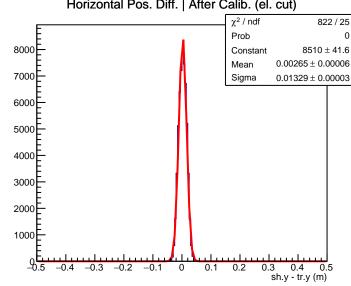
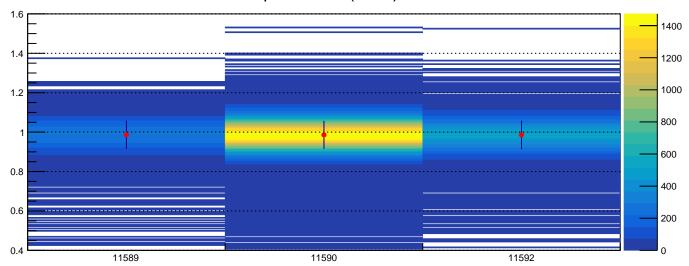


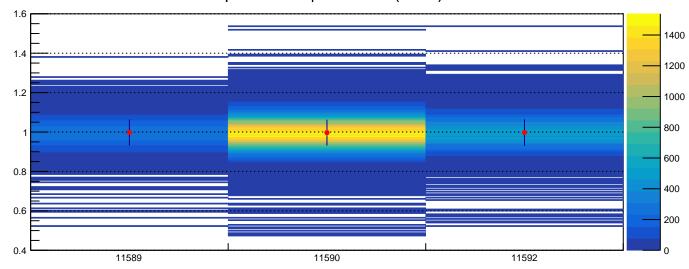
Horizontal Pos. Diff. | After Calib. (el. cut)



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



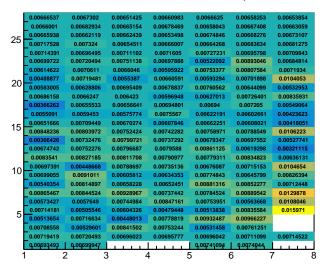
E/p vs Run no. | After Calib. (el. cut)



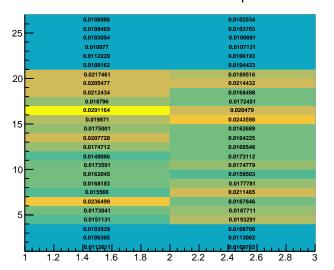
Old ADC Gain Coefficients | SH

	0.00666537	0.0067302	0.00651425	0.00660983	0.0066625	0.00658253	0.00653854
	0.0066001	0.00682934	0.00665154	0.00678469	0.00658043	0.00667408	0.00663059
25	0.00665938	0.00662119	0.00662439	0.00653498	0.00674846	0.00668276	0.00673107
	0.00717528	0.007324	0.00654511	0.00666007	0.00664268	0.00683634	0.00681275
	0.00714391	0.00696495	0.00711102	0.0071605	0.00727231	0.00695798	0.00709843
	0.00699722	0.0070418	0.00698534	0.00523929	0.00531424	0.00800378	0.00684814
	0.0065093	0.00696503	0.00653489	0.00585066	0.00733696	0.00784507	0.00750451
20	0.00463297	0.00707095	0.00536731	0.00655511	0.00570703	0.00660881	0.0106882
	0.00566049	0.00605765	0.00679641	0.00647078	0.00748929	0.00624586	0.00452675
	0.00656314	0.00642801	0.00619867	0.0058917	0.00616754	0.00690373	0.00879011
	0.00363565	0.00643553	0.00647388	0.00678408	0.00673301	0.00695166	0.00555985
	0.00546298	0.00580525	0.00563528	0.00743324	0.00611361	0.0058396	0.0041696
15	0.00646027	0.00698218	0.00654538	0.00596474	0.0065354	0.00593395	0.0045736
	0.00843358	0.00781441	0.00736764	0.00730238	0.00751825	0.00751148	0.011101
	0.0035934	0.00712088	0.00779003	0.00714342	0.00656328	0.00687887	0.00510107
	0.00657641	0.00714951	0.00770553	0.00768879	0.00830962	0.00611984	0.00290024
	0.00808905	0.00781931	0.00766311	0.00758392	0.00755084	0.00791594	0.00655961
10	0.00714171	0.00421269	0.00768937	0.00700179	0.00664711	0.00663197	0.0117044
	0.00692781	0.00878635	0.00592278	0.00614464	0.00750858	0.00628385	0.00835584
	0.00528436	0.00790991	0.00641208	0.00629624	0.00850545	0.00807366	0.00867409
	0.00835703	0.0080139	0.00895613	0.00701918	0.00761121	0.00855195	0.00982946
	0.00559817	0.0056342	0.00734634	0.00819836	0.00724903	0.00524562	0.0127821
_	0.00733246	0.00481051	0.00595581	0.00461718	0.00495867	0.008137	0.0135906
5	0.00491001	0.00680141	0.00438046	0.0078209	0.00925175	0.00921494	
	0.00708558	0.00718018	0.00918858	0.00761514	0.00732461	0.00761251	
	0.00719419	0.00720493	0.00696023	0.00695777	0.00696042	0.00711099	0.00714522
	0.00693493	0.00699947			0.00741094	0.0074044	
	1 2	2 :	3 4	1	5 (3	7

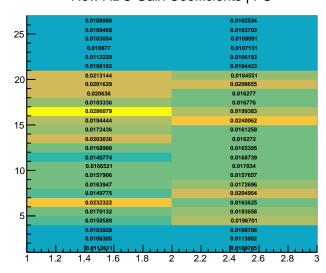
New ADC Gain Coefficients | SH

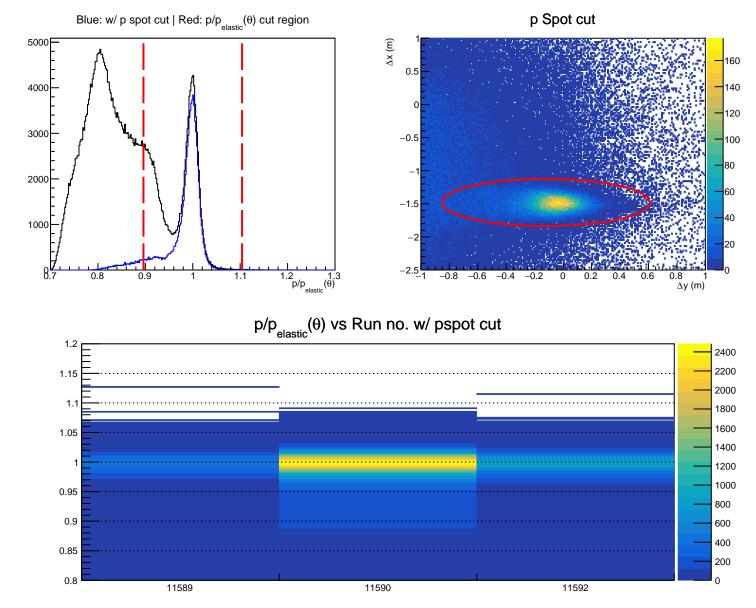


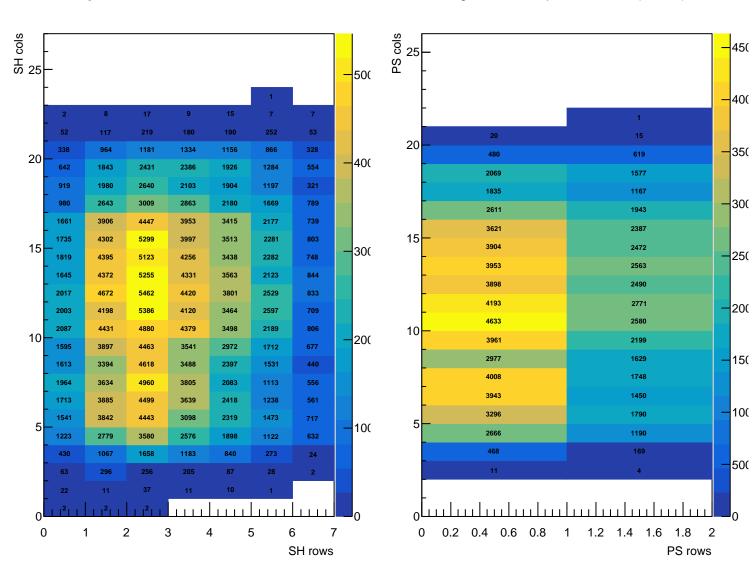
Old ADC Gain Coefficients | PS

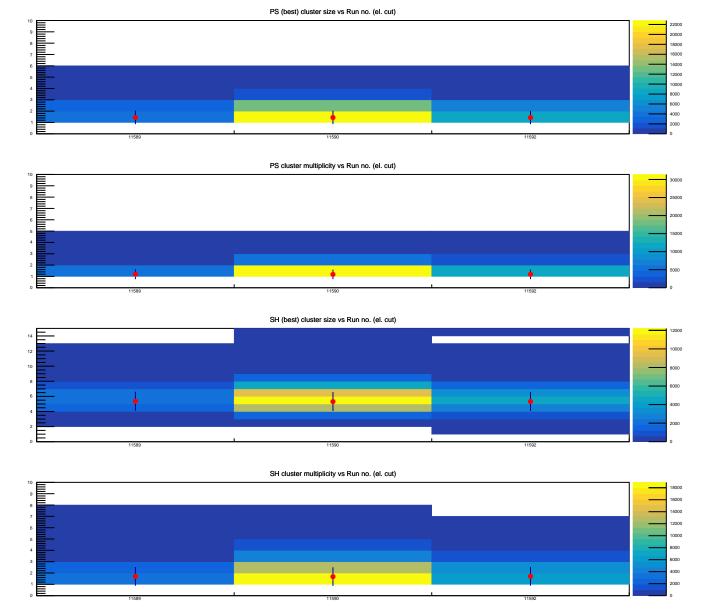


New ADC Gain Coefficients | PS









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Date of creation: 12/12/2023
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Configfile: BBCal_replay/macros/Combined_macros/cfg/sbs4-sbs50p.cfg

Total # events analyzed: 1405970, Preparing for replay pass: 2 E/p (before calib.) | μ = 0.99, σ = (6.062 \pm 0.035) p

E/p (after calib.) $\mu = 1.00$, $\sigma = (6.061 \pm 0.038)$ 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]-0.02)<0.33,
PS cluster energy > 0.2 GeV

p_recon > 1.6 GeV/c

events passed global cuts: 408613

Elastic cuts:

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

proton spot cut ranges: Δx (m): Mean = -1.4800, 4.0 σ = 0.0890

 Δ y (m): Mean = -0.1200, 5.0 σ = 0.1460

events passed global & elastic cuts: 73525

Other cuts:

Minimum # events per block: 80 | 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 129.6s | Real 311.1s