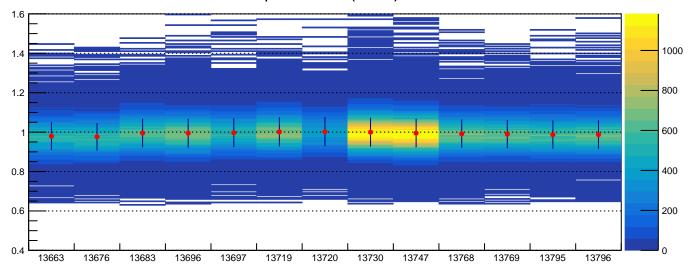
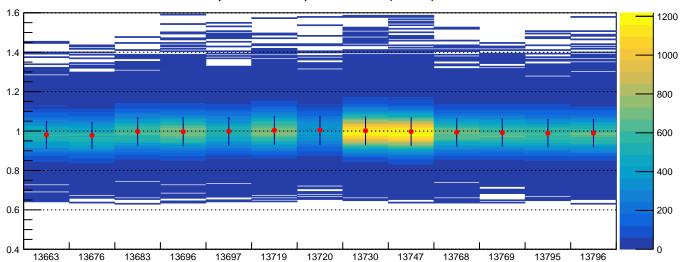


E/p vs Run no. (el. cut)



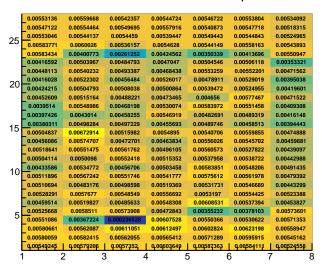




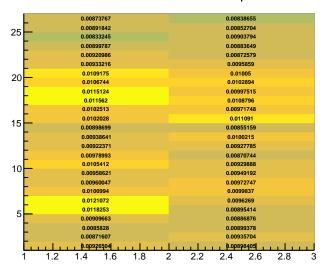
Old ADC Gain Coefficients | SH

	•						
	0.00553136	0.00559668	0.00542357	0.00544724	0.00546722	0.00553804	0.00534092
25	0.00547122	0.00554464	0.00549695	0.00557916	0.00540873	0.00547718	0.00518315
	0.00553046	0.00544137	0.0054459	0.00539447	0.00549443	0.00544843	0.00524965
	0.00583771	0.0060026	0.00536157	0.0054628	0.00544149	0.00558163	0.00543893
	0.00583434	0.00533653	0.00391953	0.00449835	0.00492836	0.00430807	0.00559424
	0.00458684	0.00495278	0.00486161	0.00469093	0.00501823	0.00498978	0.00373066
	0.00459013	0.0053661	0.0049085	0.00468138	0.00552964	0.00540317	0.00500788
20	0.00416198	0.0051979	0.00458095	0.00527769	0.00478128	0.00520484	0.00409953
	0.00431591	0.00502226	0.00514279	0.00495451	0.00536495	0.00517581	0.0043158
	0.00455578	0.00516473	0.00489423	0.00474759	0.00466212	0.00573602	0.00483395
	0.00401391	0.00546356	0.00471266	0.00526022	0.005814	0.00545788	0.00424794
	0.00403899	0.00426355	0.00460609	0.00545376	0.00484197	0.00484106	0.00422552
15	0.00388528	0.00496549	0.0049375	0.00454671	0.00488533	0.00450285	0.0043303
	0.00498107	0.0067273	0.00510298	0.00544054	0.00538532	0.00552693	0.00471042
	0.00485887	0.00568936	0.00471057	0.00459538	0.00558246	0.0053848	0.00483163
	0.00526856	0.00547833	0.00564445	0.00488931	0.00557628	0.0052066	0.00457362
10	0.00533253	0.00496212	0.00553924	0.00512213	0.00540044	0.00529771	0.0046542
	0.00455407	0.00534156	0.00458775	0.00499273	0.00583389	0.00541371	0.00491188
	0.00536101	0.00555637	0.0055018	0.00531891	0.0056688	0.00557254	0.00482293
	0.00514907	0.00474128	0.00497781	0.00513698	0.00527425	0.00532123	0.00461784
	0.00520885	0.00563835	0.00538492	0.00544429	0.00513339	0.00537	0.00567516
5	0.00472674	0.00511094	0.00480504	0.00547017	0.00609264	0.00543014	0.00455045
	0.00553328	0.00587538	0.00606317	0.00515855	0.00480273	0.00559273	0.00573601
	0.00551086	0.00367224	0.00550906	0.00607528	0.00550366	0.00530622	0.00571353
	0.00580661	0.00562087	0.00611051	0.00612497	0.00602824	0.00623198	0.00558947
	0.00580059	0.00582415	0.00562055	0.00565412	0.00571289	0.00595915	0.00545162
	0.00360039						
	0.00549245	0.00579206	0.0057352	0.00603649	0.00587363	0.00584111	0,00524558

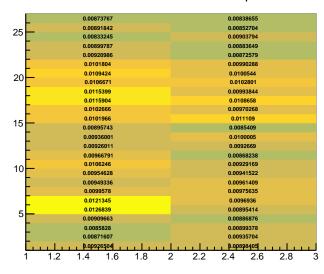
New ADC Gain Coefficients | SH

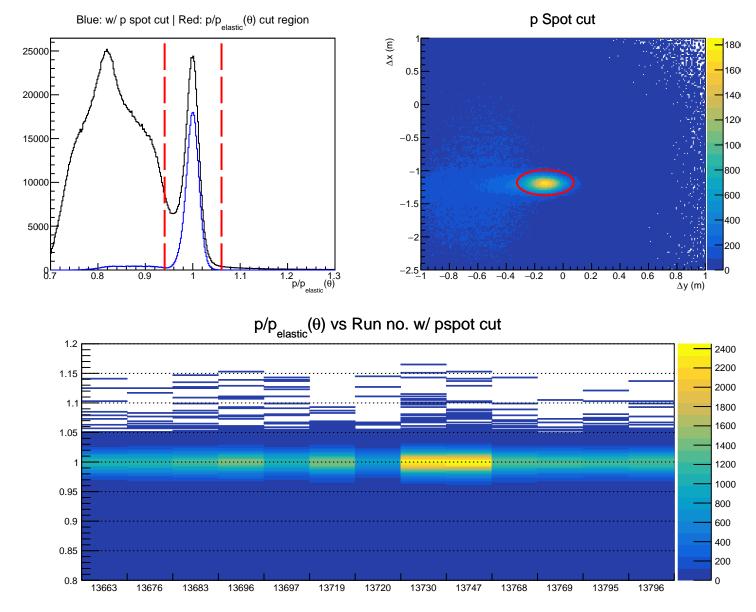


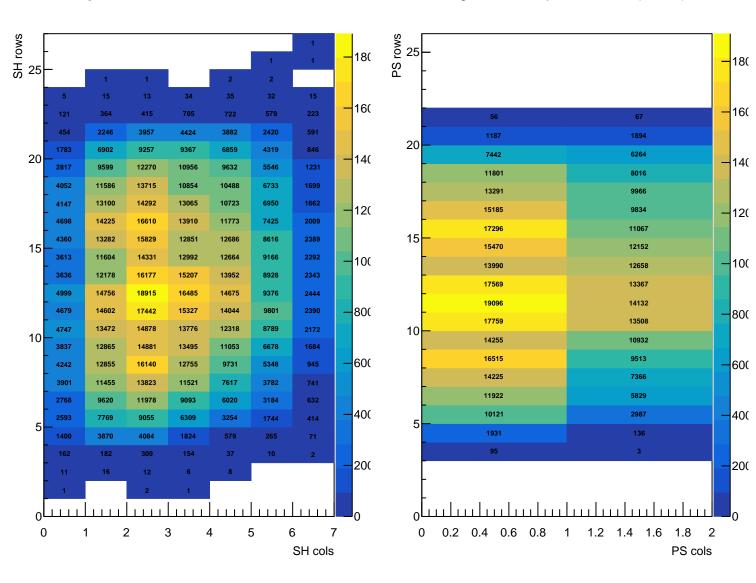
Old ADC Gain Coefficients | PS



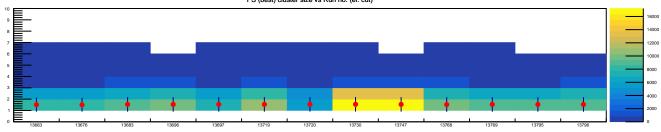
New ADC Gain Coefficients | PS



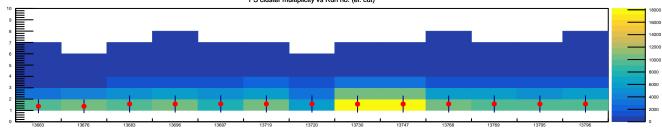




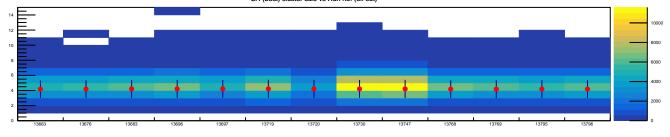




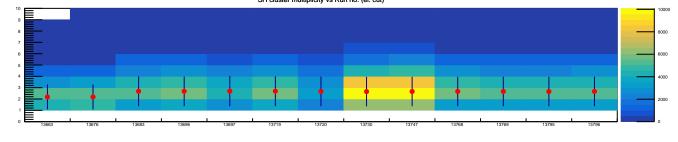
PS cluster multiplicity vs Run no. (el. cut)



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



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



```
Date of creation: 1/4/2024
```

Configfile: BBCal_replay/macros/Combined_macros/cfg/sbs9-sbs70p.cfg

Total # events analyzed: 17706321, Preparing for replay pass: 2 E/p (before calib.) | μ = 0.99, σ = (6.399 \pm 0.020) p

E/p (after calib.) $\mu = 0.99$, $\sigma = (6.415 \pm 0.020)$ 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]-0.025)<0.3, PS cluster energy > 0.2 GeV

p_recon > 1.2 GeV/c

events passed global cuts: 2493995

Elastic cuts: $|p/p_{cl}(\theta) - 1.001| \le 6.0*0.010$

proton spot cut ranges:

 Δx (m): Mean = -1.1800, 2.0 σ = 0.0960

 Δ y (m): Mean = -0.1250, 2.0 σ = 0.1000 # events passed global & elastic cuts: 302024

Other cuts:

Minimum # events per block: 200 | 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 1357.5s | Real 2028.3s