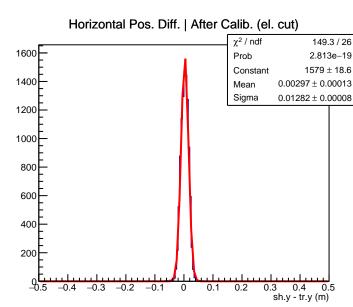


0

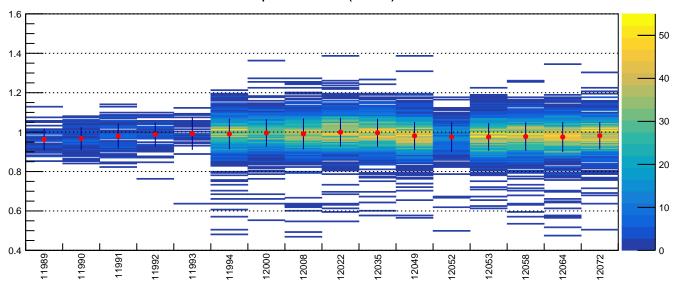
0.1

sh.y - tr.y (m)

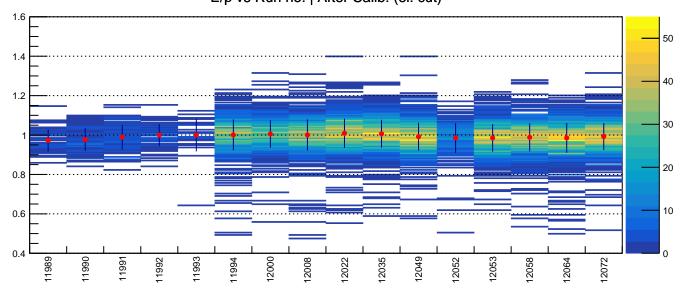
200



E/p vs Run no. (el. cut)



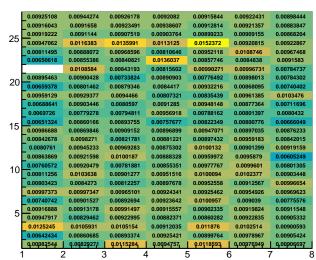
E/p vs Run no. | After Calib. (el. cut)



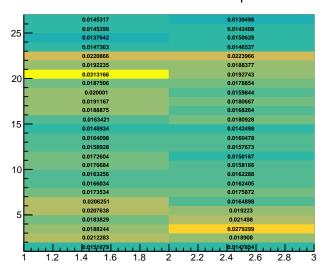
Old ADC Gain Coefficients | SH

- 1	0.00925108	0.00944274	0.00926178	0.0092082	0.00915844	0.00922431	0.00898444
25	0.00916043	0.0091658	0.00923491	0.00938607	0.00912814	0.00921357	0.00883847
	0.00919222	0.0091144	0.00907519	0.00903764	0.00899233	0.00909155	0.00868204
	0.00947062	0.0116383	0.0135991	0.0113125	0.0152372	0.00920815	0.00922867
	0.00811495	0.00888072	0.00968596	0.00810646	0.00952118	0.0108746	0.00967468
20	0.00650618	0.00855386	0.00840821	0.00868148	0.00857746	0.0084838	0.0091583
	0.00846227	0.00860501	0.00834457	0.00691241	0.00990493	0.00955097	0.00829313
	0.0078136	0.0089167	0.00734506	0.00906878	0.00759276	0.00884517	0.00750399
	0.00705613	0.00777021	0.00874542	0.00826432	0.00904559	0.00819854	0.00870671
	0.00627541	0.00906447	0.0089942	0.0074826	0.00800579	0.00942967	0.00609749
15	0.00683496	0.00870725	0.00781334	0.00905746	0.00938377	0.00864699	0.00861411
	0.0071899	0.00746588	0.0077984	0.00936082	0.00778235	0.00805078	0.00785822
	0.00631062	0.00851503	0.00892372	0.00751375	0.00817507	0.00782874	0.00724327
	0.00991013	0.00857443	0.00898852	0.00884538	0.0092033	0.00844175	0.0112913
	0.00843237	0.0096266	0.00804132	0.00864448	0.00848575	0.00923835	0.0081222
10	0.00933365	0.00893768	0.00986335	0.00845751	0.00985753	0.00853035	0.0102586
	0.00845918	0.00916917	0.00998629	0.00868944	0.00943342	0.0093765	0.0069498
	0.00830199	0.0089076	0.00768676	0.00838296	0.00950424	0.00944266	0.0093114
	0.00611856	0.0103495	0.00892592	0.00918083	0.0100048	0.0100951	0.0108018
	0.0104627	0.00795202	0.00792916	0.00879133	0.00936779	0.00869193	0.010138
	0.00837943	0.00963497	0.00962443	0.00920996	0.00908892	0.00898649	0.0118793
5	0.00784212	0.00892309	0.00914728	0.00876234	0.0097741	0.00861192	0.00726454
	0.0100323	0.0087102	0.00983805	0.00895442	0.00914074	0.00869741	0.00995507
	0.00924609	0.00827467	0.00908589	0.00875059	0.00901641	0.00925653	0.00905332
	0.00913229	0.0103508	0.0104068	0.00903971	0.0121617	0.0102514	0.00900593
	0.00642434	0.00860685	0.00893374	0.00925421	0.00899764	0.00978967	0.00905424
	0.00982544	0.00829271	0.0115284	0.0094757	0.0118593	0.00976949	0.00906697
1	1) :				3	7

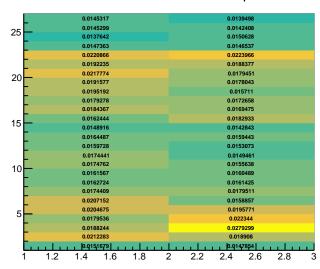
New ADC Gain Coefficients | SH

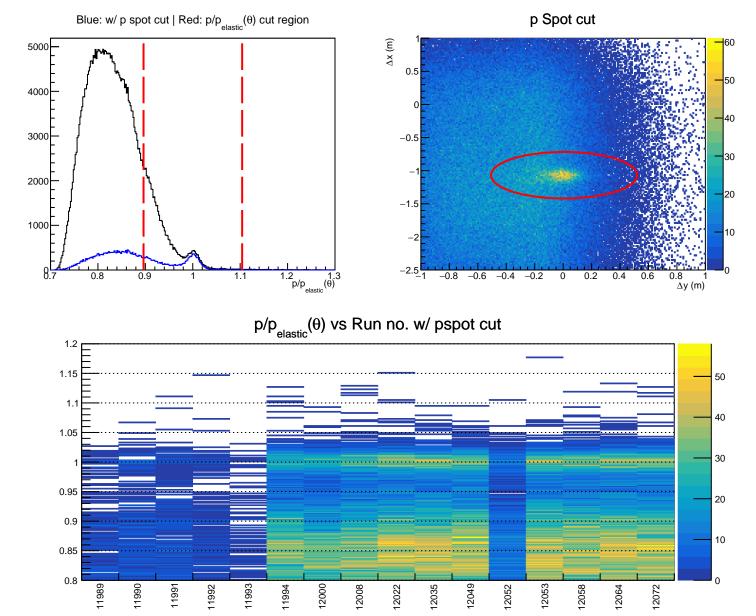


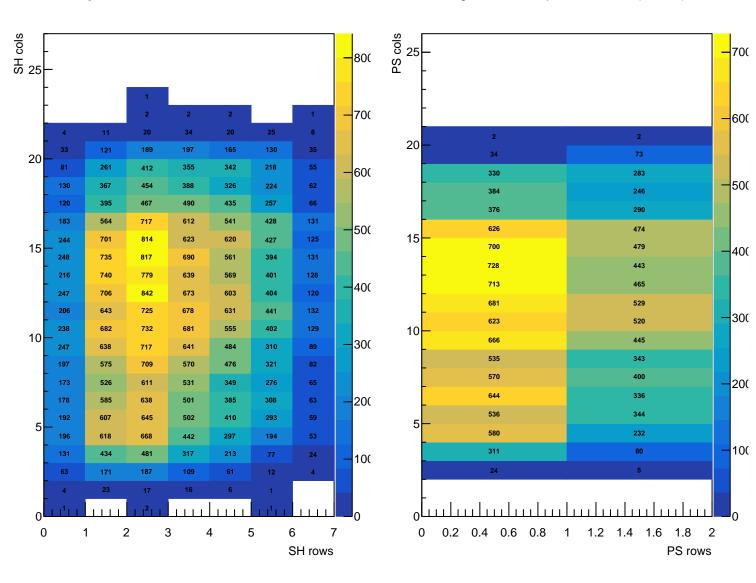
Old ADC Gain Coefficients | PS

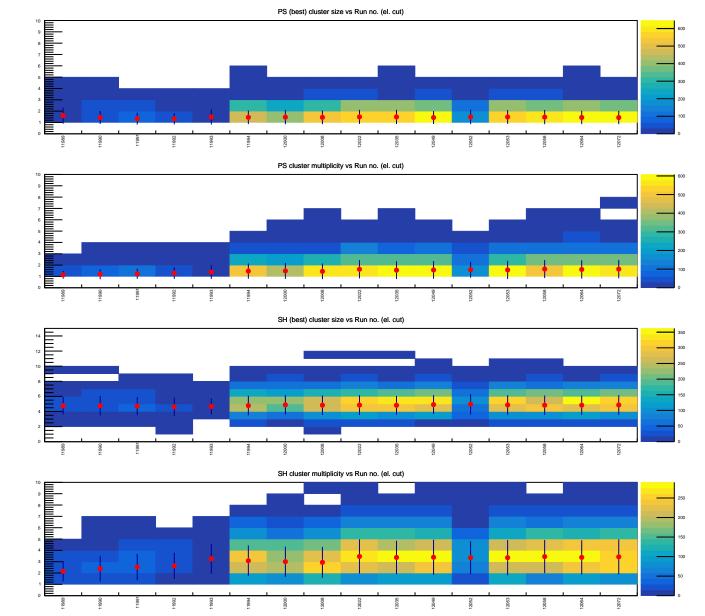


New ADC Gain Coefficients | PS









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Date of creation: 12/10/2023
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Configfile: BBCal_replay/macros/Combined_macros/cfg/sbs7-sbs85p.cfg

Total # events analyzed: 6167217, Preparing for replay pass: 2 E/p (before calib.) | μ = 0.99, σ = (5.755 \pm 0.074) p

E/p (after calib.) $\mu = 1.00$, $\sigma = (5.776 \pm 0.073)$ p

Global cuts:

bb.tr.n==1, abs(bb.tr.vz[0])<0.08, bb.gem.track.nhits>3,

abs(bb.tr.r_x[0]-0.9*bb.tr.r_th[0]-0.005)<0.33,
PS cluster energy > 0.2 GeV

p_recon > 2.1 GeV/c

events passed global cuts: 366131

Elastic cuts: |p/p_{al}(θ) - 1.000| ≤ 8.0*0.013

proton spot cut ranges:

 Δ x (m): Mean = -1.0686, 5.0 σ = 0.0702

 Δ y (m): Mean = 0.0066, 6.0σ = 0.0856 # events passed global & elastic cuts: 12605

Other cuts:

Minimum # events per block: 30 | Cluster hit threshold: 0.02 GeV (SH), 0.01 GeV (PS)

Cluster tmax cut: 10.0 ns (SH), 10.0 ns (PS) | Cluster energy fraction cut: 0.0 GeV (SH), 0.0 GeV (PS)

Various offsets:

Momentum fudge factor: 1.00, BBCAL cluster energy scale factor: 1.00

Macro processing time: CPU 441.6s | Real 728.0s