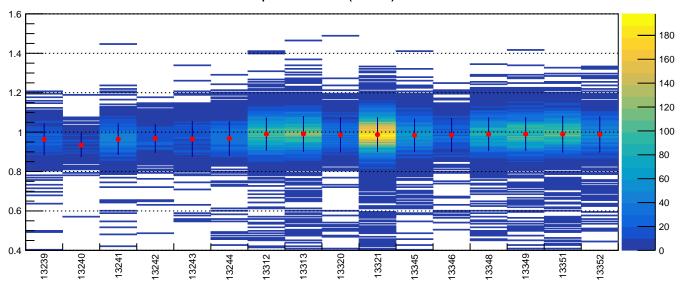
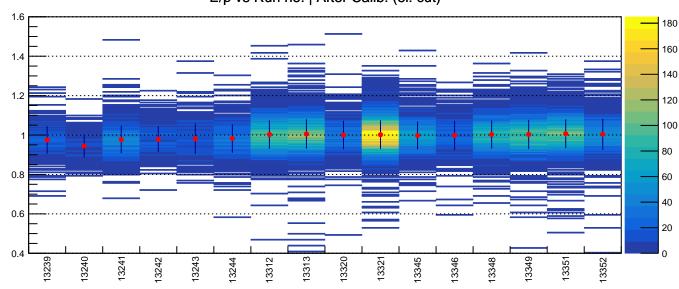


E/p vs Run no. (el. cut)



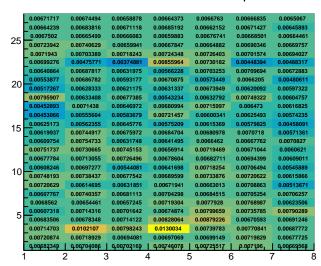
E/p vs Run no. | After Calib. (el. cut)



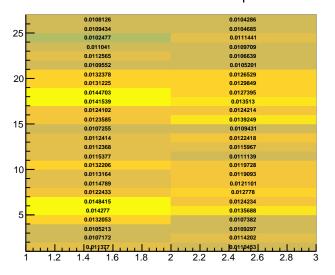
## Old ADC Gain Coefficients | SH

ļ	0.00682349	q.00704086	<b>  0,00702169</b>	<mark>                                     </mark>	0,00725517 	<u>ρ.ορ71,96</u>	J 0,00669568
ı	0.00720874	0.00718929	0.00694081	0.00697069	0.00699149	0.00719829	0.00677725
	0.006/743	0.00677819	0.00749292	0.00859989	0.00842853	0.00645356	0.00691246
5	0.00631541	0.00687879	0.0068187	0.00627647	0.00719974	0.00761712	0.0071429
ı	0.00617732	0.00625329	0.00645431	0.00660328	0.00707162	0.00612744	0.00874764
ı	_0.00592364	0.00691887	0.00647327	0.00668764	0.00652772	0.00671757	0.00679678
ı	0.00638762	0.0058821	0.00607928	0.00638503	0.00629995	0.00672816	0.00481557
٠٠	_0.00727184	0.00703004	0.00647243	0.00649787	0.00705703	0.00697897	0.00593873
10	0.00544981	0.0065901	0.00516886	0.00598233	0.00686841	0.00665163	0.00536604
١	_0.00700886	0.00648946	0.00683642	0.00635064	0.0065192	0.00659385	0.00545202
ı	0.0077972	0.00674912	0.00709799	0.00611738	0.0068624	0.00641751	0.00598919
١	0.00609512	0.00707579	0.00598447	0.00610322	0.00641198	0.00648999	0.00600516
۱۲	0.00574251	0.0071975	0.00630599	0.00658824	0.00670334	0.00664139	0.00587775
15	0.00594622	0.00539441	0.00623596	0.00543785	0.005981	0.00544861	0.00495394
- 1	0.00439711	0.00528049	0.00555669	0.00703415	0.00577892	0.00597096	0.00573531
- 1	0.00413276	0.00673851	0.00608138	0.00638054	0.00702226	0.00619995	0.00648921
	0.00681256	0.00602817	0.00653718	0.00524417	0.00598256	0.00696602	0.00631567
20	0.00500455	0.00604456	0.00597294	0.0060565	0.00662547	0.00596119	0.0054392
	0.00569103	0.00648862	0.00563051	0.00646997	0.00546146	0.00654803	0.00545236
	0.00514892	0.00693056	0.00629659	0.00549098	0.00702715	0.0067362	0.00684261
25	0.00699276	0.00712874	0.00760928	0.00928571	0.00565173	0.0062919	0.00663971
	0.0071943	0.00703389	0.00718243	0.00724348	0.00726403	0.00701574	0.00694027
	0.00723942	0.00740629	0.00659941	0.00667847	0.00664882	0.00690346	0.00669757
	0.0067502	0.00665499	0.00666083	0.00659883	0.00676741	0.00668501	0.00664461
	0.00664239	0.00683816	0.00671118	0.00685192	0.00662152	0.00671427	0.00645893
- 1	0.00671717	0.00674494	0.00658878	0.00664373	0.0066763	0.00666835	0.0065067

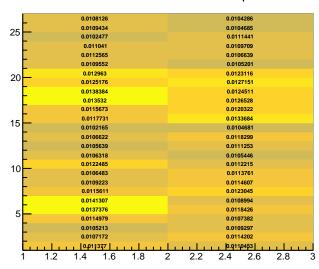
## New ADC Gain Coefficients | SH

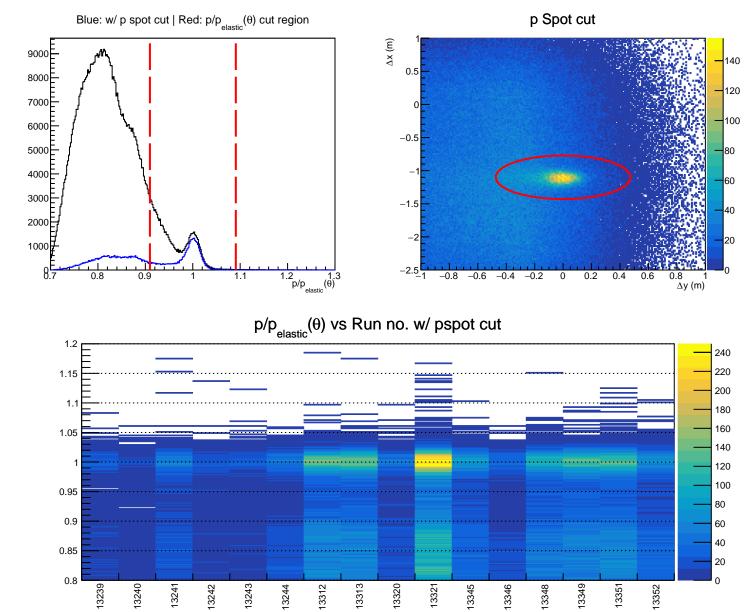


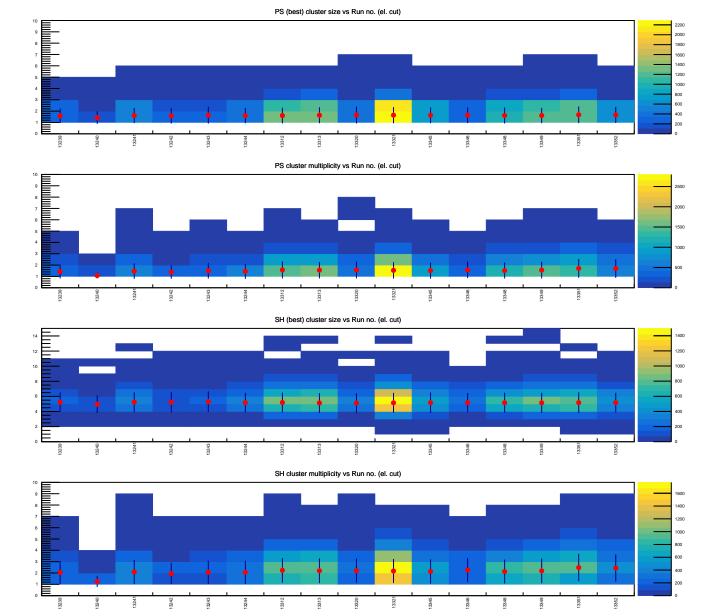
## Old ADC Gain Coefficients | PS



## New ADC Gain Coefficients | PS







```
Date of creation: 12/8/2023
```

### Configfile: BBCal\_replay/macros/Combined\_macros/cfg/sbs14-sbs70p.cfg

Total # events analyzed: 5136778, Preparing for replay pass: 2

E/p (before calib.) | 
$$\mu$$
 = 0.99,  $\sigma$  = (6.361  $\pm$  0.044) p  
E/p (after calib.) |  $\mu$  = 1.00,  $\sigma$  = (6.322  $\pm$  0.055) p

 $\mu = 1.00, 0 = (0.322 \pm 0.033) p$ 

# 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: 719770

Elastic cuts:

 $|p/p_{el}(\theta) - 1.000| \le 6.0*0.015$ 

proton spot cut ranges:  $\Delta x$  (m): Mean = -1.1000, 4.0 $\sigma$  = 0.0823

 $\Delta y$  (m): Mean = -0.0006, 5.0 $\sigma$  = 0.0946

# events passed global & elastic cuts: 31840

#### 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 424.6s | Real 929.7s