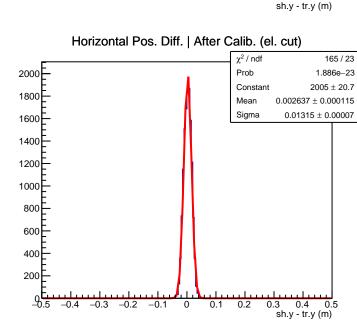
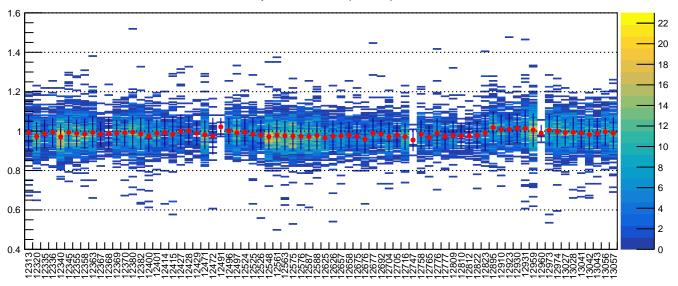


0

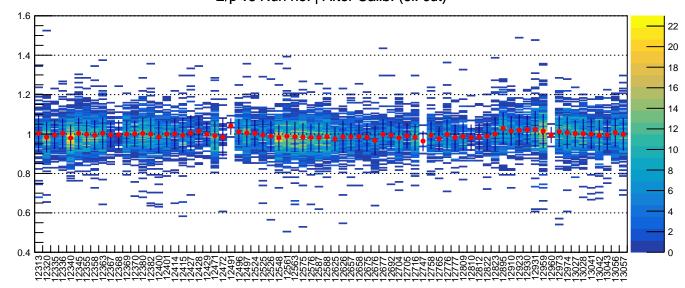
0.1



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



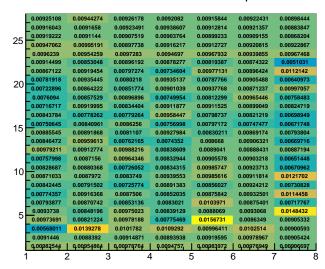
E/p vs Run no. | After Calib. (el. cut)



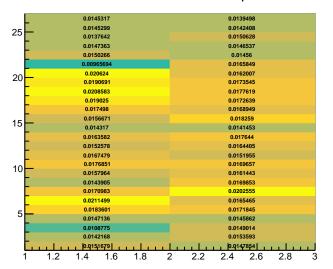
Old ADC Gain Coefficients | SH

25	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	0.00939299	0.00867158	0.00873443	0.00832548	0.00859945	0.0051031
	0.0091691	0.00907135	0.00792929	0.00741619	0.00969862	0.00892876	0.00988556
20	0.00752437	0.00939031	0.00801162	0.00918768	0.00795408	0.0087633	0.00910983
	0.00800887	0.00827476	0.00857123	0.00879079	0.00947604	0.00859583	0.00742983
	0.00780935	0.00853435	0.00905076	0.00761014	0.00830862	0.00969328	0.0080203
	0.00797694	0.00915611	0.00833264	0.00890975	0.00916411	0.00883109	0.00833868
15	0.00801843	0.00801664	0.00809368	0.00949331	0.00808103	0.00824924	0.00647201
	0.00727671	0.00846047	0.00871247	0.0075823	0.00819183	0.00747624	0.00792268
	0.00978871	0.00873785	0.00829064	0.00933443	0.00846494	0.00879033	0.00956746
	0.00819912	0.00960836	0.00765893	0.00761937	0.00882041	0.00906297	0.00709543
10	0.00887075	0.00910232	0.00986469	0.00821083	0.00904101	0.0087255	0.00751052
	0.00746509	0.0087154	0.00946202	0.0081659	0.00900656	0.0091391	0.0065599
	0.00815676	0.00868287	0.00754913	0.00810962	0.00992384	0.00883088	0.00747679
	0.0091011	0.00873877	0.00846983	0.00903068	0.00962362	0.00920798	0.0078077
	0.00807891	0.00789361	0.00722046	0.00879466	0.00879218	0.00843512	0.00730828
5	0.00818221	0.00867737	0.00825511	0.00792703	0.00797556	0.00860835	0.00868495
	0.00746909	0.00861571	0.00849709	0.00844144	0.00986288	0.00806822	0.00717767
	0.00946745	0.00823191	0.00964202	0.00827277	0.00911675	0.00967009	0.0148432
	0.00960079	0.00871624	0.00937918	0.00980358	0.0213906	0.0086349	0.00905332
	0.00568011	0.0117046	0.00896689	0.0131182	0.00996411	0.0102514	0.00900593
	0.0091446	0.0088392	0.00914871	0.00893938	0.00919595	0.00978967	0.00905424
	0.00982544	q.00954864	0.00978764	0.0094757	0.00983972	0,00976949	0.00906697

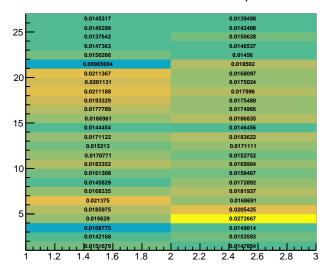
New ADC Gain Coefficients | SH

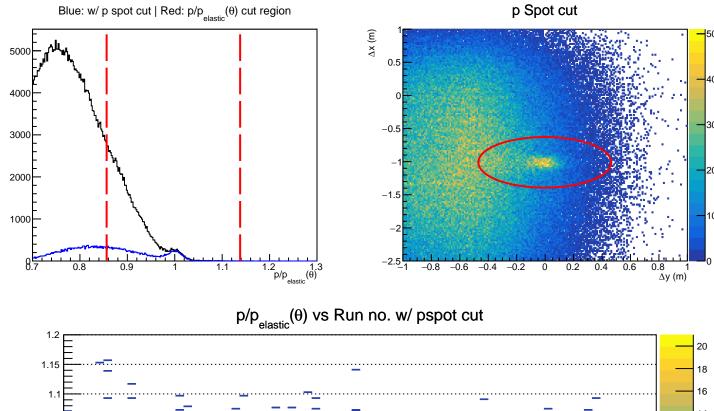


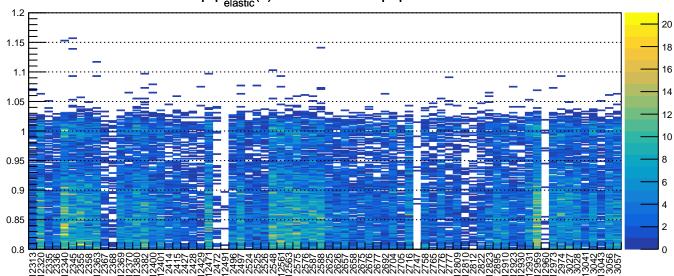
Old ADC Gain Coefficients | PS

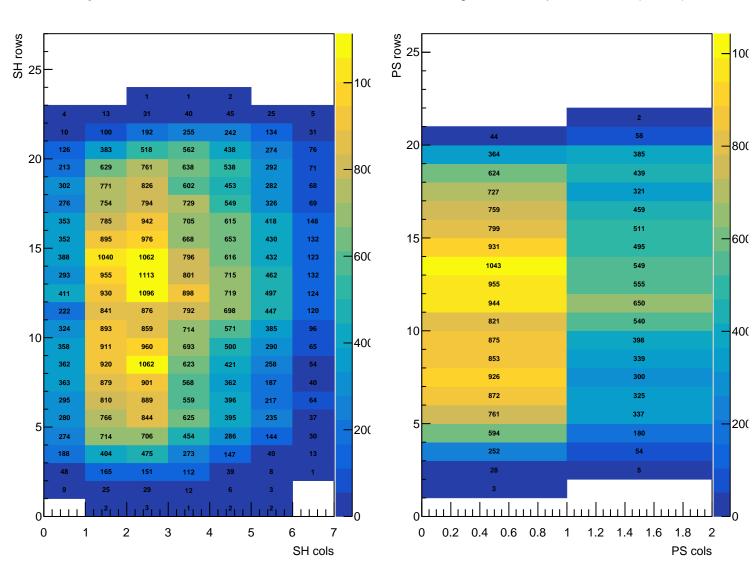


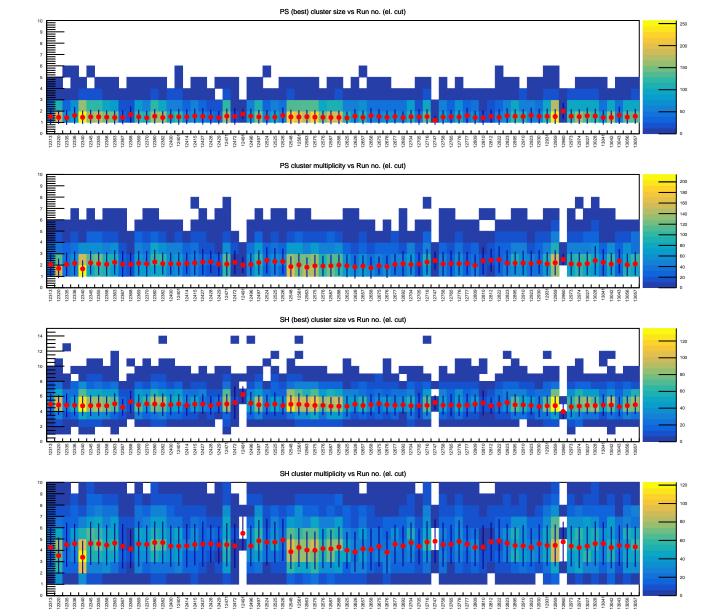
New ADC Gain Coefficients | PS











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Date of creation: 1/4/2024
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Configfile: BBCal_replay/macros/Combined_macros/cfg/sbs11-sbs100p.cfg

Total # events analyzed: 91464410, Preparing for replay pass: 2

E/p (before calib.) | μ = 0.98, σ = (6.430 \pm 0.078) p E/p (after calib.) | μ = 0.99, σ = (6.477 \pm 0.080) 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, abs(sbs.hcal.atimeblk-bb.sh.atimeblk+0.4)<6.*1.6, 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: 519821

Elastic cuts: |p/p_.(θ) - 0.997| ≤ 8.0*0.018

proton spot cut ranges:

proton spot cut ranges: Δx (m): Mean = -1.0100, 5.0 σ = 0.0764

 Δ y (m): Mean = -0.0029, 6.0 σ = 0.0778

events passed global & elastic cuts: 17139

Other cuts:

Minimum # events per block: 50 | 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 5262.5s | Real 8291.2s