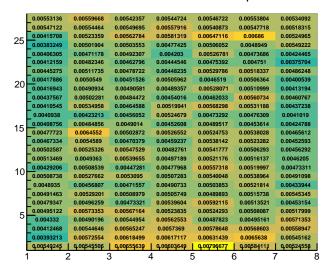


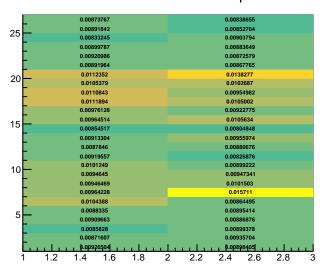
Old ADC Gain Coefficients | SH

20.00533/344 0.00572721 0.0058555 0.00583599 0.00588179 0.00571589 0.00553379 20.0055087 0.00575573 0.00510246 0.00530899 0.00571257 0.00550252 0.00571257 0.005502527 0.0055025278 0.00552057 0.0055025278 0.005520578 0.005520578 0.005520578 0.00532057 0.005302578 0.00532057 0.005302578 0.00532057 0.005302578 0.00533484 0.004502532 0.004464229 0.00533482 0.00533484 0.00453184 0.00455788 0.00455788 0.00455788 0.00455788 0.00455788 0.00455788 0.00455788 0.00455788 0.00455788 0.00457883 0.00457657 0.00455788 0.00457685 0.00457657 0.00457658 0.00457657 0.00457658 0.00457677 0.00457658 0.00457677 0.00457677 0.00457677 0.00457677 0.00457677 0.004576777 0.00457677 0.00457677 0.00457677 0.00457677 0.00457677 0.00457677 0.00457677 0.00457677 0.00457677 0.00457677 0.0045777 0.0045777 0.0045777 0.0								
25		0.00553136	0.00559668	0.00542357	0.00544724	0.00546722	0.00553804	0.00534092
20	25	0.00547122	0.00554464	0.00549695	0.00557916	0.00540873	0.00547718	0.00518315
20.00533/344 0.00572721 0.0058555 0.00583599 0.00588179 0.00571589 0.00553379 20.0055087 0.00575573 0.00510246 0.00530899 0.00571257 0.00550252 0.00571257 0.005502527 0.0055025278 0.00552057 0.0055025278 0.005520578 0.005520578 0.005520578 0.00532057 0.005302578 0.00532057 0.005302578 0.00532057 0.005302578 0.00533484 0.004502532 0.004464229 0.00533482 0.00533484 0.00453184 0.00455788 0.00455788 0.00455788 0.00455788 0.00455788 0.00455788 0.00455788 0.00455788 0.00455788 0.00457883 0.00457657 0.00455788 0.00457685 0.00457657 0.00457658 0.00457657 0.00457658 0.00457677 0.00457658 0.00457677 0.00457677 0.00457677 0.00457677 0.00457677 0.004576777 0.00457677 0.00457677 0.00457677 0.00457677 0.00457677 0.00457677 0.00457677 0.00457677 0.00457677 0.00457677 0.0045777 0.0045777 0.0045777 0.0		0.00553046	0.00544137	0.0054459	0.00539447	0.00549443	0.00544843	0.00524965
0.00562087		0.00583771	0.0060026	0.00536157	0.0054628	0.00544149	0.00558163	0.00543893
20 0.00550427 0.00560337 0.0046208 0.00416844 0.00502231 0.00550278 0.00556932 20 0.00470628 0.00486888 0.0052232 0.00462229 0.00535482 0.00531484 0.00470629 0.00498845 0.00497202 0.00488845 0.00523552 0.0051538 0.00437353 0.00453454 0.00499846 0.00483556 0.0052745 0.0056655 0.00537608 0.00473353 0.00437334 0.00436344 0.00423024 0.00461443 0.0052745 0.0056777 0.00436588 0.00436058 0.0044105 0.00492082 0.0046061 0.00433379 0.0045777 0.0043978 0.00437434 0.0054484 0.00482324 0.004717275 0.00543484 0.00452902 0.0048348 0.00509348 0.00532477 0.00552052 0.00494348 0.00543448 0.00543448 0.005294348 0.00529090 0.0048055990 0.00548697 0.0056335 0.00543146 0.0054804 0.0054894 0.0054894 0.0054894 0.0054894 0.00553176 <t< td=""><td>0.00583434</td><td>0.00572721</td><td>0.0058556</td><td>0.00583509</td><td>0.00588179</td><td>0.00571589</td><td>0.00563379</td></t<>		0.00583434	0.00572721	0.0058556	0.00583509	0.00588179	0.00571589	0.00563379
20 0.00470628 0.00496888 0.00448674 0.00502532 0.00464229 0.00535482 0.00531484 0.00410014 0.0049526 0.0048885 0.0048885 0.00452652 0.00510538 0.00478655 0.00455454 0.00499846 0.00483556 0.00527458 0.005265252 0.00479355 0.00473358 0.00417338 0.00452848 0.00467728 0.00522745 0.0056555 0.00473538 0.00473358 0.00415109 0.00484105 0.0046981 0.00530948 0.00530949 0.00456777 0.00453978 0.0047333 0.0053448 0.00530948 0.00530044 0.0052092 0.00468061 0.0043499 0.0054977 0.00453978 0.00509348 0.0052477 0.00550052 0.00490283 0.00548767 0.00509916 0.0062529 0.00468567 0.00509916 0.00642529 0.00508352 0.00497851 0.00541712 0.005001918 0.00529311 0.00468987 0.00508477 0.00503353 0.00451416 0.0050414101 0.00523176 0.00546898 0.00572112<		0.00562087	0.00575573	0.00510246	0.00538069	0.00571257	0.00591655	0.00532957
20 0.00410014 0.004953 0.00497202 0.00488845 0.00523652 0.00510538 0.00475695 0.00455454 0.00493946 0.00437362 0.00461463 0.00522745 0.00565655 0.00577608 0.00473638 0.00417333 0.00534848 0.00467728 0.00522745 0.00565655 0.00577608 0.00473638 0.00436344 0.00423024 0.00461843 0.00521989 0.00473377 0.00478538 0.00385626 0.00436354 0.00483156 0.0068899 0.00530034 0.005225259 0.00471731 0.0047101 0.0047343 0.0054948 0.00482324 0.00471275 0.0054348 0.0052902 0.00489381 0.00509548 0.00532477 0.00550914 0.0052919918 0.00525311 0.00462529 0.00516857 0.0052963 0.0053414 0.00523611 0.00526311 0.005469 0.00552531 0.0052787 0.0052775 0.00547357 0.00480252 0.00552651 0.00573328 0.0052787 0.00527857 0.00649041 0.00526688		0.00550427	0.00560337	0.0046208	0.00416844	0.00502231	0.00550278	0.00556932
0.00410014	20	0.00470628	0.00496888	0.00448674	0.00502532	0.00464229	0.00535482	0.00531484
0.00417338		0.00410014	0.0049453	0.00497202	0.00488845	0.00523652	0.00510538	0.00475695
15		0.00455454	0.00499846	0.00483556	0.00453788	0.00461463	0.005523	0.00479335
15 0.00415109 0.00484105 0.00492082 0.0046061 0.00493499 0.00456777 0.00453978 0.00438058 0.0064316 0.00509894 0.0052024 0.0057175 0.00522525 0.00541731 0.00471011 0.00593548 0.00532477 0.00552052 0.00490283 0.00548767 0.0059916 0.00462529 0.005035477 0.00545124 0.00504174 0.0059918 0.00529916 0.00462529 0.00548477 0.00560335 0.00453146 0.00481041 0.00553176 0.005469 0.00555895 0.00516855 0.00529603 0.00543891 0.00540840 0.00529311 0.0055868 0.00573245 0.00556935 0.00469876 0.00646957 0.00612793 0.0055886 0.00461811 0.00557245 0.00556935 0.00469876 0.0066957 0.00612793 0.00557325 0.005571086 0.00564986 0.00567402 0.00550966 0.00560957 0.00553052 0.0057325 0.00550950 0.0056051086 0.00614896 0.00560675 0.005605375 0.0057325<		0.00417338	0.00535488	0.00467728	0.00522745	0.00566565	0.00537608	0.00473638
15 0.00488058 0.0064316 0.00508989 0.00530034 0.00525295 0.00541731 0.00471101 0.00509548 0.0523042 0.00471275 0.00548767 0.00509916 0.00482529 0.005093542 0.00471275 0.0052902 0.00490283 0.00548767 0.00509916 0.00462529 0.00508352 0.00497851 0.00541742 0.00500419 0.00519918 0.00525311 0.00496897 0.0054877 0.0050335 0.0045146 0.00481041 0.00553176 0.0055269 0.0055885 0.00502878 0.0046279 0.00549355 0.00480252 0.00509576 0.006134 0.0057312 0.00541139 0.00552709 0.0055805 0.0064876 0.0066957 0.006134 0.0057328 0.00587209 0.00957038 0.00688976 0.0066957 0.00559273 0.00573601 0.0058061 0.00562087 0.0061050 0.00612497 0.0062224 0.0062323 0.00539915 0.00573612 0.00550599 0.00550505 0.006666412 0.00571299 0.006		0.00436344	0.00423024	0.00461843	0.00521989	0.00473357	0.00478538	0.00395826
0.00438013 0.0054948 0.00503939 0.0053034 0.00525348 0.00529002 0.00489381 0.00503938 0.0053477 0.00550502 0.00489381 0.0054877 0.00550352 0.00497851 0.00553176 0.00548767 0.00509916 0.00482529 0.005484877 0.00506335 0.005453146 0.00548104 0.00553176 0.00553511 0.0054690 0.0055895 0.00548857 0.0052863 0.00534891 0.00548941 0.00528688 0.00572112 0.0055895 0.00548181 0.00504881 0.00504884 0.00528688 0.00572112 0.0055895 0.00641811 0.005097245 0.0055035 0.00489376 0.00649557 0.00612793 0.006323 0.00648181 0.00588729 0.0055935 0.00649876 0.0069557 0.00612793 0.0060323 0.00587299 0.00557302 0.00549876 0.00695570 0.00557302	15	0.00415109	0.00484105	0.00492082	0.0046061	0.00493499	0.00456777	0.00453978
0.00509548 0.00532477 0.00552052 0.00490283 0.00548767 0.0050916 0.00462529 0.00508352 0.00487851 0.00509191 0.00529311 0.0045987 0.004548477 0.005068355 0.00459146 0.00481041 0.00553176 0.00553176 0.0056869 0.0055868 0.0052878 0.0045299 0.00473575 0.00469876 0.00569585 0.0061814 0.0057245 0.00569035 0.00469876 0.0066957 0.00612793 0.005328 0.0053139 0.0052885 0.0050417 0.00581967 0.00560957 0.00563740 0.0055365 0.00563740 0.00553666 0.00530622 0.00571402 0.00551086 0.00614996 0.00550906 0.00607528 0.00550366 0.00530622 0.00571333 0.005500509 0.0056007 0.0061497 0.0061497 0.00620824 0.0062328 0.00530622 0.00571353 0.005500509 0.00560057 0.00614996 0.00614996 0.00650066 0.00614996 0.0065006 0.00650066 0.00650066 0.00650066 0.		0.00488058	0.0064316	0.00508989	0.00530034	0.00525295	0.00541731	0.00471101
0.00508352 0.00497851 0.00541742 0.00500419 0.00519918 0.00525311 0.00469877 0.00454877 0.0056335 0.00453146 0.0054316 0.00553176 0.0056969 0.00555895 0.00502878 0.0045279 0.00473557 0.00460252 0.00509576 0.006134 0.00573228 0.00461811 0.00597245 0.0056935 0.00469876 0.00469557 0.0061343 0.0056333 0.00587209 0.00957038 0.00868976 0.0066959 0.00556275 0.00573028 0.00551086 0.00514896 0.0061054 0.0061024 0.0059323 0.006375209 0.00550559 0.005057209 0.00957038 0.00669572 0.0050067524 0.0050344 0.00559273 0.00573601 0.0050059 0.00505057 0.0061054 0.0061054 0.00620544 0.00620544 0.00633454 0.00559273 0.00573601 0.00500505 0.005060505 0.00666614 0.0052055 0.00666614 0.0052095 0.00626412 0.00571299 0.006393915 0.00544162		0.0047343	0.0054948	0.00482324	0.00471275	0.0054348	0.00529002	0.00489381
10 0.00454877 0.00506335 0.00453146 0.00481041 0.00553176 0.0054669 0.00555895 0.00576278 0.0045279 0.00473557 0.00604826 0.00502963 0.0050271212 0.00573228 0.0057278 0.00467279 0.00473557 0.00680252 0.00509576 0.0061343 0.00573328 0.00631139 0.0052885 0.0050476 0.006177 0.0066976 0.0061793 0.00567502 0.0057209 0.00573038 0.0068976 0.0058044 0.00583454 0.005529273 0.00575402 0.00580661 0.00562087 0.00611051 0.00612497 0.00620224 0.0052323 0.0058947 0.00550595 0.00563059 0.00563055 0.00566611 0.00520824 0.0052324 0.0052324 0.0052323 0.00550541 0.0052324 0.0052323 0.0055057402 0.00575022 0.00575022 0.00575022 0.00575022 0.00575022 0.00575022 0.00575022 0.00575022 0.00575022 0.0057502 0.0057502 0.00580661 0.00580661 0.00580661 0.		0.00509548	0.00532477	0.00552052	0.00490283	0.00548767	0.00509916	0.00462529
10 0.00516855 0.00529603 0.00534891 0.00504584 0.00528688 0.00572112 0.0055868 0.00502878 0.0045279 0.00473557 0.00469876 0.00649875 0.0061373 0.00651373 0.00650323 0.00631139 0.00526885 0.0050417 0.00613967 0.00609597 0.00563035 0.00669876 0.00609599 0.0056375 0.00575402 0.00551086 0.00614896 0.00550906 0.00607528 0.00550366 0.0053062 0.00573631 0.00560059 0.00562087 0.00611051 0.0061497 0.00620284 0.0062234 0.00523986 0.0053962 0.00571353 0.00550059 0.00582155 0.00562055 0.0056412 0.00571299 0.00589915 0.00545162 0.00542424 0.00577290F 0.00577352 0.00603484 0.00578411 0.00589915 0.00545162		0.00508352	0.00497851	0.00541742	0.00500419	0.00519918	0.00525311	0.00496897
0.00516855 0.0052978 0.0045279 0.00534875 0.00540852 0.005085875 0.00509576 0.006134 0.00573228 0.0061313 0.005297245 0.005685035 0.00648976 0.0066957 0.00612793 0.006323 0.00631329 0.00526885 0.0056476 0.0066957 0.006527328 0.005627328 0.00527209 0.00957038 0.00668976 0.00568674 0.00583454 0.005529273 0.00573021 0.00551086 0.00561896 0.00612497 0.00620244 0.0062824 0.0062293 0.00553061 0.00550961 0.00550961 0.00560651 0.00550965 0.005606511 0.005509591 0.00550965 0.00560651 0.005609591 0.00550951 0.00560651 0.005609591 0.00560651	40	0.00454877	0.00506335	0.00453146	0.00481041	0.00553176	0.005469	0.00555895
0.00461811 0.00597245 0.00565035 0.00469876 0.00469557 0.00612793 0.0060323 0.00631139 0.00526885 0.0056174 0.0066976 0.0066675 0.00567675 0.00557035 0.00557209 0.00957038 0.00668976 0.00580464 0.00583454 0.005529273 0.00573601 0.00550061 0.00562087 0.00611051 0.00612497 0.0062024 0.00622198 0.00559947 0.00550059 0.00562059 0.00562055 0.00566112 0.005717299 0.0055095917 0.0058995915 0.00549245 0.00549245 0.00572066 0.00500649 0.00580649 0.00589363 0.0058947	10	0.00516855	0.00529603	0.00534891	0.00504584	0.00528688	0.00572112	0.0055868
0.00631139 0.00526885 0.0050417 0.00813967 0.0060959 0.0056375 0.00557402 0.00587209 0.00957038 0.00688976 0.00586744 0.00583454 0.00552273 0.00573601 0.00580661 0.00562087 0.00611051 0.00612497 0.00602824 0.00623198 0.00558947 0.00580059 0.00582415 0.00562055 0.00565412 0.00571289 0.0059915 0.00543128 0.00549245 0.00572061 0.0057352 0.0057353 0.0057238 0.0058917 0.00584112 0.00543128		0.00502878	0.0045279	0.00473557	0.00480252	0.00509576	0.006134	0.00573328
0.00587209 0.00957038 0.00868976 0.00586744 0.00583454 0.00559273 0.00573601 0.00551086 0.00614896 0.00550960 0.00607528 0.00550366 0.00530622 0.00571353 0.00580061 0.00562087 0.00611051 0.00612497 0.00602244 0.00623198 0.00558947 0.00580059 0.00562415 0.00562055 0.00566412 0.00571289 0.00599915 0.00549124 0.00549245 0.00574296 0.00573524 0.006038494 0.00587363 0.0058911 0.00549124		0.00461811	0.00597245	0.00565035	0.00469876	0.00469557	0.00612793	0.0060323
5 0.00551086 0.00614896 0.00550906 0.00607528 0.00550366 0.00530622 0.00571353 0.00580861 0.00562087 0.00611051 0.00612081 0.00622197 0.006202814 0.00559915 0.00559152 0.00550059 0.00562047 0.005606814 0.00571299 0.00569915 0.0054912 0.00540245 0.00559249 0.00589361 0.00589361 0.00589411 0.00589411		0.00631139	0.00526885	0.0050417	0.00813967	0.00606959	0.00563675	0.00557402
0.00551086 0.00614896 0.00550906 0.00607528 0.00550366 0.00530622 0.00530622 0.00580661 0.00562087 0.00611051 0.0061497 0.00602244 0.00623188 0.00558947 0.00580059 0.00552415 0.00562055 0.00566412 0.00571289 0.00599915 0.00543162 q.00549245 q.00579206 q.00579522 q.00603649 q.00587363 q.00384111 q.00524558	5	0.00587209	0.00957038	0.00868976	0.00586744	0.00583454	0.00559273	0.00573601
0.00580059 0.00582415 0.00562055 0.00565412 0.00571289 0.00595915 0.0054162 q.00549245 q.00579206 q.0057352 q.006349 q.00587363 q.0054117 q.00524558		0.00551086	0.00614896	0.00550906	0.00607528	0.00550366	0.00530622	0.00571353
Q.00549245 Q.00579206 Q.0057352 Q.00603649 Q.00587363 Q.00584111 Q.00524558		0.00580661	0.00562087	0.00611051	0.00612497	0.00602824	0.00623198	0.00558947
		0.00580059	0.00582415	0.00562055	0.00565412	0.00571289	0.00595915	0.00545162
1 2 3 4 5 6 7	ı	0.00549245	0.00579206	9.0957352	0.00603649	0.00587363	J 0.00584111	0,00524558
	i	1 2) :	3	4	5	6	7

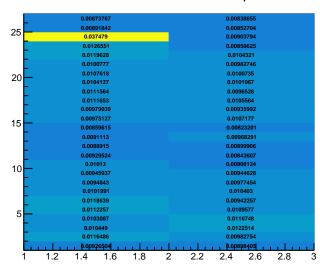
New ADC Gain Coefficients | SH



Old ADC Gain Coefficients | PS



New ADC Gain Coefficients | PS



Configfile: BBCal_replay/macros/Combined_macros/cfg/sbs9-sbs70p.cfg

Date of creation: 2/20/2023

Total no. of events analyzed: 7493655

E/p (before calib.) |
$$\mu$$
 = 0.99, σ = (7.410 \pm 0.000) p

E/p (after calib.) |
$$\mu$$
 = 0.99, σ = (6.986 \pm 0.000) p

Global cuts: bb.tr.n==1&&abs(bb.tr.vz[0])<0.08&&bb.gem.track.nhits>3&&bb.ps.e>0.2