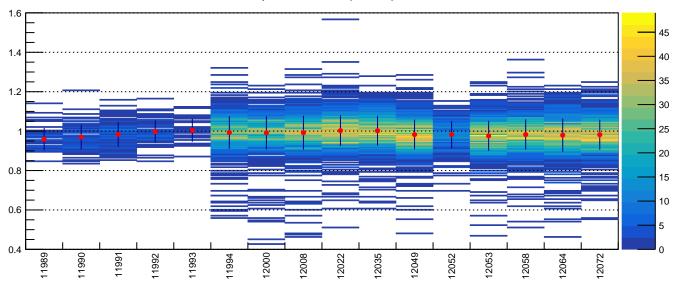
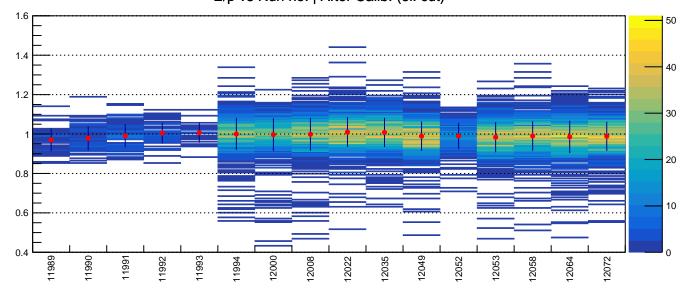


E/p vs Run no. (el. cut)



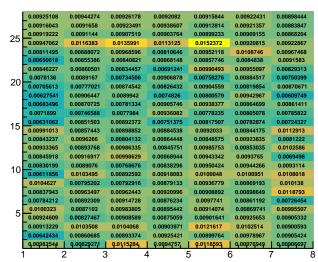
E/p vs Run no. | After Calib. (el. cut)



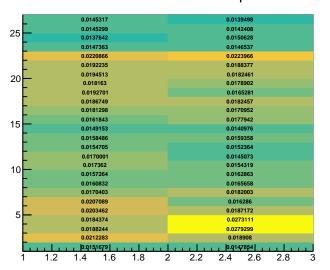
Old ADC Gain Coefficients | SH

- 1	0.00925108	0.00944274	0.00926178	0.0092082	0.00915844	0.00922431	0.00898444
	0.00925108	0.00944274	0.00920178	0.0092082	0.00913844	0.00922431	0.00883847
25	0.00919043	0.0091038	0.00923491	0.00938007	0.00312814	0.00921357	0.00868204
	0.00919222	0.0091144	0.00307313	0.00903764	0.0059233	0.00909133	0.00808204
	0.00347002	0.0110363	0.0133991	0.0113123	0.0152372	0.0108746	0.00922807
20	0.00650618	0.00855386	0.00968596	0.00810646	0.00952118	0.0108746	0.00967466
	0.00846227	0.00833380	0.00845237	0.00745836	0.00037740	0.00957352	0.0091383
	0.00646227	0.00917927	0.00758264	0.00745836	0.00944191	0.00957352	0.00962666
	0.00725212	0.00780465	0.0088265	0.00812951	0.00889957	0.00874935	0.00788141
	_0.00767476	0.00897632	0.00901699	0.00772578	0.00746586	0.0099766	0.00818213
	_ 0.0074587	0.008782	0.00806666	0.0089308	0.00921898	0.00913581	0.00715203
15	_0.00670476	0.00760845	0.00788209	0.00935784	0.00772942	0.0078721	0.00891466
	0.00727392	0.00823701	0.00854345	0.00722929	0.00826179	0.00766244	0.00726462
	_0.00937913	0.00871721	0.00908698	0.00886107	0.00908595	0.0085979	0.00938112
	0.00848548	0.00951646	0.00814069	0.00846331	0.00882283	0.00927366	0.00796978
	0.00881358	0.00910923	0.00975695	0.00844531	0.00980123	0.00882962	0.0093802
	0.00902501	0.00902329	0.00978702	0.00863501	0.00930127	0.00907427	0.00876634
10	0.00751019	0.008862	0.00752894	0.00828596	0.0093414	0.0102642	0.00892903
	0.00867877	0.00981228	0.00890322	0.00892135	0.00956865	0.0102237	0.00909107
	0.00849416	0.00805687	0.00805525	0.00868881	0.00882037	0.00972529	0.00934444
	0.00864276	0.00946096	0.00926251	0.00893088	0.00862848	0.00924069	0.00937014
5	0.0075443	0.00855194	0.00892778	0.00887661	0.00943714	0.0089098	0.0117063
	0.00840597	0.00890294	0.00955135	0.00883219	0.0090086	0.0105166	0.0093866
	0.00916712	0.00828157	0.00912772	0.00818547	0.00964627	0.0086349	0.00905332
	0.00789369	0.00921813	0.00892864	0.00792423	0.00839414	0.0102514	0.00900593
	0.00642434	0.00860685	0.00893374	0.00925421	0.00899764	0.00978967	0.00905424
	0.00982544	0.00829271	0.0115284	0.0094757	0.0118593	0,00976949	0.00906697
- 1		2 :	3 4	1 !	5 (3 7	7

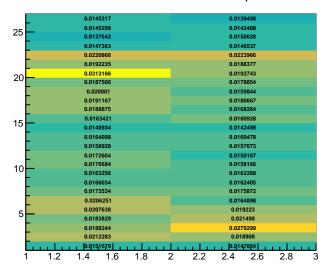
New ADC Gain Coefficients | SH

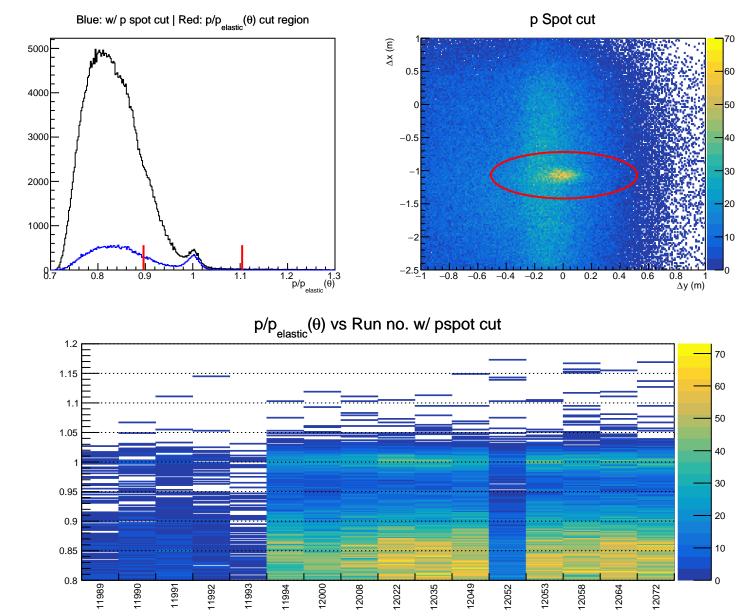


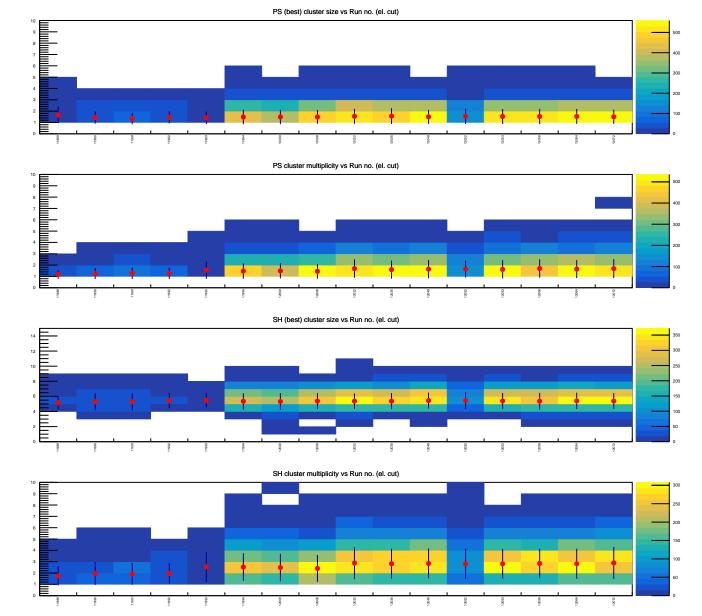
Old ADC Gain Coefficients | PS



New ADC Gain Coefficients | PS







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Date of creation: 8/18/2023
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Configfile: BBCal_replay/macros/Combined_macros/cfg/sbs7-sbs85p.cfg

Total # events analyzed: 6298021, Preparing for replay pass: 2

E/p (before calib.) |
$$\mu$$
 = 0.99, σ = (6.258 \pm 0.081) p
E/p (after calib.) | μ = 1.00, σ = (6.130 \pm 0.082) 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]-0.005)<0.33, PS cluster energy > 0.2 GeV

p_recon > 2.1 GeV/c

events passed global cuts: 367716

Elastic cuts:

 $|p/p_{el}(\theta) - 1.000| \le 8.0*0.013$

proton spot cut ranges:

 Δx (m): Mean = -1.0686, 5.0 σ = 0.0702 Δy (m): Mean = 0.0066, 6.0 σ = 0.0856

events passed global & elastic cuts: 11694

Other cuts:

Minimum # events per block: 30, (Cluster) hit threshold: 0.02 GeV

Various offsets:

Momentum fudge factor: 1.00, BBCAL cluster energy scale factor: 1.00 Momentum calibration factors: A = 0.277770030, B = 0.915135981, C = 0.0, $\theta_{\text{nitch}}^{\text{GEM}}$ = 10.0°, d_{BB} = 1.8490 m

Macro processing time: CPU 466.6s | Real 1038.0s