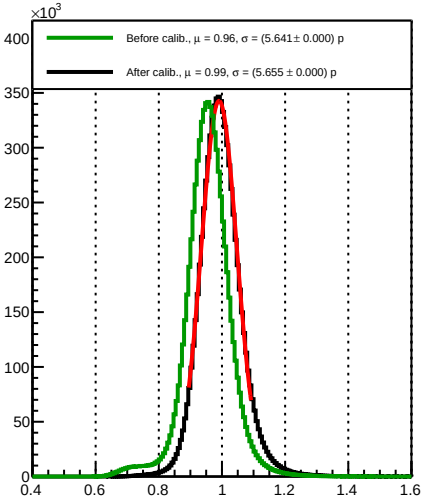
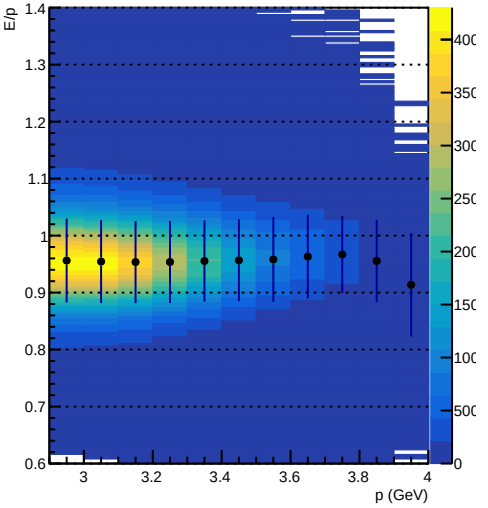
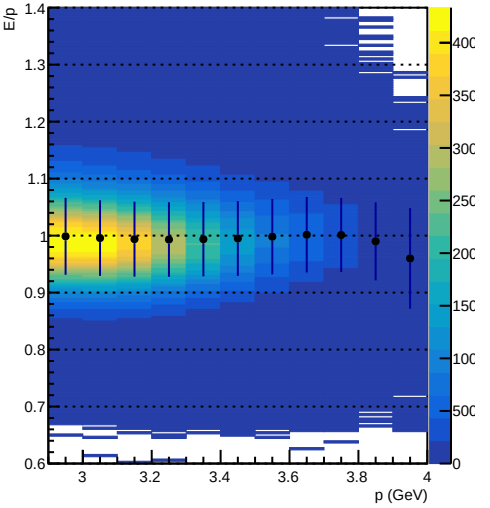
E/p



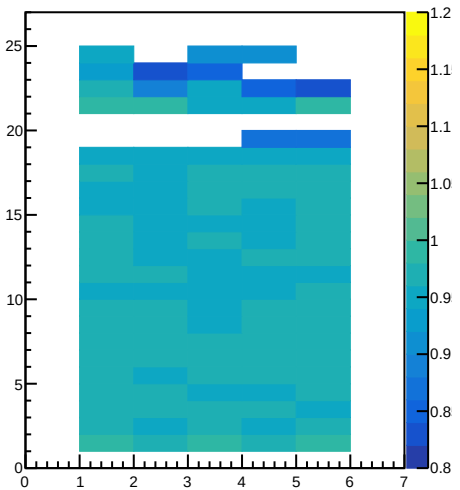
E/p vs p



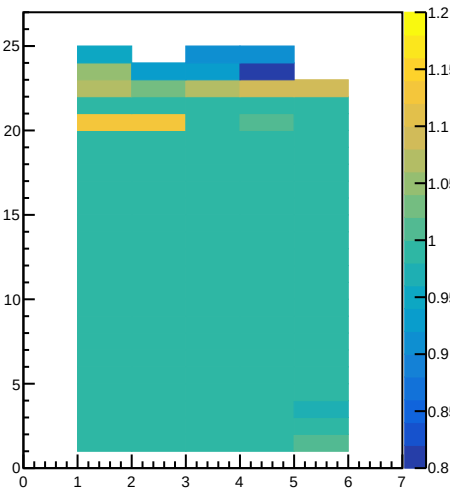
E/p vs p | After Calib.



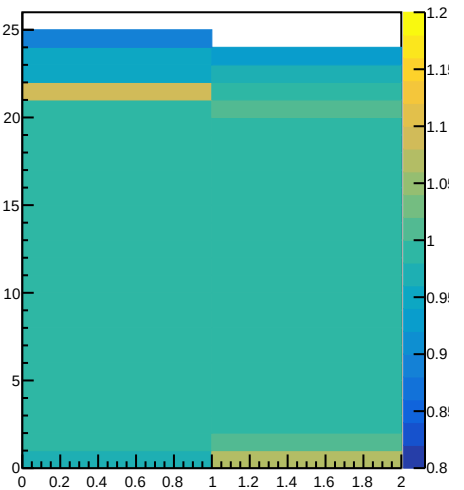
E/p per SH block



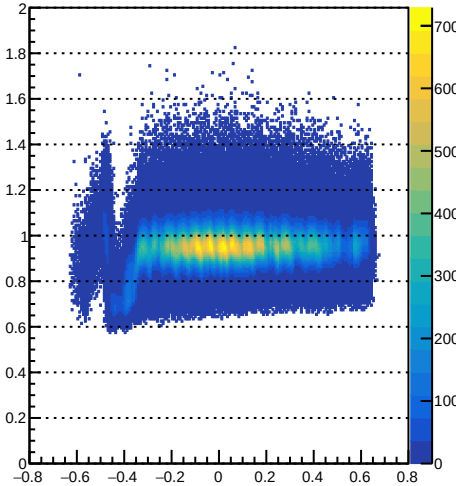
E/p per SH block | After Calib.



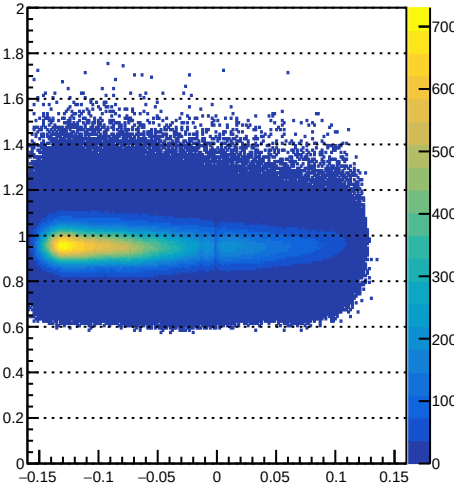
E/p per PS block | After Calib.



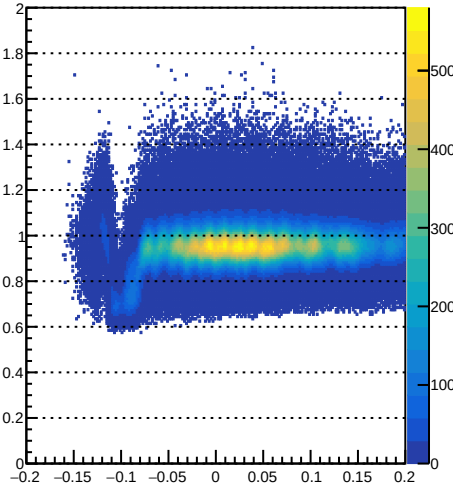
E/p vs Track x



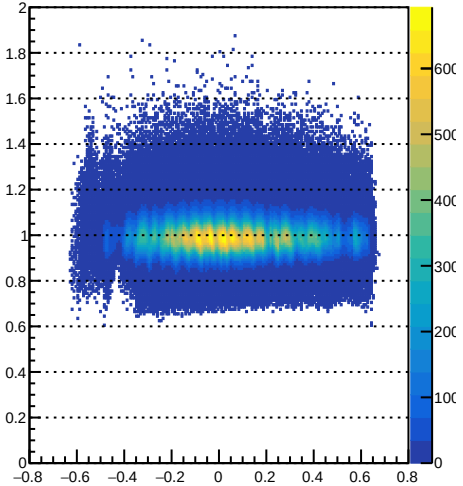
E/p vs Track y



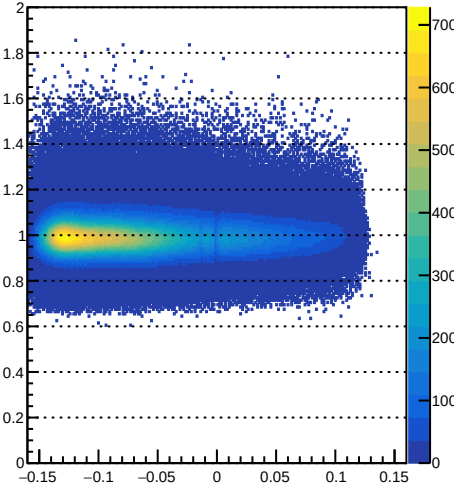
E/p vs Track theta



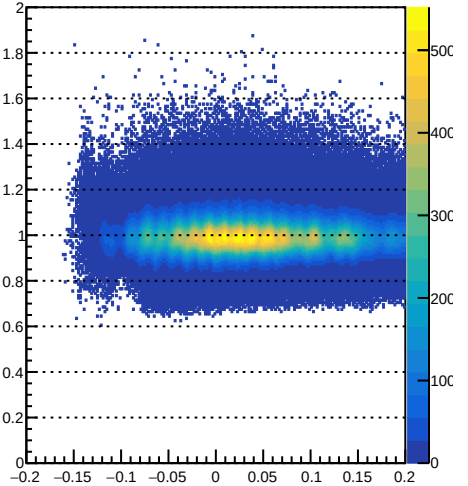
E/p vs Track x | After Calib.



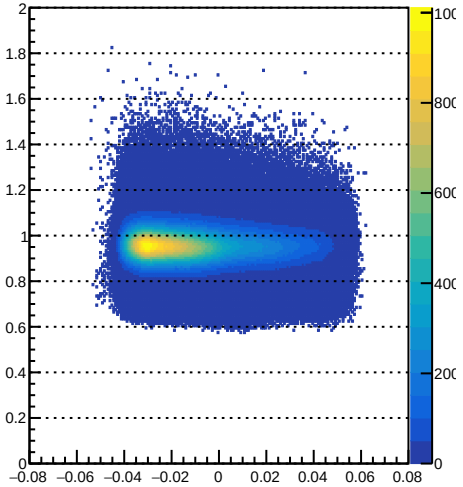
E/p vs Track y | After Calib.



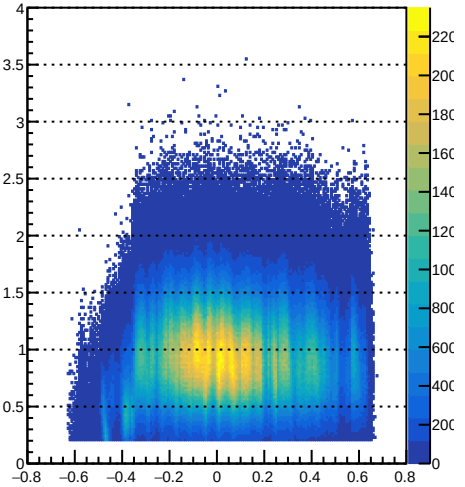
E/p vs Track theta | After Calib.



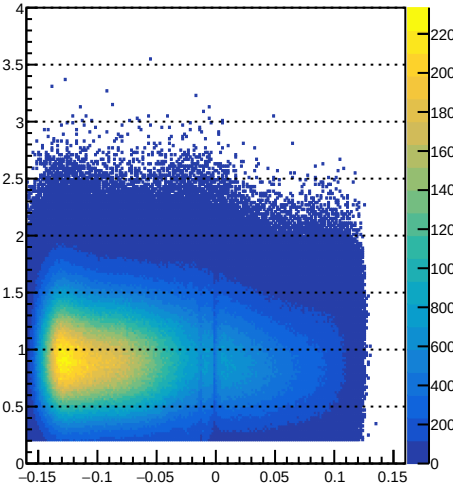
E/p vs Track phi



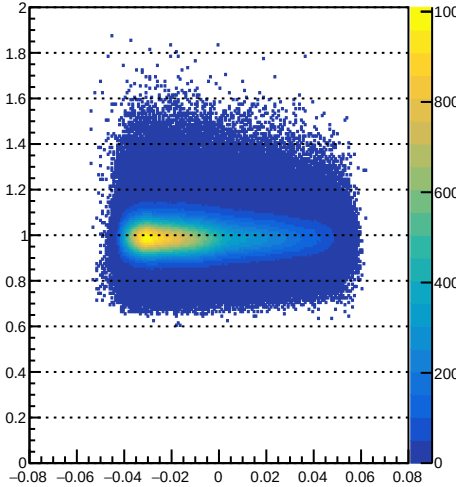
PS energy vs Track x



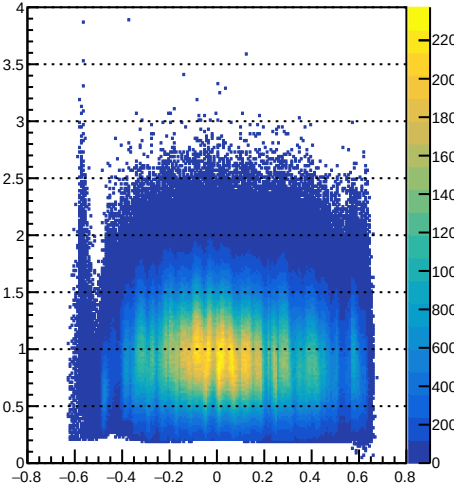
PS energy vs Track y



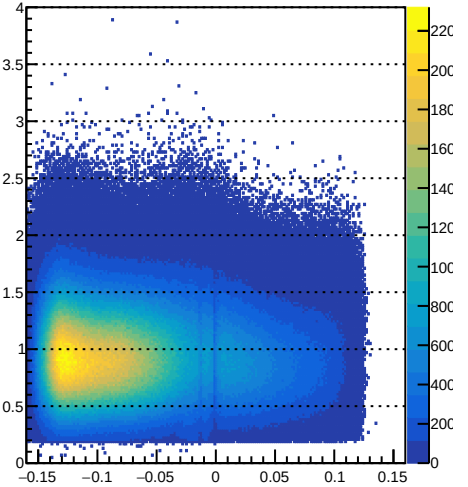
E/p vs Track phi | After Calib.

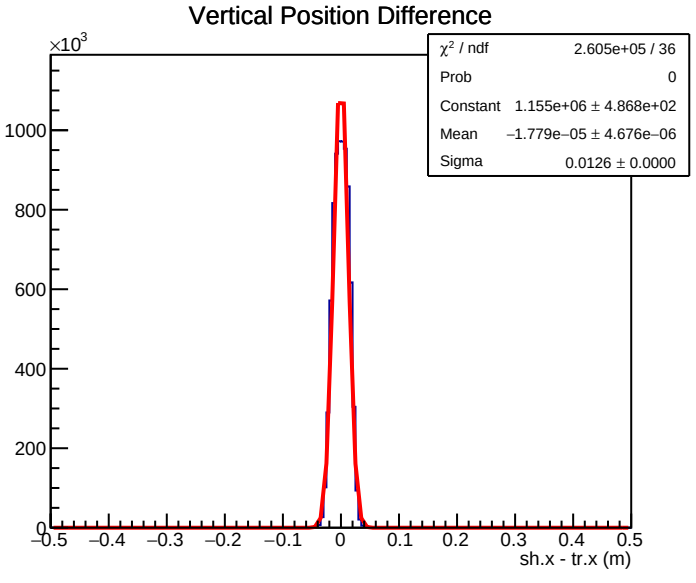


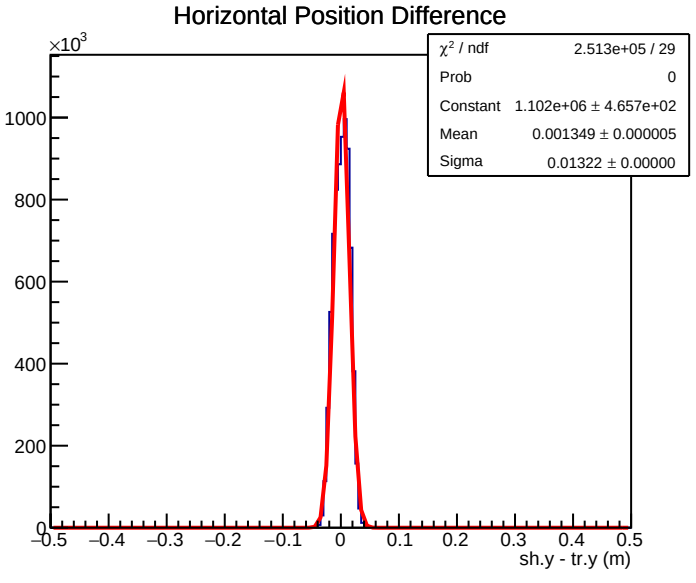
PS energy vs Track x | After Calib.

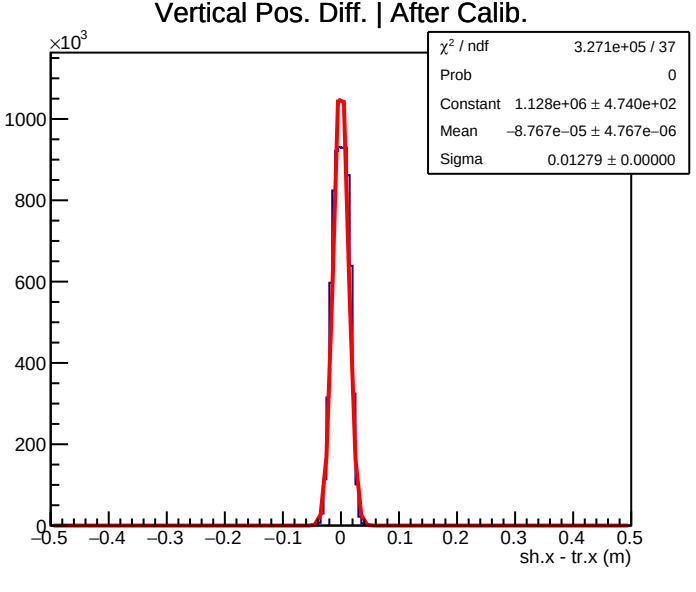


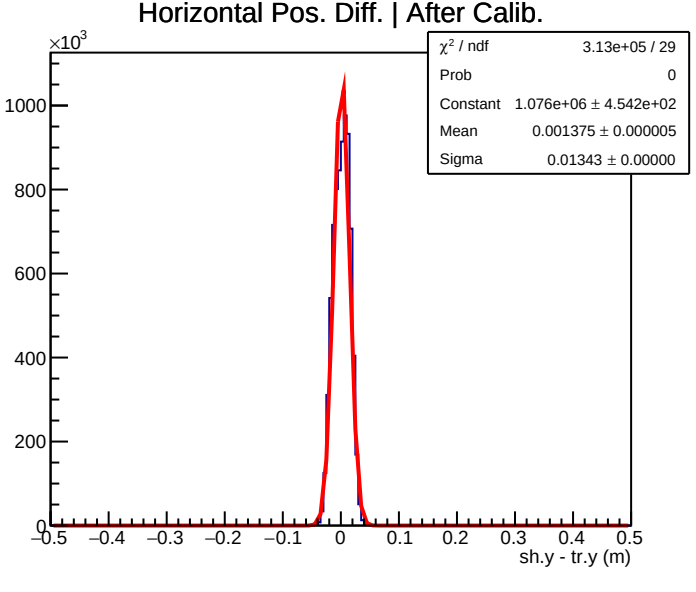
PS energy vs Track y | After Calib.



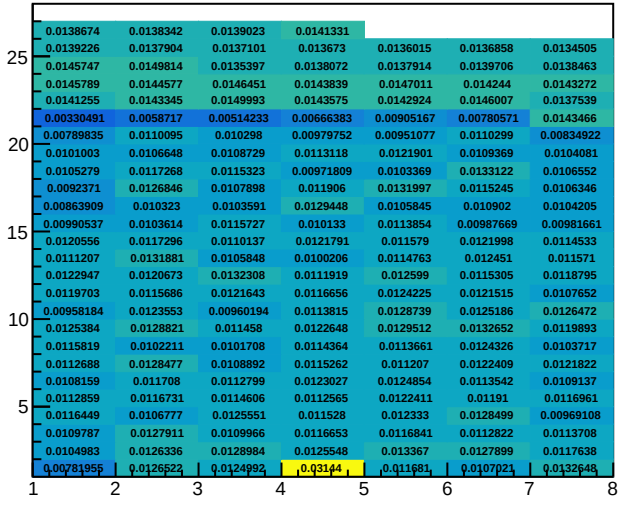

Vertical Position Difference
×10^3
χ² / ndf 2.605e+05 / 36
Prob 0
Constant 1.155e+06 ± 4.868e+02
Mean −1.779e−05 ± 4.676e−06
Sigma 0.0126 ± 0.0000
sh.x - tr.x (m)


Horizontal Position Difference
×10^3
χ² / ndf 2.513e+05 / 29
Prob 0
Constant 1.102e+06 ± 4.657e+02
Mean 0.001349 ± 0.000005
Sigma 0.01322 ± 0.00000
sh.y - tr.y (m)

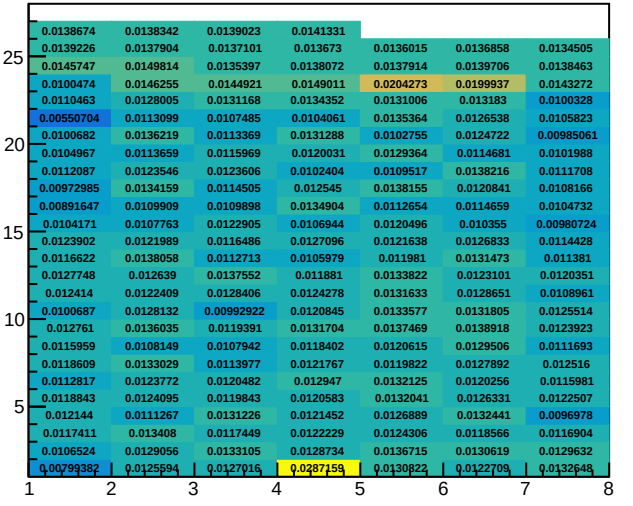

Vertical Pos. Diff. | After Calib.
×10^3
χ² / ndf 3.271e+05 / 37
Prob 0
Constant 1.128e+06 ± 4.740e+02
Mean −8.767e−05 ± 4.767e−06
Sigma 0.01279 ± 0.00000
sh.x - tr.x (m)


Horizontal Pos. Diff. | After Calib.
×10^3
χ² / ndf 3.13e+05 / 29
Prob 0
Constant 1.076e+06 ± 4.542e+02
Mean 0.001375 ± 0.000005
Sigma 0.01343 ± 0.00000
sh.y - tr.y (m)

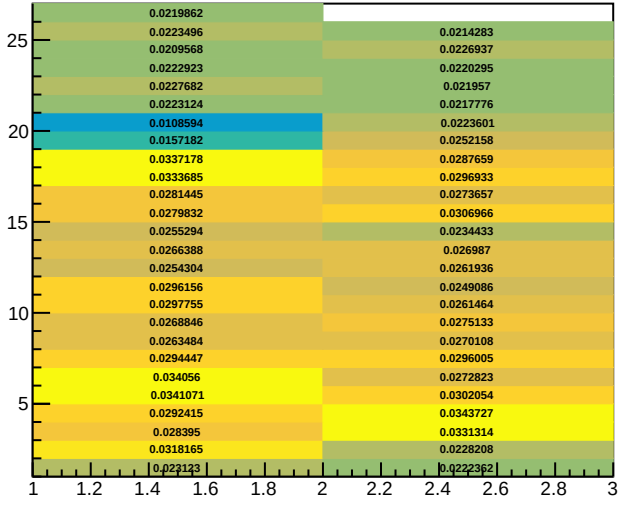
Old ADC Gain Coefficients | SH



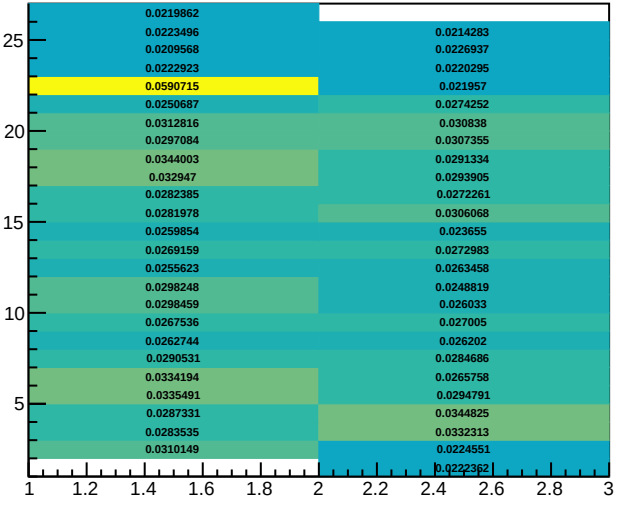
New ADC Gain Coefficients | SH



Old ADC Gain Coefficients | PS



New ADC Gain Coefficients | PS



Configfile: BBCal_replay/macros/Combined_macros/cfg/sbs8-sbs0p.cfg

Date of creation: 3/16/2023

Total no. of events analyzed: 24209121

E/p (before calib.) | μ = 0.96, σ = (5.641 $\pm$ 0.000) p

E/p (after calib.) | μ = 0.99, σ = (5.655 $\pm$ 0.000) p

Global cuts: bb.tr.n==1&&abs(bb.tr.vz[0])<0.08&&bb.gem.track.nhits>3&&bb.ps.e>0.2

p_recon > 2.9 GeV/c