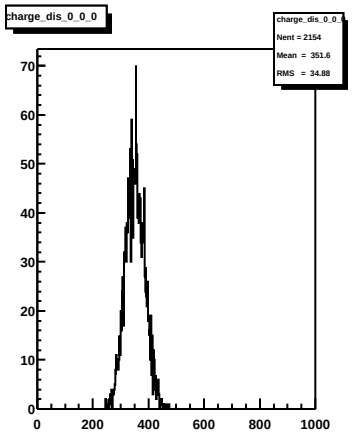
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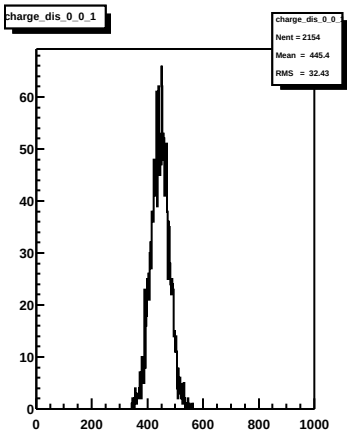
RMS = 34.88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charge_dis_0_0_
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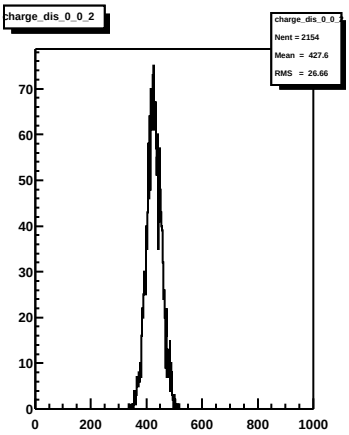
RMS = 32.43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charge_dis_0_0_
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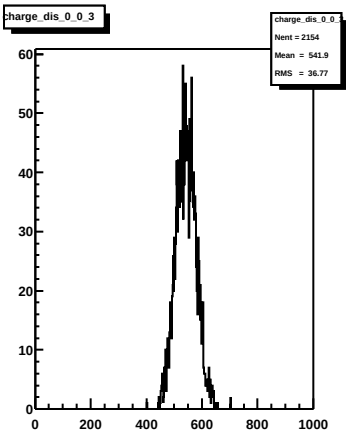
RMS = 26.66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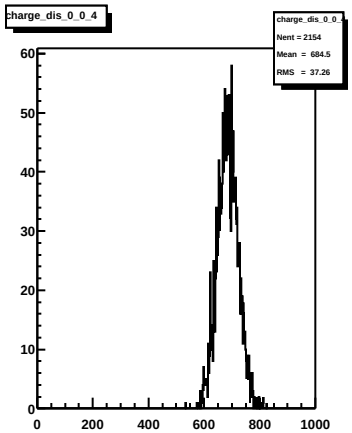
RMS = 36.77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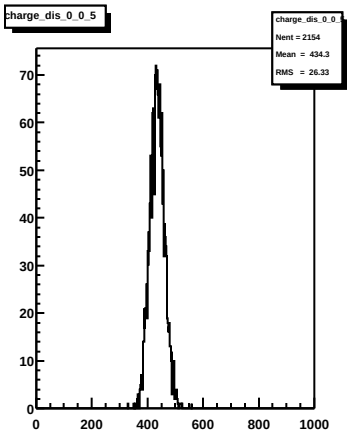
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charge_dis_0_0_
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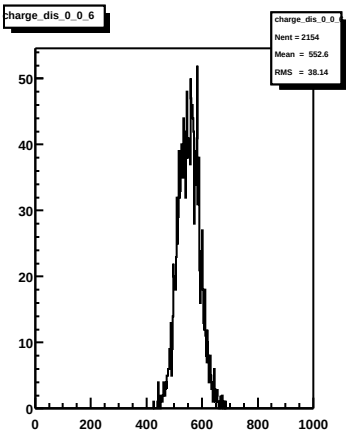
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charge_dis_0_0_
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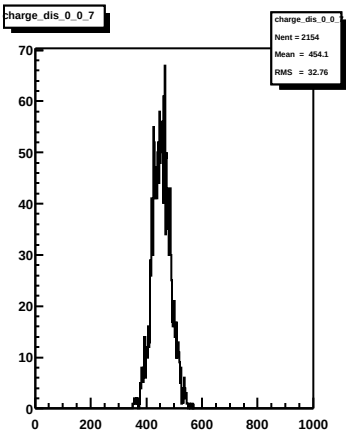
Mean = 552.6
RMS = 38.14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charge_dis_0_0_
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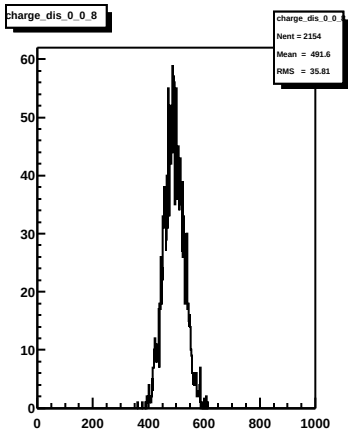
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charge_dis_0_0_
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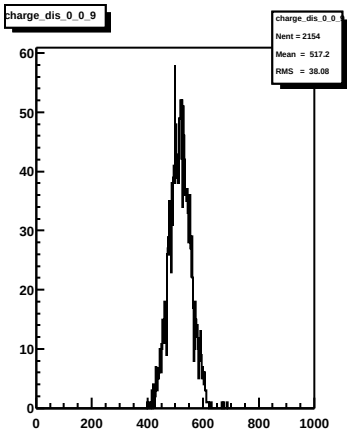
RMS = 35.81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charge_dis_0_0_
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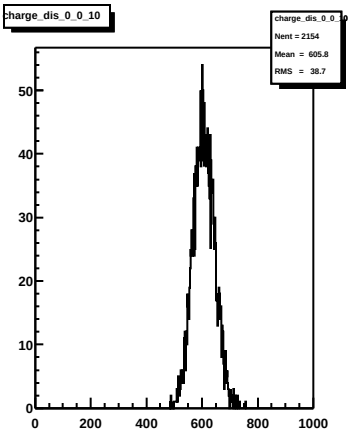
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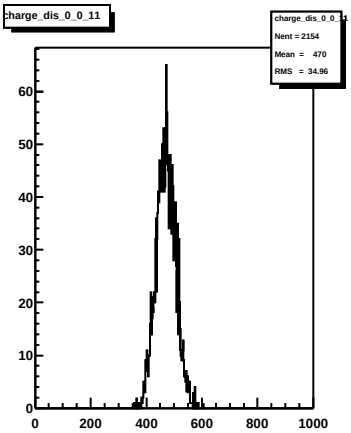
RMS = 38.7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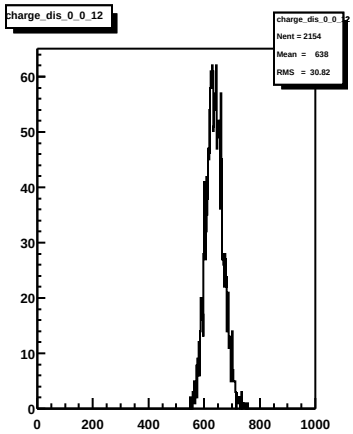
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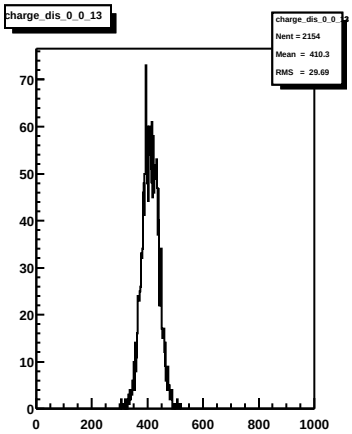
RMS = 30.82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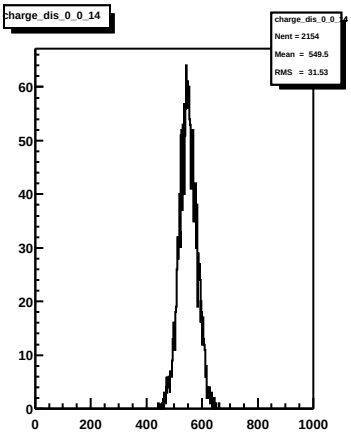
RMS = 29.69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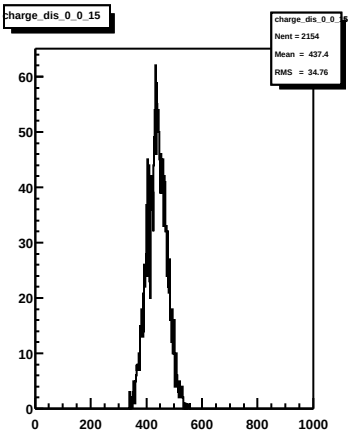
Mean = 549.5
RMS = 31.53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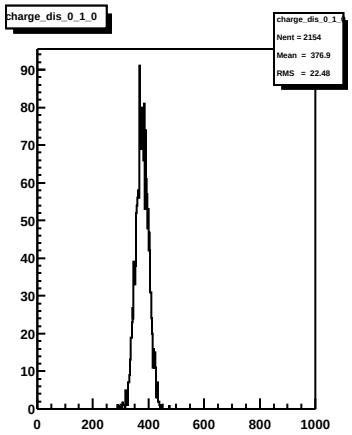
Mean = 437.4
RMS = 34.76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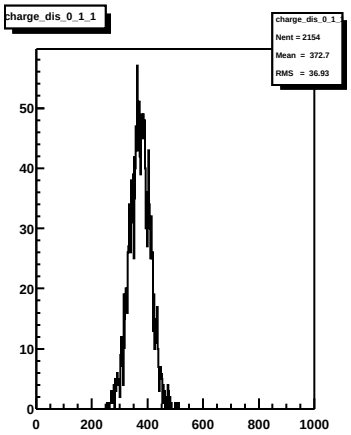
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Mean = 372.7
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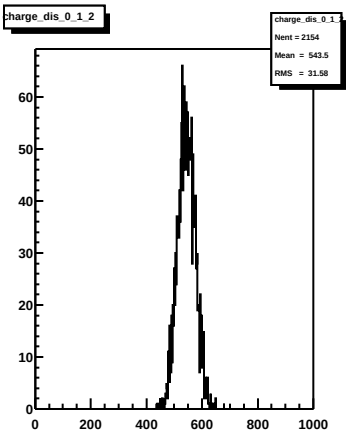
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charge_dis_0_1_
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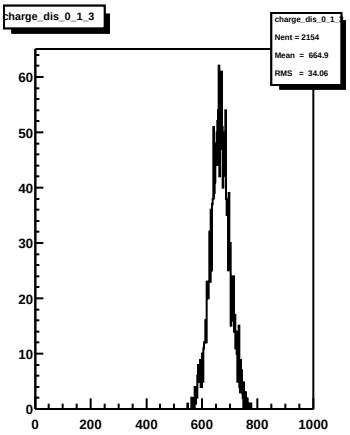
Mean = 543.5
RMS = 31.58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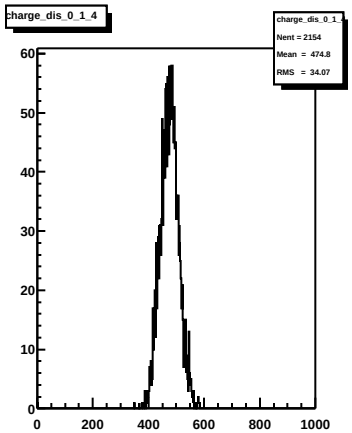
Mean = 664.9
RMS = 34.06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charge_dis_0_1_
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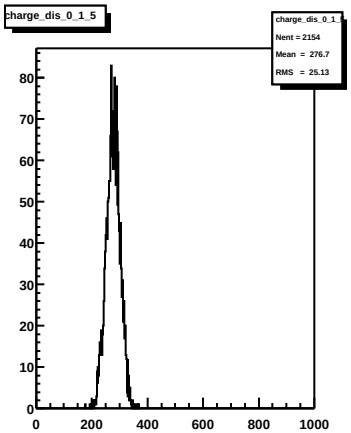
Mean = 474.8
RMS = 34.07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charge_dis_0_1_
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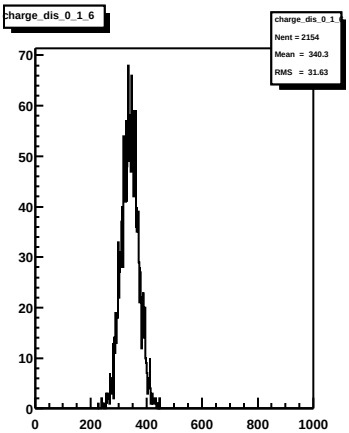
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charge_dis_0_1_
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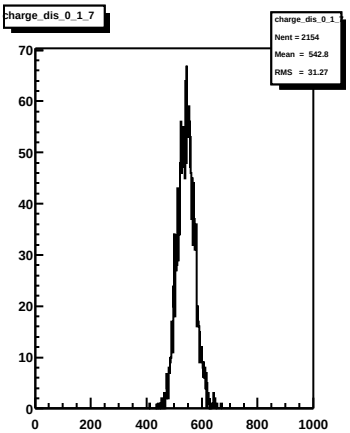
Mean = 340.3
RMS = 31.63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charge_dis_0_1_
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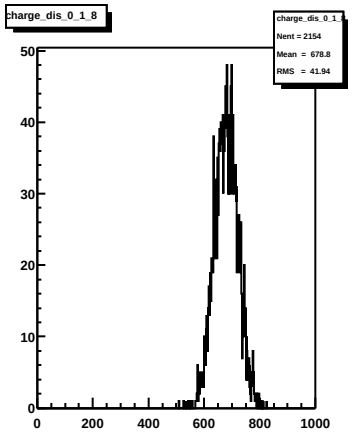
Mean = 542.8
RMS = 31.27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charge_dis_0_1_
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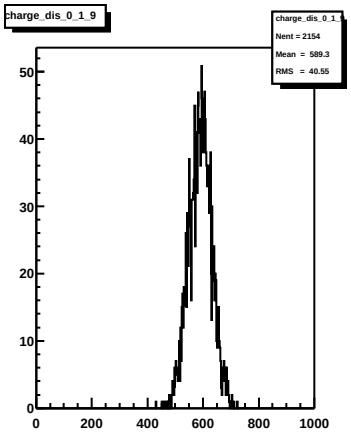
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charge_dis_0_1_
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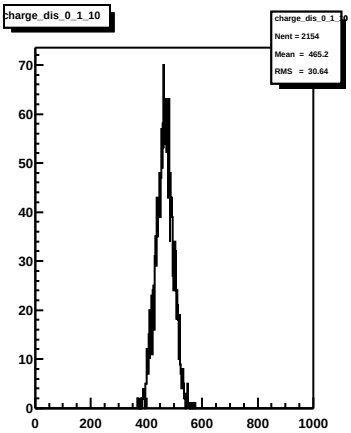
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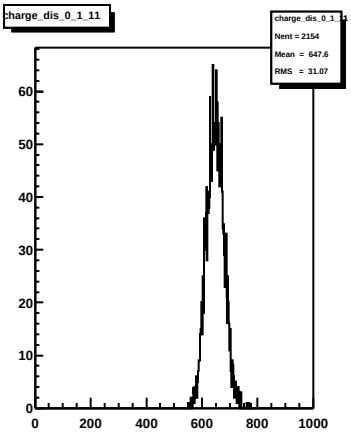
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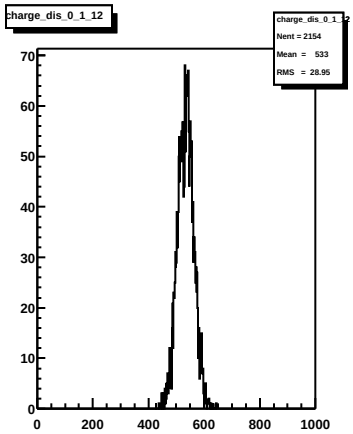
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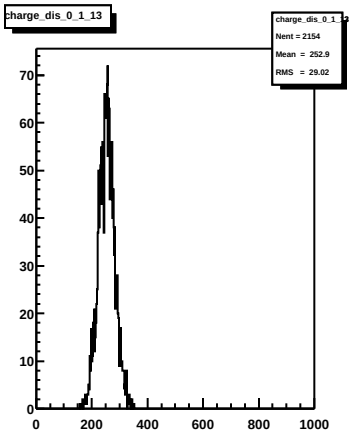
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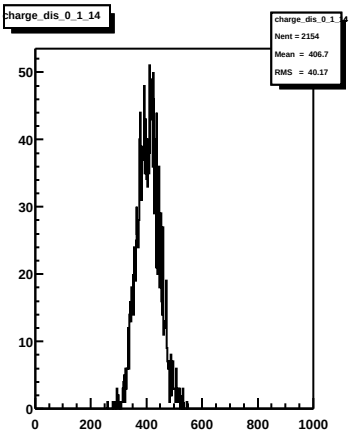
Mean = 252.9
RMS = 29.02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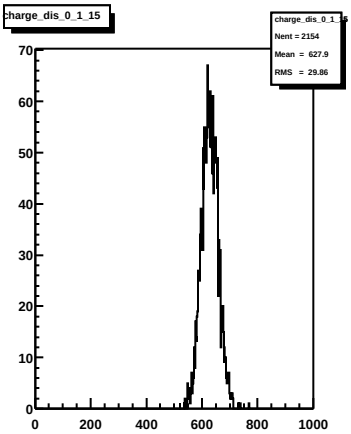
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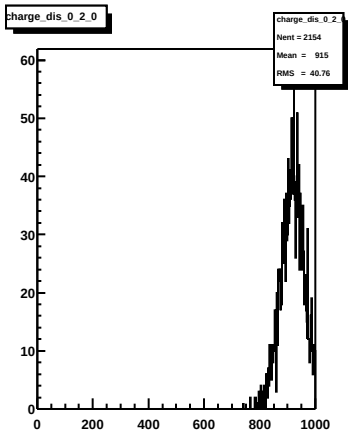
RMS = 29.86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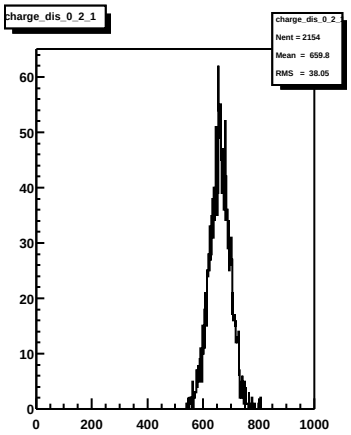
RMS = 40.76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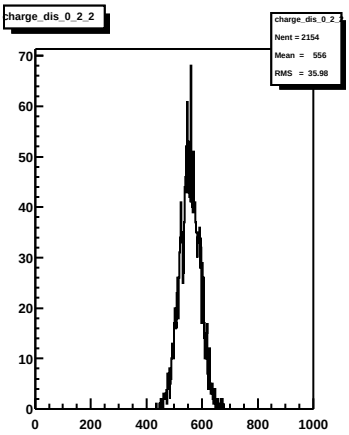
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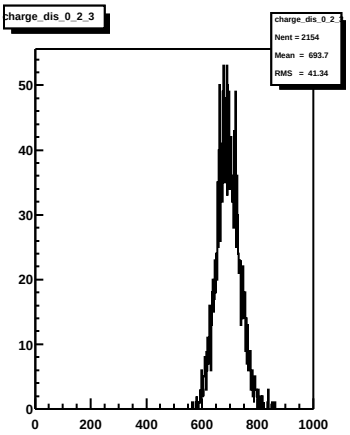
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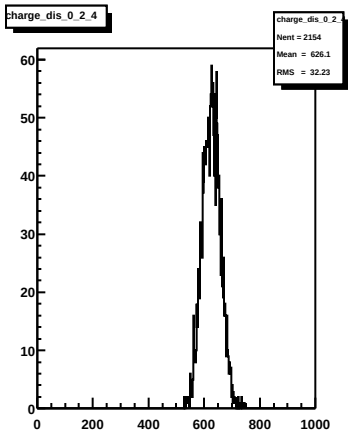
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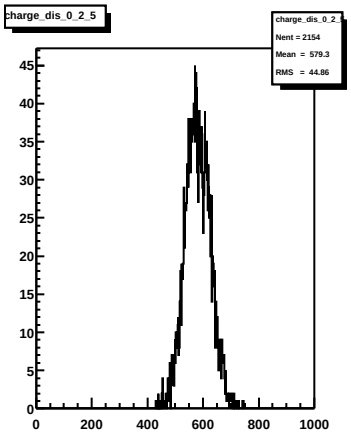
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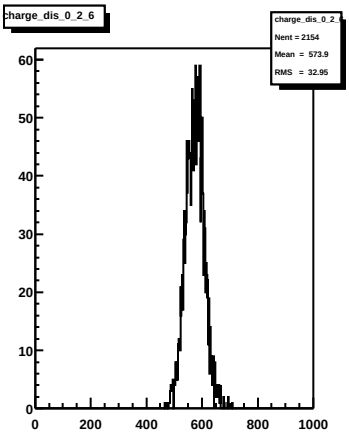
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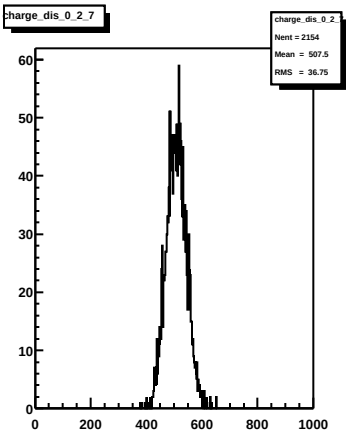
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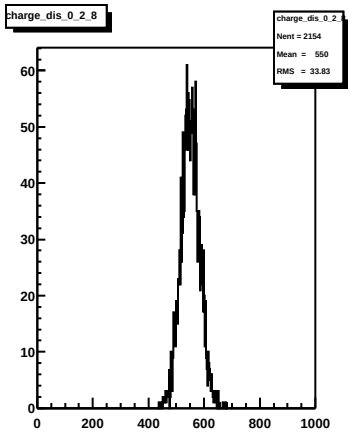
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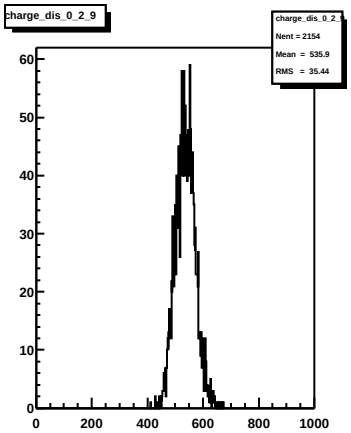
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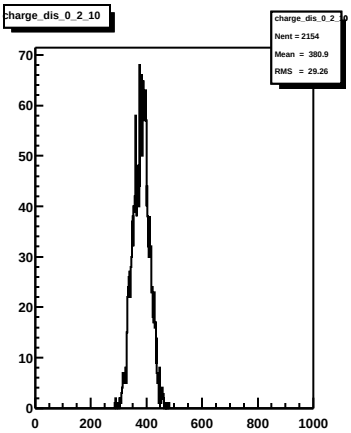
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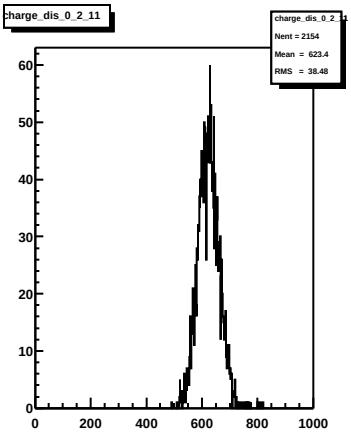
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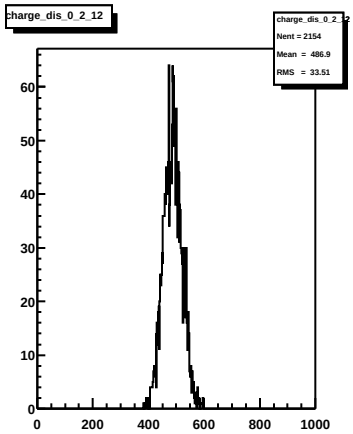
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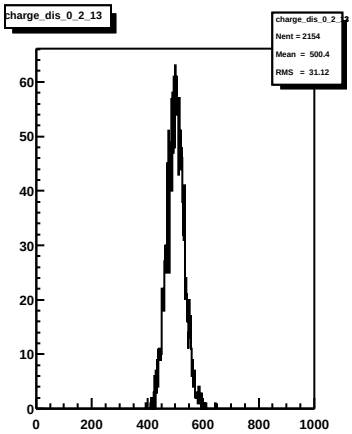
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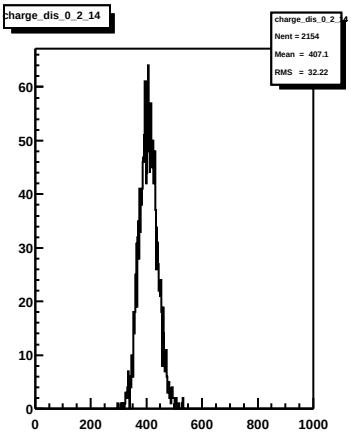
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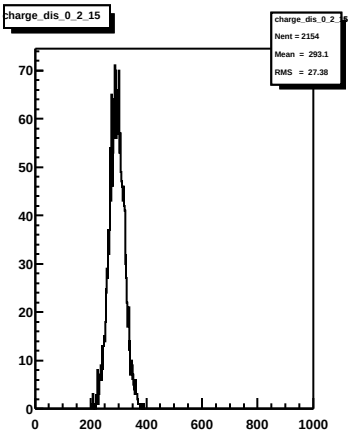
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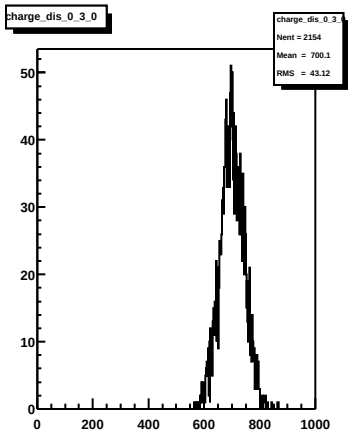
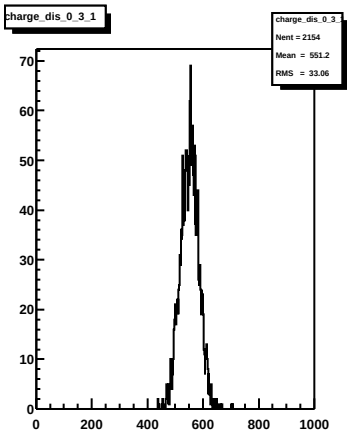
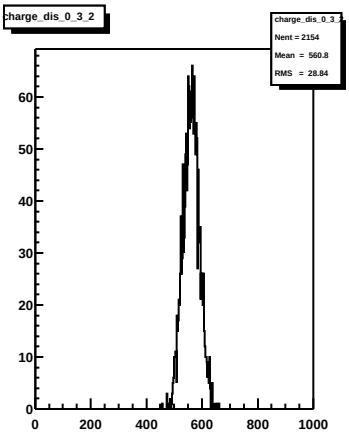
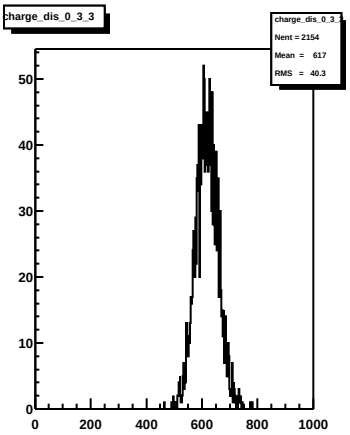
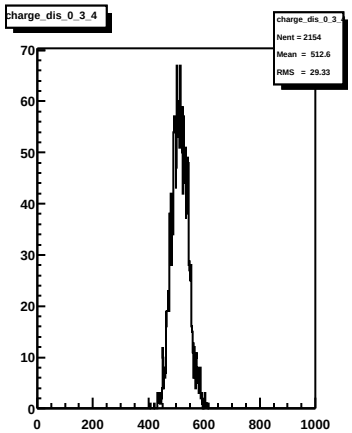
Nent = 2154
Mean = 293.1
RMS = 27.38

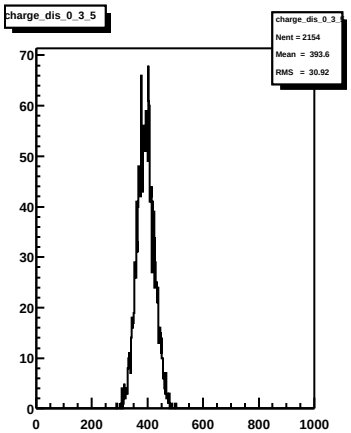

charge_dis_0_3_0
charge_dis_0_3_
Nent = 2154
Mean = 700.1
RMS = 43.12

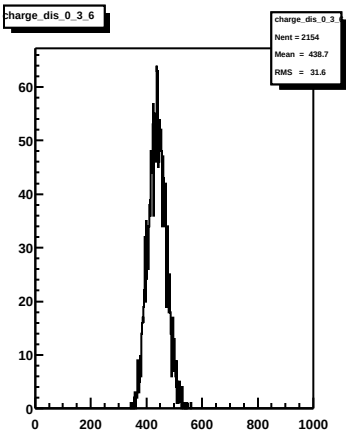

charge_dis_0_3_1
charge_dis_0_3_
Nent = 2154
Mean = 551.2
RMS = 33.06

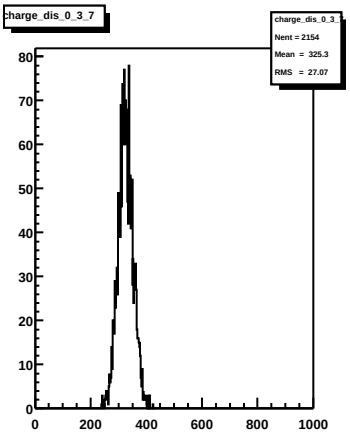

charge_dis_0_3_2
charge_dis_0_3_
Nent = 2154
Mean = 560.8
RMS = 28.84

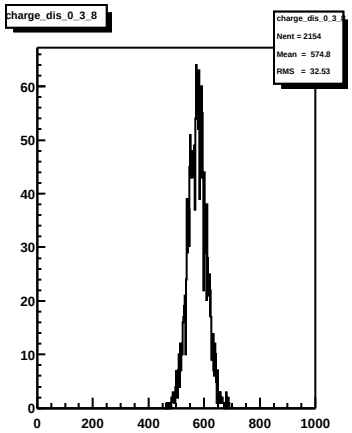

charge_dis_0_3_3
charge_dis_0_3_
Nent = 2154
Mean = 617
RMS = 40.3

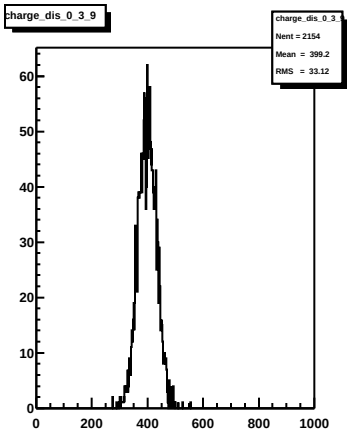

charge_dis_0_3_4
charge_dis_0_3_
Nent = 2154
Mean = 512.6
RMS = 29.33

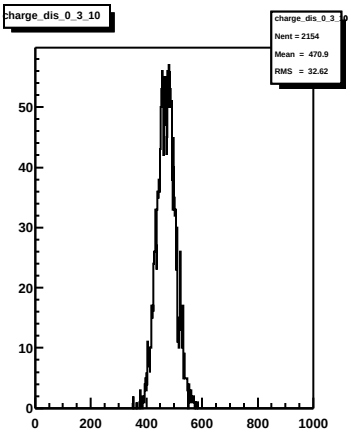

charge_dis_0_3_5
charge_dis_0_3_
Nent = 2154
Mean = 393.6
RMS = 30.92

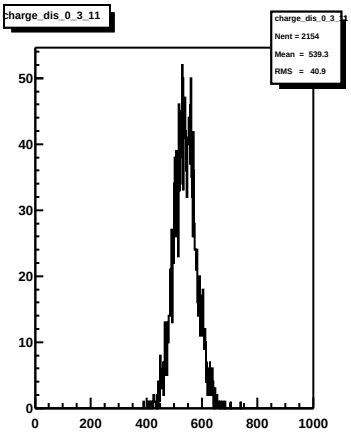

charge_dis_0_3_6
charge_dis_0_3_
Nent = 2154
Mean = 438.7
RMS = 31.6


charge_dis_0_3_7
charge_dis_0_3_
Nent = 2154
Mean = 325.3
RMS = 27.07


charge_dis_0_3_8
charge_dis_0_3_
Nent = 2154
Mean = 574.8
RMS = 32.53


charge_dis_0_3_9
charge_dis_0_3_
Nent = 2154
Mean = 399.2
RMS = 33.12


charge_dis_0_3_10
Nent = 2154
Mean = 470.9
RMS = 32.62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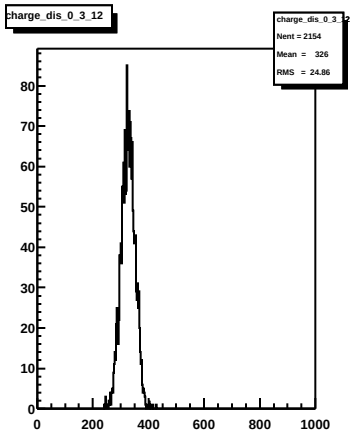
Mean = 539.3
RMS = 40.9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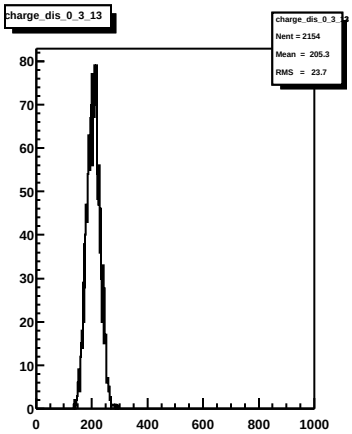
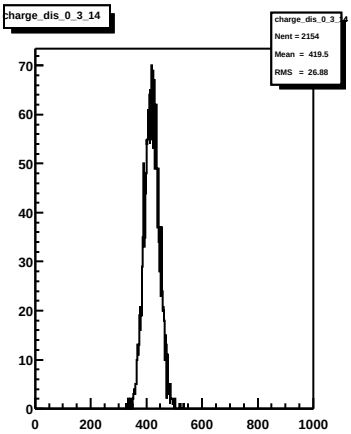
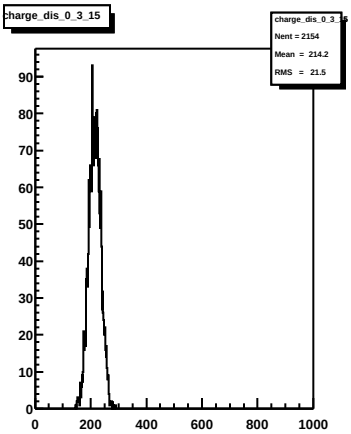
Nent = 2154
Mean = 326
RMS = 24.86


charge_dis_0_3_13
Nent = 2154
Mean = 205.3
RMS = 23.7


charge_dis_0_3_14
Nent = 2154
Mean = 419.5
RMS = 26.88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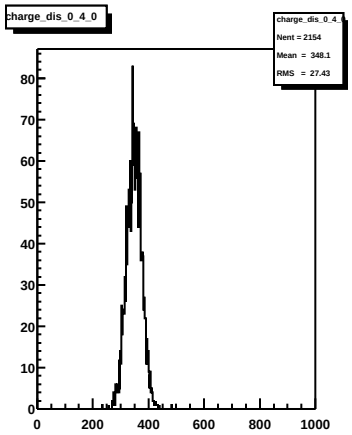
Nent = 2154
Mean = 214.2
RMS = 21.5


charge_dis_0_4_0
charge_dis_0_4_
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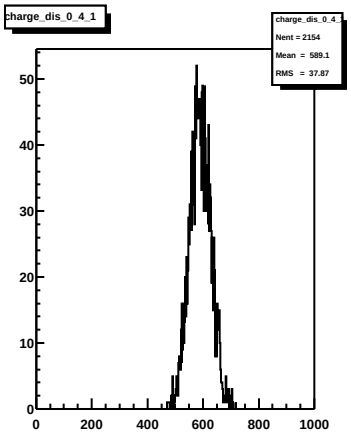
Mean = 348.1
RMS = 27.43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charge_dis_0_4_
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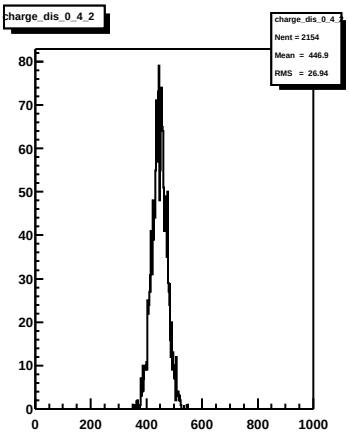
Mean = 589.1
RMS = 37.87


charge_dis_0_4_2
charge_dis_0_4_
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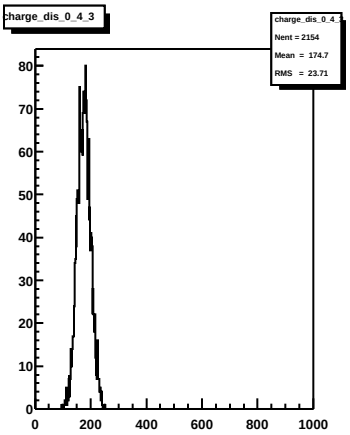
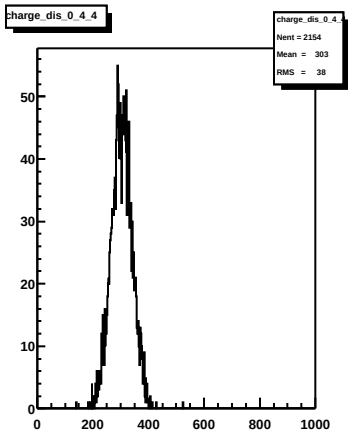
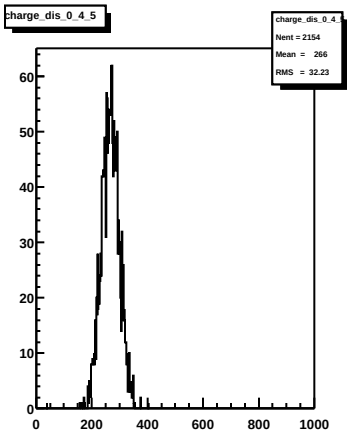
Mean = 446.9
RMS = 26.94


charge_dis_0_4_3
charge_dis_0_4_
Nent = 2154
Mean = 174.7
RMS = 23.71


charge_dis_0_4_4
charge_dis_0_4_
Nent = 2154
Mean = 303
RMS = 38


charge_dis_0_4_5
charge_dis_0_4_
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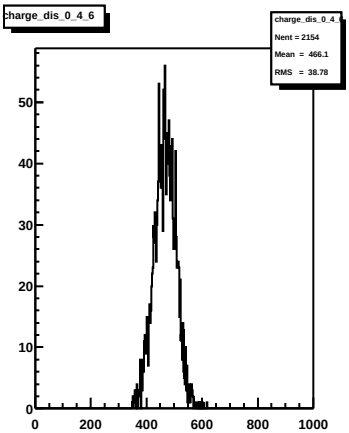
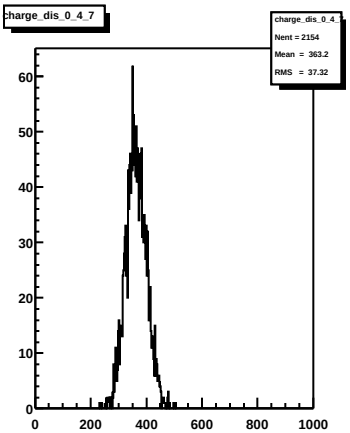
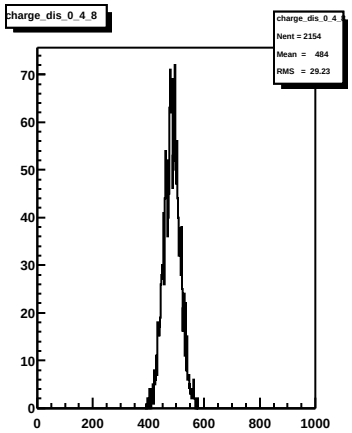
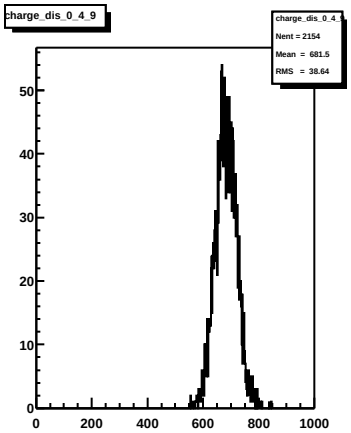
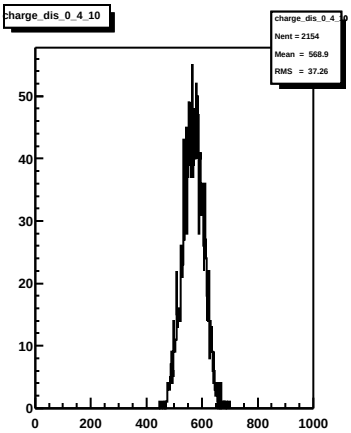
Mean = 266
RMS = 32.23

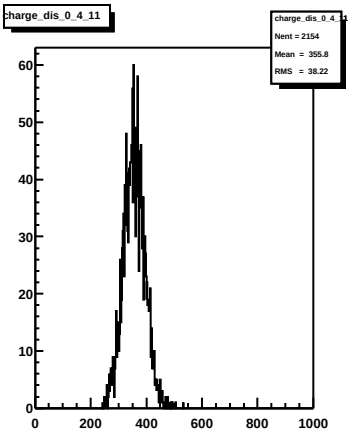

charge_dis_0_4_6
charge_dis_0_4_
Nent = 2154
Mean = 466.1
RMS = 38.78

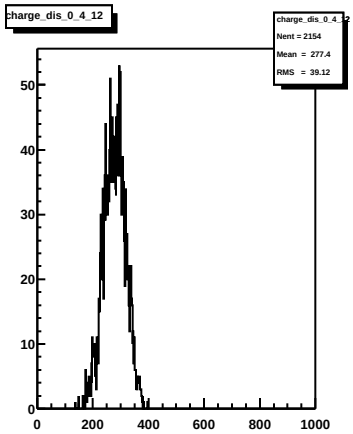

charge_dis_0_4_7
charge_dis_0_4_
Nent = 2154
Mean = 363.2
RMS = 37.32


charge_dis_0_4_8
charge_dis_0_4_
Nent = 2154
Mean = 484
RMS = 29.23


charge_dis_0_4_9
charge_dis_0_4_
Nent = 2154
Mean = 681.5
RMS = 38.64


charge_dis_0_4_10
Nent = 2154
Mean = 568.9
RMS = 37.26


charge_dis_0_4_11
Nent = 2154
Mean = 355.8
RMS = 38.22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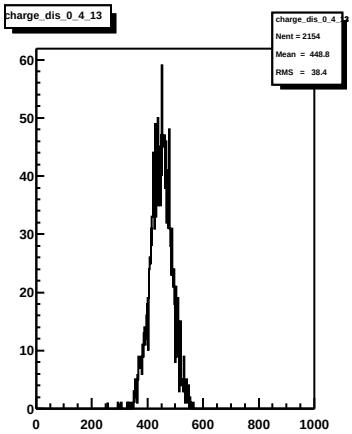
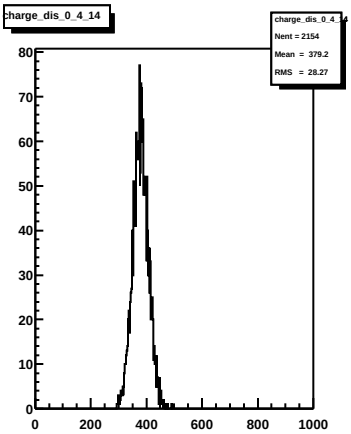
Nent = 2154
Mean = 277.4
RMS = 39.12


charge_dis_0_4_13
Nent = 2154
Mean = 448.8
RMS = 38.4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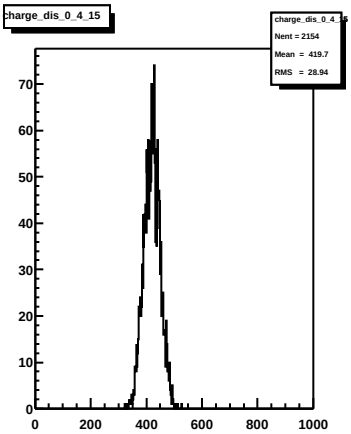
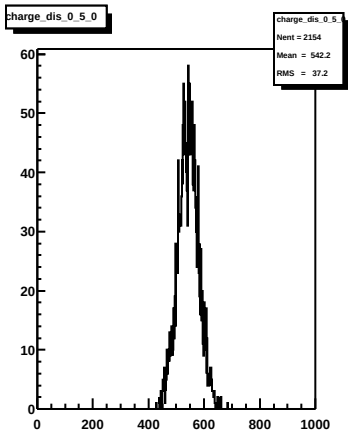
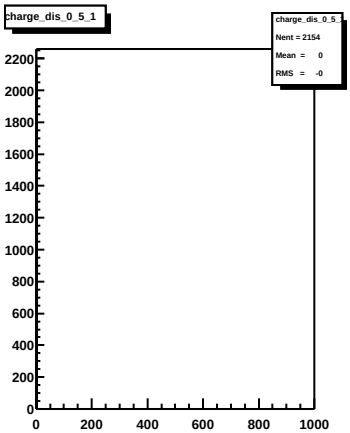
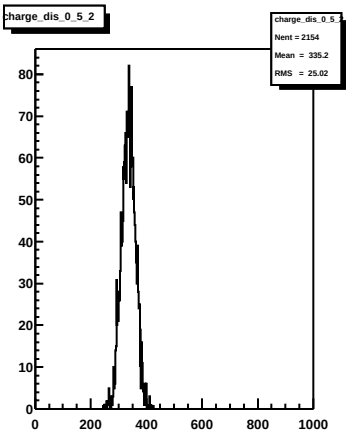
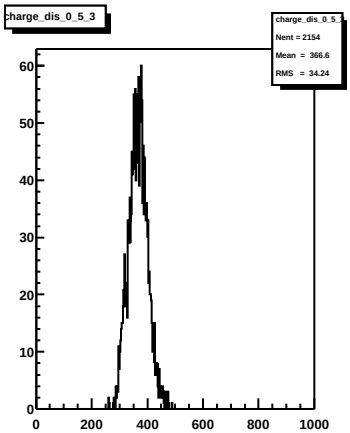
Nent = 2154
Mean = 379.2
RMS = 28.27


charge_dis_0_4_15
Nent = 2154
Mean = 419.7
RMS = 28.94


charge_dis_0_5_0
charge_dis_0_5_
Nent = 2154
Mean = 542.2
RMS = 37.2


charge_dis_0_5_1
charge_dis_0_5_
Nent = 2154
Mean = 0
RMS = -0


charge_dis_0_5_2
charge_dis_0_5_
Nent = 2154
Mean = 335.2
RMS = 25.02


charge_dis_0_5_3
charge_dis_0_5_
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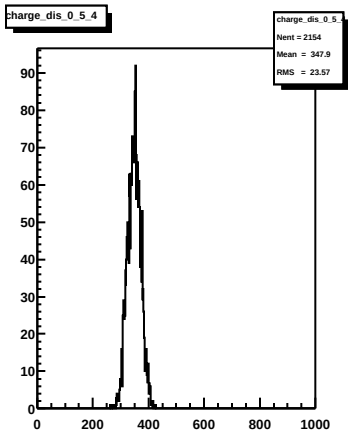
Mean = 366.6
RMS = 34.24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charge_dis_0_5_
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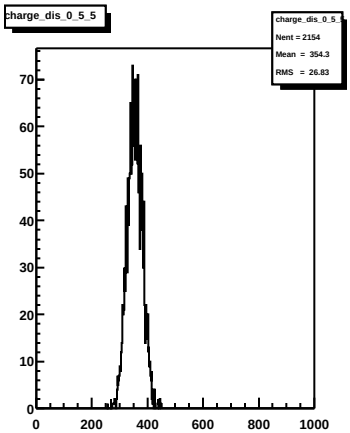
charge_dis_0_5_5
charge_dis_0_5_
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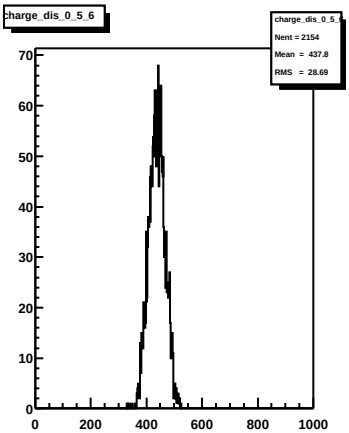
Mean = 354.3
RMS = 26.83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charge_dis_0_5_
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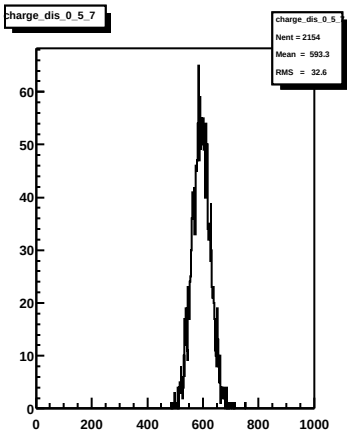
Mean = 437.8
RMS = 28.69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charge_dis_0_5_
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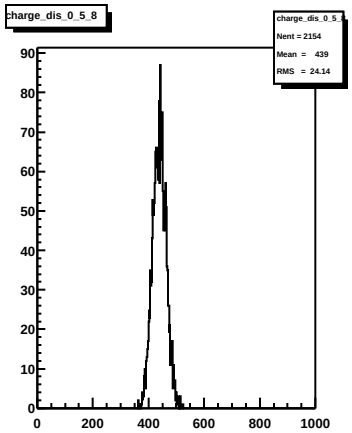
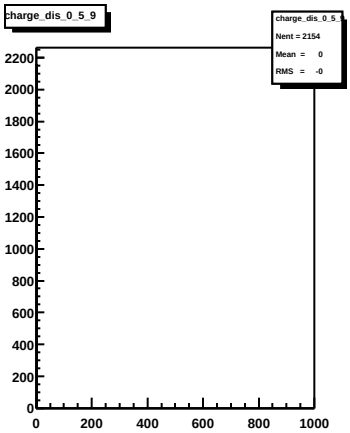

charge_dis_0_5_8
charge_dis_0_5_
Nent = 2154
Mean = 439
RMS = 24.14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charge_dis_0_5_
Nent = 2154
Mean = 0
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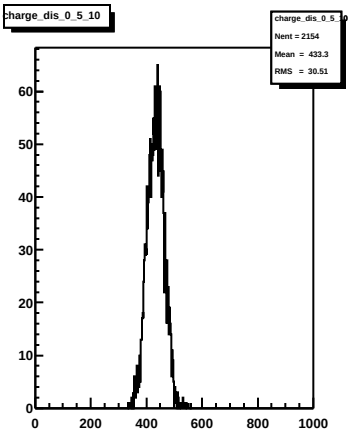
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Nent = 2154
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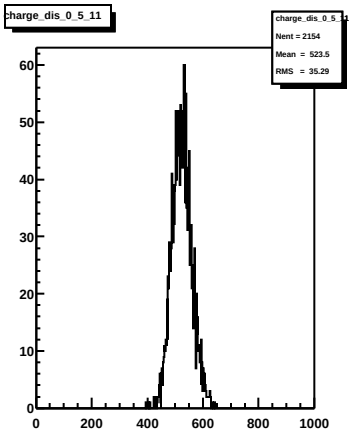
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Nent = 2154
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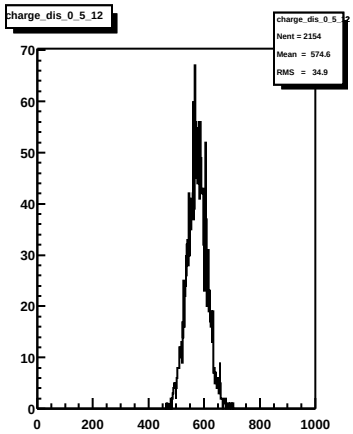
charge_dis_0_5_12
Nent = 2154
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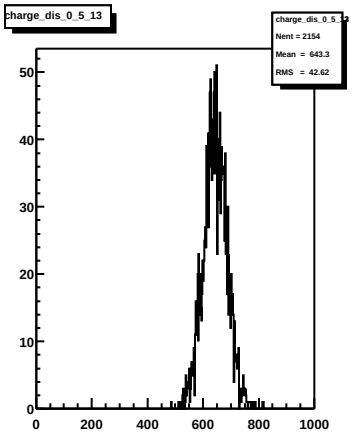
RMS = 34.9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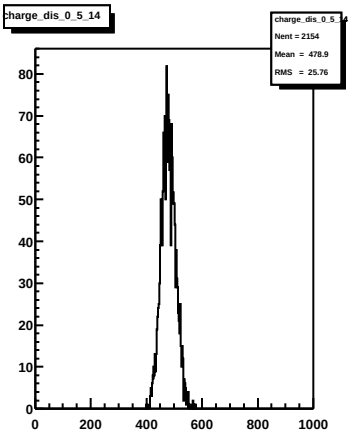
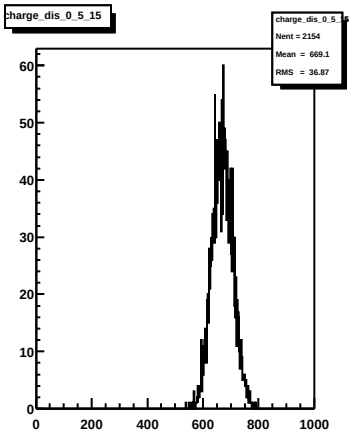

charge_dis_0_5_14
Nent = 2154
Mean = 478.9
RMS = 25.76


charge_dis_0_5_15
Nent = 2154
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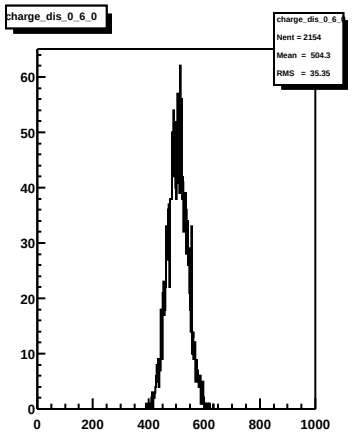
RMS = 36.87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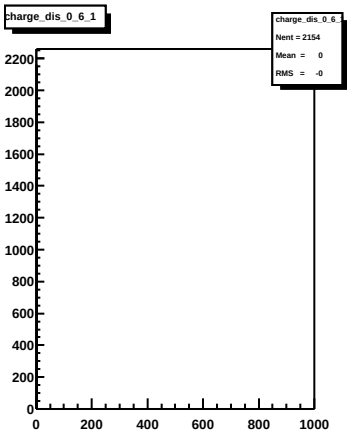
RMS = 35.35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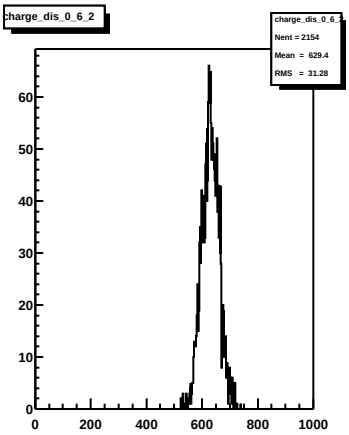
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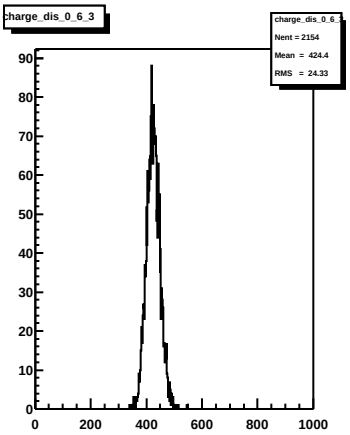
Mean = 629.4
RMS = 31.28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charge_dis_0_6_
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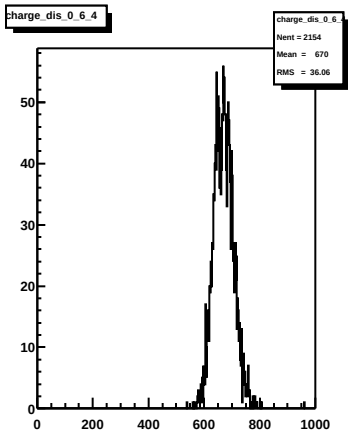
Mean = 424.4
RMS = 24.33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charge_dis_0_6_
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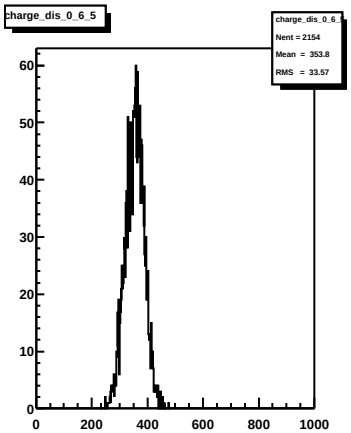
Mean = 670
RMS = 36.06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charge_dis_0_6_
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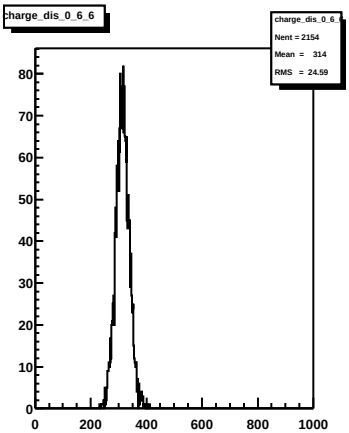
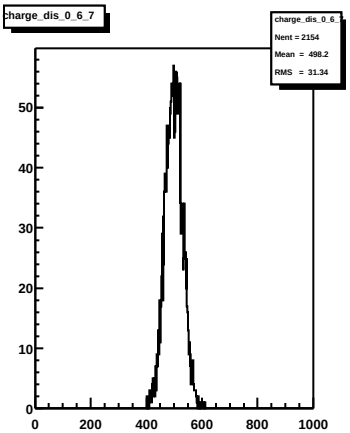
RMS = 33.57


charge_dis_0_6_6
charge_dis_0_6_
Nent = 2154
Mean = 314
RMS = 24.59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charge_dis_0_6_
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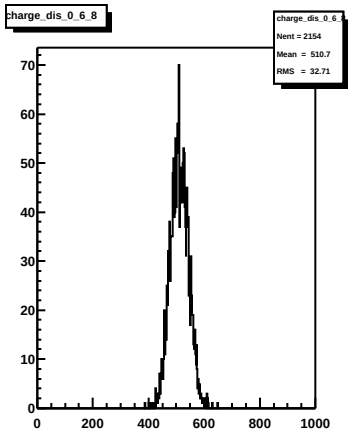
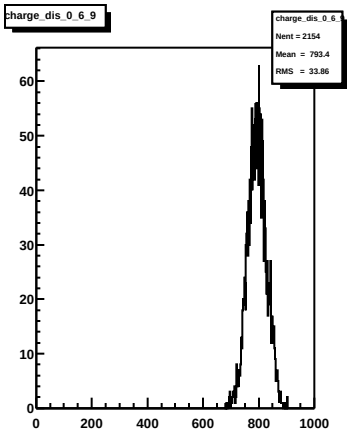
Mean = 498.2
RMS = 31.34


charge_dis_0_6_8
charge_dis_0_6_
Nent = 2154
Mean = 510.7
RMS = 32.71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charge_dis_0_6_
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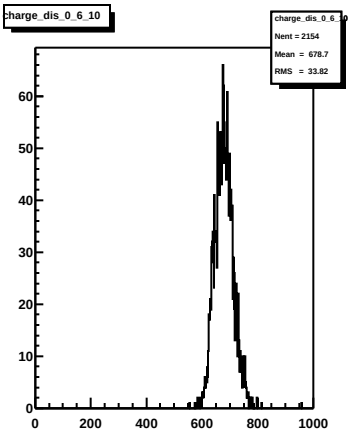
Mean = 793.4
RMS = 33.86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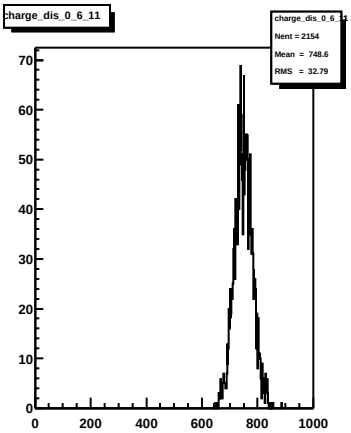
Mean = 678.7
RMS = 33.82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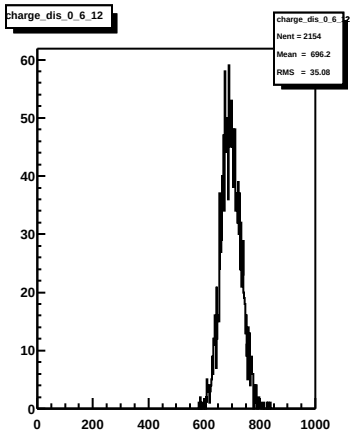
Mean = 748.6
RMS = 32.79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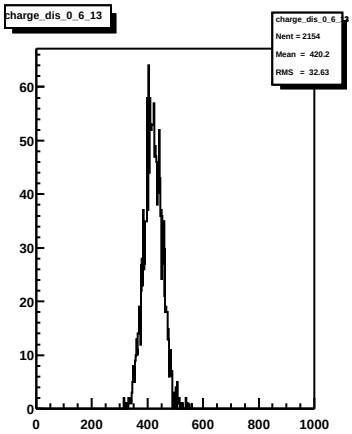
Mean = 696.2
RMS = 35.08


charge_dis_0_6_13
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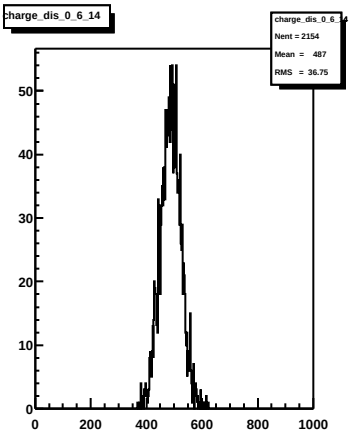
RMS = 32.63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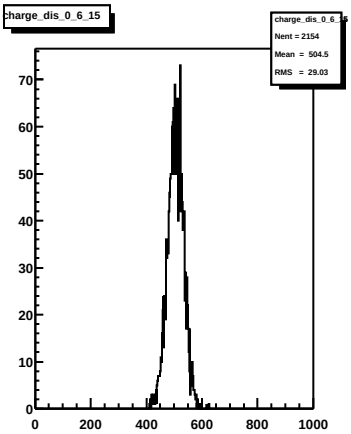
Nent = 2154
Mean = 487
RMS = 36.75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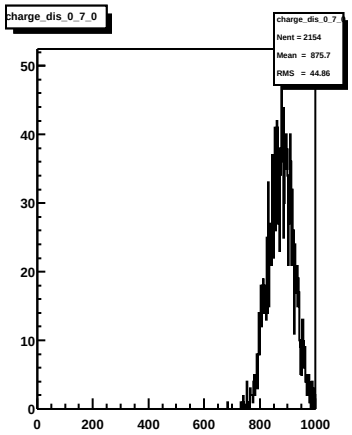
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charge_dis_0_7_
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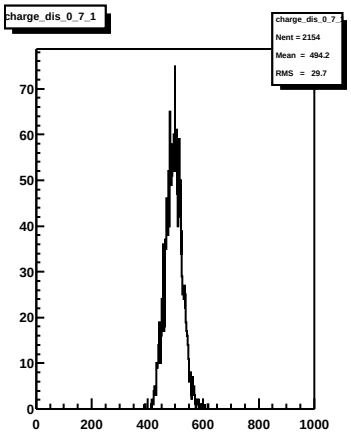
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charge_dis_0_7_
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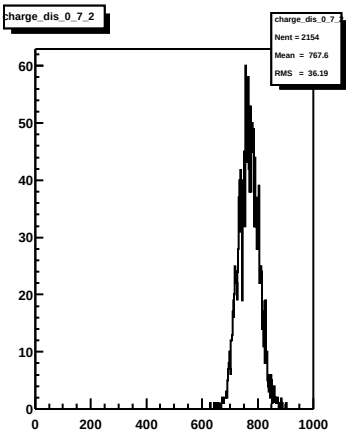
Mean = 494.2
RMS = 29.7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charge_dis_0_7_
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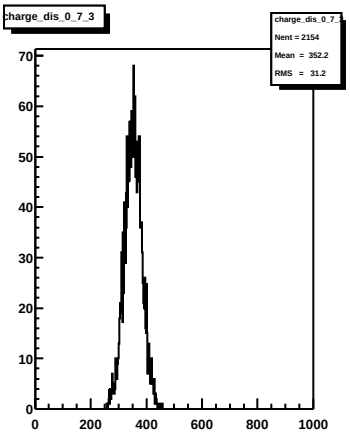
Mean = 767.6
RMS = 36.19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charge_dis_0_7_
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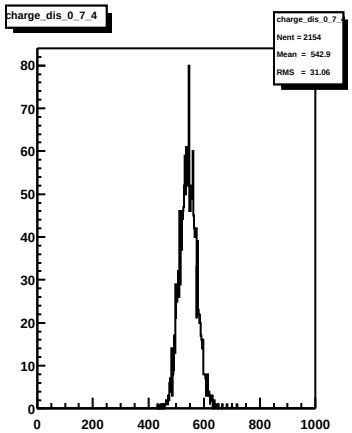
Mean = 352.2
RMS = 31.2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charge_dis_0_7_
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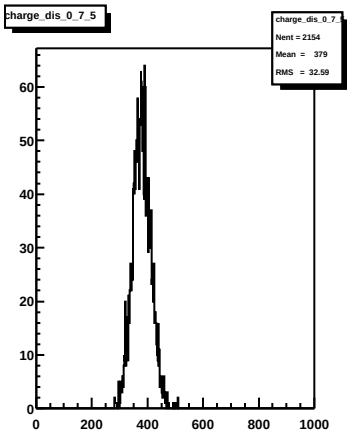
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charge_dis_0_7_
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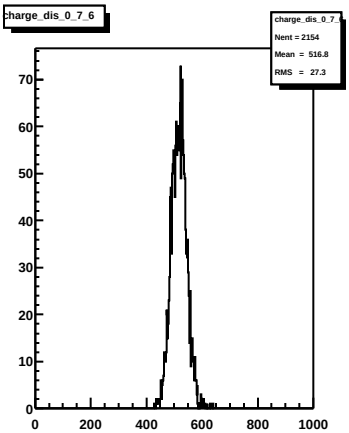
RMS = 32.59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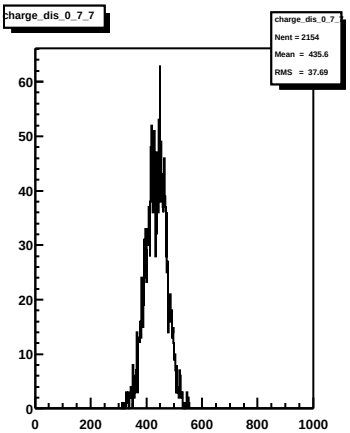
charge_dis_0_7_
Nent = 2154
Mean = 516.8
RMS = 27.3


charge_dis_0_7_7
charge_dis_0_7_
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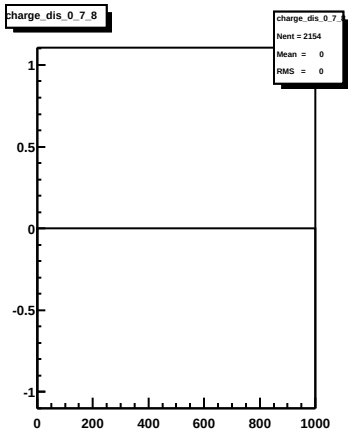
Mean = 435.6
RMS = 37.69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charge_dis_0_7_
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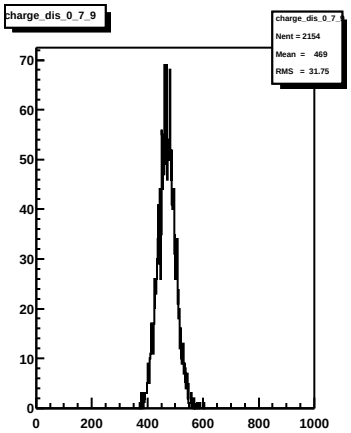
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charge_dis_0_7_
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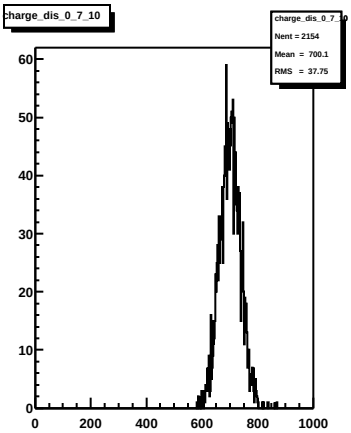
RMS = 31.75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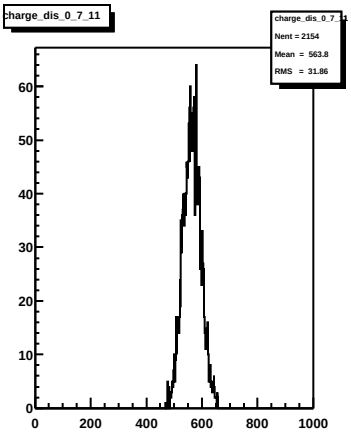
charge_dis_0_7_11
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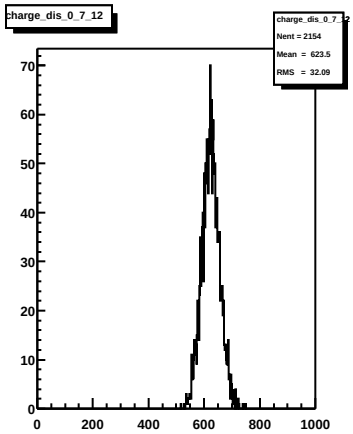
Mean = 563.8
RMS = 31.86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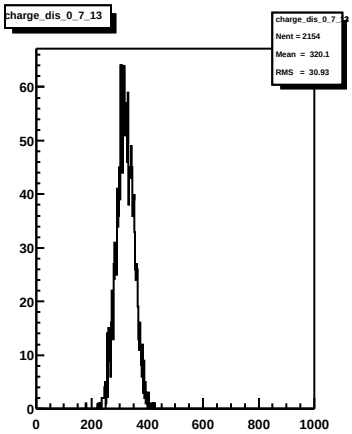
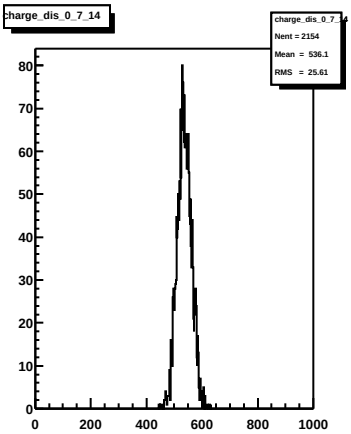
Nent = 2154
Mean = 623.5
RMS = 32.09


charge_dis_0_7_13
Nent = 2154
Mean = 320.1
RMS = 30.93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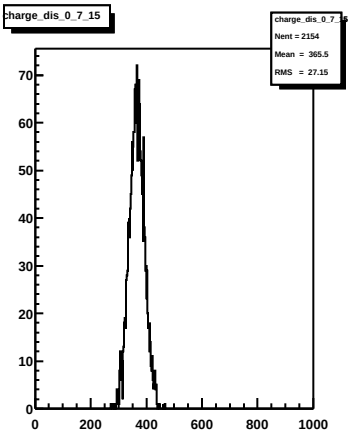
Nent = 2154
Mean = 536.1
RMS = 25.61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Nent = 2154
Mean = 365.5
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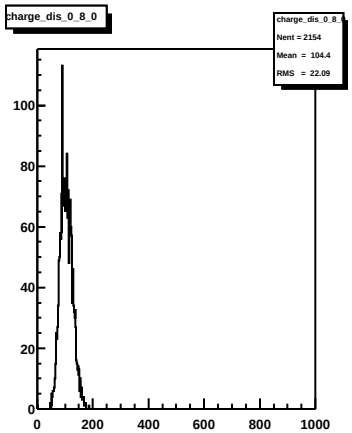
charge_dis_0_8_0
charge_dis_0_8_
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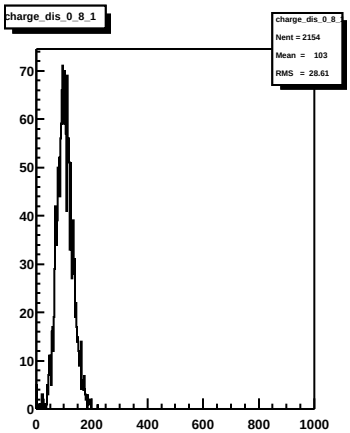
Mean = 104.4
RMS = 22.09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charge_dis_0_8_
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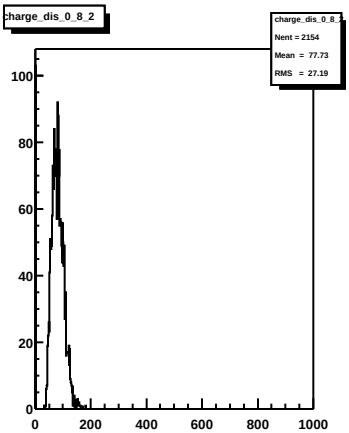
RMS = 28.61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charge_dis_0_8_
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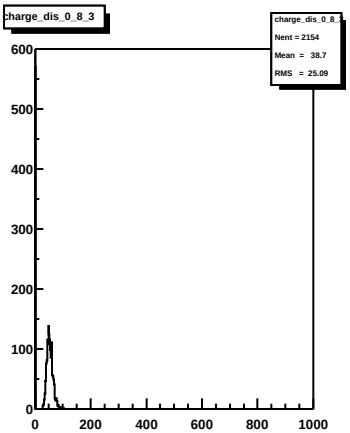
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charge_dis_0_8_
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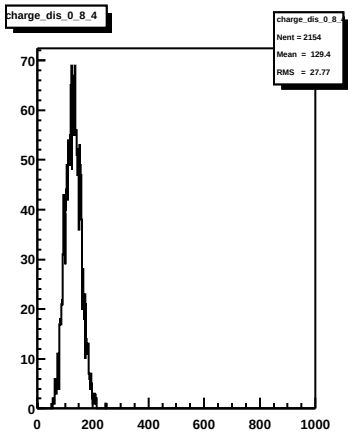
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charge_dis_0_8_
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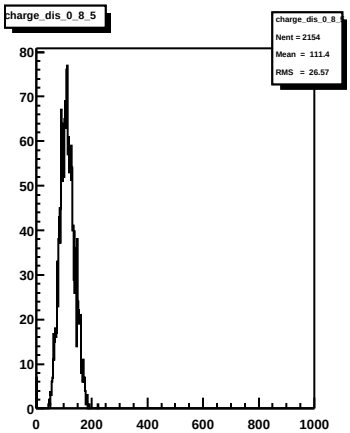
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charge_dis_0_8_
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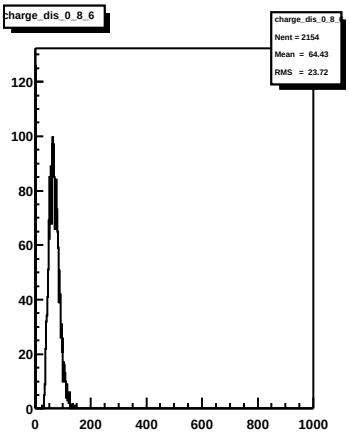
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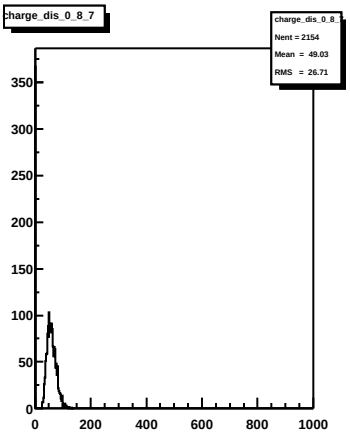
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charge_dis_0_8_
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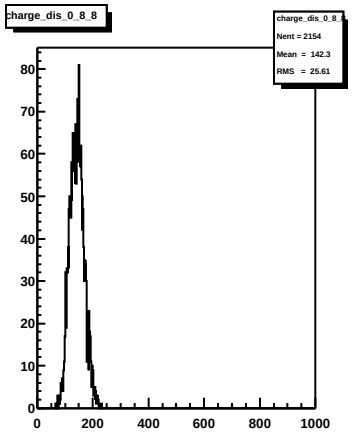
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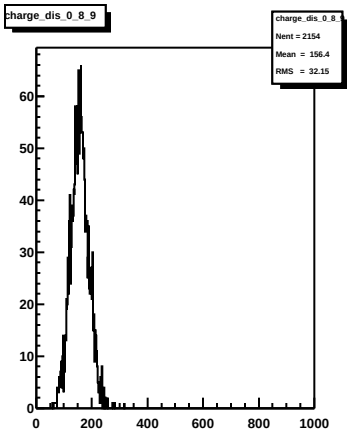
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charge_dis_0_8_
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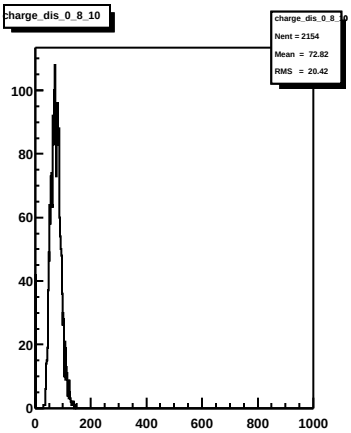
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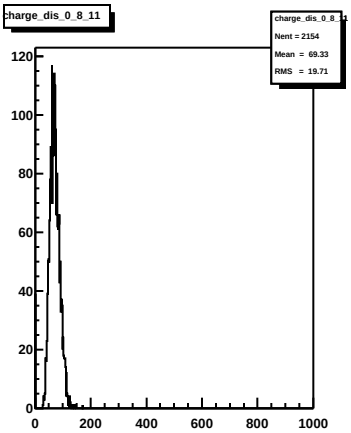
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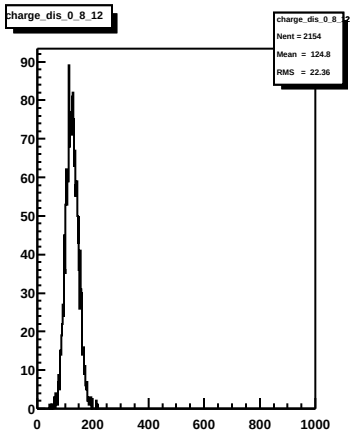
RMS = 19.71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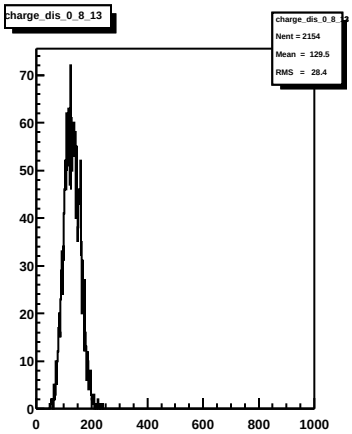
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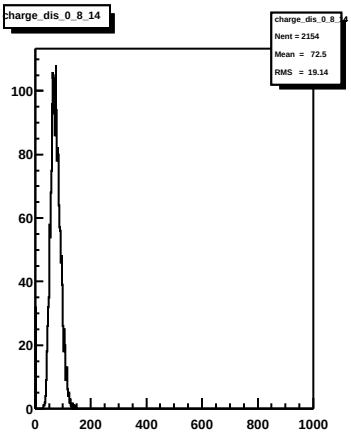
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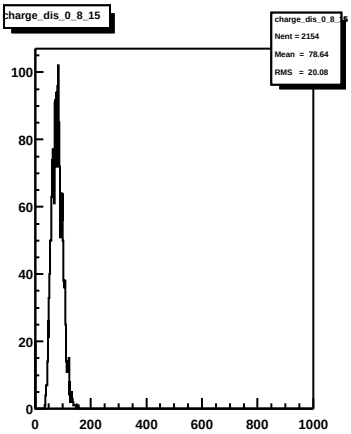
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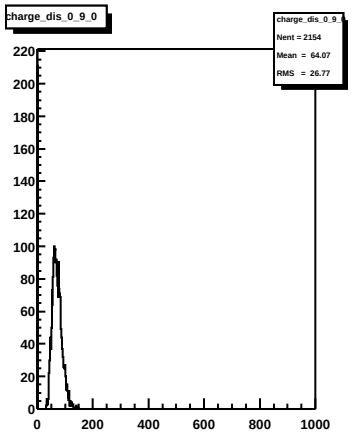
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charge_dis_0_9_
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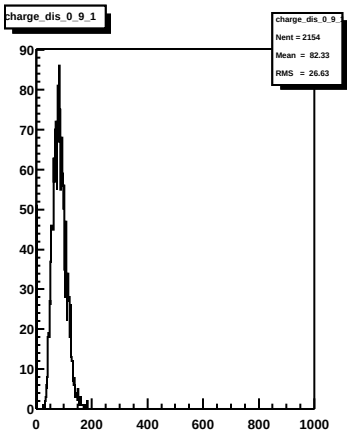
RMS = 26.77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charge_dis_0_9_
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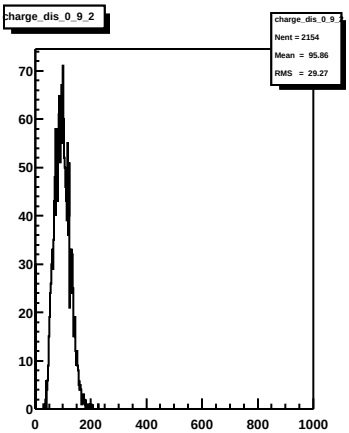
RMS = 26.63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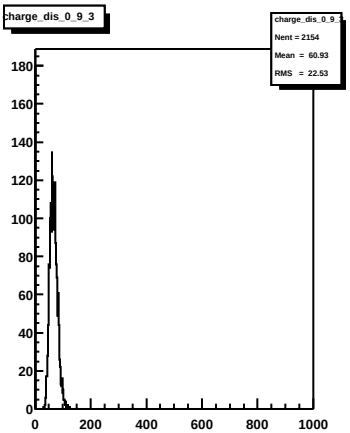
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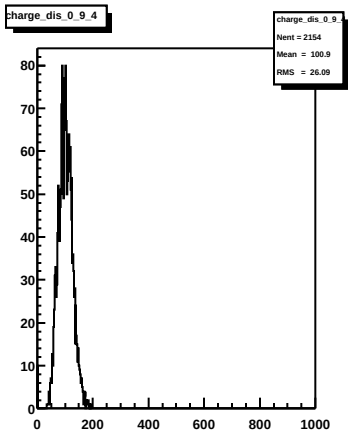
RMS = 22.53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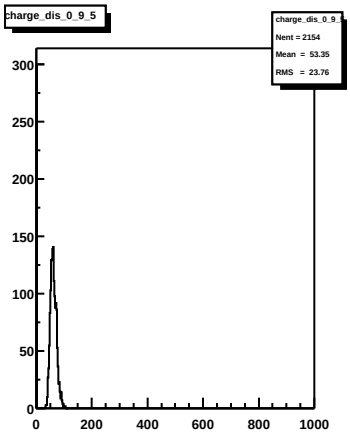
RMS = 26.09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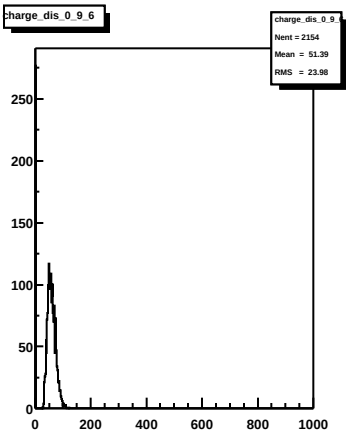
charge_dis_0_9_
Nent = 2154
Mean = 53.35
RMS = 23.76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charge_dis_0_9_
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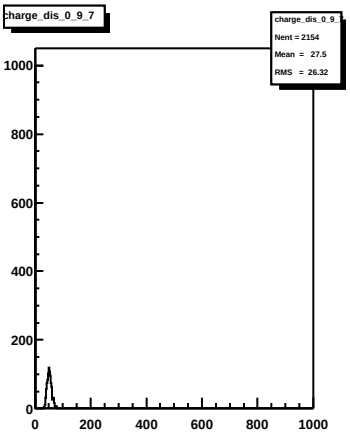
RMS = 23.98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charge_dis_0_9_
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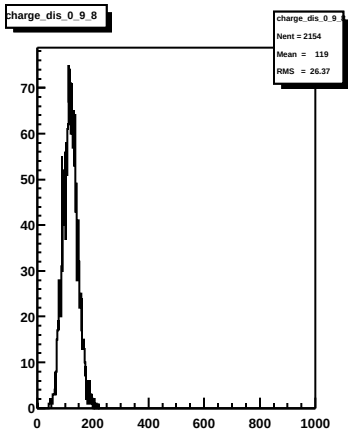
Mean = 27.5
RMS = 26.32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charge_dis_0_9_
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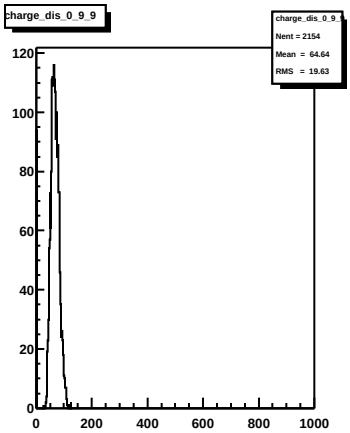
Mean = 119
RMS = 26.37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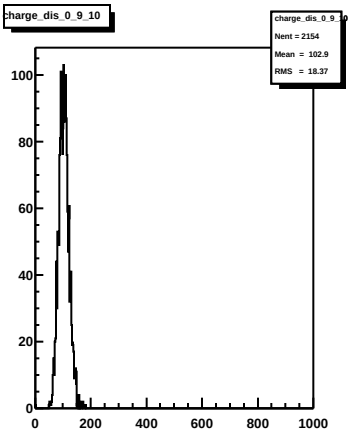
charge_dis_0_9_
Nent = 2154
Mean = 64.64
RMS = 19.63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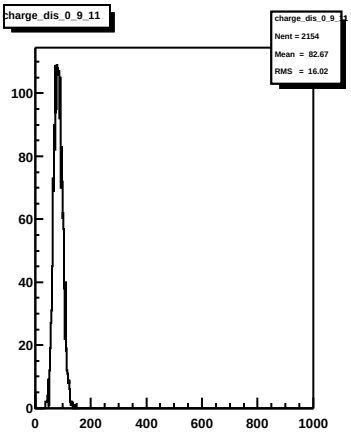
Mean = 102.9
RMS = 18.37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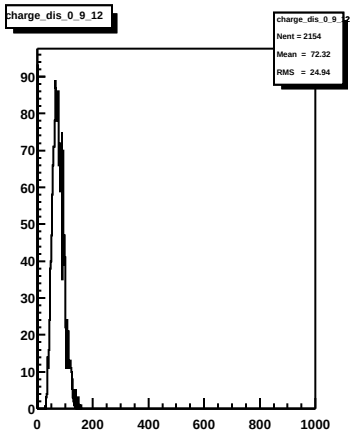
RMS = 16.02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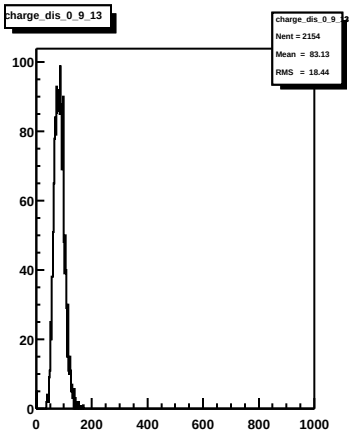
RMS = 24.94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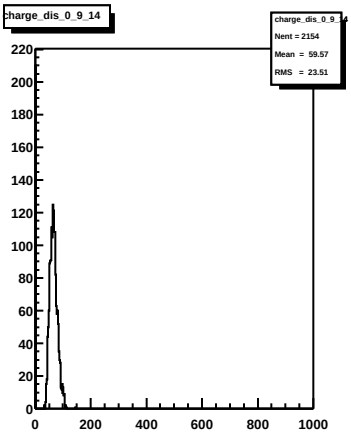
Mean = 83.13
RMS = 18.44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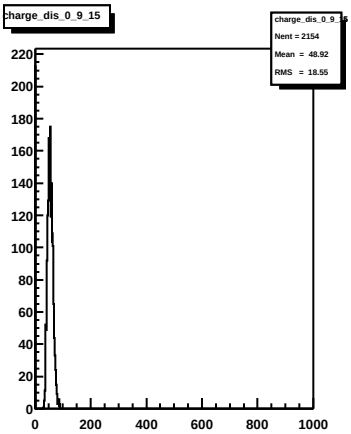
Mean = 59.57
RMS = 23.51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Mean = 48.92
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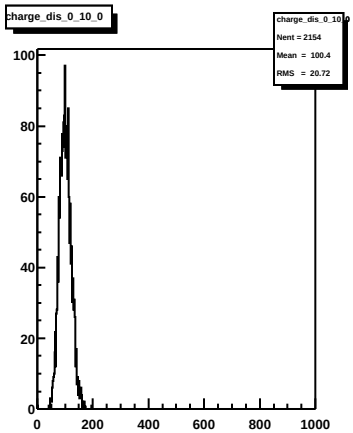
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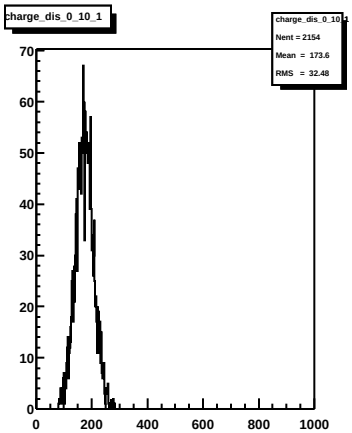
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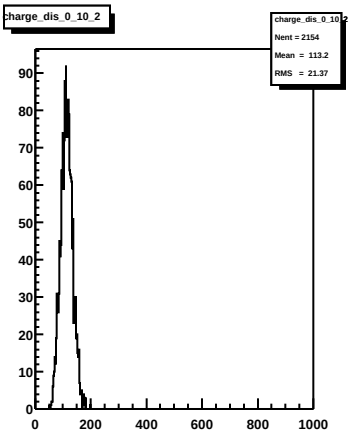
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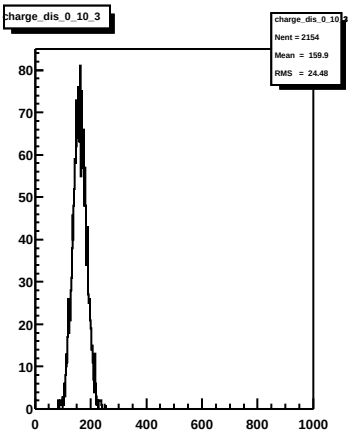
Mean = 113.2
RMS = 21.37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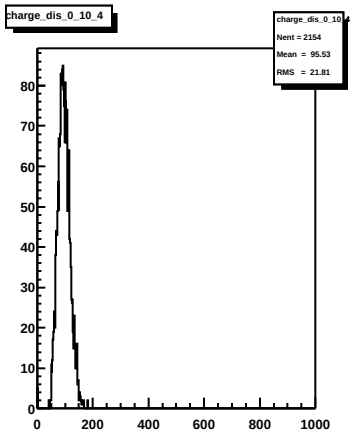
Mean = 159.9
RMS = 24.48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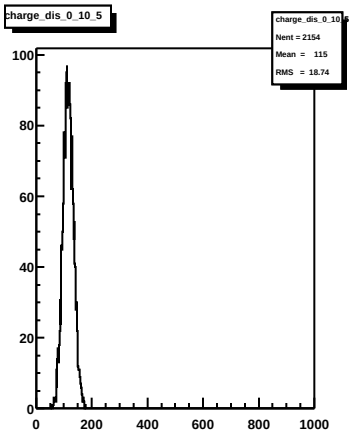
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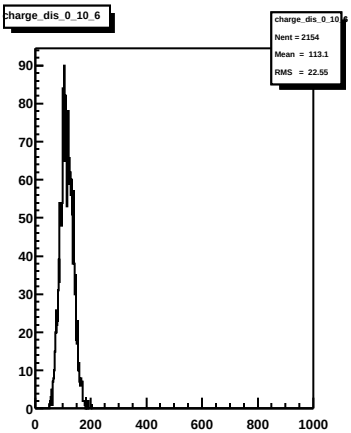
Mean = 115
RMS = 18.74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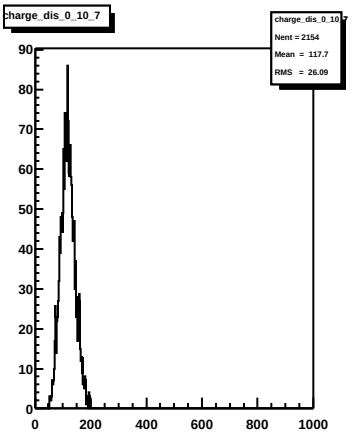
Mean = 113.1
RMS = 22.55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charge_dis_0_10_7
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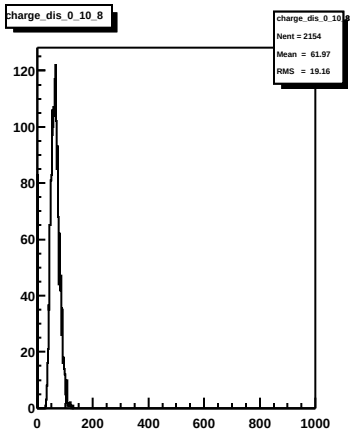
RMS = 26.09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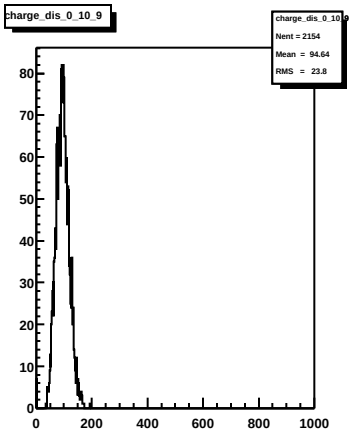
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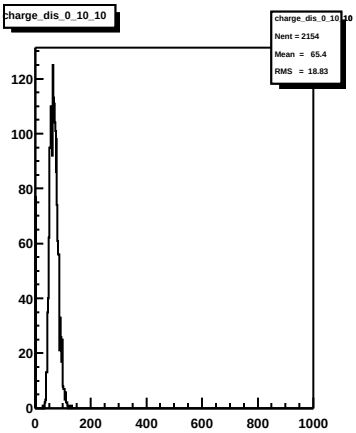
Mean = 94.64
RMS = 23.8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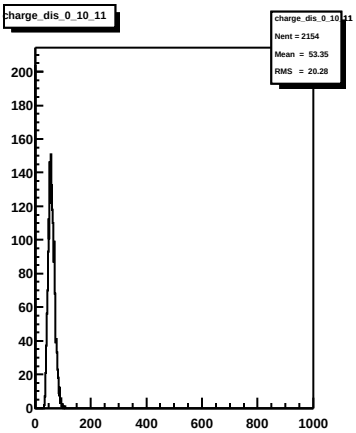
Mean = 65.4
RMS = 18.83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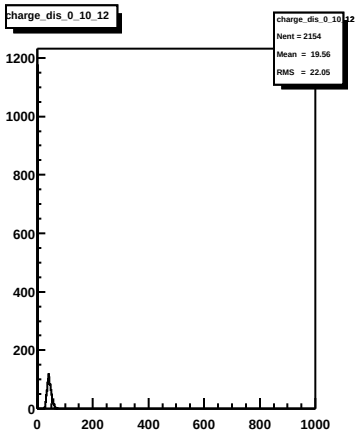
Mean = 53.35
RMS = 20.28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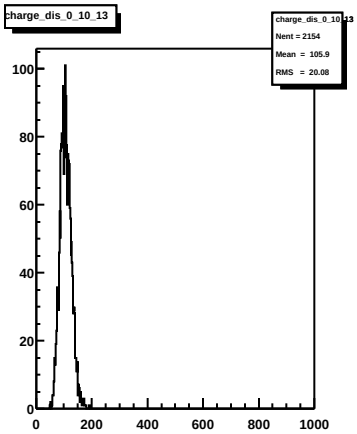
RMS = 22.05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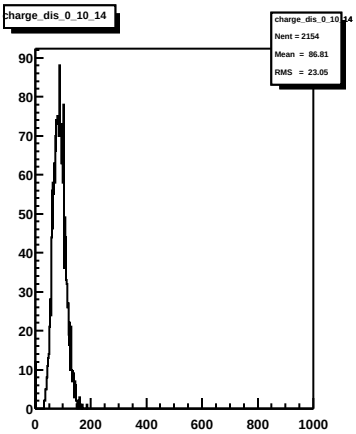
Mean = 105.9
RMS = 20.08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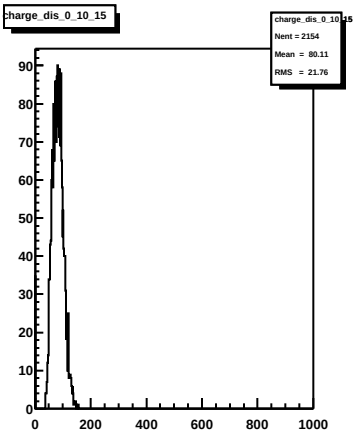
Mean = 86.81
RMS = 23.05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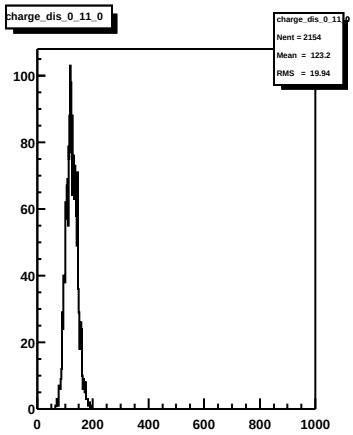
RMS = 21.76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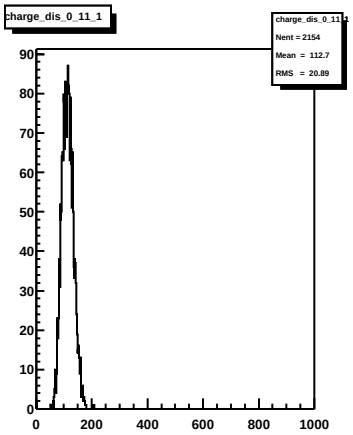
Mean = 123.2
RMS = 19.94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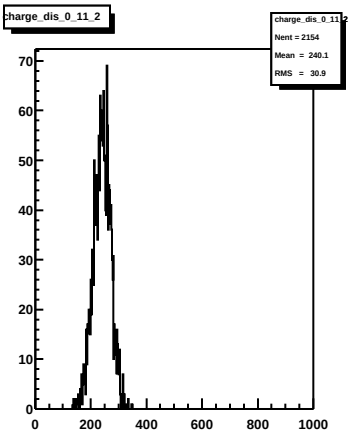
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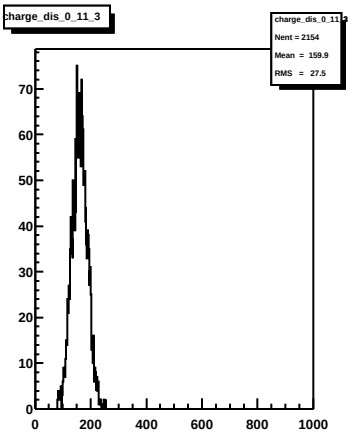
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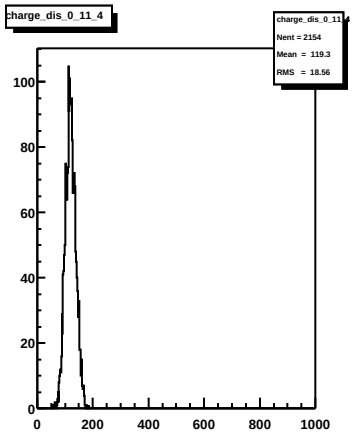
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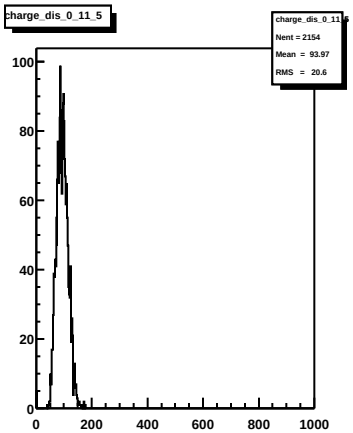
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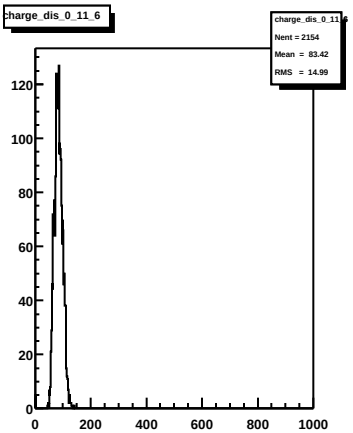
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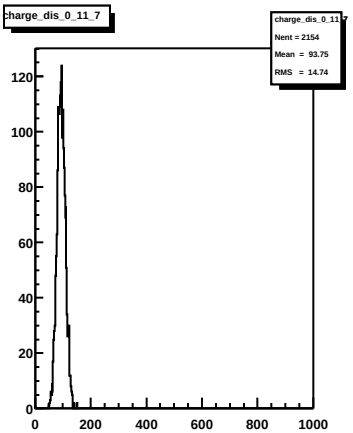
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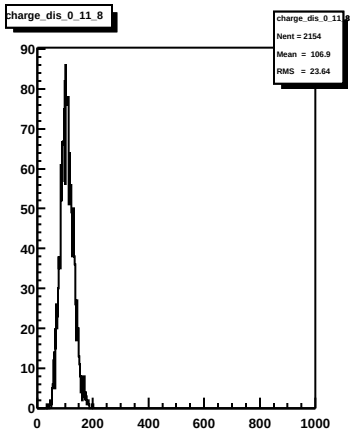
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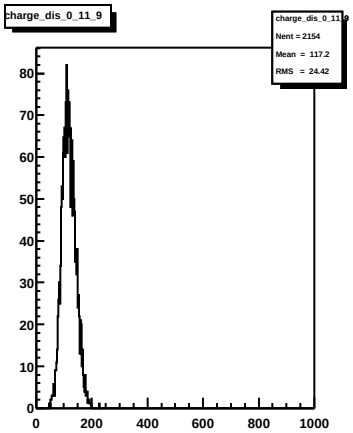
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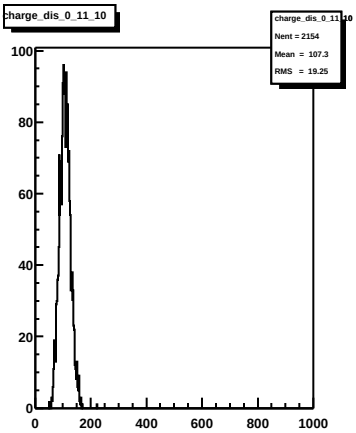
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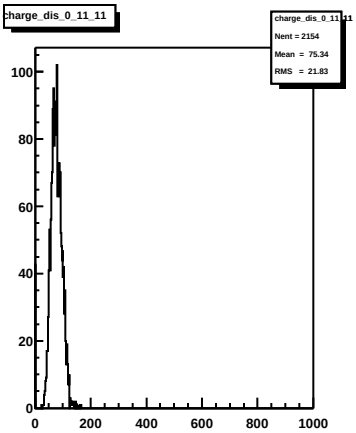
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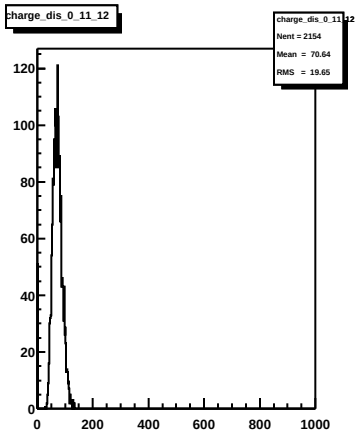
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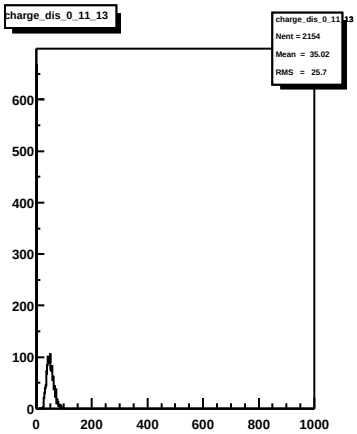
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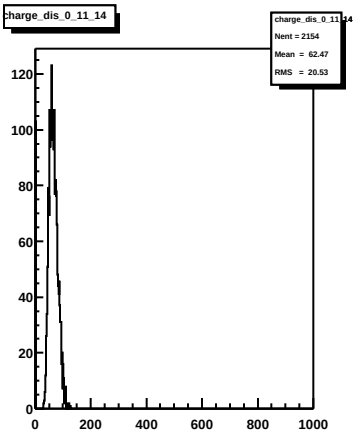
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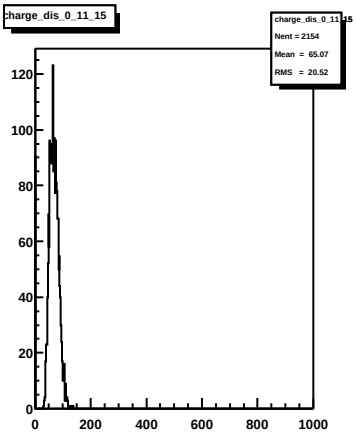
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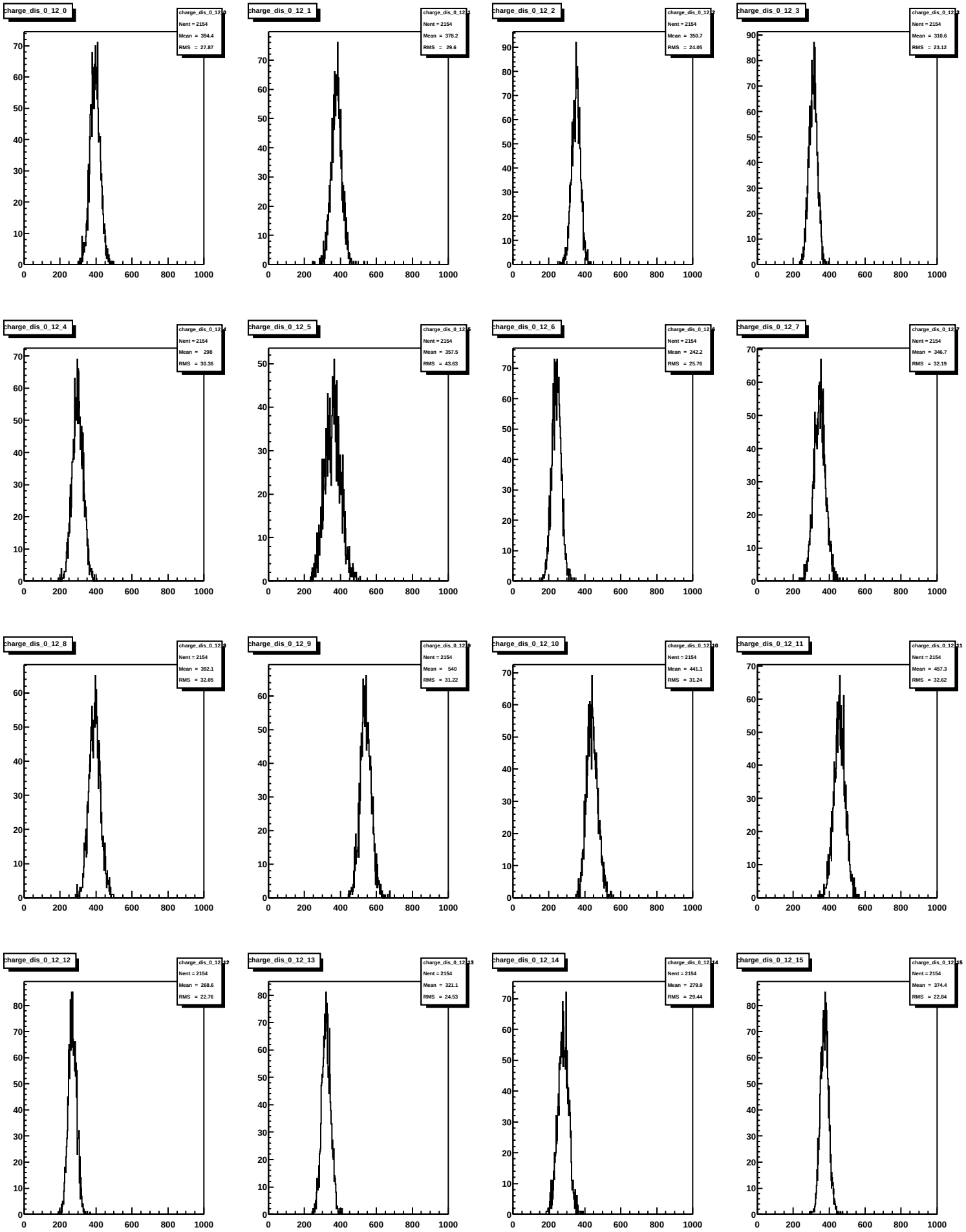
RMS = 20.52


charge_dis_0_12_0
charge_dis_0_12_0
Nent = 2154
Mean = 394.4
RMS = 27.87
charge_dis_0_12_1
charge_dis_0_12_1
Nent = 2154
Mean = 378.2
RMS = 29.6
charge_dis_0_12_2
charge_dis_0_12_2
Nent = 2154
Mean = 350.7
RMS = 24.05
charge_dis_0_12_3
charge_dis_0_12_3
Nent = 2154
Mean = 310.6
RMS = 23.12
charge_dis_0_12_4
charge_dis_0_12_4
Nent = 2154
Mean = 298
RMS = 30.36
charge_dis_0_12_5
charge_dis_0_12_5
Nent = 2154
Mean = 357.5
RMS = 43.63
charge_dis_0_12_6
charge_dis_0_12_6
Nent = 2154
Mean = 242.2
RMS = 25.76
charge_dis_0_12_7
charge_dis_0_12_7
Nent = 2154
Mean = 346.7
RMS = 32.19
charge_dis_0_12_8
charge_dis_0_12_8
Nent = 2154
Mean = 392.1
RMS = 32.05
charge_dis_0_12_9
charge_dis_0_12_9
Nent = 2154
Mean = 540
RMS = 31.22
charge_dis_0_12_10
charge_dis_0_12_10
Nent = 2154
Mean = 441.1
RMS = 31.24
charge_dis_0_12_11
charge_dis_0_12_11
Nent = 2154
Mean = 457.3
RMS = 32.62
charge_dis_0_12_12
charge_dis_0_12_12
Nent = 2154
Mean = 268.6
RMS = 22.76
charge_dis_0_12_13
charge_dis_0_12_13
Nent = 2154
Mean = 321.1
RMS = 24.53
charge_dis_0_12_14
charge_dis_0_12_14
Nent = 2154
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charge_dis_0_12_15
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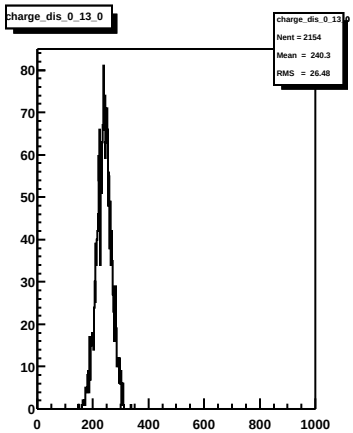
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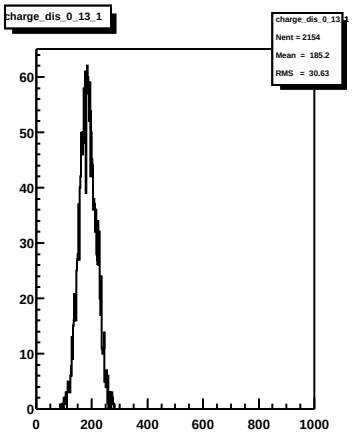
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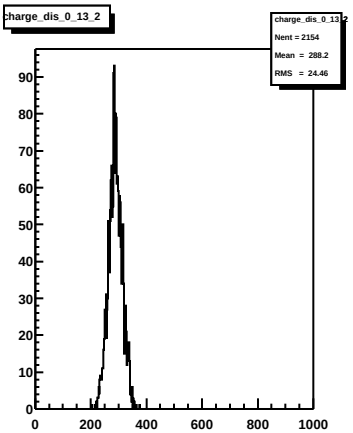
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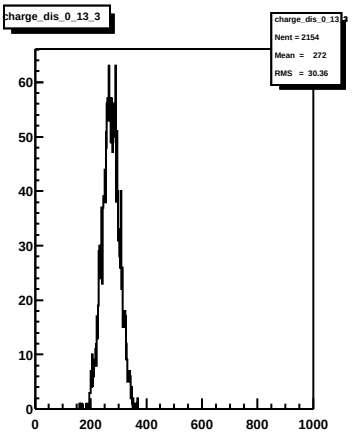
RMS = 24.46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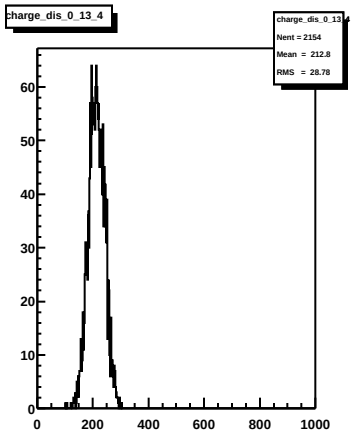
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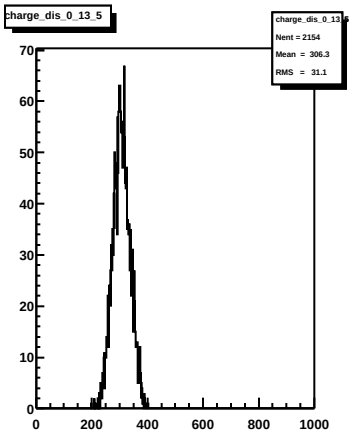
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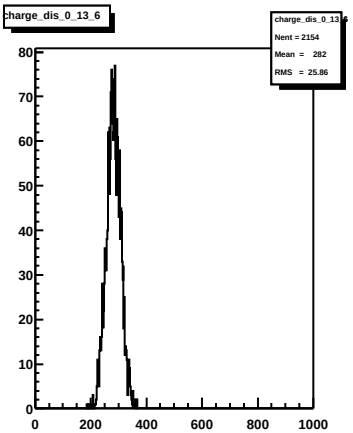
RMS = 31.1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Mean = 282
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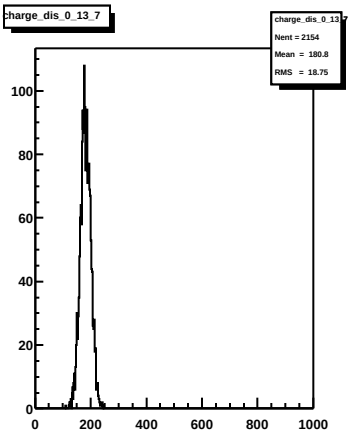
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charge_dis_0_13_7
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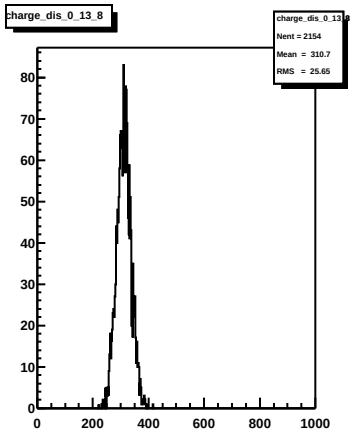
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charge_dis_0_13_8
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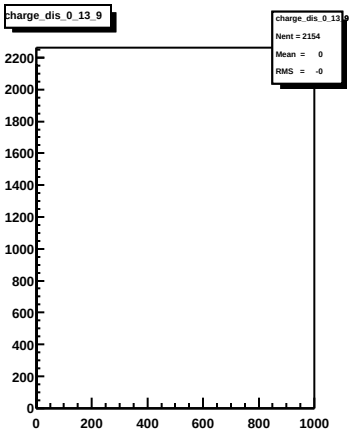
RMS = 25.65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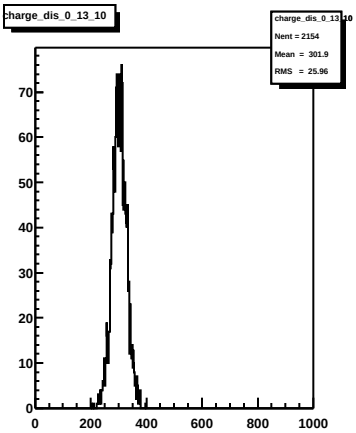
Mean = 0
RMS = -0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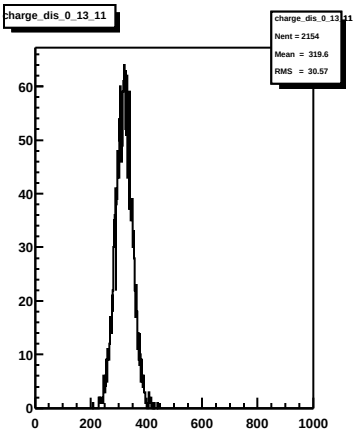
RMS = 25.96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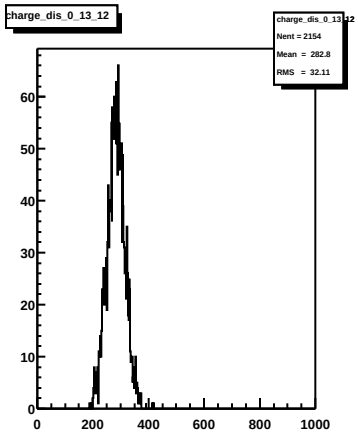
RMS = 30.57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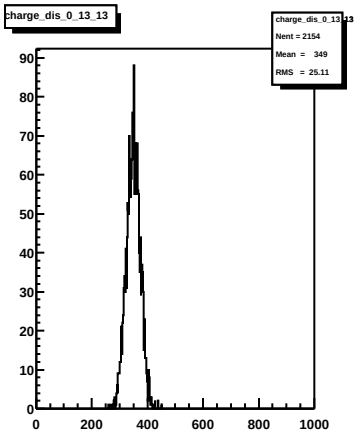
RMS = 32.11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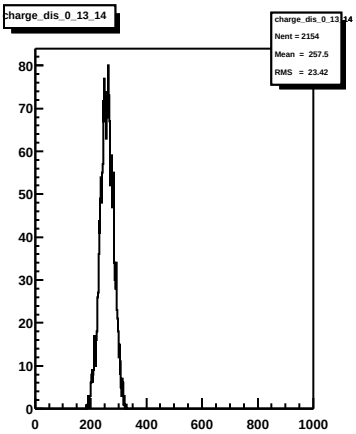
Mean = 349
RMS = 25.11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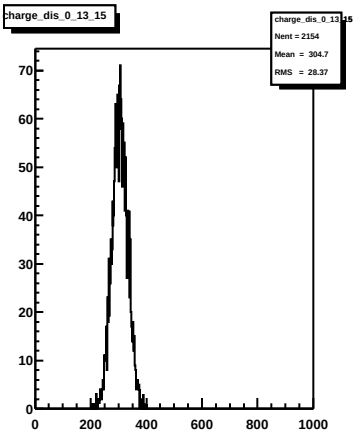
RMS = 23.42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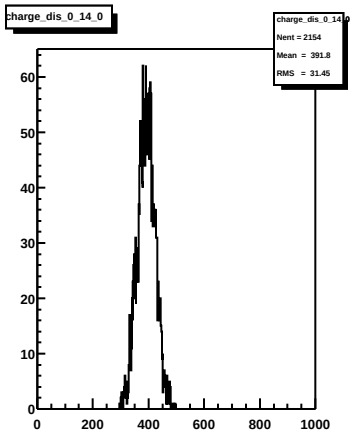
RMS = 28.37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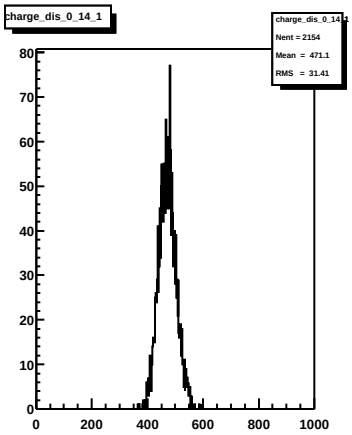
Mean = 391.8
RMS = 31.45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charge_dis_0_14_1
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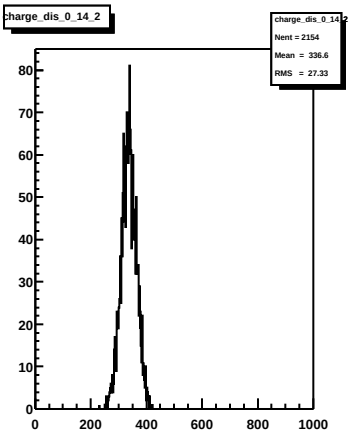
RMS = 31.41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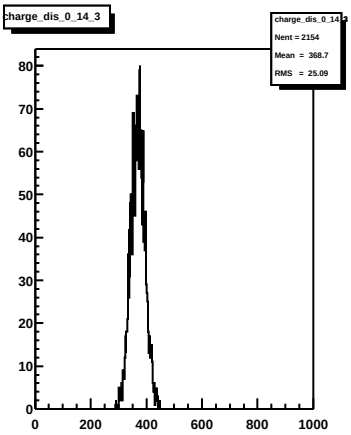
RMS = 27.33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charge_dis_0_14_3
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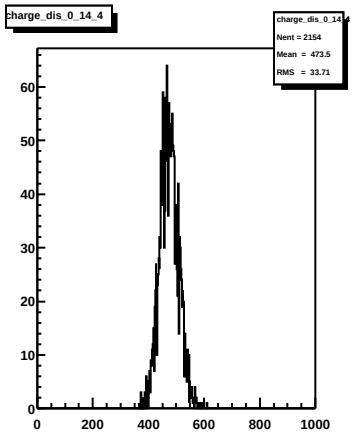
RMS = 25.09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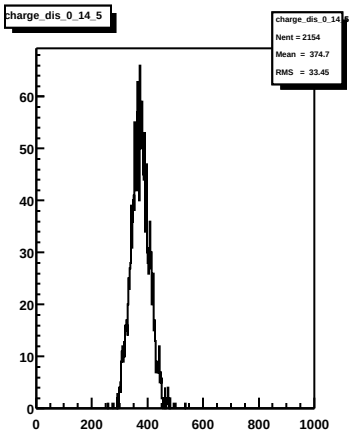
Mean = 473.5
RMS = 33.71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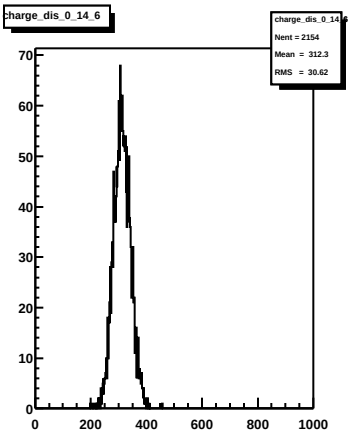
charge_dis_0_14_5
Nent = 2154
Mean = 374.7
RMS = 33.45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charge_dis_0_14_6
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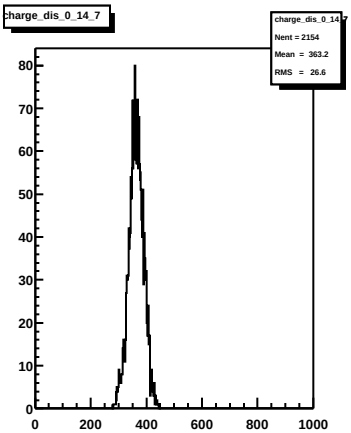
RMS = 30.62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charge_dis_0_14_7
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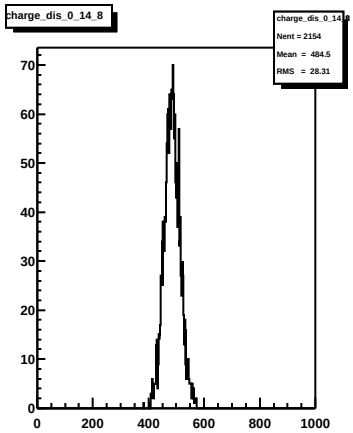
Mean = 363.2
RMS = 26.6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charge_dis_0_14_8
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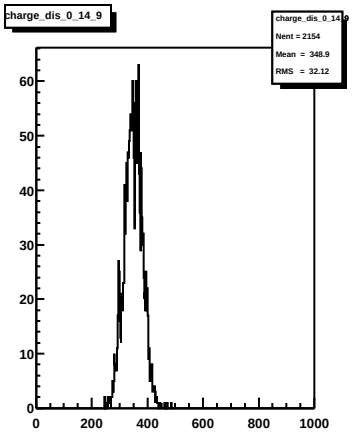
RMS = 28.31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charge_dis_0_14_9
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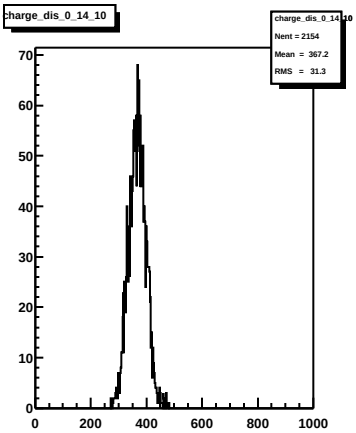
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charge_dis_0_14_10
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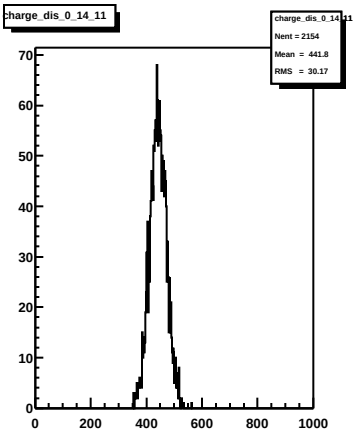
Mean = 367.2
RMS = 31.3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charge_dis_0_14_11
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Mean = 441.8
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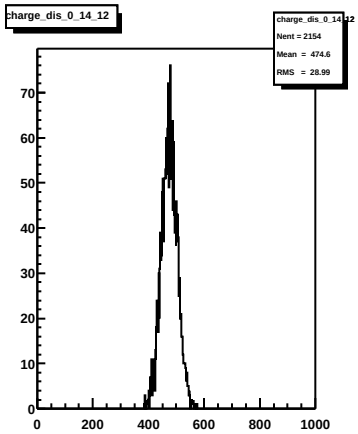
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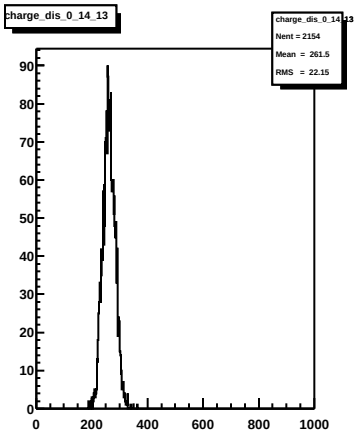
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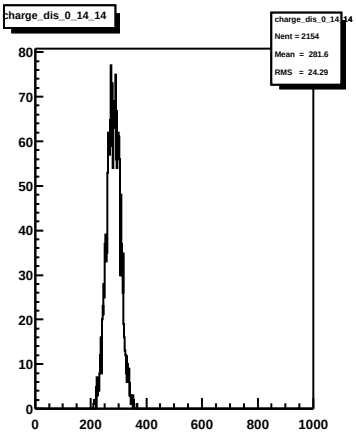
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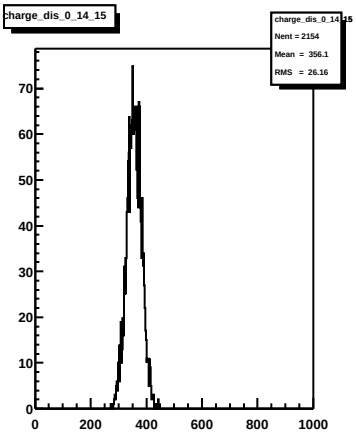
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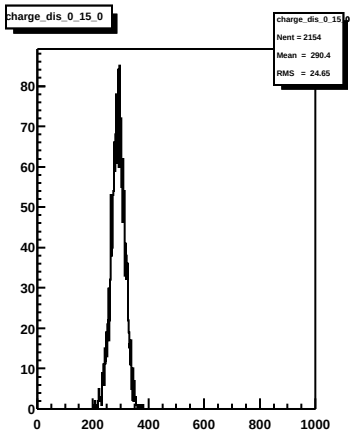
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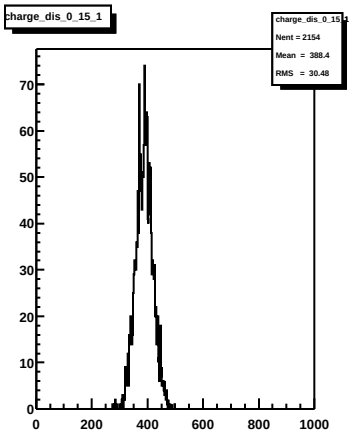
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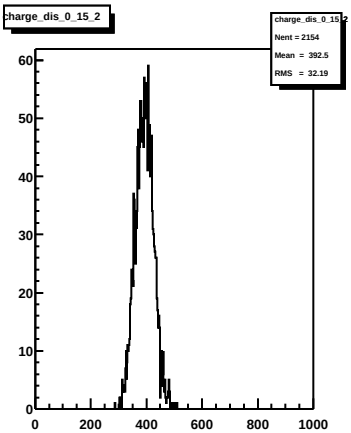
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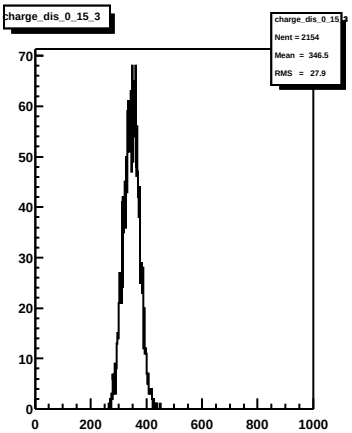
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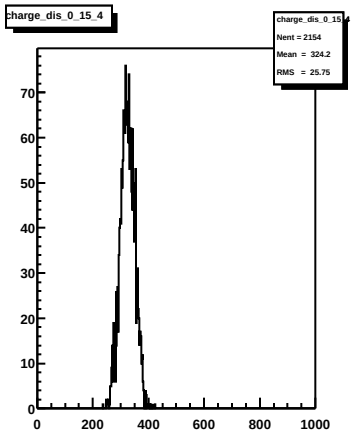
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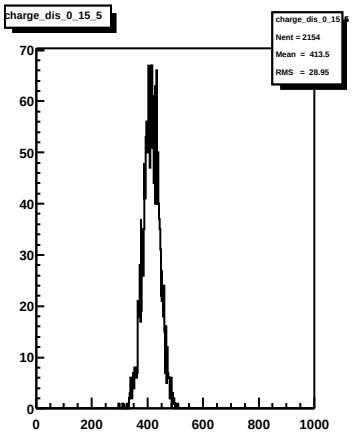
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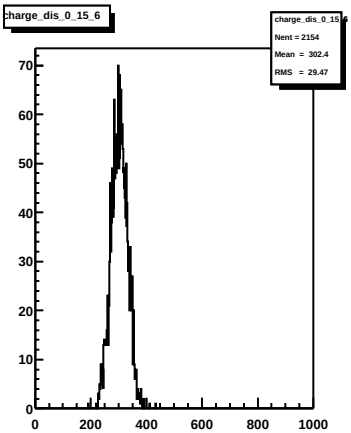
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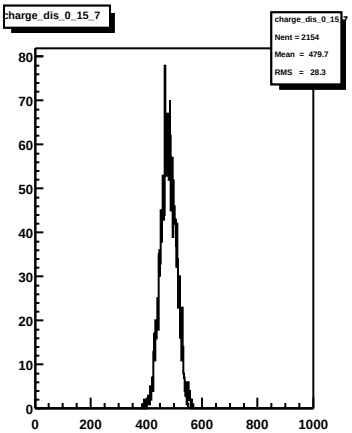
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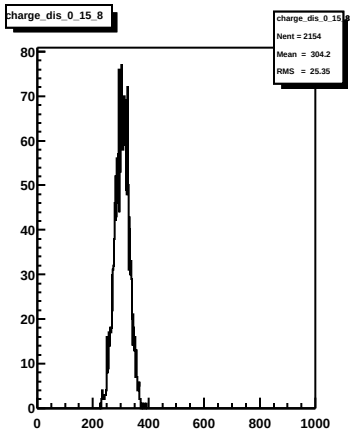
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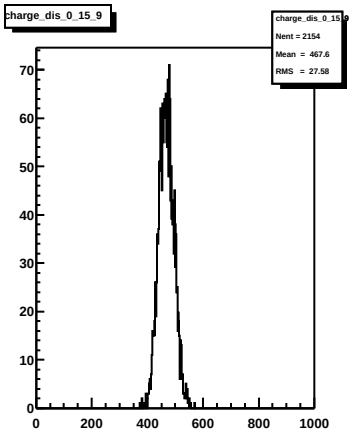
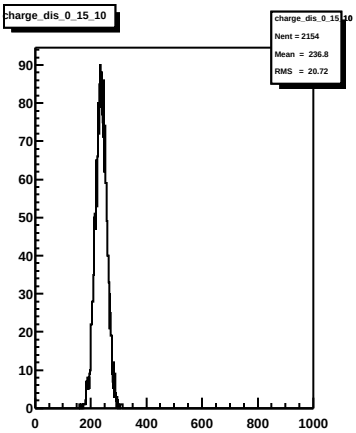
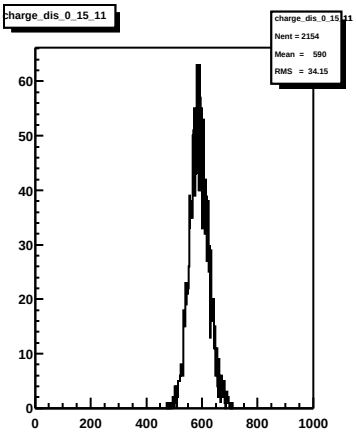
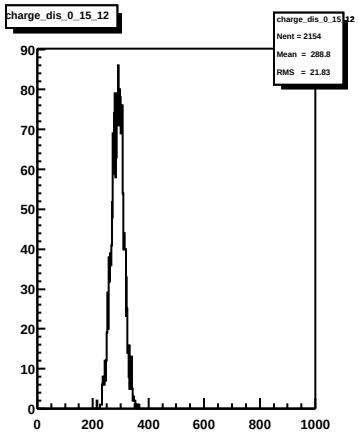
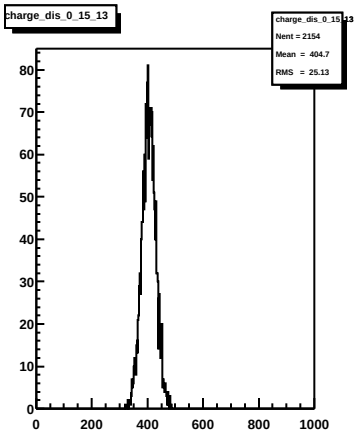
charge_dis_0_15_8
Nent = 2154
Mean = 304.2
RMS = 25.35

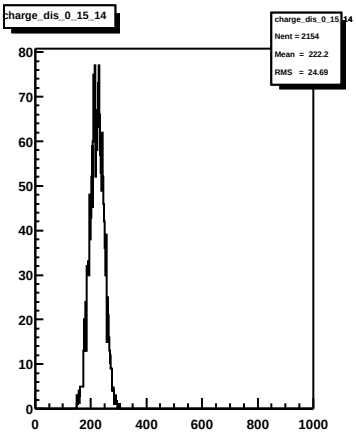

charge_dis_0_15_9
charge_dis_0_15_9
Nent = 2154
Mean = 467.6
RMS = 27.58

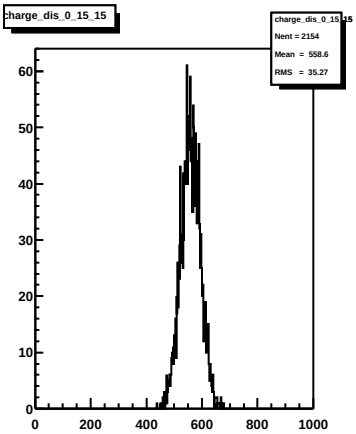

charge_dis_0_15_10
charge_dis_0_15_10
Nent = 2154
Mean = 236.8
RMS = 20.72

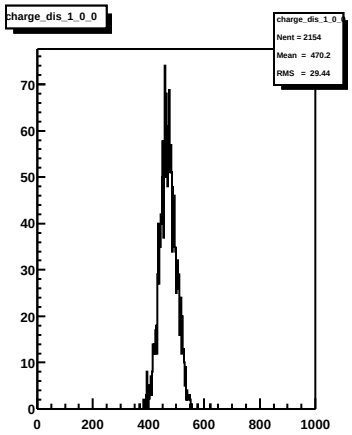

charge_dis_0_15_11
charge_dis_0_15_11
Nent = 2154
Mean = 590
RMS = 34.15

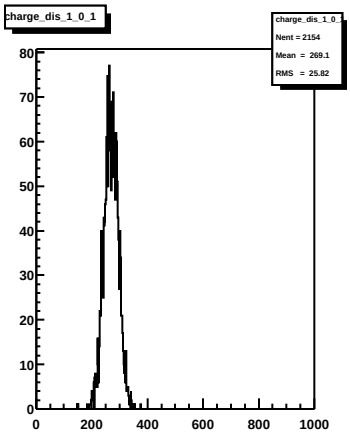

charge_dis_0_15_12
charge_dis_0_15_12
Nent = 2154
Mean = 288.8
RMS = 21.83

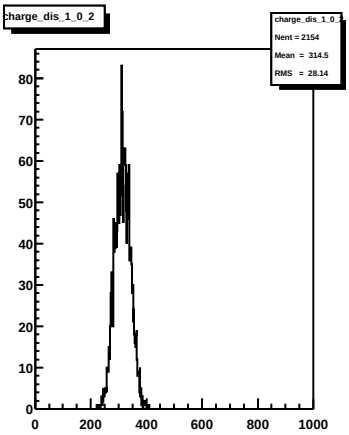

charge_dis_0_15_13
charge_dis_0_15_13
Nent = 2154
Mean = 404.7
RMS = 25.13

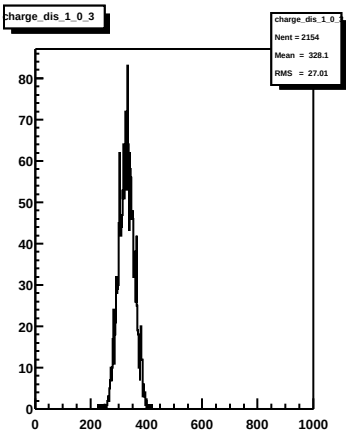

charge_dis_0_15_14
charge_dis_0_15_14
Nent = 2154
Mean = 222.2
RMS = 24.69

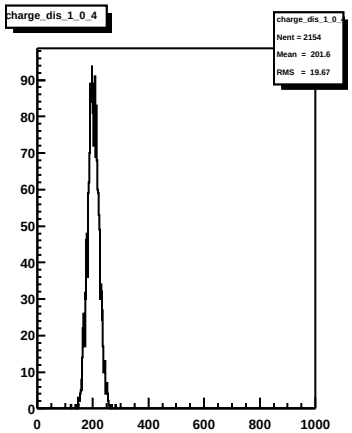

charge_dis_0_15_15
charge_dis_0_15_15
Nent = 2154
Mean = 558.6
RMS = 35.27


charge_dis_1_0_0
charge_dis_1_0_
Nent = 2154
Mean = 470.2
RMS = 29.44


charge_dis_1_0_1
charge_dis_1_0_
Nent = 2154
Mean = 269.1
RMS = 25.82


charge_dis_1_0_2
charge_dis_1_0_
Nent = 2154
Mean = 314.5
RMS = 28.14


charge_dis_1_0_3
charge_dis_1_0_
Nent = 2154
Mean = 328.1
RMS = 27.01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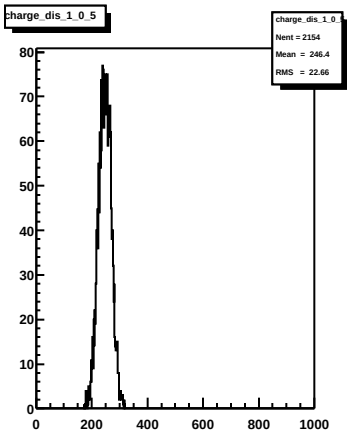
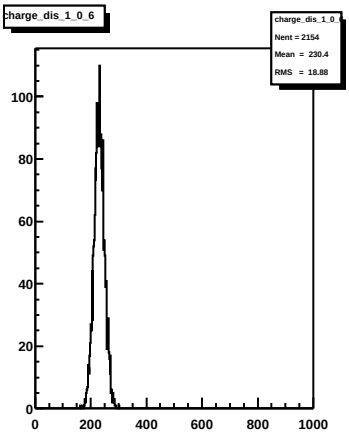
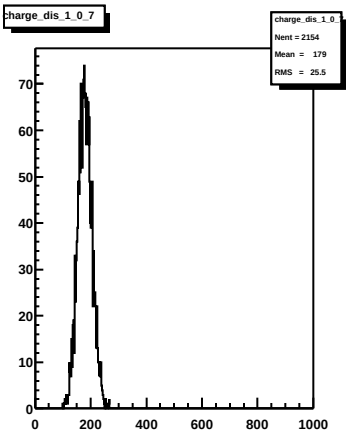
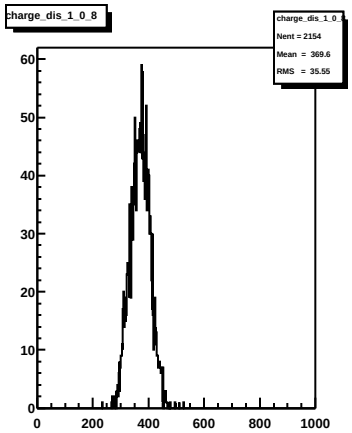
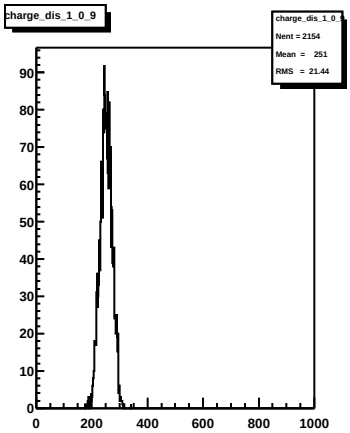
charge_dis_1_0_
Nent = 2154
Mean = 201.6
RMS = 19.67

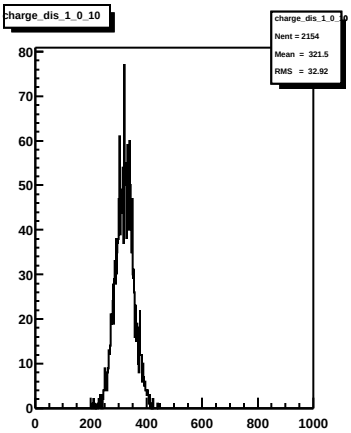

charge_dis_1_0_5
charge_dis_1_0_
Nent = 2154
Mean = 246.4
RMS = 22.66


charge_dis_1_0_6
charge_dis_1_0_
Nent = 2154
Mean = 230.4
RMS = 18.88


charge_dis_1_0_7
charge_dis_1_0_
Nent = 2154
Mean = 179
RMS = 25.5


charge_dis_1_0_8
charge_dis_1_0_
Nent = 2154
Mean = 369.6
RMS = 35.55


charge_dis_1_0_9
charge_dis_1_0_
Nent = 2154
Mean = 251
RMS = 21.44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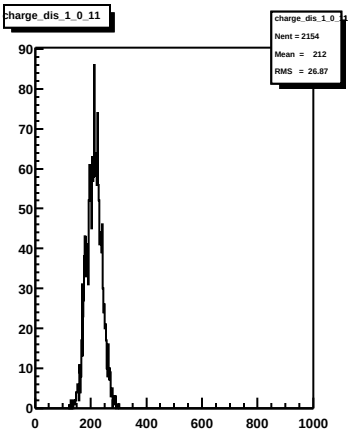
Nent = 2154
Mean = 321.5
RMS = 32.92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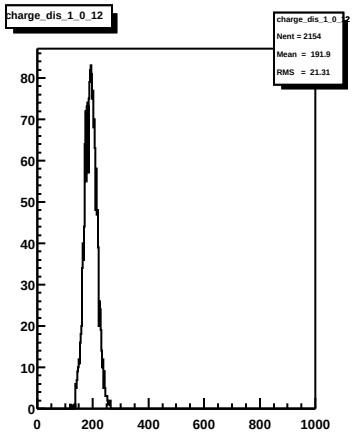
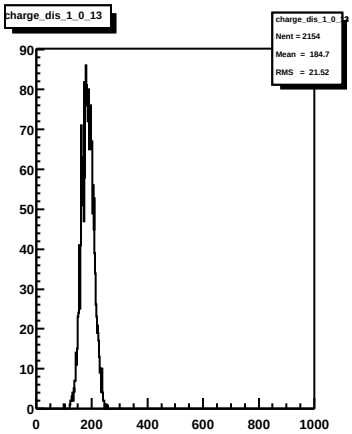
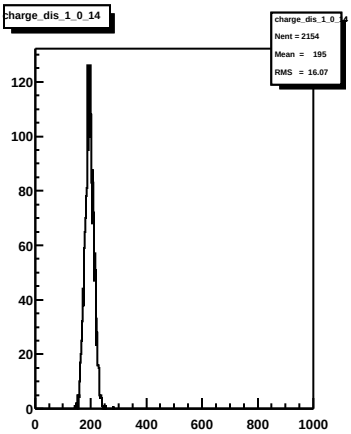
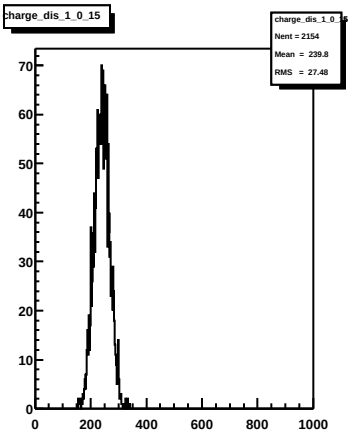
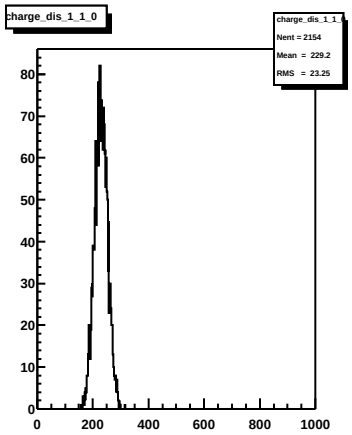
Nent = 2154
Mean = 212
RMS = 26.87

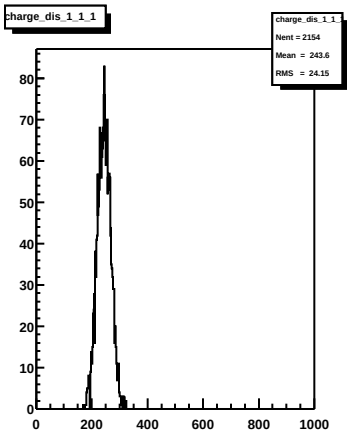

charge_dis_1_0_12
Nent = 2154
Mean = 191.9
RMS = 21.31

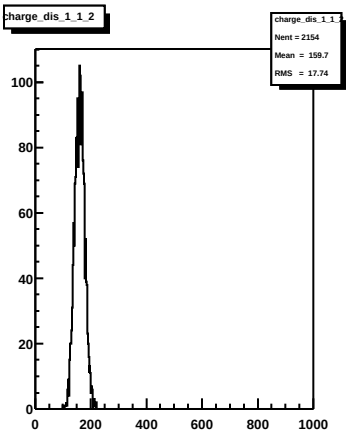

charge_dis_1_0_13
Nent = 2154
Mean = 184.7
RMS = 21.52

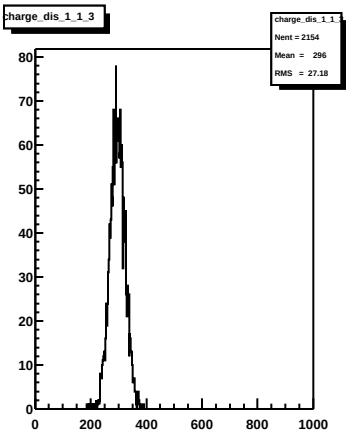

charge_dis_1_0_14
Nent = 2154
Mean = 195
RMS = 16.07

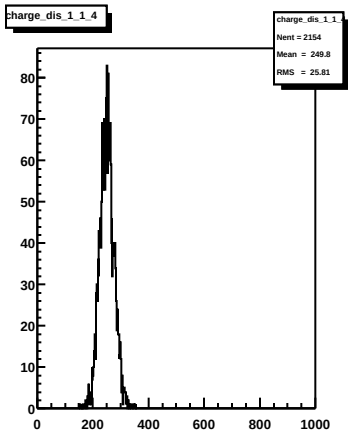

charge_dis_1_0_15
Nent = 2154
Mean = 239.8
RMS = 27.48

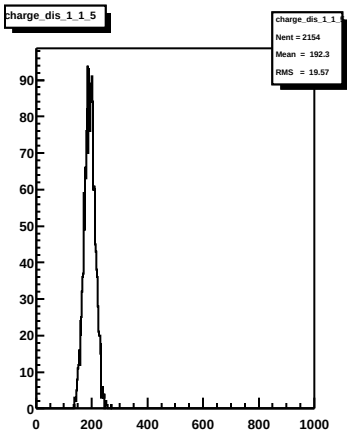

charge_dis_1_1_0
charge_dis_1_1_
Nent = 2154
Mean = 229.2
RMS = 23.25

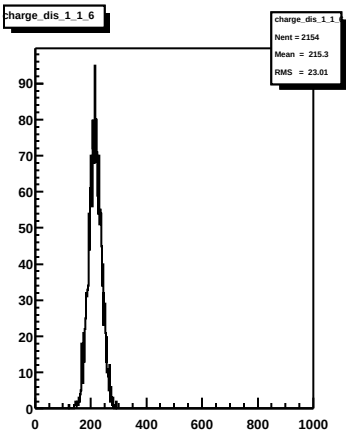

charge_dis_1_1_1
charge_dis_1_1_
Nent = 2154
Mean = 243.6
RMS = 24.15

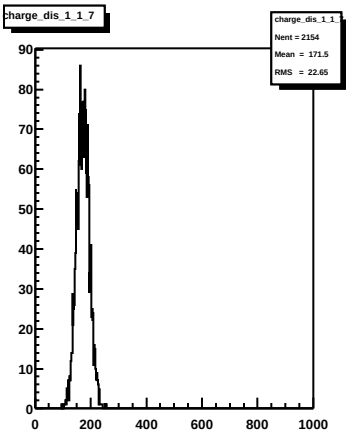

charge_dis_1_1_2
charge_dis_1_1_
Nent = 2154
Mean = 159.7
RMS = 17.74

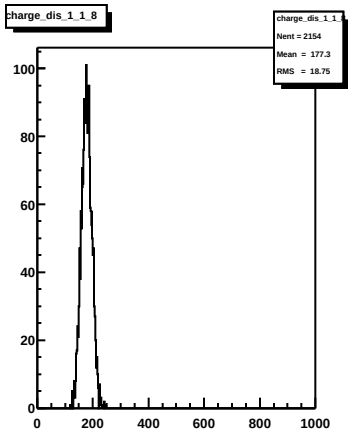

charge_dis_1_1_3
charge_dis_1_1_
Nent = 2154
Mean = 296
RMS = 27.18

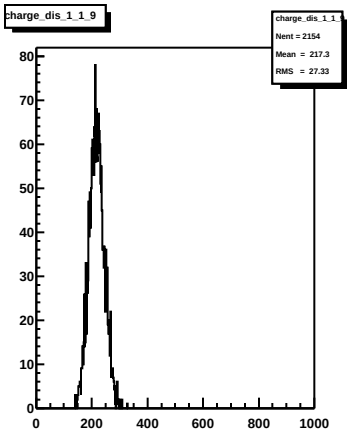

charge_dis_1_1_4
charge_dis_1_1_
Nent = 2154
Mean = 249.8
RMS = 25.81

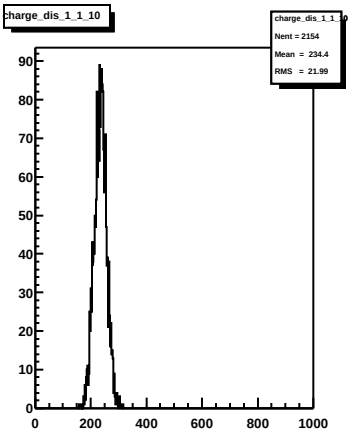

charge_dis_1_1_5
charge_dis_1_1_
Nent = 2154
Mean = 192.3
RMS = 19.57

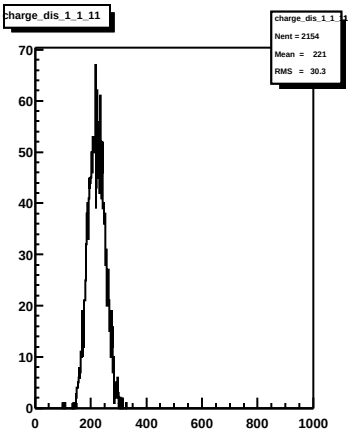

charge_dis_1_1_6
charge_dis_1_1_
Nent = 2154
Mean = 215.3
RMS = 23.01

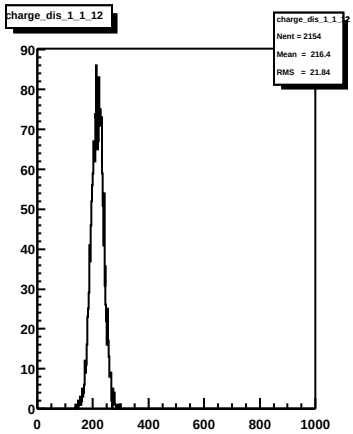

charge_dis_1_1_7
charge_dis_1_1_
Nent = 2154
Mean = 171.5
RMS = 22.65

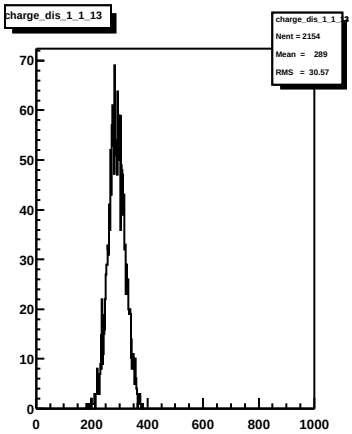

charge_dis_1_1_8
charge_dis_1_1_
Nent = 2154
Mean = 177.3
RMS = 18.75

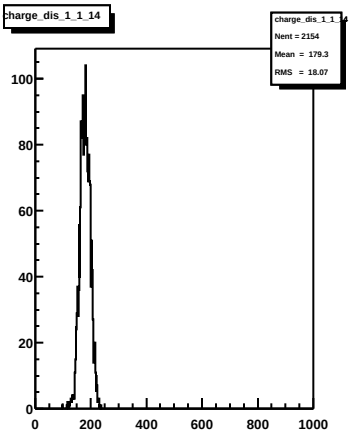

charge_dis_1_1_9
charge_dis_1_1_
Nent = 2154
Mean = 217.3
RMS = 27.33

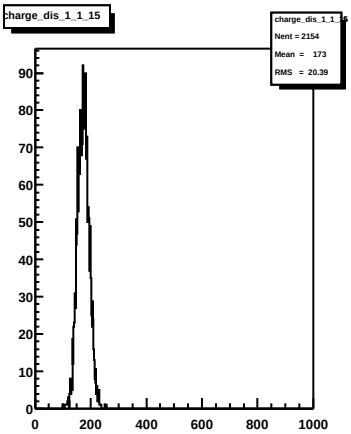

charge_dis_1_1_10
Nent = 2154
Mean = 234.4
RMS = 21.99


charge_dis_1_1_11
charge_dis_1_1_
Nent = 2154
Mean = 221
RMS = 30.3


charge_dis_1_1_12
Nent = 2154
Mean = 216.4
RMS = 21.84


charge_dis_1_1_13
Nent = 2154
Mean = 289
RMS = 30.57


charge_dis_1_1_14
Nent = 2154
Mean = 179.3
RMS = 18.07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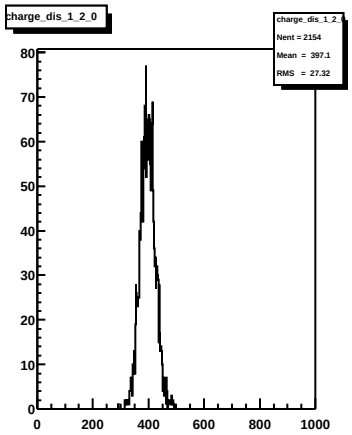
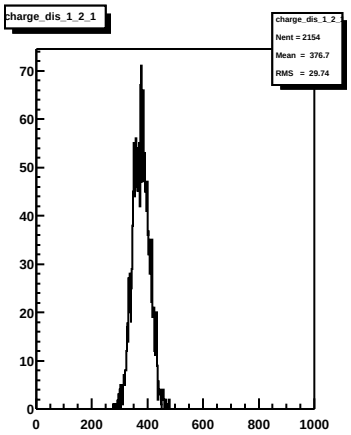
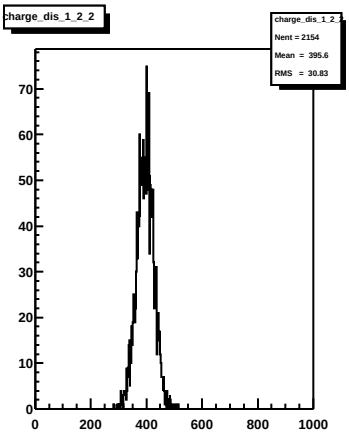
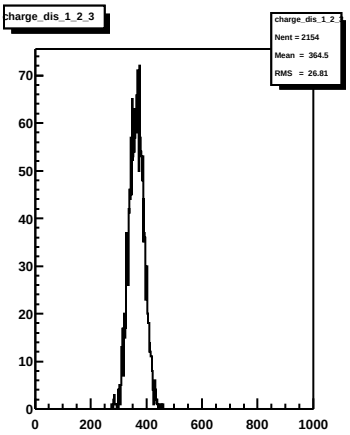
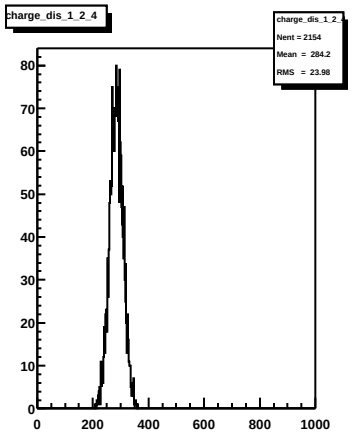
Nent = 2154
Mean = 173
RMS = 20.39


charge_dis_1_2_0
charge_dis_1_2_
Nent = 2154
Mean = 397.1
RMS = 27.32


charge_dis_1_2_1
charge_dis_1_2_
Nent = 2154
Mean = 376.7
RMS = 29.74


charge_dis_1_2_2
charge_dis_1_2_
Nent = 2154
Mean = 395.6
RMS = 30.83


charge_dis_1_2_3
charge_dis_1_2_
Nent = 2154
Mean = 364.5
RMS = 26.81


charge_dis_1_2_4
charge_dis_1_2_
Nent = 2154
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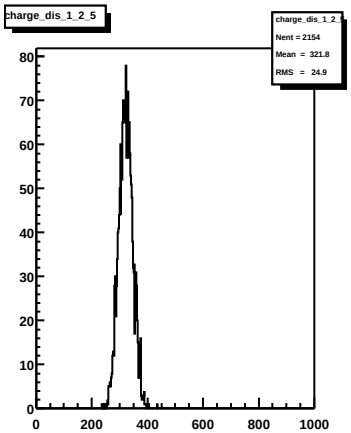
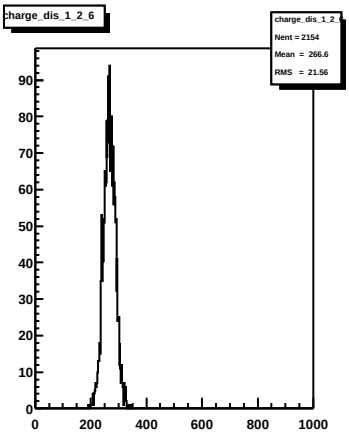
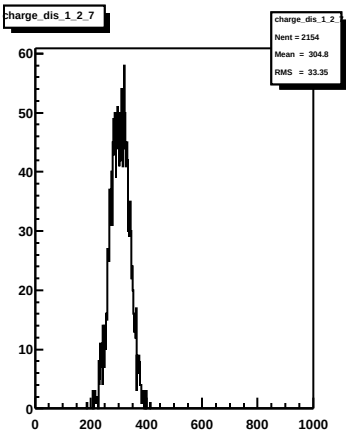
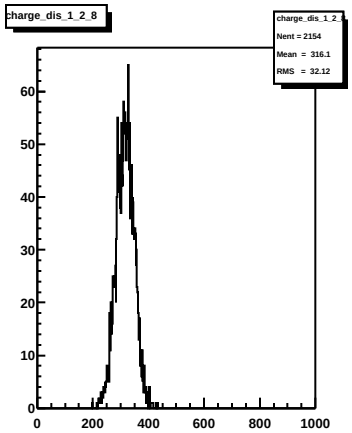
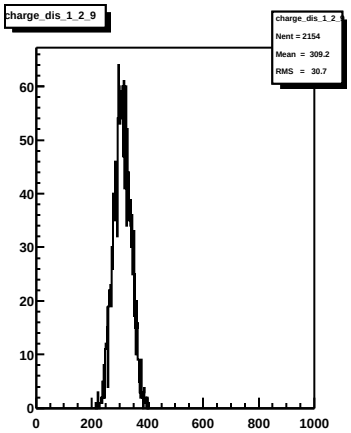
RMS = 23.98

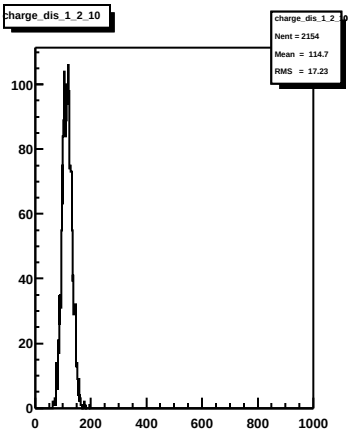

charge_dis_1_2_5
charge_dis_1_2_
Nent = 2154
Mean = 321.8
RMS = 24.9

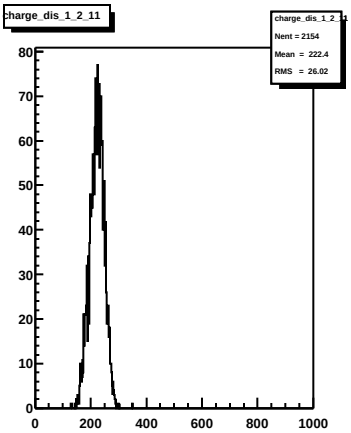

charge_dis_1_2_6
charge_dis_1_2_
Nent = 2154
Mean = 266.6
RMS = 21.56

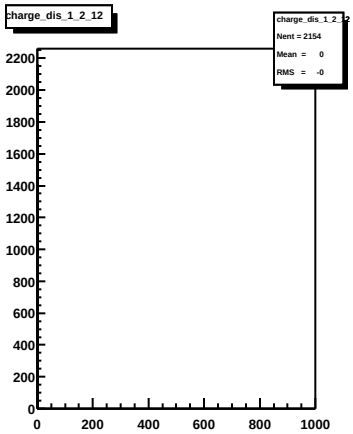

charge_dis_1_2_7
charge_dis_1_2_
Nent = 2154
Mean = 304.8
RMS = 33.35

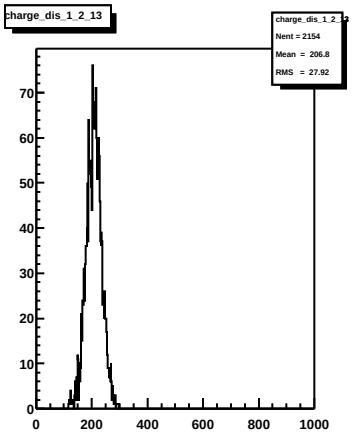

charge_dis_1_2_8
charge_dis_1_2_
Nent = 2154
Mean = 316.1
RMS = 32.12

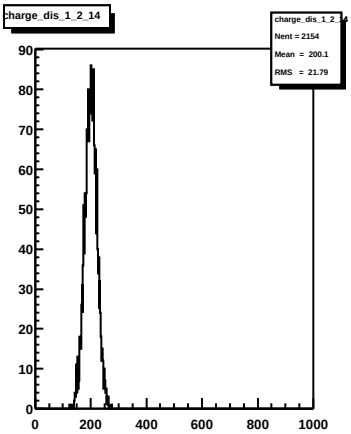

charge_dis_1_2_9
charge_dis_1_2_
Nent = 2154
Mean = 309.2
RMS = 30.7

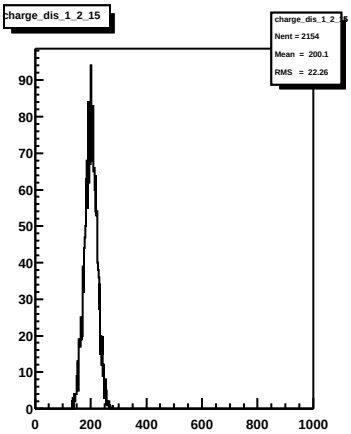

charge_dis_1_2_10
Nent = 2154
Mean = 114.7
RMS = 17.23

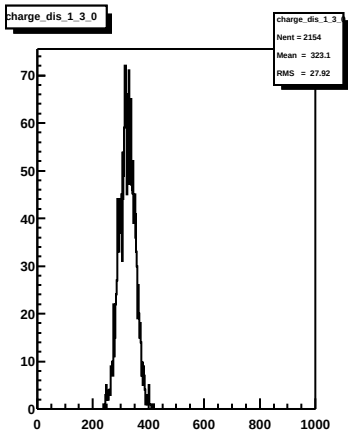

charge_dis_1_2_11
Nent = 2154
Mean = 222.4
RMS = 26.02

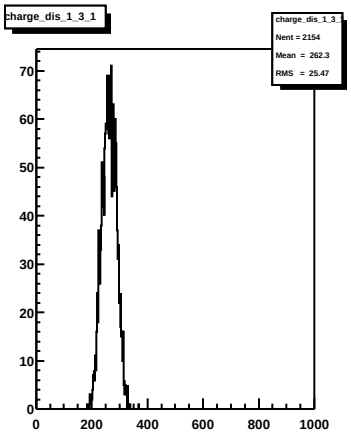

charge_dis_1_2_12
Nent = 2154
Mean = 0
RMS = -0

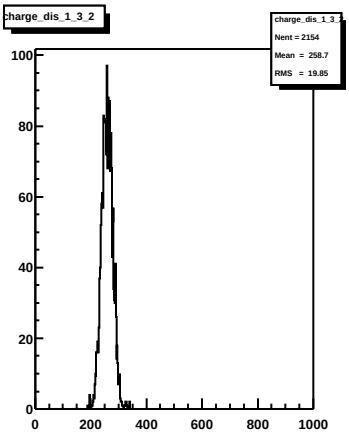

charge_dis_1_2_13
Nent = 2154
Mean = 206.8
RMS = 27.92

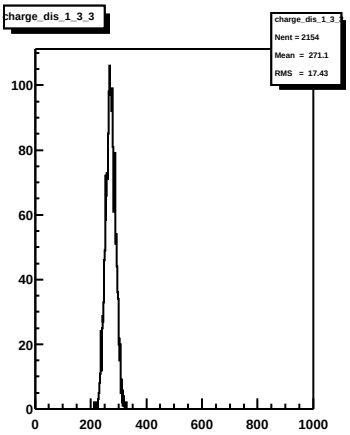

charge_dis_1_2_14
Nent = 2154
Mean = 200.1
RMS = 21.79

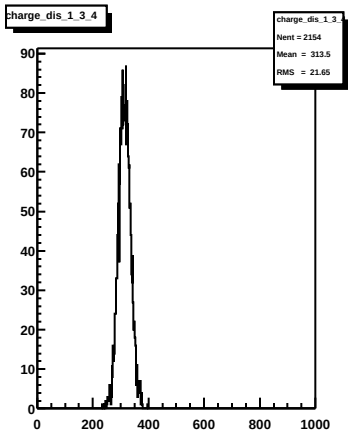

charge_dis_1_2_15
Nent = 2154
Mean = 200.1
RMS = 22.26

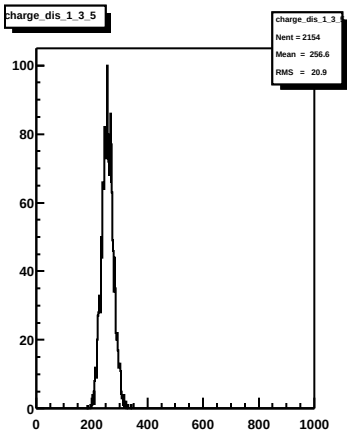

charge_dis_1_3_0
charge_dis_1_3_
Nent = 2154
Mean = 323.1
RMS = 27.92

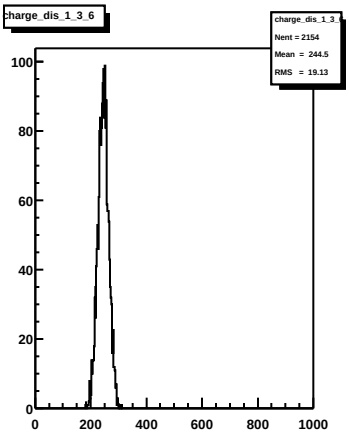

charge_dis_1_3_1
charge_dis_1_3_
Nent = 2154
Mean = 262.3
RMS = 25.47

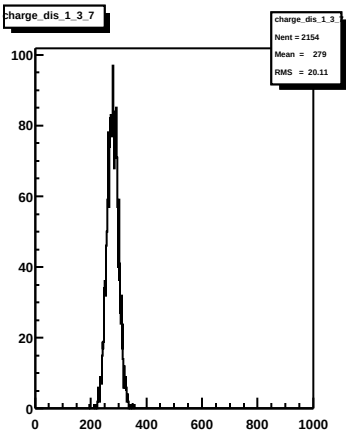

charge_dis_1_3_2
charge_dis_1_3_
Nent = 2154
Mean = 258.7
RMS = 19.85

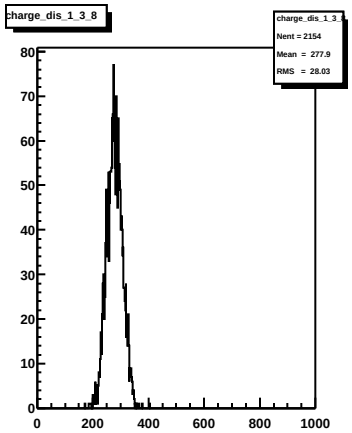

charge_dis_1_3_3
charge_dis_1_3_
Nent = 2154
Mean = 271.1
RMS = 17.43

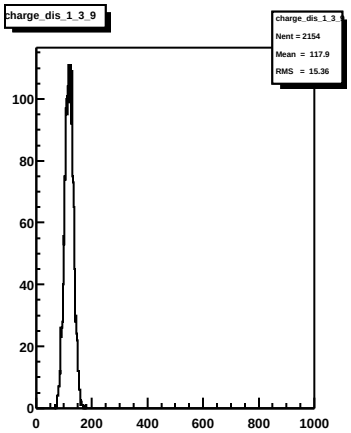

charge_dis_1_3_4
charge_dis_1_3_
Nent = 2154
Mean = 313.5
RMS = 21.65

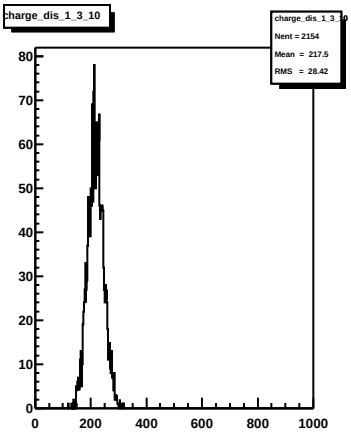

charge_dis_1_3_5
charge_dis_1_3_
Nent = 2154
Mean = 256.6
RMS = 20.9

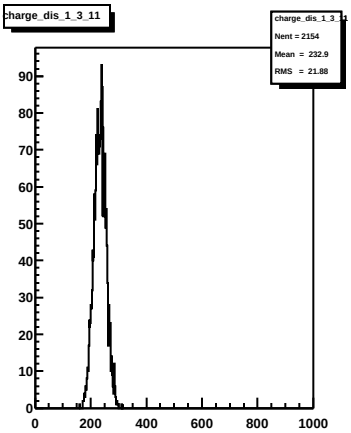

charge_dis_1_3_6
charge_dis_1_3_
Nent = 2154
Mean = 244.5
RMS = 19.13

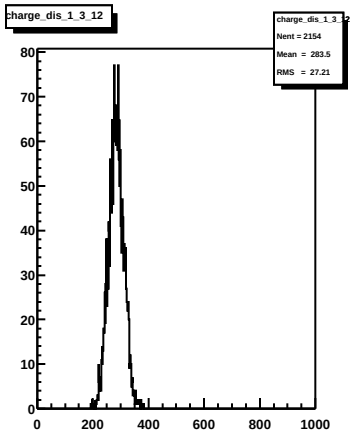

charge_dis_1_3_7
charge_dis_1_3_
Nent = 2154
Mean = 279
RMS = 20.11

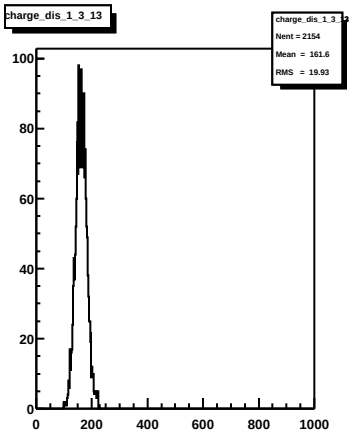

charge_dis_1_3_8
charge_dis_1_3_
Nent = 2154
Mean = 277.9
RMS = 28.03

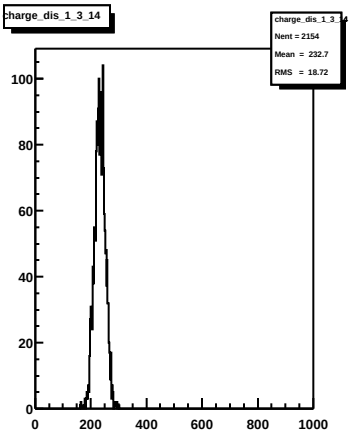

charge_dis_1_3_9
charge_dis_1_3_
Nent = 2154
Mean = 117.9
RMS = 15.36

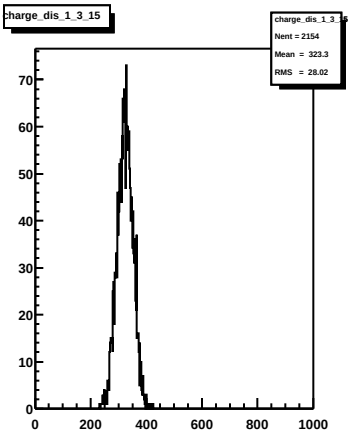

charge_dis_1_3_10
Nent = 2154
Mean = 217.5
RMS = 28.42

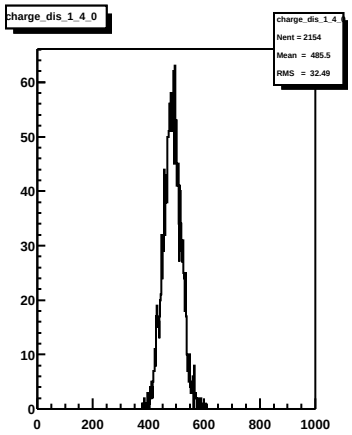

charge_dis_1_3_11
Nent = 2154
Mean = 232.9
RMS = 21.88

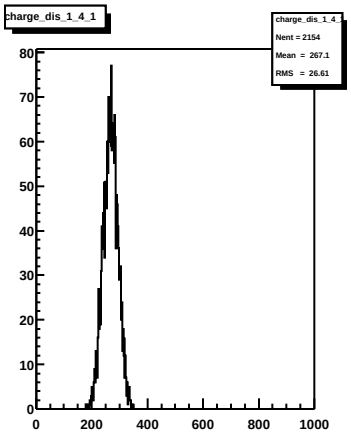

charge_dis_1_3_12
Nent = 2154
Mean = 283.5
RMS = 27.21

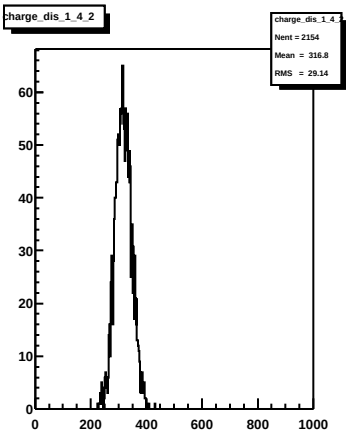

charge_dis_1_3_13
Nent = 2154
Mean = 161.6
RMS = 19.93

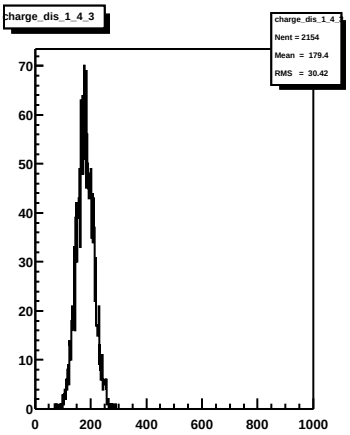

charge_dis_1_3_14
Nent = 2154
Mean = 232.7
RMS = 18.72

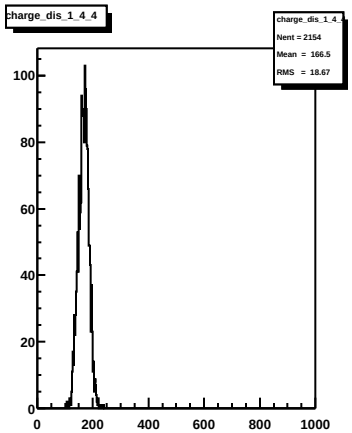

charge_dis_1_3_15
Nent = 2154
Mean = 323.3
RMS = 28.02

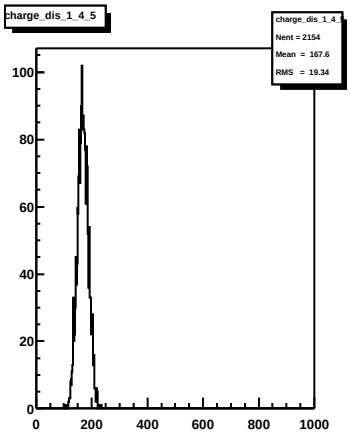

charge_dis_1_4_0
charge_dis_1_4_
Nent = 2154
Mean = 485.5
RMS = 32.49

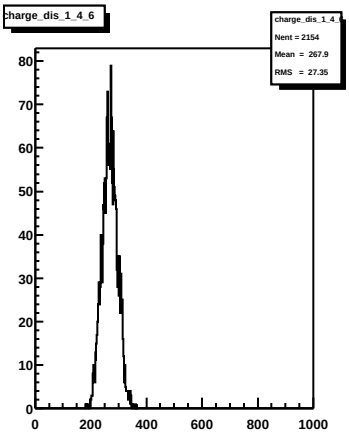

charge_dis_1_4_1
charge_dis_1_4_
Nent = 2154
Mean = 267.1
RMS = 26.61

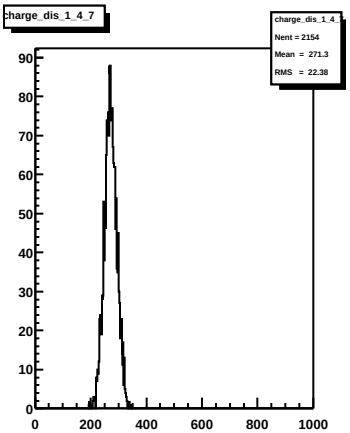

charge_dis_1_4_2
charge_dis_1_4_
Nent = 2154
Mean = 316.8
RMS = 29.14

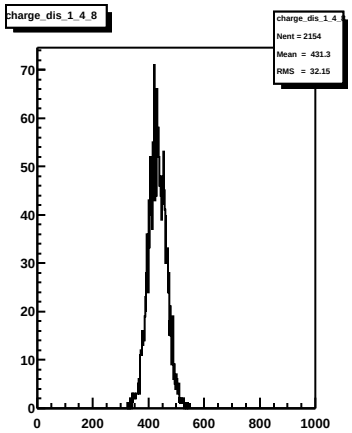

charge_dis_1_4_3
charge_dis_1_4_
Nent = 2154
Mean = 179.4
RMS = 30.42

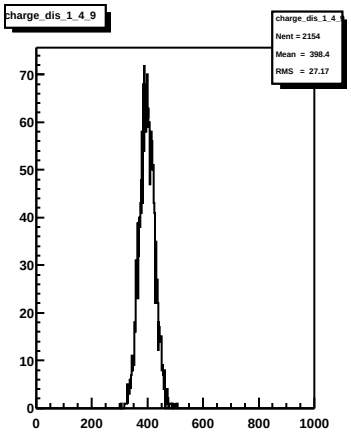

charge_dis_1_4_4
charge_dis_1_4_
Nent = 2154
Mean = 166.5
RMS = 18.67

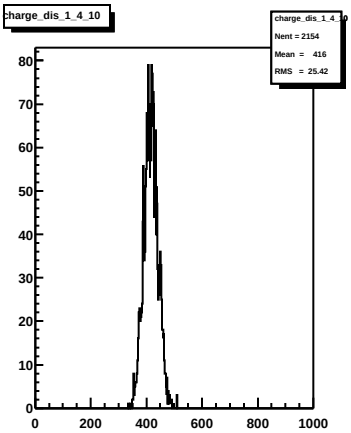

charge_dis_1_4_5
charge_dis_1_4_
Nent = 2154
Mean = 167.6
RMS = 19.34

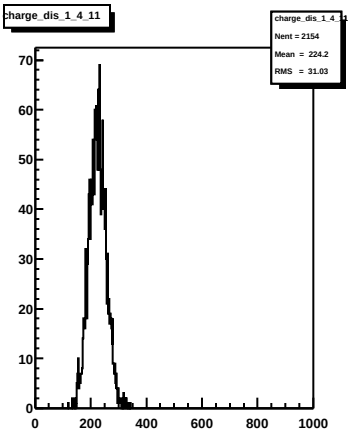

charge_dis_1_4_6
charge_dis_1_4_
Nent = 2154
Mean = 267.9
RMS = 27.35

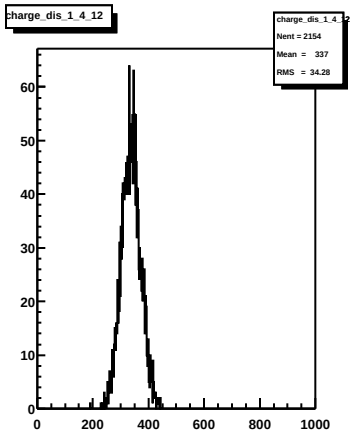

charge_dis_1_4_7
charge_dis_1_4_
Nent = 2154
Mean = 271.3
RMS = 22.38

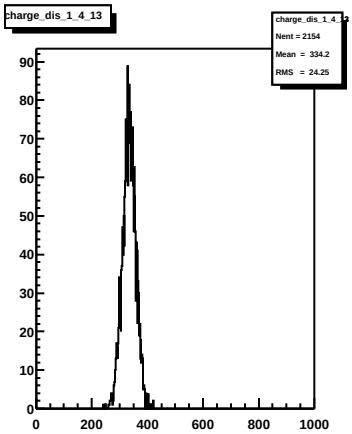

charge_dis_1_4_8
charge_dis_1_4_
Nent = 2154
Mean = 431.3
RMS = 32.15

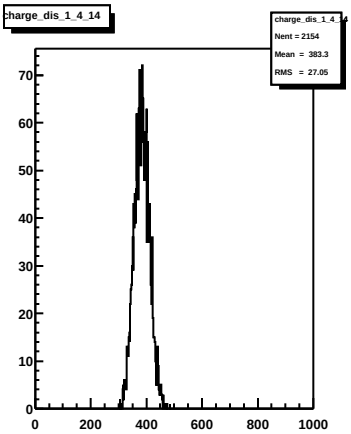

charge_dis_1_4_9
charge_dis_1_4_
Nent = 2154
Mean = 398.4
RMS = 27.17

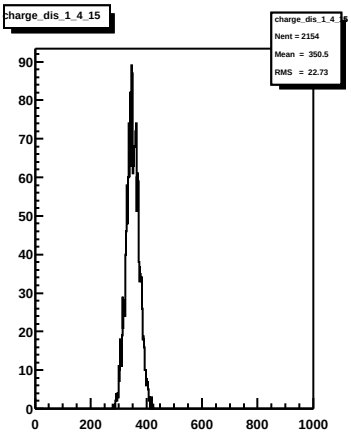

charge_dis_1_4_10
Nent = 2154
Mean = 416
RMS = 25.42


charge_dis_1_4_11
Nent = 2154
Mean = 224.2
RMS = 31.03


charge_dis_1_4_12
Nent = 2154
Mean = 337
RMS = 34.28


charge_dis_1_4_13
Nent = 2154
Mean = 334.2
RMS = 24.25


charge_dis_1_4_14
Nent = 2154
Mean = 383.3
RMS = 27.05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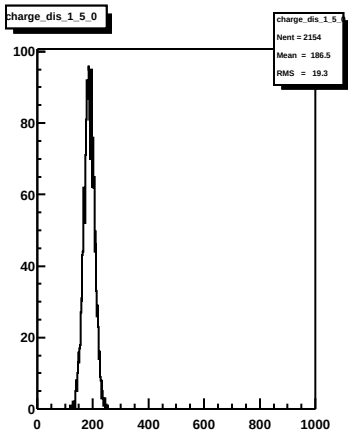
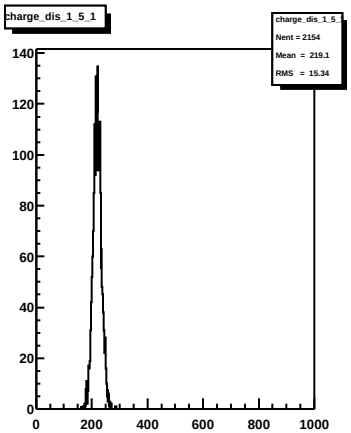
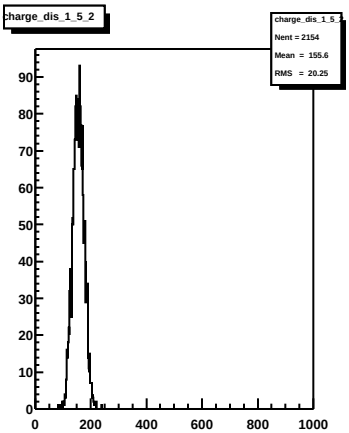
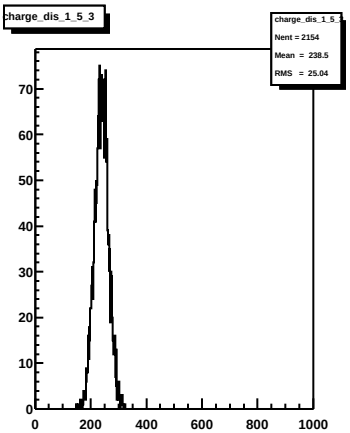
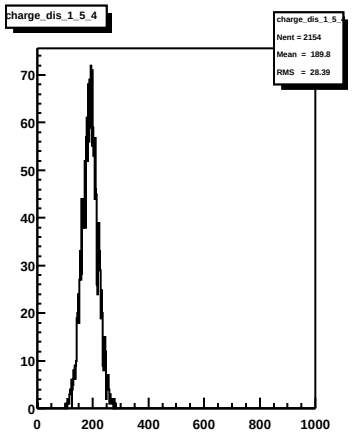
Nent = 2154
Mean = 350.5
RMS = 22.73

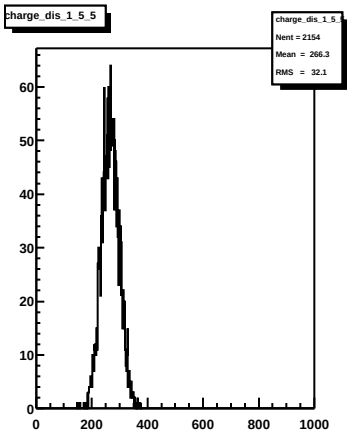

charge_dis_1_5_0
charge_dis_1_5_
Nent = 2154
Mean = 186.5
RMS = 19.3

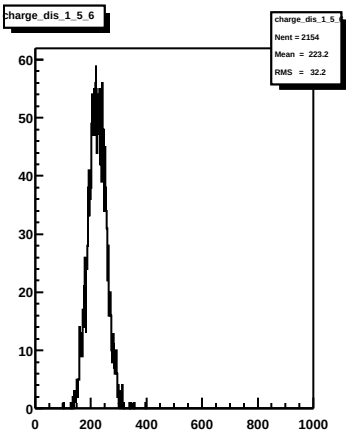

charge_dis_1_5_1
charge_dis_1_5_
Nent = 2154
Mean = 219.1
RMS = 15.34

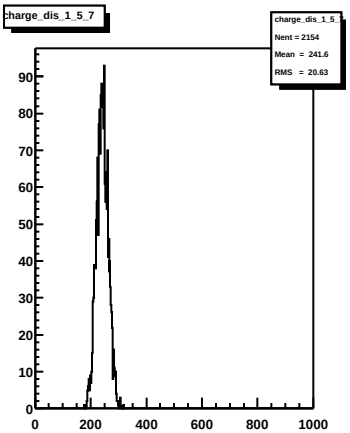

charge_dis_1_5_2
charge_dis_1_5_
Nent = 2154
Mean = 155.6
RMS = 20.25

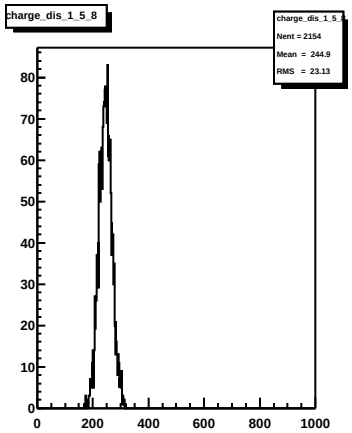

charge_dis_1_5_3
charge_dis_1_5_
Nent = 2154
Mean = 238.5
RMS = 25.04

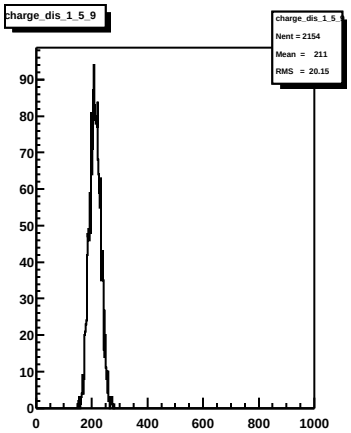

charge_dis_1_5_4
charge_dis_1_5_
Nent = 2154
Mean = 189.8
RMS = 28.39

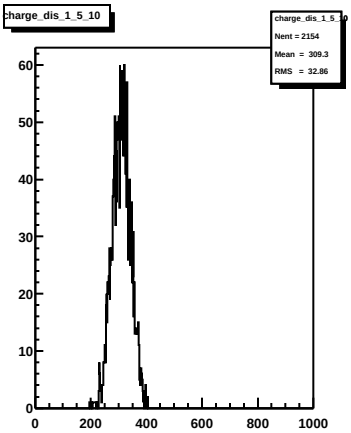

charge_dis_1_5_5
charge_dis_1_5_
Nent = 2154
Mean = 266.3
RMS = 32.1

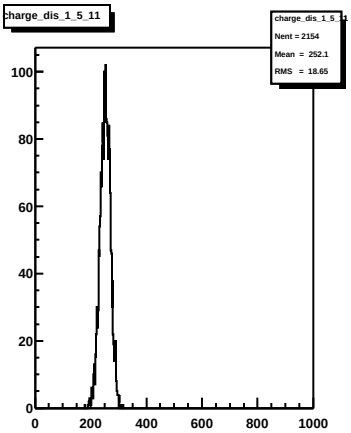

charge_dis_1_5_6
charge_dis_1_5_
Nent = 2154
Mean = 223.2
RMS = 32.2

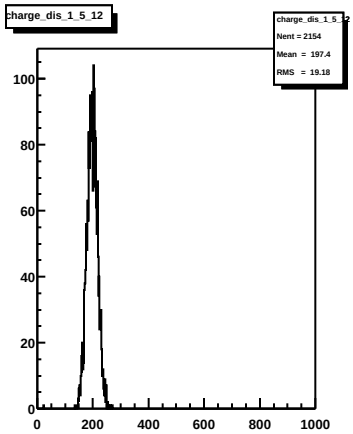

charge_dis_1_5_7
charge_dis_1_5_
Nent = 2154
Mean = 241.6
RMS = 20.63

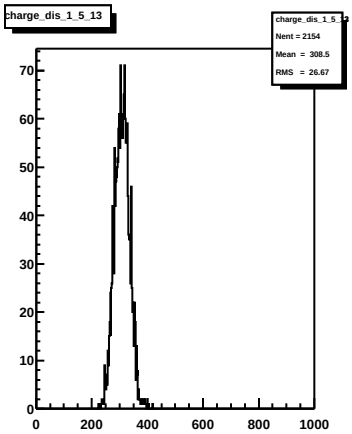

charge_dis_1_5_8
charge_dis_1_5_
Nent = 2154
Mean = 244.9
RMS = 23.13

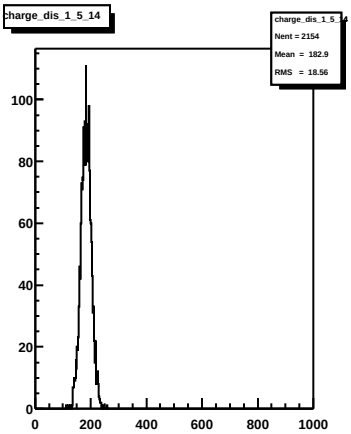

charge_dis_1_5_9
charge_dis_1_5_
Nent = 2154
Mean = 211
RMS = 20.15

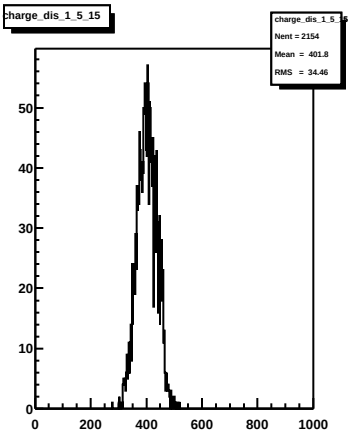

charge_dis_1_5_10
charge_dis_1_5_
Nent = 2154
Mean = 309.3
RMS = 32.86

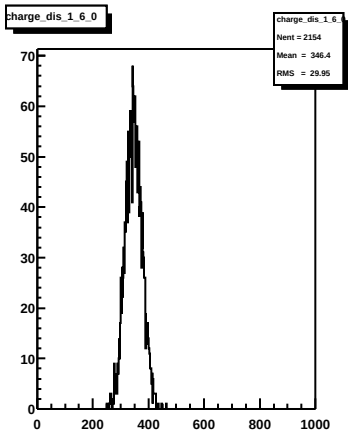

charge_dis_1_5_11
charge_dis_1_5_
Nent = 2154
Mean = 252.1
RMS = 18.65

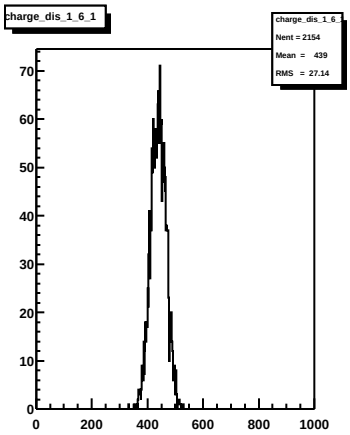

charge_dis_1_5_12
charge_dis_1_5_
Nent = 2154
Mean = 197.4
RMS = 19.18

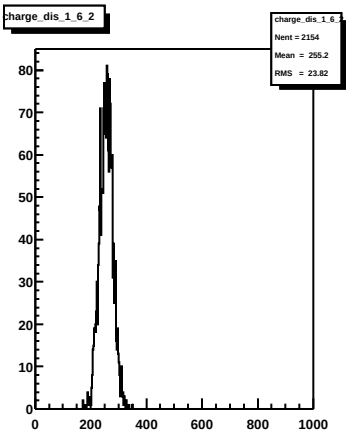

charge_dis_1_5_13
charge_dis_1_5_
Nent = 2154
Mean = 308.5
RMS = 26.67

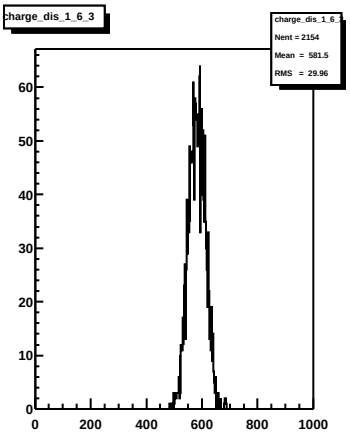

charge_dis_1_5_14
charge_dis_1_5_
Nent = 2154
Mean = 182.9
RMS = 18.56

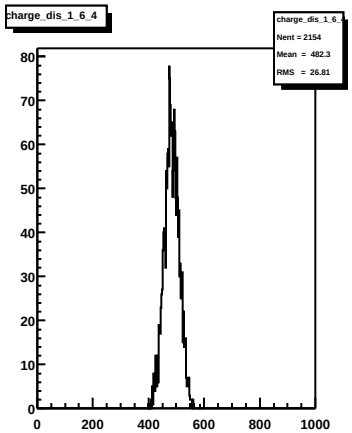

charge_dis_1_5_15
charge_dis_1_5_
Nent = 2154
Mean = 401.8
RMS = 34.46


charge_dis_1_6_0
charge_dis_1_6_
Nent = 2154
Mean = 346.4
RMS = 29.95


charge_dis_1_6_1
charge_dis_1_6_
Nent = 2154
Mean = 439
RMS = 27.14


charge_dis_1_6_2
charge_dis_1_6_
Nent = 2154
Mean = 255.2
RMS = 23.82


charge_dis_1_6_3
charge_dis_1_6_
Nent = 2154
Mean = 581.5
RMS = 29.96


charge_dis_1_6_4
charge_dis_1_6_
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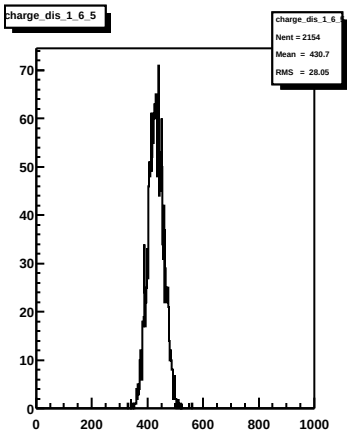
Mean = 482.3
RMS = 26.81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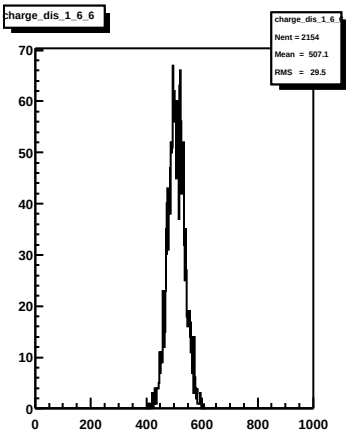
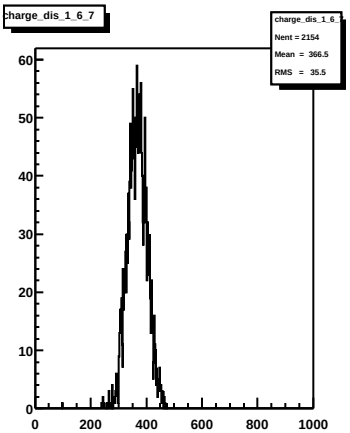
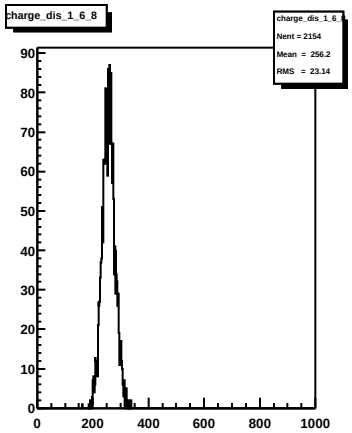
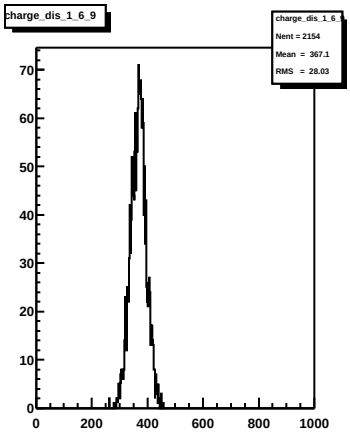
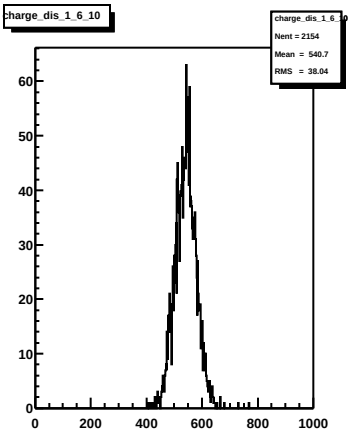
charge_dis_1_6_
Nent = 2154
Mean = 430.7
RMS = 28.05

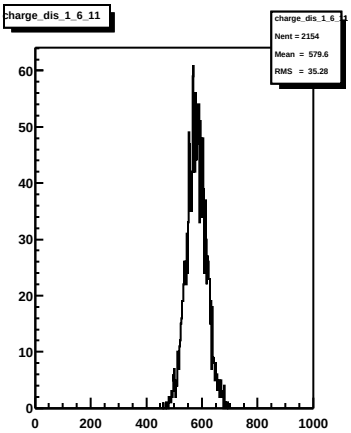

charge_dis_1_6_6
charge_dis_1_6_
Nent = 2154
Mean = 507.1
RMS = 29.5

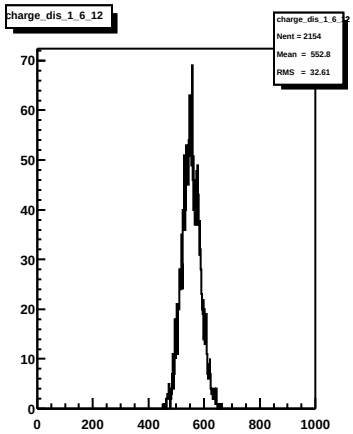

charge_dis_1_6_7
charge_dis_1_6_
Nent = 2154
Mean = 366.5
RMS = 35.5

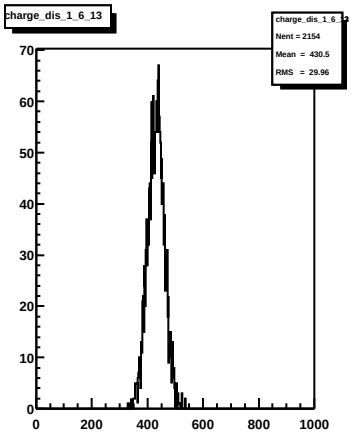

charge_dis_1_6_8
charge_dis_1_6_
Nent = 2154
Mean = 256.2
RMS = 23.14

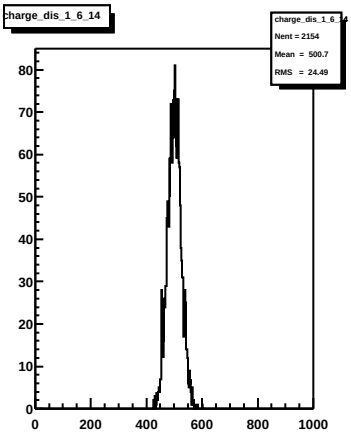

charge_dis_1_6_9
charge_dis_1_6_
Nent = 2154
Mean = 367.1
RMS = 28.03


charge_dis_1_6_10
Nent = 2154
Mean = 540.7
RMS = 38.04


charge_dis_1_6_11
charge_dis_1_6_
Nent = 2154
Mean = 579.6
RMS = 35.28


charge_dis_1_6_12
Nent = 2154
Mean = 552.8
RMS = 32.61


charge_dis_1_6_13
Nent = 2154
Mean = 430.5
RMS = 29.96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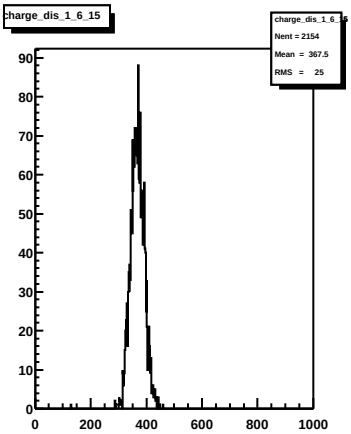
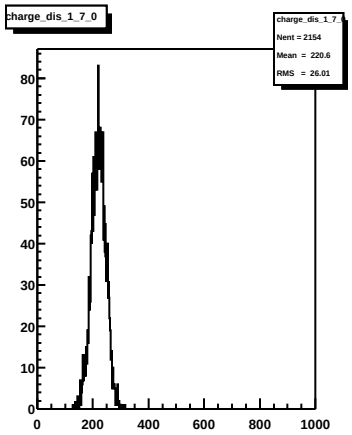
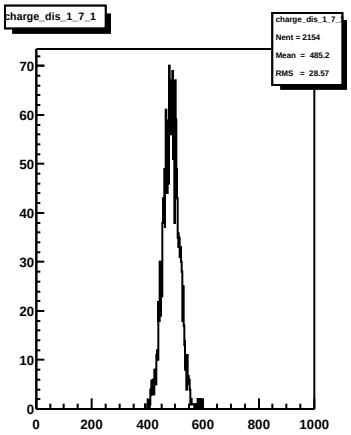
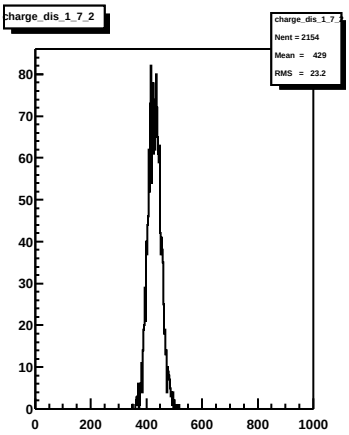
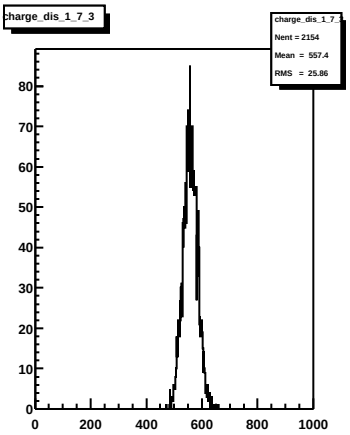
Nent = 2154
Mean = 500.7
RMS = 24.49

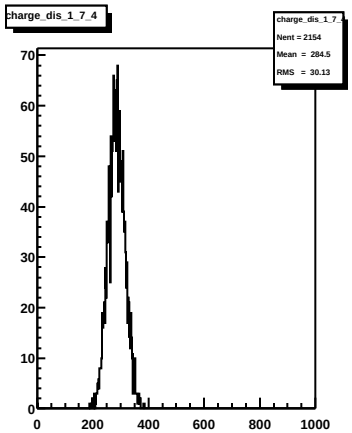

charge_dis_1_6_15
Nent = 2154
Mean = 367.5
RMS = 25

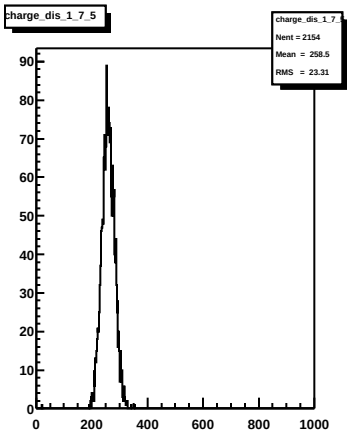

charge_dis_1_7_0
charge_dis_1_7_
Nent = 2154
Mean = 220.6
RMS = 26.01

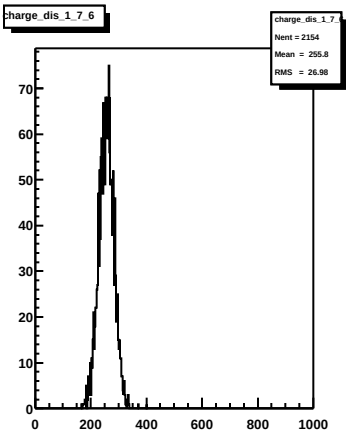

charge_dis_1_7_1
charge_dis_1_7_
Nent = 2154
Mean = 485.2
RMS = 28.57

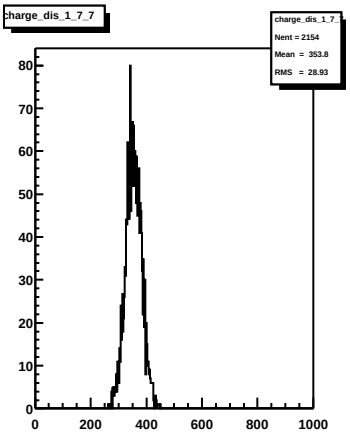

charge_dis_1_7_2
charge_dis_1_7_
Nent = 2154
Mean = 429
RMS = 23.2

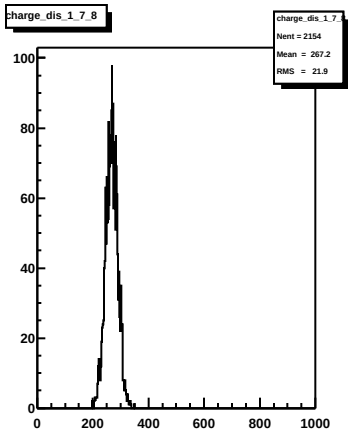

charge_dis_1_7_3
charge_dis_1_7_
Nent = 2154
Mean = 557.4
RMS = 25.86

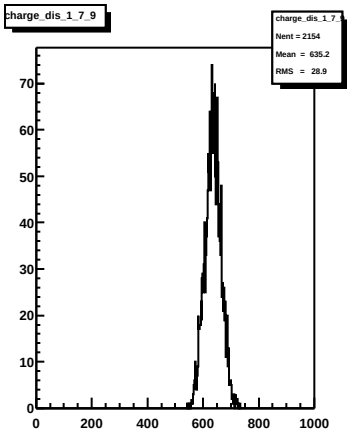

charge_dis_1_7_4
charge_dis_1_7_
Nent = 2154
Mean = 284.5
RMS = 30.13

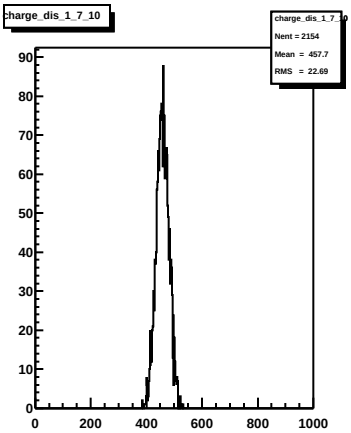

charge_dis_1_7_5
charge_dis_1_7_
Nent = 2154
Mean = 258.5
RMS = 23.31

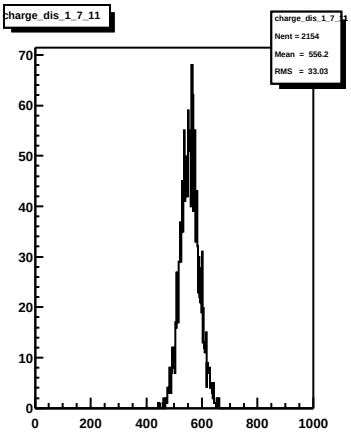

charge_dis_1_7_6
charge_dis_1_7_
Nent = 2154
Mean = 255.8
RMS = 26.98

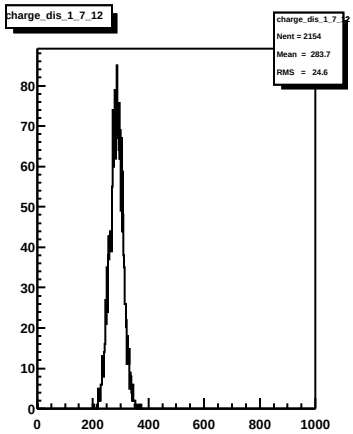

charge_dis_1_7_7
charge_dis_1_7_
Nent = 2154
Mean = 353.8
RMS = 28.93

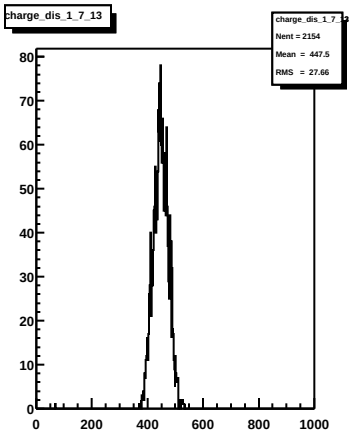

charge_dis_1_7_8
charge_dis_1_7_
Nent = 2154
Mean = 267.2
RMS = 21.9

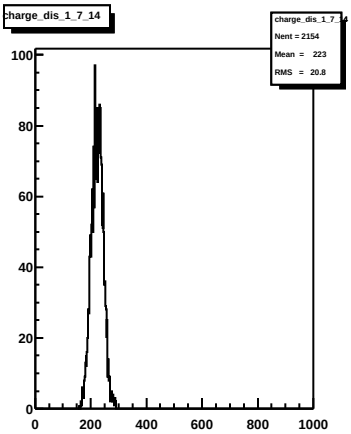

charge_dis_1_7_9
charge_dis_1_7_
Nent = 2154
Mean = 635.2
RMS = 28.9

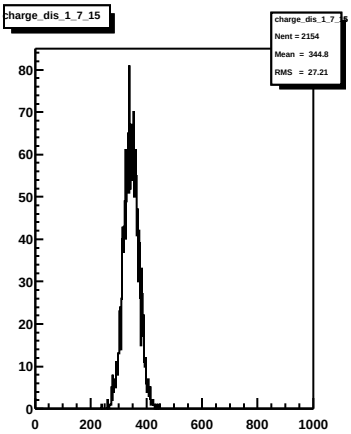

charge_dis_1_7_10
Nent = 2154
Mean = 457.7
RMS = 22.69


charge_dis_1_7_11
Nent = 2154
Mean = 556.2
RMS = 33.03


charge_dis_1_7_12
Nent = 2154
Mean = 283.7
RMS = 24.6


charge_dis_1_7_13
Nent = 2154
Mean = 447.5
RMS = 27.66


charge_dis_1_7_14
Nent = 2154
Mean = 223
RMS = 20.8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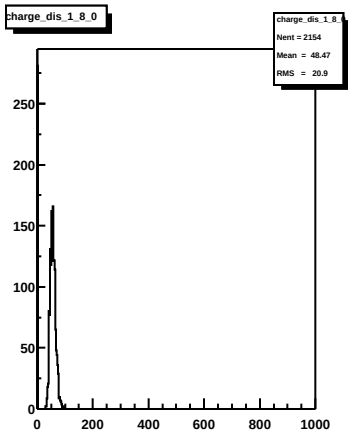
Nent = 2154
Mean = 344.8
RMS = 27.21


charge_dis_1_8_0
charge_dis_1_8_
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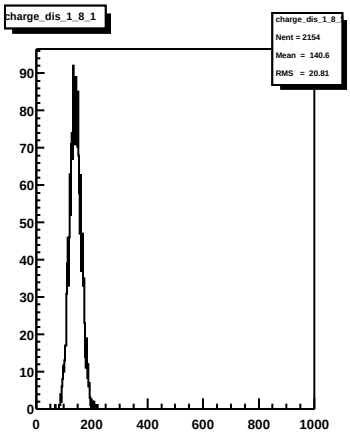
Mean = 48.47
RMS = 20.9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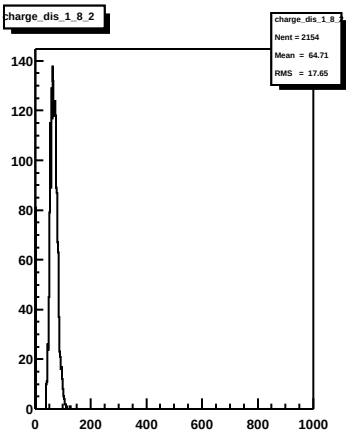
charge_dis_1_8_
Nent = 2154
Mean = 140.6
RMS = 20.81


charge_dis_1_8_2
charge_dis_1_8_
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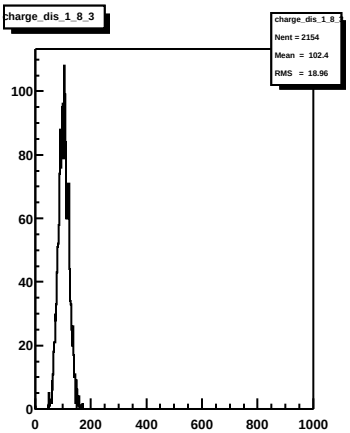
Mean = 64.71
RMS = 17.65


charge_dis_1_8_3
charge_dis_1_8_
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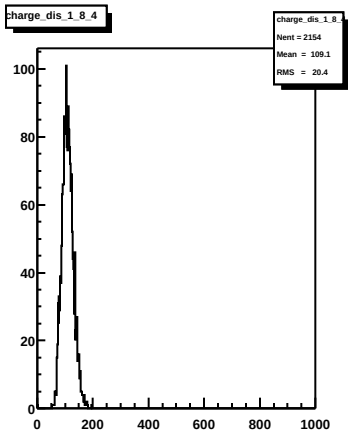
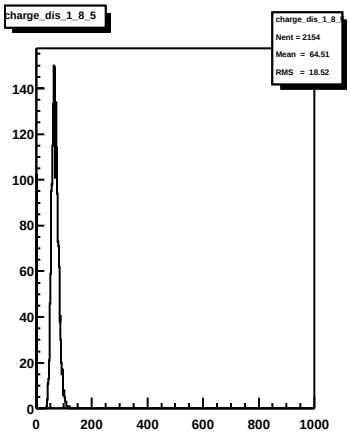
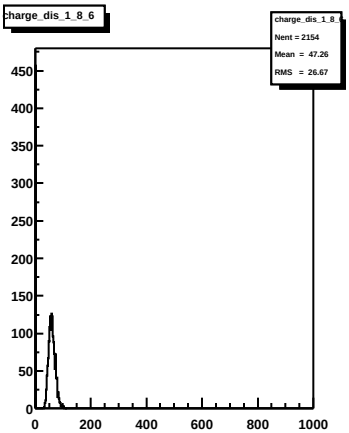
Mean = 102.4
RMS = 18.96


charge_dis_1_8_4
charge_dis_1_8_
Nent = 2154
Mean = 109.1
RMS = 20.4


charge_dis_1_8_5
charge_dis_1_8_
Nent = 2154
Mean = 64.51
RMS = 18.52


charge_dis_1_8_6
charge_dis_1_8_
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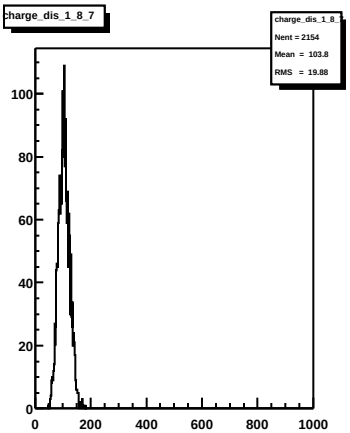
Mean = 47.26
RMS = 26.67


charge_dis_1_8_7
charge_dis_1_8_
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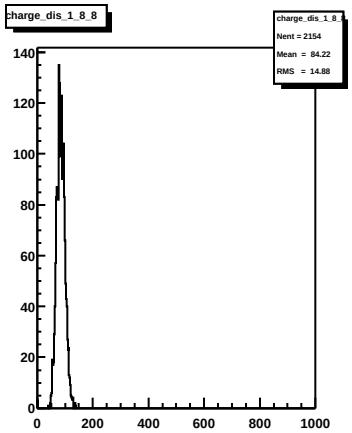
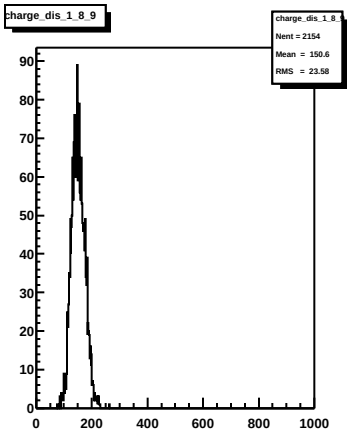
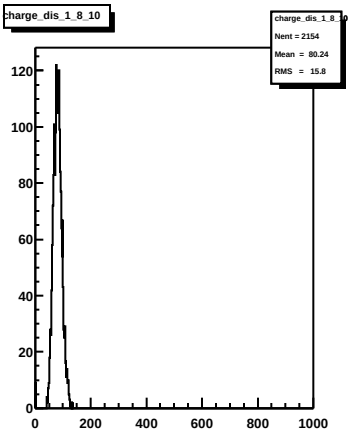
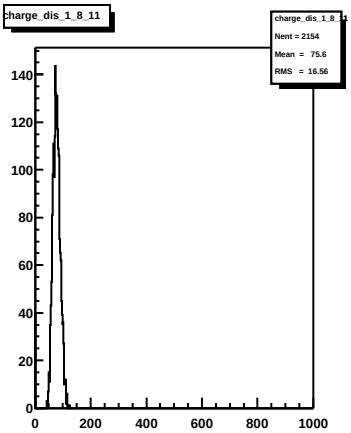
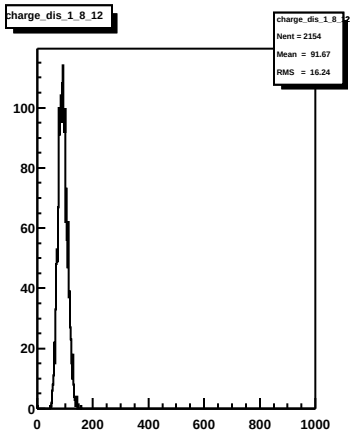
Mean = 103.8
RMS = 19.88

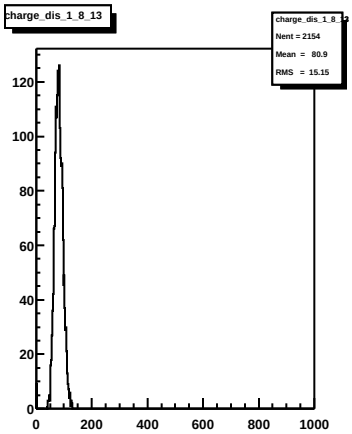

charge_dis_1_8_8
charge_dis_1_8_
Nent = 2154
Mean = 84.22
RMS = 14.88

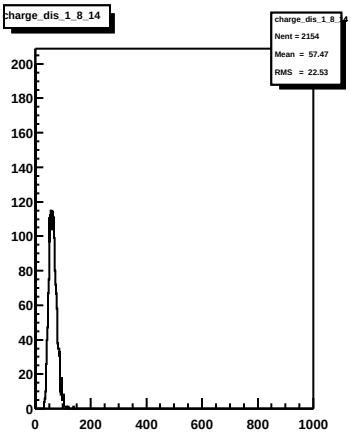

charge_dis_1_8_9
charge_dis_1_8_
Nent = 2154
Mean = 150.6
RMS = 23.58

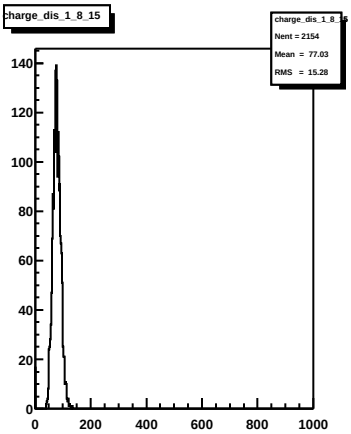

charge_dis_1_8_10
Nent = 2154
Mean = 80.24
RMS = 15.8

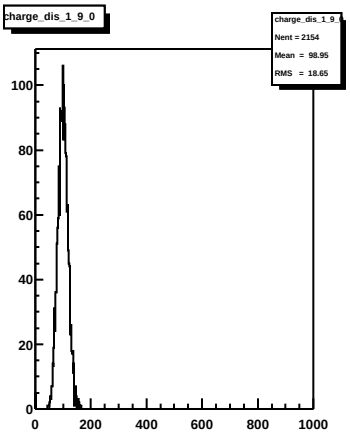

charge_dis_1_8_11
Nent = 2154
Mean = 75.6
RMS = 16.56


charge_dis_1_8_12
Nent = 2154
Mean = 91.67
RMS = 16.24


charge_dis_1_8_13
Nent = 2154
Mean = 80.9
RMS = 15.15


charge_dis_1_8_14
Nent = 2154
Mean = 57.47
RMS = 22.53


charge_dis_1_8_15
Nent = 2154
Mean = 77.03
RMS = 15.28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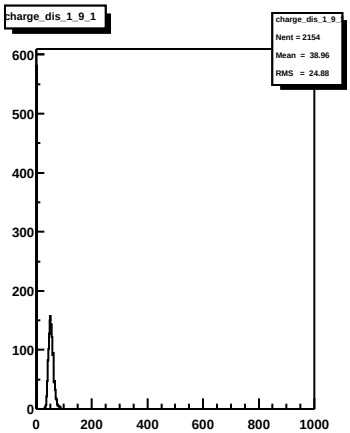
charge_dis_1_9_
Nent = 2154
Mean = 98.95
RMS = 18.65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charge_dis_1_9_
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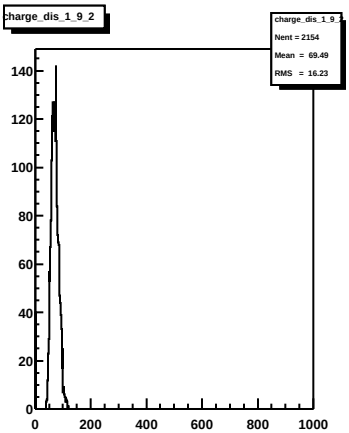
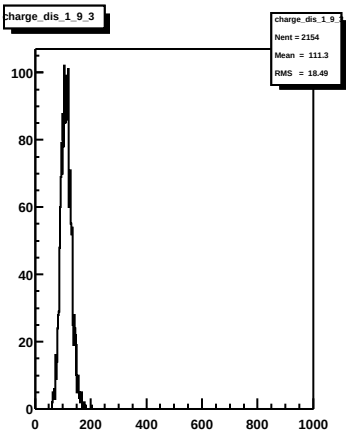
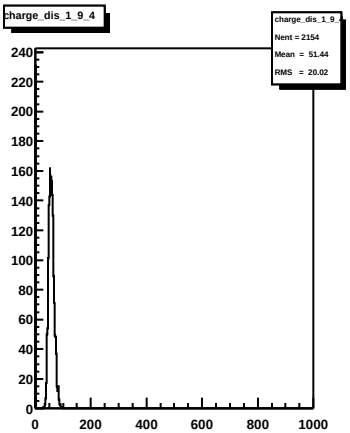
RMS = 24.88


charge_dis_1_9_2
charge_dis_1_9_
Nent = 2154
Mean = 69.49
RMS = 16.23


charge_dis_1_9_3
charge_dis_1_9_
Nent = 2154
Mean = 111.3
RMS = 18.49


charge_dis_1_9_4
charge_dis_1_9_
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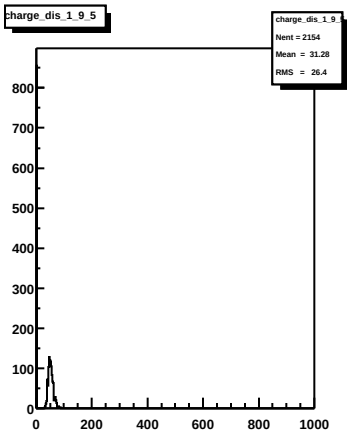
RMS = 20.02


charge_dis_1_9_5
charge_dis_1_9_
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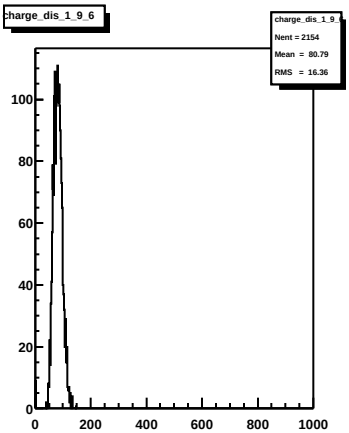
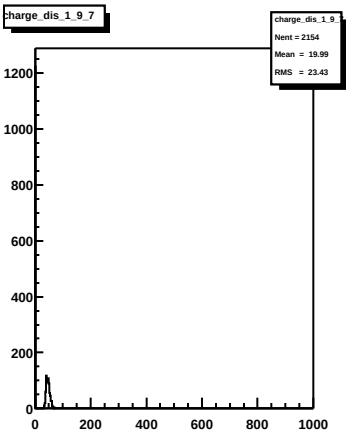
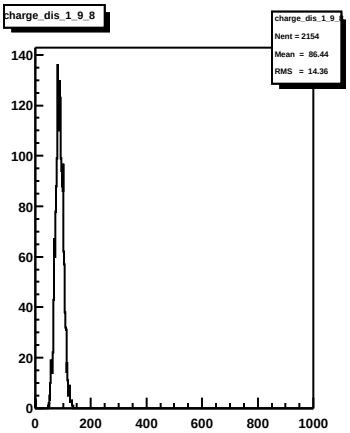
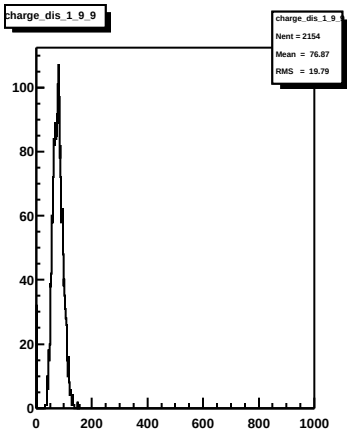
Mean = 31.28
RMS = 26.4


charge_dis_1_9_6
charge_dis_1_9_
Nent = 2154
Mean = 80.79
RMS = 16.36


charge_dis_1_9_7
charge_dis_1_9_
Nent = 2154
Mean = 19.99
RMS = 23.43


charge_dis_1_9_8
charge_dis_1_9_
Nent = 2154
Mean = 86.44
RMS = 14.36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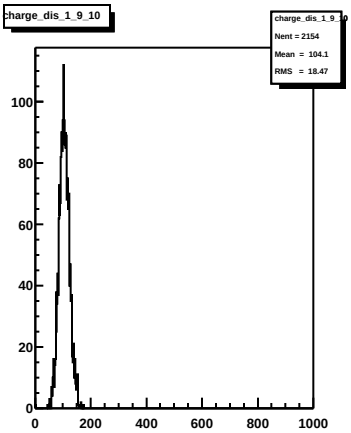
charge_dis_1_9_
Nent = 2154
Mean = 76.87
RMS = 19.79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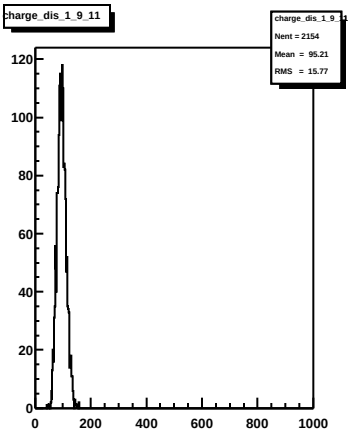
Nent = 2154
Mean = 104.1
RMS = 18.47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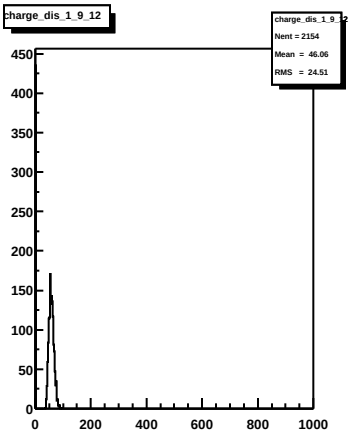
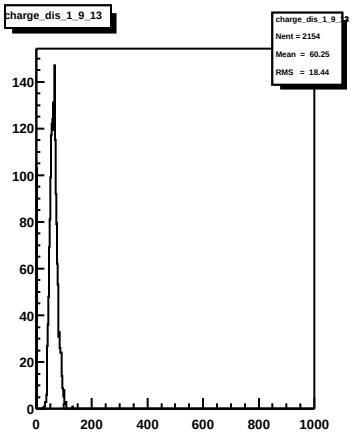
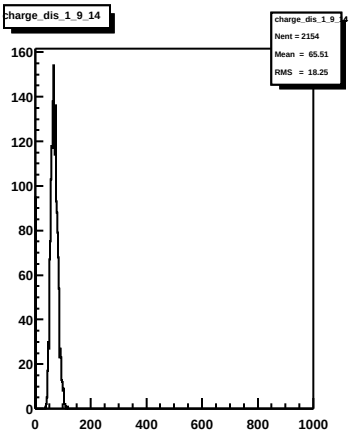
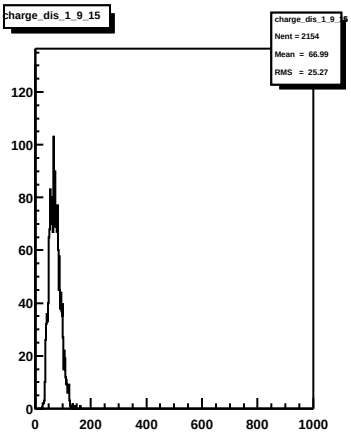
Nent = 2154
Mean = 95.21
RMS = 15.77


charge_dis_1_9_12
Nent = 2154
Mean = 46.06
RMS = 24.51


charge_dis_1_9_13
Nent = 2154
Mean = 60.25
RMS = 18.44


charge_dis_1_9_14
Nent = 2154
Mean = 65.51
RMS = 18.25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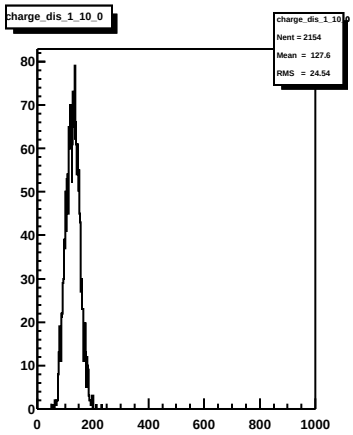
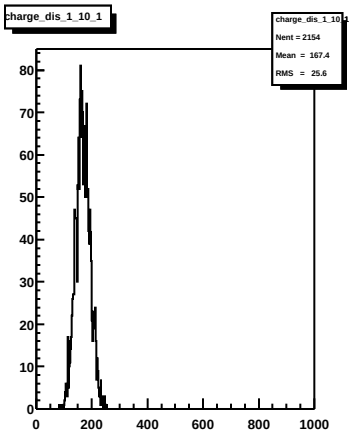
Nent = 2154
Mean = 66.99
RMS = 25.27


charge_dis_1_10_0
charge_dis_1_10_0
Nent = 2154
Mean = 127.6
RMS = 24.54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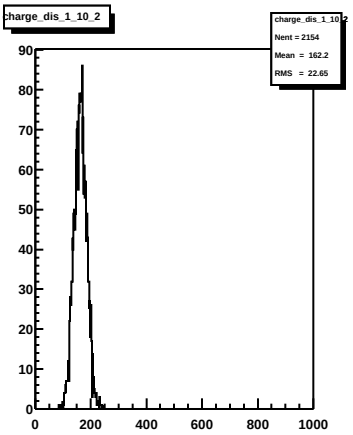
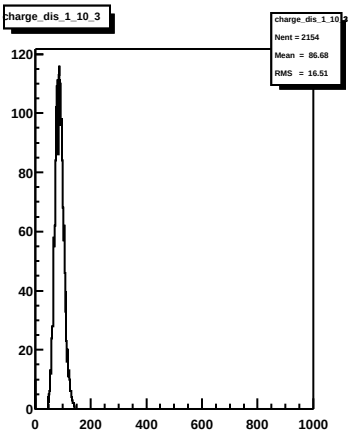
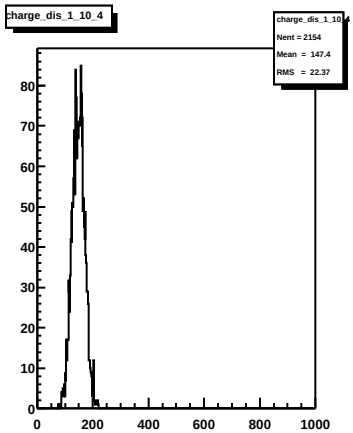
charge_dis_1_10_1
Nent = 2154
Mean = 167.4
RMS = 25.6


charge_dis_1_10_2
charge_dis_1_10_2
Nent = 2154
Mean = 162.2
RMS = 22.65


charge_dis_1_10_3
charge_dis_1_10_3
Nent = 2154
Mean = 86.68
RMS = 16.51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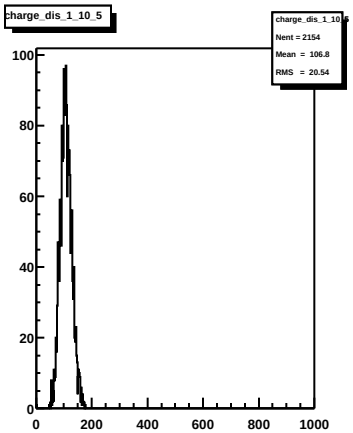
charge_dis_1_10_4
Nent = 2154
Mean = 147.4
RMS = 22.37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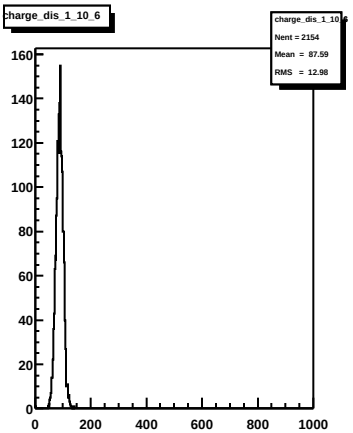
charge_dis_1_10_5
Nent = 2154
Mean = 106.8
RMS = 20.54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charge_dis_1_10_6
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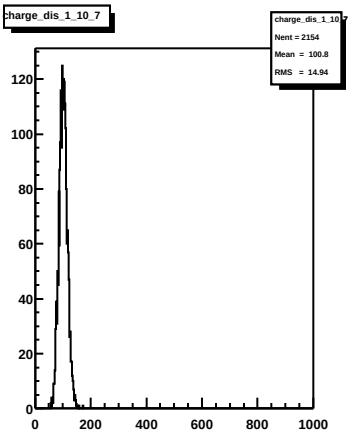
Mean = 87.59
RMS = 12.98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charge_dis_1_10_7
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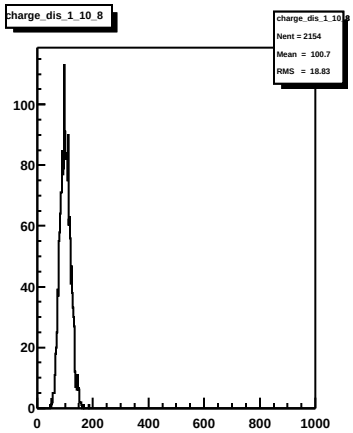
Mean = 100.8
RMS = 14.94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charge_dis_1_10_8
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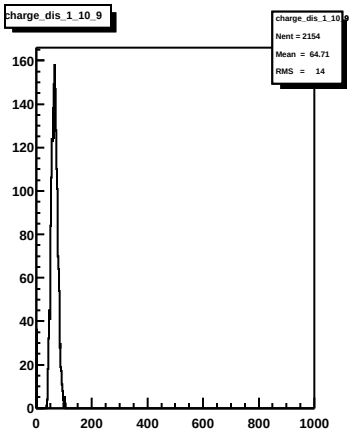
Mean = 100.7
RMS = 18.83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charge_dis_1_10_9
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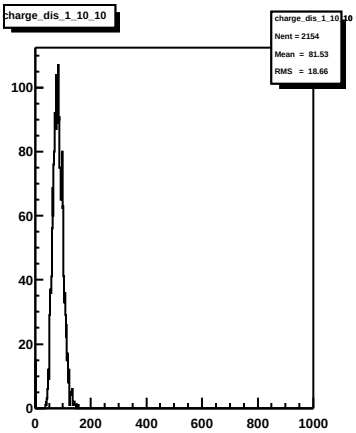
Mean = 64.71
RMS = 14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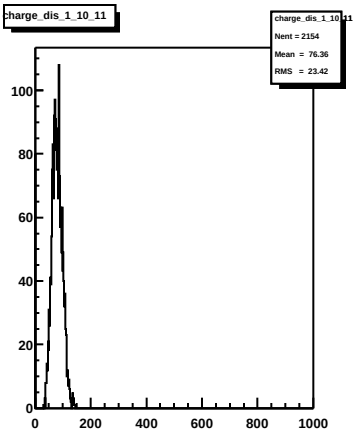
charge_dis_1_10_10
Nent = 2154
Mean = 81.53
RMS = 18.66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charge_dis_1_10_11
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Mean = 76.36
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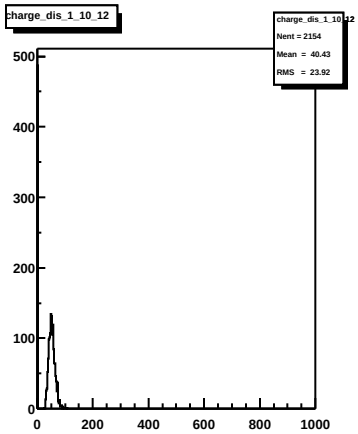
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charge_dis_1_10_12
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Mean = 40.43
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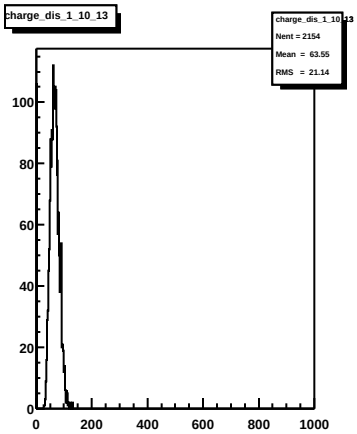
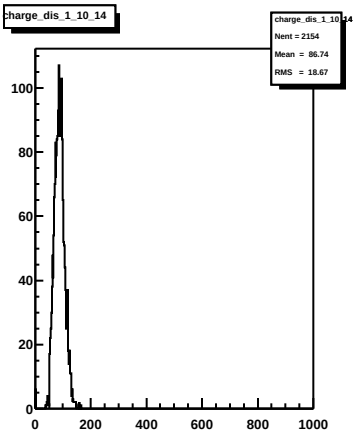

charge_dis_1_10_13
charge_dis_1_10_13
Nent = 2154
Mean = 63.55
RMS = 21.14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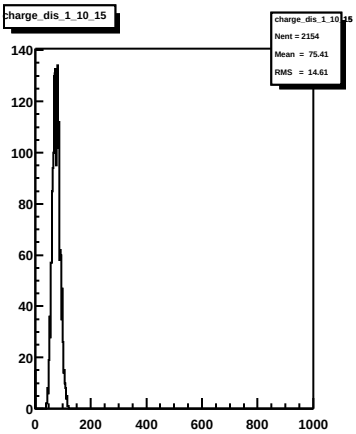
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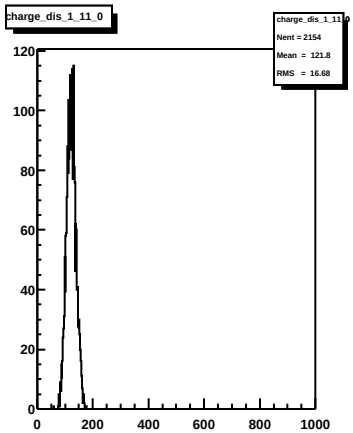
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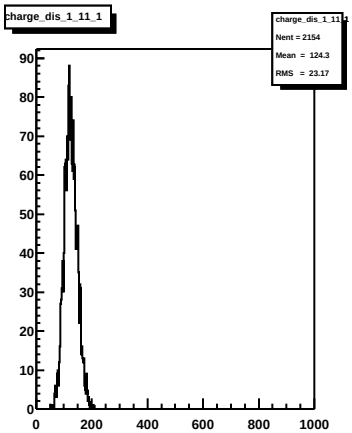
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charge_dis_1_11_1
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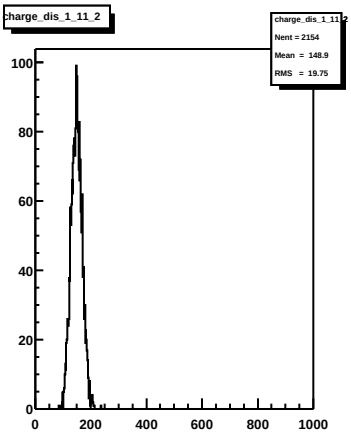
RMS = 23.17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charge_dis_1_11_2
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Mean = 148.9
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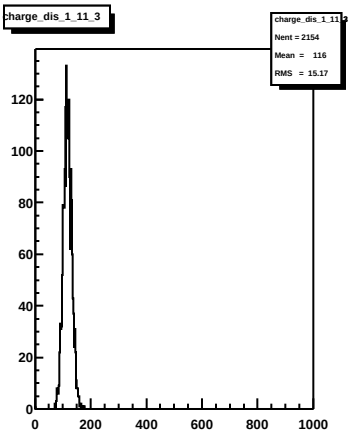
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charge_dis_1_11_3
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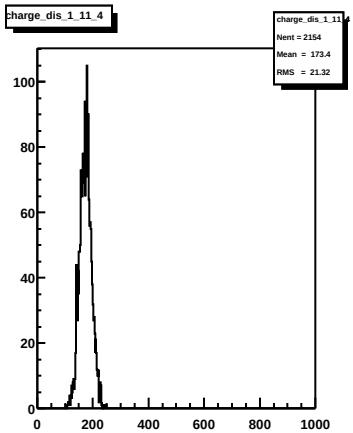
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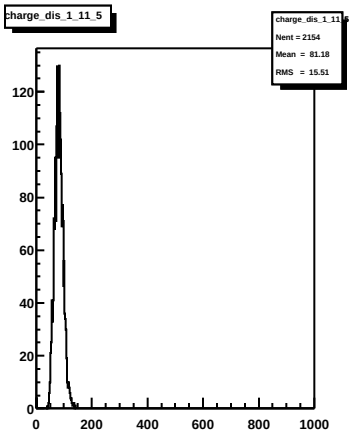
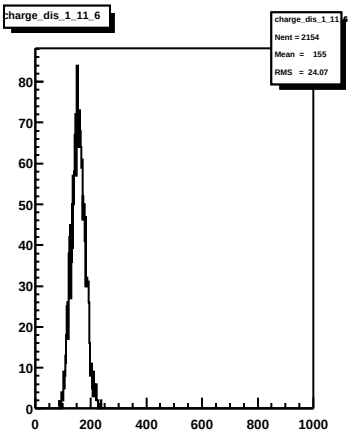
charge_dis_1_11_4
Nent = 2154
Mean = 173.4
RMS = 21.32


charge_dis_1_11_5
charge_dis_1_11_5
Nent = 2154
Mean = 81.18
RMS = 15.51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charge_dis_1_11_6
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Mean = 155
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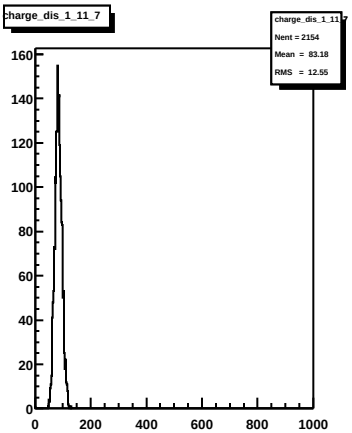
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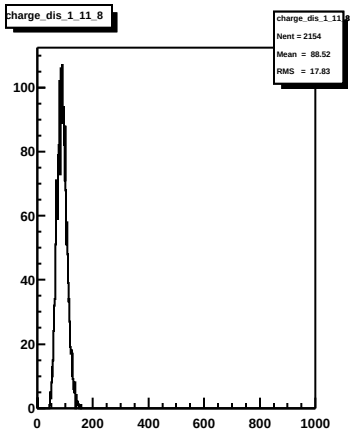
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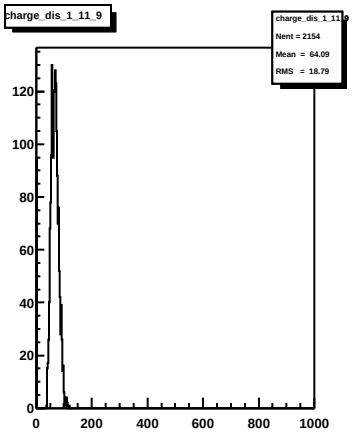
charge_dis_1_11_8
Nent = 2154
Mean = 88.52
RMS = 17.83


charge_dis_1_11_9
charge_dis_1_11_9
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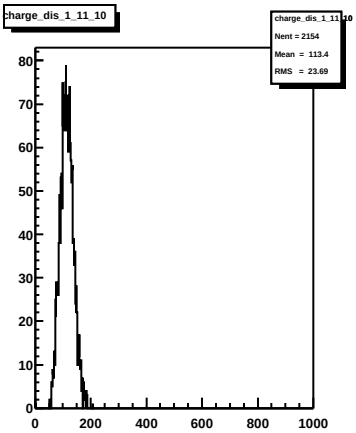
RMS = 18.79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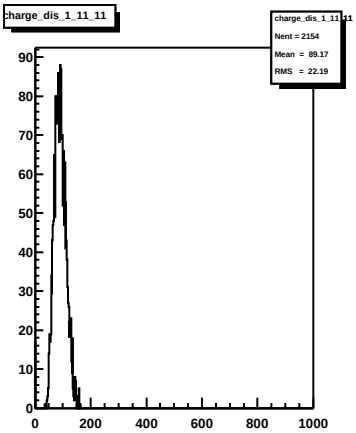
Mean = 113.4
RMS = 23.69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charge_dis_1_11_11
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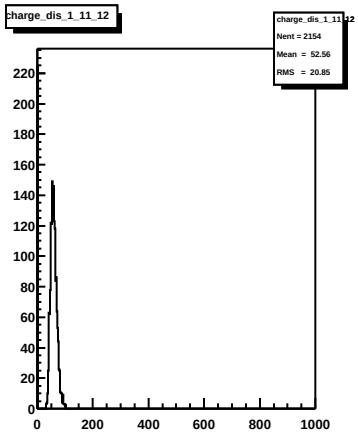
Mean = 89.17
RMS = 22.19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charge_dis_1_11_12
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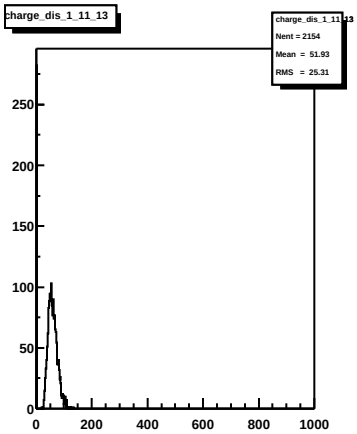
Mean = 52.56
RMS = 20.85


charge_dis_1_11_13
charge_dis_1_11_13
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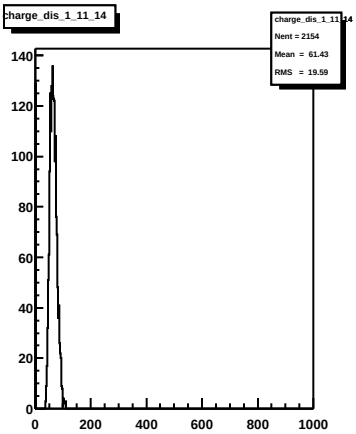
Mean = 51.93
RMS = 25.31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charge_dis_1_11_14
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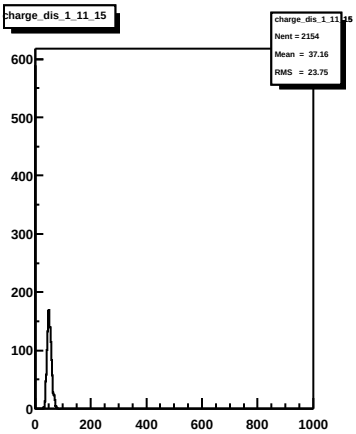
Mean = 61.43
RMS = 19.59


charge_dis_1_11_15
charge_dis_1_11_15
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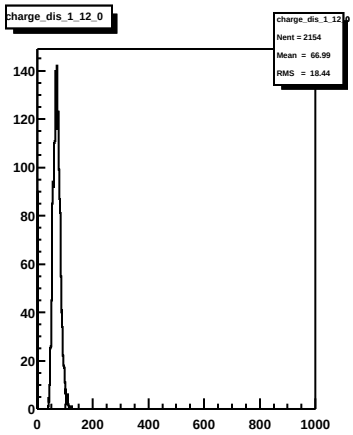
Mean = 37.16
RMS = 23.75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charge_dis_1_12_0
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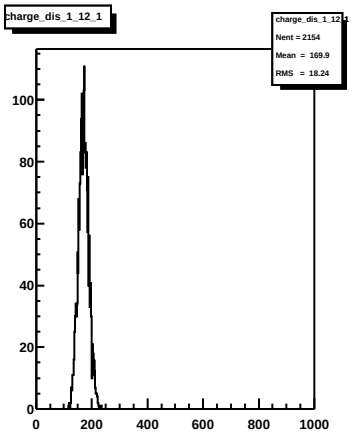
RMS = 18.44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charge_dis_1_12_1
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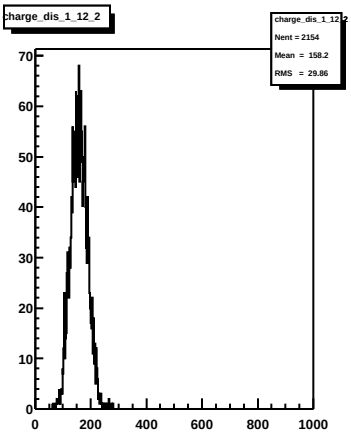
Mean = 169.9
RMS = 18.24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charge_dis_1_12_2
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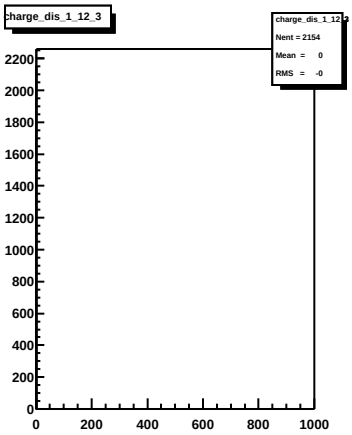
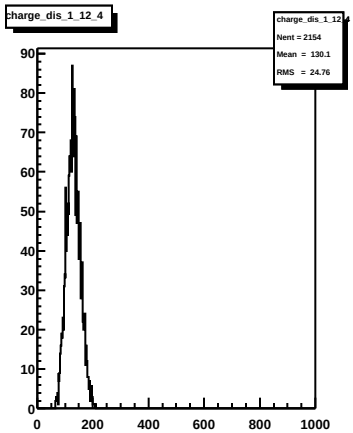
Mean = 158.2
RMS = 29.86


charge_dis_1_12_3
charge_dis_1_12_3
Nent = 2154
Mean = 0
RMS = -0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charge_dis_1_12_4
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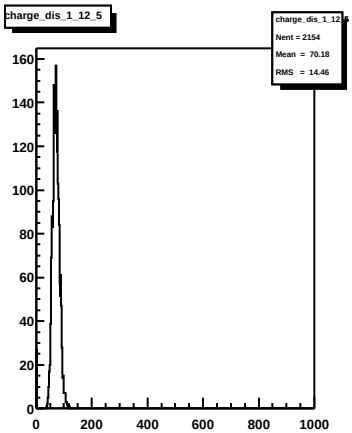
RMS = 24.76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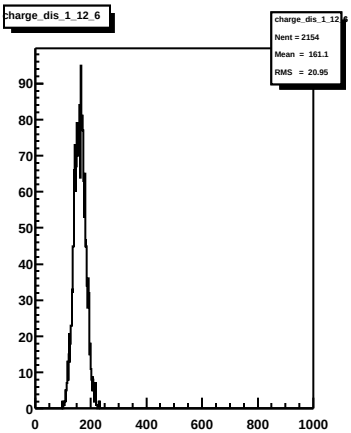
Mean = 70.18
RMS = 14.46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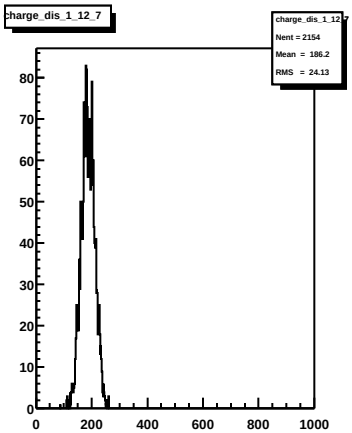
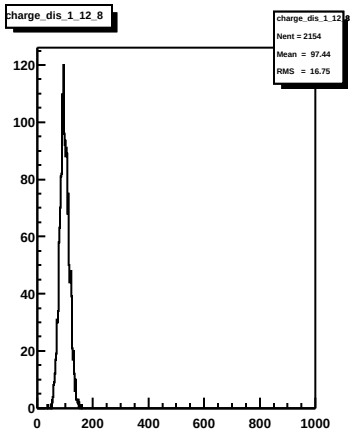
charge_dis_1_12_6
Nent = 2154
Mean = 161.1
RMS = 20.95


charge_dis_1_12_7
charge_dis_1_12_7
Nent = 2154
Mean = 186.2
RMS = 24.13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charge_dis_1_12_8
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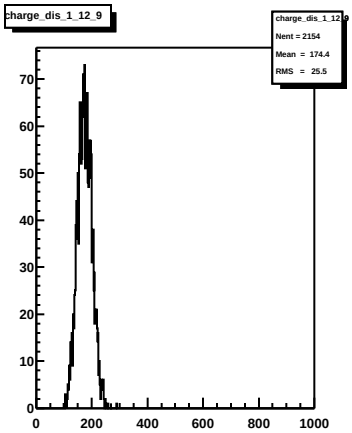
Mean = 97.44
RMS = 16.75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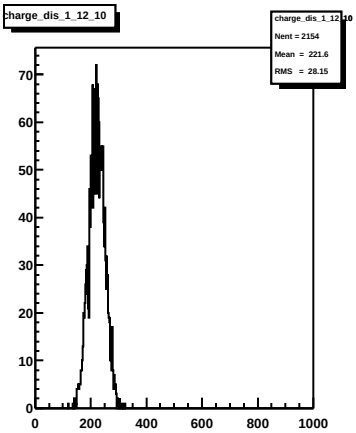
Mean = 174.4
RMS = 25.5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charge_dis_1_12_10
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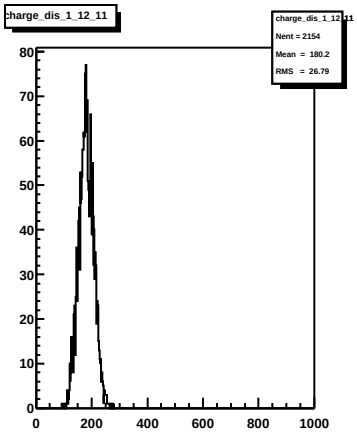
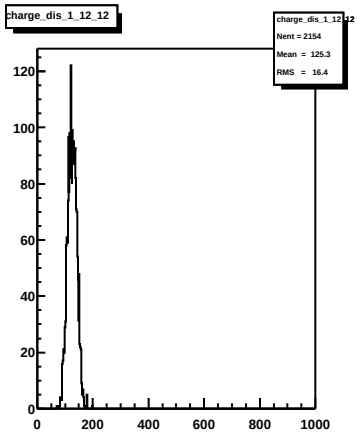
Mean = 221.6
RMS = 28.15


charge_dis_1_12_11
charge_dis_1_12_11
Nent = 2154
Mean = 180.2
RMS = 26.79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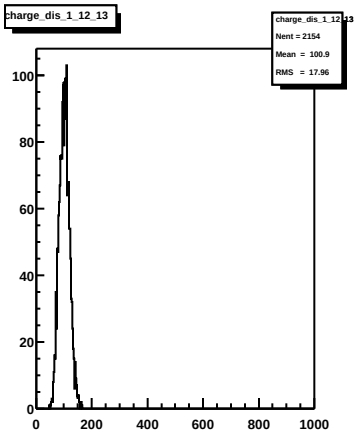
Nent = 2154
Mean = 125.3
RMS = 16.4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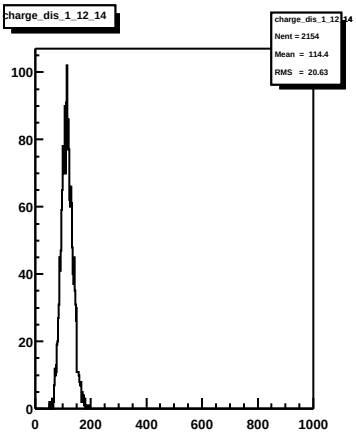
Nent = 2154
Mean = 100.9
RMS = 17.96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charge_dis_1_12_14
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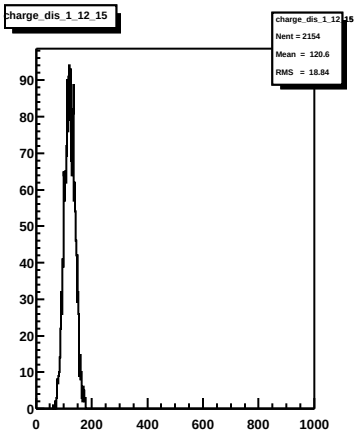
Mean = 114.4
RMS = 20.63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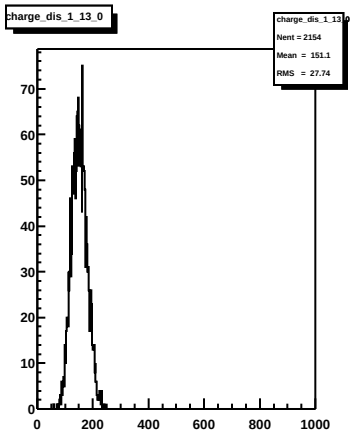
charge_dis_1_12_15
Nent = 2154
Mean = 120.6
RMS = 18.84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charge_dis_1_13_0
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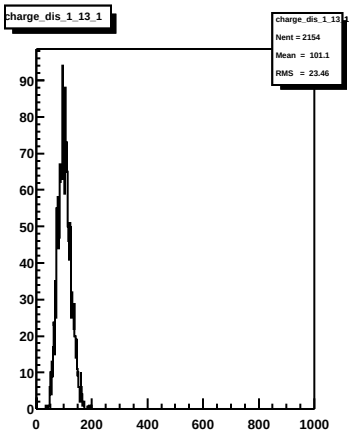
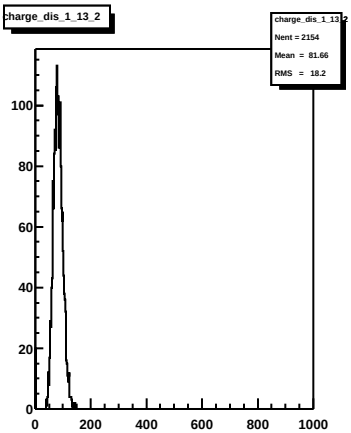
Mean = 151.1
RMS = 27.74


charge_dis_1_13_1
charge_dis_1_13_1
Nent = 2154
Mean = 101.1
RMS = 23.46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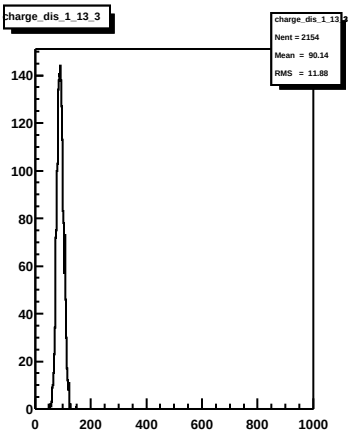
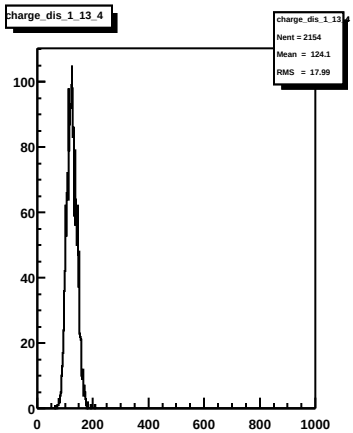
charge_dis_1_13_2
Nent = 2154
Mean = 81.66
RMS = 18.2


charge_dis_1_13_3
charge_dis_1_13_3
Nent = 2154
Mean = 90.14
RMS = 11.88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charge_dis_1_13_4
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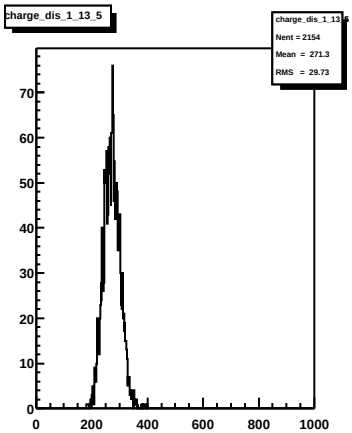
Mean = 124.1
RMS = 17.99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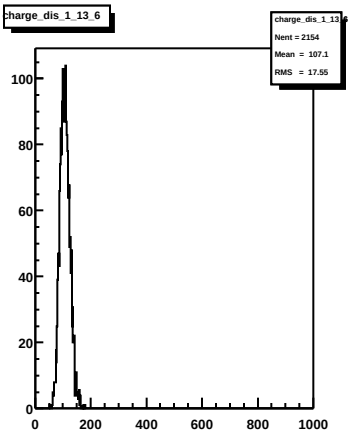
charge_dis_1_13_5
Nent = 2154
Mean = 271.3
RMS = 29.73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charge_dis_1_13_6
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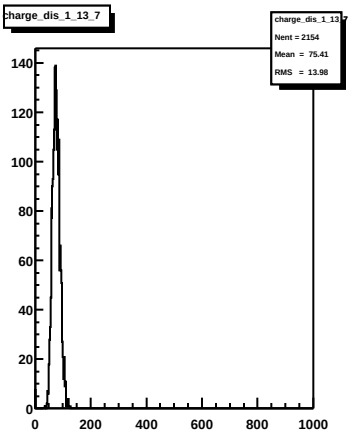
Mean = 107.1
RMS = 17.55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charge_dis_1_13_7
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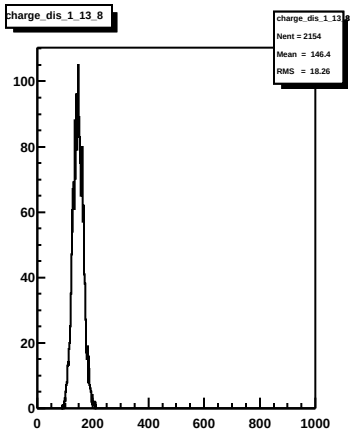
Mean = 75.41
RMS = 13.98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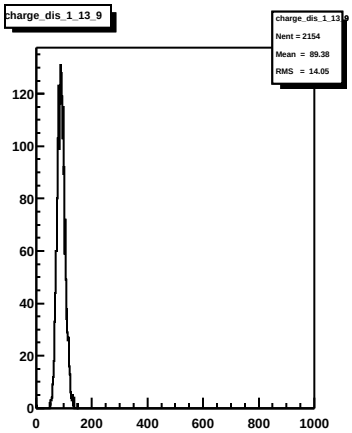
charge_dis_1_13_8
Nent = 2154
Mean = 146.4
RMS = 18.26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charge_dis_1_13_9
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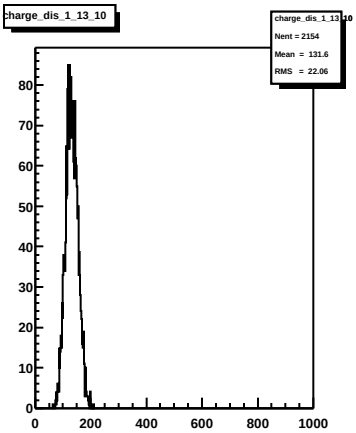
Mean = 89.38
RMS = 14.05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charge_dis_1_13_10
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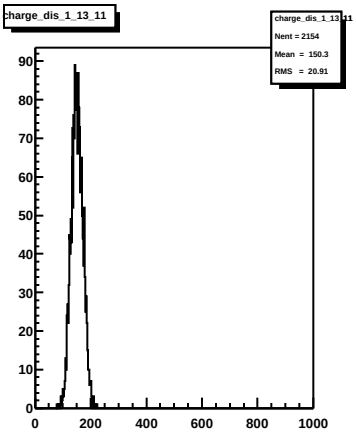
Mean = 131.6
RMS = 22.06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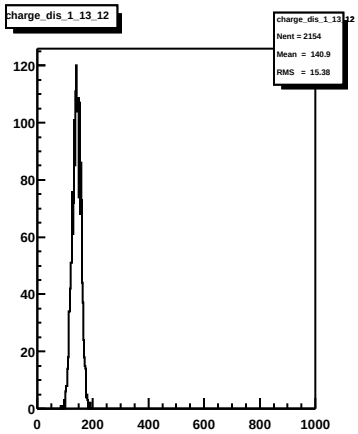
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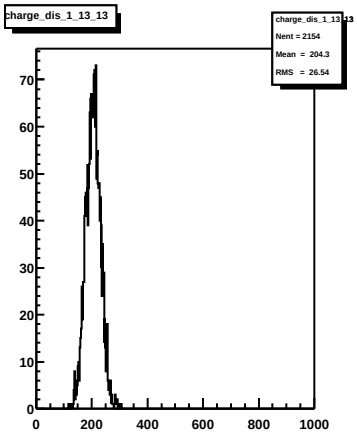
RMS = 15.38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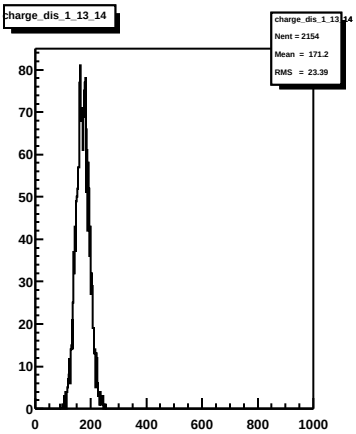
RMS = 26.54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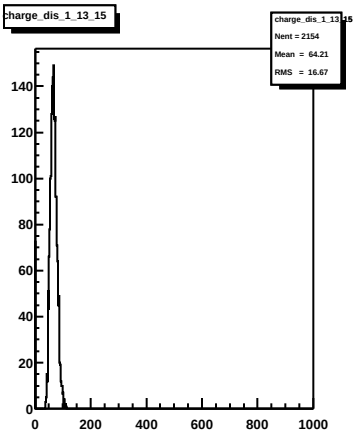
Mean = 171.2
RMS = 23.39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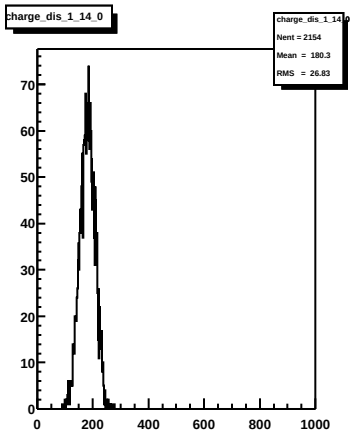
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charge_dis_1_14_0
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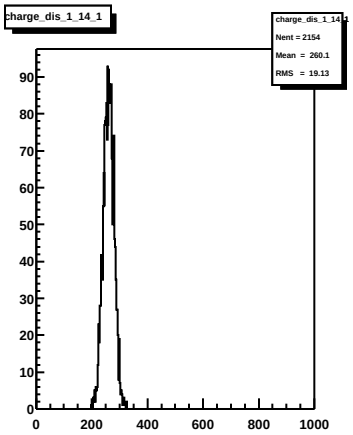
Mean = 180.3
RMS = 26.83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Mean = 260.1
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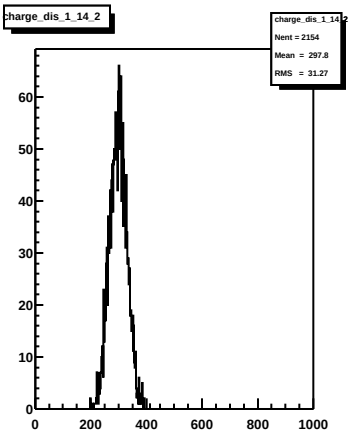
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charge_dis_1_14_2
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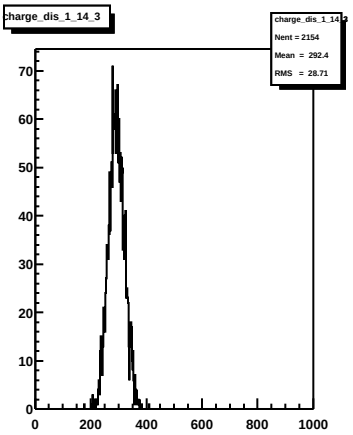
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charge_dis_1_14_3
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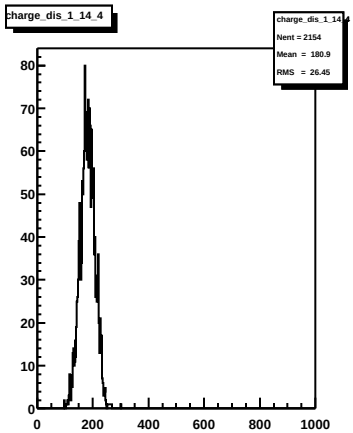
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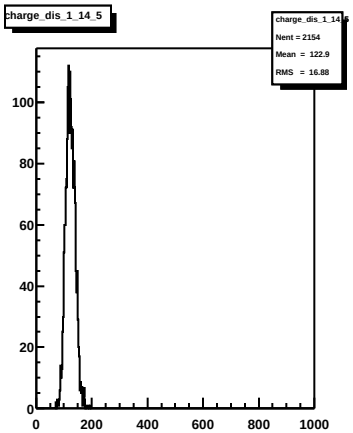
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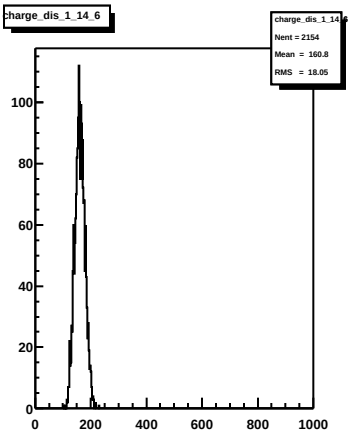
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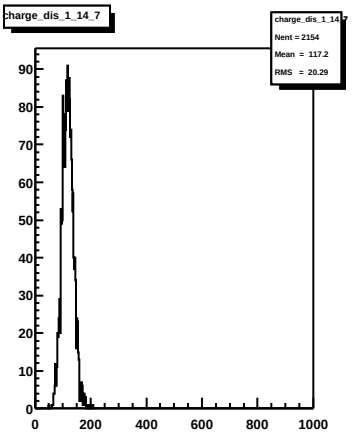
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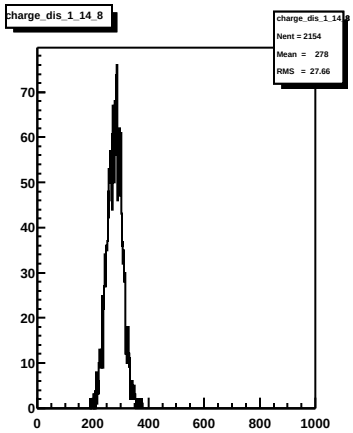
charge_dis_1_14_7
Nent = 2154
Mean = 117.2
RMS = 20.29


charge_dis_1_14_8
charge_dis_1_14_8
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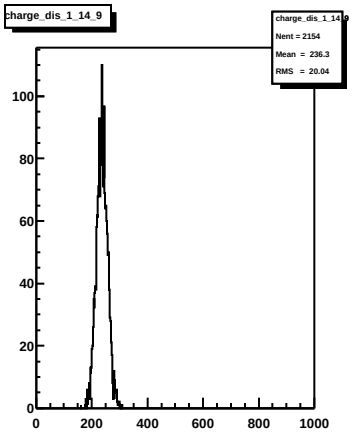
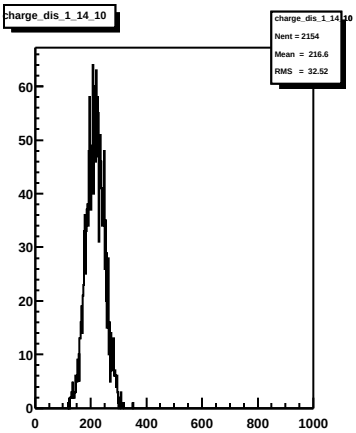
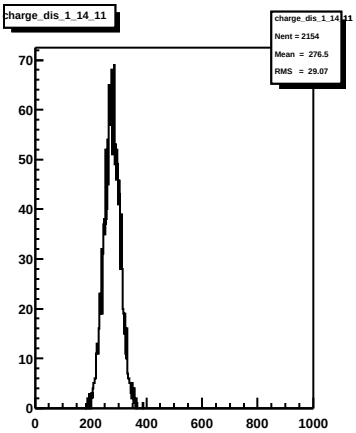
Mean = 278
RMS = 27.66


charge_dis_1_14_9
charge_dis_1_14_9
Nent = 2154
Mean = 236.3
RMS = 20.04


charge_dis_1_14_10
charge_dis_1_14_10
Nent = 2154
Mean = 216.6
RMS = 32.52


charge_dis_1_14_11
charge_dis_1_14_11
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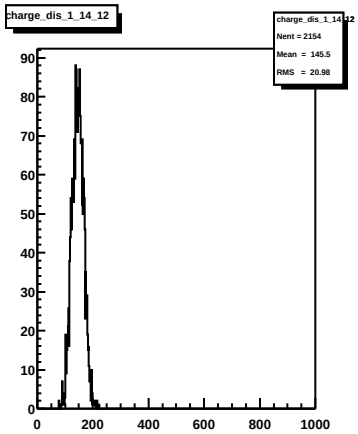
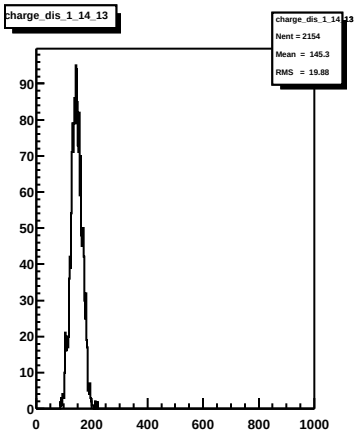
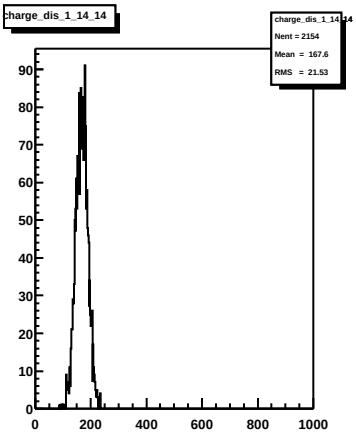
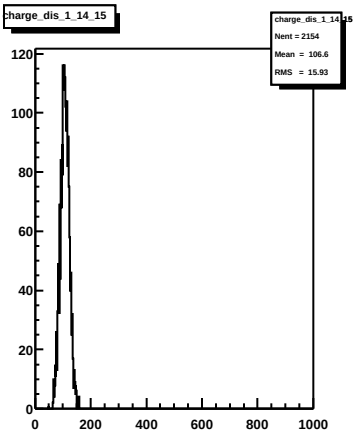
Mean = 276.5
RMS = 29.07


charge_dis_1_14_12
charge_dis_1_14_12
Nent = 2154
Mean = 145.5
RMS = 20.98


charge_dis_1_14_13
charge_dis_1_14_13
Nent = 2154
Mean = 145.3
RMS = 19.88


charge_dis_1_14_14
charge_dis_1_14_14
Nent = 2154
Mean = 167.6
RMS = 21.53


charge_dis_1_14_15
charge_dis_1_14_15
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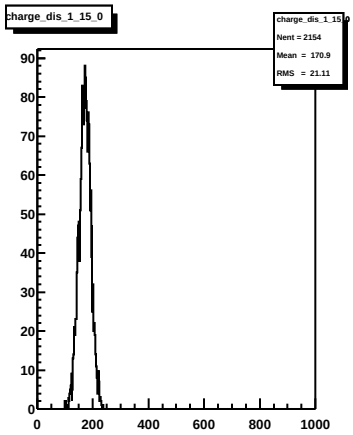
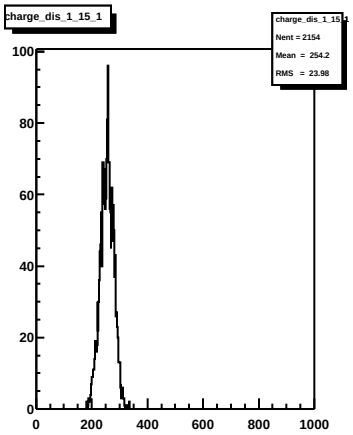
Mean = 106.6
RMS = 15.93


charge_dis_1_15_0
charge_dis_1_15_0
Nent = 2154
Mean = 170.9
RMS = 21.11


charge_dis_1_15_1
charge_dis_1_15_1
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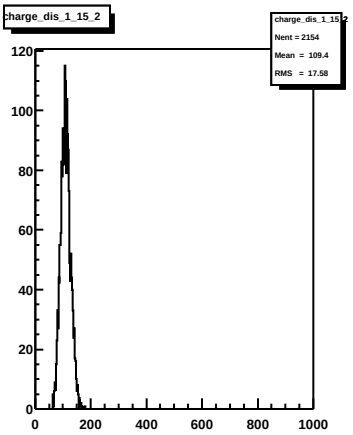
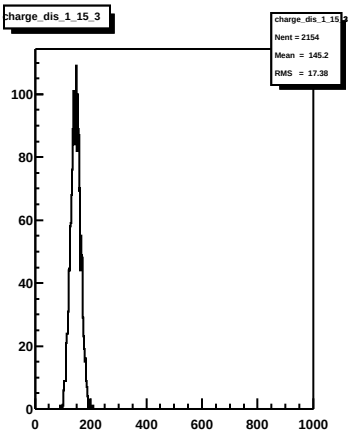
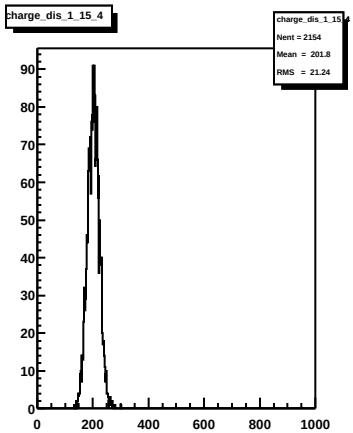
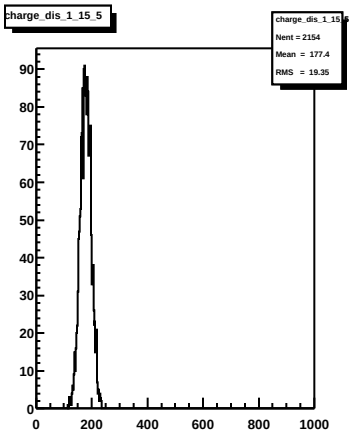
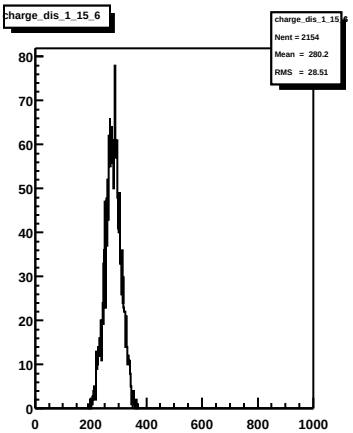
Mean = 254.2
RMS = 23.98

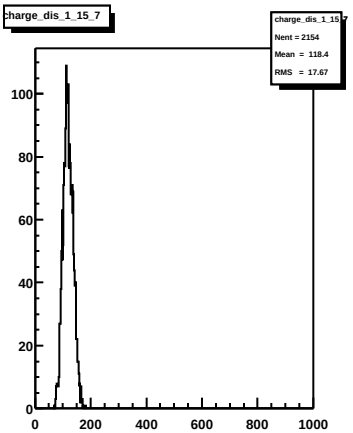

charge_dis_1_15_2
charge_dis_1_15_2
Nent = 2154
Mean = 109.4
RMS = 17.58

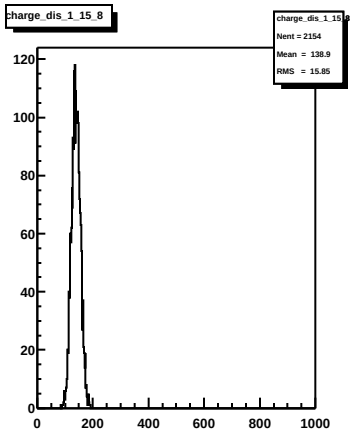

charge_dis_1_15_3
charge_dis_1_15_3
Nent = 2154
Mean = 145.2
RMS = 17.38


charge_dis_1_15_4
charge_dis_1_15_4
Nent = 2154
Mean = 201.8
RMS = 21.24


charge_dis_1_15_5
charge_dis_1_15_5
Nent = 2154
Mean = 177.4
RMS = 19.35


charge_dis_1_15_6
charge_dis_1_15_6
Nent = 2154
Mean = 280.2
RMS = 28.51


charge_dis_1_15_7
charge_dis_1_15_7
Nent = 2154
Mean = 118.4
RMS = 17.67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charge_dis_1_15_8
Nent = 2154
Mean = 138.9
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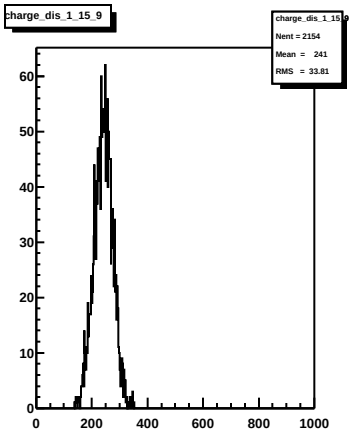
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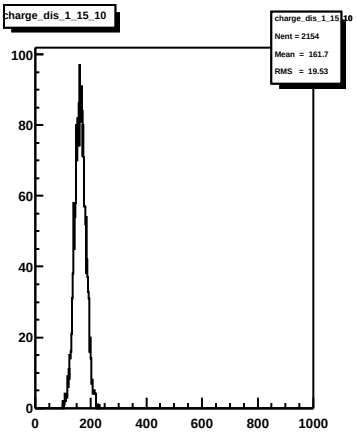
charge_dis_1_15_9
Nent = 2154
Mean = 241
RMS = 33.81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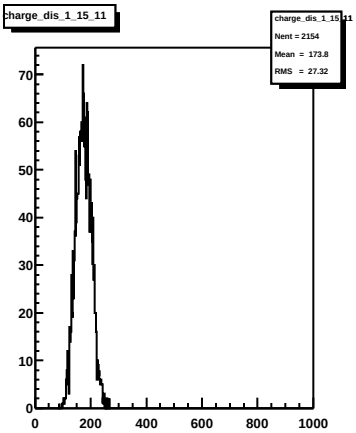
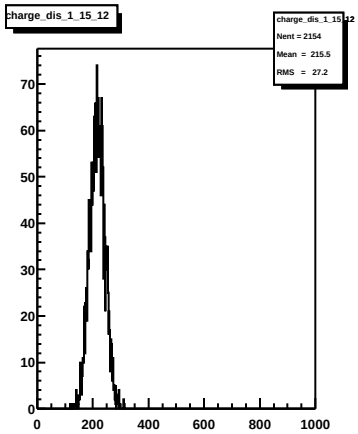
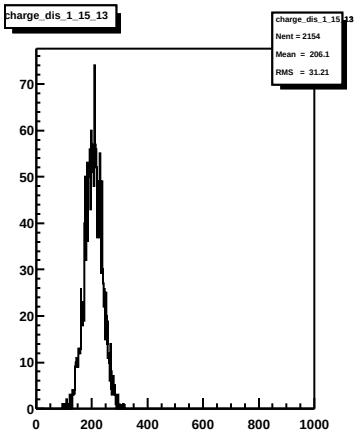
charge_dis_1_15_10
Nent = 2154
Mean = 161.7
RMS = 19.53


charge_dis_1_15_11
charge_dis_1_15_11
Nent = 2154
Mean = 173.8
RMS = 27.32


charge_dis_1_15_12
charge_dis_1_15_12
Nent = 2154
Mean = 215.5
RMS = 27.2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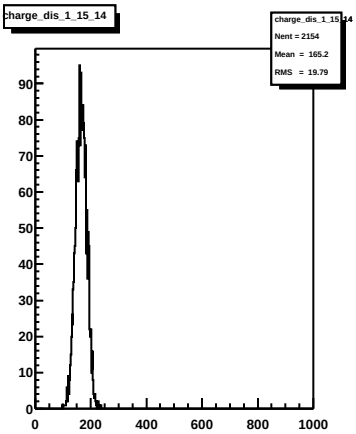
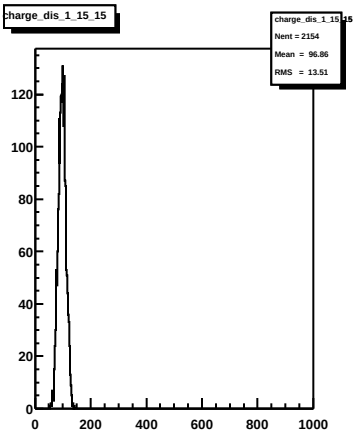
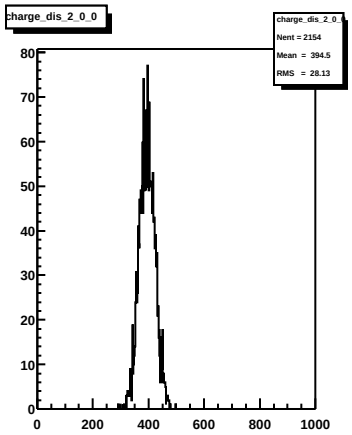
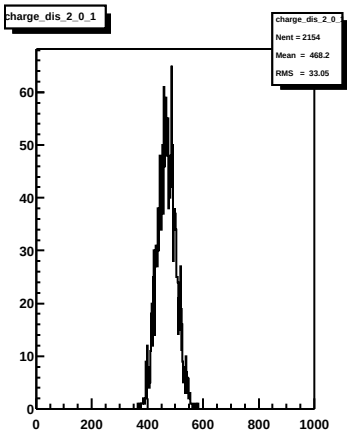
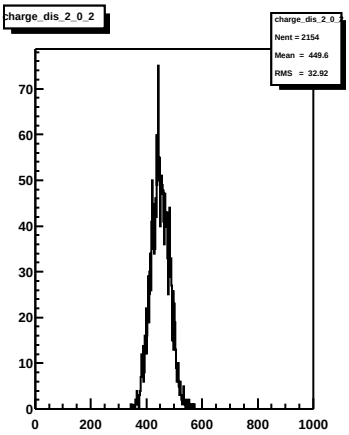
charge_dis_1_15_13
Nent = 2154
Mean = 206.1
RMS = 31.21

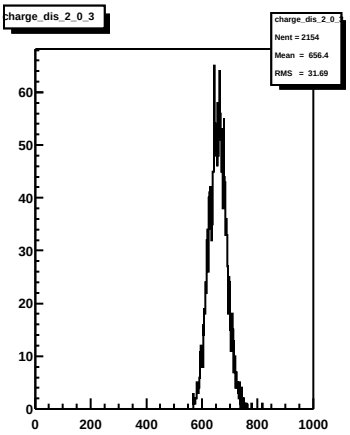

charge_dis_1_15_14
charge_dis_1_15_14
Nent = 2154
Mean = 165.2
RMS = 19.79

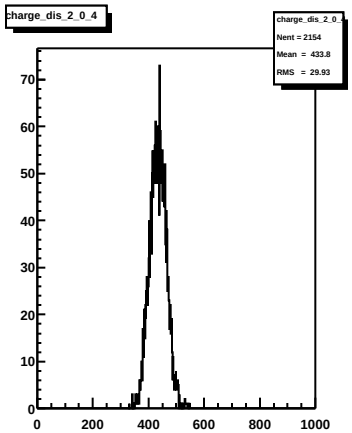

charge_dis_1_15_15
charge_dis_1_15_15
Nent = 2154
Mean = 96.86
RMS = 13.51

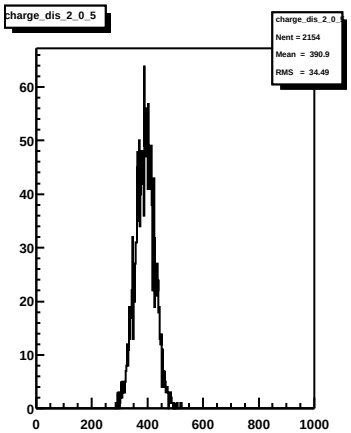

charge_dis_2_0_0
charge_dis_2_0_
Nent = 2154
Mean = 394.5
RMS = 28.13


charge_dis_2_0_1
charge_dis_2_0_
Nent = 2154
Mean = 468.2
RMS = 33.05


charge_dis_2_0_2
charge_dis_2_0_
Nent = 2154
Mean = 449.6
RMS = 32.92


charge_dis_2_0_3
charge_dis_2_0_
Nent = 2154
Mean = 656.4
RMS = 31.69


charge_dis_2_0_4
charge_dis_2_0_
Nent = 2154
Mean = 433.8
RMS = 29.93


charge_dis_2_0_5
charge_dis_2_0_
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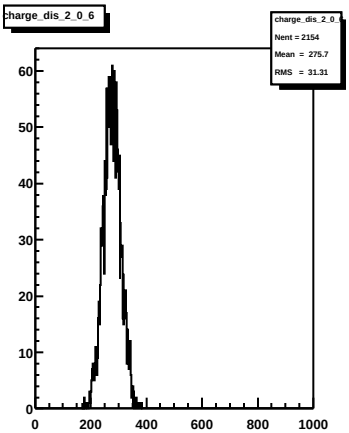
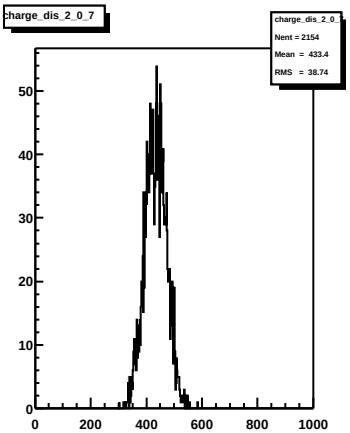
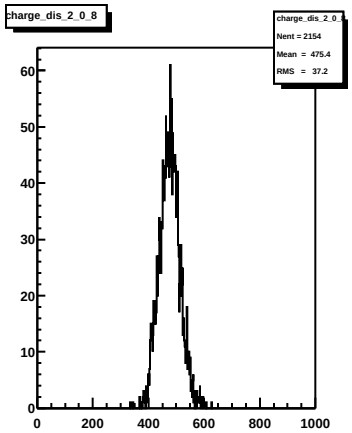
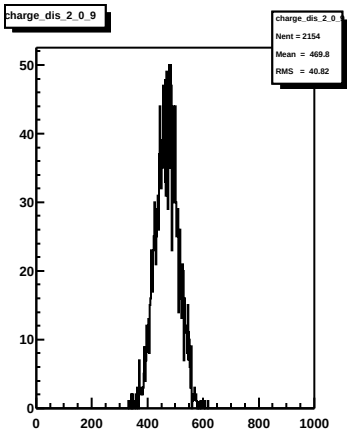
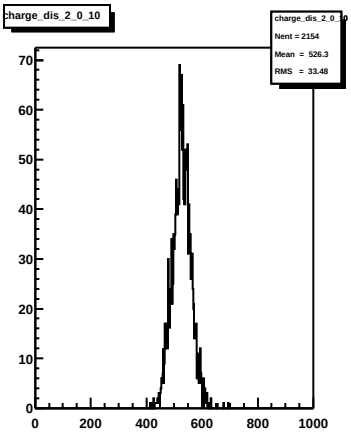
Mean = 390.9
RMS = 34.49


charge_dis_2_0_6
charge_dis_2_0_
Nent = 2154
Mean = 275.7
RMS = 31.31


charge_dis_2_0_7
charge_dis_2_0_
Nent = 2154
Mean = 433.4
RMS = 38.74


charge_dis_2_0_8
charge_dis_2_0_
Nent = 2154
Mean = 475.4
RMS = 37.2


charge_dis_2_0_9
charge_dis_2_0_
Nent = 2154
Mean = 469.8
RMS = 40.82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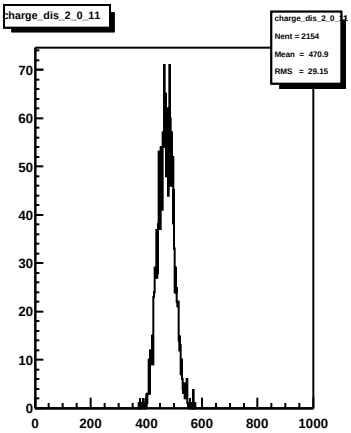
Nent = 2154
Mean = 526.3
RMS = 33.48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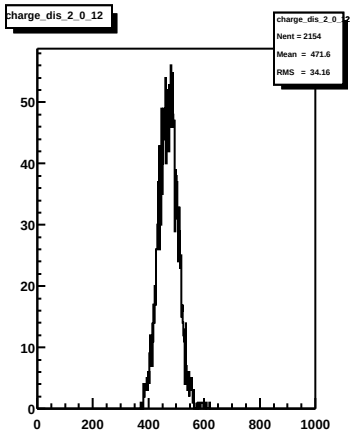
Nent = 2154
Mean = 470.9
RMS = 29.15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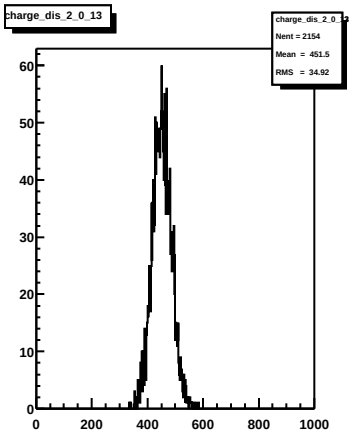
Mean = 471.6
RMS = 34.16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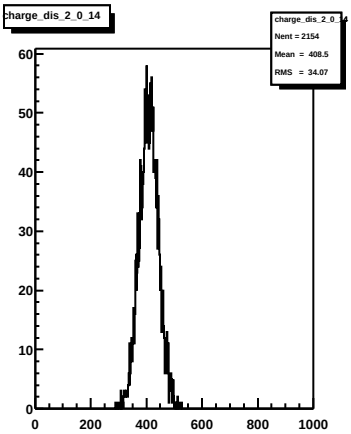
Mean = 451.5
RMS = 34.92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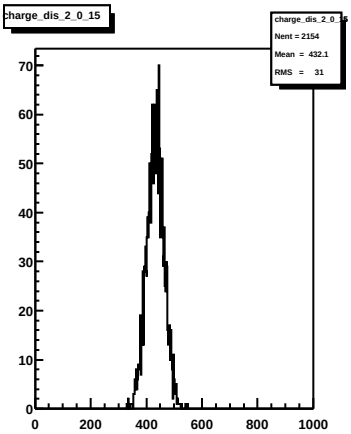
RMS = 34.07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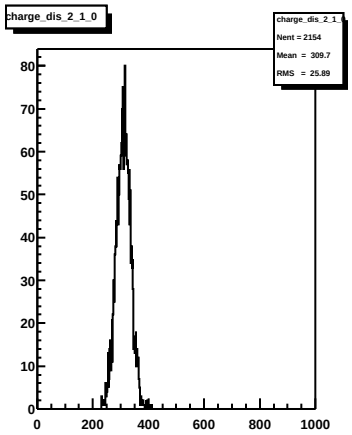
Nent = 2154
Mean = 432.1
RMS = 31


charge_dis_2_1_0
charge_dis_2_1_
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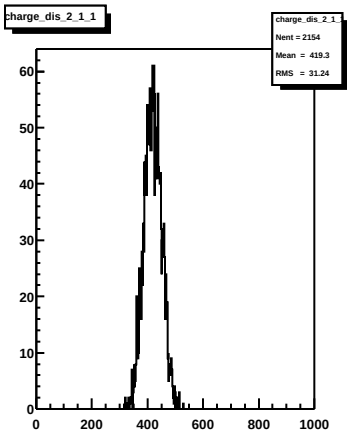
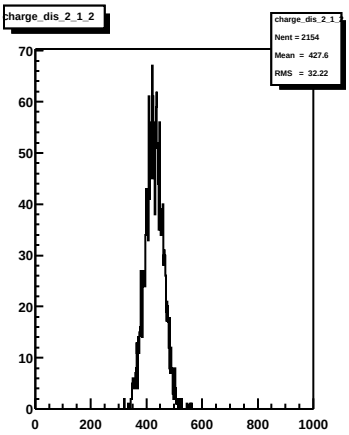
Mean = 309.7
RMS = 25.89


charge_dis_2_1_1
charge_dis_2_1_
Nent = 2154
Mean = 419.3
RMS = 31.24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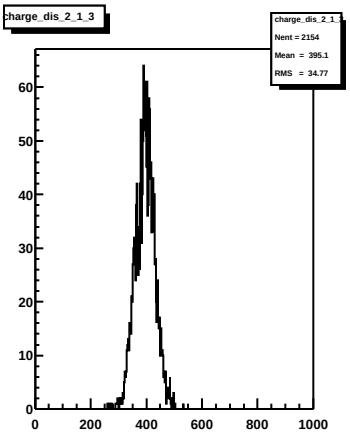
charge_dis_2_1_
Nent = 2154
Mean = 427.6
RMS = 32.22


charge_dis_2_1_3
charge_dis_2_1_
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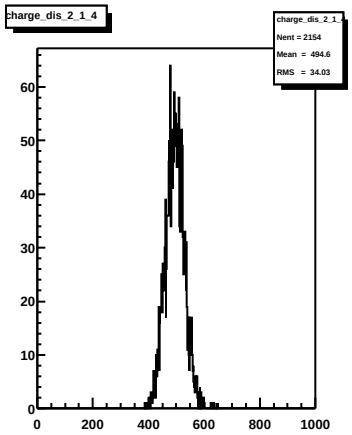
charge_dis_2_1_4
charge_dis_2_1_
Nent = 2154
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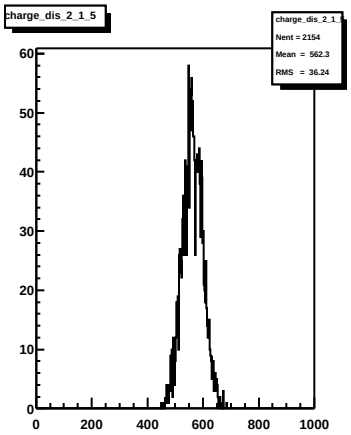
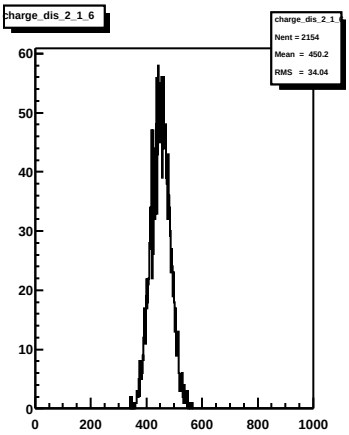
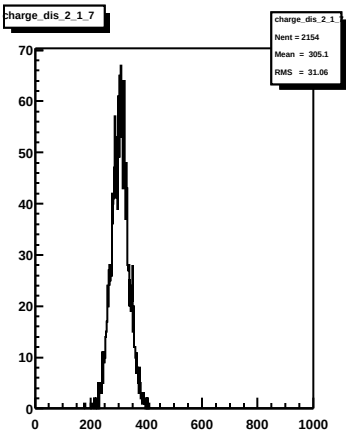
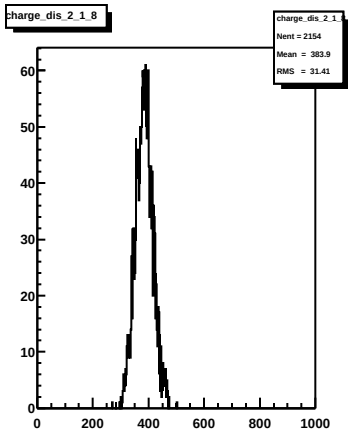
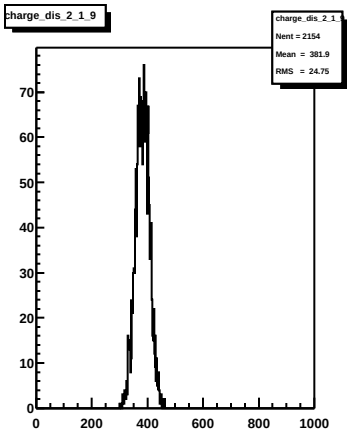
RMS = 34.03

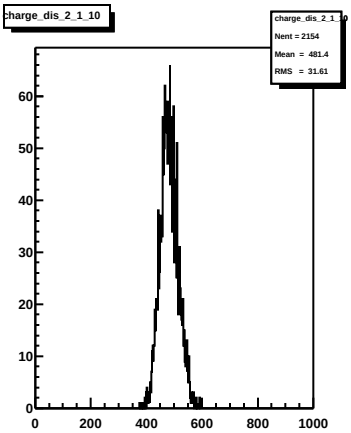

charge_dis_2_1_5
charge_dis_2_1_
Nent = 2154
Mean = 562.3
RMS = 36.24

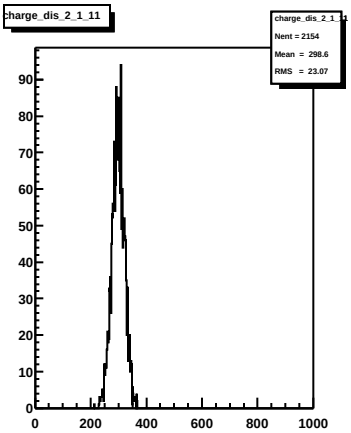

charge_dis_2_1_6
charge_dis_2_1_
Nent = 2154
Mean = 450.2
RMS = 34.04

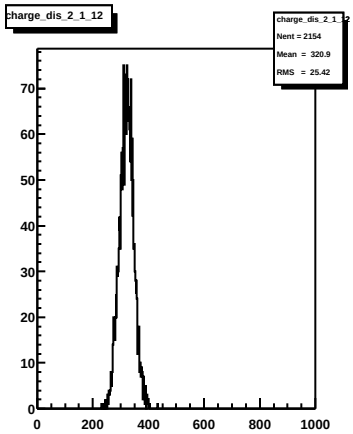

charge_dis_2_1_7
charge_dis_2_1_
Nent = 2154
Mean = 305.1
RMS = 31.06

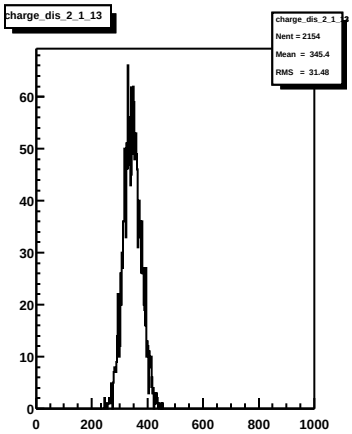

charge_dis_2_1_8
charge_dis_2_1_
Nent = 2154
Mean = 383.9
RMS = 31.41

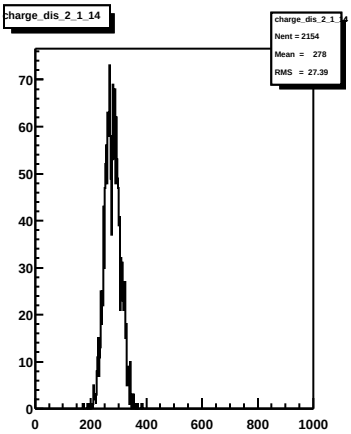

charge_dis_2_1_9
charge_dis_2_1_
Nent = 2154
Mean = 381.9
RMS = 24.75

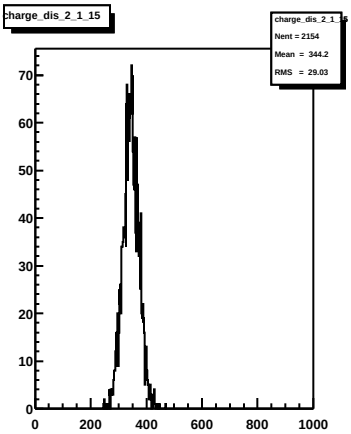

charge_dis_2_1_10
Nent = 2154
Mean = 481.4
RMS = 31.61

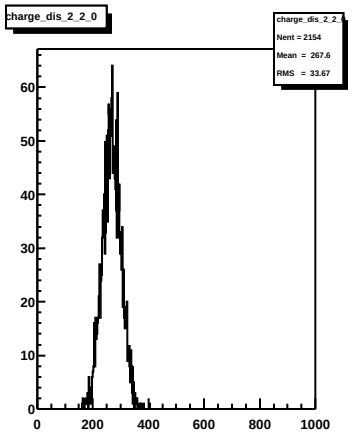

charge_dis_2_1_11
Nent = 2154
Mean = 298.6
RMS = 23.07

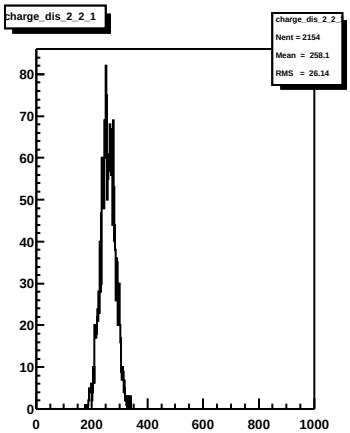

charge_dis_2_1_12
Nent = 2154
Mean = 320.9
RMS = 25.42

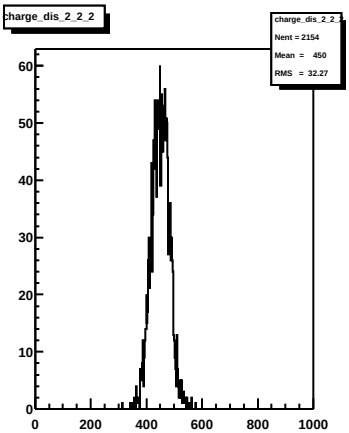

charge_dis_2_1_13
Nent = 2154
Mean = 345.4
RMS = 31.48

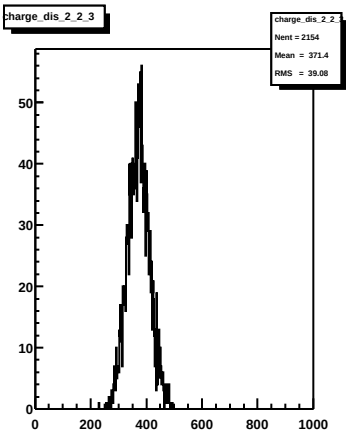

charge_dis_2_1_14
Nent = 2154
Mean = 278
RMS = 27.39

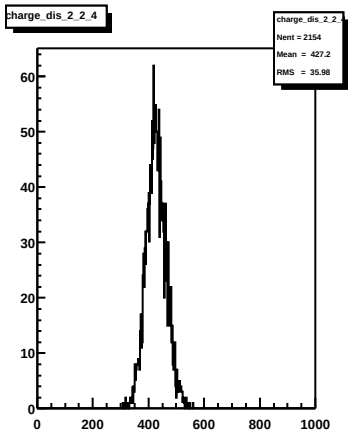

charge_dis_2_1_15
Nent = 2154
Mean = 344.2
RMS = 29.03

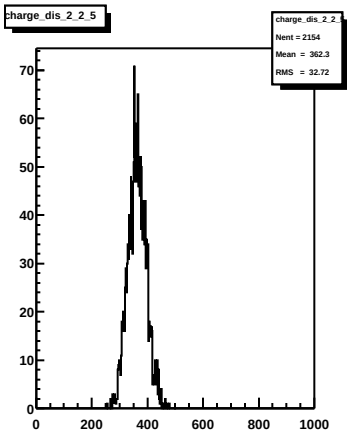

charge_dis_2_2_0
charge_dis_2_2_
Nent = 2154
Mean = 267.6
RMS = 33.67

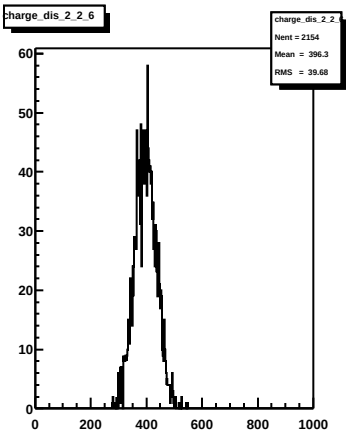

charge_dis_2_2_1
charge_dis_2_2_
Nent = 2154
Mean = 258.1
RMS = 26.14

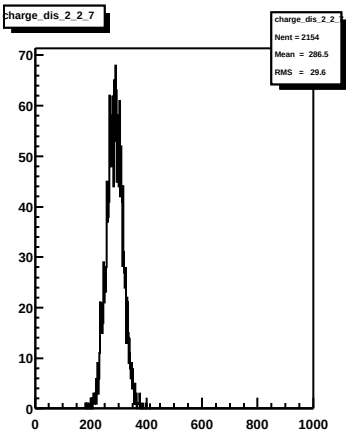

charge_dis_2_2_2
charge_dis_2_2_
Nent = 2154
Mean = 450
RMS = 32.27

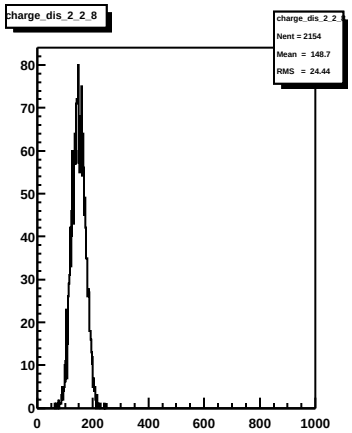

charge_dis_2_2_3
charge_dis_2_2_
Nent = 2154
Mean = 371.4
RMS = 39.08

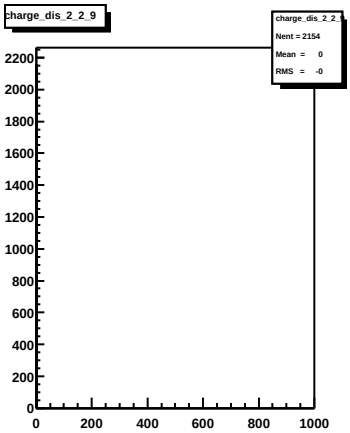

charge_dis_2_2_4
charge_dis_2_2_
Nent = 2154
Mean = 427.2
RMS = 35.98

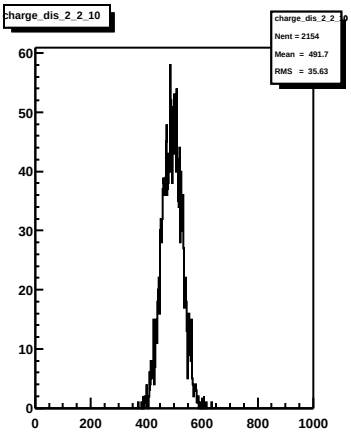

charge_dis_2_2_5
charge_dis_2_2_
Nent = 2154
Mean = 362.3
RMS = 32.72

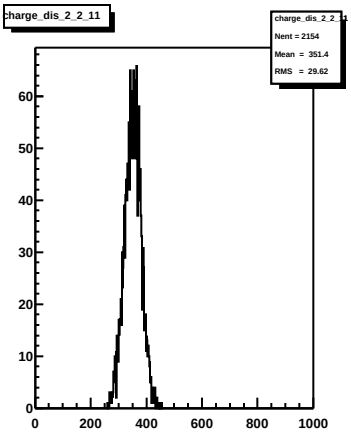

charge_dis_2_2_6
charge_dis_2_2_
Nent = 2154
Mean = 396.3
RMS = 39.68

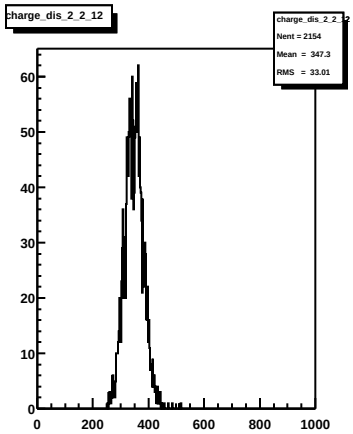

charge_dis_2_2_7
charge_dis_2_2_
Nent = 2154
Mean = 286.5
RMS = 29.6

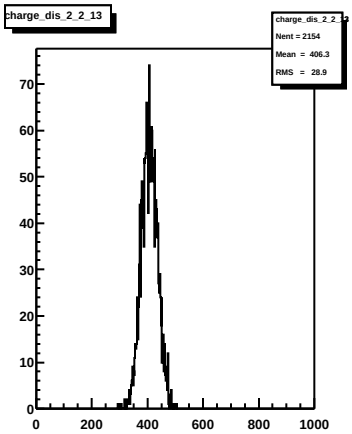

charge_dis_2_2_8
charge_dis_2_2_
Nent = 2154
Mean = 148.7
RMS = 24.44

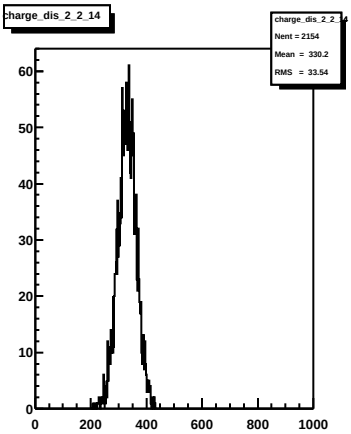

charge_dis_2_2_9
charge_dis_2_2_
Nent = 2154
Mean = 0
RMS = -0

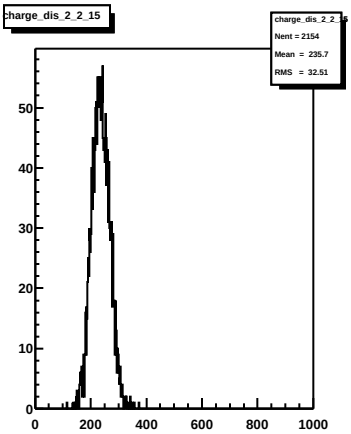

charge_dis_2_2_10
Nent = 2154
Mean = 491.7
RMS = 35.63

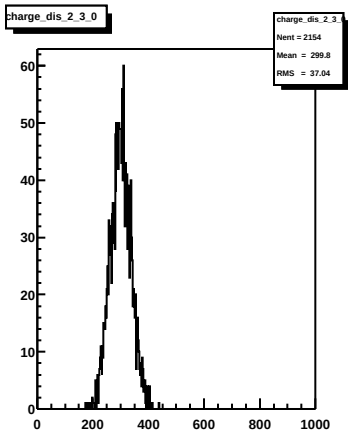

charge_dis_2_2_11
Nent = 2154
Mean = 351.4
RMS = 29.62

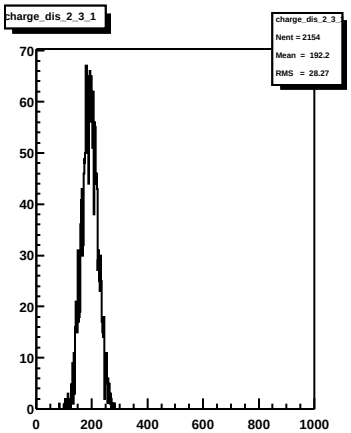

charge_dis_2_2_12
Nent = 2154
Mean = 347.3
RMS = 33.01

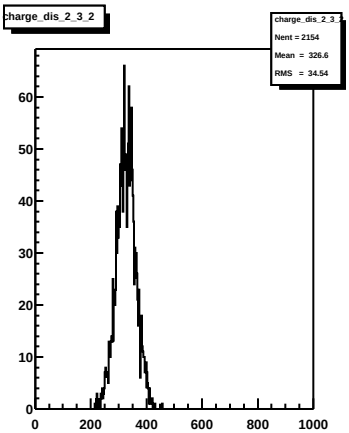

charge_dis_2_2_13
Nent = 2154
Mean = 406.3
RMS = 28.9

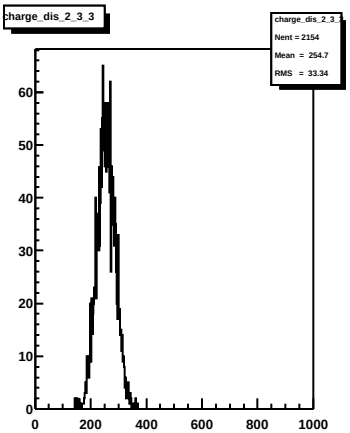

charge_dis_2_2_14
Nent = 2154
Mean = 330.2
RMS = 33.54

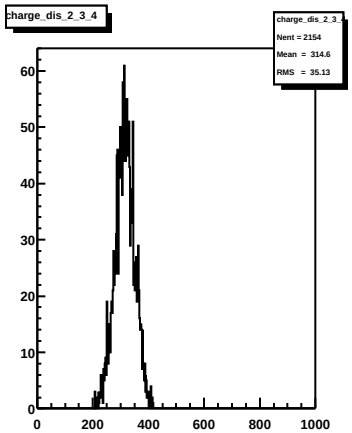

charge_dis_2_2_15
Nent = 2154
Mean = 235.7
RMS = 32.51

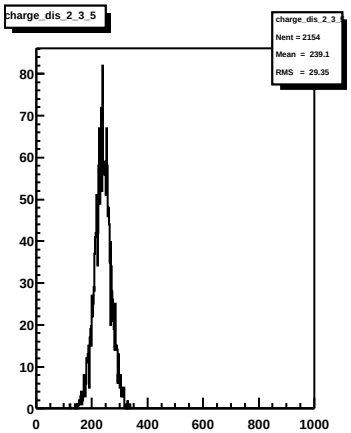

charge_dis_2_3_0
charge_dis_2_3_
Nent = 2154
Mean = 299.8
RMS = 37.04

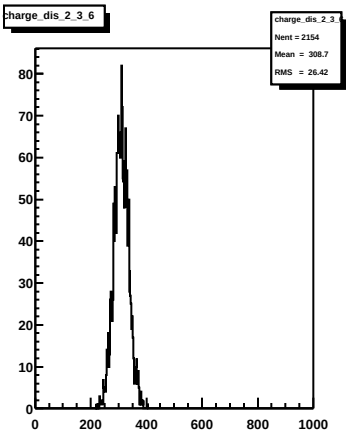

charge_dis_2_3_1
charge_dis_2_3_
Nent = 2154
Mean = 192.2
RMS = 28.27

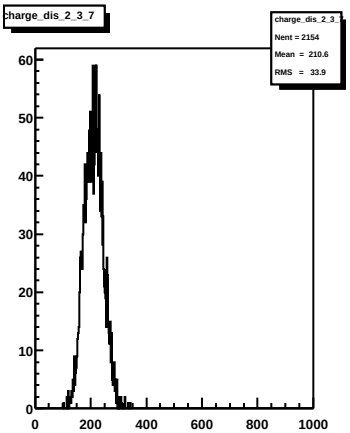

charge_dis_2_3_2
charge_dis_2_3_
Nent = 2154
Mean = 326.6
RMS = 34.54

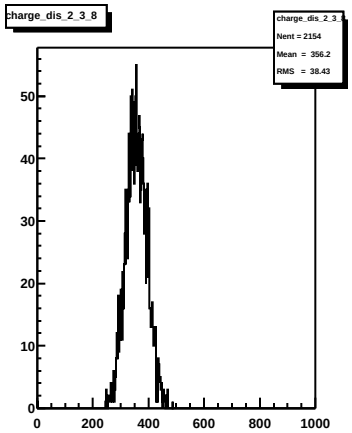

charge_dis_2_3_3
charge_dis_2_3_
Nent = 2154
Mean = 254.7
RMS = 33.34

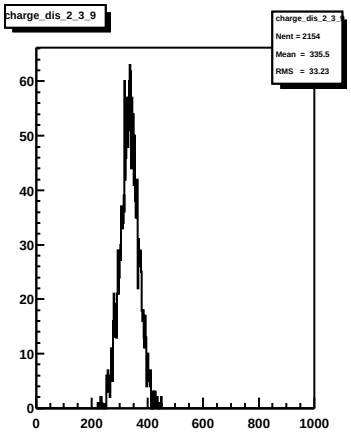

charge_dis_2_3_4
charge_dis_2_3_
Nent = 2154
Mean = 314.6
RMS = 35.13

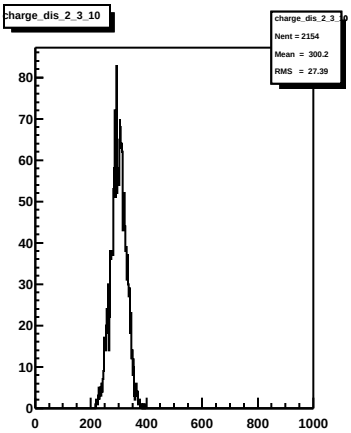

charge_dis_2_3_5
charge_dis_2_3_
Nent = 2154
Mean = 239.1
RMS = 29.35

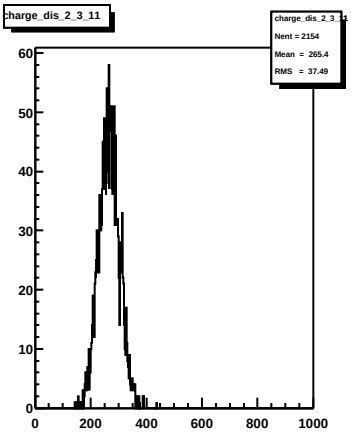

charge_dis_2_3_6
charge_dis_2_3_
Nent = 2154
Mean = 308.7
RMS = 26.42

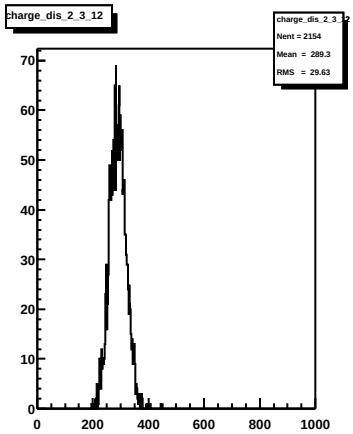

charge_dis_2_3_7
charge_dis_2_3_
Nent = 2154
Mean = 210.6
RMS = 33.9

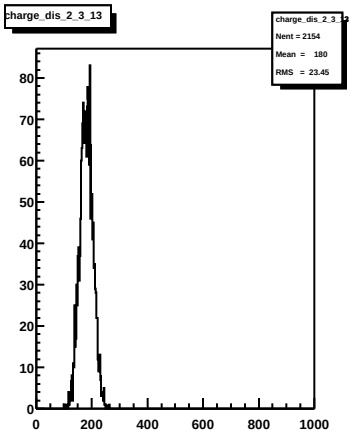

charge_dis_2_3_8
charge_dis_2_3_
Nent = 2154
Mean = 356.2
RMS = 38.43


charge_dis_2_3_9
charge_dis_2_3_
Nent = 2154
Mean = 335.5
RMS = 33.23


charge_dis_2_3_10
Nent = 2154
Mean = 300.2
RMS = 27.39


charge_dis_2_3_11
Nent = 2154
Mean = 265.4
RMS = 37.49


charge_dis_2_3_12
Nent = 2154
Mean = 289.3
RMS = 29.63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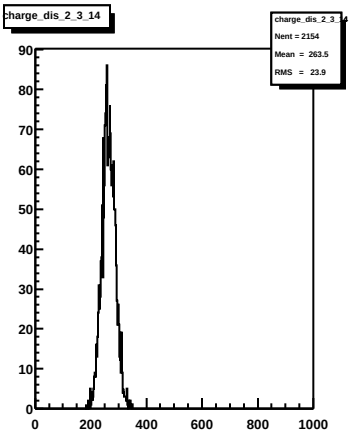
Nent = 2154
Mean = 180
RMS = 23.45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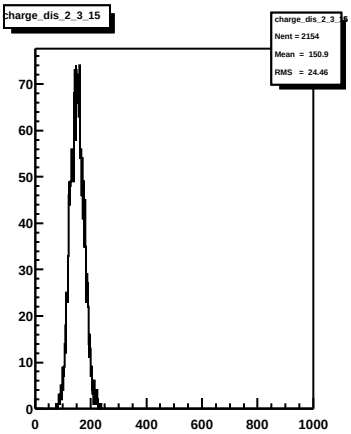
Nent = 2154
Mean = 263.5
RMS = 23.9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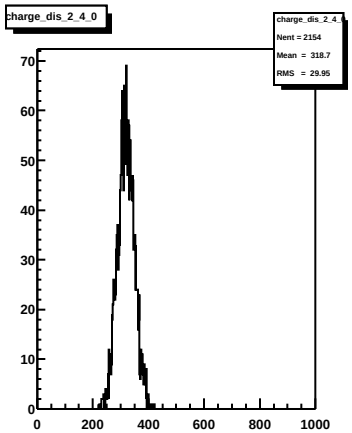
charge_dis_2_4_0
charge_dis_2_4_
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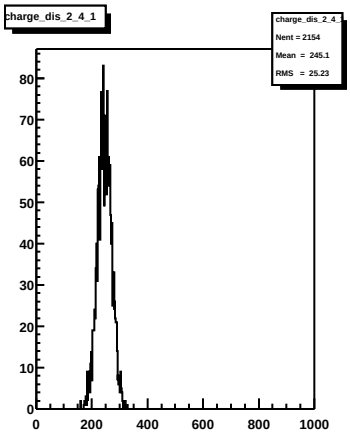
Mean = 318.7
RMS = 29.95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charge_dis_2_4_
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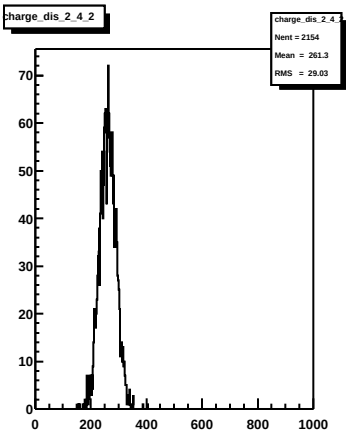
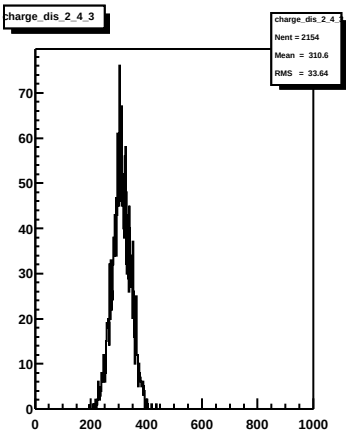
Mean = 245.1
RMS = 25.23


charge_dis_2_4_2
charge_dis_2_4_
Nent = 2154
Mean = 261.3
RMS = 29.03


charge_dis_2_4_3
charge_dis_2_4_
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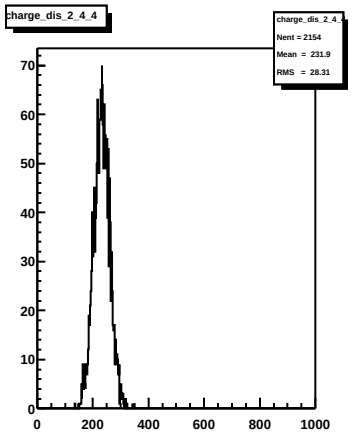
Mean = 310.6
RMS = 33.64


charge_dis_2_4_4
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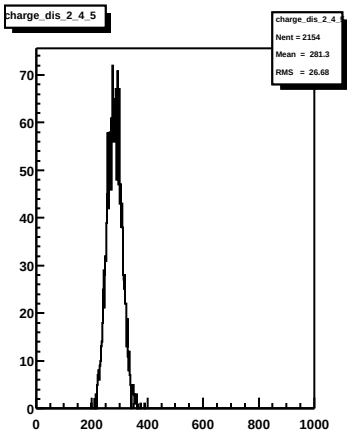
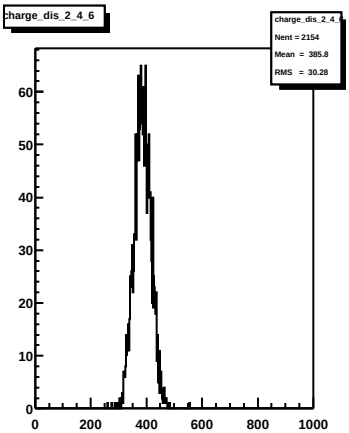
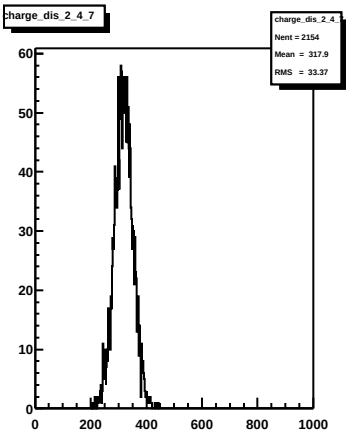
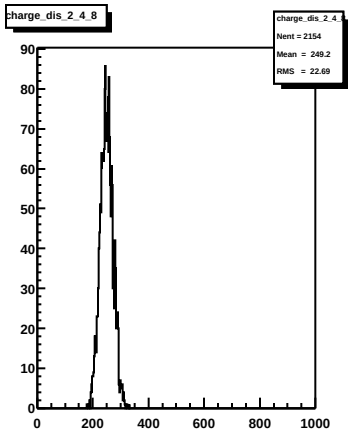
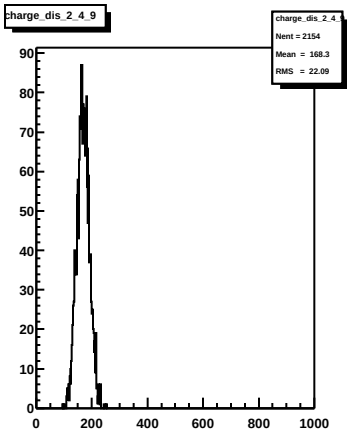
RMS = 28.31

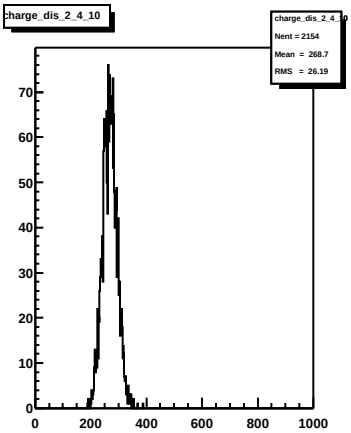

charge_dis_2_4_5
charge_dis_2_4_
Nent = 2154
Mean = 281.3
RMS = 26.68

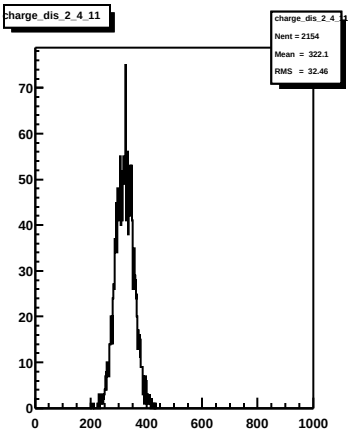

charge_dis_2_4_6
charge_dis_2_4_
Nent = 2154
Mean = 385.8
RMS = 30.28

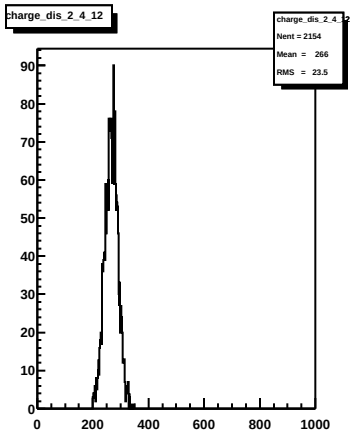

charge_dis_2_4_7
charge_dis_2_4_
Nent = 2154
Mean = 317.9
RMS = 33.37

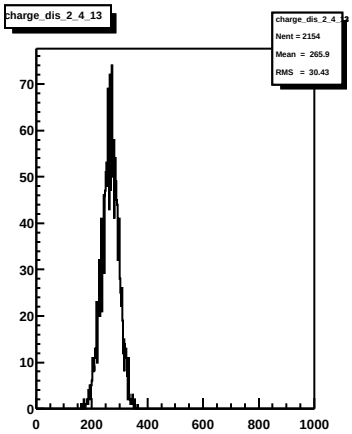

charge_dis_2_4_8
charge_dis_2_4_
Nent = 2154
Mean = 249.2
RMS = 22.69

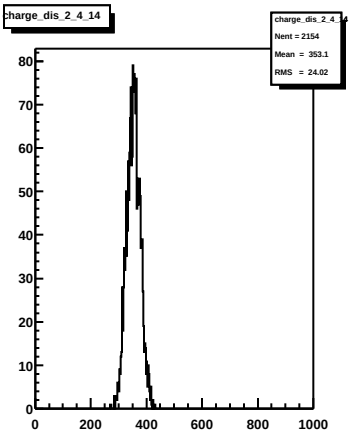

charge_dis_2_4_9
charge_dis_2_4_
Nent = 2154
Mean = 168.3
RMS = 22.09

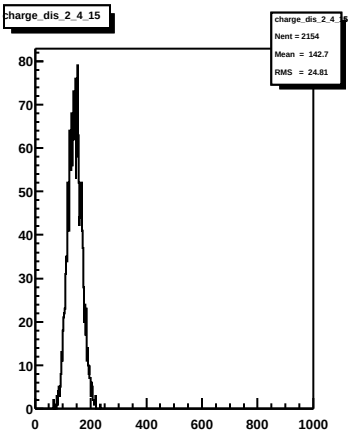

charge_dis_2_4_10
Nent = 2154
Mean = 268.7
RMS = 26.19

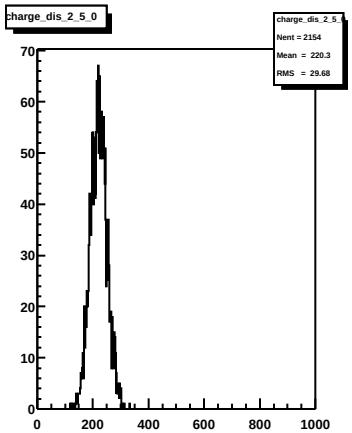

charge_dis_2_4_11
charge_dis_2_4_
Nent = 2154
Mean = 322.1
RMS = 32.46

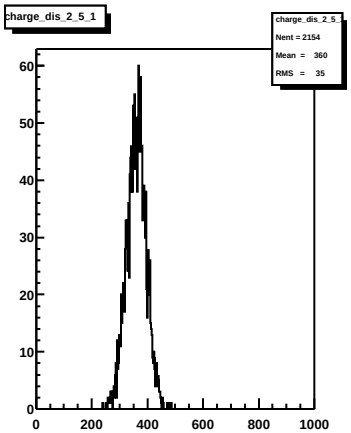

charge_dis_2_4_12
charge_dis_2_4_
Nent = 2154
Mean = 266
RMS = 23.5

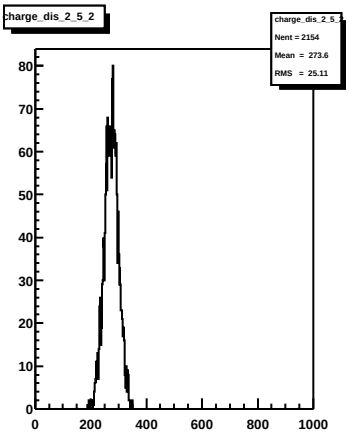

charge_dis_2_4_13
charge_dis_2_4_
Nent = 2154
Mean = 265.9
RMS = 30.43

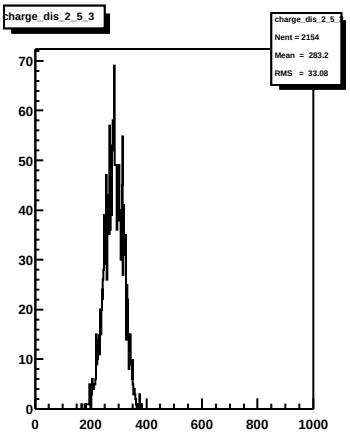

charge_dis_2_4_14
Nent = 2154
Mean = 353.1
RMS = 24.02

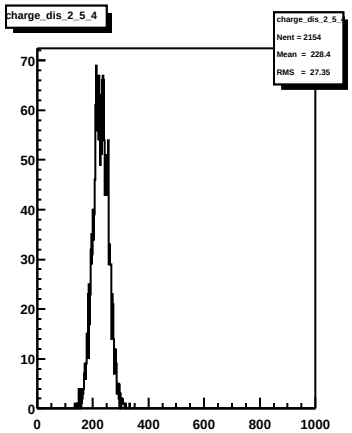

charge_dis_2_4_15
charge_dis_2_4_
Nent = 2154
Mean = 142.7
RMS = 24.81

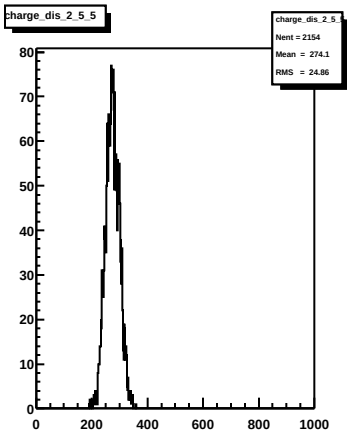

charge_dis_2_5_0
charge_dis_2_5_
Nent = 2154
Mean = 220.3
RMS = 29.68

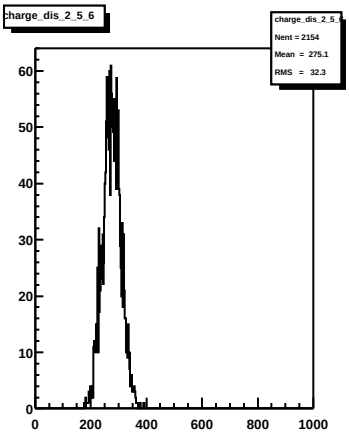

charge_dis_2_5_1
charge_dis_2_5_
Nent = 2154
Mean = 360
RMS = 35

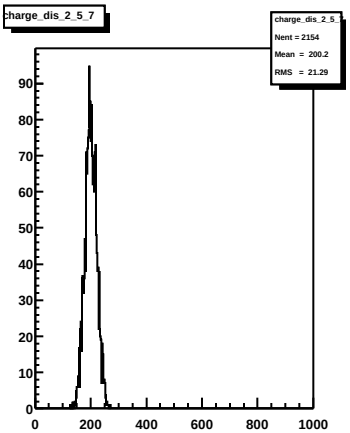

charge_dis_2_5_2
charge_dis_2_5_
Nent = 2154
Mean = 273.6
RMS = 25.11

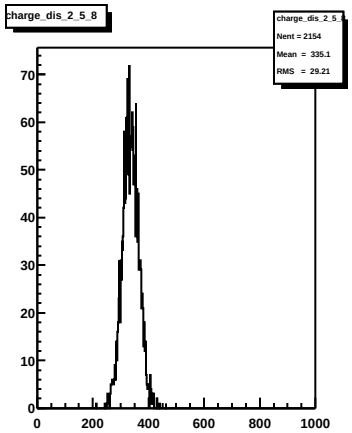

charge_dis_2_5_3
charge_dis_2_5_
Nent = 2154
Mean = 283.2
RMS = 33.08

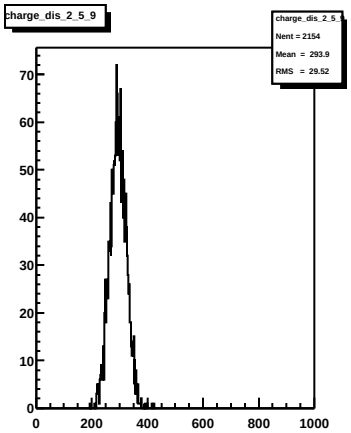

charge_dis_2_5_4
charge_dis_2_5_
Nent = 2154
Mean = 228.4
RMS = 27.35

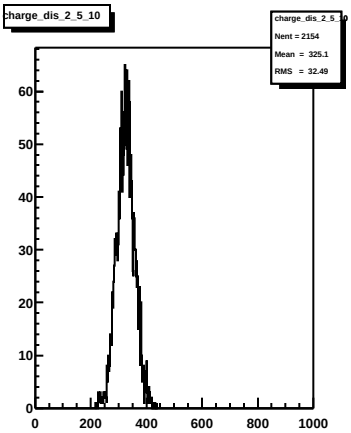

charge_dis_2_5_5
charge_dis_2_5_
Nent = 2154
Mean = 274.1
RMS = 24.86

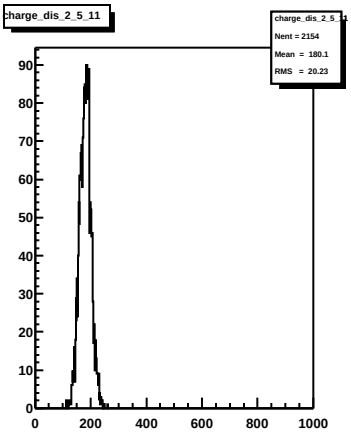

charge_dis_2_5_6
charge_dis_2_5_
Nent = 2154
Mean = 275.1
RMS = 32.3

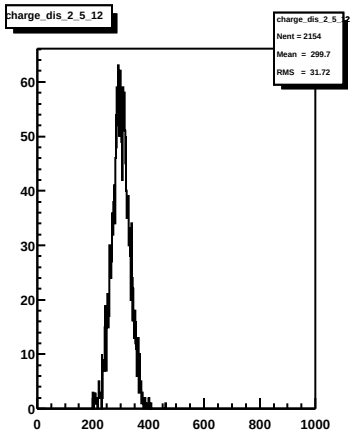

charge_dis_2_5_7
charge_dis_2_5_
Nent = 2154
Mean = 200.2
RMS = 21.29

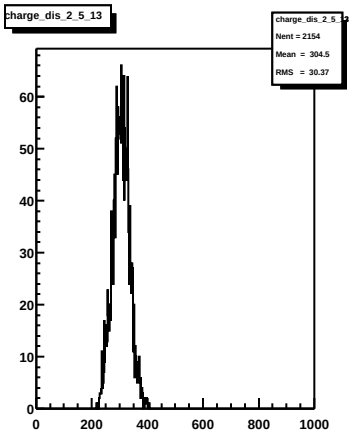

charge_dis_2_5_8
charge_dis_2_5_
Nent = 2154
Mean = 335.1
RMS = 29.21

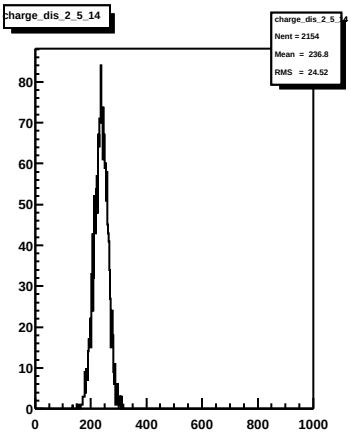

charge_dis_2_5_9
charge_dis_2_5_
Nent = 2154
Mean = 293.9
RMS = 29.52

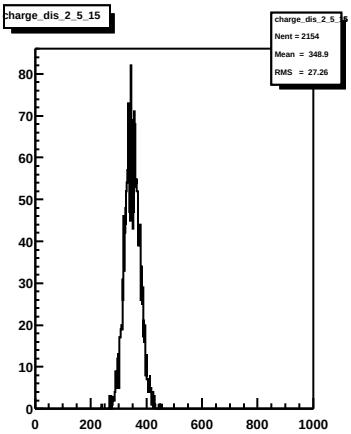

charge_dis_2_5_10
charge_dis_2_5_
Nent = 2154
Mean = 325.1
RMS = 32.49

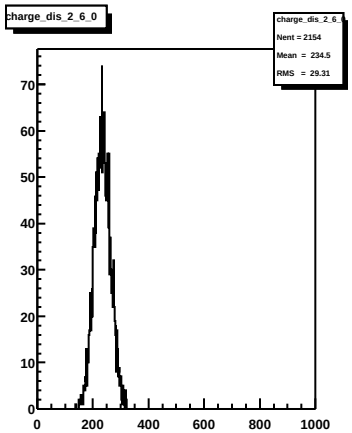

charge_dis_2_5_11
charge_dis_2_5_
Nent = 2154
Mean = 180.1
RMS = 20.23

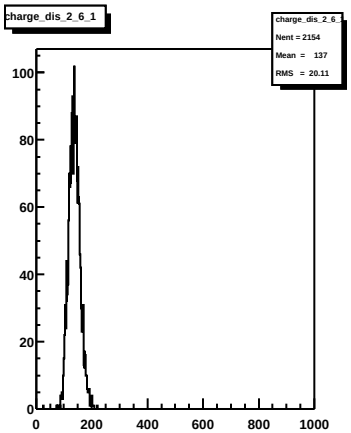

charge_dis_2_5_12
charge_dis_2_5_
Nent = 2154
Mean = 299.7
RMS = 31.72

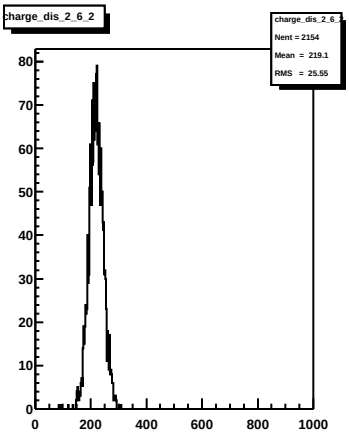

charge_dis_2_5_13
charge_dis_2_5_
Nent = 2154
Mean = 304.5
RMS = 30.37

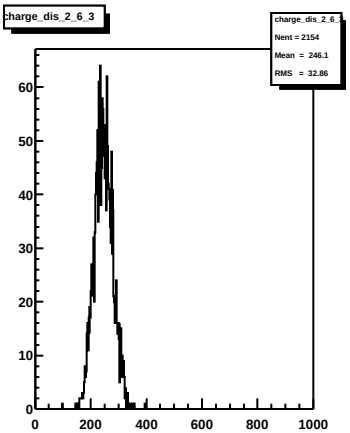

charge_dis_2_5_14
charge_dis_2_5_
Nent = 2154
Mean = 236.8
RMS = 24.52

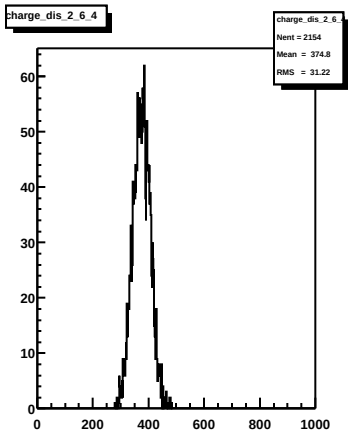

charge_dis_2_5_15
charge_dis_2_5_
Nent = 2154
Mean = 348.9
RMS = 27.26

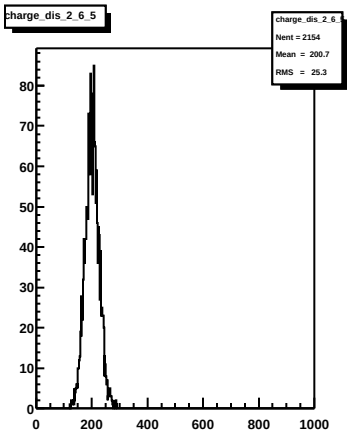

charge_dis_2_6_0
charge_dis_2_6_
Nent = 2154
Mean = 234.5
RMS = 29.31

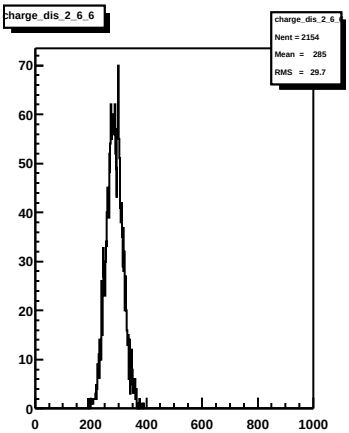

charge_dis_2_6_1
charge_dis_2_6_
Nent = 2154
Mean = 137
RMS = 20.11

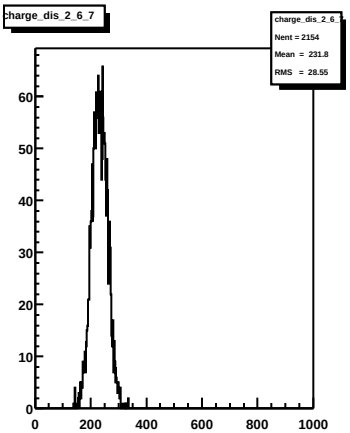

charge_dis_2_6_2
charge_dis_2_6_
Nent = 2154
Mean = 219.1
RMS = 25.55

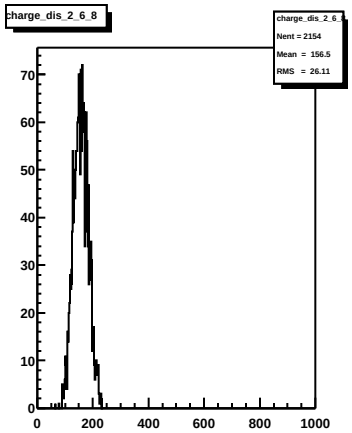

charge_dis_2_6_3
charge_dis_2_6_
Nent = 2154
Mean = 246.1
RMS = 32.86

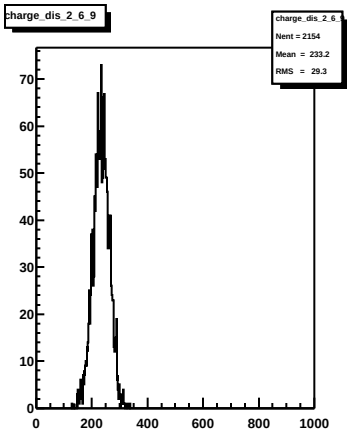

charge_dis_2_6_4
charge_dis_2_6_
Nent = 2154
Mean = 374.8
RMS = 31.22

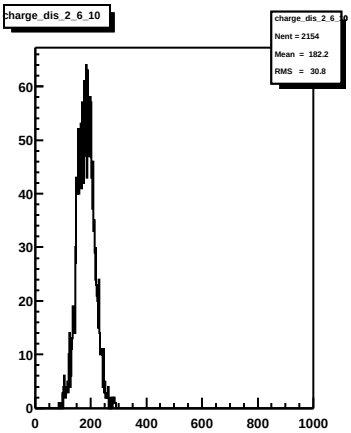

charge_dis_2_6_5
charge_dis_2_6_
Nent = 2154
Mean = 200.7
RMS = 25.3

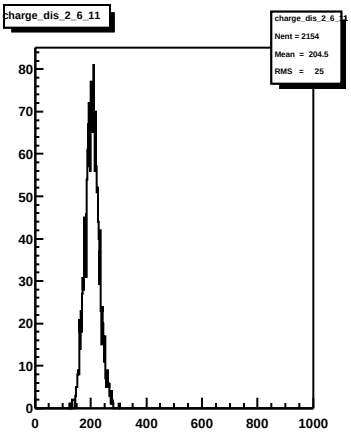

charge_dis_2_6_6
charge_dis_2_6_
Nent = 2154
Mean = 285
RMS = 29.7

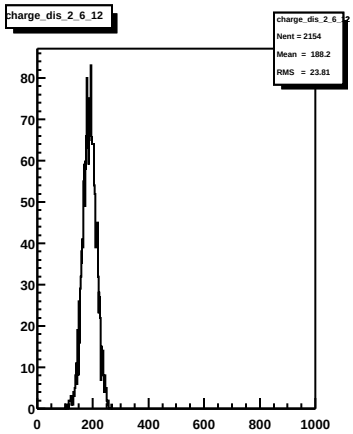

charge_dis_2_6_7
charge_dis_2_6_
Nent = 2154
Mean = 231.8
RMS = 28.55

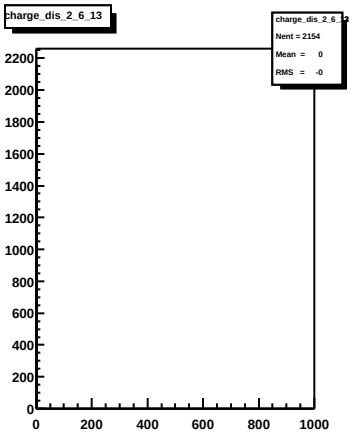

charge_dis_2_6_8
charge_dis_2_6_
Nent = 2154
Mean = 156.5
RMS = 26.11

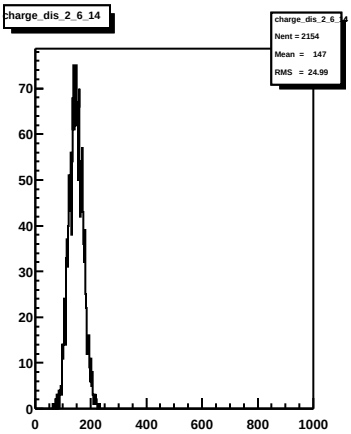

charge_dis_2_6_9
charge_dis_2_6_
Nent = 2154
Mean = 233.2
RMS = 29.3

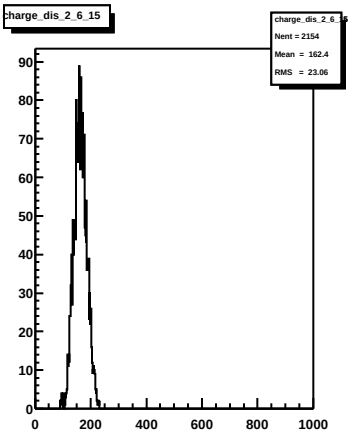

charge_dis_2_6_10
Nent = 2154
Mean = 182.2
RMS = 30.8

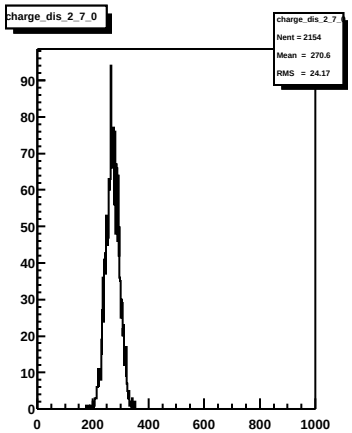

charge_dis_2_6_11
Nent = 2154
Mean = 204.5
RMS = 25

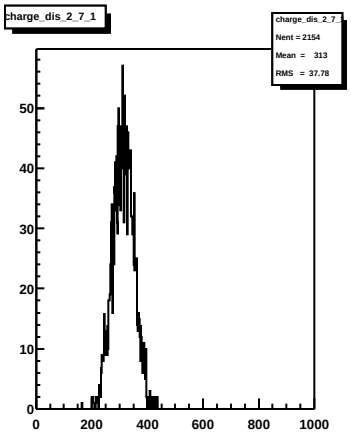

charge_dis_2_6_12
Nent = 2154
Mean = 188.2
RMS = 23.81

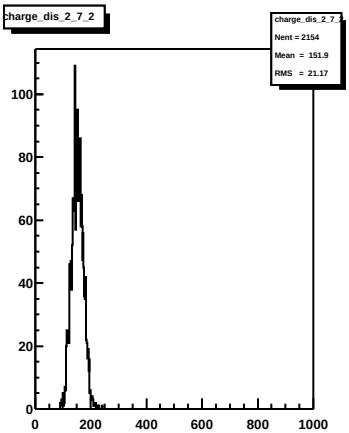

charge_dis_2_6_13
Nent = 2154
Mean = 0
RMS = -0

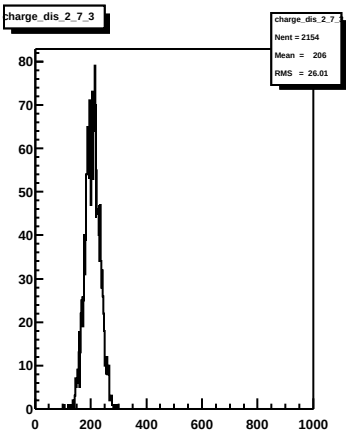

charge_dis_2_6_14
Nent = 2154
Mean = 147
RMS = 24.99

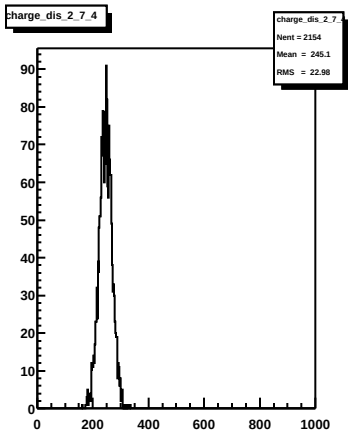

charge_dis_2_6_15
Nent = 2154
Mean = 162.4
RMS = 23.06

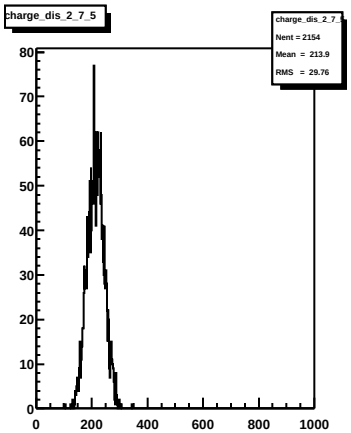

charge_dis_2_7_0
charge_dis_2_7_
Nent = 2154
Mean = 270.6
RMS = 24.17

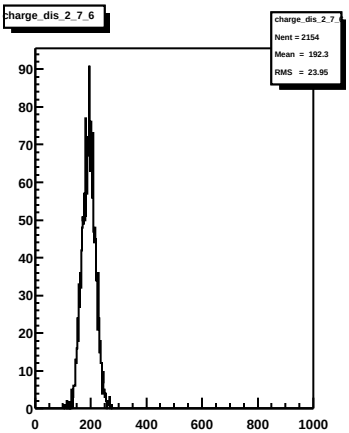

charge_dis_2_7_1
charge_dis_2_7_
Nent = 2154
Mean = 313
RMS = 37.78

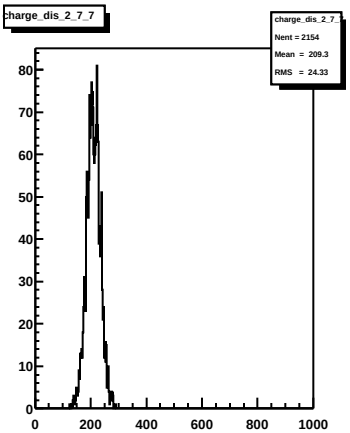

charge_dis_2_7_2
charge_dis_2_7_
Nent = 2154
Mean = 151.9
RMS = 21.17

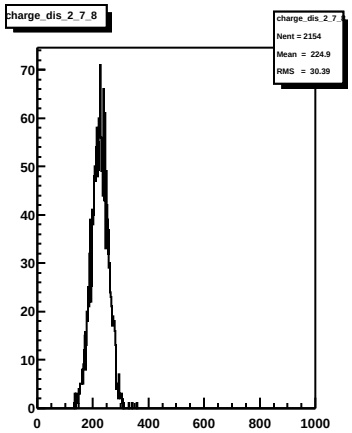

charge_dis_2_7_3
charge_dis_2_7_
Nent = 2154
Mean = 206
RMS = 26.01

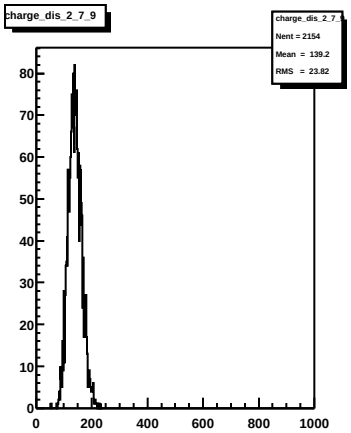

charge_dis_2_7_4
charge_dis_2_7_
Nent = 2154
Mean = 245.1
RMS = 22.98

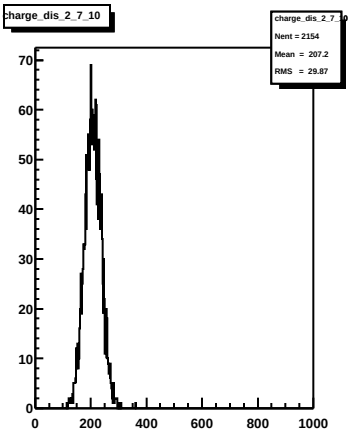

charge_dis_2_7_5
charge_dis_2_7_
Nent = 2154
Mean = 213.9
RMS = 29.76

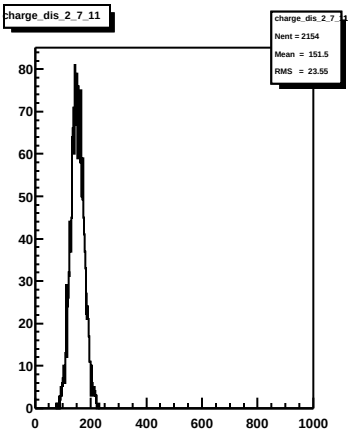

charge_dis_2_7_6
charge_dis_2_7_
Nent = 2154
Mean = 192.3
RMS = 23.95

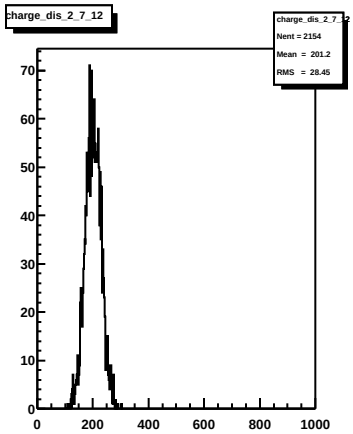

charge_dis_2_7_7
charge_dis_2_7_
Nent = 2154
Mean = 209.3
RMS = 24.33

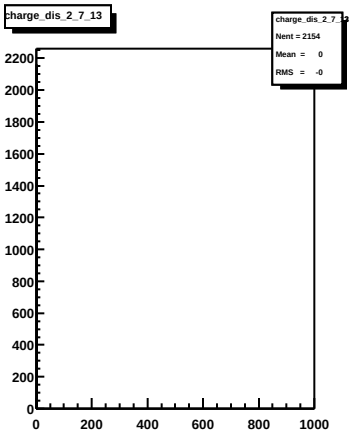

charge_dis_2_7_8
charge_dis_2_7_
Nent = 2154
Mean = 224.9
RMS = 30.39

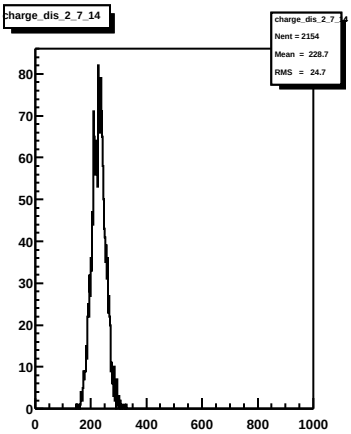

charge_dis_2_7_9
charge_dis_2_7_
Nent = 2154
Mean = 139.2
RMS = 23.82

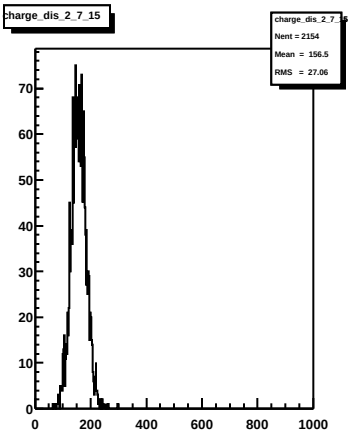

charge_dis_2_7_10
Nent = 2154
Mean = 207.2
RMS = 29.87

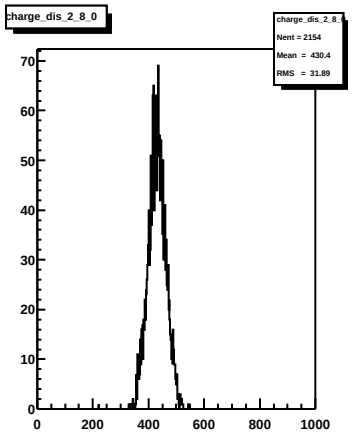

charge_dis_2_7_11
Nent = 2154
Mean = 151.5
RMS = 23.55

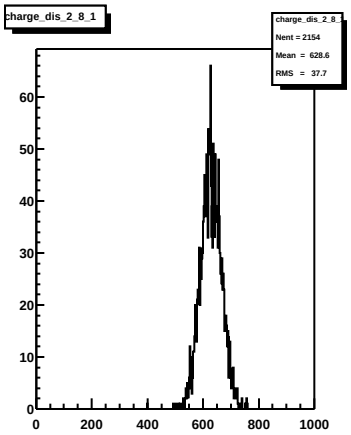

charge_dis_2_7_12
Nent = 2154
Mean = 201.2
RMS = 28.45

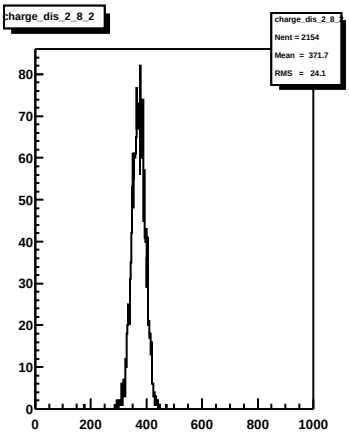

charge_dis_2_7_13
Nent = 2154
Mean = 0
RMS = -0

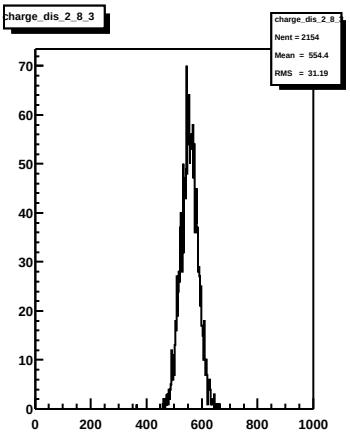

charge_dis_2_7_14
Nent = 2154
Mean = 228.7
RMS = 24.7

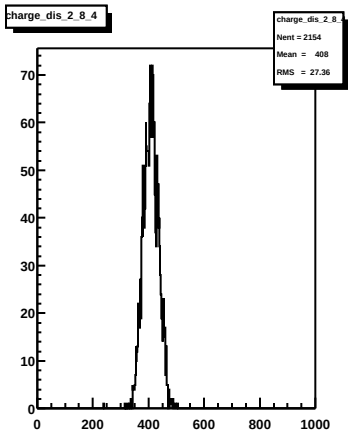

charge_dis_2_7_15
Nent = 2154
Mean = 156.5
RMS = 27.06

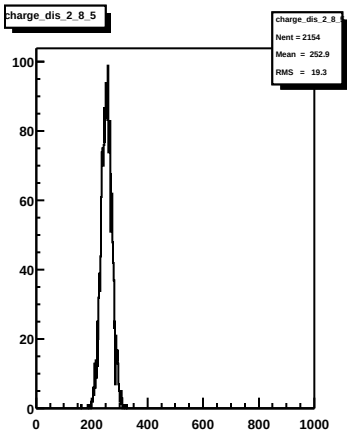

charge_dis_2_8_0
charge_dis_2_8_
Nent = 2154
Mean = 430.4
RMS = 31.89

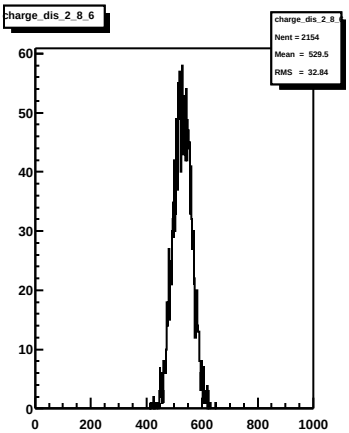

charge_dis_2_8_1
charge_dis_2_8_
Nent = 2154
Mean = 628.6
RMS = 37.7

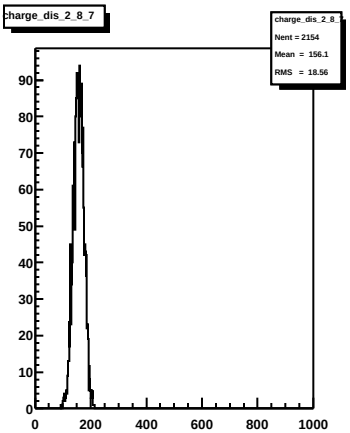

charge_dis_2_8_2
charge_dis_2_8_
Nent = 2154
Mean = 371.7
RMS = 24.1

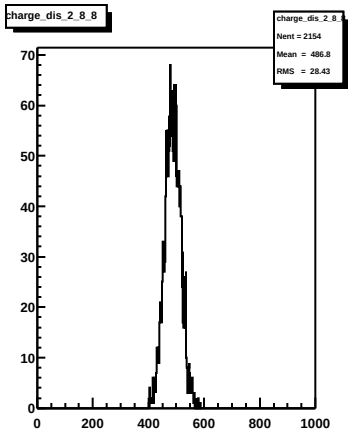

charge_dis_2_8_3
charge_dis_2_8_
Nent = 2154
Mean = 554.4
RMS = 31.19

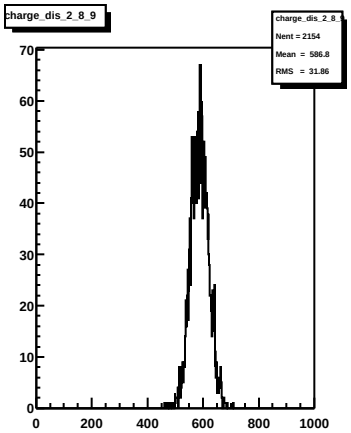

charge_dis_2_8_4
charge_dis_2_8_
Nent = 2154
Mean = 408
RMS = 27.36

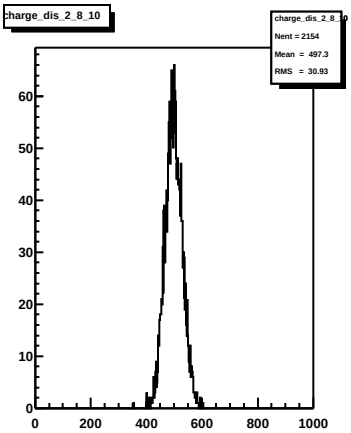

charge_dis_2_8_5
charge_dis_2_8_
Nent = 2154
Mean = 252.9
RMS = 19.3

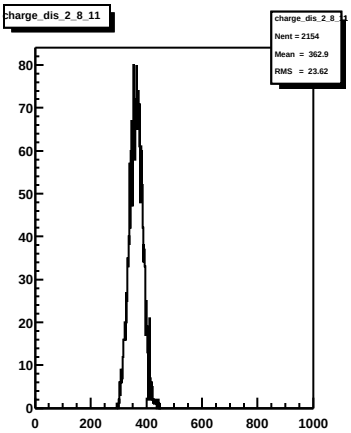

charge_dis_2_8_6
charge_dis_2_8_
Nent = 2154
Mean = 529.5
RMS = 32.84

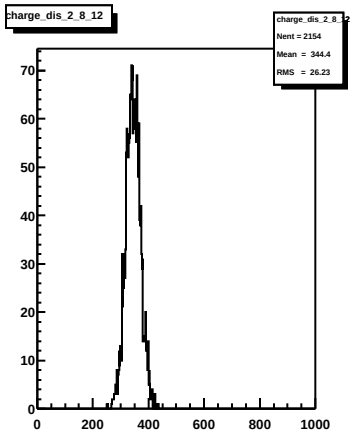

charge_dis_2_8_7
charge_dis_2_8_
Nent = 2154
Mean = 156.1
RMS = 18.56

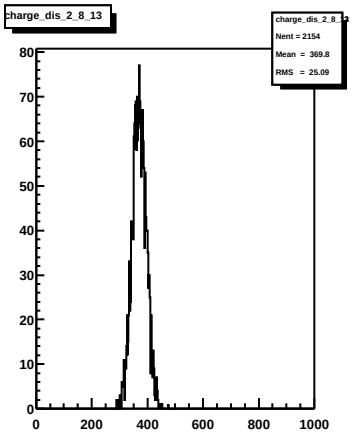

charge_dis_2_8_8
charge_dis_2_8_
Nent = 2154
Mean = 486.8
RMS = 28.43

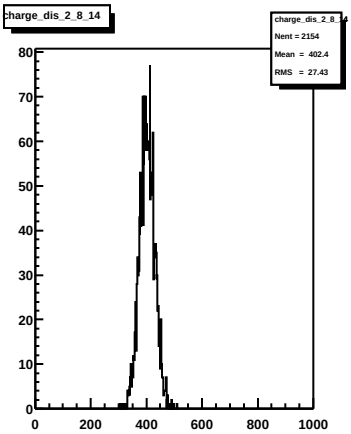

charge_dis_2_8_9
charge_dis_2_8_
Nent = 2154
Mean = 586.8
RMS = 31.86

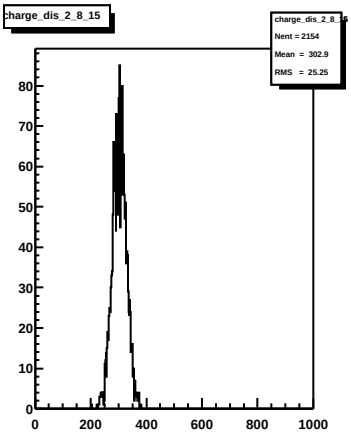

charge_dis_2_8_10
Nent = 2154
Mean = 497.3
RMS = 30.93

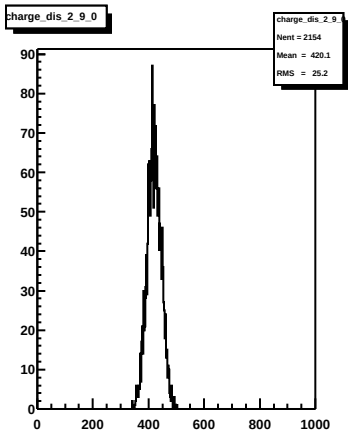

charge_dis_2_8_11
Nent = 2154
Mean = 362.9
RMS = 23.62

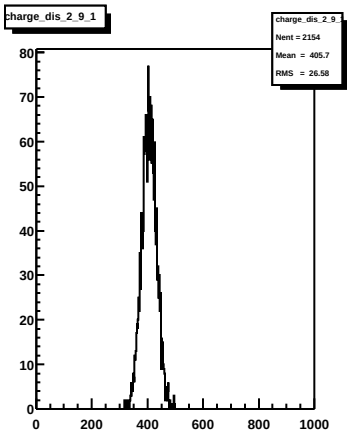

charge_dis_2_8_12
Nent = 2154
Mean = 344.4
RMS = 26.23

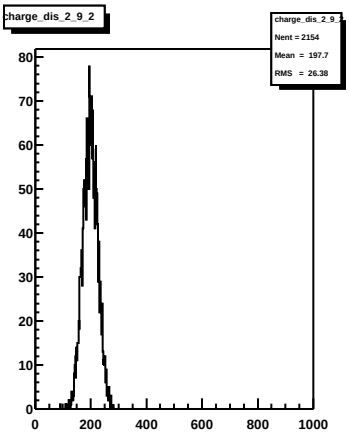

charge_dis_2_8_13
Nent = 2154
Mean = 369.8
RMS = 25.09

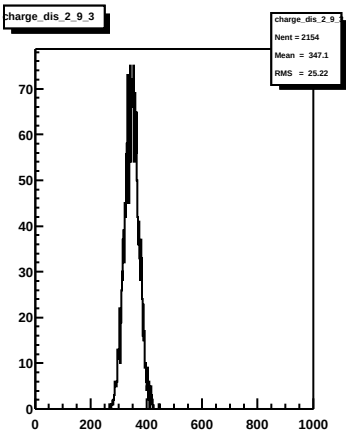

charge_dis_2_8_14
Nent = 2154
Mean = 402.4
RMS = 27.43

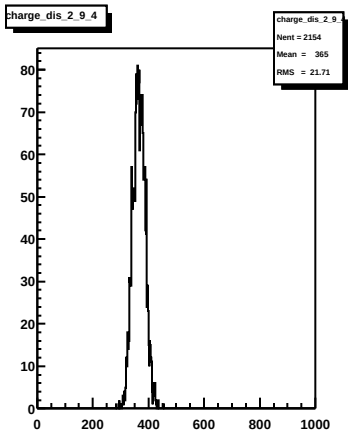

charge_dis_2_8_15
Nent = 2154
Mean = 302.9
RMS = 25.25

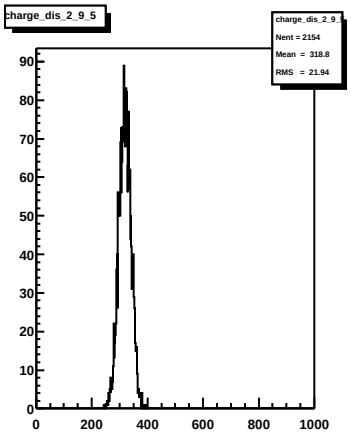

charge_dis_2_9_0
charge_dis_2_9_
Nent = 2154
Mean = 420.1
RMS = 25.2

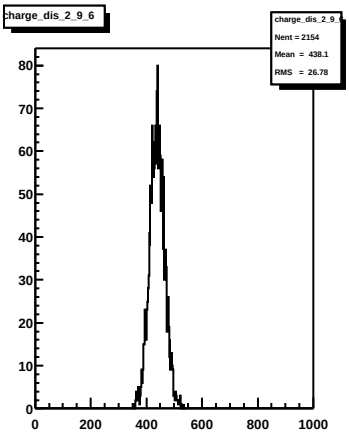

charge_dis_2_9_1
charge_dis_2_9_
Nent = 2154
Mean = 405.7
RMS = 26.58

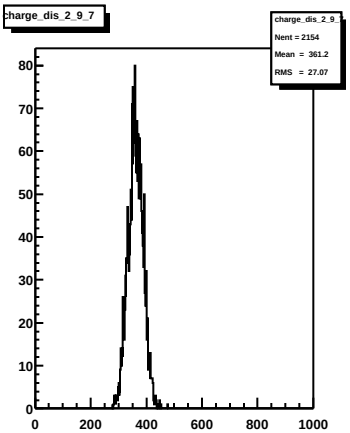

charge_dis_2_9_2
charge_dis_2_9_
Nent = 2154
Mean = 197.7
RMS = 26.38

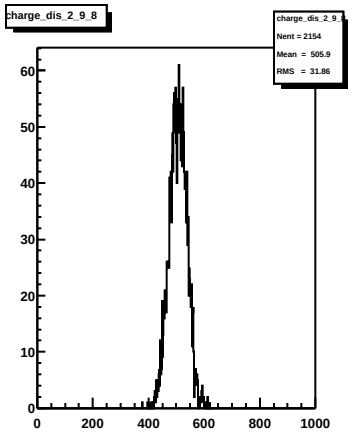

charge_dis_2_9_3
charge_dis_2_9_
Nent = 2154
Mean = 347.1
RMS = 25.22

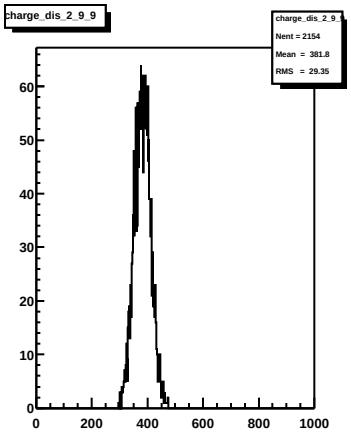

charge_dis_2_9_4
charge_dis_2_9_
Nent = 2154
Mean = 365
RMS = 21.71

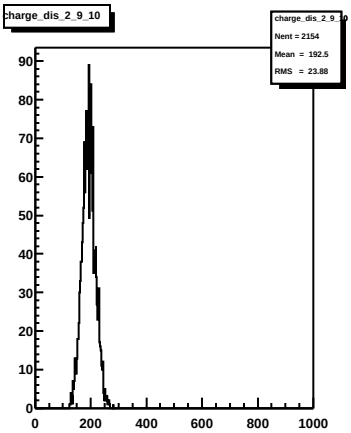

charge_dis_2_9_5
charge_dis_2_9_
Nent = 2154
Mean = 318.8
RMS = 21.94

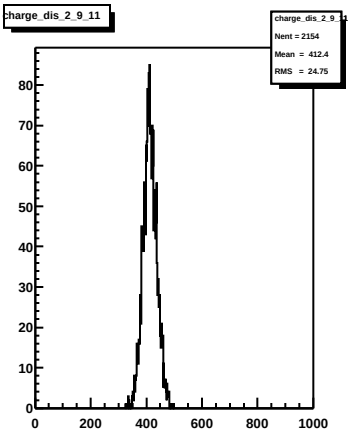

charge_dis_2_9_6
charge_dis_2_9_
Nent = 2154
Mean = 438.1
RMS = 26.78

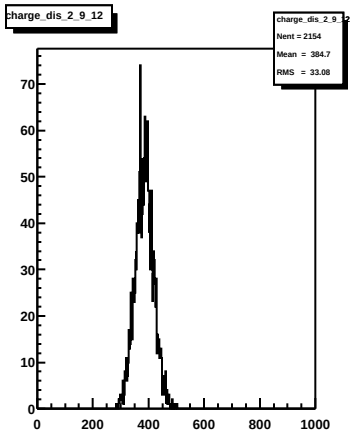

charge_dis_2_9_7
charge_dis_2_9_
Nent = 2154
Mean = 361.2
RMS = 27.07

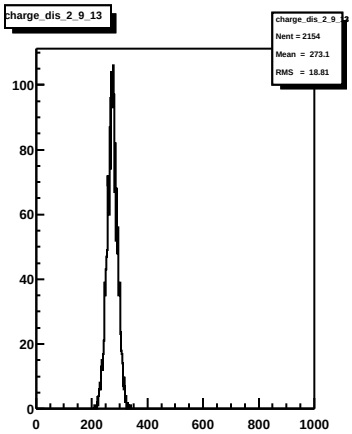

charge_dis_2_9_8
charge_dis_2_9_
Nent = 2154
Mean = 505.9
RMS = 31.86

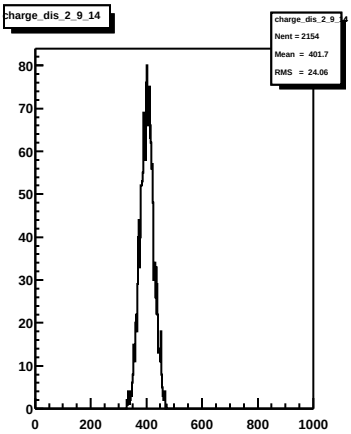

charge_dis_2_9_9
charge_dis_2_9_
Nent = 2154
Mean = 381.8
RMS = 29.35

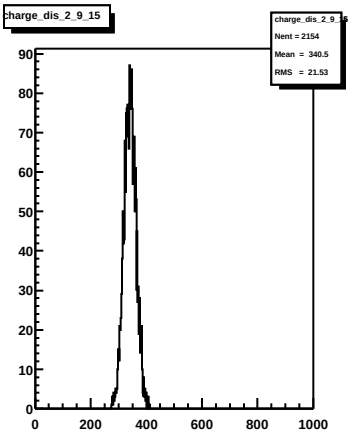

charge_dis_2_9_10
Nent = 2154
Mean = 192.5
RMS = 23.88


charge_dis_2_9_11
Nent = 2154
Mean = 412.4
RMS = 24.75


charge_dis_2_9_12
Nent = 2154
Mean = 384.7
RMS = 33.08


charge_dis_2_9_13
Nent = 2154
Mean = 273.1
RMS = 18.81


charge_dis_2_9_14
Nent = 2154
Mean = 401.7
RMS = 24.06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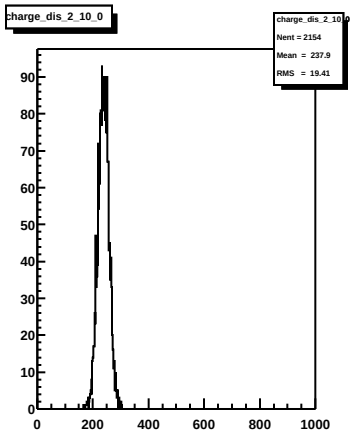
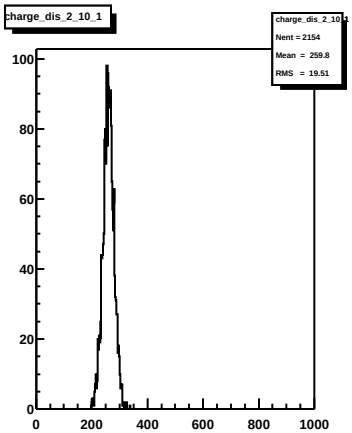
Nent = 2154
Mean = 340.5
RMS = 21.53


charge_dis_2_10_0
charge_dis_2_10_0
Nent = 2154
Mean = 237.9
RMS = 19.41


charge_dis_2_10_1
charge_dis_2_10_1
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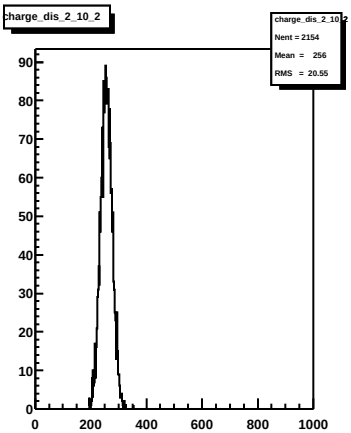
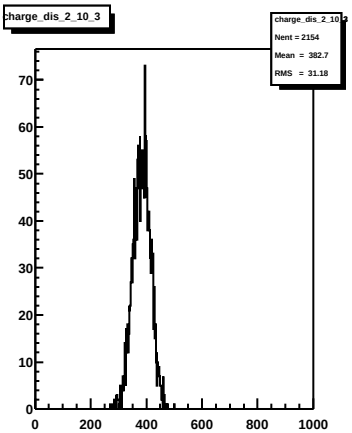
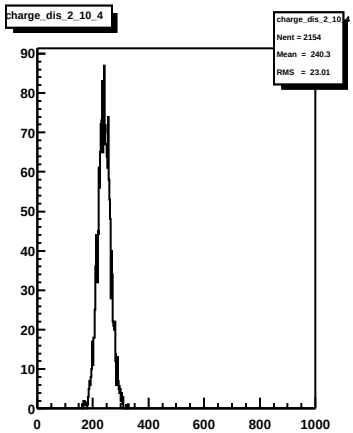
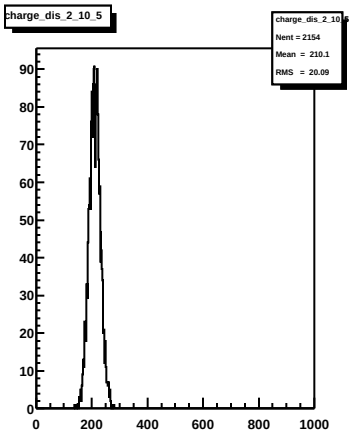
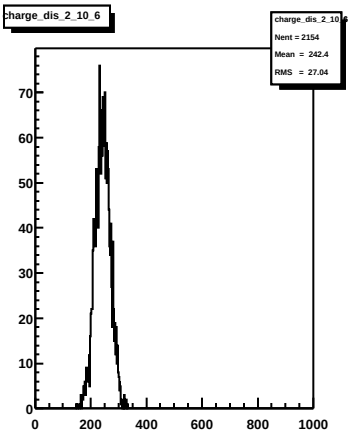
Mean = 259.8
RMS = 19.51

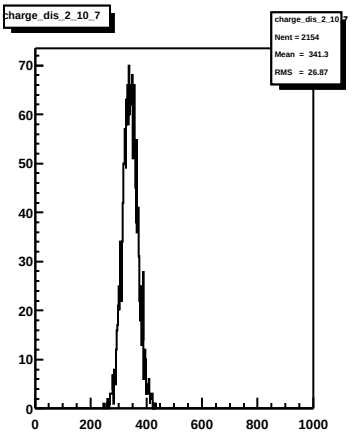

charge_dis_2_10_2
charge_dis_2_10_2
Nent = 2154
Mean = 256
RMS = 20.55


charge_dis_2_10_3
charge_dis_2_10_3
Nent = 2154
Mean = 382.7
RMS = 31.18


charge_dis_2_10_4
charge_dis_2_10_4
Nent = 2154
Mean = 240.3
RMS = 23.01


charge_dis_2_10_5
charge_dis_2_10_5
Nent = 2154
Mean = 210.1
RMS = 20.09


charge_dis_2_10_6
charge_dis_2_10_6
Nent = 2154
Mean = 242.4
RMS = 27.04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Nent = 2154
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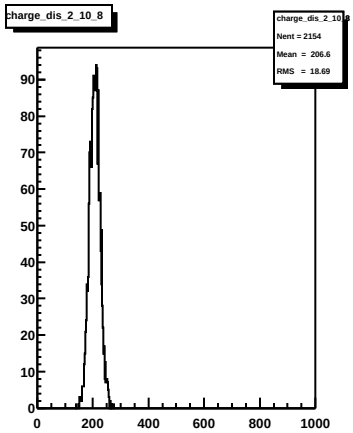
RMS = 26.87


charge_dis_2_10_8
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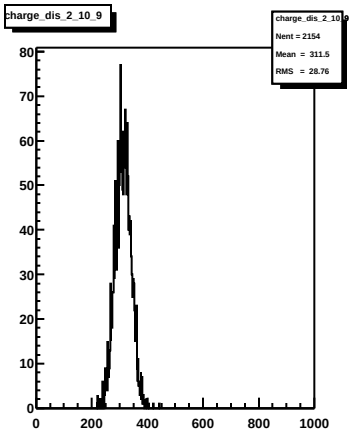
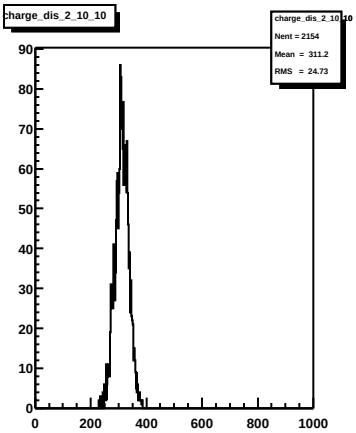
RMS = 18.69


charge_dis_2_10_9
charge_dis_2_10_9
Nent = 2154
Mean = 311.5
RMS = 28.76


charge_dis_2_10_10
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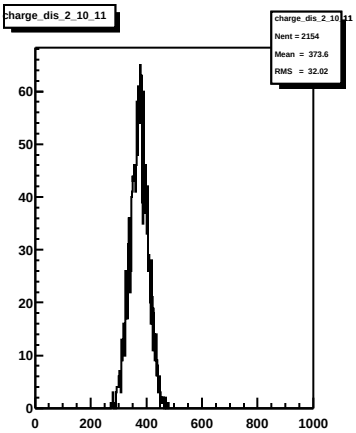
Mean = 311.2
RMS = 24.73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charge_dis_2_10_11
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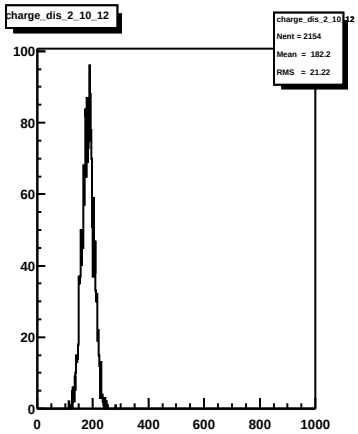
Mean = 373.6
RMS = 32.02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charge_dis_2_10_12
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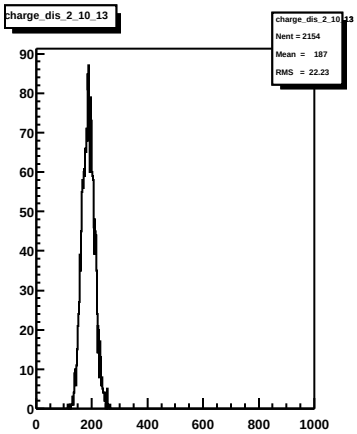
Mean = 182.2
RMS = 21.22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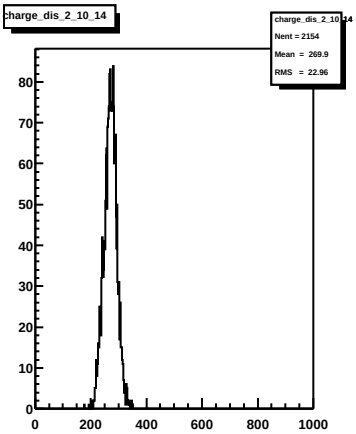
charge_dis_2_10_13
Nent = 2154
Mean = 187
RMS = 22.23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charge_dis_2_10_14
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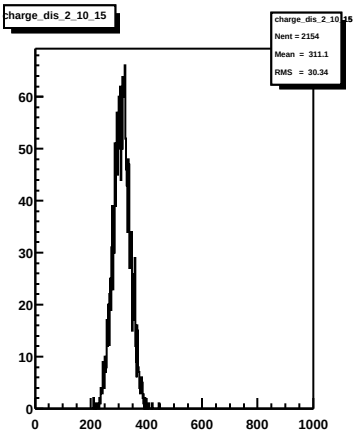
Mean = 269.9
RMS = 22.96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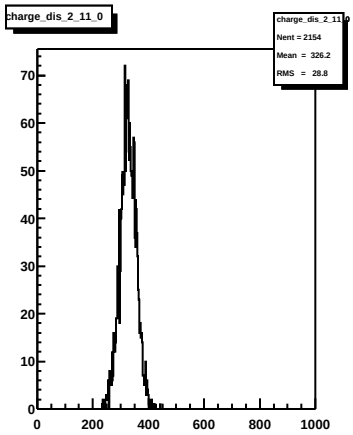
charge_dis_2_10_15
Nent = 2154
Mean = 311.1
RMS = 30.34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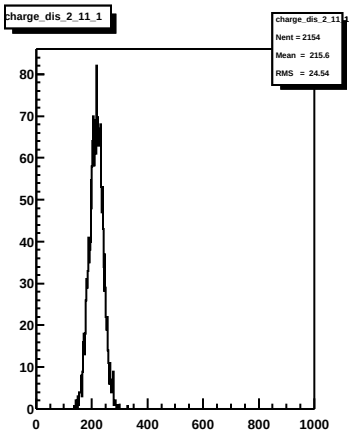
Mean = 326.2
RMS = 28.8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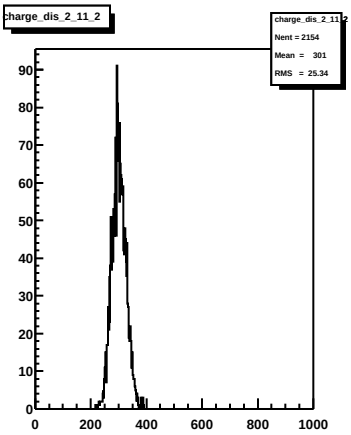
RMS = 24.54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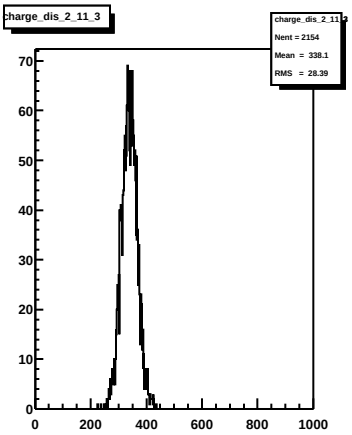
Nent = 2154
Mean = 301
RMS = 25.34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charge_dis_2_11_3
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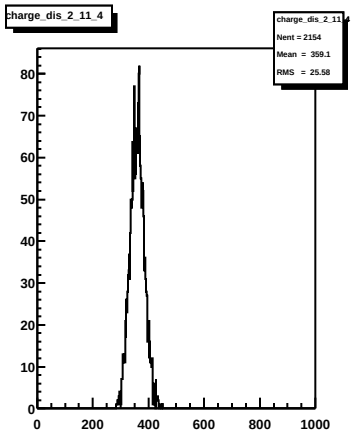
Mean = 338.1
RMS = 28.39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Mean = 359.1
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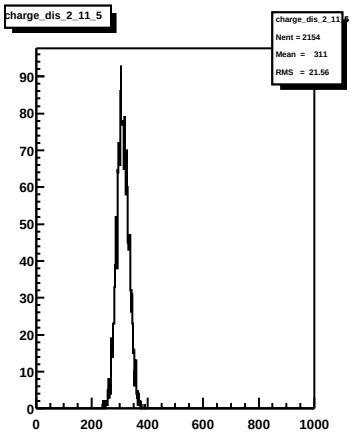
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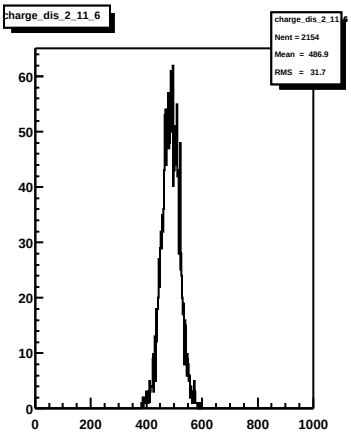
RMS = 21.56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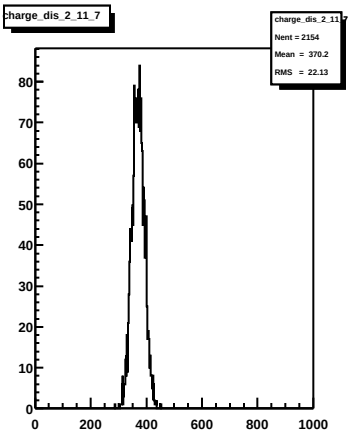
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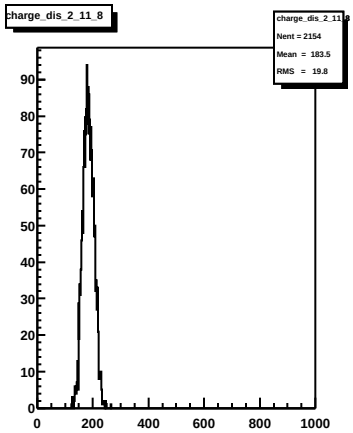
RMS = 22.13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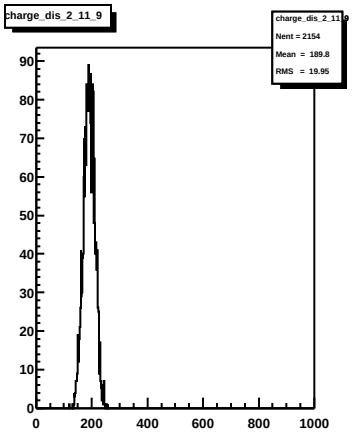
RMS = 19.8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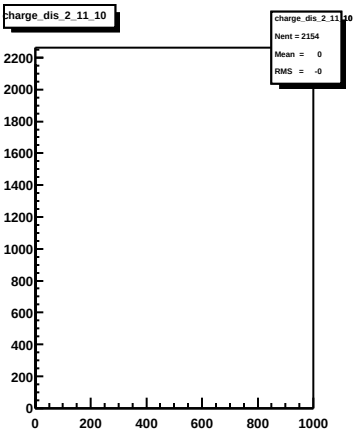
RMS = 19.95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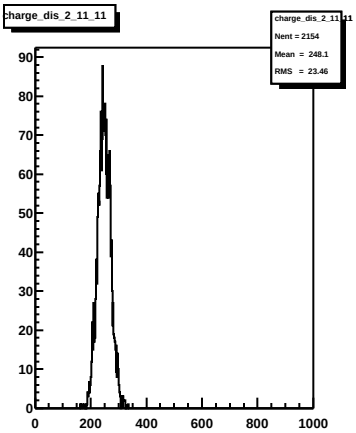
Nent = 2154
Mean = 0
RMS = -0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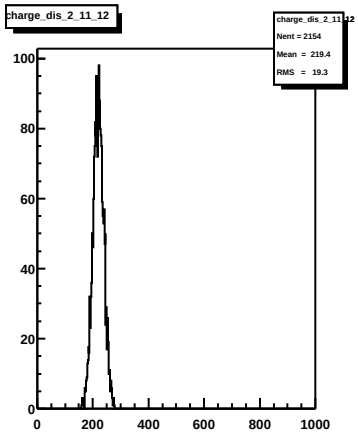
RMS = 23.46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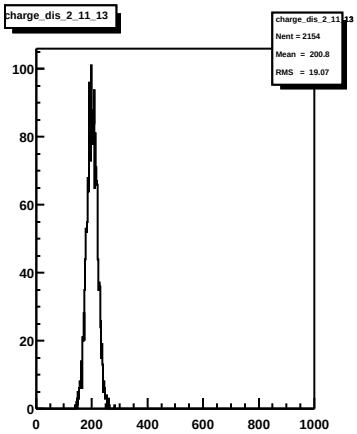
Mean = 219.4
RMS = 19.3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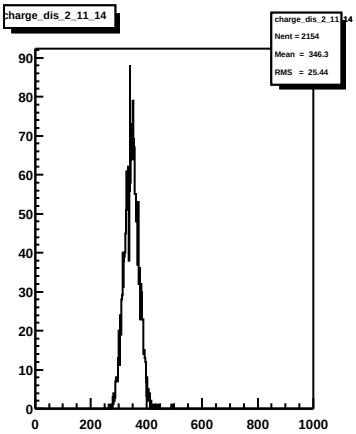
Mean = 200.8
RMS = 19.07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charge_dis_2_11_14
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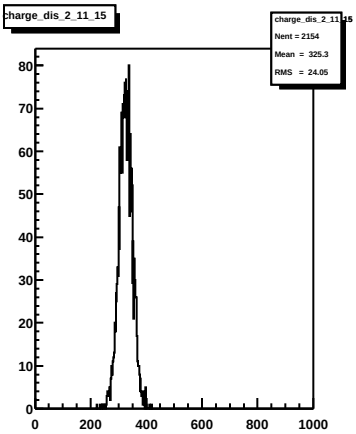
Mean = 346.3
RMS = 25.44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charge_dis_2_11_15
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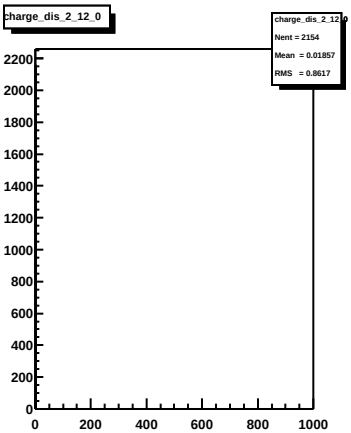
Mean = 325.3
RMS = 24.05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charge_dis_2_12_0
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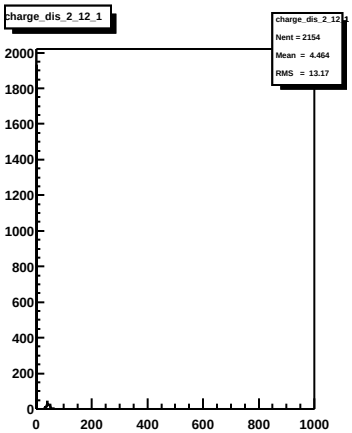
Mean = 0.01857
RMS = 0.8617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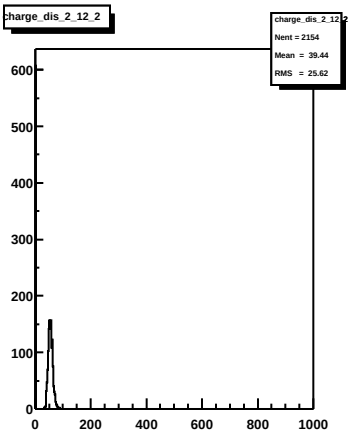
charge_dis_2_12_1
Nent = 2154
Mean = 4.464
RMS = 13.17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charge_dis_2_12_2
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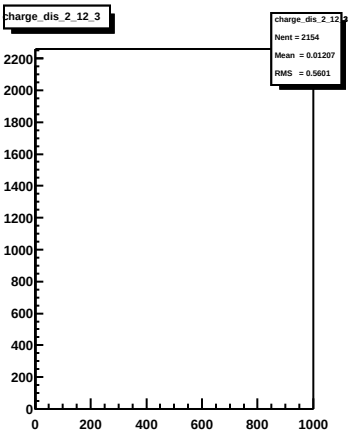
Mean = 39.44
RMS = 25.62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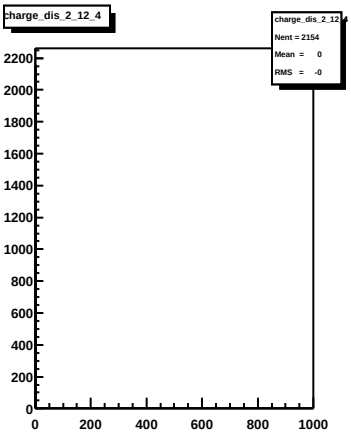
RMS = 0.5601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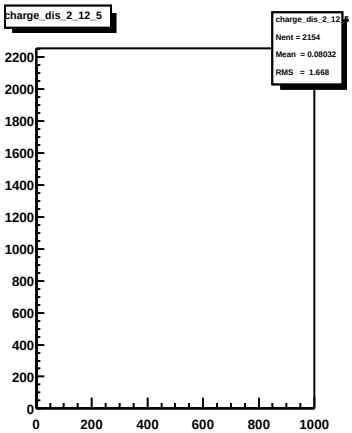
charge_dis_2_12_4
Nent = 2154
Mean = 0
RMS = -0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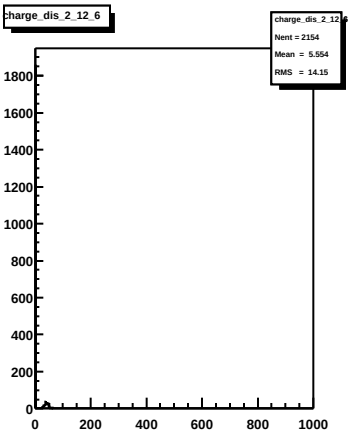
Mean = 0.08032
RMS = 1.668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charge_dis_2_12_6
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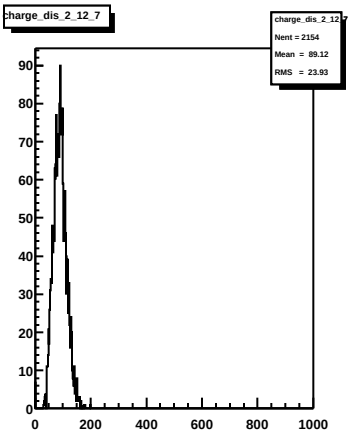
Mean = 5.554
RMS = 14.15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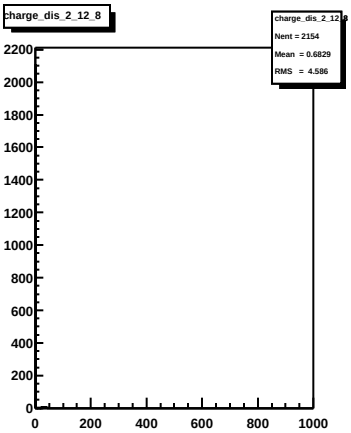
charge_dis_2_12_7
Nent = 2154
Mean = 89.12
RMS = 23.93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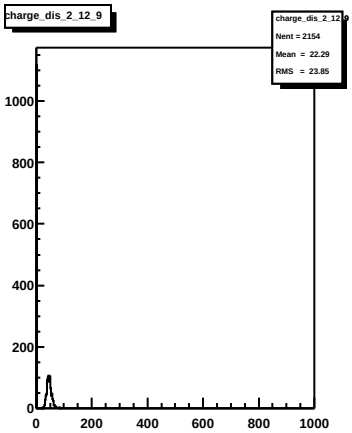
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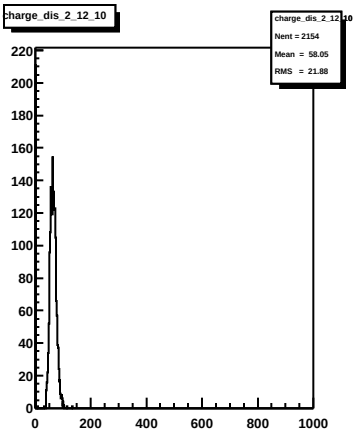
RMS = 23.85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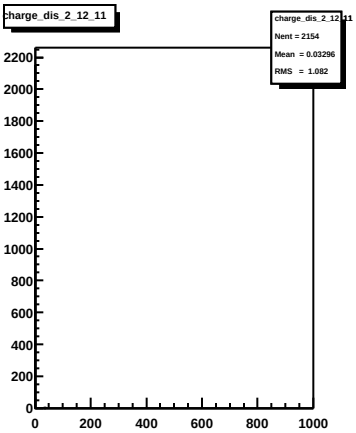
RMS = 21.88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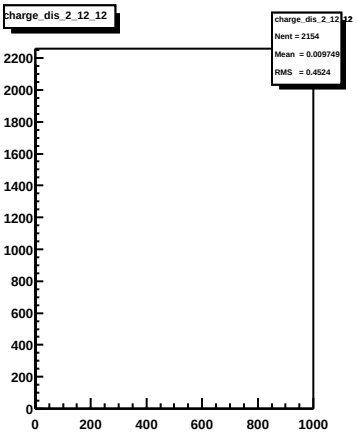
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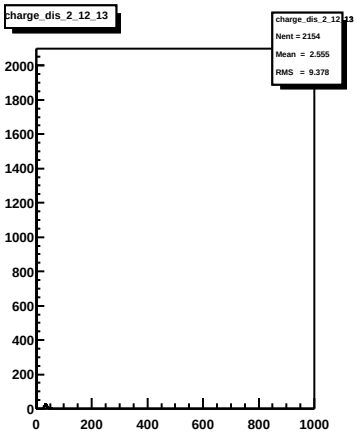
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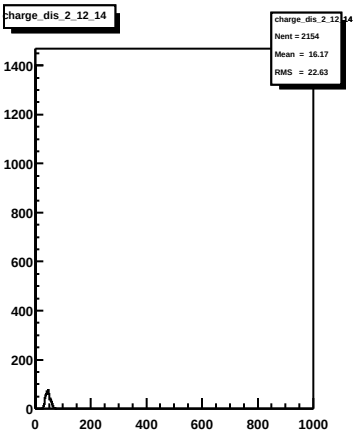
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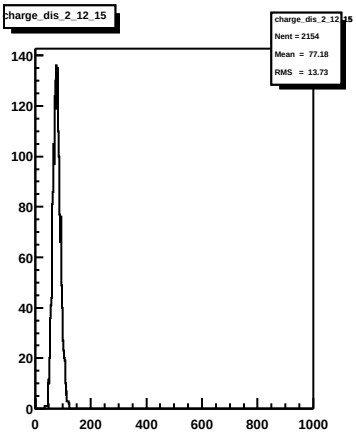
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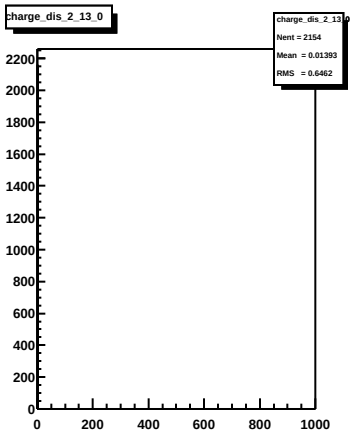
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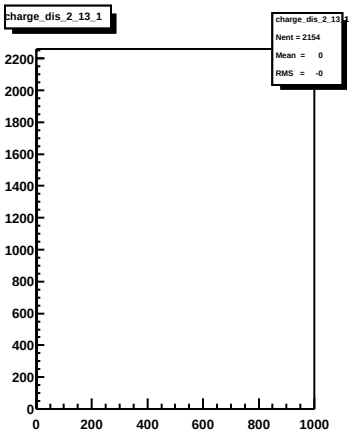
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charge_dis_2_13_1
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Mean = 0
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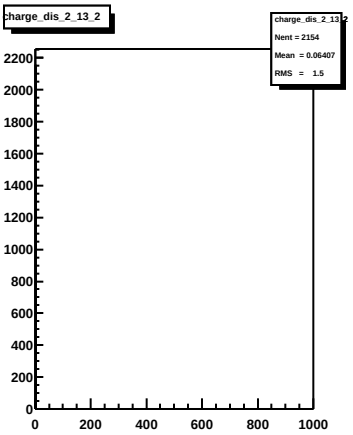
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charge_dis_2_13_2
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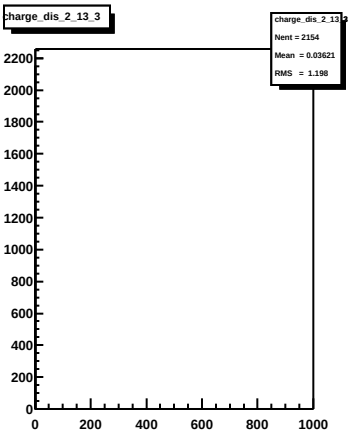
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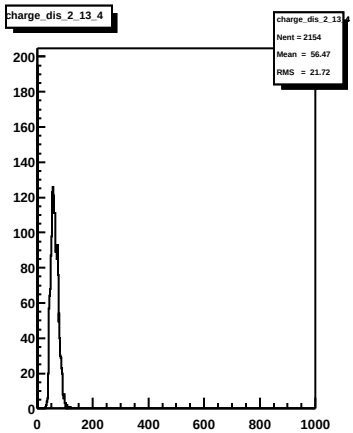
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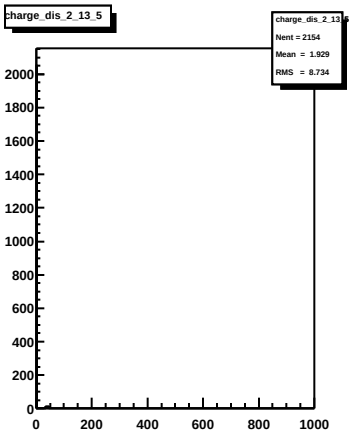
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charge_dis_2_13_5
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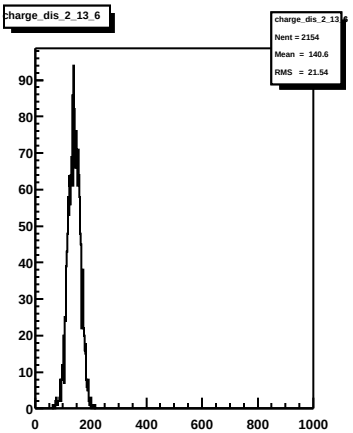
Mean = 1.929
RMS = 8.734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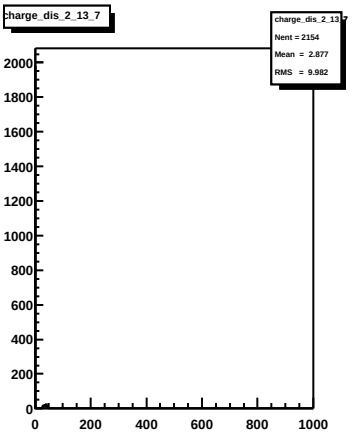
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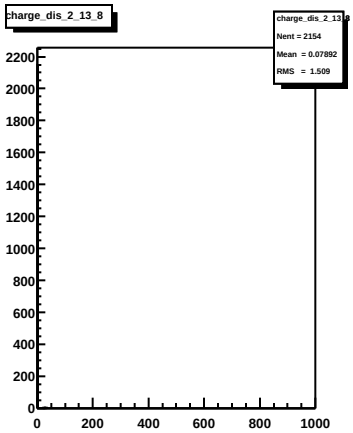
RMS = 9.982


charge_dis_2_13_8
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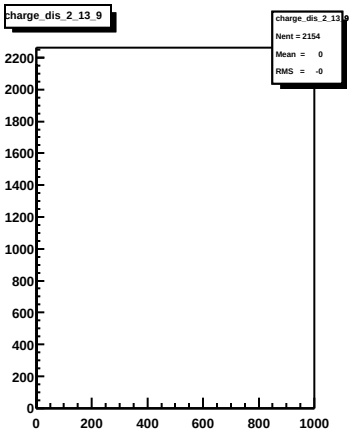
RMS = 1.509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charge_dis_2_13_9
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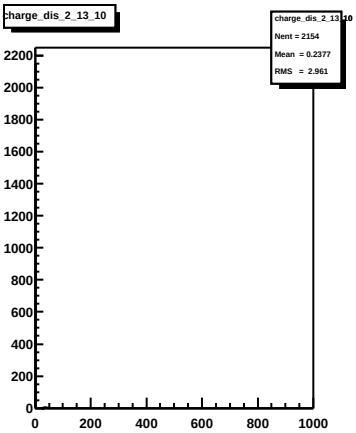
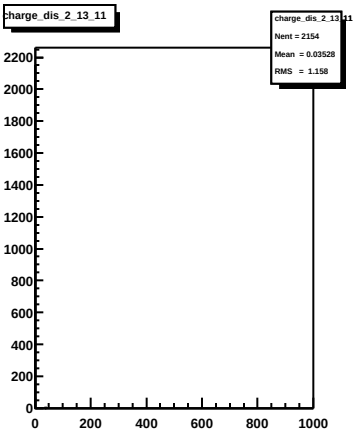
Mean = 0
RMS = -0


charge_dis_2_13_10
charge_dis_2_13_10
Nent = 2154
Mean = 0.2377
RMS = 2.961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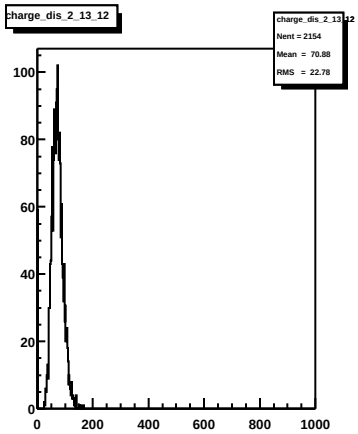
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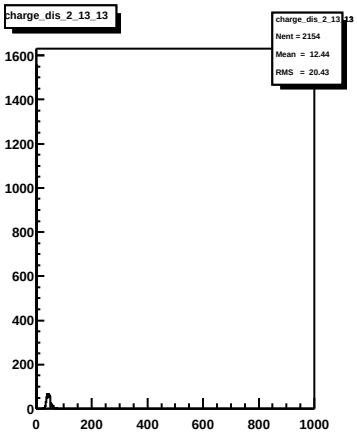
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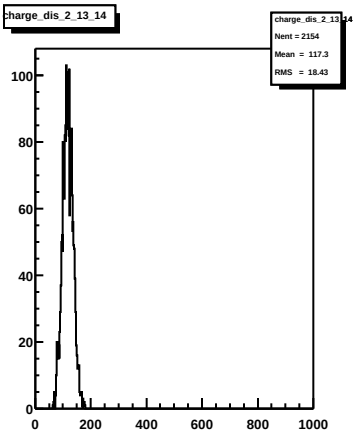
Mean = 12.44
RMS = 20.43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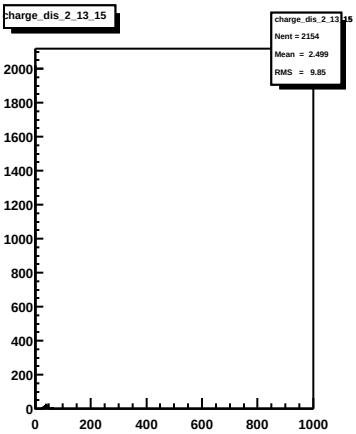
charge_dis_2_13_14
Nent = 2154
Mean = 117.3
RMS = 18.43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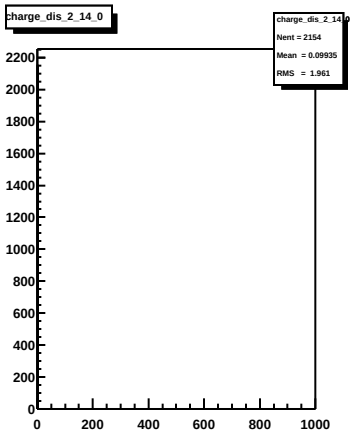
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charge_dis_2_14_0
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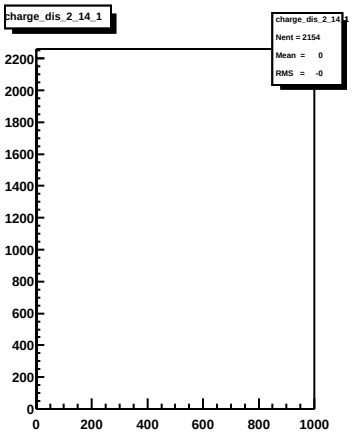
Mean = 0.09935
RMS = 1.961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charge_dis_2_14_1
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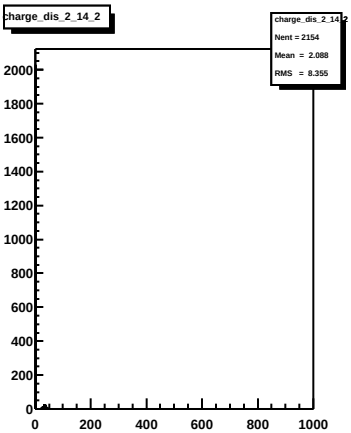
Mean = 0
RMS = -0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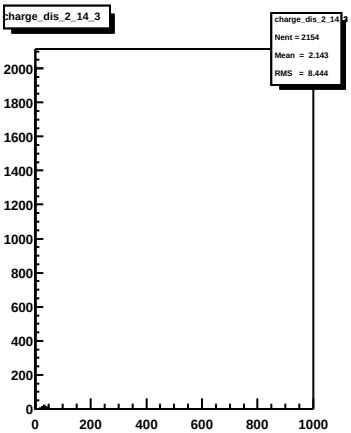
Mean = 2.088
RMS = 8.355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charge_dis_2_14_3
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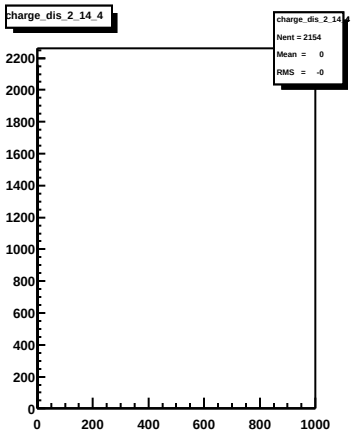
Mean = 2.143
RMS = 8.444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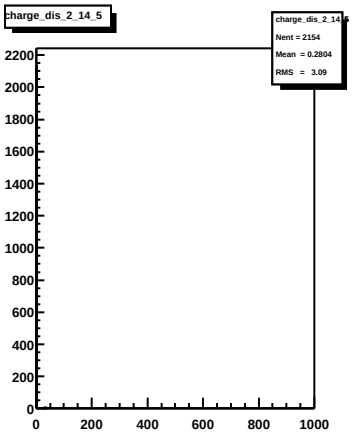
charge_dis_2_14_4
Nent = 2154
Mean = 0
RMS = -0


charge_dis_2_14_5
charge_dis_2_14_5
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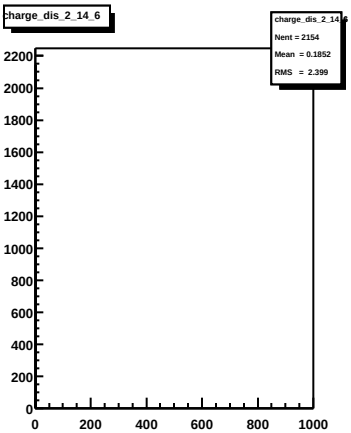
Mean = 0.2804
RMS = 3.09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charge_dis_2_14_6
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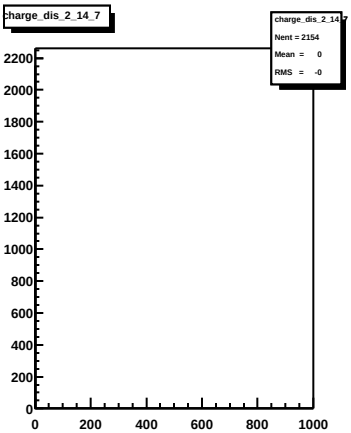
RMS = 2.399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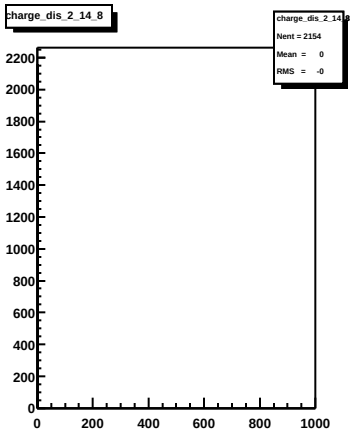
charge_dis_2_14_7
Nent = 2154
Mean = 0
RMS = -0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charge_dis_2_14_8
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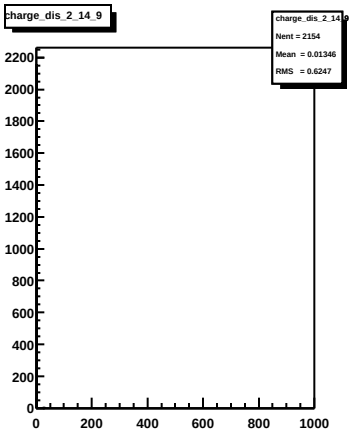
Mean = 0
RMS = -0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charge_dis_2_14_9
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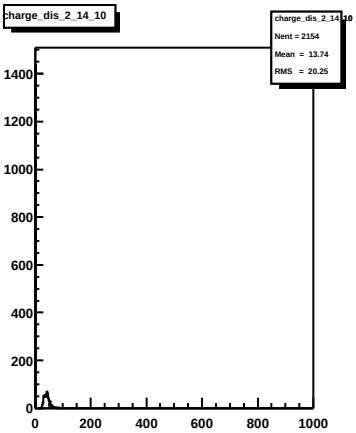
Mean = 0.01346
RMS = 0.6247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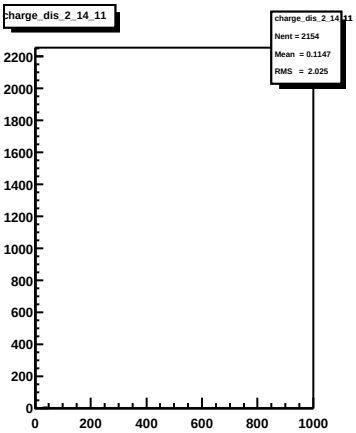
charge_dis_2_14_10
Nent = 2154
Mean = 13.74
RMS = 20.25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charge_dis_2_14_11
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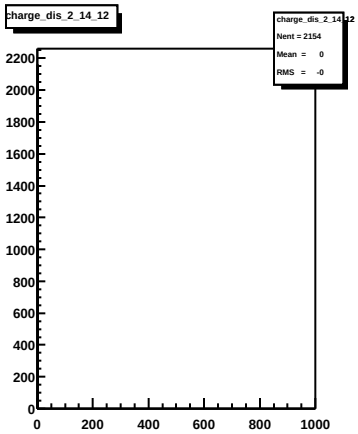
RMS = 2.025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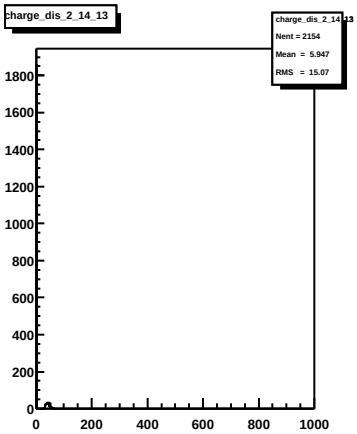
charge_dis_2_14_12
Nent = 2154
Mean = 0
RMS = -0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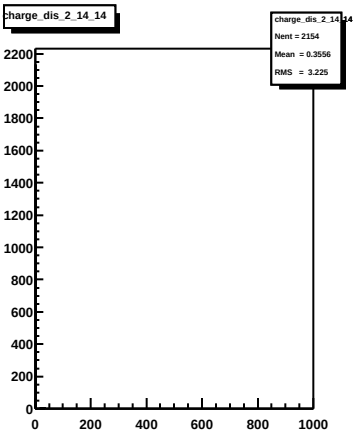
charge_dis_2_14_13
Nent = 2154
Mean = 5.947
RMS = 15.07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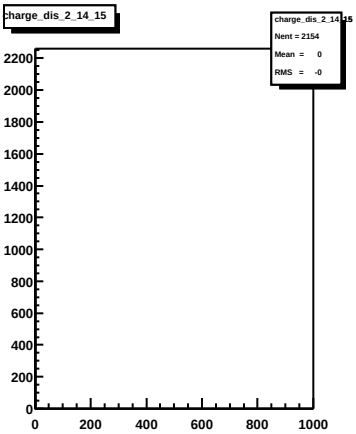
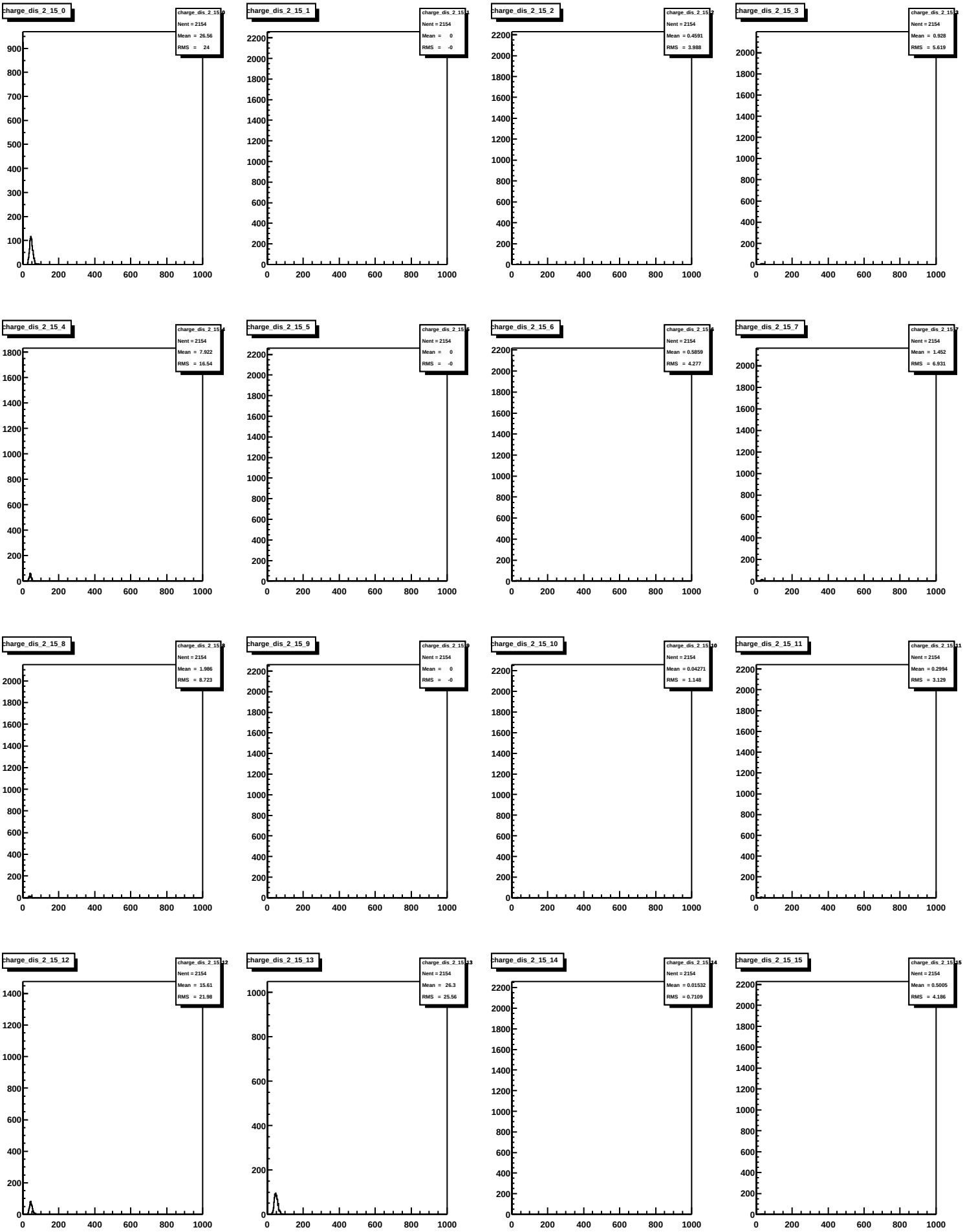
charge_dis_2_14_14
Nent = 2154
Mean = 0.3556
RMS = 3.225


charge_dis_2_14_15
charge_dis_2_14_15
Nent = 2154
Mean = 0
RMS = -0


charge_dis_2_15_0
charge_dis_2_15_0
Nent = 2154
Mean = 26.56
RMS = 24
charge_dis_2_15_1
charge_dis_2_15_1
Nent = 2154
Mean = 0
RMS = -0
charge_dis_2_15_2
charge_dis_2_15_2
Nent = 2154
Mean = 0.4591
RMS = 3.988
charge_dis_2_15_3
charge_dis_2_15_3
Nent = 2154
Mean = 0.928
RMS = 5.619
charge_dis_2_15_4
charge_dis_2_15_4
Nent = 2154
Mean = 7.922
RMS = 16.54
charge_dis_2_15_5
charge_dis_2_15_5
Nent = 2154
Mean = 0
RMS = -0
charge_dis_2_15_6
charge_dis_2_15_6
Nent = 2154
Mean = 0.5859
RMS = 4.277
charge_dis_2_15_7
charge_dis_2_15_7
Nent = 2154
Mean = 1.452
RMS = 6.931
charge_dis_2_15_8
charge_dis_2_15_8
Nent = 2154
Mean = 1.986
RMS = 8.723
charge_dis_2_15_9
charge_dis_2_15_9
Nent = 2154
Mean = 0
RMS = -0
charge_dis_2_15_10
charge_dis_2_15_10
Nent = 2154
Mean = 0.04271
RMS = 1.148
charge_dis_2_15_11
charge_dis_2_15_11
Nent = 2154
Mean = 0.2994
RMS = 3.129
charge_dis_2_15_12
charge_dis_2_15_12
Nent = 2154
Mean = 15.61
RMS = 21.98
charge_dis_2_15_13
charge_dis_2_15_13
Nent = 2154
Mean = 26.3
RMS = 25.56
charge_dis_2_15_14
charge_dis_2_15_14
Nent = 2154
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charge_dis_2_15_15
charge_dis_2_15_15
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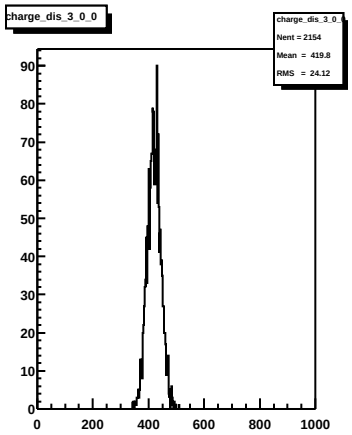
RMS = 4.186


charge_dis_3_0_0
charge_dis_3_0_
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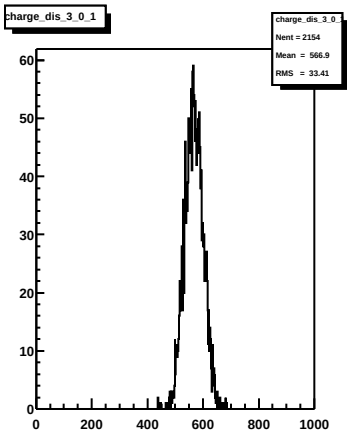
RMS = 24.12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charge_dis_3_0_
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Mean = 566.9
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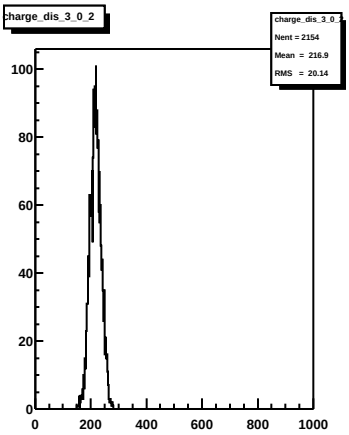
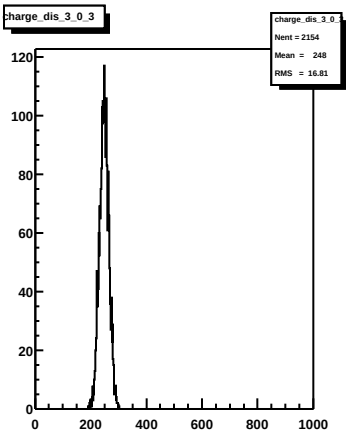
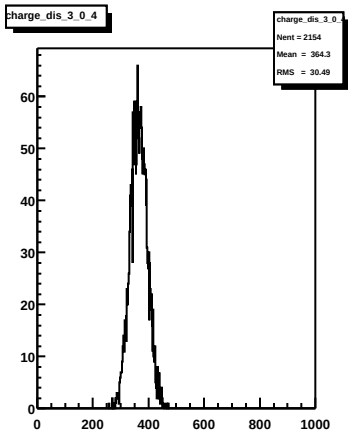

charge_dis_3_0_2
charge_dis_3_0_
Nent = 2154
Mean = 216.9
RMS = 20.14


charge_dis_3_0_3
charge_dis_3_0_
Nent = 2154
Mean = 248
RMS = 16.81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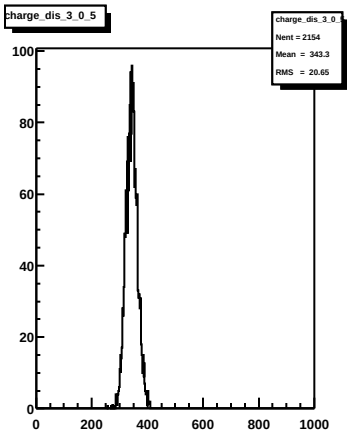
charge_dis_3_0_
Nent = 2154
Mean = 364.3
RMS = 30.49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charge_dis_3_0_
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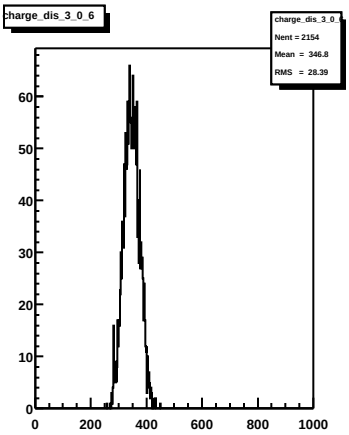
Mean = 343.3
RMS = 20.65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Mean = 346.8
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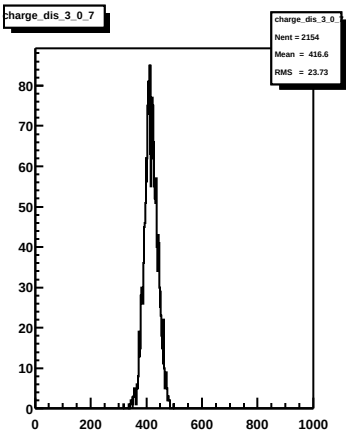
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charge_dis_3_0_
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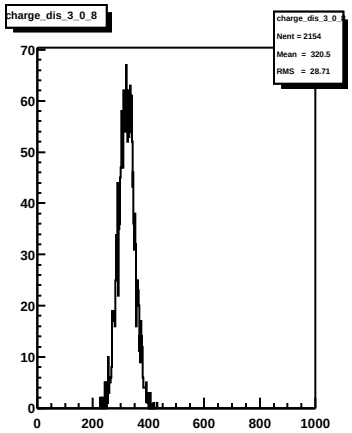
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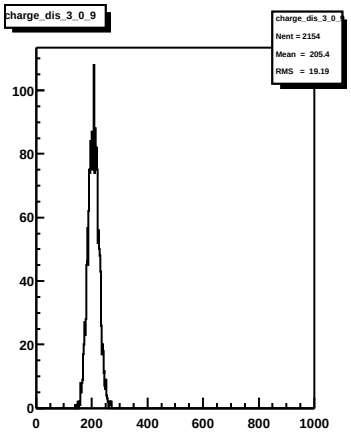
charge_dis_3_0_
Nent = 2154
Mean = 320.5
RMS = 28.71


charge_dis_3_0_9
charge_dis_3_0_
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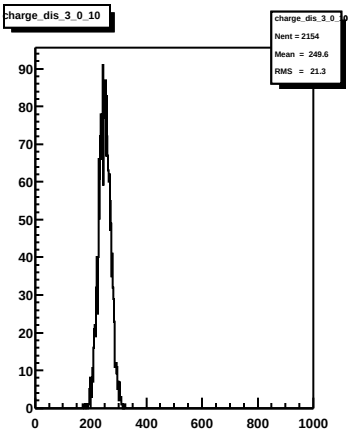
RMS = 19.19


charge_dis_3_0_10
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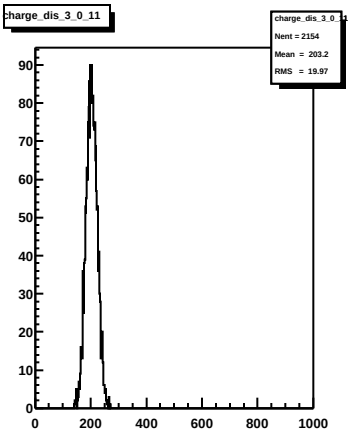
Mean = 249.6
RMS = 21.3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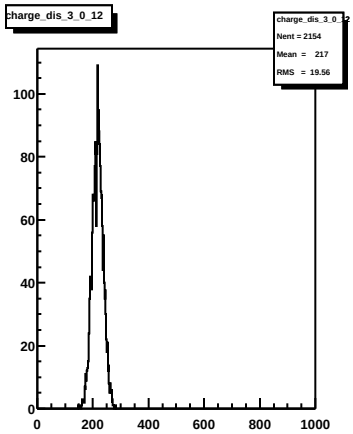
RMS = 19.97


charge_dis_3_0_12
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Mean = 217
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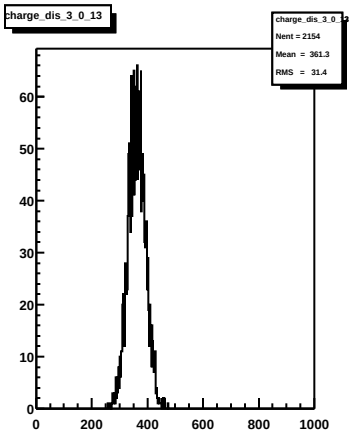
charge_dis_3_0_13
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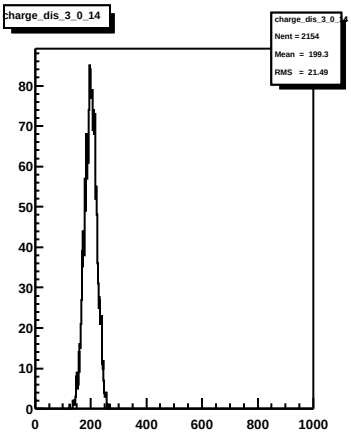
RMS = 31.4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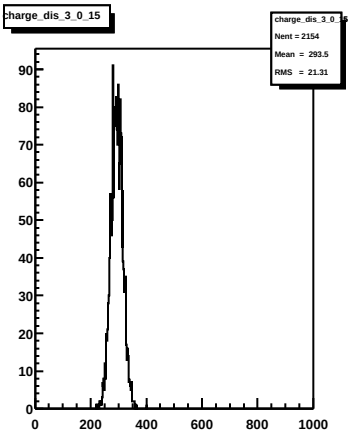
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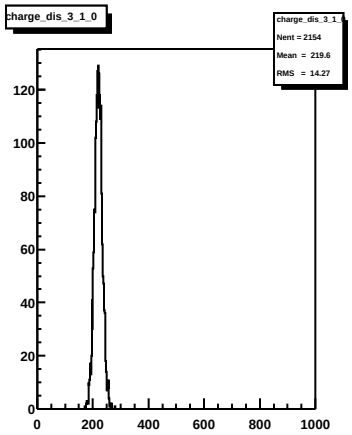
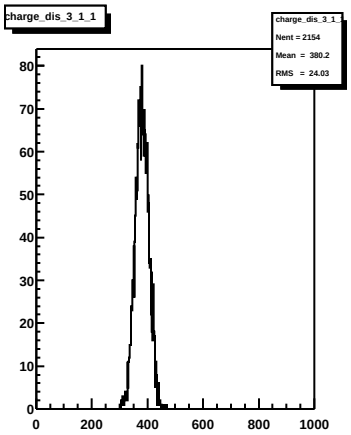
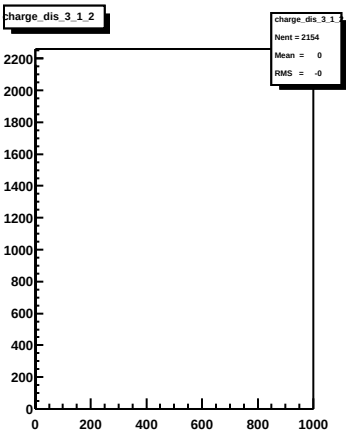
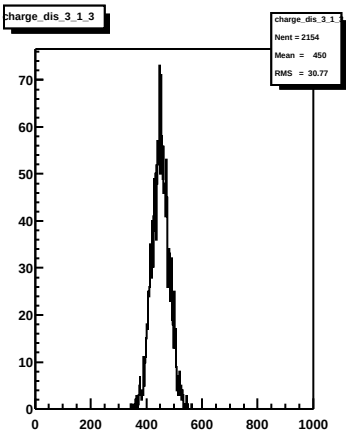
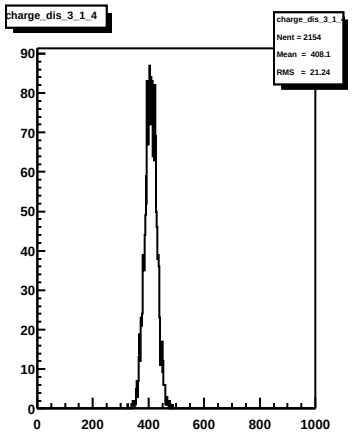
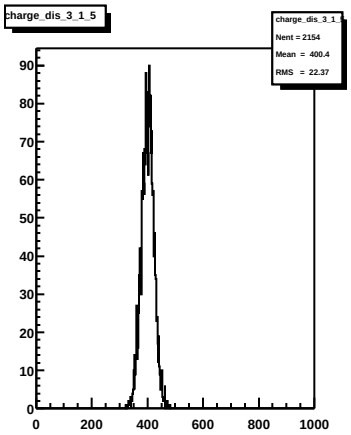

charge_dis_3_1_0
charge_dis_3_1_
Nent = 2154
Mean = 219.6
RMS = 14.27

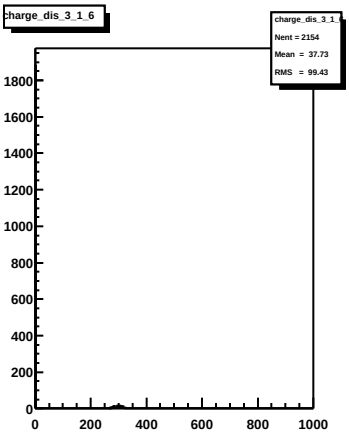

charge_dis_3_1_1
charge_dis_3_1_
Nent = 2154
Mean = 380.2
RMS = 24.03

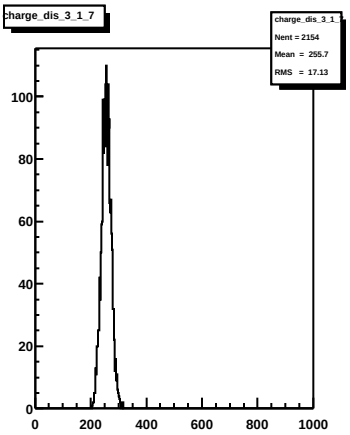

charge_dis_3_1_2
charge_dis_3_1_
Nent = 2154
Mean = 0
RMS = -0

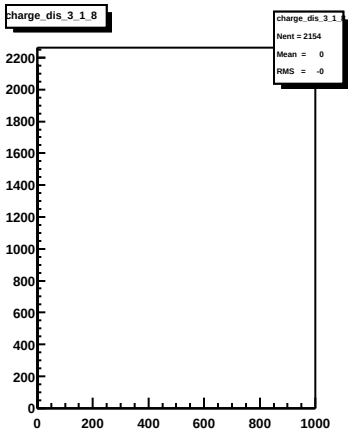

charge_dis_3_1_3
charge_dis_3_1_
Nent = 2154
Mean = 450
RMS = 30.77

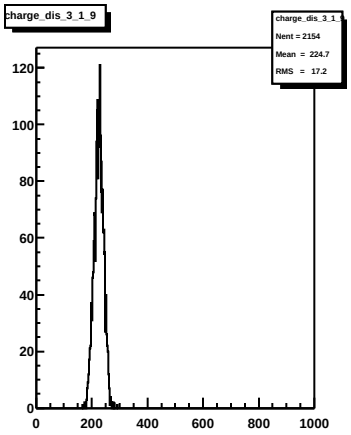

charge_dis_3_1_4
charge_dis_3_1_
Nent = 2154
Mean = 408.1
RMS = 21.24

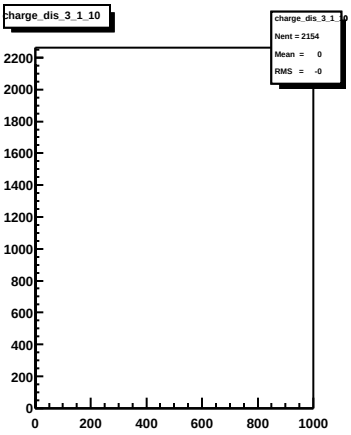

charge_dis_3_1_5
charge_dis_3_1_
Nent = 2154
Mean = 400.4
RMS = 22.37

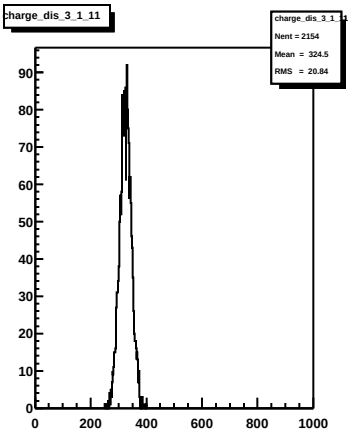

charge_dis_3_1_6
charge_dis_3_1_
Nent = 2154
Mean = 37.73
RMS = 99.43

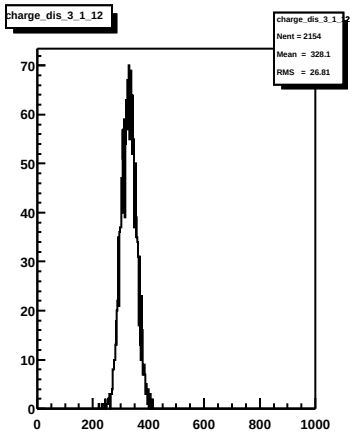

charge_dis_3_1_7
charge_dis_3_1_
Nent = 2154
Mean = 255.7
RMS = 17.13

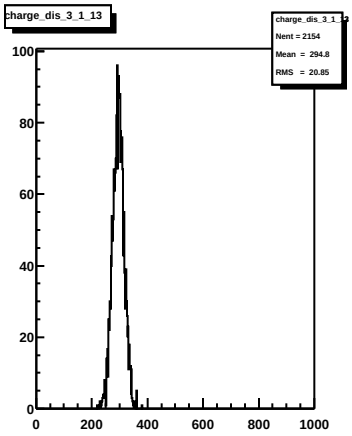

charge_dis_3_1_8
charge_dis_3_1_
Nent = 2154
Mean = 0
RMS = -0

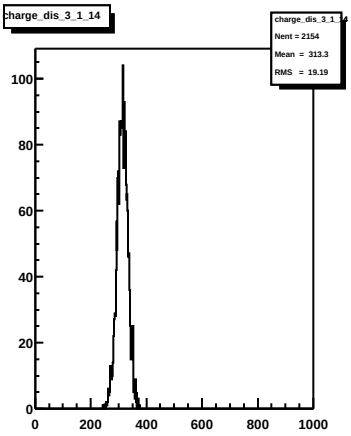

charge_dis_3_1_9
charge_dis_3_1_
Nent = 2154
Mean = 224.7
RMS = 17.2

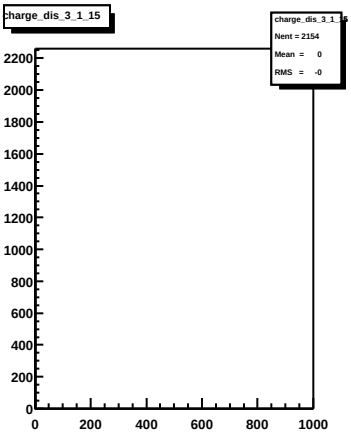

charge_dis_3_1_10
Nent = 2154
Mean = 0
RMS = -0

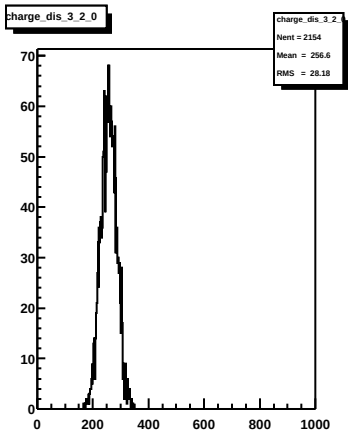

charge_dis_3_1_11
Nent = 2154
Mean = 324.5
RMS = 20.84

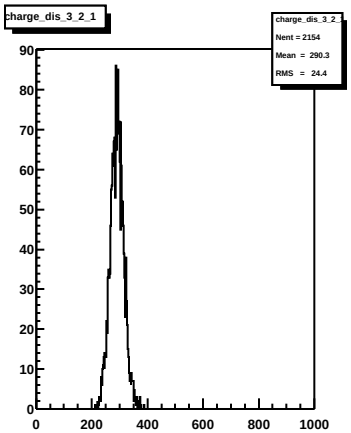

charge_dis_3_1_12
Nent = 2154
Mean = 328.1
RMS = 26.81

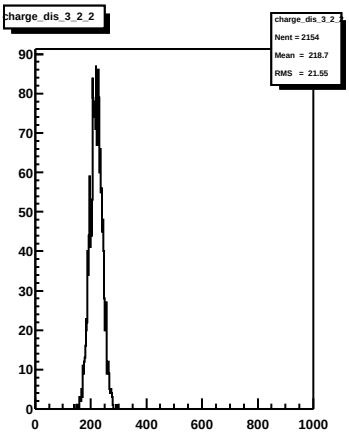

charge_dis_3_1_13
Nent = 2154
Mean = 294.8
RMS = 20.85

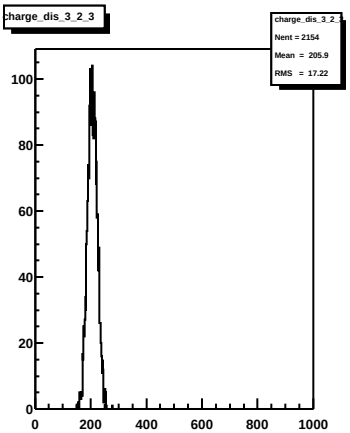

charge_dis_3_1_14
Nent = 2154
Mean = 313.3
RMS = 19.19

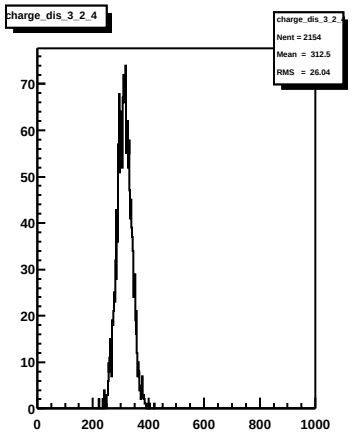

charge_dis_3_1_15
Nent = 2154
Mean = 0
RMS = -0

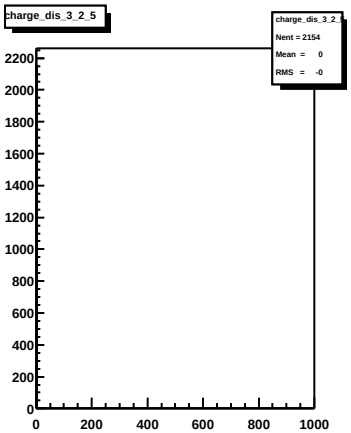

charge_dis_3_2_0
charge_dis_3_2_
Nent = 2154
Mean = 256.6
RMS = 28.18

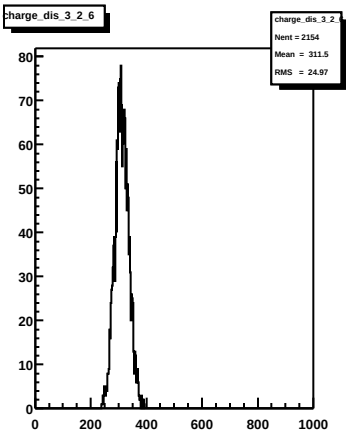

charge_dis_3_2_1
charge_dis_3_2_
Nent = 2154
Mean = 290.3
RMS = 24.4

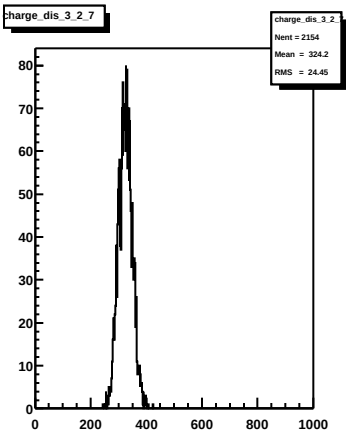

charge_dis_3_2_2
charge_dis_3_2_
Nent = 2154
Mean = 218.7
RMS = 21.55

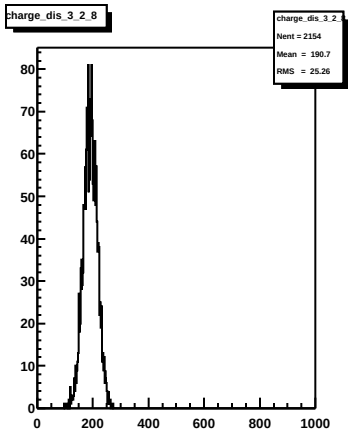

charge_dis_3_2_3
charge_dis_3_2_
Nent = 2154
Mean = 205.9
RMS = 17.22

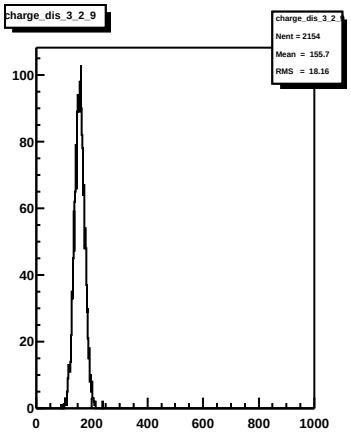

charge_dis_3_2_4
charge_dis_3_2_
Nent = 2154
Mean = 312.5
RMS = 26.04

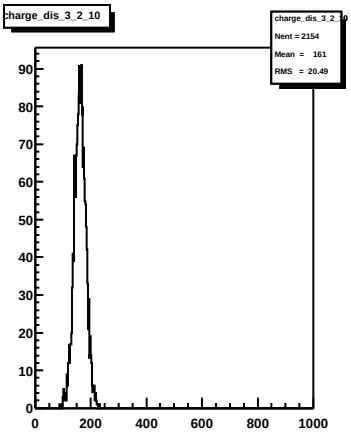

charge_dis_3_2_5
charge_dis_3_2_
Nent = 2154
Mean = 0
RMS = -0

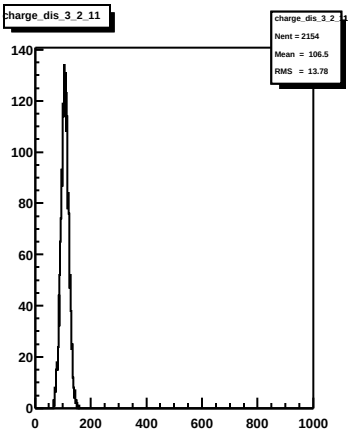

charge_dis_3_2_6
charge_dis_3_2_
Nent = 2154
Mean = 311.5
RMS = 24.97

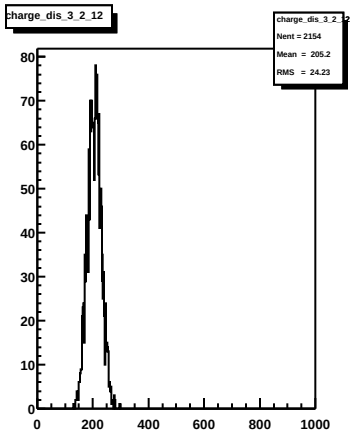

charge_dis_3_2_7
charge_dis_3_2_
Nent = 2154
Mean = 324.2
RMS = 24.45

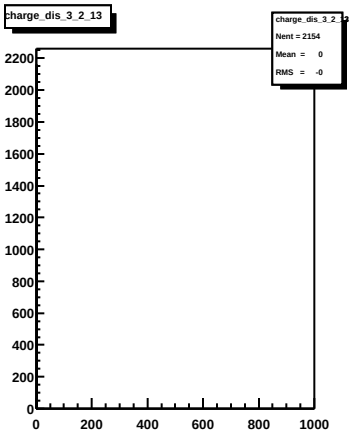

charge_dis_3_2_8
charge_dis_3_2_
Nent = 2154
Mean = 190.7
RMS = 25.26

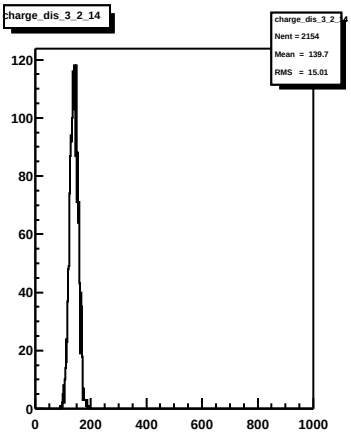

charge_dis_3_2_9
charge_dis_3_2_
Nent = 2154
Mean = 155.7
RMS = 18.16

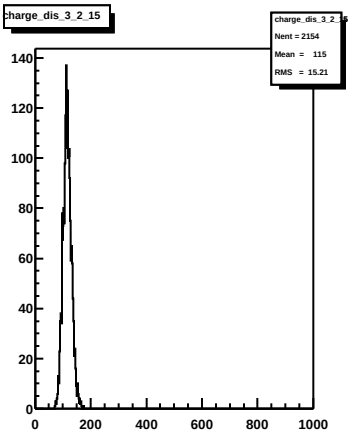

charge_dis_3_2_10
Nent = 2154
Mean = 161
RMS = 20.49

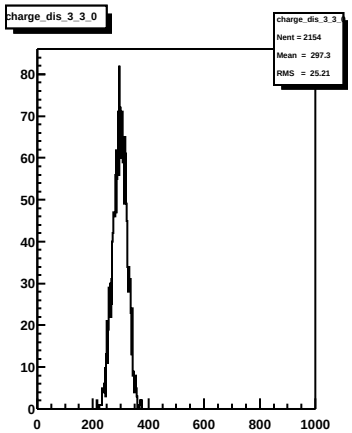

charge_dis_3_2_11
Nent = 2154
Mean = 106.5
RMS = 13.78

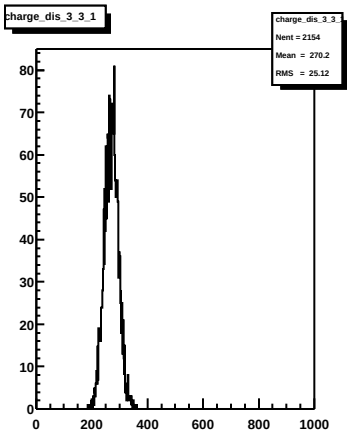

charge_dis_3_2_12
Nent = 2154
Mean = 205.2
RMS = 24.23

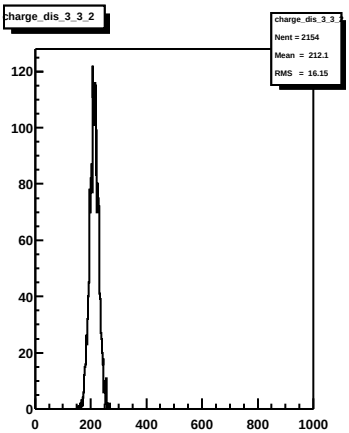

charge_dis_3_2_13
Nent = 2154
Mean = 0
RMS = -0

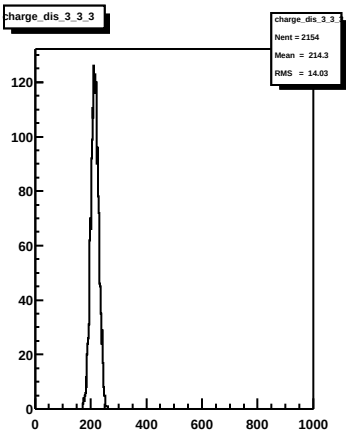

charge_dis_3_2_14
Nent = 2154
Mean = 139.7
RMS = 15.01

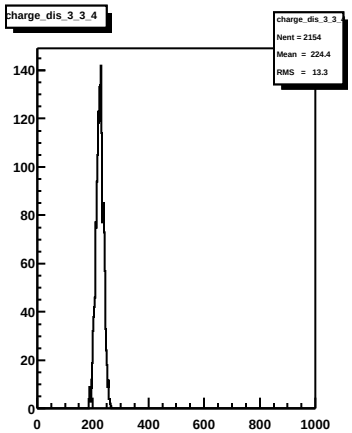

charge_dis_3_2_15
Nent = 2154
Mean = 115
RMS = 15.21

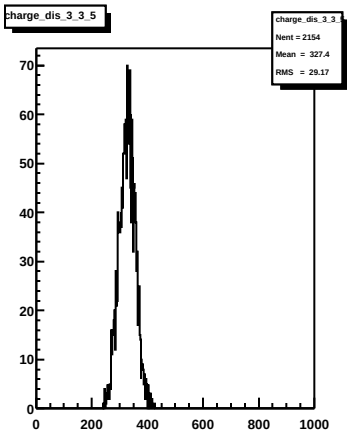

charge_dis_3_3_0
charge_dis_3_3_
Nent = 2154
Mean = 297.3
RMS = 25.21

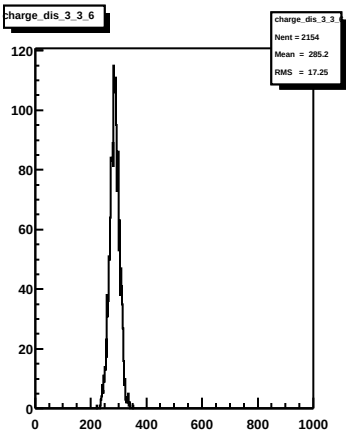

charge_dis_3_3_1
charge_dis_3_3_
Nent = 2154
Mean = 270.2
RMS = 25.12

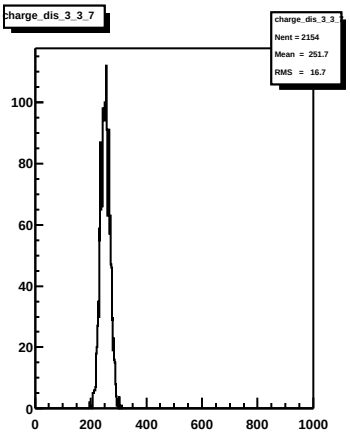

charge_dis_3_3_2
charge_dis_3_3_
Nent = 2154
Mean = 212.1
RMS = 16.15

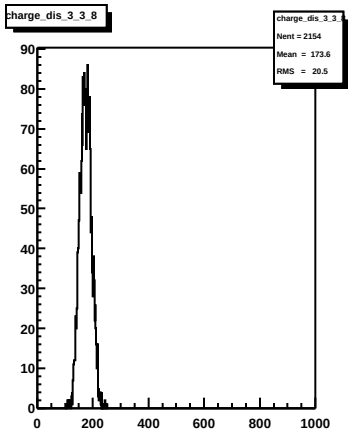

charge_dis_3_3_3
charge_dis_3_3_
Nent = 2154
Mean = 214.3
RMS = 14.03

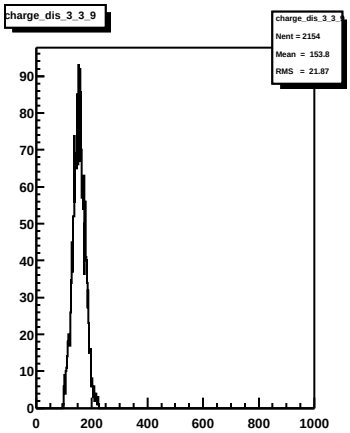

charge_dis_3_3_4
charge_dis_3_3_
Nent = 2154
Mean = 224.4
RMS = 13.3

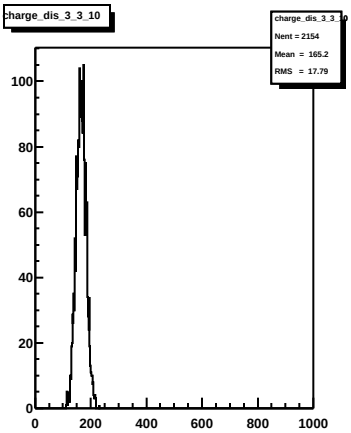

charge_dis_3_3_5
charge_dis_3_3_
Nent = 2154
Mean = 327.4
RMS = 29.17

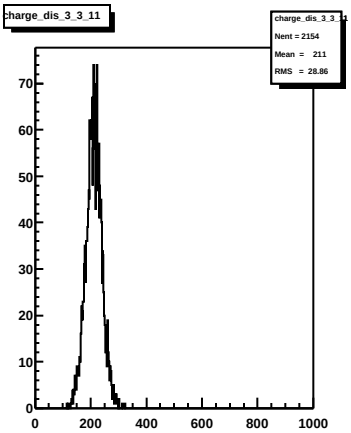

charge_dis_3_3_6
charge_dis_3_3_
Nent = 2154
Mean = 285.2
RMS = 17.25

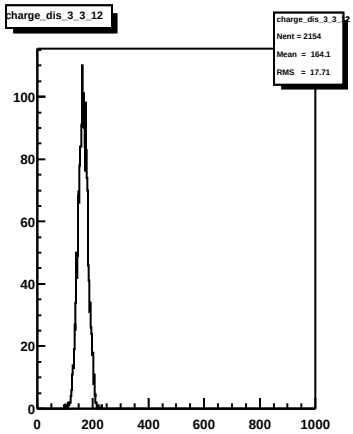

charge_dis_3_3_7
charge_dis_3_3_
Nent = 2154
Mean = 251.7
RMS = 16.7

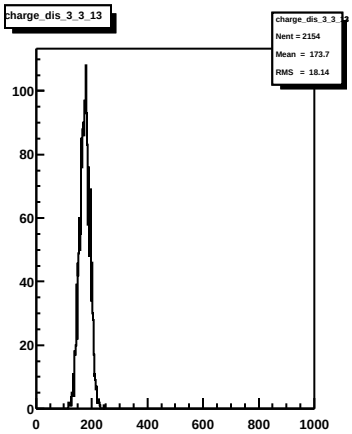

charge_dis_3_3_8
charge_dis_3_3_
Nent = 2154
Mean = 173.6
RMS = 20.5

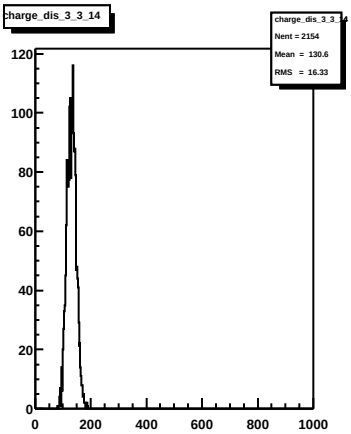

charge_dis_3_3_9
charge_dis_3_3_
Nent = 2154
Mean = 153.8
RMS = 21.87

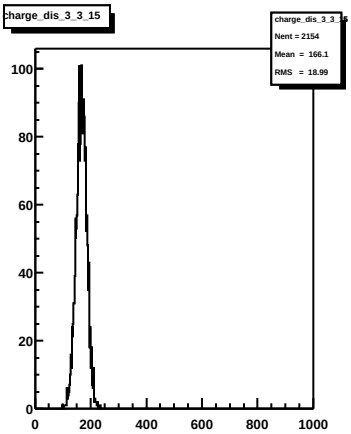

charge_dis_3_3_10
Nent = 2154
Mean = 165.2
RMS = 17.79

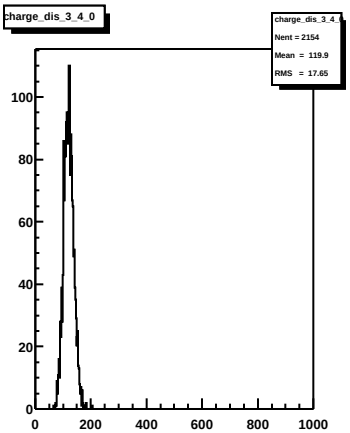

charge_dis_3_3_11
Nent = 2154
Mean = 211
RMS = 28.86

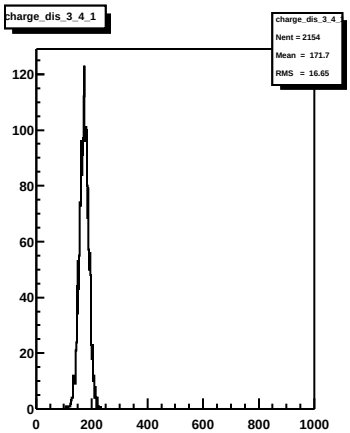

charge_dis_3_3_12
Nent = 2154
Mean = 164.1
RMS = 17.71

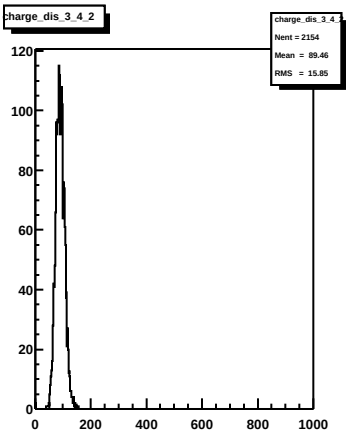

charge_dis_3_3_13
Nent = 2154
Mean = 173.7
RMS = 18.14


charge_dis_3_3_14
Nent = 2154
Mean = 130.6
RMS = 16.33


charge_dis_3_3_15
Nent = 2154
Mean = 166.1
RMS = 18.99


charge_dis_3_4_0
charge_dis_3_4_
Nent = 2154
Mean = 119.9
RMS = 17.65


charge_dis_3_4_1
charge_dis_3_4_
Nent = 2154
Mean = 171.7
RMS = 16.65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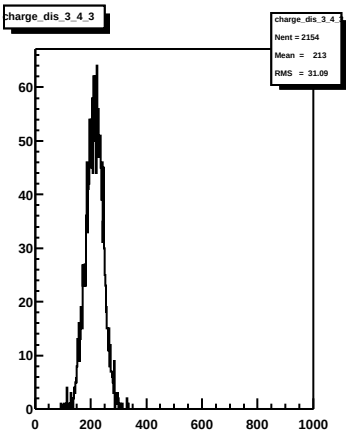
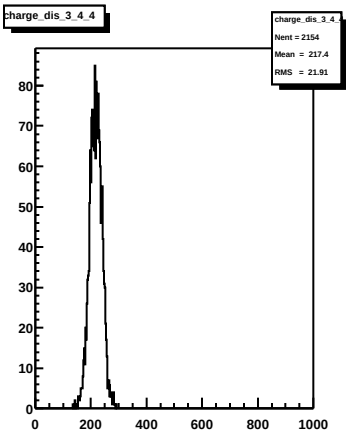
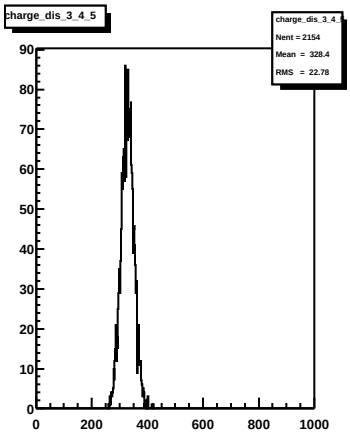
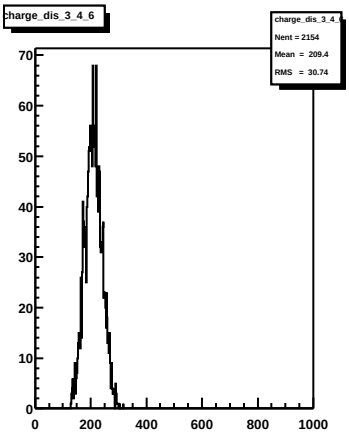
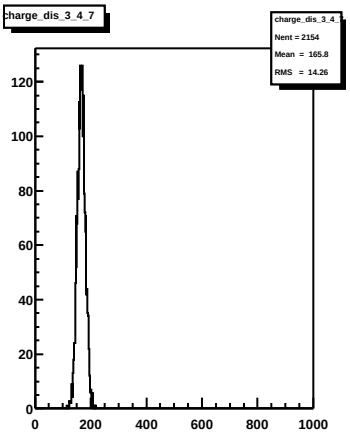
charge_dis_3_4_
Nent = 2154
Mean = 89.46
RMS = 15.85

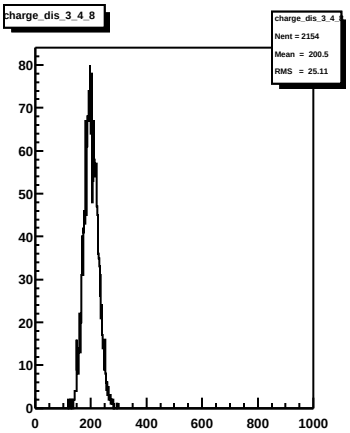

charge_dis_3_4_3
charge_dis_3_4_
Nent = 2154
Mean = 213
RMS = 31.09

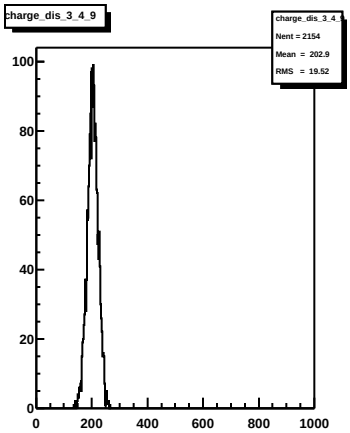

charge_dis_3_4_4
charge_dis_3_4_
Nent = 2154
Mean = 217.4
RMS = 21.91

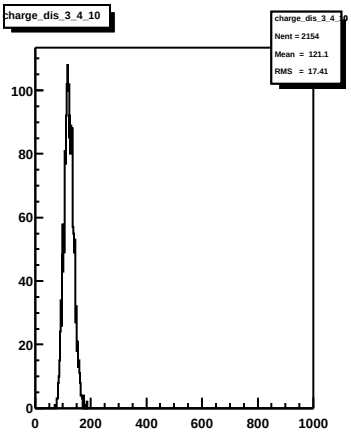

charge_dis_3_4_5
charge_dis_3_4_
Nent = 2154
Mean = 328.4
RMS = 22.78

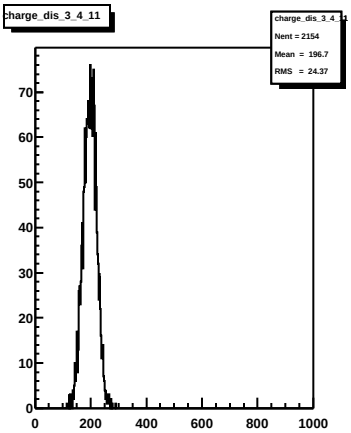

charge_dis_3_4_6
charge_dis_3_4_
Nent = 2154
Mean = 209.4
RMS = 30.74

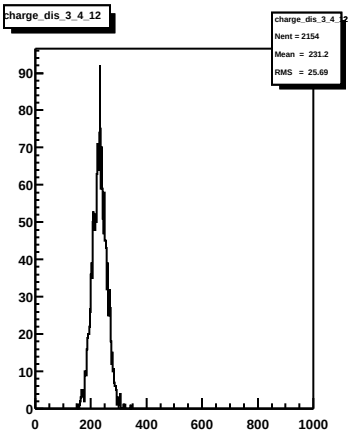

charge_dis_3_4_7
charge_dis_3_4_
Nent = 2154
Mean = 165.8
RMS = 14.26

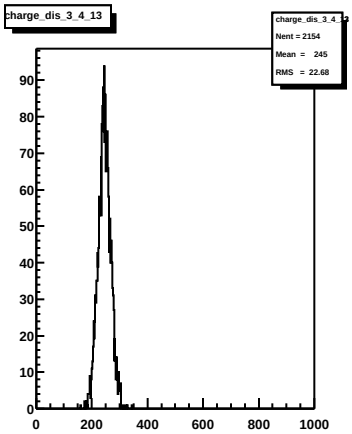

charge_dis_3_4_8
charge_dis_3_4_
Nent = 2154
Mean = 200.5
RMS = 25.11

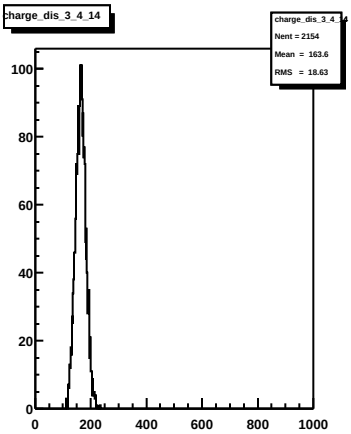

charge_dis_3_4_9
charge_dis_3_4_
Nent = 2154
Mean = 202.9
RMS = 19.52

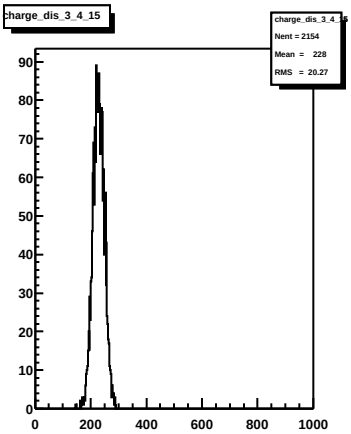

charge_dis_3_4_10
Nent = 2154
Mean = 121.1
RMS = 17.41

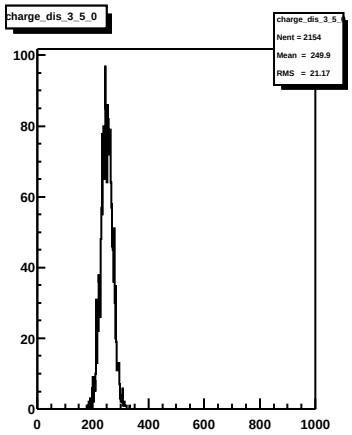

charge_dis_3_4_11
charge_dis_3_4_
Nent = 2154
Mean = 196.7
RMS = 24.37

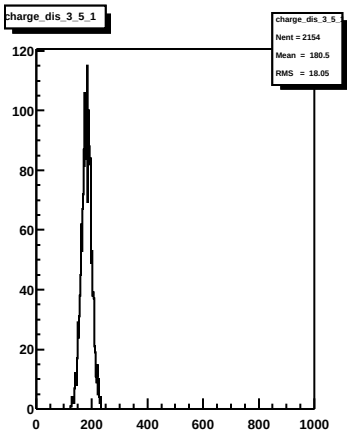

charge_dis_3_4_12
Nent = 2154
Mean = 231.2
RMS = 25.69


charge_dis_3_4_13
Nent = 2154
Mean = 245
RMS = 22.68


charge_dis_3_4_14
Nent = 2154
Mean = 163.6
RMS = 18.63


charge_dis_3_4_15
Nent = 2154
Mean = 228
RMS = 20.27


charge_dis_3_5_0
charge_dis_3_5_
Nent = 2154
Mean = 249.9
RMS = 21.17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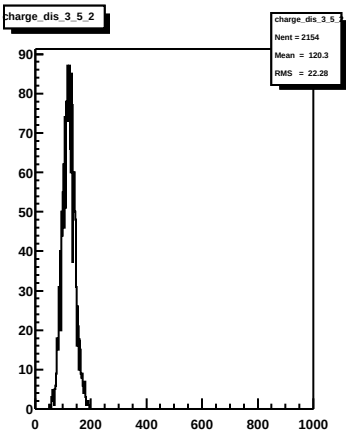
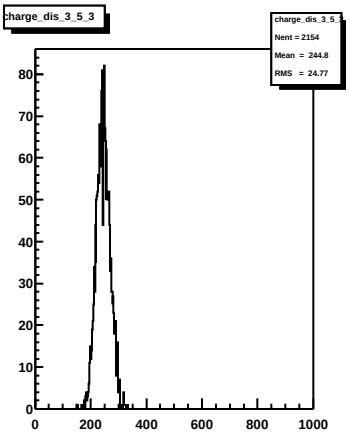
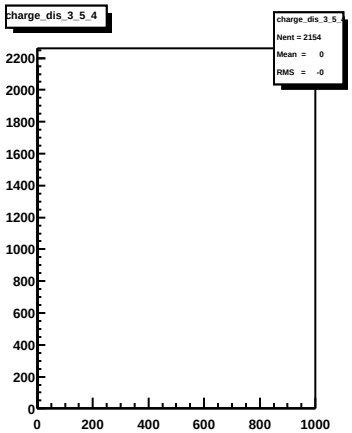
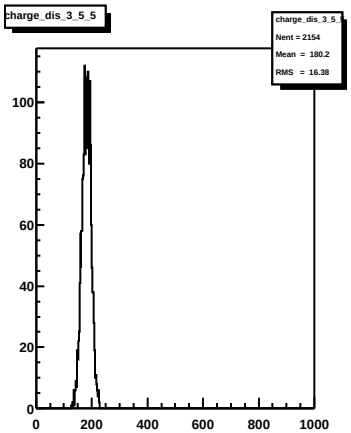
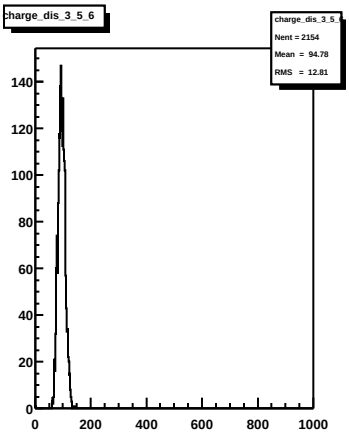
charge_dis_3_5_
Nent = 2154
Mean = 180.5
RMS = 18.05

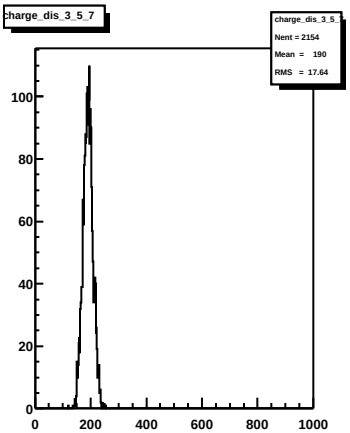

charge_dis_3_5_2
charge_dis_3_5_
Nent = 2154
Mean = 120.3
RMS = 22.28

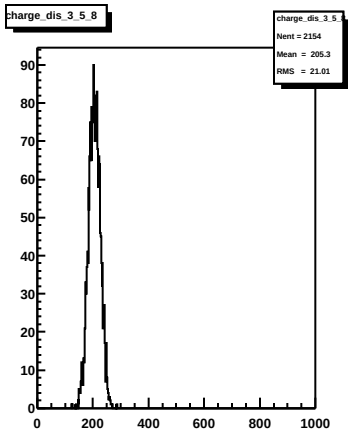

charge_dis_3_5_3
charge_dis_3_5_
Nent = 2154
Mean = 244.8
RMS = 24.77

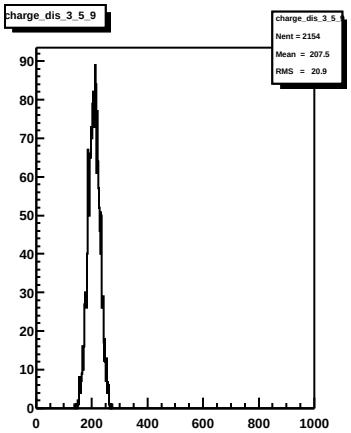

charge_dis_3_5_4
charge_dis_3_5_
Nent = 2154
Mean = 0
RMS = -0

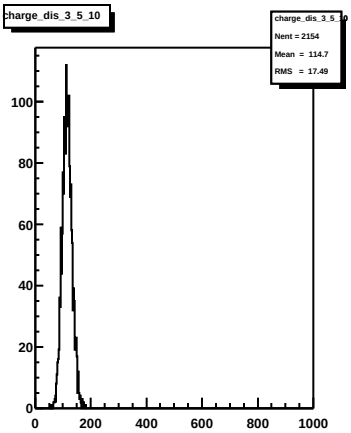

charge_dis_3_5_5
charge_dis_3_5_
Nent = 2154
Mean = 180.2
RMS = 16.38

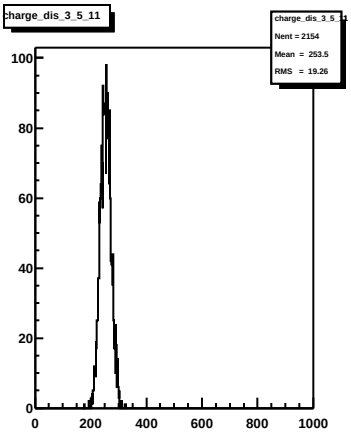

charge_dis_3_5_6
charge_dis_3_5_
Nent = 2154
Mean = 94.78
RMS = 12.81

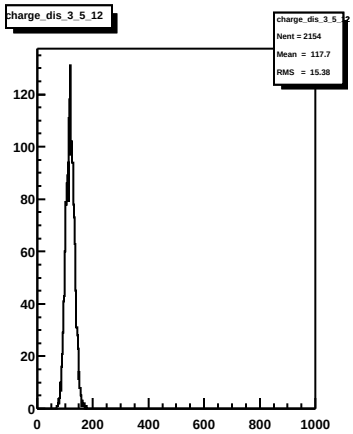

charge_dis_3_5_7
charge_dis_3_5_
Nent = 2154
Mean = 190
RMS = 17.64

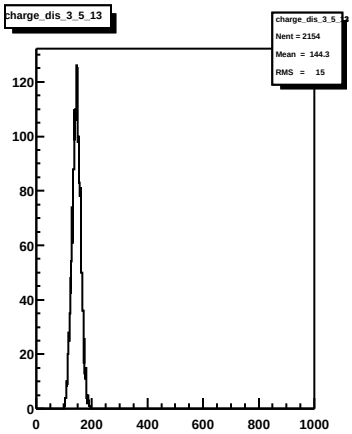

charge_dis_3_5_8
charge_dis_3_5_
Nent = 2154
Mean = 205.3
RMS = 21.01

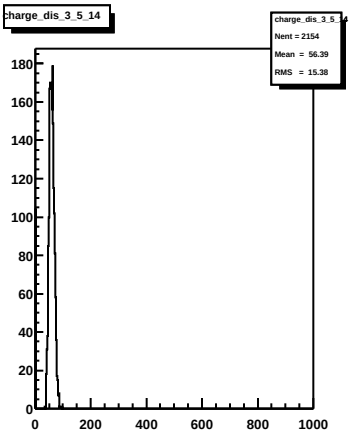

charge_dis_3_5_9
charge_dis_3_5_
Nent = 2154
Mean = 207.5
RMS = 20.9


charge_dis_3_5_10
Nent = 2154
Mean = 114.7
RMS = 17.49


charge_dis_3_5_11
Nent = 2154
Mean = 253.5
RMS = 19.26


charge_dis_3_5_12
Nent = 2154
Mean = 117.7
RMS = 15.38


charge_dis_3_5_13
Nent = 2154
Mean = 144.3
RMS = 15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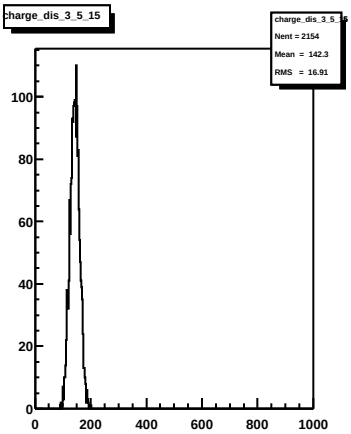
Nent = 2154
Mean = 56.39
RMS = 15.38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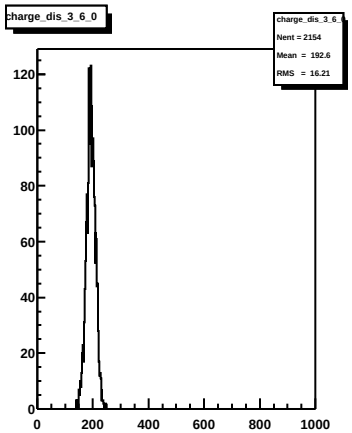
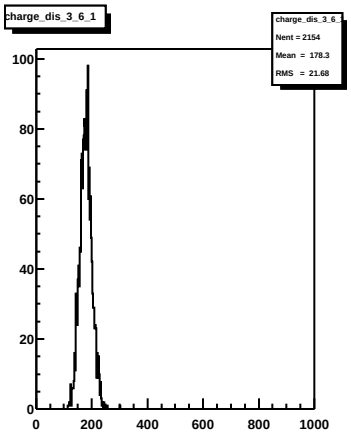
Nent = 2154
Mean = 142.3
RMS = 16.91


charge_dis_3_6_0
charge_dis_3_6_
Nent = 2154
Mean = 192.6
RMS = 16.21


charge_dis_3_6_1
charge_dis_3_6_
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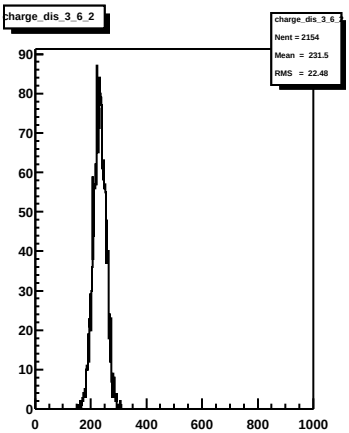
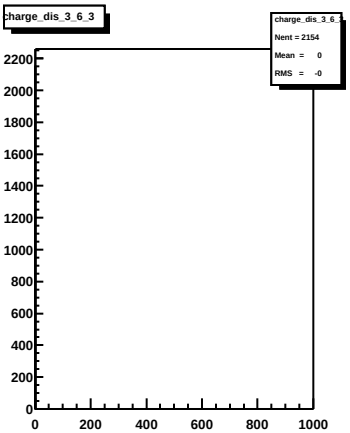
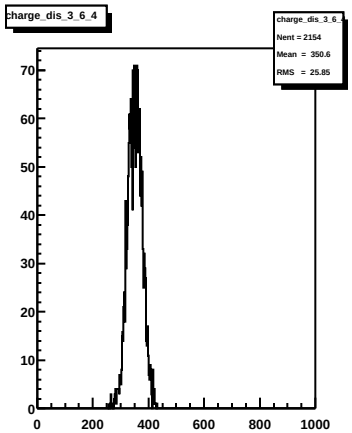
Mean = 178.3
RMS = 21.68


charge_dis_3_6_2
charge_dis_3_6_
Nent = 2154
Mean = 231.5
RMS = 22.48


charge_dis_3_6_3
charge_dis_3_6_
Nent = 2154
Mean = 0
RMS = -0


charge_dis_3_6_4
charge_dis_3_6_
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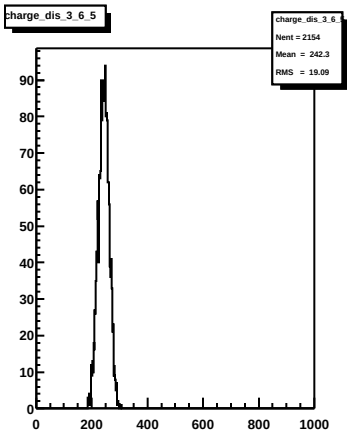
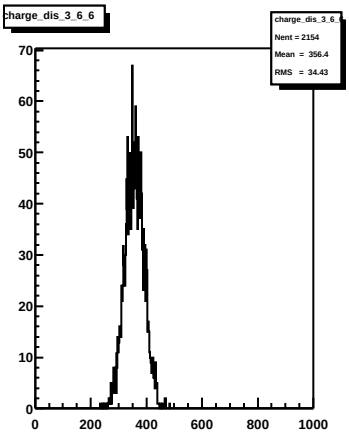
Mean = 350.6
RMS = 25.85


charge_dis_3_6_5
charge_dis_3_6_
Nent = 2154
Mean = 242.3
RMS = 19.09


charge_dis_3_6_6
charge_dis_3_6_
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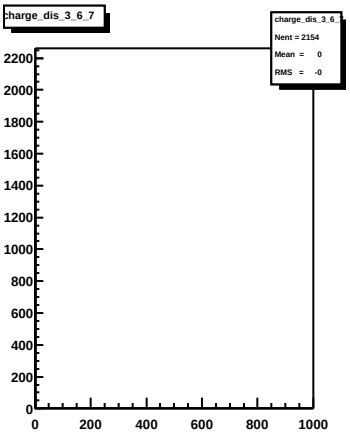
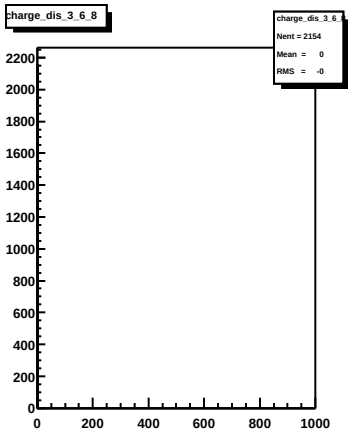
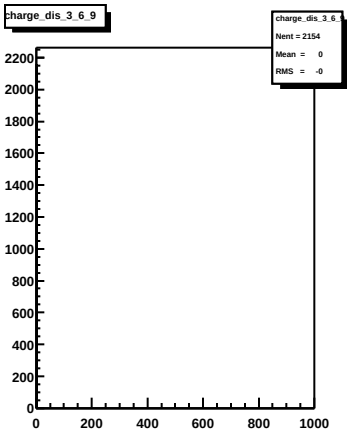
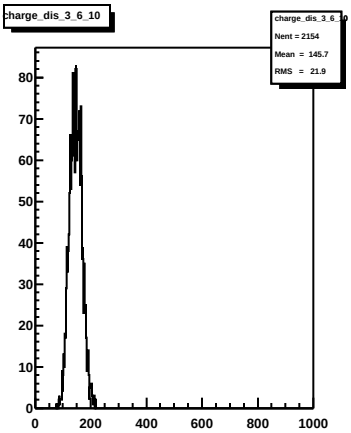
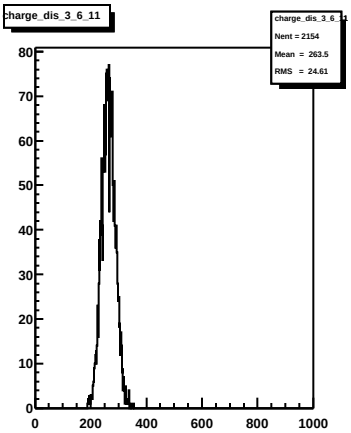
Mean = 356.4
RMS = 34.43

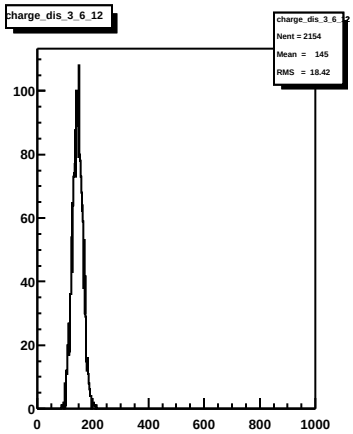

charge_dis_3_6_7
charge_dis_3_6_
Nent = 2154
Mean = 0
RMS = -0

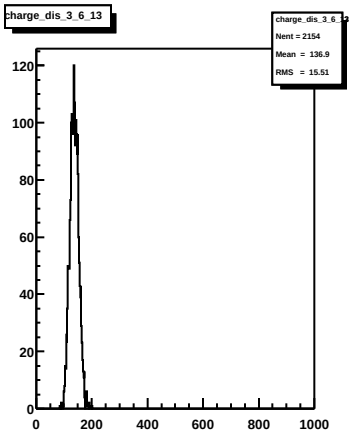

charge_dis_3_6_8
charge_dis_3_6_
Nent = 2154
Mean = 0
RMS = -0


charge_dis_3_6_9
charge_dis_3_6_
Nent = 2154
Mean = 0
RMS = -0


charge_dis_3_6_10
charge_dis_3_6_
Nent = 2154
Mean = 145.7
RMS = 21.9


charge_dis_3_6_11
charge_dis_3_6_
Nent = 2154
Mean = 263.5
RMS = 24.61


charge_dis_3_6_12
charge_dis_3_6_
Nent = 2154
Mean = 145
RMS = 18.42


charge_dis_3_6_13
charge_dis_3_6_
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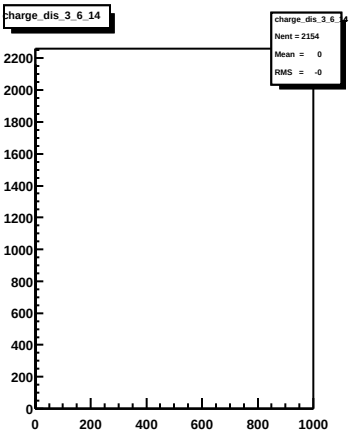
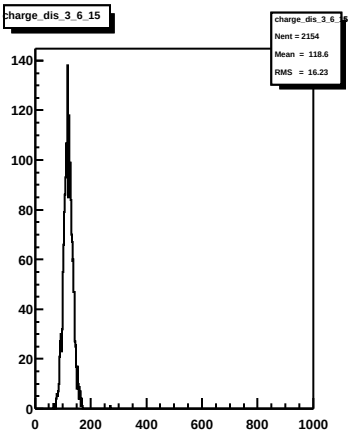
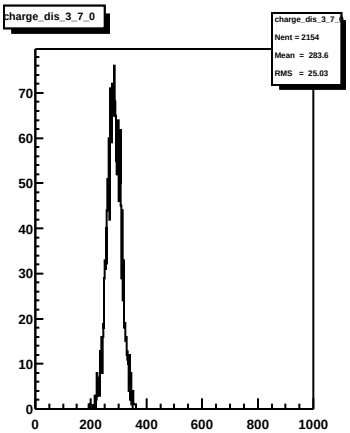
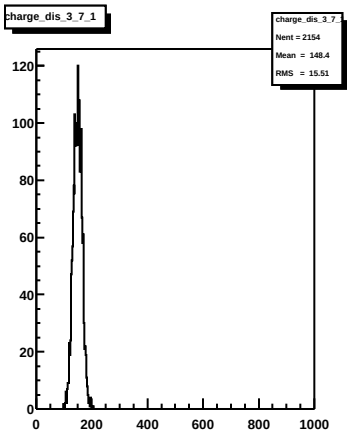
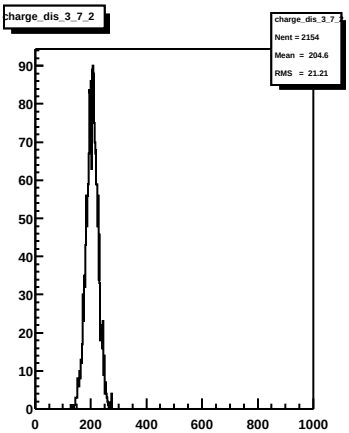
Mean = 136.9
RMS = 15.51

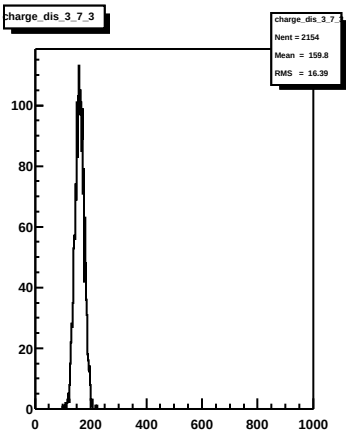

charge_dis_3_6_14
charge_dis_3_6_
Nent = 2154
Mean = 0
RMS = -0

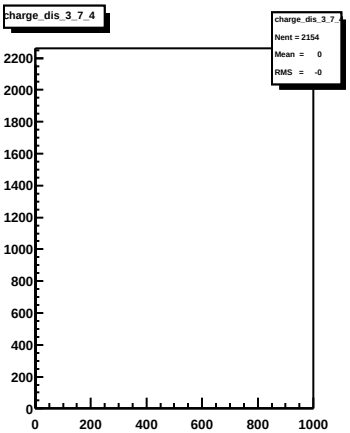

charge_dis_3_6_15
charge_dis_3_6_
Nent = 2154
Mean = 118.6
RMS = 16.23

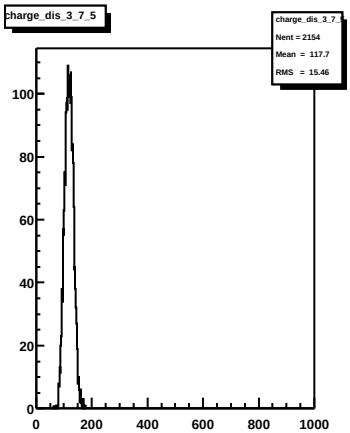

charge_dis_3_7_0
charge_dis_3_7_
Nent = 2154
Mean = 283.6
RMS = 25.03

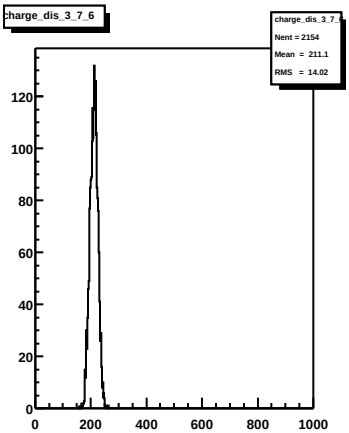

charge_dis_3_7_1
charge_dis_3_7_
Nent = 2154
Mean = 148.4
RMS = 15.51

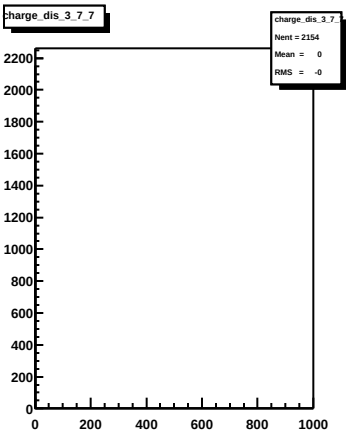

charge_dis_3_7_2
charge_dis_3_7_
Nent = 2154
Mean = 204.6
RMS = 21.21

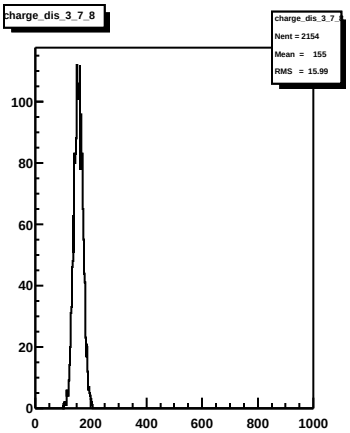

charge_dis_3_7_3
charge_dis_3_7_
Nent = 2154
Mean = 159.8
RMS = 16.39

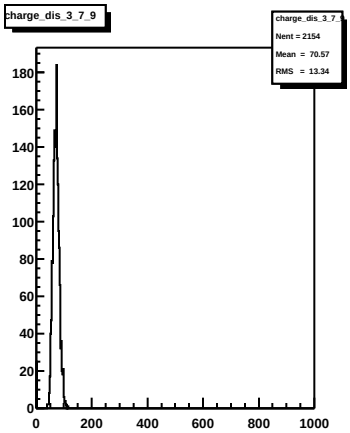

charge_dis_3_7_4
charge_dis_3_7_
Nent = 2154
Mean = 0
RMS = -0

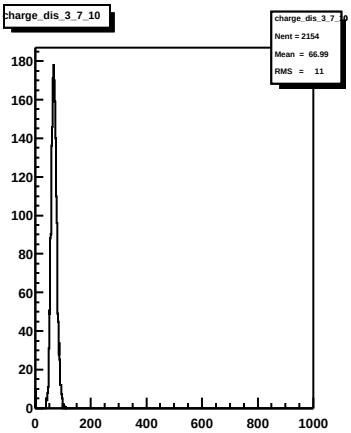

charge_dis_3_7_5
charge_dis_3_7_
Nent = 2154
Mean = 117.7
RMS = 15.46

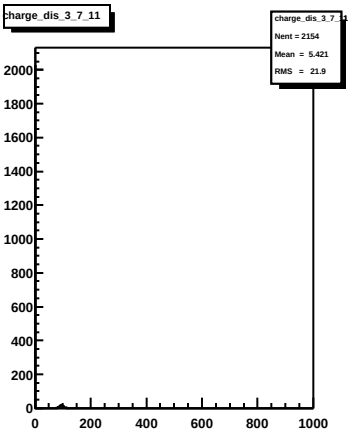

charge_dis_3_7_6
charge_dis_3_7_
Nent = 2154
Mean = 211.1
RMS = 14.02

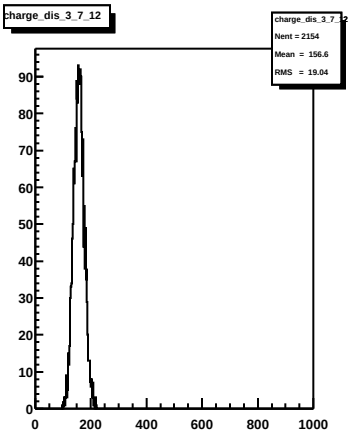

charge_dis_3_7_7
charge_dis_3_7_
Nent = 2154
Mean = 0
RMS = -0

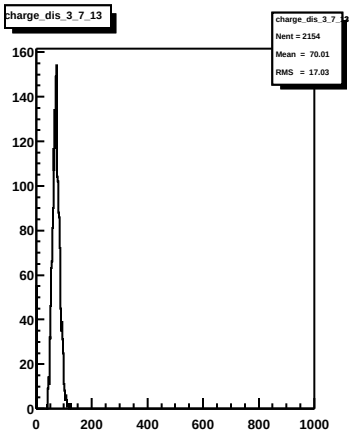

charge_dis_3_7_8
charge_dis_3_7_
Nent = 2154
Mean = 155
RMS = 15.99

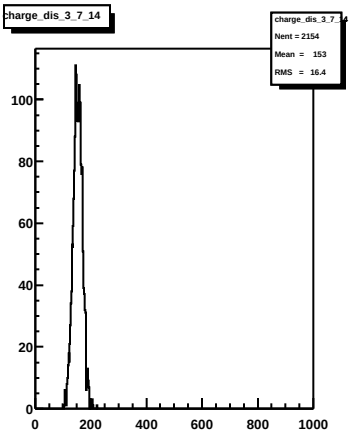

charge_dis_3_7_9
charge_dis_3_7_
Nent = 2154
Mean = 70.57
RMS = 13.34

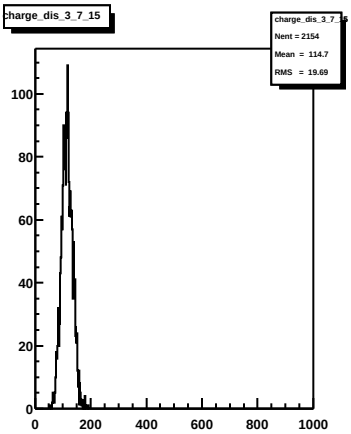

charge_dis_3_7_10
Nent = 2154
Mean = 66.99
RMS = 11

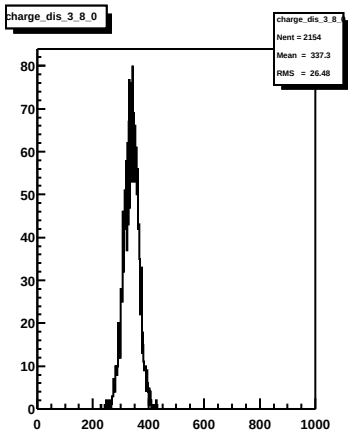

charge_dis_3_7_11
Nent = 2154
Mean = 5.421
RMS = 21.9

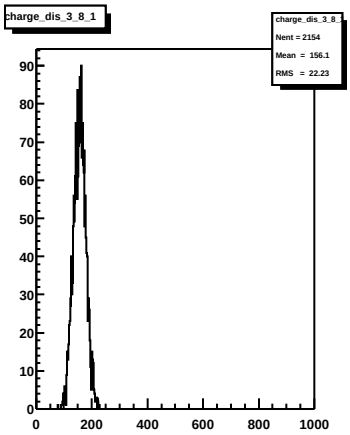

charge_dis_3_7_12
Nent = 2154
Mean = 156.6
RMS = 19.04


charge_dis_3_7_13
Nent = 2154
Mean = 70.01
RMS = 17.03


charge_dis_3_7_14
Nent = 2154
Mean = 153
RMS = 16.4


charge_dis_3_7_15
Nent = 2154
Mean = 114.7
RMS = 19.69


charge_dis_3_8_0
charge_dis_3_8_
Nent = 2154
Mean = 337.3
RMS = 26.48


charge_dis_3_8_1
charge_dis_3_8_
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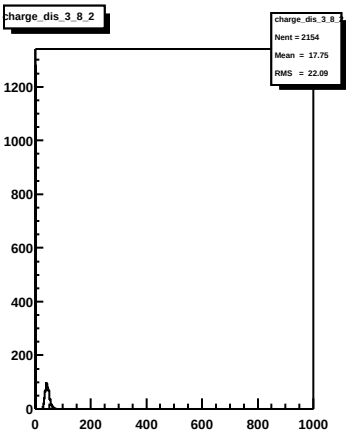
Mean = 156.1
RMS = 22.23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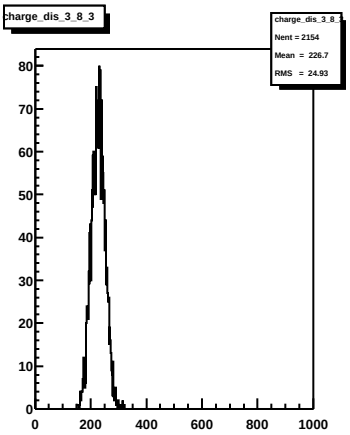
charge_dis_3_8_
Nent = 2154
Mean = 17.75
RMS = 22.09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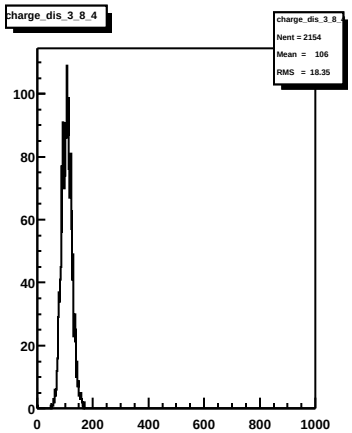
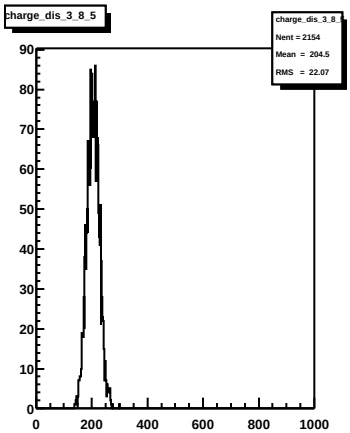
charge_dis_3_8_
Nent = 2154
Mean = 226.7
RMS = 24.93


charge_dis_3_8_4
charge_dis_3_8_
Nent = 2154
Mean = 106
RMS = 18.35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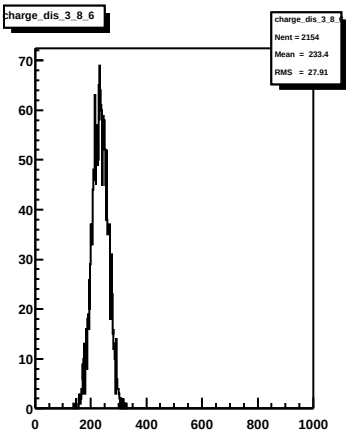
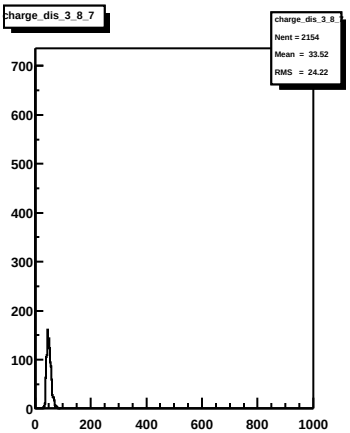
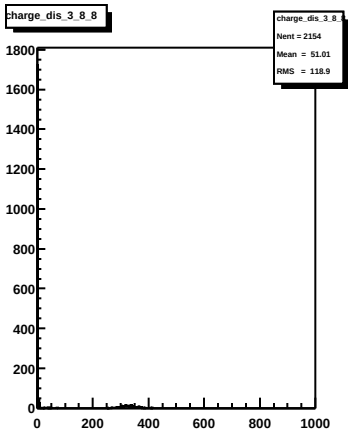
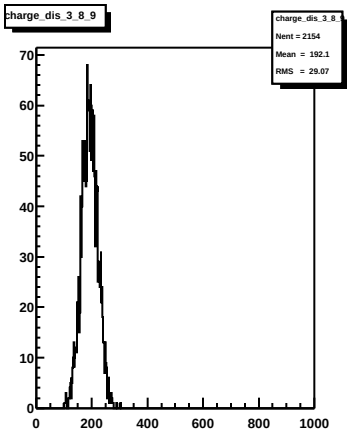
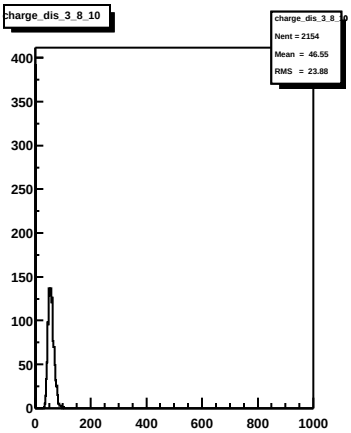
charge_dis_3_8_
Nent = 2154
Mean = 204.5
RMS = 22.07

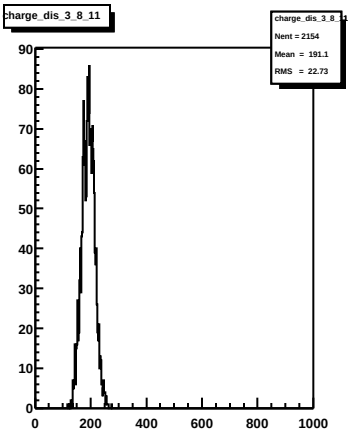

charge_dis_3_8_6
charge_dis_3_8_
Nent = 2154
Mean = 233.4
RMS = 27.91

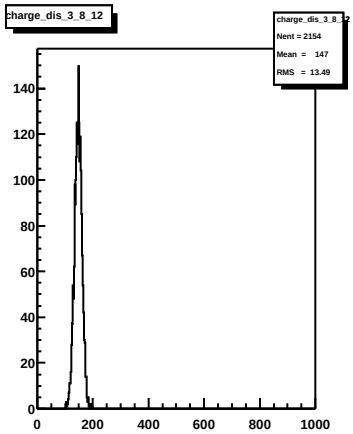

charge_dis_3_8_7
charge_dis_3_8_
Nent = 2154
Mean = 33.52
RMS = 24.22

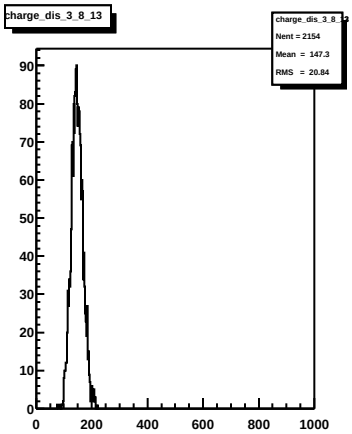

charge_dis_3_8_8
charge_dis_3_8_
Nent = 2154
Mean = 51.01
RMS = 118.9

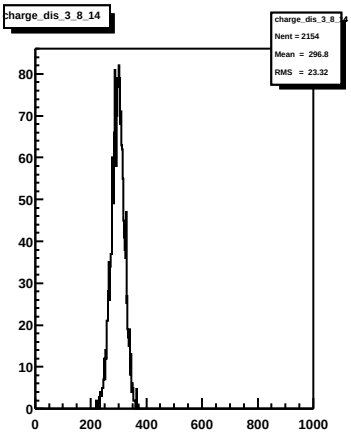

charge_dis_3_8_9
charge_dis_3_8_
Nent = 2154
Mean = 192.1
RMS = 29.07

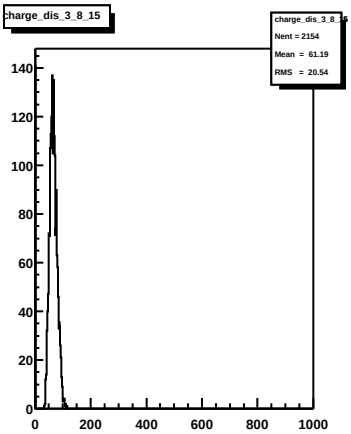

charge_dis_3_8_10
Nent = 2154
Mean = 46.55
RMS = 23.88

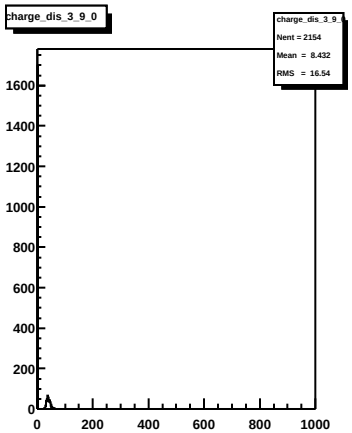

charge_dis_3_8_11
Nent = 2154
Mean = 191.1
RMS = 22.73

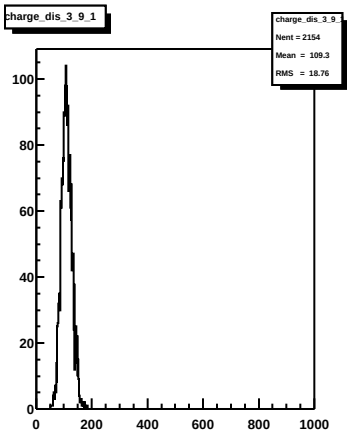

charge_dis_3_8_12
Nent = 2154
Mean = 147
RMS = 13.49

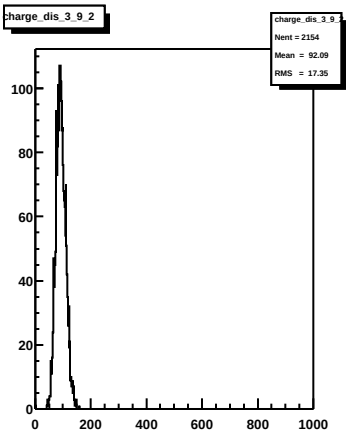

charge_dis_3_8_13
Nent = 2154
Mean = 147.3
RMS = 20.84

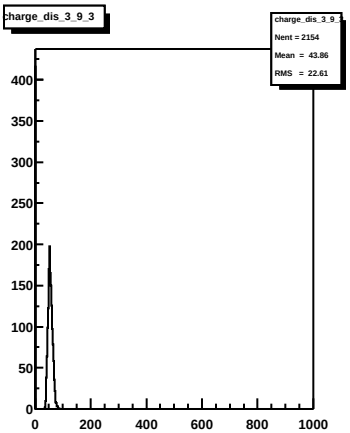

charge_dis_3_8_14
Nent = 2154
Mean = 296.8
RMS = 23.32


charge_dis_3_8_15
Nent = 2154
Mean = 61.19
RMS = 20.54


charge_dis_3_9_0
charge_dis_3_9_
Nent = 2154
Mean = 8.432
RMS = 16.54


charge_dis_3_9_1
charge_dis_3_9_
Nent = 2154
Mean = 109.3
RMS = 18.76


charge_dis_3_9_2
charge_dis_3_9_
Nent = 2154
Mean = 92.09
RMS = 17.35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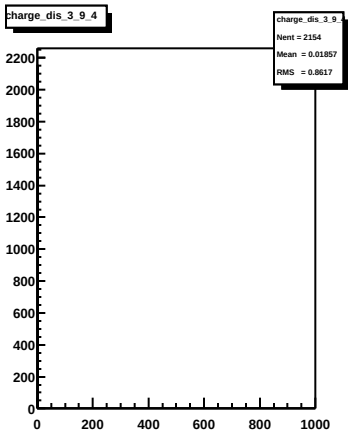
charge_dis_3_9_
Nent = 2154
Mean = 43.86
RMS = 22.61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charge_dis_3_9_
Nent = 2154
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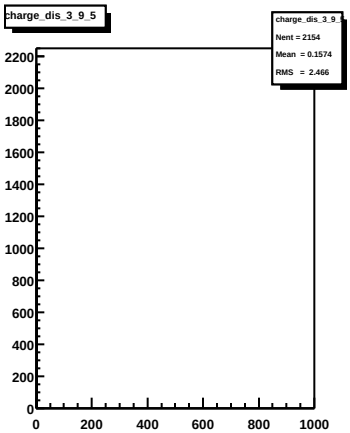
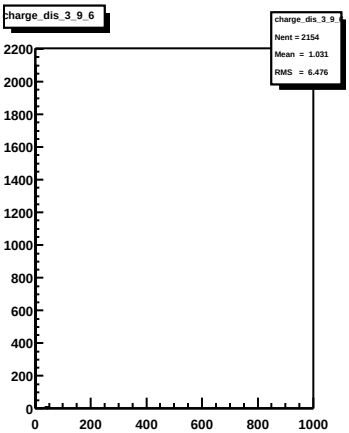
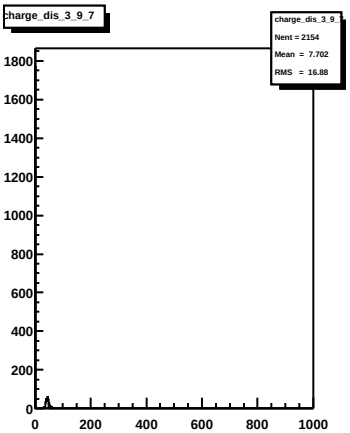

charge_dis_3_9_5
charge_dis_3_9_
Nent = 2154
Mean = 0.1574
RMS = 2.466


charge_dis_3_9_6
charge_dis_3_9_
Nent = 2154
Mean = 1.031
RMS = 6.476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charge_dis_3_9_
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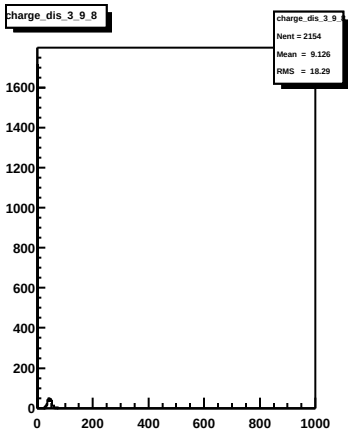
Mean = 7.702
RMS = 16.88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charge_dis_3_9_
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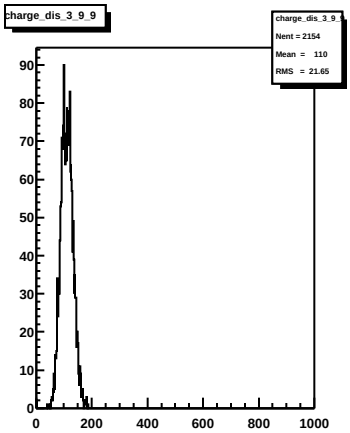
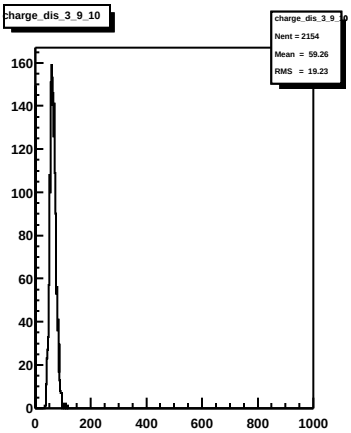
RMS = 18.29


charge_dis_3_9_9
charge_dis_3_9_
Nent = 2154
Mean = 110
RMS = 21.65


charge_dis_3_9_10
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Mean = 59.26
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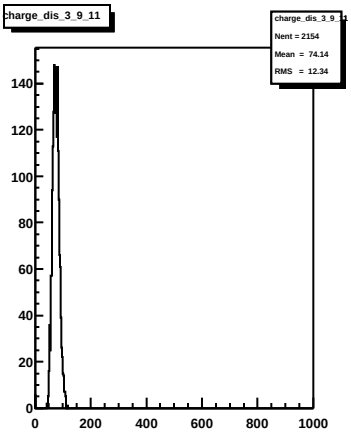
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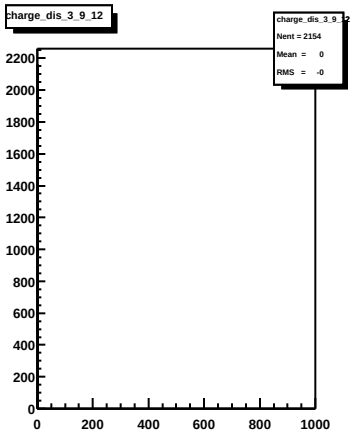
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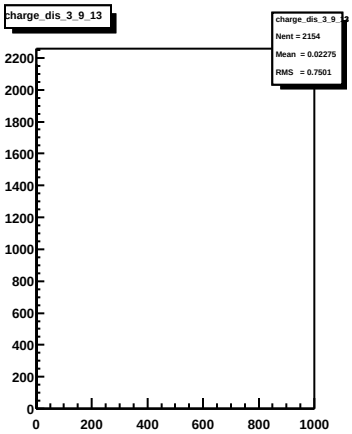
Nent = 2154
Mean = 0
RMS = -0


charge_dis_3_9_13
Nent = 2154
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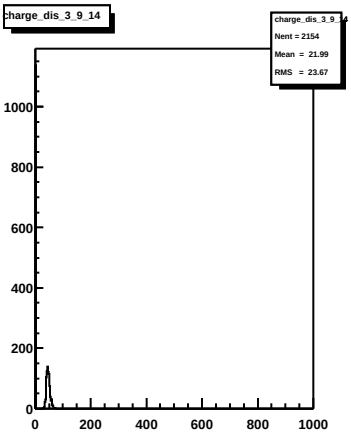
RMS = 0.7501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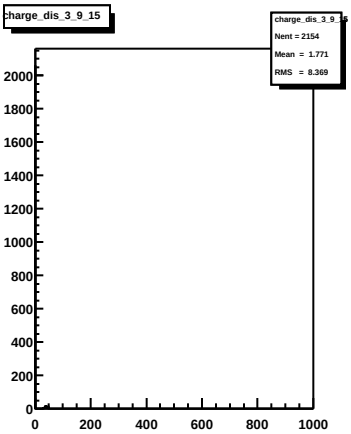
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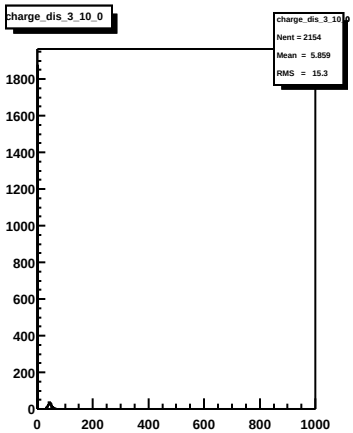
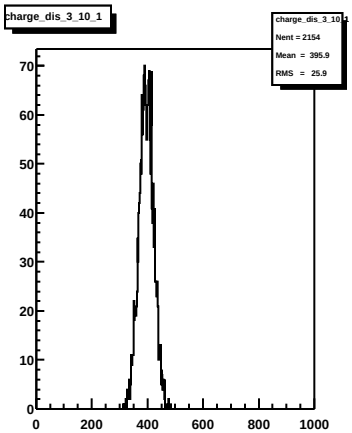
RMS = 8.369


charge_dis_3_10_0
charge_dis_3_10_0
Nent = 2154
Mean = 5.859
RMS = 15.3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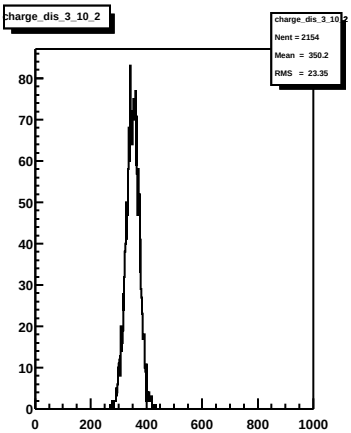
RMS = 25.9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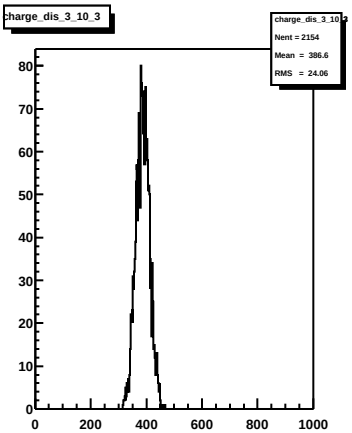
RMS = 23.35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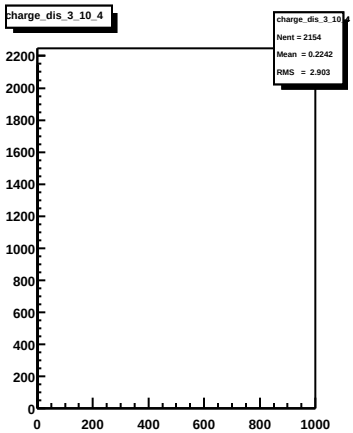
RMS = 24.06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charge_dis_3_10_4
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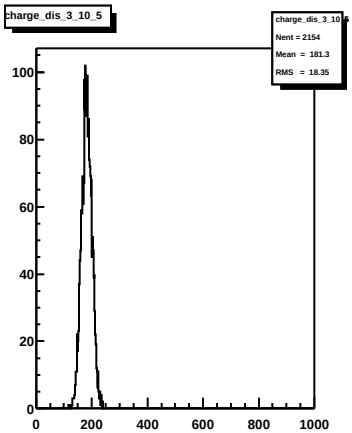
RMS = 2.903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charge_dis_3_10_5
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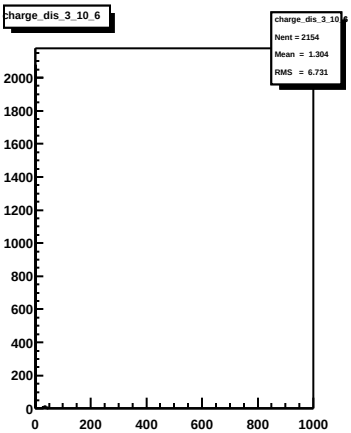
Mean = 181.3
RMS = 18.35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charge_dis_3_10_6
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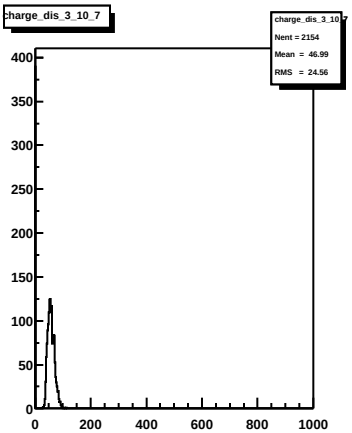
Mean = 1.304
RMS = 6.731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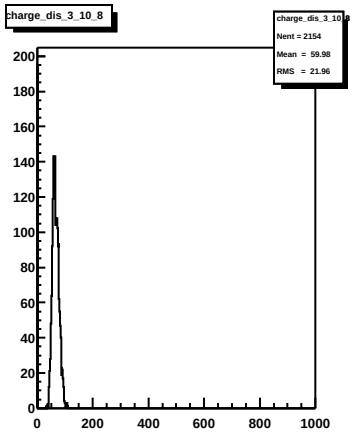
RMS = 24.56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charge_dis_3_10_8
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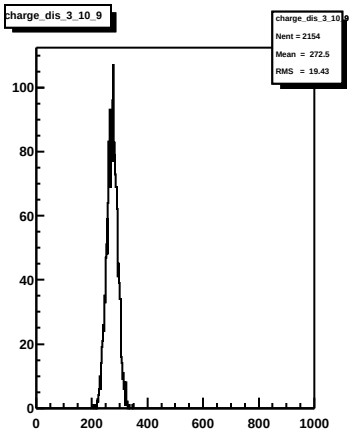
RMS = 21.96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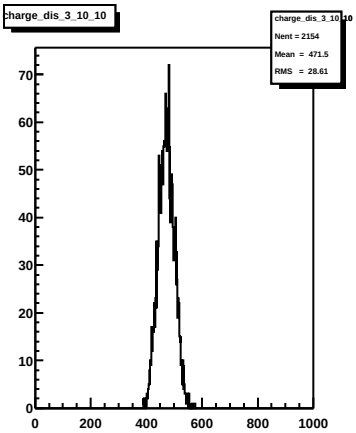
RMS = 19.43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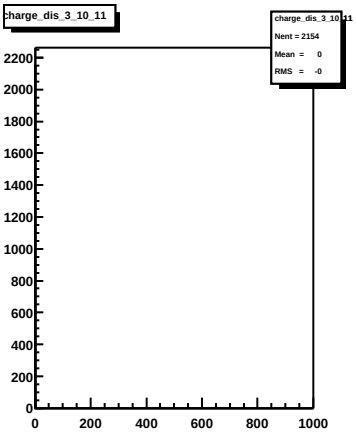
RMS = 28.61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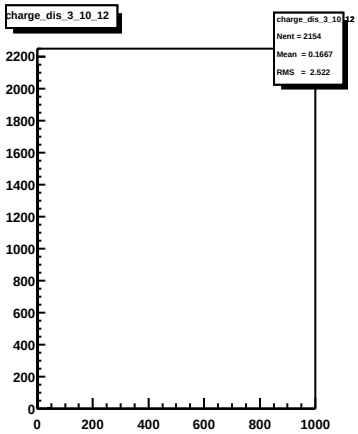
Mean = 0
RMS = -0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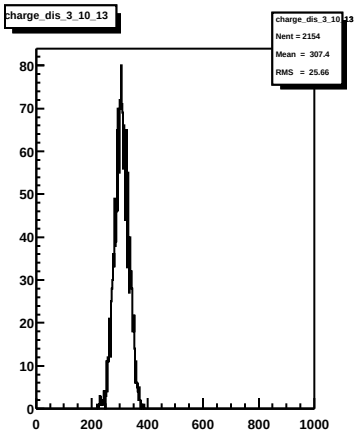
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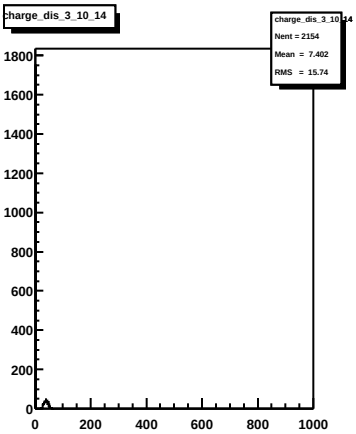
RMS = 25.66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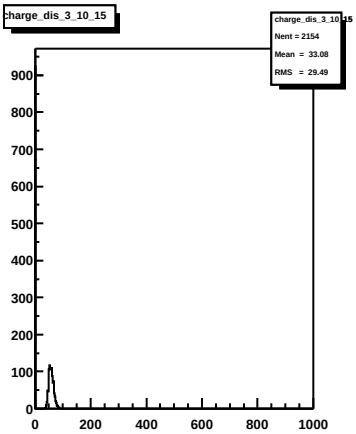
RMS = 15.74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charge_dis_3_10_15
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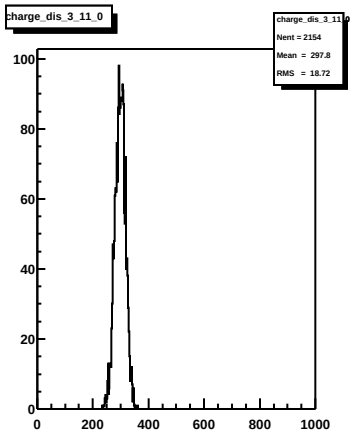
RMS = 29.49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charge_dis_3_11_0
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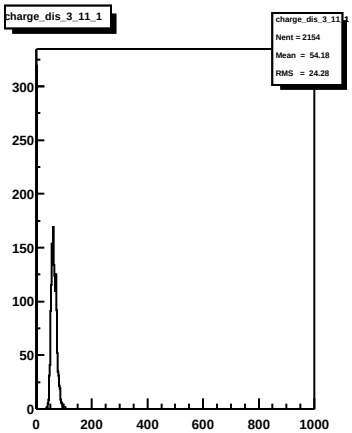
Mean = 297.8
RMS = 18.72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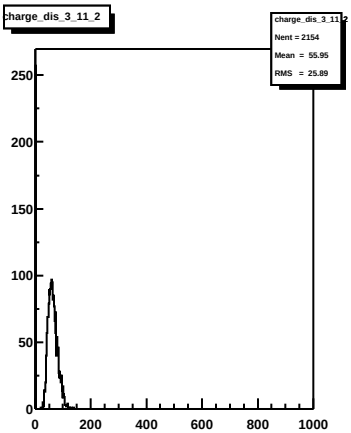
RMS = 24.28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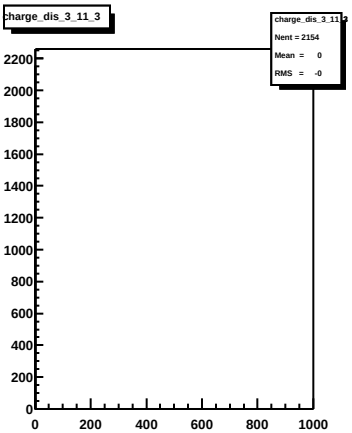
Mean = 55.95
RMS = 25.89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charge_dis_3_11_3
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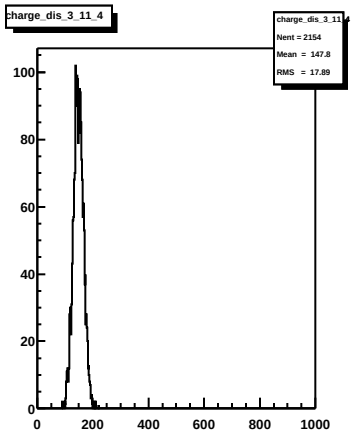
Mean = 0
RMS = -0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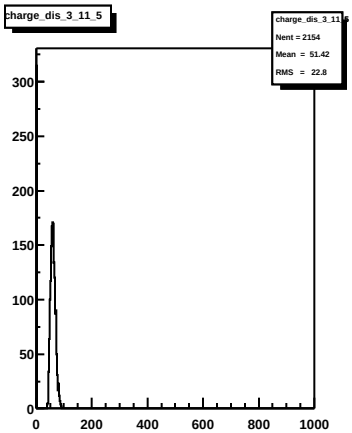
Mean = 147.8
RMS = 17.89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charge_dis_3_11_5
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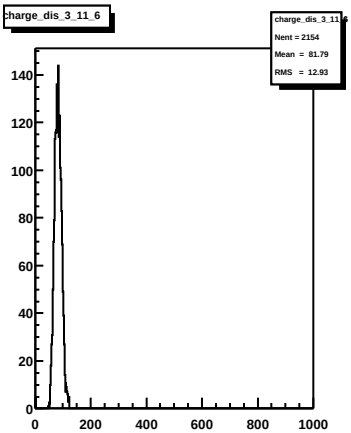
RMS = 22.8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charge_dis_3_11_6
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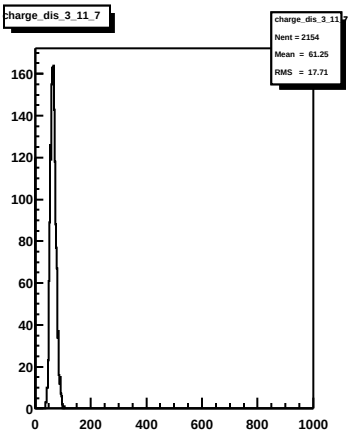
RMS = 12.93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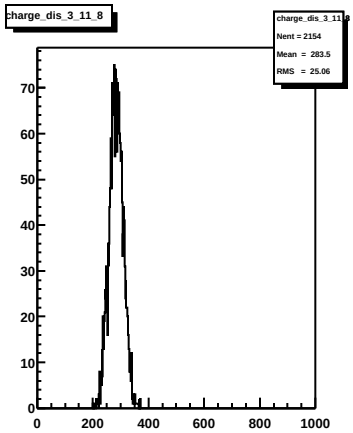
RMS = 17.71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charge_dis_3_11_8
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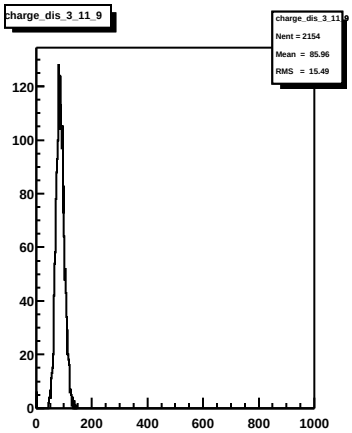
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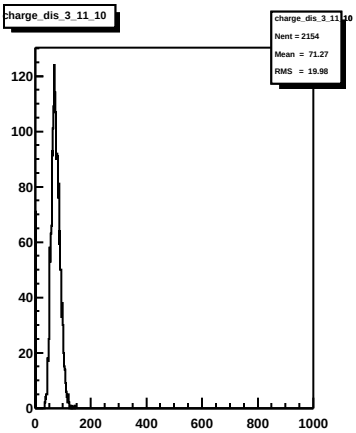
Mean = 85.96
RMS = 15.49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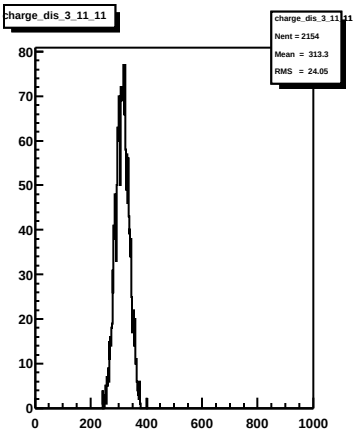
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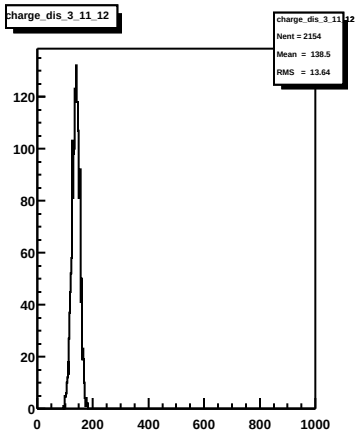
Mean = 313.3
RMS = 24.05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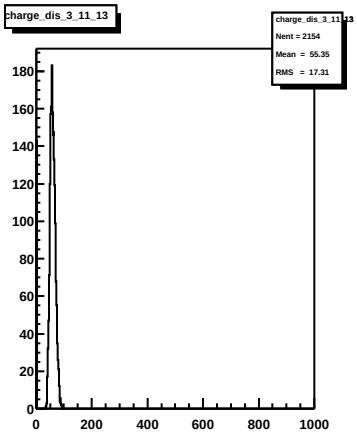
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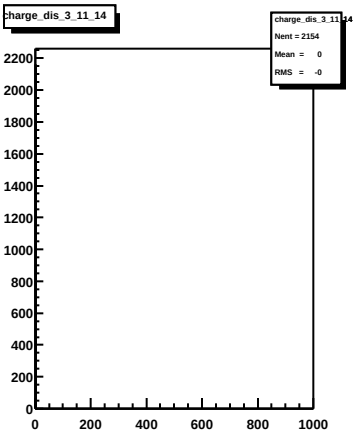
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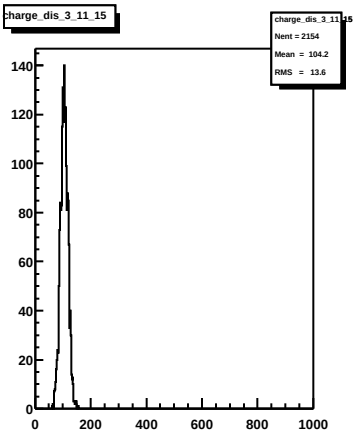
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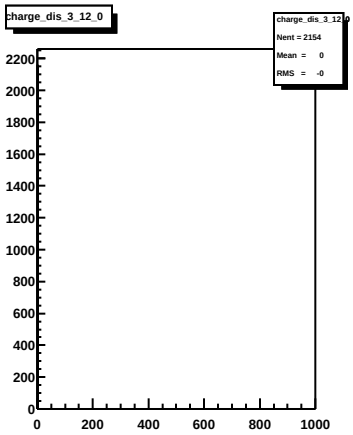
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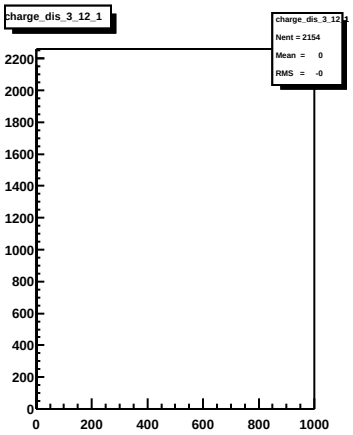
RMS = -0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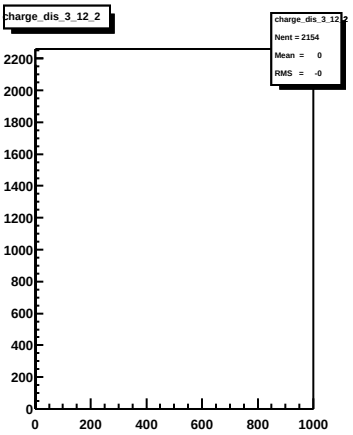
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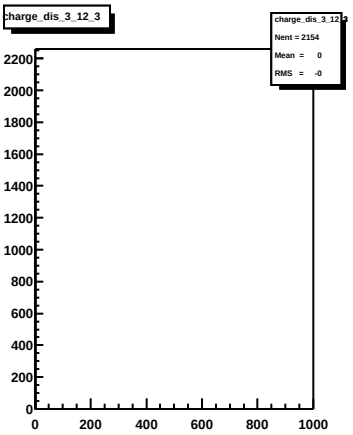
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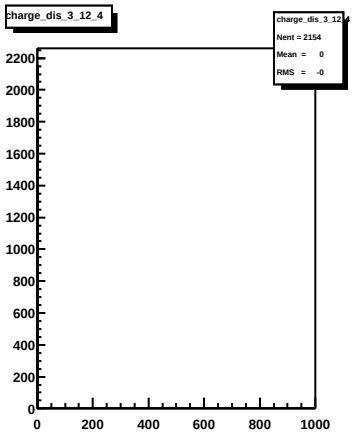
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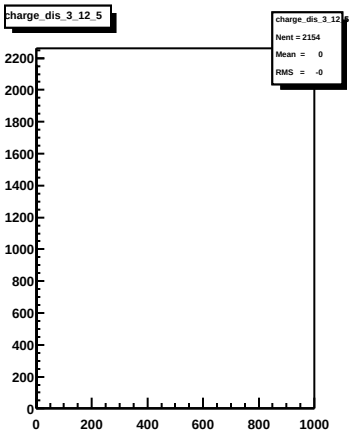
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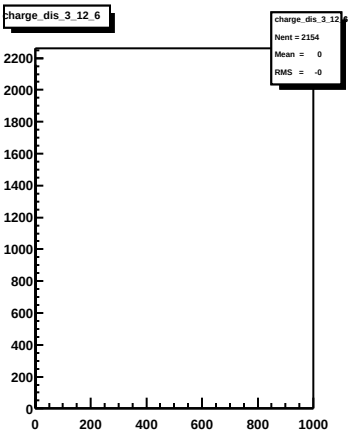
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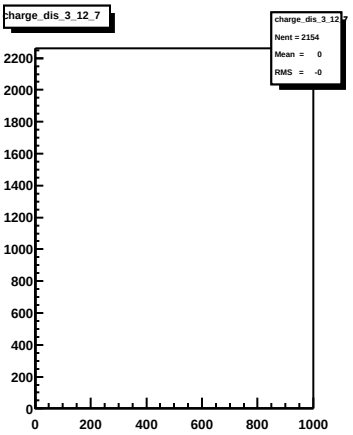
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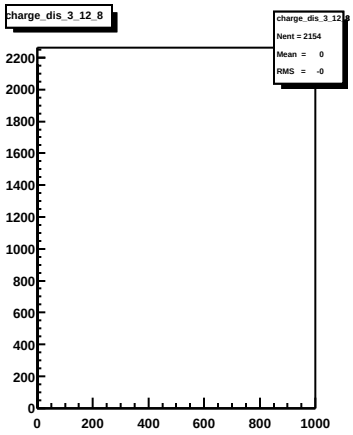
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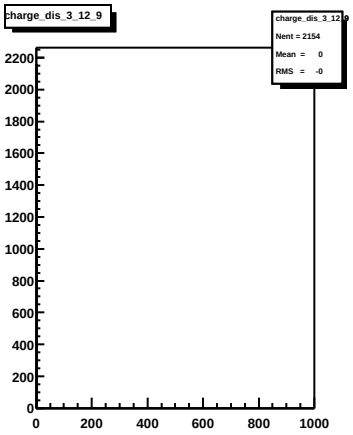
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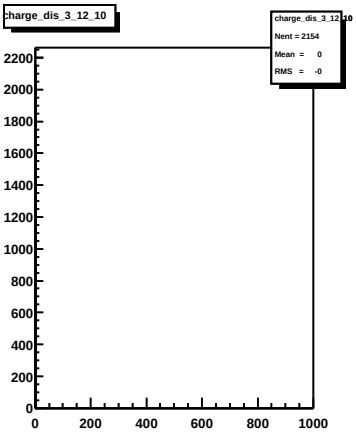
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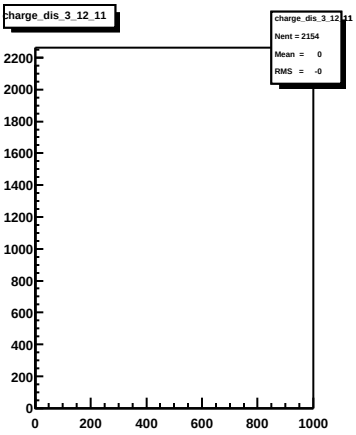
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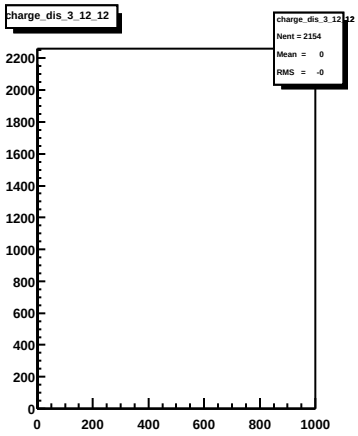
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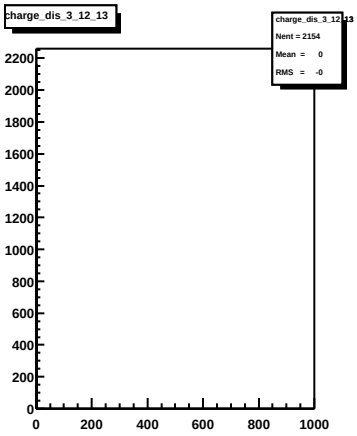
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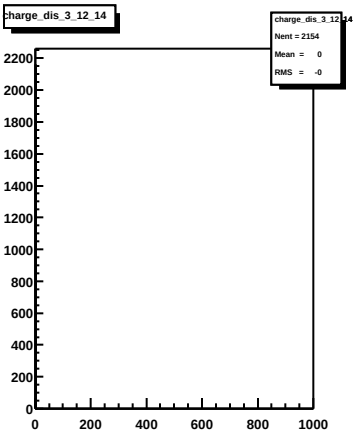
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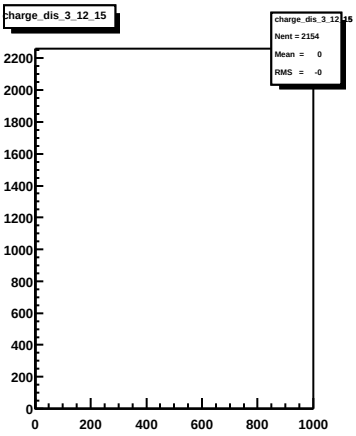
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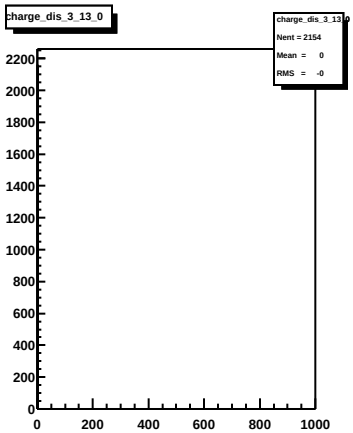
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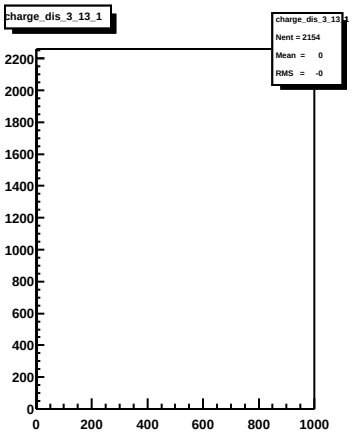
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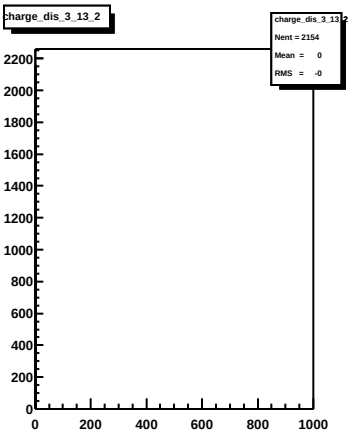
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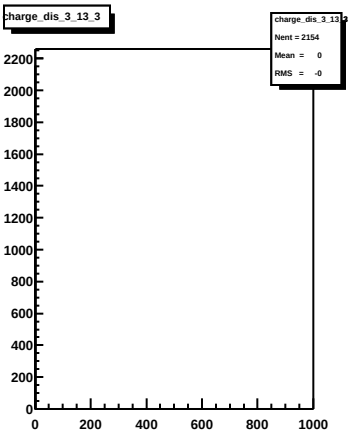
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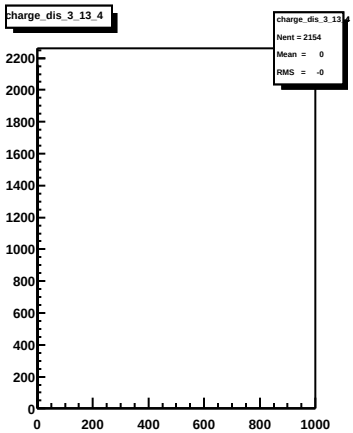
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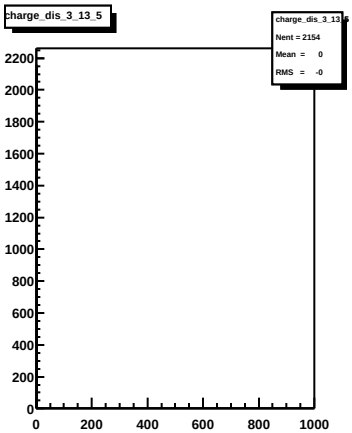
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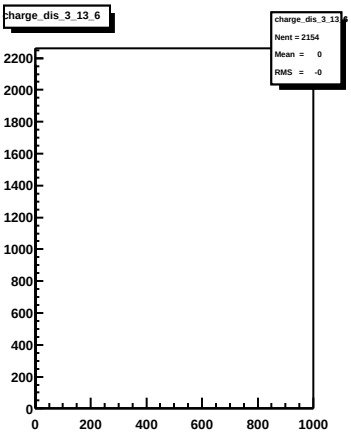
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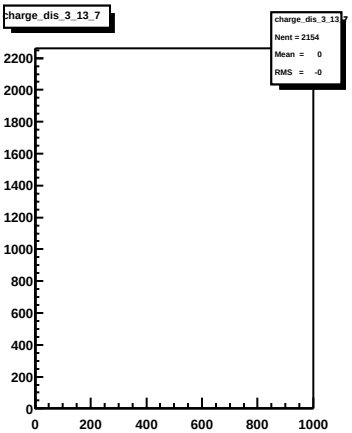
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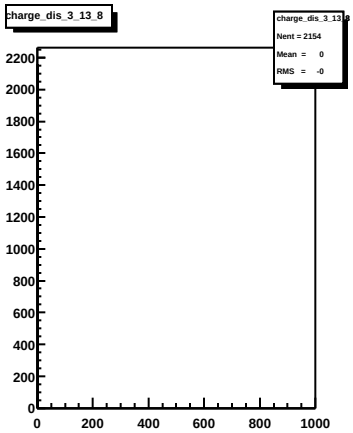
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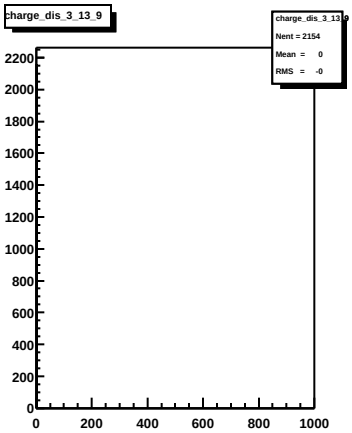
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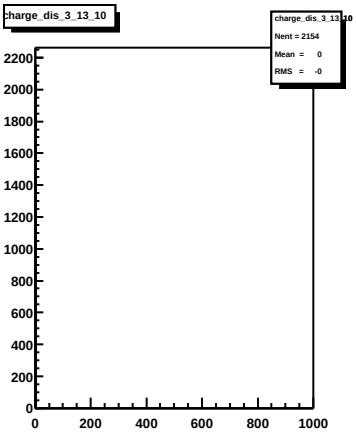
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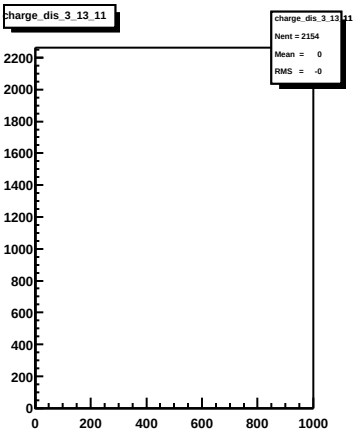
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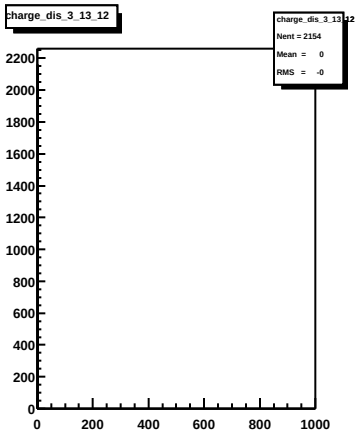
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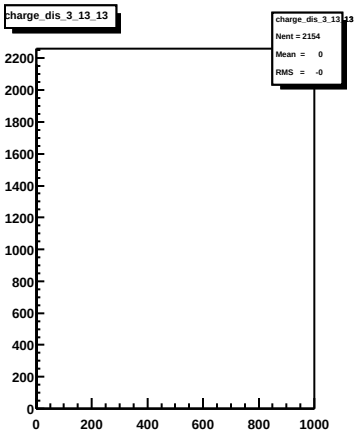
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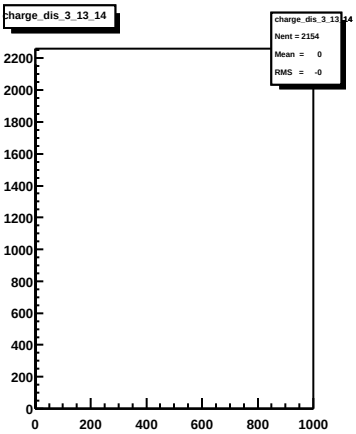
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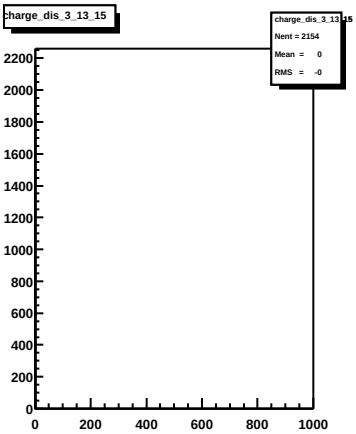
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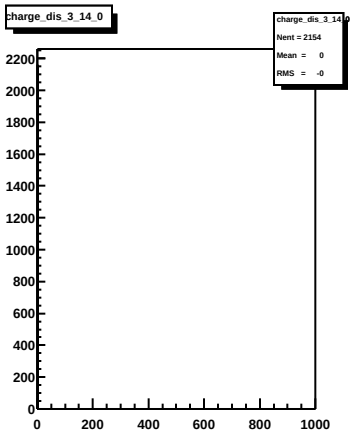
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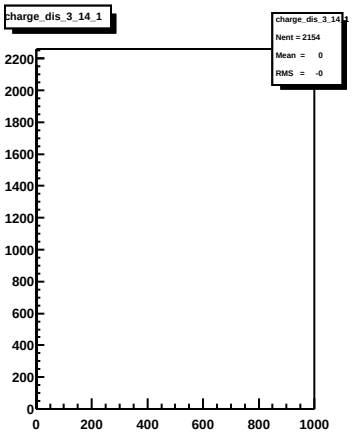
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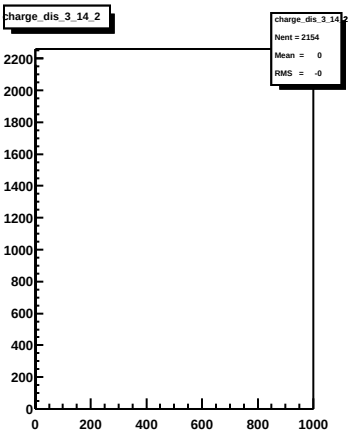
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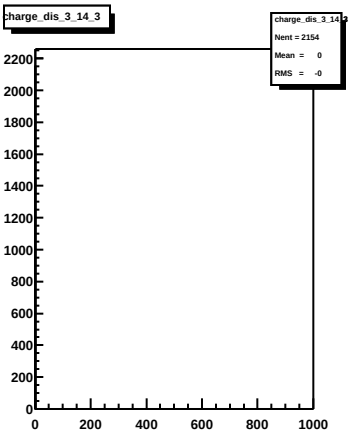
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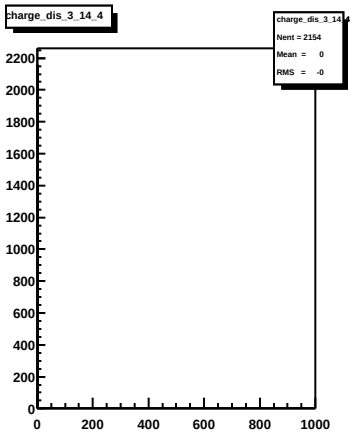
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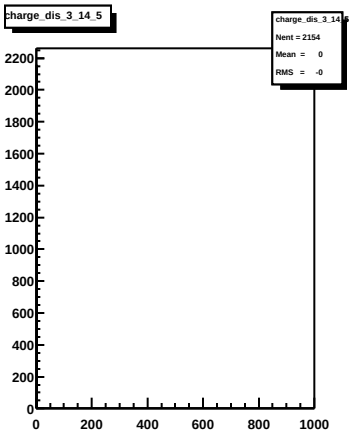
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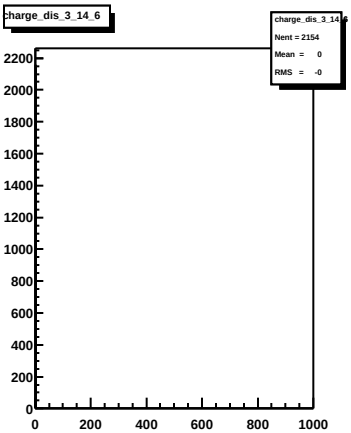
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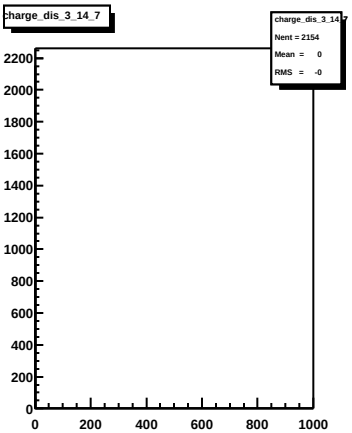
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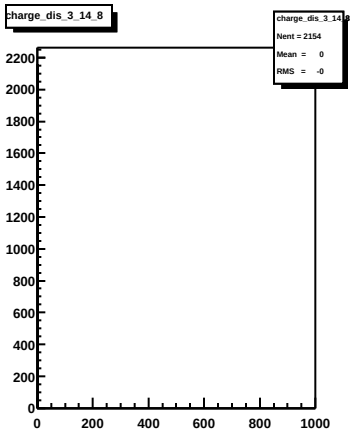
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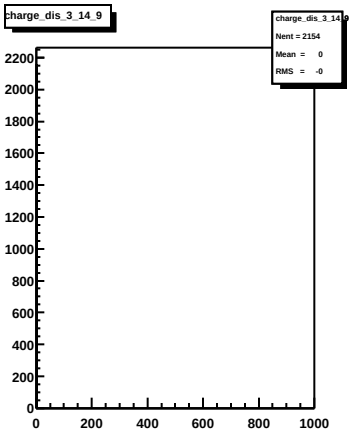
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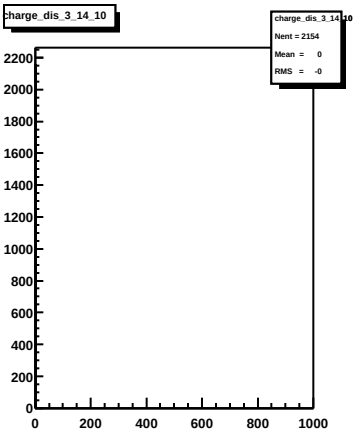
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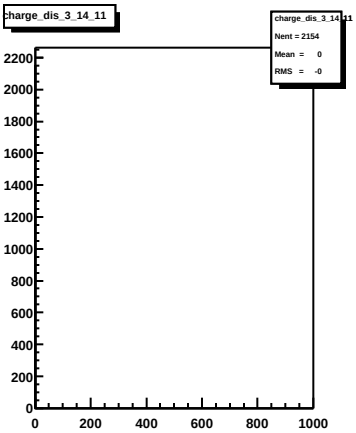
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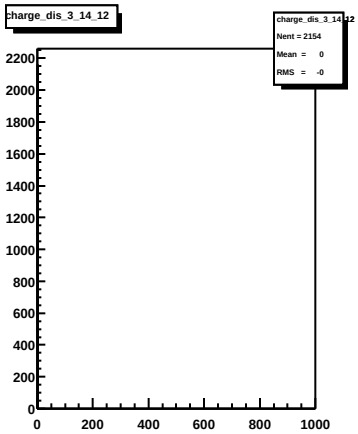
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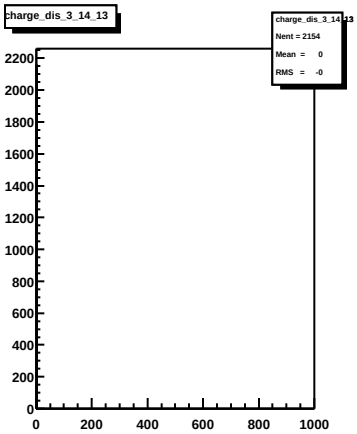
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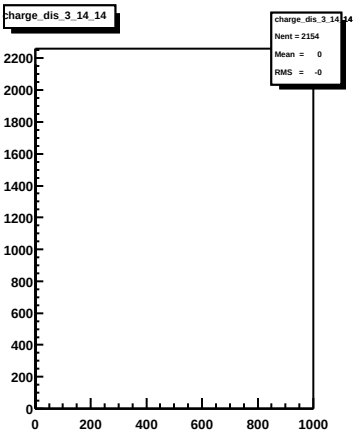
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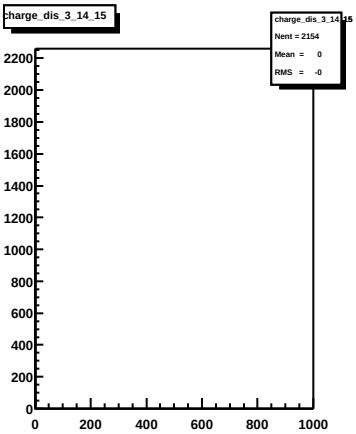
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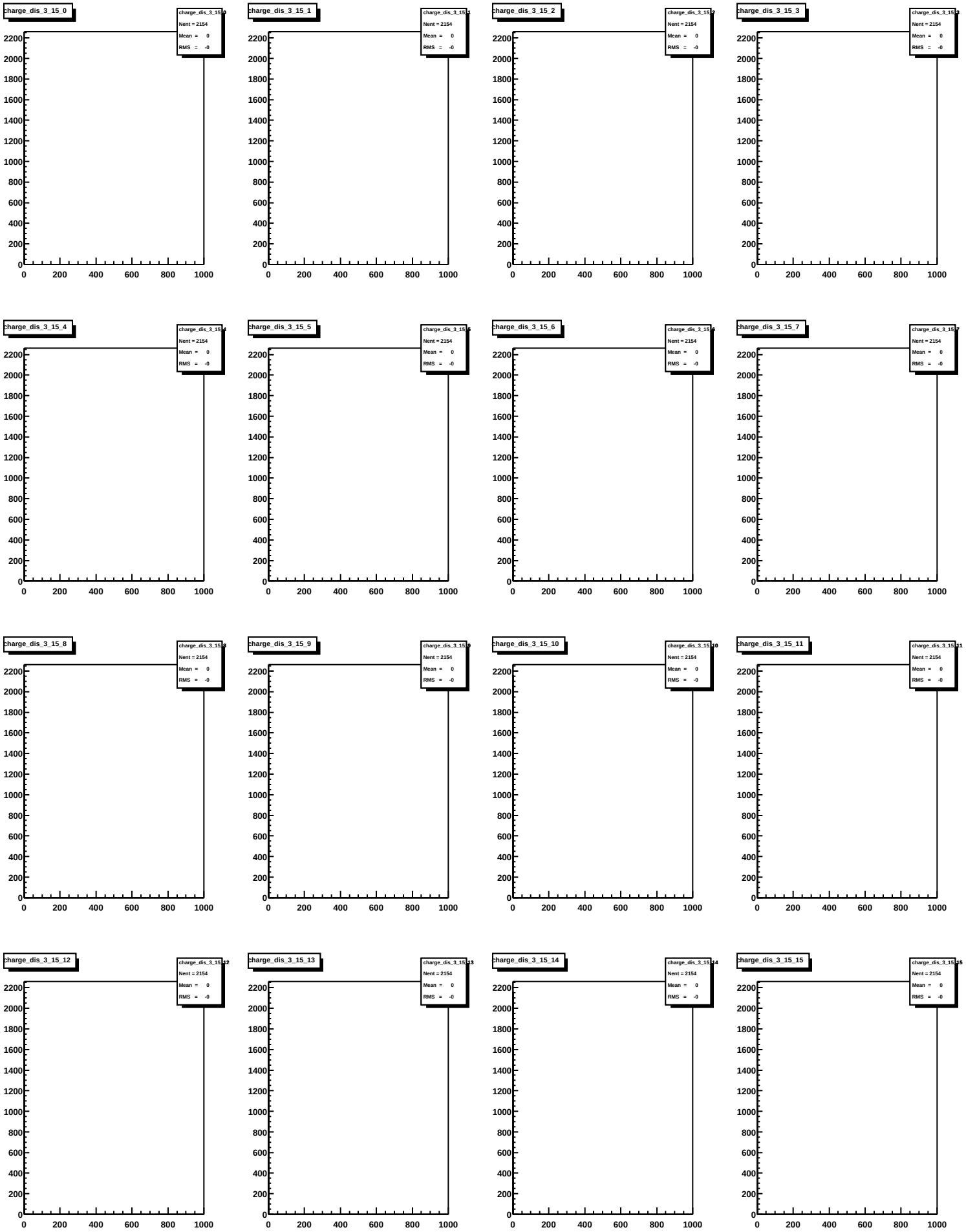
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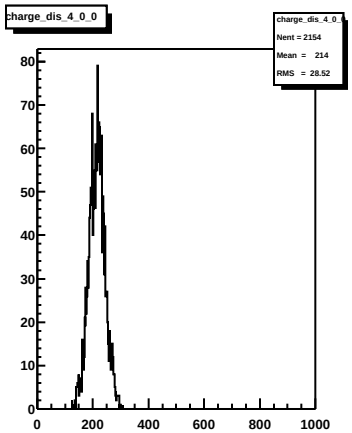
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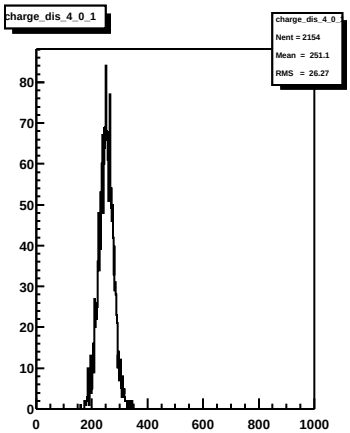
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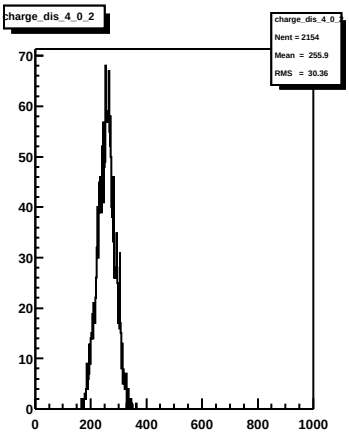
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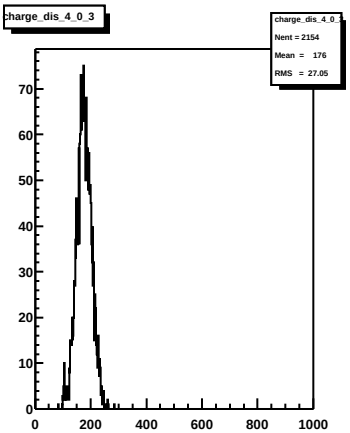
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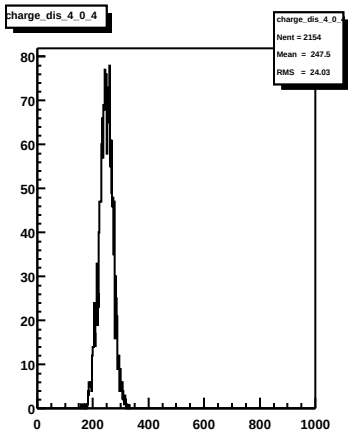
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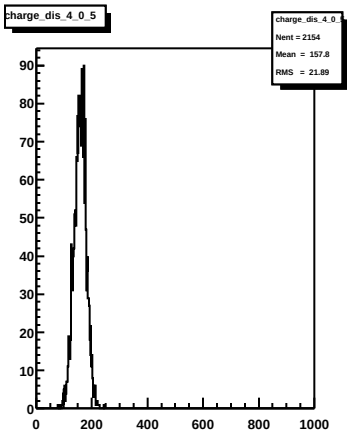
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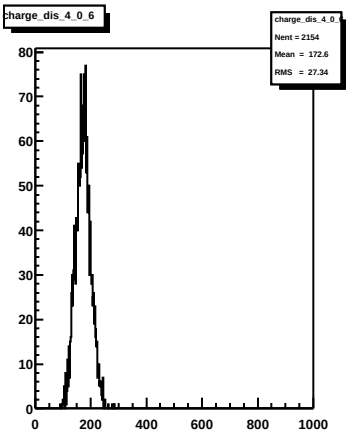
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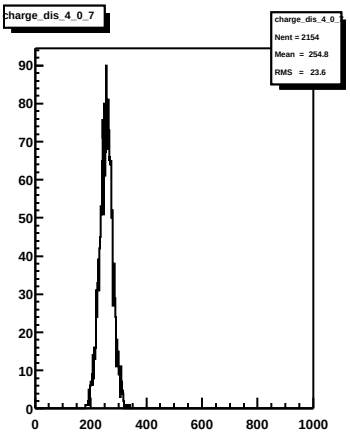
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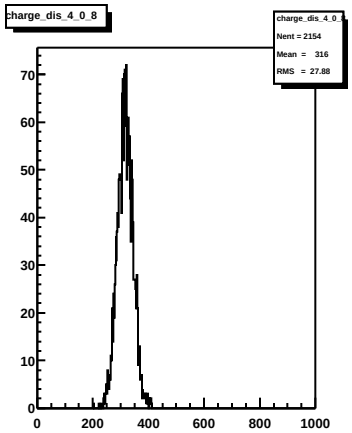
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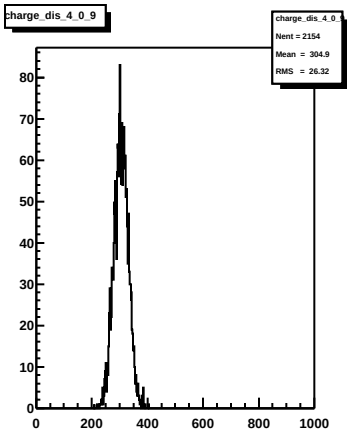
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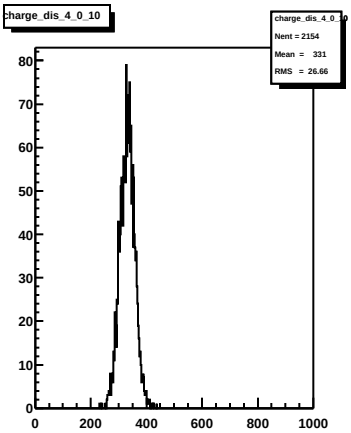
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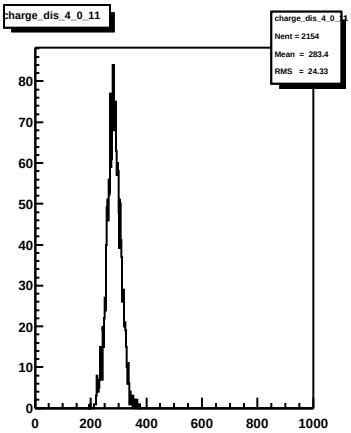
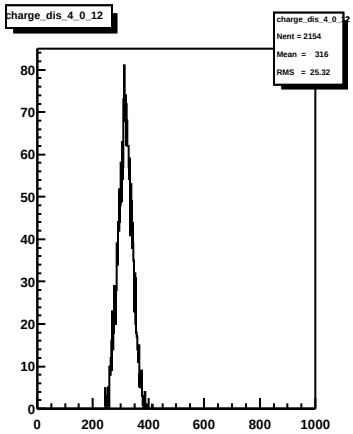
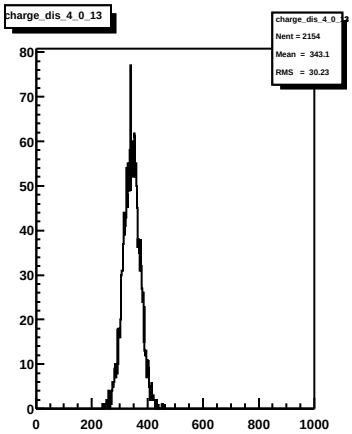
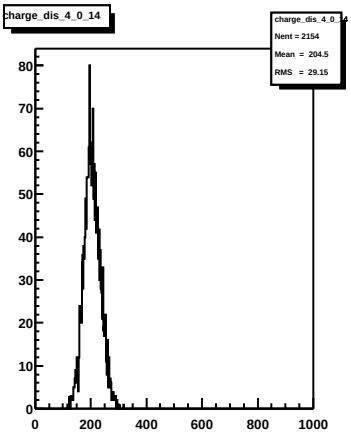
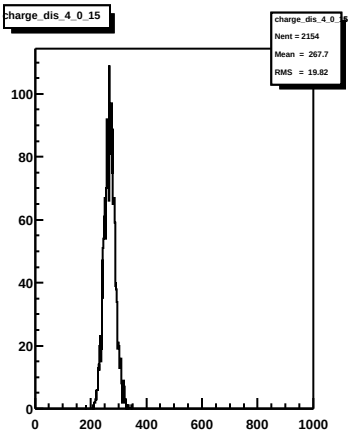
Mean = 331
RMS = 26.66

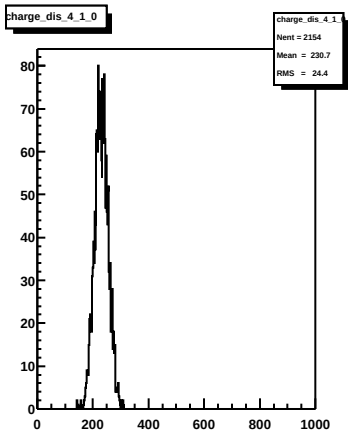

charge_dis_4_0_11
Nent = 2154
Mean = 283.4
RMS = 24.33

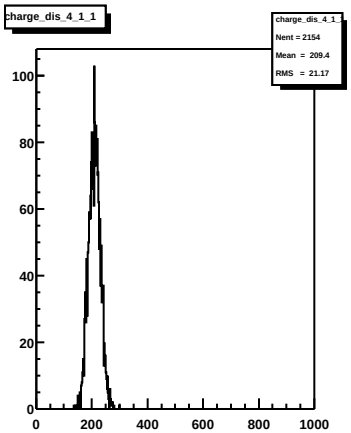

charge_dis_4_0_12
Nent = 2154
Mean = 316
RMS = 25.32

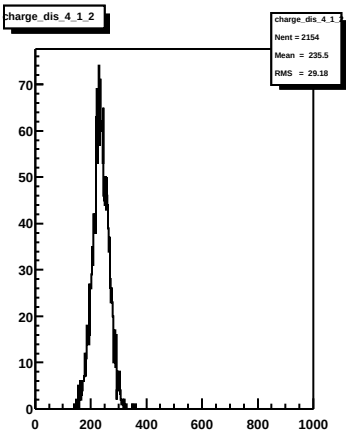

charge_dis_4_0_13
Nent = 2154
Mean = 343.1
RMS = 30.23

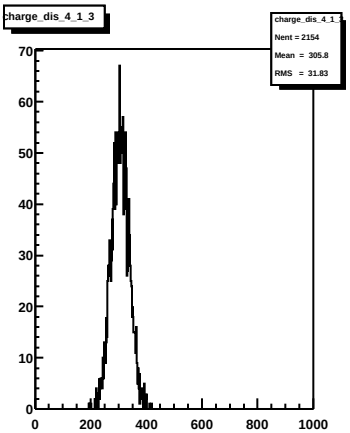

charge_dis_4_0_14
Nent = 2154
Mean = 204.5
RMS = 29.15

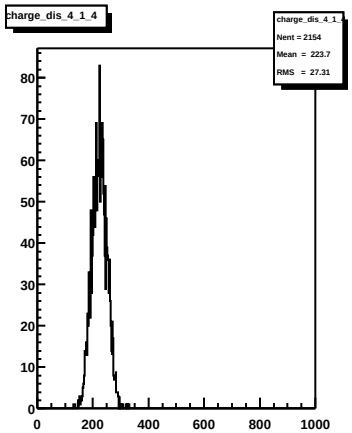

charge_dis_4_0_15
Nent = 2154
Mean = 267.7
RMS = 19.82

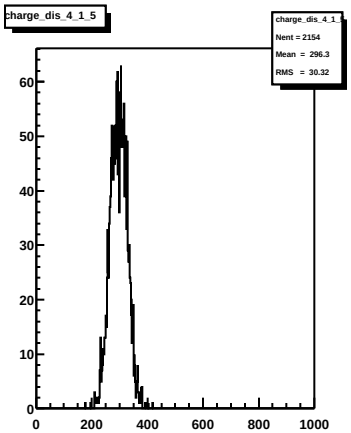

charge_dis_4_1_0
charge_dis_4_1_
Nent = 2154
Mean = 230.7
RMS = 24.4

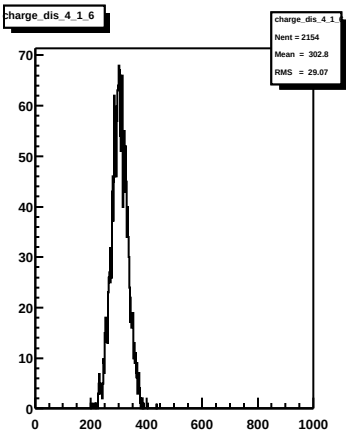

charge_dis_4_1_1
charge_dis_4_1_
Nent = 2154
Mean = 209.4
RMS = 21.17

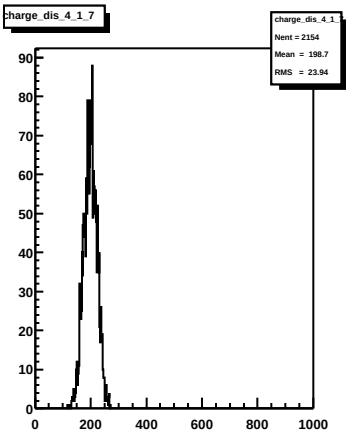

charge_dis_4_1_2
charge_dis_4_1_
Nent = 2154
Mean = 235.5
RMS = 29.18

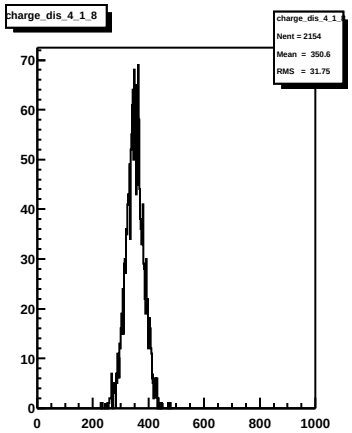

charge_dis_4_1_3
charge_dis_4_1_
Nent = 2154
Mean = 305.8
RMS = 31.83

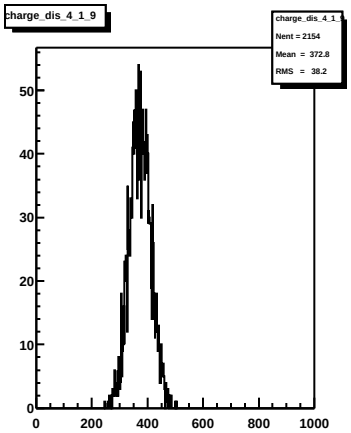

charge_dis_4_1_4
charge_dis_4_1_
Nent = 2154
Mean = 223.7
RMS = 27.31

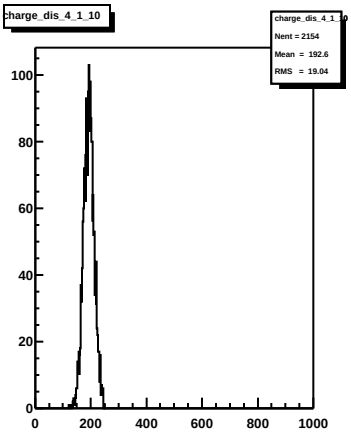

charge_dis_4_1_5
charge_dis_4_1_
Nent = 2154
Mean = 296.3
RMS = 30.32

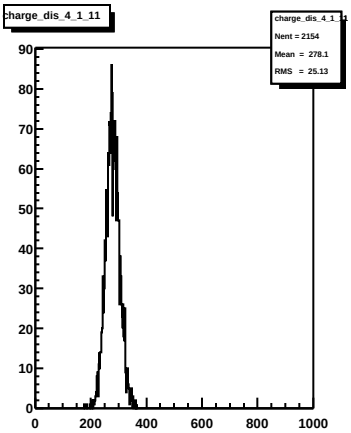

charge_dis_4_1_6
charge_dis_4_1_
Nent = 2154
Mean = 302.8
RMS = 29.07

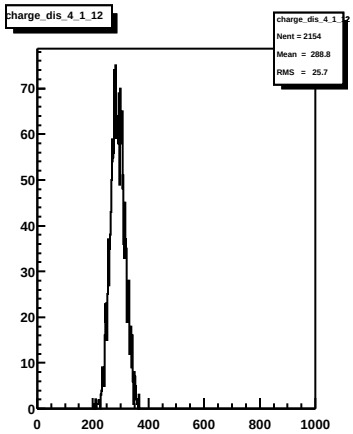

charge_dis_4_1_7
charge_dis_4_1_
Nent = 2154
Mean = 198.7
RMS = 23.94

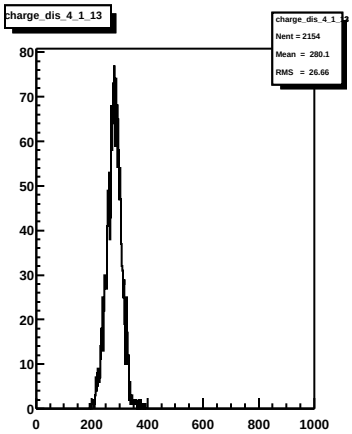

charge_dis_4_1_8
charge_dis_4_1_
Nent = 2154
Mean = 350.6
RMS = 31.75

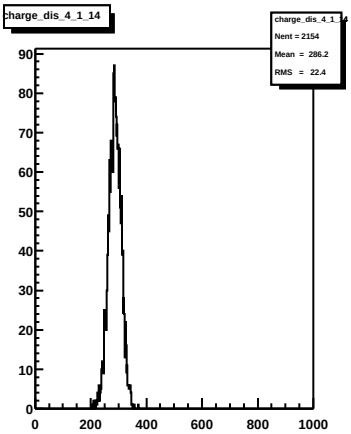

charge_dis_4_1_9
charge_dis_4_1_
Nent = 2154
Mean = 372.8
RMS = 38.2

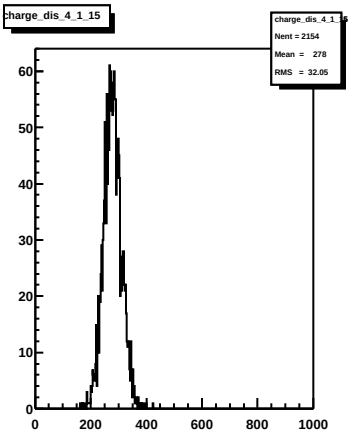

charge_dis_4_1_10
Nent = 2154
Mean = 192.6
RMS = 19.04

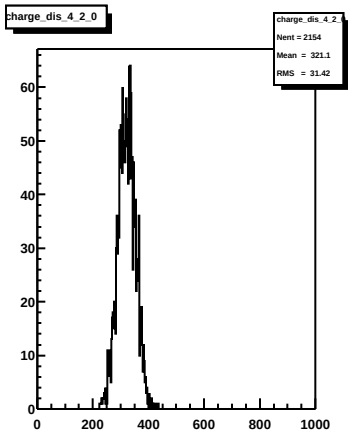

charge_dis_4_1_11
Nent = 2154
Mean = 278.1
RMS = 25.13

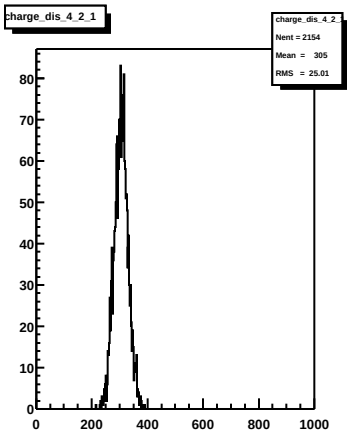

charge_dis_4_1_12
Nent = 2154
Mean = 288.8
RMS = 25.7

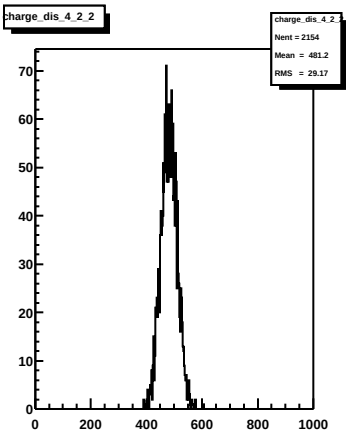

charge_dis_4_1_13
Nent = 2154
Mean = 280.1
RMS = 26.66

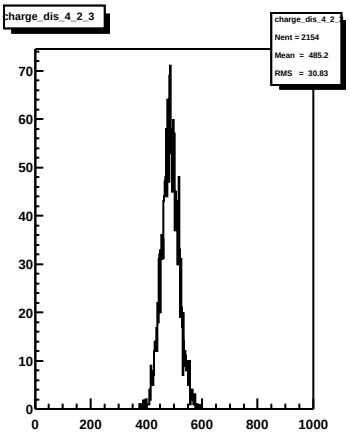

charge_dis_4_1_14
Nent = 2154
Mean = 286.2
RMS = 22.4

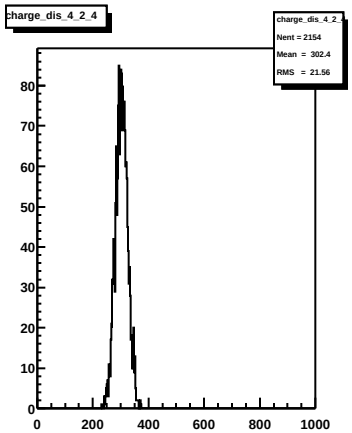

charge_dis_4_1_15
Nent = 2154
Mean = 278
RMS = 32.05

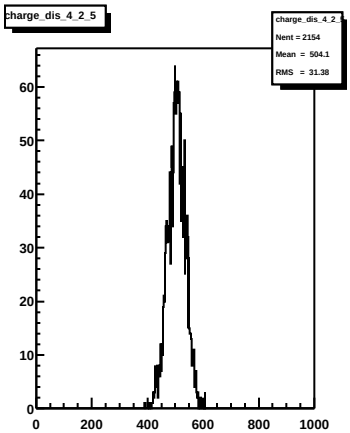

charge_dis_4_2_0
charge_dis_4_2_
Nent = 2154
Mean = 321.1
RMS = 31.42

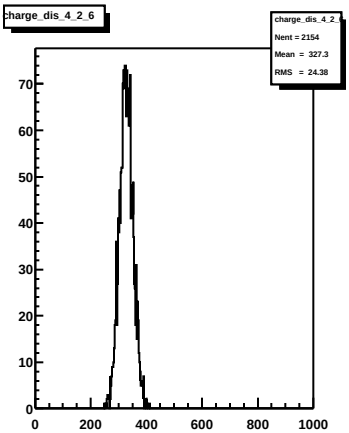

charge_dis_4_2_1
charge_dis_4_2_
Nent = 2154
Mean = 305
RMS = 25.01

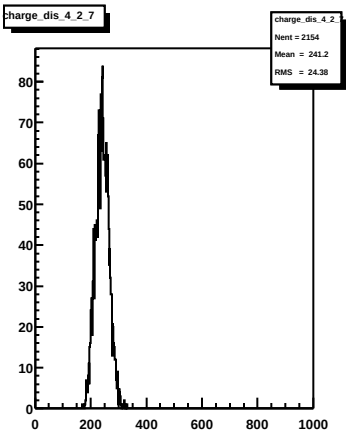

charge_dis_4_2_2
charge_dis_4_2_
Nent = 2154
Mean = 481.2
RMS = 29.17

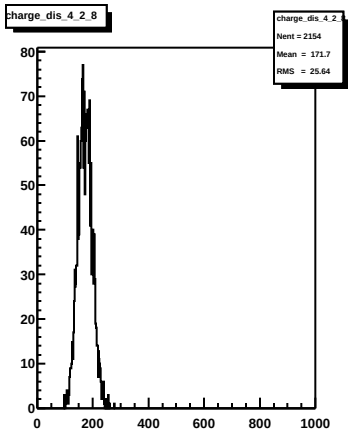

charge_dis_4_2_3
charge_dis_4_2_
Nent = 2154
Mean = 485.2
RMS = 30.83

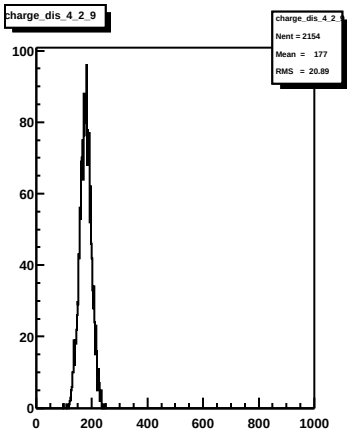

charge_dis_4_2_4
charge_dis_4_2_
Nent = 2154
Mean = 302.4
RMS = 21.56

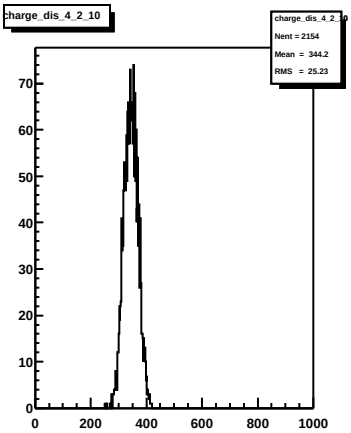

charge_dis_4_2_5
charge_dis_4_2_
Nent = 2154
Mean = 504.1
RMS = 31.38

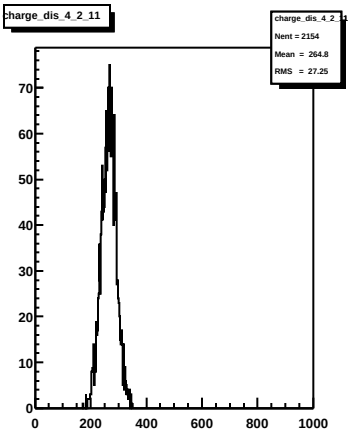

charge_dis_4_2_6
charge_dis_4_2_
Nent = 2154
Mean = 327.3
RMS = 24.38

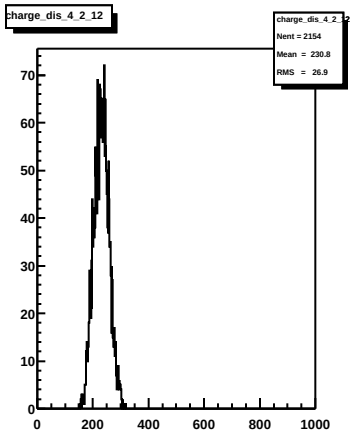

charge_dis_4_2_7
charge_dis_4_2_
Nent = 2154
Mean = 241.2
RMS = 24.38

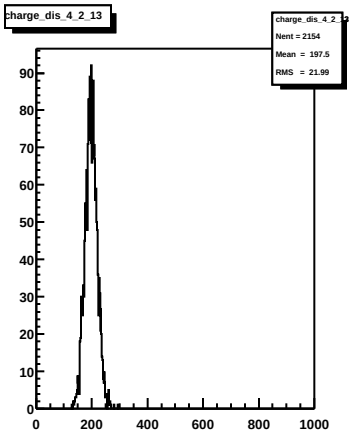

charge_dis_4_2_8
charge_dis_4_2_
Nent = 2154
Mean = 171.7
RMS = 25.64

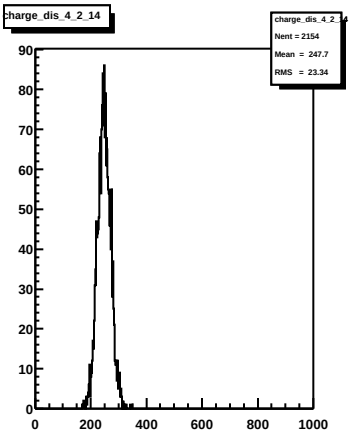

charge_dis_4_2_9
charge_dis_4_2_
Nent = 2154
Mean = 177
RMS = 20.89

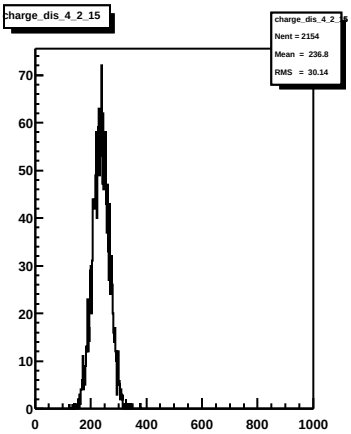

charge_dis_4_2_10
charge_dis_4_2_
Nent = 2154
Mean = 344.2
RMS = 25.23

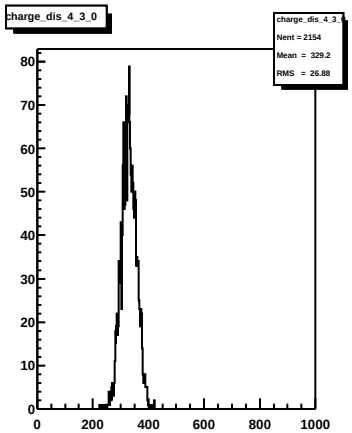

charge_dis_4_2_11
charge_dis_4_2_
Nent = 2154
Mean = 264.8
RMS = 27.25

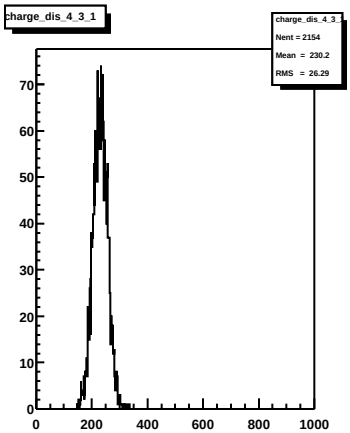

charge_dis_4_2_12
charge_dis_4_2_
Nent = 2154
Mean = 230.8
RMS = 26.9

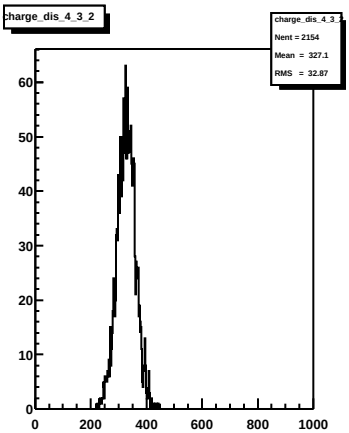

charge_dis_4_2_13
charge_dis_4_2_
Nent = 2154
Mean = 197.5
RMS = 21.99

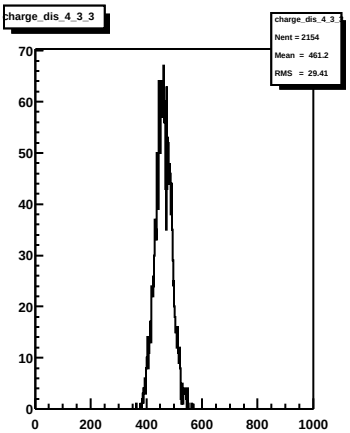

charge_dis_4_2_14
charge_dis_4_2_
Nent = 2154
Mean = 247.7
RMS = 23.34

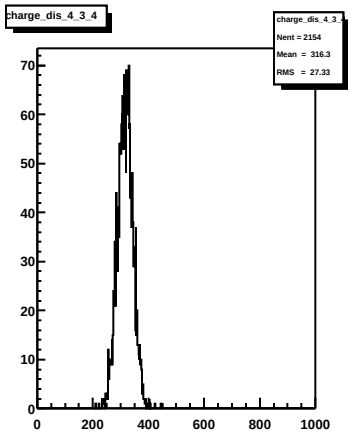

charge_dis_4_2_15
charge_dis_4_2_
Nent = 2154
Mean = 236.8
RMS = 30.14

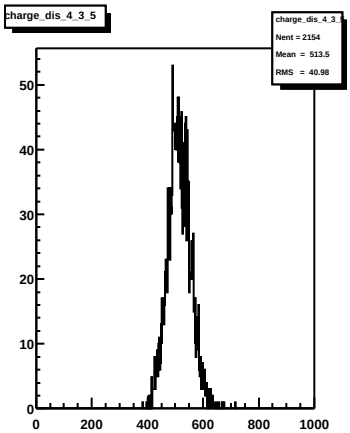

charge_dis_4_3_0
charge_dis_4_3_
Nent = 2154
Mean = 329.2
RMS = 26.88

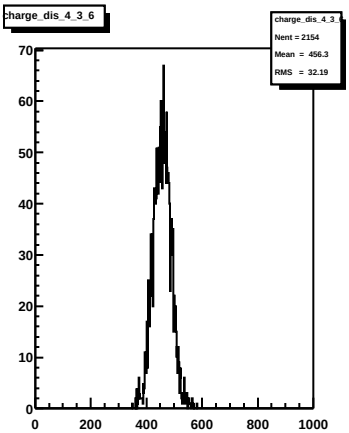

charge_dis_4_3_1
charge_dis_4_3_
Nent = 2154
Mean = 230.2
RMS = 26.29

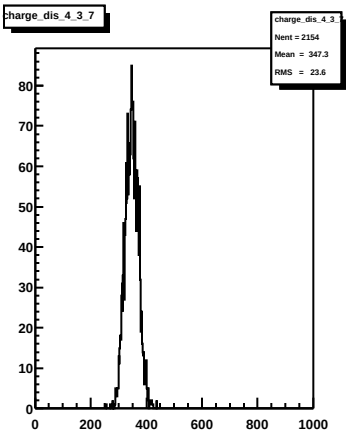

charge_dis_4_3_2
charge_dis_4_3_
Nent = 2154
Mean = 327.1
RMS = 32.87

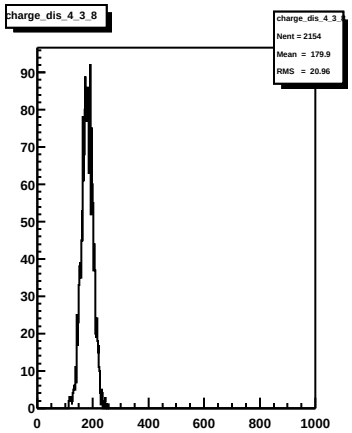

charge_dis_4_3_3
charge_dis_4_3_
Nent = 2154
Mean = 461.2
RMS = 29.41

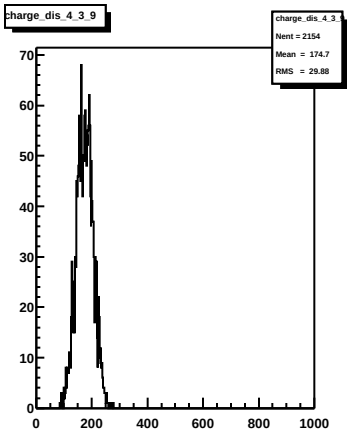

charge_dis_4_3_4
charge_dis_4_3_
Nent = 2154
Mean = 316.3
RMS = 27.33

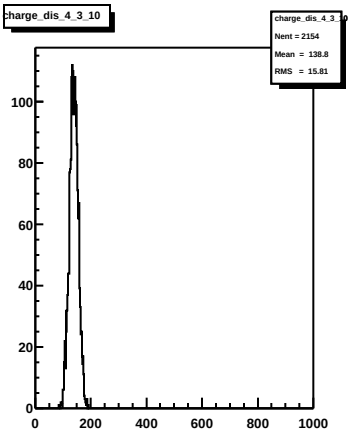

charge_dis_4_3_5
charge_dis_4_3_
Nent = 2154
Mean = 513.5
RMS = 40.98

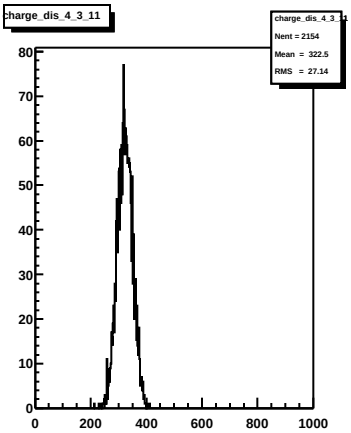

charge_dis_4_3_6
charge_dis_4_3_
Nent = 2154
Mean = 456.3
RMS = 32.19

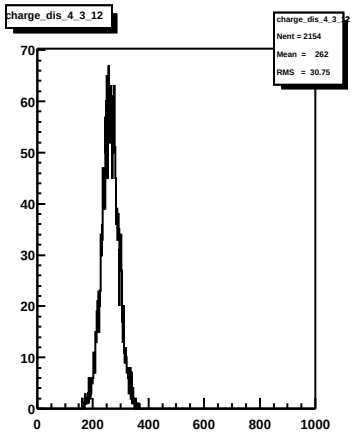

charge_dis_4_3_7
charge_dis_4_3_
Nent = 2154
Mean = 347.3
RMS = 23.6


charge_dis_4_3_8
charge_dis_4_3_
Nent = 2154
Mean = 179.9
RMS = 20.96


charge_dis_4_3_9
charge_dis_4_3_
Nent = 2154
Mean = 174.7
RMS = 29.88


charge_dis_4_3_10
Nent = 2154
Mean = 138.8
RMS = 15.81


charge_dis_4_3_11
Nent = 2154
Mean = 322.5
RMS = 27.14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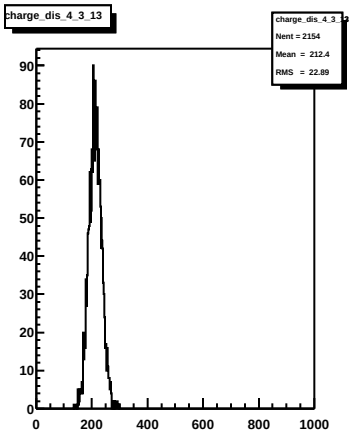
Nent = 2154
Mean = 262
RMS = 30.75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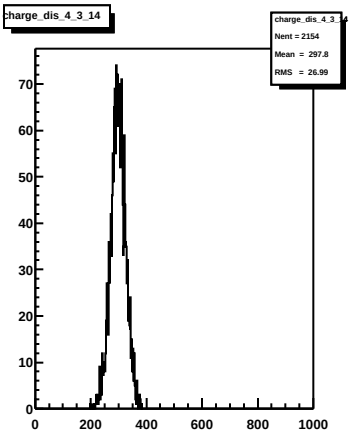
Nent = 2154
Mean = 212.4
RMS = 22.89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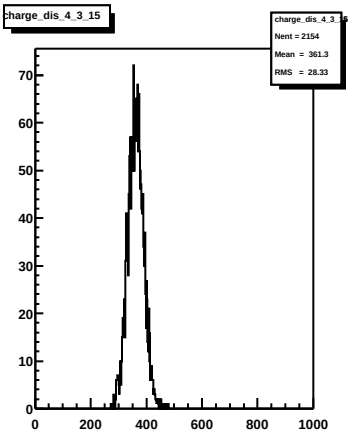
Mean = 297.8
RMS = 26.99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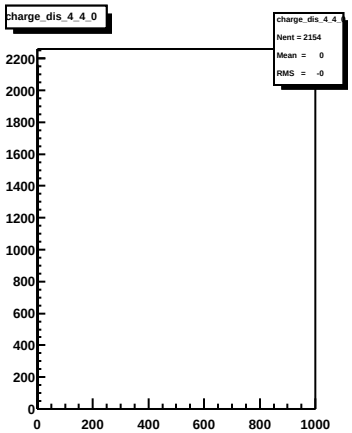
Mean = 361.3
RMS = 28.33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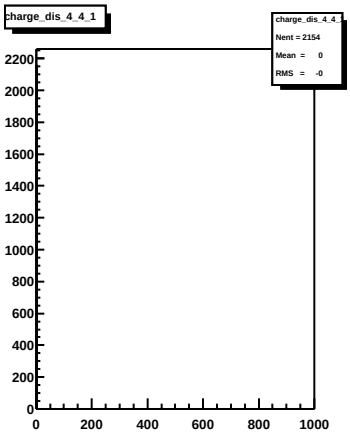
charge_dis_4_4_
Nent = 2154
Mean = 0
RMS = -0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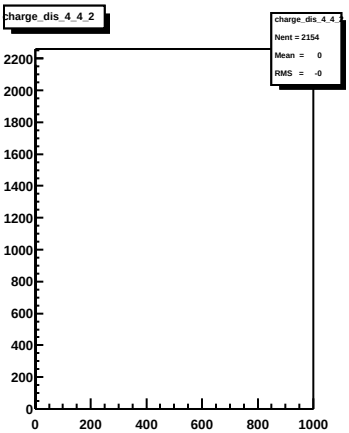
charge_dis_4_4_
Nent = 2154
Mean = 0
RMS = -0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charge_dis_4_4_
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Mean = 0
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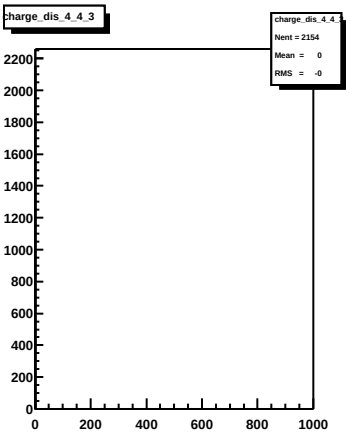
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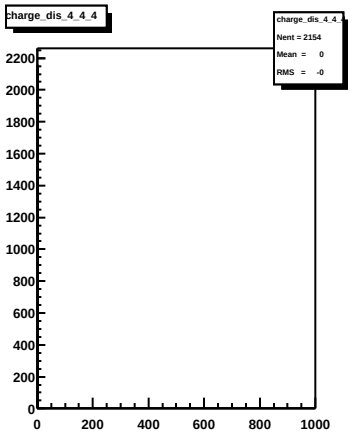
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charge_dis_4_4_
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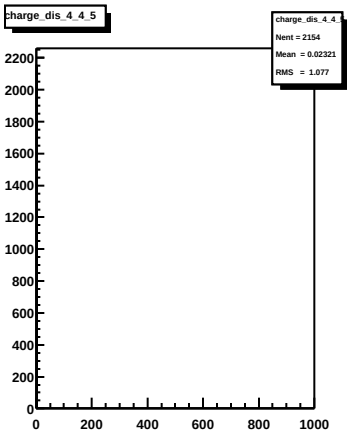
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charge_dis_4_4_
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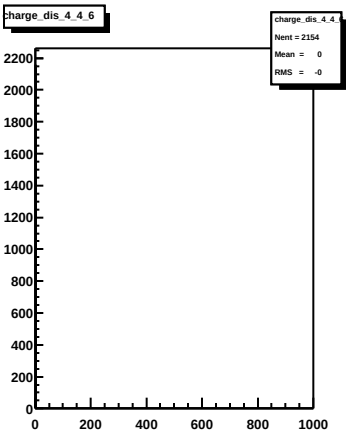
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charge_dis_4_4_
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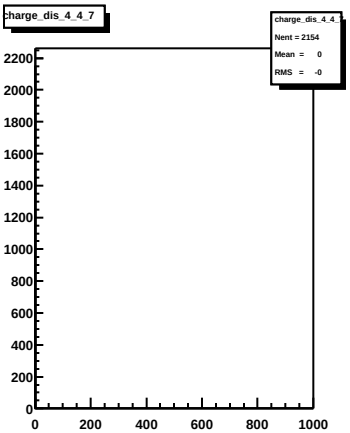
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charge_dis_4_4_
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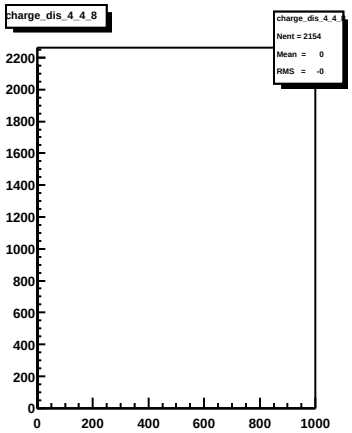
Mean = 0
RMS = -0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charge_dis_4_4_
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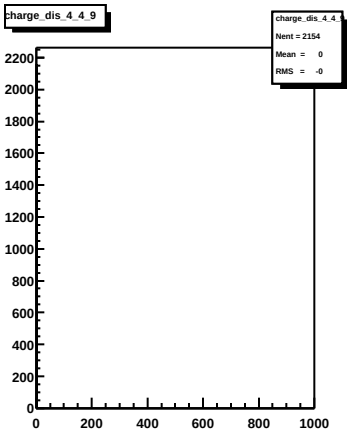
Mean = 0
RMS = -0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charge_dis_4_4_
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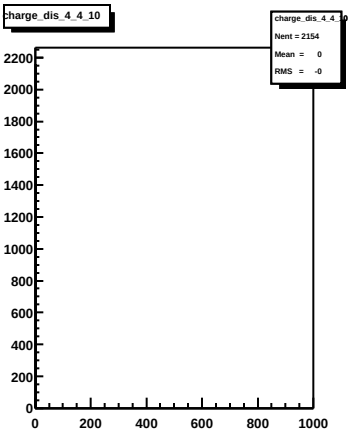
RMS = -0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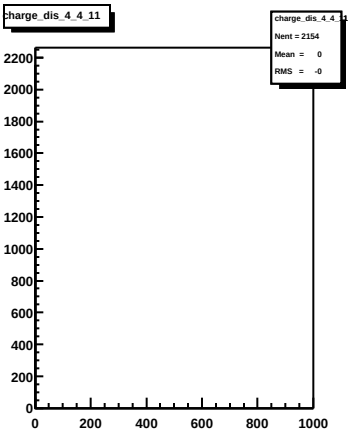
RMS = -0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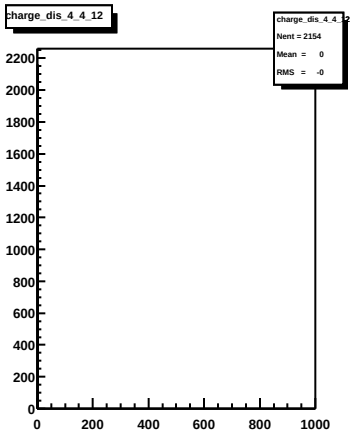
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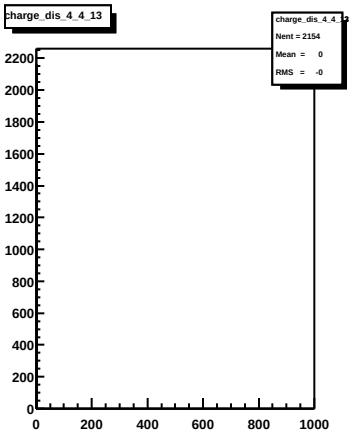
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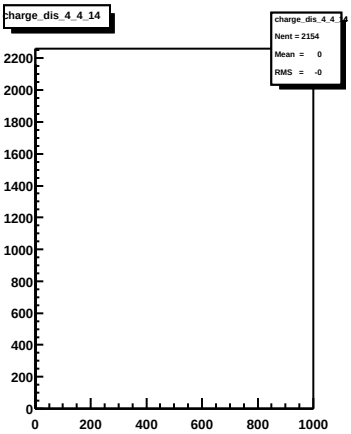
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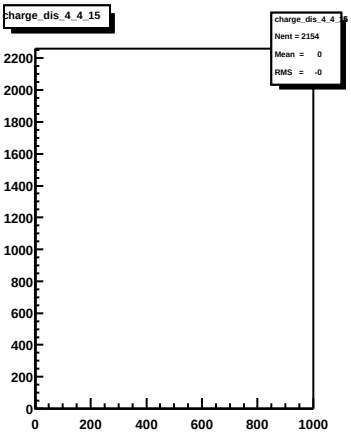
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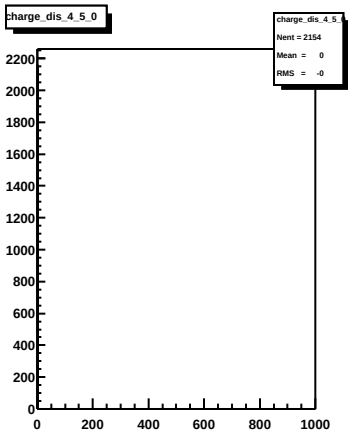
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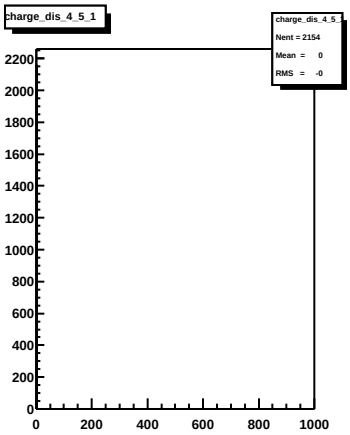
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charge_dis_4_5_
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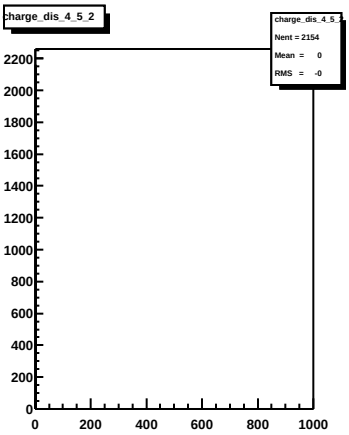
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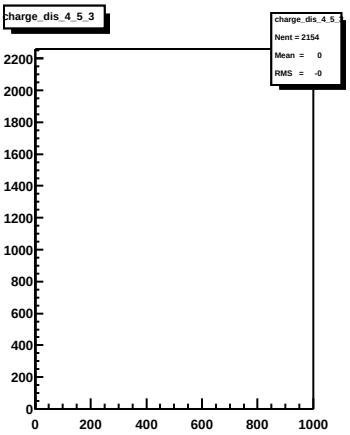
RMS = -0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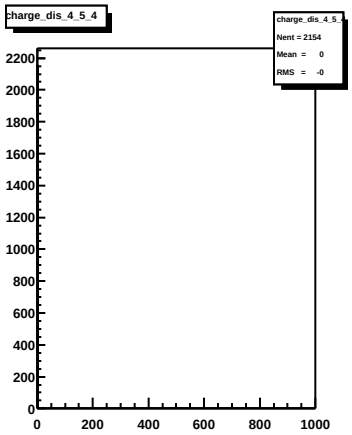
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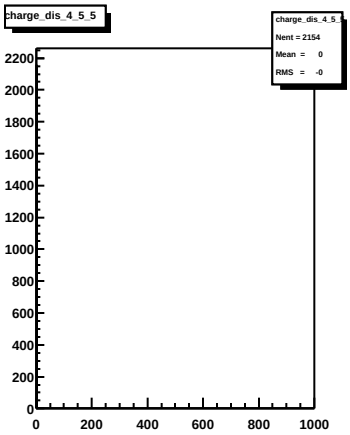
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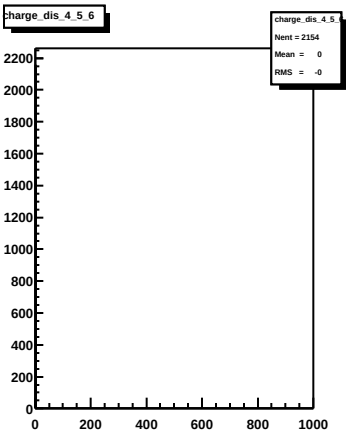
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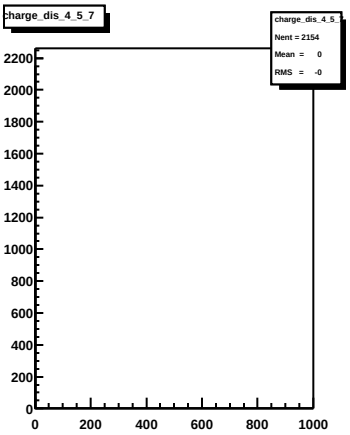
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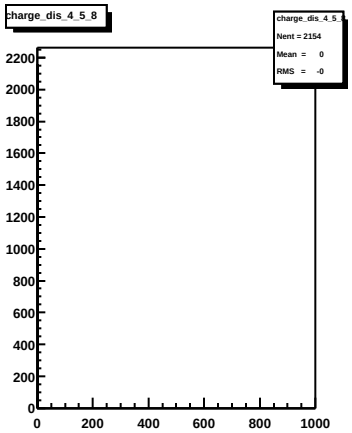
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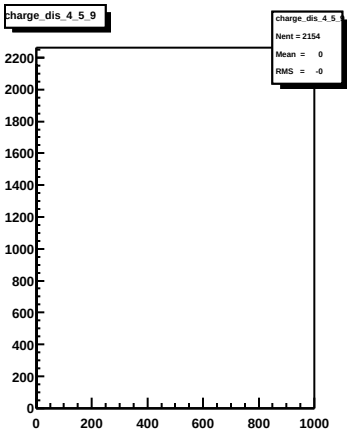
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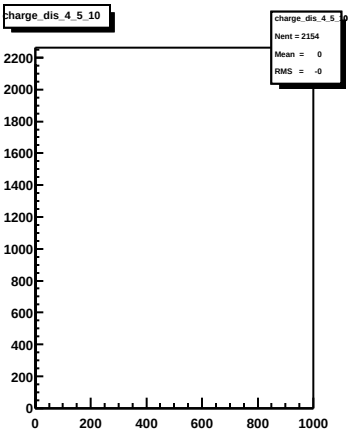
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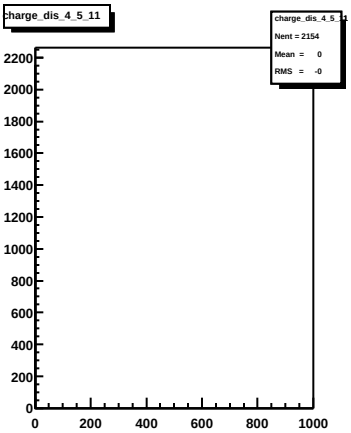
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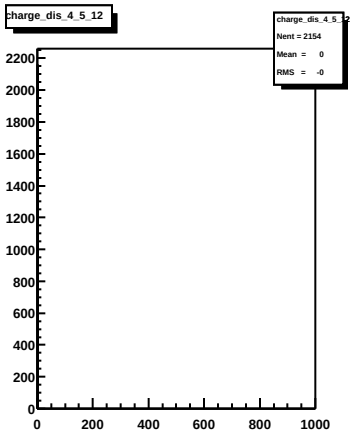
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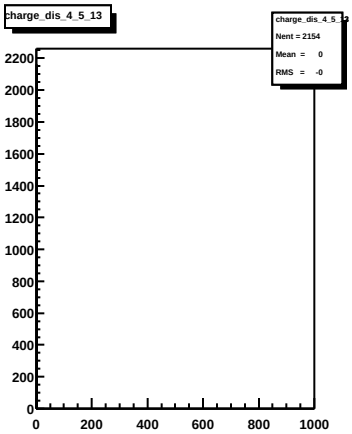
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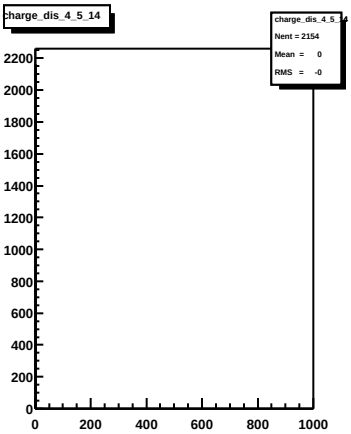
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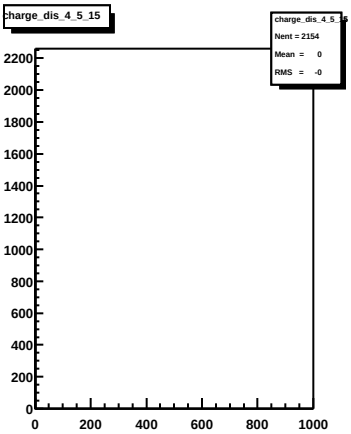
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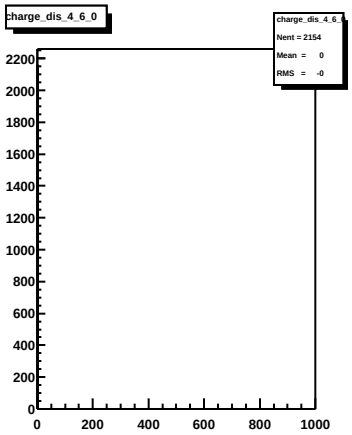
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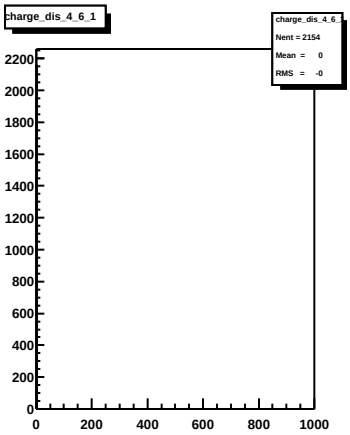
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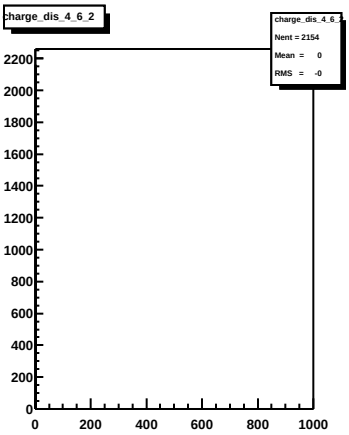
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charge_dis_4_6_
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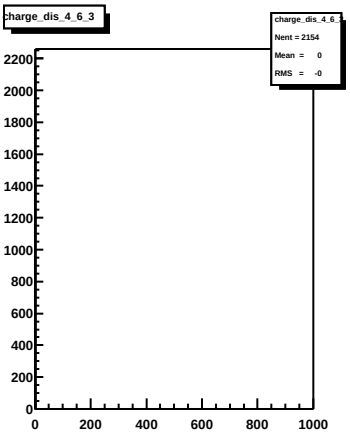
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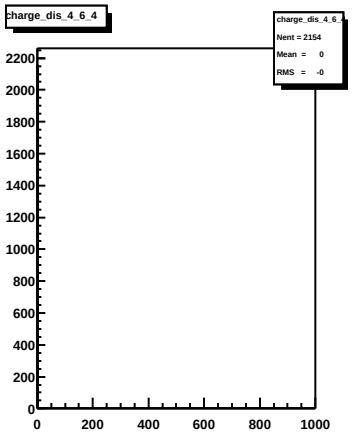
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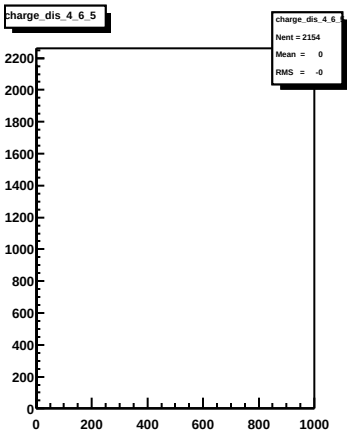
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charge_dis_4_6_
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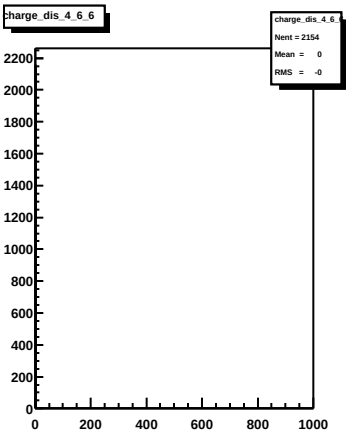
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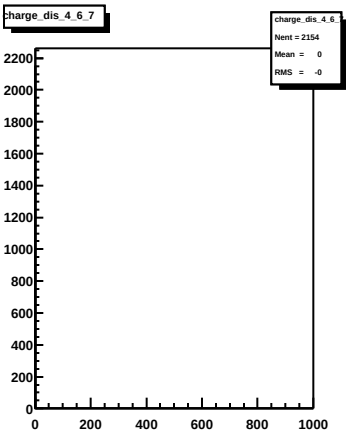
charge_dis_4_6_7
charge_dis_4_6_
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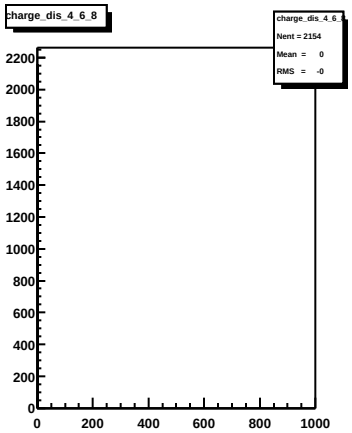
RMS = -0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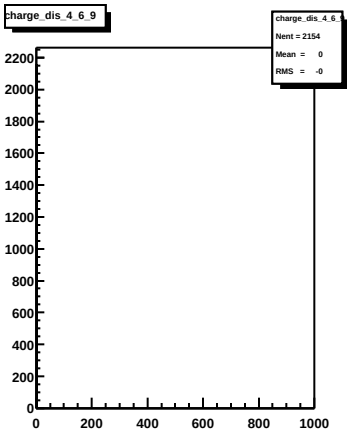
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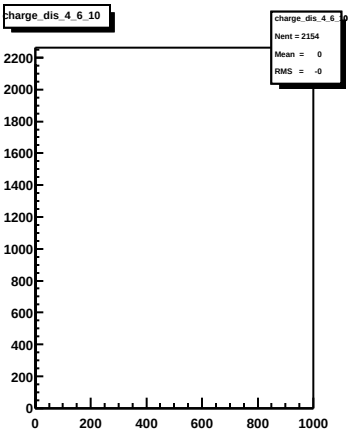
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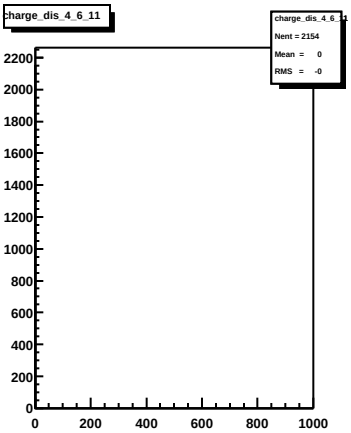
charge_dis_4_6_11
charge_dis_4_6_
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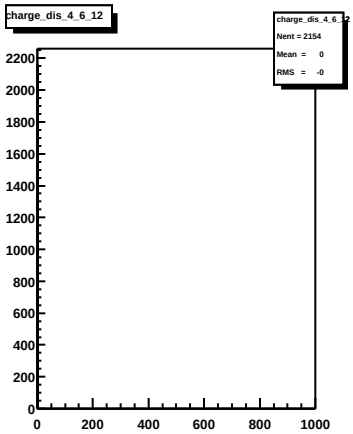
RMS = -0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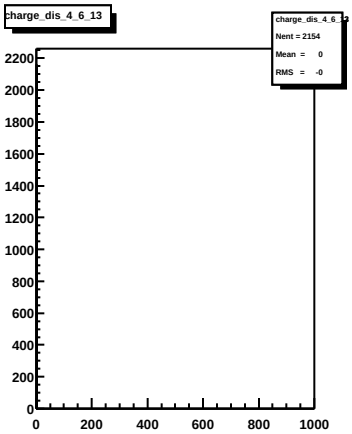
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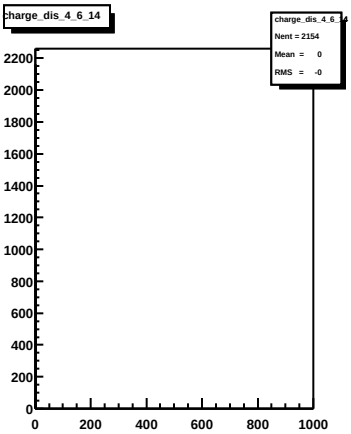
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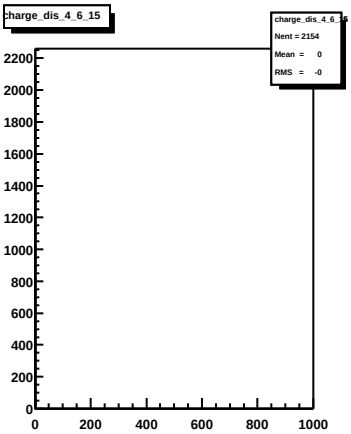
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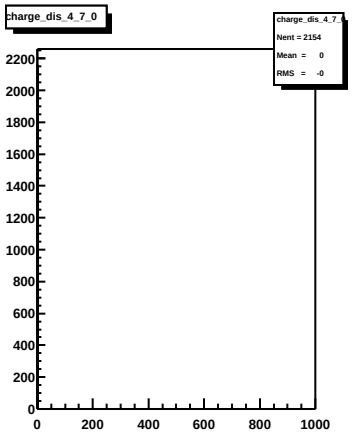
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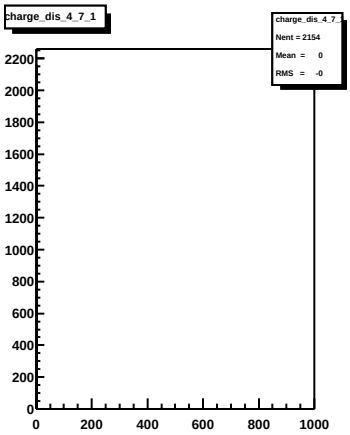
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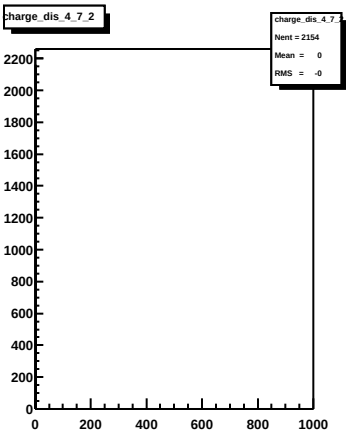
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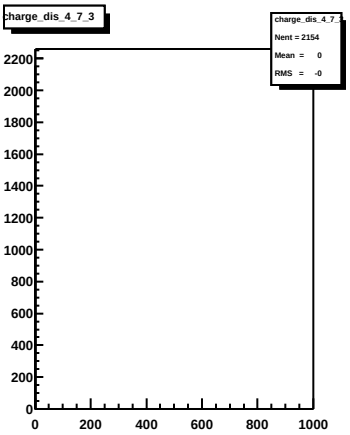
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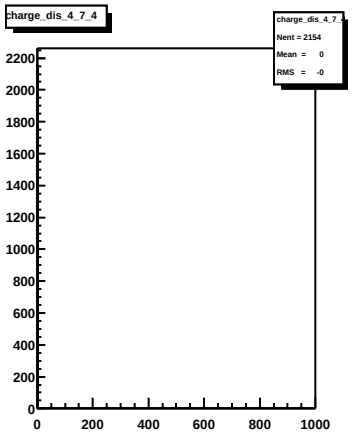
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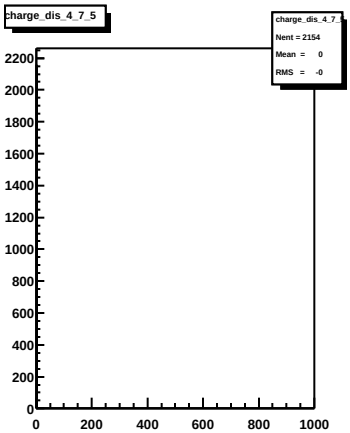
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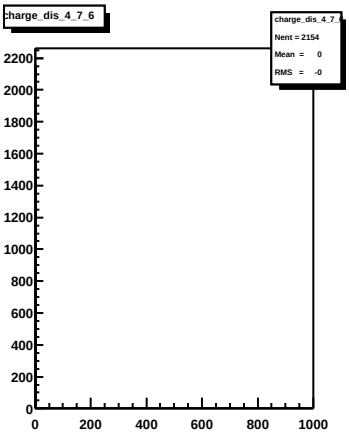
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charge_dis_4_7_
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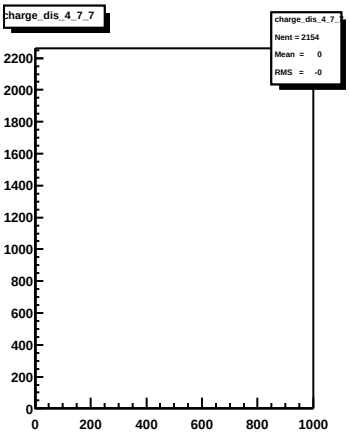
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charge_dis_4_7_
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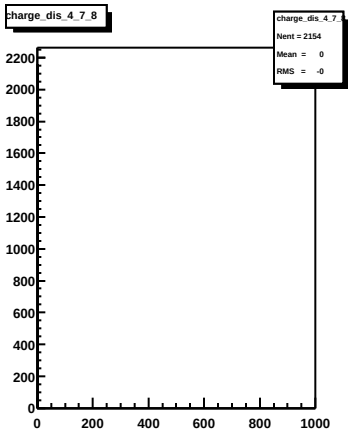
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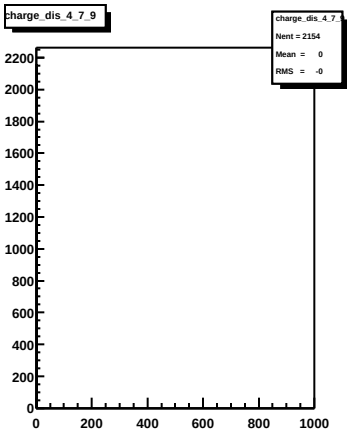
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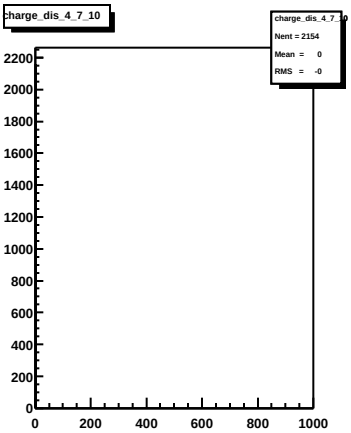
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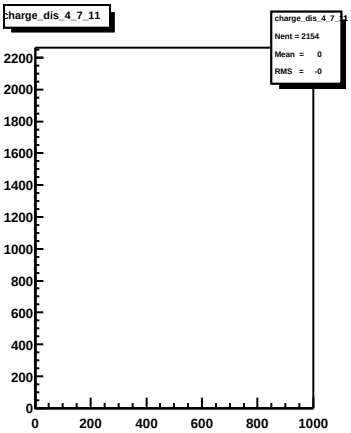
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charge_dis_4_7_
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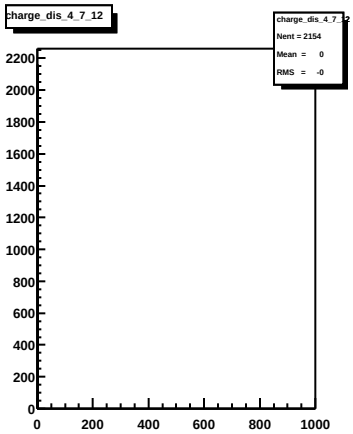
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charge_dis_4_7_
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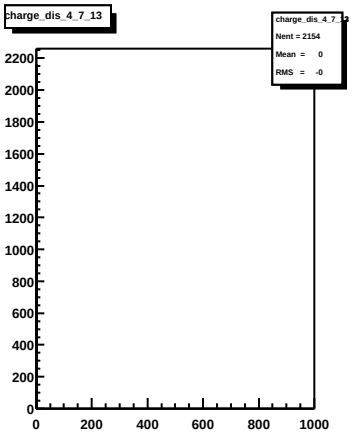
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charge_dis_4_7_
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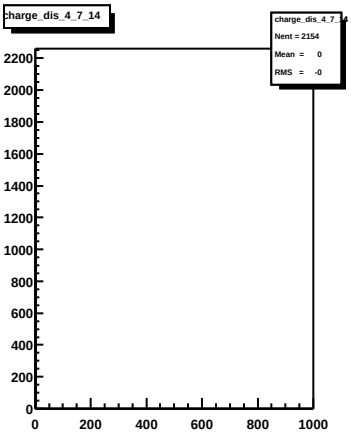
RMS = -0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charge_dis_4_7_
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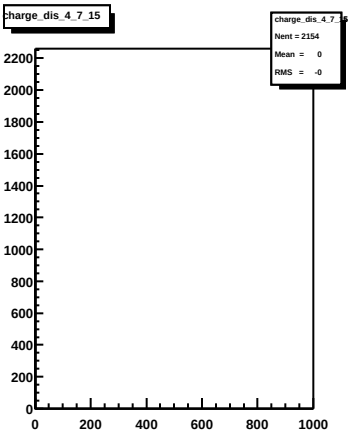
RMS = -0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charge_dis_4_7_
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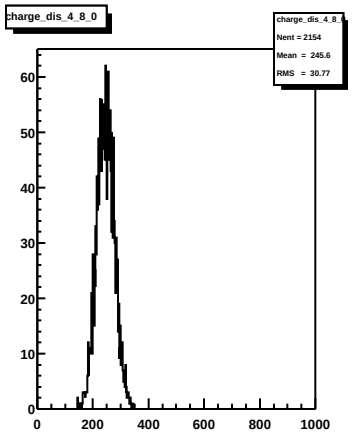
Mean = 0
RMS = -0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charge_dis_4_8_
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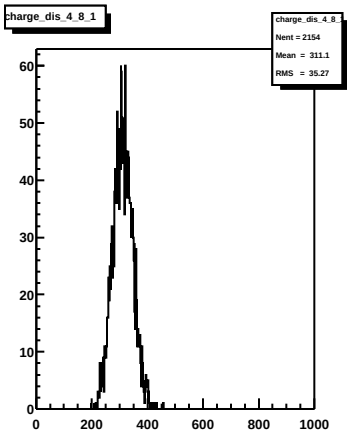
RMS = 30.77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charge_dis_4_8_
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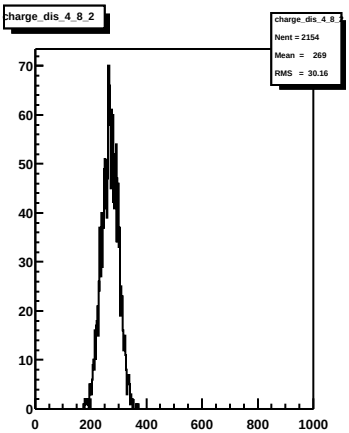
RMS = 35.27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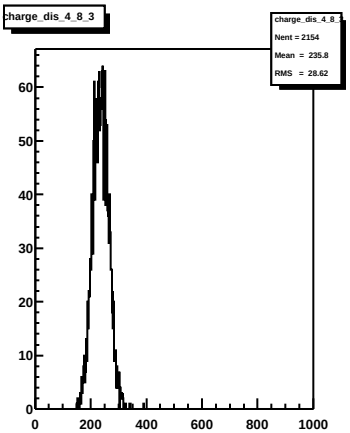
charge_dis_4_8_
Nent = 2154
Mean = 269
RMS = 30.16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charge_dis_4_8_
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Mean = 235.8
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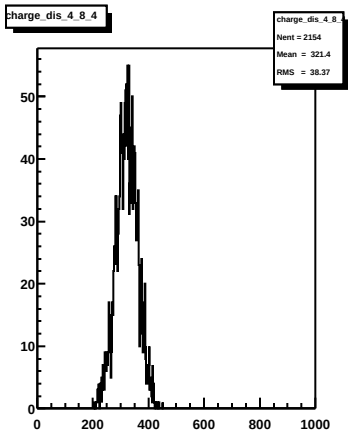
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charge_dis_4_8_
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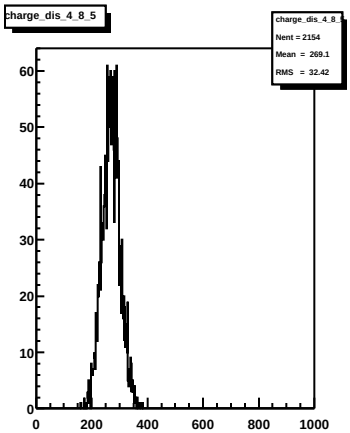
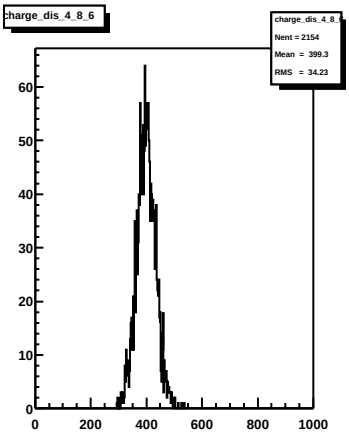
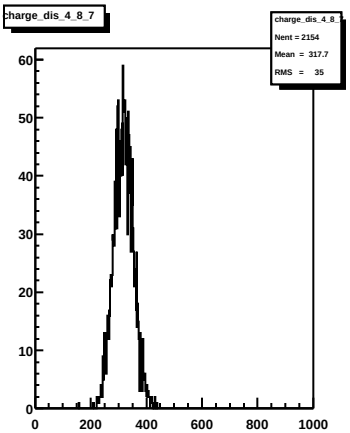
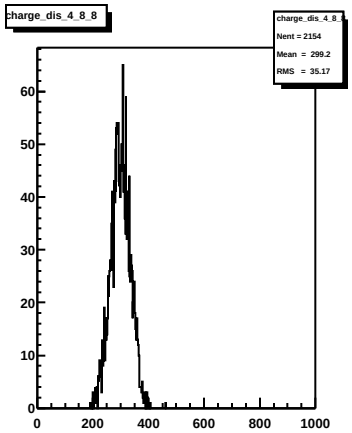
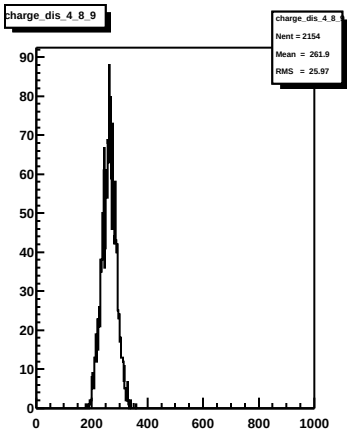
Mean = 321.4
RMS = 38.37

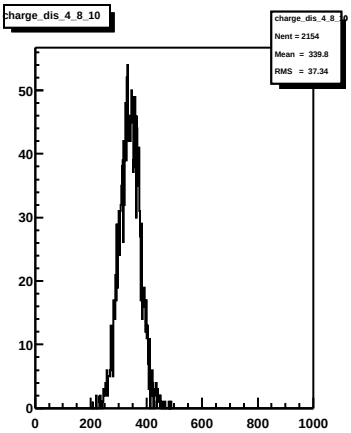

charge_dis_4_8_5
charge_dis_4_8_
Nent = 2154
Mean = 269.1
RMS = 32.42

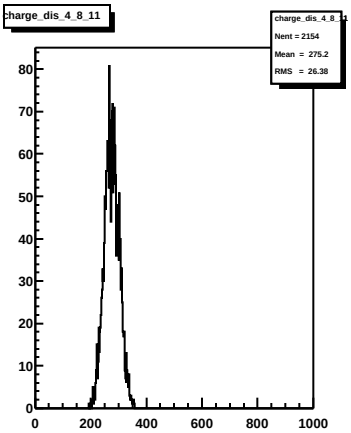

charge_dis_4_8_6
charge_dis_4_8_
Nent = 2154
Mean = 399.3
RMS = 34.23


charge_dis_4_8_7
charge_dis_4_8_
Nent = 2154
Mean = 317.7
RMS = 35


charge_dis_4_8_8
charge_dis_4_8_
Nent = 2154
Mean = 299.2
RMS = 35.17


charge_dis_4_8_9
charge_dis_4_8_
Nent = 2154
Mean = 261.9
RMS = 25.97


charge_dis_4_8_10
Nent = 2154
Mean = 339.8
RMS = 37.34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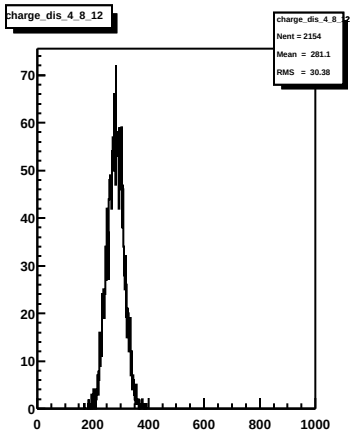
Nent = 2154
Mean = 275.2
RMS = 26.38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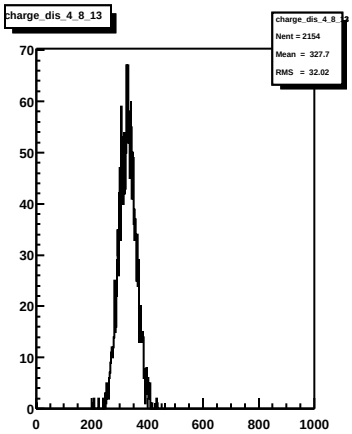
Mean = 281.1
RMS = 30.38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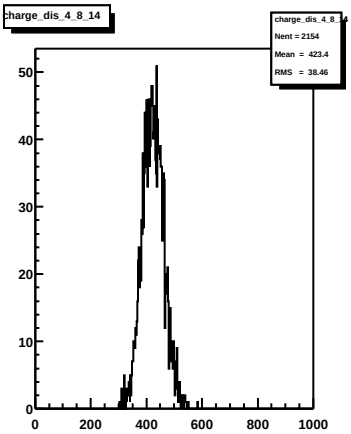
Nent = 2154
Mean = 327.7
RMS = 32.02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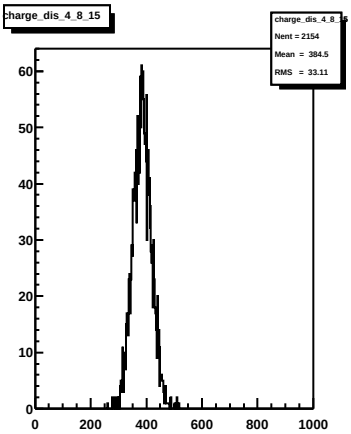
Nent = 2154
Mean = 423.4
RMS = 38.46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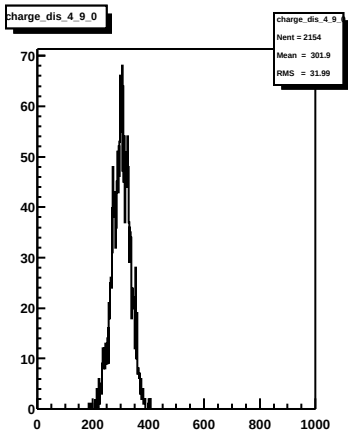
Mean = 384.5
RMS = 33.11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charge_dis_4_9_
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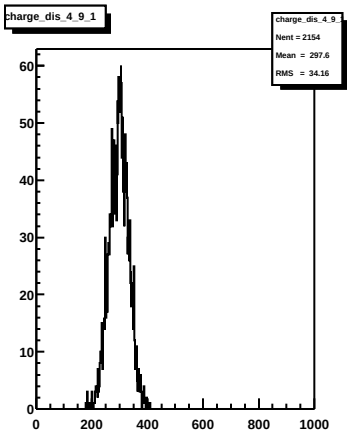
Mean = 301.9
RMS = 31.99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charge_dis_4_9_
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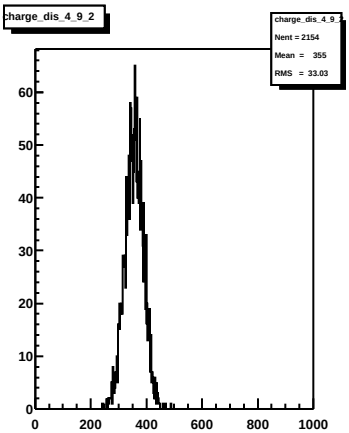
Mean = 297.6
RMS = 34.16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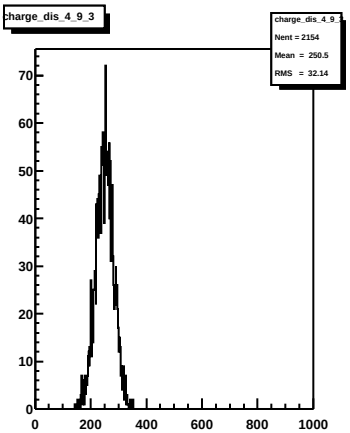
Nent = 2154
Mean = 355
RMS = 33.03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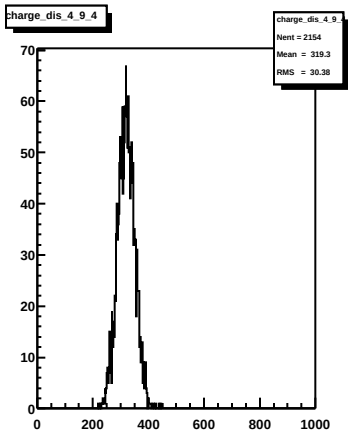
RMS = 32.14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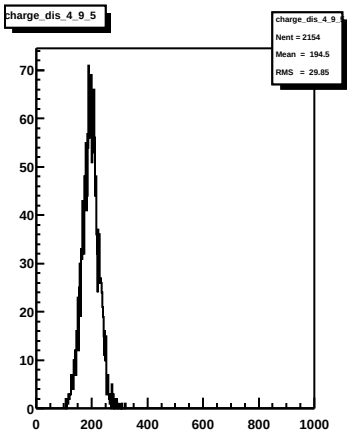
charge_dis_4_9_
Nent = 2154
Mean = 319.3
RMS = 30.38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charge_dis_4_9_
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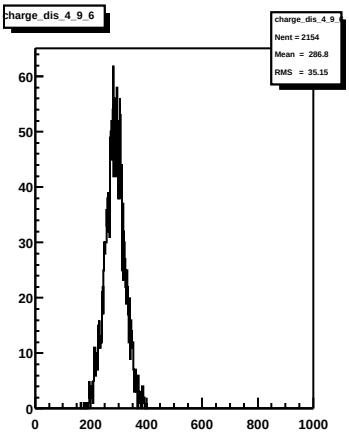
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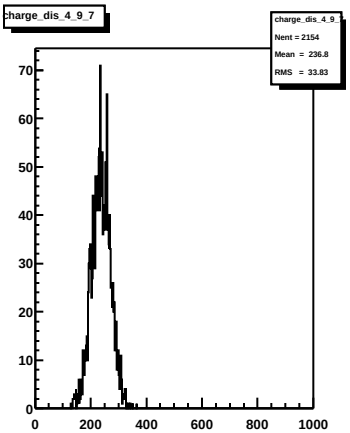
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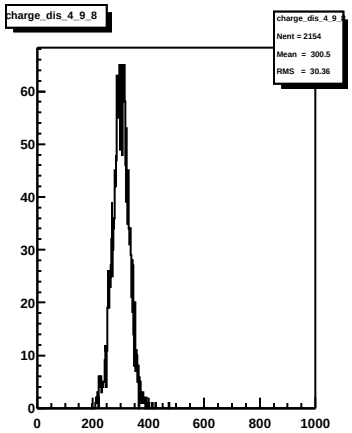
charge_dis_4_9_
Nent = 2154
Mean = 236.8
RMS = 33.83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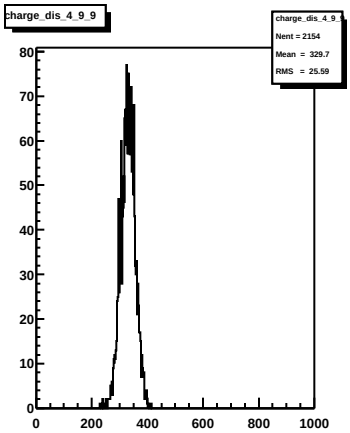
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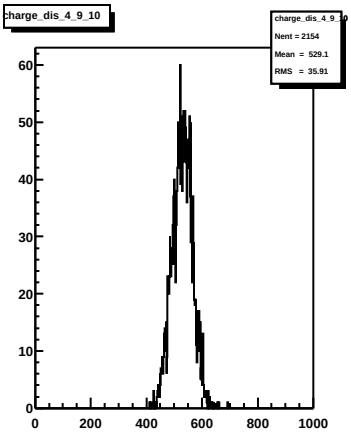
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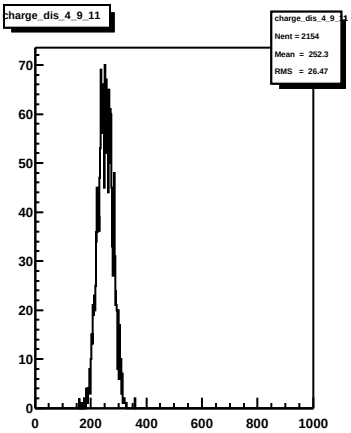
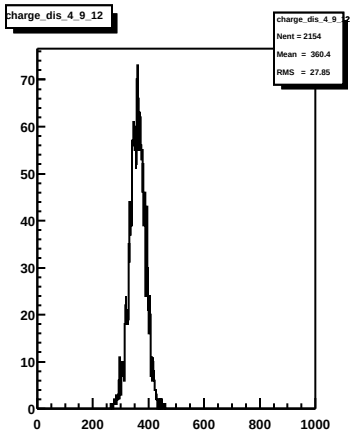
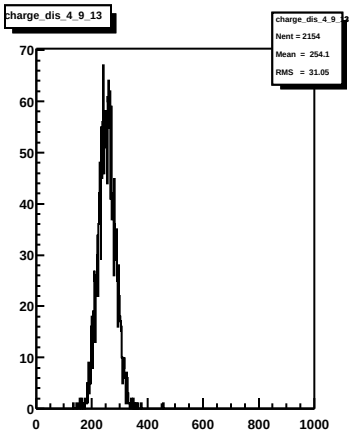
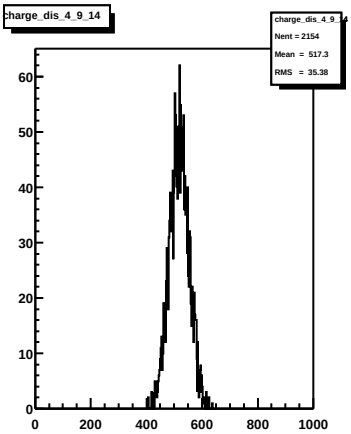
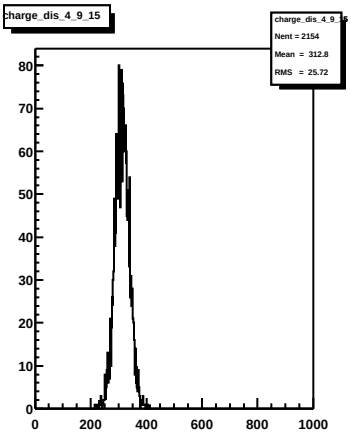
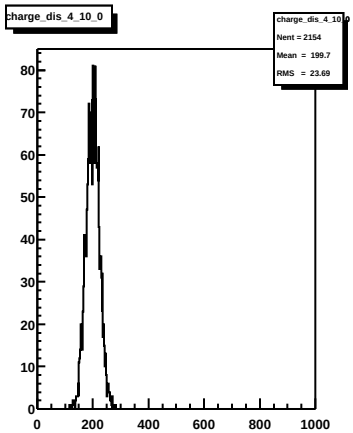

charge_dis_4_9_11
charge_dis_4_9_
Nent = 2154
Mean = 252.3
RMS = 26.47

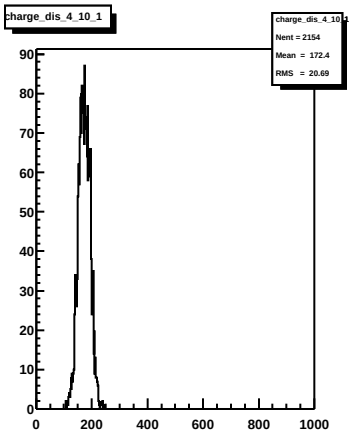

charge_dis_4_9_12
Nent = 2154
Mean = 360.4
RMS = 27.85

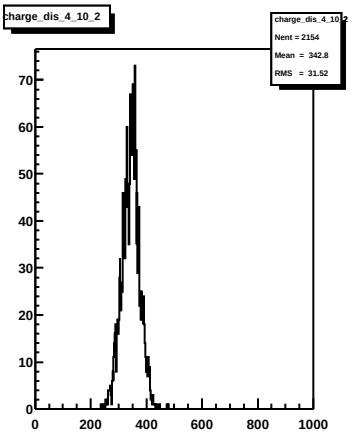

charge_dis_4_9_13
Nent = 2154
Mean = 254.1
RMS = 31.05

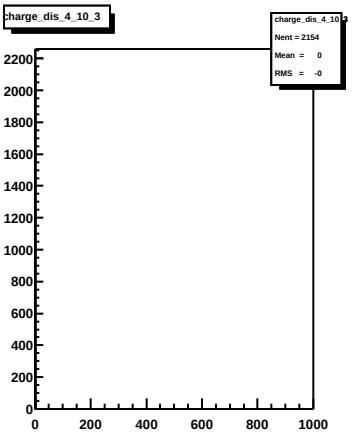

charge_dis_4_9_14
Nent = 2154
Mean = 517.3
RMS = 35.38

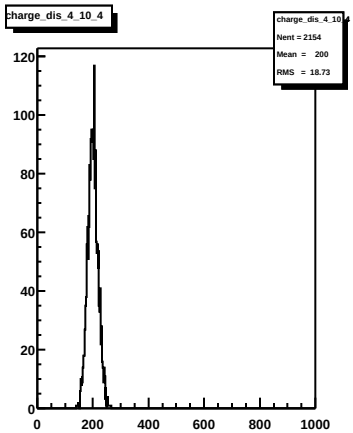

charge_dis_4_9_15
Nent = 2154
Mean = 312.8
RMS = 25.72

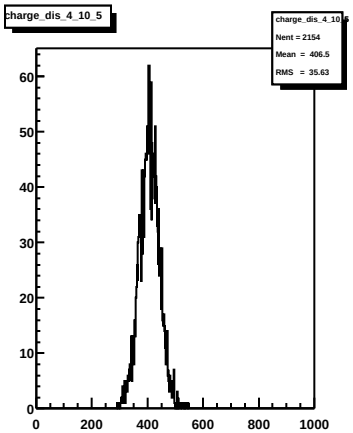

charge_dis_4_10_0
charge_dis_4_10_0
Nent = 2154
Mean = 199.7
RMS = 23.69

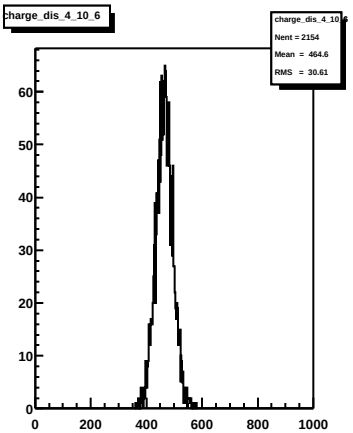

charge_dis_4_10_1
charge_dis_4_10_1
Nent = 2154
Mean = 172.4
RMS = 20.69

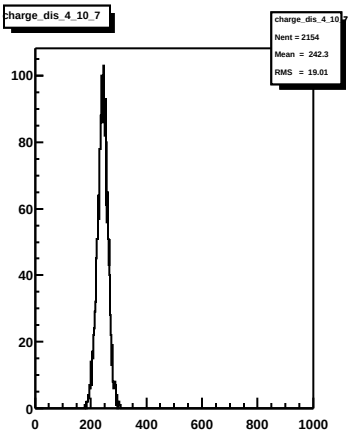

charge_dis_4_10_2
charge_dis_4_10_2
Nent = 2154
Mean = 342.8
RMS = 31.52

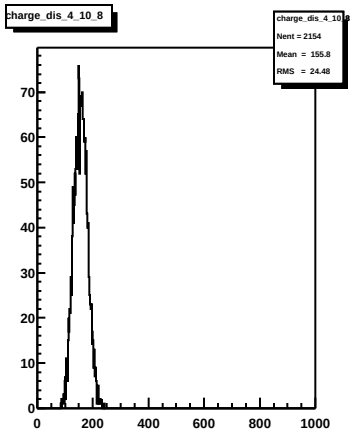

charge_dis_4_10_3
charge_dis_4_10_3
Nent = 2154
Mean = 0
RMS = -0

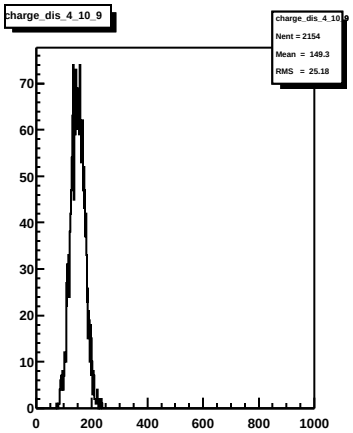

charge_dis_4_10_4
charge_dis_4_10_4
Nent = 2154
Mean = 200
RMS = 18.73

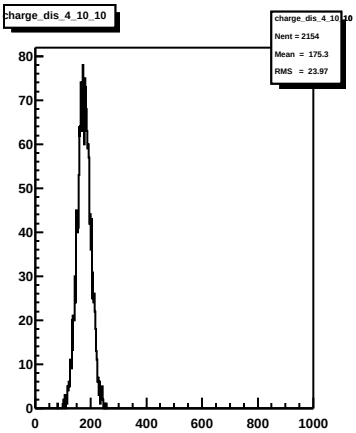

charge_dis_4_10_5
charge_dis_4_10_5
Nent = 2154
Mean = 406.5
RMS = 35.63

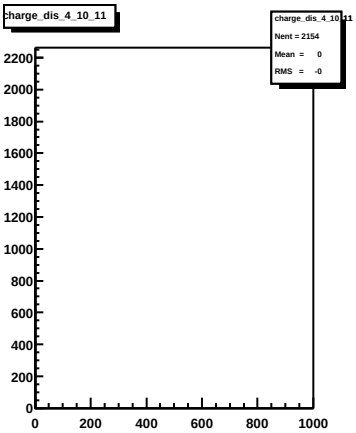

charge_dis_4_10_6
charge_dis_4_10_6
Nent = 2154
Mean = 464.6
RMS = 30.61

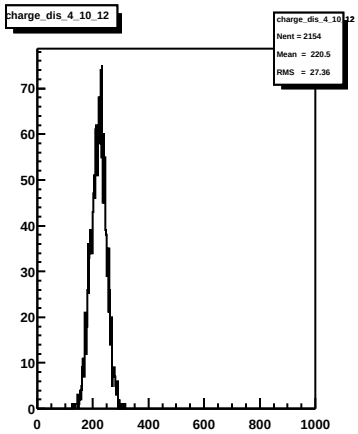

charge_dis_4_10_7
charge_dis_4_10_7
Nent = 2154
Mean = 242.3
RMS = 19.01

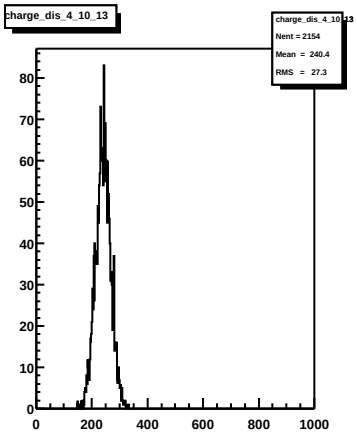

charge_dis_4_10_8
charge_dis_4_10_8
Nent = 2154
Mean = 155.8
RMS = 24.48

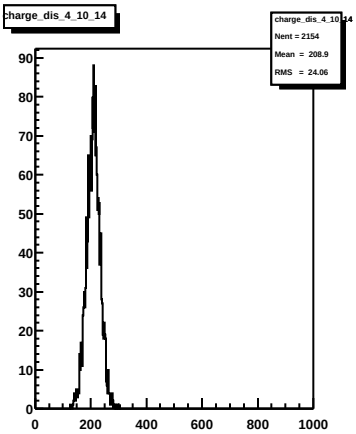

charge_dis_4_10_9
charge_dis_4_10_9
Nent = 2154
Mean = 149.3
RMS = 25.18

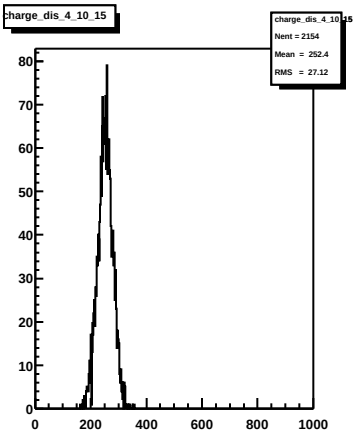

charge_dis_4_10_10
charge_dis_4_10_10
Nent = 2154
Mean = 175.3
RMS = 23.97

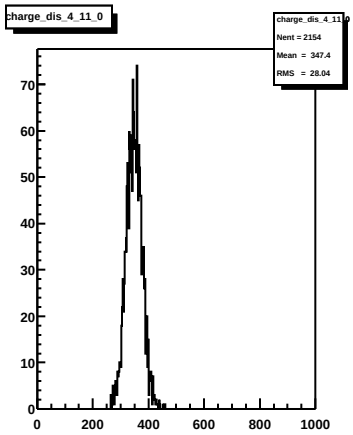

charge_dis_4_10_11
charge_dis_4_10_11
Nent = 2154
Mean = 0
RMS = -0

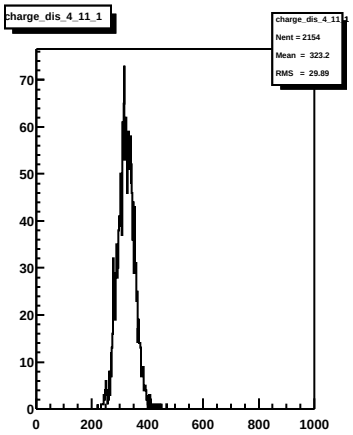

charge_dis_4_10_12
charge_dis_4_10_12
Nent = 2154
Mean = 220.5
RMS = 27.36

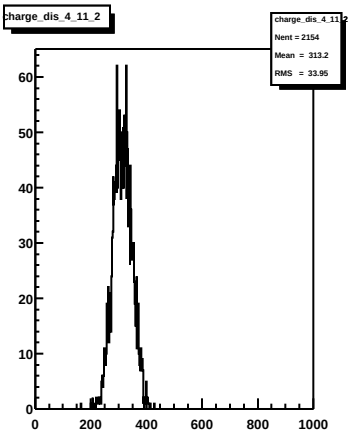

charge_dis_4_10_13
charge_dis_4_10_13
Nent = 2154
Mean = 240.4
RMS = 27.3

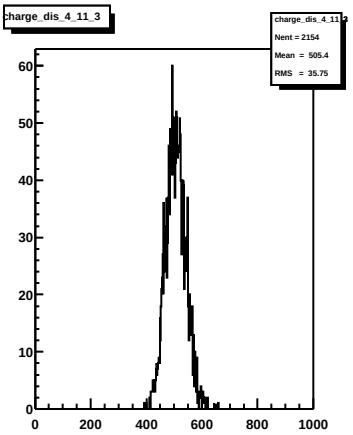

charge_dis_4_10_14
charge_dis_4_10_14
Nent = 2154
Mean = 208.9
RMS = 24.06

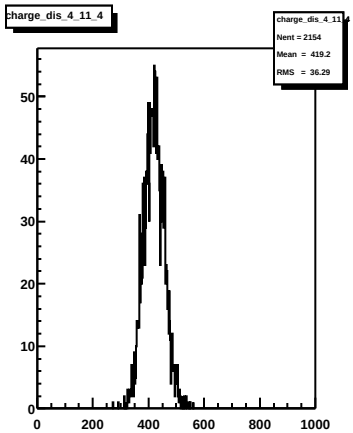

charge_dis_4_10_15
charge_dis_4_10_15
Nent = 2154
Mean = 252.4
RMS = 27.12

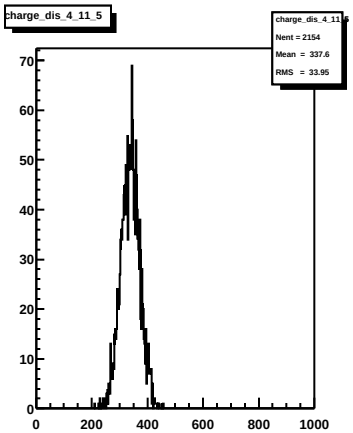

charge_dis_4_11_0
charge_dis_4_11_0
Nent = 2154
Mean = 347.4
RMS = 28.04

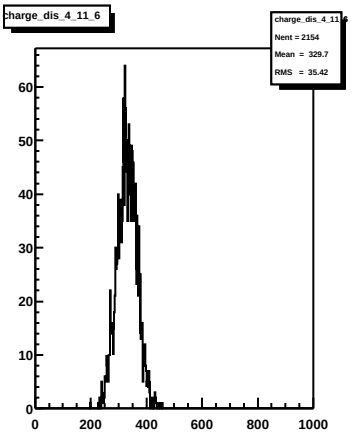

charge_dis_4_11_1
charge_dis_4_11_1
Nent = 2154
Mean = 323.2
RMS = 29.89

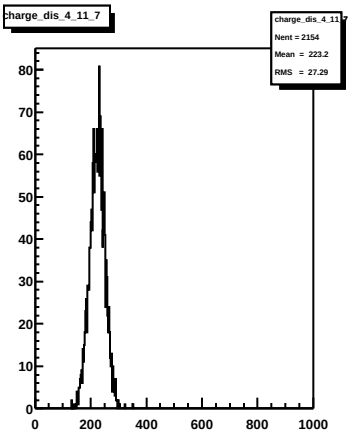

charge_dis_4_11_2
charge_dis_4_11_2
Nent = 2154
Mean = 313.2
RMS = 33.95

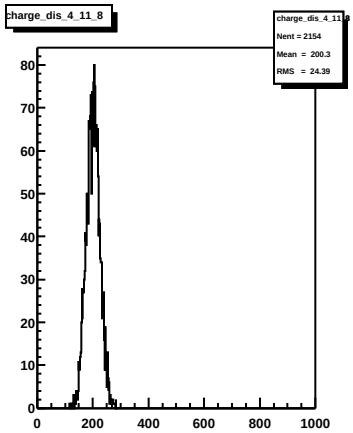

charge_dis_4_11_3
charge_dis_4_11_3
Nent = 2154
Mean = 505.4
RMS = 35.75

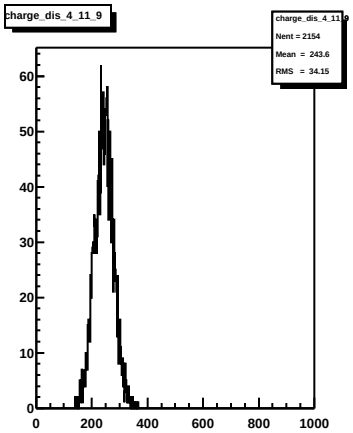

charge_dis_4_11_4
charge_dis_4_11_4
Nent = 2154
Mean = 419.2
RMS = 36.29

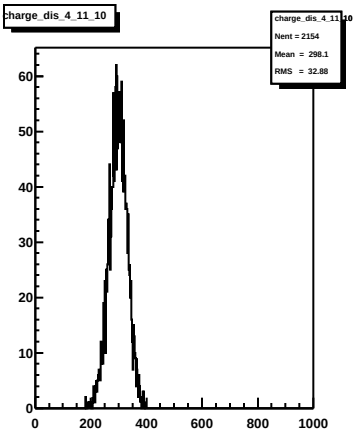

charge_dis_4_11_5
charge_dis_4_11_5
Nent = 2154
Mean = 337.6
RMS = 33.95

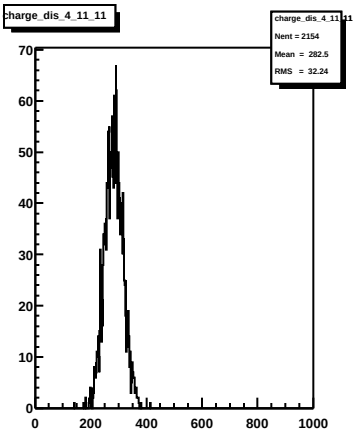

charge_dis_4_11_6
charge_dis_4_11_6
Nent = 2154
Mean = 329.7
RMS = 35.42

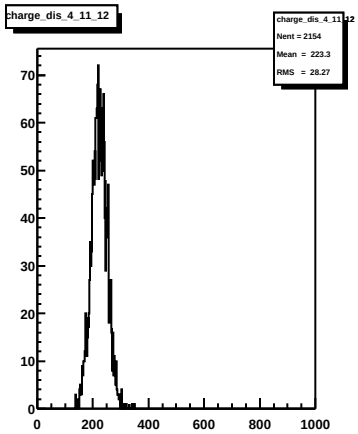

charge_dis_4_11_7
charge_dis_4_11_7
Nent = 2154
Mean = 223.2
RMS = 27.29

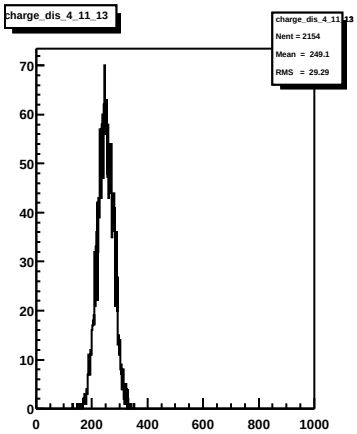

charge_dis_4_11_8
charge_dis_4_11_8
Nent = 2154
Mean = 200.3
RMS = 24.39

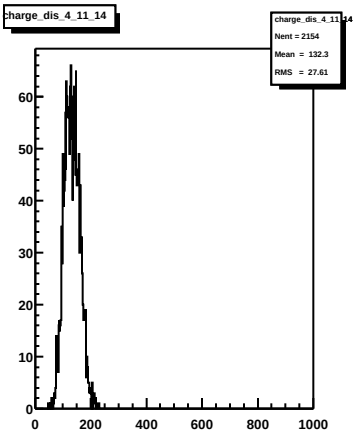

charge_dis_4_11_9
charge_dis_4_11_9
Nent = 2154
Mean = 243.6
RMS = 34.15

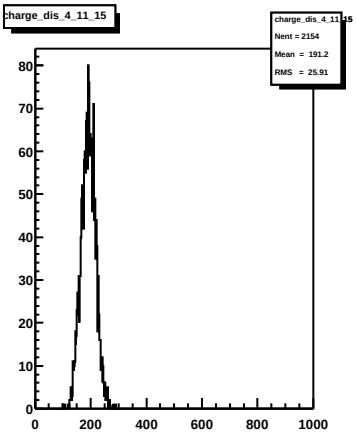

charge_dis_4_11_10
charge_dis_4_11_10
Nent = 2154
Mean = 298.1
RMS = 32.88

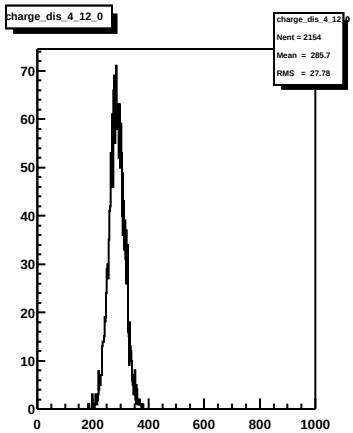

charge_dis_4_11_11
charge_dis_4_11_11
Nent = 2154
Mean = 282.5
RMS = 32.24


charge_dis_4_11_12
charge_dis_4_11_12
Nent = 2154
Mean = 223.3
RMS = 28.27


charge_dis_4_11_13
charge_dis_4_11_13
Nent = 2154
Mean = 249.1
RMS = 29.29


charge_dis_4_11_14
charge_dis_4_11_14
Nent = 2154
Mean = 132.3
RMS = 27.61


charge_dis_4_11_15
charge_dis_4_11_15
Nent = 2154
Mean = 191.2
RMS = 25.91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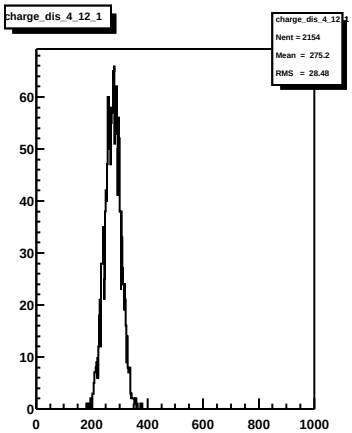
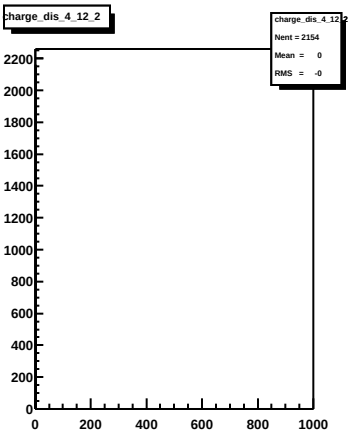
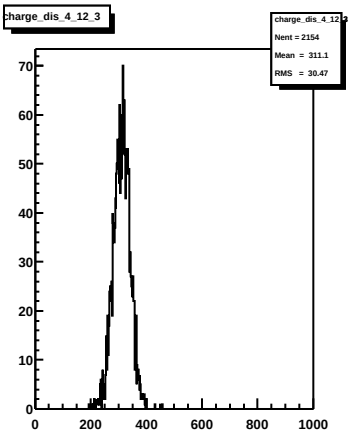
charge_dis_4_12_0
Nent = 2154
Mean = 285.7
RMS = 27.78


charge_dis_4_12_1
charge_dis_4_12_1
Nent = 2154
Mean = 275.2
RMS = 28.48


charge_dis_4_12_2
charge_dis_4_12_2
Nent = 2154
Mean = 0
RMS = -0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charge_dis_4_12_3
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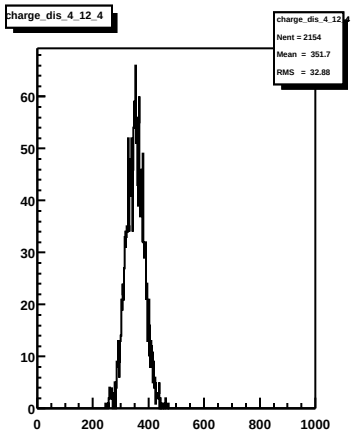
Mean = 311.1
RMS = 30.47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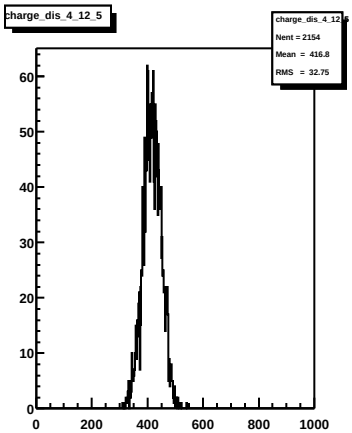
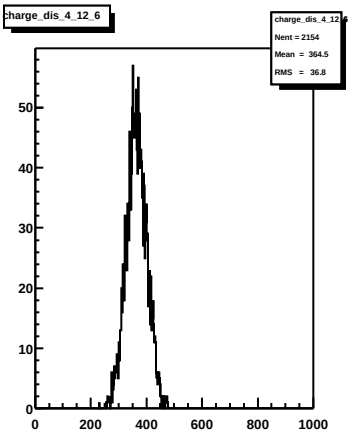
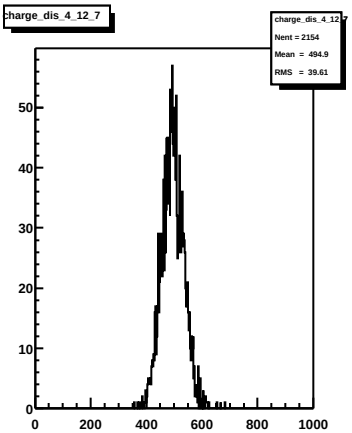
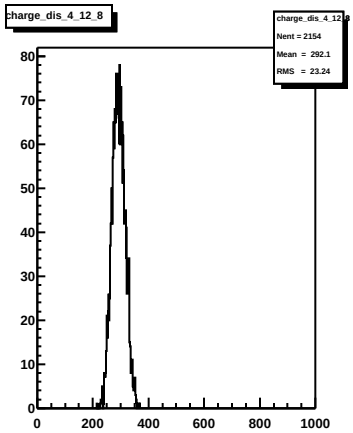
charge_dis_4_12_4
Nent = 2154
Mean = 351.7
RMS = 32.88


charge_dis_4_12_5
charge_dis_4_12_5
Nent = 2154
Mean = 416.8
RMS = 32.75


charge_dis_4_12_6
charge_dis_4_12_6
Nent = 2154
Mean = 364.5
RMS = 36.8


charge_dis_4_12_7
charge_dis_4_12_7
Nent = 2154
Mean = 494.9
RMS = 39.61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charge_dis_4_12_8
Nent = 2154
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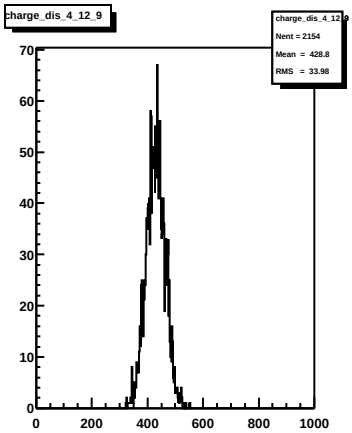
RMS = 23.24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charge_dis_4_12_9
Nent = 2154
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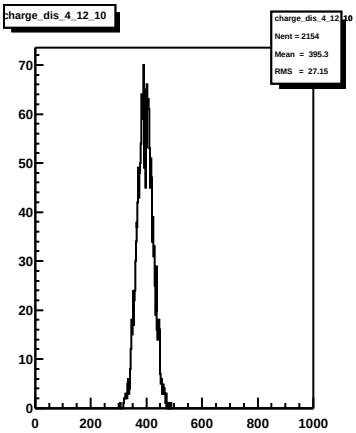
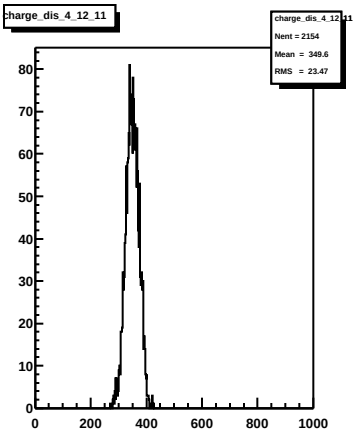
RMS = 33.98


charge_dis_4_12_10
charge_dis_4_12_10
Nent = 2154
Mean = 395.3
RMS = 27.15


charge_dis_4_12_11
charge_dis_4_12_11
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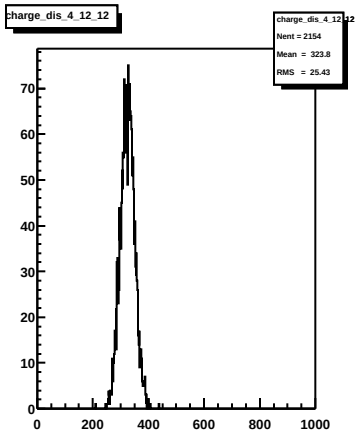
Mean = 349.6
RMS = 23.47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charge_dis_4_12_12
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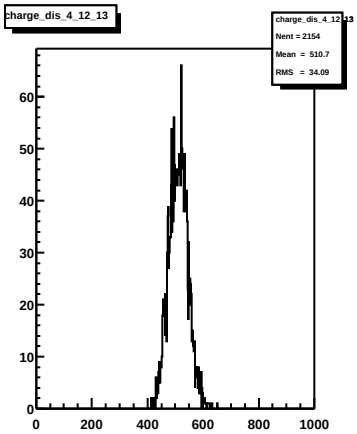
RMS = 25.43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charge_dis_4_12_13
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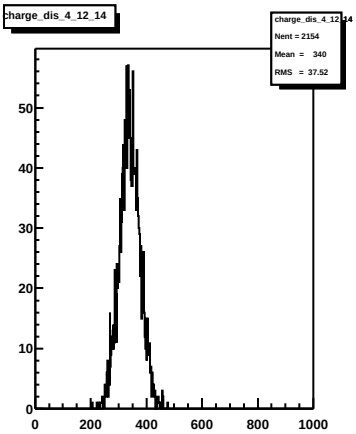
RMS = 34.09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charge_dis_4_12_14
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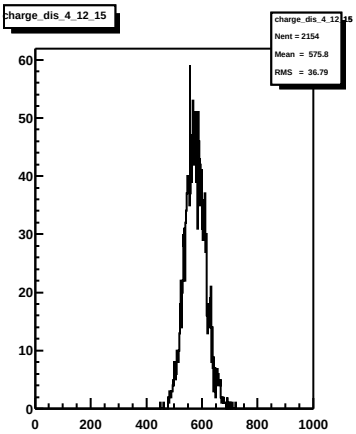
Mean = 340
RMS = 37.52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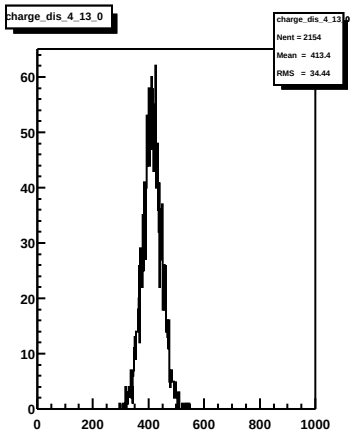
RMS = 36.79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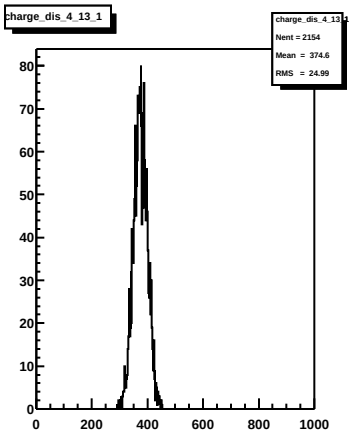
Mean = 413.4
RMS = 34.44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charge_dis_4_13_1
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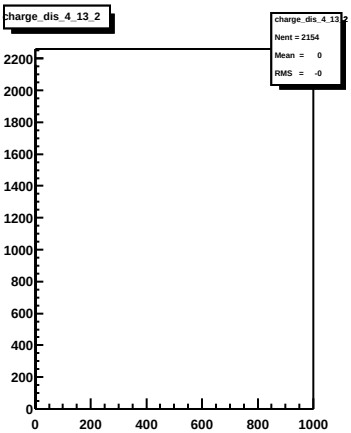
RMS = 24.99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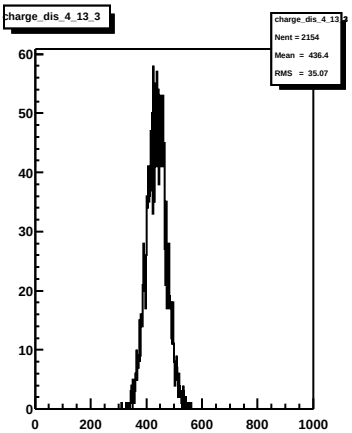
Mean = 0
RMS = -0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charge_dis_4_13_3
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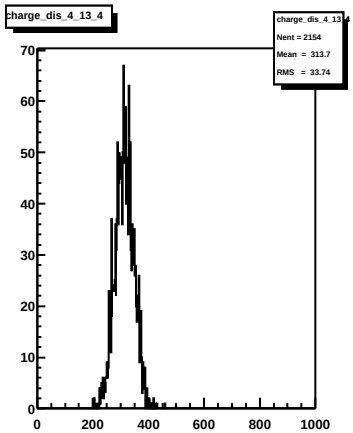
Mean = 436.4
RMS = 35.07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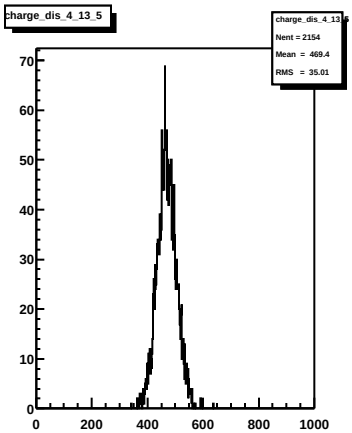
RMS = 33.74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charge_dis_4_13_5
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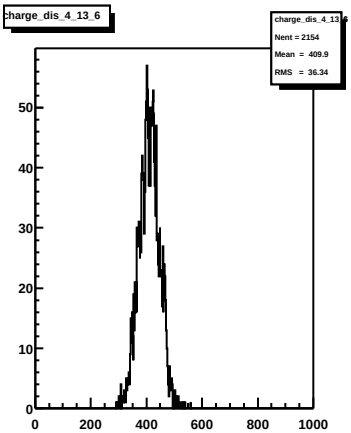
Mean = 469.4
RMS = 35.01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charge_dis_4_13_6
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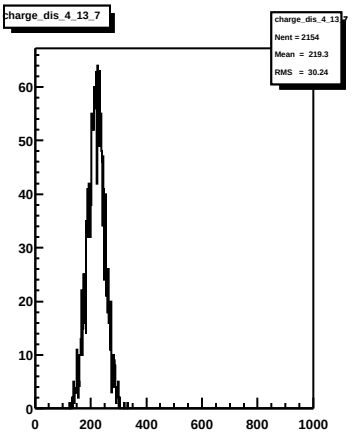
Mean = 409.9
RMS = 36.34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charge_dis_4_13_7
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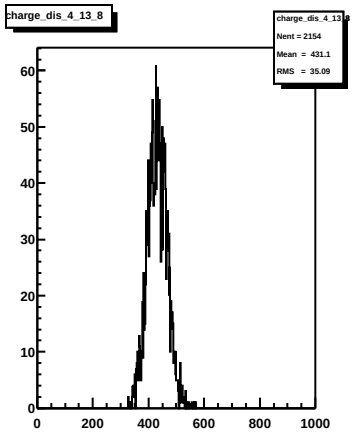
RMS = 30.24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charge_dis_4_13_8
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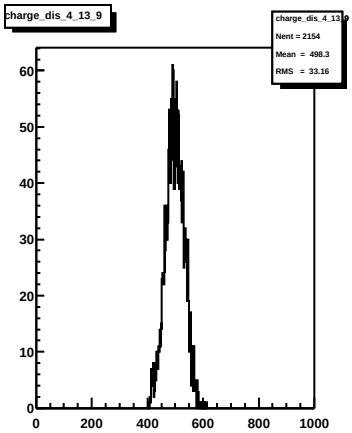
Mean = 431.1
RMS = 35.09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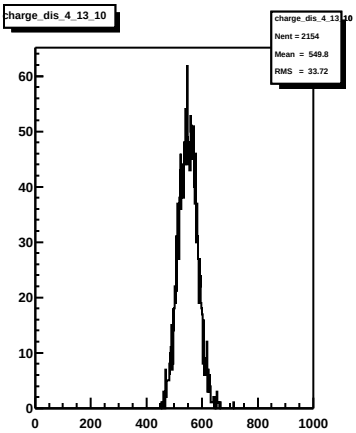
charge_dis_4_13_9
Nent = 2154
Mean = 498.3
RMS = 33.16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charge_dis_4_13_10
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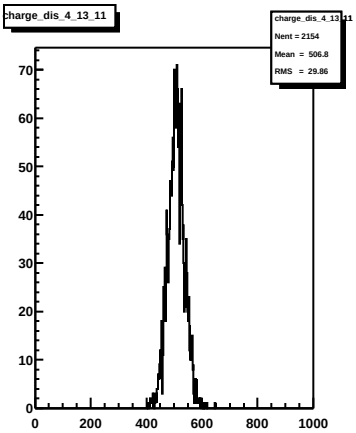
Mean = 549.8
RMS = 33.72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charge_dis_4_13_11
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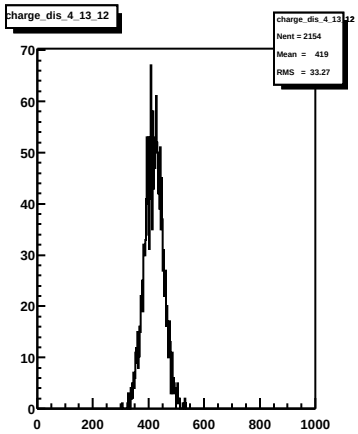
RMS = 29.86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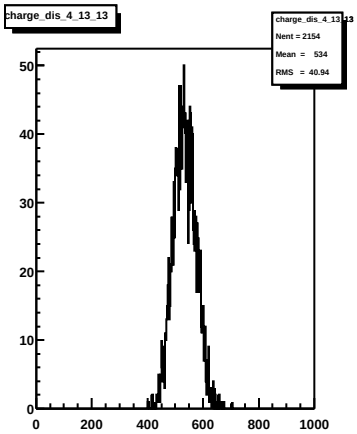
charge_dis_4_13_12
Nent = 2154
Mean = 419
RMS = 33.27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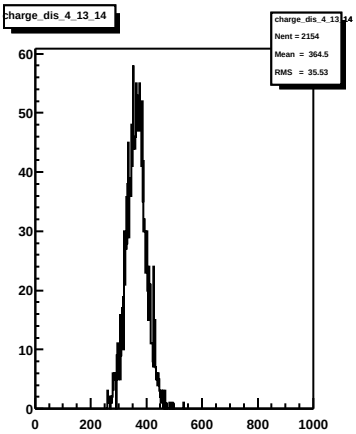
charge_dis_4_13_13
Nent = 2154
Mean = 534
RMS = 40.94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charge_dis_4_13_14
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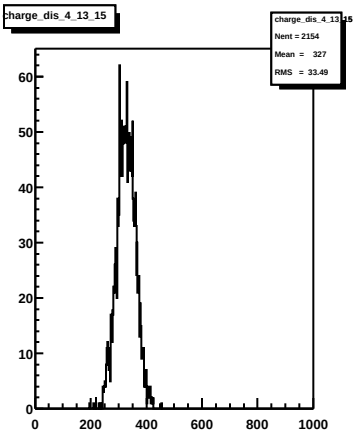
Mean = 364.5
RMS = 35.53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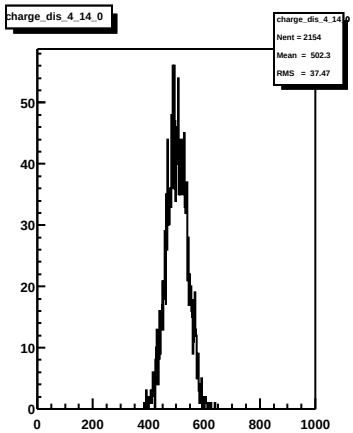
charge_dis_4_13_15
Nent = 2154
Mean = 327
RMS = 33.49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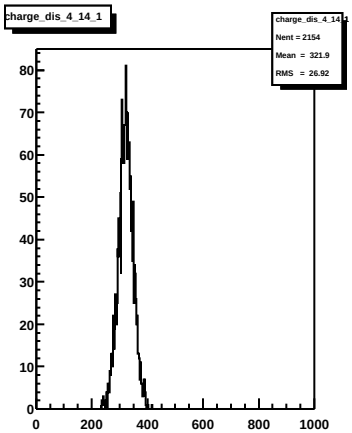
charge_dis_4_14_0
Nent = 2154
Mean = 502.3
RMS = 37.47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charge_dis_4_14_1
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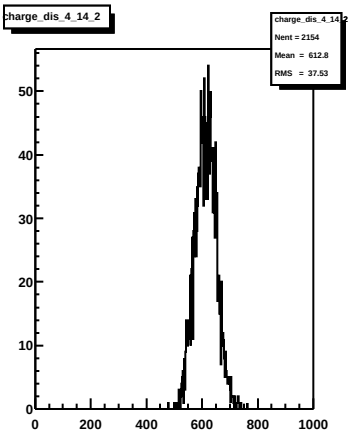
Mean = 321.9
RMS = 26.92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charge_dis_4_14_2
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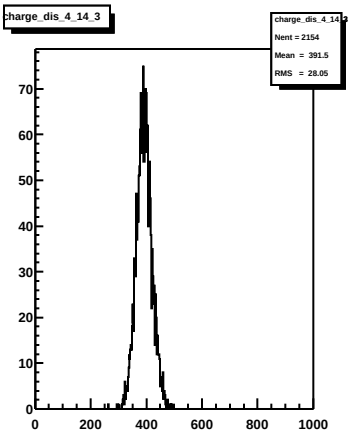
Mean = 612.8
RMS = 37.53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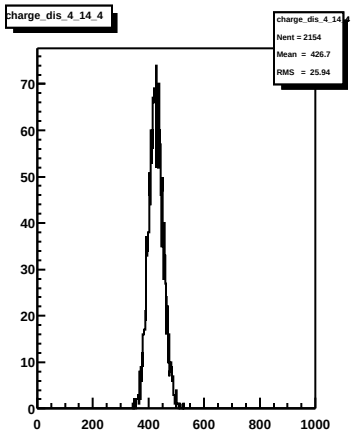
charge_dis_4_14_3
Nent = 2154
Mean = 391.5
RMS = 28.05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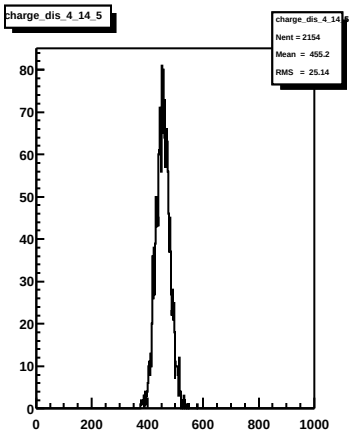
charge_dis_4_14_4
Nent = 2154
Mean = 426.7
RMS = 25.94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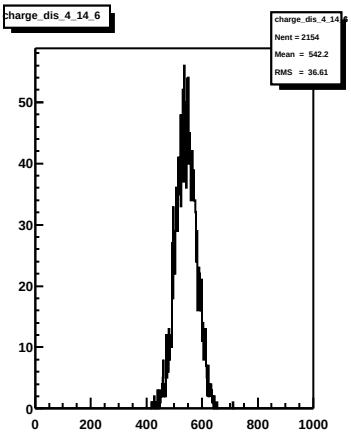
charge_dis_4_14_5
Nent = 2154
Mean = 455.2
RMS = 25.14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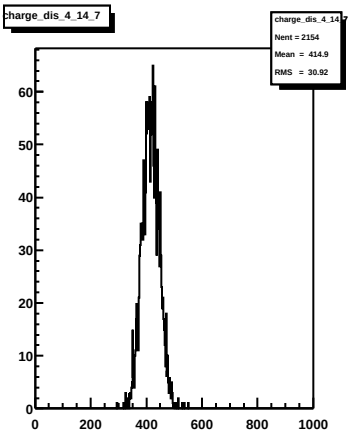
charge_dis_4_14_6
Nent = 2154
Mean = 542.2
RMS = 36.61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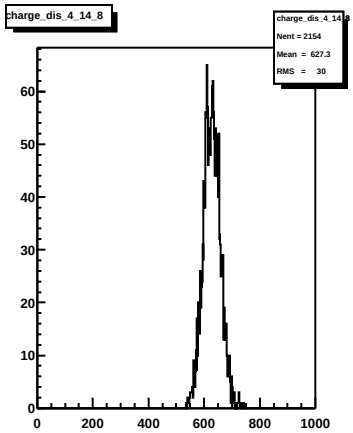
charge_dis_4_14_7
Nent = 2154
Mean = 414.9
RMS = 30.92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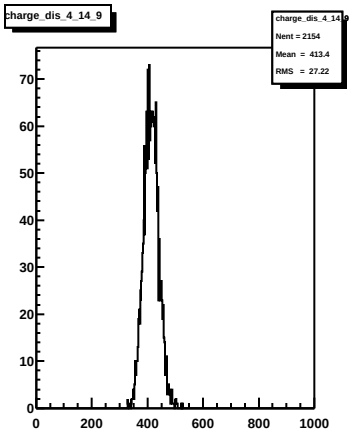
charge_dis_4_14_8
Nent = 2154
Mean = 627.3
RMS = 30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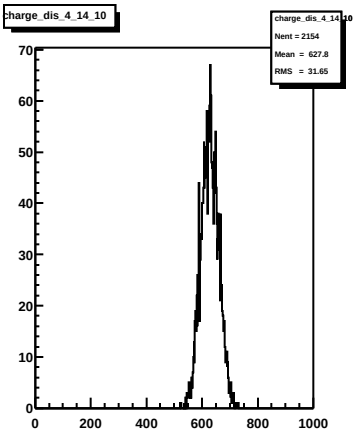
charge_dis_4_14_9
Nent = 2154
Mean = 413.4
RMS = 27.22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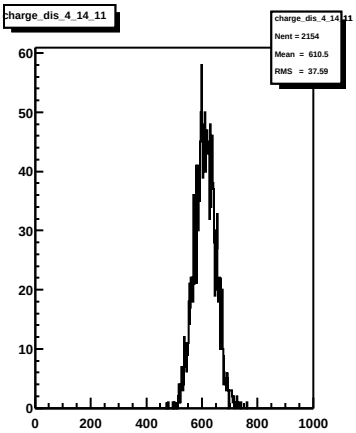
charge_dis_4_14_10
Nent = 2154
Mean = 627.8
RMS = 31.65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charge_dis_4_14_11
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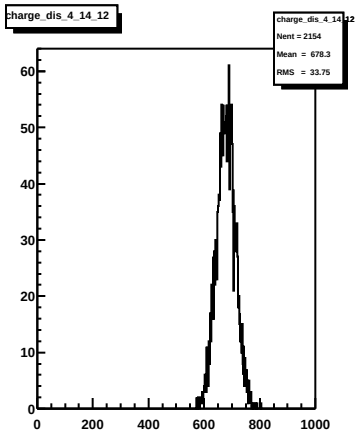
RMS = 37.59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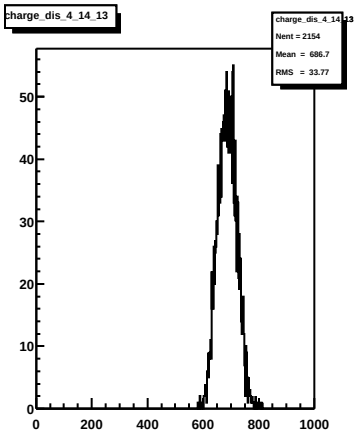
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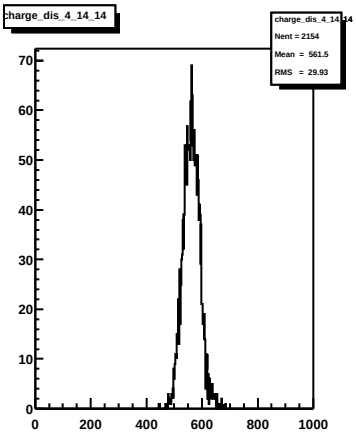
RMS = 33.77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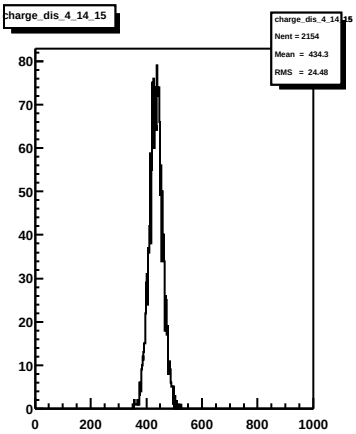
RMS = 29.93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charge_dis_4_14_15
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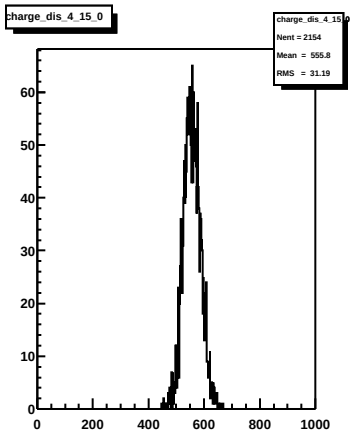
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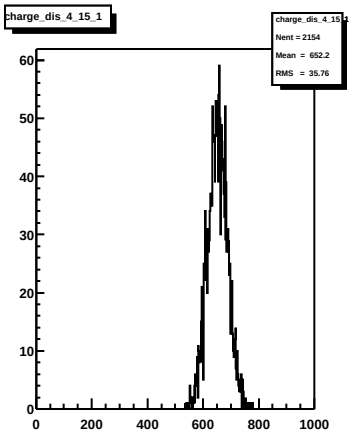
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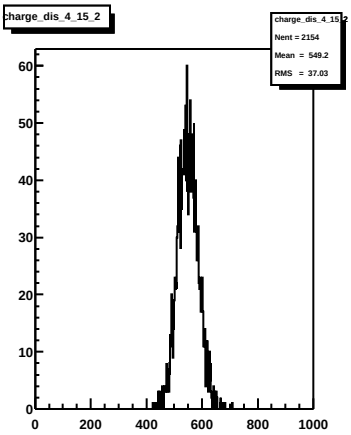
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charge_dis_4_15_2
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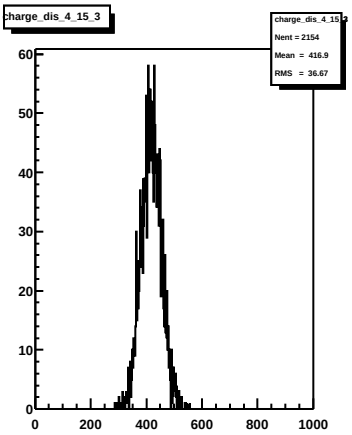
Mean = 549.2
RMS = 37.03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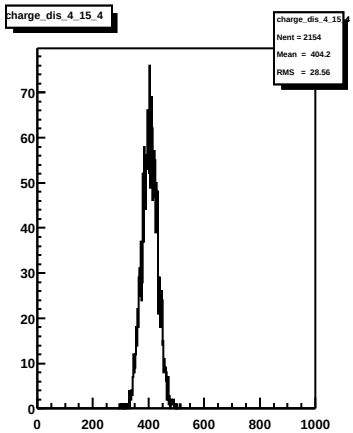
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charge_dis_4_15_4
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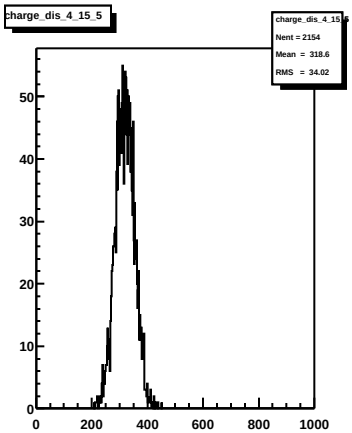
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charge_dis_4_15_5
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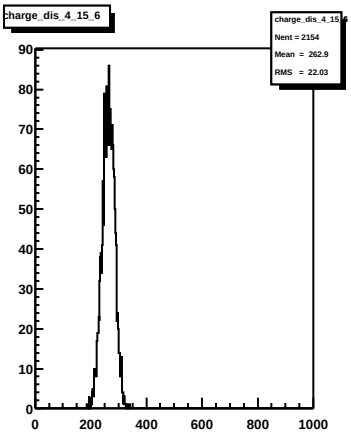
Mean = 318.6
RMS = 34.02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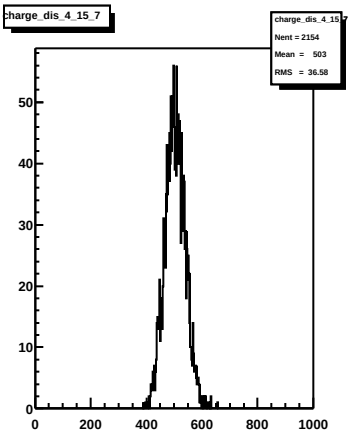
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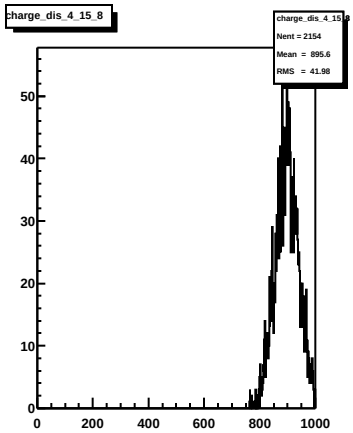
RMS = 36.58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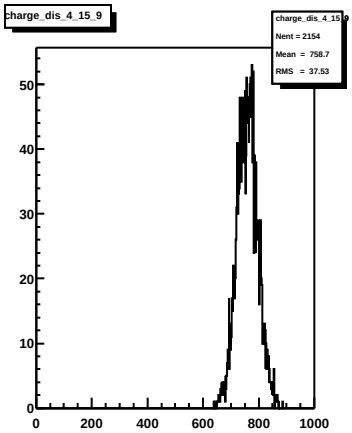
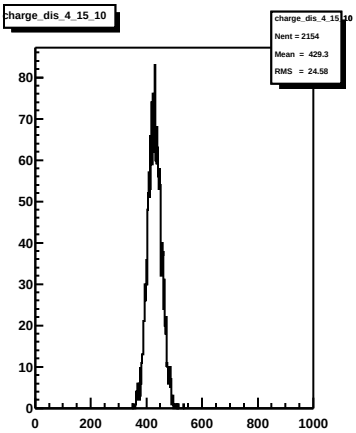
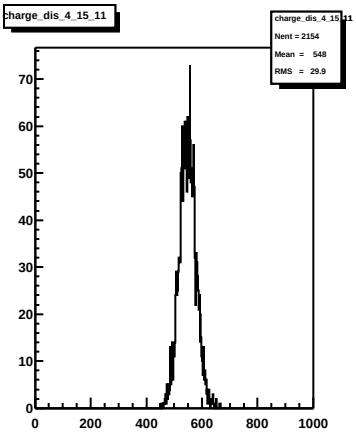
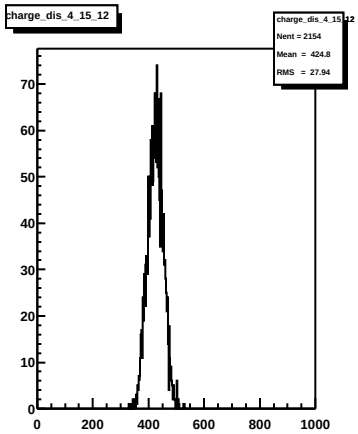
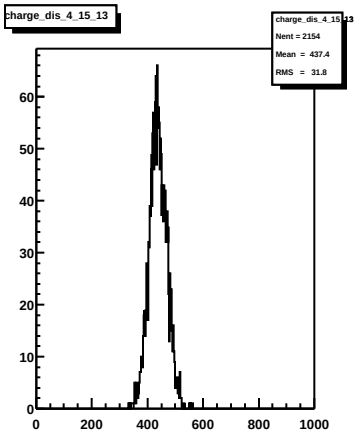
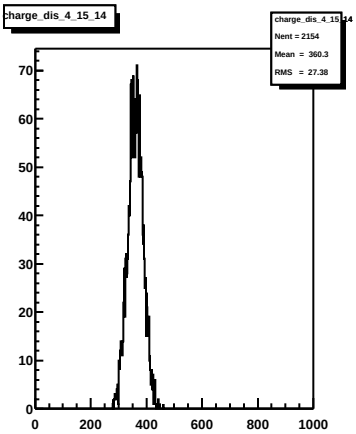

charge_dis_4_15_9
charge_dis_4_15_9
Nent = 2154
Mean = 758.7
RMS = 37.53

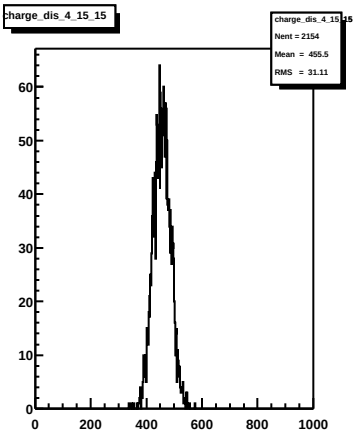

charge_dis_4_15_10
charge_dis_4_15_10
Nent = 2154
Mean = 429.3
RMS = 24.58

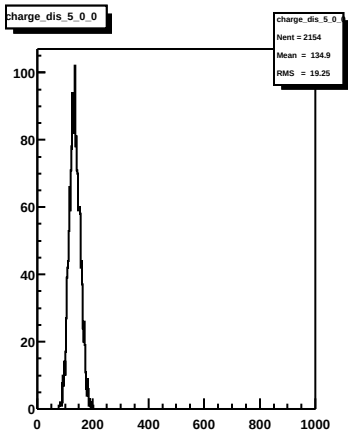

charge_dis_4_15_11
charge_dis_4_15_11
Nent = 2154
Mean = 548
RMS = 29.9

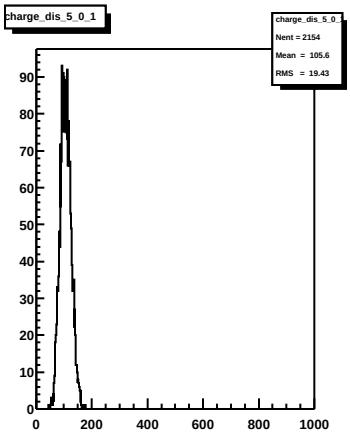

charge_dis_4_15_12
charge_dis_4_15_12
Nent = 2154
Mean = 424.8
RMS = 27.94

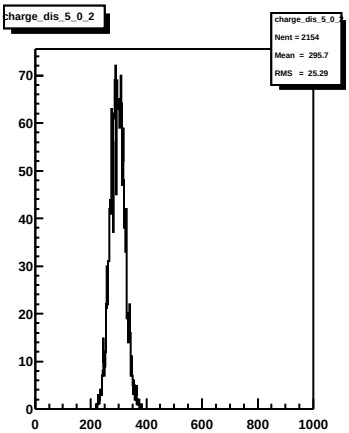

charge_dis_4_15_13
charge_dis_4_15_13
Nent = 2154
Mean = 437.4
RMS = 31.8

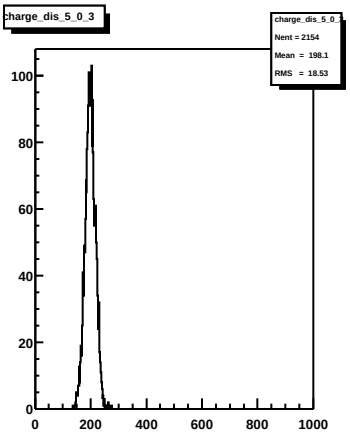

charge_dis_4_15_14
charge_dis_4_15_14
Nent = 2154
Mean = 360.3
RMS = 27.38

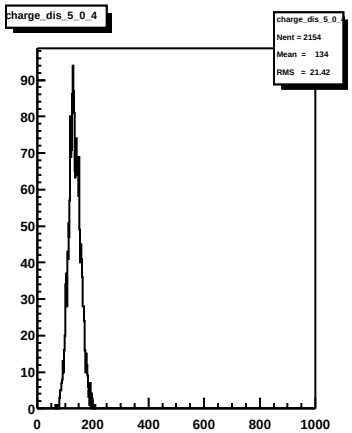

charge_dis_4_15_15
charge_dis_4_15_15
Nent = 2154
Mean = 455.5
RMS = 31.11

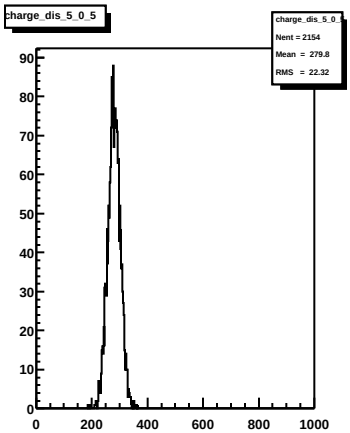

charge_dis_5_0_0
charge_dis_5_0_
Nent = 2154
Mean = 134.9
RMS = 19.25

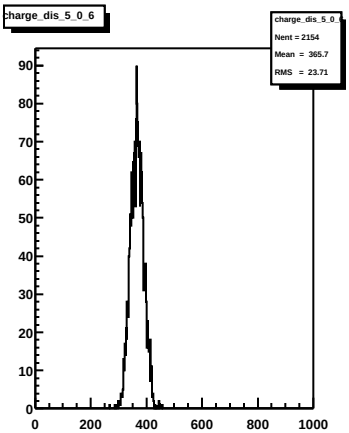

charge_dis_5_0_1
charge_dis_5_0_
Nent = 2154
Mean = 105.6
RMS = 19.43

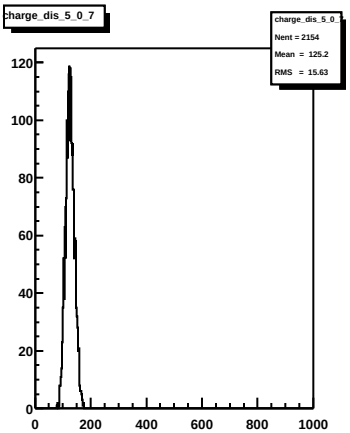

charge_dis_5_0_2
charge_dis_5_0_
Nent = 2154
Mean = 295.7
RMS = 25.29

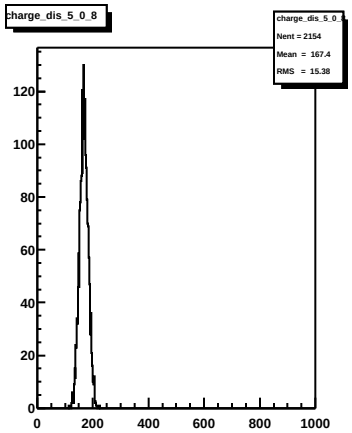

charge_dis_5_0_3
charge_dis_5_0_
Nent = 2154
Mean = 198.1
RMS = 18.53

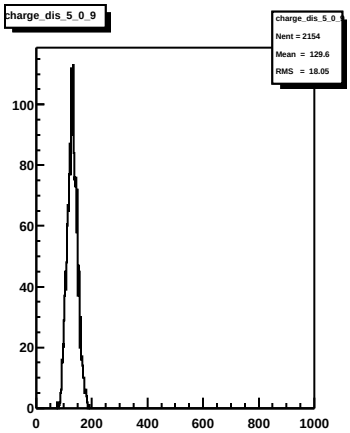

charge_dis_5_0_4
charge_dis_5_0_
Nent = 2154
Mean = 134
RMS = 21.42

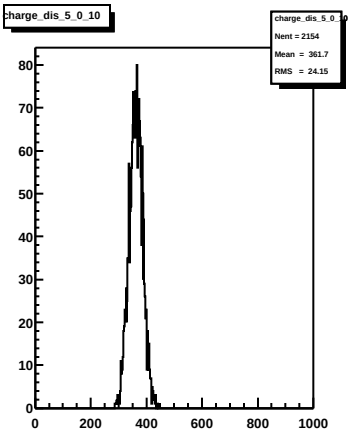

charge_dis_5_0_5
charge_dis_5_0_
Nent = 2154
Mean = 279.8
RMS = 22.32

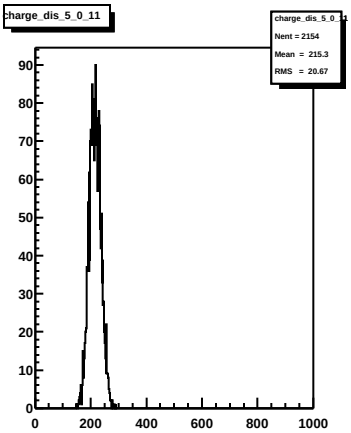

charge_dis_5_0_6
charge_dis_5_0_
Nent = 2154
Mean = 365.7
RMS = 23.71

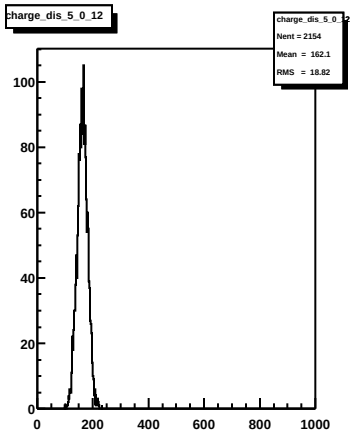

charge_dis_5_0_7
charge_dis_5_0_
Nent = 2154
Mean = 125.2
RMS = 15.63

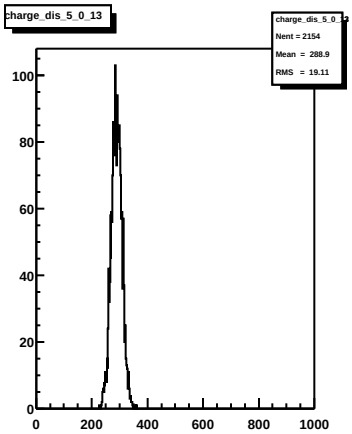

charge_dis_5_0_8
charge_dis_5_0_
Nent = 2154
Mean = 167.4
RMS = 15.38

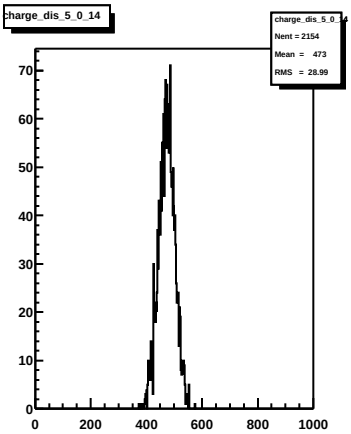

charge_dis_5_0_9
charge_dis_5_0_
Nent = 2154
Mean = 129.6
RMS = 18.05


charge_dis_5_0_10
Nent = 2154
Mean = 361.7
RMS = 24.15


charge_dis_5_0_11
Nent = 2154
Mean = 215.3
RMS = 20.67


charge_dis_5_0_12
Nent = 2154
Mean = 162.1
RMS = 18.82


charge_dis_5_0_13
Nent = 2154
Mean = 288.9
RMS = 19.11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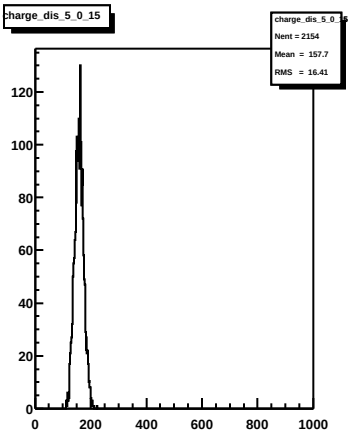
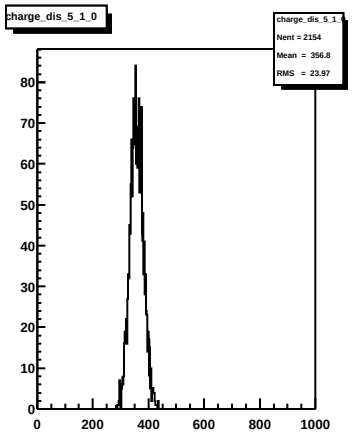
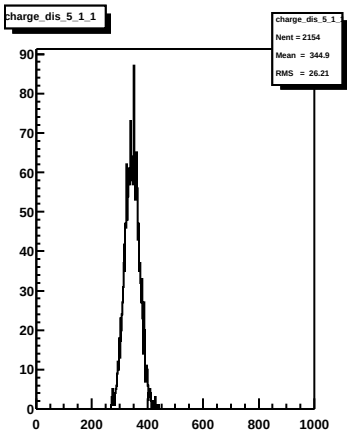
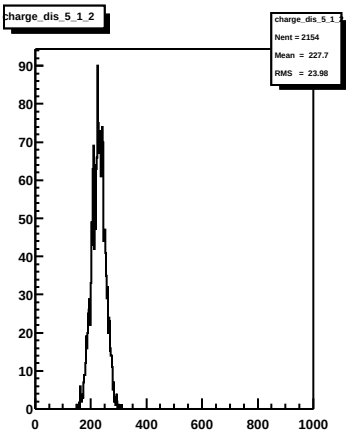
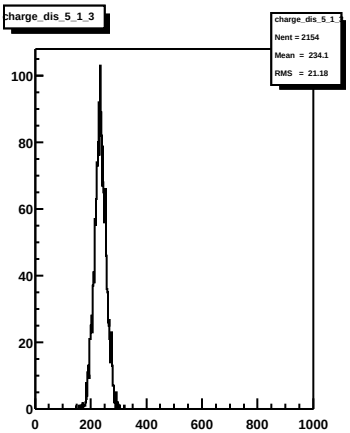
Nent = 2154
Mean = 473
RMS = 28.99

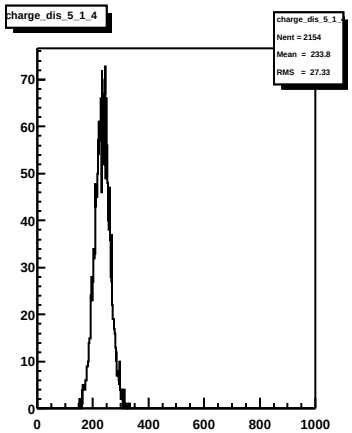

charge_dis_5_0_15
Nent = 2154
Mean = 157.7
RMS = 16.41

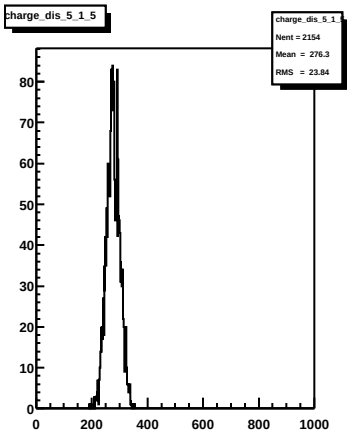

charge_dis_5_1_0
charge_dis_5_1_
Nent = 2154
Mean = 356.8
RMS = 23.97

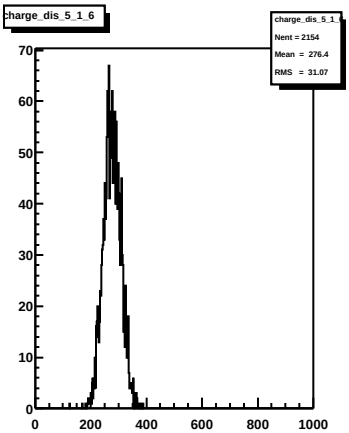

charge_dis_5_1_1
charge_dis_5_1_
Nent = 2154
Mean = 344.9
RMS = 26.21

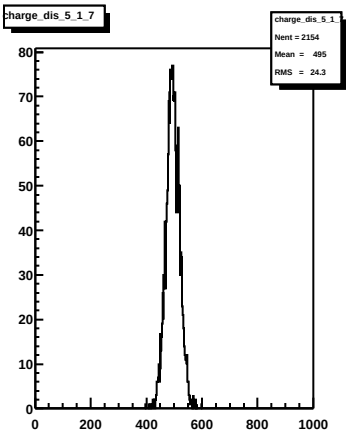

charge_dis_5_1_2
charge_dis_5_1_
Nent = 2154
Mean = 227.7
RMS = 23.98

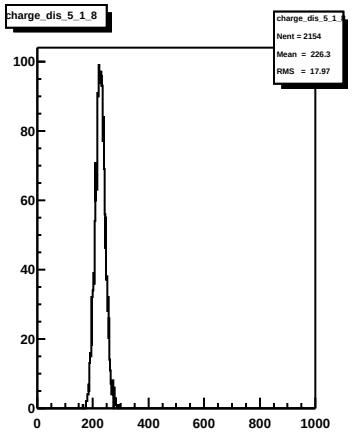

charge_dis_5_1_3
charge_dis_5_1_
Nent = 2154
Mean = 234.1
RMS = 21.18

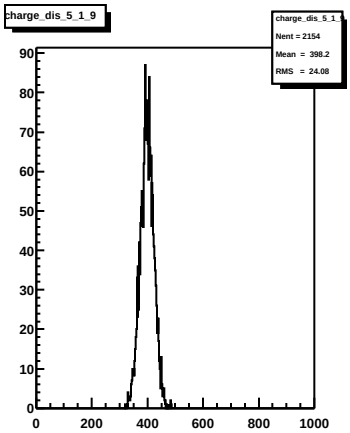

charge_dis_5_1_4
charge_dis_5_1_
Nent = 2154
Mean = 233.8
RMS = 27.33

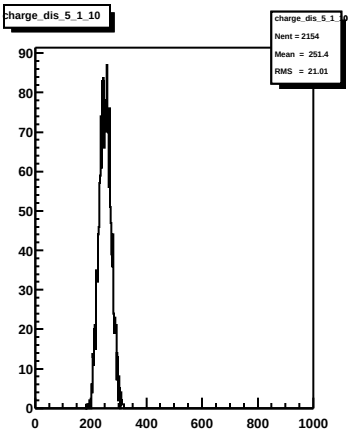

charge_dis_5_1_5
charge_dis_5_1_
Nent = 2154
Mean = 276.3
RMS = 23.84

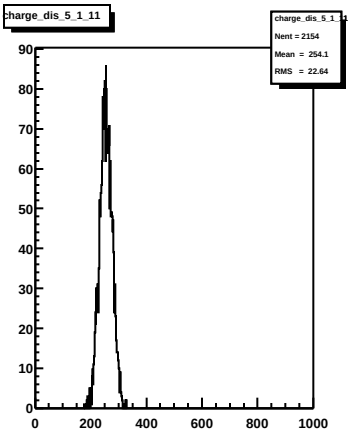

charge_dis_5_1_6
charge_dis_5_1_
Nent = 2154
Mean = 276.4
RMS = 31.07

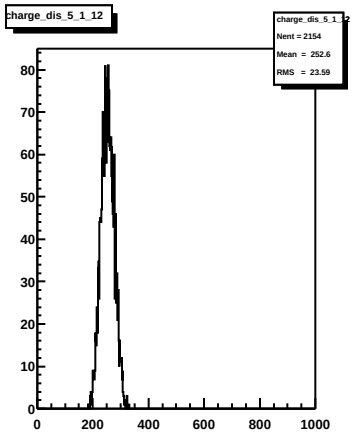

charge_dis_5_1_7
charge_dis_5_1_
Nent = 2154
Mean = 495
RMS = 24.3

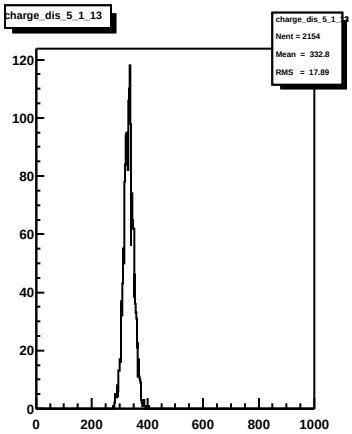

charge_dis_5_1_8
charge_dis_5_1_
Nent = 2154
Mean = 226.3
RMS = 17.97

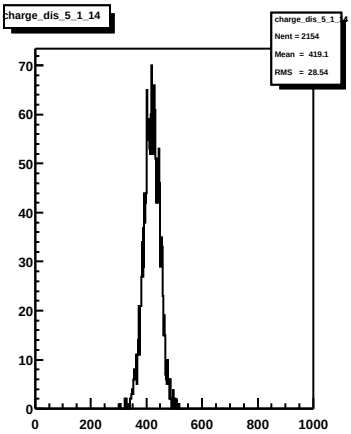

charge_dis_5_1_9
charge_dis_5_1_
Nent = 2154
Mean = 398.2
RMS = 24.08

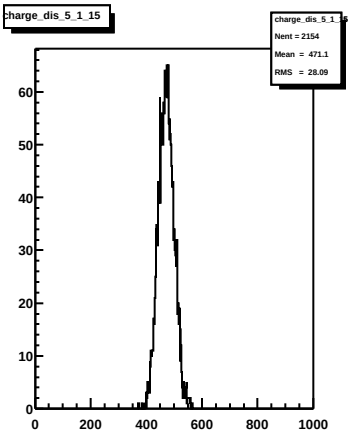

charge_dis_5_1_10
Nent = 2154
Mean = 251.4
RMS = 21.01


charge_dis_5_1_11
Nent = 2154
Mean = 254.1
RMS = 22.64


charge_dis_5_1_12
Nent = 2154
Mean = 252.6
RMS = 23.59


charge_dis_5_1_13
Nent = 2154
Mean = 332.8
RMS = 17.89


charge_dis_5_1_14
Nent = 2154
Mean = 419.1
RMS = 28.54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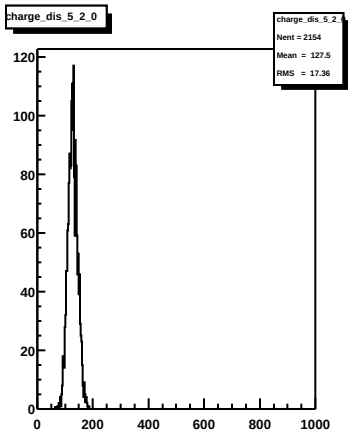
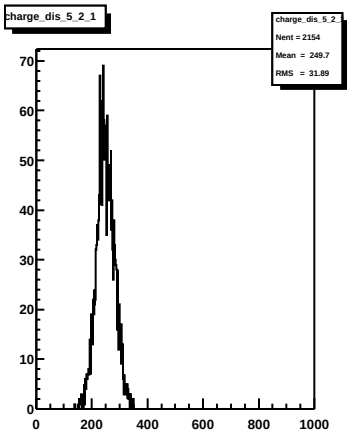
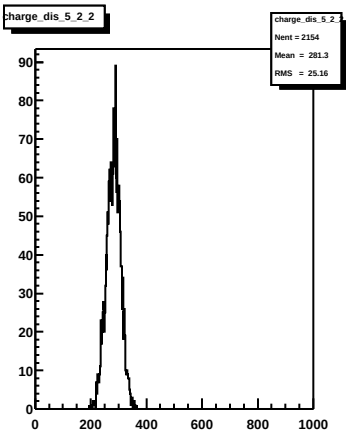
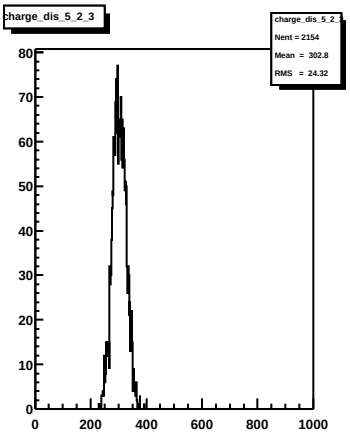
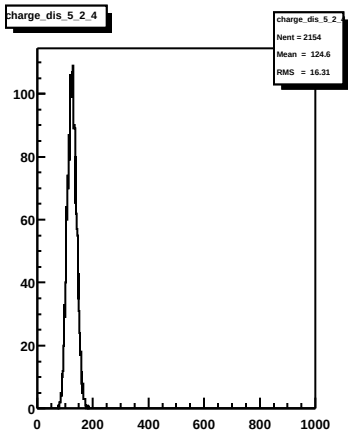
Nent = 2154
Mean = 471.1
RMS = 28.09

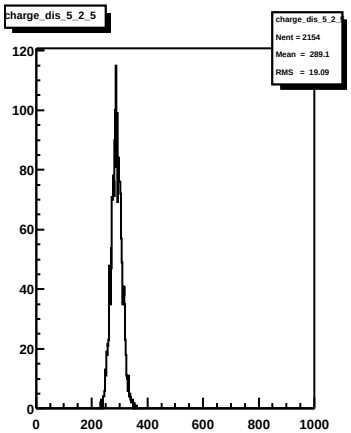

charge_dis_5_2_0
charge_dis_5_2_
Nent = 2154
Mean = 127.5
RMS = 17.36

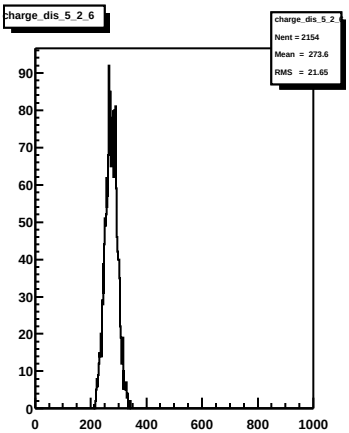

charge_dis_5_2_1
charge_dis_5_2_
Nent = 2154
Mean = 249.7
RMS = 31.89

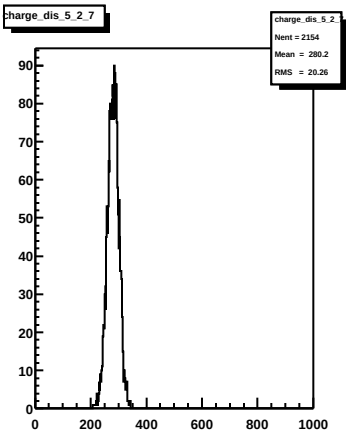

charge_dis_5_2_2
charge_dis_5_2_
Nent = 2154
Mean = 281.3
RMS = 25.16


charge_dis_5_2_3
charge_dis_5_2_
Nent = 2154
Mean = 302.8
RMS = 24.32


charge_dis_5_2_4
charge_dis_5_2_
Nent = 2154
Mean = 124.6
RMS = 16.31


charge_dis_5_2_5
charge_dis_5_2_
Nent = 2154
Mean = 289.1
RMS = 19.09


charge_dis_5_2_6
charge_dis_5_2_
Nent = 2154
Mean = 273.6
RMS = 21.65


charge_dis_5_2_7
charge_dis_5_2_
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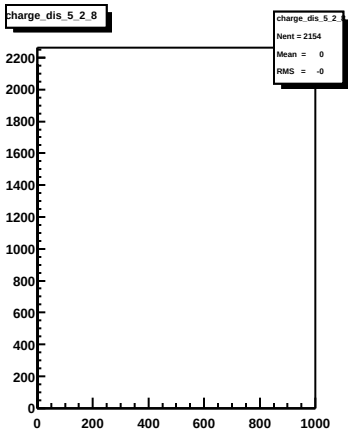
RMS = 20.26


charge_dis_5_2_8
charge_dis_5_2_
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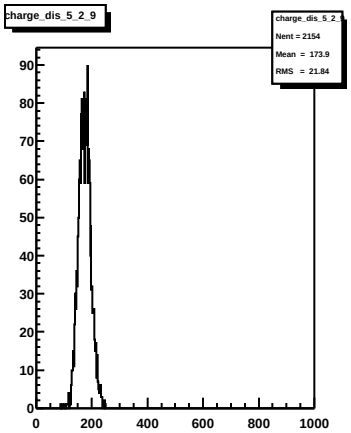
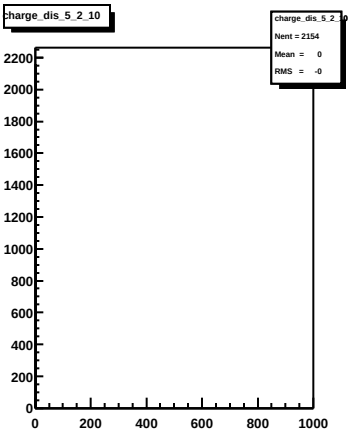
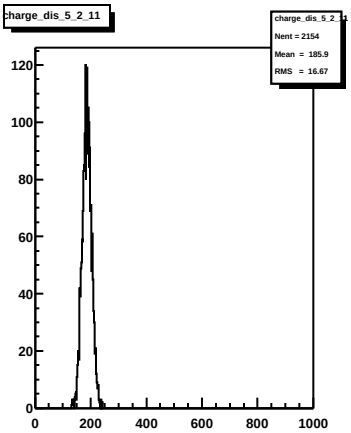
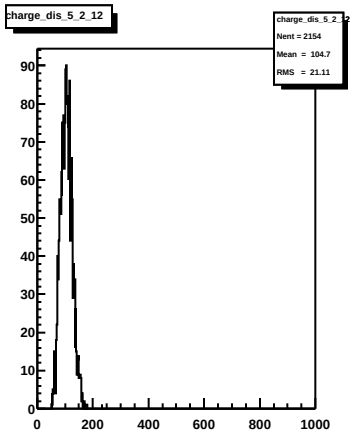
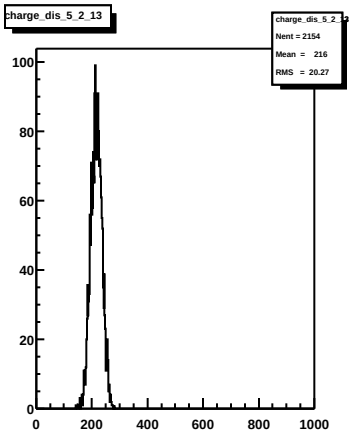
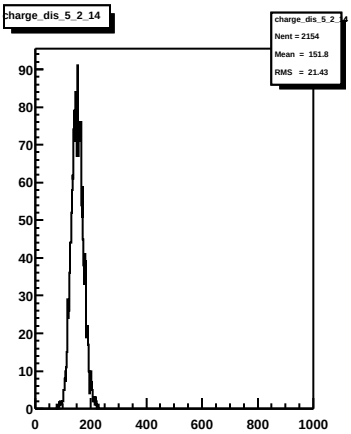

charge_dis_5_2_9
charge_dis_5_2_
Nent = 2154
Mean = 173.9
RMS = 21.84

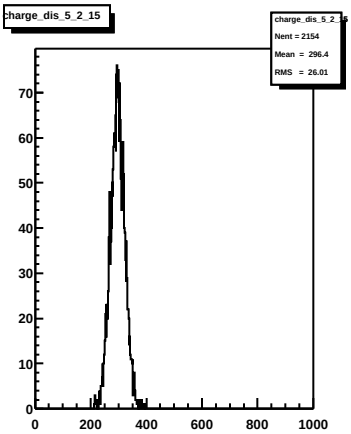

charge_dis_5_2_10
Nent = 2154
Mean = 0
RMS = -0

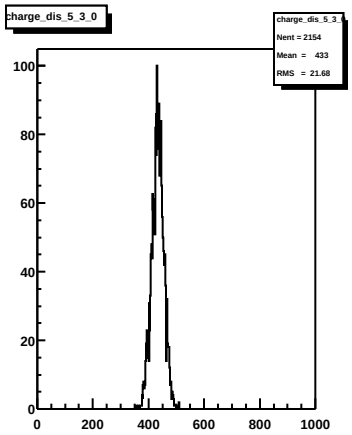

charge_dis_5_2_11
Nent = 2154
Mean = 185.9
RMS = 16.67

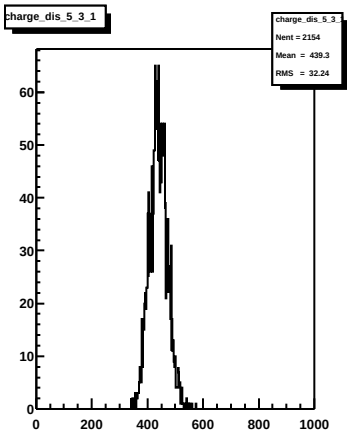

charge_dis_5_2_12
Nent = 2154
Mean = 104.7
RMS = 21.11

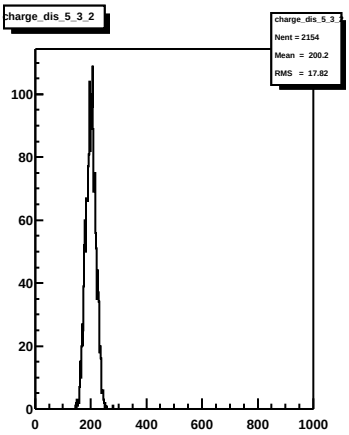

charge_dis_5_2_13
Nent = 2154
Mean = 216
RMS = 20.27

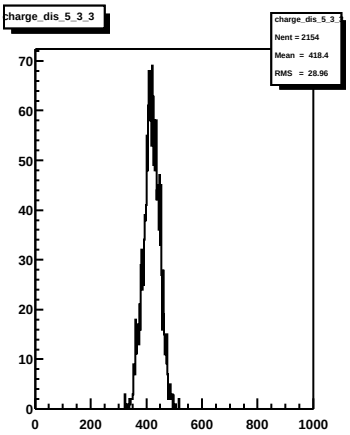

charge_dis_5_2_14
Nent = 2154
Mean = 151.8
RMS = 21.43

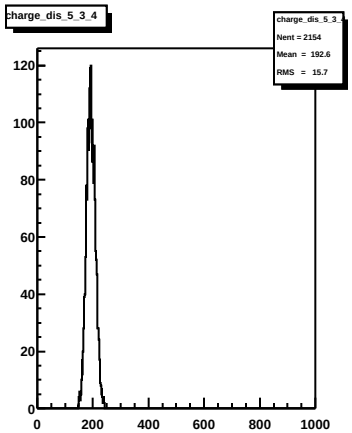

charge_dis_5_2_15
Nent = 2154
Mean = 296.4
RMS = 26.01

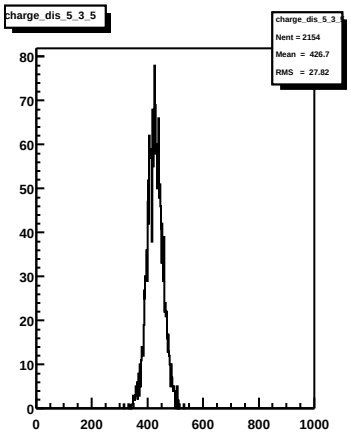

charge_dis_5_3_0
charge_dis_5_3_
Nent = 2154
Mean = 433
RMS = 21.68

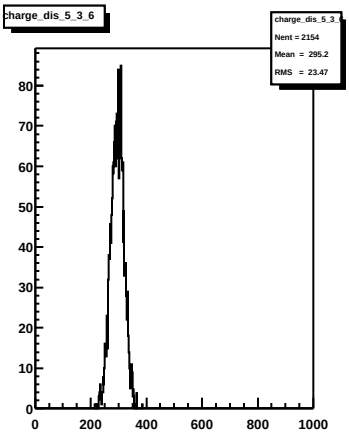

charge_dis_5_3_1
charge_dis_5_3_
Nent = 2154
Mean = 439.3
RMS = 32.24

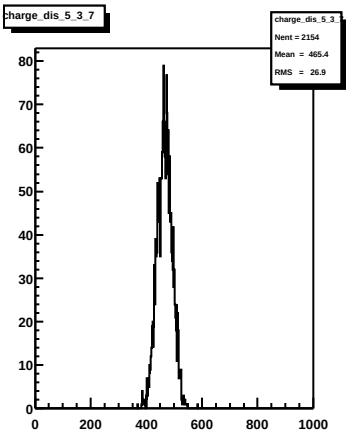

charge_dis_5_3_2
charge_dis_5_3_
Nent = 2154
Mean = 200.2
RMS = 17.82

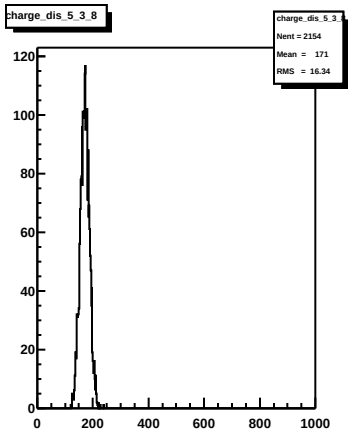

charge_dis_5_3_3
charge_dis_5_3_
Nent = 2154
Mean = 418.4
RMS = 28.96

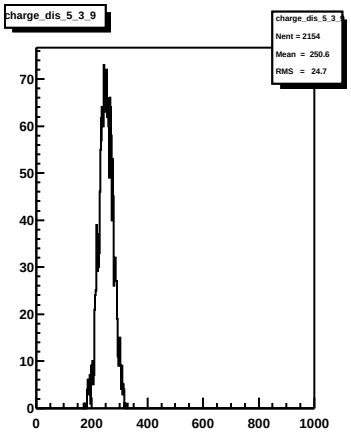

charge_dis_5_3_4
charge_dis_5_3_
Nent = 2154
Mean = 192.6
RMS = 15.7

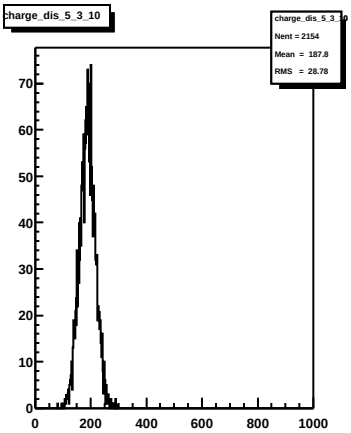

charge_dis_5_3_5
charge_dis_5_3_
Nent = 2154
Mean = 426.7
RMS = 27.82

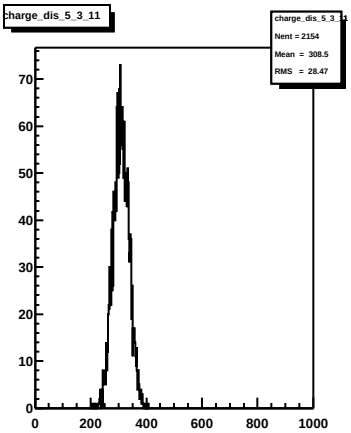

charge_dis_5_3_6
charge_dis_5_3_
Nent = 2154
Mean = 295.2
RMS = 23.47

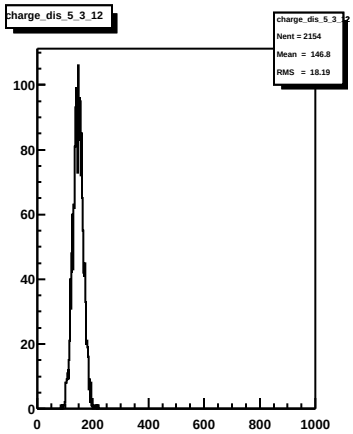

charge_dis_5_3_7
charge_dis_5_3_
Nent = 2154
Mean = 465.4
RMS = 26.9

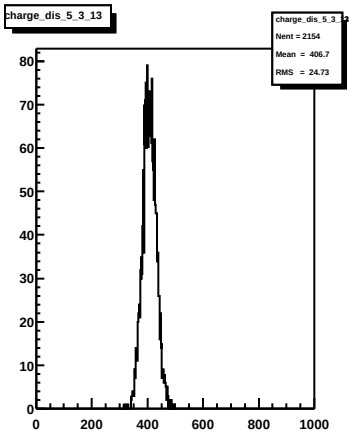

charge_dis_5_3_8
charge_dis_5_3_
Nent = 2154
Mean = 171
RMS = 16.34

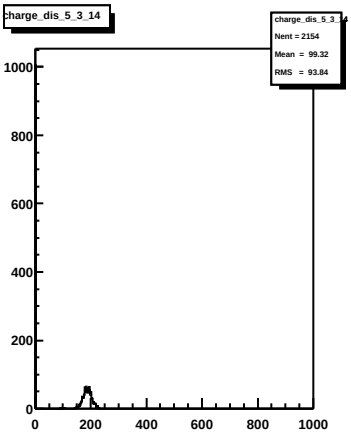

charge_dis_5_3_9
charge_dis_5_3_
Nent = 2154
Mean = 250.6
RMS = 24.7

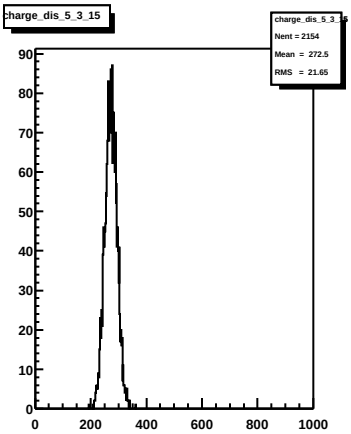

charge_dis_5_3_10
Nent = 2154
Mean = 187.8
RMS = 28.78

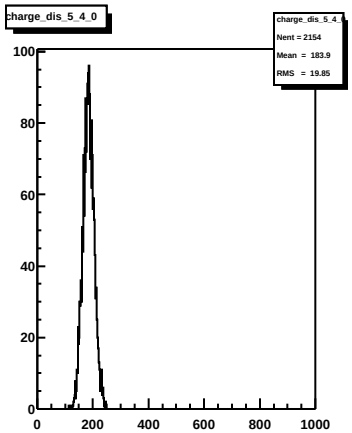

charge_dis_5_3_11
Nent = 2154
Mean = 308.5
RMS = 28.47

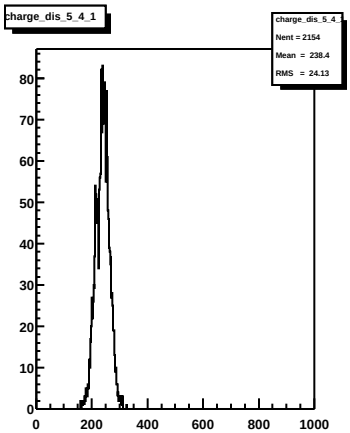

charge_dis_5_3_12
Nent = 2154
Mean = 146.8
RMS = 18.19

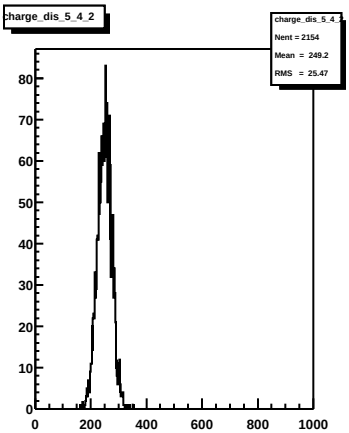

charge_dis_5_3_13
Nent = 2154
Mean = 406.7
RMS = 24.73

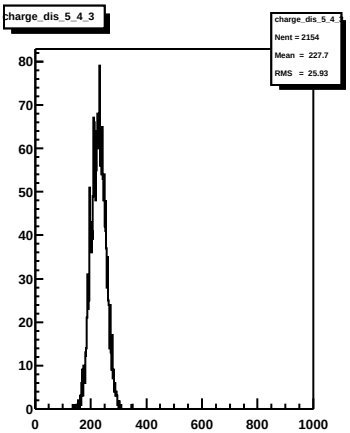

charge_dis_5_3_14
Nent = 2154
Mean = 99.32
RMS = 93.84

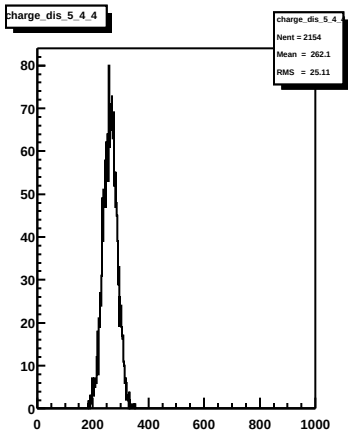

charge_dis_5_3_15
Nent = 2154
Mean = 272.5
RMS = 21.65

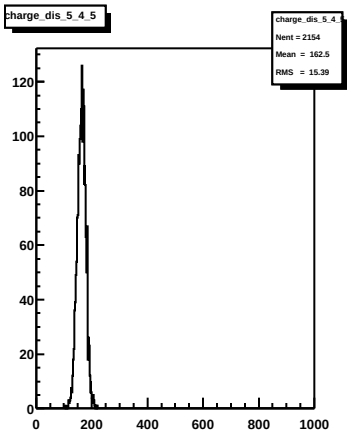

charge_dis_5_4_0
charge_dis_5_4_
Nent = 2154
Mean = 183.9
RMS = 19.85

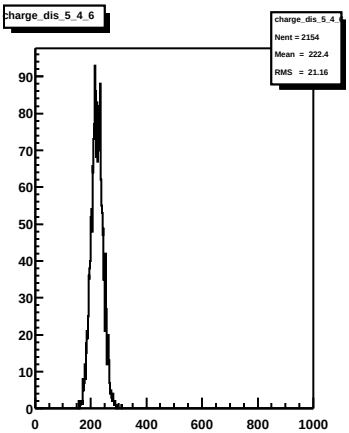

charge_dis_5_4_1
charge_dis_5_4_
Nent = 2154
Mean = 238.4
RMS = 24.13

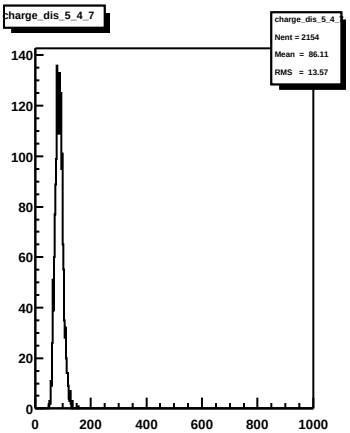

charge_dis_5_4_2
charge_dis_5_4_
Nent = 2154
Mean = 249.2
RMS = 25.47

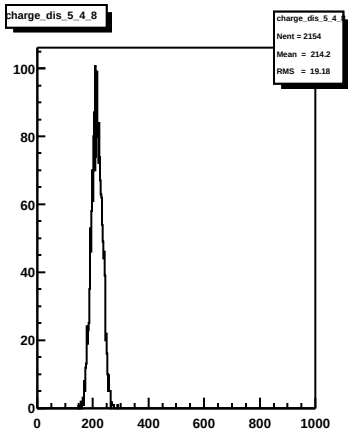

charge_dis_5_4_3
charge_dis_5_4_
Nent = 2154
Mean = 227.7
RMS = 25.93

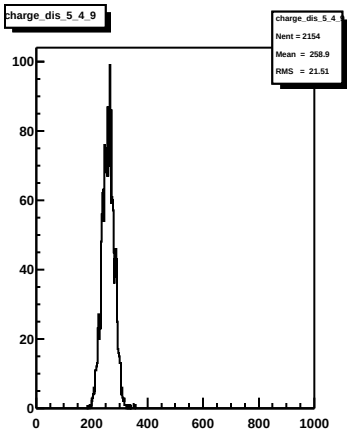

charge_dis_5_4_4
charge_dis_5_4_
Nent = 2154
Mean = 262.1
RMS = 25.11

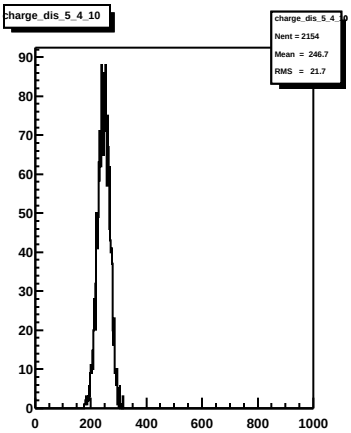

charge_dis_5_4_5
charge_dis_5_4_
Nent = 2154
Mean = 162.5
RMS = 15.39

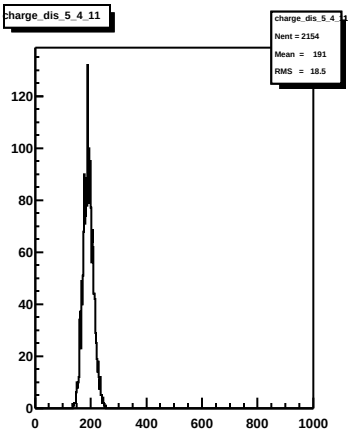

charge_dis_5_4_6
charge_dis_5_4_
Nent = 2154
Mean = 222.4
RMS = 21.16

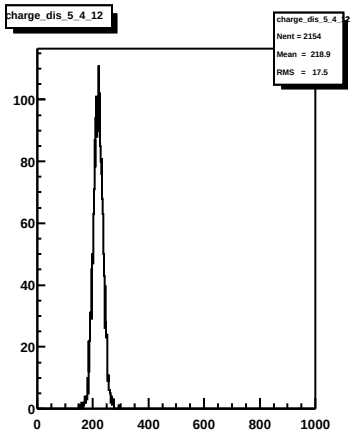

charge_dis_5_4_7
charge_dis_5_4_
Nent = 2154
Mean = 86.11
RMS = 13.57

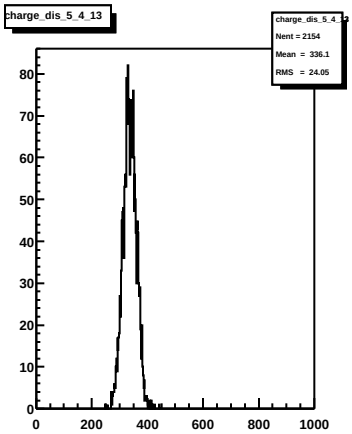

charge_dis_5_4_8
charge_dis_5_4_
Nent = 2154
Mean = 214.2
RMS = 19.18

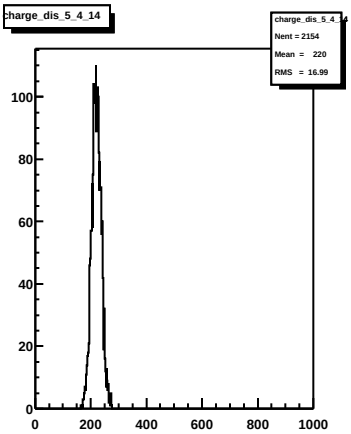

charge_dis_5_4_9
charge_dis_5_4_
Nent = 2154
Mean = 258.9
RMS = 21.51

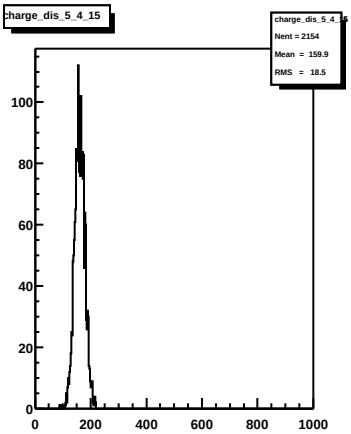

charge_dis_5_4_10
Nent = 2154
Mean = 246.7
RMS = 21.7

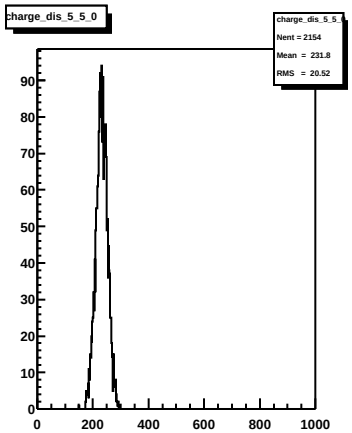

charge_dis_5_4_11
Nent = 2154
Mean = 191
RMS = 18.5

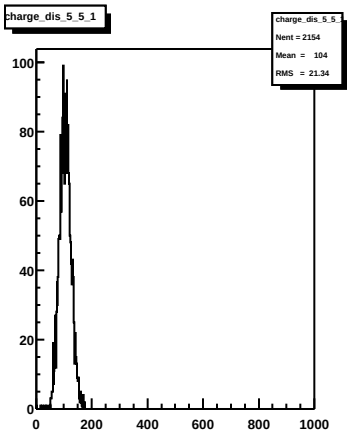

charge_dis_5_4_12
Nent = 2154
Mean = 218.9
RMS = 17.5

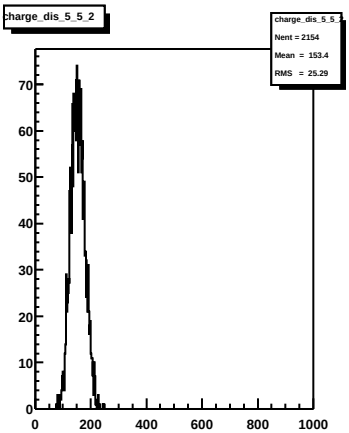

charge_dis_5_4_13
Nent = 2154
Mean = 336.1
RMS = 24.05

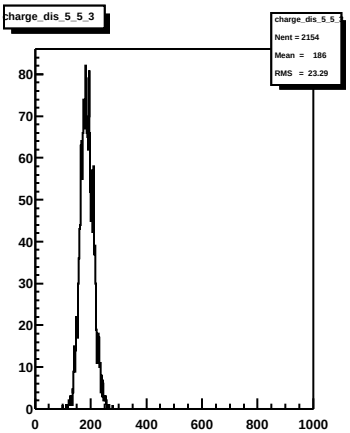

charge_dis_5_4_14
Nent = 2154
Mean = 220
RMS = 16.99

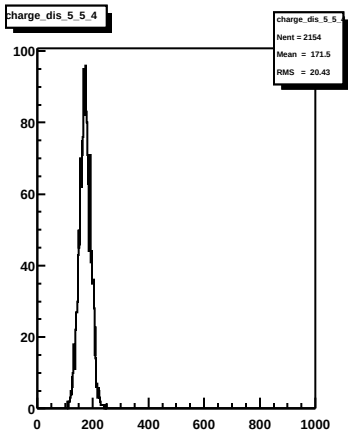

charge_dis_5_4_15
Nent = 2154
Mean = 159.9
RMS = 18.5

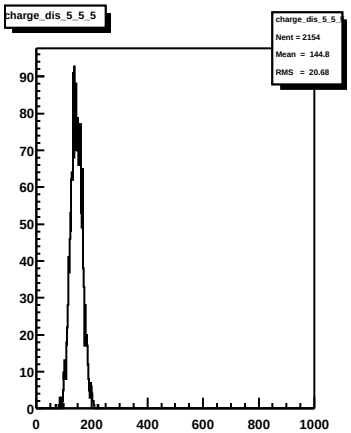

charge_dis_5_5_0
charge_dis_5_5_
Nent = 2154
Mean = 231.8
RMS = 20.52

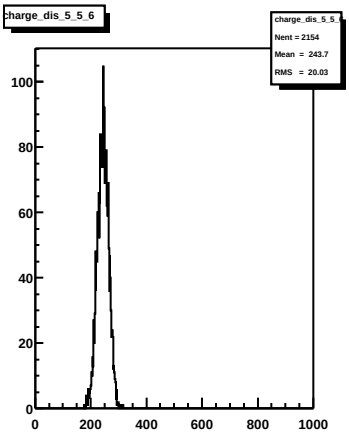

charge_dis_5_5_1
charge_dis_5_5_
Nent = 2154
Mean = 104
RMS = 21.34

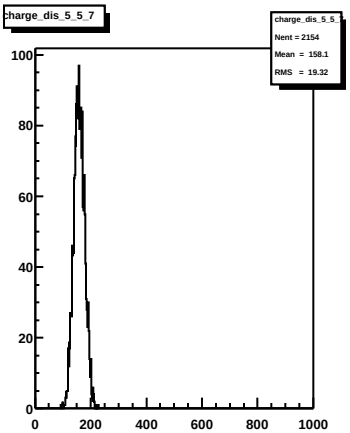

charge_dis_5_5_2
charge_dis_5_5_
Nent = 2154
Mean = 153.4
RMS = 25.29


charge_dis_5_5_3
charge_dis_5_5_
Nent = 2154
Mean = 186
RMS = 23.29


charge_dis_5_5_4
charge_dis_5_5_
Nent = 2154
Mean = 171.5
RMS = 20.43


charge_dis_5_5_5
charge_dis_5_5_
Nent = 2154
Mean = 144.8
RMS = 20.68


charge_dis_5_5_6
charge_dis_5_5_
Nent = 2154
Mean = 243.7
RMS = 20.03


charge_dis_5_5_7
charge_dis_5_5_
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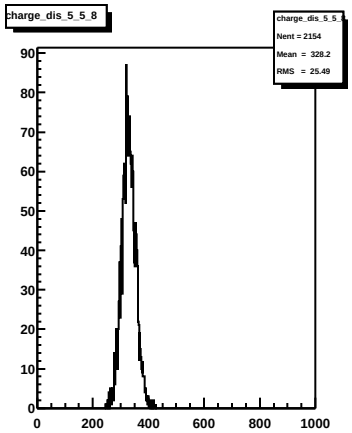
Mean = 158.1
RMS = 19.32


charge_dis_5_5_8
charge_dis_5_5_
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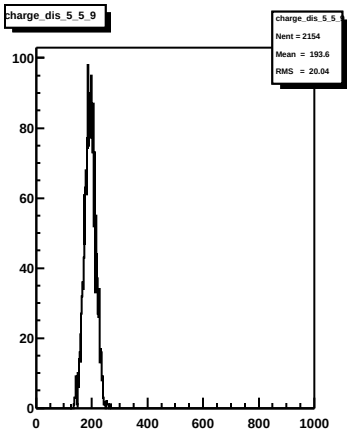
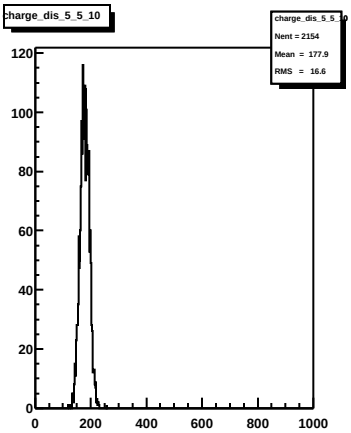
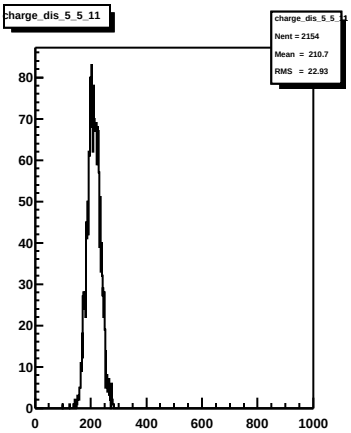
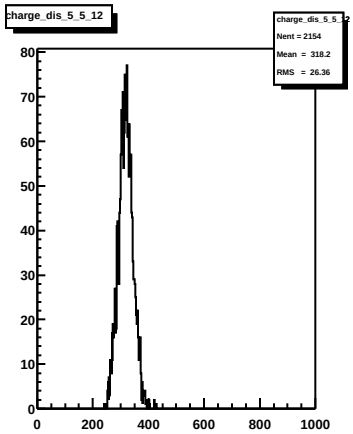
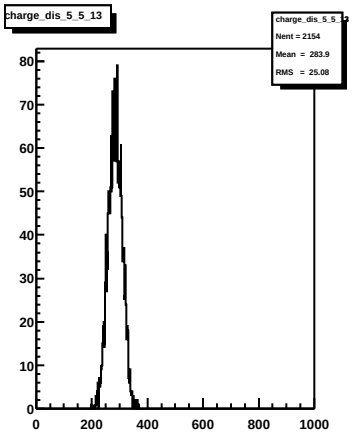
Mean = 328.2
RMS = 25.49

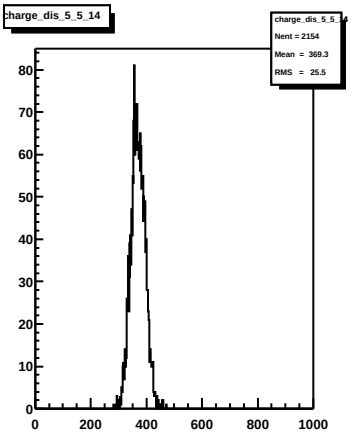

charge_dis_5_5_9
charge_dis_5_5_
Nent = 2154
Mean = 193.6
RMS = 20.04

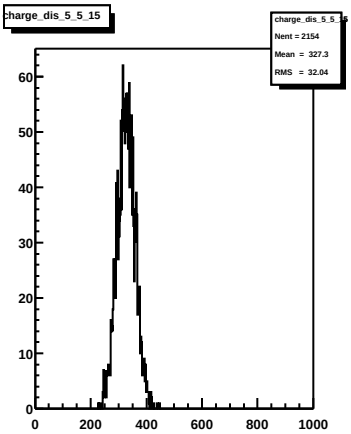

charge_dis_5_5_10
charge_dis_5_5_
Nent = 2154
Mean = 177.9
RMS = 16.6

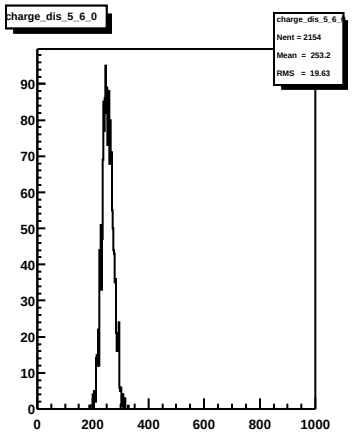

charge_dis_5_5_11
charge_dis_5_5_
Nent = 2154
Mean = 210.7
RMS = 22.93

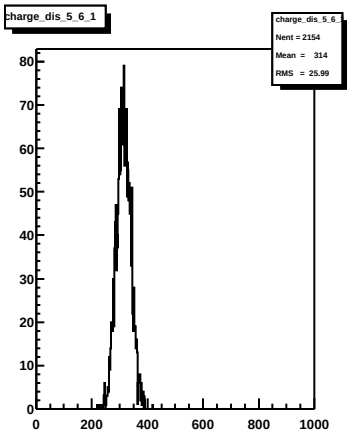

charge_dis_5_5_12
charge_dis_5_5_
Nent = 2154
Mean = 318.2
RMS = 26.36

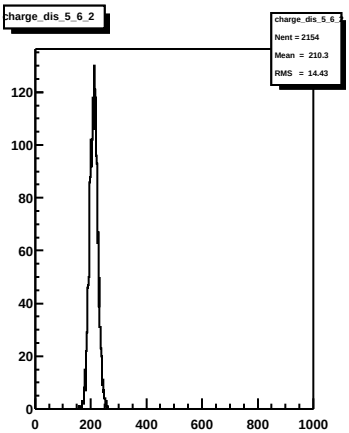

charge_dis_5_5_13
charge_dis_5_5_
Nent = 2154
Mean = 283.9
RMS = 25.08

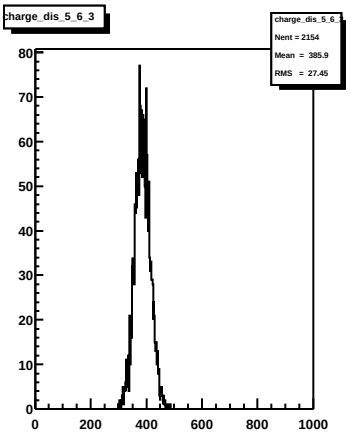

charge_dis_5_5_14
charge_dis_5_5_
Nent = 2154
Mean = 369.3
RMS = 25.5

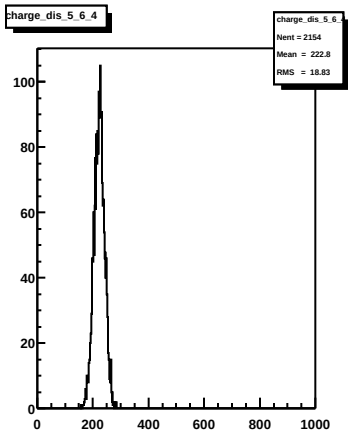

charge_dis_5_5_15
charge_dis_5_5_
Nent = 2154
Mean = 327.3
RMS = 32.04

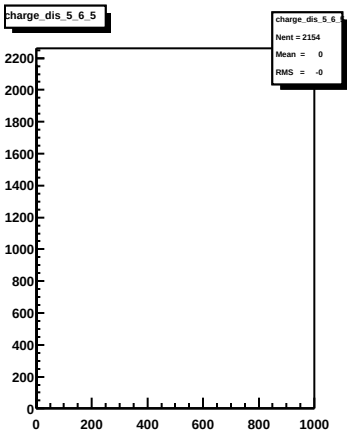

charge_dis_5_6_0
charge_dis_5_6_
Nent = 2154
Mean = 253.2
RMS = 19.63

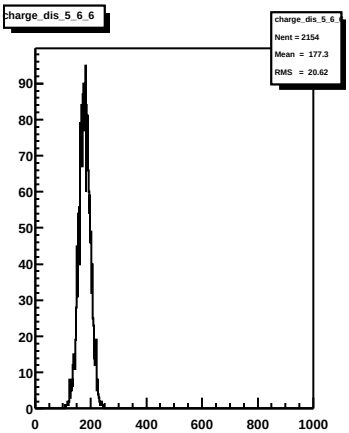

charge_dis_5_6_1
charge_dis_5_6_
Nent = 2154
Mean = 314
RMS = 25.99

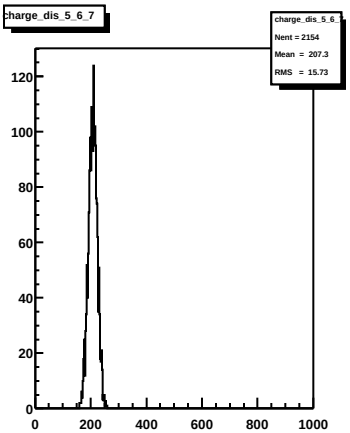

charge_dis_5_6_2
charge_dis_5_6_
Nent = 2154
Mean = 210.3
RMS = 14.43

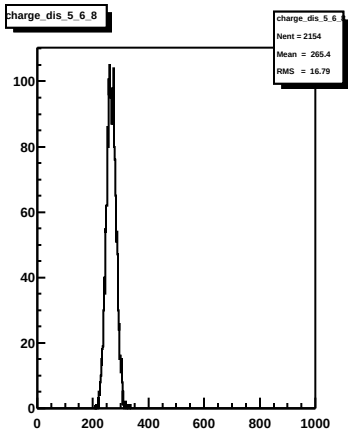

charge_dis_5_6_3
charge_dis_5_6_
Nent = 2154
Mean = 385.9
RMS = 27.45

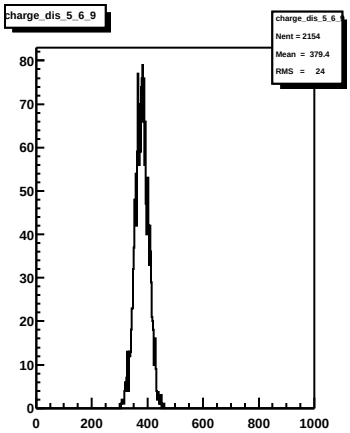

charge_dis_5_6_4
charge_dis_5_6_
Nent = 2154
Mean = 222.8
RMS = 18.83

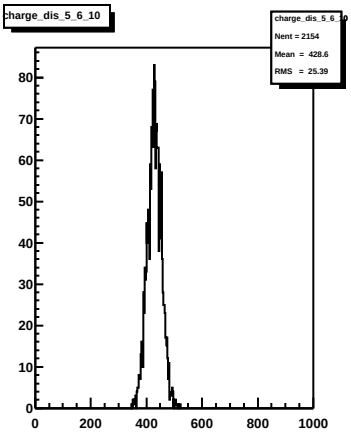

charge_dis_5_6_5
charge_dis_5_6_
Nent = 2154
Mean = 0
RMS = -0

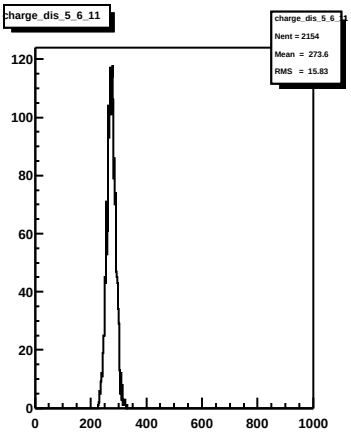

charge_dis_5_6_6
charge_dis_5_6_
Nent = 2154
Mean = 177.3
RMS = 20.62

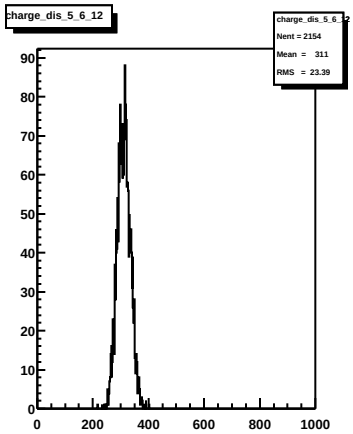

charge_dis_5_6_7
charge_dis_5_6_
Nent = 2154
Mean = 207.3
RMS = 15.73

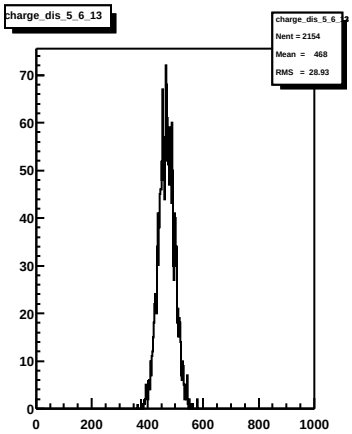

charge_dis_5_6_8
charge_dis_5_6_
Nent = 2154
Mean = 265.4
RMS = 16.79

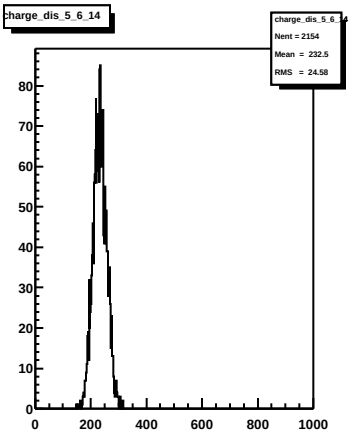

charge_dis_5_6_9
charge_dis_5_6_
Nent = 2154
Mean = 379.4
RMS = 24

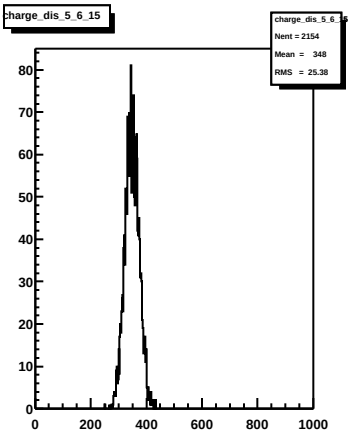

charge_dis_5_6_10
Nent = 2154
Mean = 428.6
RMS = 25.39

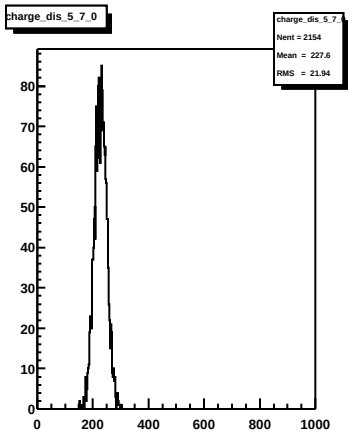

charge_dis_5_6_11
Nent = 2154
Mean = 273.6
RMS = 15.83

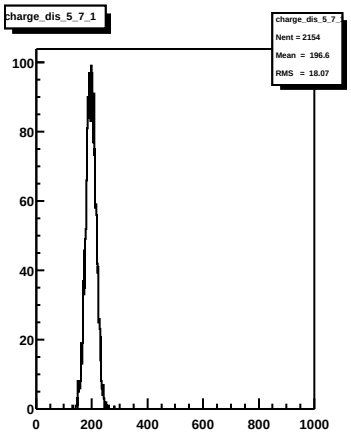

charge_dis_5_6_12
Nent = 2154
Mean = 311
RMS = 23.39

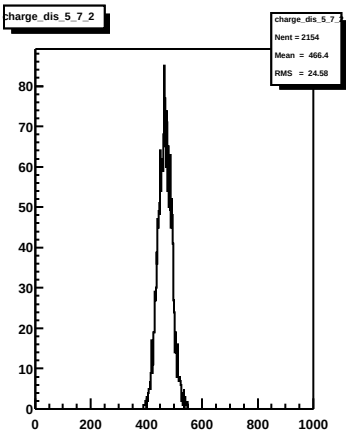

charge_dis_5_6_13
Nent = 2154
Mean = 468
RMS = 28.93

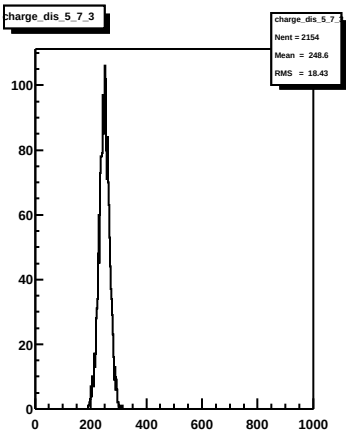

charge_dis_5_6_14
Nent = 2154
Mean = 232.5
RMS = 24.58

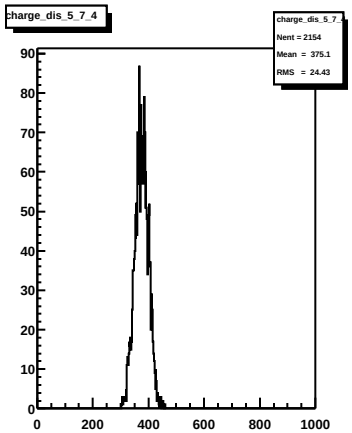

charge_dis_5_6_15
Nent = 2154
Mean = 348
RMS = 25.38

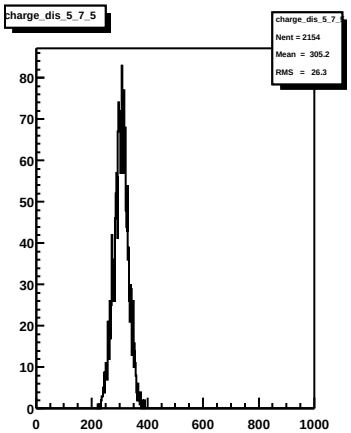

charge_dis_5_7_0
charge_dis_5_7_
Nent = 2154
Mean = 227.6
RMS = 21.94

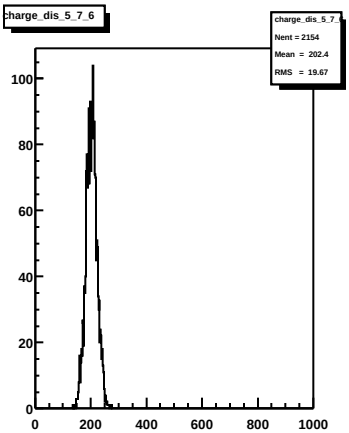

charge_dis_5_7_1
charge_dis_5_7_
Nent = 2154
Mean = 196.6
RMS = 18.07

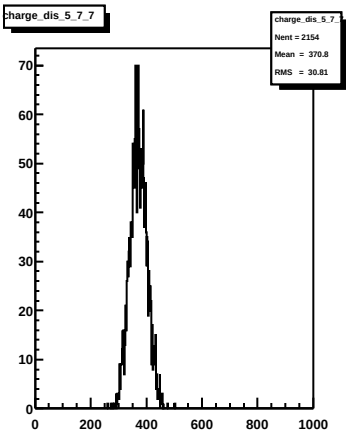

charge_dis_5_7_2
charge_dis_5_7_
Nent = 2154
Mean = 466.4
RMS = 24.58

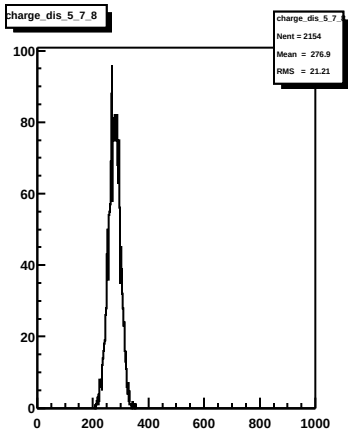

charge_dis_5_7_3
charge_dis_5_7_
Nent = 2154
Mean = 248.6
RMS = 18.43

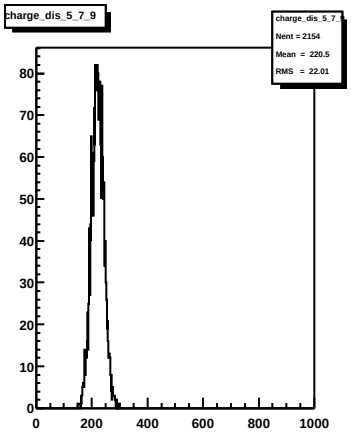

charge_dis_5_7_4
charge_dis_5_7_
Nent = 2154
Mean = 375.1
RMS = 24.43

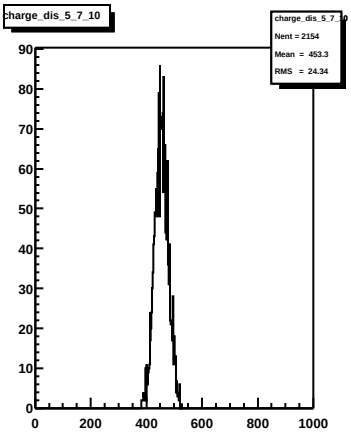

charge_dis_5_7_5
charge_dis_5_7_
Nent = 2154
Mean = 305.2
RMS = 26.3

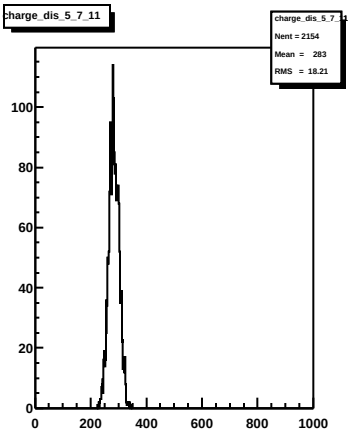

charge_dis_5_7_6
charge_dis_5_7_
Nent = 2154
Mean = 202.4
RMS = 19.67

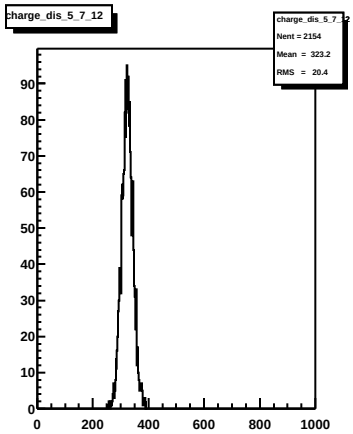

charge_dis_5_7_7
charge_dis_5_7_
Nent = 2154
Mean = 370.8
RMS = 30.81

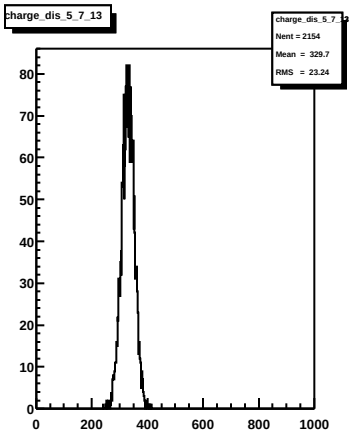

charge_dis_5_7_8
charge_dis_5_7_
Nent = 2154
Mean = 276.9
RMS = 21.21

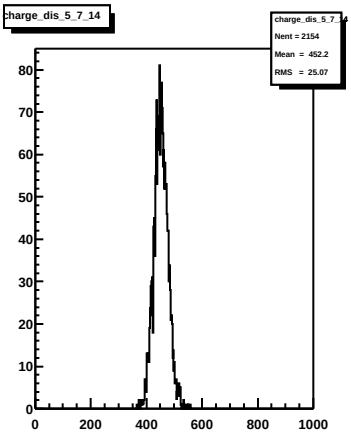

charge_dis_5_7_9
charge_dis_5_7_
Nent = 2154
Mean = 220.5
RMS = 22.01

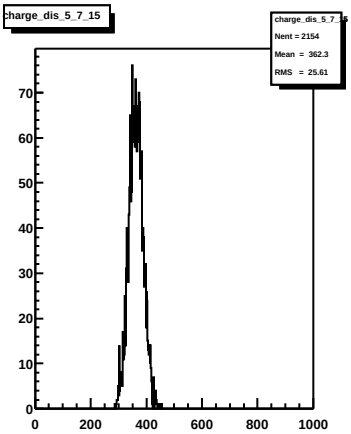

charge_dis_5_7_10
Nent = 2154
Mean = 453.3
RMS = 24.34

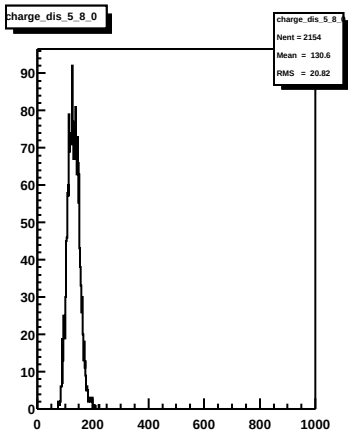

charge_dis_5_7_11
Nent = 2154
Mean = 283
RMS = 18.21

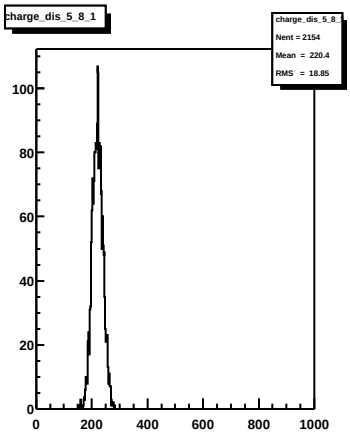

charge_dis_5_7_12
Nent = 2154
Mean = 323.2
RMS = 20.4

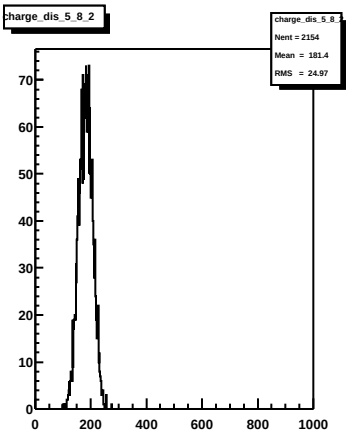

charge_dis_5_7_13
Nent = 2154
Mean = 329.7
RMS = 23.24

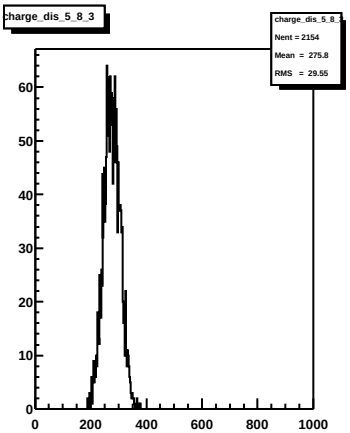

charge_dis_5_7_14
Nent = 2154
Mean = 452.2
RMS = 25.07

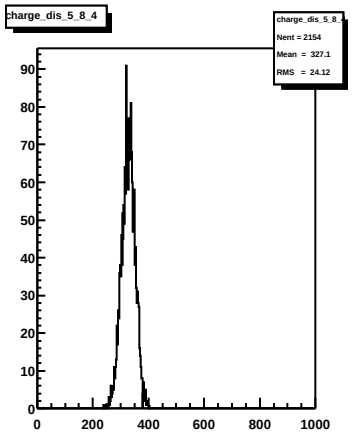

charge_dis_5_7_15
Nent = 2154
Mean = 362.3
RMS = 25.61

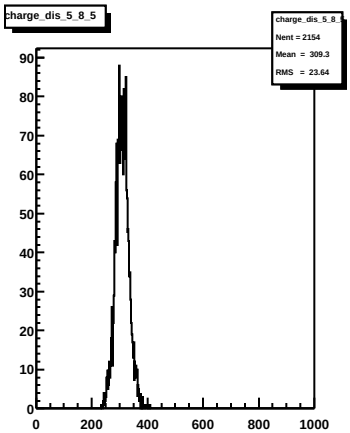

charge_dis_5_8_0
charge_dis_5_8_
Nent = 2154
Mean = 130.6
RMS = 20.82

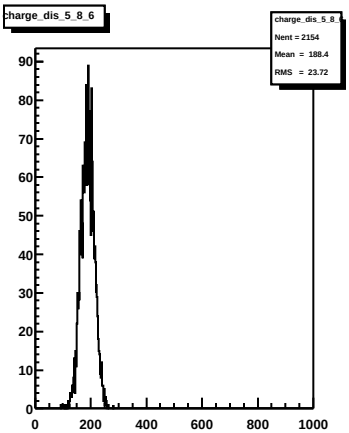

charge_dis_5_8_1
charge_dis_5_8_
Nent = 2154
Mean = 220.4
RMS = 18.85

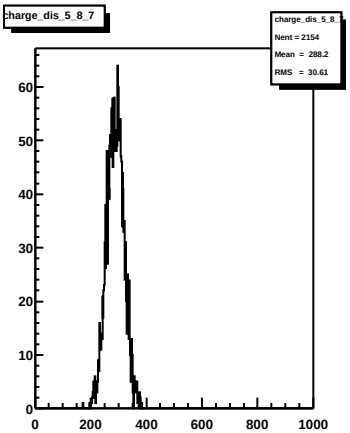

charge_dis_5_8_2
charge_dis_5_8_
Nent = 2154
Mean = 181.4
RMS = 24.97

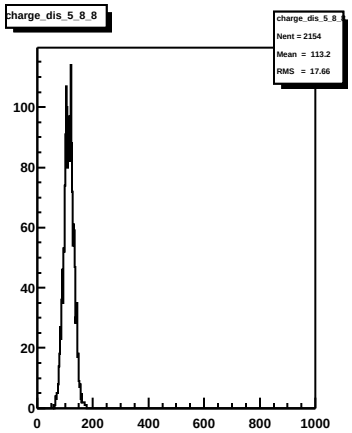

charge_dis_5_8_3
charge_dis_5_8_
Nent = 2154
Mean = 275.8
RMS = 29.55

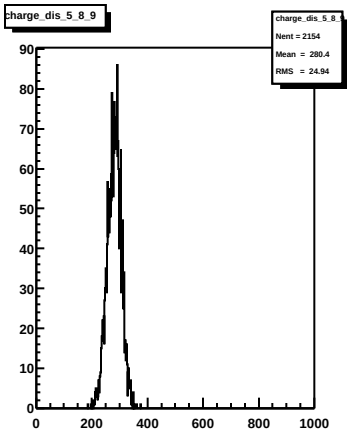

charge_dis_5_8_4
charge_dis_5_8_
Nent = 2154
Mean = 327.1
RMS = 24.12

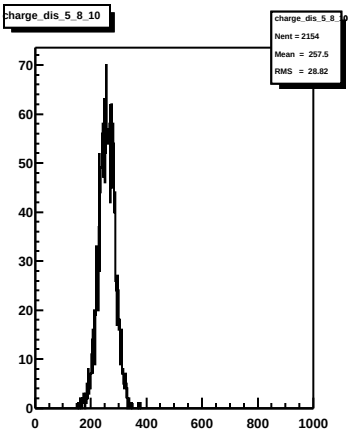

charge_dis_5_8_5
charge_dis_5_8_
Nent = 2154
Mean = 309.3
RMS = 23.64

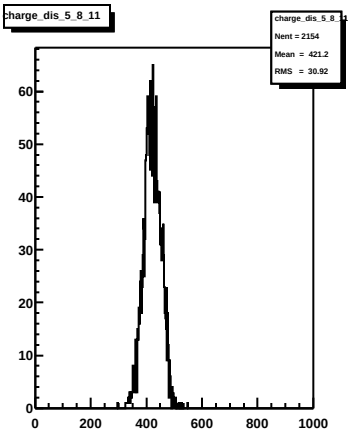

charge_dis_5_8_6
charge_dis_5_8_
Nent = 2154
Mean = 188.4
RMS = 23.72

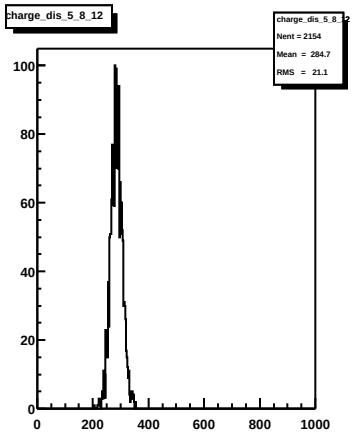

charge_dis_5_8_7
charge_dis_5_8_
Nent = 2154
Mean = 288.2
RMS = 30.61

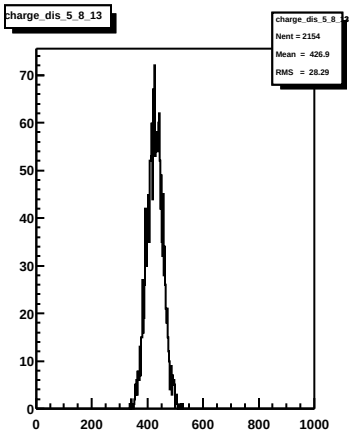

charge_dis_5_8_8
charge_dis_5_8_
Nent = 2154
Mean = 113.2
RMS = 17.66

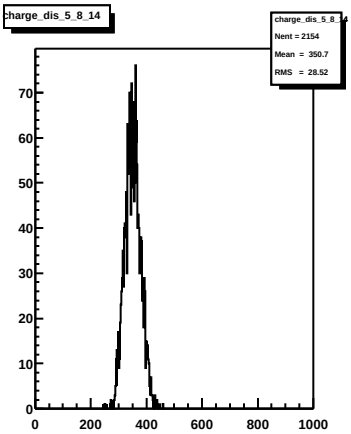

charge_dis_5_8_9
charge_dis_5_8_
Nent = 2154
Mean = 280.4
RMS = 24.94

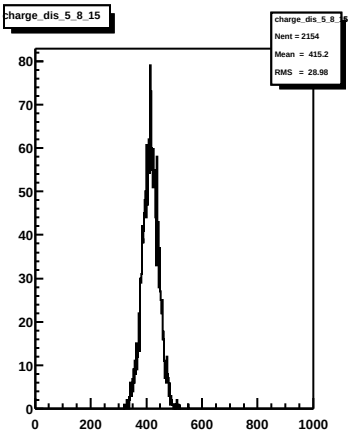

charge_dis_5_8_10
Nent = 2154
Mean = 257.5
RMS = 28.82

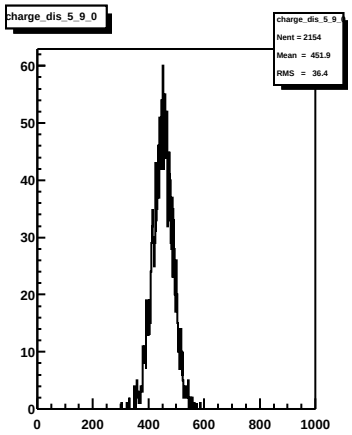

charge_dis_5_8_11
Nent = 2154
Mean = 421.2
RMS = 30.92

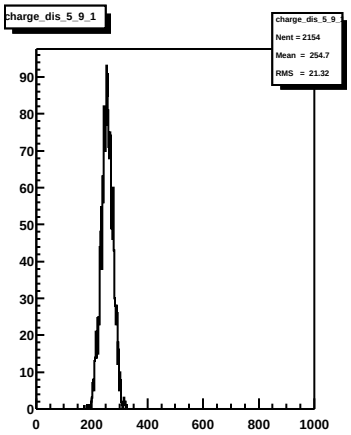

charge_dis_5_8_12
Nent = 2154
Mean = 284.7
RMS = 21.1

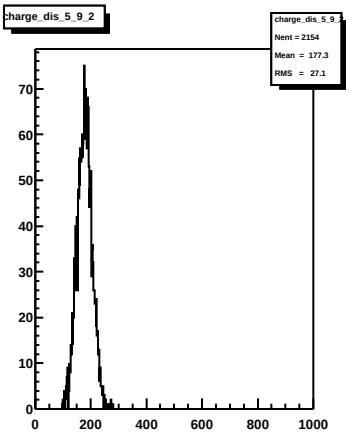

charge_dis_5_8_13
Nent = 2154
Mean = 426.9
RMS = 28.29

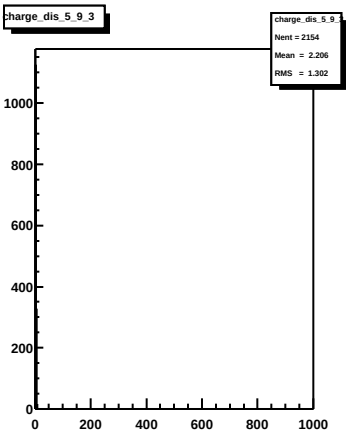

charge_dis_5_8_14
Nent = 2154
Mean = 350.7
RMS = 28.52

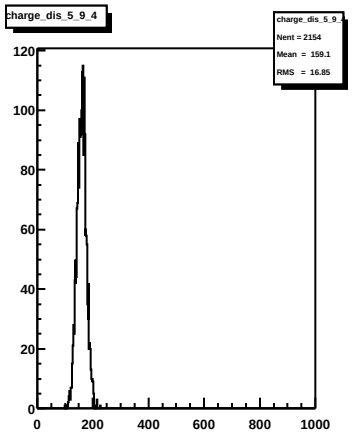

charge_dis_5_8_15
Nent = 2154
Mean = 415.2
RMS = 28.98

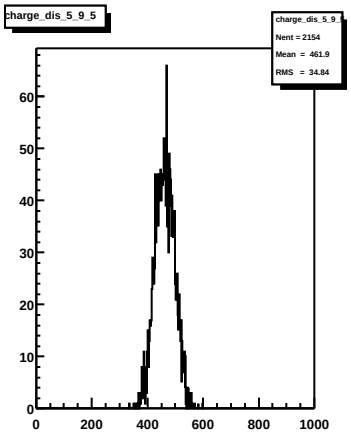

charge_dis_5_9_0
charge_dis_5_9_
Nent = 2154
Mean = 451.9
RMS = 36.4

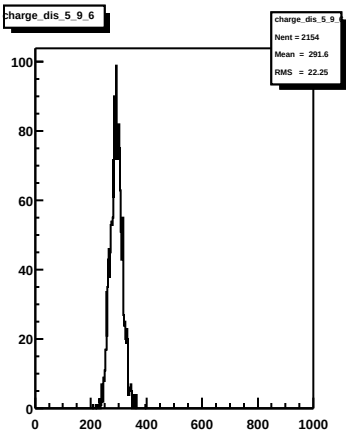

charge_dis_5_9_1
charge_dis_5_9_
Nent = 2154
Mean = 254.7
RMS = 21.32

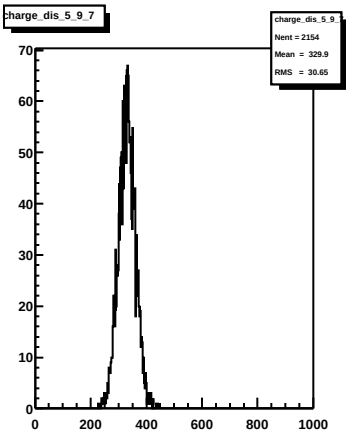

charge_dis_5_9_2
charge_dis_5_9_
Nent = 2154
Mean = 177.3
RMS = 27.1

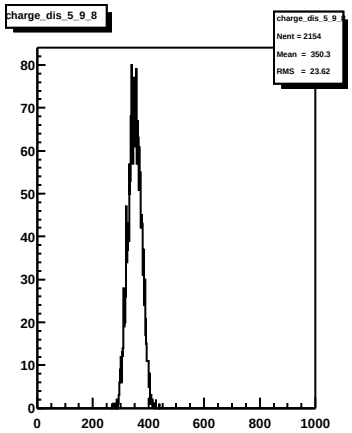

charge_dis_5_9_3
charge_dis_5_9_
Nent = 2154
Mean = 2.206
RMS = 1.302

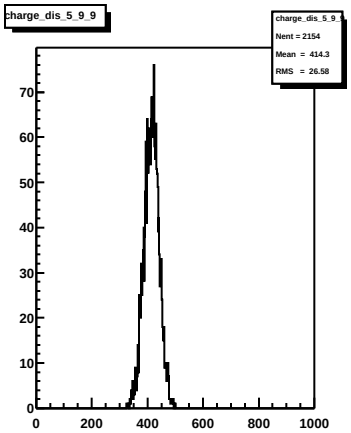

charge_dis_5_9_4
charge_dis_5_9_
Nent = 2154
Mean = 159.1
RMS = 16.85

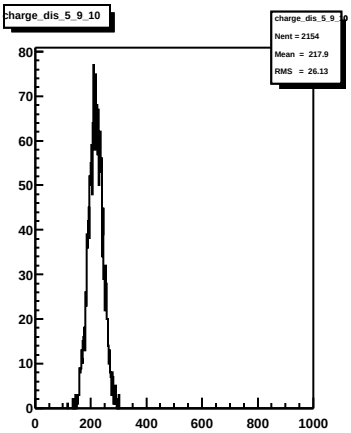

charge_dis_5_9_5
charge_dis_5_9_
Nent = 2154
Mean = 461.9
RMS = 34.84

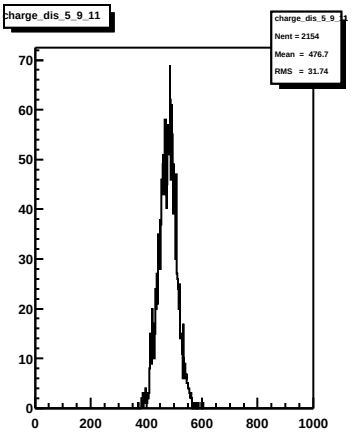

charge_dis_5_9_6
charge_dis_5_9_
Nent = 2154
Mean = 291.6
RMS = 22.25

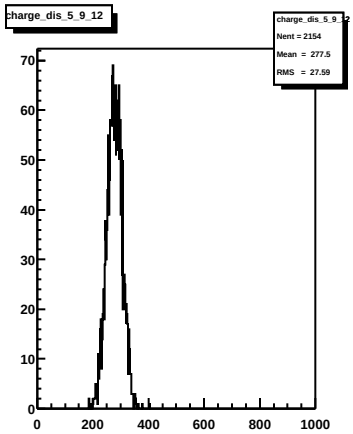

charge_dis_5_9_7
charge_dis_5_9_
Nent = 2154
Mean = 329.9
RMS = 30.65

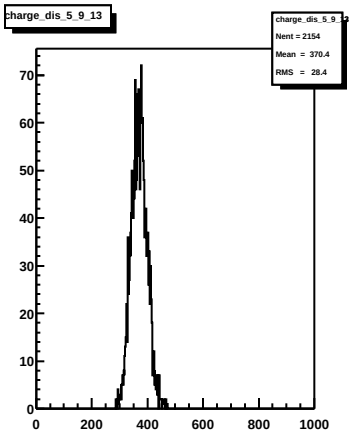

charge_dis_5_9_8
charge_dis_5_9_
Nent = 2154
Mean = 350.3
RMS = 23.62

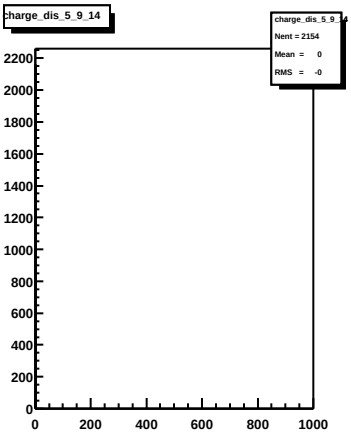

charge_dis_5_9_9
charge_dis_5_9_
Nent = 2154
Mean = 414.3
RMS = 26.58

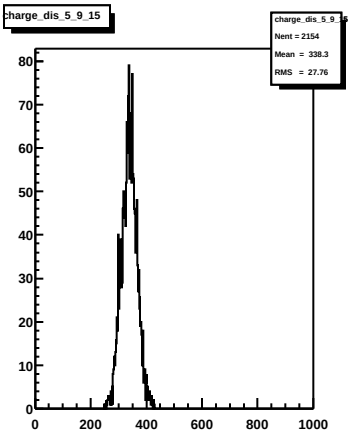

charge_dis_5_9_10
Nent = 2154
Mean = 217.9
RMS = 26.13

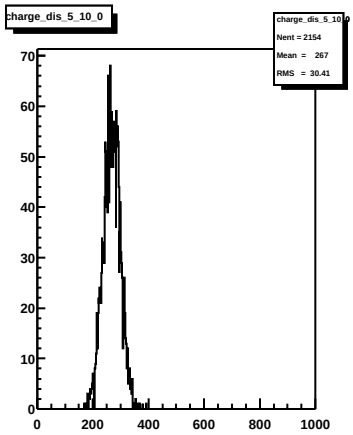

charge_dis_5_9_11
Nent = 2154
Mean = 476.7
RMS = 31.74

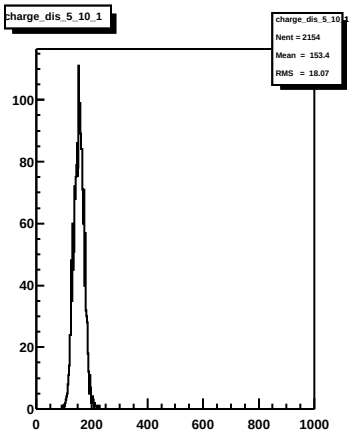

charge_dis_5_9_12
Nent = 2154
Mean = 277.5
RMS = 27.59

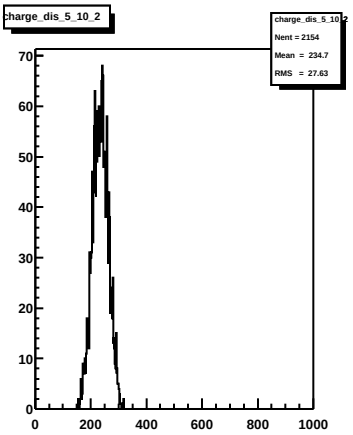

charge_dis_5_9_13
Nent = 2154
Mean = 370.4
RMS = 28.4

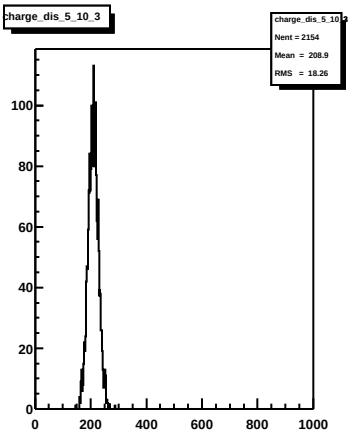

charge_dis_5_9_14
Nent = 2154
Mean = 0
RMS = -0

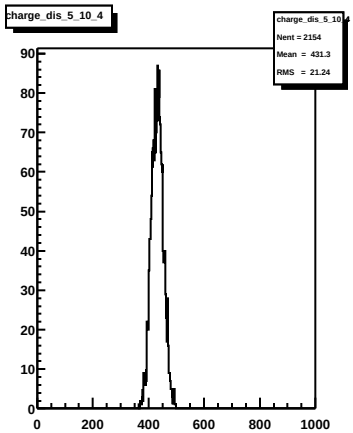

charge_dis_5_9_15
Nent = 2154
Mean = 338.3
RMS = 27.76

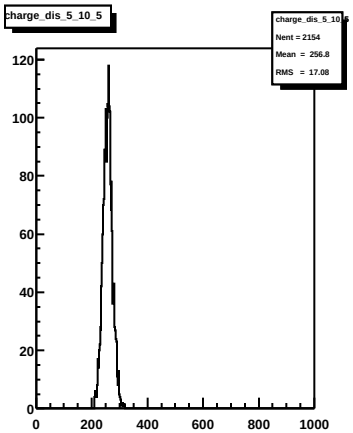

charge_dis_5_10_0
charge_dis_5_10_0
Nent = 2154
Mean = 267
RMS = 30.41

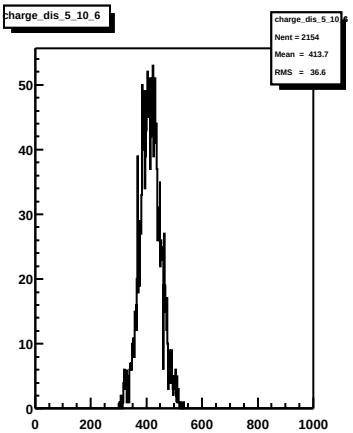

charge_dis_5_10_1
charge_dis_5_10_1
Nent = 2154
Mean = 153.4
RMS = 18.07

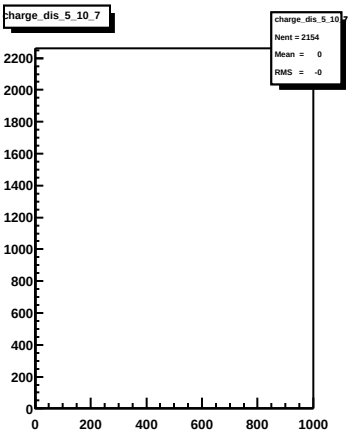

charge_dis_5_10_2
charge_dis_5_10_2
Nent = 2154
Mean = 234.7
RMS = 27.63

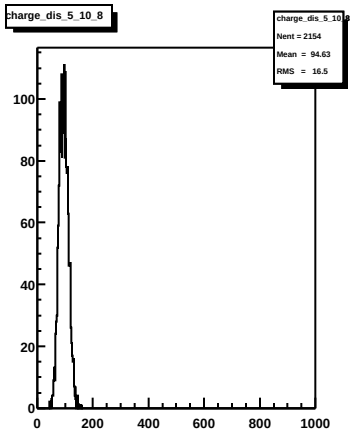

charge_dis_5_10_3
charge_dis_5_10_3
Nent = 2154
Mean = 208.9
RMS = 18.26

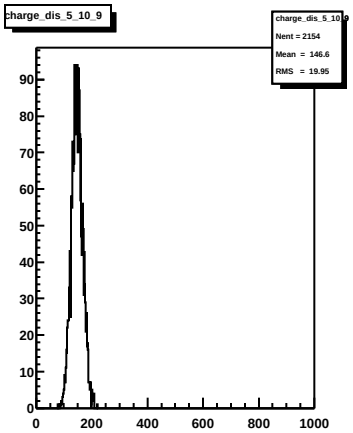

charge_dis_5_10_4
charge_dis_5_10_4
Nent = 2154
Mean = 431.3
RMS = 21.24

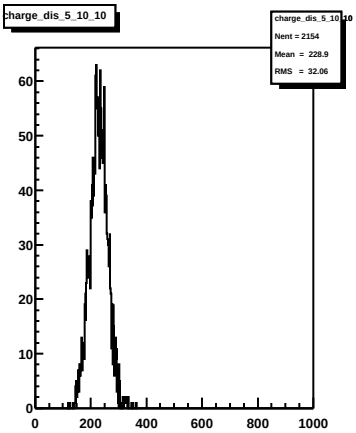

charge_dis_5_10_5
charge_dis_5_10_5
Nent = 2154
Mean = 256.8
RMS = 17.08

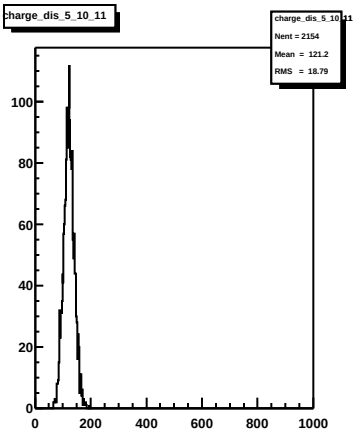

charge_dis_5_10_6
charge_dis_5_10_6
Nent = 2154
Mean = 413.7
RMS = 36.6

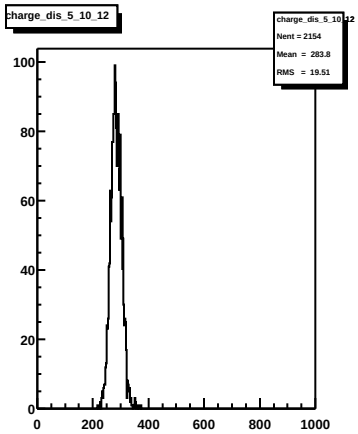

charge_dis_5_10_7
charge_dis_5_10_7
Nent = 2154
Mean = 0
RMS = -0

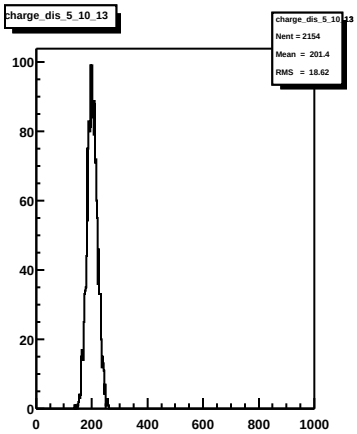

charge_dis_5_10_8
charge_dis_5_10_8
Nent = 2154
Mean = 94.63
RMS = 16.5

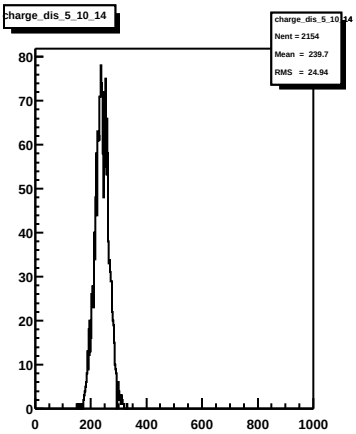

charge_dis_5_10_9
charge_dis_5_10_9
Nent = 2154
Mean = 146.6
RMS = 19.95

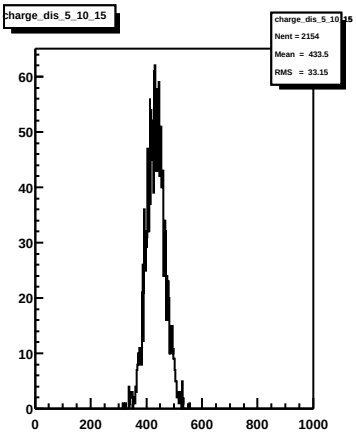

charge_dis_5_10_10
charge_dis_5_10_10
Nent = 2154
Mean = 228.9
RMS = 32.06

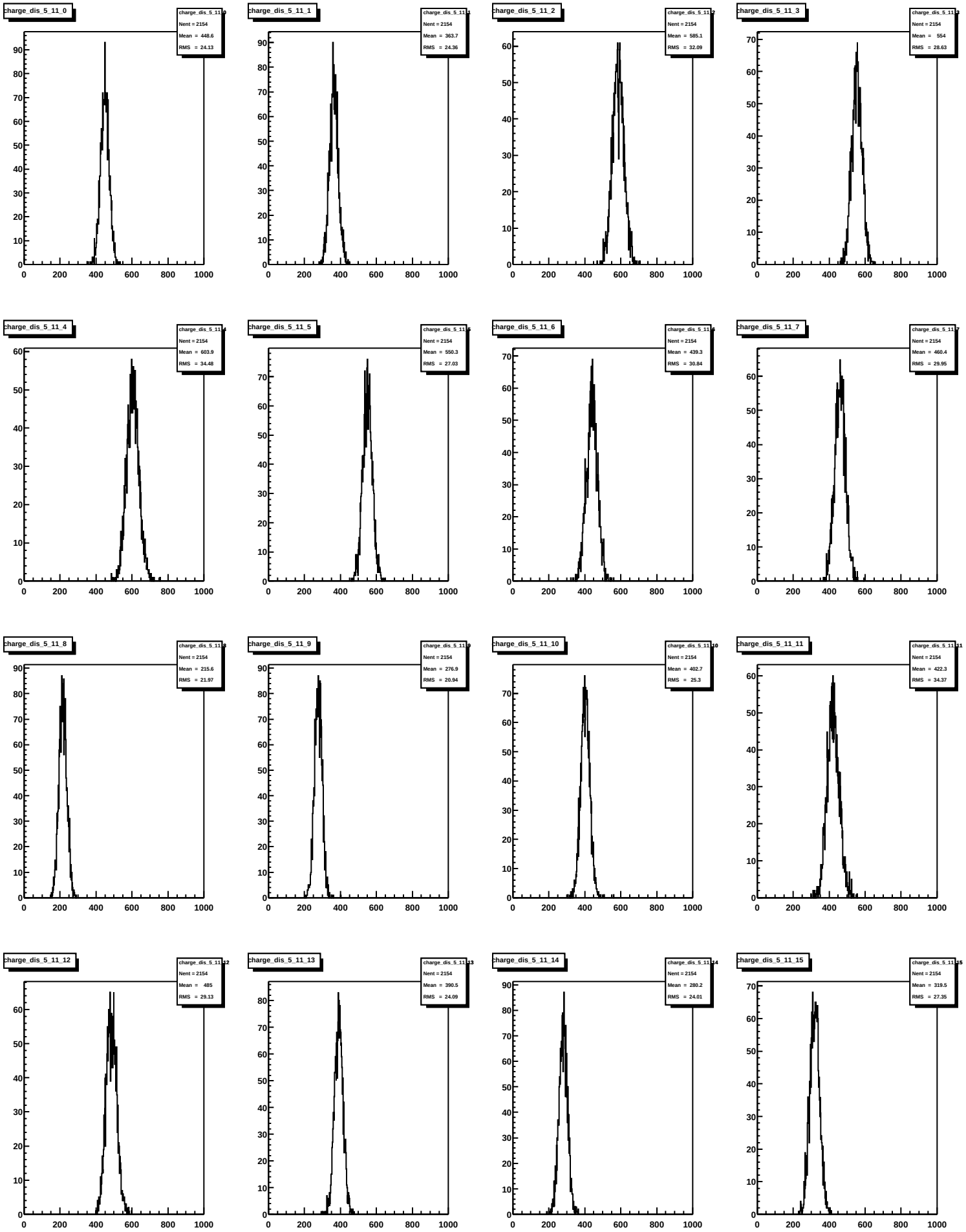

charge_dis_5_10_11
charge_dis_5_10_11
Nent = 2154
Mean = 121.2
RMS = 18.79

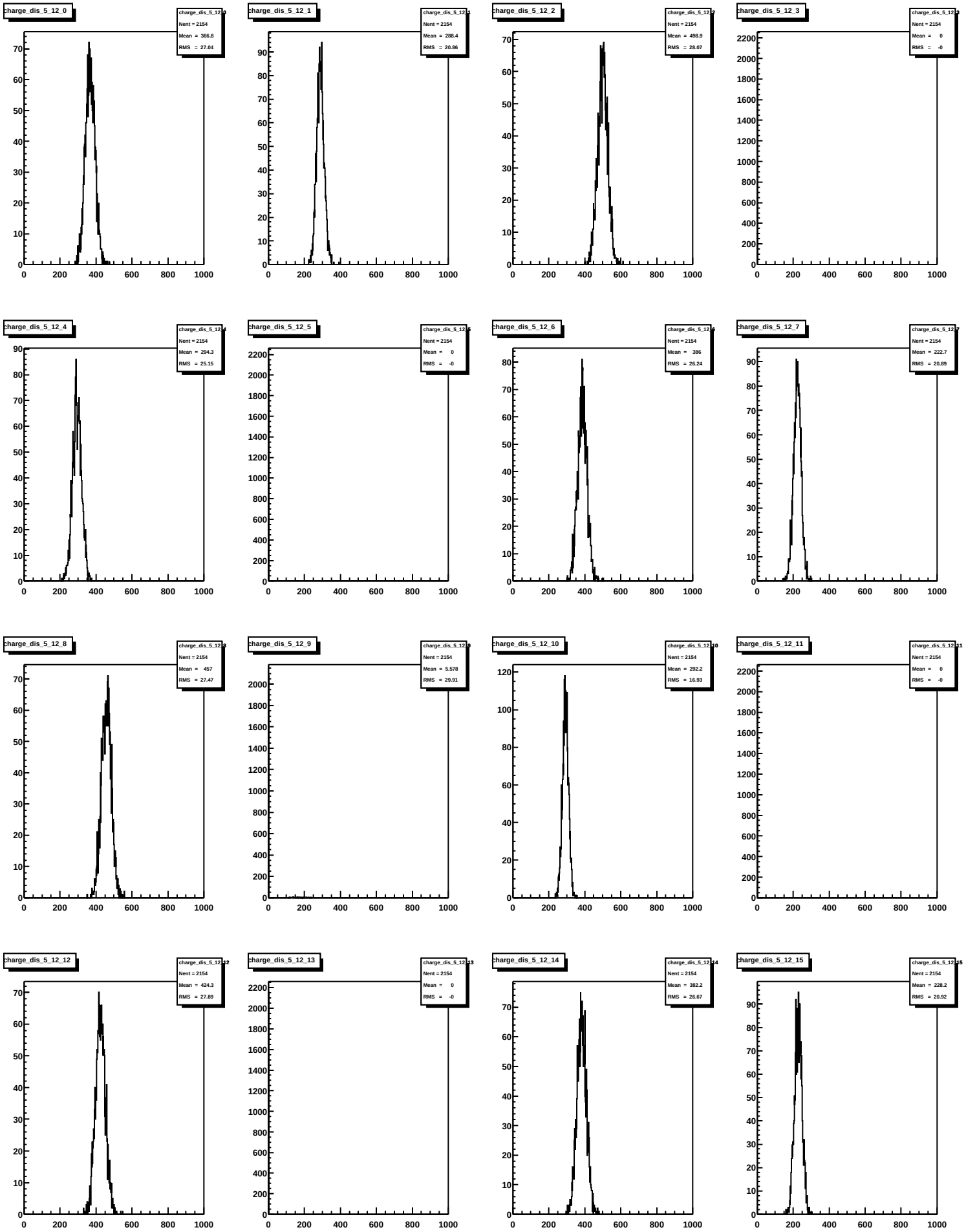

charge_dis_5_10_12
charge_dis_5_10_12
Nent = 2154
Mean = 283.8
RMS = 19.51

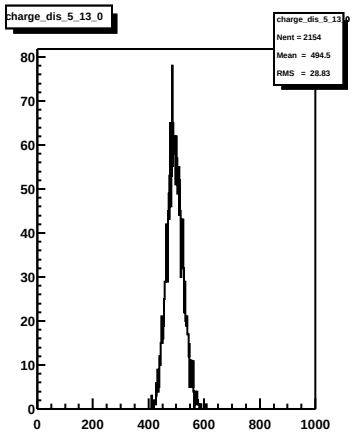

charge_dis_5_10_13
charge_dis_5_10_13
Nent = 2154
Mean = 201.4
RMS = 18.62

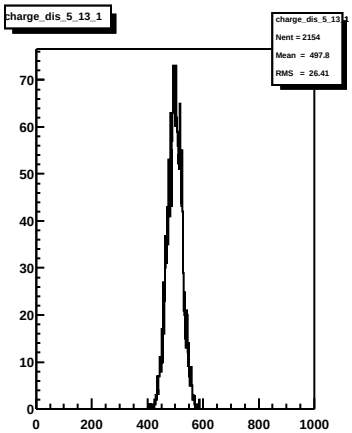

charge_dis_5_10_14
charge_dis_5_10_14
Nent = 2154
Mean = 239.7
RMS = 24.94


charge_dis_5_10_15
charge_dis_5_10_15
Nent = 2154
Mean = 433.5
RMS = 33.15


charge_dis_5_11_0
Nent = 2154
Mean = 448.6
RMS = 24.13
charge_dis_5_11_1
Nent = 2154
Mean = 363.7
RMS = 24.36
charge_dis_5_11_2
Nent = 2154
Mean = 585.1
RMS = 32.09
charge_dis_5_11_3
Nent = 2154
Mean = 554
RMS = 28.63
charge_dis_5_11_4
Nent = 2154
Mean = 603.9
RMS = 34.48
charge_dis_5_11_5
Nent = 2154
Mean = 550.3
RMS = 27.03
charge_dis_5_11_6
Nent = 2154
Mean = 439.3
RMS = 30.84
charge_dis_5_11_7
Nent = 2154
Mean = 460.4
RMS = 29.95
charge_dis_5_11_8
Nent = 2154
Mean = 215.6
RMS = 21.97
charge_dis_5_11_9
Nent = 2154
Mean = 276.9
RMS = 20.94
charge_dis_5_11_10
Nent = 2154
Mean = 402.7
RMS = 25.3
charge_dis_5_11_11
Nent = 2154
Mean = 422.3
RMS = 34.37
charge_dis_5_11_12
Nent = 2154
Mean = 485
RMS = 29.13
charge_dis_5_11_13
Nent = 2154
Mean = 390.5
RMS = 24.09
charge_dis_5_11_14
Nent = 2154
Mean = 280.2
RMS = 24.01
charge_dis_5_11_15
Nent = 2154
Mean = 319.5
RMS = 27.35


charge_dis_5_12_0
charge_dis_5_12_0
Nent = 2154
Mean = 366.8
RMS = 27.04
charge_dis_5_12_1
charge_dis_5_12_1
Nent = 2154
Mean = 288.4
RMS = 20.86
charge_dis_5_12_2
charge_dis_5_12_2
Nent = 2154
Mean = 498.9
RMS = 28.07
charge_dis_5_12_3
charge_dis_5_12_3
Nent = 2154
Mean = 0
RMS = -0
charge_dis_5_12_4
charge_dis_5_12_4
Nent = 2154
Mean = 294.3
RMS = 25.15
charge_dis_5_12_5
charge_dis_5_12_5
Nent = 2154
Mean = 0
RMS = -0
charge_dis_5_12_6
charge_dis_5_12_6
Nent = 2154
Mean = 386
RMS = 26.24
charge_dis_5_12_7
charge_dis_5_12_7
Nent = 2154
Mean = 222.7
RMS = 20.89
charge_dis_5_12_8
charge_dis_5_12_8
Nent = 2154
Mean = 457
RMS = 27.47
charge_dis_5_12_9
charge_dis_5_12_9
Nent = 2154
Mean = 5.578
RMS = 29.91
charge_dis_5_12_10
charge_dis_5_12_10
Nent = 2154
Mean = 292.2
RMS = 16.93
charge_dis_5_12_11
charge_dis_5_12_11
Nent = 2154
Mean = 0
RMS = -0
charge_dis_5_12_12
charge_dis_5_12_12
Nent = 2154
Mean = 424.3
RMS = 27.89
charge_dis_5_12_13
charge_dis_5_12_13
Nent = 2154
Mean = 0
RMS = -0
charge_dis_5_12_14
charge_dis_5_12_14
Nent = 2154
Mean = 382.2
RMS = 26.67
charge_dis_5_12_15
charge_dis_5_12_15
Nent = 2154
Mean = 228.2
RMS = 20.92


charge_dis_5_13_0
charge_dis_5_13_0
Nent = 2154
Mean = 494.5
RMS = 28.83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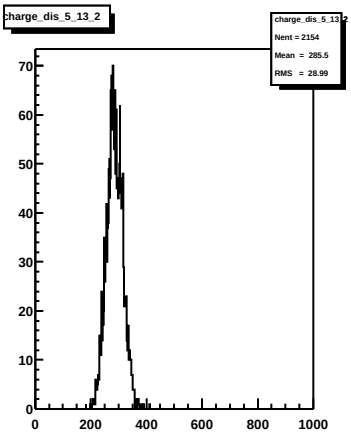
charge_dis_5_13_1
Nent = 2154
Mean = 497.8
RMS = 26.41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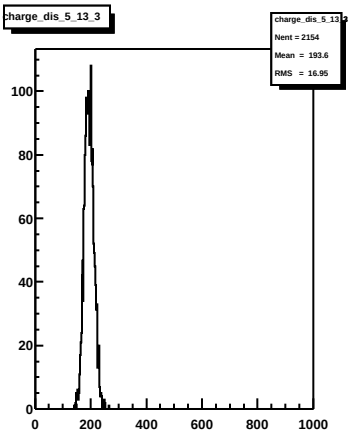
Mean = 285.5
RMS = 28.99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charge_dis_5_13_3
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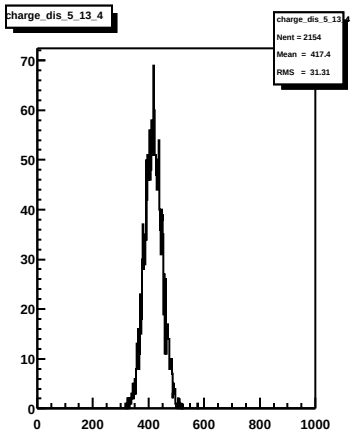
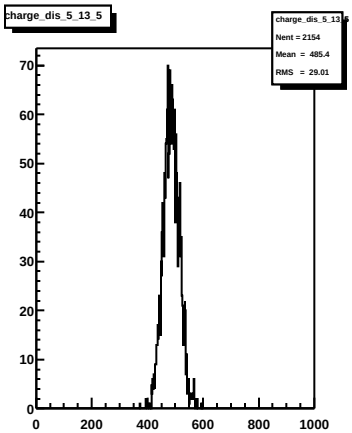
RMS = 16.95


charge_dis_5_13_4
charge_dis_5_13_4
Nent = 2154
Mean = 417.4
RMS = 31.31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charge_dis_5_13_5
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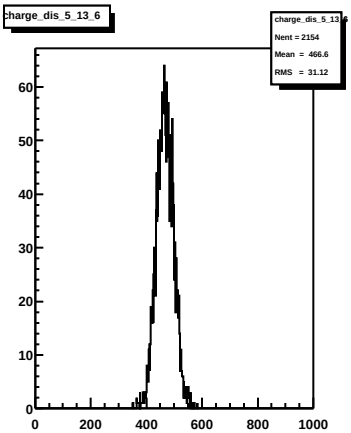
Mean = 485.4
RMS = 29.01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charge_dis_5_13_6
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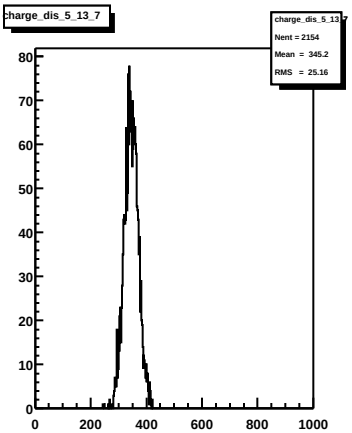
Mean = 466.6
RMS = 31.12


charge_dis_5_13_7
charge_dis_5_13_7
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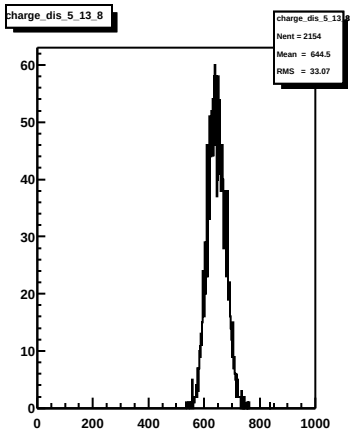
Mean = 345.2
RMS = 25.16


charge_dis_5_13_8
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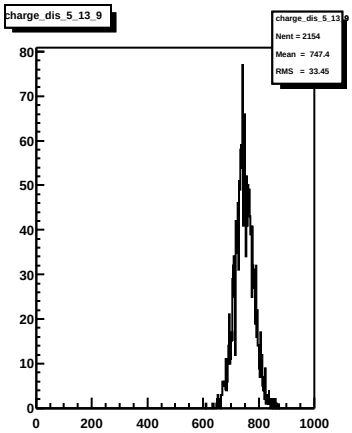
Mean = 644.5
RMS = 33.07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charge_dis_5_13_9
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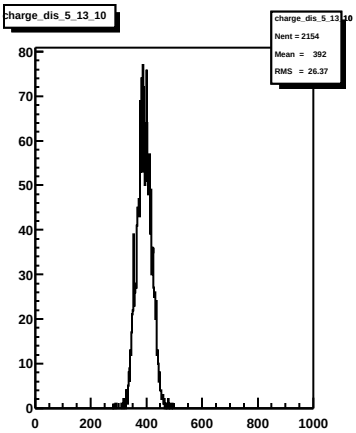
RMS = 33.45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charge_dis_5_13_10
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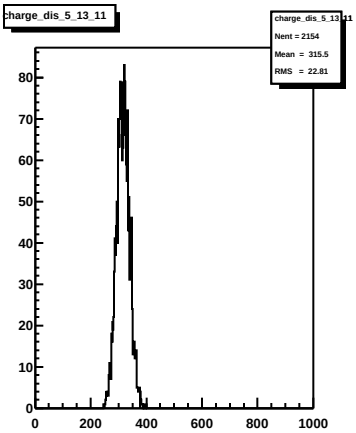
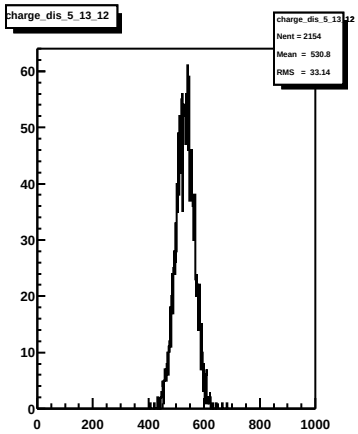
Mean = 392
RMS = 26.37


charge_dis_5_13_11
charge_dis_5_13_11
Nent = 2154
Mean = 315.5
RMS = 22.81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charge_dis_5_13_12
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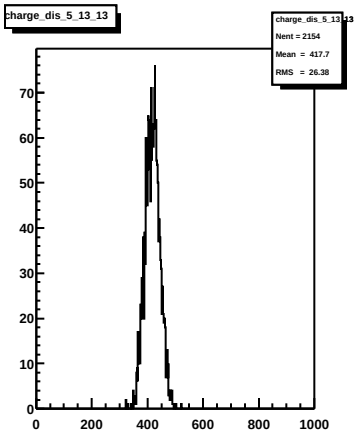
Mean = 530.8
RMS = 33.14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charge_dis_5_13_13
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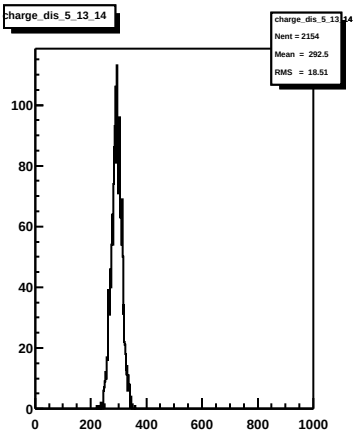
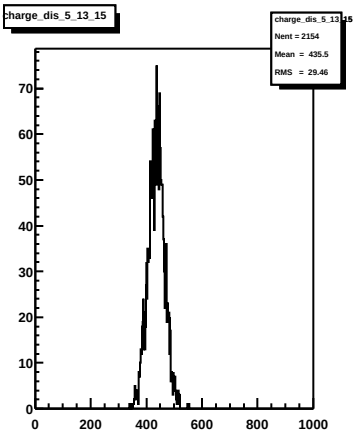
Mean = 417.7
RMS = 26.38


charge_dis_5_13_14
charge_dis_5_13_14
Nent = 2154
Mean = 292.5
RMS = 18.51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charge_dis_5_13_15
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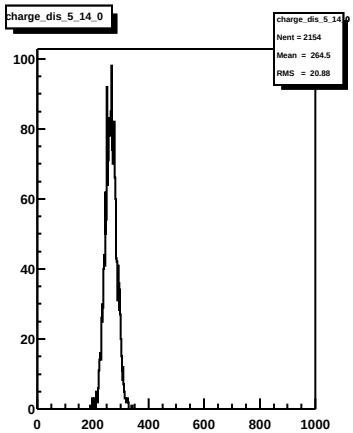
RMS = 29.46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charge_dis_5_14_0
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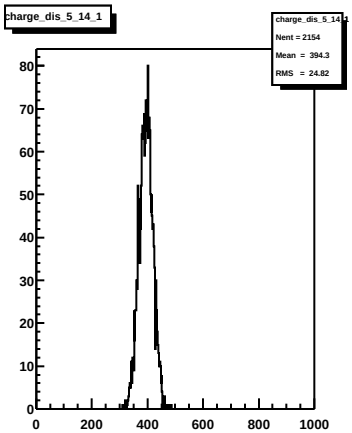
Mean = 264.5
RMS = 20.88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charge_dis_5_14_1
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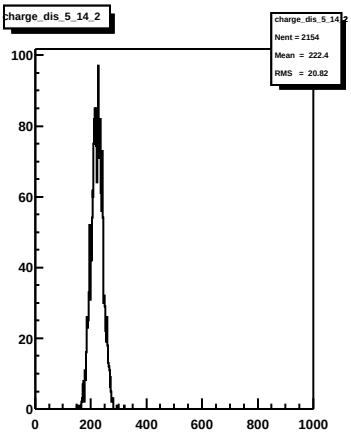
RMS = 24.82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charge_dis_5_14_2
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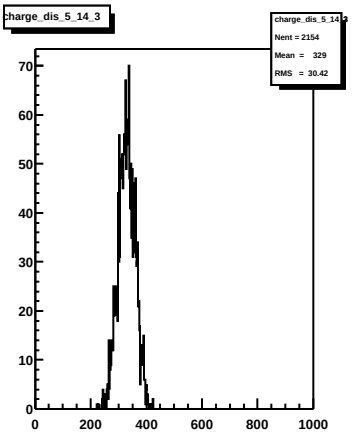
Mean = 222.4
RMS = 20.82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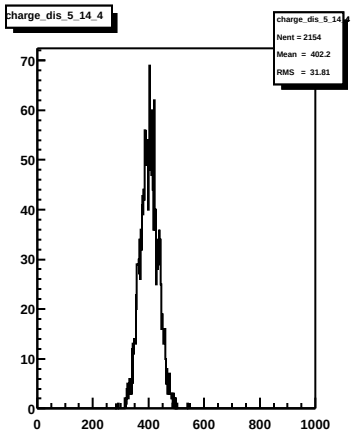
charge_dis_5_14_3
Nent = 2154
Mean = 329
RMS = 30.42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charge_dis_5_14_4
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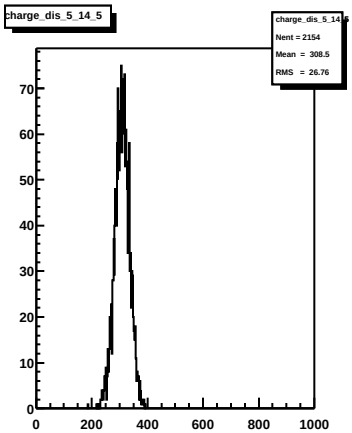
Mean = 402.2
RMS = 31.81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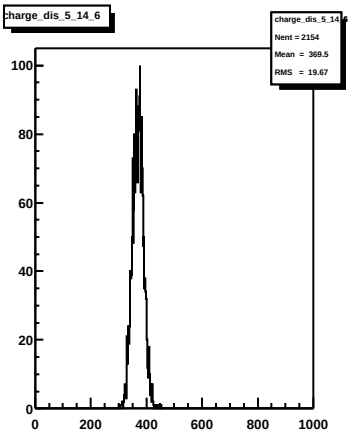
charge_dis_5_14_5
Nent = 2154
Mean = 308.5
RMS = 26.76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charge_dis_5_14_6
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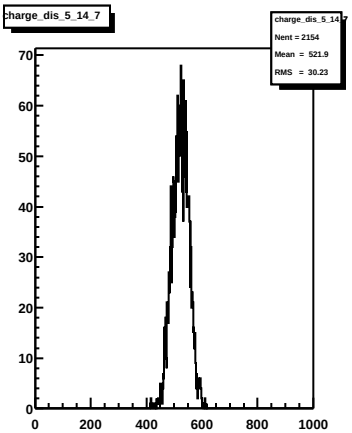
Mean = 369.5
RMS = 19.67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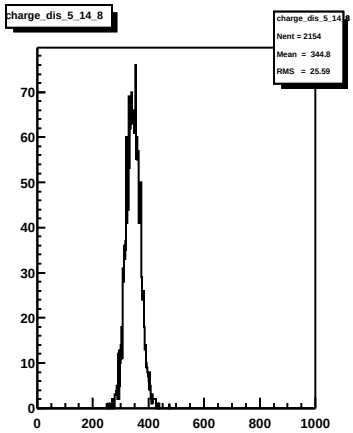
charge_dis_5_14_7
Nent = 2154
Mean = 521.9
RMS = 30.23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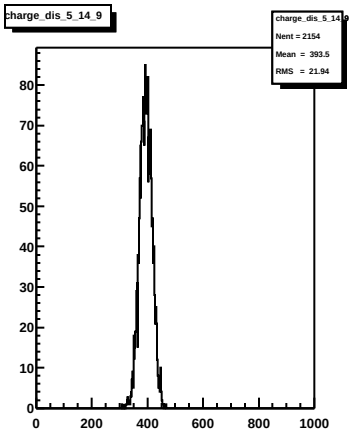
charge_dis_5_14_8
Nent = 2154
Mean = 344.8
RMS = 25.59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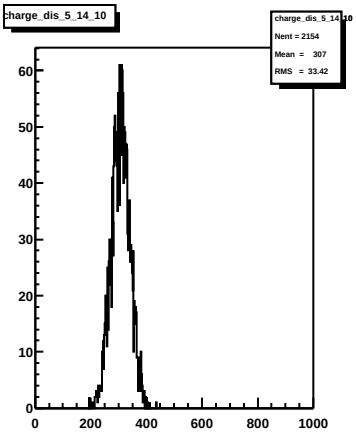
charge_dis_5_14_9
Nent = 2154
Mean = 393.5
RMS = 21.94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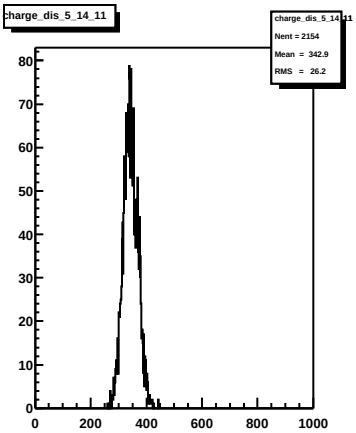
charge_dis_5_14_10
Nent = 2154
Mean = 307
RMS = 33.42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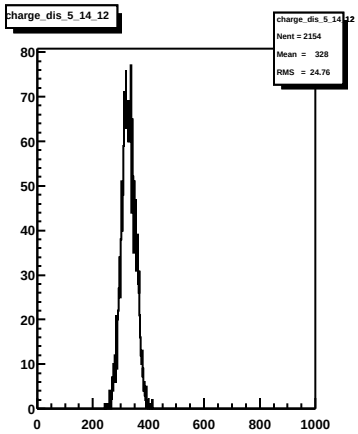
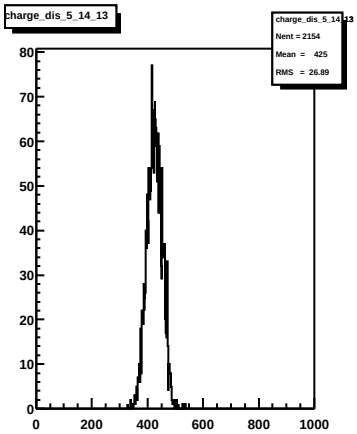
charge_dis_5_14_11
Nent = 2154
Mean = 342.9
RMS = 26.2


charge_dis_5_14_12
charge_dis_5_14_12
Nent = 2154
Mean = 328
RMS = 24.76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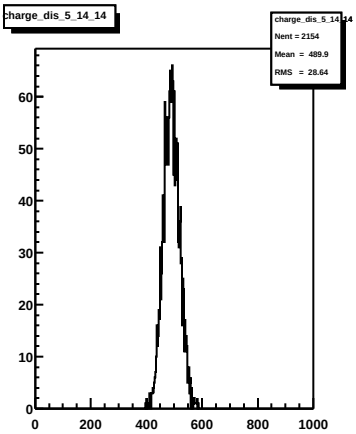
charge_dis_5_14_13
Nent = 2154
Mean = 425
RMS = 26.89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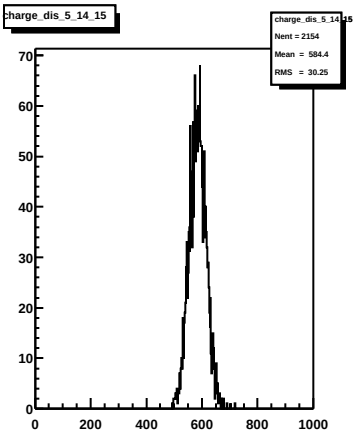
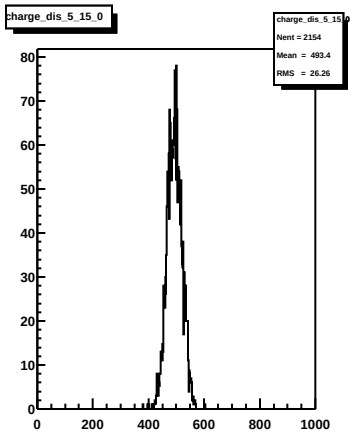
Nent = 2154
Mean = 489.9
RMS = 28.64


charge_dis_5_14_15
charge_dis_5_14_15
Nent = 2154
Mean = 584.4
RMS = 30.25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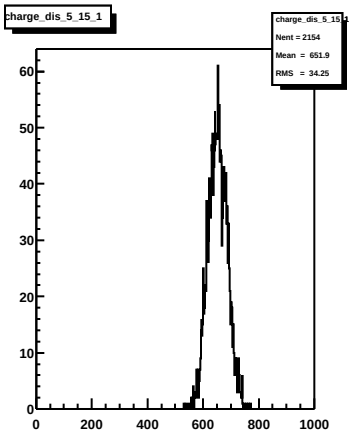
Mean = 493.4
RMS = 26.26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charge_dis_5_15_1
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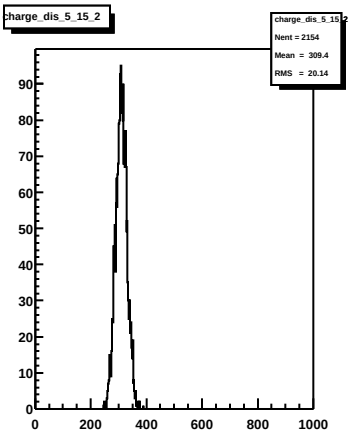
Mean = 651.9
RMS = 34.25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charge_dis_5_15_2
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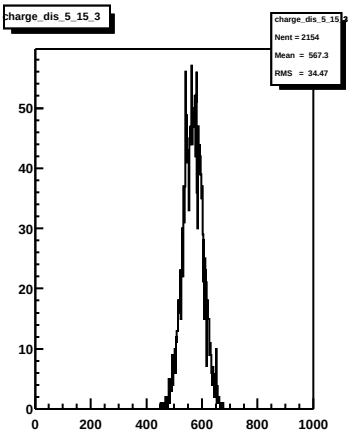
Mean = 309.4
RMS = 20.14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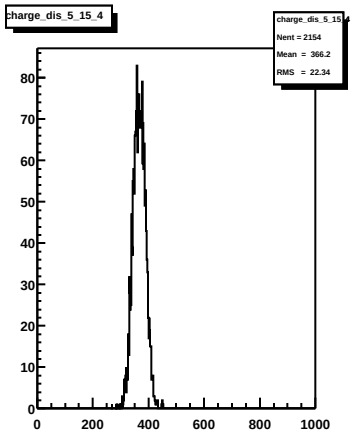
RMS = 34.47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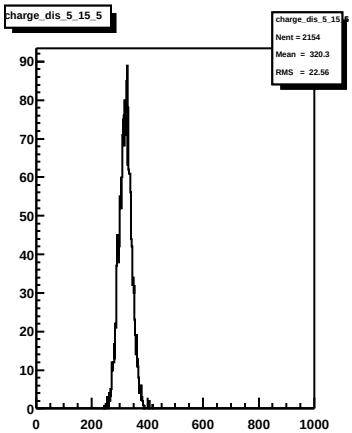
Mean = 366.2
RMS = 22.34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charge_dis_5_15_5
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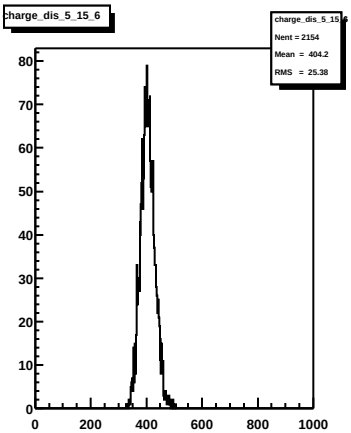
RMS = 22.56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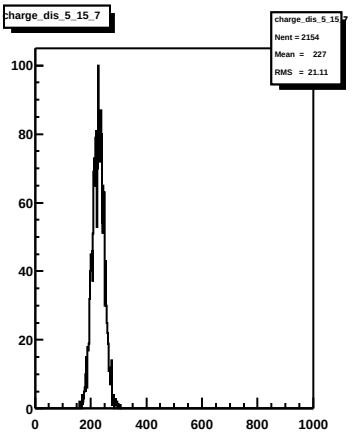
Mean = 404.2
RMS = 25.38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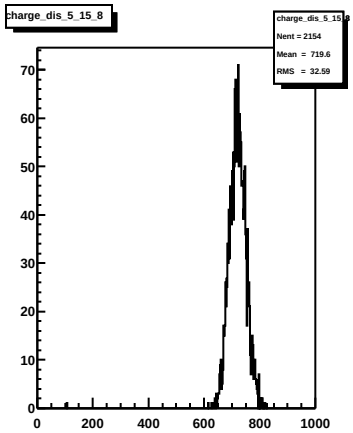
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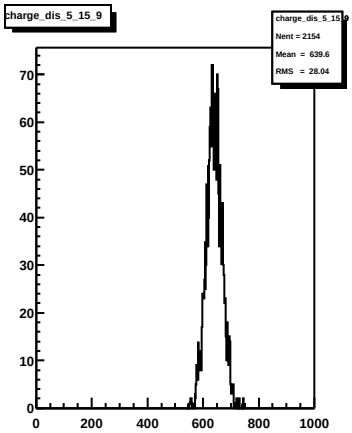
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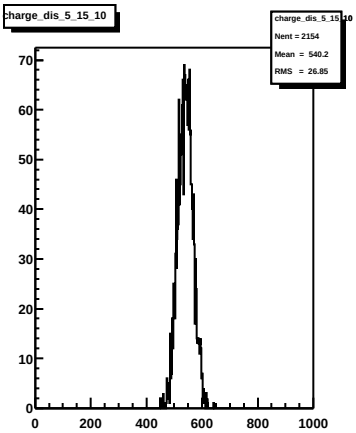
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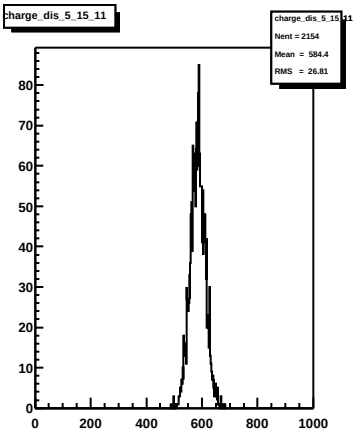
charge_dis_5_15_11
charge_dis_5_15_11
Nent = 2154
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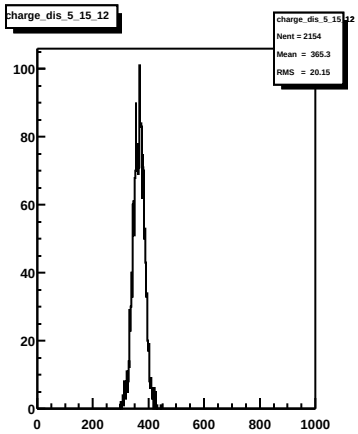
RMS = 26.81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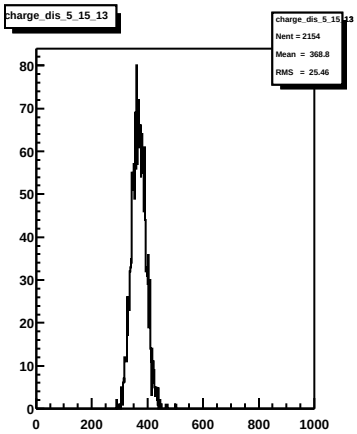
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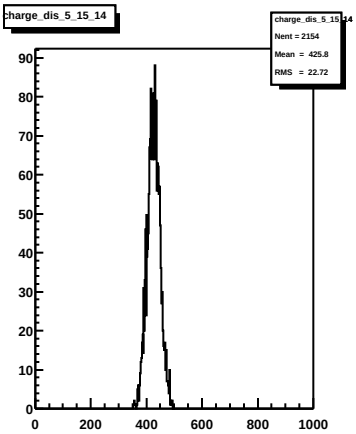
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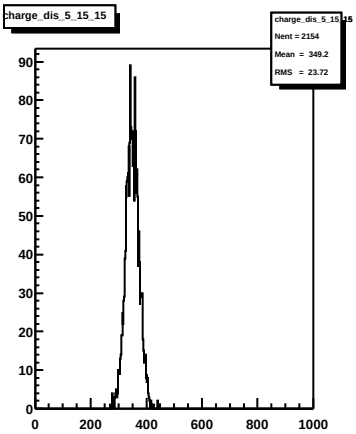
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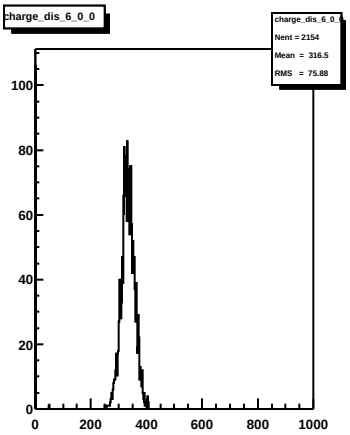
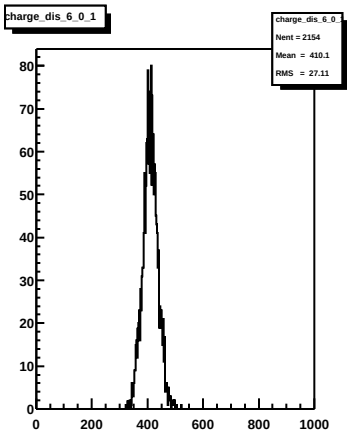
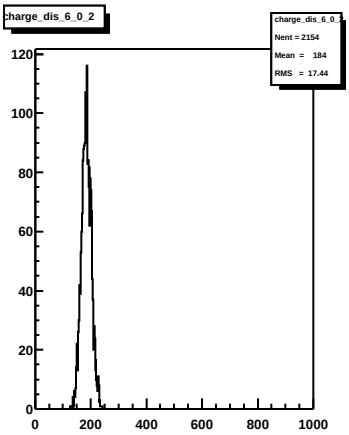
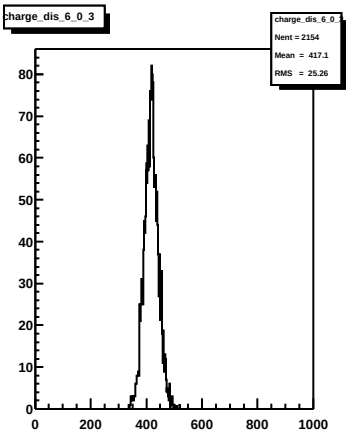
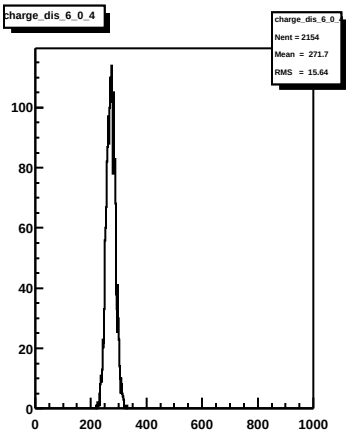
charge_dis_5_15_15
Nent = 2154
Mean = 349.2
RMS = 23.72

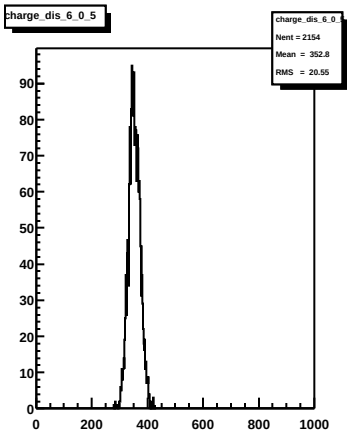

charge_dis_6_0_0
charge_dis_6_0_
Nent = 2154
Mean = 316.5
RMS = 75.88

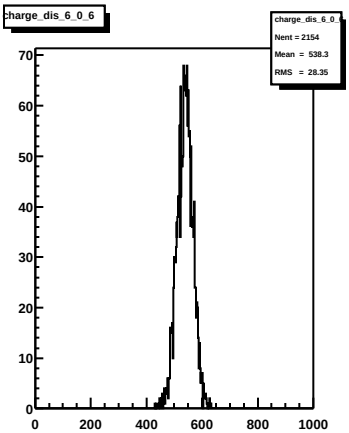

charge_dis_6_0_1
charge_dis_6_0_
Nent = 2154
Mean = 410.1
RMS = 27.11

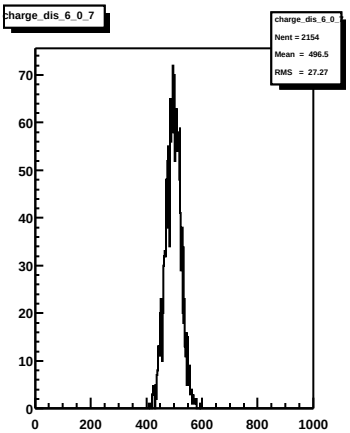

charge_dis_6_0_2
charge_dis_6_0_
Nent = 2154
Mean = 184
RMS = 17.44

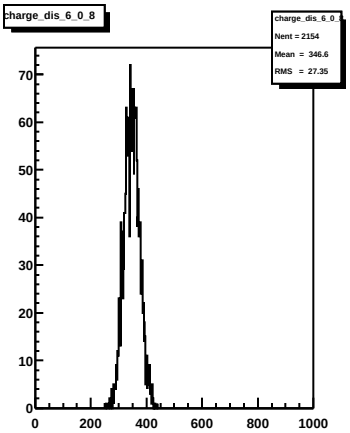

charge_dis_6_0_3
charge_dis_6_0_
Nent = 2154
Mean = 417.1
RMS = 25.26

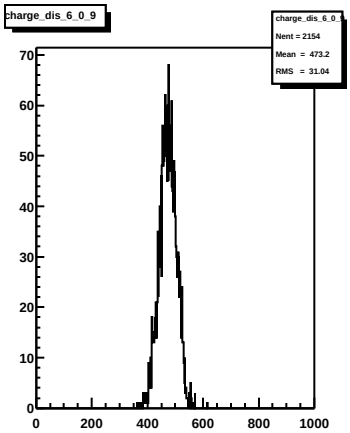

charge_dis_6_0_4
charge_dis_6_0_
Nent = 2154
Mean = 271.7
RMS = 15.64

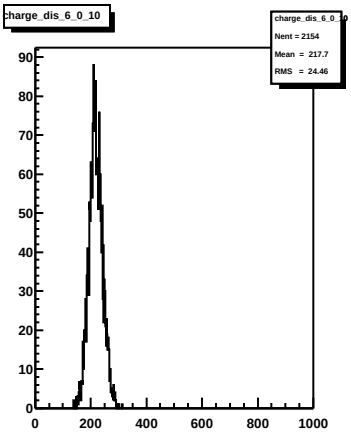

charge_dis_6_0_5
charge_dis_6_0_
Nent = 2154
Mean = 352.8
RMS = 20.55

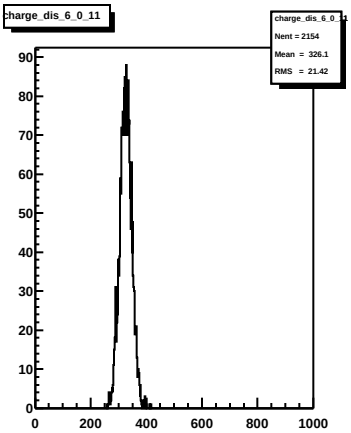

charge_dis_6_0_6
charge_dis_6_0_
Nent = 2154
Mean = 538.3
RMS = 28.35

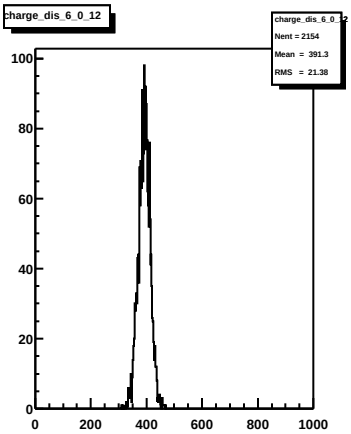

charge_dis_6_0_7
charge_dis_6_0_
Nent = 2154
Mean = 496.5
RMS = 27.27

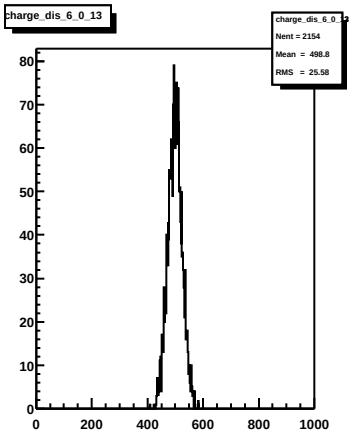

charge_dis_6_0_8
charge_dis_6_0_
Nent = 2154
Mean = 346.6
RMS = 27.35

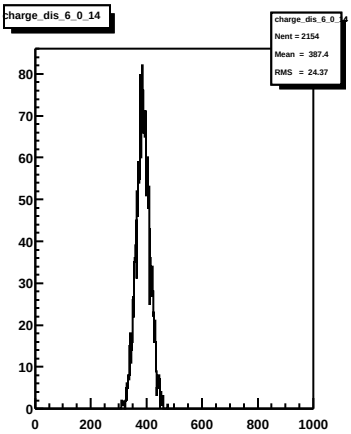

charge_dis_6_0_9
charge_dis_6_0_
Nent = 2154
Mean = 473.2
RMS = 31.04

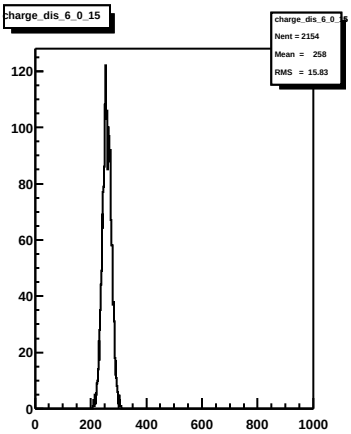

charge_dis_6_0_10
Nent = 2154
Mean = 217.7
RMS = 24.46

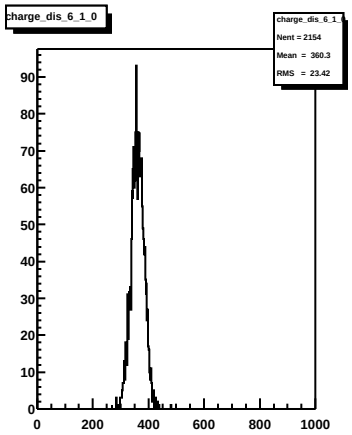

charge_dis_6_0_11
Nent = 2154
Mean = 326.1
RMS = 21.42

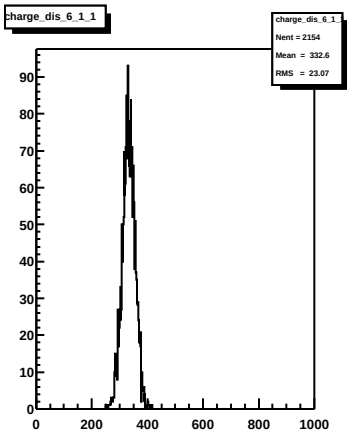

charge_dis_6_0_12
Nent = 2154
Mean = 391.3
RMS = 21.38

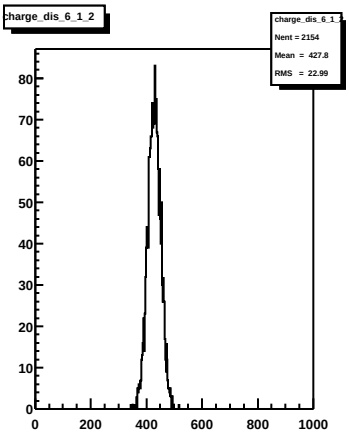

charge_dis_6_0_13
Nent = 2154
Mean = 498.8
RMS = 25.58

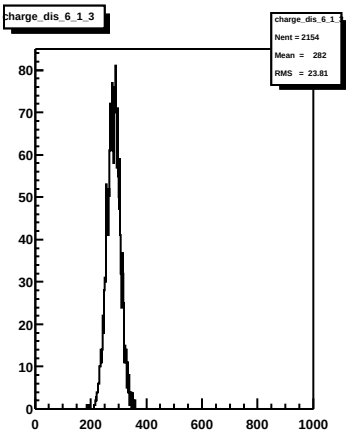

charge_dis_6_0_14
Nent = 2154
Mean = 387.4
RMS = 24.37

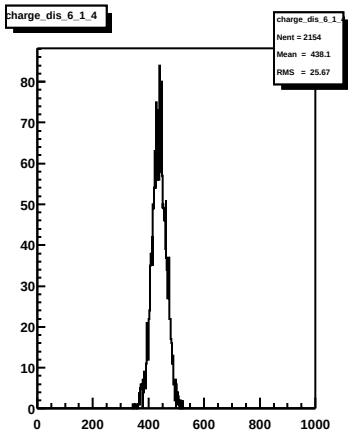

charge_dis_6_0_15
Nent = 2154
Mean = 258
RMS = 15.83

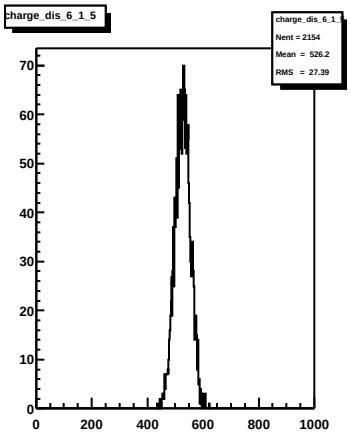

charge_dis_6_1_0
charge_dis_6_1_
Nent = 2154
Mean = 360.3
RMS = 23.42

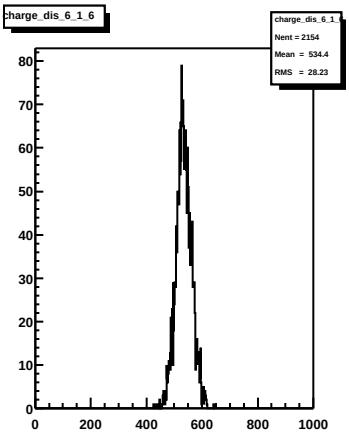

charge_dis_6_1_1
charge_dis_6_1_
Nent = 2154
Mean = 332.6
RMS = 23.07

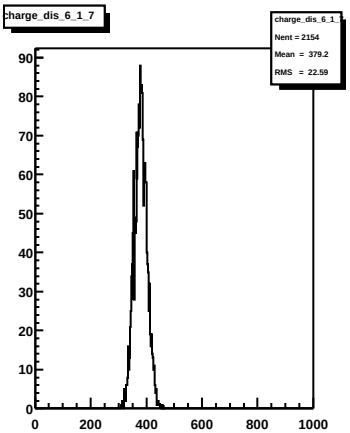

charge_dis_6_1_2
charge_dis_6_1_
Nent = 2154
Mean = 427.8
RMS = 22.99

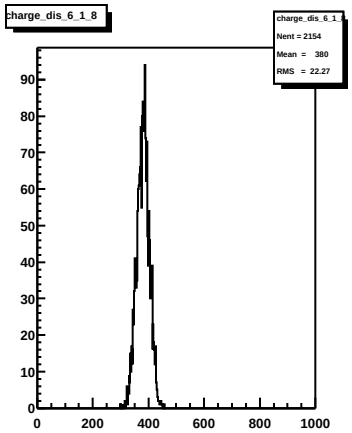

charge_dis_6_1_3
charge_dis_6_1_
Nent = 2154
Mean = 282
RMS = 23.81

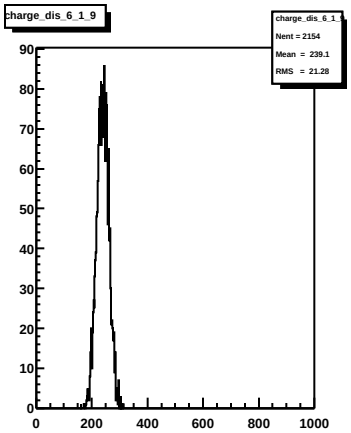

charge_dis_6_1_4
charge_dis_6_1_
Nent = 2154
Mean = 438.1
RMS = 25.67

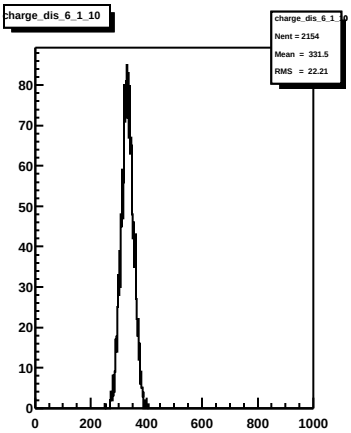

charge_dis_6_1_5
charge_dis_6_1_
Nent = 2154
Mean = 526.2
RMS = 27.39

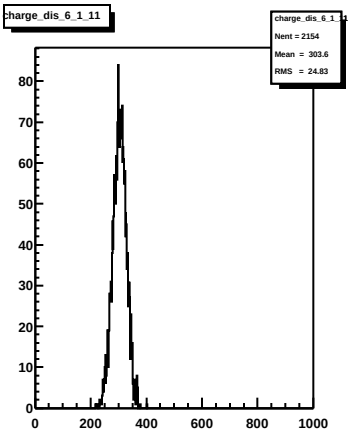

charge_dis_6_1_6
charge_dis_6_1_
Nent = 2154
Mean = 534.4
RMS = 28.23

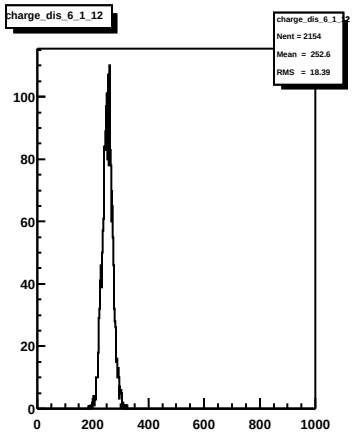

charge_dis_6_1_7
charge_dis_6_1_
Nent = 2154
Mean = 379.2
RMS = 22.59

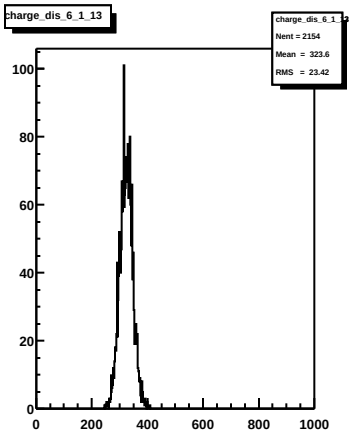

charge_dis_6_1_8
charge_dis_6_1_
Nent = 2154
Mean = 380
RMS = 22.27

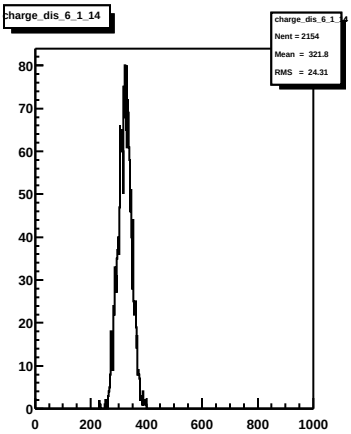

charge_dis_6_1_9
charge_dis_6_1_
Nent = 2154
Mean = 239.1
RMS = 21.28

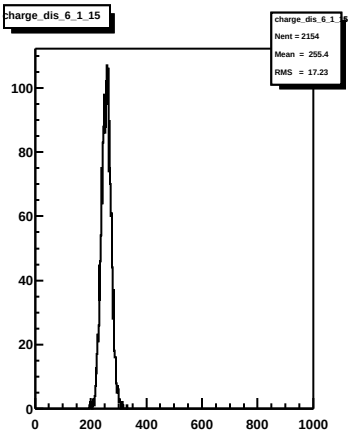

charge_dis_6_1_10
Nent = 2154
Mean = 331.5
RMS = 22.21

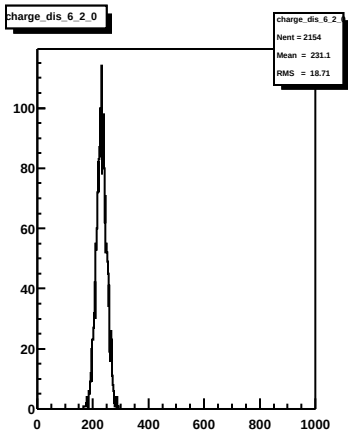

charge_dis_6_1_11
Nent = 2154
Mean = 303.6
RMS = 24.83

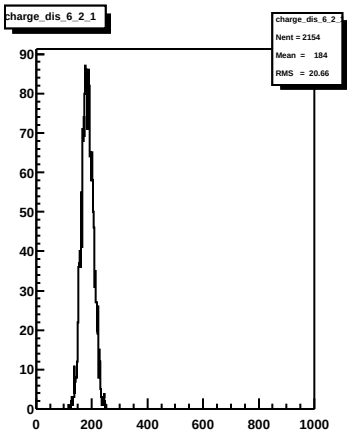

charge_dis_6_1_12
Nent = 2154
Mean = 252.6
RMS = 18.39

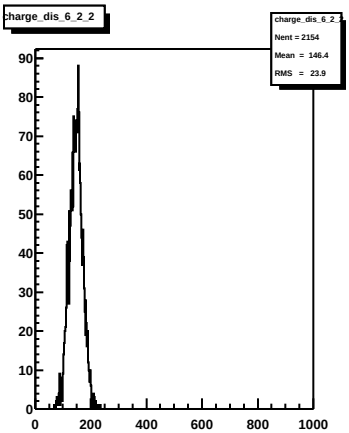

charge_dis_6_1_13
Nent = 2154
Mean = 323.6
RMS = 23.42

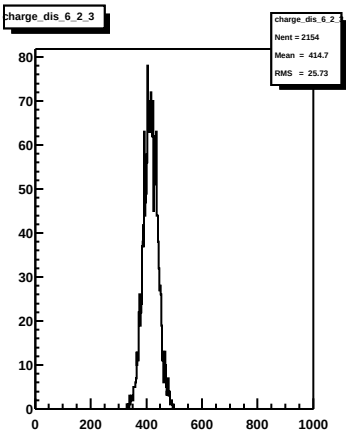

charge_dis_6_1_14
Nent = 2154
Mean = 321.8
RMS = 24.31

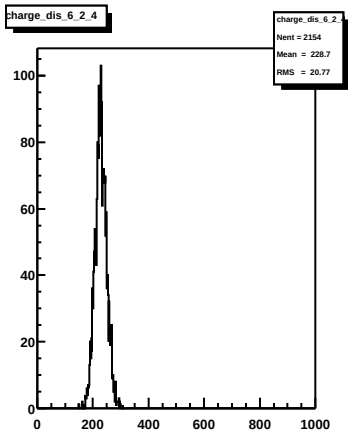

charge_dis_6_1_15
Nent = 2154
Mean = 255.4
RMS = 17.23

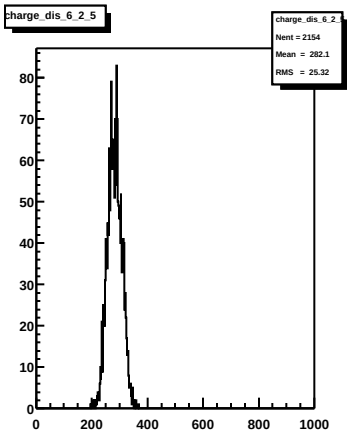

charge_dis_6_2_0
charge_dis_6_2_
Nent = 2154
Mean = 231.1
RMS = 18.71

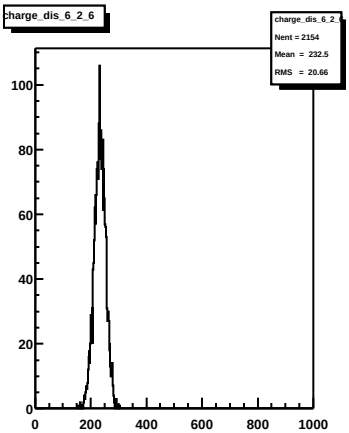

charge_dis_6_2_1
charge_dis_6_2_
Nent = 2154
Mean = 184
RMS = 20.66

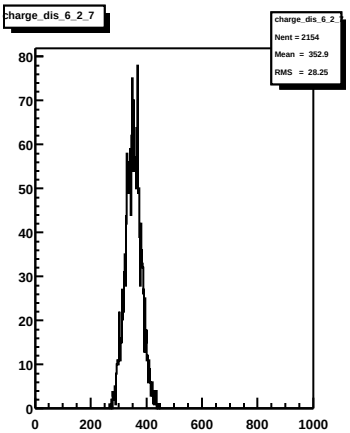

charge_dis_6_2_2
charge_dis_6_2_
Nent = 2154
Mean = 146.4
RMS = 23.9


charge_dis_6_2_3
charge_dis_6_2_
Nent = 2154
Mean = 414.7
RMS = 25.73


charge_dis_6_2_4
charge_dis_6_2_
Nent = 2154
Mean = 228.7
RMS = 20.77


charge_dis_6_2_5
charge_dis_6_2_
Nent = 2154
Mean = 282.1
RMS = 25.32


charge_dis_6_2_6
charge_dis_6_2_
Nent = 2154
Mean = 232.5
RMS = 20.66


charge_dis_6_2_7
charge_dis_6_2_
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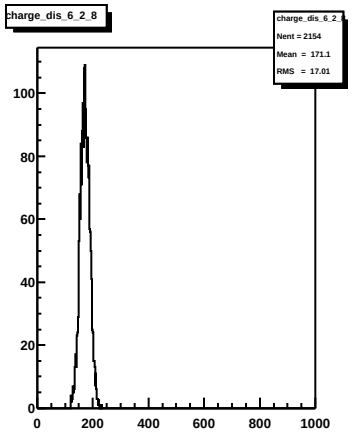
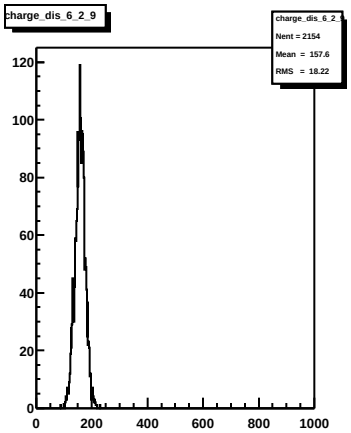
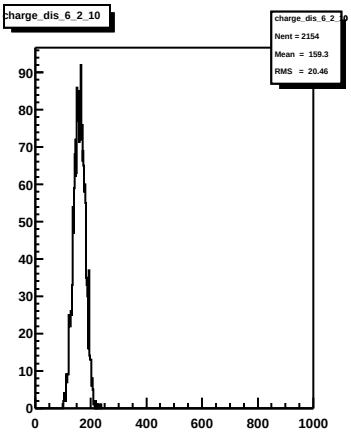
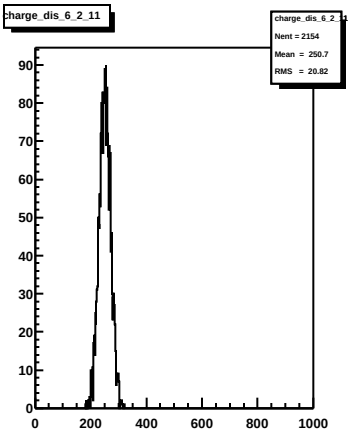
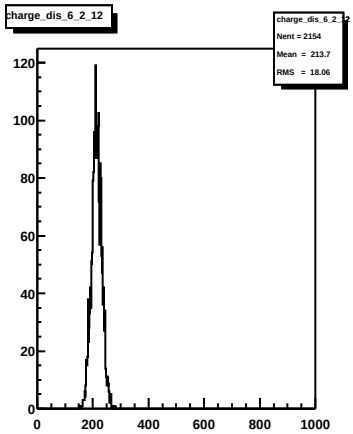
RMS = 28.25

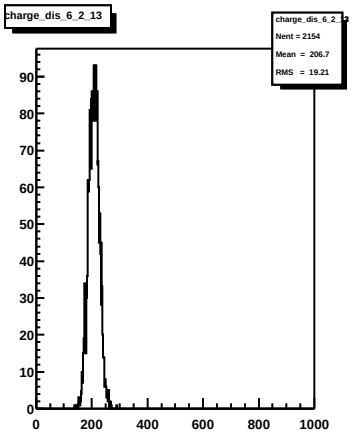

charge_dis_6_2_8
charge_dis_6_2_
Nent = 2154
Mean = 171.1
RMS = 17.01


charge_dis_6_2_9
charge_dis_6_2_
Nent = 2154
Mean = 157.6
RMS = 18.22


charge_dis_6_2_10
Nent = 2154
Mean = 159.3
RMS = 20.46


charge_dis_6_2_11
Nent = 2154
Mean = 250.7
RMS = 20.82


charge_dis_6_2_12
Nent = 2154
Mean = 213.7
RMS = 18.06


charge_dis_6_2_13
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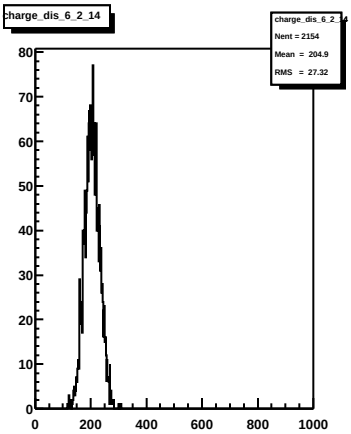
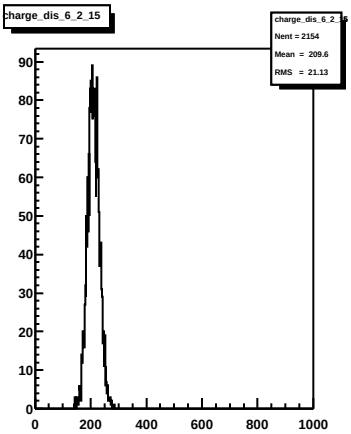
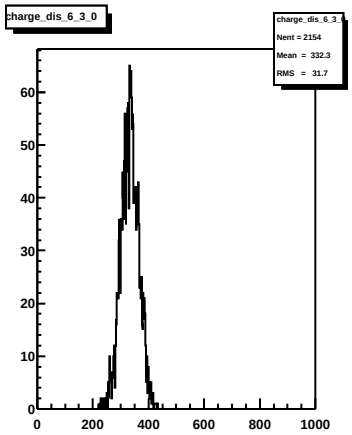
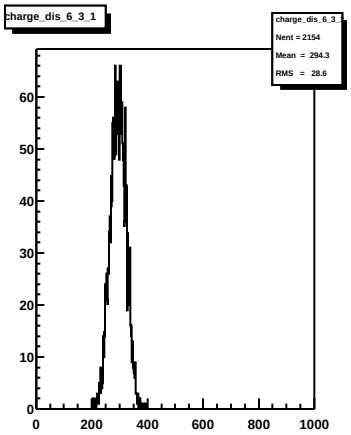
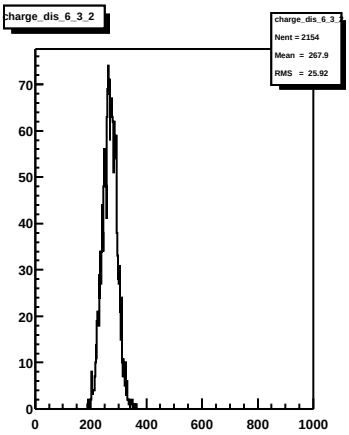
Mean = 206.7
RMS = 19.21

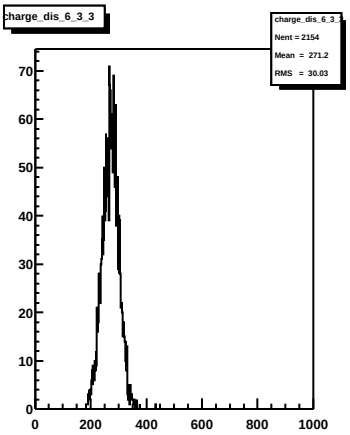

charge_dis_6_2_14
Nent = 2154
Mean = 204.9
RMS = 27.32

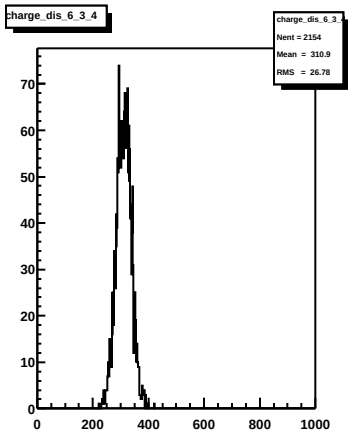

charge_dis_6_2_15
Nent = 2154
Mean = 209.6
RMS = 21.13

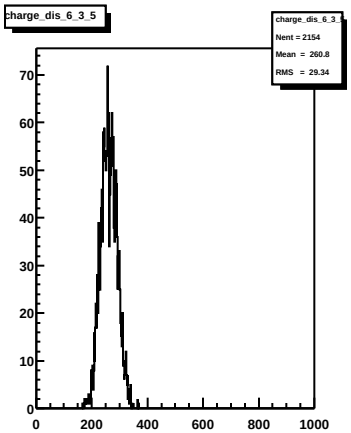

charge_dis_6_3_0
charge_dis_6_3_
Nent = 2154
Mean = 332.3
RMS = 31.7

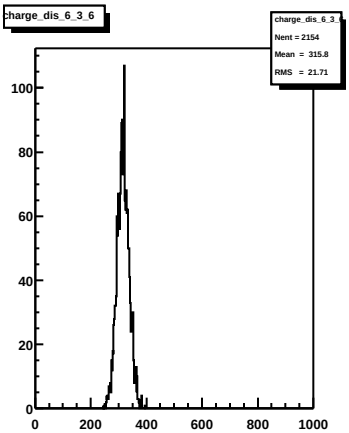

charge_dis_6_3_1
charge_dis_6_3_
Nent = 2154
Mean = 294.3
RMS = 28.6

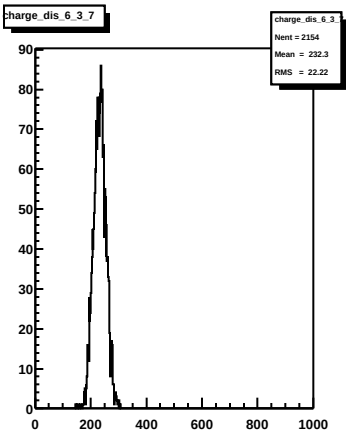

charge_dis_6_3_2
charge_dis_6_3_
Nent = 2154
Mean = 267.9
RMS = 25.92

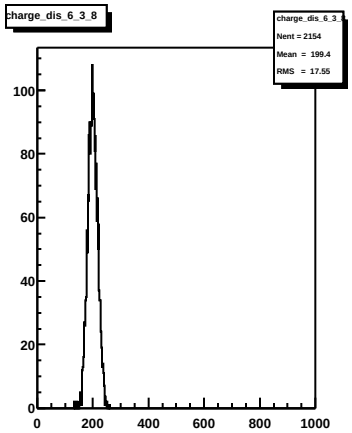

charge_dis_6_3_3
charge_dis_6_3_
Nent = 2154
Mean = 271.2
RMS = 30.03

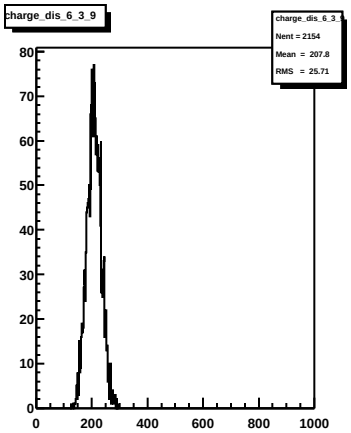

charge_dis_6_3_4
charge_dis_6_3_
Nent = 2154
Mean = 310.9
RMS = 26.78

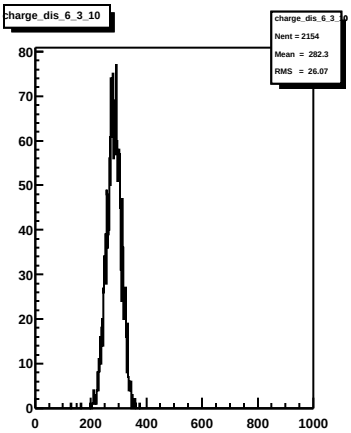

charge_dis_6_3_5
charge_dis_6_3_
Nent = 2154
Mean = 260.8
RMS = 29.34

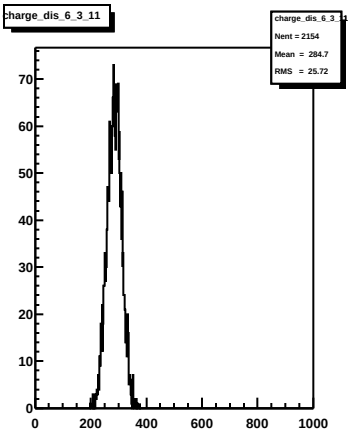

charge_dis_6_3_6
charge_dis_6_3_
Nent = 2154
Mean = 315.8
RMS = 21.71

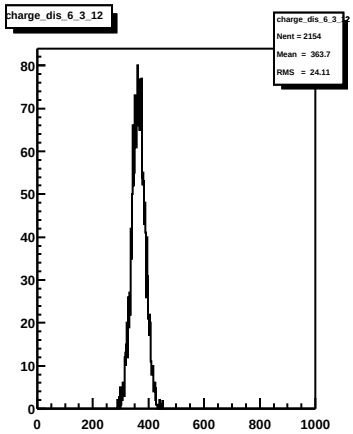

charge_dis_6_3_7
charge_dis_6_3_
Nent = 2154
Mean = 232.3
RMS = 22.22

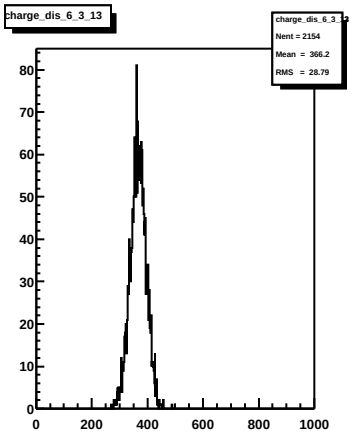

charge_dis_6_3_8
charge_dis_6_3_
Nent = 2154
Mean = 199.4
RMS = 17.55

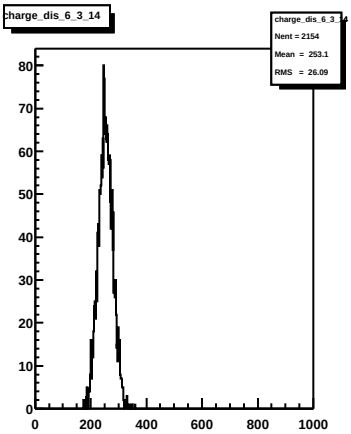

charge_dis_6_3_9
charge_dis_6_3_
Nent = 2154
Mean = 207.8
RMS = 25.71

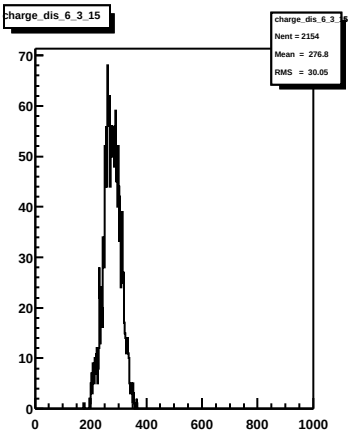

charge_dis_6_3_10
Nent = 2154
Mean = 282.3
RMS = 26.07

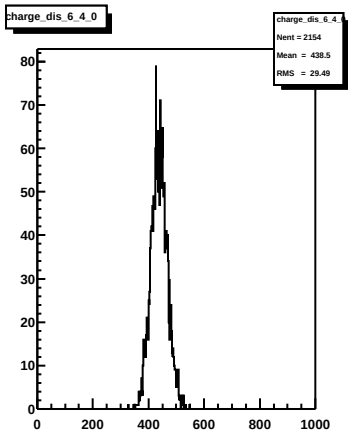

charge_dis_6_3_11
Nent = 2154
Mean = 284.7
RMS = 25.72

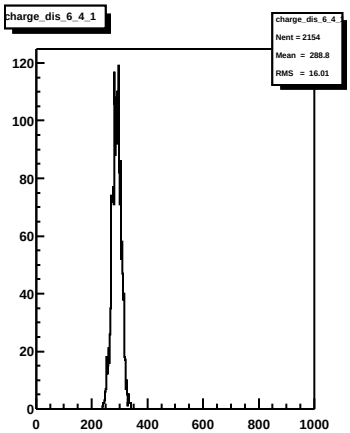

charge_dis_6_3_12
Nent = 2154
Mean = 363.7
RMS = 24.11


charge_dis_6_3_13
Nent = 2154
Mean = 366.2
RMS = 28.79


charge_dis_6_3_14
Nent = 2154
Mean = 253.1
RMS = 26.09


charge_dis_6_3_15
Nent = 2154
Mean = 276.8
RMS = 30.05


charge_dis_6_4_0
charge_dis_6_4_
Nent = 2154
Mean = 438.5
RMS = 29.49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charge_dis_6_4_
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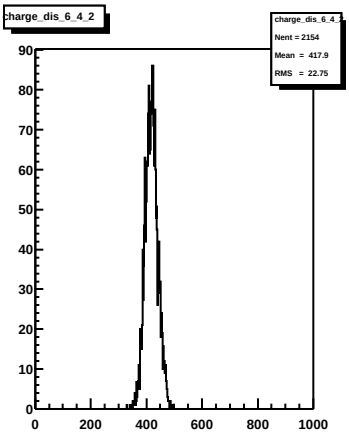
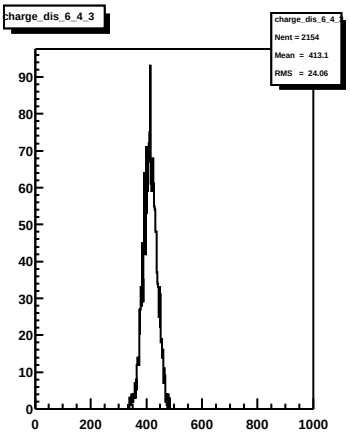
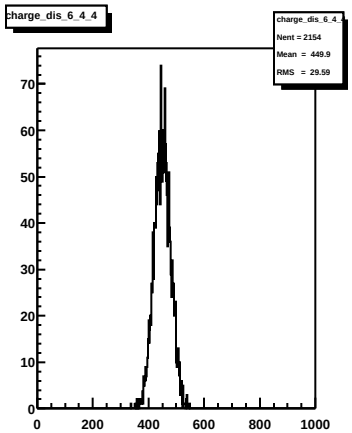
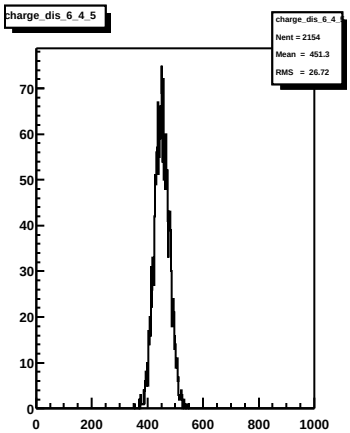
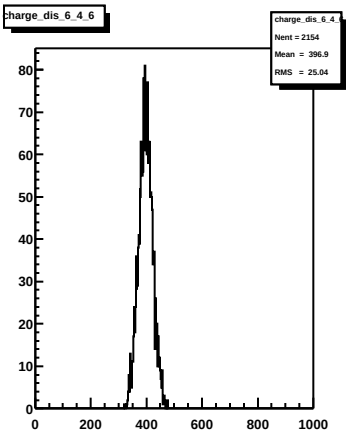
Mean = 288.8
RMS = 16.01

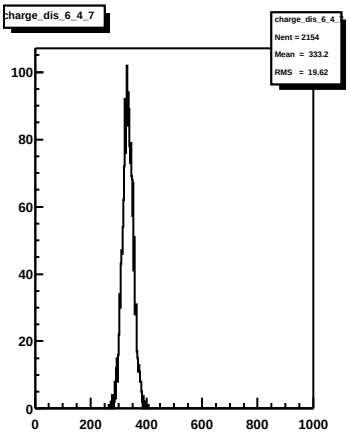

charge_dis_6_4_2
charge_dis_6_4_
Nent = 2154
Mean = 417.9
RMS = 22.75

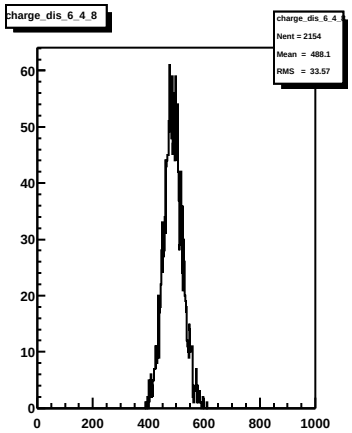

charge_dis_6_4_3
charge_dis_6_4_
Nent = 2154
Mean = 413.1
RMS = 24.06

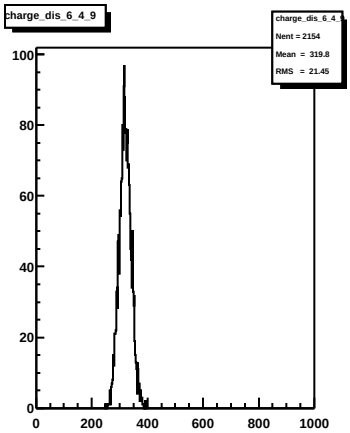

charge_dis_6_4_4
charge_dis_6_4_
Nent = 2154
Mean = 449.9
RMS = 29.59

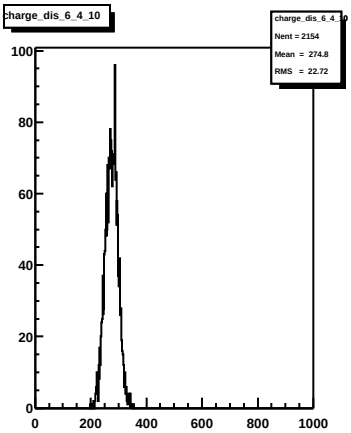

charge_dis_6_4_5
charge_dis_6_4_
Nent = 2154
Mean = 451.3
RMS = 26.72

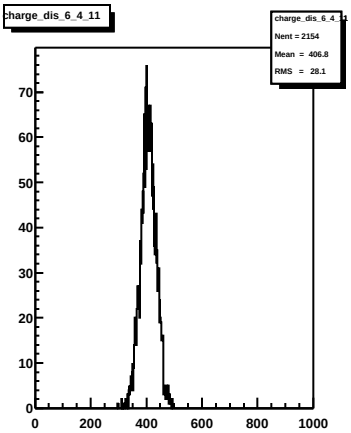

charge_dis_6_4_6
charge_dis_6_4_
Nent = 2154
Mean = 396.9
RMS = 25.04

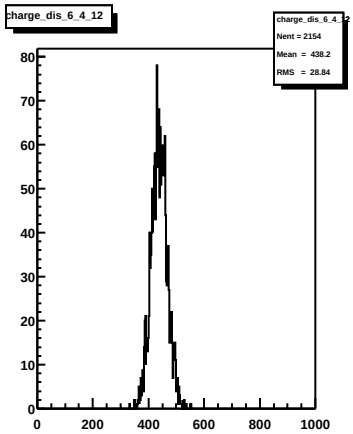

charge_dis_6_4_7
charge_dis_6_4_
Nent = 2154
Mean = 333.2
RMS = 19.62

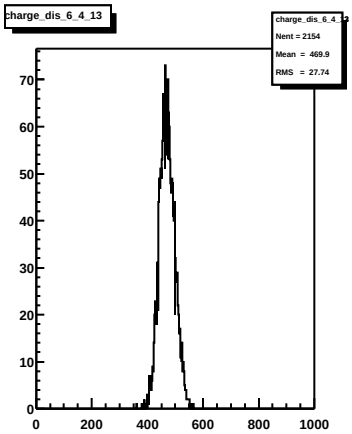

charge_dis_6_4_8
charge_dis_6_4_
Nent = 2154
Mean = 488.1
RMS = 33.57

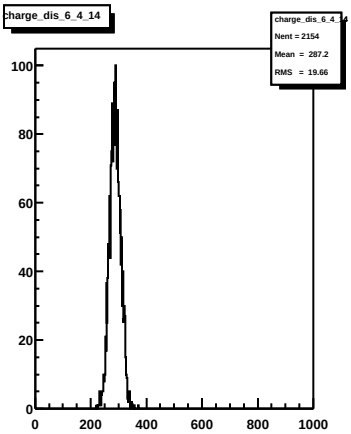

charge_dis_6_4_9
charge_dis_6_4_
Nent = 2154
Mean = 319.8
RMS = 21.45

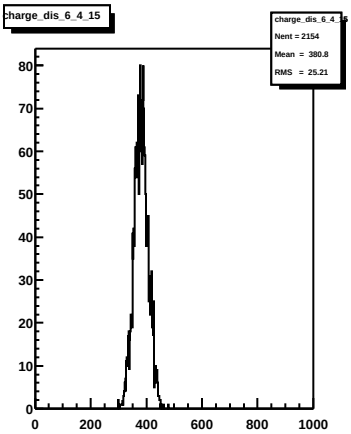

charge_dis_6_4_10
Nent = 2154
Mean = 274.8
RMS = 22.72

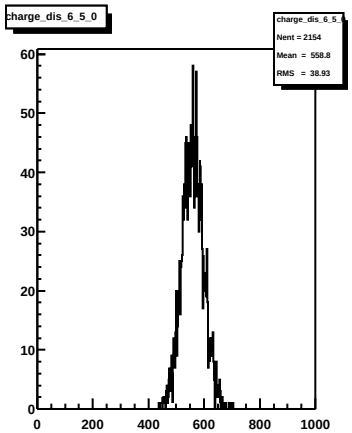

charge_dis_6_4_11
charge_dis_6_4_
Nent = 2154
Mean = 406.8
RMS = 28.1

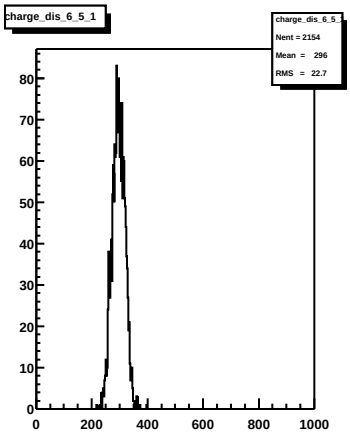

charge_dis_6_4_12
Nent = 2154
Mean = 438.2
RMS = 28.84

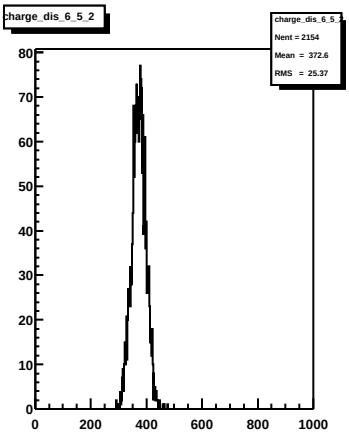

charge_dis_6_4_13
charge_dis_6_4_
Nent = 2154
Mean = 469.9
RMS = 27.74

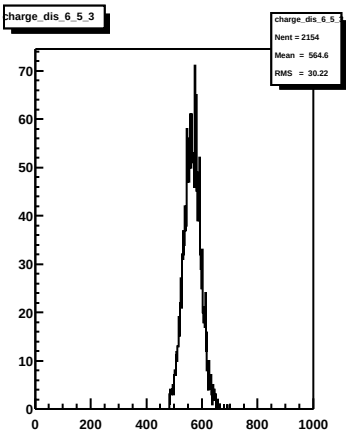

charge_dis_6_4_14
Nent = 2154
Mean = 287.2
RMS = 19.66

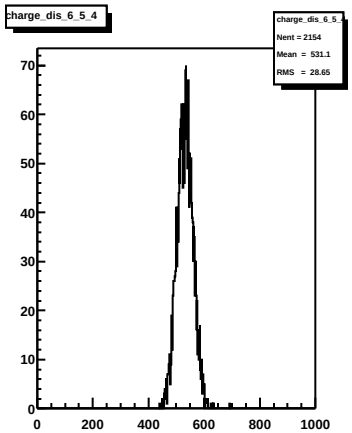

charge_dis_6_4_15
Nent = 2154
Mean = 380.8
RMS = 25.21

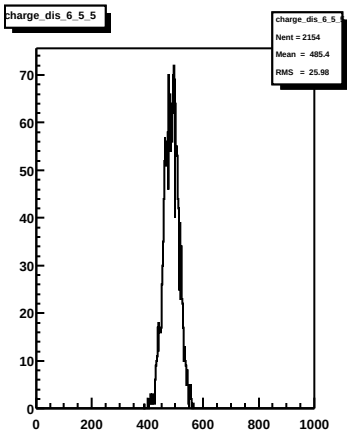

charge_dis_6_5_0
charge_dis_6_5_
Nent = 2154
Mean = 558.8
RMS = 38.93

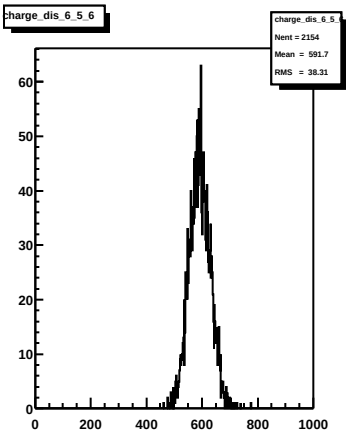

charge_dis_6_5_1
charge_dis_6_5_
Nent = 2154
Mean = 296
RMS = 22.7


charge_dis_6_5_2
charge_dis_6_5_
Nent = 2154
Mean = 372.6
RMS = 25.37


charge_dis_6_5_3
charge_dis_6_5_
Nent = 2154
Mean = 564.6
RMS = 30.22


charge_dis_6_5_4
charge_dis_6_5_
Nent = 2154
Mean = 531.1
RMS = 28.65


charge_dis_6_5_5
charge_dis_6_5_
Nent = 2154
Mean = 485.4
RMS = 25.98


charge_dis_6_5_6
charge_dis_6_5_
Nent = 2154
Mean = 591.7
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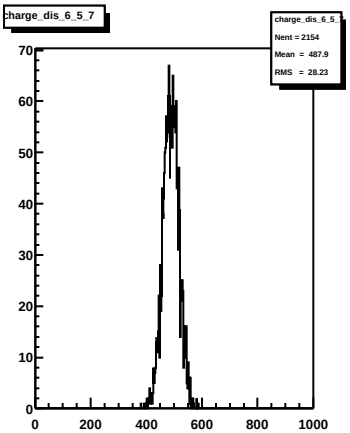
charge_dis_6_5_7
charge_dis_6_5_
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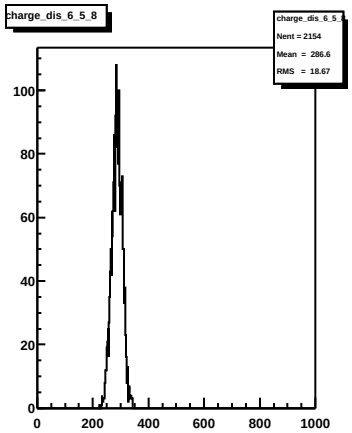
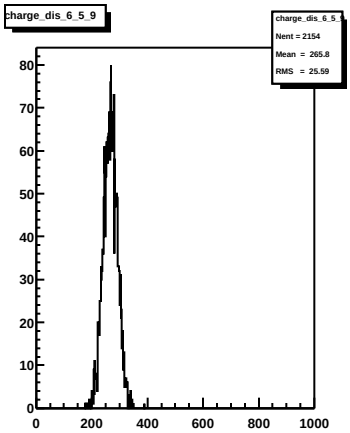
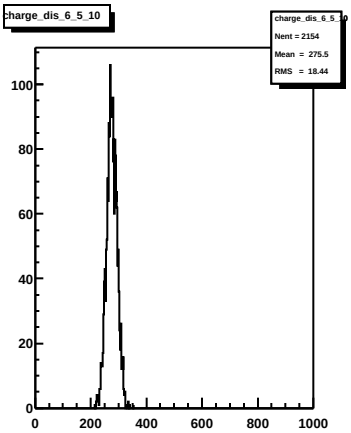
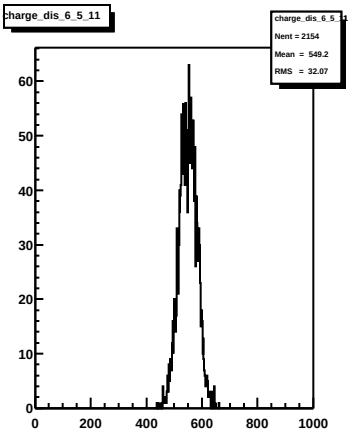
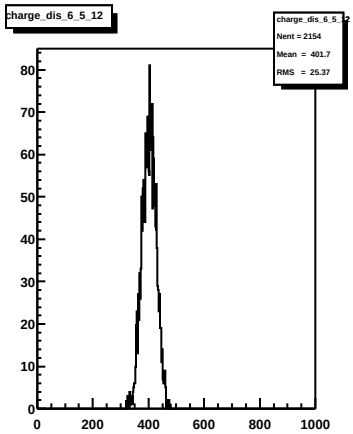
RMS = 28.23

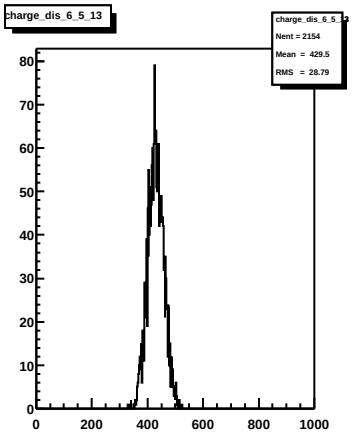

charge_dis_6_5_8
charge_dis_6_5_
Nent = 2154
Mean = 286.6
RMS = 18.67

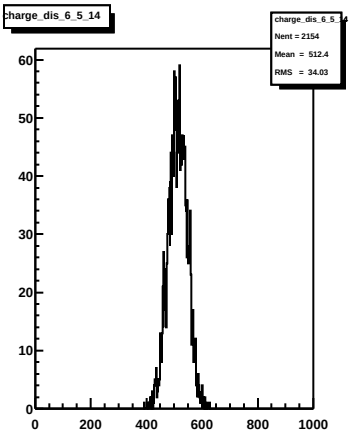

charge_dis_6_5_9
charge_dis_6_5_
Nent = 2154
Mean = 265.8
RMS = 25.59


charge_dis_6_5_10
charge_dis_6_5_
Nent = 2154
Mean = 275.5
RMS = 18.44


charge_dis_6_5_11
charge_dis_6_5_
Nent = 2154
Mean = 549.2
RMS = 32.07


charge_dis_6_5_12
charge_dis_6_5_
Nent = 2154
Mean = 401.7
RMS = 25.37


charge_dis_6_5_13
charge_dis_6_5_
Nent = 2154
Mean = 429.5
RMS = 28.79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charge_dis_6_5_
Nent = 2154
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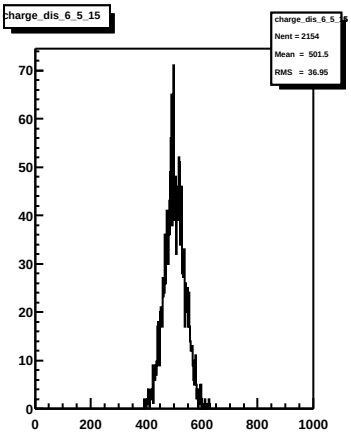
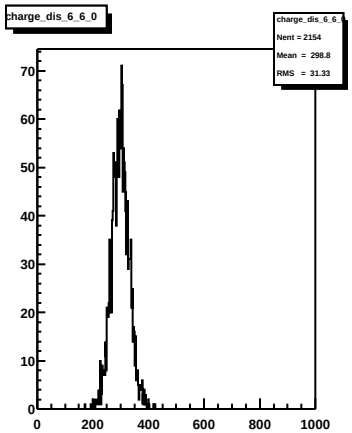
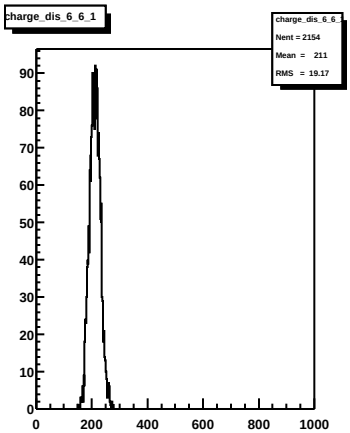
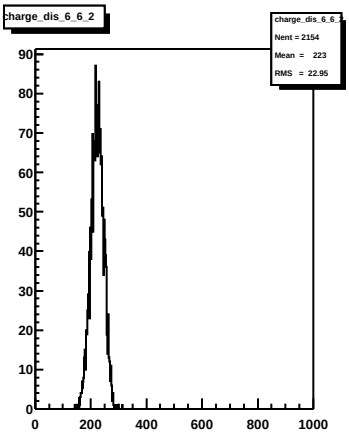
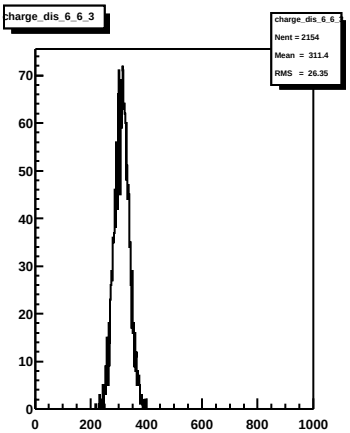
RMS = 34.03


charge_dis_6_5_15
charge_dis_6_5_
Nent = 2154
Mean = 501.5
RMS = 36.95


charge_dis_6_6_0
charge_dis_6_6_
Nent = 2154
Mean = 298.8
RMS = 31.33


charge_dis_6_6_1
charge_dis_6_6_
Nent = 2154
Mean = 211
RMS = 19.17


charge_dis_6_6_2
charge_dis_6_6_
Nent = 2154
Mean = 223
RMS = 22.95


charge_dis_6_6_3
charge_dis_6_6_
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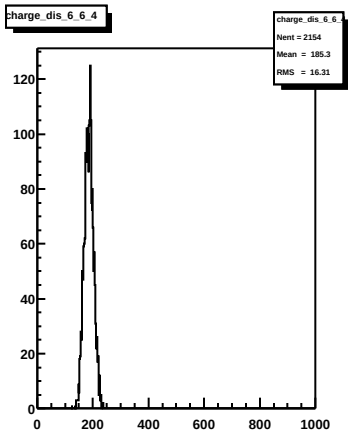
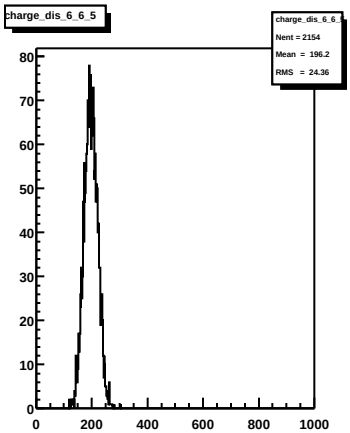
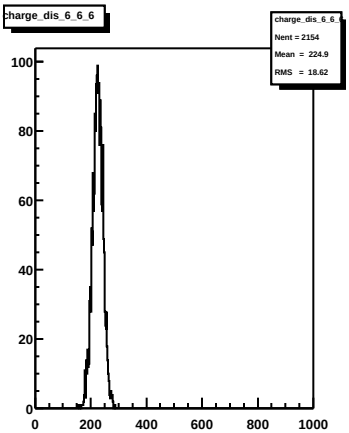
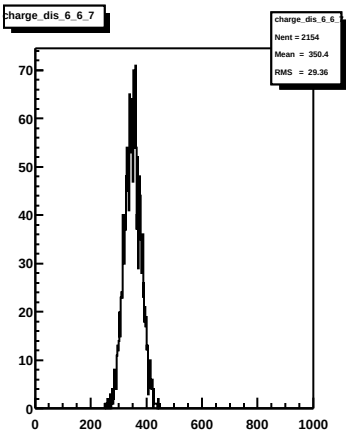
Mean = 311.4
RMS = 26.35


charge_dis_6_6_4
charge_dis_6_6_
Nent = 2154
Mean = 185.3
RMS = 16.31


charge_dis_6_6_5
charge_dis_6_6_
Nent = 2154
Mean = 196.2
RMS = 24.36


charge_dis_6_6_6
charge_dis_6_6_
Nent = 2154
Mean = 224.9
RMS = 18.62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charge_dis_6_6_
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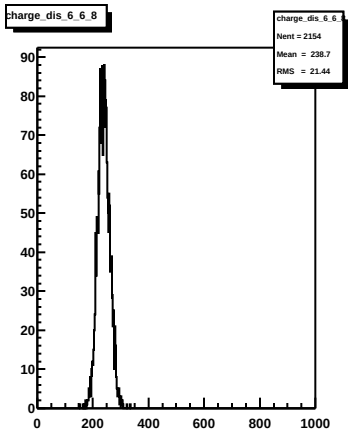
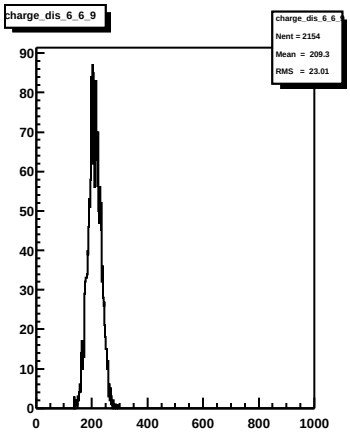
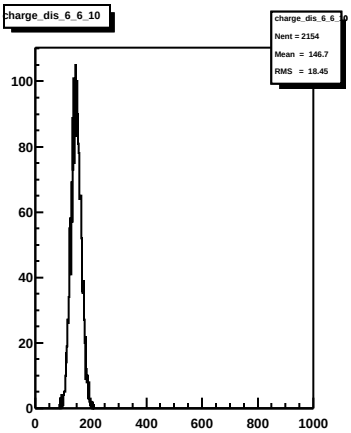
Mean = 350.4
RMS = 29.36


charge_dis_6_6_8
charge_dis_6_6_
Nent = 2154
Mean = 238.7
RMS = 21.44


charge_dis_6_6_9
charge_dis_6_6_
Nent = 2154
Mean = 209.3
RMS = 23.01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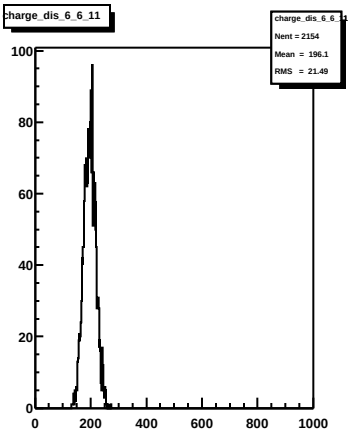
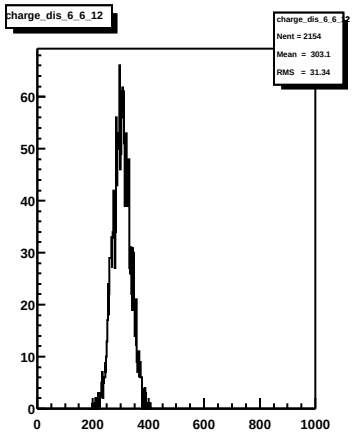
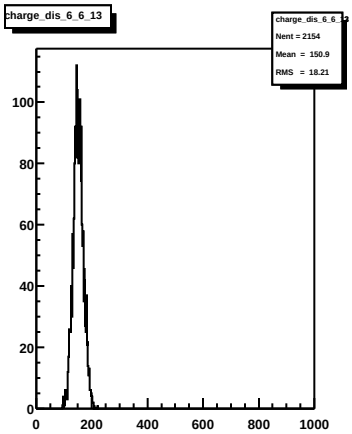
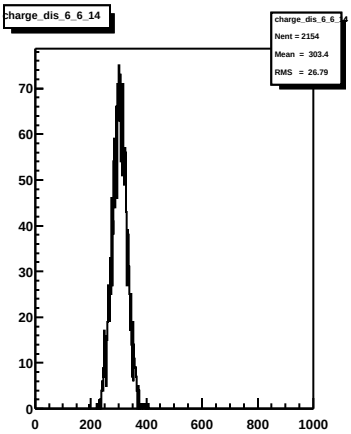
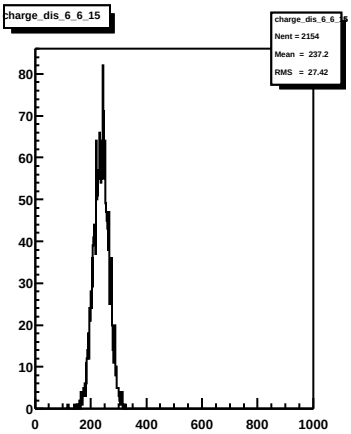
Mean = 146.7
RMS = 18.45

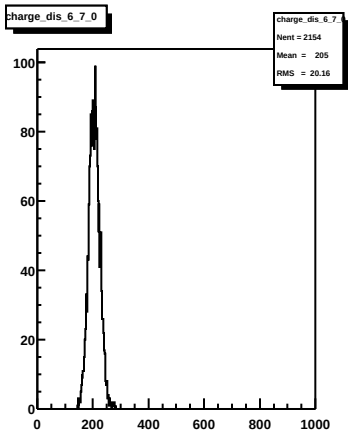

charge_dis_6_6_11
Nent = 2154
Mean = 196.1
RMS = 21.49

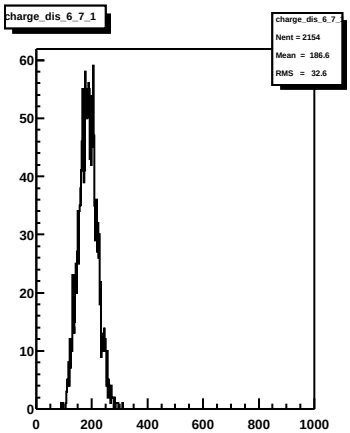

charge_dis_6_6_12
Nent = 2154
Mean = 303.1
RMS = 31.34


charge_dis_6_6_13
Nent = 2154
Mean = 150.9
RMS = 18.21


charge_dis_6_6_14
Nent = 2154
Mean = 303.4
RMS = 26.79


charge_dis_6_6_15
Nent = 2154
Mean = 237.2
RMS = 27.42


charge_dis_6_7_0
charge_dis_6_7_
Nent = 2154
Mean = 205
RMS = 20.16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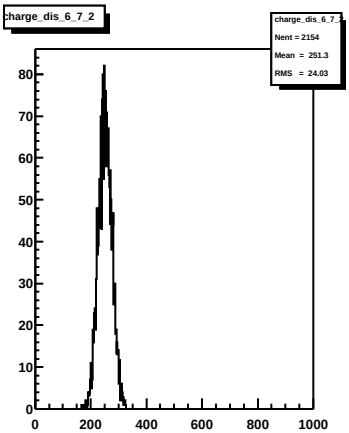
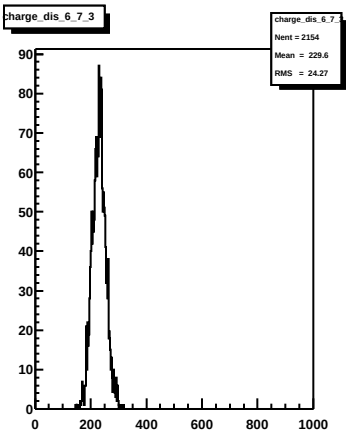
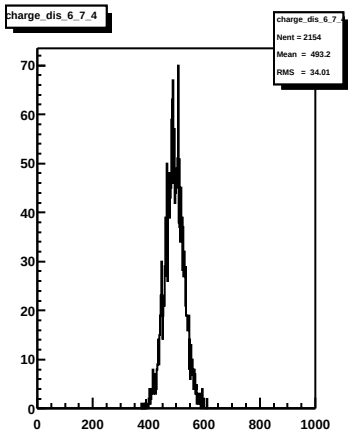
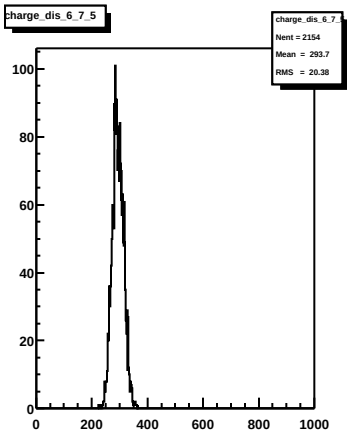
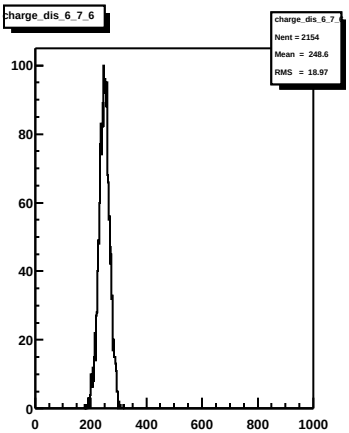
charge_dis_6_7_
Nent = 2154
Mean = 186.6
RMS = 32.6

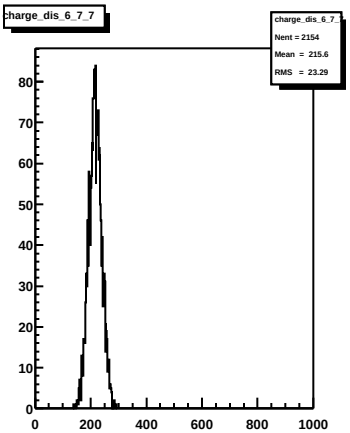

charge_dis_6_7_2
charge_dis_6_7_
Nent = 2154
Mean = 251.3
RMS = 24.03

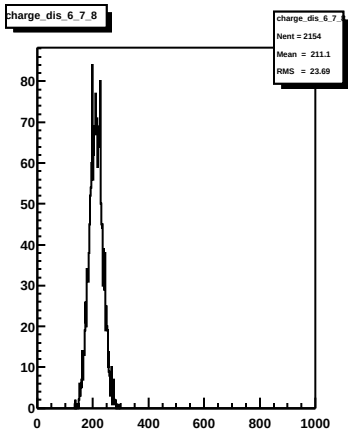

charge_dis_6_7_3
charge_dis_6_7_
Nent = 2154
Mean = 229.6
RMS = 24.27

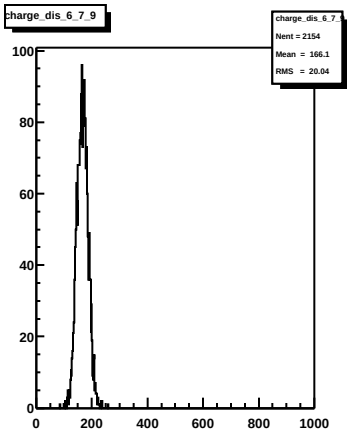

charge_dis_6_7_4
charge_dis_6_7_
Nent = 2154
Mean = 493.2
RMS = 34.01

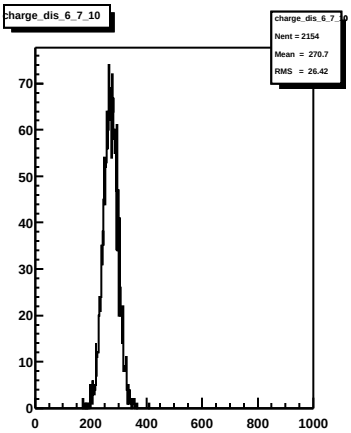

charge_dis_6_7_5
charge_dis_6_7_
Nent = 2154
Mean = 293.7
RMS = 20.38

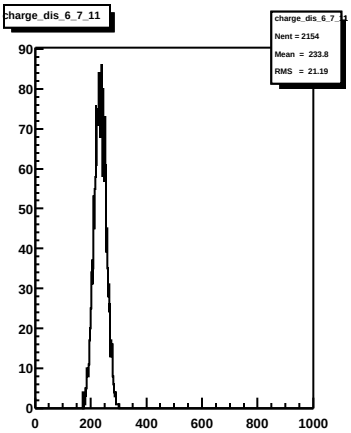

charge_dis_6_7_6
charge_dis_6_7_
Nent = 2154
Mean = 248.6
RMS = 18.97

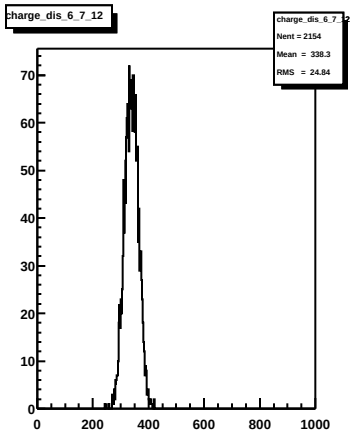

charge_dis_6_7_7
charge_dis_6_7_
Nent = 2154
Mean = 215.6
RMS = 23.29

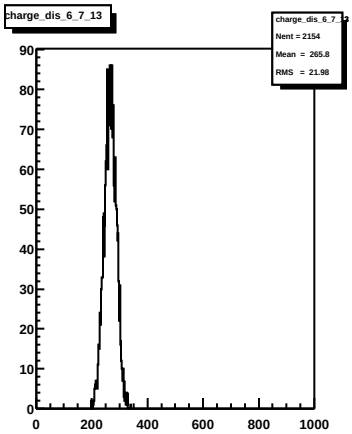

charge_dis_6_7_8
charge_dis_6_7_
Nent = 2154
Mean = 211.1
RMS = 23.69

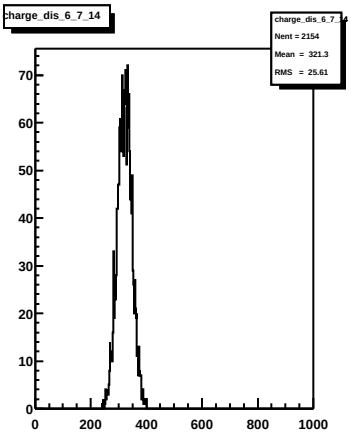

charge_dis_6_7_9
charge_dis_6_7_
Nent = 2154
Mean = 166.1
RMS = 20.04

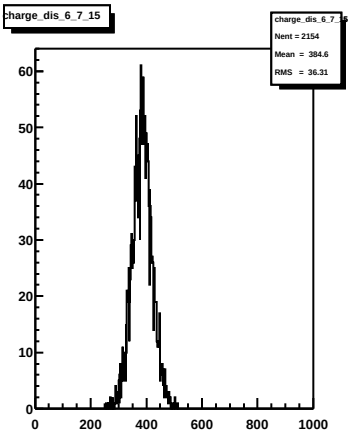

charge_dis_6_7_10
Nent = 2154
Mean = 270.7
RMS = 26.42

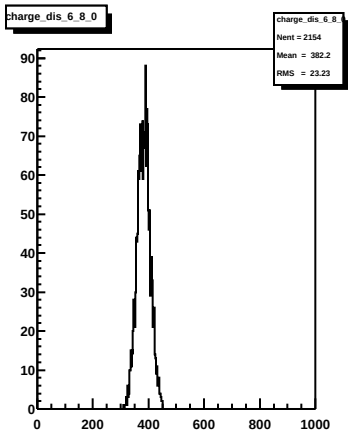

charge_dis_6_7_11
Nent = 2154
Mean = 233.8
RMS = 21.19

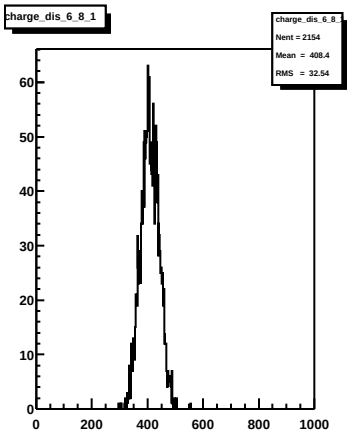

charge_dis_6_7_12
Nent = 2154
Mean = 338.3
RMS = 24.84

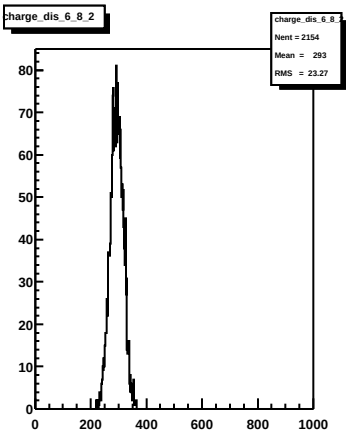

charge_dis_6_7_13
Nent = 2154
Mean = 265.8
RMS = 21.98

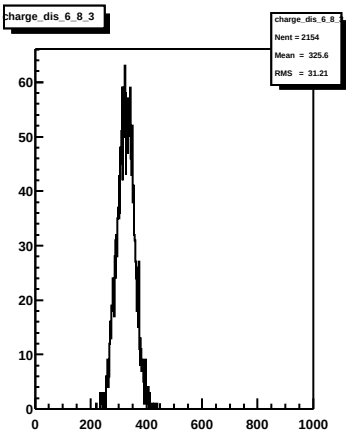

charge_dis_6_7_14
Nent = 2154
Mean = 321.3
RMS = 25.61

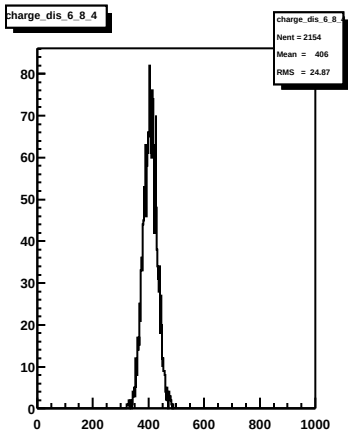

charge_dis_6_7_15
Nent = 2154
Mean = 384.6
RMS = 36.31


charge_dis_6_8_0
charge_dis_6_8_
Nent = 2154
Mean = 382.2
RMS = 23.23


charge_dis_6_8_1
charge_dis_6_8_
Nent = 2154
Mean = 408.4
RMS = 32.54


charge_dis_6_8_2
charge_dis_6_8_
Nent = 2154
Mean = 293
RMS = 23.27


charge_dis_6_8_3
charge_dis_6_8_
Nent = 2154
Mean = 325.6
RMS = 31.21


charge_dis_6_8_4
charge_dis_6_8_
Nent = 2154
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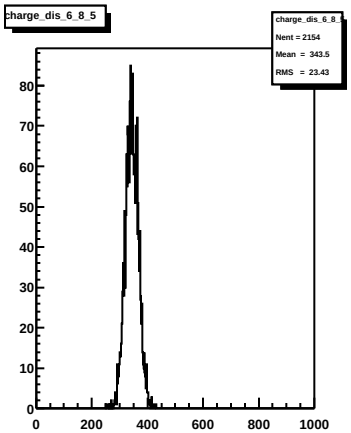
RMS = 24.87


charge_dis_6_8_5
charge_dis_6_8_
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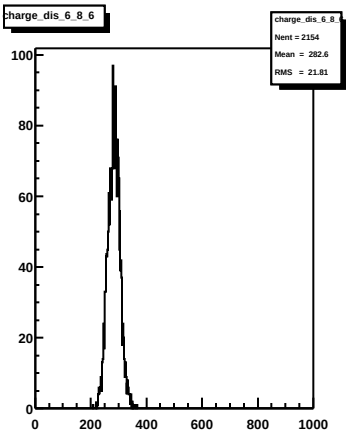
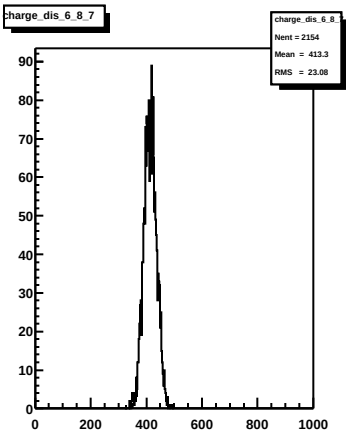
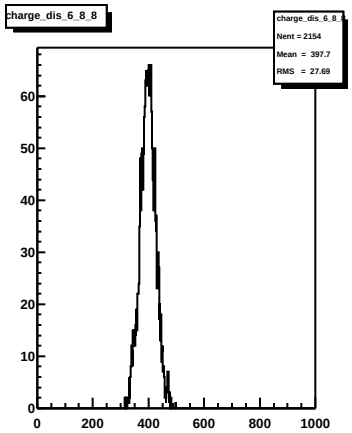
Mean = 343.5
RMS = 23.43


charge_dis_6_8_6
charge_dis_6_8_
Nent = 2154
Mean = 282.6
RMS = 21.81


charge_dis_6_8_7
charge_dis_6_8_
Nent = 2154
Mean = 413.3
RMS = 23.08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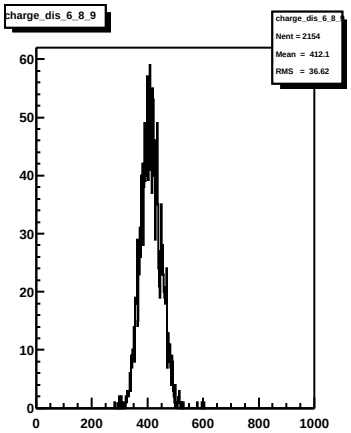
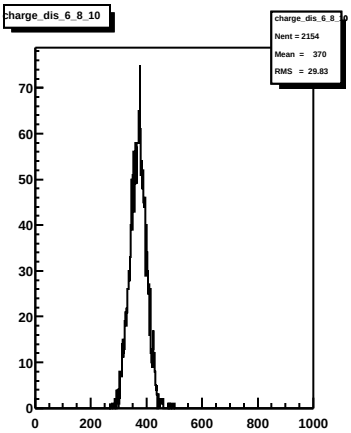
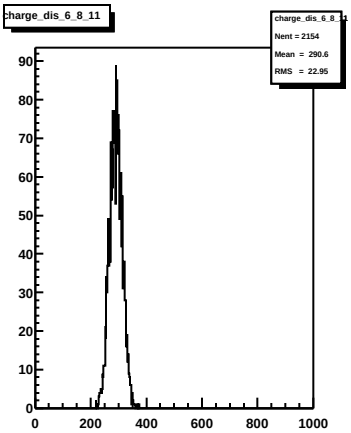
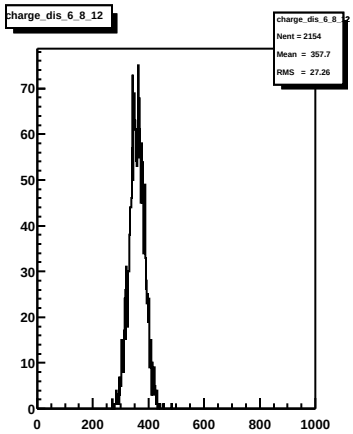
charge_dis_6_8_
Nent = 2154
Mean = 397.7
RMS = 27.69


charge_dis_6_8_9
charge_dis_6_8_
Nent = 2154
Mean = 412.1
RMS = 36.62


charge_dis_6_8_10
charge_dis_6_8_
Nent = 2154
Mean = 370
RMS = 29.83


charge_dis_6_8_11
charge_dis_6_8_
Nent = 2154
Mean = 290.6
RMS = 22.95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charge_dis_6_8_
Nent = 2154
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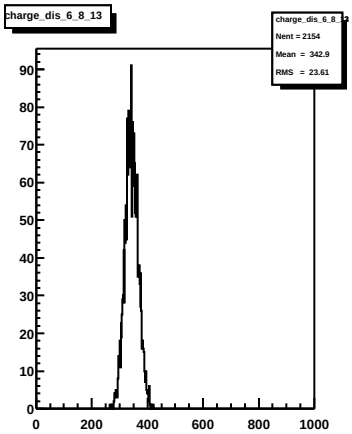
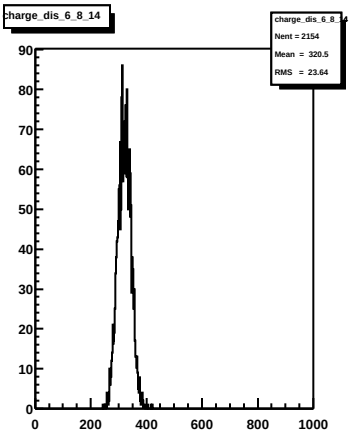
RMS = 27.26


charge_dis_6_8_13
charge_dis_6_8_
Nent = 2154
Mean = 342.9
RMS = 23.61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charge_dis_6_8_
Nent = 2154
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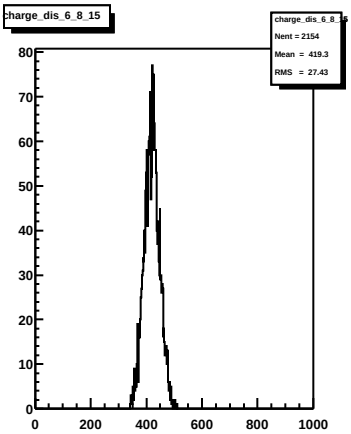
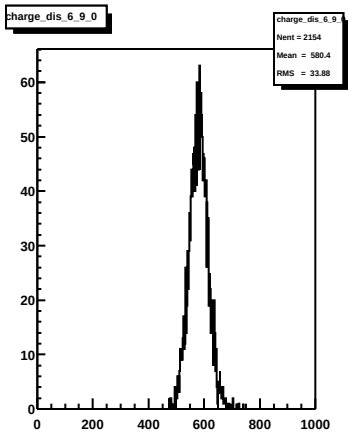
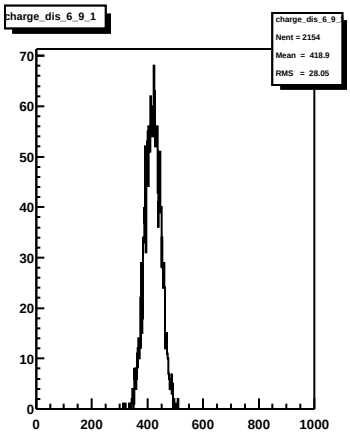
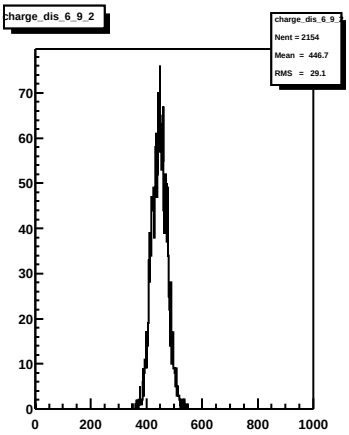
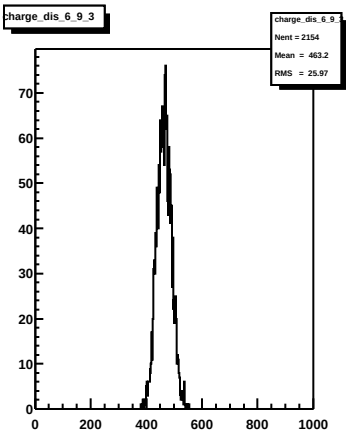
RMS = 23.64

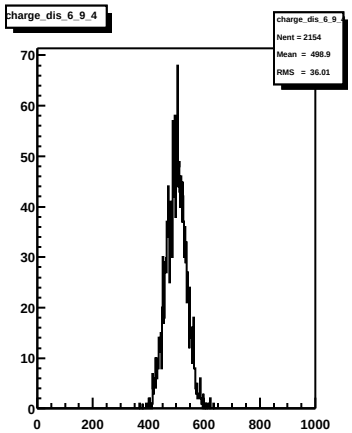

charge_dis_6_8_15
charge_dis_6_8_
Nent = 2154
Mean = 419.3
RMS = 27.43

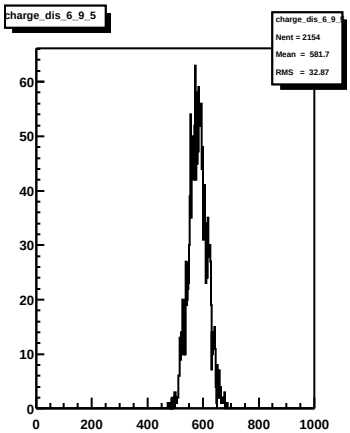

charge_dis_6_9_0
charge_dis_6_9_
Nent = 2154
Mean = 580.4
RMS = 33.88

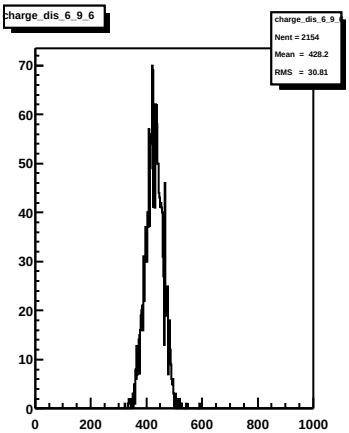

charge_dis_6_9_1
charge_dis_6_9_
Nent = 2154
Mean = 418.9
RMS = 28.05

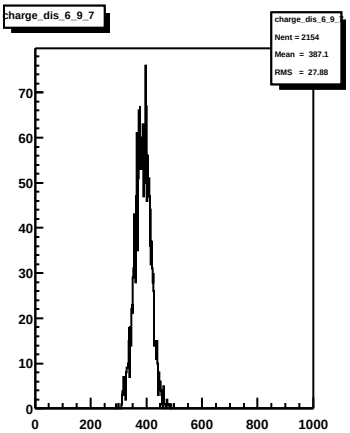

charge_dis_6_9_2
charge_dis_6_9_
Nent = 2154
Mean = 446.7
RMS = 29.1

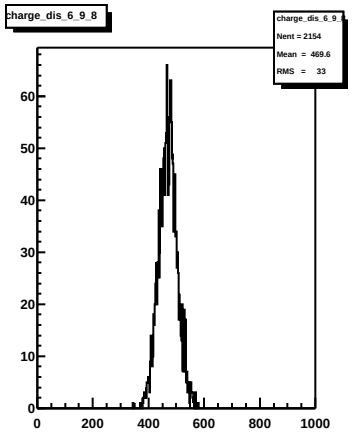

charge_dis_6_9_3
charge_dis_6_9_
Nent = 2154
Mean = 463.2
RMS = 25.97

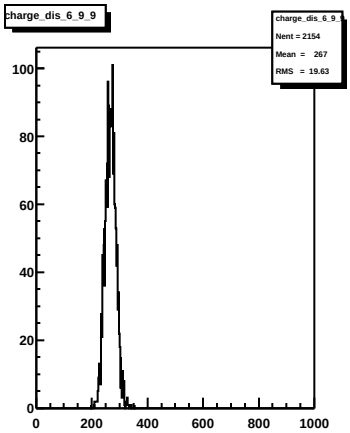

charge_dis_6_9_4
charge_dis_6_9_
Nent = 2154
Mean = 498.9
RMS = 36.01

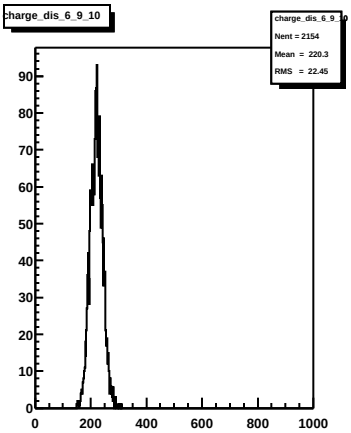

charge_dis_6_9_5
charge_dis_6_9_
Nent = 2154
Mean = 581.7
RMS = 32.87

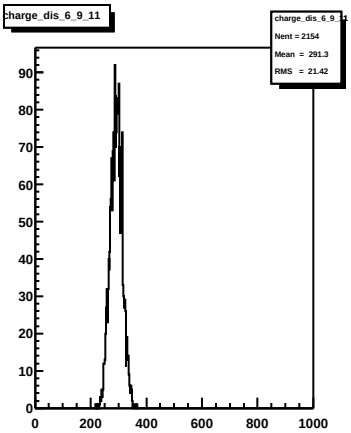

charge_dis_6_9_6
charge_dis_6_9_
Nent = 2154
Mean = 428.2
RMS = 30.81

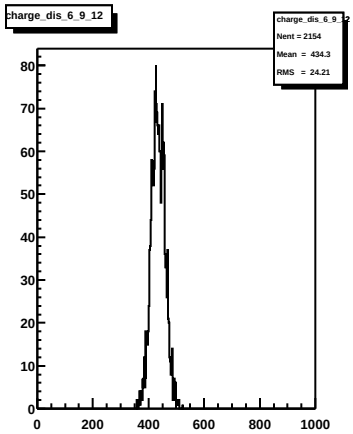

charge_dis_6_9_7
charge_dis_6_9_
Nent = 2154
Mean = 387.1
RMS = 27.88


charge_dis_6_9_8
charge_dis_6_9_
Nent = 2154
Mean = 469.6
RMS = 33


charge_dis_6_9_9
charge_dis_6_9_
Nent = 2154
Mean = 267
RMS = 19.63


charge_dis_6_9_10
Nent = 2154
Mean = 220.3
RMS = 22.45


charge_dis_6_9_11
Nent = 2154
Mean = 291.3
RMS = 21.42


charge_dis_6_9_12
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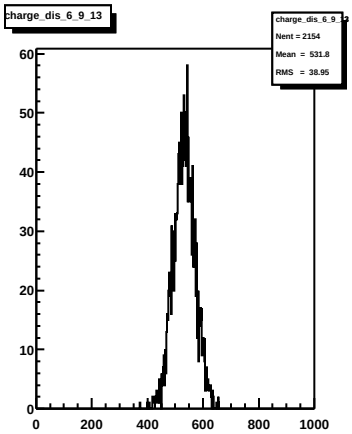
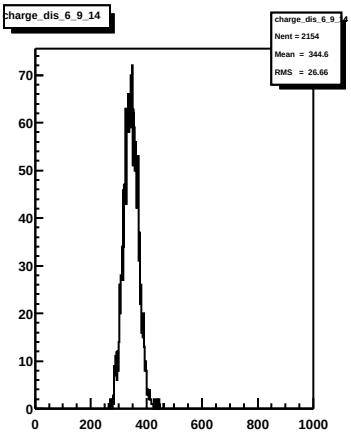
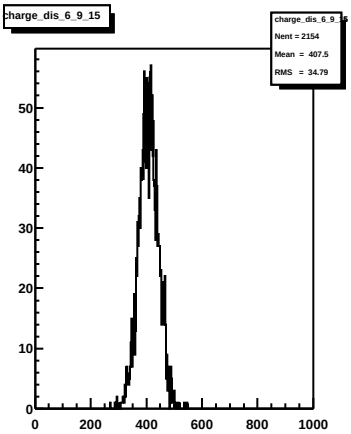
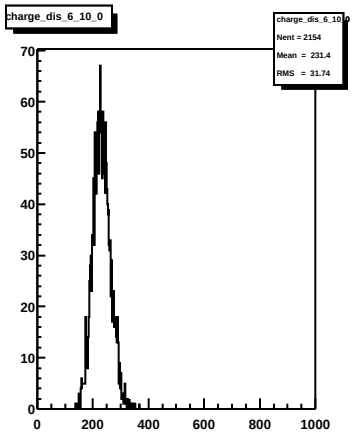
Mean = 434.3
RMS = 24.21


charge_dis_6_9_13
Nent = 2154
Mean = 531.8
RMS = 38.95


charge_dis_6_9_14
Nent = 2154
Mean = 344.6
RMS = 26.66


charge_dis_6_9_15
Nent = 2154
Mean = 407.5
RMS = 34.79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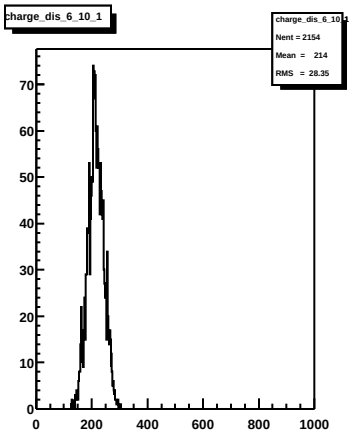
charge_dis_6_10_0
Nent = 2154
Mean = 231.4
RMS = 31.74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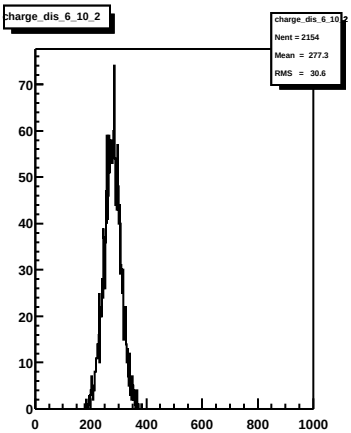
charge_dis_6_10_1
Nent = 2154
Mean = 214
RMS = 28.35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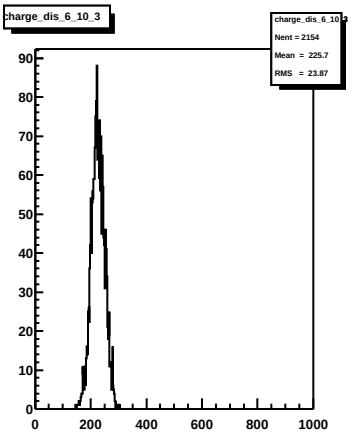
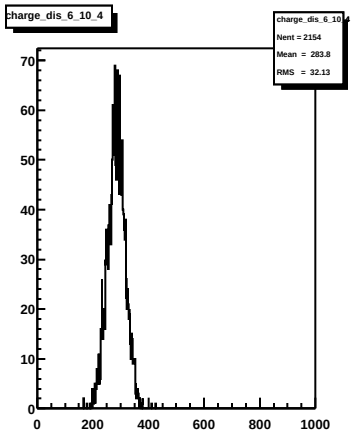
charge_dis_6_10_2
Nent = 2154
Mean = 277.3
RMS = 30.6


charge_dis_6_10_3
charge_dis_6_10_3
Nent = 2154
Mean = 225.7
RMS = 23.87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charge_dis_6_10_4
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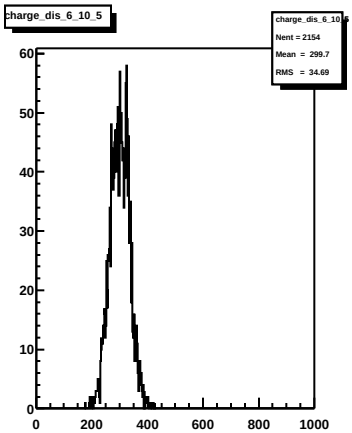
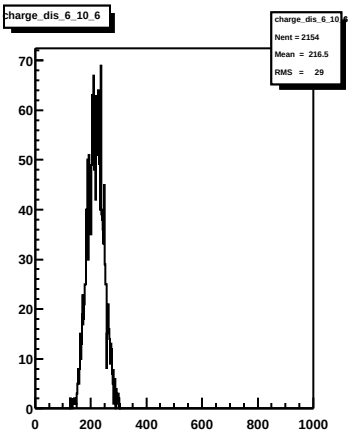
Mean = 283.8
RMS = 32.13


charge_dis_6_10_5
charge_dis_6_10_5
Nent = 2154
Mean = 299.7
RMS = 34.69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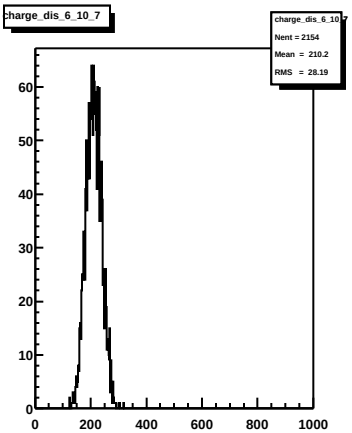
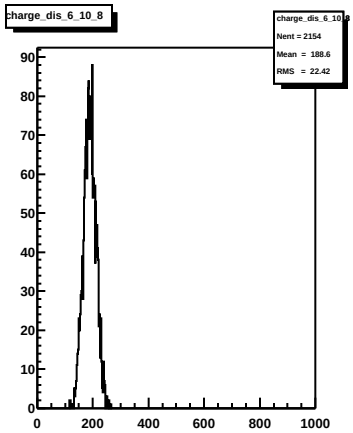
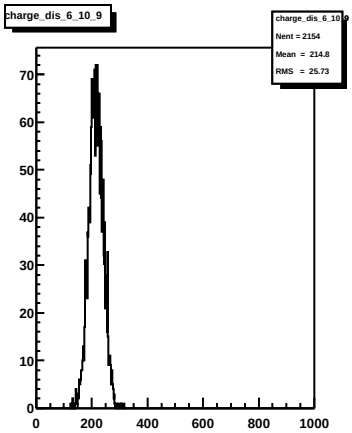
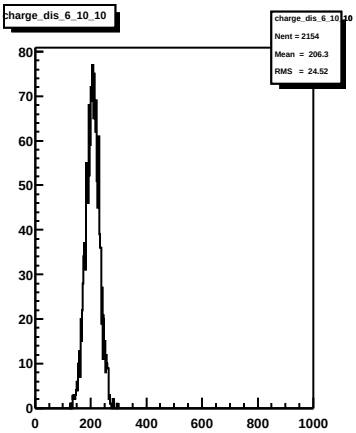
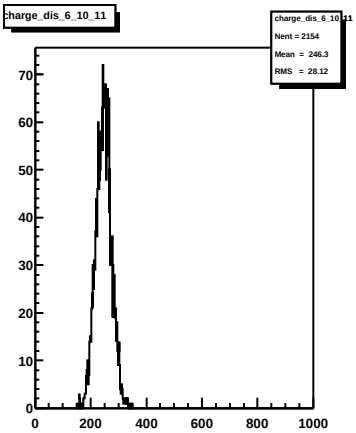
charge_dis_6_10_6
Nent = 2154
Mean = 216.5
RMS = 29

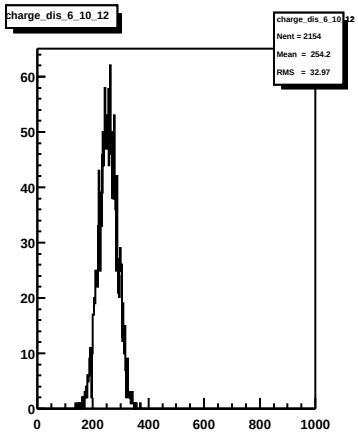

charge_dis_6_10_7
charge_dis_6_10_7
Nent = 2154
Mean = 210.2
RMS = 28.19

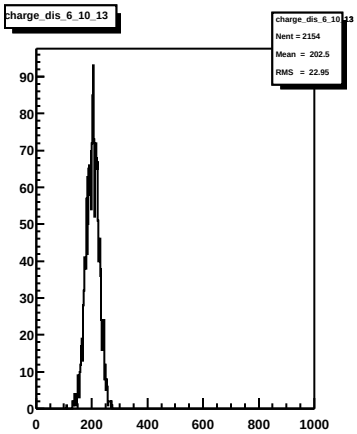

charge_dis_6_10_8
charge_dis_6_10_8
Nent = 2154
Mean = 188.6
RMS = 22.42

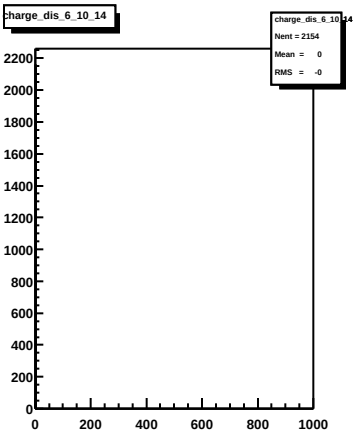

charge_dis_6_10_9
charge_dis_6_10_9
Nent = 2154
Mean = 214.8
RMS = 25.73


charge_dis_6_10_10
charge_dis_6_10_10
Nent = 2154
Mean = 206.3
RMS = 24.52


charge_dis_6_10_11
charge_dis_6_10_11
Nent = 2154
Mean = 246.3
RMS = 28.12


charge_dis_6_10_12
charge_dis_6_10_12
Nent = 2154
Mean = 254.2
RMS = 32.97


charge_dis_6_10_13
charge_dis_6_10_13
Nent = 2154
Mean = 202.5
RMS = 22.95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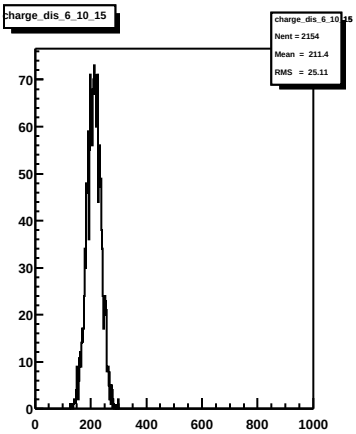
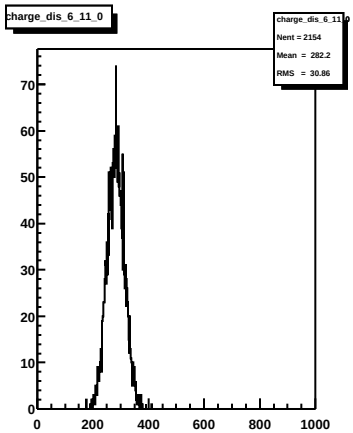
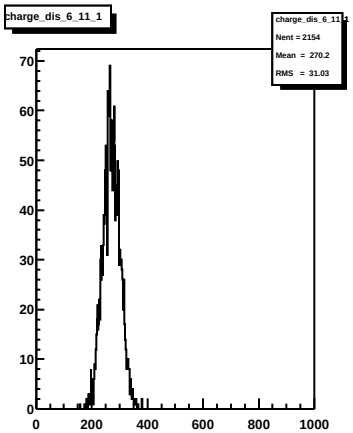
charge_dis_6_10_14
Nent = 2154
Mean = 0
RMS = -0


charge_dis_6_10_15
charge_dis_6_10_15
Nent = 2154
Mean = 211.4
RMS = 25.11


charge_dis_6_11_0
charge_dis_6_11_0
Nent = 2154
Mean = 282.2
RMS = 30.86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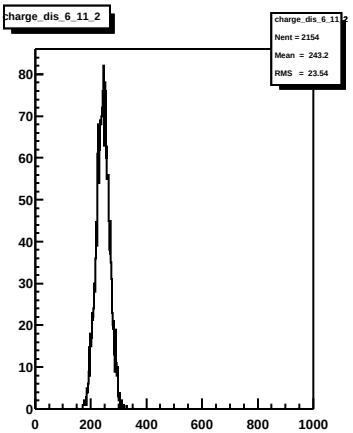
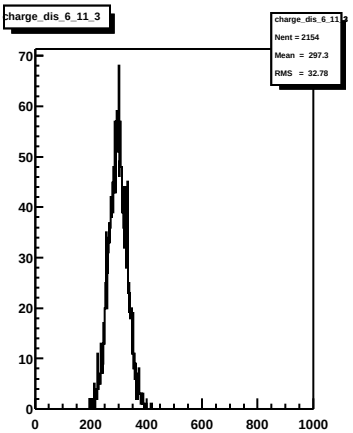
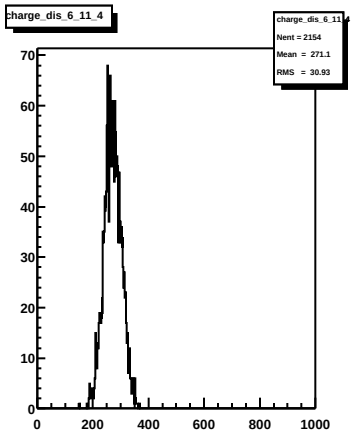
charge_dis_6_11_1
Nent = 2154
Mean = 270.2
RMS = 31.03


charge_dis_6_11_2
charge_dis_6_11_2
Nent = 2154
Mean = 243.2
RMS = 23.54


charge_dis_6_11_3
charge_dis_6_11_3
Nent = 2154
Mean = 297.3
RMS = 32.78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charge_dis_6_11_4
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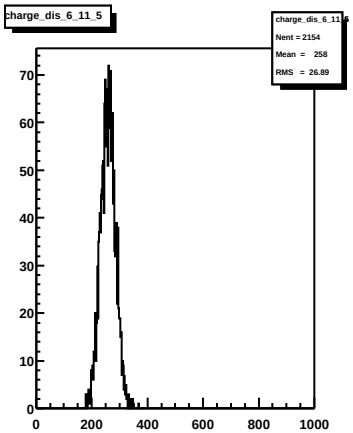
Mean = 271.1
RMS = 30.93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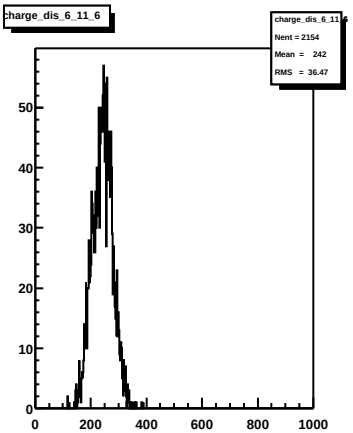
charge_dis_6_11_5
Nent = 2154
Mean = 258
RMS = 26.89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charge_dis_6_11_6
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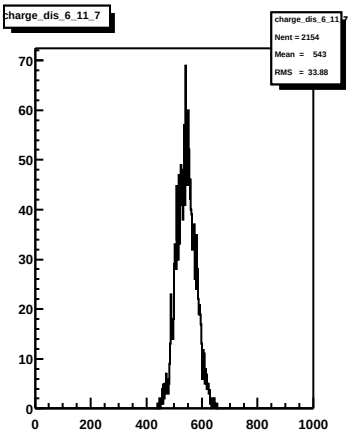
Mean = 242
RMS = 36.47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charge_dis_6_11_7
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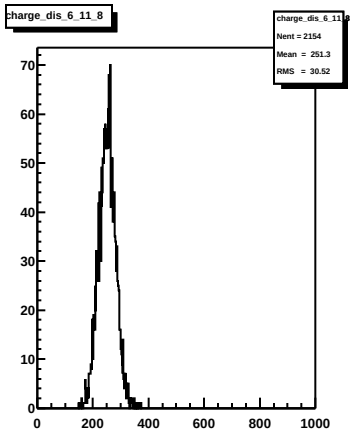
Mean = 543
RMS = 33.88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charge_dis_6_11_8
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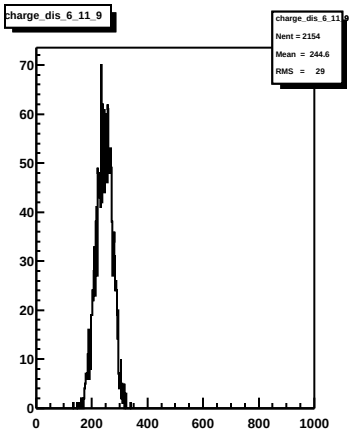
RMS = 30.52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charge_dis_6_11_9
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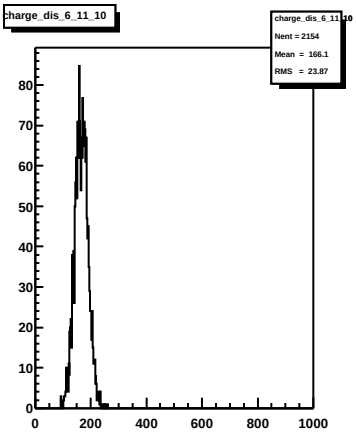
RMS = 29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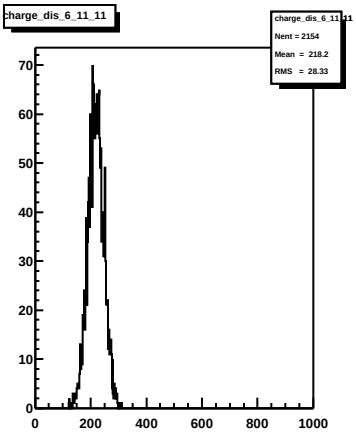
charge_dis_6_11_10
Nent = 2154
Mean = 166.1
RMS = 23.87


charge_dis_6_11_11
charge_dis_6_11_11
Nent = 2154
Mean = 218.2
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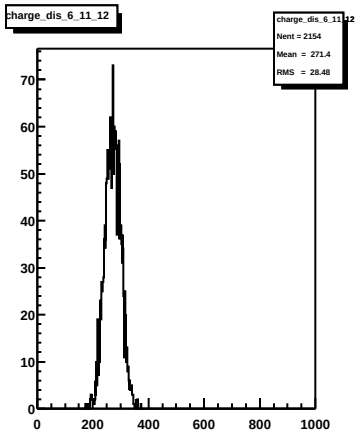
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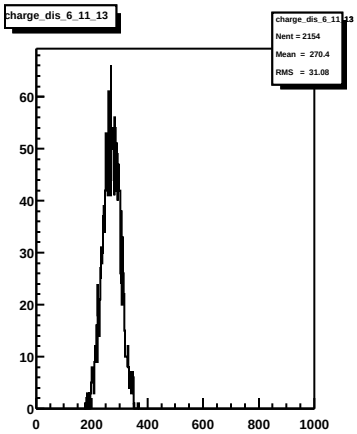
Nent = 2154
Mean = 271.4
RMS = 28.48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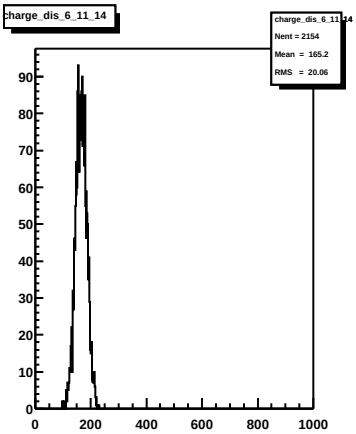
RMS = 31.08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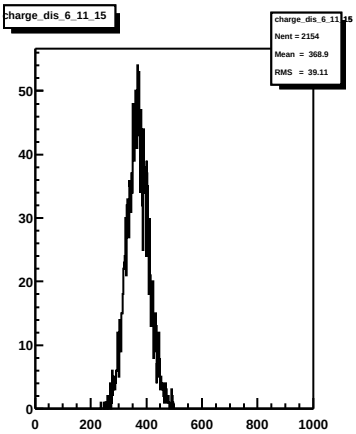
Nent = 2154
Mean = 165.2
RMS = 20.06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charge_dis_6_11_15
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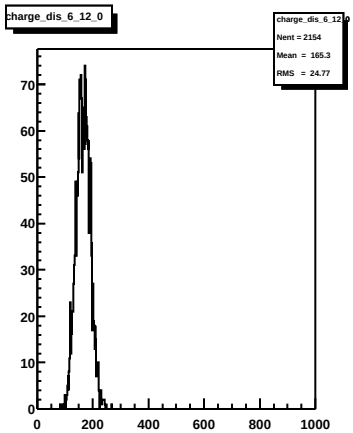
Mean = 368.9
RMS = 39.11


charge_dis_6_12_0
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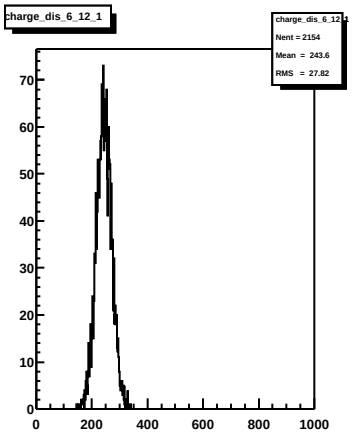
RMS = 24.77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charge_dis_6_12_1
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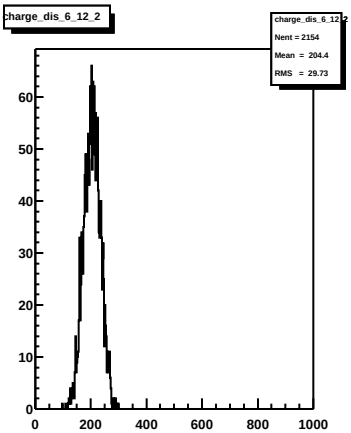
RMS = 27.82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charge_dis_6_12_2
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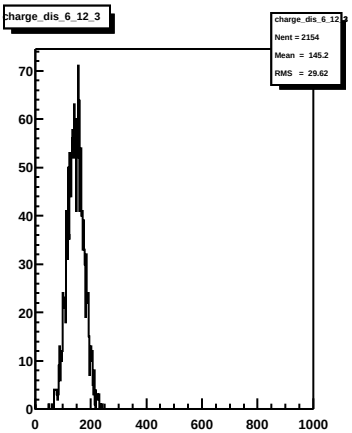
Mean = 204.4
RMS = 29.73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charge_dis_6_12_3
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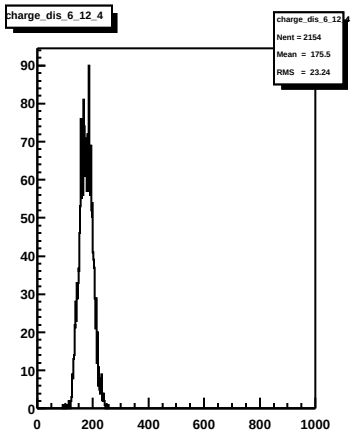
Mean = 145.2
RMS = 29.62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charge_dis_6_12_4
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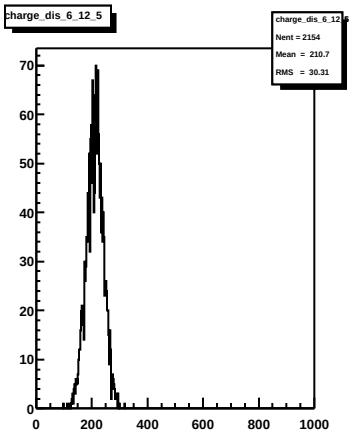
Mean = 175.5
RMS = 23.24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charge_dis_6_12_5
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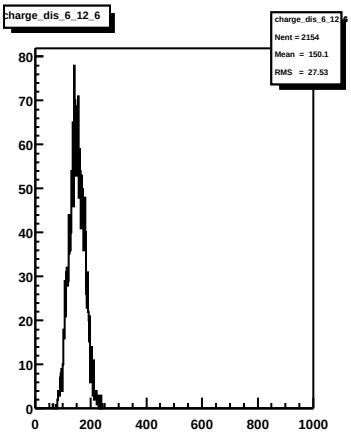
Mean = 210.7
RMS = 30.31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charge_dis_6_12_6
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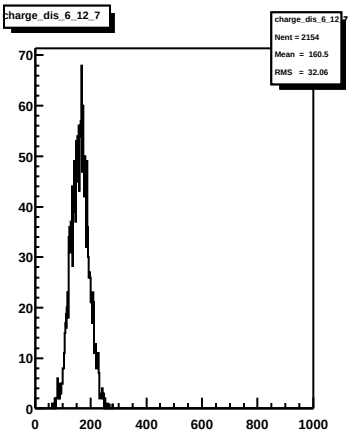
RMS = 27.53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charge_dis_6_12_7
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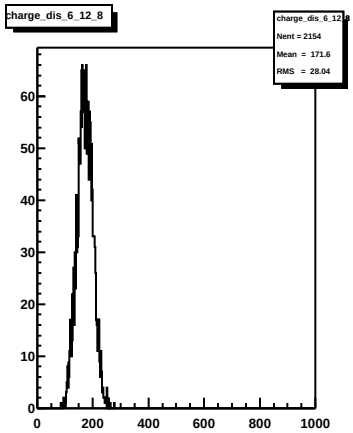
RMS = 32.06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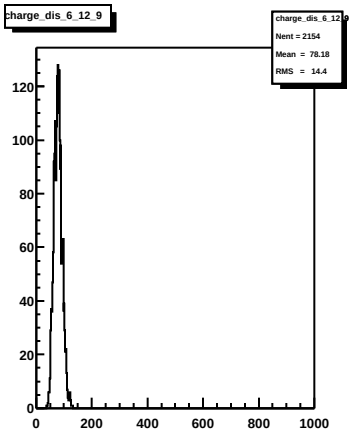
RMS = 28.04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charge_dis_6_12_9
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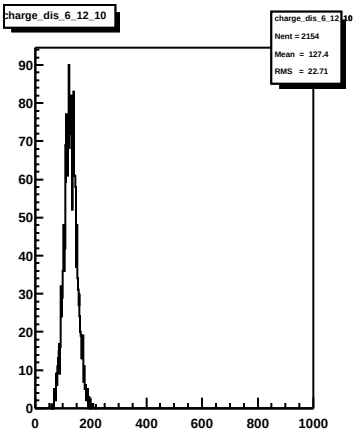
RMS = 14.4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charge_dis_6_12_10
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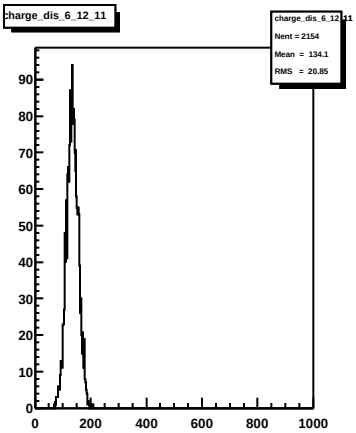
RMS = 22.71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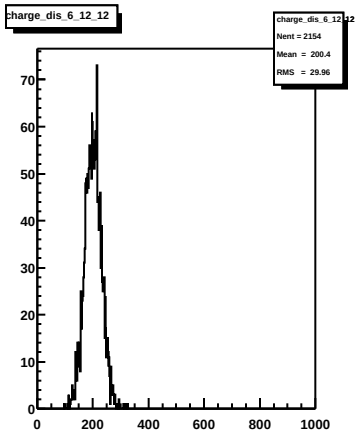
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Mean = 200.4
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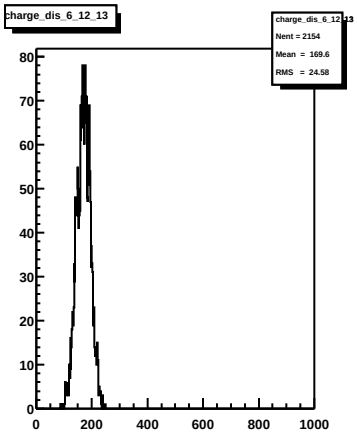
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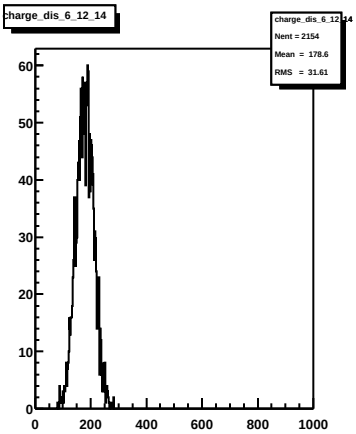
Mean = 169.6
RMS = 24.58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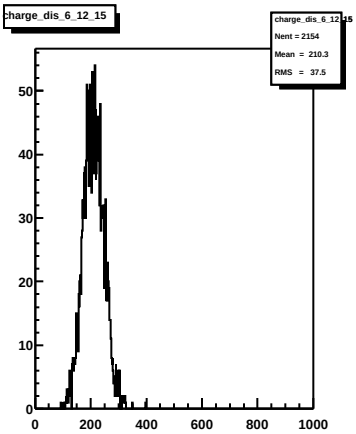
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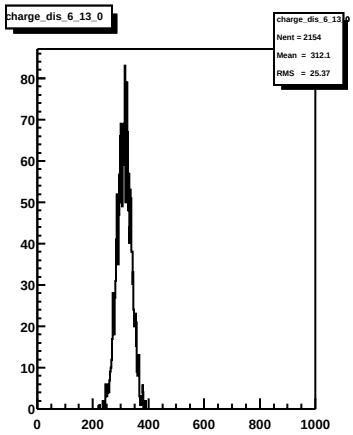
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charge_dis_6_13_0
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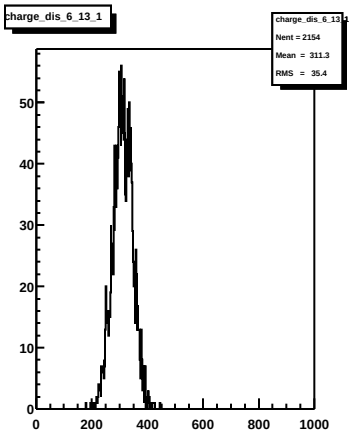
Mean = 312.1
RMS = 25.37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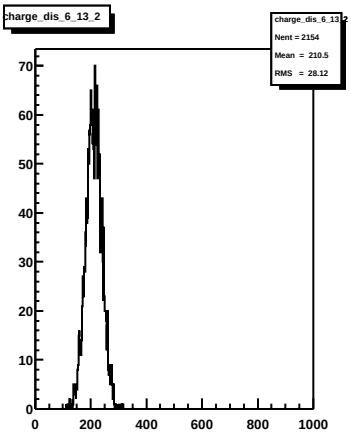
Mean = 311.3
RMS = 35.4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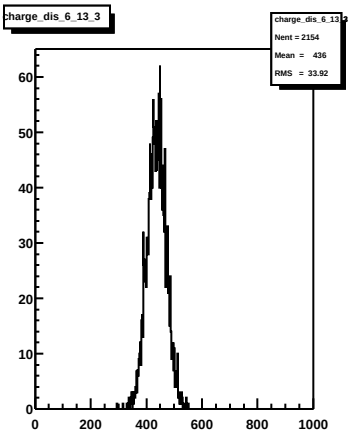
charge_dis_6_13_2
Nent = 2154
Mean = 210.5
RMS = 28.12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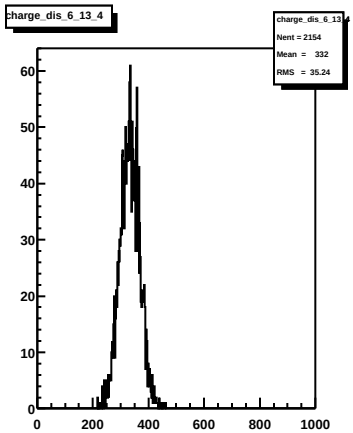
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charge_dis_6_13_4
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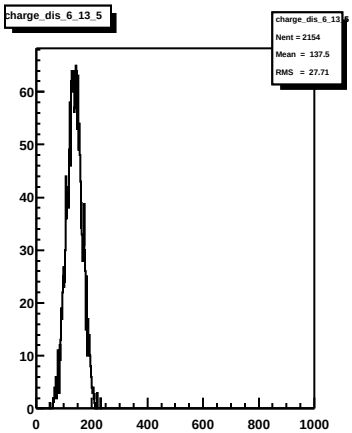
Mean = 332
RMS = 35.24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charge_dis_6_13_5
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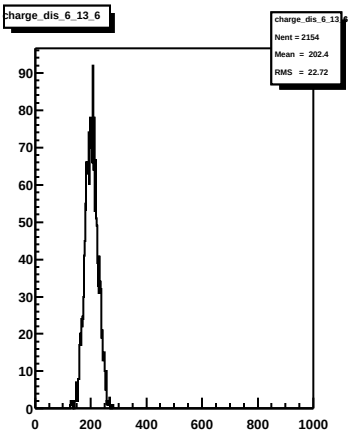
Mean = 137.5
RMS = 27.71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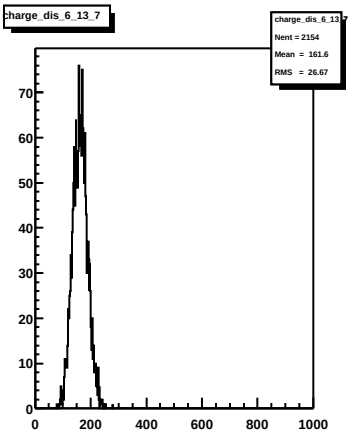
charge_dis_6_13_6
Nent = 2154
Mean = 202.4
RMS = 22.72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charge_dis_6_13_7
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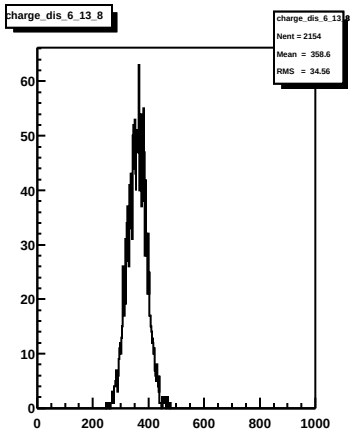
Mean = 161.6
RMS = 26.67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charge_dis_6_13_8
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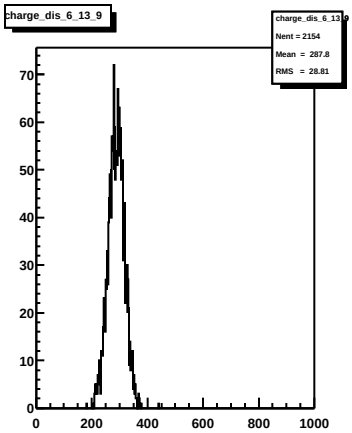
Mean = 358.6
RMS = 34.56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charge_dis_6_13_9
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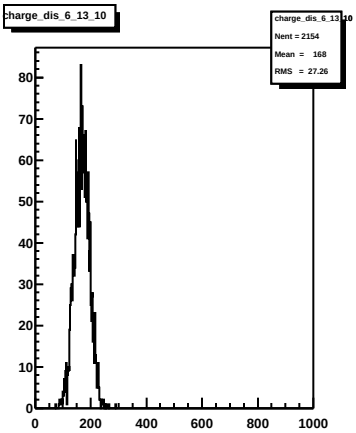
Mean = 287.8
RMS = 28.81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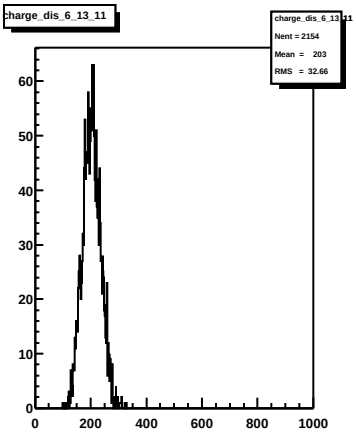
Mean = 168
RMS = 27.26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charge_dis_6_13_11
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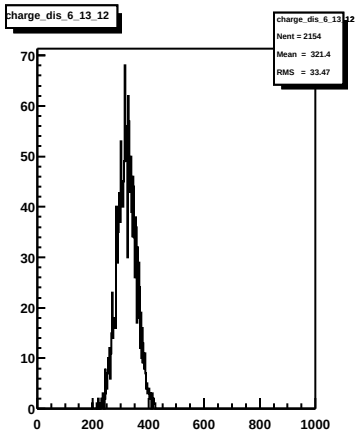
Mean = 203
RMS = 32.66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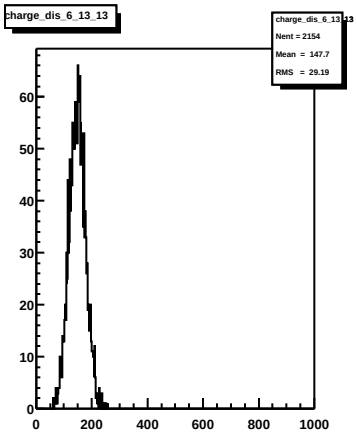
RMS = 33.47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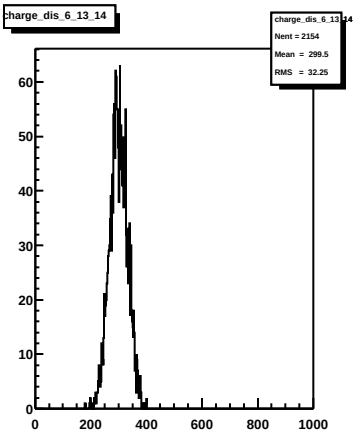
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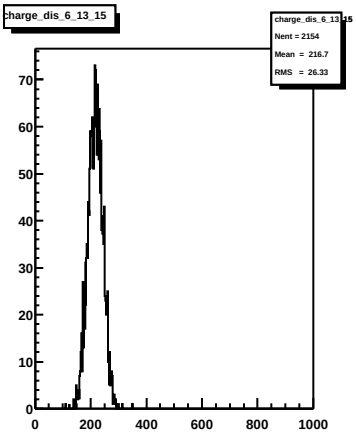
Mean = 299.5
RMS = 32.25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charge_dis_6_13_15
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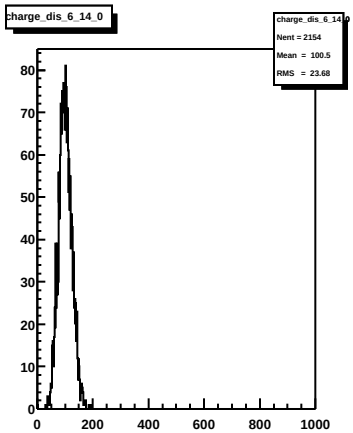
Mean = 216.7
RMS = 26.33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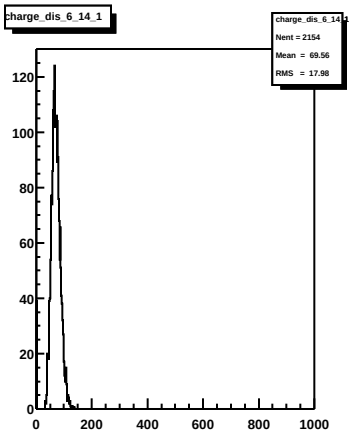
RMS = 23.68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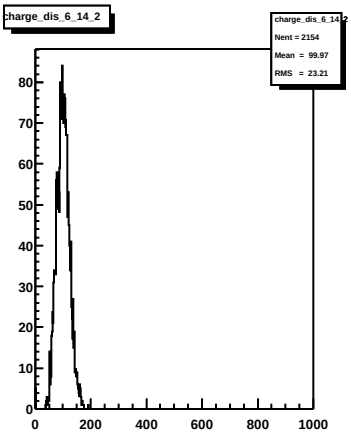
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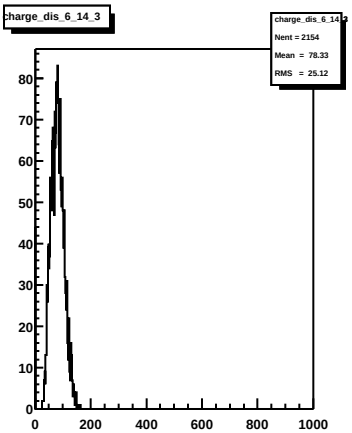
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charge_dis_6_14_3
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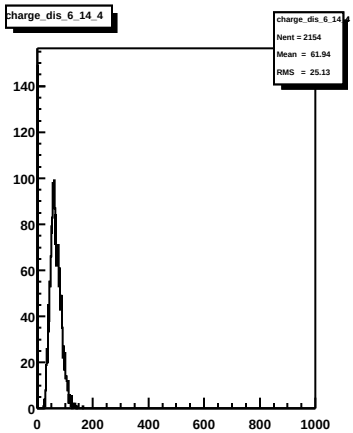
RMS = 25.12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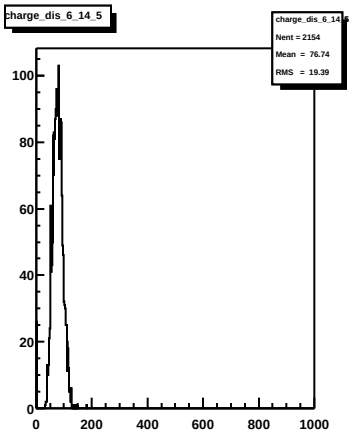
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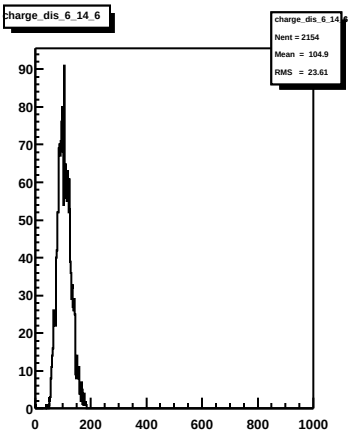
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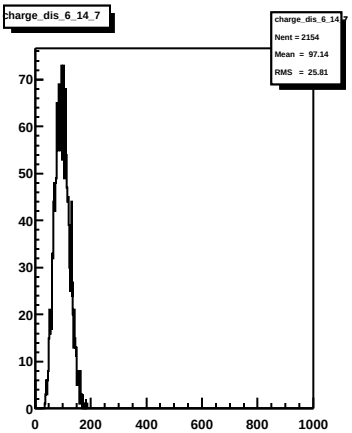
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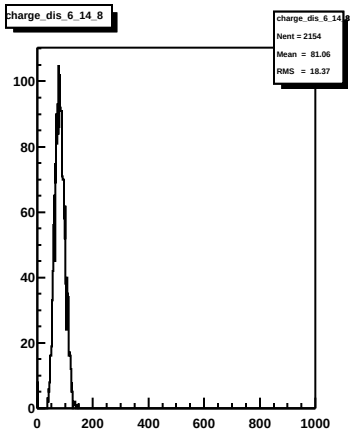
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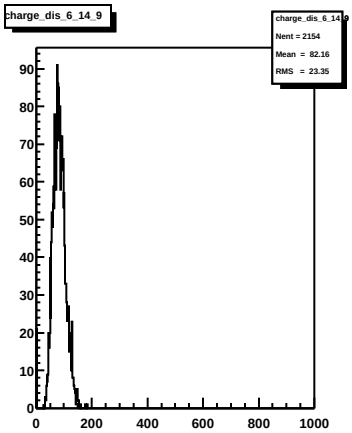
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charge_dis_6_14_9
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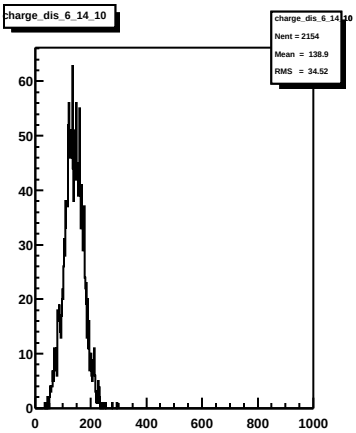
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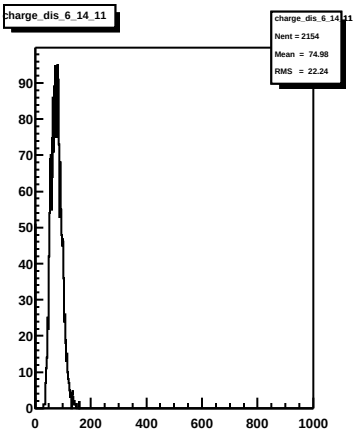
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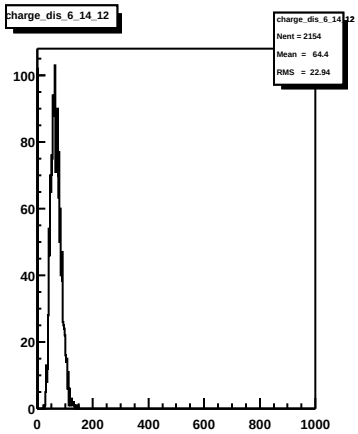
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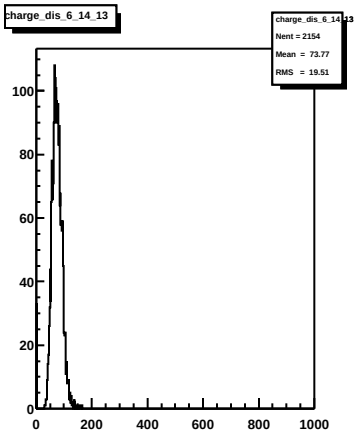
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charge_dis_6_14_13
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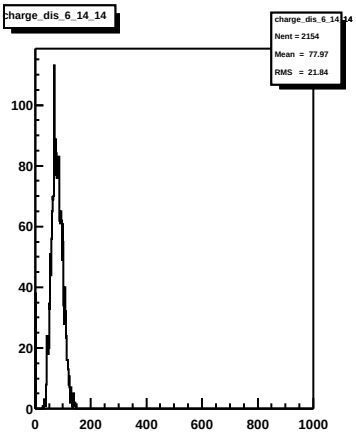
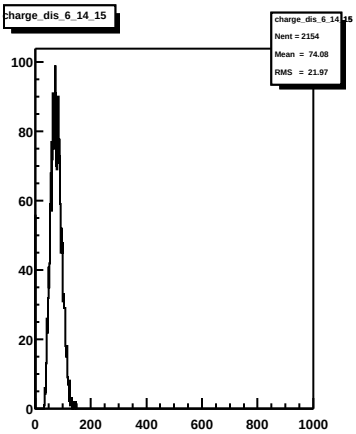
Mean = 73.77
RMS = 19.51


charge_dis_6_14_14
charge_dis_6_14_14
Nent = 2154
Mean = 77.97
RMS = 21.84


charge_dis_6_14_15
charge_dis_6_14_15
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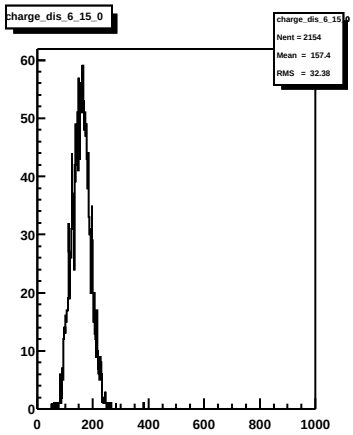
RMS = 21.97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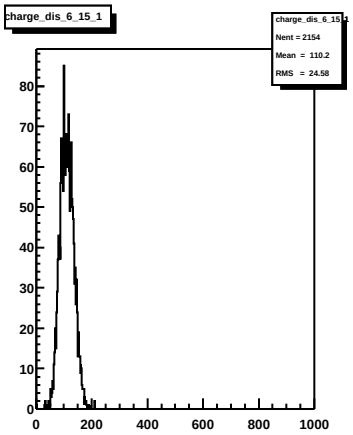
RMS = 32.38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charge_dis_6_15_1
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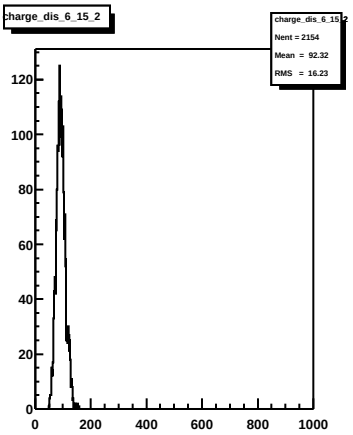
Mean = 110.2
RMS = 24.58


charge_dis_6_15_2
charge_dis_6_15_2
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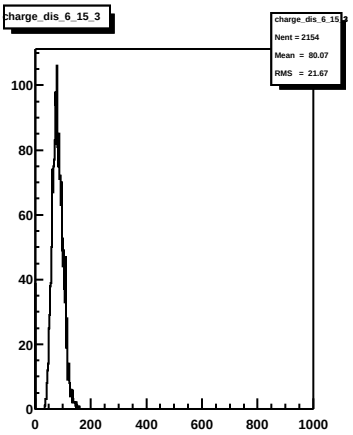
Mean = 92.32
RMS = 16.23


charge_dis_6_15_3
charge_dis_6_15_3
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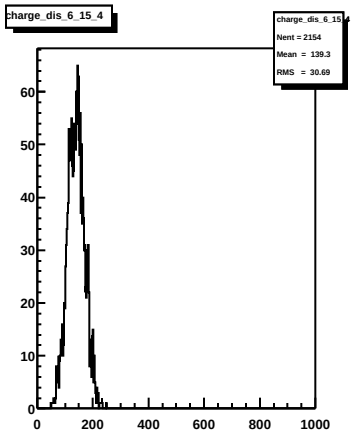
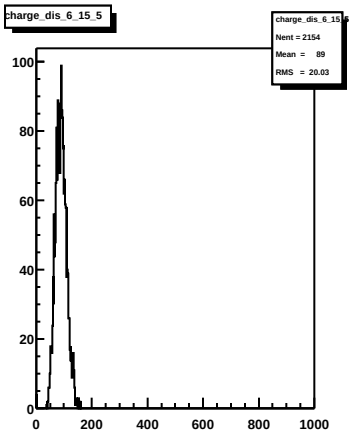
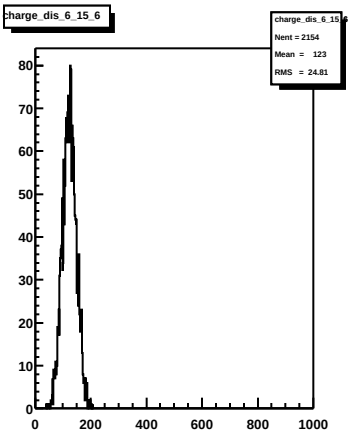
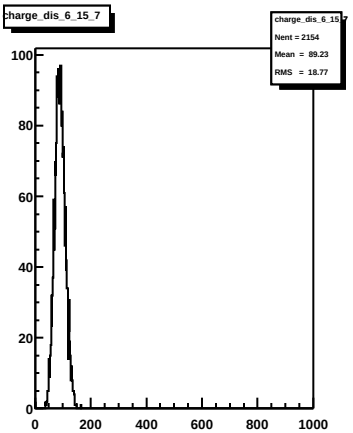
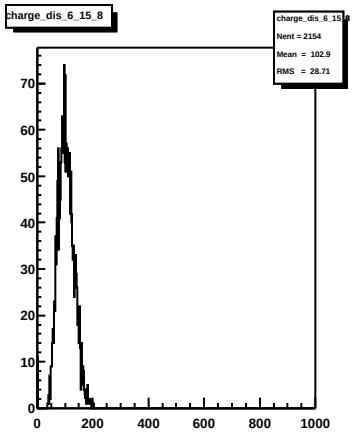
RMS = 21.67


charge_dis_6_15_4
charge_dis_6_15_4
Nent = 2154
Mean = 139.3
RMS = 30.69


charge_dis_6_15_5
charge_dis_6_15_5
Nent = 2154
Mean = 89
RMS = 20.03


charge_dis_6_15_6
charge_dis_6_15_6
Nent = 2154
Mean = 123
RMS = 24.81


charge_dis_6_15_7
charge_dis_6_15_7
Nent = 2154
Mean = 89.23
RMS = 18.77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charge_dis_6_15_8
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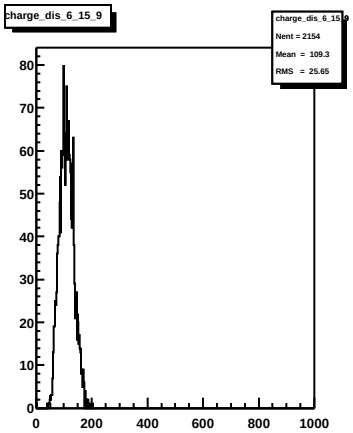
Mean = 102.9
RMS = 28.71


charge_dis_6_15_9
charge_dis_6_15_9
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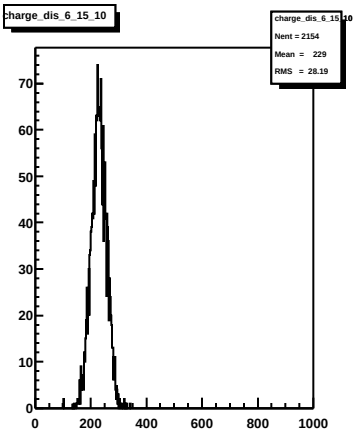
Mean = 109.3
RMS = 25.65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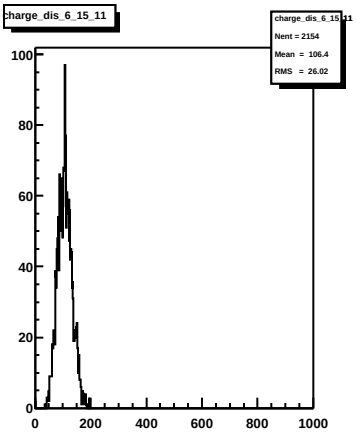
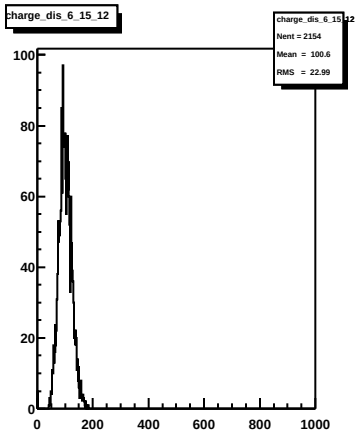
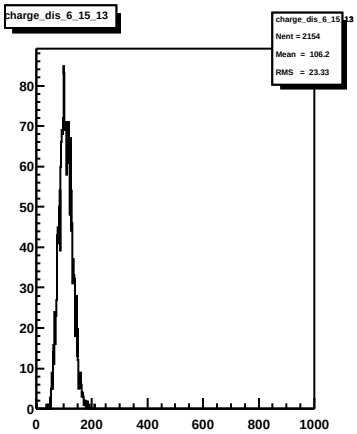
charge_dis_6_15_10
Nent = 2154
Mean = 229
RMS = 28.19


charge_dis_6_15_11
charge_dis_6_15_11
Nent = 2154
Mean = 106.4
RMS = 26.02


charge_dis_6_15_12
charge_dis_6_15_12
Nent = 2154
Mean = 100.6
RMS = 22.99


charge_dis_6_15_13
charge_dis_6_15_13
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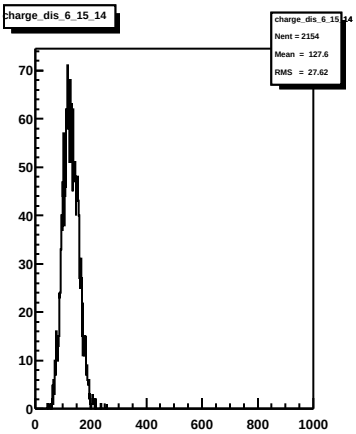
Mean = 106.2
RMS = 23.33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charge_dis_6_15_14
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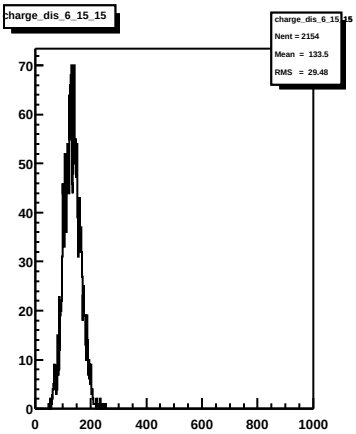
Mean = 127.6
RMS = 27.62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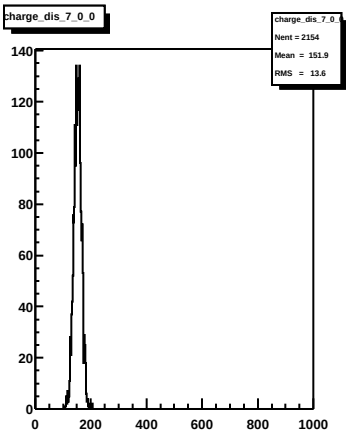
charge_dis_6_15_15
Nent = 2154
Mean = 133.5
RMS = 29.48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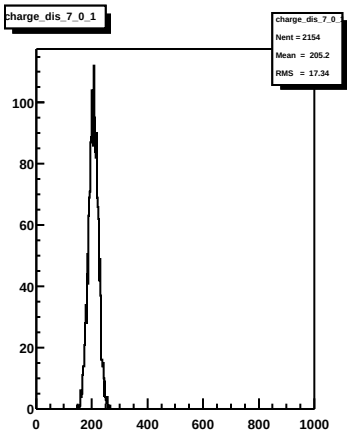
charge_dis_7_0_
Nent = 2154
Mean = 151.9
RMS = 13.6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charge_dis_7_0_
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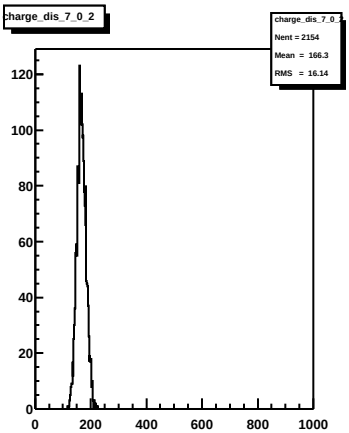
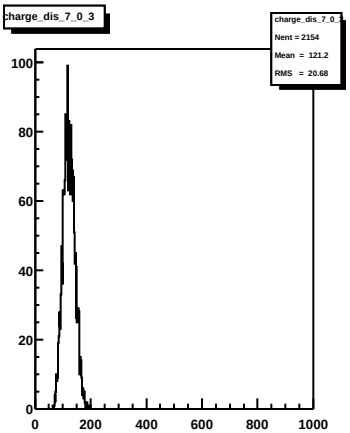
Mean = 205.2
RMS = 17.34


charge_dis_7_0_2
charge_dis_7_0_
Nent = 2154
Mean = 166.3
RMS = 16.14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charge_dis_7_0_
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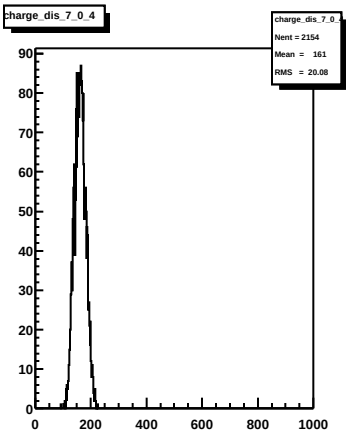
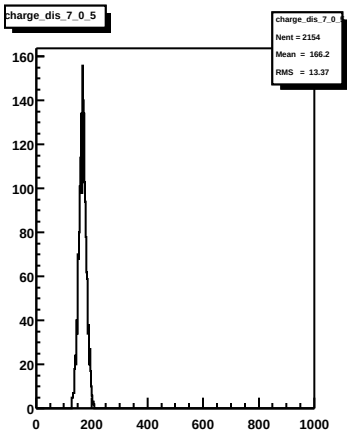
Mean = 121.2
RMS = 20.68


charge_dis_7_0_4
charge_dis_7_0_
Nent = 2154
Mean = 161
RMS = 20.08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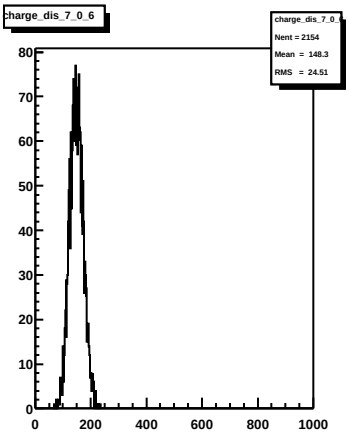
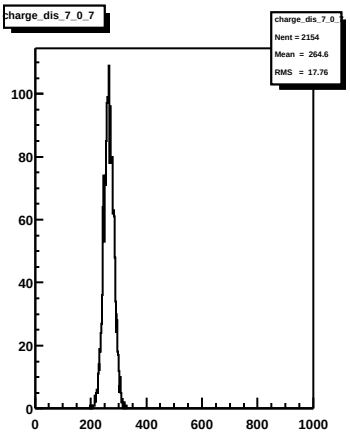
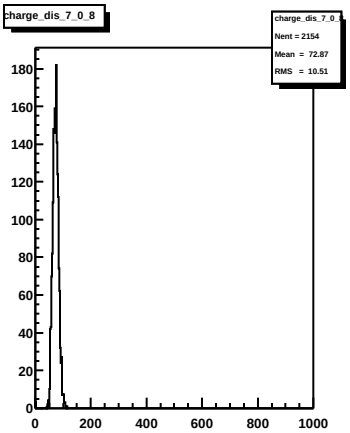
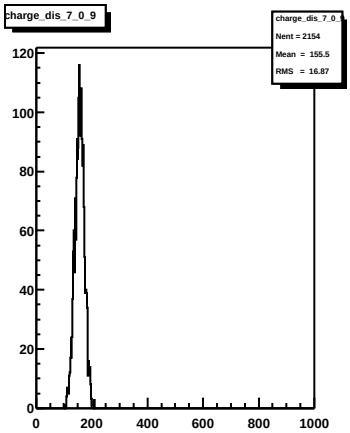
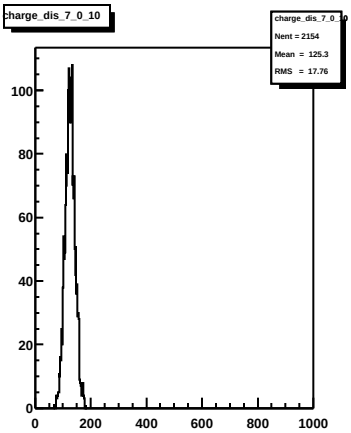
charge_dis_7_0_
Nent = 2154
Mean = 166.2
RMS = 13.37


charge_dis_7_0_6
charge_dis_7_0_
Nent = 2154
Mean = 148.3
RMS = 24.51


charge_dis_7_0_7
charge_dis_7_0_
Nent = 2154
Mean = 264.6
RMS = 17.76


charge_dis_7_0_8
charge_dis_7_0_
Nent = 2154
Mean = 72.87
RMS = 10.51


charge_dis_7_0_9
charge_dis_7_0_
Nent = 2154
Mean = 155.5
RMS = 16.87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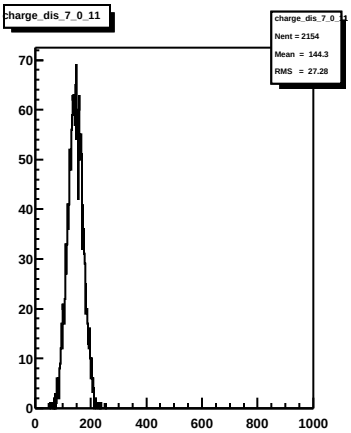
Nent = 2154
Mean = 125.3
RMS = 17.76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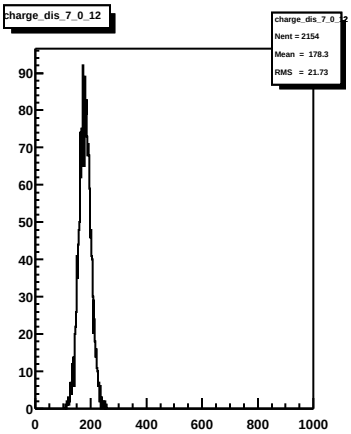
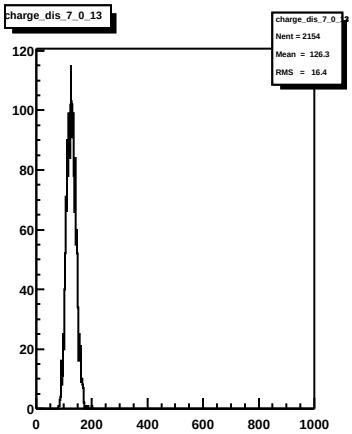
Nent = 2154
Mean = 144.3
RMS = 27.28


charge_dis_7_0_12
Nent = 2154
Mean = 178.3
RMS = 21.73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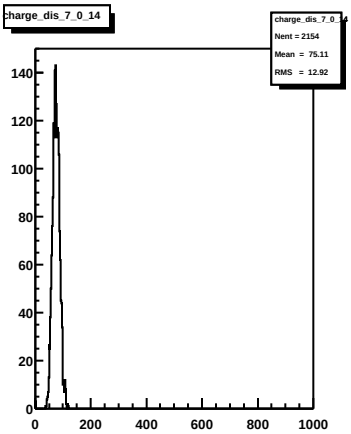
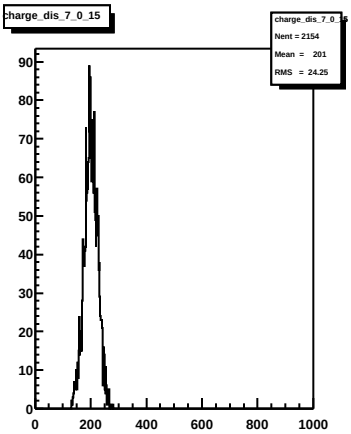
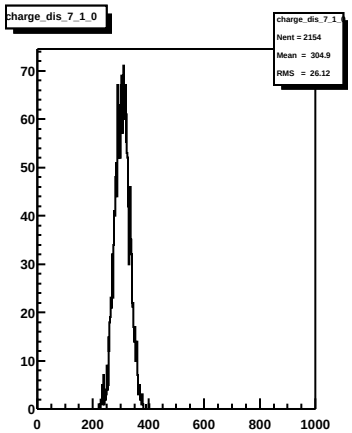
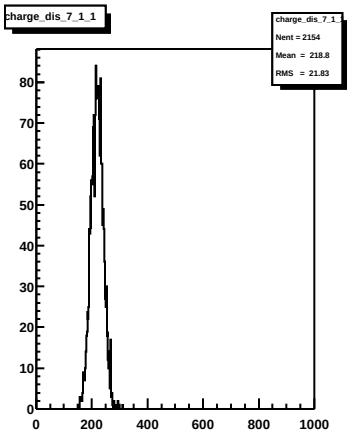
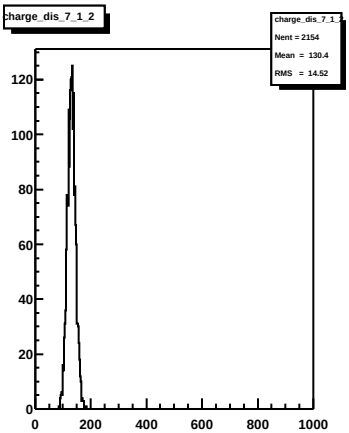
Nent = 2154
Mean = 126.3
RMS = 16.4

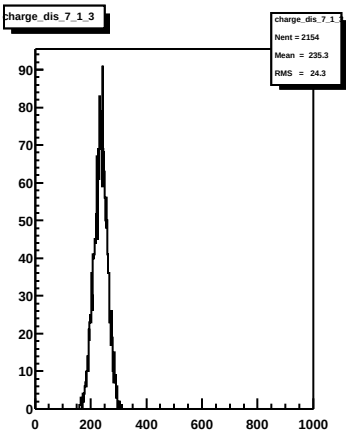

charge_dis_7_0_14
Nent = 2154
Mean = 75.11
RMS = 12.92


charge_dis_7_0_15
Nent = 2154
Mean = 201
RMS = 24.25


charge_dis_7_1_0
charge_dis_7_1_
Nent = 2154
Mean = 304.9
RMS = 26.12


charge_dis_7_1_1
charge_dis_7_1_
Nent = 2154
Mean = 218.8
RMS = 21.83


charge_dis_7_1_2
charge_dis_7_1_
Nent = 2154
Mean = 130.4
RMS = 14.52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charge_dis_7_1_
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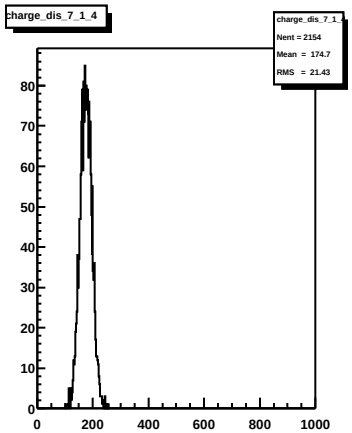
Mean = 235.3
RMS = 24.3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charge_dis_7_1_
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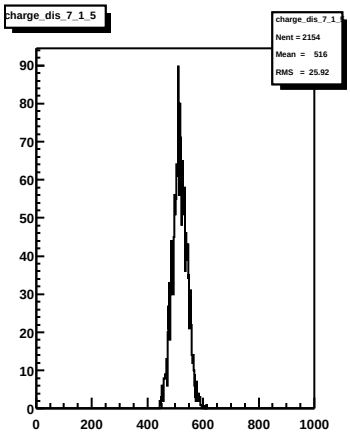
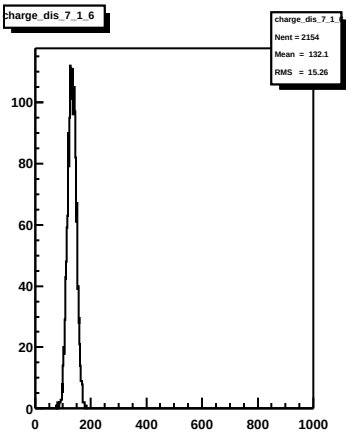
RMS = 21.43


charge_dis_7_1_5
charge_dis_7_1_
Nent = 2154
Mean = 516
RMS = 25.92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charge_dis_7_1_
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Mean = 132.1
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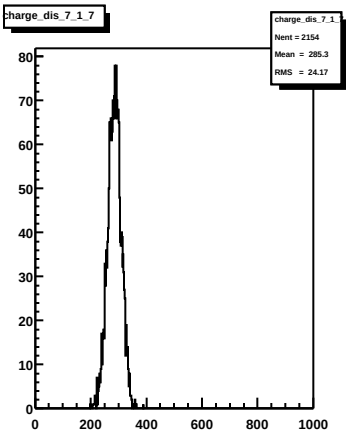
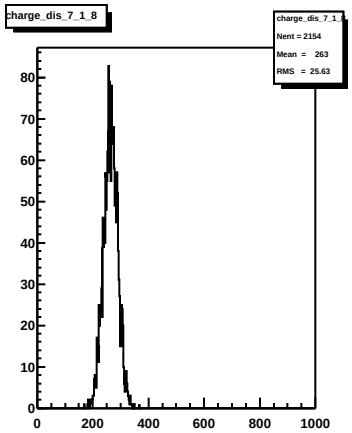
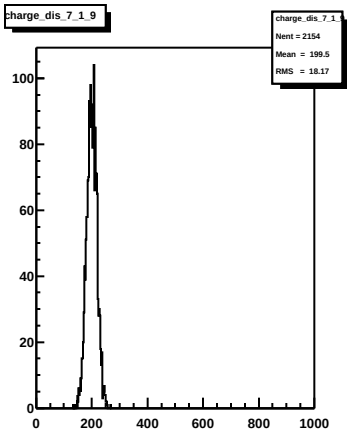

charge_dis_7_1_7
charge_dis_7_1_
Nent = 2154
Mean = 285.3
RMS = 24.17


charge_dis_7_1_8
charge_dis_7_1_
Nent = 2154
Mean = 263
RMS = 25.63


charge_dis_7_1_9
charge_dis_7_1_
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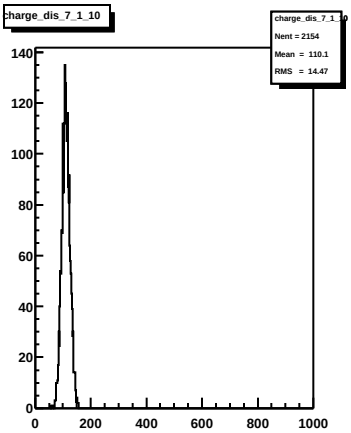
RMS = 18.17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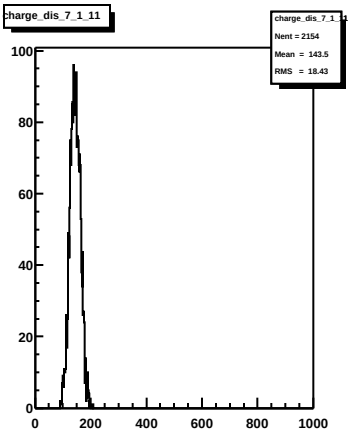
RMS = 14.47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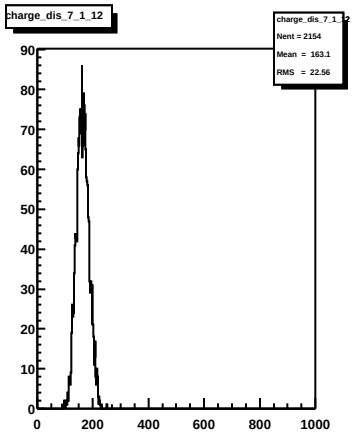
Mean = 143.5
RMS = 18.43


charge_dis_7_1_12
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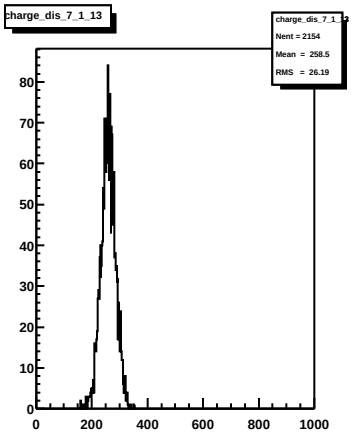
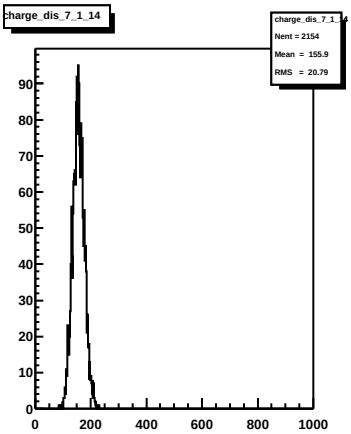
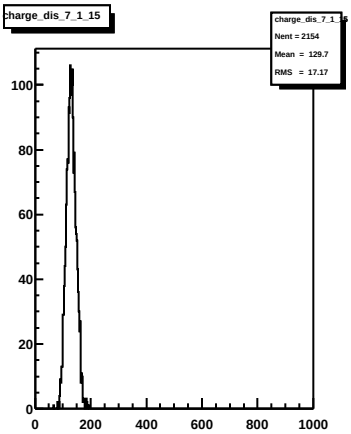
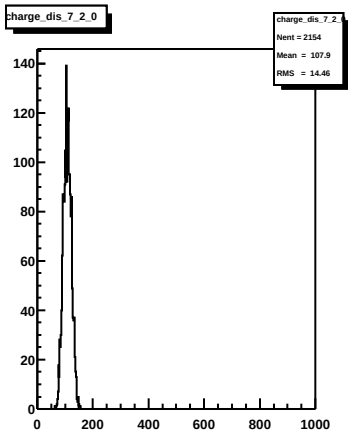
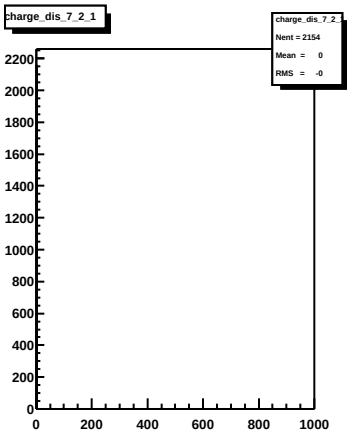
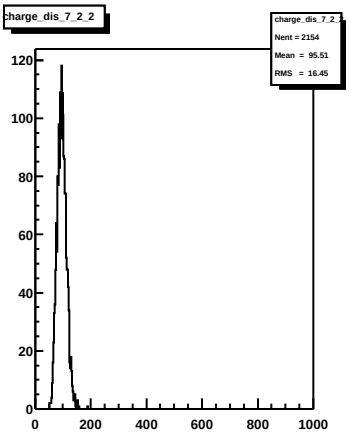

charge_dis_7_1_13
charge_dis_7_1_
Nent = 2154
Mean = 258.5
RMS = 26.19

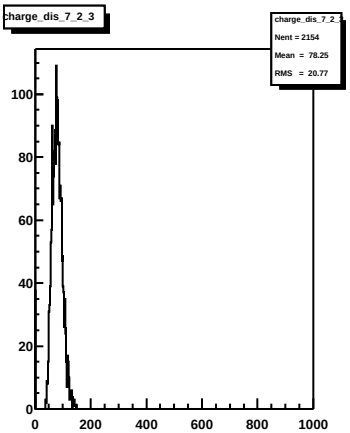

charge_dis_7_1_14
charge_dis_7_1_
Nent = 2154
Mean = 155.9
RMS = 20.79

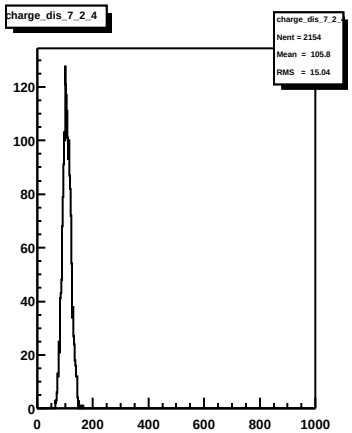

charge_dis_7_1_15
charge_dis_7_1_
Nent = 2154
Mean = 129.7
RMS = 17.17

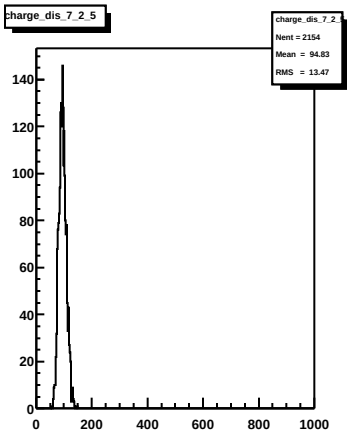

charge_dis_7_2_0
charge_dis_7_2_
Nent = 2154
Mean = 107.9
RMS = 14.46

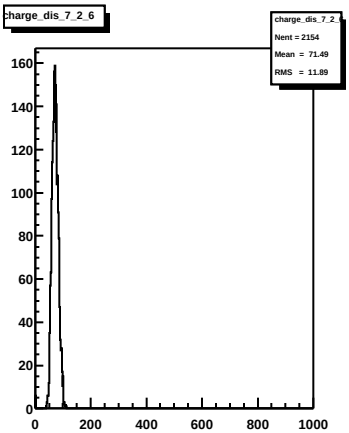

charge_dis_7_2_1
charge_dis_7_2_
Nent = 2154
Mean = 0
RMS = -0

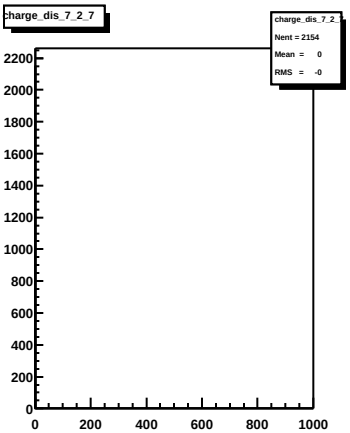

charge_dis_7_2_2
charge_dis_7_2_
Nent = 2154
Mean = 95.51
RMS = 16.45

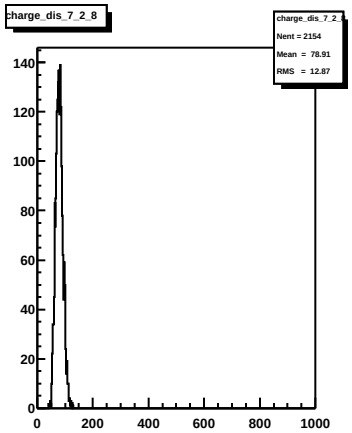

charge_dis_7_2_3
charge_dis_7_2_
Nent = 2154
Mean = 78.25
RMS = 20.77

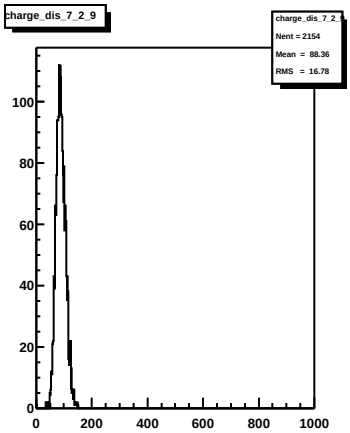

charge_dis_7_2_4
charge_dis_7_2_
Nent = 2154
Mean = 105.8
RMS = 15.04

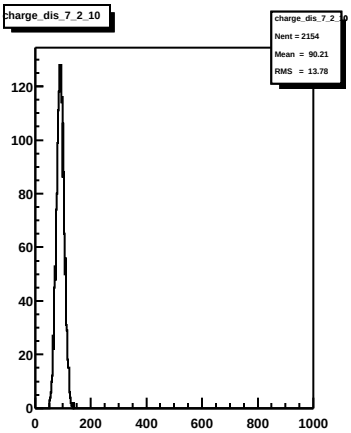

charge_dis_7_2_5
charge_dis_7_2_
Nent = 2154
Mean = 94.83
RMS = 13.47

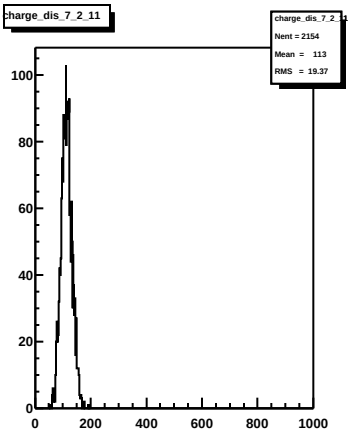

charge_dis_7_2_6
charge_dis_7_2_
Nent = 2154
Mean = 71.49
RMS = 11.89

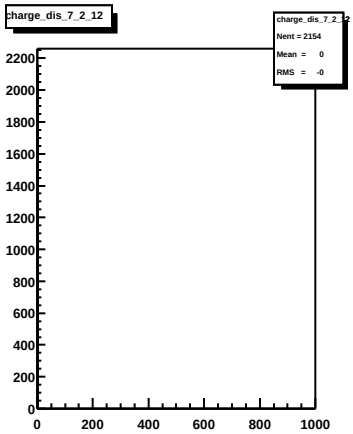

charge_dis_7_2_7
charge_dis_7_2_
Nent = 2154
Mean = 0
RMS = -0

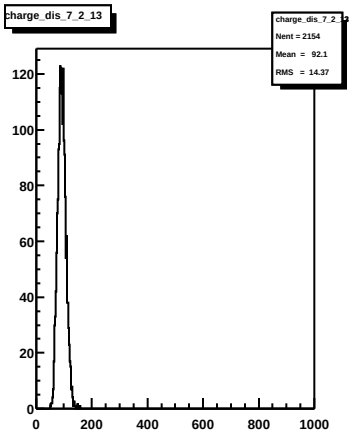

charge_dis_7_2_8
charge_dis_7_2_
Nent = 2154
Mean = 78.91
RMS = 12.87

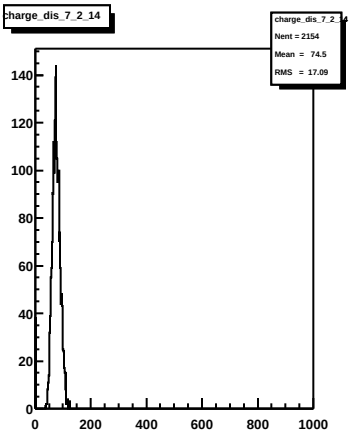

charge_dis_7_2_9
charge_dis_7_2_
Nent = 2154
Mean = 88.36
RMS = 16.78

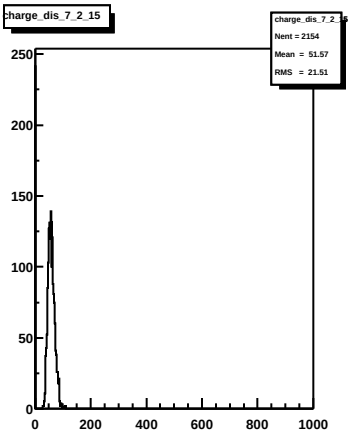

charge_dis_7_2_10
charge_dis_7_2_
Nent = 2154
Mean = 90.21
RMS = 13.78

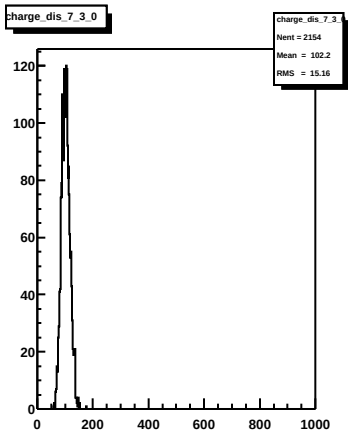

charge_dis_7_2_11
charge_dis_7_2_
Nent = 2154
Mean = 113
RMS = 19.37

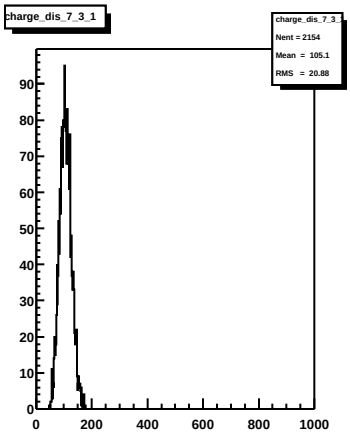

charge_dis_7_2_12
charge_dis_7_2_
Nent = 2154
Mean = 0
RMS = -0

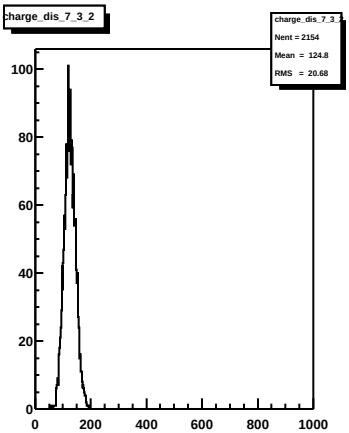

charge_dis_7_2_13
charge_dis_7_2_
Nent = 2154
Mean = 92.1
RMS = 14.37

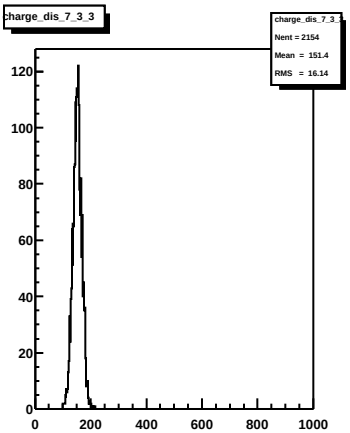

charge_dis_7_2_14
charge_dis_7_2_
Nent = 2154
Mean = 74.5
RMS = 17.09

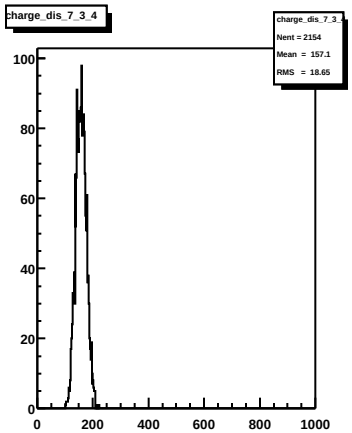

charge_dis_7_2_15
charge_dis_7_2_
Nent = 2154
Mean = 51.57
RMS = 21.51

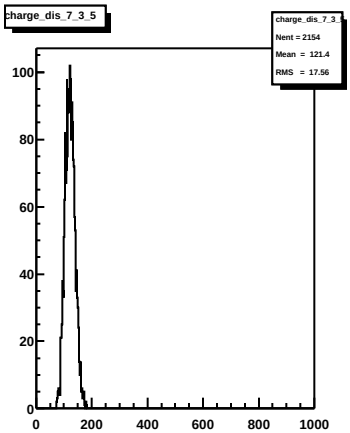

charge_dis_7_3_0
charge_dis_7_3_
Nent = 2154
Mean = 102.2
RMS = 15.16

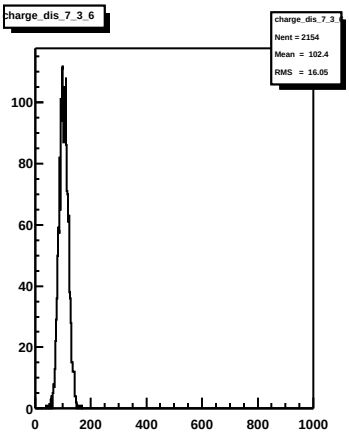

charge_dis_7_3_1
charge_dis_7_3_
Nent = 2154
Mean = 105.1
RMS = 20.88

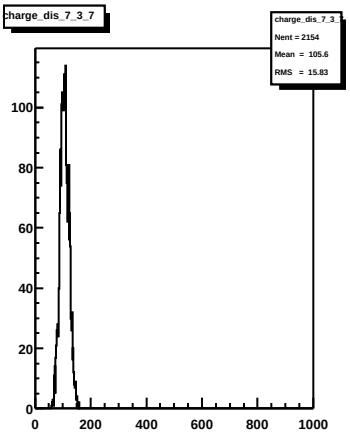

charge_dis_7_3_2
charge_dis_7_3_
Nent = 2154
Mean = 124.8
RMS = 20.68

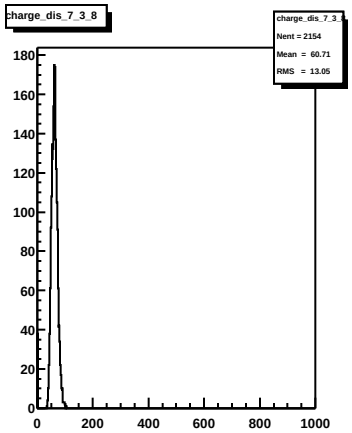

charge_dis_7_3_3
charge_dis_7_3_
Nent = 2154
Mean = 151.4
RMS = 16.14

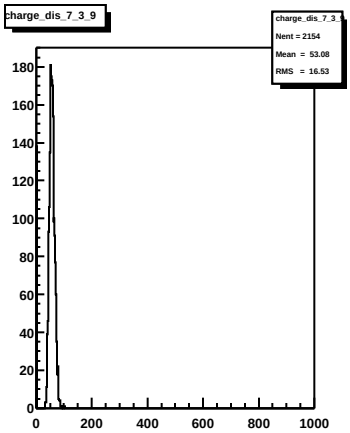

charge_dis_7_3_4
charge_dis_7_3_
Nent = 2154
Mean = 157.1
RMS = 18.65

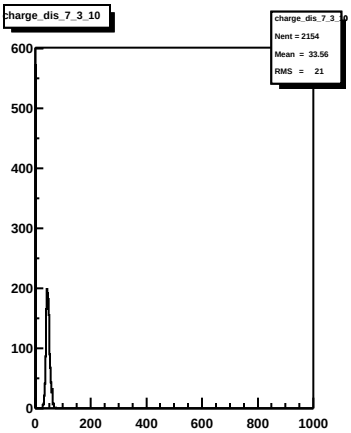

charge_dis_7_3_5
charge_dis_7_3_
Nent = 2154
Mean = 121.4
RMS = 17.56

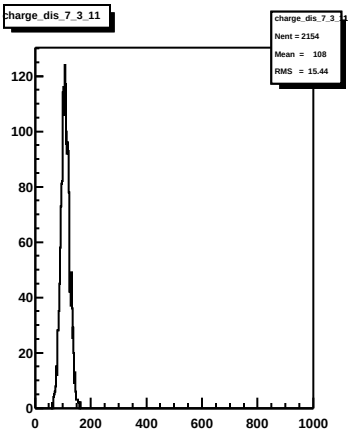

charge_dis_7_3_6
charge_dis_7_3_
Nent = 2154
Mean = 102.4
RMS = 16.05

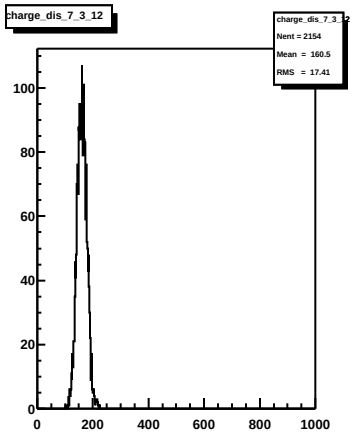

charge_dis_7_3_7
charge_dis_7_3_
Nent = 2154
Mean = 105.6
RMS = 15.83

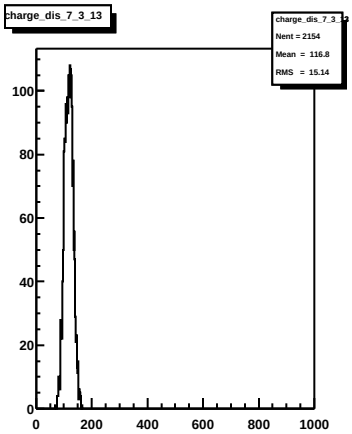

charge_dis_7_3_8
charge_dis_7_3_
Nent = 2154
Mean = 60.71
RMS = 13.05

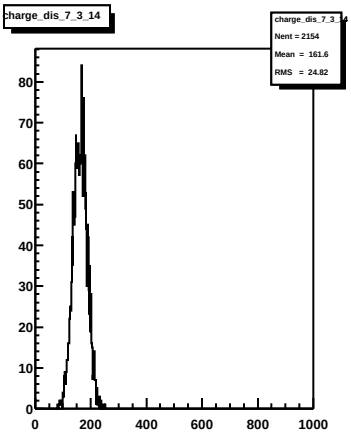

charge_dis_7_3_9
charge_dis_7_3_
Nent = 2154
Mean = 53.08
RMS = 16.53

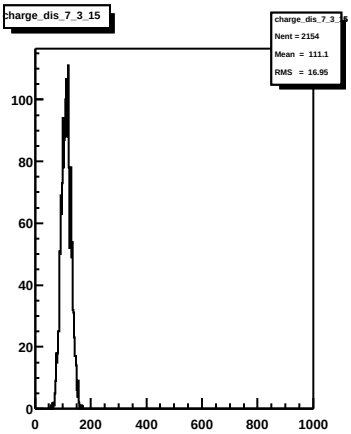

charge_dis_7_3_10
Nent = 2154
Mean = 33.56
RMS = 21

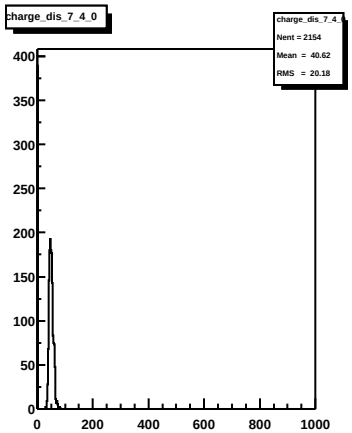

charge_dis_7_3_11
Nent = 2154
Mean = 108
RMS = 15.44

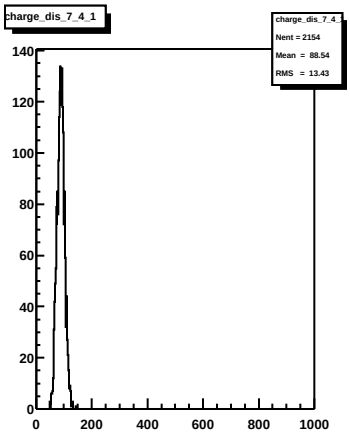

charge_dis_7_3_12
Nent = 2154
Mean = 160.5
RMS = 17.41

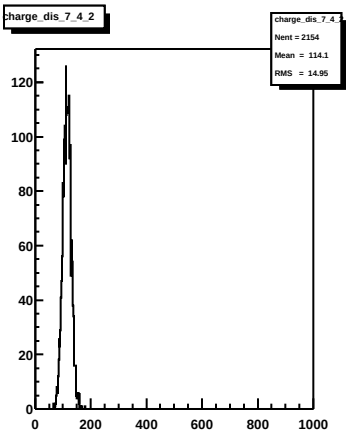

charge_dis_7_3_13
Nent = 2154
Mean = 116.8
RMS = 15.14

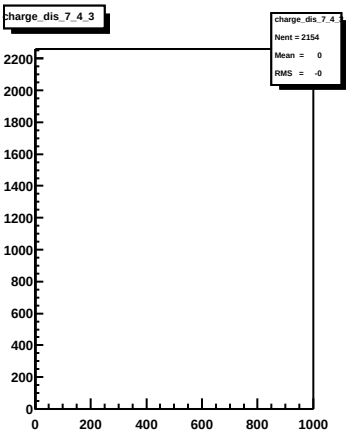

charge_dis_7_3_14
Nent = 2154
Mean = 161.6
RMS = 24.82

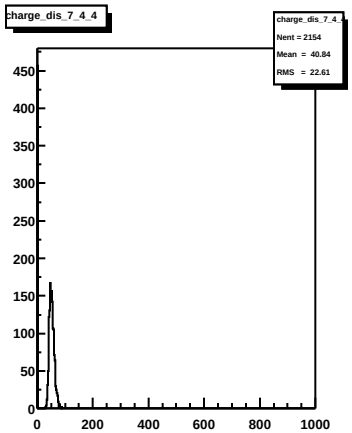

charge_dis_7_3_15
Nent = 2154
Mean = 111.1
RMS = 16.95

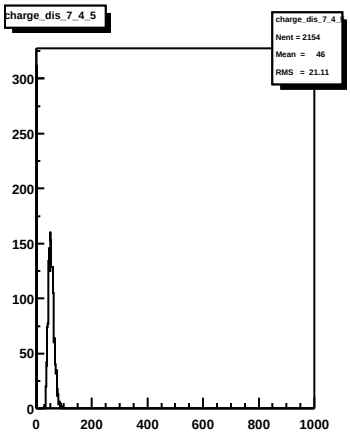

charge_dis_7_4_0
charge_dis_7_4_
Nent = 2154
Mean = 40.62
RMS = 20.18

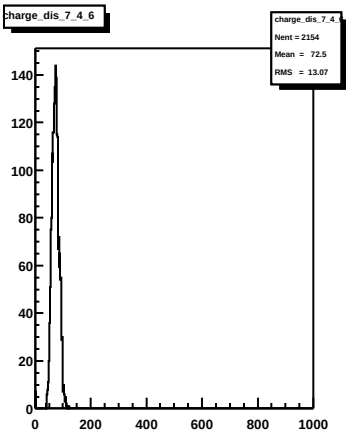

charge_dis_7_4_1
charge_dis_7_4_
Nent = 2154
Mean = 88.54
RMS = 13.43

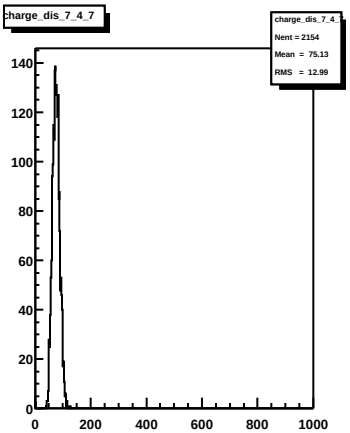

charge_dis_7_4_2
charge_dis_7_4_
Nent = 2154
Mean = 114.1
RMS = 14.95

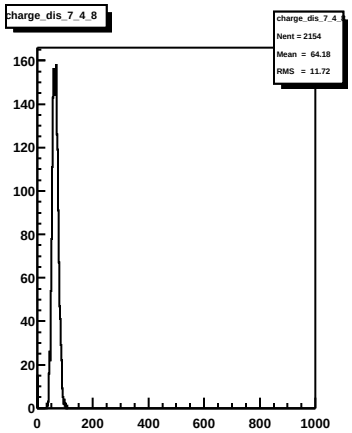

charge_dis_7_4_3
charge_dis_7_4_
Nent = 2154
Mean = 0
RMS = -0

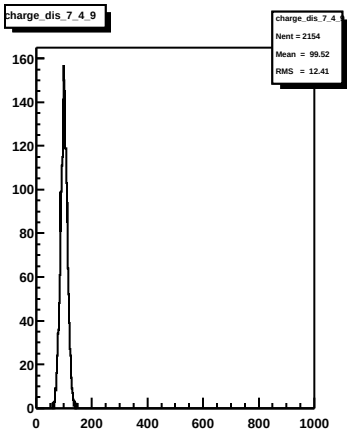

charge_dis_7_4_4
charge_dis_7_4_
Nent = 2154
Mean = 40.84
RMS = 22.61

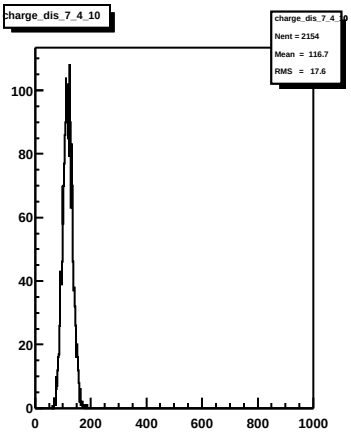

charge_dis_7_4_5
charge_dis_7_4_
Nent = 2154
Mean = 46
RMS = 21.11

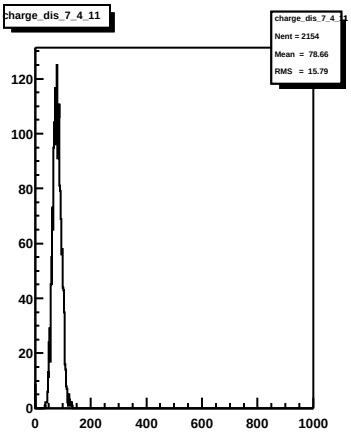

charge_dis_7_4_6
charge_dis_7_4_
Nent = 2154
Mean = 72.5
RMS = 13.07

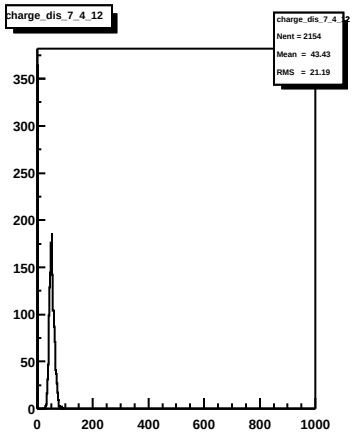

charge_dis_7_4_7
charge_dis_7_4_
Nent = 2154
Mean = 75.13
RMS = 12.99

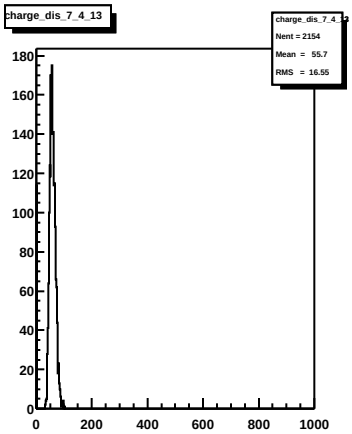

charge_dis_7_4_8
charge_dis_7_4_
Nent = 2154
Mean = 64.18
RMS = 11.72

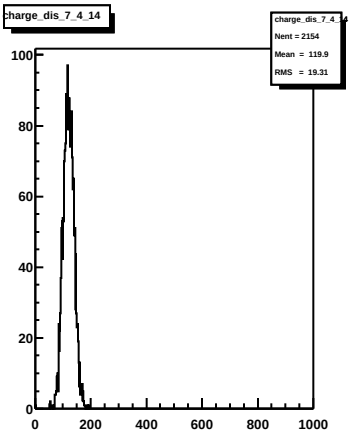

charge_dis_7_4_9
charge_dis_7_4_
Nent = 2154
Mean = 99.52
RMS = 12.41

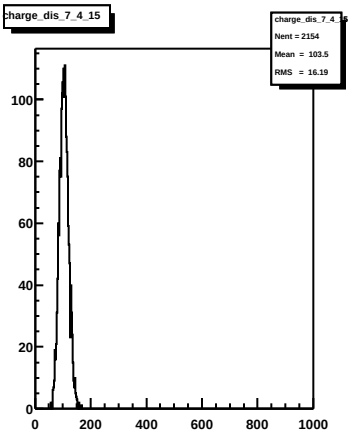

charge_dis_7_4_10
charge_dis_7_4_
Nent = 2154
Mean = 116.7
RMS = 17.6

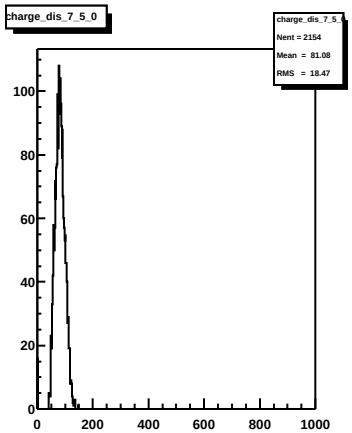

charge_dis_7_4_11
charge_dis_7_4_
Nent = 2154
Mean = 78.66
RMS = 15.79

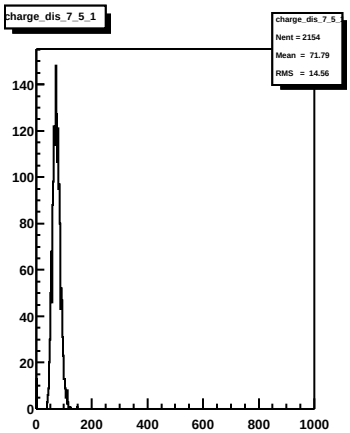

charge_dis_7_4_12
charge_dis_7_4_
Nent = 2154
Mean = 43.43
RMS = 21.19

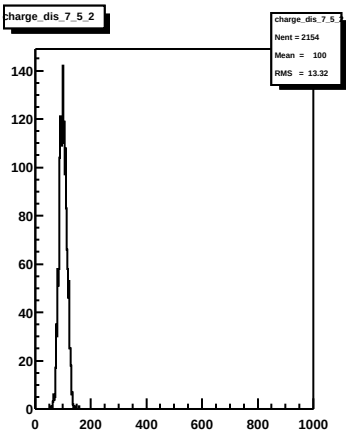

charge_dis_7_4_13
charge_dis_7_4_
Nent = 2154
Mean = 55.7
RMS = 16.55

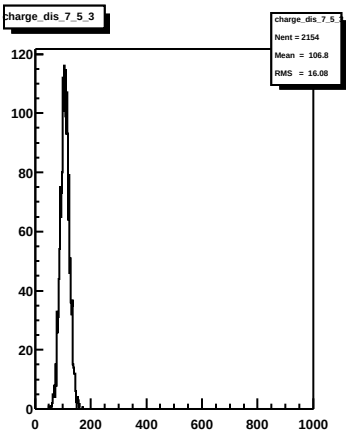

charge_dis_7_4_14
charge_dis_7_4_
Nent = 2154
Mean = 119.9
RMS = 19.31

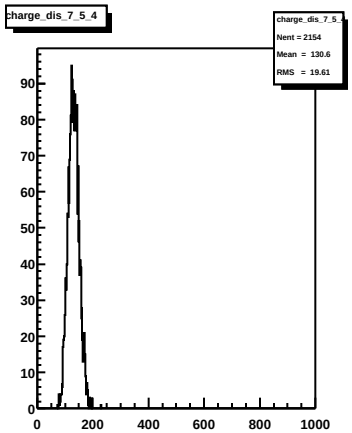

charge_dis_7_4_15
charge_dis_7_4_
Nent = 2154
Mean = 103.5
RMS = 16.19

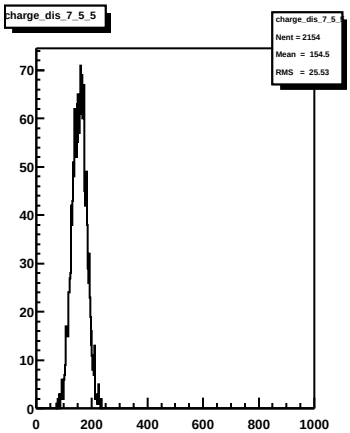

charge_dis_7_5_0
charge_dis_7_5_
Nent = 2154
Mean = 81.08
RMS = 18.47

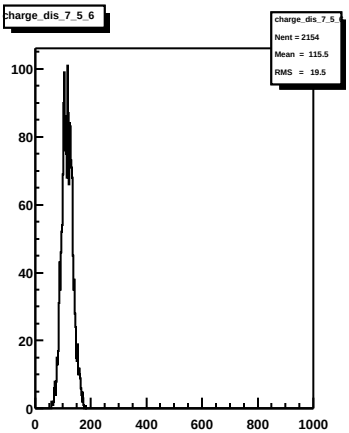

charge_dis_7_5_1
charge_dis_7_5_
Nent = 2154
Mean = 71.79
RMS = 14.56

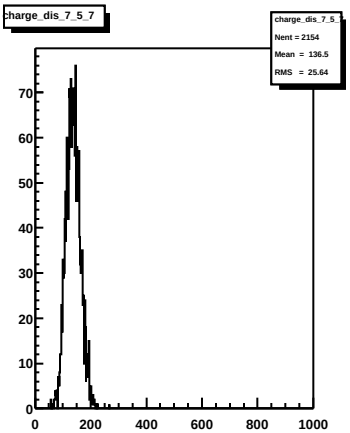

charge_dis_7_5_2
charge_dis_7_5_
Nent = 2154
Mean = 100
RMS = 13.32

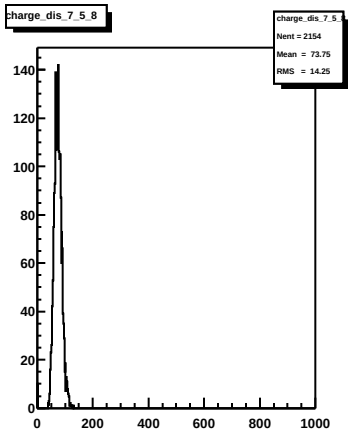

charge_dis_7_5_3
charge_dis_7_5_
Nent = 2154
Mean = 106.8
RMS = 16.08


charge_dis_7_5_4
charge_dis_7_5_
Nent = 2154
Mean = 130.6
RMS = 19.61


charge_dis_7_5_5
charge_dis_7_5_
Nent = 2154
Mean = 154.5
RMS = 25.53


charge_dis_7_5_6
charge_dis_7_5_
Nent = 2154
Mean = 115.5
RMS = 19.5


charge_dis_7_5_7
charge_dis_7_5_
Nent = 2154
Mean = 136.5
RMS = 25.64


charge_dis_7_5_8
charge_dis_7_5_
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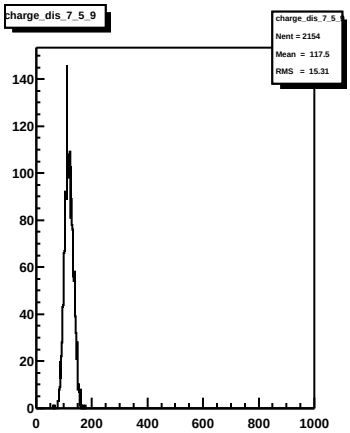
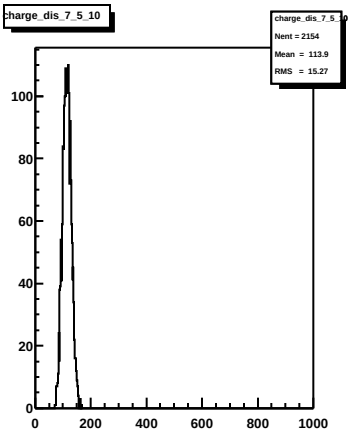
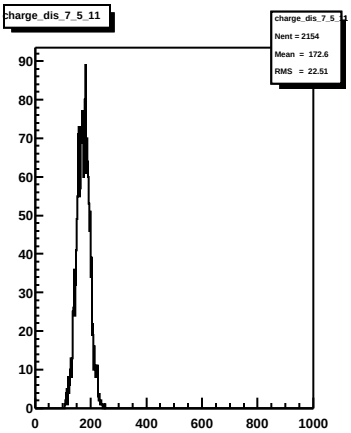
Mean = 73.75
RMS = 14.25


charge_dis_7_5_9
charge_dis_7_5_
Nent = 2154
Mean = 117.5
RMS = 15.31


charge_dis_7_5_10
charge_dis_7_5_
Nent = 2154
Mean = 113.9
RMS = 15.27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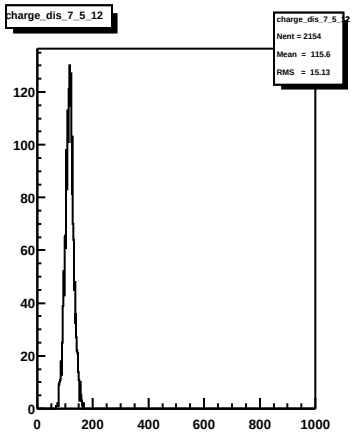
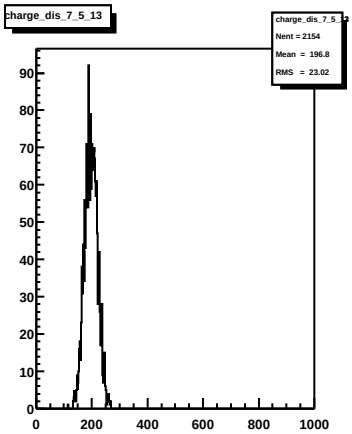
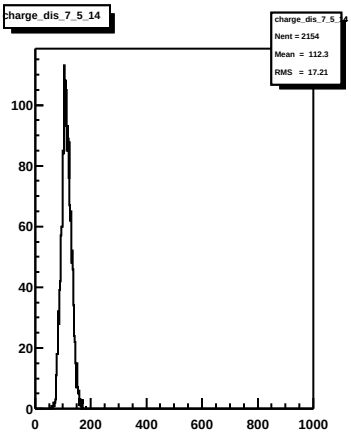
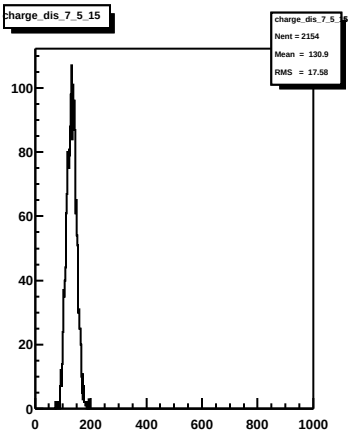
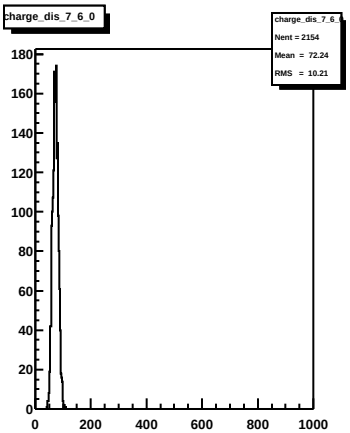
charge_dis_7_5_
Nent = 2154
Mean = 172.6
RMS = 22.51

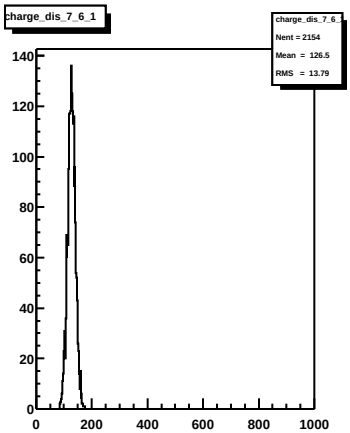

charge_dis_7_5_12
charge_dis_7_5_
Nent = 2154
Mean = 115.6
RMS = 15.13

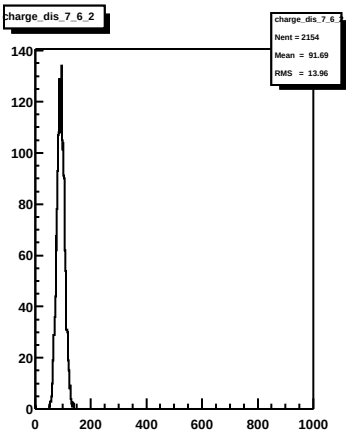

charge_dis_7_5_13
charge_dis_7_5_
Nent = 2154
Mean = 196.8
RMS = 23.02

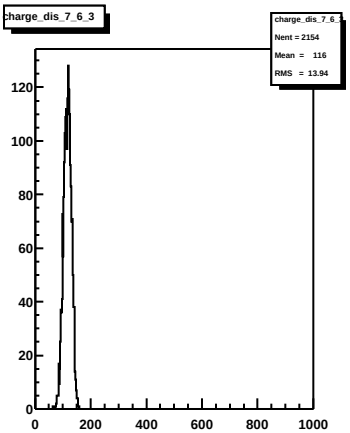

charge_dis_7_5_14
charge_dis_7_5_
Nent = 2154
Mean = 112.3
RMS = 17.21

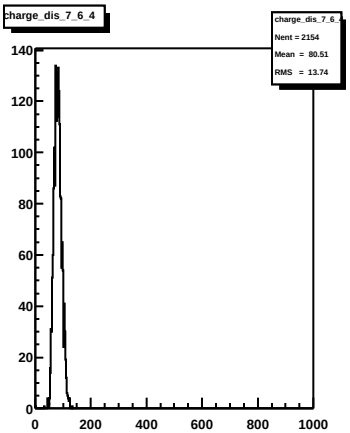

charge_dis_7_5_15
charge_dis_7_5_
Nent = 2154
Mean = 130.9
RMS = 17.58

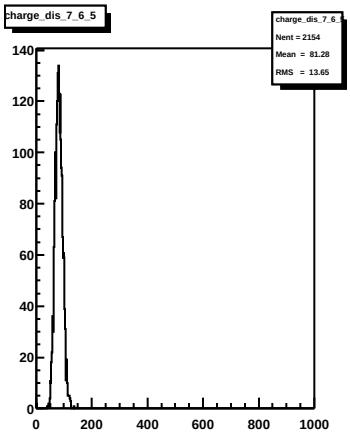

charge_dis_7_6_0
charge_dis_7_6_
Nent = 2154
Mean = 72.24
RMS = 10.21

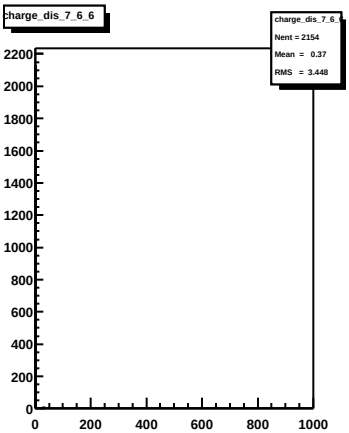

charge_dis_7_6_1
charge_dis_7_6_
Nent = 2154
Mean = 126.5
RMS = 13.79


charge_dis_7_6_2
charge_dis_7_6_
Nent = 2154
Mean = 91.69
RMS = 13.96


charge_dis_7_6_3
charge_dis_7_6_
Nent = 2154
Mean = 116
RMS = 13.94


charge_dis_7_6_4
charge_dis_7_6_
Nent = 2154
Mean = 80.51
RMS = 13.74


charge_dis_7_6_5
charge_dis_7_6_
Nent = 2154
Mean = 81.28
RMS = 13.65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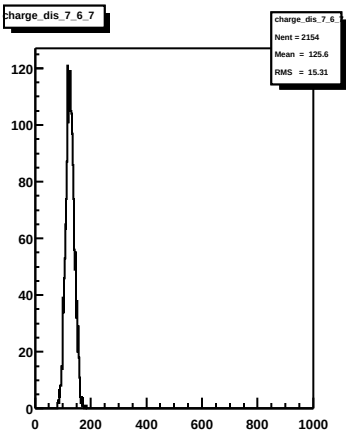
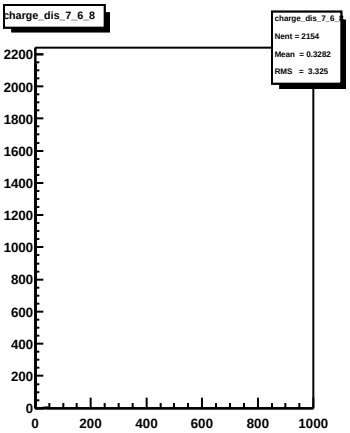
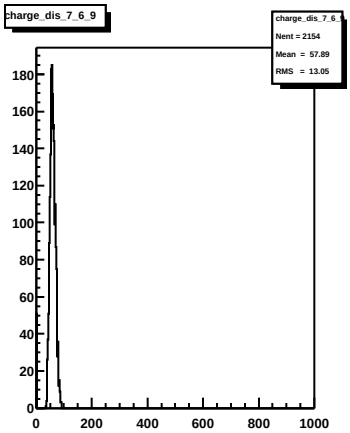
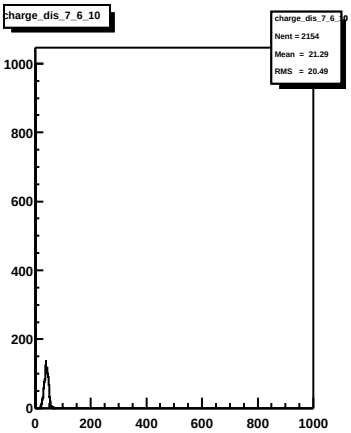
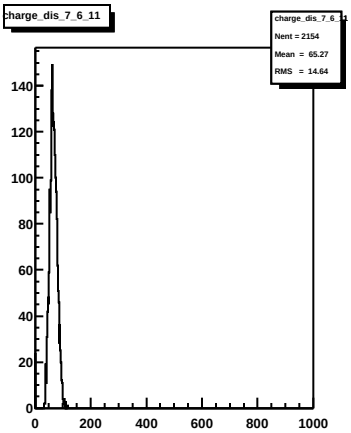
charge_dis_7_6_
Nent = 2154
Mean = 0.37
RMS = 3.448

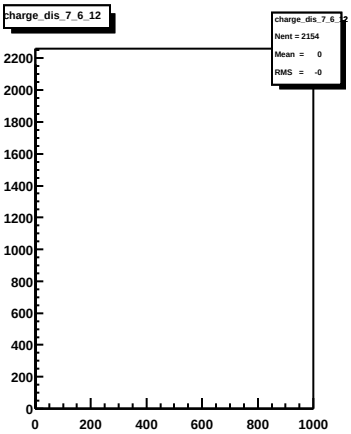

charge_dis_7_6_7
charge_dis_7_6_
Nent = 2154
Mean = 125.6
RMS = 15.31

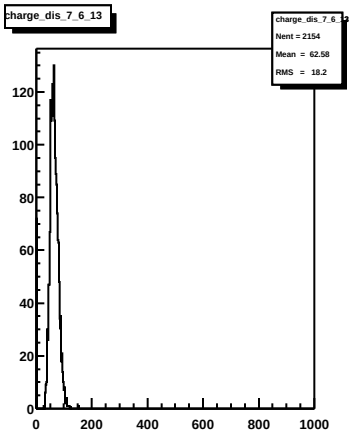

charge_dis_7_6_8
charge_dis_7_6_
Nent = 2154
Mean = 0.3282
RMS = 3.325

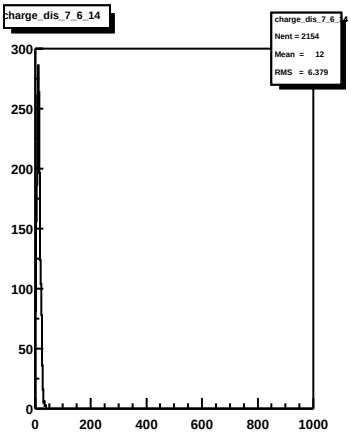

charge_dis_7_6_9
charge_dis_7_6_
Nent = 2154
Mean = 57.89
RMS = 13.05

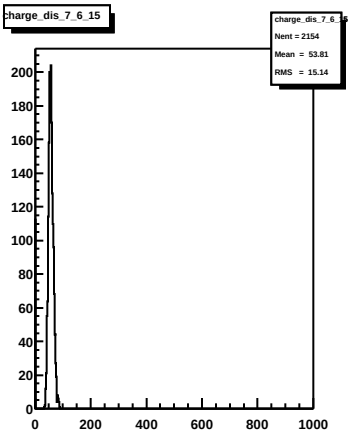

charge_dis_7_6_10
Nent = 2154
Mean = 21.29
RMS = 20.49

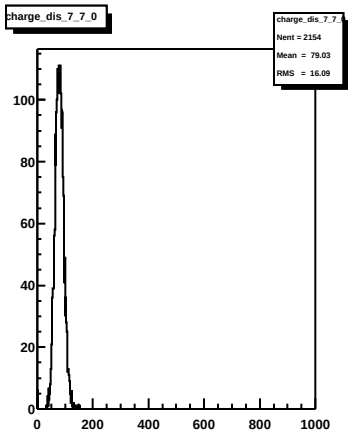

charge_dis_7_6_11
charge_dis_7_6_
Nent = 2154
Mean = 65.27
RMS = 14.64

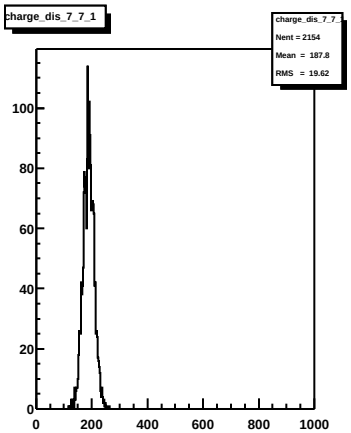

charge_dis_7_6_12
Nent = 2154
Mean = 0
RMS = -0

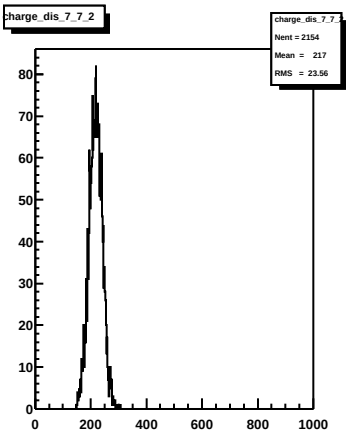

charge_dis_7_6_13
charge_dis_7_6_
Nent = 2154
Mean = 62.58
RMS = 18.2

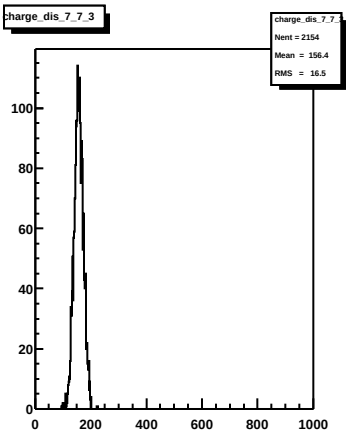

charge_dis_7_6_14
Nent = 2154
Mean = 12
RMS = 6.379

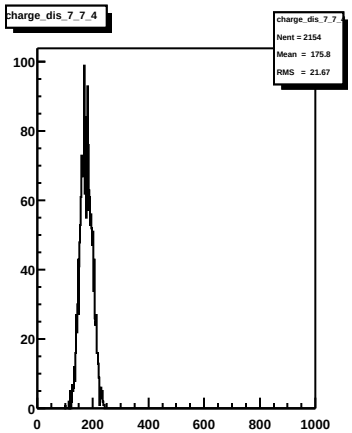

charge_dis_7_6_15
Nent = 2154
Mean = 53.81
RMS = 15.14


charge_dis_7_7_0
charge_dis_7_7_
Nent = 2154
Mean = 79.03
RMS = 16.09


charge_dis_7_7_1
charge_dis_7_7_
Nent = 2154
Mean = 187.8
RMS = 19.62


charge_dis_7_7_2
charge_dis_7_7_
Nent = 2154
Mean = 217
RMS = 23.56


charge_dis_7_7_3
charge_dis_7_7_
Nent = 2154
Mean = 156.4
RMS = 16.5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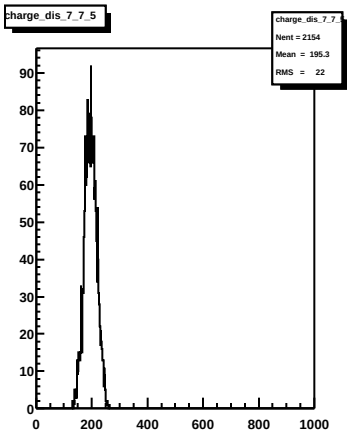
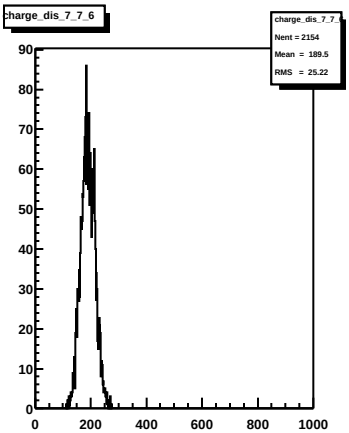
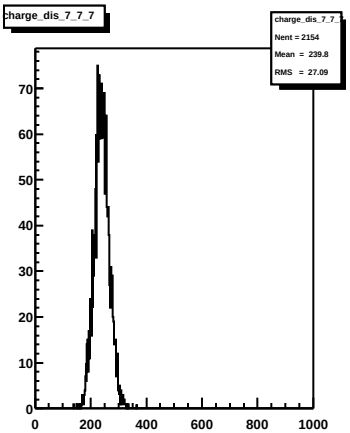
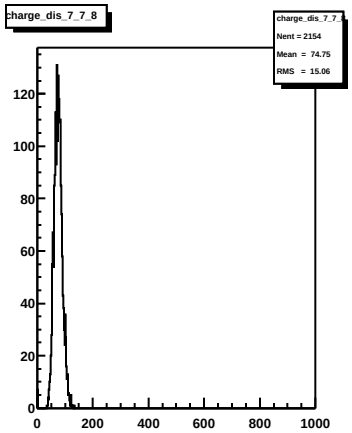
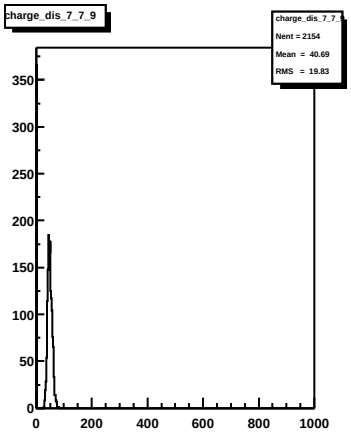
charge_dis_7_7_
Nent = 2154
Mean = 175.8
RMS = 21.67

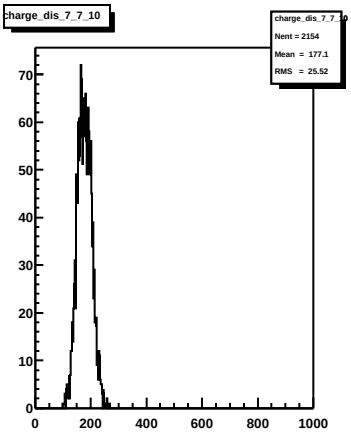

charge_dis_7_7_5
charge_dis_7_7_
Nent = 2154
Mean = 195.3
RMS = 22

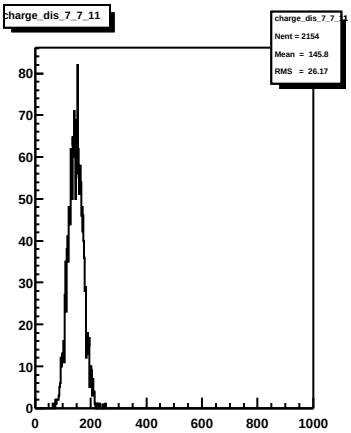

charge_dis_7_7_6
charge_dis_7_7_
Nent = 2154
Mean = 189.5
RMS = 25.22


charge_dis_7_7_7
charge_dis_7_7_
Nent = 2154
Mean = 239.8
RMS = 27.09


charge_dis_7_7_8
charge_dis_7_7_
Nent = 2154
Mean = 74.75
RMS = 15.06


charge_dis_7_7_9
charge_dis_7_7_
Nent = 2154
Mean = 40.69
RMS = 19.83


charge_dis_7_7_10
charge_dis_7_7_
Nent = 2154
Mean = 177.1
RMS = 25.52


charge_dis_7_7_11
charge_dis_7_7_
Nent = 2154
Mean = 145.8
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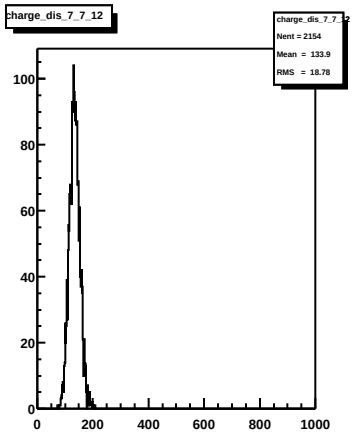
charge_dis_7_7_12
charge_dis_7_7_
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Mean = 133.9
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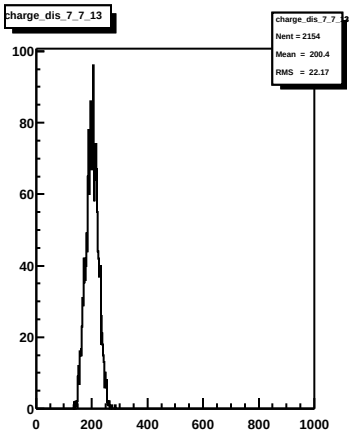
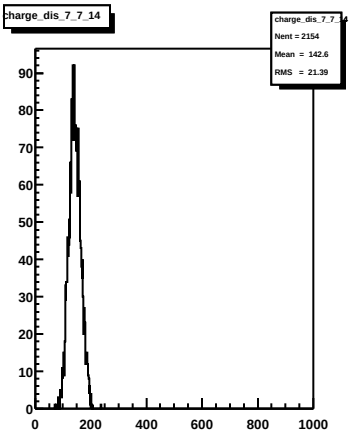
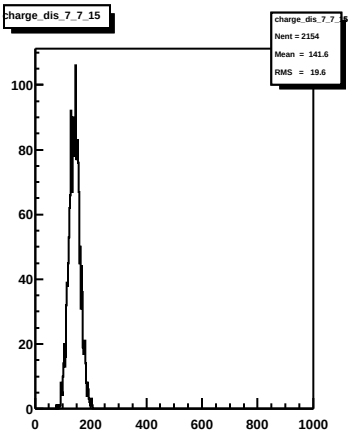
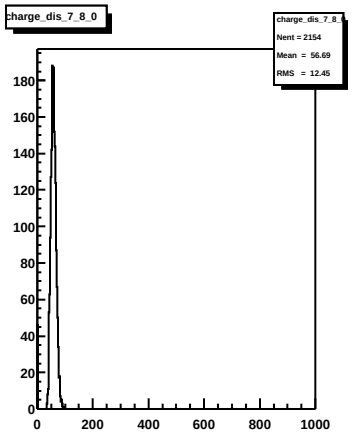

charge_dis_7_7_13
charge_dis_7_7_
Nent = 2154
Mean = 200.4
RMS = 22.17


charge_dis_7_7_14
charge_dis_7_7_
Nent = 2154
Mean = 142.6
RMS = 21.39


charge_dis_7_7_15
charge_dis_7_7_
Nent = 2154
Mean = 141.6
RMS = 19.6


charge_dis_7_8_0
charge_dis_7_8_
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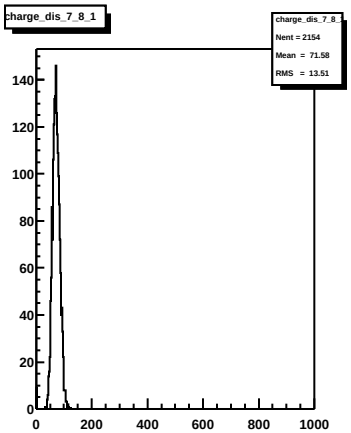
Mean = 56.69
RMS = 12.45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charge_dis_7_8_
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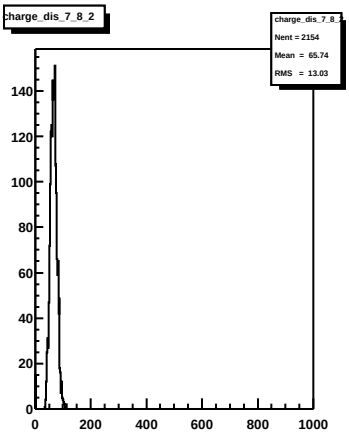
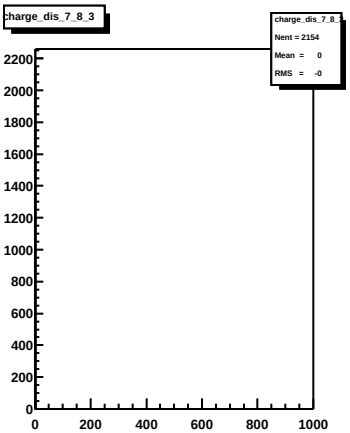
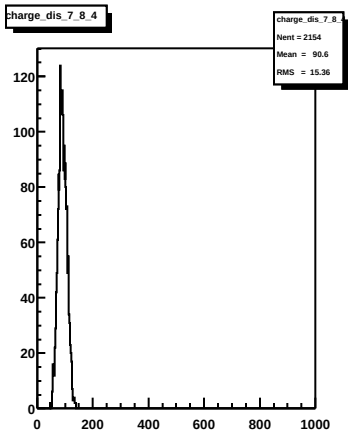
Mean = 71.58
RMS = 13.51


charge_dis_7_8_2
charge_dis_7_8_
Nent = 2154
Mean = 65.74
RMS = 13.03


charge_dis_7_8_3
charge_dis_7_8_
Nent = 2154
Mean = 0
RMS = -0


charge_dis_7_8_4
charge_dis_7_8_
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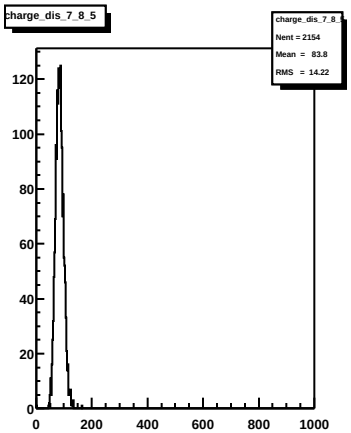
Mean = 90.6
RMS = 15.36


charge_dis_7_8_5
charge_dis_7_8_
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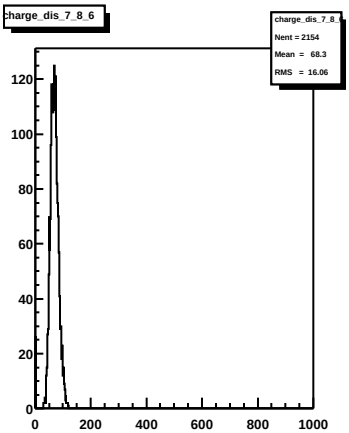
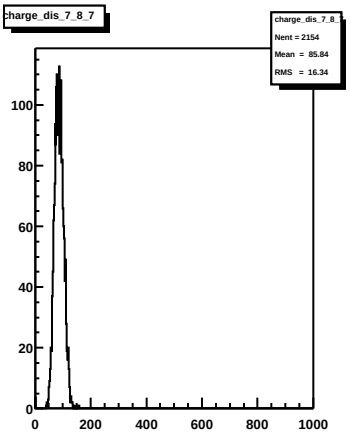
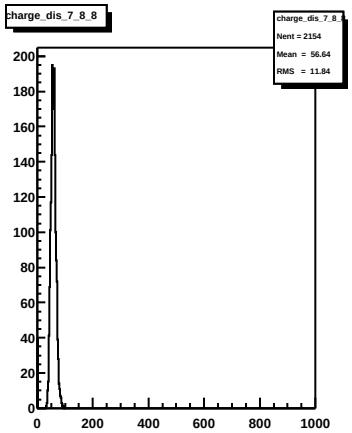
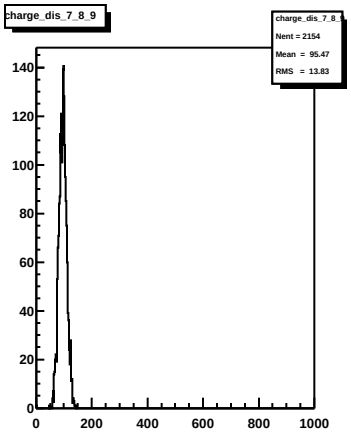
Mean = 83.8
RMS = 14.22


charge_dis_7_8_6
charge_dis_7_8_
Nent = 2154
Mean = 68.3
RMS = 16.06


charge_dis_7_8_7
charge_dis_7_8_
Nent = 2154
Mean = 85.84
RMS = 16.34


charge_dis_7_8_8
charge_dis_7_8_
Nent = 2154
Mean = 56.64
RMS = 11.84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charge_dis_7_8_
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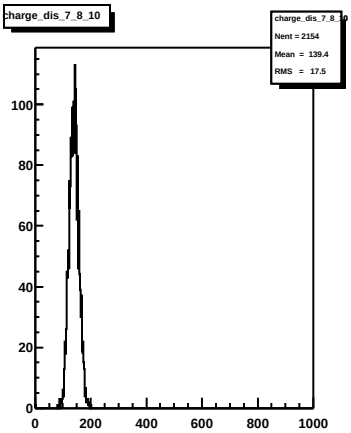
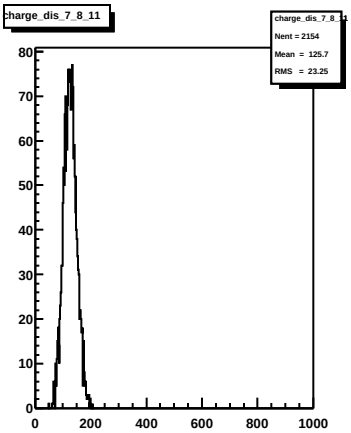
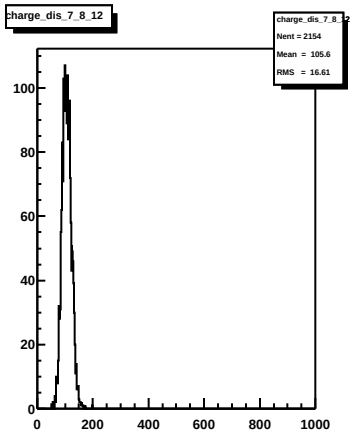
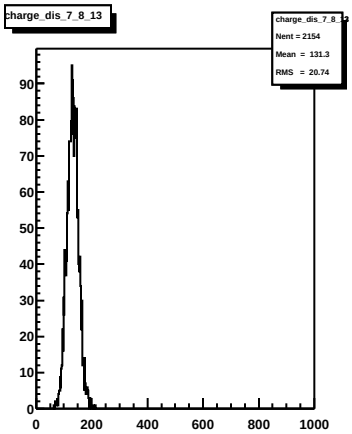
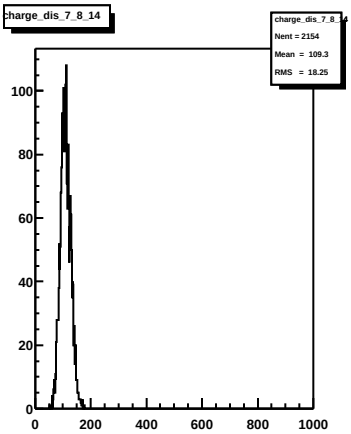
RMS = 13.83

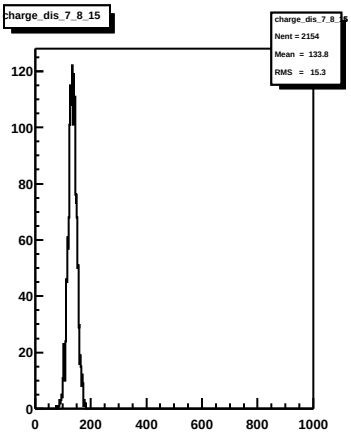

charge_dis_7_8_10
charge_dis_7_8_
Nent = 2154
Mean = 139.4
RMS = 17.5

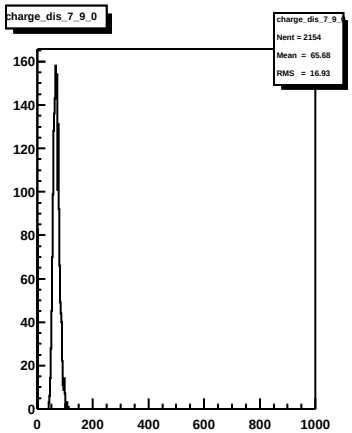

charge_dis_7_8_11
charge_dis_7_8_
Nent = 2154
Mean = 125.7
RMS = 23.25


charge_dis_7_8_12
charge_dis_7_8_
Nent = 2154
Mean = 105.6
RMS = 16.61


charge_dis_7_8_13
charge_dis_7_8_
Nent = 2154
Mean = 131.3
RMS = 20.74


charge_dis_7_8_14
charge_dis_7_8_
Nent = 2154
Mean = 109.3
RMS = 18.25


charge_dis_7_8_15
charge_dis_7_8_
Nent = 2154
Mean = 133.8
RMS = 15.3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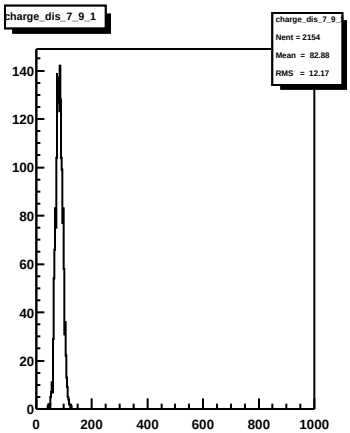
charge_dis_7_9_
Nent = 2154
Mean = 65.68
RMS = 16.93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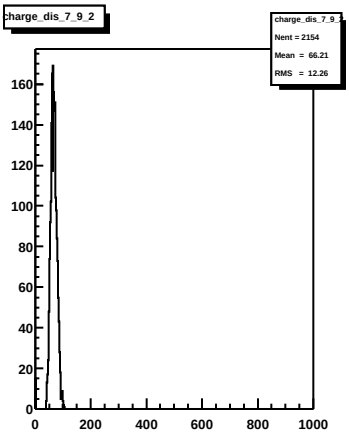
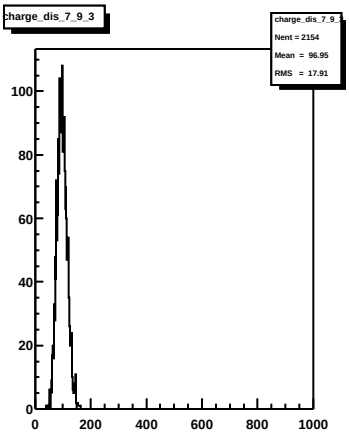
charge_dis_7_9_
Nent = 2154
Mean = 82.88
RMS = 12.17


charge_dis_7_9_2
charge_dis_7_9_
Nent = 2154
Mean = 66.21
RMS = 12.26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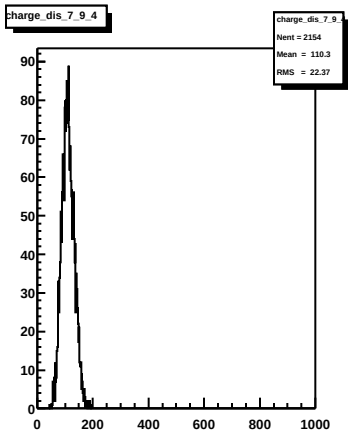
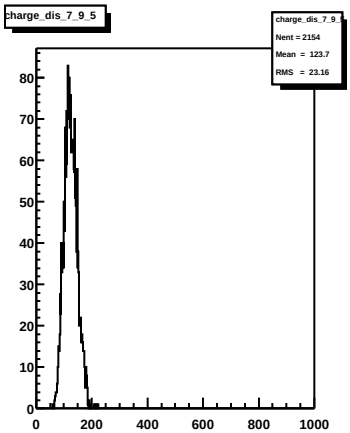
charge_dis_7_9_
Nent = 2154
Mean = 96.95
RMS = 17.91


charge_dis_7_9_4
charge_dis_7_9_
Nent = 2154
Mean = 110.3
RMS = 22.37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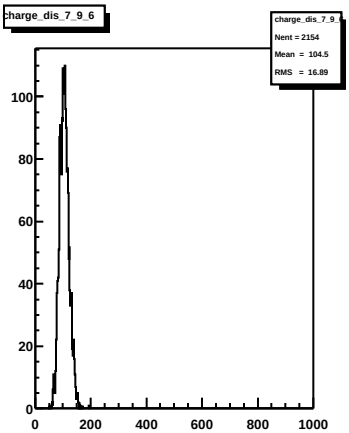
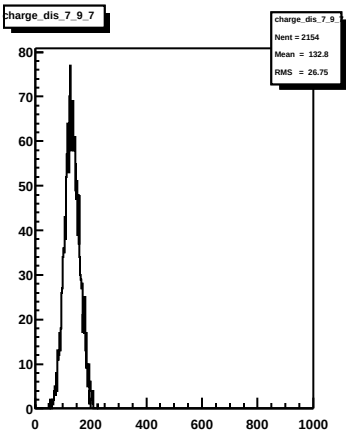
charge_dis_7_9_
Nent = 2154
Mean = 123.7
RMS = 23.16


charge_dis_7_9_6
charge_dis_7_9_
Nent = 2154
Mean = 104.5
RMS = 16.89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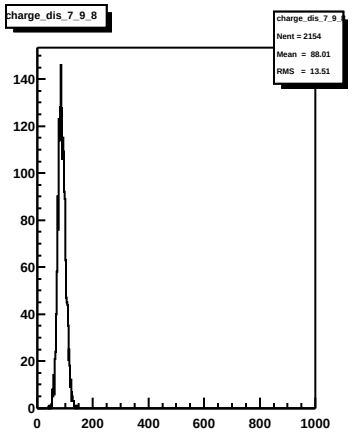
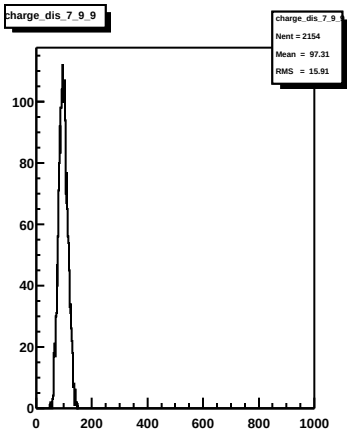
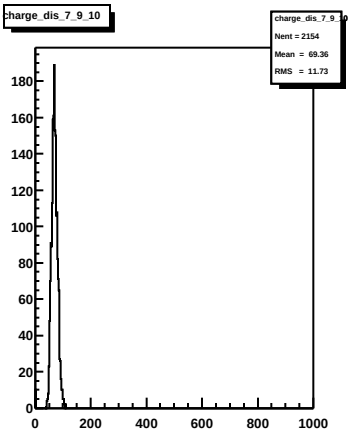
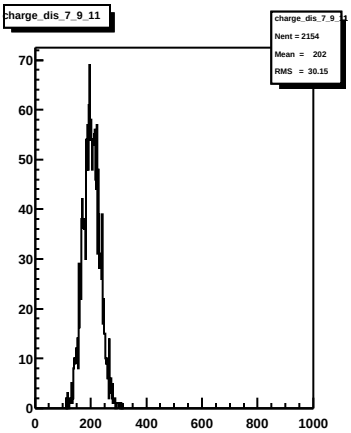
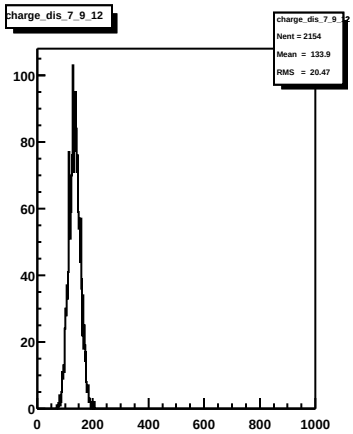
charge_dis_7_9_
Nent = 2154
Mean = 132.8
RMS = 26.75

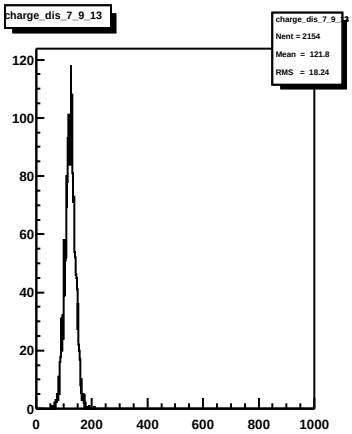

charge_dis_7_9_8
charge_dis_7_9_
Nent = 2154
Mean = 88.01
RMS = 13.51


charge_dis_7_9_9
charge_dis_7_9_
Nent = 2154
Mean = 97.31
RMS = 15.91


charge_dis_7_9_10
charge_dis_7_9_
Nent = 2154
Mean = 69.36
RMS = 11.73


charge_dis_7_9_11
charge_dis_7_9_
Nent = 2154
Mean = 202
RMS = 30.15


charge_dis_7_9_12
charge_dis_7_9_
Nent = 2154
Mean = 133.9
RMS = 20.47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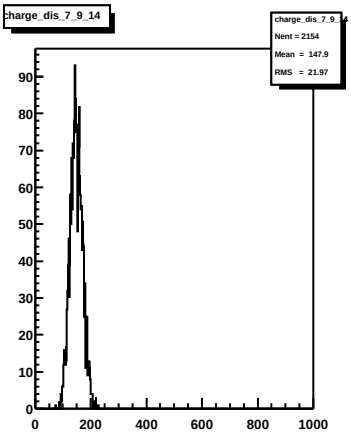
Mean = 121.8
RMS = 18.24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charge_dis_7_9_
Nent = 2154
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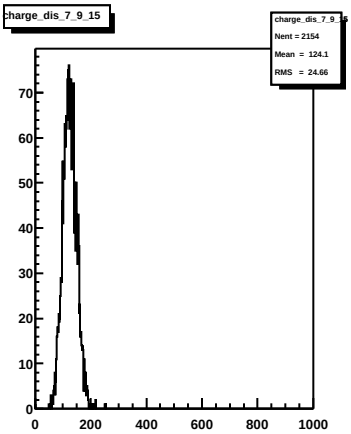
RMS = 21.97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charge_dis_7_9_
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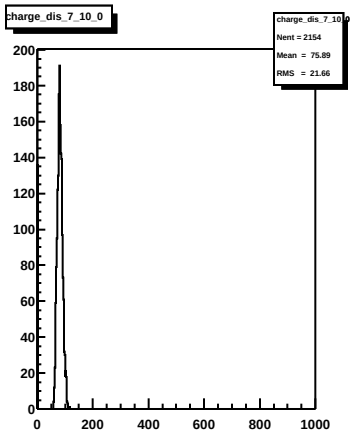
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charge_dis_7_10_0
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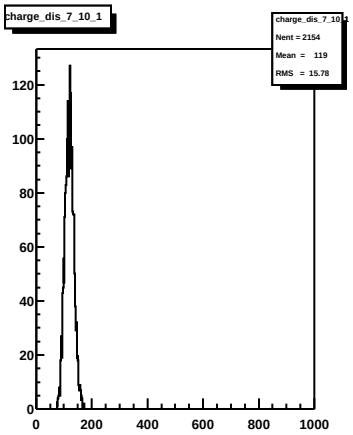
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charge_dis_7_10_1
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Mean = 119
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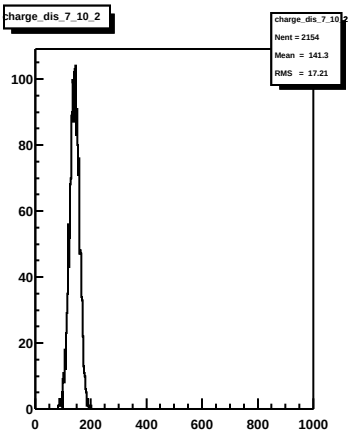
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charge_dis_7_10_2
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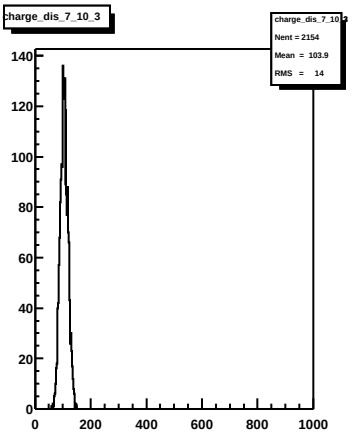
RMS = 17.21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charge_dis_7_10_3
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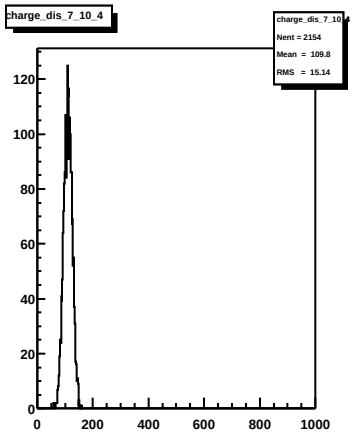
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charge_dis_7_10_4
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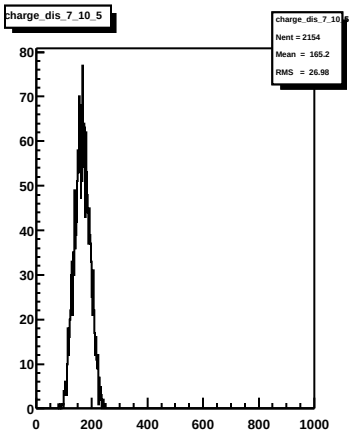
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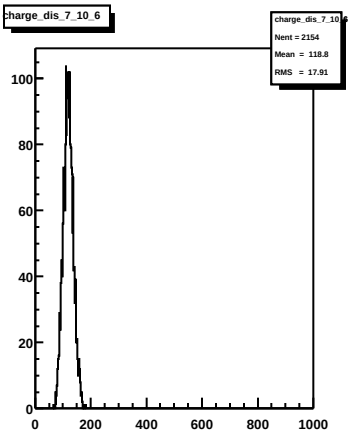
charge_dis_7_10_6
charge_dis_7_10_6
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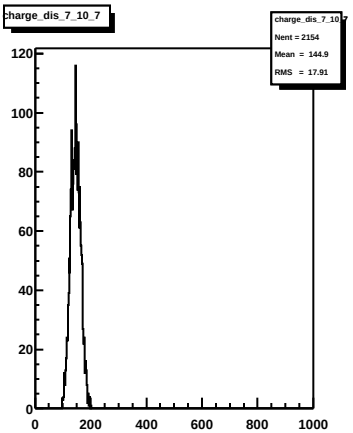
Mean = 118.8
RMS = 17.91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charge_dis_7_10_7
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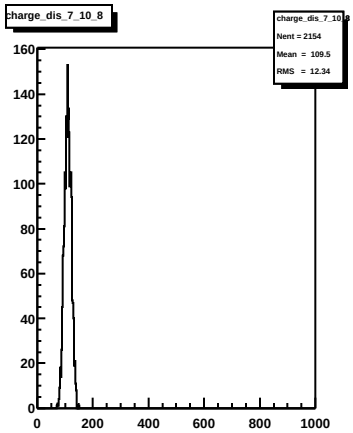
RMS = 17.91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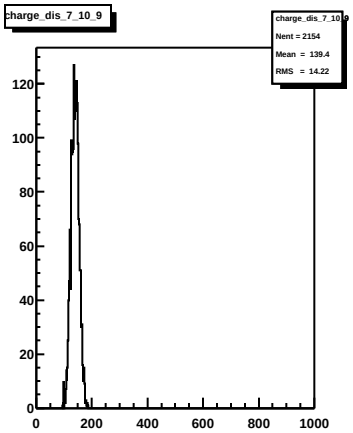
charge_dis_7_10_8
Nent = 2154
Mean = 109.5
RMS = 12.34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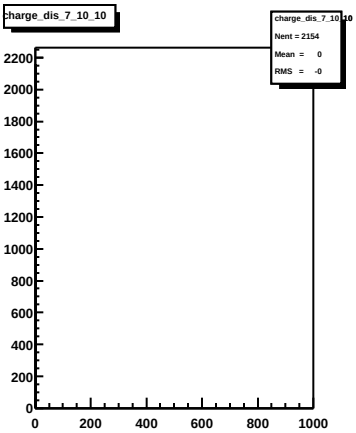
RMS = 14.22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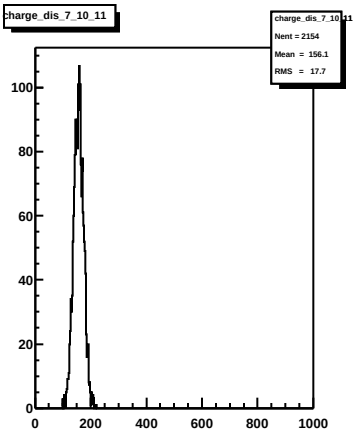
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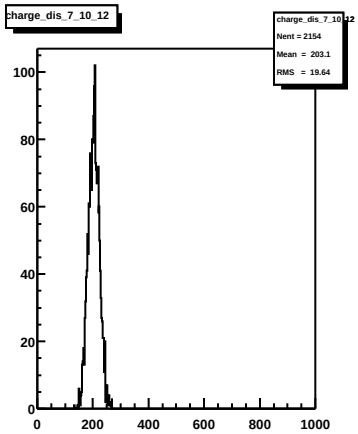
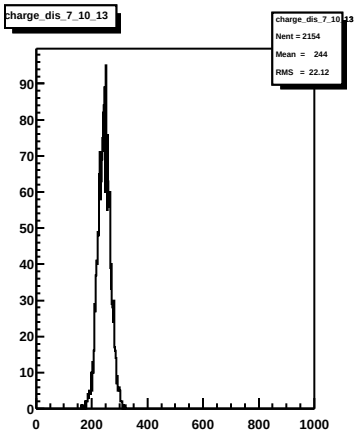

charge_dis_7_10_12
charge_dis_7_10_12
Nent = 2154
Mean = 203.1
RMS = 19.64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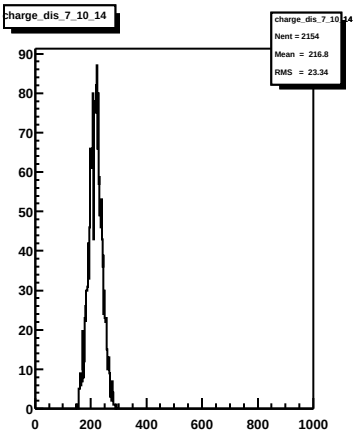
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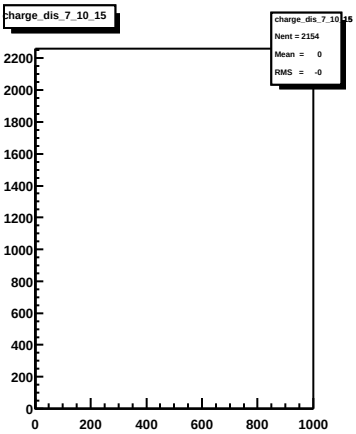
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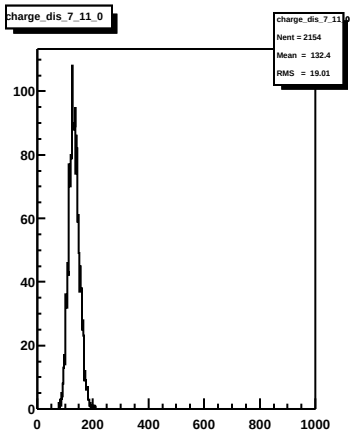
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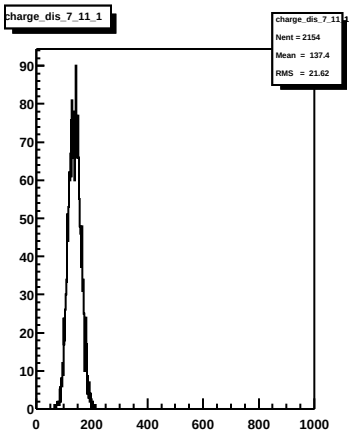
RMS = 19.01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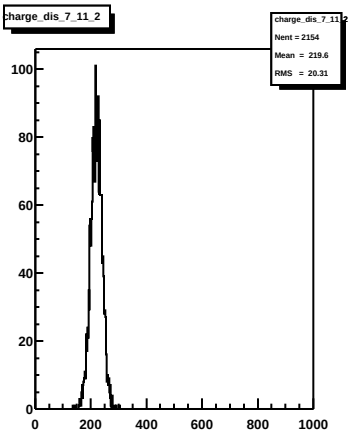
RMS = 21.62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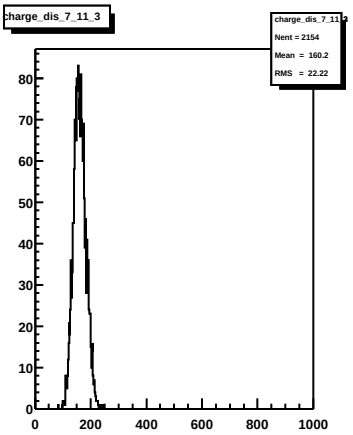
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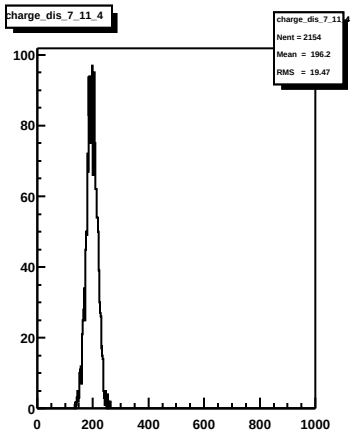
RMS = 22.22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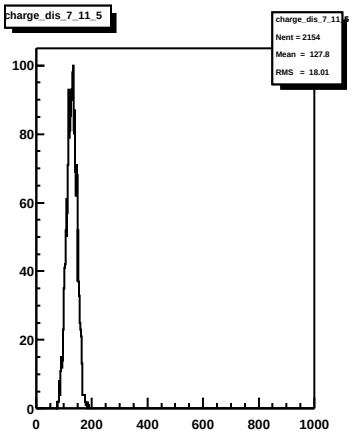
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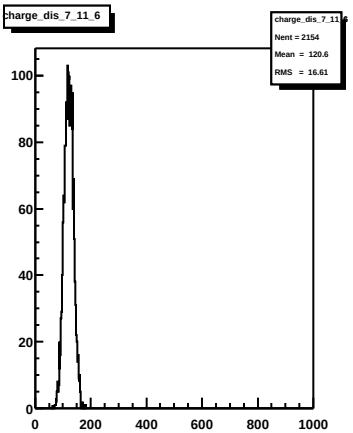
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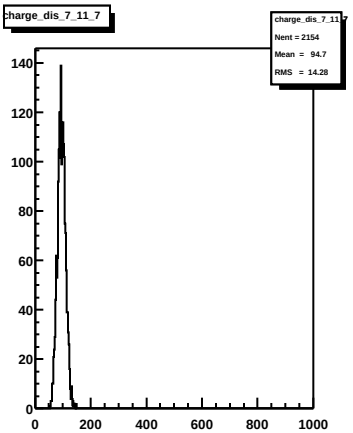
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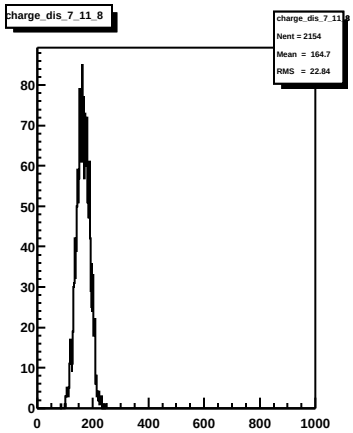
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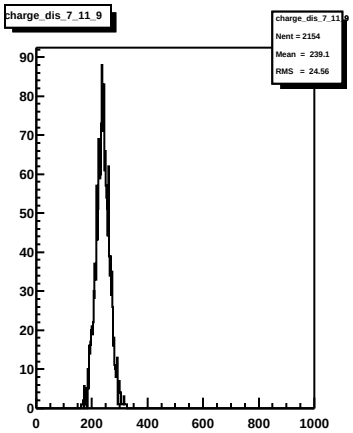
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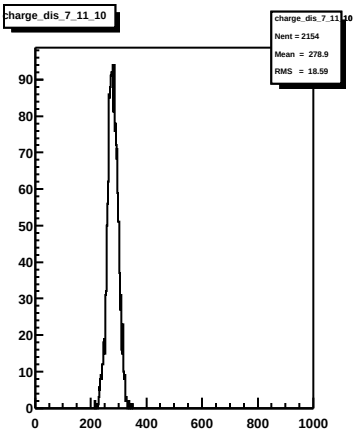
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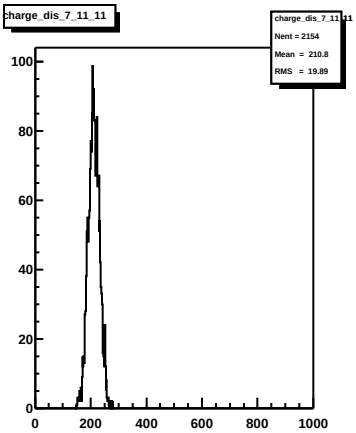
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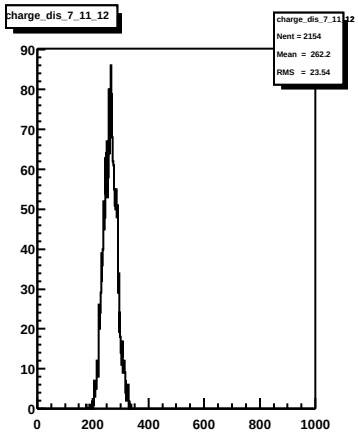
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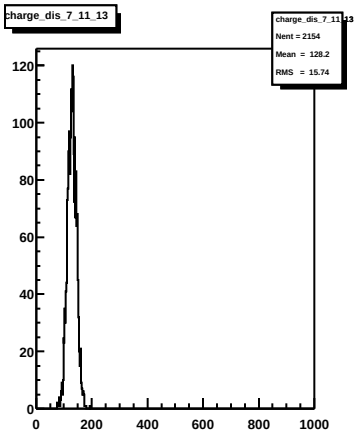
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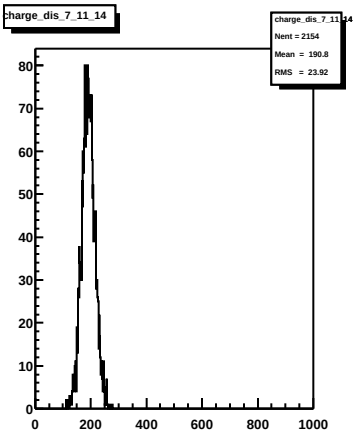
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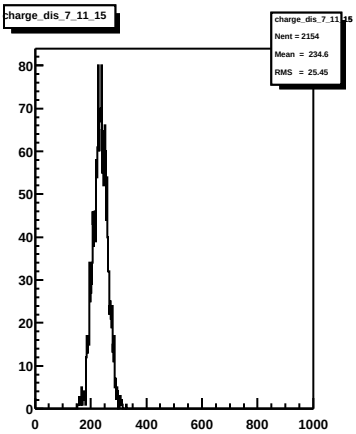
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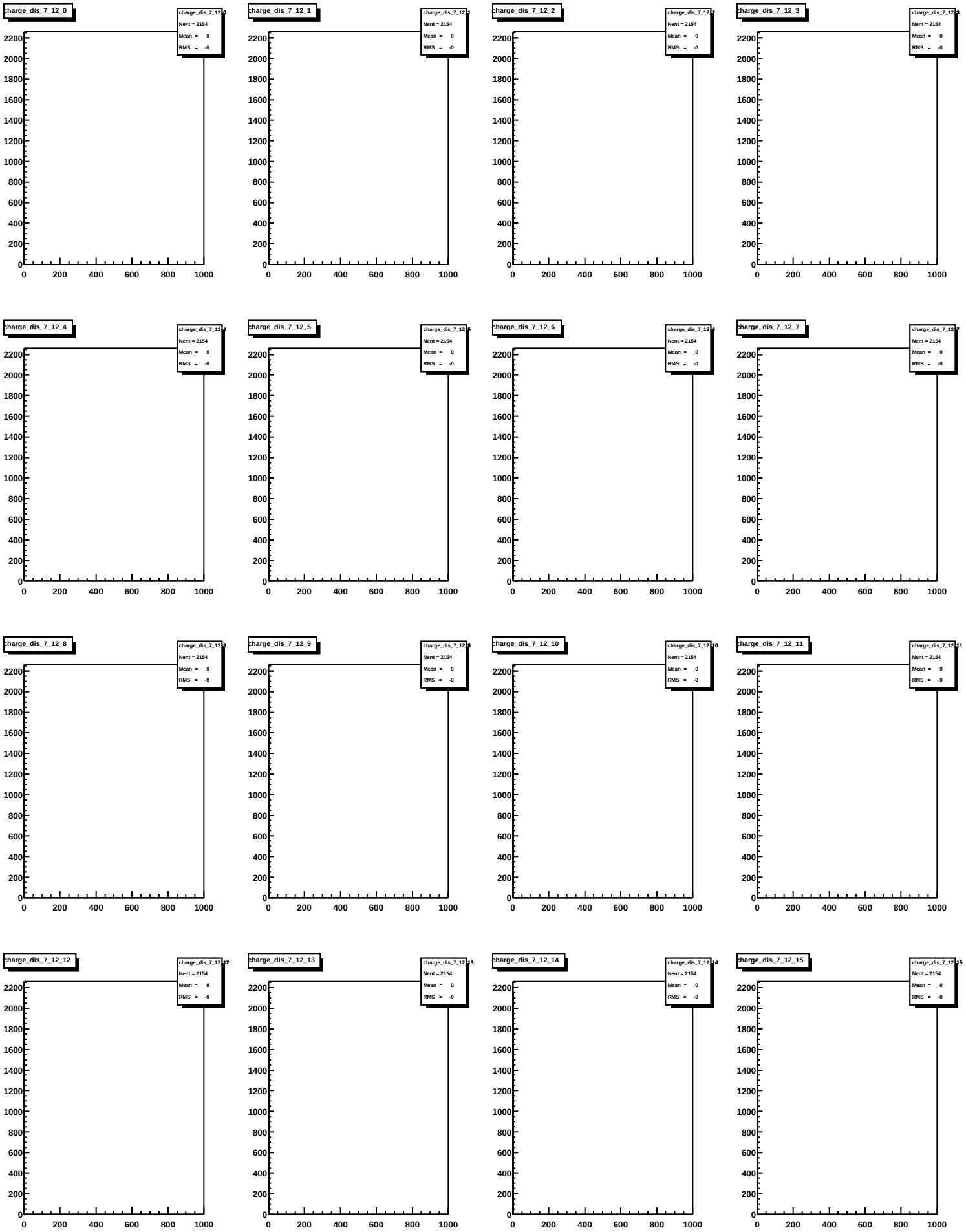
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charge_dis_7_12_12
charge_dis_7_12_13
charge_dis_7_12_14
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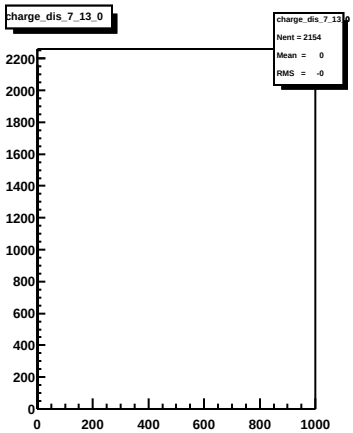
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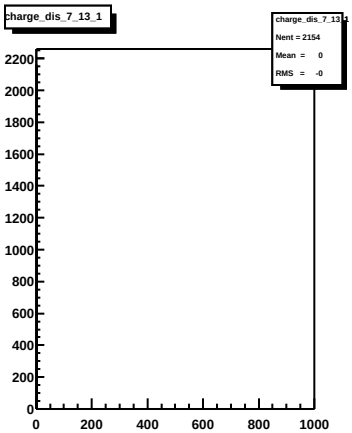
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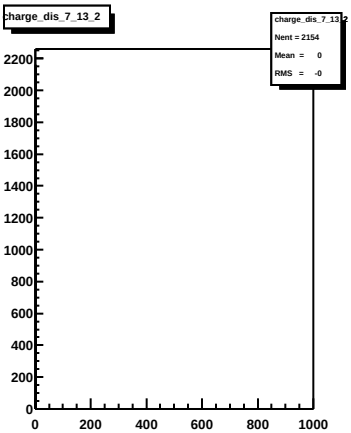
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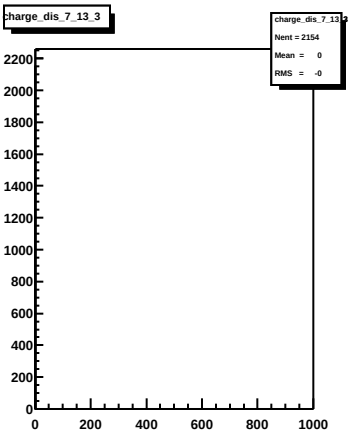
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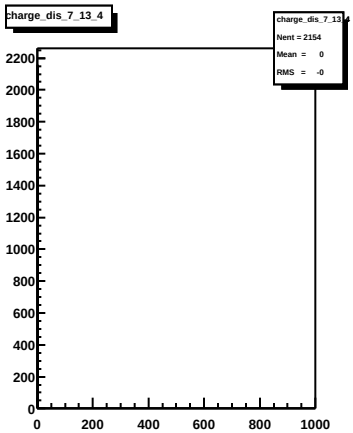
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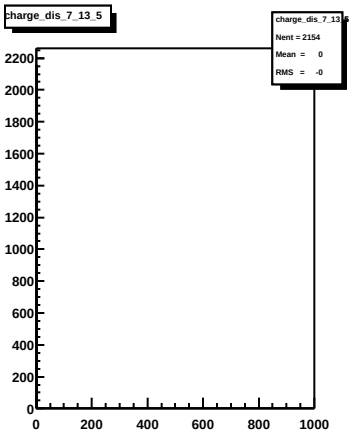
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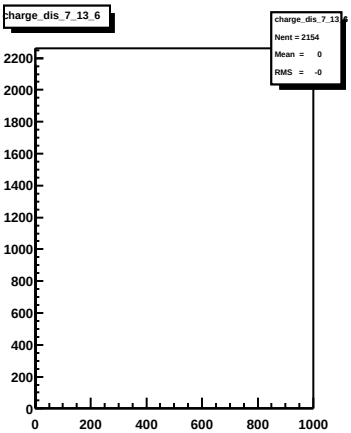
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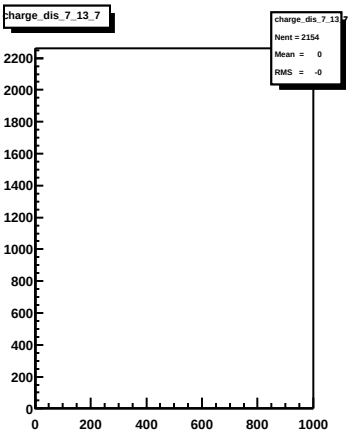
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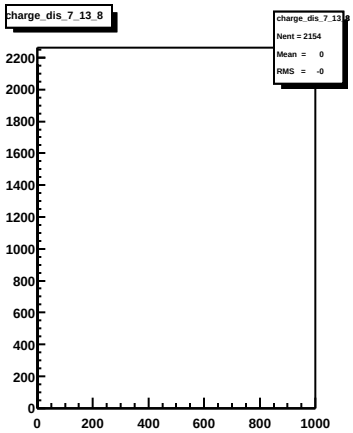
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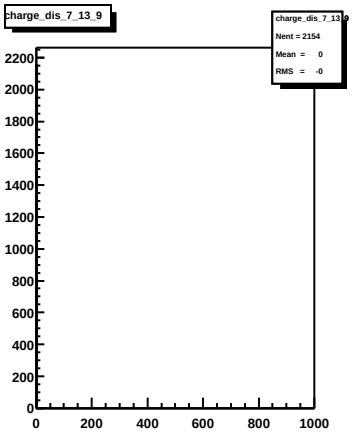
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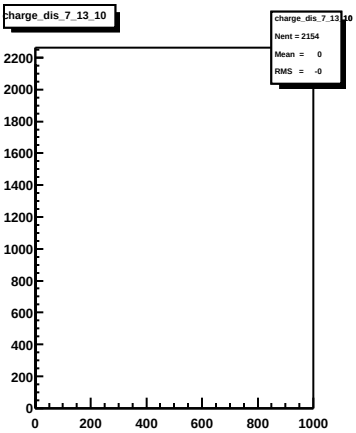
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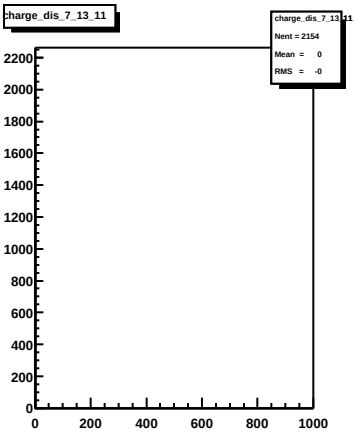
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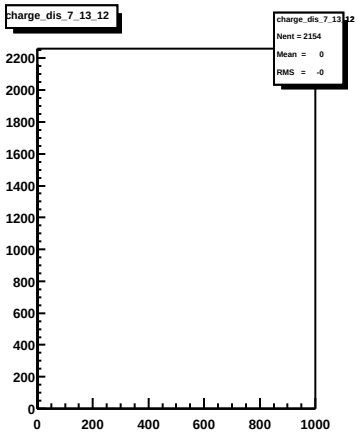
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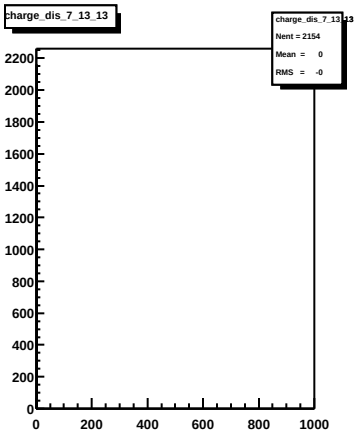
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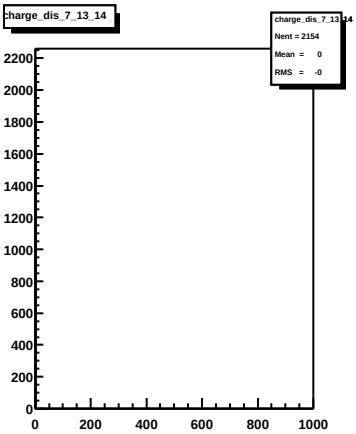
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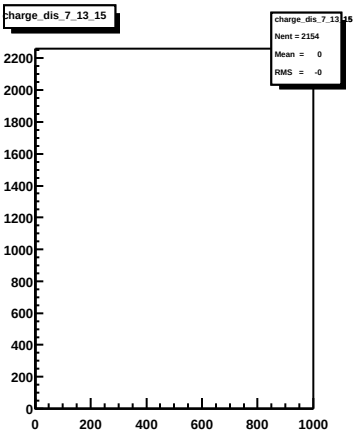
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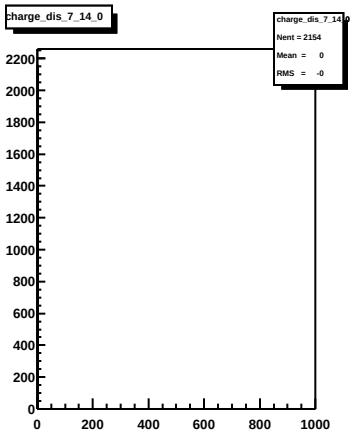
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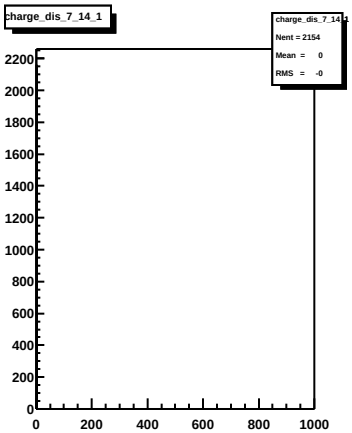
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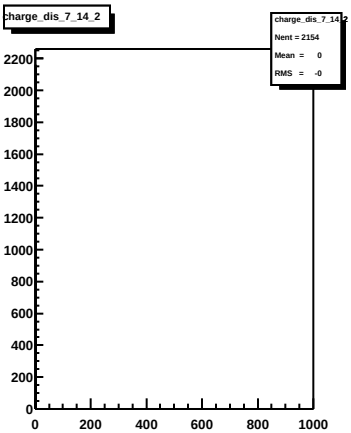
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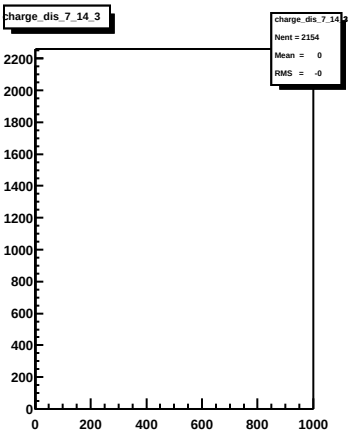
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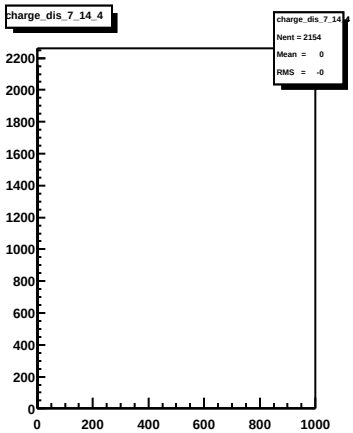
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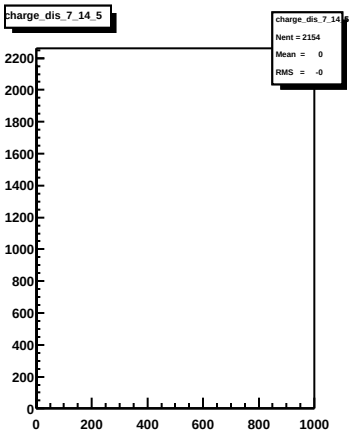
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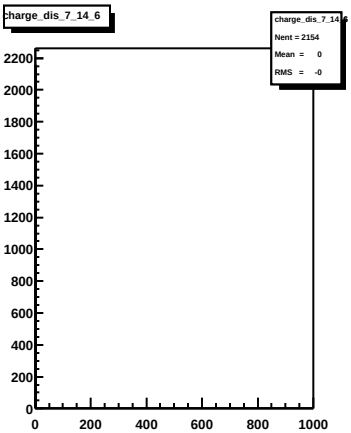
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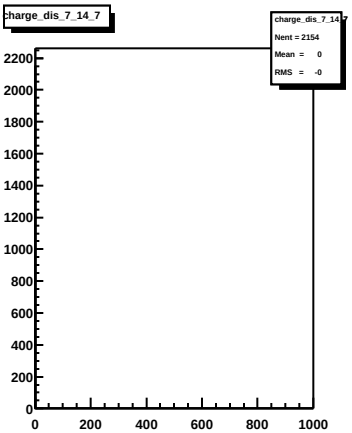
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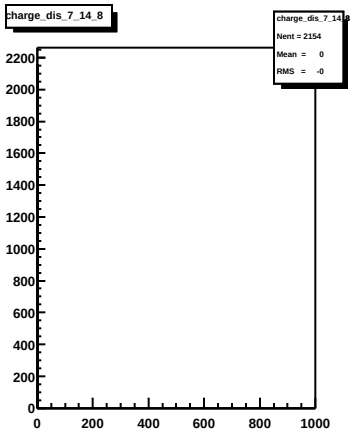
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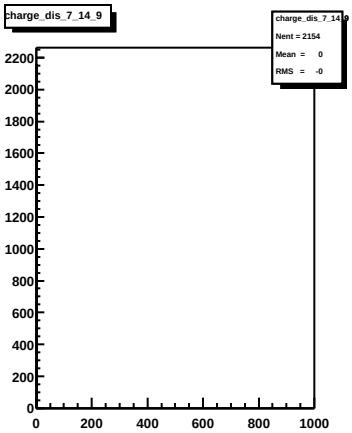
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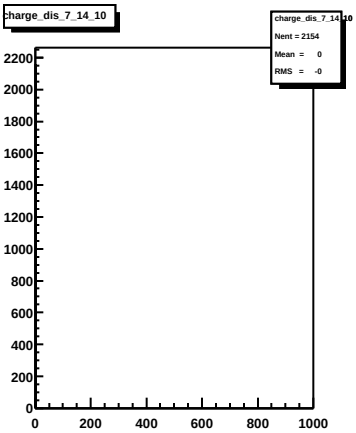
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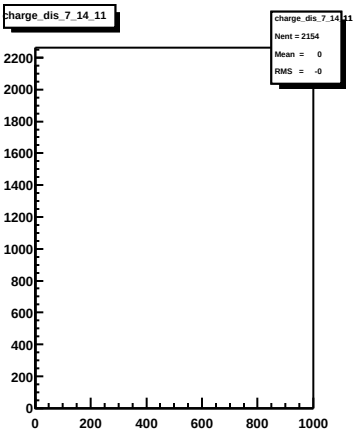
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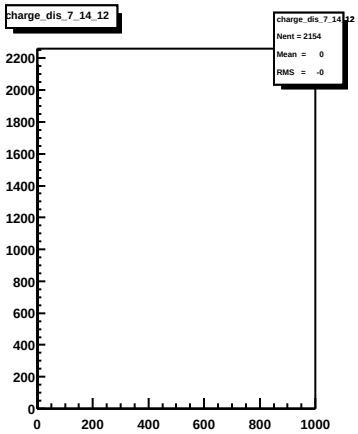
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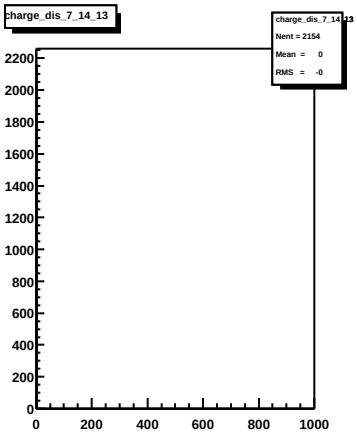
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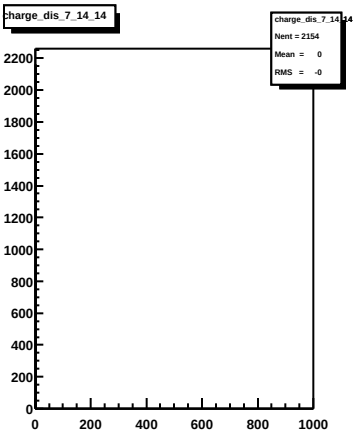
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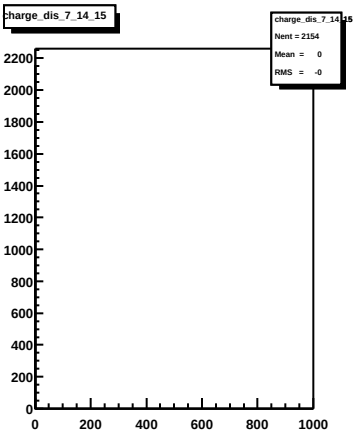
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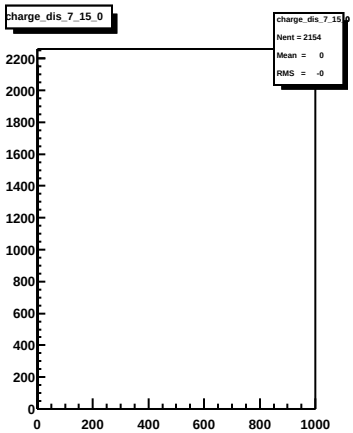
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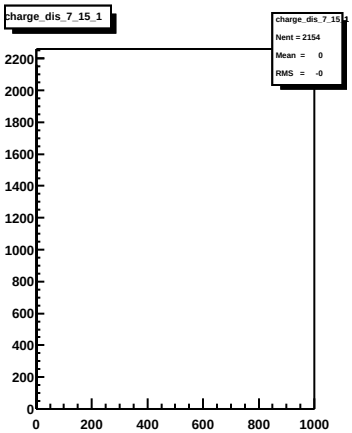
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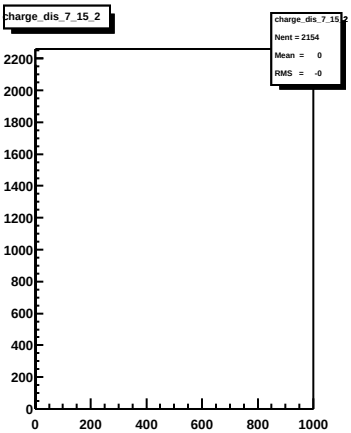
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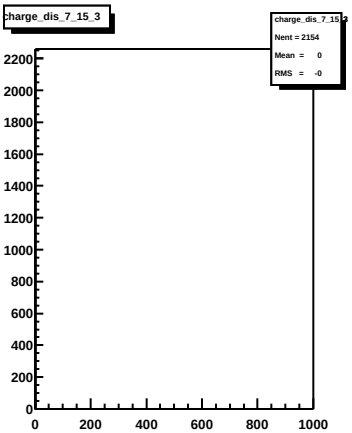
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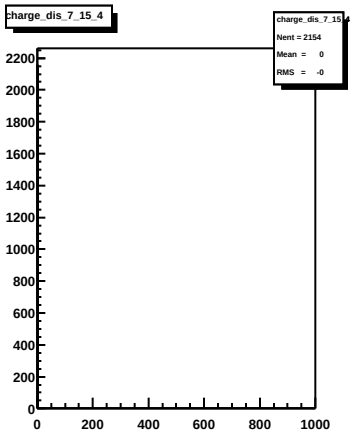
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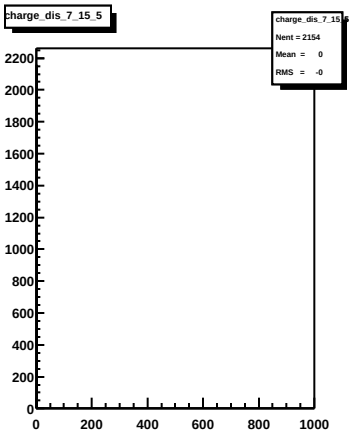
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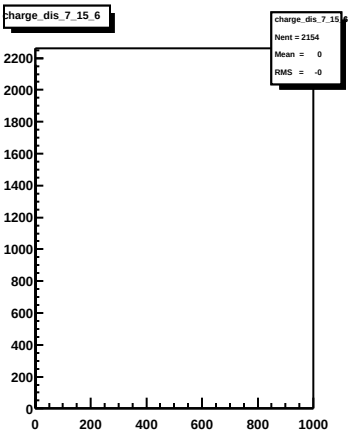
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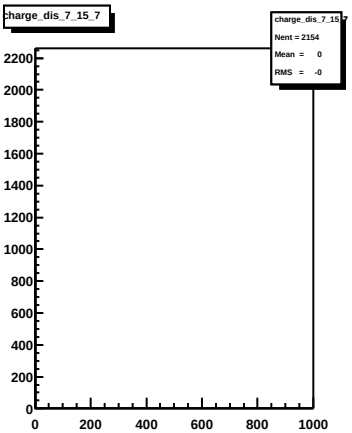
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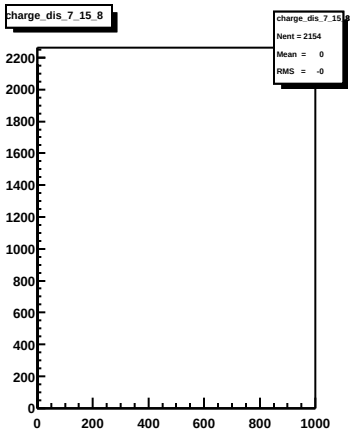
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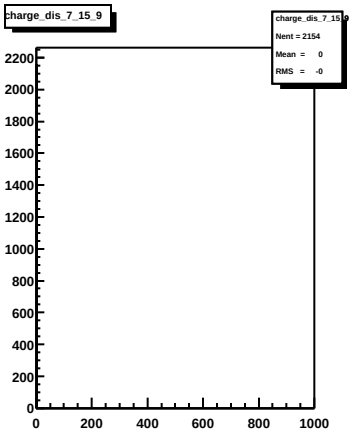
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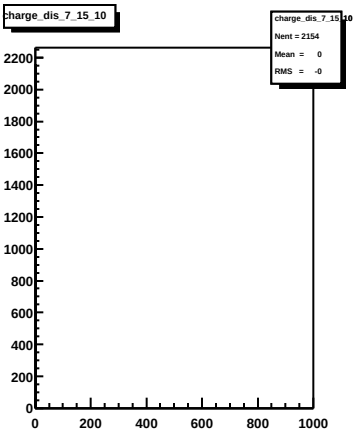
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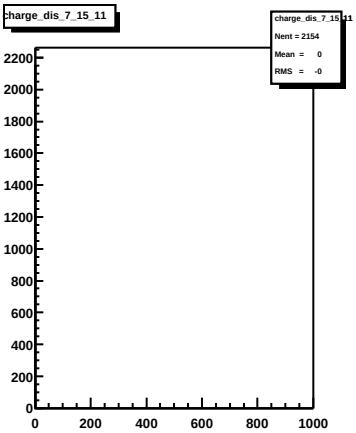
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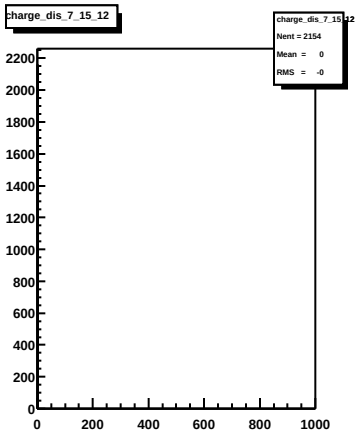
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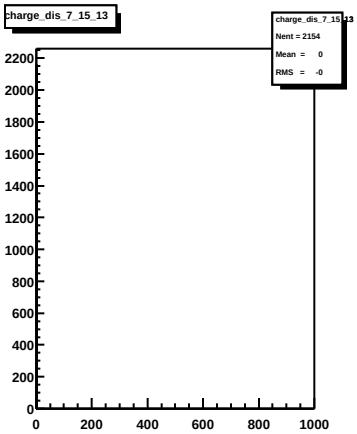
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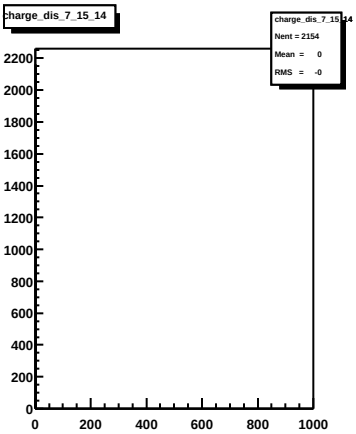
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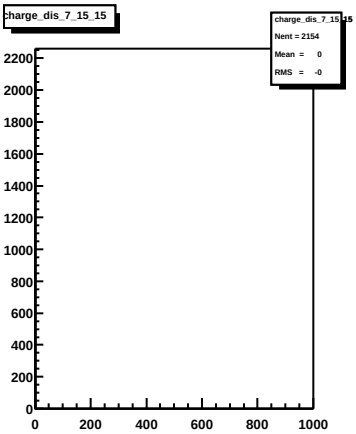
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