Test Bench X talk

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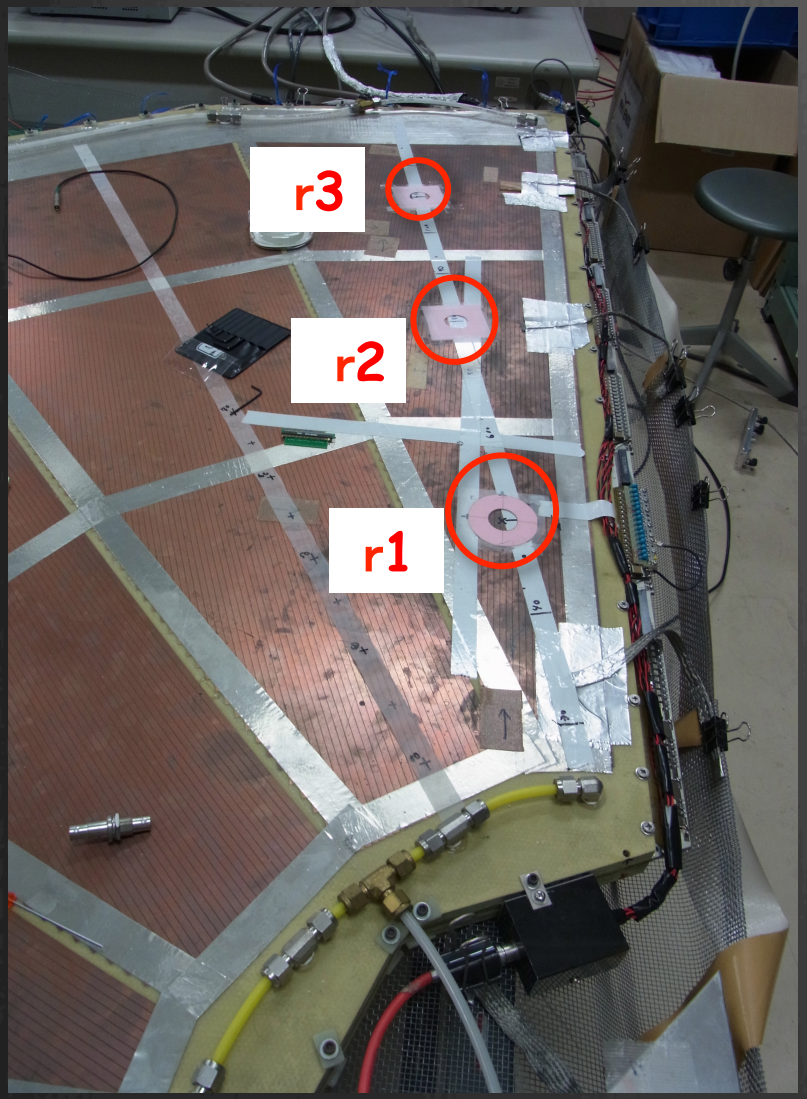
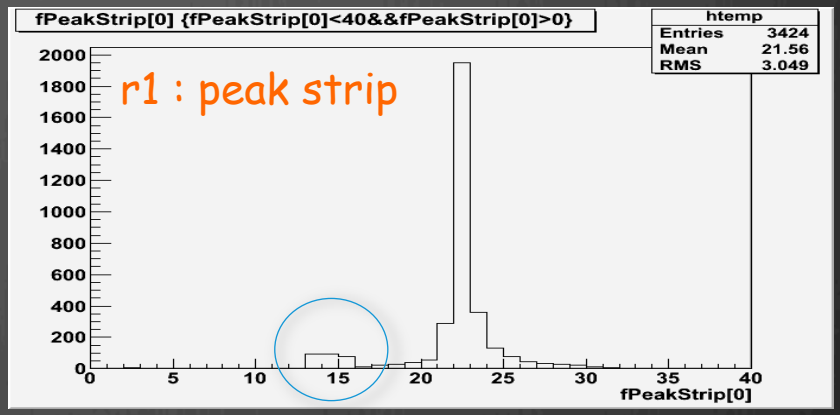
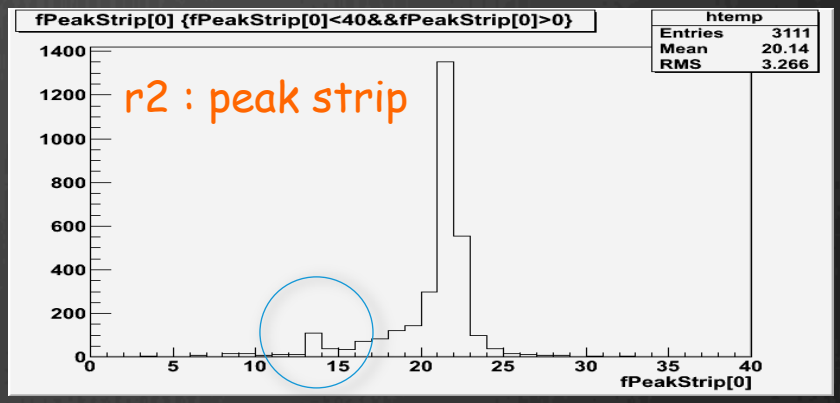
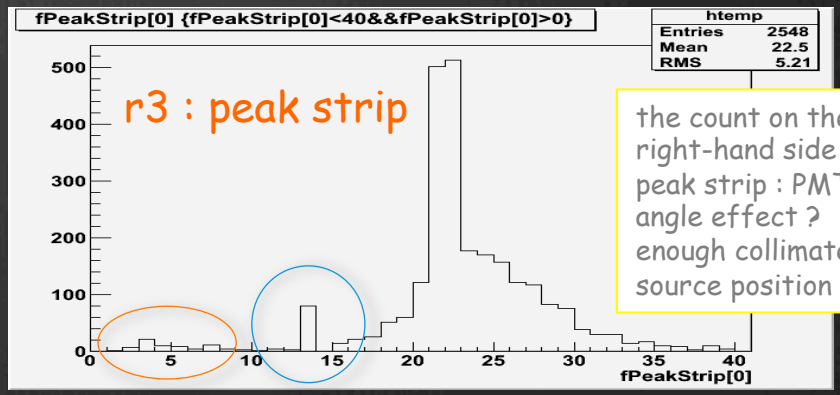
Contribution to the Number of share strips



RI-source is ^{90}Sr [06-753]

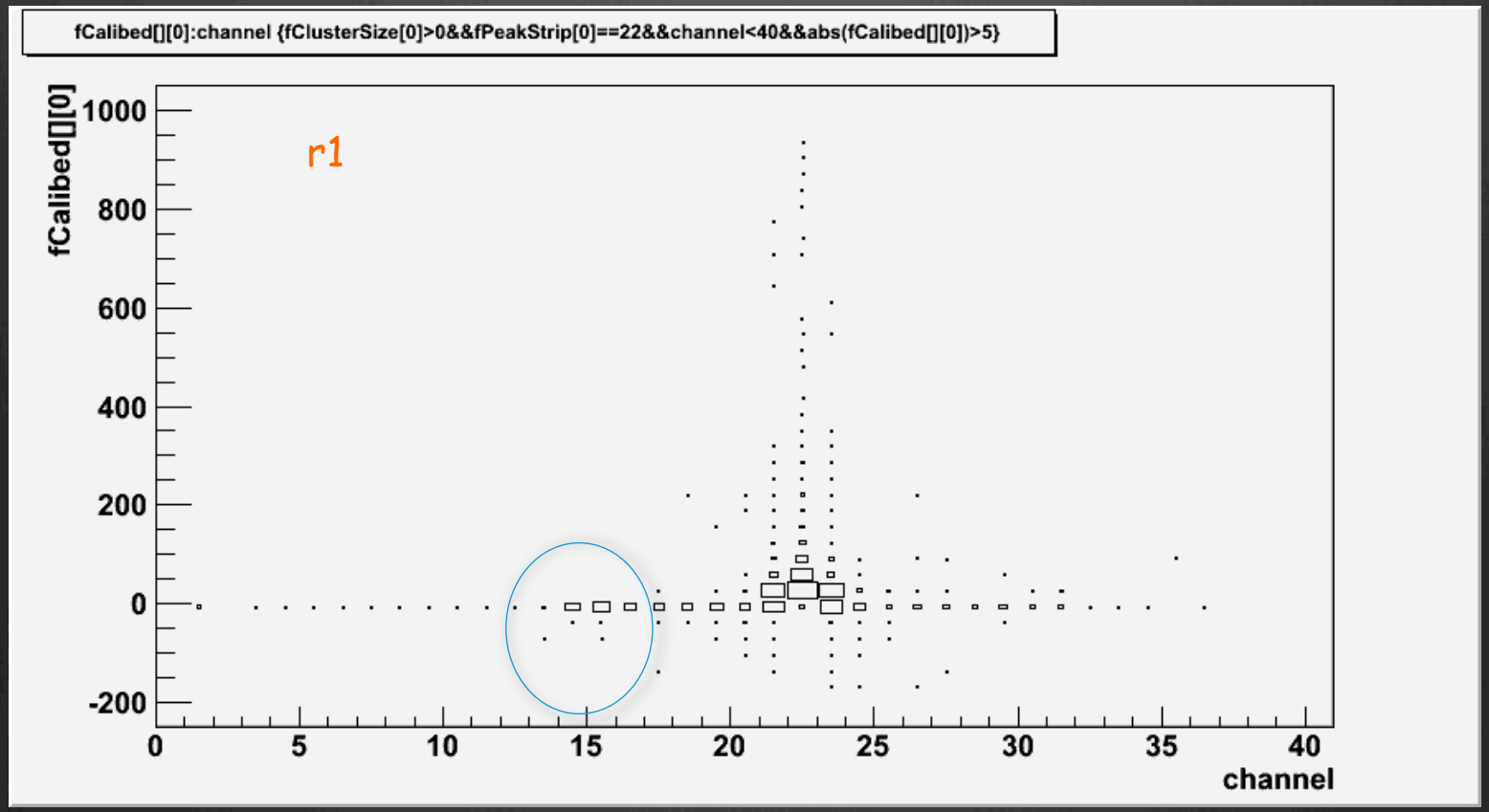






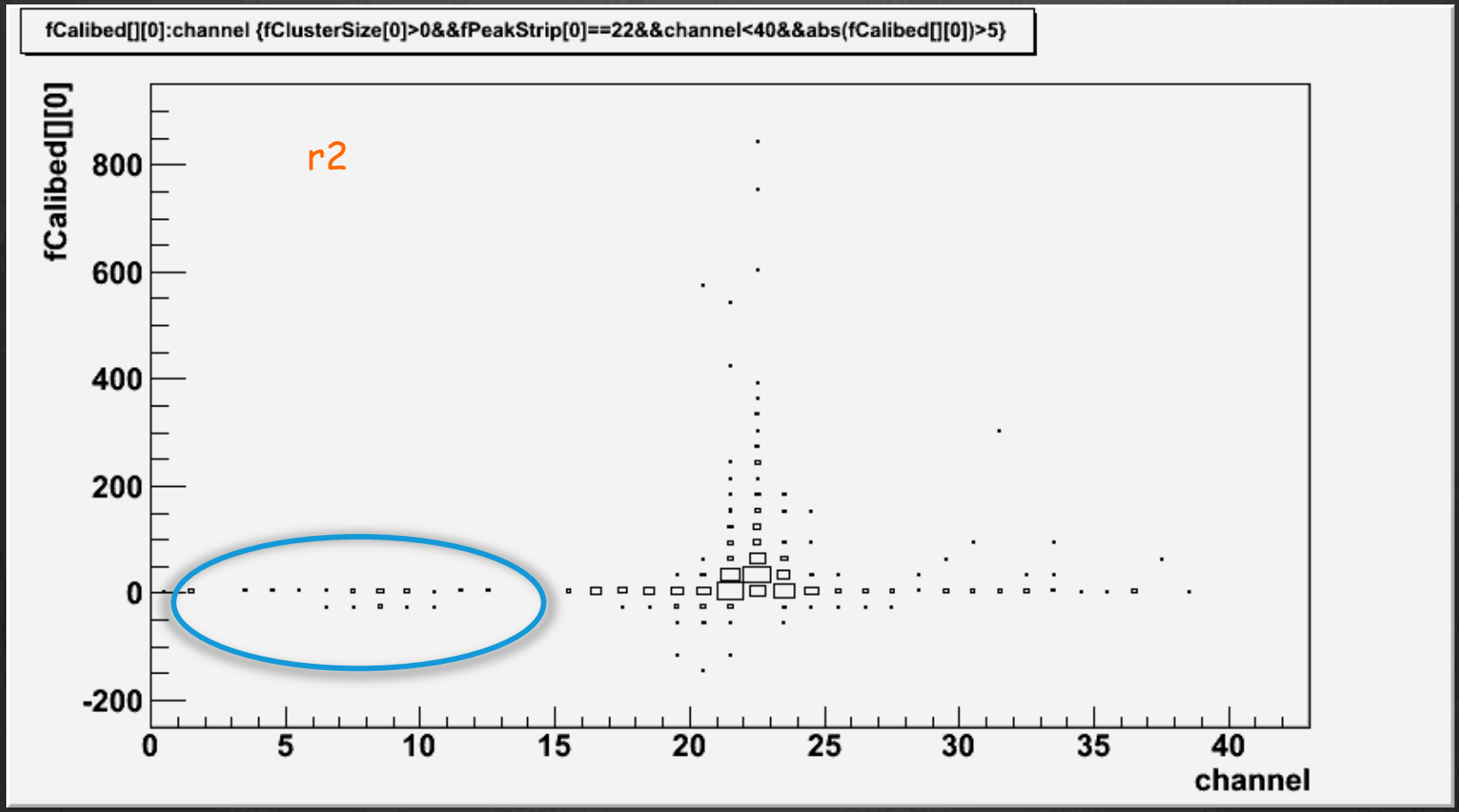
the count on the right-hand side of the peak strip : PMT solid angle effect ? not enough collimate ? source position ?

Contribution to the Number of share strips



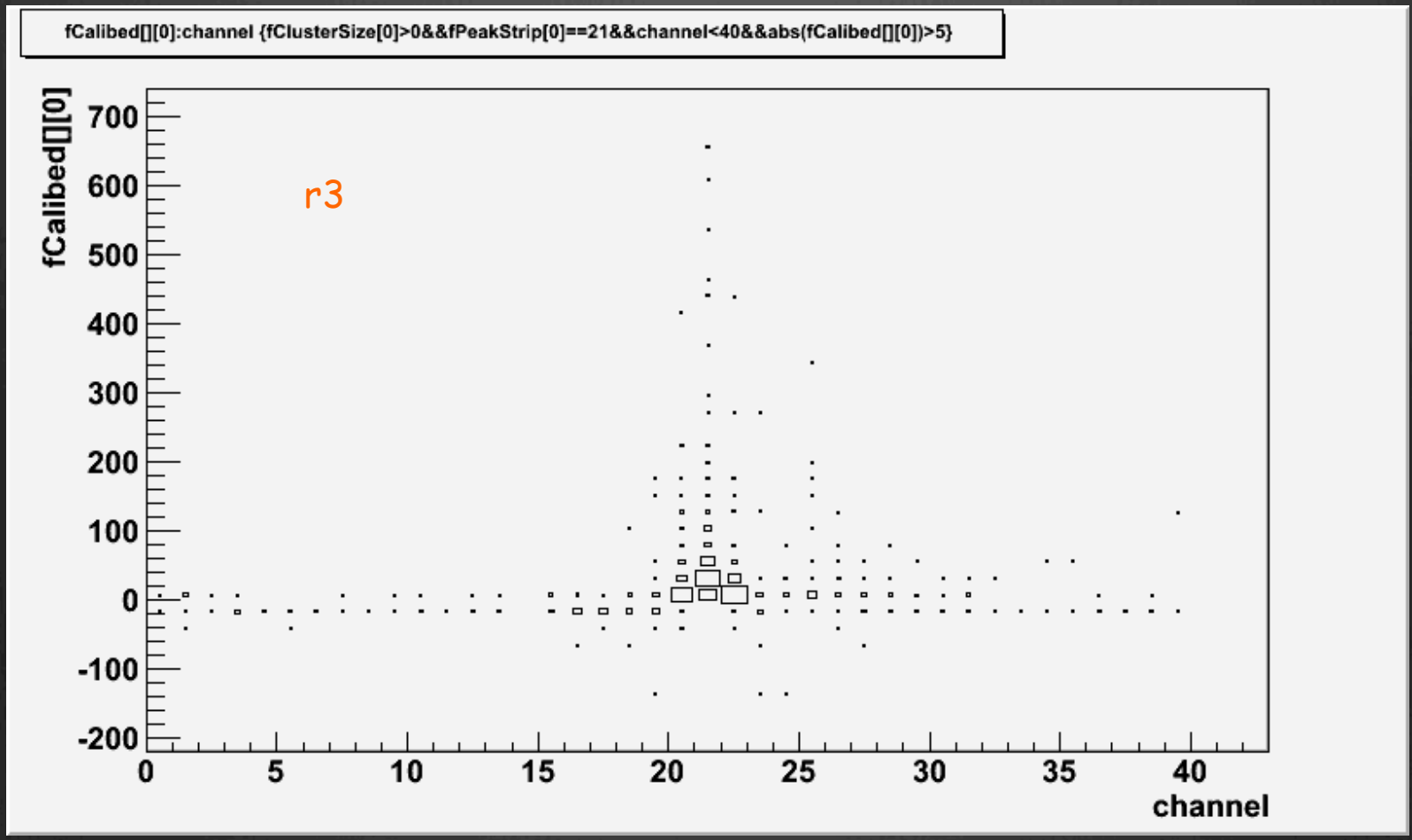
fCalibed[][0]:channel
{fClusterSize[0]>0,fPeakStrip[0]==22,channel<40,|fCalibed[][0]|>5}

Contribution to the Number of share strips



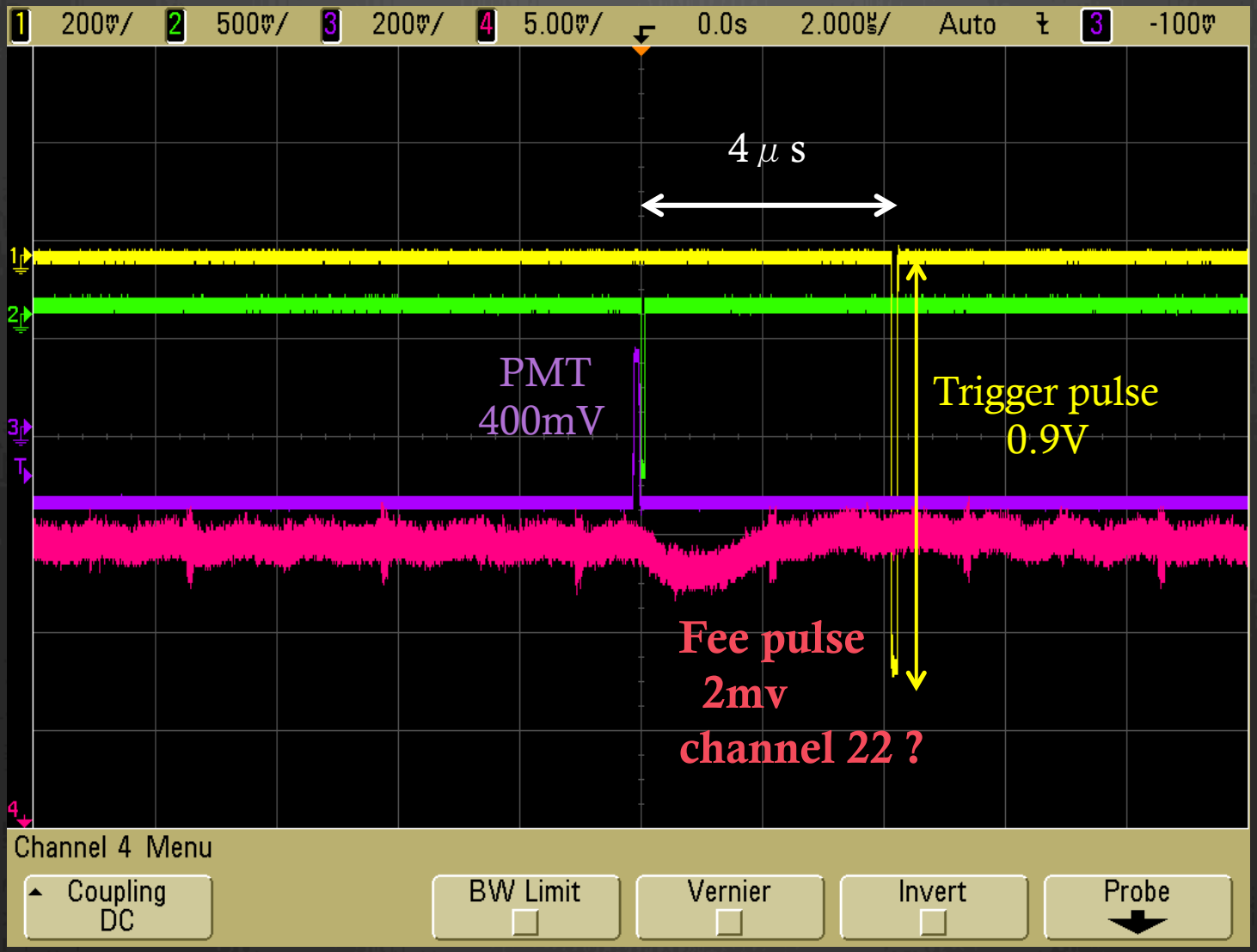
fCalibed[][0]:channel
{fClusterSize[0]>0,fPeakStrip[0]==22,channel<40,|fCalibed[][0]|>5}

Contribution to the Number of share strips

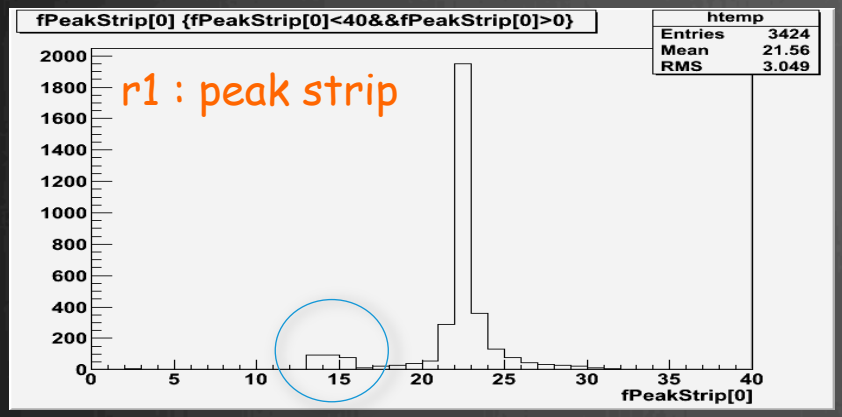


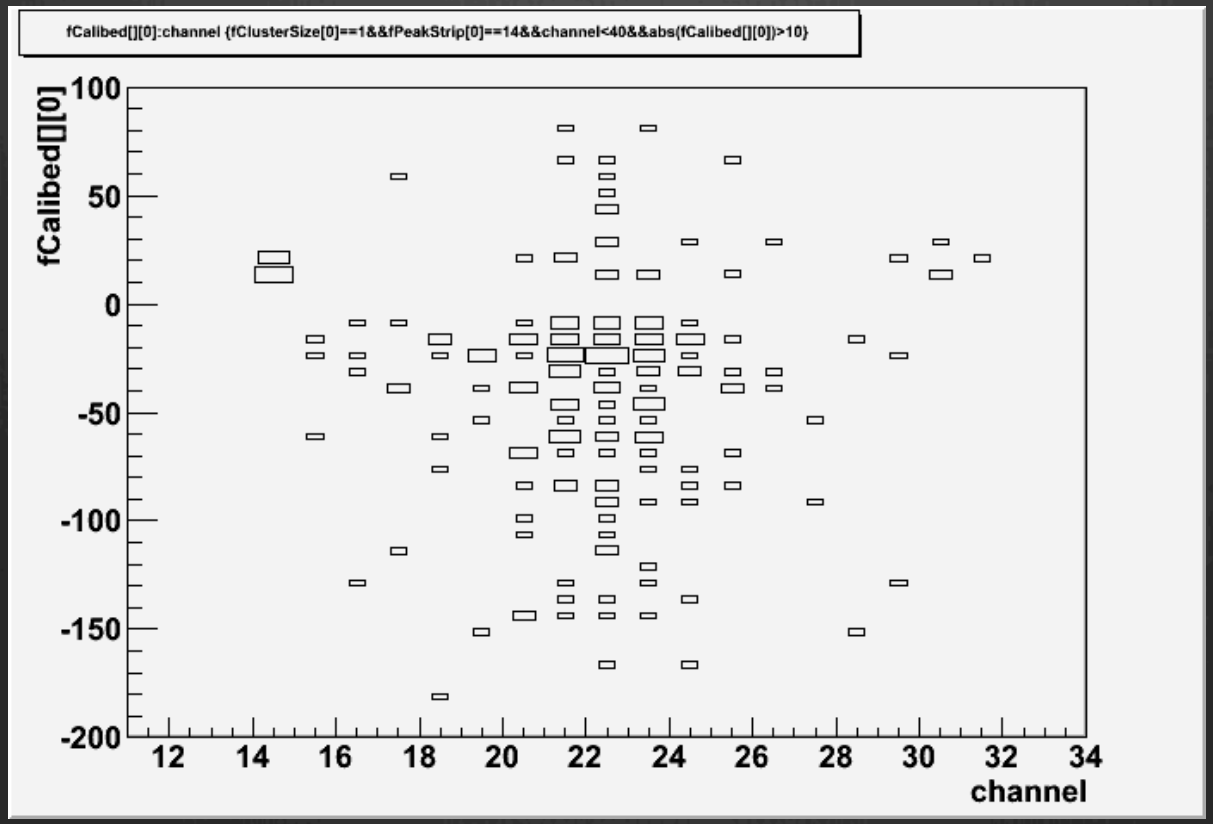
fCalibed[][0]:channel
{fClusterSize[0]>0,fPeakStrip[0]==21,channel<40,|fCalibed[][0]|>5}

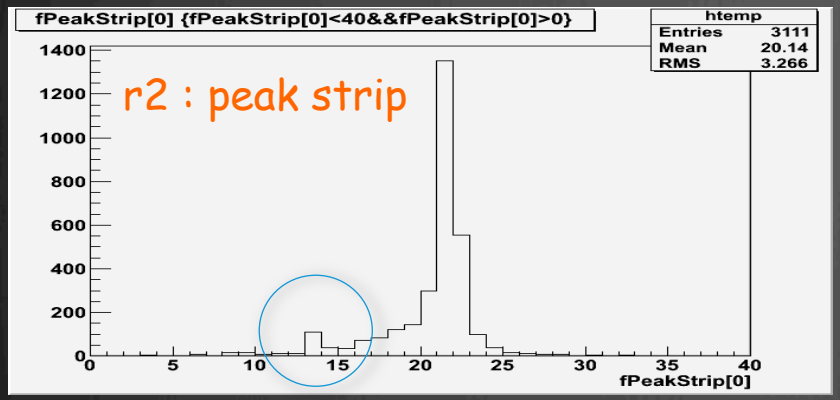
Agilent oscilloscope Picture

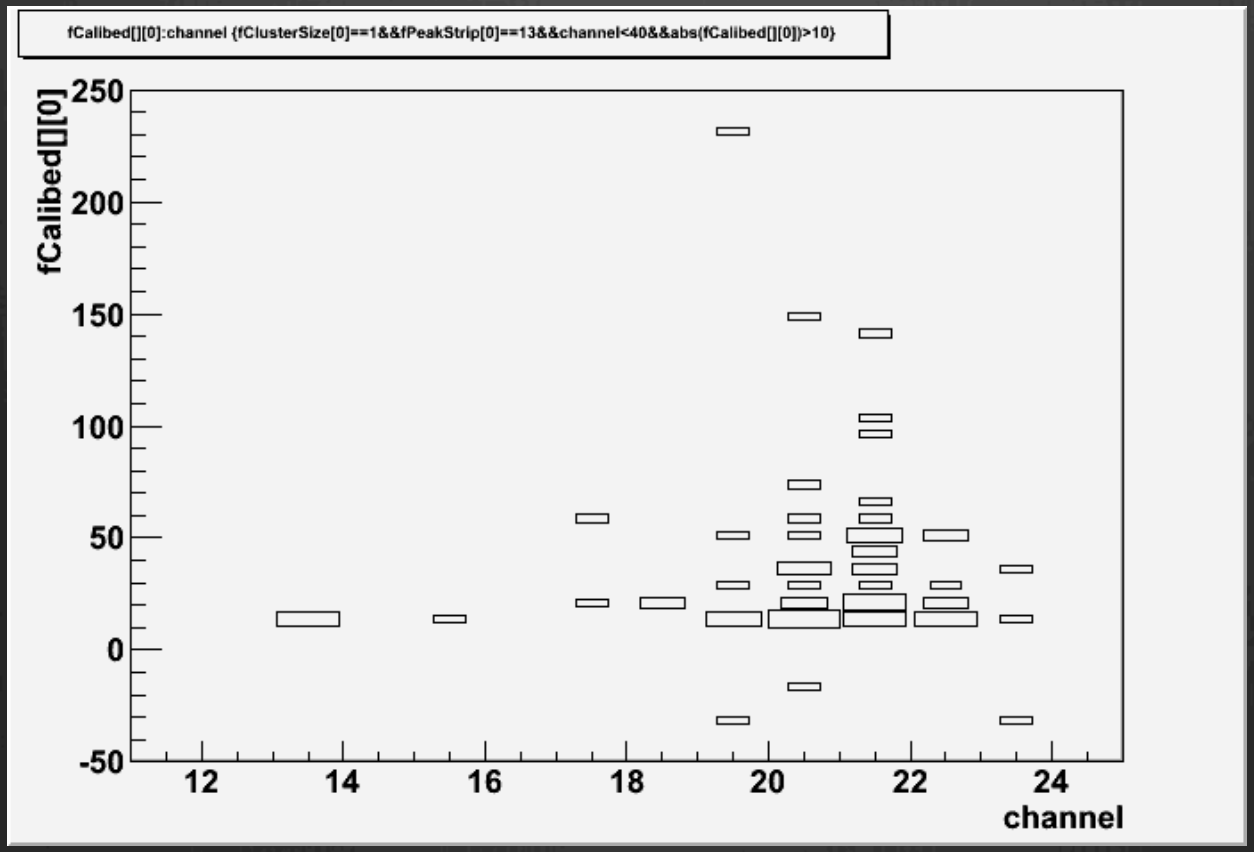


Fee pulse noisy


fPeakStrip[0] {fPeakStrip[0]<40&&fPeakStrip[0]>0}
htemp
Entries 3424
Mean 21.56
RMS 3.049
r1 : peak strip
fPeakStrip[0]


fCalibed[][0]:channel {fClusterSize[0]==1&&fPeakStrip[0]==14&&channel<40&&abs(fCalibed[][0])>10}
fCalibed[][0]
channel


fPeakStrip[0] {fPeakStrip[0]<40&&fPeakStrip[0]>0}
htemp
Entries 3111
Mean 20.14
RMS 3.266
r2 : peak strip
fPeakStrip[0]


fCalibed[][0]:channel {fClusterSize[0]==1&&fPeakStrip[0]==13&&channel<40&&abs(fCalibed[][0])>10}
fCalibed[][0]
channel

TTree feeclus branches

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*******************************************************************************
*Tree    :feemap    : FEE Cluster Map                                        *
*Entries :     9654 : Total =        91335666 bytes  File  Size =   22132508 *
*        :          : Tree compression factor =   4.12                       *
*******************************************************************************
*Branch  :fmap                                                               *
*Entries :     9654 : BranchElement (see below)                              *
*.............................................................................*
*Br    0 :fUniqueID : UInt_t                                                 *
*Entries :     9654 : Total  Size=      71444 bytes  File Size  =        250 *
*Baskets :        1 : Basket Size=      32000 bytes  Compression= 127.99     *
*.............................................................................*
*Br    1 :fBits     : UInt_t                                                 *
*Entries :     9654 : Total  Size=      99580 bytes  File Size  =      10242 *
*Baskets :        3 : Basket Size=      32000 bytes  Compression=   6.26     *
*.............................................................................*
*Br    2 :fADC[128][4] : Float_t                                             *
*Entries :     9654 : Total  Size=   19914117 bytes  File Size  =    9354071 *
*Baskets :      643 : Basket Size=      32000 bytes  Compression=   2.12     *
*.............................................................................*
*Br    3 :fCalibed[128][2] : Float_t                                         *
*Entries :     9654 : Total  Size=    9993411 bytes  File Size  =    2772974 *
*Baskets :      321 : Basket Size=      32000 bytes  Compression=   3.58     *
*.............................................................................*
*Br    4 :fFitTop[128][2] : Float_t                                          *
*Entries :     9654 : Total  Size=    9993082 bytes  File Size  =    2767972 *
*Baskets :      321 : Basket Size=      32000 bytes  Compression=   3.59     *
*.............................................................................*
*Br    5 :fFitTime[128][2] : Float_t                                         *
*Entries :     9654 : Total  Size=    9993411 bytes  File Size  =    2407122 *
*Baskets :      321 : Basket Size=      32000 bytes  Compression=   4.13     *
*.............................................................................*
*Br    6 :fFitCoeff[128][2] : Float_t                                        *
*Entries :     9654 : Total  Size=    9993740 bytes  File Size  =    2818556 *
*Baskets :      321 : Basket Size=      32000 bytes  Compression=   3.52     *
*.............................................................................*
*Br    7 :fChiSquare[128] : Float_t                                          *
*Entries :     9654 : Total  Size=    5031965 bytes  File Size  =    1402924 *
*Baskets :      158 : Basket Size=      32000 bytes  Compression=   3.56     *
*.............................................................................*
*Br    8 :fNumberOfCluster : Int_t                                           *
*Entries :     9654 : Total  Size=      71499 bytes  File Size  =       3906 *
*Baskets :        1 : Basket Size=      32000 bytes  Compression=   8.19     *
*.............................................................................*
*Br    9 :fPeakStrip[10] : Int_t                                             *
*Entries :     9654 : Total  Size=     456336 bytes  File Size  =      30820 *
*Baskets :       14 : Basket Size=      32000 bytes  Compression=  13.33     *
*.............................................................................*
*Br   10 :fClusterSize[10] : Int_t                                           *
*Entries :     9654 : Total  Size=     456380 bytes  File Size  =      30003 *
*Baskets :       14 : Basket Size=      32000 bytes  Compression=  13.70     *
*.............................................................................*
*Br   11 :fValidClus[10] : Bool_t                                            *
*Entries :     9654 : Total  Size=     161323 bytes  File Size  =      21420 *
*Baskets :        5 : Basket Size=      32000 bytes  Compression=   5.82     *
*.............................................................................*
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fFitTop[128][2]
fFitTime[128][2]
fFitCoeff[128][2]
fCell[4]
fPeakStrip[10]