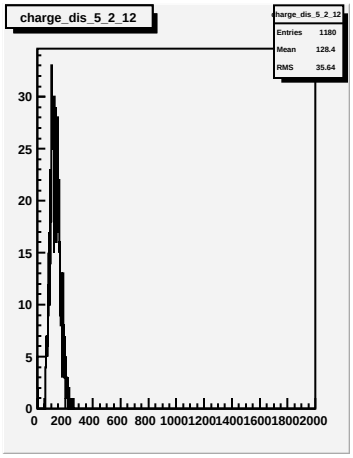

charge_dis_5_2_7
charge_dis_5_2_7
Entries 1180
Mean 373.8
RMS 41.71

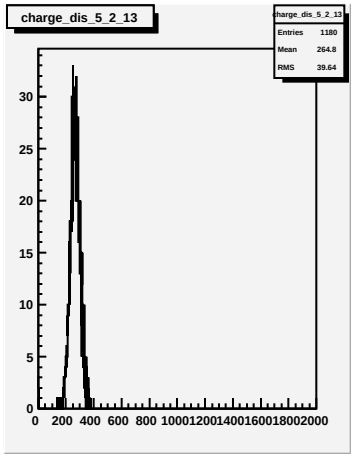

charge_dis_5_2_8
charge_dis_5_2_8
Entries 1180
Mean 0.9251
RMS 0.9093

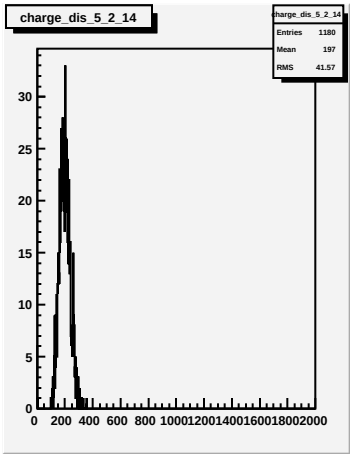

charge_dis_5_2_9
charge_dis_5_2_9
Entries 1180
Mean 222.9
RMS 39.28

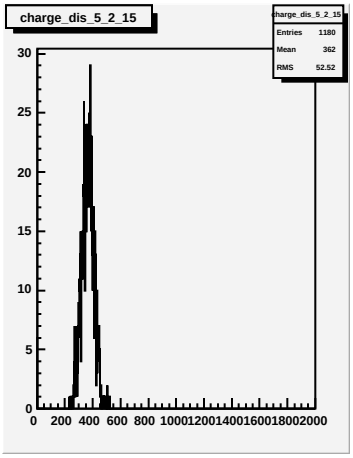

charge_dis_5_2_10
charge_dis_5_2_10
Entries 1180
Mean 1.066
RMS 0.9563

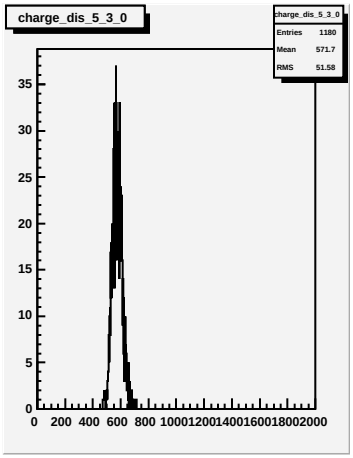

charge_dis_5_2_11
charge_dis_5_2_11
Entries 1180
Mean 243.8
RMS 33.65

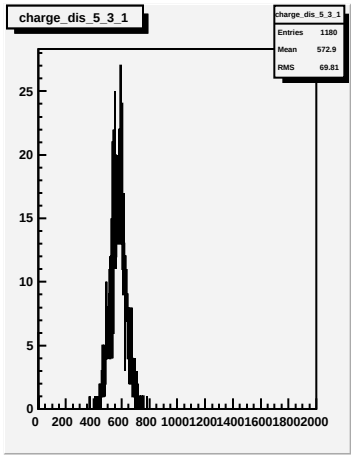

charge_dis_5_2_12
charge_dis_5_2_12
Entries 1180
Mean 128.4
RMS 35.64


charge_dis_5_2_13
charge_dis_5_2_13
Entries 1180
Mean 264.8
RMS 39.64


charge_dis_5_2_14
charge_dis_5_2_14
Entries 1180
Mean 197
RMS 41.57


charge_dis_5_2_15
charge_dis_5_2_15
Entries 1180
Mean 362
RMS 52.52


charge_dis_5_3_0
charge_dis_5_3_0
Entries 1180
Mean 571.7
RMS 51.58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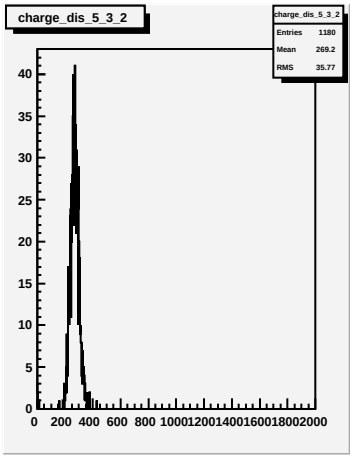
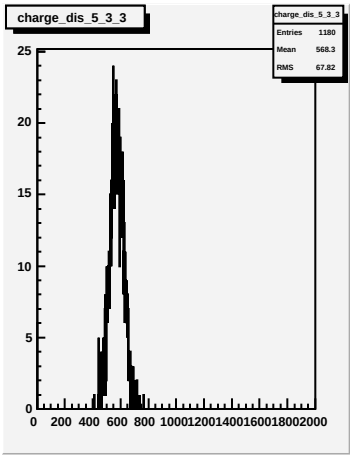
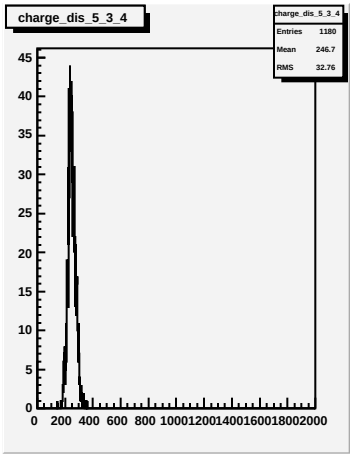
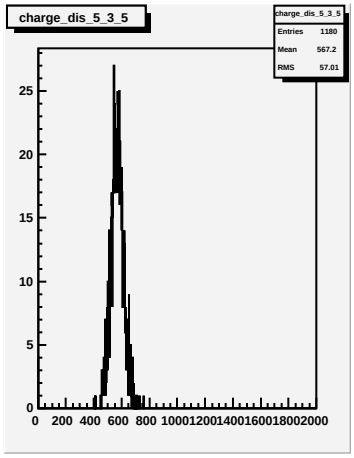
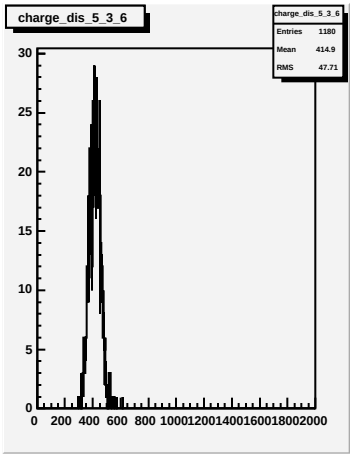
charge_dis_5_3_1
Entries 1180
Mean 572.9
RMS 69.81

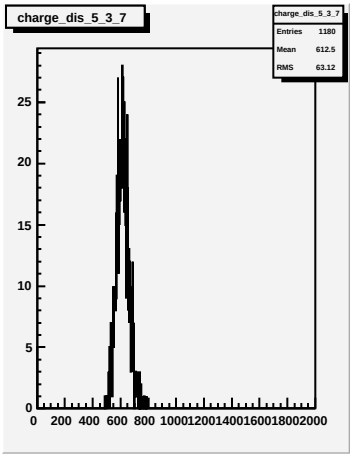

charge_dis_5_3_2
charge_dis_5_3_2
Entries 1180
Mean 269.2
RMS 35.77

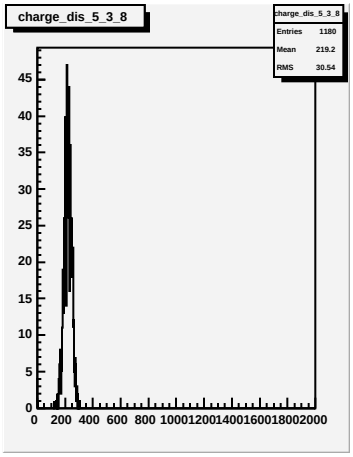

charge_dis_5_3_3
charge_dis_5_3_3
Entries 1180
Mean 568.3
RMS 67.82

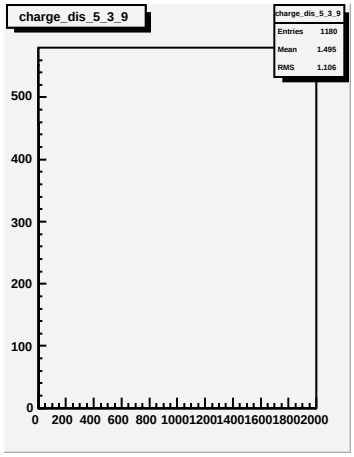

charge_dis_5_3_4
charge_dis_5_3_4
Entries 1180
Mean 246.7
RMS 32.76

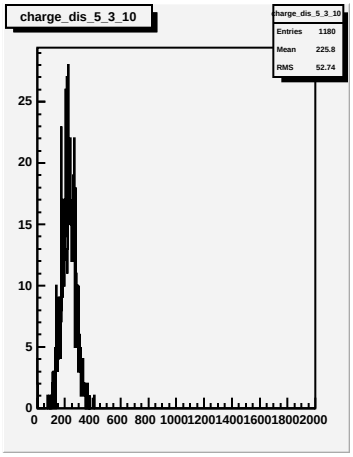

charge_dis_5_3_5
charge_dis_5_3_5
Entries 1180
Mean 567.2
RMS 57.01

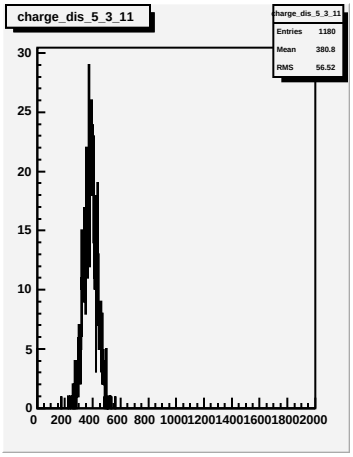

charge_dis_5_3_6
charge_dis_5_3_6
Entries 1180
Mean 414.9
RMS 47.71

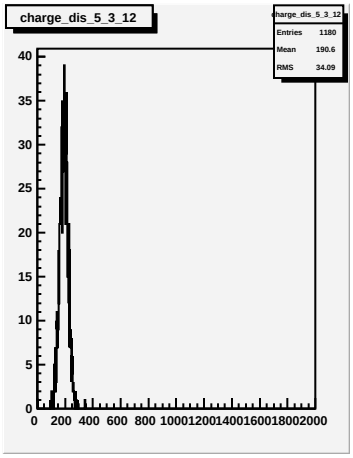

charge_dis_5_3_7
charge_dis_5_3_7
Entries 1180
Mean 612.5
RMS 63.12

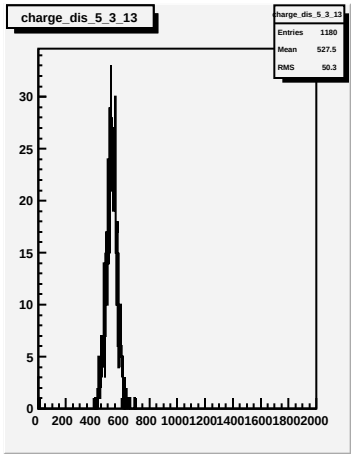

charge_dis_5_3_8
charge_dis_5_3_8
Entries 1180
Mean 219.2
RMS 30.54

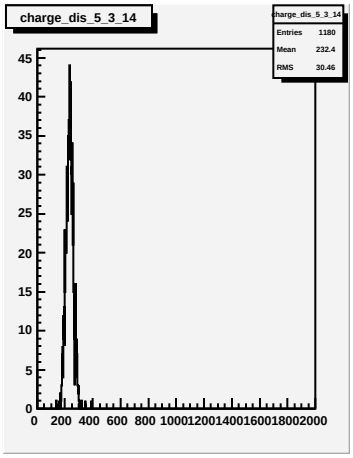

charge_dis_5_3_9
charge_dis_5_3_9
Entries 1180
Mean 1.495
RMS 1.106

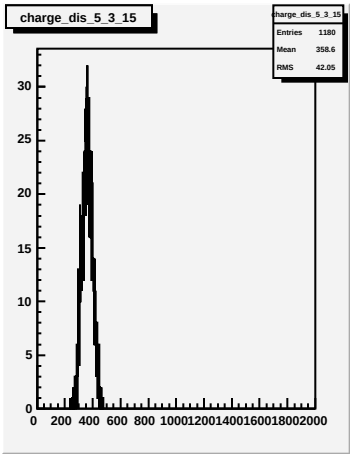

charge_dis_5_3_10
charge_dis_5_3_10
Entries 1180
Mean 225.8
RMS 52.74

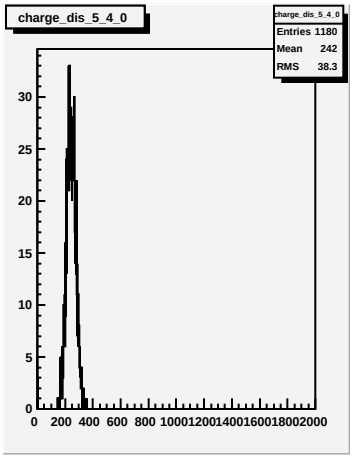

charge_dis_5_3_11
charge_dis_5_3_11
Entries 1180
Mean 380.8
RMS 56.52

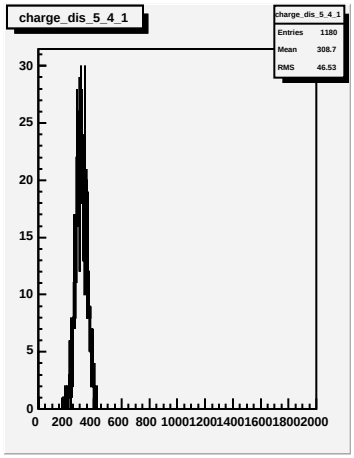

charge_dis_5_3_12
charge_dis_5_3_12
Entries 1180
Mean 190.6
RMS 34.09

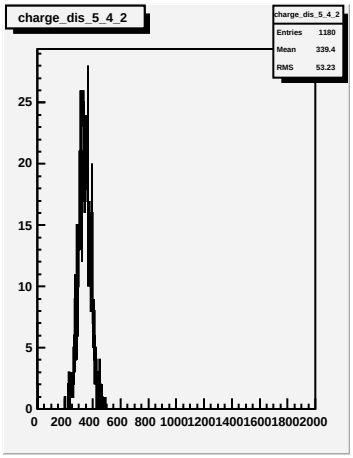

charge_dis_5_3_13
charge_dis_5_3_13
Entries 1180
Mean 527.5
RMS 50.3

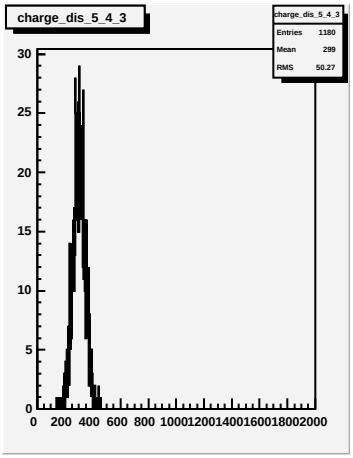

charge_dis_5_3_14
charge_dis_5_3_14
Entries 1180
Mean 232.4
RMS 30.46

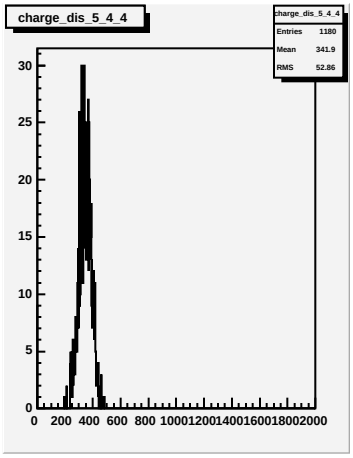

charge_dis_5_3_15
charge_dis_5_3_15
Entries 1180
Mean 358.6
RMS 42.05

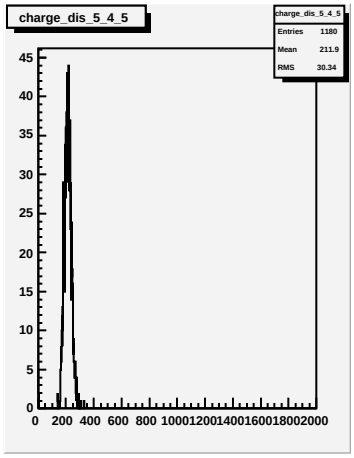

charge_dis_5_4_0
charge_dis_5_4_0
Entries 1180
Mean 242
RMS 38.3


charge_dis_5_4_1
charge_dis_5_4_1
Entries 1180
Mean 308.7
RMS 46.53


charge_dis_5_4_2
charge_dis_5_4_2
Entries 1180
Mean 339.4
RMS 53.23


charge_dis_5_4_3
charge_dis_5_4_3
Entries 1180
Mean 299
RMS 50.27


charge_dis_5_4_4
charge_dis_5_4_4
Entries 1180
Mean 341.9
RMS 52.86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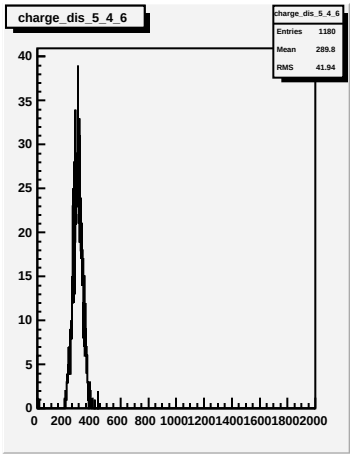
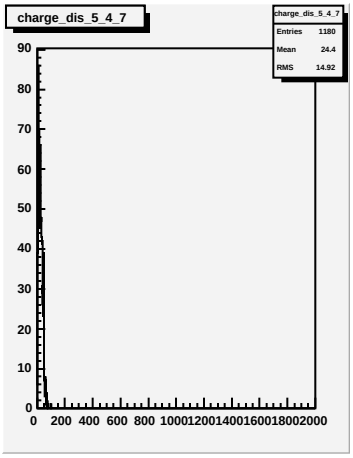
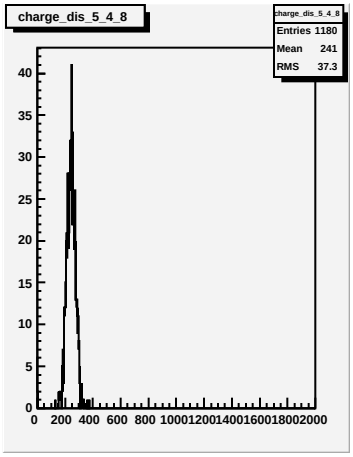
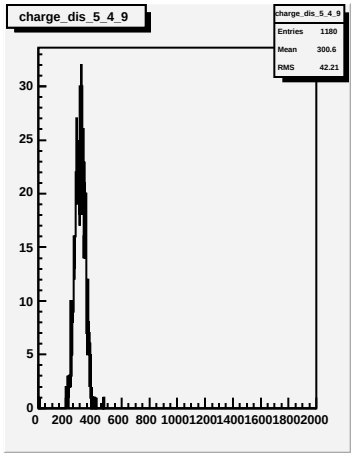
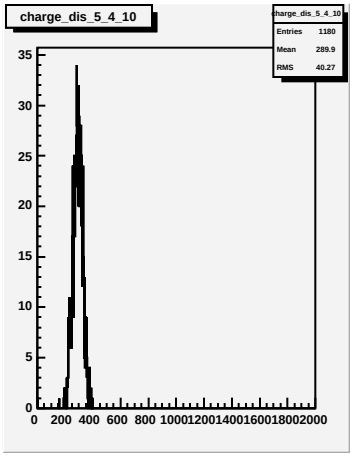
charge_dis_5_4_5
Entries 1180
Mean 211.9
RMS 30.34

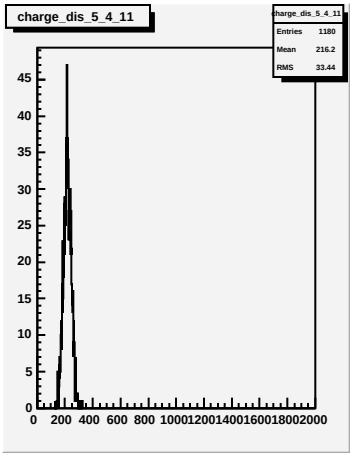

charge_dis_5_4_6
charge_dis_5_4_6
Entries 1180
Mean 289.8
RMS 41.94

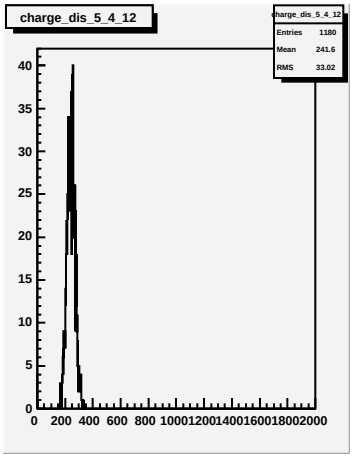

charge_dis_5_4_7
charge_dis_5_4_7
Entries 1180
Mean 24.4
RMS 14.92

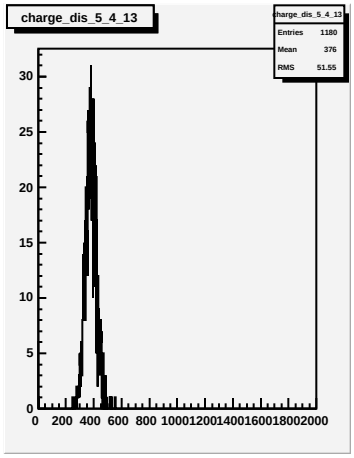

charge_dis_5_4_8
charge_dis_5_4_8
Entries 1180
Mean 241
RMS 37.3

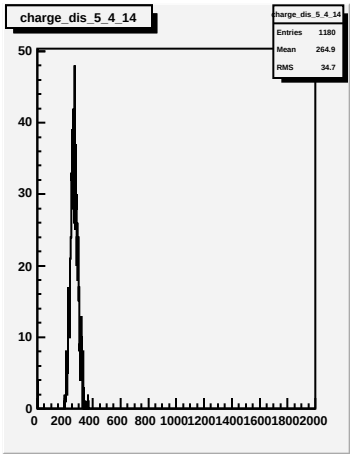

charge_dis_5_4_9
charge_dis_5_4_9
Entries 1180
Mean 300.6
RMS 42.21

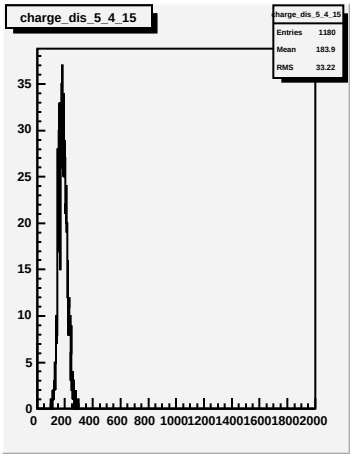

charge_dis_5_4_10
charge_dis_5_4_10
Entries 1180
Mean 289.9
RMS 40.27

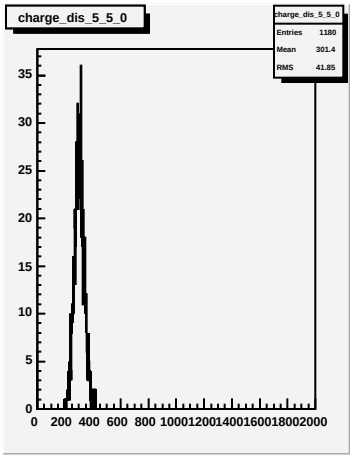

charge_dis_5_4_11
charge_dis_5_4_11
Entries 1180
Mean 216.2
RMS 33.44

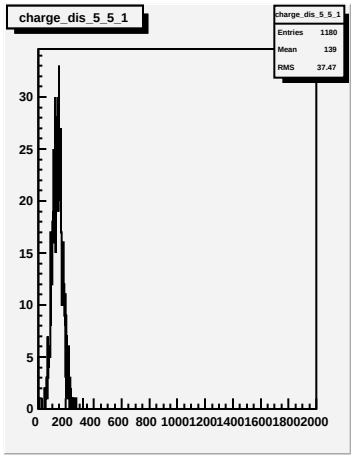

charge_dis_5_4_12
charge_dis_5_4_12
Entries 1180
Mean 241.6
RMS 33.02

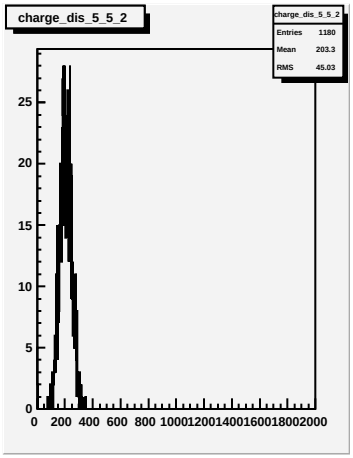

charge_dis_5_4_13
charge_dis_5_4_13
Entries 1180
Mean 376
RMS 51.55

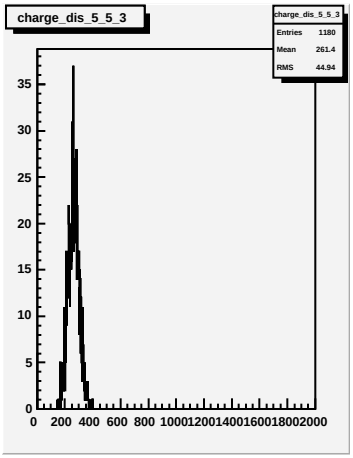

charge_dis_5_4_14
charge_dis_5_4_14
Entries 1180
Mean 264.9
RMS 34.7

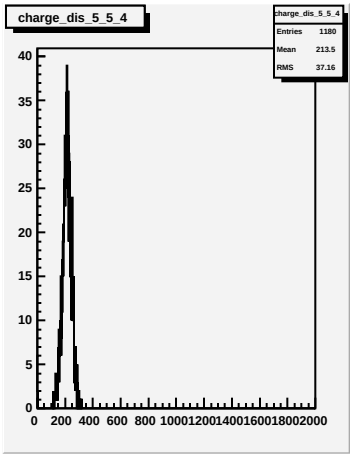

charge_dis_5_4_15
charge_dis_5_4_15
Entries 1180
Mean 183.9
RMS 33.22

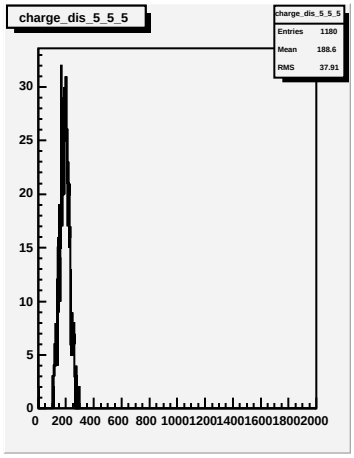

charge_dis_5_5_0
charge_dis_5_5_0
Entries 1180
Mean 301.4
RMS 41.85

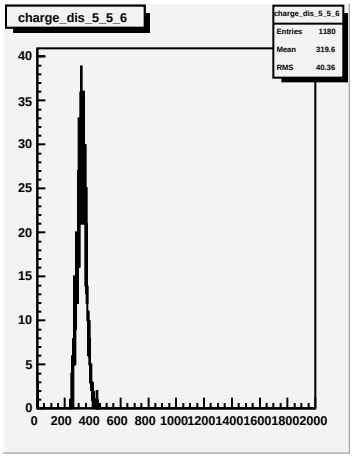

charge_dis_5_5_1
charge_dis_5_5_1
Entries 1180
Mean 139
RMS 37.47

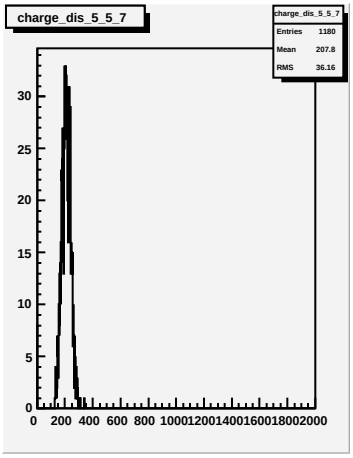

charge_dis_5_5_2
charge_dis_5_5_2
Entries 1180
Mean 203.3
RMS 45.03

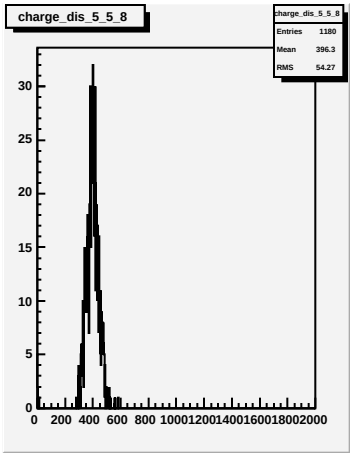

charge_dis_5_5_3
charge_dis_5_5_3
Entries 1180
Mean 261.4
RMS 44.94

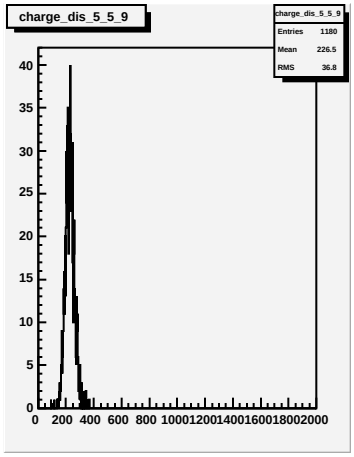

charge_dis_5_5_4
charge_dis_5_5_4
Entries 1180
Mean 213.5
RMS 37.16

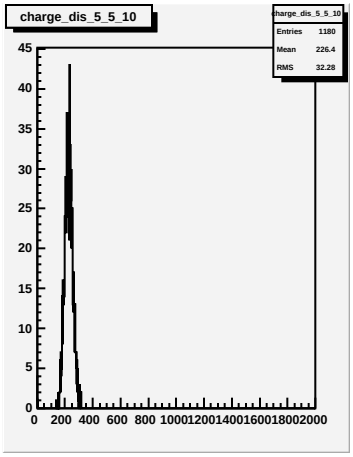

charge_dis_5_5_5
charge_dis_5_5_5
Entries 1180
Mean 188.6
RMS 37.91

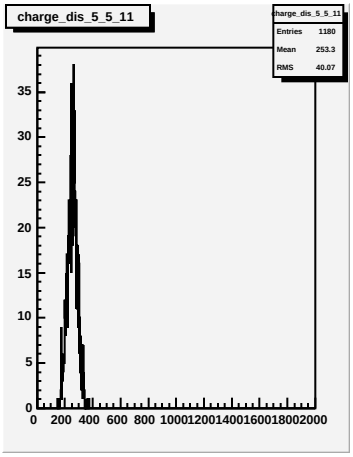

charge_dis_5_5_6
charge_dis_5_5_6
Entries 1180
Mean 319.6
RMS 40.36

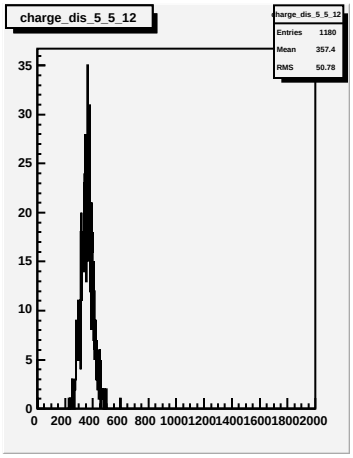

charge_dis_5_5_7
charge_dis_5_5_7
Entries 1180
Mean 207.8
RMS 36.16

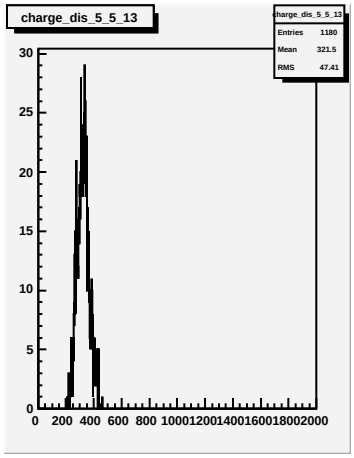

charge_dis_5_5_8
charge_dis_5_5_8
Entries 1180
Mean 396.3
RMS 54.27

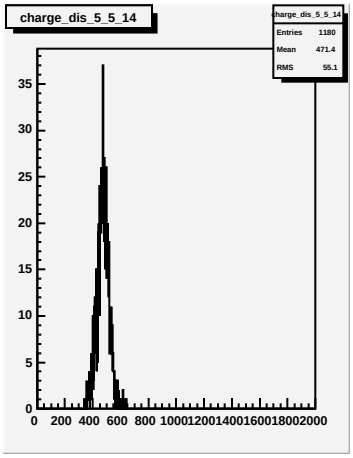

charge_dis_5_5_9
charge_dis_5_5_9
Entries 1180
Mean 226.5
RMS 36.8


charge_dis_5_5_10
charge_dis_5_5_10
Entries 1180
Mean 226.4
RMS 32.28


charge_dis_5_5_11
charge_dis_5_5_11
Entries 1180
Mean 253.3
RMS 40.07


charge_dis_5_5_12
charge_dis_5_5_12
Entries 1180
Mean 357.4
RMS 50.78


charge_dis_5_5_13
charge_dis_5_5_13
Entries 1180
Mean 321.5
RMS 47.41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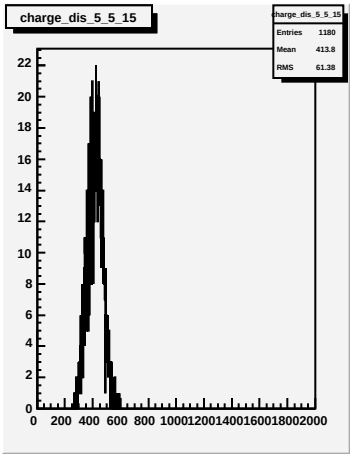
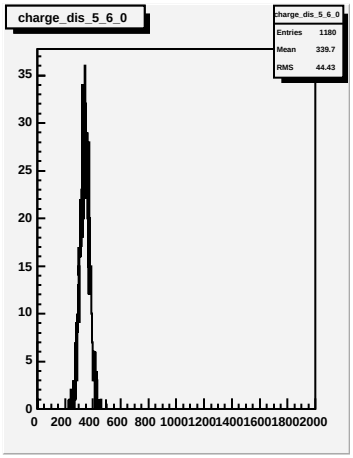
charge_dis_5_5_14
Entries 1180
Mean 471.4
RMS 55.1


charge_dis_5_5_15
charge_dis_5_5_15
Entries 1180
Mean 413.8
RMS 61.38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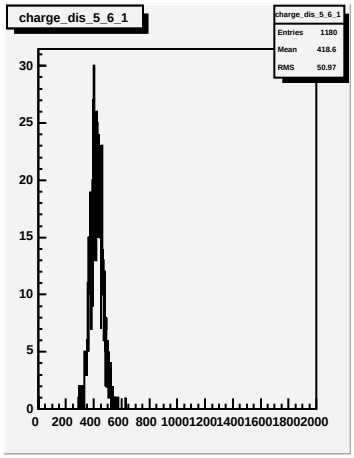
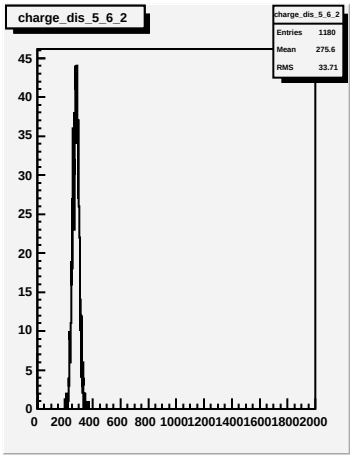
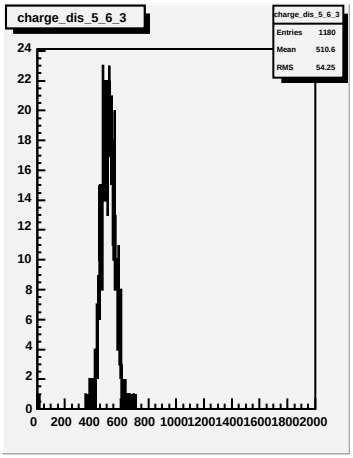
charge_dis_5_6_0
Entries 1180
Mean 339.7
RMS 44.43


charge_dis_5_6_1
charge_dis_5_6_1
Entries 1180
Mean 418.6
RMS 50.97


charge_dis_5_6_2
charge_dis_5_6_2
Entries 1180
Mean 275.6
RMS 33.71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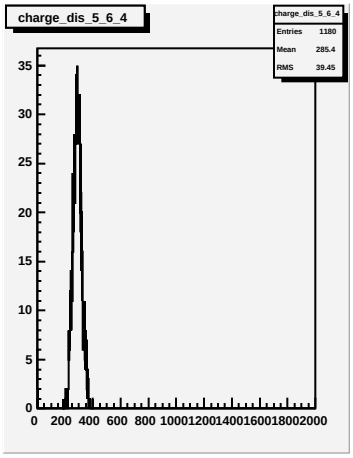
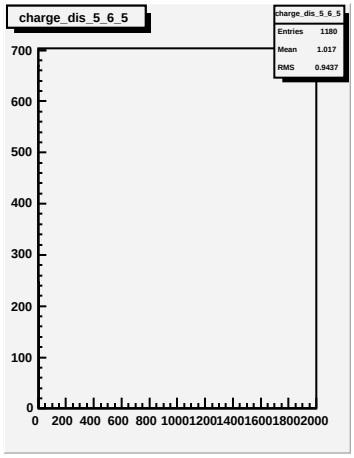
charge_dis_5_6_3
Entries 1180
Mean 510.6
RMS 54.25


charge_dis_5_6_4
charge_dis_5_6_4
Entries 1180
Mean 285.4
RMS 39.45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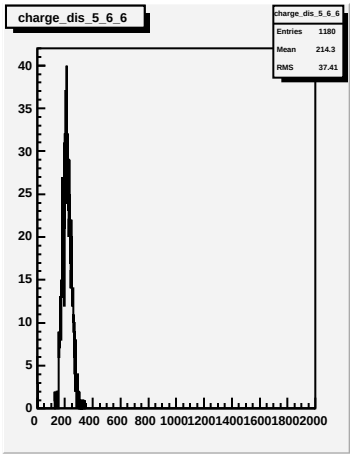
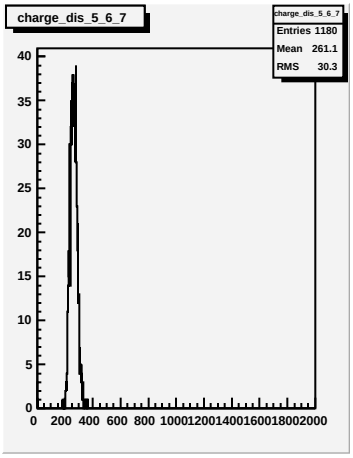
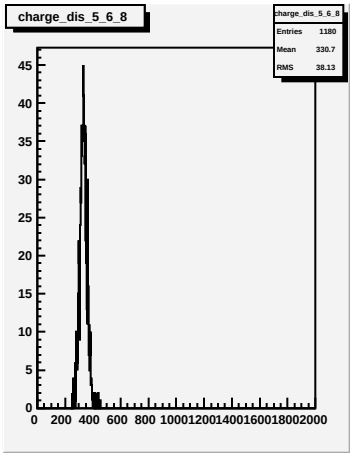
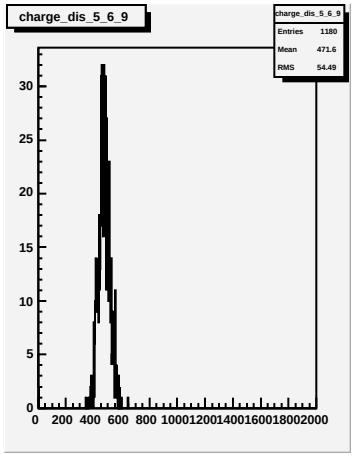
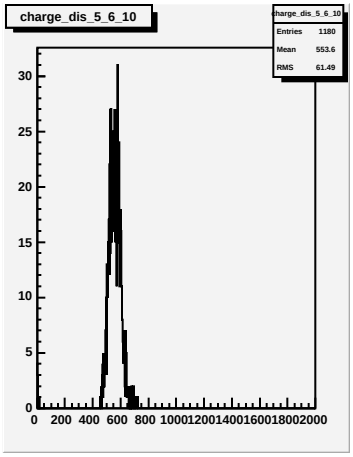
charge_dis_5_6_5
Entries 1180
Mean 1.017
RMS 0.9437

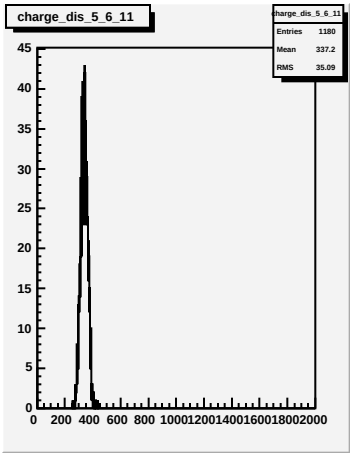

charge_dis_5_6_6
charge_dis_5_6_6
Entries 1180
Mean 214.3
RMS 37.41

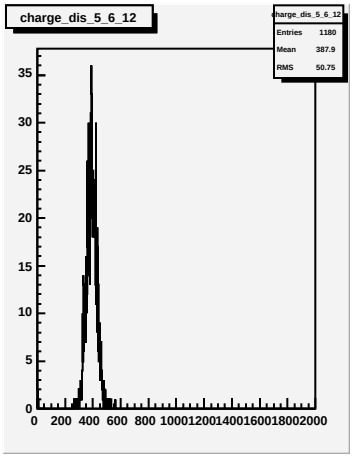

charge_dis_5_6_7
charge_dis_5_6_7
Entries 1180
Mean 261.1
RMS 30.3

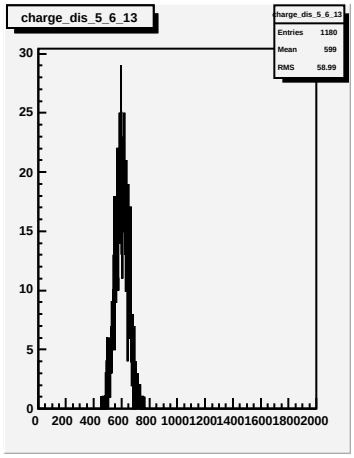

charge_dis_5_6_8
charge_dis_5_6_8
Entries 1180
Mean 330.7
RMS 38.13


charge_dis_5_6_9
charge_dis_5_6_9
Entries 1180
Mean 471.6
RMS 54.49


charge_dis_5_6_10
charge_dis_5_6_10
Entries 1180
Mean 553.6
RMS 61.49


charge_dis_5_6_11
charge_dis_5_6_11
Entries 1180
Mean 337.2
RMS 35.09


charge_dis_5_6_12
charge_dis_5_6_12
Entries 1180
Mean 387.9
RMS 50.75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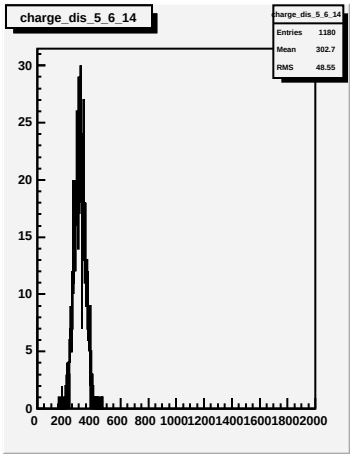
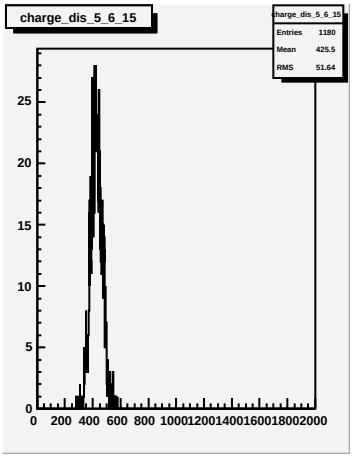
charge_dis_5_6_13
Entries 1180
Mean 599
RMS 58.99


charge_dis_5_6_14
charge_dis_5_6_14
Entries 1180
Mean 302.7
RMS 48.55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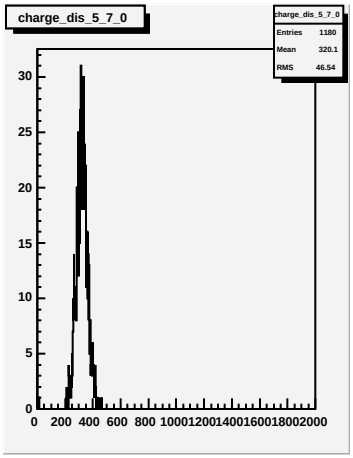
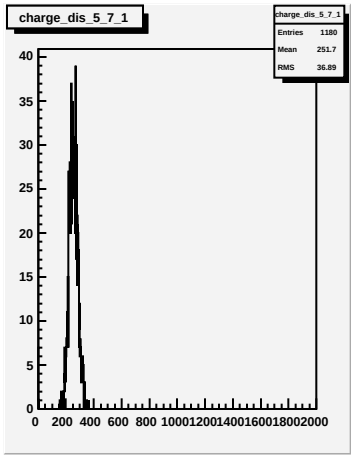
charge_dis_5_6_15
Entries 1180
Mean 425.5
RMS 51.64


charge_dis_5_7_0
charge_dis_5_7_0
Entries 1180
Mean 320.1
RMS 46.54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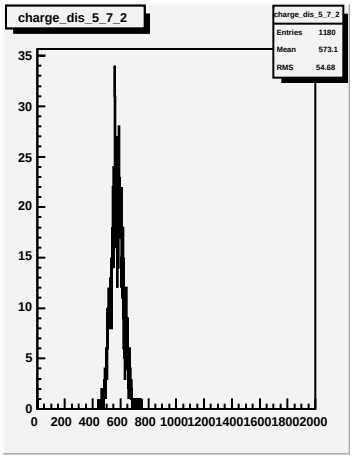
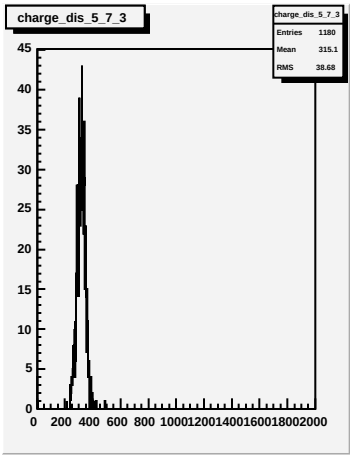
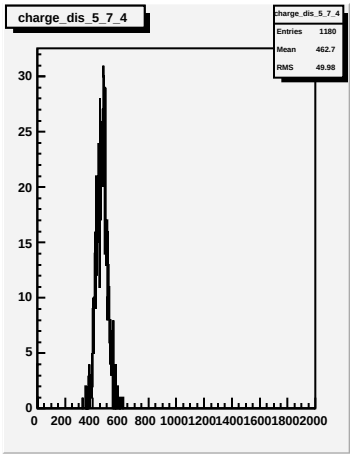
charge_dis_5_7_1
Entries 1180
Mean 251.7
RMS 36.89


charge_dis_5_7_2
charge_dis_5_7_2
Entries 1180
Mean 573.1
RMS 54.68


charge_dis_5_7_3
charge_dis_5_7_3
Entries 1180
Mean 315.1
RMS 38.68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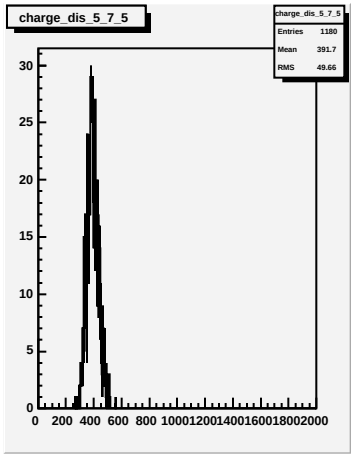
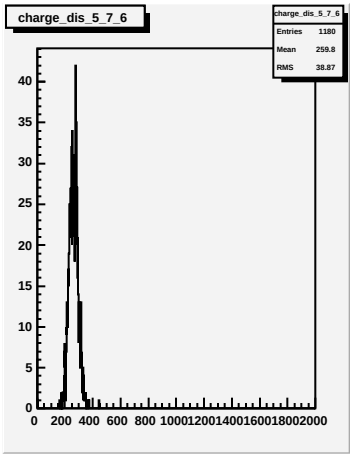
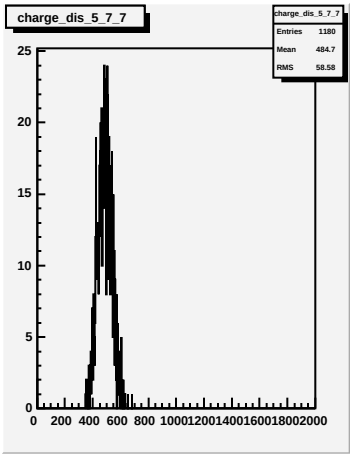
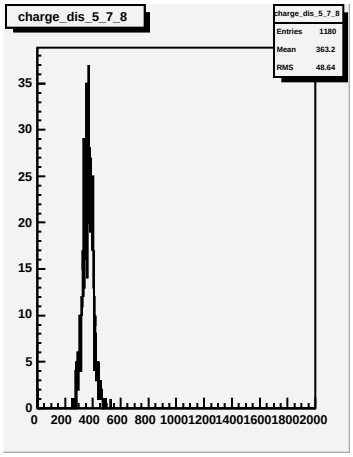
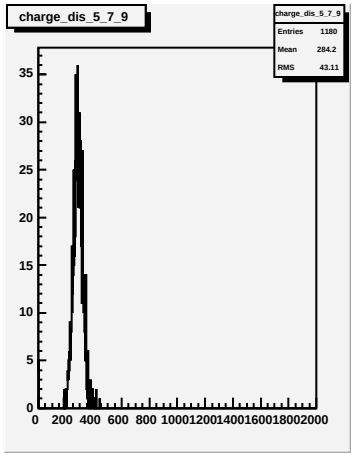
charge_dis_5_7_4
Entries 1180
Mean 462.7
RMS 49.98

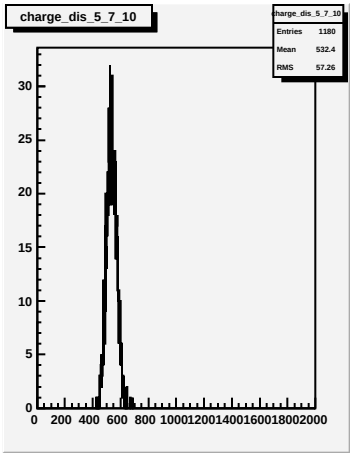

charge_dis_5_7_5
charge_dis_5_7_5
Entries 1180
Mean 391.7
RMS 49.66


charge_dis_5_7_6
charge_dis_5_7_6
Entries 1180
Mean 259.8
RMS 38.87


charge_dis_5_7_7
charge_dis_5_7_7
Entries 1180
Mean 484.7
RMS 58.58


charge_dis_5_7_8
charge_dis_5_7_8
Entries 1180
Mean 363.2
RMS 48.64


charge_dis_5_7_9
charge_dis_5_7_9
Entries 1180
Mean 284.2
RMS 43.11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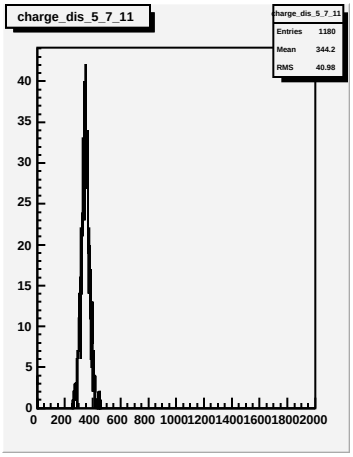
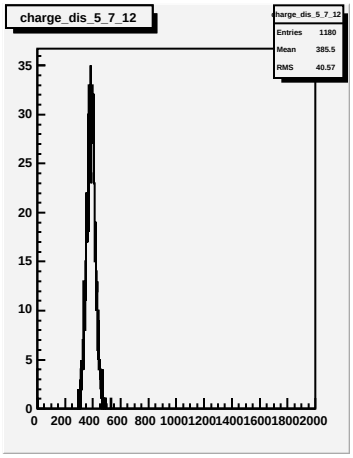
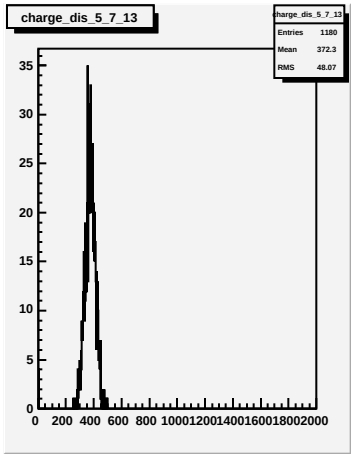
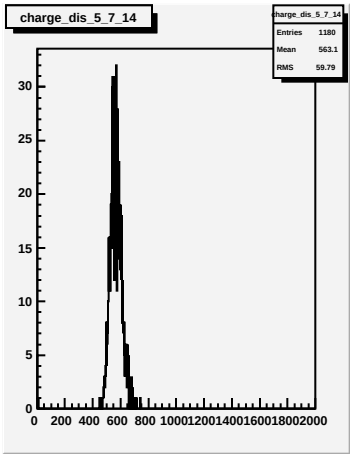
charge_dis_5_7_10
Entries 1180
Mean 532.4
RMS 57.26


charge_dis_5_7_11
charge_dis_5_7_11
Entries 1180
Mean 344.2
RMS 40.98


charge_dis_5_7_12
charge_dis_5_7_12
Entries 1180
Mean 385.5
RMS 40.57


charge_dis_5_7_13
charge_dis_5_7_13
Entries 1180
Mean 372.3
RMS 48.07


charge_dis_5_7_14
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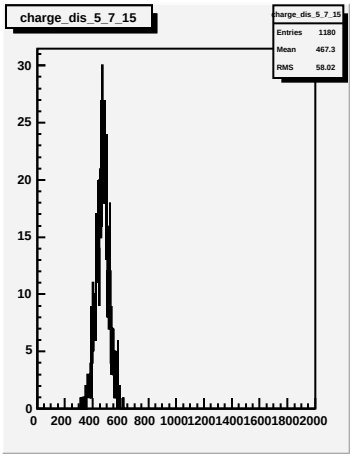
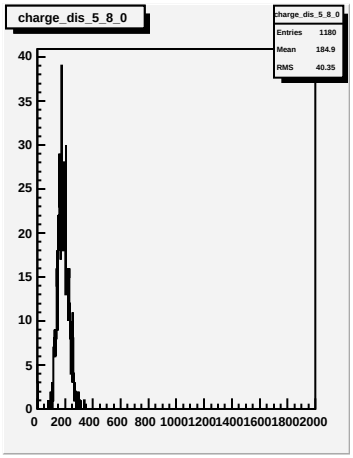
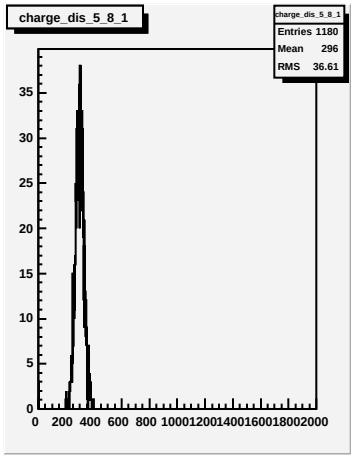
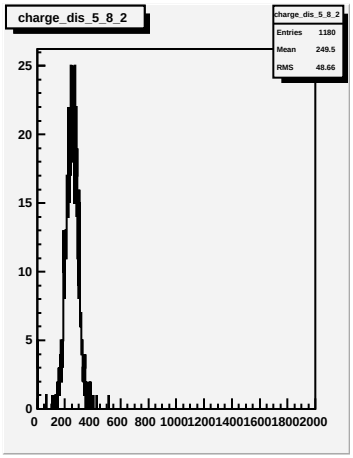
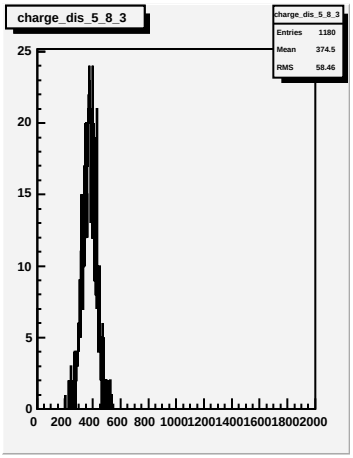
Entries 1180
Mean 563.1
RMS 59.79

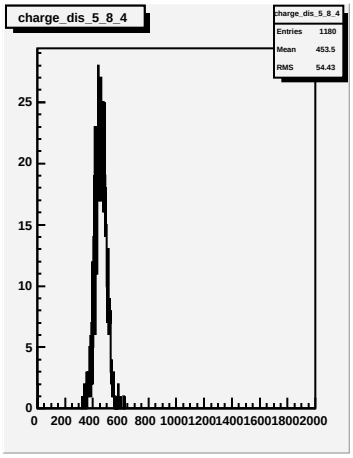

charge_dis_5_7_15
charge_dis_5_7_15
Entries 1180
Mean 467.3
RMS 58.02

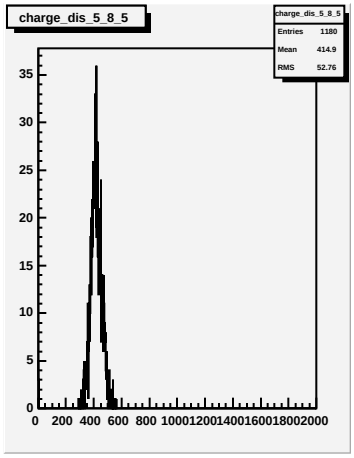

charge_dis_5_8_0
charge_dis_5_8_0
Entries 1180
Mean 184.9
RMS 40.35

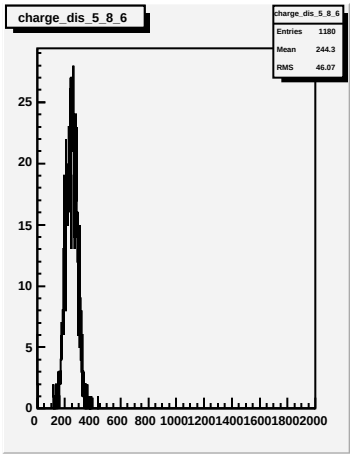

charge_dis_5_8_1
charge_dis_5_8_1
Entries 1180
Mean 296
RMS 36.61

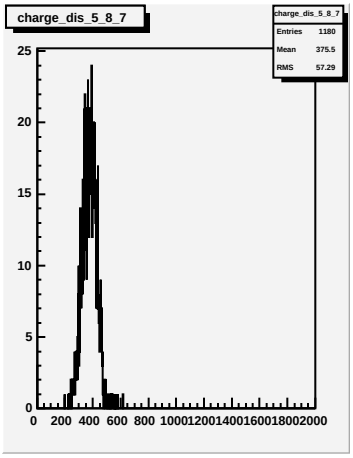

charge_dis_5_8_2
charge_dis_5_8_2
Entries 1180
Mean 249.5
RMS 48.66

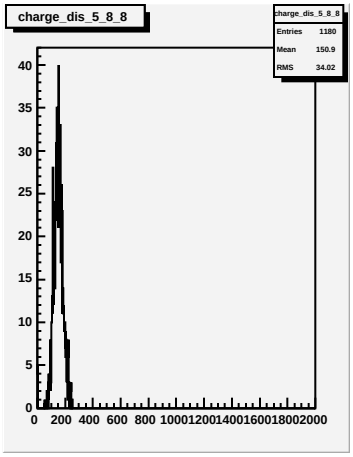

charge_dis_5_8_3
charge_dis_5_8_3
Entries 1180
Mean 374.5
RMS 58.46

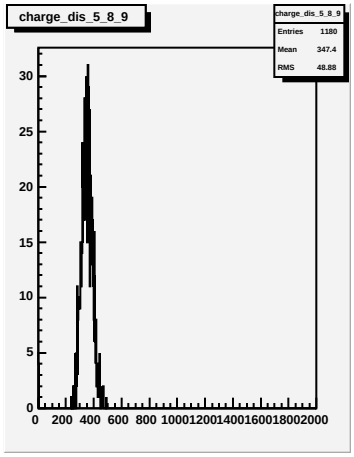

charge_dis_5_8_4
charge_dis_5_8_4
Entries 1180
Mean 453.5
RMS 54.43

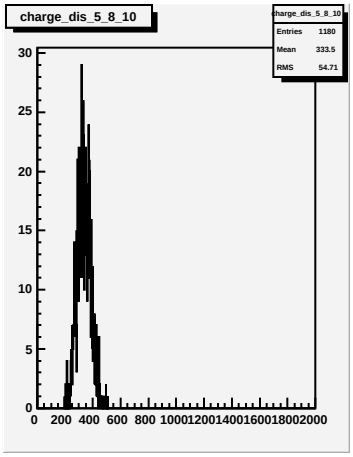

charge_dis_5_8_5
charge_dis_5_8_5
Entries 1180
Mean 414.9
RMS 52.76

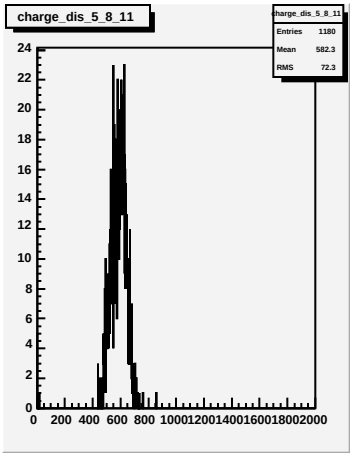

charge_dis_5_8_6
charge_dis_5_8_6
Entries 1180
Mean 244.3
RMS 46.07

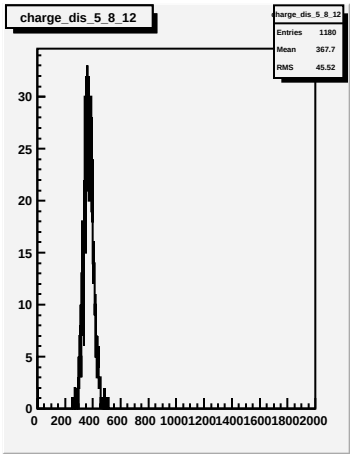

charge_dis_5_8_7
charge_dis_5_8_7
Entries 1180
Mean 375.5
RMS 57.29

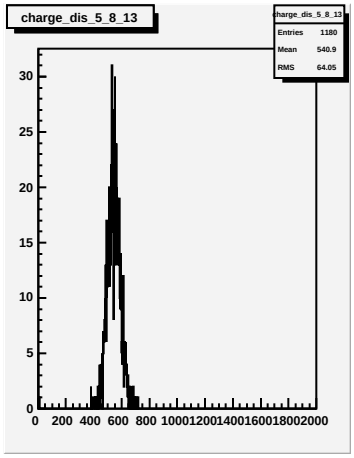

charge_dis_5_8_8
charge_dis_5_8_8
Entries 1180
Mean 150.9
RMS 34.02

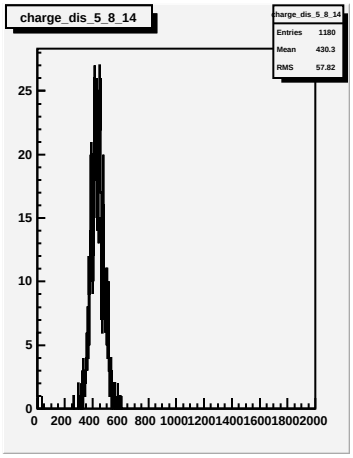

charge_dis_5_8_9
charge_dis_5_8_9
Entries 1180
Mean 347.4
RMS 48.88


charge_dis_5_8_10
charge_dis_5_8_10
Entries 1180
Mean 333.5
RMS 54.71


charge_dis_5_8_11
charge_dis_5_8_11
Entries 1180
Mean 582.3
RMS 72.3


charge_dis_5_8_12
charge_dis_5_8_12
Entries 1180
Mean 367.7
RMS 45.52


charge_dis_5_8_13
charge_dis_5_8_13
Entries 1180
Mean 540.9
RMS 64.05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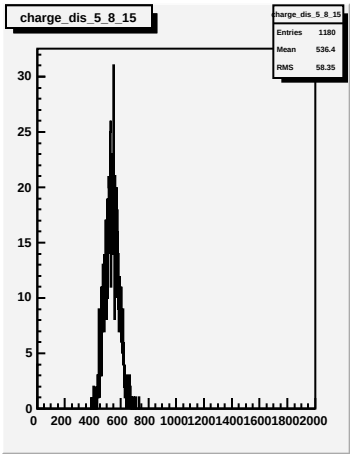
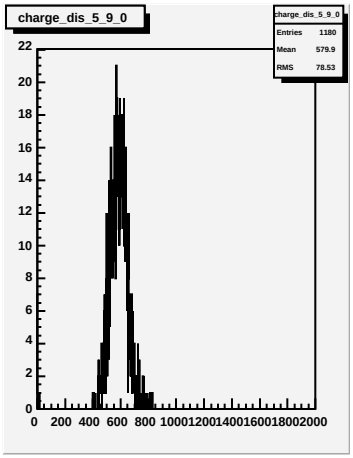
Entries 1180
Mean 430.3
RMS 57.82


charge_dis_5_8_15
charge_dis_5_8_15
Entries 1180
Mean 536.4
RMS 58.35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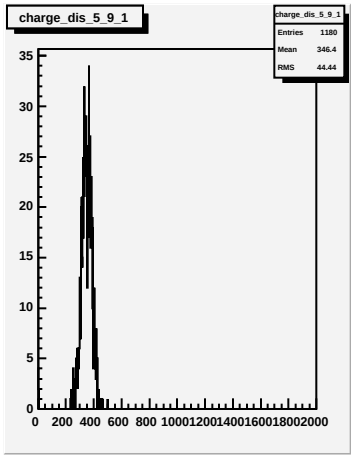
charge_dis_5_9_0
Entries 1180
Mean 579.9
RMS 78.53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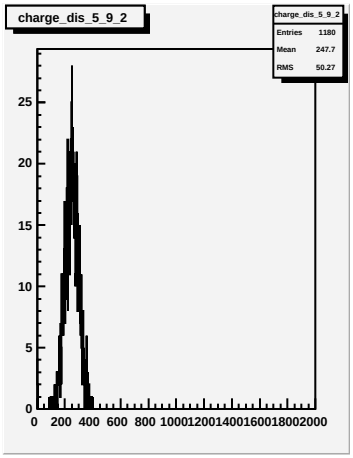
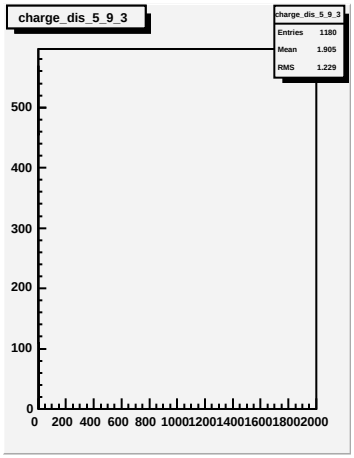
charge_dis_5_9_1
Entries 1180
Mean 346.4
RMS 44.44


charge_dis_5_9_2
charge_dis_5_9_2
Entries 1180
Mean 247.7
RMS 50.27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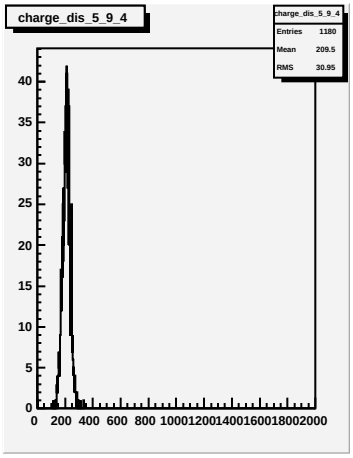
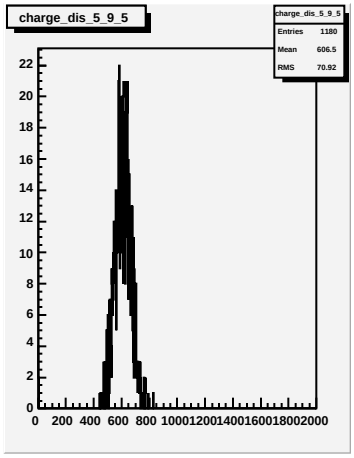
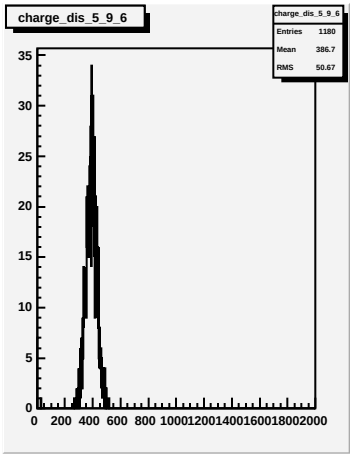
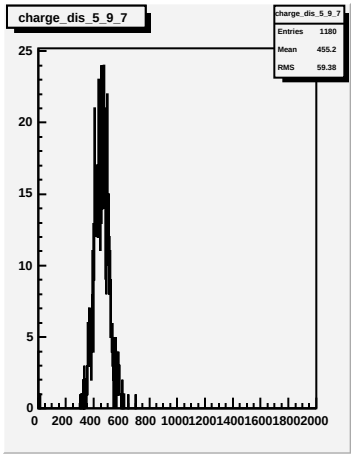
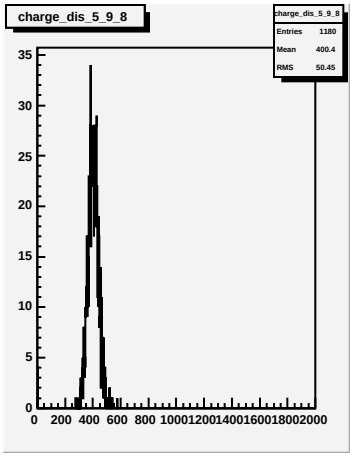
charge_dis_5_9_3
Entries 1180
Mean 1.905
RMS 1.229

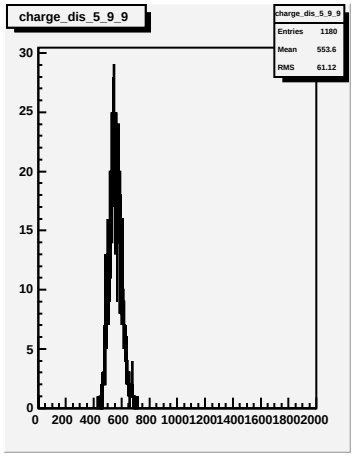

charge_dis_5_9_4
charge_dis_5_9_4
Entries 1180
Mean 209.5
RMS 30.95

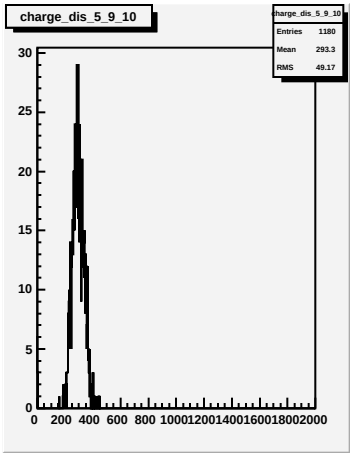

charge_dis_5_9_5
charge_dis_5_9_5
Entries 1180
Mean 606.5
RMS 70.92

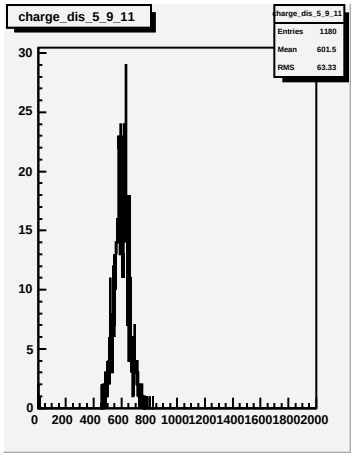

charge_dis_5_9_6
charge_dis_5_9_6
Entries 1180
Mean 386.7
RMS 50.67

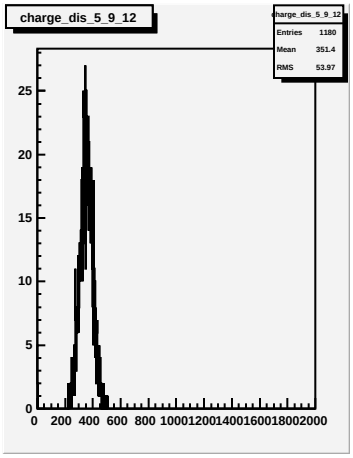

charge_dis_5_9_7
charge_dis_5_9_7
Entries 1180
Mean 455.2
RMS 59.38

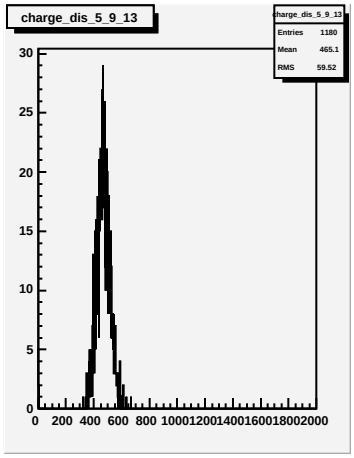

charge_dis_5_9_8
charge_dis_5_9_8
Entries 1180
Mean 400.4
RMS 50.45

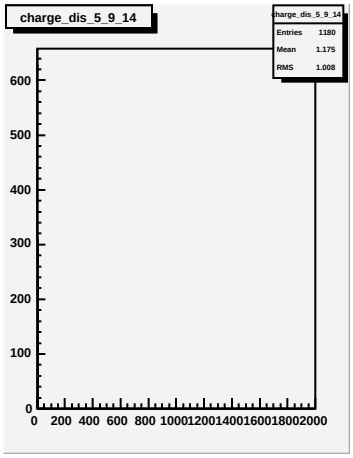

charge_dis_5_9_9
charge_dis_5_9_9
Entries 1180
Mean 553.6
RMS 61.12


charge_dis_5_9_10
charge_dis_5_9_10
Entries 1180
Mean 293.3
RMS 49.17


charge_dis_5_9_11
charge_dis_5_9_11
Entries 1180
Mean 601.5
RMS 63.33


charge_dis_5_9_12
charge_dis_5_9_12
Entries 1180
Mean 351.4
RMS 53.97


charge_dis_5_9_13
charge_dis_5_9_13
Entries 1180
Mean 465.1
RMS 59.52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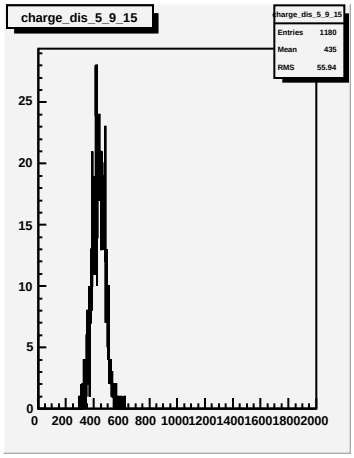
Entries 1180
Mean 1.175
RMS 1.008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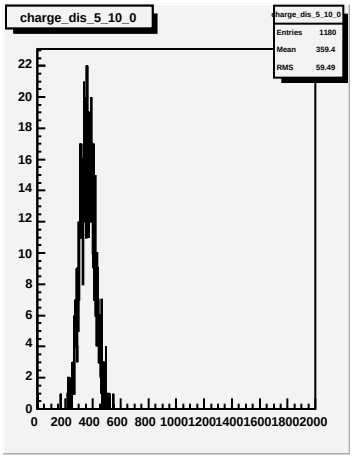
charge_dis_5_9_15
Entries 1180
Mean 435
RMS 55.94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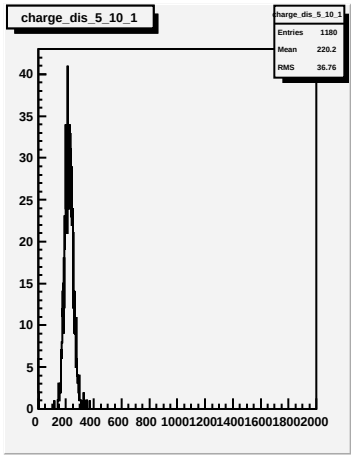
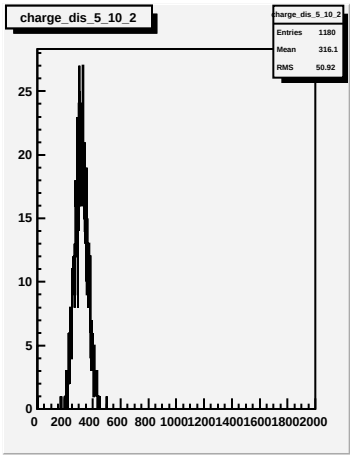
charge_dis_5_10_0
Entries 1180
Mean 359.4
RMS 59.49


charge_dis_5_10_1
charge_dis_5_10_1
Entries 1180
Mean 220.2
RMS 36.76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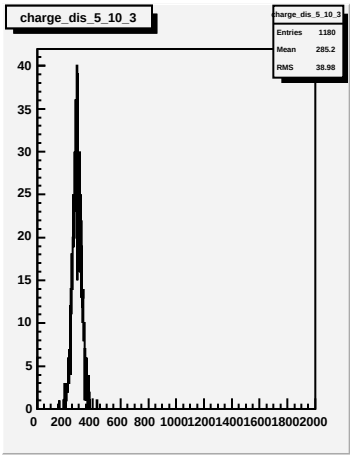
charge_dis_5_10_2
Entries 1180
Mean 316.1
RMS 50.92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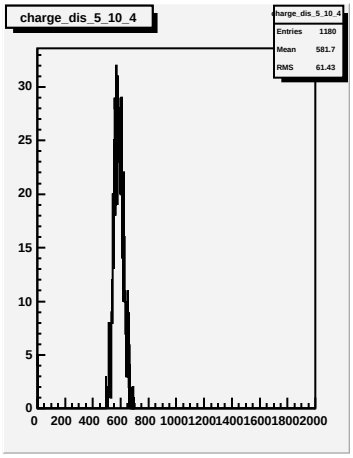
charge_dis_5_10_3
Entries 1180
Mean 285.2
RMS 38.98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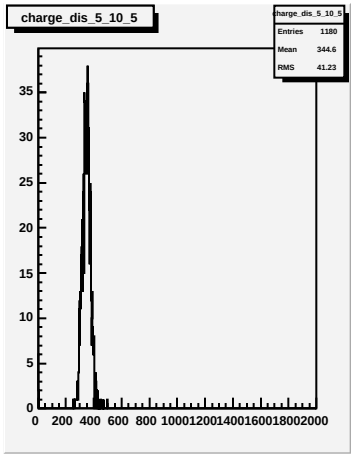
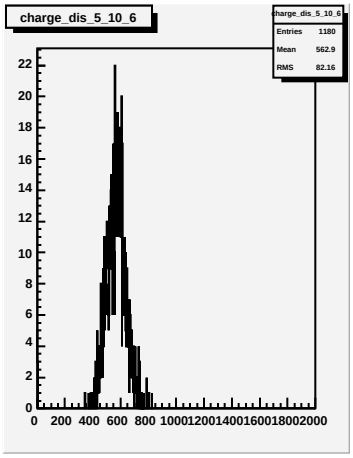
charge_dis_5_10_4
Entries 1180
Mean 581.7
RMS 61.43


charge_dis_5_10_5
charge_dis_5_10_5
Entries 1180
Mean 344.6
RMS 41.23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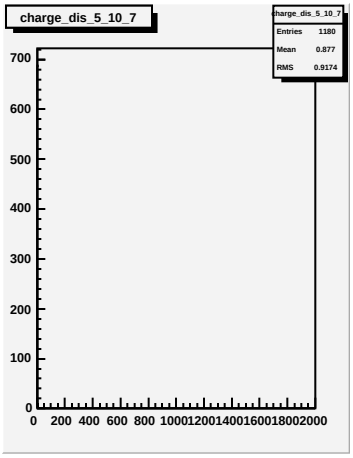
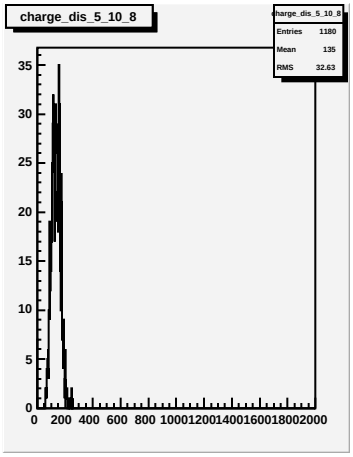
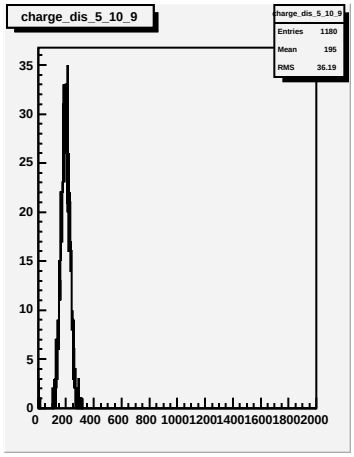
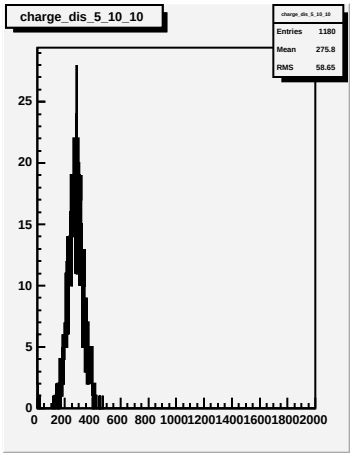
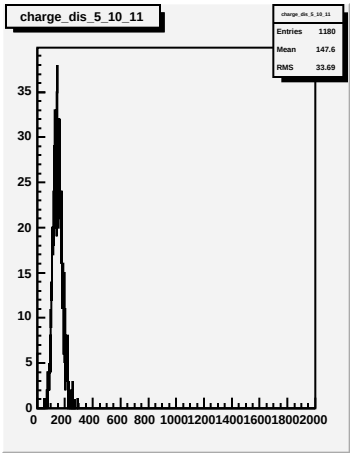
charge_dis_5_10_6
Entries 1180
Mean 562.9
RMS 82.16


charge_dis_5_10_7
charge_dis_5_10_7
Entries 1180
Mean 0.877
RMS 0.9174


charge_dis_5_10_8
charge_dis_5_10_8
Entries 1180
Mean 135
RMS 32.63


charge_dis_5_10_9
charge_dis_5_10_9
Entries 1180
Mean 195
RMS 36.19


charge_dis_5_10_10
charge_dis_5_10_10
Entries 1180
Mean 275.8
RMS 58.65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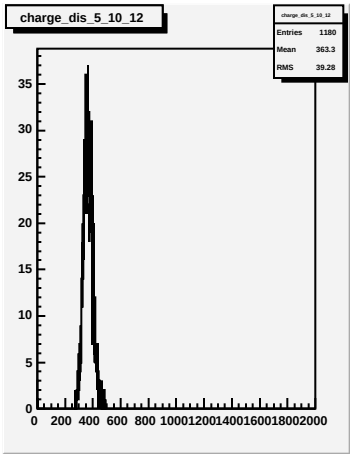
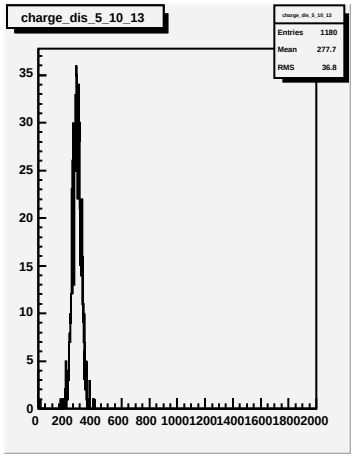
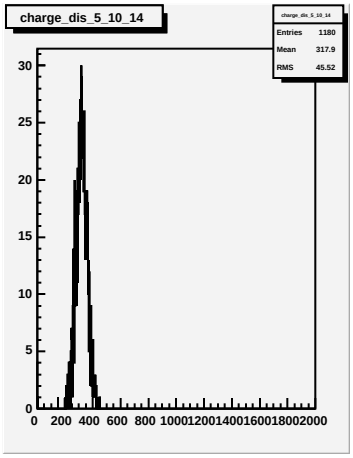
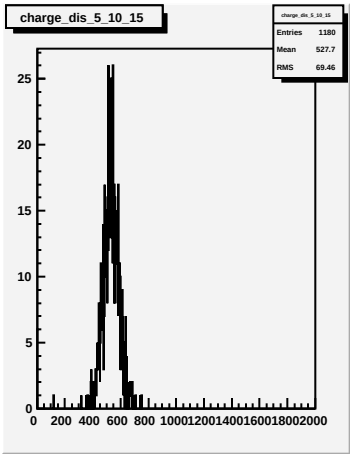
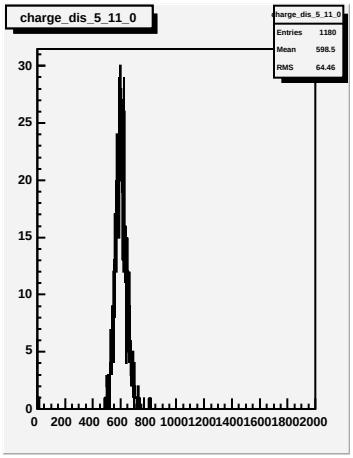
charge_dis_5_10_11
Entries 1180
Mean 147.6
RMS 33.69


charge_dis_5_10_12
charge_dis_5_10_12
Entries 1180
Mean 363.3
RMS 39.28


charge_dis_5_10_13
charge_dis_5_10_13
Entries 1180
Mean 277.7
RMS 36.8


charge_dis_5_10_14
charge_dis_5_10_14
Entries 1180
Mean 317.9
RMS 45.52


charge_dis_5_10_15
charge_dis_5_10_15
Entries 1180
Mean 527.7
RMS 69.46


charge_dis_5_11_0
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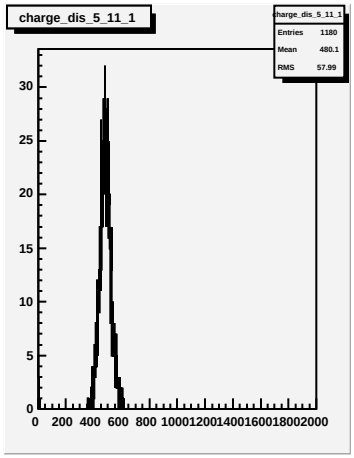
Mean 598.5
RMS 64.46


charge_dis_5_11_1
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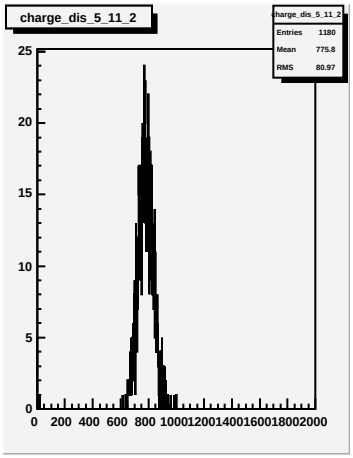
Mean 480.1
RMS 57.99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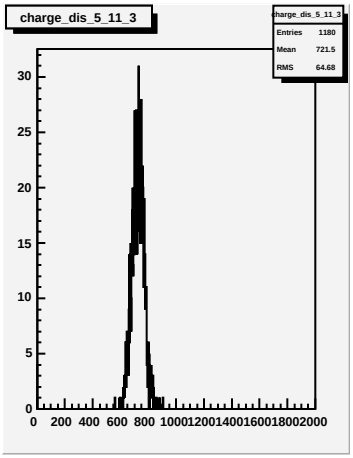
Mean 775.8
RMS 80.97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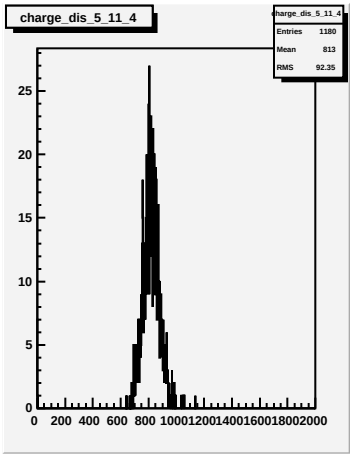
Entries 1180
Mean 721.5
RMS 64.68


charge_dis_5_11_4
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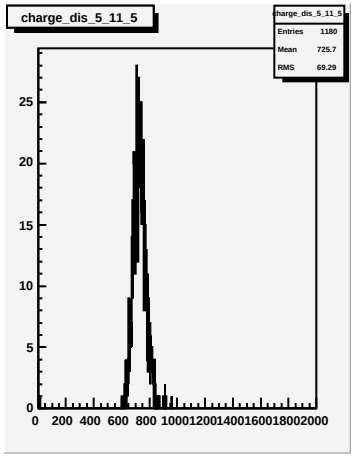
Mean 813
RMS 92.35


charge_dis_5_11_5
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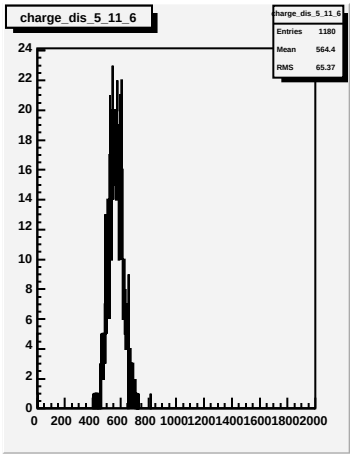
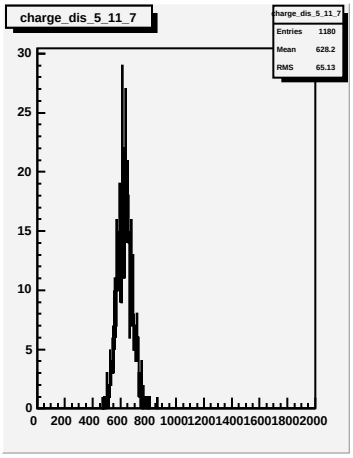
Mean 725.7
RMS 69.29


charge_dis_5_11_6
Entries 1180
Mean 564.4
RMS 65.37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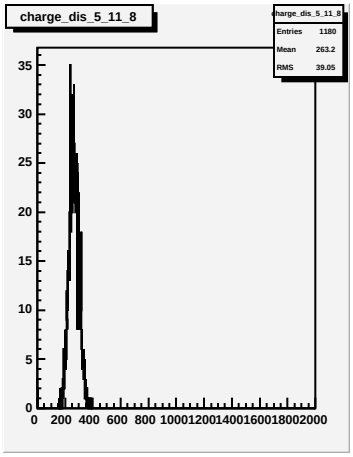
Entries 1180
Mean 628.2
RMS 65.13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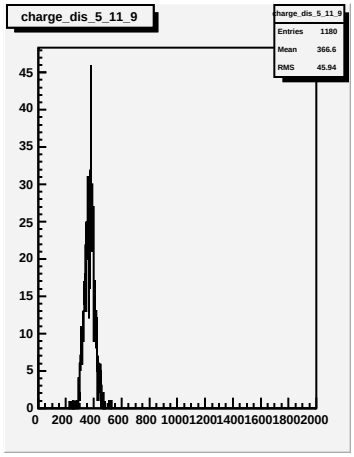
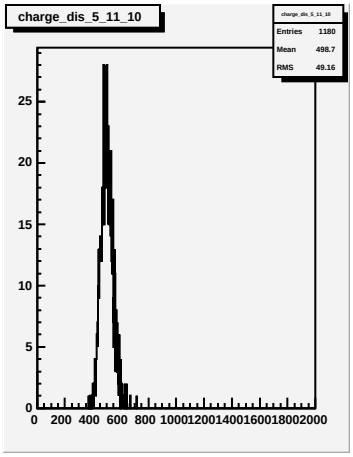
Entries 1180
Mean 263.2
RMS 39.05


charge_dis_5_11_9
Entries 1180
Mean 366.6
RMS 45.94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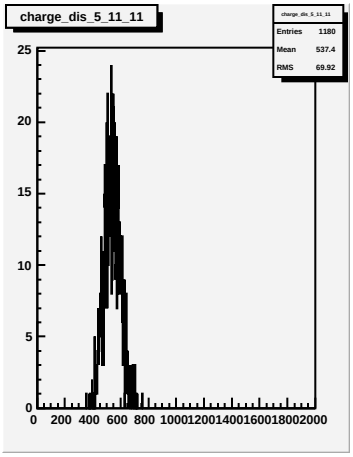
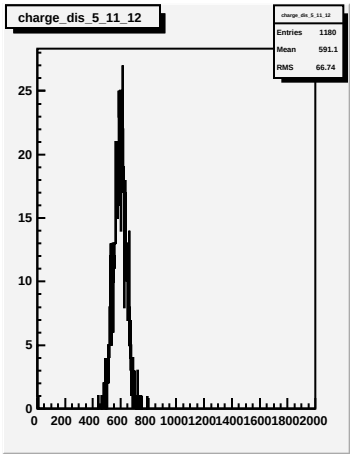
Entries 1180
Mean 498.7
RMS 49.16


charge_dis_5_11_11
Entries 1180
Mean 537.4
RMS 69.92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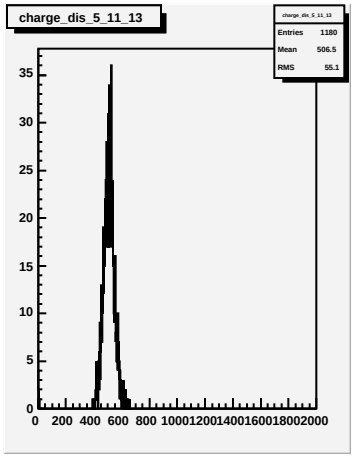
RMS 66.74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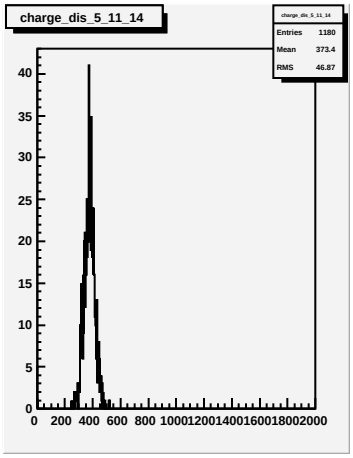
Entries 1180
Mean 506.5
RMS 55.1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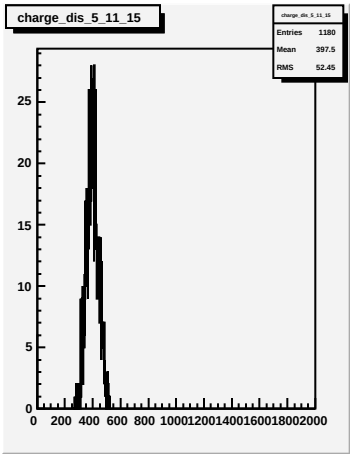
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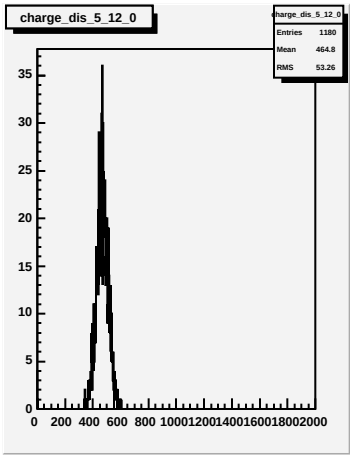
RMS 52.45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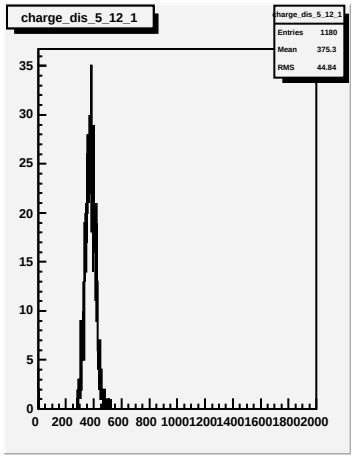
RMS 53.26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Mean 375.3
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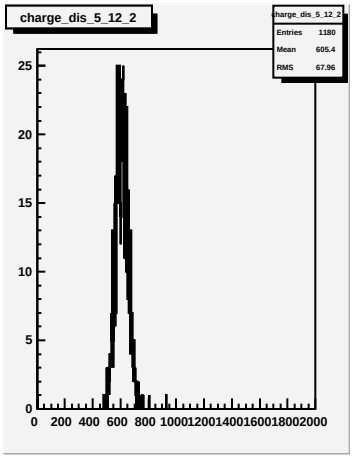
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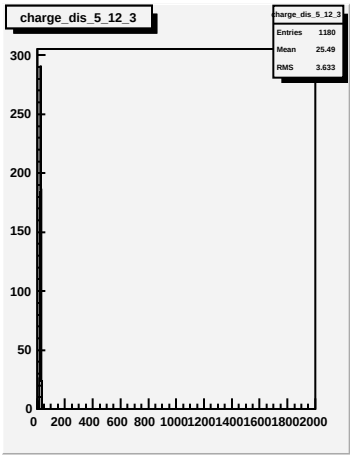
Entries 1180
Mean 605.4
RMS 67.96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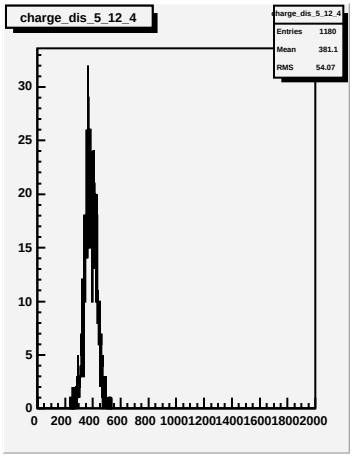
Mean 25.49
RMS 3.633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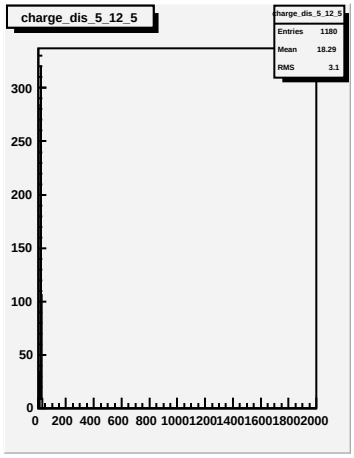
Mean 381.1
RMS 54.07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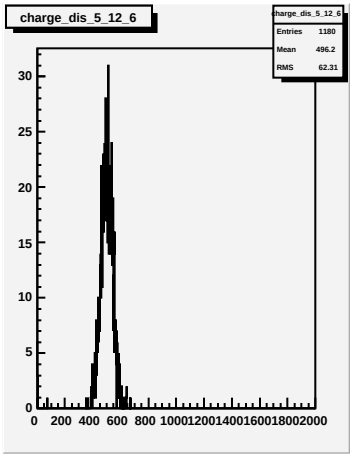
Entries 1180
Mean 18.29
RMS 3.1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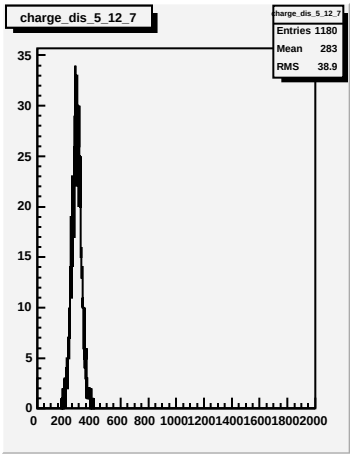
Mean 496.2
RMS 62.31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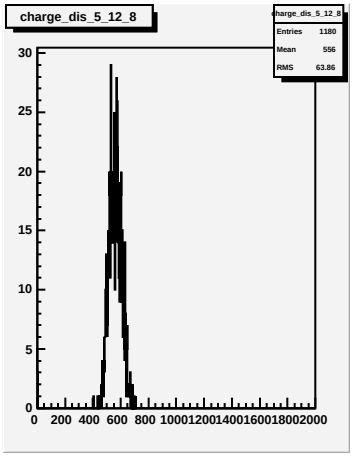
Mean 283
RMS 38.9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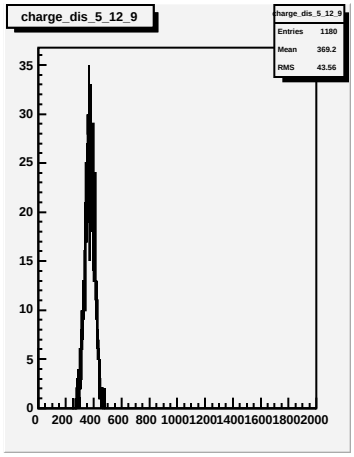
Mean 556
RMS 63.86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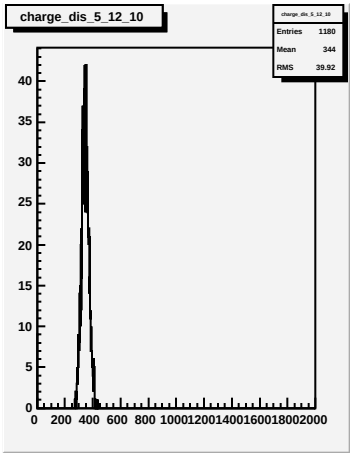
Entries 1180
Mean 369.2
RMS 43.56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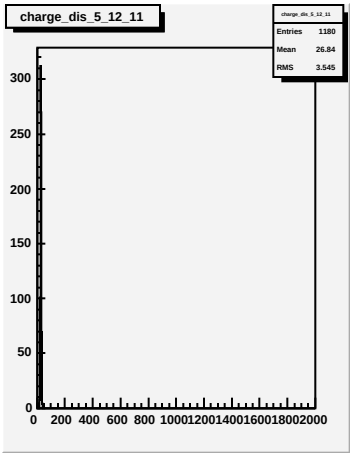
Entries 1180
Mean 344
RMS 39.92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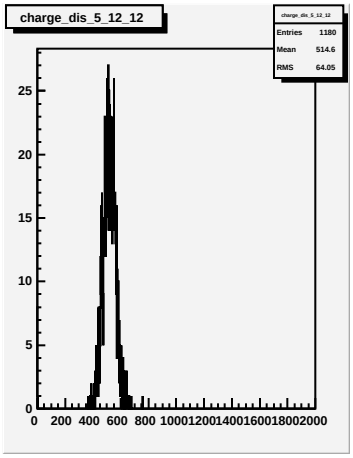
Entries 1180
Mean 26.84
RMS 3.545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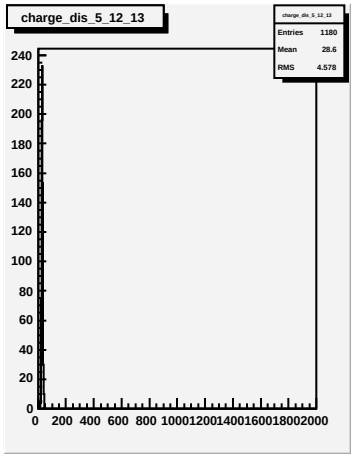
Entries 1180
Mean 514.6
RMS 64.05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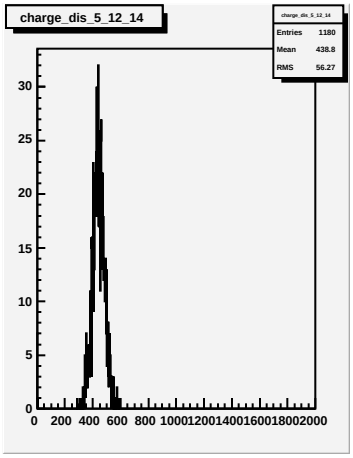
Entries 1180
Mean 28.6
RMS 4.578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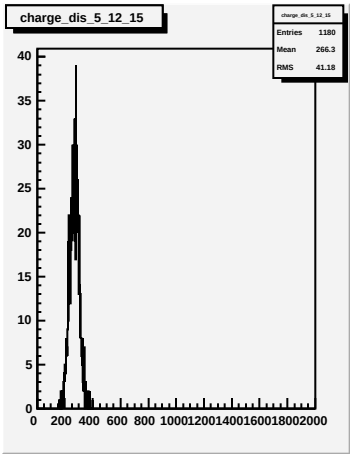
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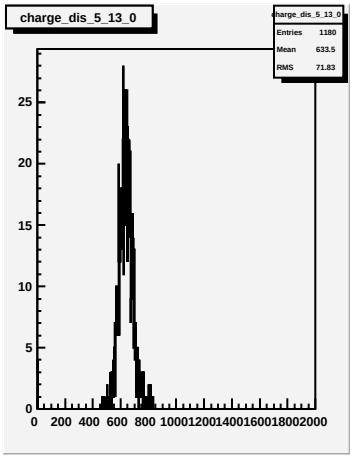
Entries 1180
Mean 266.3
RMS 41.18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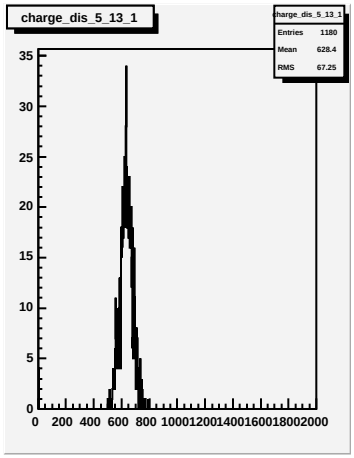
Entries 1180
Mean 633.5
RMS 71.83


charge_dis_5_13_1
charge_dis_5_13_1
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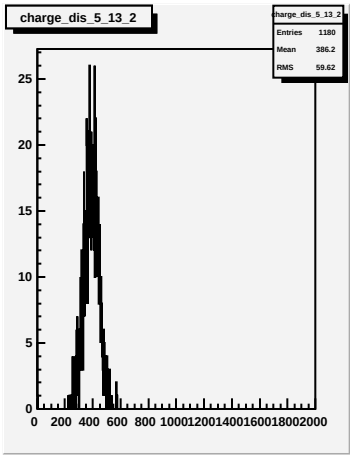
Mean 628.4
RMS 67.25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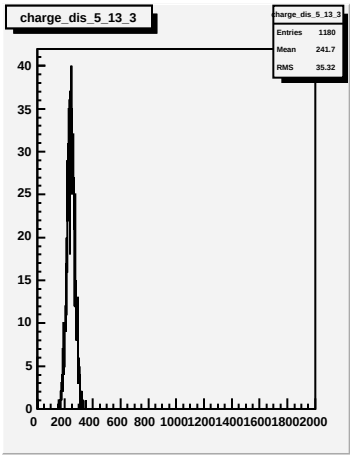
Entries 1180
Mean 386.2
RMS 59.62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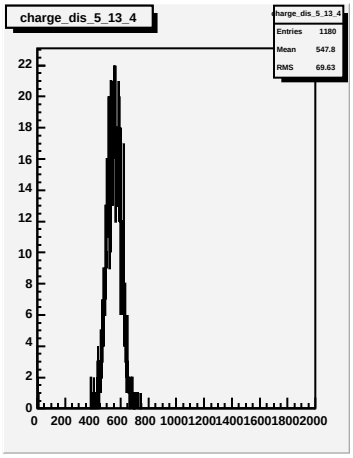
charge_dis_5_13_3
Entries 1180
Mean 241.7
RMS 35.32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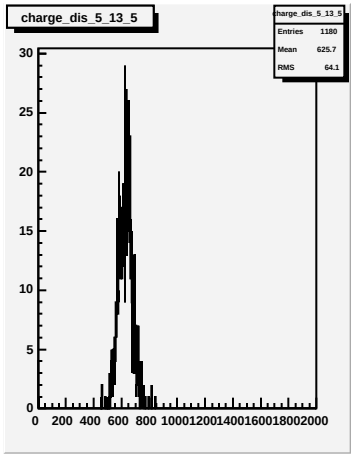
charge_dis_5_13_4
Entries 1180
Mean 547.8
RMS 69.63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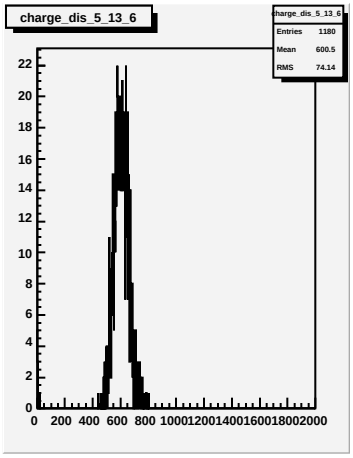
charge_dis_5_13_5
Entries 1180
Mean 625.7
RMS 64.1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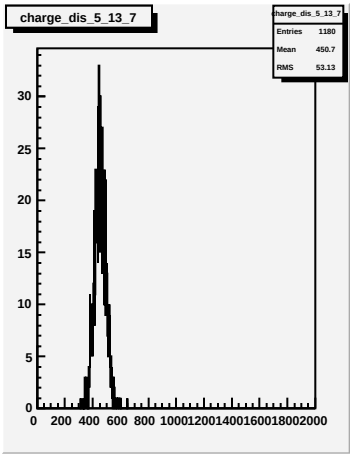
RMS 74.14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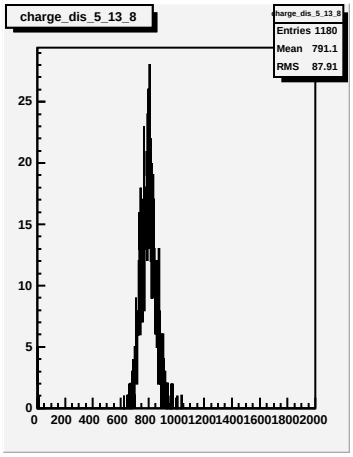
charge_dis_5_13_7
Entries 1180
Mean 450.7
RMS 53.13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charge_dis_5_13_8
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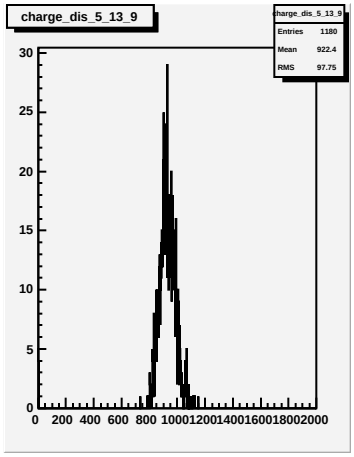
Mean 791.1
RMS 87.91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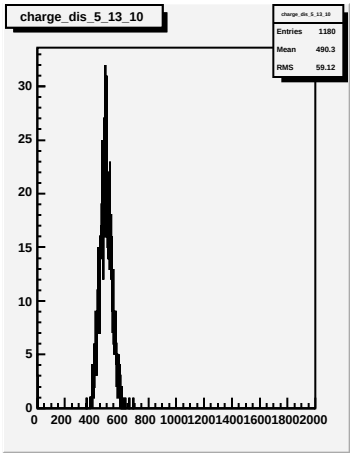
charge_dis_5_13_9
Entries 1180
Mean 922.4
RMS 97.75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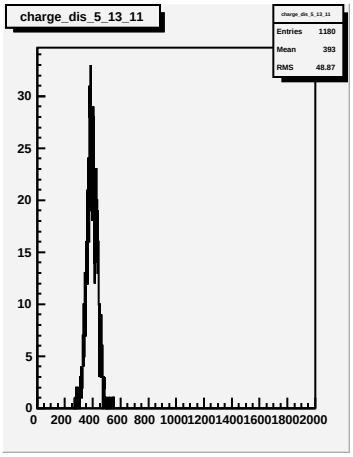
charge_dis_5_13_10
Entries 1180
Mean 490.3
RMS 59.12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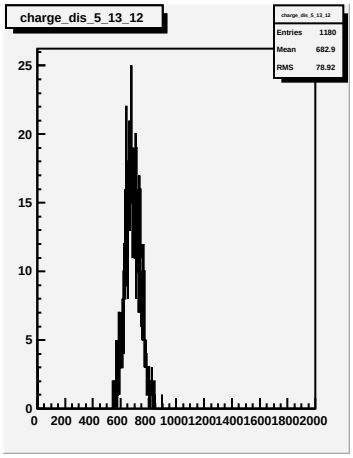
charge_dis_5_13_11
Entries 1180
Mean 393
RMS 48.87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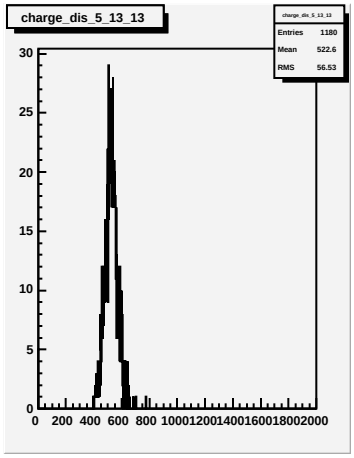
charge_dis_5_13_12
Entries 1180
Mean 682.9
RMS 78.92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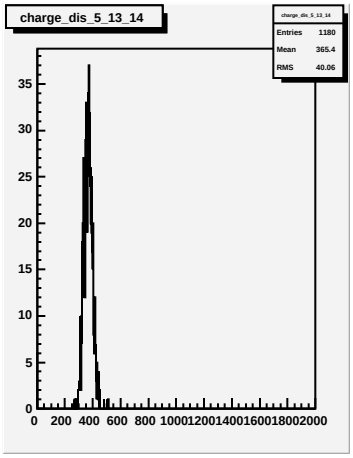
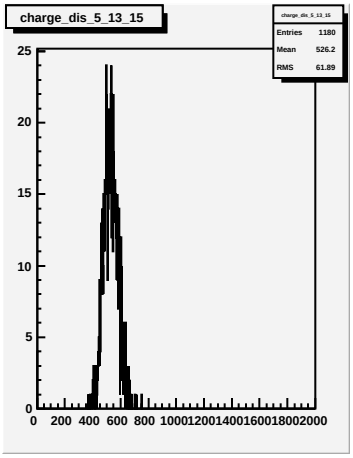
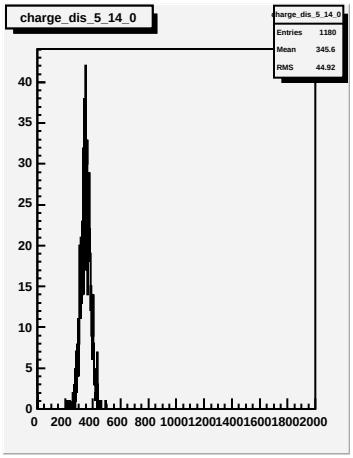
charge_dis_5_13_13
Entries 1180
Mean 522.6
RMS 56.53


charge_dis_5_13_14
charge_dis_5_13_14
Entries 1180
Mean 365.4
RMS 40.06


charge_dis_5_13_15
charge_dis_5_13_15
Entries 1180
Mean 526.2
RMS 61.89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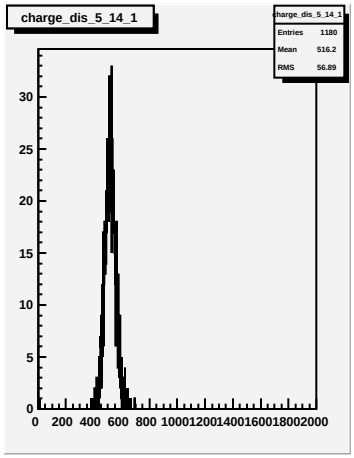
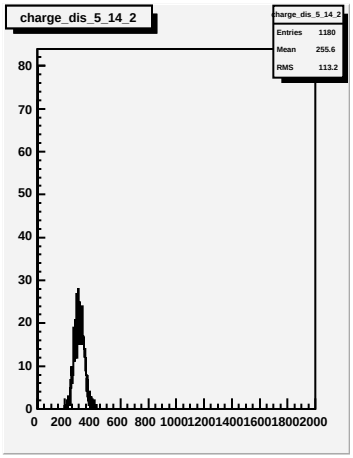
Entries 1180
Mean 345.6
RMS 44.92


charge_dis_5_14_1
charge_dis_5_14_1
Entries 1180
Mean 516.2
RMS 56.89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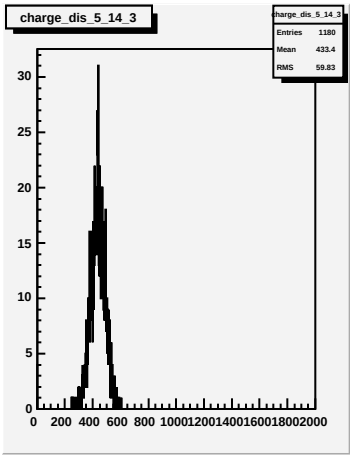
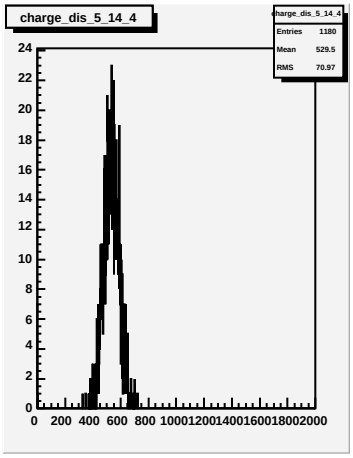
Entries 1180
Mean 255.6
RMS 113.2


charge_dis_5_14_3
charge_dis_5_14_3
Entries 1180
Mean 433.4
RMS 59.83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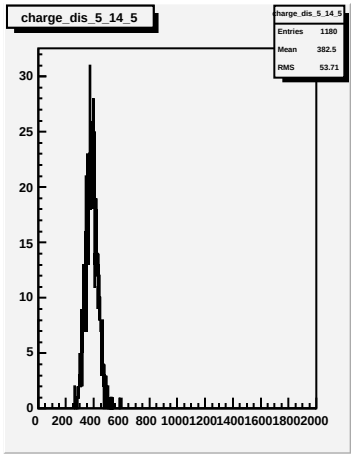
Entries 1180
Mean 529.5
RMS 70.97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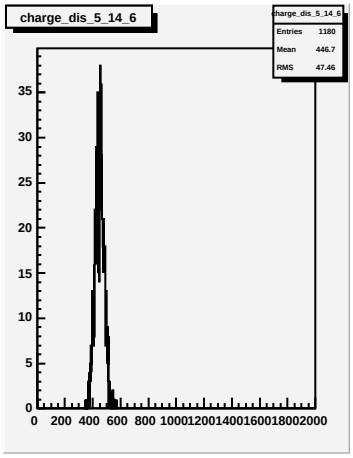
Entries 1180
Mean 382.5
RMS 53.71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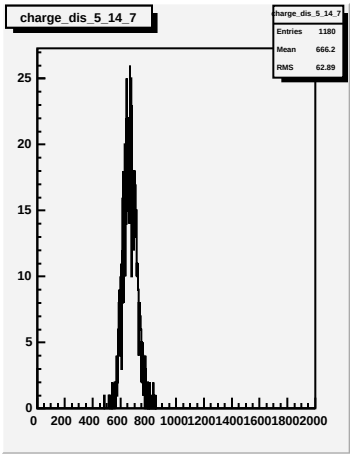
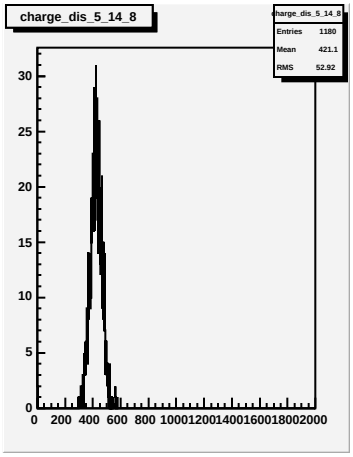
Entries 1180
Mean 446.7
RMS 47.46


charge_dis_5_14_7
charge_dis_5_14_7
Entries 1180
Mean 666.2
RMS 62.89


charge_dis_5_14_8
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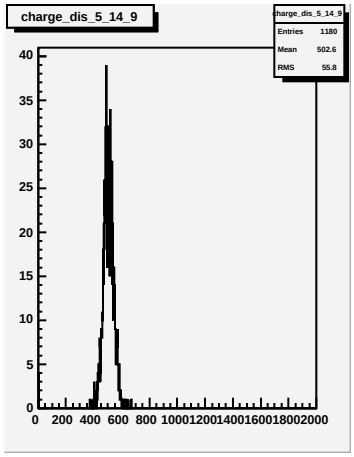
Entries 1180
Mean 421.1
RMS 52.92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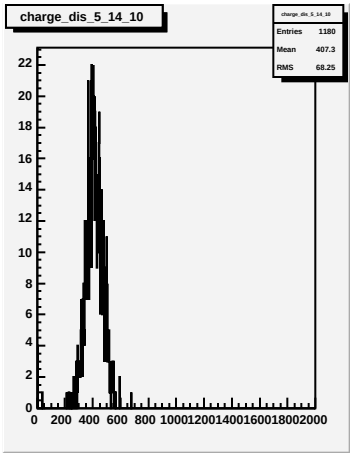
charge_dis_5_14_9
Entries 1180
Mean 502.6
RMS 55.8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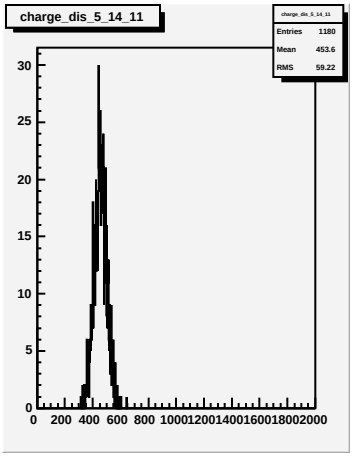
Entries 1180
Mean 407.3
RMS 68.25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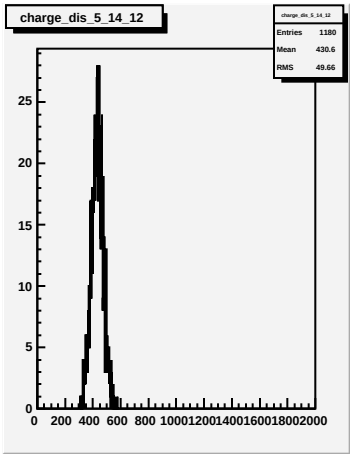
Mean 453.6
RMS 59.22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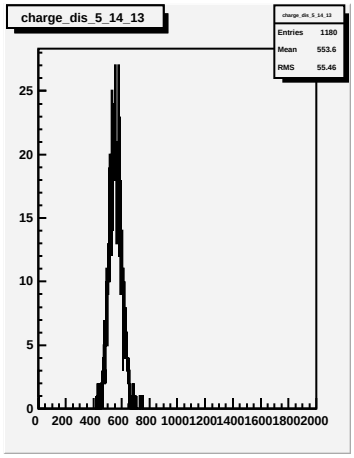
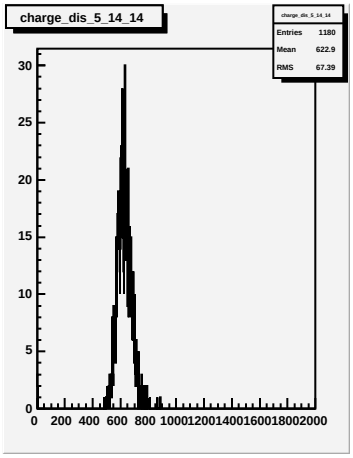
charge_dis_5_14_12
Entries 1180
Mean 430.6
RMS 49.66


charge_dis_5_14_13
charge_dis_5_14_13
Entries 1180
Mean 553.6
RMS 55.46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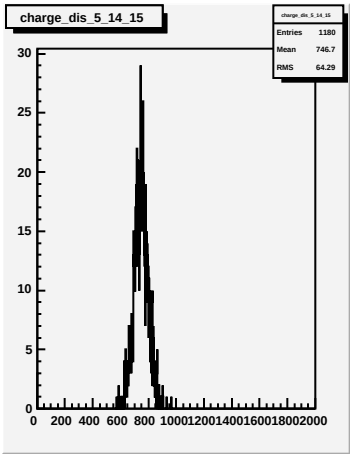
Entries 1180
Mean 622.9
RMS 67.39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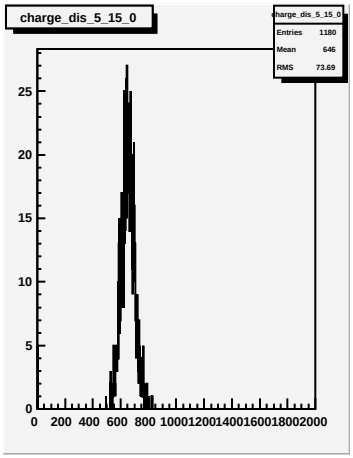
charge_dis_5_14_15
Entries 1180
Mean 746.7
RMS 64.29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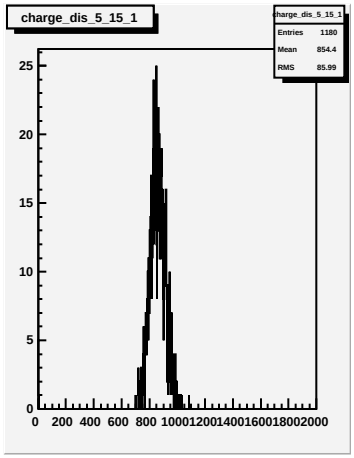
Mean 646
RMS 73.69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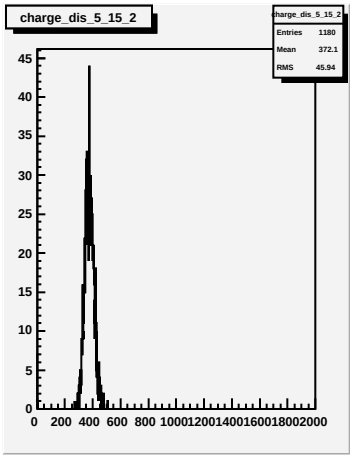
Mean 854.4
RMS 85.99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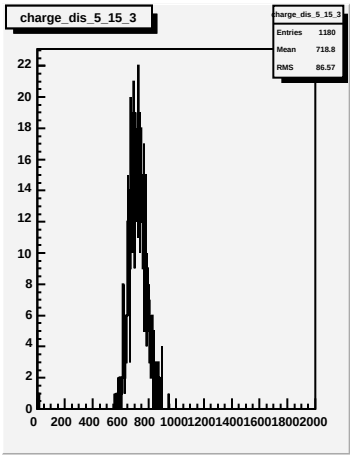
Entries 1180
Mean 372.1
RMS 45.94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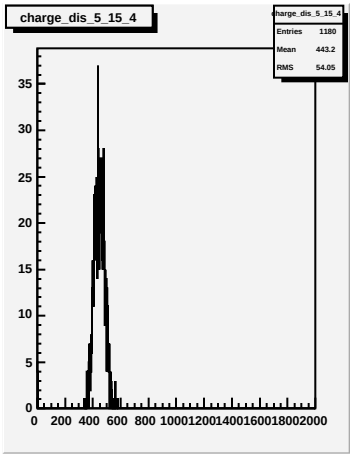
Entries 1180
Mean 718.8
RMS 86.57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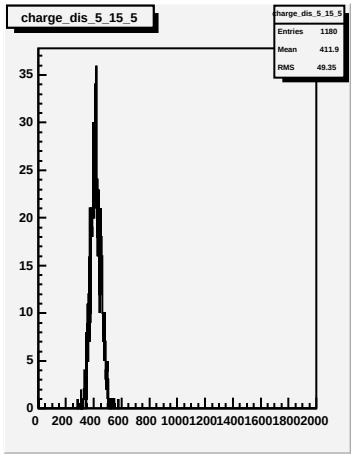
Entries 1180
Mean 443.2
RMS 54.05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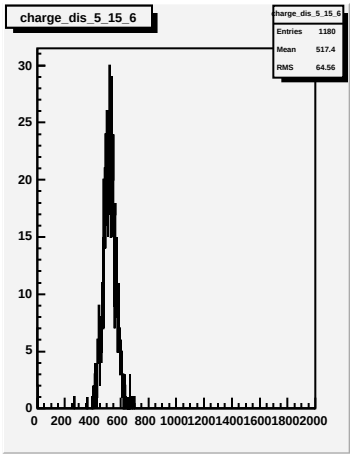
Entries 1180
Mean 411.9
RMS 49.35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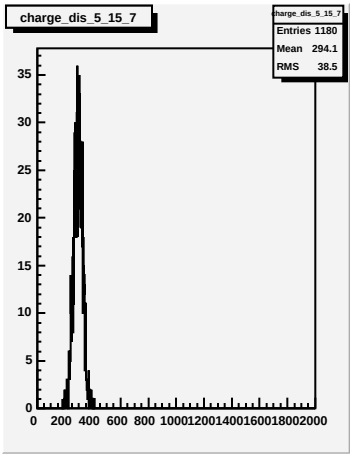
Entries 1180
Mean 517.4
RMS 64.56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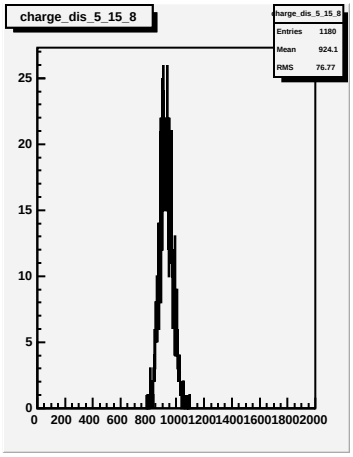
Entries 1180
Mean 294.1
RMS 38.5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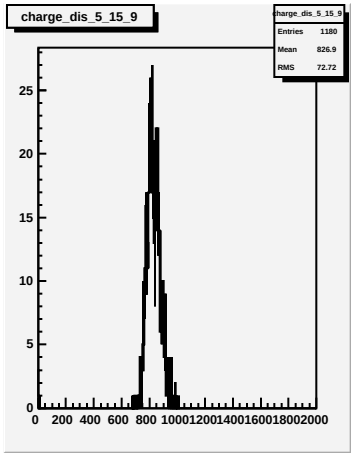
Entries 1180
Mean 924.1
RMS 76.77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Entries 1180
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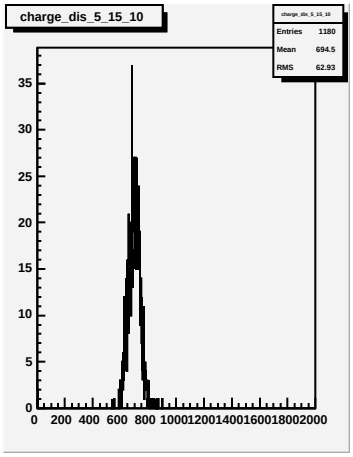
RMS 72.72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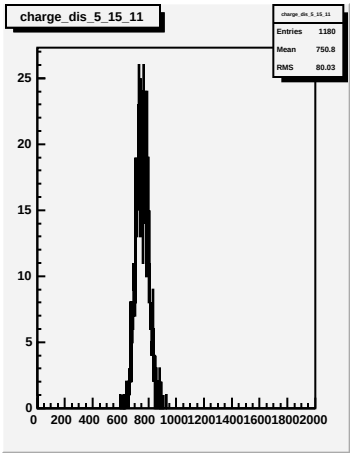
Entries 1180
Mean 694.5
RMS 62.93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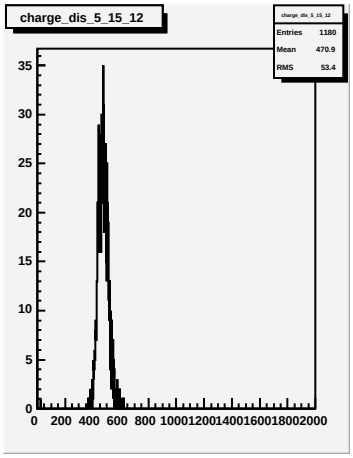
Entries 1180
Mean 750.8
RMS 80.03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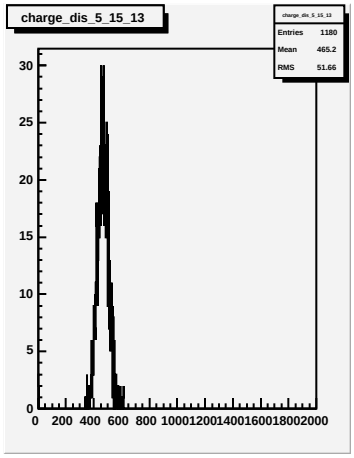
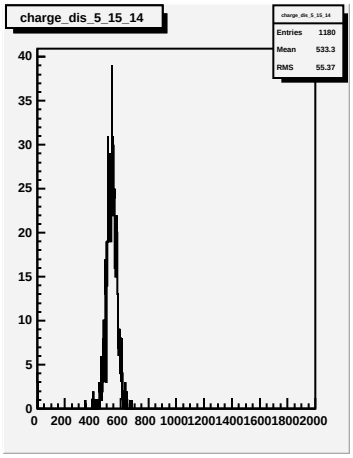
Entries 1180
Mean 470.9
RMS 53.4


charge_dis_5_15_13
Entries 1180
Mean 465.2
RMS 51.66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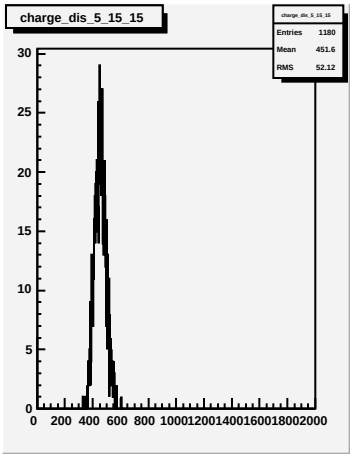
Entries 1180
Mean 533.3
RMS 55.37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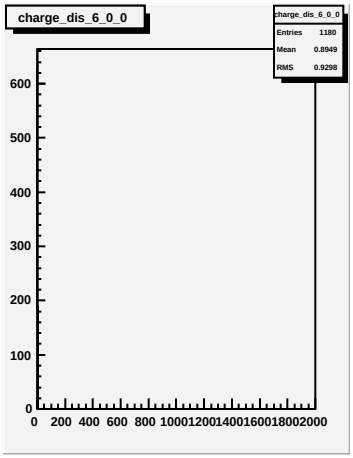
Mean 451.6
RMS 52.12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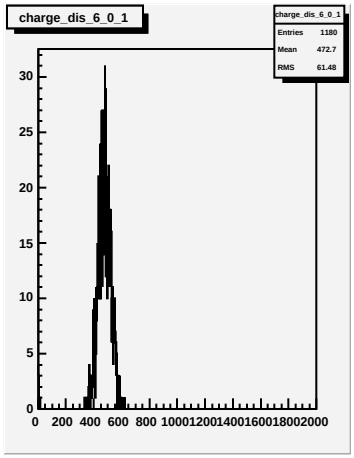
RMS 0.9298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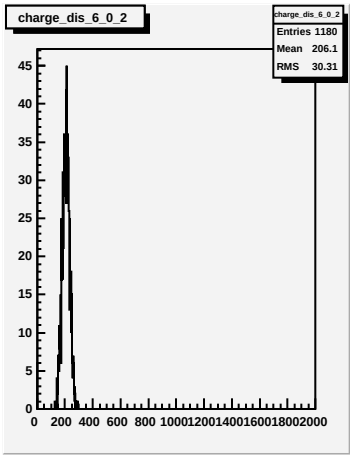
RMS 61.48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Mean 206.1
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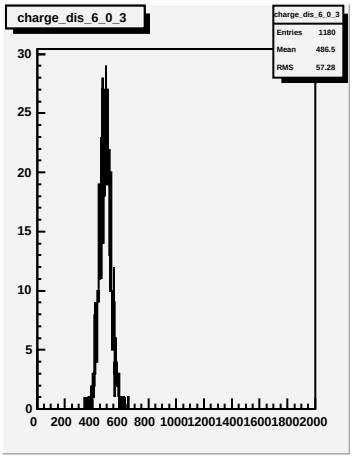
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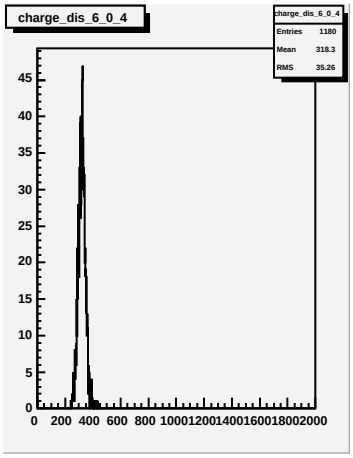
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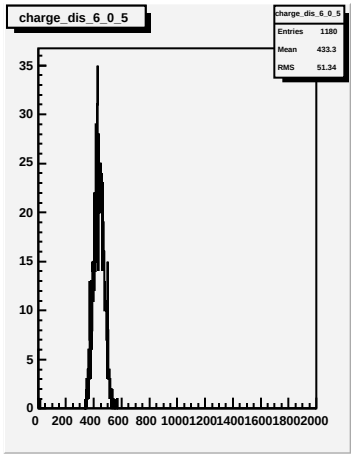
RMS 35.26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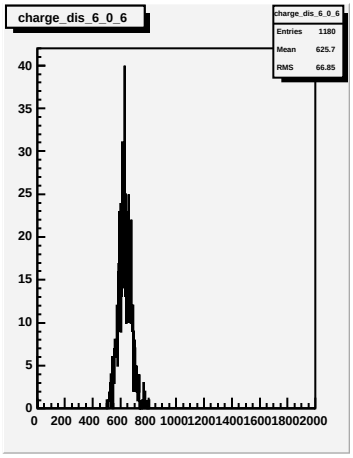
Entries 1180
Mean 433.3
RMS 51.34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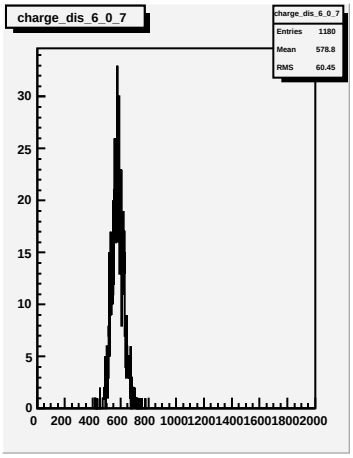
Entries 1180
Mean 625.7
RMS 66.85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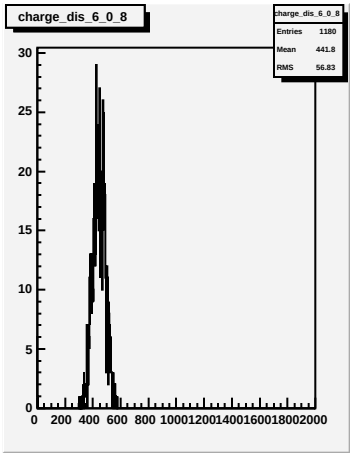
RMS 60.45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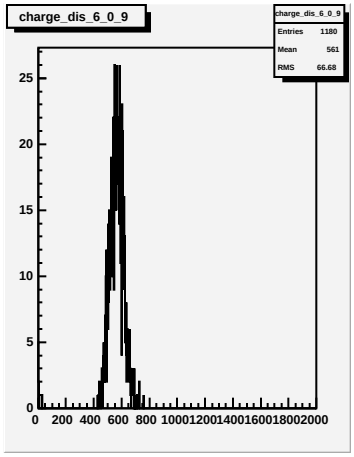
charge_dis_6_0_8
Entries 1180
Mean 441.8
RMS 56.83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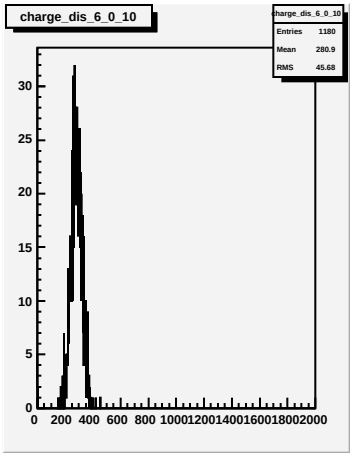
charge_dis_6_0_9
Entries 1180
Mean 561
RMS 66.68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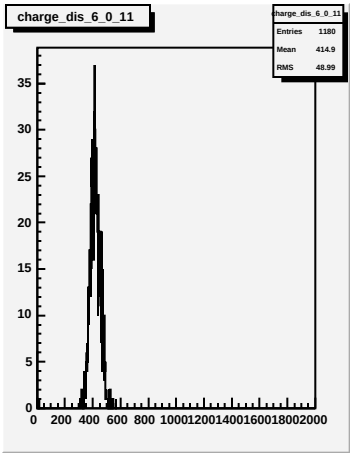
Entries 1180
Mean 280.9
RMS 45.68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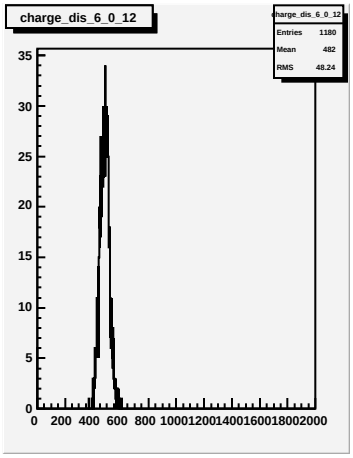
Entries 1180
Mean 414.9
RMS 48.99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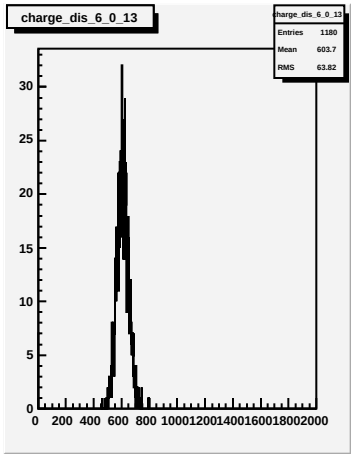
Entries 1180
Mean 482
RMS 48.24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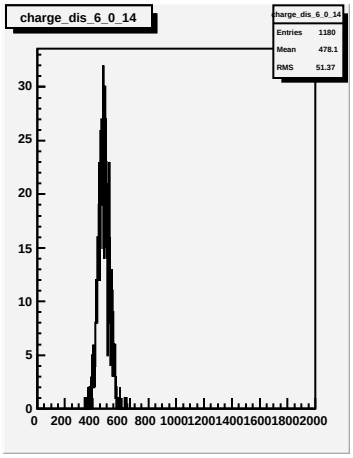
Entries 1180
Mean 603.7
RMS 63.82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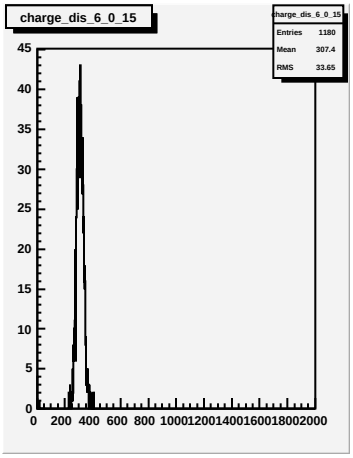
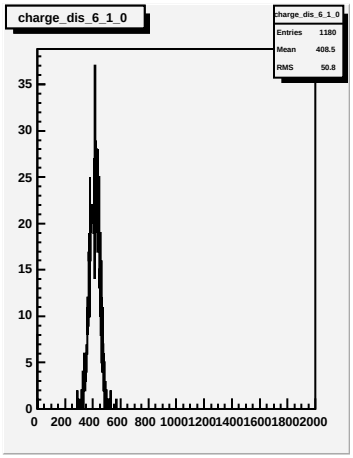
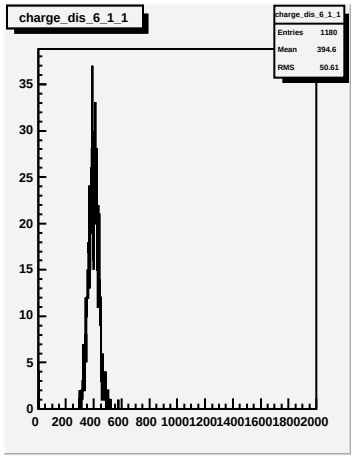
Entries 1180
Mean 478.1
RMS 51.37


charge_dis_6_0_15
charge_dis_6_0_15
Entries 1180
Mean 307.4
RMS 33.65


charge_dis_6_1_0
charge_dis_6_1_0
Entries 1180
Mean 408.5
RMS 50.8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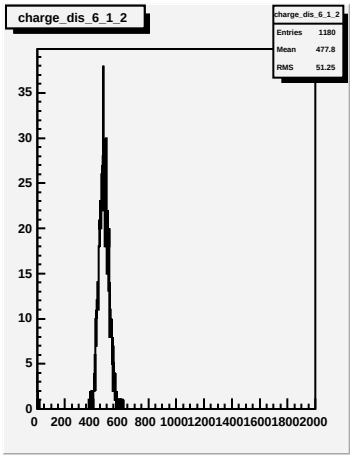
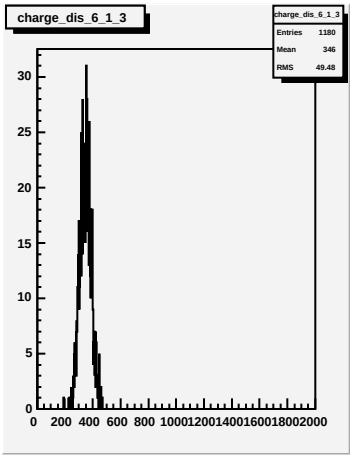
charge_dis_6_1_1
Entries 1180
Mean 394.6
RMS 50.61


charge_dis_6_1_2
charge_dis_6_1_2
Entries 1180
Mean 477.8
RMS 51.25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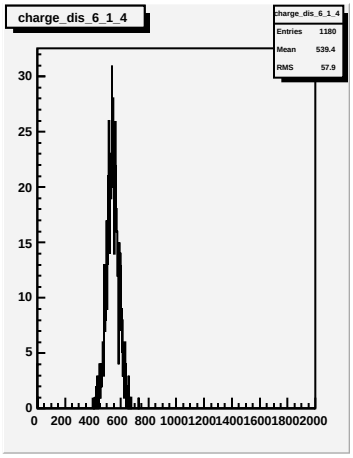
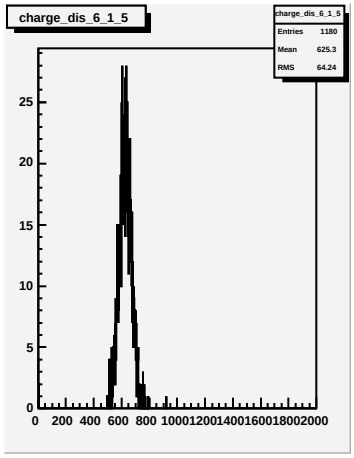
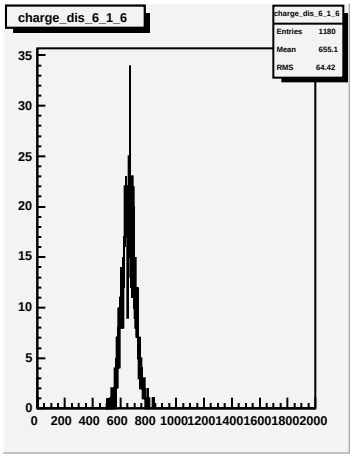
charge_dis_6_1_3
Entries 1180
Mean 346
RMS 49.48


charge_dis_6_1_4
charge_dis_6_1_4
Entries 1180
Mean 539.4
RMS 57.9


charge_dis_6_1_5
charge_dis_6_1_5
Entries 1180
Mean 625.3
RMS 64.24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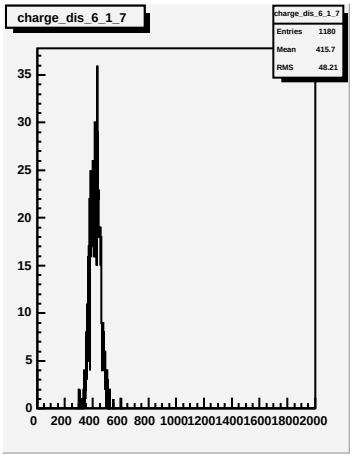
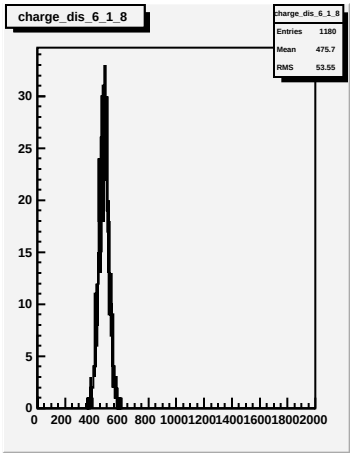
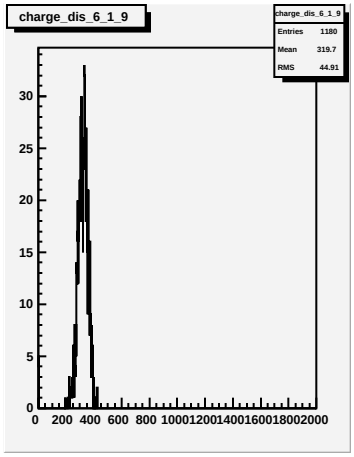
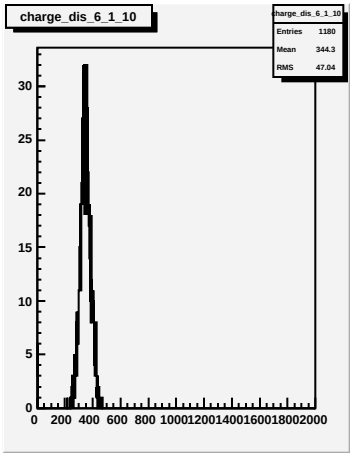
charge_dis_6_1_6
Entries 1180
Mean 655.1
RMS 64.42


charge_dis_6_1_7
charge_dis_6_1_7
Entries 1180
Mean 415.7
RMS 48.21


charge_dis_6_1_8
charge_dis_6_1_8
Entries 1180
Mean 475.7
RMS 53.55


charge_dis_6_1_9
charge_dis_6_1_9
Entries 1180
Mean 319.7
RMS 44.91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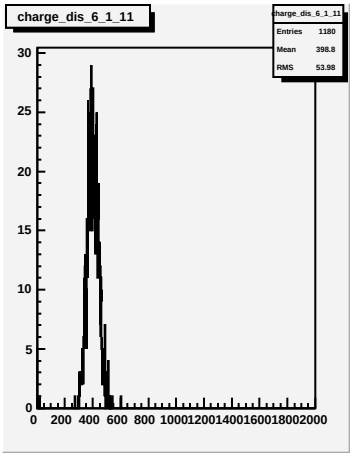
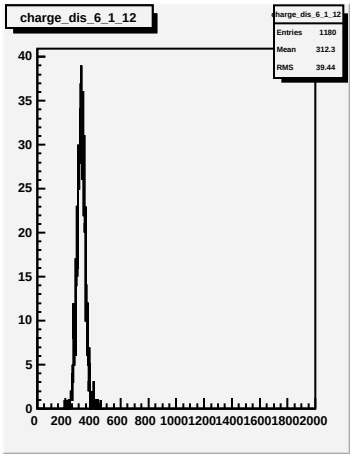
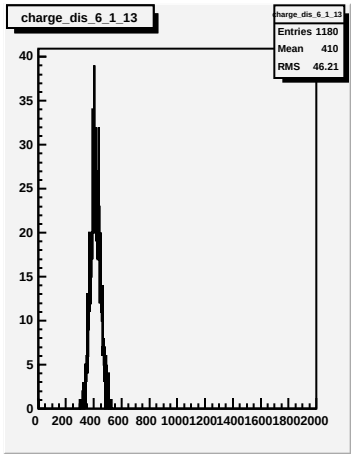
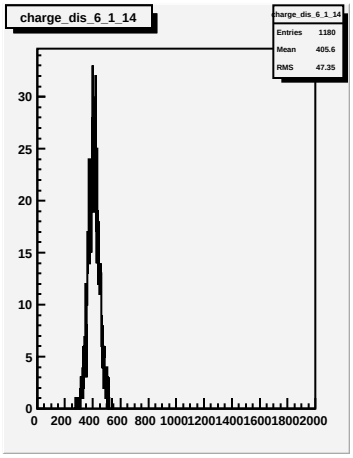
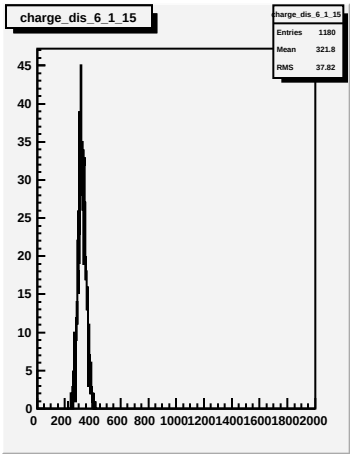
Entries 1180
Mean 344.3
RMS 47.04

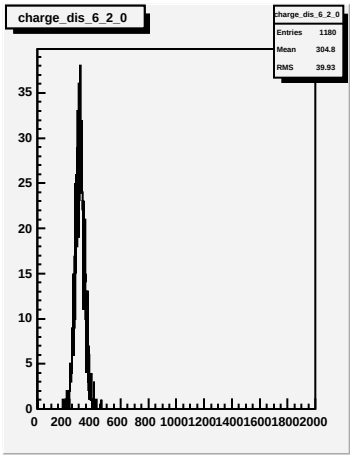

charge_dis_6_1_11
charge_dis_6_1_11
Entries 1180
Mean 398.8
RMS 53.98

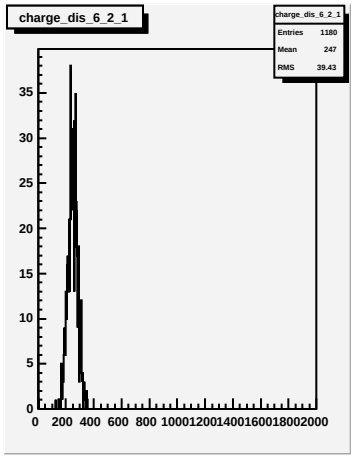

charge_dis_6_1_12
charge_dis_6_1_12
Entries 1180
Mean 312.3
RMS 39.44


charge_dis_6_1_13
charge_dis_6_1_13
Entries 1180
Mean 410
RMS 46.21


charge_dis_6_1_14
charge_dis_6_1_14
Entries 1180
Mean 405.6
RMS 47.35


charge_dis_6_1_15
charge_dis_6_1_15
Entries 1180
Mean 321.8
RMS 37.82


charge_dis_6_2_0
charge_dis_6_2_0
Entries 1180
Mean 304.8
RMS 39.93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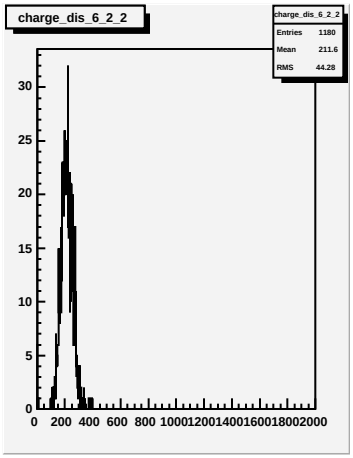
charge_dis_6_2_1
Entries 1180
Mean 247
RMS 39.43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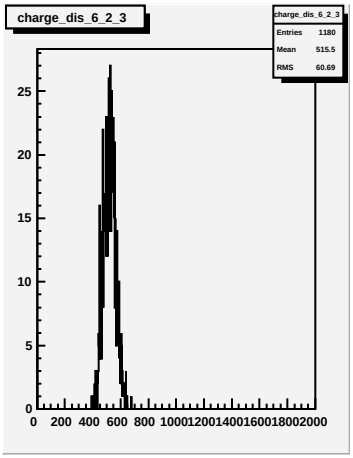
charge_dis_6_2_2
Entries 1180
Mean 211.6
RMS 44.28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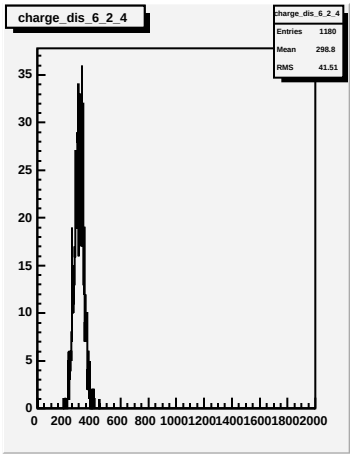
charge_dis_6_2_3
Entries 1180
Mean 515.5
RMS 60.69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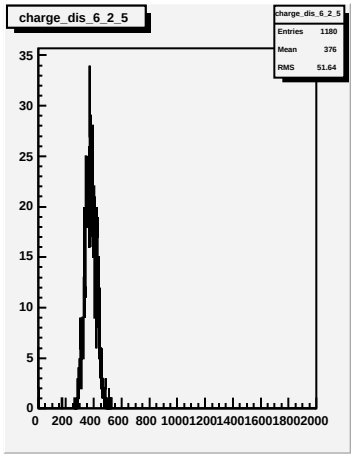
charge_dis_6_2_4
Entries 1180
Mean 298.8
RMS 41.51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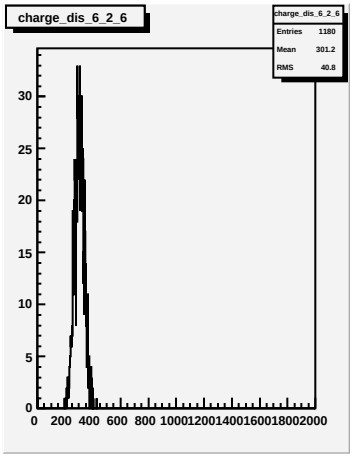
charge_dis_6_2_5
Entries 1180
Mean 376
RMS 51.64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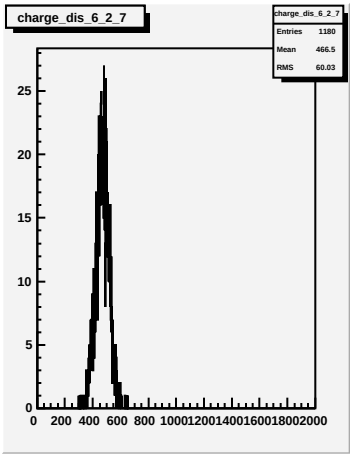
charge_dis_6_2_6
Entries 1180
Mean 301.2
RMS 40.8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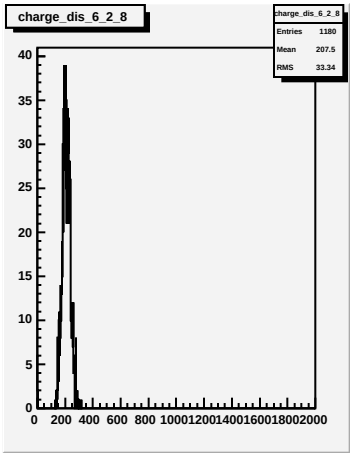
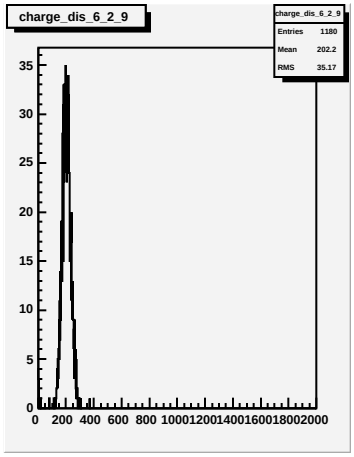
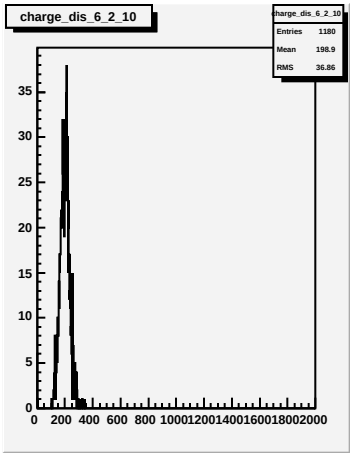
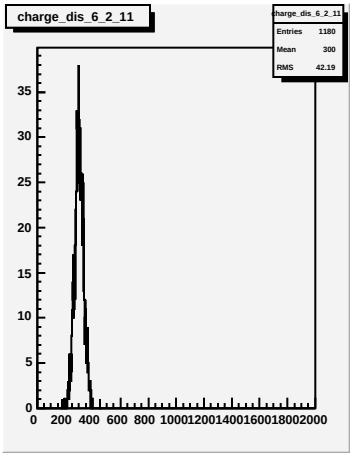
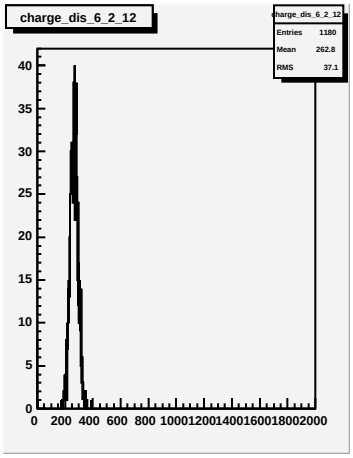
charge_dis_6_2_7
Entries 1180
Mean 466.5
RMS 60.03


charge_dis_6_2_8
charge_dis_6_2_8
Entries 1180
Mean 207.5
RMS 33.34


charge_dis_6_2_9
charge_dis_6_2_9
Entries 1180
Mean 202.2
RMS 35.17


charge_dis_6_2_10
charge_dis_6_2_10
Entries 1180
Mean 198.9
RMS 36.86


charge_dis_6_2_11
charge_dis_6_2_11
Entries 1180
Mean 300
RMS 42.19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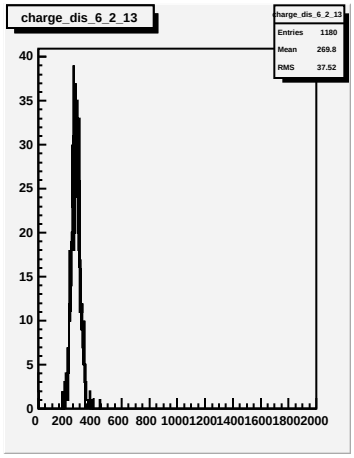
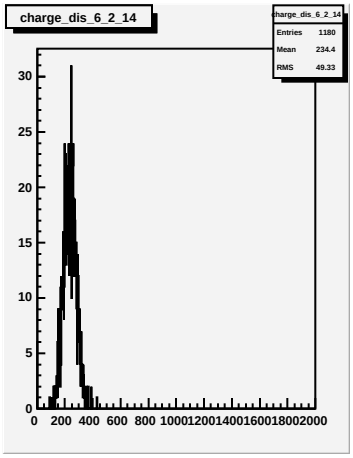
charge_dis_6_2_12
Entries 1180
Mean 262.8
RMS 37.1


charge_dis_6_2_13
charge_dis_6_2_13
Entries 1180
Mean 269.8
RMS 37.52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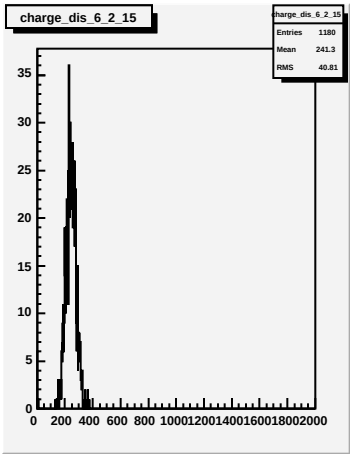
charge_dis_6_2_14
Entries 1180
Mean 234.4
RMS 49.33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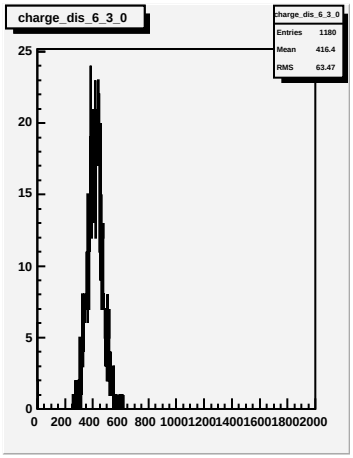
Entries 1180
Mean 241.3
RMS 40.81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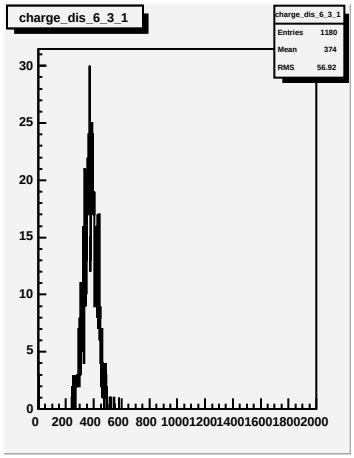
Entries 1180
Mean 416.4
RMS 63.47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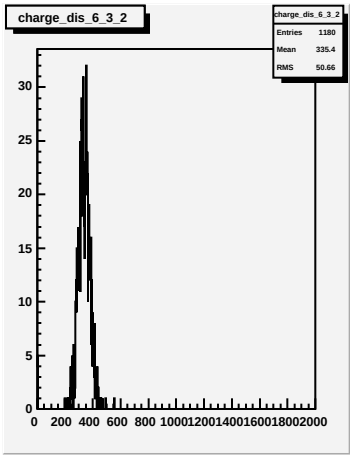
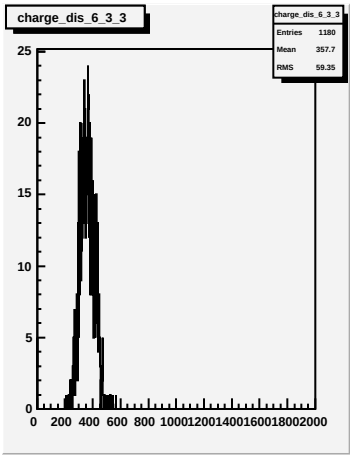
charge_dis_6_3_1
Entries 1180
Mean 374
RMS 56.92


charge_dis_6_3_2
charge_dis_6_3_2
Entries 1180
Mean 335.4
RMS 50.66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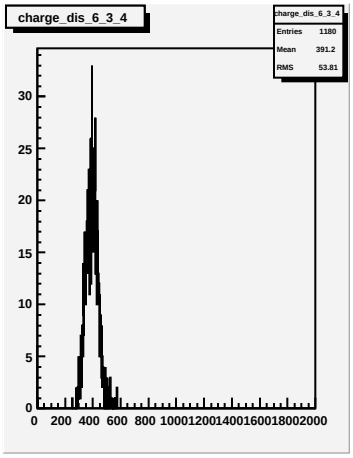
charge_dis_6_3_3
Entries 1180
Mean 357.7
RMS 59.35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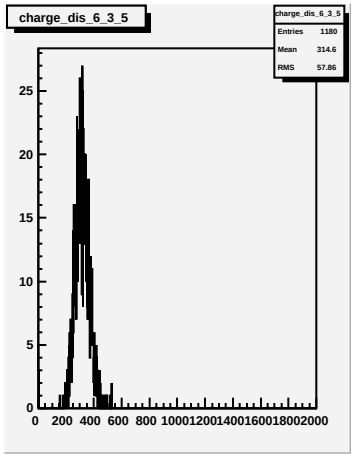
charge_dis_6_3_4
Entries 1180
Mean 391.2
RMS 53.81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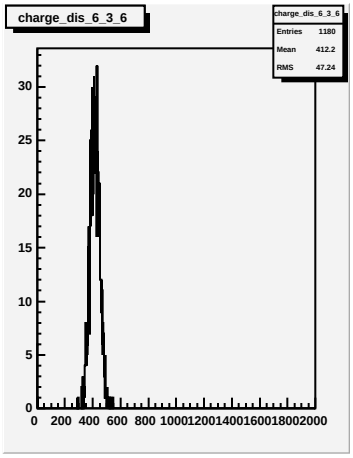
charge_dis_6_3_5
Entries 1180
Mean 314.6
RMS 57.86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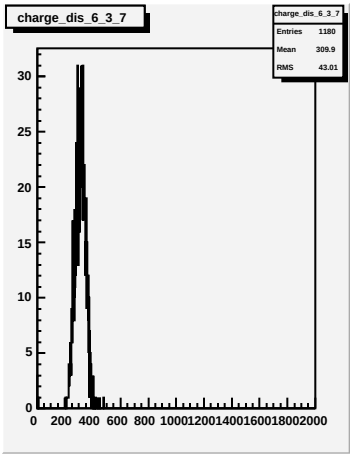
charge_dis_6_3_6
Entries 1180
Mean 412.2
RMS 47.24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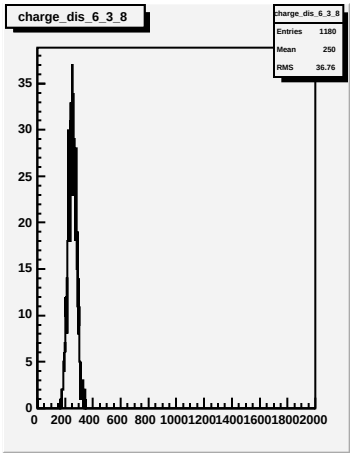
charge_dis_6_3_7
Entries 1180
Mean 309.9
RMS 43.01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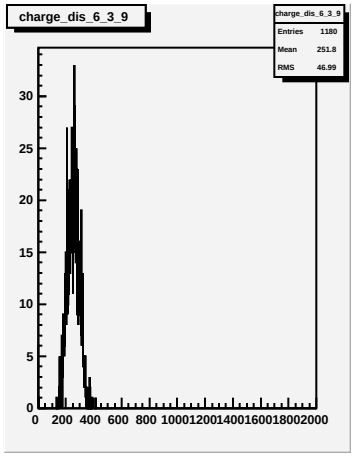
Entries 1180
Mean 250
RMS 36.76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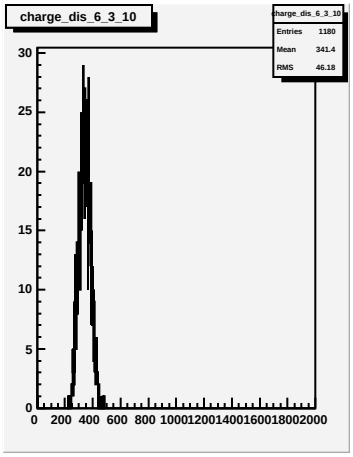
charge_dis_6_3_9
Entries 1180
Mean 251.8
RMS 46.99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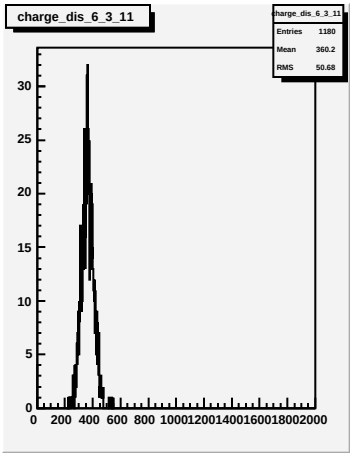
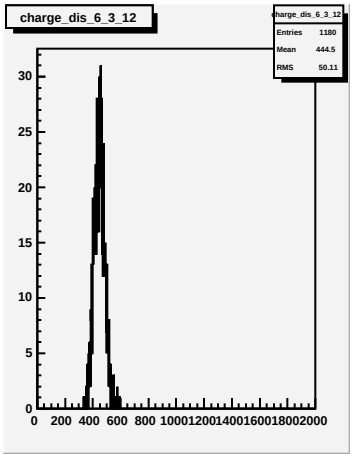
charge_dis_6_3_10
Entries 1180
Mean 341.4
RMS 46.18


charge_dis_6_3_11
charge_dis_6_3_11
Entries 1180
Mean 360.2
RMS 50.68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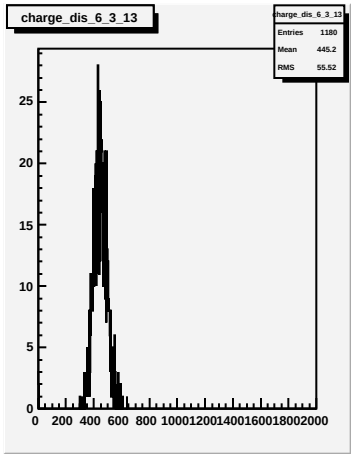
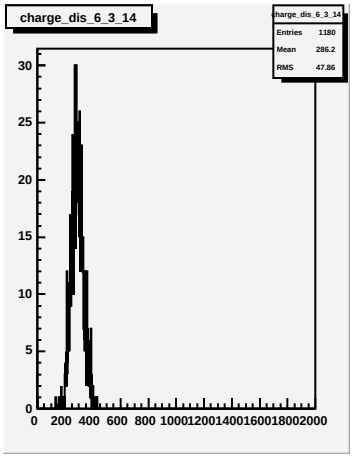
charge_dis_6_3_12
Entries 1180
Mean 444.5
RMS 50.11


charge_dis_6_3_13
charge_dis_6_3_13
Entries 1180
Mean 445.2
RMS 55.52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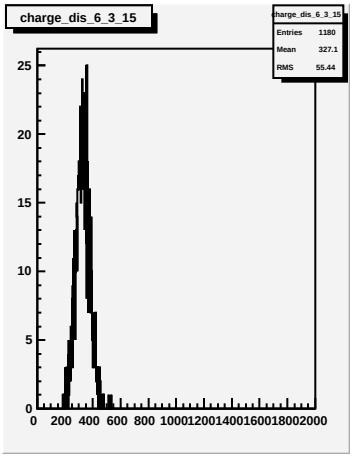
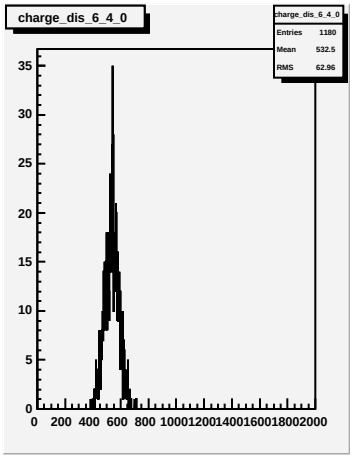
charge_dis_6_3_14
Entries 1180
Mean 286.2
RMS 47.86


charge_dis_6_3_15
charge_dis_6_3_15
Entries 1180
Mean 327.1
RMS 55.44


charge_dis_6_4_0
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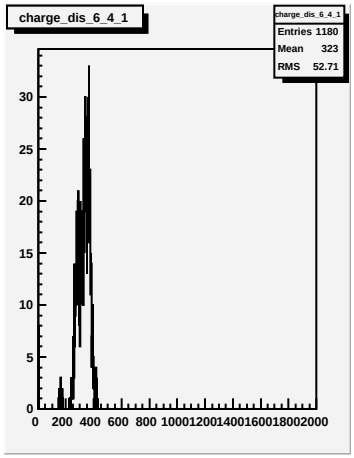
Entries 1180
Mean 532.5
RMS 62.96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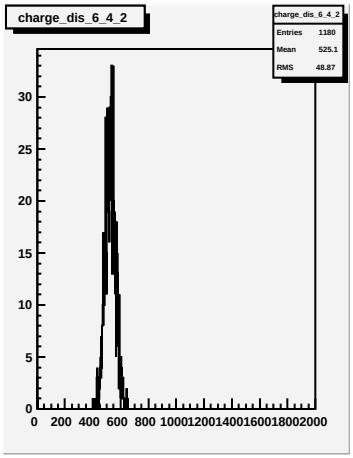
charge_dis_6_4_1
Entries 1180
Mean 323
RMS 52.71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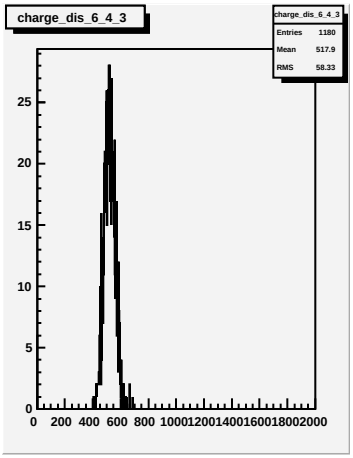
charge_dis_6_4_2
Entries 1180
Mean 525.1
RMS 48.87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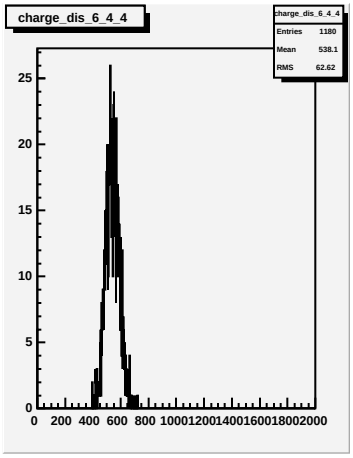
charge_dis_6_4_3
Entries 1180
Mean 517.9
RMS 58.33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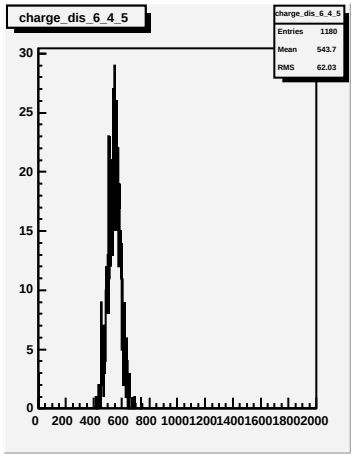
Entries 1180
Mean 538.1
RMS 62.62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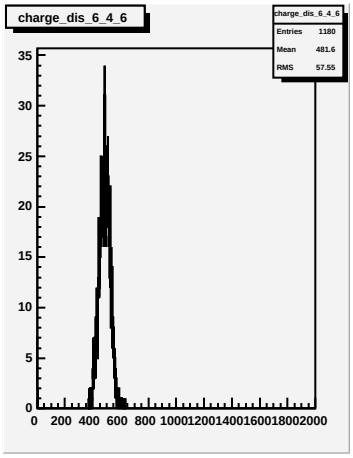
charge_dis_6_4_5
Entries 1180
Mean 543.7
RMS 62.03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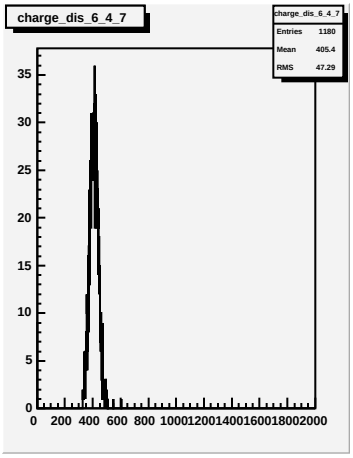
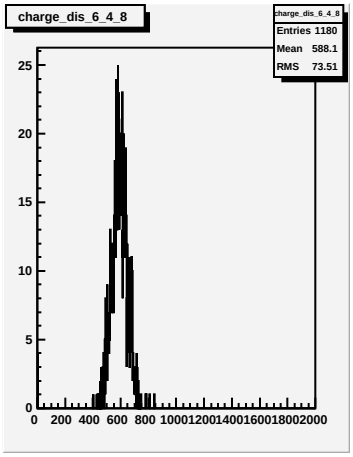
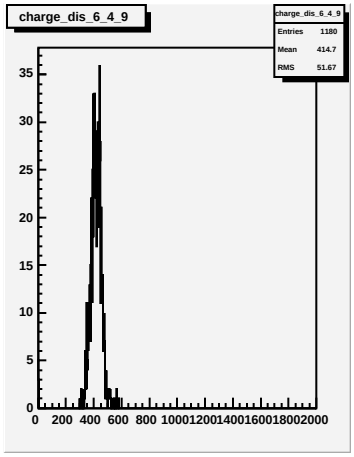
charge_dis_6_4_6
Entries 1180
Mean 481.6
RMS 57.55


charge_dis_6_4_7
charge_dis_6_4_7
Entries 1180
Mean 405.4
RMS 47.29


charge_dis_6_4_8
charge_dis_6_4_8
Entries 1180
Mean 588.1
RMS 73.51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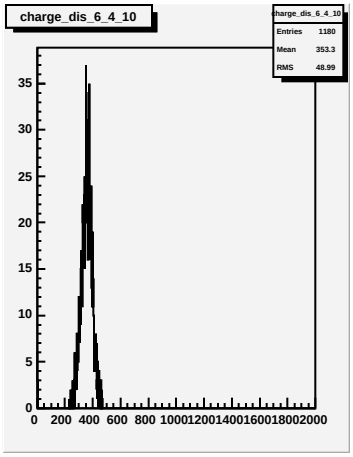
Entries 1180
Mean 414.7
RMS 51.67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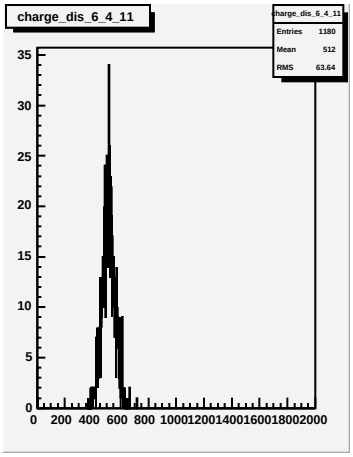
charge_dis_6_4_10
Entries 1180
Mean 353.3
RMS 48.99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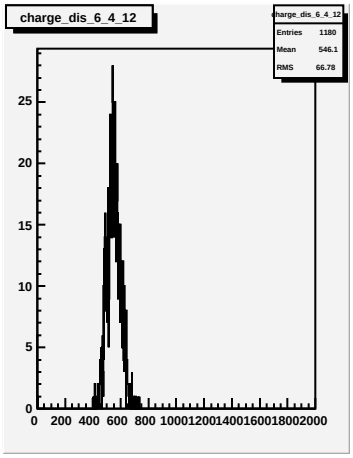
Mean 512
RMS 63.64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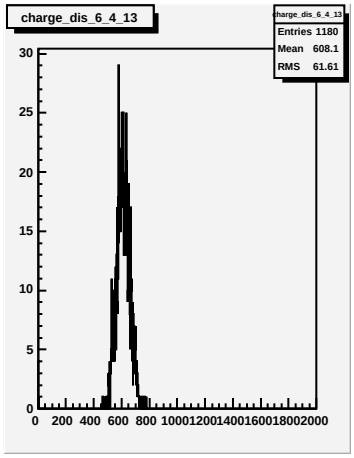
charge_dis_6_4_12
Entries 1180
Mean 546.1
RMS 66.78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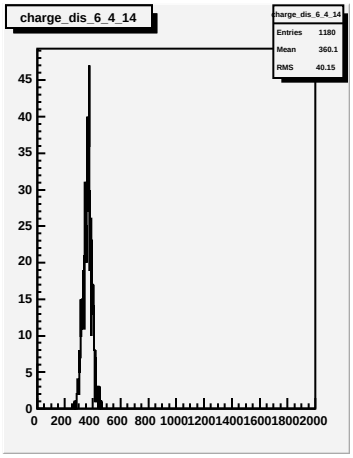
Entries 1180
Mean 608.1
RMS 61.61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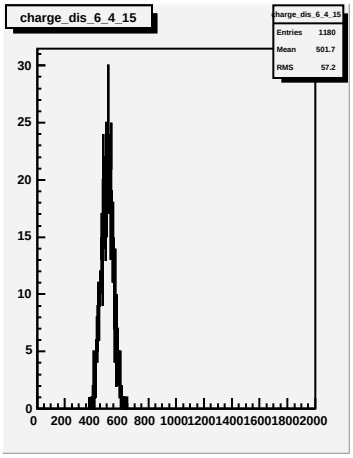
Entries 1180
Mean 360.1
RMS 40.15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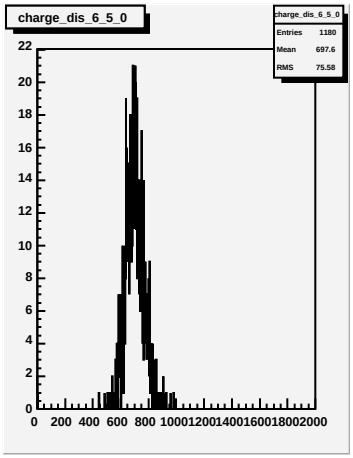
charge_dis_6_4_15
Entries 1180
Mean 501.7
RMS 57.2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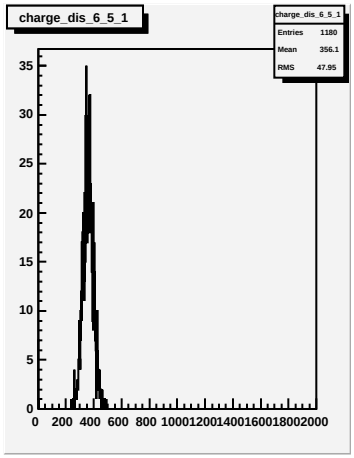
charge_dis_6_5_0
Entries 1180
Mean 697.6
RMS 75.58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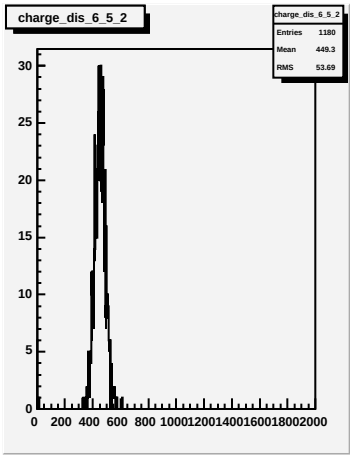
Entries 1180
Mean 356.1
RMS 47.95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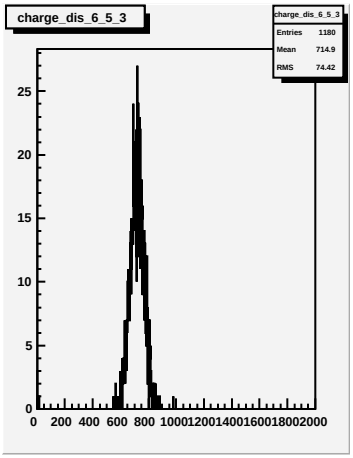
charge_dis_6_5_2
Entries 1180
Mean 449.3
RMS 53.69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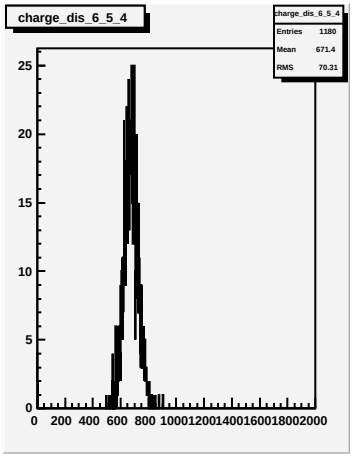
charge_dis_6_5_3
Entries 1180
Mean 714.9
RMS 74.42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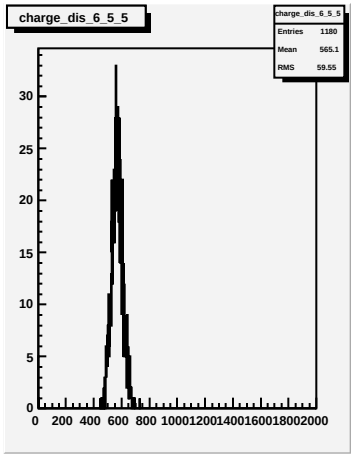
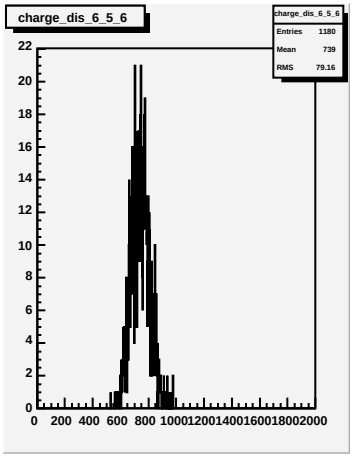
Entries 1180
Mean 671.4
RMS 70.31


charge_dis_6_5_5
charge_dis_6_5_5
Entries 1180
Mean 565.1
RMS 59.55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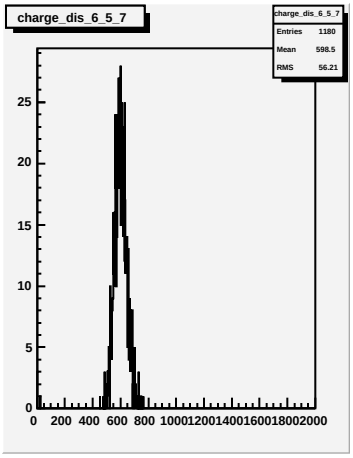
charge_dis_6_5_6
Entries 1180
Mean 739
RMS 79.16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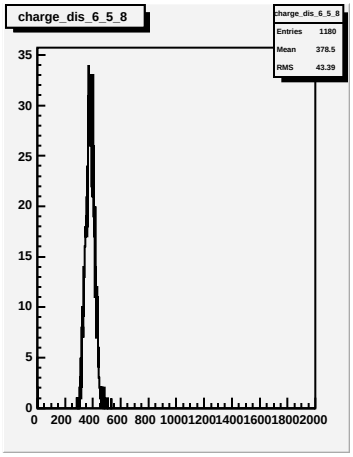
Entries 1180
Mean 598.5
RMS 56.21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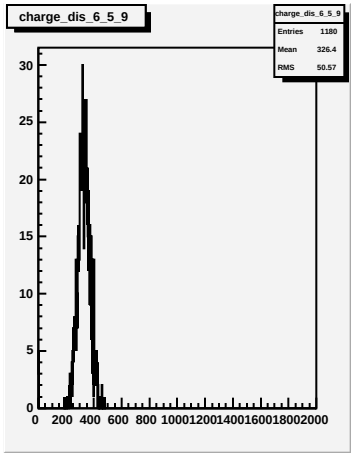
Entries 1180
Mean 378.5
RMS 43.39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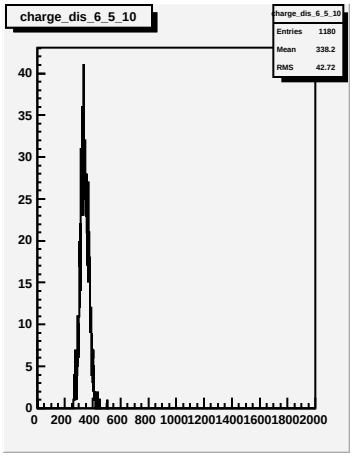
Entries 1180
Mean 326.4
RMS 50.57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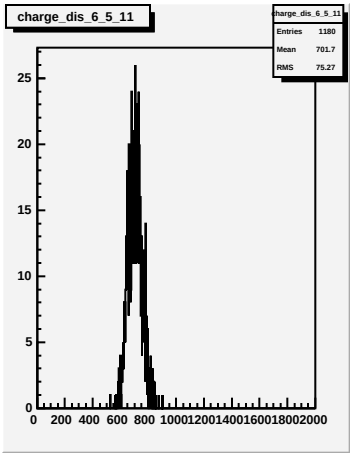
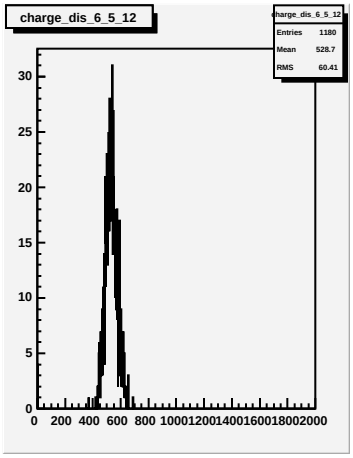
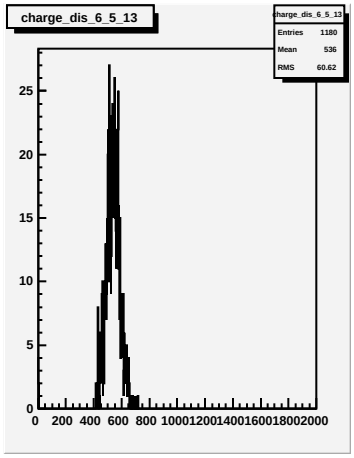
charge_dis_6_5_10
Entries 1180
Mean 338.2
RMS 42.72


charge_dis_6_5_11
charge_dis_6_5_11
Entries 1180
Mean 701.7
RMS 75.27


charge_dis_6_5_12
charge_dis_6_5_12
Entries 1180
Mean 528.7
RMS 60.41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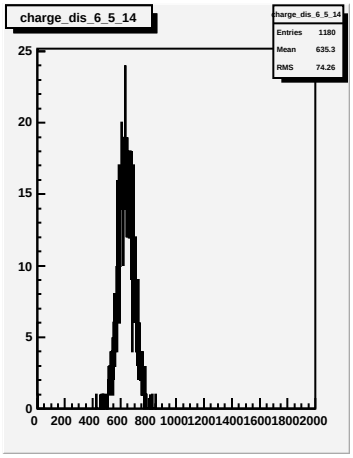
Entries 1180
Mean 536
RMS 60.62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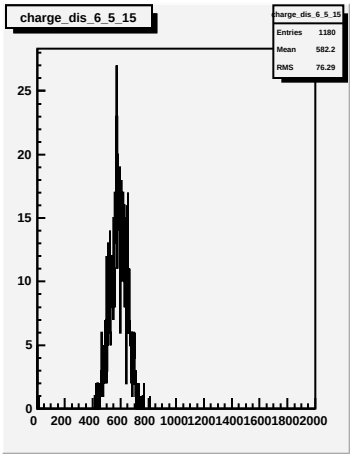
Entries 1180
Mean 635.3
RMS 74.26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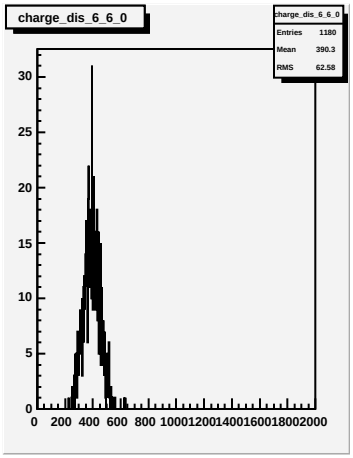
Entries 1180
Mean 582.2
RMS 76.29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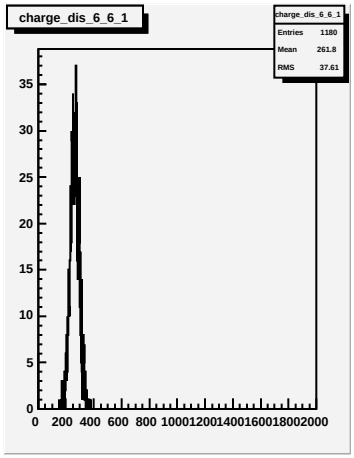
Entries 1180
Mean 390.3
RMS 62.58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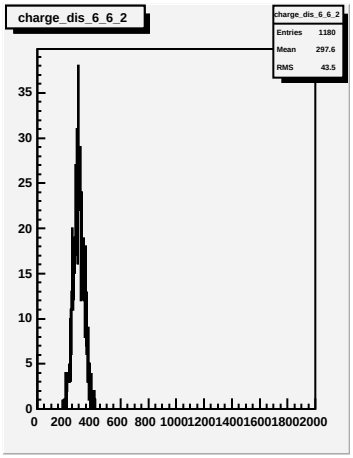
Entries 1180
Mean 261.8
RMS 37.61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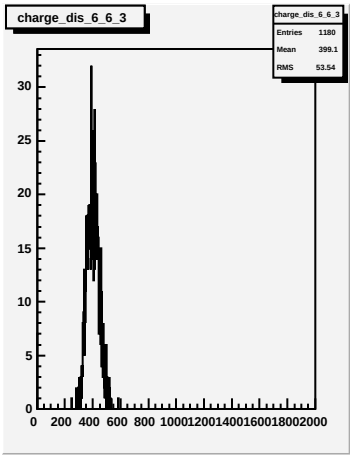
Entries 1180
Mean 297.6
RMS 43.5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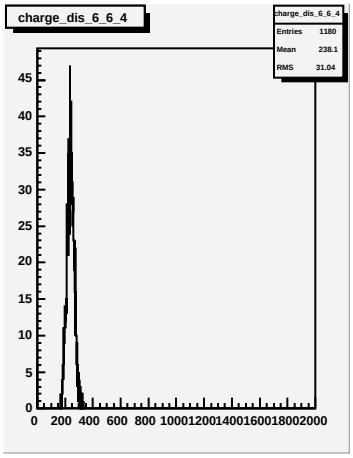
Entries 1180
Mean 399.1
RMS 53.54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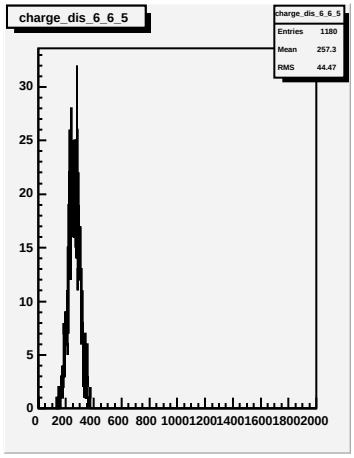
Entries 1180
Mean 238.1
RMS 31.04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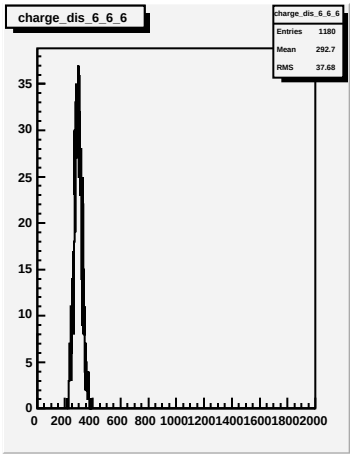
Entries 1180
Mean 257.3
RMS 44.47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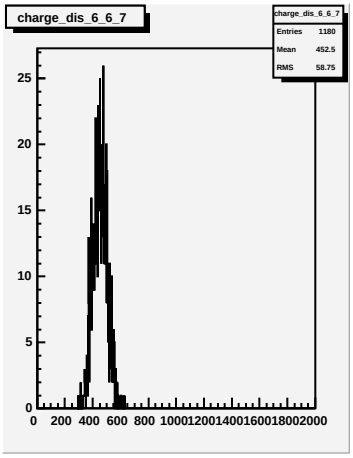
Entries 1180
Mean 292.7
RMS 37.68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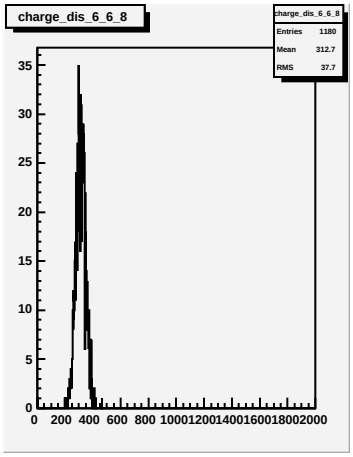
Entries 1180
Mean 452.5
RMS 58.75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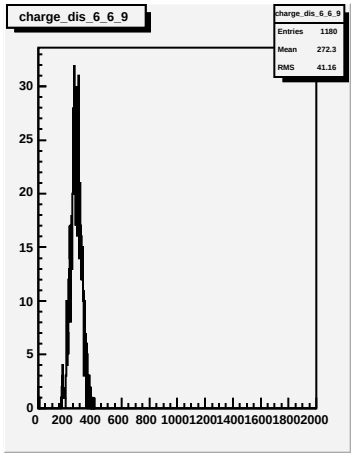
charge_dis_6_6_8
Entries 1180
Mean 312.7
RMS 37.7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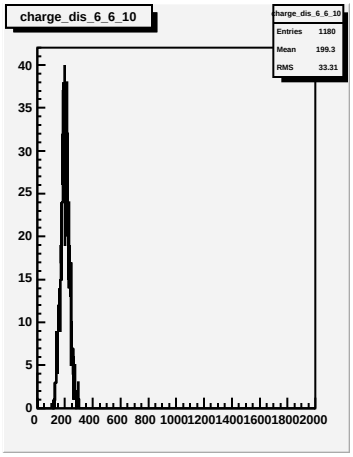
charge_dis_6_6_9
Entries 1180
Mean 272.3
RMS 41.16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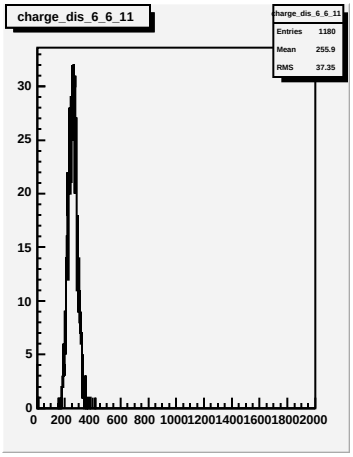
charge_dis_6_6_10
Entries 1180
Mean 199.3
RMS 33.31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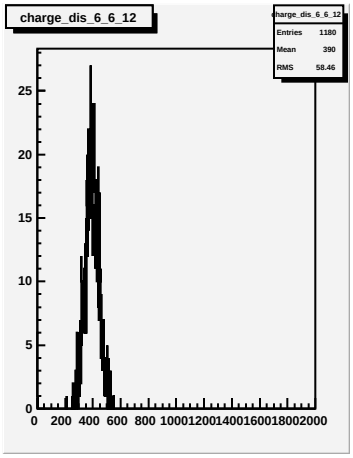
charge_dis_6_6_11
Entries 1180
Mean 255.9
RMS 37.35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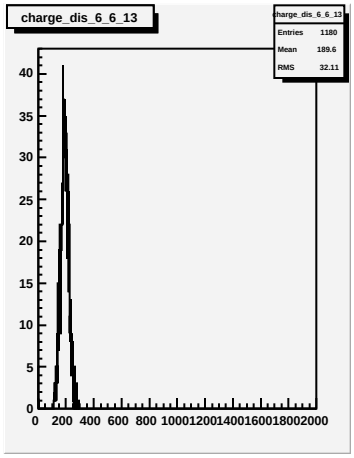
Entries 1180
Mean 390
RMS 58.46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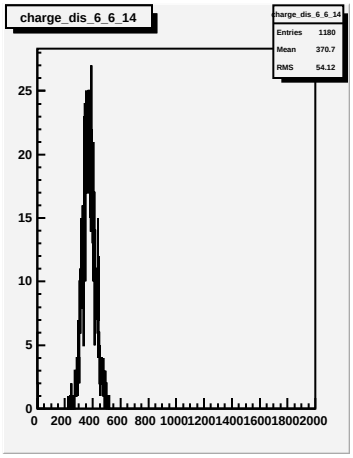
Entries 1180
Mean 189.6
RMS 32.11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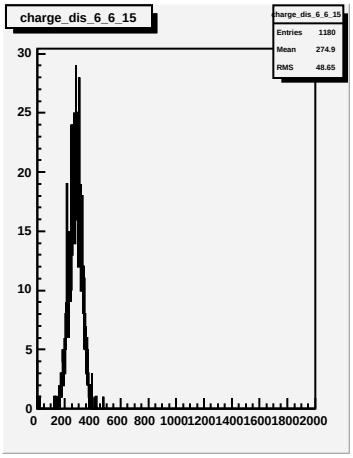
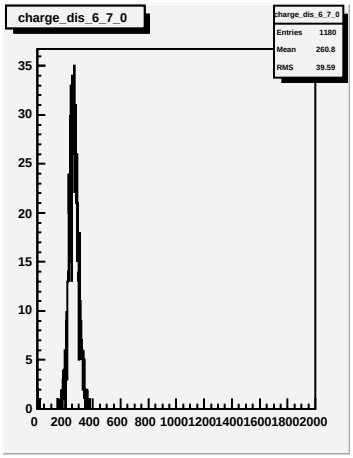
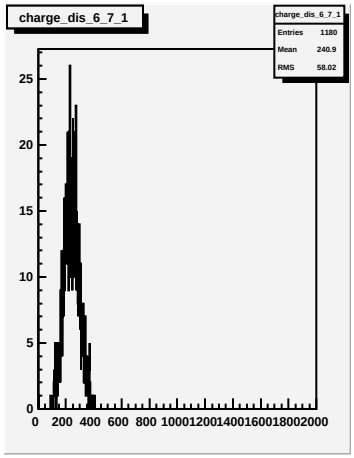
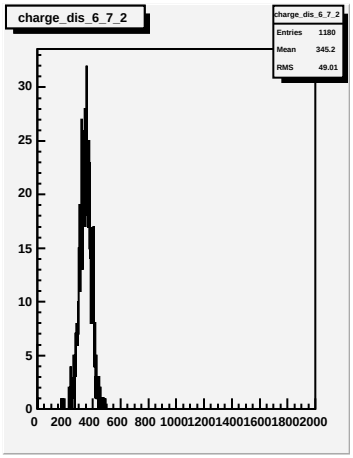
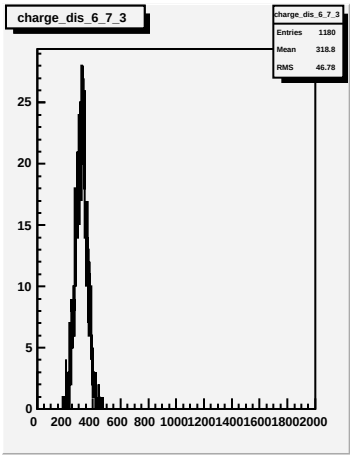
charge_dis_6_6_14
Entries 1180
Mean 370.7
RMS 54.12

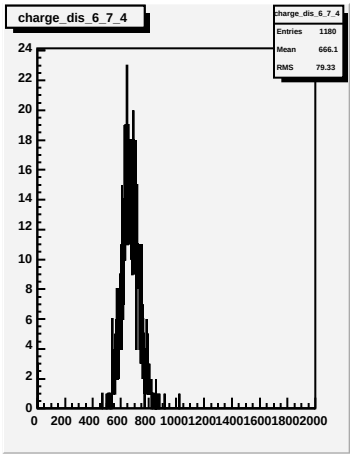

charge_dis_6_6_15
charge_dis_6_6_15
Entries 1180
Mean 274.9
RMS 48.65

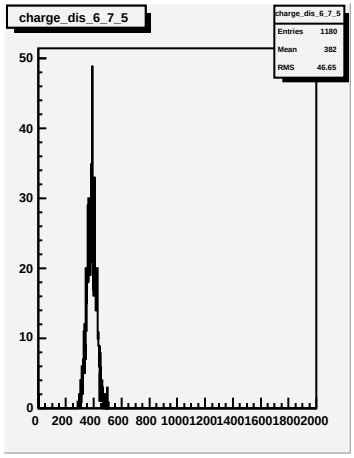

charge_dis_6_7_0
charge_dis_6_7_0
Entries 1180
Mean 260.8
RMS 39.59

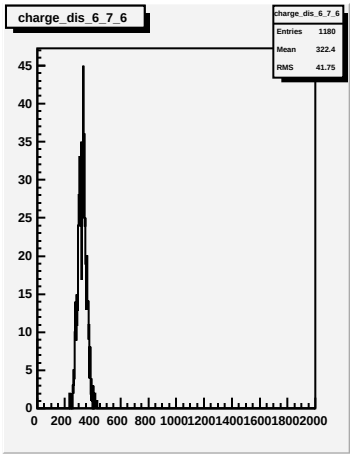

charge_dis_6_7_1
charge_dis_6_7_1
Entries 1180
Mean 240.9
RMS 58.02


charge_dis_6_7_2
charge_dis_6_7_2
Entries 1180
Mean 345.2
RMS 49.01


charge_dis_6_7_3
charge_dis_6_7_3
Entries 1180
Mean 318.8
RMS 46.78


charge_dis_6_7_4
charge_dis_6_7_4
Entries 1180
Mean 666.1
RMS 79.33


charge_dis_6_7_5
charge_dis_6_7_5
Entries 1180
Mean 382
RMS 46.65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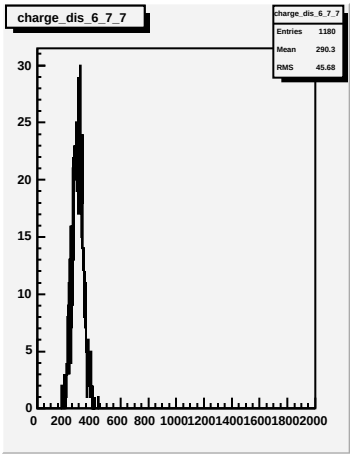
charge_dis_6_7_6
Entries 1180
Mean 322.4
RMS 41.75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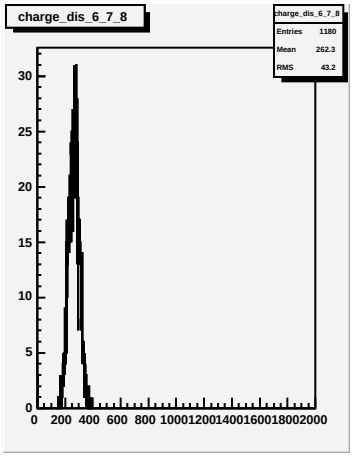
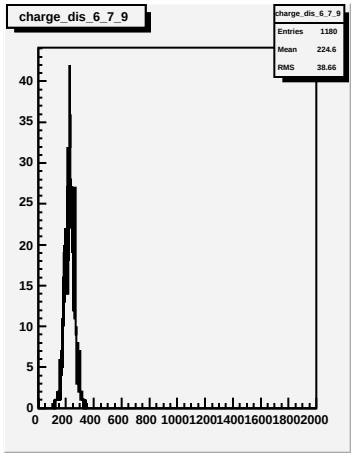
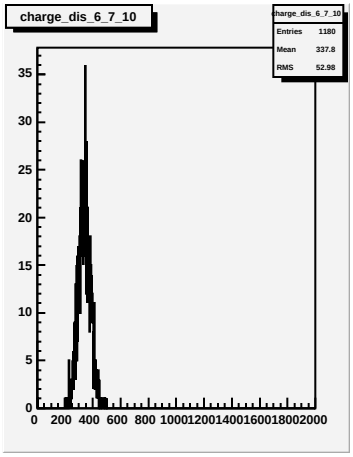
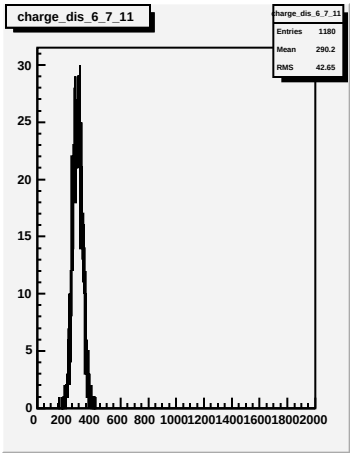
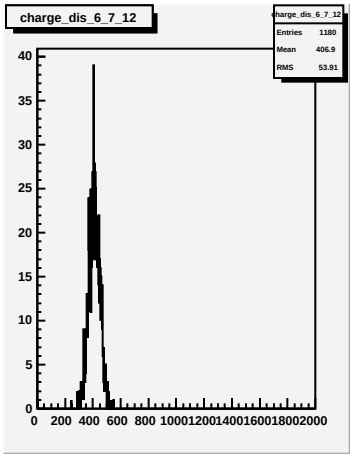
charge_dis_6_7_7
Entries 1180
Mean 290.3
RMS 45.68


charge_dis_6_7_8
charge_dis_6_7_8
Entries 1180
Mean 262.3
RMS 43.2


charge_dis_6_7_9
charge_dis_6_7_9
Entries 1180
Mean 224.6
RMS 38.66


charge_dis_6_7_10
charge_dis_6_7_10
Entries 1180
Mean 337.8
RMS 52.98


charge_dis_6_7_11
charge_dis_6_7_11
Entries 1180
Mean 290.2
RMS 42.65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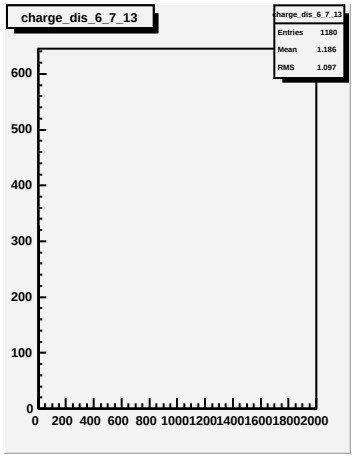
charge_dis_6_7_12
Entries 1180
Mean 406.9
RMS 53.91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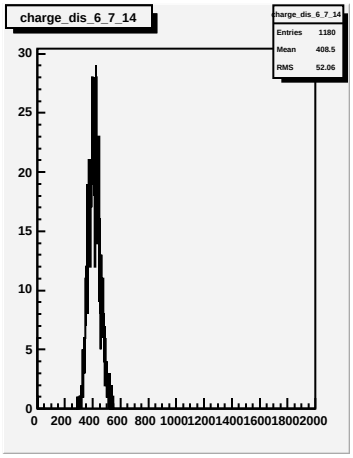
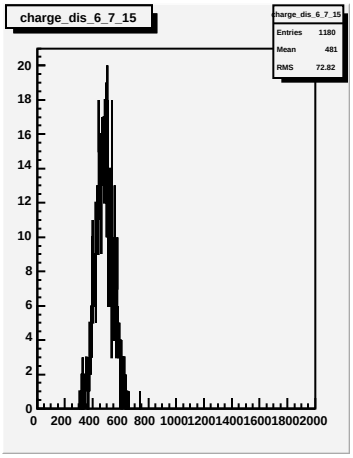
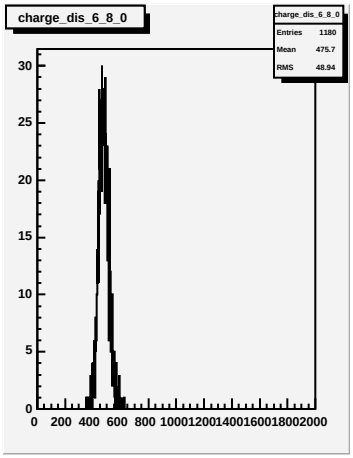
charge_dis_6_7_13
Entries 1180
Mean 1.186
RMS 1.097


charge_dis_6_7_14
charge_dis_6_7_14
Entries 1180
Mean 408.5
RMS 52.06


charge_dis_6_7_15
charge_dis_6_7_15
Entries 1180
Mean 481
RMS 72.82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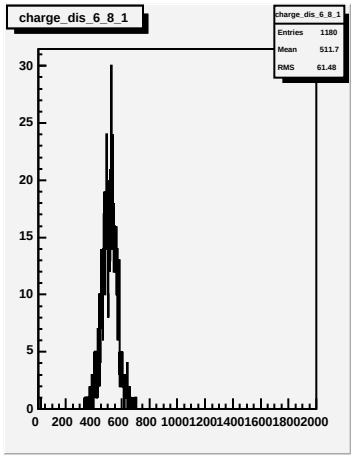
charge_dis_6_8_0
Entries 1180
Mean 475.7
RMS 48.94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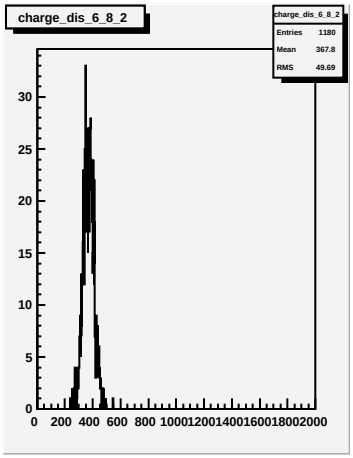
charge_dis_6_8_1
Entries 1180
Mean 511.7
RMS 61.48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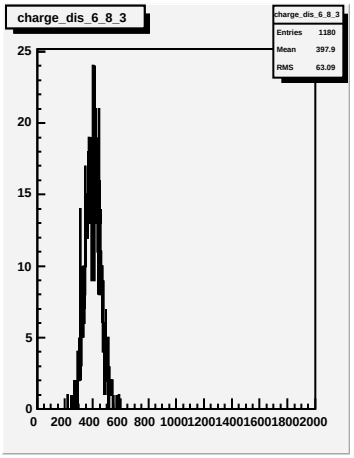
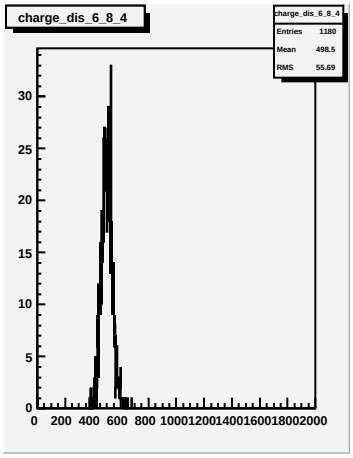
charge_dis_6_8_2
Entries 1180
Mean 367.8
RMS 49.69


charge_dis_6_8_3
charge_dis_6_8_3
Entries 1180
Mean 397.9
RMS 63.09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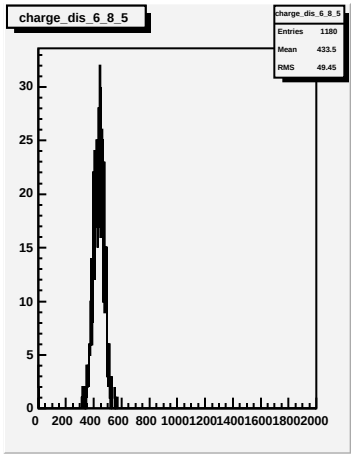
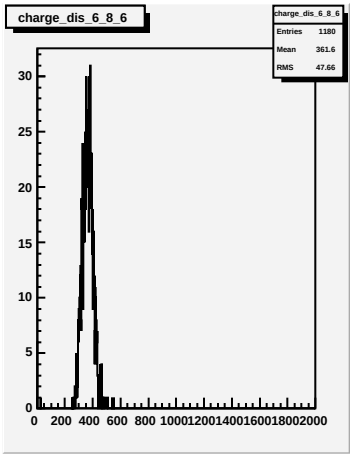
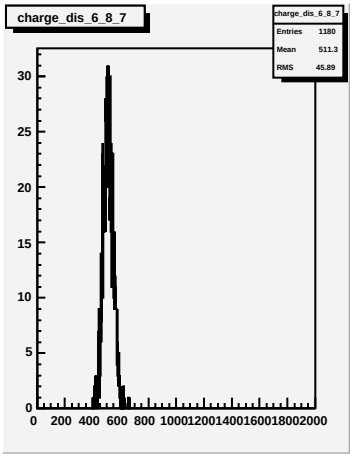
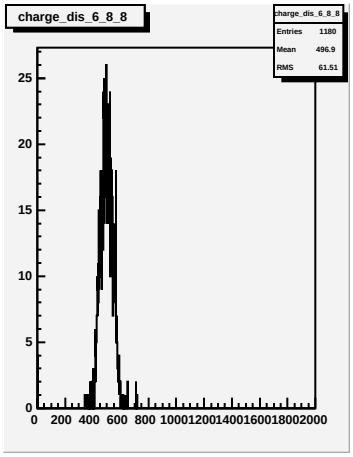
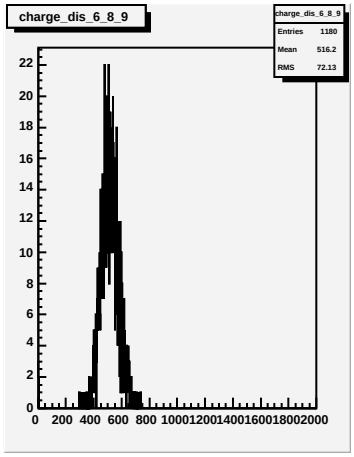
charge_dis_6_8_4
Entries 1180
Mean 498.5
RMS 55.69

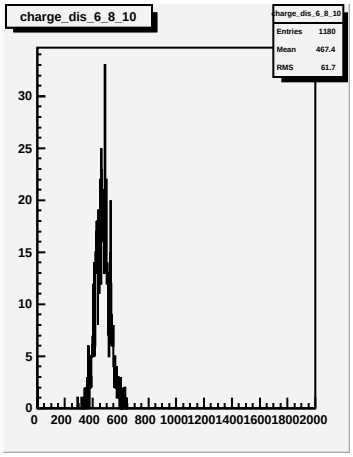

charge_dis_6_8_5
charge_dis_6_8_5
Entries 1180
Mean 433.5
RMS 49.45

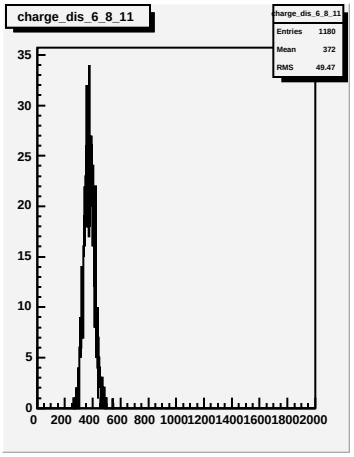

charge_dis_6_8_6
charge_dis_6_8_6
Entries 1180
Mean 361.6
RMS 47.66

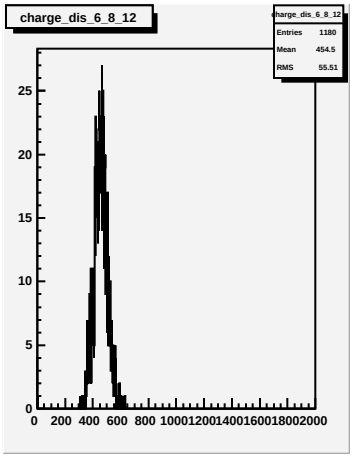

charge_dis_6_8_7
charge_dis_6_8_7
Entries 1180
Mean 511.3
RMS 45.89

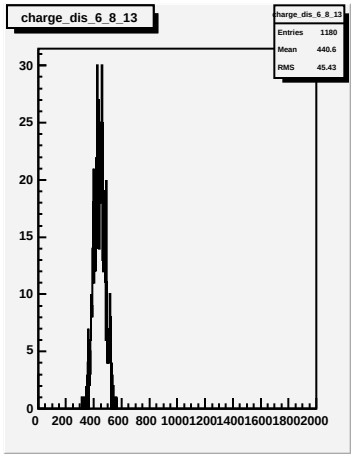

charge_dis_6_8_8
charge_dis_6_8_8
Entries 1180
Mean 496.9
RMS 61.51

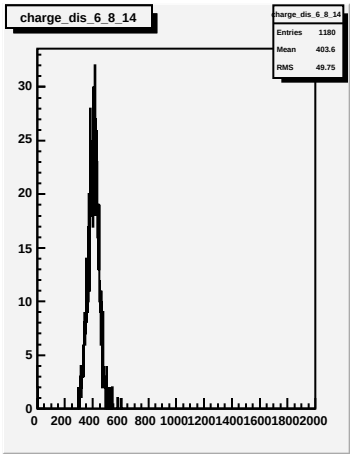

charge_dis_6_8_9
charge_dis_6_8_9
Entries 1180
Mean 516.2
RMS 72.13


charge_dis_6_8_10
charge_dis_6_8_10
Entries 1180
Mean 467.4
RMS 61.7


charge_dis_6_8_11
charge_dis_6_8_11
Entries 1180
Mean 372
RMS 49.47


charge_dis_6_8_12
charge_dis_6_8_12
Entries 1180
Mean 454.5
RMS 55.51


charge_dis_6_8_13
charge_dis_6_8_13
Entries 1180
Mean 440.6
RMS 45.43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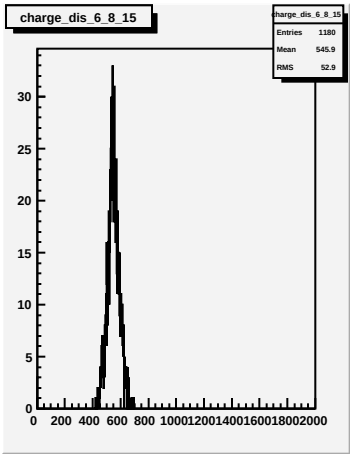
charge_dis_6_8_14
Entries 1180
Mean 403.6
RMS 49.75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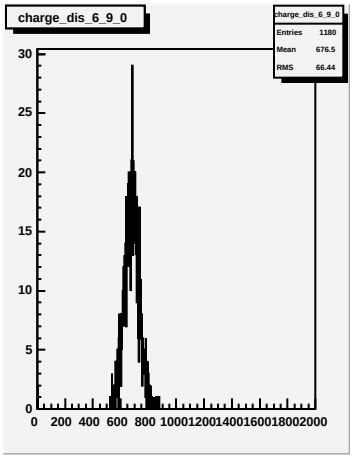
charge_dis_6_8_15
Entries 1180
Mean 545.9
RMS 52.9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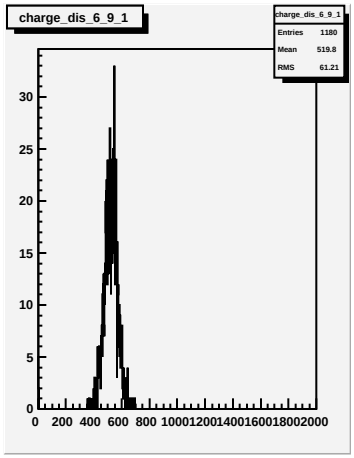
Entries 1180
Mean 676.5
RMS 66.44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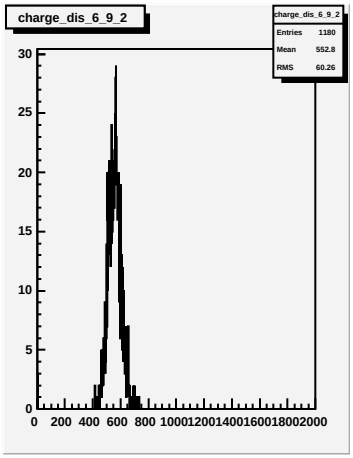
Entries 1180
Mean 519.8
RMS 61.21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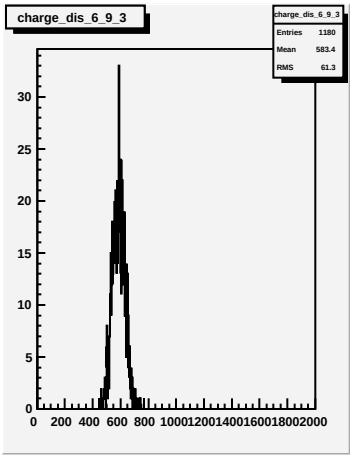
Entries 1180
Mean 552.8
RMS 60.26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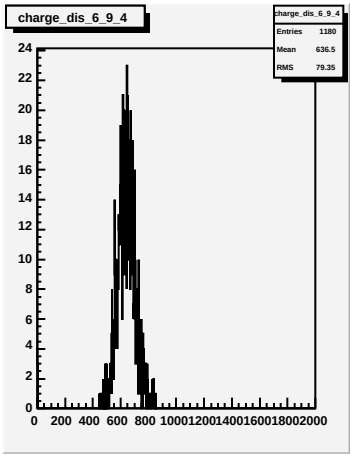
Entries 1180
Mean 583.4
RMS 61.3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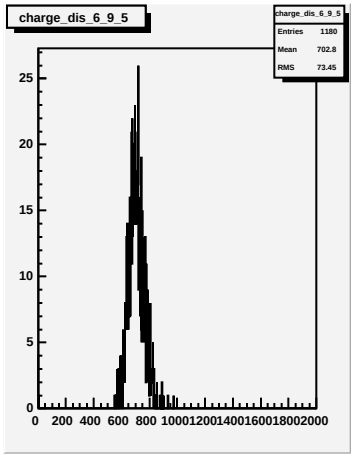
charge_dis_6_9_4
Entries 1180
Mean 636.5
RMS 79.35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charge_dis_6_9_5
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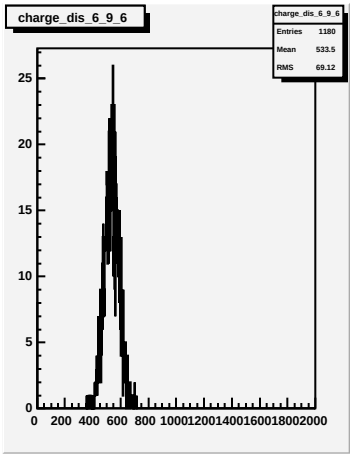
Mean 702.8
RMS 73.45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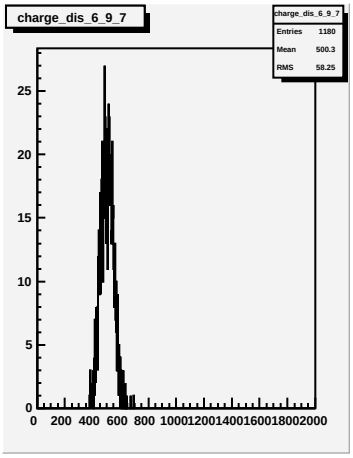
Entries 1180
Mean 533.5
RMS 69.12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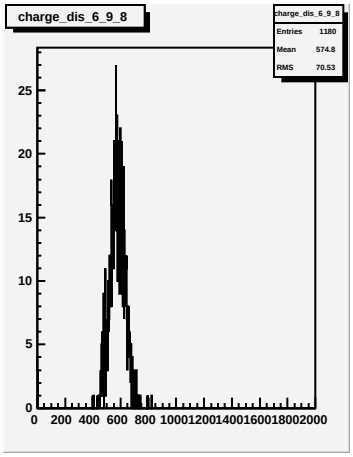
Entries 1180
Mean 500.3
RMS 58.25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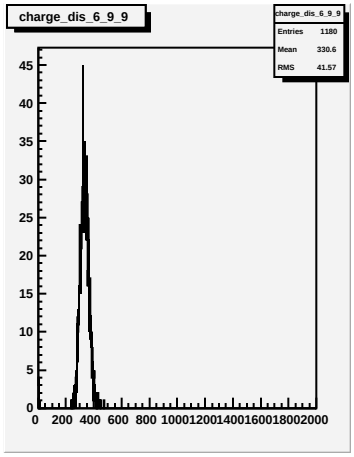
charge_dis_6_9_8
Entries 1180
Mean 574.8
RMS 70.53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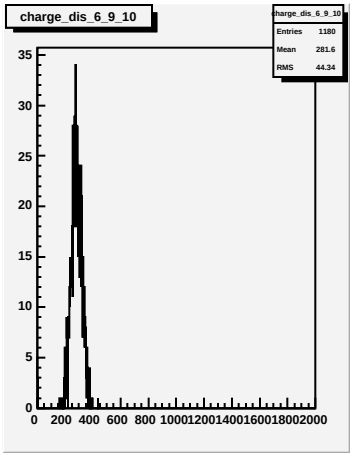
charge_dis_6_9_9
Entries 1180
Mean 330.6
RMS 41.57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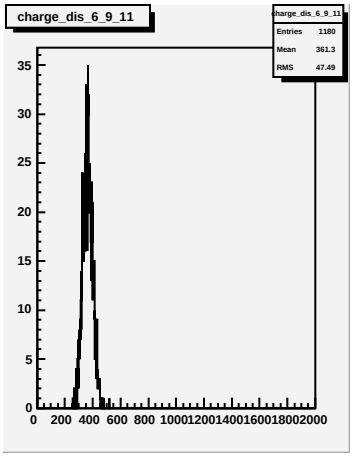
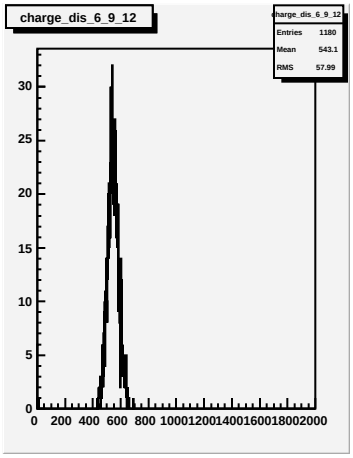
Entries 1180
Mean 281.6
RMS 44.34


charge_dis_6_9_11
charge_dis_6_9_11
Entries 1180
Mean 361.3
RMS 47.49


charge_dis_6_9_12
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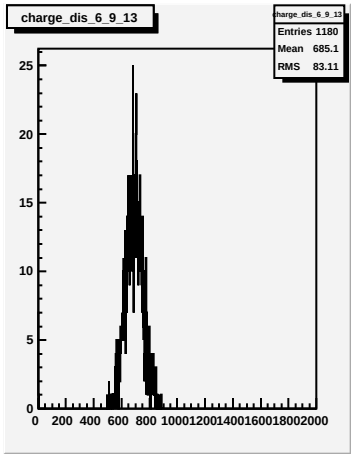
Entries 1180
Mean 543.1
RMS 57.99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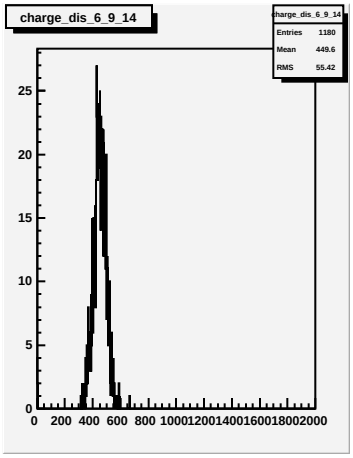
Entries 1180
Mean 685.1
RMS 83.11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Entries 1180
Mean 449.6
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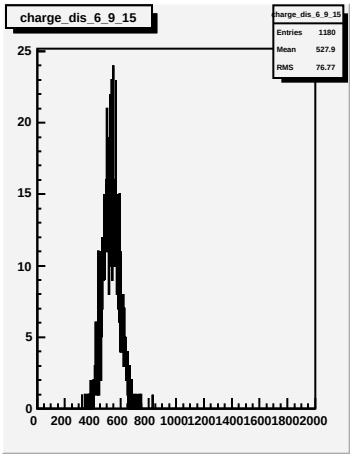
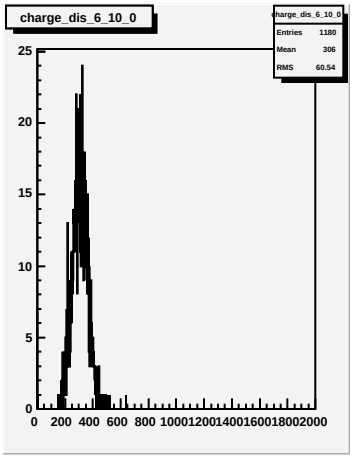
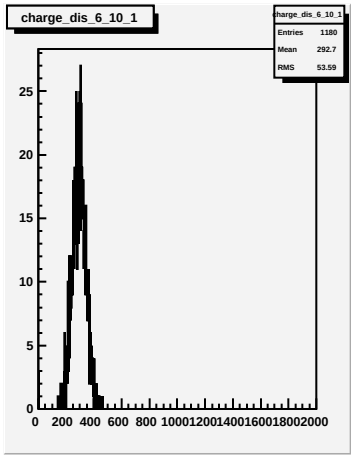
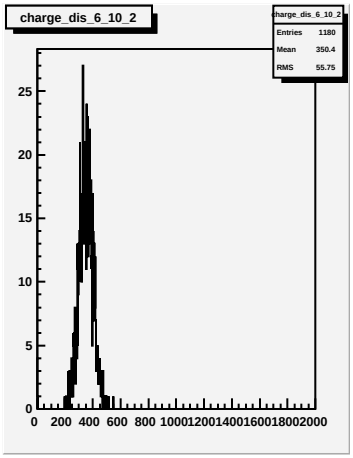
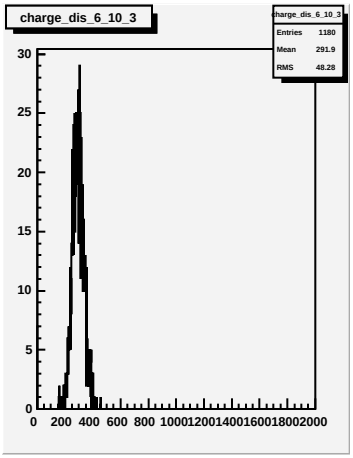
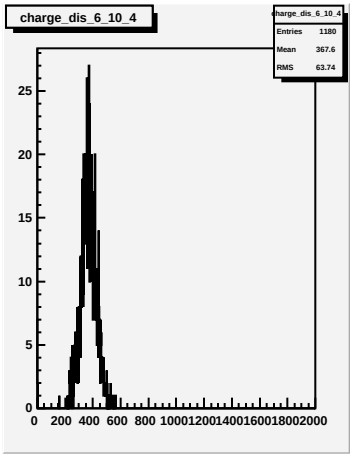

charge_dis_6_9_15
charge_dis_6_9_15
Entries 1180
Mean 527.9
RMS 76.77

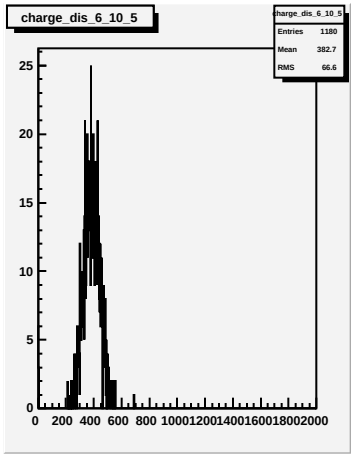

charge_dis_6_10_0
Entries 1180
Mean 306
RMS 60.54


charge_dis_6_10_1
Entries 1180
Mean 292.7
RMS 53.59


charge_dis_6_10_2
Entries 1180
Mean 350.4
RMS 55.75


charge_dis_6_10_3
Entries 1180
Mean 291.9
RMS 48.28


charge_dis_6_10_4
Entries 1180
Mean 367.6
RMS 63.74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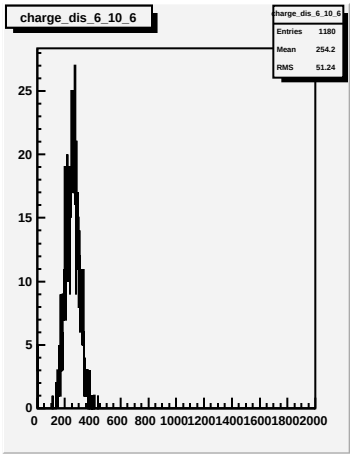
Entries 1180
Mean 382.7
RMS 66.6


charge_dis_6_10_6
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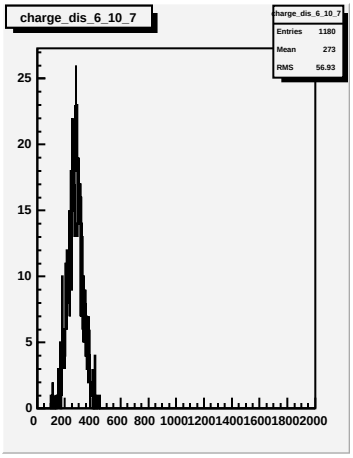
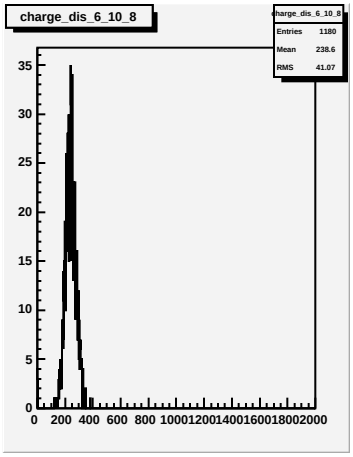
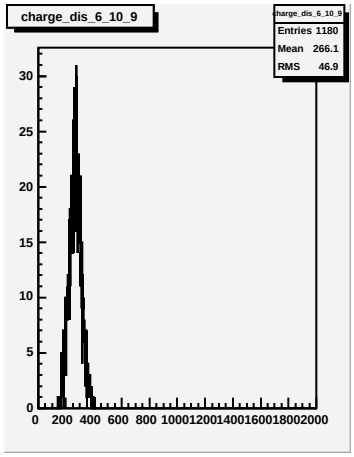
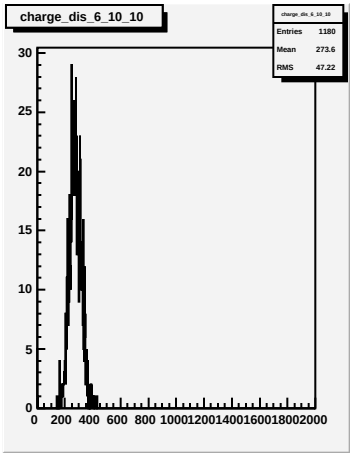
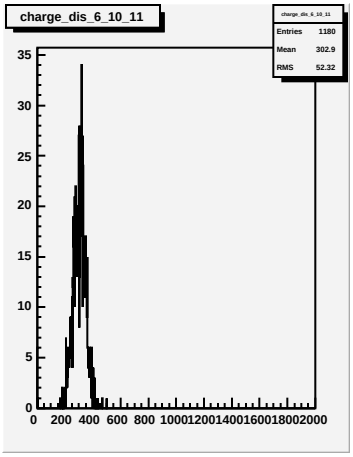
Mean 254.2
RMS 51.24

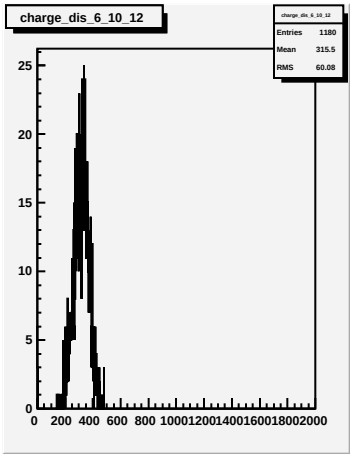

charge_dis_6_10_7
Entries 1180
Mean 273
RMS 56.93


charge_dis_6_10_8
Entries 1180
Mean 238.6
RMS 41.07


charge_dis_6_10_9
Entries 1180
Mean 266.1
RMS 46.9


charge_dis_6_10_10
Entries 1180
Mean 273.6
RMS 47.22


charge_dis_6_10_11
Entries 1180
Mean 302.9
RMS 52.32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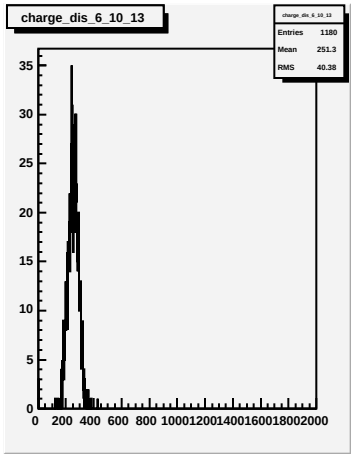
Entries 1180
Mean 315.5
RMS 60.08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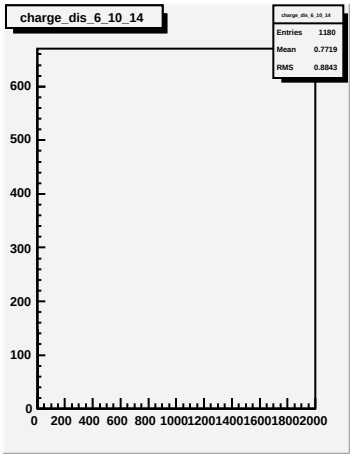
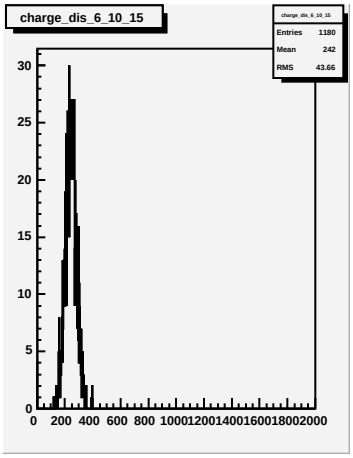
Entries 1180
Mean 251.3
RMS 40.38


charge_dis_6_10_14
Entries 1180
Mean 0.7719
RMS 0.8843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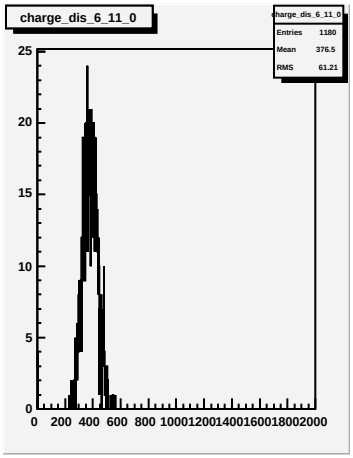
Entries 1180
Mean 242
RMS 43.66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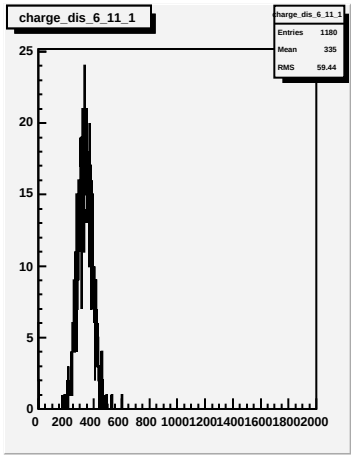
charge_dis_6_11_0
Entries 1180
Mean 376.5
RMS 61.21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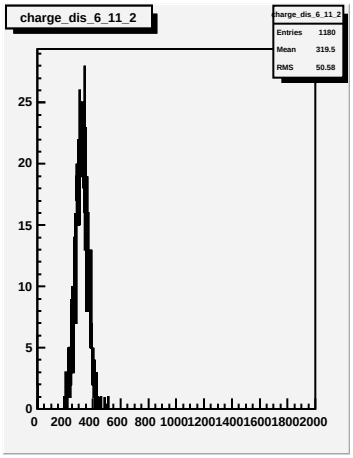
charge_dis_6_11_1
Entries 1180
Mean 335
RMS 59.44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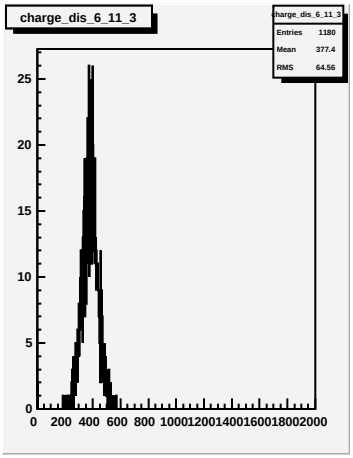
charge_dis_6_11_2
Entries 1180
Mean 319.5
RMS 50.58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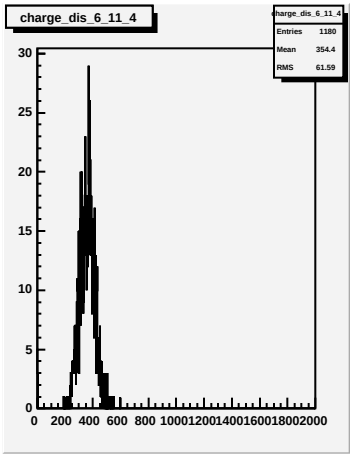
charge_dis_6_11_3
Entries 1180
Mean 377.4
RMS 64.56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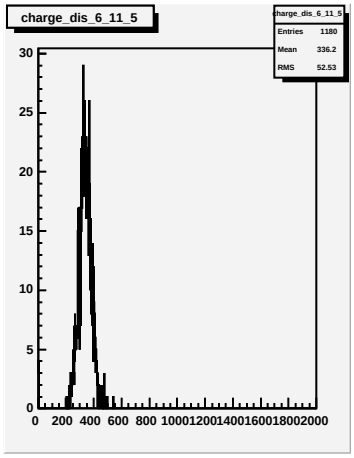
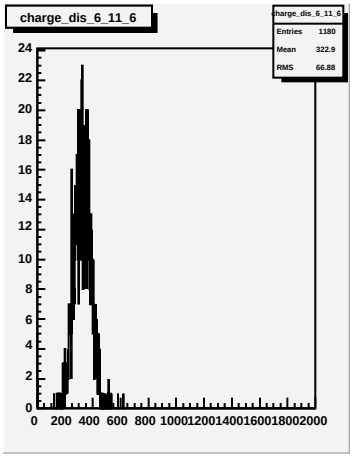
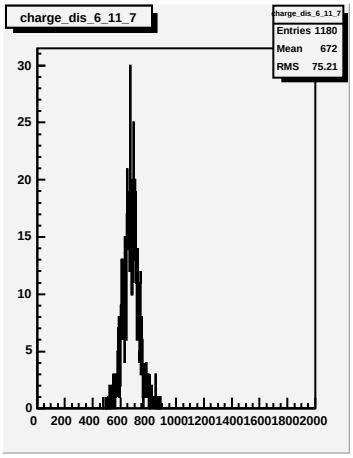
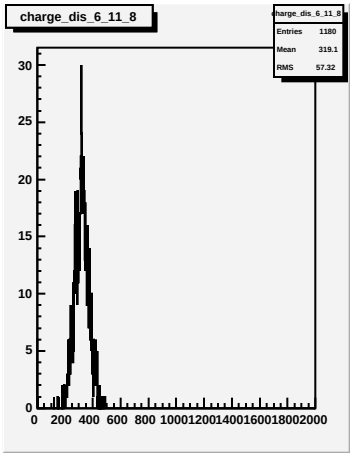
charge_dis_6_11_4
Entries 1180
Mean 354.4
RMS 61.59


charge_dis_6_11_5
charge_dis_6_11_5
Entries 1180
Mean 336.2
RMS 52.53


charge_dis_6_11_6
charge_dis_6_11_6
Entries 1180
Mean 322.9
RMS 66.88


charge_dis_6_11_7
charge_dis_6_11_7
Entries 1180
Mean 672
RMS 75.21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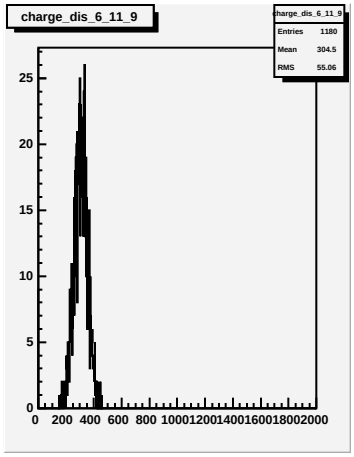
charge_dis_6_11_8
Entries 1180
Mean 319.1
RMS 57.32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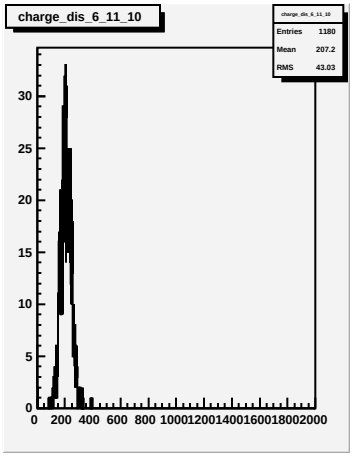
charge_dis_6_11_9
Entries 1180
Mean 304.5
RMS 55.06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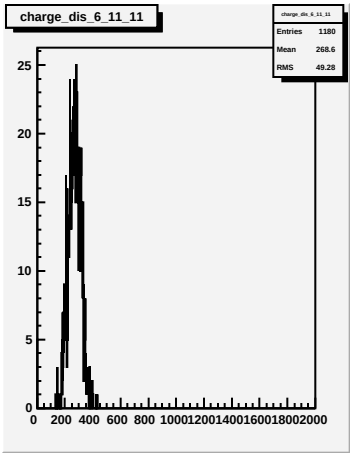
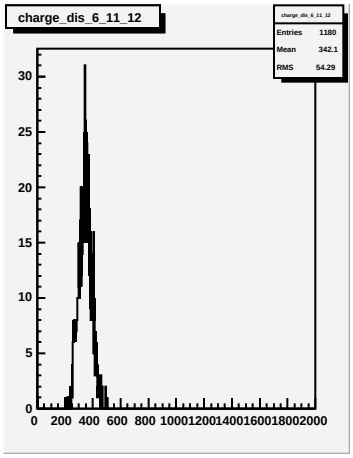
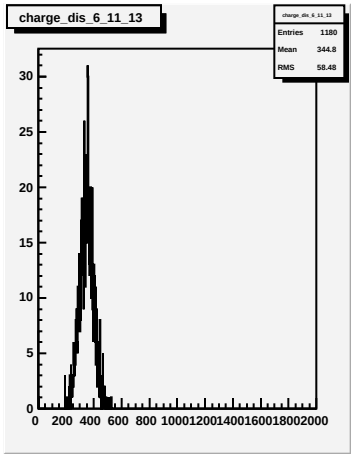
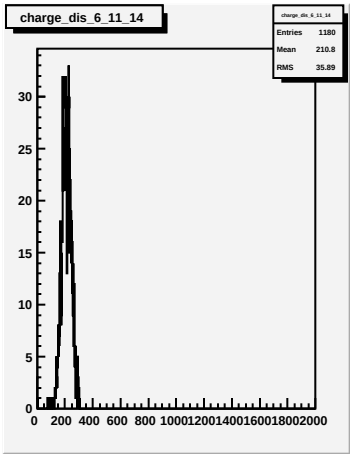
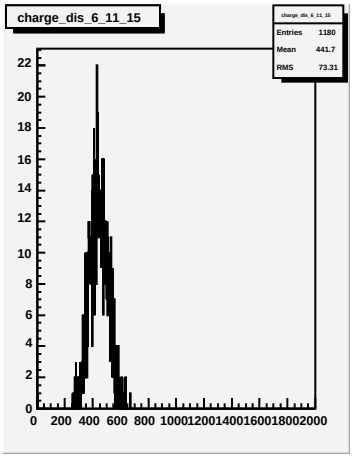
charge_dis_6_11_10
Entries 1180
Mean 207.2
RMS 43.03

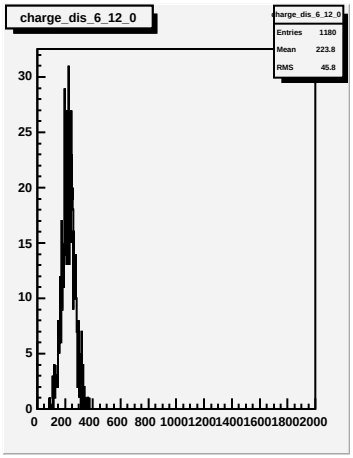

charge_dis_6_11_11
charge_dis_6_11_11
Entries 1180
Mean 268.6
RMS 49.28


charge_dis_6_11_12
charge_dis_6_11_12
Entries 1180
Mean 342.1
RMS 54.29


charge_dis_6_11_13
charge_dis_6_11_13
Entries 1180
Mean 344.8
RMS 58.48


charge_dis_6_11_14
charge_dis_6_11_14
Entries 1180
Mean 210.8
RMS 35.89


charge_dis_6_11_15
charge_dis_6_11_15
Entries 1180
Mean 441.7
RMS 73.31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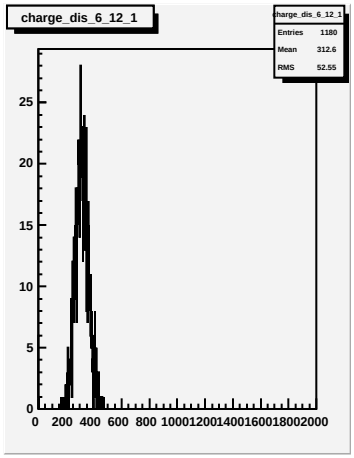
Entries 1180
Mean 223.8
RMS 45.8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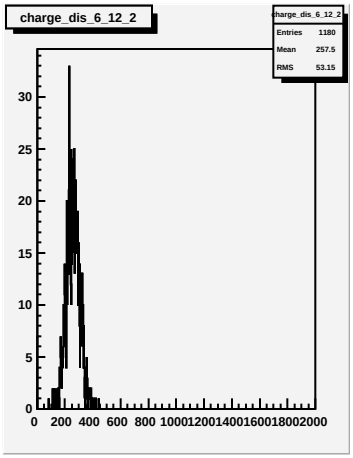
Entries 1180
Mean 312.6
RMS 52.55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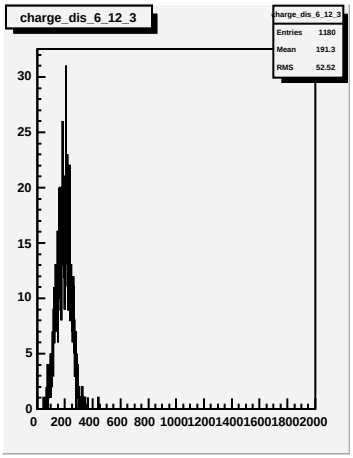
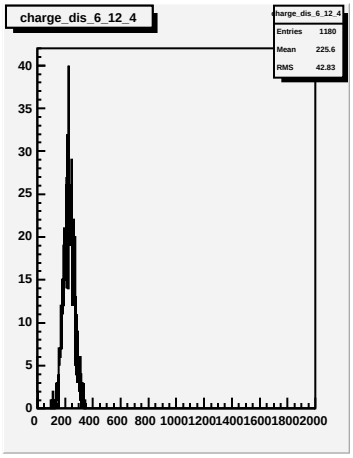
Entries 1180
Mean 257.5
RMS 53.15


charge_dis_6_12_3
Entries 1180
Mean 191.3
RMS 52.52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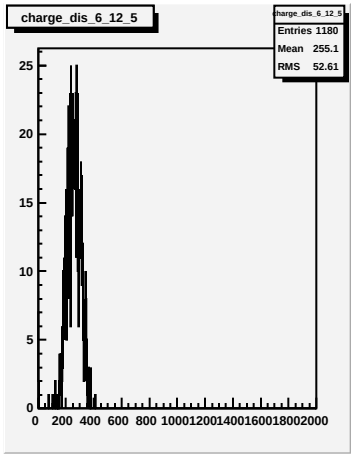
Entries 1180
Mean 225.6
RMS 42.83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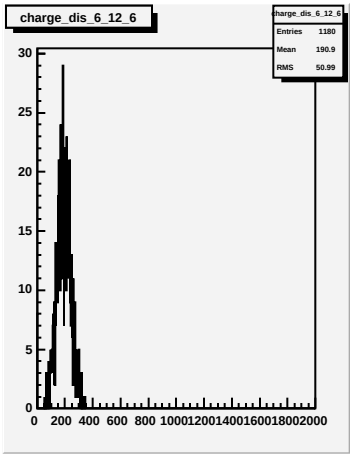
Entries 1180
Mean 255.1
RMS 52.61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Entries 1180
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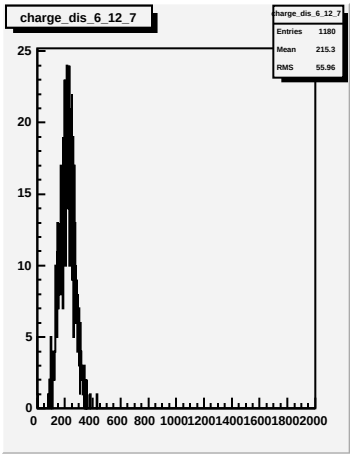
RMS 50.99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Entries 1180
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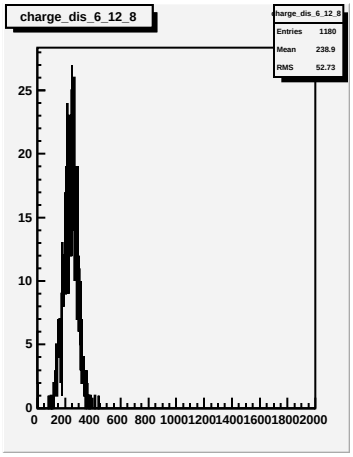
RMS 55.96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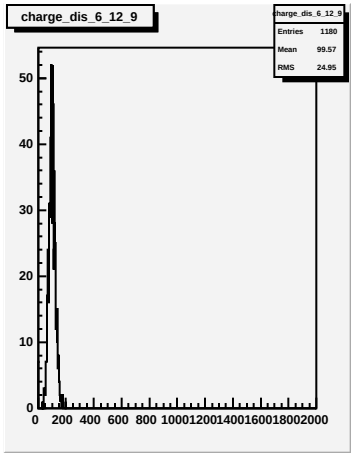
Entries 1180
Mean 238.9
RMS 52.73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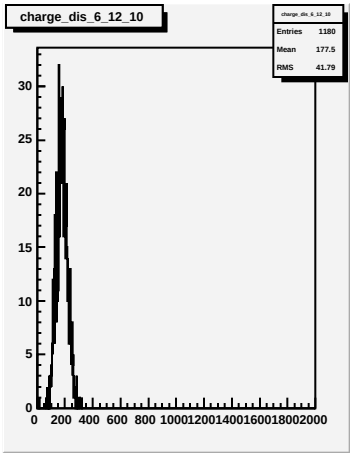
RMS 24.95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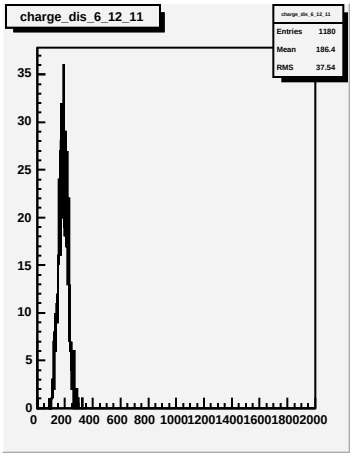
Entries 1180
Mean 177.5
RMS 41.79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Entries 1180
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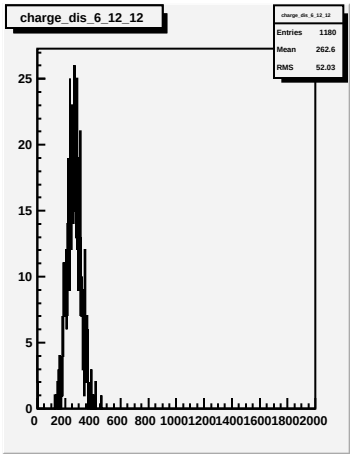
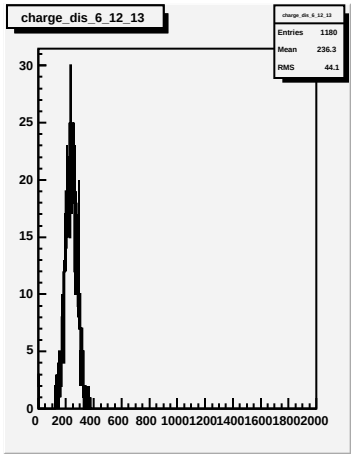
RMS 37.54


charge_dis_6_12_12
Entries 1180
Mean 262.6
RMS 52.03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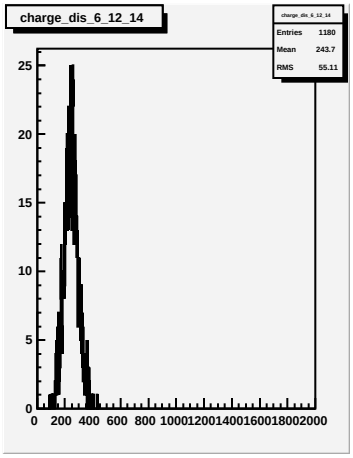
Entries 1180
Mean 236.3
RMS 44.1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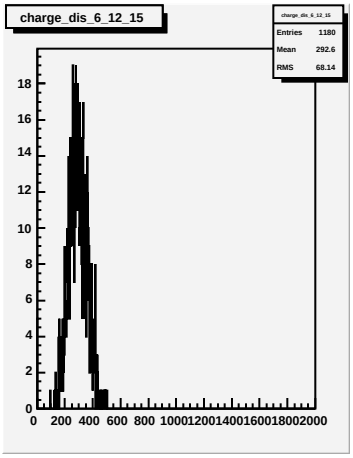
Entries 1180
Mean 243.7
RMS 55.11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Entries 1180
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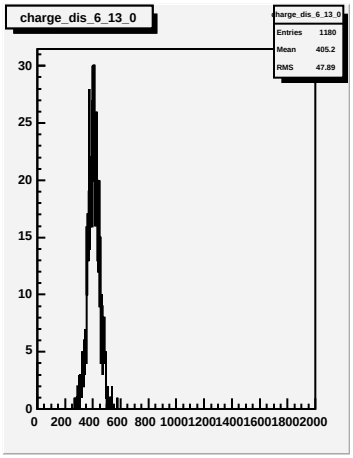
RMS 68.14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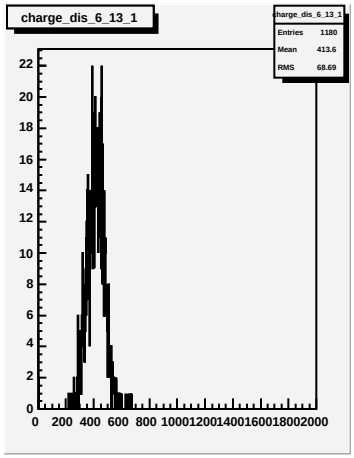
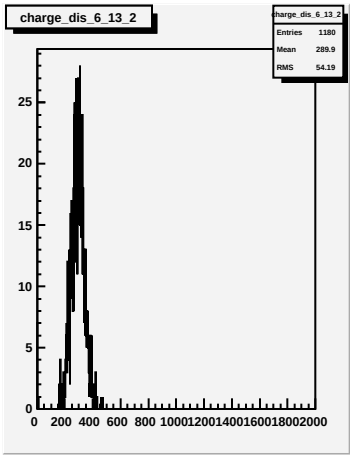
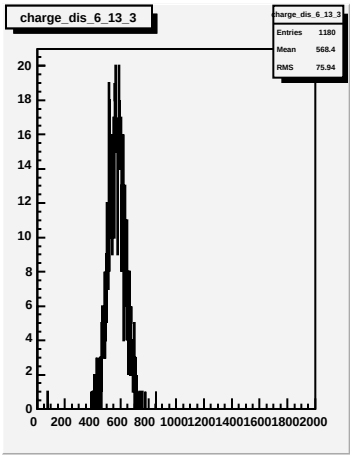
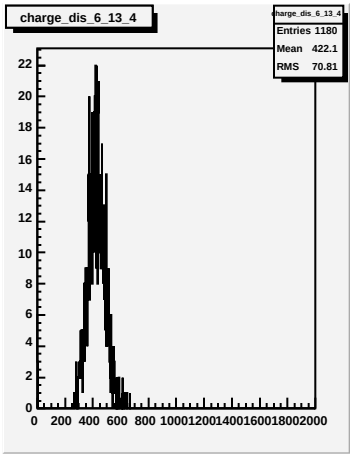
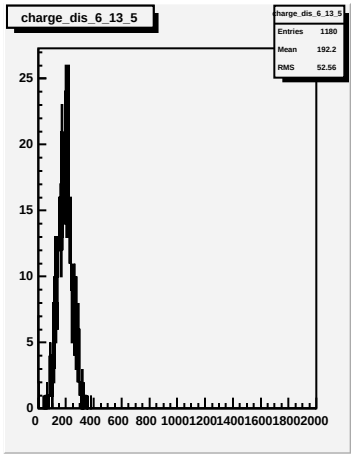
Entries 1180
Mean 405.2
RMS 47.89

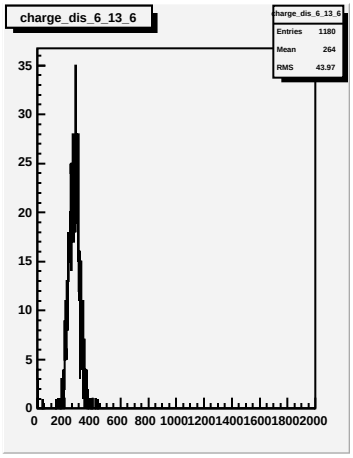

charge_dis_6_13_1
Entries 1180
Mean 413.6
RMS 68.69

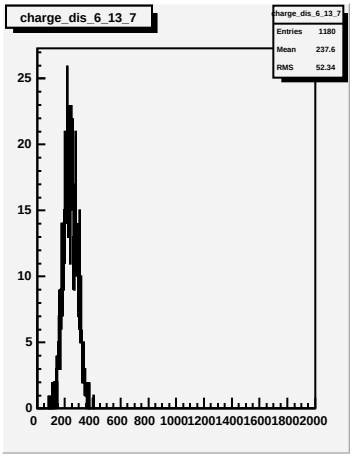

charge_dis_6_13_2
Entries 1180
Mean 289.9
RMS 54.19

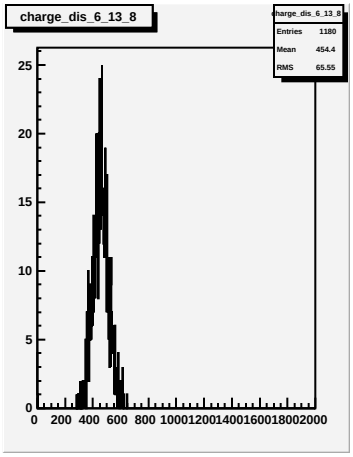

charge_dis_6_13_3
Entries 1180
Mean 568.4
RMS 75.94

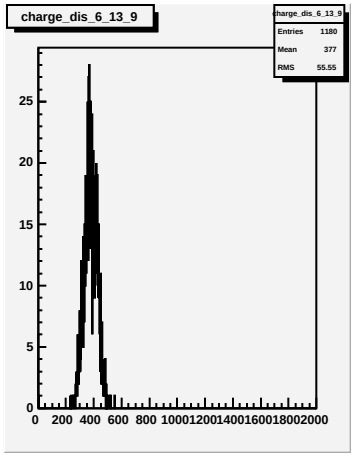

charge_dis_6_13_4
Entries 1180
Mean 422.1
RMS 70.81

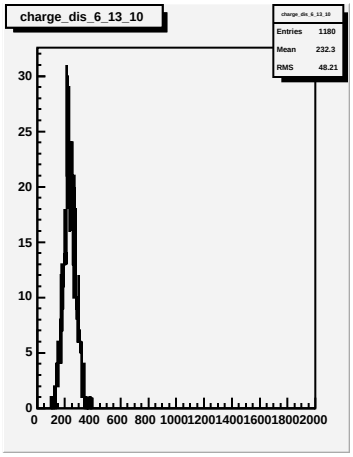

charge_dis_6_13_5
Entries 1180
Mean 192.2
RMS 52.56

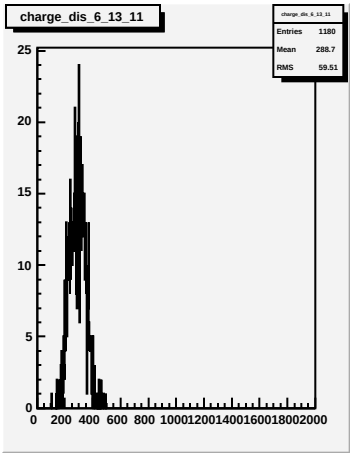

charge_dis_6_13_6
Entries 1180
Mean 264
RMS 43.97

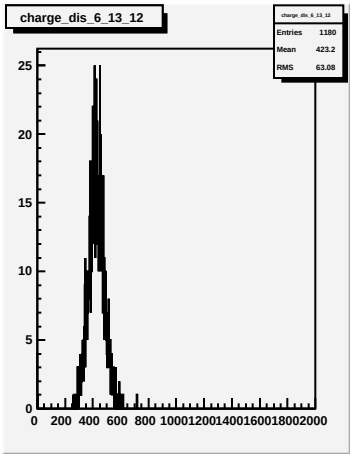

charge_dis_6_13_7
Entries 1180
Mean 237.6
RMS 52.34

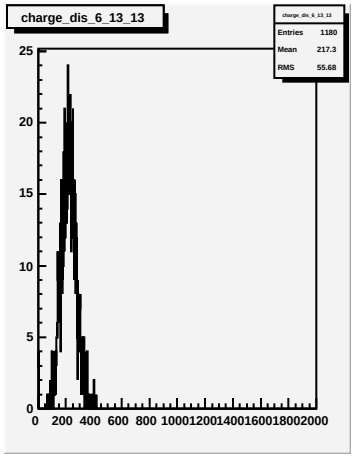

charge_dis_6_13_8
Entries 1180
Mean 454.4
RMS 65.55

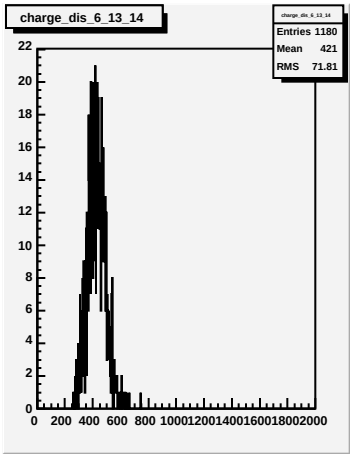

charge_dis_6_13_9
Entries 1180
Mean 377
RMS 55.55

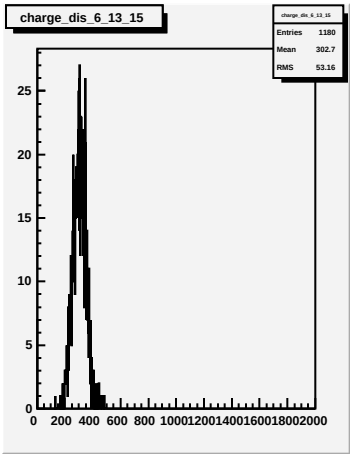

charge_dis_6_13_10
Entries 1180
Mean 232.3
RMS 48.21


charge_dis_6_13_11
Entries 1180
Mean 288.7
RMS 59.51


charge_dis_6_13_12
Entries 1180
Mean 423.2
RMS 63.08


charge_dis_6_13_13
Entries 1180
Mean 217.3
RMS 55.68


charge_dis_6_13_14
Entries 1180
Mean 421
RMS 71.81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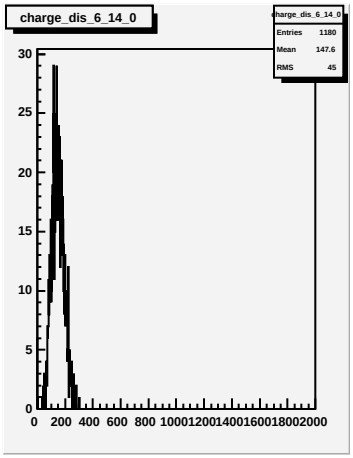
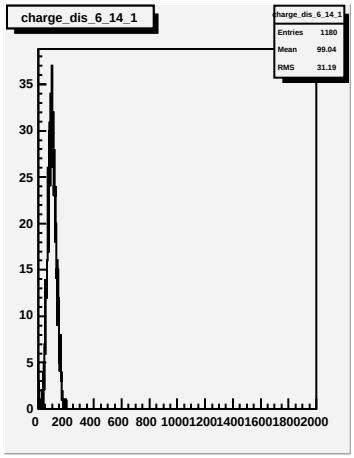
Entries 1180
Mean 302.7
RMS 53.16


charge_dis_6_14_0
charge_dis_6_14_0
Entries 1180
Mean 147.6
RMS 45


charge_dis_6_14_1
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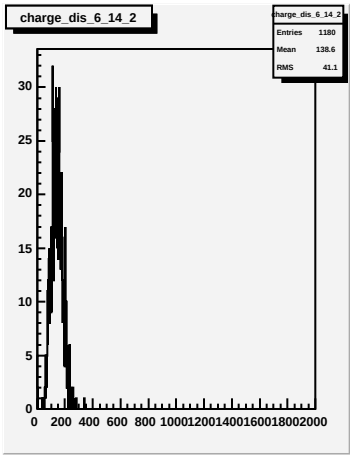
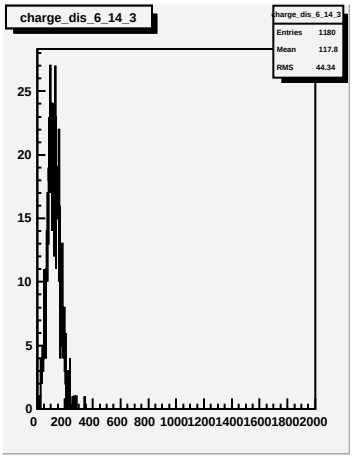
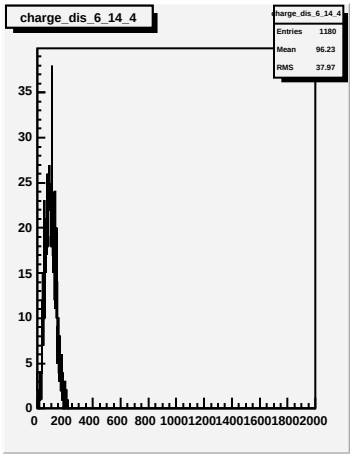
Entries 1180
Mean 99.04
RMS 31.19


charge_dis_6_14_2
charge_dis_6_14_2
Entries 1180
Mean 138.6
RMS 41.1


charge_dis_6_14_3
charge_dis_6_14_3
Entries 1180
Mean 117.8
RMS 44.34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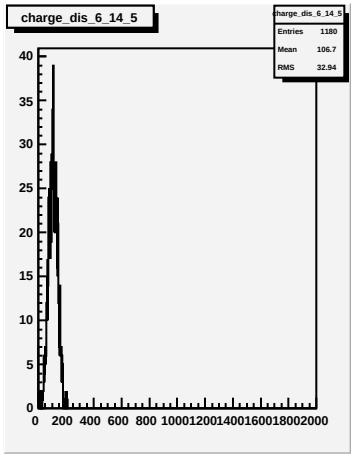
Entries 1180
Mean 96.23
RMS 37.97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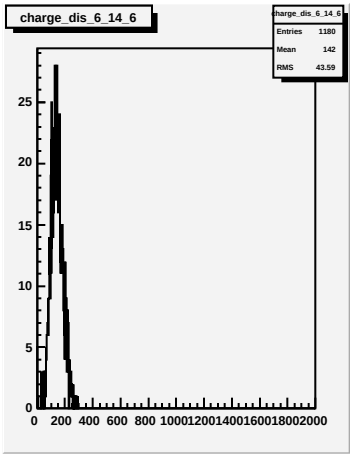
charge_dis_6_14_5
Entries 1180
Mean 106.7
RMS 32.94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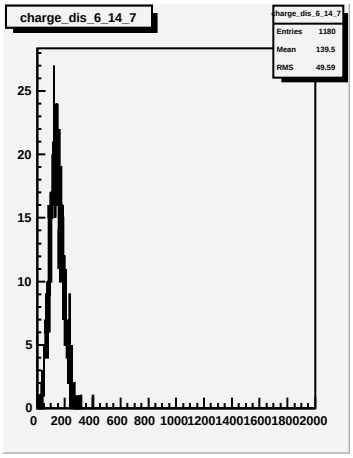
charge_dis_6_14_6
Entries 1180
Mean 142
RMS 43.59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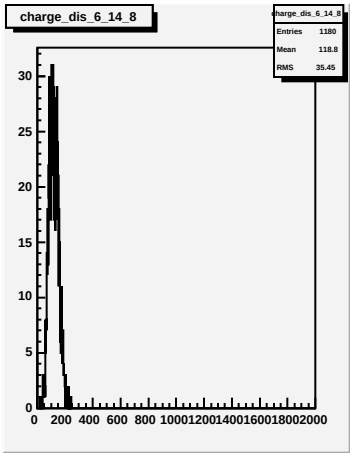
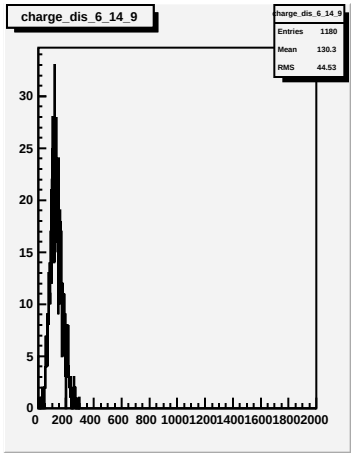
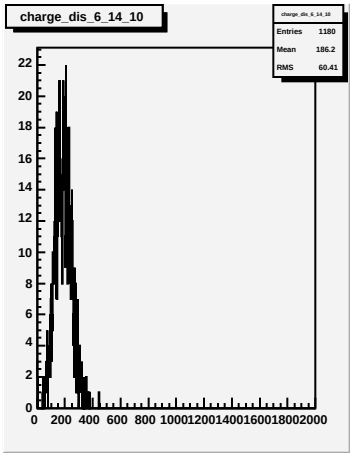
charge_dis_6_14_7
Entries 1180
Mean 139.5
RMS 49.59


charge_dis_6_14_8
charge_dis_6_14_8
Entries 1180
Mean 118.8
RMS 35.45


charge_dis_6_14_9
charge_dis_6_14_9
Entries 1180
Mean 130.3
RMS 44.53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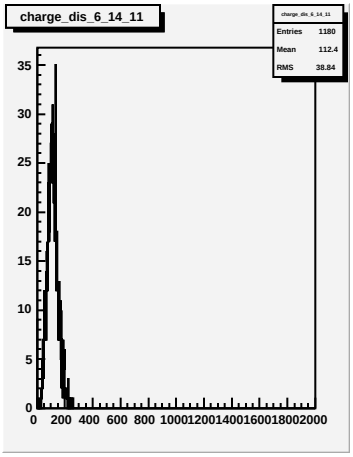
charge_dis_6_14_10
Entries 1180
Mean 186.2
RMS 60.41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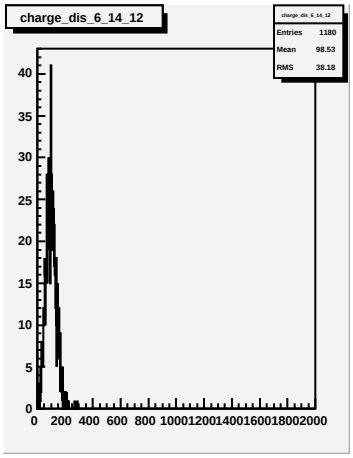
charge_dis_6_14_11
Entries 1180
Mean 112.4
RMS 38.84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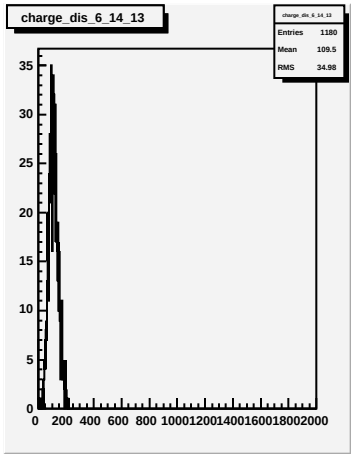
charge_dis_6_14_12
Entries 1180
Mean 98.53
RMS 38.18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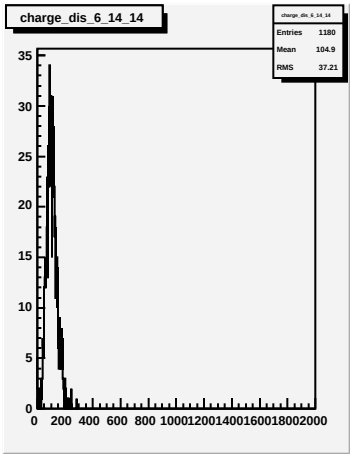
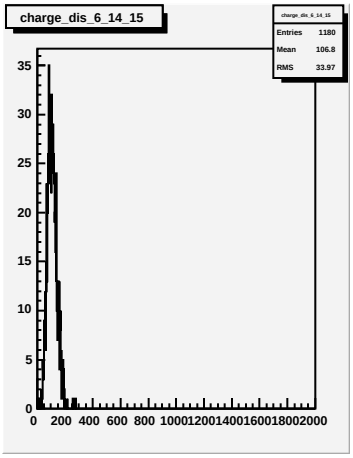
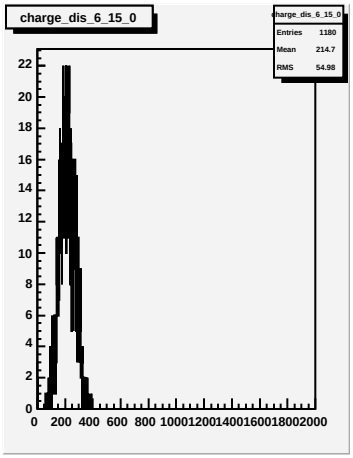
charge_dis_6_14_13
Entries 1180
Mean 109.5
RMS 34.98


charge_dis_6_14_14
charge_dis_6_14_14
Entries 1180
Mean 104.9
RMS 37.21


charge_dis_6_14_15
charge_dis_6_14_15
Entries 1180
Mean 106.8
RMS 33.97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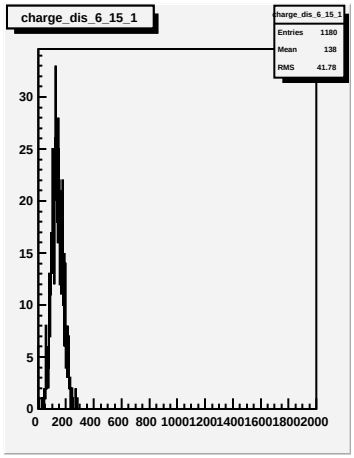
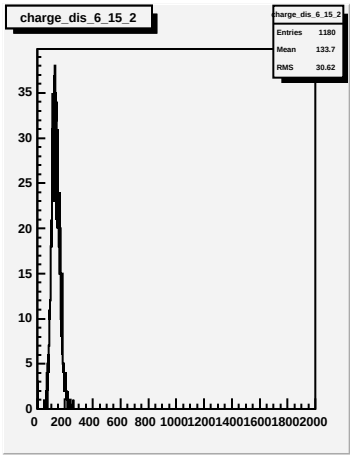
Entries 1180
Mean 214.7
RMS 54.98


charge_dis_6_15_1
Entries 1180
Mean 138
RMS 41.78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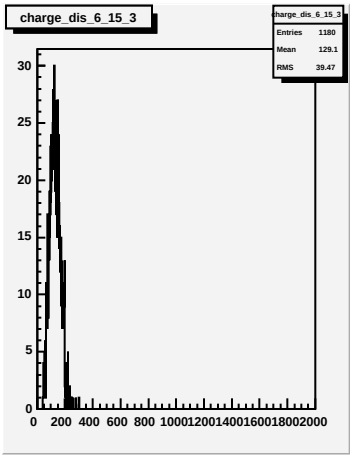
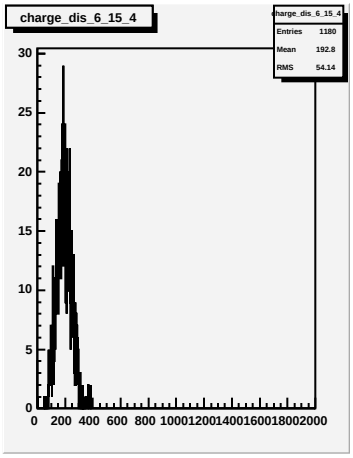
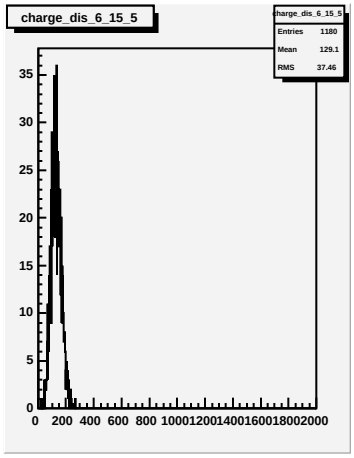
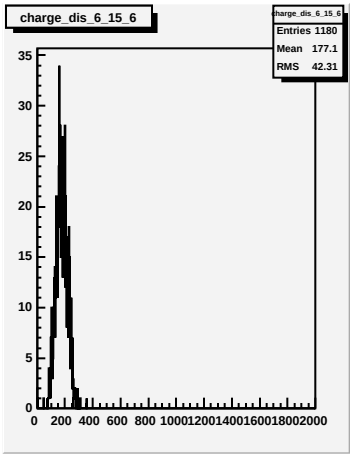
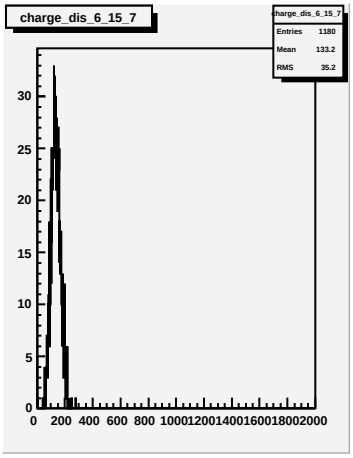
Entries 1180
Mean 133.7
RMS 30.62

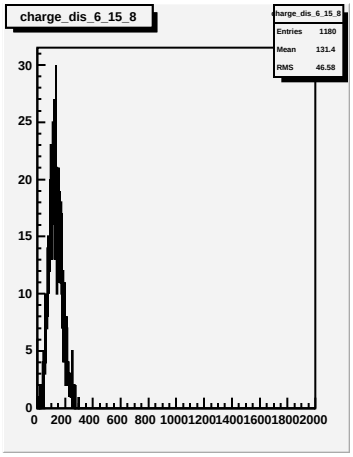

charge_dis_6_15_3
Entries 1180
Mean 129.1
RMS 39.47

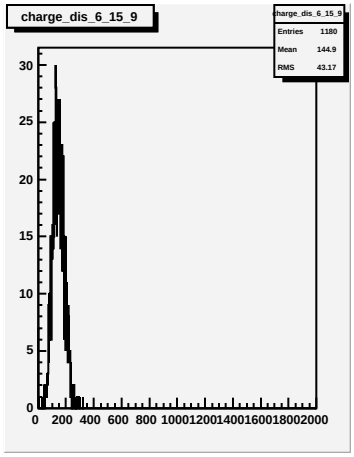

charge_dis_6_15_4
Entries 1180
Mean 192.8
RMS 54.14

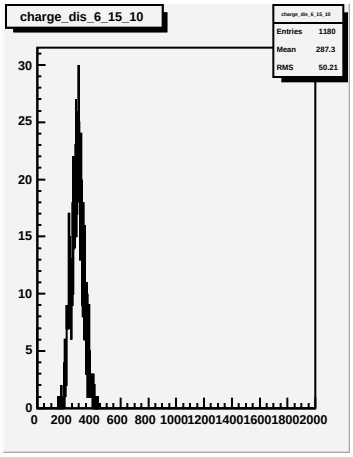

charge_dis_6_15_5
Entries 1180
Mean 129.1
RMS 37.46


charge_dis_6_15_6
Entries 1180
Mean 177.1
RMS 42.31


charge_dis_6_15_7
Entries 1180
Mean 133.2
RMS 35.2


charge_dis_6_15_8
Entries 1180
Mean 131.4
RMS 46.58


charge_dis_6_15_9
Entries 1180
Mean 144.9
RMS 43.17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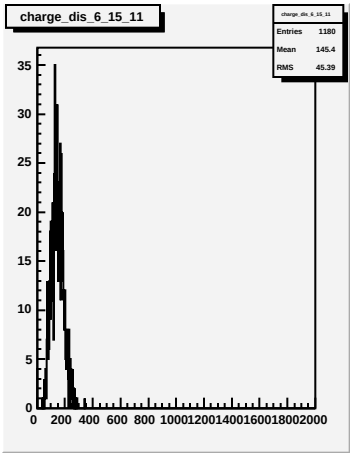
RMS 50.21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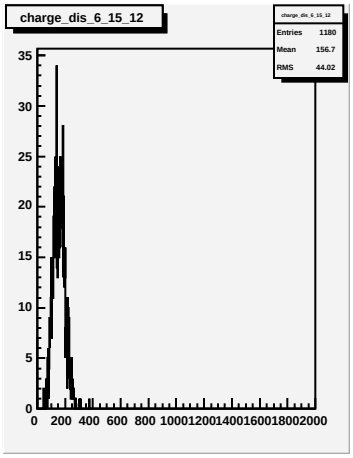
Mean 145.4
RMS 45.39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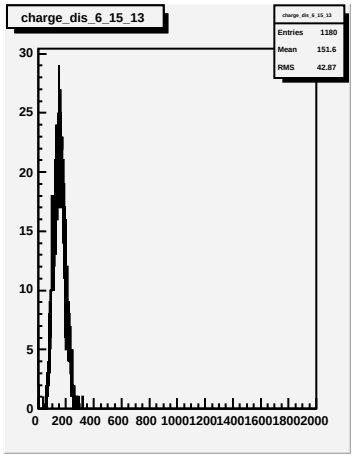
Entries 1180
Mean 156.7
RMS 44.02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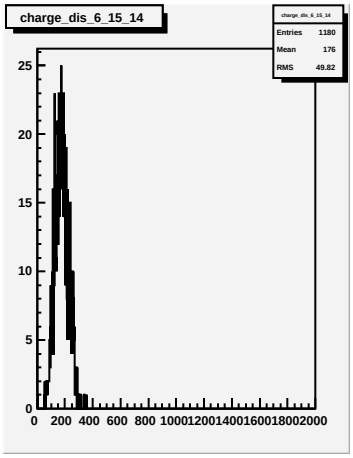
Entries 1180
Mean 151.6
RMS 42.87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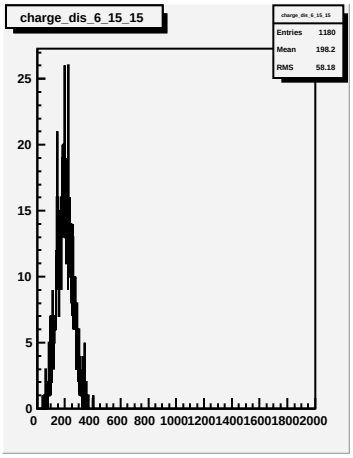
Entries 1180
Mean 176
RMS 49.82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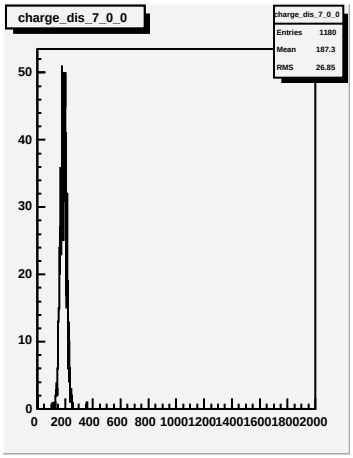
Entries 1180
Mean 198.2
RMS 58.18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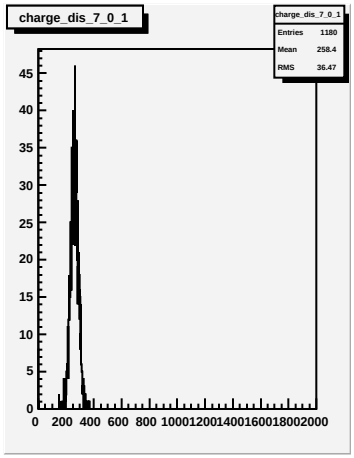
Entries 1180
Mean 187.3
RMS 26.85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Entries 1180
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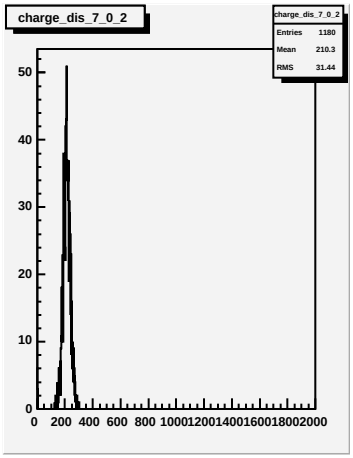
RMS 36.47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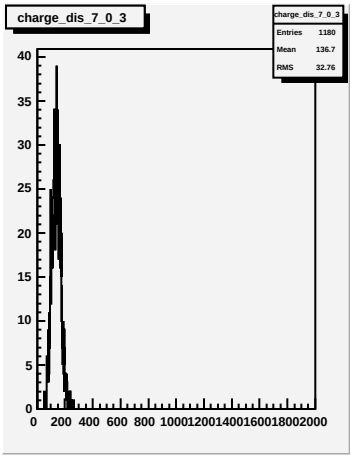
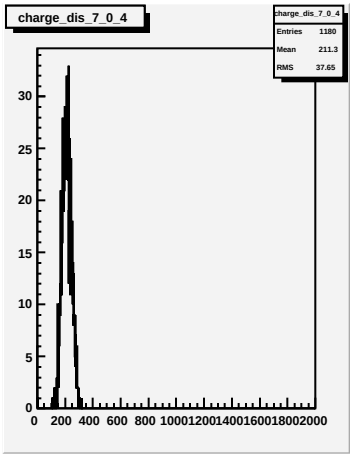
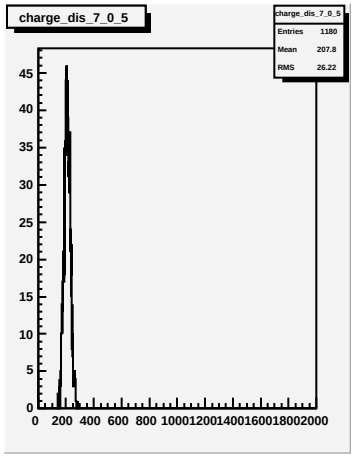
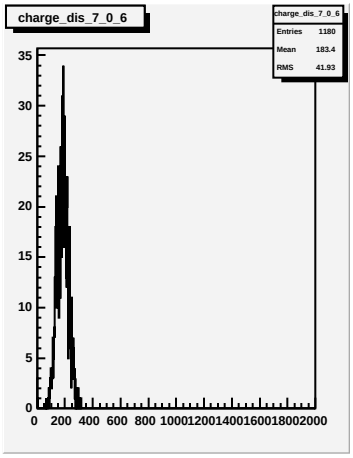
Entries 1180
Mean 210.3
RMS 31.44


charge_dis_7_0_3
charge_dis_7_0_3
Entries 1180
Mean 136.7
RMS 32.76


charge_dis_7_0_4
charge_dis_7_0_4
Entries 1180
Mean 211.3
RMS 37.65


charge_dis_7_0_5
charge_dis_7_0_5
Entries 1180
Mean 207.8
RMS 26.22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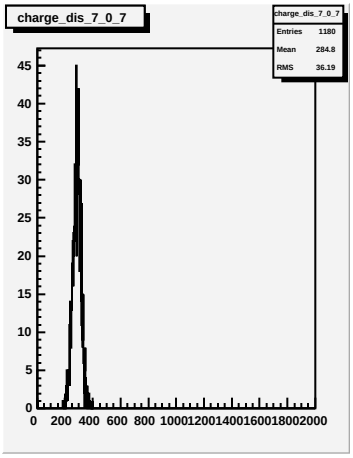
charge_dis_7_0_6
Entries 1180
Mean 183.4
RMS 41.93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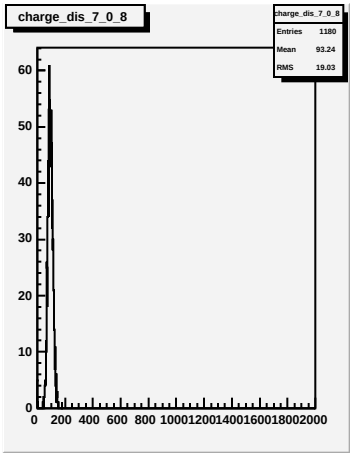
charge_dis_7_0_7
Entries 1180
Mean 284.8
RMS 36.19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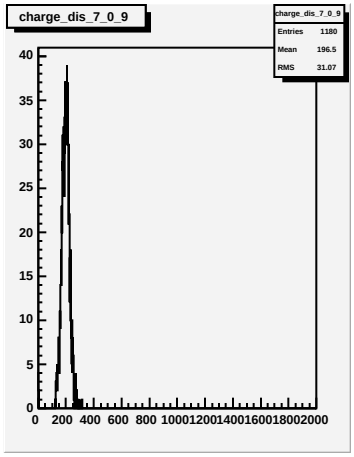
Entries 1180
Mean 93.24
RMS 19.03


charge_dis_7_0_9
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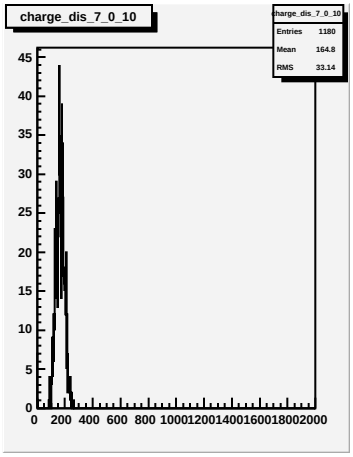
Entries 1180
Mean 196.5
RMS 31.07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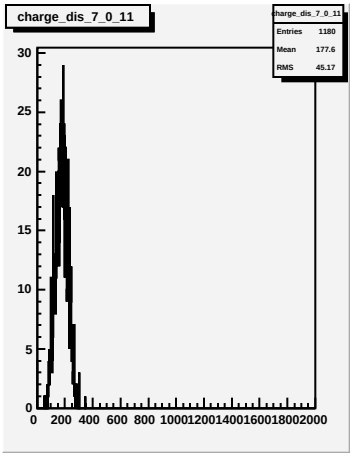
Entries 1180
Mean 164.8
RMS 33.14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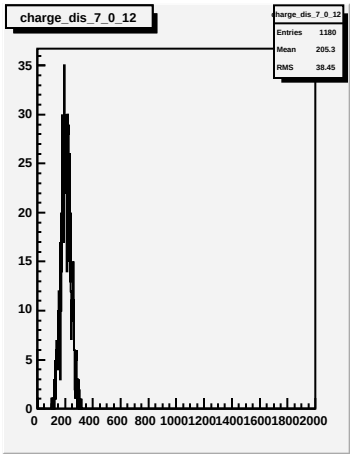
charge_dis_7_0_11
Entries 1180
Mean 177.6
RMS 45.17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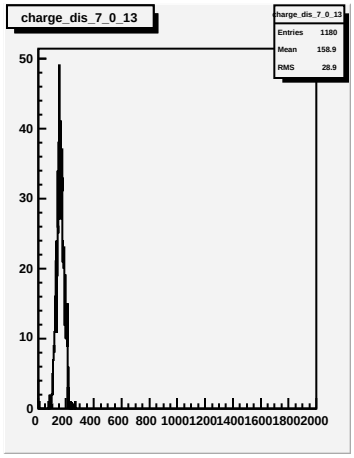
Entries 1180
Mean 205.3
RMS 38.45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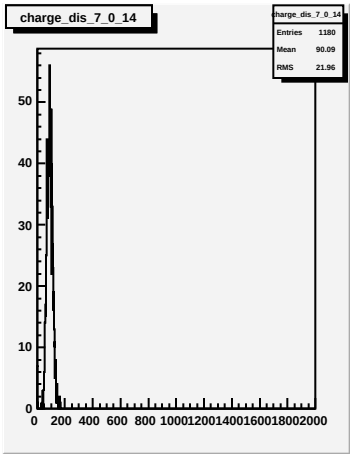
Entries 1180
Mean 158.9
RMS 28.9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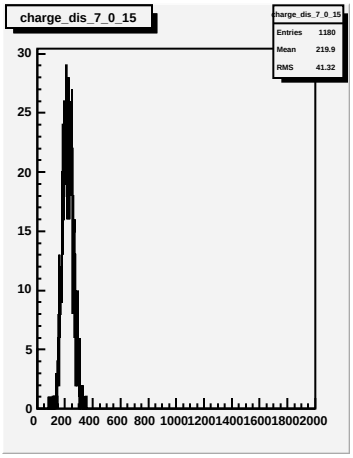
charge_dis_7_0_14
Entries 1180
Mean 90.09
RMS 21.96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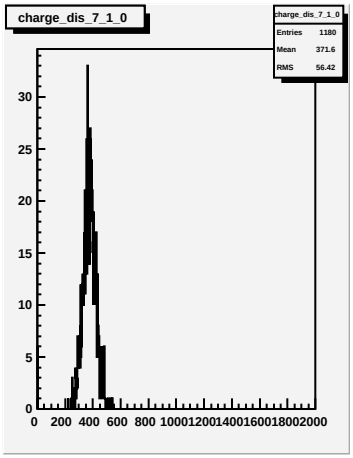
Entries 1180
Mean 219.9
RMS 41.32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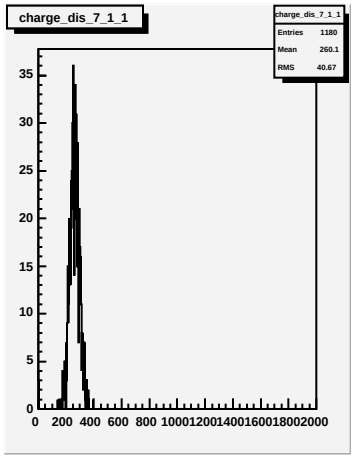
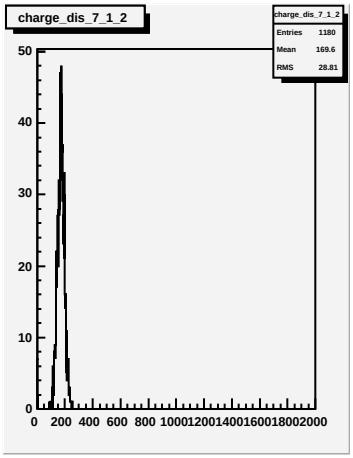
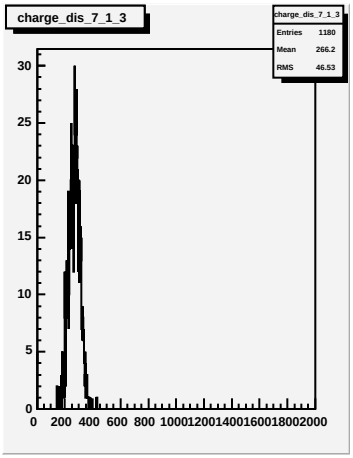
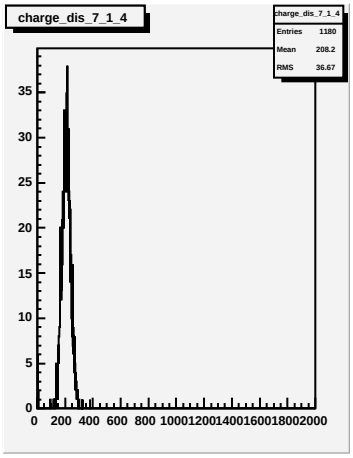
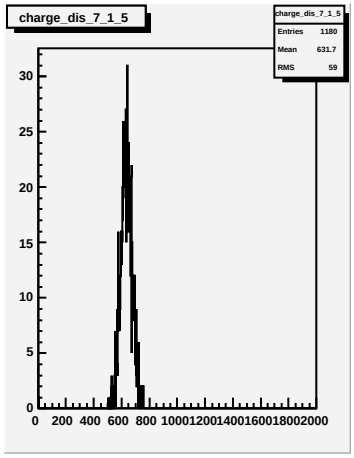
Entries 1180
Mean 371.6
RMS 56.42


charge_dis_7_1_1
charge_dis_7_1_1
Entries 1180
Mean 260.1
RMS 40.67


charge_dis_7_1_2
charge_dis_7_1_2
Entries 1180
Mean 169.6
RMS 28.81


charge_dis_7_1_3
charge_dis_7_1_3
Entries 1180
Mean 266.2
RMS 46.53


charge_dis_7_1_4
charge_dis_7_1_4
Entries 1180
Mean 208.2
RMS 36.67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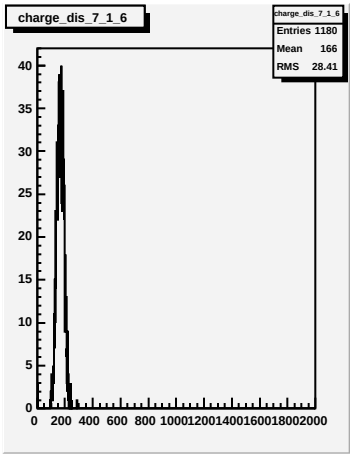
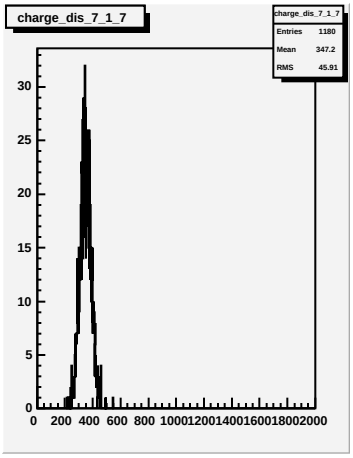
charge_dis_7_1_5
Entries 1180
Mean 631.7
RMS 59


charge_dis_7_1_6
charge_dis_7_1_6
Entries 1180
Mean 166
RMS 28.41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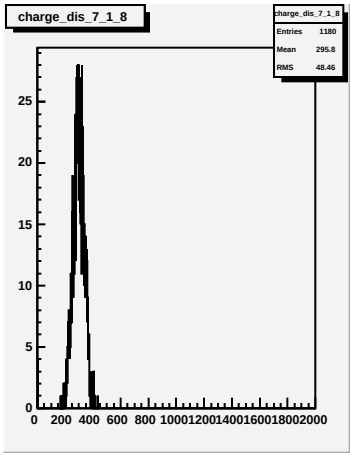
charge_dis_7_1_7
Entries 1180
Mean 347.2
RMS 45.91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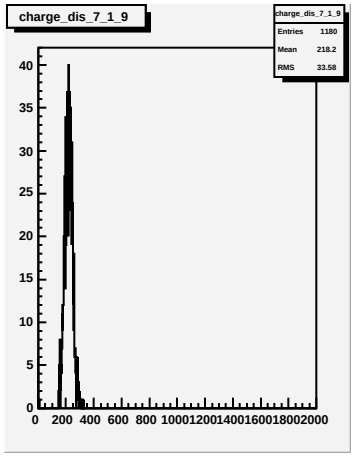
charge_dis_7_1_8
Entries 1180
Mean 295.8
RMS 48.46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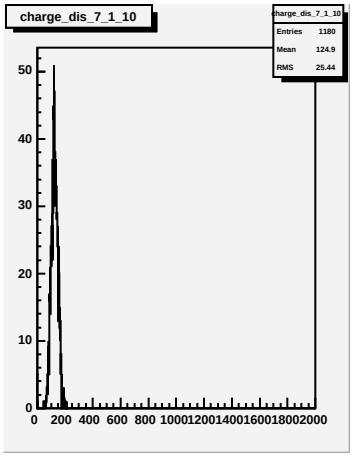
Entries 1180
Mean 218.2
RMS 33.58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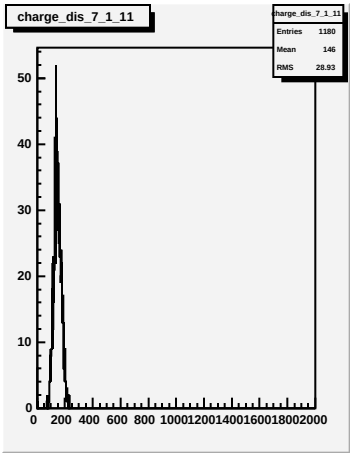
charge_dis_7_1_10
Entries 1180
Mean 124.9
RMS 25.44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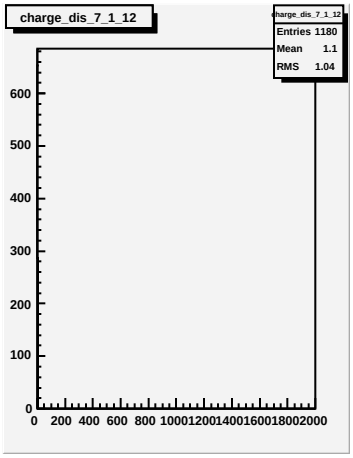
charge_dis_7_1_11
Entries 1180
Mean 146
RMS 28.93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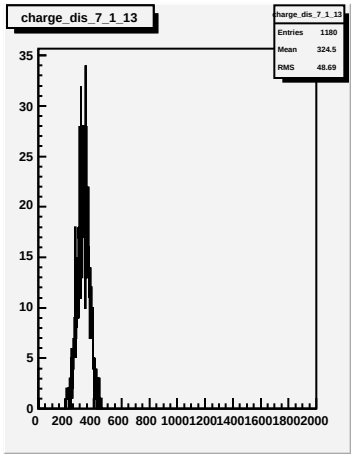
Entries 1180
Mean 1.1
RMS 1.04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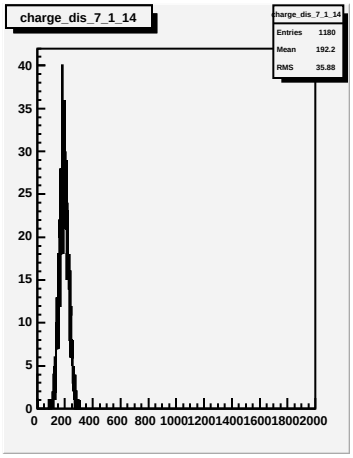
charge_dis_7_1_13
Entries 1180
Mean 324.5
RMS 48.69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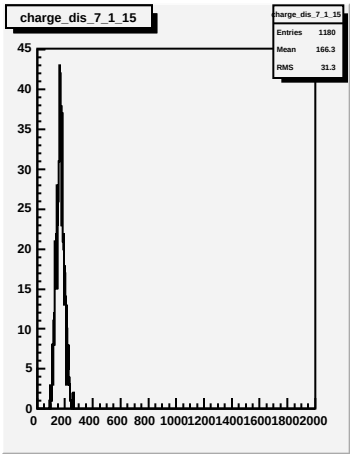
charge_dis_7_1_14
Entries 1180
Mean 192.2
RMS 35.88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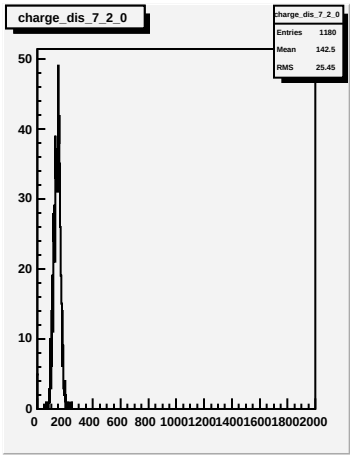
charge_dis_7_1_15
Entries 1180
Mean 166.3
RMS 31.3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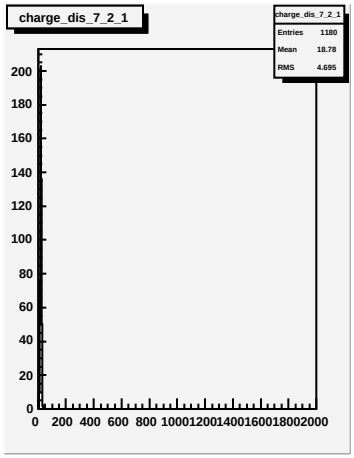
charge_dis_7_2_0
Entries 1180
Mean 142.5
RMS 25.45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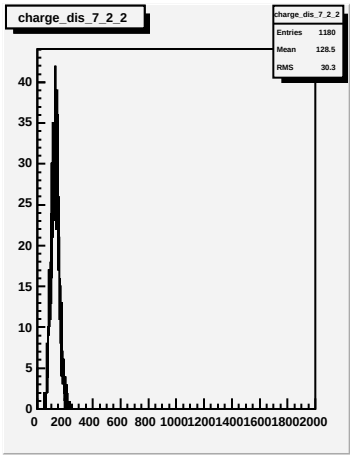
charge_dis_7_2_1
Entries 1180
Mean 18.78
RMS 4.695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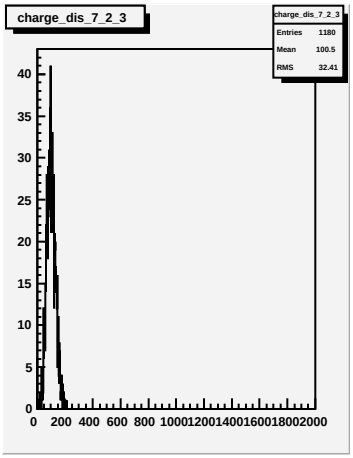
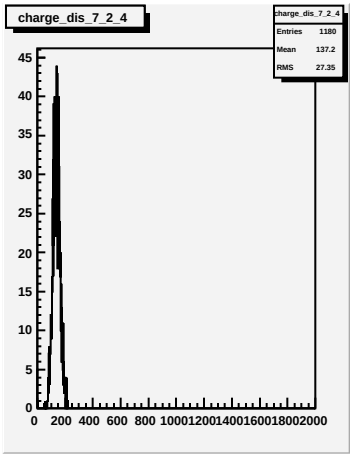
charge_dis_7_2_2
Entries 1180
Mean 128.5
RMS 30.3


charge_dis_7_2_3
charge_dis_7_2_3
Entries 1180
Mean 100.5
RMS 32.41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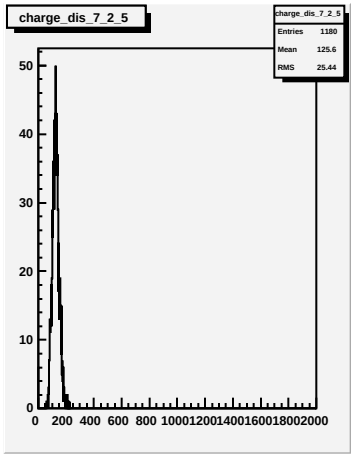
charge_dis_7_2_4
Entries 1180
Mean 137.2
RMS 27.35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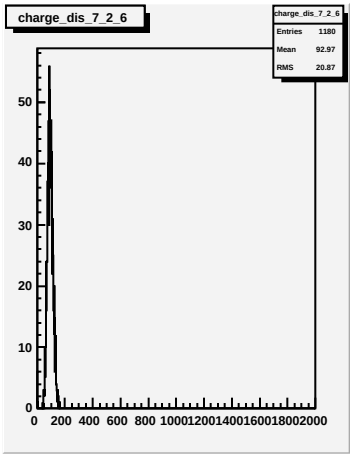
Entries 1180
Mean 125.6
RMS 25.44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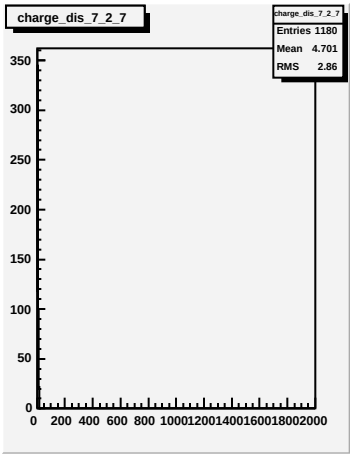
Entries 1180
Mean 92.97
RMS 20.87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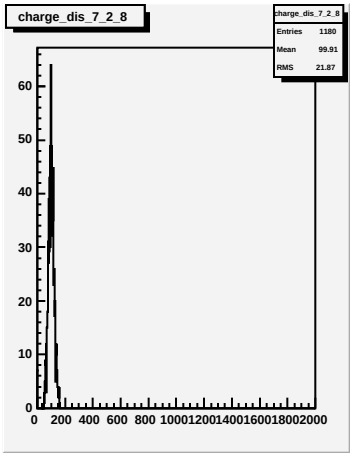
Entries 1180
Mean 4.701
RMS 2.86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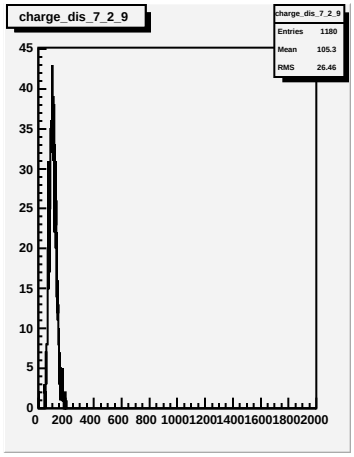
charge_dis_7_2_8
Entries 1180
Mean 99.91
RMS 21.87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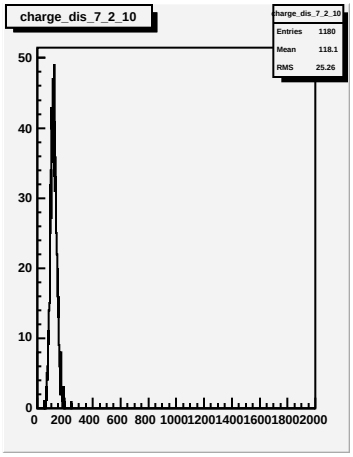
Entries 1180
Mean 105.3
RMS 26.46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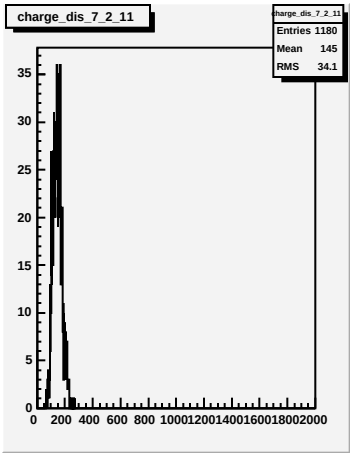
Entries 1180
Mean 118.1
RMS 25.26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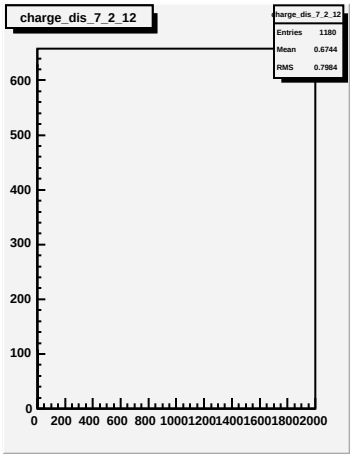
Entries 1180
Mean 145
RMS 34.1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charge_dis_7_2_12
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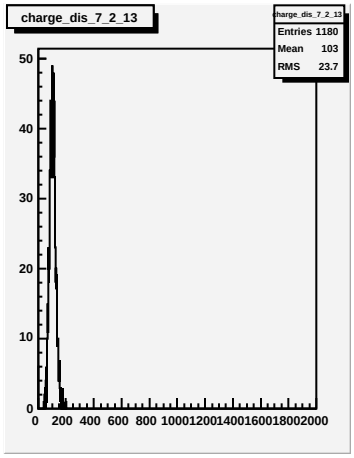
Mean 0.6744
RMS 0.7984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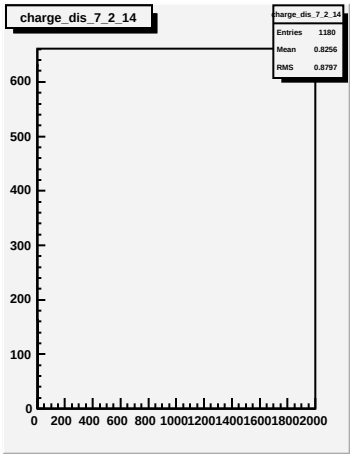
Entries 1180
Mean 103
RMS 23.7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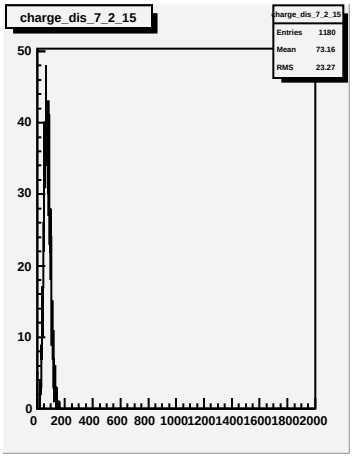
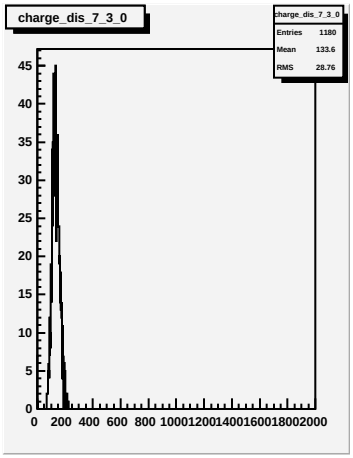
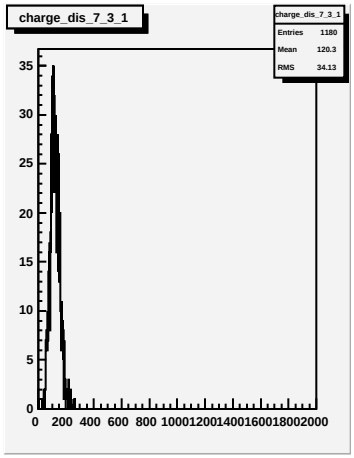
charge_dis_7_2_14
Entries 1180
Mean 0.8256
RMS 0.8797


charge_dis_7_2_15
charge_dis_7_2_15
Entries 1180
Mean 73.16
RMS 23.27


charge_dis_7_3_0
charge_dis_7_3_0
Entries 1180
Mean 133.6
RMS 28.76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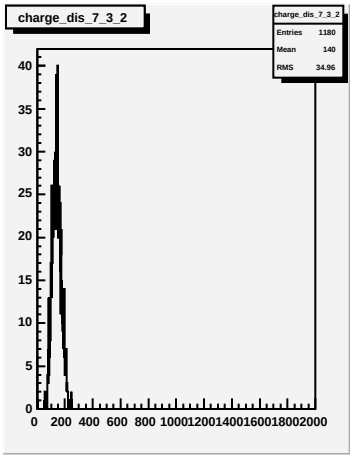
Entries 1180
Mean 120.3
RMS 34.13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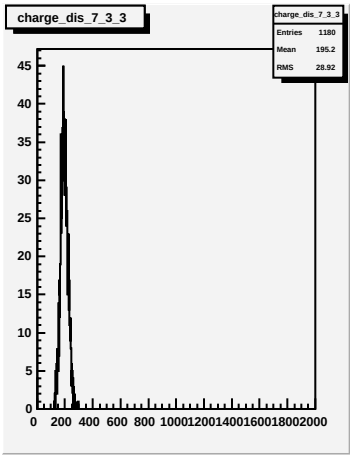
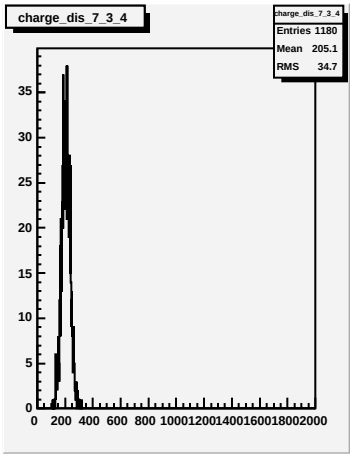
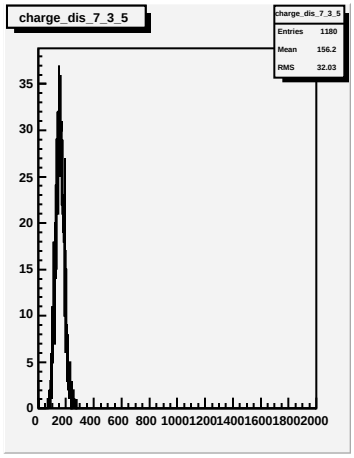
charge_dis_7_3_2
Entries 1180
Mean 140
RMS 34.96


charge_dis_7_3_3
charge_dis_7_3_3
Entries 1180
Mean 195.2
RMS 28.92


charge_dis_7_3_4
charge_dis_7_3_4
Entries 1180
Mean 205.1
RMS 34.7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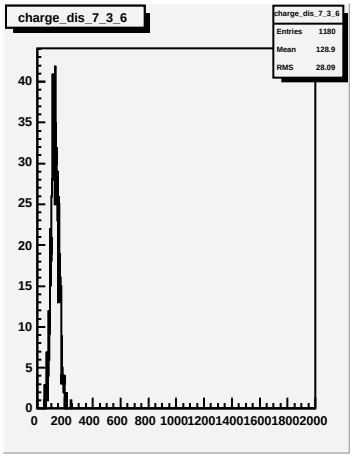
charge_dis_7_3_5
Entries 1180
Mean 156.2
RMS 32.03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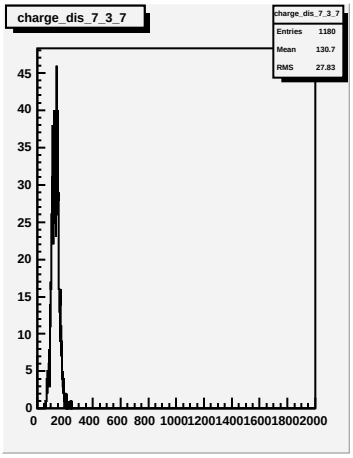
charge_dis_7_3_6
Entries 1180
Mean 128.9
RMS 28.09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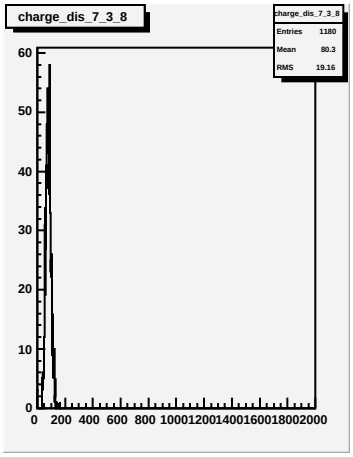
Entries 1180
Mean 130.7
RMS 27.83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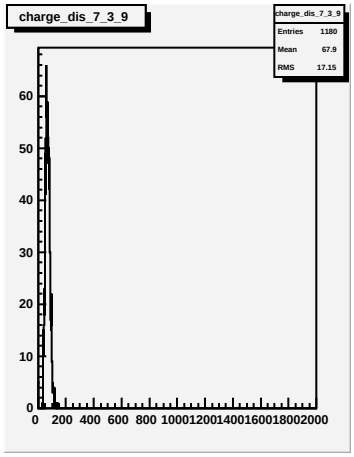
Mean 80.3
RMS 19.16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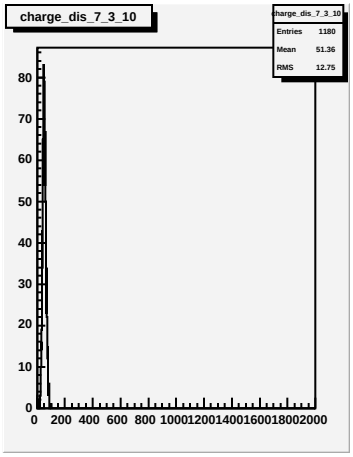
Mean 67.9
RMS 17.15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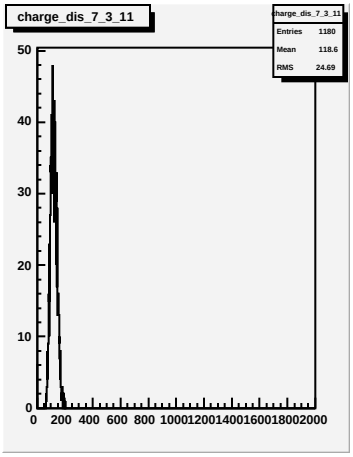
Mean 51.36
RMS 12.75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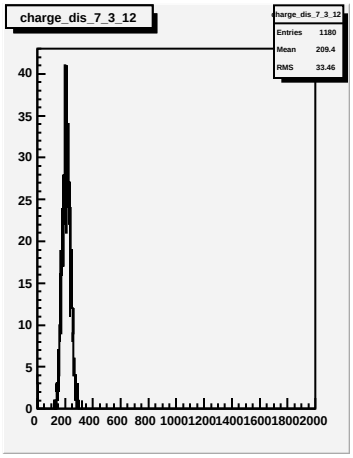
Entries 1180
Mean 118.6
RMS 24.69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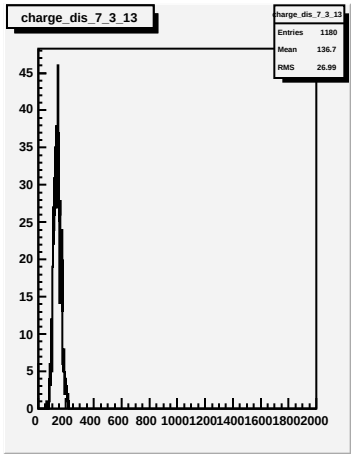
Entries 1180
Mean 209.4
RMS 33.46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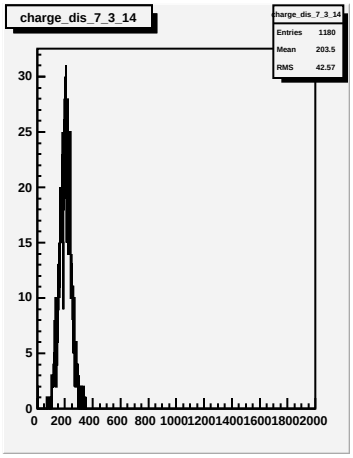
charge_dis_7_3_13
Entries 1180
Mean 136.7
RMS 26.99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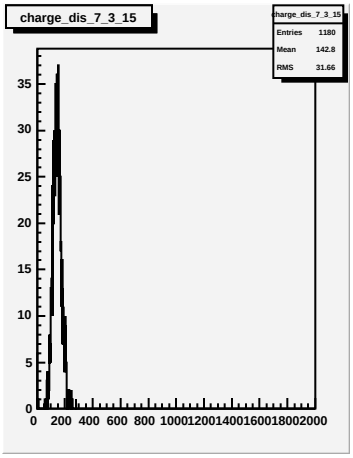
Mean 203.5
RMS 42.57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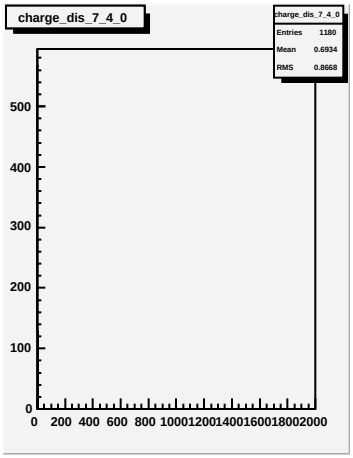
Mean 142.8
RMS 31.66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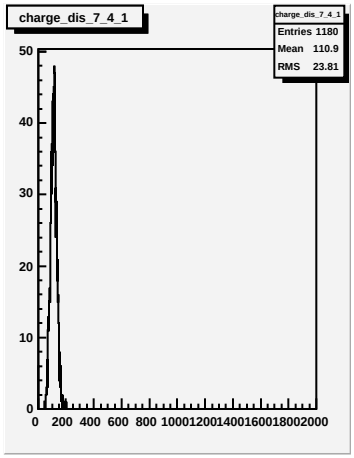
RMS 0.8668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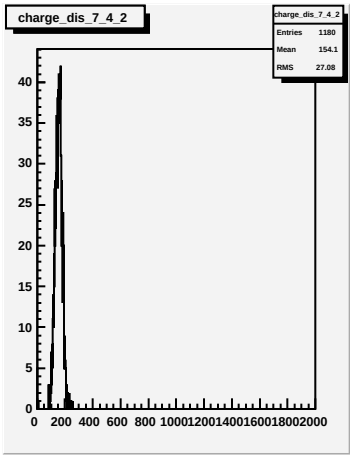
Entries 1180
Mean 110.9
RMS 23.81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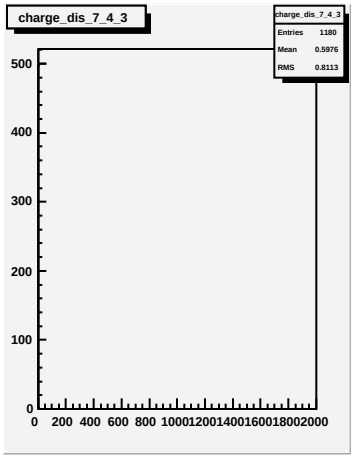
charge_dis_7_4_2
Entries 1180
Mean 154.1
RMS 27.08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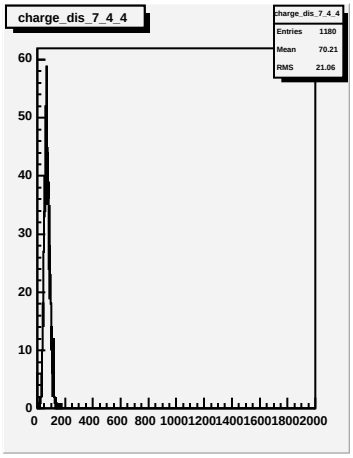
charge_dis_7_4_3
Entries 1180
Mean 0.5976
RMS 0.8113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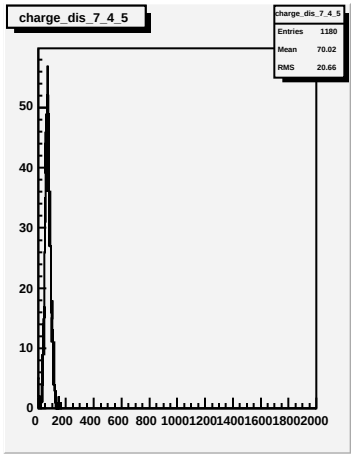
Entries 1180
Mean 70.21
RMS 21.06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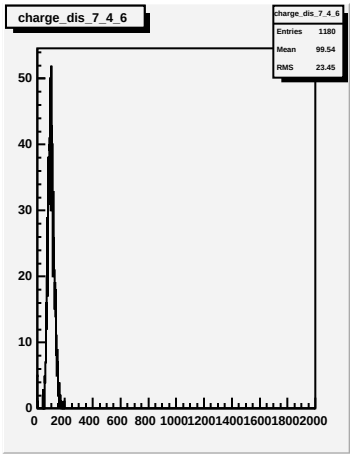
Entries 1180
Mean 70.02
RMS 20.66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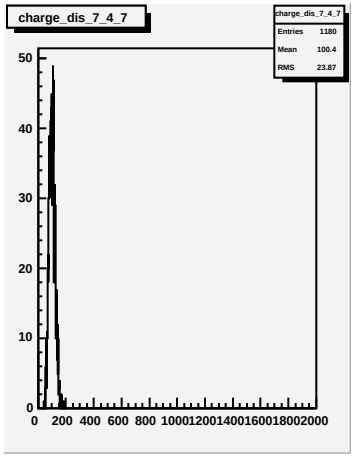
Entries 1180
Mean 99.54
RMS 23.45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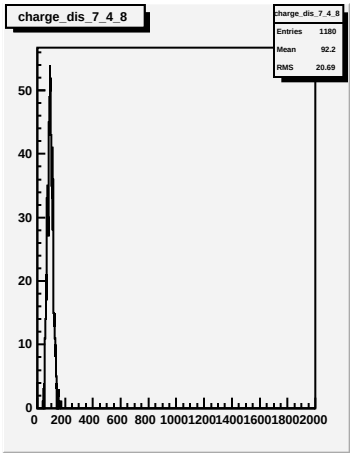
Entries 1180
Mean 100.4
RMS 23.87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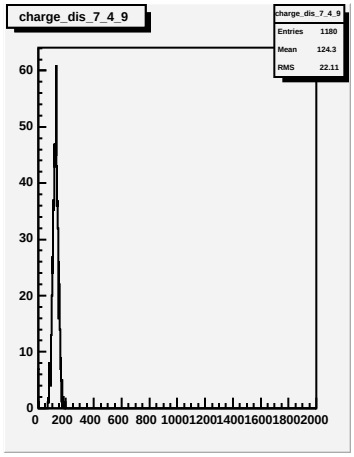
Entries 1180
Mean 92.2
RMS 20.69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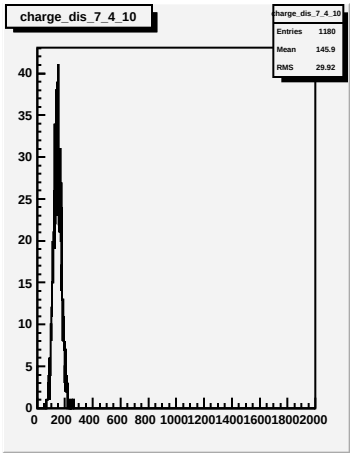
Entries 1180
Mean 124.3
RMS 22.11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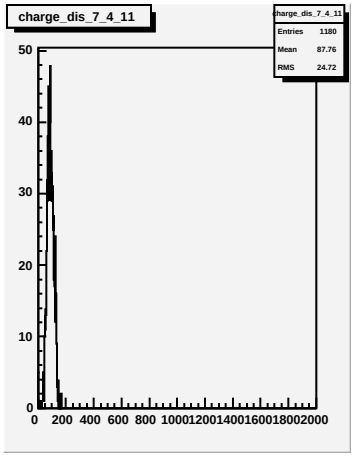
charge_dis_7_4_10
Entries 1180
Mean 145.9
RMS 29.92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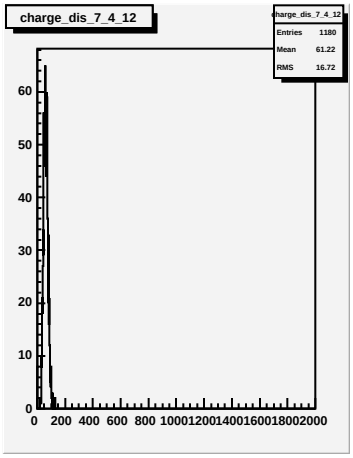
charge_dis_7_4_11
Entries 1180
Mean 87.76
RMS 24.72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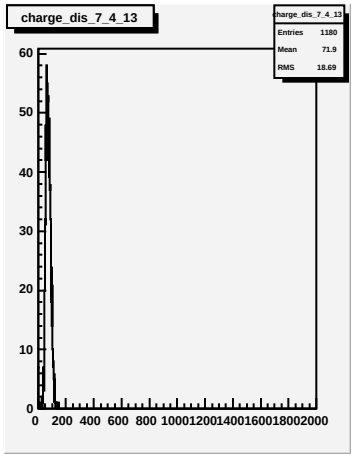
Entries 1180
Mean 61.22
RMS 16.72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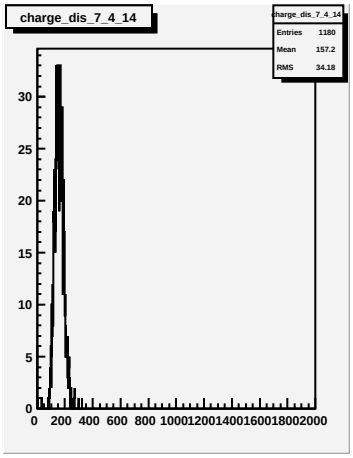
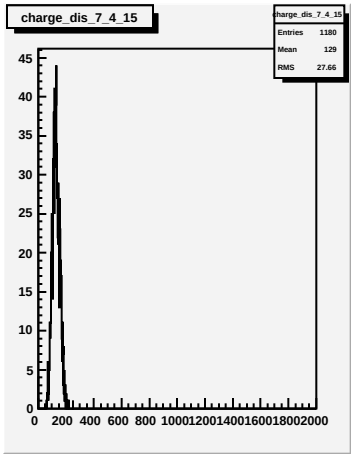
charge_dis_7_4_13
Entries 1180
Mean 71.9
RMS 18.69


charge_dis_7_4_14
charge_dis_7_4_14
Entries 1180
Mean 157.2
RMS 34.18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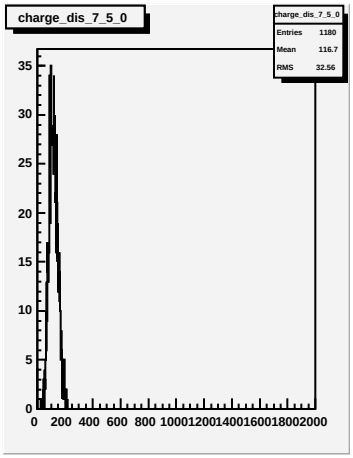
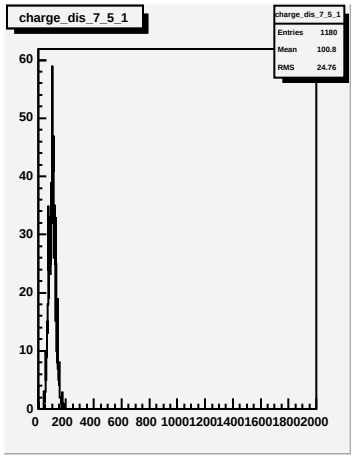
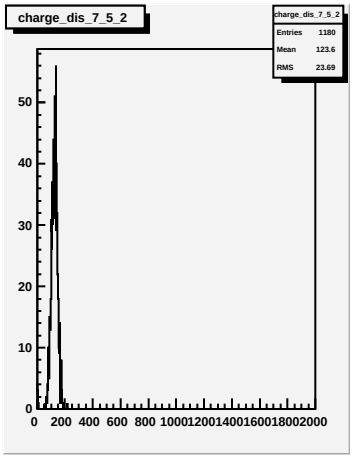
charge_dis_7_4_15
Entries 1180
Mean 129
RMS 27.66


charge_dis_7_5_0
charge_dis_7_5_0
Entries 1180
Mean 116.7
RMS 32.56


charge_dis_7_5_1
charge_dis_7_5_1
Entries 1180
Mean 100.8
RMS 24.76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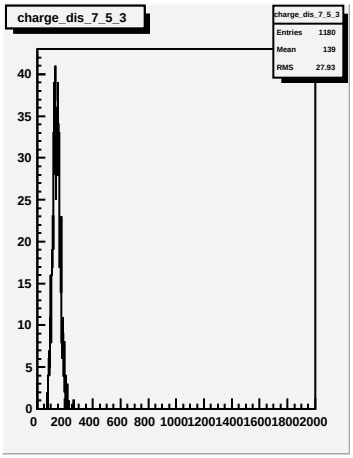
charge_dis_7_5_2
Entries 1180
Mean 123.6
RMS 23.69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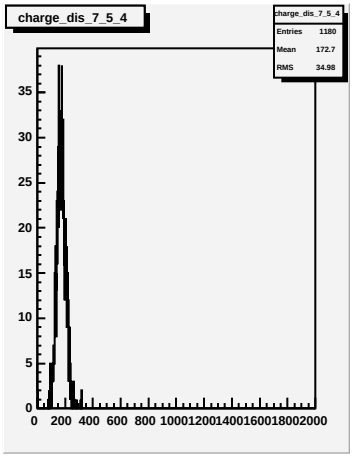
Entries 1180
Mean 139
RMS 27.93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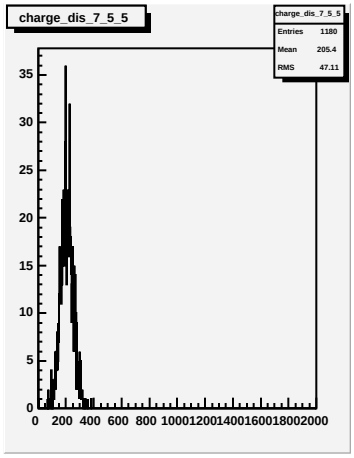
Entries 1180
Mean 172.7
RMS 34.98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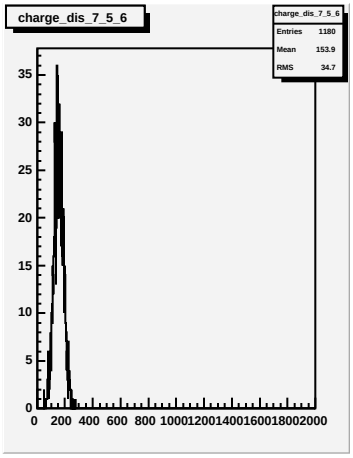
Entries 1180
Mean 205.4
RMS 47.11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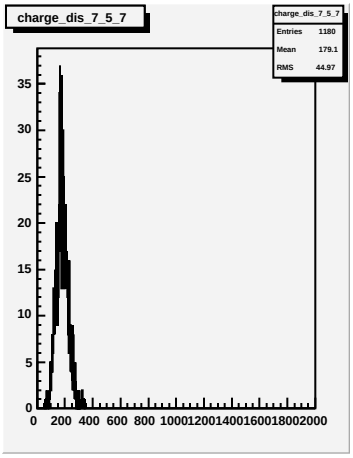
charge_dis_7_5_6
Entries 1180
Mean 153.9
RMS 34.7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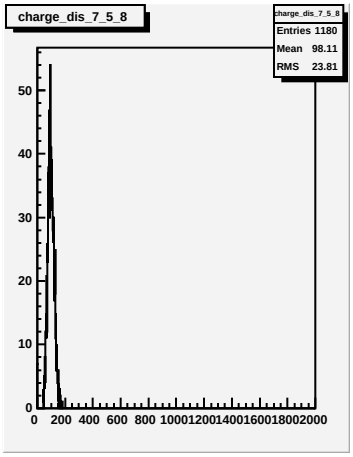
Mean 179.1
RMS 44.97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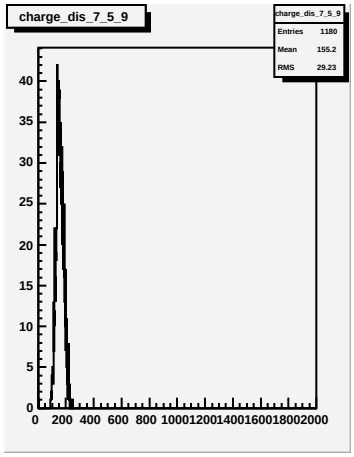
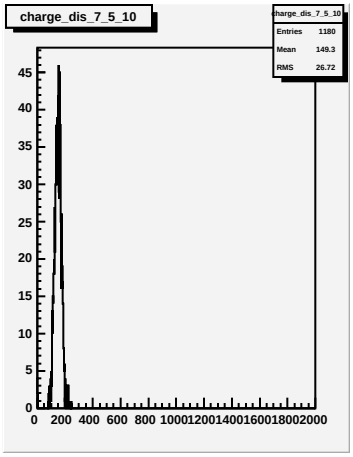
charge_dis_7_5_8
Entries 1180
Mean 98.11
RMS 23.81


charge_dis_7_5_9
charge_dis_7_5_9
Entries 1180
Mean 155.2
RMS 29.23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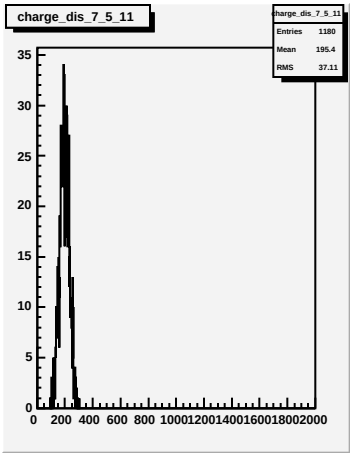
Entries 1180
Mean 149.3
RMS 26.72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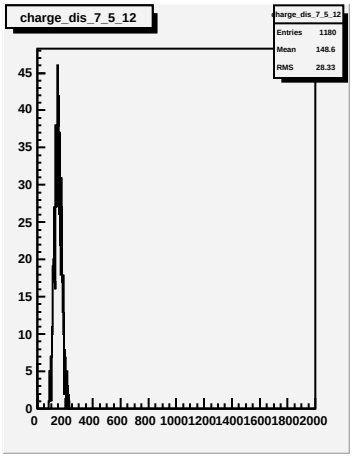
RMS 37.11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Entries 1180
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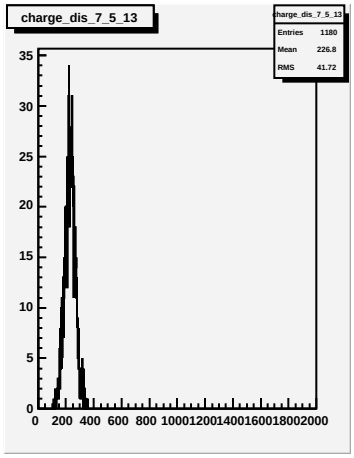
RMS 28.33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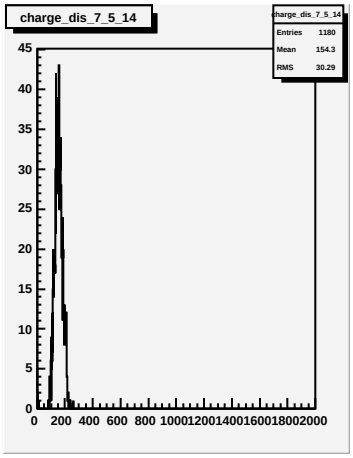
Entries 1180
Mean 226.8
RMS 41.72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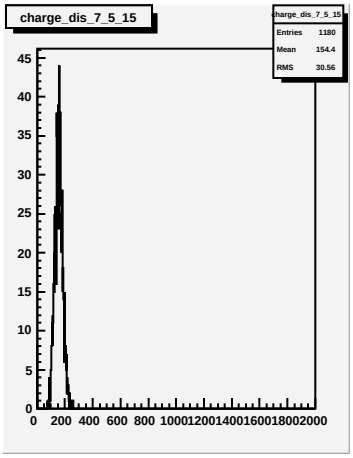
Entries 1180
Mean 154.3
RMS 30.29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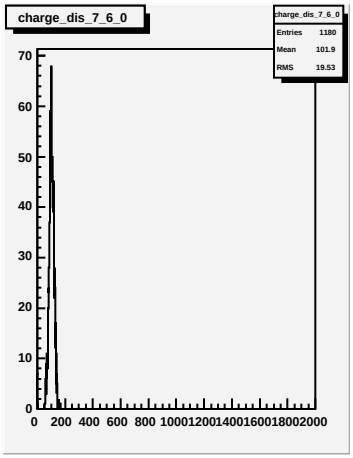
charge_dis_7_5_15
Entries 1180
Mean 154.4
RMS 30.56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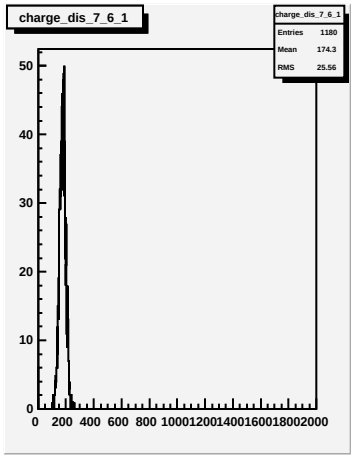
Entries 1180
Mean 101.9
RMS 19.53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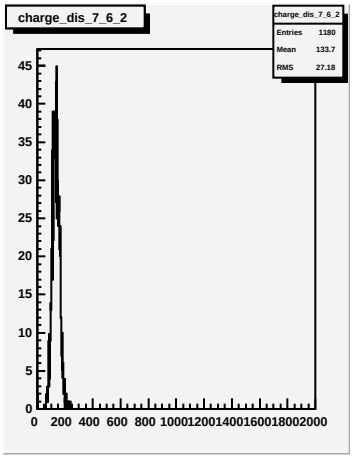
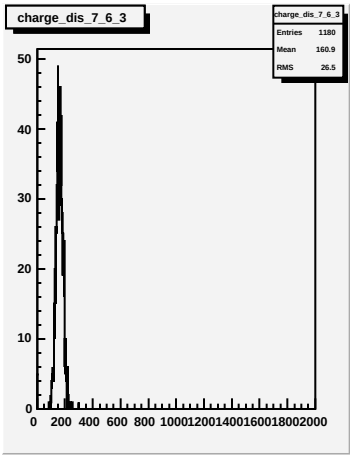
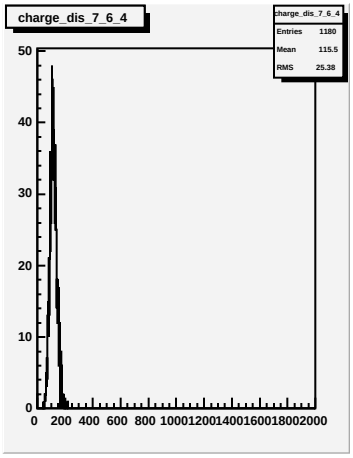
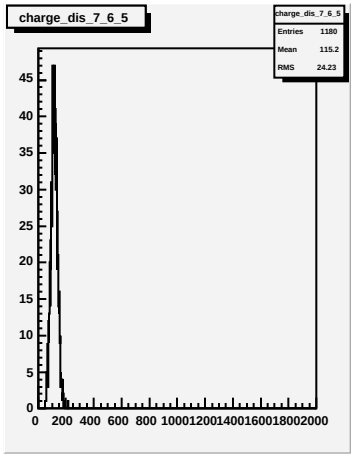
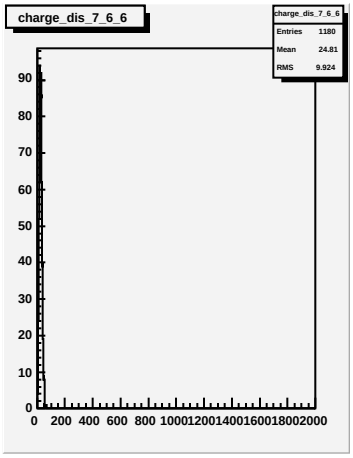
RMS 25.56

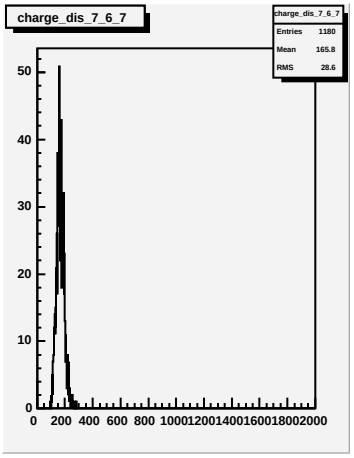

charge_dis_7_6_2
charge_dis_7_6_2
Entries 1180
Mean 133.7
RMS 27.18


charge_dis_7_6_3
charge_dis_7_6_3
Entries 1180
Mean 160.9
RMS 26.5


charge_dis_7_6_4
charge_dis_7_6_4
Entries 1180
Mean 115.5
RMS 25.38


charge_dis_7_6_5
charge_dis_7_6_5
Entries 1180
Mean 115.2
RMS 24.23


charge_dis_7_6_6
charge_dis_7_6_6
Entries 1180
Mean 24.81
RMS 9.924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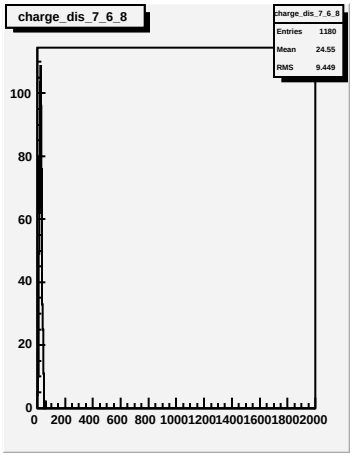
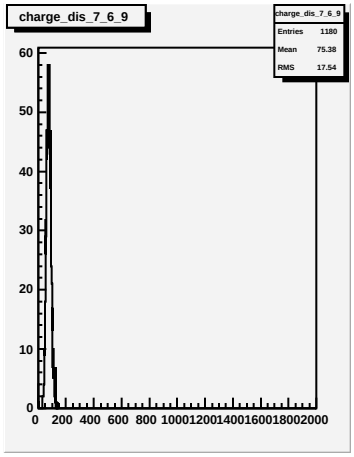
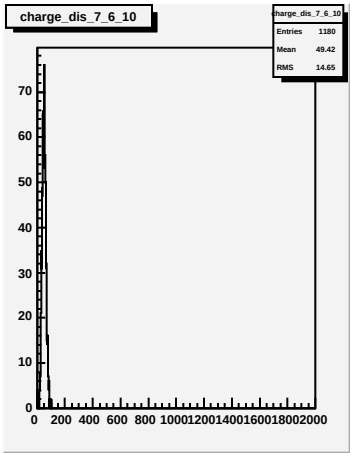
charge_dis_7_6_7
Entries 1180
Mean 165.8
RMS 28.6


charge_dis_7_6_8
charge_dis_7_6_8
Entries 1180
Mean 24.55
RMS 9.449


charge_dis_7_6_9
charge_dis_7_6_9
Entries 1180
Mean 75.38
RMS 17.54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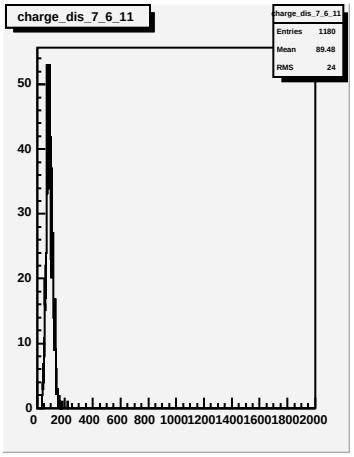
charge_dis_7_6_10
Entries 1180
Mean 49.42
RMS 14.65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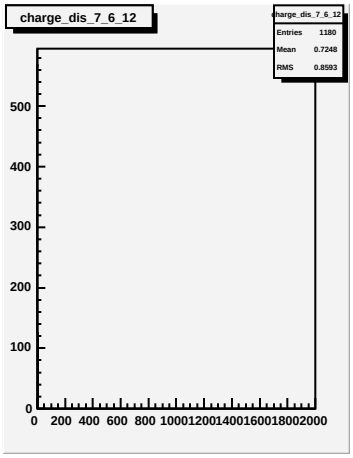
Entries 1180
Mean 89.48
RMS 24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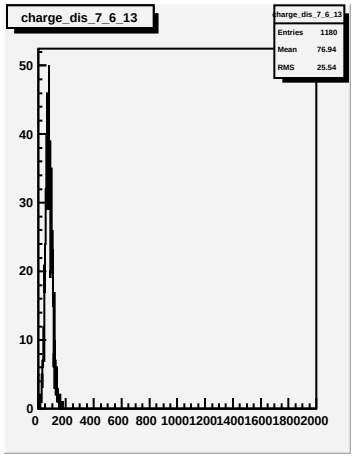
RMS 0.8593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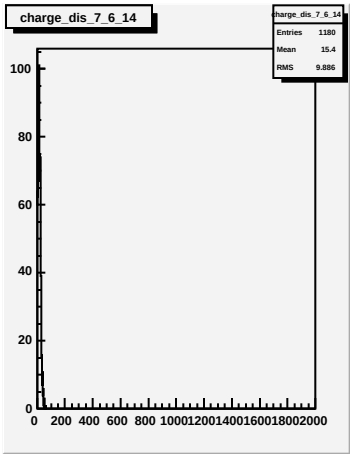
charge_dis_7_6_13
Entries 1180
Mean 76.94
RMS 25.54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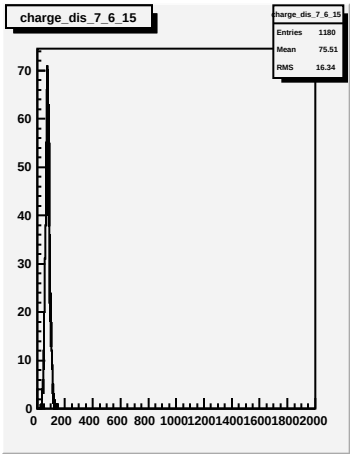
Entries 1180
Mean 15.4
RMS 9.886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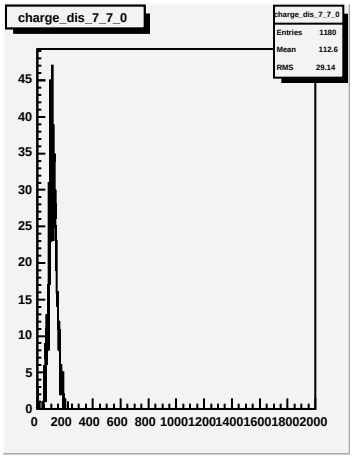
charge_dis_7_6_15
Entries 1180
Mean 75.51
RMS 16.34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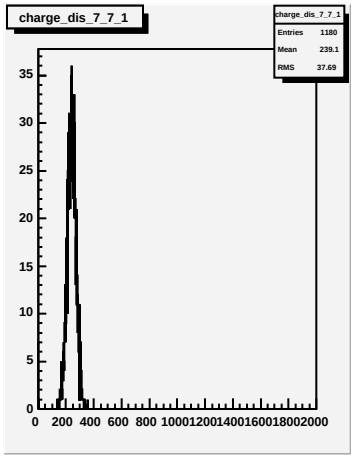
charge_dis_7_7_0
Entries 1180
Mean 112.6
RMS 29.14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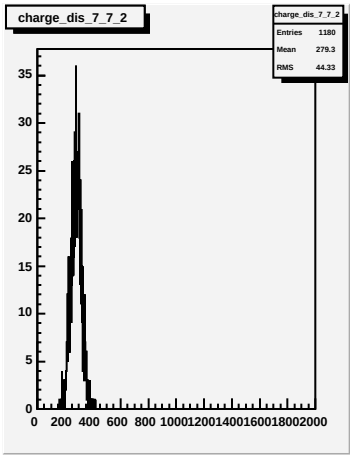
charge_dis_7_7_1
Entries 1180
Mean 239.1
RMS 37.69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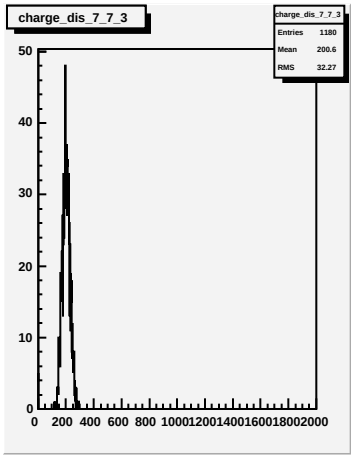
charge_dis_7_7_2
Entries 1180
Mean 279.3
RMS 44.33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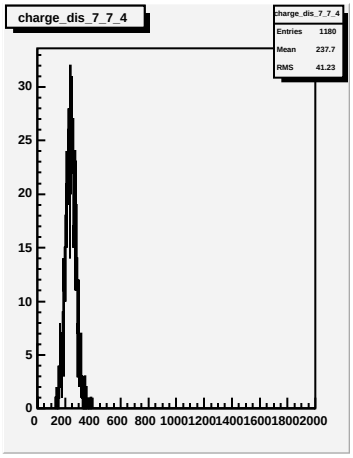
charge_dis_7_7_3
Entries 1180
Mean 200.6
RMS 32.27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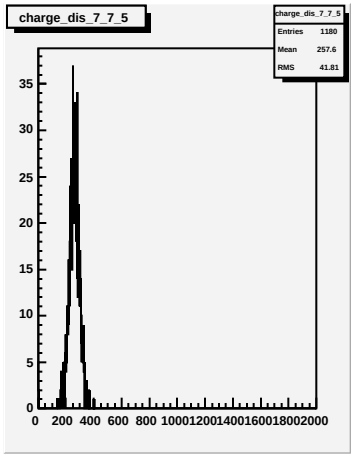
charge_dis_7_7_4
Entries 1180
Mean 237.7
RMS 41.23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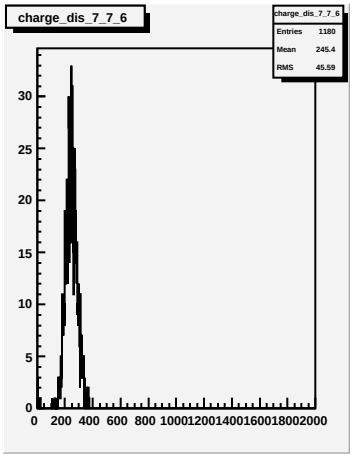
charge_dis_7_7_5
Entries 1180
Mean 257.6
RMS 41.81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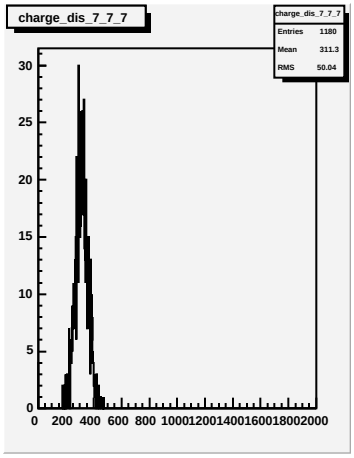
charge_dis_7_7_6
Entries 1180
Mean 245.4
RMS 45.59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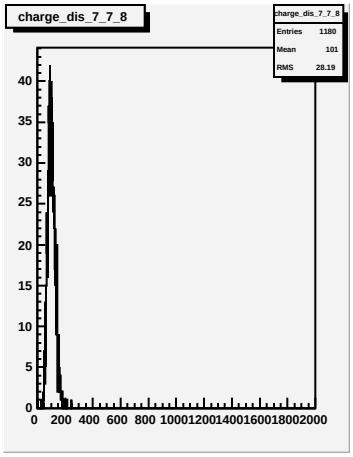
charge_dis_7_7_7
Entries 1180
Mean 311.3
RMS 50.04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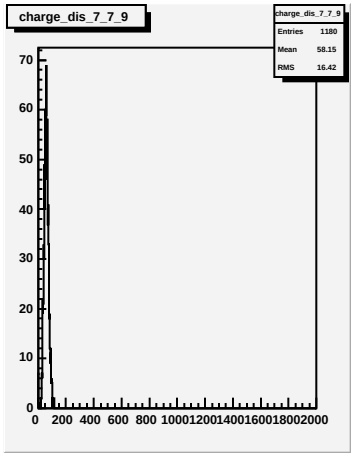
charge_dis_7_7_8
Entries 1180
Mean 101
RMS 28.19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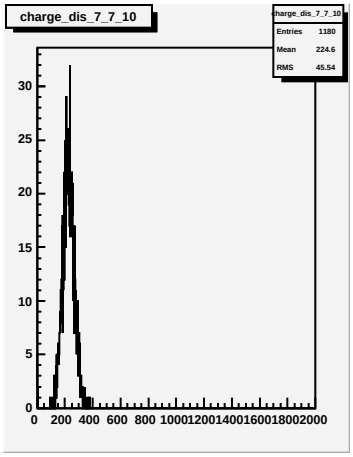
Entries 1180
Mean 58.15
RMS 16.42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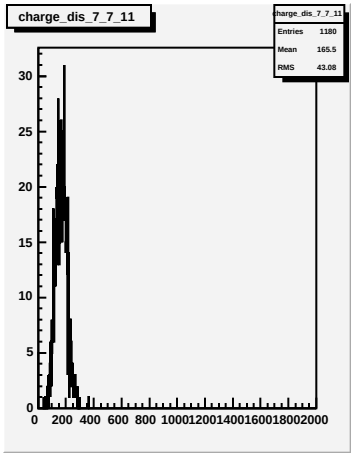
Entries 1180
Mean 224.6
RMS 45.54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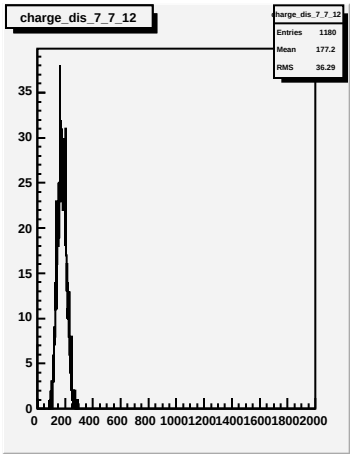
charge_dis_7_7_11
Entries 1180
Mean 165.5
RMS 43.08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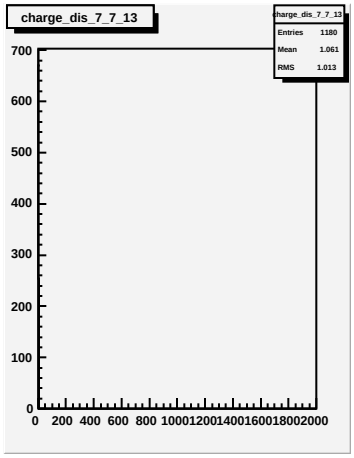
charge_dis_7_7_12
Entries 1180
Mean 177.2
RMS 36.29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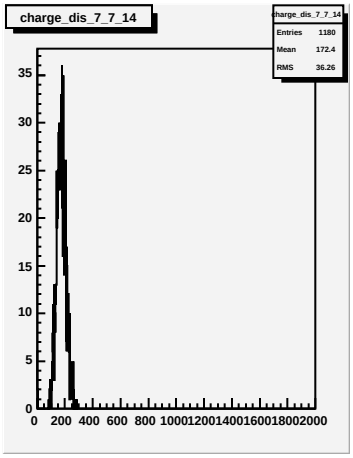
Entries 1180
Mean 1.061
RMS 1.013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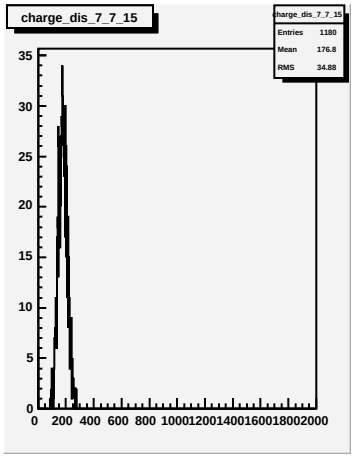
charge_dis_7_7_14
Entries 1180
Mean 172.4
RMS 36.26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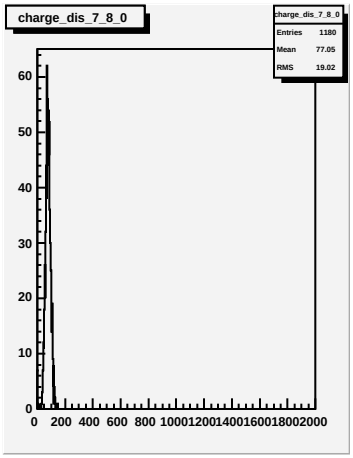
Entries 1180
Mean 176.8
RMS 34.88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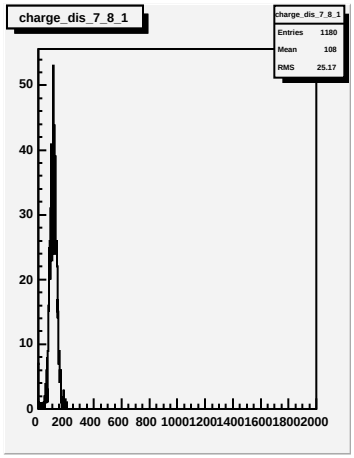
charge_dis_7_8_0
Entries 1180
Mean 77.05
RMS 19.02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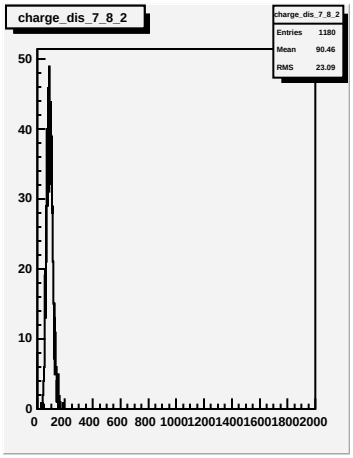
charge_dis_7_8_1
Entries 1180
Mean 108
RMS 25.17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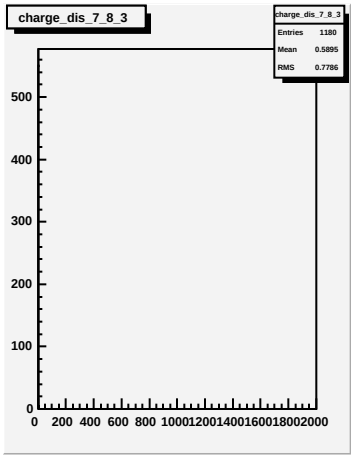
Entries 1180
Mean 90.46
RMS 23.09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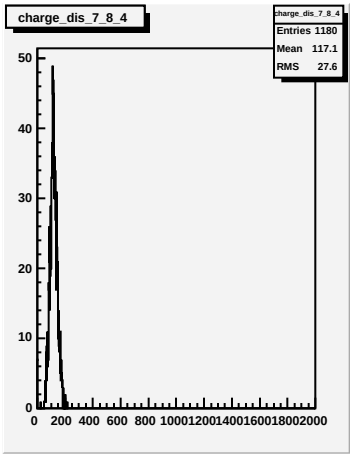
Entries 1180
Mean 0.5895
RMS 0.7786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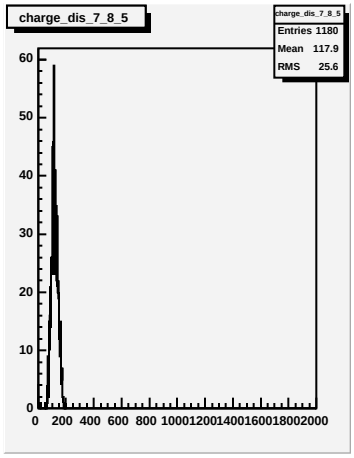
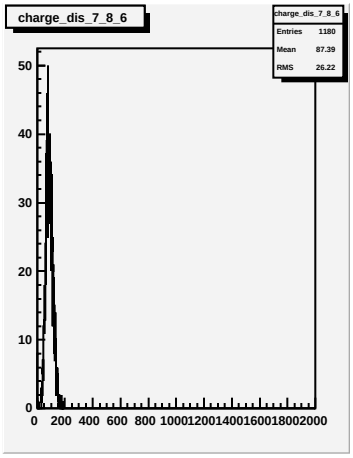
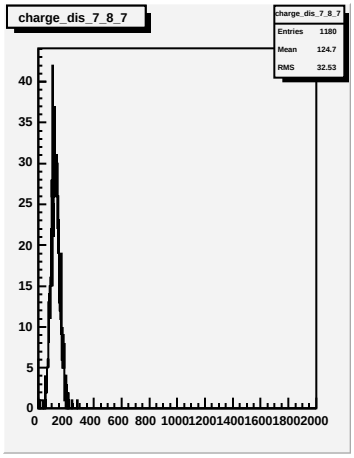
charge_dis_7_8_4
Entries 1180
Mean 117.1
RMS 27.6


charge_dis_7_8_5
charge_dis_7_8_5
Entries 1180
Mean 117.9
RMS 25.6


charge_dis_7_8_6
charge_dis_7_8_6
Entries 1180
Mean 87.39
RMS 26.22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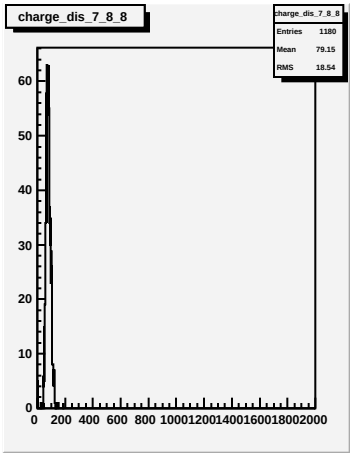
charge_dis_7_8_7
Entries 1180
Mean 124.7
RMS 32.53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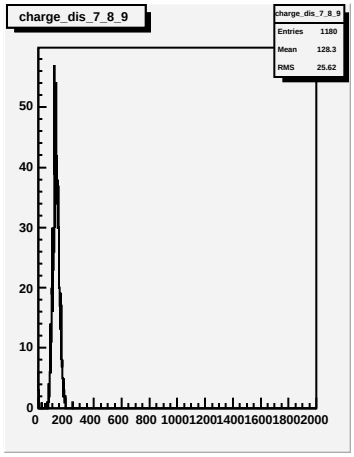
charge_dis_7_8_8
Entries 1180
Mean 79.15
RMS 18.54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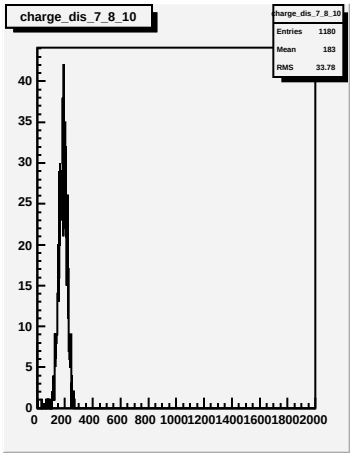
Entries 1180
Mean 128.3
RMS 25.62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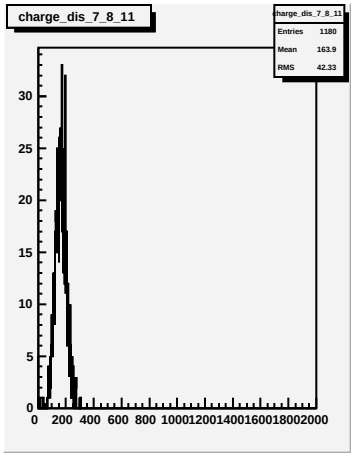
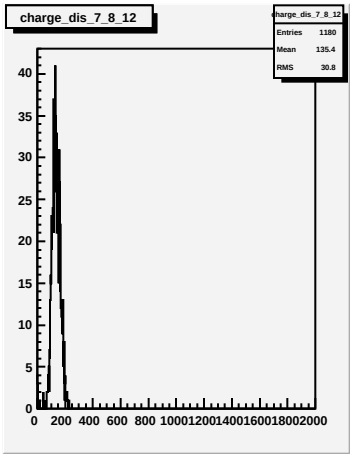
charge_dis_7_8_10
Entries 1180
Mean 183
RMS 33.78


charge_dis_7_8_11
charge_dis_7_8_11
Entries 1180
Mean 163.9
RMS 42.33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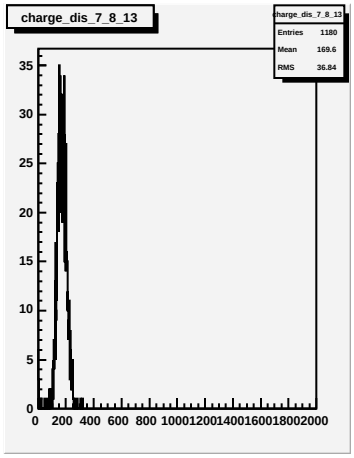
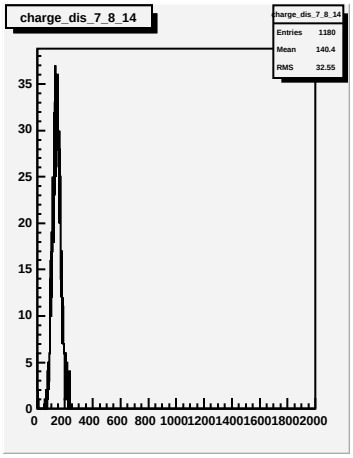
charge_dis_7_8_12
Entries 1180
Mean 135.4
RMS 30.8


charge_dis_7_8_13
charge_dis_7_8_13
Entries 1180
Mean 169.6
RMS 36.84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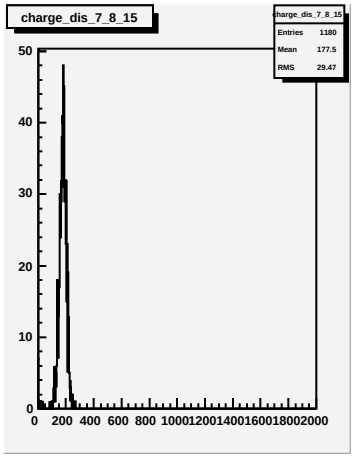
charge_dis_7_8_14
Entries 1180
Mean 140.4
RMS 32.55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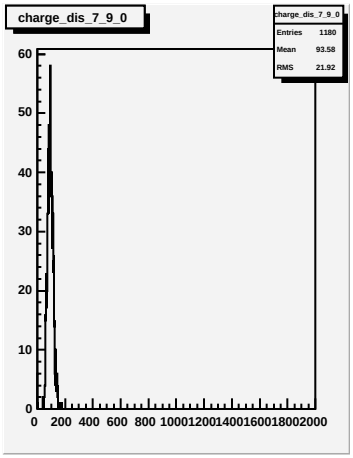
charge_dis_7_8_15
Entries 1180
Mean 177.5
RMS 29.47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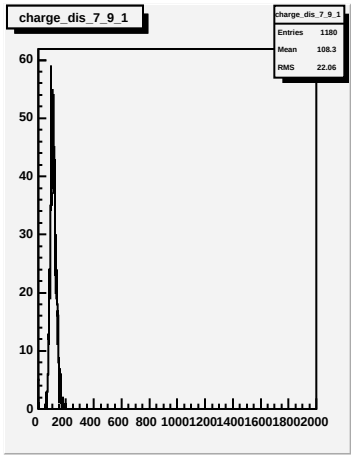
charge_dis_7_9_0
Entries 1180
Mean 93.58
RMS 21.92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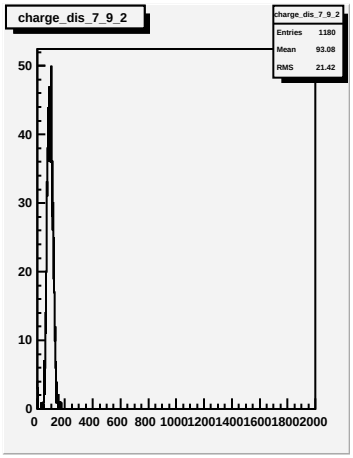
Entries 1180
Mean 108.3
RMS 22.06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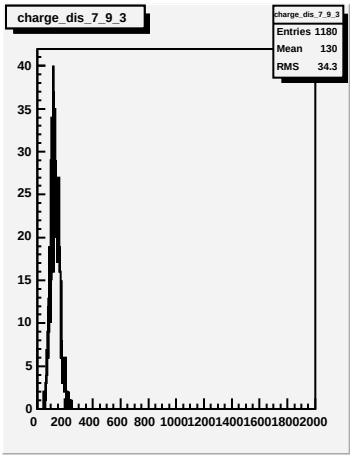
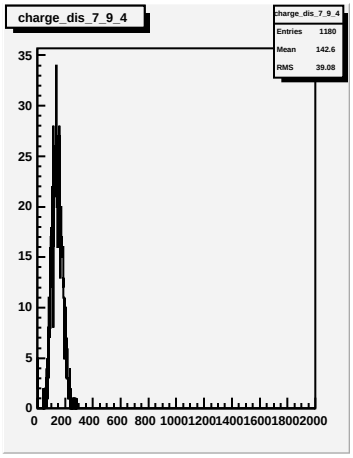
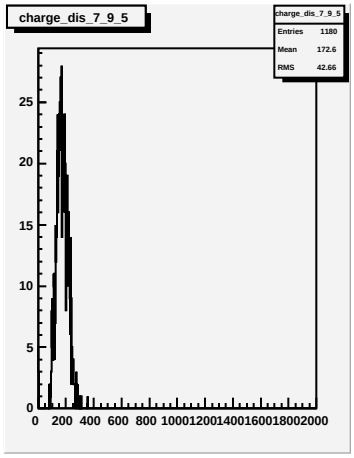
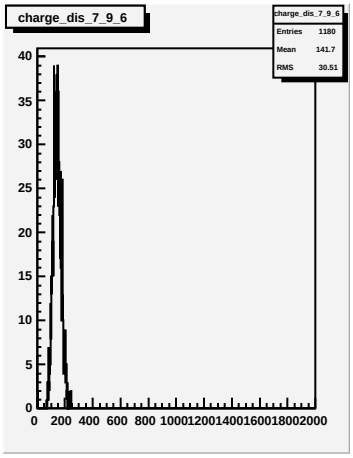
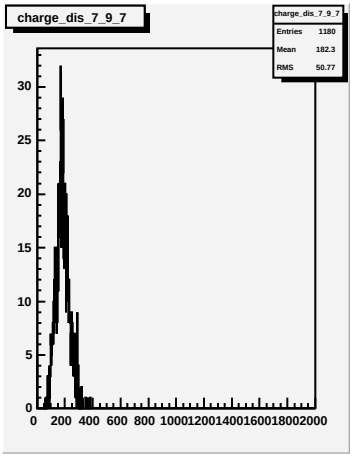
charge_dis_7_9_2
Entries 1180
Mean 93.08
RMS 21.42

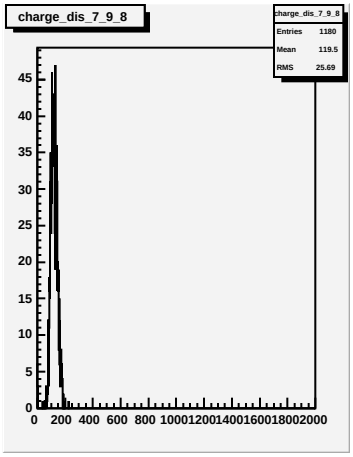

charge_dis_7_9_3
charge_dis_7_9_3
Entries 1180
Mean 130
RMS 34.3

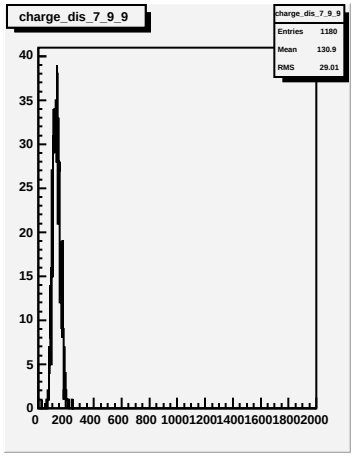

charge_dis_7_9_4
charge_dis_7_9_4
Entries 1180
Mean 142.6
RMS 39.08


charge_dis_7_9_5
charge_dis_7_9_5
Entries 1180
Mean 172.6
RMS 42.66


charge_dis_7_9_6
charge_dis_7_9_6
Entries 1180
Mean 141.7
RMS 30.51


charge_dis_7_9_7
charge_dis_7_9_7
Entries 1180
Mean 182.3
RMS 50.77


charge_dis_7_9_8
charge_dis_7_9_8
Entries 1180
Mean 119.5
RMS 25.69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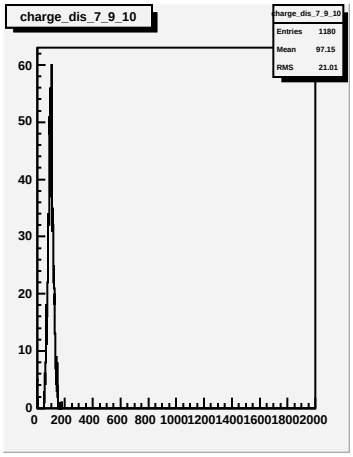
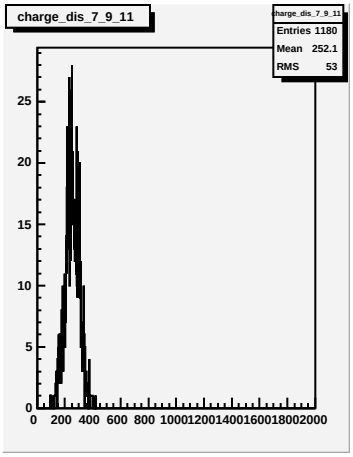
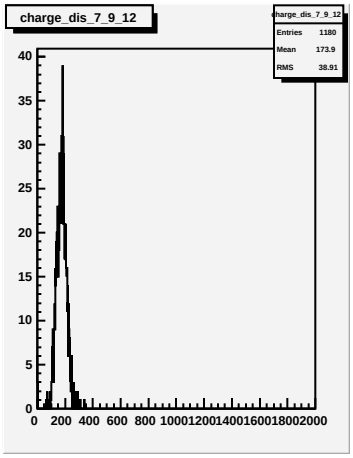
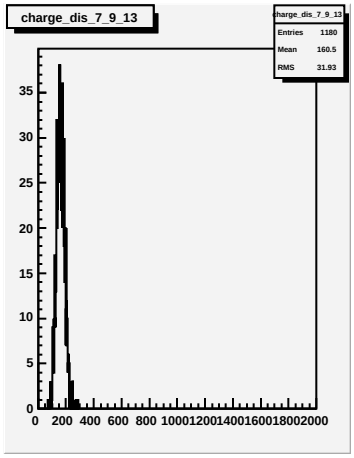
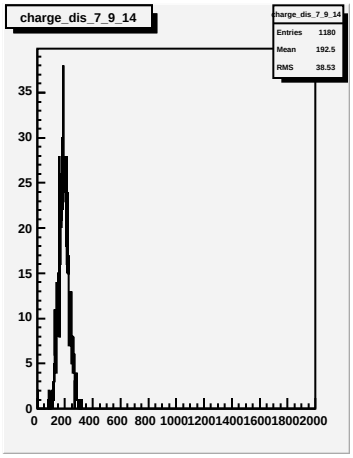
charge_dis_7_9_9
Entries 1180
Mean 130.9
RMS 29.01

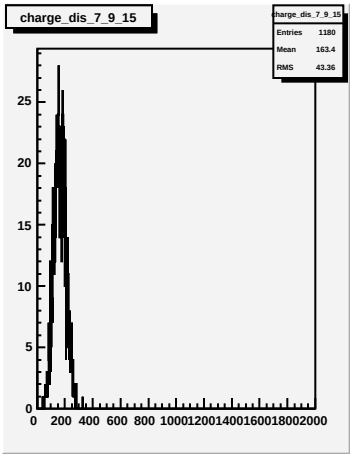

charge_dis_7_9_10
charge_dis_7_9_10
Entries 1180
Mean 97.15
RMS 21.01

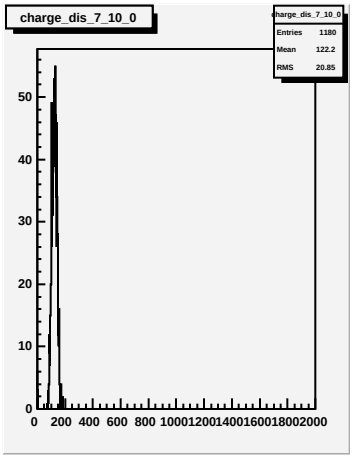

charge_dis_7_9_11
charge_dis_7_9_11
Entries 1180
Mean 252.1
RMS 53

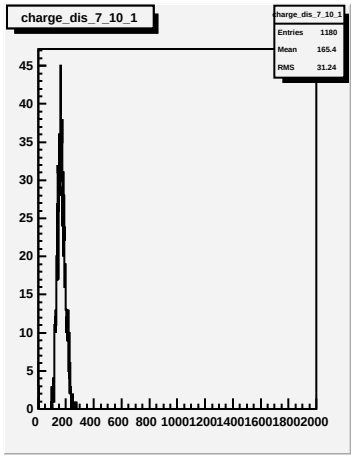

charge_dis_7_9_12
charge_dis_7_9_12
Entries 1180
Mean 173.9
RMS 38.91

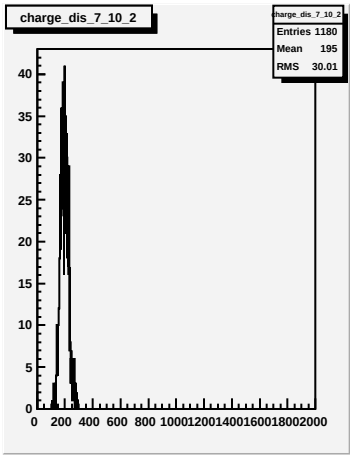

charge_dis_7_9_13
charge_dis_7_9_13
Entries 1180
Mean 160.5
RMS 31.93

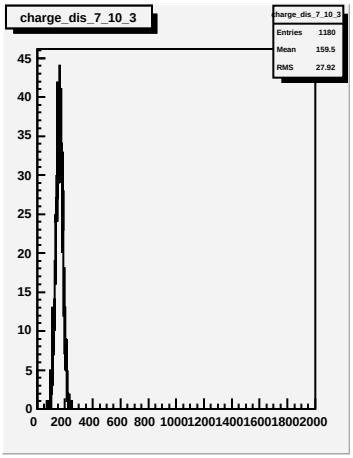

charge_dis_7_9_14
charge_dis_7_9_14
Entries 1180
Mean 192.5
RMS 38.53

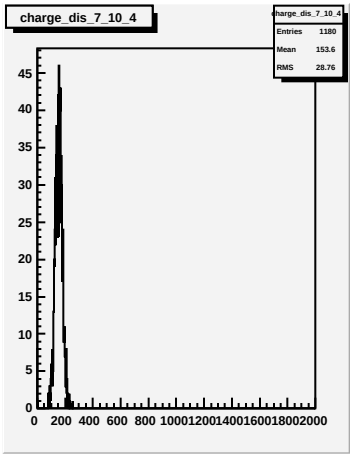

charge_dis_7_9_15
charge_dis_7_9_15
Entries 1180
Mean 163.4
RMS 43.36

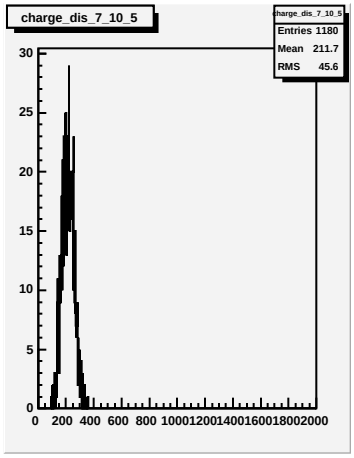

charge_dis_7_10_0
Entries 1180
Mean 122.2
RMS 20.85

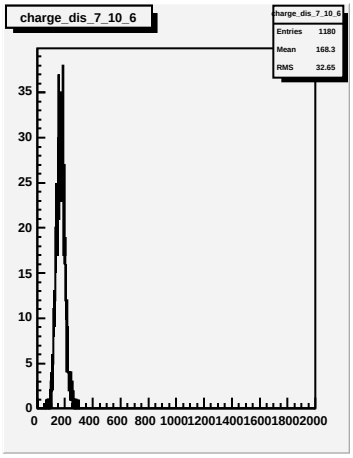

charge_dis_7_10_1
Entries 1180
Mean 165.4
RMS 31.24

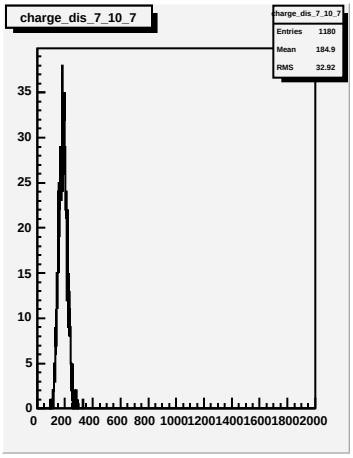

charge_dis_7_10_2
Entries 1180
Mean 195
RMS 30.01

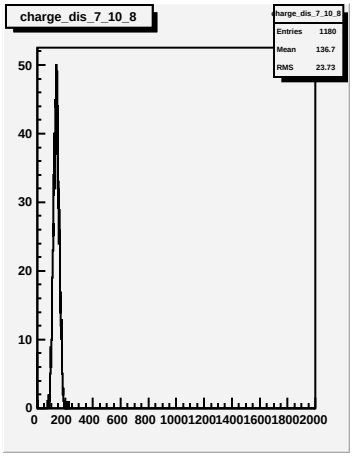

charge_dis_7_10_3
Entries 1180
Mean 159.5
RMS 27.92


charge_dis_7_10_4
Entries 1180
Mean 153.6
RMS 28.76


charge_dis_7_10_5
Entries 1180
Mean 211.7
RMS 45.6


charge_dis_7_10_6
Entries 1180
Mean 168.3
RMS 32.65


charge_dis_7_10_7
Entries 1180
Mean 184.9
RMS 32.92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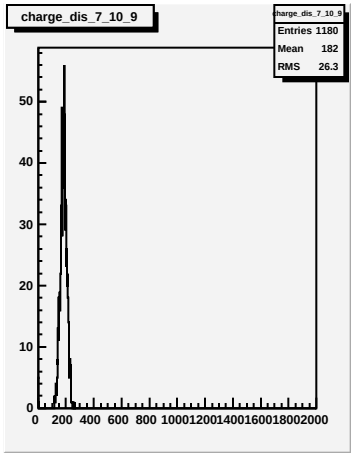
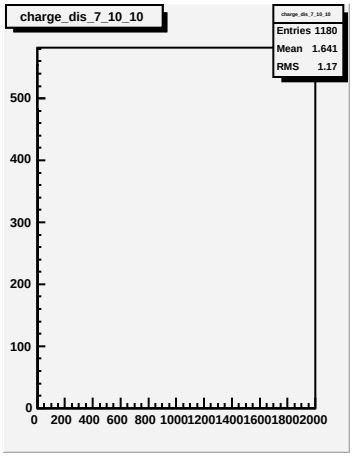
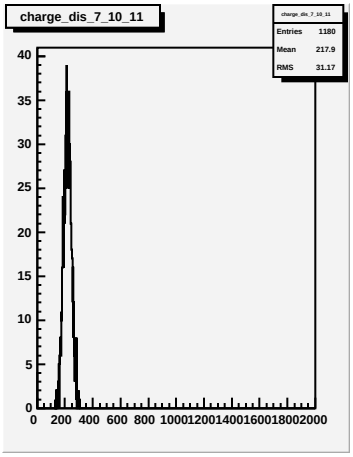
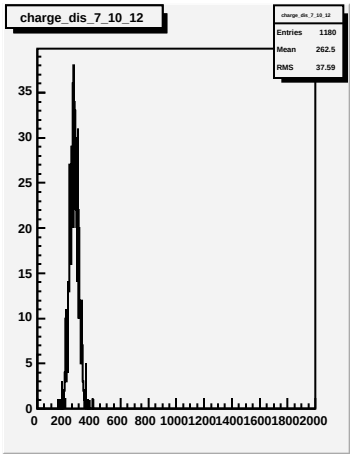
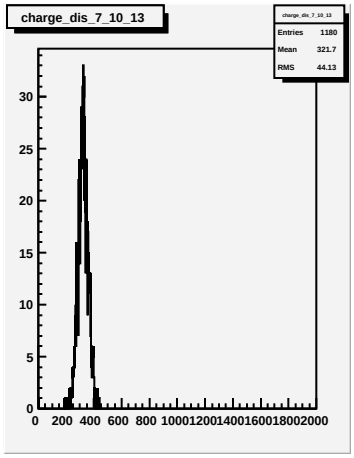
Entries 1180
Mean 136.7
RMS 23.73

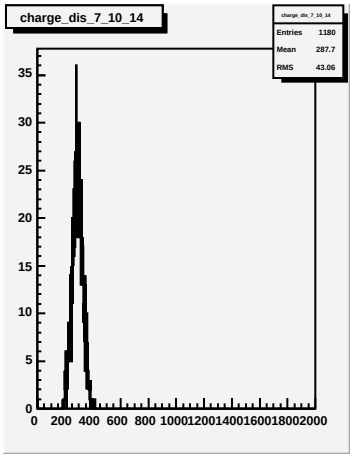

charge_dis_7_10_9
Entries 1180
Mean 182
RMS 26.3

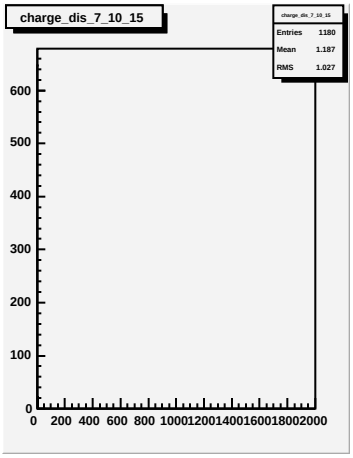

charge_dis_7_10_10
Entries 1180
Mean 1.641
RMS 1.17

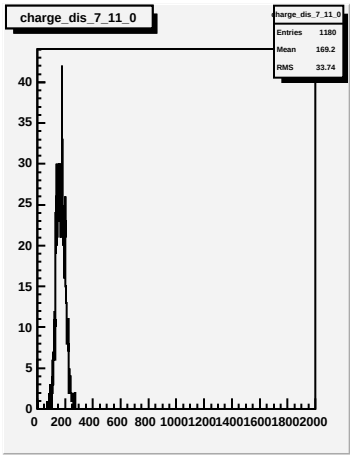

charge_dis_7_10_11
Entries 1180
Mean 217.9
RMS 31.17


charge_dis_7_10_12
Entries 1180
Mean 262.5
RMS 37.59


charge_dis_7_10_13
Entries 1180
Mean 321.7
RMS 44.13


charge_dis_7_10_14
Entries 1180
Mean 287.7
RMS 43.06


charge_dis_7_10_15
Entries 1180
Mean 1.187
RMS 1.027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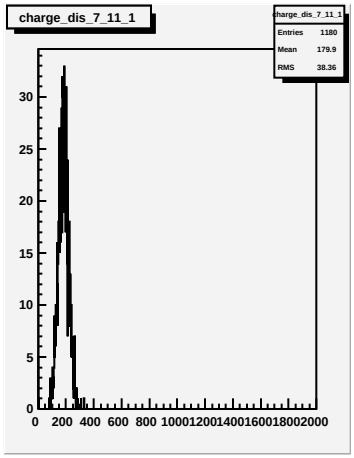
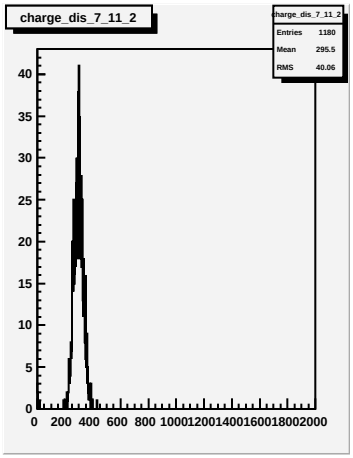
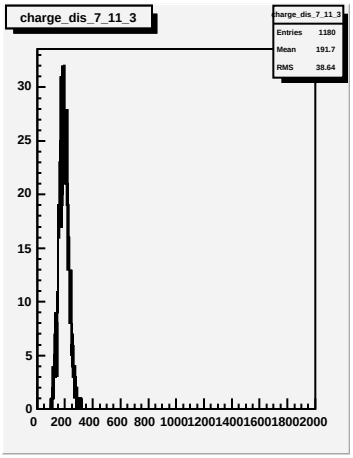
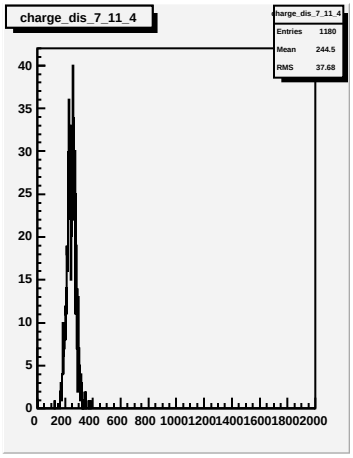
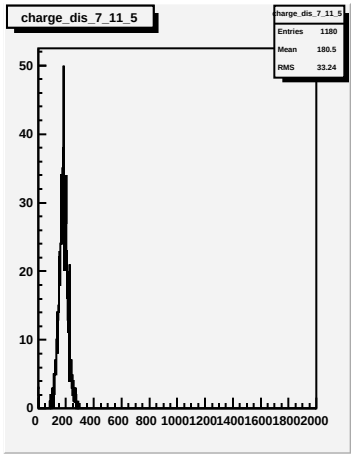
Entries 1180
Mean 169.2
RMS 33.74

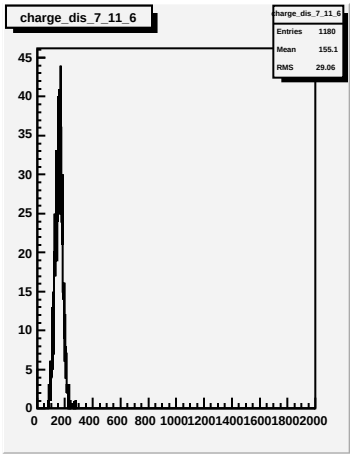

charge_dis_7_11_1
Entries 1180
Mean 179.9
RMS 38.36


charge_dis_7_11_2
Entries 1180
Mean 295.5
RMS 40.06


charge_dis_7_11_3
Entries 1180
Mean 191.7
RMS 38.64


charge_dis_7_11_4
Entries 1180
Mean 244.5
RMS 37.68


charge_dis_7_11_5
Entries 1180
Mean 180.5
RMS 33.24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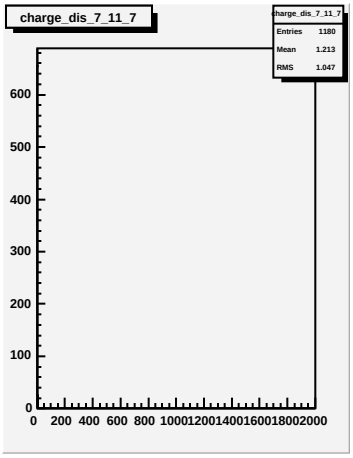
Entries 1180
Mean 155.1
RMS 29.06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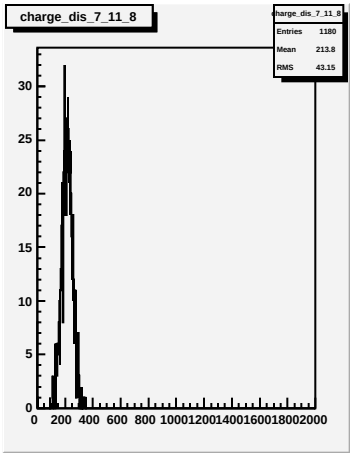
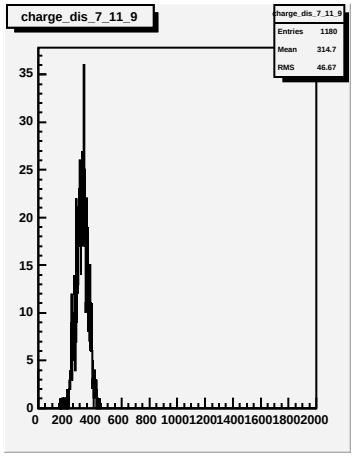
Entries 1180
Mean 1.213
RMS 1.047


charge_dis_7_11_8
Entries 1180
Mean 213.8
RMS 43.15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Entries 1180
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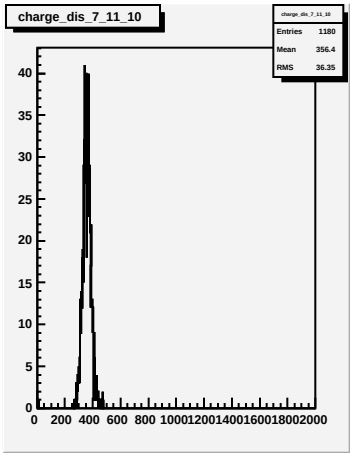
RMS 46.67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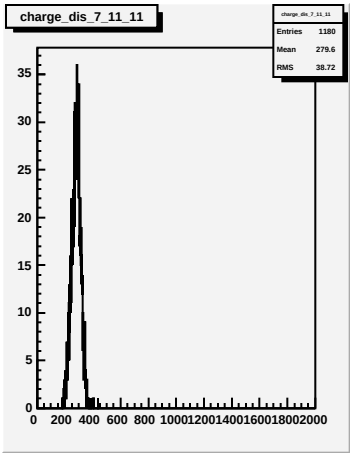
Entries 1180
Mean 356.4
RMS 36.35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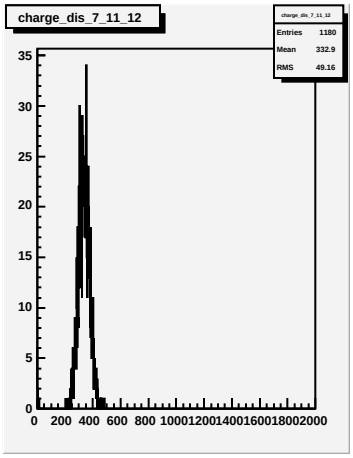
Entries 1180
Mean 279.6
RMS 38.72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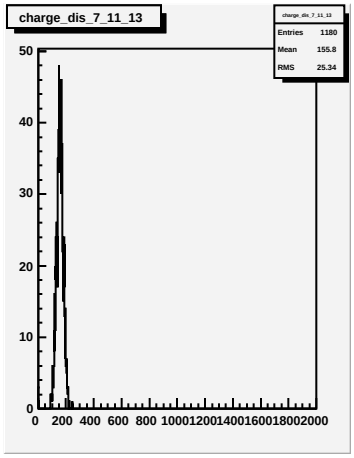
Entries 1180
Mean 332.9
RMS 49.16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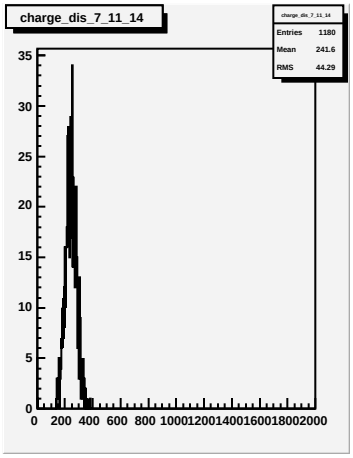
Entries 1180
Mean 155.8
RMS 25.34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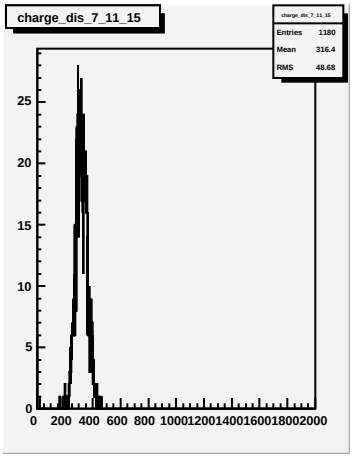
Entries 1180
Mean 241.6
RMS 44.29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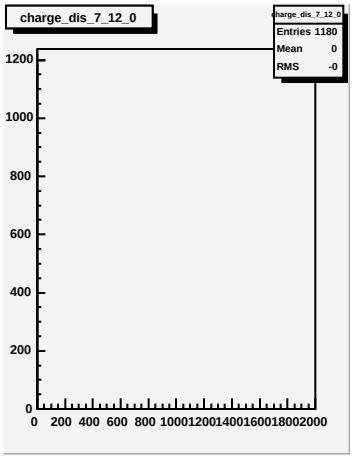
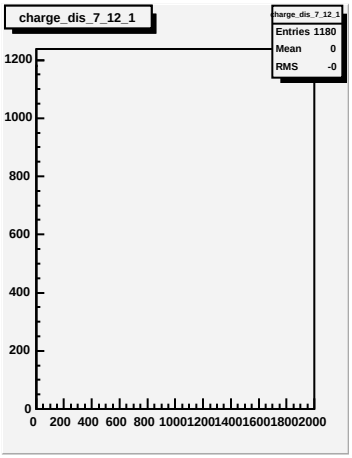
Entries 1180
Mean 316.4
RMS 48.68


charge_dis_7_12_0
Entries 1180
Mean 0
RMS -0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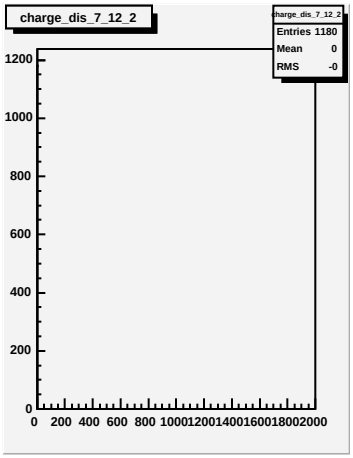
Entries 1180
Mean 0
RMS -0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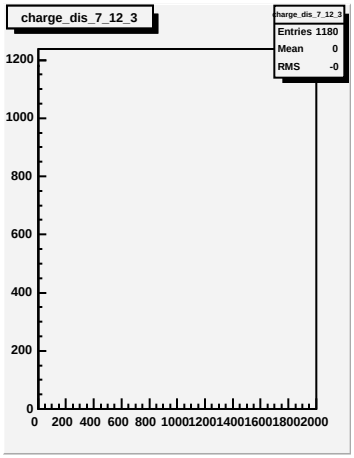
Entries 1180
Mean 0
RMS -0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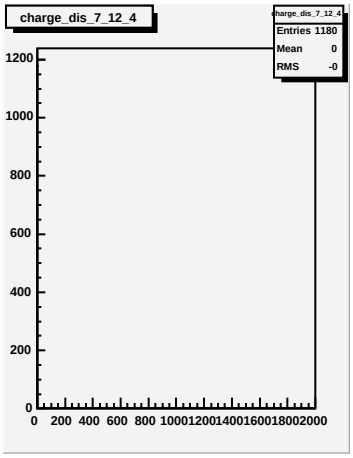
Entries 1180
Mean 0
RMS -0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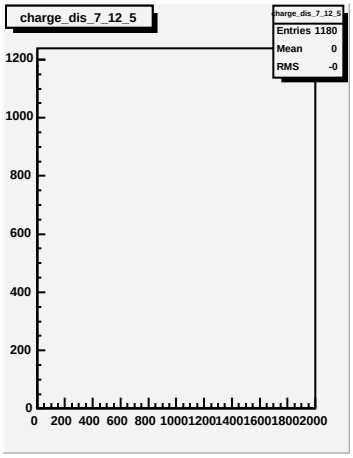
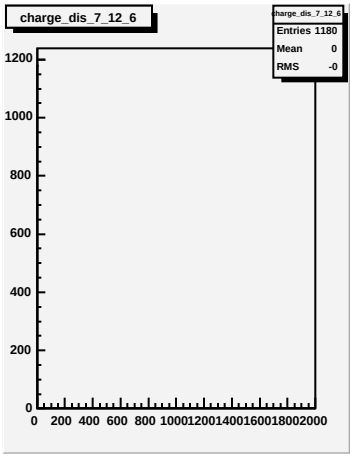
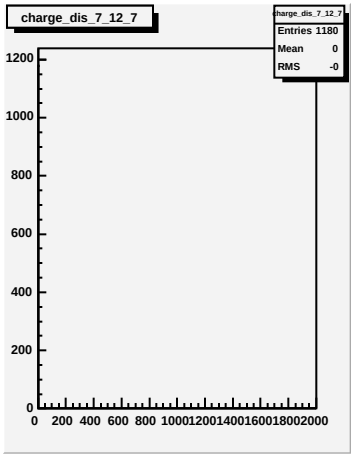
Entries 1180
Mean 0
RMS -0


charge_dis_7_12_5
Entries 1180
Mean 0
RMS -0


charge_dis_7_12_6
Entries 1180
Mean 0
RMS -0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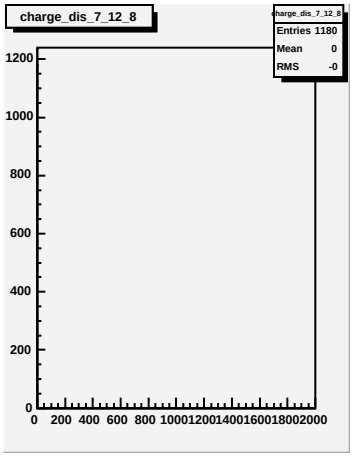
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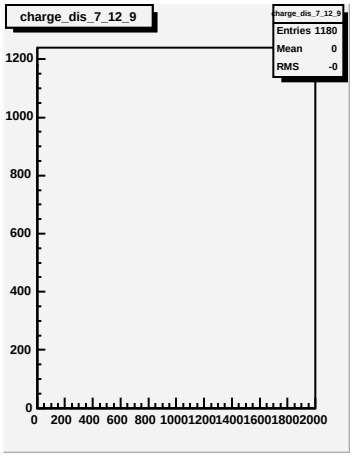
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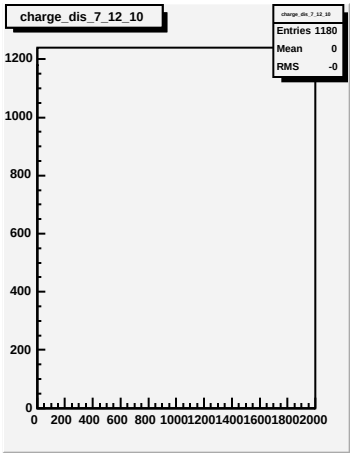
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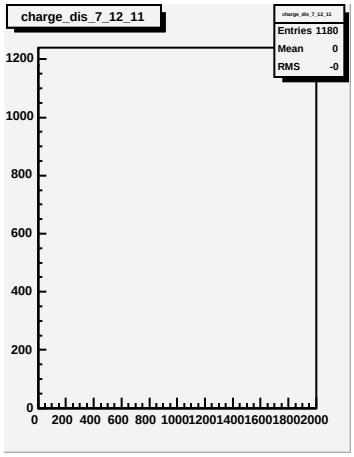
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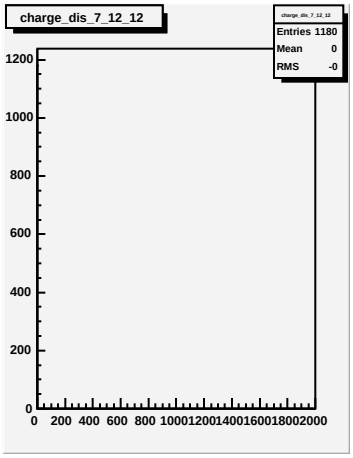
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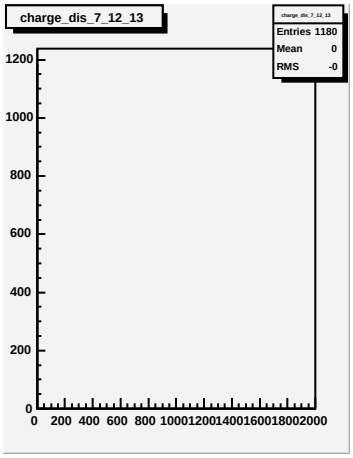
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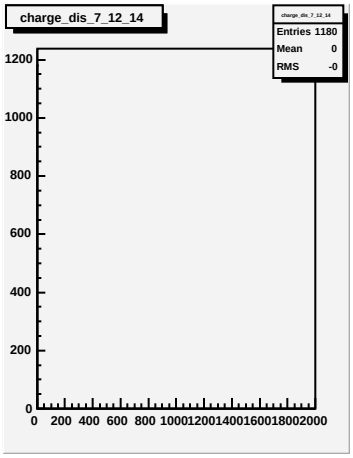
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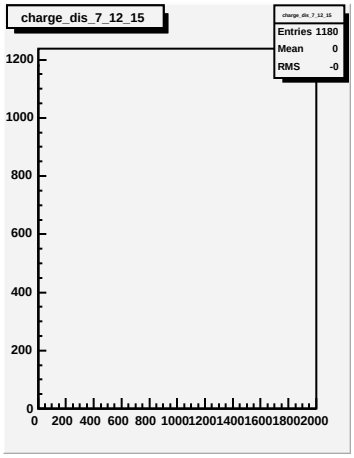
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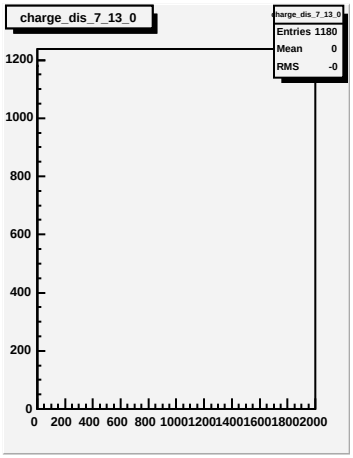
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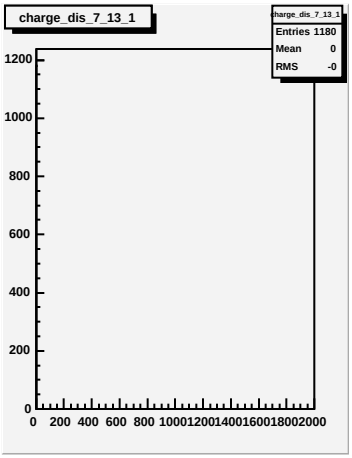
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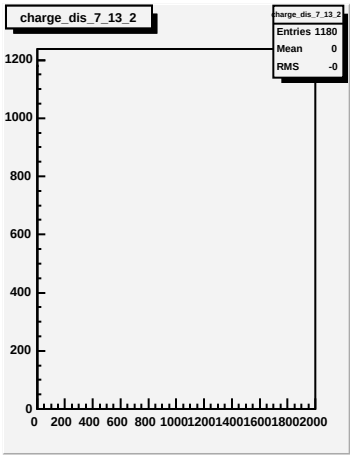
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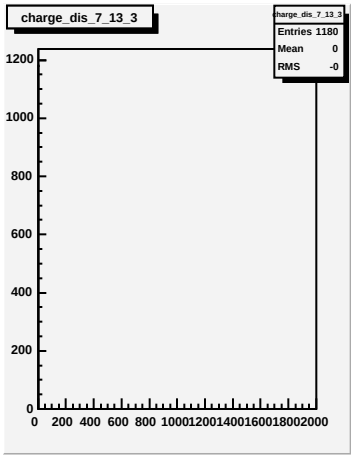
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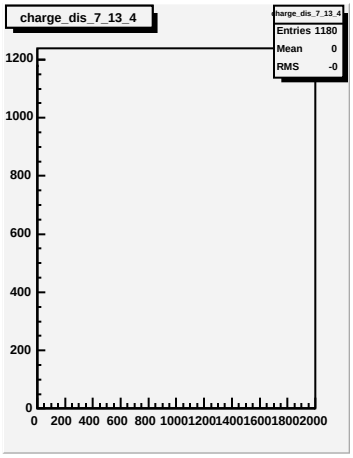
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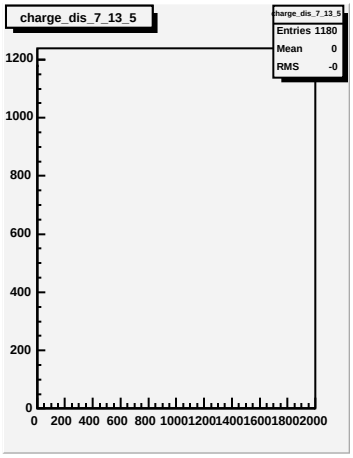
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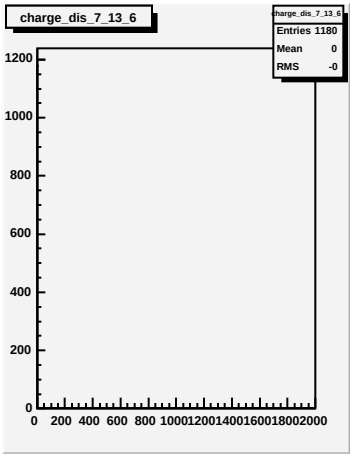
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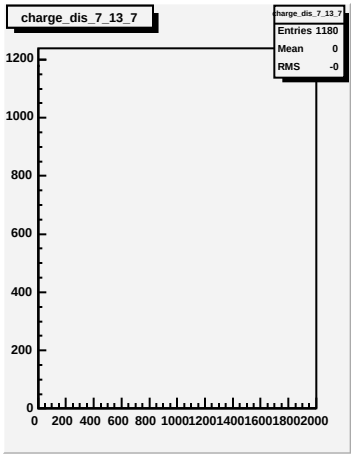
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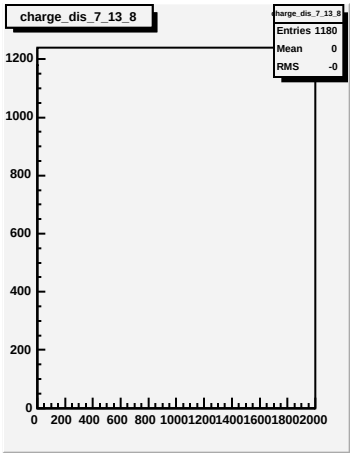
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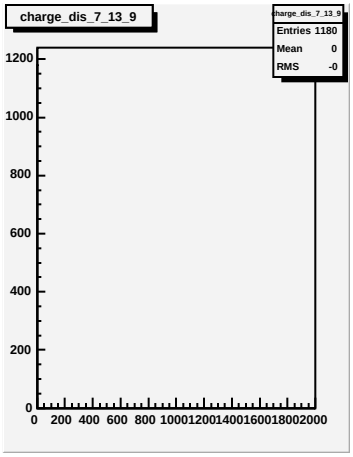
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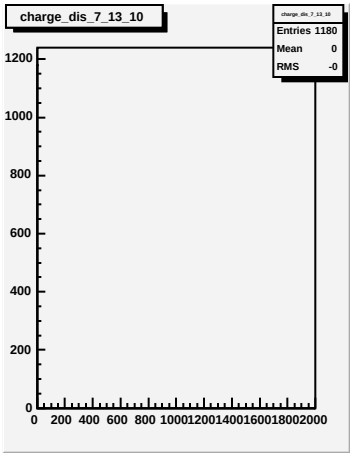
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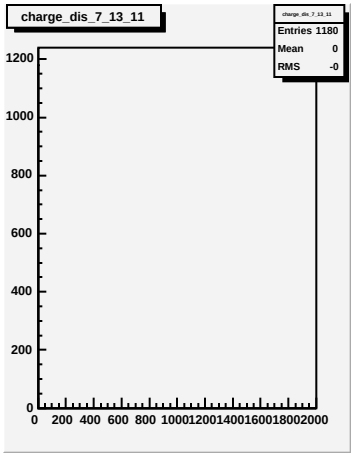
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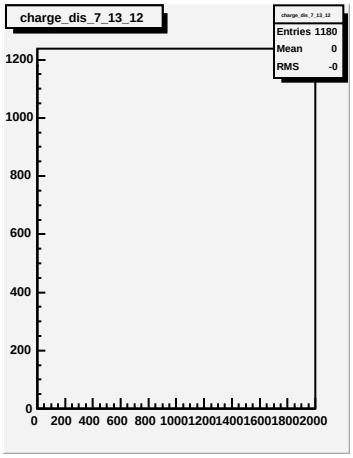
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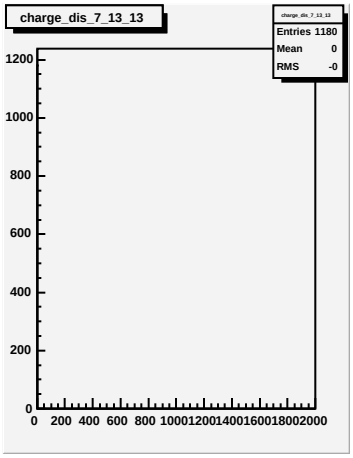
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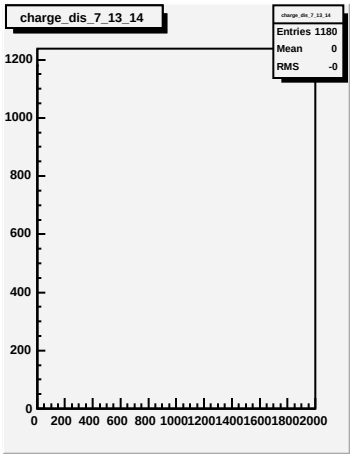
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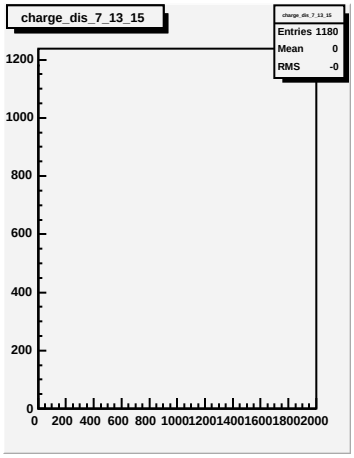
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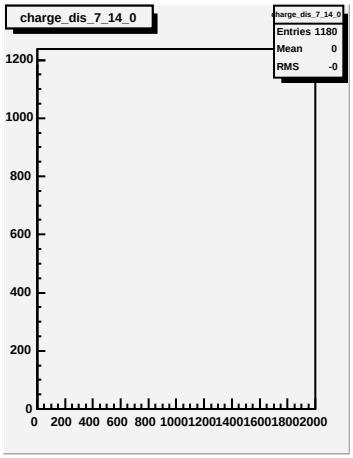
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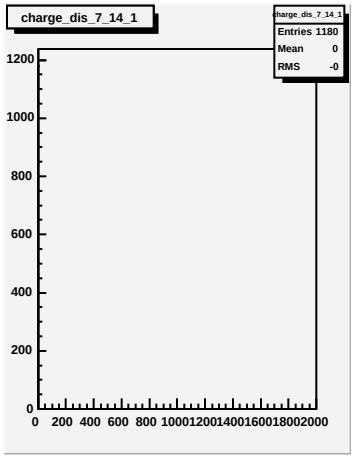
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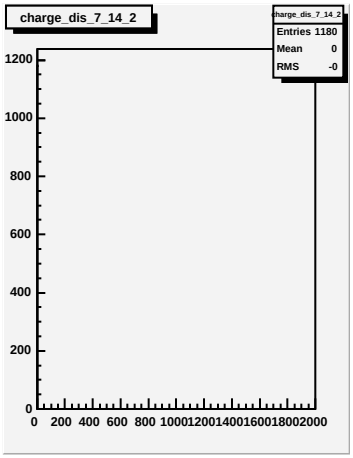
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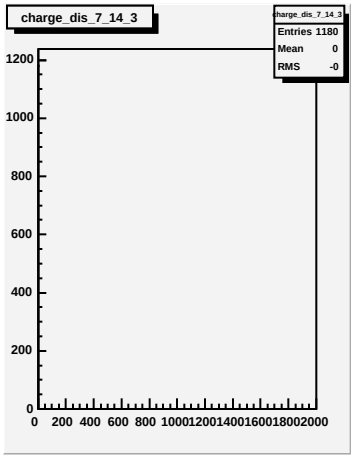
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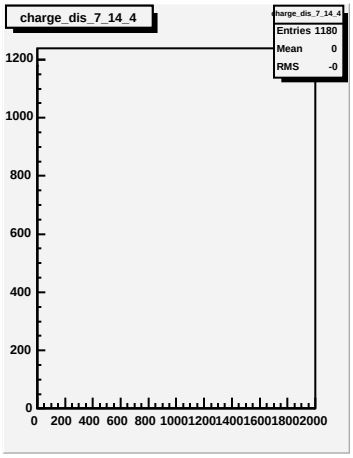
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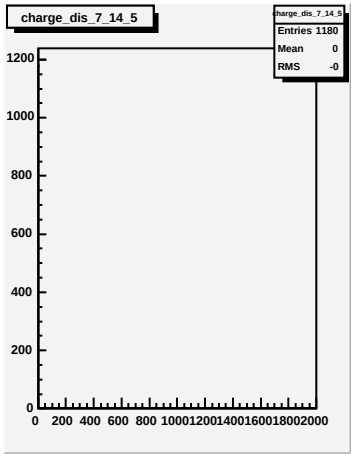
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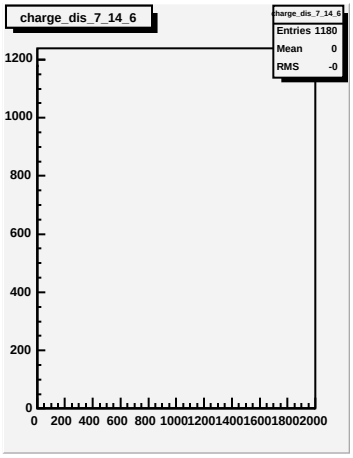
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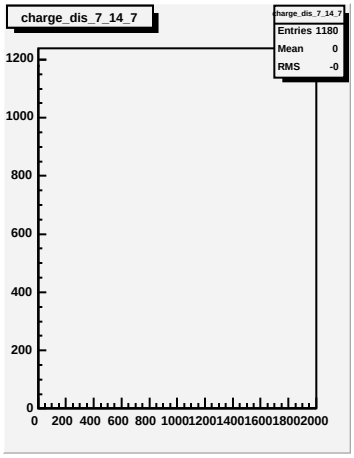
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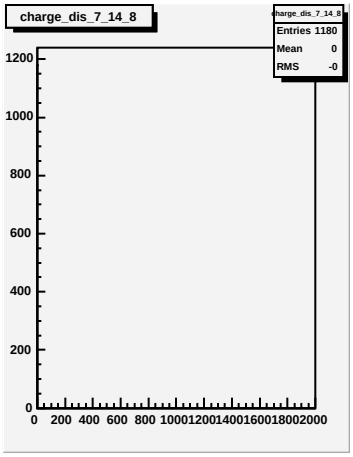
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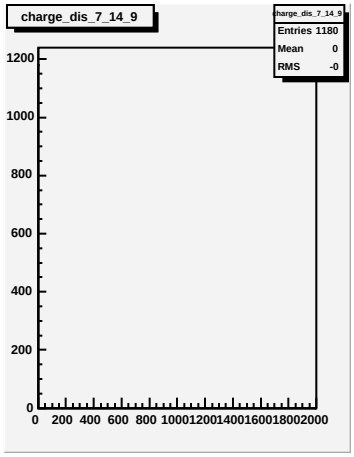
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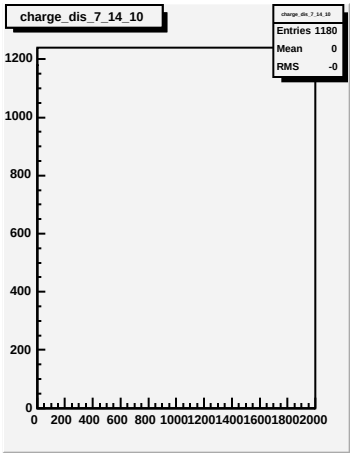
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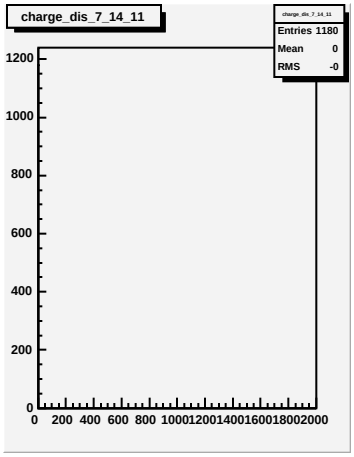
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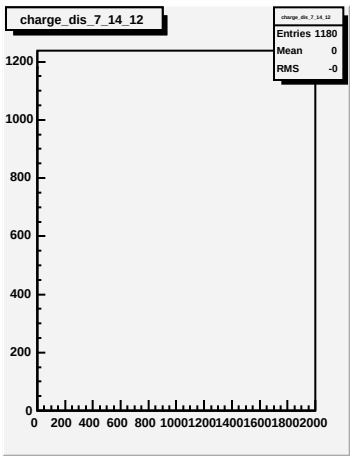
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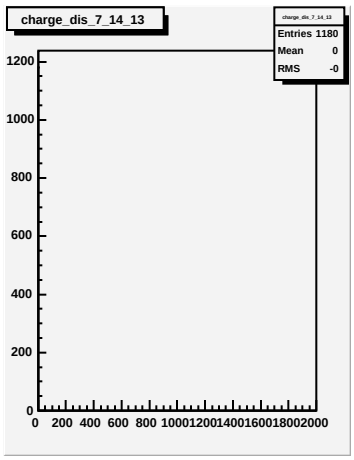
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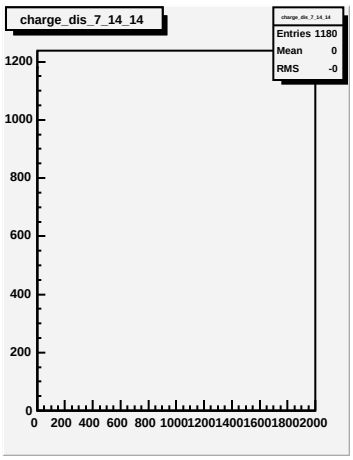
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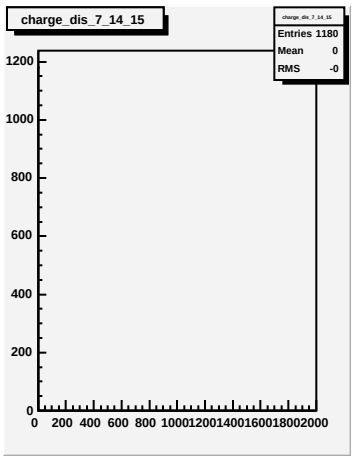
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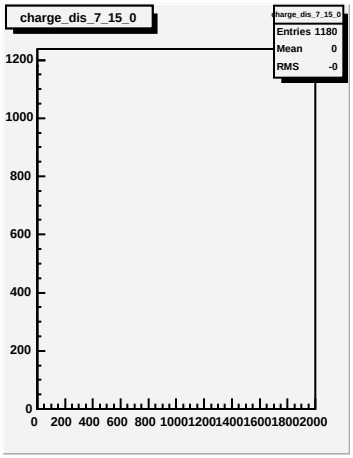
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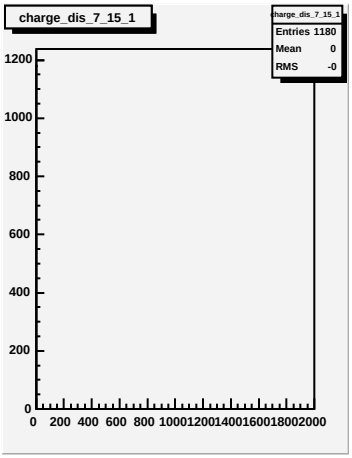
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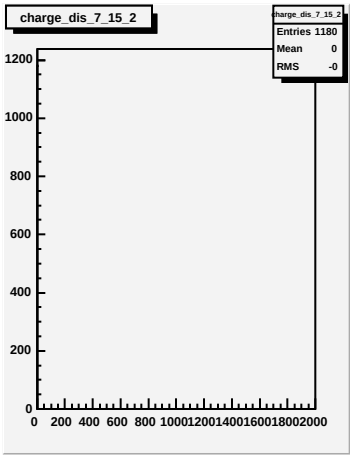
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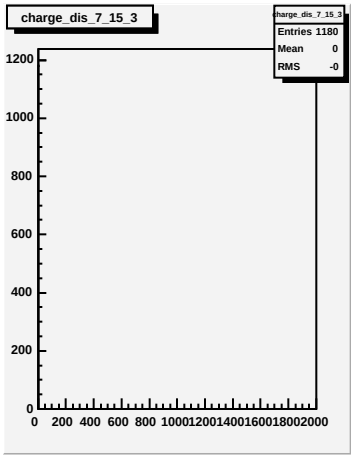
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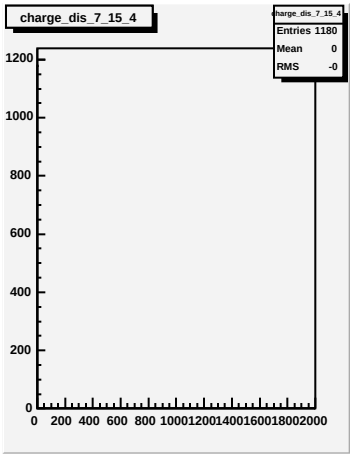
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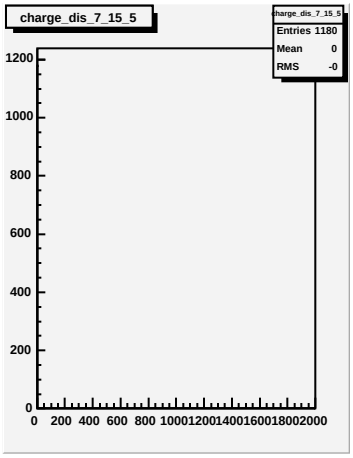
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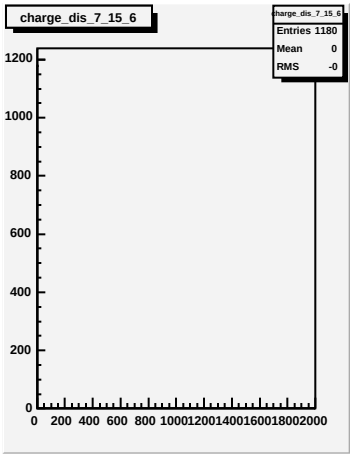
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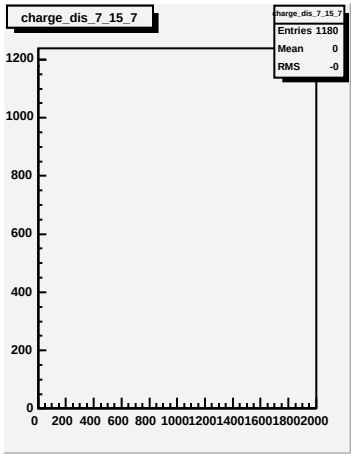
RMS -0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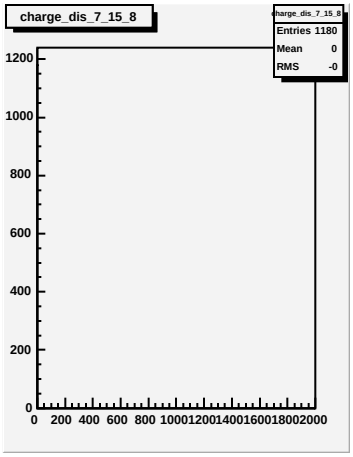
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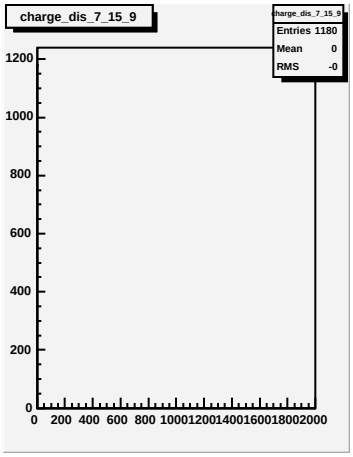
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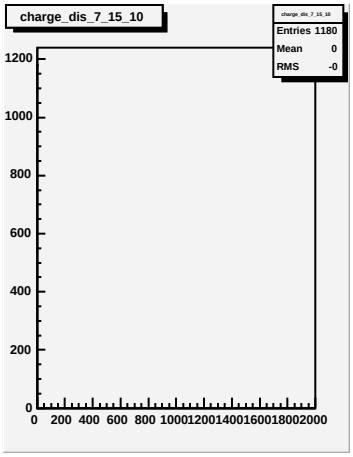
RMS -0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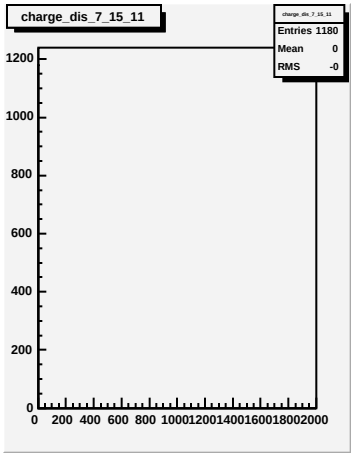
RMS -0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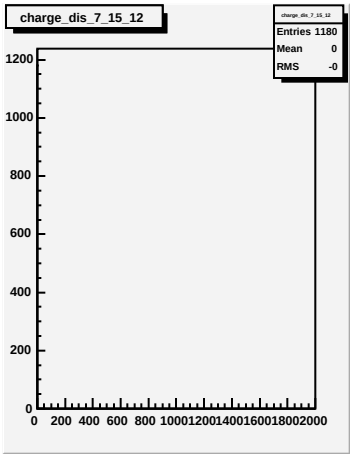
RMS -0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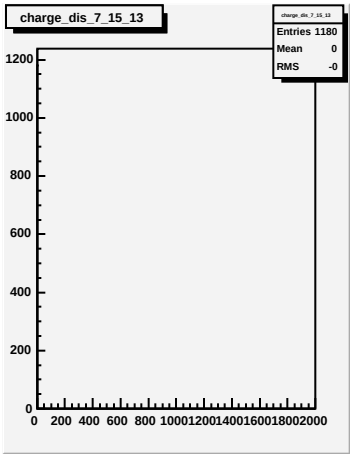
RMS -0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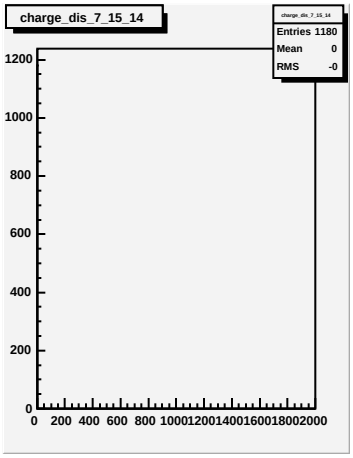
Entries 1180
Mean 0
RMS -0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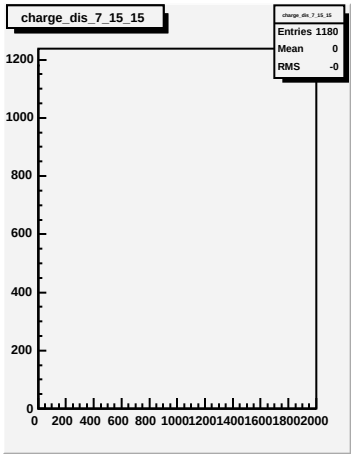
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