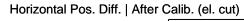


1000

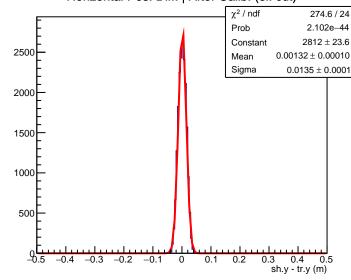
500



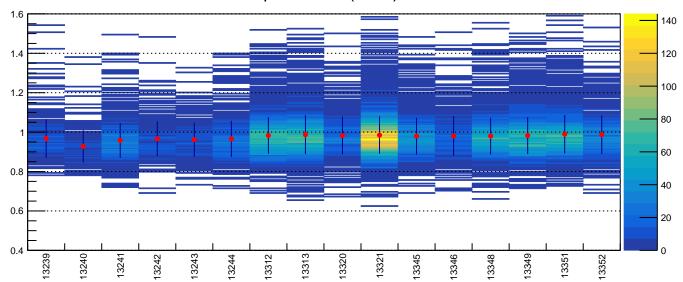
0

0.1

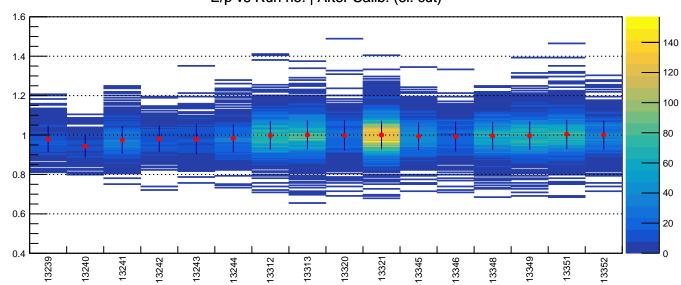
sh.y - tr.y (m)



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



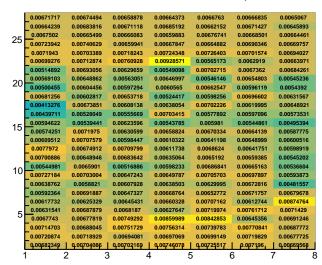
E/p vs Run no. | After Calib. (el. cut)



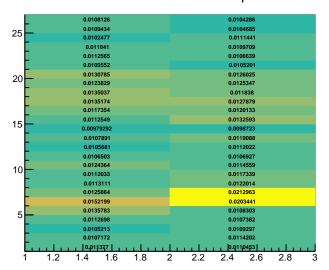
Old ADC Gain Coefficients | SH

- 1	0.00671717	0.00674494	0.00658878	0.00664373	0.0066763	0.00666835	0.0065067
	0.00664239	0.00683816	0.00671118	0.00685192	0.00662152	0.00671427	0.00645893
25	0.0067502	0.00665499	0.00666083	0.00659883	0.00676741	0.00668501	0.00664461
	0.00723942	0.00740629	0.00659941	0.00667847	0.00664882	0.00690346	0.00669757
	0.0071943	0.00703389	0.00718243	0.00724348	0.00726403	0.00701574	0.00694027
	0.00699276	0.00703303	0.00760928	0.00724346	0.00666833	0.00701574	0.00663971
	0.00693747	0.00696781	0.00560188	0.00503777	0.00614589	0.00700729	0.00690415
20	0.00593175	0.00627211	0.00550852	0.00617262	0.0053515	0.00658523	0.00672443
	0.00523491	0.00593186	0.00581027	0.00586985	0.00651954	0.00604355	0.00594703
	0.00583732	0.00592071	0.00616419	0.00513652	0.00589041	0.00664907	0.00563397
	0.0049745	0.00639744	0.00600667	0.00619707	0.00661657	0.00593821	0.00589742
	0.00518779	0.0053752	0.00573373	0.00668604	0.00561449	0.00577894	0.00551234
	0.00589713	0.00550769	0.0061522	0.00563139	0.00615494	0.00580611	0.00583174
15	0.00612612	0.00530703	0.00623738	0.00503153	0.00636435	0.00636113	0.00595351
	0.00621082	0.00676043	0.00623730	0.00605792	0.00618975	0.00629826	0.0063299
	0.00654873	0.00666284	0.00696701	0.00615671	0.00671641	0.00624121	0.00588845
	0.00660582	0.00645205	0.00676769	0.00617401	0.00637952	0.00644989	0.00606303
10	0.00525639	0.00653324	0.00520428	0.00585144	0.00662812	0.00693943	0.00691827
	0.00620003	0.00682637	0.00520420	0.00505744	0.0065675	0.0070237	0.00696492
	0.00619466	0.00574125	0.00595273	0.00624166	0.00608245	0.0076251	0.00710329
	0.00595064	0.00574125	0.00629599	0.00578798	0.00527953	0.0075255	0.00710323
	0.0055785	0.00592672	0.00629399	0.00576756	0.00327933	0.0073233	0.00747001
	0.0033763	0.00332072	0.0065583	0.00374070	0.0163634	0.00689929	0.0071429
5	0.00691047	0.00755947	0.019294	0.00746927	0.00662784	0.00645356	0.00691246
	0.00714703	0.00688045	0.00751729	0.00746327	0.00739783	0.00770841	0.00687772
	0.00714703	0.00088045	0.00751725	0.00730314	0.00739763	0.00770841	0.00677725
	0.00720874	I 0.00704086	0.00034081	0.00037003	0.00099149	0.00719829	0.00677723
	4.00004349	4.04r 0400p	G007 04 103	400/440/6	400/2951/	p.op/ 1901	4000003000

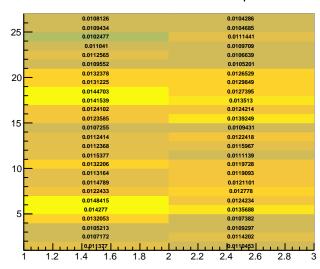
New ADC Gain Coefficients | SH

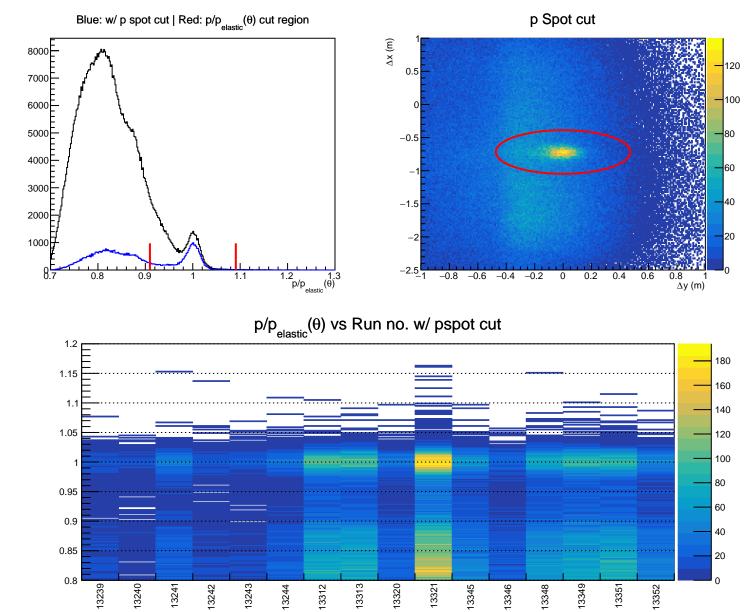


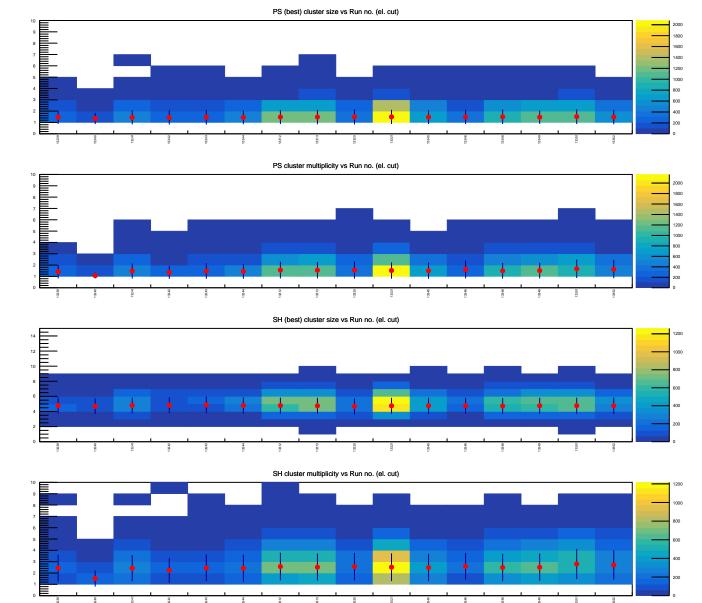
Old ADC Gain Coefficients | PS



New ADC Gain Coefficients | PS







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Date of creation: 8/16/2023
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Configfile: BBCal_replay/macros/Combined_macros/cfg/sbs14-sbs70p.cfg

Total # events analyzed: 3506692, Preparing for replay pass: 2 E/p (before calib.) | μ = 0.97, σ = (6.751 \pm 0.056) p

E/p (after calib.) | μ = 0.99, σ = (6.289 ± 0.069) 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)<0.335, PS cluster energy > 0.2 GeV

p_recon > 1.5 GeV/c

events passed global cuts: 629404

Elastic cuts: |p/p_{cl}(θ) - 1.000| ≤ 6.0*0.015

proton spot cut ranges:

 Δx (m): Mean = -0.7178, 4.0 σ = 0.0823

 Δy (m): Mean = -0.0006, 5.0 σ = 0.0946

events passed global & elastic cuts: 23484
Other cuts:

Minimum # events per block: 100, (Cluster) hit threshold: 0.02 GeV

Various offsets:

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

Momentum calibration factors: A = 0.268609000, B = 0.953111000, C = 0.0, θ_{pitch}^{GEM} = 10.0°, d_{BB} = 1.8479 m

Macro processing time: CPU 224.6s | Real 238.3s