

dy_temp (signal > 1.5mn) h202 4483 **Entries** Mean 28.38 60 Std Dev 192.8 χ^2 / ndf 410 / 117 Constant 494.1 50 4794 Mean Sigma 1927 40 30 20 10 -300-200 -100 100 200 300

 $\Delta y (\mu m)$

 dy_{temp} (1.5mn > signal > 1.0mn) h203 5570 **Entries** 90 Mean 10.22 Std Dev 158.1 80 χ^2 / ndf 372.3 / 117 Constant 46.44 70 Mean 23.44 Sigma 263.1 60 50 40 30 20 -300-200 -100 100 200 300

 $\Delta y (\mu m)$

 $dy_{temp} (1.0mn > signal > 0.85mn)$ h204 90 **Entries** 1721 Mean 0.3288 80 Std Dev 76.32 χ^2 / ndf 318.2 / 104 70 Constant 60.64 Mean 0.4084 60 Sigma 45.88 50 40 30 20 10 _300 -200 -100 100 200 300 $\Delta y (\mu m)$

dy_temp (0.85mn > signal) h205 8526 **Entries** 700 Mean 0.7021 Std Dev 26.06 χ^2 / ndf 129.5 / 64 600 Constant 727.6 Mean 0.9007 500 Sigma 23.02 400 300 200 100 _300 -100 -200 200 300 100 $\Delta y (\mu m)$

chi2 y_temp (single pix) h206 2 **Entries** 699 1.8 Mean 39.95 Std Dev 6.835 1.6 1.4 1.2 8.0 0.6 0.4 0.2

25

30

35

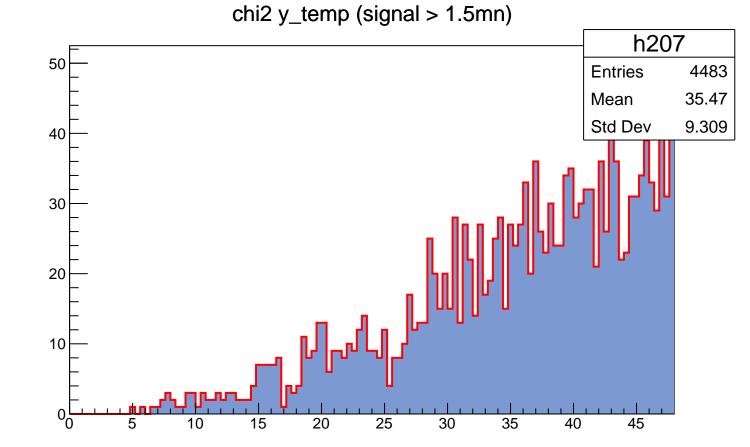
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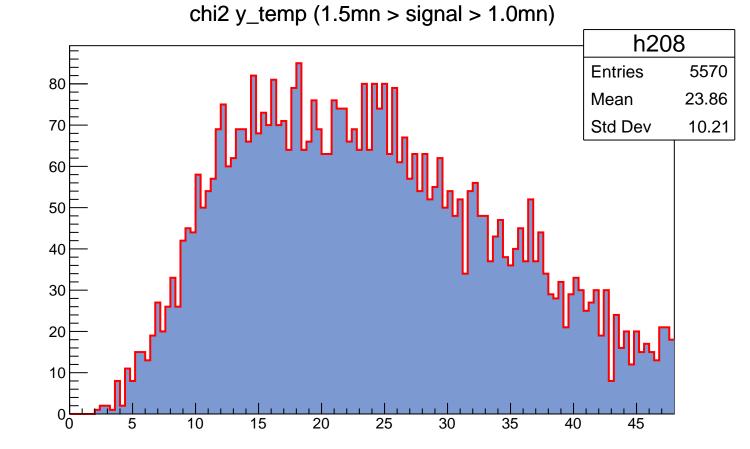
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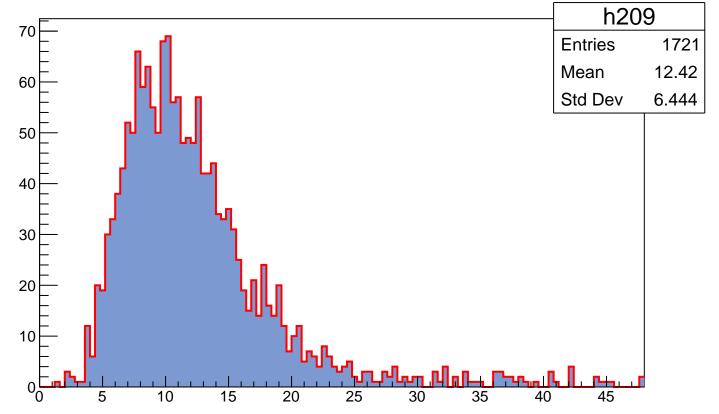
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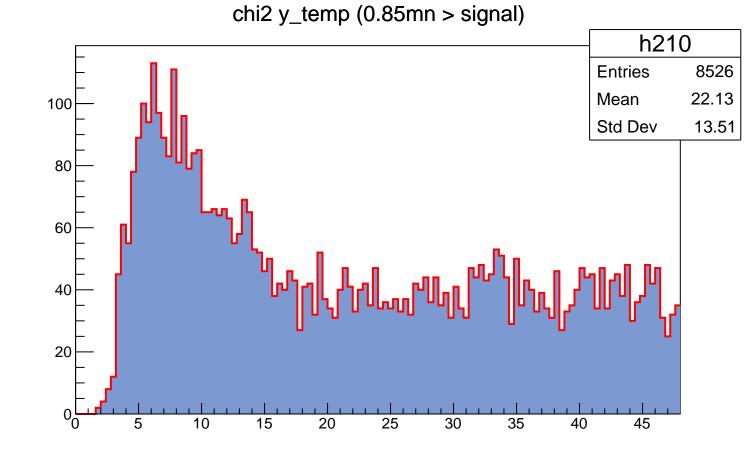
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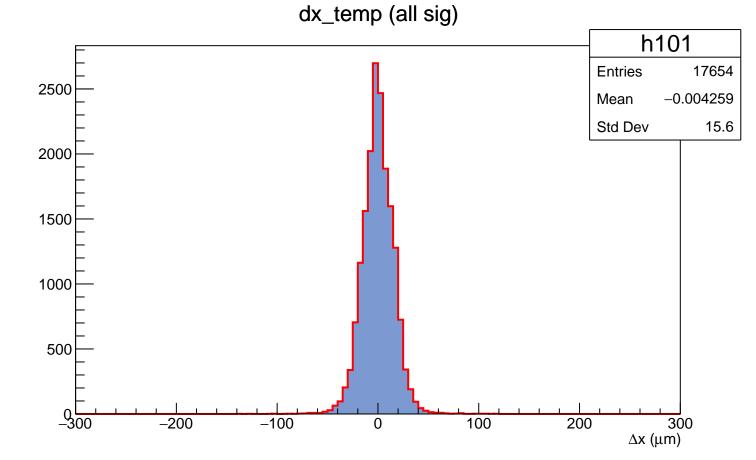


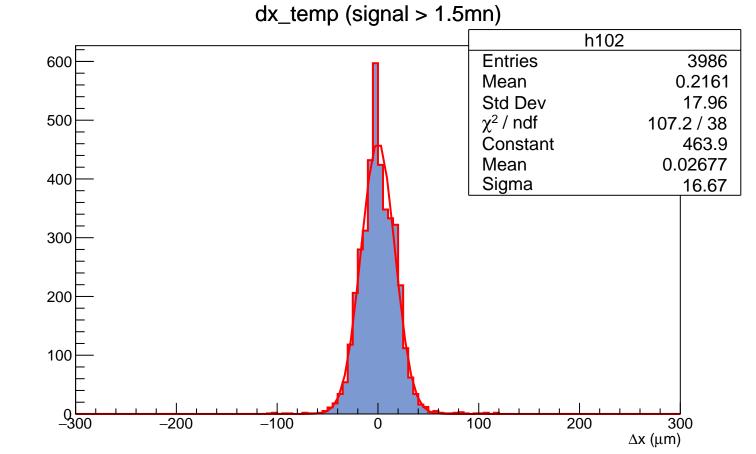


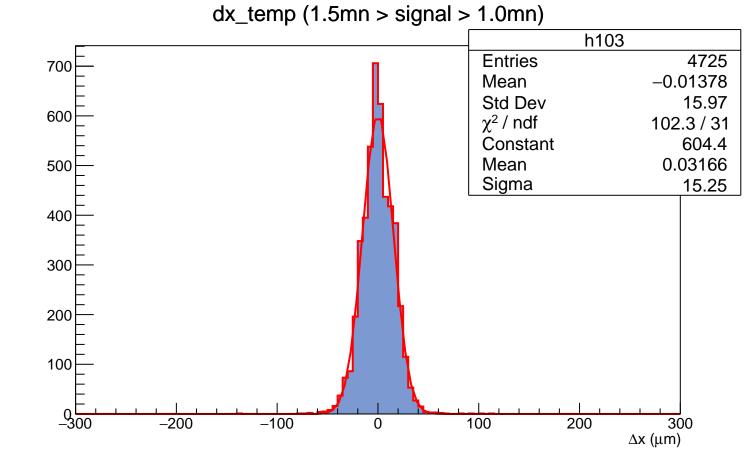
chi2 y_temp (1.0mn > signal > 0.85mn)

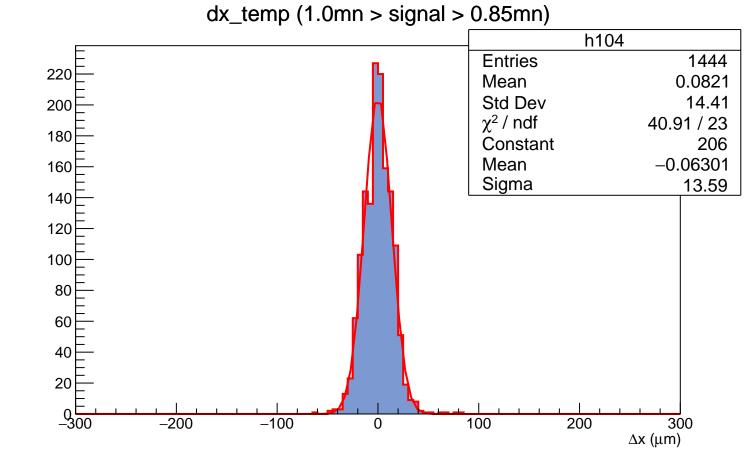


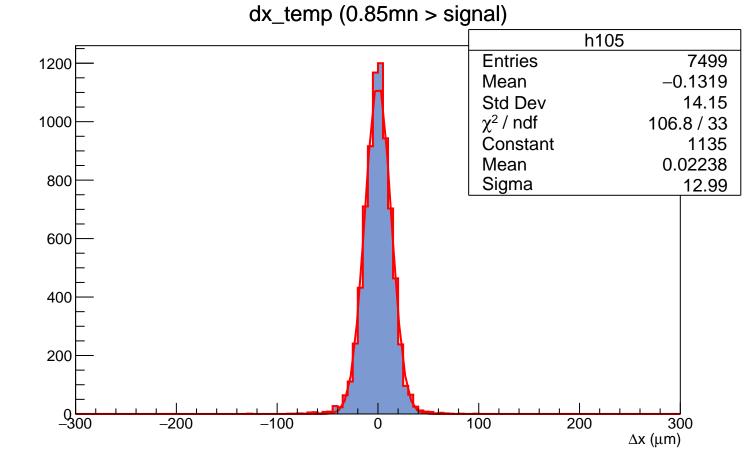




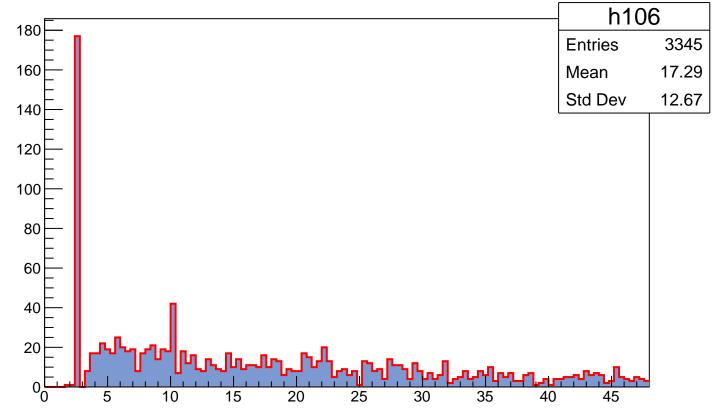








chi2 x_temp (single pix)

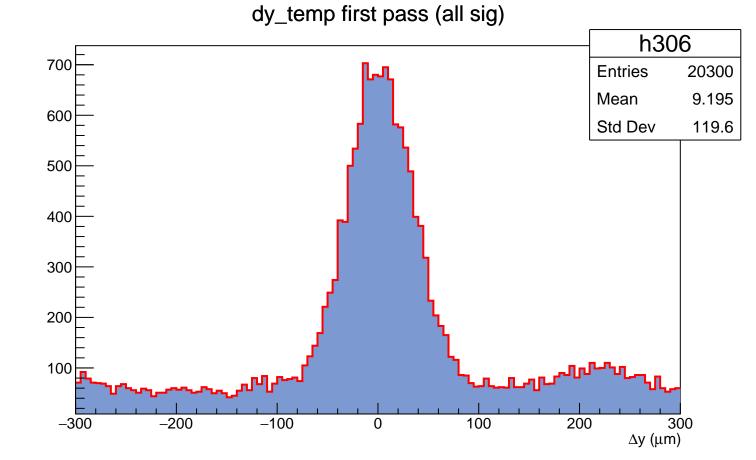


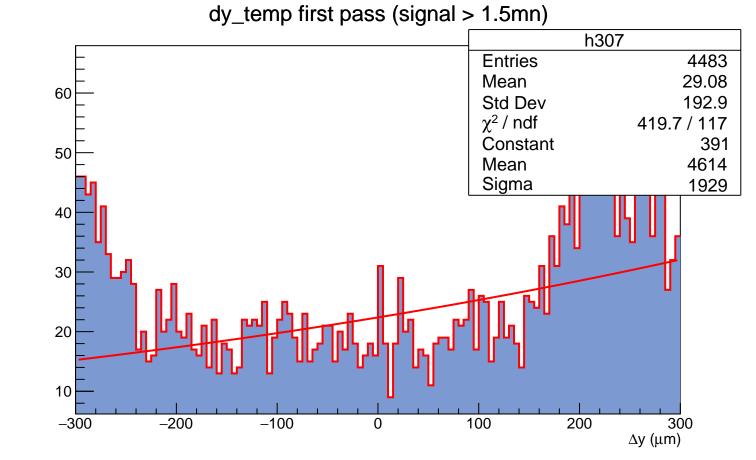
chi2 x_temp (signal > 1.5mn) h107 **Entries** 4.511 Mean Std Dev 7.339 0,

chi2 x_temp (1.5mn > signal > 1.0mn)h108 **Entries** 3.032 Mean Std Dev 5.731 0,

chi2 x_temp (1.0mn > signal > 0.85mn)h109 **Entries** 1.9 Mean Std Dev 3.472 0,

chi2 x_temp (0.85mn > signal) h110 **Entries** 0.7996 Mean Std Dev 1.55





dy_temp first pass (1.5mn > signal > 1.0mn) h308 5570 **Entries** Mean 10.84 Std Dev 158.2 χ^2 / ndf 356.6 / 117 Constant 46.56 Mean 27.85 Sigma 264.8

100

300

 $\Delta y (\mu m)$

200

80

70

60

50

40

30

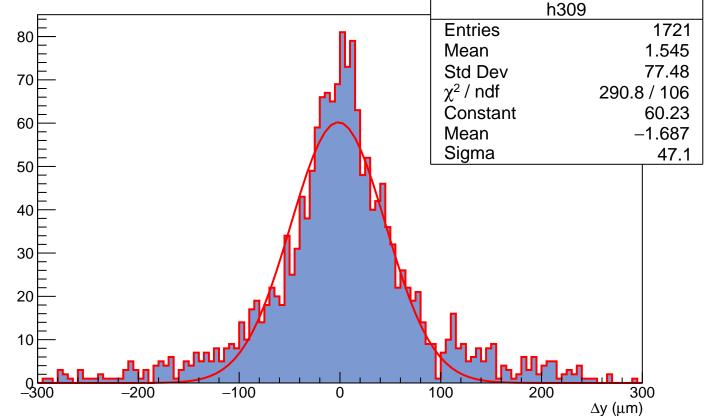
20

 $-3\overline{00}$

-200

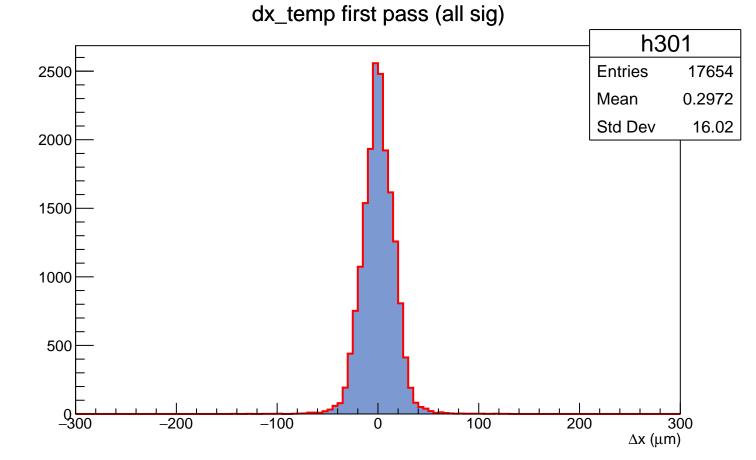
-100

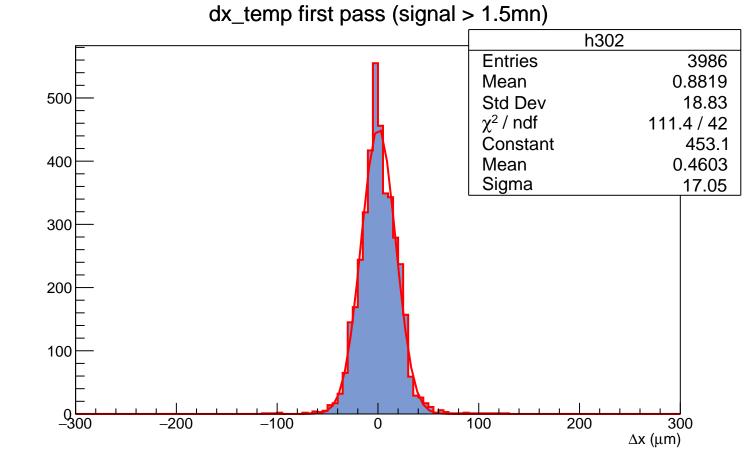
dy_temp first pass (1.0mn > signal > 0.85mn)

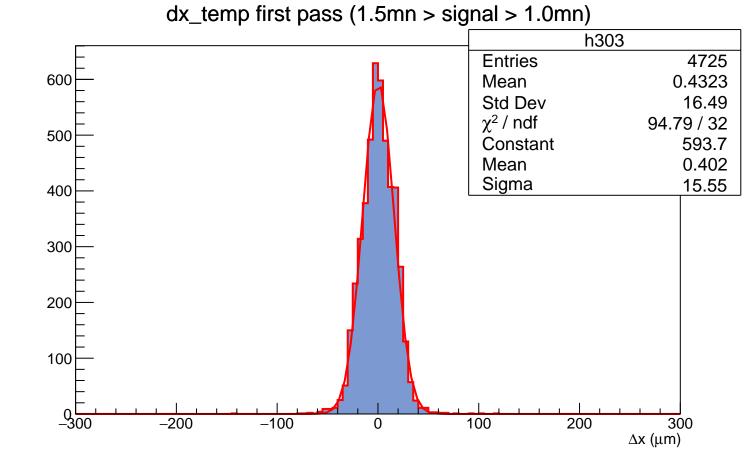


dy_temp first pass (0.85mn > signal) h310 8526 **Entries** Mean 2.421 500 Std Dev 32.77 χ^2 / ndf 80.24 / 63 Constant 539.7 400 Mean 2.572 Sigma 31.22 300 200 100 _300 -200 -100 200 300 100

 $\Delta y (\mu m)$

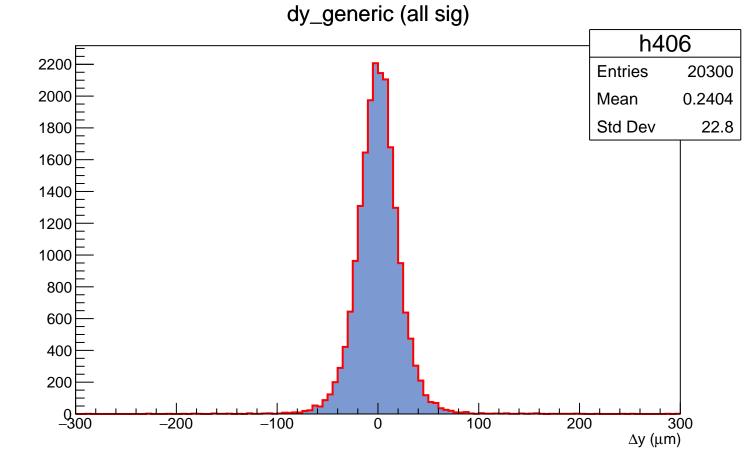






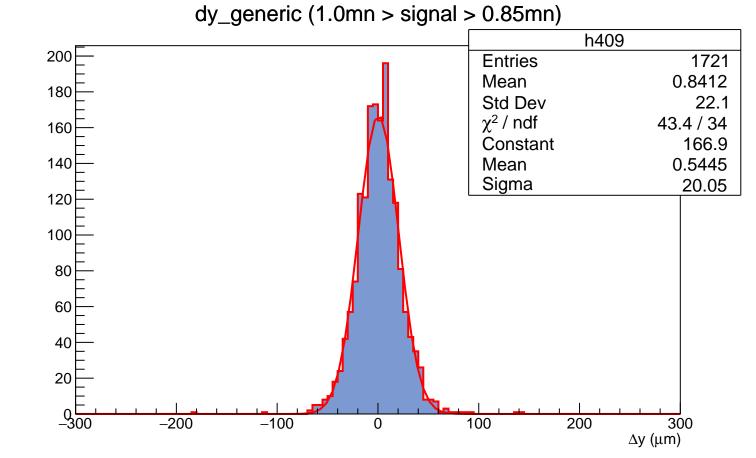
dx_temp first pass (1.0mn > signal > 0.85mn) h304 220 **Entries** 1444 Mean 0.5964 200 Std Dev 14.68 180 χ^2 / ndf 50.45 / 22 Constant 200.5 160 Mean 0.6838 Sigma 140 13.86 120 100 80 60 40 20 _300 -200 -100 100 200 300 $\Delta x (\mu m)$

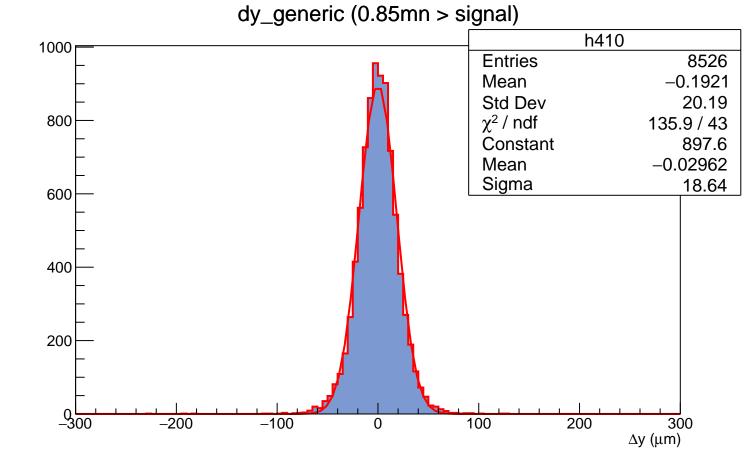
dx_temp first pass (0.85mn > signal) h305 **Entries** 7499 1200 Mean -0.1562Std Dev 14.22 χ^2 / ndf 108.4 / 32 1000 Constant 1123 Mean -0.03024800 Sigma 13.12 600 400 200 _300 -200 -100 100 200 300 $\Delta x (\mu m)$

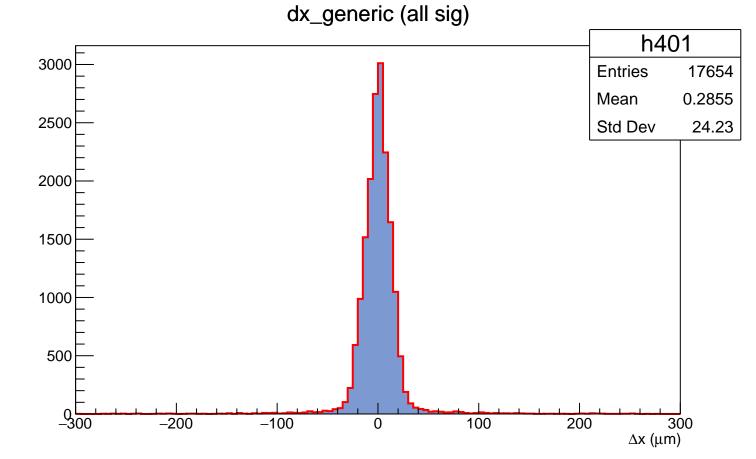


dy_generic (signal > 1.5mn) h407 500 **Entries** 4483 Mean 0.7999 Std Dev 26.55 400 χ^2 / ndf 151.8 / 64 Constant 432.4 Mean 0.1851 Sigma 19.97 300 200 100 _300 -100 -200 100 200 300 $\Delta y (\mu m)$

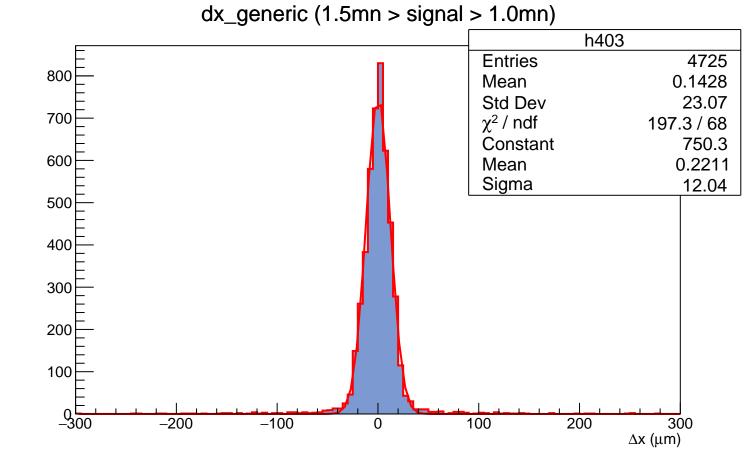
dy_generic (1.5mn > signal > 1.0mn) h408 **Entries** 5570 600 Mean 0.2668 Std Dev 23.5 500 χ^2 / ndf 142.2 / 57 Constant 553.2 Mean 0.2549 400 Sigma 19.57 300 200 100 _300 -100 -200 100 200 300 $\Delta y (\mu m)$

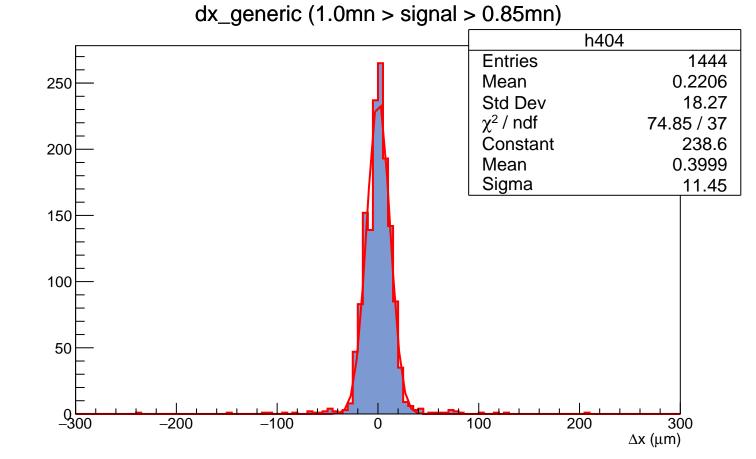


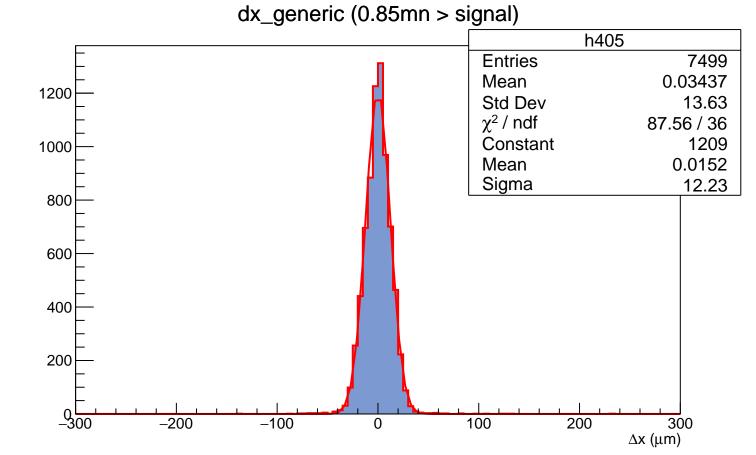




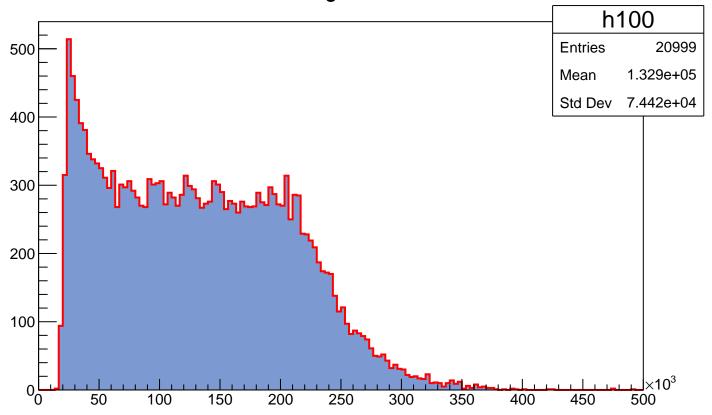
dx_generic (signal > 1.5mn) h402 **Entries** 3986 600 Mean 0.9507 Std Dev 38.72 χ^2 / ndf 429 / 93 500 Constant 521.8 Mean 0.05581 400 Sigma 13.6 300 200 100 _300 -100 -200 200 300 100 $\Delta x (\mu m)$



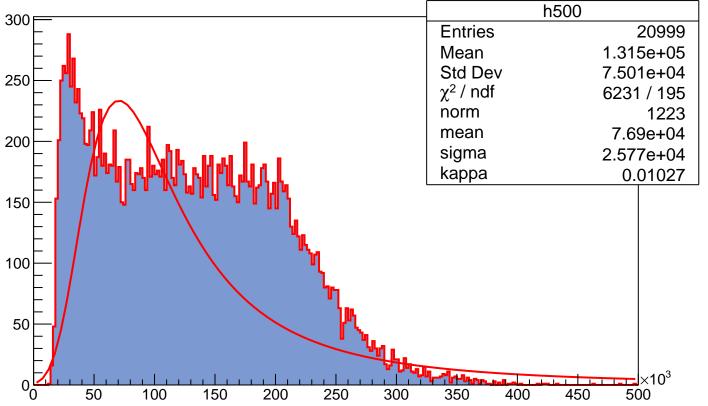


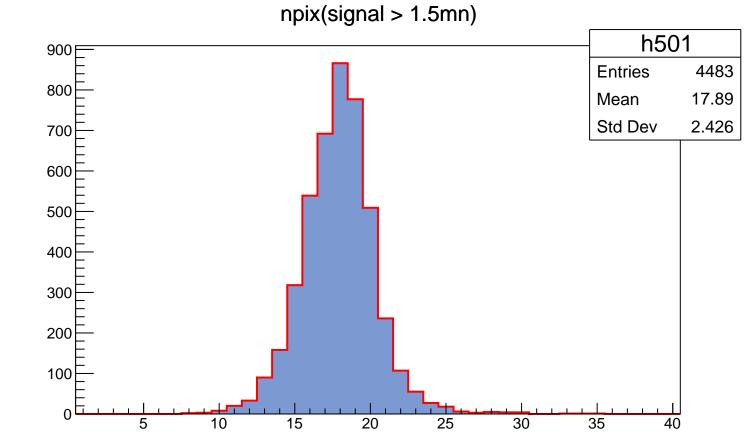


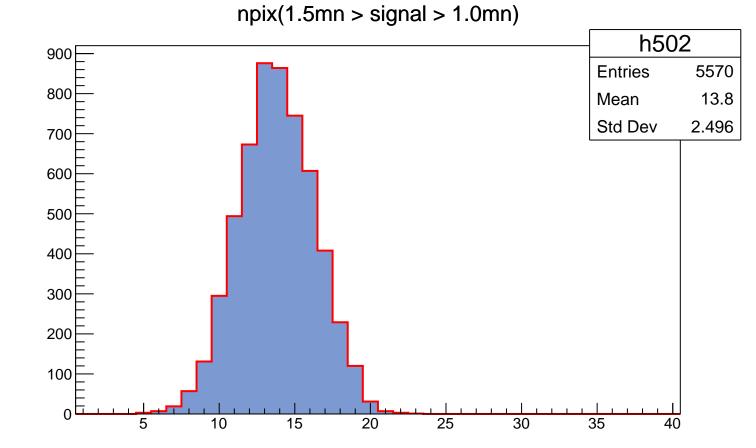
Number generated e

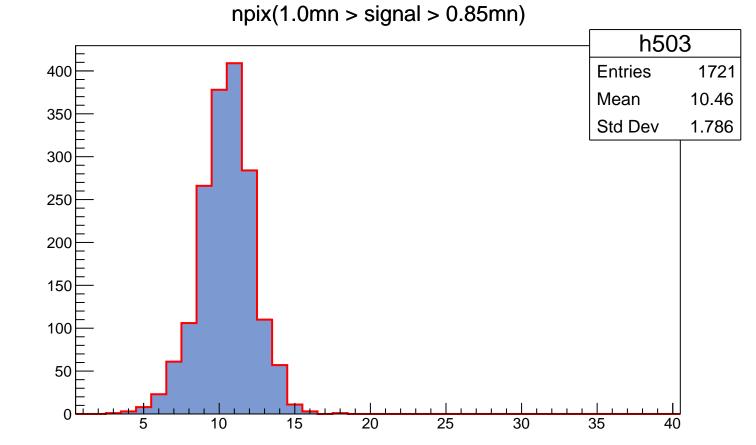


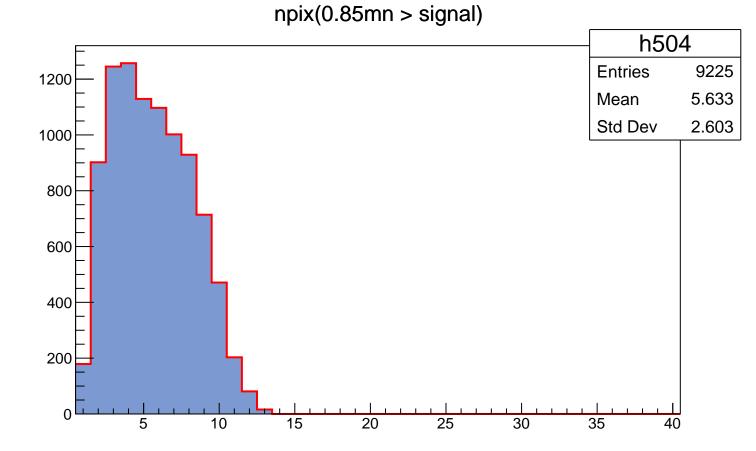
Cluster Charge



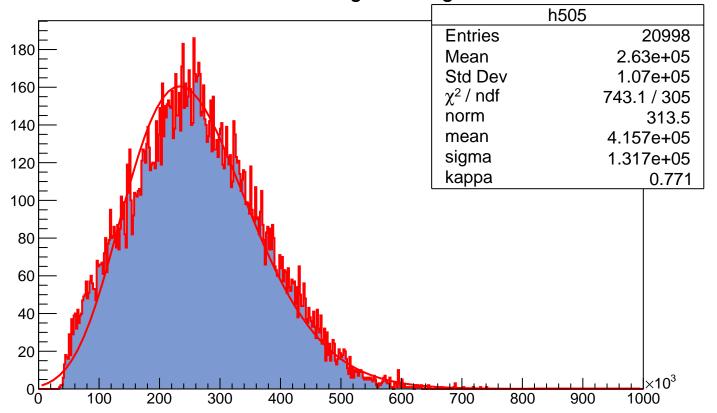






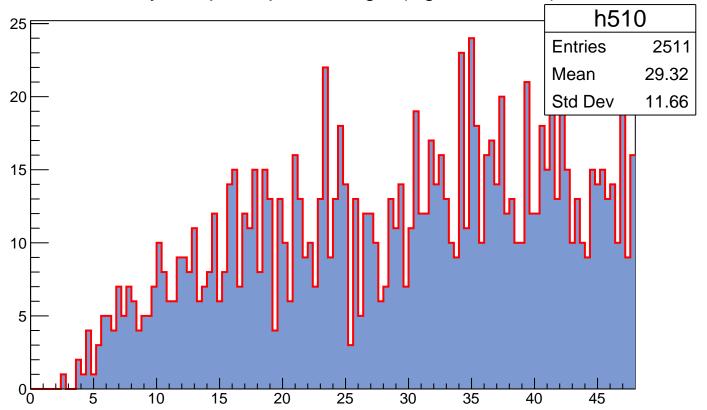


2 Cluster Merged Charge

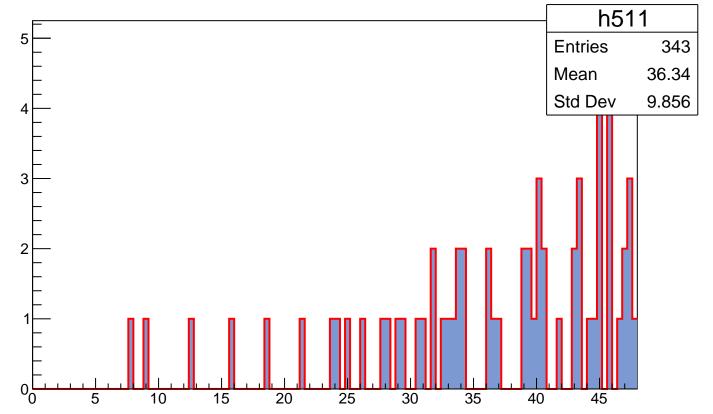


measured Q/generated Q h606 500 **Entries** 20999 0.9872 Mean Std Dev 0.08969 400 300 200 100 0.2 0.8 0.4 0.6

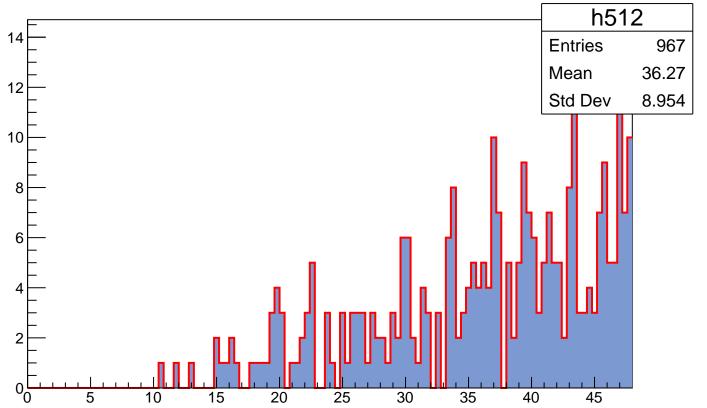
chi2y_temp first pass, merged(signal > 1.5mn)



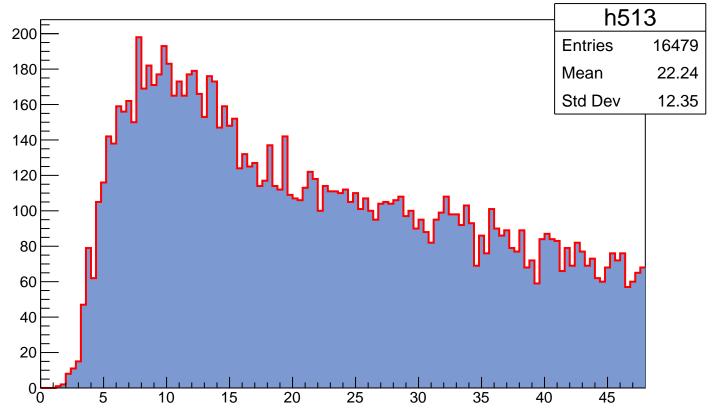
chi2y_temp first pass, merged(1.5mn > signal > 1.0mn)



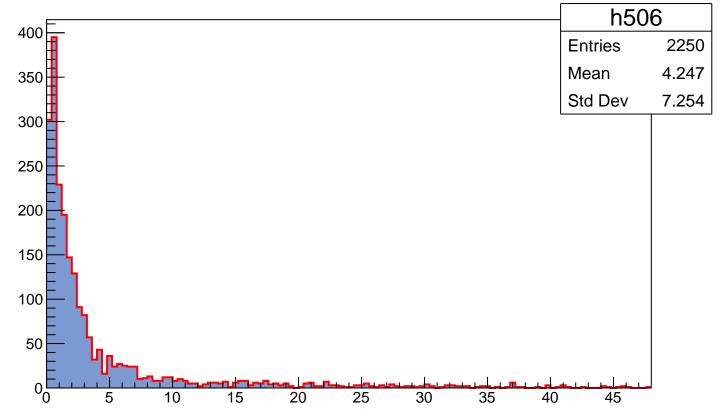
chi2y_temp first pass, merged(1.0mn > signal > 0.85mn)



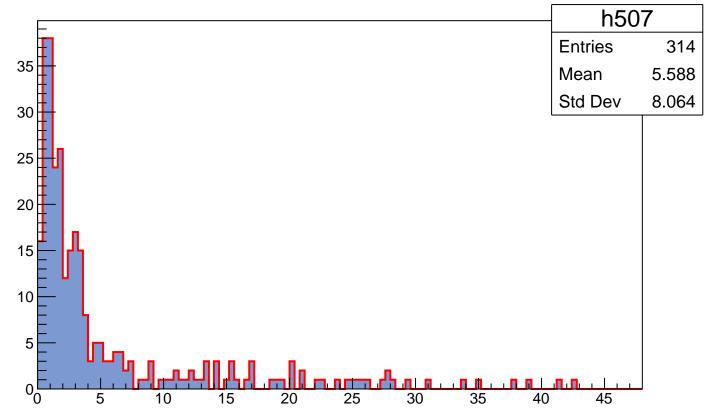
chi2y_temp first pass, merged(0.85mn > signal)



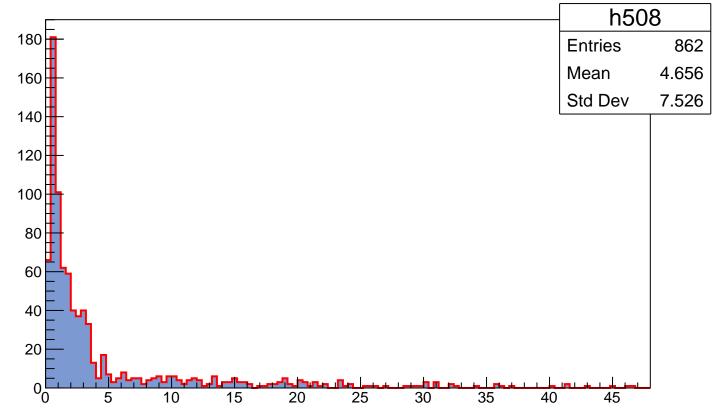
chi2x_temp first pass, merged(signal > 1.5mn)



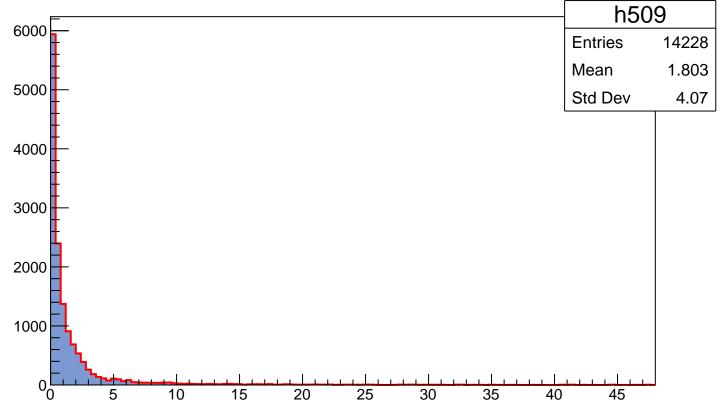
chi2x_temp first pass, merged(1.5mn > signal > 1.0mn)



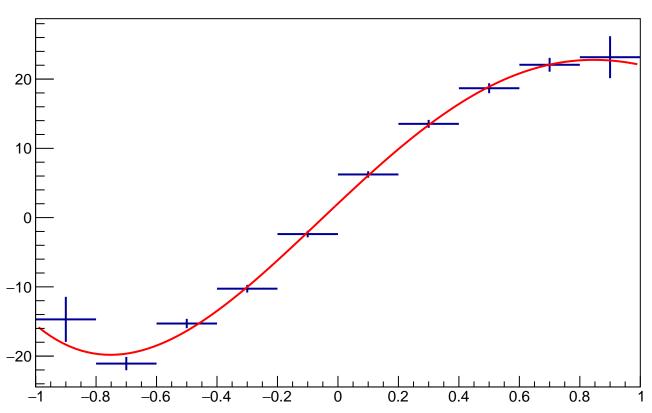
chi2x_temp first pass, merged(1.0mn > signal > 0.85mn)



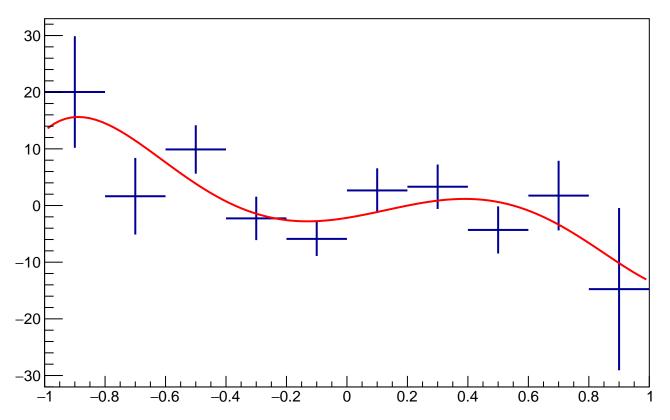
chi2x_temp first pass, merged(0.85mn > signal)



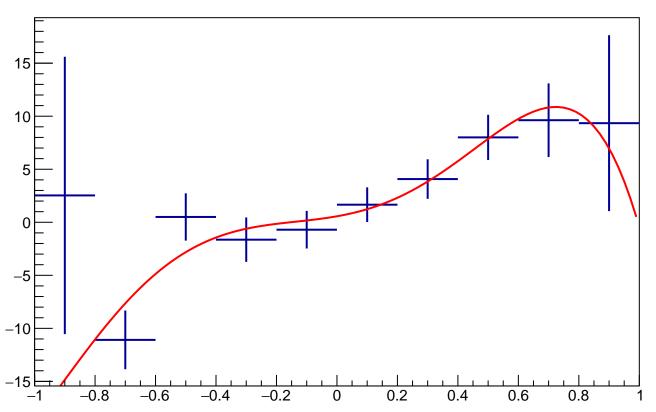
dy vs qfl (all sig)



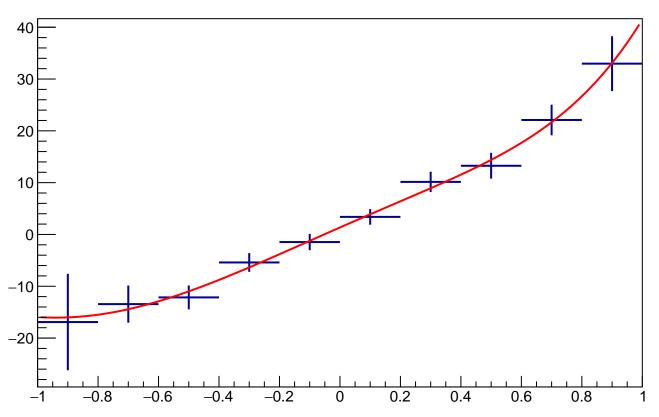
dy vs qfl (signal > 1.5mn)



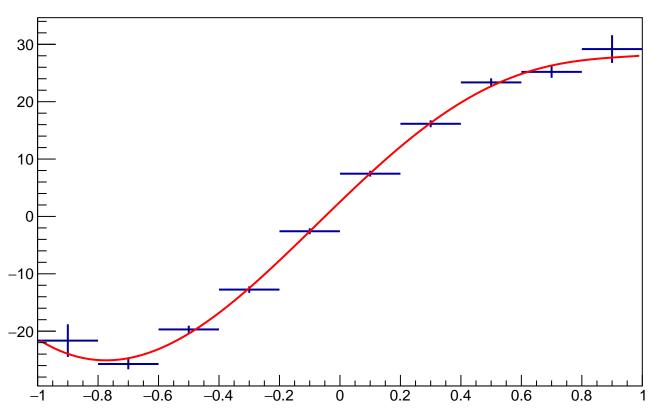
dy vs qfl (1.5mn > signal > 1.0mn)



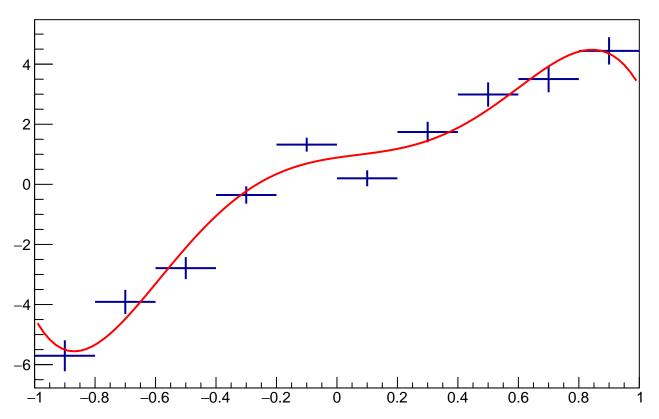
dy vs qfl (1.0mn > signal > 0.85mn)



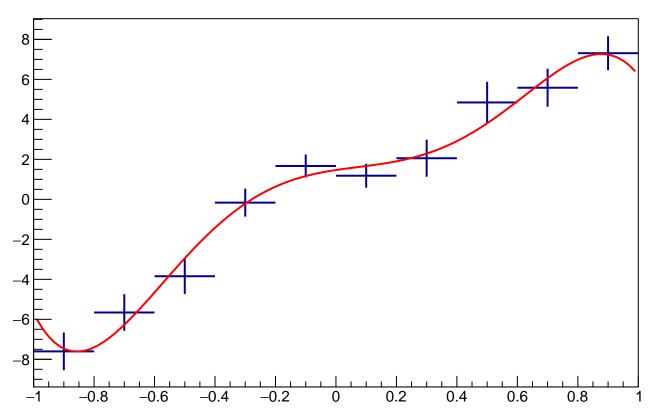
dy vs qfl (0.85mn > signal)



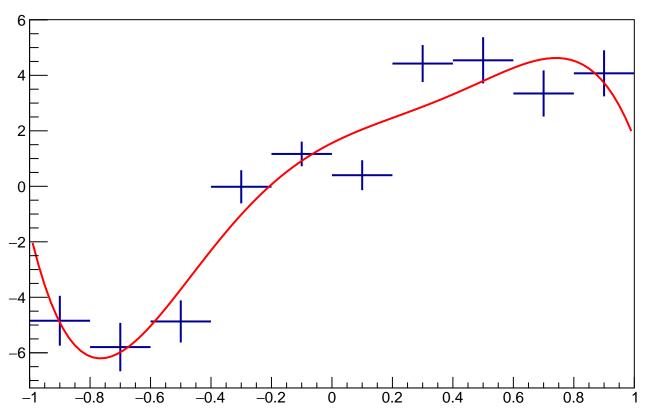
dx vs qfl (all sig)



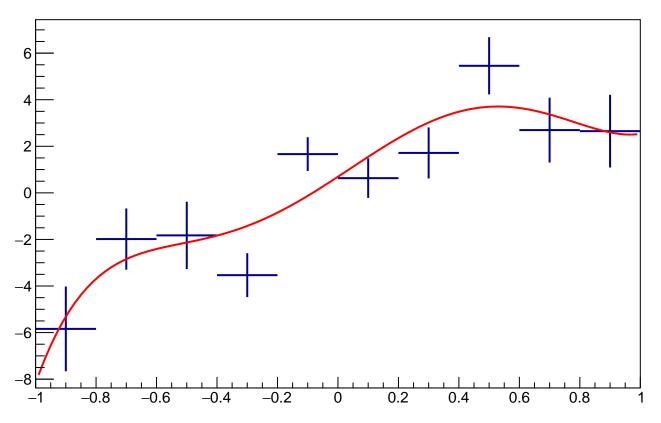
dx vs qfl (signal > 1.5mn)



dx vs qfl (1.5mn > signal > 1.0mn)



dx vs qfl (1.0mn > signal > 0.85mn)



dx vs qfl (0.85mn > signal)

