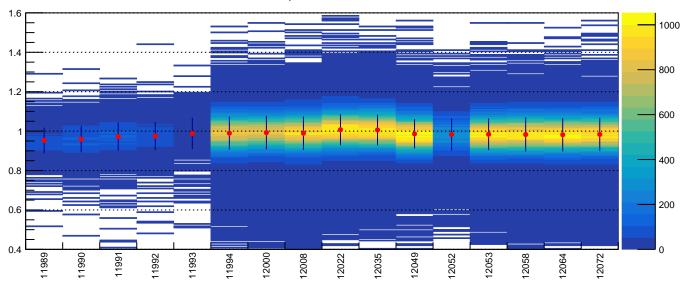


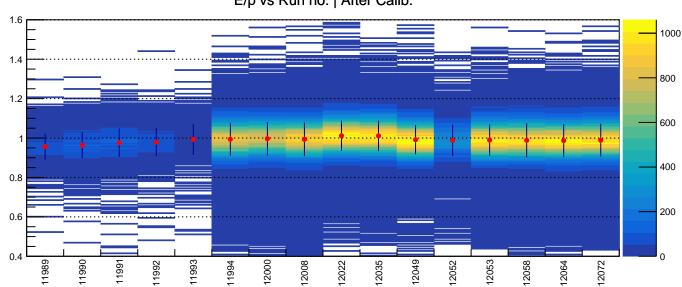
sh.y - tr.y (m)

sh.x - tr.x (m)

E/p vs Run no.



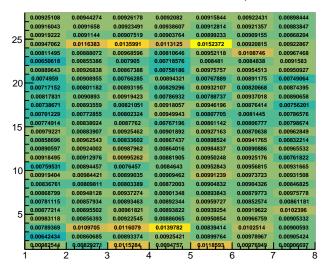
E/p vs Run no. | After Calib.



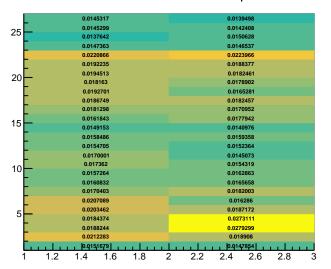
Old ADC Gain Coefficients | SH

	0.00925108	0.00944274	0.00926178	0.0092082	0.00915844	0.00922431	0.00898444
	0.00925108	0.00944274	0.00920176	0.0092082	0.00913844	0.00922431	0.00883847
25	0.00919222	0.0091038	0.00923491	0.00938007	0.00312814	0.00921357	0.00868204
	0.00947062	0.0116383	0.0135991	0.00303704	0.0152372	0.00920815	0.0000204
	0.00811495	0.00888072	0.00968596	0.00810646	0.00952118	0.0108746	0.00322007
	0.00650618	0.00855386	0.00840821	0.00810048	0.00952118	0.0084838	0.00907400
	0.00846227	0.00917927	0.00845237	0.00745836	0.00037740	0.00957352	0.0091303
20	0.0072145	0.00917927	0.00758264	0.00743836	0.00944191	0.00937332	0.00902080
	0.0072143	0.0030103	0.00738264	0.00812951	0.0074397	0.00947408	0.0063193
	0.00723212	0.00780403	0.0088265	0.00612531	0.00869937	0.00874933	0.00788141
	0.00767476	0.00897632	0.00901699	0.00772578	0.00746586	0.0099766	0.00818213
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
ıol	<u>0</u> .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	Q.0Q82927 ₁ 1	0.0115284	0.0094757	0.0118593	0.00976949	0.00906697

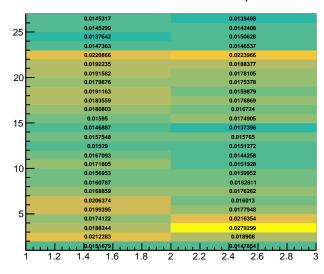
New ADC Gain Coefficients | SH



Old ADC Gain Coefficients | PS



New ADC Gain Coefficients | PS



Date of creation: 8/16/2023

Configfile: BBCal_replay/macros/Combined_macros/cfg/sbs7-sbs85p.cfg

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

E/p (before calib.) |
$$\mu$$
 = 0.99, σ = (6.154 \pm nan) p

E/p (after calib.) $\mu = 1.00$, $\sigma = (6.143 \pm nan)$ 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

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 = 0.277770030, B = 0.915135981, C = 0.0, θ_{pitch}^{GEM} = 10.0°, d_{BB} = 1.8490 m

Macro processing time: CPU 584.6s | Real 1127.2s