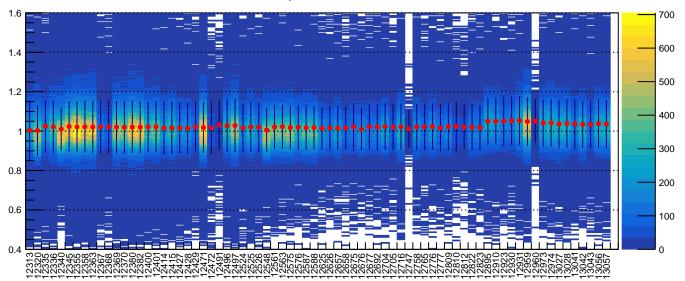
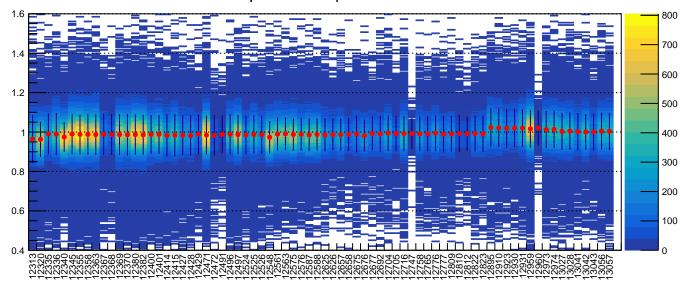


E/p vs Run no.



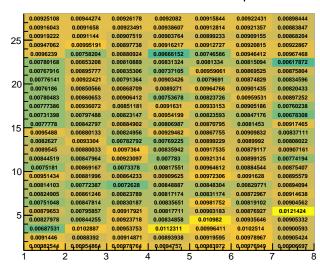
E/p vs Run no. | After Calib.



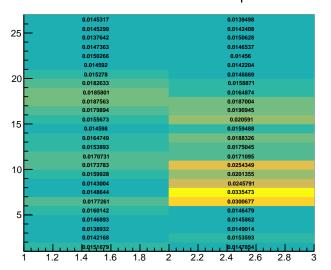
## Old ADC Gain Coefficients | SH

- 1	0.00005400	0.00944274	0.00000470	0.0000000	0.00045044	0.00000404	0.00898444
	0.00925108		0.00926178	0.0092082	0.00915844	0.00922431	
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	0.00995191	0.00897738	0.00916217	0.00912727	0.00920815	0.00922867
	0.0096239	0.00954259	0.0097283	0.0094697	0.00967932	0.00939855	0.00967468
	0.00914499	0.00948025	0.00967448	0.00949927	0.0094275	0.00964331	0.0091583
20	0.00936617	0.00952226	0.00992026	0.0095468	0.0103497	0.00939536	0.00962686
	0.00869057	0.0109306	0.00897856	0.00909867	0.00889919	0.00929768	0.00892951
	0.00907781	0.00840001	0.00875773	0.0145249	0.0180809	0.00894602	0.00960183
	0.00749	0.00876085	0.00916437	0.00762835	0.00717225	0.012025	0.00997447
	0.00757968	0.0092613	0.00794451	0.00879553	0.00908159	0.00949748	0.00808259
	0.00690572	0.00740649	0.00801659	0.00932684	0.00740115	0.00876309	0.00644077
15	0.0074448	0.0081169	0.00852164	0.0074303	0.0076282	0.00879307	0.00884085
15	0.00985446	0.00861088	0.00834944	0.00911889	0.0082548	0.00967807	0.0080247
	0.00793463	0.00910914	0.00772014	0.00739539	0.00826418	0.00974898	0.00804882
	0.00871805	0.00864599	0.00937344	0.00797299	0.00908943	0.00954262	0.0100956
	0.00827142	0.00843059	0.00935376	0.00798117	0.00779007	0.00993996	0.00951945
40	0.00744462	0.00847258	0.00714031	0.00730168	0.00795484	0.00943946	0.00892903
10	0.00903774	0.0088968	0.00830958	0.00805241	0.0140489	0.0101929	0.00909107
	0.00868916	0.00788418	0.00723024	0.0127267	0.0077465	0.0101119	0.00934444
	0.00888984	0.00901959	0.00808613	0.0109148	0.00691632	0.0100269	0.00937014
	0.00766295	0.00877462	0.00851781	0.0104803	0.00595201	0.00927683	0.00926763
اء	0.0120604	0.00800971	0.00842571	0.0166227	0.0127247	0.00919673	0.0093866
5	0.0109825	0.0148637	0.0218557	0.0100246	0.00913957	0.0086349	0.00905332
	0.00964312	0.00912534	0.0100808	0.00992302	0.00996411	0.0102514	0.00900593
	0.0091446	0.0088392	0.00914871	0.00893938	0.00919595	0.00978967	0.00905424
	0.00982544	0.00954864	0.00978764	0.0094757	0.00983972	0,00976949	0,00906697
	2						7

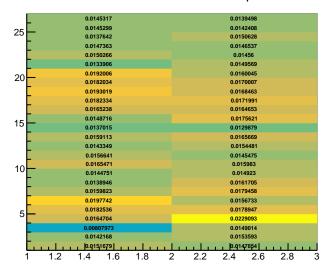
### New ADC Gain Coefficients | SH



### Old ADC Gain Coefficients | PS



# New ADC Gain Coefficients | PS



### Date of creation: 8/16/2023

### Configfile: BBCal replay/macros/Combined macros/cfg/sbs11-sbs100p.cfg

Total # events analyzed: 13546584, Preparing for replay pass: 2

E/p (before calib.) | 
$$\mu$$
 = 1.01,  $\sigma$  = (8.059  $\pm$  0.010) p

E/p (after calib.) 
$$| \mu = 0.99, \sigma = (6.951 \pm 0.009) p$$

### **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,

PS cluster energy > 0.2 GeV

p recon > 2.0 GeV/c

# events passed global cuts: 970908

#### Other cuts:

Minimum # events per block: 400, (Cluster) hit threshold: 0.02 GeV

#### Various offsets:

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

Momentum calibration factors: A = 0.273110000, B = 0.721663000, C = 0.0,  $\theta_{pitch}^{GEM}$  = 10.0°,  $d_{BB}$  = 1.5515 m

Macro processing time: CPU 1580.3s | Real 2278.4s