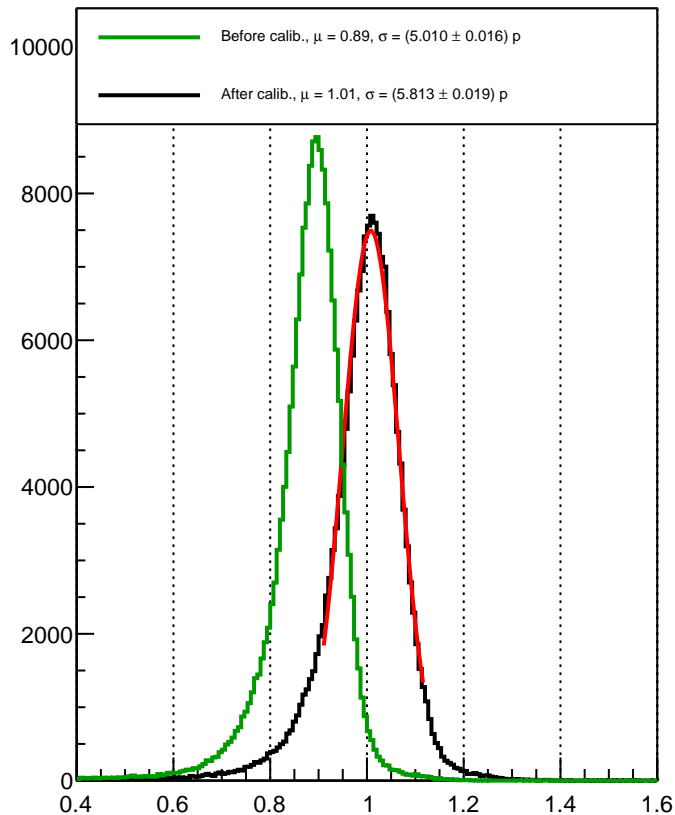
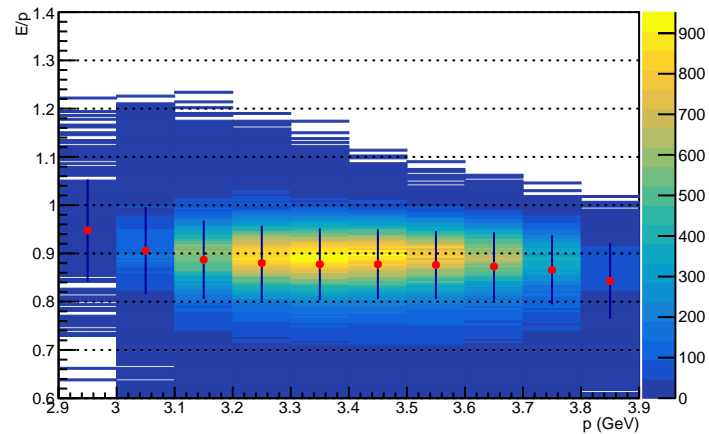


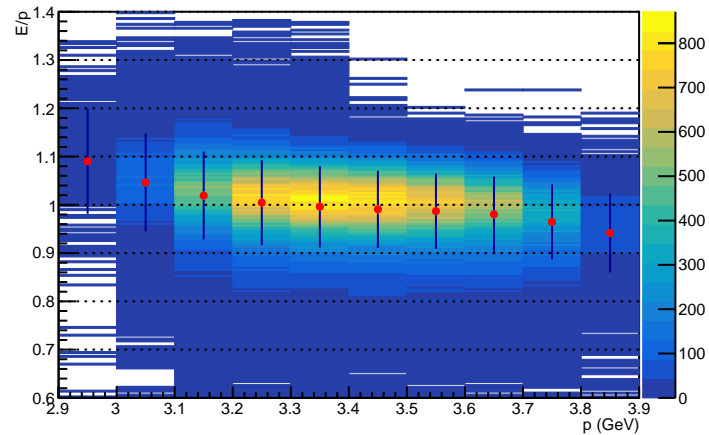
E/p (After)



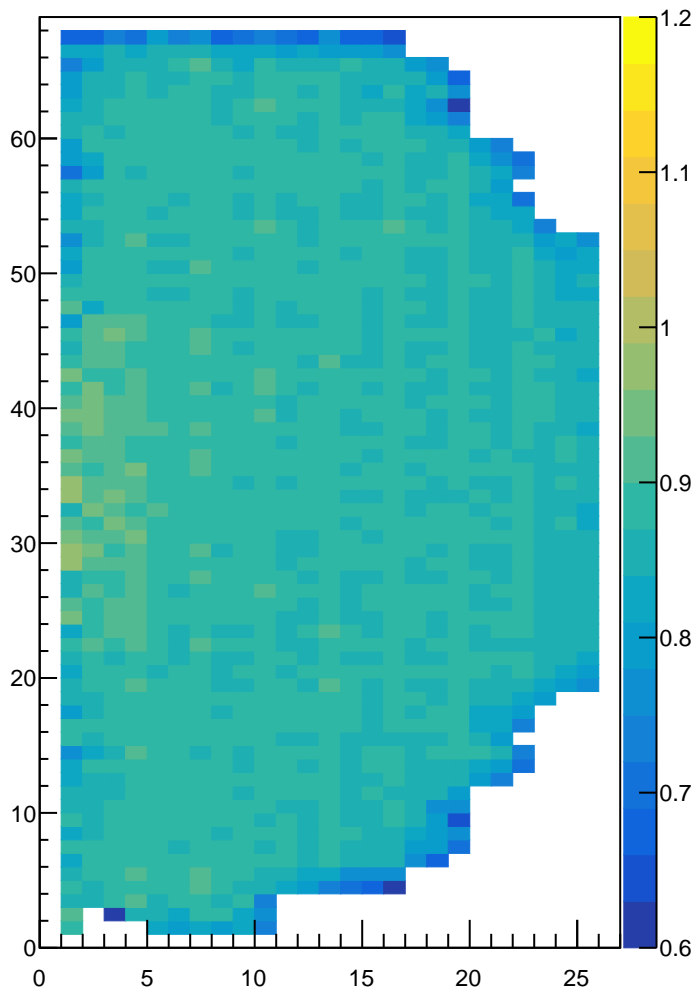
E/p vs p | Before



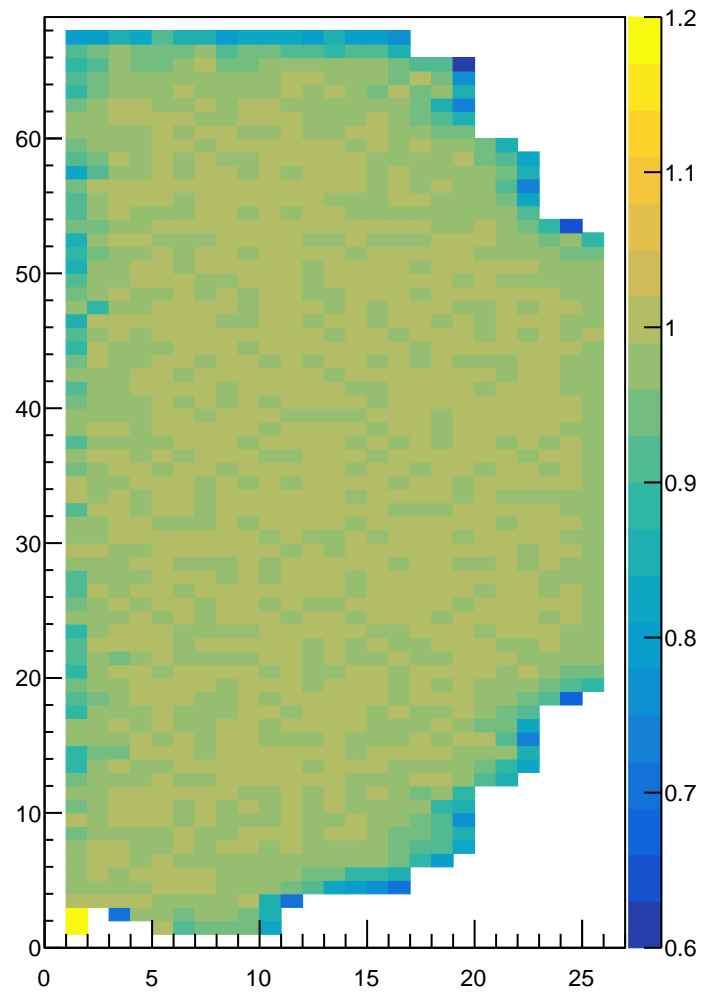
E/p vs p | After



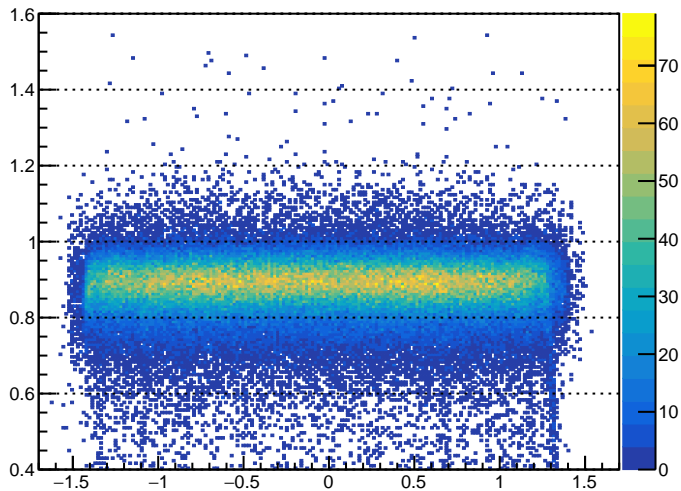
E/p per block | Before



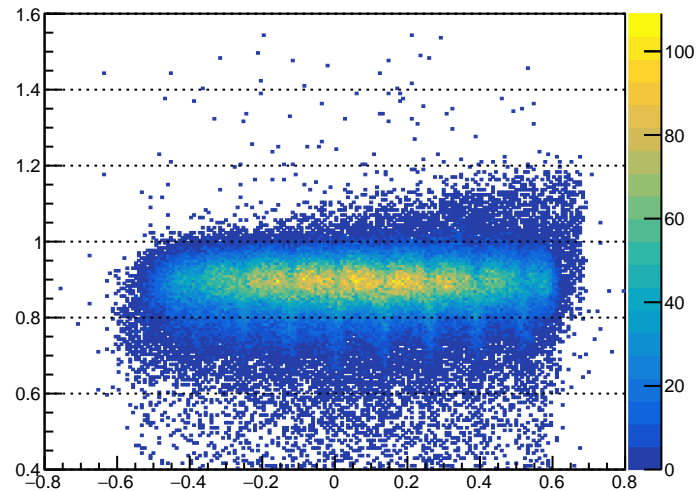
E/p per block | After



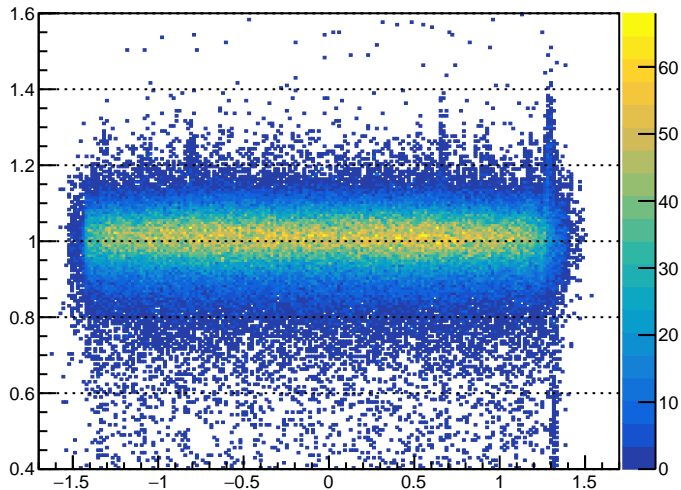
E/p vs xECAL Expected | Before



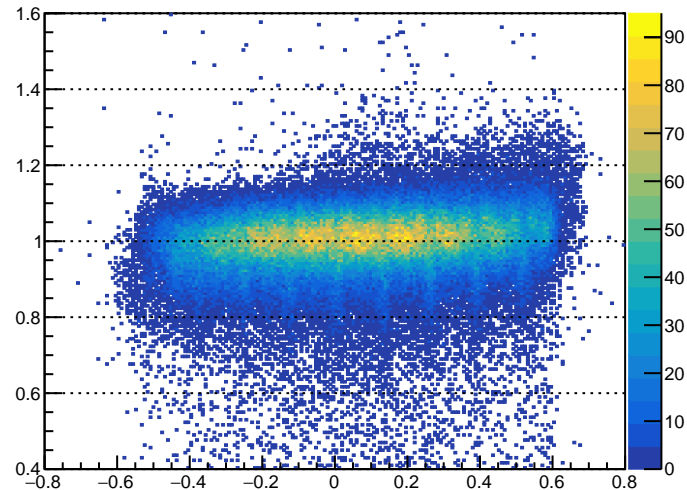
E/p vs yECAL Expected | Before



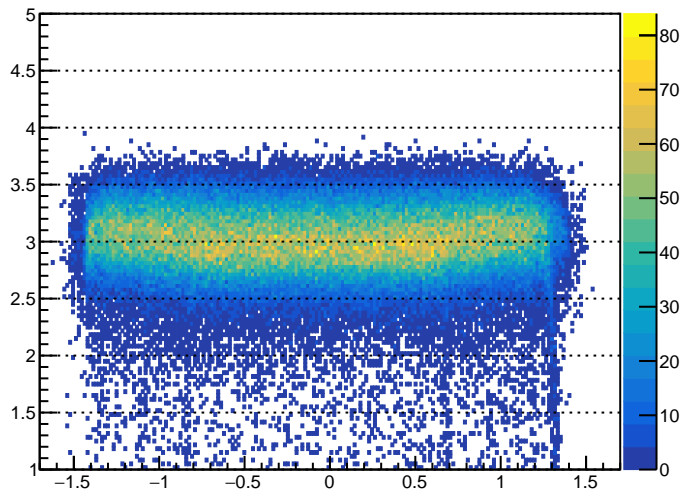
E/p vs xECAL Expected | After



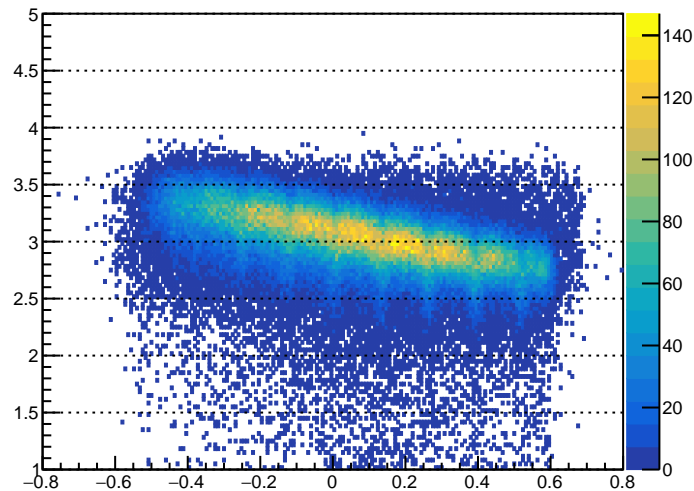
E/p vs yECAL Expected | After



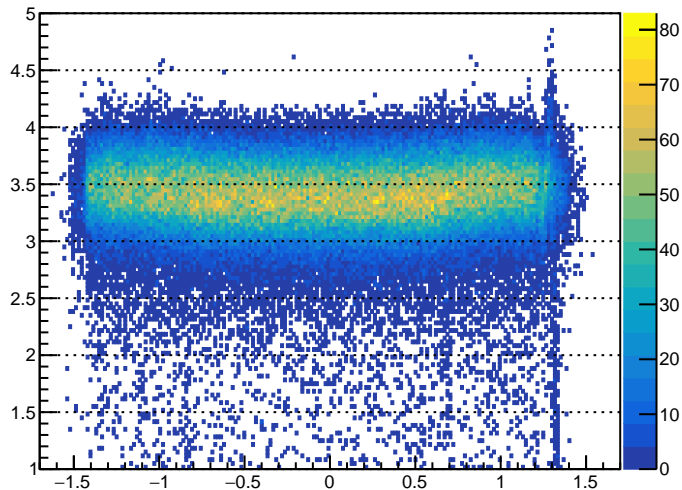
ECAL energy vs xECAL Expected | Before



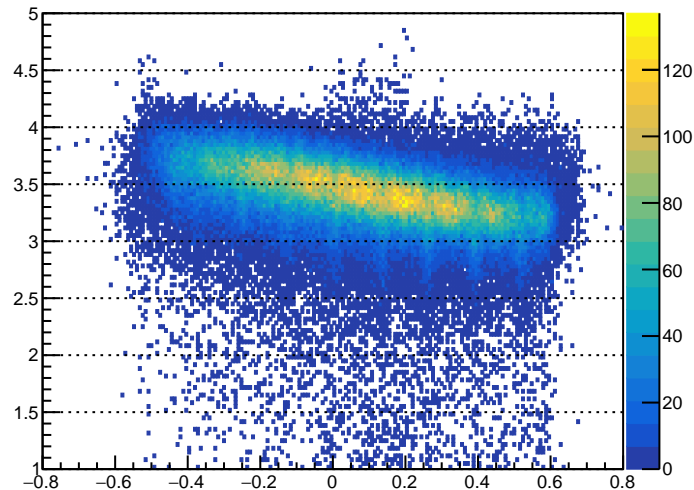
ECAL energy vs yECAL Expected | Before



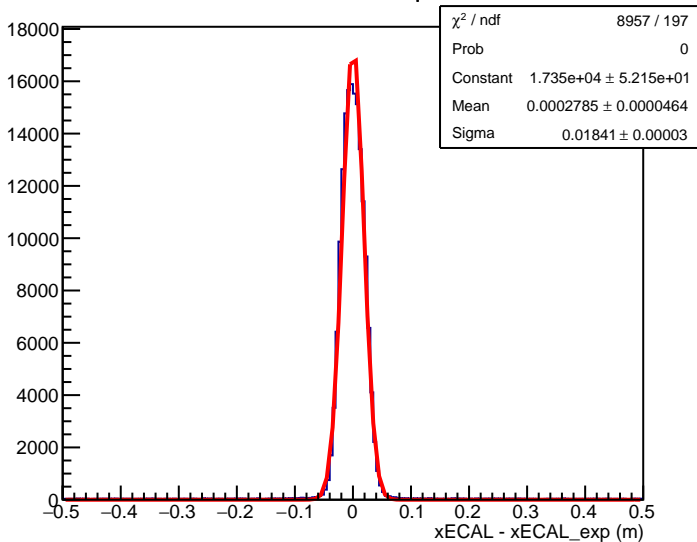
ECAL energy vs xECAL Expected | After



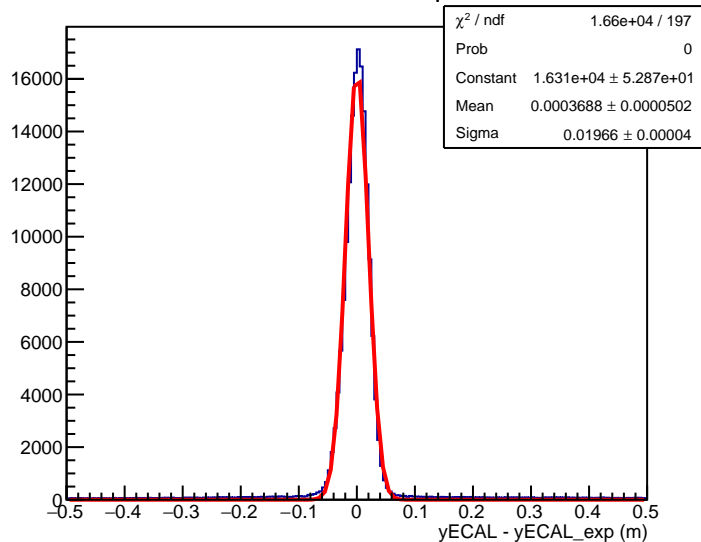
ECAL energy vs yECAL Expected | After



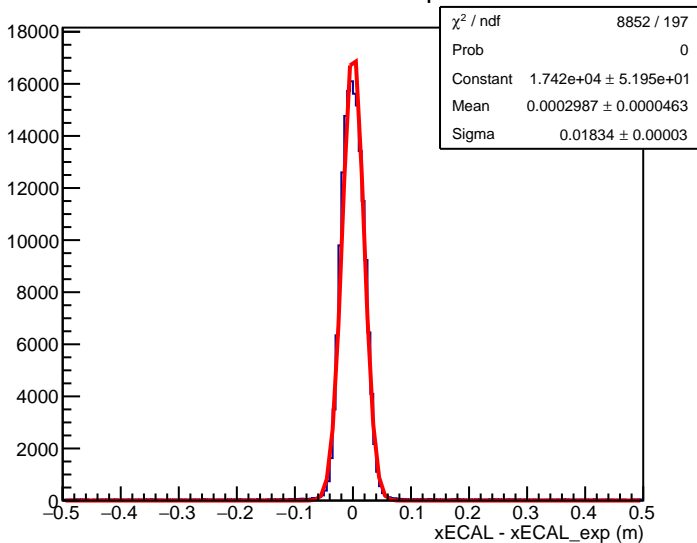
Vertical Pos. Diff. | Before



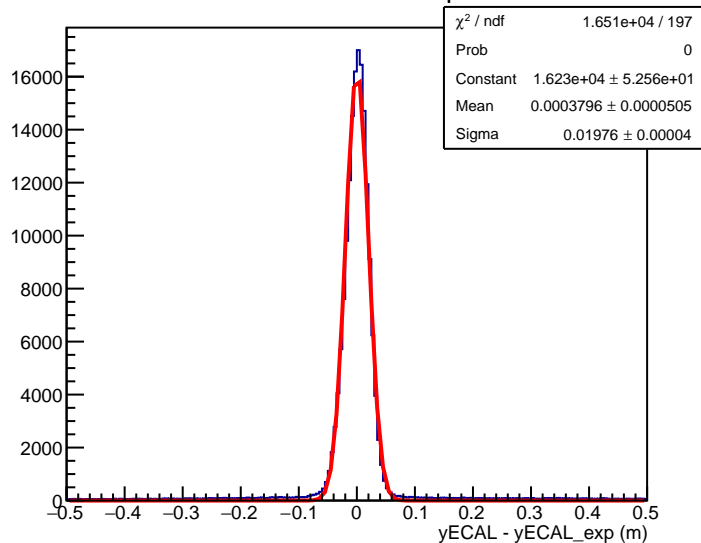
Horizontal Pos. Diff. | Before



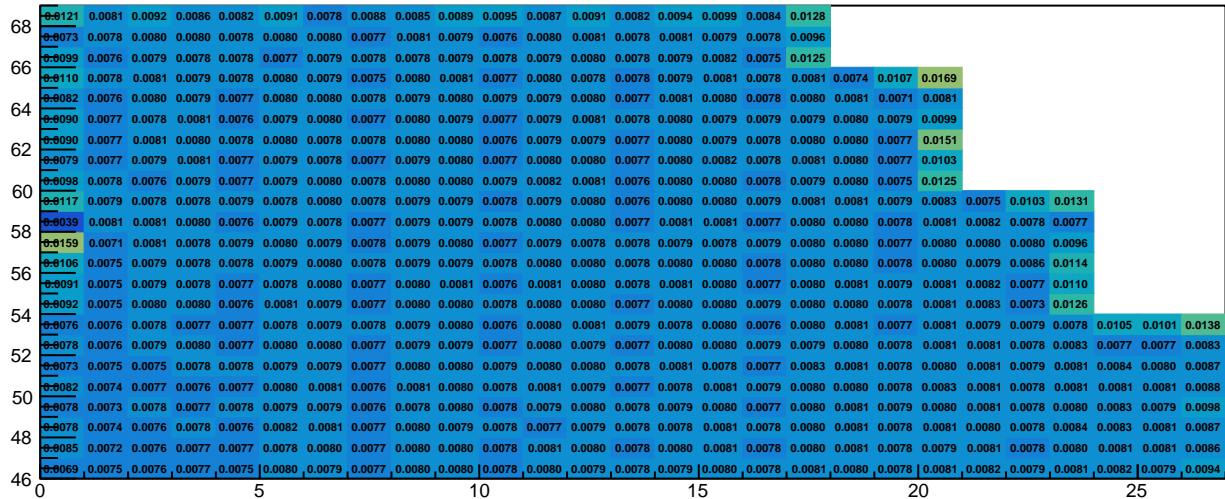
Vertical Pos. Diff. | After



Horizontal Pos. Diff. | After



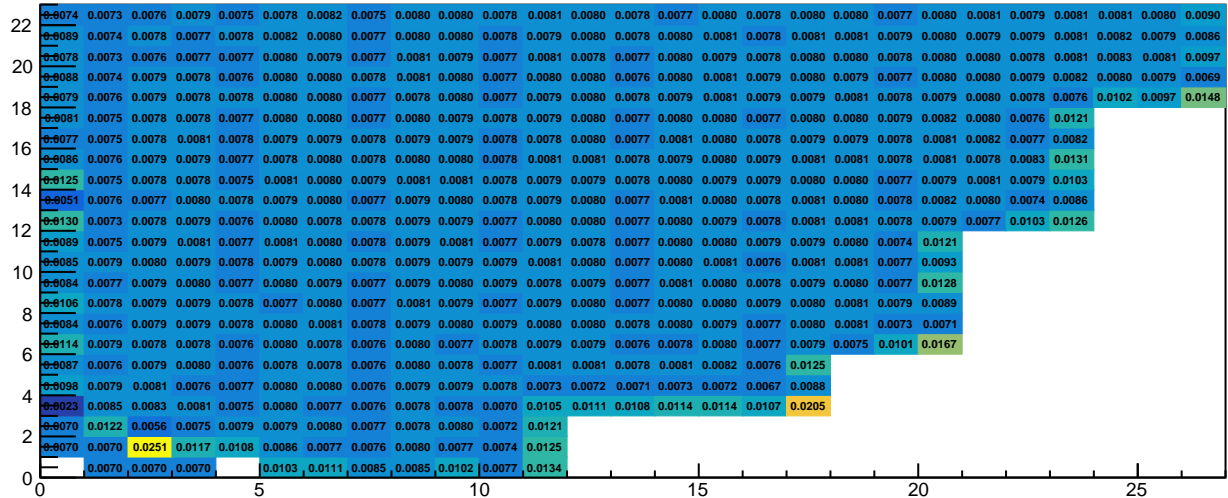
New ADC Gain Coefficients (Top 23 Rows)



New ADC Gain Coefficients (Middle 23 Rows)

45	0.0085	0.0071	0.0075	0.0074	0.0074	0.0078	0.0080	0.0076	0.0078	0.0079	0.0077	0.0080	0.0080	0.0079	0.0080	0.0080	0.0079	0.0080	0.0080	0.0078	0.0080	0.0081	0.0080	0.0079	0.0083	0.0079	0.0088
	0.0072	0.0073	0.0076	0.0076	0.0077	0.0079	0.0077	0.0080	0.0080	0.0077	0.0080	0.0080	0.0077	0.0079	0.0080	0.0080	0.0080	0.0078	0.0081	0.0081	0.0079	0.0081	0.0081	0.0081	0.0082	0.0080	
	0.0108	0.0071	0.0077	0.0077	0.0075	0.0078	0.0080	0.0077	0.0078	0.0080	0.0078	0.0080	0.0077	0.0081	0.0081	0.0078	0.0080	0.0080	0.0080	0.0080	0.0080	0.0081	0.0079	0.0080	0.0082	0.0080	0.0095
	0.0077	0.0072	0.0077	0.0077	0.0074	0.0080	0.0078	0.0078	0.0079	0.0078	0.0076	0.0079	0.0079	0.0078	0.0080	0.0080	0.0078	0.0080	0.0081	0.0077	0.0080	0.0083	0.0079	0.0080	0.0082	0.0080	0.0085
40	0.0081	0.0072	0.0071	0.0078	0.0076	0.0080	0.0078	0.0077	0.0080	0.0080	0.0077	0.0079	0.0081	0.0077	0.0079	0.0080	0.0077	0.0080	0.0081	0.0079	0.0080	0.0081	0.0078	0.0079	0.0081	0.0077	0.0107
	0.0070	0.0073	0.0075	0.0075	0.0075	0.0078	0.0078	0.0077	0.0079	0.0079	0.0077	0.0080	0.0079	0.0077	0.0080	0.0080	0.0077	0.0080	0.0080	0.0079	0.0079	0.0082	0.0079	0.0079	0.0081	0.0077	0.0095
	0.0084	0.0072	0.0074	0.0076	0.0075	0.0078	0.0080	0.0078	0.0080	0.0080	0.0076	0.0080	0.0079	0.0077	0.0081	0.0079	0.0079	0.0079	0.0081	0.0078	0.0080	0.0082	0.0079	0.0080	0.0081	0.0079	0.0095
	0.0088	0.0071	0.0073	0.0078	0.0076	0.0078	0.0078	0.0076	0.0080	0.0081	0.0077	0.0080	0.0080	0.0078	0.0082	0.0080	0.0077	0.0080	0.0079	0.0078	0.0080	0.0080	0.0077	0.0081	0.0080	0.0081	0.0087
35	0.0066	0.0074	0.0075	0.0076	0.0075	0.0078	0.0078	0.0078	0.0078	0.0079	0.0079	0.0078	0.0081	0.0080	0.0078	0.0079	0.0080	0.0081	0.0078	0.0079	0.0080	0.0081	0.0078	0.0080	0.0080	0.0078	0.0081
	0.0065	0.0071	0.0076	0.0075	0.0076	0.0077	0.0079	0.0077	0.0079	0.0080	0.0077	0.0078	0.0080	0.0078	0.0079	0.0081	0.0077	0.0080	0.0080	0.0079	0.0081	0.0079	0.0081	0.0080	0.0078	0.0100	
	0.0063	0.0074	0.0077	0.0075	0.0075	0.0078	0.0079	0.0076	0.0080	0.0080	0.0077	0.0079	0.0078	0.0078	0.0081	0.0079	0.0078	0.0080	0.0080	0.0078	0.0079	0.0079	0.0079	0.0081	0.0081	0.0086	
	0.0086	0.0069	0.0076	0.0075	0.0074	0.0079	0.0078	0.0077	0.0079	0.0080	0.0077	0.0080	0.0080	0.0077	0.0080	0.0080	0.0079	0.0079	0.0081	0.0079	0.0081	0.0081	0.0078	0.0082	0.0079	0.0100	
30	0.0075	0.0070	0.0076	0.0075	0.0075	0.0079	0.0080	0.0079	0.0080	0.0080	0.0078	0.0078	0.0079	0.0077	0.0080	0.0082	0.0078	0.0081	0.0080	0.0079	0.0080	0.0081	0.0079	0.0080	0.0080	0.0079	0.0096
	0.0081	0.0074	0.0073	0.0076	0.0077	0.0075	0.0080	0.0077	0.0079	0.0080	0.0077	0.0081	0.0081	0.0079	0.0078	0.0079	0.0080	0.0078	0.0081	0.0079	0.0077	0.0081	0.0079	0.0079	0.0081	0.0080	0.0081
	0.0060	0.0077	0.0076	0.0073	0.0076	0.0079	0.0079	0.0077	0.0079	0.0079	0.0078	0.0078	0.0079	0.0081	0.0078	0.0081	0.0077	0.0078	0.0080	0.0080	0.0078	0.0080	0.0082	0.0078	0.0080	0.0081	0.0098
	0.0059	0.0071	0.0076	0.0076	0.0073	0.0079	0.0079	0.0077	0.0080	0.0079	0.0077	0.0080	0.0079	0.0079	0.0079	0.0081	0.0078	0.0080	0.0080	0.0078	0.0080	0.0080	0.0080	0.0080	0.0079	0.0079	0.0089
25	0.0069	0.0073	0.0072	0.0078	0.0075	0.0079	0.0080	0.0076	0.0081	0.0080	0.0078	0.0080	0.0080	0.0079	0.0079	0.0080	0.0078	0.0080	0.0082	0.0077	0.0081	0.0081	0.0079	0.0080	0.0080	0.0080	0.0089
	0.0072	0.0069	0.0075	0.0076	0.0076	0.0077	0.0080	0.0078	0.0077	0.0081	0.0077	0.0082	0.0079	0.0078	0.0080	0.0080	0.0078	0.0081	0.0079	0.0079	0.0082	0.0081	0.0077	0.0081	0.0080	0.0079	0.0086
	0.0072	0.0073	0.0078	0.0077	0.0073	0.0081	0.0080	0.0077	0.0079	0.0080	0.0077	0.0080	0.0080	0.0078	0.0080	0.0081	0.0078	0.0080	0.0081	0.0079	0.0081	0.0080	0.0080	0.0080	0.0079	0.0094	
	0.0083	0.0072	0.0075	0.0077	0.0075	0.0079	0.0080	0.0077	0.0079	0.0079	0.0076	0.0080	0.0080	0.0079	0.0081	0.0079	0.0077	0.0079	0.0081	0.0076	0.0081	0.0080	0.0080	0.0077	0.0080	0.0081	0.0080
20	0.0077	0.0073	0.0079	0.0076	0.0077	0.0079	0.0080	0.0078	0.0080	0.0080	0.0078	0.0079	0.0080	0.0077	0.0081	0.0080	0.0077	0.0080	0.0080	0.0078	0.0081	0.0081	0.0078	0.0082	0.0080	0.0080	0.0079
	0.0079	0.0072	0.0077	0.0076	0.0075	0.0078	0.0080	0.0076	0.0079	0.0080	0.0077	0.0080	0.0081	0.0077	0.0080	0.0080	0.0078	0.0080	0.0081	0.0079	0.0080	0.0079	0.0078	0.0081	0.0081	0.0078	0.0098
	0.0084	0.0071	0.0079	0.0075	0.0076	0.0079	0.0079	0.0077	0.0081	0.0080	0.0078	0.0081	0.0078	0.0078	0.0079	0.0081	0.0078	0.0080	0.0081	0.0078	0.0081	0.0081	0.0077	0.0081	0.0082	0.0080	0.0090

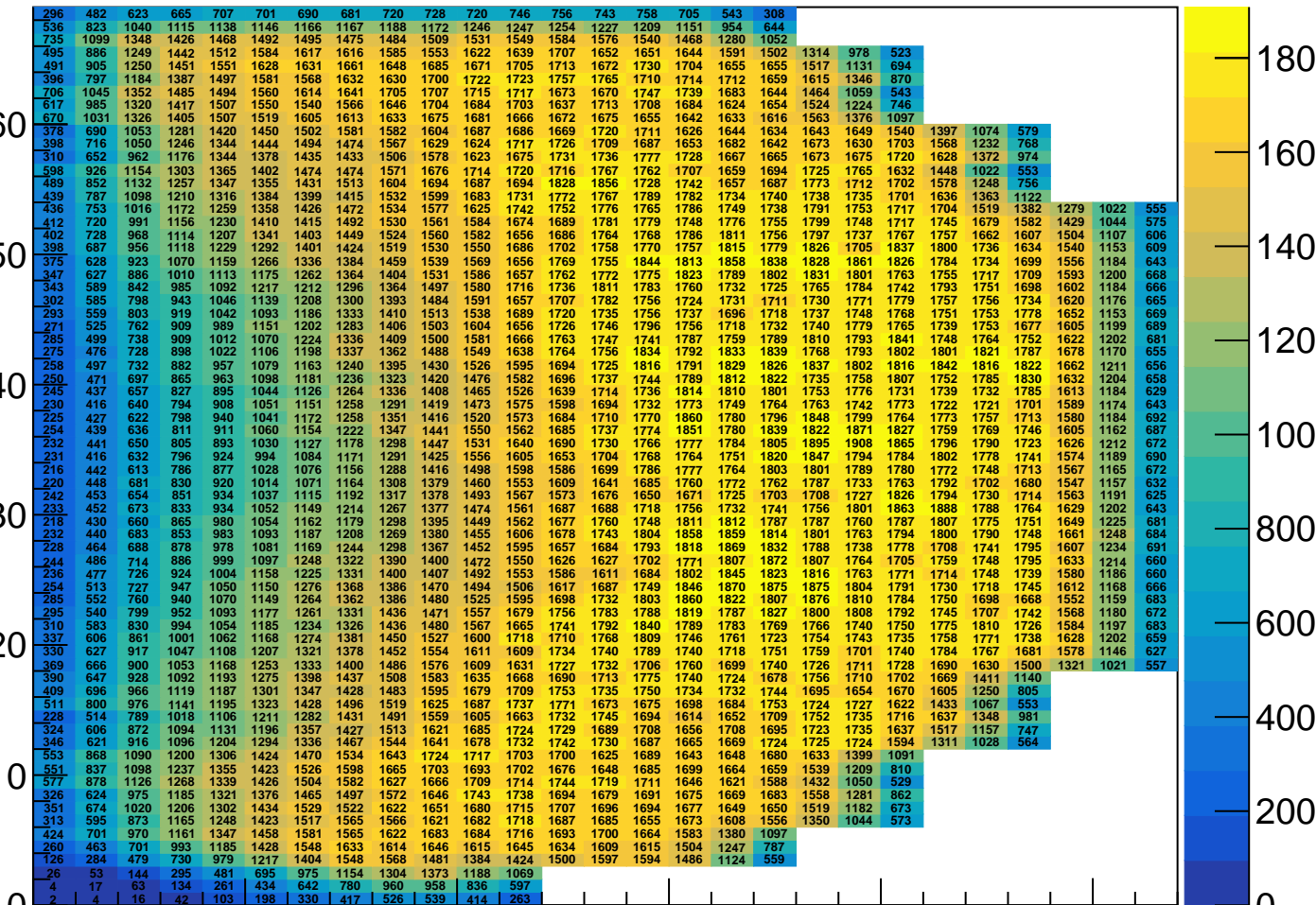
New ADC Gain Coefficients (Bottom 23 Rows)



Number of Good Events per Block

ECAL rows

ECAL cols



Date of creation: 4/6/2025

Configfile: ECAL_replay/scripts/cfg/GEP1_elas_calib_MC_noBADchCut.cfg

Total # events analyzed: 569188

E/p (before calib.) | $\mu = 0.89$, $\sigma = (5.010 \pm 0.016)$ p

E/p (after calib.) | $\mu = 1.01$, $\sigma = (5.813 \pm 0.019)$ p

Global cuts:

sbs.tr.p[0]<6, sbs.tr.vz[0]<0.1, sbs.tr.vz[0]>-0.25,

sbs.gemFT.track.chi2ndf<10, sbs.hcal.e>0.05,

events passed global cuts: 184561

Other cuts:

Minimum # events per block: 50 | Cluster hit threshold: 0.00 GeV

Cluster tmax cut: 100.0 ns | Cluster energy fraction cut: 0.0 GeV

Macro processing time: CPU 1779.3s | Real 1792.1s