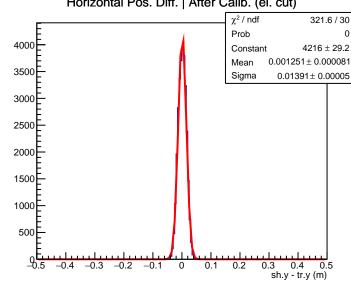
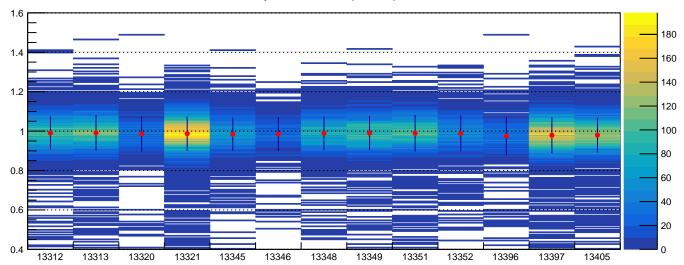


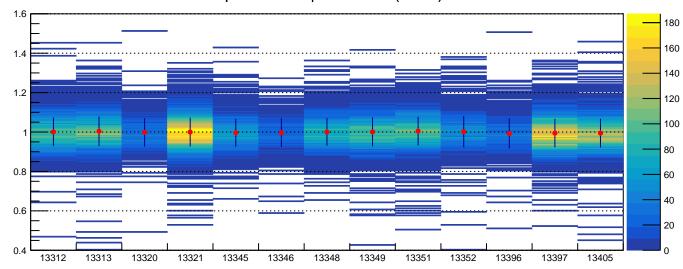
Horizontal Pos. Diff. | After Calib. (el. cut)



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



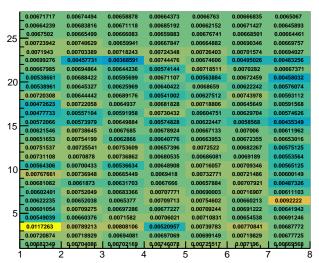
E/p vs Run no. | After Calib. (el. cut)



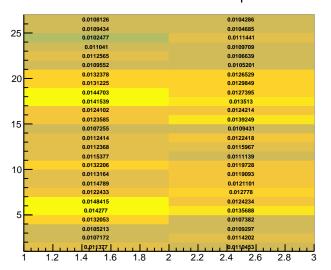
Old ADC Gain Coefficients | SH

- 1	0.00671717	0.00674494	0.00658878	0.00664373	0.0066763	0.00666835	0.0065067
H	0.00664239	0.00674494	0.00656676	0.00685192	0.00662152	0.0066635	0.00645893
25	0.0067502	0.00665499			0.00662152	0.00671427	0.00645693
			0.00666083	0.00659883			
	_0.00723942	0.00740629	0.00659941	0.00667847	0.00664882	0.00690346	0.00669757
	_ 0.0071943	0.00703389	0.00718243	0.00724348	0.00726403	0.00701574	0.00694027
20	_0.00699276	0.00712874	0.00760928	0.00928571	0.00565173	0.0062919	0.00663971
	_0.00514892	0.00693056	0.00629659	0.00549098	0.00702715	0.0067362	0.00684261
	0.00569103	0.00648862	0.00563051	0.00646997	0.00546146	0.00654803	0.00545236
	_0.00500455	0.00604456	0.00597294	0.0060565	0.00662547	0.00596119	0.0054392
	0.00681256	0.00602817	0.00653718	0.00524417	0.00598256	0.00696602	0.00631567
	_0.00413276	0.00673851	0.00608138	0.00638054	0.00702226	0.00619995	0.00648921
	0.00439711	0.00528049	0.00555669	0.00703415	0.00577892	0.00597096	0.00573531
15	0.00594622	0.00539441	0.00623596	0.00543785	0.005981	0.00544861	0.00495394
	0.00574251	0.0071975	0.00630599	0.00658824	0.00670334	0.00664139	0.00587775
	0.00609512	0.00707579	0.00598447	0.00610322	0.00641198	0.00648999	0.00600516
	0.0077972	0.00674912	0.00709799	0.00611738	0.0068624	0.00641751	0.00598919
	0.00700886	0.00648946	0.00683642	0.00635064	0.0065192	0.00659385	0.00545202
10	0.00544981	0.0065901	0.00516886	0.00598233	0.00686841	0.00665163	0.00536604
10	0.00727184	0.00703004	0.00647243	0.00649787	0.00705703	0.00697897	0.00593873
	0.00638762	0.0058821	0.00607928	0.00638503	0.00629995	0.00672816	0.00481557
- [0.00592364	0.00691887	0.00647327	0.00668764	0.00652772	0.00671757	0.00679678
5	0.00617732	0.00625329	0.00645431	0.00660328	0.00707162	0.00612744	0.00874764
	0.00631541	0.00687879	0.0068187	0.00627647	0.00719974	0.00761712	0.0071429
	0.0067743	0.00677819	0.00749292	0.00859989	0.00842853	0.00645356	0.00691246
	0.00714703	0.00688045	0.00751729	0.00756314	0.00739783	0.00770841	0.00687772
- 1	0.00720874	0.00718929	0.00694081	0.00697069	0.00699149	0.00719829	0.00677725
ı	0.00682349	0.00704086	0.00702169	0.00746078	0.00725517	0.007196	0.00669568
1	2					6	7

New ADC Gain Coefficients | SH

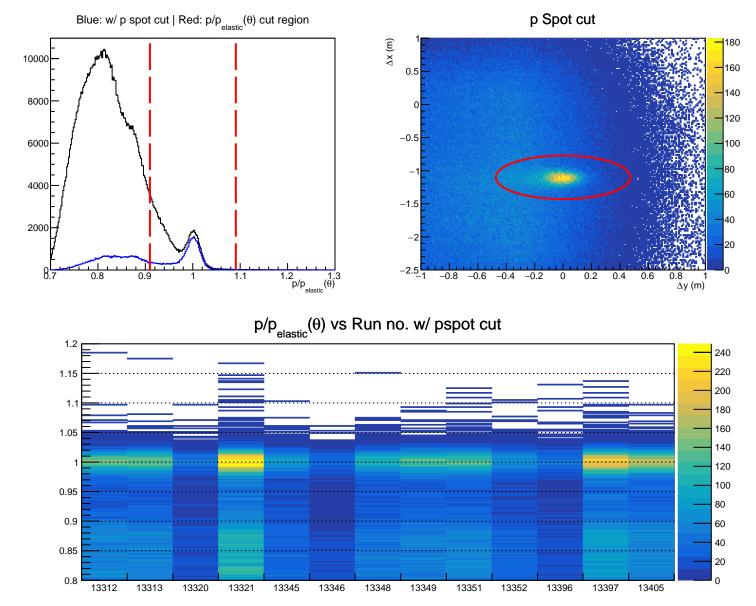


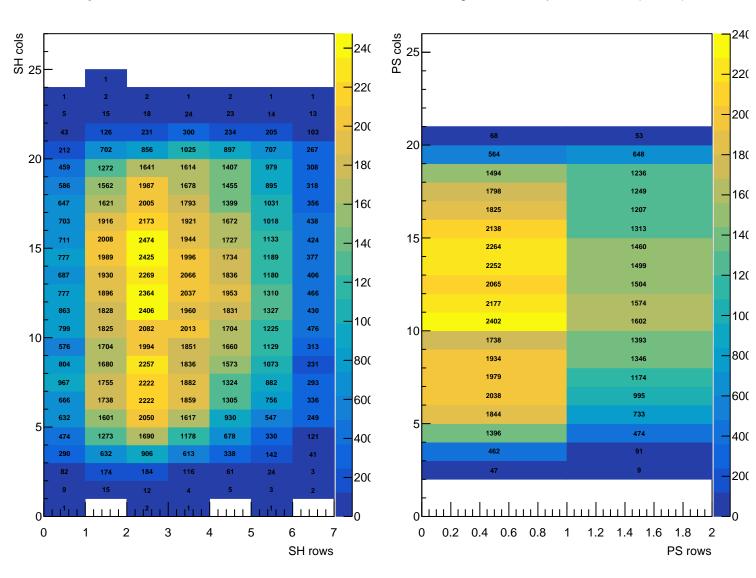
Old ADC Gain Coefficients | PS



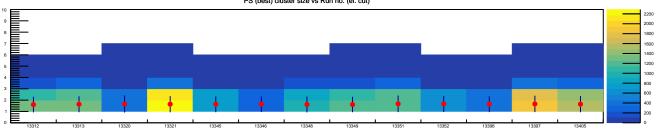
New ADC Gain Coefficients | PS



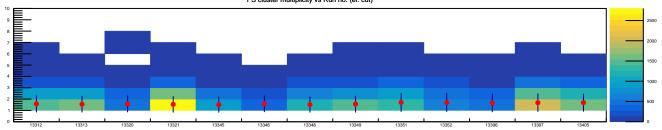




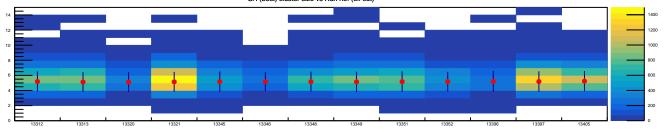
PS (best) cluster size vs Run no. (el. cut)



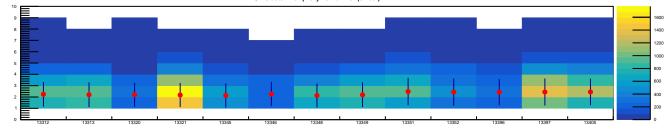
PS cluster multiplicity vs Run no. (el. cut)



SH (best) cluster size vs Run no. (el. cut)



SH cluster multiplicity vs Run no. (el. cut)



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Date of creation: 12/12/2023
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Configfile: BBCal_replay/macros/Combined_macros/cfg/sbs14-sbs70p-set2.cfg

Total # events analyzed: 5855980, Preparing for replay pass: 2 E/p (before calib.) | μ = 0.99, σ = (6.358 \pm 0.041) p

E/p (after calib.) | μ = 1.00, σ = (6.270 \pm 0.055) 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]-0.035)<0.335,
PS cluster energy > 0.2 GeV

p_recon > 1.5 GeV/c

events passed global cuts: 818770

Elastic cuts:

 $|p/p_{el}(\theta) - 1.000| \le 6.0*0.015$ proton spot cut ranges:

 Δx (m): Mean = -1.1000, 4.0 σ = 0.0823

 Δy (m): Mean = -0.0006, 5.0 σ = 0.0946

events passed global & elastic cuts: 37506

Other cuts:

Minimum # events per block: 80 | 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 589.5s | Real 1818.2s