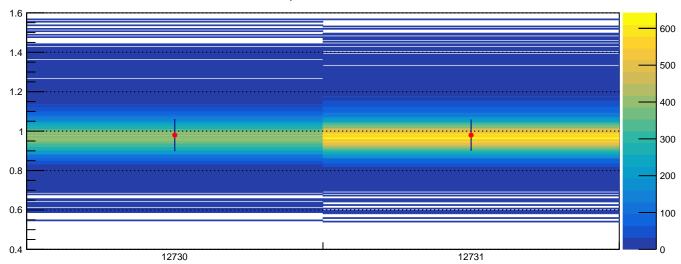
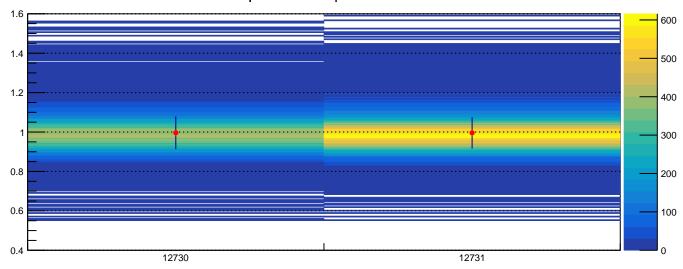


E/p vs Run no.



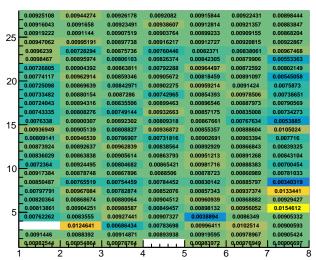
E/p vs Run no. | After Calib.



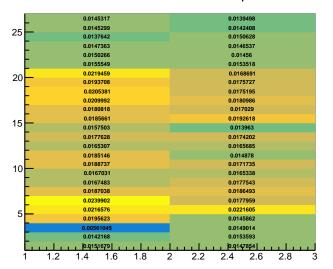
# Old ADC Gain Coefficients | SH

- 1	0.00925108	0.00944274	0.00926178	0.0092082	0.00915844	0.00922431	0.00898444
	0.00916043	0.00344274	0.00923491	0.00938607	0.00912814	0.00921357	0.00883847
25	0.00919222	0.0091038	0.00923491	0.00938007	0.00912814	0.00921357	0.00868204
	0.00947062	0.00995191	0.00897738	0.00916217	0.00033233	0.00920815	0.00000204
	0.0096239	0.00593723	0.00894143	0.00370277	0.00312727	0.00320013	0.00322007
20	0.0109298	0.00393723	0.00894143	0.00771880	0.00835308	0.00849119	0.00507408
	0.00768473	0.00882253	0.0084399	0.00785266	0.00937543	0.00856099	0.00781178
	0.00747768	0.00953463	0.00823633	0.00703200	0.00807303	0.00851375	0.007772611
	0.00819358	0.00851351	0.0086021	0.00871908	0.00964727	0.00892469	0.0083554
	0.00743555	0.00859459	0.00840693	0.007733278	0.00304727	0.00963182	0.00700061
	0.00745555	0.00839439	0.00824276	0.00733278	0.00872314	0.00903182	0.00700001
	0.00773025	0.00788652	0.00024276	0.00911084	0.00855485	0.00831778	0.00650094
15	0.00773025	0.00768632	0.00739070	0.00911084	0.00880705	0.00651778	0.00030094
	0.00853563	0.00889371	0.00872079	0.00767135	0.00857135	0.00766574	0.00792908
	0.00787198	0.00889371	0.00788432	0.00907342	0.00837133	0.00878971	0.0104297
	0.00797198	0.00918814	0.00771023	0.00715424	0.00914507	0.00876371	0.00833029
	0.00792004	0.00845472	0.00933301	0.00817313	0.00872513	0.00871969	0.0092303
10	0.00676327	0.00045472	0.00910892	0.0083469	0.00960603	0.00071969	0.00831994
	0.00771915	0.00905348		0.0083469	0.00943481	0.00900895	0.00831994
			0.00867749				
5	0.00757343	0.00752245	0.00732123	0.00806154	0.00897417	0.008808	0.00340319
	0.00700231	0.00948338	0.00778769	0.00870504	0.0083629	0.0081005	0.0133441
	0.0085293	0.00855227	0.00885197	0.00882633	0.00889647	0.00823919	0.00929427
	0.00834635	0.00849505	0.0101255	0.00784885	0.0084813	0.00879426	0.0154612
	0.009229	0.00828988	0.00891669	0.00890313	0.0146179	0.0086349	0.00905332
	0.00639943	0.0119027	0.00972905	0.0164855	0.00996411	0.0102514	0.00900593
	0.0091446	0.0088392	0.00914871	0.00893938	0.00919595	0.00978967	0.00905424
- 1	0.00982544	q.00954864	0,00978764	<u> </u>	0.00983972	0,00976949	0.00906697
1	1 2	2 ;	3 4	4 :	5 (	6	7

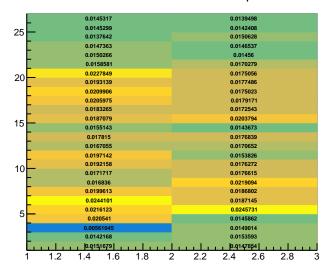
# New ADC Gain Coefficients | SH



## Old ADC Gain Coefficients | PS



# New ADC Gain Coefficients | PS



```
Date of creation: 1/5/2024
```

### Configfile: BBCal replay/macros/Combined macros/cfg/sbs11-sbs0p.cfg

Total # events analyzed: 1690336, Preparing for replay pass: 2

E/p (before calib.) | 
$$\mu$$
 = 0.97,  $\sigma$  = (5.988  $\pm$  0.291) p

E/p (after calib.)  $| \mu = 0.99, \sigma = (5.859 \pm 0.276) p$ 

### **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])<0.32, bb.gem.track.ngoodhits[0]>2, bb.gem.track.chi2ndf[0]<15,

bb.sh.e>0.7,

PS cluster energy > 0.2 GeV

1.8 < p\_recon < 3.2 GeV/c

# events passed global cuts: 37614

#### Other cuts:

Minimum # events per block: 25 | 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 129.3s | Real 297.6s