

0.1

0.2

0.4

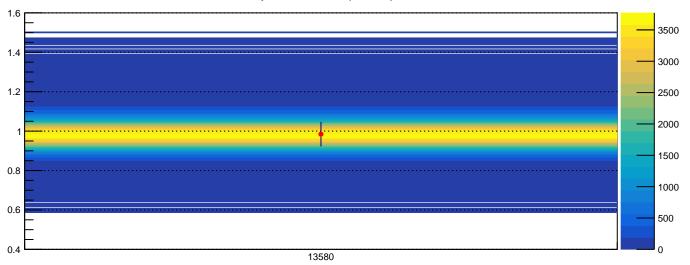
sh.y - tr.y (m)

0.2

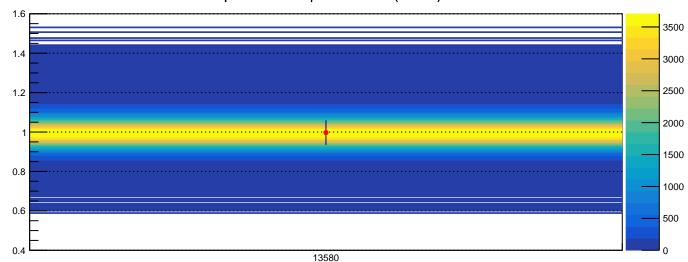
0.4

sh.x - tr.x (m)

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



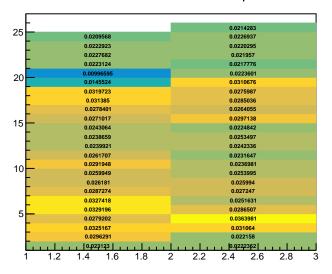
E/p vs Run no. | After Calib. (el. cut)



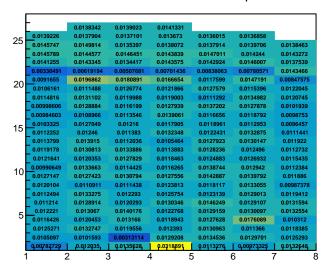
Old ADC Gain Coefficients | SH

L	0.0138342	0.0139023	0.0141331			
0.0139226	0.0137904	0.0137101	0.013673	0.0136015	0.0136858	
0.0145747	0.0149814	0.0135397	0.0138072	0.0137914	0.0139706	0.0138463
0.0145789	0.0144577	0.0146451	0.0143839	0.0147011	0.014244	0.0143272
0.0141255	0.0143345	0.0134417	0.0143575	0.0142924	0.0146007	0.0137539
0.00330491	0.00619194	0.00507681	0.00701436	0.00838063	0.00780571	0.0143466
0.0091655	0.0112457	0.0183921	0.0158096	0.0115561	0.0147217	0.00847575
0.0120191	0.0120737	0.0125487	0.0119664	0.0126818	0.0108323	0.0122045
0.0102925	0.0129473	0.0118064	0.0117516	0.0109043	0.0131611	0.0109329
0.0108595	0.0126318	0.0113614	0.0124163	0.0135445	0.0124067	0.010493
0.00986367	0.0106956	0.0112456	0.0136571	0.0115337	0.0116281	0.0105557
0.0103089	0.0125143	0.0119752	0.011524	0.0116881	0.0111093	0.00972942
0.0111979	0.0122754	0.0111237	0.0130588	0.0121466	0.013008	0.0114495
0.0117753	0.0135428	0.0110769	0.0102329	0.0127138	0.0126581	0.0120975
0.0122866	0.0127669	0.0132963	0.0110697	0.0126312	0.0123393	0.011205
0.0121986	0.0117051	0.0126062	0.0115957	0.0122892	0.0123121	0.0119848
0.0101018	0.0131445	0.0111662	0.011326	0.0137462	0.0126189	0.011966
0.0130727	0.0123022	0.0128511	0.0122936	0.0140094	0.0137684	0.0121587
0.0122768	0.0107729	0.0109441	0.0121079	0.0115066	0.0128098	0.0102128
0.0114216	0.0127659	0.0119178	0.0122324	0.0119336	0.0123807	0.0128705
0.0113454	0.0126578	0.0119287	0.0126268	0.0145027	0.0126205	0.01156
0.0120406	0.0126653	0.0138567	0.0119835	0.0127202	0.0121276	0.0132554
0.0122904	0.0117678	0.0130233	0.0117989	0.0123395	0.0188034	0.010312
0.0120723	0.0132572	0.0119833	0.0122765	0.013312	0.011366	0.0118385
0.0105097	0.0128828	0.0132917	0.0128402	0.0134536	0.0129701	0.0125293
0.00782729	0.012035	0.0135628	0.0318891	0.0113276	0,00973325	0.0132648
1	2	3	4	5	6	7

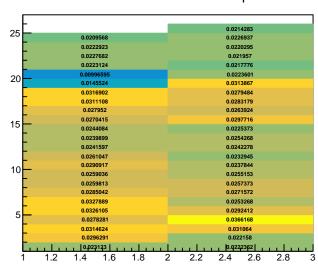
Old ADC Gain Coefficients | PS

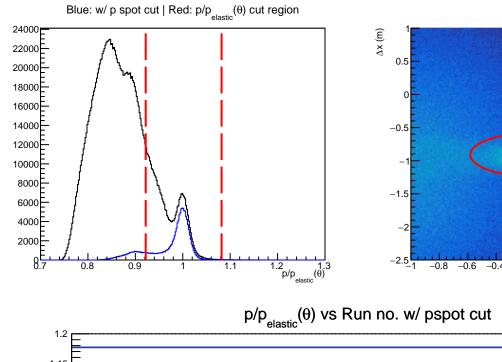


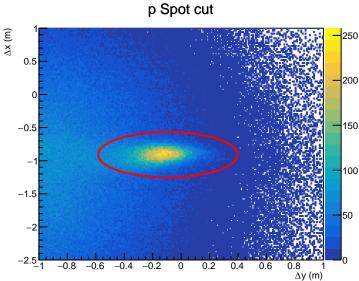
New ADC Gain Coefficients | SH

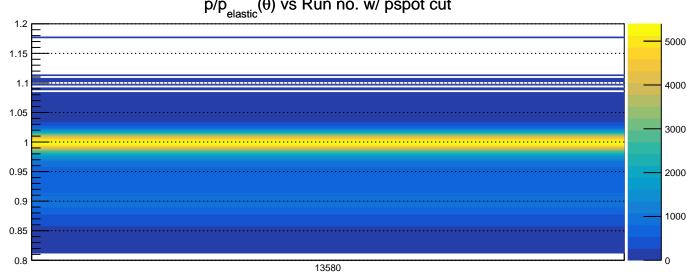


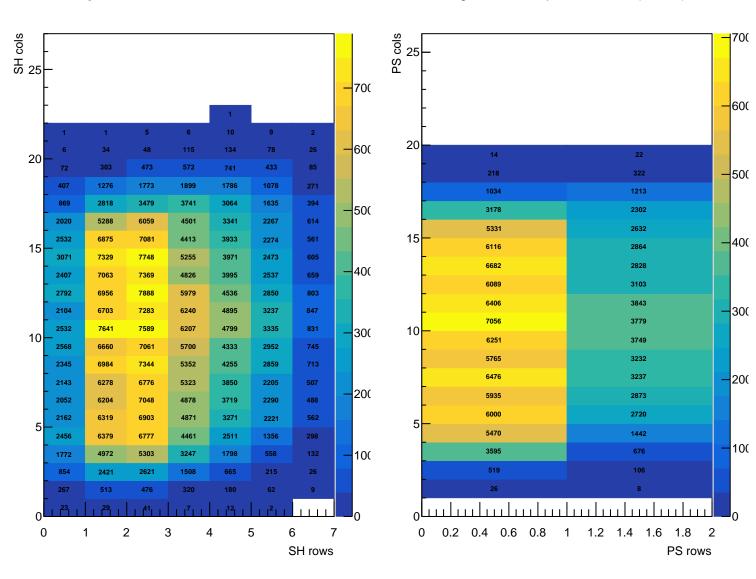
New ADC Gain Coefficients | PS

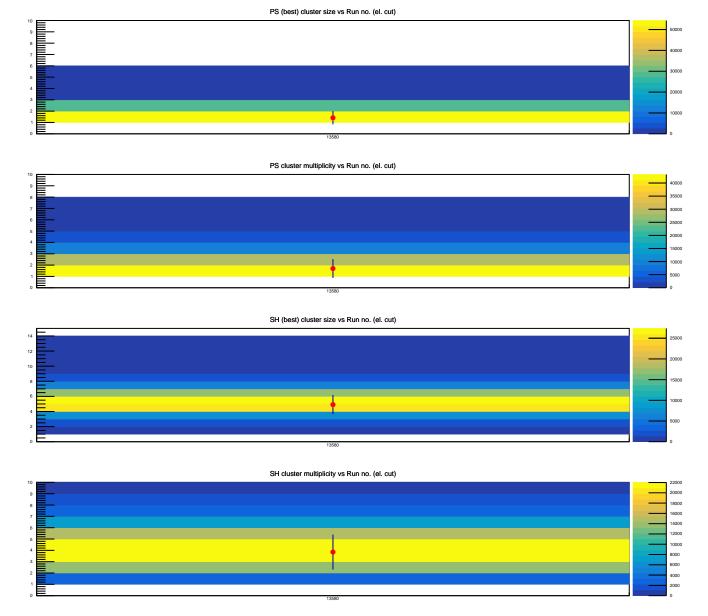












```
Date of creation: 12/11/2023
```

Configfile: BBCal_replay/macros/Combined_macros/cfg/sbs8-sbs50p.cfg

Total # events analyzed: 4271863, Preparing for replay pass: 2

E/p (before calib.) | μ = 0.98, σ = (5.384 \pm 0.026) p E/p (after calib.) | μ = 1.00, σ = (5.408 \pm 0.027) 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)<0.345,
PS cluster energy > 0.2 GeV

p_recon > 2.9 GeV/c

events passed global cuts: 1649379

Elastic cuts: $|p/p_{ol}(\theta) - 1.002| \le 5.0*0.016$

proton spot cut ranges:

 Δx (m): Mean = -0.9100, 3.0 σ = 0.1140

 Δ y (m): Mean = -0.0930, 2.5 σ = 0.1960 # events passed global & elastic cuts: 109129

Other cuts:

Minimum # events per block: 300 | 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 334.1s | Real 567.4s