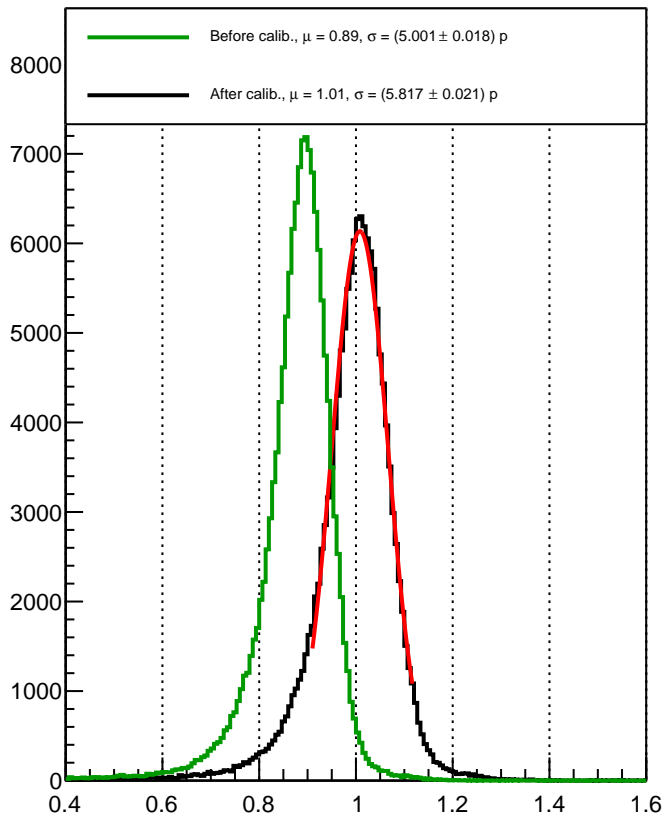
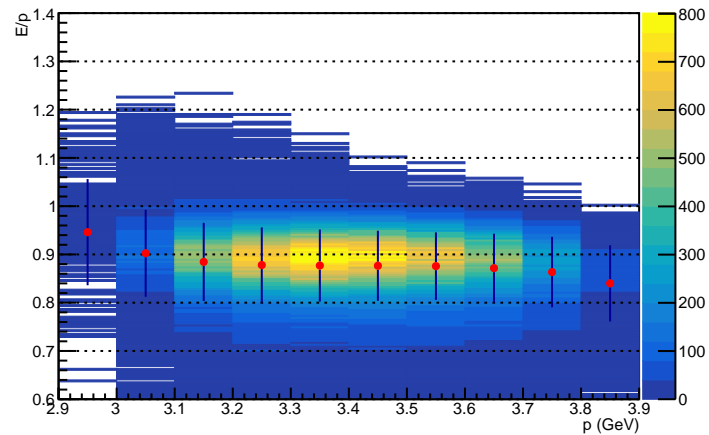


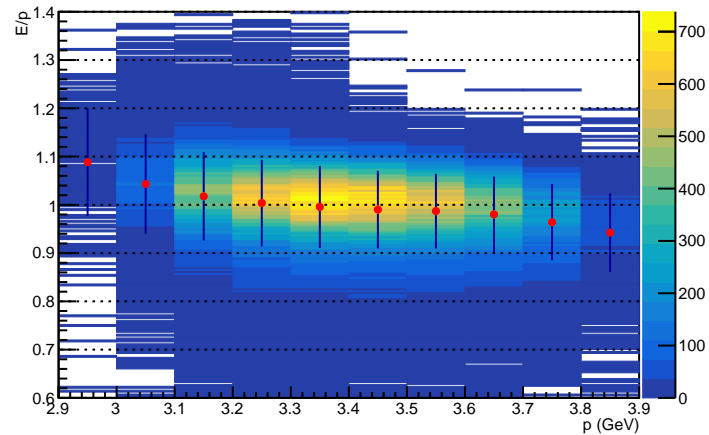
E/p (After)



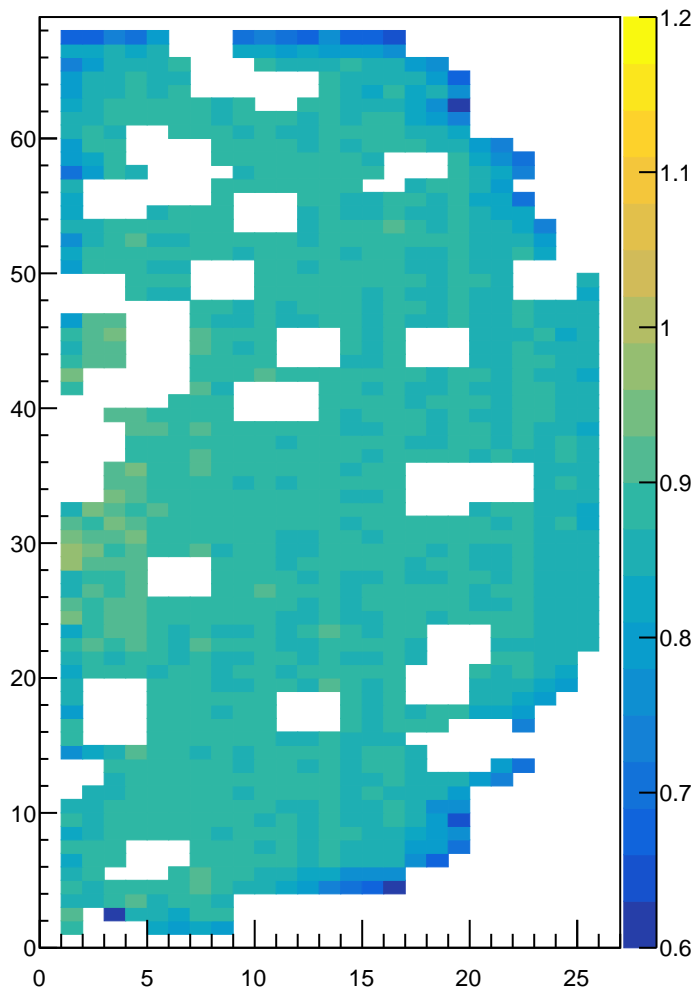
E/p vs p | Before



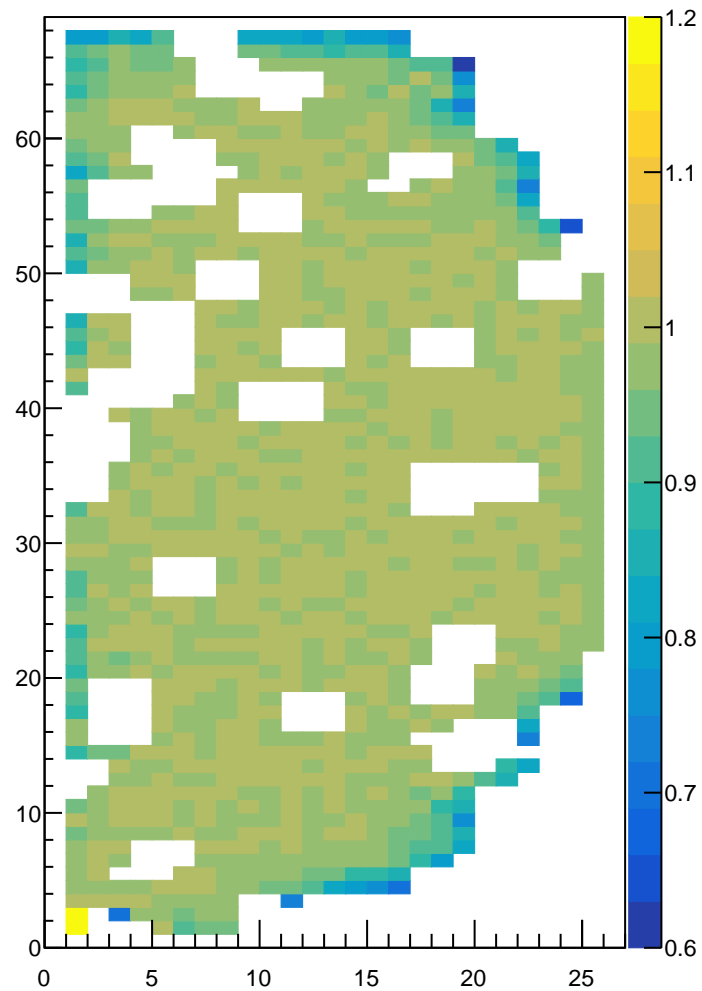
E/p vs p | After



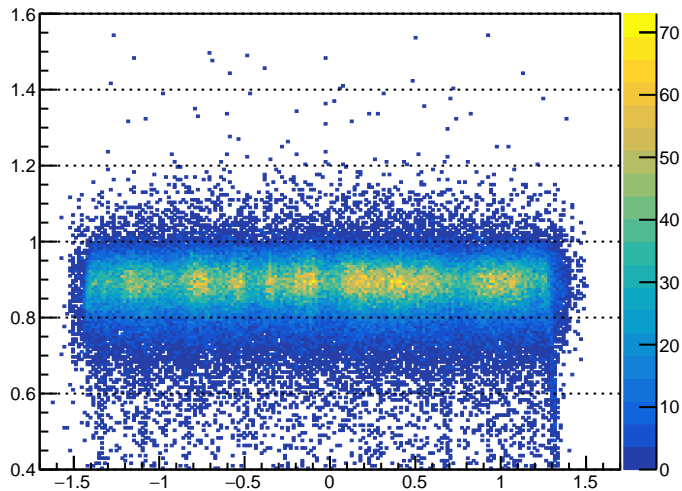
E/p per block | Before



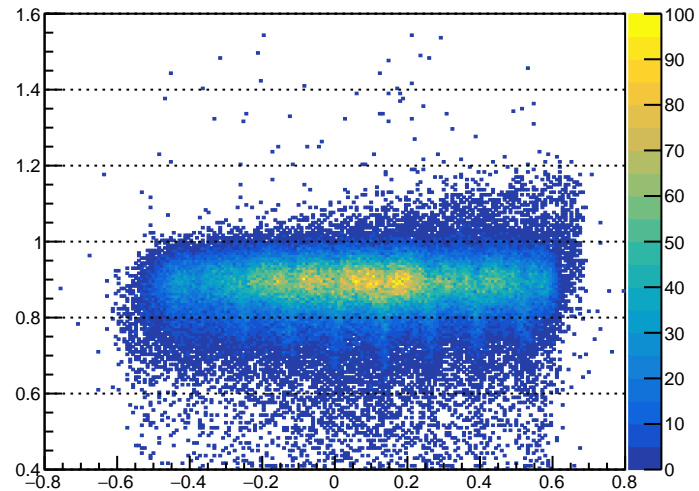
E/p per block | After



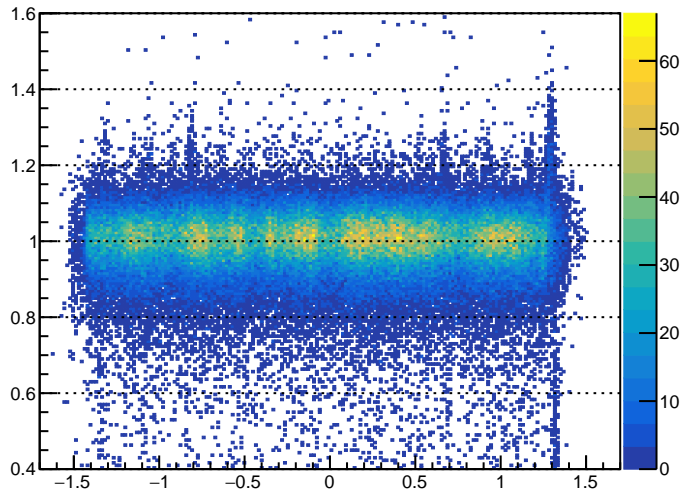
E/p vs xECAL Expected | Before



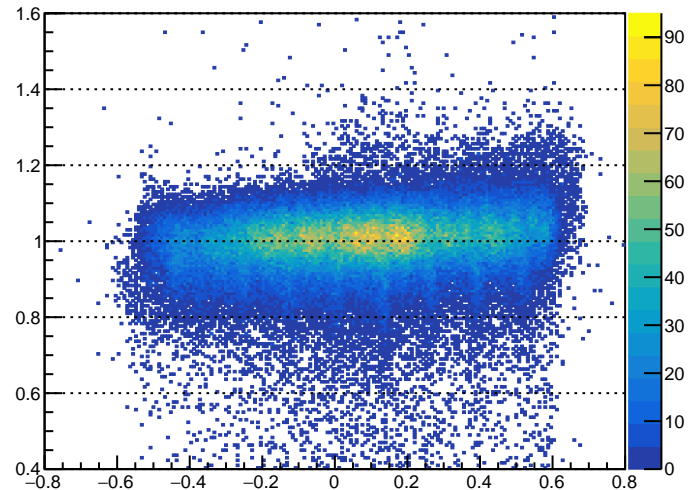
E/p vs yECAL Expected | Before



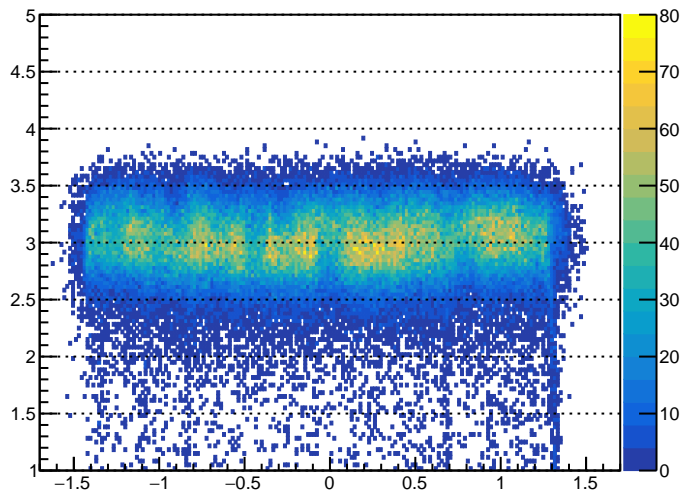
E/p vs xECAL Expected | After



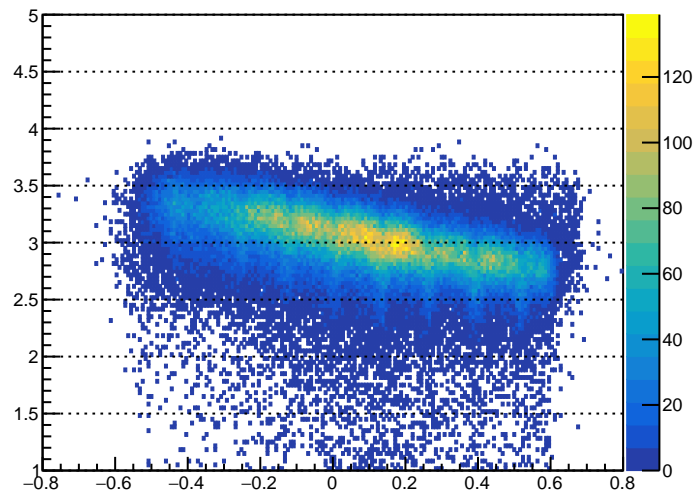
E/p vs yECAL Expected | After



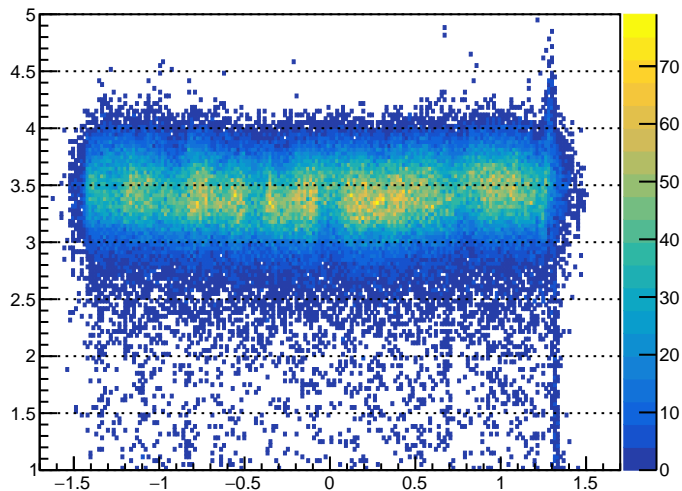
ECAL energy vs xECAL Expected | Before



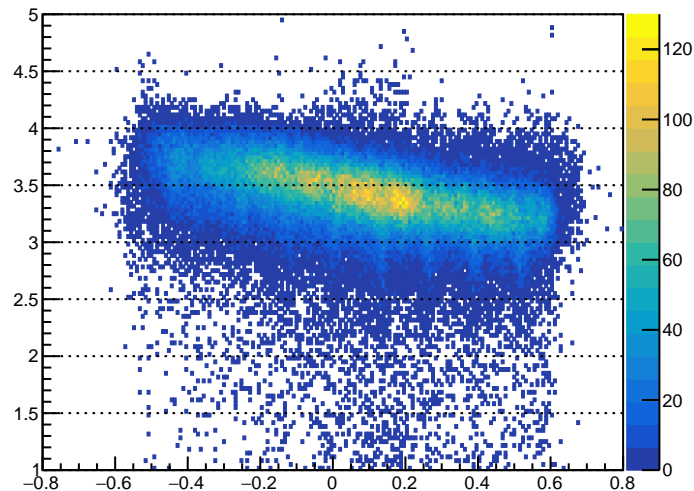
ECAL energy vs yECAL Expected | Before



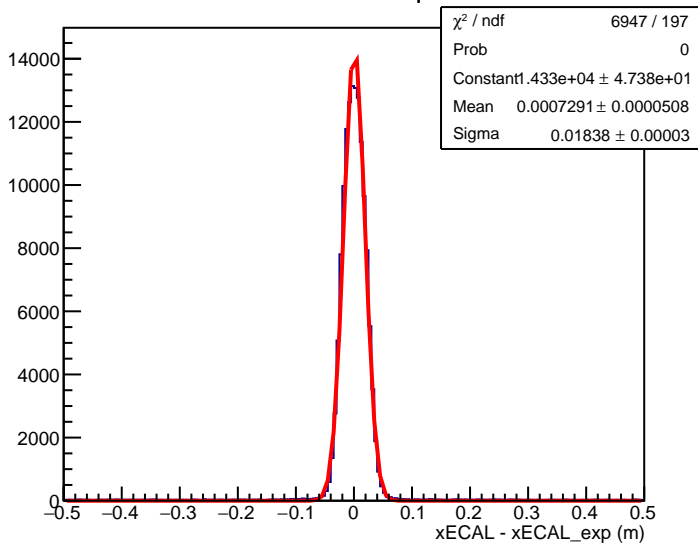
ECAL energy vs xECAL Expected | After



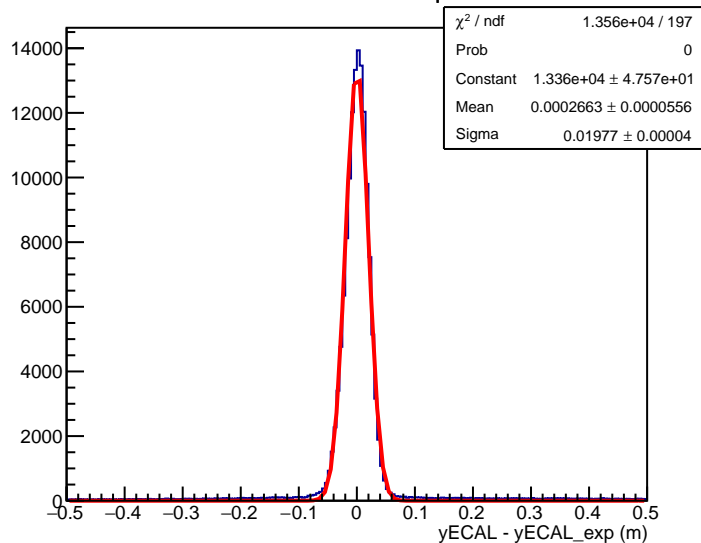
ECAL energy vs yECAL Expected | After



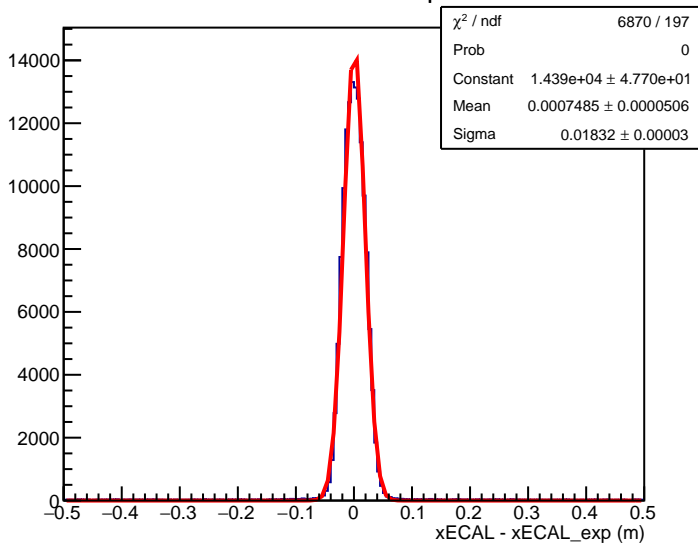
Vertical Pos. Diff. | Before



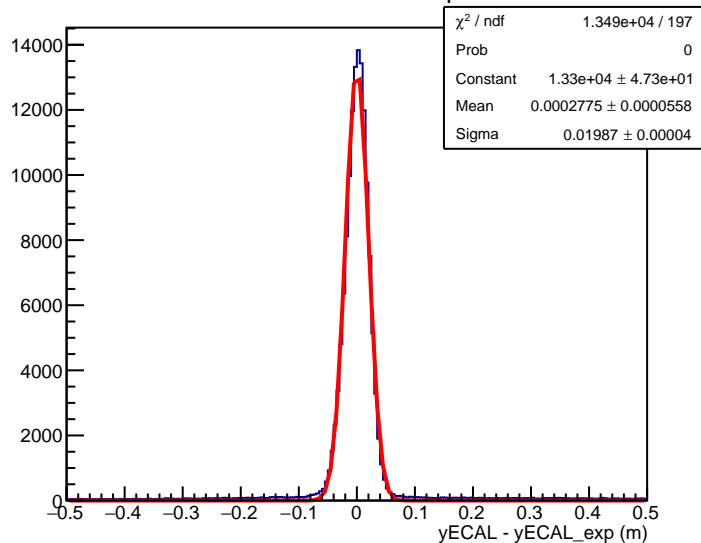
Horizontal Pos. Diff. | Before



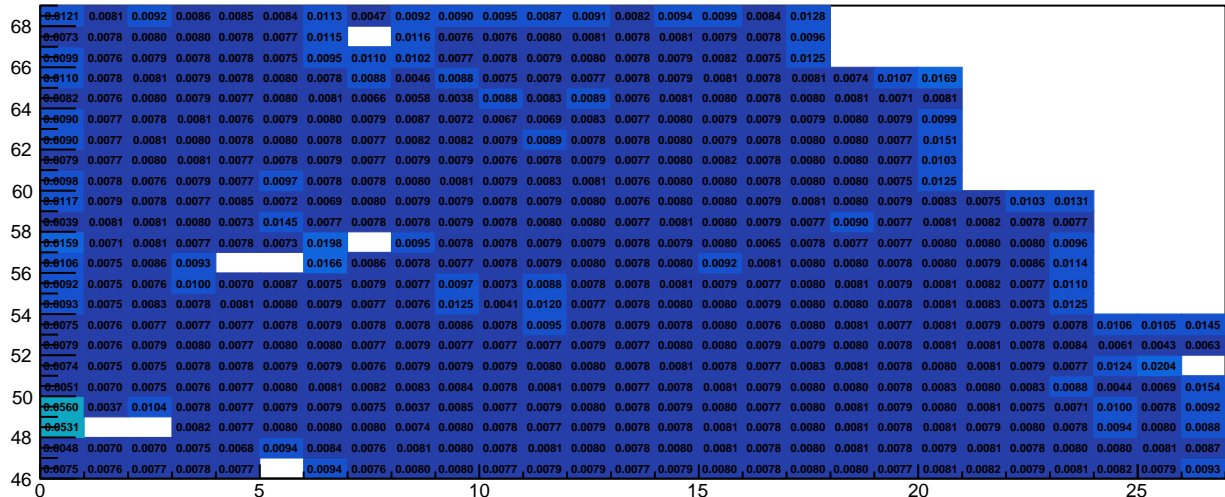
Vertical Pos. Diff. | After



Horizontal Pos. Diff. | After



New ADC Gain Coefficients (Top 23 Rows)



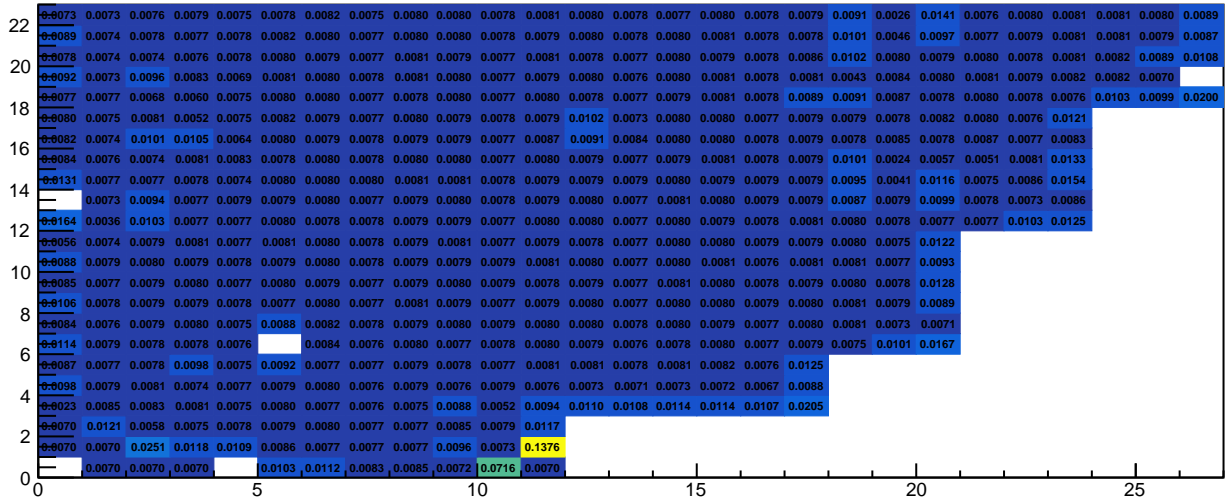
Old ADC Gain Coefficients (Middle 23 Rows)

[illegible]

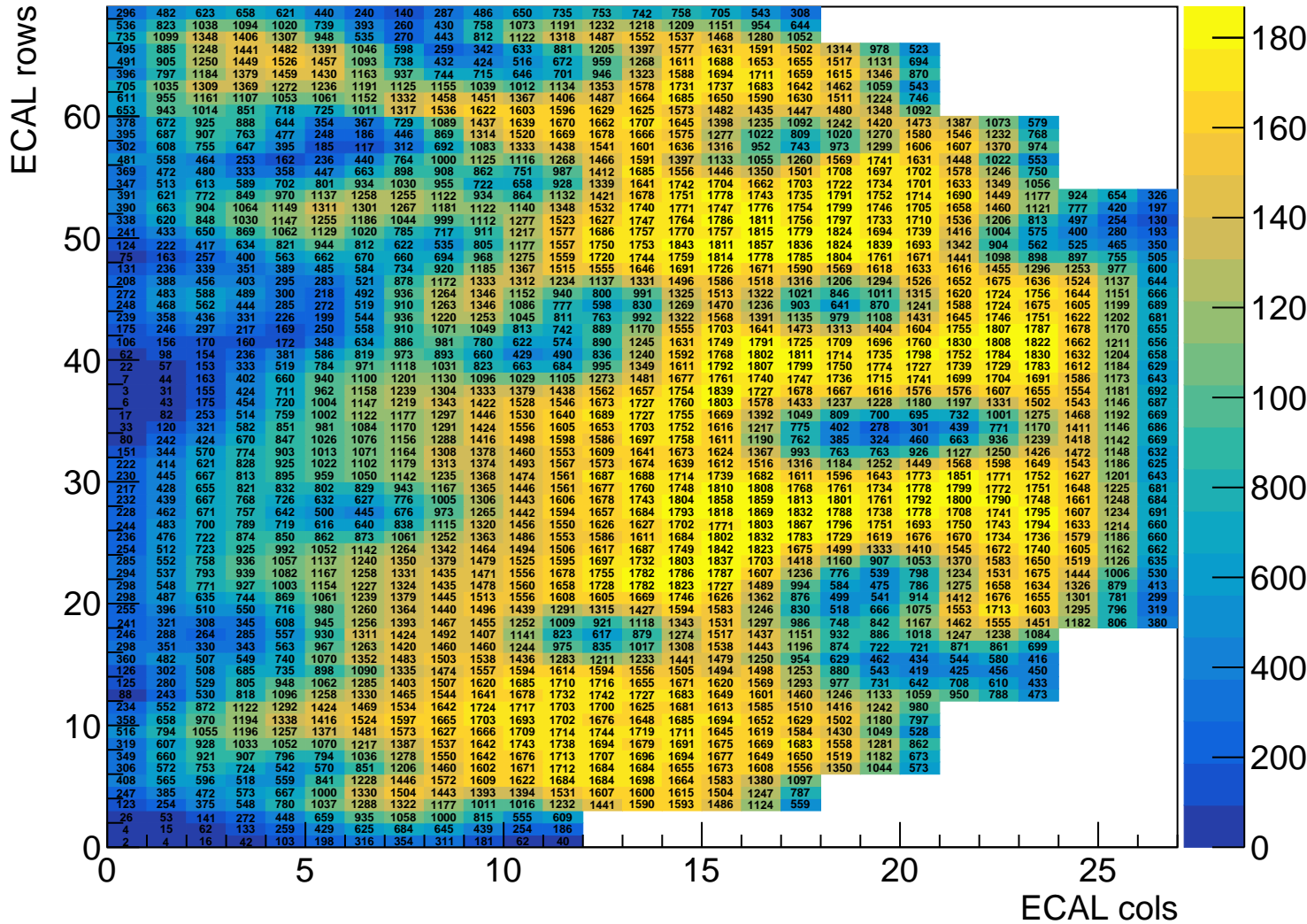
New ADC Gain Coefficients (Middle 23 Rows)

45	0.0083	0.0070	0.0075	0.0074	0.0085		0.0081	0.0077	0.0078	0.0079	0.0075	0.0095	0.0083	0.0082	0.0079	0.0080	0.0078	0.0084	0.0089	0.0085	0.0079	0.0081	0.0080	0.0079	0.0083	0.0079	0.0088		
	0.0073	0.0073	0.0076	0.0076	0.0079	0.0146	0.0092	0.0076	0.0080	0.0080	0.0076	0.0086	0.0074	0.0074	0.0080	0.0080	0.0078	0.0075	0.0080	0.0080	0.0076	0.0081	0.0081	0.0079	0.0081	0.0081	0.0082		
	0.0108	0.0070	0.0077	0.0076	0.0078	0.0075	0.0072	0.0078	0.0078	0.0080	0.0078	0.0087	0.0086	0.0077	0.0081	0.0081	0.0077	0.0091	0.0084	0.0082	0.0079	0.0081	0.0079	0.0080	0.0082	0.0080	0.0095		
	0.0083	0.0071	0.0081	0.0077	0.0093	0.0037	0.0083	0.0078	0.0079	0.0077	0.0076	0.0078	0.0078	0.0078	0.0080	0.0080	0.0078	0.0078	0.0080	0.0082	0.0077	0.0080	0.0080	0.0079	0.0080	0.0082	0.0080	0.0085	
40	0.0077	0.0070	0.0098	0.0044		0.0096	0.0079	0.0078	0.0078	0.0095	0.0080	0.0086	0.0084	0.0077	0.0079	0.0080	0.0077	0.0081	0.0081	0.0079	0.0080	0.0080	0.0081	0.0078	0.0079	0.0081	0.0079	0.0107	
	0.0215	0.0046	0.0084	0.0080	0.0080	0.0090	0.0077	0.0078	0.0075	0.0126	0.0079	0.0074	0.0075	0.0078	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		
	0.0070	0.0055	0.0141	0.0071	0.0076	0.0077	0.0080	0.0078	0.0078	0.0090	0.0072	0.0090	0.0082	0.0077	0.0081	0.0079	0.0079	0.0079	0.0079	0.0081	0.0078	0.0080	0.0082	0.0079	0.0080	0.0081	0.0079	0.0095	
	0.0070	0.0070	0.0040	0.0083	0.0076	0.0078	0.0078	0.0076	0.0076	0.0080	0.0080	0.0077	0.0079	0.0079	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	0.0070	0.0070		0.0087	0.0074	0.0078	0.0078	0.0078	0.0078	0.0079	0.0079	0.0078	0.0081	0.0080	0.0078	0.0079	0.0080	0.0079	0.0081	0.0079	0.0080	0.0081	0.0079	0.0080	0.0081	0.0078	0.0080	0.0078	0.0091
	0.0070	0.0070	0.0097	0.0072	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	0.0079	0.0078	0.0077	0.0080	0.0078	0.0078	0.0081	0.0080	0.0078	0.0080	0.0100	
	0.0070		0.0089	0.0073	0.0075	0.0078	0.0079	0.0076	0.0080	0.0080	0.0077	0.0079	0.0078	0.0078	0.0081	0.0079	0.0077	0.0088	0.0090	0.0090	0.0083	0.0090	0.0091	0.0080	0.0081	0.0081	0.0081	0.0086	
	0.0070	0.0144	0.0089	0.0073	0.0074	0.0079	0.0078	0.0077	0.0079	0.0080	0.0077	0.0080	0.0080	0.0077	0.0080	0.0080	0.0078	0.0080	0.0082	0.0138	0.0121	0.0097		0.0071	0.0083	0.0079	0.0079	0.0100	
30	0.0142	0.0041	0.0092	0.0073	0.0075	0.0079	0.0080	0.0079	0.0080	0.0080	0.0078	0.0078	0.0079	0.0077	0.0080	0.0082	0.0077	0.0084	0.0072	0.0039	0.0088	0.0095	0.0080	0.0080	0.0080	0.0079	0.0096		
	0.0078	0.0074	0.0072	0.0076	0.0077	0.0075	0.0080	0.0077	0.0079	0.0080	0.0077	0.0081	0.0079	0.0078	0.0079	0.0080	0.0077	0.0085	0.0083	0.0078	0.0081	0.0079	0.0078	0.0081	0.0080	0.0080	0.0081	0.0081	
	0.0059	0.0078	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	0.0079	0.0080	0.0077	0.0080	0.0082	0.0078	0.0080	0.0080	0.0081	0.0098	
	0.0058	0.0071	0.0076	0.0077	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	0.0078	0.0080	0.0080	0.0079	0.0089	
25	0.0069	0.0073	0.0072	0.0078	0.0075	0.0078	0.0079	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	0.0084	0.0089	0.0082	0.0076	0.0081	0.0080	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	0.0077	0.0079	0.0086	
	0.0072	0.0073	0.0078	0.0077	0.0073	0.0090		0.0079	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	0.0081	0.0080	0.0079	0.0094		
	0.0083	0.0072	0.0075	0.0077	0.0074	0.0086	0.0085	0.0084	0.0079	0.0079	0.0076	0.0080	0.0080	0.0079	0.0081	0.0080	0.0077	0.0080	0.0081	0.0076	0.0078	0.0081	0.0080	0.0077	0.0080	0.0081	0.0080	0.0094	
	0.0077	0.0073	0.0079	0.0076	0.0077	0.0078	0.0080	0.0077	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	0.0080	0.0079	
	0.0079	0.0072	0.0077	0.0076	0.0075	0.0079	0.0080	0.0076	0.0079	0.0080	0.0077	0.0080	0.0081	0.0077	0.0080	0.0080	0.0078	0.0080	0.0080	0.0079	0.0079	0.0079	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	0.0079	0.0093	0.0074	0.0086	0.0079	0.0077	0.0081	0.0082	0.0080	0.0090		
	0				5					10					15					20					25				

New ADC Gain Coefficients (Bottom 23 Rows)



Number of Good Events per Block



Date of creation: 4/6/2025

Configfile: ECAL_replay/scripts/cfg/GEP1_elas_calib_MC.cfg

Total # events analyzed: 569188

E/p (before calib.) | $\mu = 0.89$, $\sigma = (5.001 \pm 0.018)$ p

E/p (after calib.) | $\mu = 1.01$, $\sigma = (5.817 \pm 0.021)$ 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: 151569

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 1476.7s | Real 1489.5s