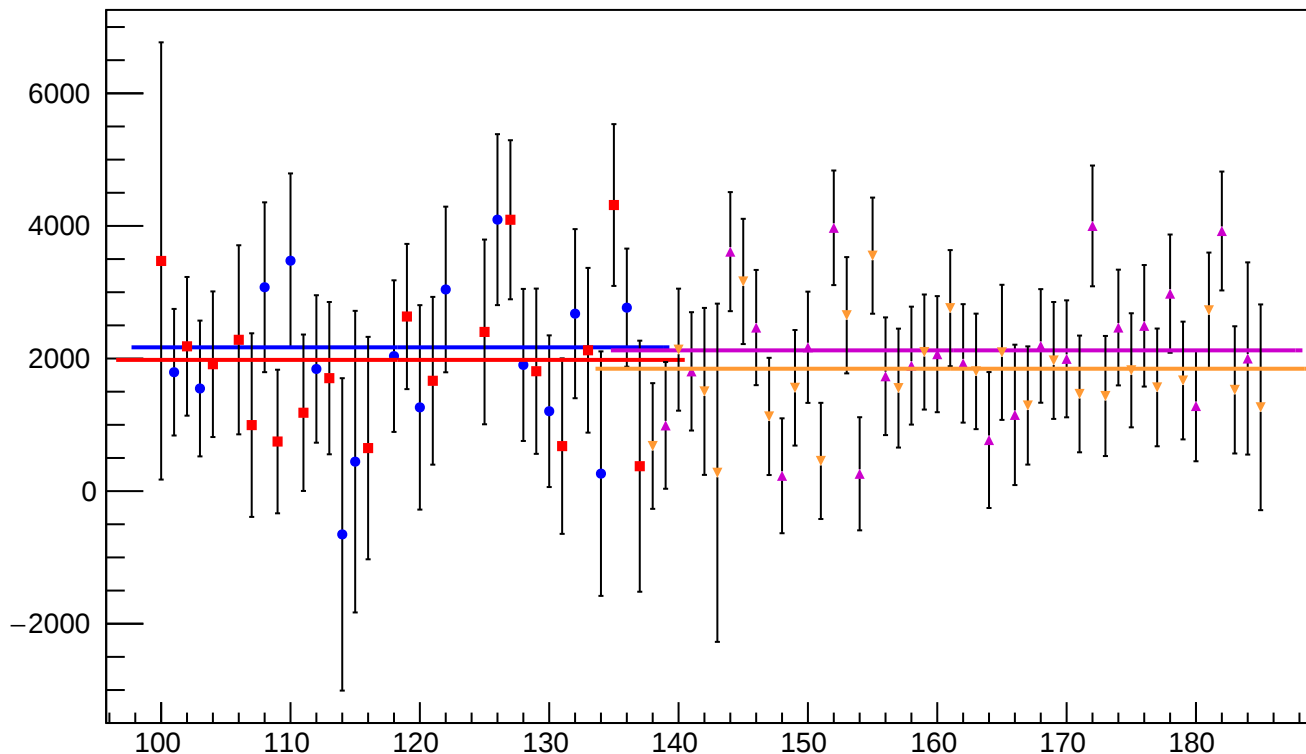


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2168.910+/-308.001

Left Out: 1846.049+/-186.926

Right Out: 1979.368+/-301.309

Left In: 2123.138+/-188.684

χ^2/NDF : 9.6/15

χ^2/NDF :15.5/24

χ^2/NDF : 12.2/17

χ^2/NDF :32.0/22

Left: 1983.297+/-132.794

Right: 2072.057+/-215.384

In: 2135.628+/-160.893

Out: 1883.100+/-158.842

All: 2007.744+/-113.037

χ^2/NDF : 48.6/47

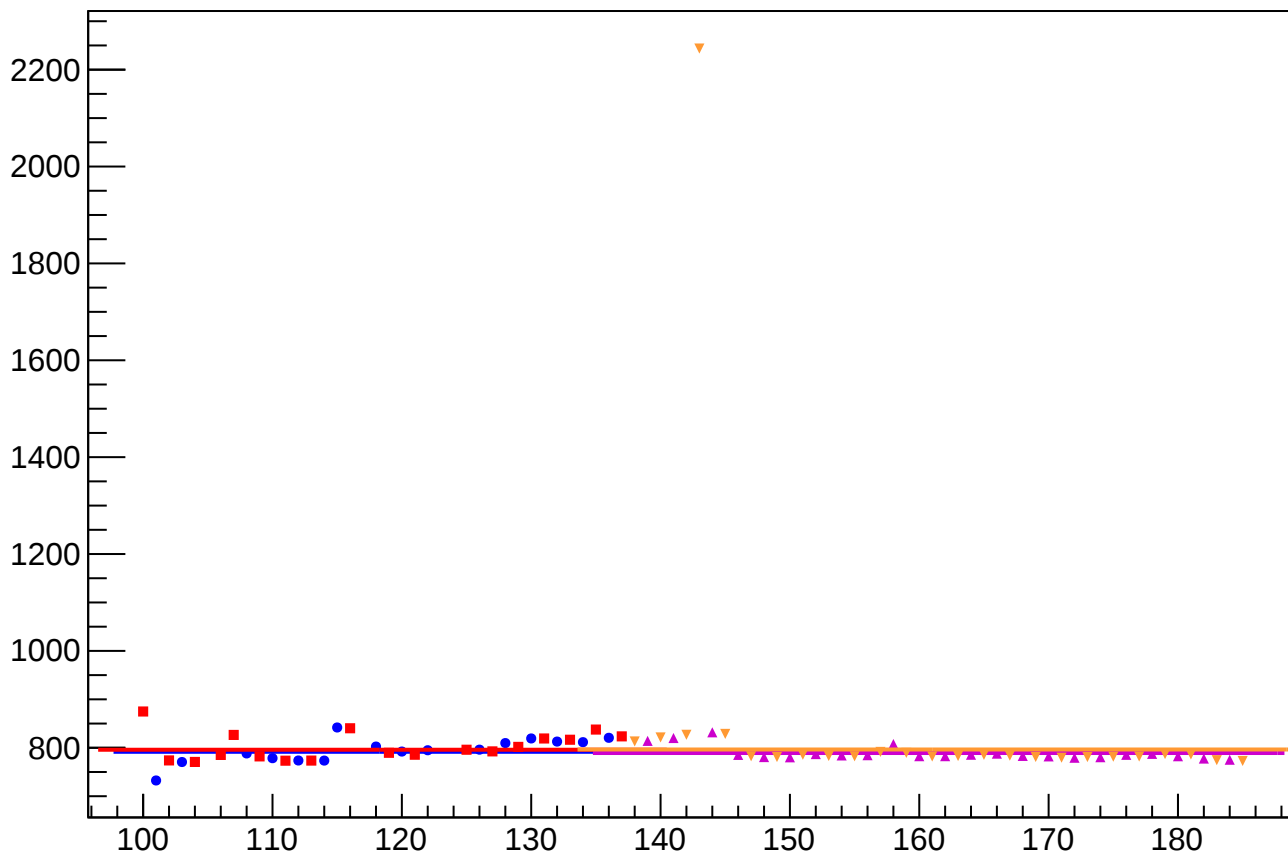
χ^2/NDF : 22.0/33

χ^2/NDF :41.6/38

χ^2/NDF :27.9/42

χ^2/NDF : 70.7/81

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 791.722 $\pm$ 0.218 χ^2 /NDF: 15122.0/15

Left Out: 796.444 $\pm$ 0.132 χ^2 /NDF: 658708.4/24

Right Out: 795.921 $\pm$ 0.213 χ^2 /NDF: 11575.2/17

Left In: 789.185 $\pm$ 0.133 χ^2 /NDF: 11343.2/22

Left: 792.848 $\pm$ 0.094 χ^2 /NDF: 671545.7/47

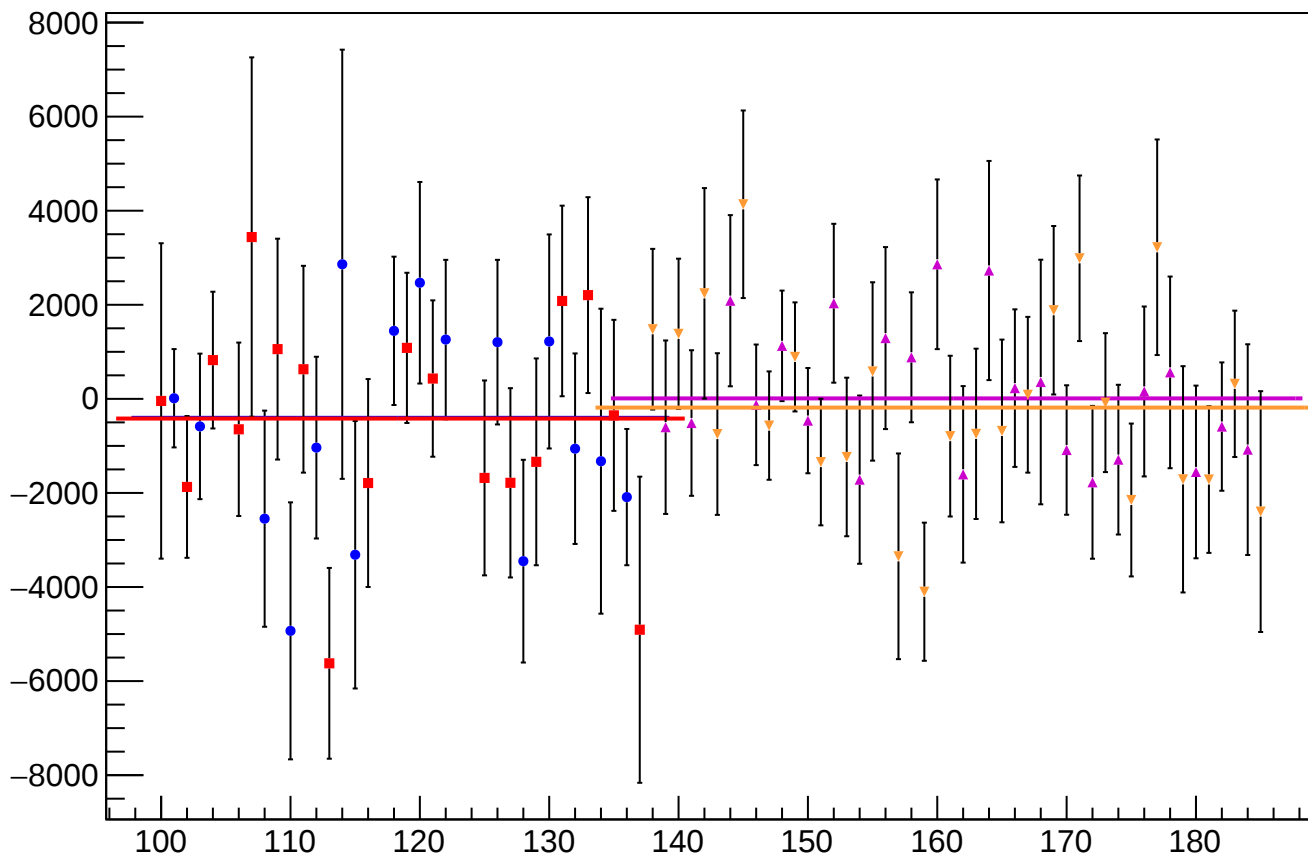
Right: 793.868 $\pm$ 0.152 χ^2 /NDF: 26887.1/33

In: 789.877 $\pm$ 0.114 χ^2 /NDF: 26563.9/38

Out: 796.299 $\pm$ 0.112 χ^2 /NDF: 670287.9/42

All: 793.129 $\pm$ 0.080 χ^2 /NDF: 698465.3/81

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: -403.277+/-465.456 χ^2/NDF : 14.5/15

Left Out: -185.577+/-333.944 χ^2/NDF : 30.2/24

Right Out: -418.532+/-473.834 χ^2/NDF : 17.5/17

Left In: 10.093+/-337.810 χ^2/NDF : 14.2/22

Left: -88.868+/-237.489 χ^2/NDF : 44.5/47

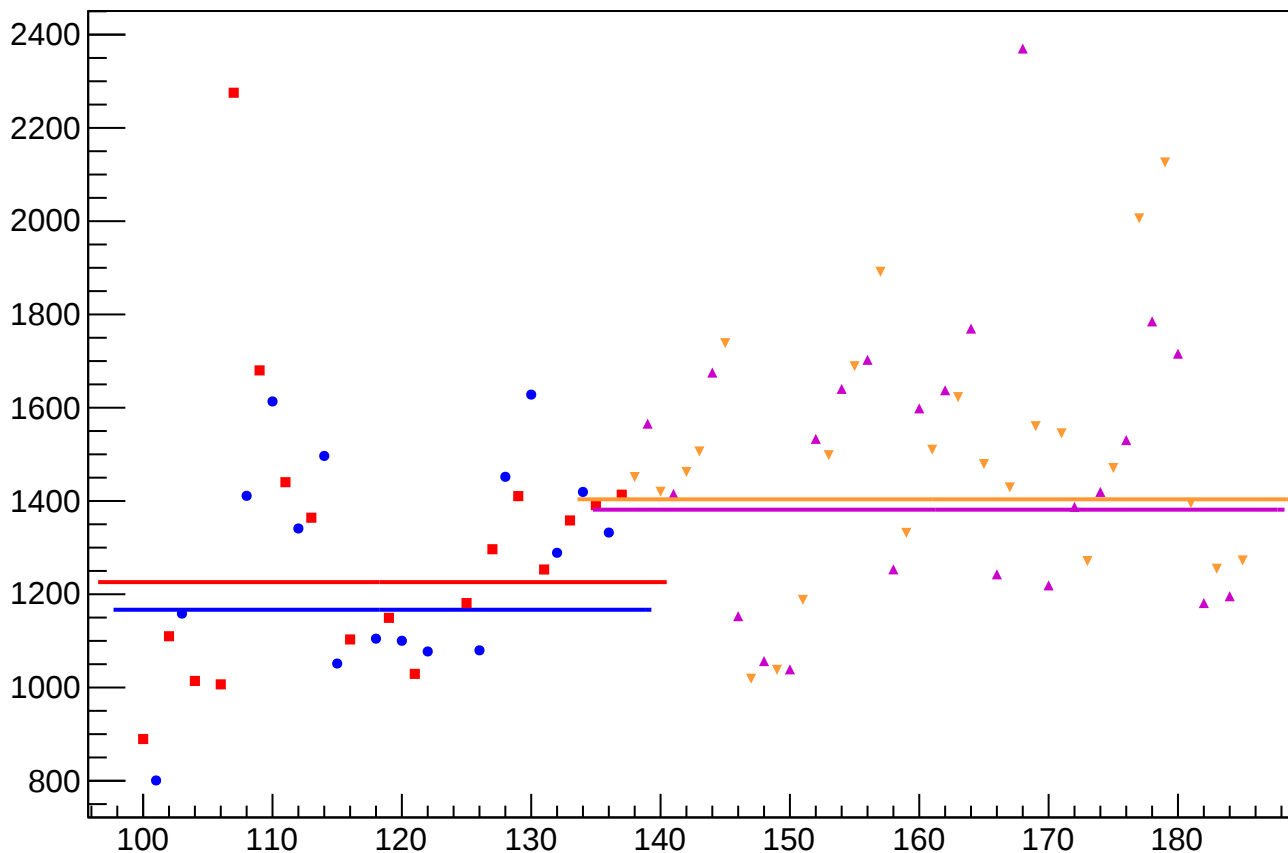
Right: -410.768+/-332.049 χ^2/NDF : 32.0/33

In: -132.522+/-273.395 χ^2/NDF : 29.2/38

Out: -262.887+/-272.965 χ^2/NDF : 47.8/42

All: -197.807+/-193.167 χ^2/NDF : 77.1/81

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1166.780 $\pm$ 0.329 χ^2 /NDF: 529794.9/15

Left Out: 1403.596 $\pm$ 0.236 χ^2 /NDF: 1126694.6/24

Right Out: 1225.994 $\pm$ 0.335 χ^2 /NDF: 441386.8/17

Left In: 1381.359 $\pm$ 0.239 χ^2 /NDF: 1276488.2/22

Left: 1392.605 $\pm$ 0.168 χ^2 /NDF: 2407565.9/47

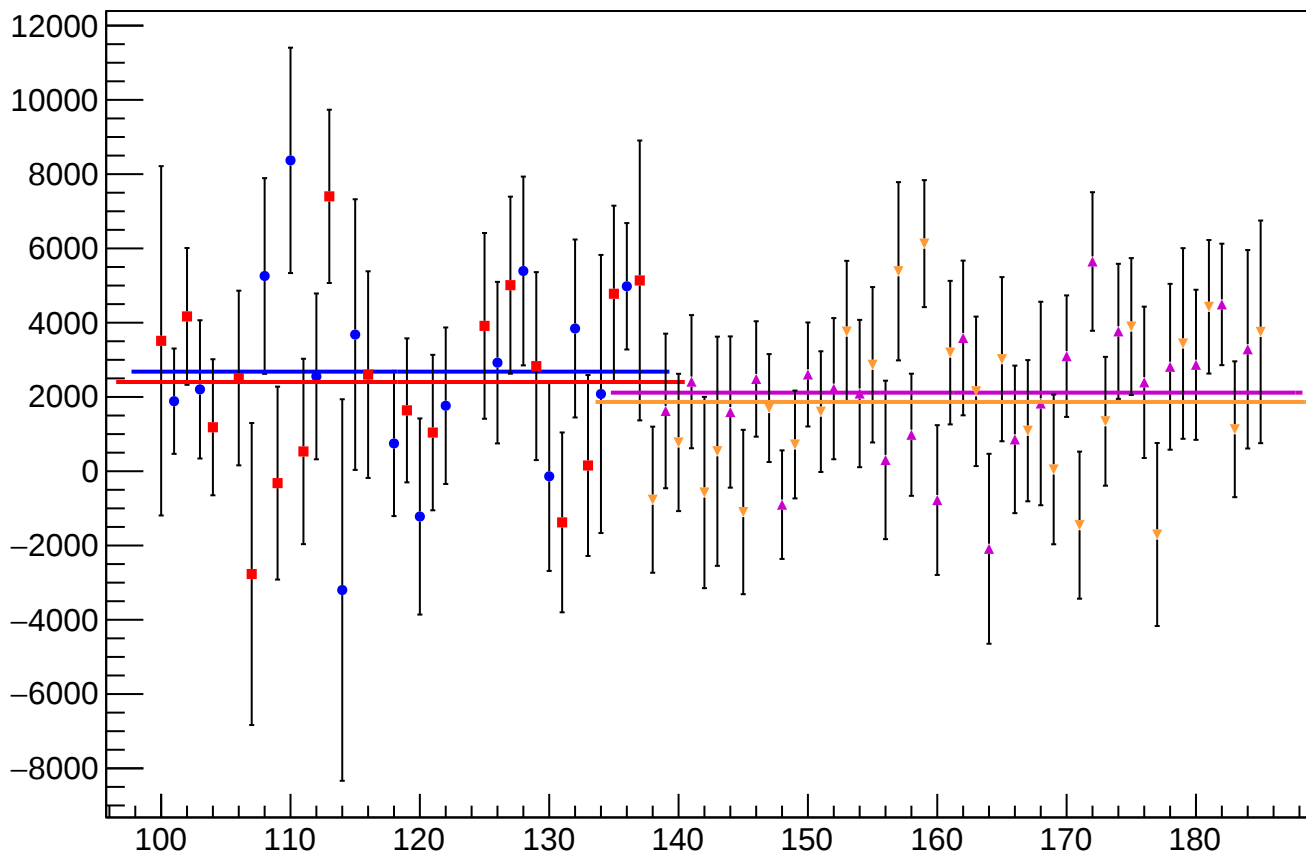
Right: 1195.859 $\pm$ 0.235 χ^2 /NDF: 987077.4/33

In: 1307.328 $\pm$ 0.193 χ^2 /NDF: 2084693.1/38

Out: 1344.656 $\pm$ 0.193 χ^2 /NDF: 1755812.1/42

All: 1326.021 $\pm$ 0.137 χ^2 /NDF: 3859176.8/83

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2681.840 $\pm$ 568.598 χ^2 /NDF: 14.0/15

Left Out: 1866.021 $\pm$ 391.734 χ^2 /NDF:26.2/24

Right Out: 2402.934 $\pm$ 570.326 χ^2 /NDF: 16.3/17

Left In: 2116.114 $\pm$ 392.997 χ^2 /NDF:18.8/22

Left: 1990.665 $\pm$ 277.443 χ^2 /NDF: 45.2/47

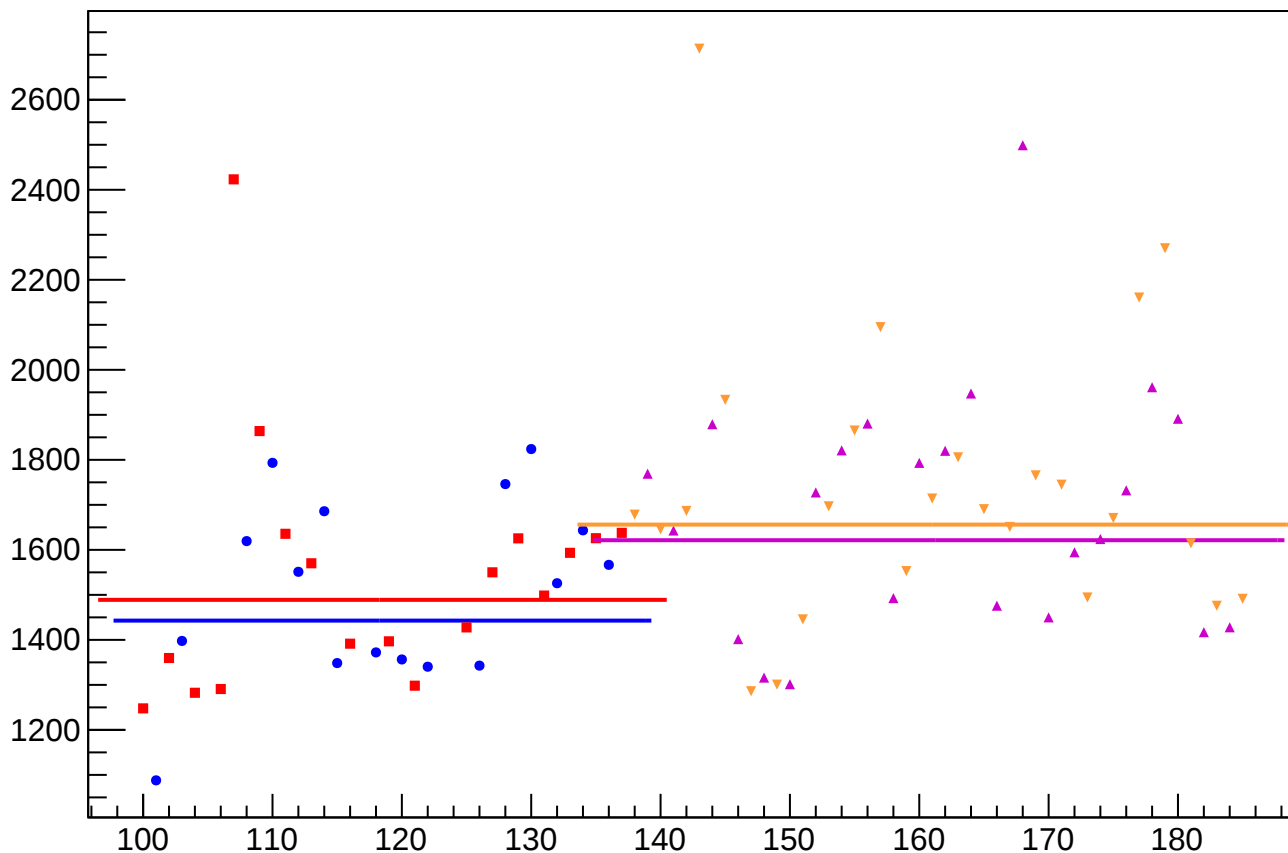
Right: 2542.810 $\pm$ 402.669 χ^2 /NDF: 30.4/33

In: 2299.001 $\pm$ 323.291 χ^2 /NDF:33.5/38

Out: 2038.128 $\pm$ 322.902 χ^2 /NDF:43.1/42

All: 2168.407 $\pm$ 228.464 χ^2 /NDF: 76.9/81

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1442.805 $\pm$ 0.402 χ^2 /NDF: 278289.5/15

Left Out: 1656.119 $\pm$ 0.277 χ^2 /NDF: 910685.4/24

Right Out: 1488.914 $\pm$ 0.403 χ^2 /NDF: 256704.3/17

Left In: 1621.417 $\pm$ 0.278 χ^2 /NDF: 775310.1/22

Left: 1638.824 $\pm$ 0.196 χ^2 /NDF: 1693817.5/47

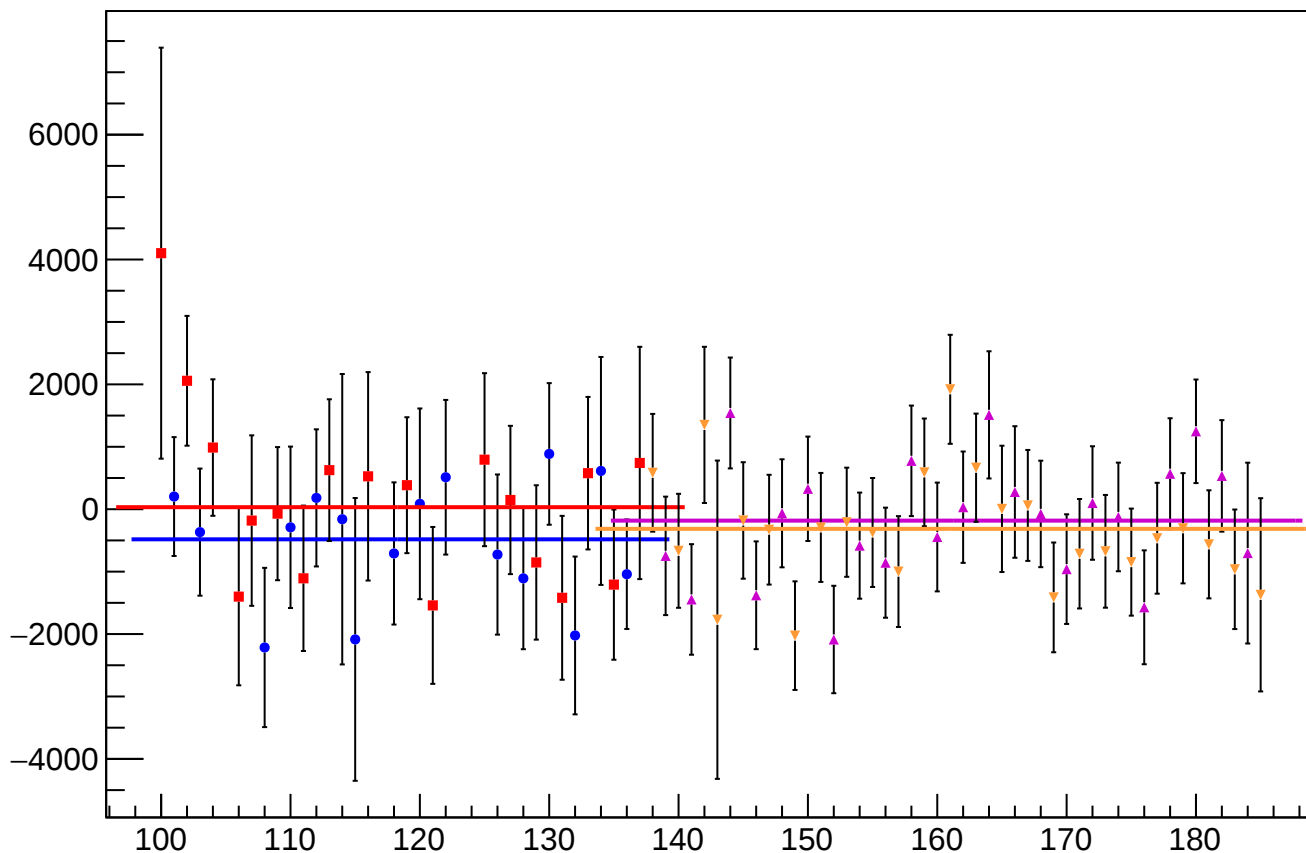
Right: 1465.790 $\pm$ 0.285 χ^2 /NDF: 541549.6/33

In: 1563.676 $\pm$ 0.229 χ^2 /NDF: 1187150.9/38

Out: 1602.521 $\pm$ 0.228 χ^2 /NDF: 1284189.0/42

All: 1583.122 $\pm$ 0.162 χ^2 /NDF: 2485794.9/81

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -482.437+/-305.341 χ^2/NDF : 8.2/15

Left Out: -314.457+/-186.065 χ^2/NDF : 20.2/24

Right Out: 32.457+/-298.450 χ^2/NDF : 13.6/17

Left In: -182.895+/-187.817 χ^2/NDF : 26.1/22

Left: -249.293+/-132.183 χ^2/NDF : 46.6/47

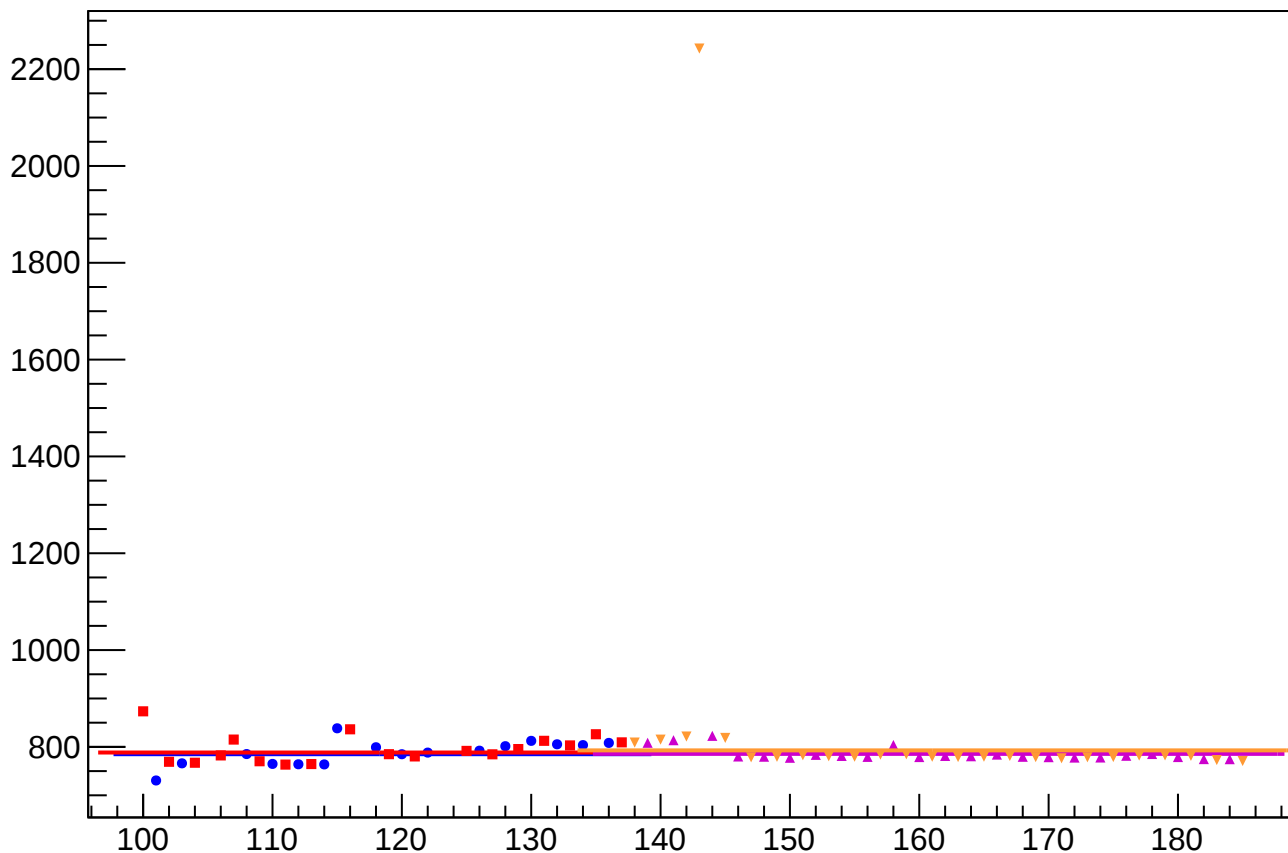
Right: -219.114+/-213.431 χ^2/NDF : 23.2/33

In: -265.119+/-159.976 χ^2/NDF : 35.0/38

Out: -217.359+/-157.894 χ^2/NDF : 34.8/42

All: -240.926+/-112.377 χ^2/NDF : 69.8/81

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 784.921+/-0.216 χ^2/NDF : 13814.6/15

Left Out: 792.795+/-0.132 χ^2/NDF : 659508.1/24

Right Out: 788.394+/-0.211 χ^2/NDF : 10968.1/17

Left In: 785.592+/-0.133 χ^2/NDF : 9373.7/22

Left: 789.227+/-0.093 χ^2/NDF : 670366.4/47

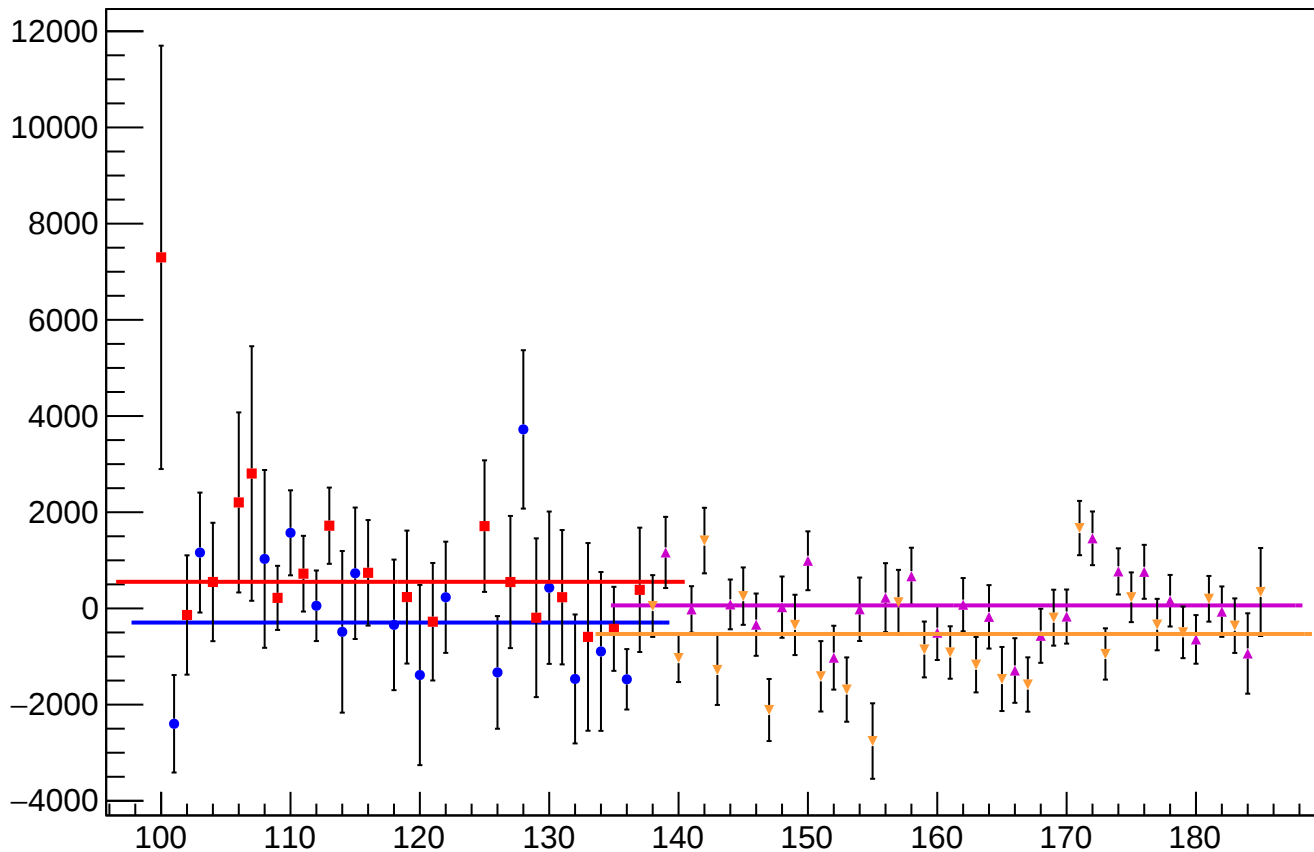
Right: 786.697+/-0.151 χ^2/NDF : 24915.0/33

In: 785.408+/-0.113 χ^2/NDF : 23195.3/38

Out: 791.563+/-0.112 χ^2/NDF : 670789.4/42

All: 788.526+/-0.079 χ^2/NDF : 695484.6/81

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -293.772 $\pm$ 283.190 χ^2 /NDF: 23.4/15

Left Out: -531.152 $\pm$ 119.557 χ^2 /NDF:61.6/24

Right Out: 553.206 $\pm$ 273.321 χ^2 /NDF: 9.8/17

Left In: 62.768 $\pm$ 122.045 χ^2 /NDF:28.8/22

Left: -240.309 $\pm$ 85.406 χ^2 /NDF: 102.5/47

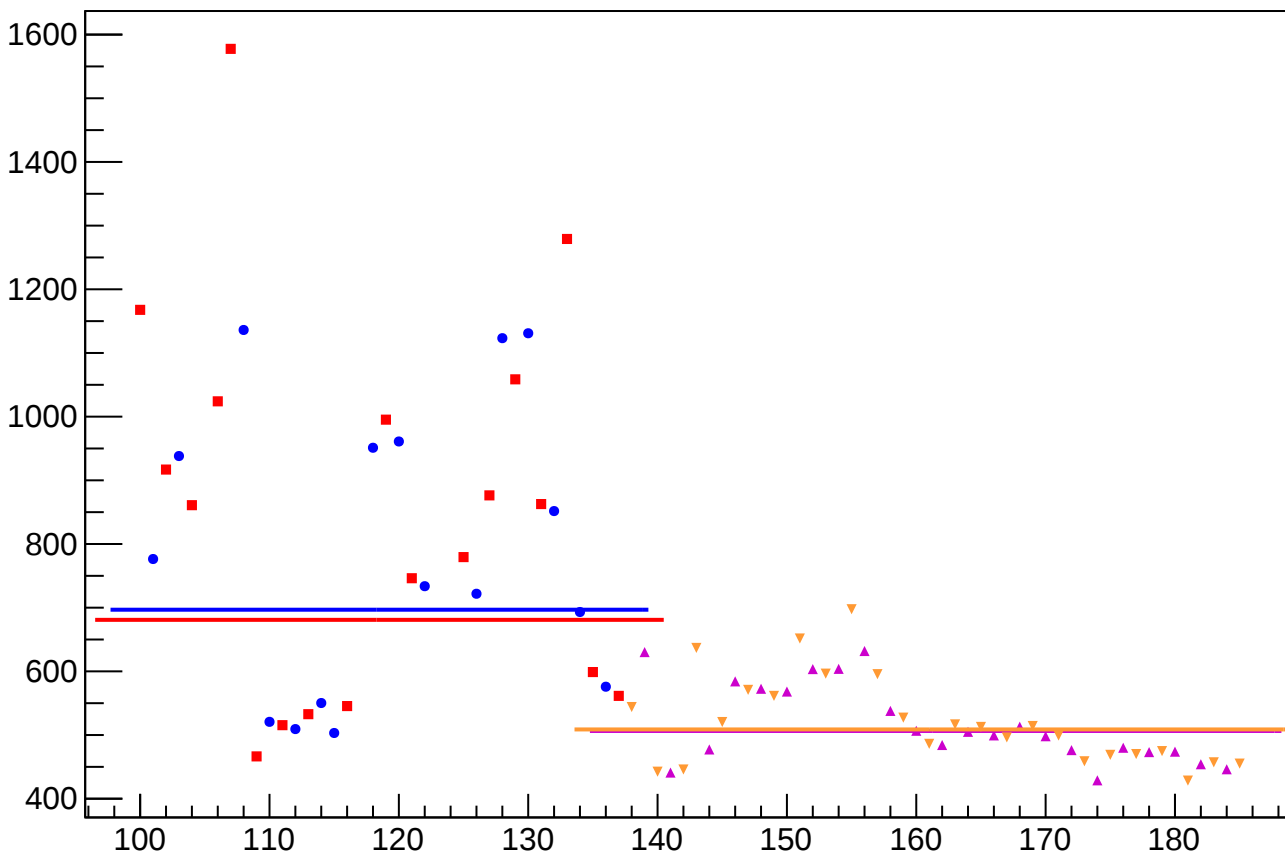
Right: 144.732 $\pm$ 196.664 χ^2 /NDF: 37.7/33

In: 6.919 $\pm$ 112.080 χ^2 /NDF:53.5/38

Out: -356.995 $\pm$ 109.536 χ^2 /NDF:84.6/42

All: -179.215 $\pm$ 78.338 χ^2 /NDF: 143.4/81

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 696.803 $\pm$ 0.200 χ^2 /NDF: 963973.0/15

Left Out: 508.768 $\pm$ 0.085 χ^2 /NDF: 549405.7/24

Right Out: 680.884 $\pm$ 0.193 χ^2 /NDF: 1353667.8/17

Left In: 506.380 $\pm$ 0.086 χ^2 /NDF: 436294.4/22

Left: 507.598 $\pm$ 0.060 χ^2 /NDF: 986090.6/47

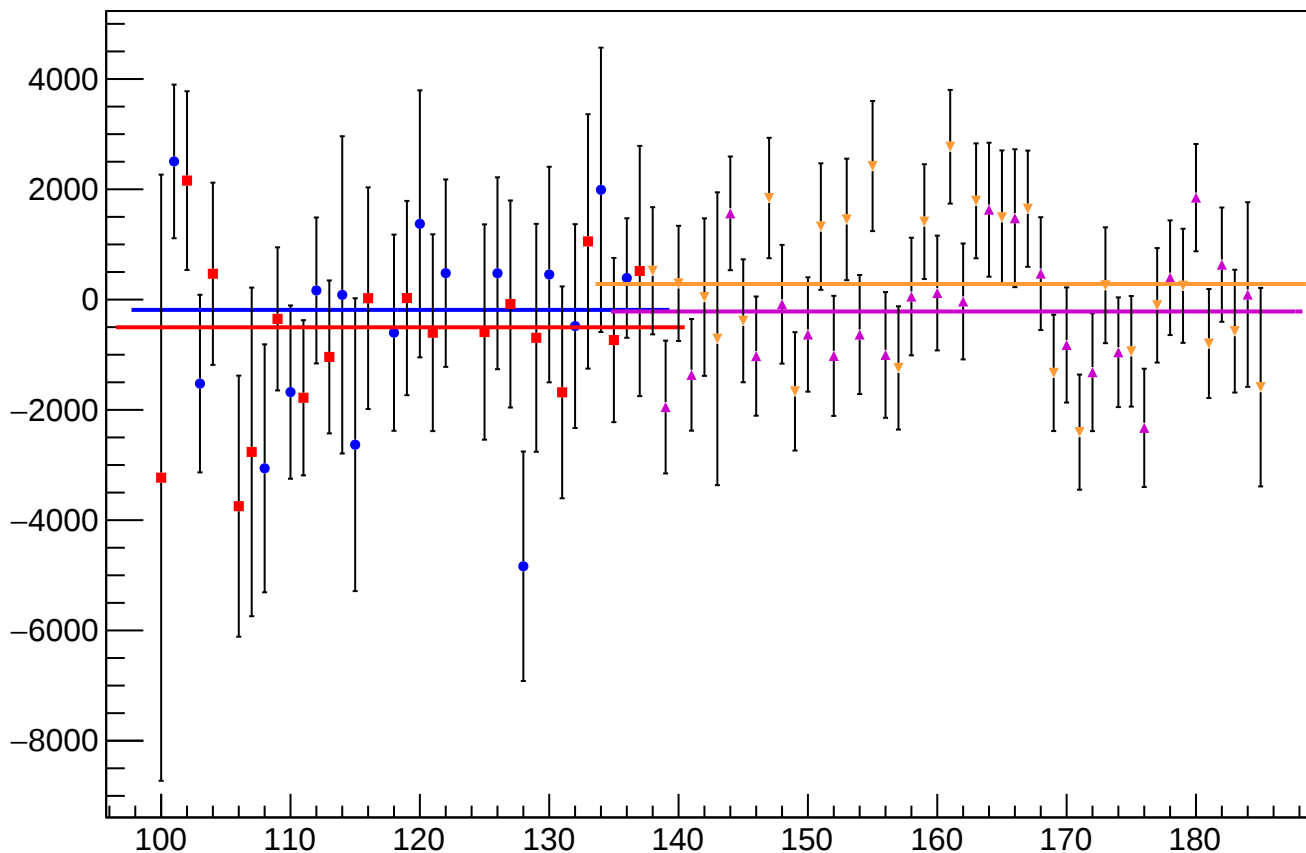
Right: 688.562 $\pm$ 0.139 χ^2 /NDF: 2320912.9/33

In: 536.208 $\pm$ 0.079 χ^2 /NDF: 2162923.0/38

Out: 536.411 $\pm$ 0.077 χ^2 /NDF: 2568797.4/42

All: 536.312 $\pm$ 0.055 χ^2 /NDF: 4731723.8/81

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -186.802+/-434.855 χ^2/NDF : 14.8/15

Left Out: 283.099+/-223.610 χ^2/NDF : 38.2/24

Right Out: -502.321+/-428.043 χ^2/NDF : 8.0/17

Left In: -216.121+/-225.600 χ^2/NDF : 24.4/22

Left: 35.701+/-158.815 χ^2/NDF : 65.1/47

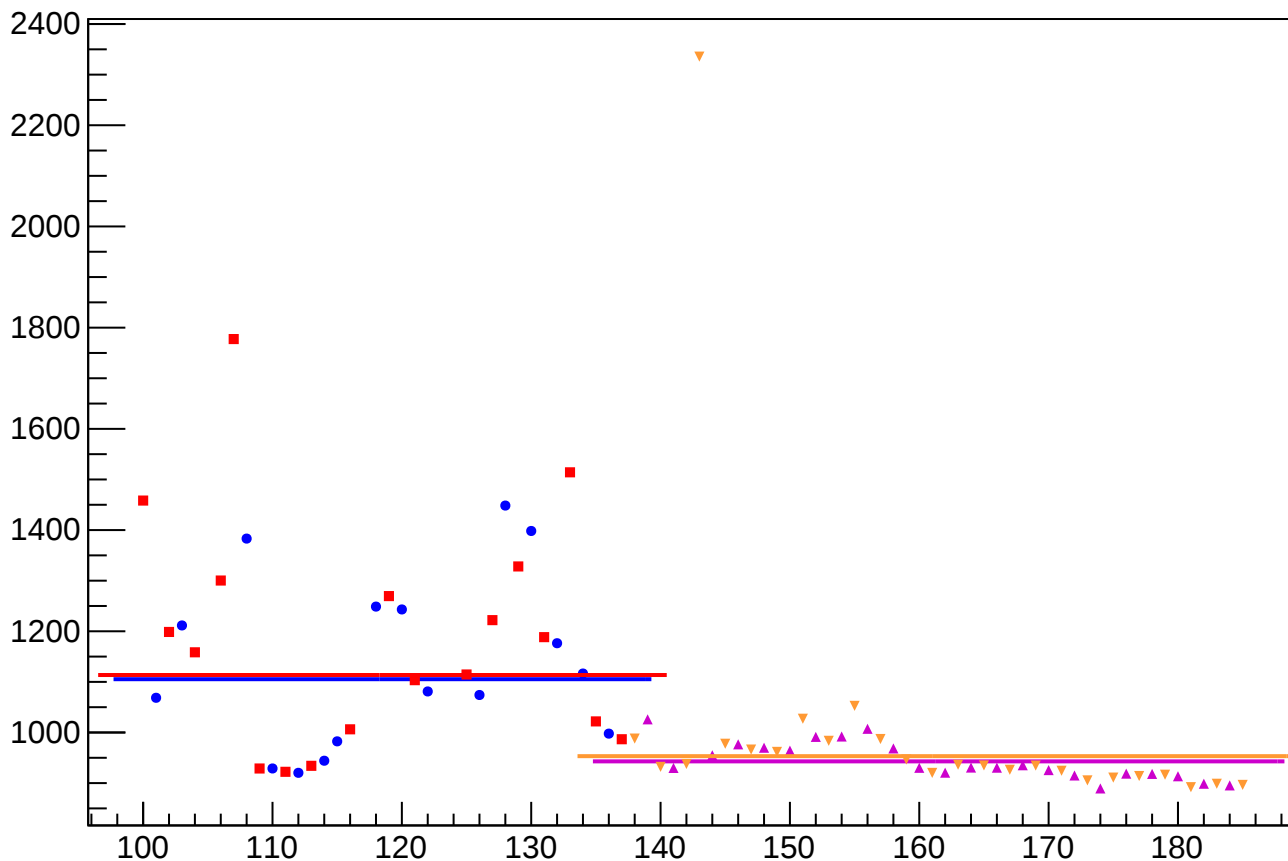
Right: -347.053+/-305.052 χ^2/NDF : 23.1/33

In: -209.903+/-200.255 χ^2/NDF : 39.2/38

Out: 114.709+/-198.195 χ^2/NDF : 48.9/42

All: -45.919+/-140.868 χ^2/NDF : 89.4/81

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1105.313+/-0.307 χ^2/NDF : 258052.8/15

Left Out: 953.224+/-0.158 χ^2/NDF : 606291.4/24

Right Out: 1113.586+/-0.303 χ^2/NDF : 364341.2/17

Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

Left: 948.121+/-0.112 χ^2/NDF : 656796.2/47

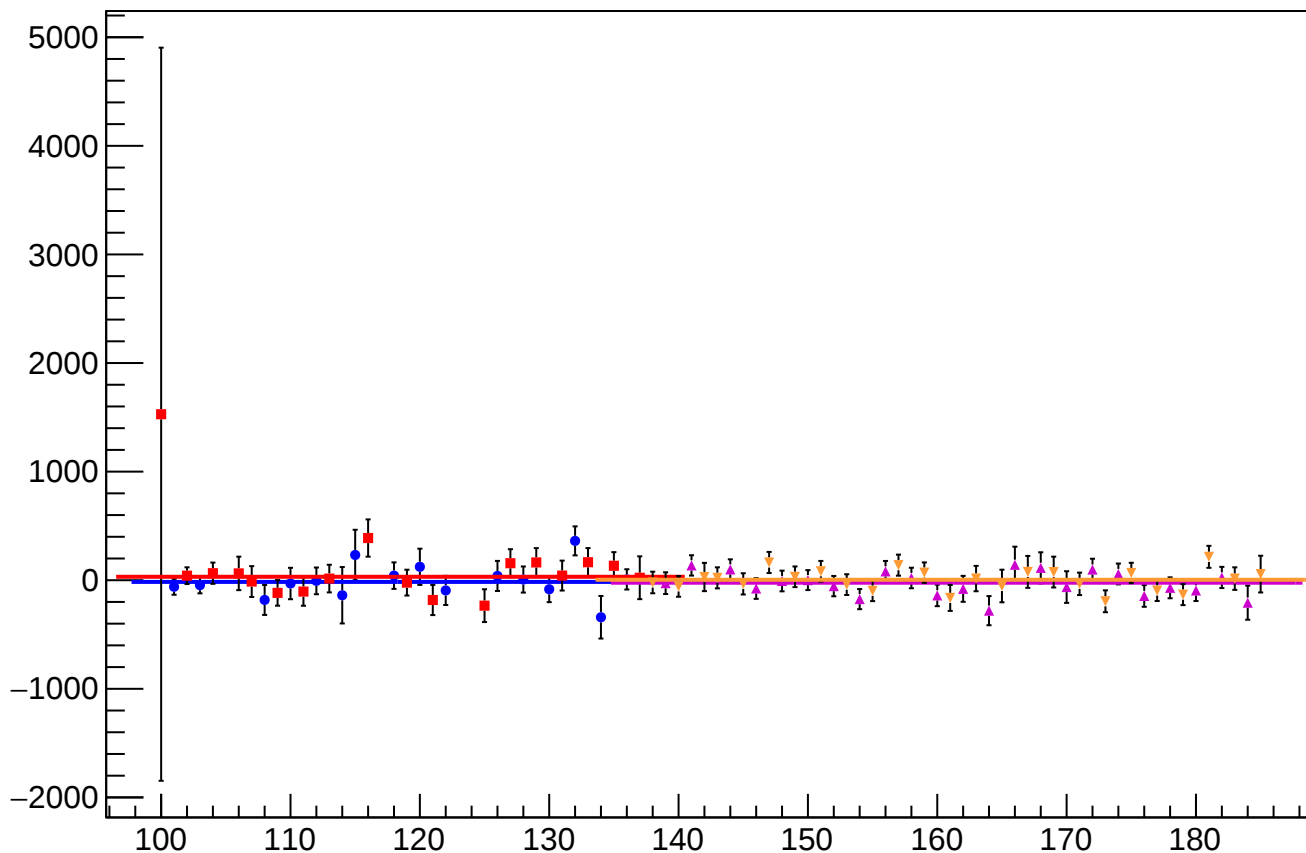
Right: 1109.515+/-0.216 χ^2/NDF : 622761.6/33

In: 977.364+/-0.142 χ^2/NDF : 526205.0/38

Out: 987.605+/-0.140 χ^2/NDF : 1191161.8/42

All: 982.537+/-0.100 χ^2/NDF : 1720009.1/81

reg_asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -15.551+/-30.032 χ^2 /NDF: 15.9/15

Left Out: 4.204+/-20.962 χ^2 /NDF:22.5/24

Right Out: 31.754+/-30.492 χ^2 /NDF: 16.8/17

Left In: -22.931+/-21.584 χ^2 /NDF:22.5/22

Left: -8.967+/-15.038 χ^2 /NDF: 45.8/47

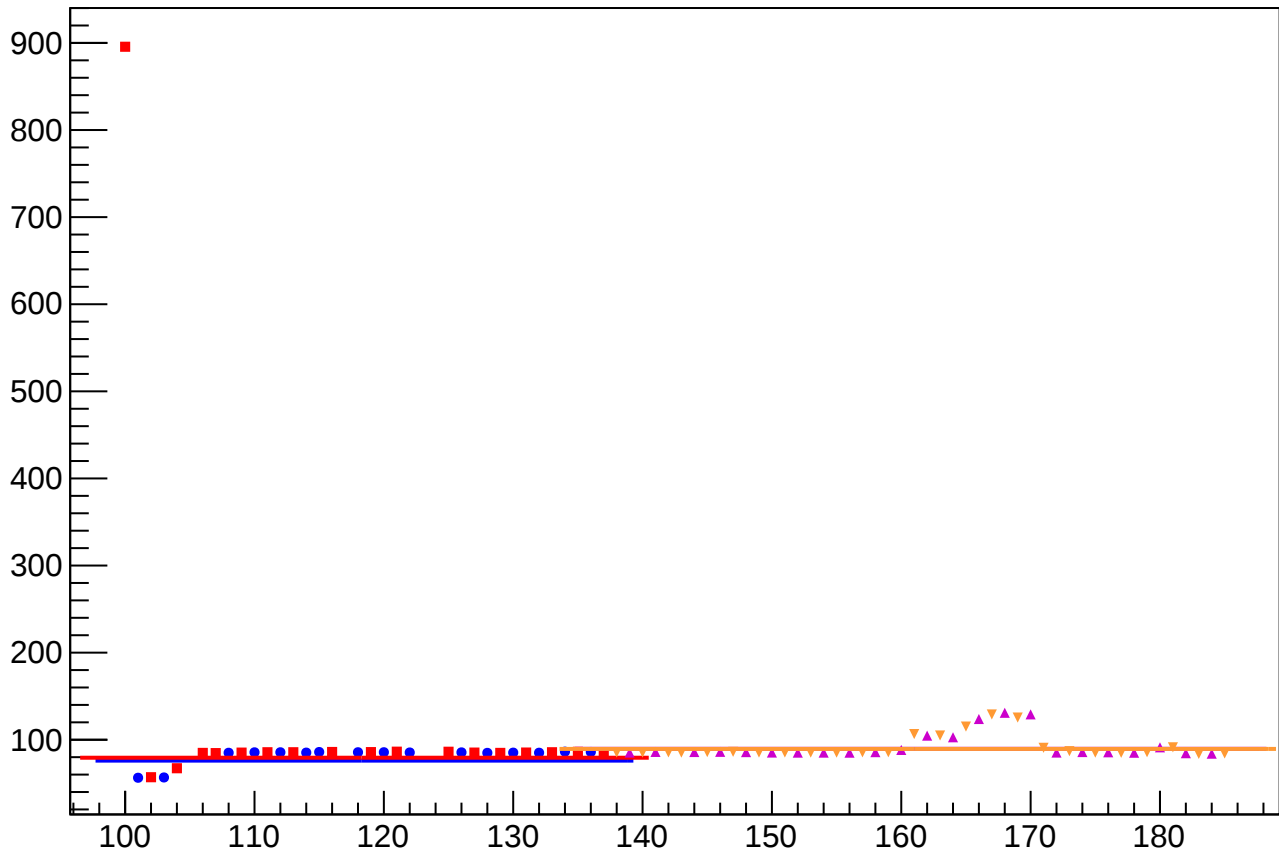
Right: 7.743+/-21.397 χ^2 /NDF: 34.0/33

In: -20.418+/-17.527 χ^2 /NDF:38.5/38

Out: 13.046+/-17.274 χ^2 /NDF:39.8/42

All: -3.442+/-12.303 χ^2 /NDF: 80.2/81

reg_asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.053+/-0.021 χ^2/NDF : 408670.6/15

Left Out: 89.485+/-0.015 χ^2/NDF : 470271.3/24

Right Out: 79.371+/-0.022 χ^2/NDF : 378257.4/17

Left In: 89.596+/-0.015 χ^2/NDF : 508511.1/22

Left: 89.539+/-0.011 χ^2/NDF : 978809.3/47

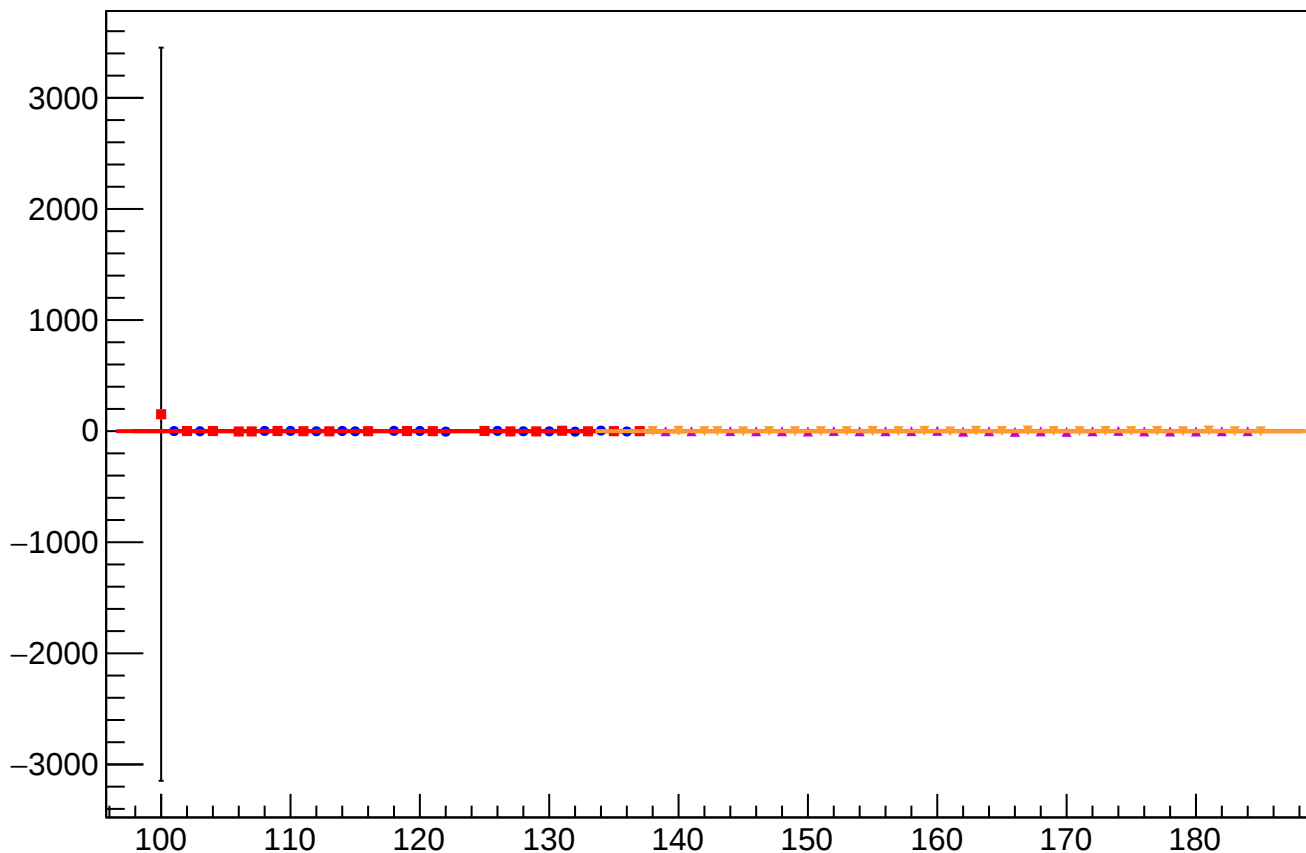
Right: 77.687+/-0.015 χ^2/NDF : 798945.2/33

In: 84.983+/-0.012 χ^2/NDF : 1185332.9/38

Out: 86.239+/-0.012 χ^2/NDF : 997965.1/42

All: 85.620+/-0.009 χ^2/NDF : 2188508.8/81

asym_ds_avg_correction_mean vs Slug, Sign Corrected



Right In: -0.290 ± 0.502 χ^2/NDF : 20.9/15

Left Out: 0.130 ± 0.367 χ^2/NDF : 21.4/24

Right Out: 0.038 ± 0.525 χ^2/NDF : 9.9/17

Left In: -0.519 ± 0.387 χ^2/NDF : 26.3/22

Left: -0.177 ± 0.266 χ^2/NDF : 49.2/47

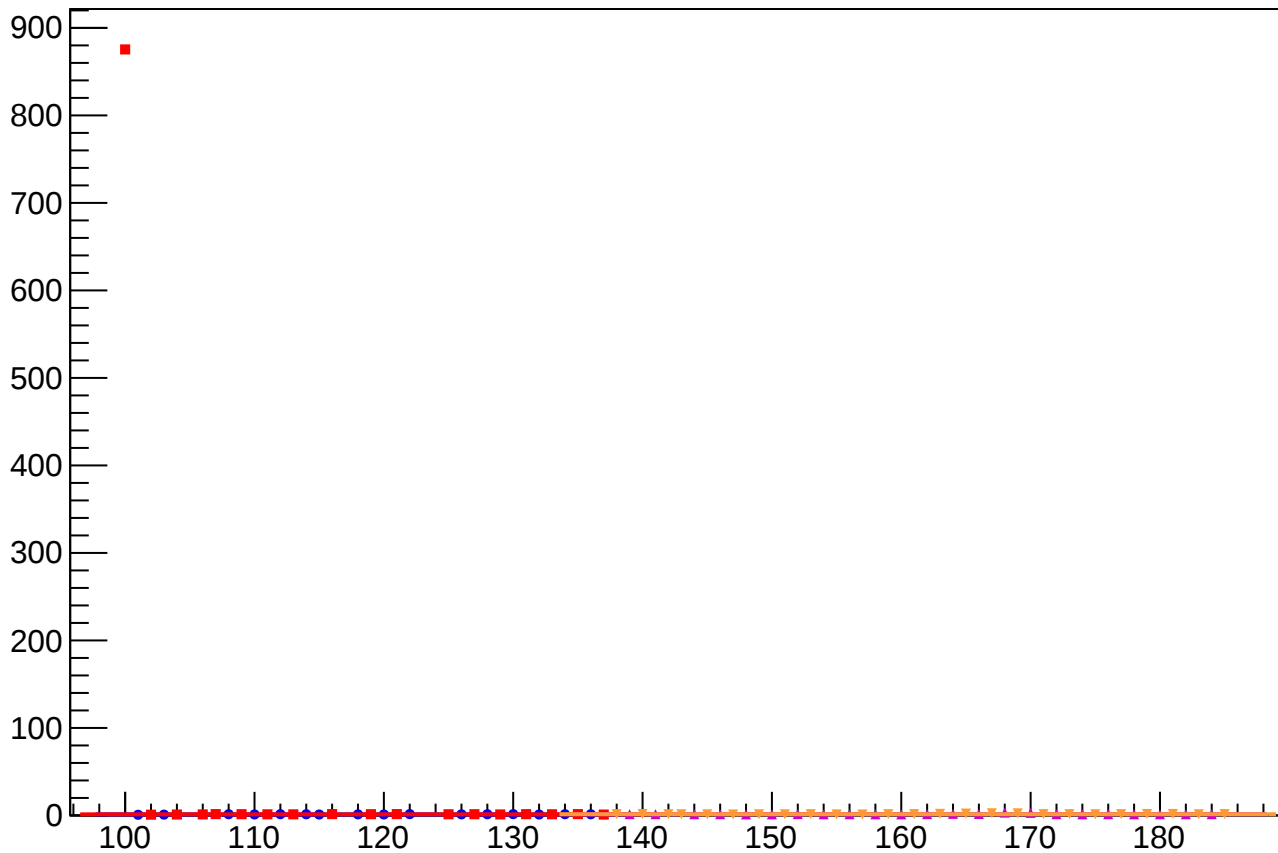
Right: -0.133 ± 0.363 χ^2/NDF : 31.0/33

In: -0.433 ± 0.306 χ^2/NDF : 47.4/38

Out: 0.100 ± 0.301 χ^2/NDF : 31.4/42

All: -0.162 ± 0.215 χ^2/NDF : 80.3/81

asym_ds_avg_correction_rms vs Slug, Sign Corrected



Right In: 1.152+/-0.000 χ^2/NDF : 506239.7/15

Left Out: 1.404+/-0.000 χ^2/NDF : 992794.9/24

Right Out: 1.259+/-0.000 χ^2/NDF : 489381.1/17

Left In: 1.453+/-0.000 χ^2/NDF : 995852.2/22

Left: 1.427+/-0.000 χ^2/NDF : 2005622.4/47

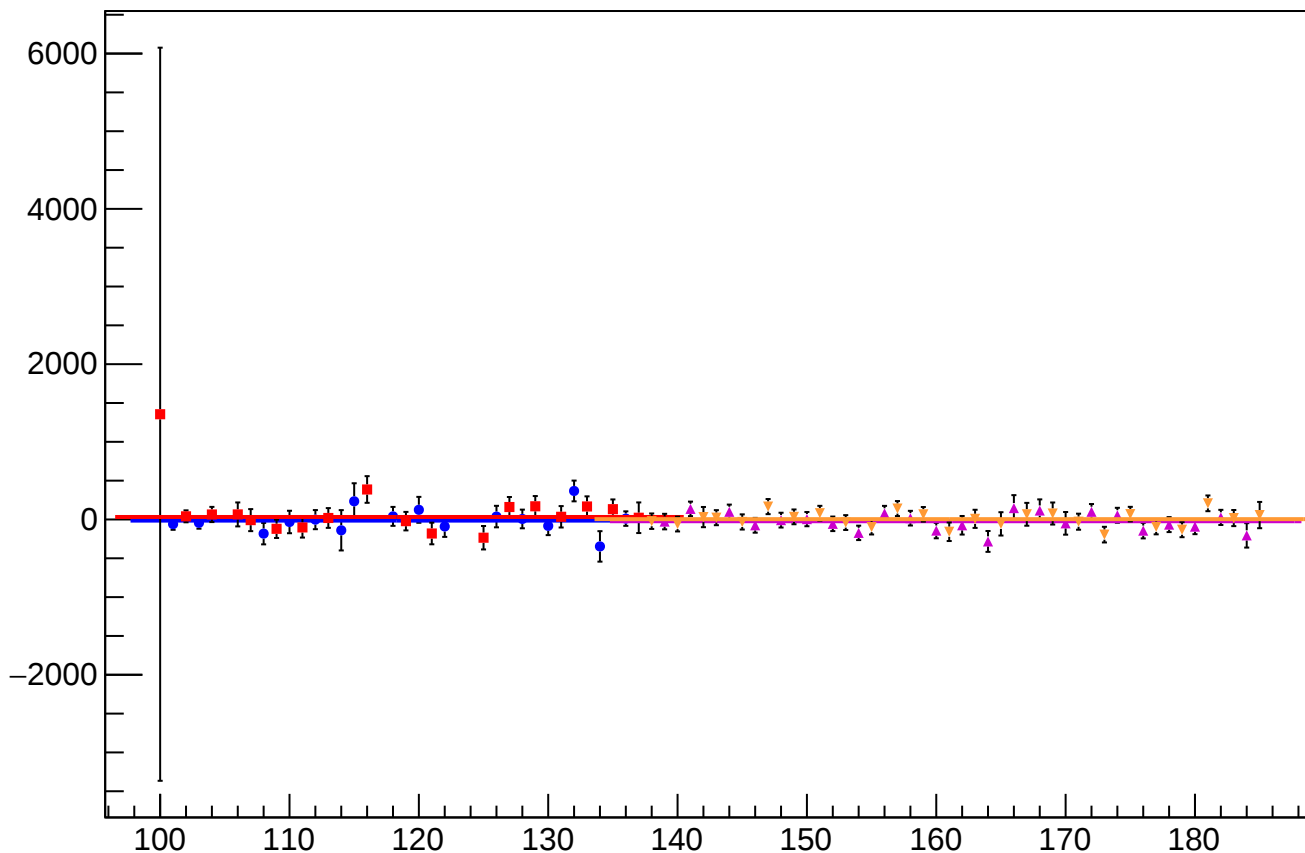
Right: 1.203+/-0.000 χ^2/NDF : 1038995.7/33

In: 1.341+/-0.000 χ^2/NDF : 1953849.4/38

Out: 1.356+/-0.000 χ^2/NDF : 1584618.9/42

All: 1.349+/-0.000 χ^2/NDF : 3541086.2/81

asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -14.487 ± 30.040 χ^2/NDF : 16.2/15

Left Out: 4.080 ± 20.969 χ^2/NDF : 22.1/24

Right Out: 32.033 ± 30.500 χ^2/NDF : 16.8/17

Left In: -22.446 ± 21.591 χ^2/NDF : 22.3/22

Left: -8.795 ± 15.042 χ^2/NDF : 45.2/47

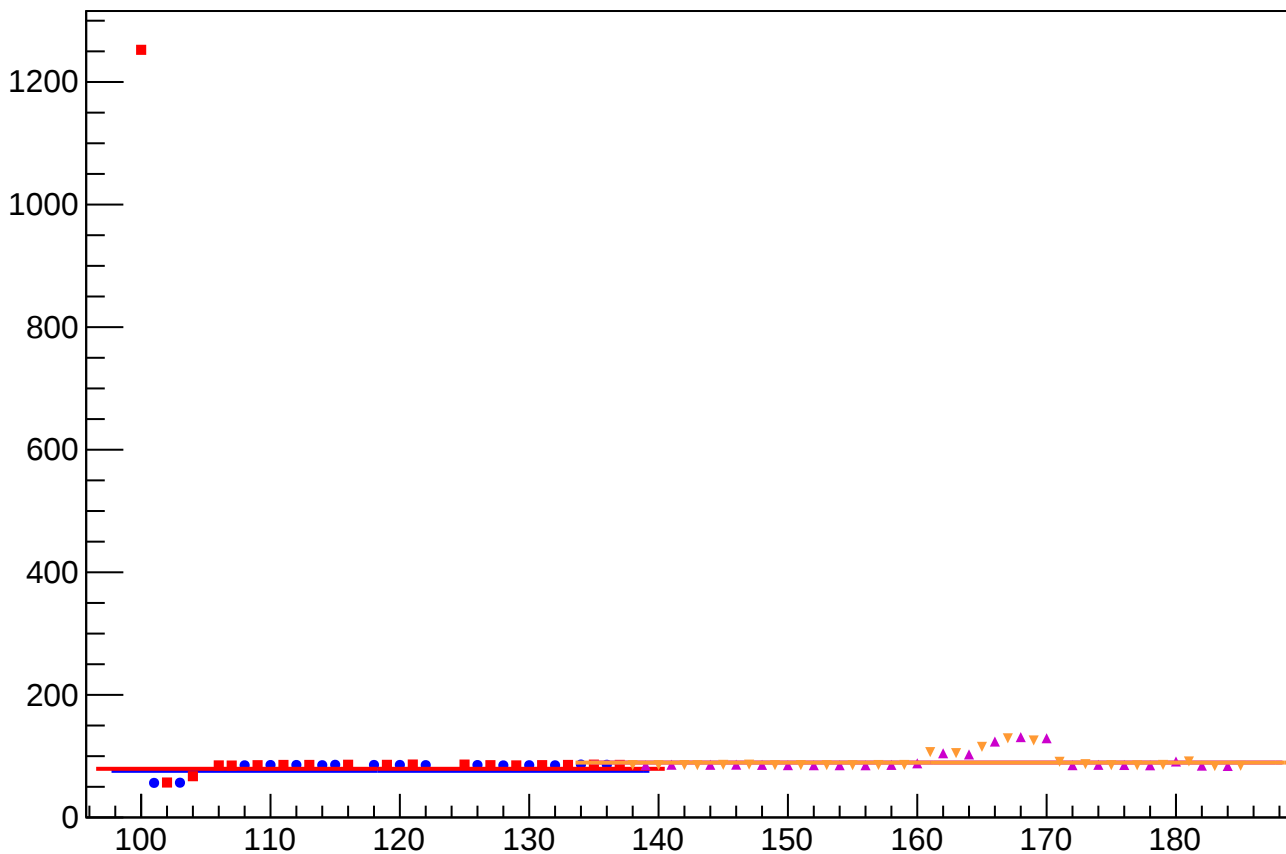
Right: 8.419 ± 21.402 χ^2/NDF : 34.2/33

In: -19.735 ± 17.532 χ^2/NDF : 38.6/38

Out: 13.052 ± 17.279 χ^2/NDF : 39.5/42

All: -3.103 ± 12.307 χ^2/NDF : 79.8/81

asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.073+/-0.021 χ^2/NDF : 408699.5/15

Left Out: 89.512+/-0.015 χ^2/NDF : 471022.5/24

Right Out: 79.374+/-0.022 χ^2/NDF : 384780.1/17

Left In: 89.622+/-0.015 χ^2/NDF : 509391.8/22

Left: 89.565+/-0.011 χ^2/NDF : 980441.3/47

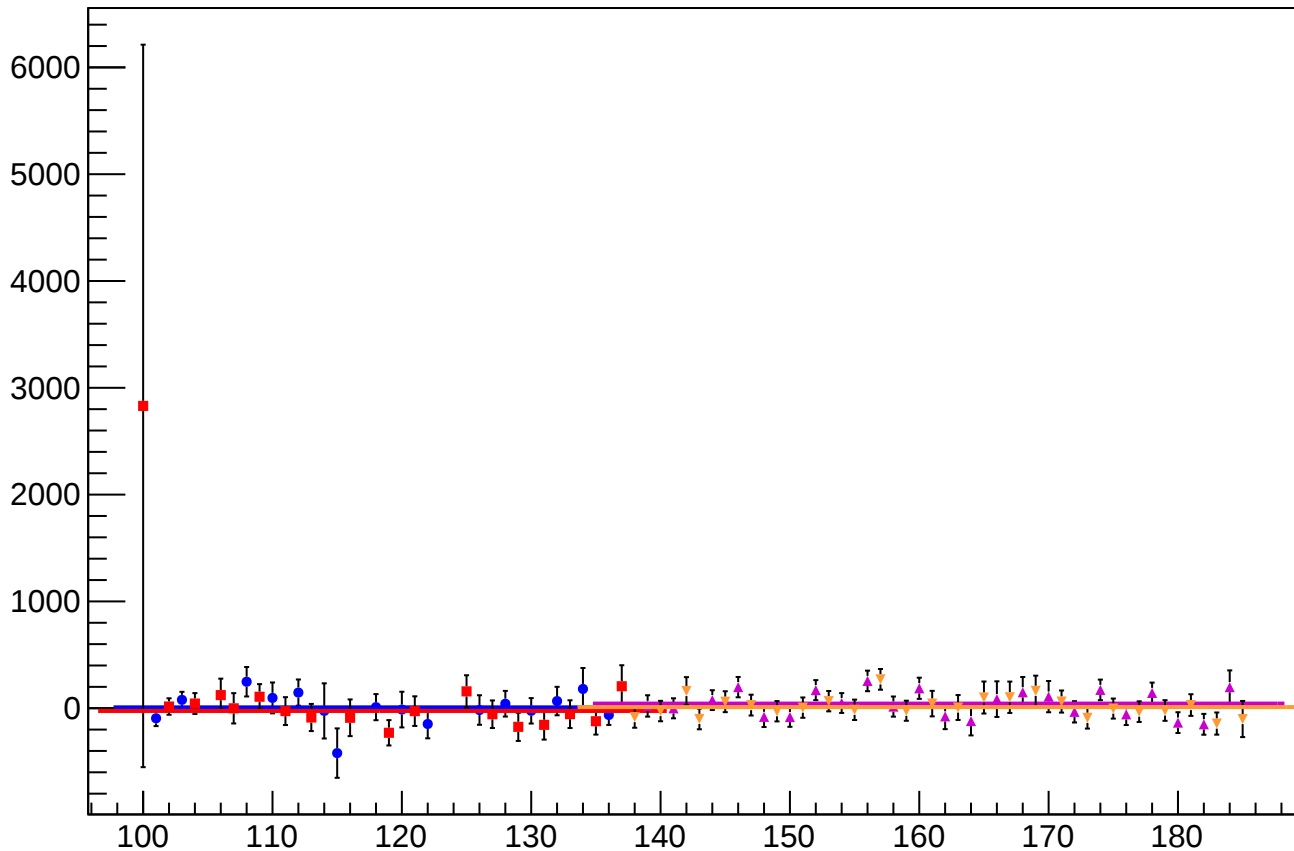
Right: 77.699+/-0.015 χ^2/NDF : 805371.7/33

In: 85.007+/-0.012 χ^2/NDF : 1186365.0/38

Out: 86.258+/-0.012 χ^2/NDF : 1005835.2/42

All: 85.642+/-0.009 χ^2/NDF : 2197366.0/81

reg_asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 8.113 ± 30.012 $\chi^2/\text{NDF}: 14.0/15$

Left Out: 10.499 ± 20.968 $\chi^2/\text{NDF}: 18.1/24$

Right Out: -25.774 ± 30.473 $\chi^2/\text{NDF}: 12.8/17$

Left In: 43.424 ± 21.593 $\chi^2/\text{NDF}: 31.4/22$

Left: 26.478 ± 15.043 $\chi^2/\text{NDF}: 50.7/47$

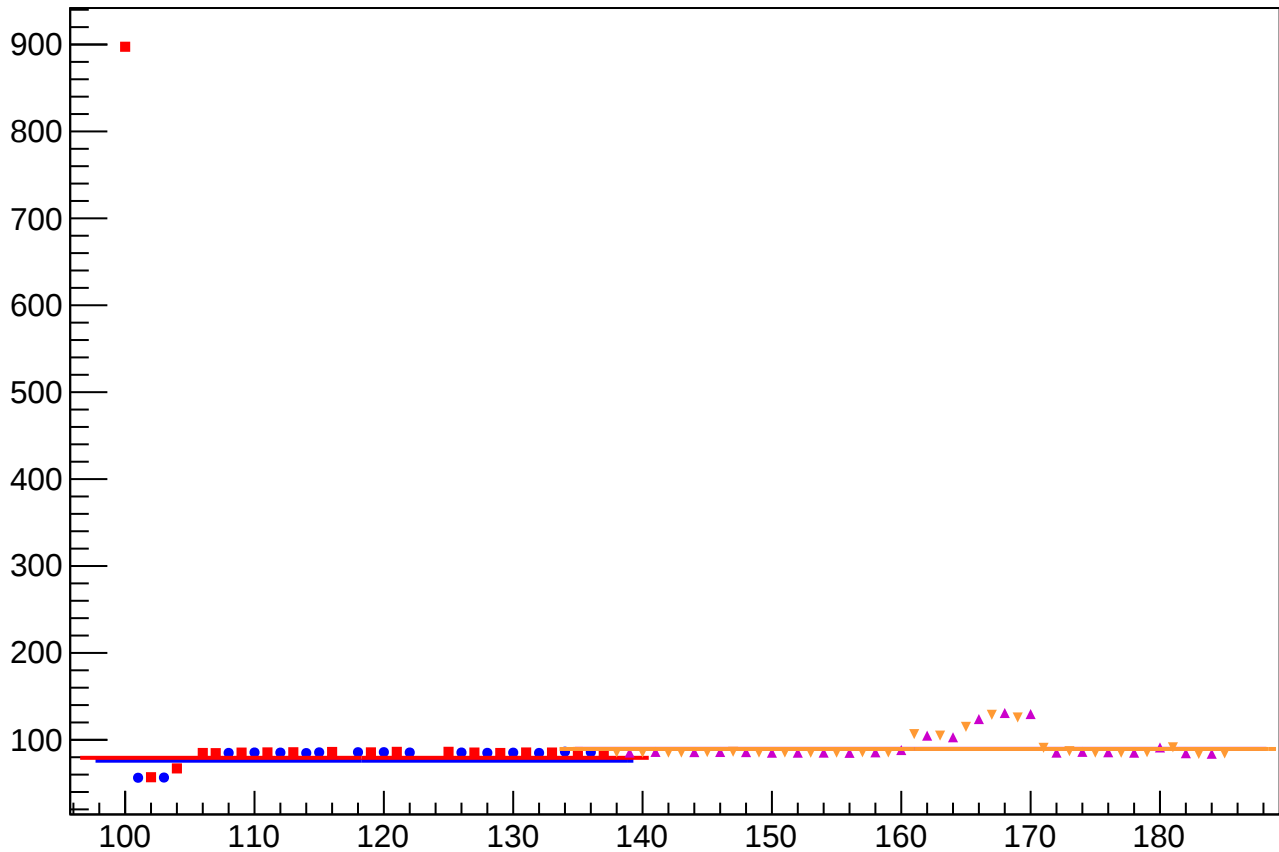
Right: -8.572 ± 21.383 $\chi^2/\text{NDF}: 27.4/33$

In: 31.380 ± 17.528 $\chi^2/\text{NDF}: 46.4/38$

Out: -1.156 ± 17.274 $\chi^2/\text{NDF}: 31.8/42$

All: 14.874 ± 12.303 $\chi^2/\text{NDF}: 80.0/81$

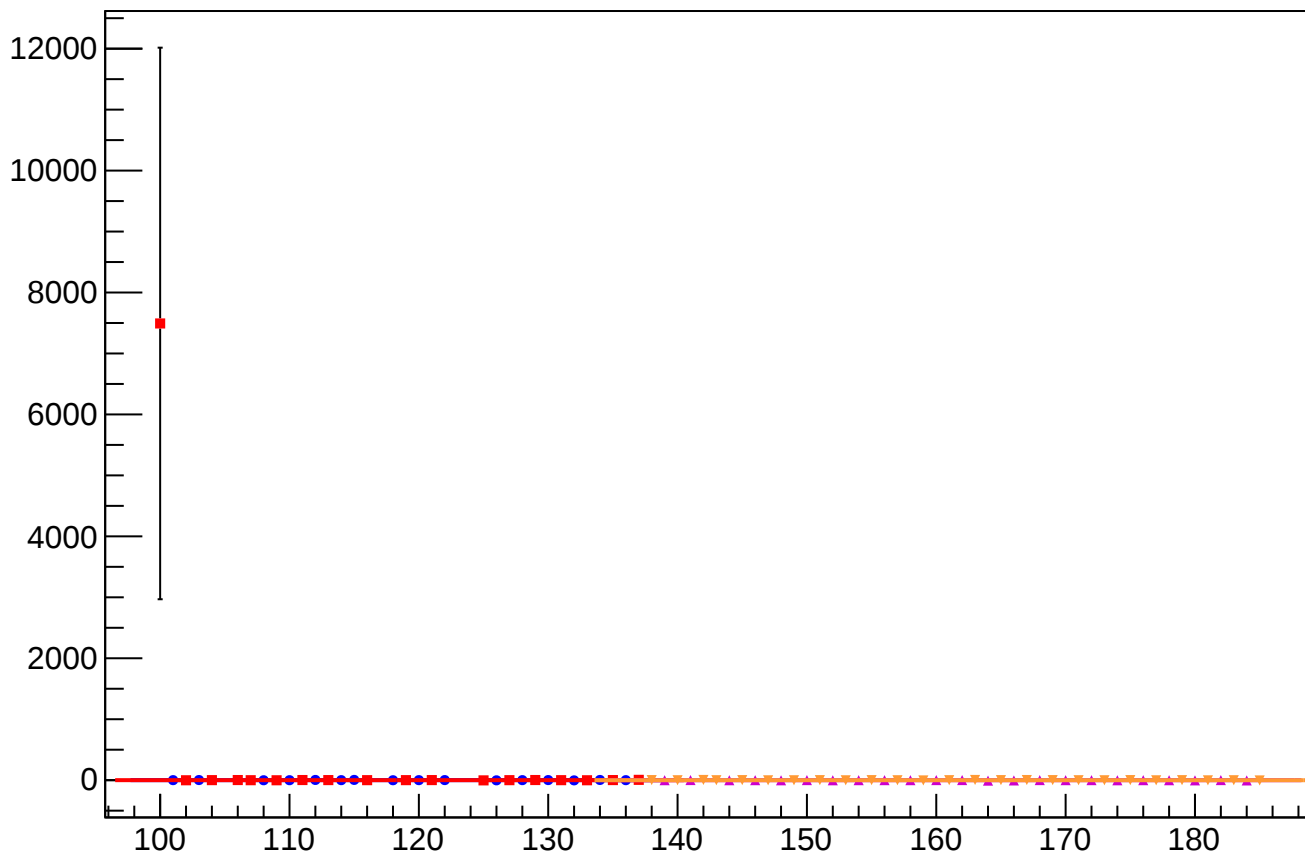
reg_asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.004 $\pm$ 0.021 χ^2 /NDF: 408328.4/15
Left Out: 89.510 $\pm$ 0.015 χ^2 /NDF: 468914.2/24
Right Out: 79.322 $\pm$ 0.022 χ^2 /NDF: 378093.1/17
Left In: 89.628 $\pm$ 0.015 χ^2 /NDF: 511042.3/22

Left: 89.567 $\pm$ 0.011 χ^2 /NDF: 979987.4/47
Right: 77.638 $\pm$ 0.015 χ^2 /NDF: 798459.7/33
In: 84.981 $\pm$ 0.012 χ^2 /NDF: 1190918.1/38
Out: 86.236 $\pm$ 0.012 χ^2 /NDF: 998705.9/42
All: 85.618 $\pm$ 0.009 χ^2 /NDF: 2194828.0/81

asym_ds_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.892 ± 0.531 χ^2/NDF : 11.9/15

Left Out: -0.517 ± 0.382 χ^2/NDF : 20.7/24

Right Out: 0.347 ± 0.549 χ^2/NDF : 13.4/17

Left In: -0.072 ± 0.390 χ^2/NDF : 20.4/22

Left: -0.299 ± 0.273 χ^2/NDF : 41.7/47

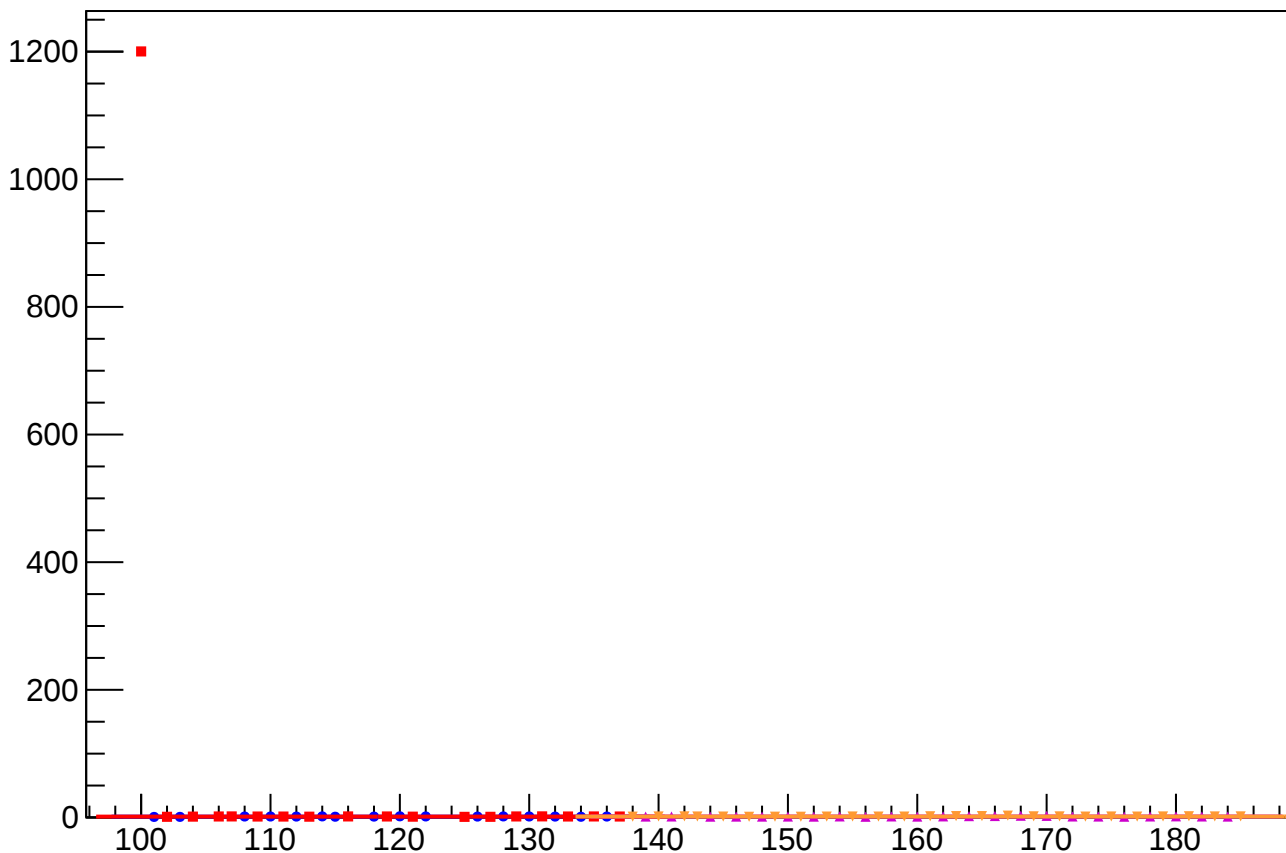
Right: 0.629 ± 0.382 χ^2/NDF : 25.9/33

In: 0.266 ± 0.315 χ^2/NDF : 34.4/38

Out: -0.234 ± 0.314 χ^2/NDF : 35.8/42

All: 0.015 ± 0.222 χ^2/NDF : 71.5/81

asym_ds_dd_correction_rms vs Slug, Sign Corrected



Right In: 1.233+/-0.000 χ^2/NDF : 625758.9/15

Left Out: 1.472+/-0.000 χ^2/NDF : 1155660.6/24

Right Out: 1.315+/-0.000 χ^2/NDF : 517133.0/17

Left In: 1.461+/-0.000 χ^2/NDF : 1048537.6/22

Left: 1.467+/-0.000 χ^2/NDF : 2205029.9/47

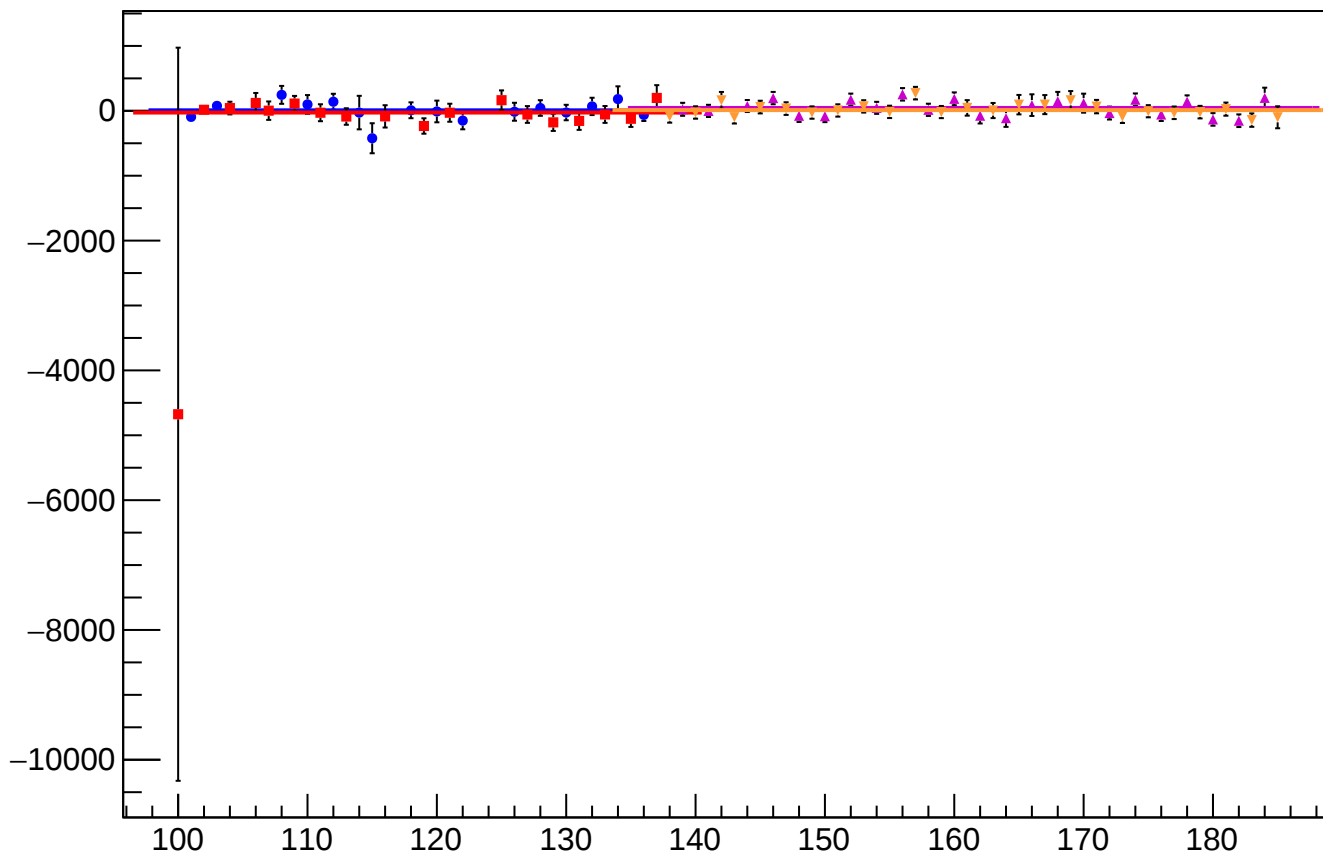
Right: 1.273+/-0.000 χ^2/NDF : 1166063.6/33

In: 1.381+/-0.000 χ^2/NDF : 1913455.7/38

Out: 1.421+/-0.000 χ^2/NDF : 1782883.8/42

All: 1.401+/-0.000 χ^2/NDF : 3712403.2/81

asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 7.406+/-30.020 χ^2 /NDF: 13.9/15

Left Out: 11.043+/-20.974 χ^2 /NDF:17.9/24

Right Out: -26.384+/-30.482 χ^2 /NDF: 13.0/17

Left In: 43.905+/-21.600 χ^2 /NDF:31.1/22

Left: 26.991+/-15.047 χ^2 /NDF: 50.2/47

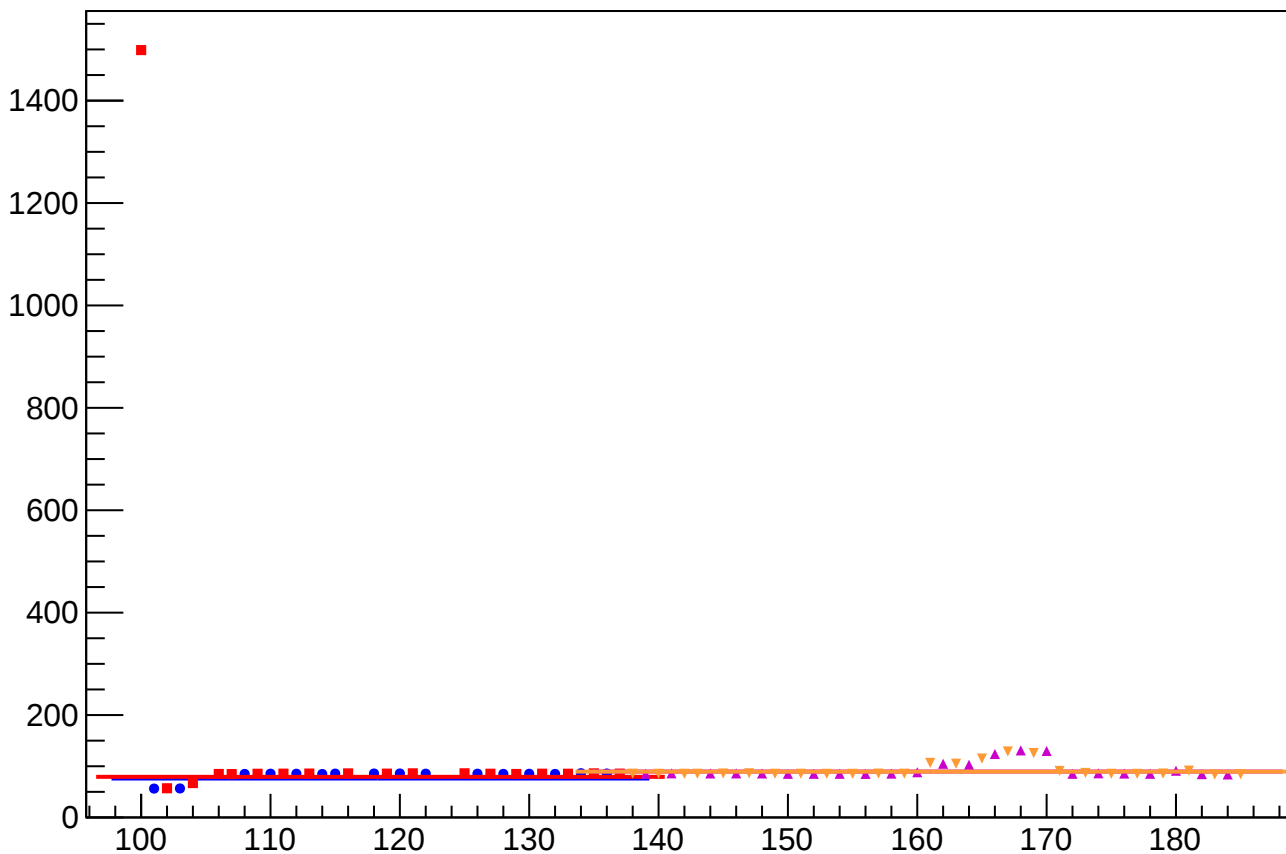
Right: -9.231+/-21.389 χ^2 /NDF: 27.5/33

In: 31.455+/-17.533 χ^2 /NDF:46.0/38

Out: -0.984+/-17.279 χ^2 /NDF:32.0/42

All: 14.999+/-12.307 χ^2 /NDF: 79.7/81

asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.025+/-0.021 χ^2/NDF : 408370.9/15

Left Out: 89.537+/-0.015 χ^2/NDF : 469668.7/24

Right Out: 79.319+/-0.022 χ^2/NDF : 387351.7/17

Left In: 89.655+/-0.015 χ^2/NDF : 511848.9/22

Left: 89.594+/-0.011 χ^2/NDF : 981548.1/47

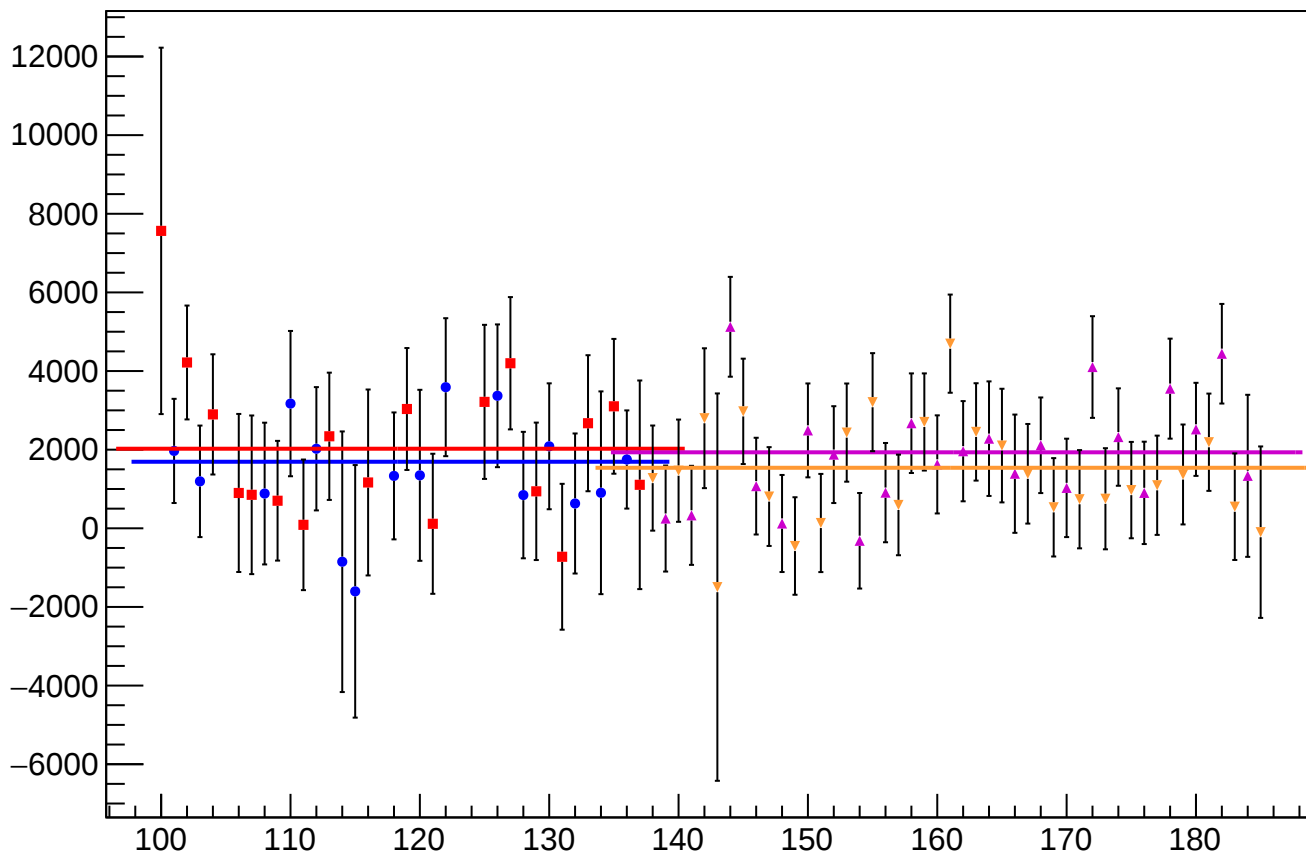
Right: 77.647+/-0.015 χ^2/NDF : 807581.4/33

In: 85.005+/-0.012 χ^2/NDF : 1191863.2/38

Out: 86.254+/-0.012 χ^2/NDF : 1009541.3/42

All: 85.639+/-0.009 χ^2/NDF : 2206547.2/81

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1692.799 $\pm$ 431.563 χ^2 /NDF: 5.6/15

Left Out: 1539.476 $\pm$ 265.918 χ^2 /NDF:20.3/24

Right Out: 2024.185 $\pm$ 423.428 χ^2 /NDF: 13.8/17

Left In: 1933.000 $\pm$ 268.006 χ^2 /NDF:27.0/22

Left: 1734.698 $\pm$ 188.766 χ^2 /NDF: 48.3/47

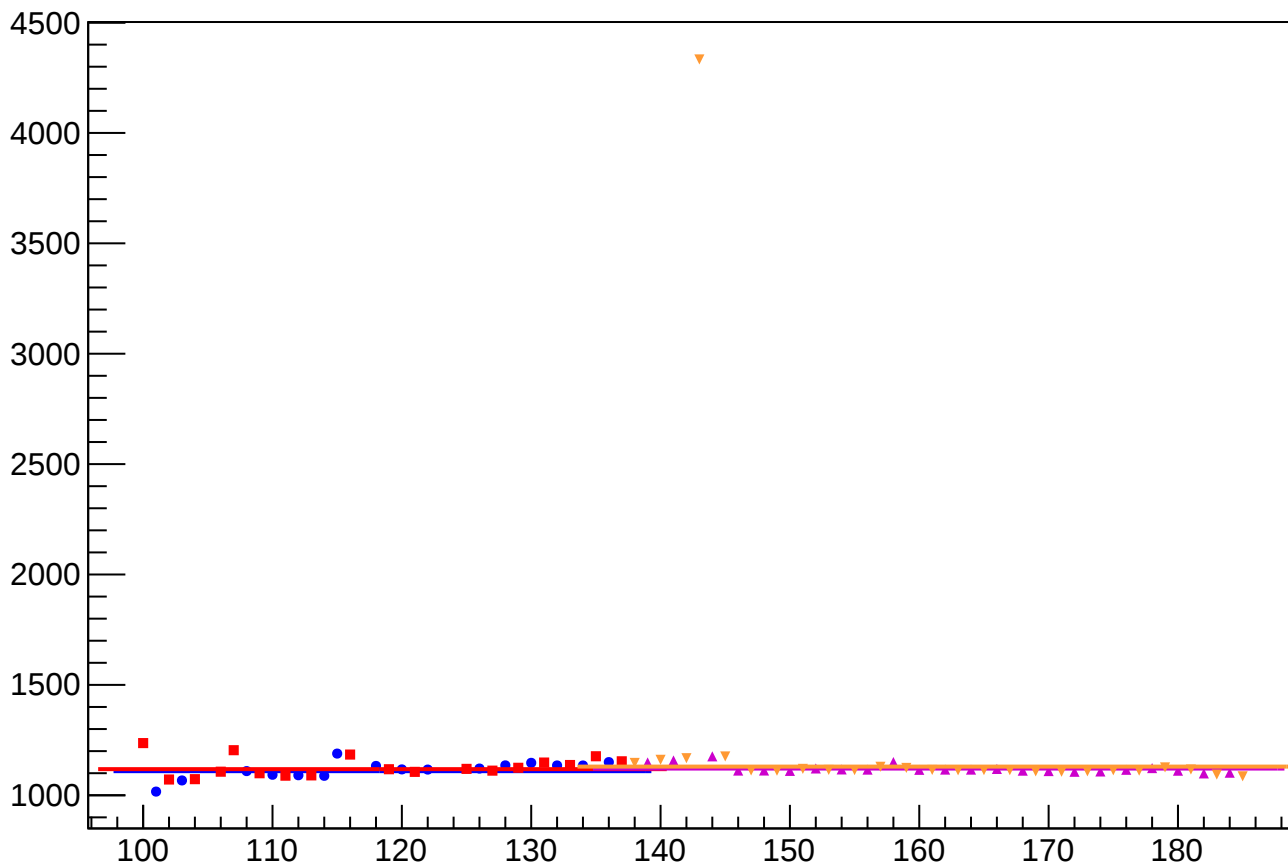
Right: 1861.645 $\pm$ 302.244 χ^2 /NDF: 19.7/33

In: 1866.147 $\pm$ 227.676 χ^2 /NDF:32.8/38

Out: 1676.573 $\pm$ 225.192 χ^2 /NDF:35.0/42

All: 1770.320 $\pm$ 160.106 χ^2 /NDF: 68.2/81

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1109.203+/-0.305 χ^2/NDF : 18241.7/15

Left Out: 1129.909+/-0.188 χ^2/NDF : 858253.4/24

Right Out: 1118.351+/-0.299 χ^2/NDF : 15519.6/17

Left In: 1120.991+/-0.190 χ^2/NDF : 9641.8/22

Left: 1125.485+/-0.133 χ^2/NDF : 869011.1/47

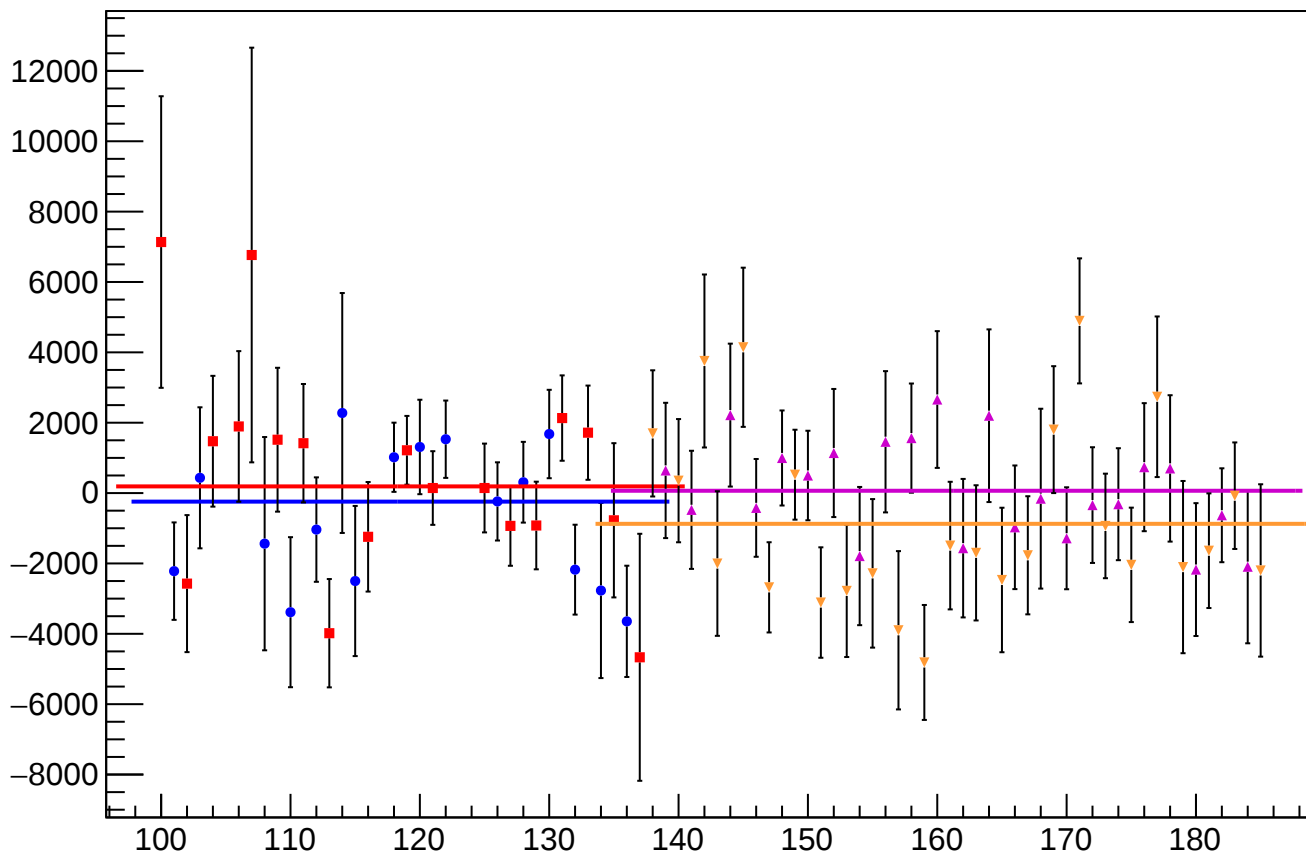
Right: 1113.864+/-0.214 χ^2/NDF : 34219.3/33

In: 1117.710+/-0.161 χ^2/NDF : 28960.3/38

Out: 1126.640+/-0.159 χ^2/NDF : 874841.7/42

All: 1122.224+/-0.113 χ^2/NDF : 905357.3/81

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -242.985 $\pm$ 361.487 χ^2/NDF : 22.5/15

Left Out: -874.089 $\pm$ 355.747 χ^2/NDF : 43.6/24

Right Out: 189.815 $\pm$ 357.555 χ^2/NDF : 25.2/17

Left In: 65.738 $\pm$ 358.785 χ^2/NDF : 12.1/22

Left: -408.171 $\pm$ 252.619 χ^2/NDF : 59.2/47

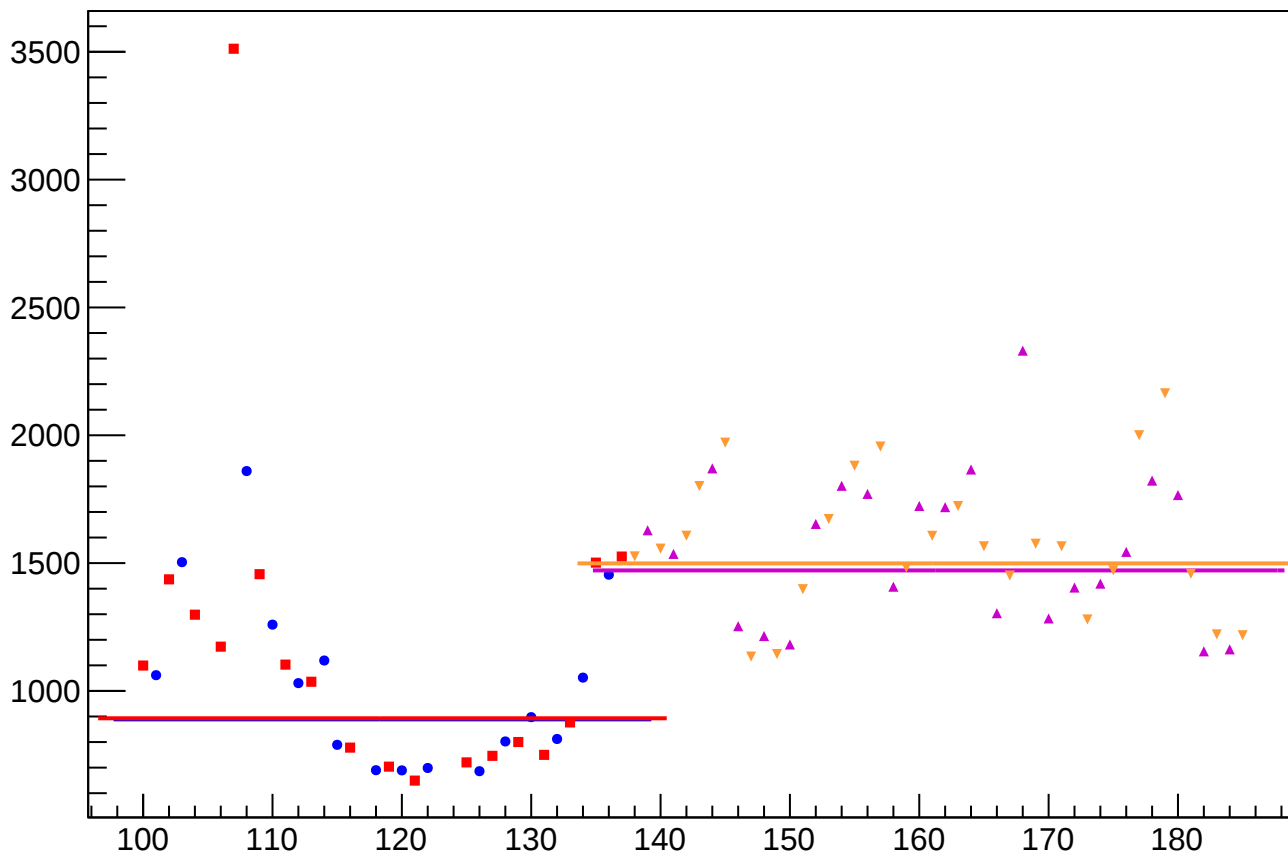
Right: -24.219 $\pm$ 254.208 χ^2/NDF : 48.4/33

In: -87.466 $\pm$ 254.649 χ^2/NDF : 35.0/38

Out: -344.833 $\pm$ 252.188 χ^2/NDF : 73.2/42

All: -217.399 $\pm$ 179.188 χ^2/NDF : 108.8/81

asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 888.808+/-0.256 χ^2/NDF : 1052628.4/15

Left Out: 1498.889+/-0.252 χ^2/NDF : 1053931.5/24

Right Out: 892.975+/-0.253 χ^2/NDF : 1409163.7/17

Left In: 1471.394+/-0.254 χ^2/NDF : 1105310.5/22

Left: 1485.258+/-0.179 χ^2/NDF : 2165164.8/47

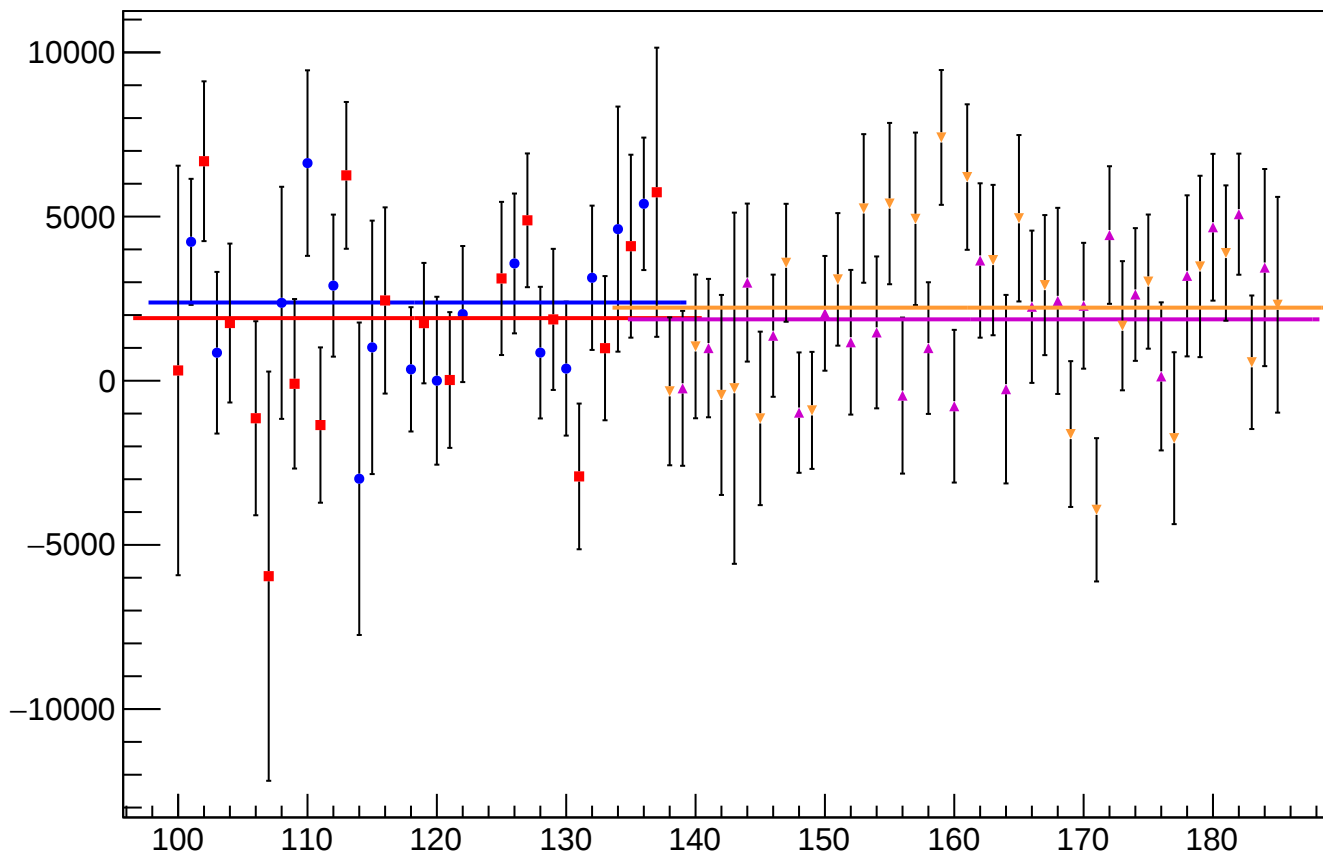
Right: 890.914+/-0.180 χ^2/NDF : 2461926.4/33

In: 1182.286+/-0.180 χ^2/NDF : 4774799.0/38

Out: 1197.467+/-0.178 χ^2/NDF : 5349331.2/42

All: 1189.950+/-0.127 χ^2/NDF : 10127719.1/80

asym_usl_mean vs Slug, Sign Corrected



Right In: 2382.736 $\pm$ 590.698 χ^2 /NDF: 11.6/15

Left Out: 2225.767 $\pm$ 454.891 χ^2 /NDF:38.8/24

Right Out: 1906.871 $\pm$ 584.955 χ^2 /NDF: 22.4/17

Left In: 1869.792 $\pm$ 455.465 χ^2 /NDF:14.9/22

Left: 2048.004 $\pm$ 321.859 χ^2 /NDF: 54.0/47

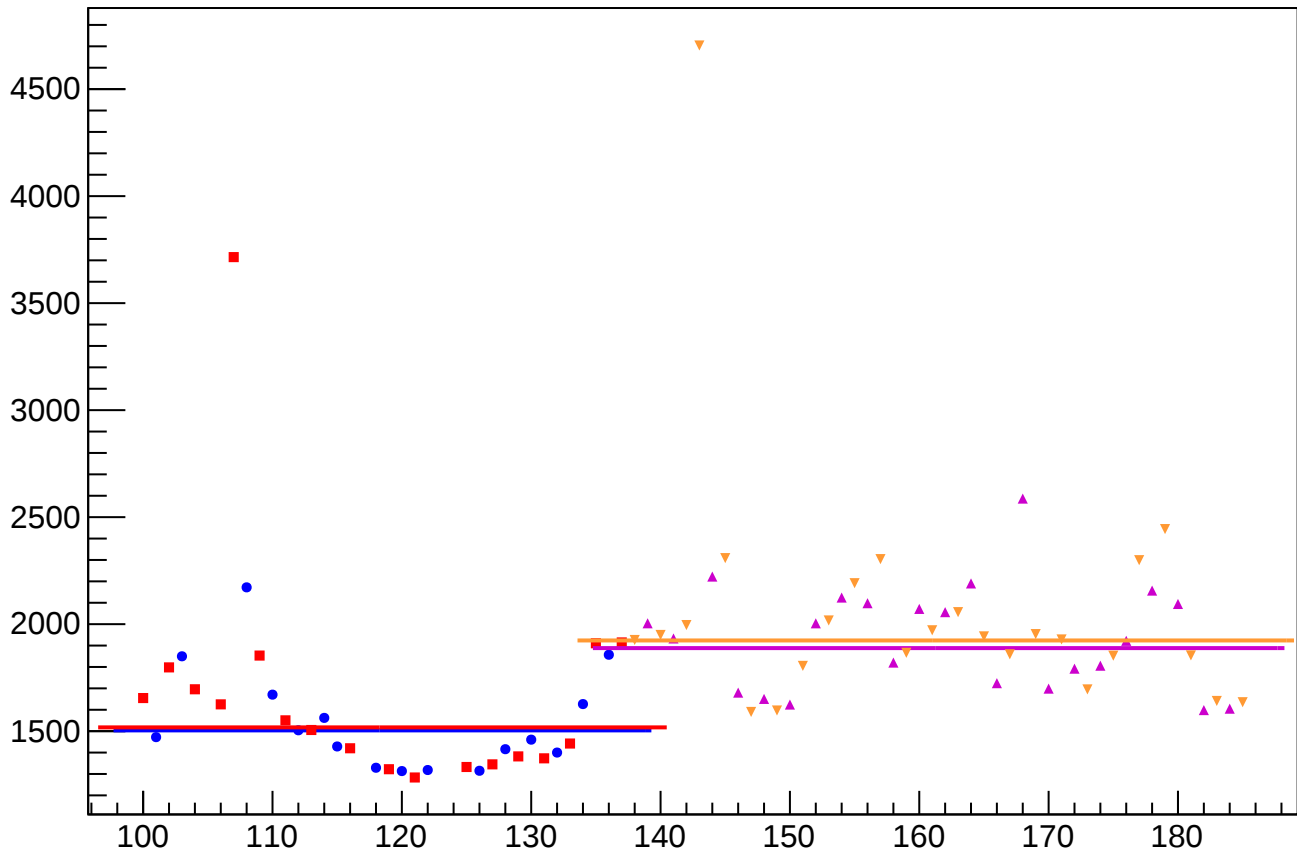
Right: 2142.479 $\pm$ 415.641 χ^2 /NDF: 34.4/33

In: 2061.048 $\pm$ 360.693 χ^2 /NDF:27.0/38

Out: 2105.592 $\pm$ 359.091 χ^2 /NDF:61.4/42

All: 2083.419 $\pm$ 254.480 χ^2 /NDF: 88.4/81

asym_usl_rms vs Slug, Sign Corrected



Right In: 1503.676 ± 0.418 $\chi^2/NDF: 252138.4/15$

Left Out: 1923.885 ± 0.322 $\chi^2/NDF: 1006107.9/24$

Right Out: 1517.693 ± 0.414 $\chi^2/NDF: 476469.5/17$

Left In: 1888.121 ± 0.322 $\chi^2/NDF: 504568.6/22$

Left: 1906.026 ± 0.228 $\chi^2/NDF: 1516850.0/47$

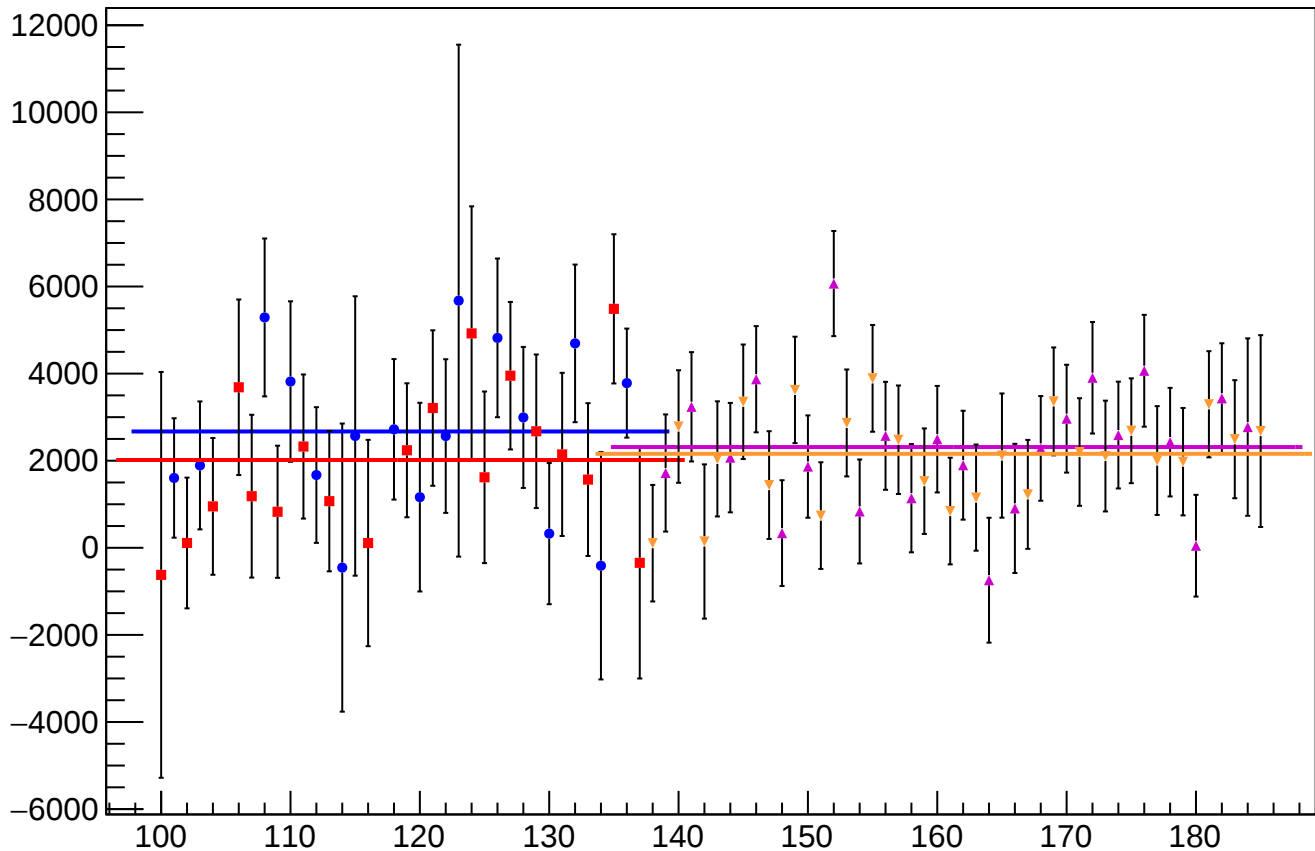
Right: 1510.753 ± 0.294 $\chi^2/NDF: 729176.4/33$

In: 1744.778 ± 0.255 $\chi^2/NDF: 1287998.4/38$

Out: 1770.813 ± 0.254 $\chi^2/NDF: 2083531.8/42$

All: 1757.853 ± 0.180 $\chi^2/NDF: 3376763.5/81$

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2671.295 $\pm$ 434.567 χ^2 /NDF: 12.4/16

Left Out: 2158.014 $\pm$ 257.550 χ^2 /NDF:15.1/24

Right Out: 2016.229 $\pm$ 420.147 χ^2 /NDF: 12.8/18

Left In: 2313.505 $\pm$ 264.429 χ^2 /NDF:31.3/22

Left: 2233.711 $\pm$ 184.499 χ^2 /NDF: 46.5/47

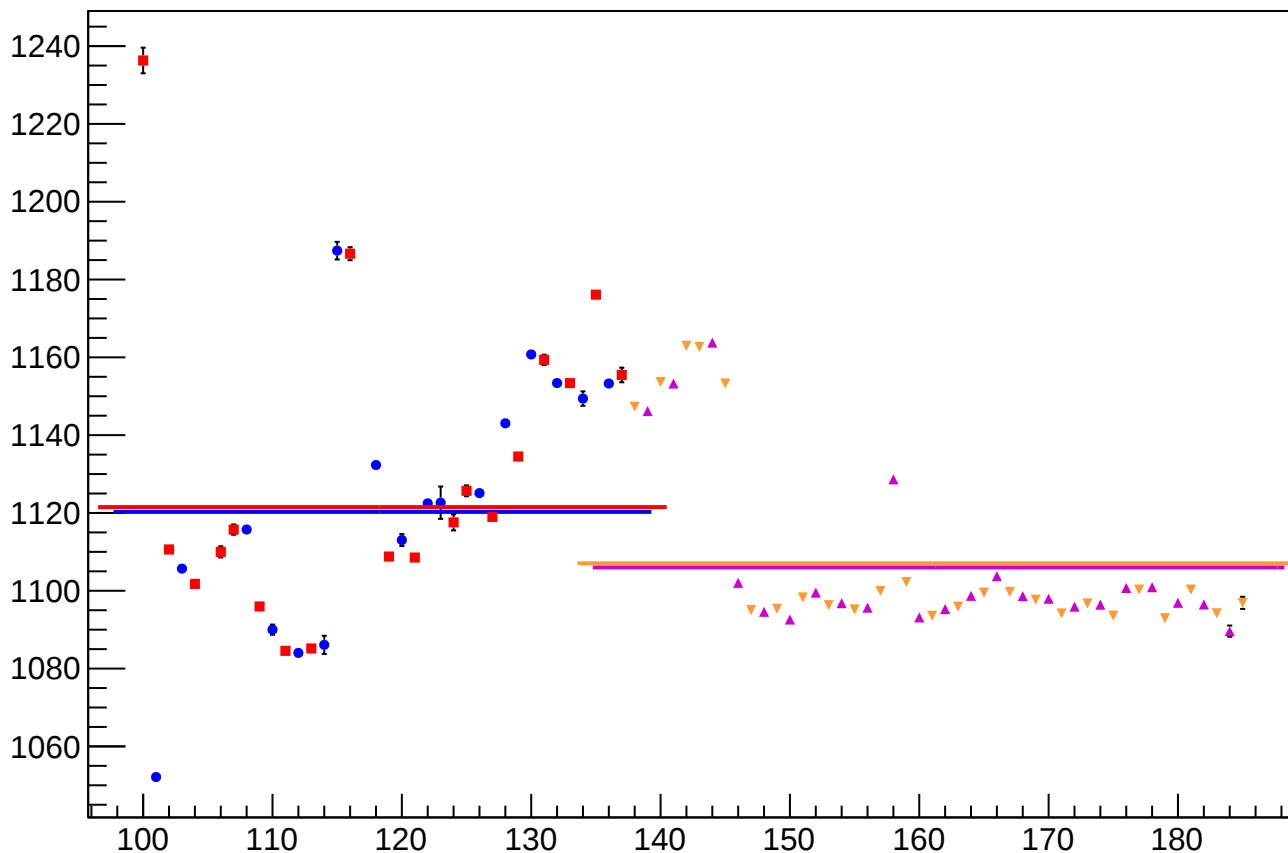
Right: 2332.714 $\pm$ 302.058 χ^2 /NDF: 26.4/35

In: 2410.184 $\pm$ 225.896 χ^2 /NDF:44.1/39

Out: 2119.288 $\pm$ 219.578 χ^2 /NDF:28.0/43

All: 2260.611 $\pm$ 157.451 χ^2 /NDF: 72.9/83

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1120.277 $\pm$ 0.307 χ^2/NDF : 11962.7/16

Left Out: 1107.056 $\pm$ 0.182 χ^2/NDF :15177.6/24

Right Out: 1121.507 $\pm$ 0.297 χ^2/NDF : 10014.9/18

Left In: 1105.997 $\pm$ 0.187 χ^2/NDF :11551.3/22

Left: 1106.540 $\pm$ 0.130 χ^2/NDF : 26745.4/47

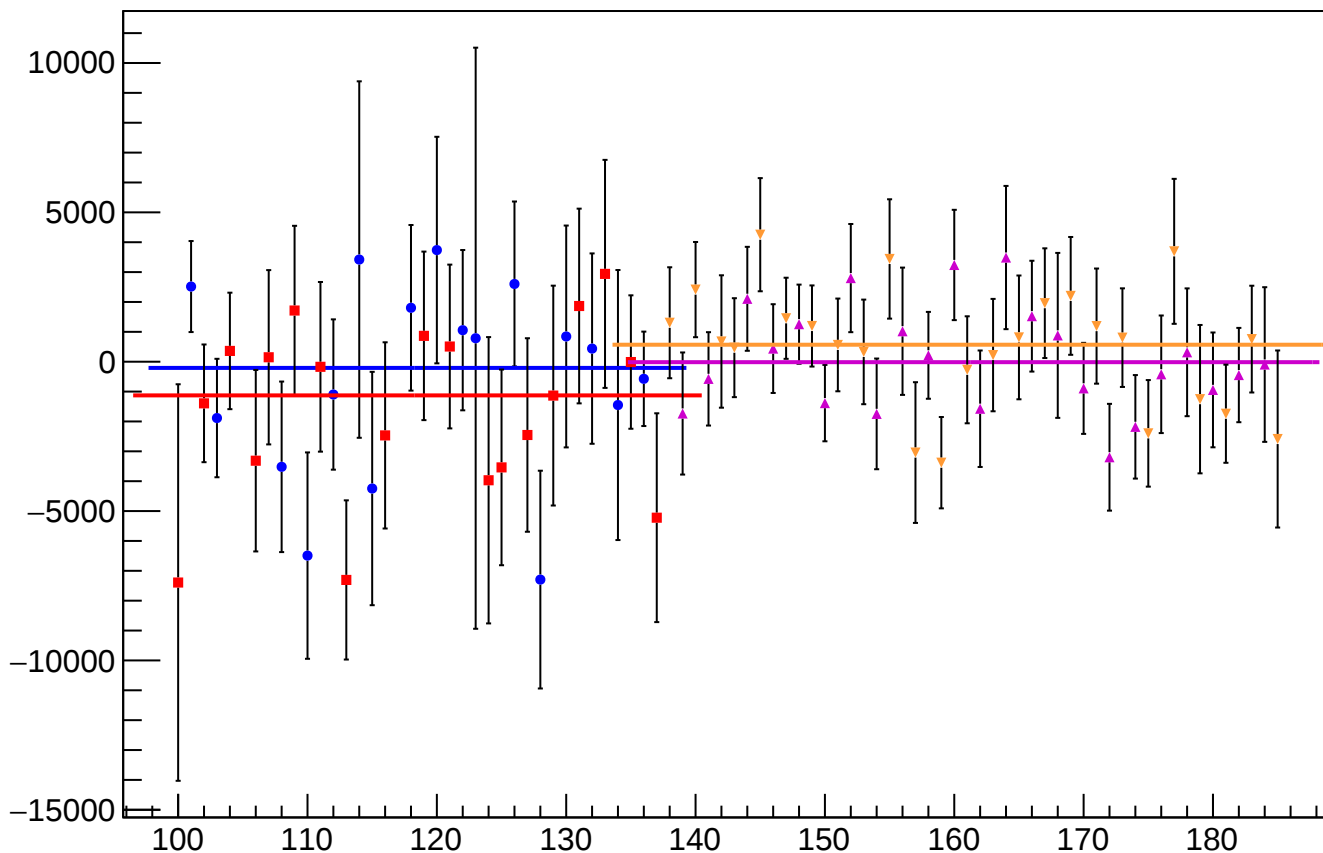
Right: 1120.913 $\pm$ 0.214 χ^2/NDF : 21985.9/35

In: 1109.855 $\pm$ 0.160 χ^2/NDF :25090.3/39

Out: 1111.003 $\pm$ 0.155 χ^2/NDF :26912.4/43

All: 1110.445 $\pm$ 0.111 χ^2/NDF : 52029.3/83

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: -207.352 ± 656.632 χ^2/NDF : 17.0/16

Left Out: 568.834 ± 360.938 χ^2/NDF : 26.8/24

Right Out: -1127.444 ± 663.569 χ^2/NDF : 14.4/18

Left In: -15.520 ± 366.854 χ^2/NDF : 20.1/22

Left: 281.407 ± 257.288 χ^2/NDF : 48.2/47

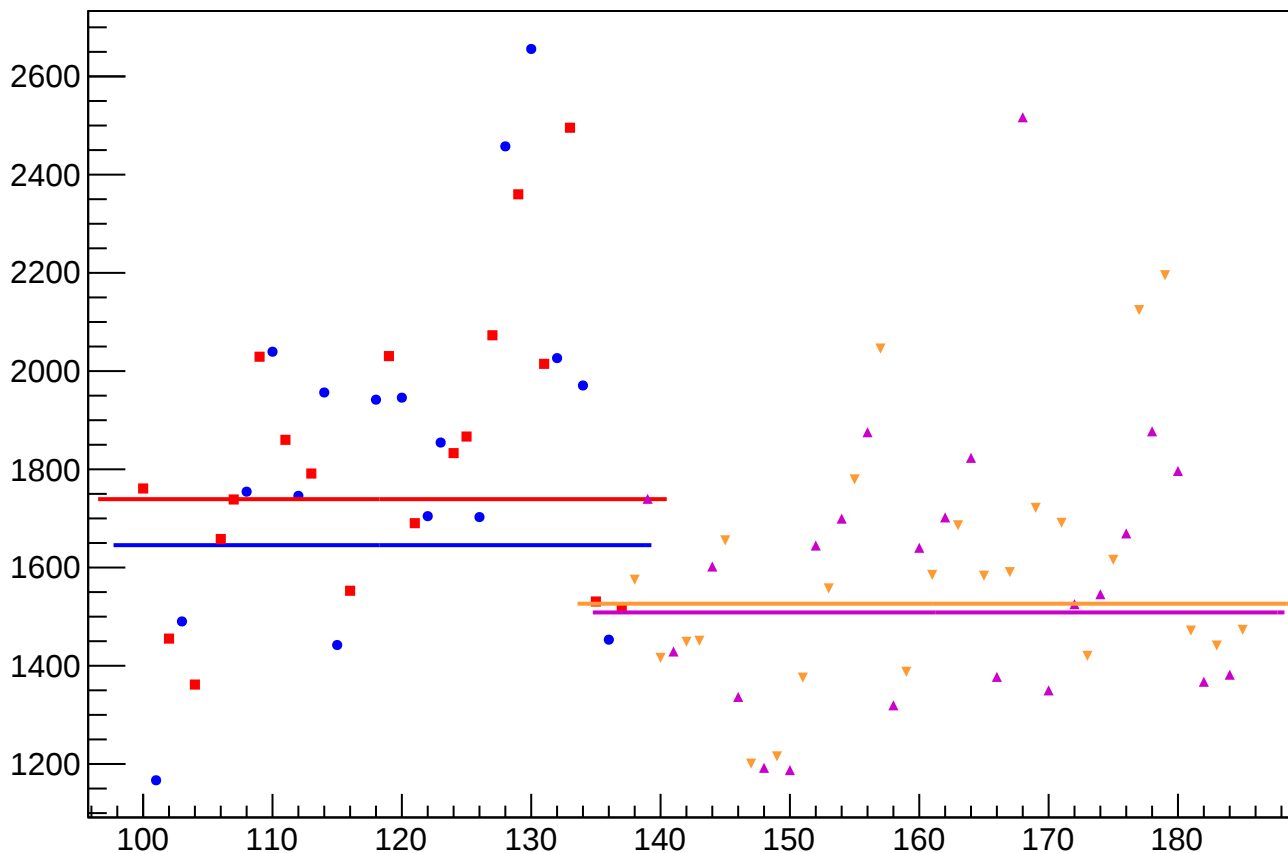
Right: -662.564 ± 466.742 χ^2/NDF : 32.4/35

In: -61.154 ± 320.261 χ^2/NDF : 37.3/39

Out: 181.550 ± 317.068 χ^2/NDF : 46.2/43

All: 61.414 ± 225.322 χ^2/NDF : 83.8/83

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 1645.579+/-0.464 χ^2/NDF : 606697.8/16

Left Out: 1526.352+/-0.255 χ^2/NDF : 753839.1/24

Right Out: 1739.254+/-0.469 χ^2/NDF : 372578.2/18

Left In: 1508.581+/-0.259 χ^2/NDF : 931684.8/22

Left: 1517.611+/-0.182 χ^2/NDF : 1687908.6/47

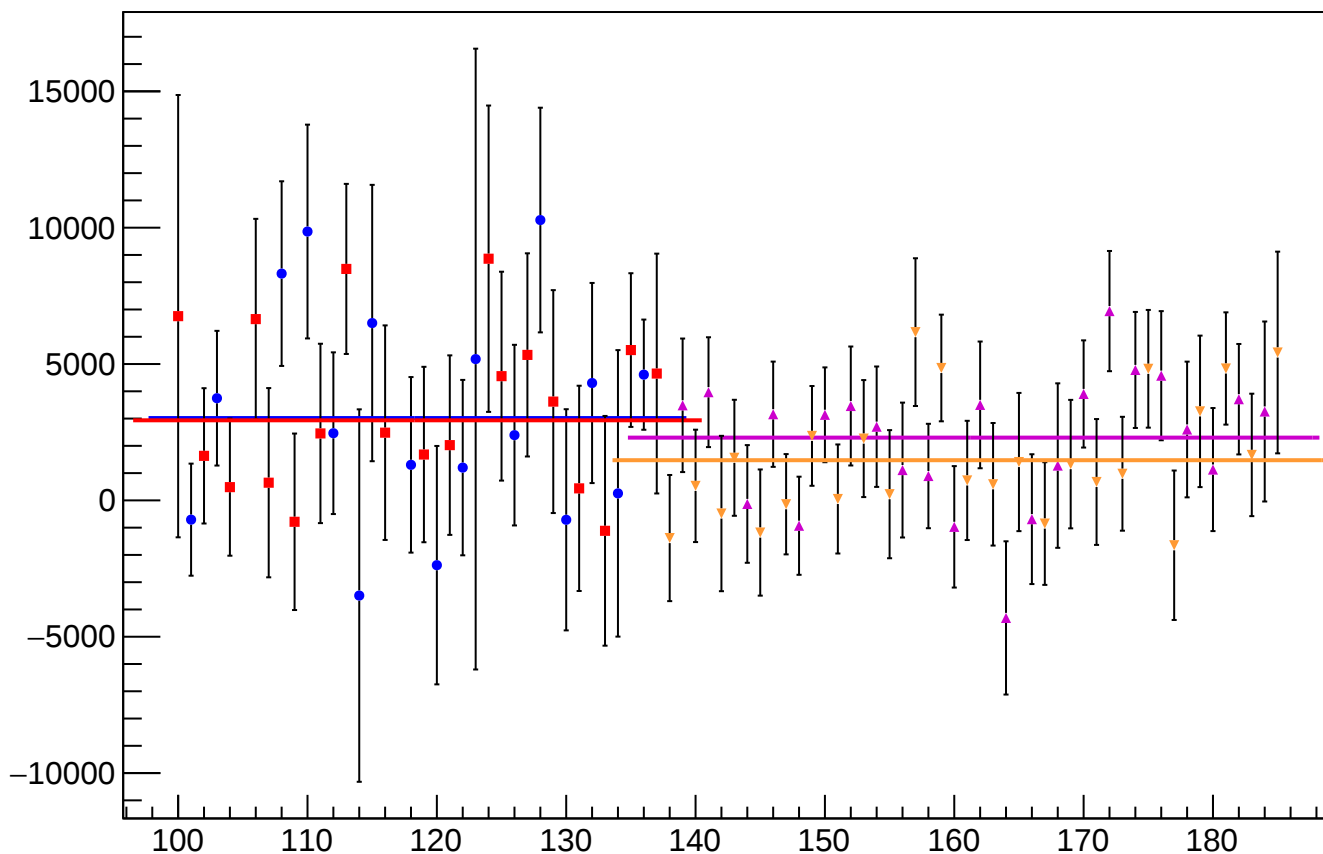
Right: 1691.924+/-0.330 χ^2/NDF : 999414.1/35

In: 1541.170+/-0.226 χ^2/NDF : 1604731.6/39

Out: 1574.960+/-0.224 χ^2/NDF : 1285293.7/43

All: 1558.235+/-0.159 χ^2/NDF : 2901268.6/83

asym_usr_mean vs Slug, Sign Corrected



Right In: 3018.495 $\pm$ 804.013 χ^2 /NDF: 17.5/16

Left Out: 1473.181 $\pm$ 450.033 χ^2 /NDF:20.9/24

Right Out: 2936.563 $\pm$ 797.151 χ^2 /NDF: 11.7/18

Left In: 2301.247 $\pm$ 459.040 χ^2 /NDF:24.8/22

Left: 1879.011 $\pm$ 321.359 χ^2 /NDF: 47.4/47

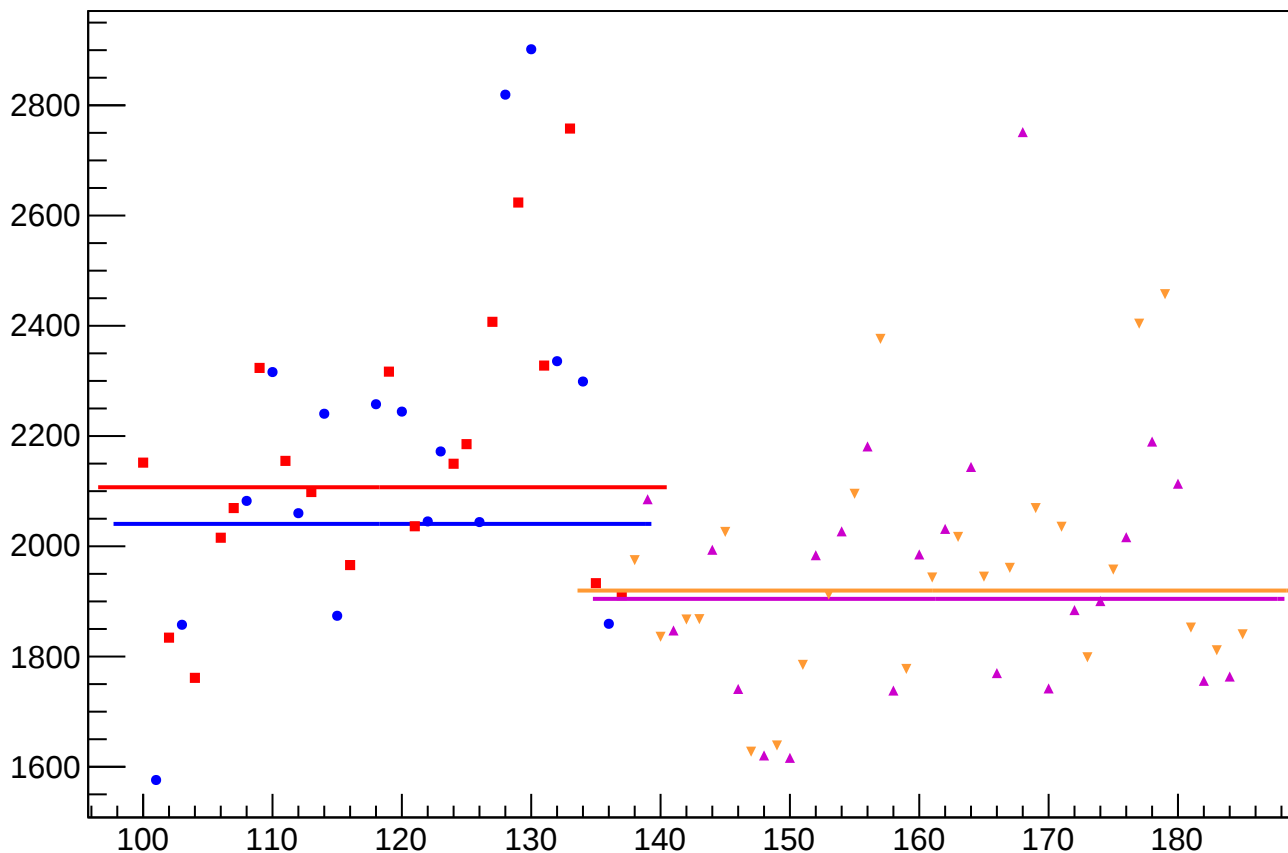
Right: 2977.178 $\pm$ 566.082 χ^2 /NDF: 29.2/35

In: 2477.571 $\pm$ 398.643 χ^2 /NDF:42.9/39

Out: 1826.863 $\pm$ 391.894 χ^2 /NDF:35.2/43

All: 2146.662 $\pm$ 279.466 χ^2 /NDF: 79.4/83

asym_usr_rms vs Slug, Sign Corrected



Right In: 2040.634+/-0.569 χ^2/NDF : 336565.5/16

Left Out: 1919.703+/-0.318 χ^2/NDF : 366304.6/24

Right Out: 2107.120+/-0.564 χ^2/NDF : 197006.9/18

Left In: 1904.629+/-0.325 χ^2/NDF : 447350.7/22

Left: 1912.315+/-0.227 χ^2/NDF : 814755.0/47

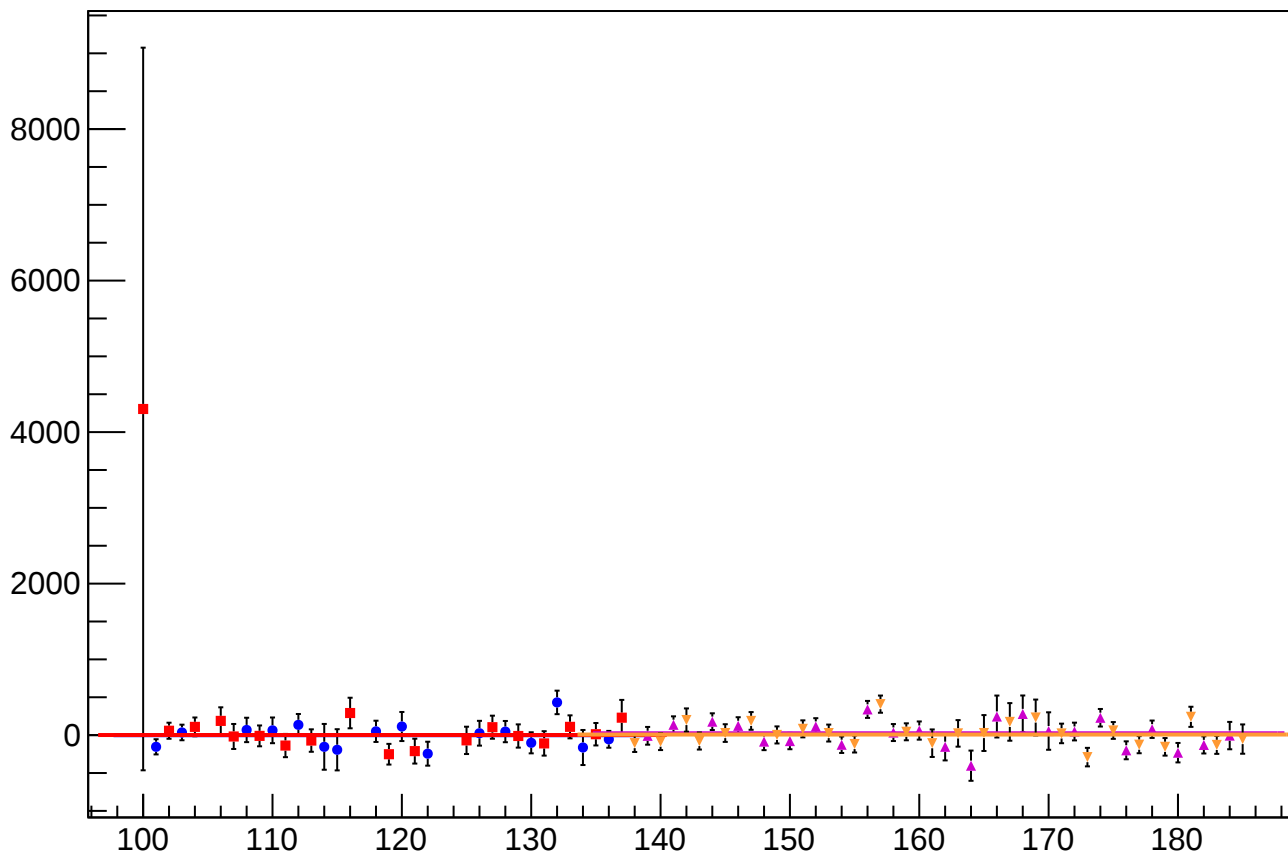
Right: 2074.162+/-0.400 χ^2/NDF : 540469.2/35

In: 1938.063+/-0.282 χ^2/NDF : 827076.2/39

Out: 1965.000+/-0.277 χ^2/NDF : 647144.5/43

All: 1951.761+/-0.198 χ^2/NDF : 1478864.5/83

reg_asym_dsl_mean vs Slug, Sign Corrected



Right In: -0.770 ± 36.771 $\chi^2/\text{NDF}: 16.5/15$

Left Out: 7.903 ± 25.577 $\chi^2/\text{NDF}: 36.4/24$

Right Out: 1.460 ± 36.756 $\chi^2/\text{NDF}: 13.8/17$

Left In: 24.786 ± 26.343 $\chi^2/\text{NDF}: 36.4/22$

Left: 16.096 ± 18.350 $\chi^2/\text{NDF}: 73.0/47$

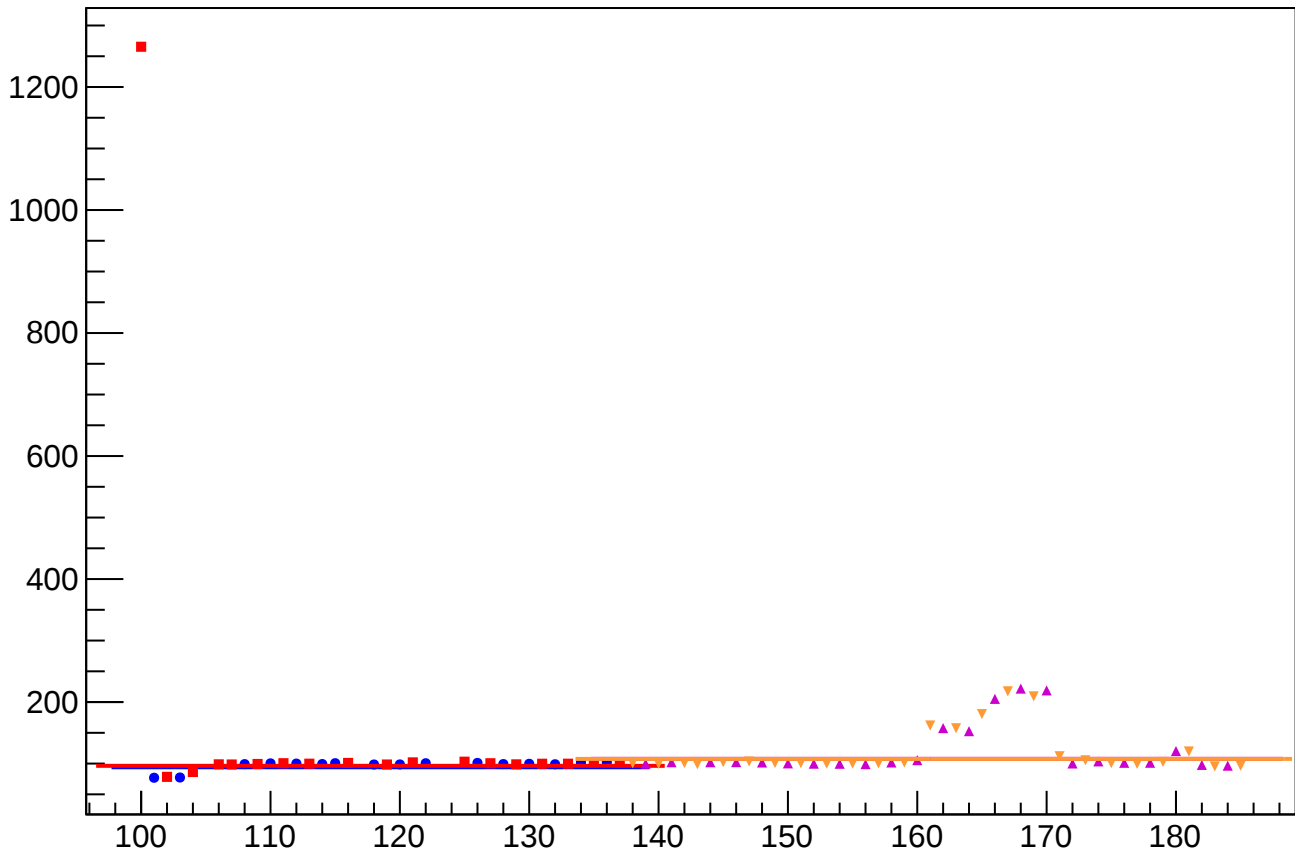
Right: 0.345 ± 25.996 $\chi^2/\text{NDF}: 30.3/33$

In: 16.118 ± 21.415 $\chi^2/\text{NDF}: 53.2/38$

Out: 5.801 ± 20.994 $\chi^2/\text{NDF}: 50.2/42$

All: 10.857 ± 14.992 $\chi^2/\text{NDF}: 103.5/81$

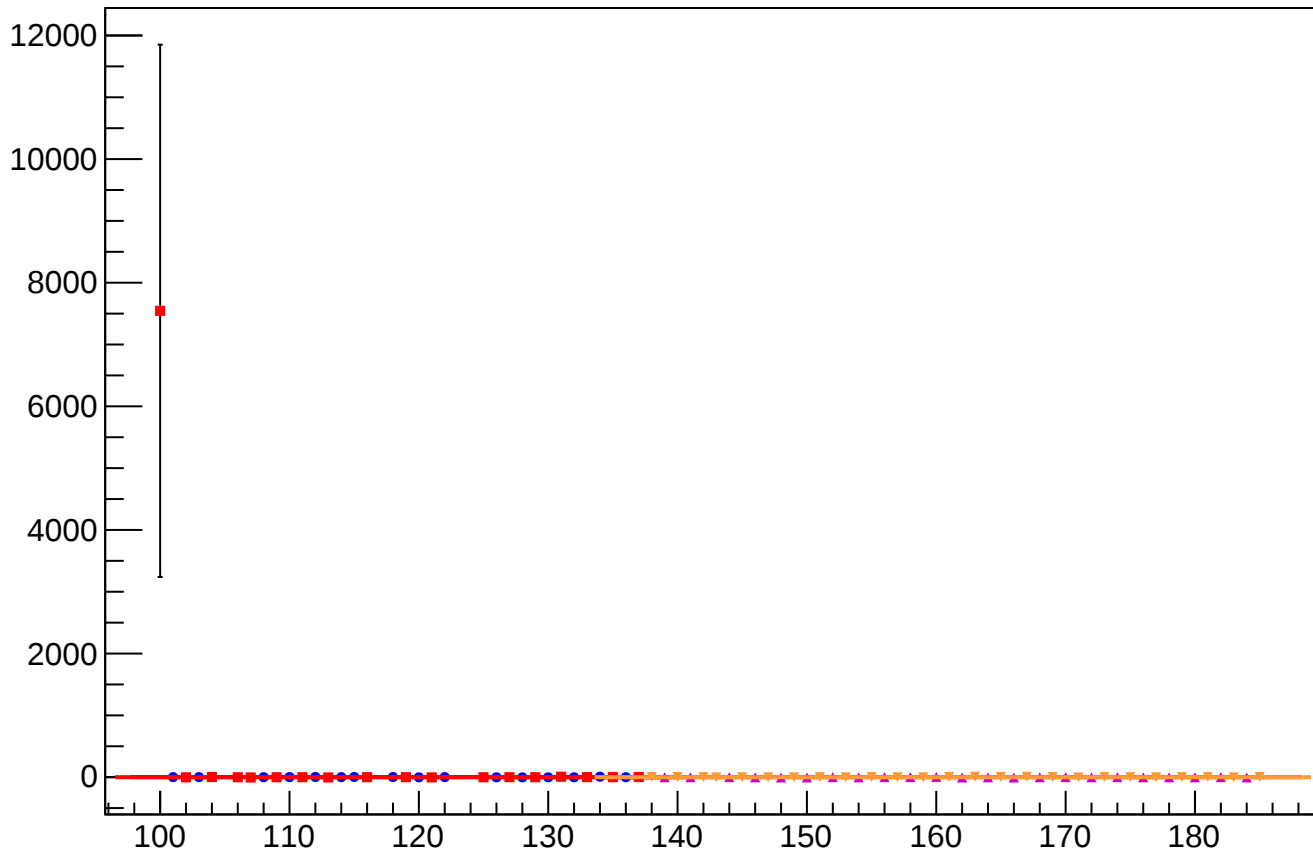
reg_asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.047 $\pm$ 0.026 χ^2 /NDF: 152068.3/15
Left Out: 107.594 $\pm$ 0.018 χ^2 /NDF: 1447174.3/24
Right Out: 96.358 $\pm$ 0.026 χ^2 /NDF: 209109.4/17
Left In: 107.672 $\pm$ 0.019 χ^2 /NDF: 1491034.7/22

Left: 107.632 $\pm$ 0.013 χ^2 /NDF: 2938218.0/47
Right: 95.203 $\pm$ 0.018 χ^2 /NDF: 365129.1/33
In: 103.051 $\pm$ 0.015 χ^2 /NDF: 1824568.8/38
Out: 103.929 $\pm$ 0.015 χ^2 /NDF: 1782212.8/42
All: 103.499 $\pm$ 0.011 χ^2 /NDF: 3608493.6/81

asym_dsl_correction_mean vs Slug, Sign Corrected



Right In: 0.390+/-0.617 χ^2/NDF : 10.4/15

Left Out: -0.769+/-0.459 χ^2/NDF : 34.3/24

Right Out: -0.344+/-0.644 χ^2/NDF : 21.0/17

Left In: -0.067+/-0.485 χ^2/NDF : 25.0/22

Left: -0.437+/-0.333 χ^2/NDF : 60.4/47

Right: 0.038+/-0.445 χ^2/NDF : 32.1/33

In: 0.107+/-0.381 χ^2/NDF : 35.7/38

Out: -0.626+/-0.374 χ^2/NDF : 55.6/42

All: -0.267+/-0.267 χ^2/NDF : 93.2/81

asym_dsl_correction_rms vs Slug, Sign Corrected



Right In: 1.420+/-0.000 χ^2/NDF : 713301.5/15

Left Out: 1.746+/-0.000 χ^2/NDF : 1683676.4/24

Right Out: 1.555+/-0.000 χ^2/NDF : 313943.5/17

Left In: 1.802+/-0.000 χ^2/NDF : 1921298.2/22

Left: 1.773+/-0.000 χ^2/NDF : 3619132.0/47

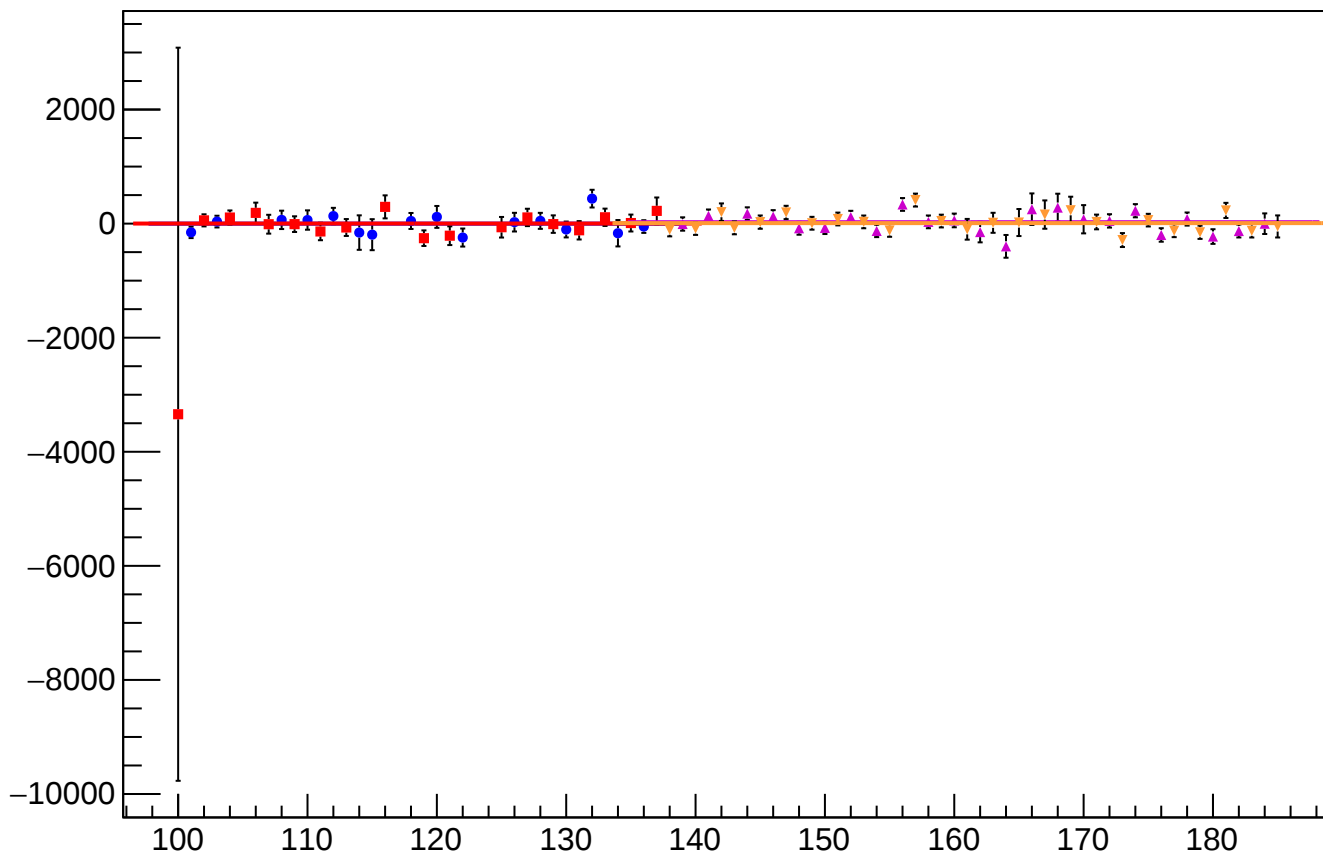
Right: 1.485+/-0.000 χ^2/NDF : 1073016.8/33

In: 1.657+/-0.000 χ^2/NDF : 3109795.2/38

Out: 1.682+/-0.000 χ^2/NDF : 2114731.0/42

All: 1.669+/-0.000 χ^2/NDF : 5228951.9/81

asym_dsl_mean vs Slug, Sign Corrected



Right In: -0.474 ± 36.781 χ^2/NDF : 16.7/15

Left Out: 8.722 ± 25.585 χ^2/NDF : 36.2/24

Right Out: 1.223 ± 36.766 χ^2/NDF : 13.3/17

Left In: 25.312 ± 26.351 χ^2/NDF : 35.7/22

Left: 16.772 ± 18.356 χ^2/NDF : 72.1/47

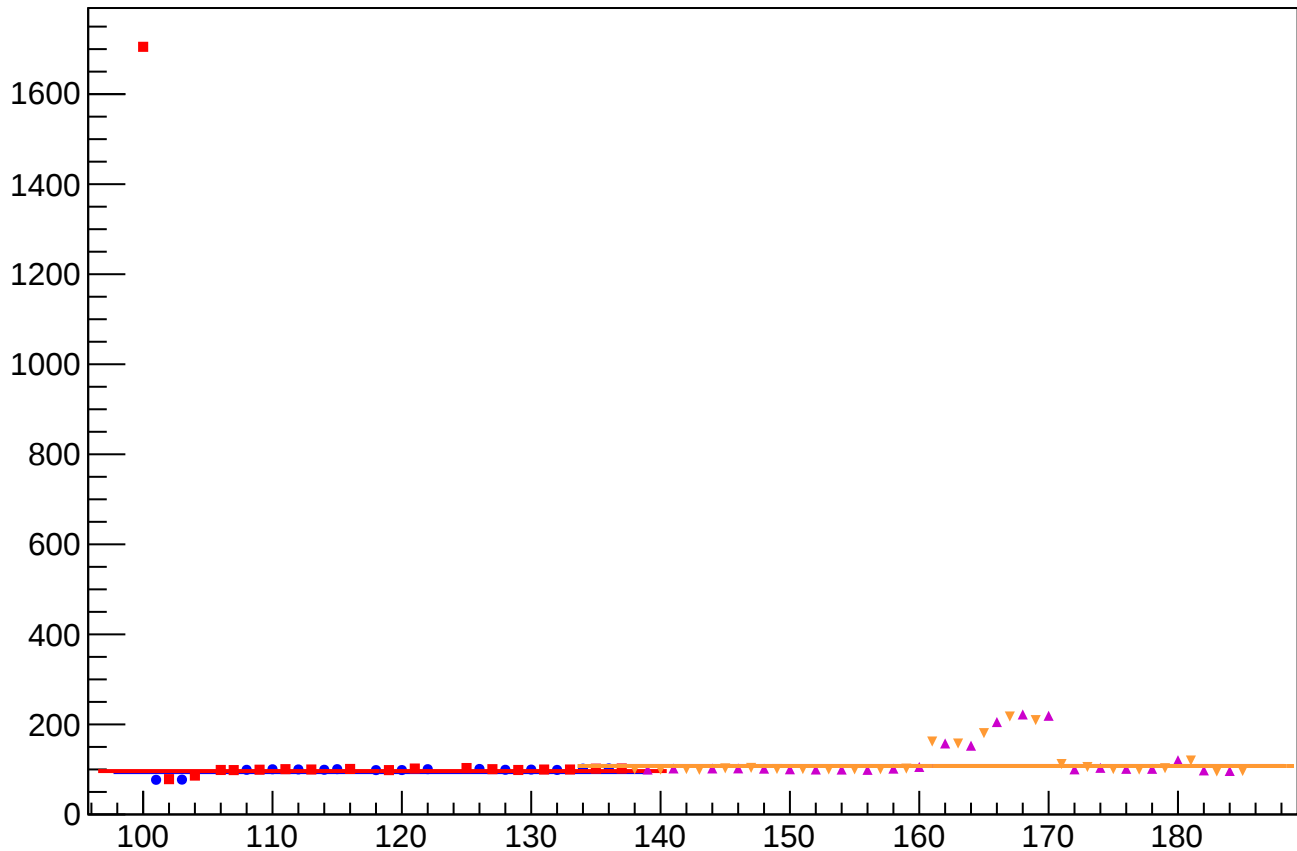
Right: 0.375 ± 26.003 χ^2/NDF : 30.0/33

In: 16.566 ± 21.421 χ^2/NDF : 52.7/38

Out: 6.275 ± 21.000 χ^2/NDF : 49.6/42

All: 11.318 ± 14.996 χ^2/NDF : 102.4/81

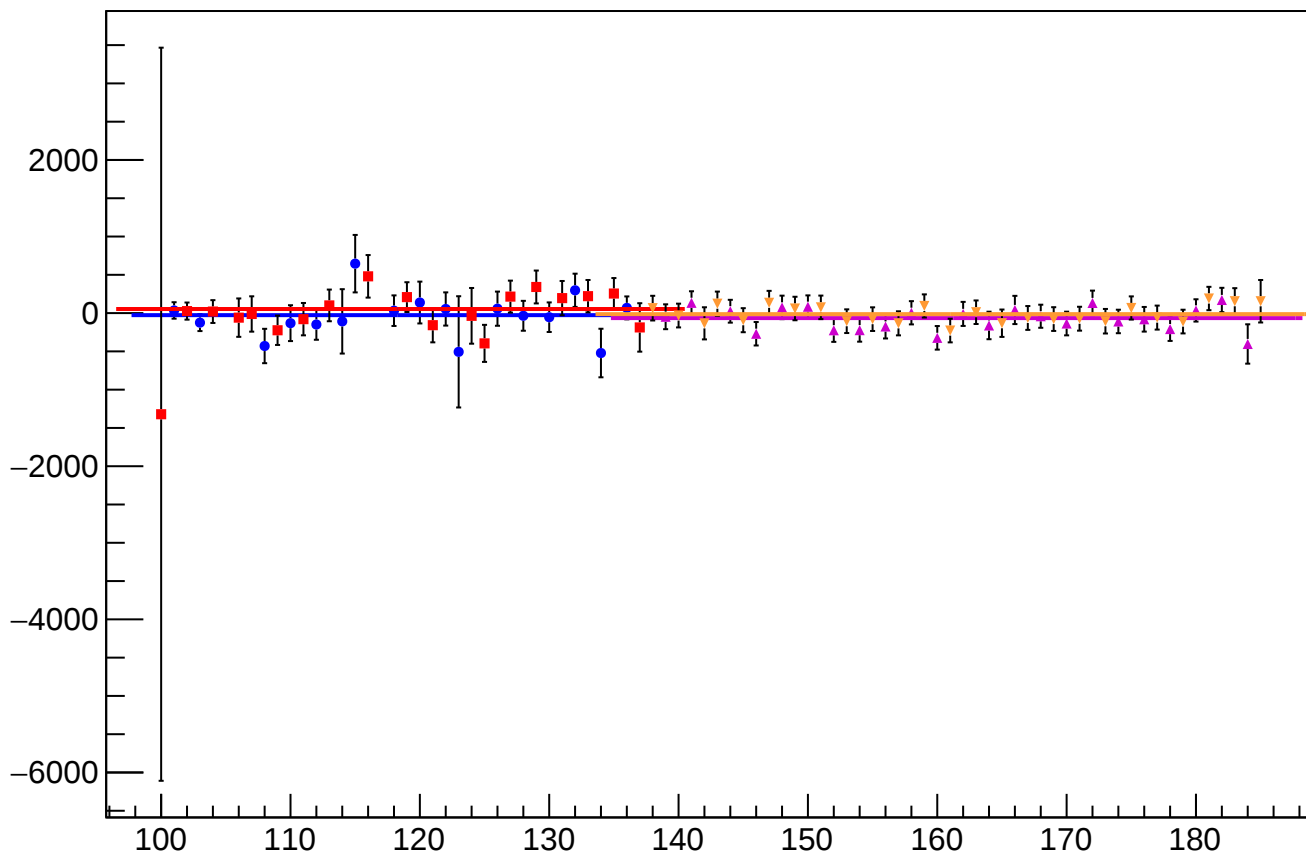
asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.071 $\pm$ 0.026 χ^2 /NDF: 152087.2/15
Left Out: 107.625 $\pm$ 0.018 χ^2 /NDF: 1448572.1/24
Right Out: 96.367 $\pm$ 0.026 χ^2 /NDF: 214243.8/17
Left In: 107.703 $\pm$ 0.019 χ^2 /NDF: 1492338.5/22

Left: 107.663 $\pm$ 0.013 χ^2 /NDF: 2940919.7/47
Right: 95.220 $\pm$ 0.018 χ^2 /NDF: 370227.5/33
In: 103.079 $\pm$ 0.015 χ^2 /NDF: 1825964.5/38
Out: 103.952 $\pm$ 0.015 χ^2 /NDF: 1789159.4/42
All: 103.524 $\pm$ 0.011 χ^2 /NDF: 3616815.6/81

reg_asym_dsr_mean vs Slug, Sign Corrected



Right In: -26.797 $\pm$ 46.841 χ^2 /NDF: 14.4/16

Left Out: -13.672 $\pm$ 32.067 χ^2 /NDF:11.7/24

Right Out: 53.384 $\pm$ 47.775 χ^2 /NDF: 15.4/18

Left In: -65.335 $\pm$ 32.944 χ^2 /NDF:19.3/22

Left: -38.807 $\pm$ 22.978 χ^2 /NDF: 32.3/47

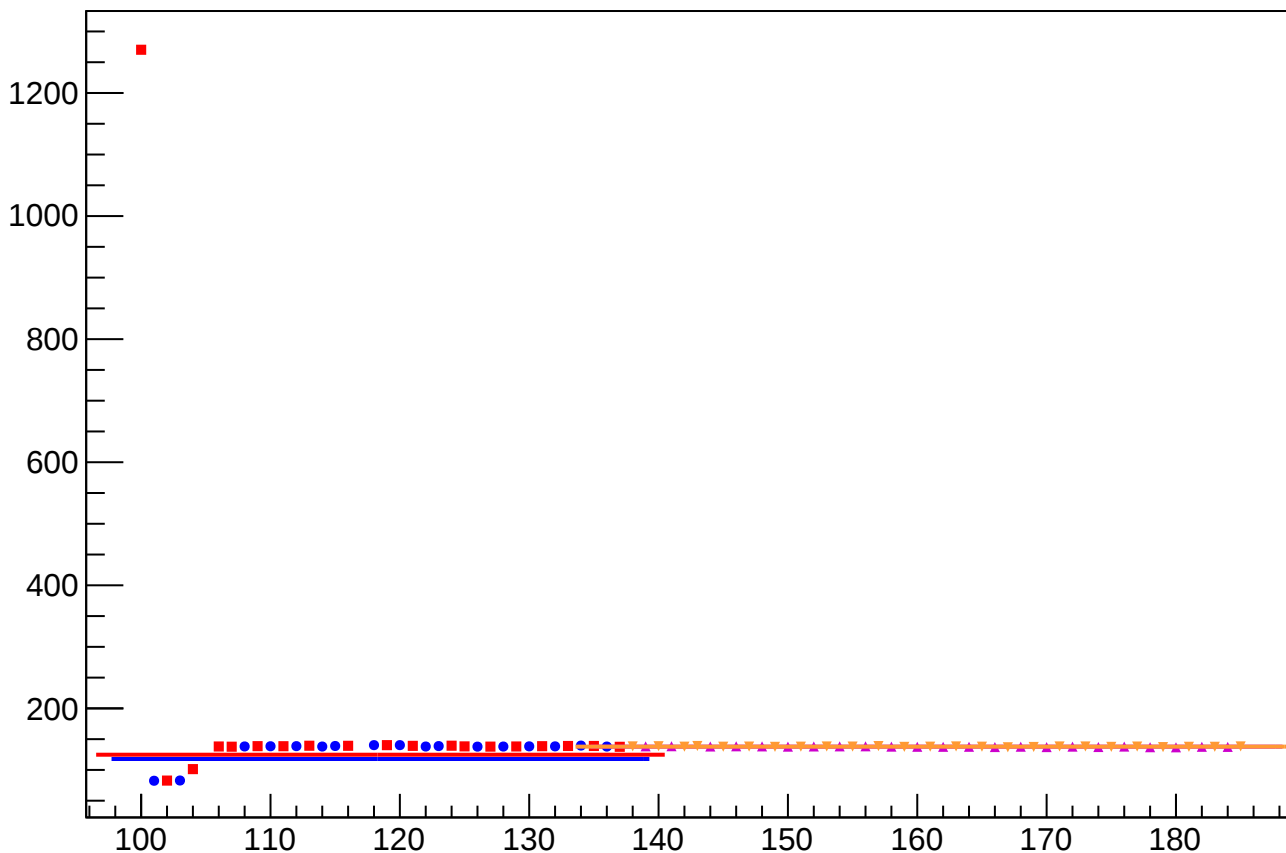
Right: 12.502 $\pm$ 33.447 χ^2 /NDF: 31.3/35

In: -52.581 $\pm$ 26.947 χ^2 /NDF:34.2/39

Out: 7.155 $\pm$ 26.625 χ^2 /NDF:28.5/43

All: -22.355 $\pm$ 18.939 χ^2 /NDF: 65.1/83

reg_asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.762 $\pm$ 0.033 χ^2 /NDF: 665636.8/16

Left Out: 137.857 $\pm$ 0.023 χ^2 /NDF: 442.9/24

Right Out: 124.724 $\pm$ 0.034 χ^2 /NDF: 569285.6/18

Left In: 137.804 $\pm$ 0.023 χ^2 /NDF: 460.3/22

Left: 137.831 $\pm$ 0.016 χ^2 /NDF: 905.8/47

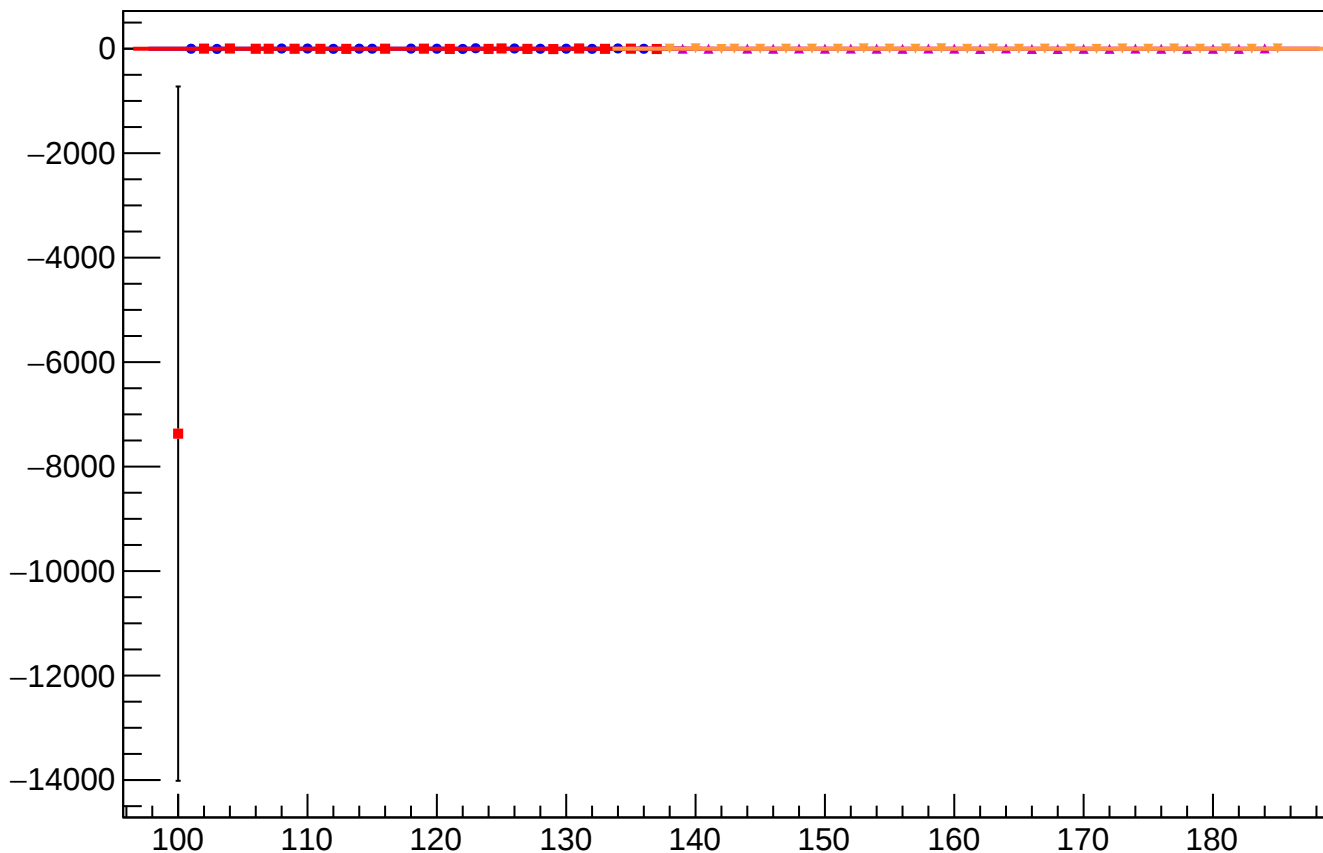
Right: 121.174 $\pm$ 0.024 χ^2 /NDF: 1256581.1/35

In: 131.171 $\pm$ 0.019 χ^2 /NDF: 911091.3/39

Out: 133.778 $\pm$ 0.019 χ^2 /NDF: 673920.5/43

All: 132.490 $\pm$ 0.013 χ^2 /NDF: 1594482.2/83

asym_dsr_correction_mean vs Slug, Sign Corrected



Right In: -0.719 ± 0.810 χ^2/NDF : 12.2/16

Left Out: 0.486 ± 0.572 χ^2/NDF : 29.0/24

Right Out: -0.638 ± 0.852 χ^2/NDF : 14.7/18

Left In: 0.290 ± 0.579 χ^2/NDF : 20.7/22

Left: 0.389 ± 0.407 χ^2/NDF : 49.8/47

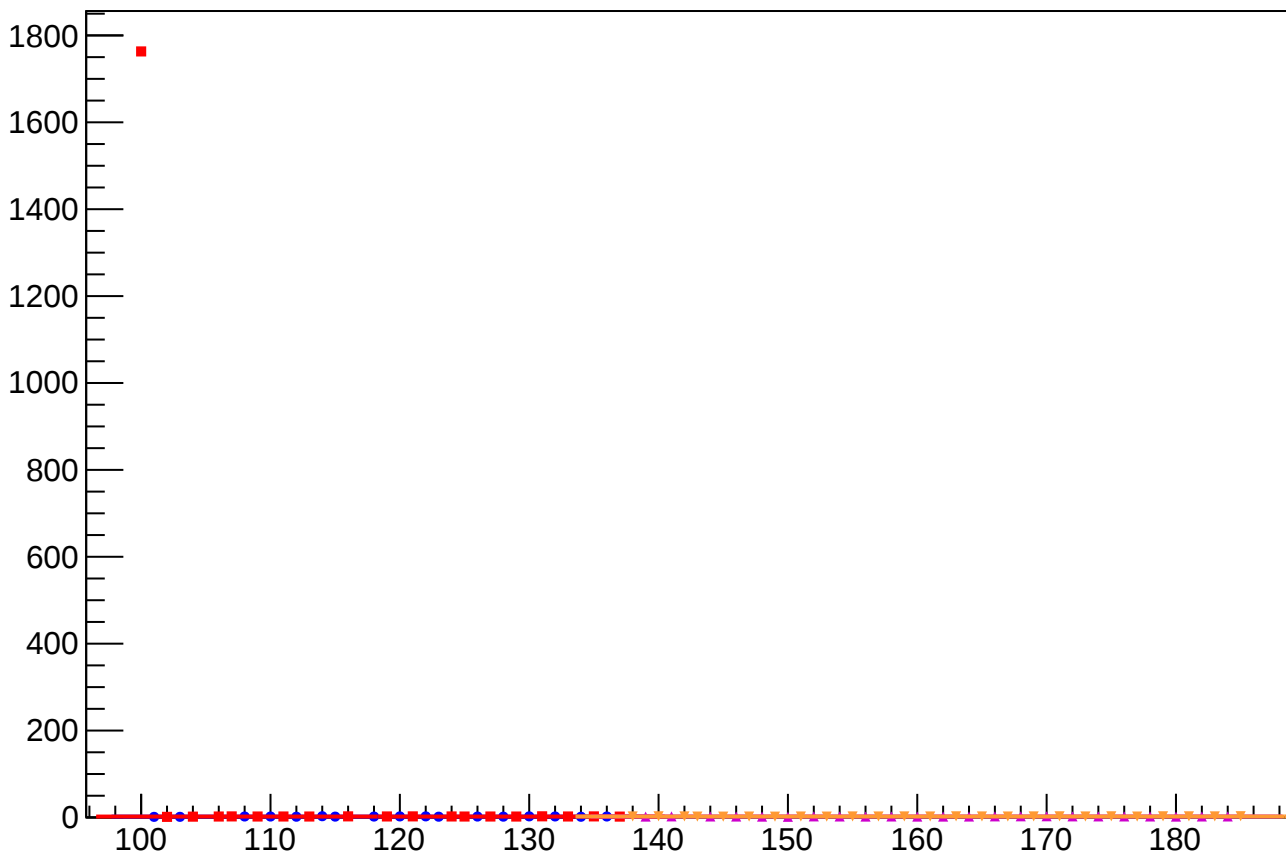
Right: -0.681 ± 0.587 χ^2/NDF : 26.9/35

In: -0.052 ± 0.471 χ^2/NDF : 33.9/39

Out: 0.136 ± 0.475 χ^2/NDF : 44.9/43

All: 0.042 ± 0.334 χ^2/NDF : 78.9/83

asym_dsr_correction_rms vs Slug, Sign Corrected



Right In: 1.865+/-0.001 χ^2/NDF : 489750.7/16

Left Out: 2.262+/-0.000 χ^2/NDF : 374592.8/24

Right Out: 2.064+/-0.001 χ^2/NDF : 521829.5/18

Left In: 2.193+/-0.000 χ^2/NDF : 510890.7/22

Left: 2.228+/-0.000 χ^2/NDF : 899792.4/47

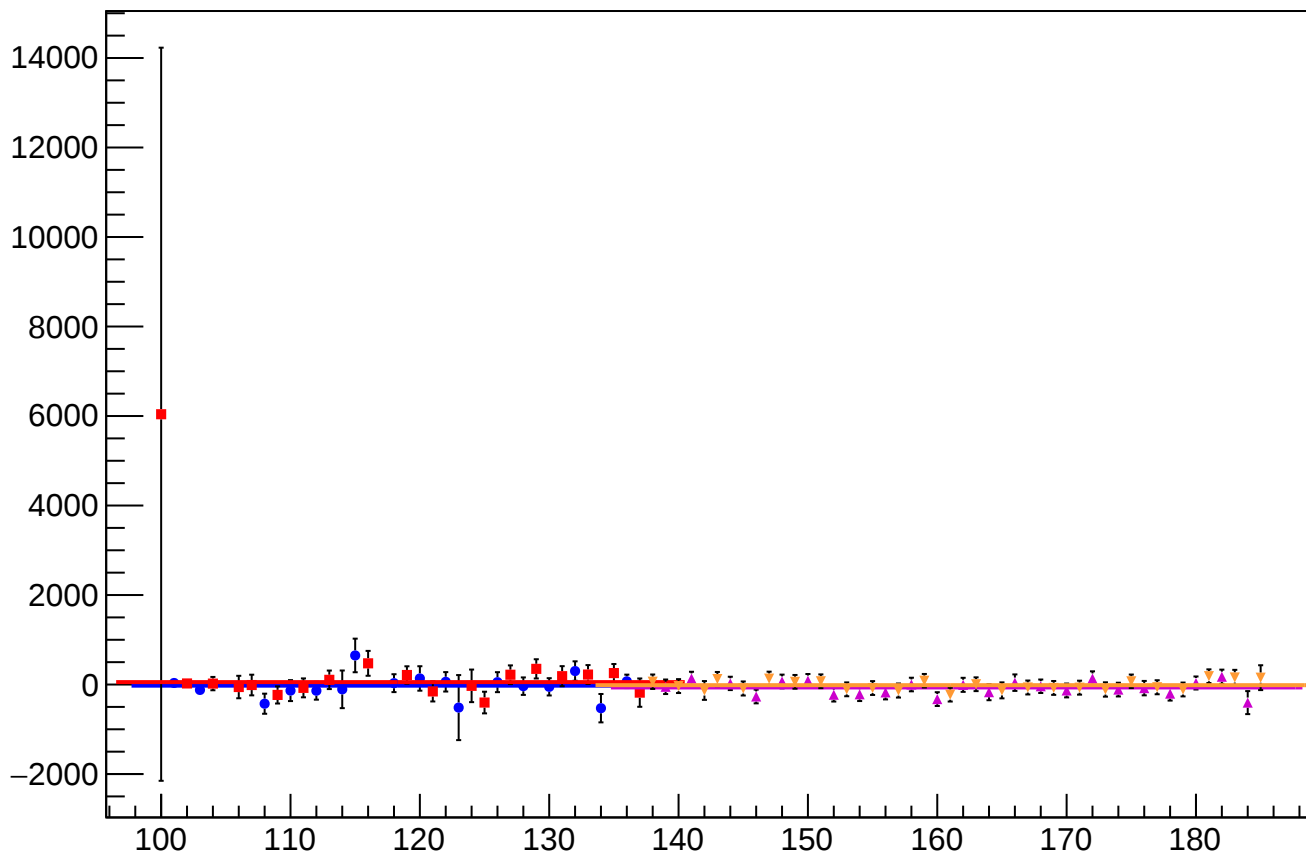
Right: 1.959+/-0.000 χ^2/NDF : 1068448.1/35

In: 2.082+/-0.000 χ^2/NDF : 1217183.0/39

Out: 2.200+/-0.000 χ^2/NDF : 970969.0/43

All: 2.141+/-0.000 χ^2/NDF : 2250442.1/83

asym_dsr_mean vs Slug, Sign Corrected



Right In: -25.059+/-46.854 χ^2/NDF : 14.5/16

Left Out: -14.211+/-32.076 χ^2/NDF : 11.5/24

Right Out: 54.286+/-47.789 χ^2/NDF : 16.1/18

Left In: -65.231+/-32.953 χ^2/NDF : 19.4/22

Left: -39.033+/-22.985 χ^2/NDF : 32.1/47

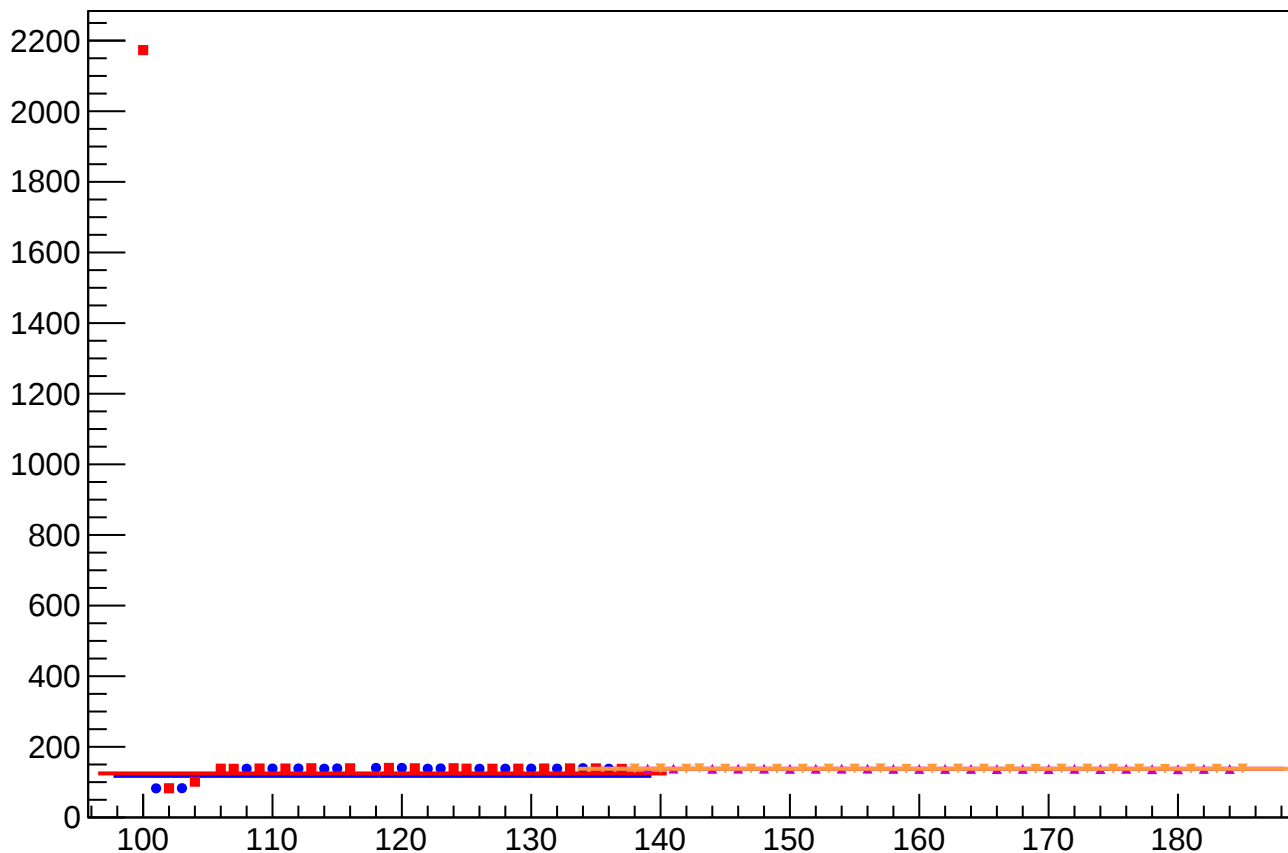
Right: 13.829+/-33.456 χ^2/NDF : 32.0/35

In: -51.936+/-26.954 χ^2/NDF : 34.3/39

Out: 7.064+/-26.633 χ^2/NDF : 29.0/43

All: -22.083+/-18.945 χ^2/NDF : 65.8/83

asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.793+/-0.033 χ^2/NDF : 665675.4/16

Left Out: 137.896+/-0.023 χ^2/NDF : 440.3/24

Right Out: 124.713+/-0.034 χ^2/NDF : 579862.1/18

Left In: 137.843+/-0.023 χ^2/NDF : 457.2/22

Left: 137.870+/-0.016 χ^2/NDF : 900.1/47

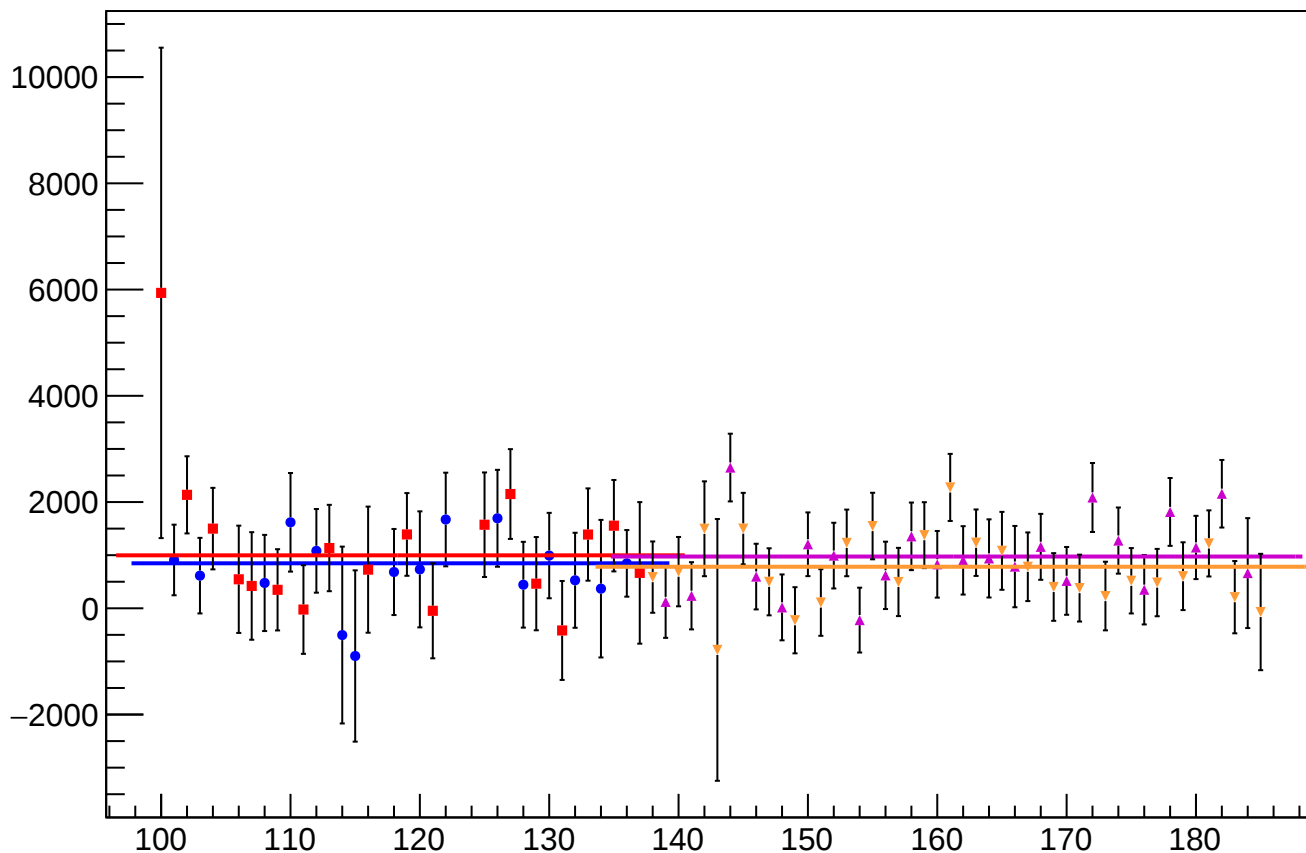
Right: 121.185+/-0.024 χ^2/NDF : 1266918.2/35

In: 131.208+/-0.019 χ^2/NDF : 911165.4/39

Out: 133.801+/-0.019 χ^2/NDF : 685223.1/43

All: 132.520+/-0.013 χ^2/NDF : 1605758.5/83

reg_asym_left_avg_mean vs Slug, Sign Corrected



Right In: 847.032 $\pm$ 216.666 χ^2 /NDF: 5.2/15

Left Out: 781.990 $\pm$ 133.874 χ^2 /NDF: 19.5/24

Right Out: 997.112 $\pm$ 213.264 χ^2 /NDF: 14.0/17

Left In: 974.402 $\pm$ 134.932 χ^2 /NDF: 27.4/22

Left: 877.439 $\pm$ 95.035 χ^2 /NDF: 47.9/47

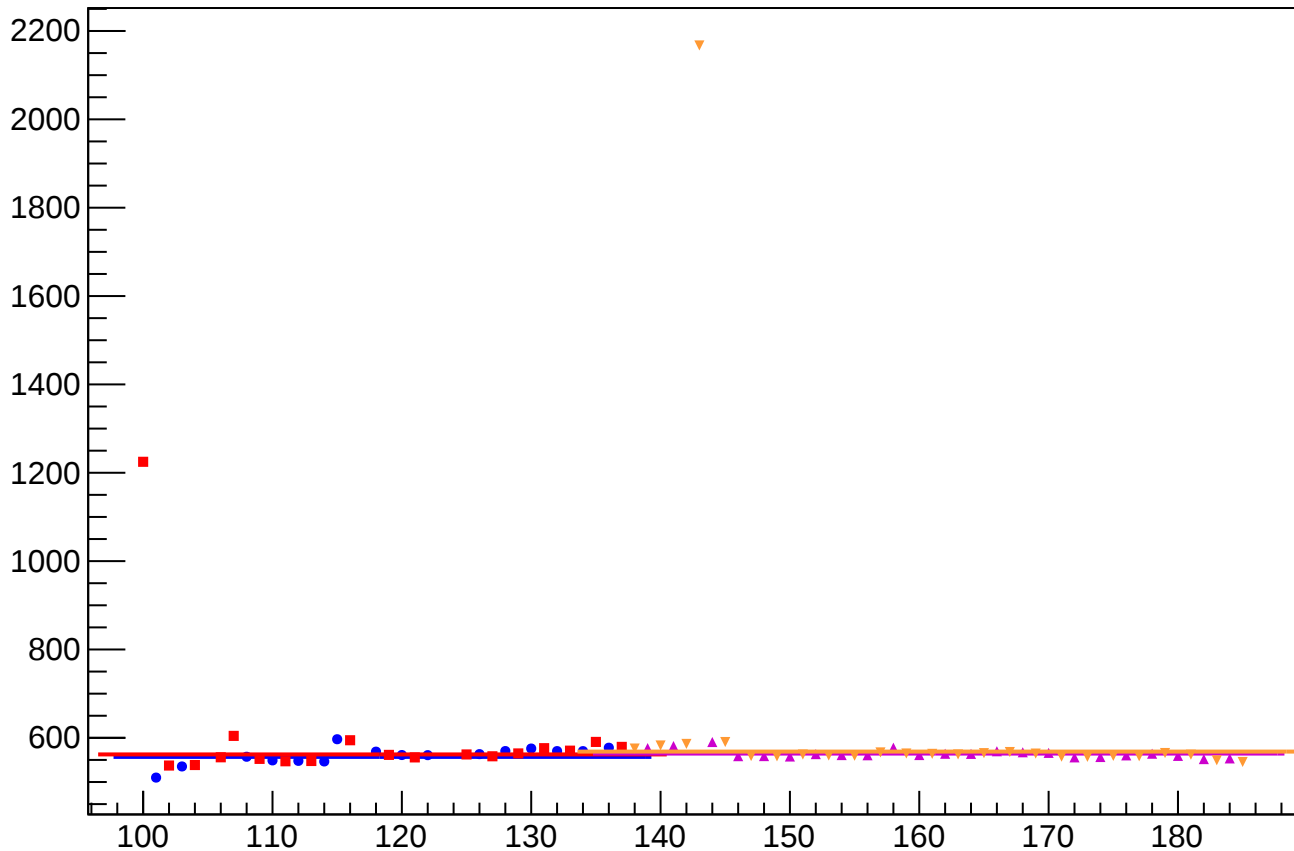
Right: 923.259 $\pm$ 151.989 χ^2 /NDF: 19.5/33

In: 938.808 $\pm$ 114.537 χ^2 /NDF: 32.9/38

Out: 842.798 $\pm$ 113.385 χ^2 /NDF: 34.2/42

All: 890.318 $\pm$ 80.580 χ^2 /NDF: 67.5/81

reg_asym_left_avg_rms vs Slug, Sign Corrected



Right In: 556.871+/-0.153 χ^2/NDF : 18555.7/15

Left Out: 568.879+/-0.095 χ^2/NDF : 853706.3/24

Right Out: 562.460+/-0.151 χ^2/NDF : 55550.6/17

Left In: 564.383+/-0.095 χ^2/NDF : 9209.5/22

Left: 566.649+/-0.067 χ^2/NDF : 864034.8/47

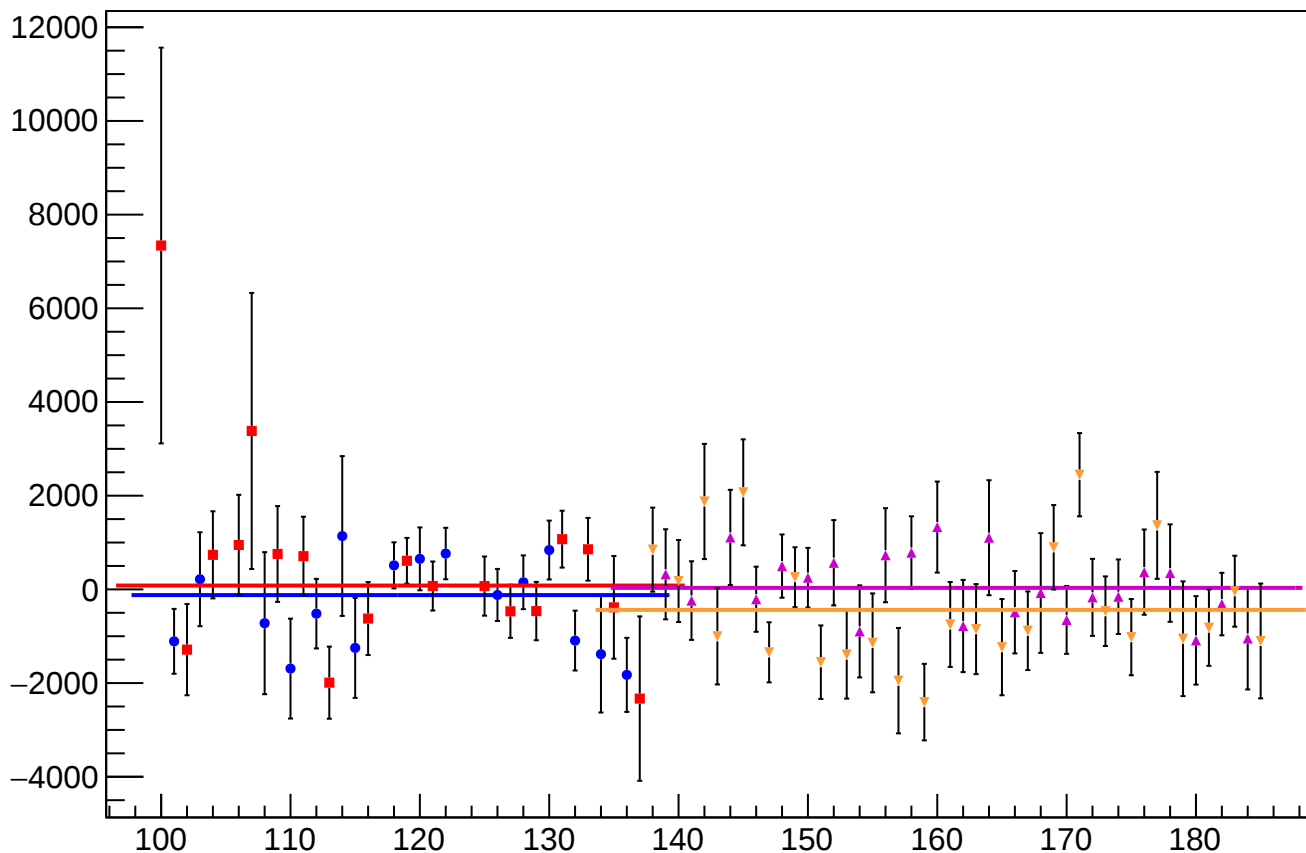
Right: 559.710+/-0.107 χ^2/NDF : 74782.1/33

In: 562.284+/-0.081 χ^2/NDF : 29497.4/38

Out: 567.064+/-0.080 χ^2/NDF : 910556.8/42

All: 564.698+/-0.057 χ^2/NDF : 941813.8/81

asym_left_avg_correction_mean vs Slug, Sign Corrected



Right In: -121.777 $\pm$ 180.788 χ^2 /NDF: 22.6/15

Left Out: -437.220 $\pm$ 177.912 χ^2 /NDF:43.6/24

Right Out: 82.274 $\pm$ 179.330 χ^2 /NDF: 25.3/17

Left In: 32.411 $\pm$ 179.430 χ^2 /NDF:12.2/22

Left: -204.400 $\pm$ 126.336 χ^2 /NDF: 59.2/47

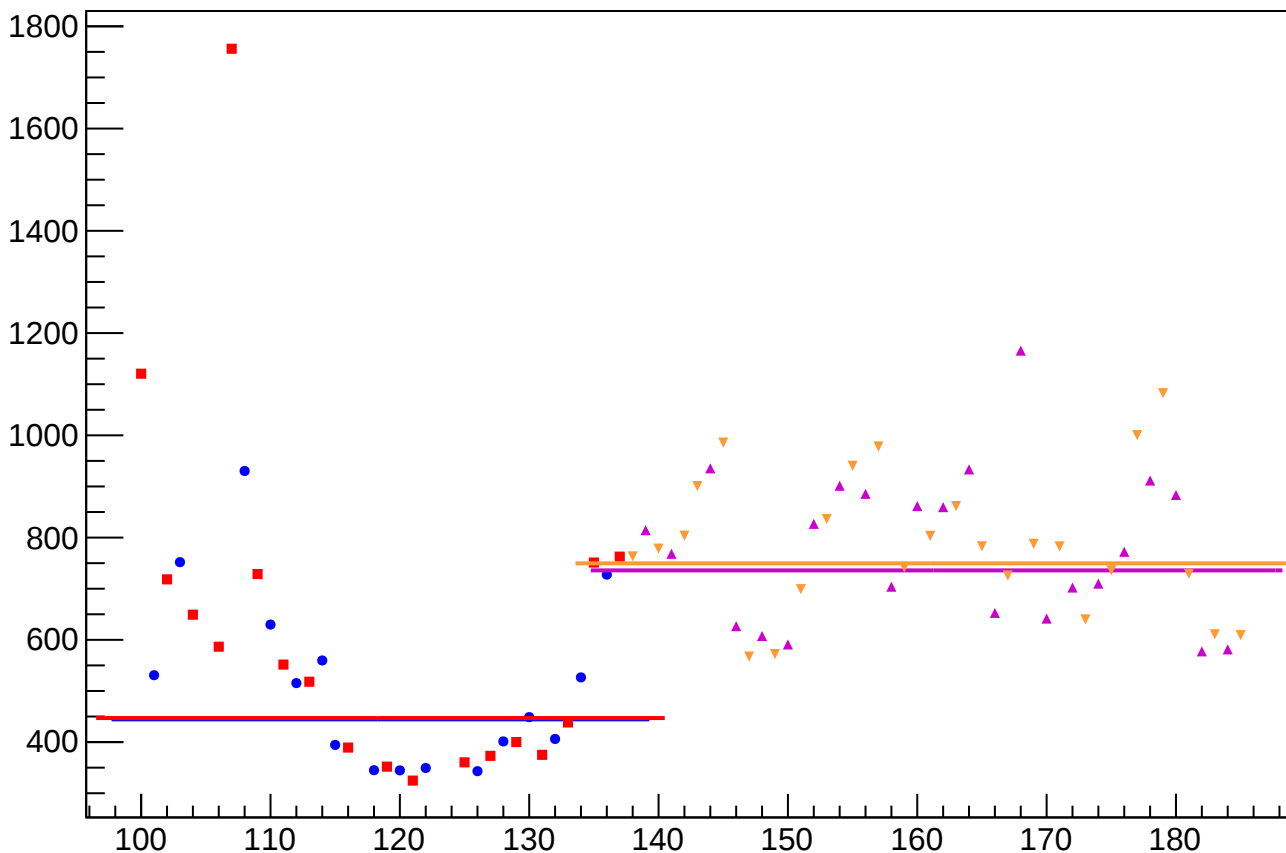
Right: -18.926 $\pm$ 127.318 χ^2 /NDF: 48.5/33

In: -44.102 $\pm$ 127.354 χ^2 /NDF:35.1/38

Out: -179.536 $\pm$ 126.301 χ^2 /NDF:73.1/42

All: -112.381 $\pm$ 89.678 χ^2 /NDF: 108.8/81

asym_left_avg_correction_rms vs Slug, Sign Corrected



Right In: 444.510 $\pm$ 0.128 χ^2 /NDF: 1052706.5/15

Left Out: 749.599 $\pm$ 0.126 χ^2 /NDF:1053473.1/24

Right Out: 447.043 $\pm$ 0.127 χ^2 /NDF: 1454919.9/17

Left In: 735.850 $\pm$ 0.127 χ^2 /NDF:1105405.5/22

Left: 742.783 $\pm$ 0.089 χ^2 /NDF: 2164799.6/47

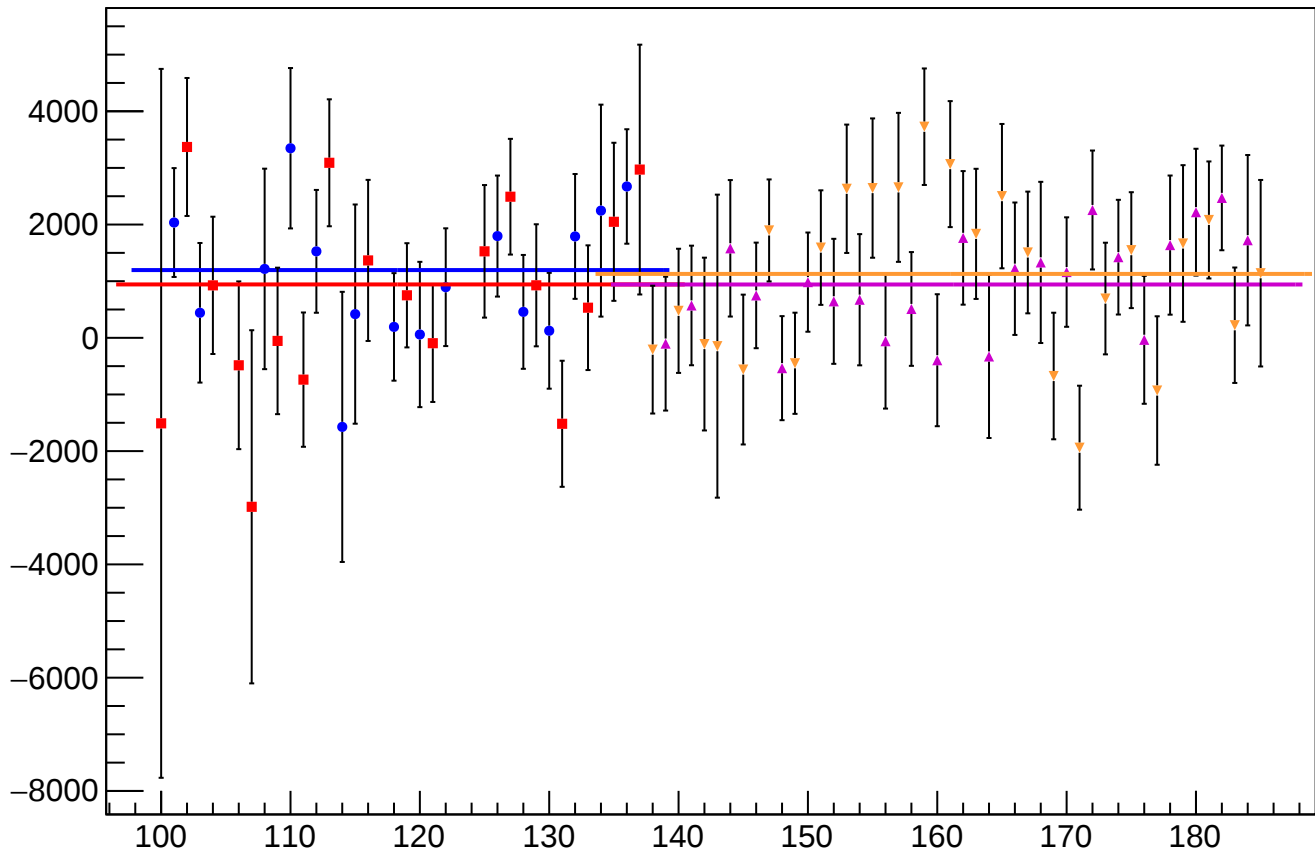
Right: 445.787 $\pm$ 0.090 χ^2 /NDF: 2507824.2/33

In: 591.278 $\pm$ 0.090 χ^2 /NDF:4774623.0/38

Out: 599.522 $\pm$ 0.089 χ^2 /NDF:5377456.2/42

All: 595.434 $\pm$ 0.063 χ^2 /NDF: 10156304.5/81

asym_left_avg_mean vs Slug, Sign Corrected



Right In: 1196.174 $\pm$ 296.098 χ^2/NDF : 11.7/15

Left Out: 1128.360 $\pm$ 228.037 χ^2/NDF : 39.1/24

Right Out: 942.782 $\pm$ 294.221 χ^2/NDF : 23.1/17

Left In: 941.702 $\pm$ 228.324 χ^2/NDF : 14.8/22

Left: 1035.149 $\pm$ 161.348 χ^2/NDF : 54.2/47

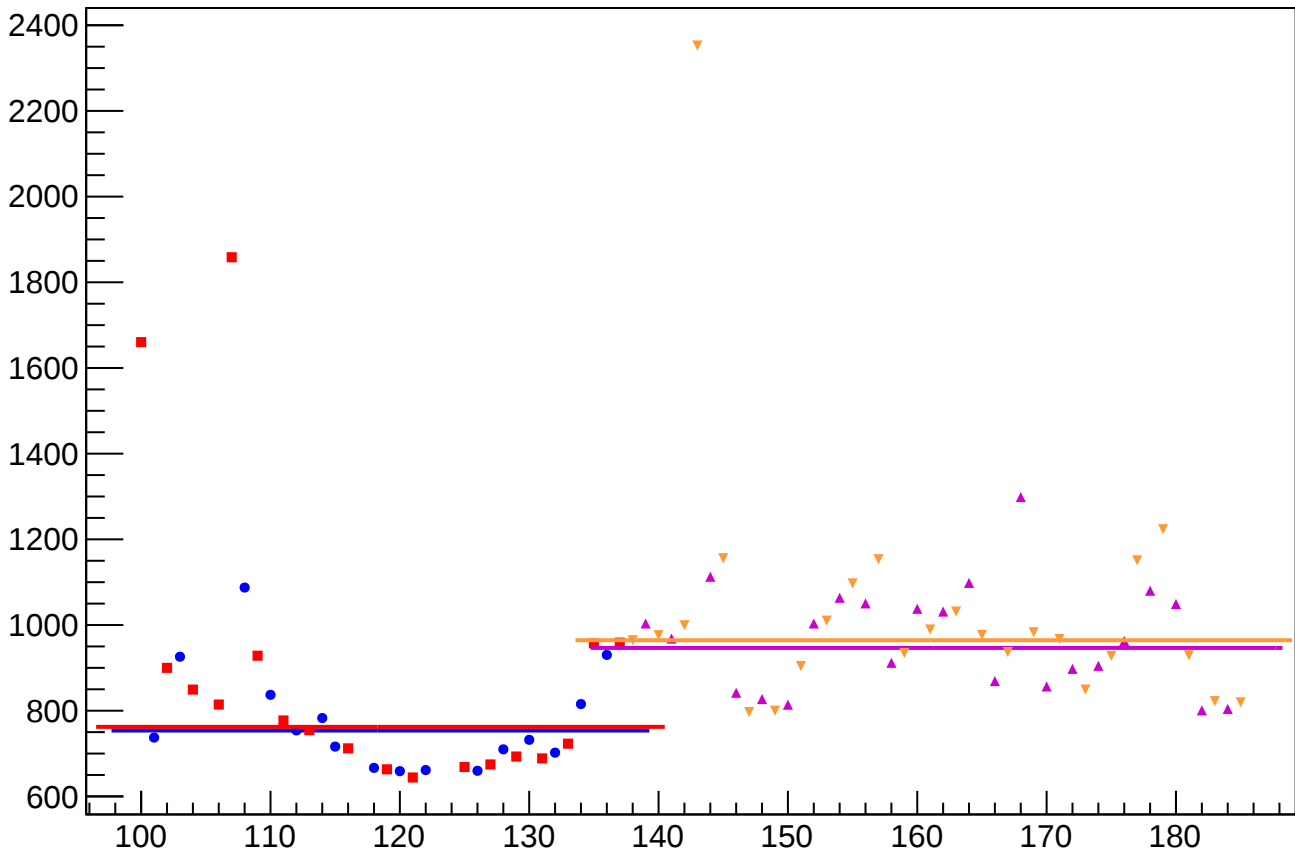
Right: 1068.673 $\pm$ 208.706 χ^2/NDF : 35.2/33

In: 1036.591 $\pm$ 180.811 χ^2/NDF : 27.0/38

Out: 1058.717 $\pm$ 180.239 χ^2/NDF : 62.5/42

All: 1047.689 $\pm$ 127.650 χ^2/NDF : 89.4/81

asym_left_avg_rms vs Slug, Sign Corrected



Right In: 753.808 $\pm$ 0.209 χ^2/NDF : 250129.9/15

Left Out: 964.520 $\pm$ 0.161 χ^2/NDF :1002712.6/24

Right Out: 762.317 $\pm$ 0.208 χ^2/NDF : 513801.4/17

Left In: 946.573 $\pm$ 0.161 χ^2/NDF :501366.9/22

Left: 955.557 $\pm$ 0.114 χ^2/NDF : 1510265.6/47

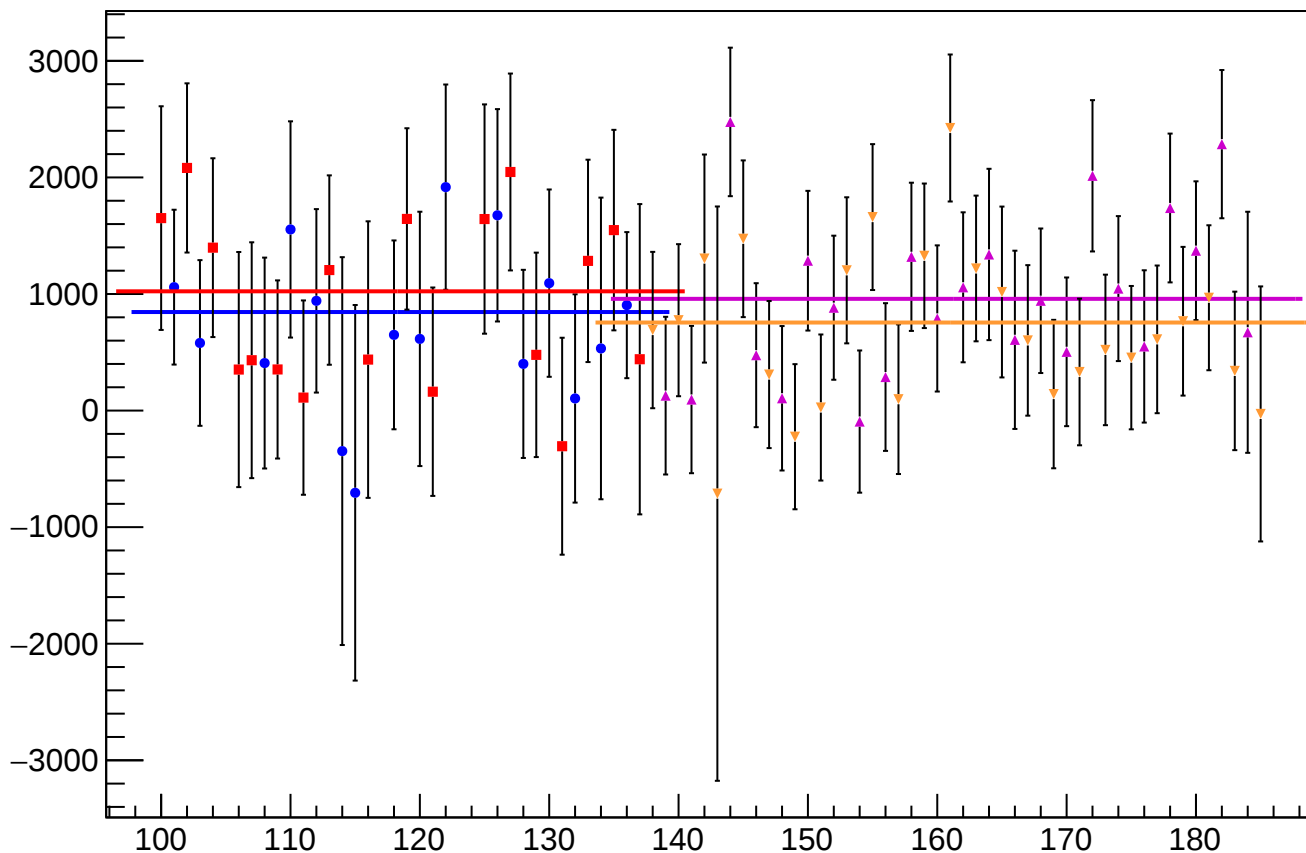
Right: 758.089 $\pm$ 0.148 χ^2/NDF : 764762.2/33

In: 874.693 $\pm$ 0.128 χ^2/NDF :1283065.3/38

Out: 888.638 $\pm$ 0.127 χ^2/NDF :2106640.9/42

All: 881.688 $\pm$ 0.090 χ^2/NDF : 3395672.8/81

reg_asym_left_dd_mean vs Slug, Sign Corrected



Right In: 845.362 $\pm$ 216.498 χ^2 /NDF: 6.1/15

Left Out: 755.316 $\pm$ 133.763 χ^2 /NDF: 21.3/24

Right Out: 1023.052 $\pm$ 208.229 χ^2 /NDF: 12.4/17

Left In: 958.517 $\pm$ 134.824 χ^2 /NDF: 26.8/22

Left: 856.113 $\pm$ 94.958 χ^2 /NDF: 49.3/47

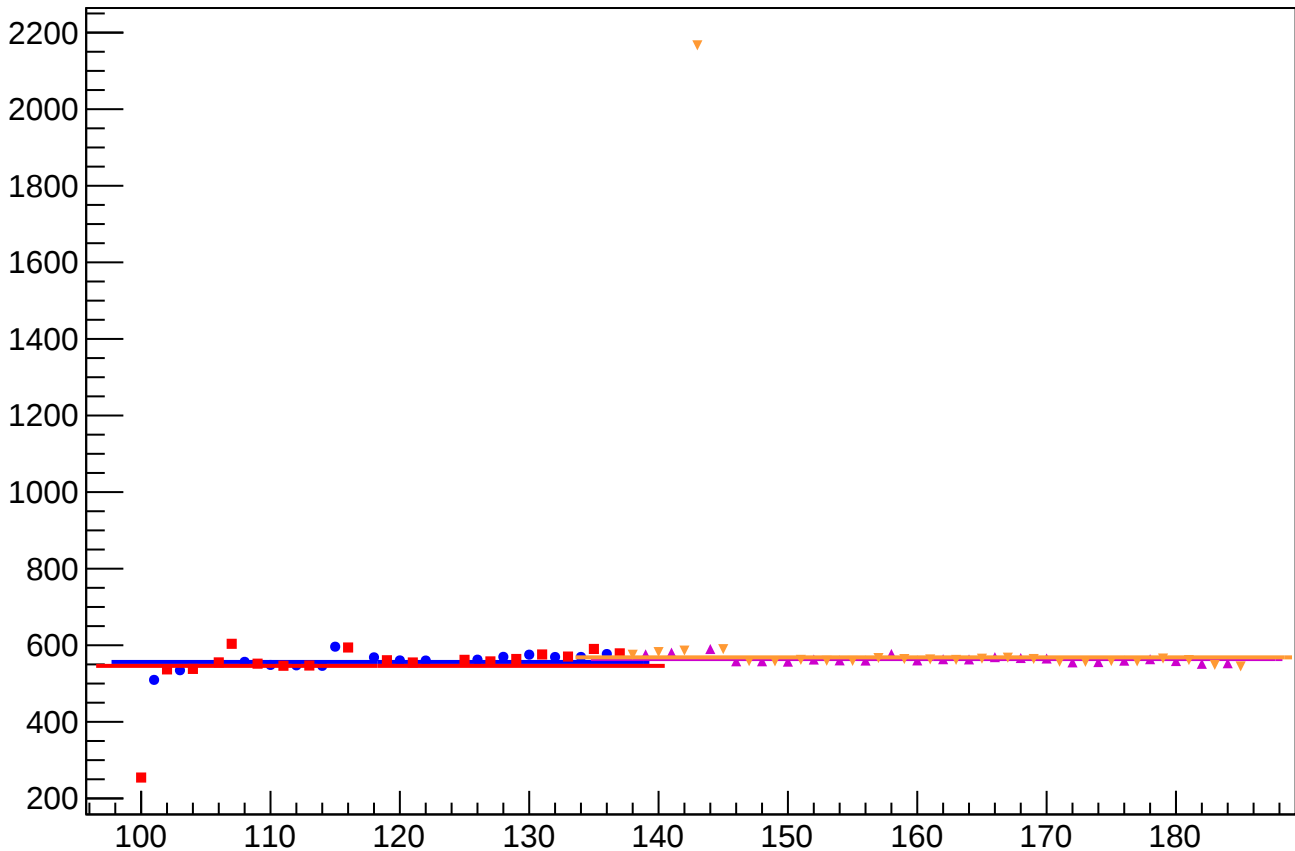
Right: 937.665 $\pm$ 150.078 χ^2 /NDF: 18.8/33

In: 926.896 $\pm$ 114.446 χ^2 /NDF: 33.1/38

Out: 833.525 $\pm$ 112.543 χ^2 /NDF: 34.8/42

All: 879.428 $\pm$ 80.244 χ^2 /NDF: 68.3/81

reg_asym_left_dd_rms vs Slug, Sign Corrected



Right In: 556.437+/-0.153 χ^2/NDF : 18580.5/15

Left Out: 568.404+/-0.095 χ^2/NDF : 854004.7/24

Right Out: 546.163+/-0.147 χ^2/NDF : 208134.5/17

Left In: 563.934+/-0.095 χ^2/NDF : 9204.6/22

Left: 566.187+/-0.067 χ^2/NDF : 864317.4/47

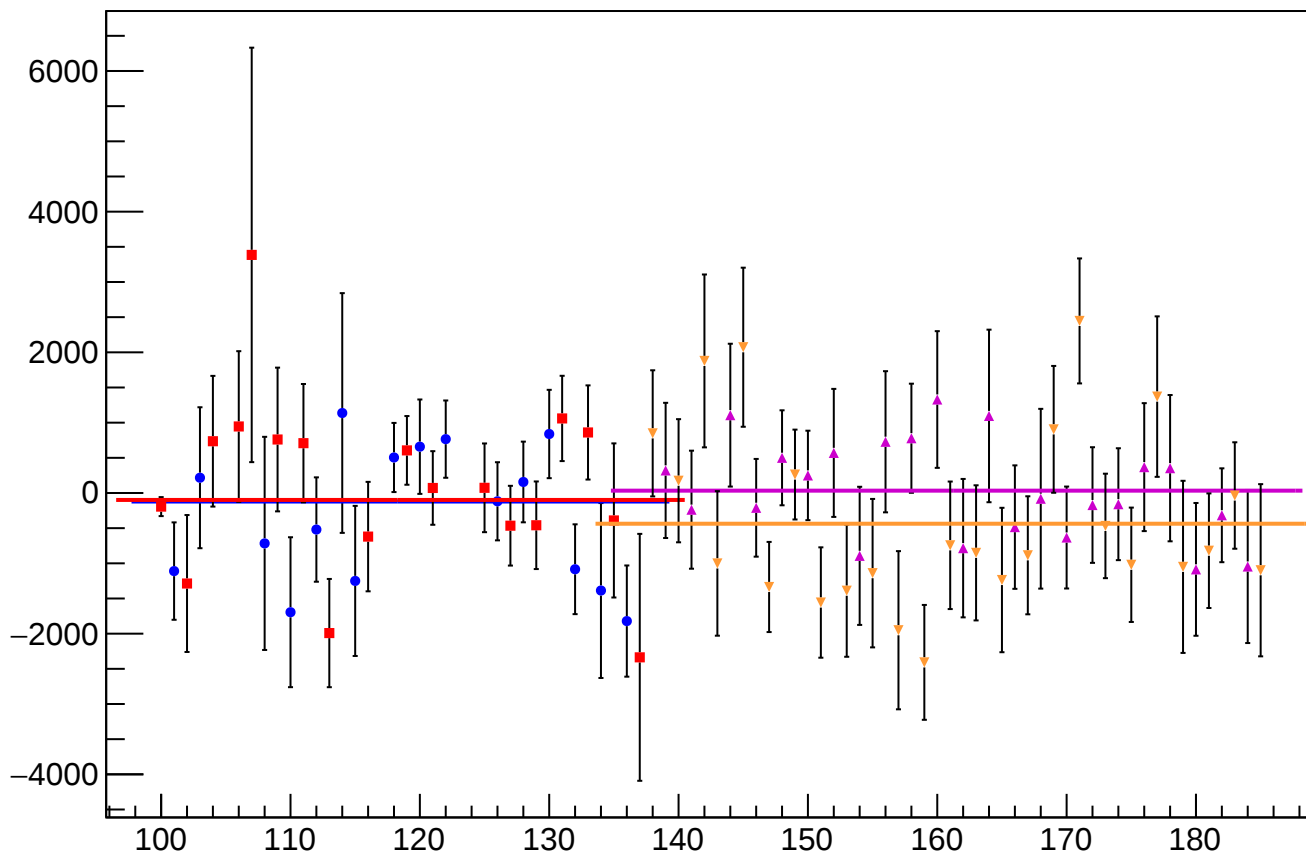
Right: 551.100+/-0.106 χ^2/NDF : 229054.7/33

In: 561.839+/-0.081 χ^2/NDF : 29513.1/38

Out: 561.907+/-0.080 χ^2/NDF : 1078291.4/42

All: 561.874+/-0.057 χ^2/NDF : 1107805.0/81

asym_left_dd_correction_mean vs Slug, Sign Corrected



Right In: -121.208 $\pm$ 180.699 χ^2 /NDF: 22.5/15

Left Out: -436.865 $\pm$ 177.836 χ^2 /NDF: 43.6/24

Right Out: -98.790 $\pm$ 107.853 χ^2 /NDF: 23.7/17

Left In: 33.325 $\pm$ 179.355 χ^2 /NDF: 12.1/22

Left: -203.770 $\pm$ 126.283 χ^2 /NDF: 59.2/47

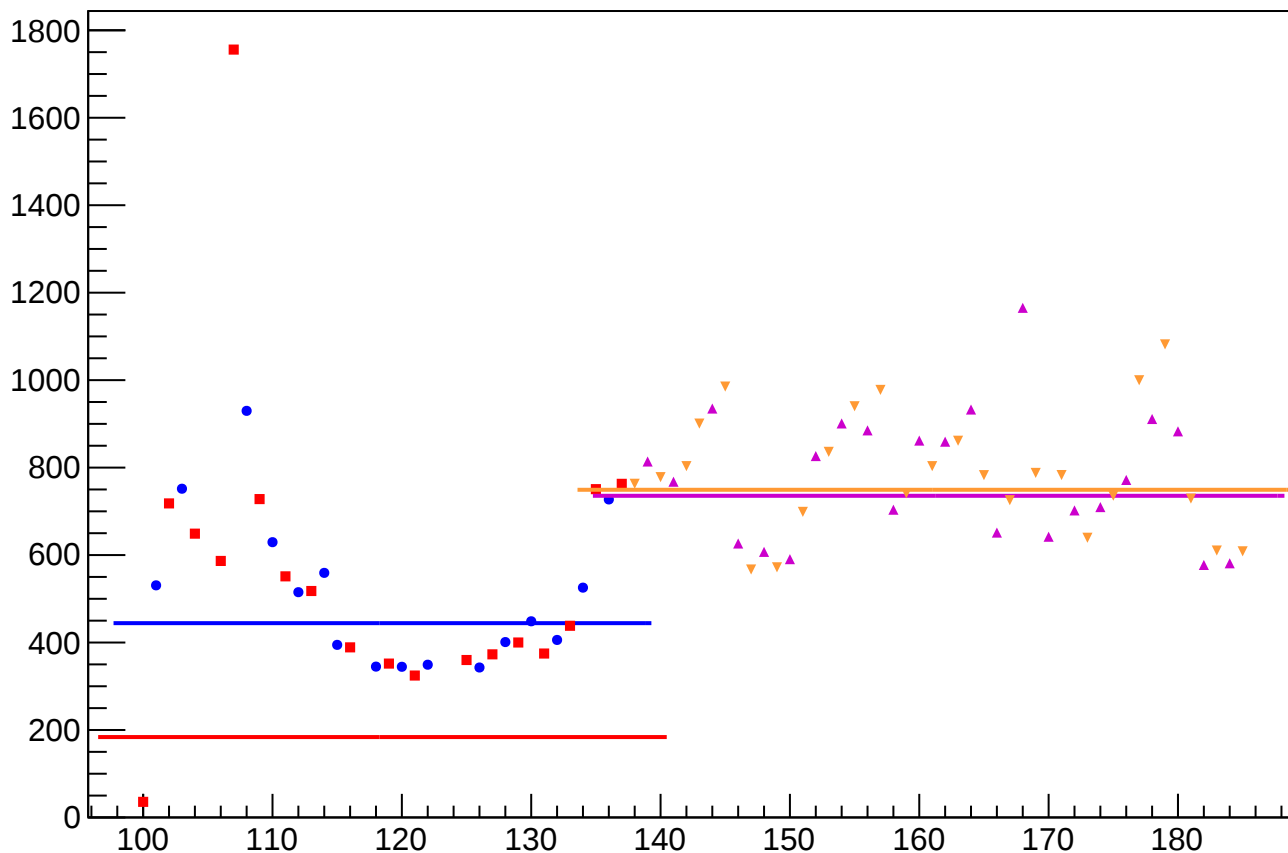
Right: -104.679 $\pm$ 92.611 χ^2 /NDF: 46.2/33

In: -43.364 $\pm$ 127.296 χ^2 /NDF: 35.0/38

Out: -189.700 $\pm$ 92.218 χ^2 /NDF: 70.0/42

All: -139.334 $\pm$ 74.681 χ^2 /NDF: 105.8/81

asym_left_dd_correction_rms vs Slug, Sign Corrected



Right In: 444.298+/-0.128 χ^2/NDF : 1052547.8/15

Left Out: 749.289+/-0.126 χ^2/NDF : 1054385.9/24

Right Out: 183.834+/-0.076 χ^2/NDF : 8072183.4/17

Left In: 735.543+/-0.127 χ^2/NDF : 1105222.3/22

Left: 742.475+/-0.089 χ^2/NDF : 2165532.4/47

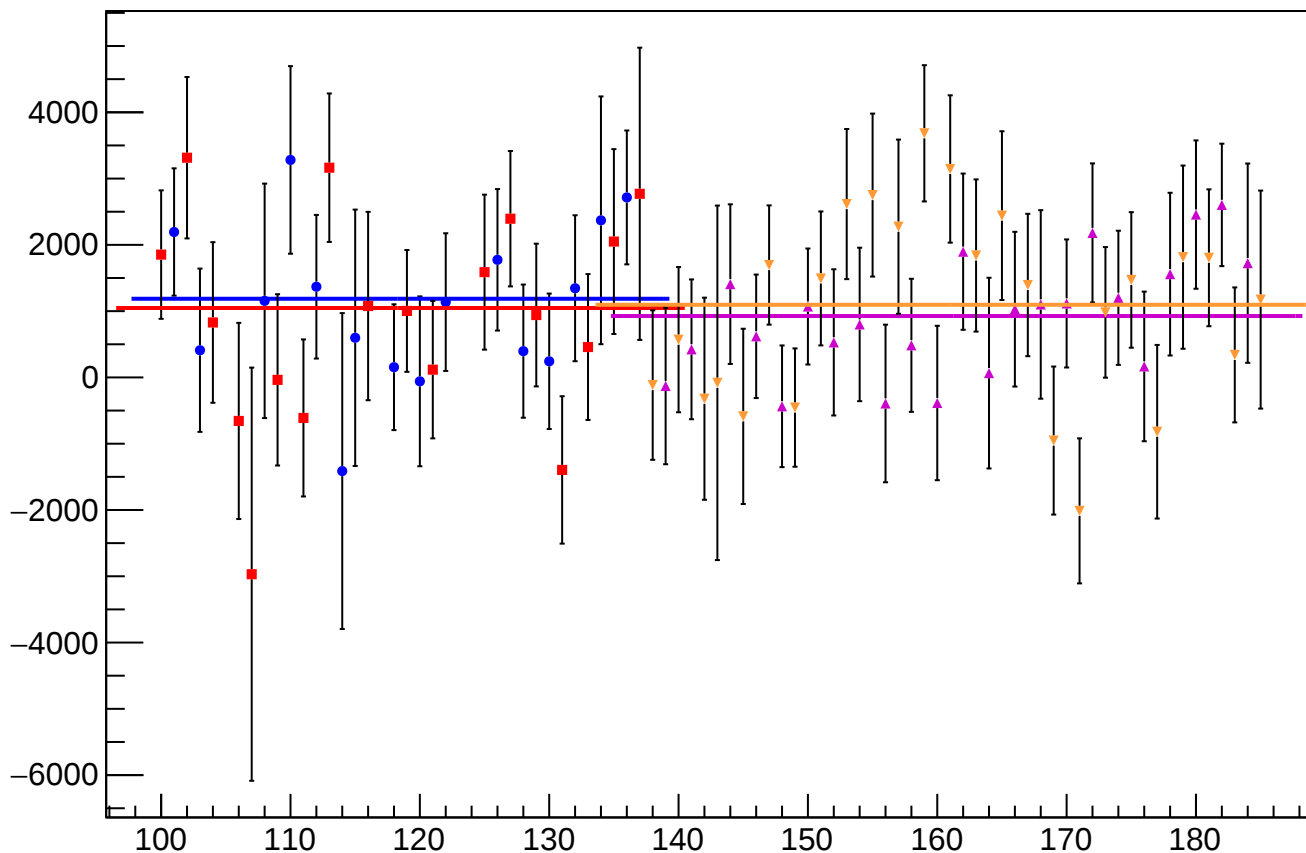
Right: 252.250+/-0.065 χ^2/NDF : 12188638.4/33

In: 591.008+/-0.090 χ^2/NDF : 4774953.1/38

Out: 335.886+/-0.065 χ^2/NDF : 23909572.2/42

All: 423.695+/-0.053 χ^2/NDF : 33952904.8/83

asym_left_dd_mean vs Slug, Sign Corrected



Right In: 1186.962 $\pm$ 295.897 χ^2/NDF : 11.6/15

Left Out: 1096.004 $\pm$ 227.904 χ^2/NDF : 38.5/24

Right Out: 1047.656 $\pm$ 281.637 χ^2/NDF : 22.4/17

Left In: 926.281 $\pm$ 228.196 χ^2/NDF : 15.1/22

Left: 1011.251 $\pm$ 161.256 χ^2/NDF : 53.9/47

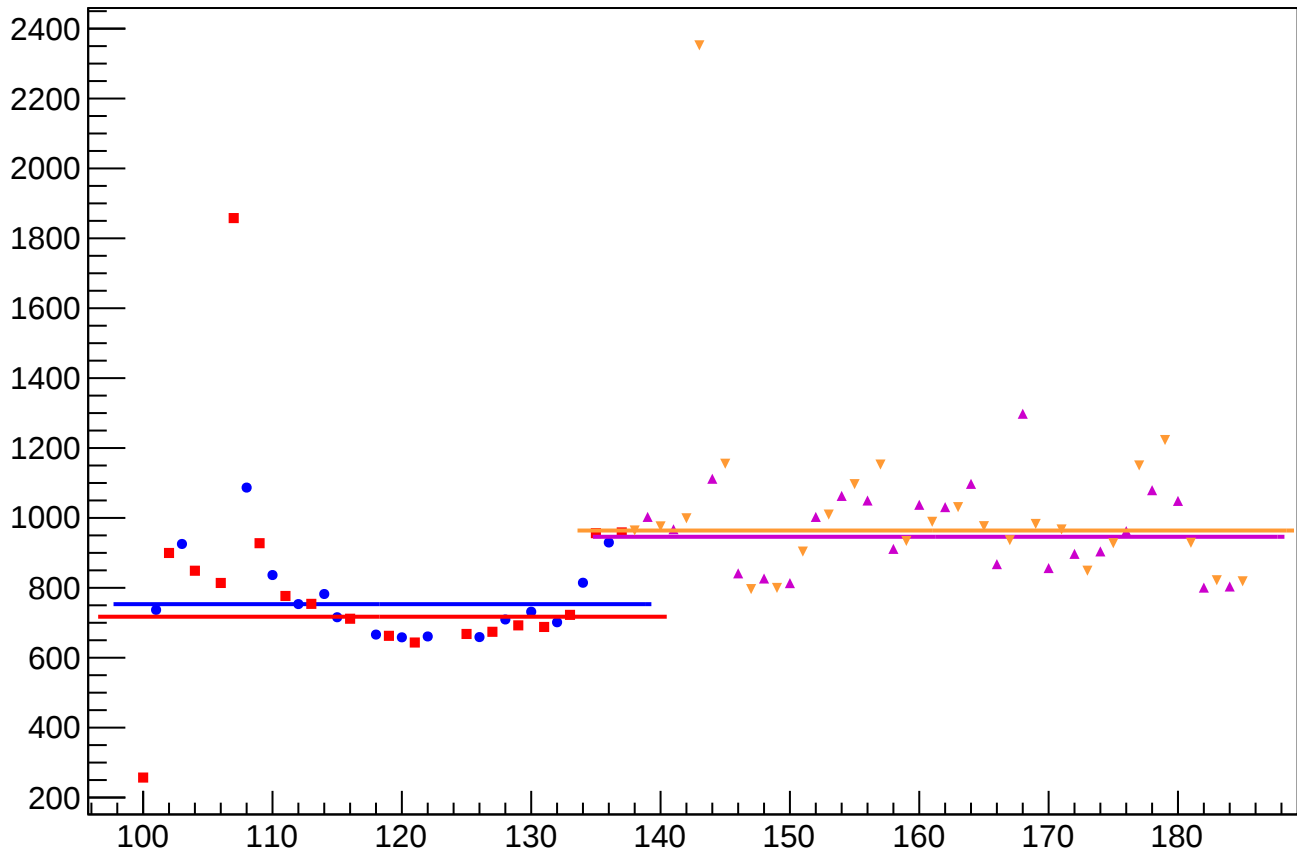
Right: 1113.871 $\pm$ 204.002 χ^2/NDF : 34.2/33

In: 1023.500 $\pm$ 180.702 χ^2/NDF : 27.2/38

Out: 1076.872 $\pm$ 177.164 χ^2/NDF : 60.9/42

All: 1050.714 $\pm$ 126.506 χ^2/NDF : 88.2/81

asym_left_dd_rms vs Slug, Sign Corrected



Right In: 753.290+/-0.209 χ^2/NDF : 250330.3/15

Left Out: 963.959+/-0.161 χ^2/NDF :1003052.6/24

Right Out: 717.327+/-0.199 χ^2/NDF : 965686.8/17

Left In: 946.041+/-0.161 χ^2/NDF :501442.7/22

Left: 955.012+/-0.114 χ^2/NDF : 1510668.9/47

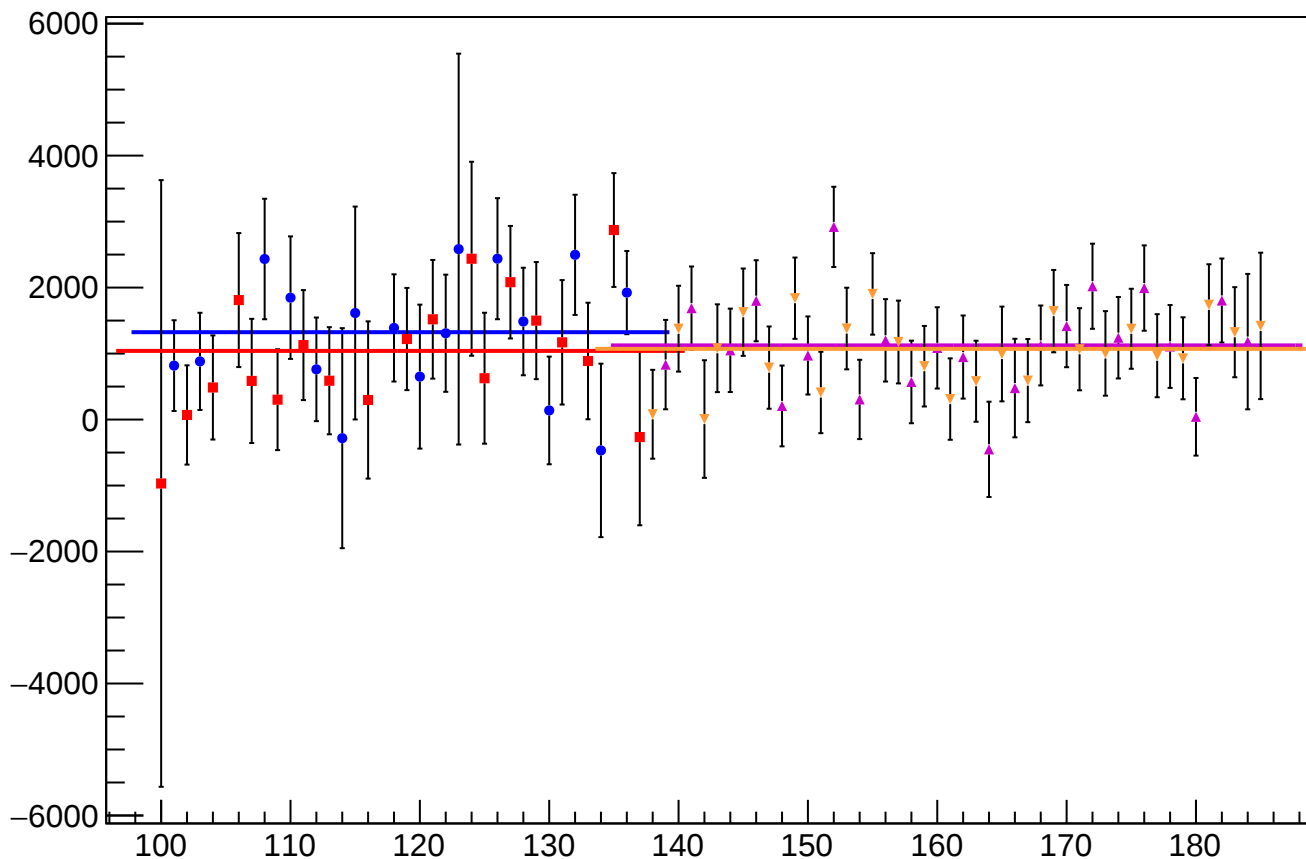
Right: 734.421+/-0.144 χ^2/NDF : 1231518.2/33

In: 874.156+/-0.128 χ^2/NDF :1283937.1/38

Out: 866.365+/-0.125 χ^2/NDF :2895567.4/42

All: 870.184+/-0.089 χ^2/NDF : 4181399.8/81

reg_asym_right_avg_mean vs Slug, Sign Corrected



Right In: 1324.051 $\pm$ 218.600 χ^2 /NDF: 12.8/16

Left Out: 1071.517 $\pm$ 129.706 χ^2 /NDF:15.1/24

Right Out: 1040.501 $\pm$ 212.080 χ^2 /NDF: 13.5/18

Left In: 1123.857 $\pm$ 133.163 χ^2 /NDF:30.0/22

Left: 1096.998 $\pm$ 92.914 χ^2 /NDF: 45.2/47

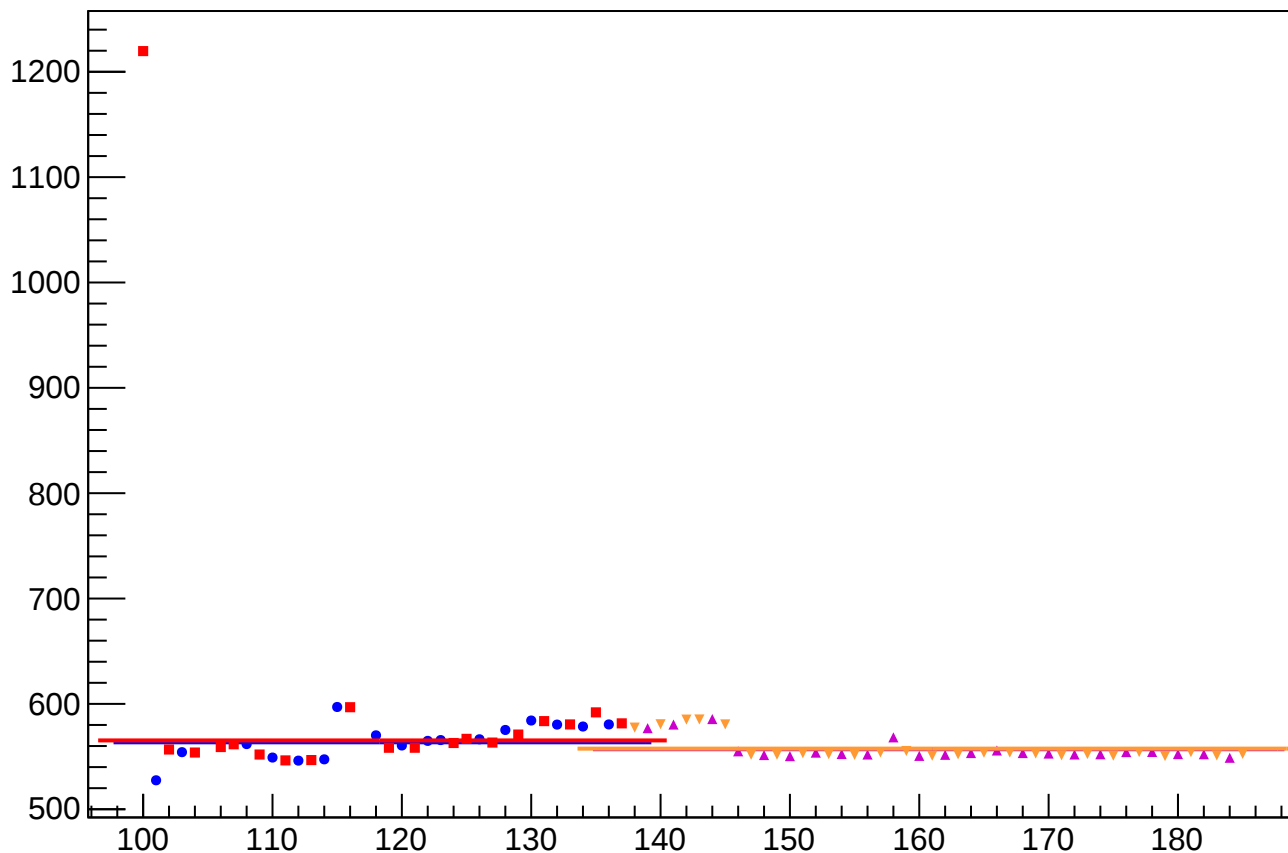
Right: 1177.984 $\pm$ 152.216 χ^2 /NDF: 27.2/35

In: 1178.039 $\pm$ 113.724 χ^2 /NDF:43.4/39

Out: 1063.074 $\pm$ 110.652 χ^2 /NDF:28.6/43

All: 1118.983 $\pm$ 79.307 χ^2 /NDF: 72.5/83

reg_asym_right_avg_rms vs Slug, Sign Corrected



Right In: 563.522 $\pm$ 0.155 χ^2 /NDF: 12614.9/16

Left Out: 557.534 $\pm$ 0.092 χ^2 /NDF:14754.9/24

Right Out: 565.327 $\pm$ 0.150 χ^2 /NDF: 49346.9/18

Left In: 556.969 $\pm$ 0.094 χ^2 /NDF:11209.7/22

Left: 557.259 $\pm$ 0.066 χ^2 /NDF: 25983.0/47

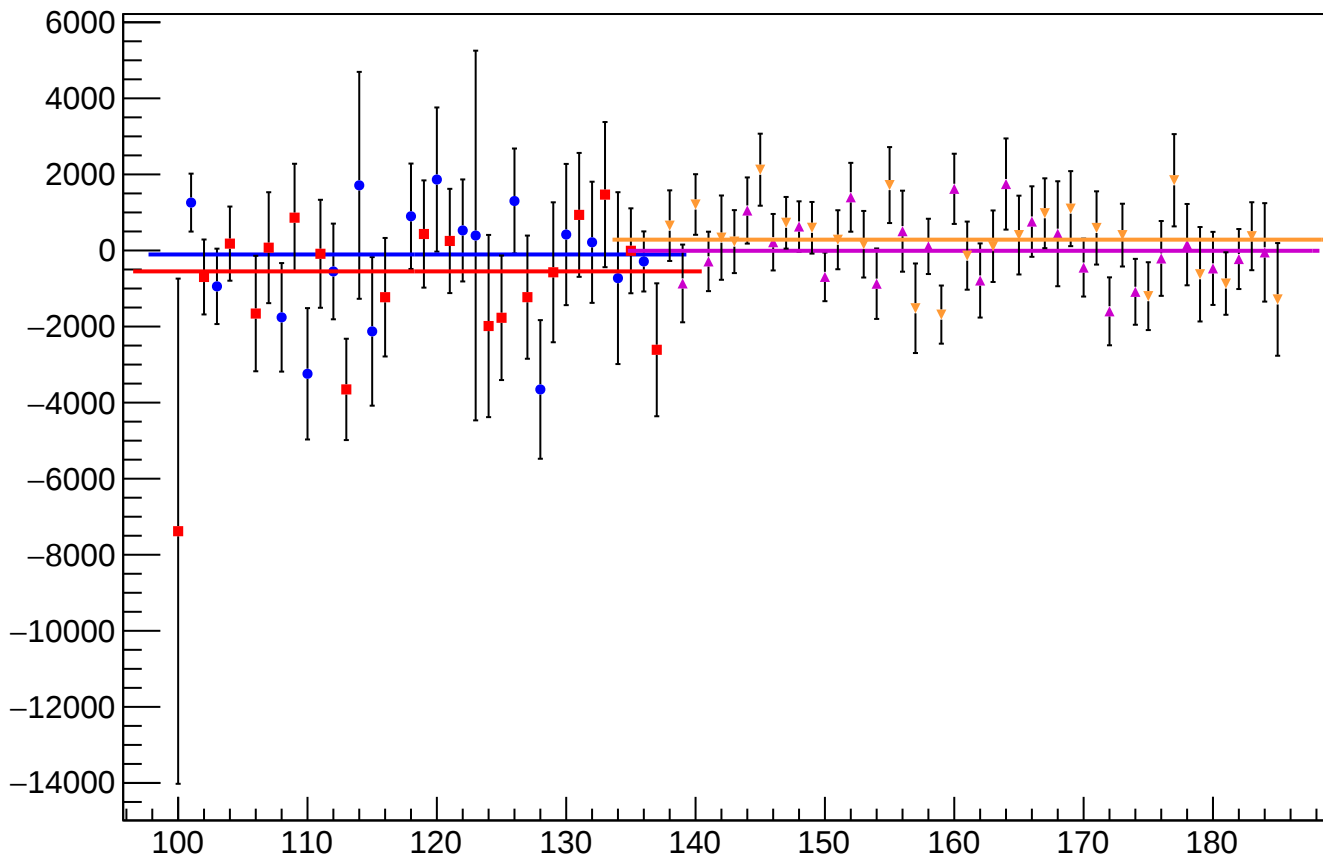
Right: 564.452 $\pm$ 0.108 χ^2 /NDF: 62032.1/35

In: 558.743 $\pm$ 0.080 χ^2 /NDF:25135.4/39

Out: 559.655 $\pm$ 0.078 χ^2 /NDF:66067.5/43

All: 559.211 $\pm$ 0.056 χ^2 /NDF: 91269.0/83

asym_right_avg_correction_mean vs Slug, Sign Corrected



Right In: -104.813 ± 328.267 χ^2/NDF : 17.0/16

Left Out: 284.648 ± 180.442 χ^2/NDF : 26.7/24

Right Out: -549.627 ± 332.981 χ^2/NDF : 14.6/18

Left In: -8.211 ± 183.382 χ^2/NDF : 20.2/22

Left: 140.585 ± 128.618 χ^2/NDF : 48.2/47

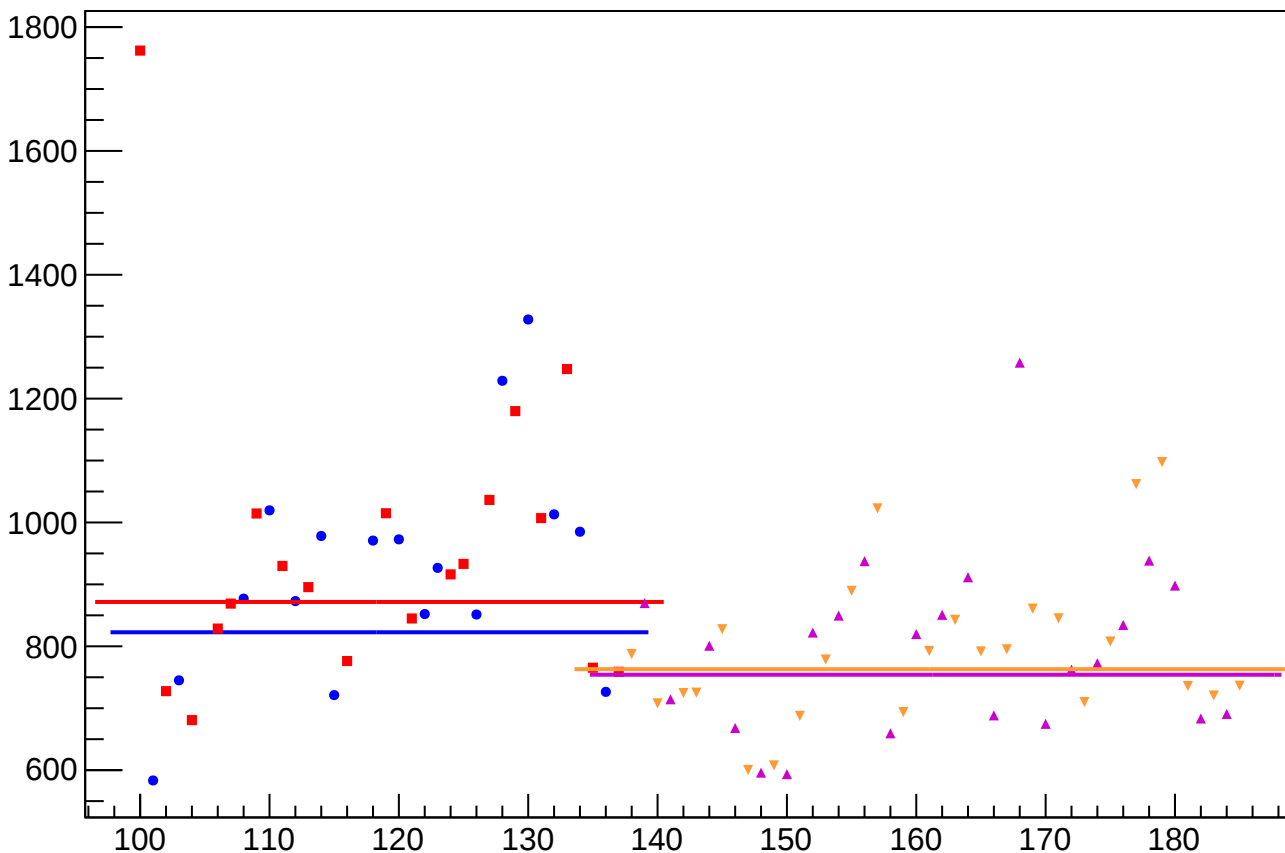
Right: -324.049 ± 233.768 χ^2/NDF : 32.5/35

In: -31.188 ± 160.094 χ^2/NDF : 37.3/39

Out: 95.271 ± 158.646 χ^2/NDF : 46.1/43

All: 32.616 ± 112.688 χ^2/NDF : 83.7/83

asym_right_avg_correction_rms vs Slug, Sign Corrected



Right In: 822.664+/-0.232 χ^2/NDF : 606735.8/16

Left Out: 763.065+/-0.128 χ^2/NDF : 753824.2/24

Right Out: 871.621+/-0.235 χ^2/NDF : 408427.2/18

Left In: 754.099+/-0.130 χ^2/NDF : 931829.3/22

Left: 758.654+/-0.091 χ^2/NDF : 1688082.8/47

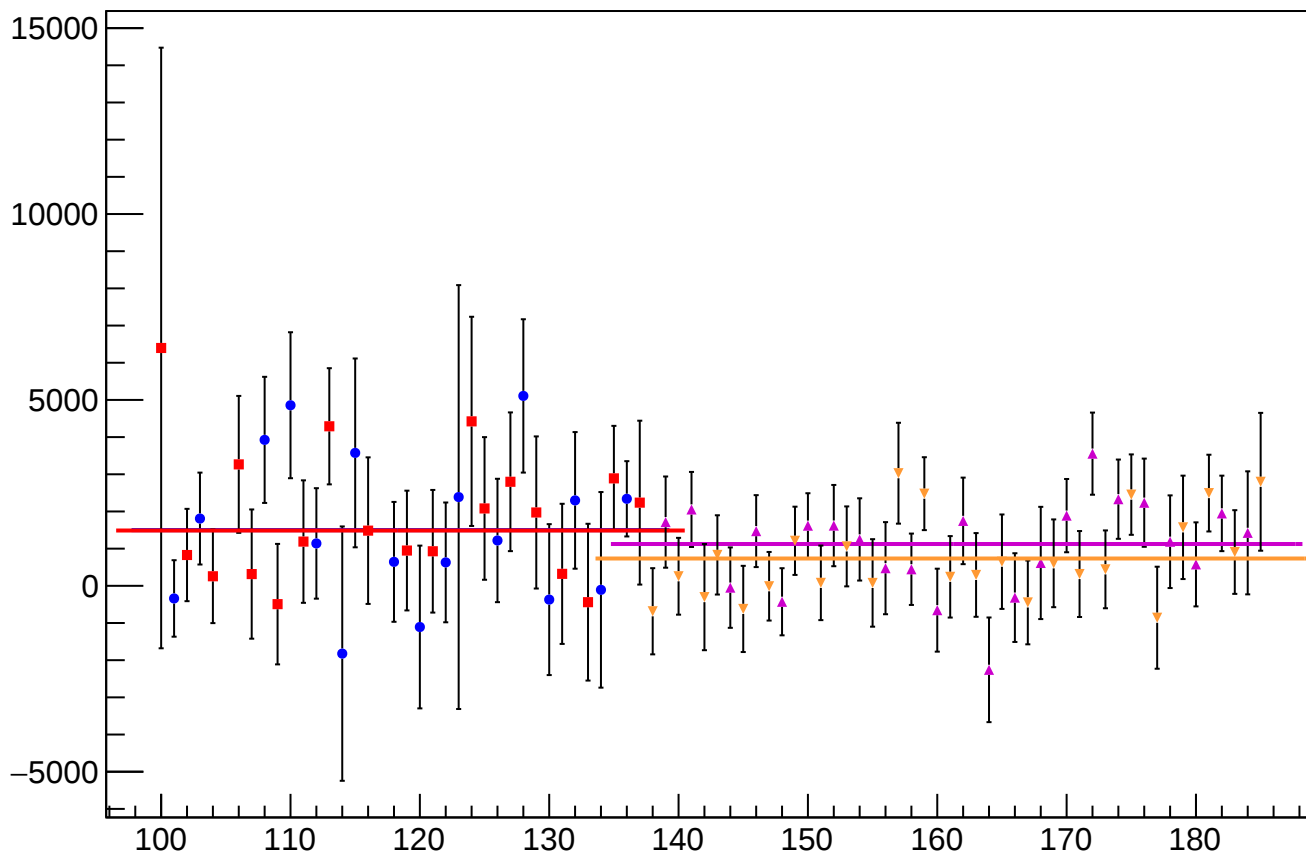
Right: 846.794+/-0.165 χ^2/NDF : 1037087.9/35

In: 770.407+/-0.113 χ^2/NDF : 1605066.1/39

Out: 787.707+/-0.112 χ^2/NDF : 1326567.9/43

All: 779.135+/-0.080 χ^2/NDF : 2943417.2/83

asym_right_avg_mean vs Slug, Sign Corrected



Right In: 1497.967 $\pm$ 402.667 χ^2/NDF : 17.1/16

Left Out: 734.687 $\pm$ 225.560 χ^2/NDF : 21.5/24

Right Out: 1487.754 $\pm$ 400.718 χ^2/NDF : 12.0/18

Left In: 1124.587 $\pm$ 230.065 χ^2/NDF : 25.4/22

Left: 925.783 $\pm$ 161.064 χ^2/NDF : 48.3/47

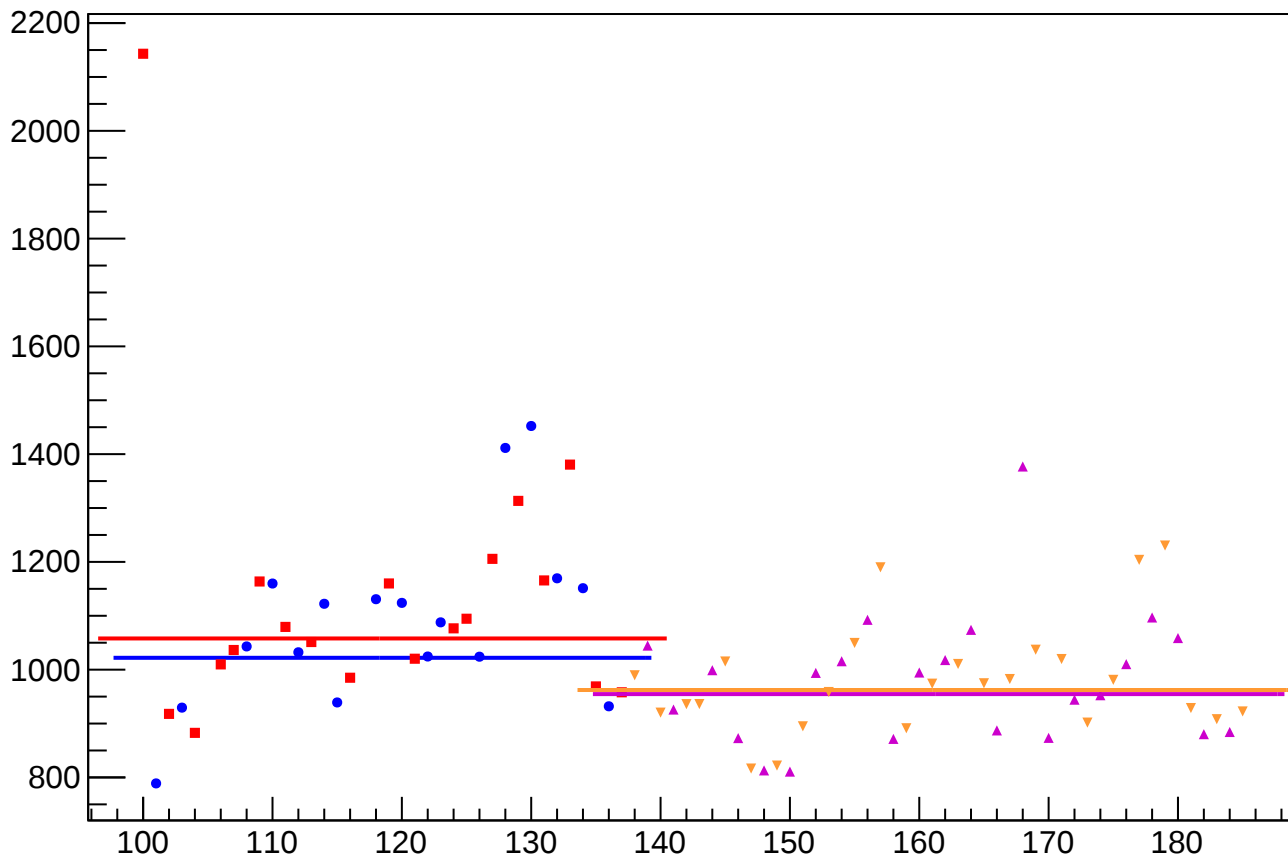
Right: 1492.836 $\pm$ 284.037 χ^2/NDF : 29.1/35

In: 1216.478 $\pm$ 199.759 χ^2/NDF : 43.1/39

Out: 915.882 $\pm$ 196.560 χ^2/NDF : 36.2/43

All: 1063.754 $\pm$ 140.106 χ^2/NDF : 80.5/83

asym_right_avg_rms vs Slug, Sign Corrected



Right In: 1022.011 $\pm$ 0.285 χ^2 /NDF: 336507.1/16

Left Out: 962.241 $\pm$ 0.159 χ^2 /NDF: 363023.2/24

Right Out: 1057.901 $\pm$ 0.283 χ^2 /NDF: 232484.1/18

Left In: 954.643 $\pm$ 0.163 χ^2 /NDF: 443395.0/22

Left: 958.517 $\pm$ 0.114 χ^2 /NDF: 807530.5/47

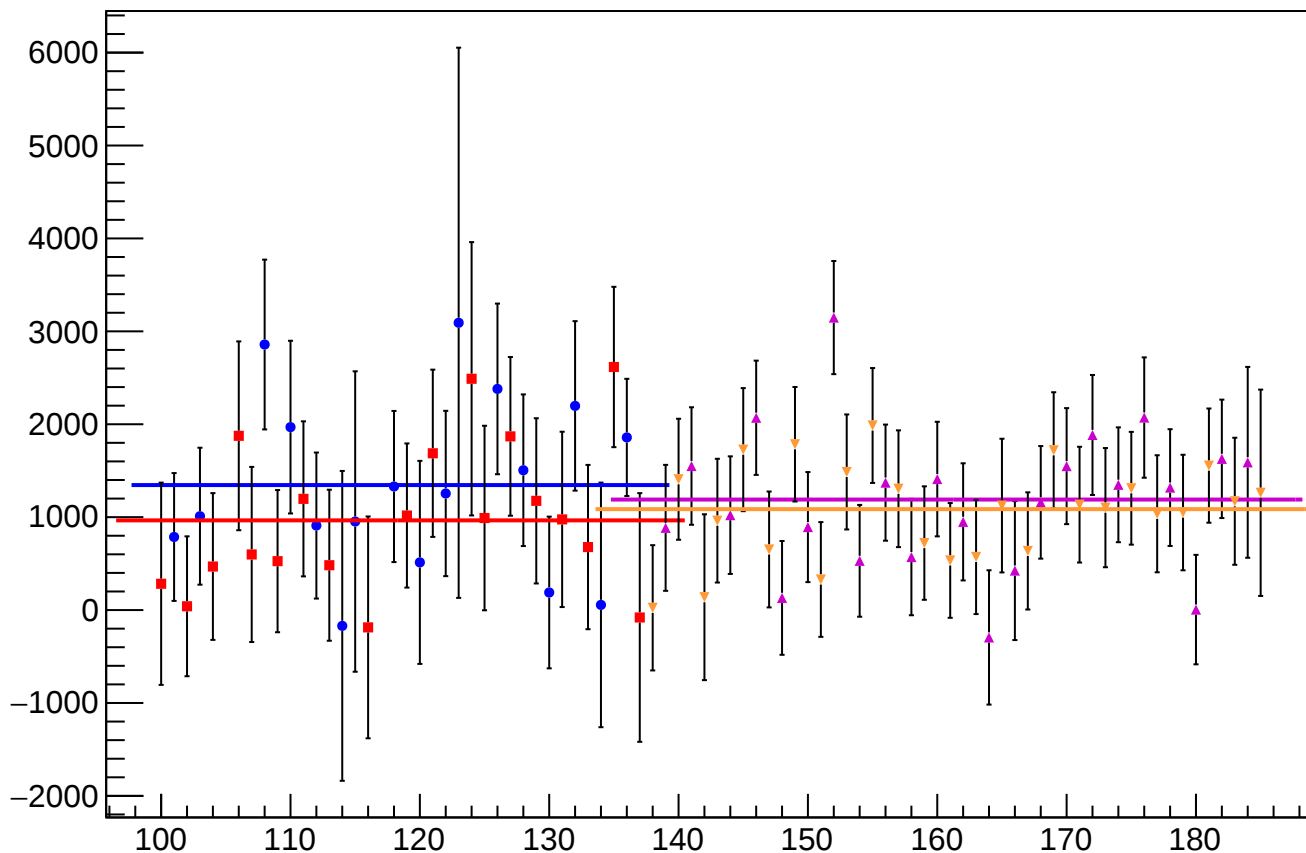
Right: 1040.043 $\pm$ 0.201 χ^2 /NDF: 576973.9/35

In: 971.223 $\pm$ 0.141 χ^2 /NDF: 822106.2/39

Out: 985.258 $\pm$ 0.139 χ^2 /NDF: 682058.7/43

All: 978.354 $\pm$ 0.099 χ^2 /NDF: 1509181.0/83

reg_asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1345.401 $\pm$ 218.855 χ^2 /NDF: 12.0/16

Left Out: 1086.321 $\pm$ 129.838 χ^2 /NDF:14.9/24

Right Out: 965.438 $\pm$ 208.614 χ^2 /NDF: 12.2/18

Left In: 1189.481 $\pm$ 133.313 χ^2 /NDF:32.2/22

Left: 1136.539 $\pm$ 93.014 χ^2 /NDF: 47.4/47

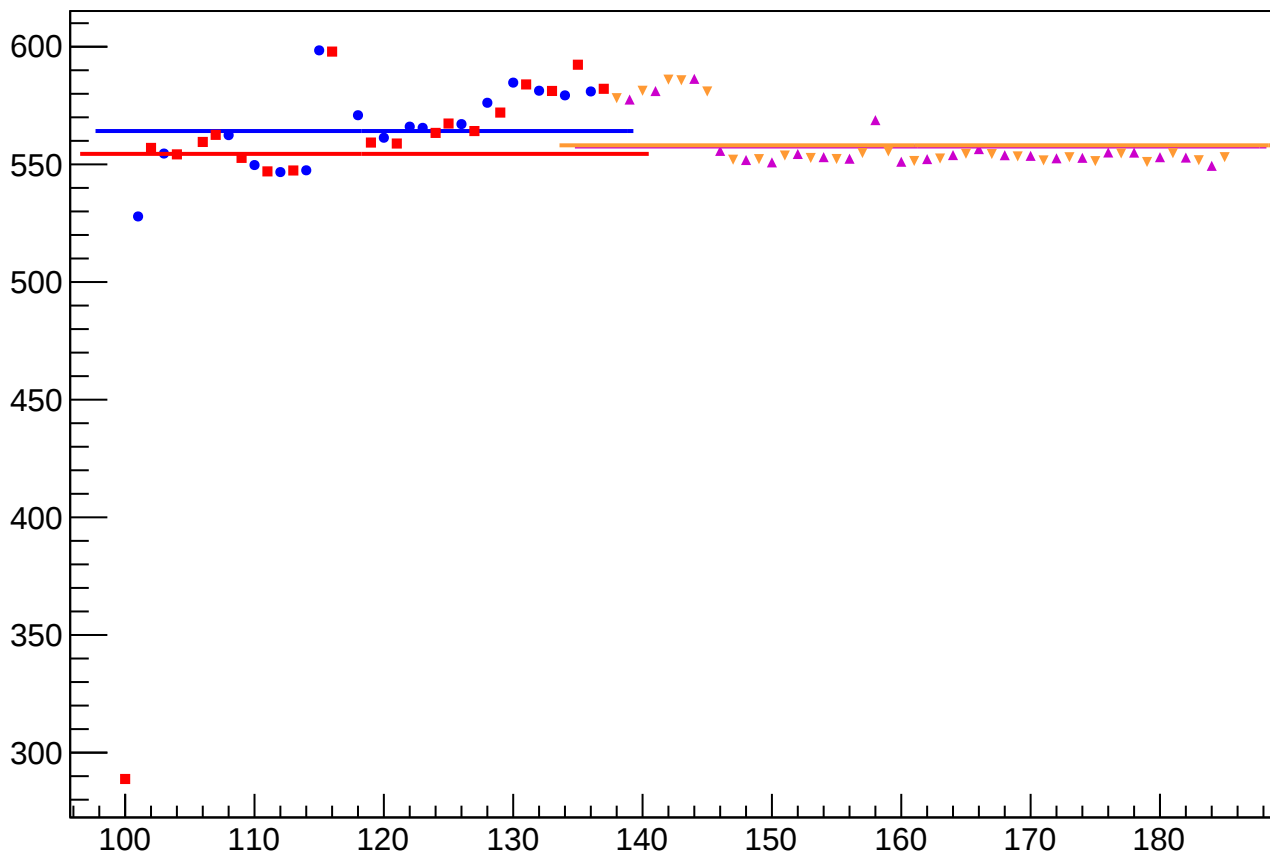
Right: 1146.322 $\pm$ 151.003 χ^2 /NDF: 25.8/35

In: 1231.678 $\pm$ 113.854 χ^2 /NDF:44.5/39

Out: 1052.570 $\pm$ 110.232 χ^2 /NDF:27.4/43

All: 1139.230 $\pm$ 79.195 χ^2 /NDF: 73.2/83

reg_asym_right_dd_rms vs Slug, Sign Corrected



Right In: 564.174 $\pm$ 0.155 χ^2 /NDF: 12759.8/16

Left Out: 558.099 $\pm$ 0.092 χ^2 /NDF:14786.9/24

Right Out: 554.462 $\pm$ 0.148 χ^2 /NDF: 132390.5/18

Left In: 557.597 $\pm$ 0.094 χ^2 /NDF:11276.8/22

Left: 557.854 $\pm$ 0.066 χ^2 /NDF: 26078.3/47

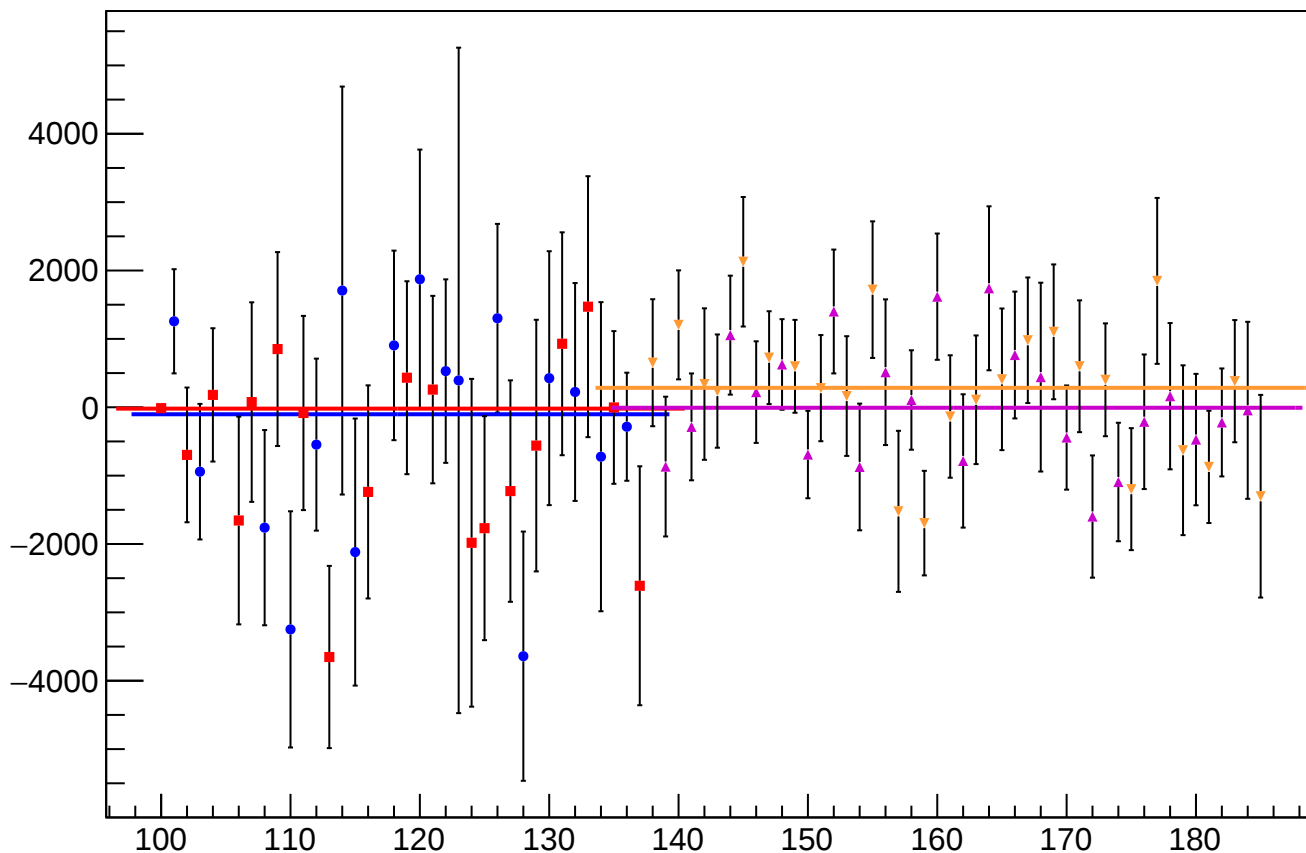
Right: 559.086 $\pm$ 0.107 χ^2 /NDF: 147213.9/35

In: 559.377 $\pm$ 0.081 χ^2 /NDF:25354.4/39

Out: 557.083 $\pm$ 0.078 χ^2 /NDF:147615.4/43

All: 558.193 $\pm$ 0.056 χ^2 /NDF: 173388.6/83

asym_right_dd_correction_mean vs Slug, Sign Corrected



Right In: -102.542 $\pm$ 328.366 χ^2 /NDF: 17.0/16

Left Out: 284.181 $\pm$ 180.496 χ^2 /NDF:26.8/24

Right Out: -20.080 $\pm$ 38.955 χ^2 /NDF: 15.9/18

Left In: -7.306 $\pm$ 183.473 χ^2 /NDF:20.1/22

Left: 140.821 $\pm$ 128.670 χ^2 /NDF: 48.2/47

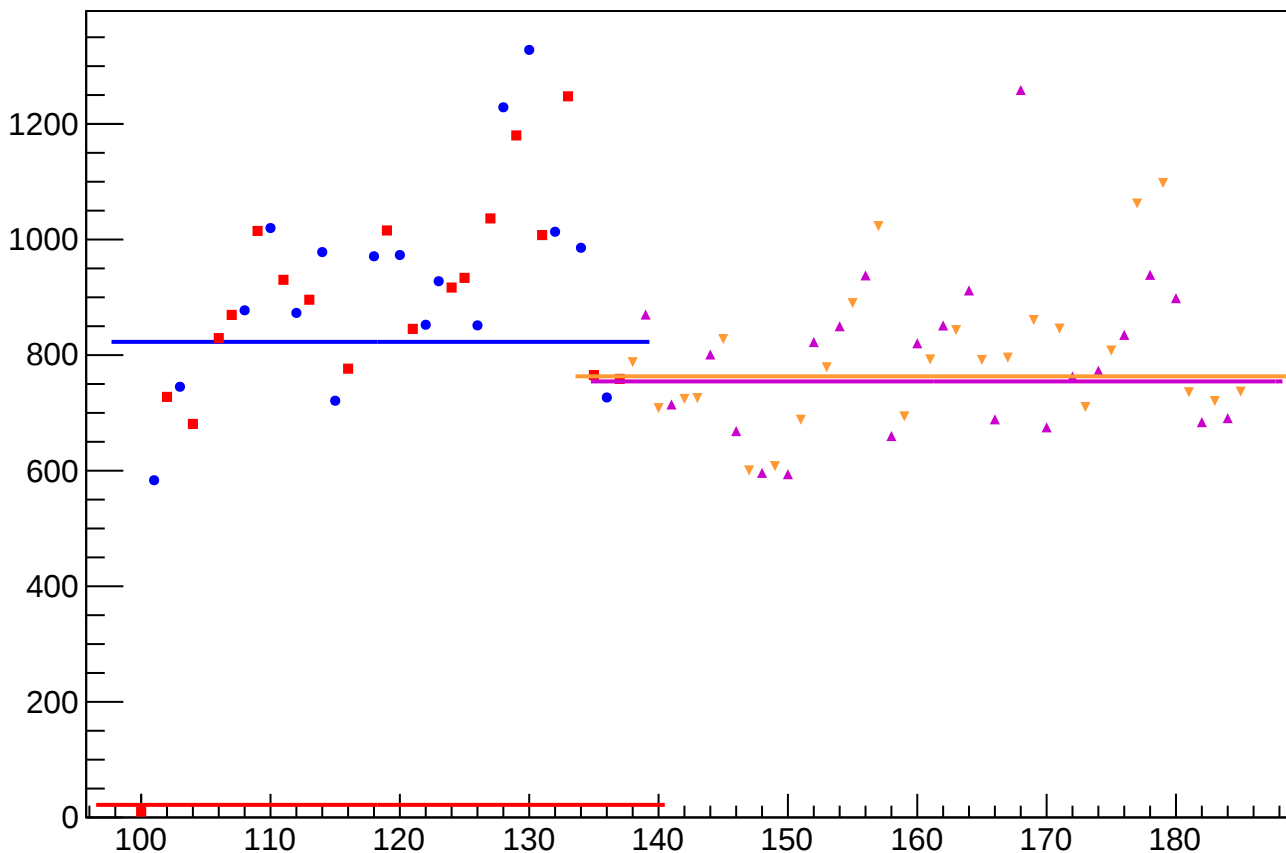
Right: -21.224 $\pm$ 38.684 χ^2 /NDF: 33.0/35

In: -29.964 $\pm$ 160.167 χ^2 /NDF:37.2/39

Out: -6.538 $\pm$ 38.078 χ^2 /NDF:45.4/43

All: -7.791 $\pm$ 37.046 χ^2 /NDF: 82.6/83

asym_right_dd_correction_rms vs Slug, Sign Corrected



Right In: 822.915 ± 0.232 χ^2/NDF : 606659.4/16

Left Out: 763.287 ± 0.128 χ^2/NDF : 753854.3/24

Right Out: 21.771 ± 0.028 χ^2/NDF : 13478158.3/18

Left In: 754.483 ± 0.130 χ^2/NDF : 931536.8/22

Left: 758.957 ± 0.091 χ^2/NDF : 1687731.4/47

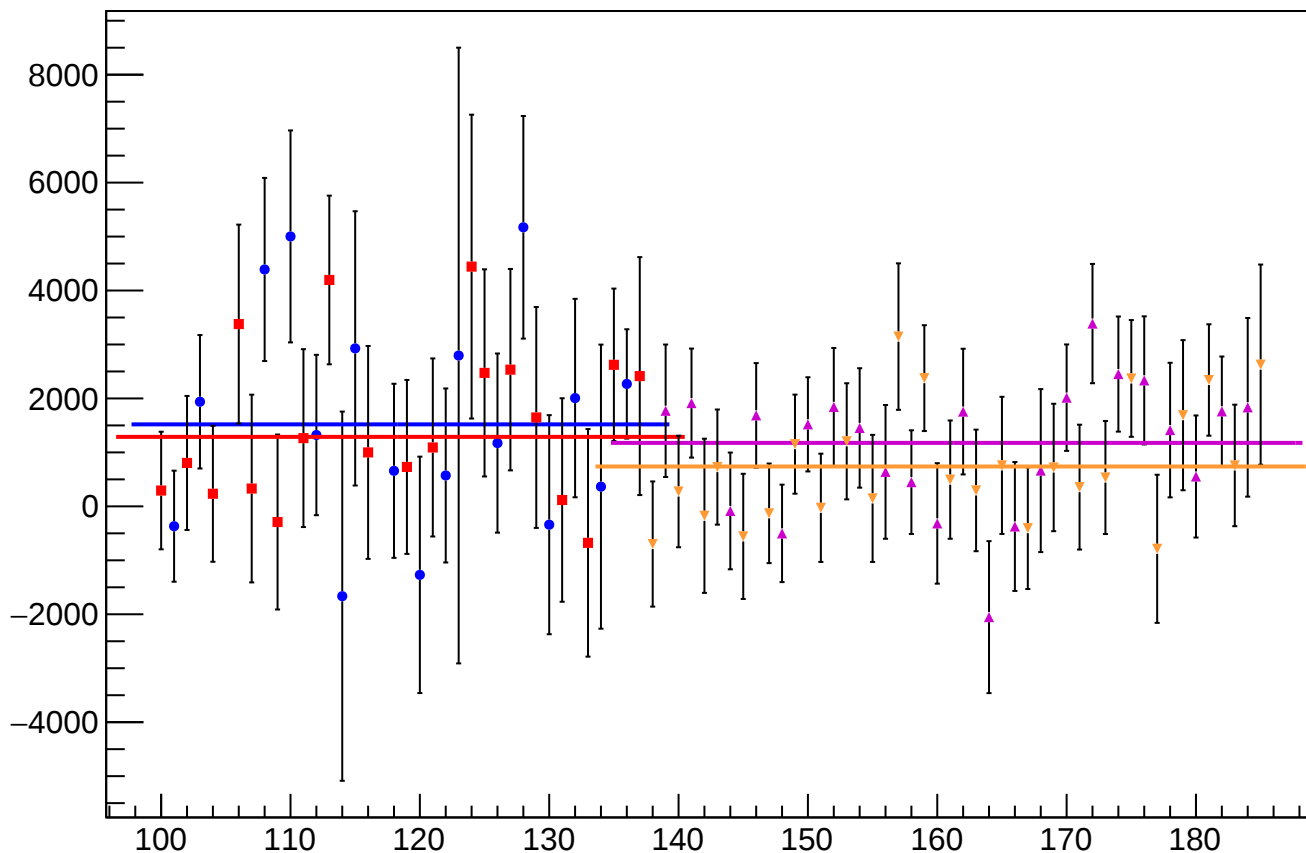
Right: 32.890 ± 0.027 χ^2/NDF : 25824737.5/35

In: 770.764 ± 0.113 χ^2/NDF : 1604392.5/39

Out: 54.773 ± 0.027 χ^2/NDF : 46484363.2/43

All: 93.077 ± 0.026 χ^2/NDF : 85917439.4/83

asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1519.485 $\pm$ 402.890 χ^2 /NDF: 17.8/16

Left Out: 738.584 $\pm$ 225.683 χ^2 /NDF: 20.2/24

Right Out: 1260.770 $\pm$ 376.679 χ^2 /NDF: 12.4/18

Left In: 1176.288 $\pm$ 230.229 χ^2 /NDF: 24.2/22

Left: 953.073 $\pm$ 161.165 χ^2 /NDF: 46.3/47

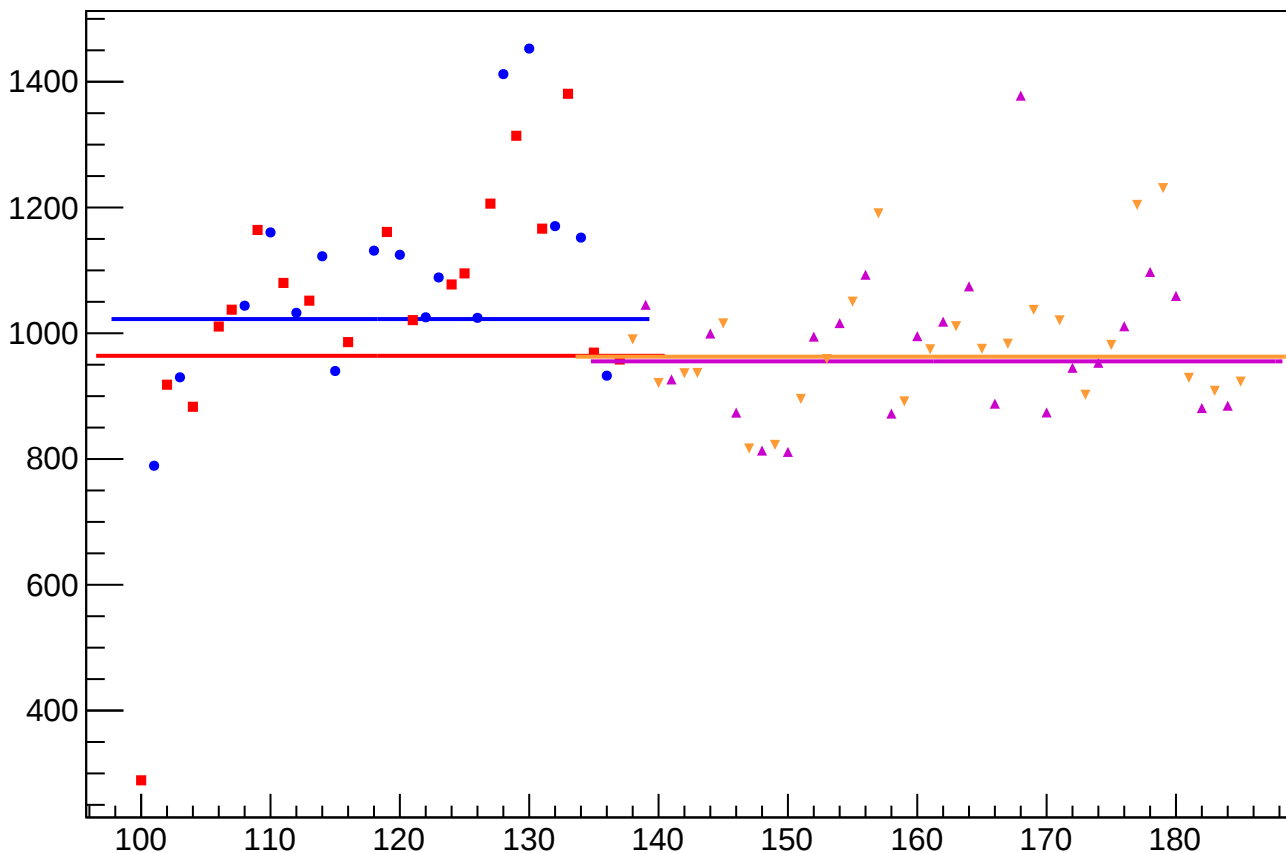
Right: 1395.721 $\pm$ 275.152 χ^2 /NDF: 30.3/35

In: 1260.770 $\pm$ 199.893 χ^2 /NDF: 42.6/39

Out: 883.589 $\pm$ 193.595 χ^2 /NDF: 34.2/43

All: 1066.144 $\pm$ 139.066 χ^2 /NDF: 78.6/83

asym_right_dd_rms vs Slug, Sign Corrected



Right In: 1022.583+/-0.285 χ^2/NDF : 336434.0/16

Left Out: 962.762+/-0.160 χ^2/NDF : 362923.7/24

Right Out: 964.149+/-0.266 χ^2/NDF : 1068768.6/18

Left In: 955.331+/-0.163 χ^2/NDF : 443068.5/22

Left: 959.120+/-0.114 χ^2/NDF : 807054.9/47

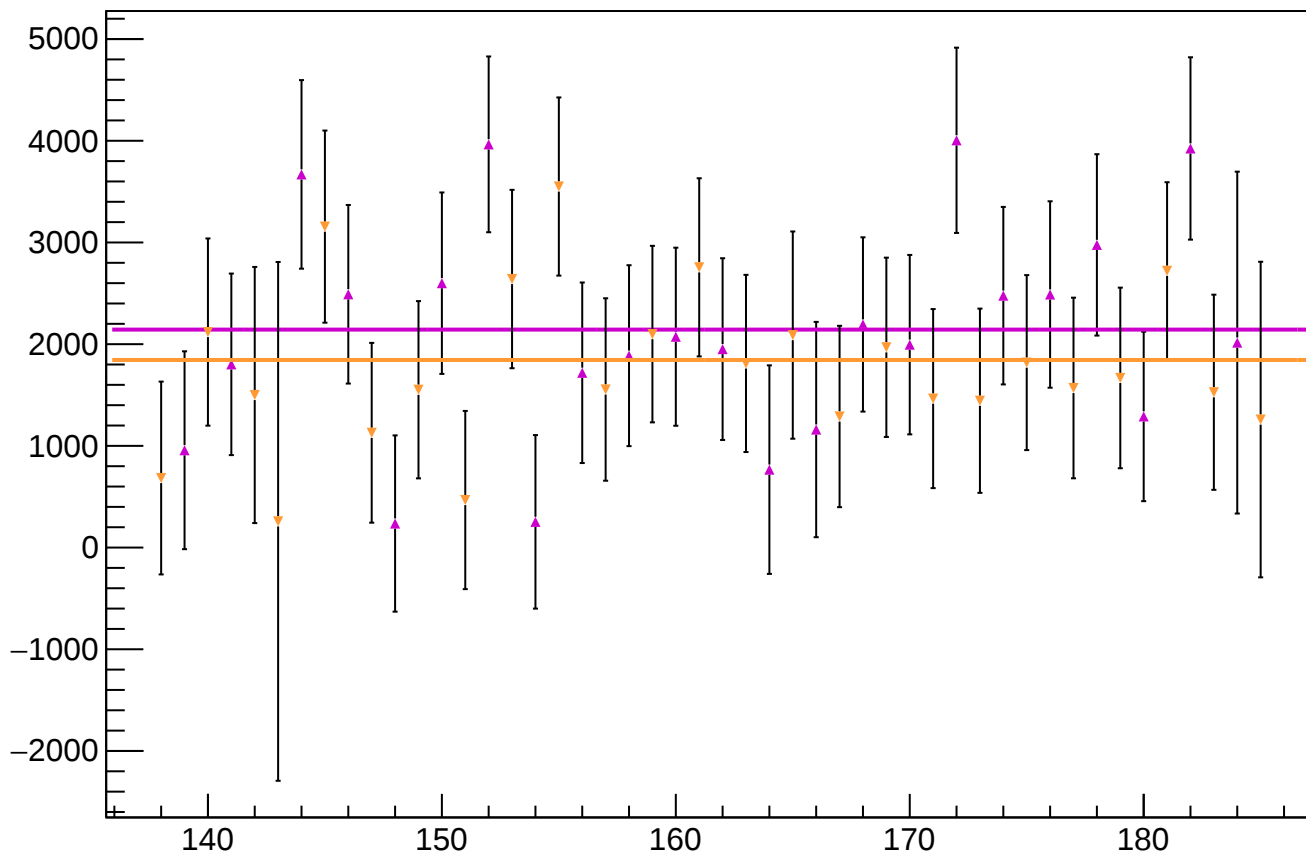
Right: 991.404+/-0.195 χ^2/NDF : 1427651.0/35

In: 971.886+/-0.141 χ^2/NDF : 821512.1/39

Out: 963.129+/-0.137 χ^2/NDF : 1431712.2/43

All: 967.367+/-0.098 χ^2/NDF : 2255204.9/83

cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1844.611+/-186.933 χ^2/NDF :15.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2143.254+/-190.144 χ^2/NDF :32.4/22

Left: 1991.389+/-133.302 χ^2/NDF : 49.0/47

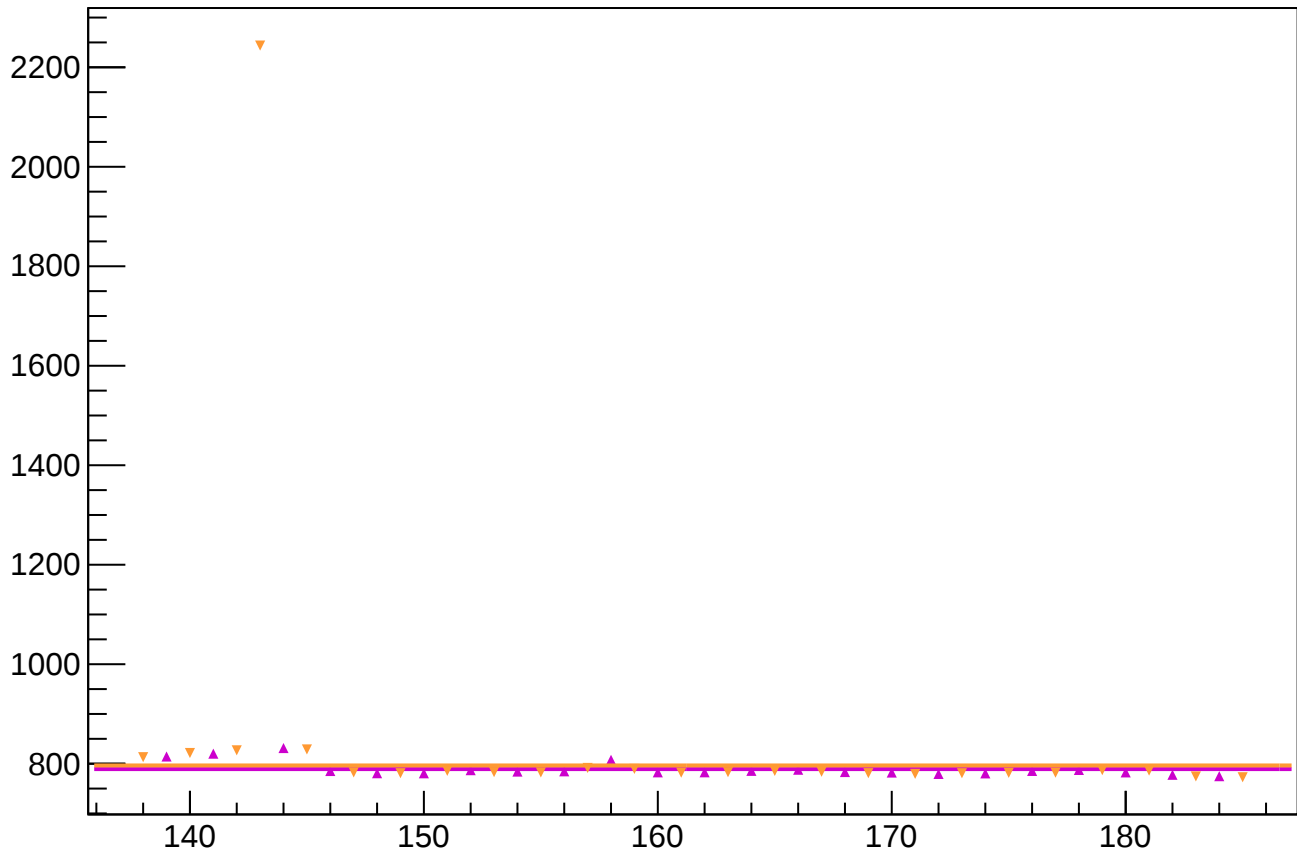
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2143.254+/-190.144 χ^2/NDF :32.4/22

Out: 1844.611+/-186.933 χ^2/NDF :15.4/24

All: 1991.389+/-133.302 χ^2/NDF : 49.0/47

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 796.473+/-0.132 χ^2/NDF : 658729.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 789.176+/-0.134 χ^2/NDF : 10860.4/22

Left: 792.887+/-0.094 χ^2/NDF : 671087.1/47

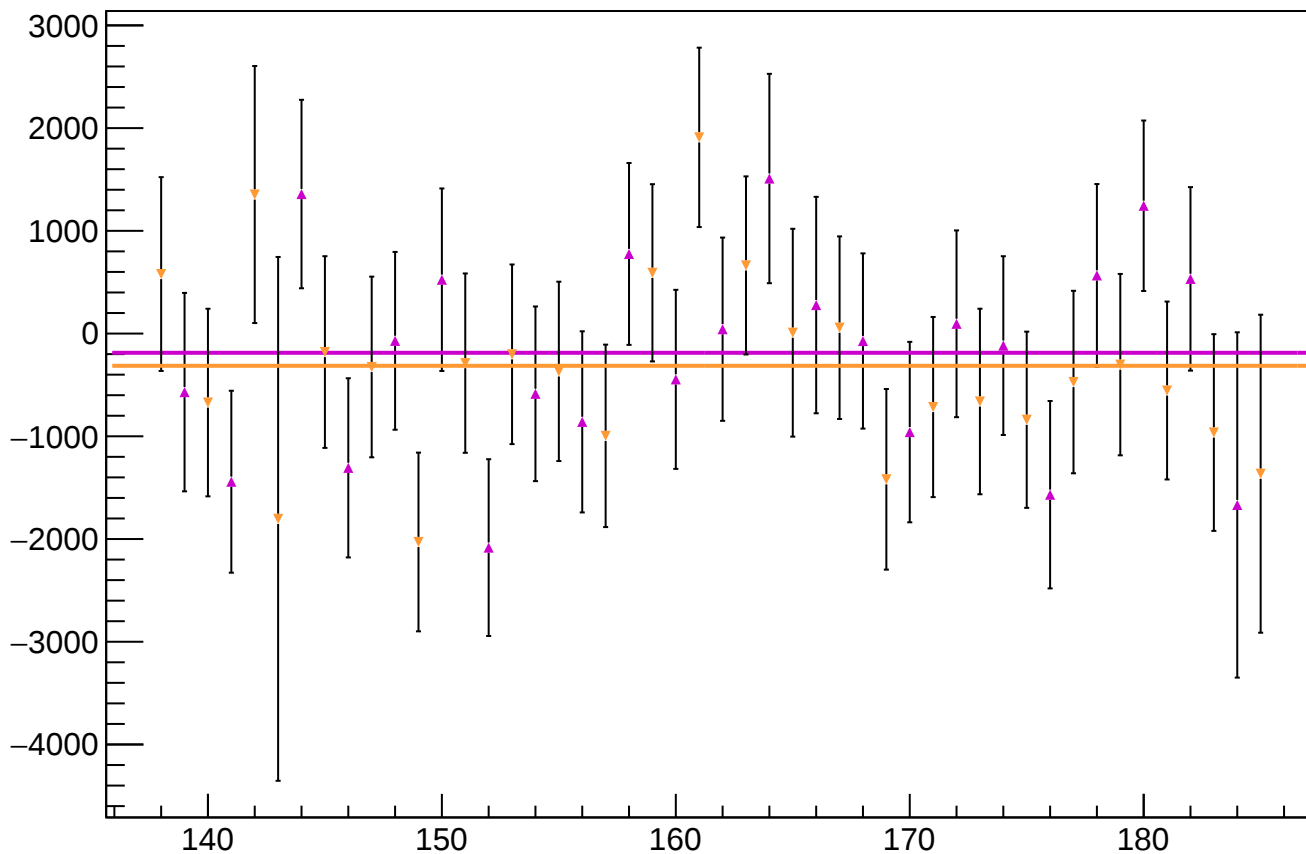
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 789.176+/-0.134 χ^2/NDF : 10860.4/22

Out: 796.473+/-0.132 χ^2/NDF : 658729.0/24

All: 792.887+/-0.094 χ^2/NDF : 671087.1/47

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -313.733 $\pm$ 186.070 χ^2 /NDF:20.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -187.105 $\pm$ 189.265 χ^2 /NDF:25.6/22

Left: -251.497 $\pm$ 132.687 χ^2 /NDF: 46.0/47

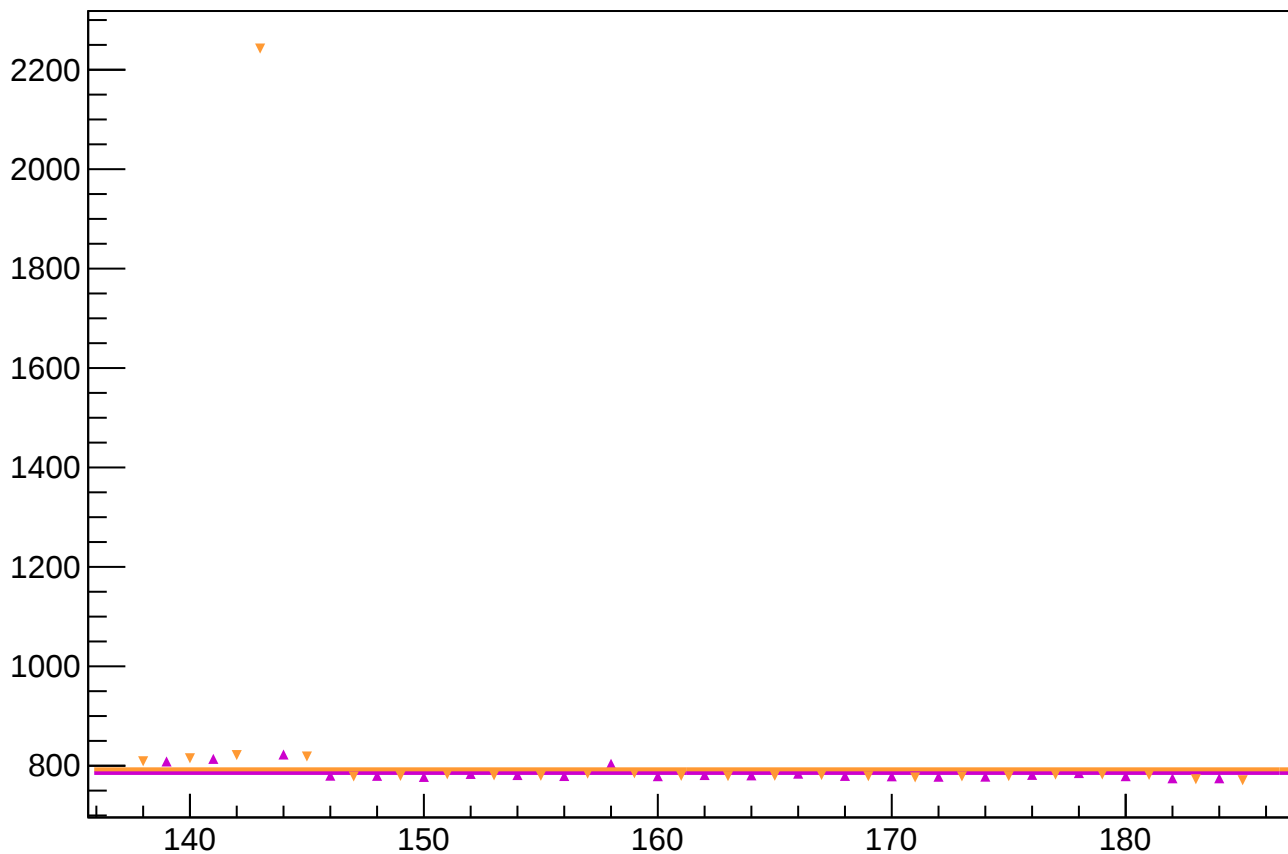
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -187.105 $\pm$ 189.265 χ^2 /NDF:25.6/22

Out: -313.733 $\pm$ 186.070 χ^2 /NDF:20.2/24

All: -251.497 $\pm$ 132.687 χ^2 /NDF: 46.0/47

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 792.815+/-0.132 χ^2/NDF : 659506.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 785.562+/-0.134 χ^2/NDF : 9033.0/22

Left: 789.250+/-0.094 χ^2/NDF : 670032.7/47

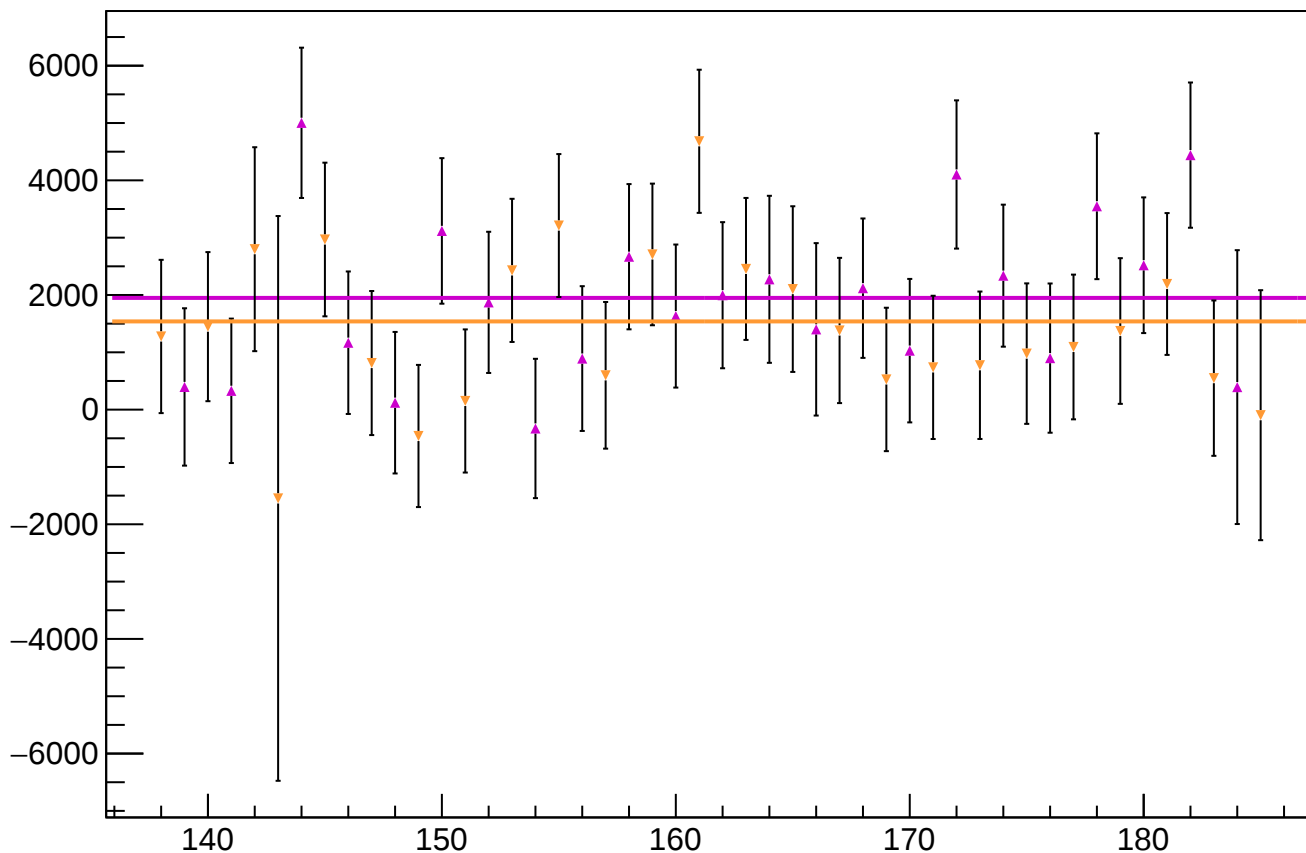
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 785.562+/-0.134 χ^2/NDF : 9033.0/22

Out: 792.815+/-0.132 χ^2/NDF : 659506.2/24

All: 789.250+/-0.094 χ^2/NDF : 670032.7/47

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 1538.949 $\pm$ 265.926 χ^2 /NDF:20.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 1949.077 $\pm$ 270.080 χ^2 /NDF:26.8/22

Left: 1740.835 $\pm$ 189.490 χ^2 /NDF: 48.1/47

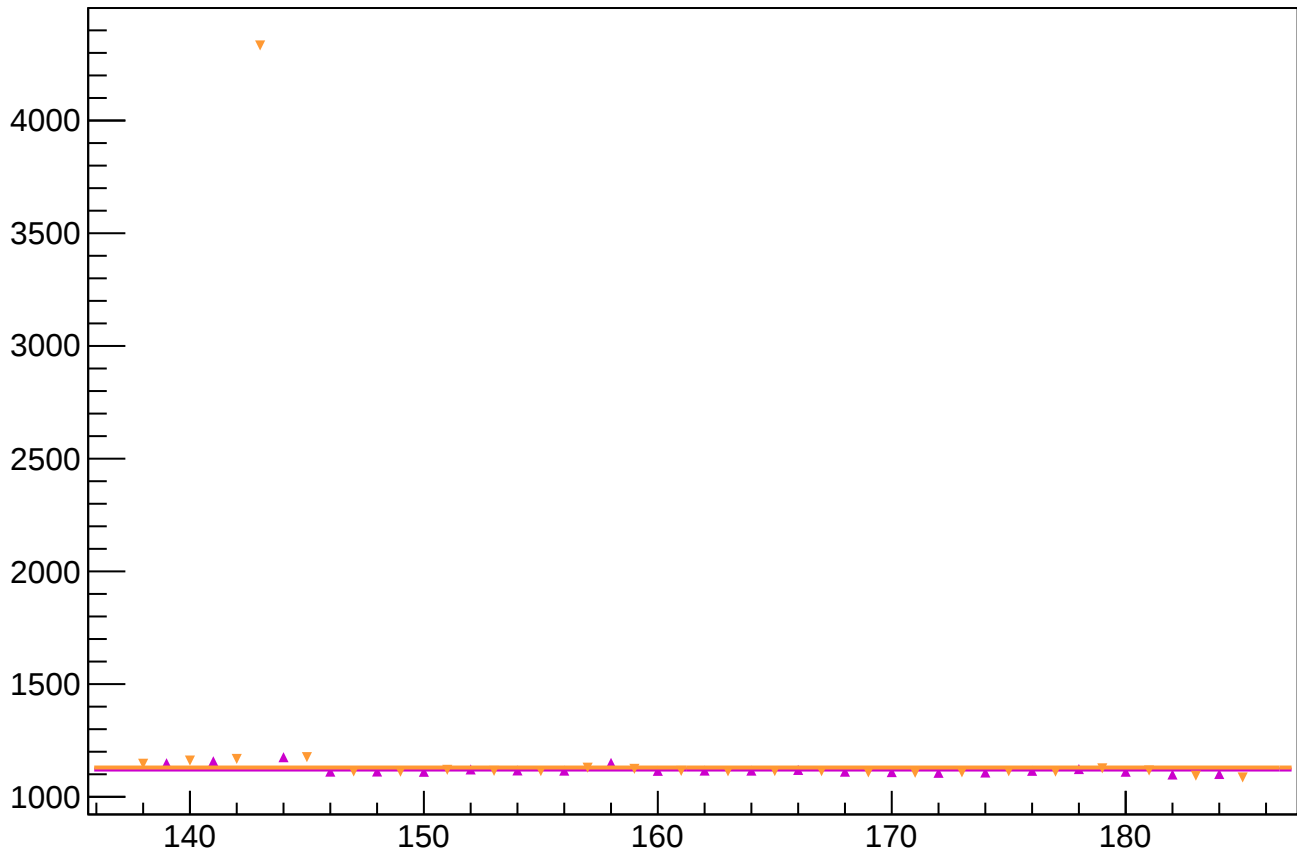
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 1949.077 $\pm$ 270.080 χ^2 /NDF:26.8/22

Out: 1538.949 $\pm$ 265.926 χ^2 /NDF:20.2/24

All: 1740.835 $\pm$ 189.490 χ^2 /NDF: 48.1/47

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1129.945+/-0.188 χ^2/NDF :858263.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1120.977+/-0.191 χ^2/NDF :9259.6/22

Left: 1125.531+/-0.134 χ^2/NDF : 868642.5/47

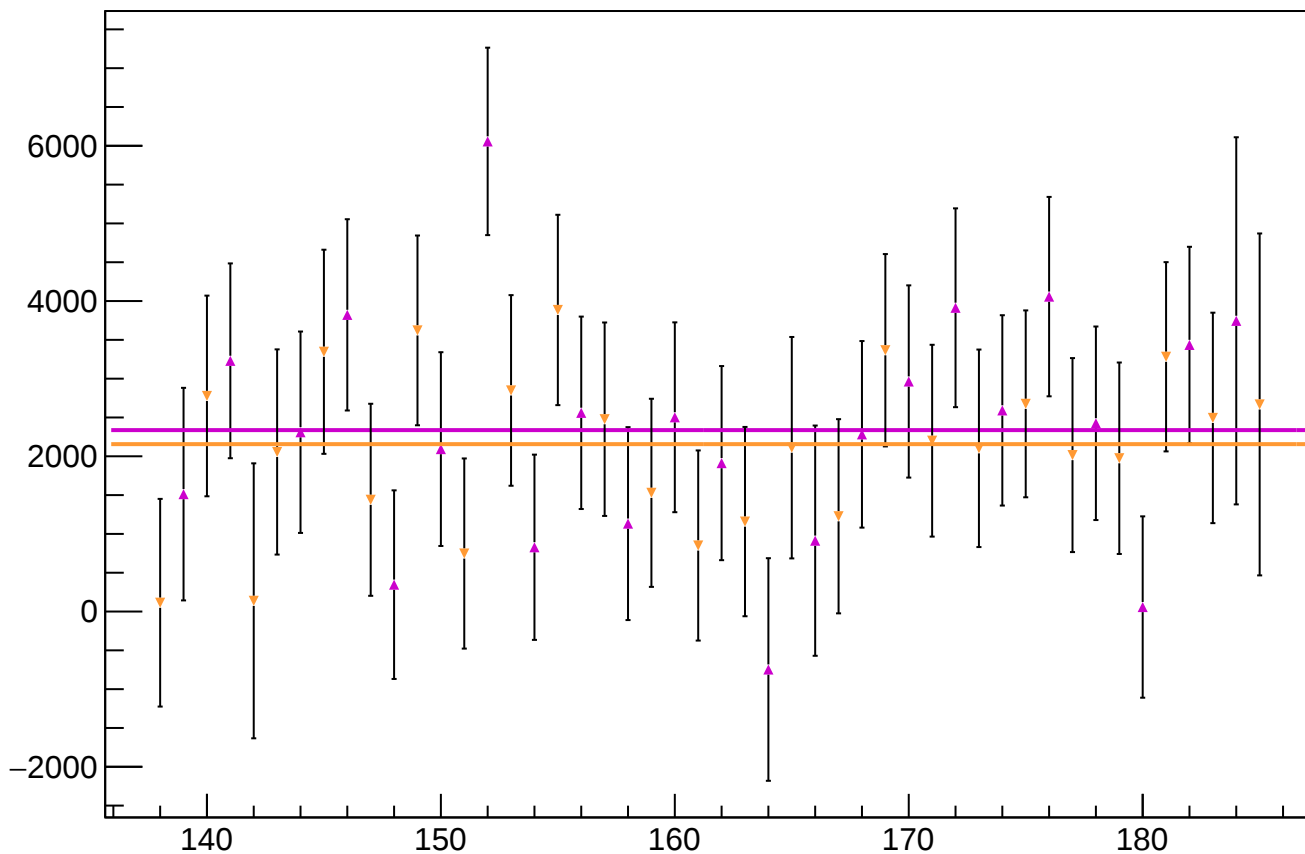
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1120.977+/-0.191 χ^2/NDF :9259.6/22

Out: 1129.945+/-0.188 χ^2/NDF :858263.3/24

All: 1125.531+/-0.134 χ^2/NDF : 868642.5/47

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 2156.466+/-257.558 χ^2/NDF :14.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2337.232+/-266.468 χ^2/NDF :31.3/22

Left: 2243.776+/-185.191 χ^2/NDF : 46.5/47

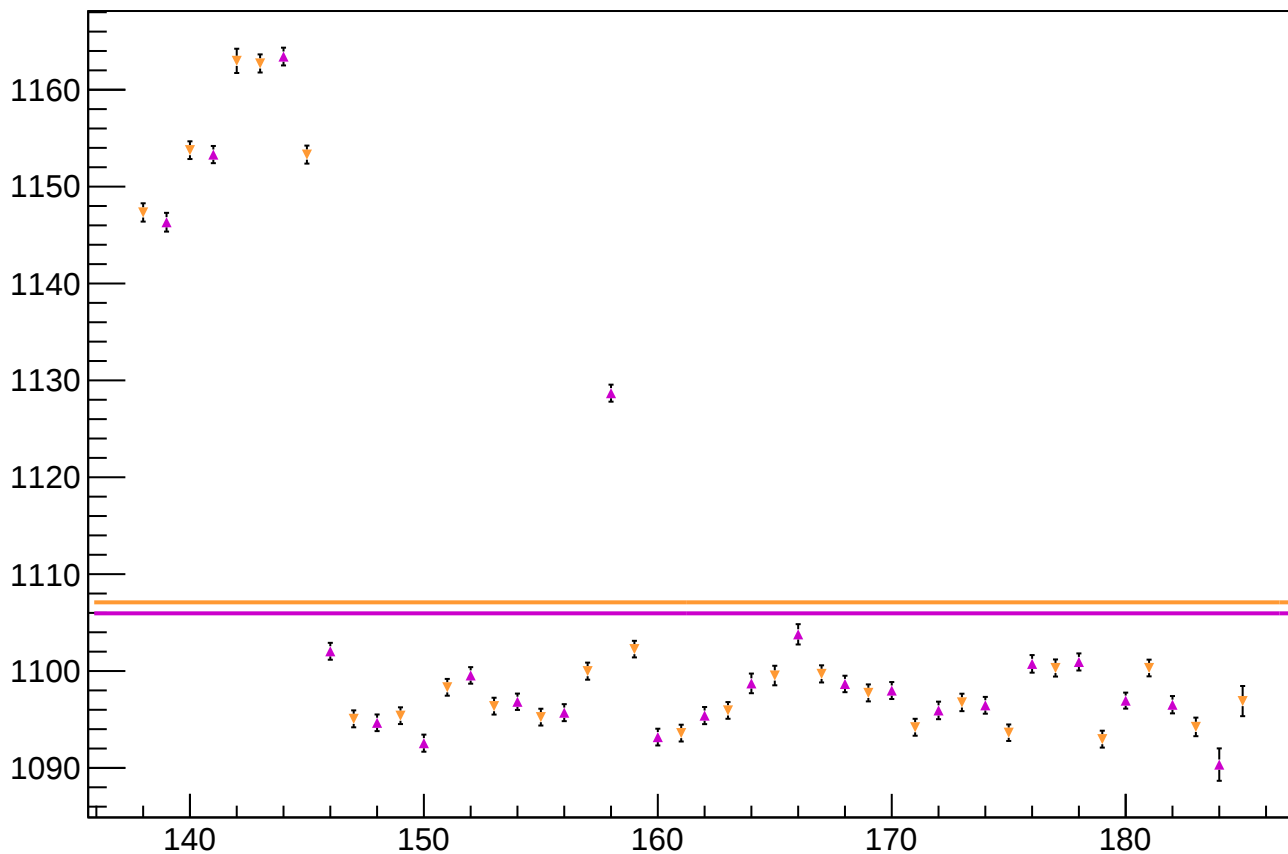
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2337.232+/-266.468 χ^2/NDF :31.3/22

Out: 2156.466+/-257.558 χ^2/NDF :14.9/24

All: 2243.776+/-185.191 χ^2/NDF : 46.5/47

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1107.090+/-0.182 χ^2/NDF :15187.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1105.955+/-0.188 χ^2/NDF :11111.3/22

Left: 1106.542+/-0.131 χ^2/NDF : 26317.2/47

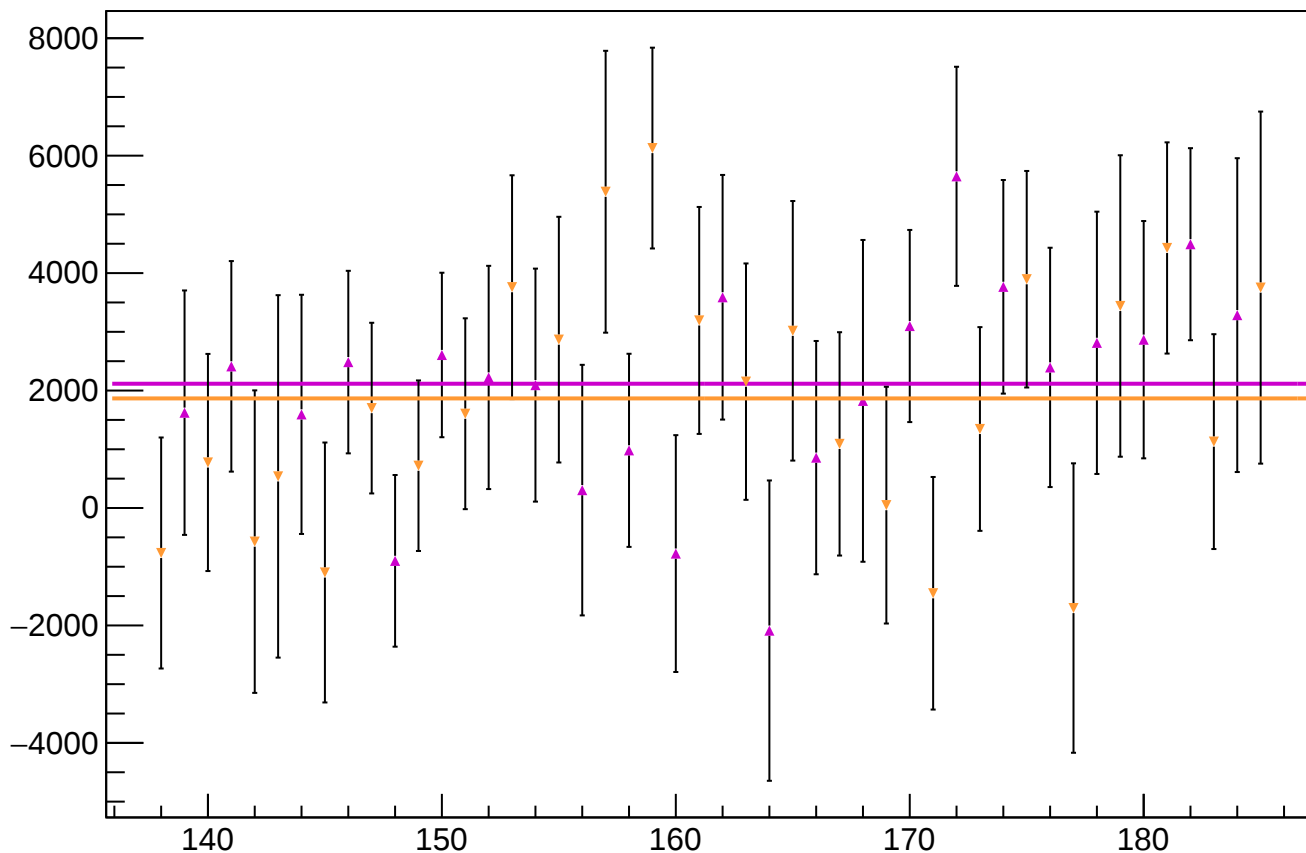
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1105.955+/-0.188 χ^2/NDF :11111.3/22

Out: 1107.090+/-0.182 χ^2/NDF :15187.2/24

All: 1106.542+/-0.131 χ^2/NDF : 26317.2/47

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1866.021+/-391.734 χ^2/NDF : 26.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 2116.114+/-392.997 χ^2/NDF : 18.8/22

Left: 1990.665+/-277.443 χ^2/NDF : 45.2/47

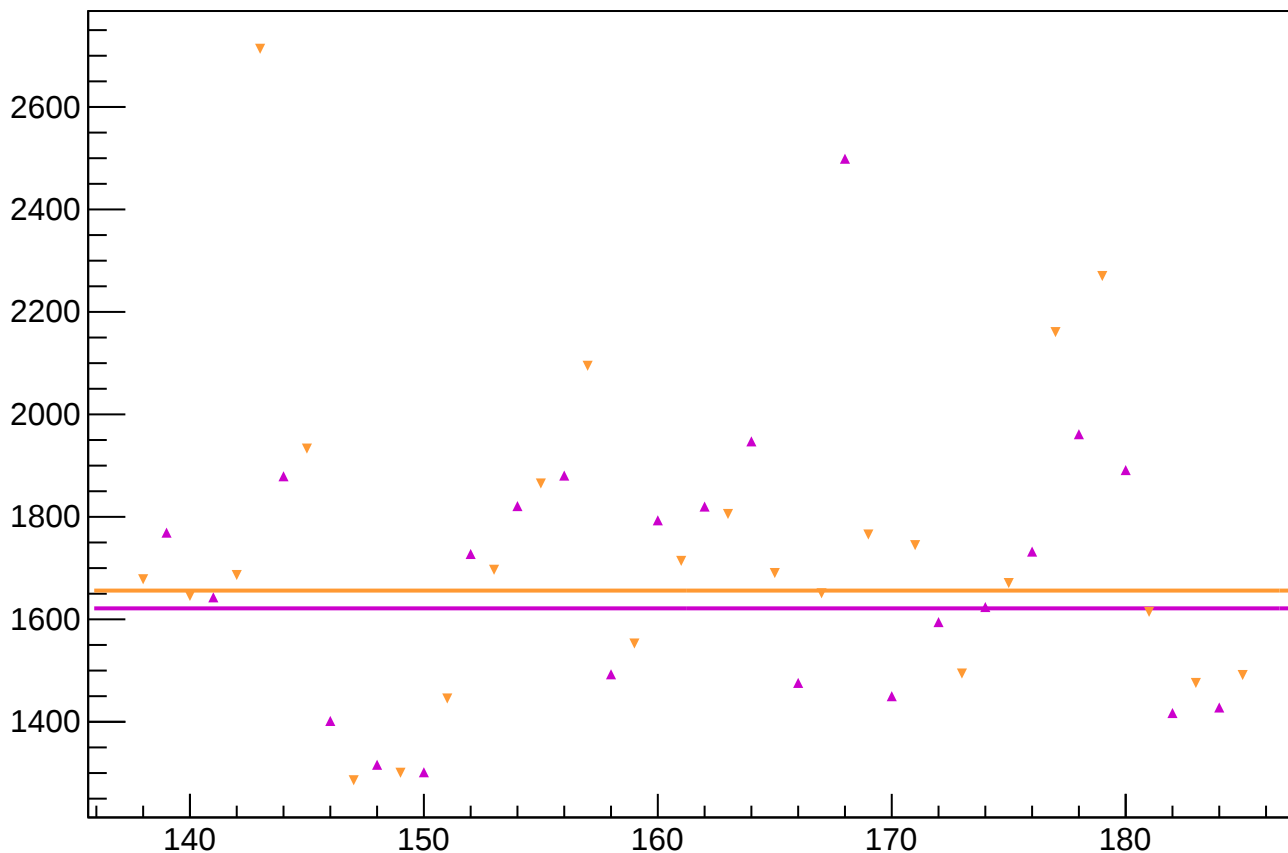
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2116.114+/-392.997 χ^2/NDF : 18.8/22

Out: 1866.021+/-391.734 χ^2/NDF : 26.2/24

All: 1990.665+/-277.443 χ^2/NDF : 45.2/47

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left Out: 1656.119+/-0.277 χ^2 /NDF:910685.4/24

Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Left In: 1621.417+/-0.278 χ^2 /NDF:775310.1/22

Left: 1638.824+/-0.196 χ^2 /NDF: 1693817.5/47

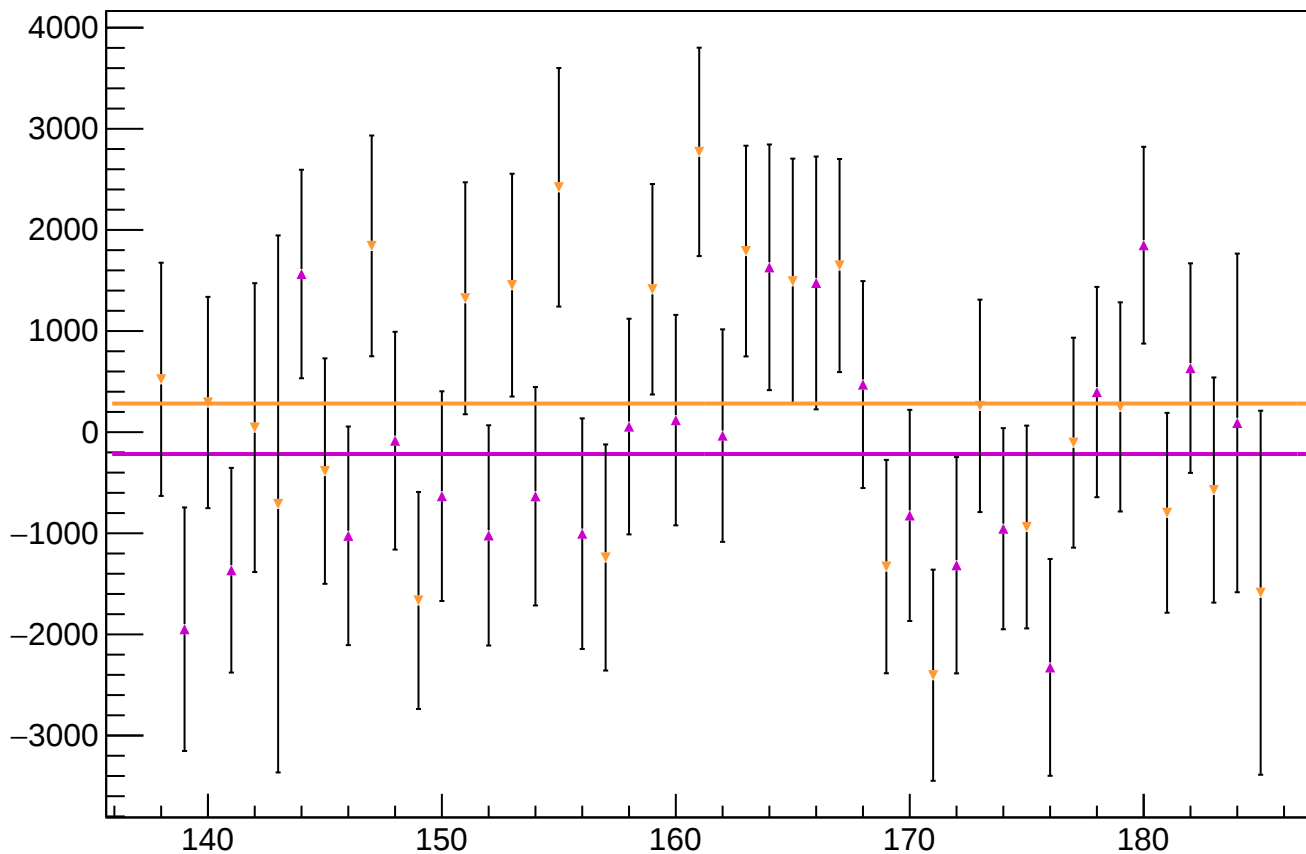
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 1621.417+/-0.278 χ^2 /NDF:775310.1/22

Out: 1656.119+/-0.277 χ^2 /NDF:910685.4/24

All: 1638.824+/-0.196 χ^2 /NDF: 1693817.5/47

asym_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: 283.099 ± 223.610 $\chi^2/\text{NDF}: 38.2/24$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -216.121 ± 225.600 $\chi^2/\text{NDF}: 24.4/22$

Left: 35.701 ± 158.815 $\chi^2/\text{NDF}: 65.1/47$

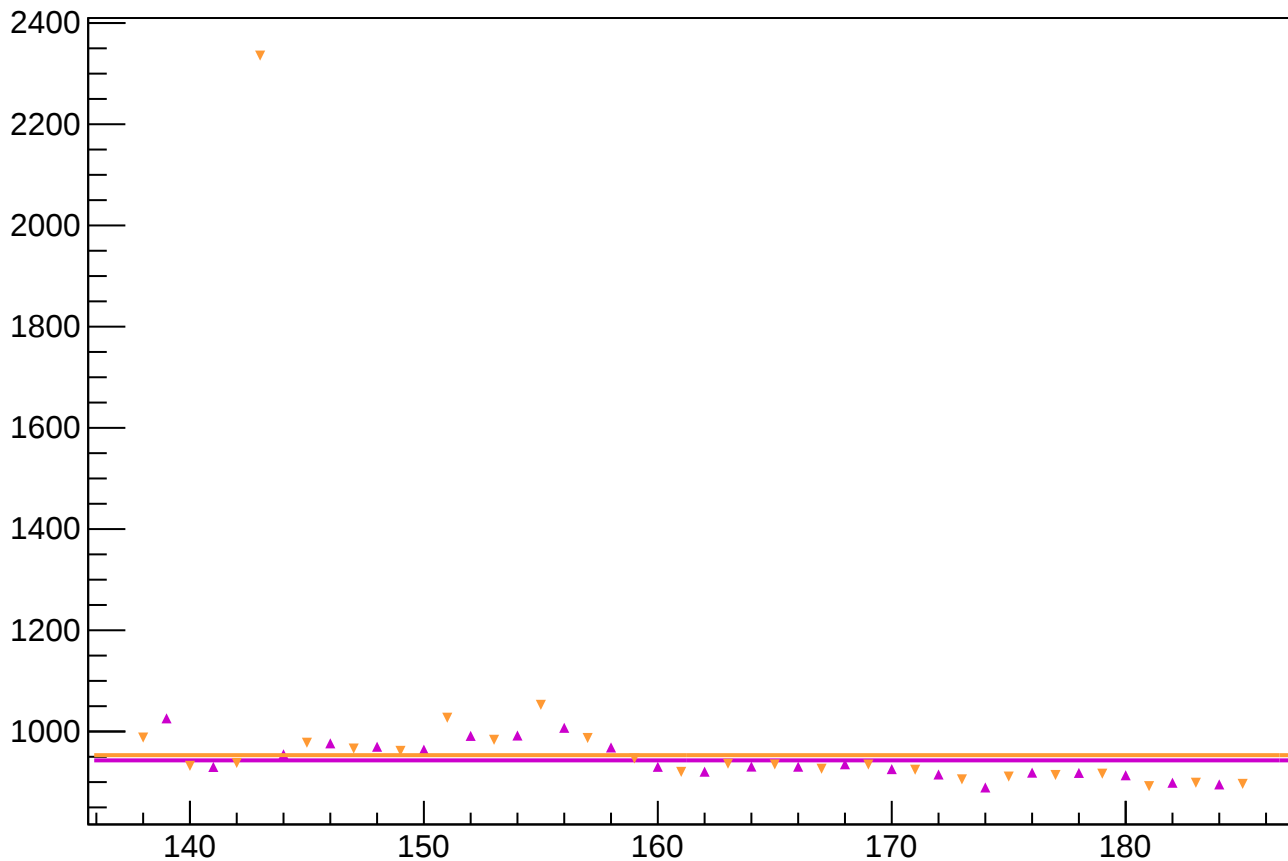
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -216.121 ± 225.600 $\chi^2/\text{NDF}: 24.4/22$

Out: 283.099 ± 223.610 $\chi^2/\text{NDF}: 38.2/24$

All: 35.701 ± 158.815 $\chi^2/\text{NDF}: 65.1/47$

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 953.224+/-0.158 χ^2/NDF : 606291.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

Left: 948.121+/-0.112 χ^2/NDF : 656796.2/47

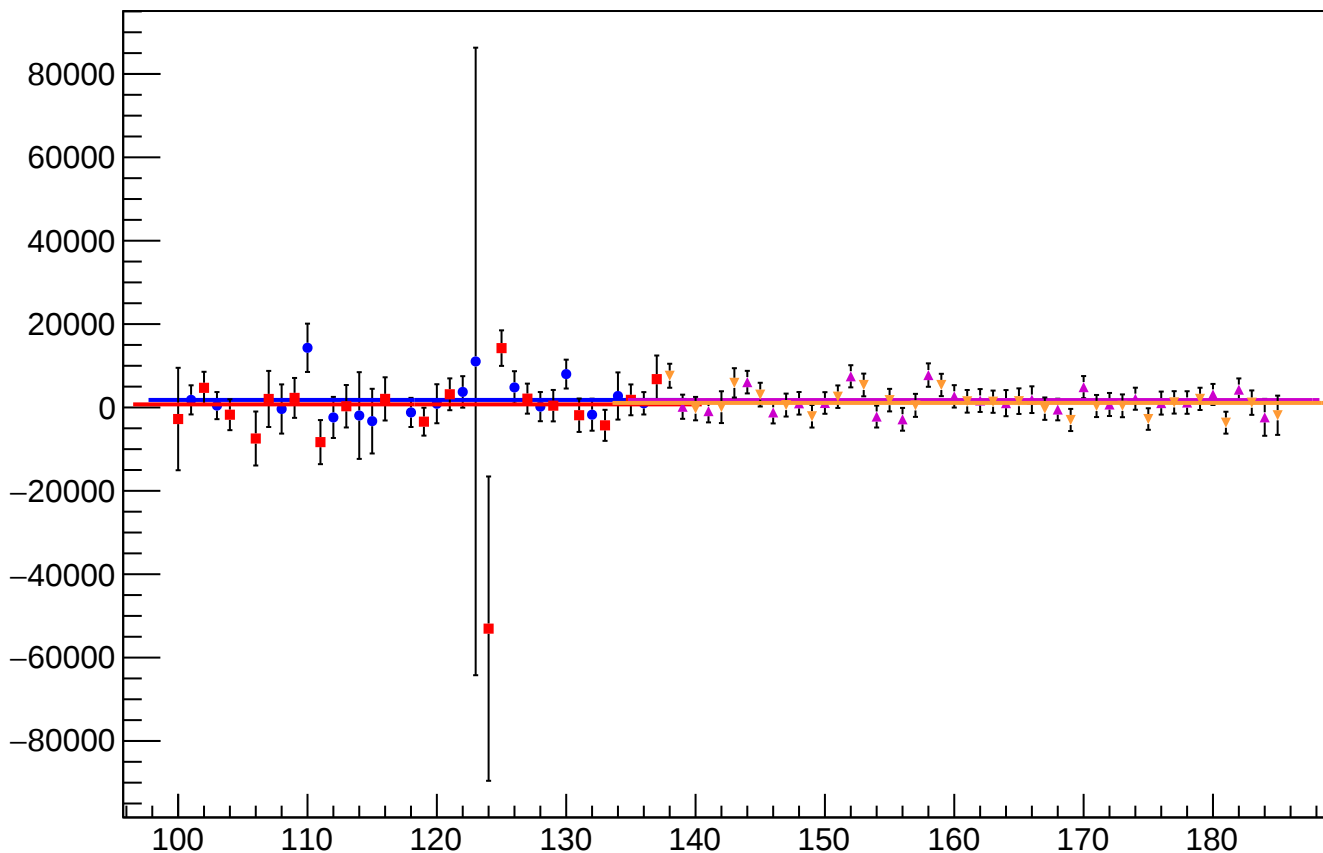
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 942.927+/-0.160 χ^2/NDF : 48402.9/22

Out: 953.224+/-0.158 χ^2/NDF : 606291.4/24

All: 948.121+/-0.112 χ^2/NDF : 656796.2/47

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1807.995+/-1015.862 χ^2/NDF : 12.3/16

Left Out: 1091.184+/-564.079 χ^2/NDF : 23.6/24

Right Out: 739.633+/-1026.876 χ^2/NDF : 24.1/18

Left In: 1777.100+/-575.895 χ^2/NDF : 24.1/22

Left: 1427.034+/-402.977 χ^2/NDF : 48.4/47

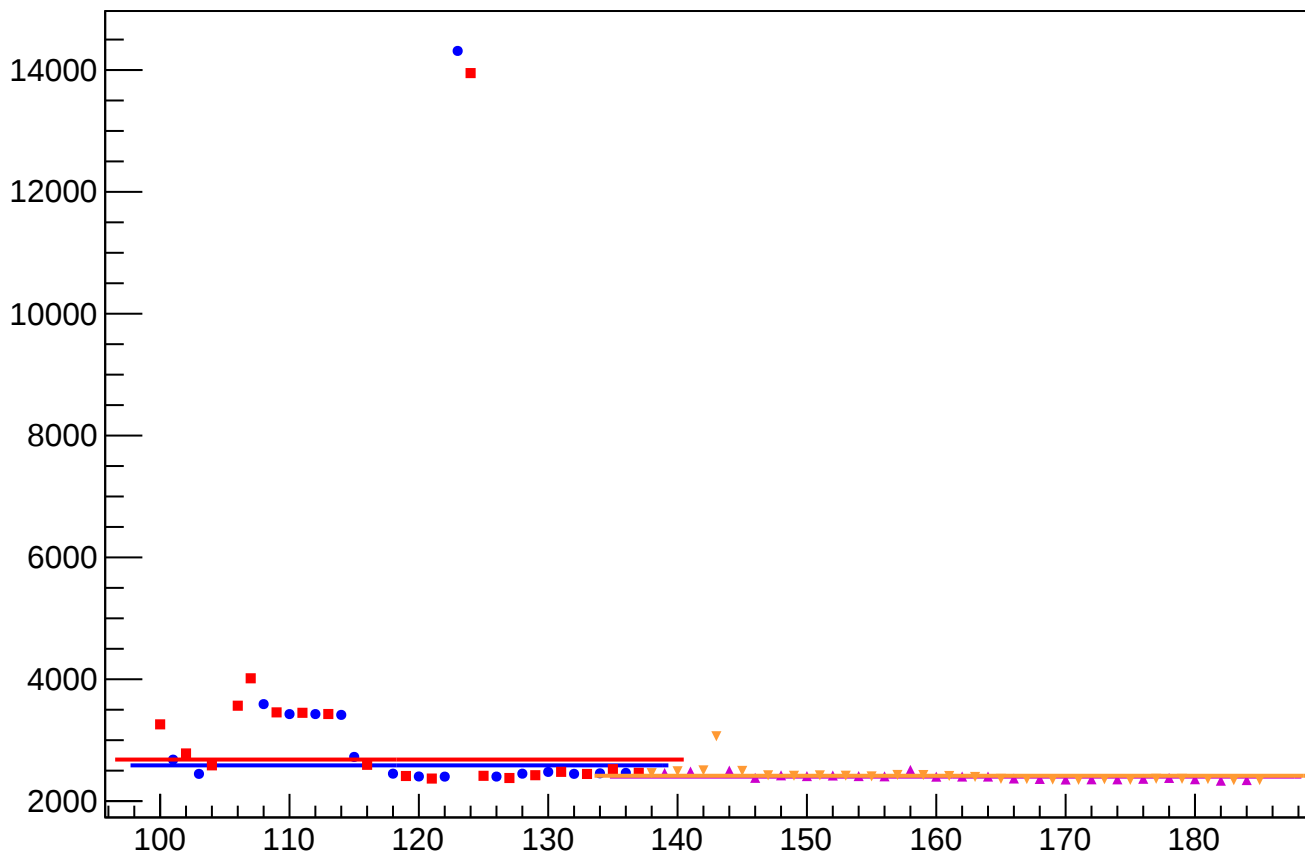
Right: 1279.574+/-722.186 χ^2/NDF : 36.9/35

In: 1784.614+/-500.991 χ^2/NDF : 36.3/39

Out: 1009.694+/-494.398 χ^2/NDF : 47.8/43

All: 1392.022+/-351.900 χ^2/NDF : 85.3/83

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2586.401+/-0.718 χ^2/NDF : 253848.4/16

Left Out: 2416.033+/-0.399 χ^2/NDF : 82632.5/24

Right Out: 2682.004+/-0.726 χ^2/NDF : 529065.5/18

Left In: 2401.422+/-0.407 χ^2/NDF : 13747.6/22

Left: 2408.879+/-0.285 χ^2/NDF : 97037.2/47

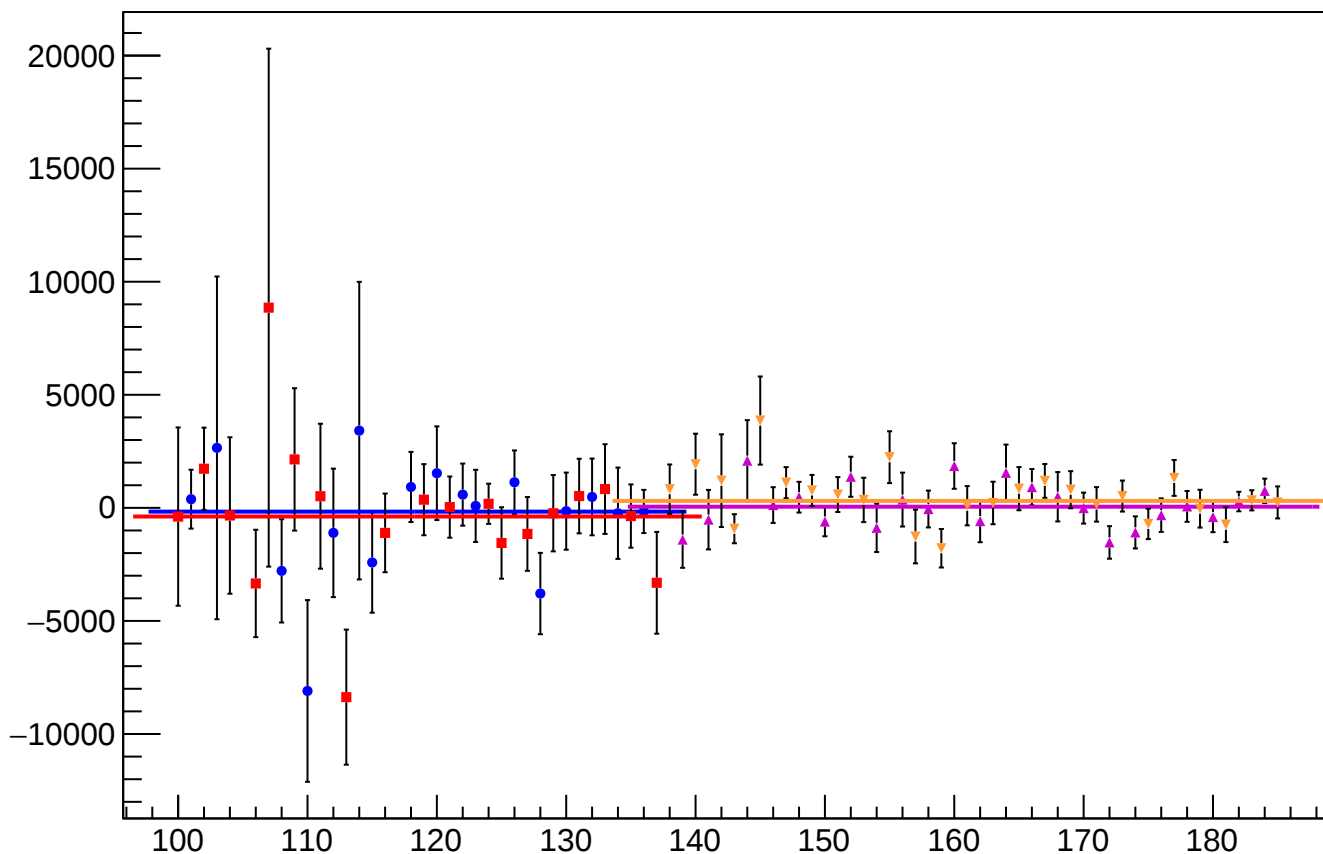
Right: 2633.687+/-0.511 χ^2/NDF : 791675.3/35

In: 2446.411+/-0.354 χ^2/NDF : 317781.6/39

Out: 2477.686+/-0.350 χ^2/NDF : 714769.3/43

All: 2462.256+/-0.249 χ^2/NDF : 1036499.4/83

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: -166.806 ± 421.387 χ^2/NDF : 13.5/16

Left Out: 307.153 ± 160.711 χ^2/NDF : 29.7/24

Right Out: -382.536 ± 410.020 χ^2/NDF : 15.5/18

Left In: 51.454 ± 161.744 χ^2/NDF : 23.8/22

Left: 180.122 ± 114.004 χ^2/NDF : 54.8/47

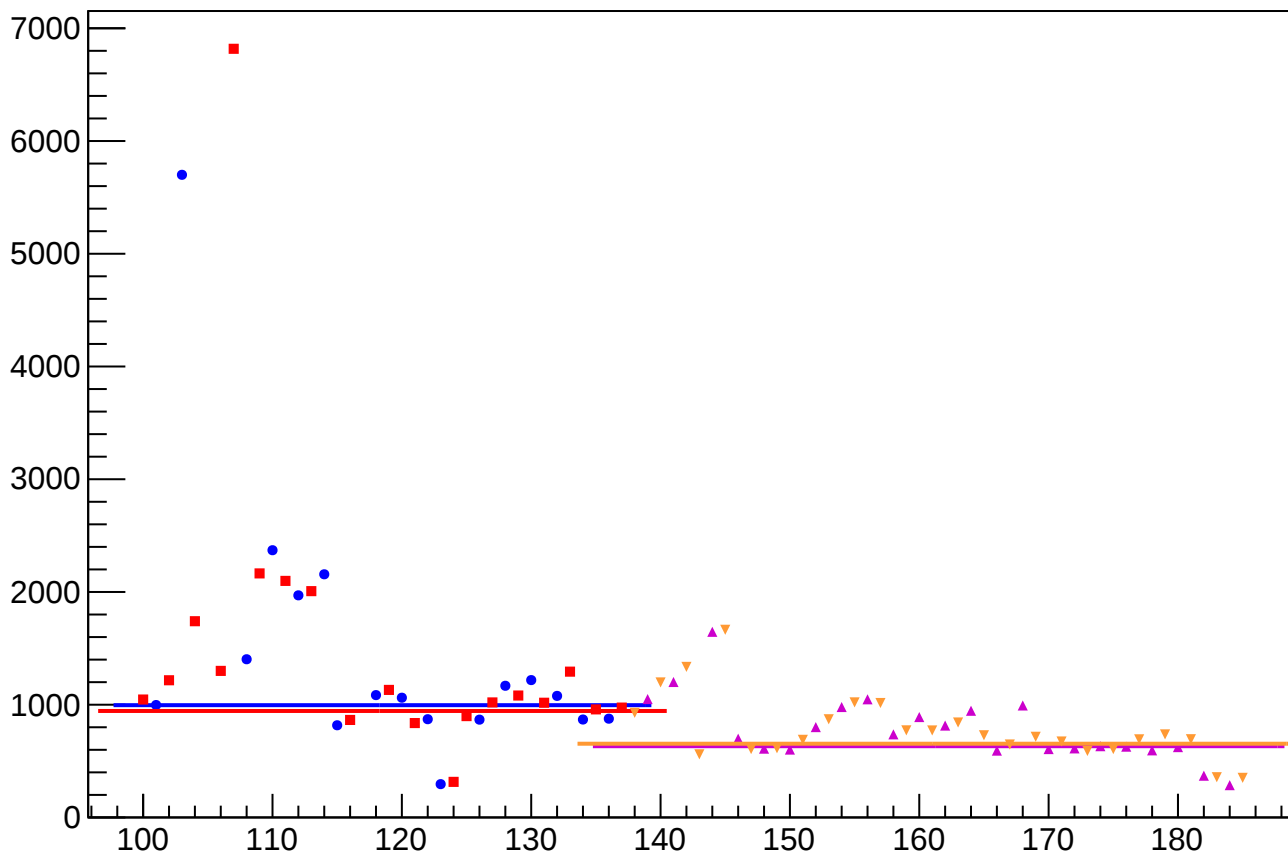
Right: -277.620 ± 293.864 χ^2/NDF : 29.1/35

In: 23.427 ± 151.003 χ^2/NDF : 37.6/39

Out: 215.305 ± 149.628 χ^2/NDF : 47.7/43

All: 120.243 ± 106.286 χ^2/NDF : 86.1/83

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 995.873+/-0.298 χ^2/NDF : 1903000.1/16

Left Out: 653.999+/-0.114 χ^2/NDF : 3250875.9/24

Right Out: 944.562+/-0.290 χ^2/NDF : 2666448.2/18

Left In: 632.053+/-0.114 χ^2/NDF : 3942853.4/22

Left: 643.096+/-0.081 χ^2/NDF : 7212256.9/47

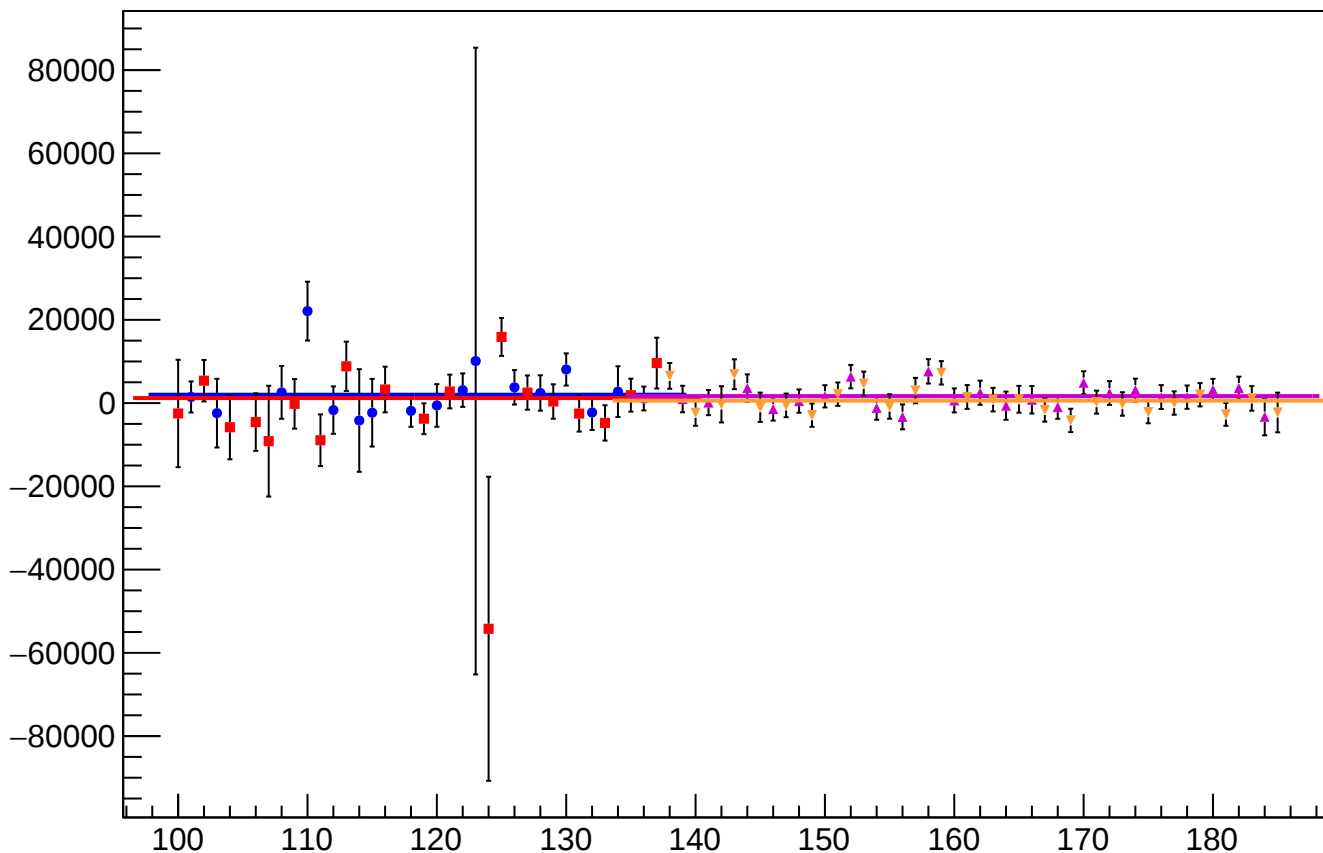
Right: 969.516+/-0.208 χ^2/NDF : 4584680.9/35

In: 678.772+/-0.107 χ^2/NDF : 7145281.5/39

Out: 692.694+/-0.106 χ^2/NDF : 6787956.0/43

All: 685.796+/-0.075 χ^2/NDF : 13941815.5/83

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2009.141+/-1163.584 χ^2/NDF : 14.5/16

Left Out: 596.547+/-597.259 χ^2/NDF : 25.4/24

Right Out: 1208.755+/-1191.039 χ^2/NDF : 26.8/18

Left In: 1679.572+/-610.111 χ^2/NDF : 18.2/22

Left: 1126.533+/-426.797 χ^2/NDF : 45.2/47

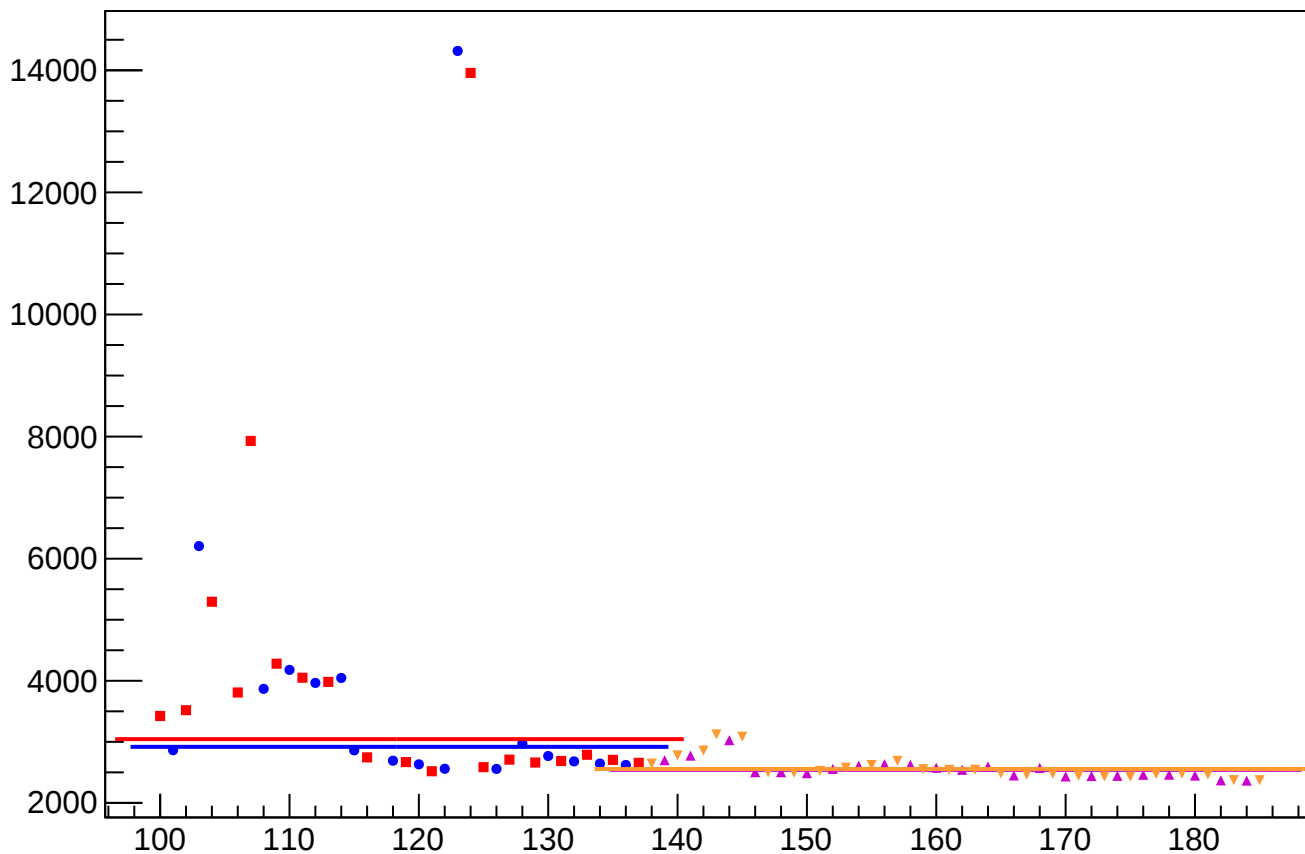
Right: 1618.280+/-832.315 χ^2/NDF : 41.6/35

In: 1750.642+/-540.338 χ^2/NDF : 32.8/39

Out: 719.561+/-533.892 χ^2/NDF : 52.4/43

All: 1228.915+/-379.777 χ^2/NDF : 87.0/83

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2918.002+/-0.823 χ^2/NDF : 636720.5/16

Left Out: 2555.324+/-0.422 χ^2/NDF :154704.8/24

Right Out: 3044.483+/-0.842 χ^2/NDF : 1006712.4/18

Left In: 2540.988+/-0.431 χ^2/NDF :94756.7/22

Left: 2548.309+/-0.302 χ^2/NDF : 250025.4/47

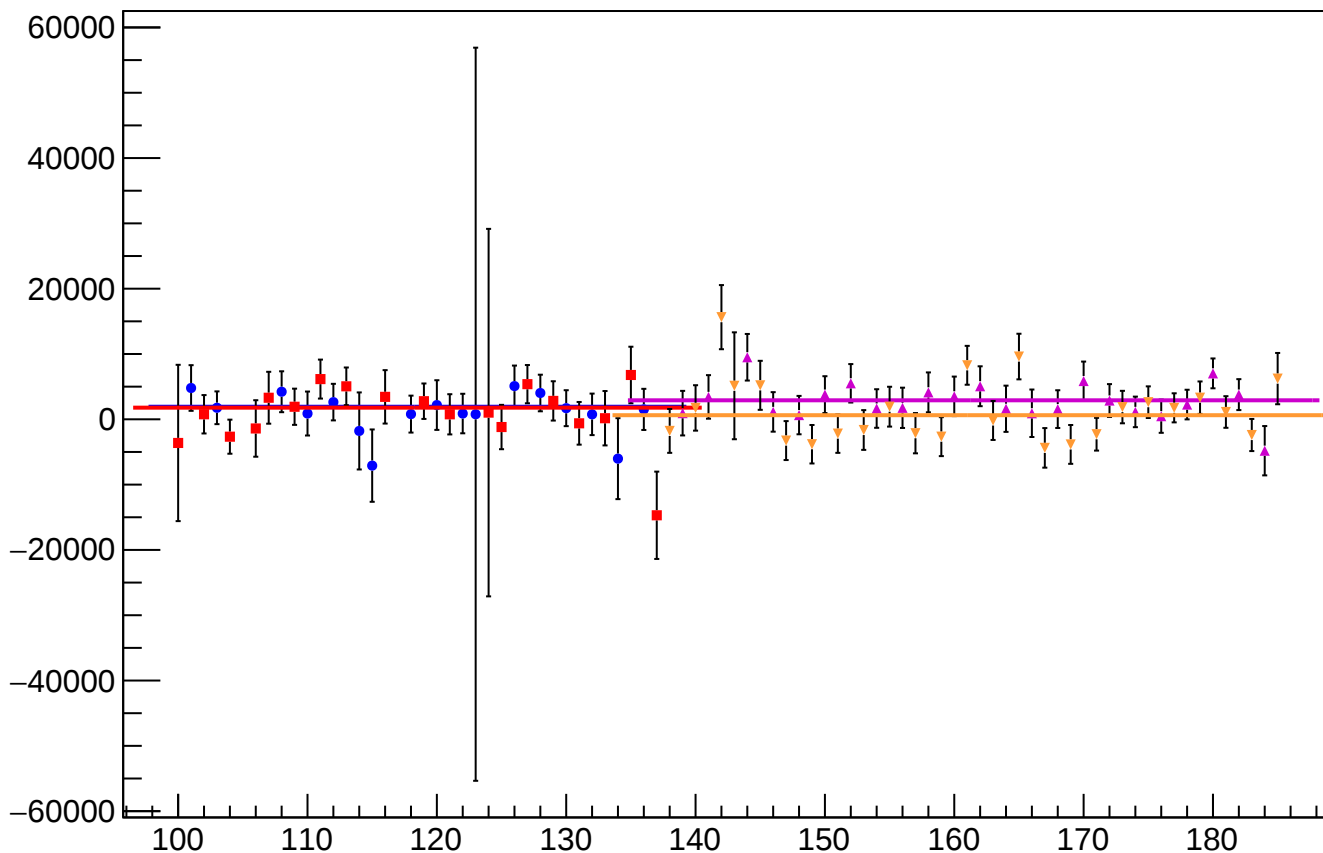
Right: 2979.768+/-0.589 χ^2/NDF : 1654973.1/35

In: 2622.288+/-0.382 χ^2/NDF :896166.0/39

Out: 2653.614+/-0.378 χ^2/NDF :1430980.4/43

All: 2638.139+/-0.269 χ^2/NDF : 2330547.7/83

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1924.076+/-813.616 χ^2/NDF : 8.1/16

Left Out: 628.021+/-591.268 χ^2/NDF : 45.0/24

Right Out: 1783.264+/-792.384 χ^2/NDF : 18.2/18

Left In: 2909.108+/-599.673 χ^2/NDF : 17.4/22

Left: 1752.466+/-421.030 χ^2/NDF : 69.7/47

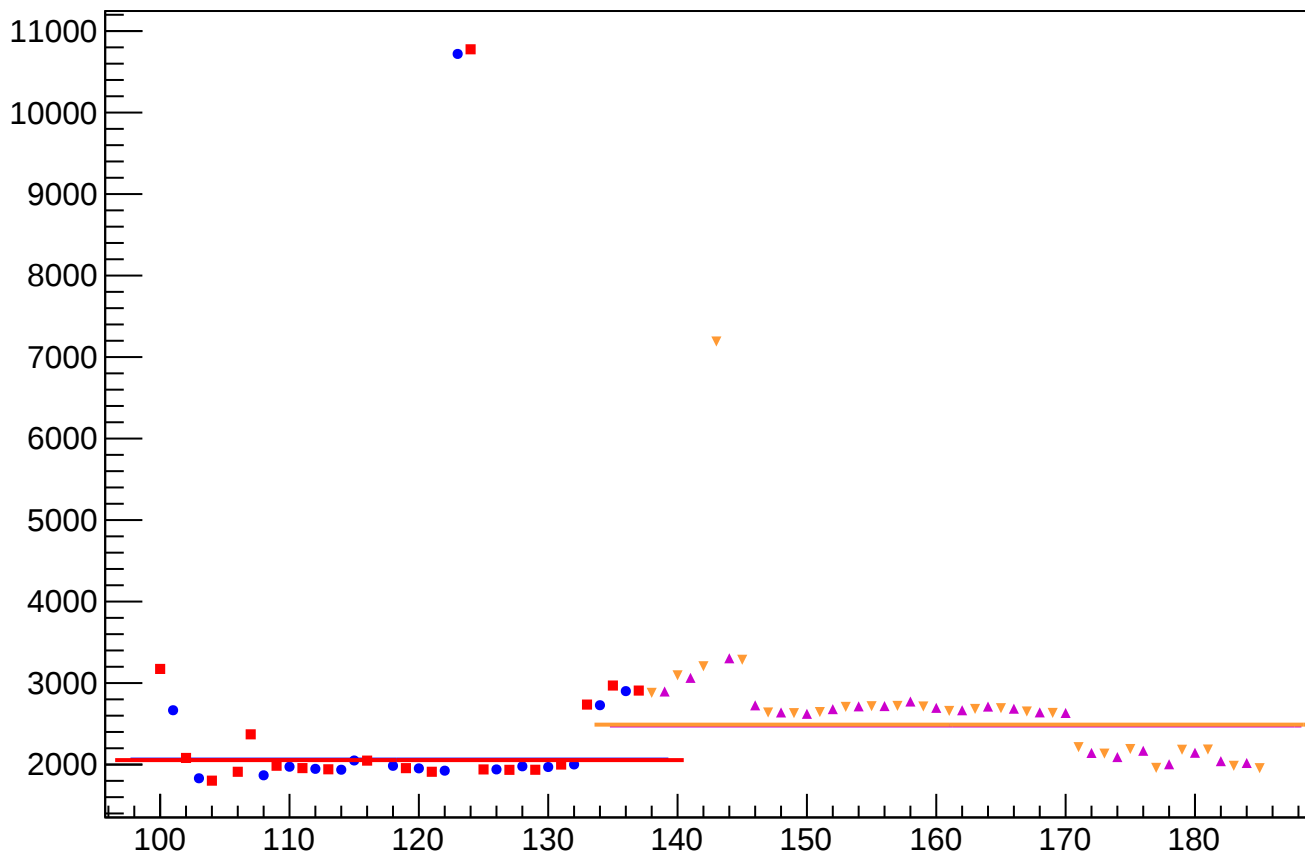
Right: 1851.809+/-567.658 χ^2/NDF : 26.3/35

In: 2562.364+/-482.723 χ^2/NDF : 26.4/39

Out: 1041.200+/-473.880 χ^2/NDF : 64.6/43

All: 1787.721+/-338.167 χ^2/NDF : 96.0/83

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2060.723+/-0.575 χ^2/NDF : 317606.8/16

Left Out: 2489.779+/-0.418 χ^2/NDF :1363628.6/24

Right Out: 2054.686+/-0.560 χ^2/NDF : 441666.4/18

Left In: 2479.348+/-0.424 χ^2/NDF :668398.2/22

Left: 2484.637+/-0.298 χ^2/NDF : 2032333.5/47

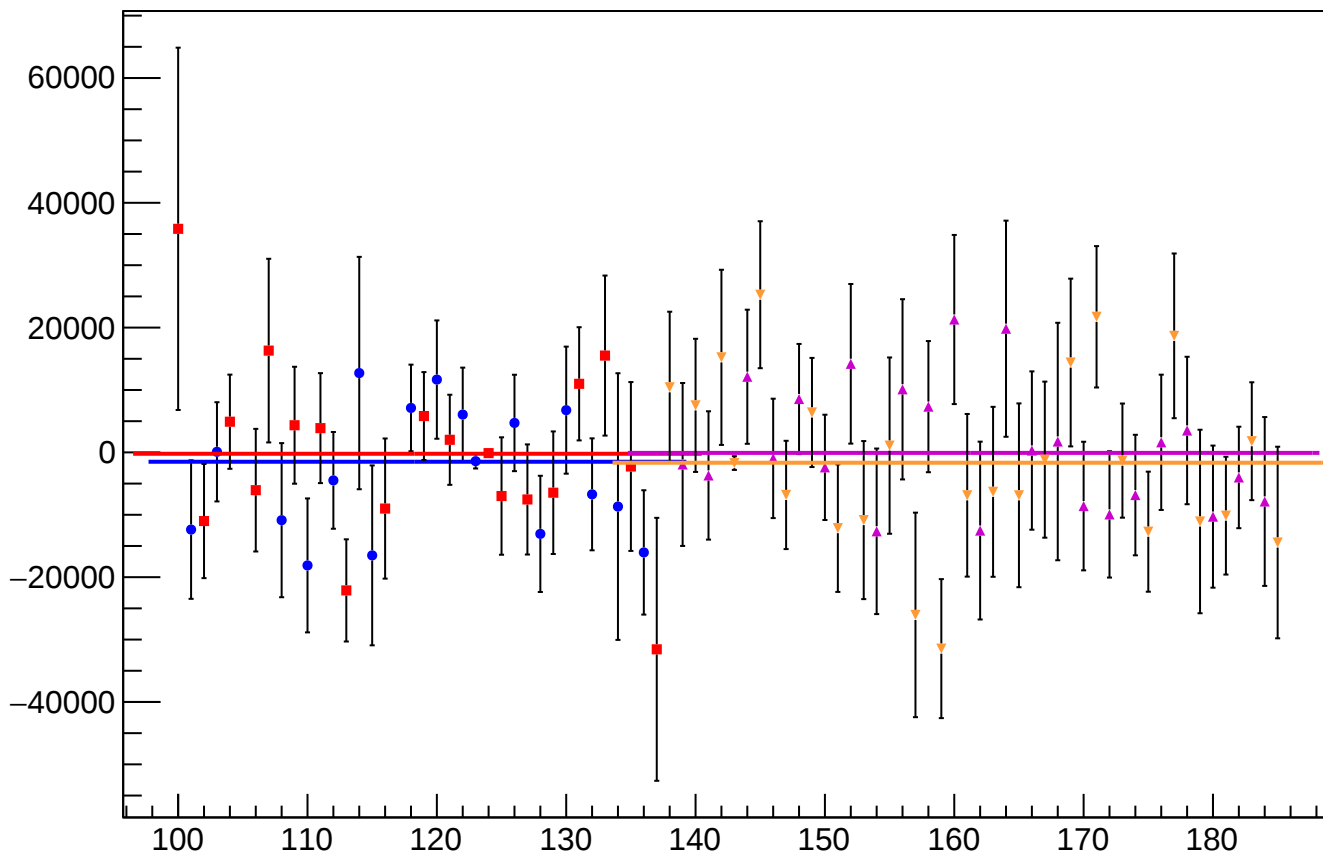
Right: 2057.625+/-0.401 χ^2/NDF : 759329.8/35

In: 2331.987+/-0.341 χ^2/NDF :1329095.7/39

Out: 2334.164+/-0.335 χ^2/NDF :2192635.5/43

All: 2333.096+/-0.239 χ^2/NDF : 3521751.9/83

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -1500.129+/-1054.661 χ^2/NDF : 15.7/16

Left Out: -1657.377+/-993.088 χ^2/NDF : 32.4/24

Right Out: -219.966+/-695.338 χ^2/NDF : 21.0/18

Left In: -80.274+/-2331.531 χ^2/NDF : 13.8/22

Left: -1415.192+/-913.661 χ^2/NDF : 46.6/47

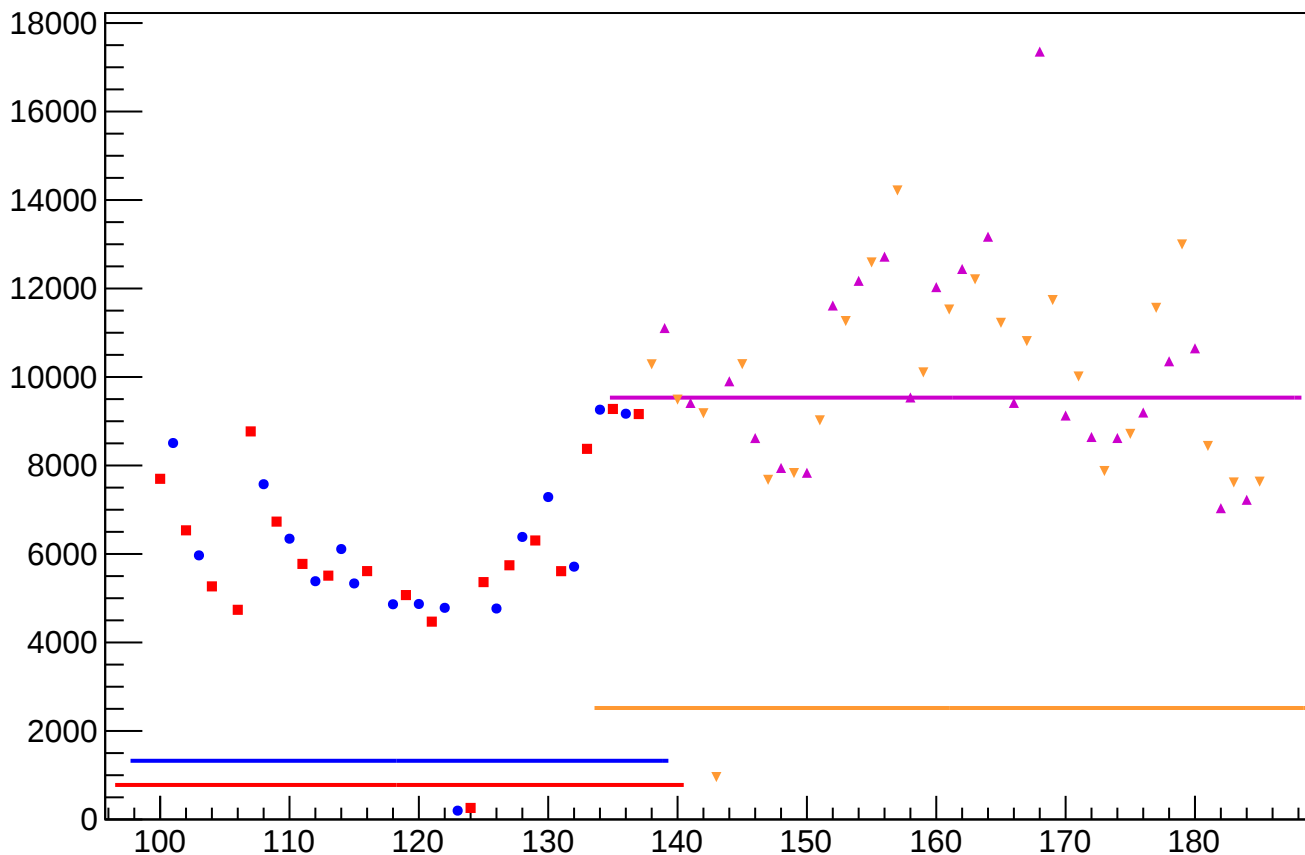
Right: -607.828+/-580.522 χ^2/NDF : 37.7/35

In: -1258.950+/-960.923 χ^2/NDF : 29.8/39

Out: -692.832+/-569.595 χ^2/NDF : 54.8/43

All: -840.026+/-489.982 χ^2/NDF : 84.9/83

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1326.061+/-0.746

χ^2/NDF : 10027581.6/16

Left Out: 2518.992+/-0.702

χ^2/NDF : 23637546.2/24

Right Out: 779.806+/-0.492

χ^2/NDF : 11406365.3/18

Left In: 9533.563+/-1.649

χ^2/NDF : 1316640.0/22

Left: 3596.174+/-0.646

χ^2/NDF : 40277201.5/47

Right: 945.309+/-0.410

χ^2/NDF : 21807921.5/35

In: 2720.198+/-0.679

χ^2/NDF : 31918292.9/39

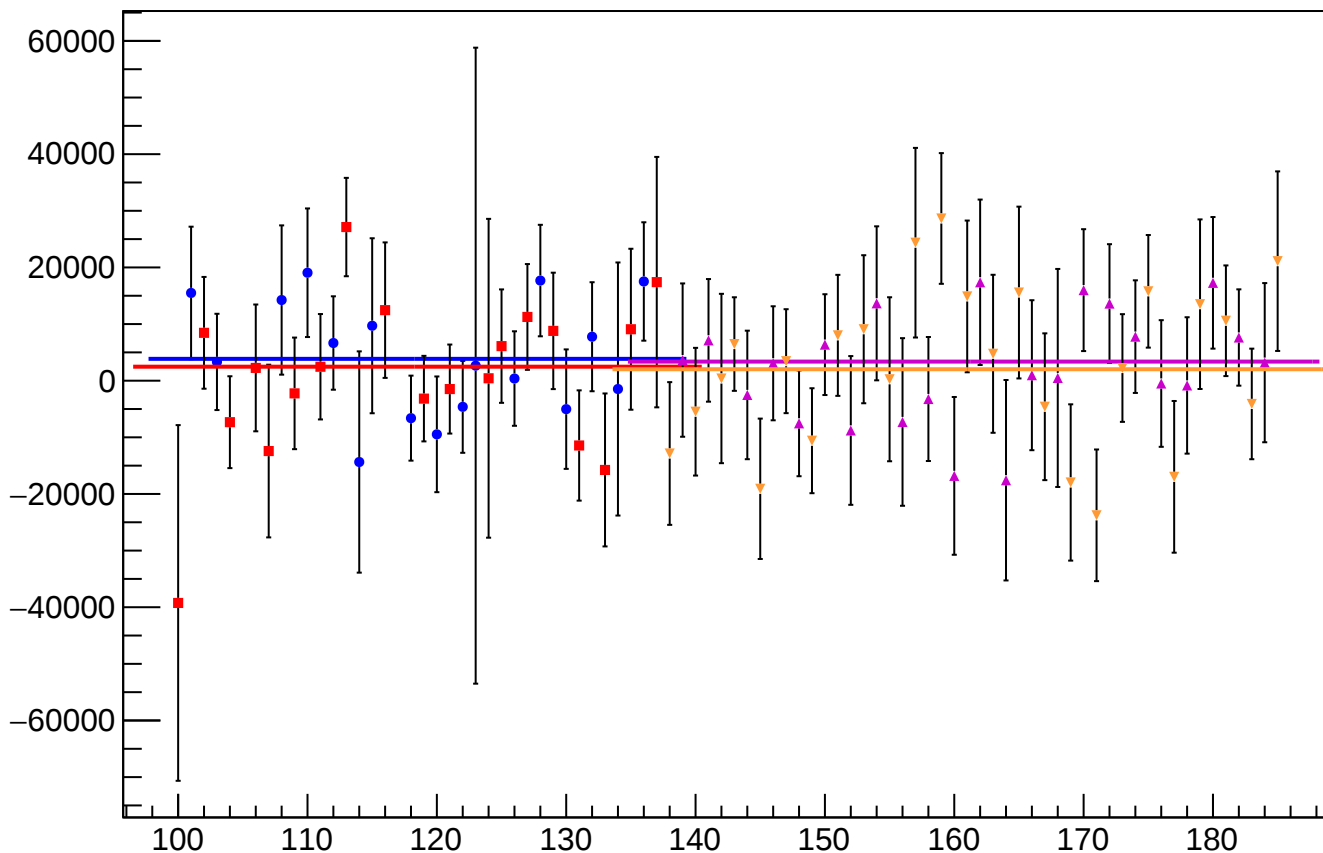
Out: 1351.947+/-0.403

χ^2/NDF : 39160031.3/43

All: 1707.701+/-0.346

χ^2/NDF : 74078956.1/8

asym_atl2_mean vs Slug, Sign Corrected



Right In: 3858.326+/-2543.101 χ^2/NDF : 14.1/16

Left Out: 2023.295+/-2333.845 χ^2/NDF : 30.8/24

Right Out: 2474.681+/-2426.960 χ^2/NDF : 20.3/18

Left In: 3371.931+/-2423.242 χ^2/NDF : 13.1/22

Left: 2672.278+/-1680.993 χ^2/NDF : 44.1/47

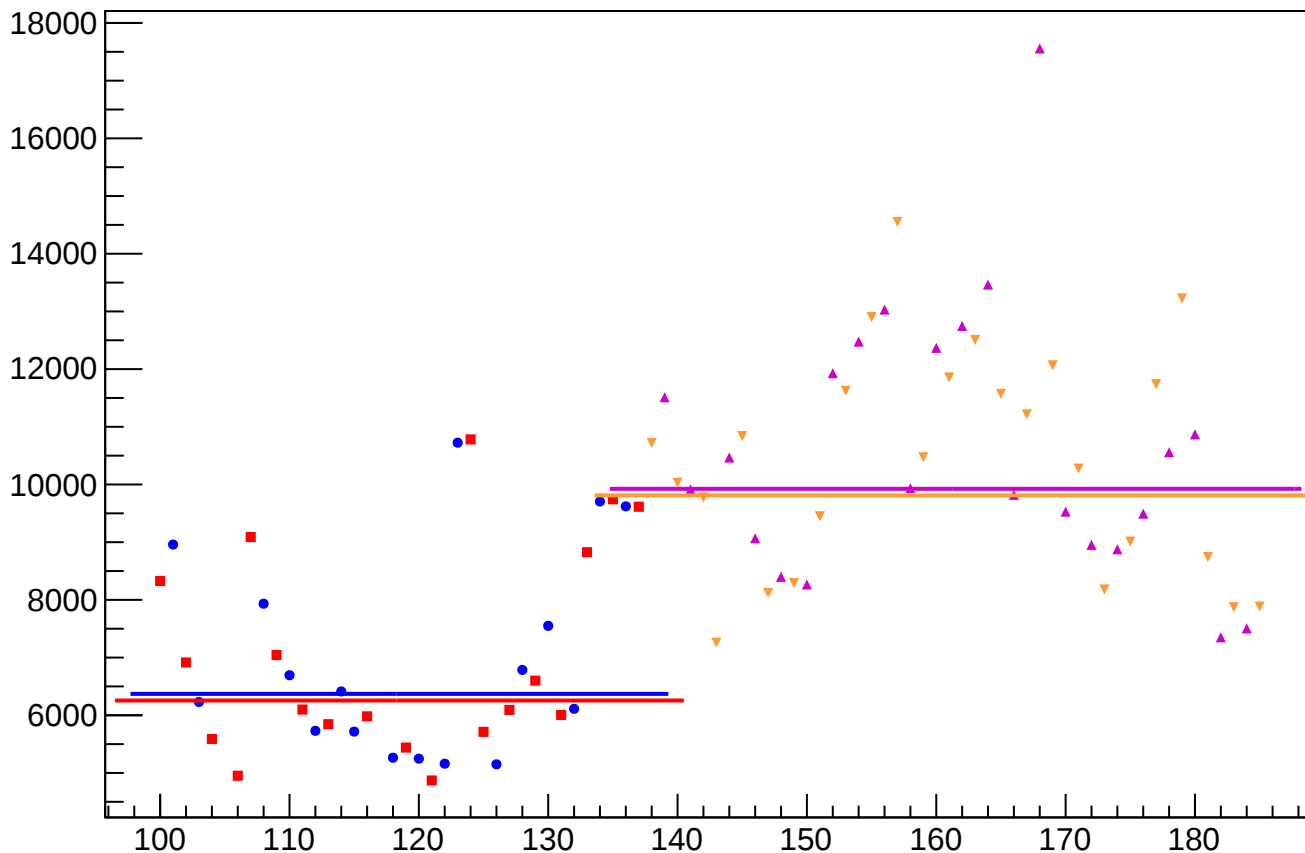
Right: 3134.188+/-1755.743 χ^2/NDF : 34.5/35

In: 3603.396+/-1754.334 χ^2/NDF : 27.2/39

Out: 2240.163+/-1682.233 χ^2/NDF : 51.1/43

All: 2893.191+/-1214.208 χ^2/NDF : 78.6/83

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6370.939+/-1.798 χ^2/NDF : 578725.9/16

Left Out: 9811.249+/-1.650 χ^2/NDF : 1213964.4/24

Right Out: 6255.569+/-1.716 χ^2/NDF : 532740.6/18

Left In: 9925.337+/-1.713 χ^2/NDF : 1211554.7/22

Left: 9866.150+/-1.189 χ^2/NDF : 2427818.9/47

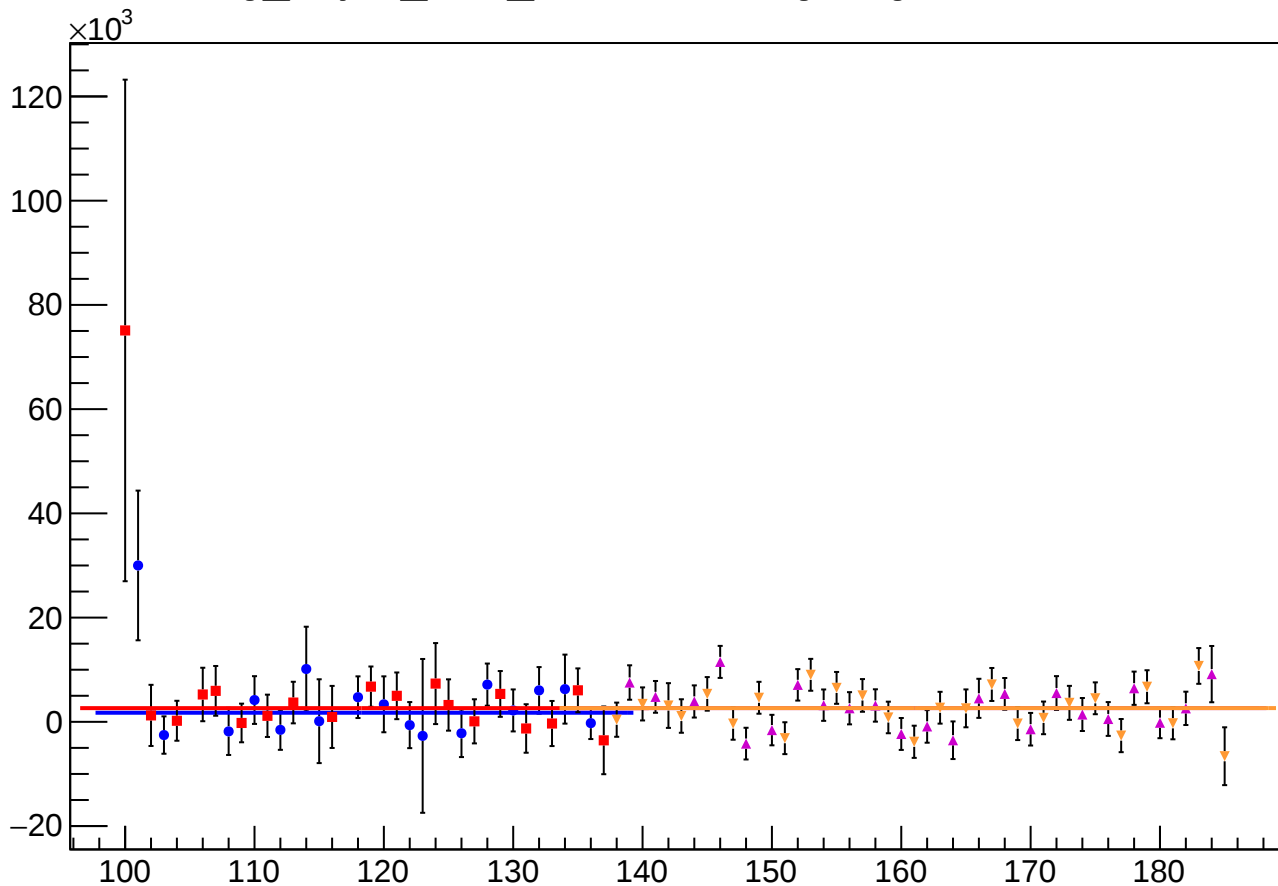
Right: 6310.557+/-1.241 χ^2/NDF : 1113620.8/35

In: 8233.862+/-1.240 χ^2/NDF : 3837988.1/39

Out: 8102.845+/-1.189 χ^2/NDF : 3977191.1/43

All: 8165.605+/-0.859 χ^2/NDF : 7820990.7/83

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1745.509+/-1131.300 χ^2/NDF : 13.4/16

Left Out: 2635.781+/-646.201 χ^2/NDF : 35.1/24

Right Out: 2628.839+/-1074.553 χ^2/NDF : 9.6/18

Left In: 2638.607+/-664.569 χ^2/NDF : 35.2/22

Left: 2637.155+/-463.291 χ^2/NDF : 70.3/47

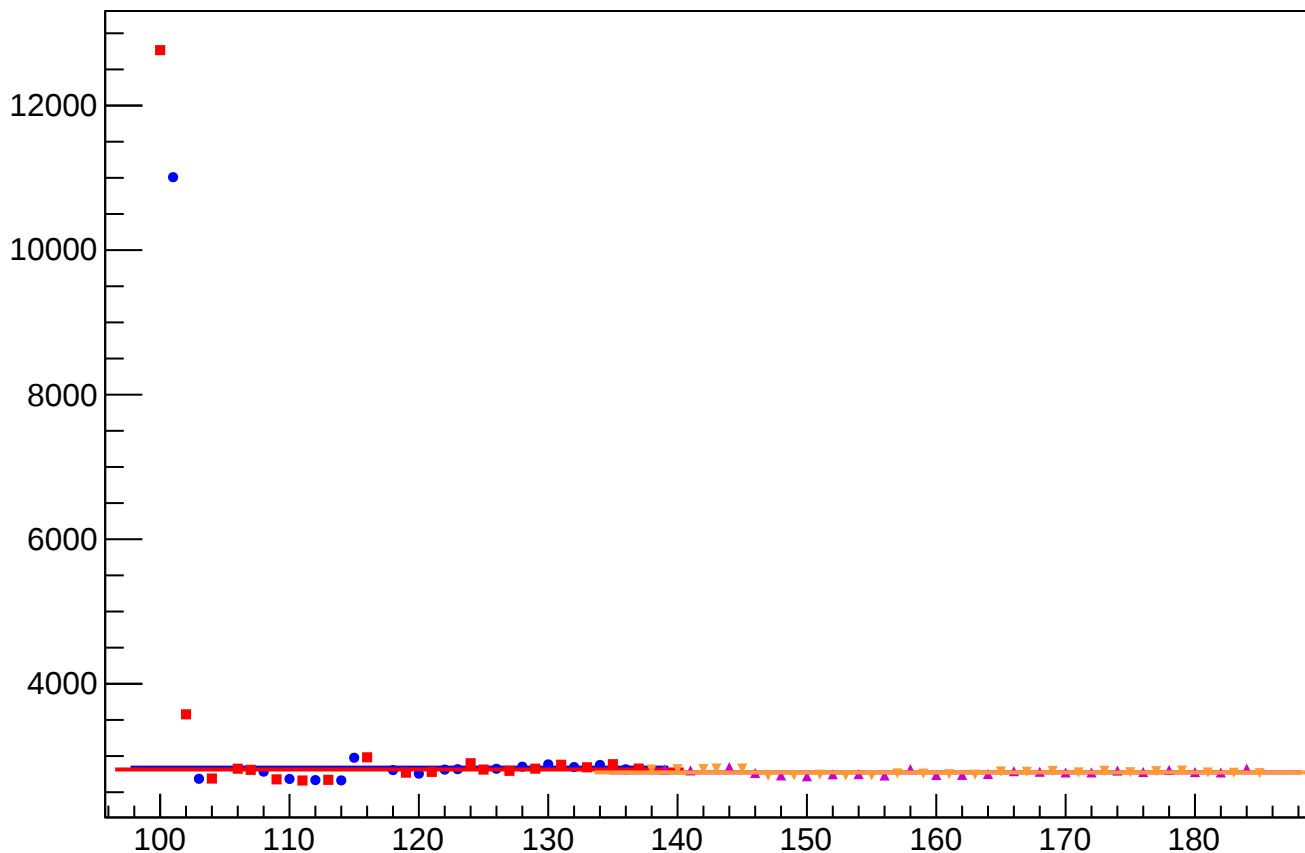
Right: 2209.883+/-779.113 χ^2/NDF : 23.4/35

In: 2409.481+/-573.015 χ^2/NDF : 49.1/39

Out: 2633.938+/-553.778 χ^2/NDF : 44.7/43

All: 2525.540+/-398.207 χ^2/NDF : 93.9/83

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2840.326+/-0.800 χ^2/NDF : 660130.0/16

Left Out: 2773.709+/-0.457 χ^2/NDF : 4616.7/24

Right Out: 2814.625+/-0.760 χ^2/NDF : 133037.9/18

Left In: 2774.036+/-0.470 χ^2/NDF : 4985.3/22

Left: 2773.868+/-0.328 χ^2/NDF : 9602.3/47

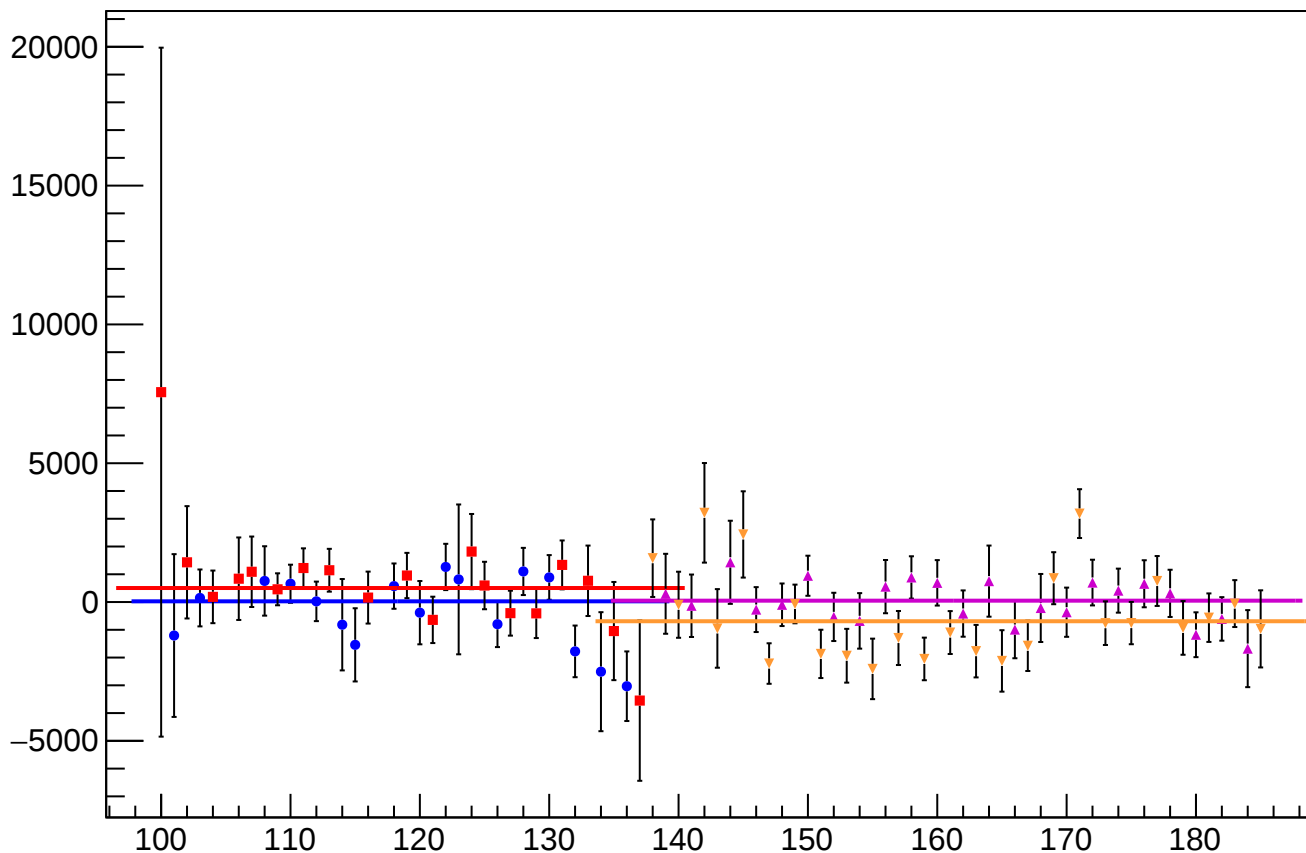
Right: 2826.815+/-0.551 χ^2/NDF : 793710.6/35

In: 2791.043+/-0.405 χ^2/NDF : 670220.6/39

Out: 2784.576+/-0.392 χ^2/NDF : 139784.2/43

All: 2787.699+/-0.282 χ^2/NDF : 810136.6/83

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: 25.744 $\pm$ 242.455 χ^2/NDF : 20.8/16

Left Out: -691.779 $\pm$ 187.327 χ^2/NDF :56.0/24

Right Out: 504.940 $\pm$ 222.180 χ^2/NDF : 11.9/18

Left In: 49.244 $\pm$ 189.190 χ^2/NDF :13.6/22

Left: -324.934 $\pm$ 133.114 χ^2/NDF : 77.4/47

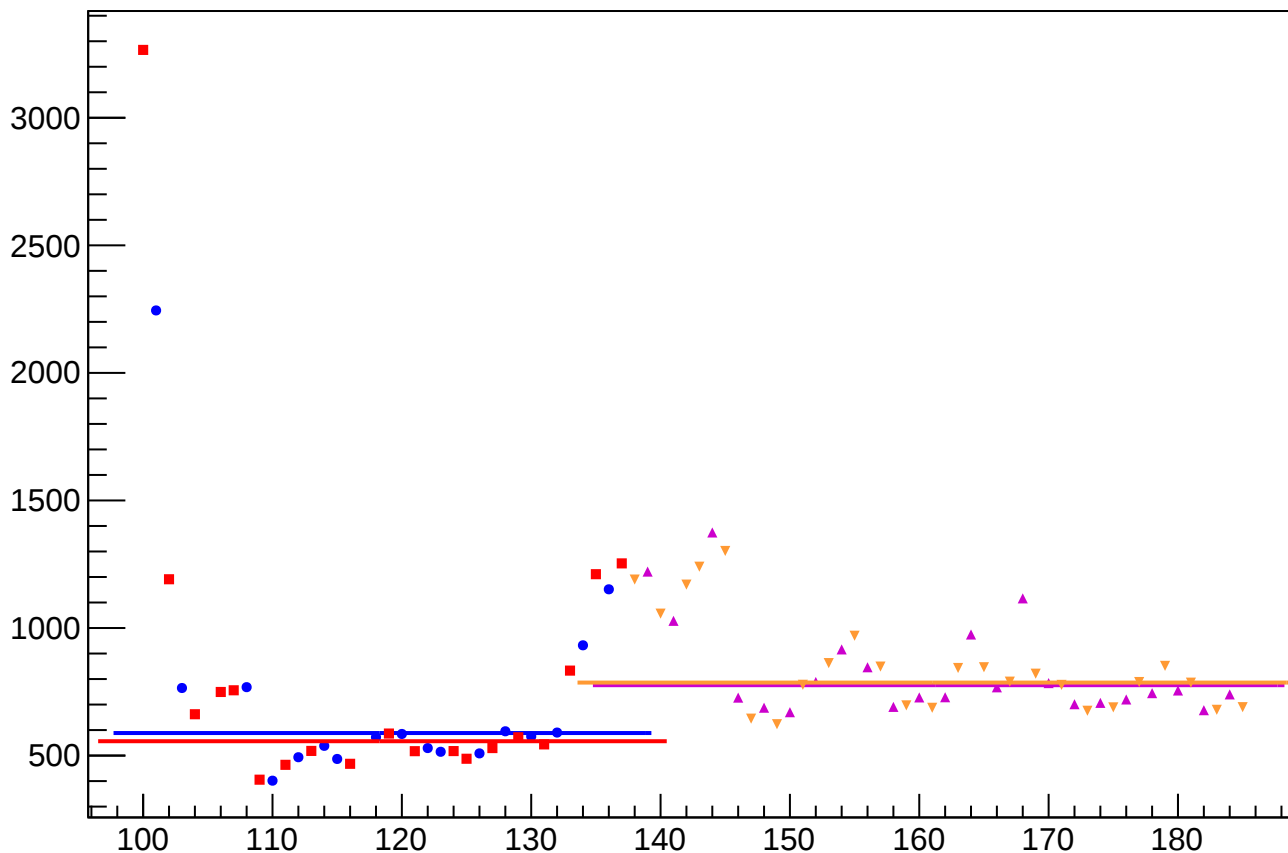
Right: 286.213 $\pm$ 163.805 χ^2/NDF : 34.8/35

In: 40.350 $\pm$ 149.154 χ^2/NDF :34.4/39

Out: -194.539 $\pm$ 143.216 χ^2/NDF :84.9/43

All: -81.863 $\pm$ 103.305 χ^2/NDF : 120.6/83

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 588.381+/-0.171 χ^2/NDF : 1423934.9/16

Left Out: 786.194+/-0.132 χ^2/NDF :1249481.6/24

Right Out: 556.282+/-0.157 χ^2/NDF : 1104898.6/18

Left In: 775.930+/-0.134 χ^2/NDF :1056766.5/22

Left: 781.113+/-0.094 χ^2/NDF : 2309220.7/47

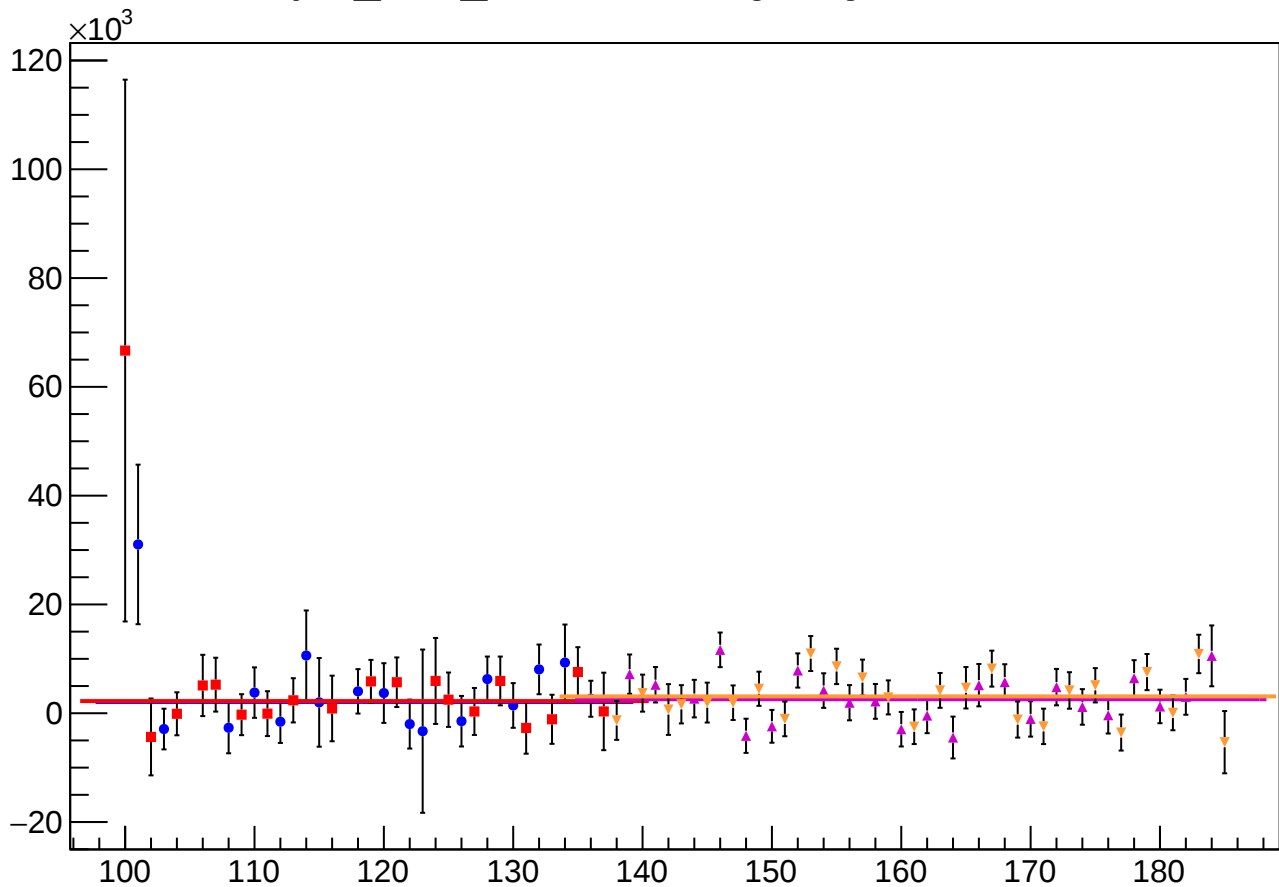
Right: 570.933+/-0.116 χ^2/NDF : 2547887.1/35

In: 704.952+/-0.105 χ^2/NDF :3224533.8/39

Out: 690.665+/-0.101 χ^2/NDF :3606160.7/43

All: 697.519+/-0.073 χ^2/NDF : 6840241.9/83

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2083.008 $\pm$ 1167.281 χ^2 /NDF: 14.5/16

Left Out: 3093.873 $\pm$ 678.597 χ^2 /NDF: 38.7/24

Right Out: 2234.490 $\pm$ 1113.044 χ^2 /NDF: 9.9/18

Left In: 2573.184 $\pm$ 695.795 χ^2 /NDF: 35.7/22

Left: 2840.043 $\pm$ 485.807 χ^2 /NDF: 74.6/47

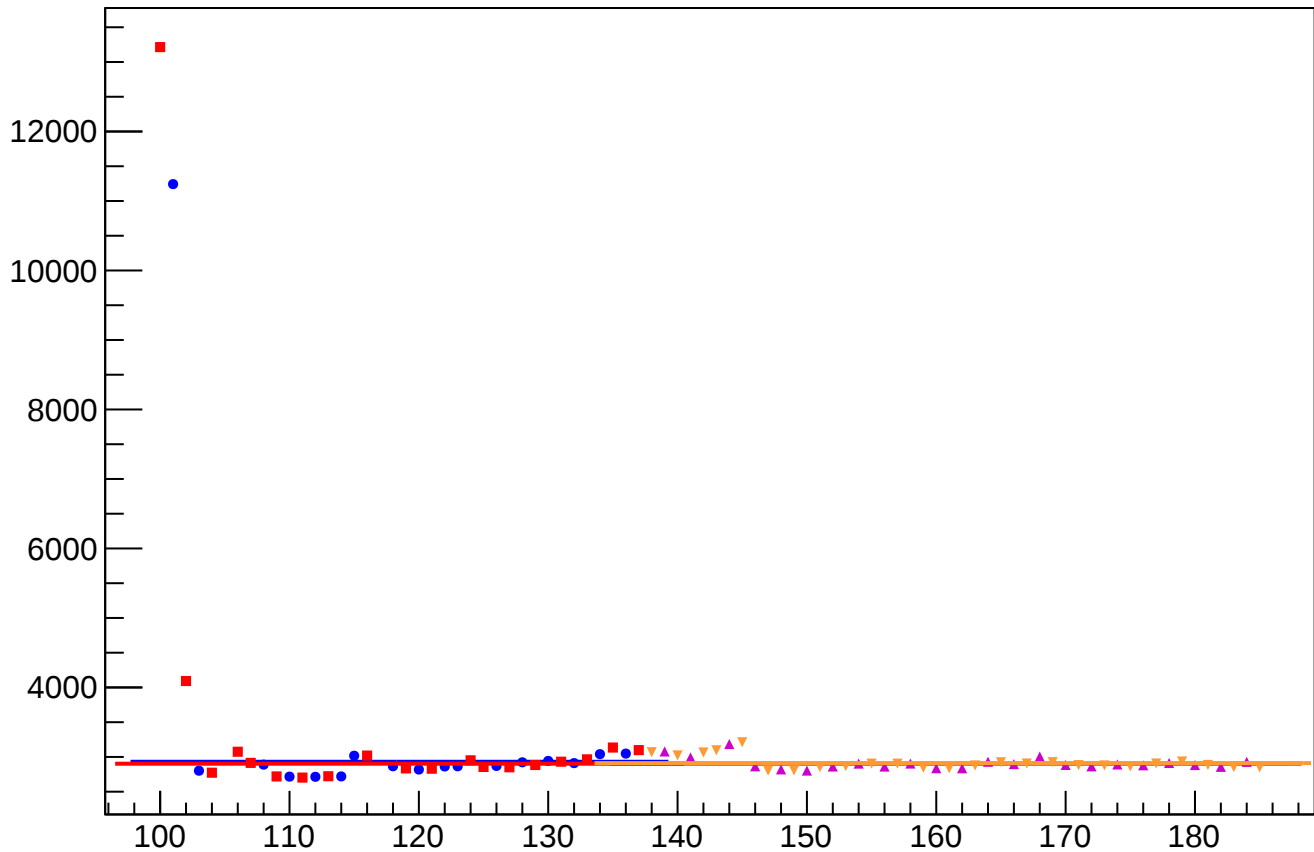
Right: 2162.350 $\pm$ 805.533 χ^2 /NDF: 24.4/35

In: 2444.678 $\pm$ 597.670 χ^2 /NDF: 50.3/39

Out: 2860.997 $\pm$ 579.404 χ^2 /NDF: 49.0/43

All: 2659.296 $\pm$ 416.008 χ^2 /NDF: 99.6/83

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2930.563+/-0.825 χ^2/NDF : 662106.1/16

Left Out: 2911.233+/-0.480 χ^2/NDF : 36644.4/24

Right Out: 2902.768+/-0.787 χ^2/NDF : 169439.3/18

Left In: 2903.411+/-0.492 χ^2/NDF : 28838.5/22

Left: 2907.420+/-0.344 χ^2/NDF : 65612.5/47

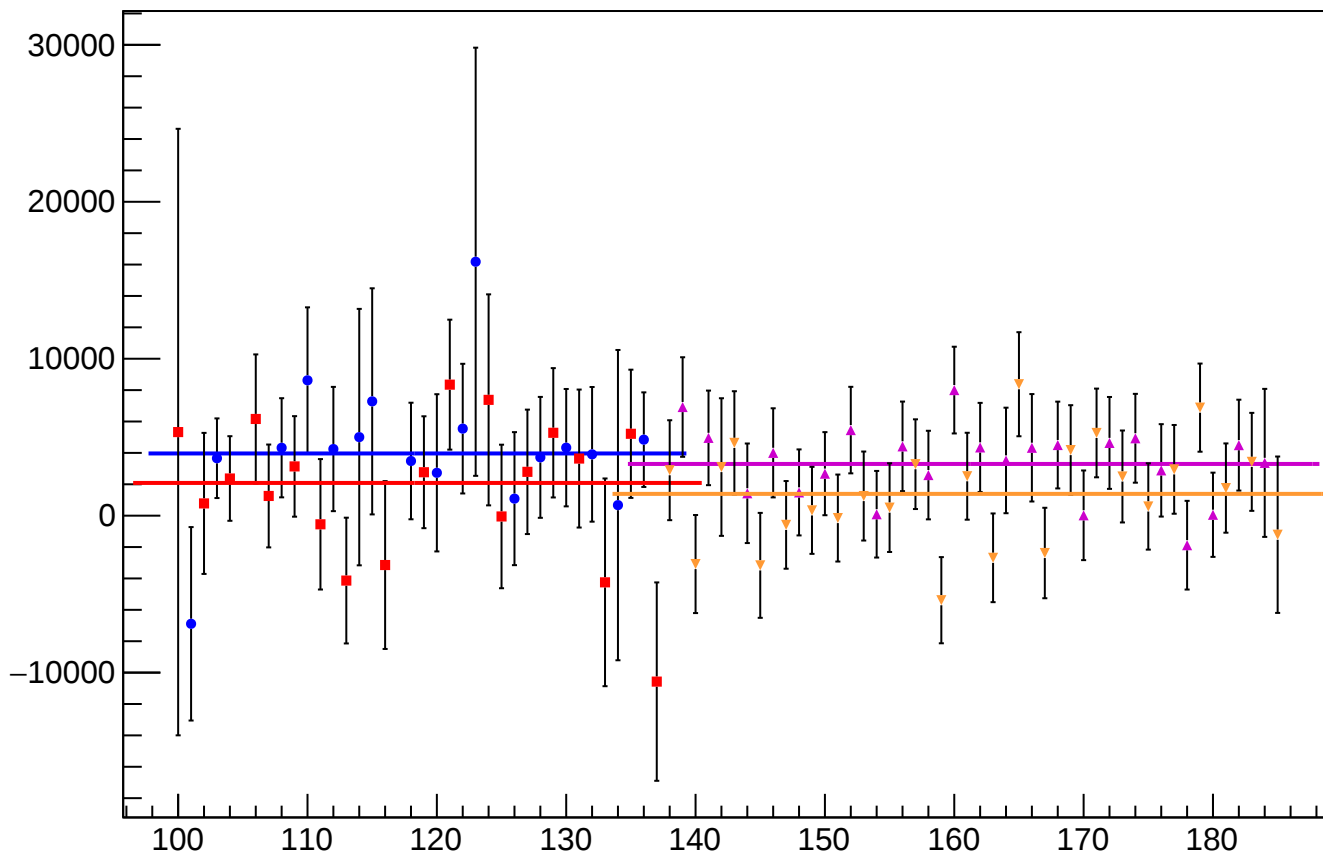
Right: 2916.005+/-0.570 χ^2/NDF : 832139.4/35

In: 2910.529+/-0.423 χ^2/NDF : 691743.1/39

Out: 2908.939+/-0.410 χ^2/NDF : 206168.0/43

All: 2909.709+/-0.294 χ^2/NDF : 897918.5/83

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3964.122+/-1014.452 χ^2/NDF : 6.1/16

Left Out: 1388.314+/-596.592 χ^2/NDF :29.1/24

Right Out: 2085.504+/-960.571 χ^2/NDF : 14.5/18

Left In: 3295.367+/-609.991 χ^2/NDF :14.9/22

Left: 2320.664+/-426.513 χ^2/NDF : 49.0/47

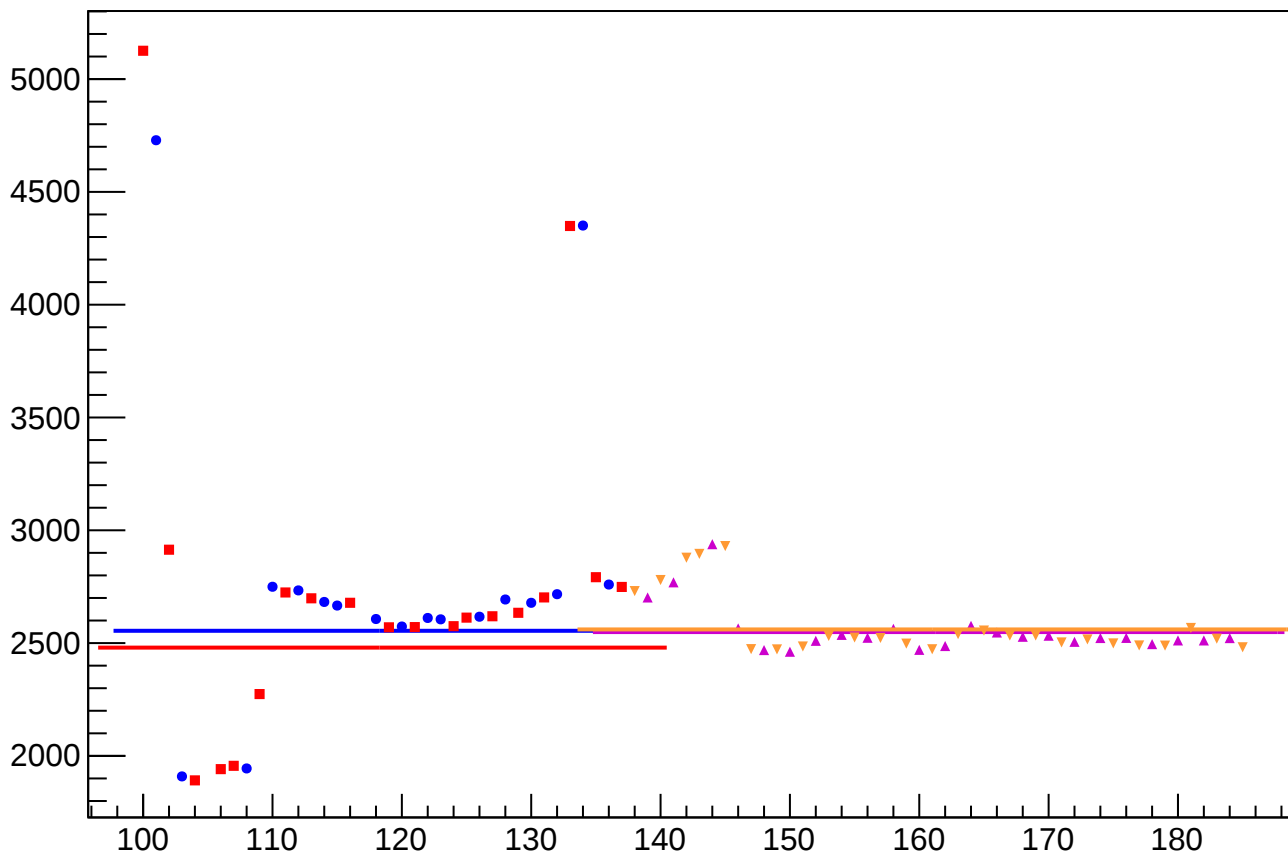
Right: 2973.600+/-697.497 χ^2/NDF : 22.4/35

In: 3472.955+/-522.763 χ^2/NDF :21.3/39

Out: 1582.387+/-506.800 χ^2/NDF :44.0/43

All: 2498.365+/-363.874 χ^2/NDF : 72.0/83

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2554.506+/-0.717 χ^2/NDF : 545770.3/16

Left Out: 2560.534+/-0.422 χ^2/NDF : 86772.8/24

Right Out: 2479.954+/-0.679 χ^2/NDF : 450311.6/18

Left In: 2548.870+/-0.431 χ^2/NDF : 55266.2/22

Left: 2554.831+/-0.302 χ^2/NDF : 142412.7/47

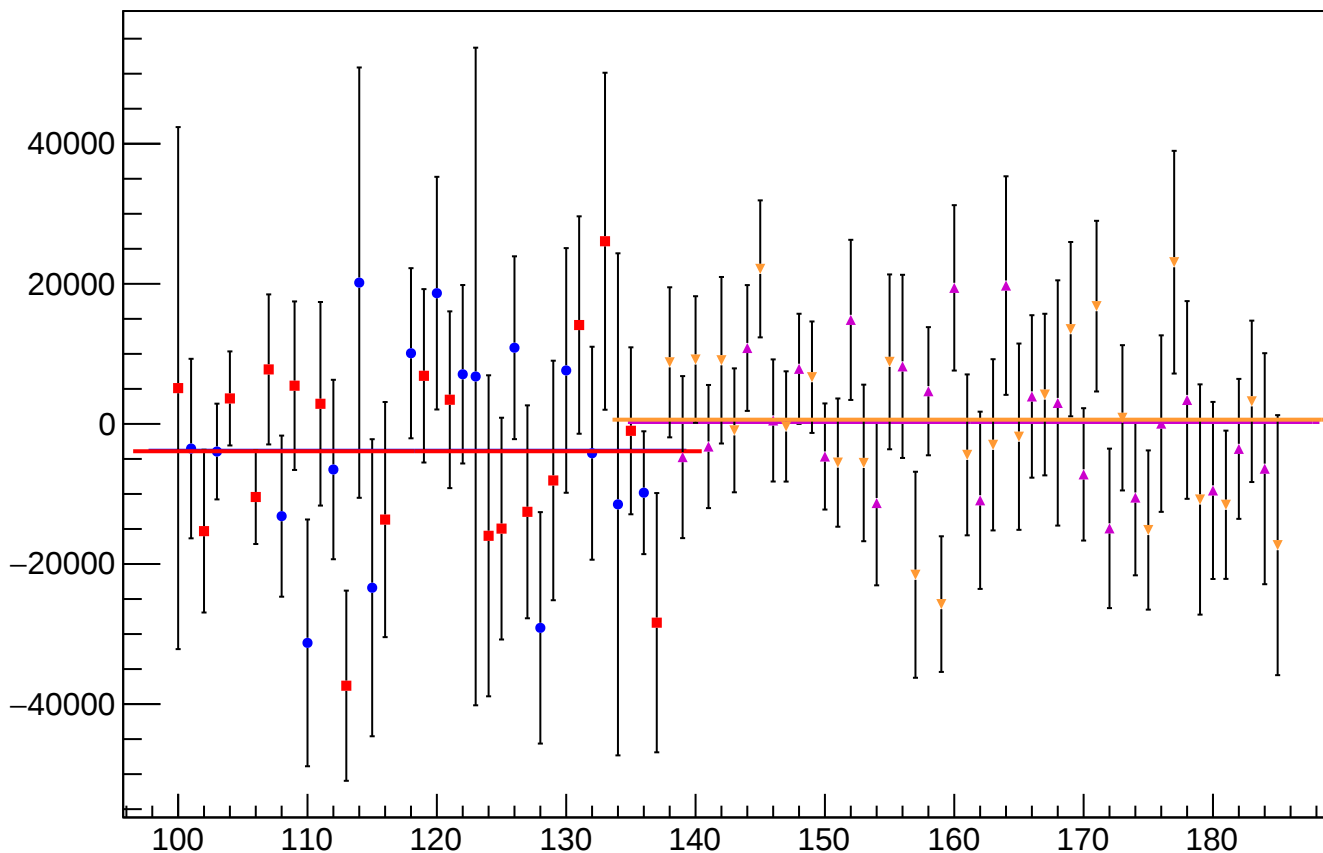
Right: 2515.198+/-0.493 χ^2/NDF : 1001777.2/35

In: 2550.366+/-0.370 χ^2/NDF : 601081.8/39

Out: 2538.103+/-0.358 χ^2/NDF : 547240.8/43

All: 2544.045+/-0.257 χ^2/NDF : 1148890.0/83

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: -3830.114+/-3234.150 χ^2/NDF : 13.1/16

Left Out: 605.410+/-2184.577 χ^2/NDF : 28.3/24

Right Out: -3902.239+/-2838.290 χ^2/NDF : 18.6/18

Left In: 275.116+/-2242.836 χ^2/NDF : 15.7/22

Left: 444.609+/-1564.920 χ^2/NDF : 44.0/47

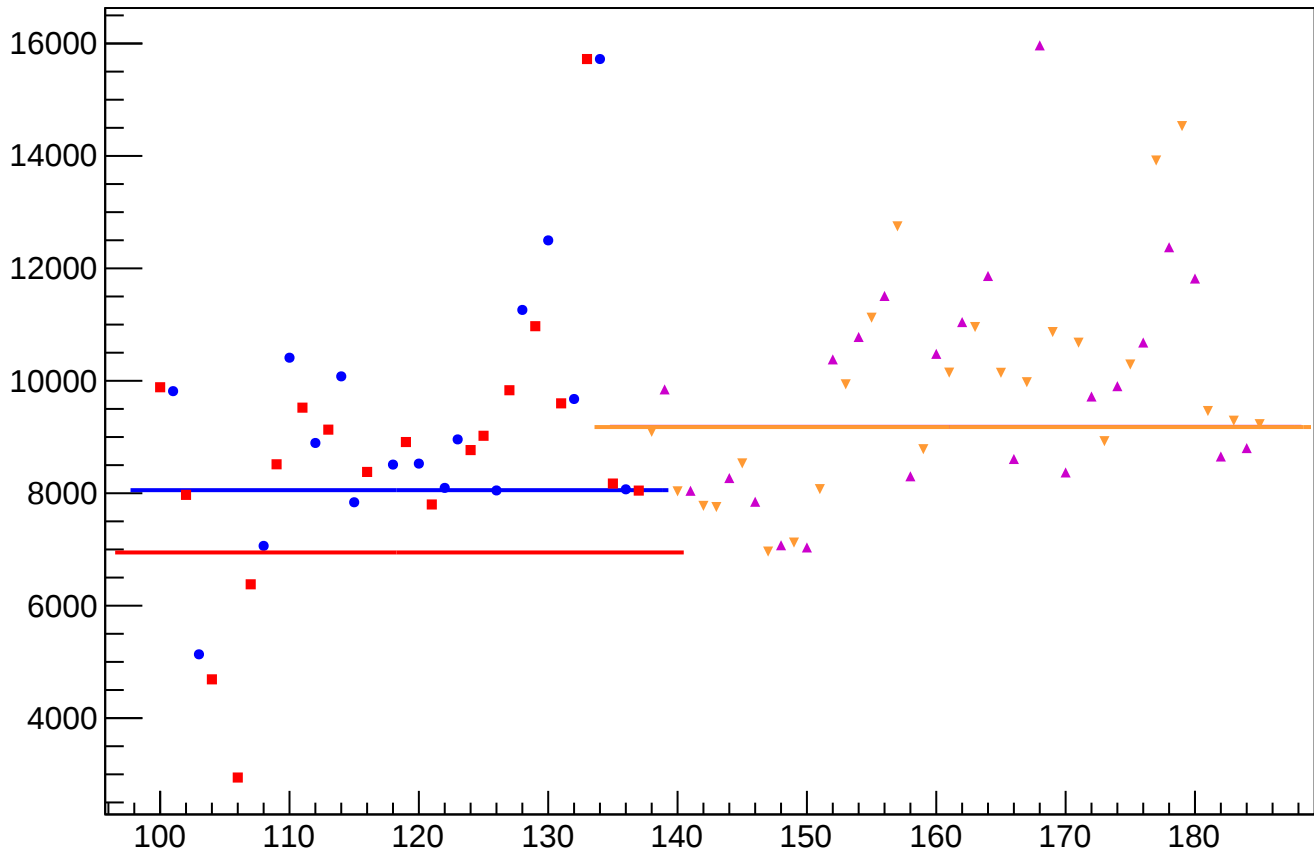
Right: -3870.858+/-2133.280 χ^2/NDF : 31.7/35

In: -1058.037+/-1843.026 χ^2/NDF : 29.9/39

Out: -1071.527+/-1731.171 χ^2/NDF : 48.5/43

All: -1065.204+/-1261.814 χ^2/NDF : 78.3/83

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 8054.857 $\pm$ 2.287 χ^2 /NDF: 795337.9/16

Left Out: 9177.360 $\pm$ 1.545 χ^2 /NDF:1176164.7/24

Right Out: 6946.742 $\pm$ 2.007 χ^2 /NDF: 1776702.0/18

Left In: 9181.254 $\pm$ 1.586 χ^2 /NDF:1236469.7/22

Left: 9179.256 $\pm$ 1.107 χ^2 /NDF: 2412637.5/47

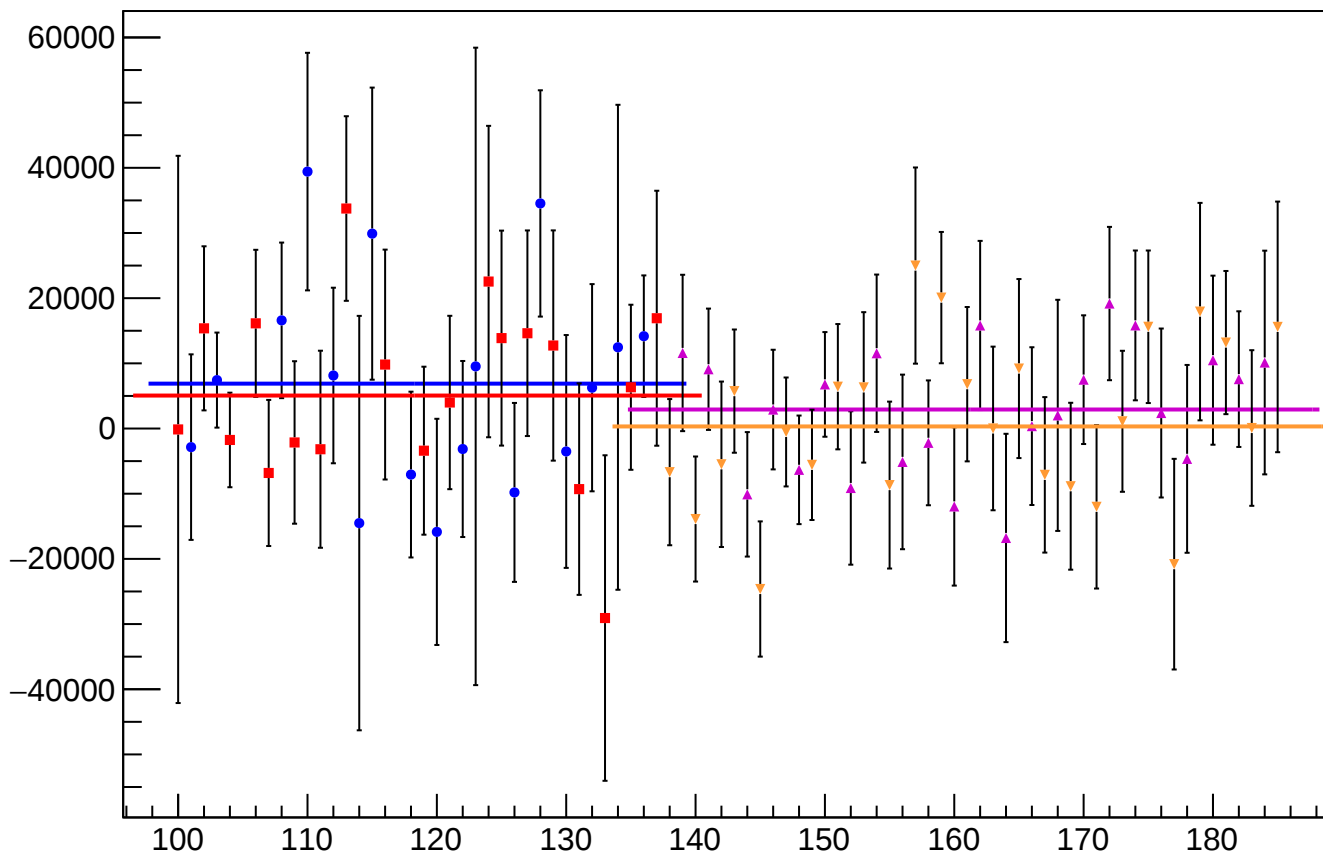
Right: 7428.868 $\pm$ 1.508 χ^2 /NDF: 2704676.1/35

In: 8815.462 $\pm$ 1.303 χ^2 /NDF:2195625.1/39

Out: 8347.524 $\pm$ 1.224 χ^2 /NDF:3728600.0/43

All: 8566.864 $\pm$ 0.892 χ^2 /NDF: 5992719.4/83

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6886.765+/-3417.693 χ^2/NDF : 14.3/16

Left Out: 320.070+/-2281.899 χ^2/NDF : 26.2/24

Right Out: 5059.238+/-3173.297 χ^2/NDF : 13.3/18

Left In: 2918.356+/-2338.461 χ^2/NDF : 14.9/22

Left: 1587.410+/-1633.177 χ^2/NDF : 41.8/47

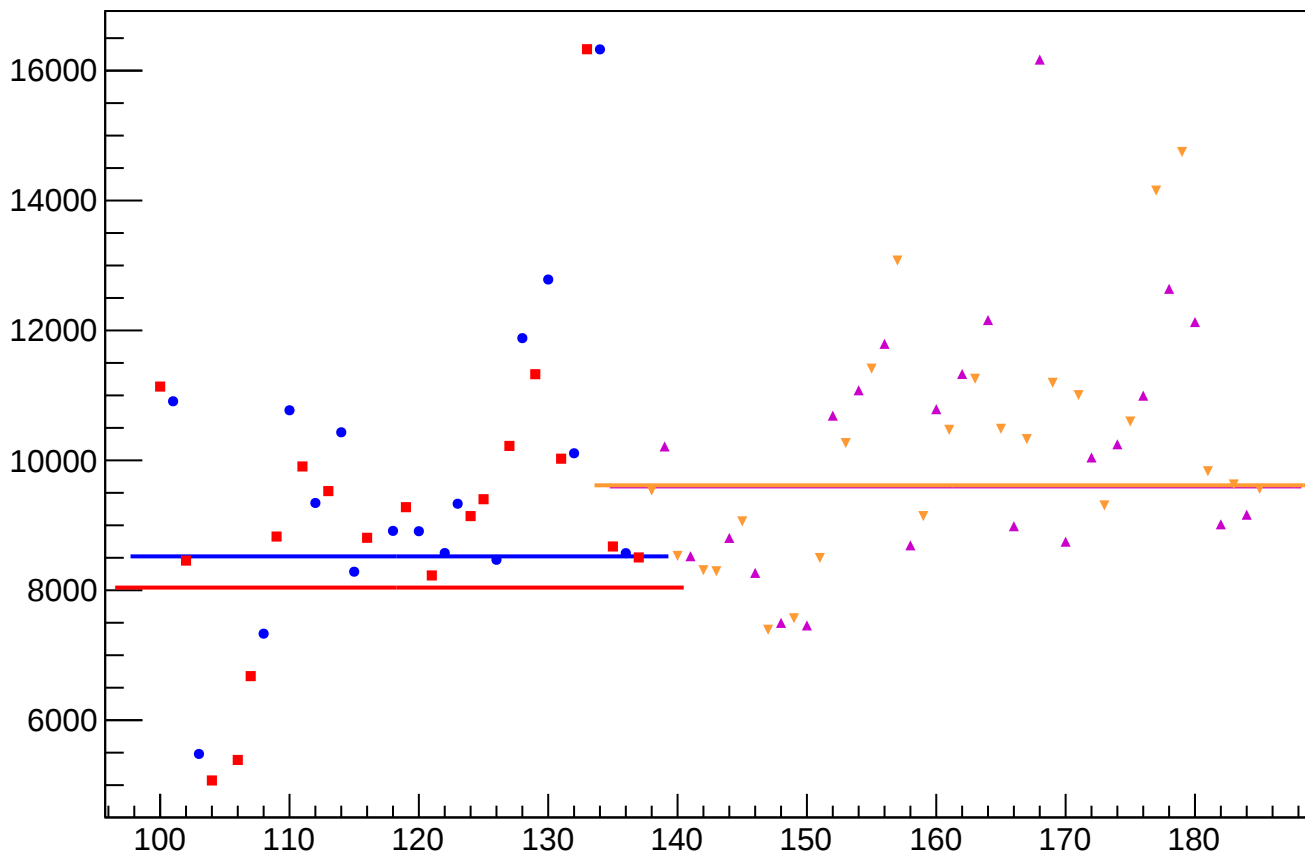
Right: 5905.330+/-2325.465 χ^2/NDF : 27.8/35

In: 4183.784+/-1929.938 χ^2/NDF : 30.1/39

Out: 1935.397+/-1852.635 χ^2/NDF : 41.0/43

All: 3013.660+/-1336.504 χ^2/NDF : 71.9/83

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8521.835 $\pm$ 2.417 χ^2 /NDF: 769872.2/16

Left Out: 9615.933 $\pm$ 1.614 χ^2 /NDF:1011661.6/24

Right Out: 8041.570 $\pm$ 2.244 χ^2 /NDF: 953300.0/18

Left In: 9598.531 $\pm$ 1.654 χ^2 /NDF:1082171.6/22

Left: 9607.445 $\pm$ 1.155 χ^2 /NDF: 2093889.9/47

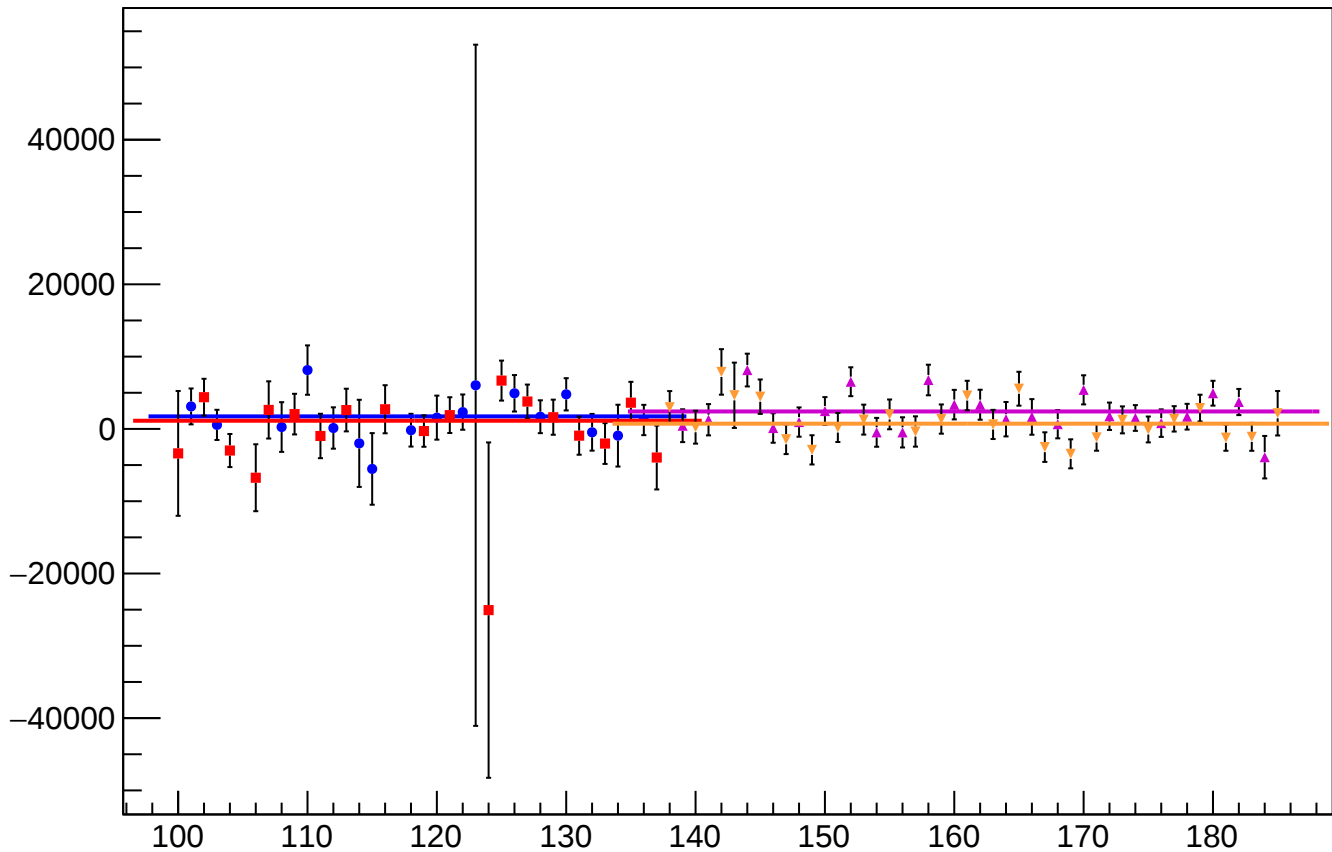
Right: 8263.910 $\pm$ 1.644 χ^2 /NDF: 1744382.1/35

In: 9255.199 $\pm$ 1.365 χ^2 /NDF:1987243.8/39

Out: 9079.292 $\pm$ 1.310 χ^2 /NDF:2289470.0/43

All: 9163.651 $\pm$ 0.945 χ^2 /NDF: 4285360.9/83

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1733.256+/-672.118 χ^2/NDF : 12.6/16

Left Out: 723.221+/-417.446 χ^2/NDF : 34.5/24

Right Out: 1131.745+/-673.096 χ^2/NDF : 20.3/18

Left In: 2414.749+/-423.472 χ^2/NDF : 34.0/22

Left: 1556.865+/-297.286 χ^2/NDF : 76.6/47

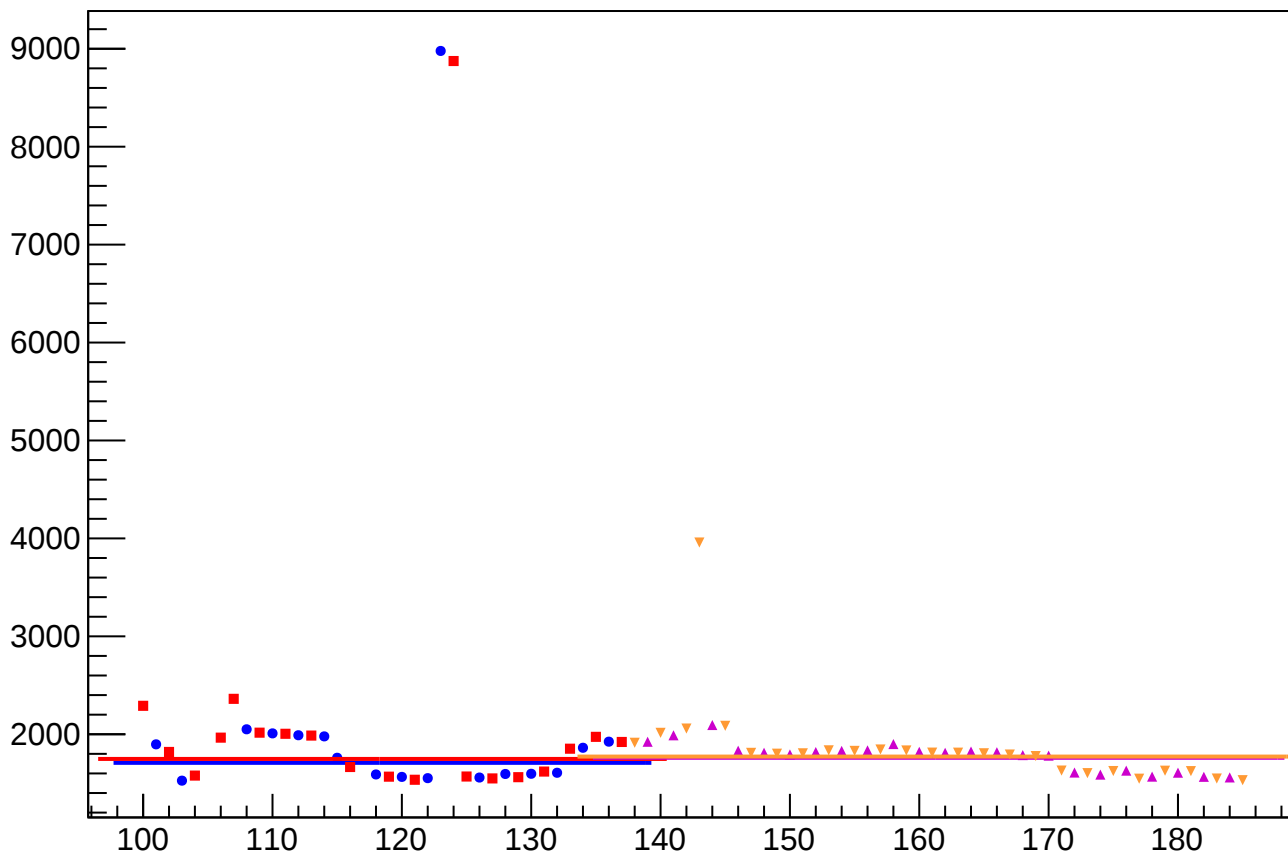
Right: 1432.938+/-475.605 χ^2/NDF : 33.4/35

In: 2221.092+/-358.287 χ^2/NDF : 47.4/39

Out: 836.704+/-354.759 χ^2/NDF : 55.1/43

All: 1522.049+/-252.090 χ^2/NDF : 110.0/83

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1708.196+/-0.475 χ^2/NDF : 195783.3/16

Left Out: 1772.114+/-0.295 χ^2/NDF : 702309.6/24

Right Out: 1748.067+/-0.474 χ^2/NDF : 396355.2/18

Left In: 1759.600+/-0.299 χ^2/NDF : 214891.5/22

Left: 1765.947+/-0.210 χ^2/NDF : 918087.0/47

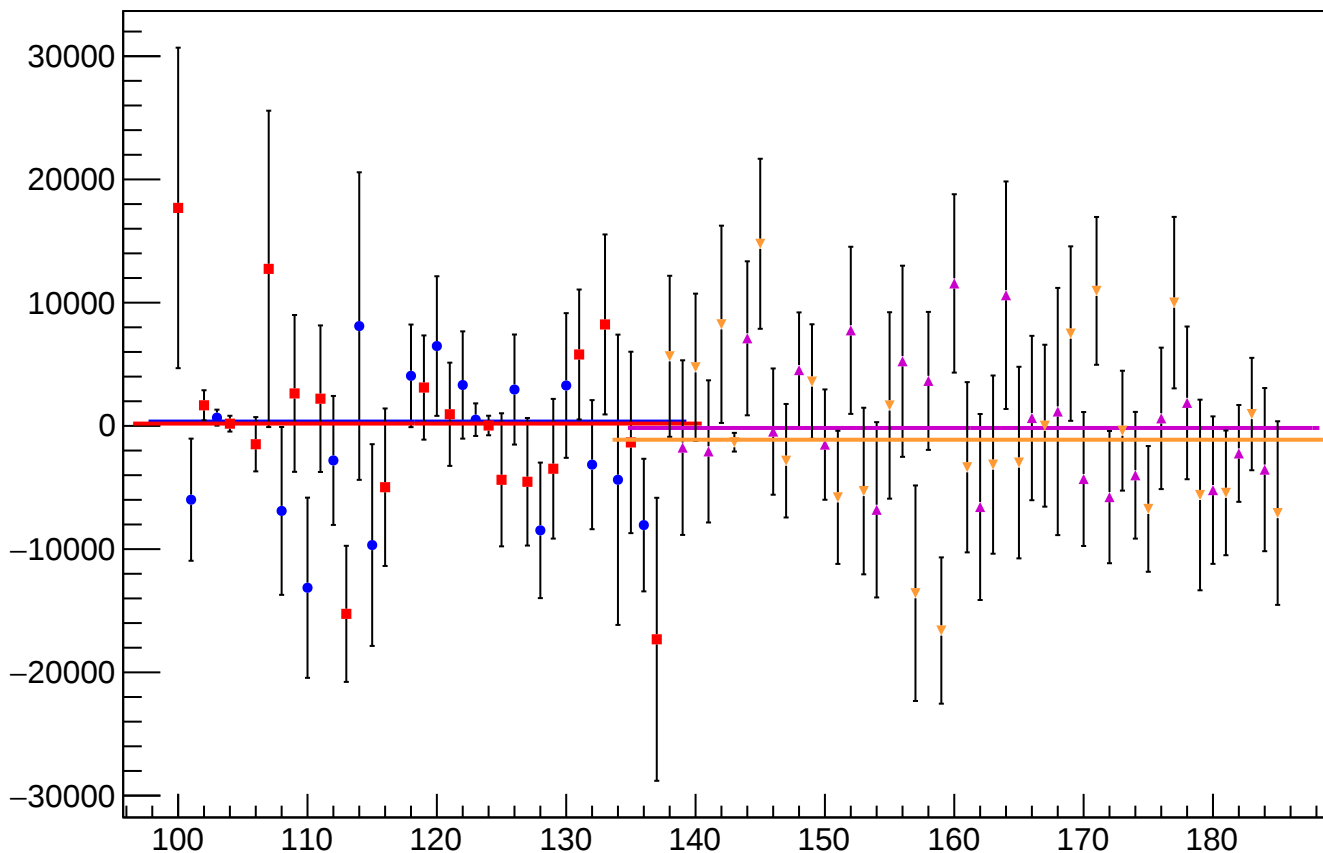
Right: 1728.192+/-0.336 χ^2/NDF : 595668.1/35

In: 1744.992+/-0.253 χ^2/NDF : 419048.8/39

Out: 1765.391+/-0.251 χ^2/NDF : 1100520.4/43

All: 1755.305+/-0.178 χ^2/NDF : 1522846.7/83

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 350.603 $\pm$ 540.664 χ^2 /NDF: 17.3/16

Left Out: -1122.788 $\pm$ 647.633 χ^2 /NDF:31.6/24

Right Out: 188.213 $\pm$ 433.673 χ^2 /NDF: 20.8/18

Left In: -168.182 $\pm$ 1232.411 χ^2 /NDF:14.2/22

Left: -916.217 $\pm$ 573.295 χ^2 /NDF: 46.2/47

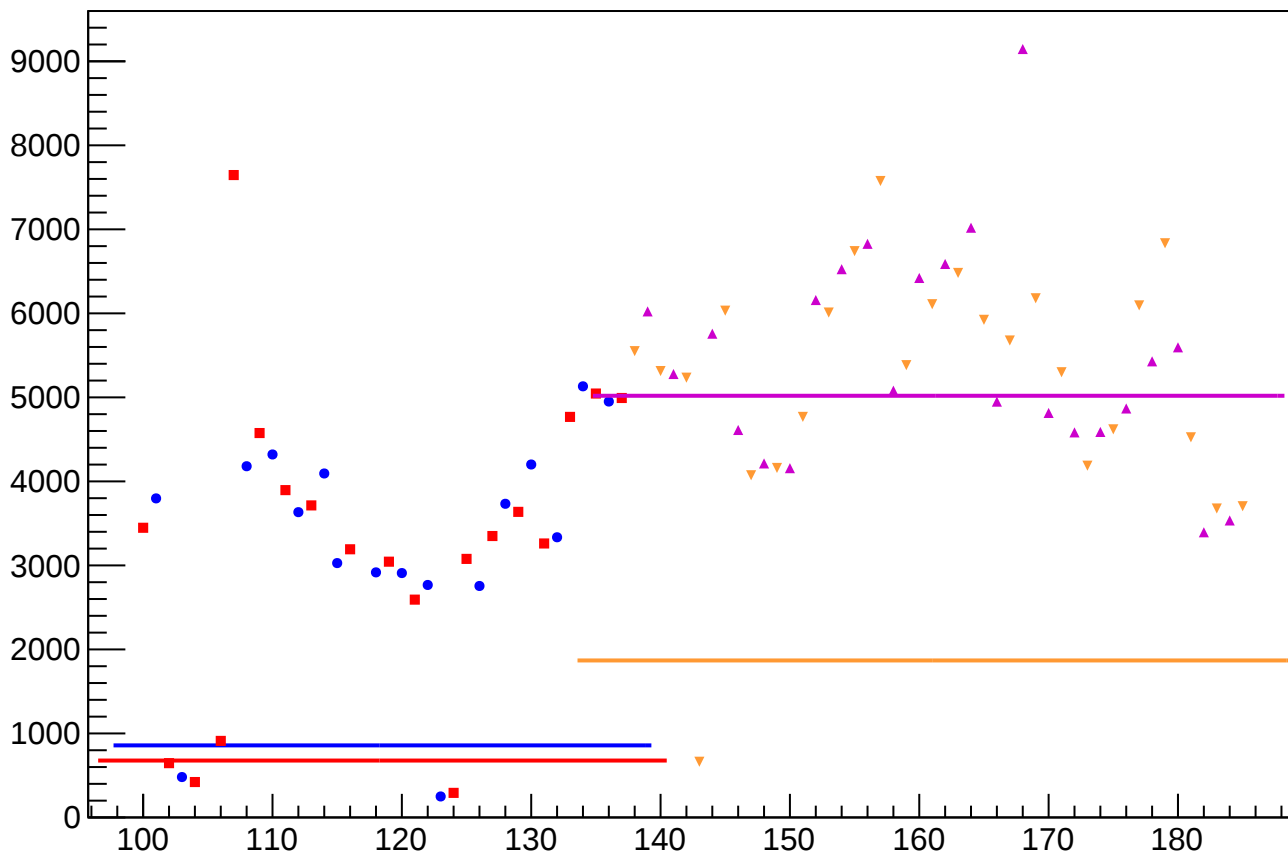
Right: 251.789 $\pm$ 338.293 χ^2 /NDF: 38.2/35

In: 266.872 $\pm$ 495.114 χ^2 /NDF:31.6/39

Out: -217.651 $\pm$ 360.345 χ^2 /NDF:55.2/43

All: -49.873 $\pm$ 291.350 χ^2 /NDF: 87.4/83

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 857.789 $\pm$ 0.382 χ^2 /NDF: 8126360.1/16

Left Out: 1868.728 $\pm$ 0.458 χ^2 /NDF: 19849641.2/24

Right Out: 677.369 $\pm$ 0.307 χ^2 /NDF: 8357347.2/18

Left In: 5019.114 $\pm$ 0.871 χ^2 /NDF: 1569031.9/22

Left: 2550.453 $\pm$ 0.405 χ^2 /NDF: 31659711.2/47

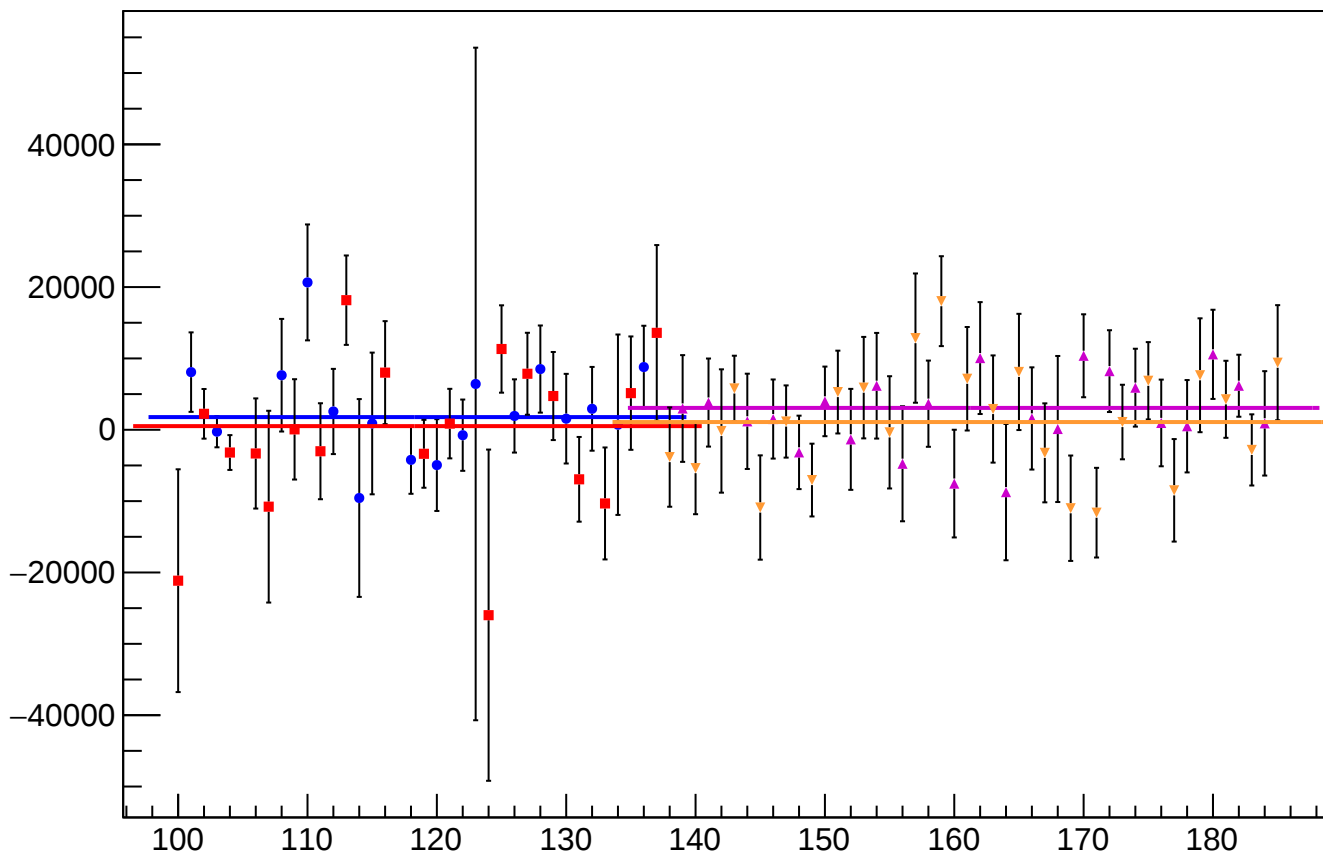
Right: 748.003 $\pm$ 0.239 χ^2 /NDF: 16619227.6/35

In: 1529.421 $\pm$ 0.350 χ^2 /NDF: 28817580.6/39

Out: 1046.194 $\pm$ 0.255 χ^2 /NDF: 32879694.5/43

All: 1213.523 $\pm$ 0.206 χ^2 /NDF: 62942698.8/86

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1778.180+/-1313.267 χ^2/NDF : 14.5/16

Left Out: 1084.628+/-1273.339 χ^2/NDF : 32.0/24

Right Out: 512.708+/-1288.422 χ^2/NDF : 26.9/18

Left In: 3064.775+/-1318.173 χ^2/NDF : 12.6/22

Left: 2040.454+/-915.827 χ^2/NDF : 45.8/47

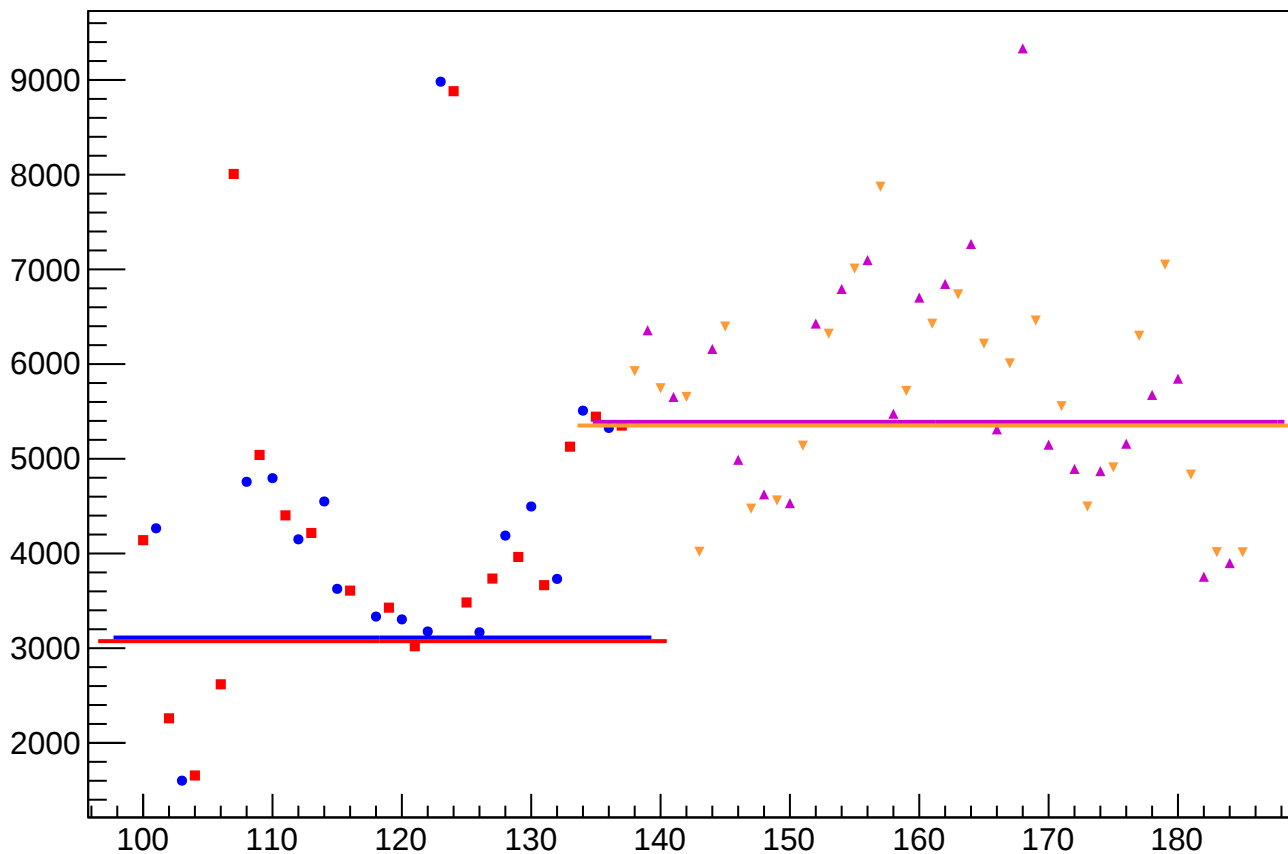
Right: 1133.360+/-919.710 χ^2/NDF : 41.8/35

In: 2419.079+/-930.350 χ^2/NDF : 27.6/39

Out: 802.035+/-905.672 χ^2/NDF : 59.0/43

All: 1588.827+/-648.956 χ^2/NDF : 88.1/83

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3112.592 $\pm$ 0.929 χ^2 /NDF: 1882559.8/16

Left Out: 5351.074 $\pm$ 0.900 χ^2 /NDF: 1241392.4/24

Right Out: 3074.355 $\pm$ 0.898 χ^2 /NDF: 2007121.5/18

Left In: 5389.724 $\pm$ 0.932 χ^2 /NDF: 1309863.0/22

Left: 5369.730 $\pm$ 0.648 χ^2 /NDF: 2552144.9/47

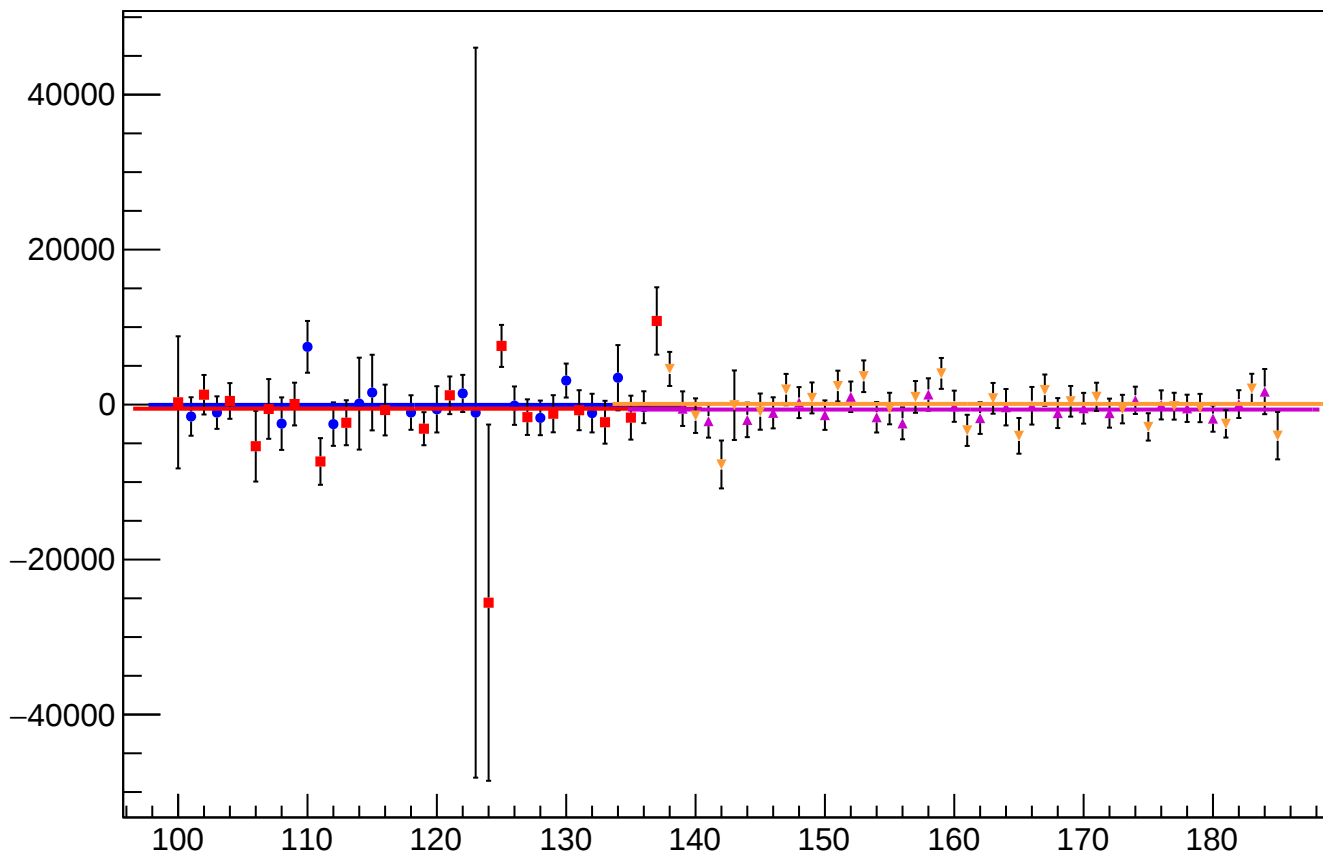
Right: 3092.829 $\pm$ 0.645 χ^2 /NDF: 3890557.7/35

In: 4246.907 $\pm$ 0.658 χ^2 /NDF: 6187788.9/39

Out: 4209.463 $\pm$ 0.636 χ^2 /NDF: 6454557.0/43

All: 4227.545 $\pm$ 0.457 χ^2 /NDF: 12644021.1/8

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -38.244 $\pm$ 662.838 χ^2/NDF : 11.1/16

Left Out: 89.115 $\pm$ 411.599 χ^2/NDF :36.1/24

Right Out: -530.114 $\pm$ 663.235 χ^2/NDF : 27.1/18

Left In: -640.235 $\pm$ 417.645 χ^2/NDF :6.2/22

Left: -270.243 $\pm$ 293.159 χ^2/NDF : 43.8/47

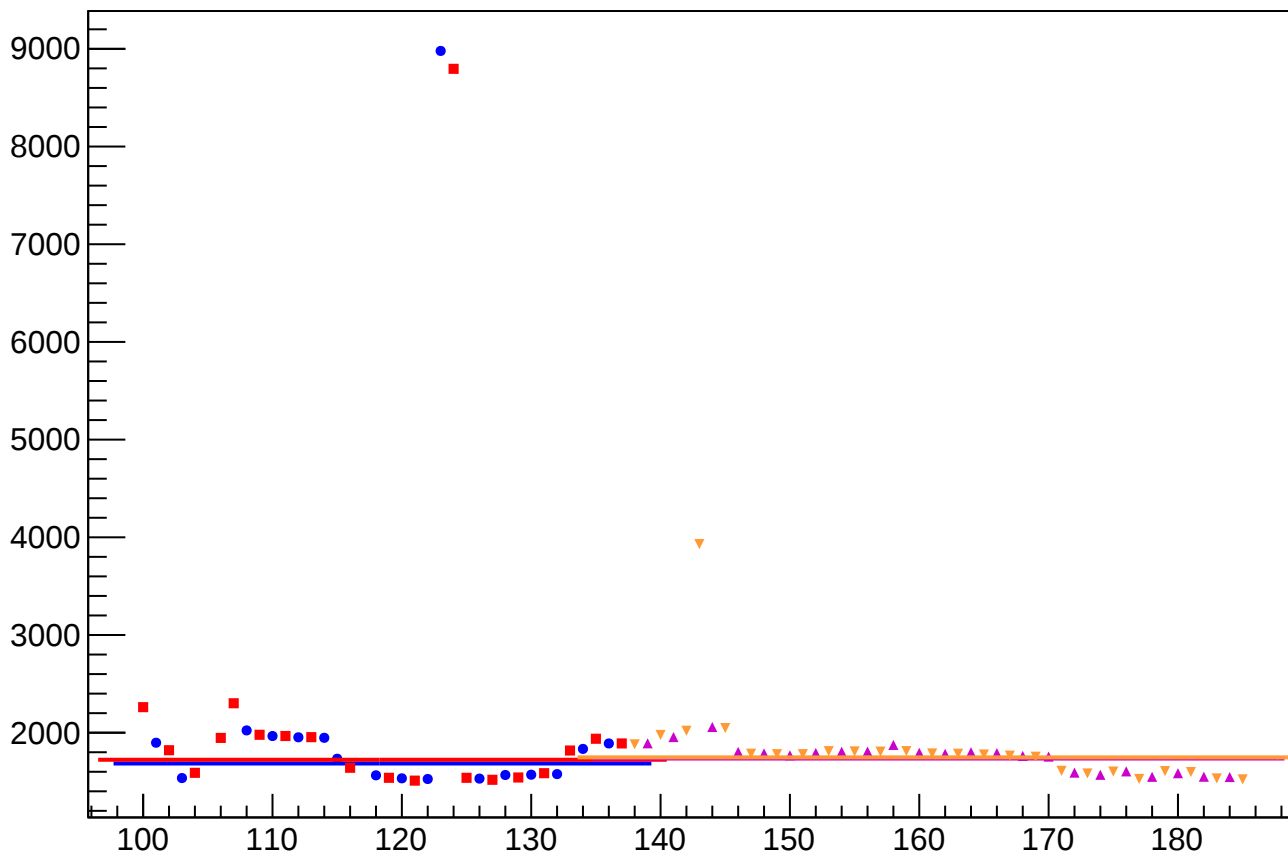
Right: -284.031 $\pm$ 468.837 χ^2/NDF : 38.5/35

In: -469.158 $\pm$ 353.352 χ^2/NDF :17.9/39

Out: -83.061 $\pm$ 349.726 χ^2/NDF :63.8/43

All: -274.119 $\pm$ 248.566 χ^2/NDF : 82.4/83

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1684.672 $\pm$ 0.469 χ^2 /NDF: 194019.0/16

Left Out: 1747.394 $\pm$ 0.291 χ^2 /NDF: 698002.7/24

Right Out: 1723.015 $\pm$ 0.467 χ^2 /NDF: 392549.0/18

Left In: 1735.540 $\pm$ 0.295 χ^2 /NDF: 206766.6/22

Left: 1741.553 $\pm$ 0.207 χ^2 /NDF: 905586.5/47

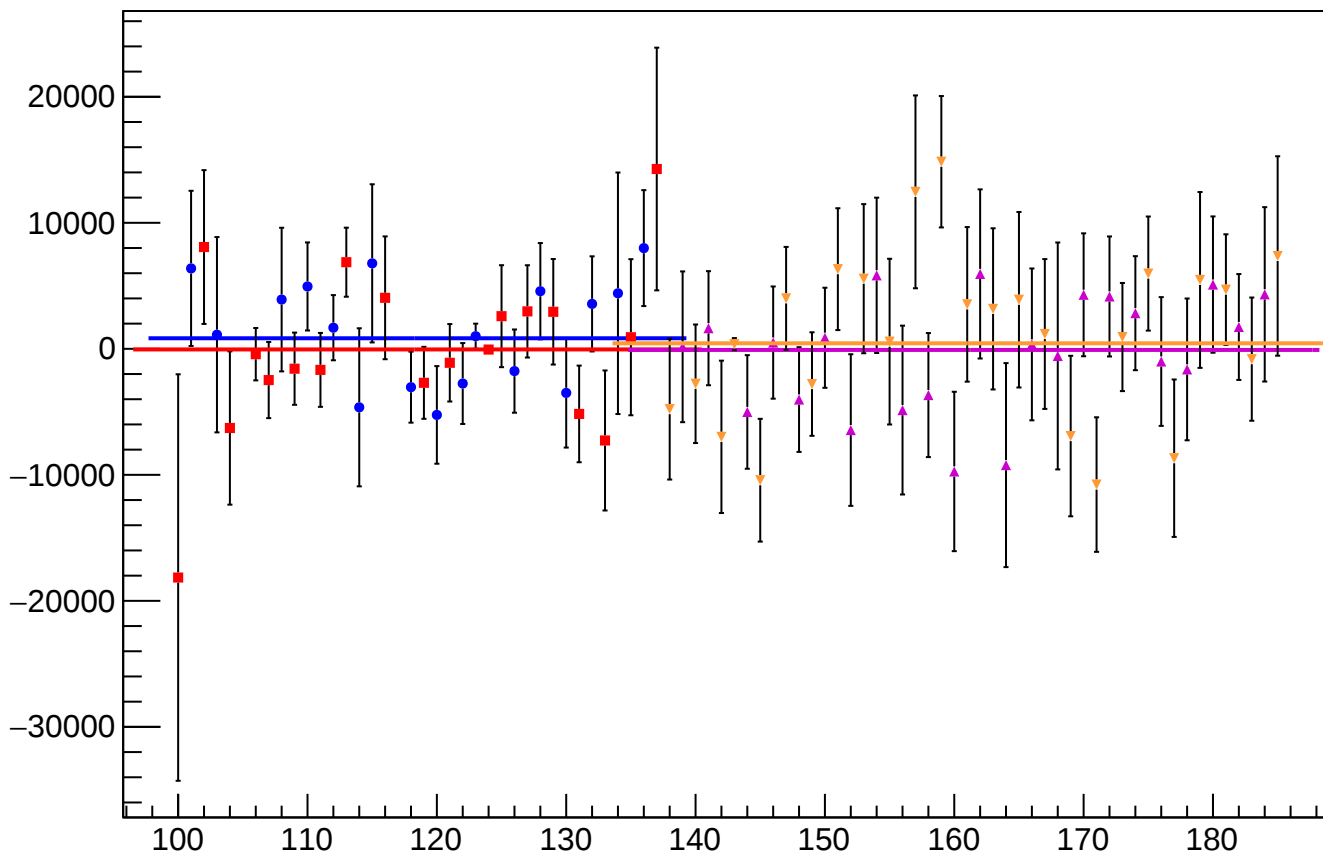
Right: 1703.916 $\pm$ 0.331 χ^2 /NDF: 589926.9/35

In: 1721.084 $\pm$ 0.250 χ^2 /NDF: 409217.3/39

Out: 1740.573 $\pm$ 0.247 χ^2 /NDF: 1092514.8/43

All: 1730.941 $\pm$ 0.176 χ^2 /NDF: 1504808.9/83

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 838.236+/-706.837 χ^2/NDF : 15.6/16

Left Out: 439.107+/-440.344 χ^2/NDF : 33.9/24

Right Out: -47.538+/-357.307 χ^2/NDF : 20.8/18

Left In: -88.508+/-1094.838 χ^2/NDF : 13.4/22

Left: 365.641+/-408.538 χ^2/NDF : 47.6/47

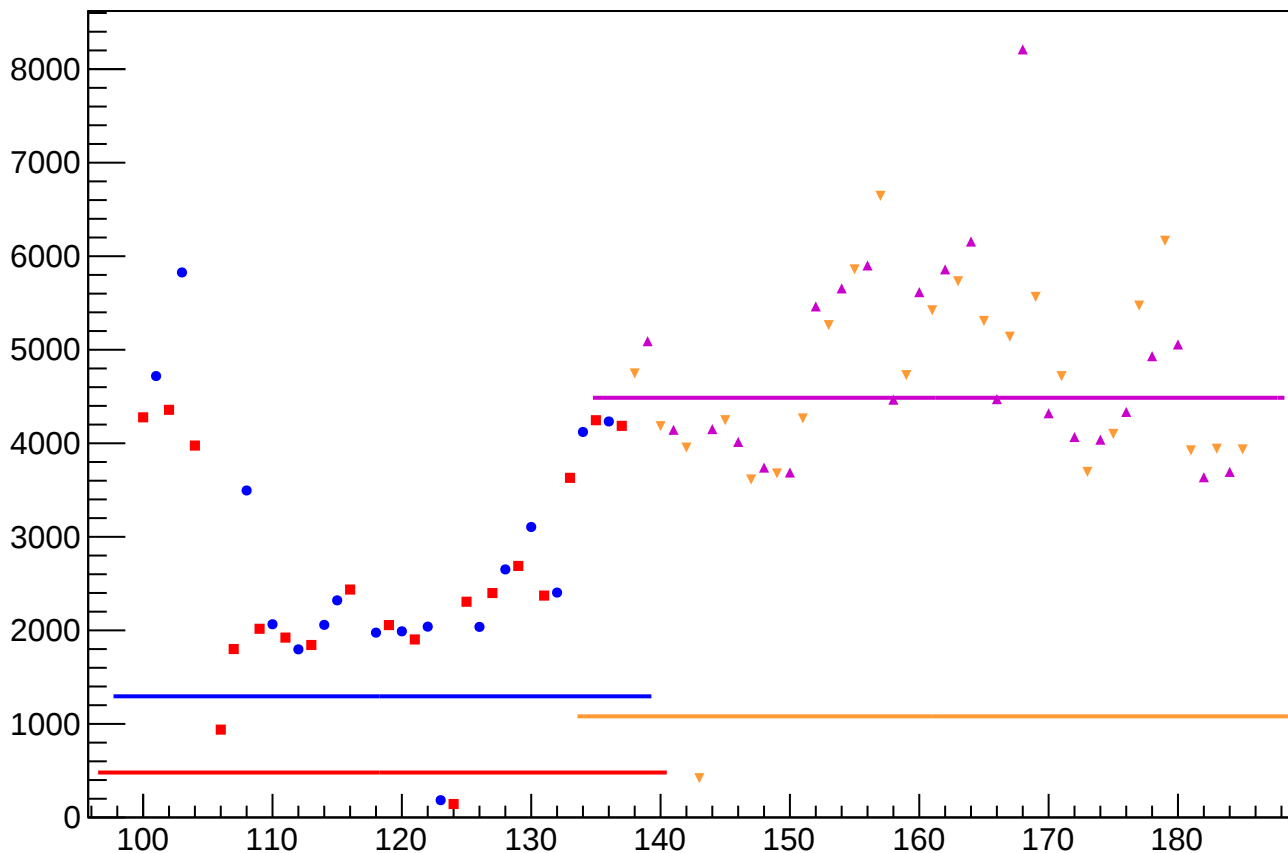
Right: 132.739+/-318.880 χ^2/NDF : 37.6/35

In: 565.598+/-593.832 χ^2/NDF : 29.5/39

Out: 145.667+/-277.457 χ^2/NDF : 55.4/43

All: 220.914+/-251.372 χ^2/NDF : 85.3/83

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1295.065+/-0.500 χ^2/NDF : 6509427.9/16

Left Out: 1080.855+/-0.311 χ^2/NDF : 24451010.8/24

Right Out: 480.403+/-0.253 χ^2/NDF : 10116692.6/18

Left In: 4486.570+/-0.774 χ^2/NDF : 1181598.1/22

Left: 1555.069+/-0.289 χ^2/NDF : 42290828.9/47

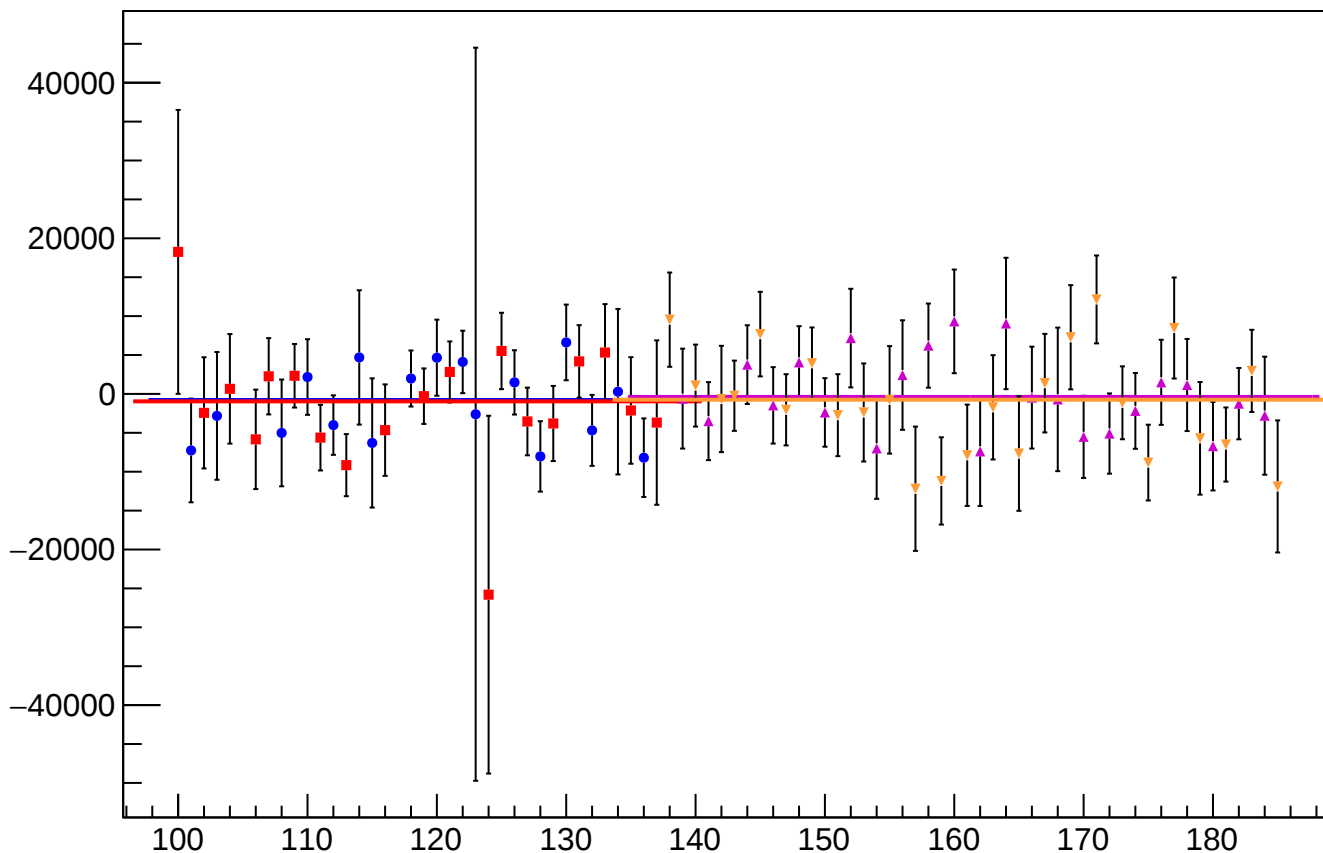
Right: 646.207+/-0.225 χ^2/NDF : 18742133.7/35

In: 2233.971+/-0.420 χ^2/NDF : 19686285.5/39

Out: 718.791+/-0.196 χ^2/NDF : 36810084.9/43

All: 990.293+/-0.178 χ^2/NDF : 67183858.7/83

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -786.677+/-1265.533 χ^2/NDF : 14.7/16

Left Out: -745.032+/-1147.519 χ^2/NDF :30.1/24

Right Out: -957.432+/-1194.177 χ^2/NDF : 15.6/18

Left In: -388.944+/-1186.300 χ^2/NDF :14.2/22

Left: -572.903+/-824.788 χ^2/NDF : 44.3/47

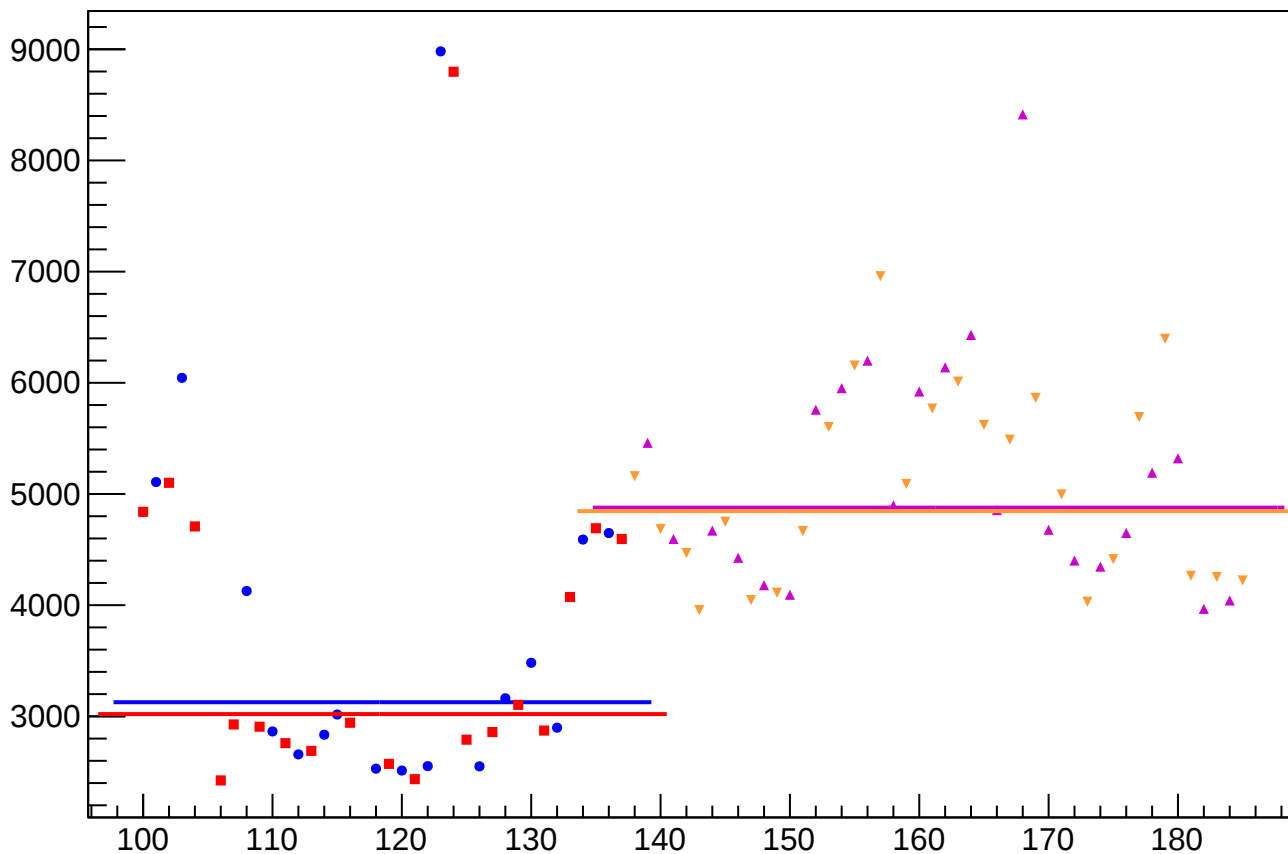
Right: -877.004+/-868.541 χ^2/NDF : 30.3/35

In: -574.971+/-865.497 χ^2/NDF :28.9/39

Out: -847.002+/-827.422 χ^2/NDF :45.7/43

All: -717.101+/-598.083 χ^2/NDF : 74.6/83

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3127.109+/-0.895 χ^2/NDF : 942783.2/16

Left Out: 4845.773+/-0.811 χ^2/NDF : 909320.5/24

Right Out: 3020.357+/-0.834 χ^2/NDF : 791453.3/18

Left In: 4877.456+/-0.839 χ^2/NDF : 958623.2/22

Left: 4861.088+/-0.583 χ^2/NDF : 1868680.6/47

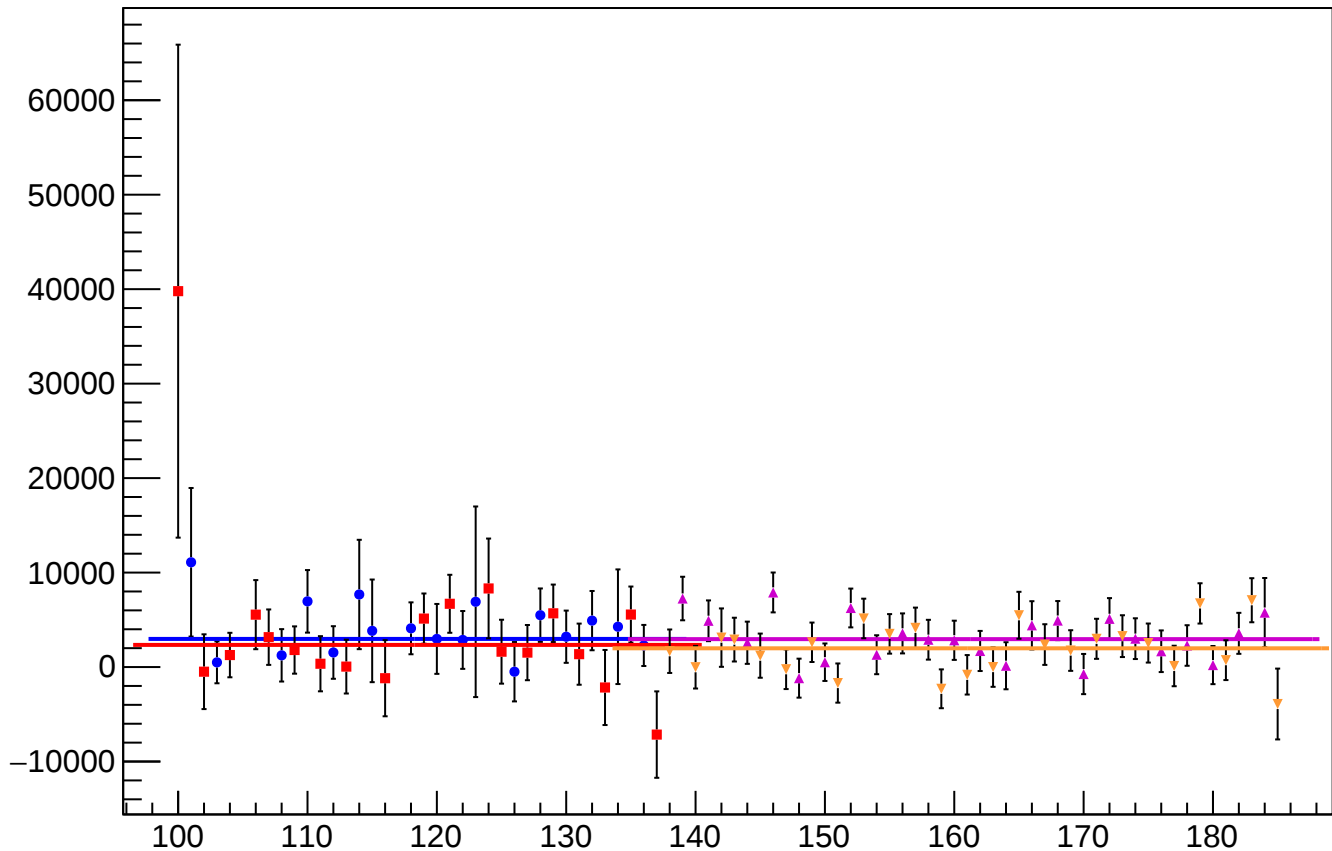
Right: 3069.969+/-0.610 χ^2/NDF : 1741853.8/35

In: 4058.783+/-0.612 χ^2/NDF : 3937864.3/39

Out: 3957.938+/-0.582 χ^2/NDF : 4162297.7/43

All: 4005.788+/-0.422 χ^2/NDF : 8114431.0/83

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2978.237 $\pm$ 777.589 χ^2 /NDF: 8.0/16

Left Out: 1984.491 $\pm$ 443.244 χ^2 /NDF:32.4/24

Right Out: 2344.712 $\pm$ 742.207 χ^2 /NDF: 18.1/18

Left In: 2955.900 $\pm$ 454.551 χ^2 /NDF:28.4/22

Left: 2457.964 $\pm$ 317.343 χ^2 /NDF: 63.2/47

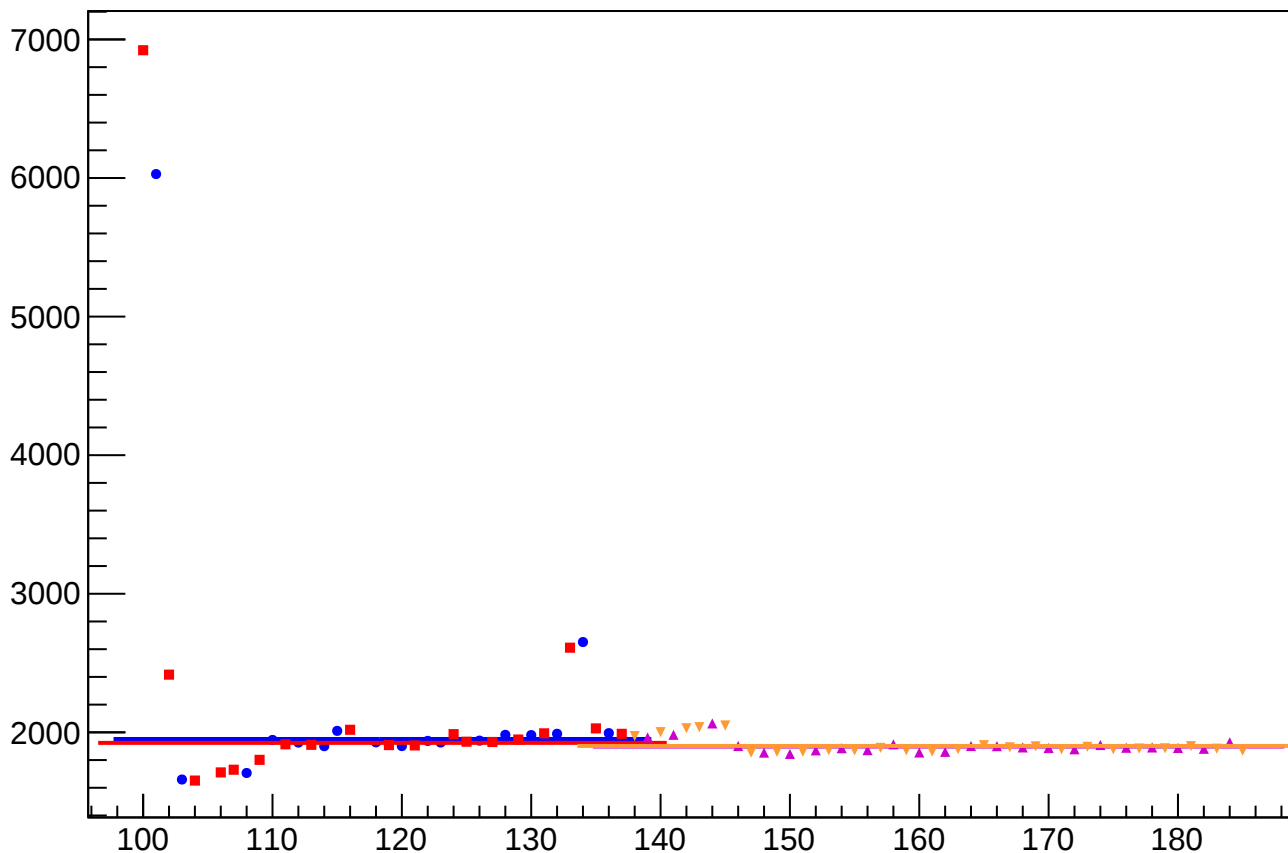
Right: 2646.733 $\pm$ 536.892 χ^2 /NDF: 26.5/35

In: 2961.589 $\pm$ 392.421 χ^2 /NDF:36.4/39

Out: 2079.188 $\pm$ 380.548 χ^2 /NDF:50.7/43

All: 2506.838 $\pm$ 273.189 χ^2 /NDF: 89.7/83

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1952.104+/-0.550 χ^2/NDF : 617388.5/16

Left Out: 1901.877+/-0.313 χ^2/NDF : 30450.7/24

Right Out: 1924.009+/-0.524 χ^2/NDF : 217499.2/18

Left In: 1897.456+/-0.321 χ^2/NDF : 21180.1/22

Left: 1899.722+/-0.224 χ^2/NDF : 51727.7/47

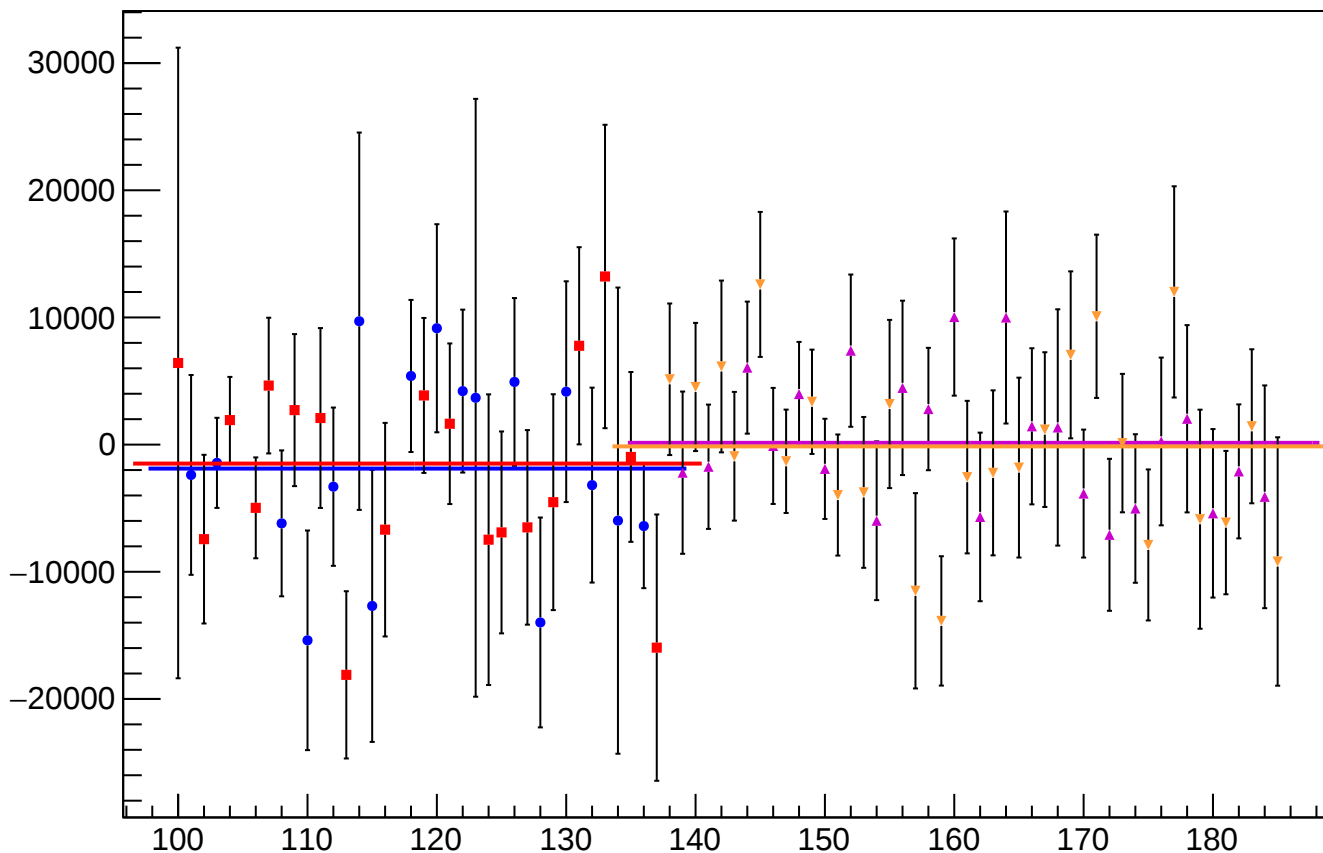
Right: 1937.370+/-0.379 χ^2/NDF : 836257.0/35

In: 1911.374+/-0.277 χ^2/NDF : 645931.1/39

Out: 1907.715+/-0.269 χ^2/NDF : 249265.3/43

All: 1909.487+/-0.193 χ^2/NDF : 895286.1/83

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: -1885.502 $\pm$ 1665.011 χ^2 /NDF: 13.6/16

Left Out: -140.181 $\pm$ 1165.955 χ^2 /NDF:29.5/24

Right Out: -1490.988 $\pm$ 1479.647 χ^2 /NDF: 18.7/18

Left In: 139.000 $\pm$ 1190.889 χ^2 /NDF:14.7/22

Left: -3.544 $\pm$ 833.131 χ^2 /NDF: 44.3/47

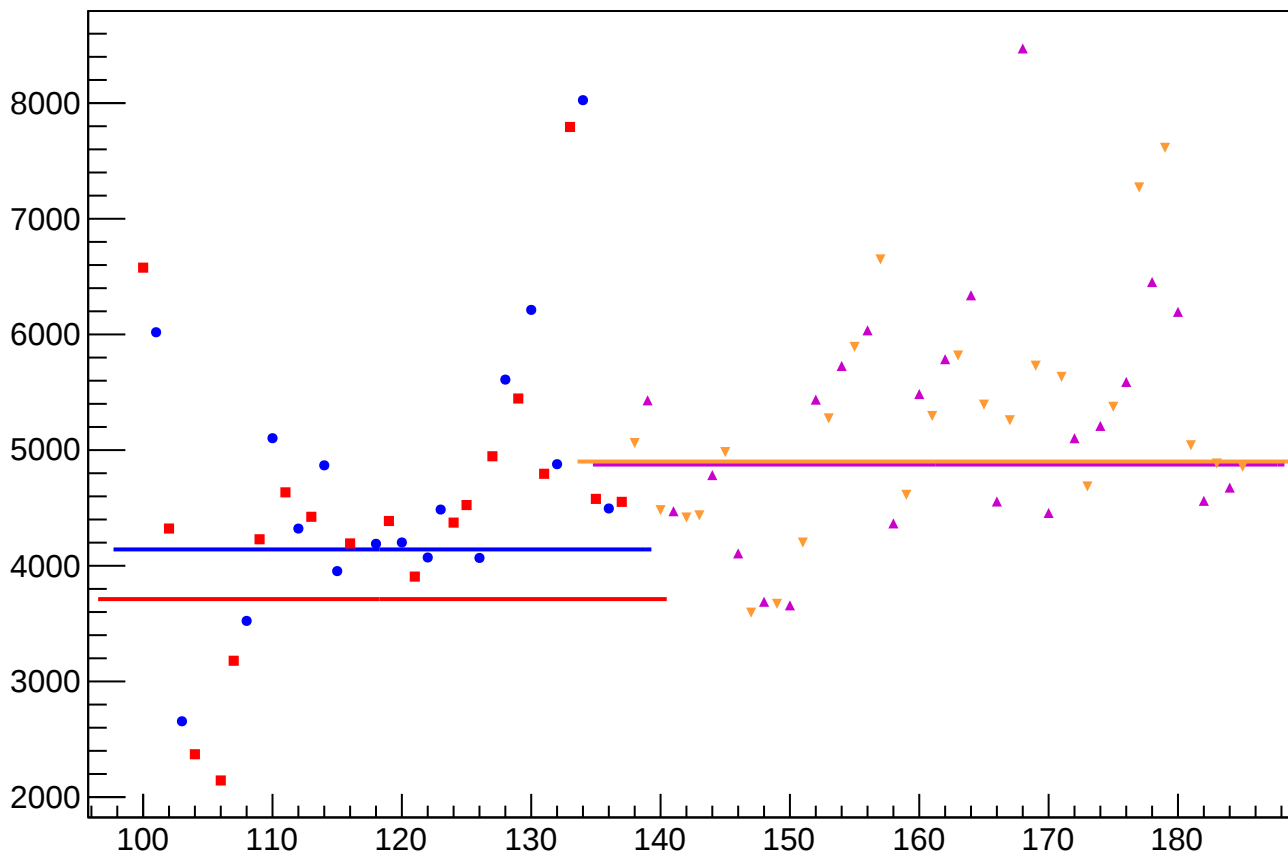
Right: -1665.070 $\pm$ 1106.022 χ^2 /NDF: 32.4/35

In: -546.168 $\pm$ 968.627 χ^2 /NDF:29.3/39

Out: -657.638 $\pm$ 915.796 χ^2 /NDF:48.8/43

All: -605.026 $\pm$ 665.459 χ^2 /NDF: 78.1/83

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 4141.263 $\pm$ 1.177 χ^2 /NDF: 818140.6/16

Left Out: 4901.196 $\pm$ 0.824 χ^2 /NDF:1136923.2/24

Right Out: 3711.958 $\pm$ 1.046 χ^2 /NDF: 1276723.1/18

Left In: 4875.112 $\pm$ 0.842 χ^2 /NDF:1229198.0/22

Left: 4888.430 $\pm$ 0.589 χ^2 /NDF: 2366611.1/47

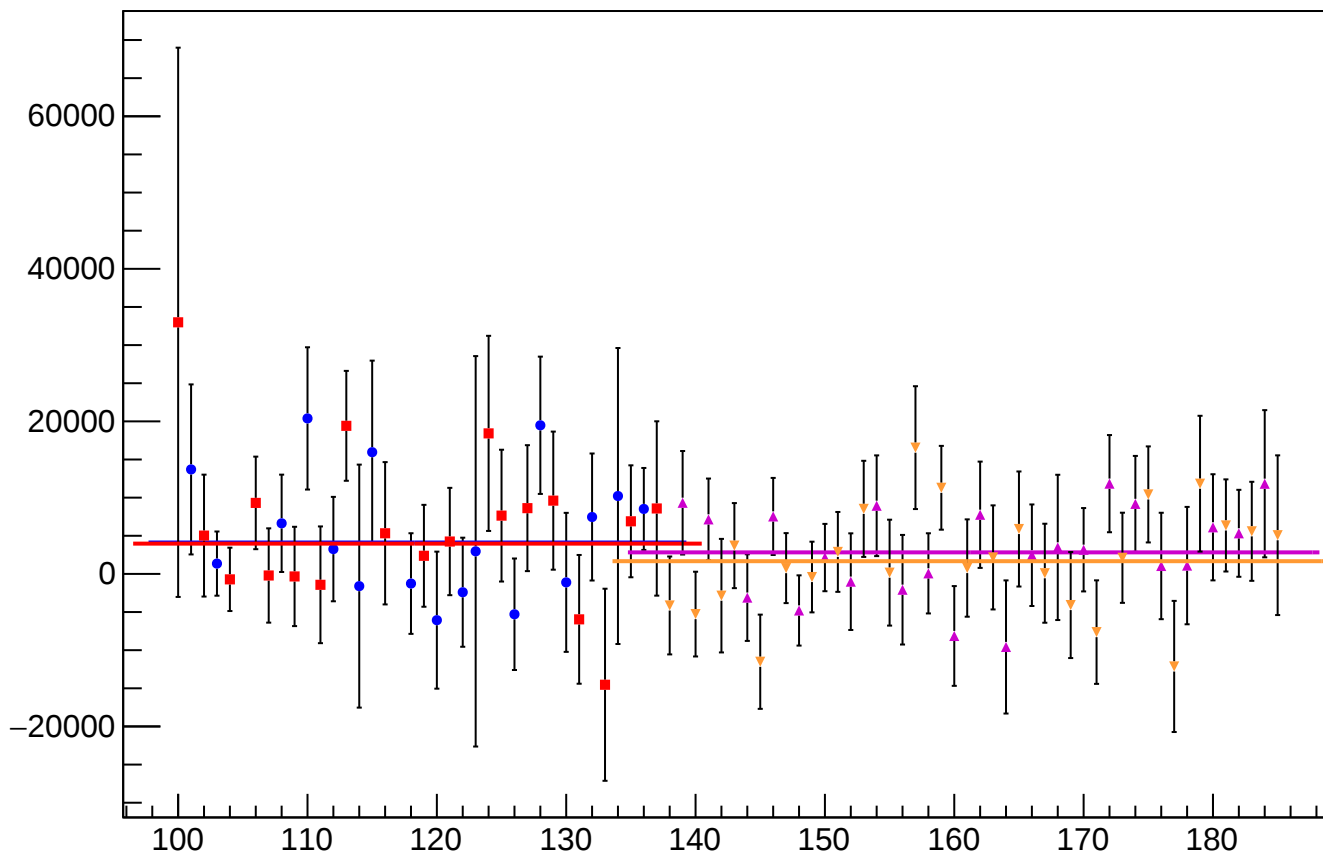
Right: 3901.392 $\pm$ 0.782 χ^2 /NDF: 2169155.3/35

In: 4626.750 $\pm$ 0.685 χ^2 /NDF:2304365.9/39

Out: 4445.631 $\pm$ 0.648 χ^2 /NDF:3210695.4/43

All: 4531.117 $\pm$ 0.471 χ^2 /NDF: 5551983.7/83

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4116.431 $\pm$ 1876.246 χ^2/NDF : 14.1/16

Left Out: 1667.369 $\pm$ 1261.777 χ^2/NDF : 25.3/24

Right Out: 3971.073 $\pm$ 1728.385 χ^2/NDF : 14.8/18

Left In: 2824.078 $\pm$ 1288.414 χ^2/NDF : 18.0/22

Left: 2233.643 $\pm$ 901.481 χ^2/NDF : 43.7/47

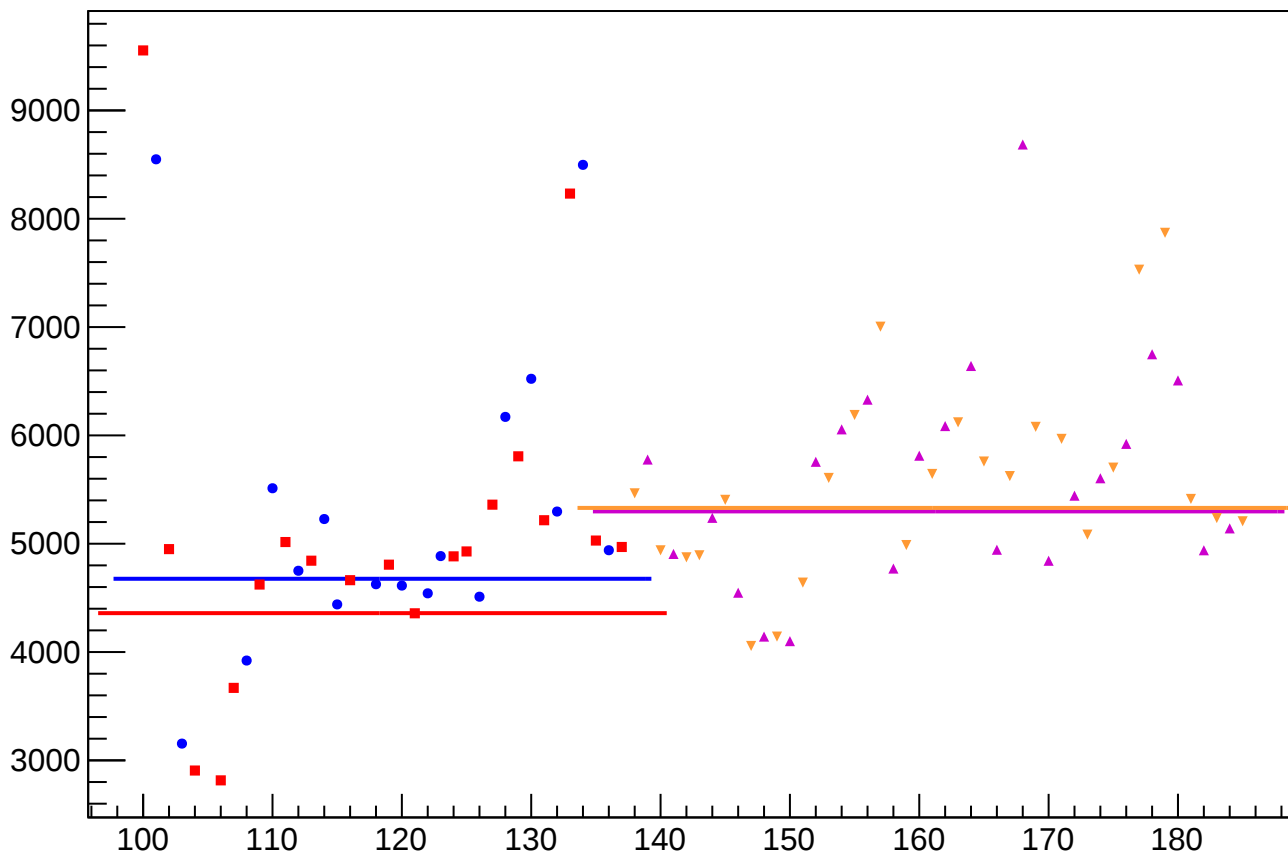
Right: 4037.799 $\pm$ 1271.216 χ^2/NDF : 28.9/35

In: 3238.208 $\pm$ 1062.105 χ^2/NDF : 32.4/39

Out: 2468.279 $\pm$ 1019.105 χ^2/NDF : 41.3/43

All: 2837.343 $\pm$ 735.348 χ^2/NDF : 74.0/83

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4676.405+/-1.327 χ^2/NDF : 783034.3/16

Left Out: 5330.578+/-0.892 χ^2/NDF : 868097.7/24

Right Out: 4359.077+/-1.215 χ^2/NDF : 833565.3/18

Left In: 5298.329+/-0.911 χ^2/NDF : 956021.6/22

Left: 5314.791+/-0.637 χ^2/NDF : 1824758.9/47

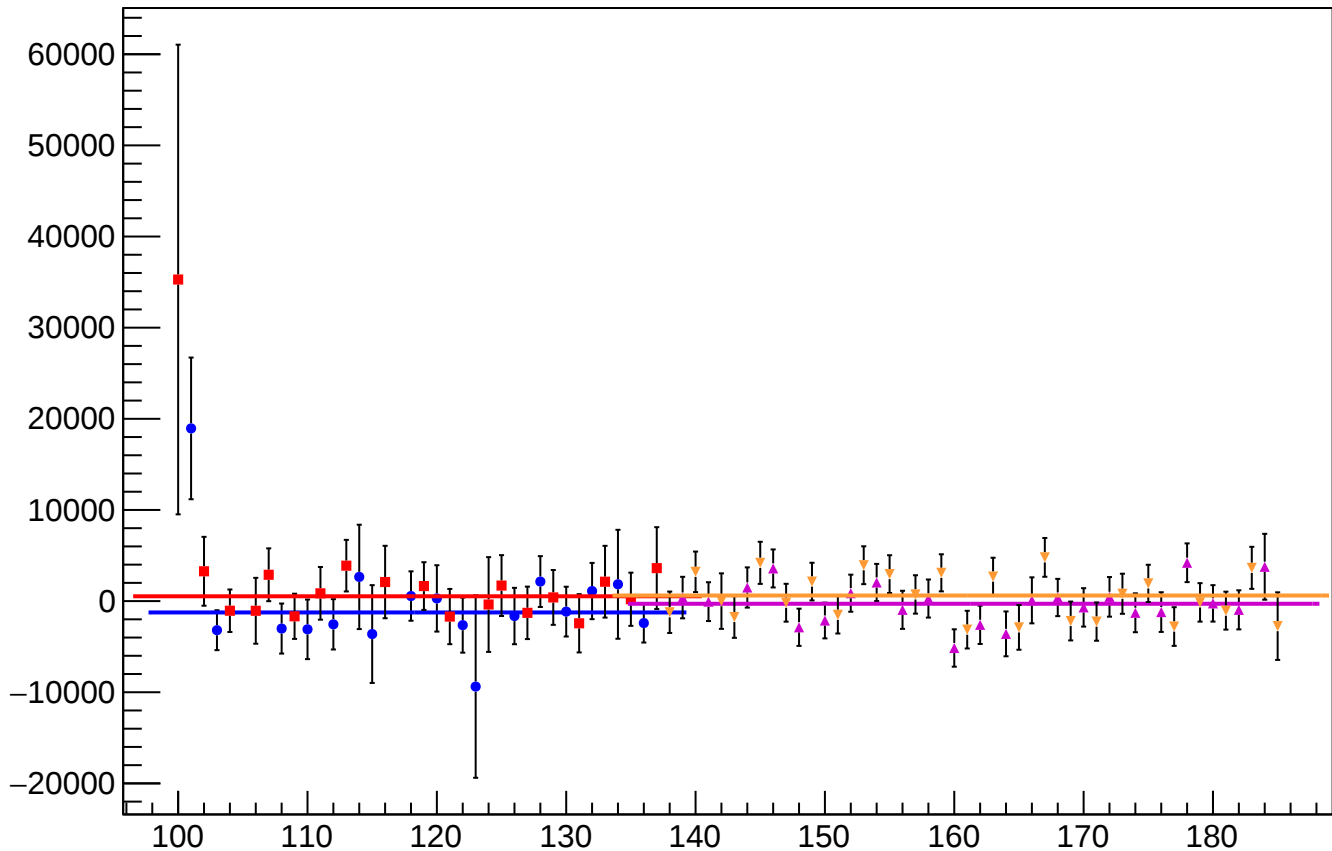
Right: 4503.830+/-0.896 χ^2/NDF : 1647712.1/35

In: 5099.036+/-0.751 χ^2/NDF : 1888387.0/39

Out: 4990.259+/-0.719 χ^2/NDF : 2116994.7/43

All: 5042.291+/-0.519 χ^2/NDF : 4016325.4/83

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1245.595 $\pm$ 767.454 χ^2 /NDF: 13.3/16

Left Out: 613.289 $\pm$ 438.321 χ^2 /NDF: 32.7/24

Right Out: 528.673 $\pm$ 732.449 χ^2 /NDF: 8.8/18

Left In: -293.009 $\pm$ 449.575 χ^2 /NDF: 23.6/22

Left: 171.626 $\pm$ 313.843 χ^2 /NDF: 58.5/47

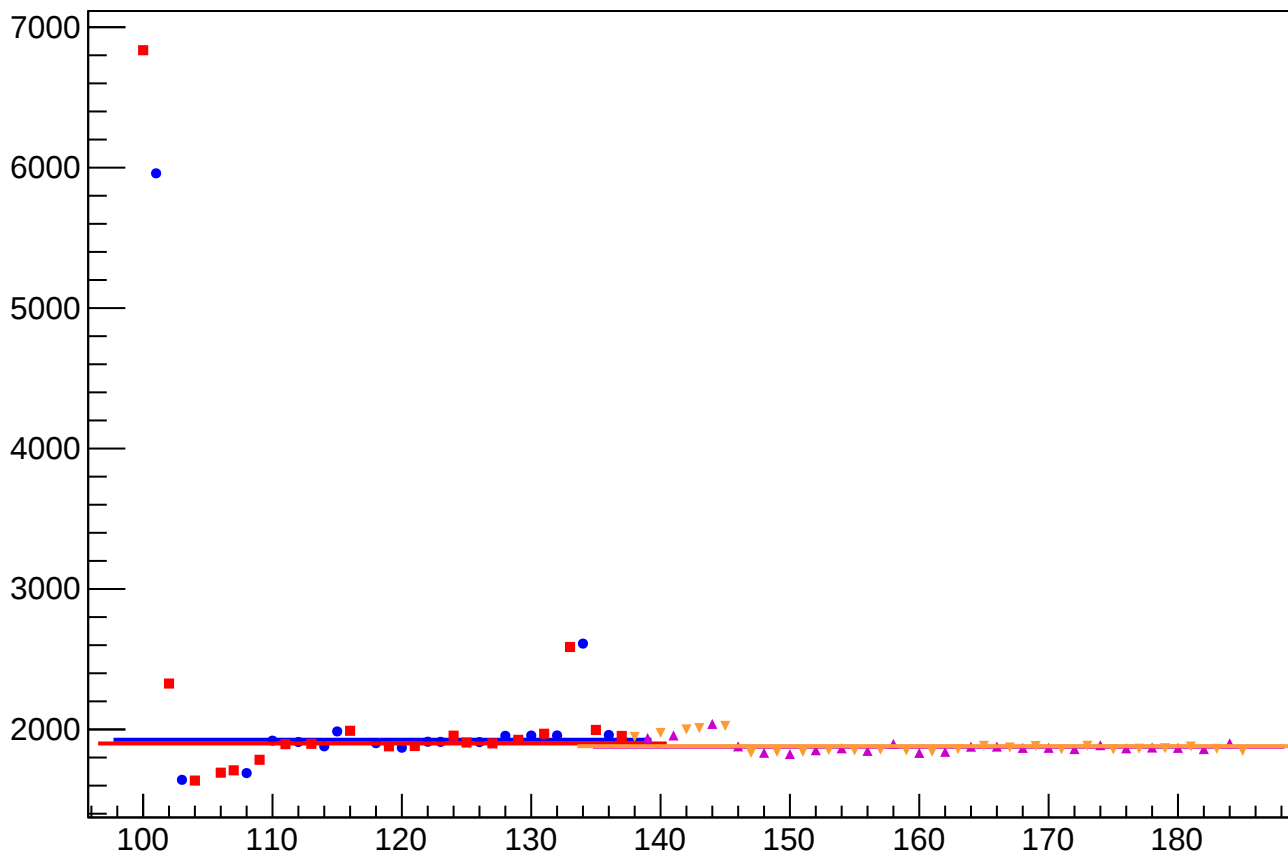
Right: -317.076 $\pm$ 529.863 χ^2 /NDF: 24.9/35

In: -536.384 $\pm$ 387.916 χ^2 /NDF: 38.1/39

Out: 590.977 $\pm$ 376.117 χ^2 /NDF: 41.6/43

All: 44.703 $\pm$ 270.030 χ^2 /NDF: 84.0/83

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.691+/-0.543 χ^2/NDF : 615898.2/16

Left Out: 1880.816+/-0.310 χ^2/NDF : 28653.5/24

Right Out: 1900.134+/-0.517 χ^2/NDF : 210983.9/18

Left In: 1876.685+/-0.318 χ^2/NDF : 20499.7/22

Left: 1878.803+/-0.222 χ^2/NDF : 49239.8/47

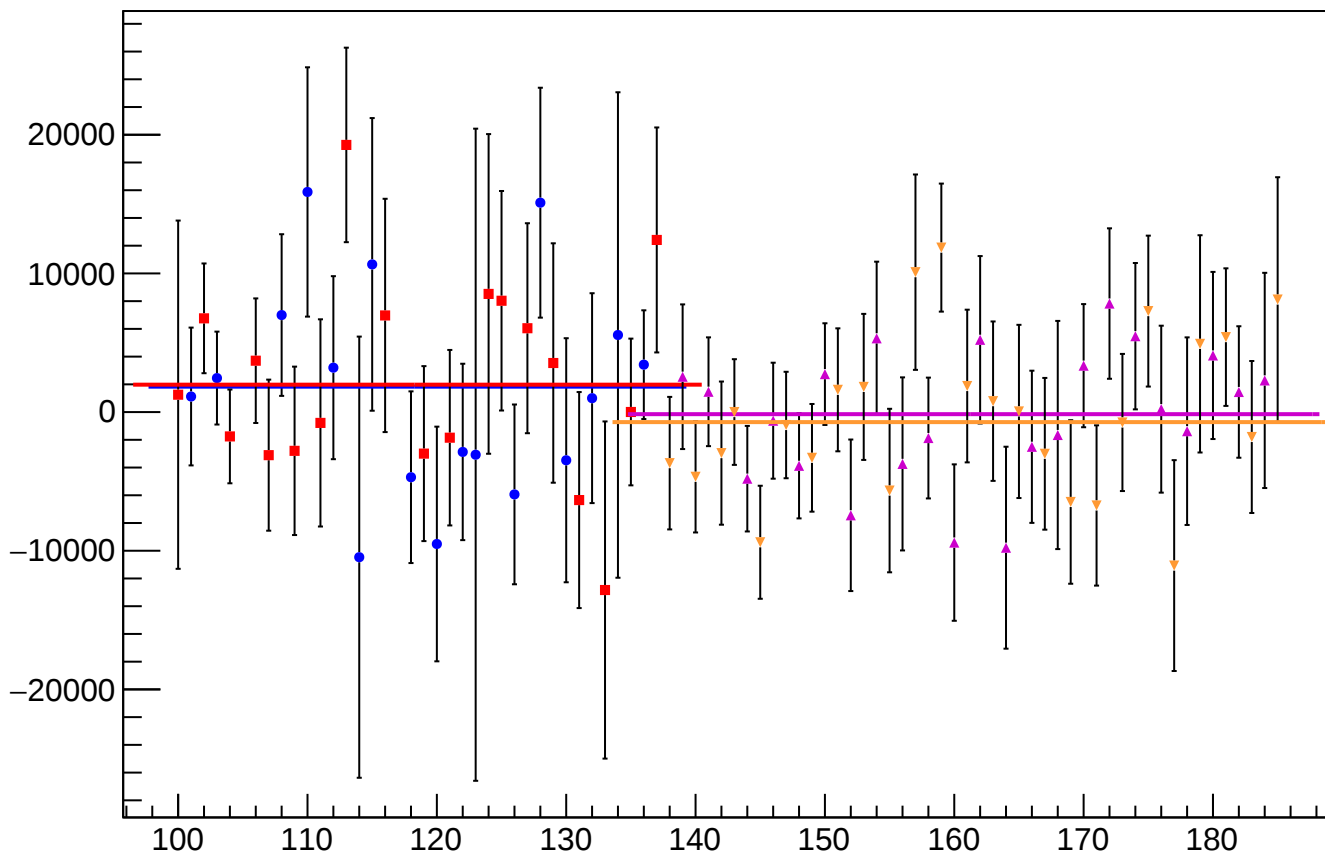
Right: 1912.763+/-0.374 χ^2/NDF : 828138.1/35

In: 1889.461+/-0.274 χ^2/NDF : 642719.9/39

Out: 1885.927+/-0.266 χ^2/NDF : 240665.2/43

All: 1887.638+/-0.191 χ^2/NDF : 883470.7/83

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1834.690+/-1559.964 χ^2/NDF : 12.7/16

Left Out: -723.238+/-1017.808 χ^2/NDF : 27.2/24

Right Out: 1977.025+/-1415.600 χ^2/NDF : 17.5/18

Left In: -150.495+/-1053.655 χ^2/NDF : 16.9/22

Left: -446.775+/-732.044 χ^2/NDF : 44.2/47

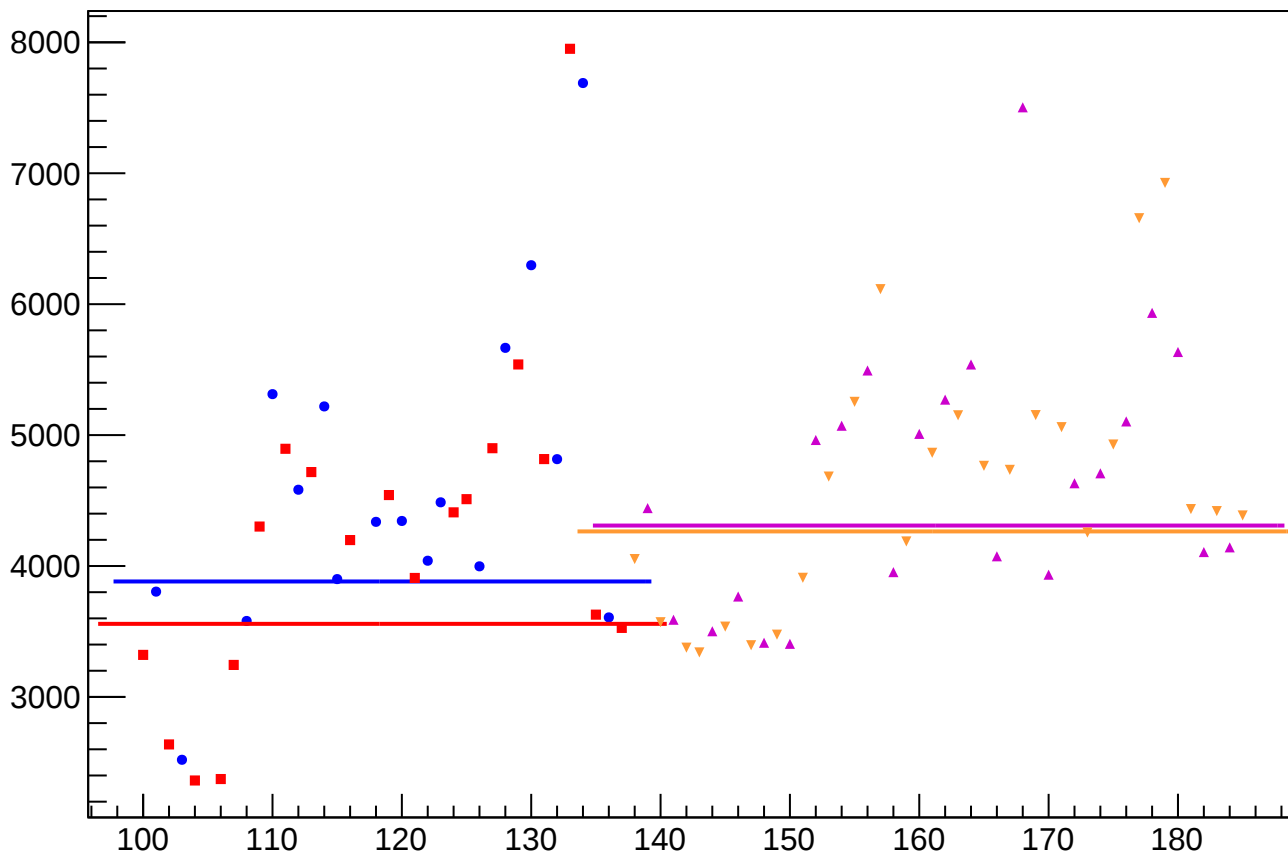
Right: 1912.747+/-1048.312 χ^2/NDF : 30.2/35

In: 471.438+/-873.144 χ^2/NDF : 30.7/39

Out: 196.967+/-826.380 χ^2/NDF : 47.1/43

All: 326.656+/-600.191 χ^2/NDF : 77.8/83

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3881.913 $\pm$ 1.103 χ^2 /NDF: 821979.1/16

Left Out: 4264.264 $\pm$ 0.720 χ^2 /NDF: 1354806.8/24

Right Out: 3558.184 $\pm$ 1.001 χ^2 /NDF: 1242011.6/18

Left In: 4309.034 $\pm$ 0.745 χ^2 /NDF: 1305133.3/22

Left: 4285.874 $\pm$ 0.518 χ^2 /NDF: 2661807.9/47

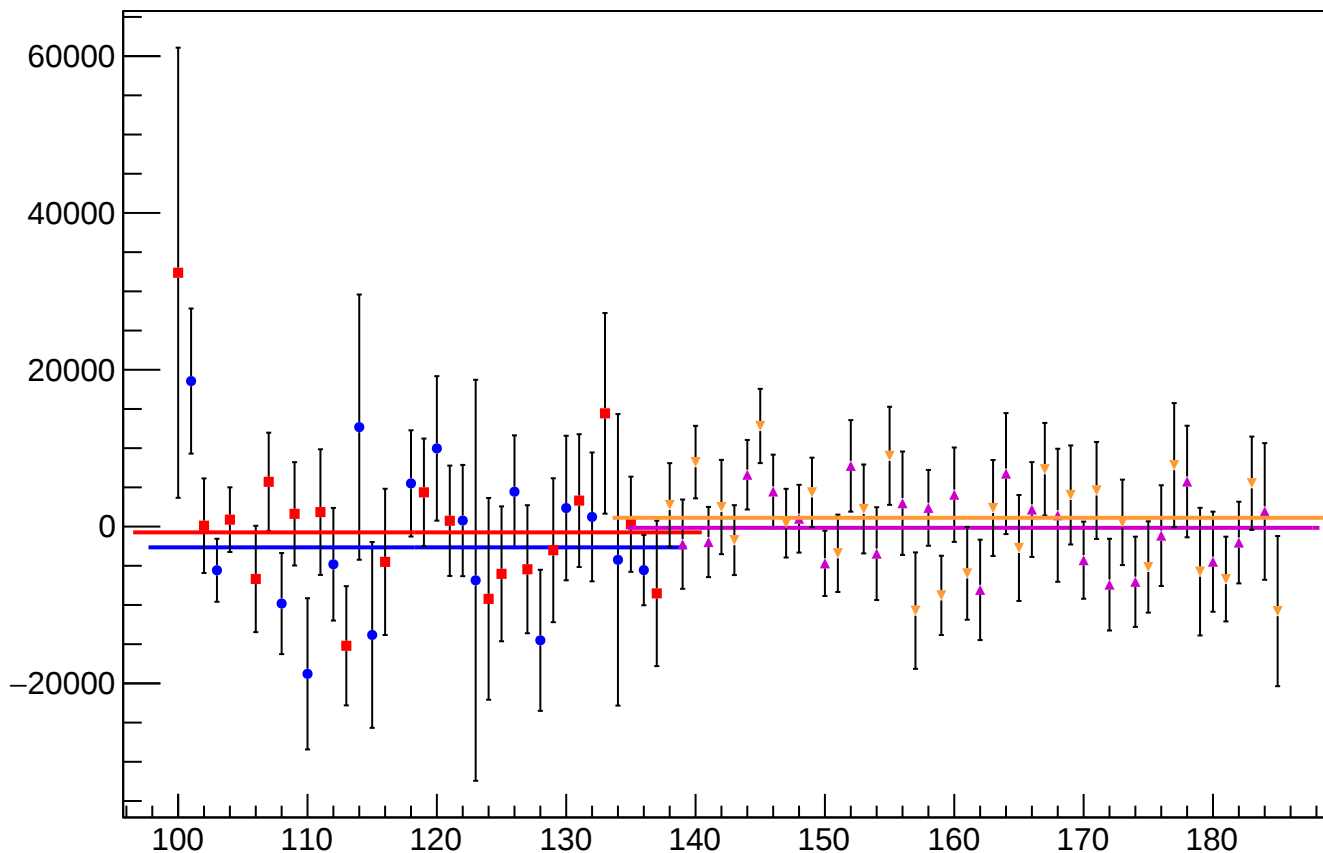
Right: 3704.379 $\pm$ 0.741 χ^2 /NDF: 2111225.8/35

In: 4175.222 $\pm$ 0.617 χ^2 /NDF: 2230074.2/39

Out: 4023.643 $\pm$ 0.584 χ^2 /NDF: 2924826.9/43

All: 4095.265 $\pm$ 0.424 χ^2 /NDF: 5186695.8/83

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2650.826 $\pm$ 1813.388 χ^2/NDF : 18.9/16

Left Out: 1119.707 $\pm$ 1126.771 χ^2/NDF : 28.7/24

Right Out: -739.638 $\pm$ 1693.226 χ^2/NDF : 11.5/18

Left In: -158.683 $\pm$ 1161.507 χ^2/NDF : 15.5/22

Left: 499.914 $\pm$ 808.749 χ^2/NDF : 44.8/47

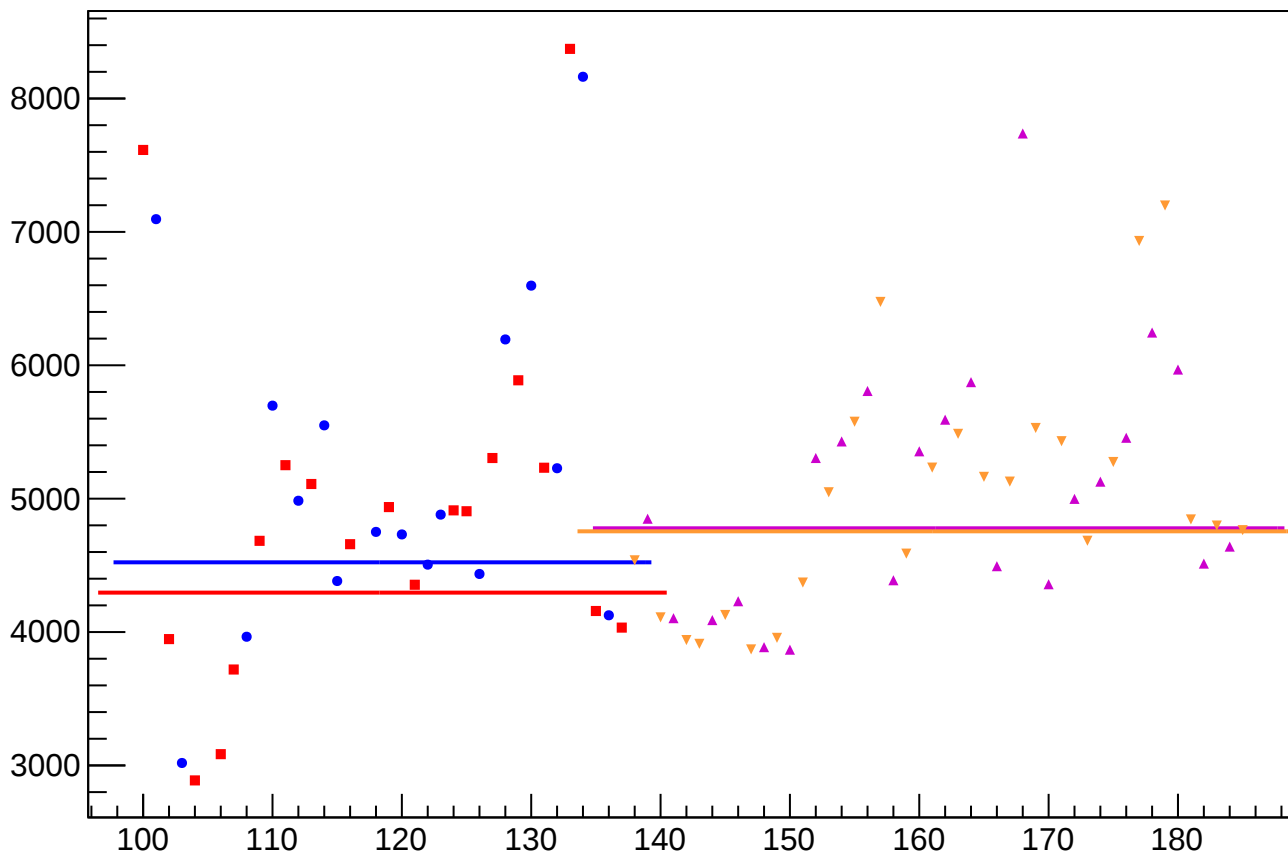
Right: -1629.818 $\pm$ 1237.593 χ^2/NDF : 31.0/35

In: -883.678 $\pm$ 978.074 χ^2/NDF : 35.7/39

Out: 549.038 $\pm$ 938.053 χ^2/NDF : 41.0/43

All: -137.409 $\pm$ 677.010 χ^2/NDF : 77.9/83

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4522.775+/-1.282 χ^2/NDF : 776612.8/16

Left Out: 4755.232+/-0.797 χ^2/NDF : 953307.1/24

Right Out: 4295.614+/-1.191 χ^2/NDF : 773207.8/18

Left In: 4777.831+/-0.821 χ^2/NDF : 950291.2/22

Left: 4766.189+/-0.572 χ^2/NDF : 1903988.4/47

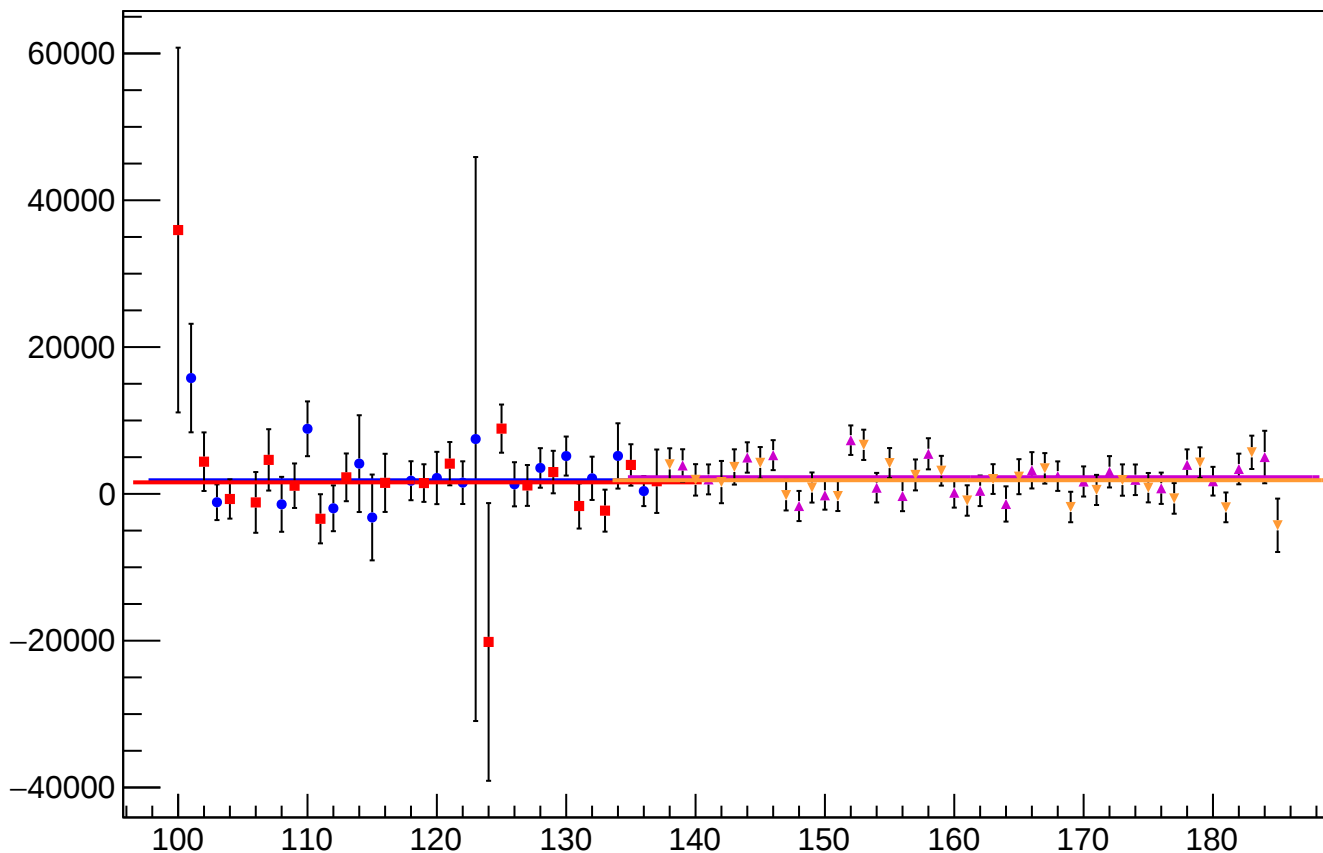
Right: 4400.789+/-0.872 χ^2/NDF : 1566674.2/35

In: 4703.632+/-0.692 χ^2/NDF : 1754959.6/39

Out: 4613.073+/-0.662 χ^2/NDF : 1829442.5/43

All: 4656.384+/-0.478 χ^2/NDF : 3593347.5/83

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1850.872 $\pm$ 785.814 χ^2 /NDF: 14.8/16

Left Out: 1862.859 $\pm$ 431.031 χ^2 /NDF:30.3/24

Right Out: 1571.043 $\pm$ 768.050 χ^2 /NDF: 17.3/18

Left In: 2268.464 $\pm$ 441.710 χ^2 /NDF:26.9/22

Left: 2060.699 $\pm$ 308.491 χ^2 /NDF: 57.6/47

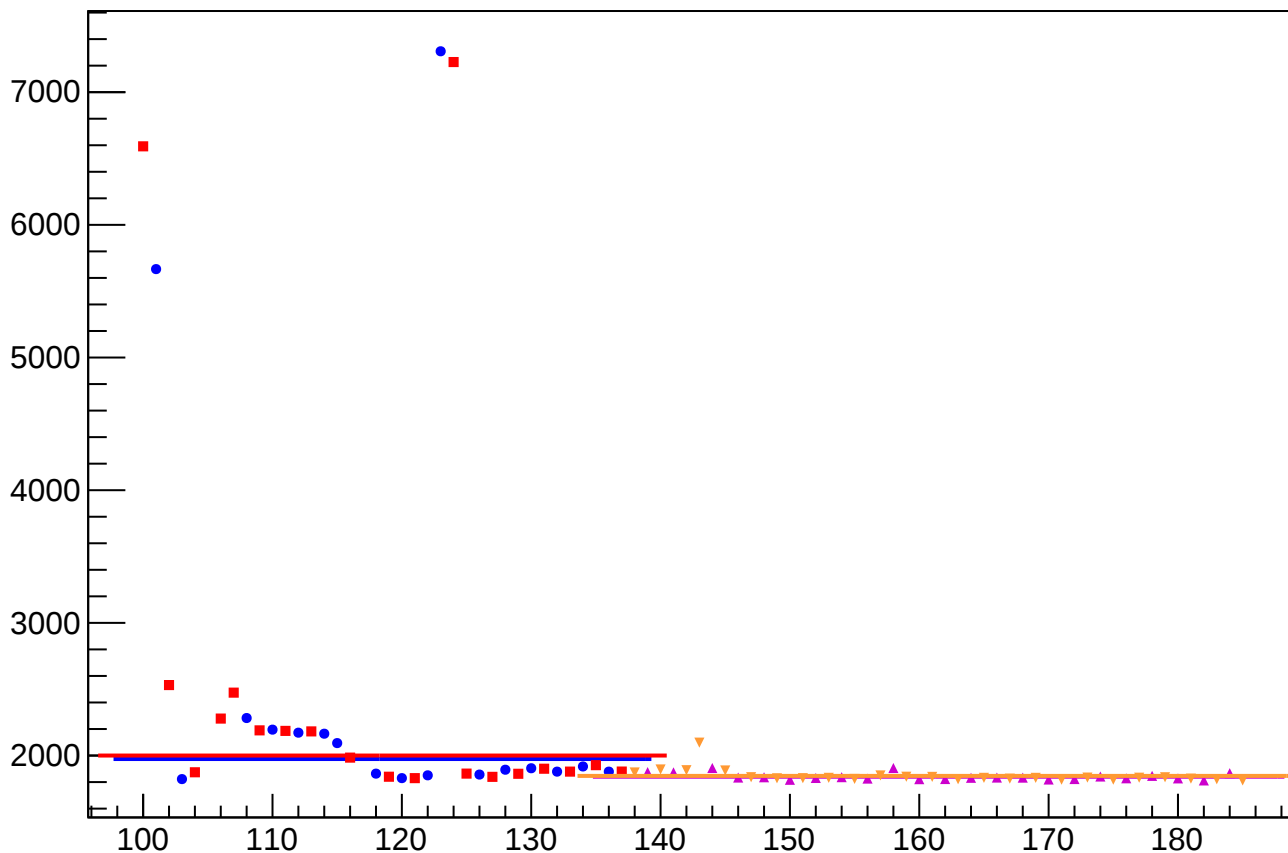
Right: 1707.759 $\pm$ 549.266 χ^2 /NDF: 32.2/35

In: 2168.200 $\pm$ 385.049 χ^2 /NDF:41.9/39

Out: 1792.965 $\pm$ 375.884 χ^2 /NDF:47.7/43

All: 1976.064 $\pm$ 268.972 χ^2 /NDF: 90.0/83

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1973.812 $\pm$ 0.556 χ^2 /NDF: 599877.2/16

Left Out: 1846.603 $\pm$ 0.305 χ^2 /NDF: 27303.9/24

Right Out: 2000.069 $\pm$ 0.543 χ^2 /NDF: 353620.6/18

Left In: 1840.541 $\pm$ 0.312 χ^2 /NDF: 6740.2/22

Left: 1843.646 $\pm$ 0.218 χ^2 /NDF: 34237.0/47

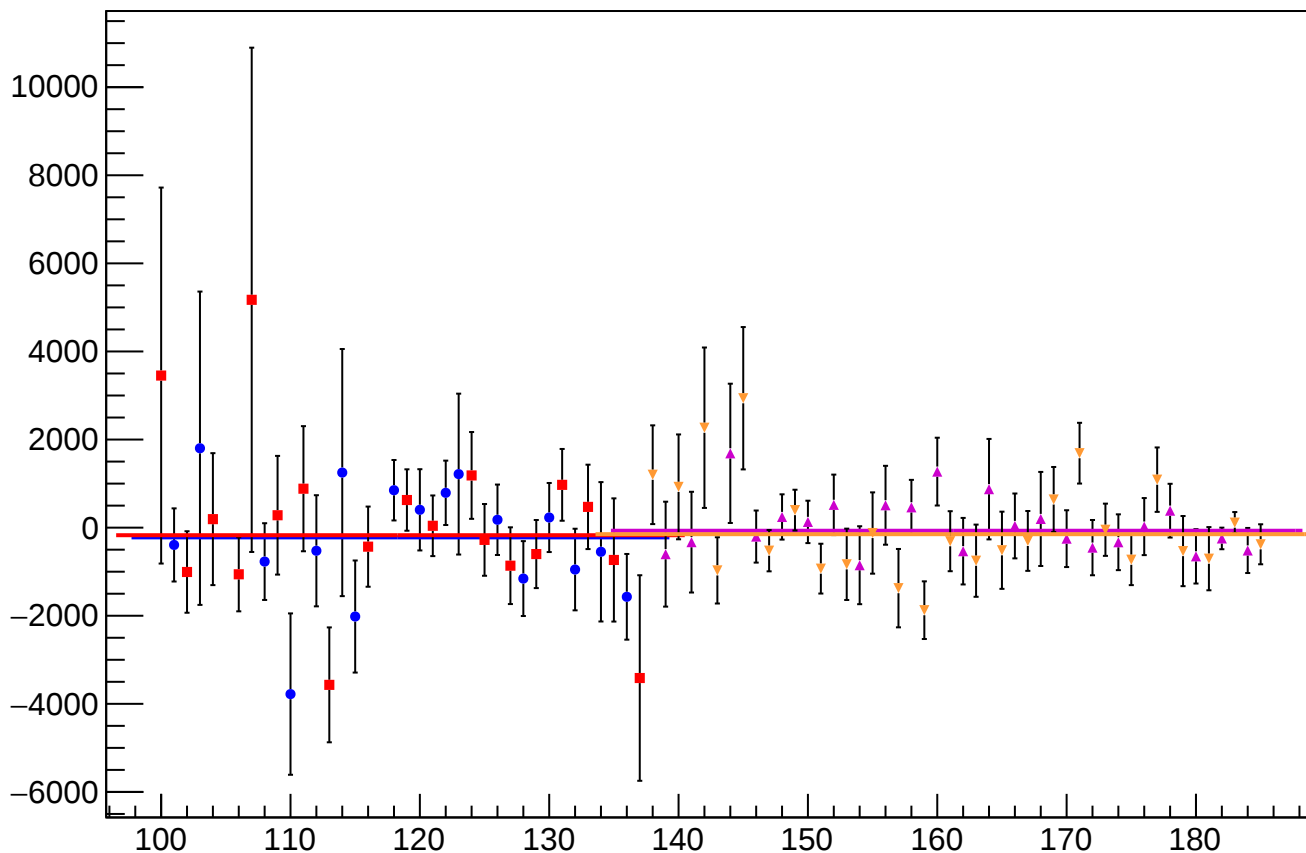
Right: 1987.241 $\pm$ 0.388 χ^2 /NDF: 954639.9/35

In: 1872.540 $\pm$ 0.272 χ^2 /NDF: 650330.8/39

Out: 1883.360 $\pm$ 0.266 χ^2 /NDF: 441650.1/43

All: 1878.080 $\pm$ 0.190 χ^2 /NDF: 1092789.7/83

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -220.797 $\pm$ 241.210 χ^2 /NDF: 16.7/16

Left Out: -148.359 $\pm$ 122.093 χ^2 /NDF:37.6/24

Right Out: -171.668 $\pm$ 229.758 χ^2 /NDF: 19.9/18

Left In: -70.340 $\pm$ 126.373 χ^2 /NDF:12.3/22

Left: -110.693 $\pm$ 87.807 χ^2 /NDF: 50.1/47

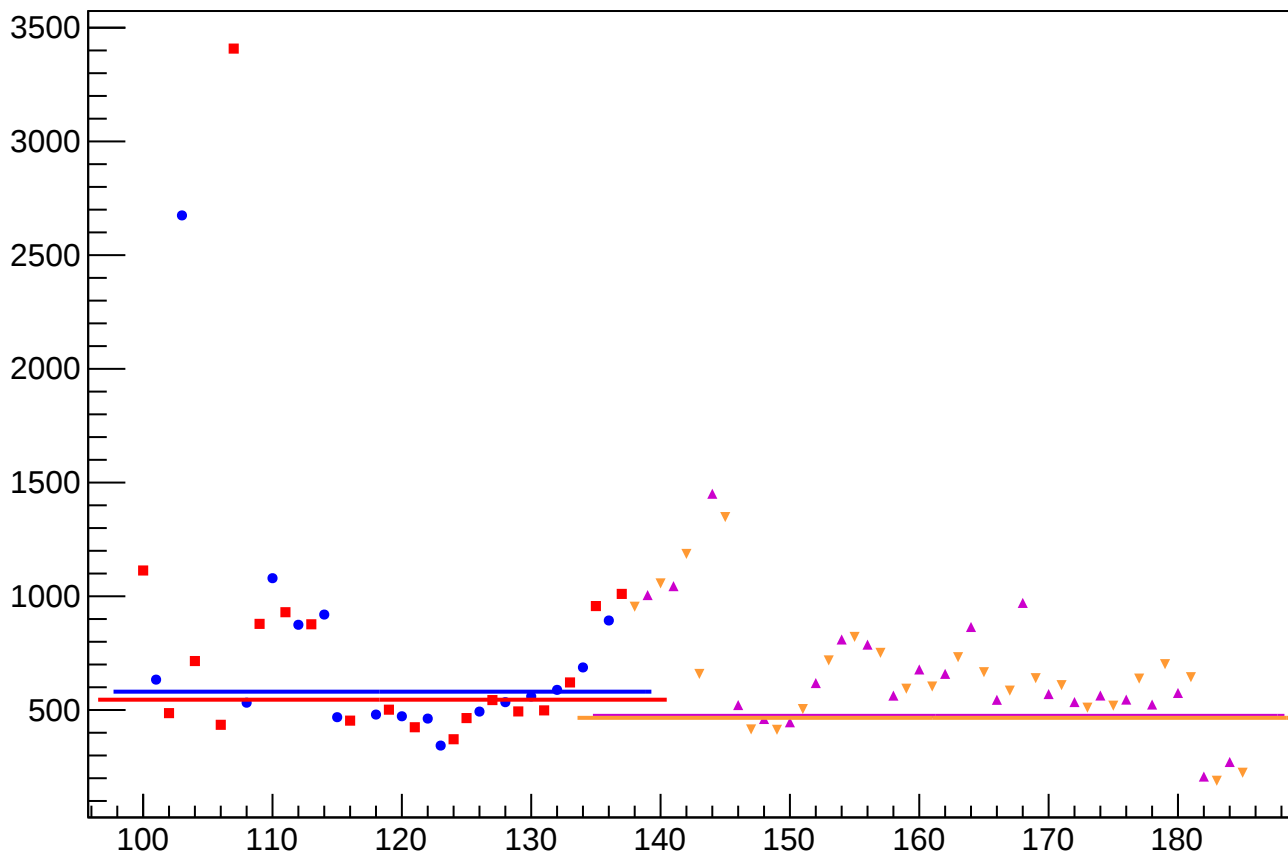
Right: -195.039 $\pm$ 166.365 χ^2 /NDF: 36.6/35

In: -102.744 $\pm$ 111.940 χ^2 /NDF:29.3/39

Out: -153.492 $\pm$ 107.815 χ^2 /NDF:57.5/43

All: -129.070 $\pm$ 77.654 χ^2 /NDF: 86.9/83

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 580.578+/-0.171 χ^2/NDF : 1413766.8/16

Left Out: 465.559+/-0.086 χ^2/NDF : 7068909.0/24

Right Out: 545.286+/-0.162 χ^2/NDF : 1455572.2/18

Left In: 474.263+/-0.089 χ^2/NDF : 6173100.1/22

Left: 469.761+/-0.062 χ^2/NDF : 13246916.4/47

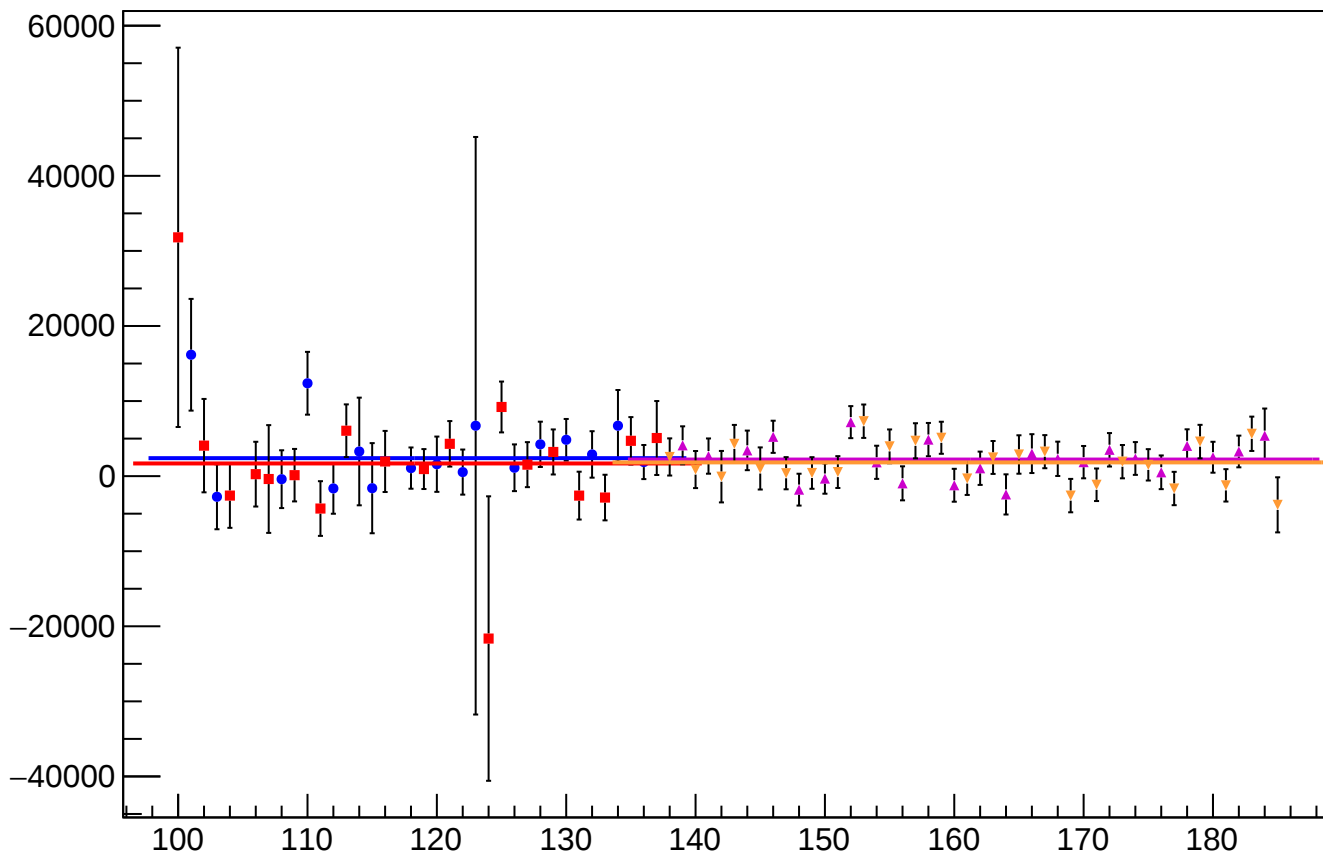
Right: 562.075+/-0.118 χ^2/NDF : 2891787.0/35

In: 497.160+/-0.079 χ^2/NDF : 7891726.7/39

Out: 483.115+/-0.076 χ^2/NDF : 8712278.2/43

All: 489.874+/-0.055 χ^2/NDF : 16620338.4/83

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2394.430+/-865.666 χ^2/NDF : 15.8/16

Left Out: 1831.402+/-462.760 χ^2/NDF : 32.4/24

Right Out: 1689.195+/-856.105 χ^2/NDF : 20.2/18

Left In: 2208.114+/-474.050 χ^2/NDF : 25.3/22

Left: 2015.219+/-331.140 χ^2/NDF : 58.0/47

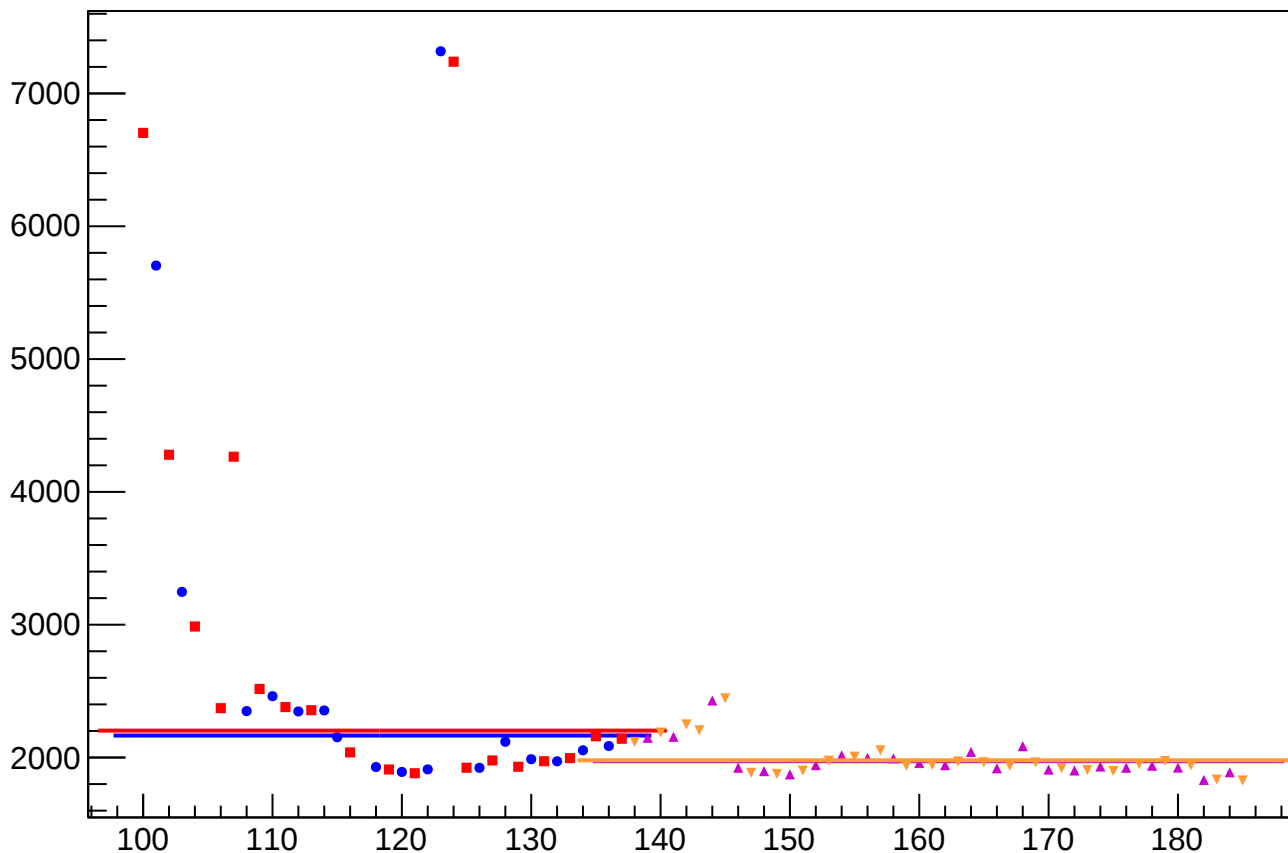
Right: 2037.897+/-608.710 χ^2/NDF : 36.4/35

In: 2251.097+/-415.789 χ^2/NDF : 41.2/39

Out: 1799.247+/-407.093 χ^2/NDF : 52.6/43

All: 2020.397+/-290.884 χ^2/NDF : 94.4/83

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2165.566 ± 0.612 χ^2/NDF : 707806.4/16

Left Out: 1979.034 ± 0.327 χ^2/NDF : 139258.0/24

Right Out: 2202.669 ± 0.605 χ^2/NDF : 799074.2/18

Left In: 1972.166 ± 0.335 χ^2/NDF : 116452.5/22

Left: 1975.683 ± 0.234 χ^2/NDF : 255925.3/47

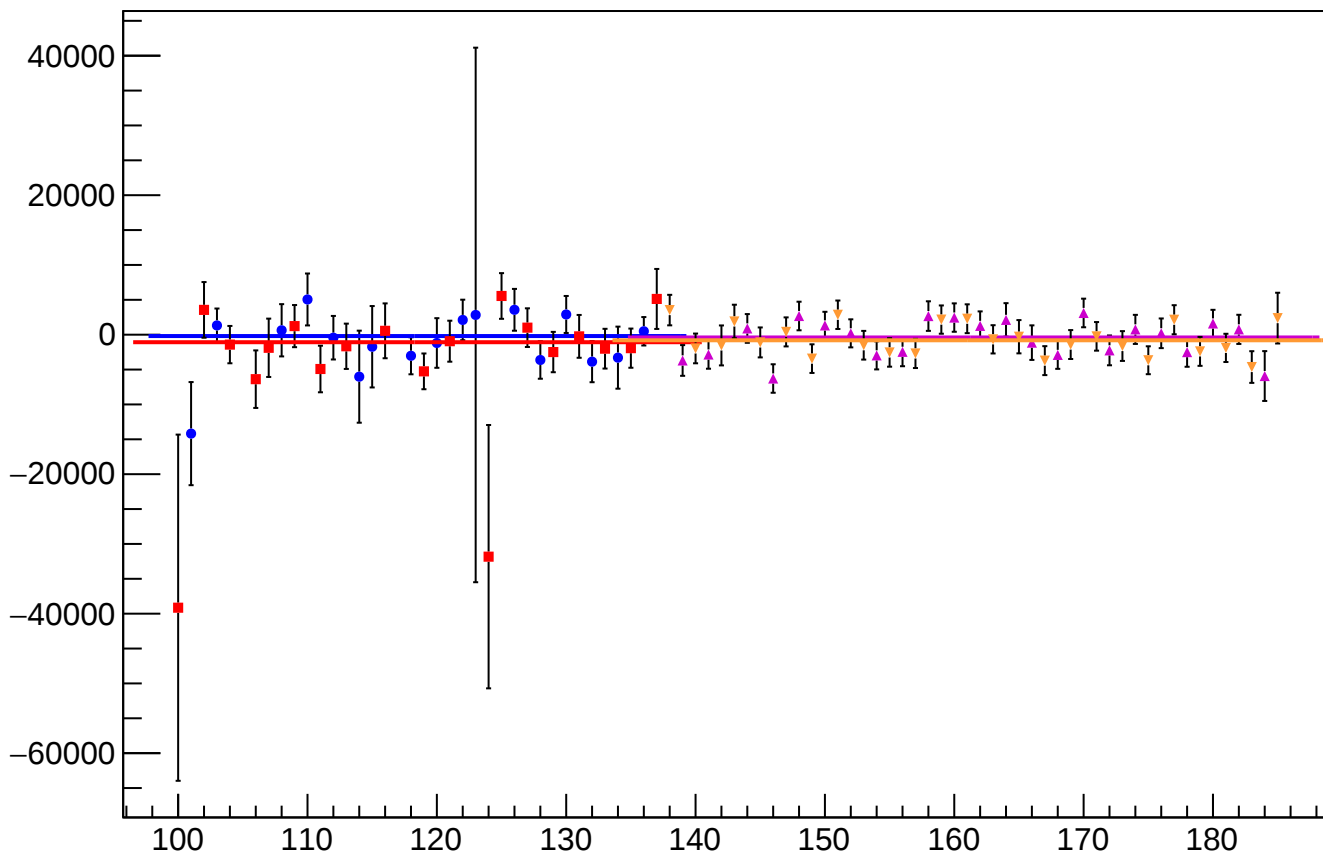
Right: 2184.324 ± 0.430 χ^2/NDF : 1508738.0/35

In: 2016.783 ± 0.294 χ^2/NDF : 901054.8/39

Out: 2029.602 ± 0.288 χ^2/NDF : 1043949.3/43

All: 2023.328 ± 0.206 χ^2/NDF : 1945974.6/83

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -195.092+/-784.368 χ^2/NDF : 15.4/16

Left Out: -801.940+/-430.359 χ^2/NDF : 27.7/24

Right Out: -1078.628+/-766.426 χ^2/NDF : 20.1/18

Left In: -398.797+/-441.246 χ^2/NDF : 34.4/22

Left: -605.403+/-308.087 χ^2/NDF : 62.5/47

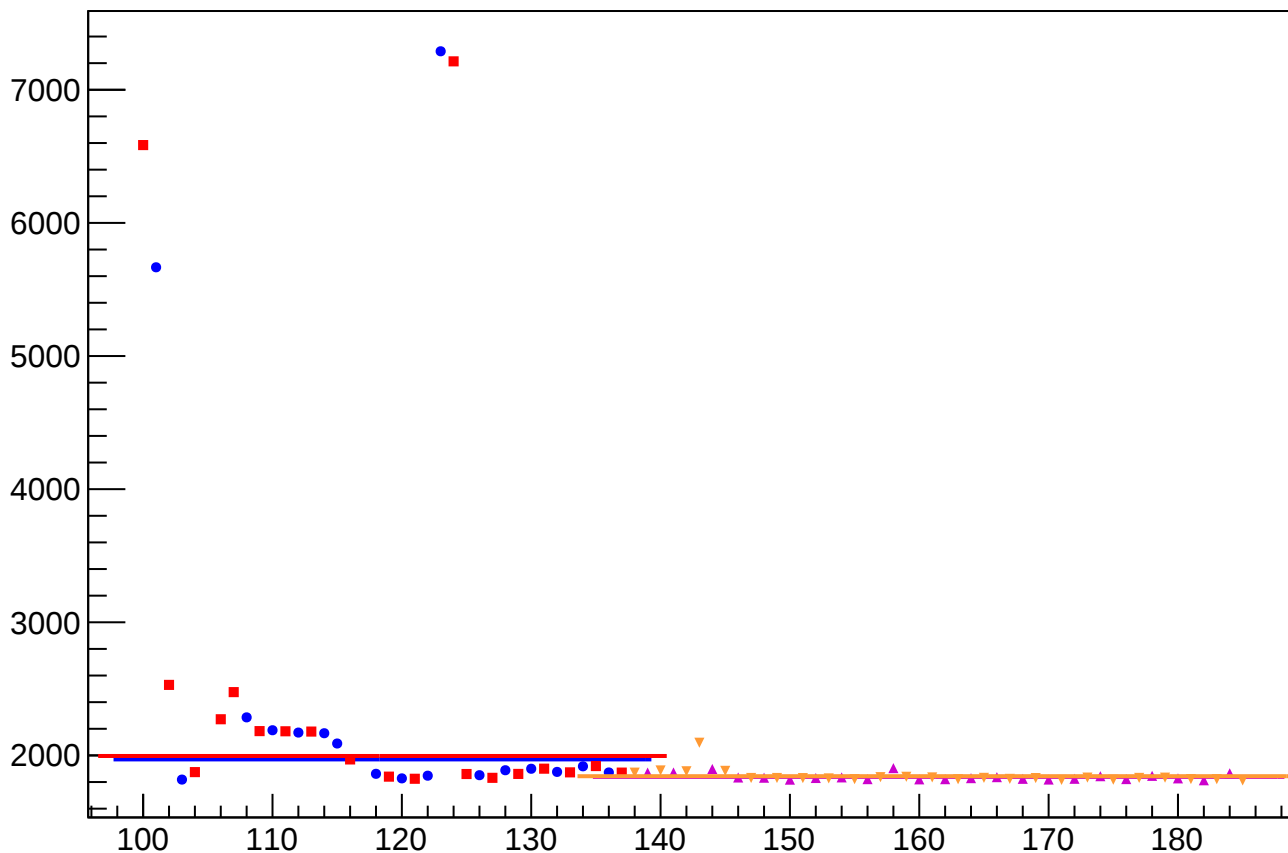
Right: -647.080+/-548.178 χ^2/NDF : 36.2/35

In: -349.829+/-384.571 χ^2/NDF : 49.9/39

Out: -868.267+/-375.249 χ^2/NDF : 47.9/43

All: -615.408+/-268.576 χ^2/NDF : 98.7/83

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1969.951+/-0.555 χ^2/NDF : 602002.6/16

Left Out: 1843.754+/-0.304 χ^2/NDF : 26865.4/24

Right Out: 1995.751+/-0.542 χ^2/NDF : 354300.7/18

Left In: 1838.611+/-0.312 χ^2/NDF : 6335.1/22

Left: 1841.247+/-0.218 χ^2/NDF : 33339.8/47

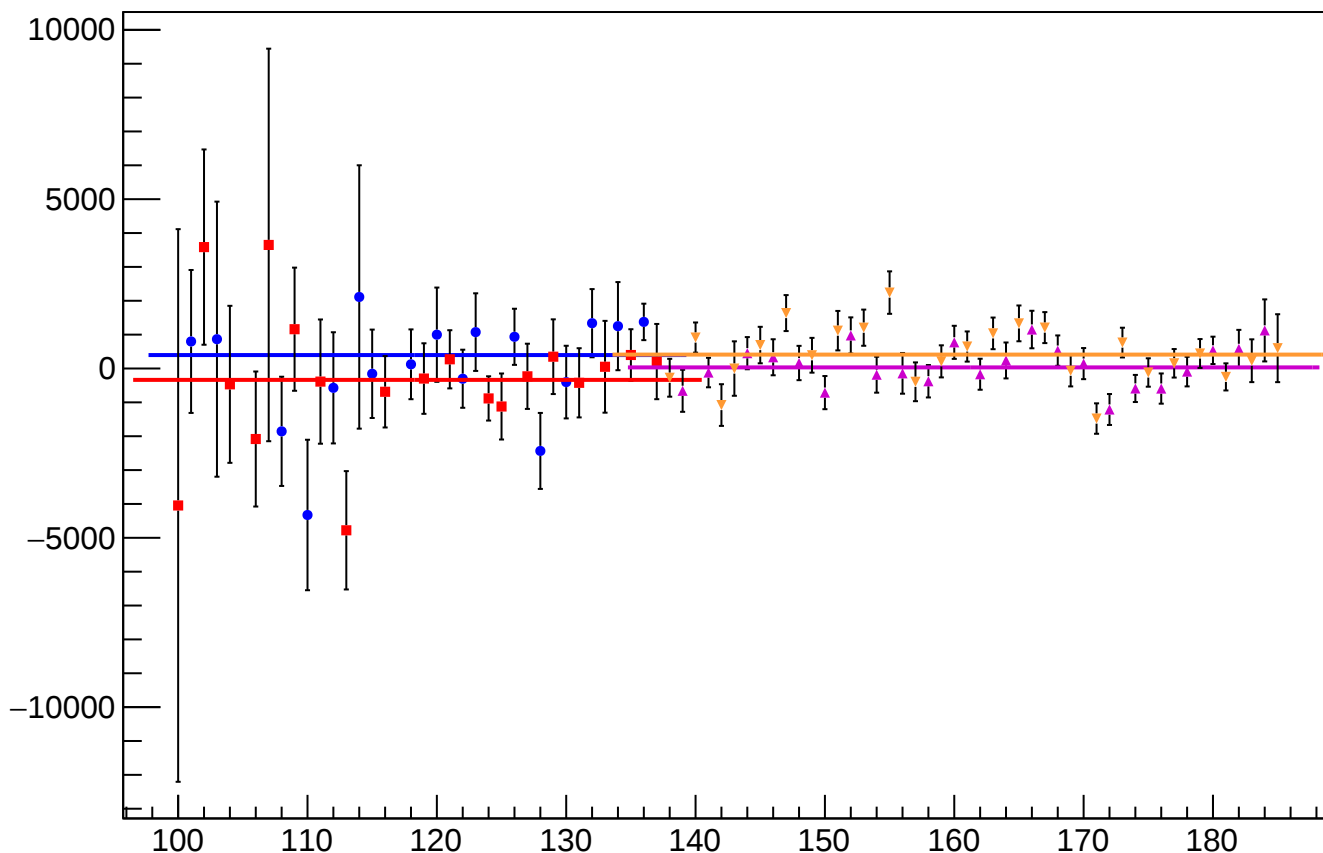
Right: 1983.150+/-0.388 χ^2/NDF : 957410.2/35

In: 1870.184+/-0.272 χ^2/NDF : 650934.5/39

Out: 1880.190+/-0.265 χ^2/NDF : 440971.1/43

All: 1875.310+/-0.190 χ^2/NDF : 1092599.3/83

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 396.702 ± 270.925 $\chi^2/\text{NDF}: 20.5/16$

Left Out: 410.418 ± 100.464 $\chi^2/\text{NDF}: 61.2/24$

Right Out: -336.277 ± 266.891 $\chi^2/\text{NDF}: 14.1/18$

Left In: 32.456 ± 102.403 $\chi^2/\text{NDF}: 32.7/22$

Left: 225.050 ± 71.715 $\chi^2/\text{NDF}: 100.9/47$

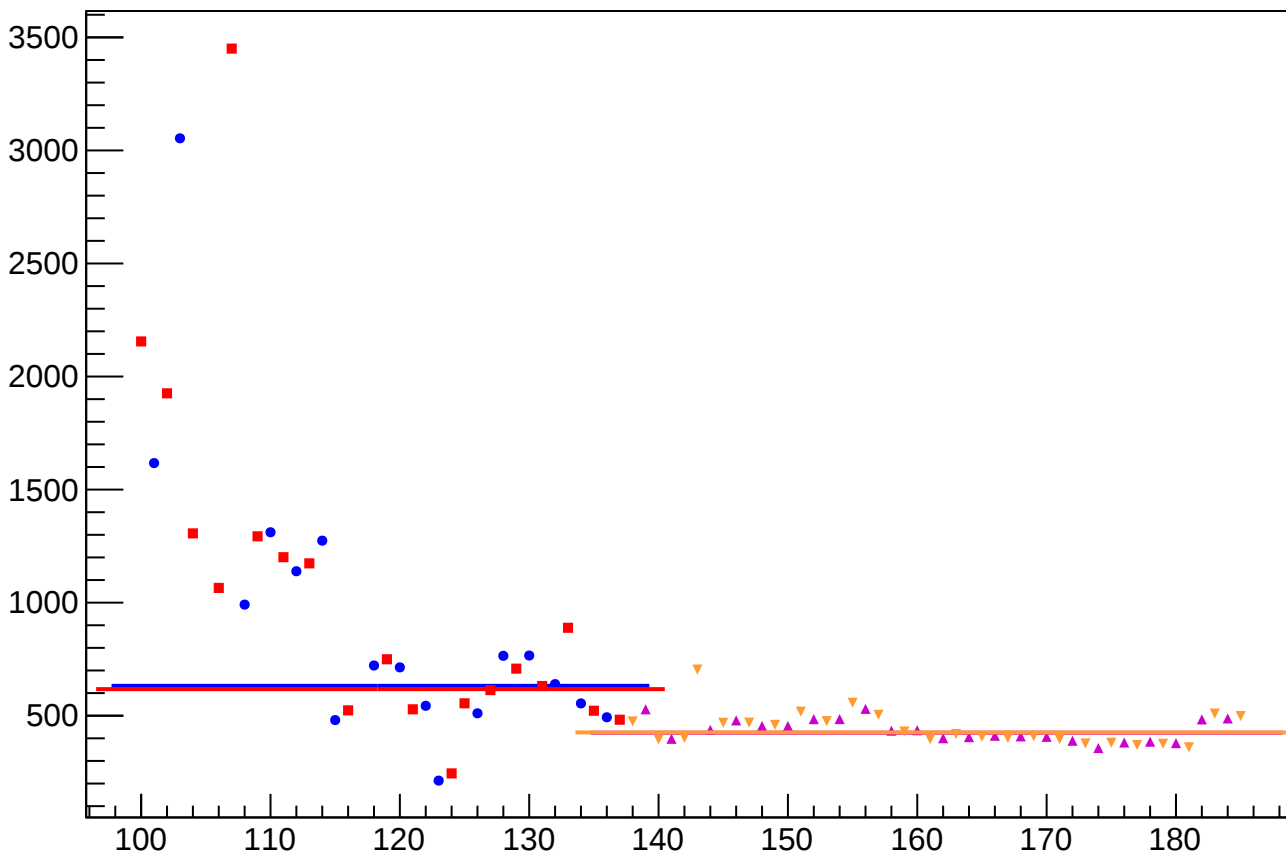
Right: 24.714 ± 190.131 $\chi^2/\text{NDF}: 38.2/35$

In: 77.989 ± 95.789 $\chi^2/\text{NDF}: 54.8/39$

Out: 317.746 ± 94.023 $\chi^2/\text{NDF}: 82.1/43$

All: 200.098 ± 67.100 $\chi^2/\text{NDF}: 140.1/83$

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 632.093 $\pm$ 0.192 χ^2 /NDF: 2258413.9/16

Left Out: 426.009 $\pm$ 0.071 χ^2 /NDF: 732667.9/24

Right Out: 617.519 $\pm$ 0.189 χ^2 /NDF: 2802398.1/18

Left In: 424.639 $\pm$ 0.072 χ^2 /NDF: 391611.2/22

Left: 425.337 $\pm$ 0.051 χ^2 /NDF: 1124461.5/47

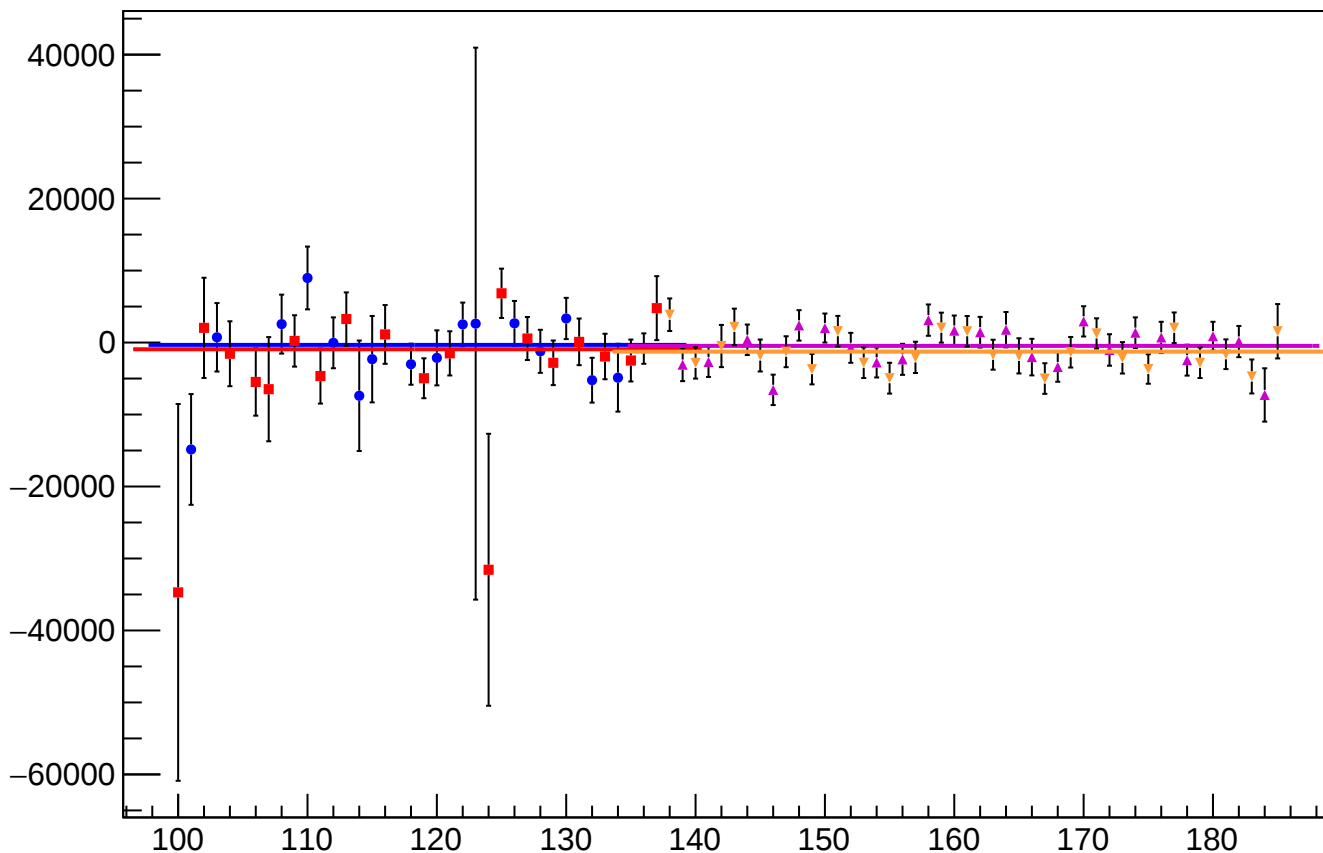
Right: 624.697 $\pm$ 0.134 χ^2 /NDF: 5063749.2/35

In: 450.572 $\pm$ 0.068 χ^2 /NDF: 3676105.1/39

Out: 449.777 $\pm$ 0.066 χ^2 /NDF: 4437046.2/43

All: 450.167 $\pm$ 0.047 χ^2 /NDF: 8113221.5/83

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -324.791+/-874.352 χ^2/NDF : 17.7/16

Left Out: -1260.522+/-443.275 χ^2/NDF : 30.6/24

Right Out: -932.195+/-870.269 χ^2/NDF : 18.7/18

Left In: -462.599+/-453.947 χ^2/NDF : 32.6/22

Left: -871.050+/-317.148 χ^2/NDF : 64.7/47

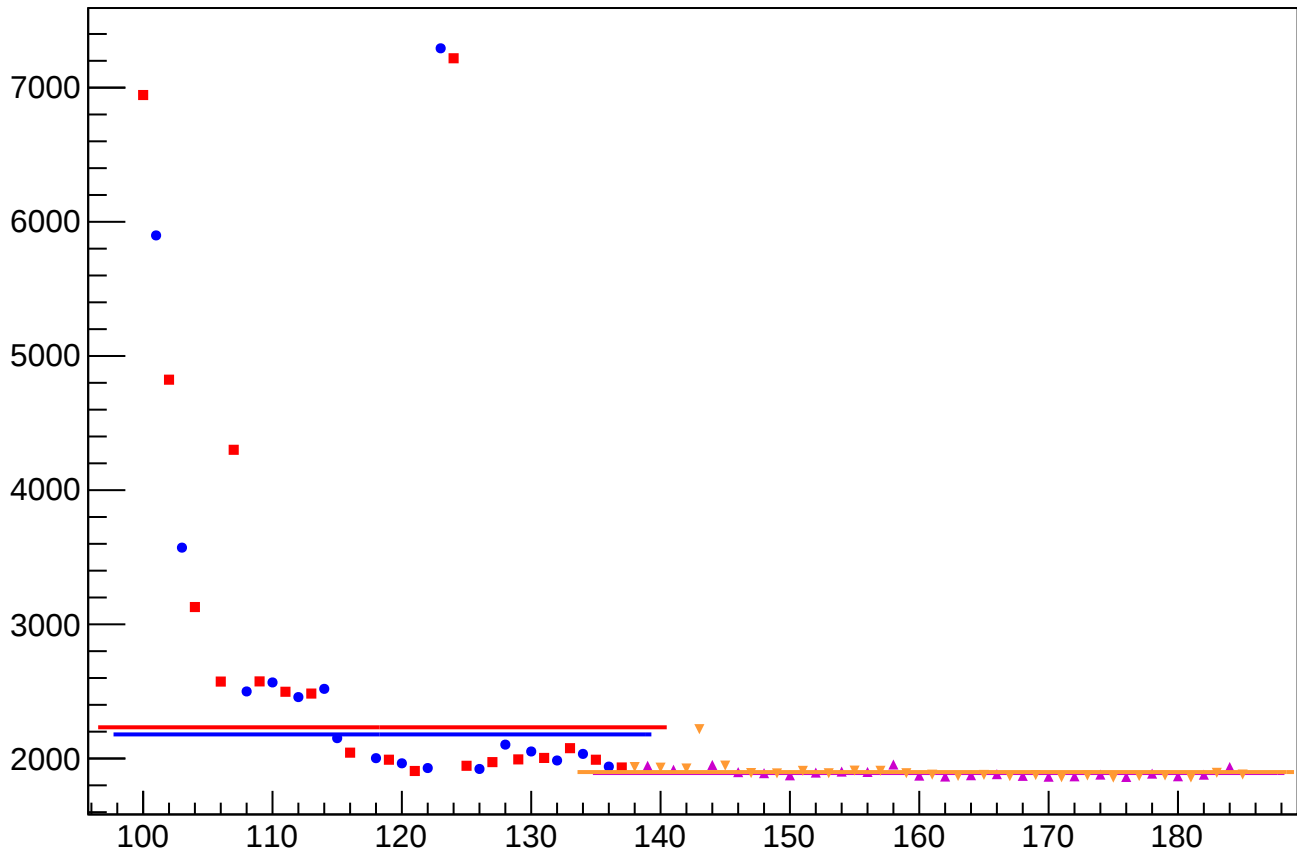
Right: -629.915+/-616.812 χ^2/NDF : 36.7/35

In: -433.340+/-402.884 χ^2/NDF : 50.3/39

Out: -1192.888+/-394.988 χ^2/NDF : 49.3/43

All: -820.630+/-282.049 χ^2/NDF : 101.5/83

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2179.524+/-0.618 χ^2/NDF : 800832.9/16

Left Out: 1898.962+/-0.313 χ^2/NDF : 38680.4/24

Right Out: 2232.584+/-0.615 χ^2/NDF : 892015.8/18

Left In: 1891.693+/-0.321 χ^2/NDF : 7420.7/22

Left: 1895.414+/-0.224 χ^2/NDF : 46363.6/47

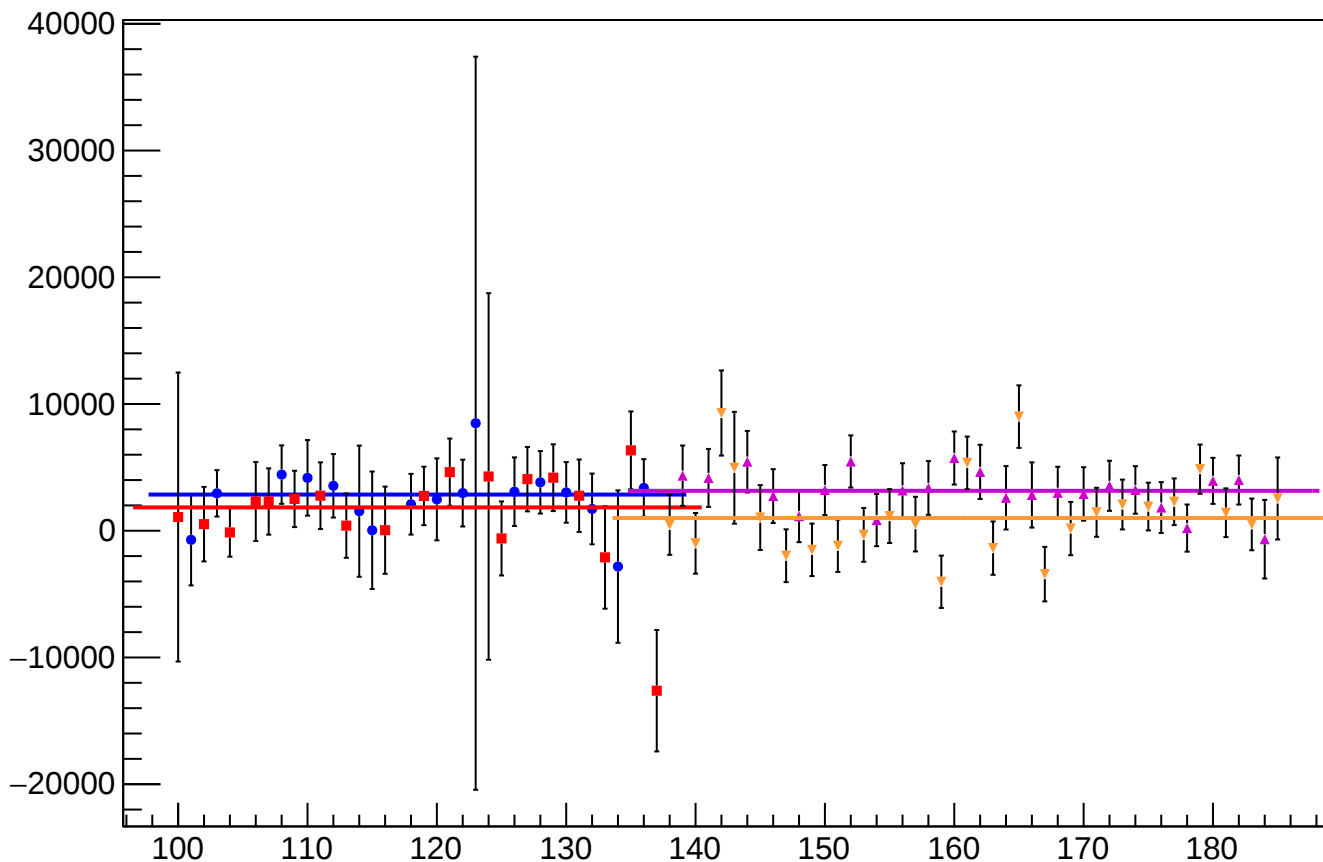
Right: 2206.178+/-0.436 χ^2/NDF : 1696548.5/35

In: 1952.805+/-0.285 χ^2/NDF : 978973.6/39

Out: 1967.687+/-0.279 χ^2/NDF : 1164071.7/43

All: 1960.393+/-0.199 χ^2/NDF : 2144437.0/83

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2855.433+/-680.542 χ^2/NDF : 3.6/16

Left Out: 1005.137+/-435.316 χ^2/NDF : 44.6/24

Right Out: 1842.875+/-656.991 χ^2/NDF : 18.0/18

Left In: 3150.437+/-441.145 χ^2/NDF : 11.8/22

Left: 2063.519+/-309.855 χ^2/NDF : 68.4/47

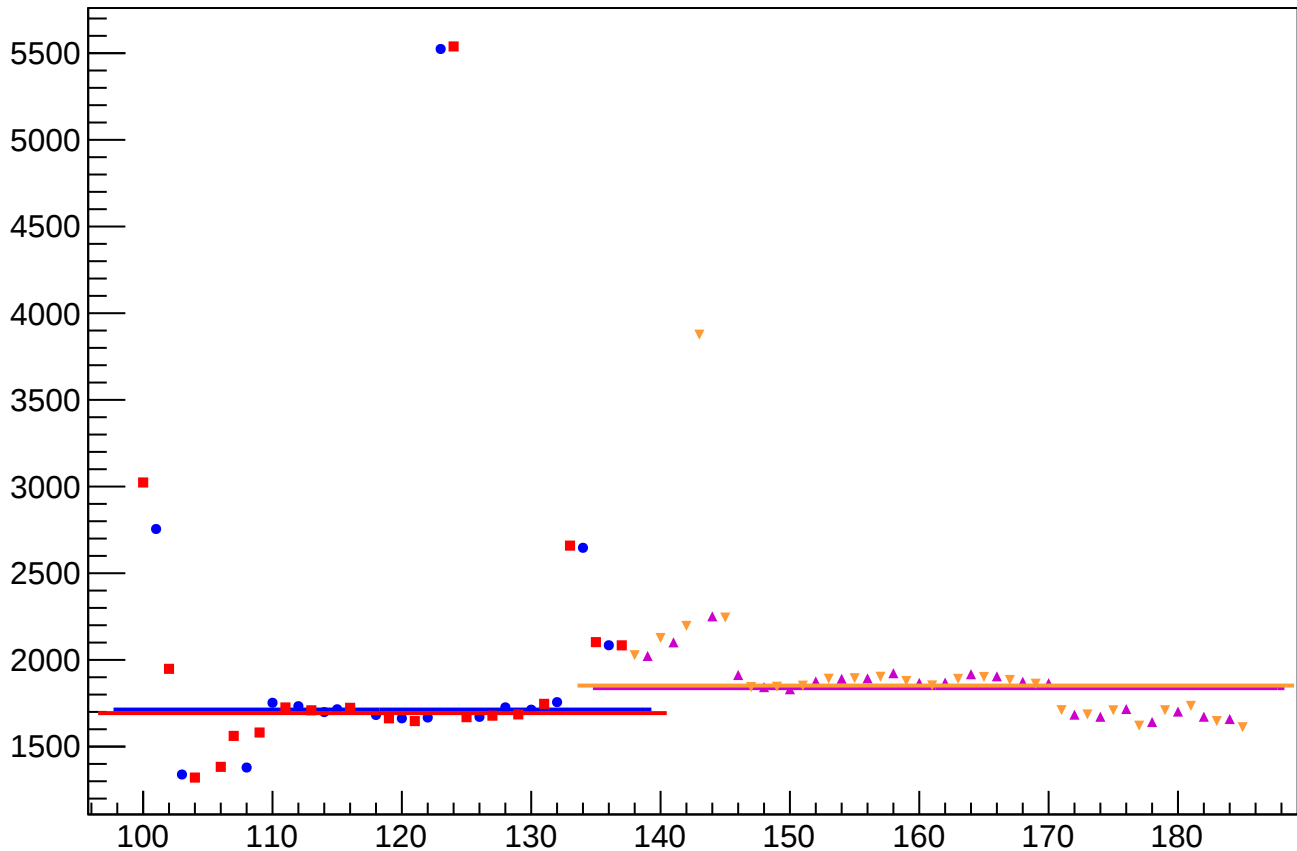
Right: 2331.330+/-472.669 χ^2/NDF : 22.7/35

In: 3063.153+/-370.175 χ^2/NDF : 15.6/39

Out: 1260.719+/-362.886 χ^2/NDF : 63.7/43

All: 2144.015+/-259.138 χ^2/NDF : 91.4/83

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1713.549 $\pm$ 0.481 χ^2 /NDF: 432300.3/16

Left Out: 1852.017 $\pm$ 0.308 χ^2 /NDF: 648840.9/24

Right Out: 1693.096 $\pm$ 0.465 χ^2 /NDF: 454659.7/18

Left In: 1837.151 $\pm$ 0.312 χ^2 /NDF: 200514.0/22

Left: 1844.683 $\pm$ 0.219 χ^2 /NDF: 850505.7/47

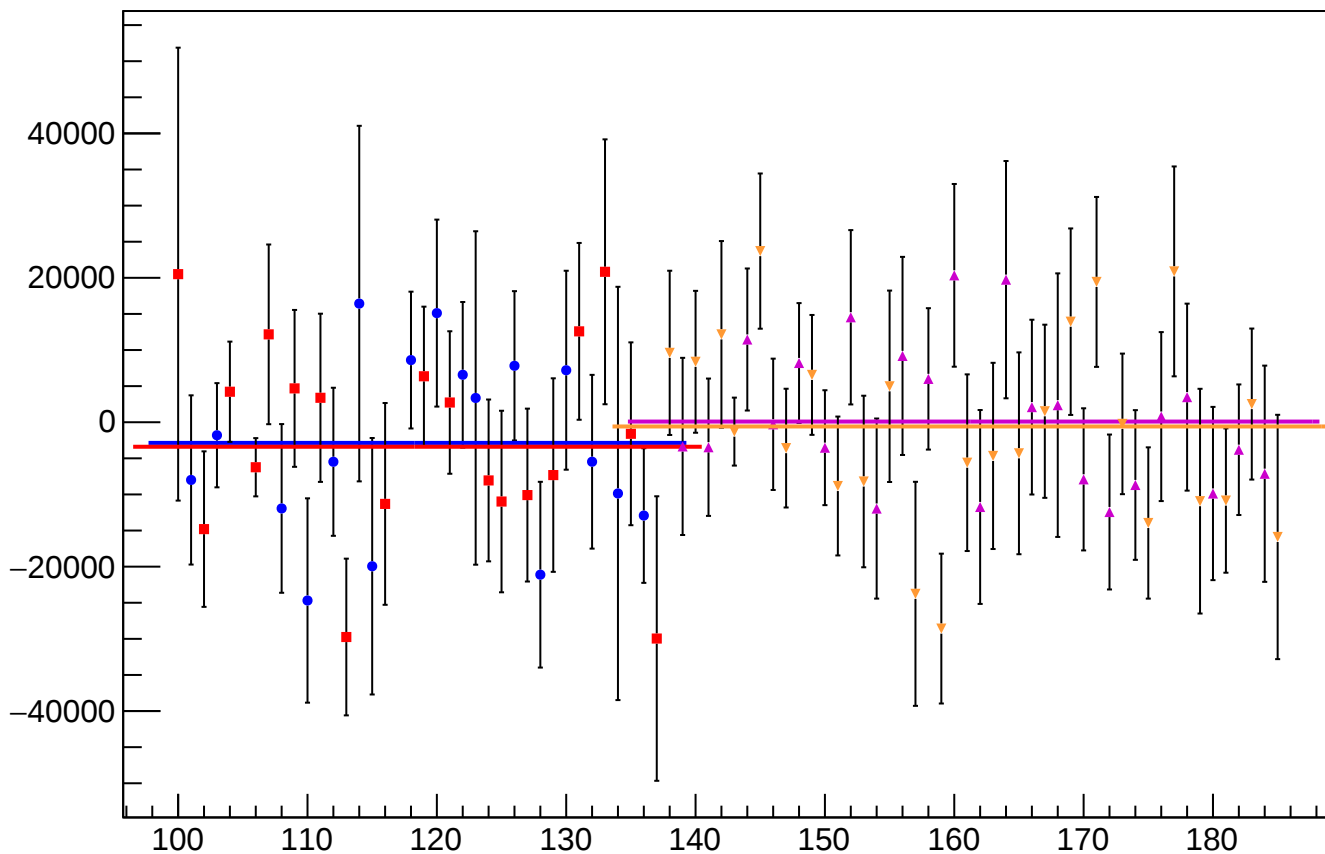
Right: 1702.962 $\pm$ 0.334 χ^2 /NDF: 887895.0/35

In: 1800.580 $\pm$ 0.262 χ^2 /NDF: 679268.1/39

Out: 1803.532 $\pm$ 0.257 χ^2 /NDF: 1184822.9/43

All: 1802.086 $\pm$ 0.183 χ^2 /NDF: 1864155.9/83

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -2861.382 $\pm$ 2859.849 χ^2 /NDF: 14.0/16

Left Out: -587.203 $\pm$ 2069.894 χ^2 /NDF:30.2/24

Right Out: -3395.034 $\pm$ 2269.782 χ^2 /NDF: 19.7/18

Left In: 93.334 $\pm$ 2293.826 χ^2 /NDF:14.6/22

Left: -281.766 $\pm$ 1536.723 χ^2 /NDF: 44.9/47

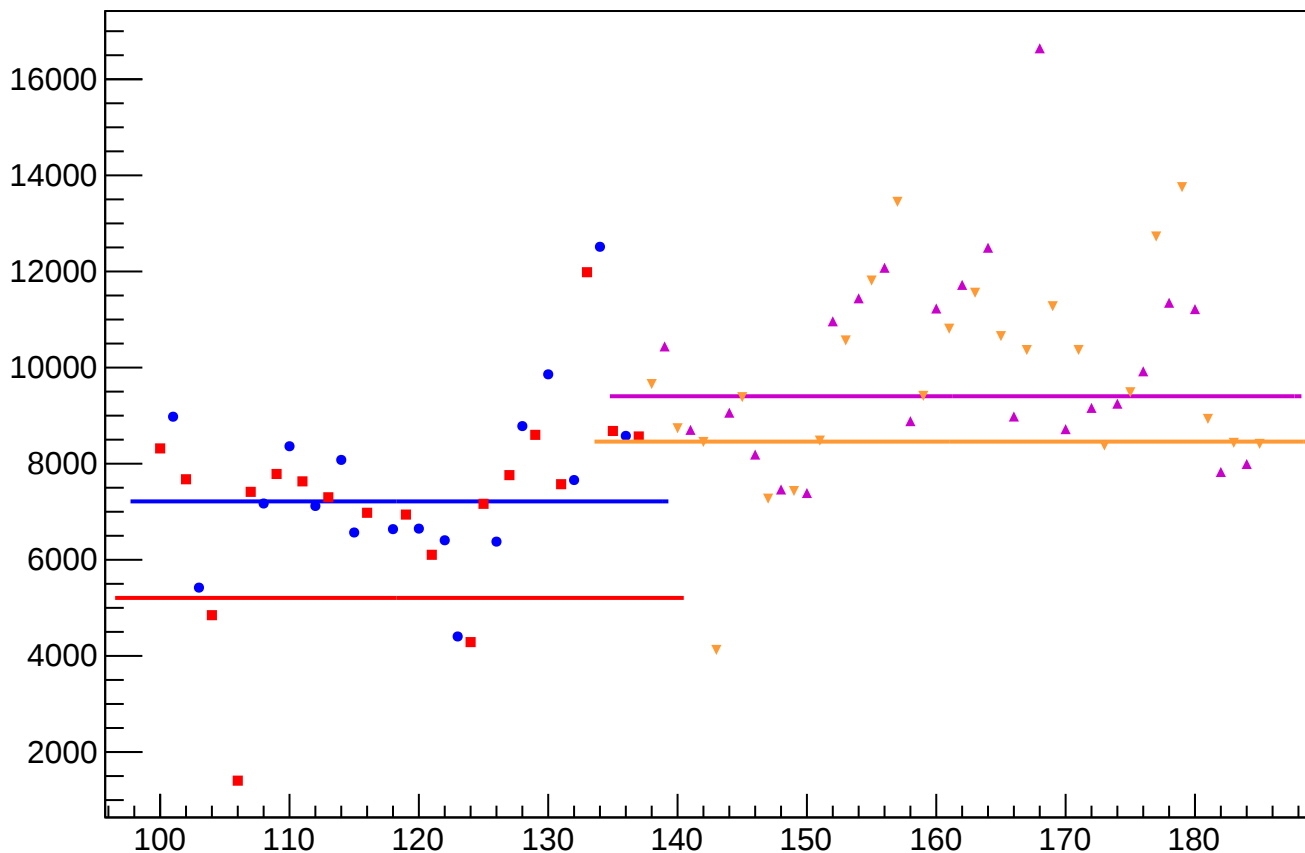
Right: -3188.793 $\pm$ 1777.877 χ^2 /NDF: 33.8/35

In: -1063.378 $\pm$ 1789.361 χ^2 /NDF:29.3/39

Out: -1862.062 $\pm$ 1529.431 χ^2 /NDF:50.7/43

All: -1524.892 $\pm$ 1162.612 χ^2 /NDF: 80.1/83

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7215.564+/-2.022 χ^2/NDF : 471682.0/16

Left Out: 8459.665+/-1.464 χ^2/NDF :3087206.7/24

Right Out: 5206.982+/-1.605 χ^2/NDF : 3196167.0/18

Left In: 9403.481+/-1.622 χ^2/NDF :1142646.9/22

Left: 8883.267+/-1.087 χ^2/NDF : 4416482.5/47

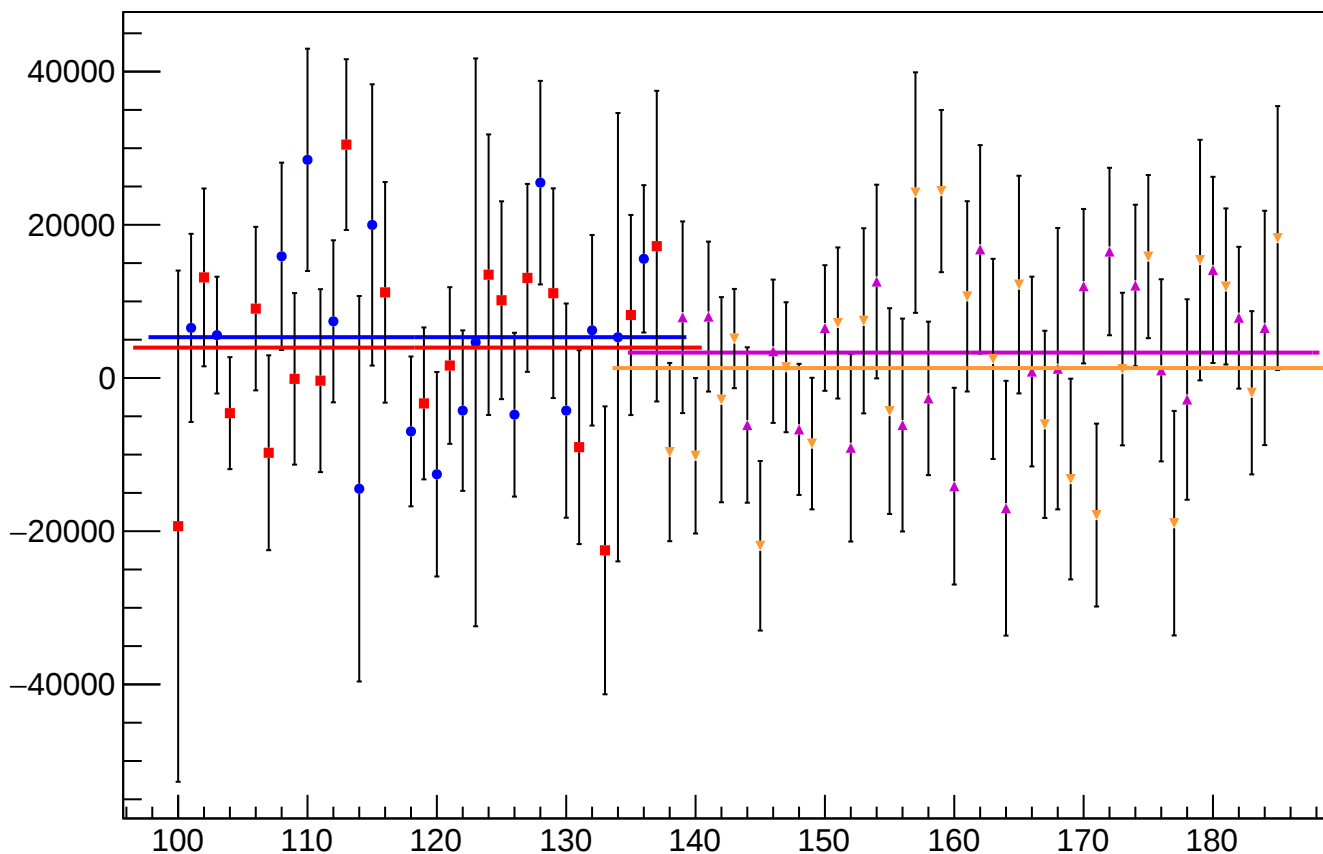
Right: 5983.241+/-1.257 χ^2/NDF : 4273131.1/35

In: 8546.955+/-1.265 χ^2/NDF :2326657.7/39

Out: 6982.827+/-1.081 χ^2/NDF :8525749.1/43

All: 7643.134+/-0.822 χ^2/NDF : 11735464.7/8

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5329.954+/-2979.601 χ^2/NDF : 13.6/16

Left Out: 1299.716+/-2213.981 χ^2/NDF : 28.1/24

Right Out: 3971.333+/-2795.963 χ^2/NDF : 15.5/18

Left In: 3316.909+/-2344.543 χ^2/NDF : 13.7/22

Left: 2250.585+/-1609.699 χ^2/NDF : 42.2/47

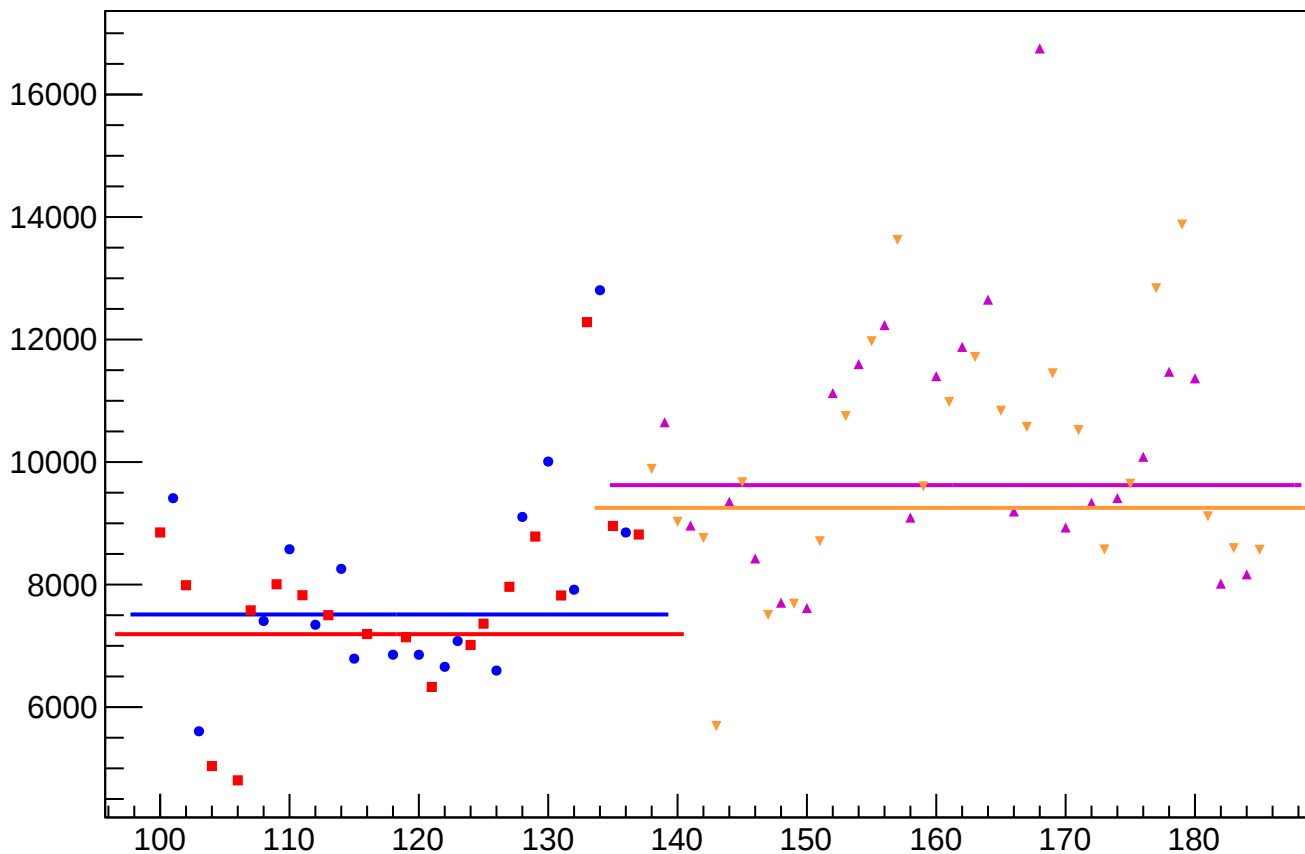
Right: 4607.488+/-2038.876 χ^2/NDF : 29.3/35

In: 4086.685+/-1842.527 χ^2/NDF : 27.6/39

Out: 2329.307+/-1735.708 χ^2/NDF : 44.2/43

All: 3155.581+/-1263.407 χ^2/NDF : 72.3/83

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7511.954+/-2.107 χ^2/NDF : 430092.6/16

Left Out: 9252.530+/-1.566 χ^2/NDF :1597805.3/24

Right Out: 7190.607+/-1.977 χ^2/NDF : 559177.4/18

Left In: 9623.485+/-1.658 χ^2/NDF :1069924.0/22

Left: 9427.392+/-1.138 χ^2/NDF : 2694196.0/47

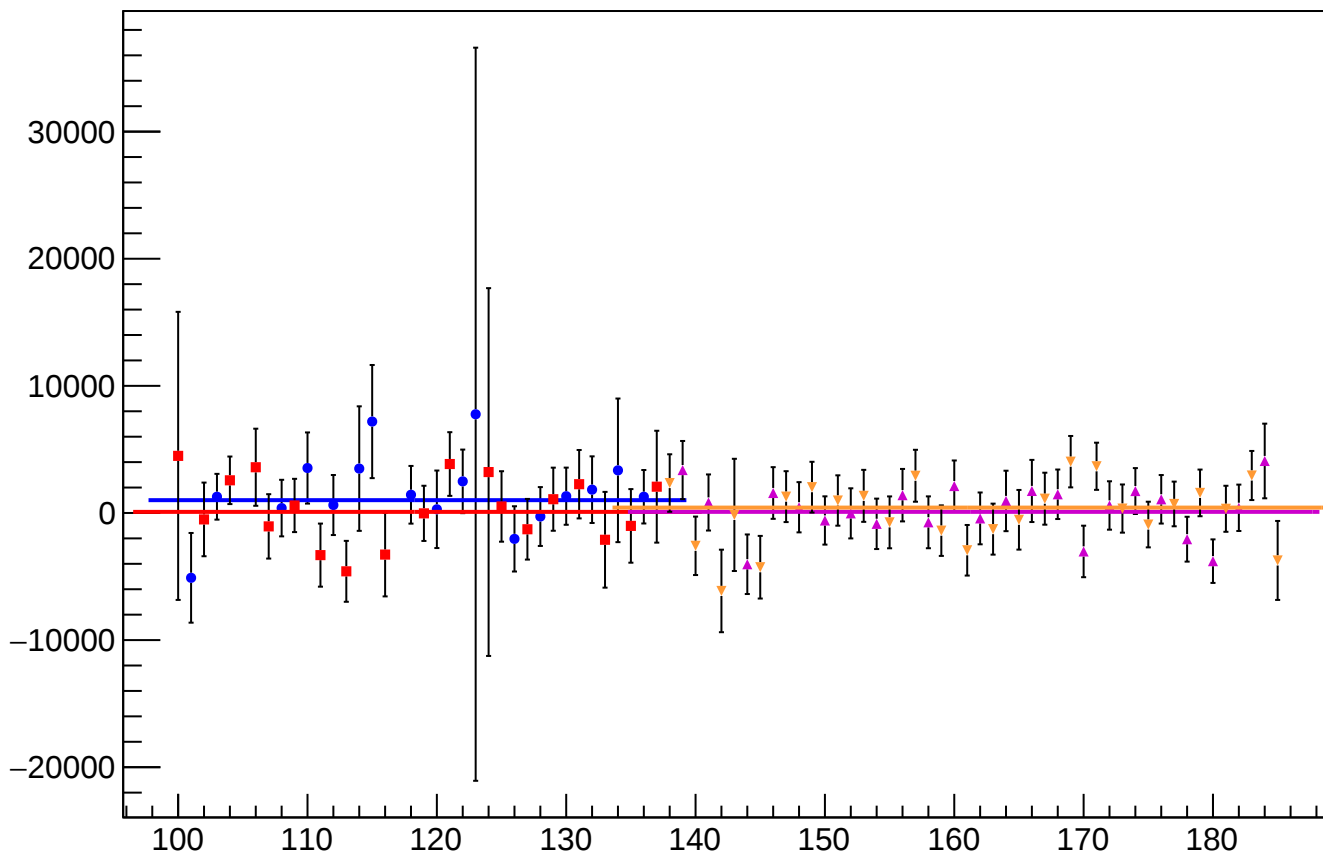
Right: 7341.057+/-1.442 χ^2/NDF : 1001642.3/35

In: 8816.022+/-1.303 χ^2/NDF :2120362.6/39

Out: 8457.777+/-1.227 χ^2/NDF :2825614.1/43

All: 8626.208+/-0.893 χ^2/NDF : 4986037.5/83

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1007.483+/-646.543 χ^2/NDF : 8.6/16

Left Out: 422.941+/-416.446 χ^2/NDF : 28.5/24

Right Out: 85.858+/-625.192 χ^2/NDF : 14.5/18

Left In: 88.373+/-421.957 χ^2/NDF : 21.0/22

Left: 257.856+/-296.401 χ^2/NDF : 49.8/47

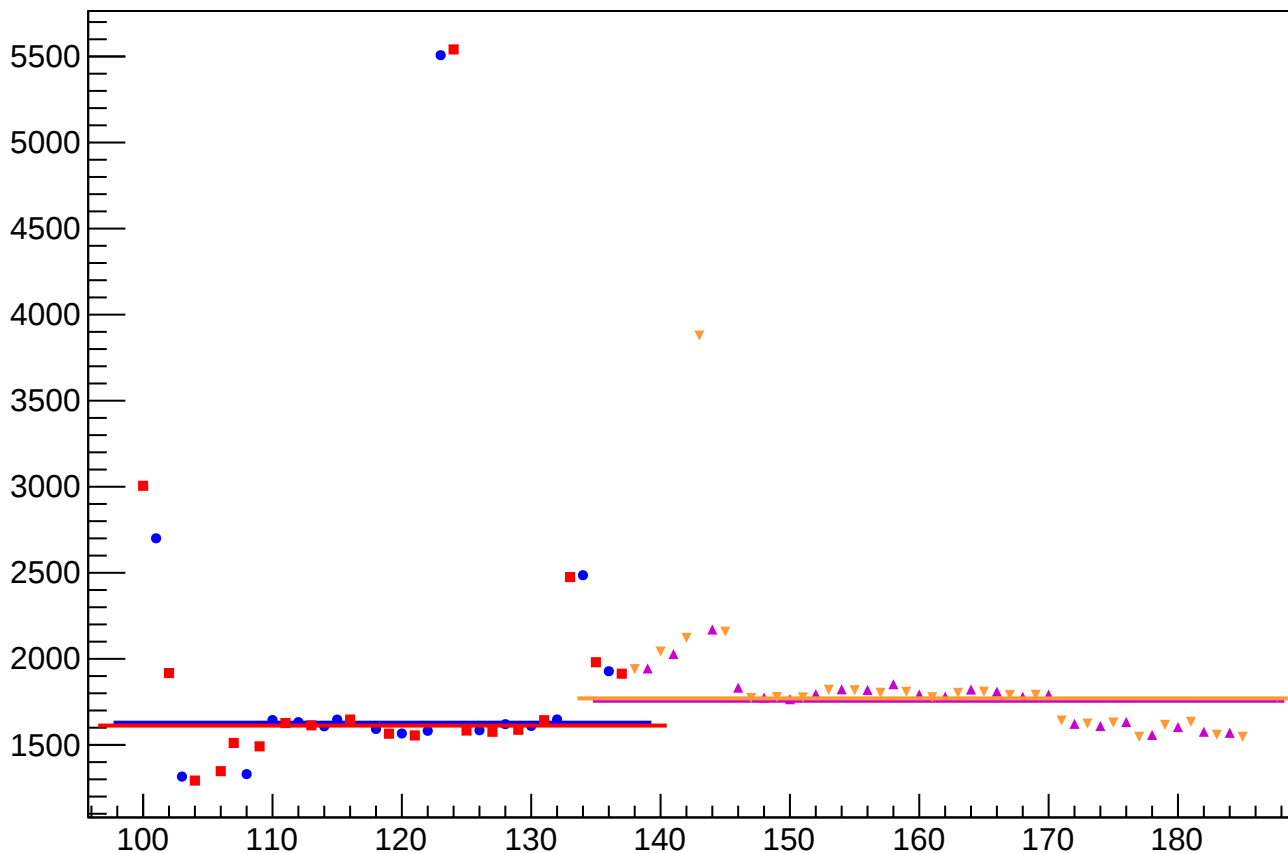
Right: 531.202+/-449.436 χ^2/NDF : 24.2/35

In: 362.916+/-353.361 χ^2/NDF : 31.0/39

Out: 319.344+/-346.593 χ^2/NDF : 43.2/43

All: 340.708+/-247.436 χ^2/NDF : 74.2/83

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1629.197 $\pm$ 0.457 χ^2 /NDF: 406744.5/16

Left Out: 1770.449 $\pm$ 0.294 χ^2 /NDF: 699386.6/24

Right Out: 1612.347 $\pm$ 0.442 χ^2 /NDF: 433525.9/18

Left In: 1756.623 $\pm$ 0.298 χ^2 /NDF: 223077.6/22

Left: 1763.627 $\pm$ 0.210 χ^2 /NDF: 923551.9/47

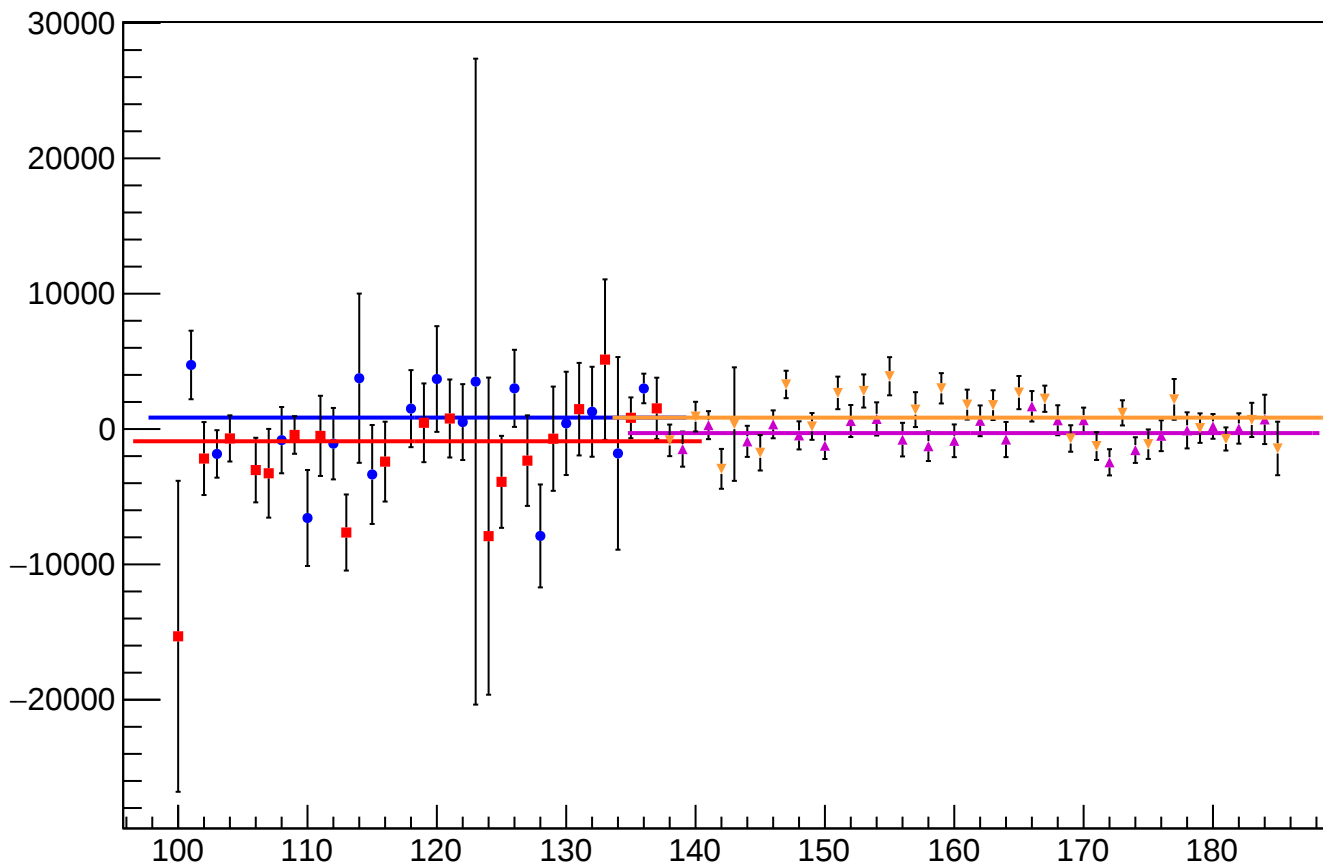
Right: 1620.489 $\pm$ 0.318 χ^2 /NDF: 840972.4/35

In: 1718.560 $\pm$ 0.250 χ^2 /NDF: 684303.7/39

Out: 1721.859 $\pm$ 0.245 χ^2 /NDF: 1221506.2/43

All: 1720.241 $\pm$ 0.175 χ^2 /NDF: 1905898.8/83

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 846.430 $\pm$ 632.780 χ^2 /NDF: 22.1/16

Left Out: 842.484 $\pm$ 230.484 χ^2 /NDF:54.4/24

Right Out: -903.032 $\pm$ 590.474 χ^2 /NDF: 15.1/18

Left In: -298.801 $\pm$ 231.400 χ^2 /NDF:18.3/22

Left: 274.103 $\pm$ 163.300 χ^2 /NDF: 84.9/47

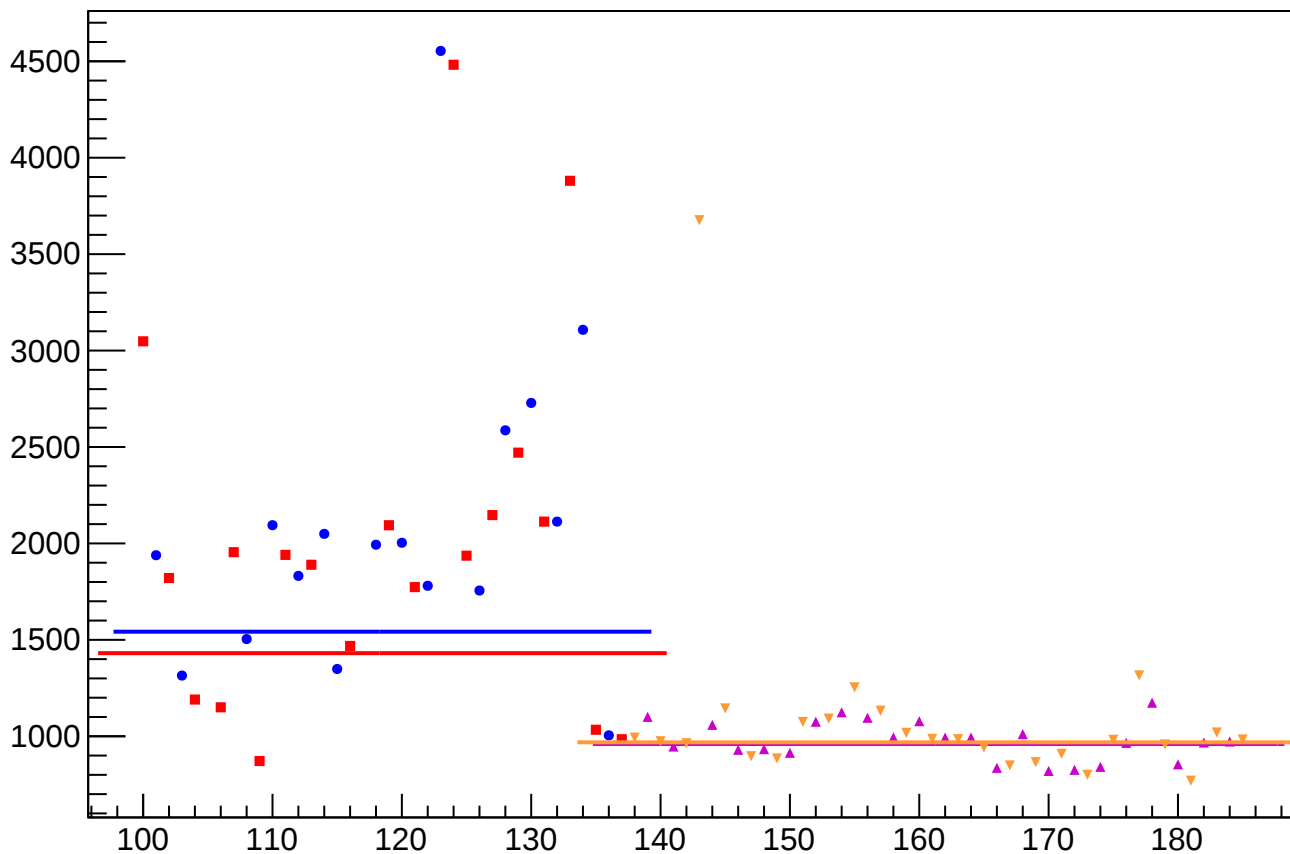
Right: -88.733 $\pm$ 431.710 χ^2 /NDF: 41.4/35

In: -163.717 $\pm$ 217.324 χ^2 /NDF:43.3/39

Out: 611.695 $\pm$ 214.707 χ^2 /NDF:77.1/43

All: 228.686 $\pm$ 152.738 χ^2 /NDF: 126.9/83

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.291+/-0.447 χ^2/NDF : 1293220.0/16

Left Out: 968.670+/-0.163 χ^2/NDF : 1393552.4/24

Right Out: 1430.966+/-0.418 χ^2/NDF : 1823025.4/18

Left In: 959.805+/-0.164 χ^2/NDF : 371210.5/22

Left: 964.255+/-0.115 χ^2/NDF : 1766236.6/47

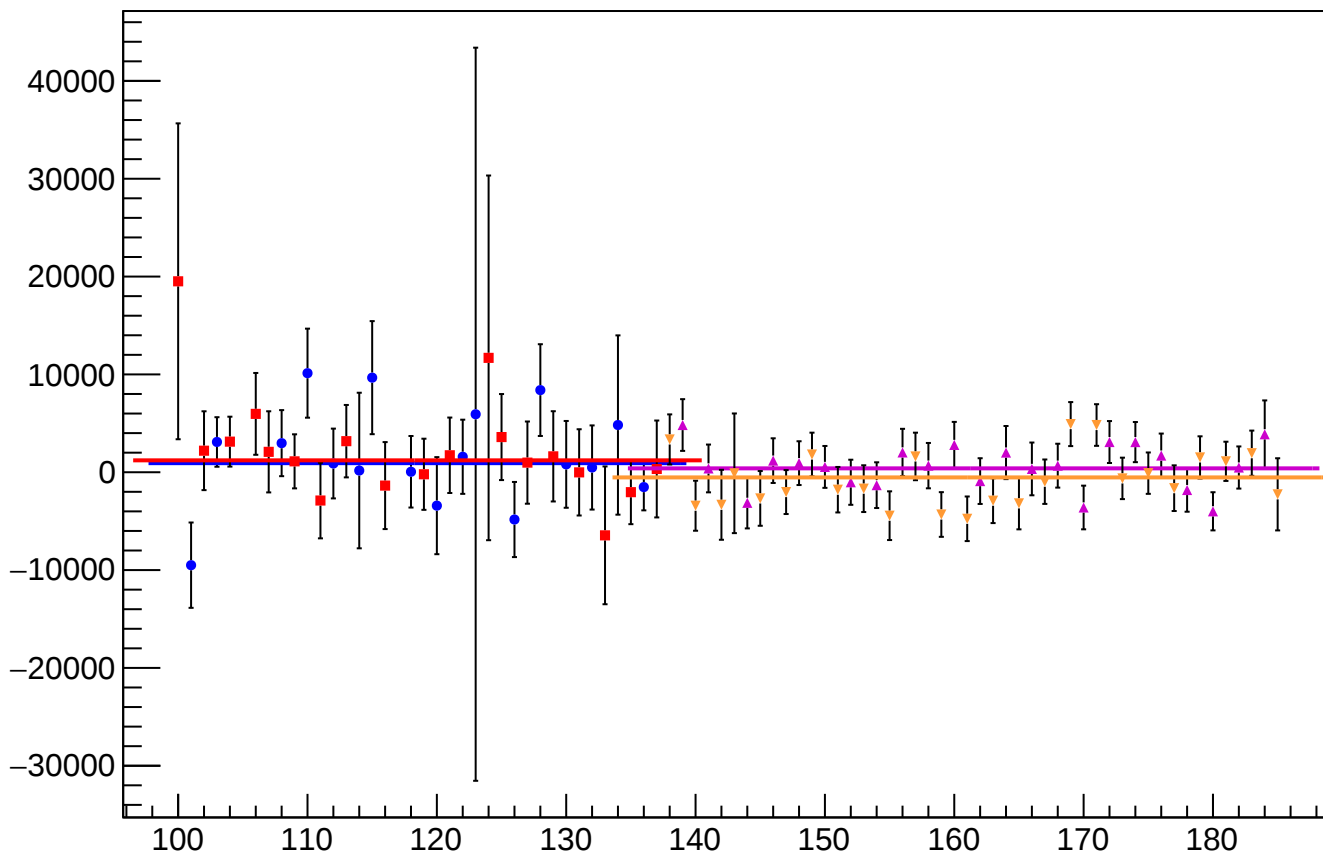
Right: 1482.783+/-0.305 χ^2/NDF : 3149335.4/35

In: 1028.511+/-0.154 χ^2/NDF : 3159246.6/39

Out: 1029.794+/-0.152 χ^2/NDF : 4280421.3/43

All: 1029.160+/-0.108 χ^2/NDF : 7439703.2/83

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 928.405 ± 970.555 χ^2/NDF : 20.1/16

Left Out: -528.331 ± 481.551 χ^2/NDF : 33.8/24

Right Out: 1216.382 ± 927.249 χ^2/NDF : 8.1/18

Left In: 397.398 ± 485.048 χ^2/NDF : 21.8/22

Left: -68.815 ± 341.738 χ^2/NDF : 57.5/47

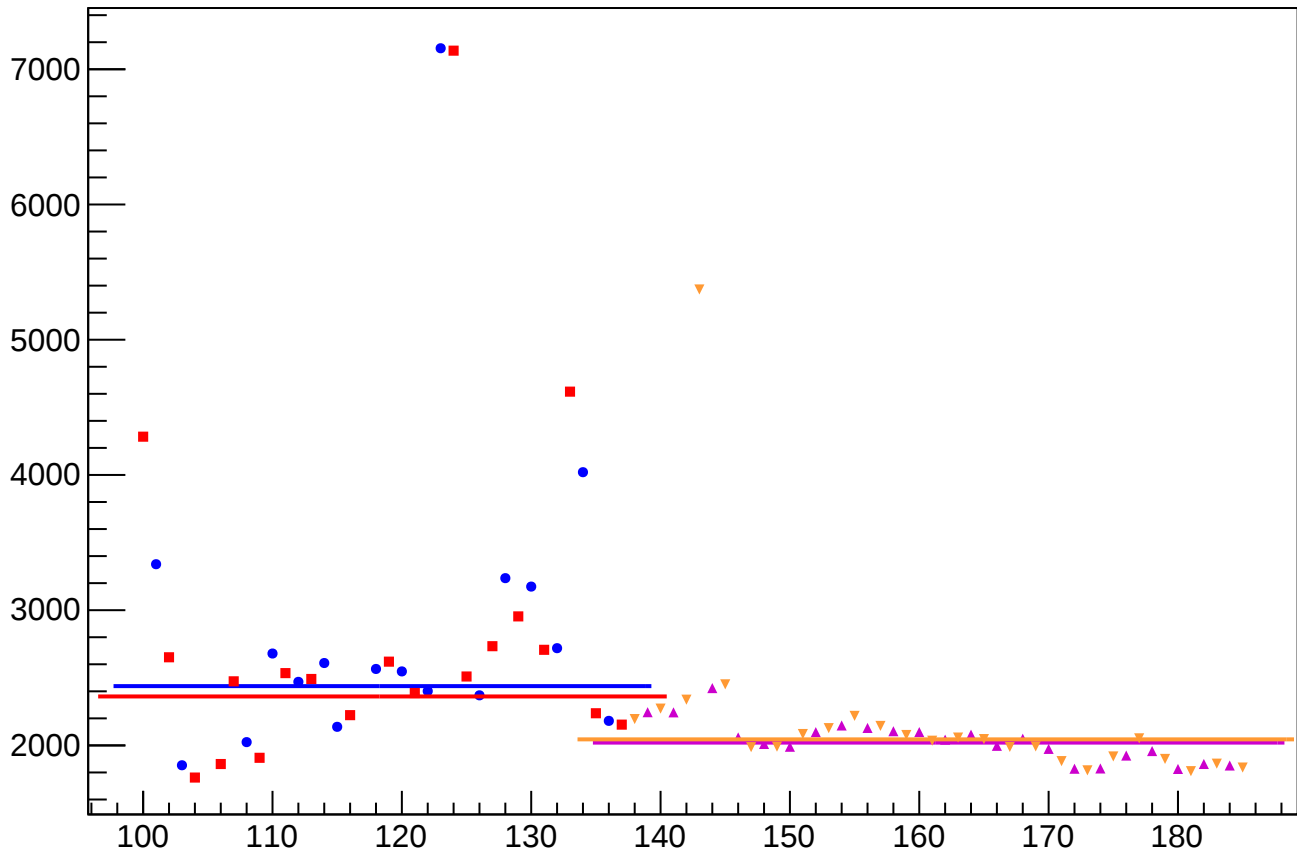
Right: 1078.961 ± 670.451 χ^2/NDF : 28.2/35

In: 503.519 ± 433.881 χ^2/NDF : 42.2/39

Out: -157.725 ± 427.357 χ^2/NDF : 44.7/43

All: 167.889 ± 304.467 χ^2/NDF : 88.0/83

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2438.478 $\pm$ 0.686 χ^2/NDF : 474942.5/16

Left Out: 2044.738 $\pm$ 0.341 χ^2/NDF : 788731.1/24

Right Out: 2362.082 $\pm$ 0.656 χ^2/NDF : 657383.2/18

Left In: 2020.802 $\pm$ 0.343 χ^2/NDF : 173502.0/22

Left: 2032.856 $\pm$ 0.242 χ^2/NDF : 964686.0/47

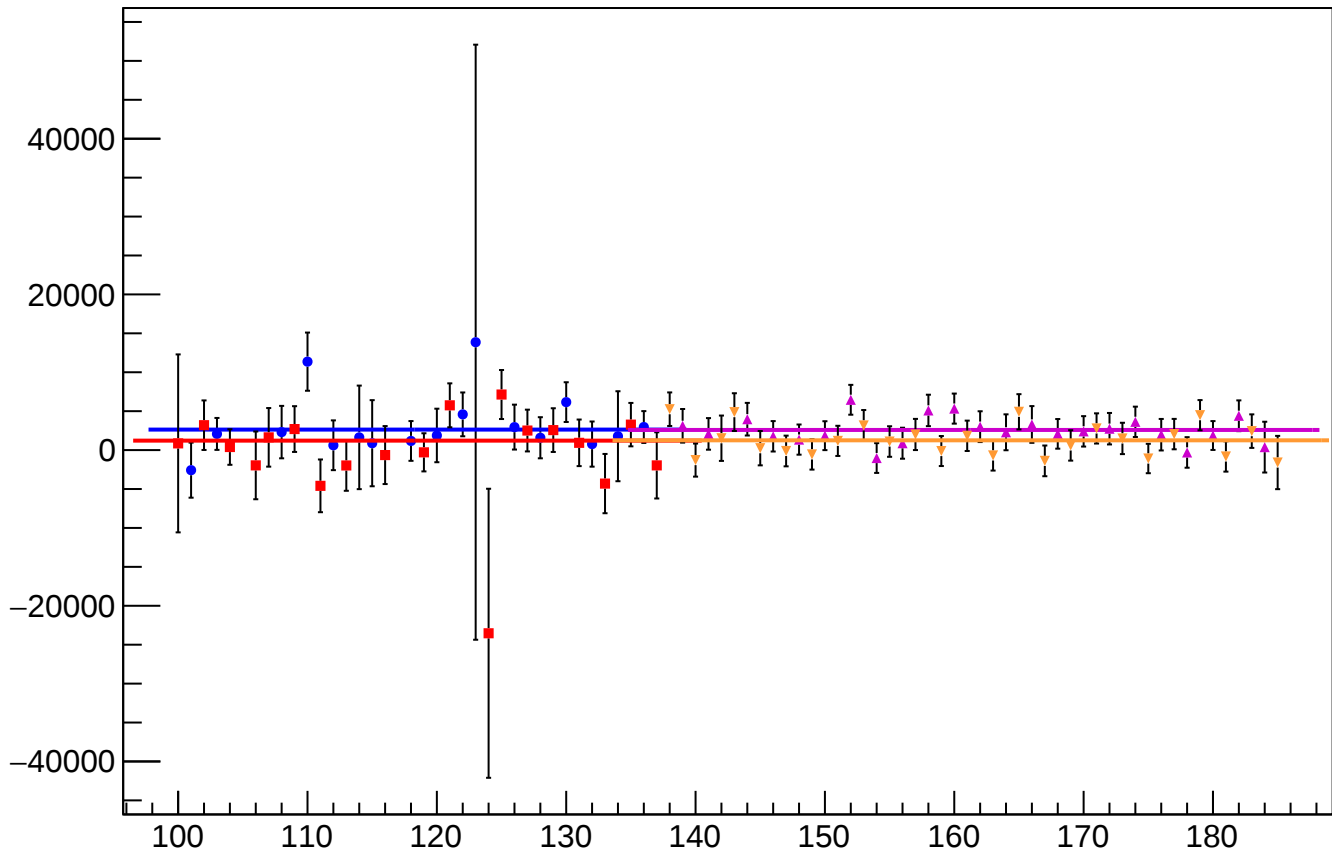
Right: 2398.537 $\pm$ 0.474 χ^2/NDF : 1138804.2/35

In: 2104.274 $\pm$ 0.307 χ^2/NDF : 944820.8/39

Out: 2112.147 $\pm$ 0.302 χ^2/NDF : 1630614.6/43

All: 2108.270 $\pm$ 0.215 χ^2/NDF : 2575769.7/83

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2633.941+/-745.154 χ^2/NDF : 11.7/16

Left Out: 1255.397+/-412.539 χ^2/NDF : 23.1/24

Right Out: 1215.611+/-741.742 χ^2/NDF : 17.4/18

Left In: 2586.937+/-421.510 χ^2/NDF : 17.5/22

Left: 1906.847+/-294.830 χ^2/NDF : 45.6/47

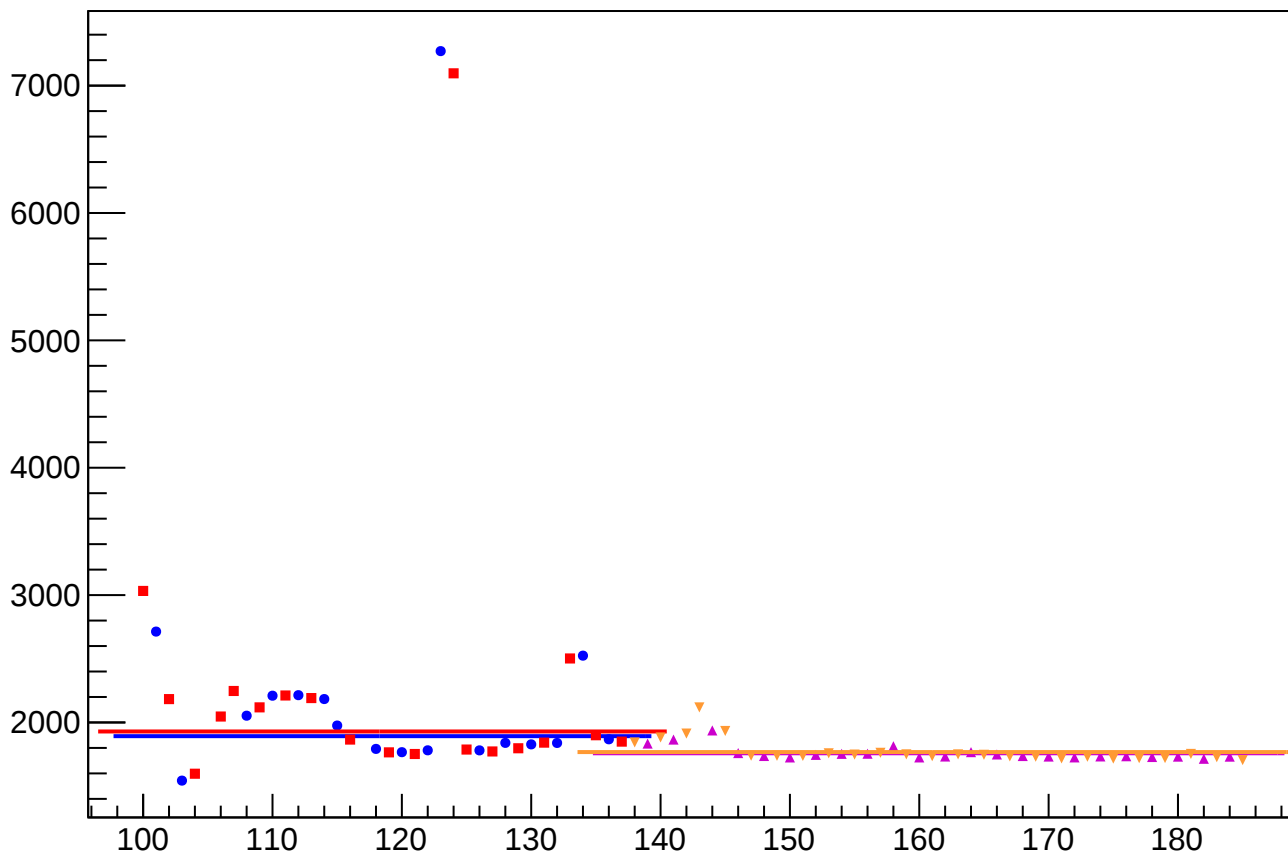
Right: 1921.521+/-525.693 χ^2/NDF : 31.0/35

In: 2598.332+/-366.880 χ^2/NDF : 29.2/39

Out: 1245.997+/-360.529 χ^2/NDF : 40.5/43

All: 1910.358+/-257.149 χ^2/NDF : 76.6/83

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1892.368+/-0.527 χ^2/NDF : 287730.3/16

Left Out: 1767.524+/-0.292 χ^2/NDF : 77673.0/24

Right Out: 1929.250+/-0.524 χ^2/NDF : 360280.1/18

Left In: 1758.076+/-0.298 χ^2/NDF : 29806.0/22

Left: 1762.902+/-0.208 χ^2/NDF : 107992.2/47

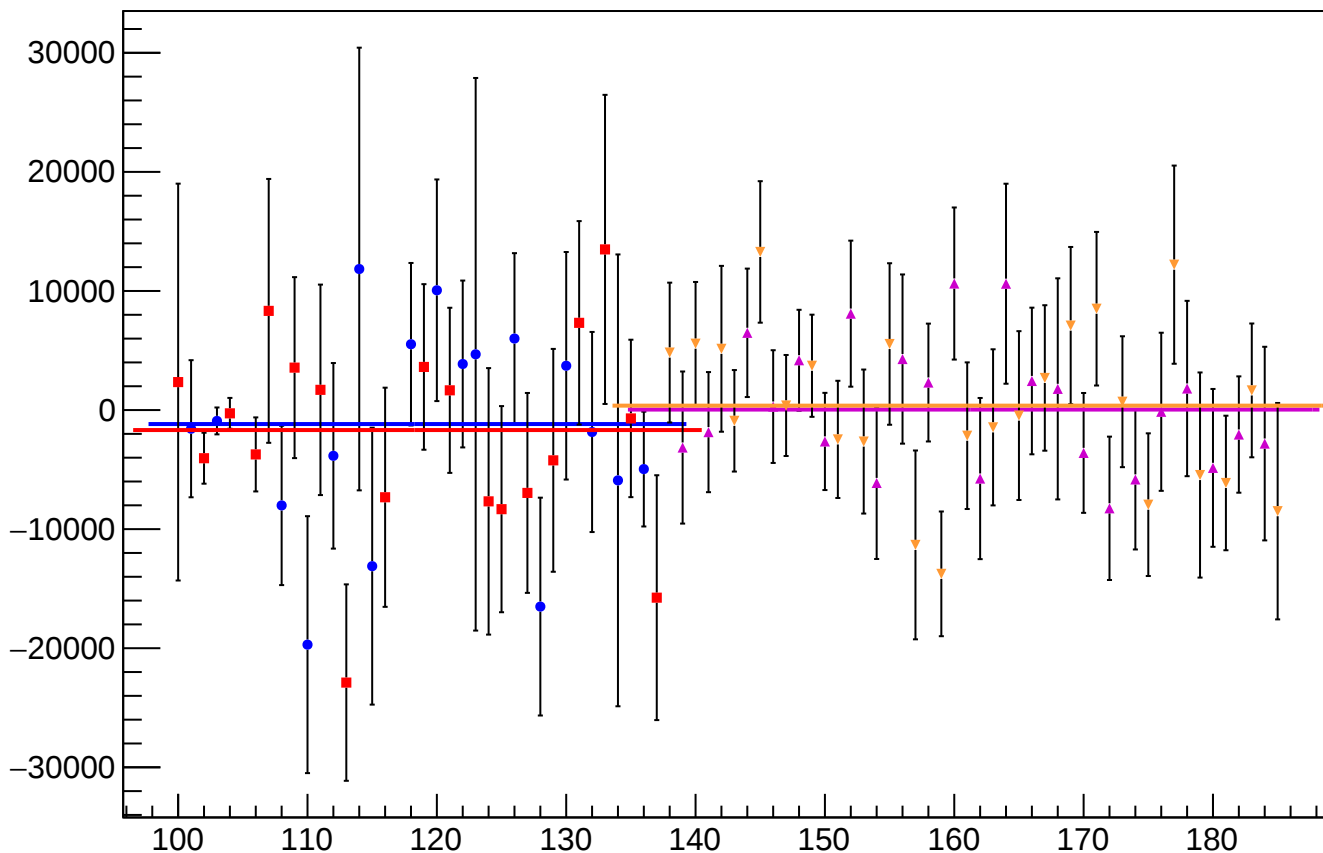
Right: 1910.923+/-0.371 χ^2/NDF : 650475.3/35

In: 1790.630+/-0.259 χ^2/NDF : 366748.4/39

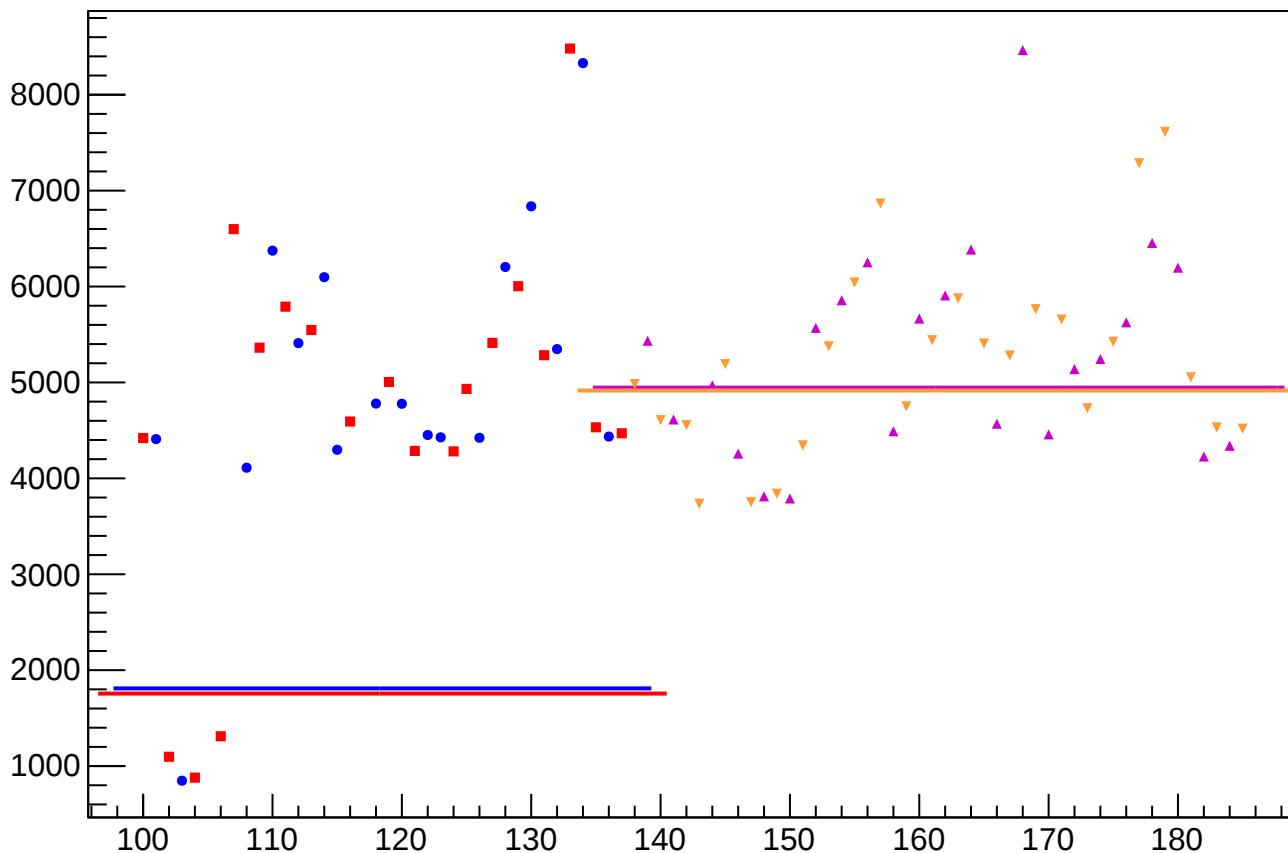
Out: 1805.824+/-0.255 χ^2/NDF : 510745.4/43

All: 1798.363+/-0.182 χ^2/NDF : 879239.5/83

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1810.087 $\pm$ 0.697 χ^2 /NDF: 6438570.3/16

Left Out: 4915.769 $\pm$ 0.827 χ^2 /NDF:1186634.5/24

Right Out: 1756.198 $\pm$ 0.666 χ^2 /NDF: 6295444.5/18

Left In: 4945.817 $\pm$ 0.854 χ^2 /NDF:1188288.6/22

Left: 4930.322 $\pm$ 0.594 χ^2 /NDF: 2375561.8/47

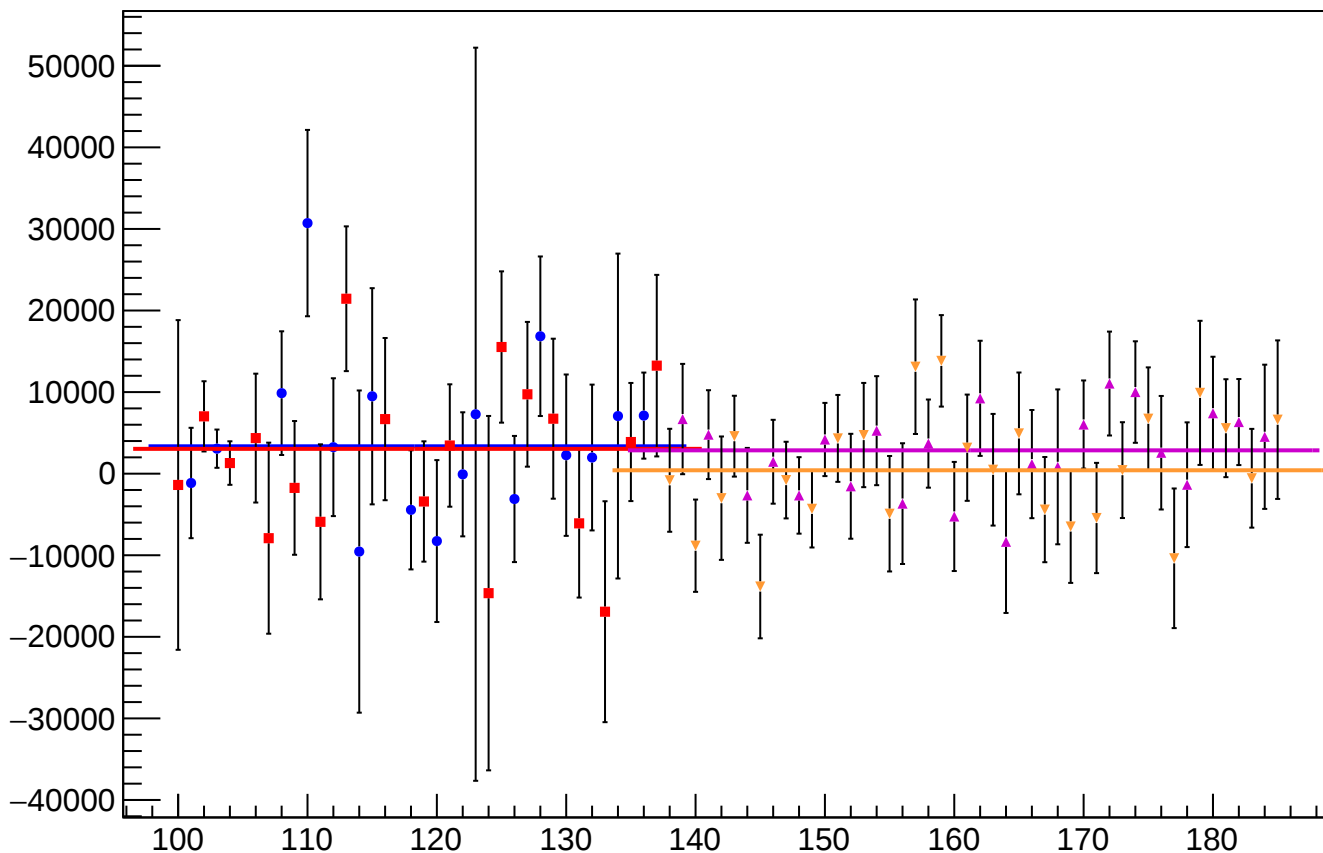
Right: 1781.935 $\pm$ 0.481 χ^2 /NDF: 12737140.4/35

In: 3063.376 $\pm$ 0.540 χ^2 /NDF:15723819.2/39

Out: 2998.681 $\pm$ 0.519 χ^2 /NDF:16329038.7/43

All: 3029.752 $\pm$ 0.374 χ^2 /NDF: 32060323.7/8

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3354.333 $\pm$ 1609.286 χ^2 /NDF: 13.5/16

Left Out: 415.471 $\pm$ 1258.419 χ^2 /NDF:27.1/24

Right Out: 3042.258 $\pm$ 1608.040 χ^2 /NDF: 15.9/18

Left In: 2860.252 $\pm$ 1292.328 χ^2 /NDF:12.9/22

Left: 1605.366 $\pm$ 901.586 χ^2 /NDF: 41.8/47

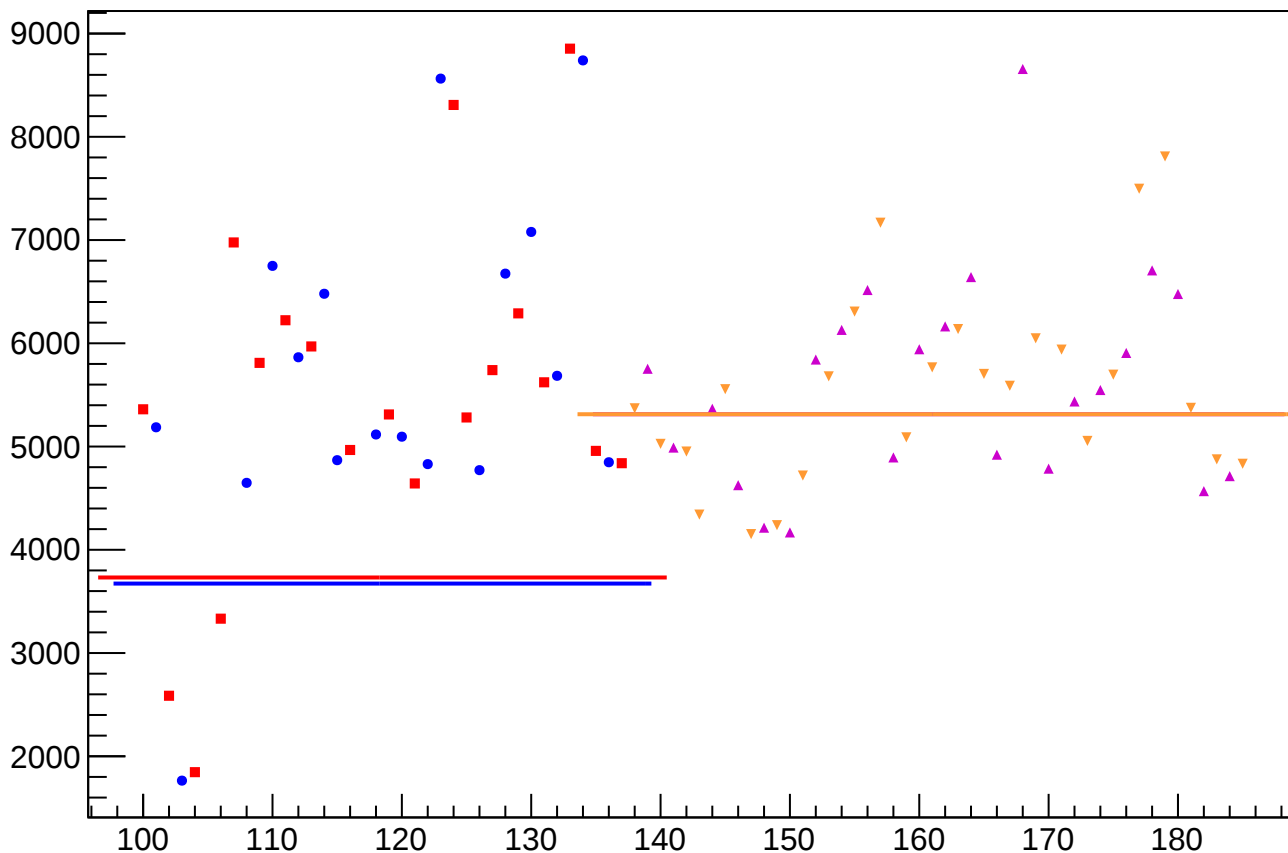
Right: 3198.175 $\pm$ 1137.496 χ^2 /NDF: 29.4/35

In: 3053.958 $\pm$ 1007.641 χ^2 /NDF:26.4/39

Out: 1413.172 $\pm$ 991.025 χ^2 /NDF:44.7/43

All: 2219.926 $\pm$ 706.562 χ^2 /NDF: 72.4/83

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3672.737 $\pm$ 1.138 χ^2 /NDF: 2780170.9/16

Left Out: 5312.936 $\pm$ 0.890 χ^2 /NDF: 894504.9/24

Right Out: 3731.692 $\pm$ 1.129 χ^2 /NDF: 2692478.3/18

Left In: 5312.861 $\pm$ 0.914 χ^2 /NDF: 957400.7/22

Left: 5312.899 $\pm$ 0.638 χ^2 /NDF: 1851905.6/47

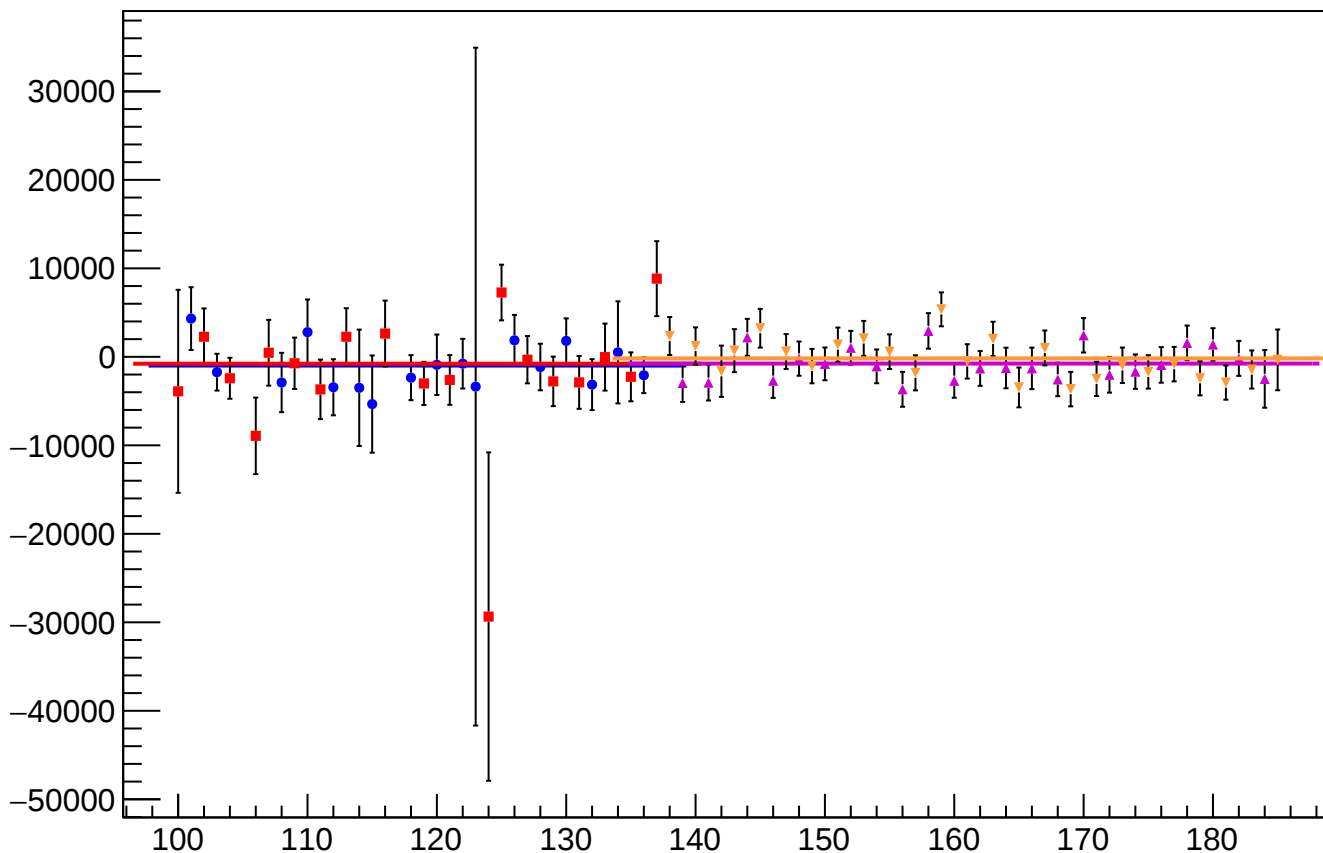
Right: 3702.434 $\pm$ 0.802 χ^2 /NDF: 5474001.3/35

In: 4669.845 $\pm$ 0.713 χ^2 /NDF: 5000511.6/39

Out: 4707.367 $\pm$ 0.699 χ^2 /NDF: 4796305.2/43

All: 4688.966 $\pm$ 0.499 χ^2 /NDF: 9798229.9/83

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -984.395+/-742.831 χ^2/NDF : 8.5/16

Left Out: -172.351+/-411.029 χ^2/NDF :29.1/24

Right Out: -778.348+/-739.635 χ^2/NDF : 24.3/18

Left In: -759.753+/-419.905 χ^2/NDF :20.3/22

Left: -459.778+/-293.729 χ^2/NDF : 50.4/47

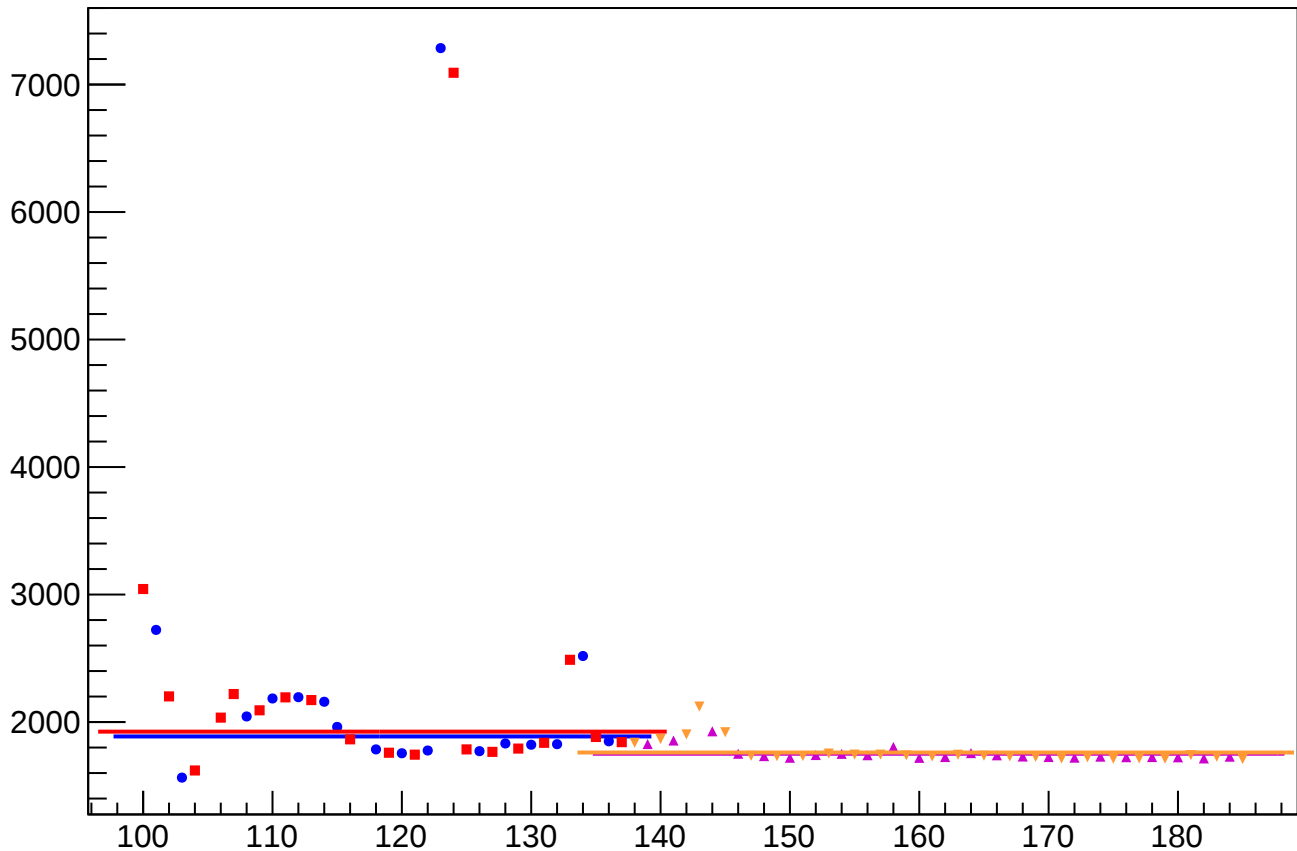
Right: -880.928+/-524.127 χ^2/NDF : 32.9/35

In: -814.152+/-365.544 χ^2/NDF :28.9/39

Out: -315.339+/-359.279 χ^2/NDF :54.0/43

All: -560.434+/-256.235 χ^2/NDF : 83.8/83

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1887.042 $\pm$ 0.525 χ^2 /NDF: 279163.5/16

Left Out: 1761.096 $\pm$ 0.291 χ^2 /NDF: 77467.4/24

Right Out: 1924.813 $\pm$ 0.522 χ^2 /NDF: 349556.4/18

Left In: 1751.418 $\pm$ 0.297 χ^2 /NDF: 28578.7/22

Left: 1756.360 $\pm$ 0.208 χ^2 /NDF: 106588.8/47

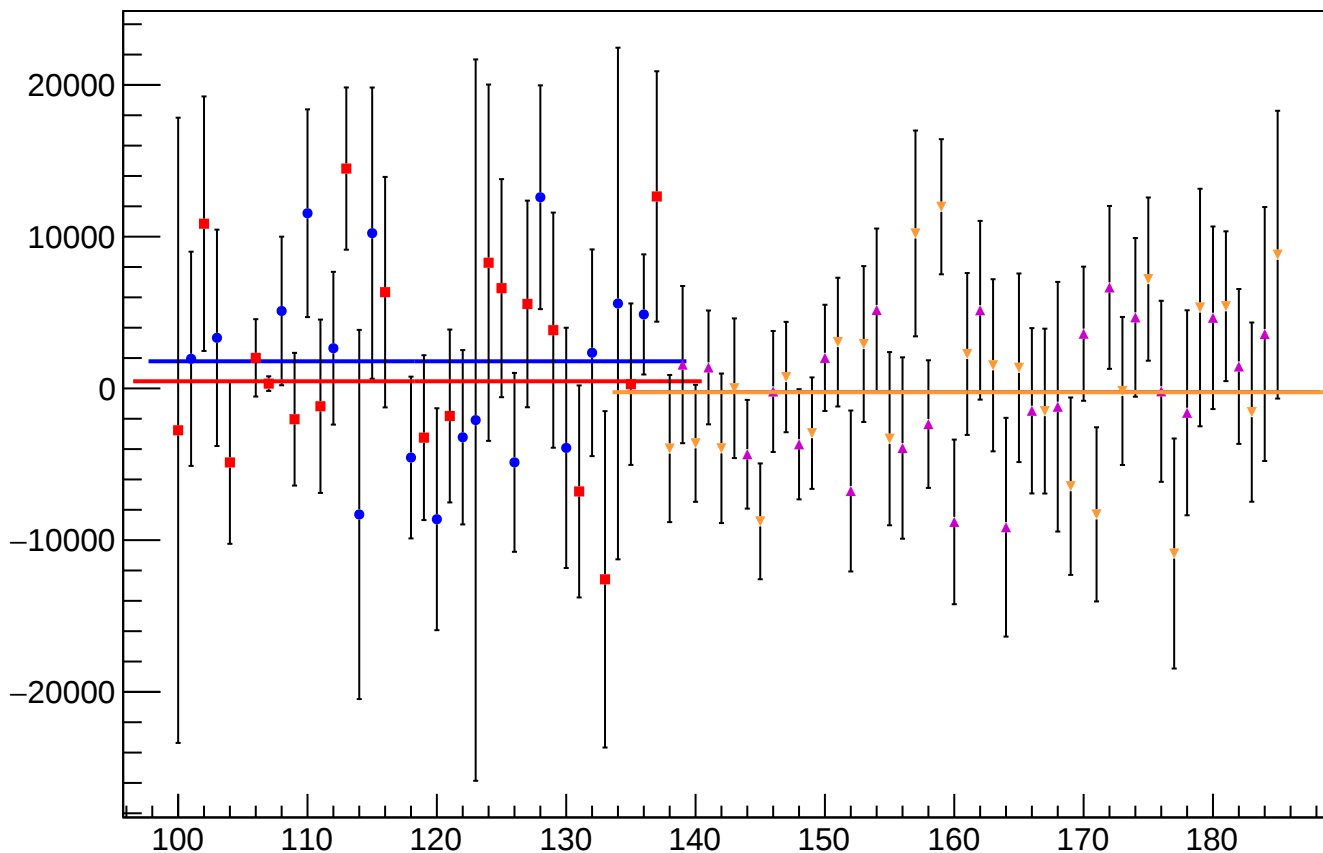
Right: 1906.038 $\pm$ 0.370 χ^2 /NDF: 631320.5/35

In: 1784.260 $\pm$ 0.258 χ^2 /NDF: 358266.7/39

Out: 1799.819 $\pm$ 0.254 χ^2 /NDF: 502071.9/43

All: 1792.177 $\pm$ 0.181 χ^2 /NDF: 862182.2/83

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1787.135+/-1585.326 χ^2/NDF : 12.9/16

Left Out: -249.465+/-1005.218 χ^2/NDF : 28.9/24

Right Out: 469.568+/-453.765 χ^2/NDF : 18.1/18

Left In: -239.224+/-1028.883 χ^2/NDF : 15.3/22

Left: -244.464+/-719.017 χ^2/NDF : 44.2/47

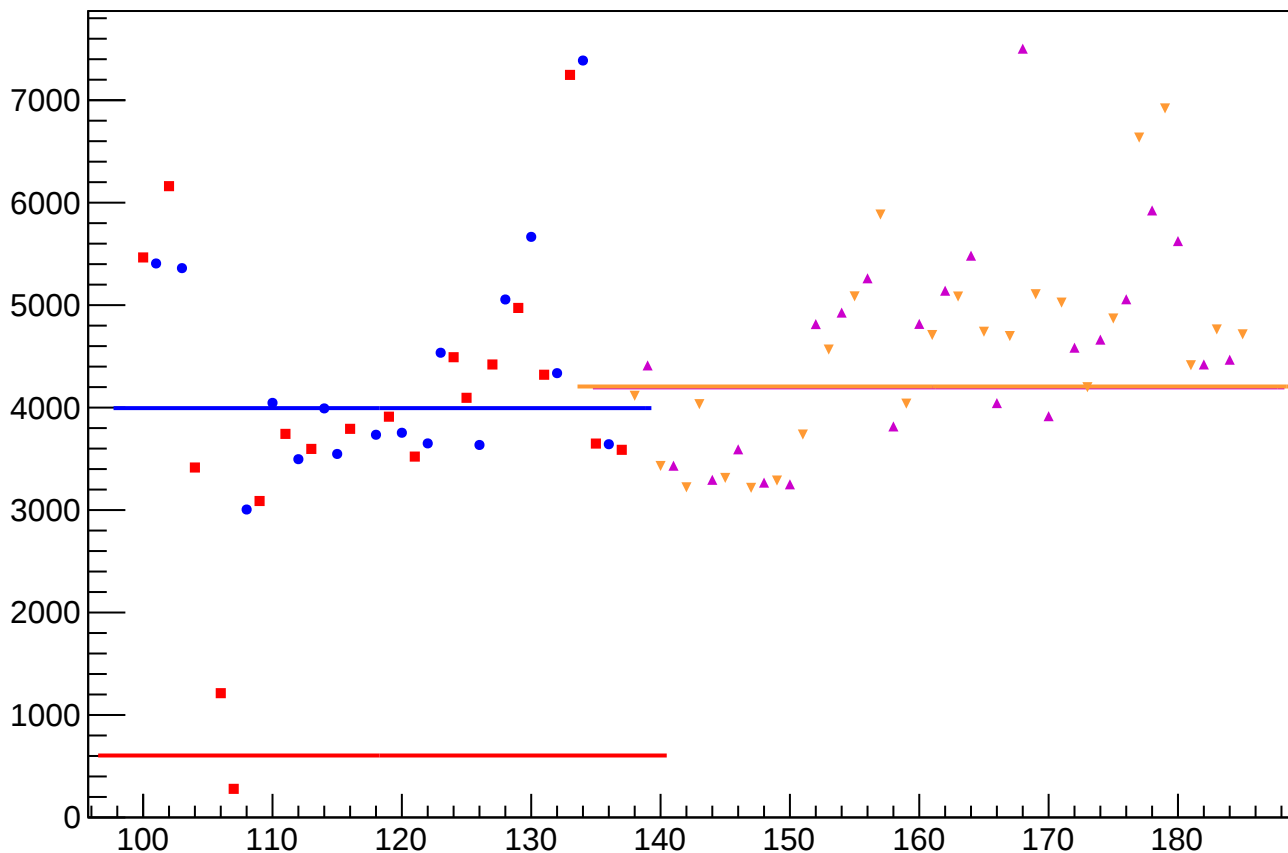
Right: 569.338+/-436.247 χ^2/NDF : 31.6/35

In: 361.333+/-863.053 χ^2/NDF : 29.3/39

Out: 347.852+/-413.580 χ^2/NDF : 47.4/43

All: 350.370+/-372.967 χ^2/NDF : 76.8/83

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3994.850+/-1.121 χ^2 /NDF: 514121.6/16

Left Out: 4205.867+/-0.711 χ^2 /NDF:1441898.3/24

Right Out: 604.597+/-0.321 χ^2 /NDF: 10213257.4/18

Left In: 4197.267+/-0.728 χ^2 /NDF:1471012.9/22

Left: 4201.667+/-0.508 χ^2 /NDF: 2912982.6/47

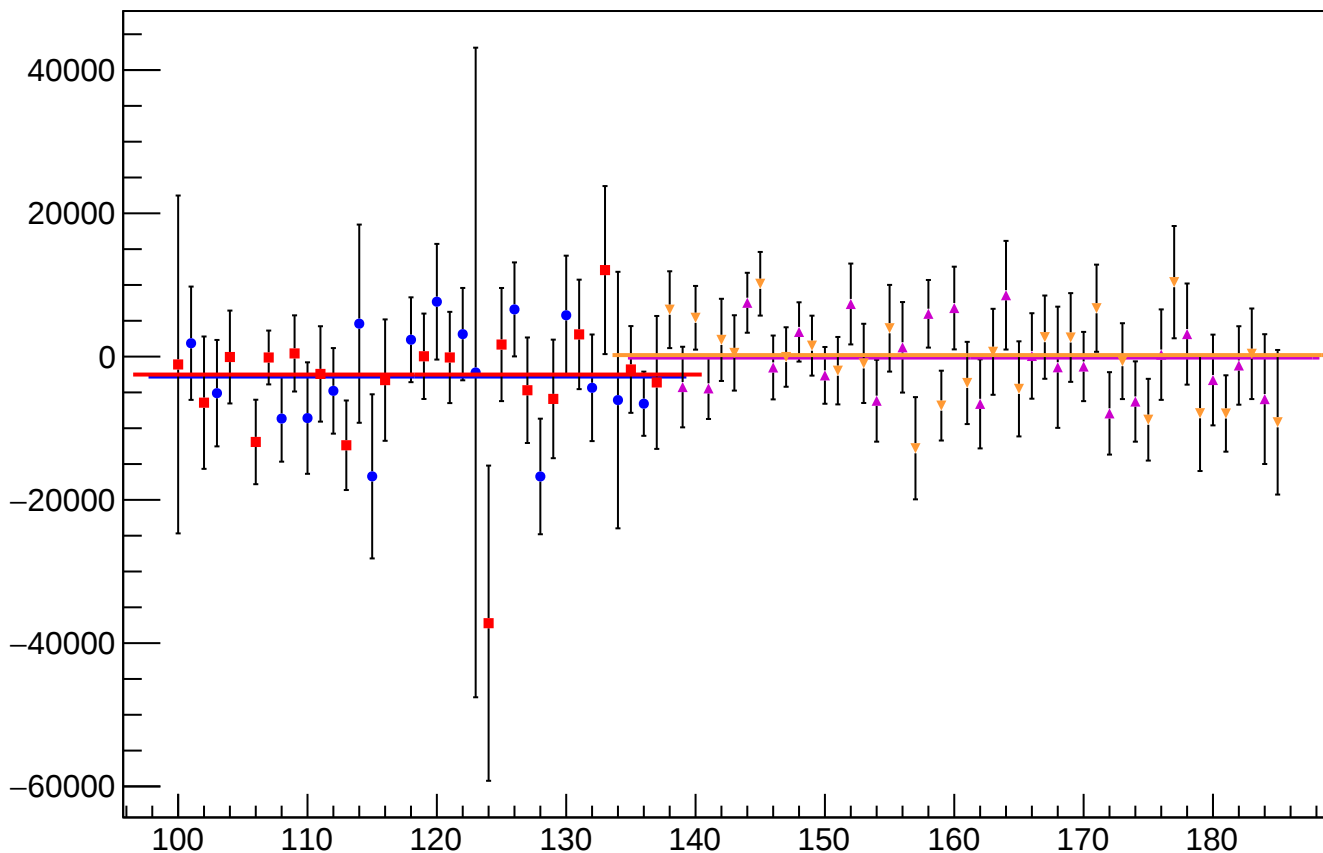
Right: 861.317+/-0.308 χ^2 /NDF: 19181318.3/35

In: 4137.277+/-0.610 χ^2 /NDF:2008076.4/39

Out: 1214.209+/-0.292 χ^2 /NDF:32979562.1/43

All: 1760.099+/-0.264 χ^2 /NDF: 53645227.0/8

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2785.964+/-1791.352 χ^2/NDF : 14.0/16

Left Out: 209.580+/-1106.942 χ^2/NDF : 25.0/24

Right Out: -2505.806+/-1577.964 χ^2/NDF : 11.5/18

Left In: -137.477+/-1129.656 χ^2/NDF : 18.6/22

Left: 39.575+/-790.634 χ^2/NDF : 43.6/47

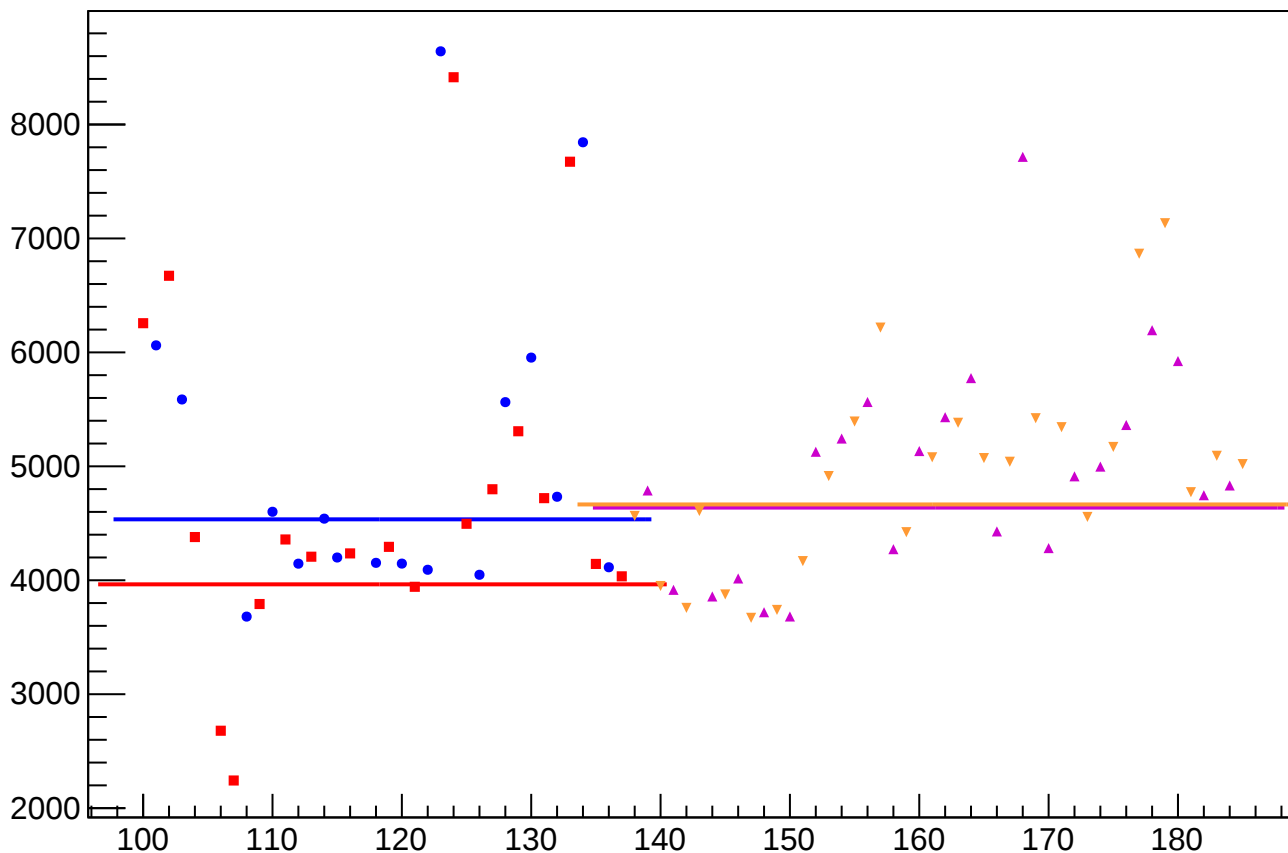
Right: -2628.213+/-1184.083 χ^2/NDF : 25.5/35

In: -891.043+/-955.527 χ^2/NDF : 34.1/39

Out: -685.967+/-906.203 χ^2/NDF : 38.5/43

All: -783.076+/-657.528 χ^2/NDF : 72.7/83

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4534.748 $\pm$ 1.267 χ^2/NDF : 393206.7/16

Left Out: 4665.421 $\pm$ 0.783 χ^2/NDF :1017005.3/24

Right Out: 3964.264 $\pm$ 1.109 χ^2/NDF : 1142035.1/18

Left In: 4637.777 $\pm$ 0.799 χ^2/NDF :1065217.2/22

Left: 4651.880 $\pm$ 0.559 χ^2/NDF : 2082833.5/47

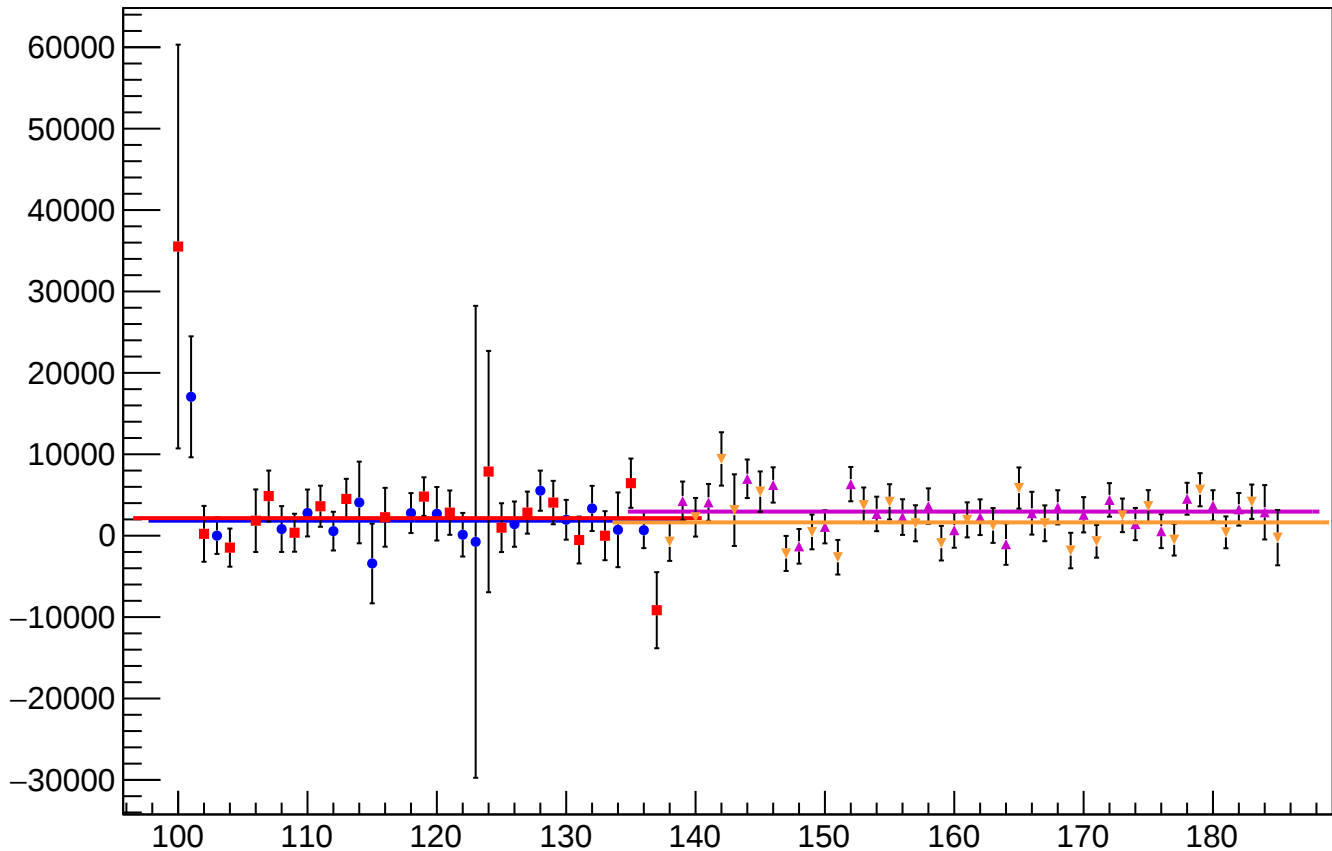
Right: 4211.715 $\pm$ 0.834 χ^2/NDF : 1650099.0/35

In: 4608.463 $\pm$ 0.676 χ^2/NDF :1463157.4/39

Out: 4432.177 $\pm$ 0.639 χ^2/NDF :2425975.1/43

All: 4515.466 $\pm$ 0.464 χ^2/NDF : 3925043.8/83

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1842.914+/-713.221 χ^2/NDF : 10.3/16

Left Out: 1635.024+/-447.133 χ^2/NDF : 35.6/24

Right Out: 2154.577+/-686.055 χ^2/NDF : 18.6/18

Left In: 2958.620+/-453.688 χ^2/NDF : 20.4/22

Left: 2287.191+/-318.463 χ^2/NDF : 60.3/47

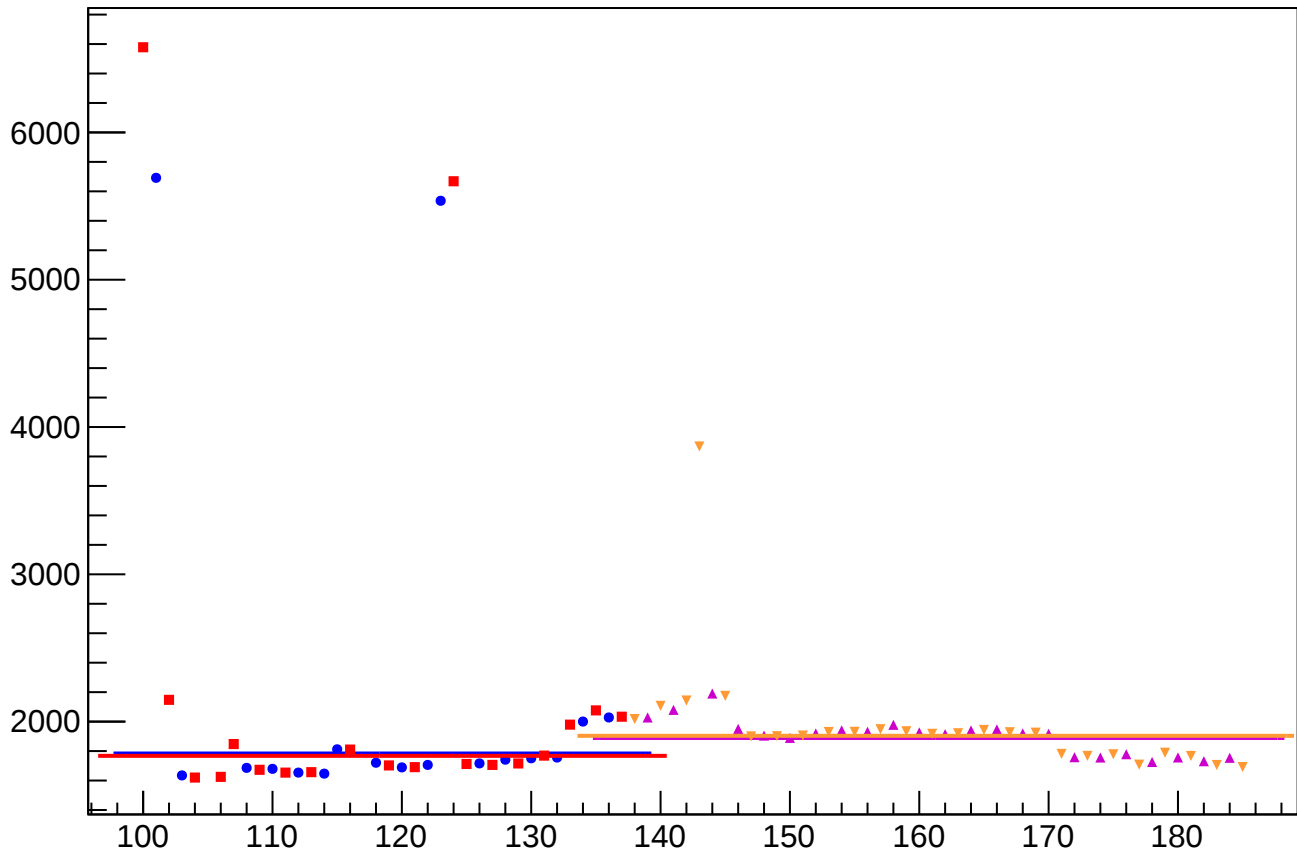
Right: 2004.794+/-494.439 χ^2/NDF : 28.9/35

In: 2637.216+/-382.803 χ^2/NDF : 32.4/39

Out: 1789.919+/-374.597 χ^2/NDF : 54.5/43

All: 2204.389+/-267.734 χ^2/NDF : 89.5/83

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1783.480+/-0.504 χ^2/NDF : 644626.7/16

Left Out: 1903.674+/-0.316 χ^2/NDF : 541477.8/24

Right Out: 1767.629+/-0.482 χ^2/NDF : 306027.2/18

Left In: 1888.927+/-0.321 χ^2/NDF : 126417.2/22

Left: 1896.408+/-0.225 χ^2/NDF : 668966.9/47

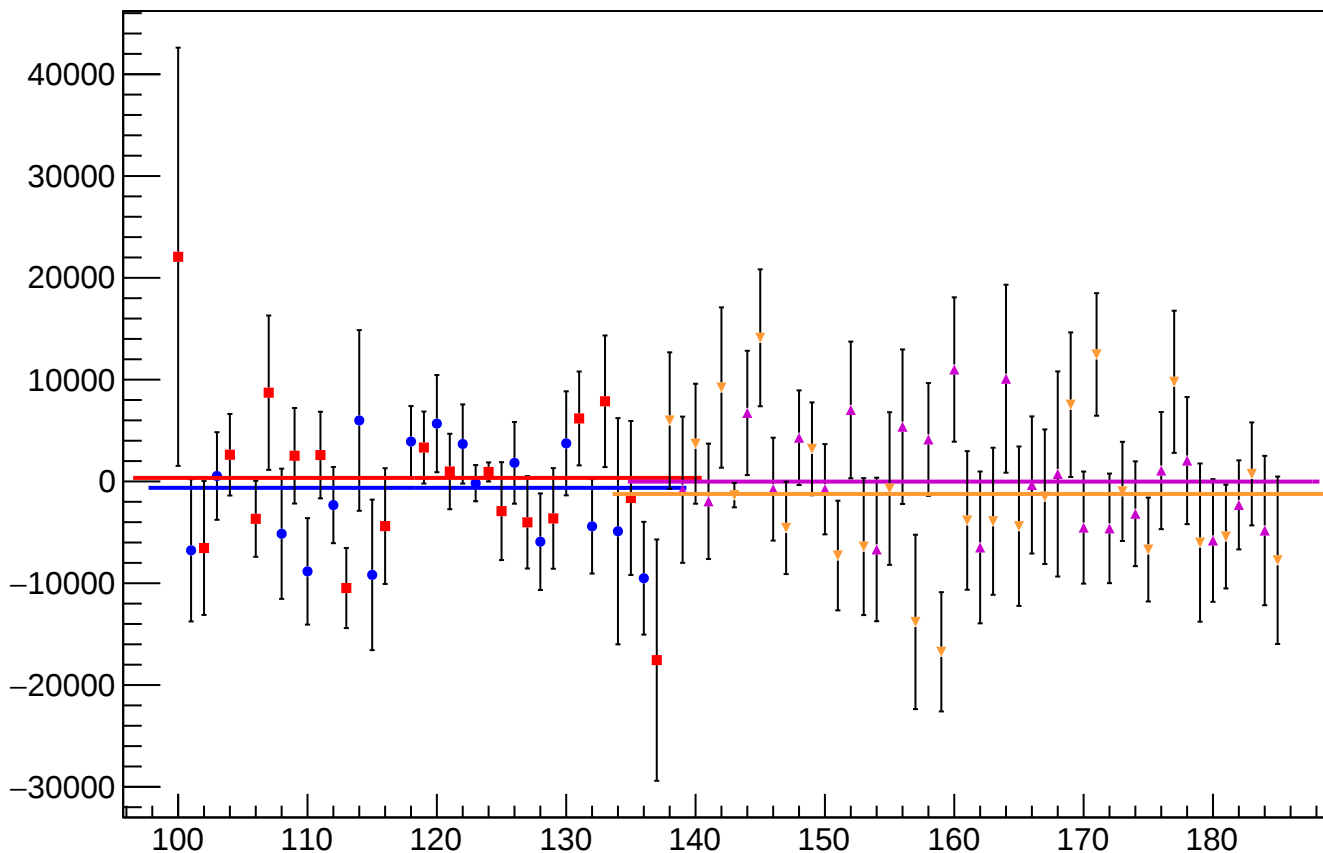
Right: 1775.193+/-0.348 χ^2/NDF : 951170.4/35

In: 1858.551+/-0.271 χ^2/NDF : 802166.9/39

Out: 1862.720+/-0.264 χ^2/NDF : 903240.0/43

All: 1860.685+/-0.189 χ^2/NDF : 1705528.4/83

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -628.255 $\pm$ 1010.986 χ^2/NDF : 16.4/16

Left Out: -1228.849 $\pm$ 865.268 χ^2/NDF : 34.0/24

Right Out: 347.826 $\pm$ 725.877 χ^2/NDF : 22.1/18

Left In: -15.863 $\pm$ 1243.317 χ^2/NDF : 13.2/22

Left: -833.060 $\pm$ 710.209 χ^2/NDF : 47.8/47

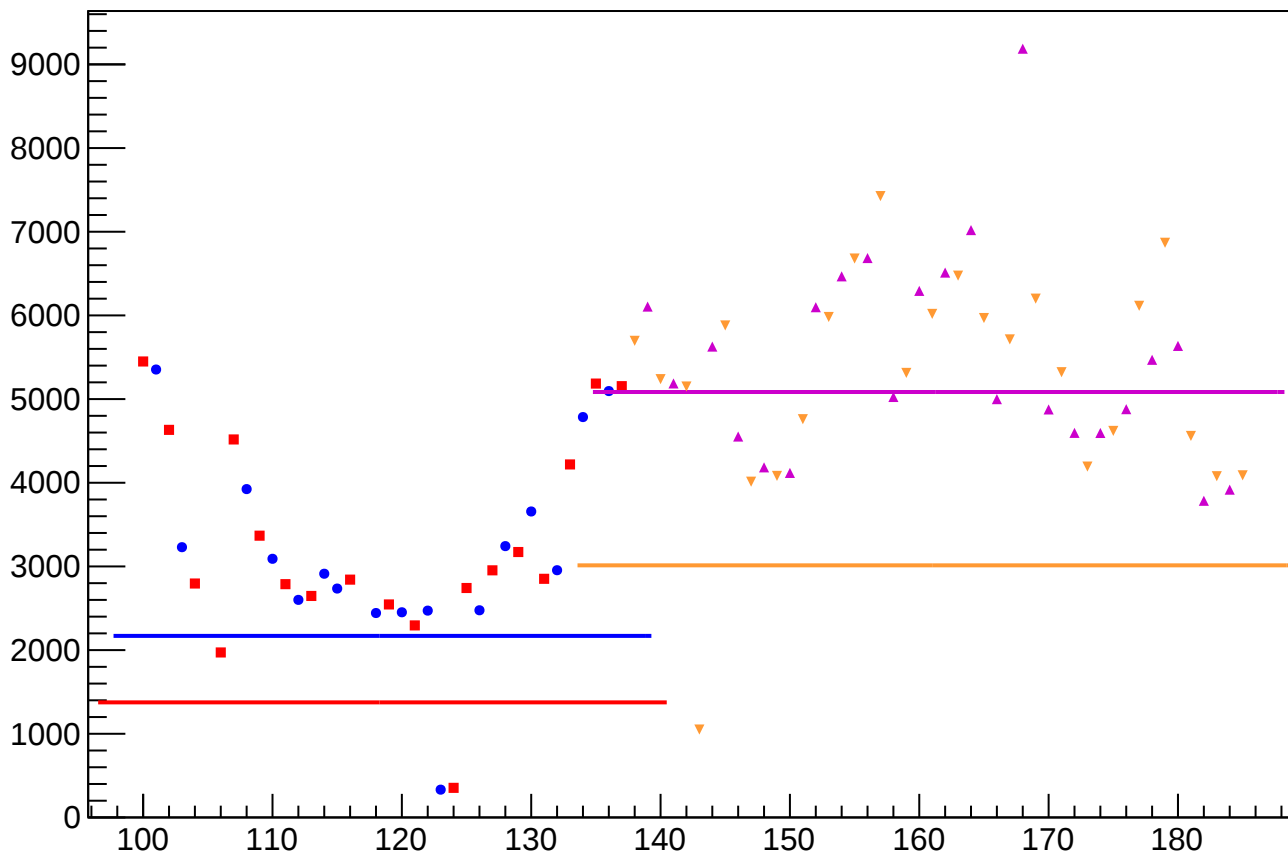
Right: 15.807 $\pm$ 589.636 χ^2/NDF : 39.1/35

In: -384.510 $\pm$ 784.396 χ^2/NDF : 29.8/39

Out: -303.440 $\pm$ 556.107 χ^2/NDF : 58.1/43

All: -330.558 $\pm$ 453.663 χ^2/NDF : 87.8/83

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2169.912 $\pm$ 0.715 χ^2 /NDF: 3978081.8/16

Left Out: 3013.001 $\pm$ 0.612 χ^2 /NDF: 12269694.9/24

Right Out: 1375.364 $\pm$ 0.513 χ^2 /NDF: 6838676.6/18

Left In: 5084.645 $\pm$ 0.879 χ^2 /NDF: 1303587.7/22

Left: 3688.964 $\pm$ 0.502 χ^2 /NDF: 17314105.5/47

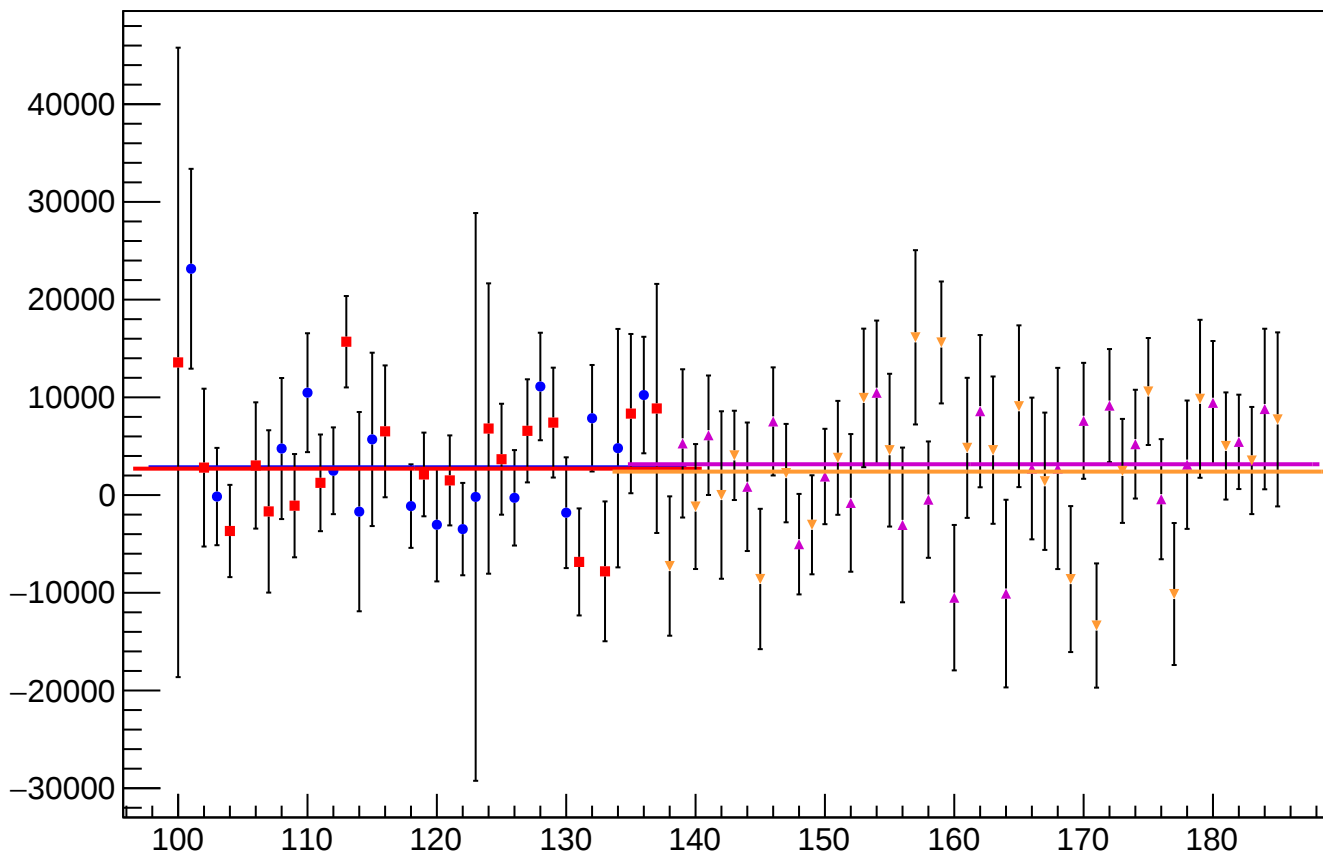
Right: 1645.633 $\pm$ 0.417 χ^2 /NDF: 11631878.4/35

In: 3330.040 $\pm$ 0.555 χ^2 /NDF: 11898413.0/39

Out: 2051.811 $\pm$ 0.393 χ^2 /NDF: 23313276.5/43

All: 2479.377 $\pm$ 0.321 χ^2 /NDF: 38746160.4/8

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2842.572+/-1452.178 χ^2/NDF : 15.7/16

Left Out: 2400.396+/-1286.674 χ^2/NDF : 29.9/24

Right Out: 2702.572+/-1382.936 χ^2/NDF : 18.2/18

Left In: 3153.449+/-1337.378 χ^2/NDF : 15.5/22

Left: 2762.377+/-927.223 χ^2/NDF : 45.5/47

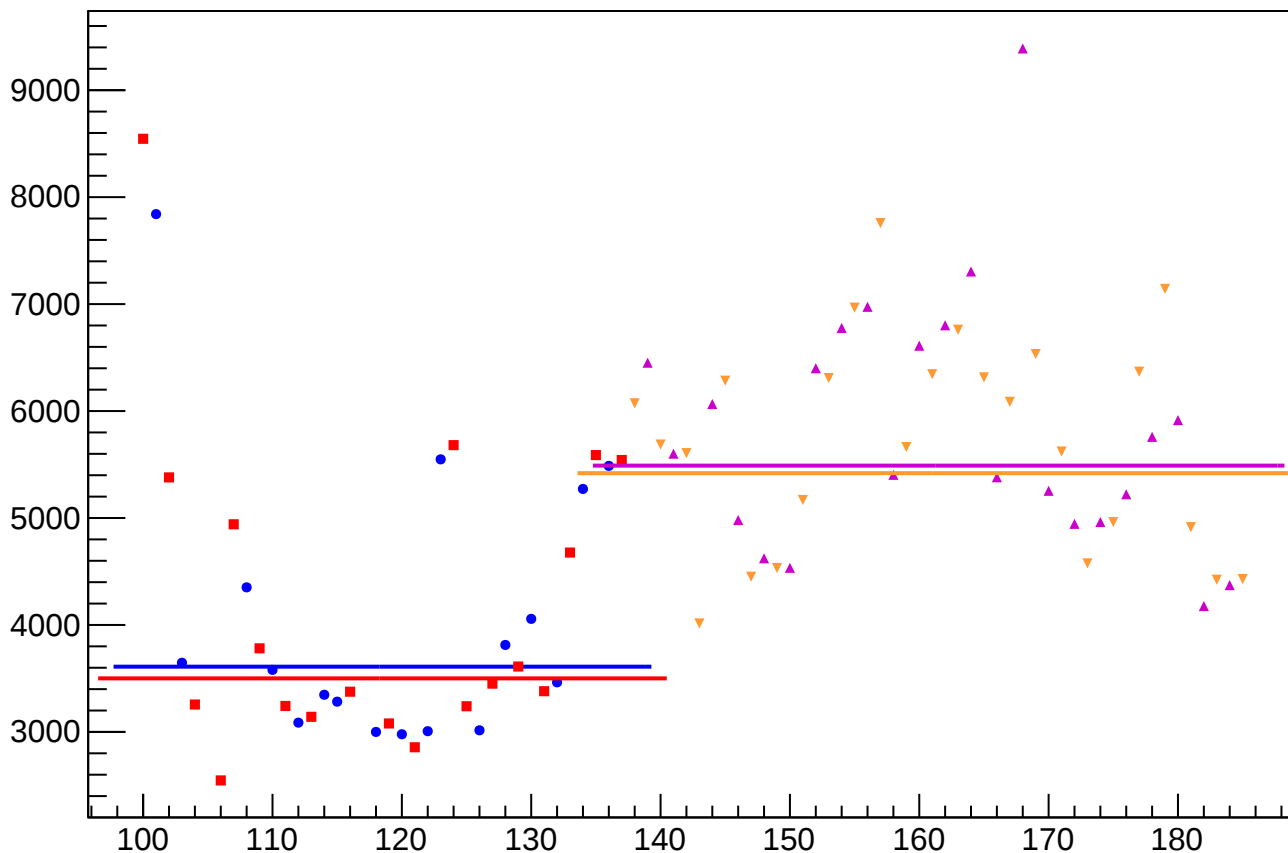
Right: 2769.155+/-1001.468 χ^2/NDF : 33.9/35

In: 3010.782+/-983.754 χ^2/NDF : 31.2/39

Out: 2540.602+/-942.010 χ^2/NDF : 48.1/43

All: 2765.505+/-680.381 χ^2/NDF : 79.4/83

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3610.008 $\pm$ 1.027 χ^2 /NDF: 783187.3/16

Left Out: 5419.411 $\pm$ 0.910 χ^2 /NDF:1110075.3/24

Right Out: 3500.718 $\pm$ 0.964 χ^2 /NDF: 661555.5/18

Left In: 5489.885 $\pm$ 0.946 χ^2 /NDF:1064353.3/22

Left: 5453.287 $\pm$ 0.656 χ^2 /NDF: 2177312.7/47

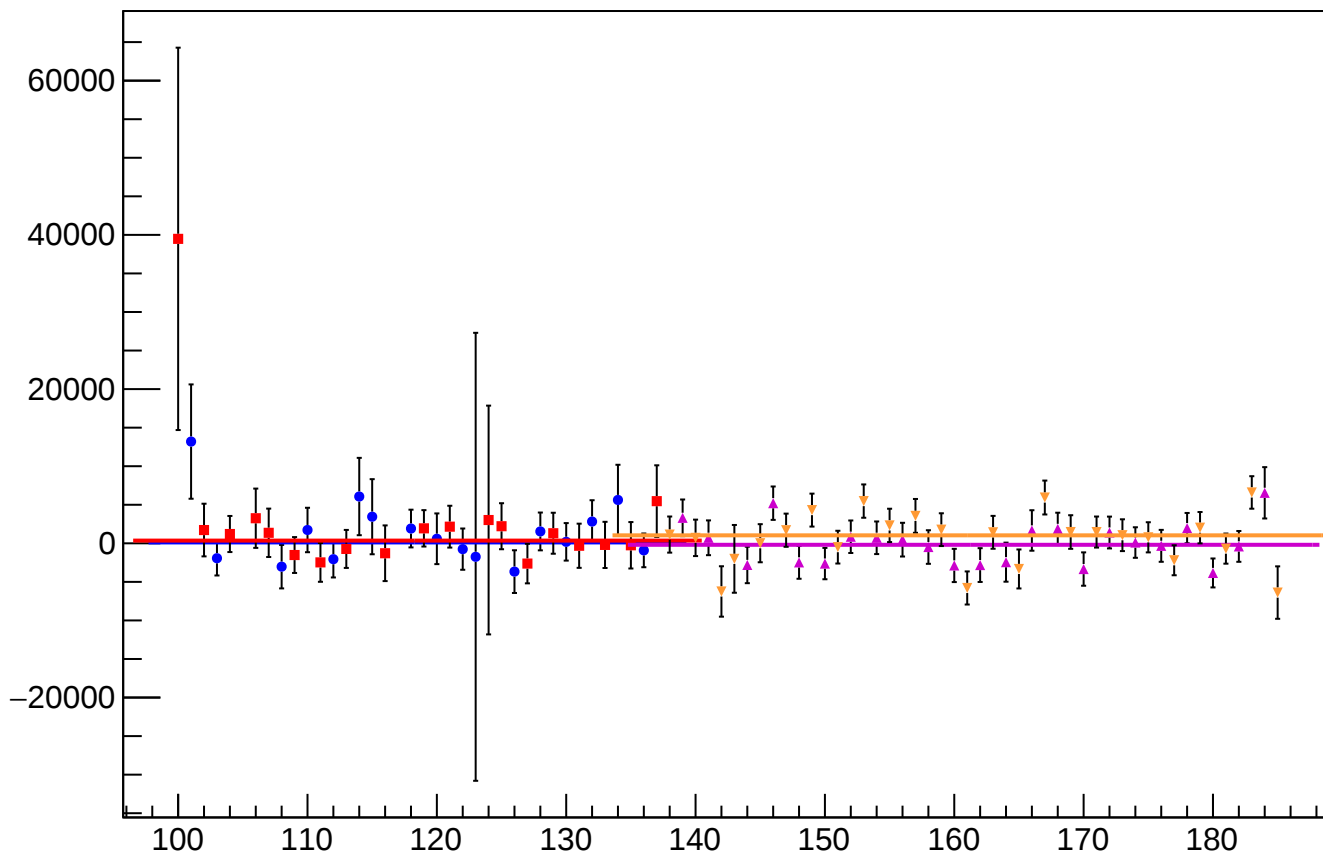
Right: 3551.929 $\pm$ 0.703 χ^2 /NDF: 1450762.7/35

In: 4627.173 $\pm$ 0.696 χ^2 /NDF:3661037.3/39

Out: 4515.717 $\pm$ 0.662 χ^2 /NDF:3866317.9/43

All: 4568.665 $\pm$ 0.479 χ^2 /NDF: 7540831.8/83

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 115.789+/-711.081 χ^2/NDF : 13.7/16

Left Out: 1036.120+/-446.320 χ^2/NDF : 48.3/24

Right Out: 353.491+/-683.689 χ^2/NDF : 9.9/18

Left In: -191.966+/-453.055 χ^2/NDF : 30.0/22

Left: 431.273+/-317.950 χ^2/NDF : 82.0/47

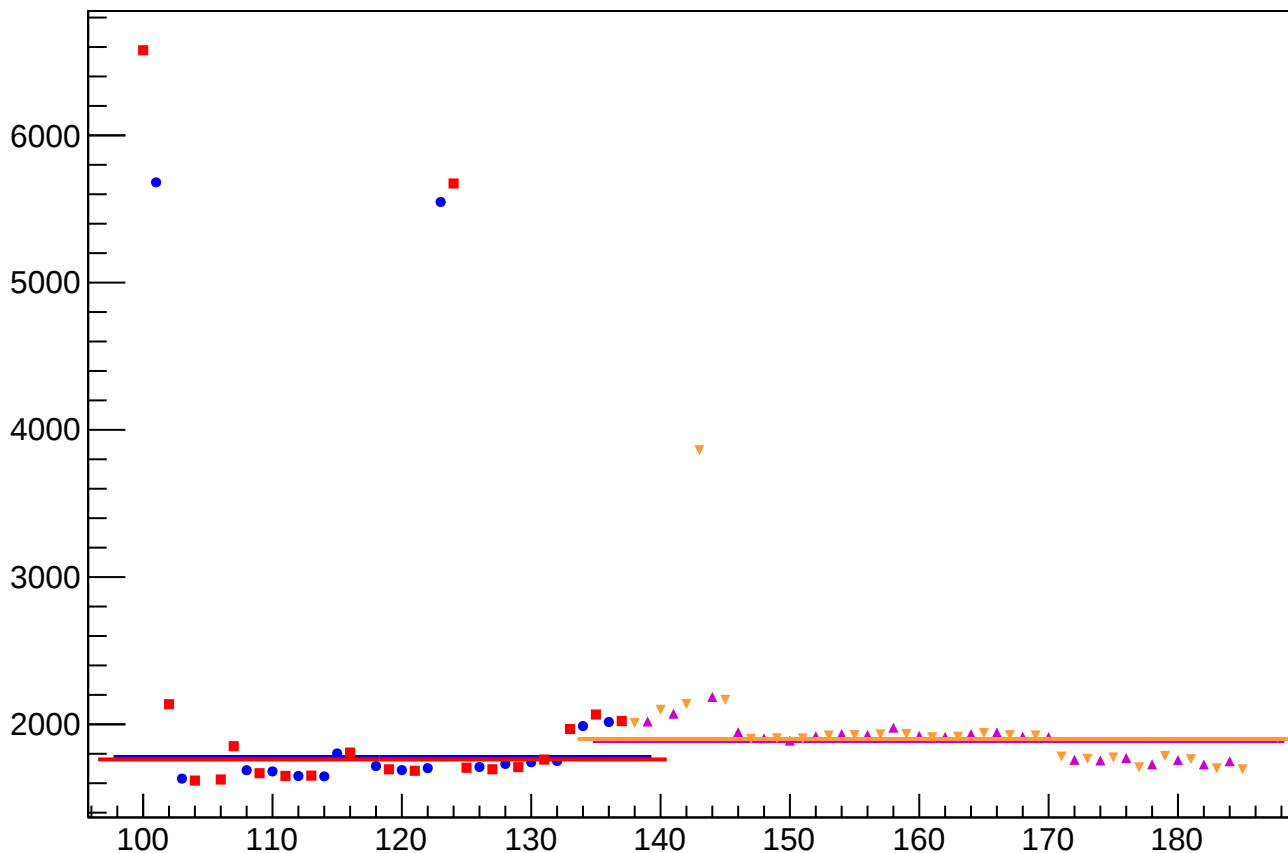
Right: 239.307+/-492.840 χ^2/NDF : 23.7/35

In: -103.107+/-382.091 χ^2/NDF : 43.9/39

Out: 832.138+/-373.733 χ^2/NDF : 58.9/43

All: 374.856+/-267.175 χ^2/NDF : 105.8/83

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1778.202 $\pm$ 0.503 χ^2 /NDF: 642982.9/16

Left Out: 1900.356 $\pm$ 0.316 χ^2 /NDF: 537771.5/24

Right Out: 1761.653 $\pm$ 0.480 χ^2 /NDF: 305365.0/18

Left In: 1886.378 $\pm$ 0.320 χ^2 /NDF: 123520.6/22

Left: 1893.472 $\pm$ 0.225 χ^2 /NDF: 662258.4/47

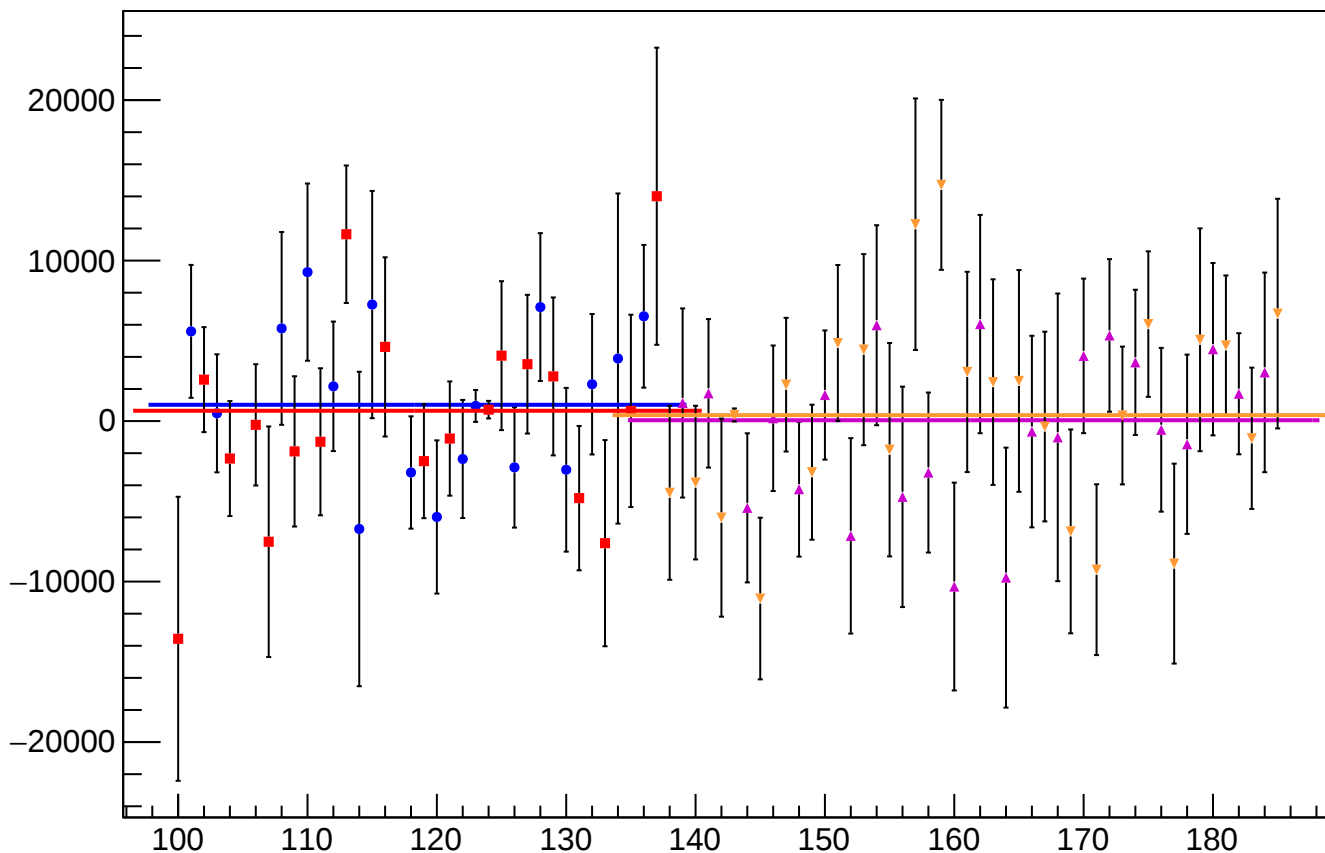
Right: 1769.546 $\pm$ 0.347 χ^2 /NDF: 948914.5/35

In: 1855.144 $\pm$ 0.270 χ^2 /NDF: 799425.3/39

Out: 1858.510 $\pm$ 0.264 χ^2 /NDF: 901412.2/43

All: 1856.867 $\pm$ 0.189 χ^2 /NDF: 1700917.1/83

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1015.864+/-753.323 χ^2/NDF : 15.2/16

Left Out: 370.621+/-382.079 χ^2/NDF : 30.9/24

Right Out: 643.706+/-488.275 χ^2/NDF : 20.0/18

Left In: 53.099+/-1089.888 χ^2/NDF : 14.5/22

Left: 335.869+/-360.564 χ^2/NDF : 45.5/47

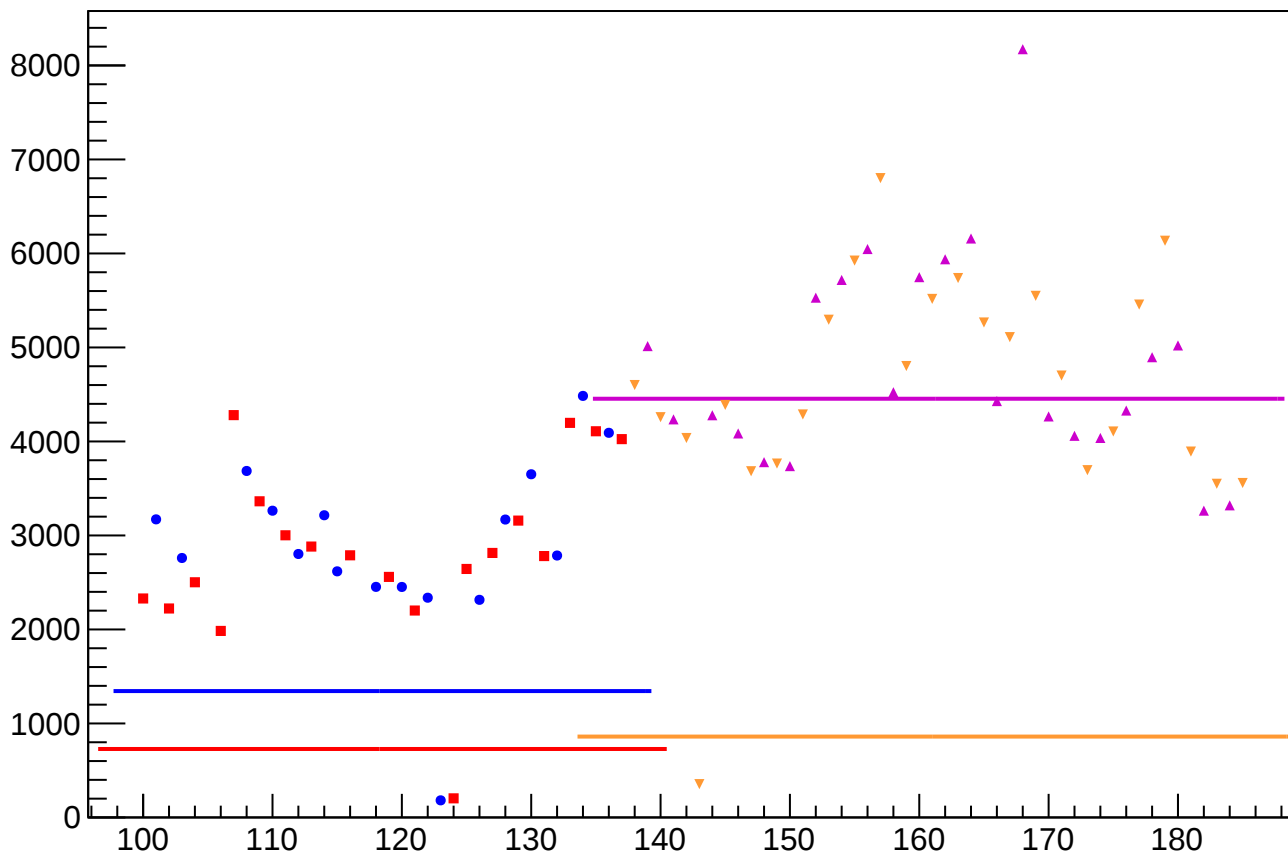
Right: 753.802+/-409.735 χ^2/NDF : 35.3/35

In: 704.607+/-619.699 χ^2/NDF : 30.3/39

Out: 474.332+/-300.904 χ^2/NDF : 51.0/43

All: 518.266+/-270.681 χ^2/NDF : 81.4/83

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1344.476 $\pm$ 0.533 χ^2 /NDF: 6835525.9/16

Left Out: 860.417 $\pm$ 0.270 χ^2 /NDF: 26334477.8/24

Right Out: 728.423 $\pm$ 0.345 χ^2 /NDF: 9480438.9/18

Left In: 4454.402 $\pm$ 0.771 χ^2 /NDF: 1349758.1/22

Left: 1253.766 $\pm$ 0.255 χ^2 /NDF: 47051975.3/47

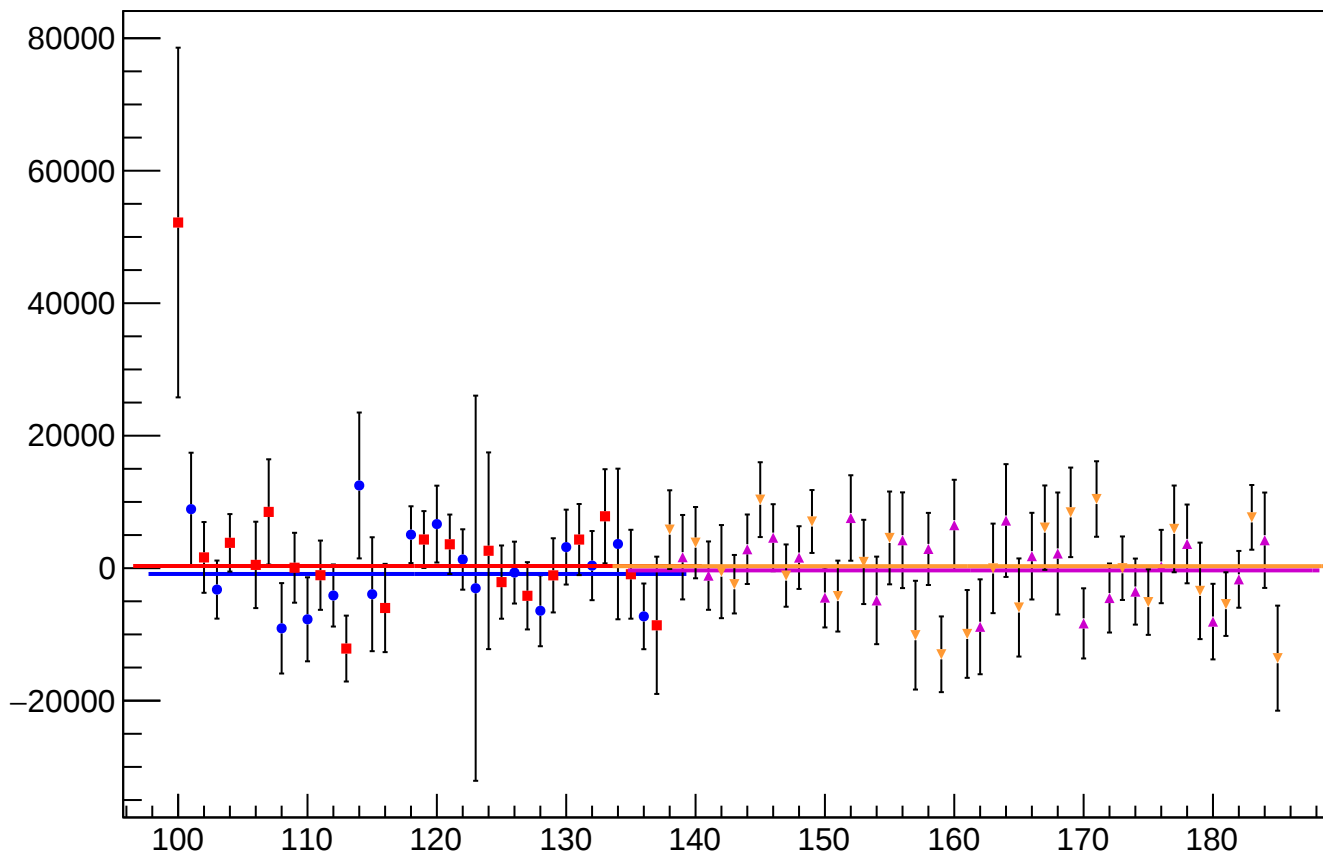
Right: 910.670 $\pm$ 0.290 χ^2 /NDF: 17257813.4/35

In: 2349.899 $\pm$ 0.438 χ^2 /NDF: 19204891.0/39

Out: 810.289 $\pm$ 0.213 χ^2 /NDF: 35905565.5/43

All: 1104.030 $\pm$ 0.191 χ^2 /NDF: 65100117.2/8

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -874.074 ± 1400.106 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 304.317 ± 1155.594 $\chi^2/\text{NDF}: 32.6/24$

Right Out: 328.412 ± 1333.346 $\chi^2/\text{NDF}: 17.8/18$

Left In: -332.488 ± 1196.011 $\chi^2/\text{NDF}: 14.7/22$

Left: -3.144 ± 831.049 $\chi^2/\text{NDF}: 47.4/47$

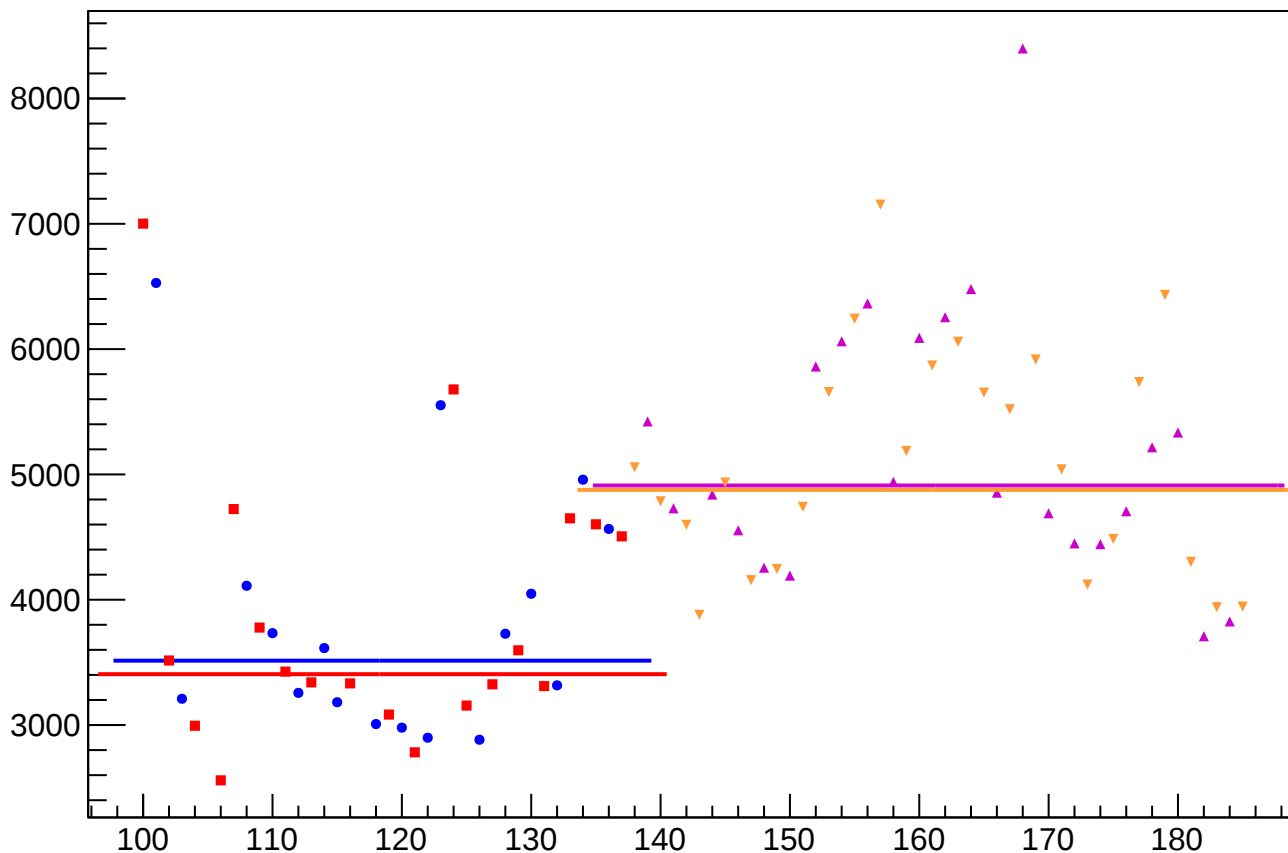
Right: -243.480 ± 965.557 $\chi^2/\text{NDF}: 31.8/35$

In: -560.966 ± 909.387 $\chi^2/\text{NDF}: 28.4/39$

Out: 314.652 ± 873.261 $\chi^2/\text{NDF}: 50.4/43$

All: -105.419 ± 629.873 $\chi^2/\text{NDF}: 79.2/83$

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3513.685+/-0.990 χ^2/NDF : 560775.0/16

Left Out: 4876.672+/-0.817 χ^2/NDF : 972620.4/24

Right Out: 3405.768+/-0.931 χ^2/NDF : 428480.7/18

Left In: 4911.546+/-0.846 χ^2/NDF : 1043164.6/22

Left: 4893.510+/-0.588 χ^2/NDF : 2016664.4/47

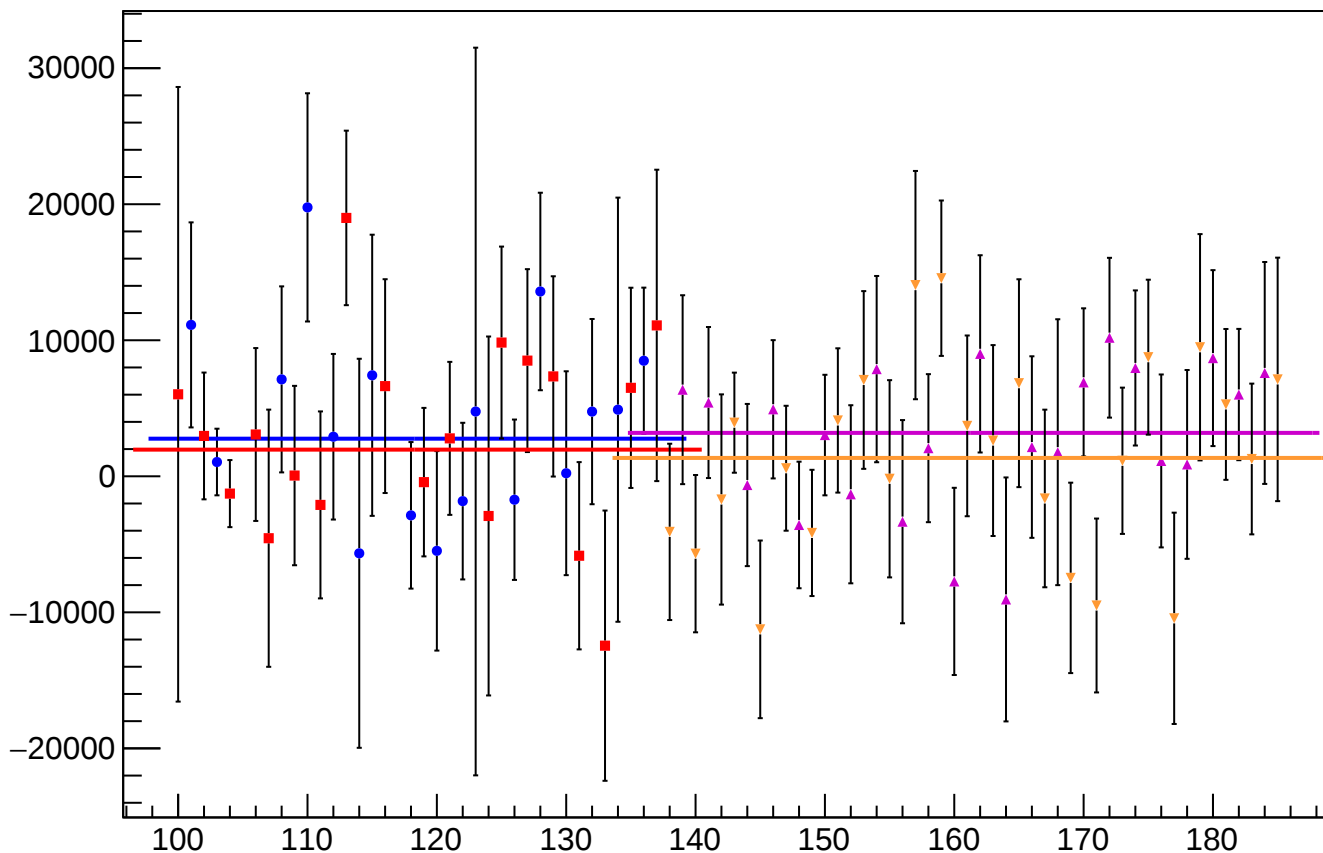
Right: 3456.388+/-0.678 χ^2/NDF : 995564.3/35

In: 4321.830+/-0.643 χ^2/NDF : 2756507.9/39

Out: 4236.279+/-0.614 χ^2/NDF : 2811854.1/43

All: 4277.080+/-0.444 χ^2/NDF : 5577620.8/83

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2764.928+/-1455.950 χ^2/NDF : 13.9/16

Left Out: 1349.698+/-1206.419 χ^2/NDF : 28.0/24

Right Out: 1959.806+/-1383.928 χ^2/NDF : 17.6/18

Left In: 3191.160+/-1270.021 χ^2/NDF : 14.0/22

Left: 2223.166+/-874.688 χ^2/NDF : 43.1/47

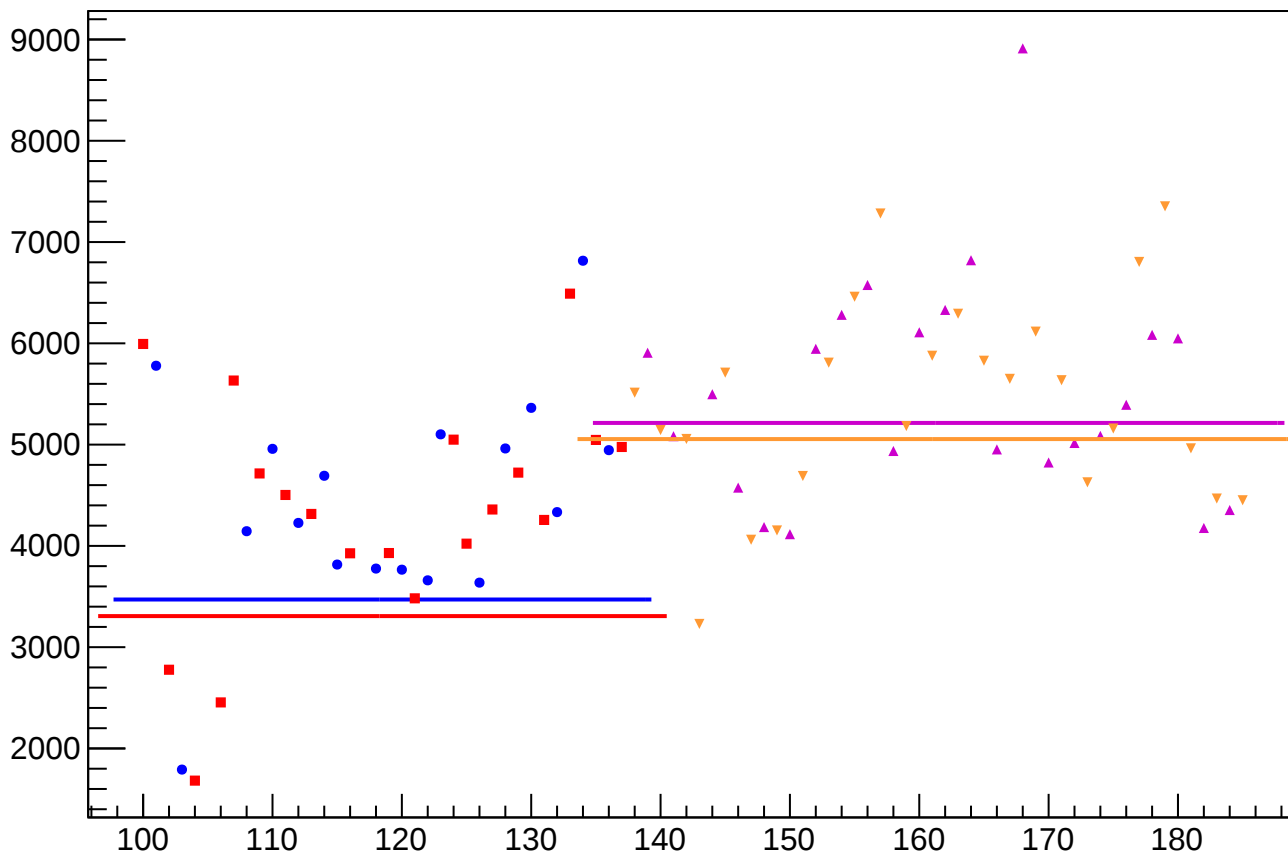
Right: 2341.962+/-1003.080 χ^2/NDF : 31.7/35

In: 3006.981+/-957.069 χ^2/NDF : 28.0/39

Out: 1613.138+/-909.393 χ^2/NDF : 45.7/43

All: 2274.479+/-659.248 χ^2/NDF : 74.8/83

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.650+/-1.029 χ^2/NDF : 1765892.2/16

Left Out: 5054.678+/-0.853 χ^2/NDF : 1437395.8/24

Right Out: 3306.828+/-0.970 χ^2/NDF : 1911650.7/18

Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

Left: 5130.307+/-0.618 χ^2/NDF : 2506467.3/47

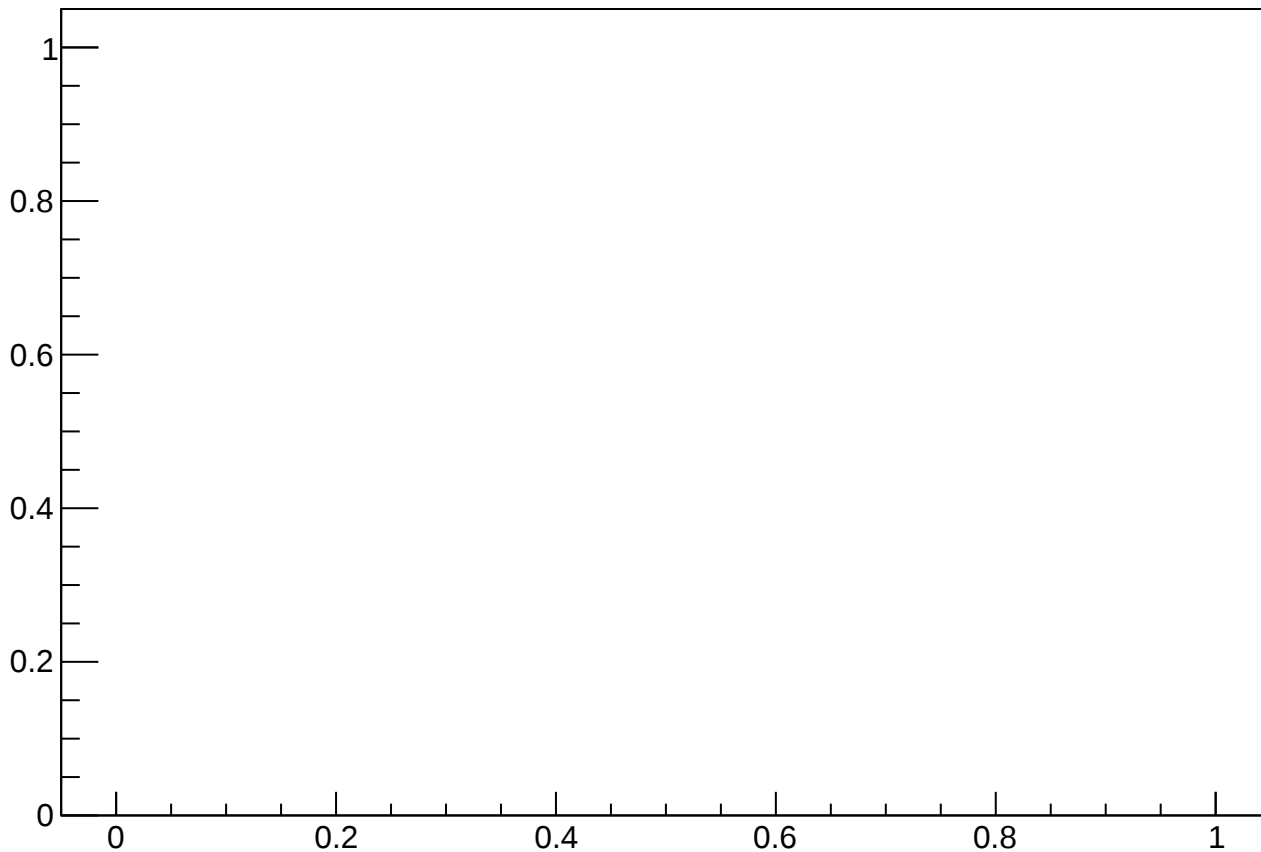
Right: 3383.837+/-0.706 χ^2/NDF : 3690961.8/35

In: 4460.729+/-0.677 χ^2/NDF : 4447101.4/39

Out: 4292.060+/-0.640 χ^2/NDF : 5180707.6/43

All: 4371.754+/-0.465 χ^2/NDF : 9660577.3/83

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

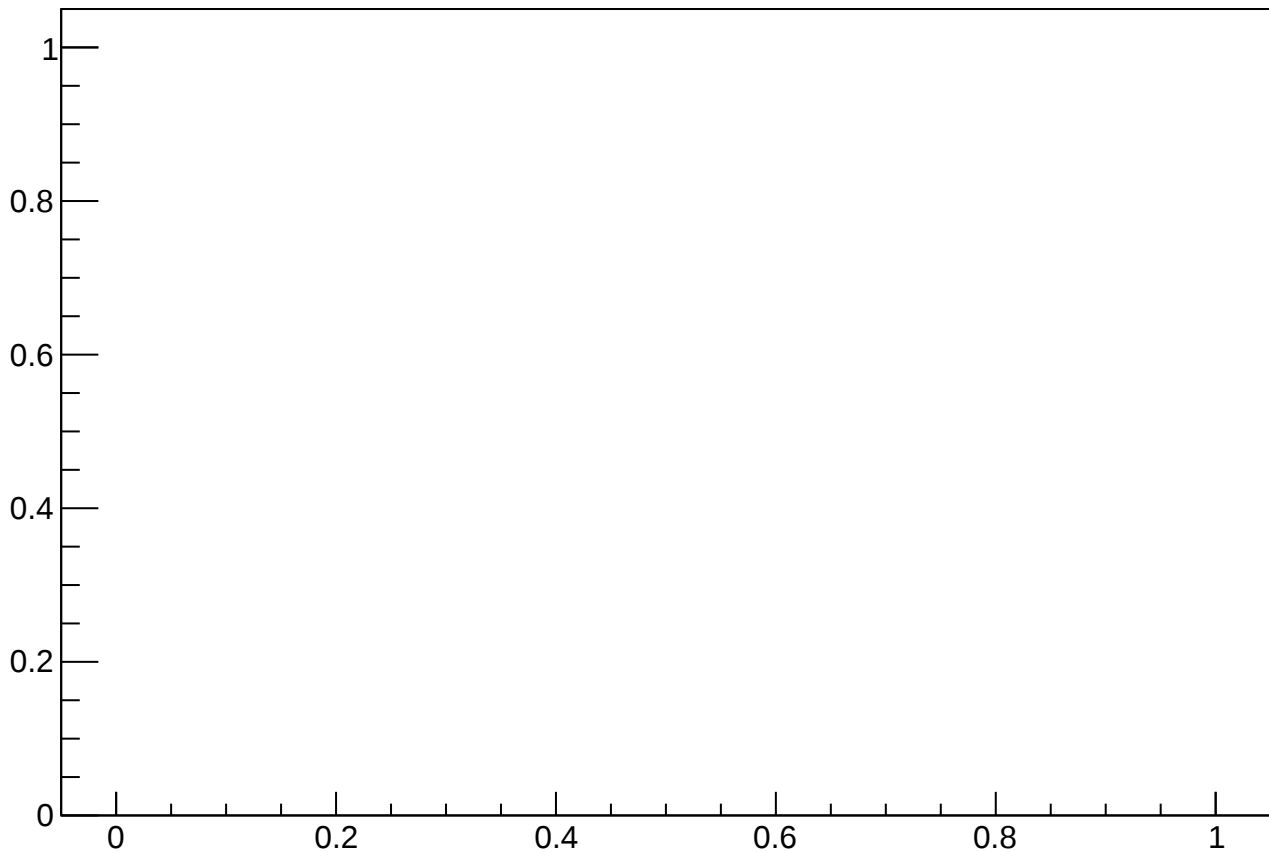
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

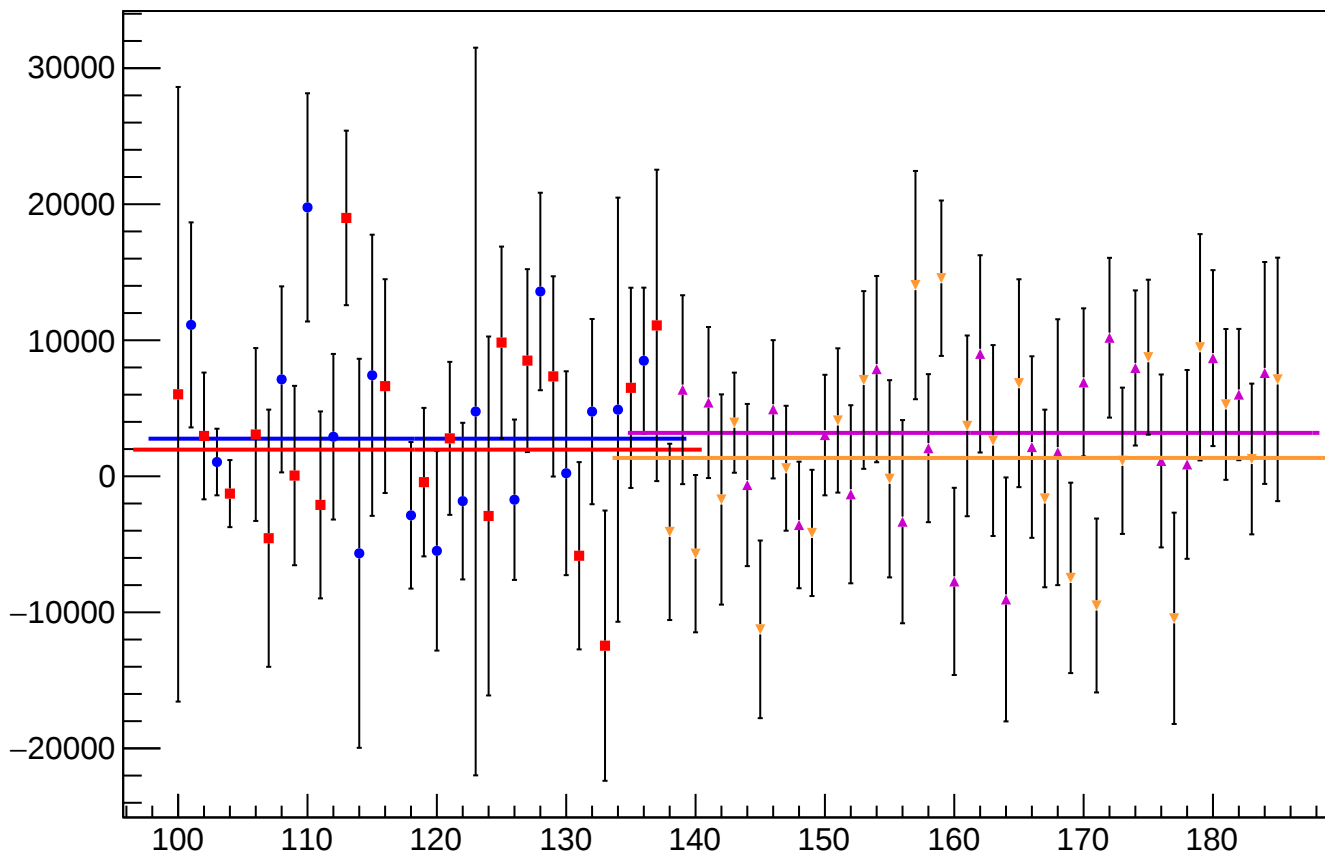
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2764.928+/-1455.950 χ^2/NDF : 13.9/16

Left Out: 1349.698+/-1206.419 χ^2/NDF : 28.0/24

Right Out: 1959.806+/-1383.928 χ^2/NDF : 17.6/18

Left In: 3191.160+/-1270.021 χ^2/NDF : 14.0/22

Left: 2223.166+/-874.688 χ^2/NDF : 43.1/47

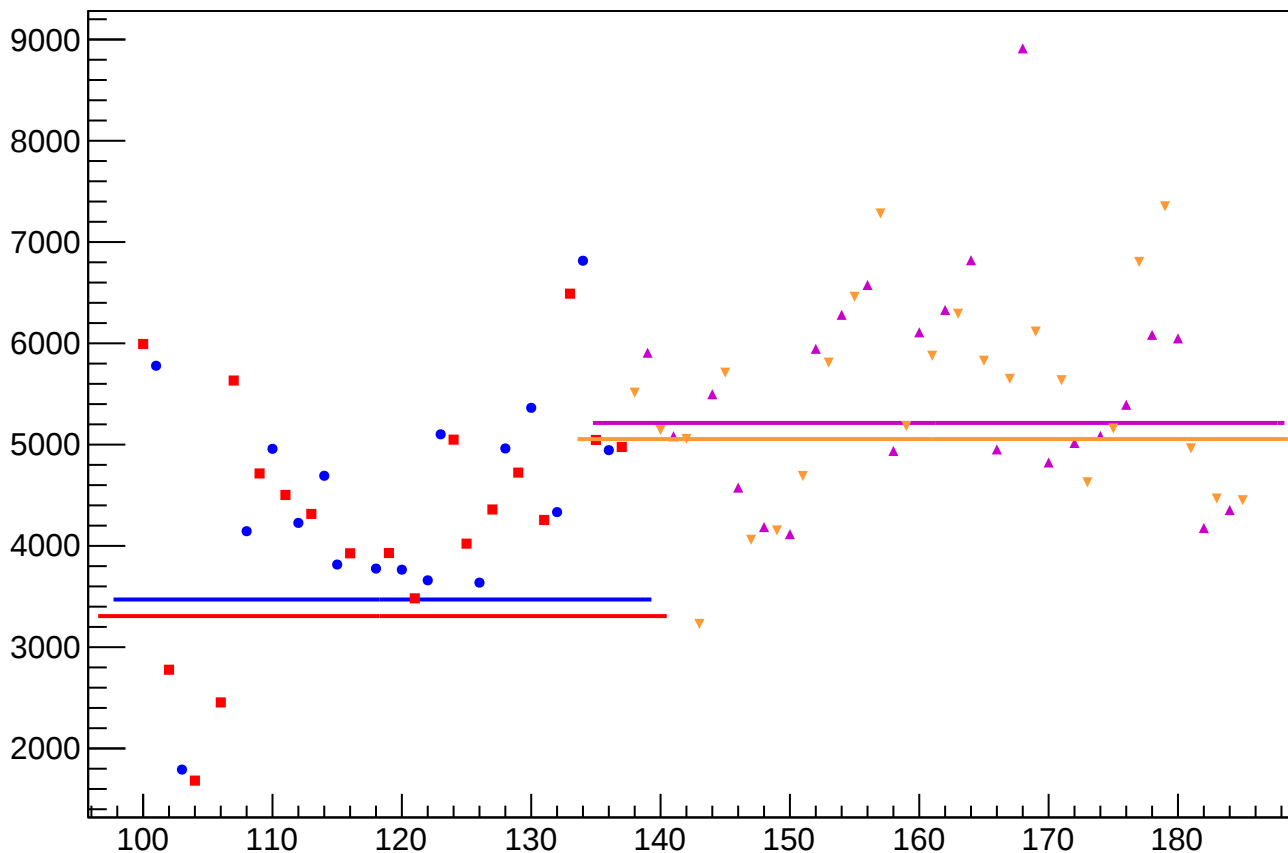
Right: 2341.962+/-1003.080 χ^2/NDF : 31.7/35

In: 3006.981+/-957.069 χ^2/NDF : 28.0/39

Out: 1613.138+/-909.393 χ^2/NDF : 45.7/43

All: 2274.479+/-659.248 χ^2/NDF : 74.8/83

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.650+/-1.029 χ^2/NDF : 1765892.2/16

Left Out: 5054.678+/-0.853 χ^2/NDF : 1437395.8/24

Right Out: 3306.828+/-0.970 χ^2/NDF : 1911650.7/18

Left In: 5214.120+/-0.898 χ^2/NDF : 1052501.5/22

Left: 5130.307+/-0.618 χ^2/NDF : 2506467.3/47

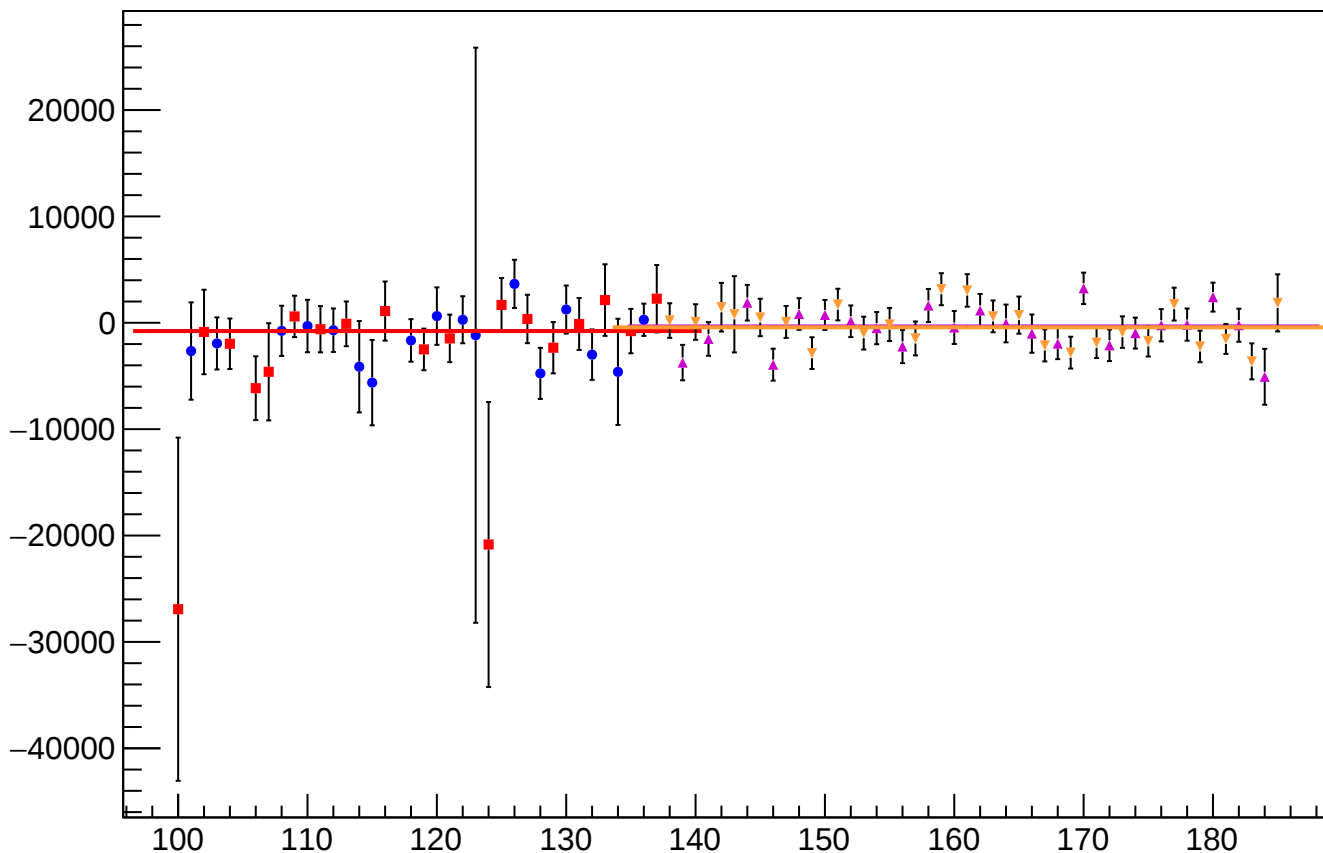
Right: 3383.837+/-0.706 χ^2/NDF : 3690961.8/35

In: 4460.729+/-0.677 χ^2/NDF : 4447101.4/39

Out: 4292.060+/-0.640 χ^2/NDF : 5180707.6/43

All: 4371.754+/-0.465 χ^2/NDF : 9660577.3/83

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -774.709+/-605.594 χ^2/NDF : 12.5/16

Left Out: -423.710+/-320.578 χ^2/NDF : 32.6/24

Right Out: -776.735+/-596.676 χ^2/NDF : 14.3/18

Left In: -343.737+/-324.368 χ^2/NDF : 33.8/22

Left: -384.194+/-228.011 χ^2/NDF : 66.4/47

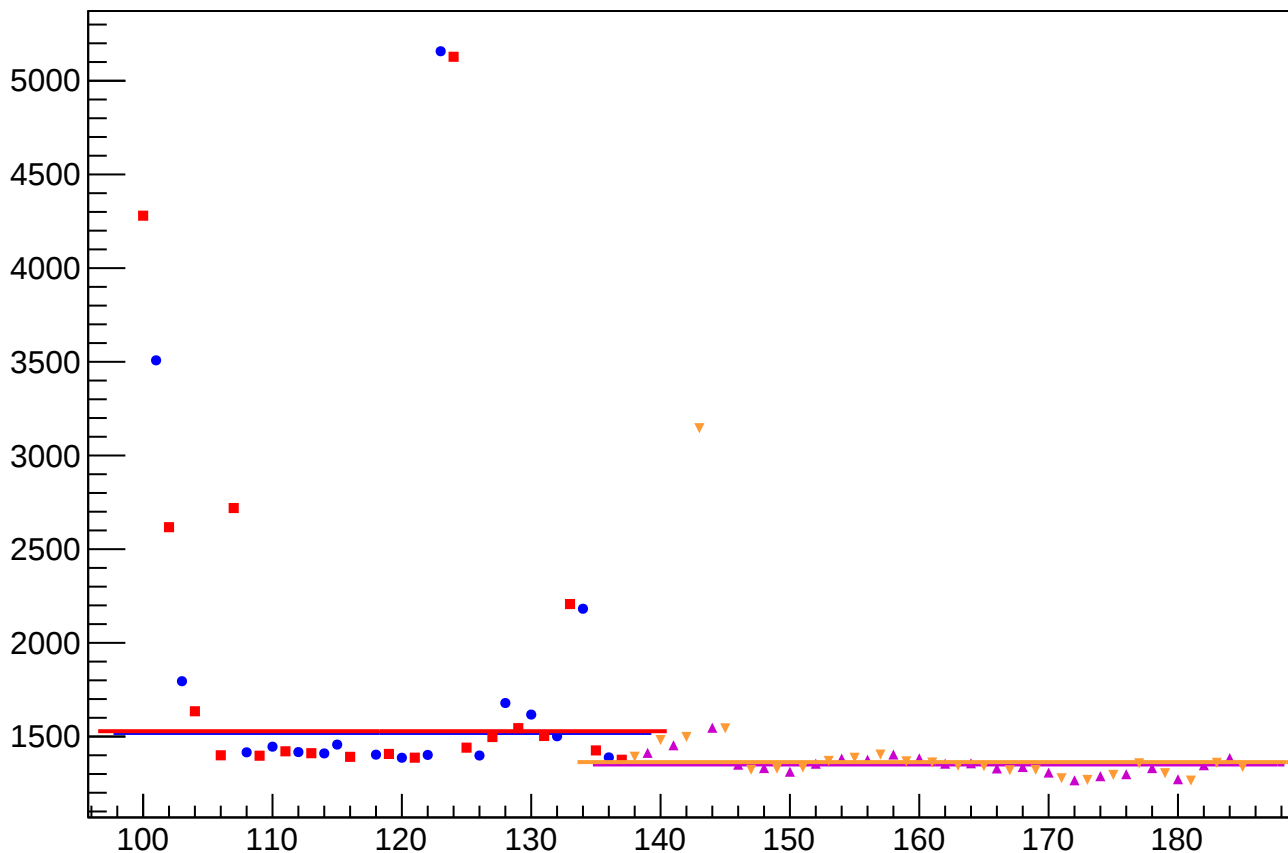
Right: -775.737+/-425.032 χ^2/NDF : 26.9/35

In: -439.815+/-285.935 χ^2/NDF : 46.7/39

Out: -502.788+/-282.399 χ^2/NDF : 47.2/43

All: -471.693+/-200.925 χ^2/NDF : 93.9/83

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1519.171+/-0.428 χ^2/NDF : 537680.2/16

Left Out: 1363.547+/-0.227 χ^2/NDF : 575228.6/24

Right Out: 1528.435+/-0.422 χ^2/NDF : 631166.4/18

Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

Left: 1357.302+/-0.161 χ^2/NDF : 643909.2/47

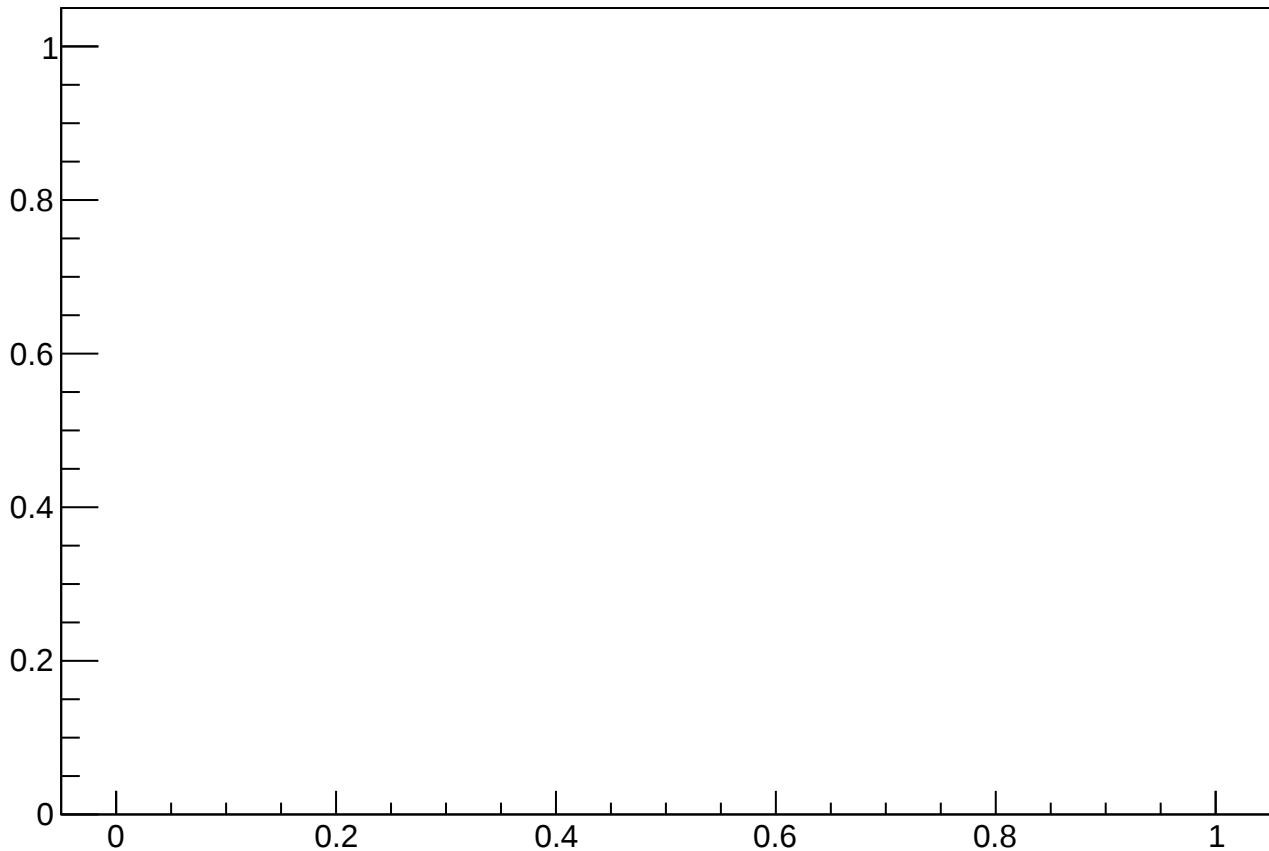
Right: 1523.872+/-0.301 χ^2/NDF : 1169084.1/35

In: 1388.420+/-0.202 χ^2/NDF : 724802.9/39

Out: 1400.483+/-0.200 χ^2/NDF : 1324916.0/43

All: 1394.527+/-0.142 χ^2/NDF : 2051520.7/83

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

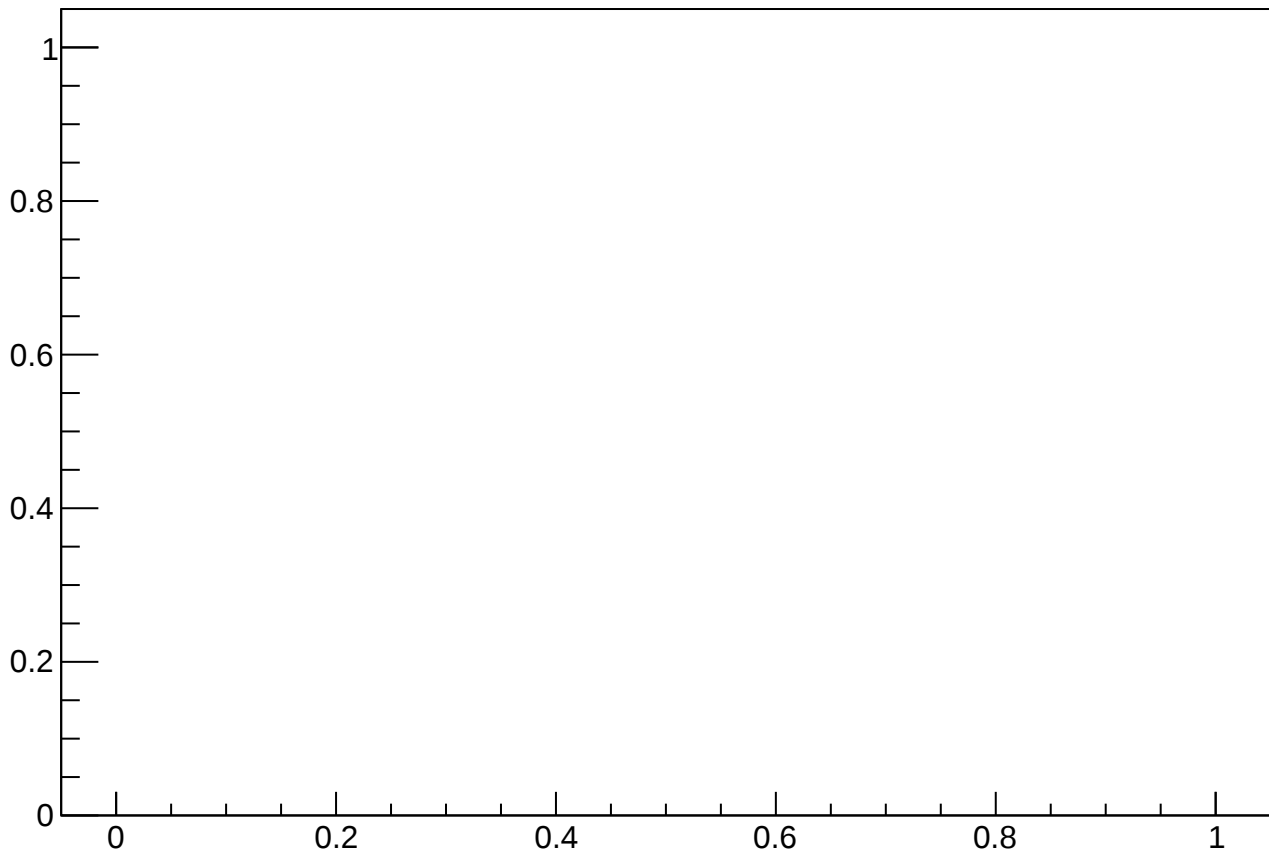
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

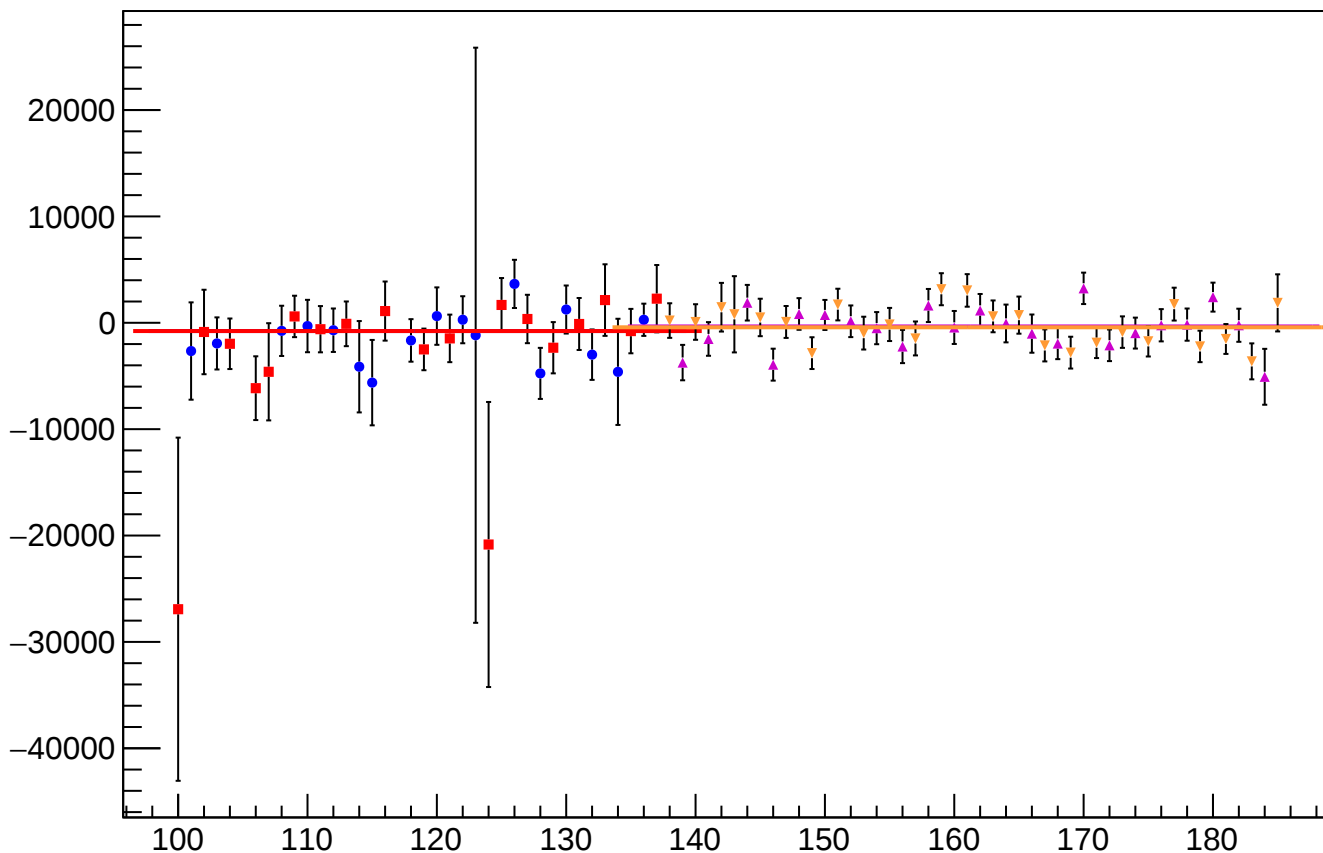
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -774.709+/-605.594 χ^2/NDF : 12.5/16

Left Out: -423.710+/-320.578 χ^2/NDF :32.6/24

Right Out: -776.735+/-596.676 χ^2/NDF : 14.3/18

Left In: -343.737+/-324.368 χ^2/NDF :33.8/22

Left: -384.194+/-228.011 χ^2/NDF : 66.4/47

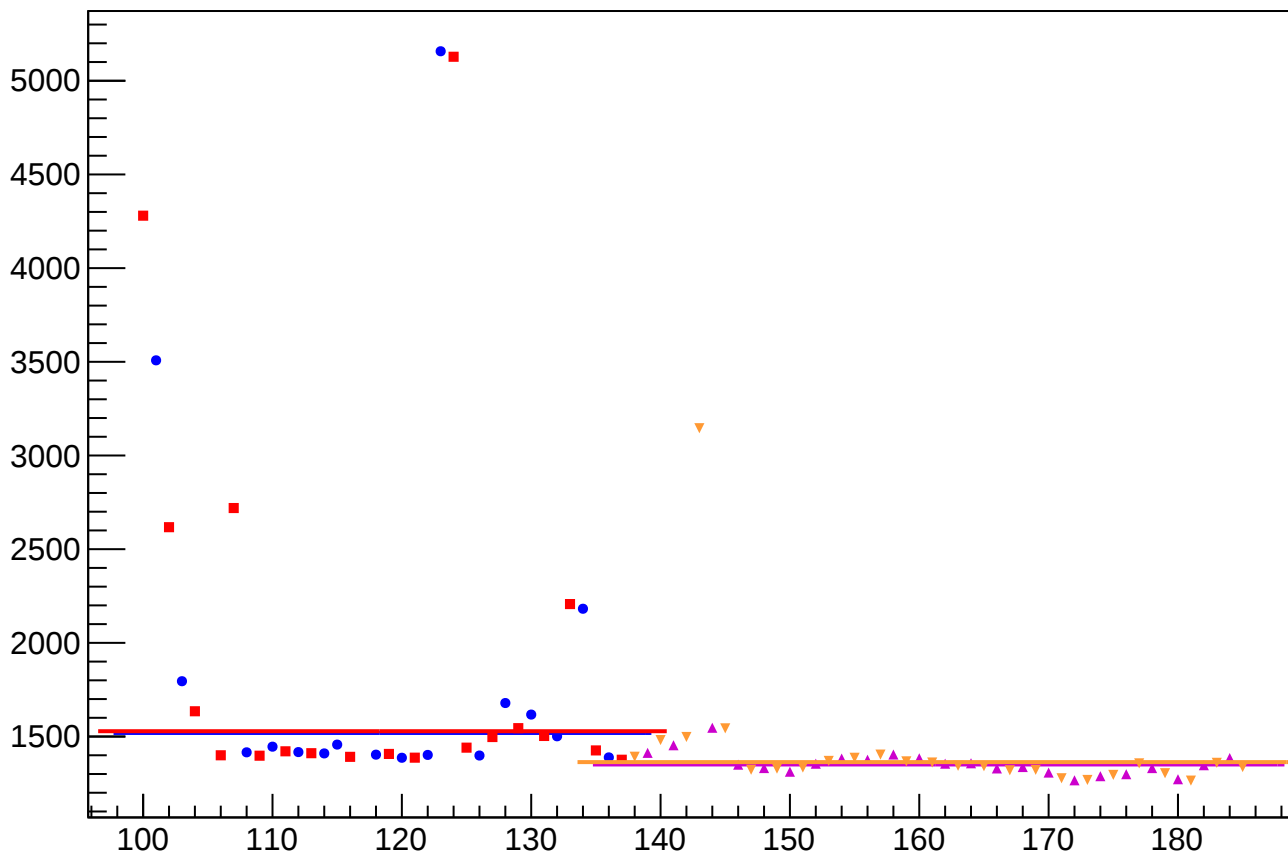
Right: -775.737+/-425.032 χ^2/NDF : 26.9/35

In: -439.815+/-285.935 χ^2/NDF :46.7/39

Out: -502.788+/-282.399 χ^2/NDF :47.2/43

All: -471.693+/-200.925 χ^2/NDF : 93.9/83

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1519.171+/-0.428 χ^2/NDF : 537680.2/16

Left Out: 1363.547+/-0.227 χ^2/NDF : 575228.6/24

Right Out: 1528.435+/-0.422 χ^2/NDF : 631166.4/18

Left In: 1350.909+/-0.229 χ^2/NDF : 67144.5/22

Left: 1357.302+/-0.161 χ^2/NDF : 643909.2/47

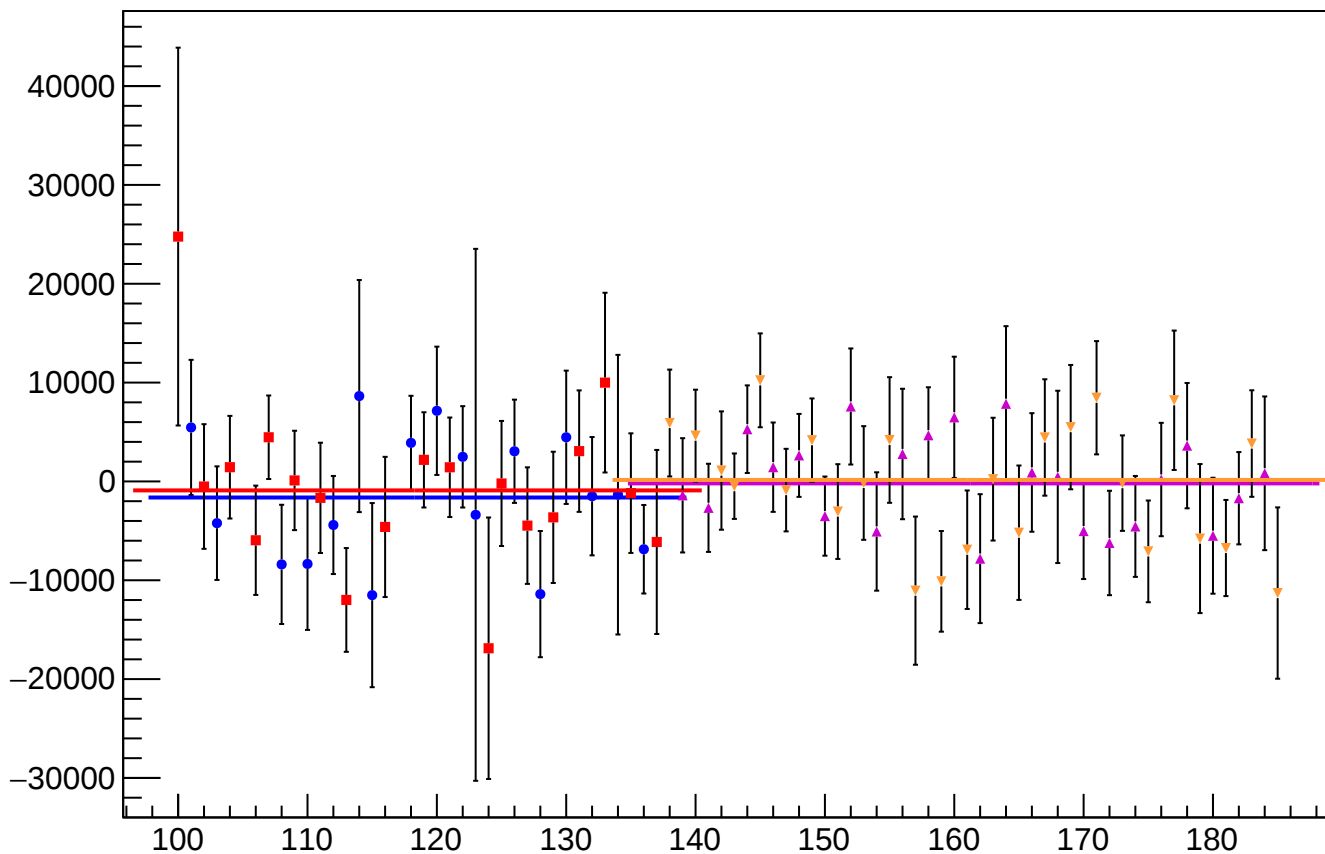
Right: 1523.872+/-0.301 χ^2/NDF : 1169084.1/35

In: 1388.420+/-0.202 χ^2/NDF : 724802.9/39

Out: 1400.483+/-0.200 χ^2/NDF : 1324916.0/43

All: 1394.527+/-0.142 χ^2/NDF : 2051520.7/83

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1626.973 ± 1517.678 $\chi^2/\text{NDF}: 14.9/16$

Left Out: 150.000 ± 1065.653 $\chi^2/\text{NDF}: 28.2/24$

Right Out: -908.006 ± 1381.849 $\chi^2/\text{NDF}: 14.1/18$

Left In: -200.182 ± 1123.499 $\chi^2/\text{NDF}: 14.7/22$

Left: -15.844 ± 773.172 $\chi^2/\text{NDF}: 43.0/47$

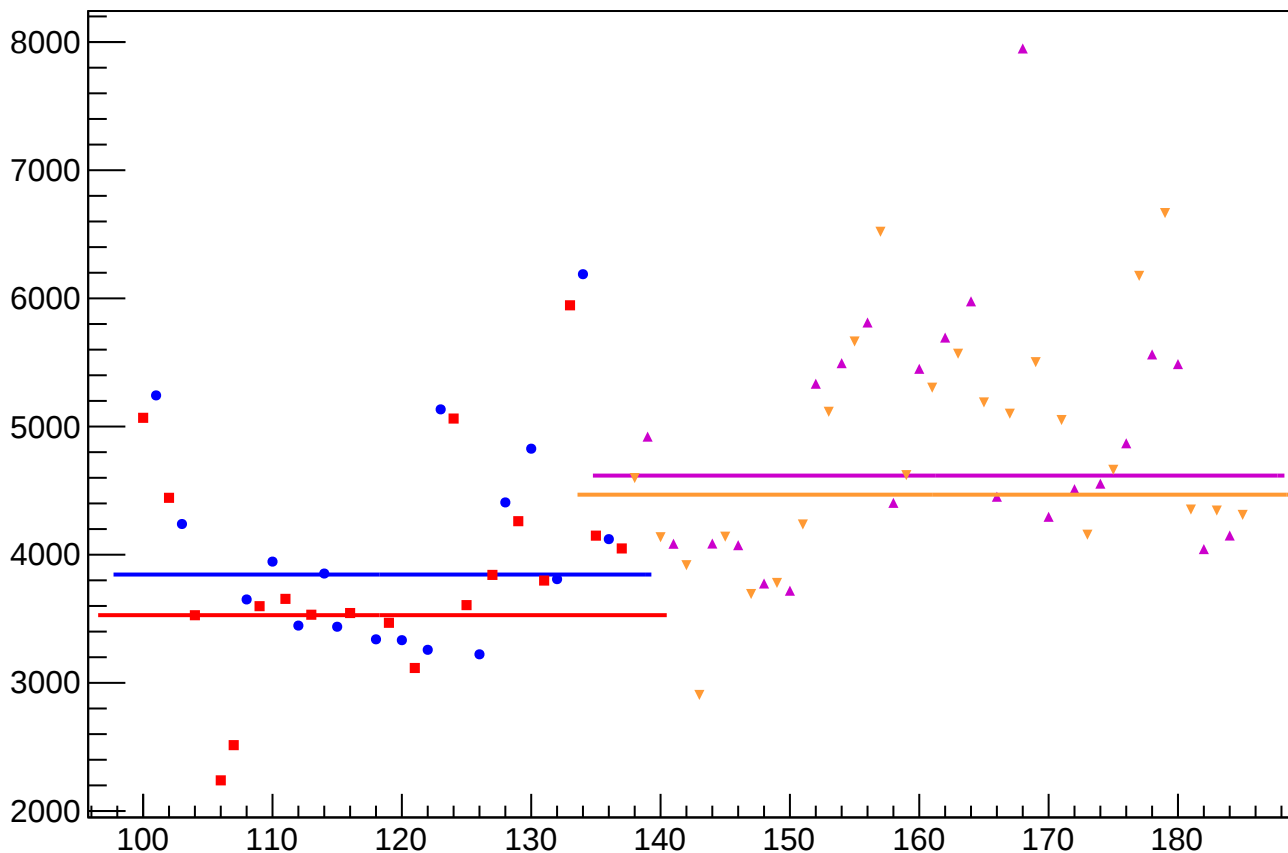
Right: -1233.883 ± 1021.768 $\chi^2/\text{NDF}: 29.1/35$

In: -705.278 ± 902.997 $\chi^2/\text{NDF}: 30.2/39$

Out: -244.562 ± 843.867 $\chi^2/\text{NDF}: 42.7/43$

All: -459.343 ± 616.549 $\chi^2/\text{NDF}: 73.0/83$

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3845.187 $\pm$ 1.073 χ^2 /NDF: 326944.8/16

Left Out: 4468.400 $\pm$ 0.754 χ^2 /NDF:1380657.8/24

Right Out: 3528.231 $\pm$ 0.968 χ^2 /NDF: 556307.5/18

Left In: 4617.293 $\pm$ 0.794 χ^2 /NDF:999599.8/22

Left: 4538.915 $\pm$ 0.547 χ^2 /NDF: 2398748.4/47

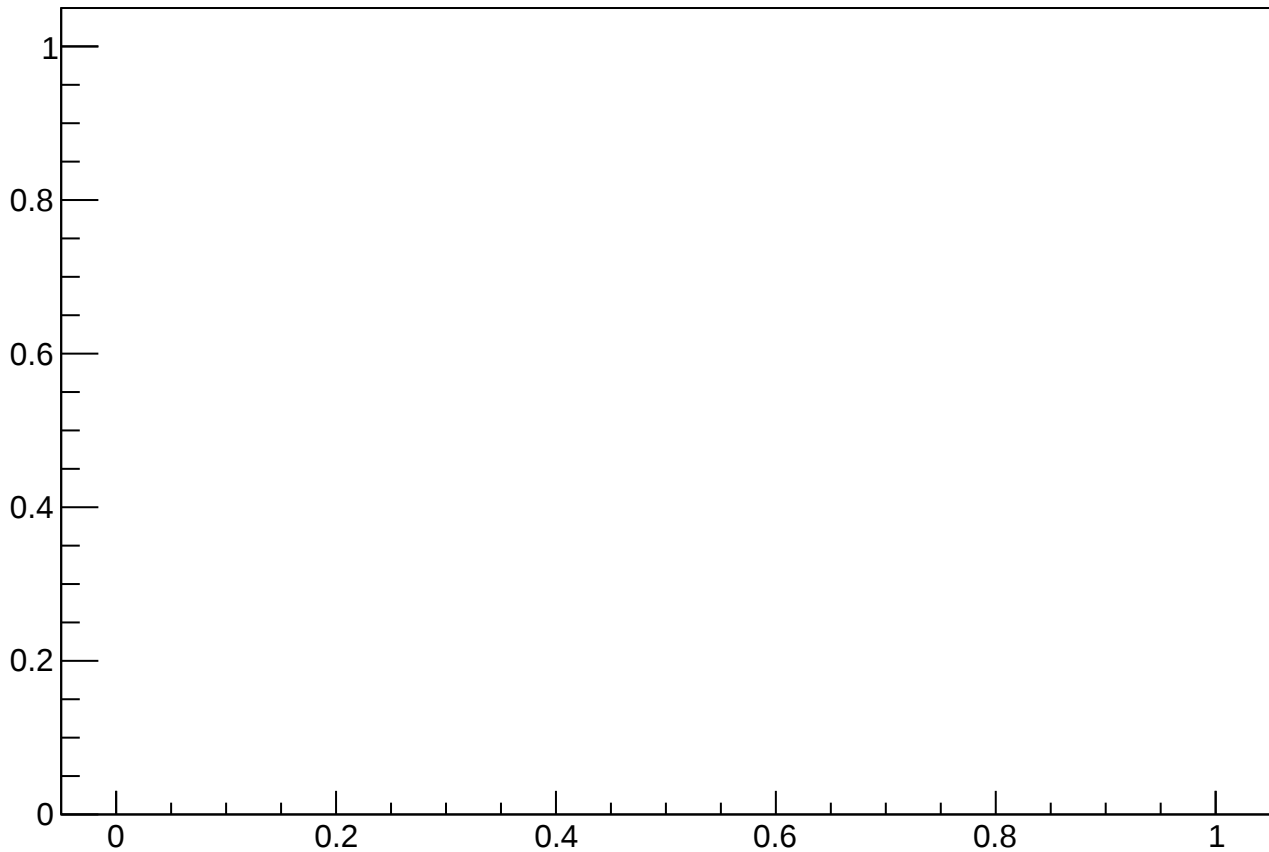
Right: 3670.458 $\pm$ 0.719 χ^2 /NDF: 931342.4/35

In: 4343.952 $\pm$ 0.639 χ^2 /NDF:1660945.4/39

Out: 4113.742 $\pm$ 0.595 χ^2 /NDF:2524204.0/43

All: 4220.670 $\pm$ 0.435 χ^2 /NDF: 4254761.6/83

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

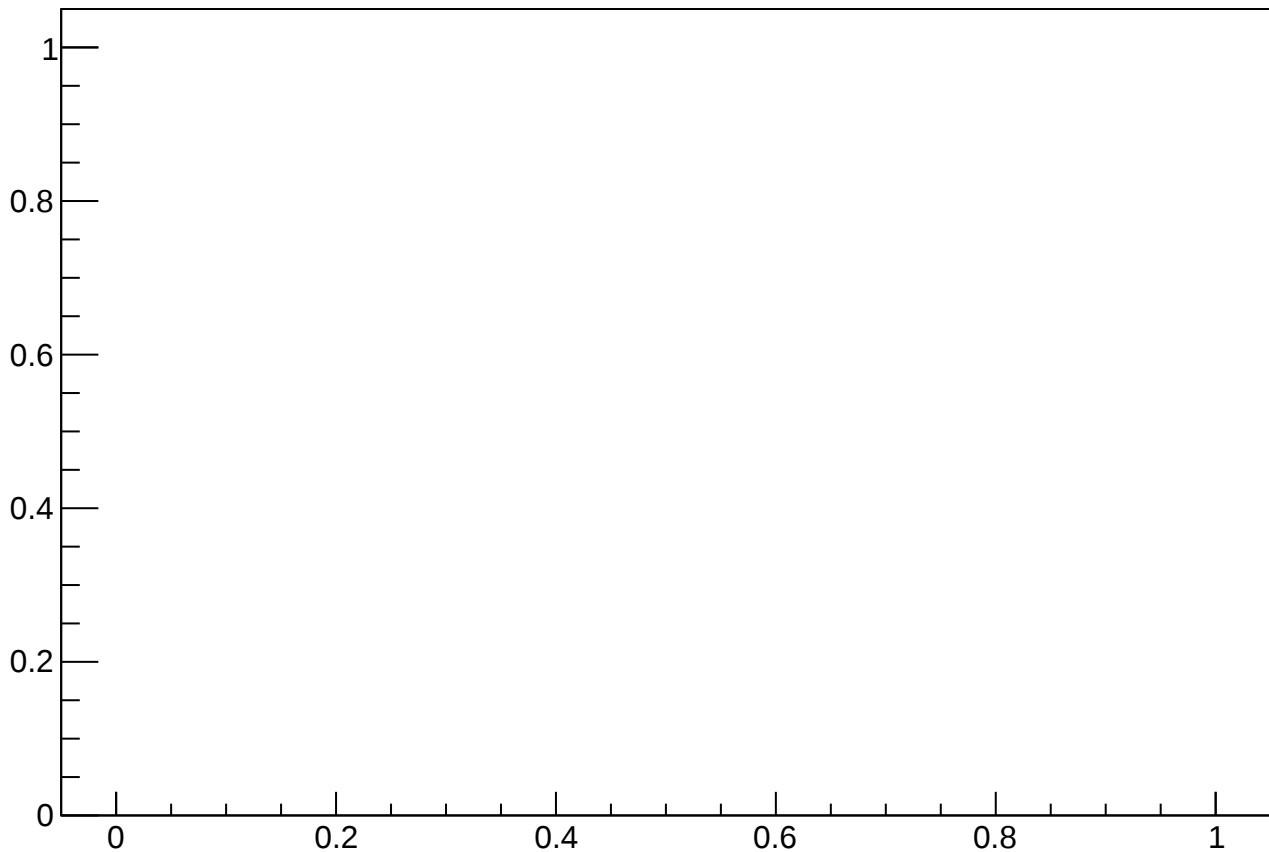
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

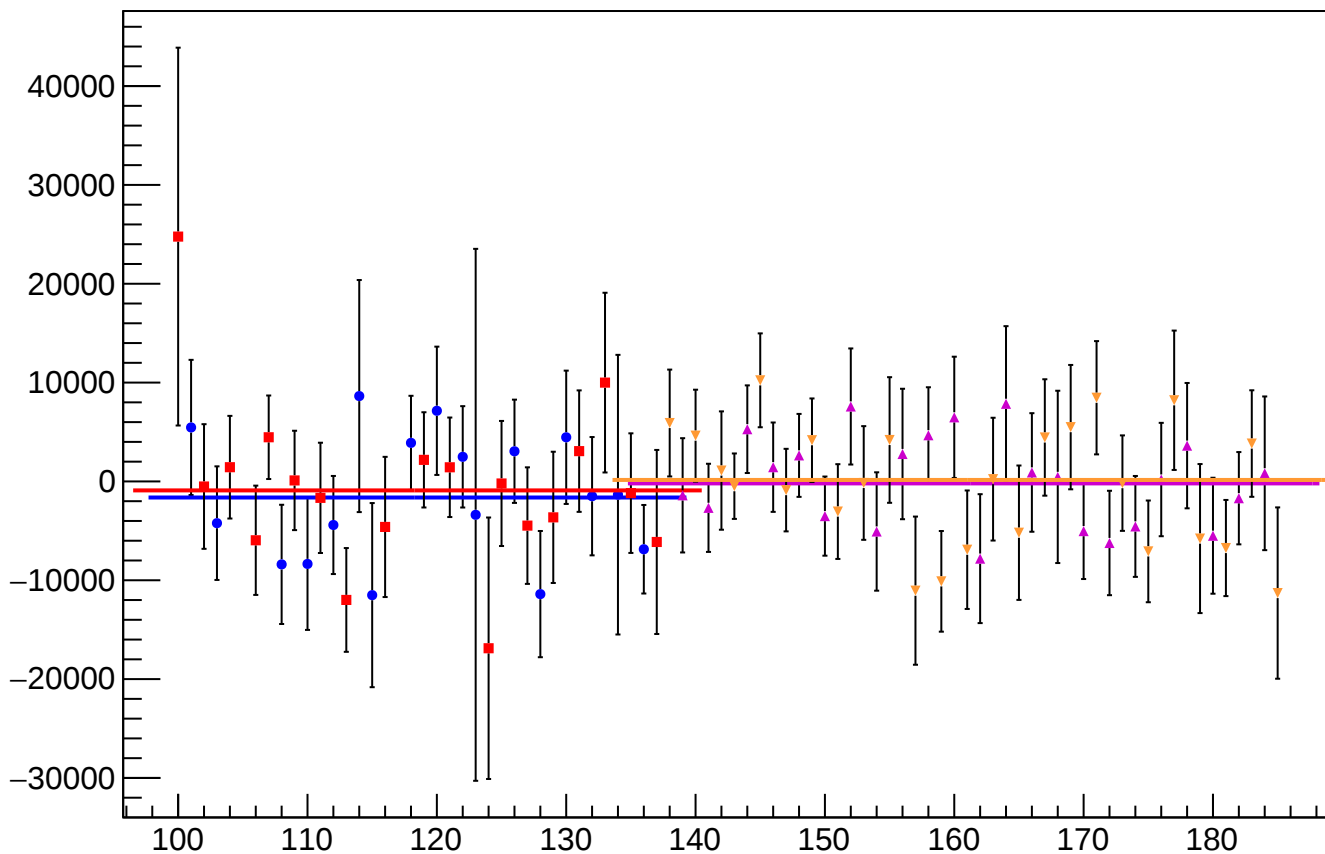
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1626.973+/-1517.678 χ^2/NDF : 14.9/16

Left Out: 150.000+/-1065.653 χ^2/NDF : 28.2/24

Right Out: -908.006+/-1381.849 χ^2/NDF : 14.1/18

Left In: -200.182+/-1123.499 χ^2/NDF : 14.7/22

Left: -15.844+/-773.172 χ^2/NDF : 43.0/47

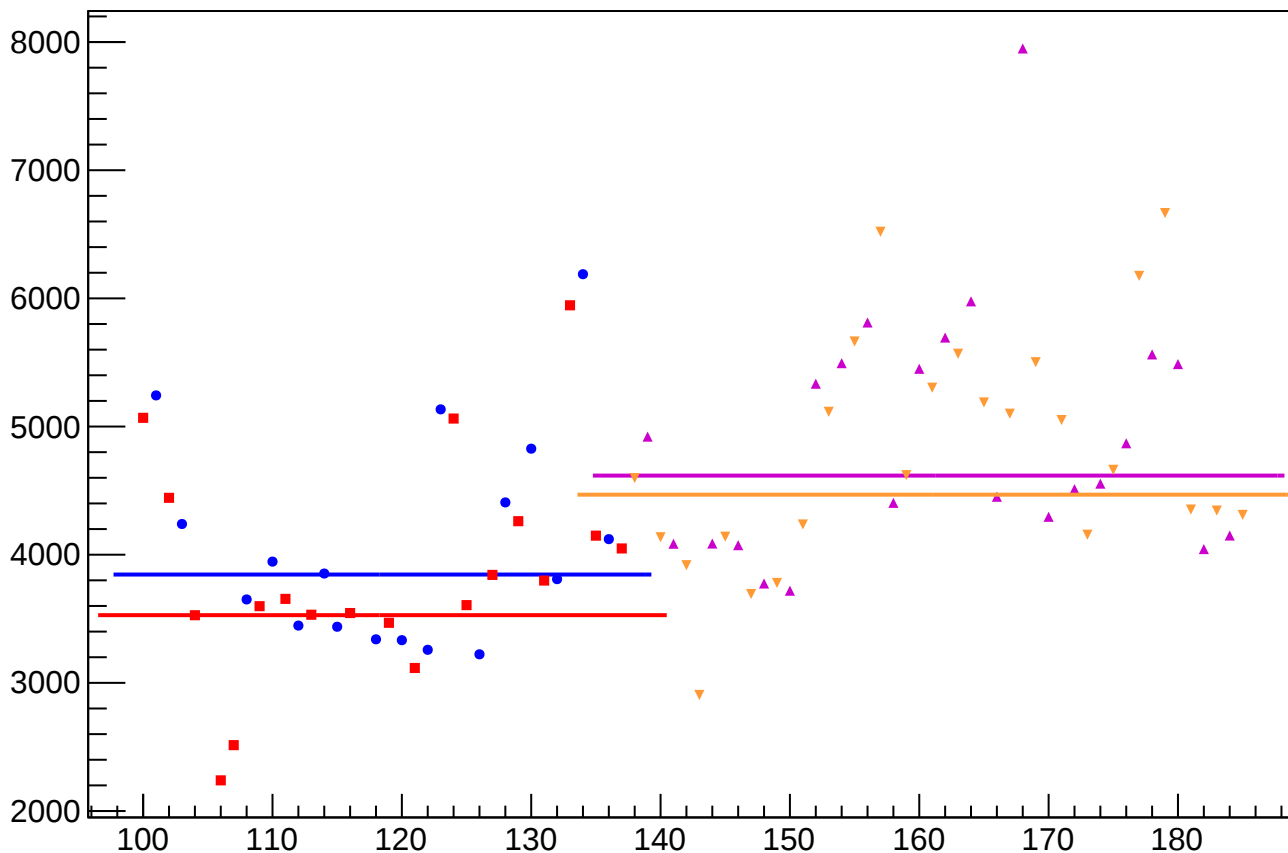
Right: -1233.883+/-1021.768 χ^2/NDF : 29.1/35

In: -705.278+/-902.997 χ^2/NDF : 30.2/39

Out: -244.562+/-843.867 χ^2/NDF : 42.7/43

All: -459.343+/-616.549 χ^2/NDF : 73.0/83

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3845.187+/-1.073 χ^2/NDF : 326944.8/16

Left Out: 4468.400+/-0.754 χ^2/NDF :1380657.8/24

Right Out: 3528.231+/-0.968 χ^2/NDF : 556307.5/18

Left In: 4617.293+/-0.794 χ^2/NDF :999599.8/22

Left: 4538.915+/-0.547 χ^2/NDF : 2398748.4/47

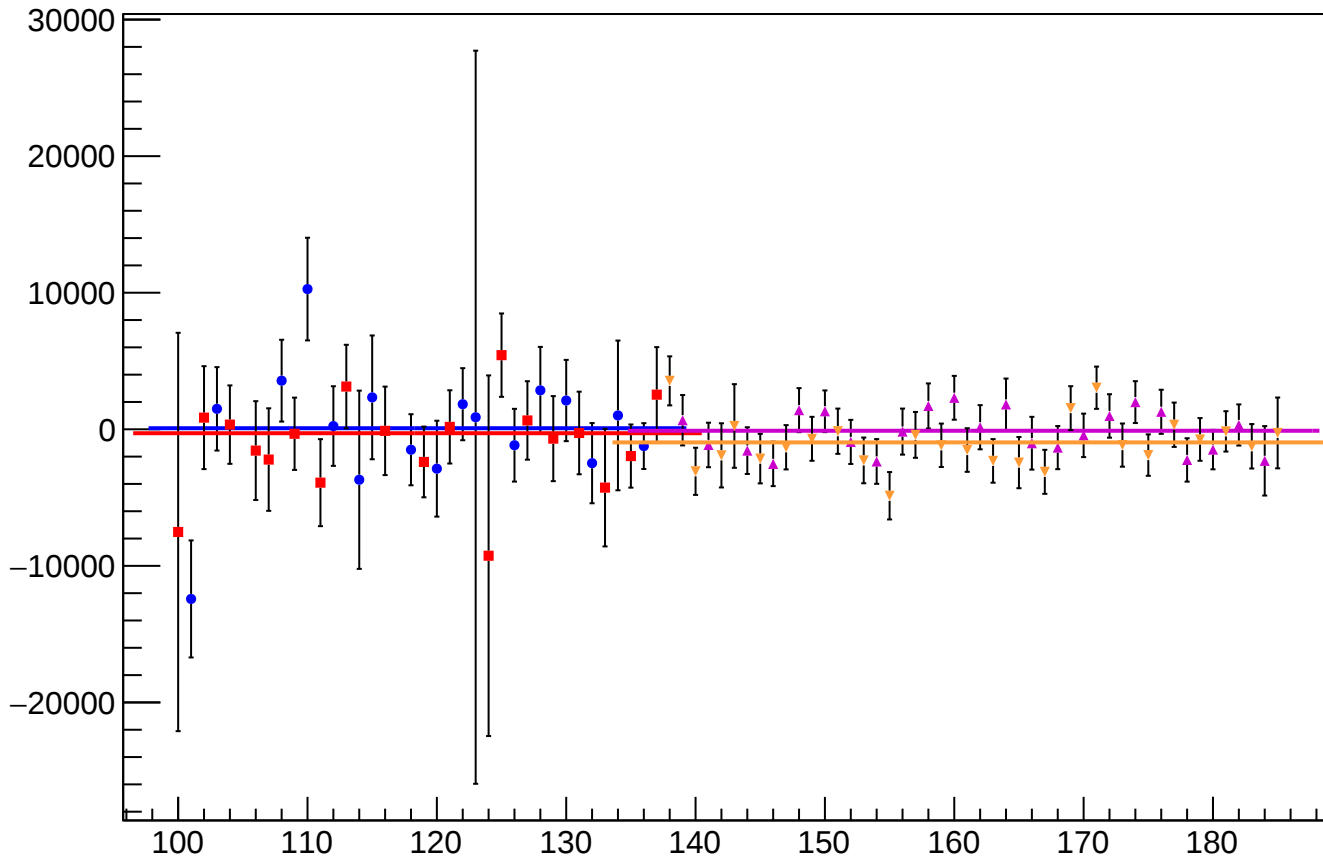
Right: 3670.458+/-0.719 χ^2/NDF : 931342.4/35

In: 4343.952+/-0.639 χ^2/NDF :1660945.4/39

Out: 4113.742+/-0.595 χ^2/NDF :2524204.0/43

All: 4220.670+/-0.435 χ^2/NDF : 4254761.6/83

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 78.213+/-752.844 χ^2/NDF : 22.4/16

Left Out: -959.945+/-339.548 χ^2/NDF :28.5/24

Right Out: -287.747+/-736.056 χ^2/NDF : 10.1/18

Left In: -107.512+/-343.663 χ^2/NDF :19.5/22

Left: -538.862+/-241.538 χ^2/NDF : 51.1/47

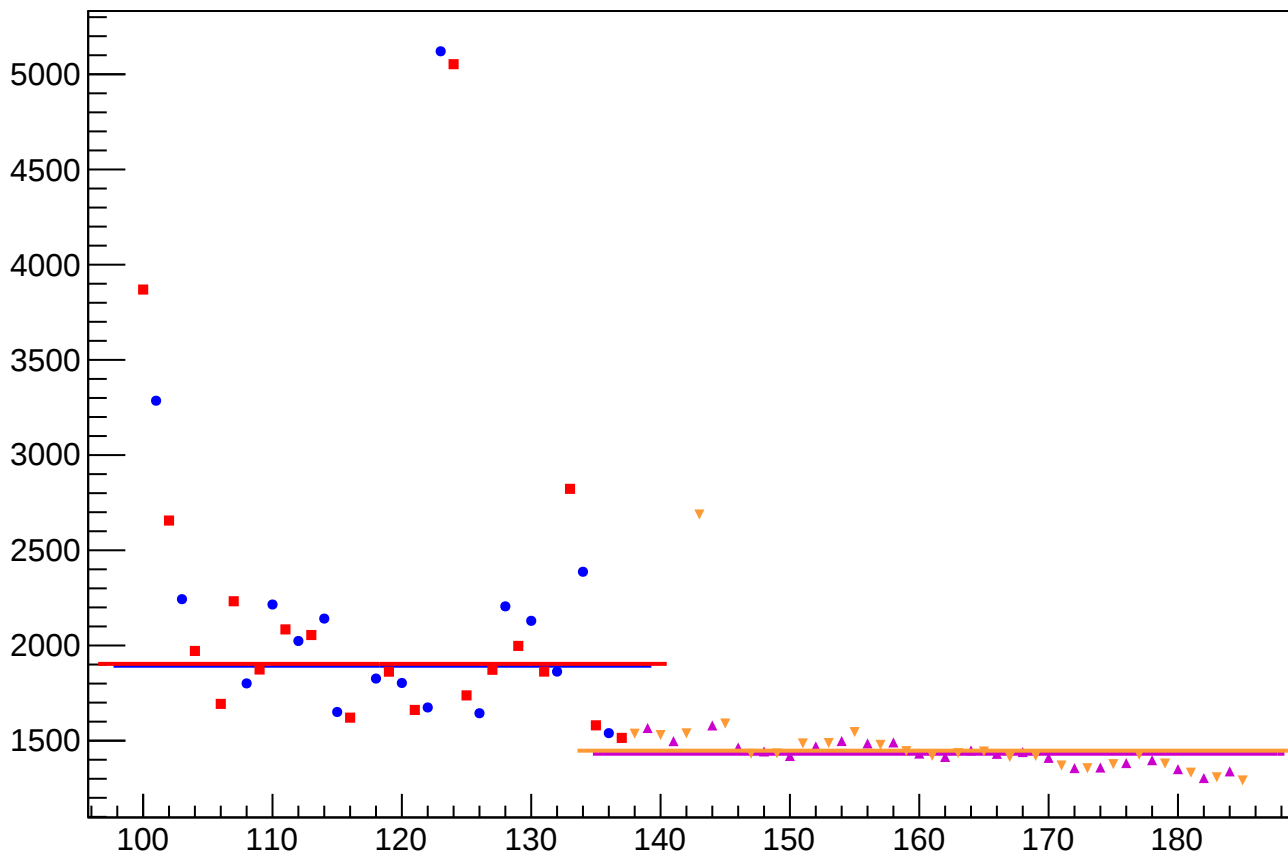
Right: -108.893+/-526.306 χ^2/NDF : 32.6/35

In: -75.485+/-312.630 χ^2/NDF :41.9/39

Out: -841.998+/-308.323 χ^2/NDF :39.4/43

All: -464.058+/-219.524 χ^2/NDF : 84.3/83

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1893.797 $\pm$ 0.532 χ^2 /NDF: 466447.3/16

Left Out: 1447.592 $\pm$ 0.240 χ^2 /NDF: 419174.8/24

Right Out: 1903.476 $\pm$ 0.520 χ^2 /NDF: 460230.4/18

Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

Left: 1439.621 $\pm$ 0.171 χ^2 /NDF: 496536.6/47

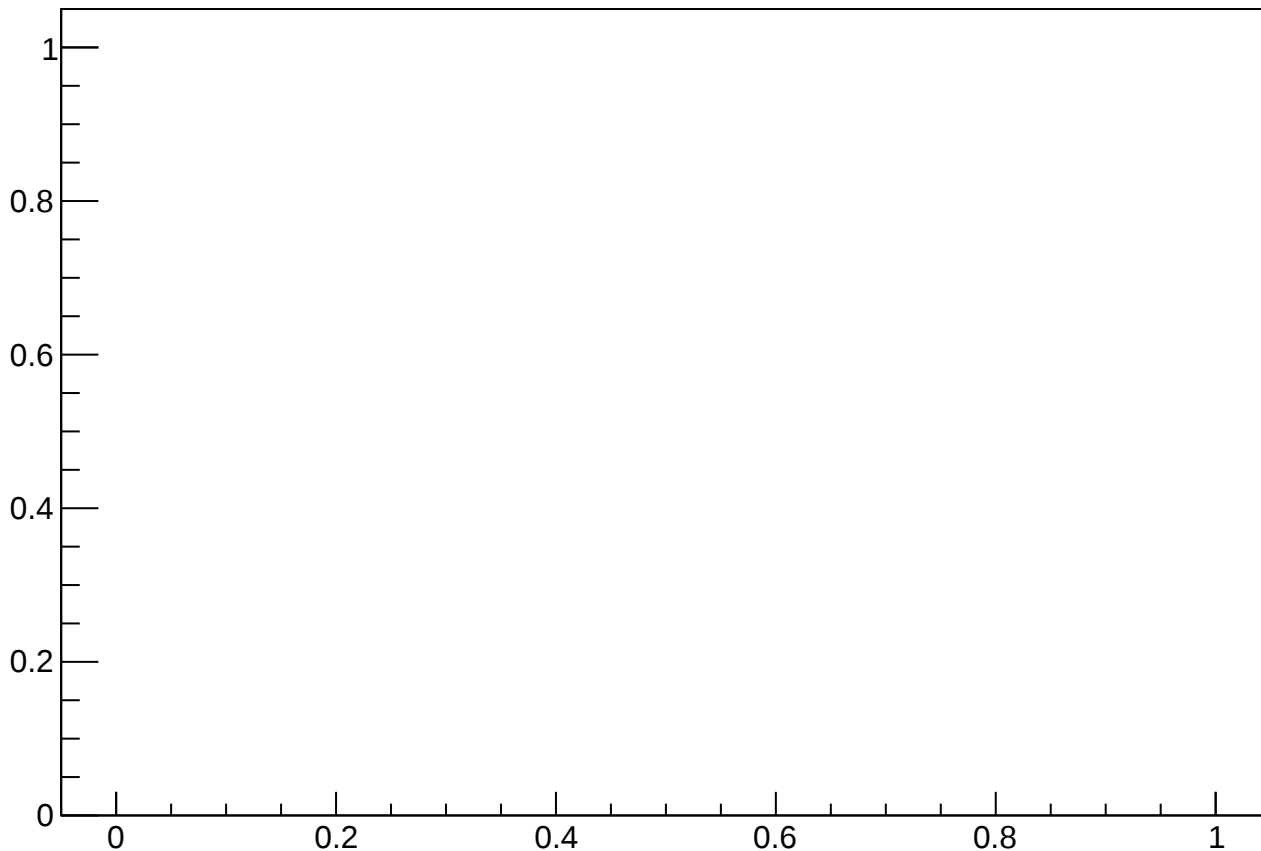
Right: 1898.746 $\pm$ 0.372 χ^2 /NDF: 926846.7/35

In: 1511.185 $\pm$ 0.221 χ^2 /NDF: 1165810.5/39

Out: 1527.586 $\pm$ 0.218 χ^2 /NDF: 1512015.6/43

All: 1519.499 $\pm$ 0.155 χ^2 /NDF: 2680616.4/83

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

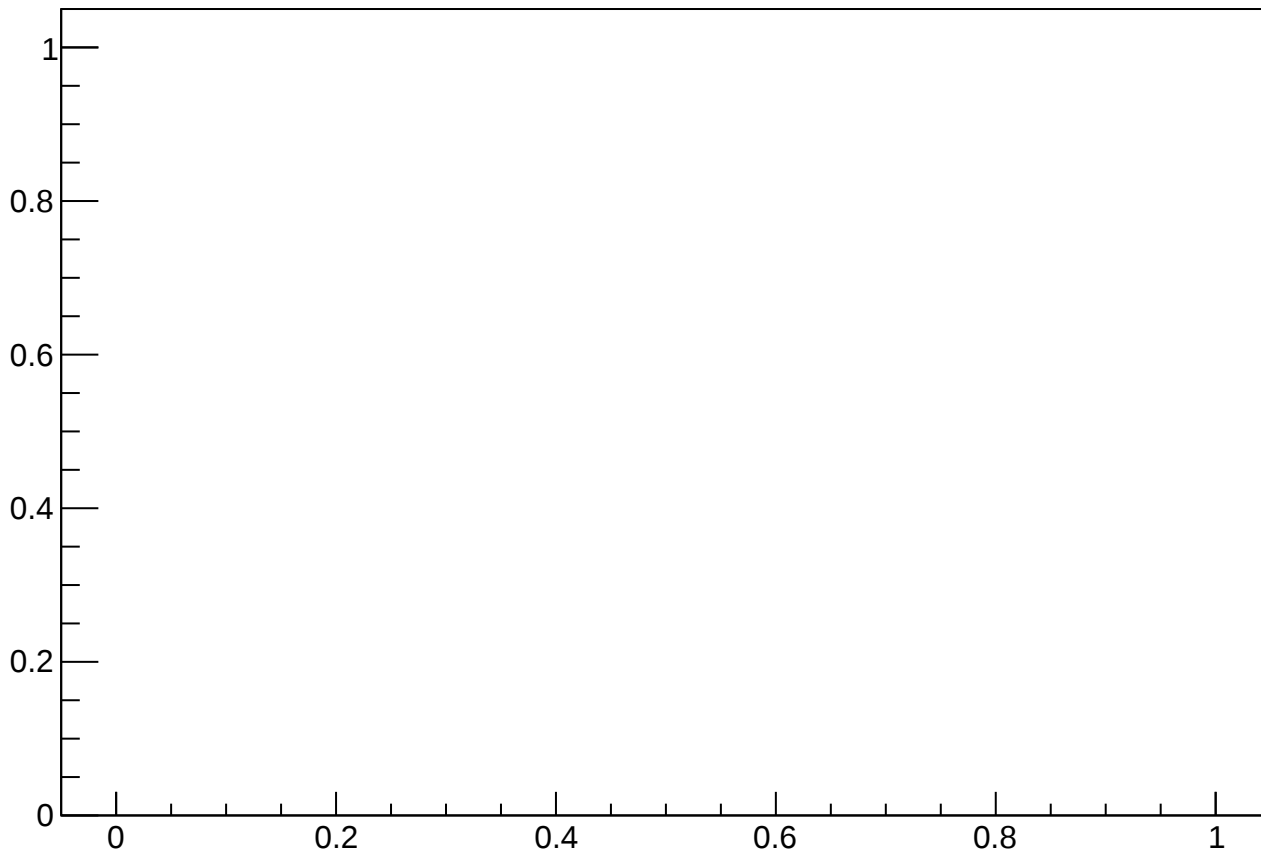
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

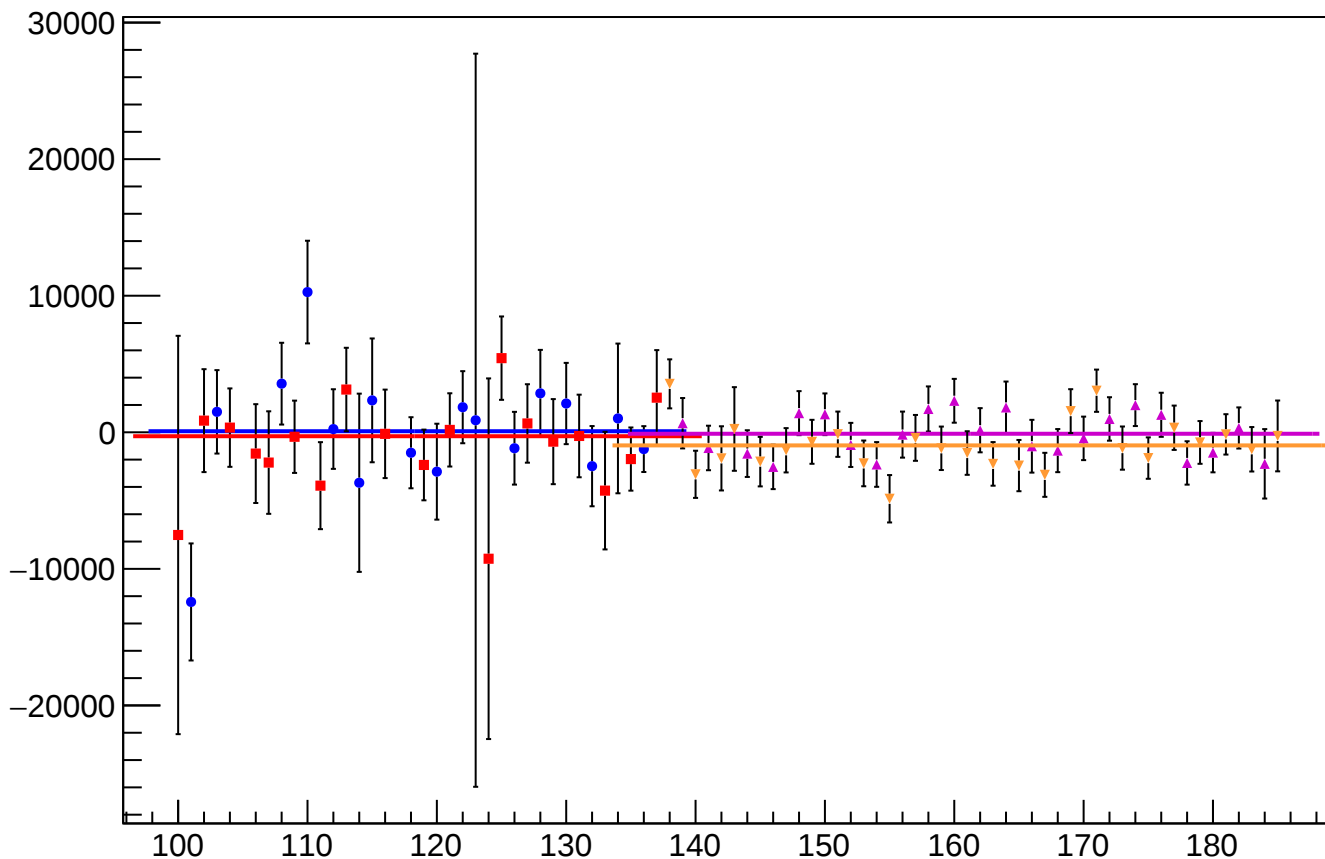
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 78.213+/-752.844 χ^2/NDF : 22.4/16

Left Out: -959.945+/-339.548 χ^2/NDF : 28.5/24

Right Out: -287.747+/-736.056 χ^2/NDF : 10.1/18

Left In: -107.512+/-343.663 χ^2/NDF : 19.5/22

Left: -538.862+/-241.538 χ^2/NDF : 51.1/47

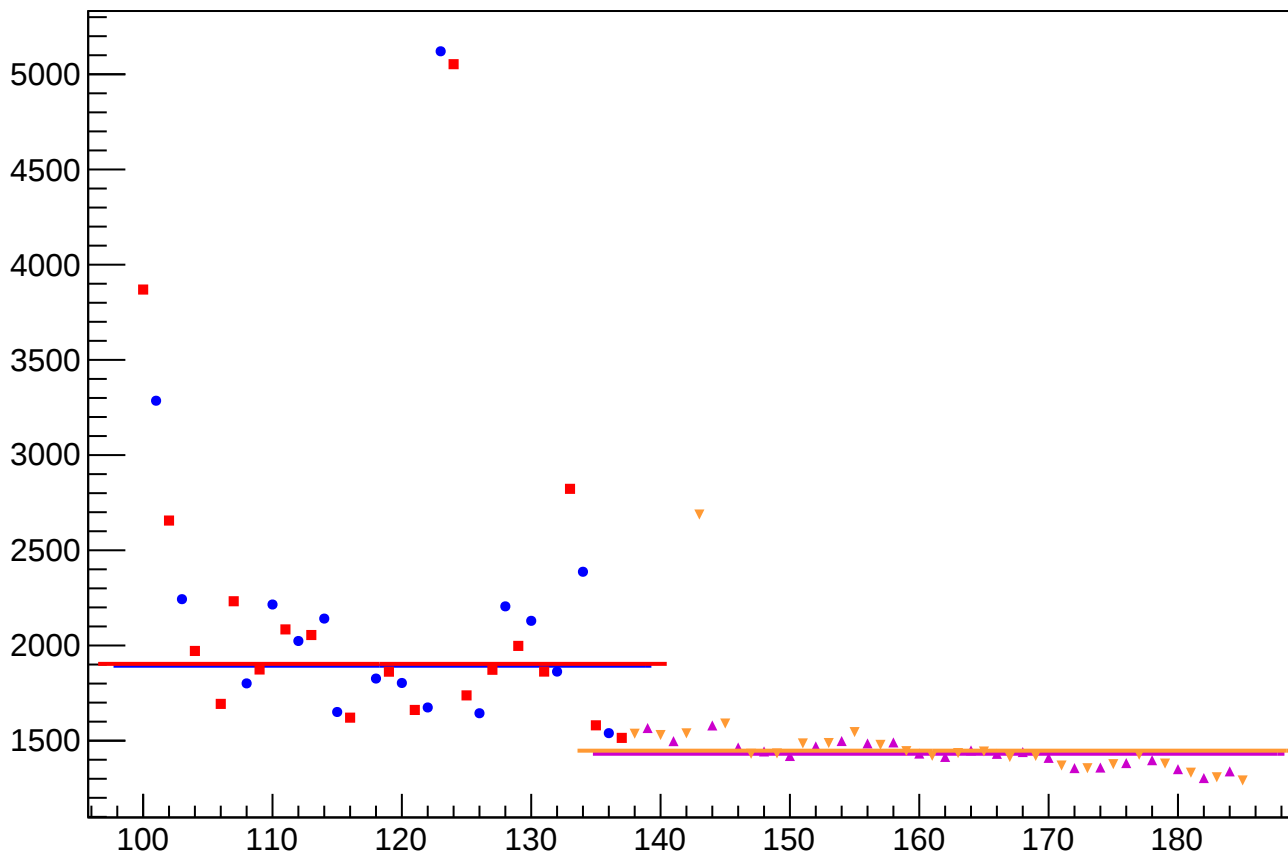
Right: -108.893+/-526.306 χ^2/NDF : 32.6/35

In: -75.485+/-312.630 χ^2/NDF : 41.9/39

Out: -841.998+/-308.323 χ^2/NDF : 39.4/43

All: -464.058+/-219.524 χ^2/NDF : 84.3/83

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1893.797 $\pm$ 0.532 χ^2 /NDF: 466447.3/16

Left Out: 1447.592 $\pm$ 0.240 χ^2 /NDF: 419174.8/24

Right Out: 1903.476 $\pm$ 0.520 χ^2 /NDF: 460230.4/18

Left In: 1431.456 $\pm$ 0.243 χ^2 /NDF: 75130.4/22

Left: 1439.621 $\pm$ 0.171 χ^2 /NDF: 496536.6/47

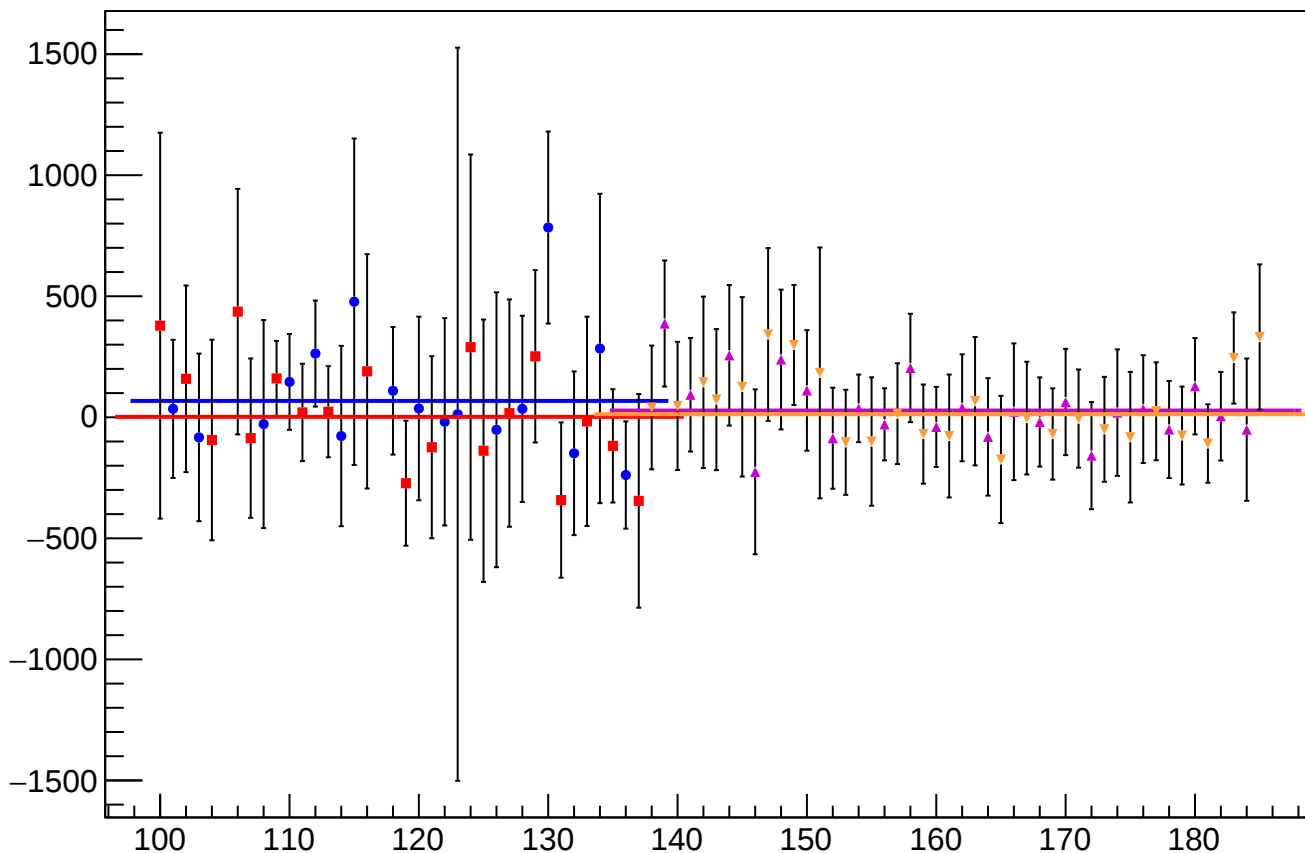
Right: 1898.746 $\pm$ 0.372 χ^2 /NDF: 926846.7/35

In: 1511.185 $\pm$ 0.221 χ^2 /NDF: 1165810.5/39

Out: 1527.586 $\pm$ 0.218 χ^2 /NDF: 1512015.6/43

All: 1519.499 $\pm$ 0.155 χ^2 /NDF: 2680616.4/83

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.747 $\pm$ 79.837 χ^2 /NDF: 7.5/16

Left Out: 12.719 $\pm$ 47.498 χ^2 /NDF: 7.7/24

Right Out: 2.060 $\pm$ 70.020 χ^2 /NDF: 6.4/18

Left In: 27.921 $\pm$ 44.523 χ^2 /NDF: 6.5/22

Left: 20.811 $\pm$ 32.483 χ^2 /NDF: 14.3/47

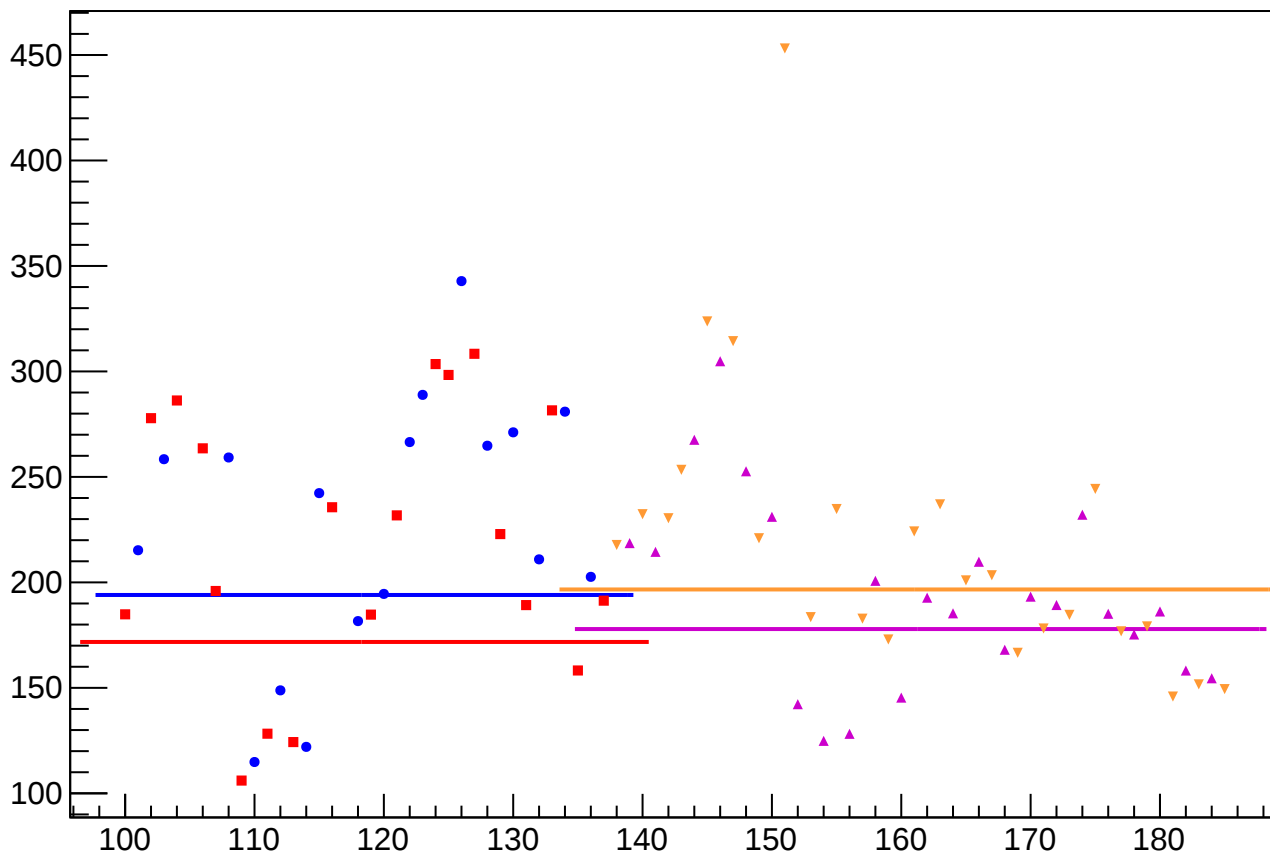
Right: 30.619 $\pm$ 52.642 χ^2 /NDF: 14.4/35

In: 37.369 $\pm$ 38.885 χ^2 /NDF: 14.3/39

Out: 9.360 $\pm$ 39.307 χ^2 /NDF: 14.1/43

All: 23.515 $\pm$ 27.644 χ^2 /NDF: 28.7/83

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.032 $\pm$ 0.056 χ^2 /NDF: 1011944.3/16

Left Out: 196.645 $\pm$ 0.034 χ^2 /NDF: 1792381.0/24

Right Out: 171.760 $\pm$ 0.050 χ^2 /NDF: 1571617.5/18

Left In: 177.878 $\pm$ 0.031 χ^2 /NDF: 1644086.7/22

Left: 186.655 $\pm$ 0.023 χ^2 /NDF: 3602666.2/47

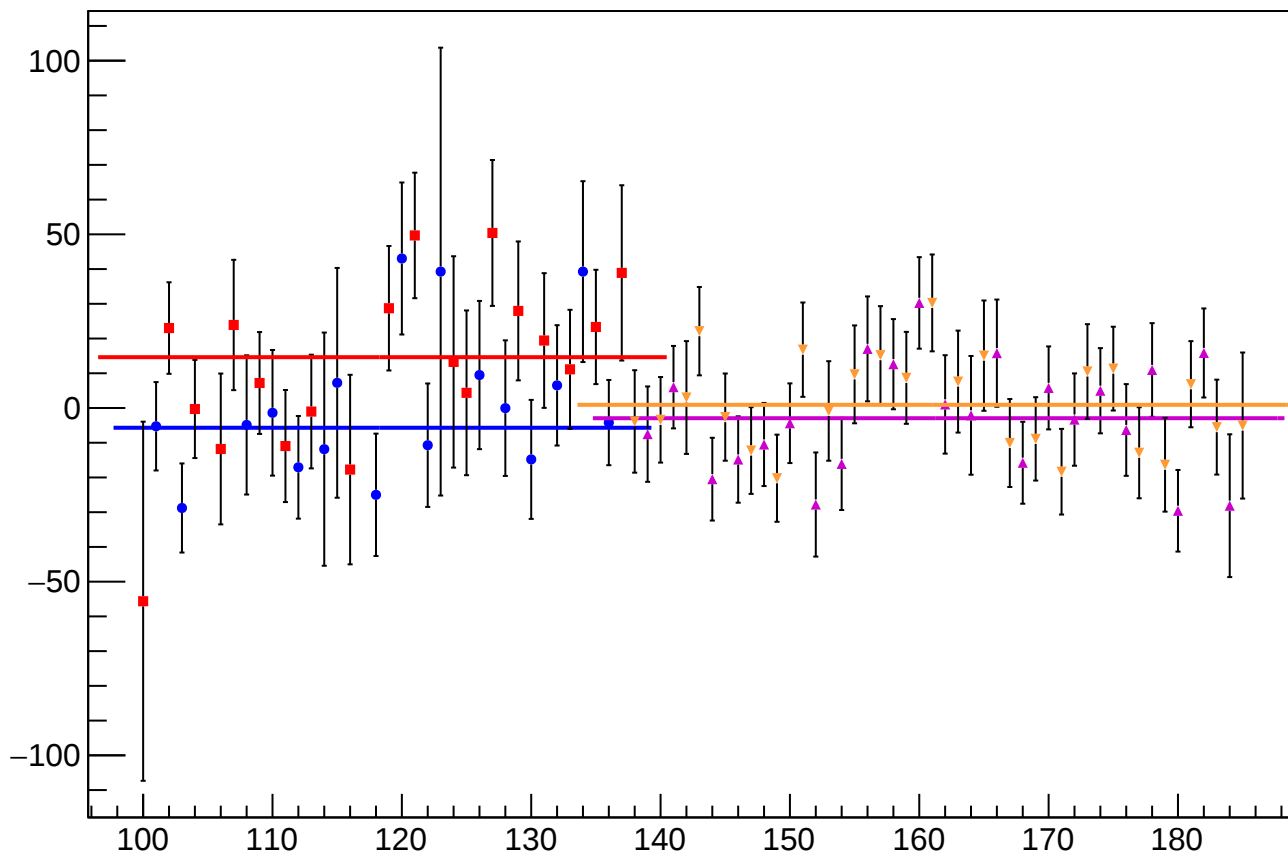
Right: 181.444 $\pm$ 0.037 χ^2 /NDF: 2671535.4/35

In: 181.710 $\pm$ 0.027 χ^2 /NDF: 2718490.7/39

Out: 188.803 $\pm$ 0.028 χ^2 /NDF: 3536996.4/43

All: 185.218 $\pm$ 0.020 χ^2 /NDF: 6288399.3/83

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.687 ± 4.361 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 0.912 ± 2.696 $\chi^2/\text{NDF}: 24.0/24$

Right Out: 14.630 ± 4.271 $\chi^2/\text{NDF}: 19.4/18$

Left In: -2.941 ± 2.745 $\chi^2/\text{NDF}: 31.0/22$

Left: -0.980 ± 1.924 $\chi^2/\text{NDF}: 56.0/47$

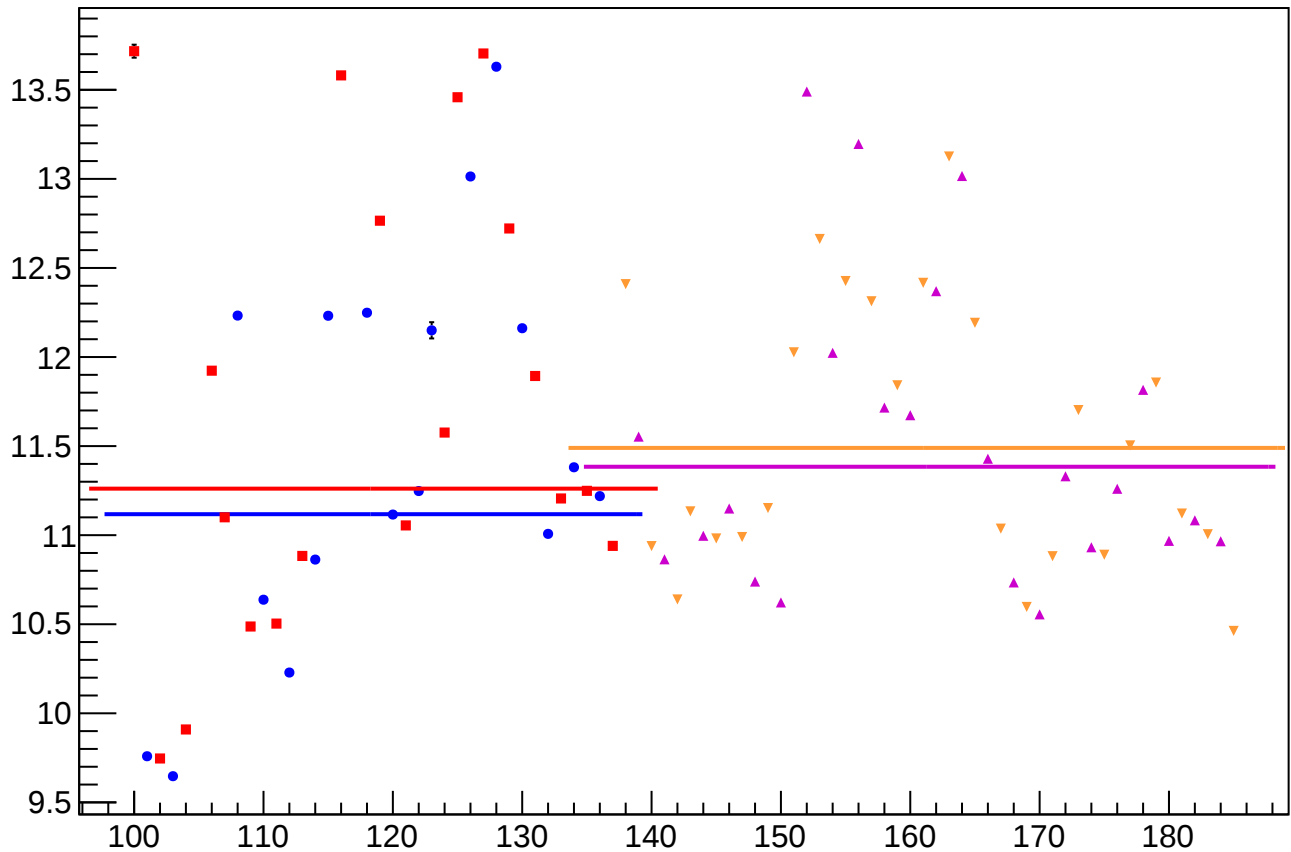
Right: 4.683 ± 3.052 $\chi^2/\text{NDF}: 45.7/35$

In: -3.720 ± 2.323 $\chi^2/\text{NDF}: 46.5/39$

Out: 4.821 ± 2.280 $\chi^2/\text{NDF}: 50.8/43$

All: 0.630 ± 1.627 $\chi^2/\text{NDF}: 104.2/83$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.118 $\pm$ 0.003 χ^2/NDF : 131951.0/16

Left Out: 11.490 $\pm$ 0.002 χ^2/NDF : 132397.0/24

Right Out: 11.261 $\pm$ 0.003 χ^2/NDF : 148698.3/18

Left In: 11.384 $\pm$ 0.002 χ^2/NDF : 149799.6/22

Left: 11.438 $\pm$ 0.001 χ^2/NDF : 283707.2/47

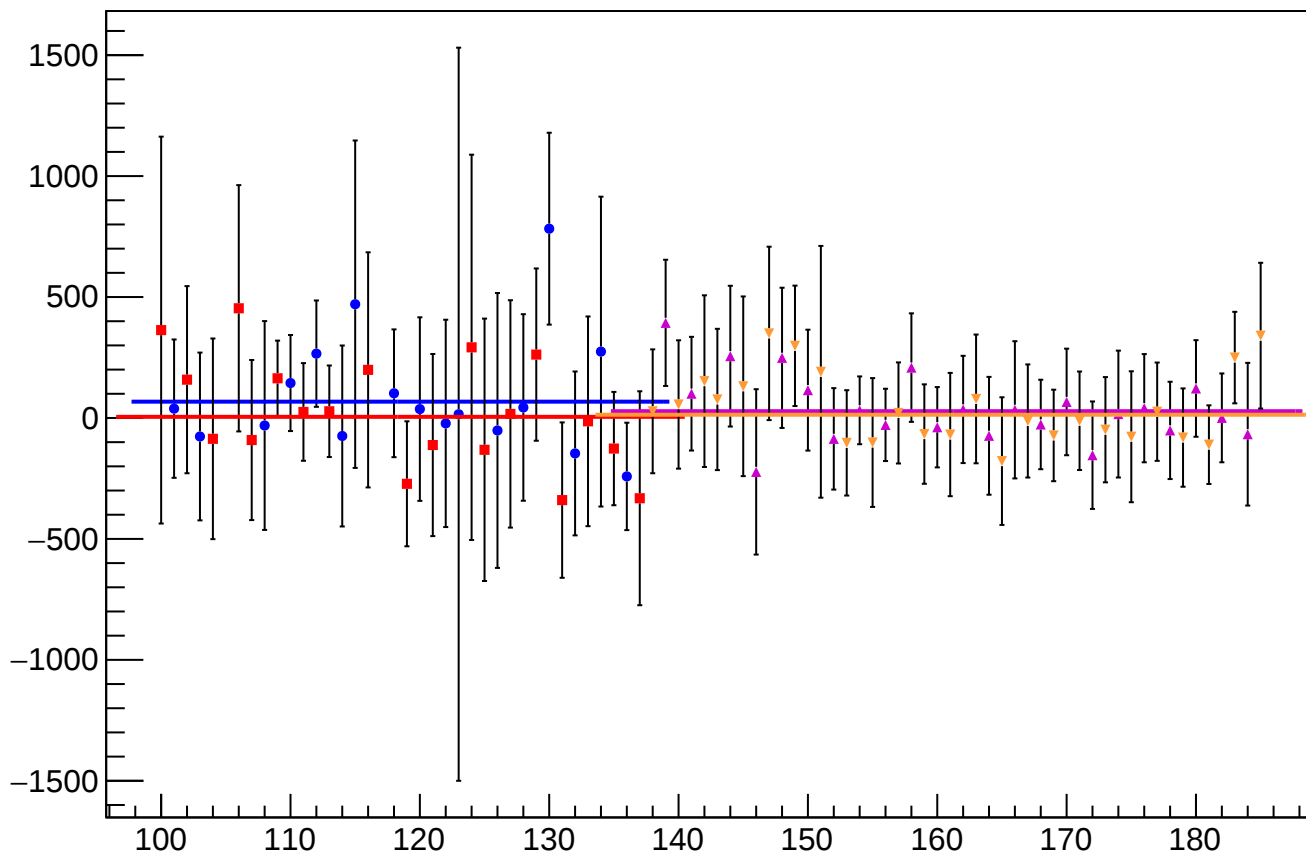
Right: 11.191 $\pm$ 0.002 χ^2/NDF : 281753.5/35

In: 11.309 $\pm$ 0.002 χ^2/NDF : 287094.4/39

Out: 11.425 $\pm$ 0.002 χ^2/NDF : 285194.2/43

All: 11.368 $\pm$ 0.001 χ^2/NDF : 574835.6/83

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.460 $\pm$ 80.048 χ^2 /NDF: 7.5/16

Left Out: 13.439 $\pm$ 47.674 χ^2 /NDF: 7.9/24

Right Out: 4.719 $\pm$ 70.224 χ^2 /NDF: 6.5/18

Left In: 28.050 $\pm$ 44.681 χ^2 /NDF: 6.6/22

Left: 21.217 $\pm$ 32.601 χ^2 /NDF: 14.6/47

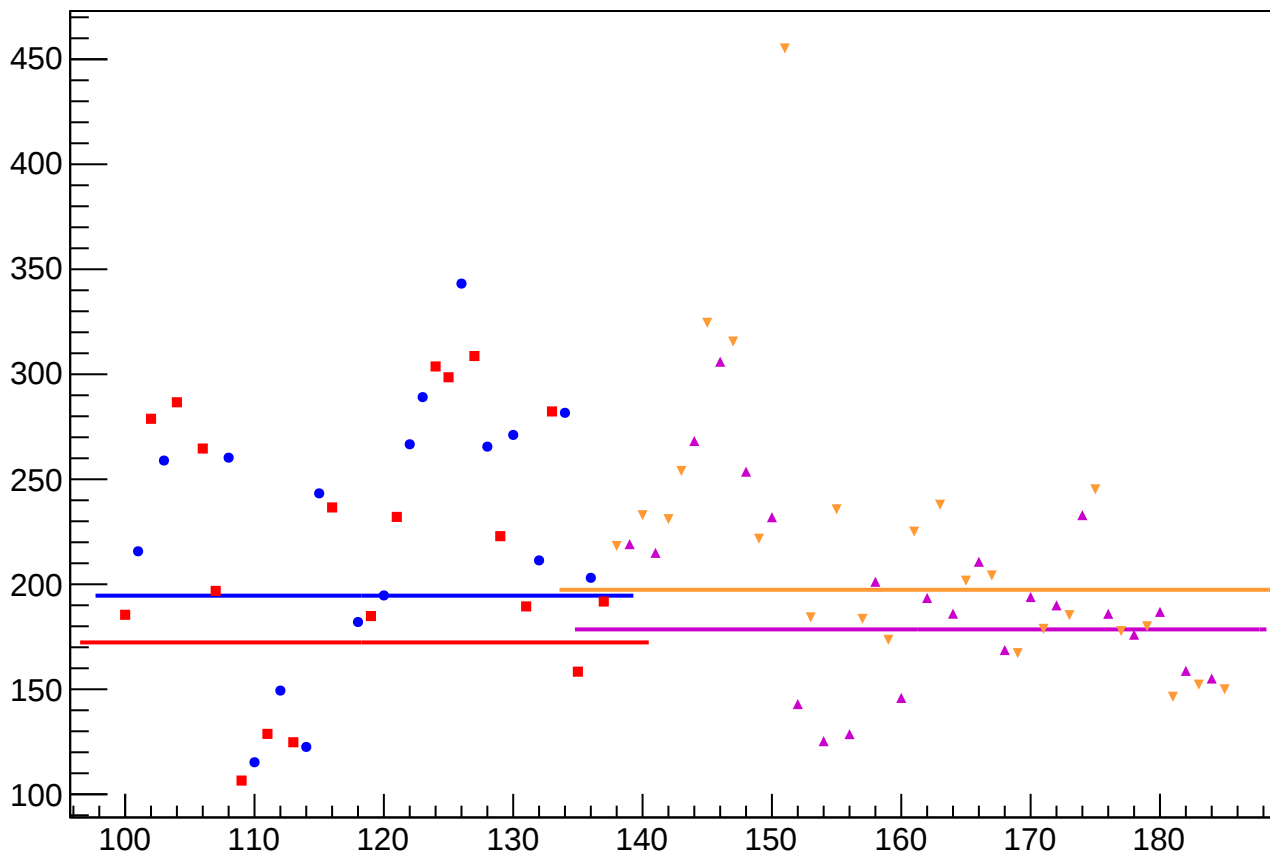
Right: 32.005 $\pm$ 52.789 χ^2 /NDF: 14.4/35

In: 37.412 $\pm$ 39.015 χ^2 /NDF: 14.3/39

Out: 10.688 $\pm$ 39.443 χ^2 /NDF: 14.4/43

All: 24.196 $\pm$ 27.738 χ^2 /NDF: 29.0/83

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.582 $\pm$ 0.057 χ^2 /NDF: 1006984.2/16

Left Out: 197.380 $\pm$ 0.034 χ^2 /NDF:1789702.6/24

Right Out: 172.312 $\pm$ 0.050 χ^2 /NDF: 1564323.1/18

Left In: 178.512 $\pm$ 0.032 χ^2 /NDF:1642304.1/22

Left: 187.336 $\pm$ 0.023 χ^2 /NDF: 3598789.4/47

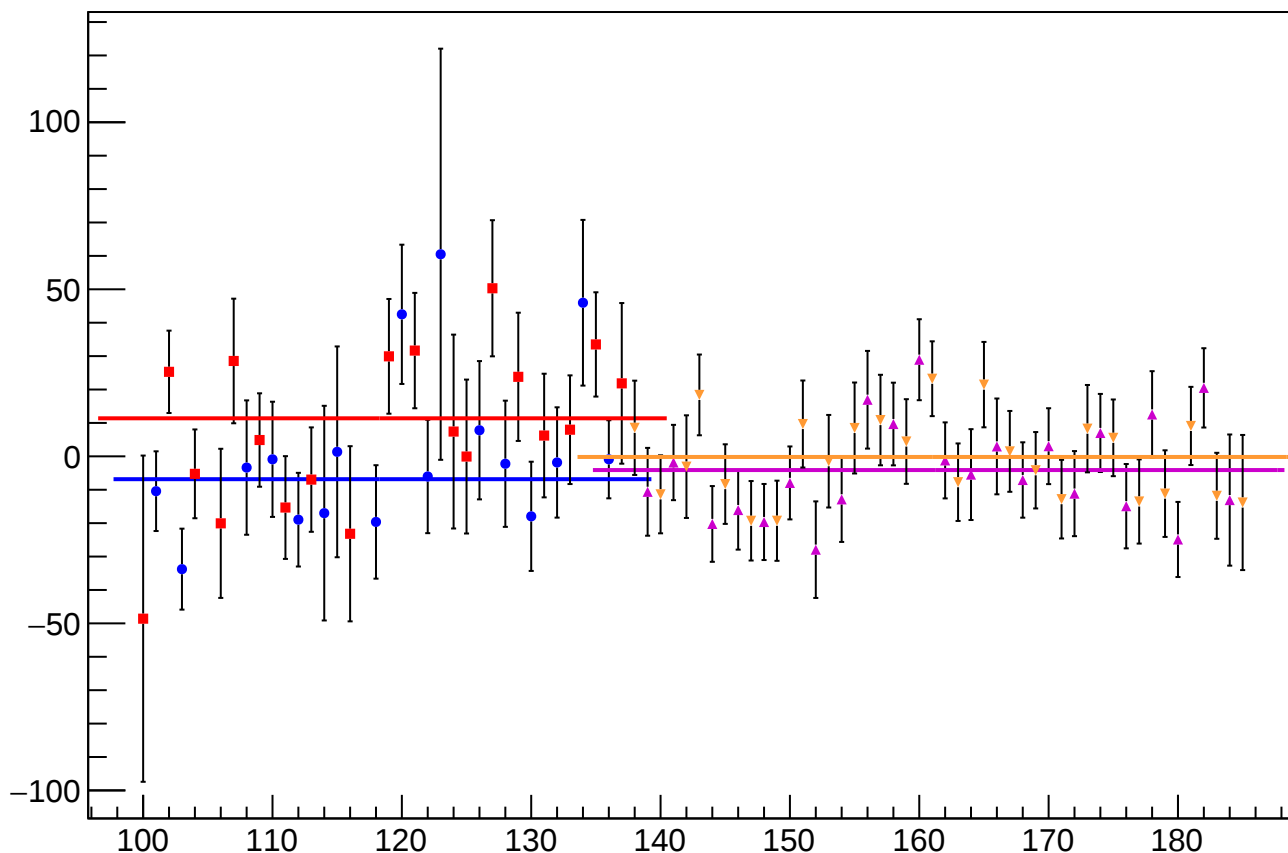
Right: 181.998 $\pm$ 0.037 χ^2 /NDF: 2658784.2/35

In: 182.330 $\pm$ 0.028 χ^2 /NDF:2710748.6/39

Out: 189.472 $\pm$ 0.028 χ^2 /NDF:3528479.5/43

All: 185.862 $\pm$ 0.020 χ^2 /NDF: 6272375.8/83

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.841 $\pm$ 4.162 χ^2/NDF : 19.4/16

Left Out: -0.186 $\pm$ 2.521 χ^2/NDF : 24.4/24

Right Out: 11.383 $\pm$ 4.086 χ^2/NDF : 22.7/18

Left In: -4.107 $\pm$ 2.577 χ^2/NDF : 31.5/22

Left: -2.103 $\pm$ 1.802 χ^2/NDF : 57.2/47

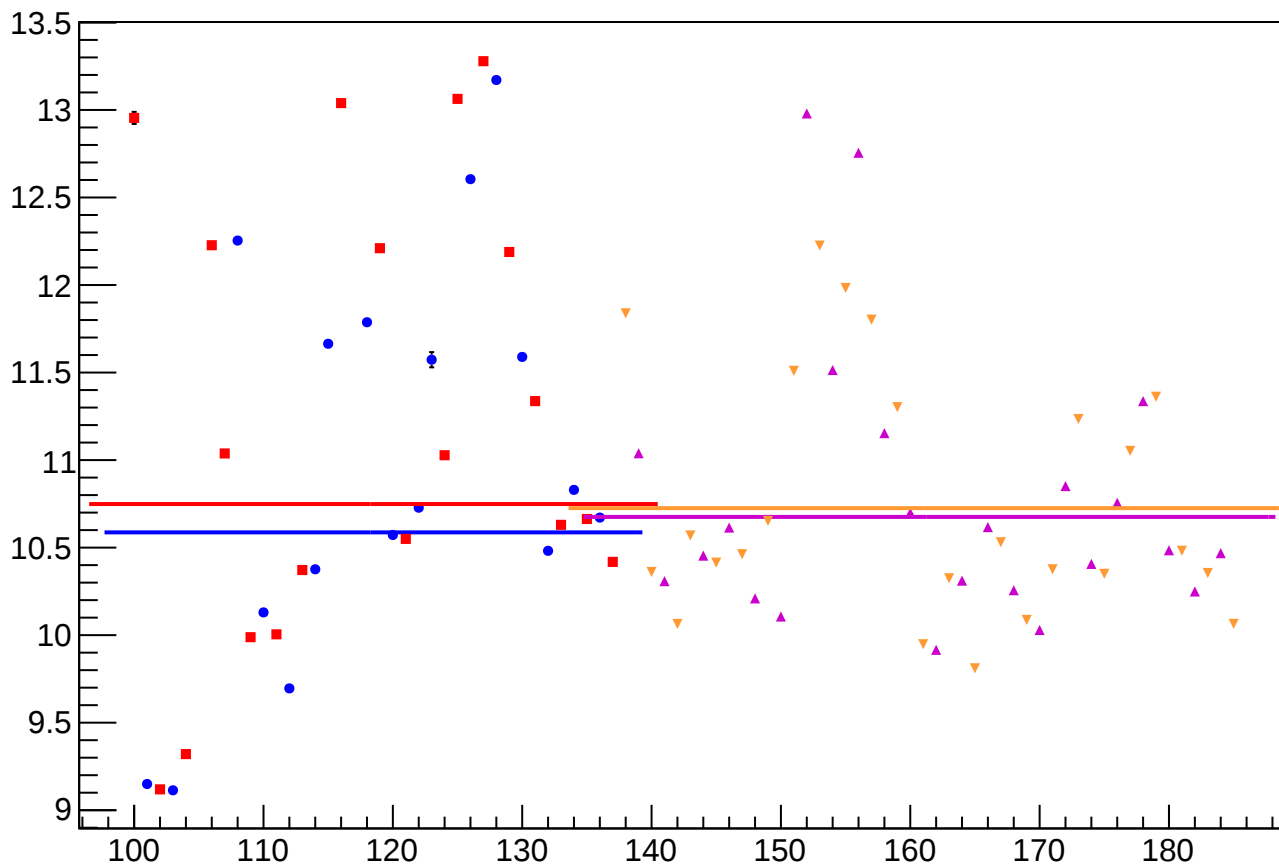
Right: 2.439 $\pm$ 2.915 χ^2/NDF : 51.9/35

In: -4.865 $\pm$ 2.191 χ^2/NDF : 51.2/39

Out: 3.004 $\pm$ 2.145 χ^2/NDF : 53.0/43

All: -0.847 $\pm$ 1.533 χ^2/NDF : 110.8/83

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.587 $\pm$ 0.003 χ^2 /NDF: 159222.7/16

Left Out: 10.725 $\pm$ 0.002 χ^2 /NDF:132182.9/24

Right Out: 10.749 $\pm$ 0.003 χ^2 /NDF: 178183.6/18

Left In: 10.675 $\pm$ 0.002 χ^2 /NDF:145938.2/22

Left: 10.701 $\pm$ 0.001 χ^2 /NDF: 278506.3/47

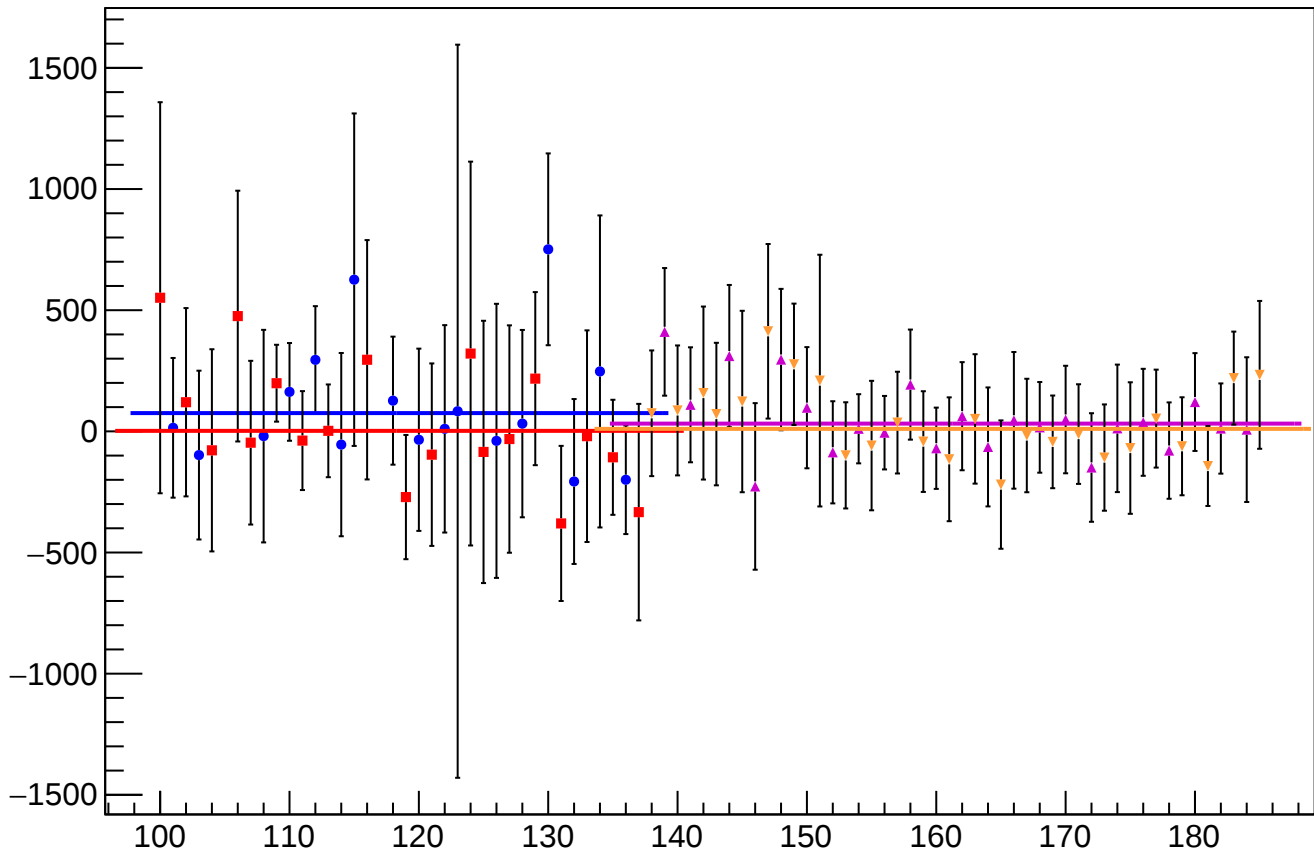
Right: 10.669 $\pm$ 0.002 χ^2 /NDF: 338945.8/35

In: 10.651 $\pm$ 0.002 χ^2 /NDF:305812.8/39

Out: 10.732 $\pm$ 0.002 χ^2 /NDF:310414.0/43

All: 10.692 $\pm$ 0.001 χ^2 /NDF: 617621.6/83

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.370+/-80.583 χ^2/NDF : 7.7/16

Left Out: 10.253+/-47.990 χ^2/NDF : 7.6/24

Right Out: 2.048+/-70.896 χ^2/NDF : 7.3/18

Left In: 31.989+/-45.038 χ^2/NDF : 7.2/22

Left: 21.810+/-32.841 χ^2/NDF : 14.9/47

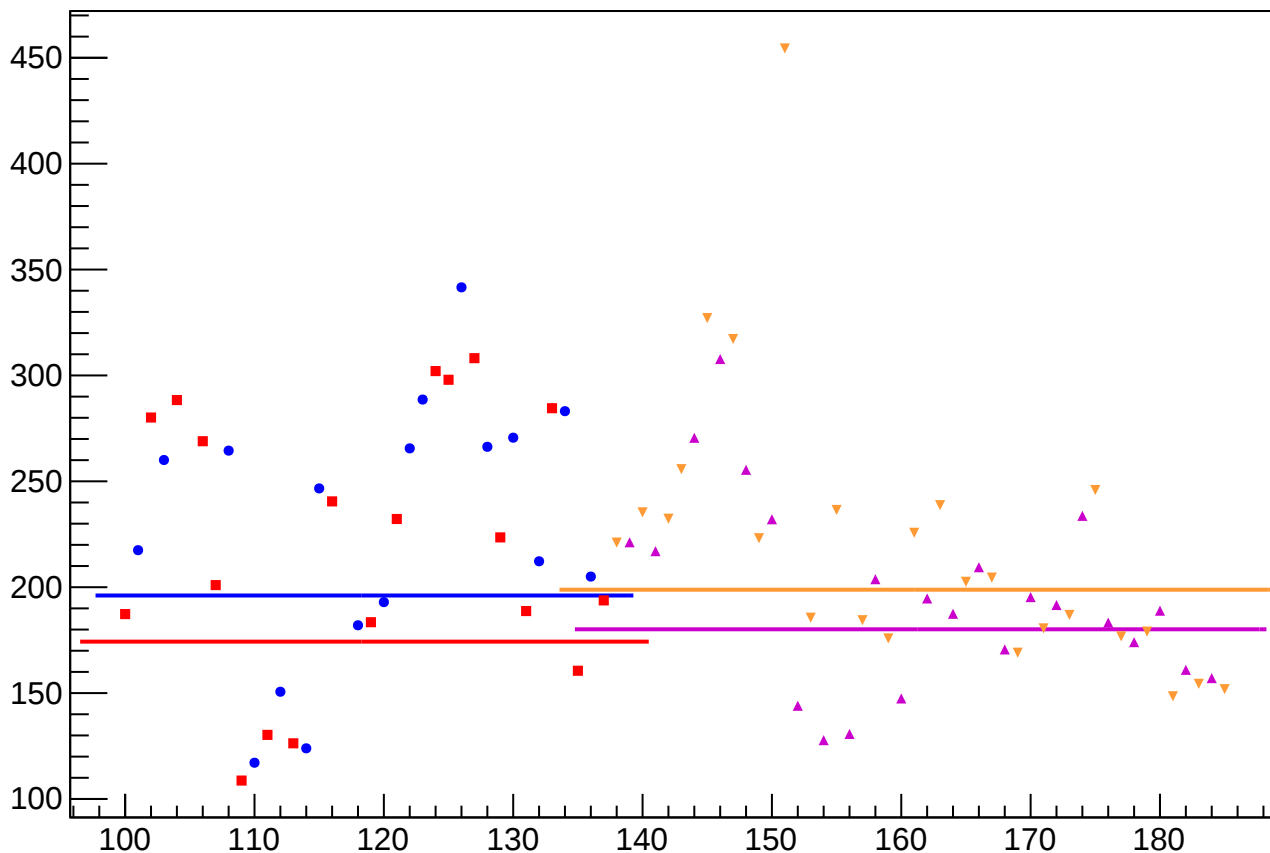
Right: 34.039+/-53.228 χ^2/NDF : 15.5/35

In: 42.314+/-39.315 χ^2/NDF : 15.1/39

Out: 7.675+/-39.741 χ^2/NDF : 15.0/43

All: 25.182+/-27.949 χ^2/NDF : 30.4/83

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.085 $\pm$ 0.057 χ^2 /NDF: 981134.1/16

Left Out: 198.825 $\pm$ 0.034 χ^2 /NDF:1762048.4/24

Right Out: 174.302 $\pm$ 0.050 χ^2 /NDF: 1523885.0/18

Left In: 180.123 $\pm$ 0.032 χ^2 /NDF:1593842.6/22

Left: 188.881 $\pm$ 0.023 χ^2 /NDF: 3517385.4/47

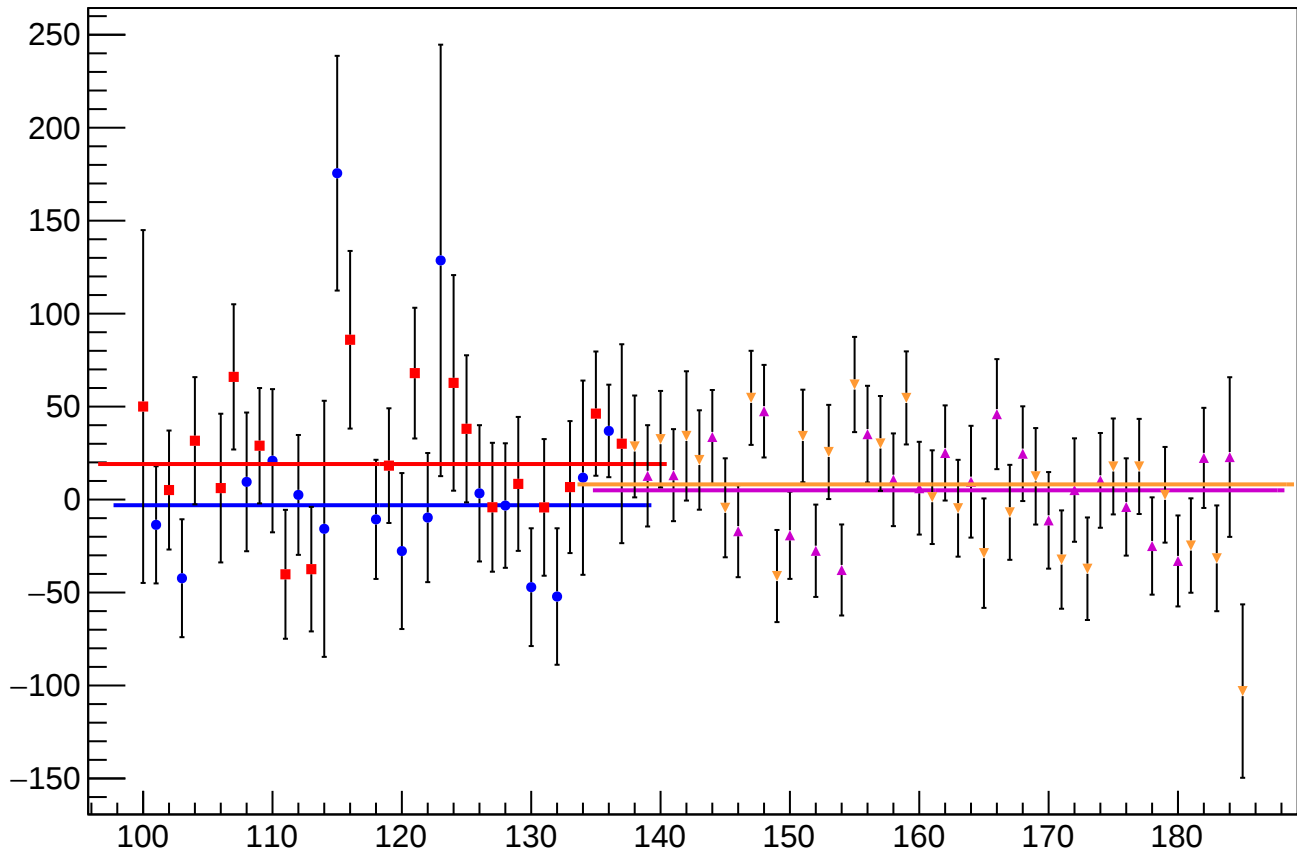
Right: 183.806 $\pm$ 0.038 χ^2 /NDF: 2587403.7/35

In: 183.922 $\pm$ 0.028 χ^2 /NDF:2634773.0/39

Out: 191.119 $\pm$ 0.028 χ^2 /NDF:3450039.3/43

All: 187.482 $\pm$ 0.020 χ^2 /NDF: 6117957.6/83

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.043 ± 8.901 χ^2/NDF : 18.4/16

Left Out: 8.169 ± 5.328 χ^2/NDF : 36.9/24

Right Out: 19.112 ± 8.574 χ^2/NDF : 14.3/18

Left In: 4.973 ± 5.444 χ^2/NDF : 20.5/22

Left: 6.606 ± 3.808 χ^2/NDF : 57.6/47

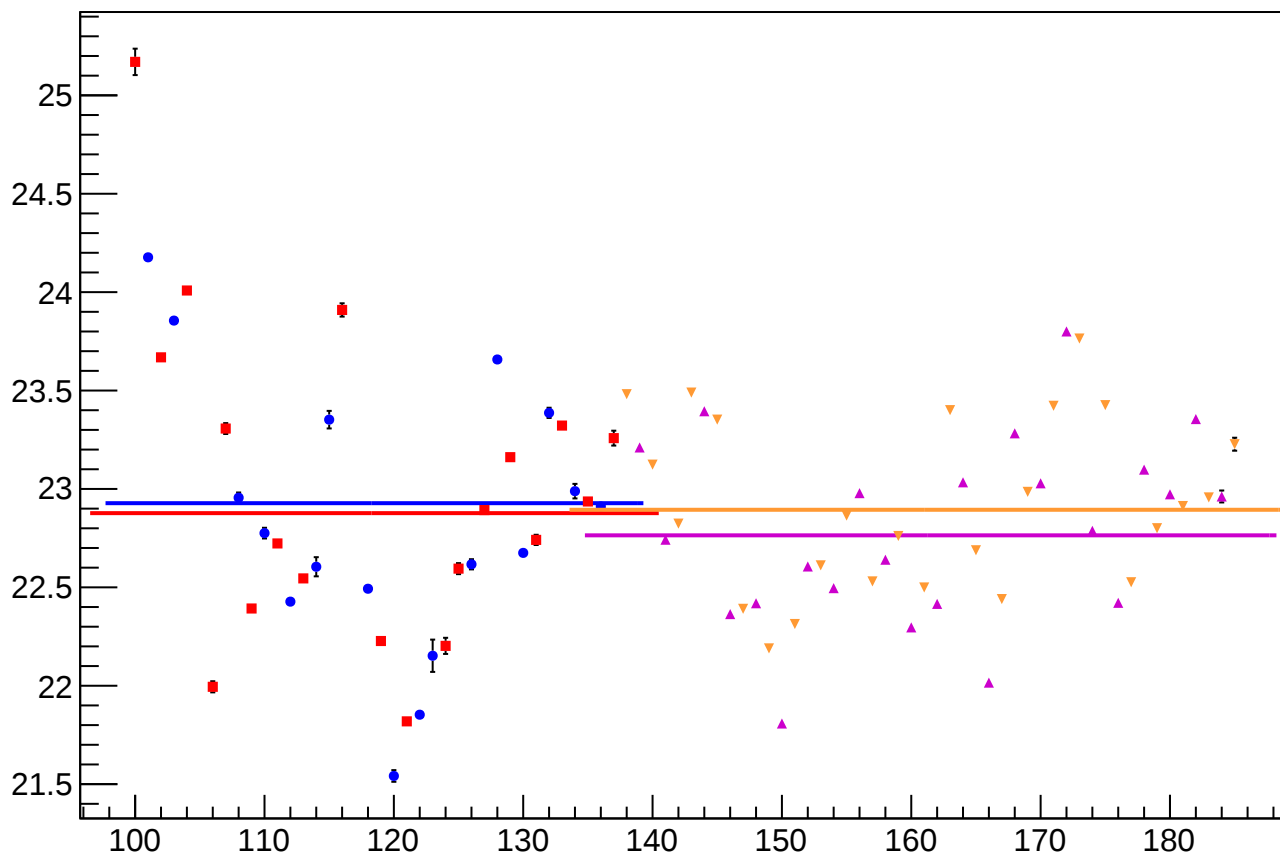
Right: 8.449 ± 6.175 χ^2/NDF : 35.9/35

In: 2.790 ± 4.644 χ^2/NDF : 39.4/39

Out: 11.217 ± 4.525 χ^2/NDF : 52.4/43

All: 7.113 ± 3.241 χ^2/NDF : 93.5/83

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.928 $\pm$ 0.006 χ^2 /NDF: 11600.9/16

Left Out: 22.894 $\pm$ 0.004 χ^2 /NDF:13070.8/24

Right Out: 22.877 $\pm$ 0.006 χ^2 /NDF: 11098.9/18

Left In: 22.764 $\pm$ 0.004 χ^2 /NDF:14665.7/22

Left: 22.831 $\pm$ 0.003 χ^2 /NDF: 28317.8/47

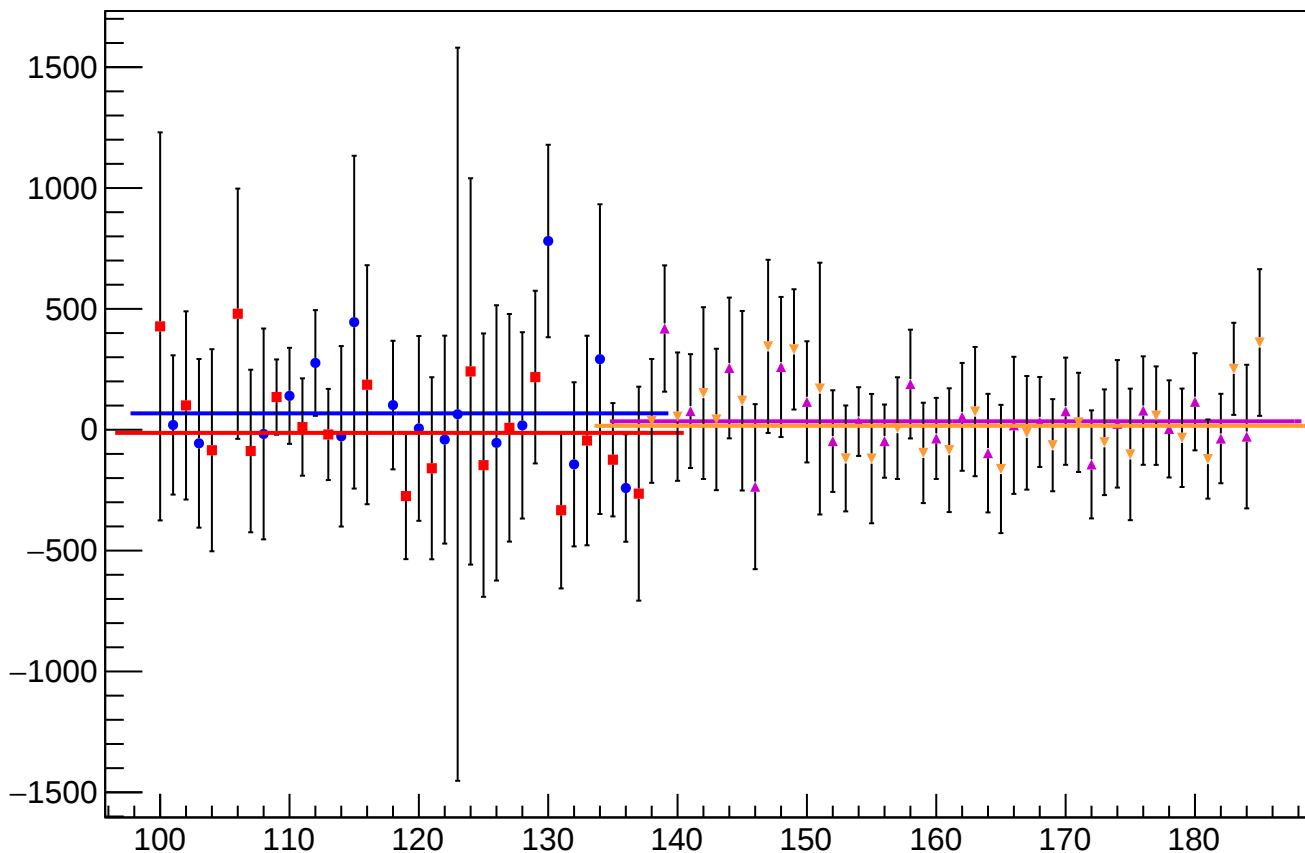
Right: 22.901 $\pm$ 0.004 χ^2 /NDF: 22733.3/35

In: 22.809 $\pm$ 0.003 χ^2 /NDF:26756.9/39

Out: 22.889 $\pm$ 0.003 χ^2 /NDF:24175.4/43

All: 22.850 $\pm$ 0.002 χ^2 /NDF: 51241.5/83

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.779 $\pm$ 80.229 χ^2 /NDF: 7.4/16

Left Out: 16.173 $\pm$ 47.910 χ^2 /NDF:8.5/24

Right Out: -13.007 $\pm$ 70.398 χ^2 /NDF: 5.7/18

Left In: 34.919 $\pm$ 44.971 χ^2 /NDF:6.6/22

Left: 26.139 $\pm$ 32.789 χ^2 /NDF: 15.2/47

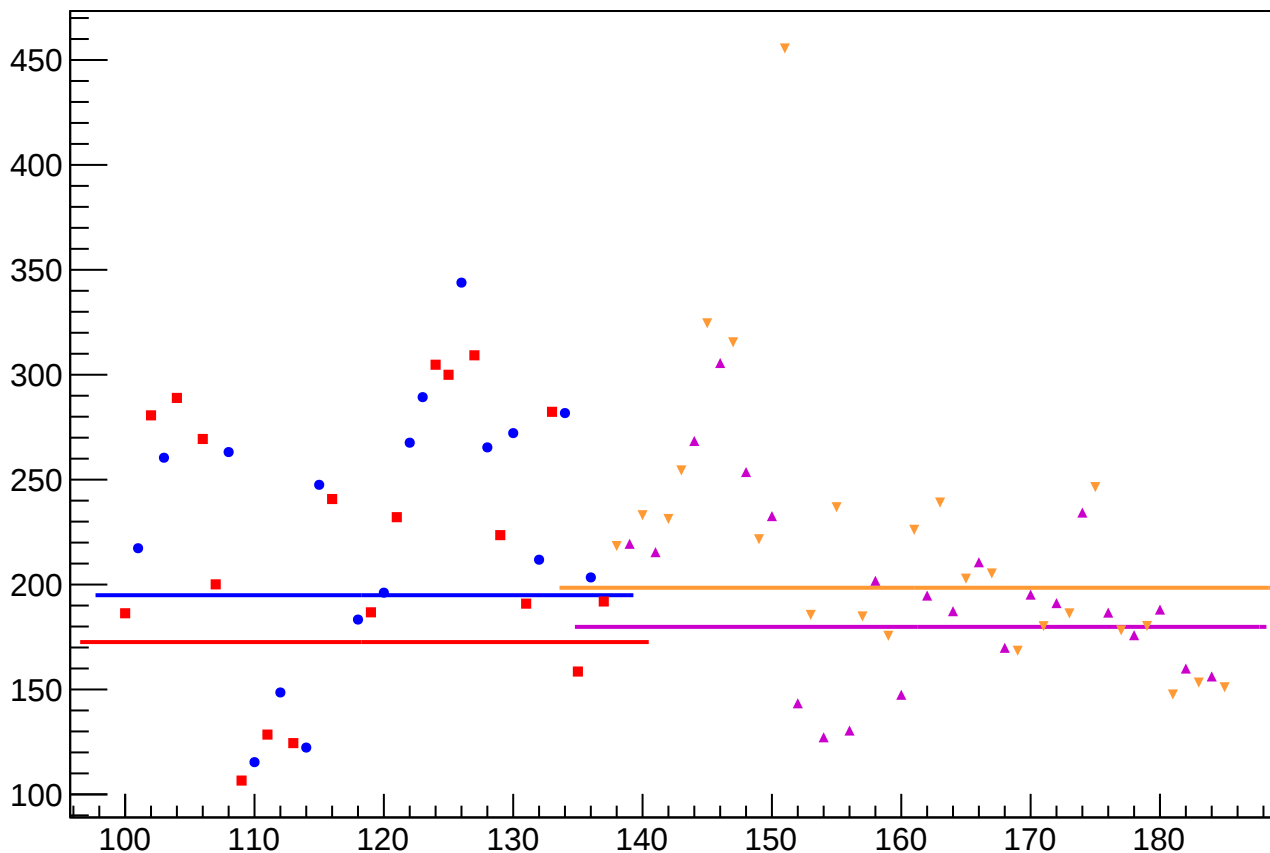
Right: 22.136 $\pm$ 52.915 χ^2 /NDF: 13.7/35

In: 42.775 $\pm$ 39.228 χ^2 /NDF:14.1/39

Out: 6.936 $\pm$ 39.608 χ^2 /NDF:14.3/43

All: 25.028 $\pm$ 27.872 χ^2 /NDF: 28.9/83

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.927 $\pm$ 0.057 χ^2 /NDF: 1021893.7/16

Left Out: 198.475 $\pm$ 0.034 χ^2 /NDF:1760349.4/24

Right Out: 172.594 $\pm$ 0.050 χ^2 /NDF: 1591420.0/18

Left In: 179.839 $\pm$ 0.032 χ^2 /NDF:1588834.3/22

Left: 188.568 $\pm$ 0.023 χ^2 /NDF: 3510047.0/47

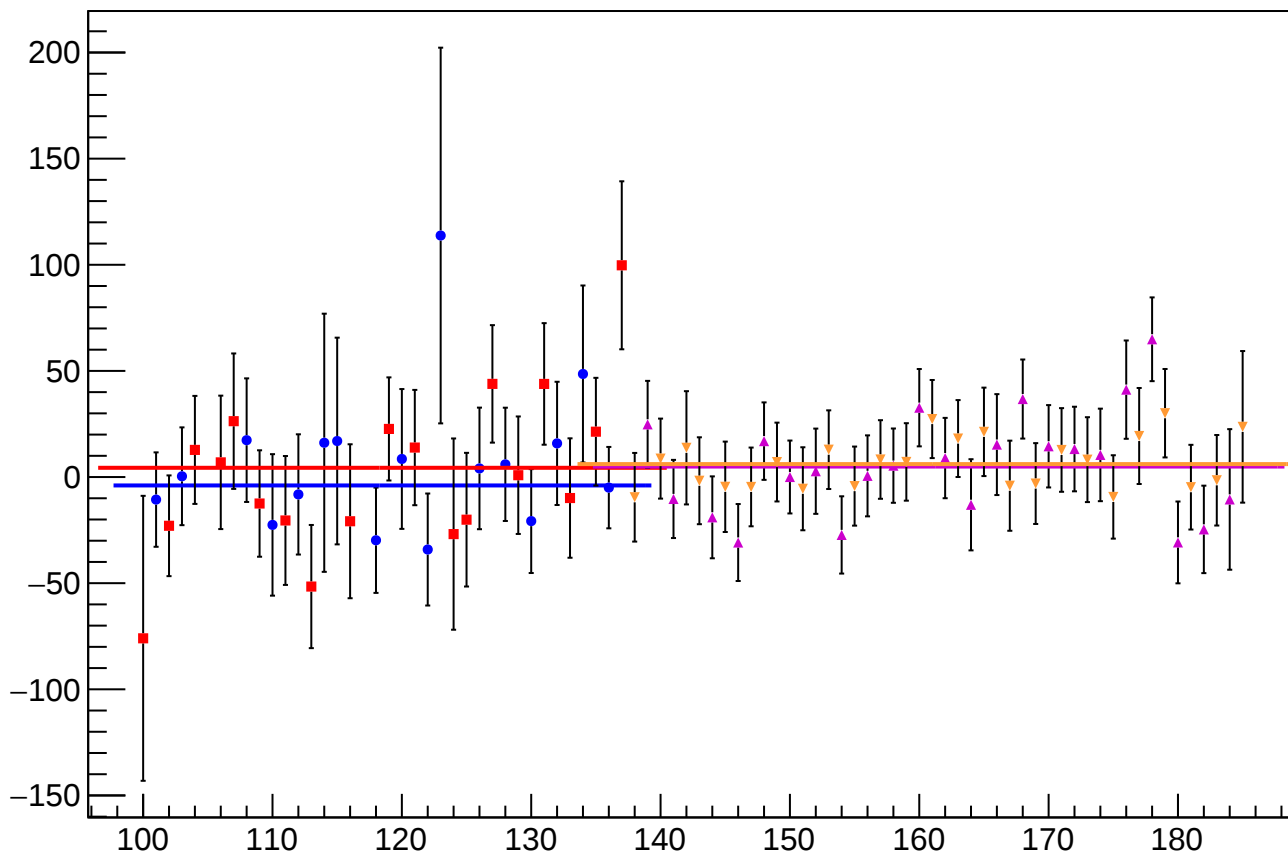
Right: 182.309 $\pm$ 0.037 χ^2 /NDF: 2700872.6/35

In: 183.446 $\pm$ 0.028 χ^2 /NDF:2664548.5/39

Out: 190.282 $\pm$ 0.028 χ^2 /NDF:3536514.7/43

All: 186.831 $\pm$ 0.020 χ^2 /NDF: 6231137.2/83

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.959 ± 6.931 χ^2/NDF : 8.3/16

Left Out: 6.098 ± 4.018 χ^2/NDF : 8.1/24

Right Out: 4.358 ± 6.742 χ^2/NDF : 20.9/18

Left In: 4.943 ± 4.108 χ^2/NDF : 34.8/22

Left: 5.533 ± 2.872 χ^2/NDF : 42.9/47

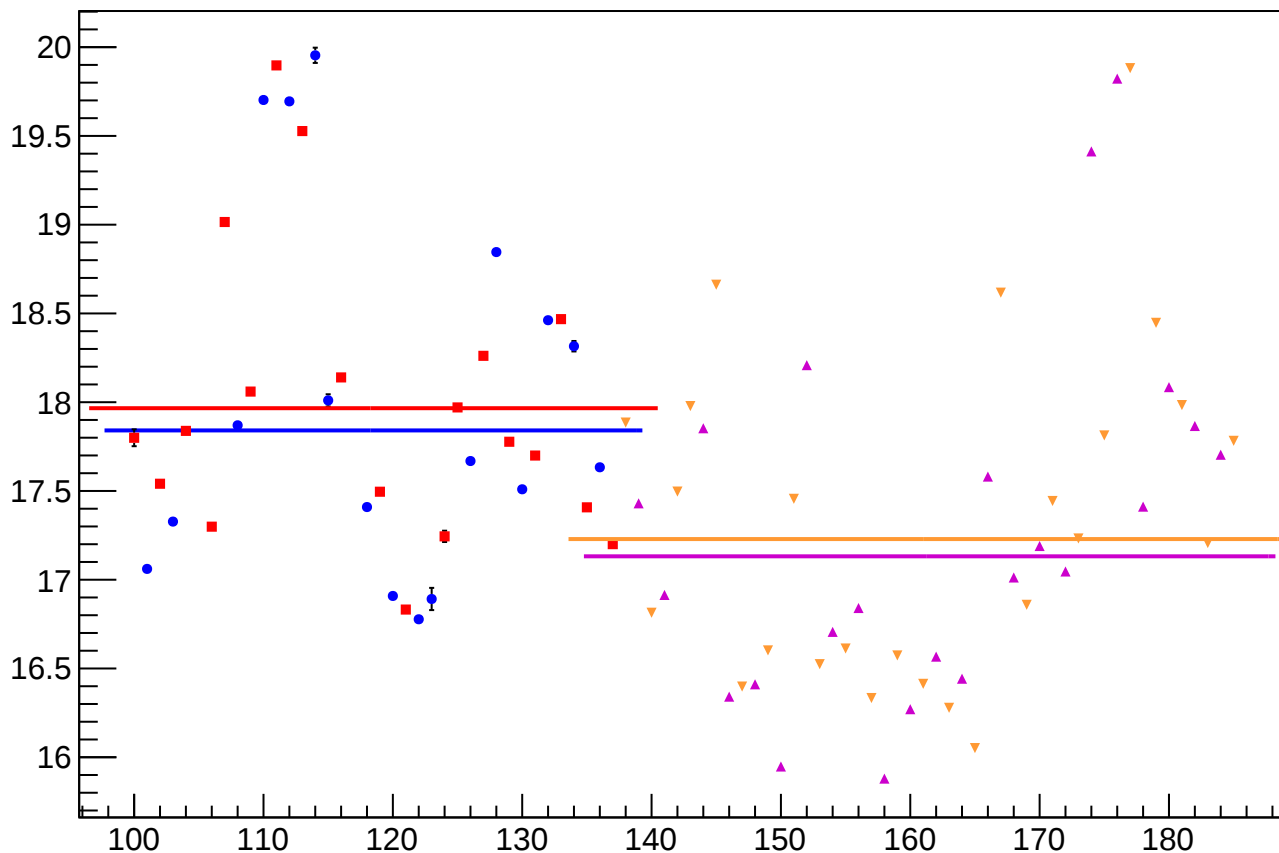
Right: 0.314 ± 4.833 χ^2/NDF : 30.0/35

In: 2.630 ± 3.534 χ^2/NDF : 44.4/39

Out: 5.642 ± 3.451 χ^2/NDF : 29.0/43

All: 4.171 ± 2.469 χ^2/NDF : 73.8/83

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.841 $\pm$ 0.005 χ^2 /NDF: 31077.0/16

Left Out: 17.229 $\pm$ 0.003 χ^2 /NDF:98625.1/24

Right Out: 17.966 $\pm$ 0.005 χ^2 /NDF: 25324.0/18

Left In: 17.132 $\pm$ 0.003 χ^2 /NDF:103997.3/22

Left: 17.182 $\pm$ 0.002 χ^2 /NDF: 203194.8/47

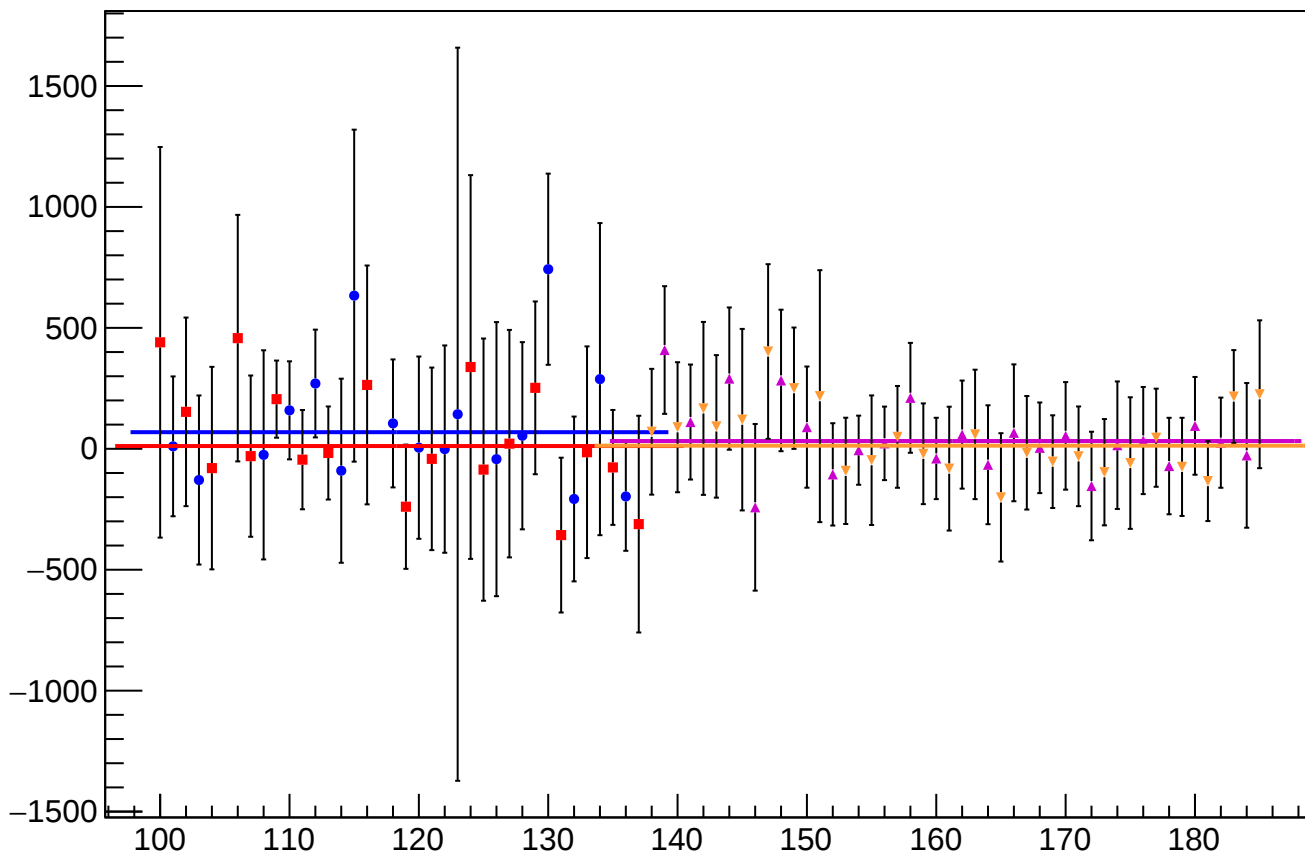
Right: 17.905 $\pm$ 0.003 χ^2 /NDF: 56736.1/35

In: 17.316 $\pm$ 0.002 χ^2 /NDF:150570.2/39

Out: 17.422 $\pm$ 0.002 χ^2 /NDF:141593.3/43

All: 17.370 $\pm$ 0.002 χ^2 /NDF: 293085.5/83

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.704 $\pm$ 80.783 χ^2 /NDF: 7.5/16

Left Out: 12.914 $\pm$ 48.098 χ^2 /NDF:6.9/24

Right Out: 11.402 $\pm$ 71.054 χ^2 /NDF: 6.7/18

Left In: 32.159 $\pm$ 45.131 χ^2 /NDF:6.9/22

Left: 23.149 $\pm$ 32.911 χ^2 /NDF: 14.0/47

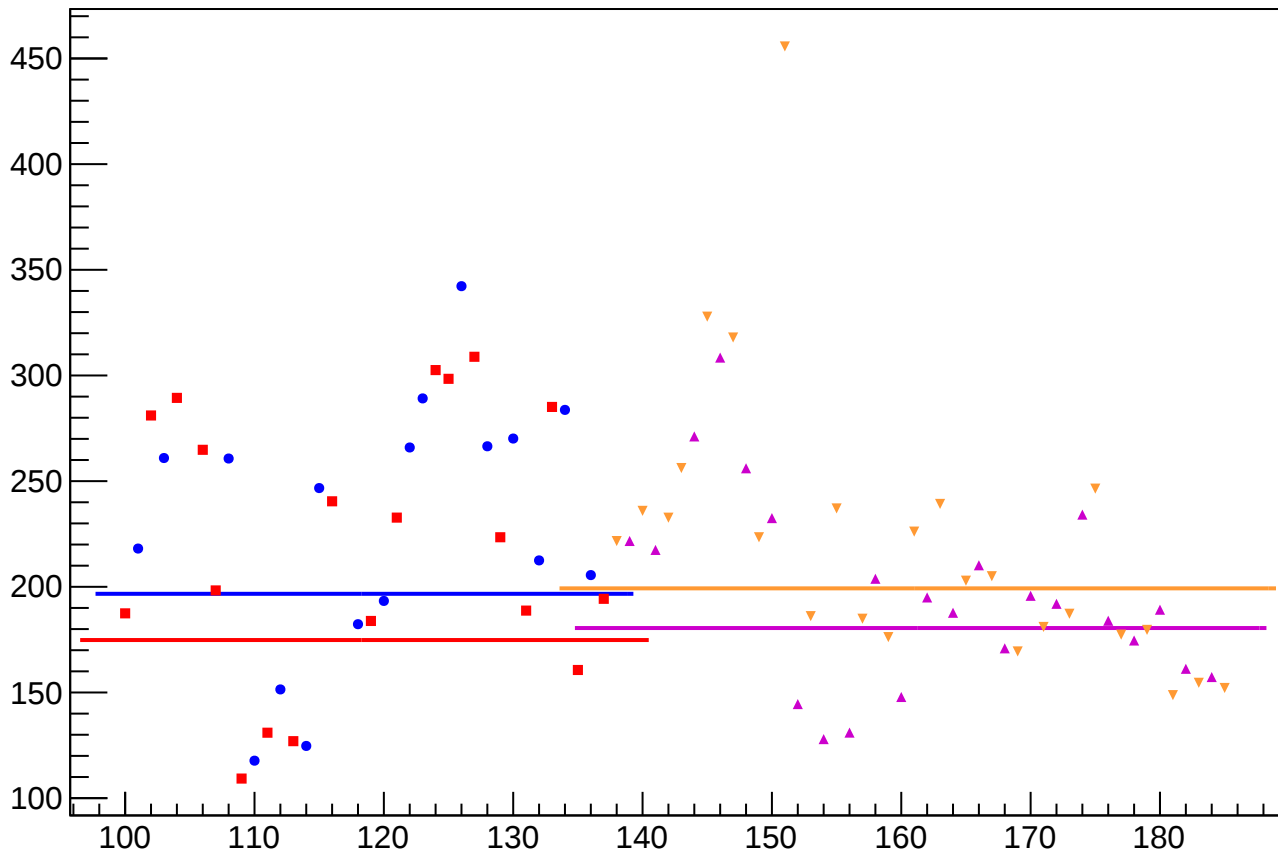
Right: 36.396 $\pm$ 53.352 χ^2 /NDF: 14.4/35

In: 40.852 $\pm$ 39.399 χ^2 /NDF:14.6/39

Out: 12.439 $\pm$ 39.830 χ^2 /NDF:13.6/43

All: 26.800 $\pm$ 28.011 χ^2 /NDF: 28.5/83

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.690 $\pm$ 0.057 χ^2 /NDF: 966153.1/16

Left Out: 199.266 $\pm$ 0.034 χ^2 /NDF:1763018.5/24

Right Out: 174.816 $\pm$ 0.050 χ^2 /NDF: 1506223.2/18

Left In: 180.494 $\pm$ 0.032 χ^2 /NDF:1593784.1/22

Left: 189.283 $\pm$ 0.023 χ^2 /NDF: 3518818.6/47

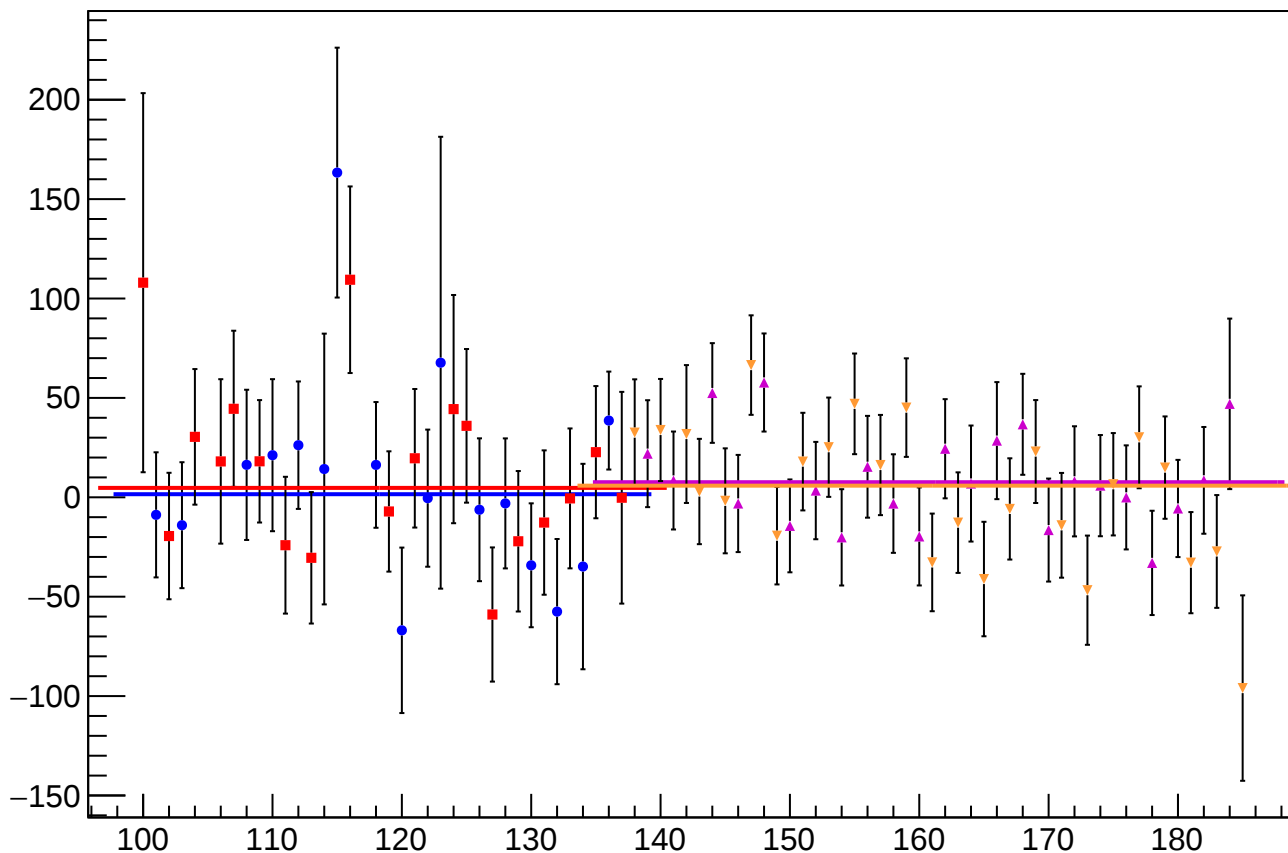
Right: 184.357 $\pm$ 0.038 χ^2 /NDF: 2555050.7/35

In: 184.346 $\pm$ 0.028 χ^2 /NDF:2621209.2/39

Out: 191.583 $\pm$ 0.028 χ^2 /NDF:3431637.4/43

All: 187.925 $\pm$ 0.020 χ^2 /NDF: 6086217.3/83

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.556 $\pm$ 8.826 χ^2 /NDF: 18.0/16

Left Out: 5.853 $\pm$ 5.279 χ^2 /NDF:36.0/24

Right Out: 4.732 $\pm$ 8.498 χ^2 /NDF: 16.6/18

Left In: 7.594 $\pm$ 5.402 χ^2 /NDF:18.3/22

Left: 6.703 $\pm$ 3.775 χ^2 /NDF: 54.3/47

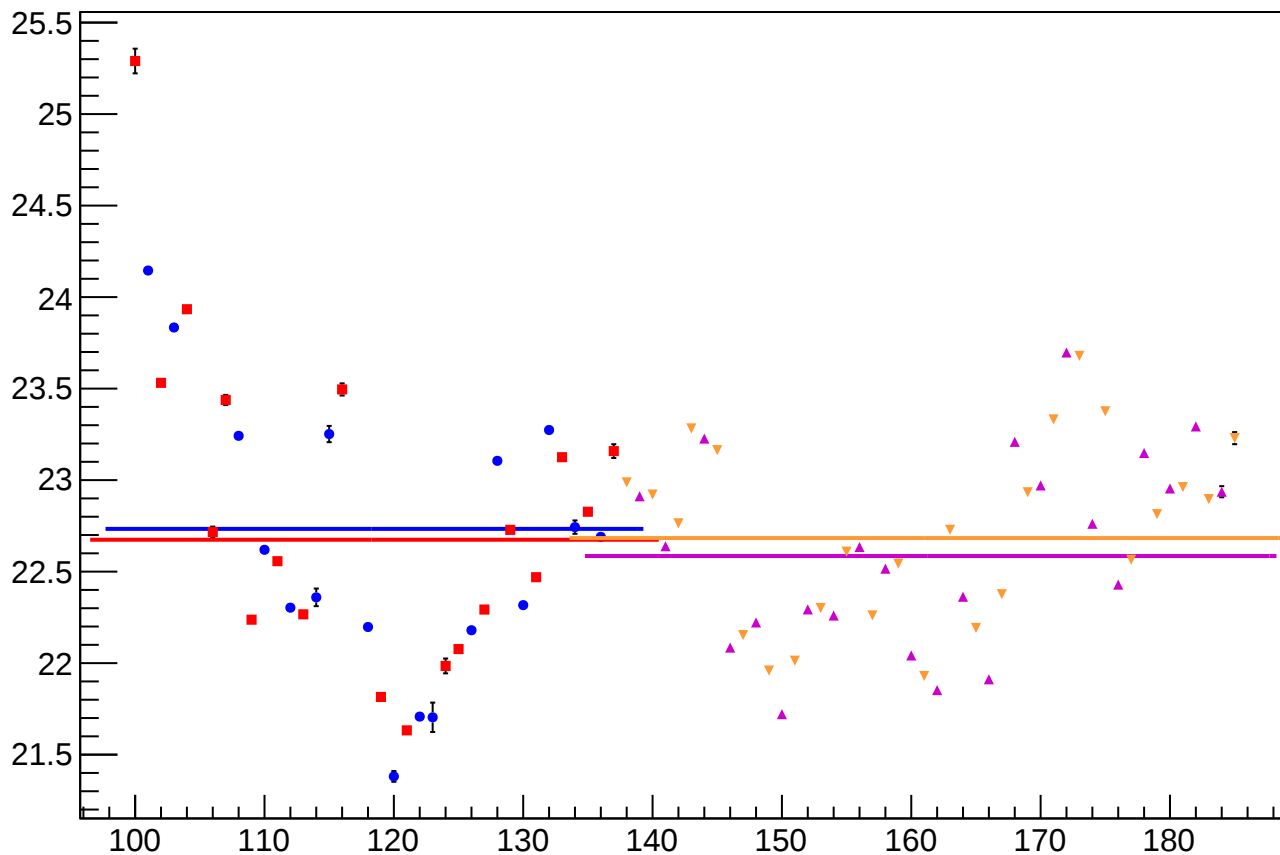
Right: 3.204 $\pm$ 6.121 χ^2 /NDF: 34.7/35

In: 5.948 $\pm$ 4.607 χ^2 /NDF:36.7/39

Out: 5.541 $\pm$ 4.484 χ^2 /NDF:52.6/43

All: 5.739 $\pm$ 3.213 χ^2 /NDF: 89.3/83

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.734 $\pm$ 0.006 χ^2 /NDF: 13530.3/16

Left Out: 22.683 $\pm$ 0.004 χ^2 /NDF:16316.9/24

Right Out: 22.674 $\pm$ 0.006 χ^2 /NDF: 12809.0/18

Left In: 22.585 $\pm$ 0.004 χ^2 /NDF:18087.5/22

Left: 22.635 $\pm$ 0.003 χ^2 /NDF: 34742.0/47

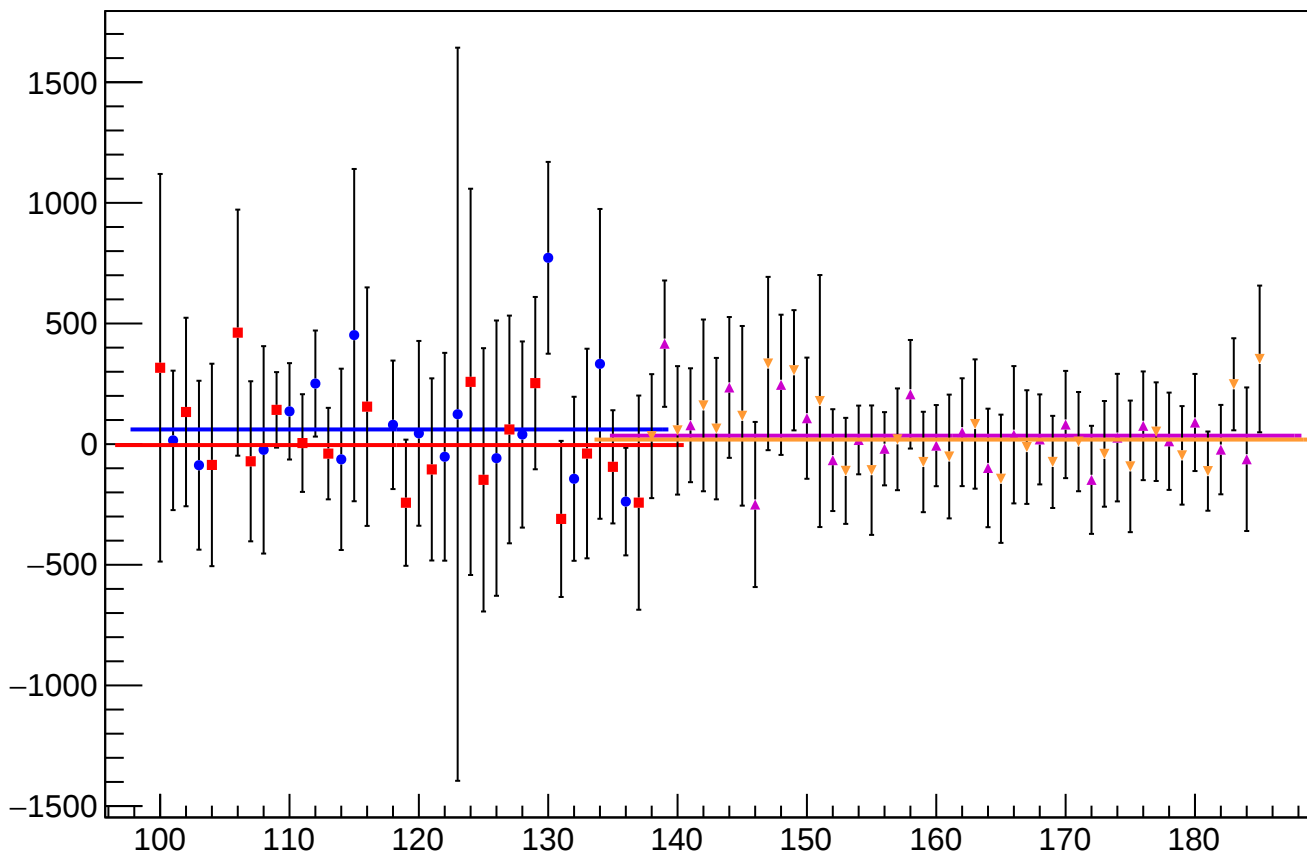
Right: 22.703 $\pm$ 0.004 χ^2 /NDF: 26386.3/35

In: 22.626 $\pm$ 0.003 χ^2 /NDF:32028.7/39

Out: 22.681 $\pm$ 0.003 χ^2 /NDF:29127.6/43

All: 22.654 $\pm$ 0.002 χ^2 /NDF: 61303.4/83

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 60.929 $\pm$ 80.431 χ^2 /NDF: 7.2/16

Left Out: 18.889 $\pm$ 48.017 χ^2 /NDF: 7.7/24

Right Out: -3.845 $\pm$ 70.561 χ^2 /NDF: 5.2/18

Left In: 35.046 $\pm$ 45.063 χ^2 /NDF: 6.3/22

Left: 27.480 $\pm$ 32.859 χ^2 /NDF: 14.0/47

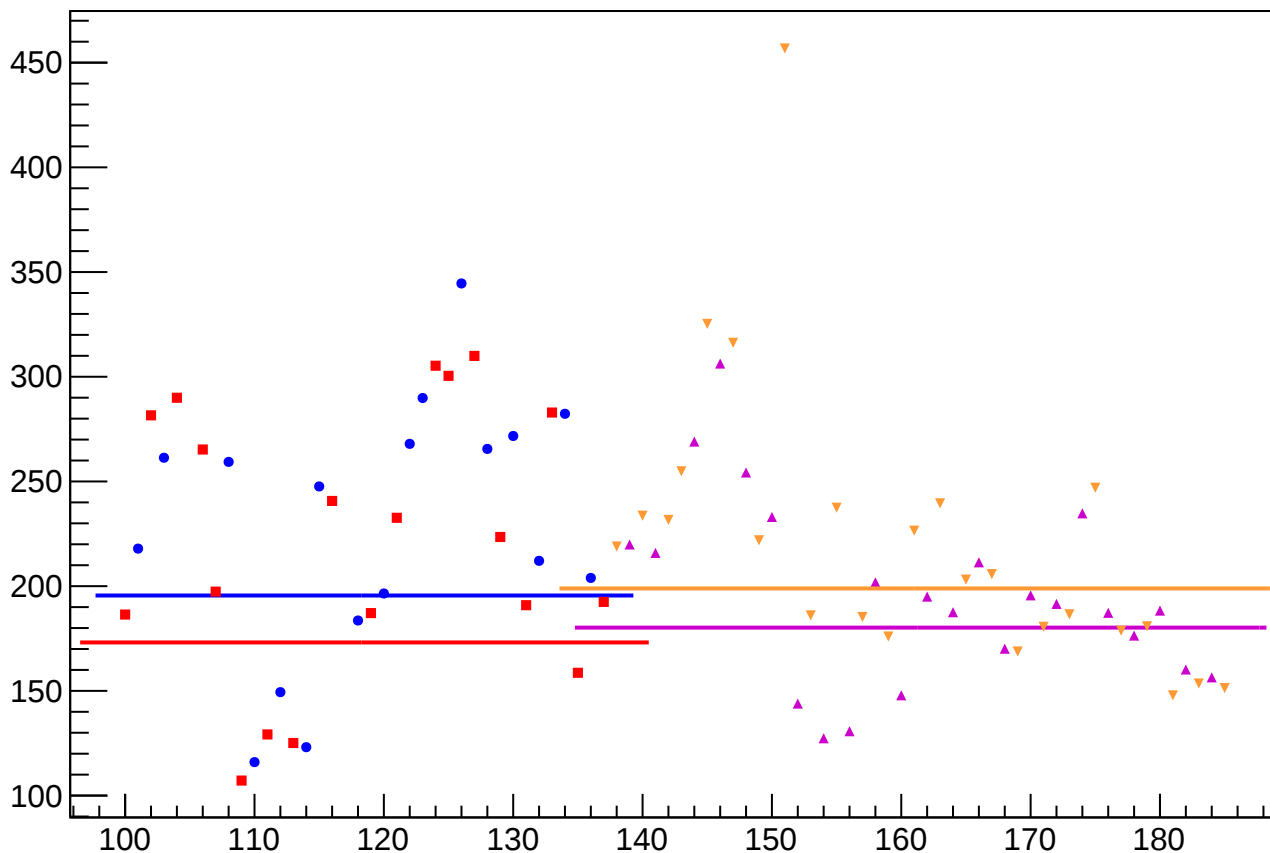
Right: 24.326 $\pm$ 53.042 χ^2 /NDF: 12.8/35

In: 41.230 $\pm$ 39.313 χ^2 /NDF: 13.6/39

Out: 11.694 $\pm$ 39.697 χ^2 /NDF: 12.9/43

All: 26.605 $\pm$ 27.934 χ^2 /NDF: 26.8/83

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.543 $\pm$ 0.057 χ^2 /NDF: 1006207.5/16

Left Out: 198.916 $\pm$ 0.034 χ^2 /NDF:1761362.5/24

Right Out: 173.124 $\pm$ 0.050 χ^2 /NDF: 1572874.3/18

Left In: 180.207 $\pm$ 0.032 χ^2 /NDF:1589005.4/22

Left: 188.968 $\pm$ 0.023 χ^2 /NDF: 3511795.6/47

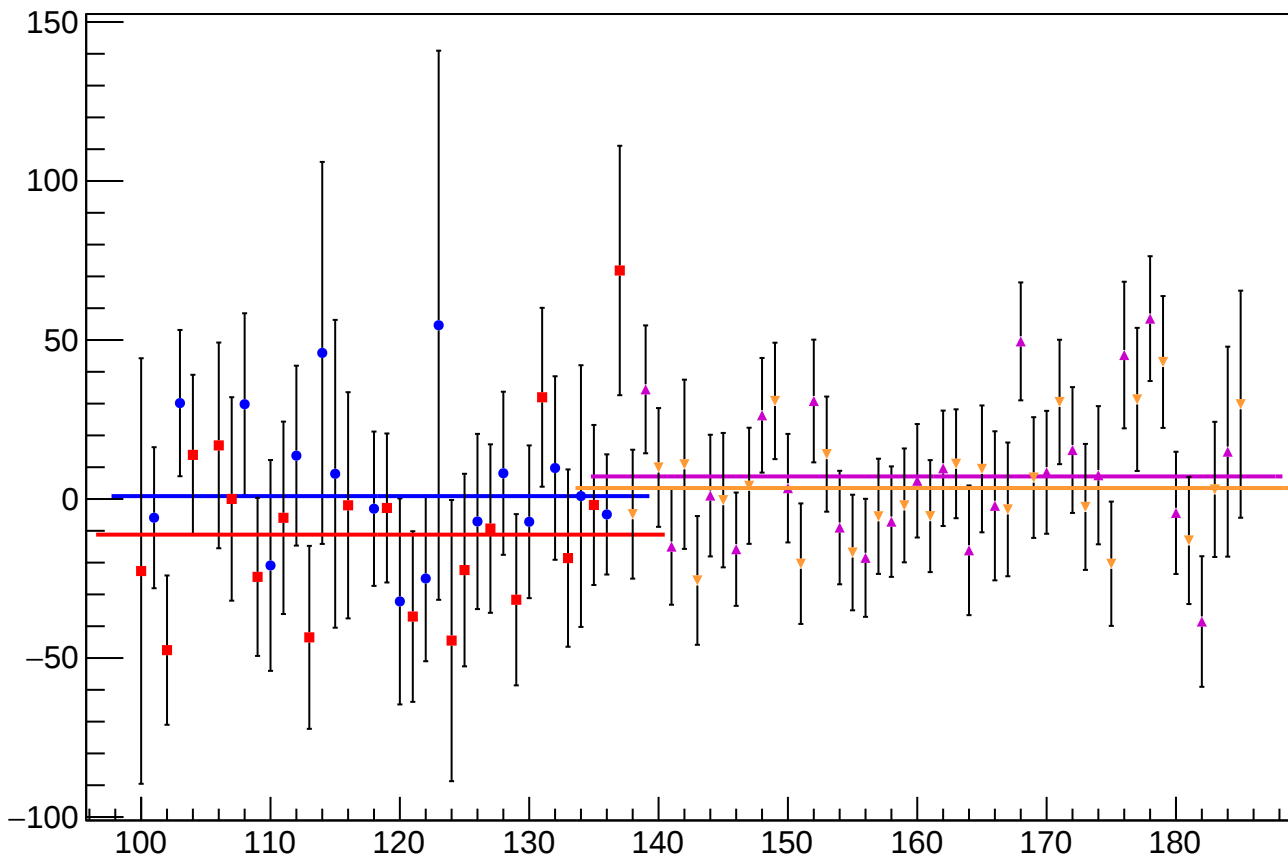
Right: 182.875 $\pm$ 0.038 χ^2 /NDF: 2666888.8/35

In: 183.871 $\pm$ 0.028 χ^2 /NDF:2650554.6/39

Out: 190.752 $\pm$ 0.028 χ^2 /NDF:3516866.1/43

All: 187.278 $\pm$ 0.020 χ^2 /NDF: 6197759.2/83

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.909 ± 6.829 χ^2/NDF : 6.9/16

Left Out: 3.453 ± 3.947 χ^2/NDF : 18.8/24

Right Out: -11.200 ± 6.644 χ^2/NDF : 15.3/18

Left In: 7.099 ± 4.047 χ^2/NDF : 32.5/22

Left: 5.230 ± 2.826 χ^2/NDF : 51.7/47

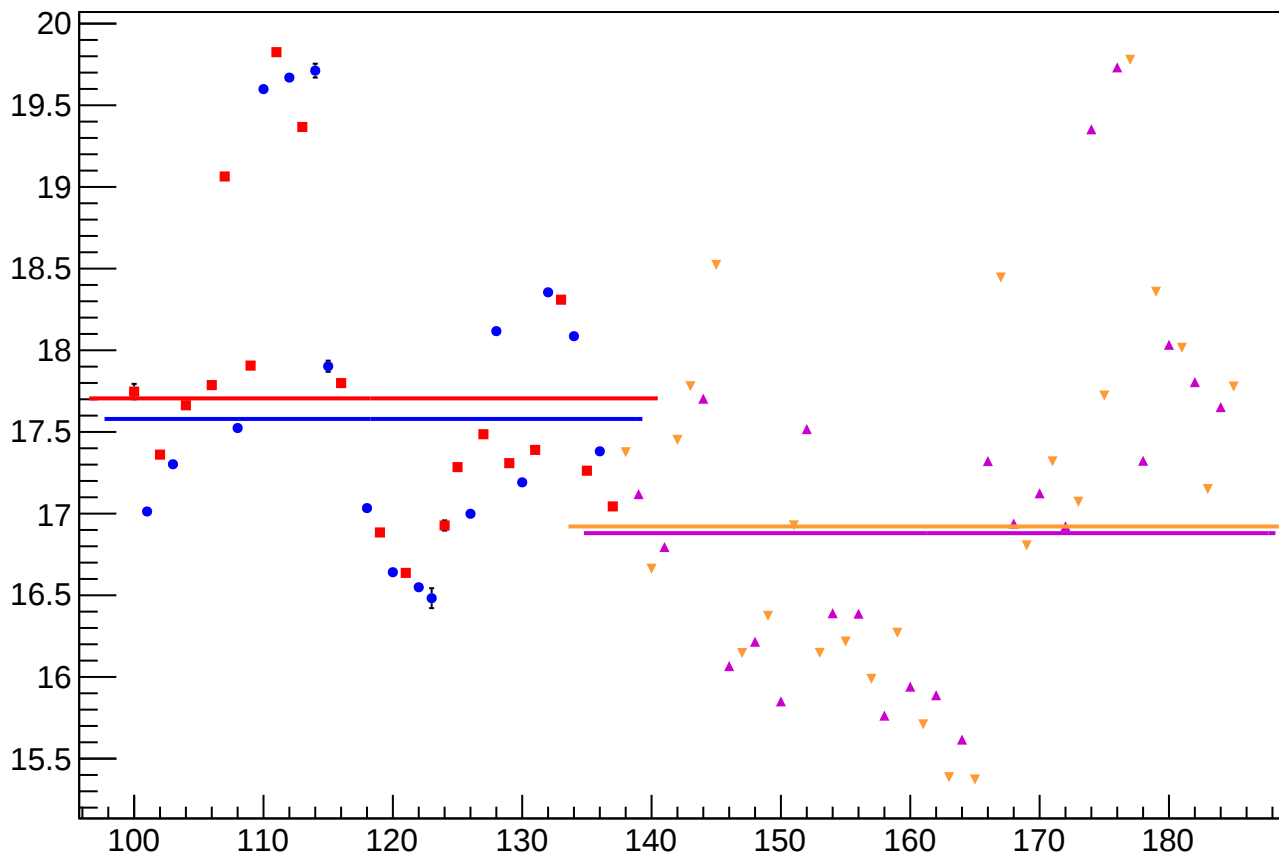
Right: -5.312 ± 4.762 χ^2/NDF : 23.8/35

In: 5.490 ± 3.482 χ^2/NDF : 40.0/39

Out: -0.370 ± 3.394 χ^2/NDF : 37.7/43

All: 2.485 ± 2.430 χ^2/NDF : 79.1/83

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.580 $\pm$ 0.005 χ^2 /NDF: 32962.1/16

Left Out: 16.921 $\pm$ 0.003 χ^2 /NDF:138982.7/24

Right Out: 17.705 $\pm$ 0.005 χ^2 /NDF: 30276.7/18

Left In: 16.880 $\pm$ 0.003 χ^2 /NDF:121736.1/22

Left: 16.901 $\pm$ 0.002 χ^2 /NDF: 260823.3/47

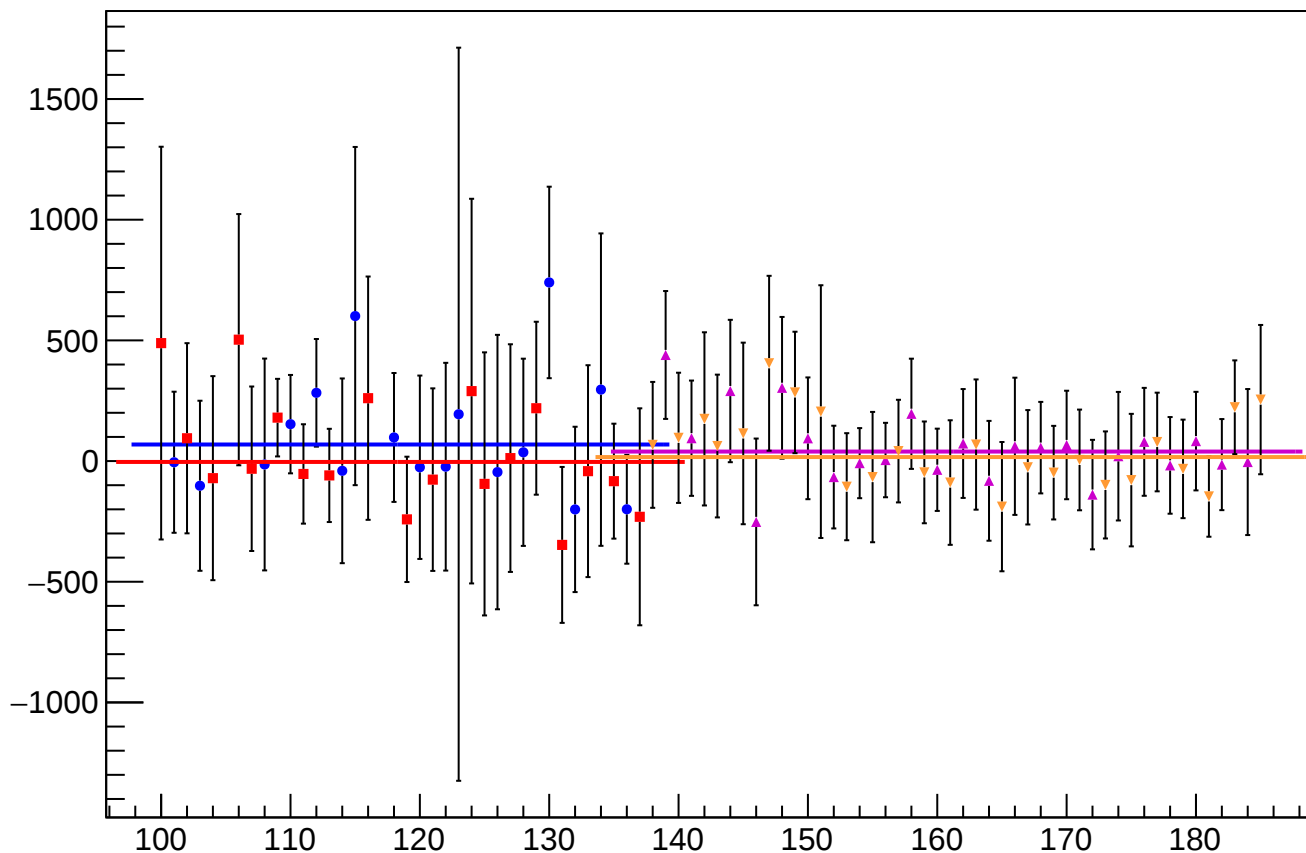
Right: 17.644 $\pm$ 0.003 χ^2 /NDF: 63587.8/35

In: 17.062 $\pm$ 0.002 χ^2 /NDF:170210.8/39

Out: 17.126 $\pm$ 0.002 χ^2 /NDF:189852.3/43

All: 17.095 $\pm$ 0.002 χ^2 /NDF: 360406.7/83

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.625 $\pm$ 81.256 χ^2 /NDF: 7.3/16

Left Out: 16.570 $\pm$ 48.515 χ^2 /NDF: 7.5/24

Right Out: -3.617 $\pm$ 71.551 χ^2 /NDF: 6.1/18

Left In: 39.377 $\pm$ 45.571 χ^2 /NDF: 6.9/22

Left: 28.687 $\pm$ 33.215 χ^2 /NDF: 14.5/47

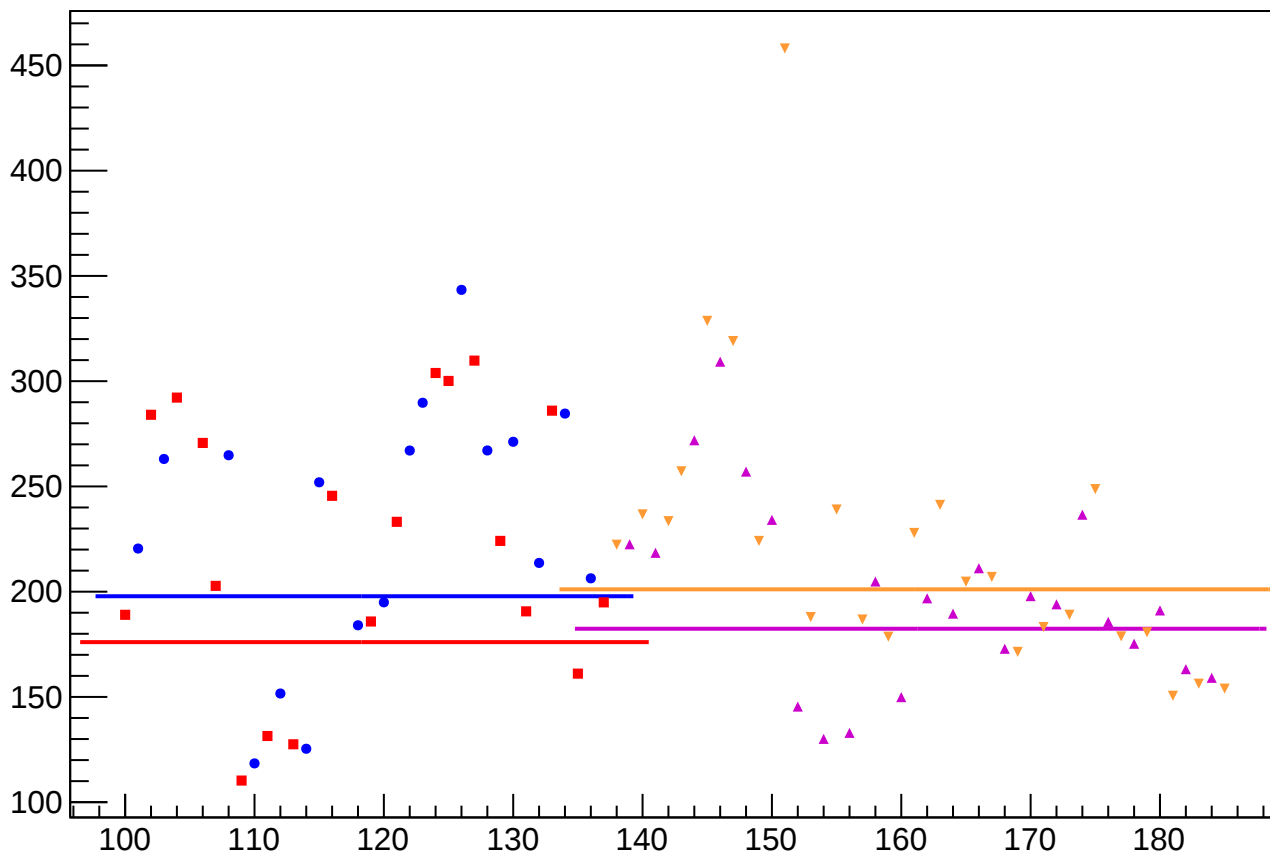
Right: 27.934 $\pm$ 53.699 χ^2 /NDF: 13.8/35

In: 46.375 $\pm$ 39.747 χ^2 /NDF: 14.3/39

Out: 10.212 $\pm$ 40.155 χ^2 /NDF: 13.6/43

All: 28.478 $\pm$ 28.248 χ^2 /NDF: 28.3/83

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.832 $\pm$ 0.057 χ^2 /NDF: 971081.8/16

Left Out: 201.115 $\pm$ 0.034 χ^2 /NDF:1730045.0/24

Right Out: 176.036 $\pm$ 0.051 χ^2 /NDF: 1514906.1/18

Left In: 182.396 $\pm$ 0.032 χ^2 /NDF:1548907.7/22

Left: 191.171 $\pm$ 0.023 χ^2 /NDF: 3437137.4/47

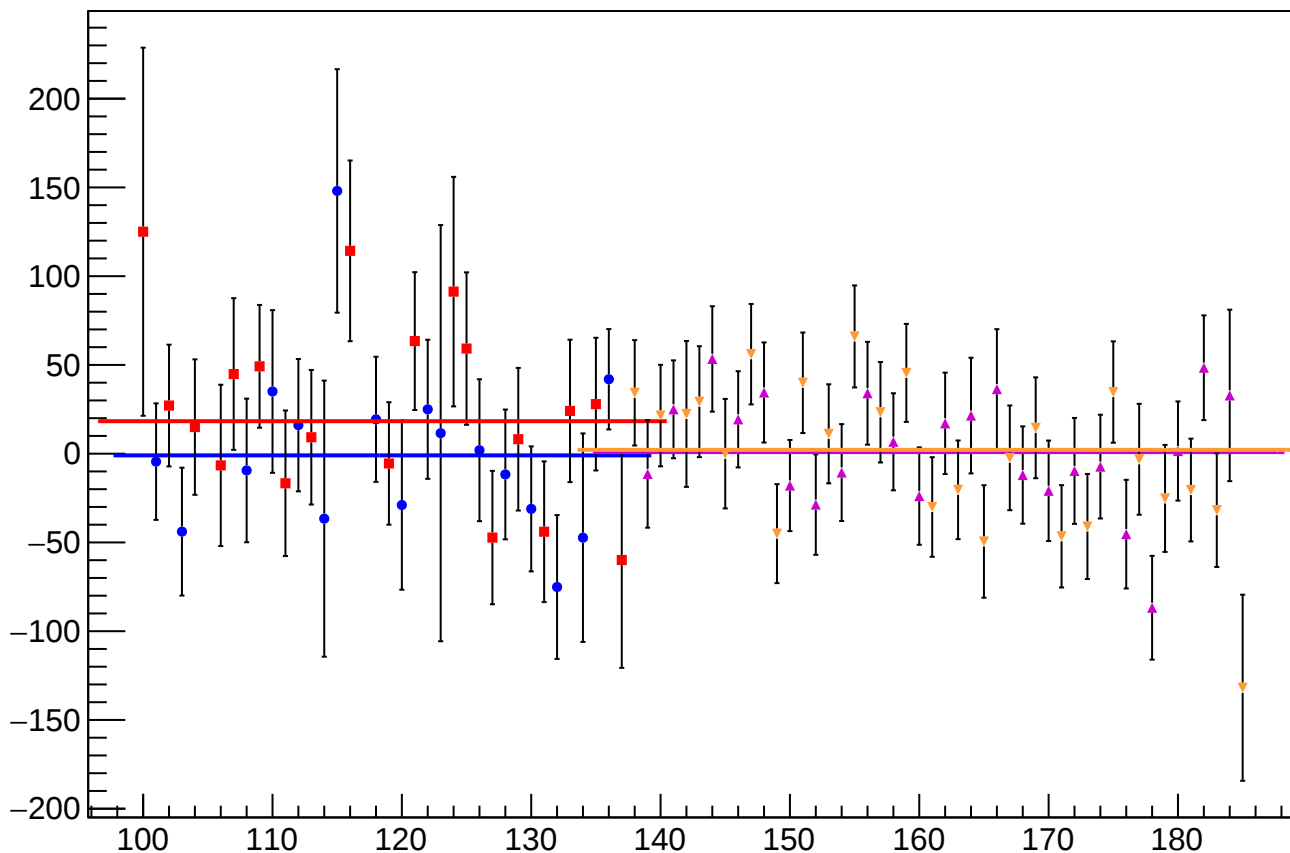
Right: 185.556 $\pm$ 0.038 χ^2 /NDF: 2567038.6/35

In: 186.089 $\pm$ 0.028 χ^2 /NDF:2574894.7/39

Out: 193.217 $\pm$ 0.028 χ^2 /NDF:3413269.7/43

All: 189.617 $\pm$ 0.020 χ^2 /NDF: 6019991.4/83

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.953 ± 9.909 χ^2/NDF : 15.5/16

Left Out: 2.159 ± 5.971 χ^2/NDF : 39.2/24

Right Out: 18.305 ± 9.519 χ^2/NDF : 18.3/18

Left In: 0.900 ± 6.069 χ^2/NDF : 27.1/22

Left: 1.540 ± 4.257 χ^2/NDF : 66.3/47

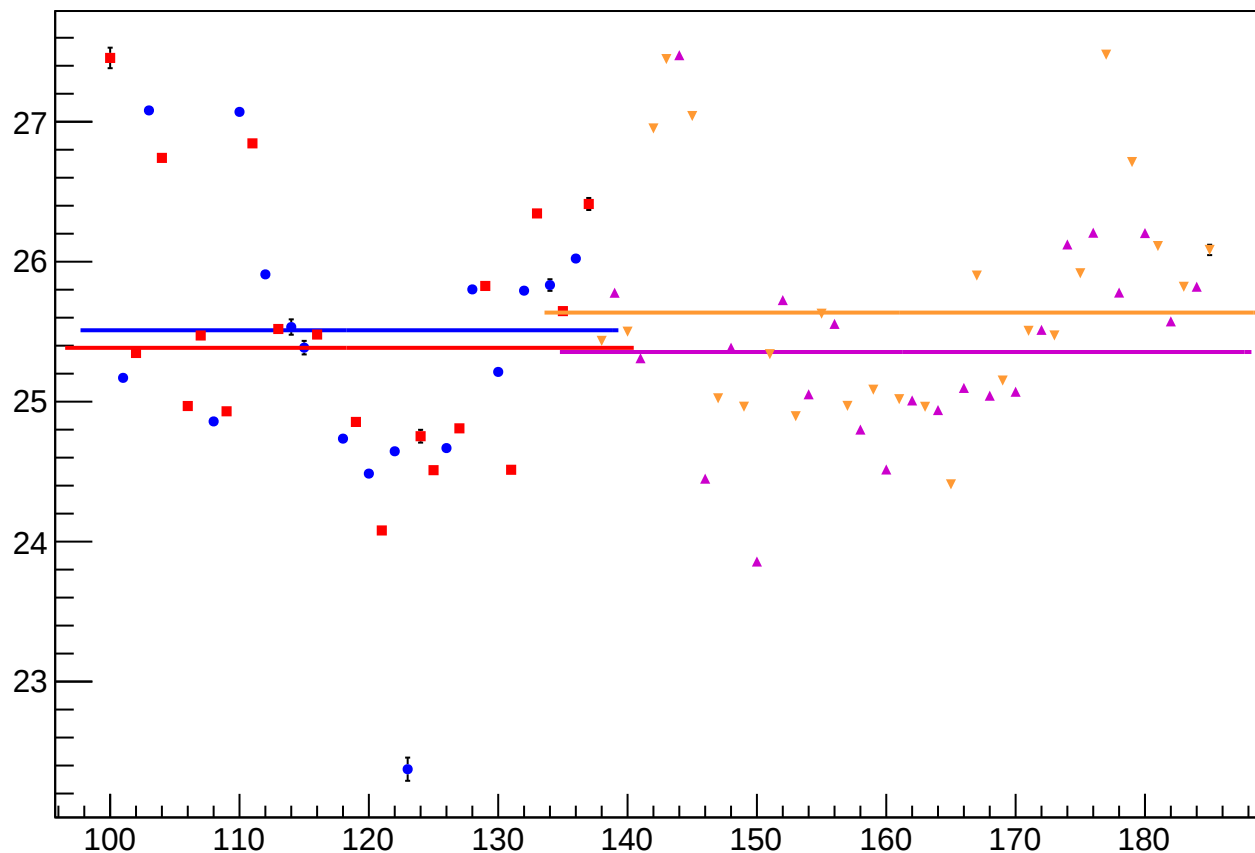
Right: 9.063 ± 6.865 χ^2/NDF : 35.7/35

In: 0.395 ± 5.176 χ^2/NDF : 42.6/39

Out: 6.718 ± 5.058 χ^2/NDF : 59.6/43

All: 3.629 ± 3.618 χ^2/NDF : 102.9/83

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.510 $\pm$ 0.007 χ^2 /NDF: 13357.4/16

Left Out: 25.636 $\pm$ 0.004 χ^2 /NDF:35137.0/24

Right Out: 25.385 $\pm$ 0.007 χ^2 /NDF: 13669.3/18

Left In: 25.355 $\pm$ 0.004 χ^2 /NDF:29766.2/22

Left: 25.498 $\pm$ 0.003 χ^2 /NDF: 67091.8/47

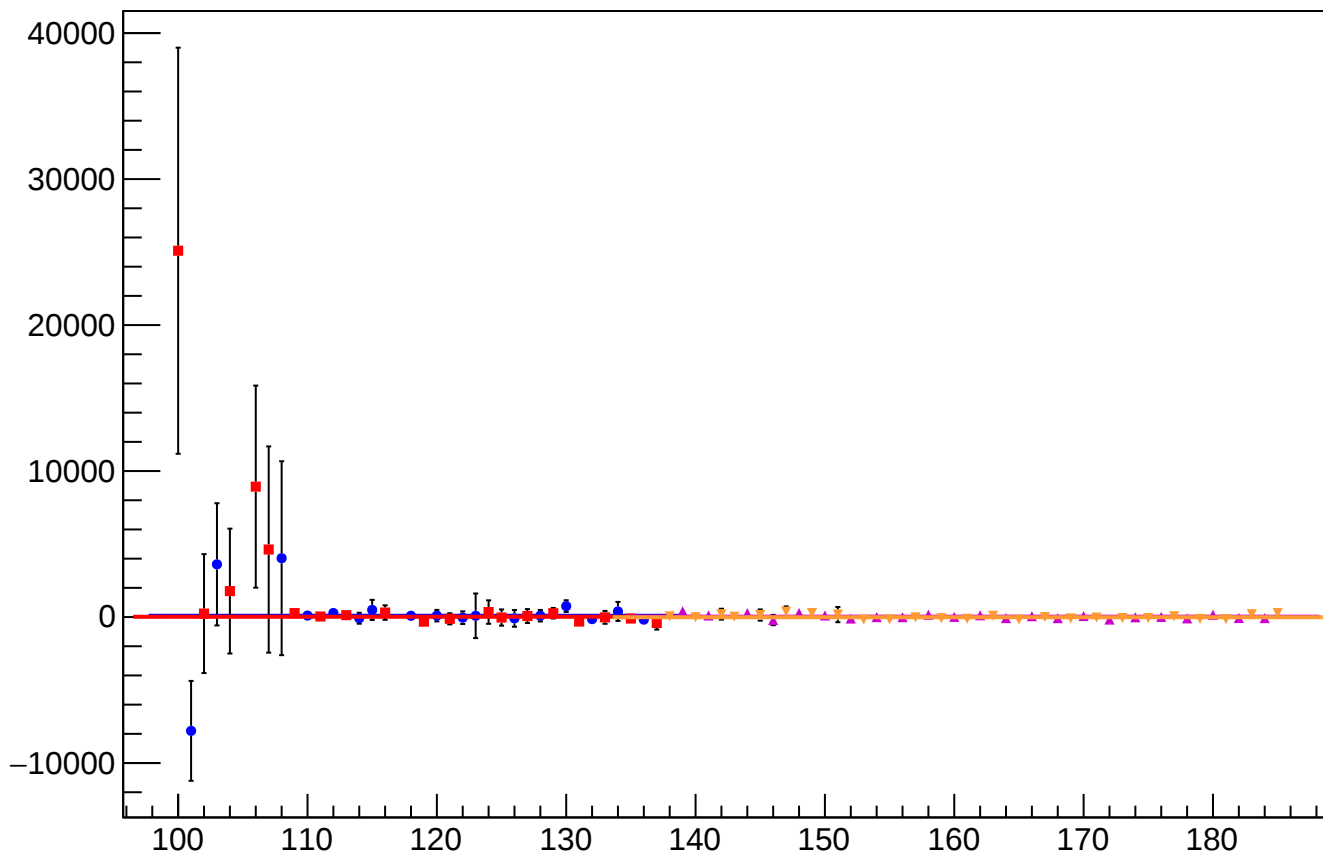
Right: 25.445 $\pm$ 0.005 χ^2 /NDF: 27193.6/35

In: 25.397 $\pm$ 0.004 χ^2 /NDF:43480.8/39

Out: 25.565 $\pm$ 0.004 χ^2 /NDF:49811.0/43

All: 25.483 $\pm$ 0.003 χ^2 /NDF: 94371.8/83

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 88.017+/-88.732 χ^2/NDF : 12.6/16

Left Out: -12.869+/-48.227 χ^2/NDF : 7.9/24

Right Out: 19.598+/-80.969 χ^2/NDF : 12.0/18

Left In: 26.836+/-45.876 χ^2/NDF : 7.5/22

Left: 7.975+/-33.239 χ^2/NDF : 15.7/47

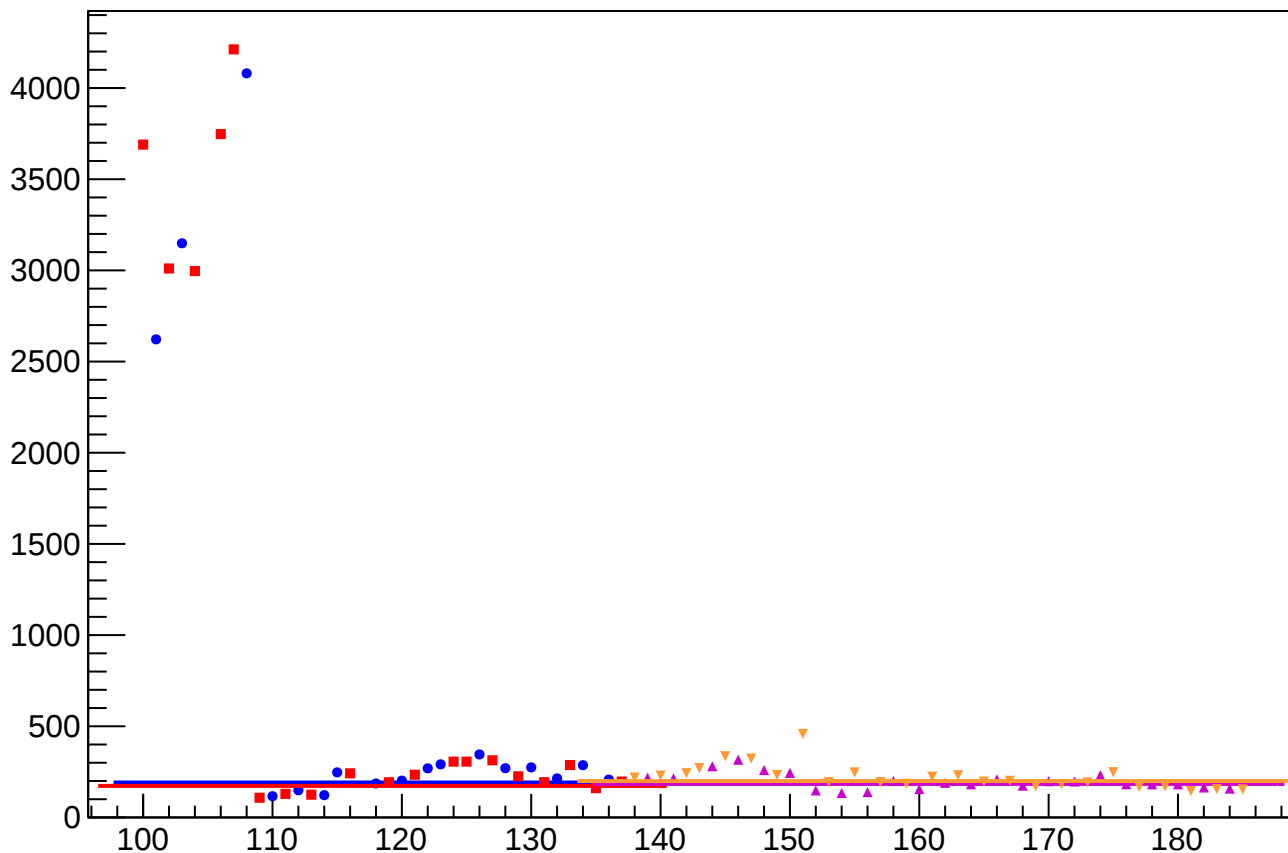
Right: 50.685+/-59.810 χ^2/NDF : 24.9/35

In: 39.741+/-40.751 χ^2/NDF : 20.4/39

Out: -4.367+/-41.434 χ^2/NDF : 20.0/43

All: 18.054+/-29.054 χ^2/NDF : 41.0/83

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.711 $\pm$ 0.063 χ^2 /NDF: 3575897.6/16

Left Out: 199.557 $\pm$ 0.034 χ^2 /NDF: 1879675.6/24

Right Out: 173.097 $\pm$ 0.057 χ^2 /NDF: 4201745.6/18

Left In: 184.031 $\pm$ 0.032 χ^2 /NDF: 1423454.3/22

Left: 191.407 $\pm$ 0.024 χ^2 /NDF: 3411943.5/47

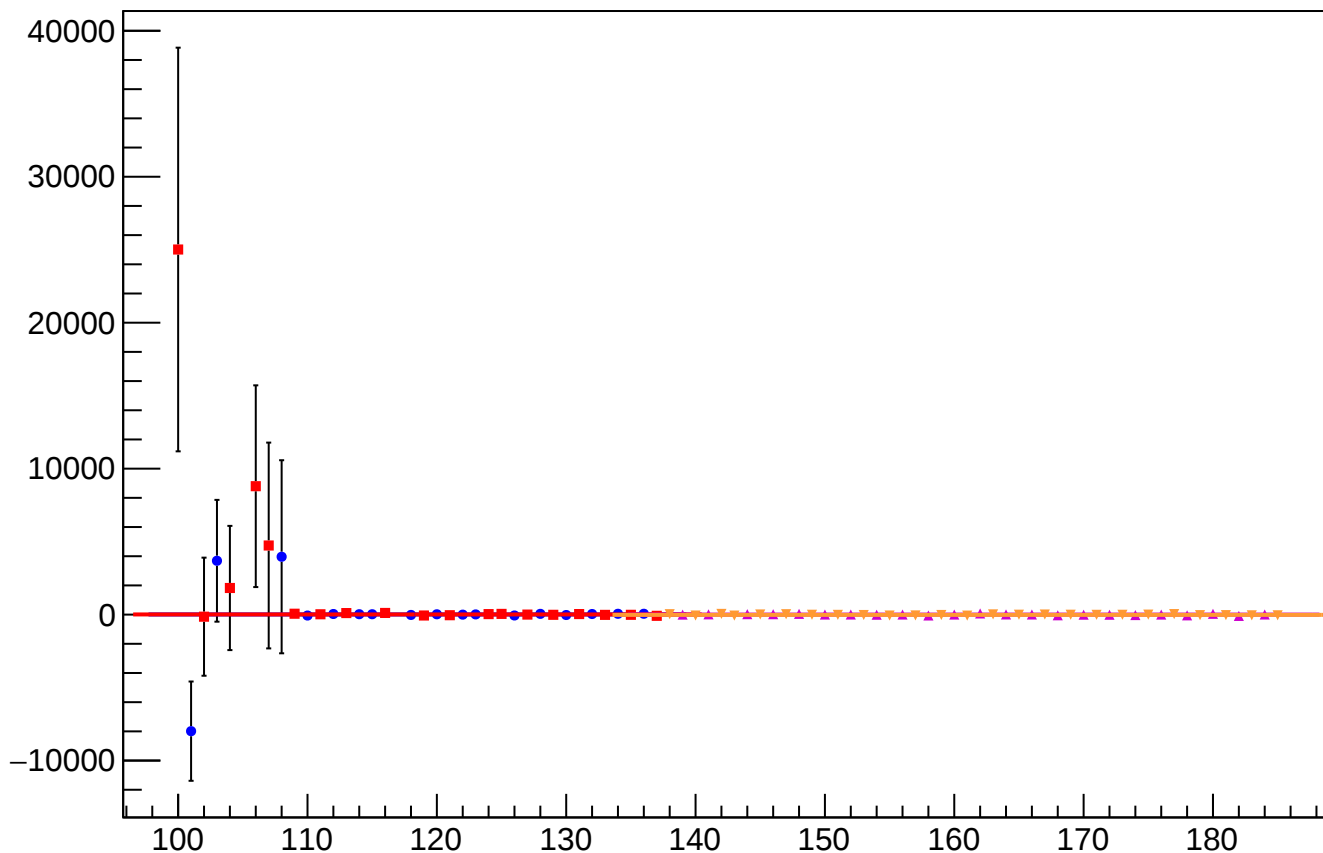
Right: 181.554 $\pm$ 0.042 χ^2 /NDF: 7825671.3/35

In: 185.651 $\pm$ 0.029 χ^2 /NDF: 5011174.2/39

Out: 192.628 $\pm$ 0.029 χ^2 /NDF: 6239080.4/43

All: 189.082 $\pm$ 0.021 χ^2 /NDF: 11279077.5/83

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.697+/-12.319 χ^2/NDF : 19.0/16

Left Out: -17.649+/-6.694 χ^2/NDF : 22.4/24

Right Out: 11.602+/-12.269 χ^2/NDF : 24.3/18

Left In: 1.038+/-6.880 χ^2/NDF : 32.4/22

Left: -8.561+/-4.798 χ^2/NDF : 58.6/47

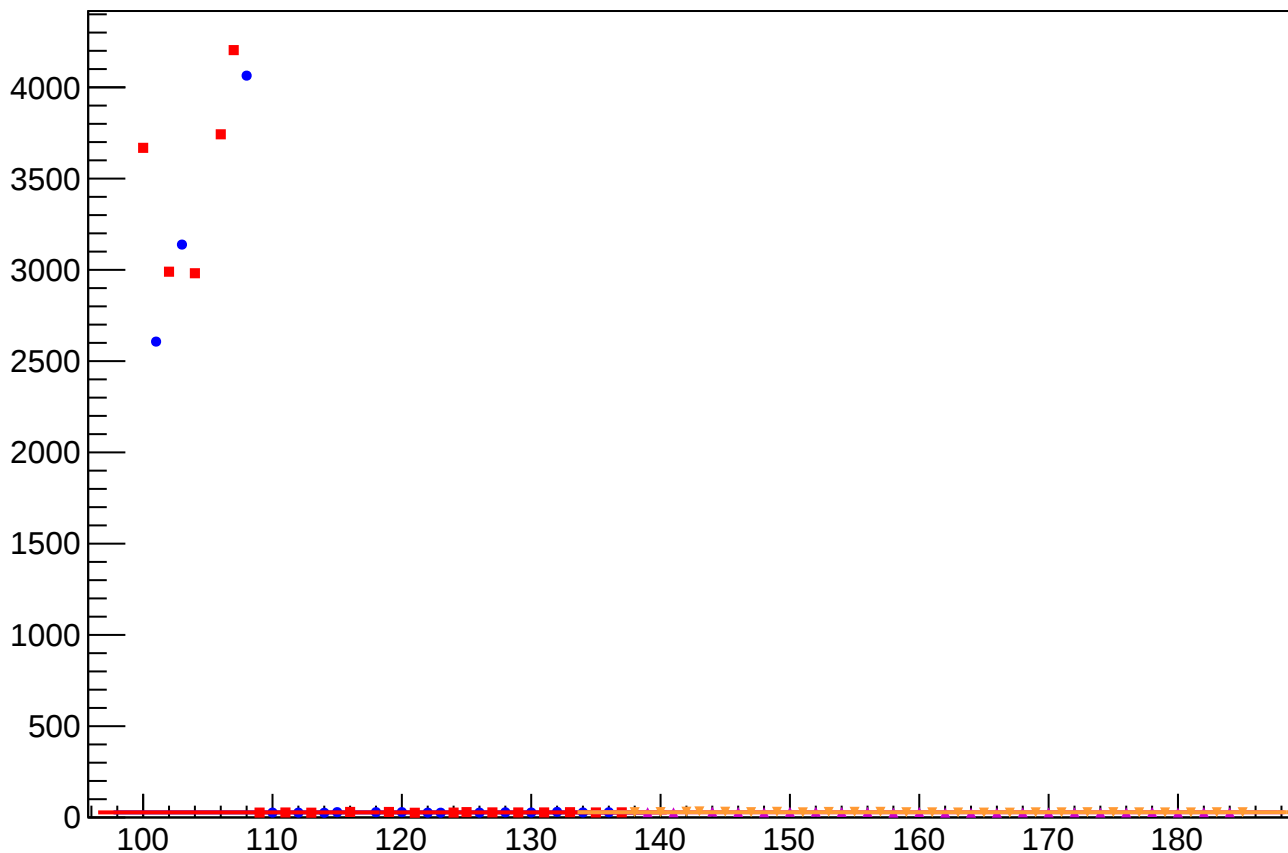
Right: 11.151+/-8.693 χ^2/NDF : 43.2/35

In: 3.334+/-6.007 χ^2/NDF : 51.8/39

Out: -10.938+/-5.877 χ^2/NDF : 51.1/43

All: -3.959+/-4.201 χ^2/NDF : 105.8/83

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.874+/-0.009 χ^2 /NDF: 3027804.9/16

Left Out: 28.691+/-0.005 χ^2 /NDF:110483.7/24

Right Out: 27.715+/-0.009 χ^2 /NDF: 3476945.4/18

Left In: 28.673+/-0.005 χ^2 /NDF:124751.4/22

Left: 28.682+/-0.003 χ^2 /NDF: 235242.2/47

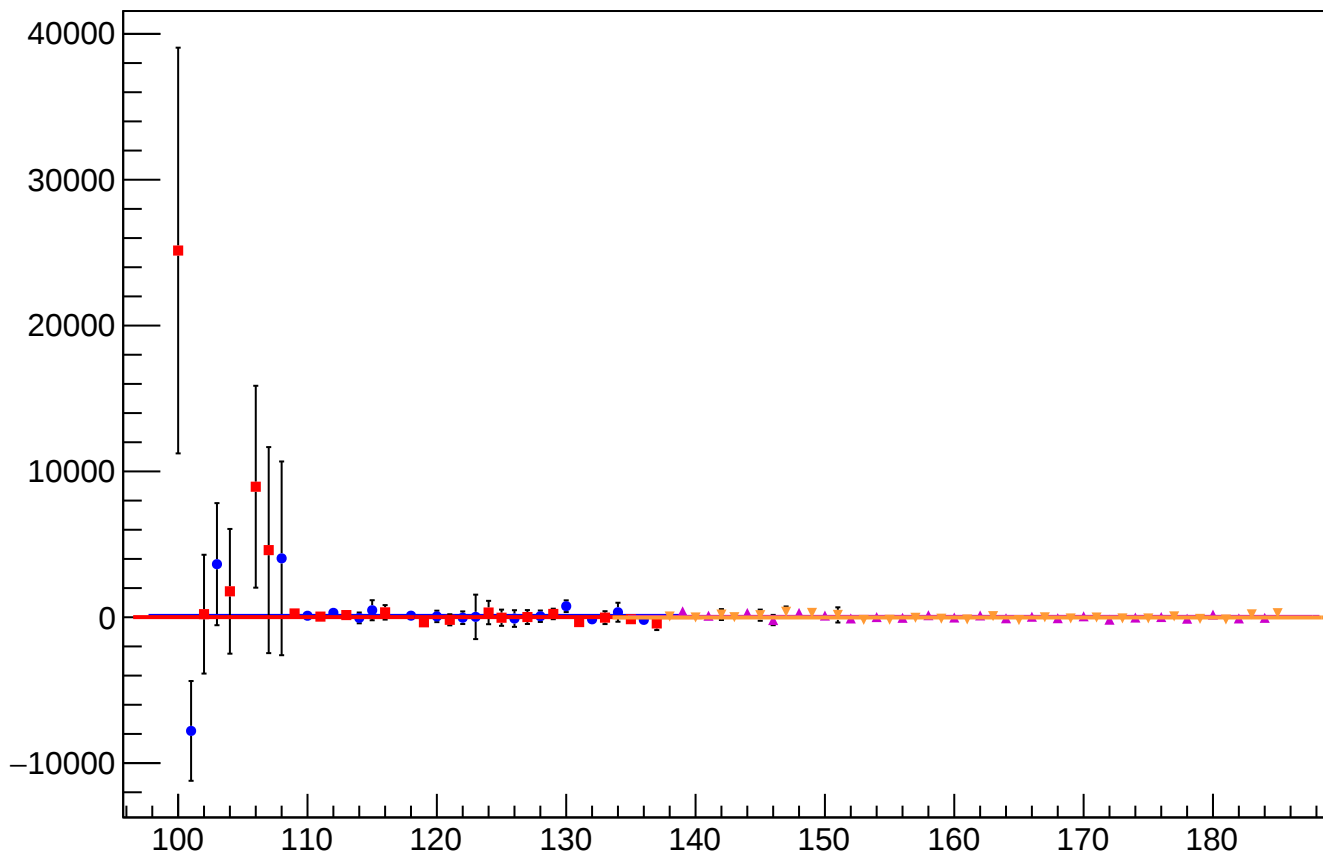
Right: 27.794+/-0.006 χ^2 /NDF: 6504918.1/35

In: 28.483+/-0.004 χ^2 /NDF:3158967.6/39

Out: 28.467+/-0.004 χ^2 /NDF:3597186.4/43

All: 28.475+/-0.003 χ^2 /NDF: 6756161.2/83

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 93.587+/-88.455 χ^2/NDF : 12.8/16

Left Out: -15.519+/-48.120 χ^2/NDF : 8.7/24

Right Out: 9.682+/-80.708 χ^2/NDF : 12.8/18

Left In: 27.009+/-45.785 χ^2/NDF : 7.8/22

Left: 6.802+/-33.169 χ^2/NDF : 16.9/47

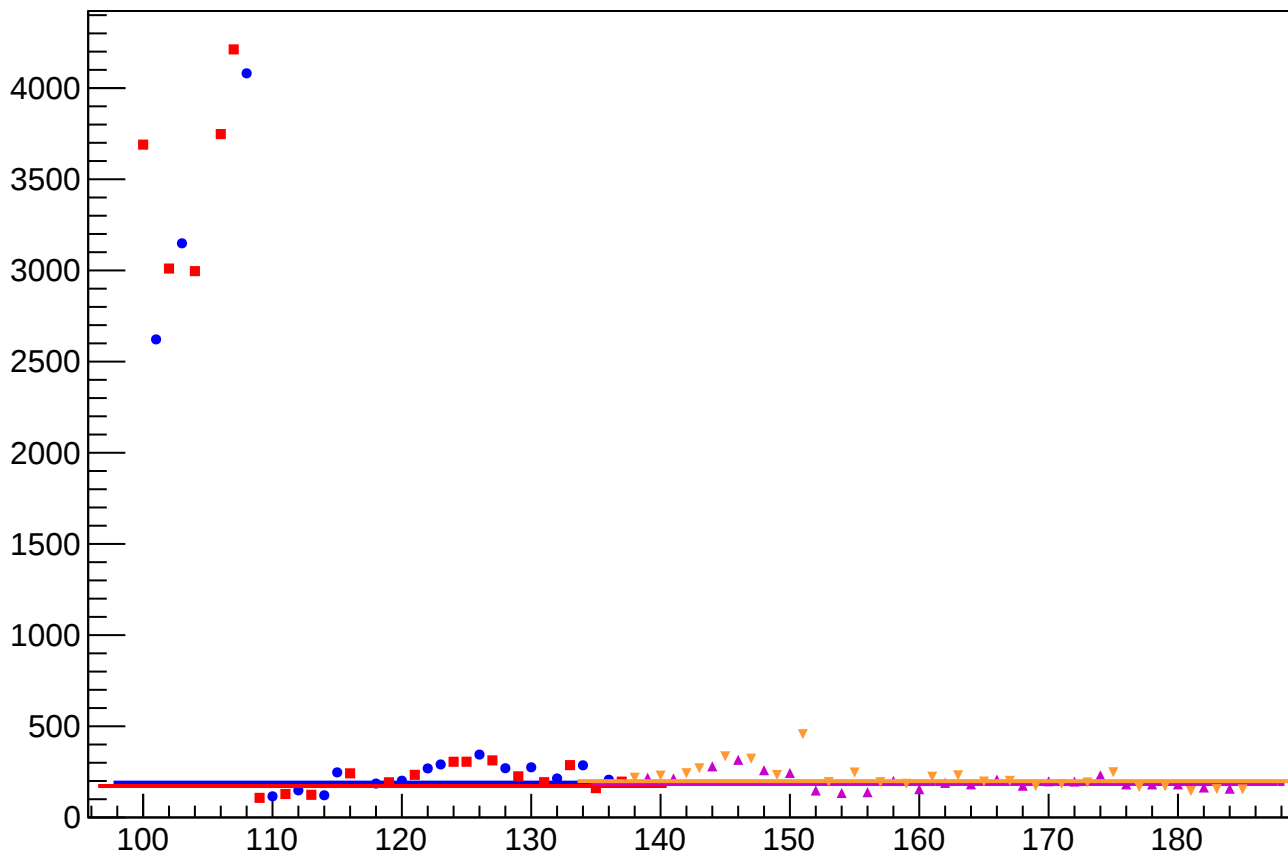
Right: 47.800+/-59.620 χ^2/NDF : 26.0/35

In: 41.077+/-40.661 χ^2/NDF : 21.0/39

Out: -8.910+/-41.331 χ^2/NDF : 21.5/43

All: 16.493+/-28.986 χ^2/NDF : 43.3/83

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.997 $\pm$ 0.063 χ^2 /NDF: 3587805.7/16

Left Out: 199.115 $\pm$ 0.034 χ^2 /NDF:1879477.4/24

Right Out: 172.430 $\pm$ 0.057 χ^2 /NDF: 4212918.4/18

Left In: 183.667 $\pm$ 0.032 χ^2 /NDF:1422895.7/22

Left: 191.007 $\pm$ 0.023 χ^2 /NDF: 3410559.3/47

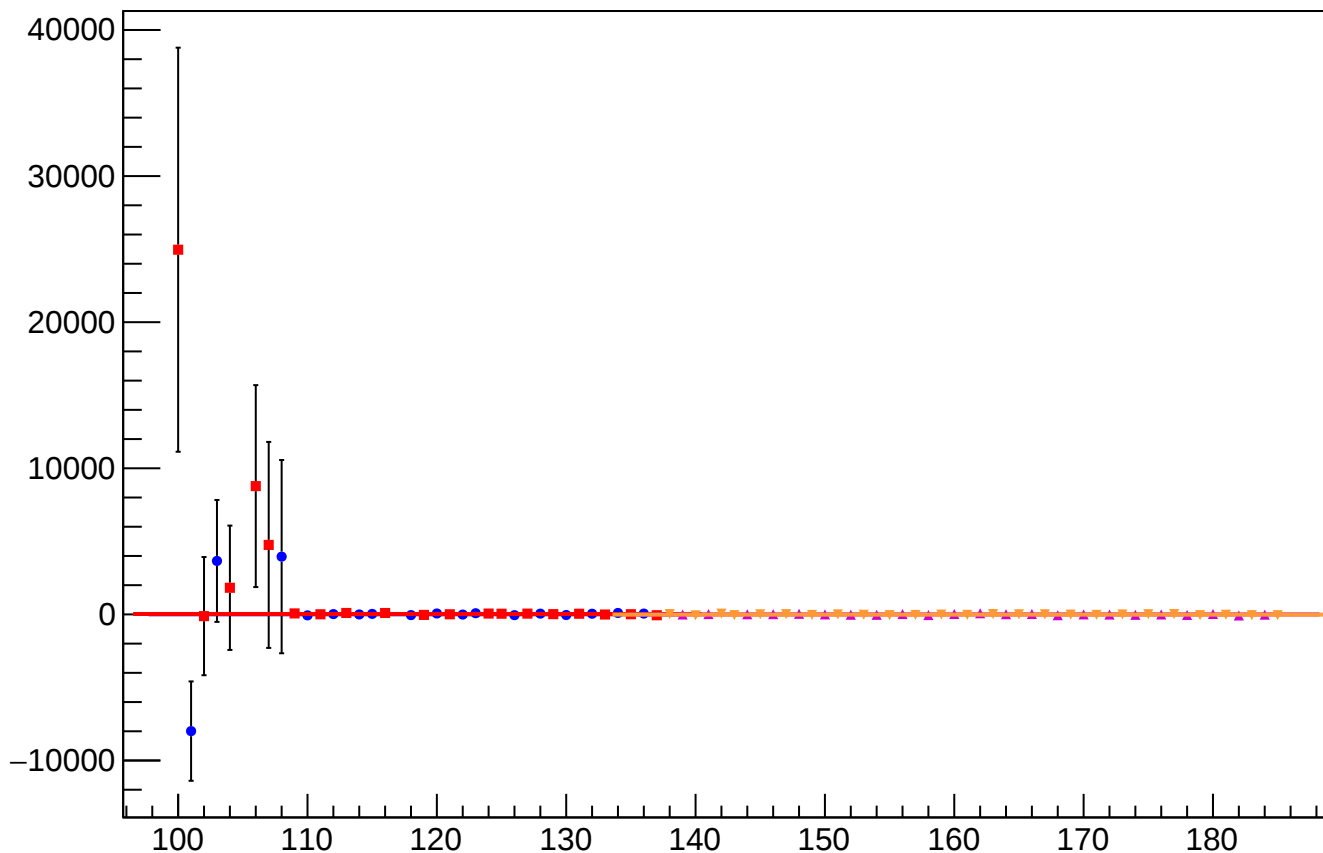
Right: 180.865 $\pm$ 0.042 χ^2 /NDF: 7848812.4/35

In: 185.216 $\pm$ 0.029 χ^2 /NDF:5021533.5/39

Out: 192.117 $\pm$ 0.029 χ^2 /NDF:6253702.4/43

All: 188.610 $\pm$ 0.020 χ^2 /NDF: 11303569.3/83

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 7.963+/-12.403 χ^2/NDF : 22.9/16

Left Out: -15.083+/-6.724 χ^2/NDF : 17.6/24

Right Out: 28.182+/-12.369 χ^2/NDF : 16.5/18

Left In: -0.702+/-6.909 χ^2/NDF : 26.4/22

Left: -8.088+/-4.819 χ^2/NDF : 46.2/47

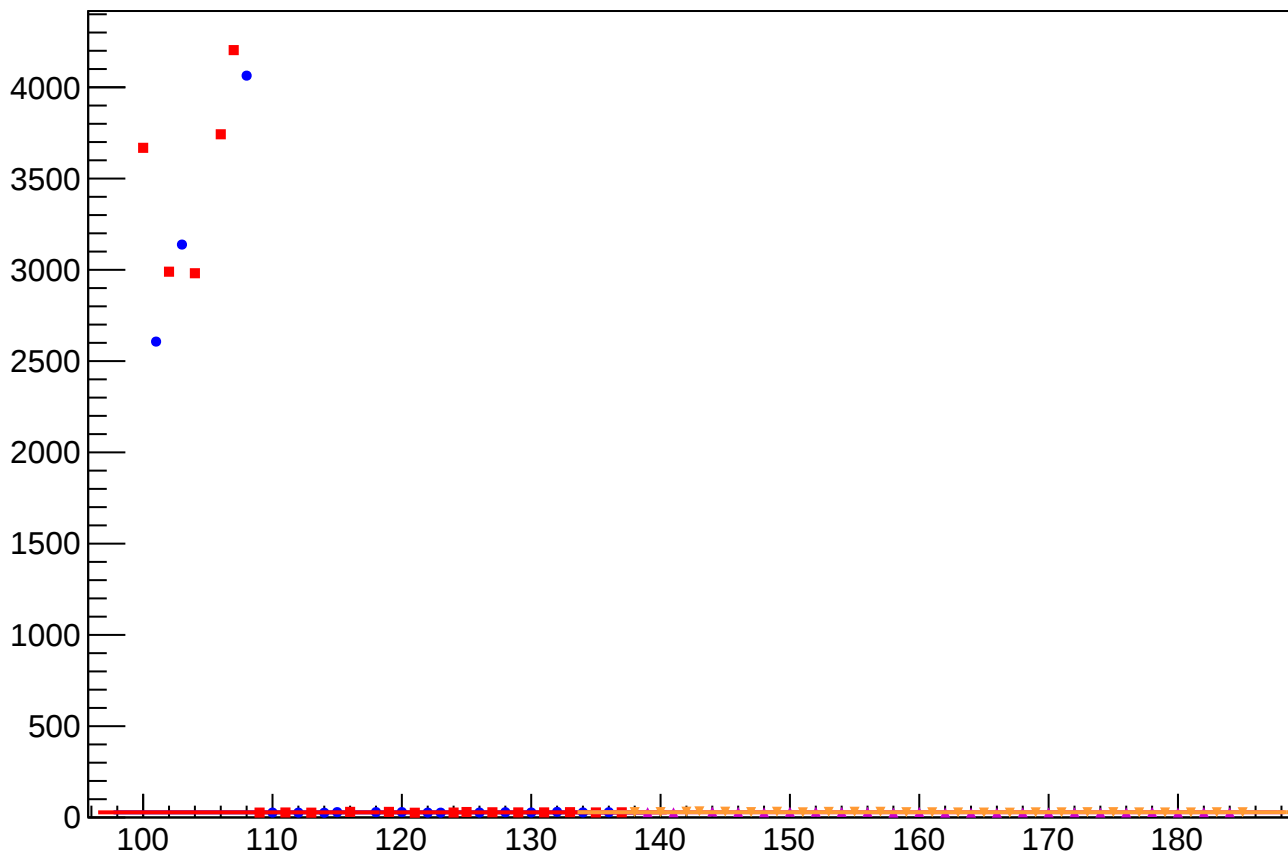
Right: 18.100+/-8.758 χ^2/NDF : 40.7/35

In: 1.350+/-6.036 χ^2/NDF : 49.6/39

Out: -5.214+/-5.908 χ^2/NDF : 43.6/43

All: -2.002+/-4.222 χ^2/NDF : 93.7/83

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.059 $\pm$ 0.009 χ^2 /NDF: 3028297.0/16

Left Out: 28.813 $\pm$ 0.005 χ^2 /NDF: 121972.7/24

Right Out: 27.935 $\pm$ 0.009 χ^2 /NDF: 3479859.0/18

Left In: 28.792 $\pm$ 0.005 χ^2 /NDF: 129393.1/22

Left: 28.803 $\pm$ 0.003 χ^2 /NDF: 251374.7/47

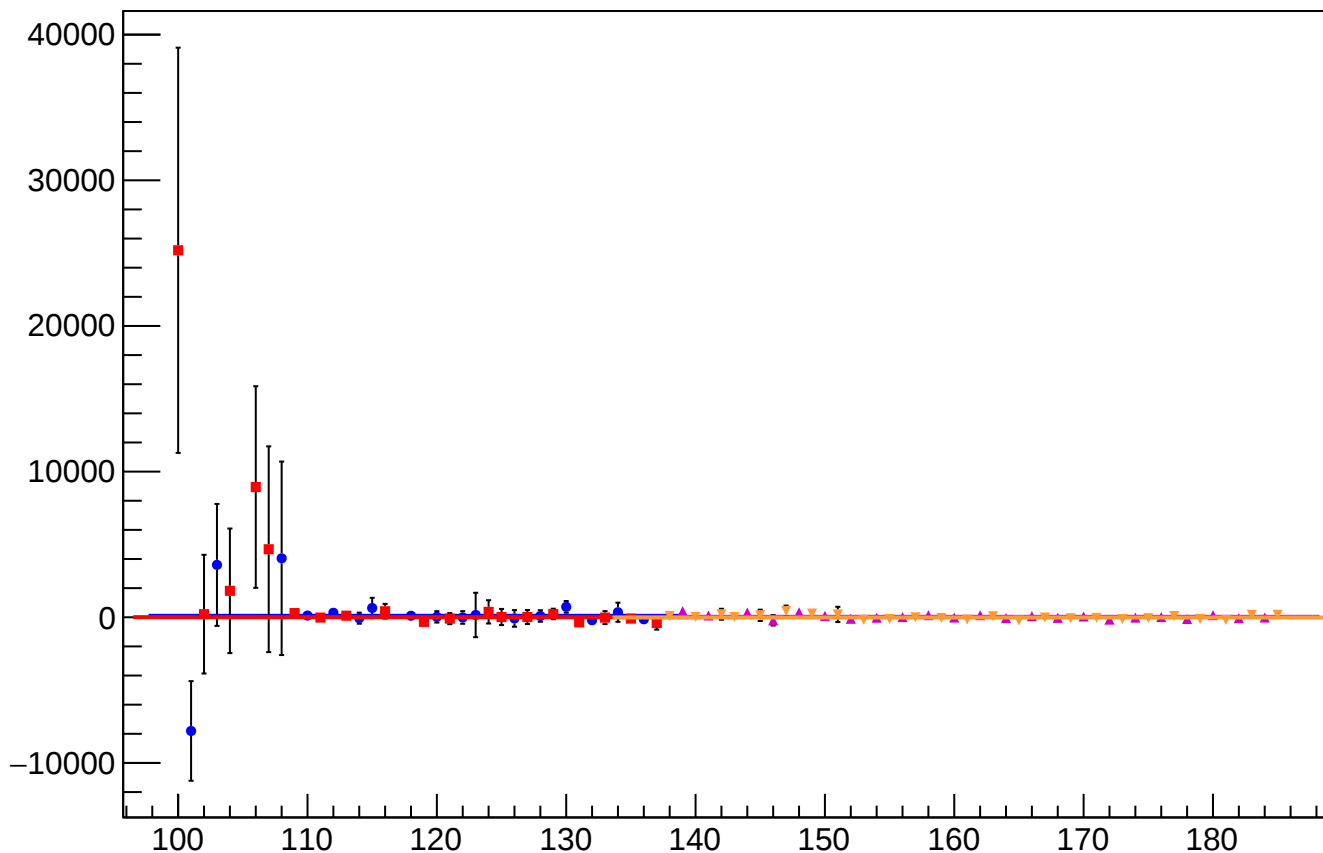
Right: 27.997 $\pm$ 0.006 χ^2 /NDF: 6508255.5/35

In: 28.619 $\pm$ 0.004 χ^2 /NDF: 3163028.8/39

Out: 28.613 $\pm$ 0.004 χ^2 /NDF: 3609599.4/43

All: 28.616 $\pm$ 0.003 χ^2 /NDF: 6772629.3/83

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 99.706+/-89.513 χ^2/NDF : 12.6/16

Left Out: -15.264+/-48.699 χ^2/NDF : 8.0/24

Right Out: 8.453+/-81.796 χ^2/NDF : 12.3/18

Left In: 31.170+/-46.359 χ^2/NDF : 8.2/22

Left: 9.095+/-33.578 χ^2/NDF : 16.7/47

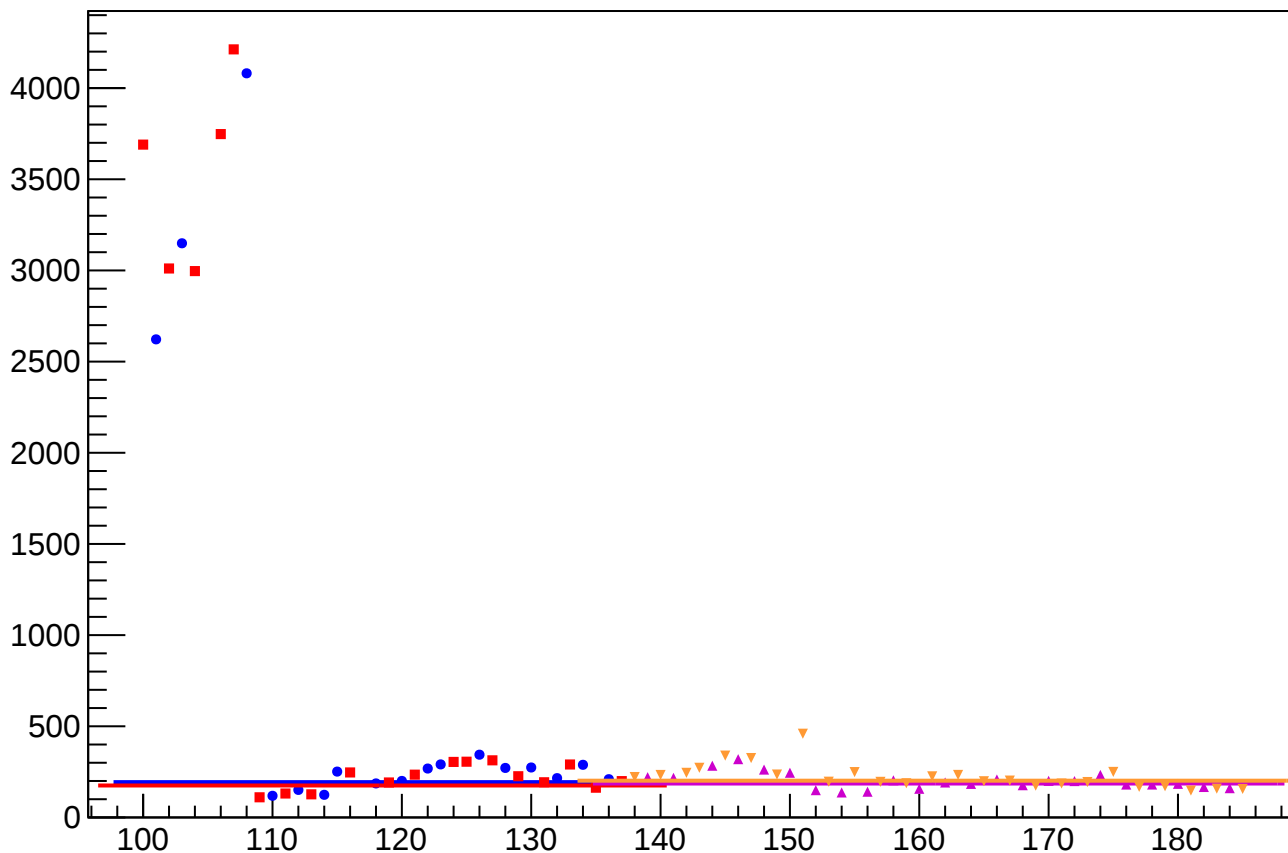
Right: 49.977+/-60.383 χ^2/NDF : 25.5/35

In: 45.665+/-41.166 χ^2/NDF : 21.2/39

Out: -9.057+/-41.844 χ^2/NDF : 20.4/43

All: 18.751+/-29.346 χ^2/NDF : 42.5/83

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.748+/-0.063 χ^2/NDF : 3539977.5/16

Left Out: 201.621+/-0.034 χ^2/NDF : 1856618.7/24

Right Out: 175.305+/-0.058 χ^2/NDF : 4160397.0/18

Left In: 186.107+/-0.033 χ^2/NDF : 1391327.2/22

Left: 193.482+/-0.024 χ^2/NDF : 3354431.0/47

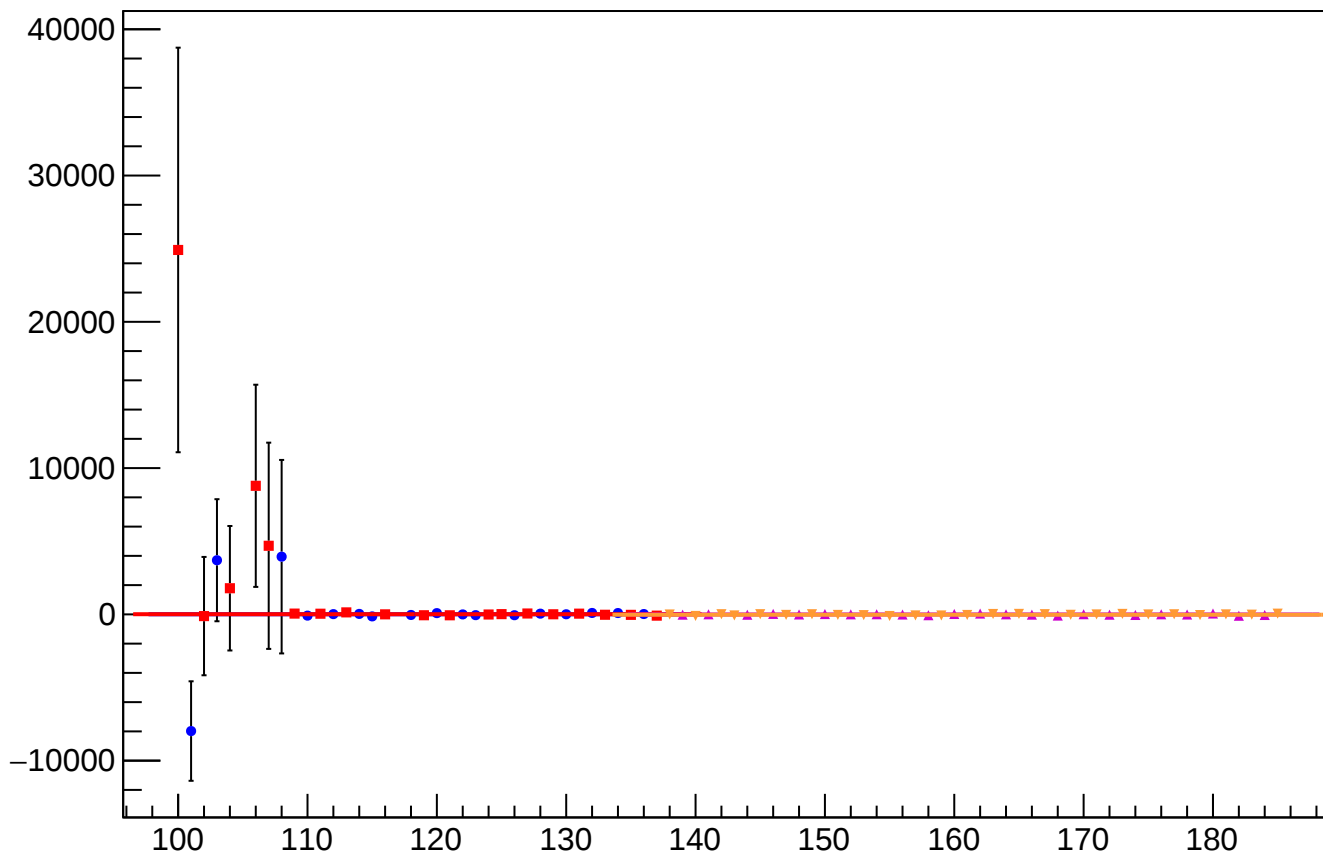
Right: 183.697+/-0.043 χ^2/NDF : 7746640.5/35

In: 187.723+/-0.029 χ^2/NDF : 4942795.0/39

Out: 194.734+/-0.030 χ^2/NDF : 6169859.1/43

All: 191.171+/-0.021 χ^2/NDF : 11141188.8/83

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.968 $\pm$ 15.099 χ^2 /NDF: 20.2/16

Left Out: -23.607 $\pm$ 8.065 χ^2 /NDF:25.8/24

Right Out: 11.301 $\pm$ 14.995 χ^2 /NDF: 21.5/18

Left In: -6.001 $\pm$ 8.309 χ^2 /NDF:21.1/22

Left: -15.065 $\pm$ 5.787 χ^2 /NDF: 49.2/47

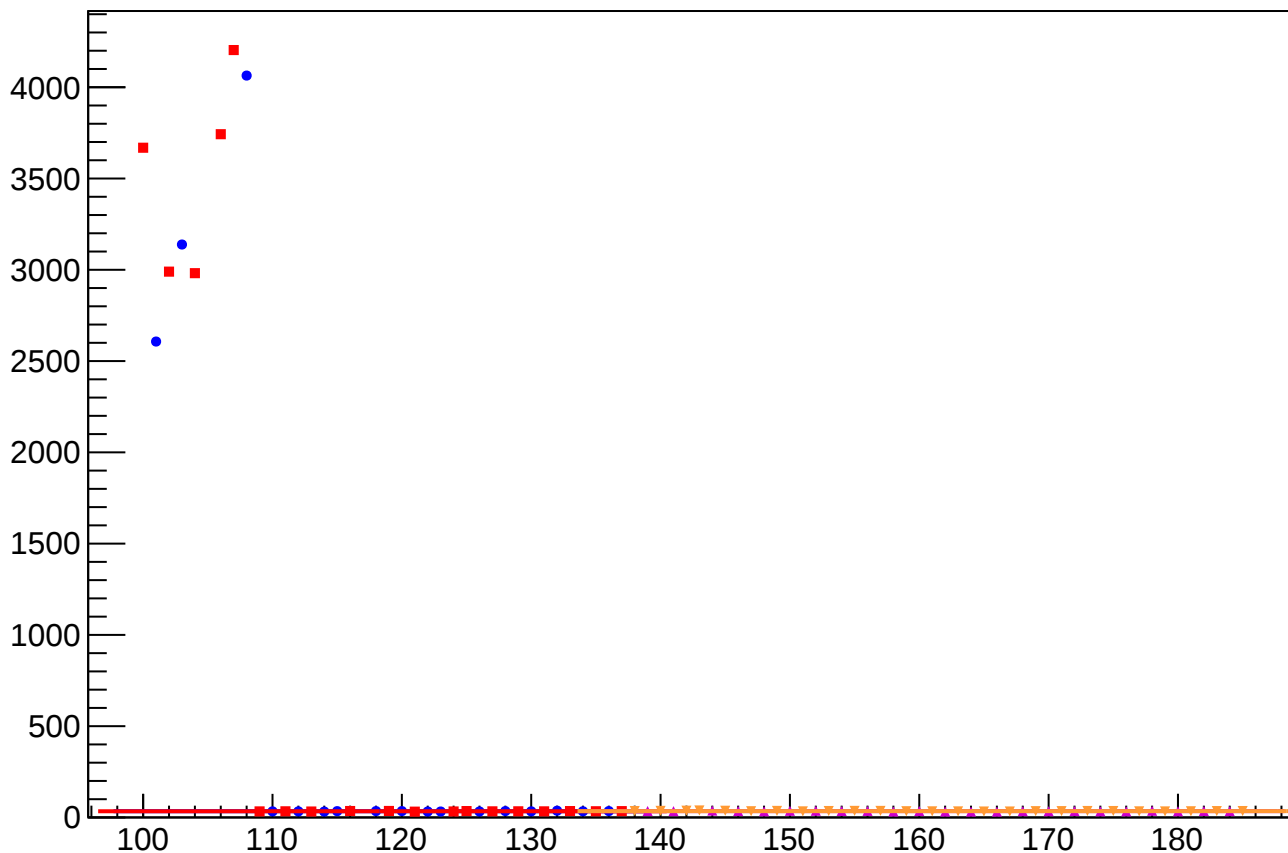
Right: 9.149 $\pm$ 10.640 χ^2 /NDF: 41.7/35

In: -2.987 $\pm$ 7.279 χ^2 /NDF:41.9/39

Out: -15.774 $\pm$ 7.103 χ^2 /NDF:51.4/43

All: -9.537 $\pm$ 5.084 χ^2 /NDF: 94.9/83

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.196+/-0.011 χ^2/NDF : 3006449.1/16

Left Out: 34.614+/-0.006 χ^2/NDF : 57945.0/24

Right Out: 33.933+/-0.011 χ^2/NDF : 3452016.9/18

Left In: 34.685+/-0.006 χ^2/NDF : 60315.2/22

Left: 34.649+/-0.004 χ^2/NDF : 118334.9/47

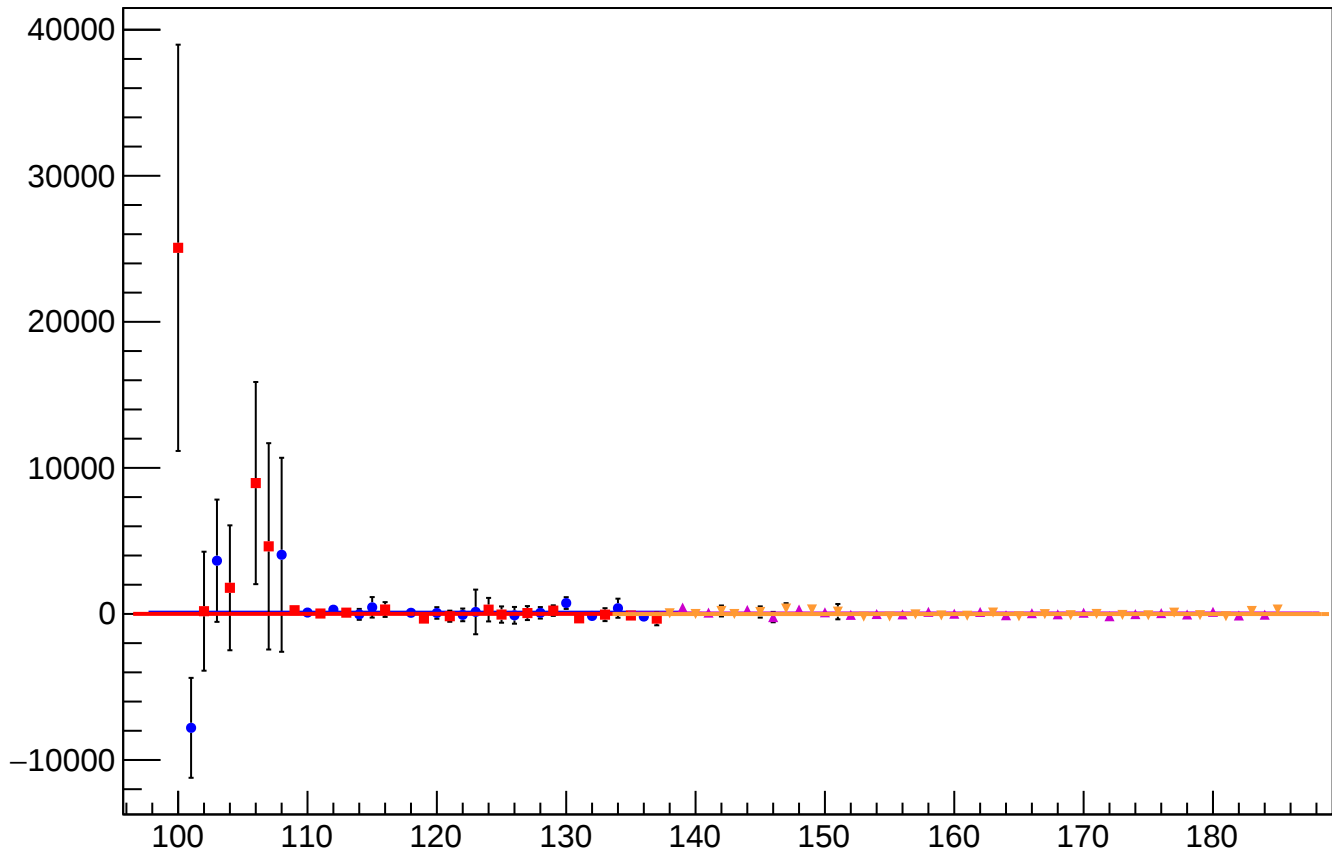
Right: 34.064+/-0.008 χ^2/NDF : 6458772.8/35

In: 34.571+/-0.005 χ^2/NDF : 3068371.7/39

Out: 34.461+/-0.005 χ^2/NDF : 3513164.7/43

All: 34.515+/-0.004 χ^2/NDF : 6581770.8/83

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 87.034+/-89.059 χ^2/NDF : 12.5/16

Left Out: -8.805+/-48.626 χ^2/NDF : 8.6/24

Right Out: 5.093+/-81.280 χ^2/NDF : 11.1/18

Left In: 34.127+/-46.296 χ^2/NDF : 7.4/22

Left: 13.714+/-33.530 χ^2/NDF : 16.5/47

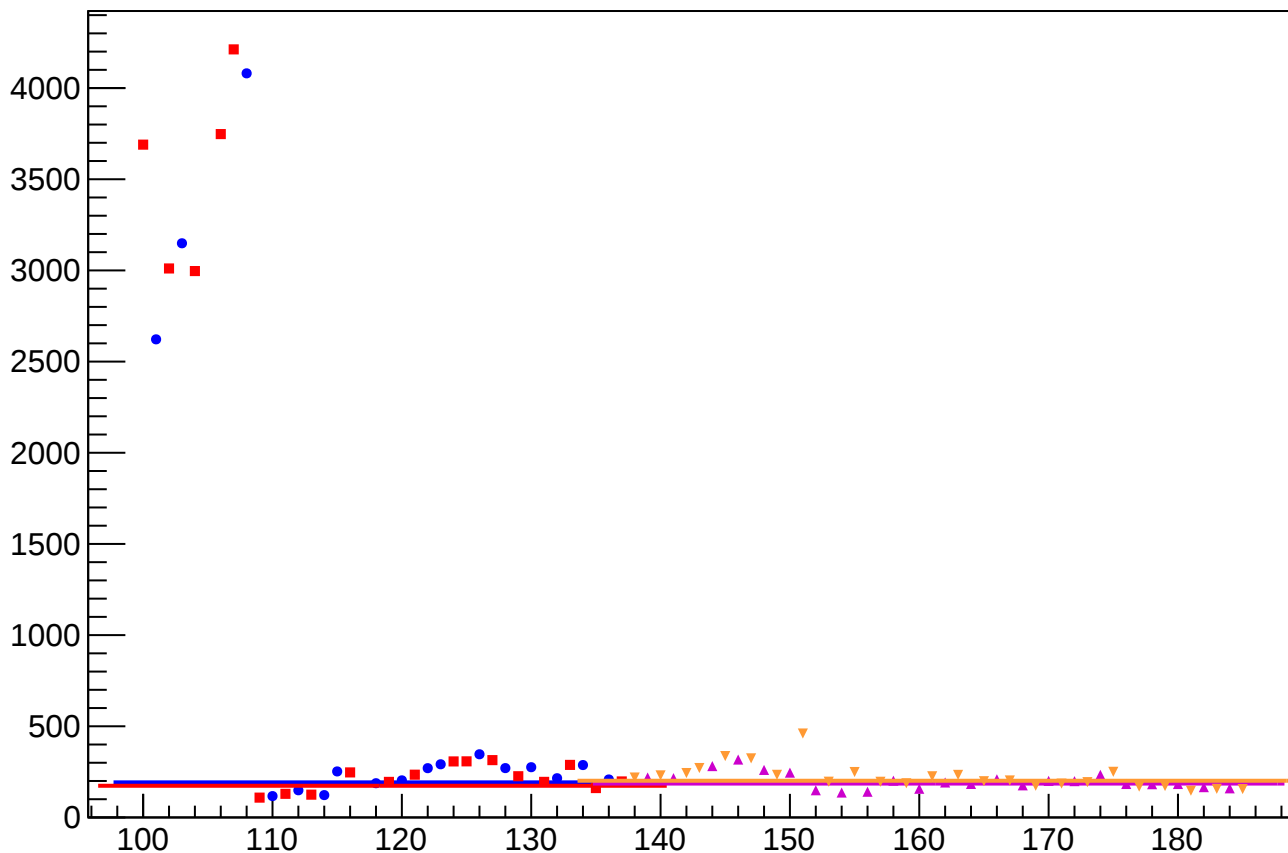
Right: 42.329+/-60.036 χ^2/NDF : 24.1/35

In: 45.383+/-41.078 χ^2/NDF : 20.2/39

Out: -5.142+/-41.729 χ^2/NDF : 19.8/43

All: 20.518+/-29.274 χ^2/NDF : 40.7/83

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.416+/-0.063 χ^2/NDF : 3577822.3/16

Left Out: 201.318+/-0.034 χ^2/NDF : 1850289.0/24

Right Out: 173.760+/-0.057 χ^2/NDF : 4205861.6/18

Left In: 185.854+/-0.033 χ^2/NDF : 1381771.9/22

Left: 193.206+/-0.024 χ^2/NDF : 3338157.1/47

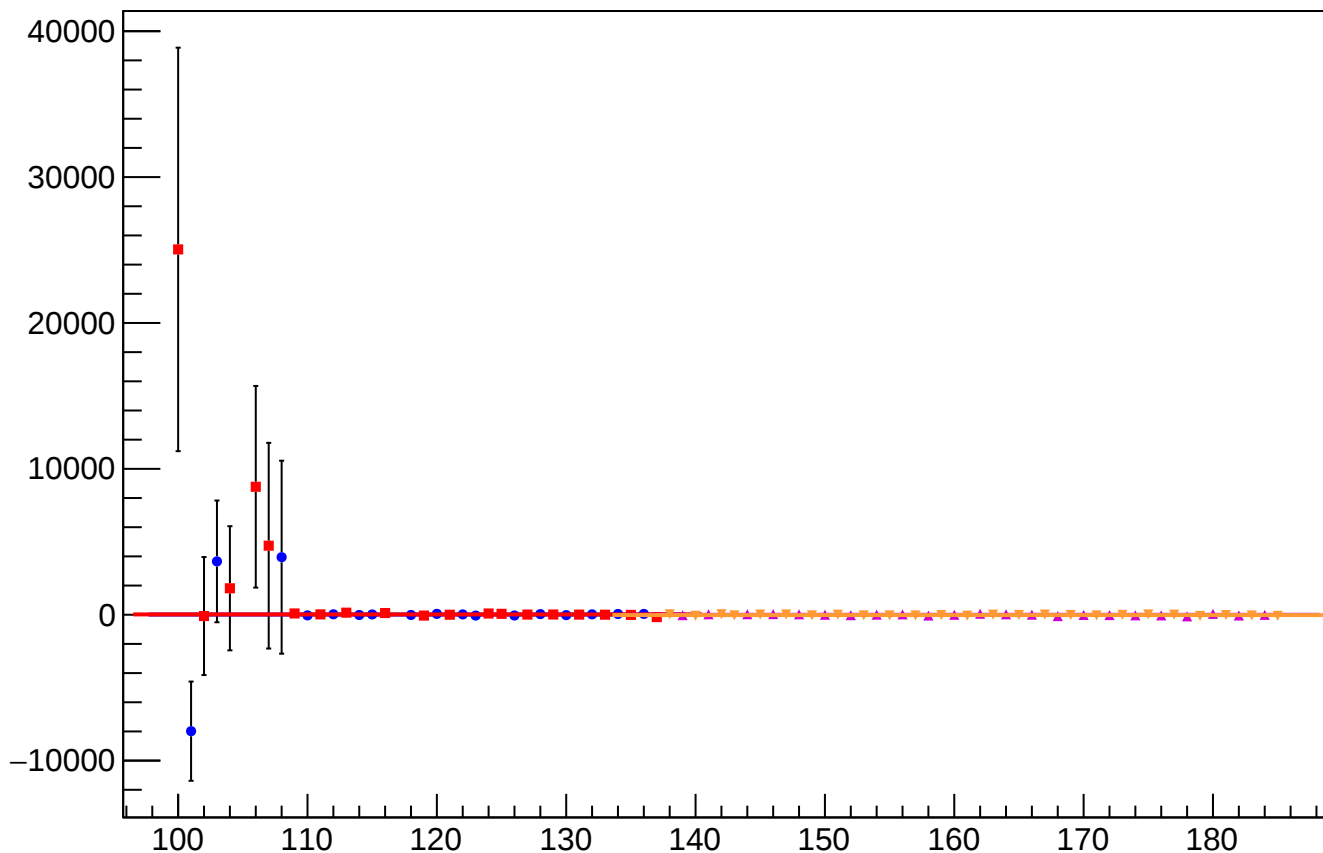
Right: 182.238+/-0.042 χ^2/NDF : 7831562.8/35

In: 187.250+/-0.029 χ^2/NDF : 4968142.2/39

Out: 194.054+/-0.030 χ^2/NDF : 6225456.3/43

All: 190.599+/-0.021 χ^2/NDF : 11220606.7/83

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 12.332 $\pm$ 13.769 χ^2 /NDF: 14.5/16

Left Out: -23.031 $\pm$ 7.341 χ^2 /NDF:18.9/24

Right Out: 22.098 $\pm$ 13.701 χ^2 /NDF: 27.9/18

Left In: -5.943 $\pm$ 7.550 χ^2 /NDF:38.3/22

Left: -14.727 $\pm$ 5.263 χ^2 /NDF: 59.9/47

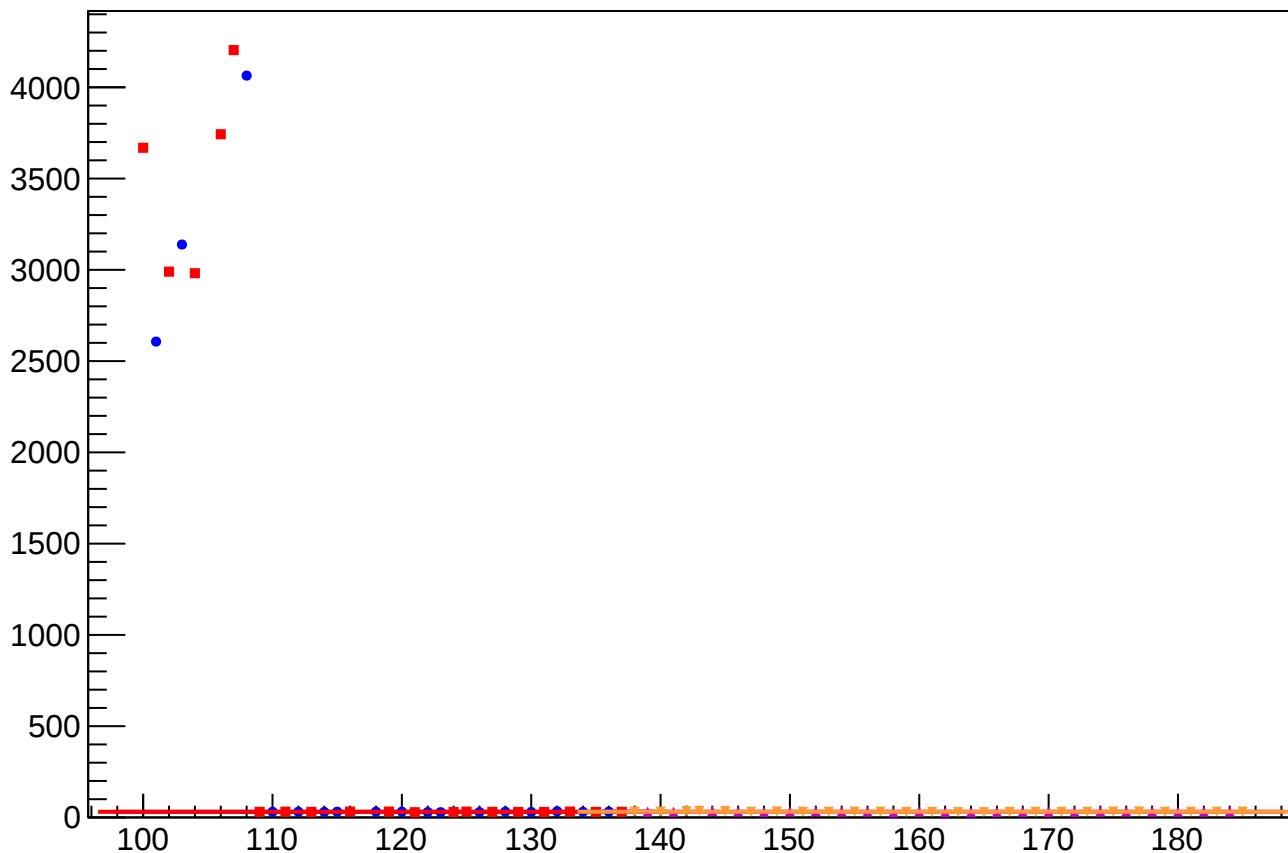
Right: 17.239 $\pm$ 9.712 χ^2 /NDF: 42.7/35

In: -1.719 $\pm$ 6.620 χ^2 /NDF:54.2/39

Out: -12.965 $\pm$ 6.471 χ^2 /NDF:55.2/43

All: -7.470 $\pm$ 4.627 χ^2 /NDF: 110.9/83

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.184+/-0.010 χ^2/NDF : 3014248.1/16

Left Out: 31.482+/-0.005 χ^2/NDF : 82438.5/24

Right Out: 30.984+/-0.010 χ^2/NDF : 3458879.7/18

Left In: 31.484+/-0.005 χ^2/NDF : 87981.1/22

Left: 31.483+/-0.004 χ^2/NDF : 170419.8/47

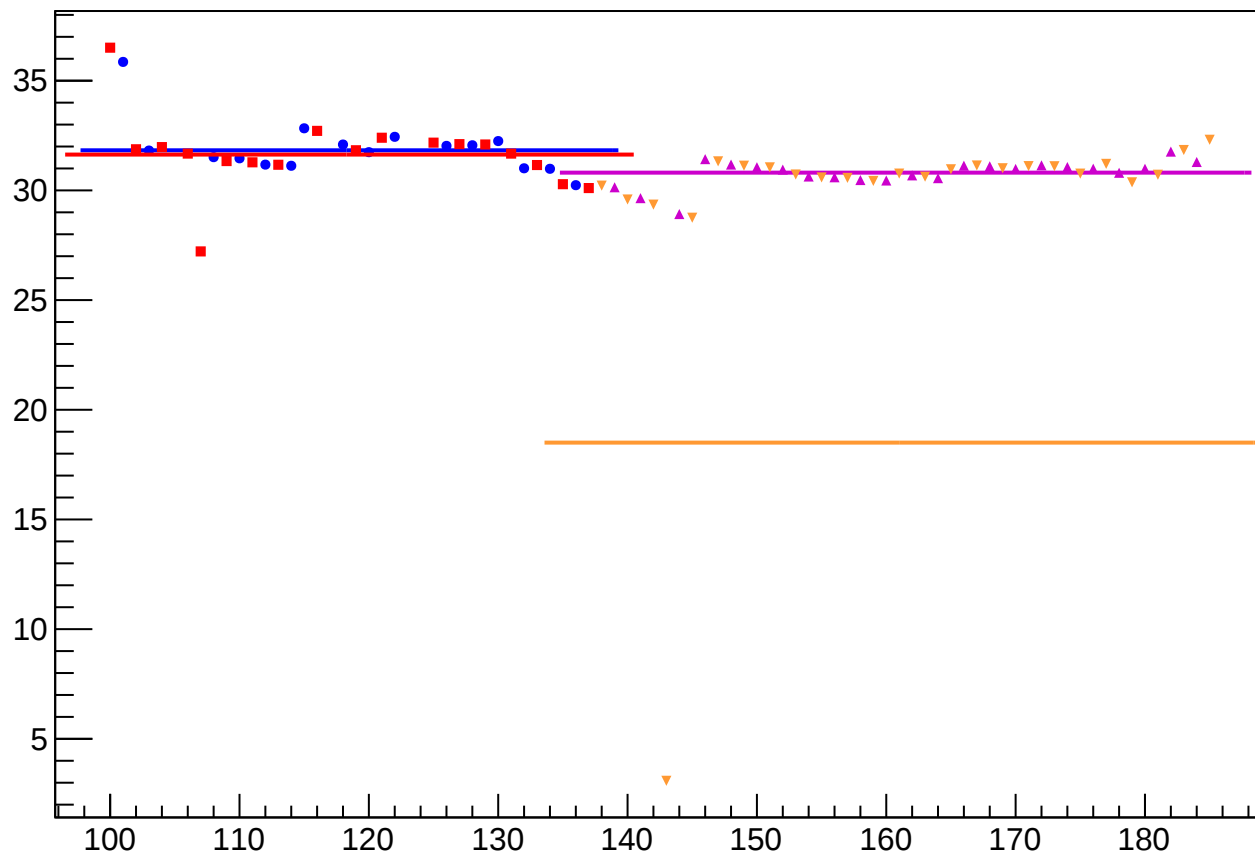
Right: 31.084+/-0.007 χ^2/NDF : 6473339.7/35

In: 31.415+/-0.005 χ^2/NDF : 3102959.8/39

Out: 31.371+/-0.005 χ^2/NDF : 3543365.0/43

All: 31.392+/-0.003 χ^2/NDF : 6646370.8/83

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.828+/-0.000 χ^2/NDF : 1553310195.5/15

Left Out: 18.503+/-0.000 χ^2/NDF : 940490268476.6/24

Right Out: 31.633+/-0.000 χ^2/NDF : 860874235.3/17

Left In: 30.809+/-0.000 χ^2/NDF : 821961762.3/22

Left: 22.805+/-0.000 χ^2/NDF : 1203874955144.4/47

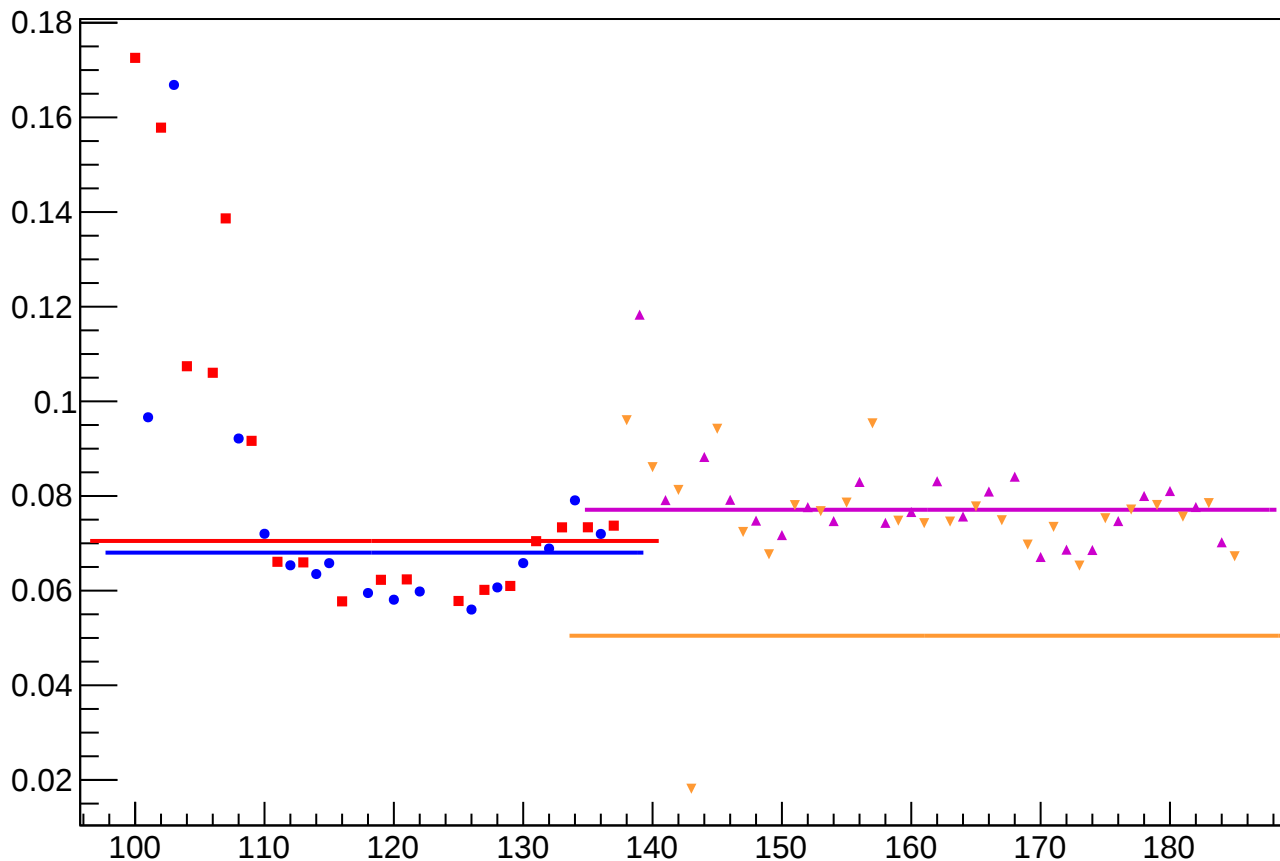
Right: 31.733+/-0.000 χ^2/NDF : 2437244859.0/33

In: 31.133+/-0.000 χ^2/NDF : 3255285062.3/38

Out: 21.037+/-0.000 χ^2/NDF : 1106344395643.0/42

All: 24.963+/-0.000 χ^2/NDF : 1353152673421

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 632212.4/15

Left Out: 0.050 $\pm$ 0.000 χ^2 /NDF:8542262.1/24

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 838852.0/17

Left In: 0.077 $\pm$ 0.000 χ^2 /NDF:325844.3/22

Left: 0.060 $\pm$ 0.000 χ^2 /NDF: 11324760.8/47

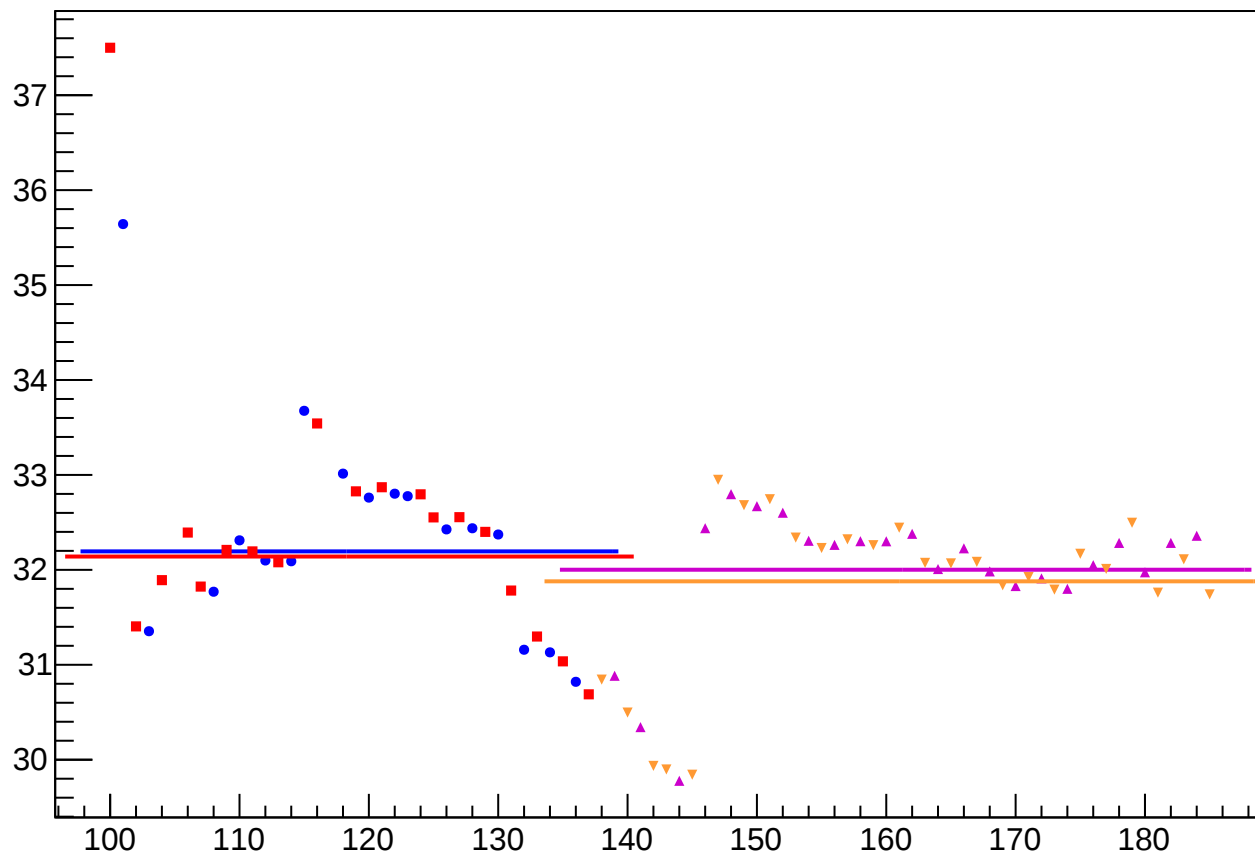
Right: 0.069 $\pm$ 0.000 χ^2 /NDF: 1478459.9/33

In: 0.074 $\pm$ 0.000 χ^2 /NDF:1097293.1/38

Out: 0.054 $\pm$ 0.000 χ^2 /NDF:10148665.7/42

All: 0.062 $\pm$ 0.000 χ^2 /NDF: 13132690.2/81

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.195+/-0.000 χ^2/NDF : 1002008039.3/16

Left Out: 31.879+/-0.000 χ^2/NDF : 1976220828.9/24

Right Out: 32.140+/-0.000 χ^2/NDF : 421423009.8/18

Left In: 32.001+/-0.000 χ^2/NDF : 1411110671.9/22

Left: 31.939+/-0.000 χ^2/NDF : 3408331693.4/47

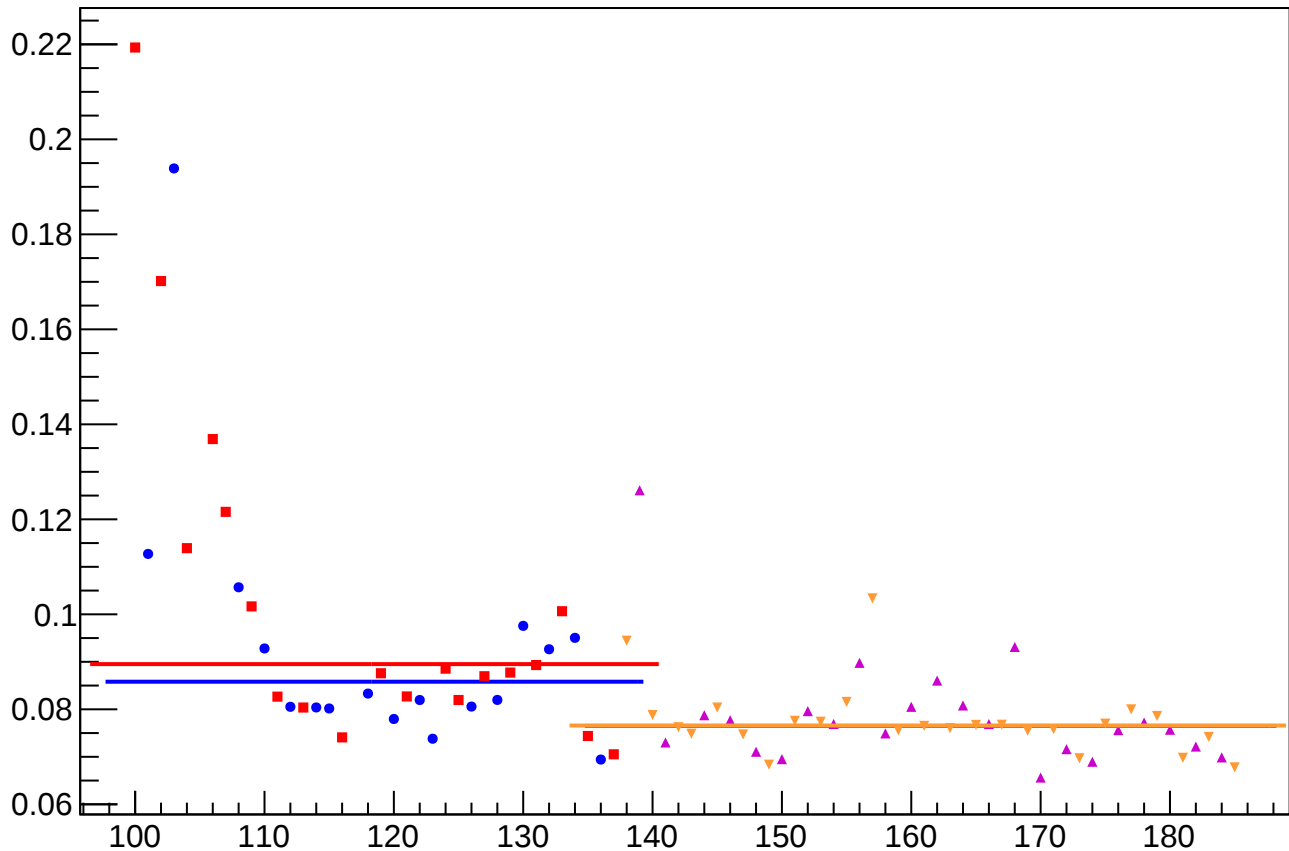
Right: 32.168+/-0.000 χ^2/NDF : 1424570223.8/35

In: 32.044+/-0.000 χ^2/NDF : 2435921536.4/39

Out: 31.934+/-0.000 χ^2/NDF : 2438856708.7/43

All: 31.988+/-0.000 χ^2/NDF : 4896607292.7/8

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 554772.3/16

Left Out: 0.077+/-0.000 χ^2/NDF : 209728.5/24

Right Out: 0.090+/-0.000 χ^2/NDF : 539119.2/18

Left In: 0.076+/-0.000 χ^2/NDF : 432563.3/22

Left: 0.077+/-0.000 χ^2/NDF : 642314.2/47

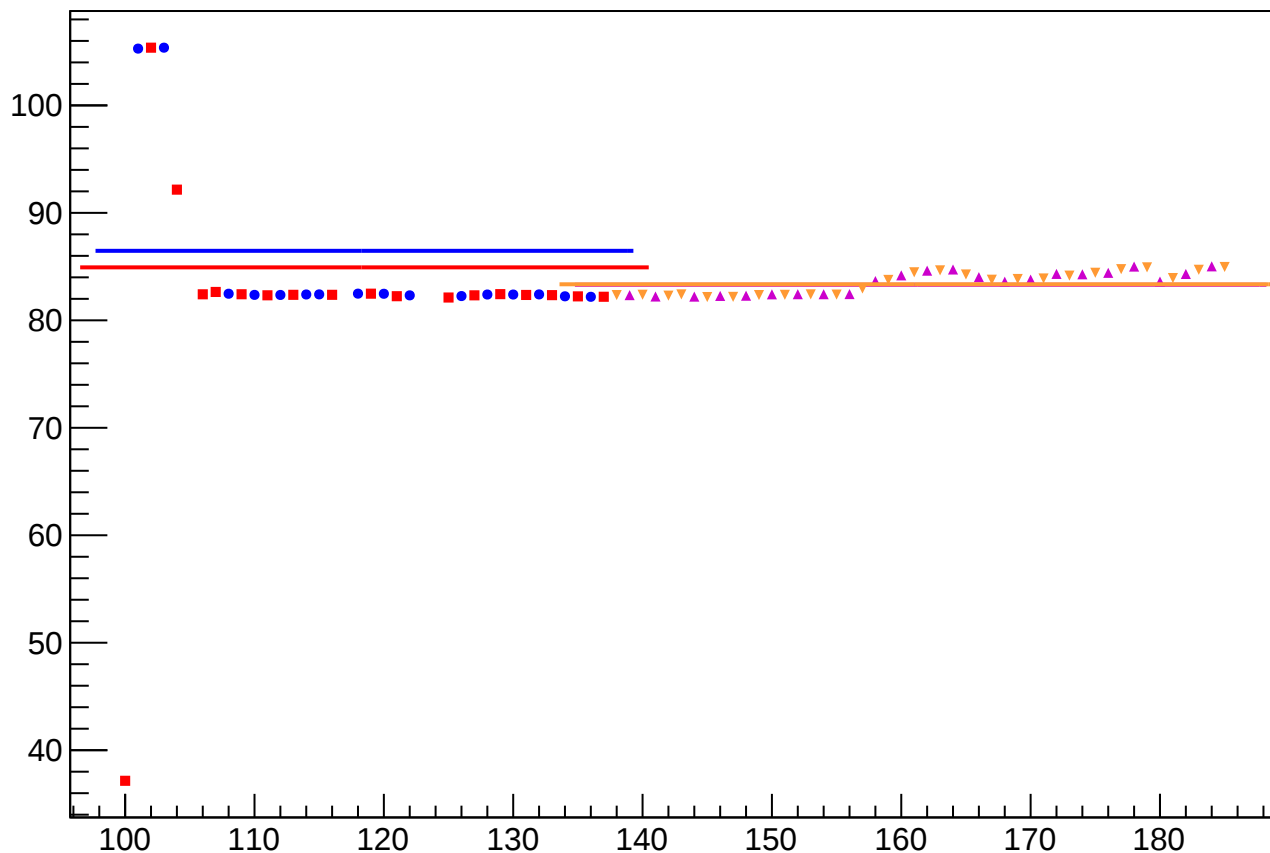
Right: 0.088+/-0.000 χ^2/NDF : 1104533.7/35

In: 0.079+/-0.000 χ^2/NDF : 1093212.5/39

Out: 0.079+/-0.000 χ^2/NDF : 950770.4/43

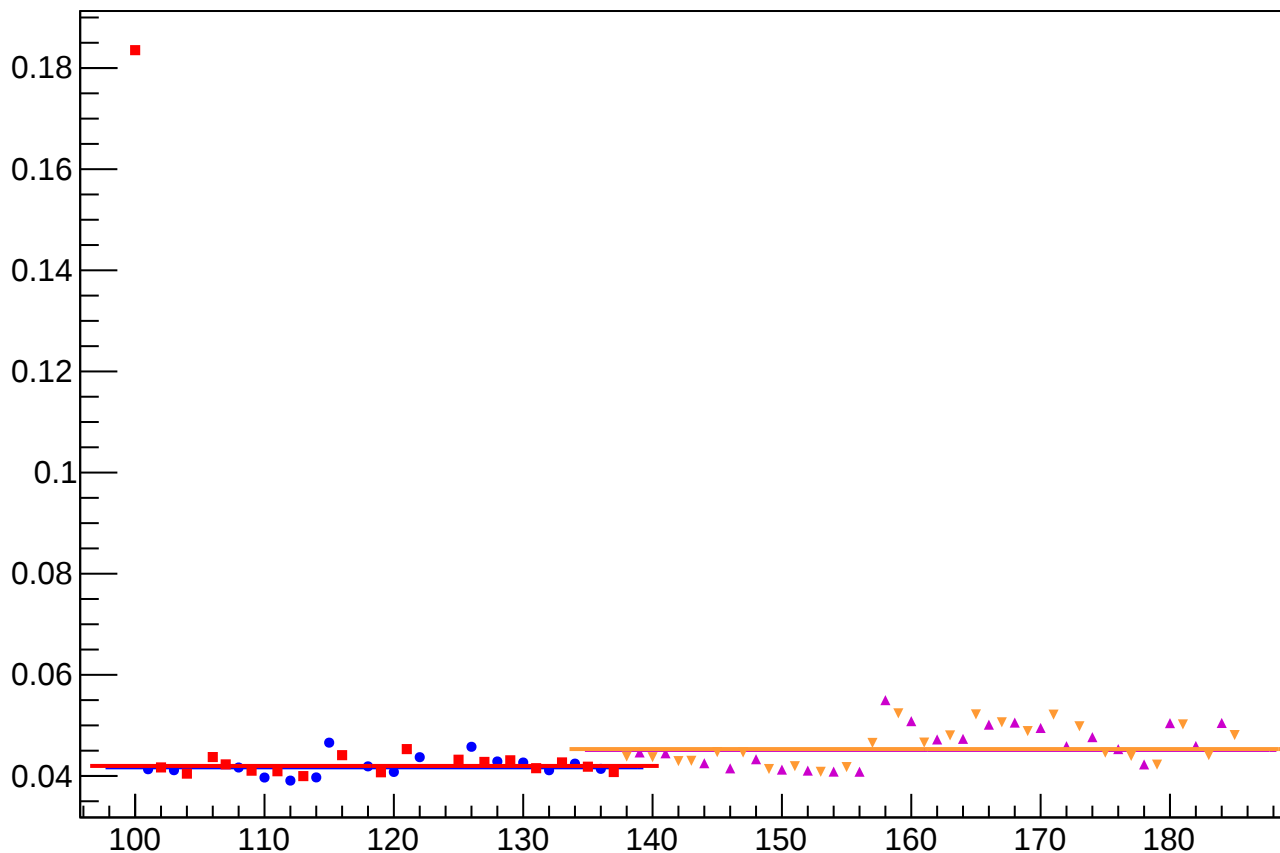
All: 0.079+/-0.000 χ^2/NDF : 2045916.2/83

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.468+/-0.000	χ^2/NDF : 291253714999.8/15	Left: 83.332+/-0.000	χ^2/NDF : 17565022313.9/47
Left Out: 83.354+/-0.000	χ^2/NDF : 9134988828.8/24	Right: 85.685+/-0.000	χ^2/NDF : 467884612641.3/33
Right Out: 84.929+/-0.000	χ^2/NDF : 172101973960.6/17	In: 84.292+/-0.000	χ^2/NDF : 325510748675.6/38
Left In: 83.309+/-0.000	χ^2/NDF : 8421247810.9/22	Out: 83.841+/-0.000	χ^2/NDF : 187902756564.7/42
		All: 84.062+/-0.000	χ^2/NDF : 514666655999.0

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 19442.4/15

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:211166.3/24

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 96987.8/17

Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:242885.4/22

Left: 0.045 $\pm$ 0.000 χ^2 /NDF: 454316.7/47

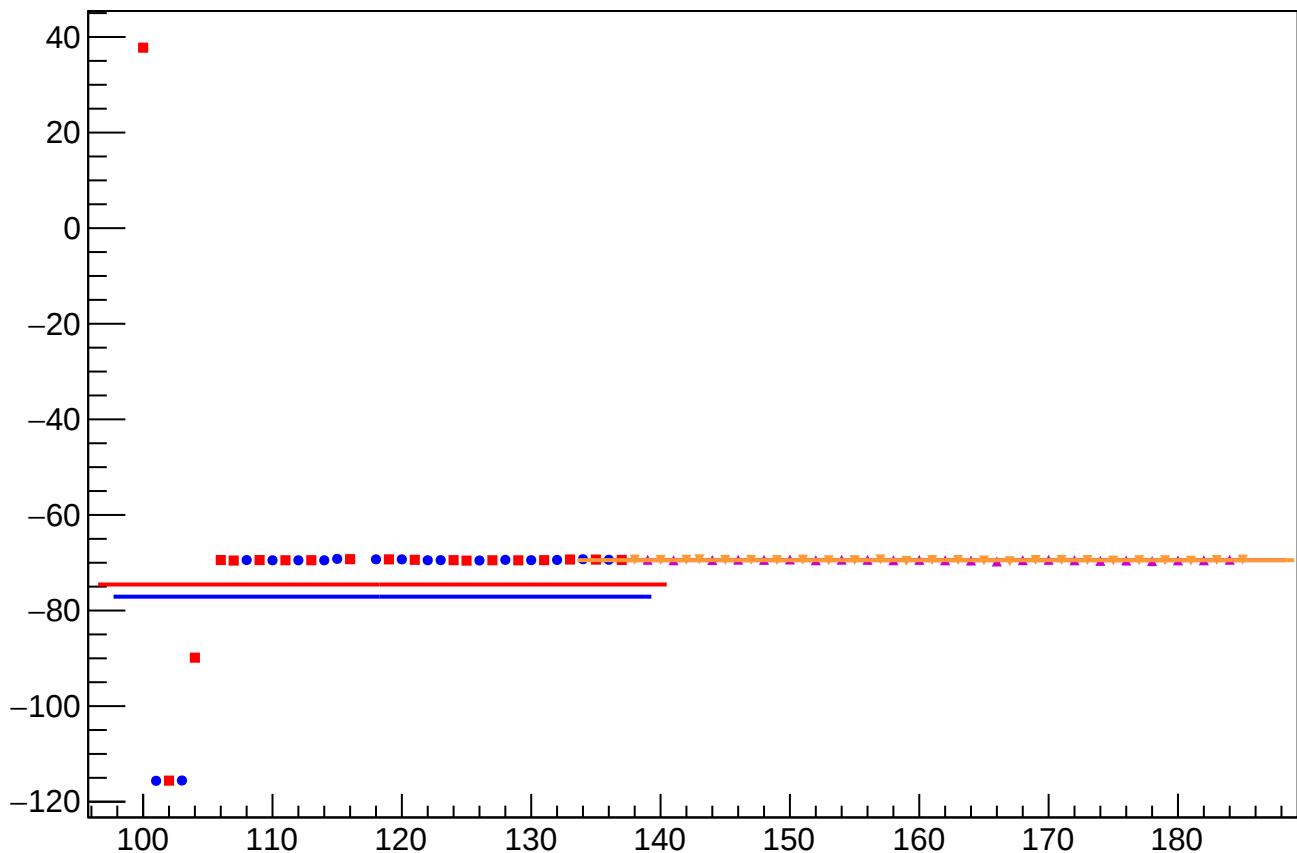
Right: 0.042 $\pm$ 0.000 χ^2 /NDF: 116719.0/33

In: 0.044 $\pm$ 0.000 χ^2 /NDF:323382.4/38

Out: 0.044 $\pm$ 0.000 χ^2 /NDF:367984.6/42

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 691931.3/81

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.101+/-0.000 χ^2/NDF : 564992278701.1/16

Left Out: -69.461+/-0.000 χ^2/NDF : 49572773.0/24

Right Out: -74.552+/-0.000 χ^2/NDF : 371830924165.2/18

Left In: -69.458+/-0.000 χ^2/NDF : 52798704.3/22

Left: -69.460+/-0.000 χ^2/NDF : 102399585.6/47

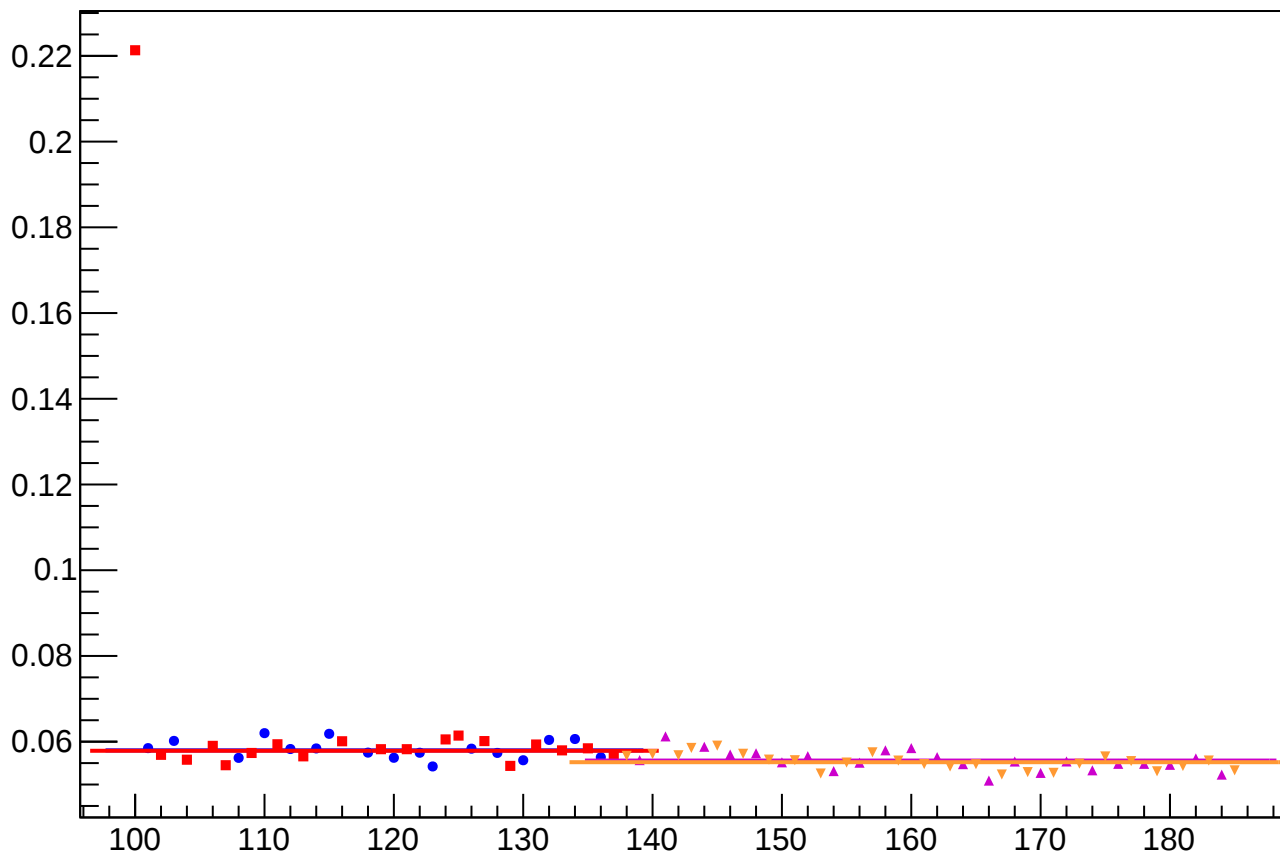
Right: -75.784+/-0.000 χ^2/NDF : 943228509649.0/3

In: -71.440+/-0.000 χ^2/NDF : 647611656547.7/39

Out: -70.781+/-0.000 χ^2/NDF : 411051326596.7/43

All: -71.100+/-0.000 χ^2/NDF : 106031402156

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 12317.7/16

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:38778.8/24

Right Out: 0.058 $\pm$ 0.000 χ^2 /NDF: 87700.9/18

Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:52190.5/22

Left: 0.055 $\pm$ 0.000 χ^2 /NDF: 91793.1/47

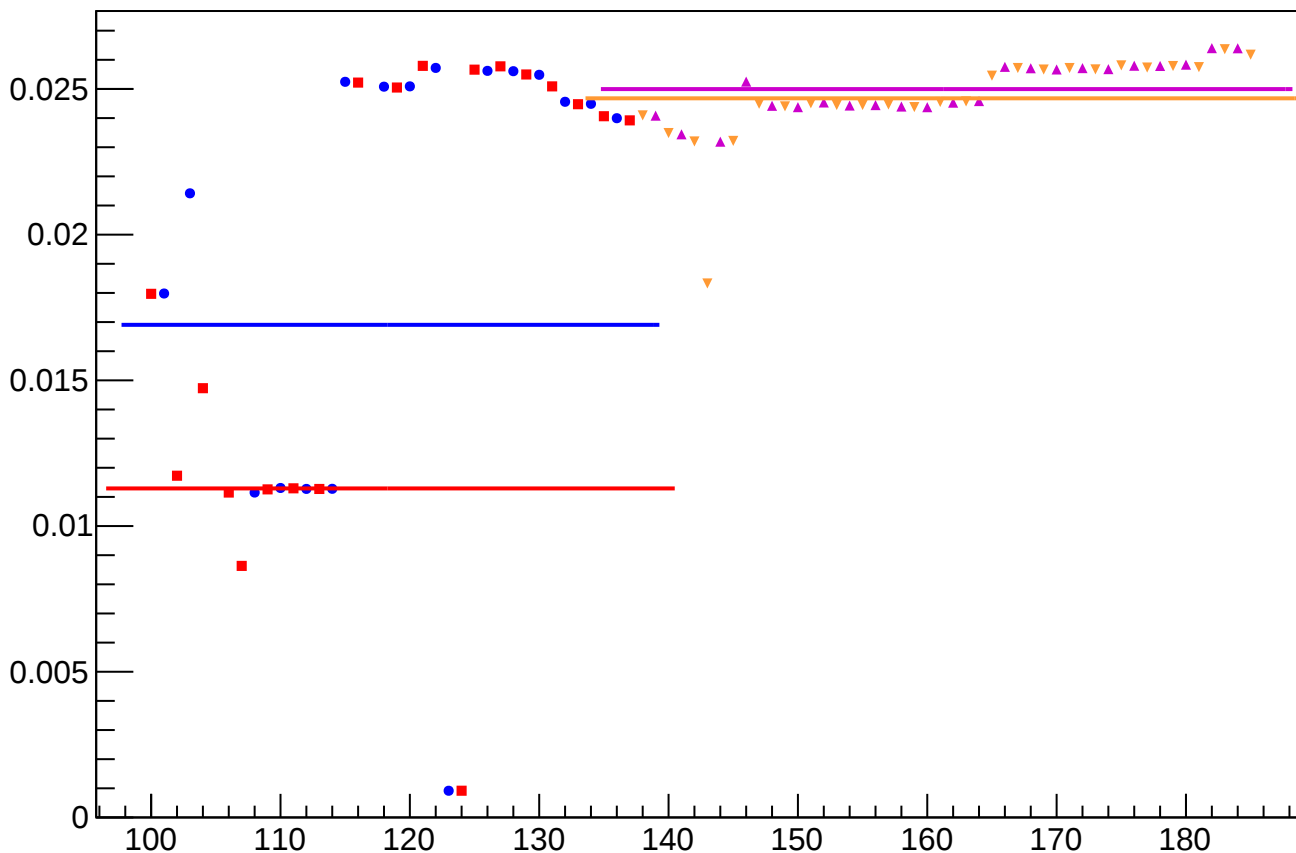
Right: 0.058 $\pm$ 0.000 χ^2 /NDF: 100037.7/35

In: 0.056 $\pm$ 0.000 χ^2 /NDF:80521.9/39

Out: 0.056 $\pm$ 0.000 χ^2 /NDF:147932.4/43

All: 0.056 $\pm$ 0.000 χ^2 /NDF: 229179.9/83

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.000 χ^2/NDF : 126025885261.2/16

Left Out: 0.025 $\pm$ 0.000 χ^2/NDF : 9637796091.6/24

Right Out: 0.011 $\pm$ 0.000 χ^2/NDF : 233231439443.8/18

Left In: 0.025 $\pm$ 0.000 χ^2/NDF : 2462473687.7/22

Left: 0.025 $\pm$ 0.000 χ^2/NDF : 12282092250.3/47

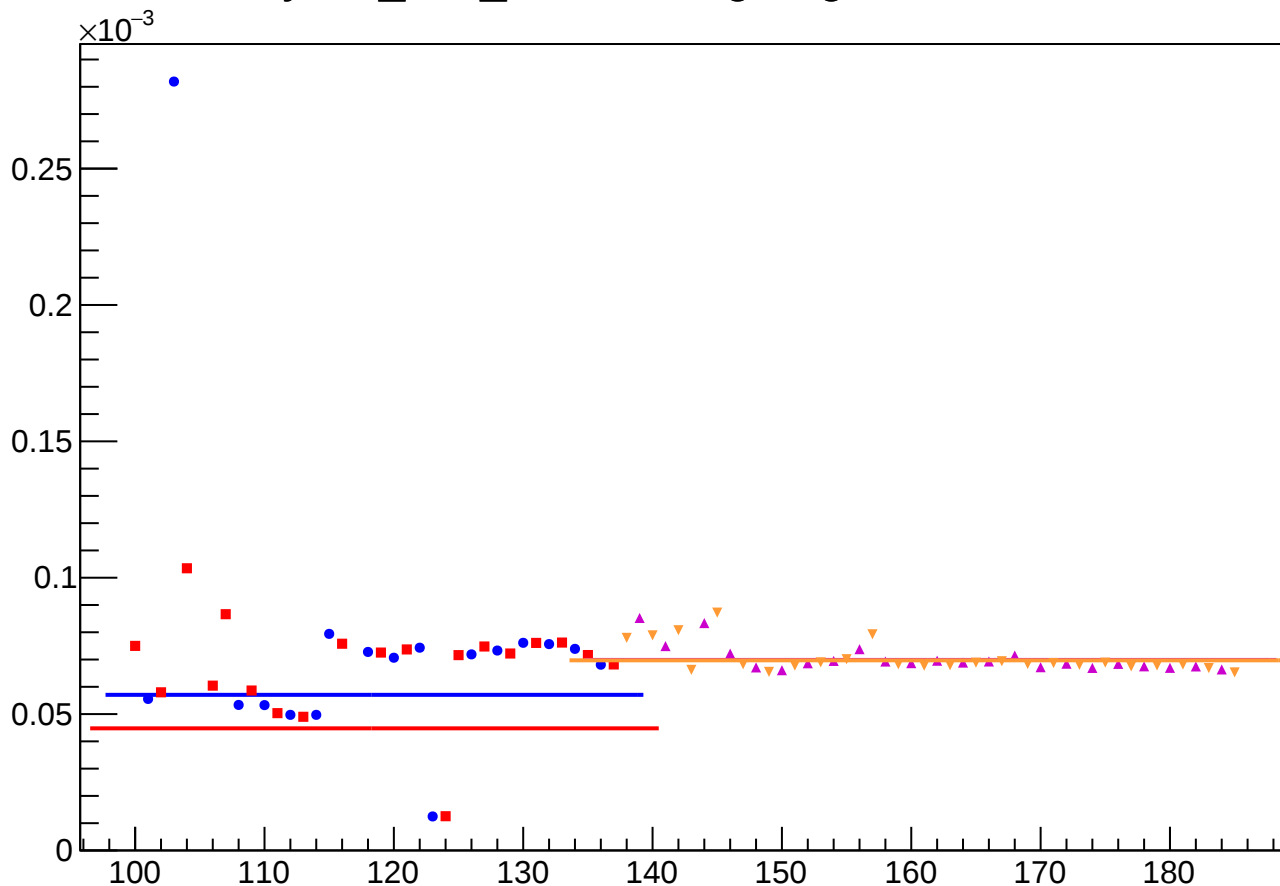
Right: 0.014 $\pm$ 0.000 χ^2/NDF : 390315372797.0/35

In: 0.022 $\pm$ 0.000 χ^2/NDF : 202807995367.9/39

Out: 0.019 $\pm$ 0.000 χ^2/NDF : 503712066909.1/43

All: 0.021 $\pm$ 0.000 χ^2/NDF : 730944425043.3

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 1998313.1/16

Left Out: 0.000+/-0.000 χ^2/NDF :158097.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 3584797.7/18

Left In: 0.000+/-0.000 χ^2/NDF :129289.8/22

Left: 0.000+/-0.000 χ^2/NDF : 287459.5/47

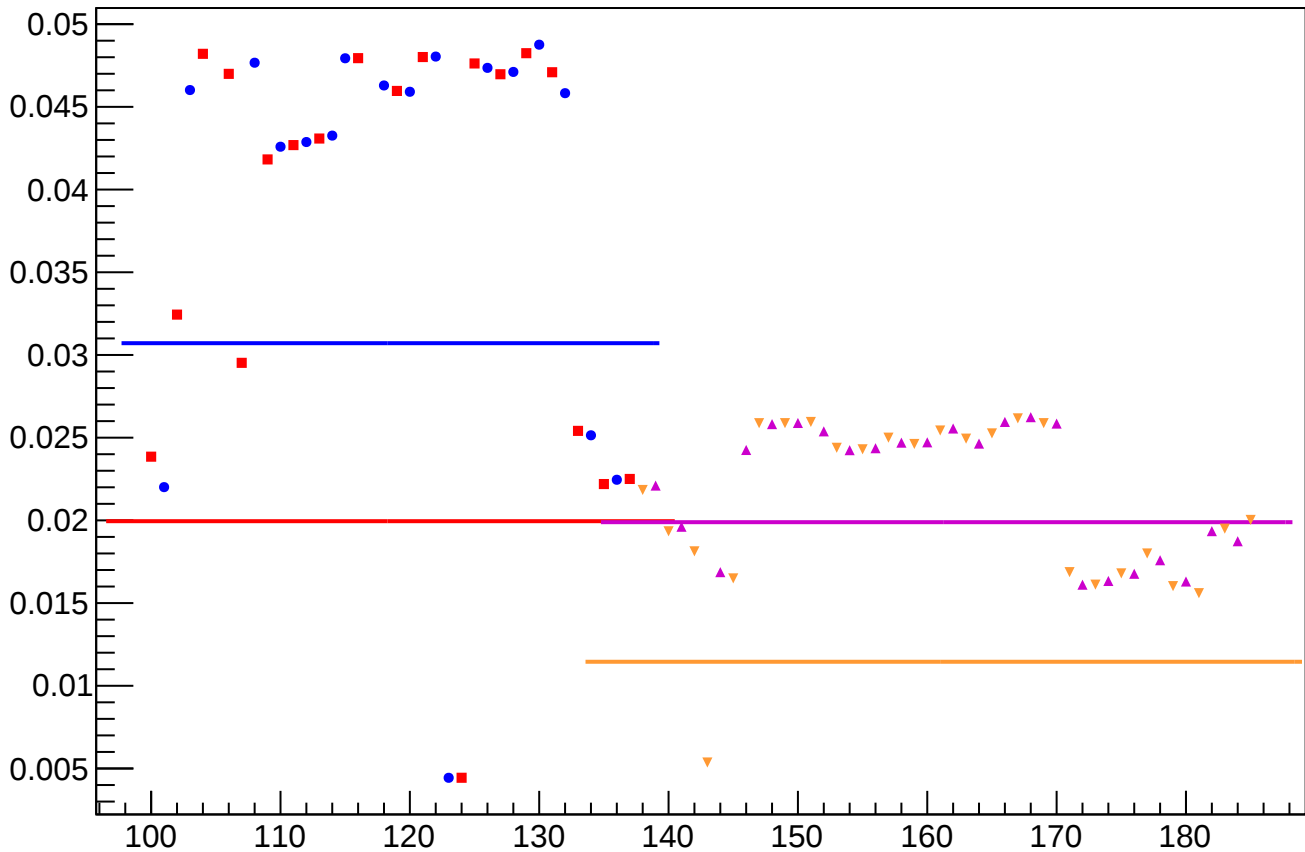
Right: 0.000+/-0.000 χ^2/NDF : 5880543.5/35

In: 0.000+/-0.000 χ^2/NDF :2499538.5/39

Out: 0.000+/-0.000 χ^2/NDF :5553711.1/43

All: 0.000+/-0.000 χ^2/NDF : 8240776.9/83

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000

χ^2/NDF : 21081896587.0/16

Left: 0.014+/-0.000

χ^2/NDF : 59525106133.8/47

Left Out: 0.011+/-0.000

χ^2/NDF : 40288864765.9/24

Right: 0.024+/-0.000

χ^2/NDF : 65945636708.3/35

Right Out: 0.020+/-0.000

χ^2/NDF : 39758690289.2/18

In: 0.022+/-0.000

χ^2/NDF : 32208265927.1/39

Out: 0.013+/-0.000

χ^2/NDF : 87314170398.7/43

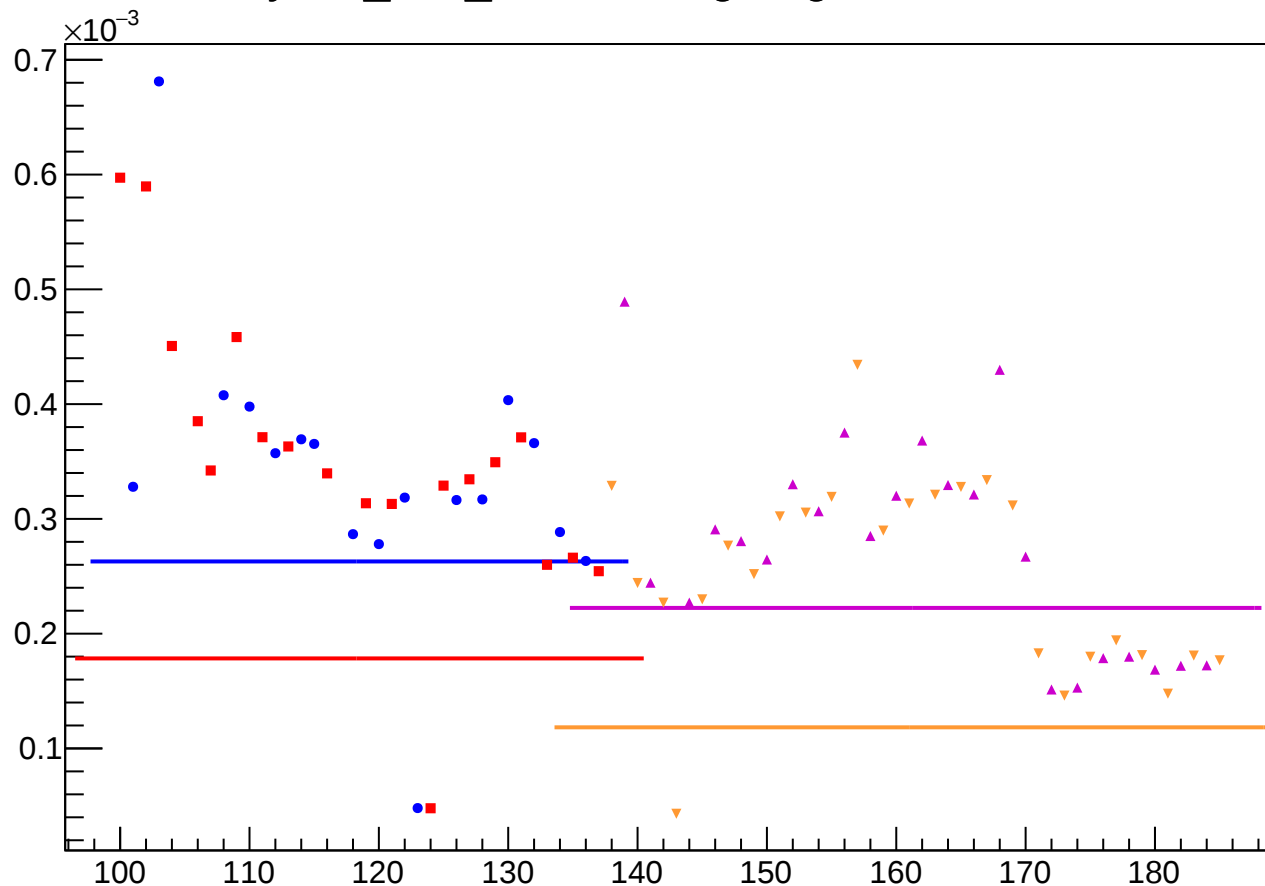
Left In: 0.020+/-0.000

χ^2/NDF : 4458790813.3/22

All: 0.015+/-0.000

χ^2/NDF : 141629213244.7

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2393587.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :13561414.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 5332040.2/18

Left In: 0.000+/-0.000 χ^2/NDF :3281119.0/22

Left: 0.000+/-0.000 χ^2/NDF : 21335873.5/47

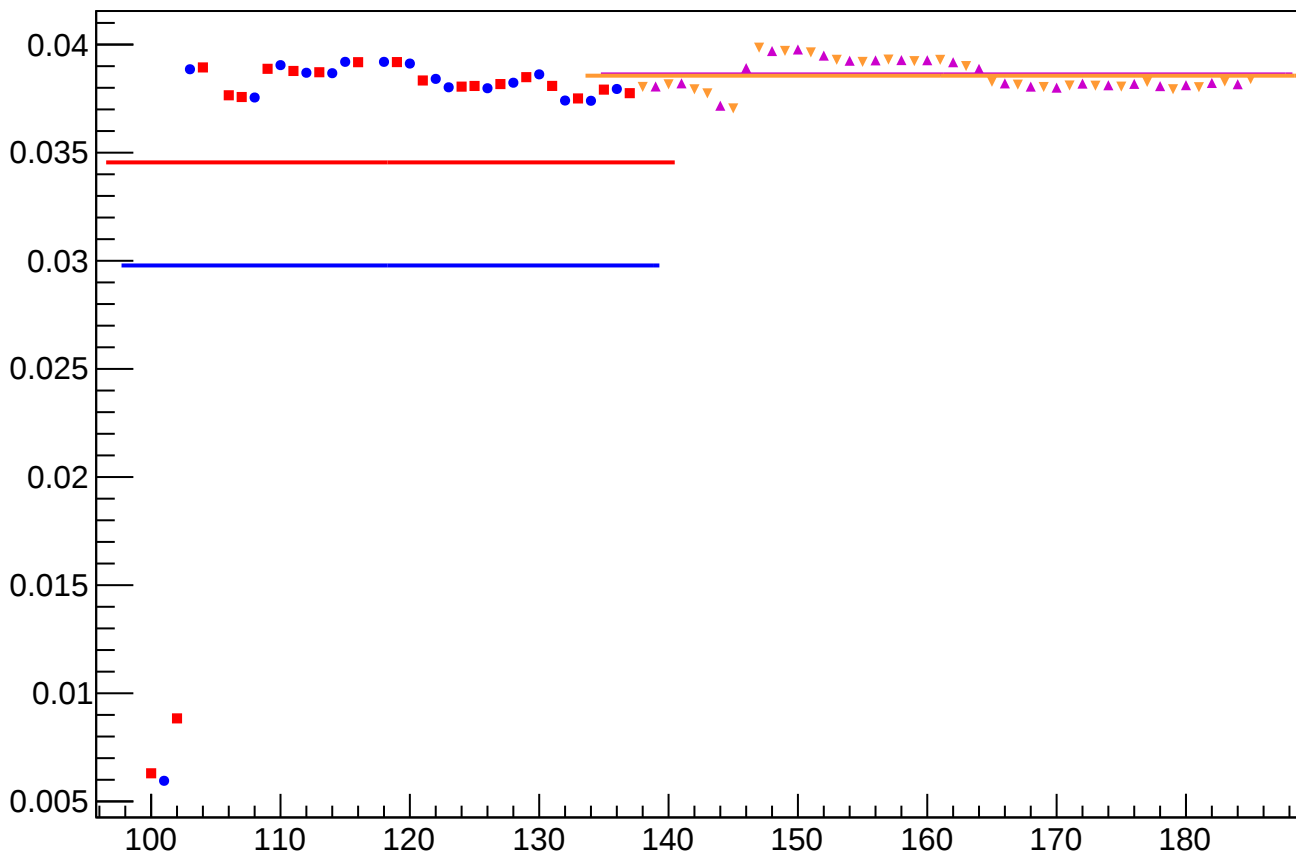
Right: 0.000+/-0.000 χ^2/NDF : 8355047.6/35

In: 0.000+/-0.000 χ^2/NDF :5861406.4/39

Out: 0.000+/-0.000 χ^2/NDF :19618885.8/43

All: 0.000+/-0.000 χ^2/NDF : 30895528.2/83

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000

χ^2/NDF : 96939094269.8/16

Left: 0.039+/-0.000

χ^2/NDF : 1007010455.4/47

Left Out: 0.039+/-0.000

χ^2/NDF : 539444361.3/24

Right: 0.032+/-0.000

χ^2/NDF : 145599934598.0/35

Right Out: 0.035+/-0.000

χ^2/NDF : 43542773475.9/18

In: 0.036+/-0.000

χ^2/NDF : 122558573059.1/39

Out: 0.037+/-0.000

χ^2/NDF : 49038020846.2/43

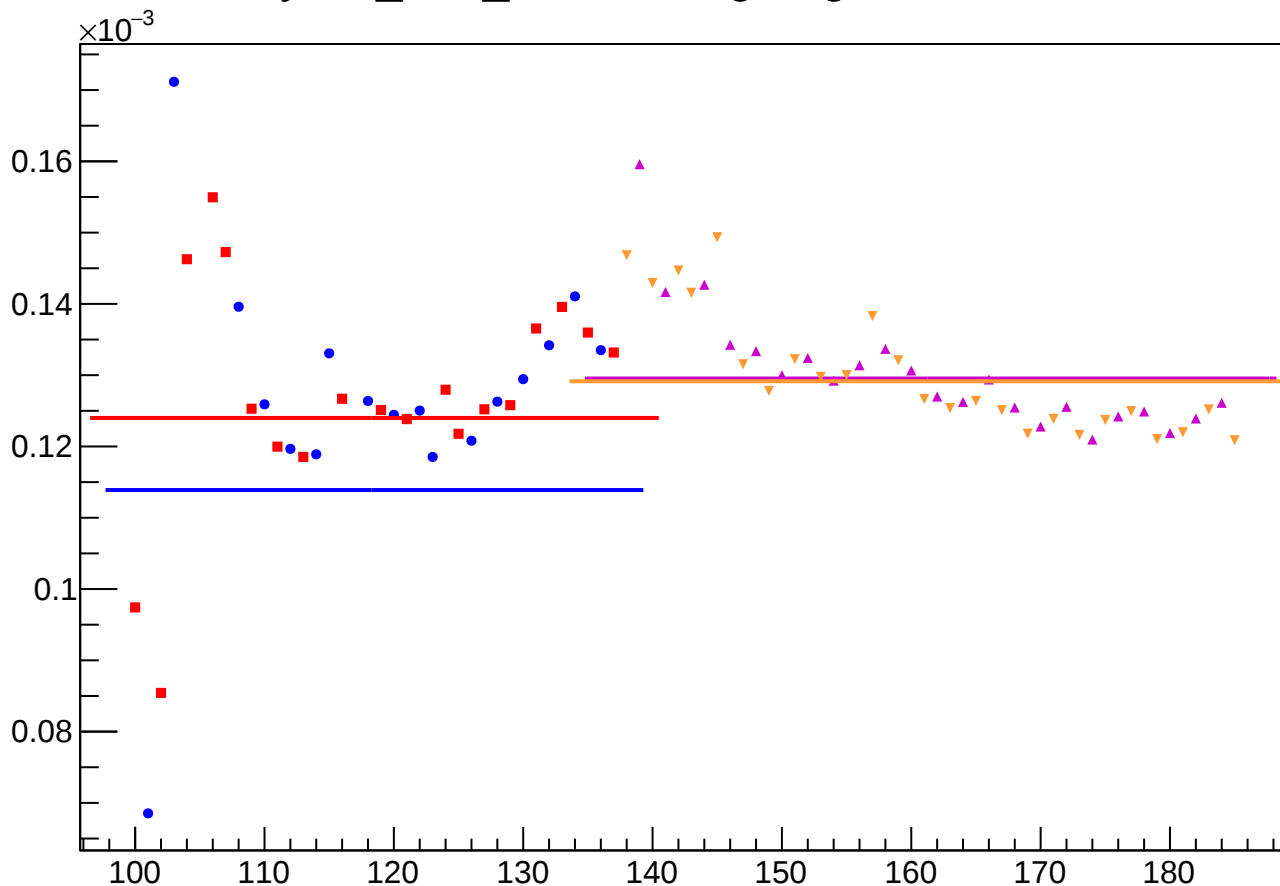
Left In: 0.039+/-0.000

χ^2/NDF : 465745982.6/22

All: 0.037+/-0.000

χ^2/NDF : 173502105807.7

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 792994.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :130310.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 245068.5/18

Left In: 0.000+/-0.000 χ^2/NDF :114763.2/22

Left: 0.000+/-0.000 χ^2/NDF : 245223.0/47

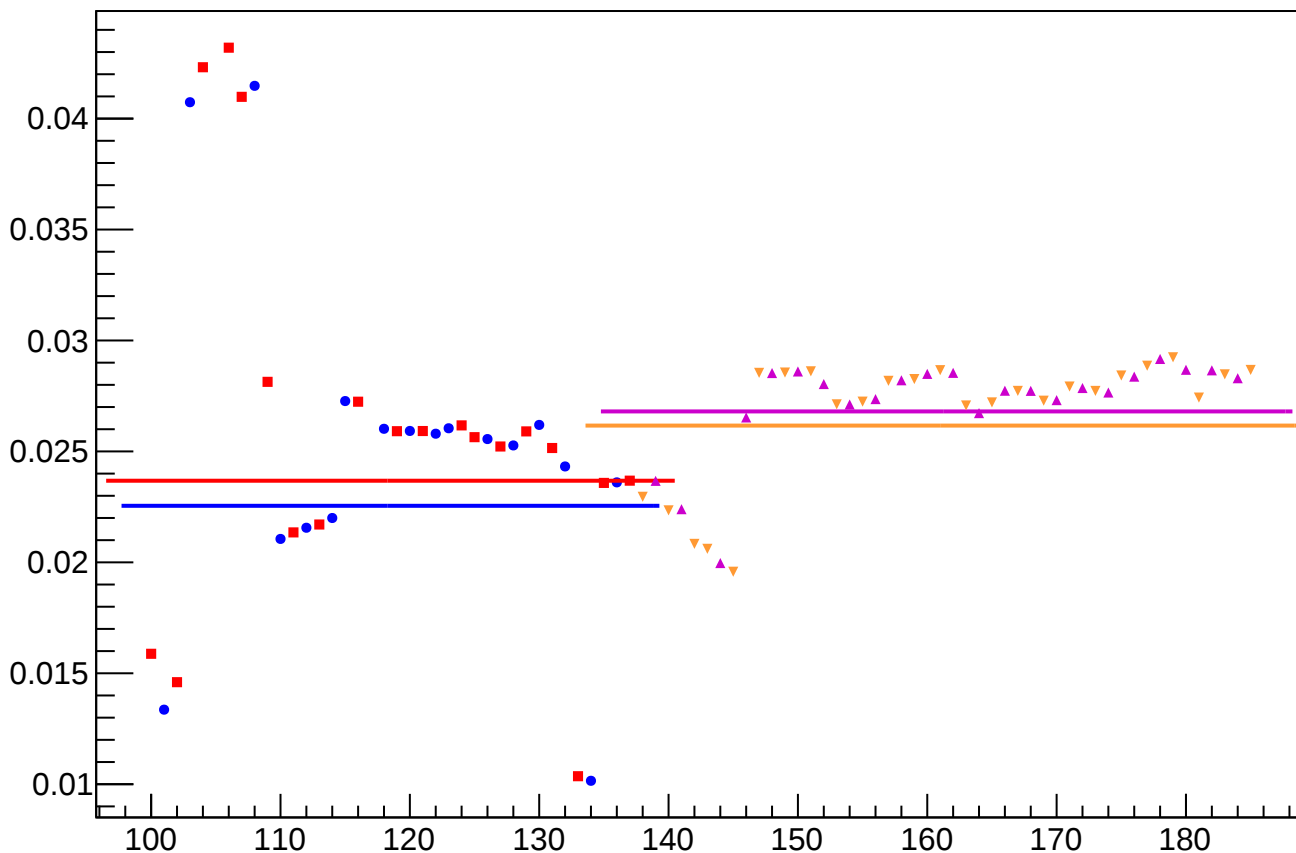
Right: 0.000+/-0.000 χ^2/NDF : 1084124.4/35

In: 0.000+/-0.000 χ^2/NDF :1065379.3/39

Out: 0.000+/-0.000 χ^2/NDF :391730.3/43

All: 0.000+/-0.000 χ^2/NDF : 1471561.5/83

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000

χ^2/NDF : 4235847516.4/16

Left: 0.026+/-0.000

χ^2/NDF : 3427801423.3/47

Left Out: 0.026+/-0.000

χ^2/NDF : 2056549157.6/24

Right: 0.023+/-0.000

χ^2/NDF : 9935654674.4/35

Right Out: 0.024+/-0.000

χ^2/NDF : 5643986297.3/18

In: 0.025+/-0.000

χ^2/NDF : 6662492696.7/39

Out: 0.025+/-0.000

χ^2/NDF : 8069712618.4/43

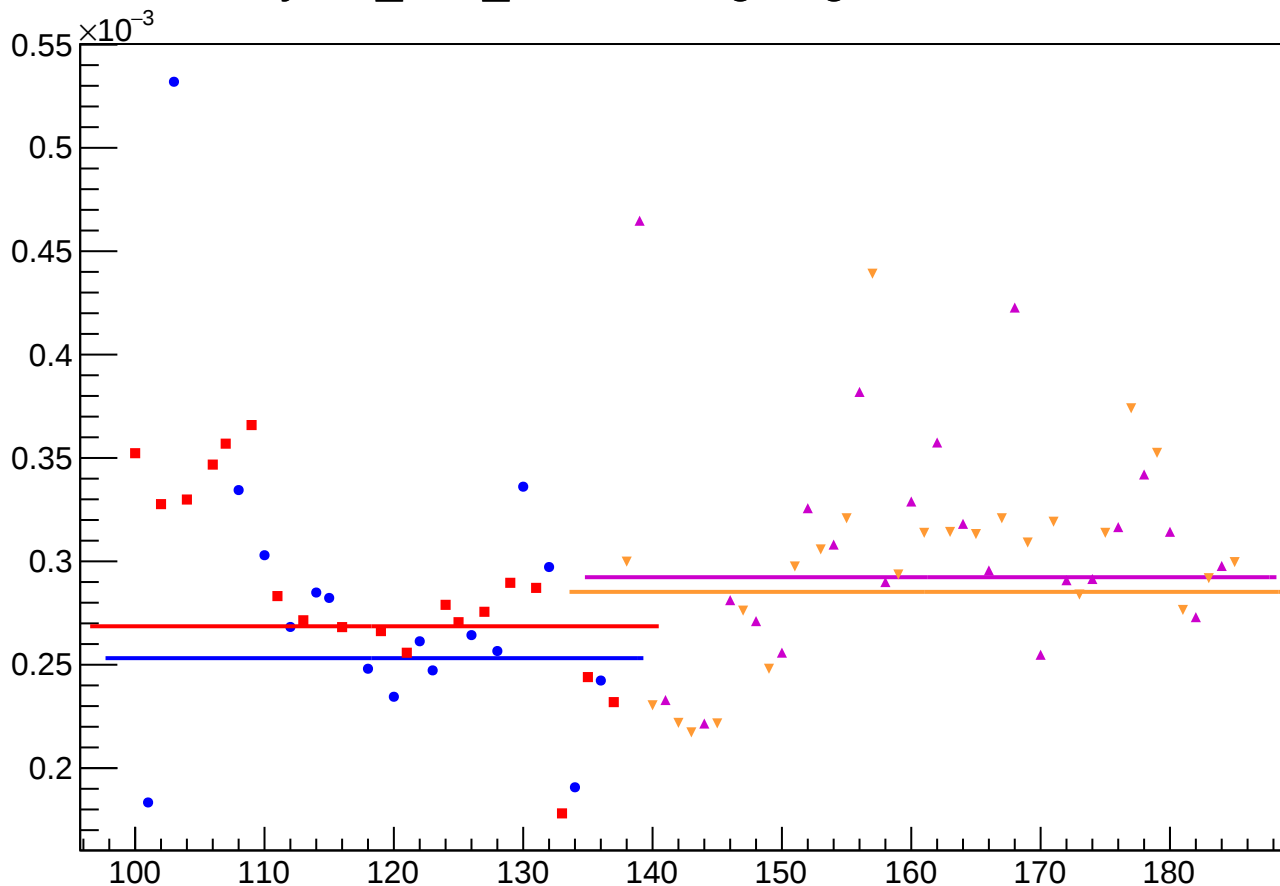
Left In: 0.027+/-0.000

χ^2/NDF : 1332033607.7/22

All: 0.025+/-0.000

χ^2/NDF : 14732247772.6/8

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 626352.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :813374.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 428150.4/18

Left In: 0.000+/-0.000 χ^2/NDF :898772.9/22

Left: 0.000+/-0.000 χ^2/NDF : 1721828.6/47

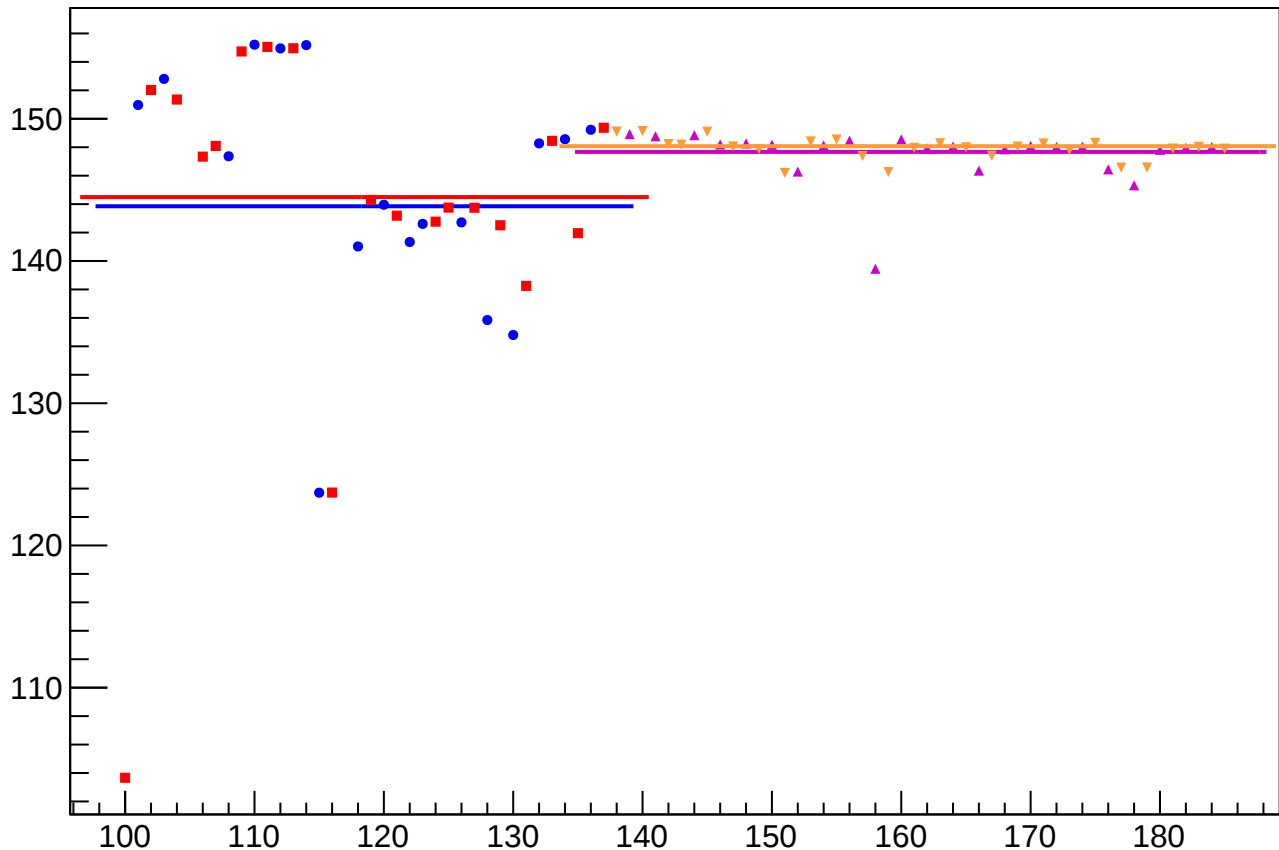
Right: 0.000+/-0.000 χ^2/NDF : 1075285.0/35

In: 0.000+/-0.000 χ^2/NDF :1710609.4/39

Out: 0.000+/-0.000 χ^2/NDF :1274640.3/43

All: 0.000+/-0.000 χ^2/NDF : 2985426.6/83

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.849 $\pm$ 0.000 χ^2 /NDF: 3450807407.9/16

Left Out: 148.073 $\pm$ 0.000 χ^2 /NDF: 65614152.1/24

Right Out: 144.495 $\pm$ 0.000 χ^2 /NDF: 4183399255.1/18

Left In: 147.670 $\pm$ 0.000 χ^2 /NDF: 345222604.4/22

Left: 147.879 $\pm$ 0.000 χ^2 /NDF: 418091068.3/47

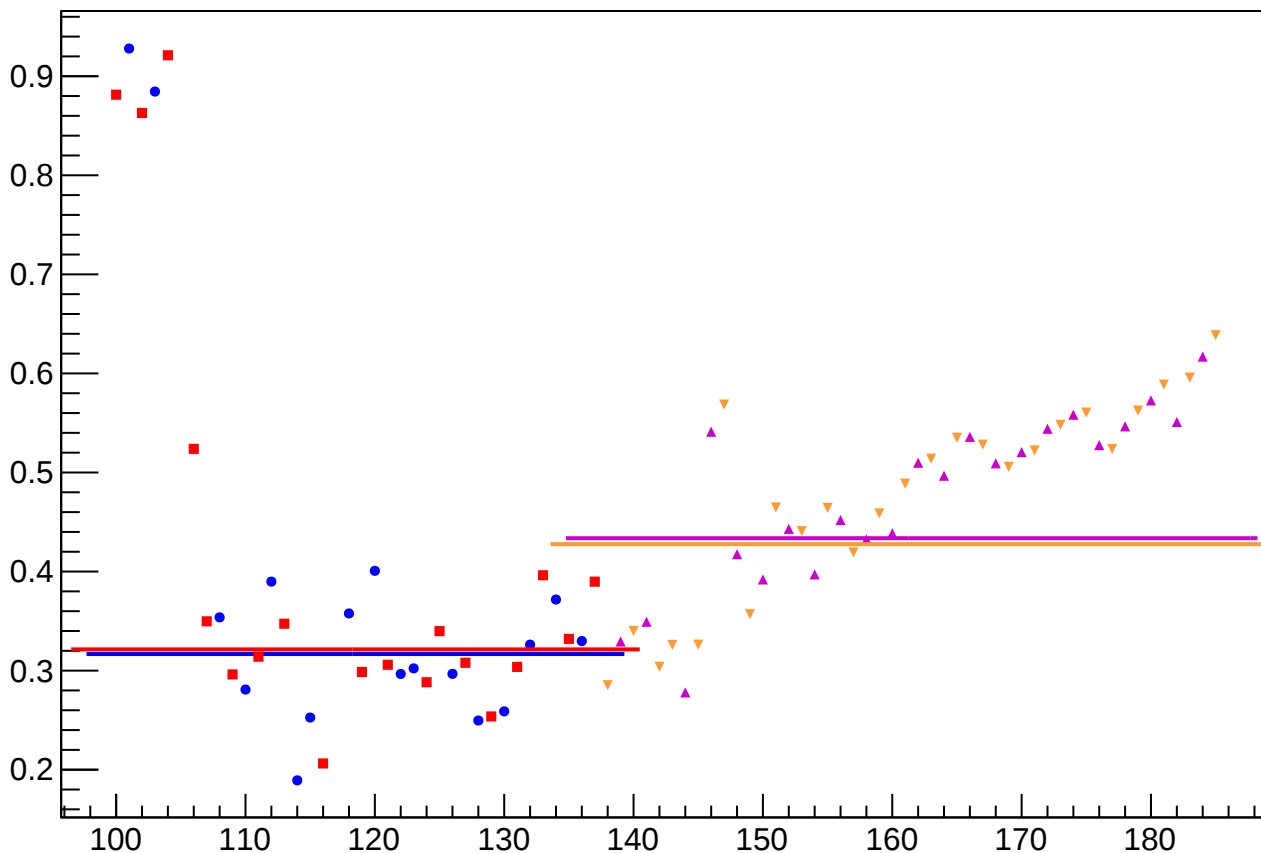
Right: 144.176 $\pm$ 0.000 χ^2 /NDF: 7645857332.7/35

In: 146.182 $\pm$ 0.000 χ^2 /NDF: 4287806155.2/39

Out: 146.719 $\pm$ 0.000 χ^2 /NDF: 4698583204.0/43

All: 146.457 $\pm$ 0.000 χ^2 /NDF: 9007329365.8

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1260273.9/16

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1895496.7/24

Right Out: 0.321 $\pm$ 0.000 χ^2 /NDF: 1216529.2/18

Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1496343.5/22

Left: 0.431 $\pm$ 0.000 χ^2 /NDF: 3395027.1/47

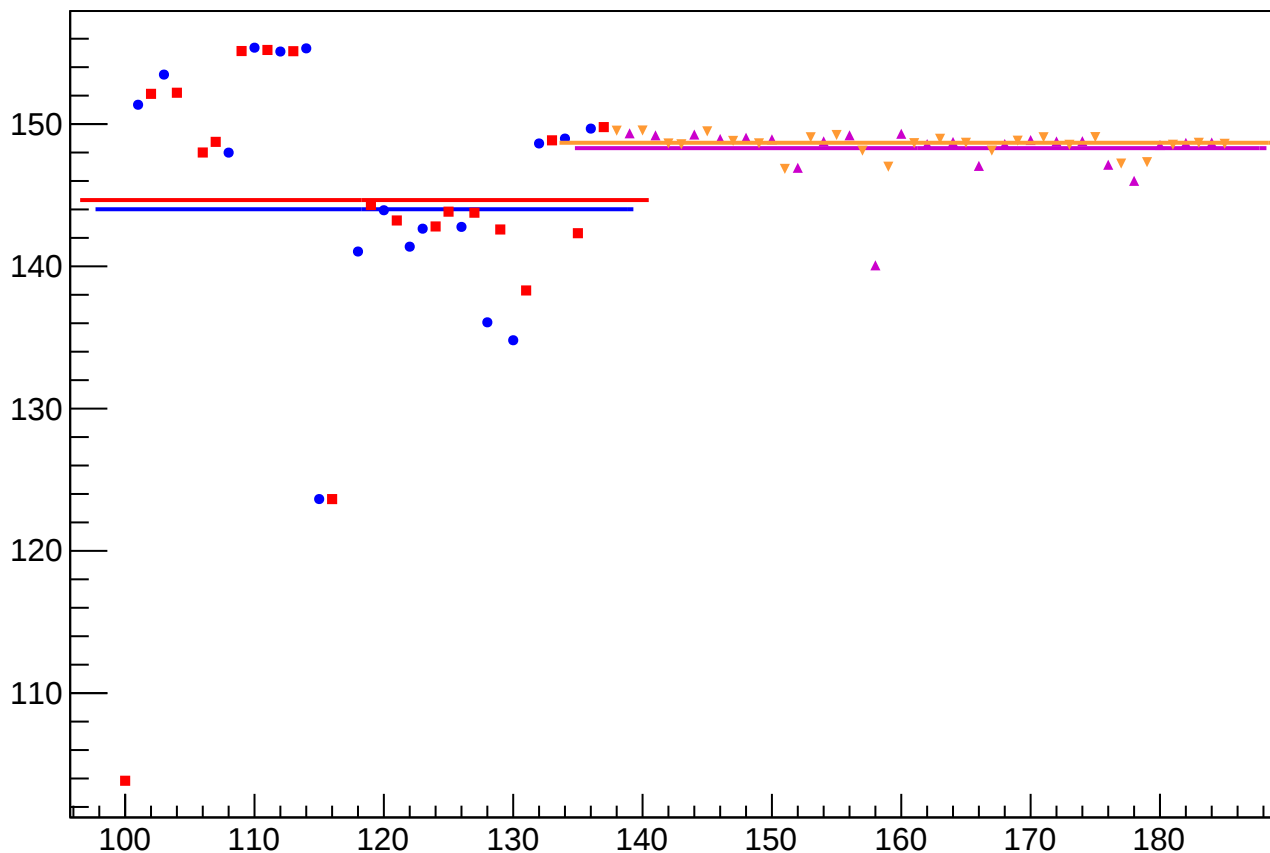
Right: 0.319 $\pm$ 0.000 χ^2 /NDF: 2478025.5/35

In: 0.388 $\pm$ 0.000 χ^2 /NDF:3677264.1/39

Out: 0.387 $\pm$ 0.000 χ^2 /NDF:3905191.1/43

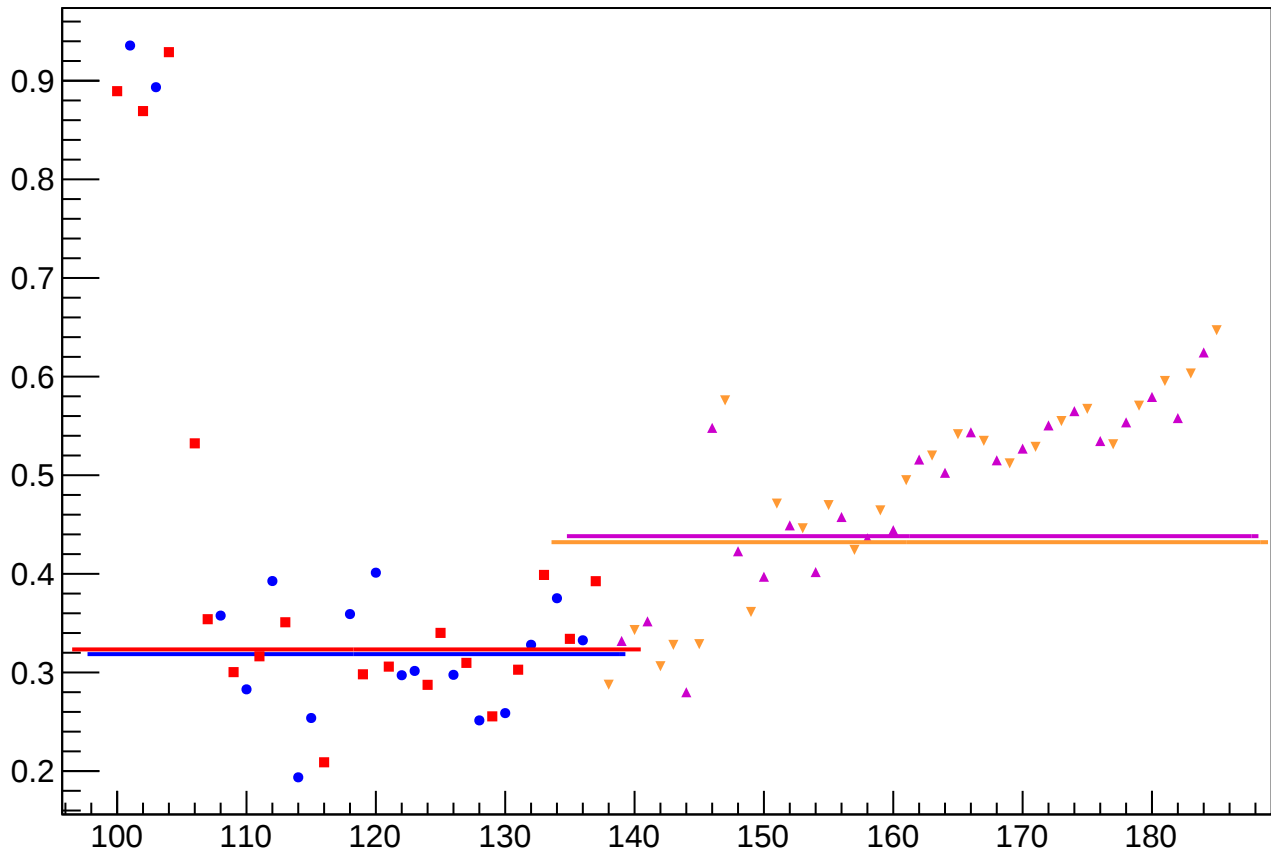
All: 0.388 $\pm$ 0.000 χ^2 /NDF: 7582516.8/83

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.013 $\pm$ 0.000	χ^2 /NDF: 3495287828.5/16	Left: 148.504 $\pm$ 0.000	χ^2 /NDF: 392093437.7/47
Left Out: 148.686 $\pm$ 0.000	χ^2 /NDF: 52218187.7/24	Right: 144.339 $\pm$ 0.000	χ^2 /NDF: 7714659018.1/35
Right Out: 144.658 $\pm$ 0.000	χ^2 /NDF: 4207861518.0/18	In: 146.624 $\pm$ 0.000	χ^2 /NDF: 4440547621.8/39
Left In: 148.307 $\pm$ 0.000	χ^2 /NDF: 333585558.2/22	Out: 147.153 $\pm$ 0.000	χ^2 /NDF: 4820980684.6/43
		All: 146.895 $\pm$ 0.000	χ^2 /NDF: 9281492790.8

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319 $\pm$ 0.000 χ^2 /NDF: 1262045.4/16

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1927710.3/24

Right Out: 0.323 $\pm$ 0.000 χ^2 /NDF: 1218896.8/18

Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1521893.6/22

Left: 0.435 $\pm$ 0.000 χ^2 /NDF: 3452874.3/47

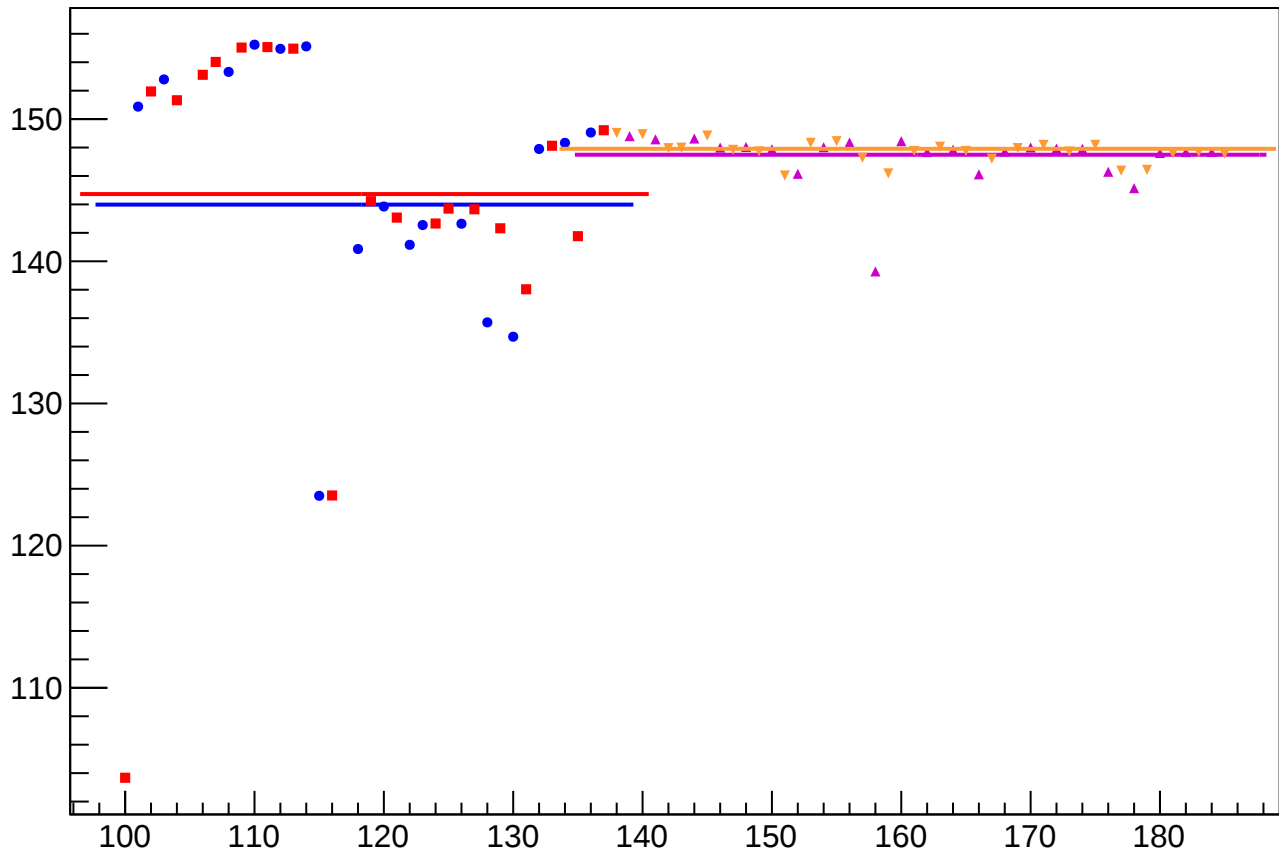
Right: 0.321 $\pm$ 0.000 χ^2 /NDF: 2482206.1/35

In: 0.391 $\pm$ 0.000 χ^2 /NDF:3733054.3/39

Out: 0.391 $\pm$ 0.000 χ^2 /NDF:3964089.8/43

All: 0.391 $\pm$ 0.000 χ^2 /NDF: 7697198.8/83

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.986 $\pm$ 0.000 χ^2 /NDF: 3664472942.4/16

Left Out: 147.911 $\pm$ 0.000 χ^2 /NDF: 64412756.9/24

Right Out: 144.728 $\pm$ 0.000 χ^2 /NDF: 4473024875.8/18

Left In: 147.493 $\pm$ 0.000 χ^2 /NDF: 343978473.2/22

Left: 147.709 $\pm$ 0.000 χ^2 /NDF: 416149858.6/47

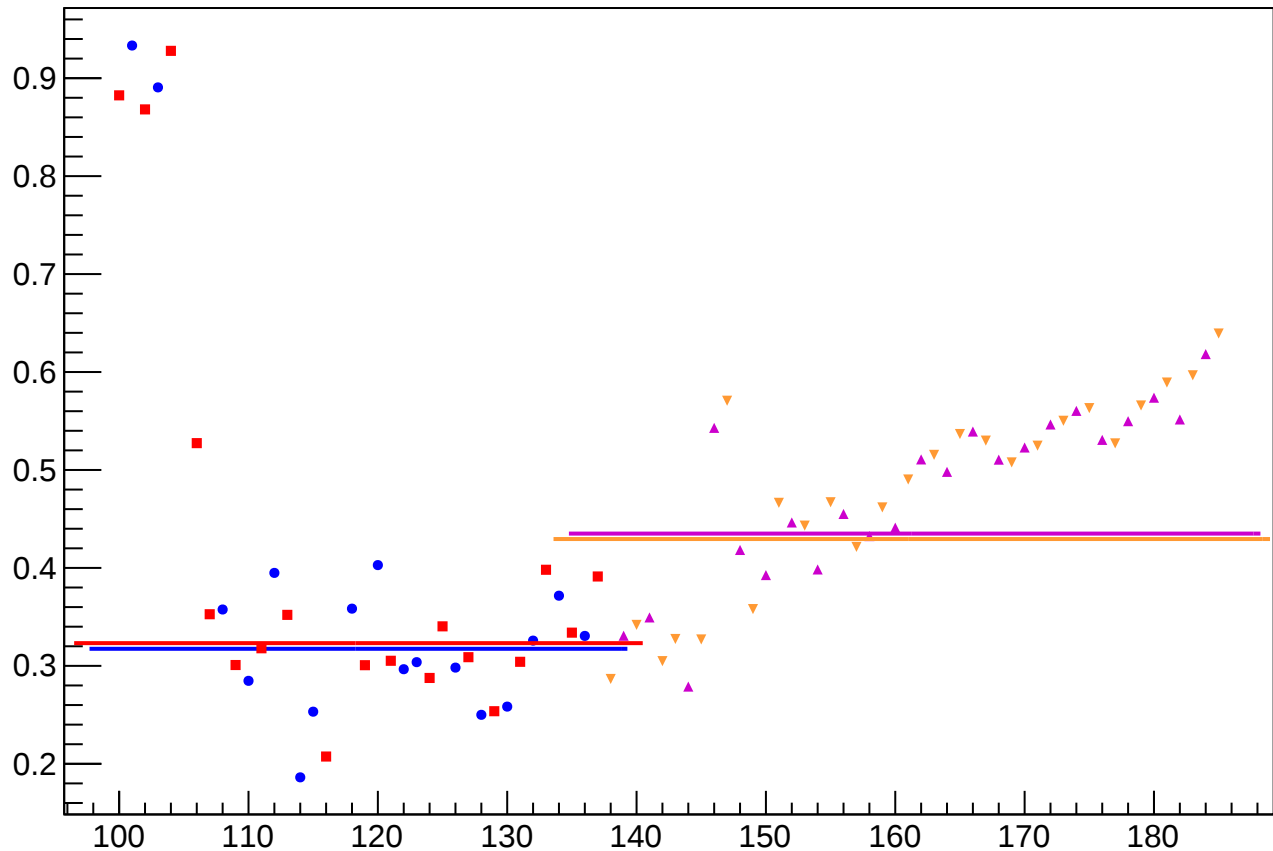
Right: 144.360 $\pm$ 0.000 χ^2 /NDF: 8152746966.8/35

In: 146.127 $\pm$ 0.000 χ^2 /NDF: 4420254341.5/39

Out: 146.708 $\pm$ 0.000 χ^2 /NDF: 4889790452.5/43

All: 146.425 $\pm$ 0.000 χ^2 /NDF: 9334437944.0

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2/NDF : 1274892.4/16

Left Out: 0.429 $\pm$ 0.000 χ^2/NDF :1894395.9/24

Right Out: 0.323 $\pm$ 0.000 χ^2/NDF : 1221204.9/18

Left In: 0.435 $\pm$ 0.000 χ^2/NDF :1502712.5/22

Left: 0.432 $\pm$ 0.000 χ^2/NDF : 3399856.1/47

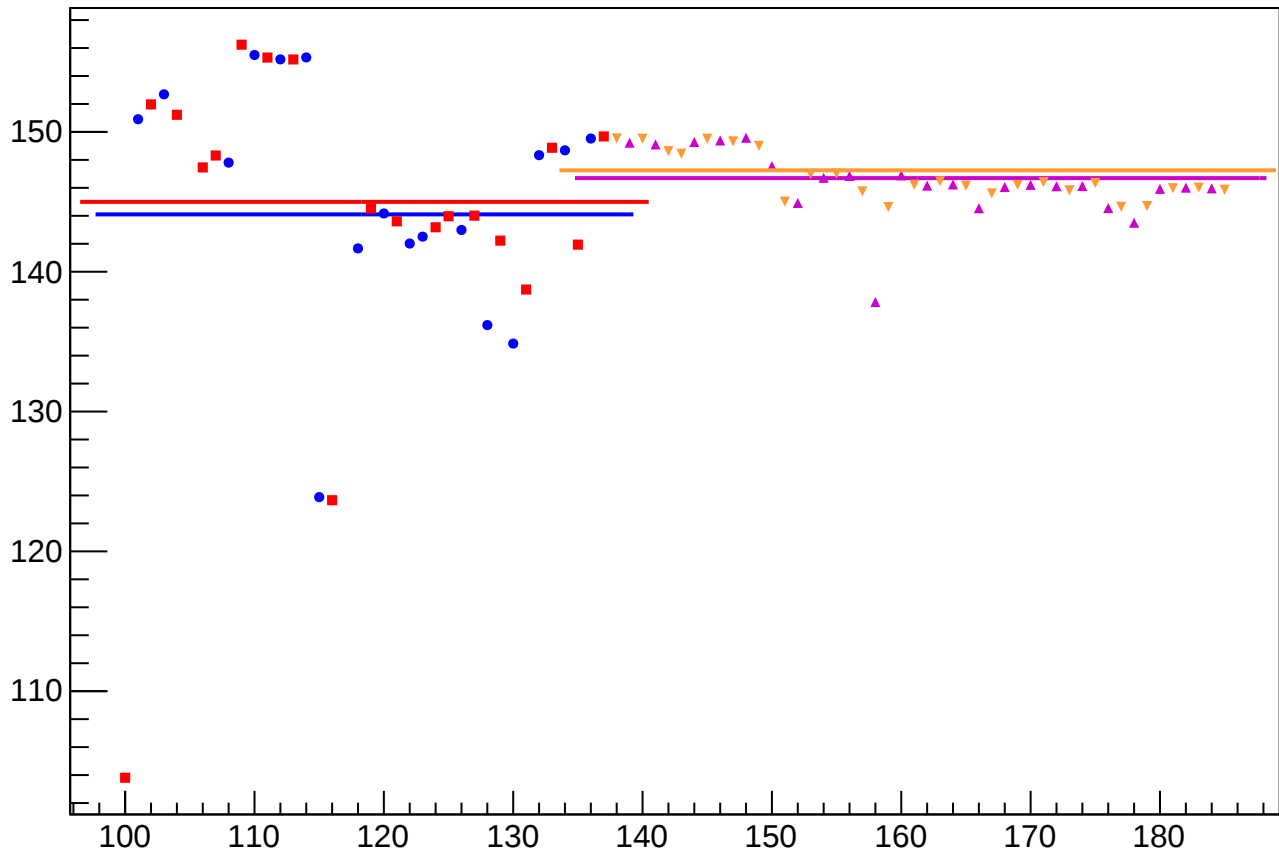
Right: 0.320 $\pm$ 0.000 χ^2/NDF : 2497937.8/35

In: 0.389 $\pm$ 0.000 χ^2/NDF :3703639.6/39

Out: 0.389 $\pm$ 0.000 χ^2/NDF :3901254.4/43

All: 0.389 $\pm$ 0.000 χ^2/NDF : 7604895.4/83

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.101 $\pm$ 0.000 χ^2 /NDF: 3163250979.7/16

Left Out: 147.255 $\pm$ 0.000 χ^2 /NDF: 262129140.5/24

Right Out: 144.998 $\pm$ 0.000 χ^2 /NDF: 3853420991.4/18

Left In: 146.695 $\pm$ 0.000 χ^2 /NDF: 557896803.1/22

Left: 146.984 $\pm$ 0.000 χ^2 /NDF: 833212237.5/47

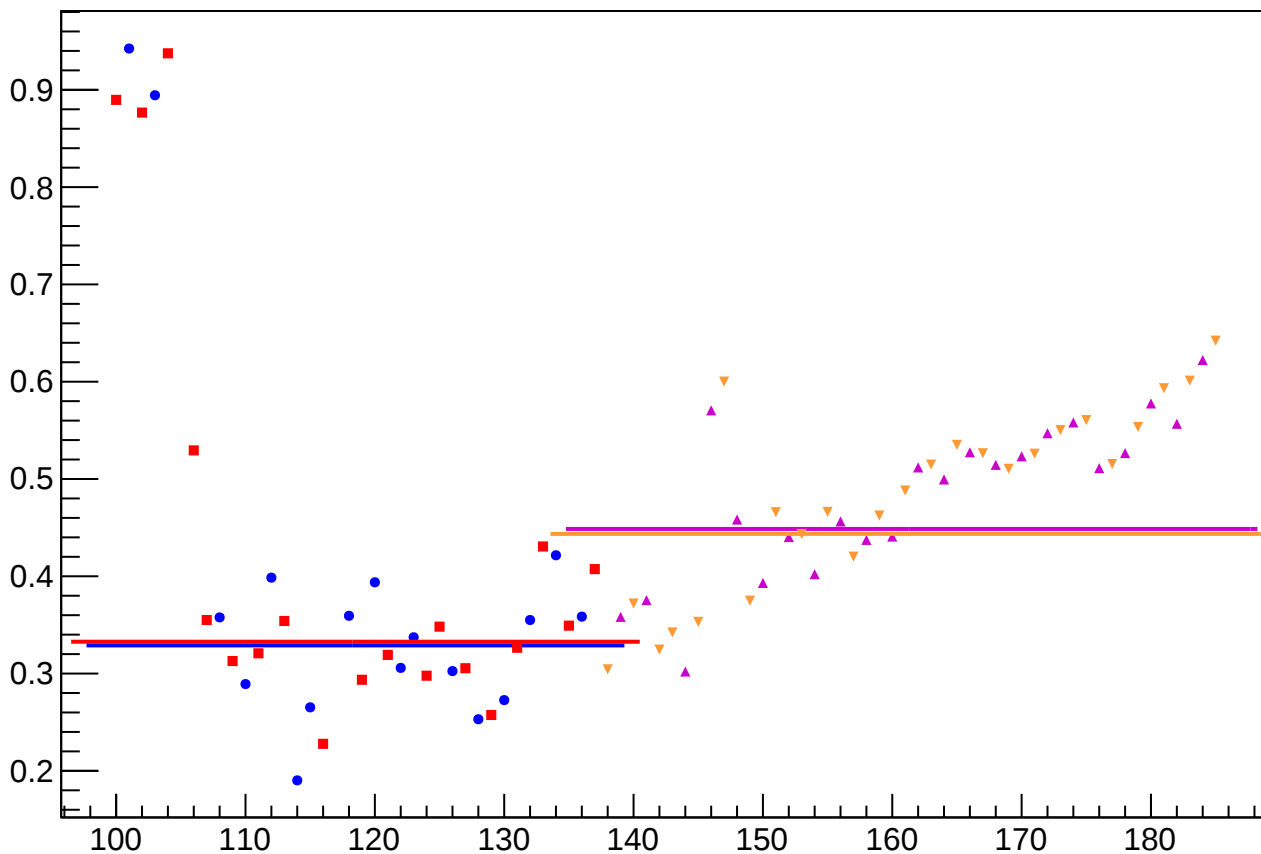
Right: 144.557 $\pm$ 0.000 χ^2 /NDF: 7037484175.9/35

In: 145.699 $\pm$ 0.000 χ^2 /NDF: 3932161223.1/39

Out: 146.404 $\pm$ 0.000 χ^2 /NDF: 4282711122.3/43

All: 146.061 $\pm$ 0.000 χ^2 /NDF: 8248761998.3

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.329+/-0.000 χ^2/NDF : 1259207.9/16

Left Out: 0.444+/-0.000 χ^2/NDF :1482246.5/24

Right Out: 0.333+/-0.000 χ^2/NDF : 1181630.3/18

Left In: 0.449+/-0.000 χ^2/NDF :1132620.8/22

Left: 0.446+/-0.000 χ^2/NDF : 2617044.1/47

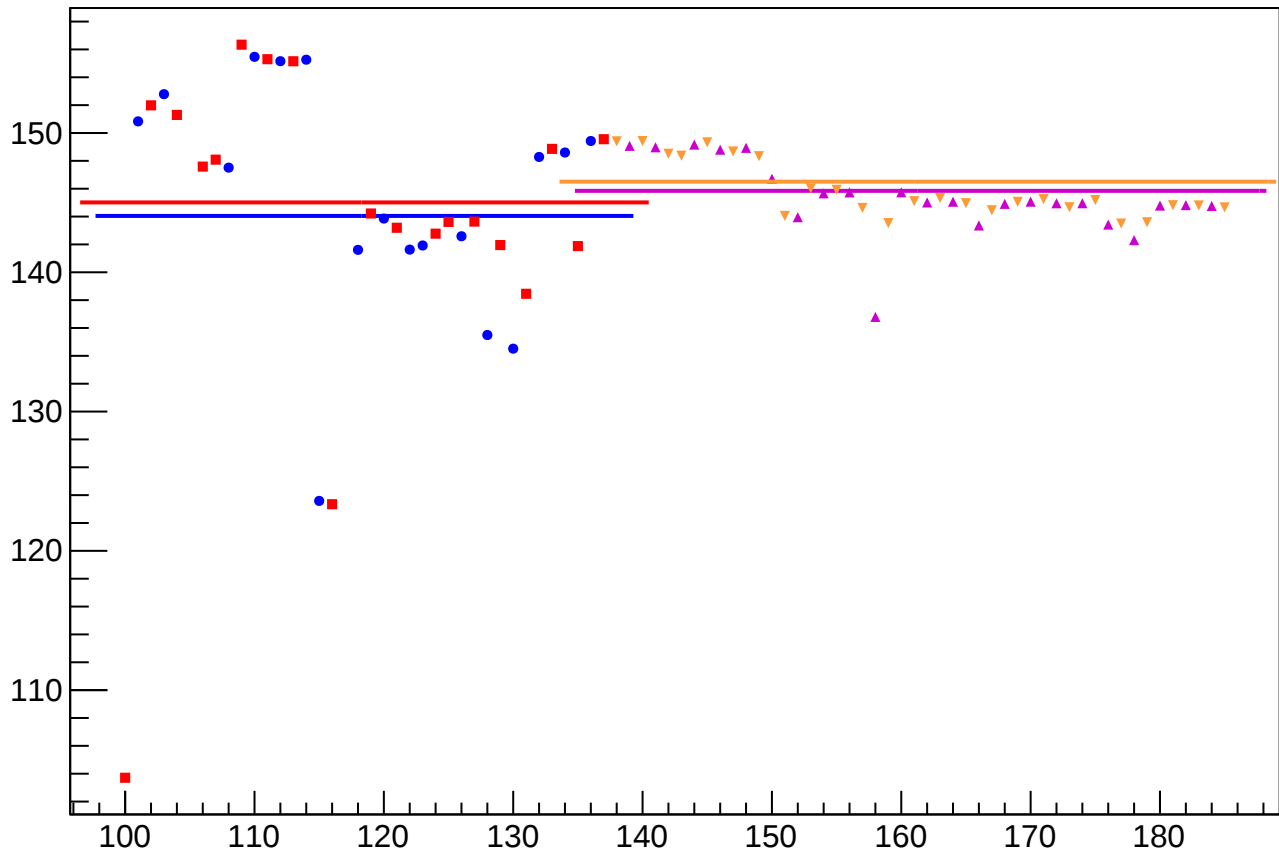
Right: 0.331+/-0.000 χ^2/NDF : 2441586.5/35

In: 0.403+/-0.000 χ^2/NDF :3290644.0/39

Out: 0.402+/-0.000 χ^2/NDF :3470038.1/43

All: 0.402+/-0.000 χ^2/NDF : 6760778.6/83

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 144.046 $\pm$ 0.000 χ^2 /NDF: 3282867390.8/16

Left Out: 146.505 $\pm$ 0.000 χ^2 /NDF: 401668776.9/24

Right Out: 145.016 $\pm$ 0.000 χ^2 /NDF: 3929576449.5/18

Left In: 145.847 $\pm$ 0.000 χ^2 /NDF: 694764545.6/22

Left: 146.187 $\pm$ 0.000 χ^2 /NDF: 1114626423.3/47

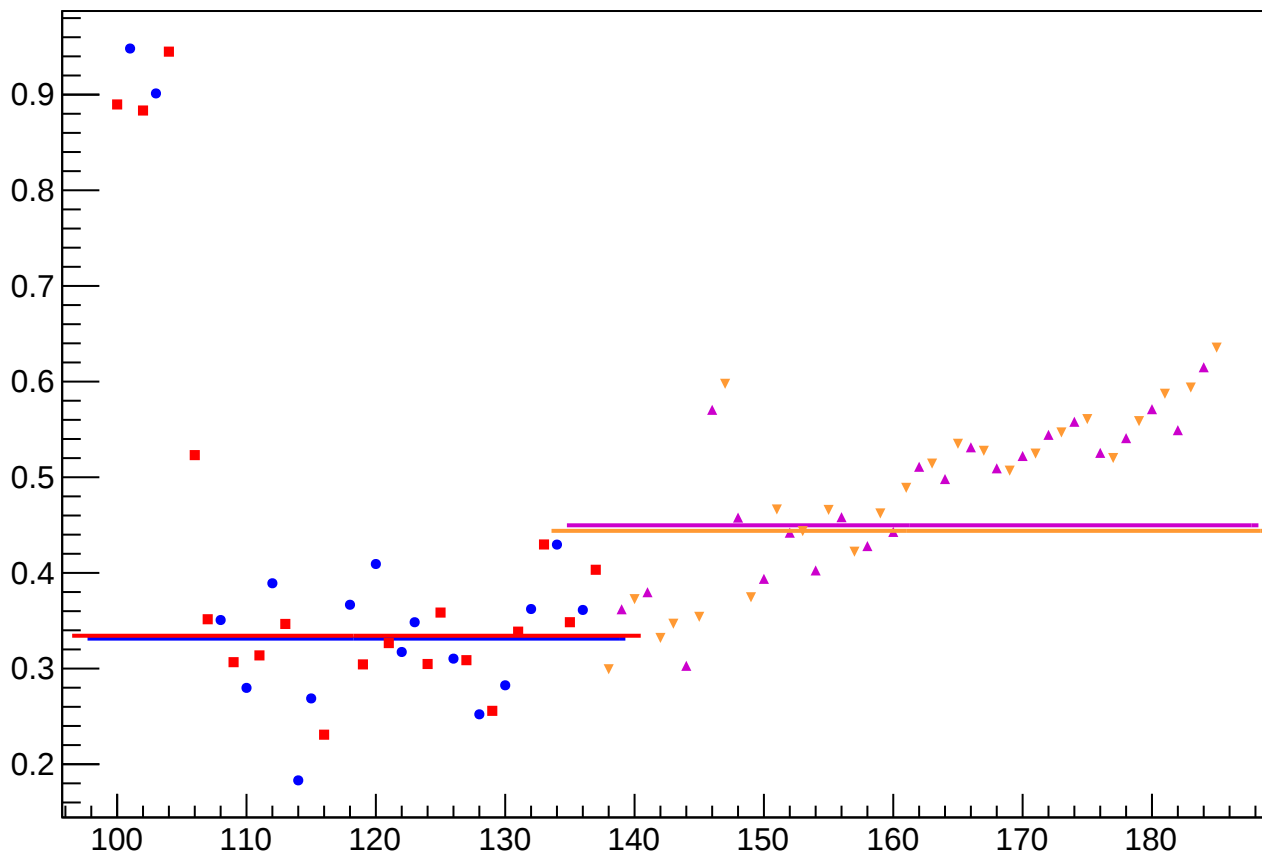
Right: 144.541 $\pm$ 0.000 χ^2 /NDF: 7236479973.6/35

In: 145.160 $\pm$ 0.000 χ^2 /NDF: 4078016148.5/39

Out: 145.947 $\pm$ 0.000 χ^2 /NDF: 4403412214.8/43

All: 145.565 $\pm$ 0.000 χ^2 /NDF: 8523238175.1

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.331+/-0.000 χ^2/NDF : 1275232.9/16

Left Out: 0.444+/-0.000 χ^2/NDF :1462158.0/24

Right Out: 0.334+/-0.000 χ^2/NDF : 1170223.7/18

Left In: 0.450+/-0.000 χ^2/NDF :1105405.0/22

Left: 0.447+/-0.000 χ^2/NDF : 2570378.9/47

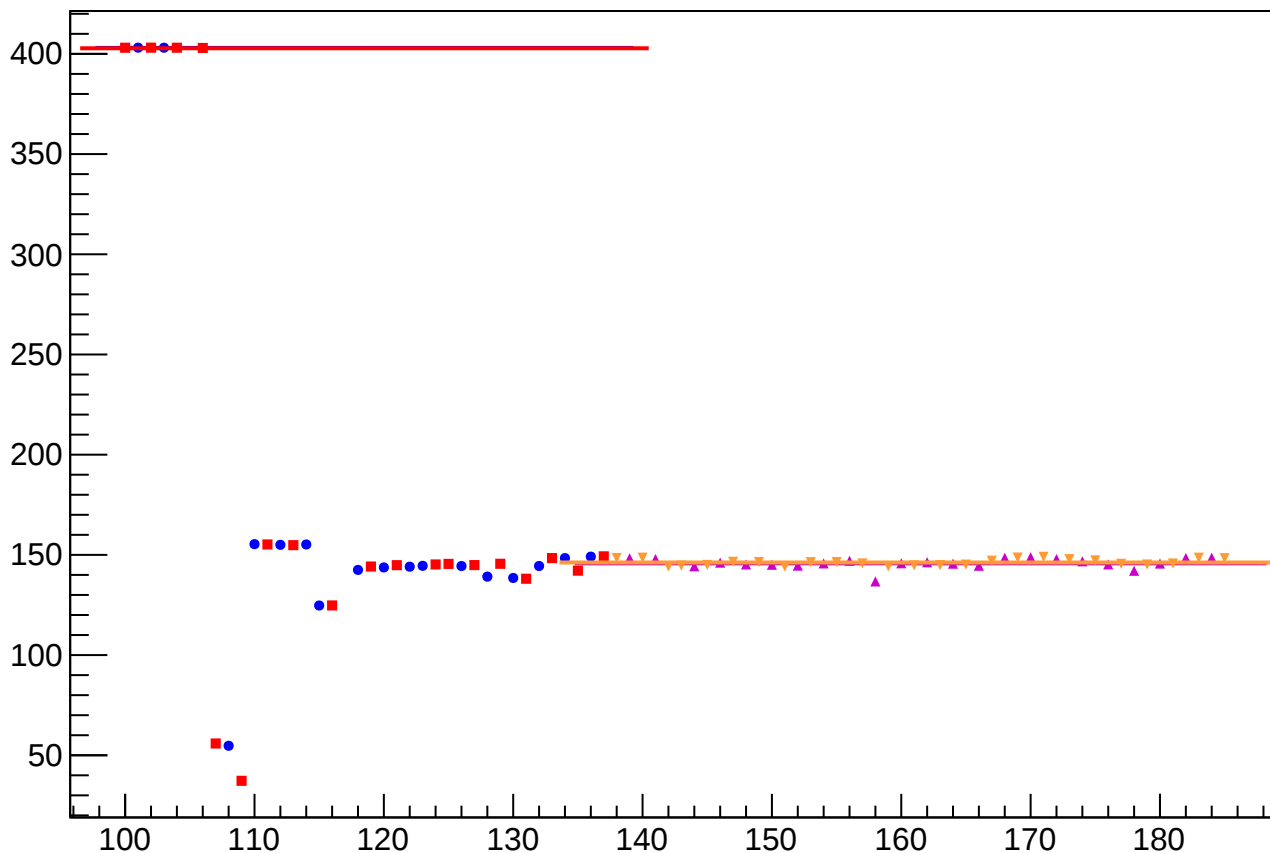
Right: 0.333+/-0.000 χ^2/NDF : 2445917.5/35

In: 0.405+/-0.000 χ^2/NDF :3249184.6/39

Out: 0.403+/-0.000 χ^2/NDF :3415494.3/43

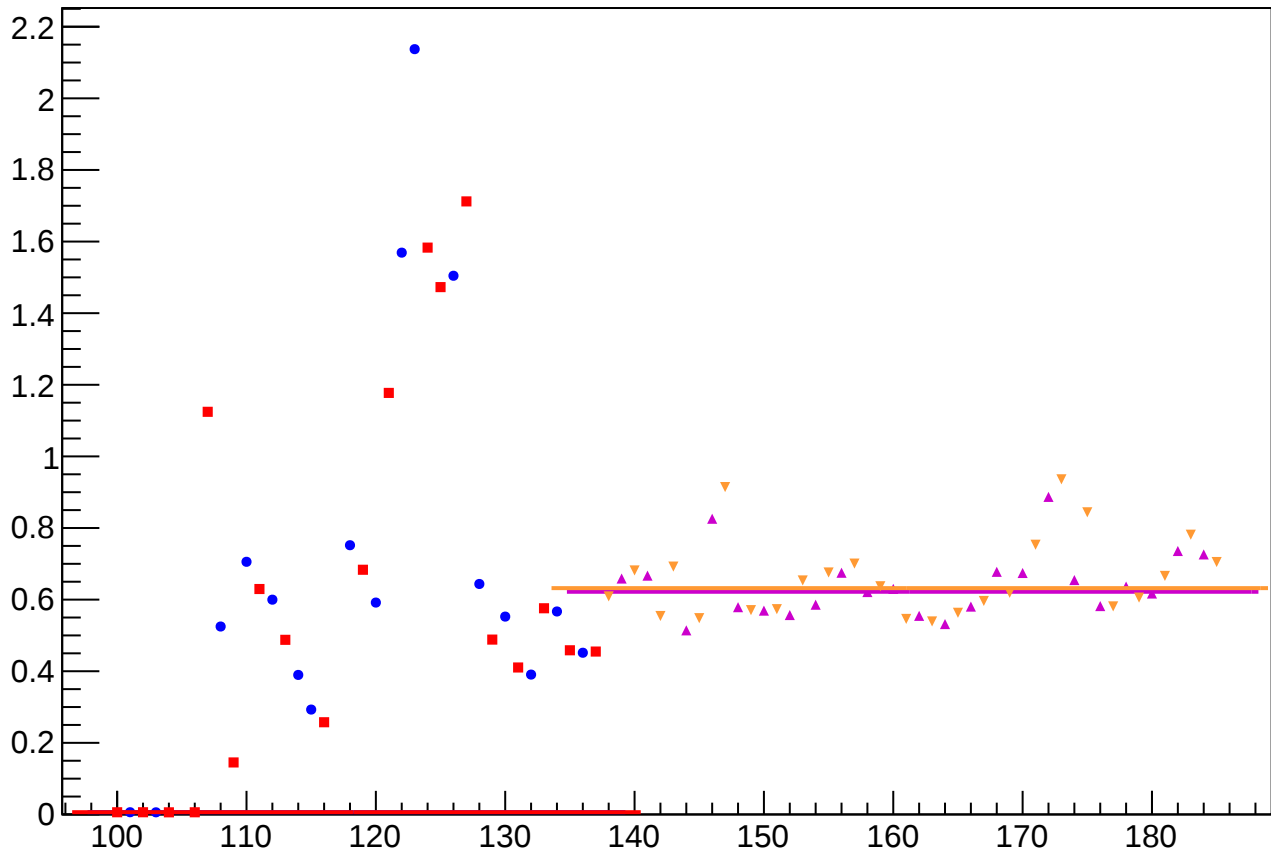
All: 0.404+/-0.000 χ^2/NDF : 6665080.5/83

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.957+/-0.000	χ^2/NDF : 1095567172365.3/16	Left: 145.990+/-0.000	χ^2/NDF : 297262029.3/47
Left Out: 146.205+/-0.000	χ^2/NDF : 86588805.1/24	Right: 402.873+/-0.000	χ^2/NDF : 4200370185743.3
Right Out: 402.799+/-0.000	χ^2/NDF : 3104385504690.3/18	In: 402.664+/-0.000	χ^2/NDF : 3445596825685.6/39
Left In: 145.773+/-0.000	χ^2/NDF : 207332354.9/22	Out: 402.537+/-0.000	χ^2/NDF : 5473283534010.1/4
		All: 402.596+/-0.000	χ^2/NDF : 891914900206

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9047828.5/16

Left Out: 0.632+/-0.000 χ^2/NDF : 613798.3/24

Right Out: 0.006+/-0.000 χ^2/NDF : 9152692.1/18

Left In: 0.622+/-0.000 χ^2/NDF : 404479.0/22

Left: 0.627+/-0.000 χ^2/NDF : 1021956.6/47

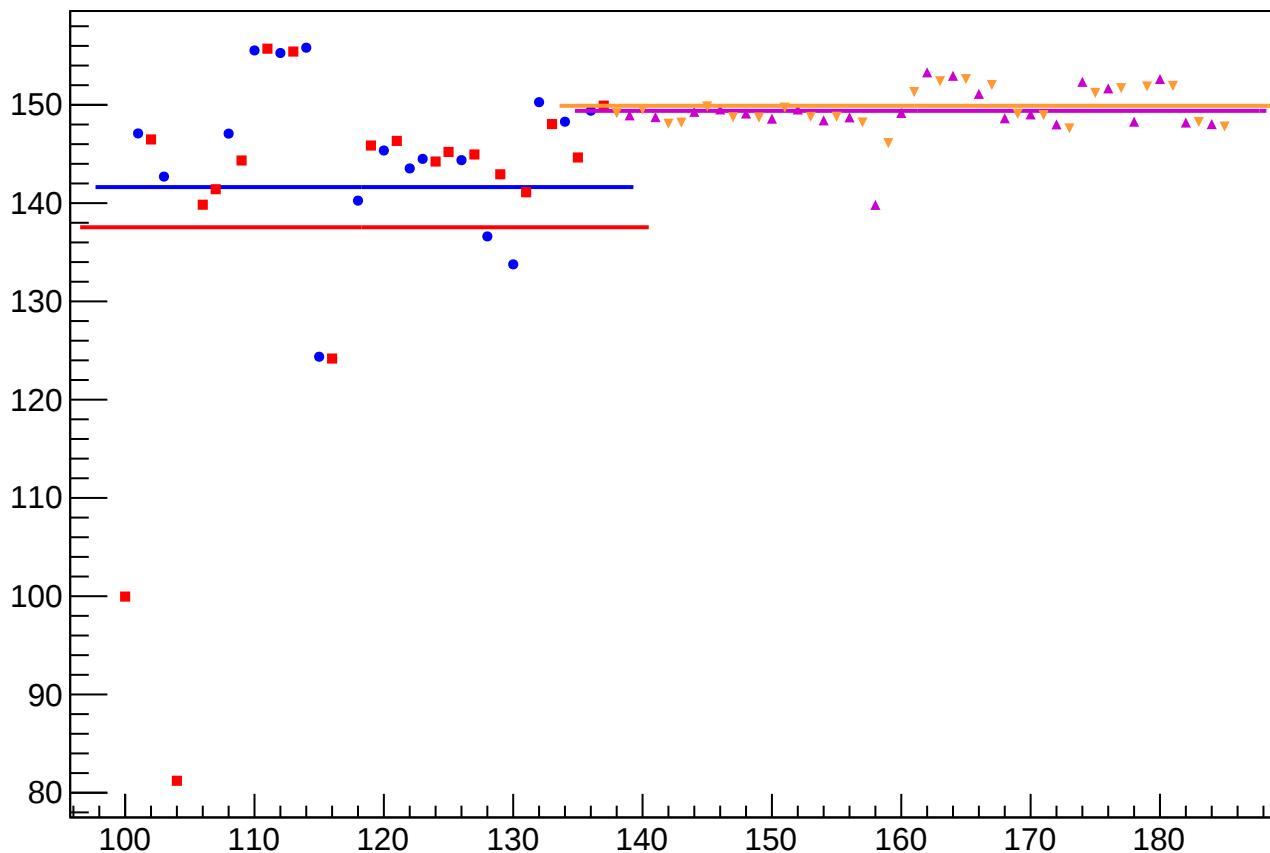
Right: 0.006+/-0.000 χ^2/NDF : 18200524.0/35

In: 0.007+/-0.000 χ^2/NDF : 36378471.9/39

Out: 0.007+/-0.000 χ^2/NDF : 37942003.2/43

All: 0.007+/-0.000 χ^2/NDF : 74320655.3/83

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.632 $\pm$ 0.000 χ^2 /NDF: 977430315.6/16

Left Out: 149.906 $\pm$ 0.000 χ^2 /NDF: 163225884.9/24

Right Out: 137.543 $\pm$ 0.000 χ^2 /NDF: 1320254355.4/18

Left In: 149.391 $\pm$ 0.000 χ^2 /NDF: 437129920.4/22

Left: 149.657 $\pm$ 0.000 χ^2 /NDF: 606902207.9/47

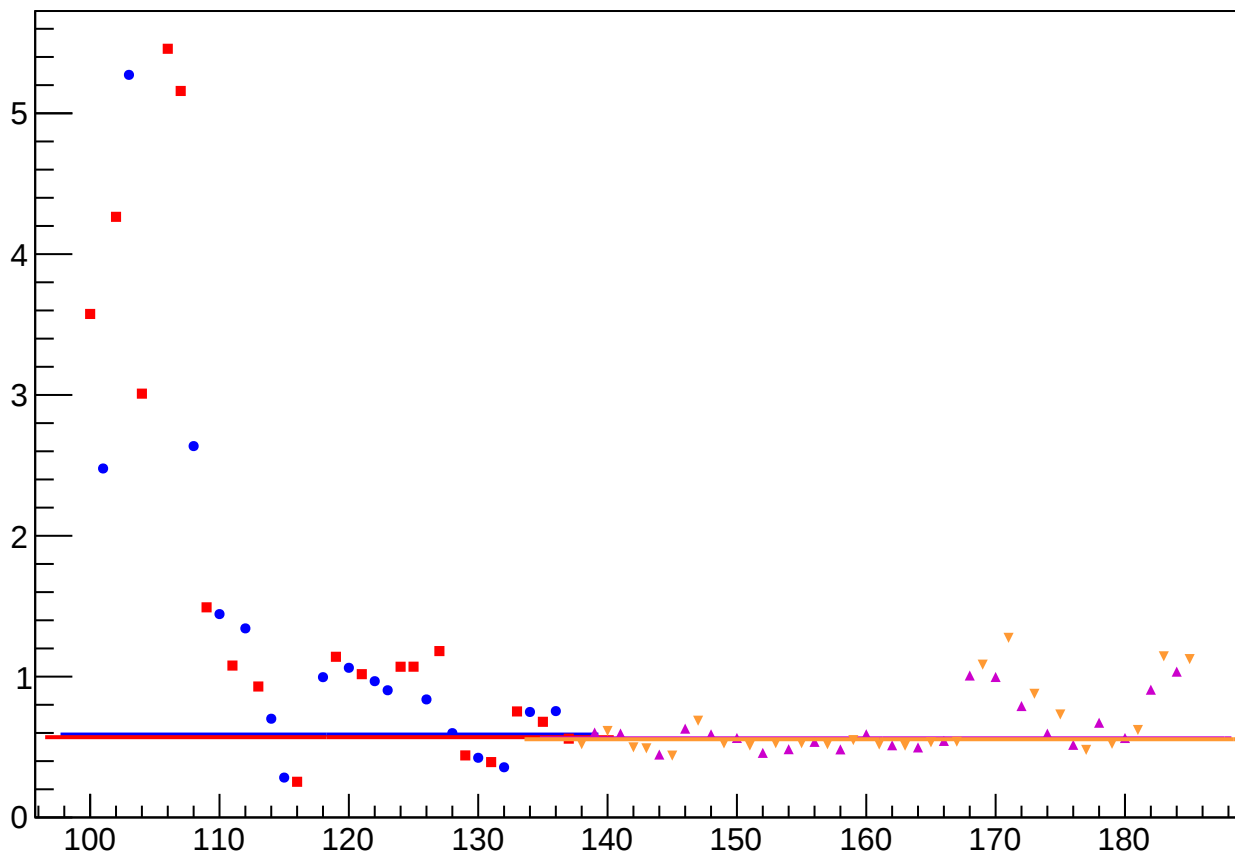
Right: 139.549 $\pm$ 0.000 χ^2 /NDF: 2383815504.1/35

In: 148.031 $\pm$ 0.000 χ^2 /NDF: 1916597777.9/39

Out: 147.793 $\pm$ 0.000 χ^2 /NDF: 2814076329.2/43

All: 147.908 $\pm$ 0.000 χ^2 /NDF: 4732365930.7

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.589 $\pm$ 0.000 χ^2 /NDF: 3472432.4/16

Left Out: 0.555 $\pm$ 0.000 χ^2 /NDF:1773979.4/24

Right Out: 0.570 $\pm$ 0.000 χ^2 /NDF: 4646586.2/18

Left In: 0.562 $\pm$ 0.000 χ^2 /NDF:1311075.2/22

Left: 0.559 $\pm$ 0.000 χ^2 /NDF: 3087269.1/47

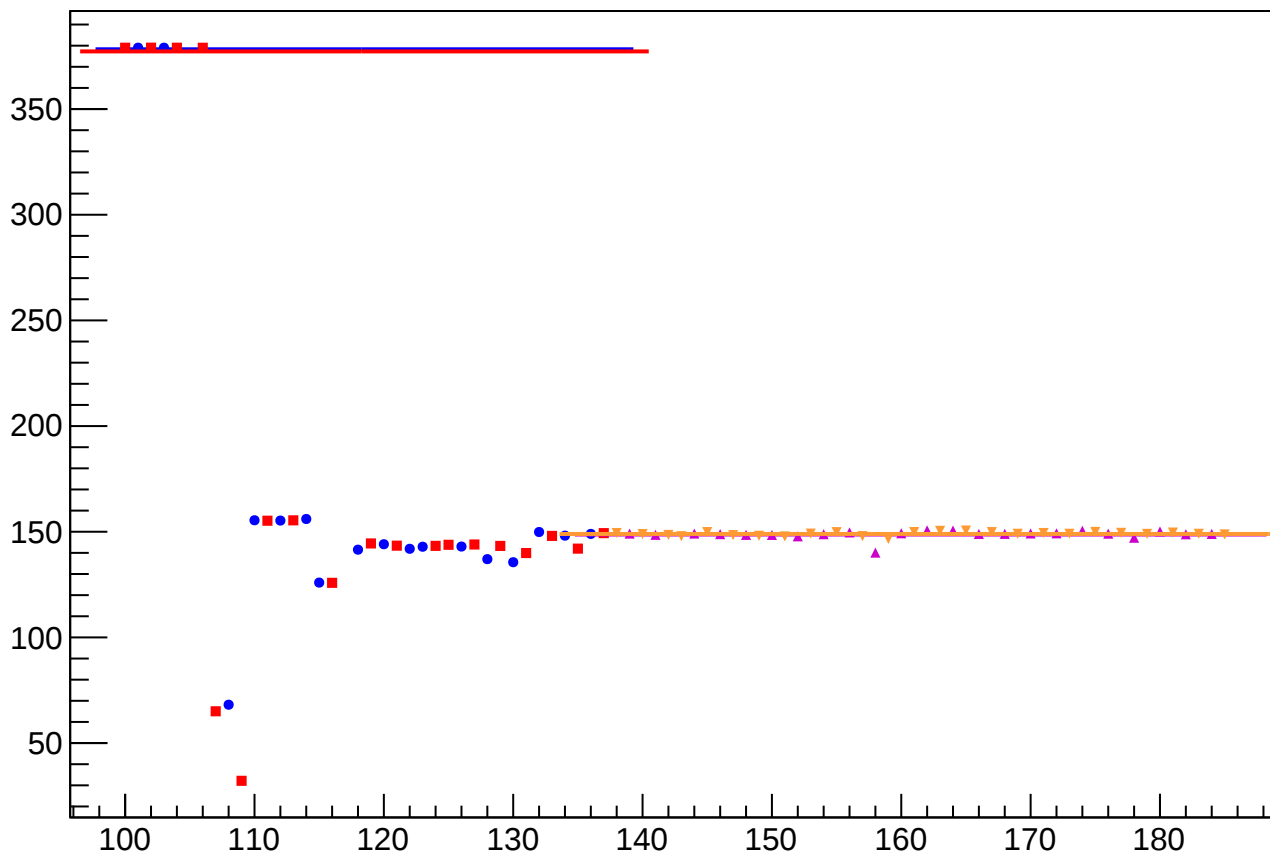
Right: 0.579 $\pm$ 0.000 χ^2 /NDF: 8122625.9/35

In: 0.567 $\pm$ 0.000 χ^2 /NDF:4795325.2/39

Out: 0.558 $\pm$ 0.000 χ^2 /NDF:6424283.7/43

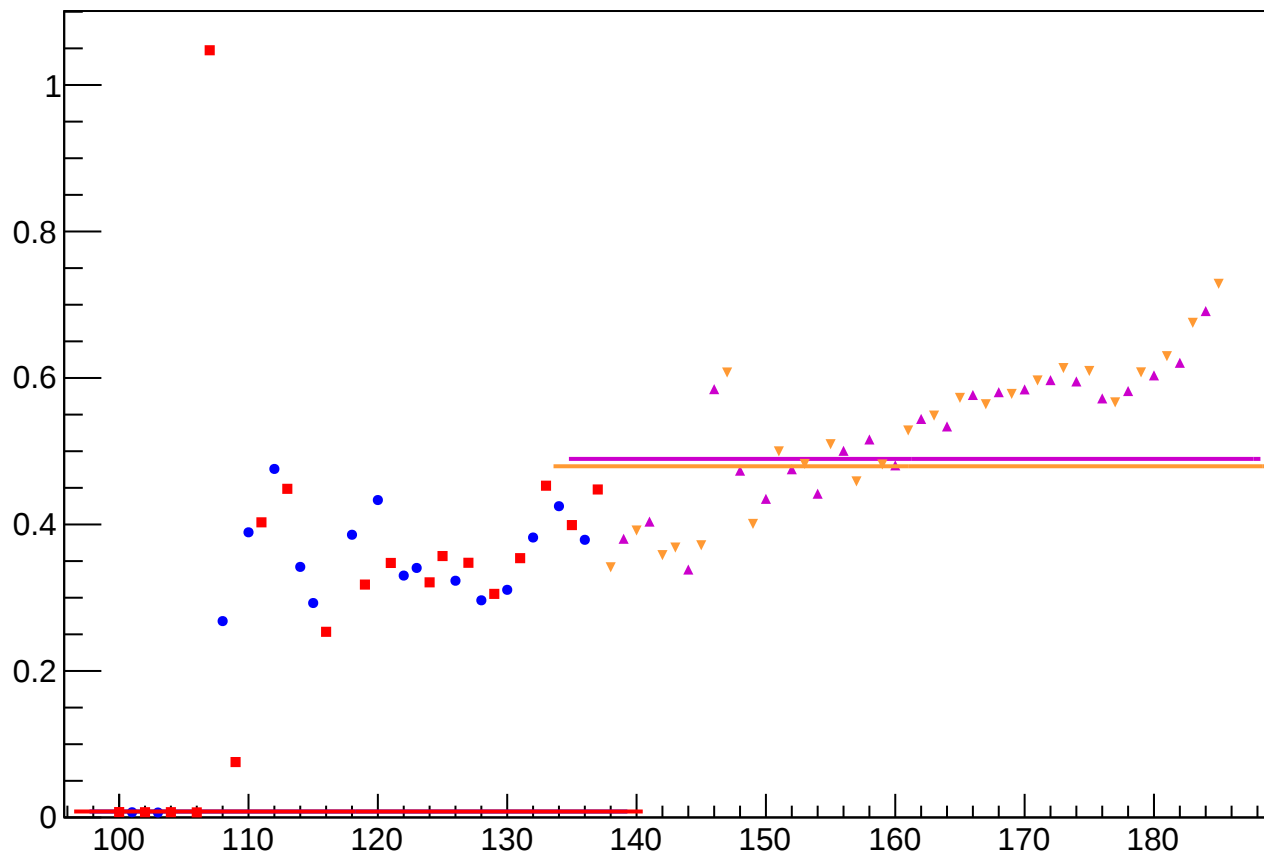
All: 0.562 $\pm$ 0.000 χ^2 /NDF: 11224295.0/83

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.290 +/- 0.000 χ^2/NDF : 2485728057854.8/16
 Left Out: 148.946 +/- 0.000 χ^2/NDF : 63975097.7/24
 Right Out: 377.288 +/- 0.000 χ^2/NDF : 8283929719012.3/18
 Left In: 148.683 +/- 0.000 χ^2/NDF : 253848207.3/22
 All: 376.607 +/- 0.000 χ^2/NDF : 182740588952.3/40

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9762871.0/16

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1517512.7/24

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9478867.5/18

Left In: 0.490 $\pm$ 0.000 χ^2 /NDF:1090532.3/22

Left: 0.484 $\pm$ 0.000 χ^2 /NDF: 2615302.3/47

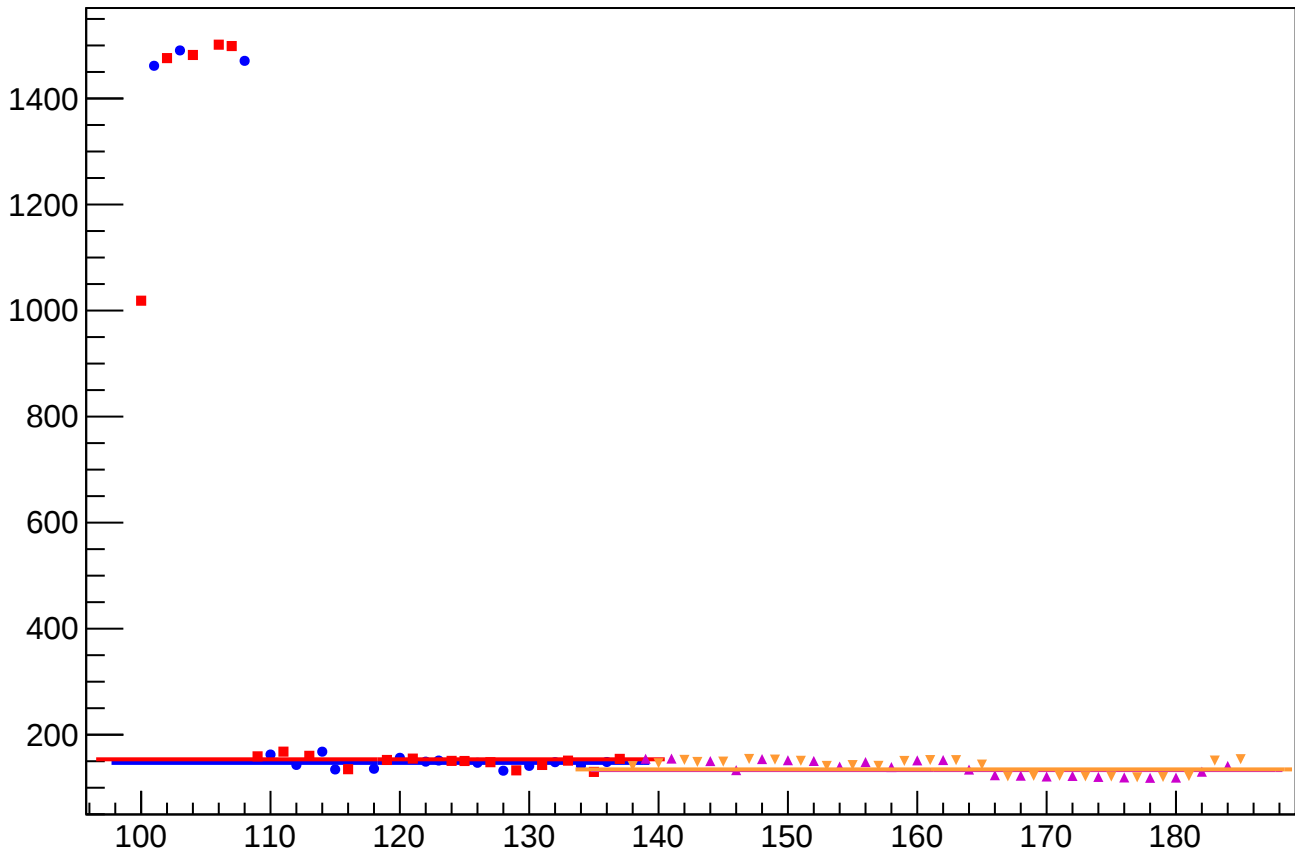
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 19241750.6/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:42628009.1/39

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:44088715.3/43

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 86716992.0/83

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.867+/-0.000 χ^2/NDF : 24355015272.8/16

Left Out: 134.580+/-0.000 χ^2/NDF : 4385027599.4/24

Right Out: 153.610+/-0.000 χ^2/NDF : 33790758108.7/18

Left In: 133.309+/-0.000 χ^2/NDF : 4353039408.6/22

Left: 133.955+/-0.000 χ^2/NDF : 8756893956.7/47

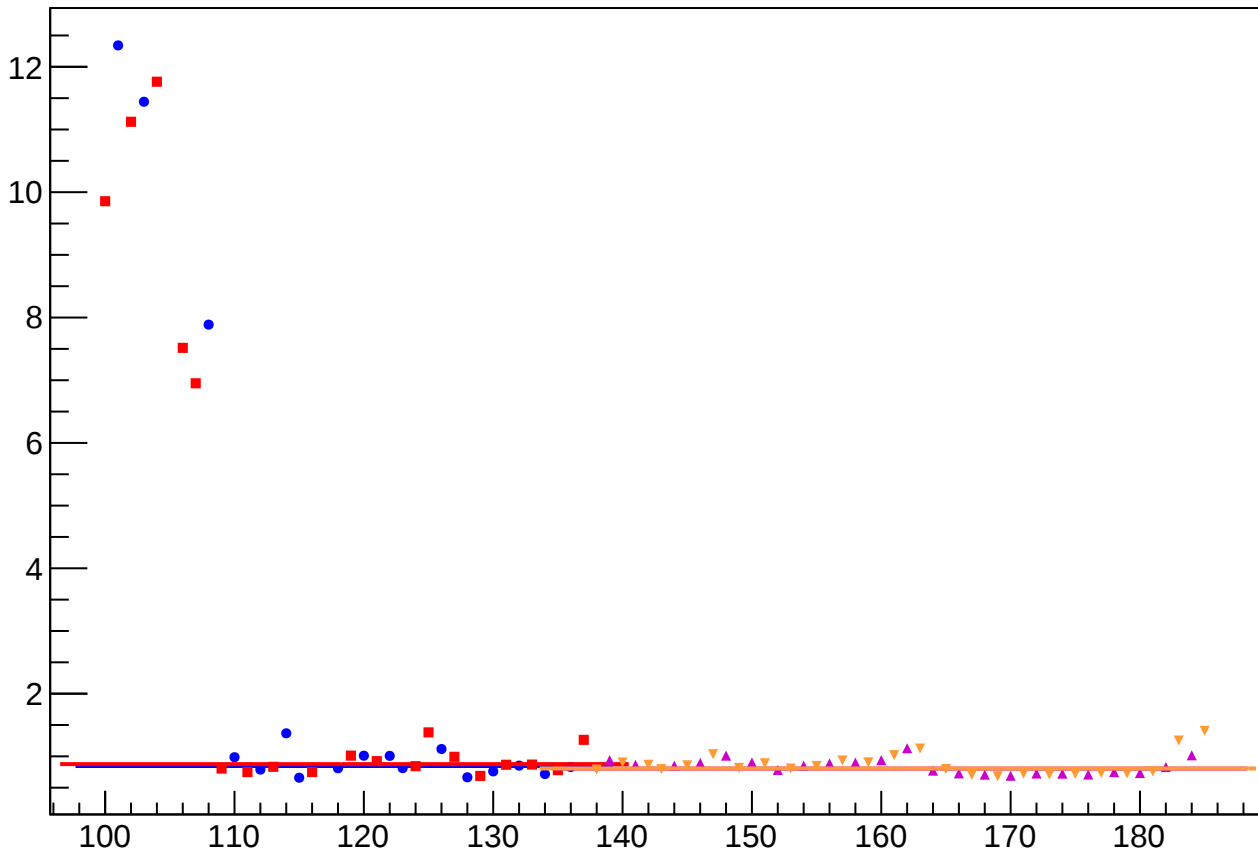
Right: 150.252+/-0.000 χ^2/NDF : 58265832063.8/35

In: 135.838+/-0.000 χ^2/NDF : 29494642891.0/39

Out: 138.055+/-0.000 χ^2/NDF : 39745243398.7/43

All: 136.962+/-0.000 χ^2/NDF : 69310209014.0

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.846+/-0.000 χ^2/NDF : 2668298.4/16

Left Out: 0.807+/-0.000 χ^2/NDF : 705419.3/24

Right Out: 0.876+/-0.000 χ^2/NDF : 2828930.0/18

Left In: 0.805+/-0.000 χ^2/NDF : 479689.4/22

Left: 0.806+/-0.000 χ^2/NDF : 1185212.6/47

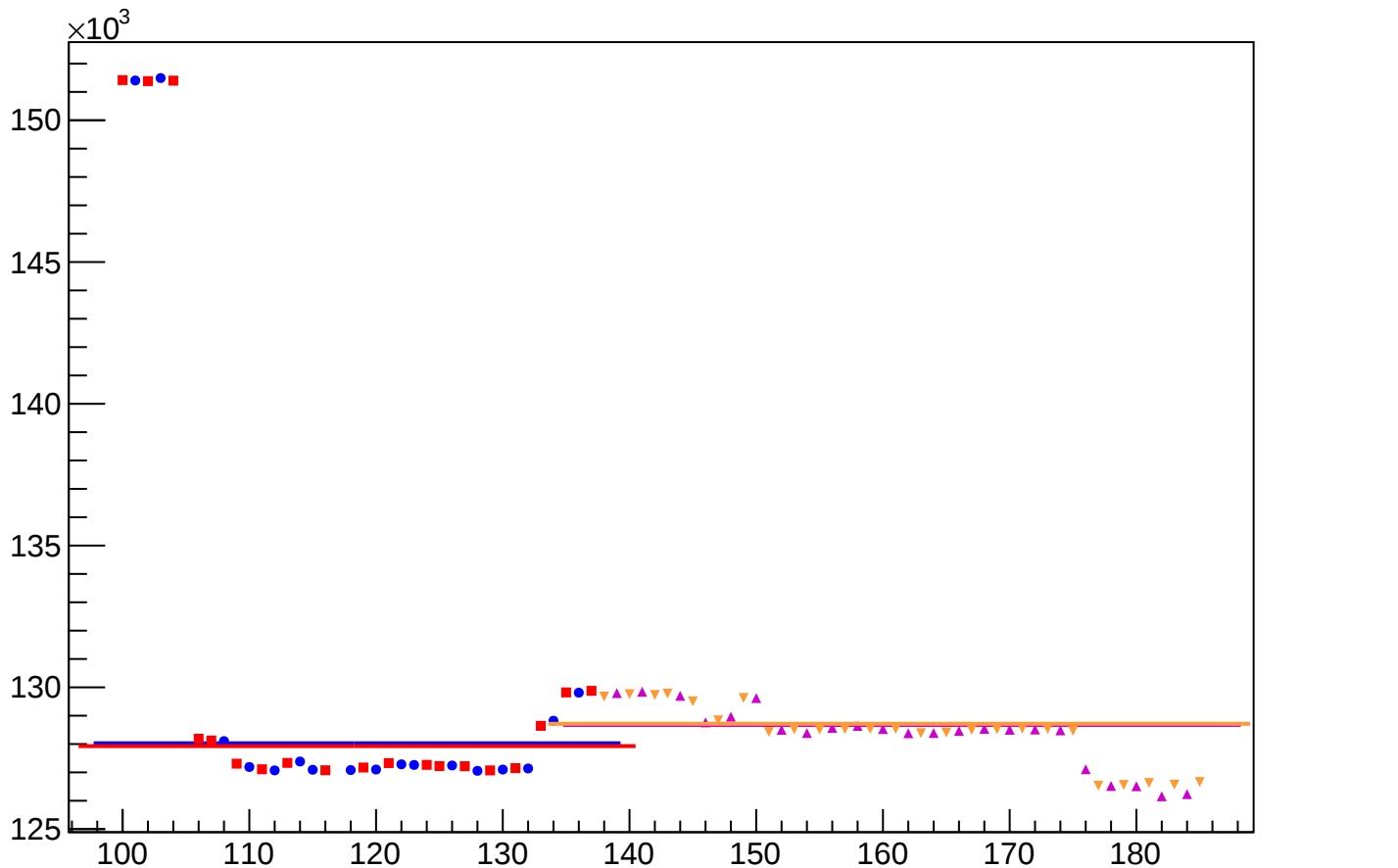
Right: 0.861+/-0.000 χ^2/NDF : 5501916.8/35

In: 0.812+/-0.000 χ^2/NDF : 3162869.4/39

Out: 0.819+/-0.000 χ^2/NDF : 3576075.5/43

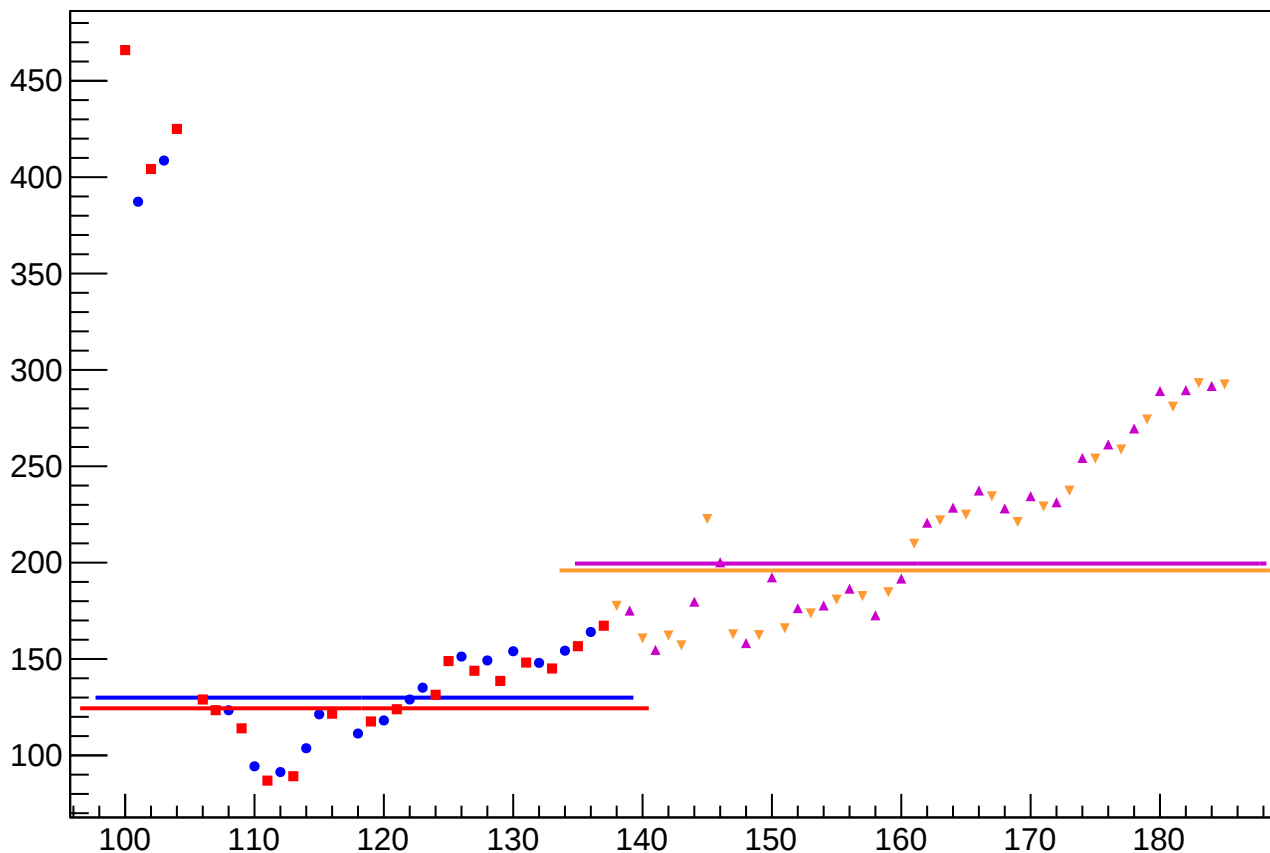
All: 0.816+/-0.000 χ^2/NDF : 6740348.4/83

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128026.197 $\pm$ 0.055 χ^2 /NDF: 4315820742.0/16
 Left Out: 128714.059 $\pm$ 0.047 χ^2 /NDF: 348029903.0/24
 Right Out: 127927.799 $\pm$ 0.050 χ^2 /NDF: 3766946876.4/18
 Left In: 128670.094 $\pm$ 0.049 χ^2 /NDF: 334875494.0/22
 Left: 128693.079 $\pm$ 0.034 χ^2 /NDF: 683329140.0/47
 Right: 127973.023 $\pm$ 0.037 χ^2 /NDF: 8084520593.8/16
 In: 128384.121 $\pm$ 0.036 χ^2 /NDF: 4727911614.5/39
 Out: 128351.100 $\pm$ 0.034 χ^2 /NDF: 4246086387.0/47
 All: 128366.594 $\pm$ 0.025 χ^2 /NDF: 897443460.0/100

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.956+/-0.039 χ^2/NDF : 1484094.0/16

Left Out: 195.953+/-0.033 χ^2/NDF : 1315215.7/24

Right Out: 124.419+/-0.036 χ^2/NDF : 1525709.6/18

Left In: 199.531+/-0.035 χ^2/NDF : 1175342.5/22

Left: 197.660+/-0.024 χ^2/NDF : 2496172.3/47

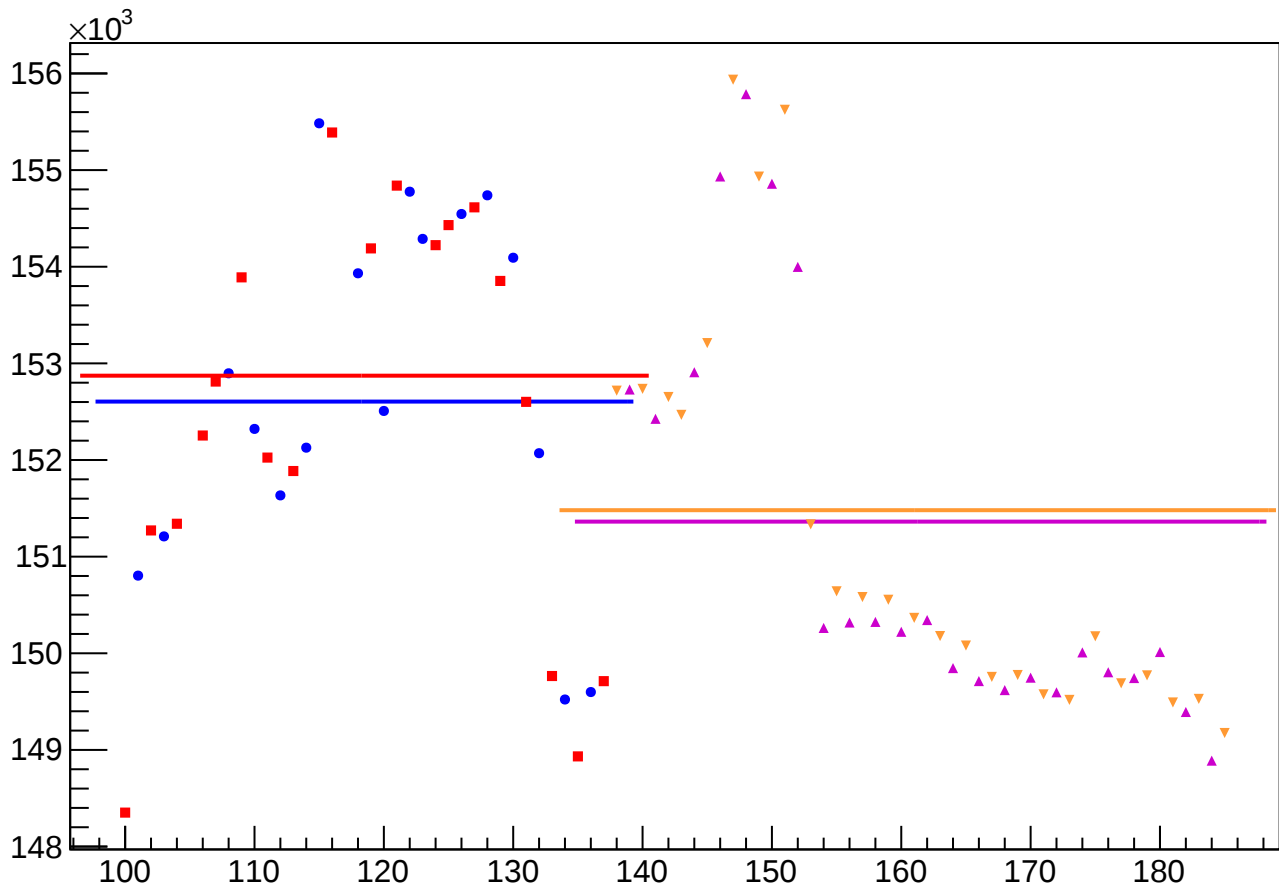
Right: 126.964+/-0.026 χ^2/NDF : 3020906.3/35

In: 168.631+/-0.026 χ^2/NDF : 4462471.6/39

Out: 162.931+/-0.024 χ^2/NDF : 5011404.2/43

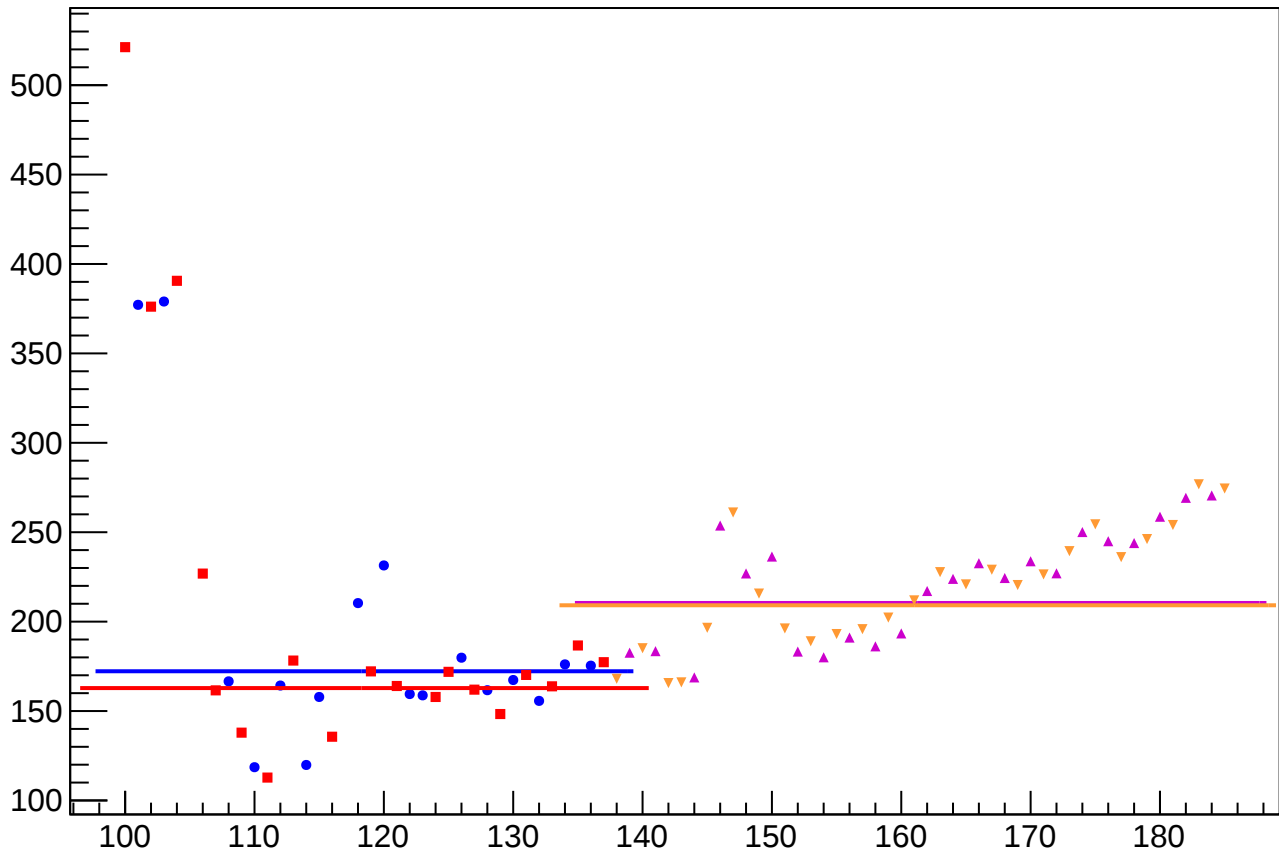
All: 165.606+/-0.018 χ^2/NDF : 9499894.8/83

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152604.581 $\pm$ 0.072 χ^2 /NDF: 618623287.4/16
 Left Out: 151480.652 $\pm$ 0.049 χ^2 /NDF: 1483436740.8/24
 Right Out: 152872.589 $\pm$ 0.066 χ^2 /NDF: 715748064.0/18
 Left In: 151362.440 $\pm$ 0.051 χ^2 /NDF: 1426782789.9/22
 Left: 151423.597 $\pm$ 0.036 χ^2 /NDF: 2912974833.6/4
 Right: 152750.468 $\pm$ 0.049 χ^2 /NDF: 1341835055.0/4
 In: 151776.968 $\pm$ 0.042 χ^2 /NDF: 2241646178.5/39
 Out: 151979.297 $\pm$ 0.040 χ^2 /NDF: 2482732239.8/4
 All: 151883.535 $\pm$ 0.029 χ^2 /NDF: 473671205.0/4

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.246+/-0.051 χ^2/NDF : 925645.6/16

Left Out: 209.146+/-0.035 χ^2/NDF : 709639.9/24

Right Out: 162.843+/-0.047 χ^2/NDF : 1031113.1/18

Left In: 210.431+/-0.036 χ^2/NDF : 684015.0/22

Left: 209.766+/-0.025 χ^2/NDF : 1394305.4/47

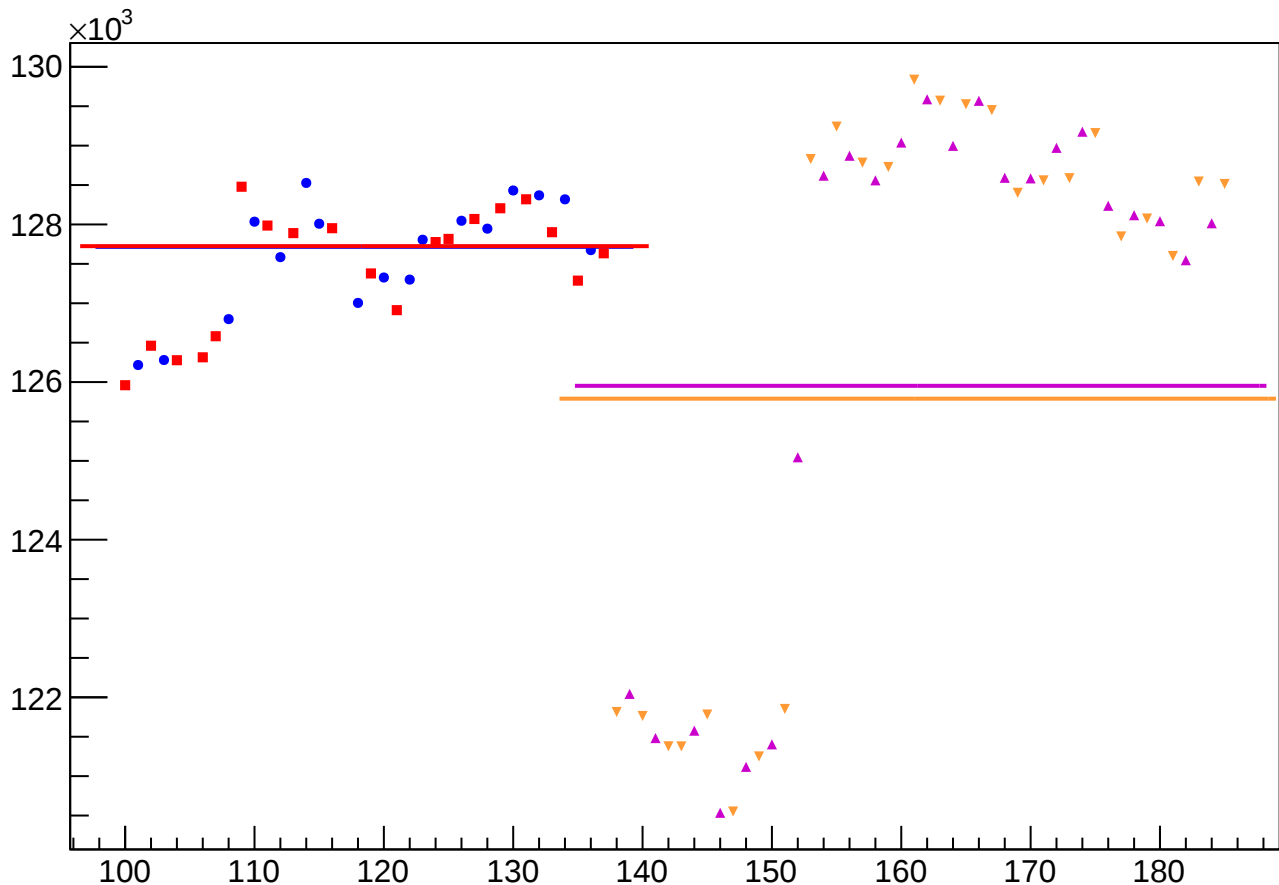
Right: 167.127+/-0.035 χ^2/NDF : 1975134.5/35

In: 197.688+/-0.030 χ^2/NDF : 1980558.2/39

Out: 192.559+/-0.028 χ^2/NDF : 2368298.9/43

All: 194.986+/-0.020 χ^2/NDF : 4364709.1/83

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127716.166 $\pm$ 0.058 χ^2/NDF : 94931980.7/16

Left Out: 125789.595 $\pm$ 0.044 χ^2/NDF : 6743558526.9/24

Right Out: 127724.552 $\pm$ 0.055 χ^2/NDF : 112583303.4/18

Left In: 125952.447 $\pm$ 0.045 χ^2/NDF : 5841800367.5/22

Left: 125869.740 $\pm$ 0.031 χ^2/NDF : 12592111075.7/16

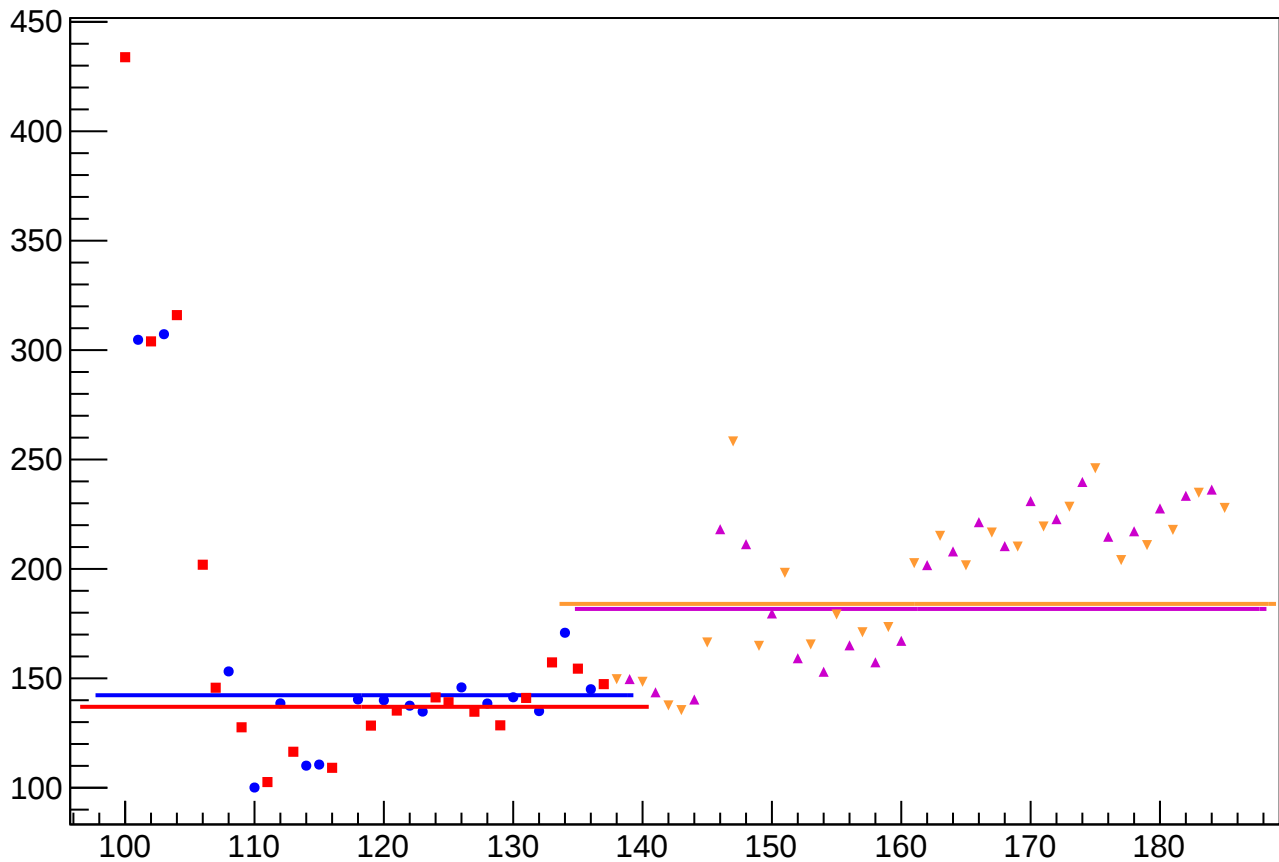
Right: 127720.646 $\pm$ 0.040 χ^2/NDF : 207526294.1/30

In: 126603.182 $\pm$ 0.035 χ^2/NDF : 6512098312.0/30

Out: 126551.636 $\pm$ 0.034 χ^2/NDF : 7618972026.3/40

All: 126576.486 $\pm$ 0.025 χ^2/NDF : 141321635.0/68

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.282 $\pm$ 0.041 χ^2 /NDF: 836459.8/16

Left Out: 184.023 $\pm$ 0.031 χ^2 /NDF: 1126483.3/24

Right Out: 136.989 $\pm$ 0.039 χ^2 /NDF: 956883.0/18

Left In: 181.714 $\pm$ 0.032 χ^2 /NDF: 1116142.0/22

Left: 182.887 $\pm$ 0.022 χ^2 /NDF: 2245341.0/47

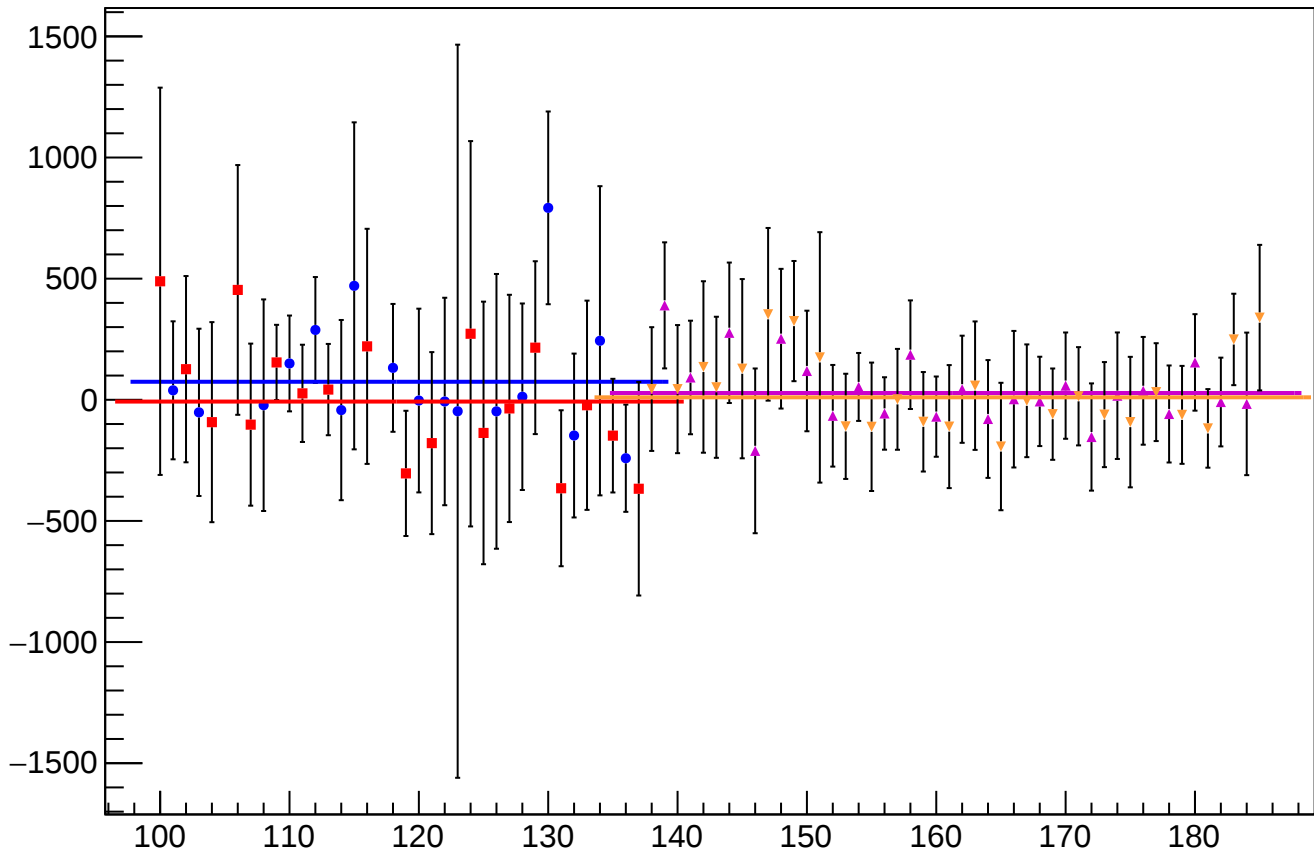
Right: 139.455 $\pm$ 0.028 χ^2 /NDF: 1802113.8/35

In: 167.165 $\pm$ 0.025 χ^2 /NDF: 2527798.7/39

Out: 165.500 $\pm$ 0.024 χ^2 /NDF: 2984808.7/43

All: 166.303 $\pm$ 0.017 χ^2 /NDF: 5514889.1/83

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.411+/-79.831 χ^2/NDF : 7.7/16

Left Out: 10.191+/-47.500 χ^2/NDF : 8.5/24

Right Out: -7.330+/-70.110 χ^2/NDF : 7.2/18

Left In: 28.050+/-44.573 χ^2/NDF : 7.0/22

Left: 19.688+/-32.503 χ^2/NDF : 15.5/47

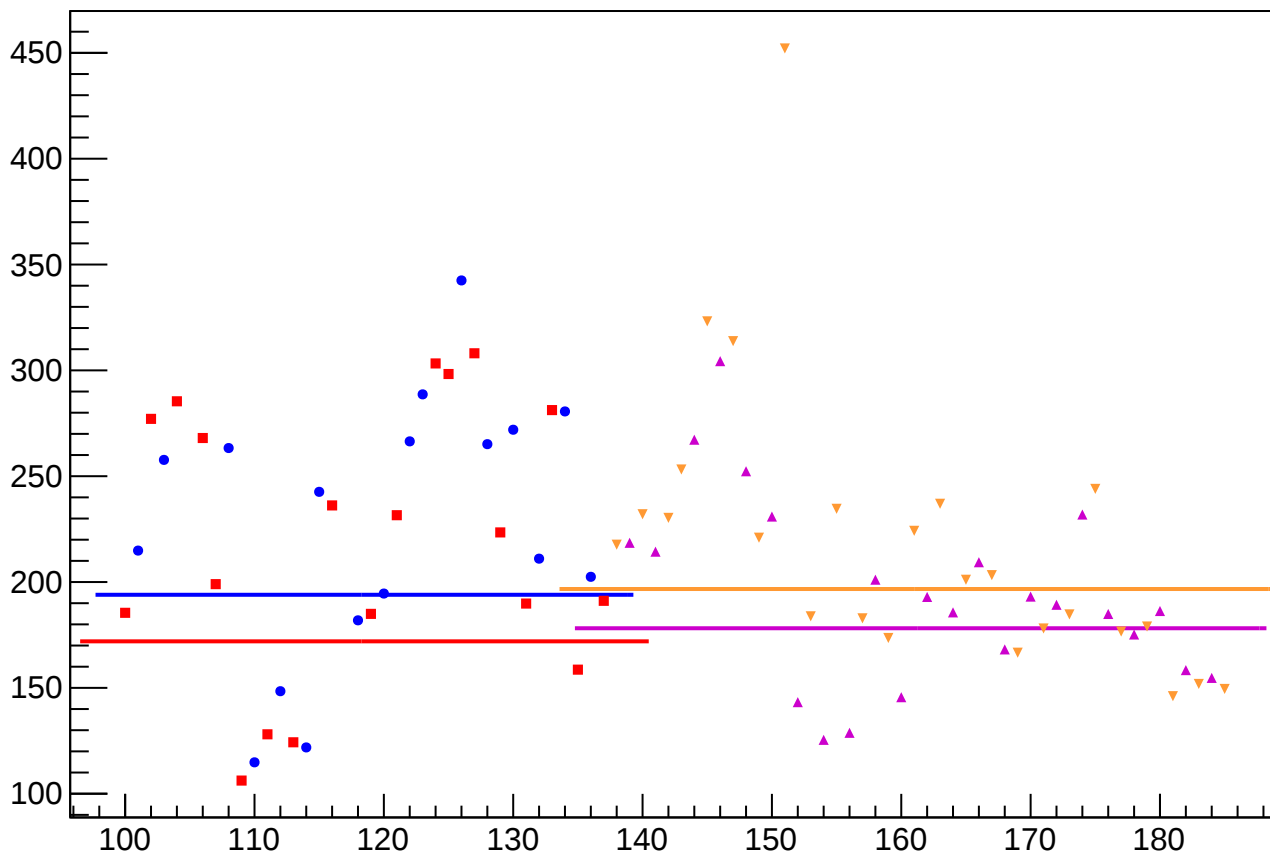
Right: 28.263+/-52.679 χ^2/NDF : 15.5/35

In: 39.068+/-38.917 χ^2/NDF : 15.0/39

Out: 4.679+/-39.324 χ^2/NDF : 15.7/43

All: 22.052+/-27.662 χ^2/NDF : 31.1/83

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.981 $\pm$ 0.056 χ^2/NDF : 1018863.8/16

Left Out: 196.707 $\pm$ 0.034 χ^2/NDF :1781599.6/24

Right Out: 171.982 $\pm$ 0.050 χ^2/NDF : 1574584.7/18

Left In: 178.166 $\pm$ 0.032 χ^2/NDF :1618967.9/22

Left: 186.847 $\pm$ 0.023 χ^2/NDF : 3562610.6/47

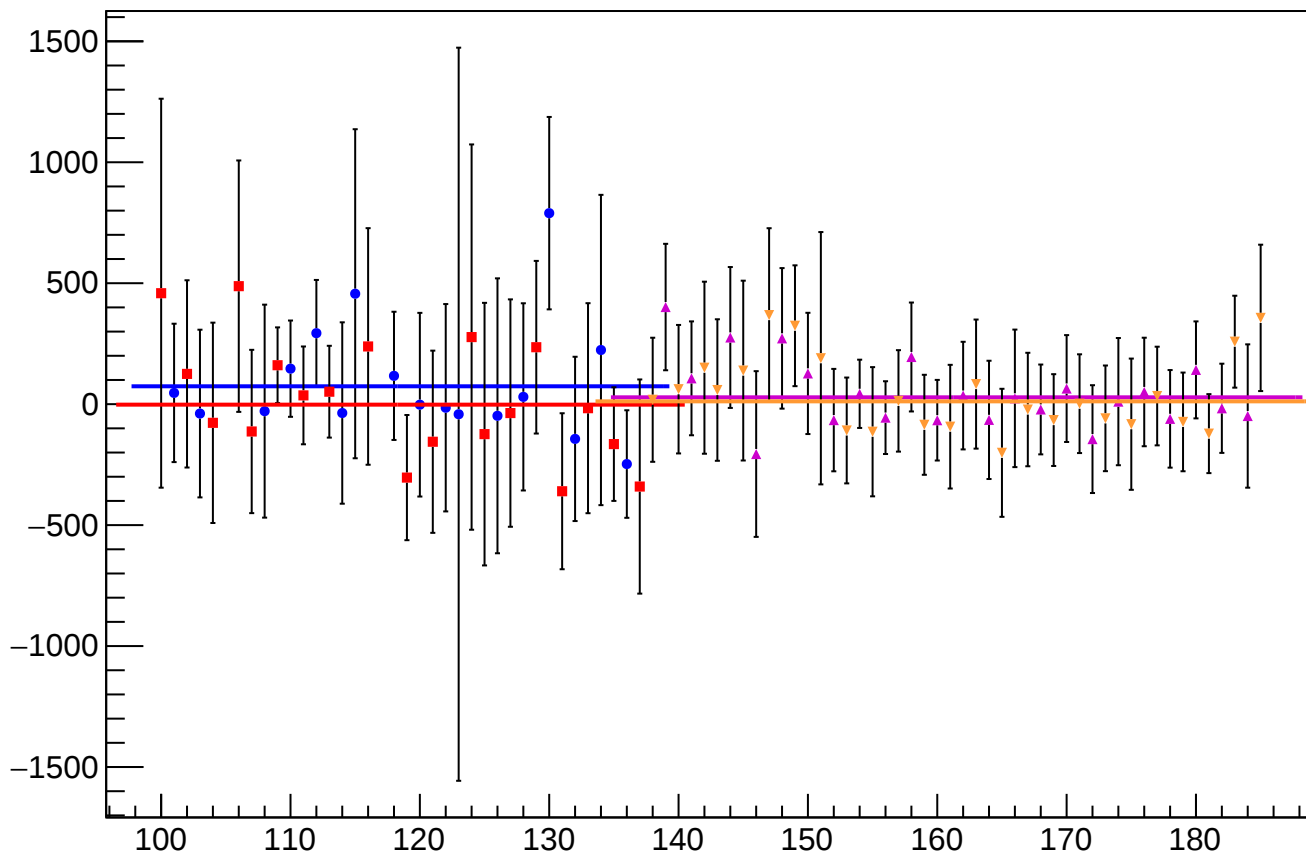
Right: 181.561 $\pm$ 0.037 χ^2/NDF : 2679188.8/35

In: 181.924 $\pm$ 0.028 χ^2/NDF :2697671.4/39

Out: 188.928 $\pm$ 0.028 χ^2/NDF :3526660.1/43

All: 185.390 $\pm$ 0.020 χ^2/NDF : 6256384.5/83

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 73.870+/-80.221 χ^2/NDF : 7.7/16

Left Out: 11.624+/-47.831 χ^2/NDF : 8.9/24

Right Out: -2.039+/-70.480 χ^2/NDF : 7.4/18

Left In: 28.280+/-44.863 χ^2/NDF : 7.1/22

Left: 20.485+/-32.722 χ^2/NDF : 16.0/47

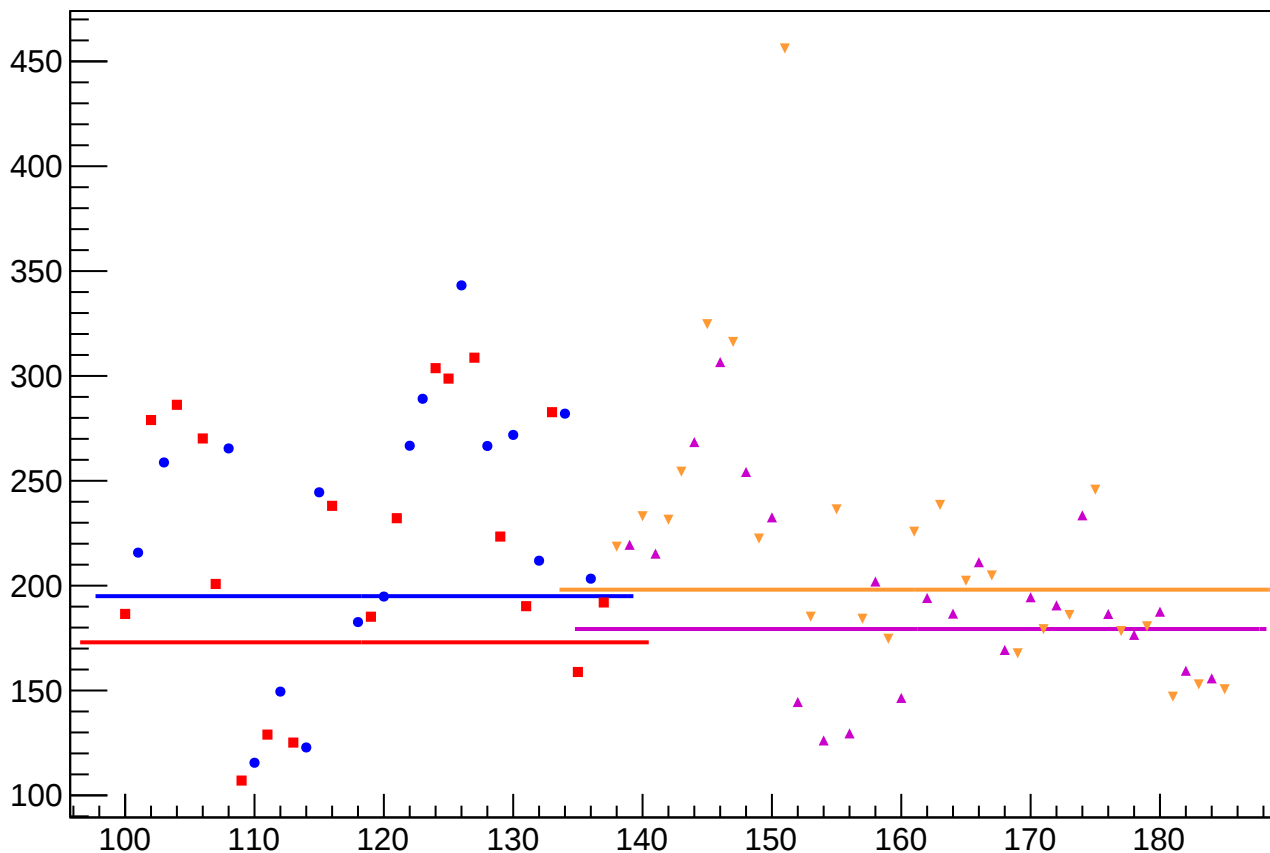
Right: 31.030+/-52.948 χ^2/NDF : 15.5/35

In: 39.142+/-39.156 χ^2/NDF : 15.0/39

Out: 7.316+/-39.578 χ^2/NDF : 16.3/43

All: 23.399+/-27.835 χ^2/NDF : 31.6/83

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.991 $\pm$ 0.057 χ^2/NDF : 1010319.8/16

Left Out: 198.084 $\pm$ 0.034 χ^2/NDF :1777419.6/24

Right Out: 172.973 $\pm$ 0.050 χ^2/NDF : 1562363.3/18

Left In: 179.324 $\pm$ 0.032 χ^2/NDF :1618266.2/22

Left: 188.104 $\pm$ 0.023 χ^2/NDF : 3559361.1/47

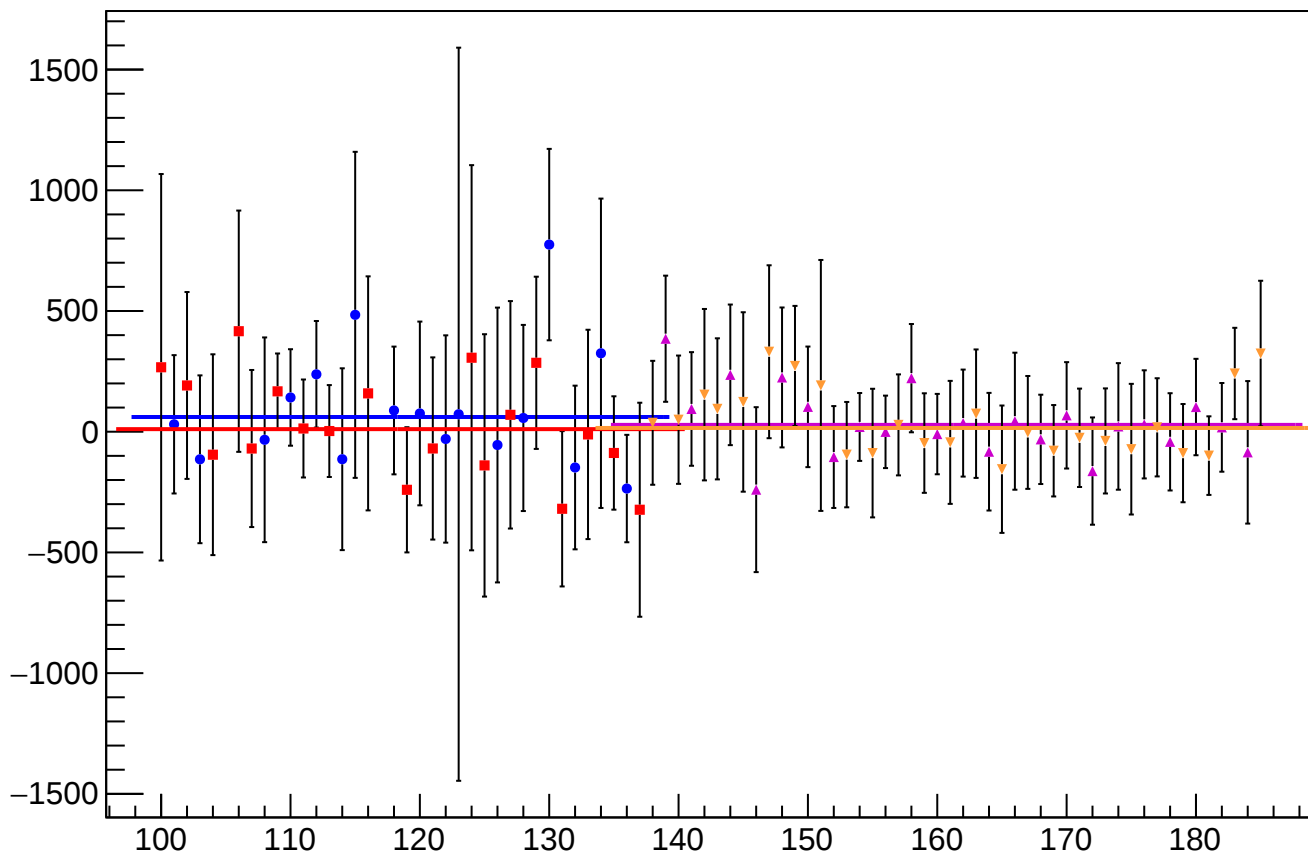
Right: 182.565 $\pm$ 0.037 χ^2/NDF : 2657714.7/35

In: 183.057 $\pm$ 0.028 χ^2/NDF :2686698.8/39

Out: 190.166 $\pm$ 0.028 χ^2/NDF :3513603.5/43

All: 186.573 $\pm$ 0.020 χ^2/NDF : 6232913.7/83

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 60.929 $\pm$ 80.216 χ^2 /NDF: 7.4/16

Left Out: 15.525 $\pm$ 47.706 χ^2 /NDF:7.0/24

Right Out: 10.668 $\pm$ 70.402 χ^2 /NDF: 5.8/18

Left In: 28.277 $\pm$ 44.743 χ^2 /NDF:6.4/22

Left: 22.309 $\pm$ 32.636 χ^2 /NDF: 13.4/47

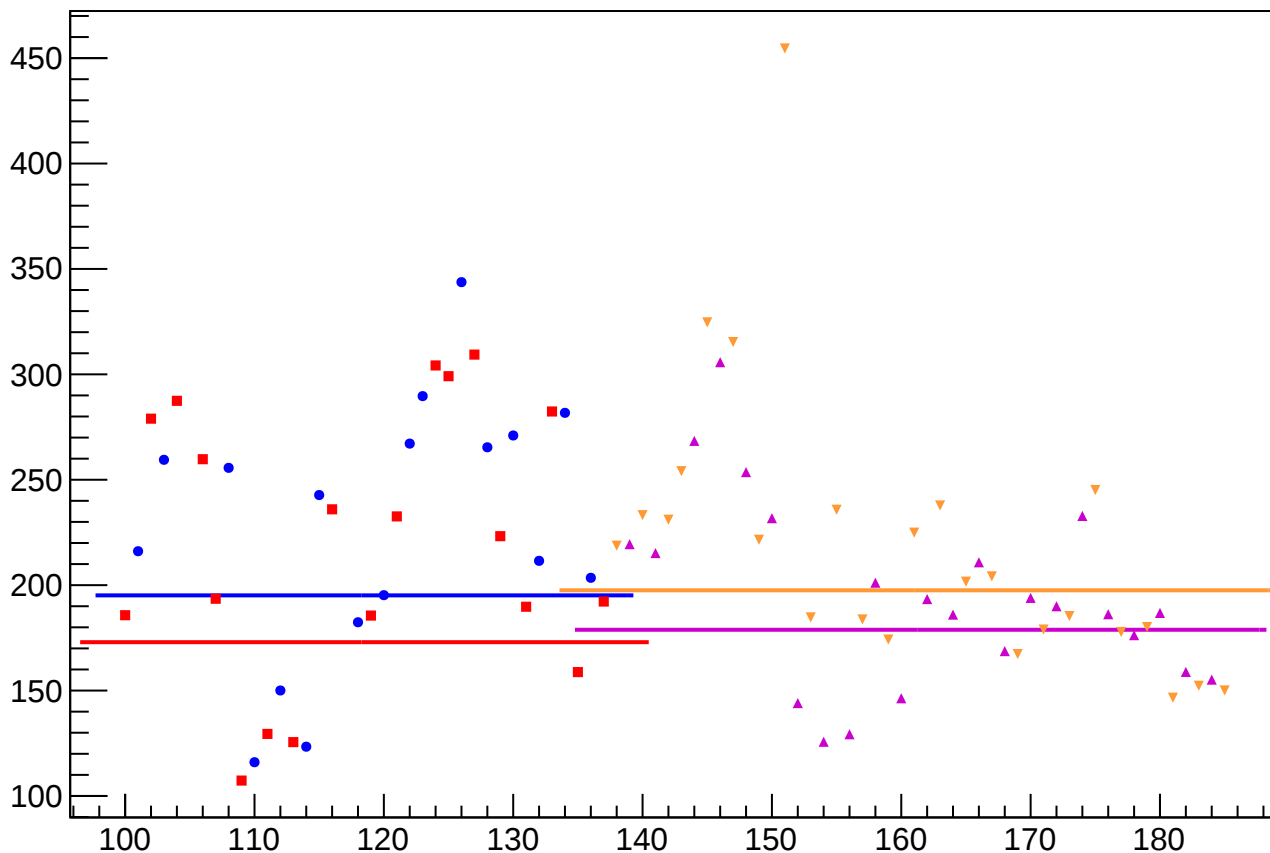
Right: 32.537 $\pm$ 52.913 χ^2 /NDF: 13.4/35

In: 36.025 $\pm$ 39.076 χ^2 /NDF:13.9/39

Out: 13.996 $\pm$ 39.493 χ^2 /NDF:12.8/43

All: 25.127 $\pm$ 27.777 χ^2 /NDF: 26.8/83

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 195.157 $\pm$ 0.057 χ^2 /NDF: 988306.7/16

Left Out: 197.553 $\pm$ 0.034 χ^2 /NDF:1783096.2/24

Right Out: 172.948 $\pm$ 0.050 χ^2 /NDF: 1539308.8/18

Left In: 178.836 $\pm$ 0.032 χ^2 /NDF:1622266.9/22

Left: 187.595 $\pm$ 0.023 χ^2 /NDF: 3569148.4/47

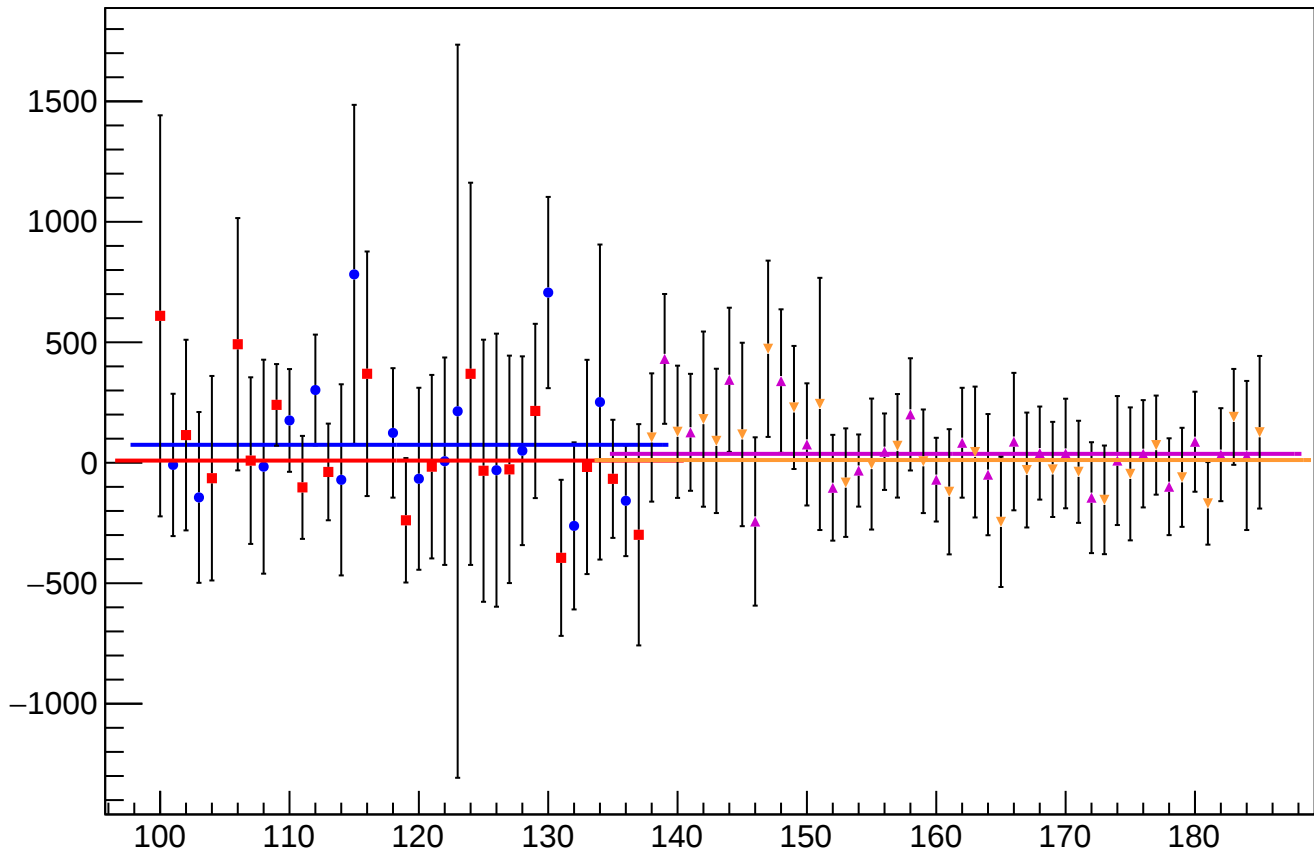
Right: 182.611 $\pm$ 0.037 χ^2 /NDF: 2614216.7/35

In: 182.709 $\pm$ 0.028 χ^2 /NDF:2673719.8/39

Out: 189.810 $\pm$ 0.028 χ^2 /NDF:3489824.1/43

All: 186.221 $\pm$ 0.020 χ^2 /NDF: 6196219.0/83

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 74.541 $\pm$ 82.742 χ^2 /NDF: 7.7/16

Left Out: 11.307 $\pm$ 49.208 χ^2 /NDF: 7.6/24

Right Out: 9.056 $\pm$ 73.353 χ^2 /NDF: 7.7/18

Left In: 37.000 $\pm$ 46.358 χ^2 /NDF: 7.9/22

Left: 24.919 $\pm$ 33.743 χ^2 /NDF: 15.6/47

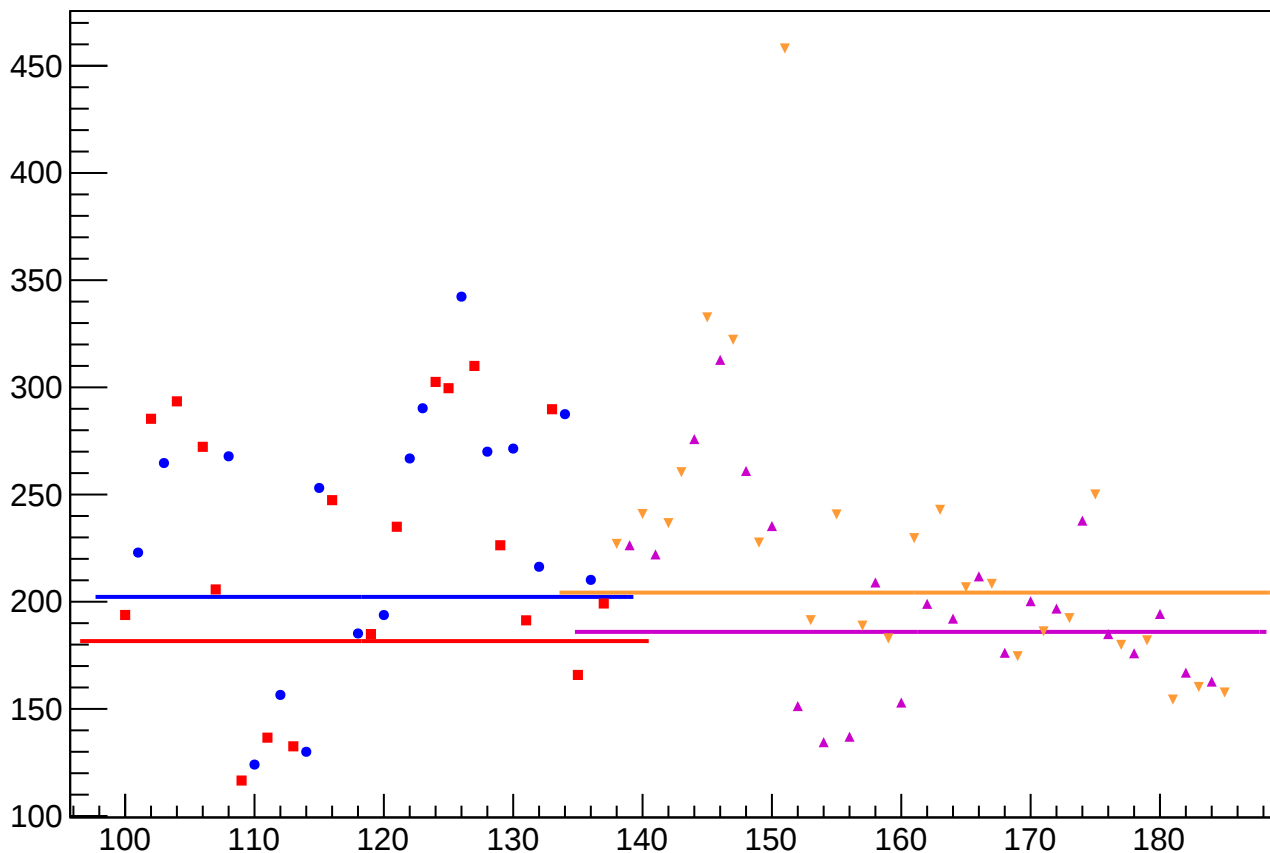
Right: 37.874 $\pm$ 54.889 χ^2 /NDF: 15.8/35

In: 45.969 $\pm$ 40.443 χ^2 /NDF: 15.7/39

Out: 10.608 $\pm$ 40.865 χ^2 /NDF: 15.3/43

All: 28.472 $\pm$ 28.745 χ^2 /NDF: 31.4/83

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.251+/-0.059 χ^2/NDF : 883731.1/16

Left Out: 204.260+/-0.035 χ^2/NDF : 1674685.4/24

Right Out: 181.640+/-0.052 χ^2/NDF : 1373481.9/18

Left In: 185.931+/-0.033 χ^2/NDF : 1460065.0/22

Left: 194.549+/-0.024 χ^2/NDF : 3281749.1/47

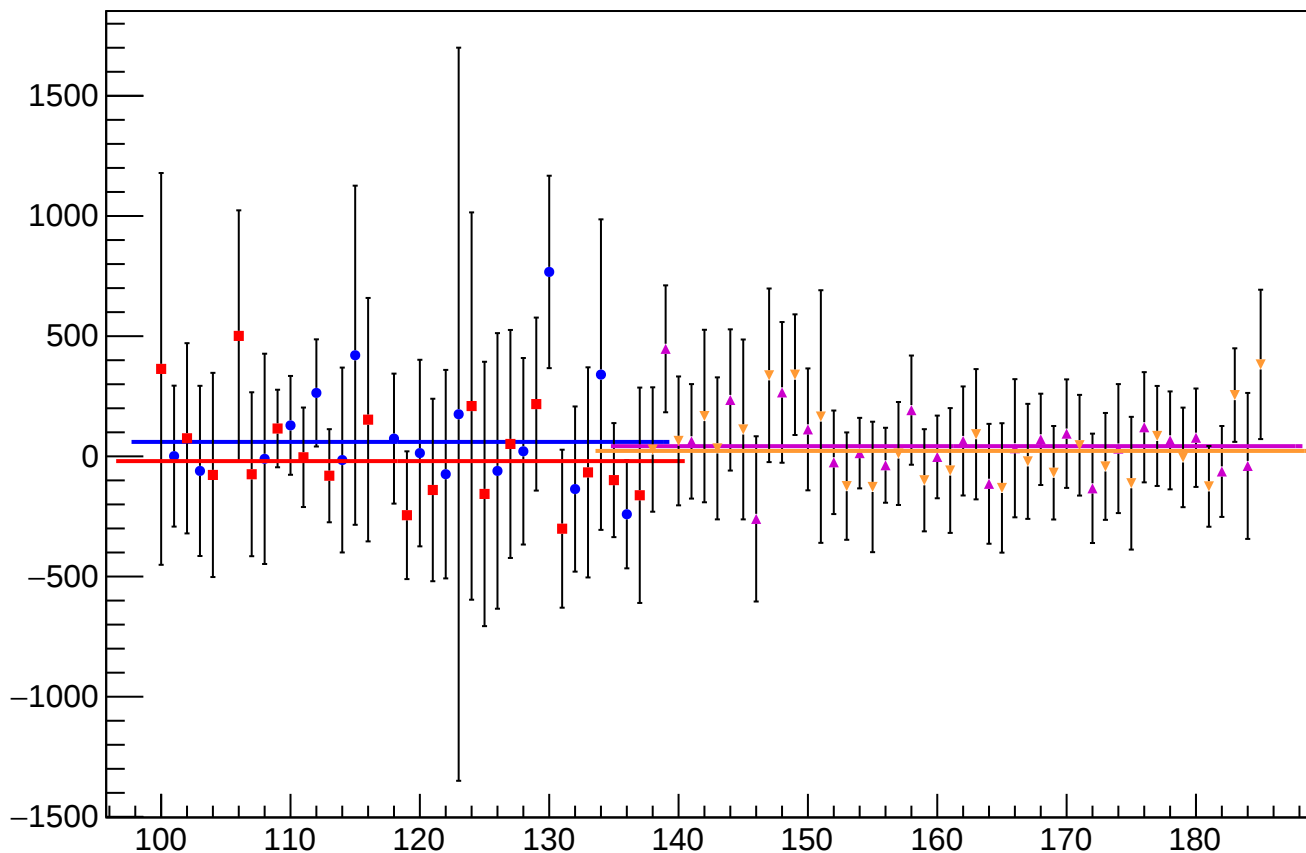
Right: 190.710+/-0.039 χ^2/NDF : 2326703.3/35

In: 189.830+/-0.029 χ^2/NDF : 2403012.0/39

Out: 197.240+/-0.029 χ^2/NDF : 3179326.9/43

All: 193.496+/-0.020 χ^2/NDF : 5615553.2/83

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 60.119 $\pm$ 81.659 χ^2 /NDF: 7.0/16

Left Out: 22.608 $\pm$ 48.750 χ^2 /NDF:8.5/24

Right Out: -19.746 $\pm$ 71.914 χ^2 /NDF: 4.6/18

Left In: 42.446 $\pm$ 45.861 χ^2 /NDF:6.7/22

Left: 33.132 $\pm$ 33.403 χ^2 /NDF: 15.3/47

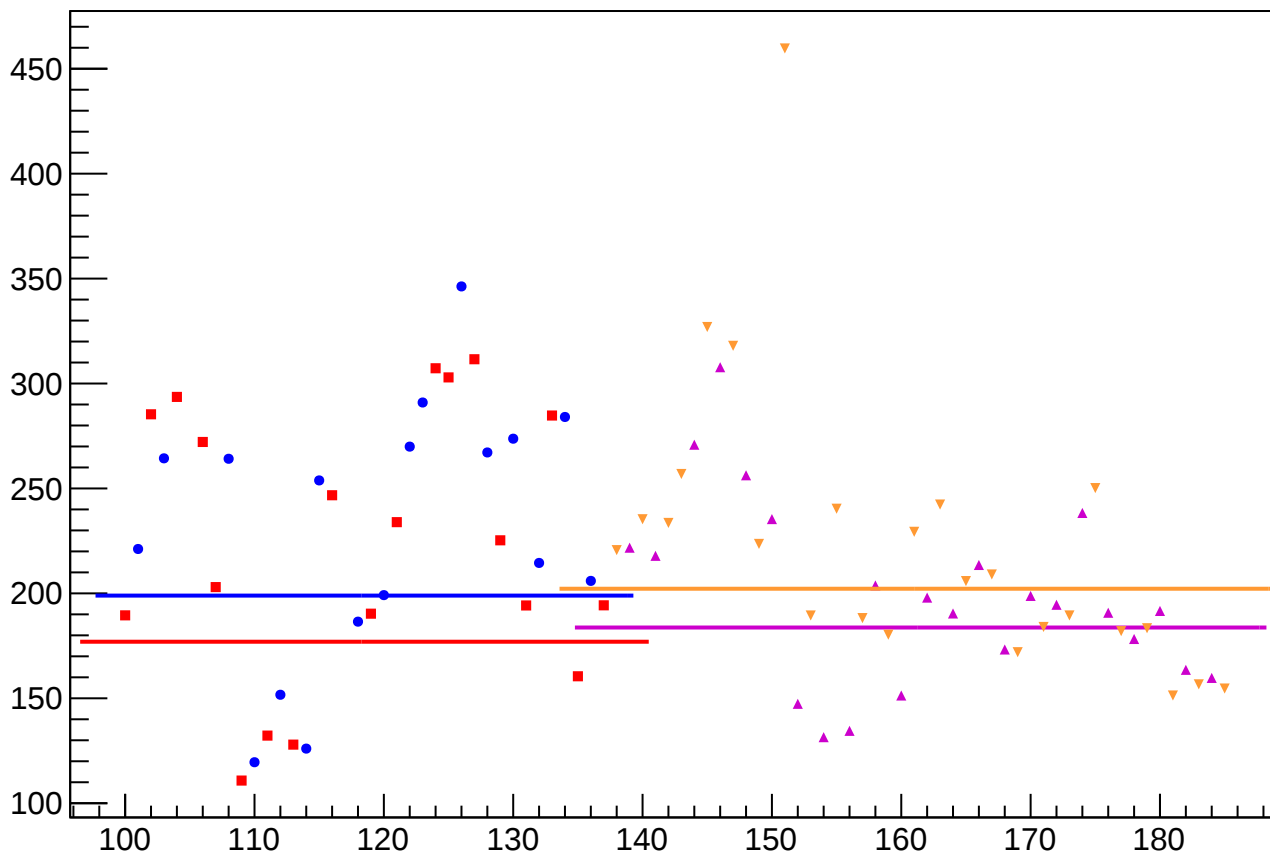
Right: 15.139 $\pm$ 53.969 χ^2 /NDF: 12.2/35

In: 46.684 $\pm$ 39.986 χ^2 /NDF:13.8/39

Out: 9.272 $\pm$ 40.352 χ^2 /NDF:13.3/43

All: 28.148 $\pm$ 28.403 χ^2 /NDF: 27.6/83

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.943 $\pm$ 0.058 χ^2 /NDF: 965773.2/16

Left Out: 202.210 $\pm$ 0.034 χ^2 /NDF: 1695547.9/24

Right Out: 176.962 $\pm$ 0.051 χ^2 /NDF: 1519544.5/18

Left In: 183.732 $\pm$ 0.032 χ^2 /NDF: 1495930.4/22

Left: 192.407 $\pm$ 0.024 χ^2 /NDF: 3343917.5/47

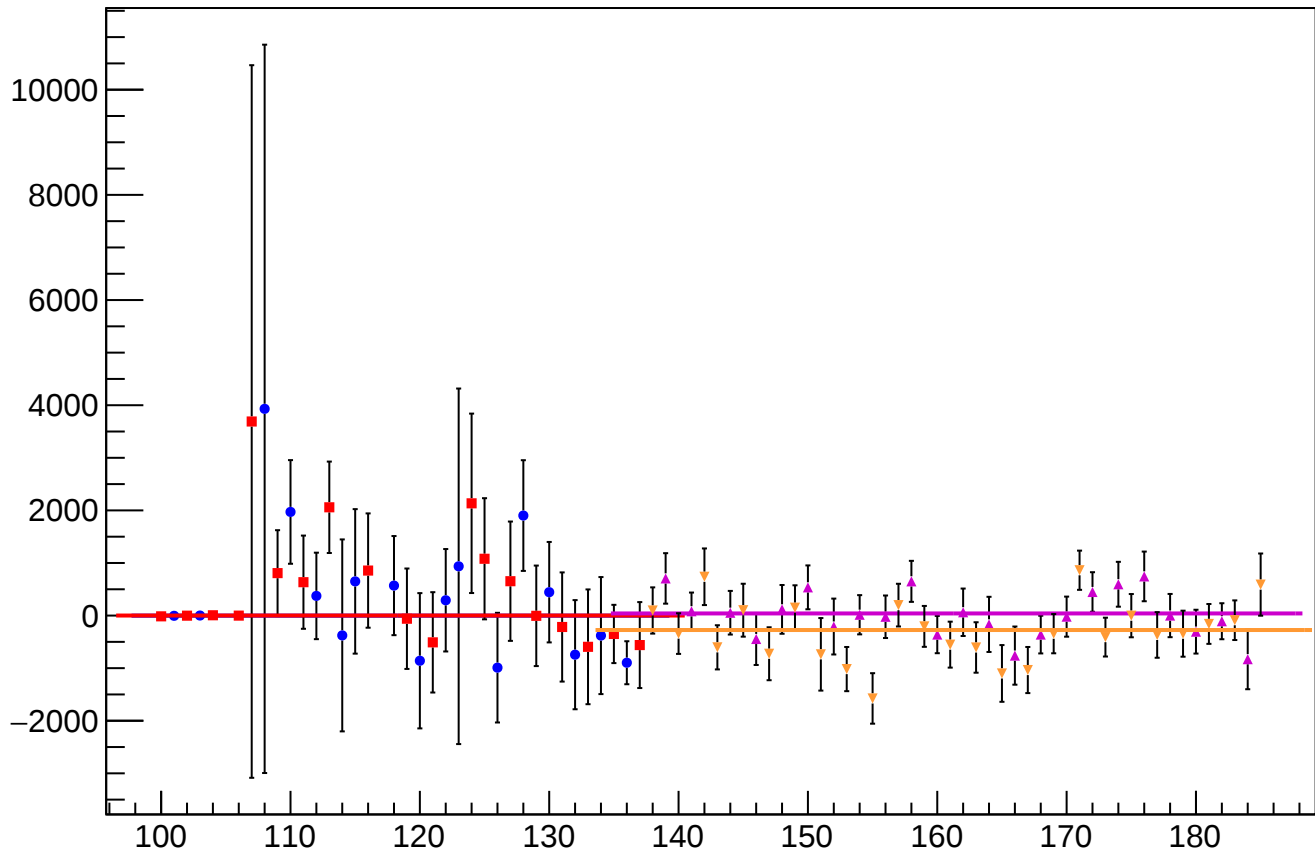
Right: 186.563 $\pm$ 0.038 χ^2 /NDF: 2566934.9/35

In: 187.379 $\pm$ 0.028 χ^2 /NDF: 2514456.5/39

Out: 194.261 $\pm$ 0.029 χ^2 /NDF: 3384008.5/43

All: 190.789 $\pm$ 0.020 χ^2 /NDF: 5927811.5/83

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.9/16

Left Out: -274.809 ± 86.887 χ^2/NDF : 38.3/24

Right Out: 0.731 ± 2.111 χ^2/NDF : 18.2/18

Left In: 40.480 ± 87.470 χ^2/NDF : 20.2/22

Left: -118.219 ± 61.643 χ^2/NDF : 65.0/47

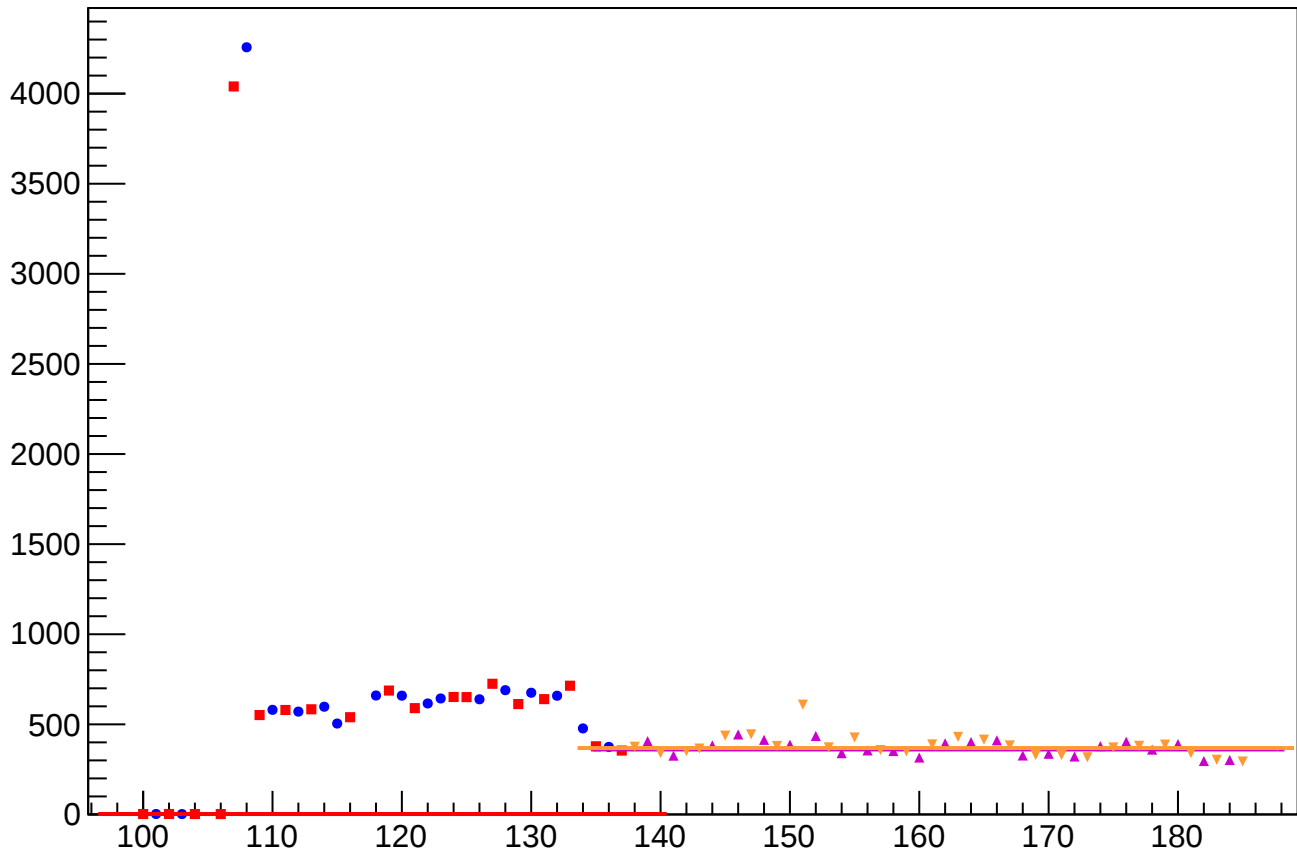
Right: -0.326 ± 1.540 χ^2/NDF : 35.7/35

In: -1.501 ± 2.251 χ^2/NDF : 37.3/39

Out: 0.568 ± 2.111 χ^2/NDF : 66.5/43

All: -0.400 ± 1.540 χ^2/NDF : 104.3/83

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10667142.2/16

Left Out: 368.529+/-0.061 χ^2/NDF : 622457.3/24

Right Out: 2.436+/-0.001 χ^2/NDF : 11094072.3/18

Left In: 360.571+/-0.062 χ^2/NDF : 421995.5/22

Left: 364.577+/-0.044 χ^2/NDF : 1052784.6/47

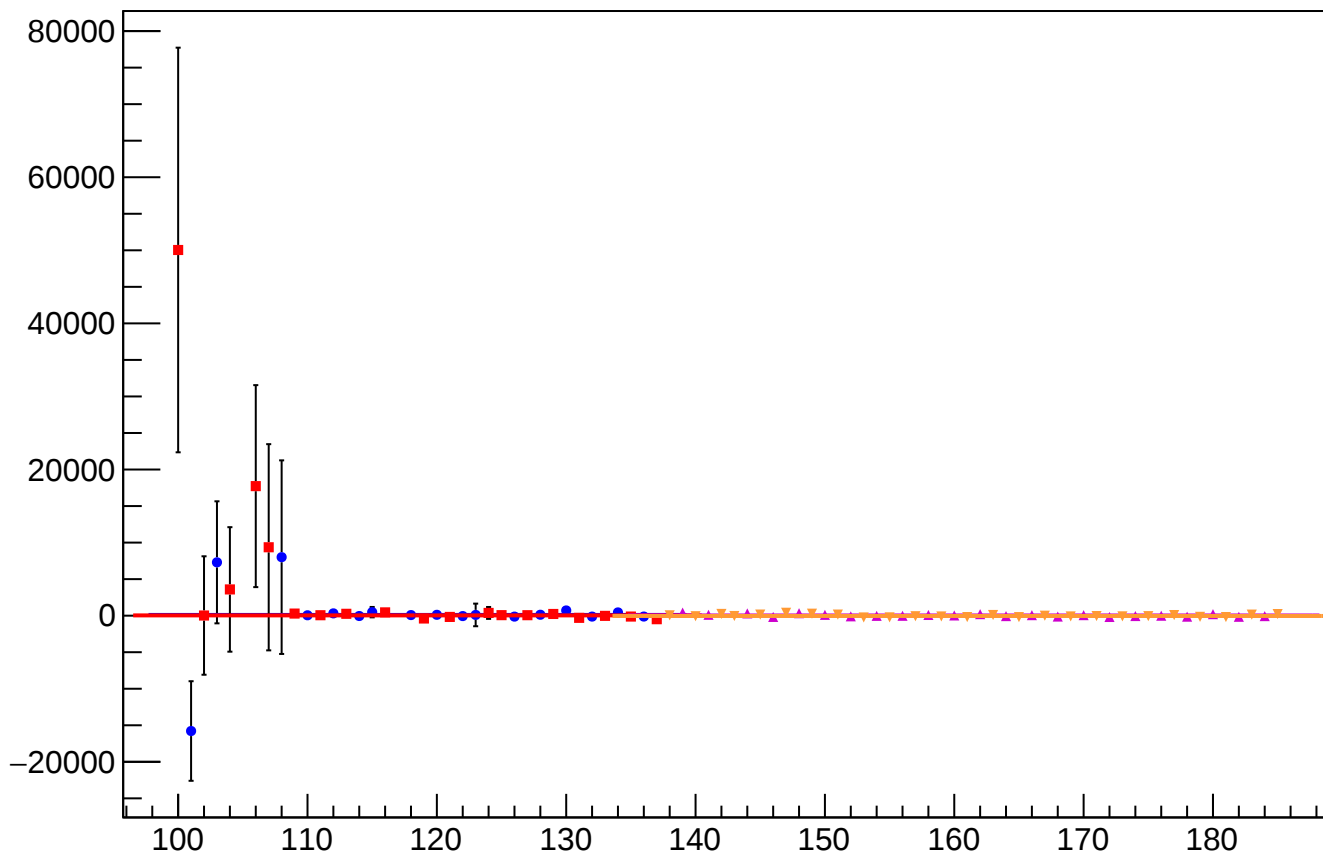
Right: 2.446+/-0.001 χ^2/NDF : 21761293.3/35

In: 2.693+/-0.002 χ^2/NDF : 44591142.4/39

Out: 2.652+/-0.001 χ^2/NDF : 47201926.5/43

All: 2.671+/-0.001 χ^2/NDF : 91793413.1/83

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 99.358 $\pm$ 92.026 χ^2 /NDF: 12.0/16

Left Out: -39.199 $\pm$ 49.586 χ^2 /NDF:9.1/24

Right Out: 38.144 $\pm$ 84.576 χ^2 /NDF: 14.1/18

Left In: 28.062 $\pm$ 48.032 χ^2 /NDF:9.6/22

Left: -4.498 $\pm$ 34.500 χ^2 /NDF: 19.7/47

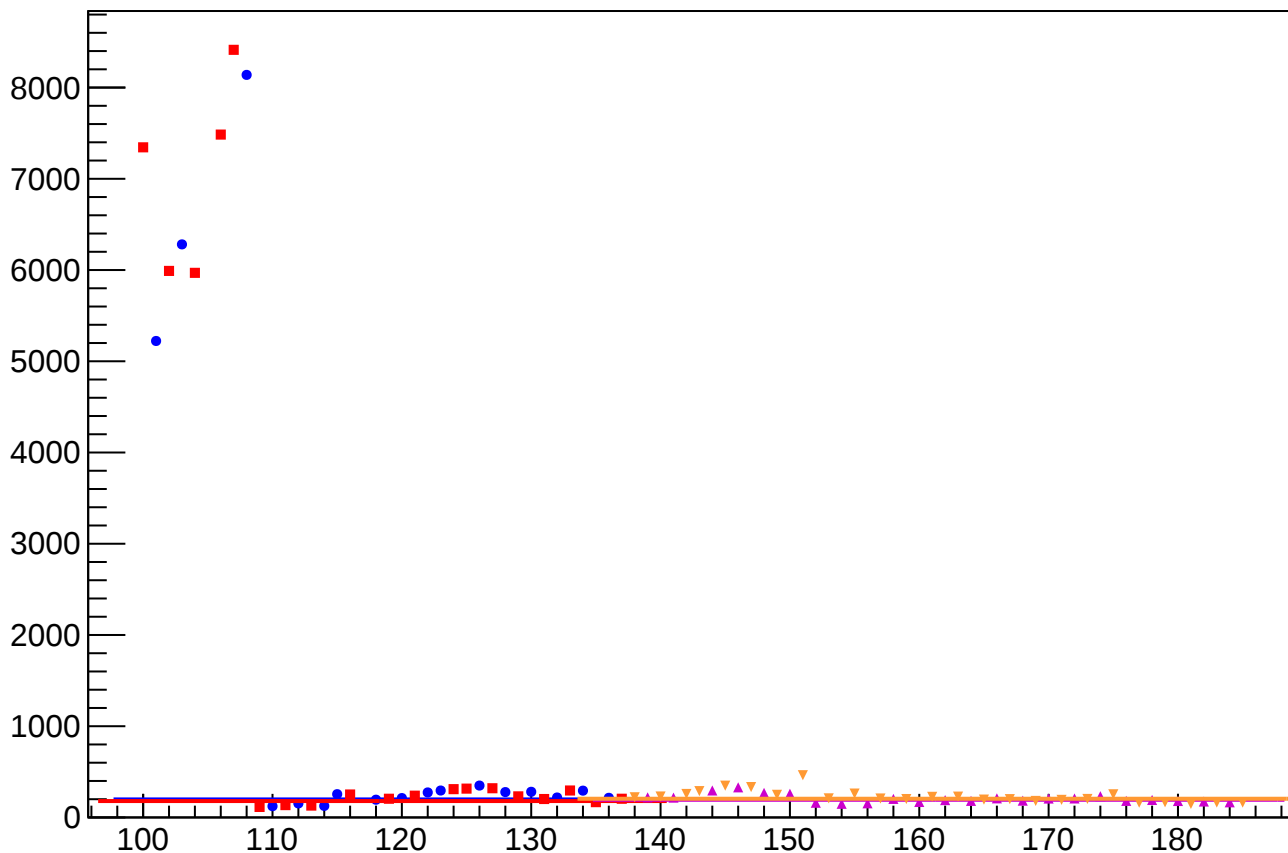
Right: 66.173 $\pm$ 62.272 χ^2 /NDF: 26.4/35

In: 43.326 $\pm$ 42.581 χ^2 /NDF:22.1/39

Out: -19.414 $\pm$ 42.776 χ^2 /NDF:23.9/43

All: 12.100 $\pm$ 30.178 χ^2 /NDF: 47.0/83

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.646 $\pm$ 0.065 χ^2 /NDF: 3699445.6/16

Left Out: 205.131 $\pm$ 0.035 χ^2 /NDF:1956896.7/24

Right Out: 179.782 $\pm$ 0.060 χ^2 /NDF: 4315815.4/18

Left In: 193.616 $\pm$ 0.034 χ^2 /NDF:1179471.1/22

Left: 199.190 $\pm$ 0.024 χ^2 /NDF: 3192012.6/47

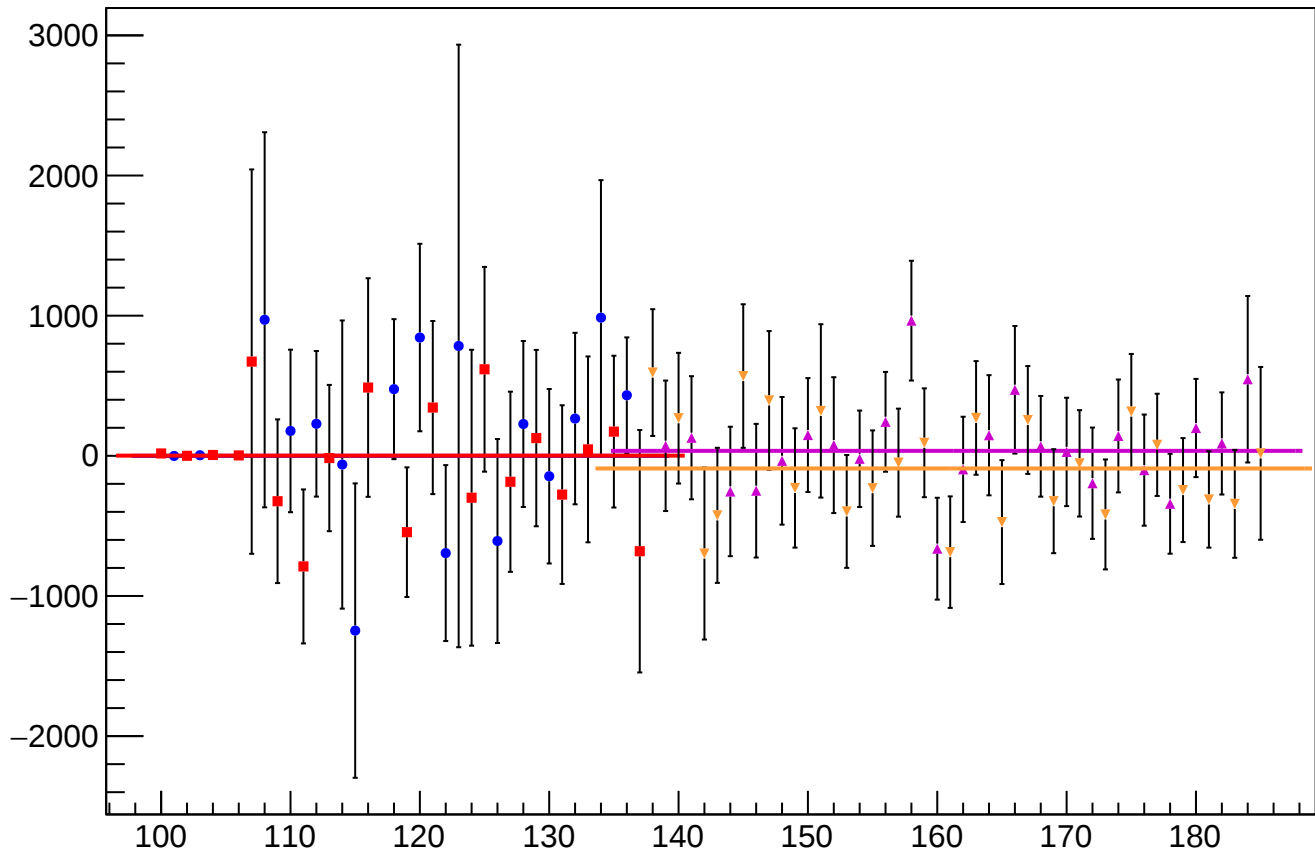
Right: 187.962 $\pm$ 0.044 χ^2 /NDF: 8056116.7/35

In: 194.479 $\pm$ 0.030 χ^2 /NDF:4881930.6/39

Out: 198.647 $\pm$ 0.030 χ^2 /NDF:6406419.5/43

All: 196.553 $\pm$ 0.021 χ^2 /NDF: 11297886.6/83

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.141±1.737 χ^2/NDF : 10.1/16

Left Out: -90.167±84.093 χ^2/NDF :16.4/24

Right Out: 1.323±1.623 χ^2/NDF : 9.3/18

Left In: 35.488±84.382 χ^2/NDF :13.4/22

Left: -27.555±59.565 χ^2/NDF : 30.9/47

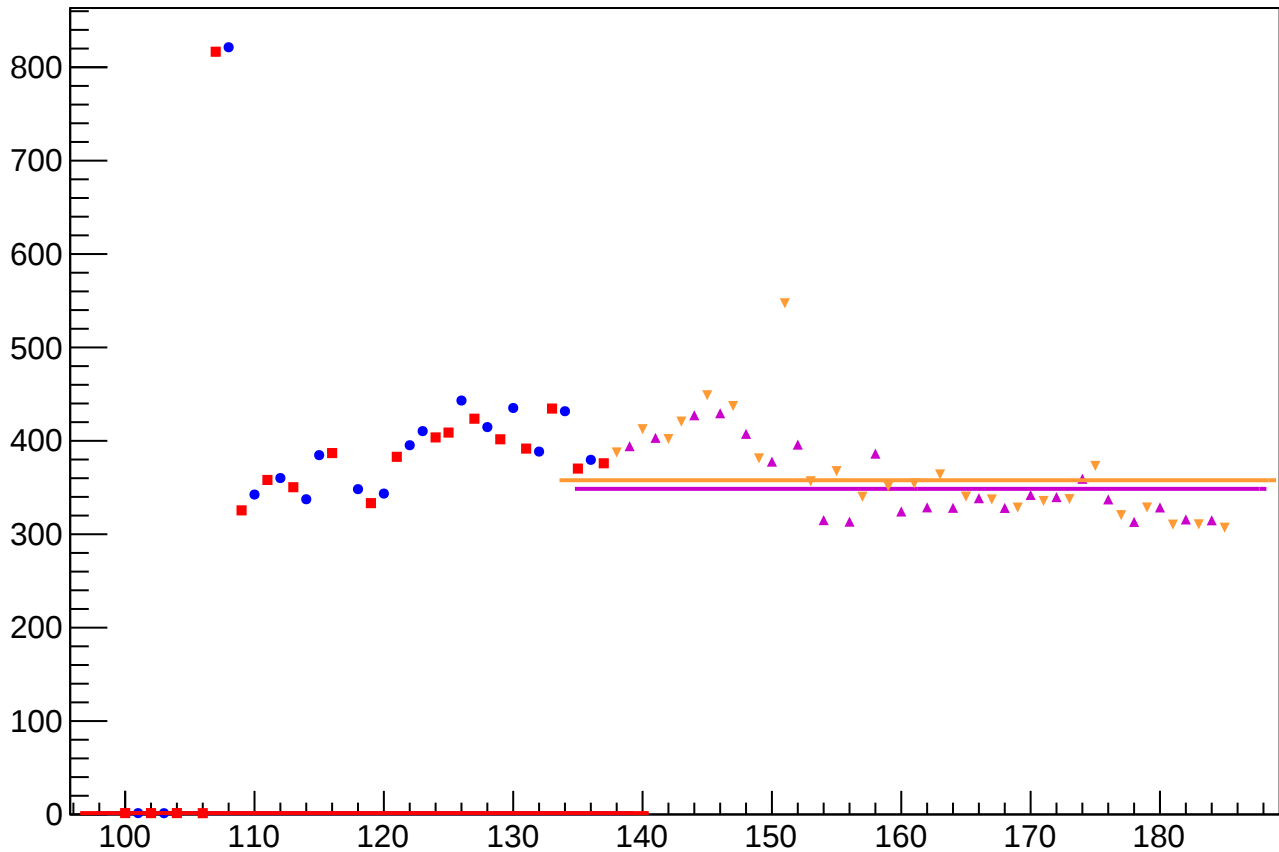
Right: 0.641±1.186 χ^2/NDF : 19.8/35

In: -0.126±1.736 χ^2/NDF :23.7/39

Out: 1.289±1.622 χ^2/NDF :26.8/43

All: 0.629±1.185 χ^2/NDF : 50.9/83

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452+/-0.001 χ^2/NDF : 10771707.1/16

Left Out: 357.823+/-0.059 χ^2/NDF : 546761.9/24

Right Out: 1.451+/-0.001 χ^2/NDF : 10831648.9/18

Left In: 348.611+/-0.060 χ^2/NDF : 362511.2/22

Left: 353.233+/-0.042 χ^2/NDF : 921231.5/47

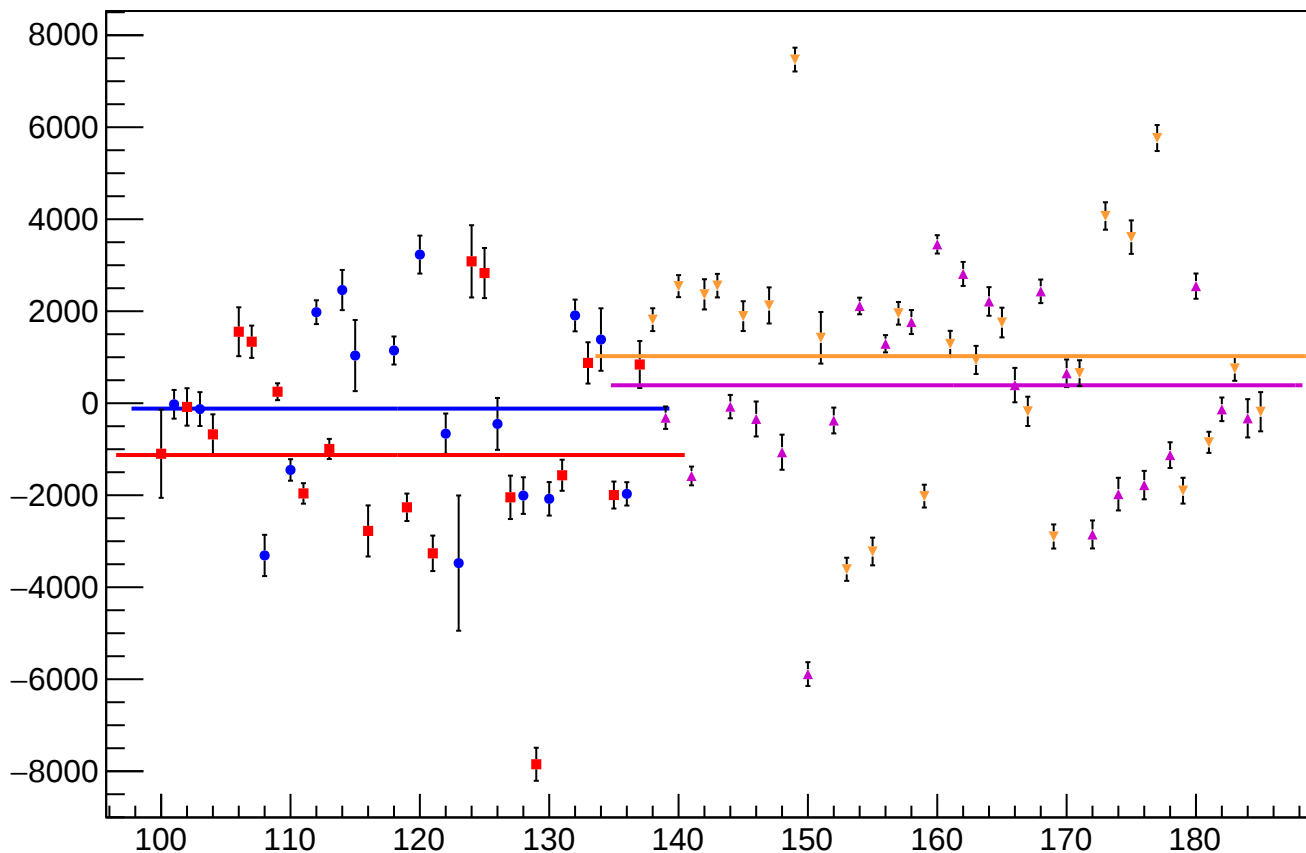
Right: 1.451+/-0.001 χ^2/NDF : 21603356.4/35

In: 1.599+/-0.001 χ^2/NDF : 44971836.0/39

Out: 1.584+/-0.001 χ^2/NDF : 47283152.0/43

All: 1.591+/-0.001 χ^2/NDF : 92255072.4/83

asym_bcm0l02_mean vs Slug, Sign Corrected



Left: 693.343 ± 39.669 χ^2/NDF : 3957.9/47

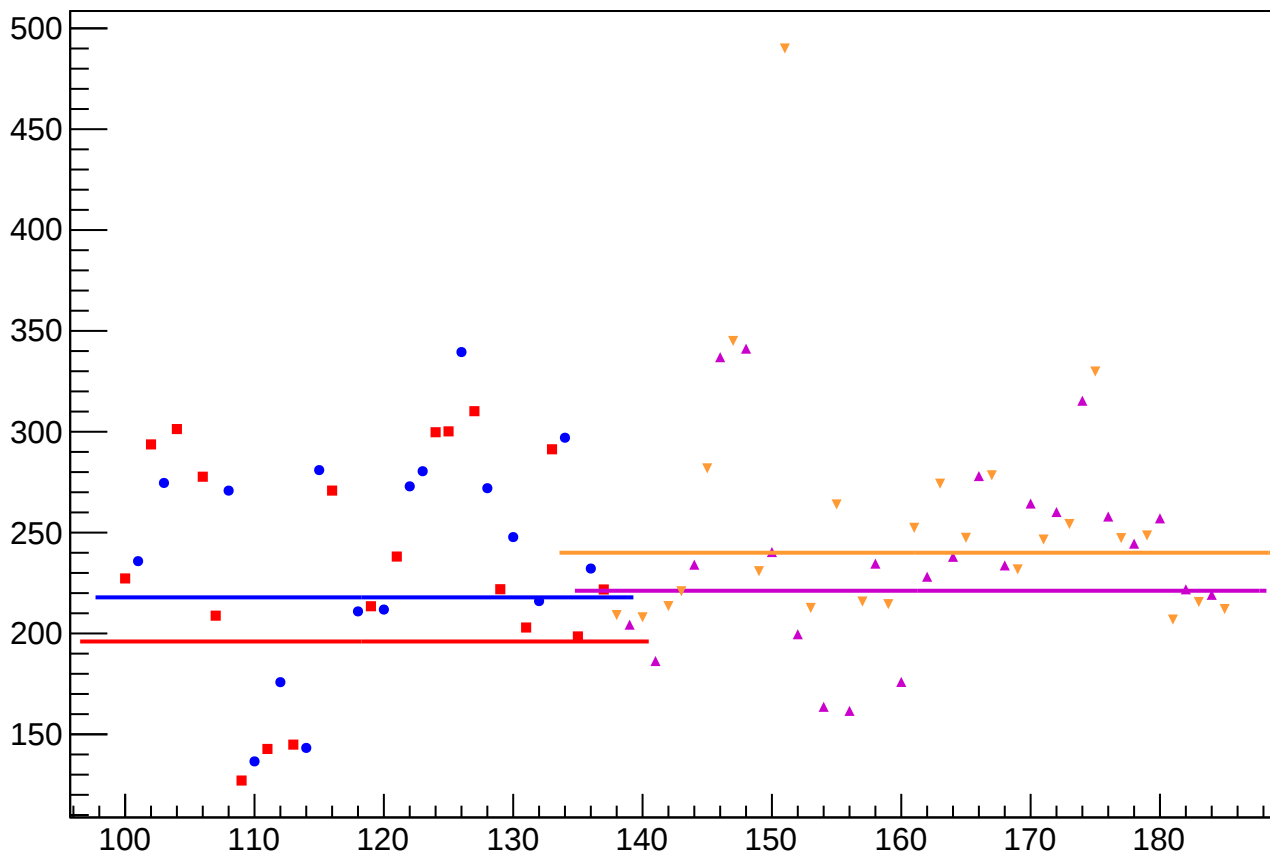
Right: -680.927 ± 58.658 χ^2/NDF : 1181.1/35

In: 248.801 ± 46.645 χ^2/NDF : 2029.1/39

Out: 275.129 ± 46.299 χ^2/NDF : 3486.4/43

All: 262.063 ± 32.860 χ^2/NDF : 5515.7/83

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.896+/-0.062 χ^2/NDF : 661999.5/16

Left Out: 240.030+/-0.041 χ^2/NDF :1002243.9/24

Right Out: 196.020+/-0.055 χ^2/NDF : 1189250.9/18

Left In: 221.173+/-0.039 χ^2/NDF :1342517.8/22

Left: 230.195+/-0.028 χ^2/NDF : 2457532.7/47

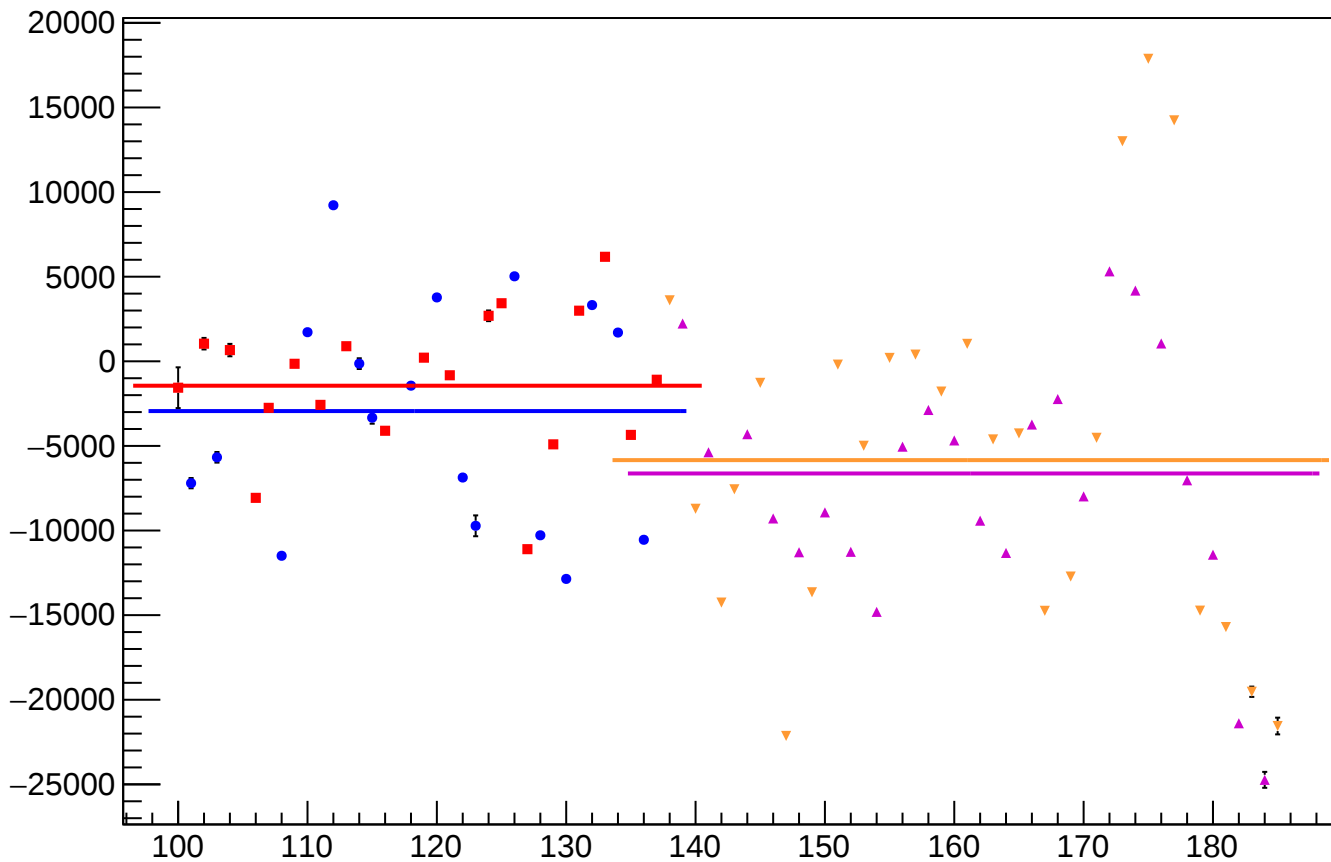
Right: 205.670+/-0.041 χ^2/NDF : 1919826.3/35

In: 220.259+/-0.033 χ^2/NDF :2006502.5/39

Out: 224.706+/-0.033 χ^2/NDF :2601612.2/43

All: 222.499+/-0.023 χ^2/NDF : 4617271.1/83

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2940.841 $\pm$ 48.696 χ^2 /NDF: 20909.3/16

Left Out: -5839.802 $\pm$ 35.850 χ^2 /NDF:63374.0/24

Right Out: -1442.426 $\pm$ 46.381 χ^2 /NDF: 8011.4/18

Left In: -6628.388 $\pm$ 37.160 χ^2 /NDF:21738.0/22

Left: -6219.944 $\pm$ 25.800 χ^2 /NDF: 85345.3/47

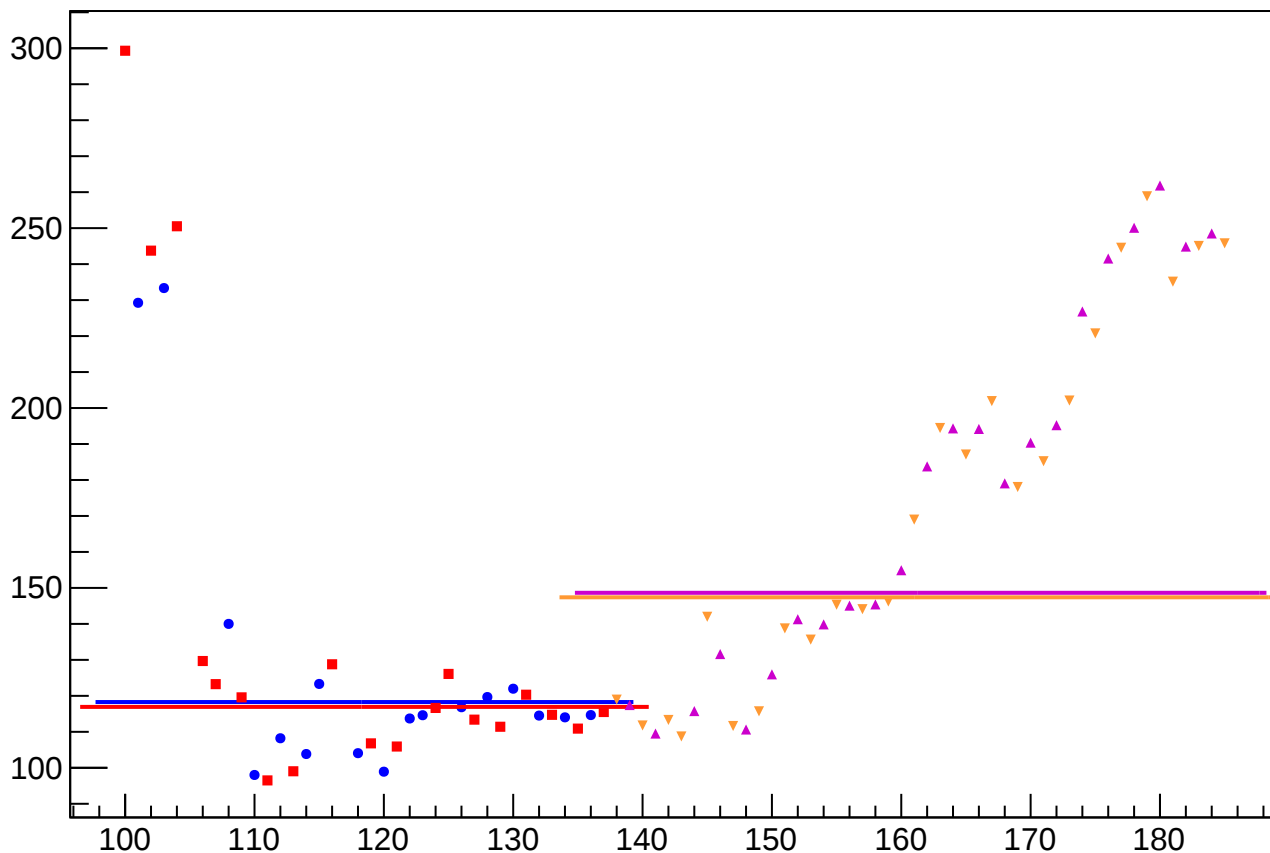
Right: -2155.167 $\pm$ 33.585 χ^2 /NDF: 29417.2/35

In: -5271.313 $\pm$ 29.541 χ^2 /NDF:46271.4/39

Out: -4195.218 $\pm$ 28.364 χ^2 /NDF:77012.5/43

All: -4711.402 $\pm$ 20.460 χ^2 /NDF: 123974.2/8

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.278+/-0.034 χ^2/NDF : 637027.4/16

Left Out: 147.387+/-0.025 χ^2/NDF :2515772.0/24

Right Out: 116.929+/-0.033 χ^2/NDF : 689591.4/18

Left In: 148.642+/-0.026 χ^2/NDF :2415531.9/22

Left: 147.992+/-0.018 χ^2/NDF : 4932486.3/47

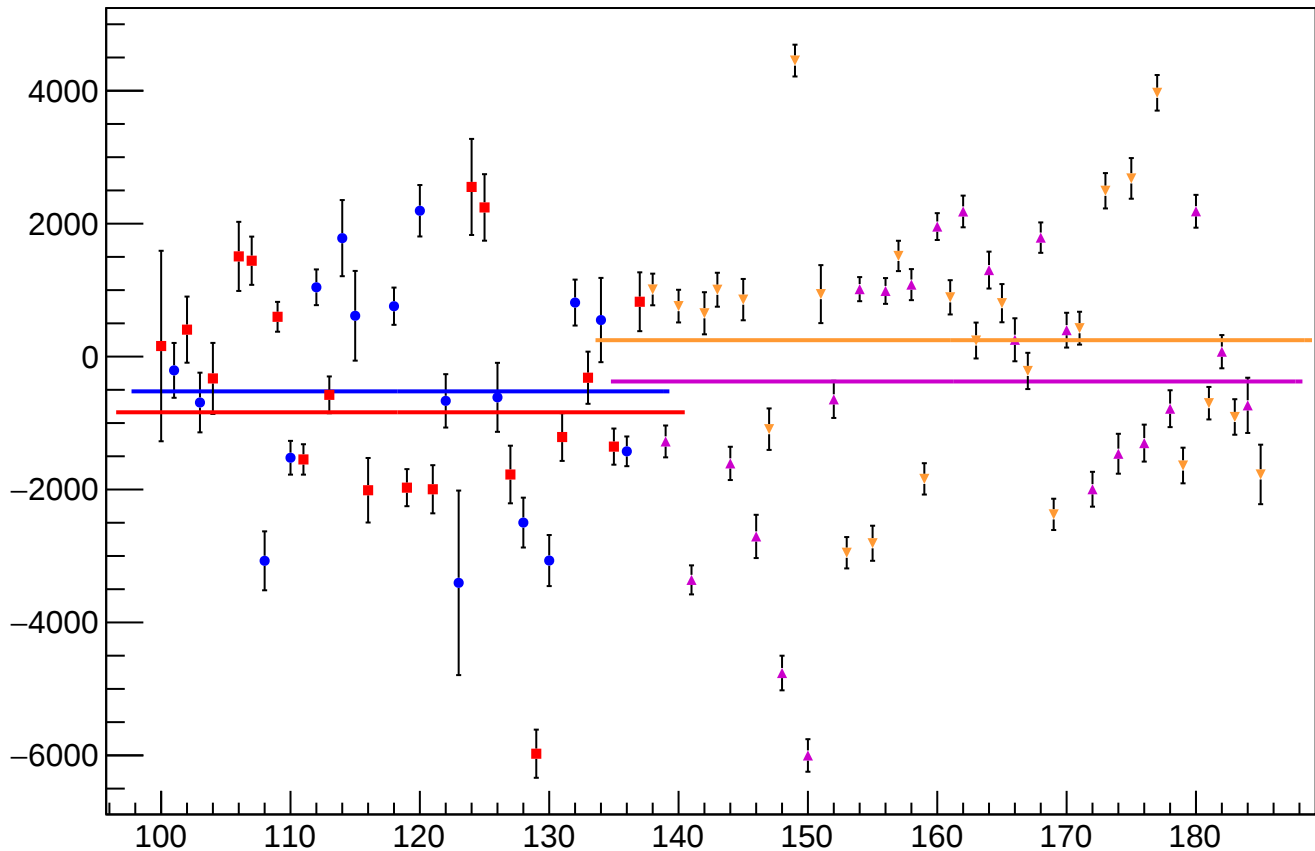
Right: 117.571+/-0.024 χ^2/NDF : 1327423.4/35

In: 137.468+/-0.021 χ^2/NDF :3543984.1/39

Out: 135.996+/-0.020 χ^2/NDF :3745257.2/43

All: 136.702+/-0.014 χ^2/NDF : 7291824.4/83

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -523.148+/-89.404 χ^2/NDF : 282.6/16

Left Out: 246.745+/-53.500 χ^2/NDF :1354.5/24

Right Out: -837.989+/-82.263 χ^2/NDF : 437.6/18

Left In: -374.465+/-51.892 χ^2/NDF :1798.3/22

Left: -73.335+/-37.249 χ^2/NDF : 3222.2/47

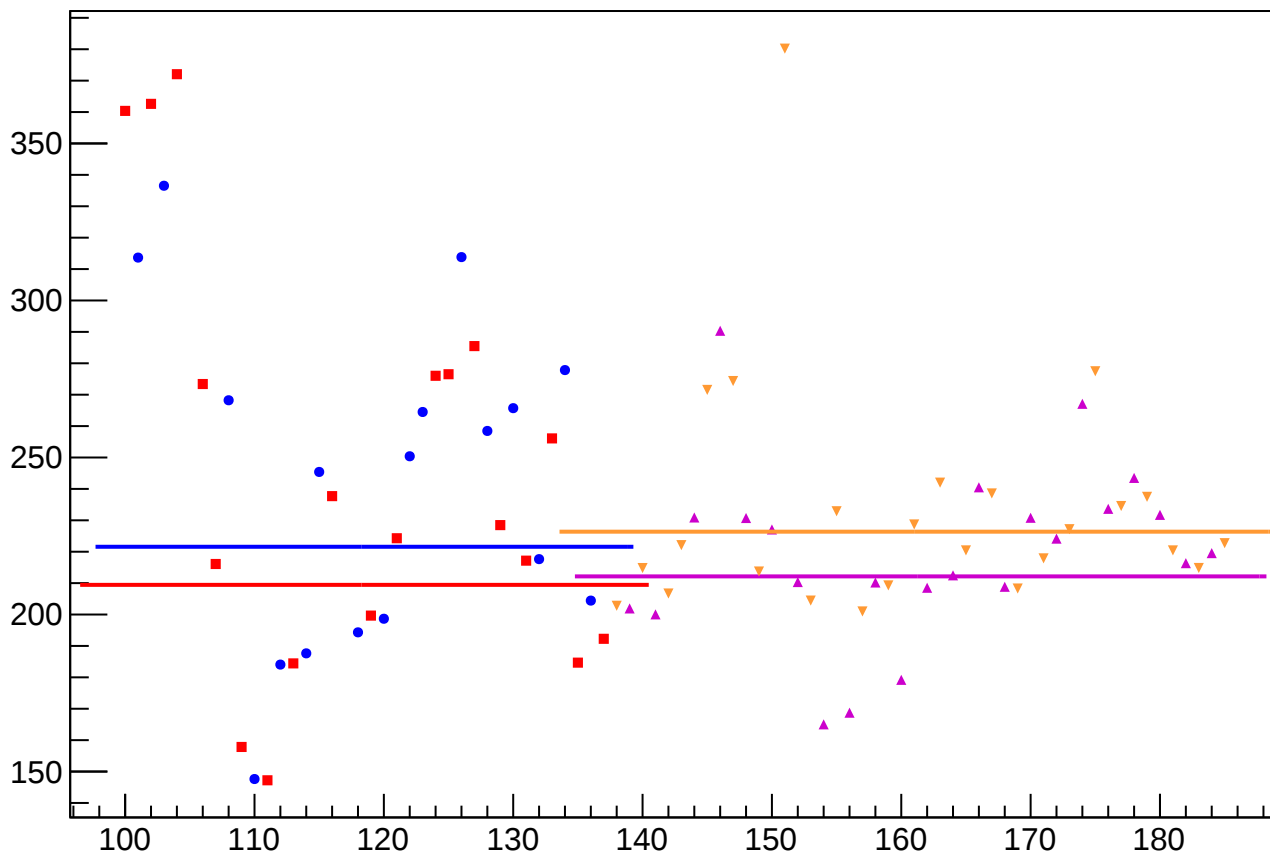
Right: -693.643+/-60.536 χ^2/NDF : 726.9/35

In: -411.933+/-44.880 χ^2/NDF :2082.9/39

Out: -75.684+/-44.850 χ^2/NDF :1914.3/43

All: -243.694+/-31.724 χ^2/NDF : 4025.3/83

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.577 $\pm$ 0.063 χ^2 /NDF: 645771.3/16

Left Out: 226.383 $\pm$ 0.038 χ^2 /NDF: 521686.5/24

Right Out: 209.447 $\pm$ 0.058 χ^2 /NDF: 879299.7/18

Left In: 212.145 $\pm$ 0.037 χ^2 /NDF: 591698.6/22

Left: 219.047 $\pm$ 0.026 χ^2 /NDF: 1186367.0/47

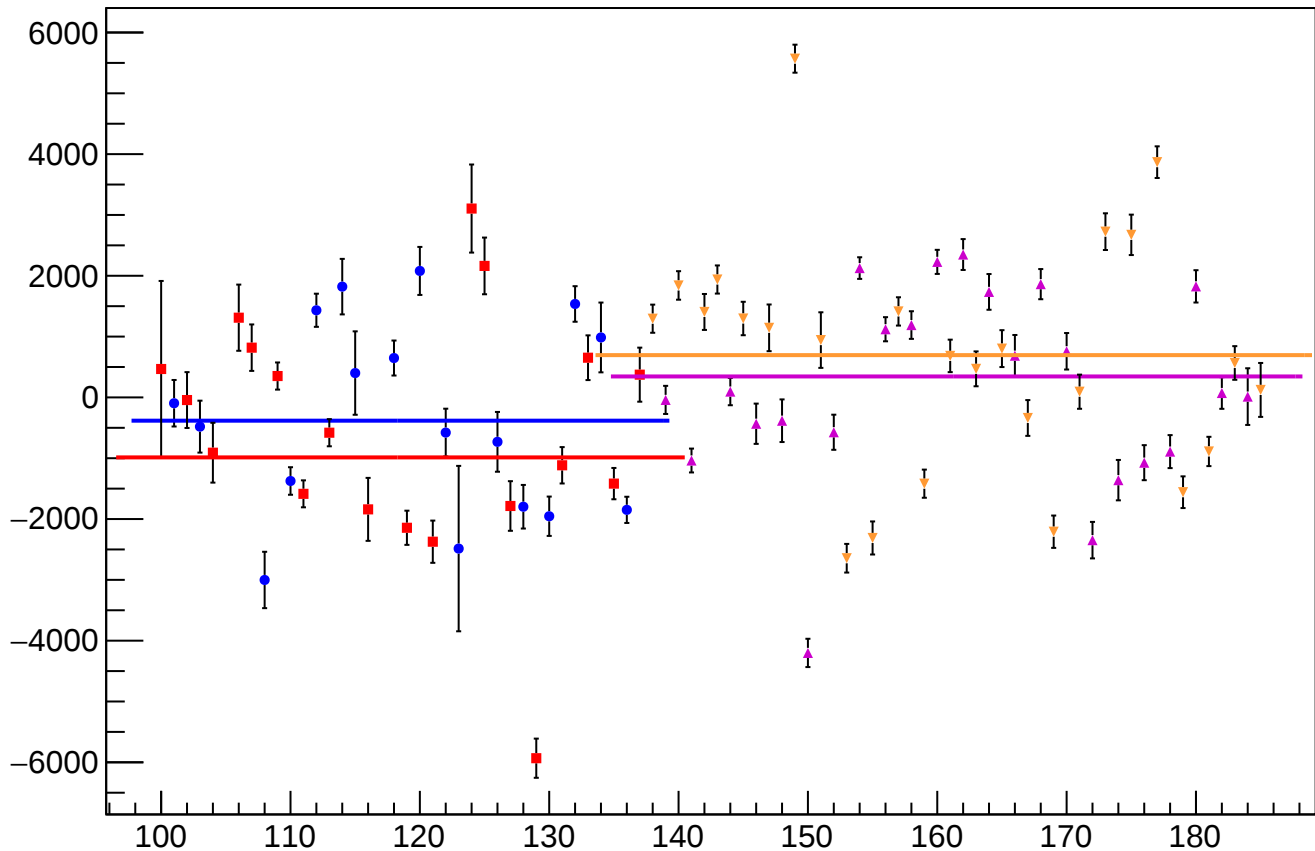
Right: 215.008 $\pm$ 0.043 χ^2 /NDF: 1545008.7/35

In: 214.522 $\pm$ 0.032 χ^2 /NDF: 1254121.6/39

Out: 221.349 $\pm$ 0.032 χ^2 /NDF: 1460556.1/43

All: 217.938 $\pm$ 0.022 χ^2 /NDF: 2737831.2/83

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -382.695±/84.465 χ^2/NDF : 309.9/16

Left Out: 695.092±/54.254 χ^2/NDF :1422.0/24

Right Out: -986.495±/77.694 χ^2/NDF : 476.9/18

Left In: 344.578±/52.954 χ^2/NDF :985.0/22

Left: 515.585±/37.896 χ^2/NDF : 2428.4/47

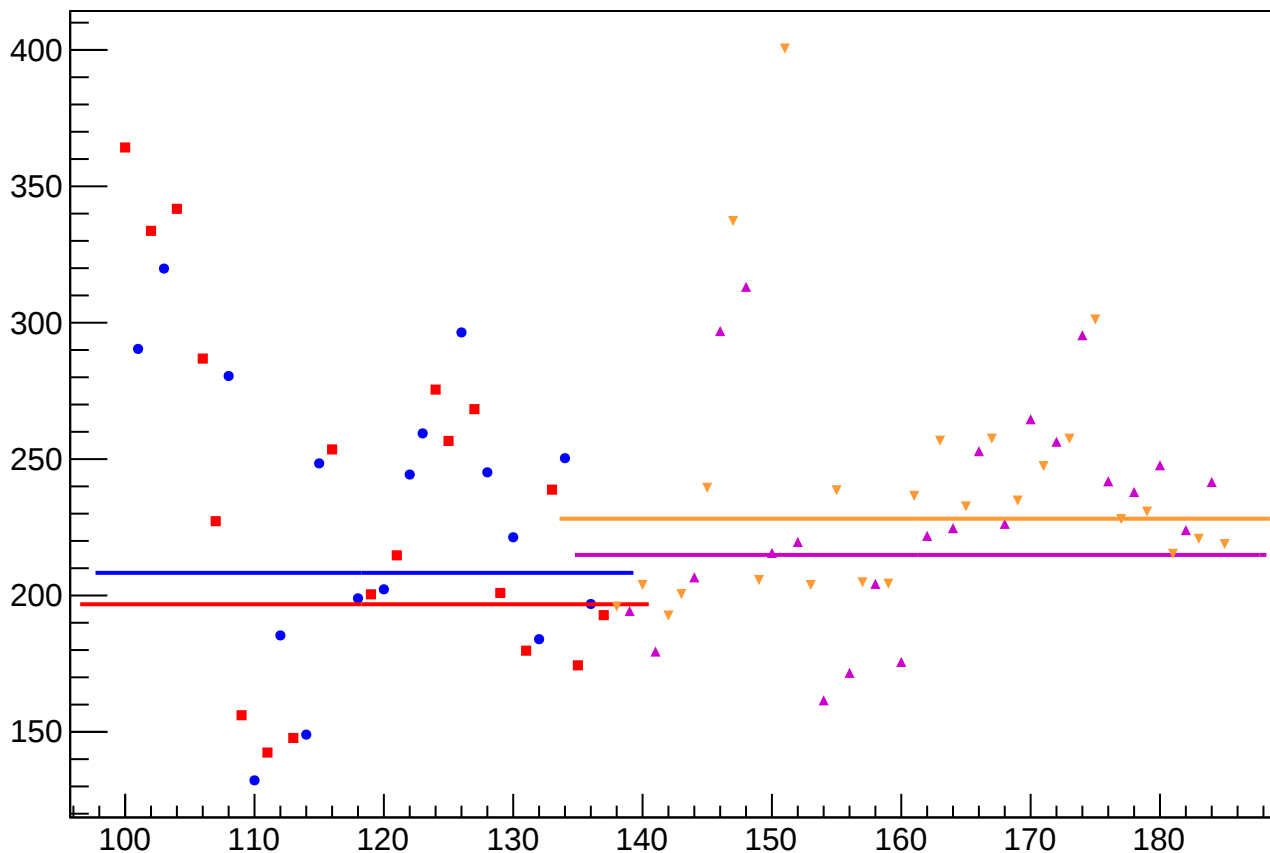
Right: -709.764±/57.182 χ^2/NDF : 814.5/35

In: 139.380±/44.866 χ^2/NDF :1348.1/39

Out: 143.886±/44.482 χ^2/NDF :2213.8/43

All: 141.652±/31.588 χ^2/NDF : 3562.0/83

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.304 $\pm$ 0.060 χ^2 /NDF: 698771.8/16

Left Out: 228.147 $\pm$ 0.038 χ^2 /NDF: 828380.9/24

Right Out: 196.782 $\pm$ 0.055 χ^2 /NDF: 925153.1/18

Left In: 214.878 $\pm$ 0.037 χ^2 /NDF: 1037509.6/22

Left: 221.352 $\pm$ 0.027 χ^2 /NDF: 1927150.7/47

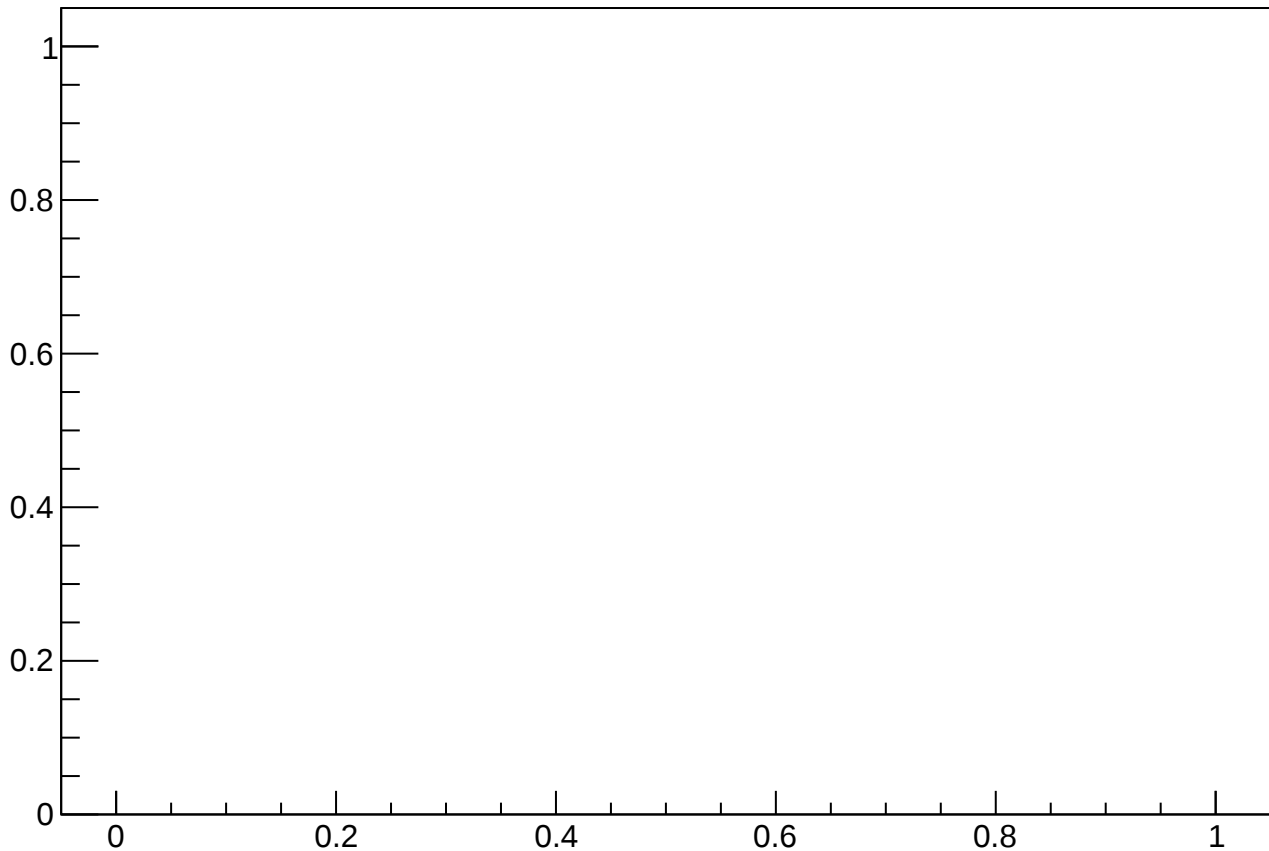
Right: 202.062 $\pm$ 0.040 χ^2 /NDF: 1644084.4/35

In: 213.023 $\pm$ 0.032 χ^2 /NDF: 1744979.5/39

Out: 217.866 $\pm$ 0.031 χ^2 /NDF: 1972636.3/43

All: 215.465 $\pm$ 0.022 χ^2 /NDF: 3729364.4/83

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

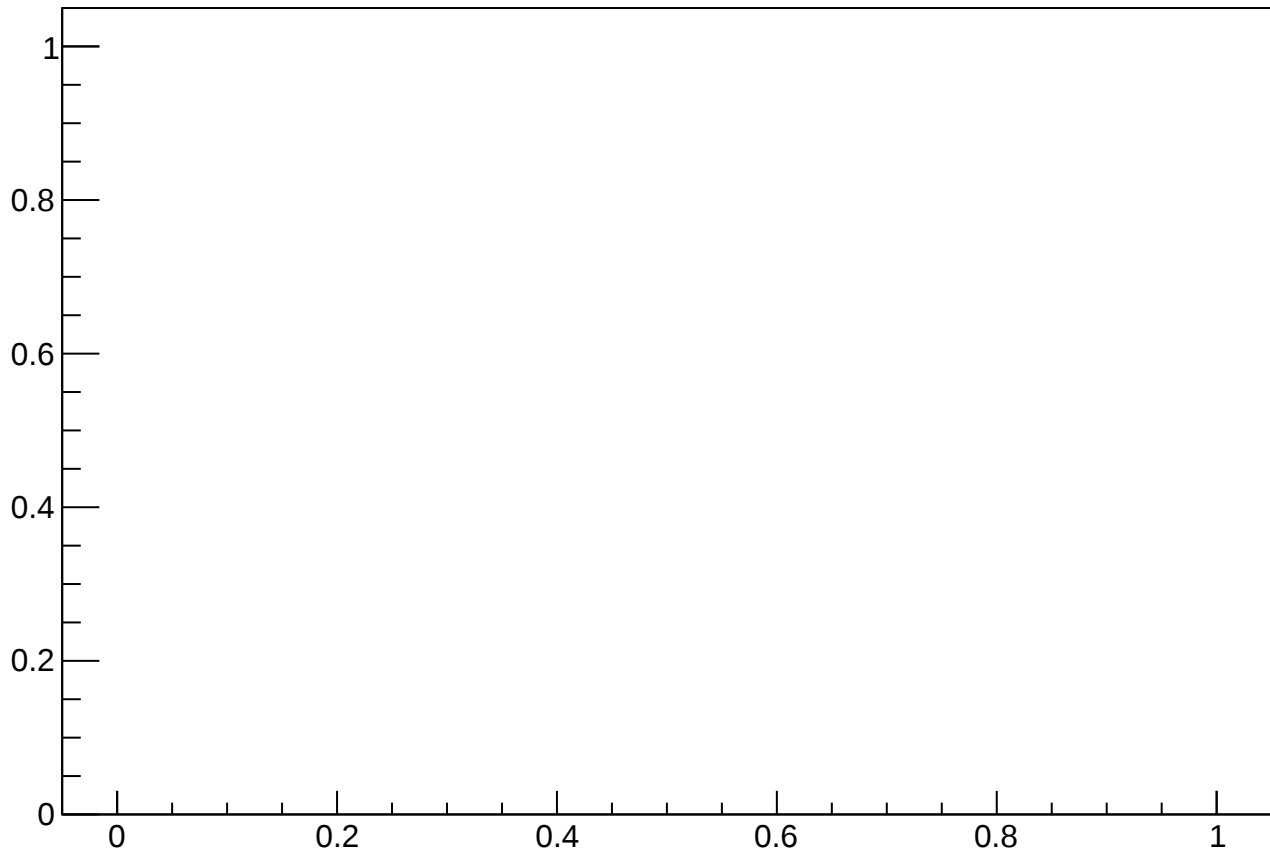
bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

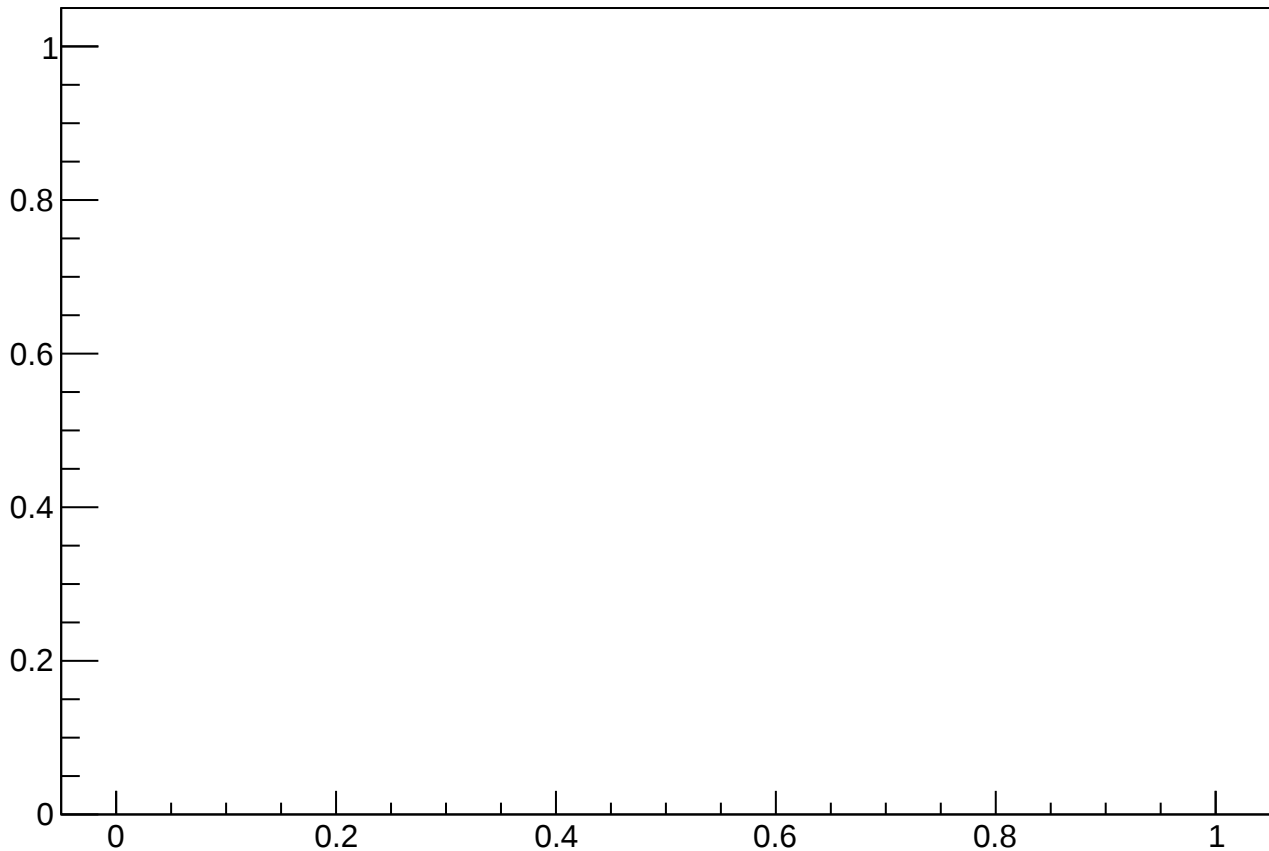
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

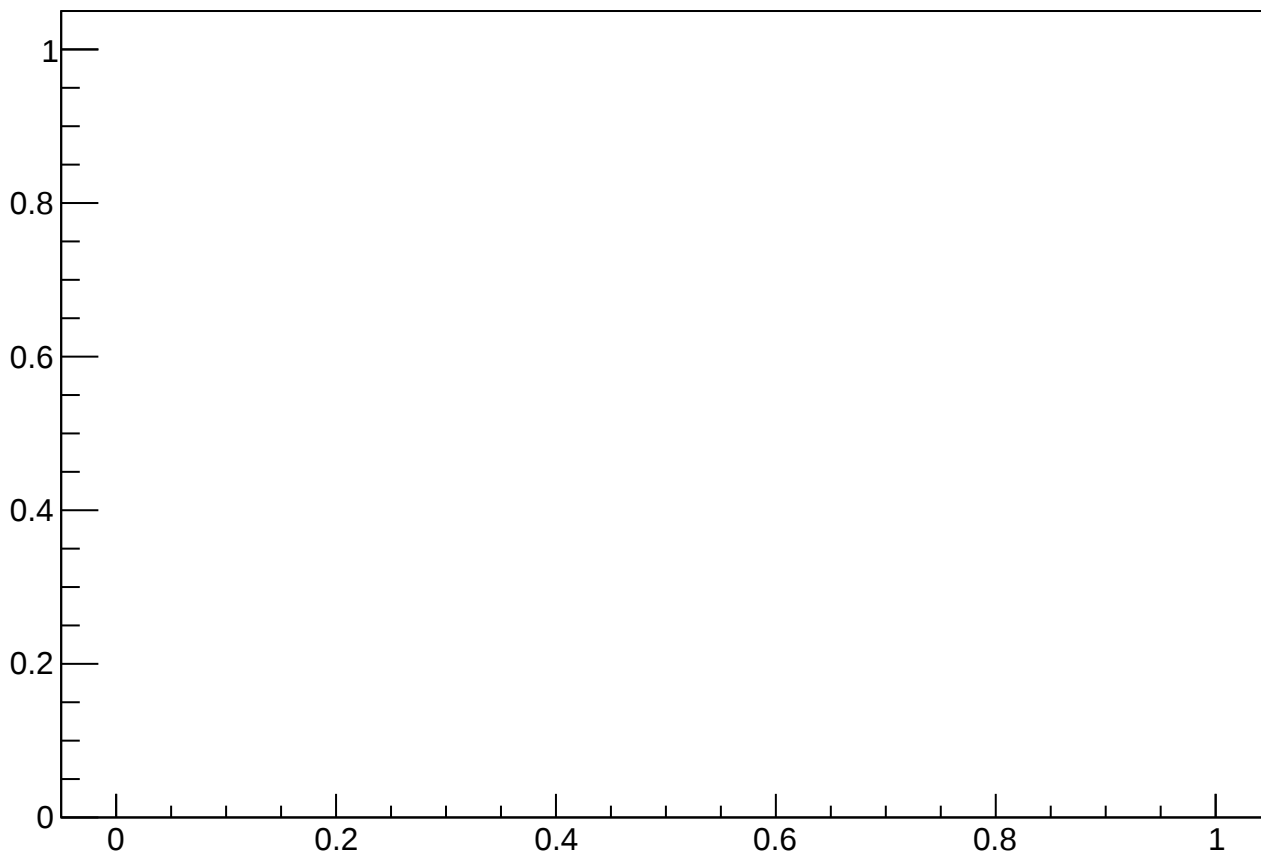
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

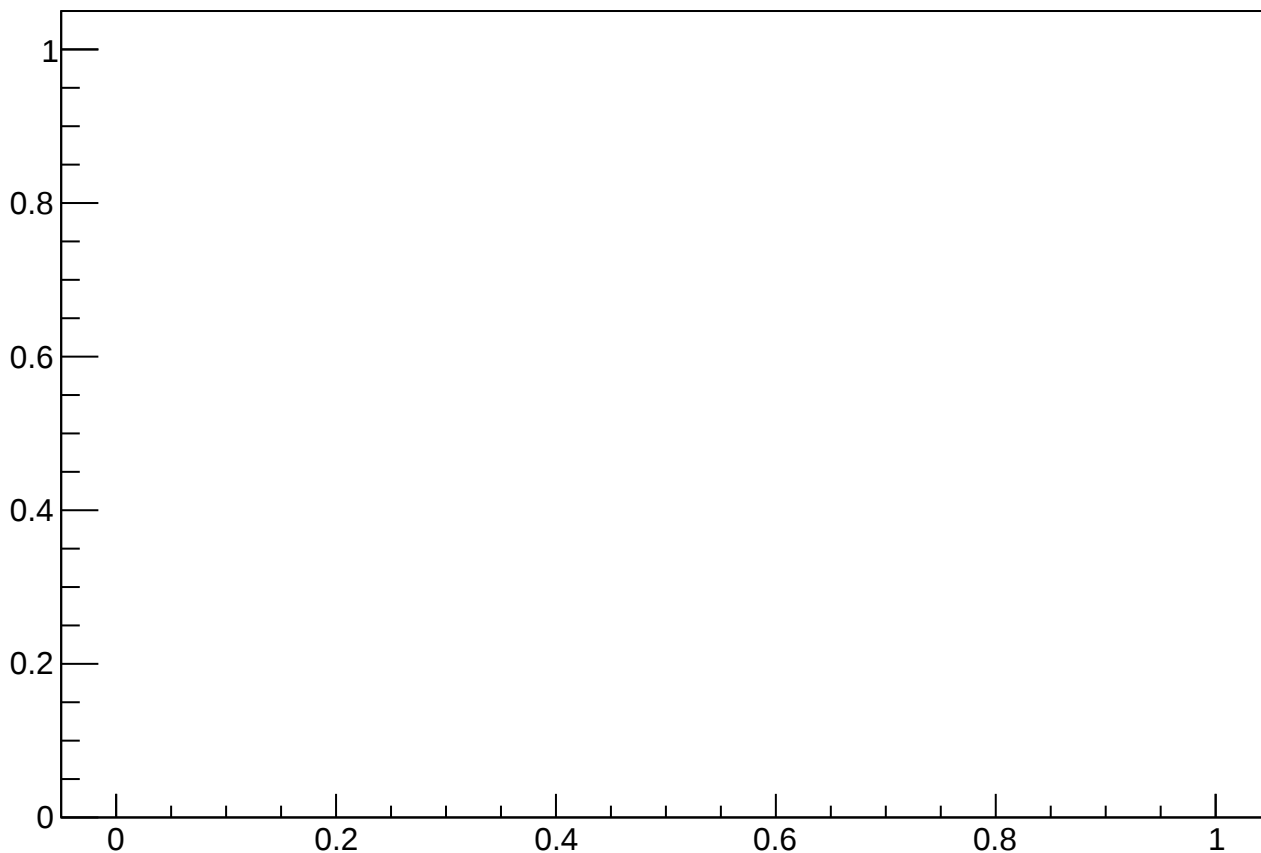
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

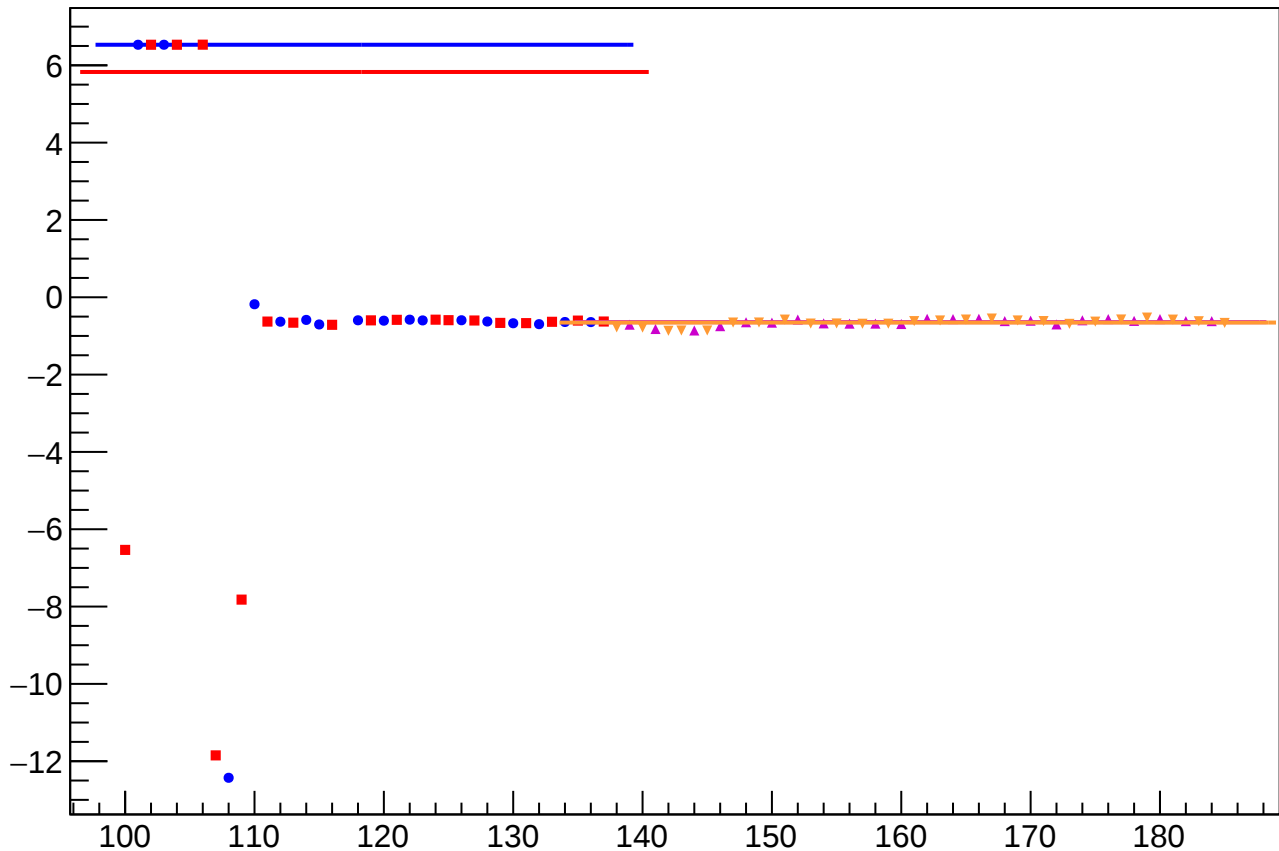
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127601781164.3/16

Left Out: -0.654+/-0.000 χ^2/NDF : 179063473.8/24

Right Out: 5.827+/-0.000 χ^2/NDF : 755961890470183.5/18

Left In: -0.643+/-0.000 χ^2/NDF : 123743747.1/22

Left: -0.649+/-0.000 χ^2/NDF : 303795900.2/47

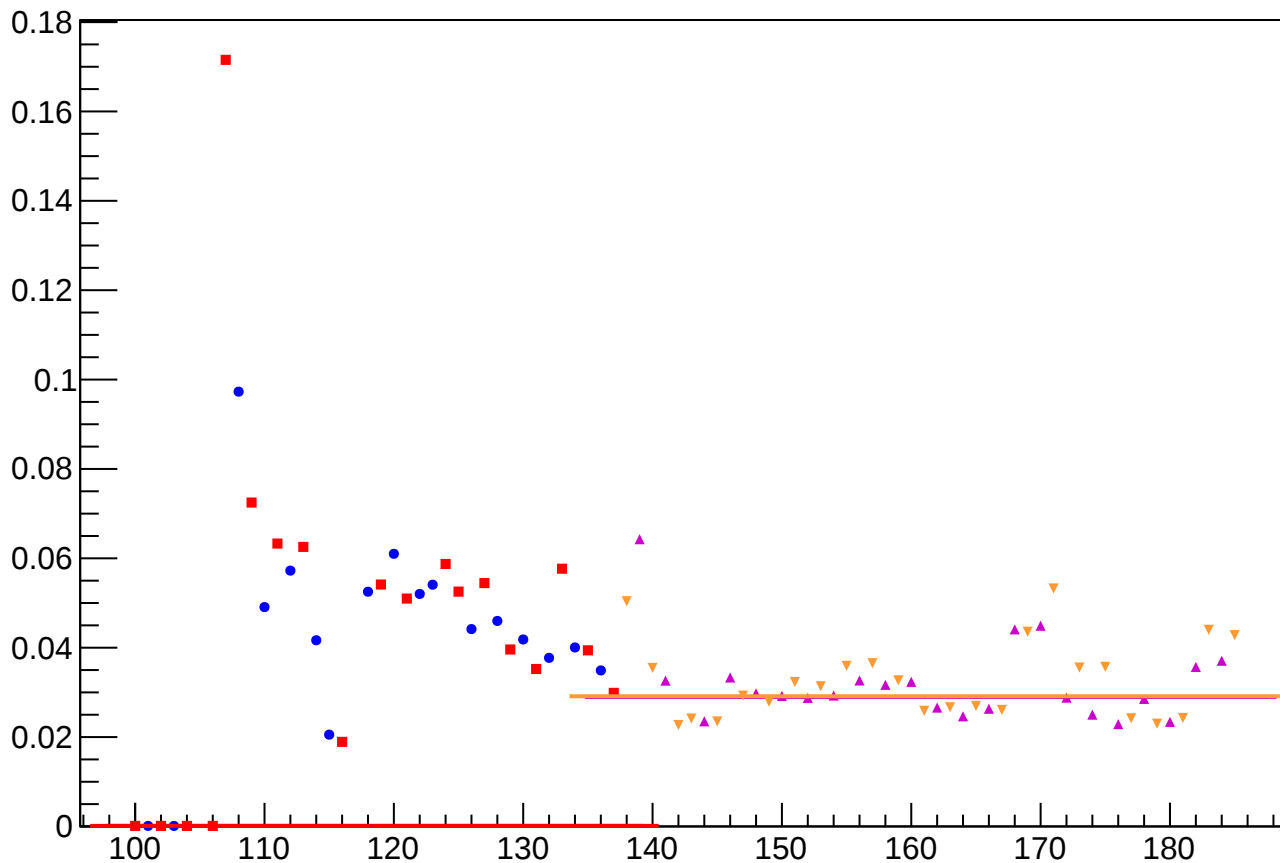
Right: 6.155+/-0.000 χ^2/NDF : 776093455060698.6/180

In: 6.530+/-0.000 χ^2/NDF : 961720392446.2/39

Out: 5.826+/-0.000 χ^2/NDF : 756672788522538.8/40

All: 6.153+/-0.000 χ^2/NDF : 77762675572368.6/180

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8848188.8/16

Left Out: 0.029+/-0.000 χ^2/NDF :1483700.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9323542.7/18

Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

Left: 0.029+/-0.000 χ^2/NDF : 2690601.3/47

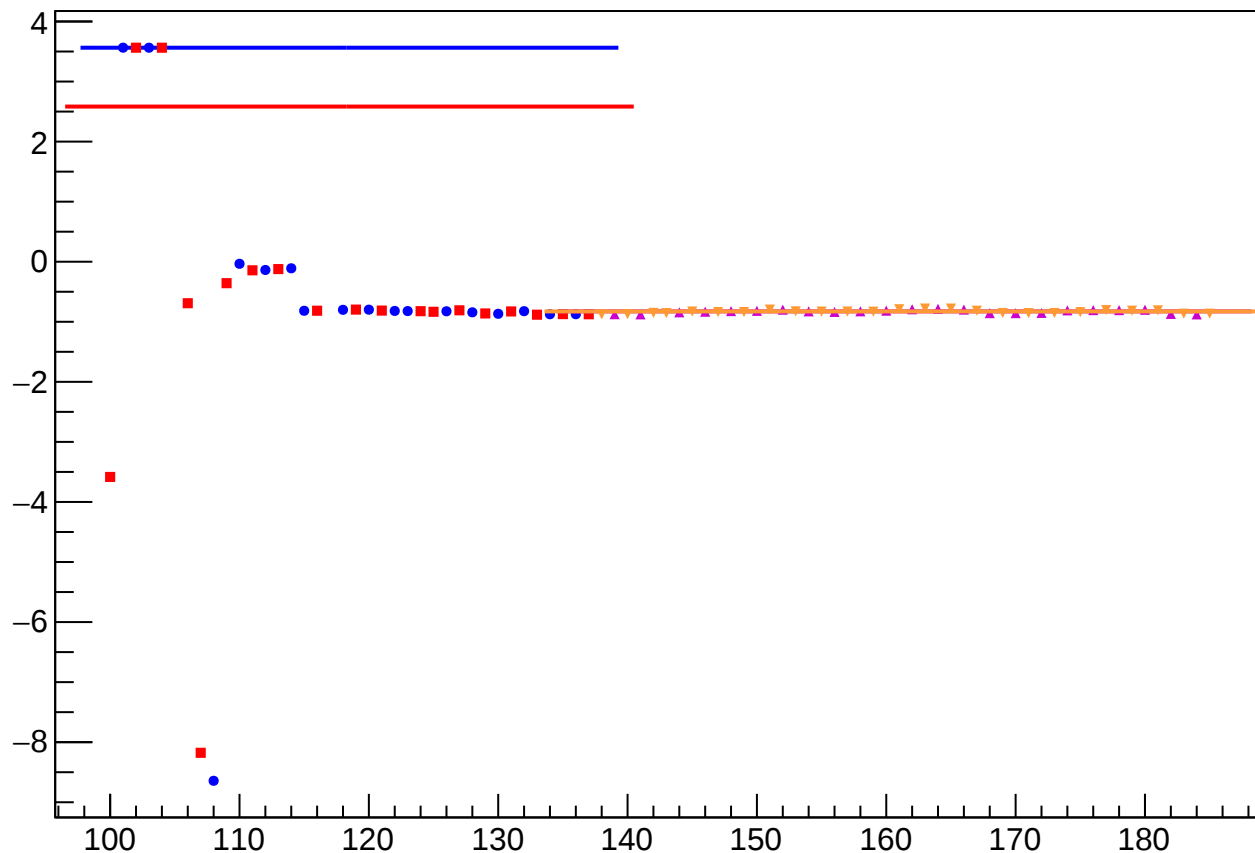
Right: 0.000+/-0.000 χ^2/NDF : 18171979.8/35

In: 0.000+/-0.000 χ^2/NDF :37026014.3/39

Out: 0.000+/-0.000 χ^2/NDF :39282497.7/43

All: 0.000+/-0.000 χ^2/NDF : 76308938.9/83

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 480140963917.5/16

Left Out: -0.827+/-0.000 χ^2/NDF : 169682238.6/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253501370113259.5/18

Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

Left: -0.827+/-0.000 χ^2/NDF : 343861709.2/47

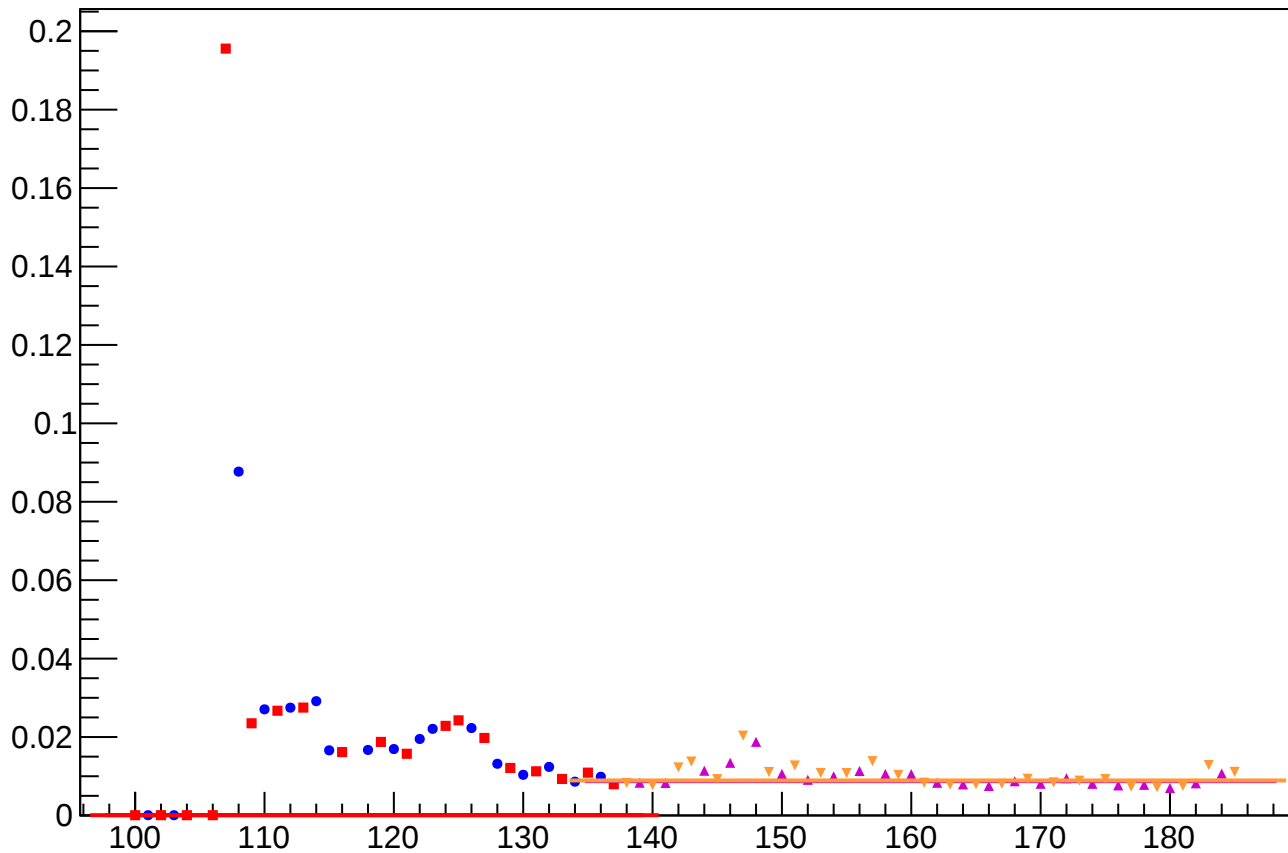
Right: 3.040+/-0.000 χ^2/NDF : 1382252614228541.1

In: 3.560+/-0.000 χ^2/NDF : 4160703297842.5/39

Out: 2.581+/-0.000 χ^2/NDF : 1255730498878882.2

All: 3.038+/-0.000 χ^2/NDF : 1387974905803

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9686061.1/16

Left Out: 0.009+/-0.000 χ^2/NDF :1467137.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 9818933.2/18

Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

Left: 0.009+/-0.000 χ^2/NDF : 2515371.3/47

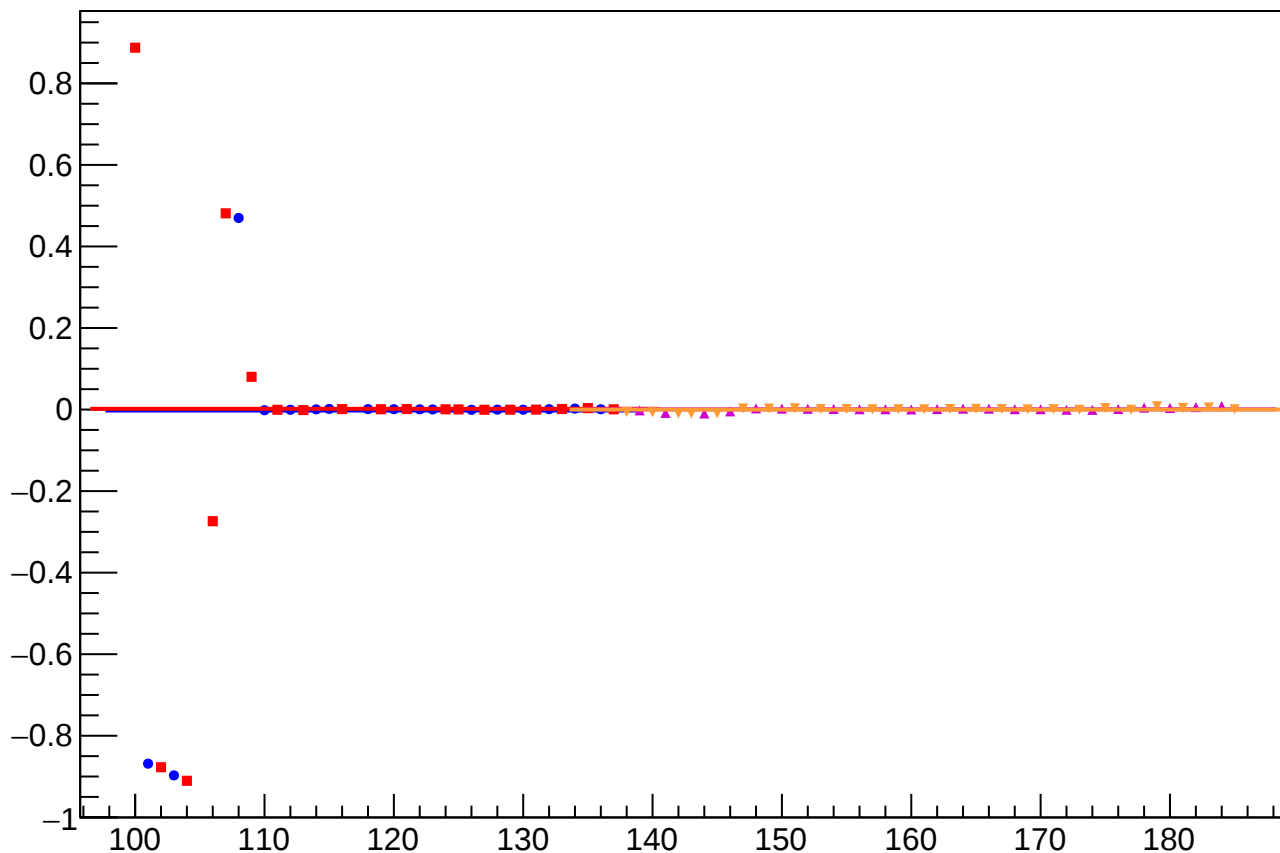
Right: 0.000+/-0.000 χ^2/NDF : 19505268.5/35

In: 0.000+/-0.000 χ^2/NDF :39483302.7/39

Out: 0.000+/-0.000 χ^2/NDF :41343212.5/43

All: 0.000+/-0.000 χ^2/NDF : 80827296.8/83

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000

χ^2/NDF : 9794882359.1/16

Left: 0.000+/-0.000 χ^2/NDF : 254442416.8/47

Left Out: -0.000+/-0.000

χ^2/NDF : 151507626.0/24

Right: -0.000+/-0.000 χ^2/NDF : 12850347199.6/35

Right Out: 0.002+/-0.000

χ^2/NDF : 3041319636.1/18

In: -0.000+/-0.000 χ^2/NDF : 9907798796.5/39

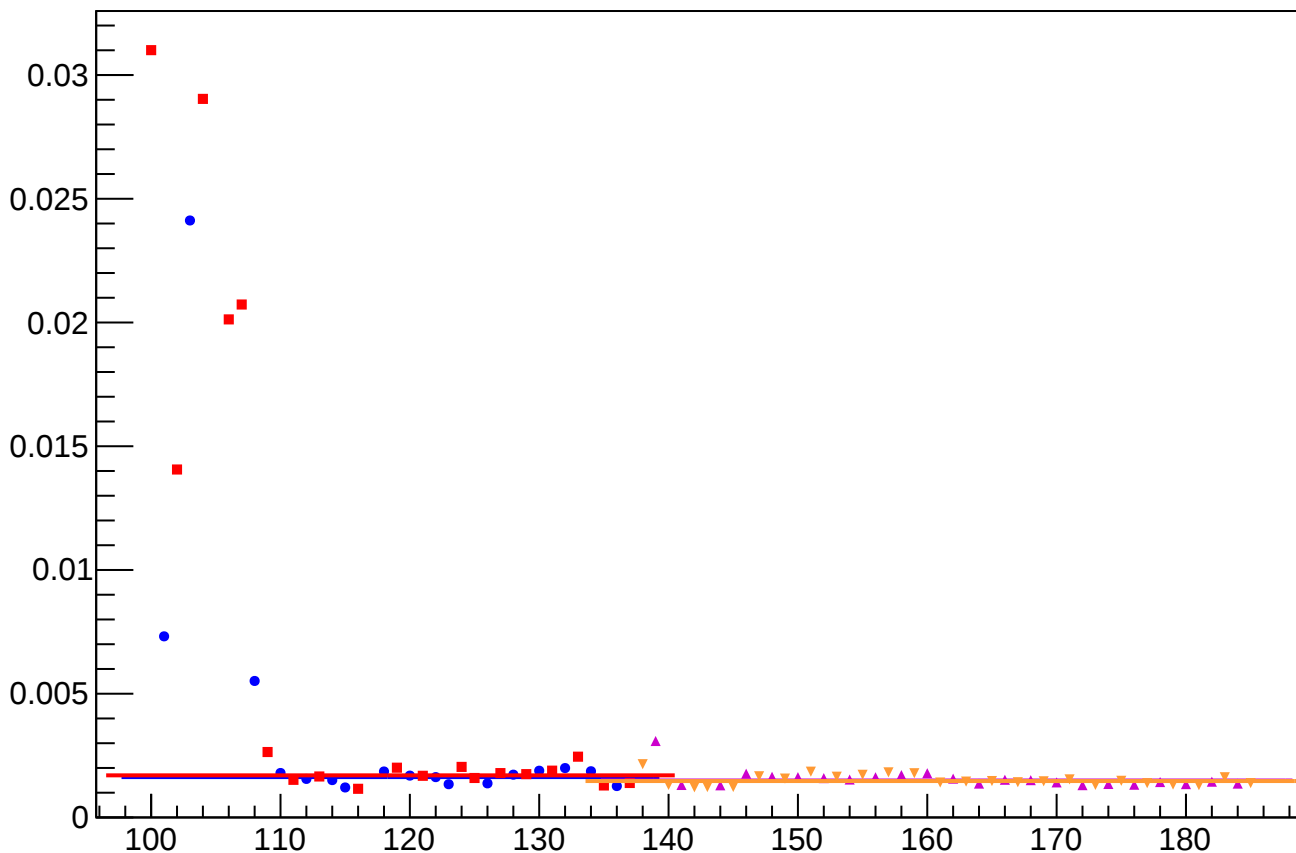
Out: 0.000+/-0.000 χ^2/NDF : 3197503201.6/43

Left In: 0.001+/-0.000

χ^2/NDF : 101468517.6/22

All: 0.000+/-0.000 χ^2/NDF : 13105671383.6/8

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1921590.0/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF: 538622.2/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023068.5/18

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 659543.3/22

Left: 0.001 $\pm$ 0.000 χ^2 /NDF: 1201302.4/47

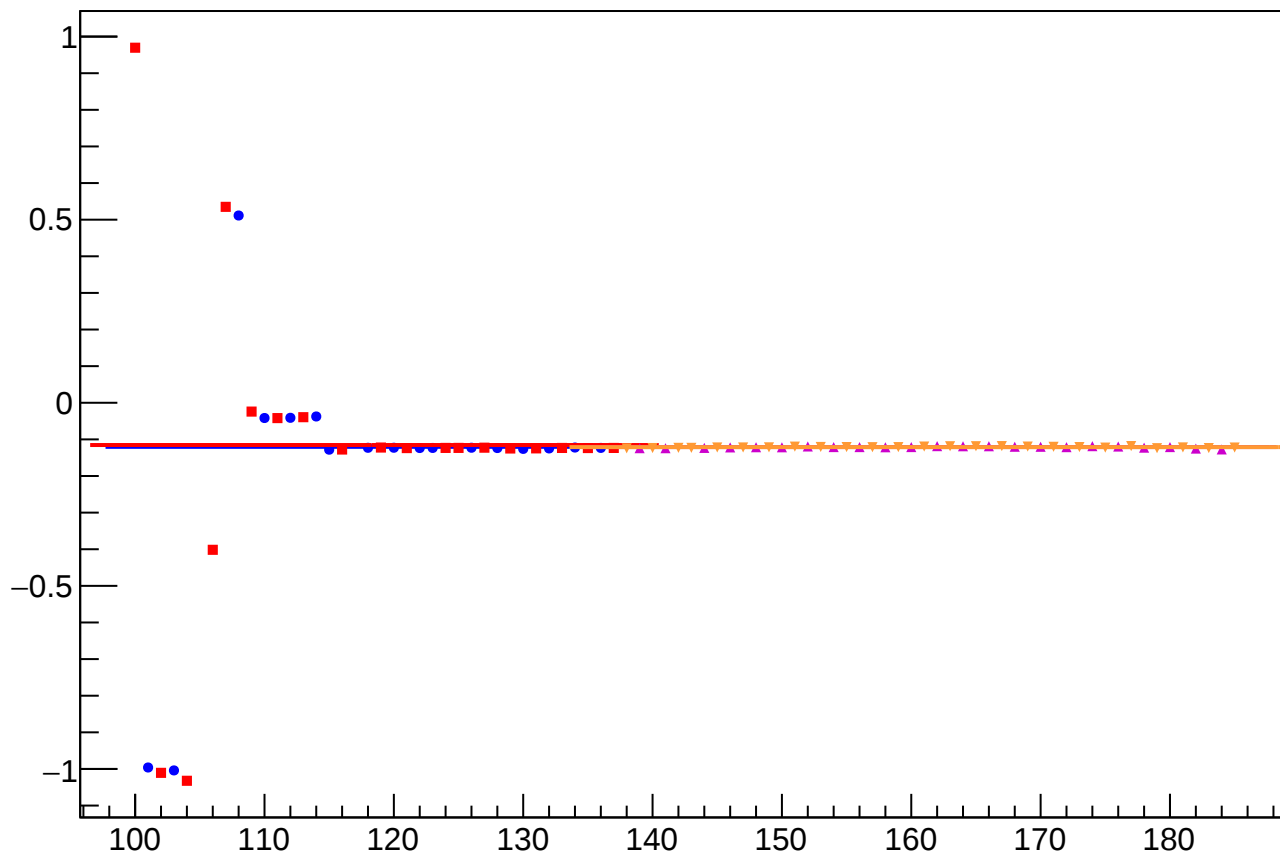
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 4952487.9/35

In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2632122.3/39

Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3694733.0/43

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6327504.5/83

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932599788.9/16

Left Out: -0.121+/-0.000 χ^2/NDF : 58166588.8/24

Right Out: -0.115+/-0.000 χ^2/NDF : 2456183694.8/18

Left In: -0.121+/-0.000 χ^2/NDF : 53134323.3/22

Left: -0.121+/-0.000 χ^2/NDF : 111535920.1/47

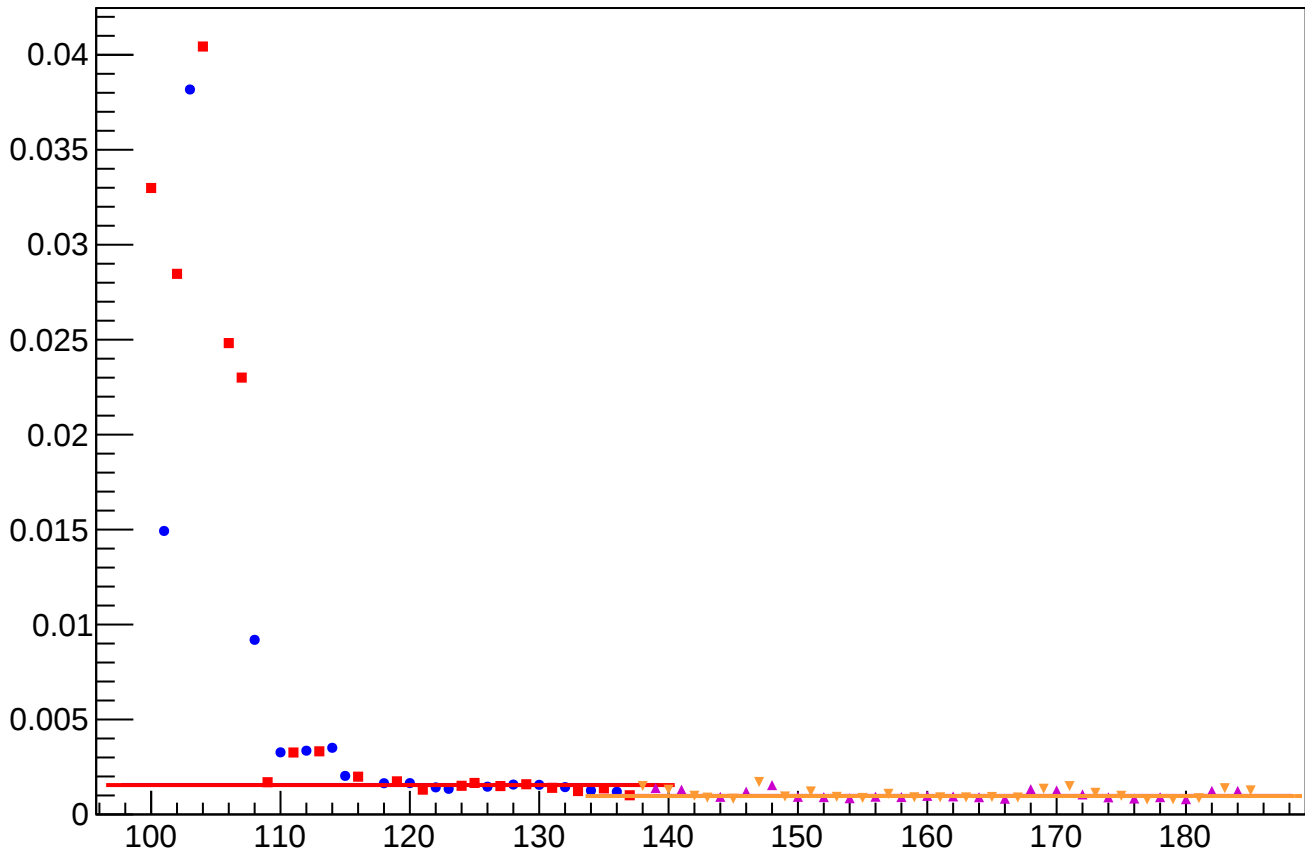
Right: -0.118+/-0.000 χ^2/NDF : 6411583198.4/35

In: -0.121+/-0.000 χ^2/NDF : 3986347616.1/39

Out: -0.121+/-0.000 χ^2/NDF : 2569642849.9/43

All: -0.121+/-0.000 χ^2/NDF : 6556960041.7/8

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2897244.2/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1369589.9/24

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3536477.8/18

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:972588.0/22

Left: 0.001 $\pm$ 0.000 χ^2 /NDF: 2343196.9/47

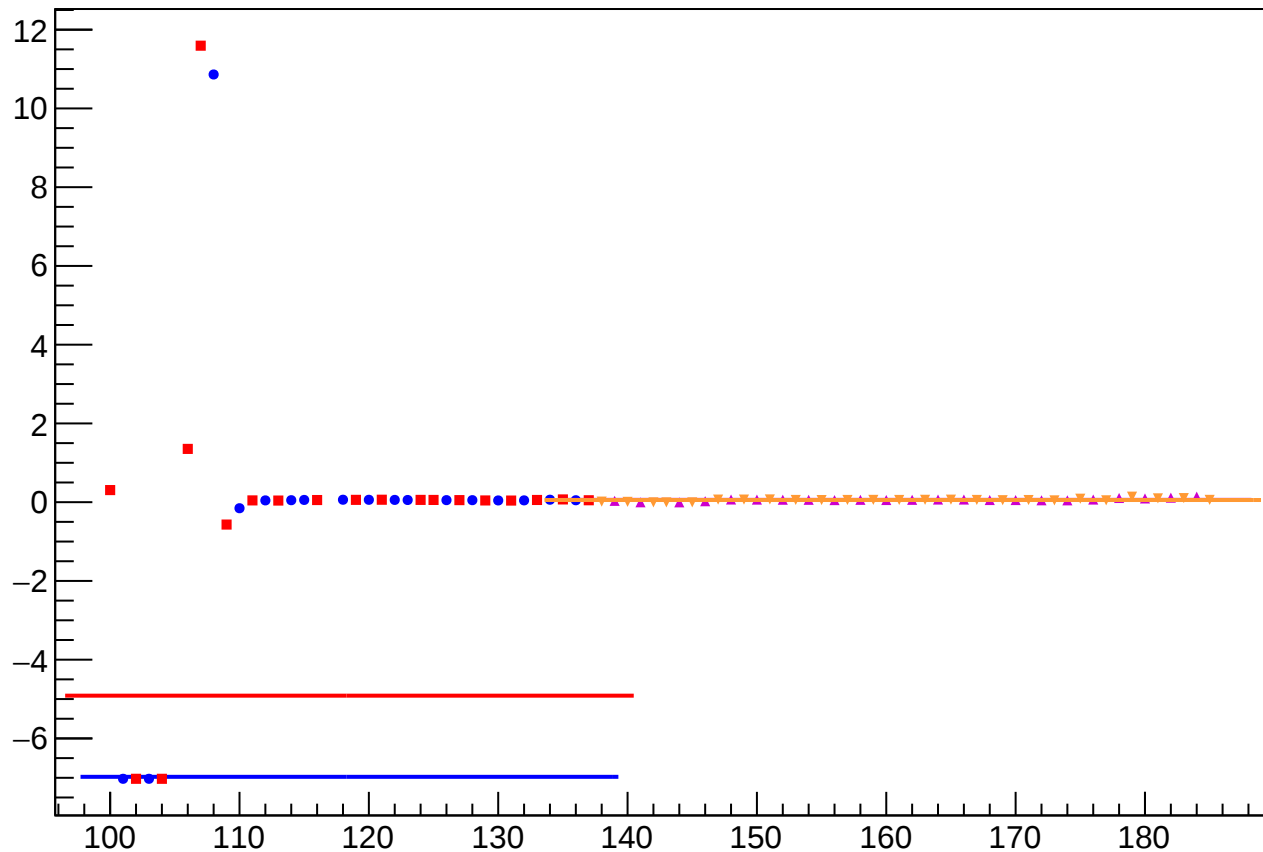
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 6433775.1/35

In: 0.001 $\pm$ 0.000 χ^2 /NDF:4987414.7/39

Out: 0.001 $\pm$ 0.000 χ^2 /NDF:6046584.3/43

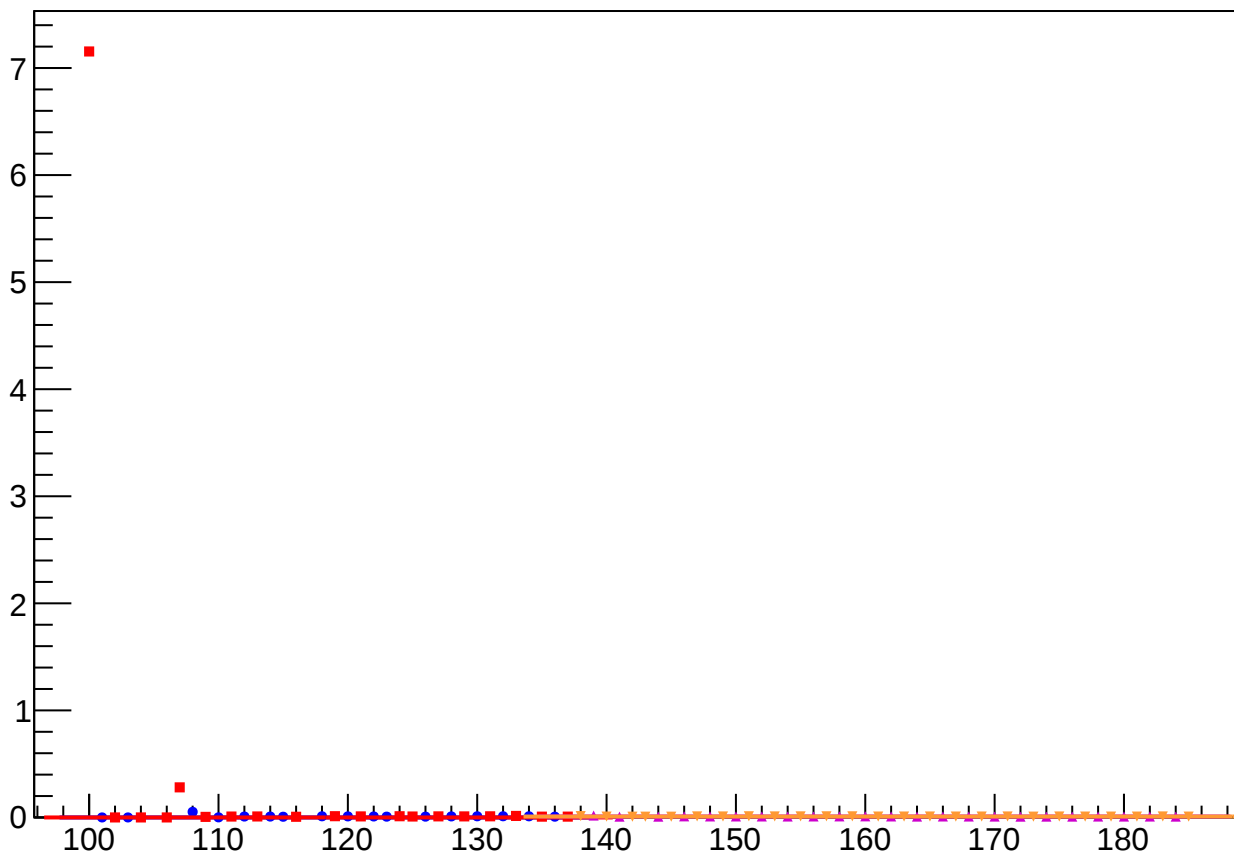
All: 0.001 $\pm$ 0.000 χ^2 /NDF: 11036080.2/83

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8762449111165.9/16$
 Left Out: 0.055 ± 0.000 $\chi^2/\text{NDF}: 243609509.3/24$
 Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365348533697497.2/18$
 Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 178713649.9/22$
 All: -5.858 ± 0.000 $\chi^2/\text{NDF}: 4435802358955$

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 8227727.7/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 513418.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 8749291.1/18

Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 636557.9/22

Left: 0.009 $\pm$ 0.000 χ^2/NDF : 1154502.0/47

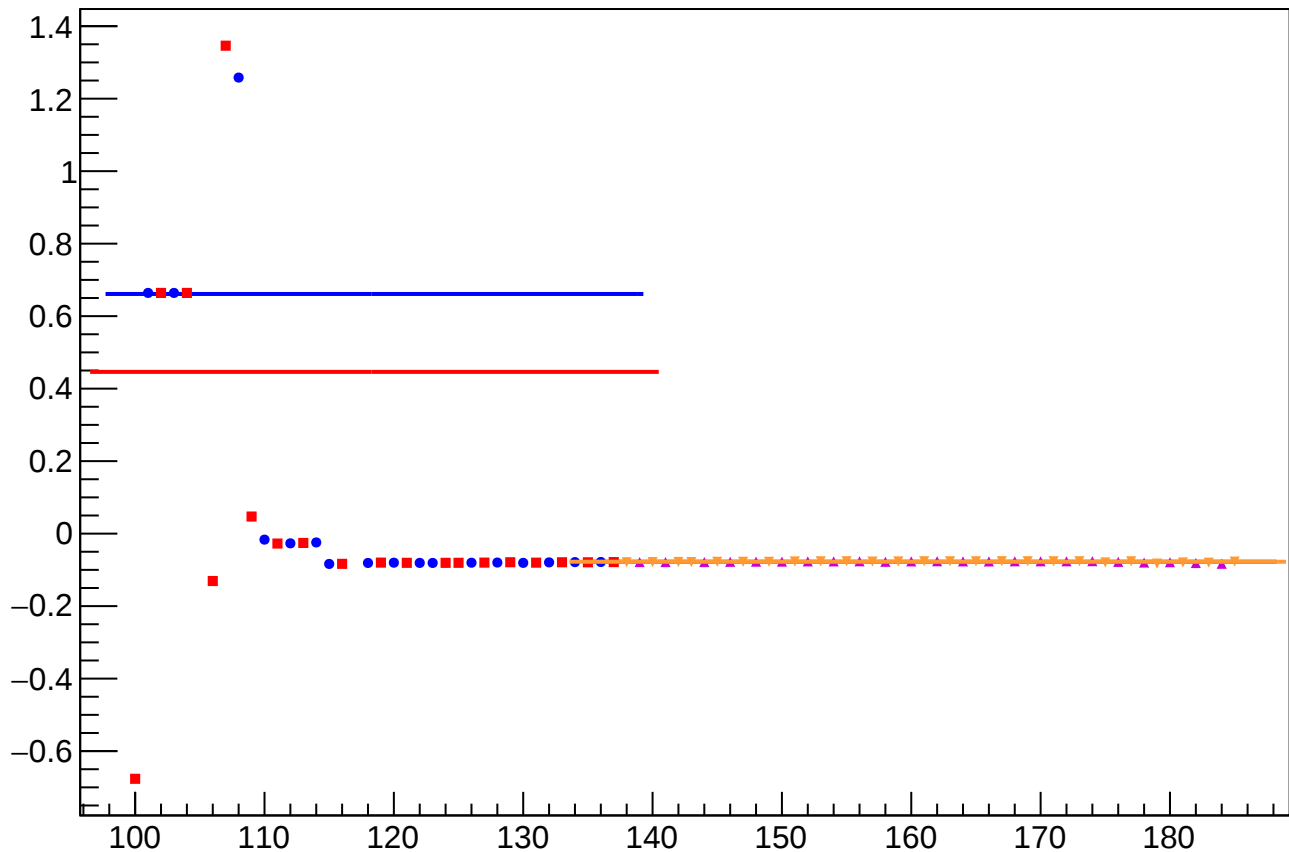
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 16977327.0/35

In: 0.000 $\pm$ 0.000 χ^2/NDF : 35865360.2/39

Out: 0.000 $\pm$ 0.000 χ^2/NDF : 37770290.0/43

All: 0.000 $\pm$ 0.000 χ^2/NDF : 73636145.1/83

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000

χ^2/NDF : 5585151330309.5/16

Left: -0.078+/-0.000

χ^2/NDF : 267582263.8/47

Left Out: -0.078+/-0.000

χ^2/NDF : 156322322.2/24

Right: 0.549+/-0.000

χ^2/NDF : 473931105024777.9/

Right Out: 0.446+/-0.000

χ^2/NDF : 405416742195381.0/18

In: 0.647+/-0.000

χ^2/NDF : 33845142859279.3/39

Out: 0.436+/-0.000

χ^2/NDF : 420605958203922.6/4

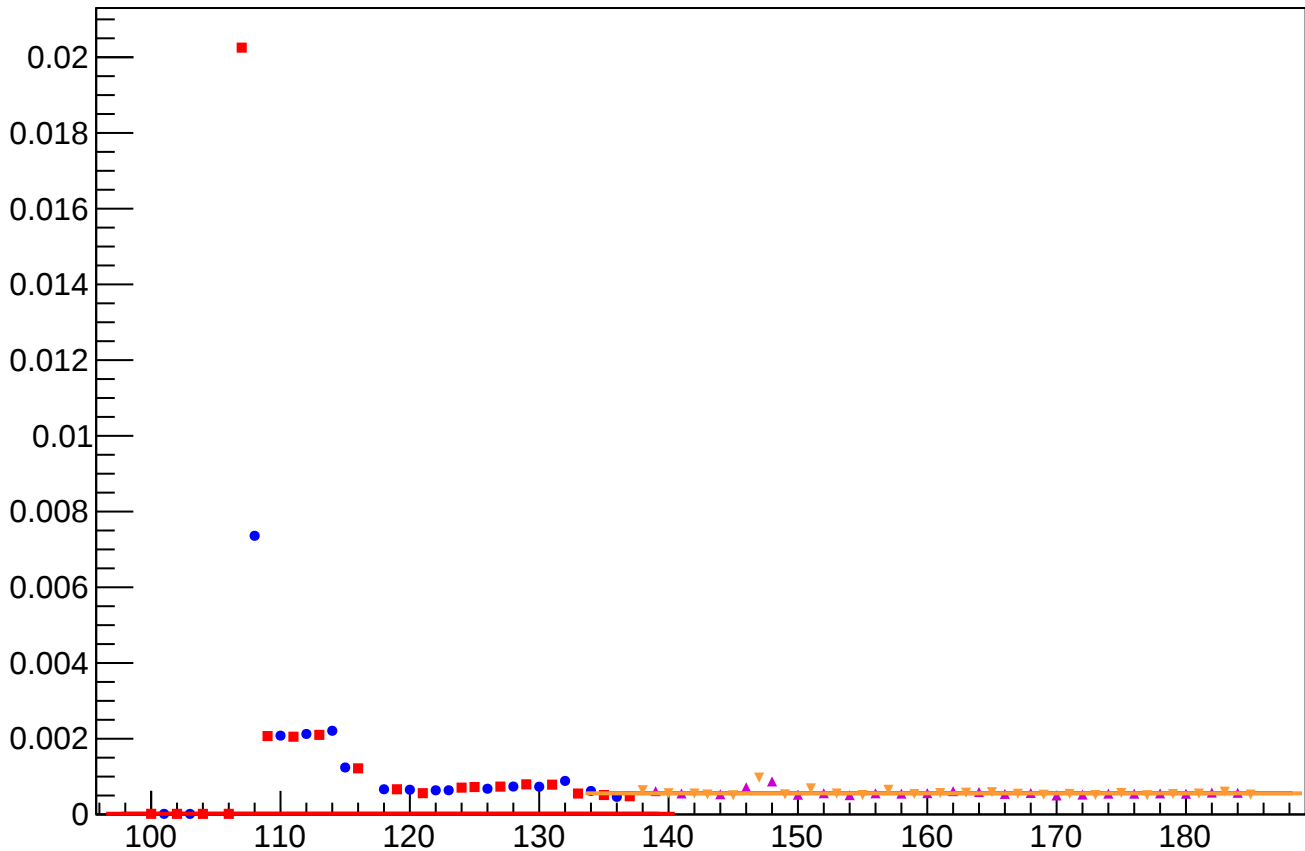
Left In: -0.077+/-0.000

χ^2/NDF : 111221084.5/22

All: 0.537+/-0.000

χ^2/NDF : 5159734731435/

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 9835626.2/16

Left Out: 0.001 $\pm$ 0.000 χ^2/NDF : 466709.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 9440944.6/18

Left In: 0.001 $\pm$ 0.000 χ^2/NDF : 355587.5/22

Left: 0.001 $\pm$ 0.000 χ^2/NDF : 823249.9/47

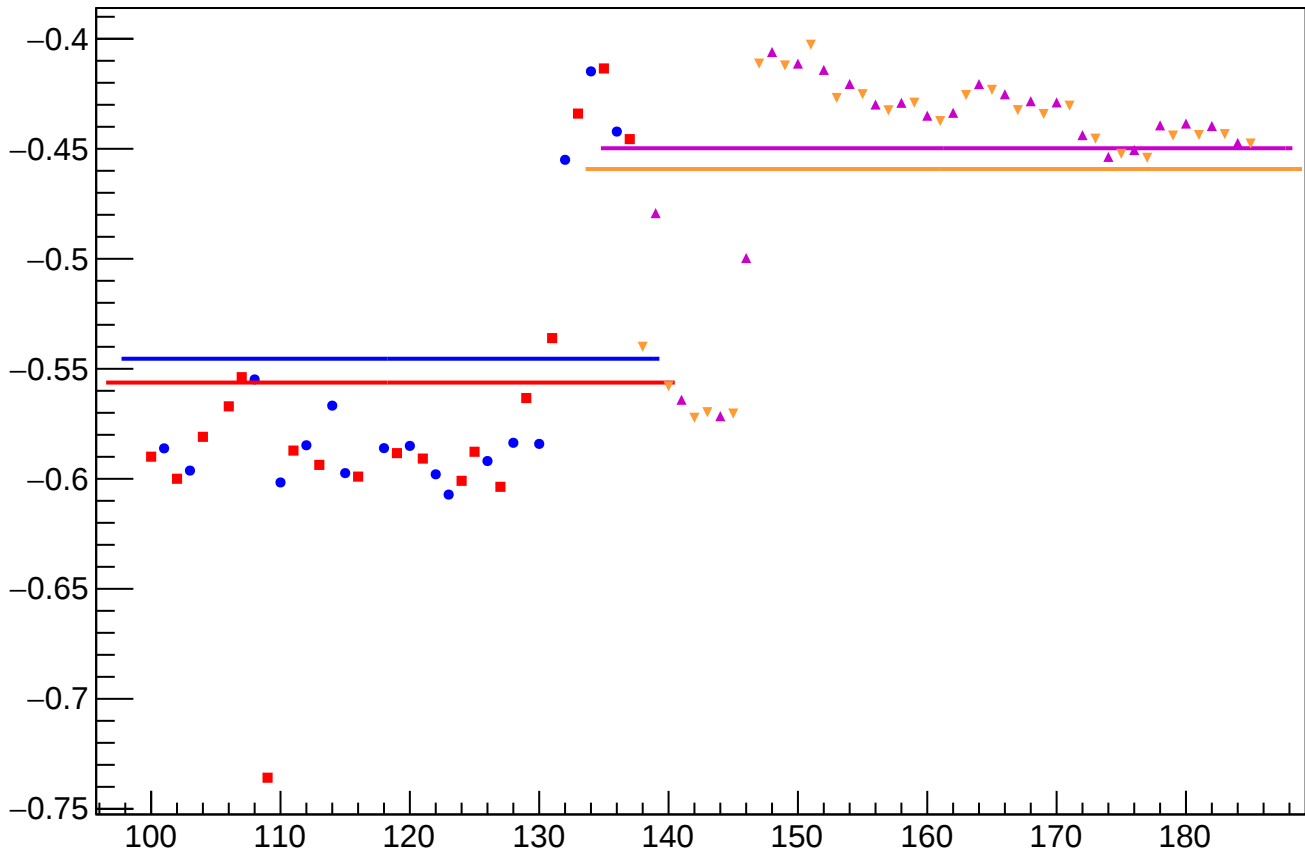
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 19276577.2/35

In: 0.000 $\pm$ 0.000 χ^2/NDF : 40814670.1/39

Out: 0.000 $\pm$ 0.000 χ^2/NDF : 42147975.5/43

All: 0.000 $\pm$ 0.000 χ^2/NDF : 82963051.5/83

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.545+/-0.000 χ^2/NDF : 46353554.3/16

Left Out: -0.459+/-0.000 χ^2/NDF : 113802296.5/24

Right Out: -0.556+/-0.000 χ^2/NDF : 63720924.6/18

Left In: -0.450+/-0.000 χ^2/NDF : 76151485.7/22

Left: -0.455+/-0.000 χ^2/NDF : 191683953.8/47

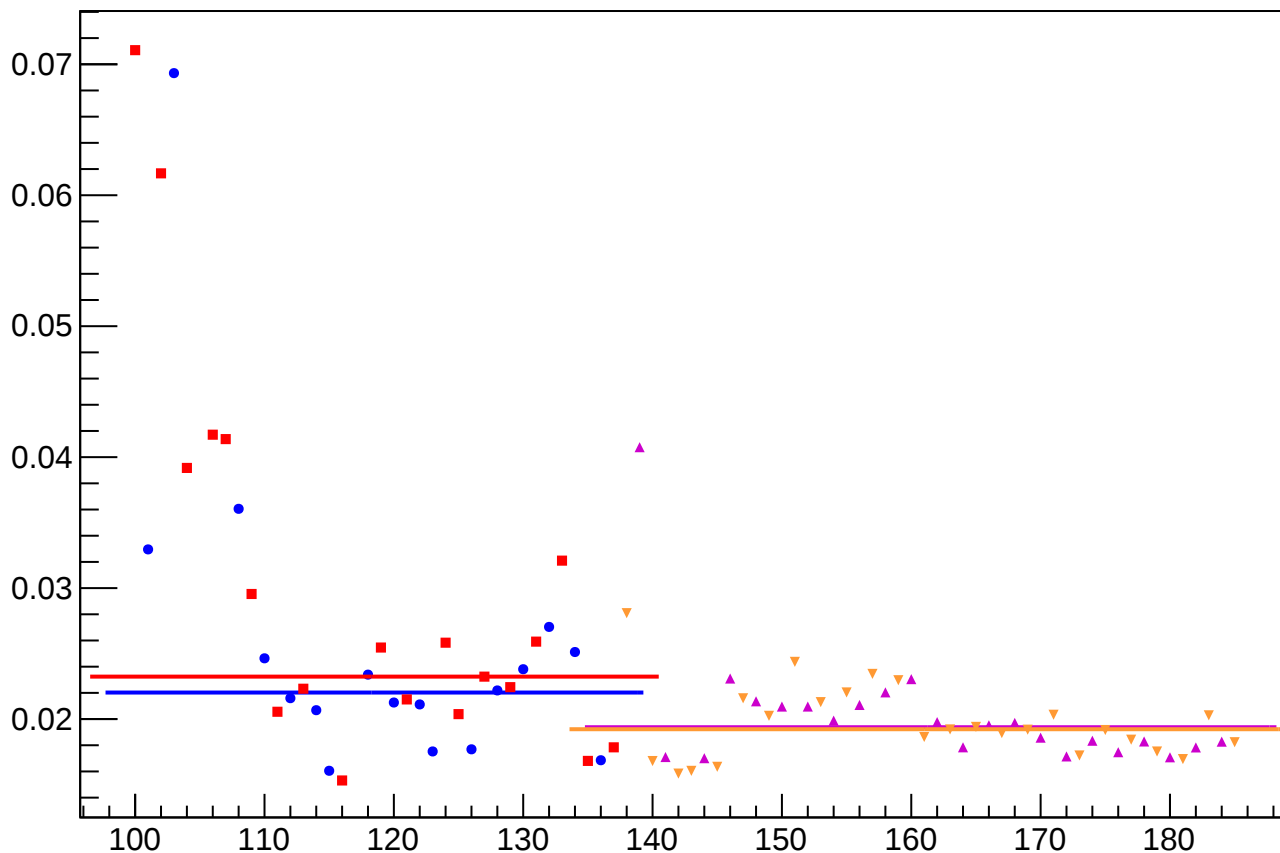
Right: -0.551+/-0.000 χ^2/NDF : 110666171.8/35

In: -0.471+/-0.000 χ^2/NDF : 196875229.2/39

Out: -0.478+/-0.000 χ^2/NDF : 251915313.6/43

All: -0.474+/-0.000 χ^2/NDF : 450245556.8/83

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 958242.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 501016.6/24

Right Out: 0.023+/-0.000 χ^2/NDF : 1154898.9/18

Left In: 0.019+/-0.000 χ^2/NDF : 656155.9/22

Left: 0.019+/-0.000 χ^2/NDF : 1158078.3/47

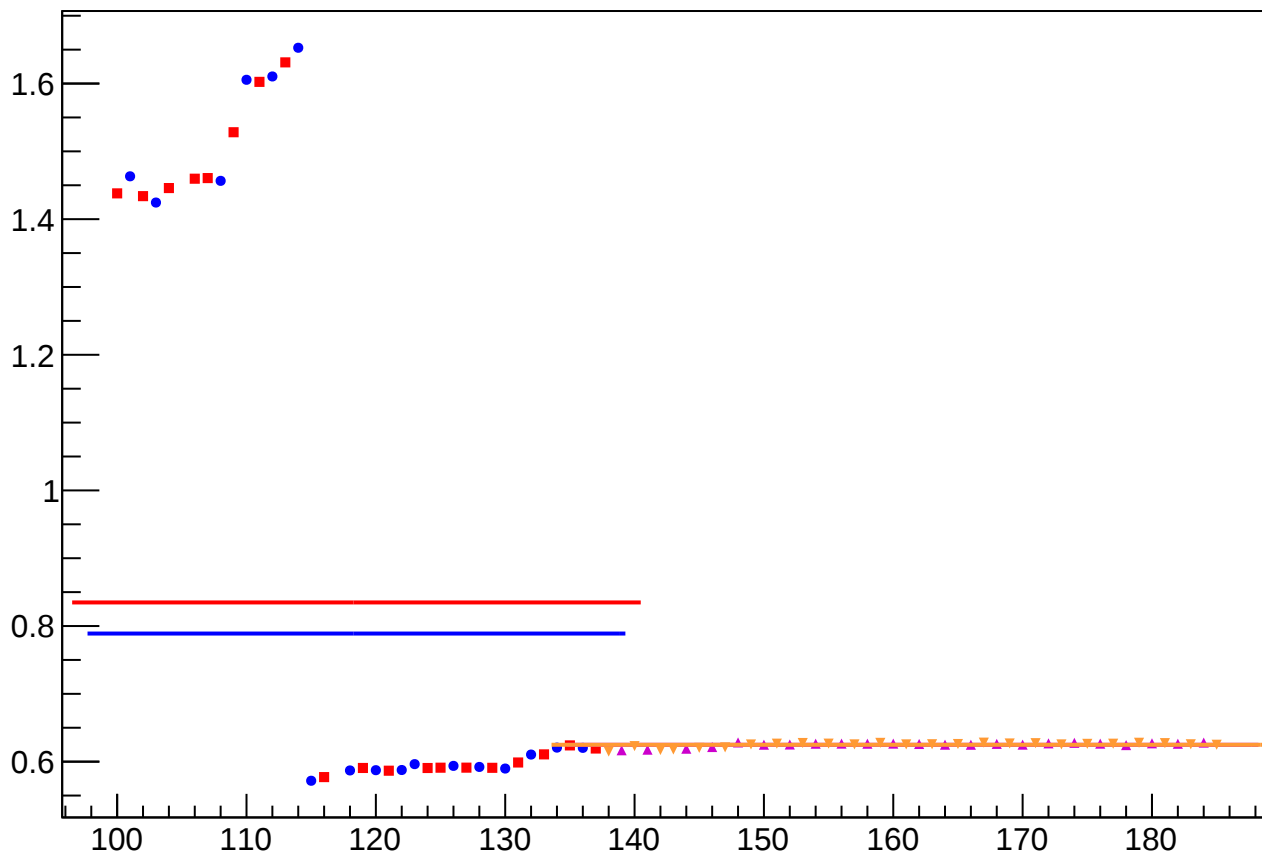
Right: 0.023+/-0.000 χ^2/NDF : 2128066.2/35

In: 0.020+/-0.000 χ^2/NDF : 1728353.9/39

Out: 0.020+/-0.000 χ^2/NDF : 1910784.8/43

All: 0.020+/-0.000 χ^2/NDF : 3639316.6/83

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.789+/-0.000 χ^2/NDF : 3572292316.9/16

Left Out: 0.625+/-0.000 χ^2/NDF :1441361.8/24

Right Out: 0.835+/-0.000 χ^2/NDF : 4145929509.1/18

Left In: 0.625+/-0.000 χ^2/NDF :1135039.4/22

Left: 0.625+/-0.000 χ^2/NDF : 2576669.3/47

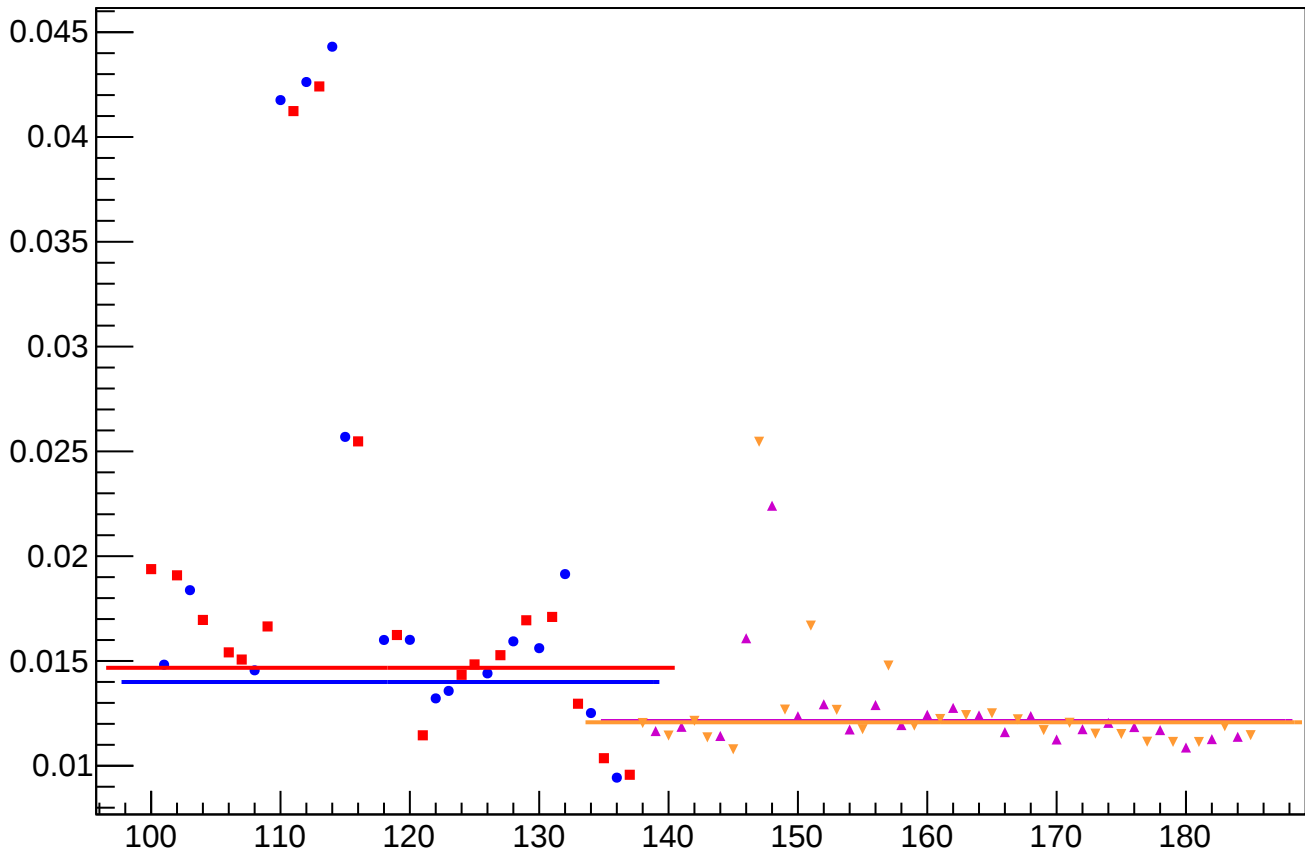
Right: 0.812+/-0.000 χ^2/NDF : 7747869439.7/35

In: 0.658+/-0.000 χ^2/NDF :4189094448.8/39

Out: 0.664+/-0.000 χ^2/NDF :5143669572.2/43

All: 0.661+/-0.000 χ^2/NDF : 9335715163.6/83

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1393658.1/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657284.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1257158.3/18

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

Left: 0.012 $\pm$ 0.000 χ^2 /NDF: 1145973.2/47

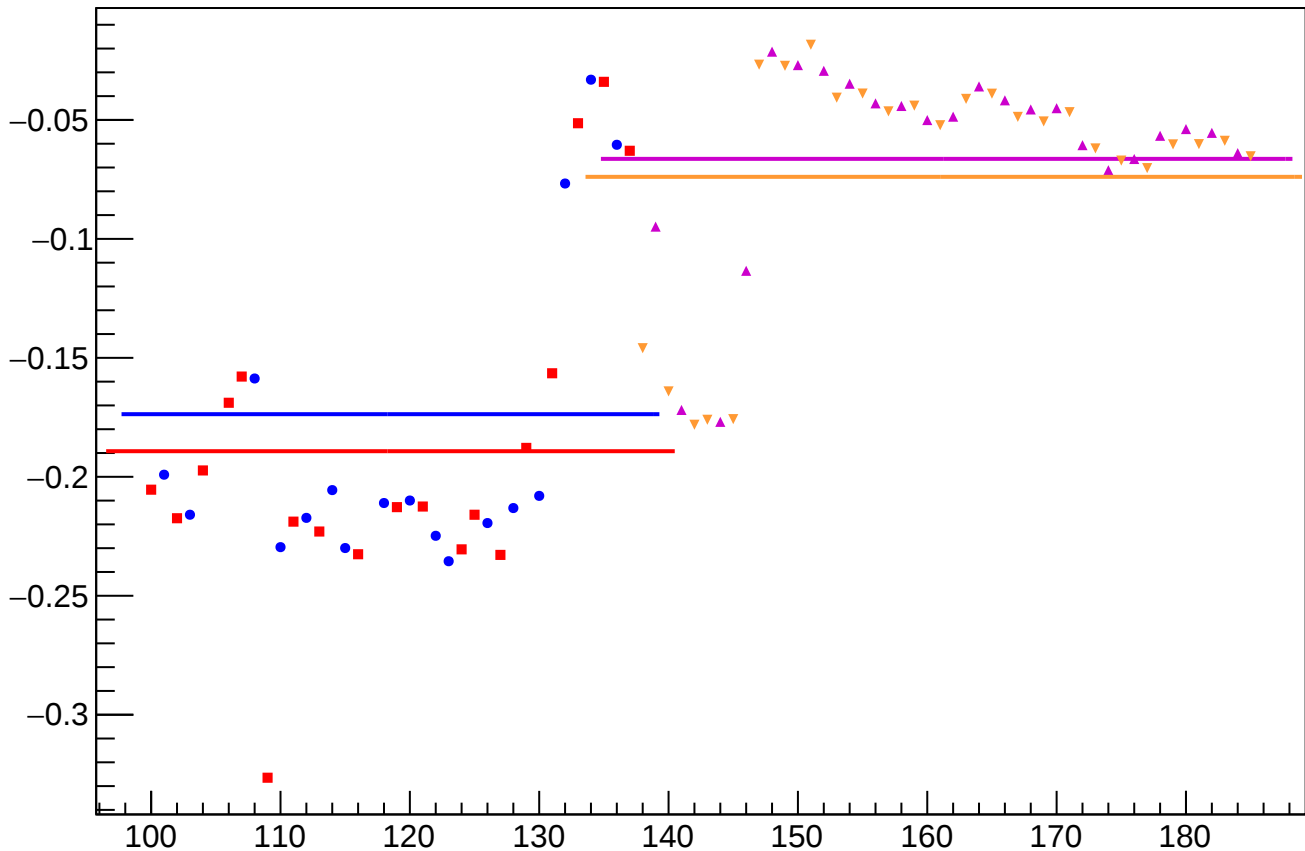
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 2663748.0/35

In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2040316.4/39

Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2220108.8/43

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4260806.5/83

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.174+/-0.000 χ^2/NDF : 66840344.3/16

Left Out: -0.074+/-0.000 χ^2/NDF : 107853994.9/24

Right Out: -0.189+/-0.000 χ^2/NDF : 81440695.3/18

Left In: -0.066+/-0.000 χ^2/NDF : 76283954.4/22

Left: -0.070+/-0.000 χ^2/NDF : 185258210.2/47

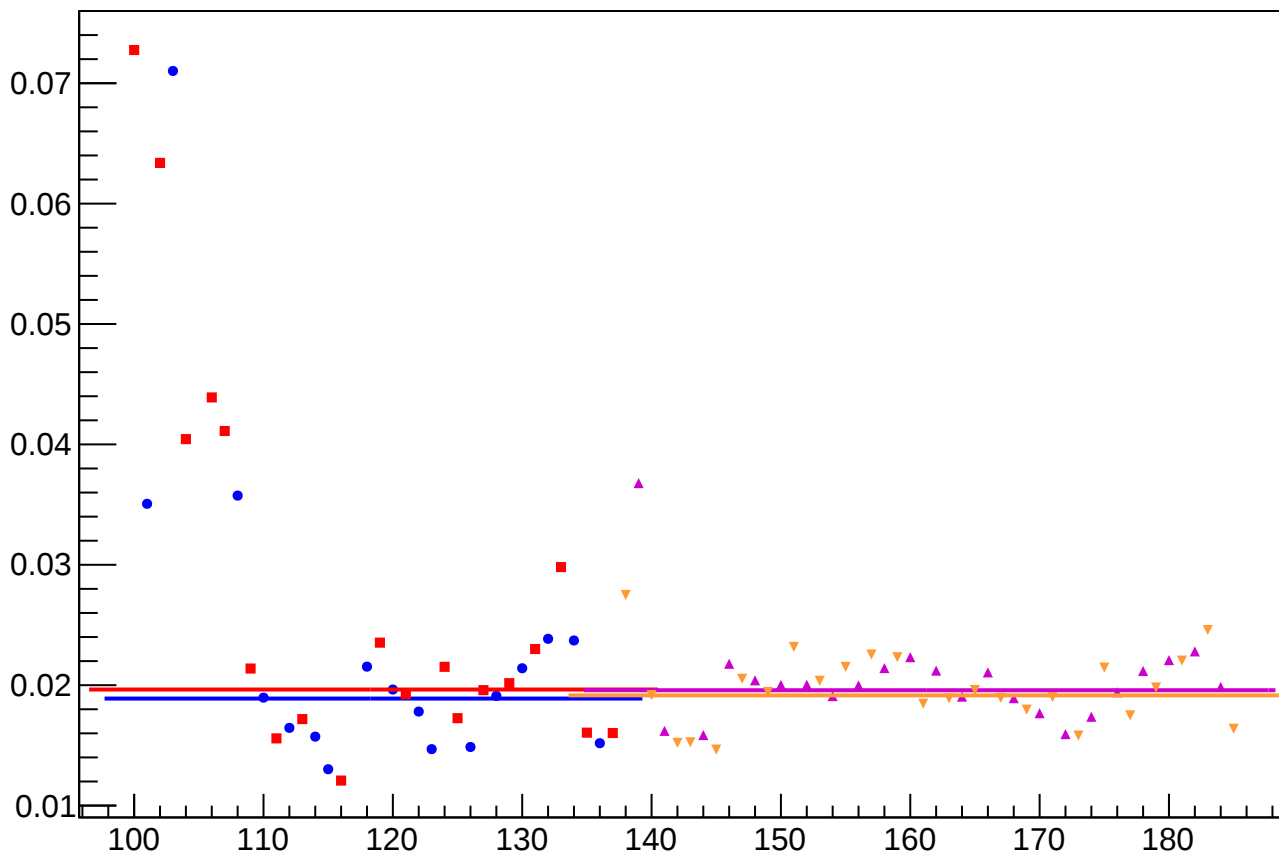
Right: -0.181+/-0.000 χ^2/NDF : 149928628.1/35

In: -0.095+/-0.000 χ^2/NDF : 259462568.3/39

Out: -0.102+/-0.000 χ^2/NDF : 323739418.4/43

All: -0.099+/-0.000 χ^2/NDF : 584462379.6/83

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1212238.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 639964.0/24

Right Out: 0.020+/-0.000 χ^2/NDF : 1451854.2/18

Left In: 0.020+/-0.000 χ^2/NDF : 651328.7/22

Left: 0.019+/-0.000 χ^2/NDF : 1298446.0/47

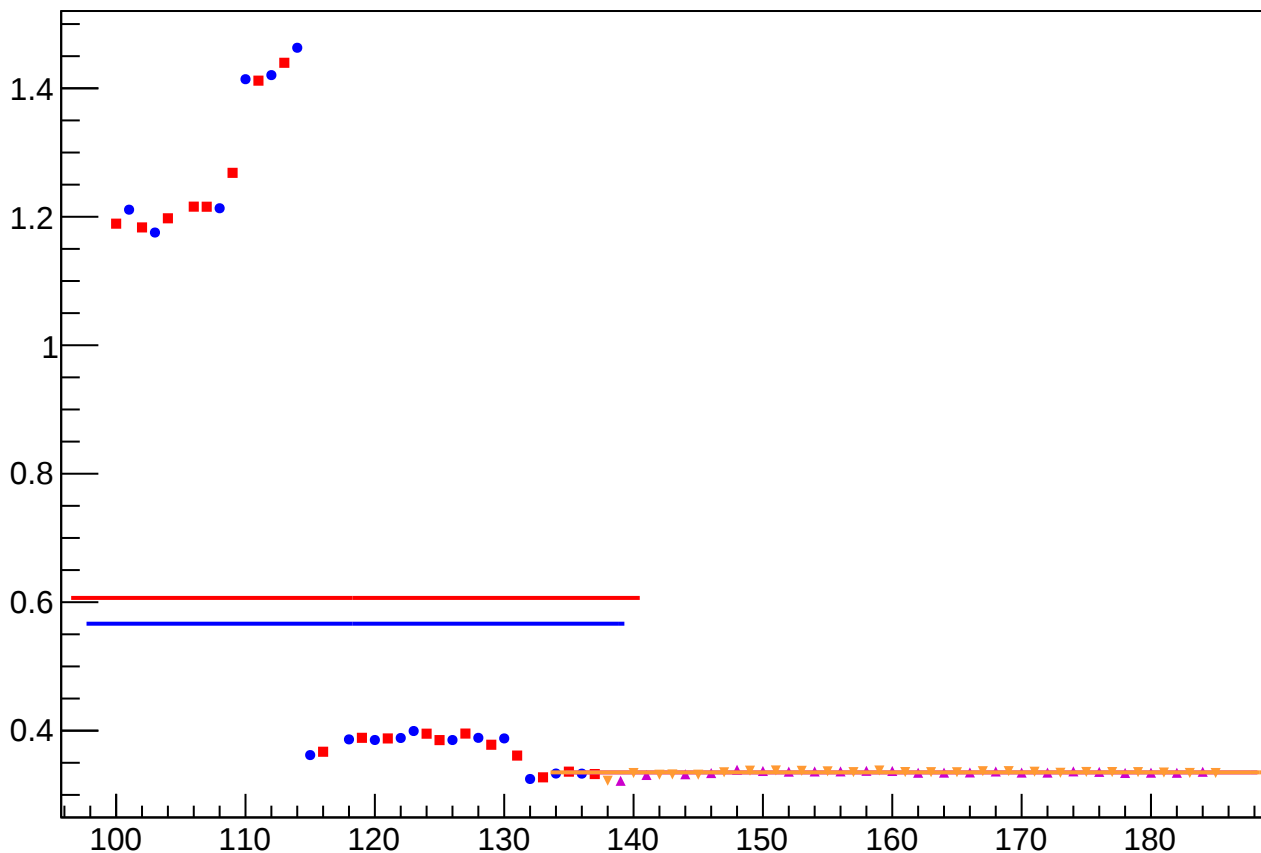
Right: 0.019+/-0.000 χ^2/NDF : 2671772.5/35

In: 0.019+/-0.000 χ^2/NDF : 1873233.4/39

Out: 0.019+/-0.000 χ^2/NDF : 2096601.8/43

All: 0.019+/-0.000 χ^2/NDF : 3970610.8/83

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567 $\pm$ 0.000 χ^2/NDF : 5026553135.6/16

Left Out: 0.335 $\pm$ 0.000 χ^2/NDF :1154168.2/24

Right Out: 0.607 $\pm$ 0.000 χ^2/NDF : 5520995734.6/18

Left In: 0.335 $\pm$ 0.000 χ^2/NDF :1198302.8/22

Left: 0.335 $\pm$ 0.000 χ^2/NDF : 2353020.9/47

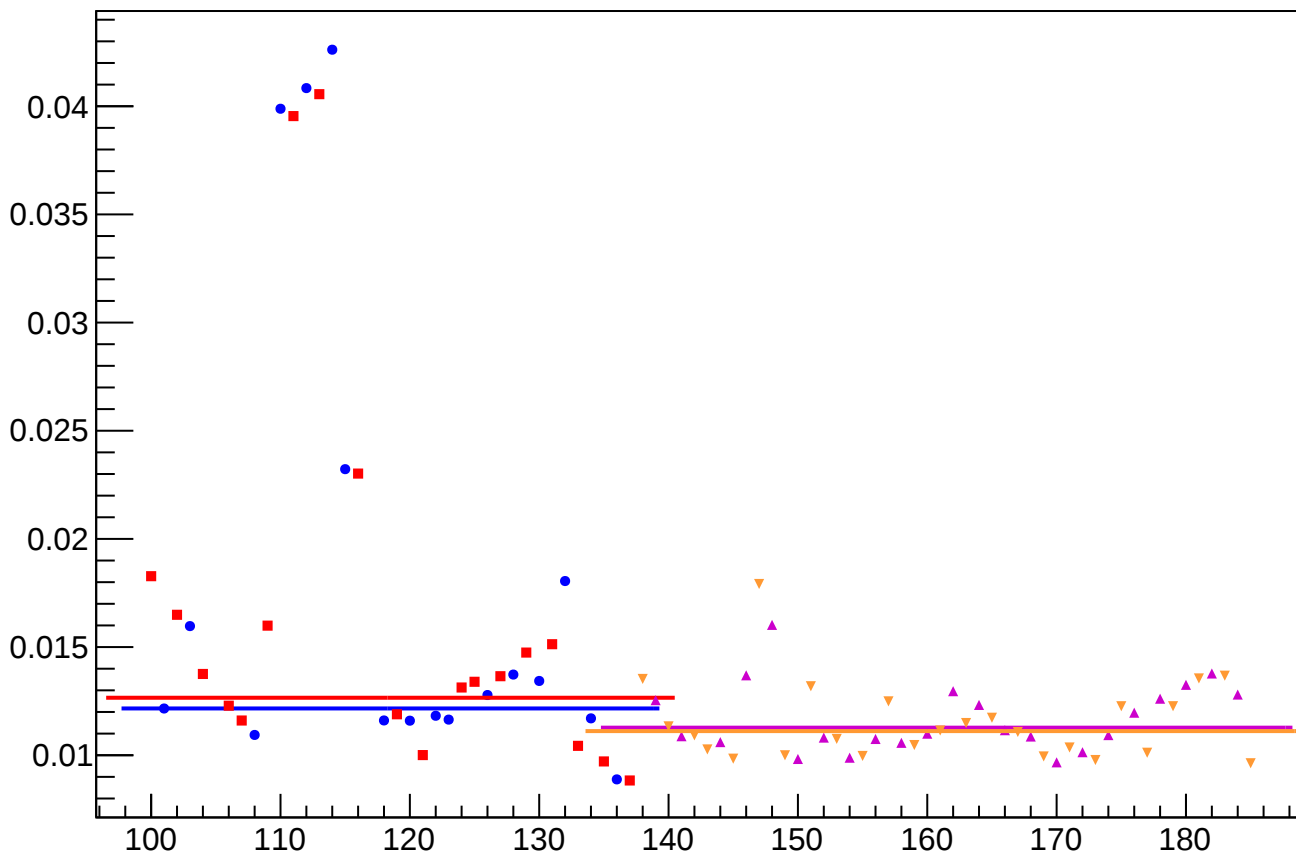
Right: 0.586 $\pm$ 0.000 χ^2/NDF : 10577499618.0/35

In: 0.387 $\pm$ 0.000 χ^2/NDF :6598128540.7/39

Out: 0.391 $\pm$ 0.000 χ^2/NDF :7667488269.0/43

All: 0.389 $\pm$ 0.000 χ^2/NDF : 14266993921.2/8

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1302333.7/16

Left Out: 0.011+/-0.000 χ^2/NDF : 607753.0/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1265522.0/18

Left In: 0.011+/-0.000 χ^2/NDF : 502226.7/22

Left: 0.011+/-0.000 χ^2/NDF : 1113399.8/47

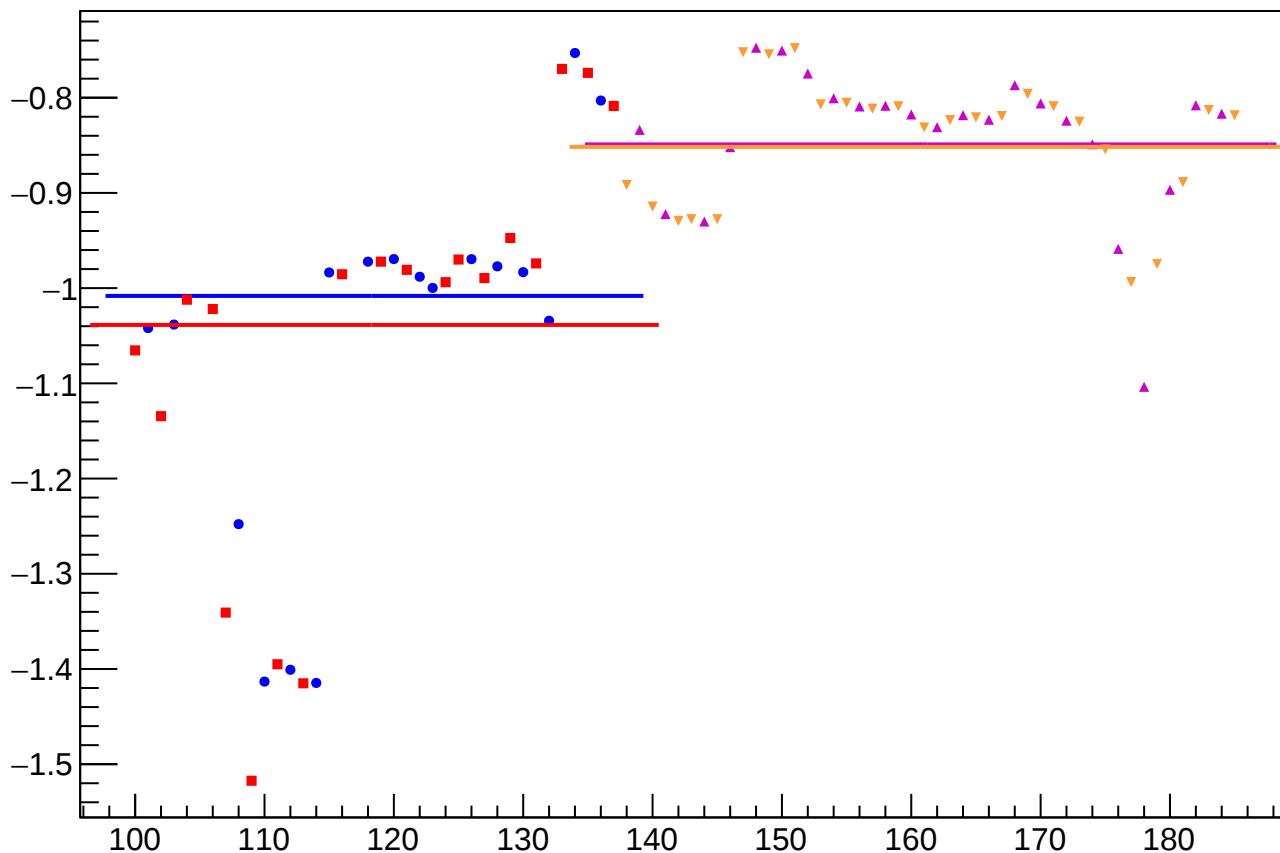
Right: 0.012+/-0.000 χ^2/NDF : 2576963.3/35

In: 0.011+/-0.000 χ^2/NDF : 1850803.3/39

Out: 0.011+/-0.000 χ^2/NDF : 2011596.3/43

All: 0.011+/-0.000 χ^2/NDF : 3862690.5/83

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.008 ± 0.000 χ^2/NDF : 393095883.4/16

Left Out: -0.852 ± 0.000 χ^2/NDF : 189257076.9/24

Right Out: -1.039 ± 0.000 χ^2/NDF : 534509069.6/18

Left In: -0.849 ± 0.000 χ^2/NDF : 256438306.8/22

Left: -0.850 ± 0.000 χ^2/NDF : 445831110.1/47

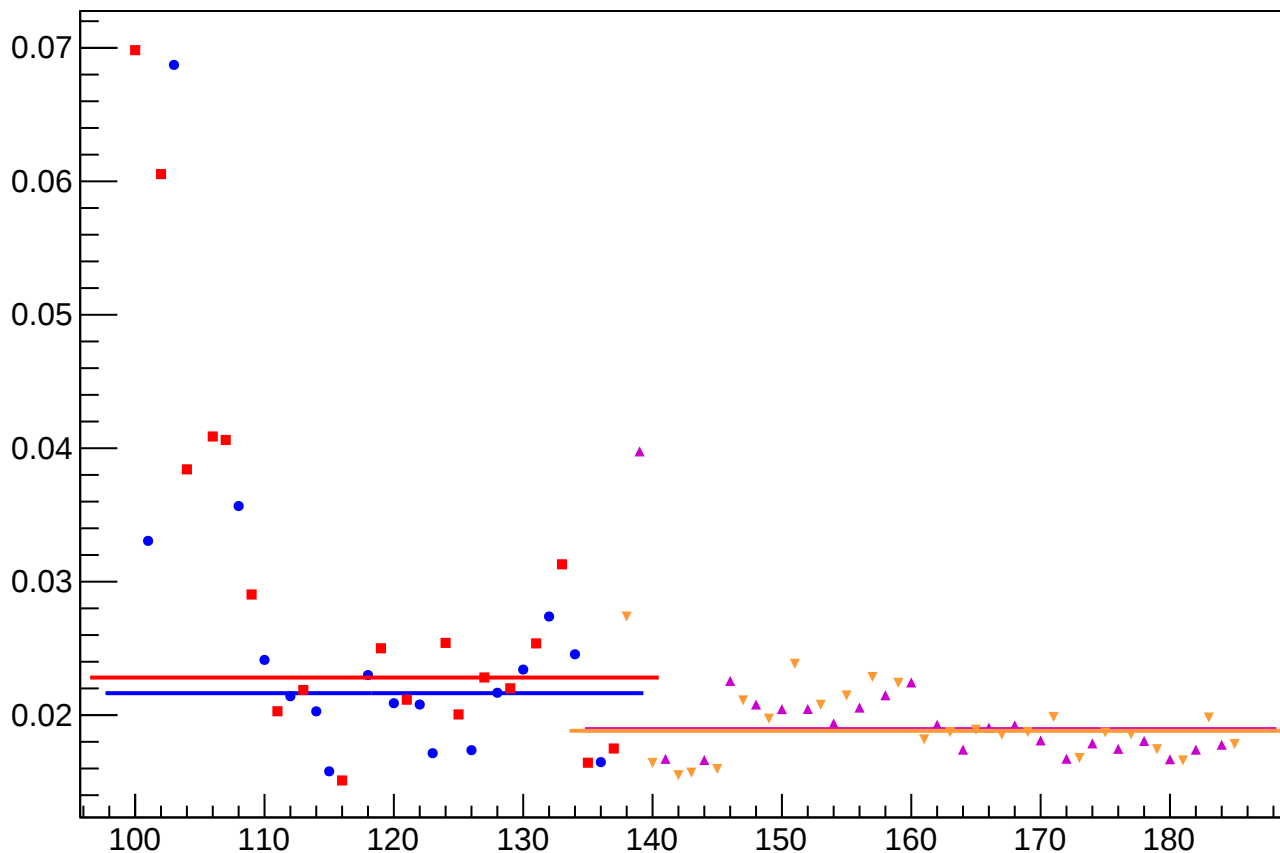
Right: -1.023 ± 0.000 χ^2/NDF : 932453785.5/35

In: -0.883 ± 0.000 χ^2/NDF : 862697843.0/39

Out: -0.888 ± 0.000 χ^2/NDF : 1010056629.4/43

All: -0.886 ± 0.000 χ^2/NDF : 1873359380.0/8

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 983373.6/16

Left Out: 0.019+/-0.000 χ^2/NDF : 489858.3/24

Right Out: 0.023+/-0.000 χ^2/NDF : 1150694.3/18

Left In: 0.019+/-0.000 χ^2/NDF : 645048.1/22

Left: 0.019+/-0.000 χ^2/NDF : 1135523.2/47

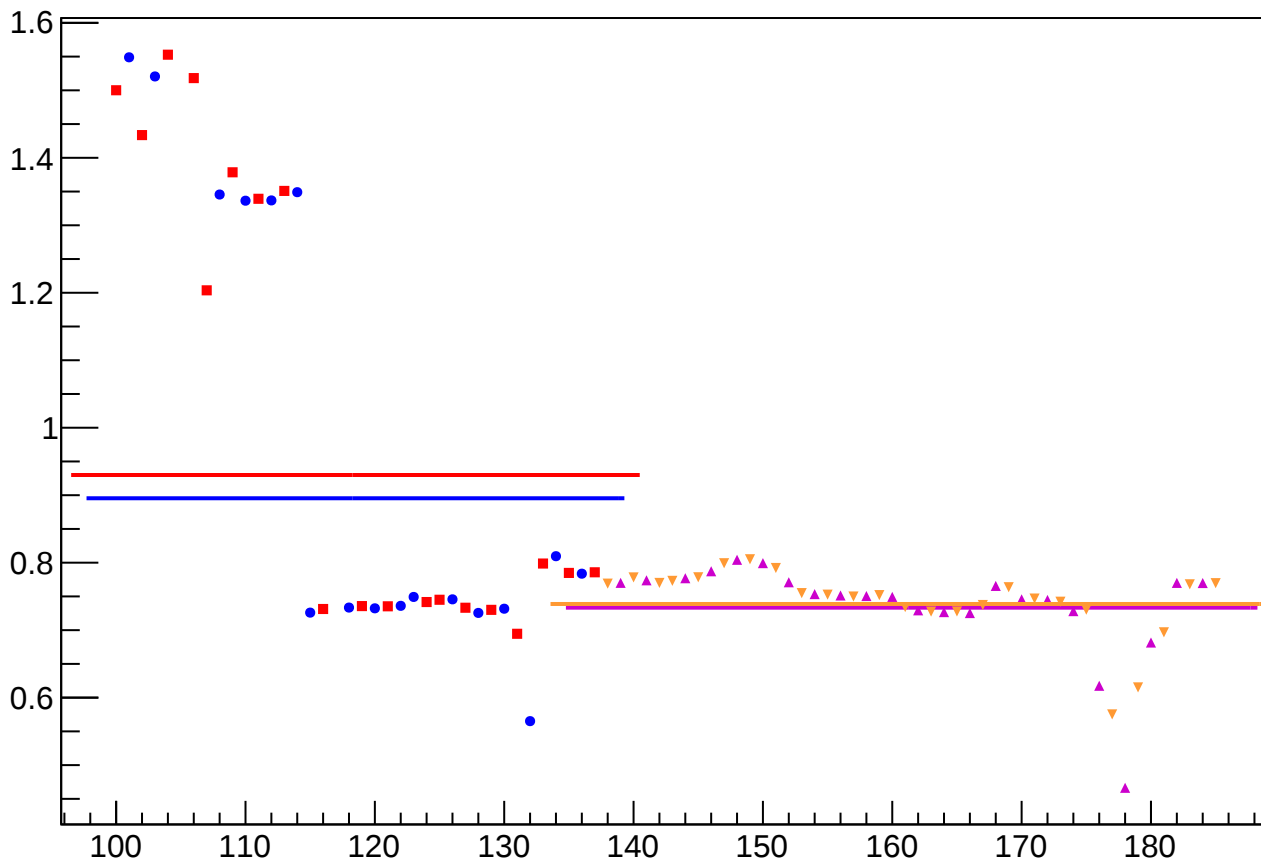
Right: 0.022+/-0.000 χ^2/NDF : 2148387.9/35

In: 0.020+/-0.000 χ^2/NDF : 1750682.1/39

Out: 0.020+/-0.000 χ^2/NDF : 1901093.5/43

All: 0.020+/-0.000 χ^2/NDF : 3652068.2/83

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.895 $\pm$ 0.000 χ^2 /NDF: 2392918091.7/16

Left Out: 0.739 $\pm$ 0.000 χ^2 /NDF: 332994259.2/24

Right Out: 0.930 $\pm$ 0.000 χ^2 /NDF: 2420081209.6/18

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF: 570264411.7/22

Left: 0.736 $\pm$ 0.000 χ^2 /NDF: 904994669.2/47

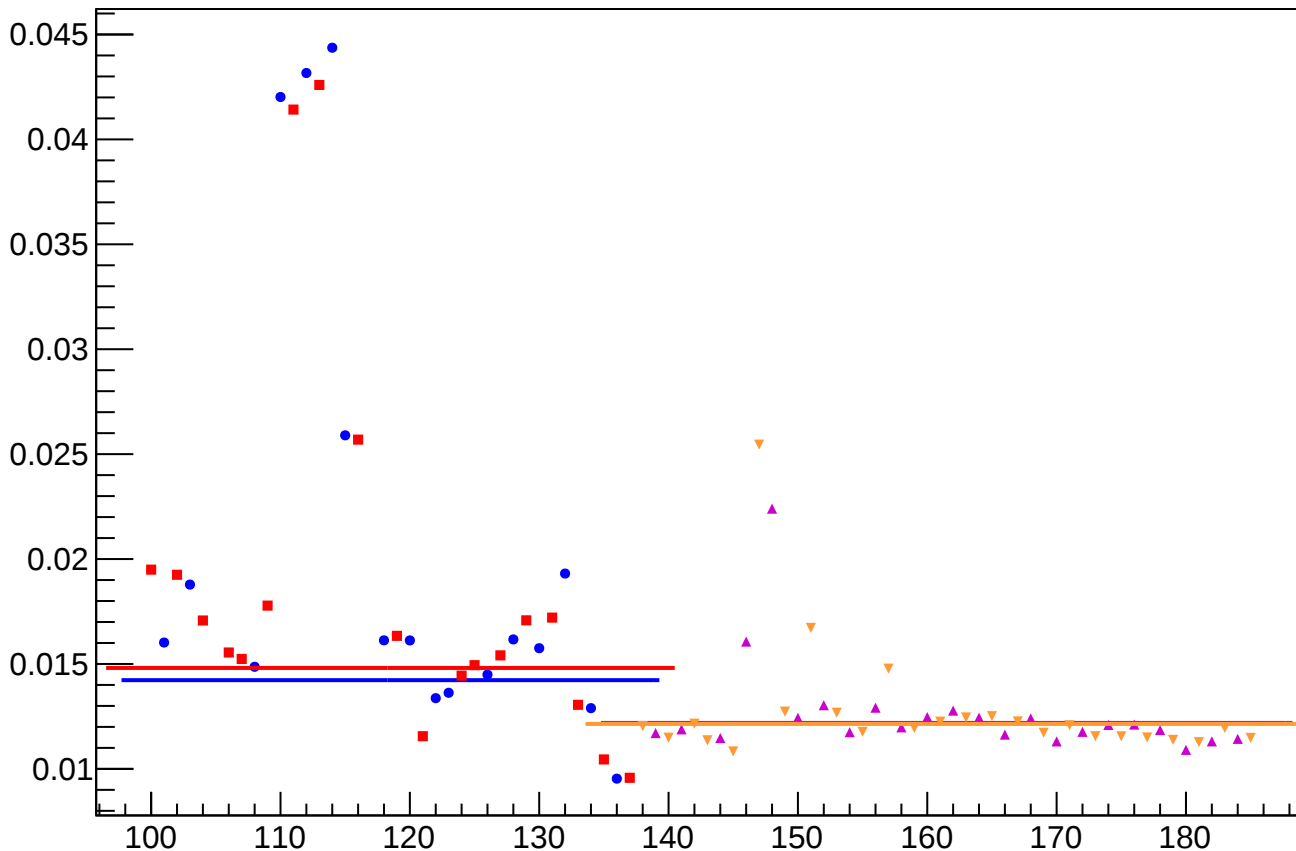
Right: 0.913 $\pm$ 0.000 χ^2 /NDF: 4829250239.4/35

In: 0.765 $\pm$ 0.000 χ^2 /NDF: 3544819865.9/39

Out: 0.774 $\pm$ 0.000 χ^2 /NDF: 3562224390.0/43

All: 0.770 $\pm$ 0.000 χ^2 /NDF: 7113027972.6/83

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1403945.8/16

Left Out: 0.012+/-0.000 χ^2/NDF : 638053.6/24

Right Out: 0.015+/-0.000 χ^2/NDF : 1267250.0/18

Left In: 0.012+/-0.000 χ^2/NDF : 481639.6/22

Left: 0.012+/-0.000 χ^2/NDF : 1119955.7/47

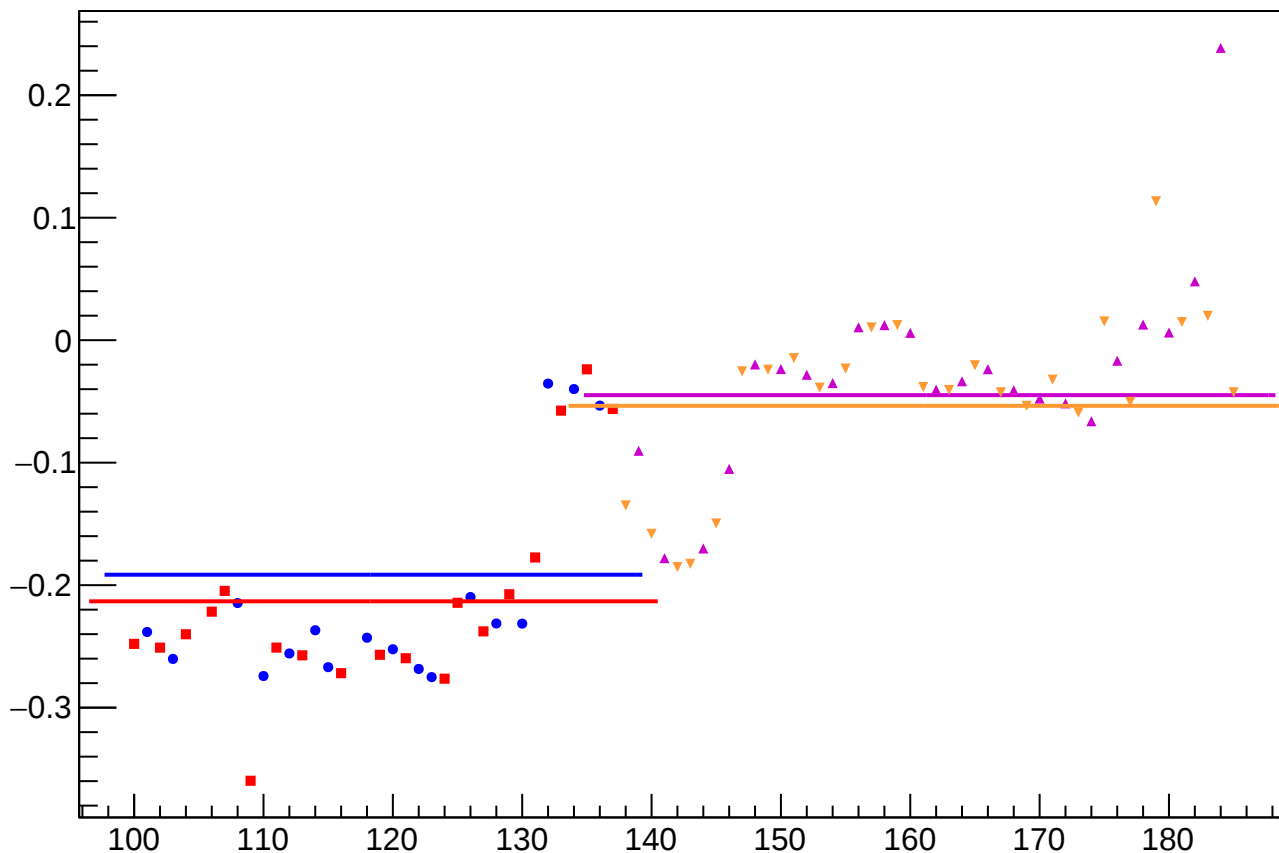
Right: 0.015+/-0.000 χ^2/NDF : 2680467.9/35

In: 0.013+/-0.000 χ^2/NDF : 2069350.9/39

Out: 0.013+/-0.000 χ^2/NDF : 2220501.1/43

All: 0.013+/-0.000 χ^2/NDF : 4290177.6/83

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.191 ± 0.000 $\chi^2/\text{NDF}: 105957051.0/16$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167785615.0/24$

Right Out: -0.213 ± 0.000 $\chi^2/\text{NDF}: 109604825.2/18$

Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127324000.1/22$

Left: -0.049 ± 0.000 $\chi^2/\text{NDF}: 296590461.7/47$

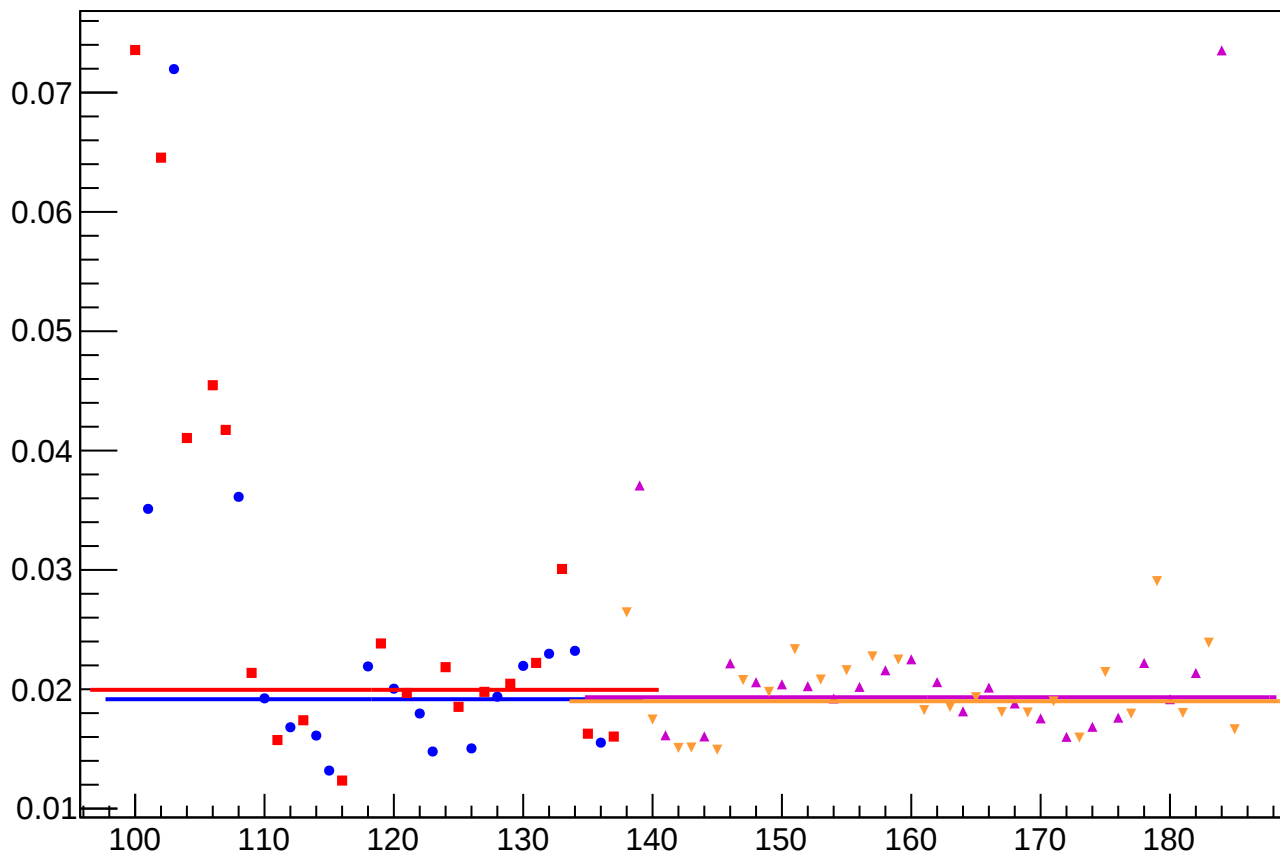
Right: -0.202 ± 0.000 $\chi^2/\text{NDF}: 218676699.4/35$

In: -0.084 ± 0.000 $\chi^2/\text{NDF}: 445862200.1/39$

Out: -0.092 ± 0.000 $\chi^2/\text{NDF}: 527584064.2/43$

All: -0.088 ± 0.000 $\chi^2/\text{NDF}: 975331411.5/83$

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1183198.6/16

Left Out: 0.019+/-0.000 χ^2/NDF : 698490.3/24

Right Out: 0.020+/-0.000 χ^2/NDF : 1442604.7/18

Left In: 0.019+/-0.000 χ^2/NDF : 892810.7/22

Left: 0.019+/-0.000 χ^2/NDF : 1595662.1/47

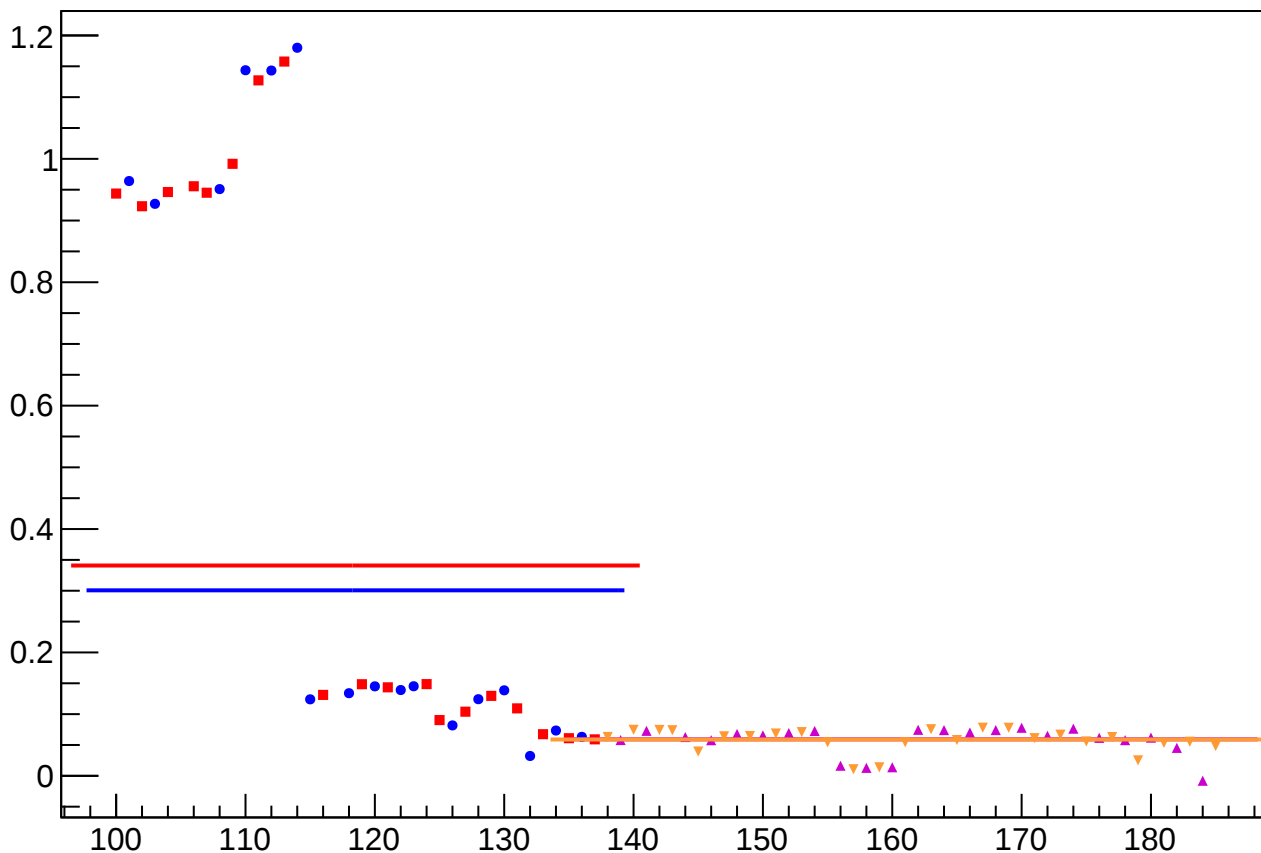
Right: 0.020+/-0.000 χ^2/NDF : 2633983.0/35

In: 0.019+/-0.000 χ^2/NDF : 2076554.3/39

Out: 0.019+/-0.000 χ^2/NDF : 2159050.0/43

All: 0.019+/-0.000 χ^2/NDF : 4235788.9/83

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5169454550.2/16

Left Out: 0.059+/-0.000 χ^2/NDF : 46900535.0/24

Right Out: 0.341+/-0.000 χ^2/NDF : 5465725389.6/18

Left In: 0.059+/-0.000 χ^2/NDF : 58640898.5/22

Left: 0.059+/-0.000 χ^2/NDF : 105547390.5/47

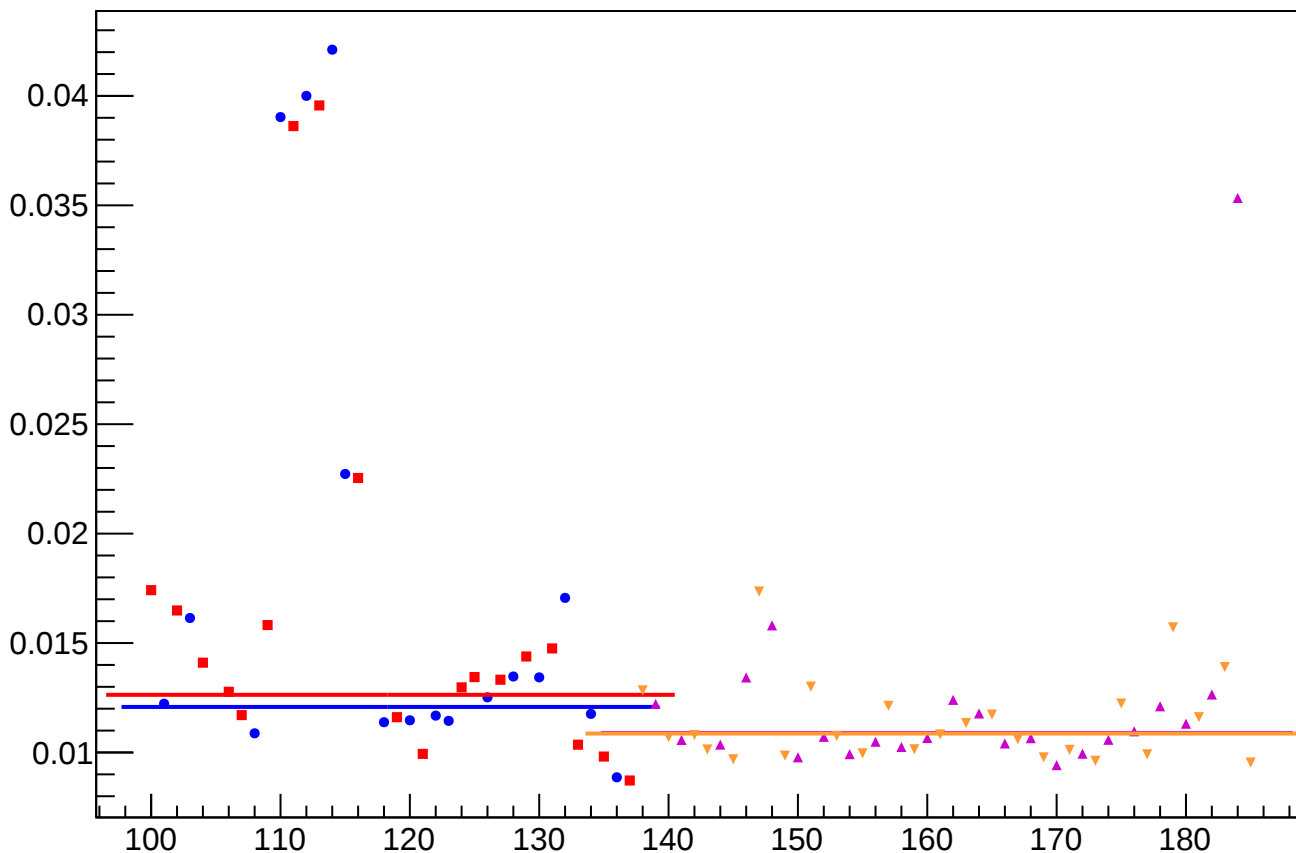
Right: 0.320+/-0.000 χ^2/NDF : 10665529192.9/35

In: 0.112+/-0.000 χ^2/NDF : 6973729168.5/39

Out: 0.116+/-0.000 χ^2/NDF : 7841136530.8/43

All: 0.114+/-0.000 χ^2/NDF : 14816428419.0/8

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1275060.9/16

Left Out: 0.011+/-0.000 χ^2/NDF : 606065.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1234267.8/18

Left In: 0.011+/-0.000 χ^2/NDF : 529867.3/22

Left: 0.011+/-0.000 χ^2/NDF : 1136039.2/47

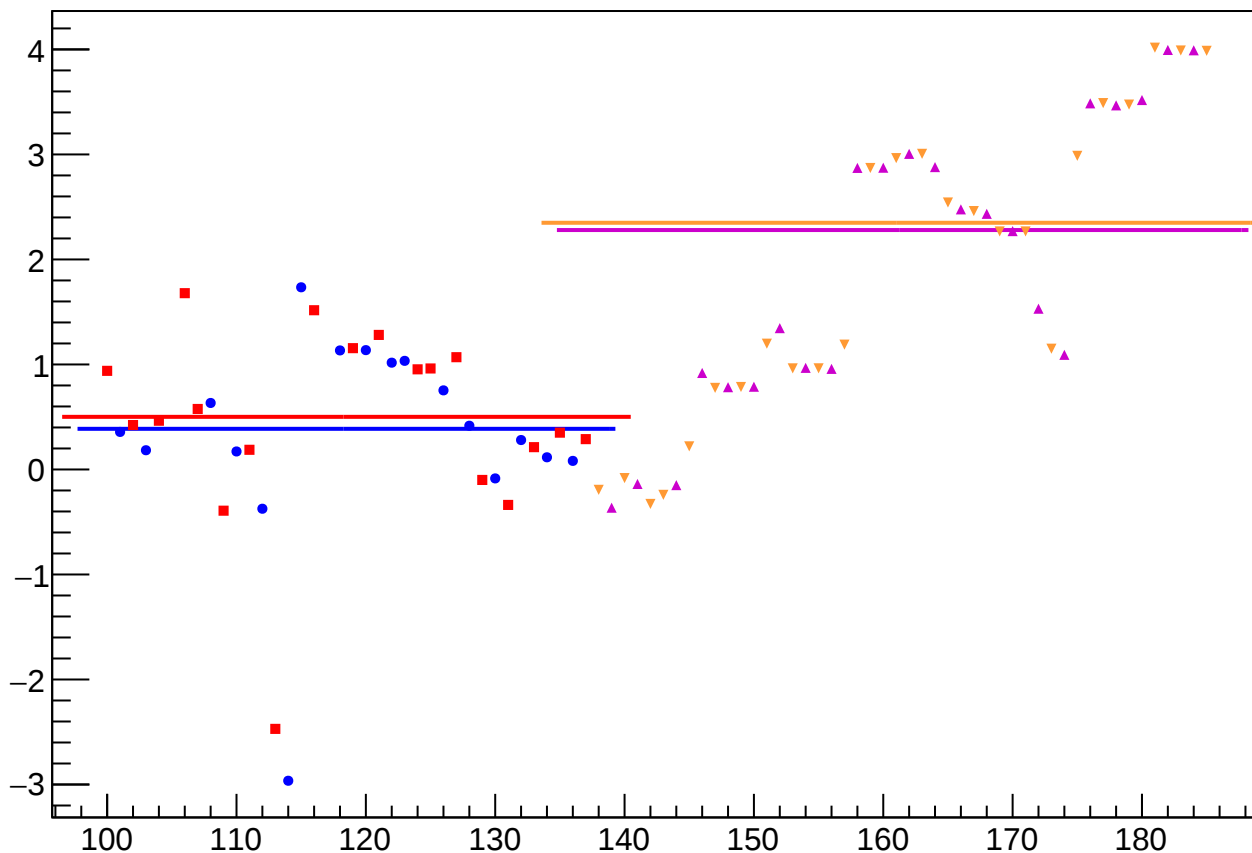
Right: 0.012+/-0.000 χ^2/NDF : 2520814.8/35

In: 0.011+/-0.000 χ^2/NDF : 1889511.8/39

Out: 0.011+/-0.000 χ^2/NDF : 2023702.5/43

All: 0.011+/-0.000 χ^2/NDF : 3914136.4/83

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.387 $\pm$ 0.000

χ^2 /NDF: 243730591.1/16

Left: 2.314 $\pm$ 0.000 χ^2 /NDF: 125155865740.6/47

Right: 0.440 $\pm$ 0.000 χ^2 /NDF: 1237246871.1/35

Left Out: 2.349 $\pm$ 0.000

χ^2 /NDF: 63587679938.1/24

In: 2.219 $\pm$ 0.000 χ^2 /NDF: 67742170297.7/39

Right Out: 0.501 $\pm$ 0.000

χ^2 /NDF: 983060826.6/18

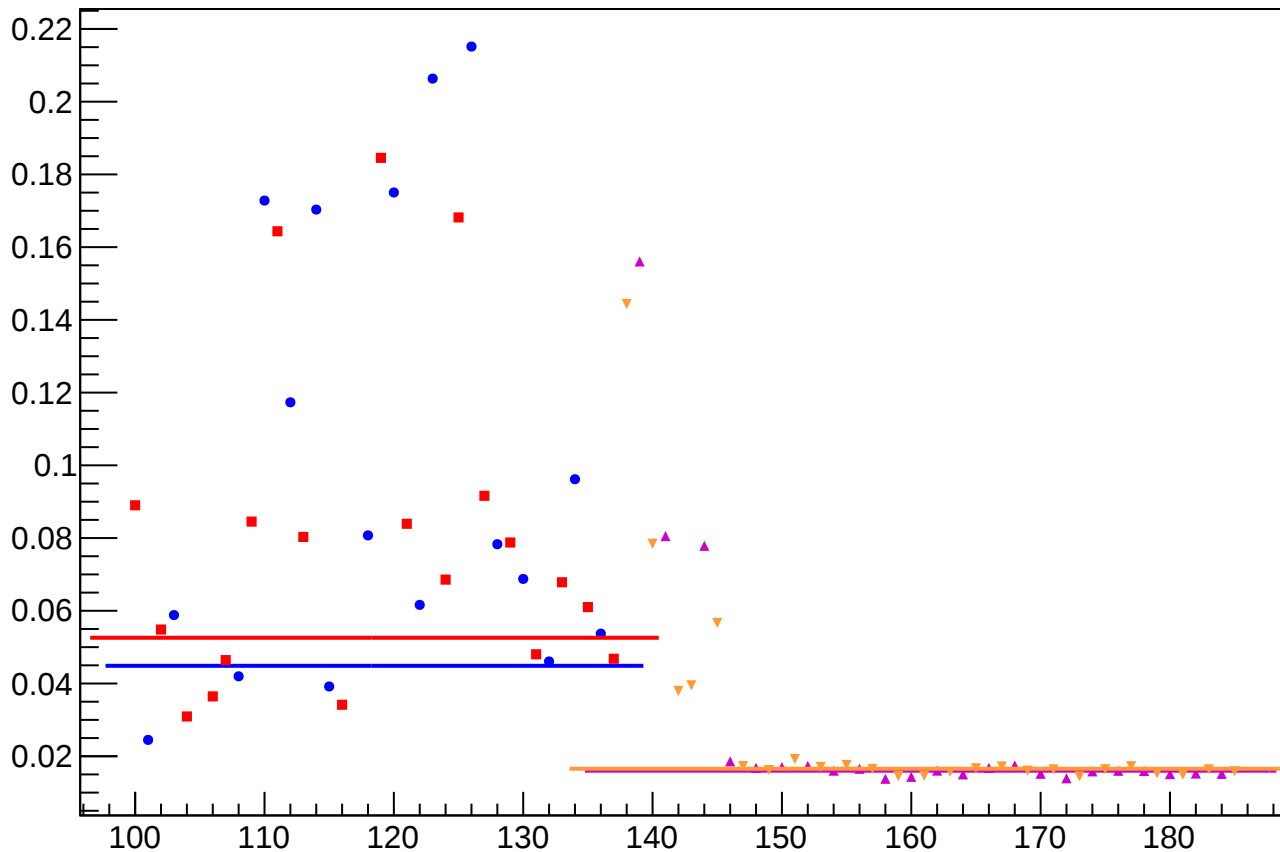
Out: 2.297 $\pm$ 0.000 χ^2 /NDF: 69502802210.7/43

Left In: 2.280 $\pm$ 0.000

χ^2 /NDF: 61444254541.3/22

All: 2.257 $\pm$ 0.000 χ^2 /NDF: 137408306659.0

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045 $\pm$ 0.000 χ^2/NDF : 2772873.5/16

Left Out: 0.017 $\pm$ 0.000 χ^2/NDF : 2623659.5/24

Right Out: 0.053 $\pm$ 0.000 χ^2/NDF : 2178932.6/18

Left In: 0.016 $\pm$ 0.000 χ^2/NDF : 2463853.3/22

Left: 0.016 $\pm$ 0.000 χ^2/NDF : 5102782.1/47

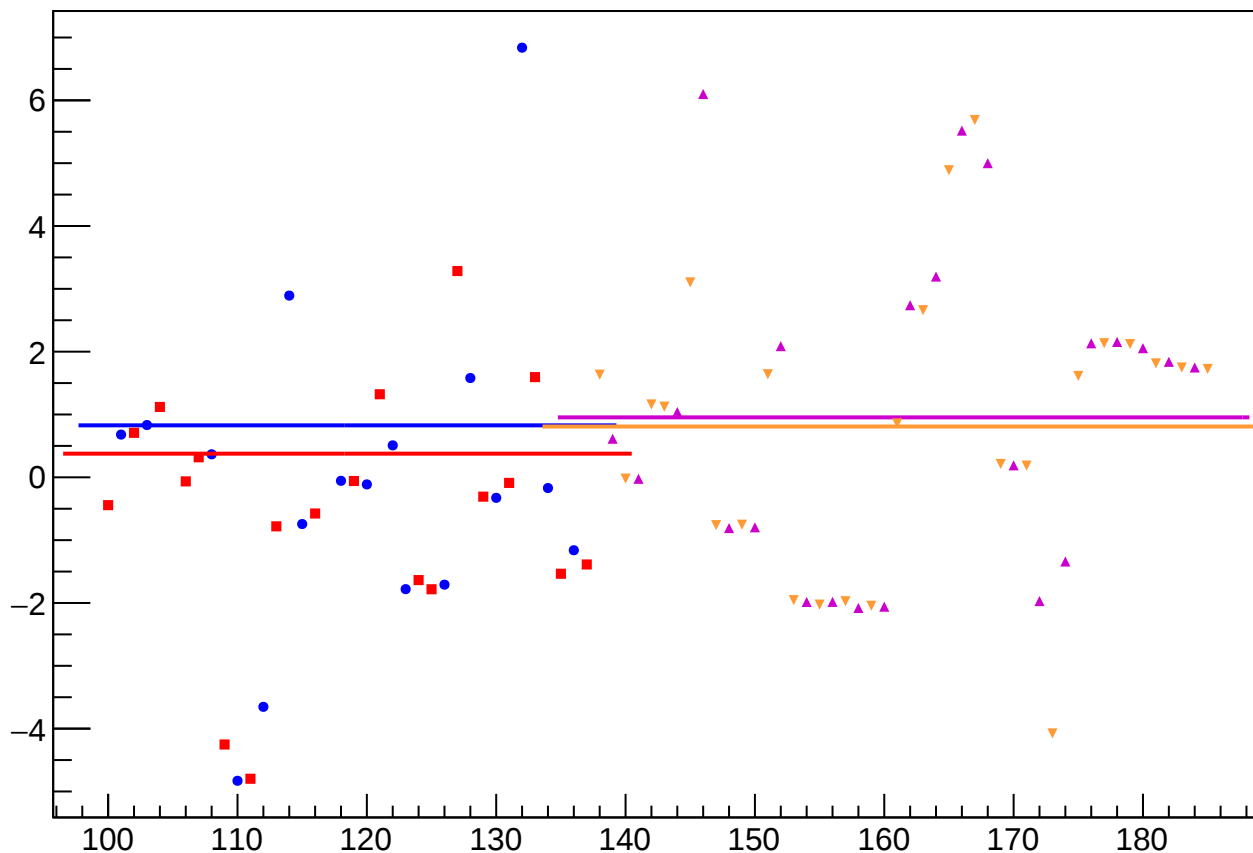
Right: 0.048 $\pm$ 0.000 χ^2/NDF : 5047373.8/35

In: 0.017 $\pm$ 0.000 χ^2/NDF : 8047069.4/39

Out: 0.018 $\pm$ 0.000 χ^2/NDF : 8547656.6/43

All: 0.017 $\pm$ 0.000 χ^2/NDF : 16615726.2/83

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.827 $\pm$ 0.000

χ^2/NDF : 10943374014.3/16

Left: 0.882 $\pm$ 0.000 χ^2/NDF : 1083150586082.2/47

Right: 0.615 $\pm$ 0.000 χ^2/NDF : 16261014165.5/35

Left Out: 0.809 $\pm$ 0.000

χ^2/NDF : 507453998090.0/24

In: 0.949 $\pm$ 0.000 χ^2/NDF : 585796848987.1/39

Right Out: 0.377 $\pm$ 0.000

χ^2/NDF : 4942288775.5/18

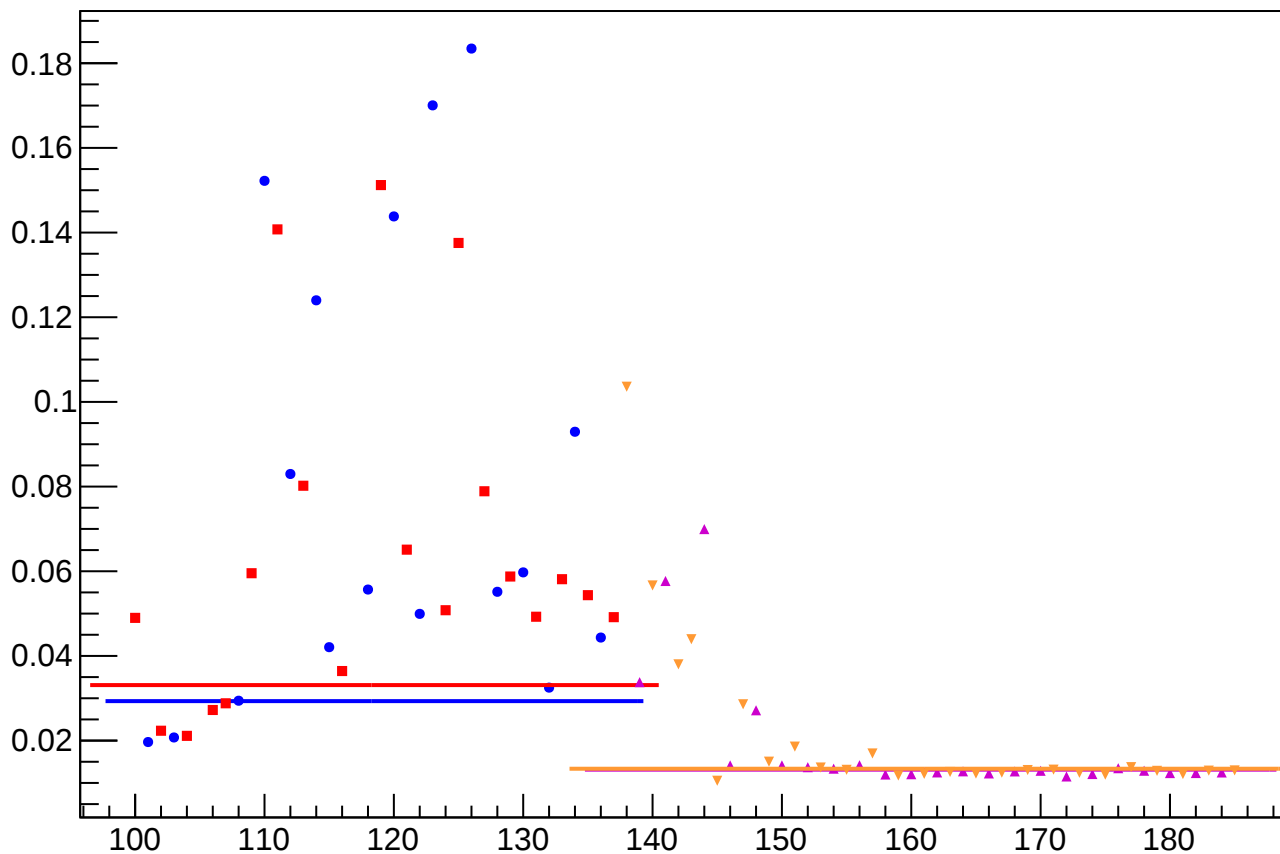
Out: 0.792 $\pm$ 0.000 χ^2/NDF : 513022272665.1/43

Left In: 0.954 $\pm$ 0.000

χ^2/NDF : 574792794608.3/22

All: 0.871 $\pm$ 0.000 χ^2/NDF : 1099916812956.0

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 2967975.9/16

Left Out: 0.013+/-0.000 χ^2/NDF :2826430.3/24

Right Out: 0.033+/-0.000 χ^2/NDF : 3080799.9/18

Left In: 0.013+/-0.000 χ^2/NDF :1968206.9/22

Left: 0.013+/-0.000 χ^2/NDF : 4798751.1/47

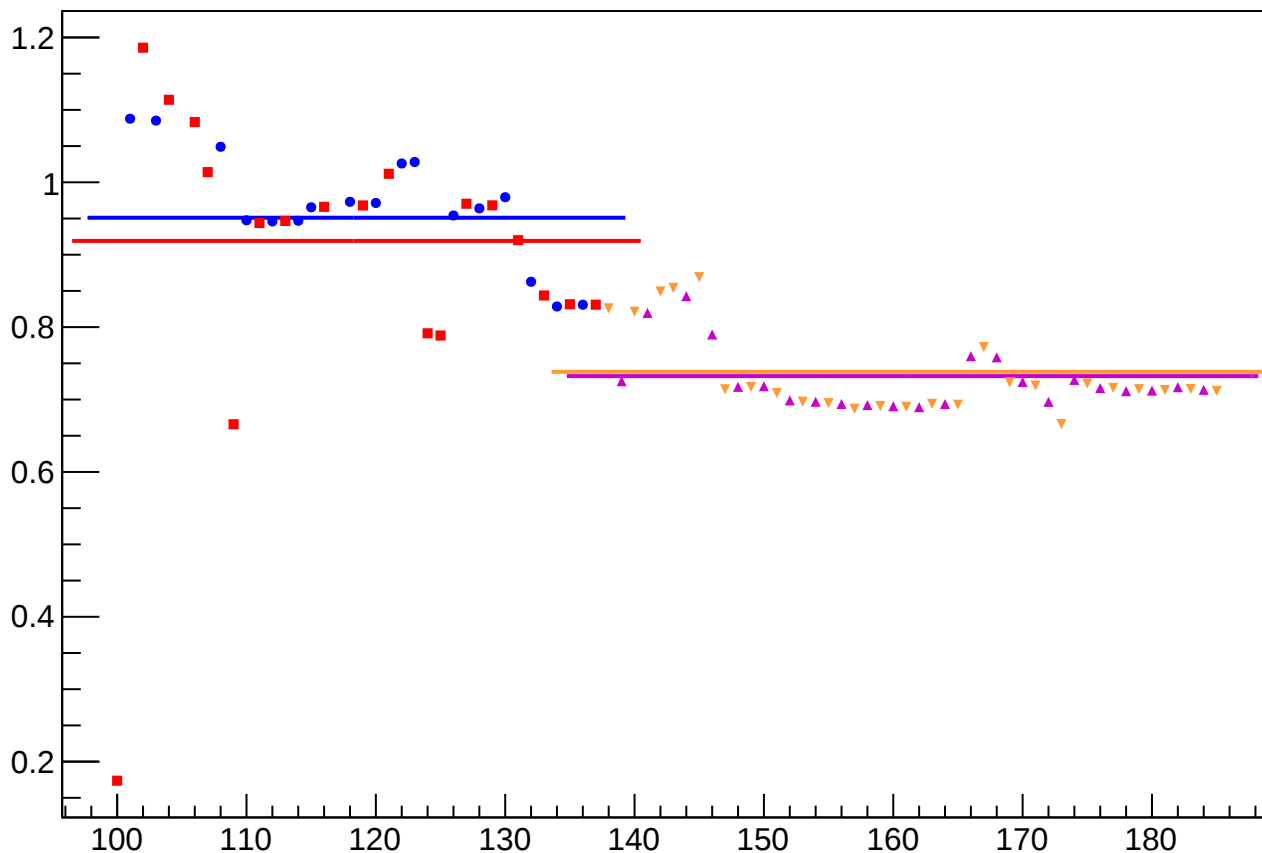
Right: 0.031+/-0.000 χ^2/NDF : 6101828.7/35

In: 0.014+/-0.000 χ^2/NDF :6906478.4/39

Out: 0.014+/-0.000 χ^2/NDF :8525579.7/43

All: 0.014+/-0.000 χ^2/NDF : 15439498.3/83

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.951 $\pm$ 0.000 χ^2 /NDF: 174262904.5/16

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF:310602574.3/24

Right Out: 0.919 $\pm$ 0.000 χ^2 /NDF: 374649317.1/18

Left In: 0.732 $\pm$ 0.000 χ^2 /NDF:170806298.1/22

Left: 0.735 $\pm$ 0.000 χ^2 /NDF: 482859790.5/47

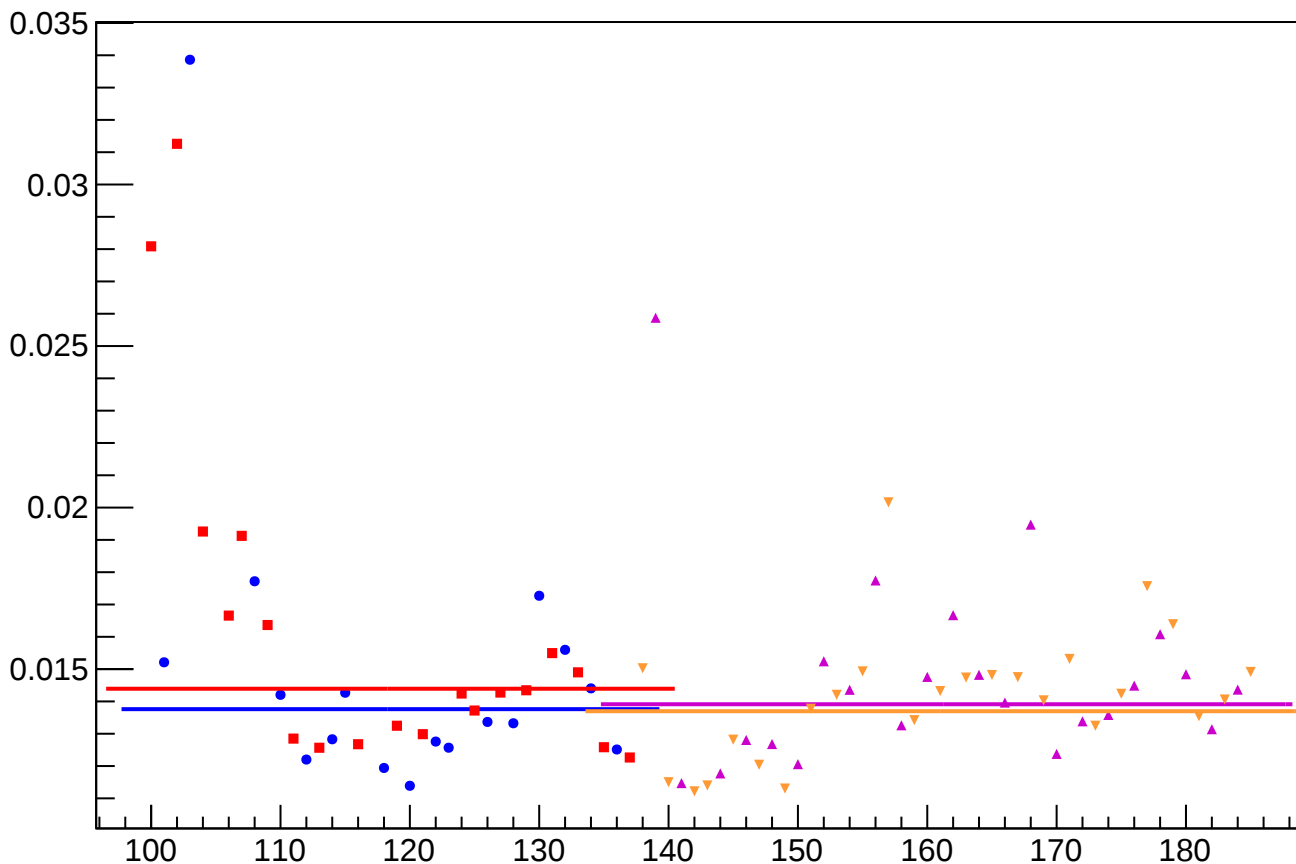
Right: 0.935 $\pm$ 0.000 χ^2 /NDF: 564130452.3/35

In: 0.792 $\pm$ 0.000 χ^2 /NDF:1397401956.9/39

Out: 0.784 $\pm$ 0.000 χ^2 /NDF:1399420197.1/43

All: 0.788 $\pm$ 0.000 χ^2 /NDF: 2800698899.4/83

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 538388.7/16

Left Out: 0.014 $\pm$ 0.000 χ^2/NDF : 530747.6/24

Right Out: 0.014 $\pm$ 0.000 χ^2/NDF : 504068.1/18

Left In: 0.014 $\pm$ 0.000 χ^2/NDF : 794558.0/22

Left: 0.014 $\pm$ 0.000 χ^2/NDF : 1329180.7/47

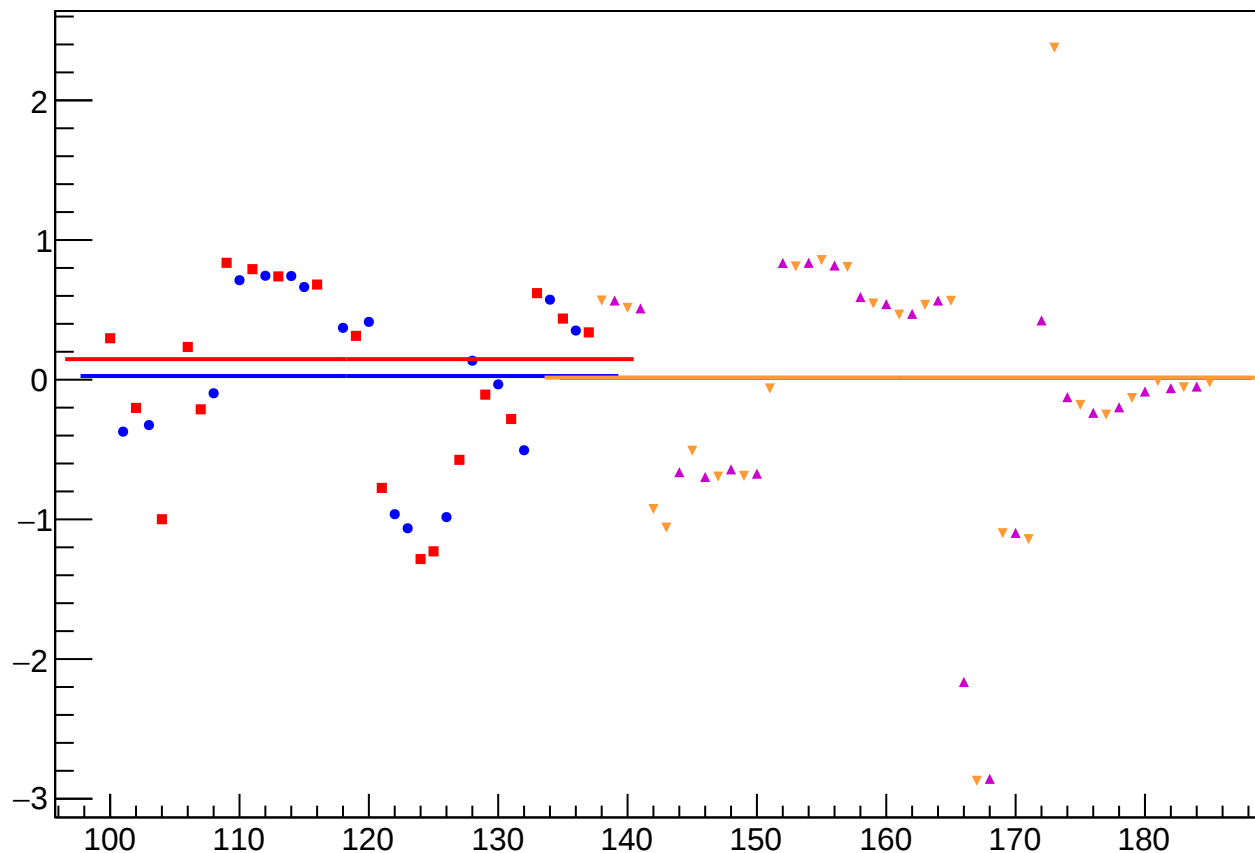
Right: 0.014 $\pm$ 0.000 χ^2/NDF : 1054350.5/35

In: 0.014 $\pm$ 0.000 χ^2/NDF : 1333964.0/39

Out: 0.014 $\pm$ 0.000 χ^2/NDF : 1055972.7/43

All: 0.014 $\pm$ 0.000 χ^2/NDF : 2389937.0/83

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 6307097032.6/16

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 96086267972.4/24

Right Out: 0.147 $\pm$ 0.000 χ^2 /NDF: 12778628282.5/18

Left In: 0.013 $\pm$ 0.000 χ^2 /NDF: 79445696658.6/22

Left: 0.014 $\pm$ 0.000 χ^2 /NDF: 175532159137.6/47

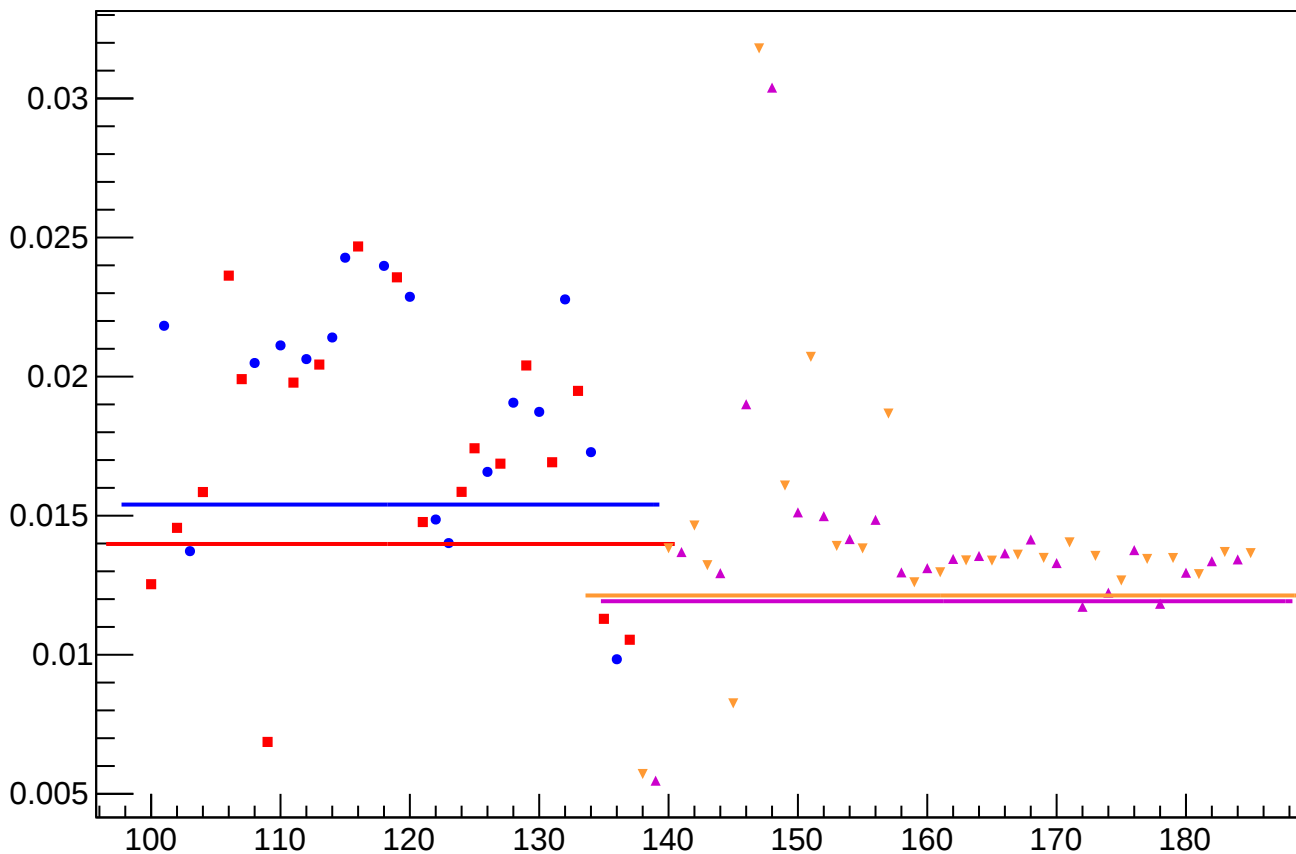
Right: 0.092 $\pm$ 0.000 χ^2 /NDF: 19274169233.1/35

In: 0.015 $\pm$ 0.000 χ^2 /NDF: 85756127201.7/39

Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 109259909937.9/43

All: 0.029 $\pm$ 0.000 χ^2 /NDF: 195064426913.0

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1140025.0/16

Left Out: 0.012+/-0.000 χ^2/NDF : 3118538.8/24

Right Out: 0.014+/-0.000 χ^2/NDF : 1557209.7/18

Left In: 0.012+/-0.000 χ^2/NDF : 3105948.8/22

Left: 0.012+/-0.000 χ^2/NDF : 6229097.3/47

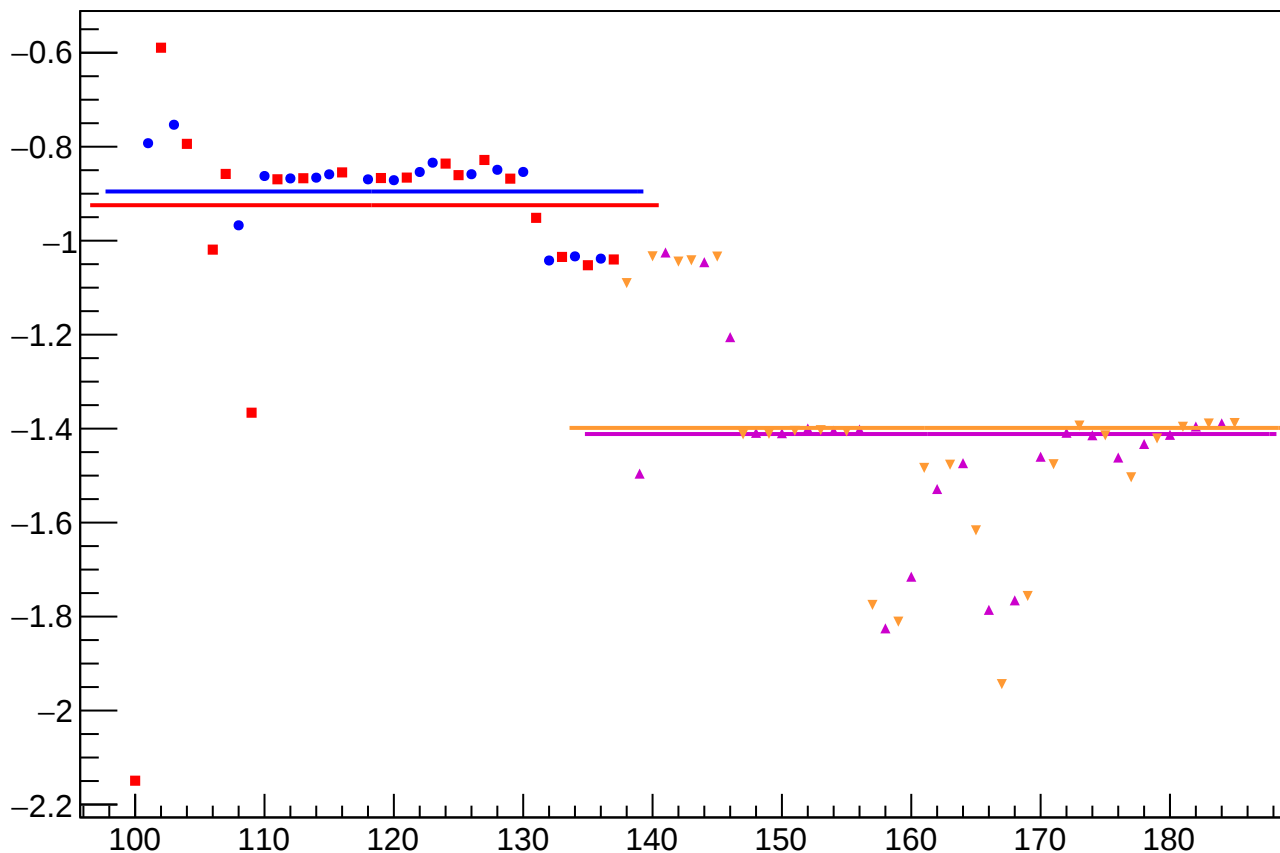
Right: 0.015+/-0.000 χ^2/NDF : 2749005.6/35

In: 0.013+/-0.000 χ^2/NDF : 4711247.1/39

Out: 0.013+/-0.000 χ^2/NDF : 4830803.3/43

All: 0.013+/-0.000 χ^2/NDF : 9542250.3/83

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.895+/-0.000 χ^2/NDF : 37924701.6/16

Left Out: -1.398+/-0.000 χ^2/NDF : 734579591.2/24

Right Out: -0.925+/-0.000 χ^2/NDF : 128433305.9/18

Left In: -1.412+/-0.000 χ^2/NDF : 512629872.4/22

Left: -1.405+/-0.000 χ^2/NDF : 1248269009.1/47

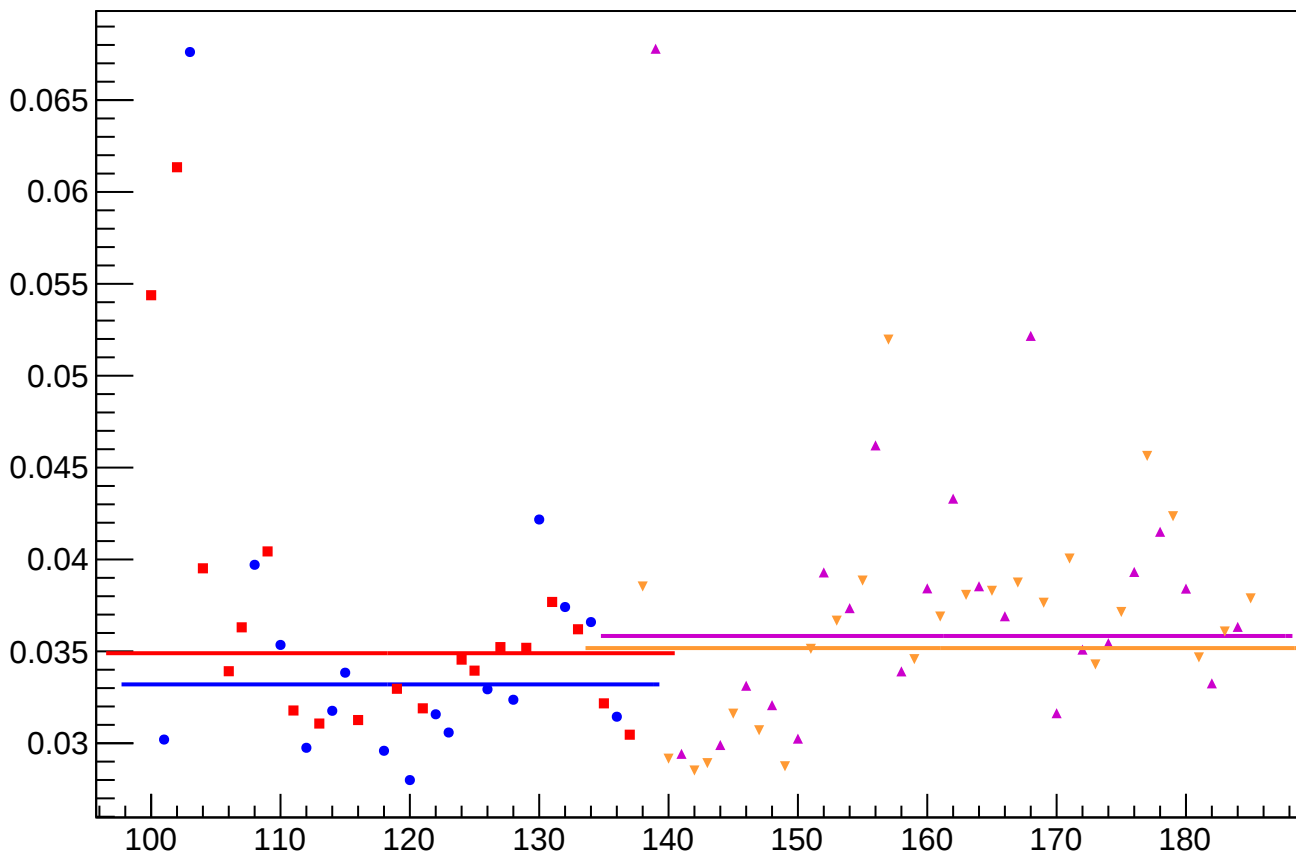
Right: -0.910+/-0.000 χ^2/NDF : 168551871.0/35

In: -1.254+/-0.000 χ^2/NDF : 1523968599.9/39

Out: -1.266+/-0.000 χ^2/NDF : 1677570499.6/43

All: -1.260+/-0.000 χ^2/NDF : 3202812613.2/8

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 399489.1/16

Left Out: 0.035+/-0.000 χ^2/NDF : 597778.9/24

Right Out: 0.035+/-0.000 χ^2/NDF : 275503.7/18

Left In: 0.036+/-0.000 χ^2/NDF : 890993.5/22

Left: 0.035+/-0.000 χ^2/NDF : 1494185.8/47

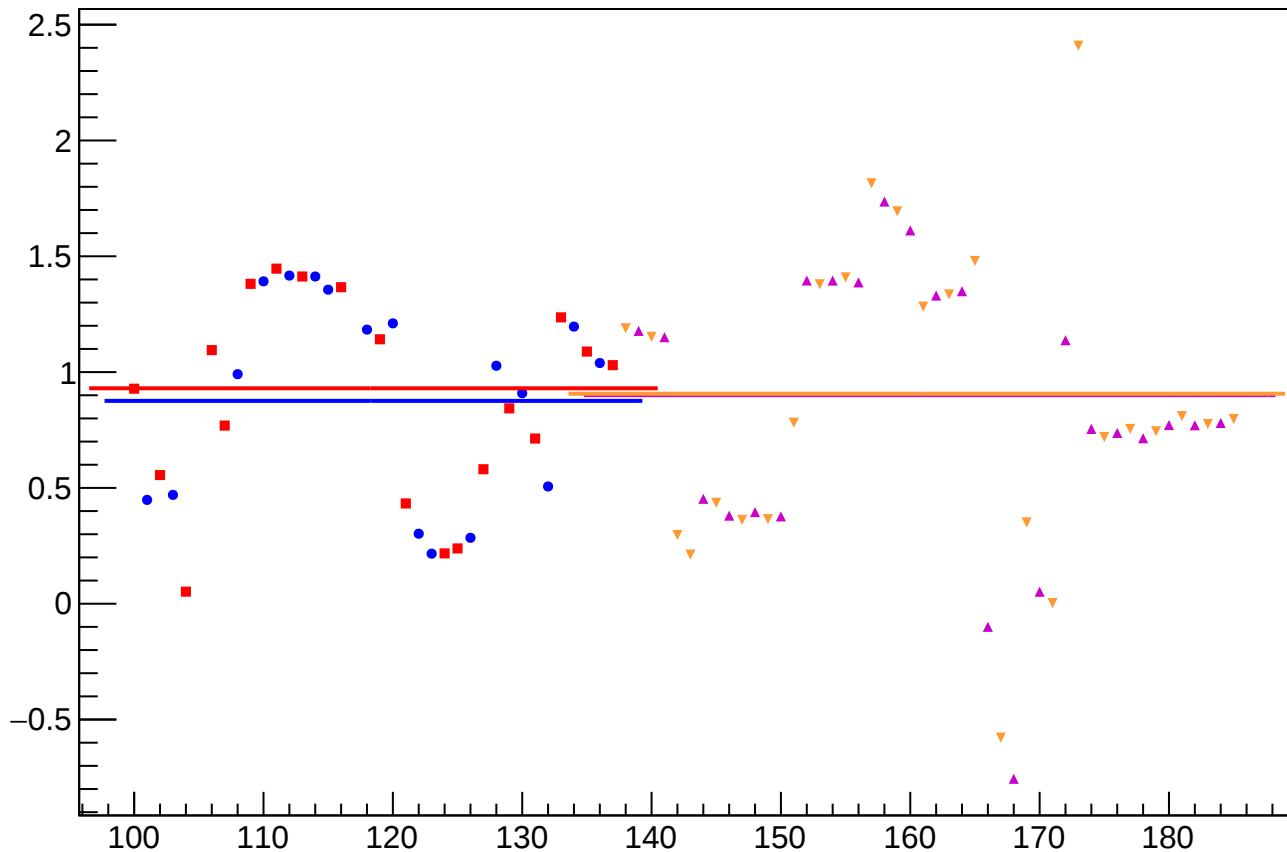
Right: 0.034+/-0.000 χ^2/NDF : 689800.6/35

In: 0.035+/-0.000 χ^2/NDF : 1341218.2/39

Out: 0.035+/-0.000 χ^2/NDF : 873847.1/43

All: 0.035+/-0.000 χ^2/NDF : 2215143.5/83

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.876+/-0.000 χ^2/NDF : 6459481069.8/16

Left Out: 0.907+/-0.000 χ^2/NDF : 84101729210.1/24

Right Out: 0.930+/-0.000 χ^2/NDF : 9956405982.6/18

Left In: 0.901+/-0.000 χ^2/NDF : 66932223067.8/22

Left: 0.904+/-0.000 χ^2/NDF : 151037820120.1/47

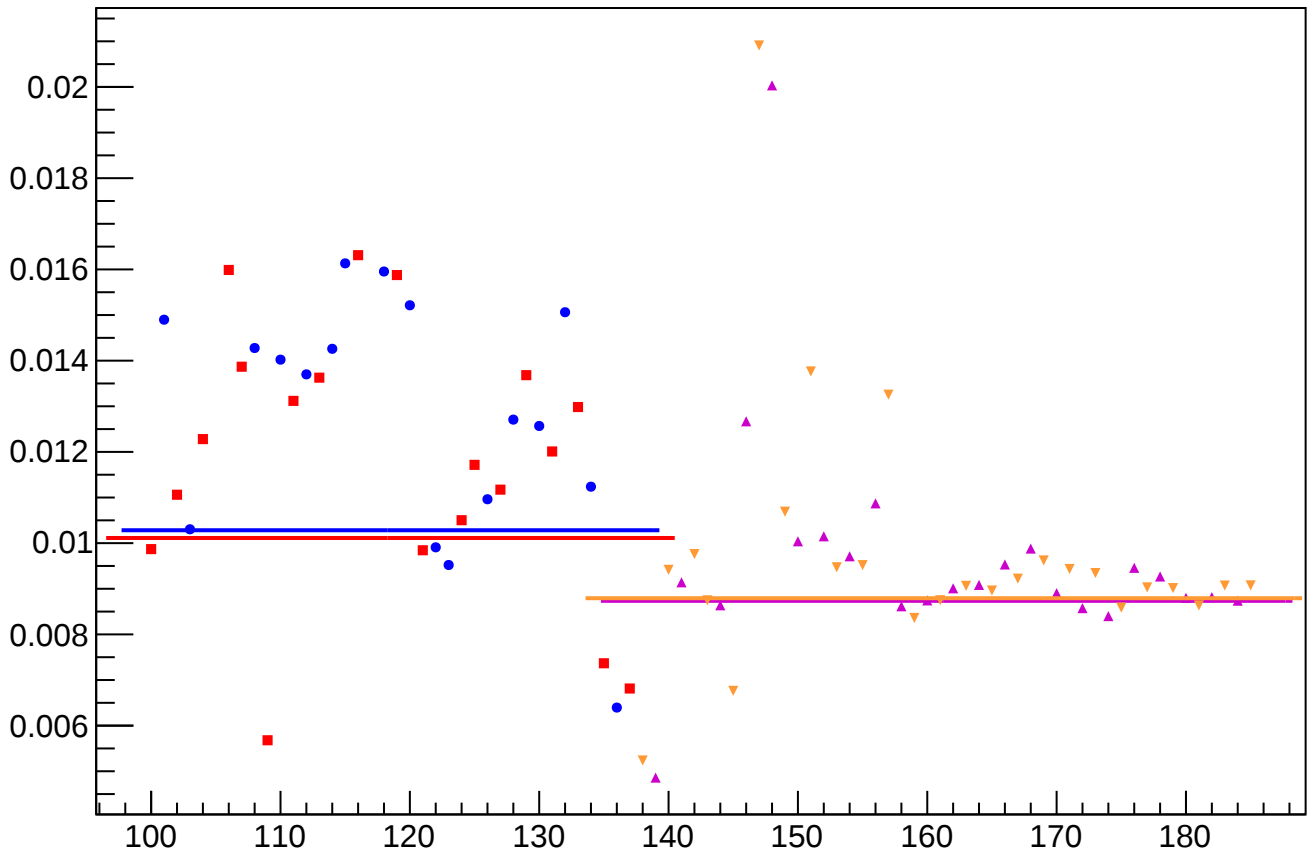
Right: 0.904+/-0.000 χ^2/NDF : 16496180845.3/35

In: 0.896+/-0.000 χ^2/NDF : 73417350193.7/39

Out: 0.911+/-0.000 χ^2/NDF : 94083027604.1/43

All: 0.904+/-0.000 χ^2/NDF : 167534015979.3

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2/NDF : 1205873.2/16

Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 1699742.3/24

Right Out: 0.010 $\pm$ 0.000 χ^2/NDF : 1173455.7/18

Left In: 0.009 $\pm$ 0.000 χ^2/NDF : 1669983.7/22

Left: 0.009 $\pm$ 0.000 χ^2/NDF : 3370419.4/47

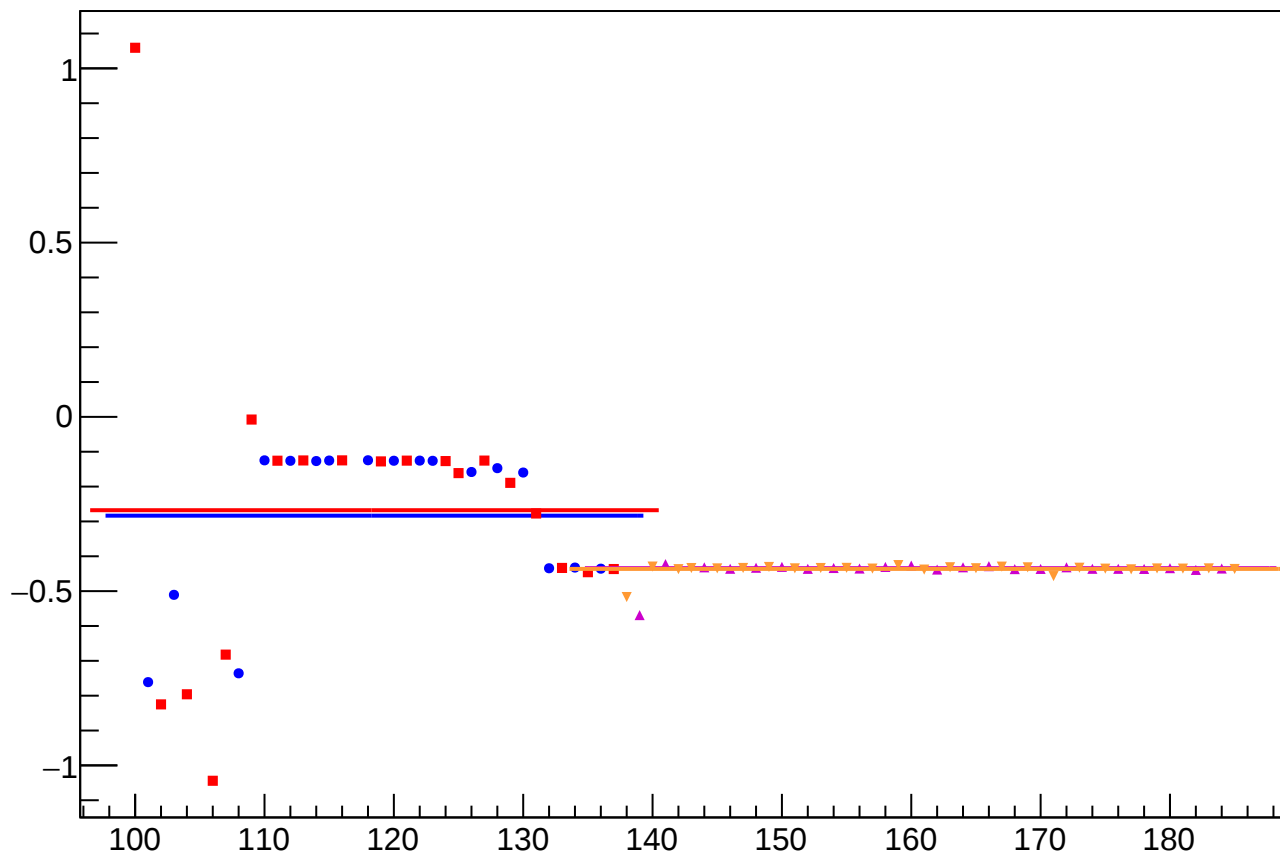
Right: 0.010 $\pm$ 0.000 χ^2/NDF : 2380897.7/35

In: 0.009 $\pm$ 0.000 χ^2/NDF : 3075888.5/39

Out: 0.009 $\pm$ 0.000 χ^2/NDF : 3030550.8/43

All: 0.009 $\pm$ 0.000 χ^2/NDF : 6106531.7/83

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.283+/-0.000 χ^2/NDF : 894148140.5/16

Left Out: -0.436+/-0.000 χ^2/NDF : 28776648.3/24

Right Out: -0.268+/-0.000 χ^2/NDF : 965641428.6/18

Left In: -0.434+/-0.000 χ^2/NDF : 20164730.3/22

Left: -0.435+/-0.000 χ^2/NDF : 49321142.5/47

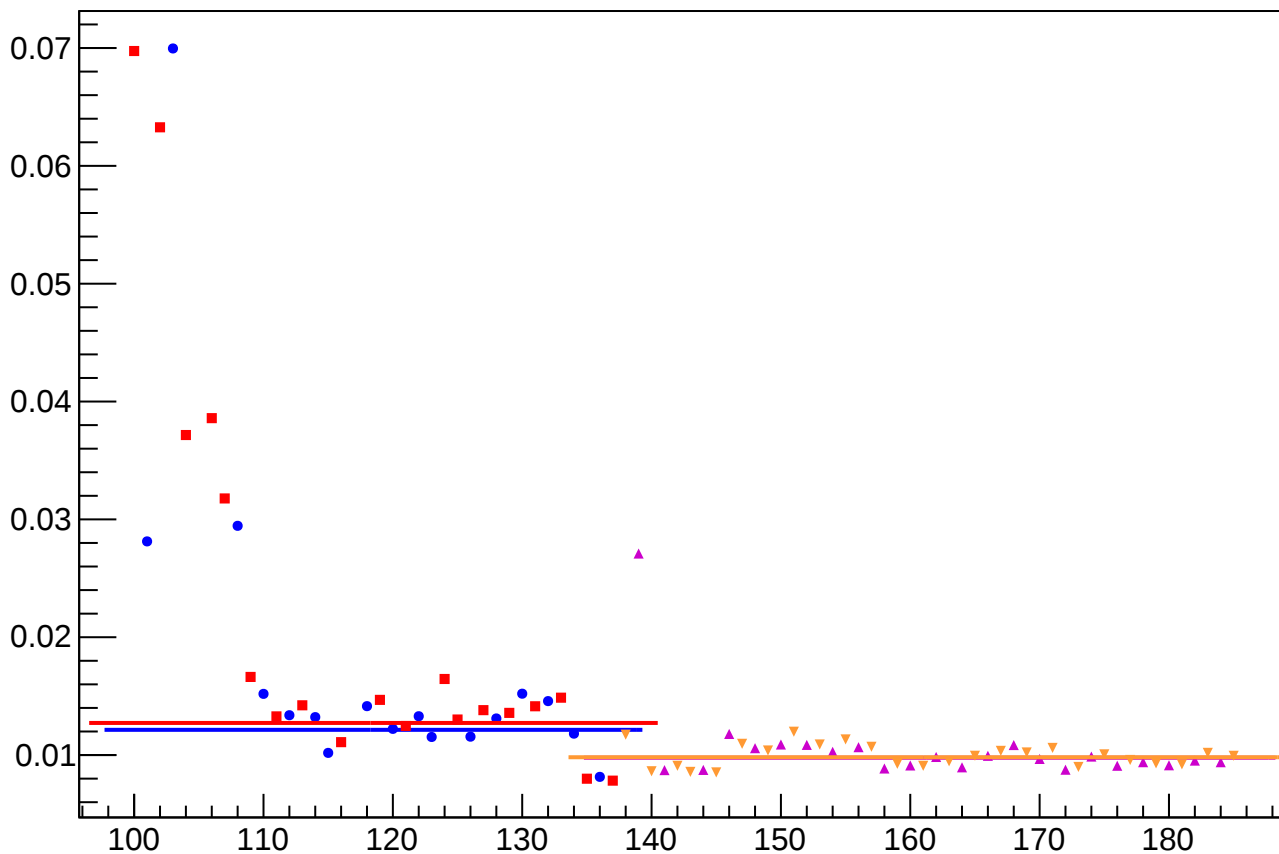
Right: -0.276+/-0.000 χ^2/NDF : 1863547180.1/35

In: -0.408+/-0.000 χ^2/NDF : 1506676334.4/39

Out: -0.410+/-0.000 χ^2/NDF : 1707608542.2/43

All: -0.409+/-0.000 χ^2/NDF : 3214591567.3/8

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1720286.9/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:270995.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1968271.3/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:786577.8/22

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 1057851.8/47

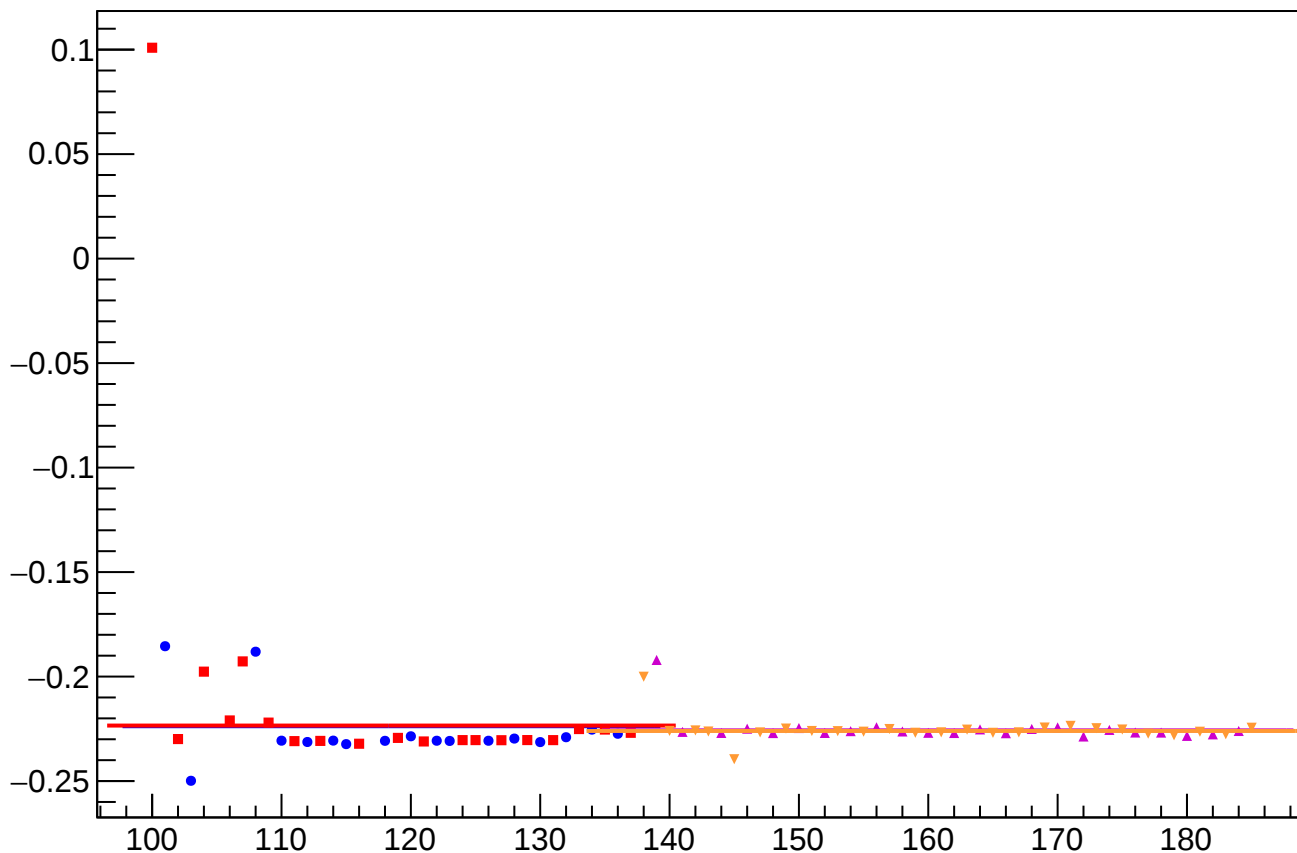
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3699016.9/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF:2800039.0/39

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:2665377.1/43

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5466895.8/83

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224 ± 0.000 χ^2/NDF : 74201194.4/16

Left Out: -0.226 ± 0.000 χ^2/NDF : 21204546.2/24

Right Out: -0.223 ± 0.000 χ^2/NDF : 167794506.7/18

Left In: -0.226 ± 0.000 χ^2/NDF : 13717302.5/22

Left: -0.226 ± 0.000 χ^2/NDF : 34948281.9/47

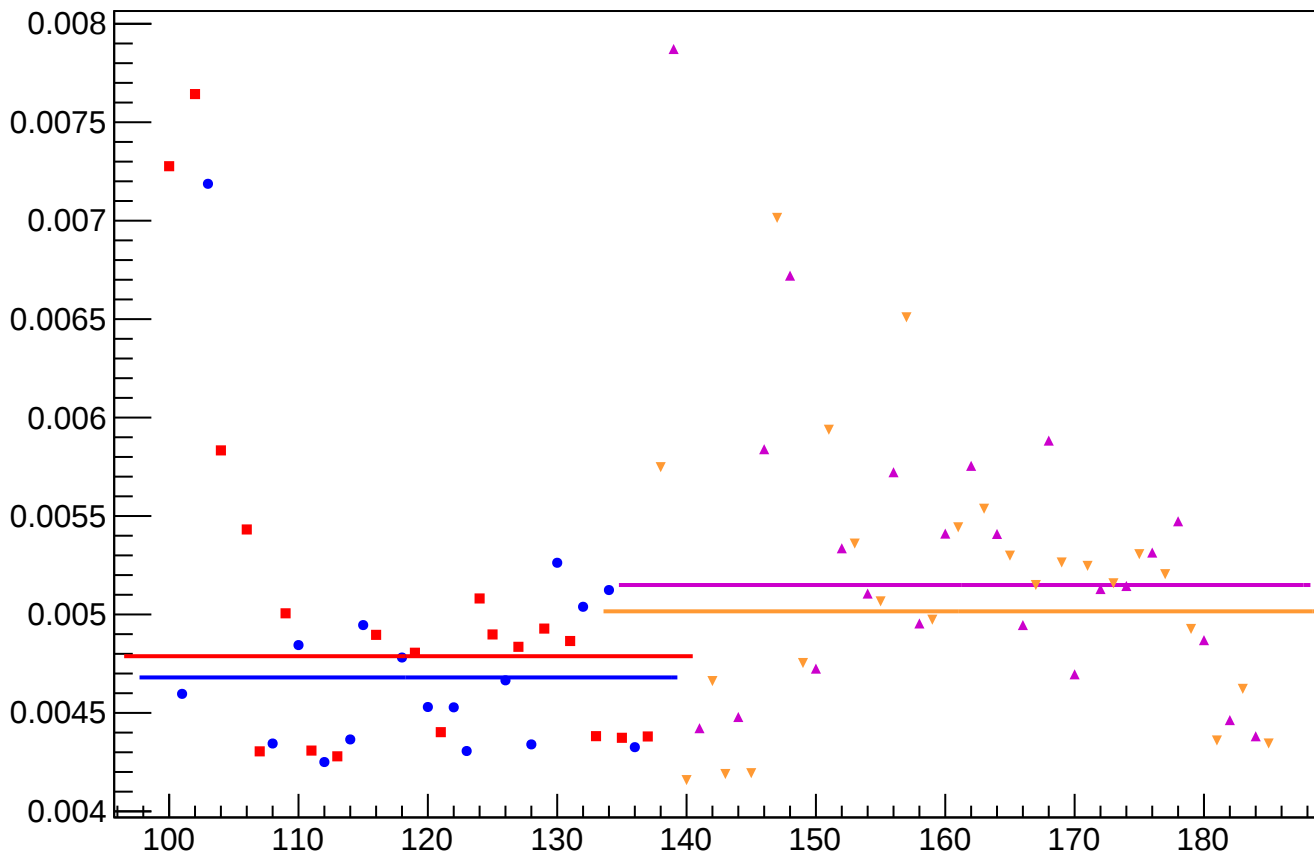
Right: -0.224 ± 0.000 χ^2/NDF : 242009294.1/35

In: -0.225 ± 0.000 χ^2/NDF : 88656187.0/39

Out: -0.225 ± 0.000 χ^2/NDF : 190309841.0/43

All: -0.225 ± 0.000 χ^2/NDF : 278975976.3/83

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 180080.7/16

Left Out: 0.005+/-0.000 χ^2/NDF : 532847.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 248599.9/18

Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

Left: 0.005+/-0.000 χ^2/NDF : 1048512.7/47

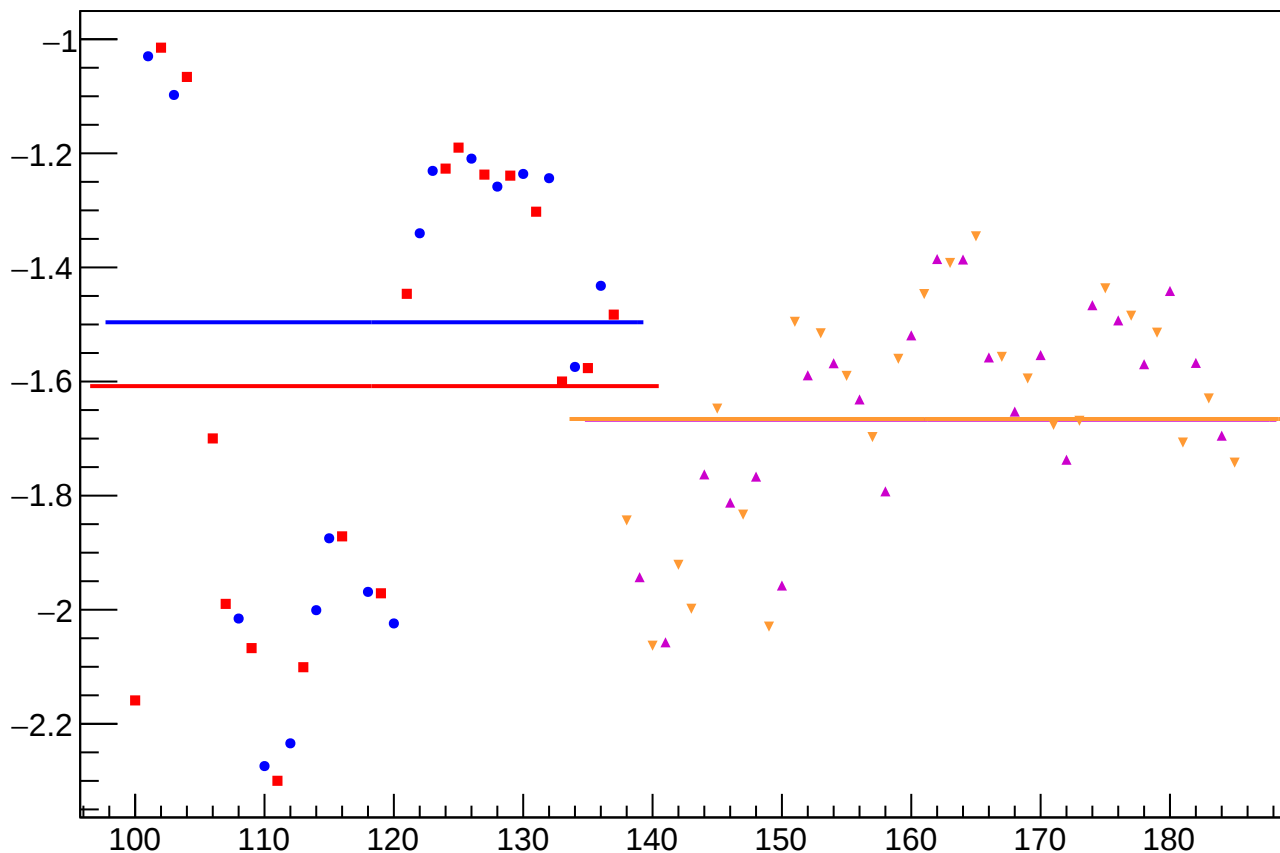
Right: 0.005+/-0.000 χ^2/NDF : 431873.8/35

In: 0.005+/-0.000 χ^2/NDF : 767408.5/39

Out: 0.005+/-0.000 χ^2/NDF : 801981.1/43

All: 0.005+/-0.000 χ^2/NDF : 1572284.8/83

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496 ± 0.000 $\chi^2/\text{NDF}: 22454192322.7/16$

Left Out: -1.666 ± 0.000 $\chi^2/\text{NDF}: 18367836302.3/24$

Right Out: -1.608 ± 0.000 $\chi^2/\text{NDF}: 27842216222.3/18$

Left In: -1.667 ± 0.000 $\chi^2/\text{NDF}: 14615453869.3/22$

Left: -1.666 ± 0.000 $\chi^2/\text{NDF}: 32983618995.2/47$

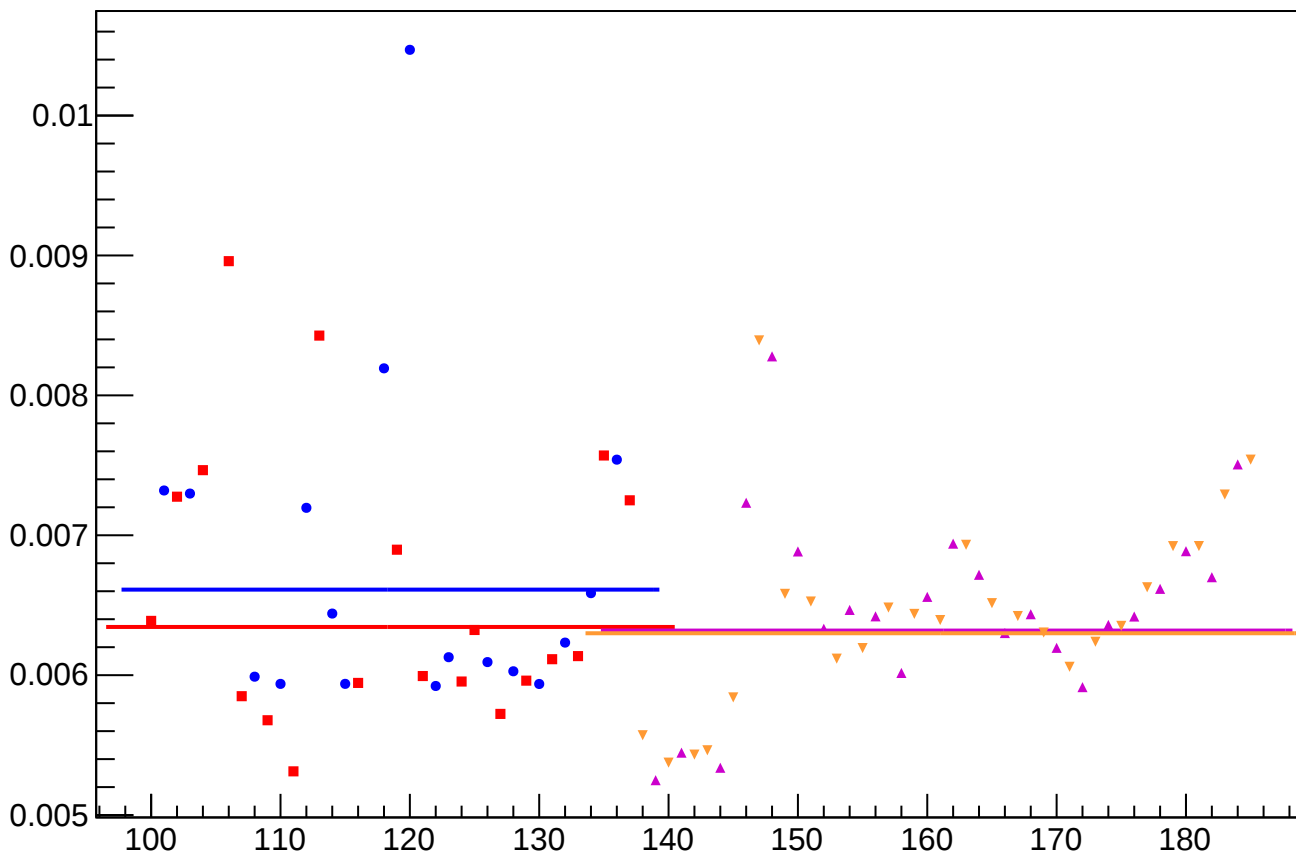
Right: -1.557 ± 0.000 $\chi^2/\text{NDF}: 51233549313.5/35$

In: -1.624 ± 0.000 $\chi^2/\text{NDF}: 40090344894.2/39$

Out: -1.650 ± 0.000 $\chi^2/\text{NDF}: 46605797558.9/43$

All: -1.638 ± 0.000 $\chi^2/\text{NDF}: 86890630737.5/77$

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 199824.5/16

Left Out: 0.006+/-0.000 χ^2/NDF : 313232.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 228249.0/18

Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

Left: 0.006+/-0.000 χ^2/NDF : 647722.7/47

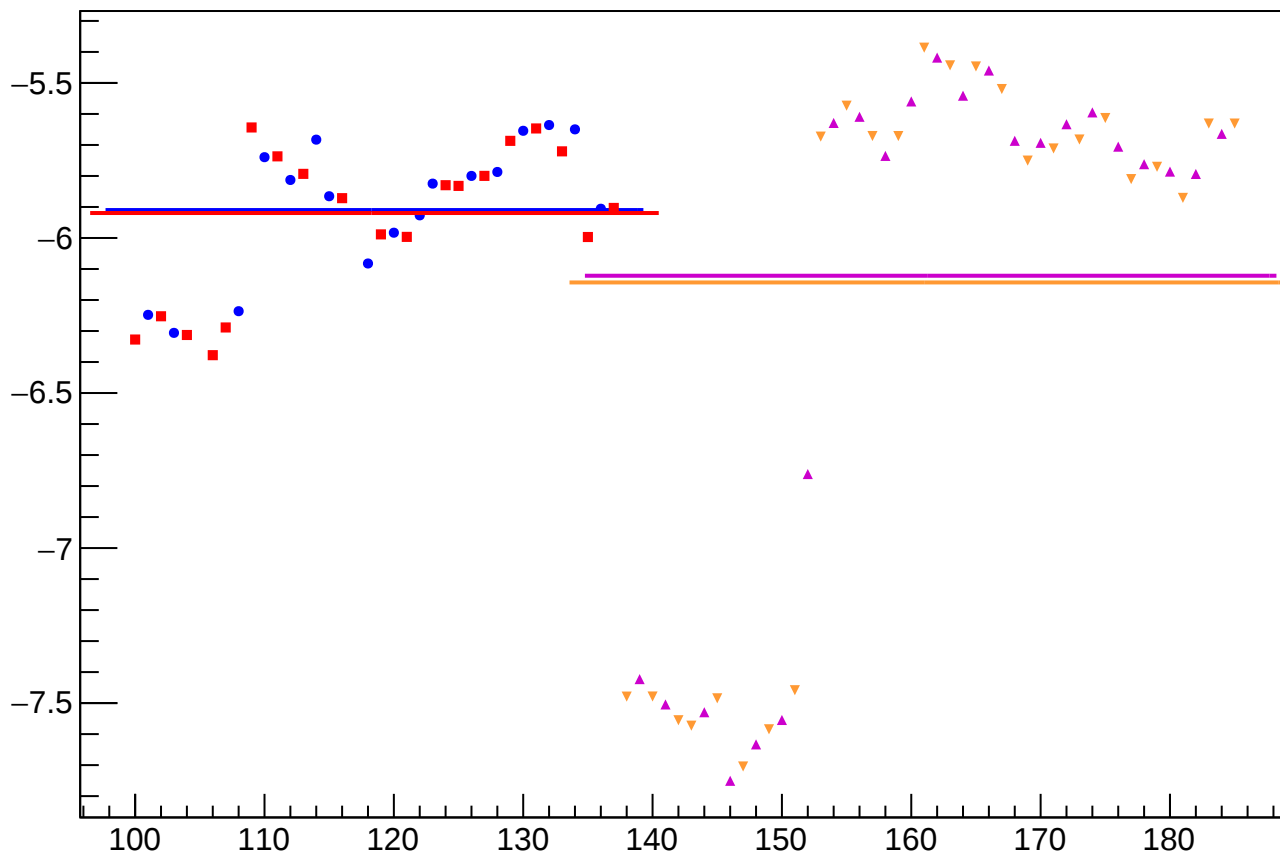
Right: 0.006+/-0.000 χ^2/NDF : 438730.8/35

In: 0.006+/-0.000 χ^2/NDF : 551905.7/39

Out: 0.006+/-0.000 χ^2/NDF : 541965.8/43

All: 0.006+/-0.000 χ^2/NDF : 1097595.2/83

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.910+/-0.000 χ^2/NDF : 11105112836.5/16

Left Out: -6.143+/-0.000 χ^2/NDF : 185705217117.4/24

Right Out: -5.919+/-0.000 χ^2/NDF : 12816906660.3/18

Left In: -6.122+/-0.000 χ^2/NDF : 159909473006.6/22

Left: -6.133+/-0.000 χ^2/NDF : 345674007954.1/47

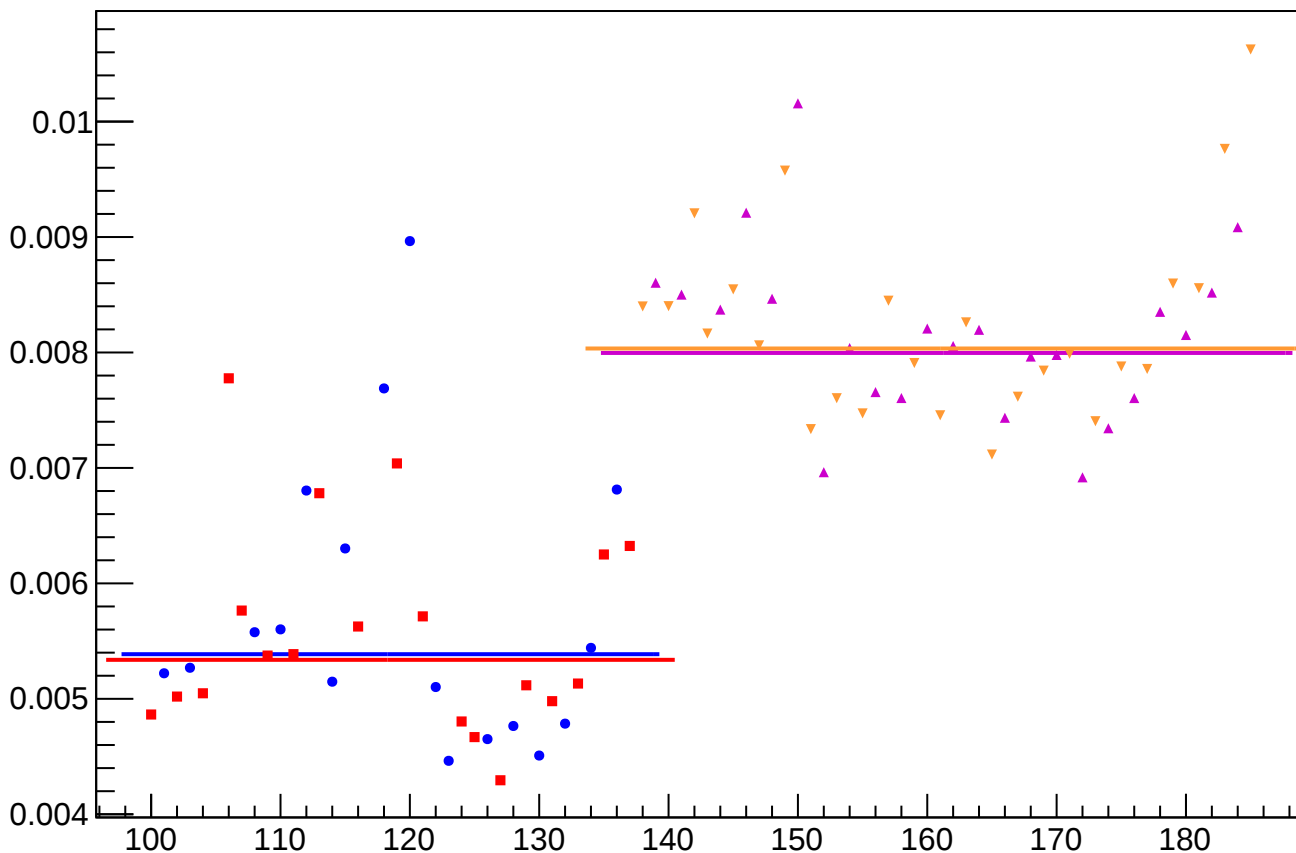
Right: -5.915+/-0.000 χ^2/NDF : 23931726367.2/35

In: -6.027+/-0.000 χ^2/NDF : 176009285839.8/39

Out: -6.040+/-0.000 χ^2/NDF : 204513900169.7/43

All: -6.033+/-0.000 χ^2/NDF : 380559392533.8

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 346475.5/16

Left Out: 0.008+/-0.000 χ^2/NDF : 206050.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 246912.5/18

Left In: 0.008+/-0.000 χ^2/NDF : 220203.0/22

Left: 0.008+/-0.000 χ^2/NDF : 426629.7/47

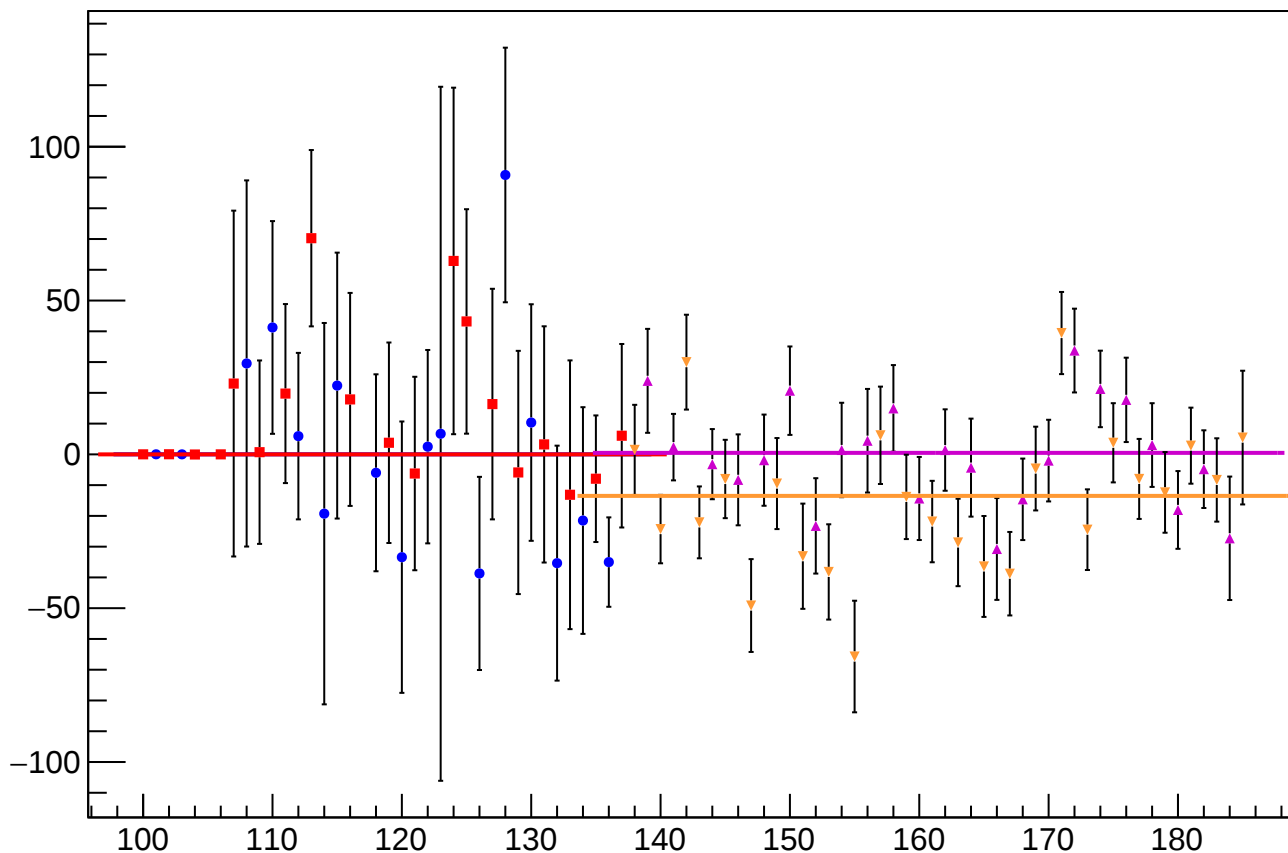
Right: 0.005+/-0.000 χ^2/NDF : 593891.3/35

In: 0.007+/-0.000 χ^2/NDF : 2082334.7/39

Out: 0.007+/-0.000 χ^2/NDF : 2191252.0/43

All: 0.007+/-0.000 χ^2/NDF : 4274565.8/83

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 16.3/16

Left Out: -13.495 $\pm$ 2.797 χ^2 /NDF: 58.5/24

Right Out: -0.003 $\pm$ 0.016 χ^2 /NDF: 14.9/18

Left In: 0.489 $\pm$ 2.905 χ^2 /NDF: 28.7/22

Left: -6.769 $\pm$ 2.015 χ^2 /NDF: 99.2/47

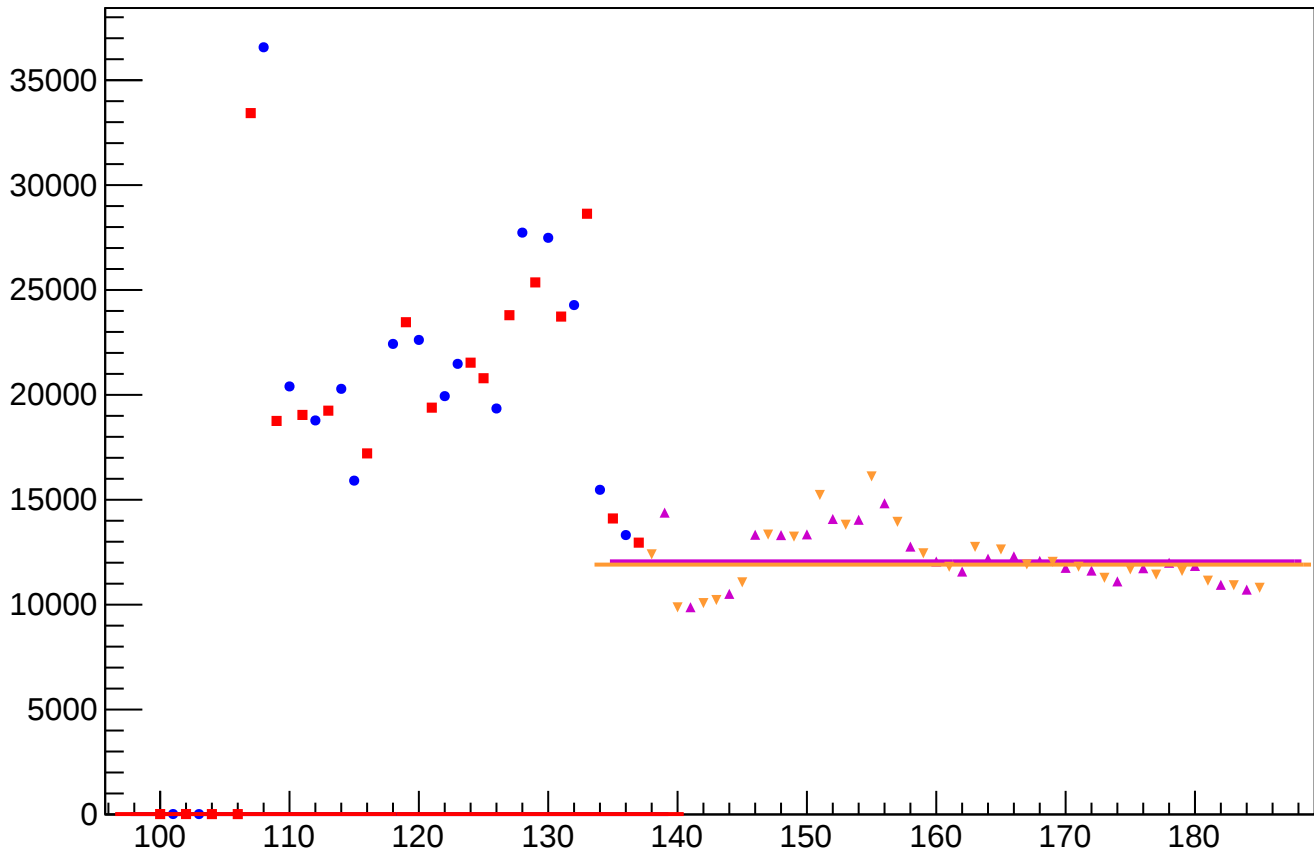
Right: 0.004 $\pm$ 0.012 χ^2 /NDF: 31.7/35

In: 0.013 $\pm$ 0.017 χ^2 /NDF: 45.0/39

Out: -0.004 $\pm$ 0.016 χ^2 /NDF: 96.7/43

All: 0.004 $\pm$ 0.012 χ^2 /NDF: 142.2/83

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.640+/-0.012 χ^2/NDF : 10799270.4/16

Left Out: 11909.733+/-1.978 χ^2/NDF : 475420.3/24

Right Out: 18.311+/-0.011 χ^2/NDF : 11056055.0/18

Left In: 12064.321+/-2.054 χ^2/NDF : 372586.0/22

Left: 11984.081+/-1.425 χ^2/NDF : 850945.3/47

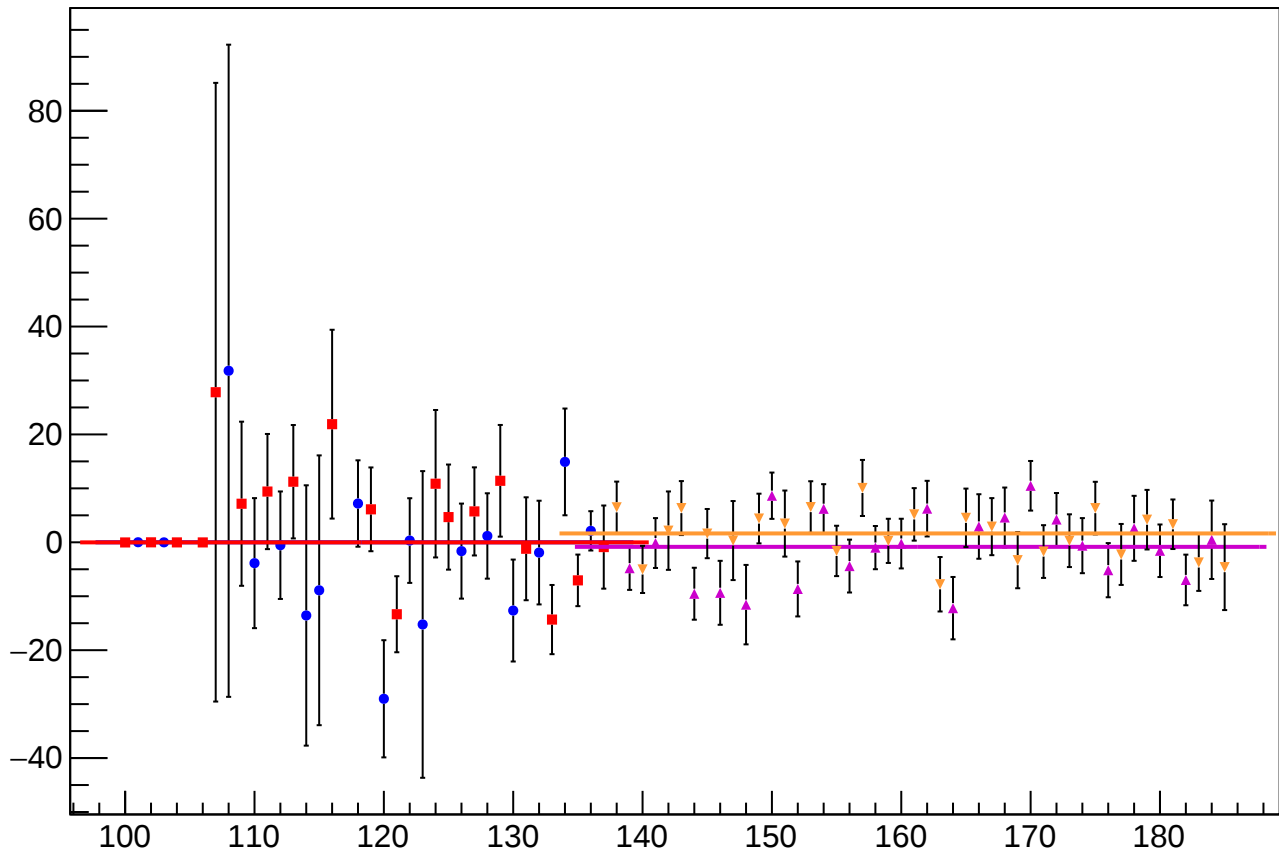
Right: 18.463+/-0.008 χ^2/NDF : 21855713.8/35

In: 19.069+/-0.012 χ^2/NDF : 45549762.6/39

Out: 18.704+/-0.011 χ^2/NDF : 47689389.4/43

All: 18.873+/-0.008 χ^2/NDF : 93239629.8/83

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2/NDF : 14.6/16

Left Out: 1.643 $\pm$ 1.021 χ^2/NDF :18.2/24

Right Out: -0.014 $\pm$ -0.009 χ^2/NDF : 18.6/18

Left In: -0.843 $\pm$ -1.043 χ^2/NDF :35.7/22

Left: 0.427 $\pm$ -0.730 χ^2/NDF : 56.8/47

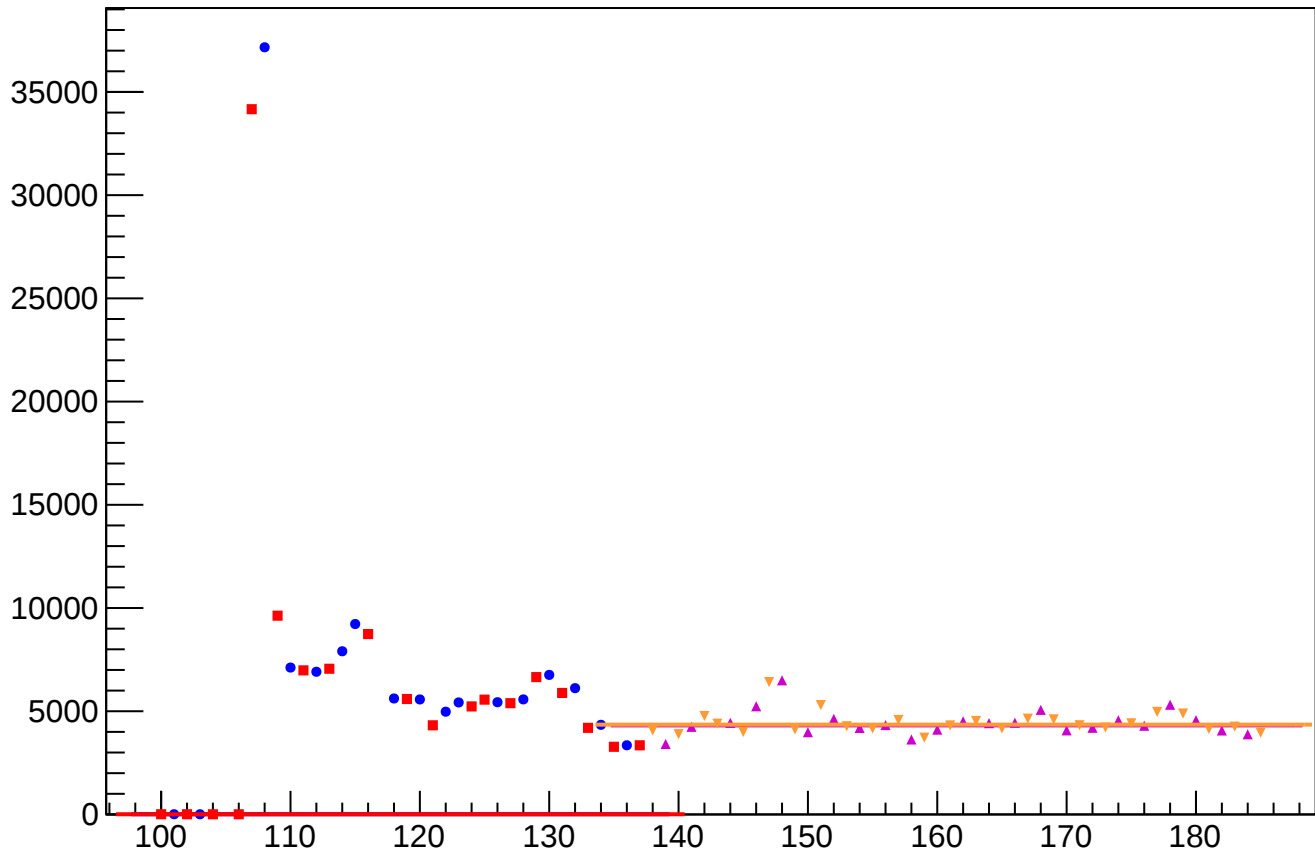
Right: -0.007 $\pm$ -0.006 χ^2/NDF : 34.6/35

In: 0.001 $\pm$ -0.009 χ^2/NDF :51.0/39

Out: -0.014 $\pm$ -0.009 χ^2/NDF :39.5/43

All: -0.007 $\pm$ -0.006 χ^2/NDF : 91.8/83

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 $\pm$ 0.007 χ^2 /NDF: 10926318.4/16

Left Out: 4350.741 $\pm$ 0.722 χ^2 /NDF:384679.3/24

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11106435.3/18

Left In: 4314.568 $\pm$ 0.738 χ^2 /NDF:534594.3/22

Left: 4333.038 $\pm$ 0.516 χ^2 /NDF: 920501.8/47

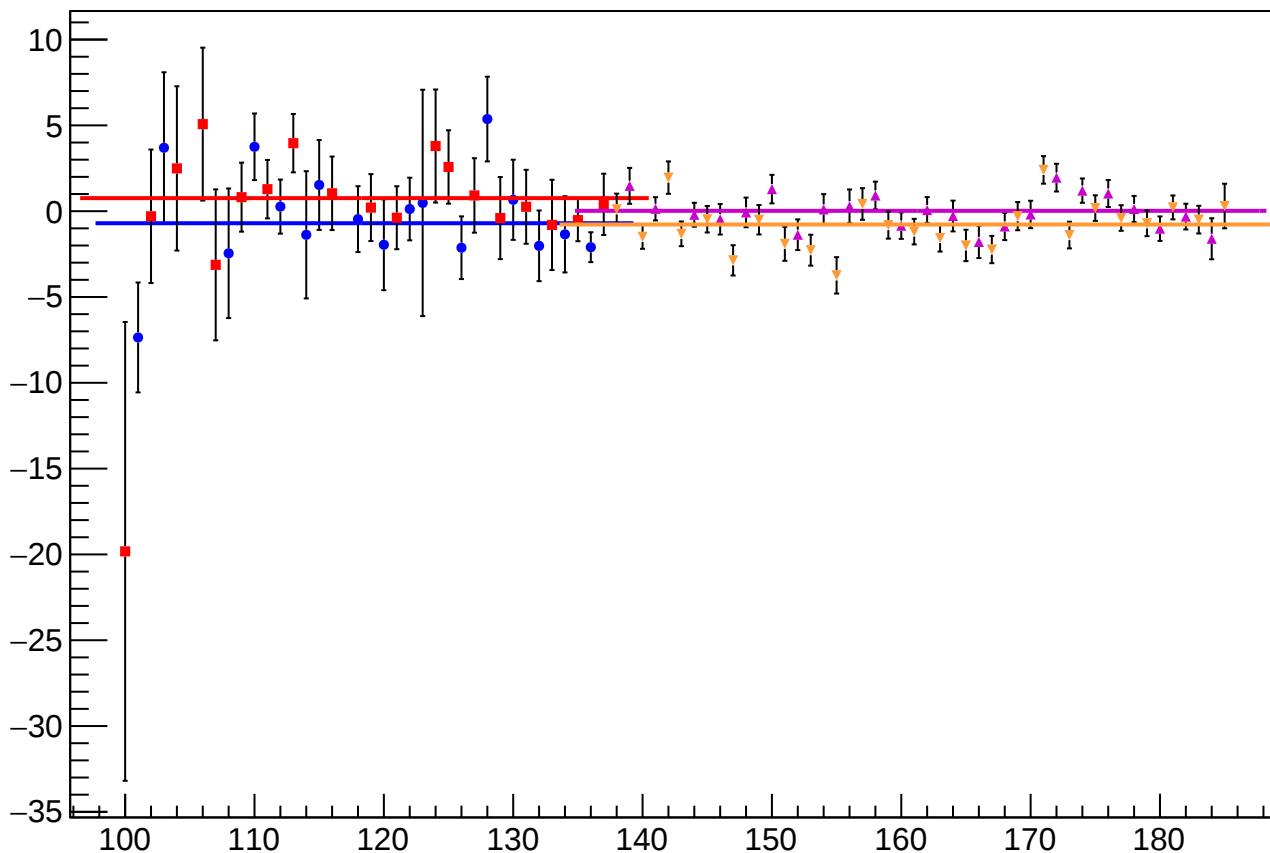
Right: 9.893 $\pm$ 0.004 χ^2 /NDF: 22032841.6/35

In: 10.273 $\pm$ 0.007 χ^2 /NDF:45522351.0/39

Out: 10.165 $\pm$ 0.006 χ^2 /NDF:47627111.1/43

All: 10.216 $\pm$ 0.004 χ^2 /NDF: 93149606.4/83

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.702 ± 0.485 $\chi^2/\text{NDF}: 22.5/16$

Left Out: -0.776 ± 0.164 $\chi^2/\text{NDF}: 58.3/24$

Right Out: 0.760 ± 0.502 $\chi^2/\text{NDF}: 11.8/18$

Left In: 0.020 ± 0.170 $\chi^2/\text{NDF}: 29.2/22$

Left: -0.391 ± 0.118 $\chi^2/\text{NDF}: 98.9/47$

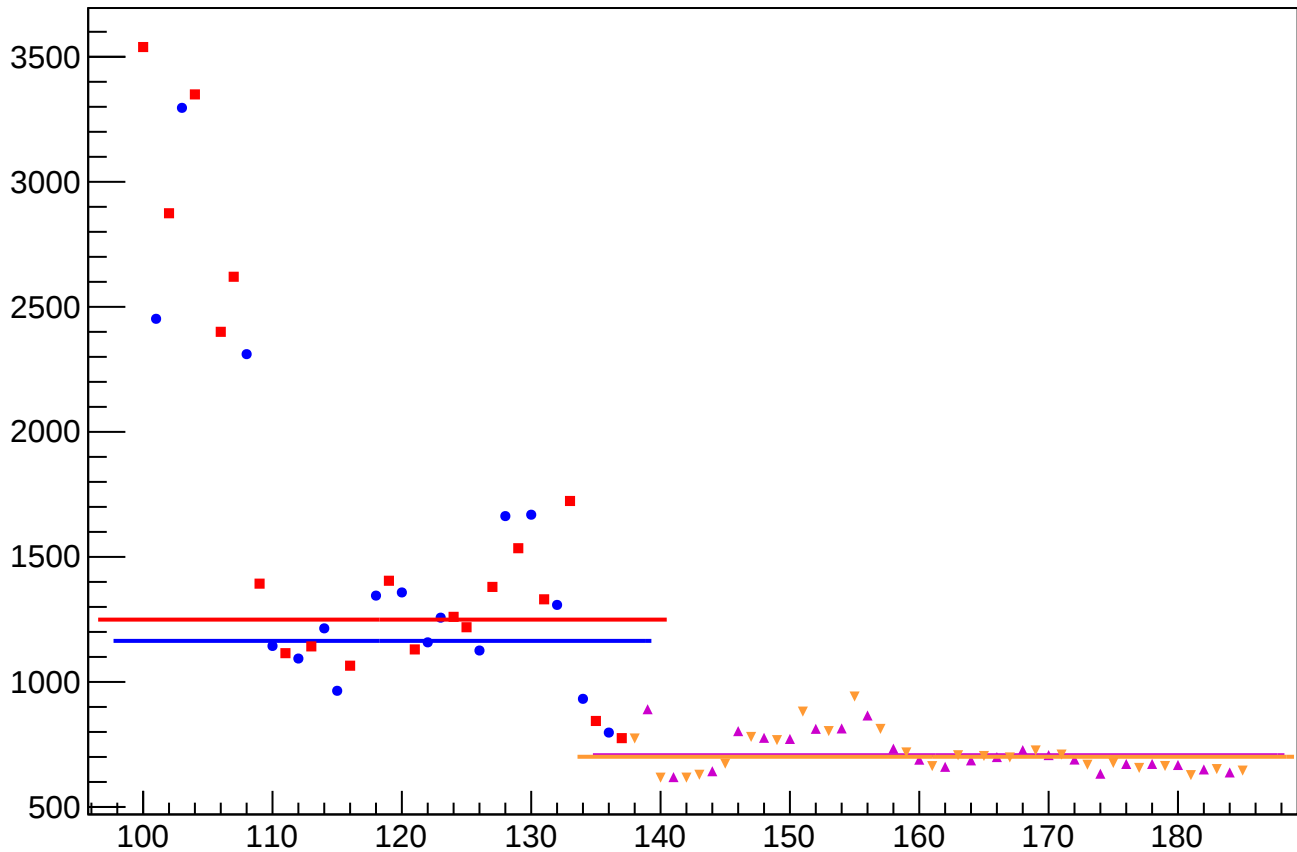
Right: 0.004 ± 0.349 $\chi^2/\text{NDF}: 38.6/35$

In: -0.059 ± 0.161 $\chi^2/\text{NDF}: 53.7/39$

Out: -0.627 ± 0.156 $\chi^2/\text{NDF}: 78.6/43$

All: -0.351 ± 0.112 $\chi^2/\text{NDF}: 138.7/83$

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.211 ± 0.343 $\chi^2/\text{NDF}: 1586062.6/16$

Left Out: 700.788 ± 0.116 $\chi^2/\text{NDF}: 392622.4/24$

Right Out: 1249.273 ± 0.355 $\chi^2/\text{NDF}: 1649434.8/18$

Left In: 706.950 ± 0.120 $\chi^2/\text{NDF}: 338177.1/22$

Left: 703.762 ± 0.084 $\chi^2/\text{NDF}: 732156.5/47$

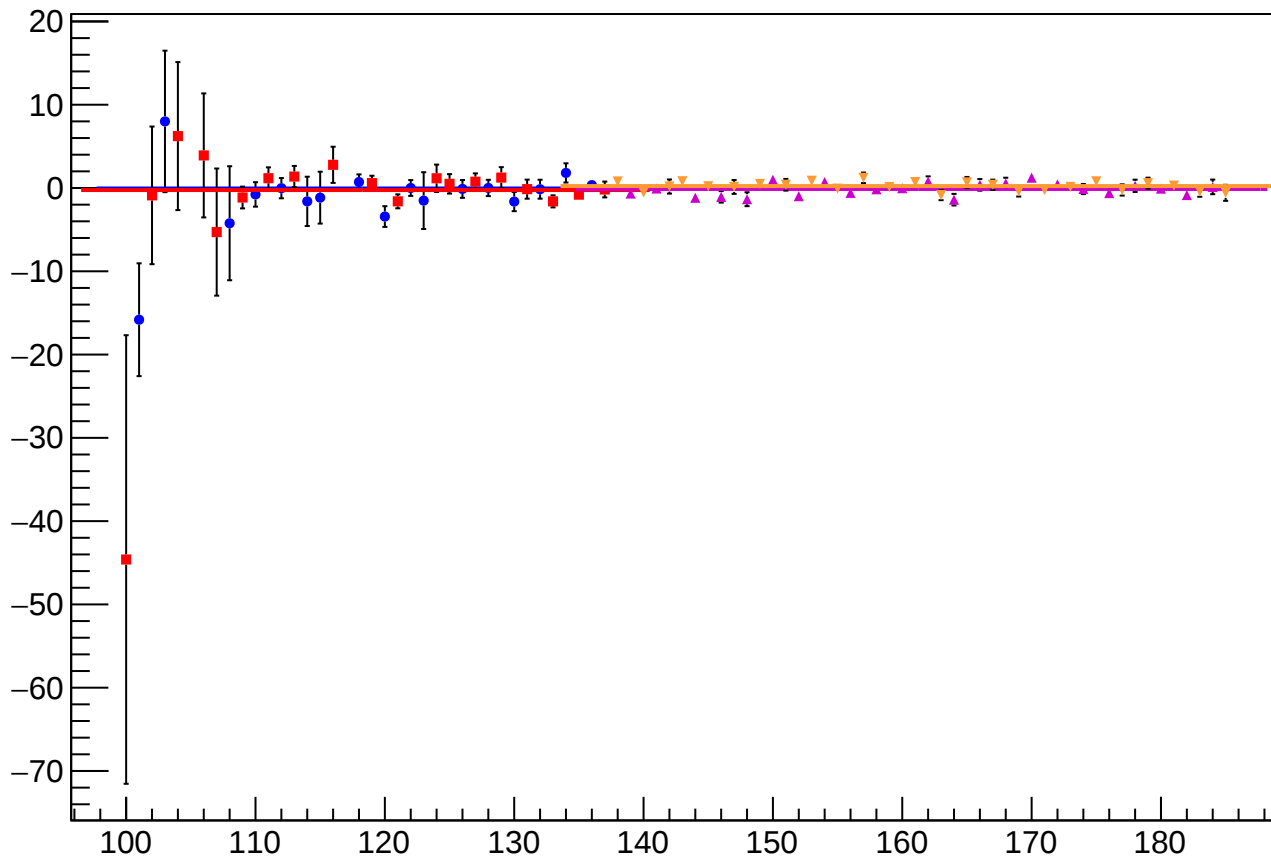
Right: 1205.271 ± 0.247 $\chi^2/\text{NDF}: 3265191.3/35$

In: 757.044 ± 0.114 $\chi^2/\text{NDF}: 3507163.5/39$

Out: 753.851 ± 0.110 $\chi^2/\text{NDF}: 4197810.5/43$

All: 755.404 ± 0.079 $\chi^2/\text{NDF}: 7705380.5/83$

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.060 ± 0.271 χ^2/NDF : 20.9/16

Left Out: 0.233 ± 0.123 χ^2/NDF : 17.9/24

Right Out: -0.245 ± 0.265 χ^2/NDF : 20.7/18

Left In: -0.115 ± 0.125 χ^2/NDF : 35.0/22

Left: 0.063 ± 0.088 χ^2/NDF : 56.8/47

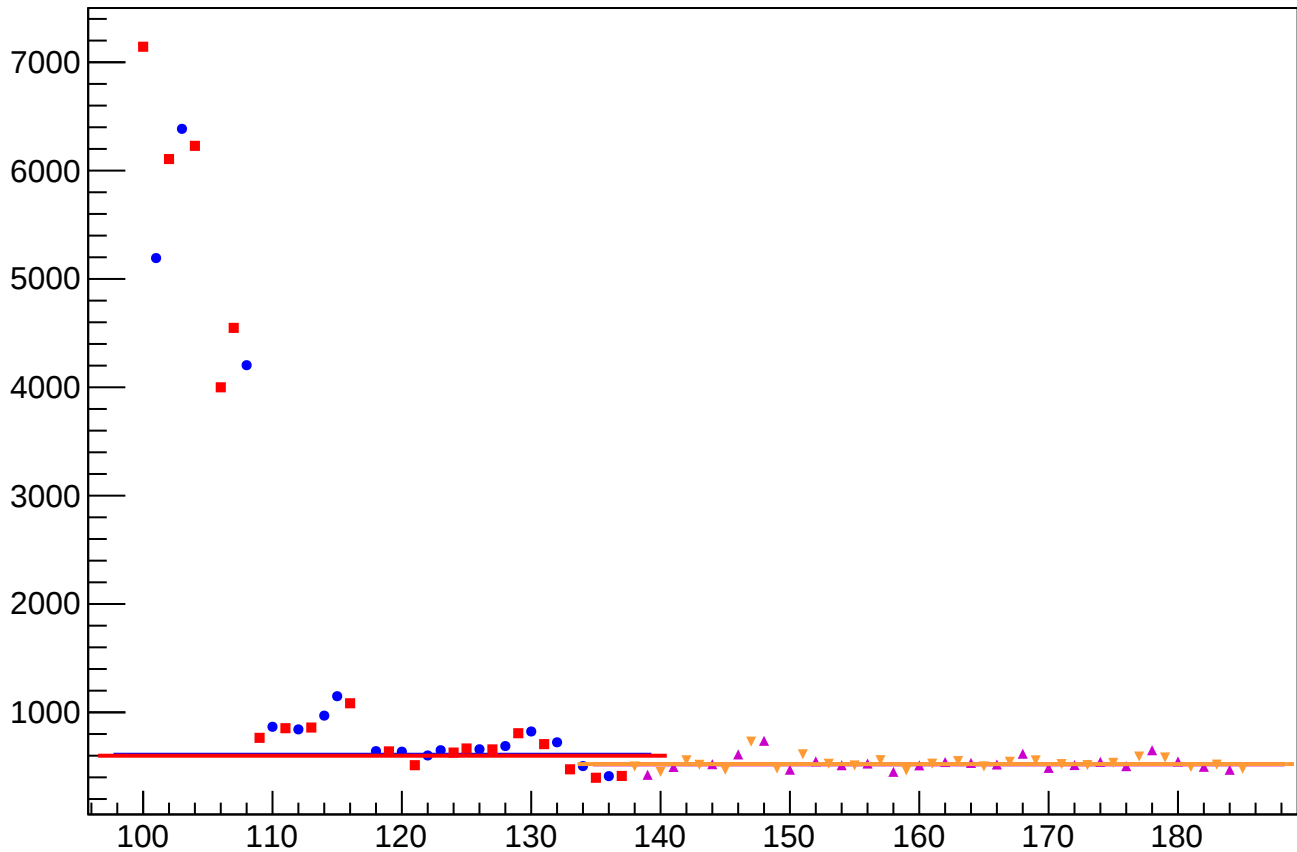
Right: -0.154 ± 0.189 χ^2/NDF : 41.9/35

In: -0.105 ± 0.114 χ^2/NDF : 55.9/39

Out: 0.149 ± 0.111 χ^2/NDF : 41.2/43

All: 0.025 ± 0.080 χ^2/NDF : 99.7/83

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 608.589+/-0.191 χ^2/NDF : 3137480.1/16

Left Out: 522.427+/-0.087 χ^2/NDF : 331559.5/24

Right Out: 599.715+/-0.187 χ^2/NDF : 3547458.7/18

Left In: 519.909+/-0.089 χ^2/NDF : 444746.3/22

Left: 521.198+/-0.062 χ^2/NDF : 776718.1/47

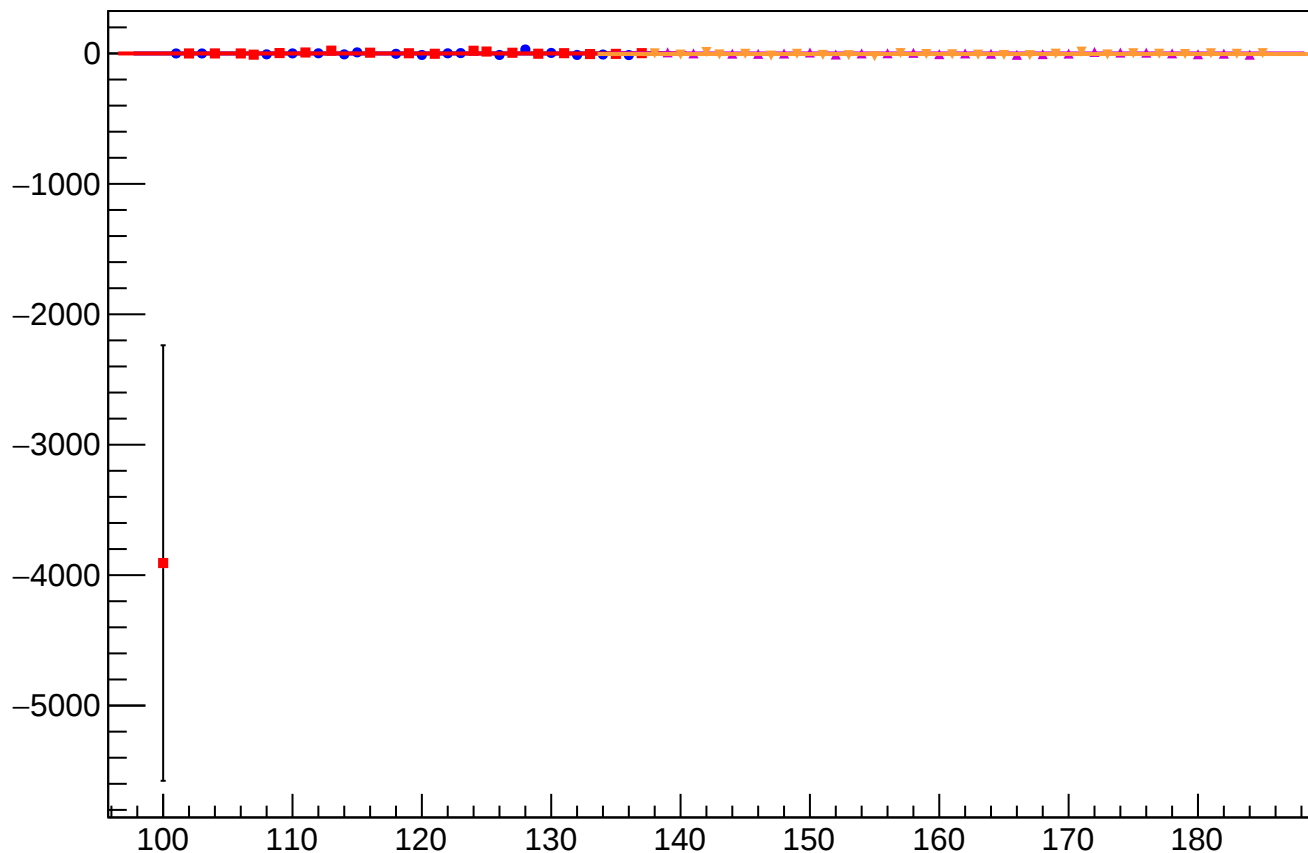
Right: 604.058+/-0.134 χ^2/NDF : 6686037.5/35

In: 535.609+/-0.081 χ^2/NDF : 3759040.3/39

Out: 536.048+/-0.079 χ^2/NDF : 4019322.1/43

All: 535.834+/-0.056 χ^2/NDF : 7778377.6/83

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 15.6/16

Left Out: -4.481 $\pm$ 0.956 χ^2 /NDF: 58.2/24

Right Out: 0.027 $\pm$ 0.020 χ^2 /NDF: 16.8/18

Left In: 0.193 $\pm$ 0.990 χ^2 /NDF: 29.2/22

Left: -2.227 $\pm$ 0.688 χ^2 /NDF: 99.0/47

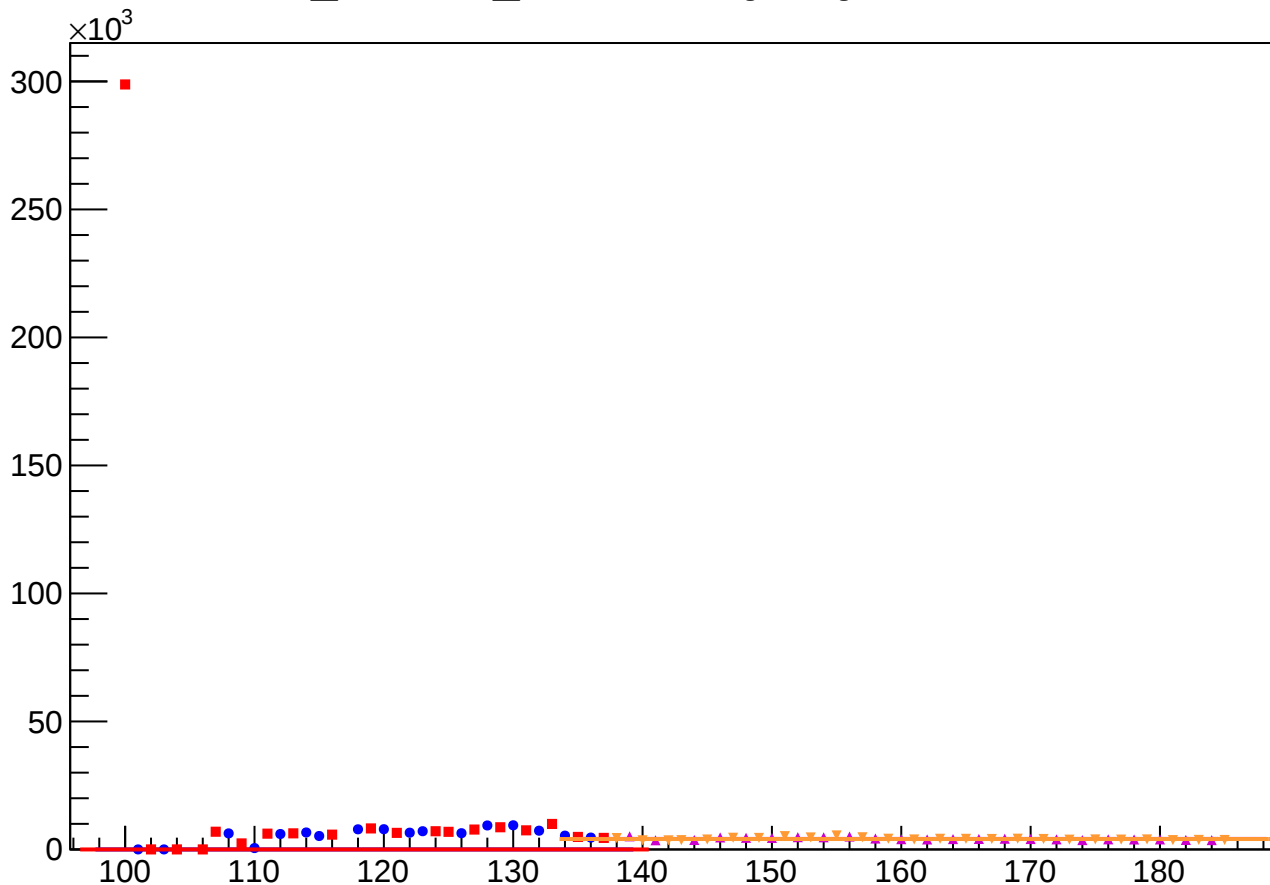
Right: 0.004 $\pm$ 0.014 χ^2 /NDF: 35.3/35

In: -0.022 $\pm$ 0.021 χ^2 /NDF: 44.9/39

Out: 0.025 $\pm$ 0.020 χ^2 /NDF: 97.2/43

All: 0.003 $\pm$ 0.014 χ^2 /NDF: 144.8/83

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.335 $\pm$ 0.015 χ^2 /NDF: 10315348.6/16

Left Out: 4074.230 $\pm$ 0.676 χ^2 /NDF: 417018.7/24

Right Out: 17.267 $\pm$ 0.014 χ^2 /NDF: 10766587.2/18

Left In: 4113.744 $\pm$ 0.700 χ^2 /NDF: 354965.8/22

Left: 4093.286 $\pm$ 0.486 χ^2 /NDF: 773633.4/47

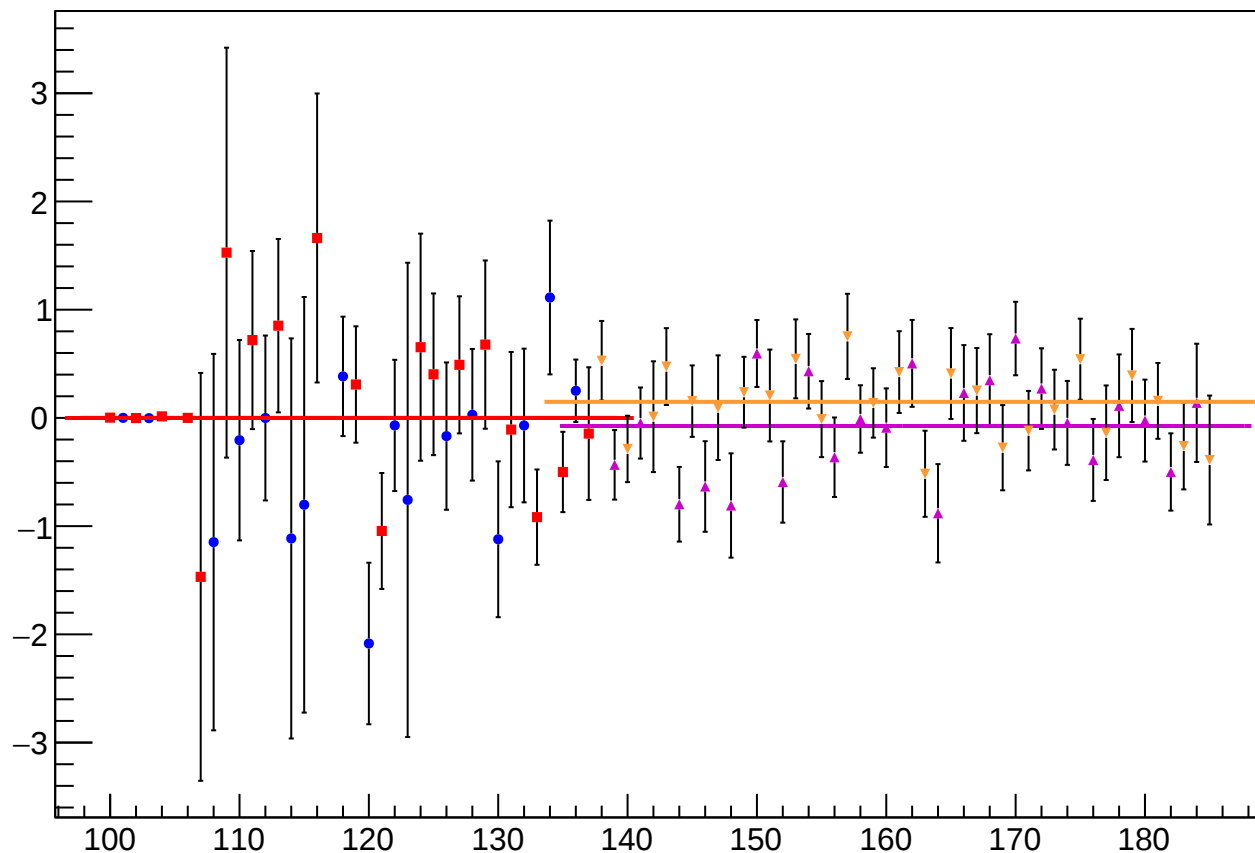
Right: 17.299 $\pm$ 0.010 χ^2 /NDF: 21081947.2/35

In: 19.141 $\pm$ 0.015 χ^2 /NDF: 44884597.1/39

Out: 19.004 $\pm$ 0.014 χ^2 /NDF: 47210520.0/43

All: 19.069 $\pm$ 0.010 χ^2 /NDF: 92095163.0/83

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 15.3/16

Left Out: 0.149 $\pm$ 0.076 χ^2 /NDF:17.1/24

Right Out: -0.001 $\pm$ 0.002 χ^2 /NDF: 18.1/18

Left In: -0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

Left: 0.040 $\pm$ 0.055 χ^2 /NDF: 56.0/47

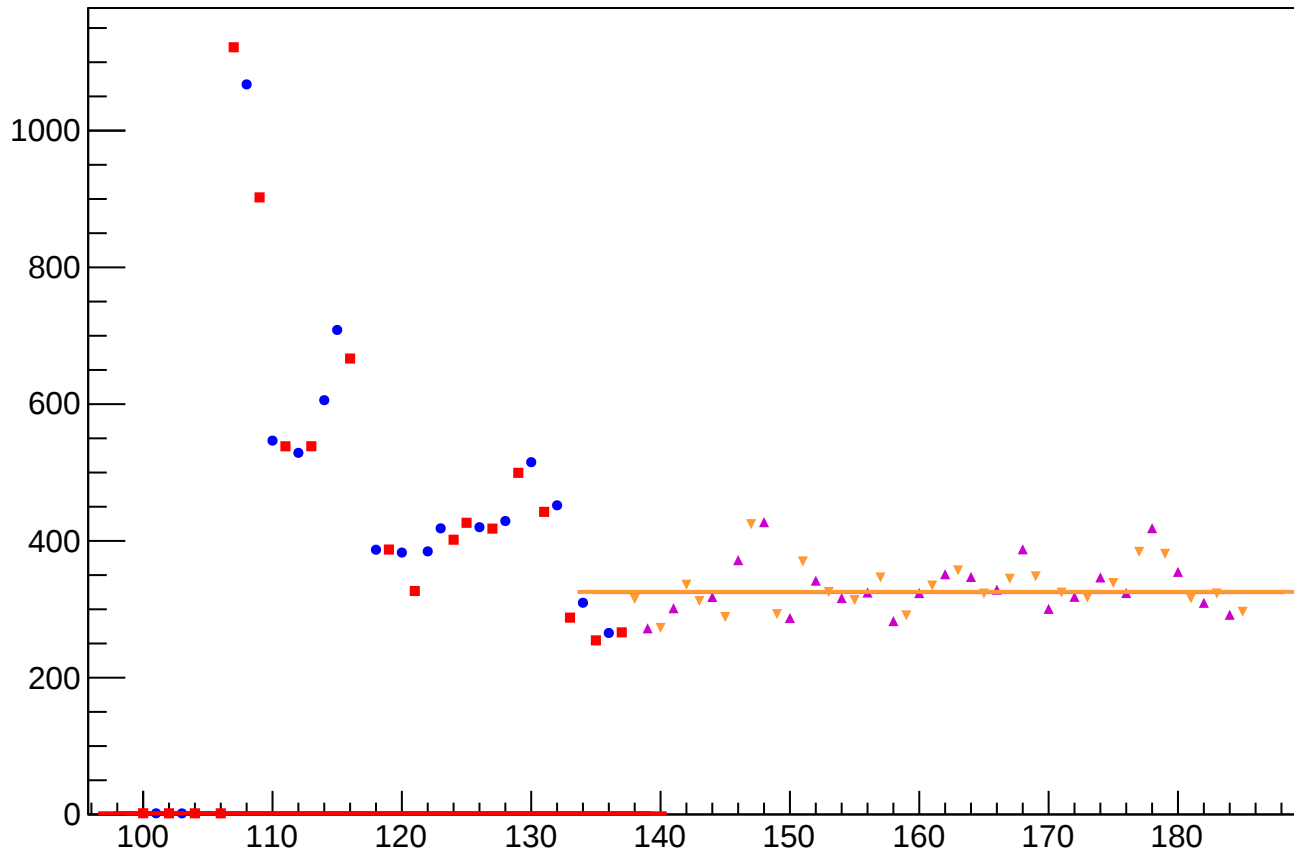
Right: -0.000 $\pm$ 0.001 χ^2 /NDF: 33.5/35

In: 0.000 $\pm$ 0.002 χ^2 /NDF:51.1/39

Out: -0.001 $\pm$ 0.002 χ^2 /NDF:39.0/43

All: -0.000 $\pm$ 0.001 χ^2 /NDF: 90.1/83

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698+/-0.001 χ^2/NDF : 10864983.9/16

Left Out: 325.473+/-0.054 χ^2/NDF : 350041.0/24

Right Out: 1.728+/-0.001 χ^2/NDF : 10690594.4/18

Left In: 325.201+/-0.055 χ^2/NDF : 428069.7/22

Left: 325.341+/-0.039 χ^2/NDF : 778123.1/47

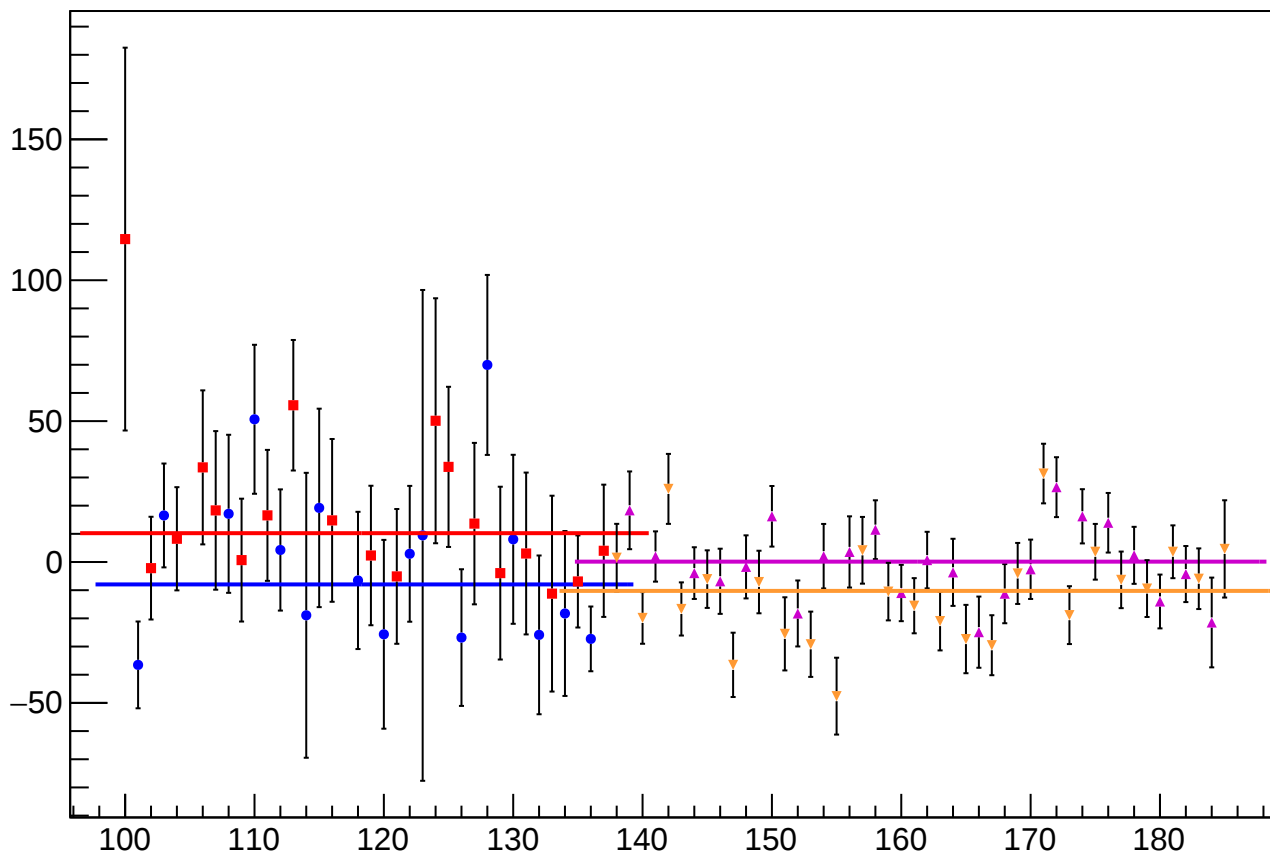
Right: 1.714+/-0.001 χ^2/NDF : 21555805.2/35

In: 1.914+/-0.001 χ^2/NDF : 45268449.8/39

Out: 1.937+/-0.001 χ^2/NDF : 46989319.6/43

All: 1.926+/-0.001 χ^2/NDF : 92257906.6/83

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.952 ± 5.639 χ^2/NDF : 22.6/16

Left Out: -10.251 ± 2.167 χ^2/NDF : 58.0/24

Right Out: 10.233 ± 5.692 χ^2/NDF : 11.7/18

Left In: 0.130 ± 2.242 χ^2/NDF : 29.8/22

Left: -5.238 ± 1.558 χ^2/NDF : 98.9/47

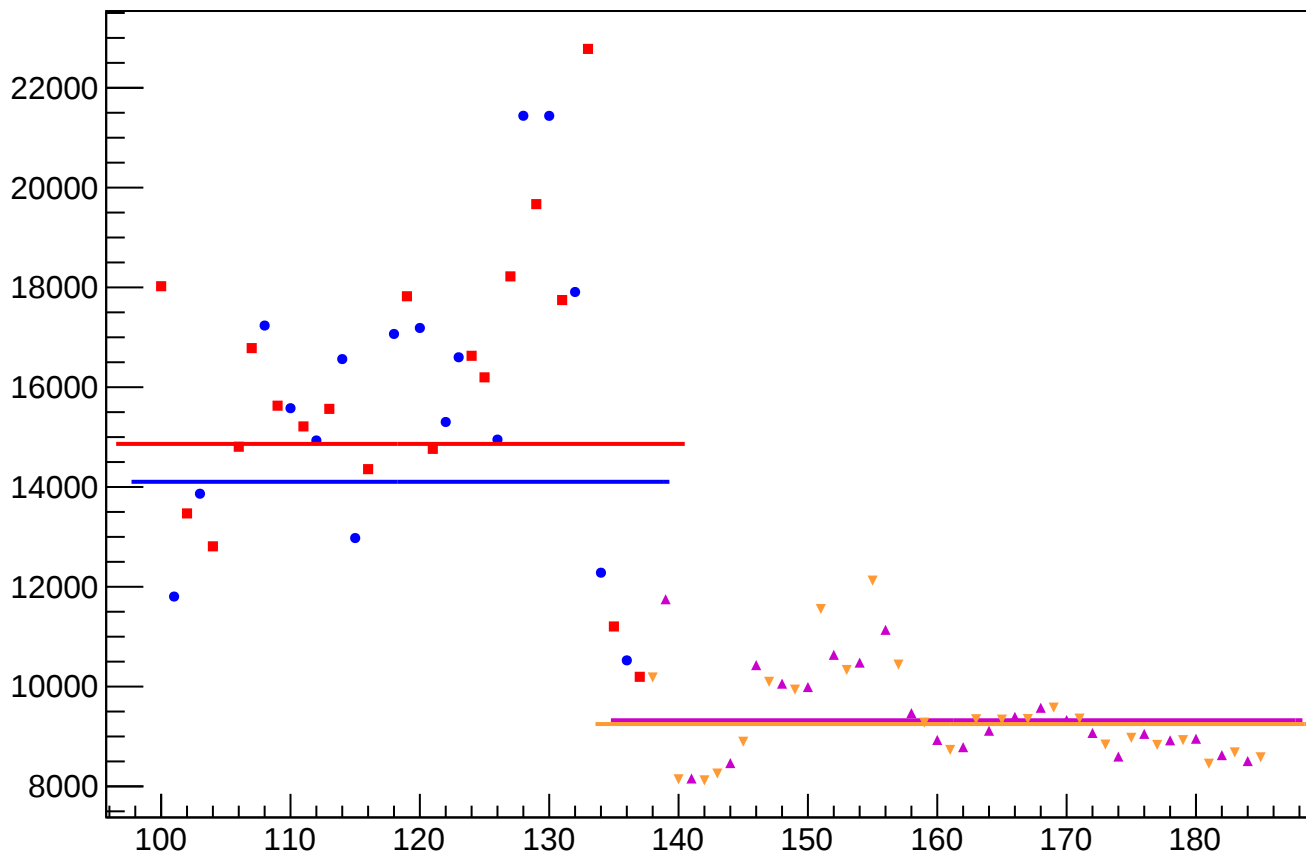
Right: 1.054 ± 4.006 χ^2/NDF : 39.4/35

In: -0.974 ± 2.084 χ^2/NDF : 54.2/39

Out: -7.659 ± 2.025 χ^2/NDF : 80.9/43

All: -4.411 ± 1.452 χ^2/NDF : 140.4/83

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14104.125 $\pm$ 3.987 χ^2 /NDF: 604857.2/16

Left Out: 9249.249 $\pm$ 1.532 χ^2 /NDF:332087.2/24

Right Out: 14863.530 $\pm$ 4.025 χ^2 /NDF: 472106.0/18

Left In: 9325.112 $\pm$ 1.585 χ^2 /NDF:280927.7/22

Left: 9285.885 $\pm$ 1.102 χ^2 /NDF: 614198.7/47

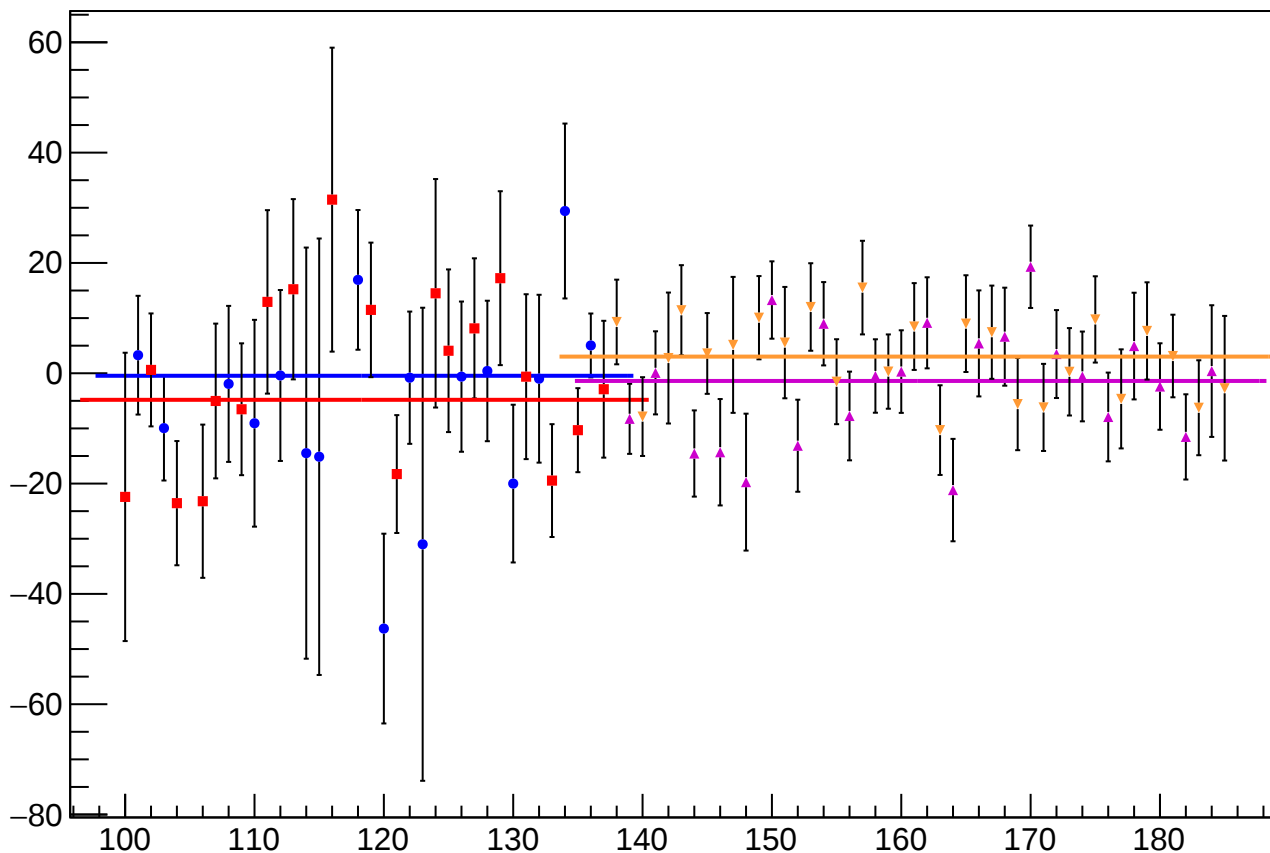
Right: 14480.230 $\pm$ 2.833 χ^2 /NDF: 1094929.4/35

In: 9977.610 $\pm$ 1.473 χ^2 /NDF:2126281.2/39

Out: 9959.830 $\pm$ 1.432 χ^2 /NDF:2503464.7/43

All: 9968.467 $\pm$ 1.027 χ^2 /NDF: 4629820.8/83

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.456 ± 3.089 χ^2/NDF : 17.4/16

Left Out: 3.021 ± 1.659 χ^2/NDF : 18.5/24

Right Out: -4.814 ± 2.946 χ^2/NDF : 19.9/18

Left In: -1.394 ± 1.693 χ^2/NDF : 35.4/22

Left: 0.858 ± 1.185 χ^2/NDF : 57.4/47

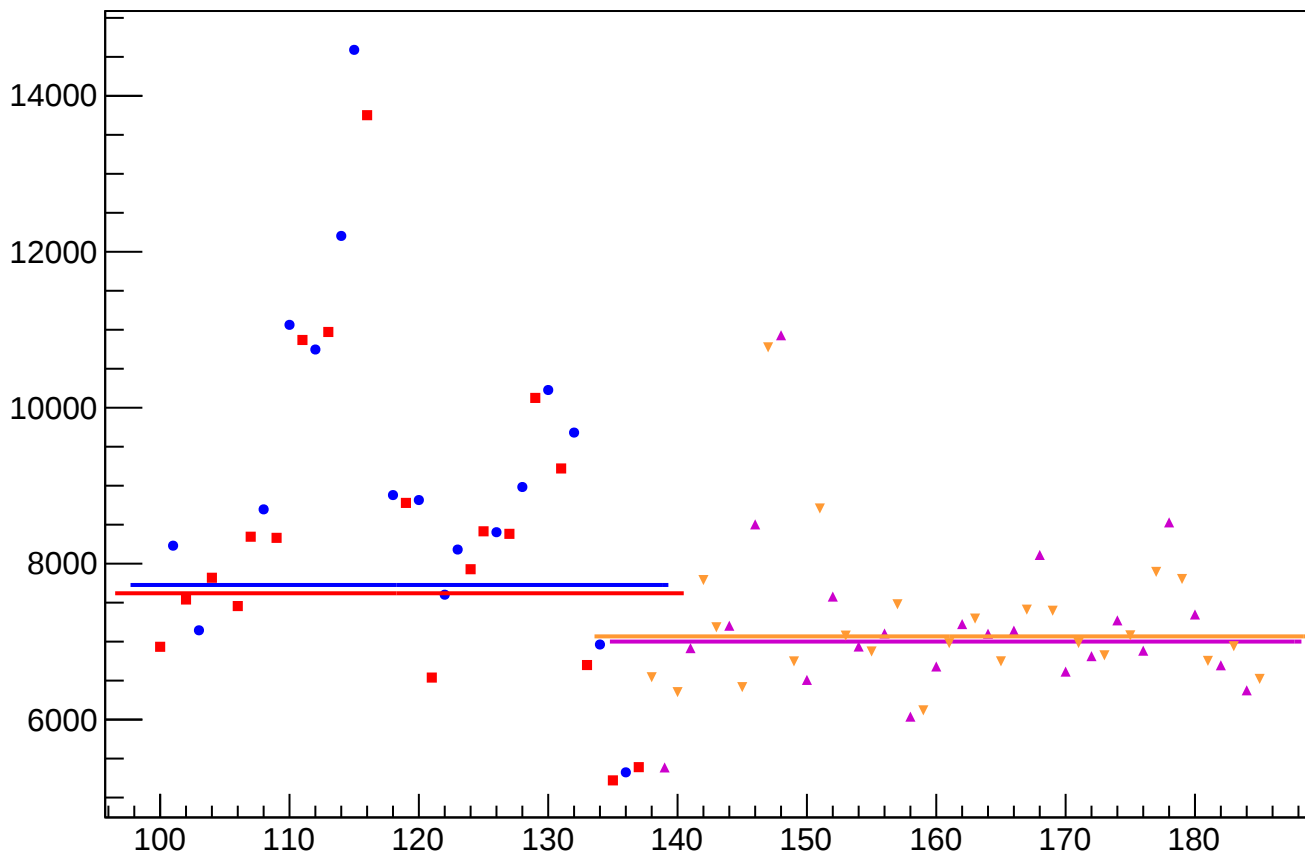
Right: -2.739 ± 2.132 χ^2/NDF : 38.4/35

In: -1.178 ± 1.485 χ^2/NDF : 52.9/39

Out: 1.134 ± 1.446 χ^2/NDF : 43.8/43

All: 0.009 ± 1.036 χ^2/NDF : 98.0/83

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.613+/-2.184 χ^2/NDF : 742603.6/16

Left Out: 7067.167+/-1.173 χ^2/NDF : 387389.5/24

Right Out: 7620.107+/-2.083 χ^2/NDF : 679200.6/18

Left In: 7000.532+/-1.197 χ^2/NDF : 550029.3/22

Left: 7034.526+/-0.838 χ^2/NDF : 938999.1/47

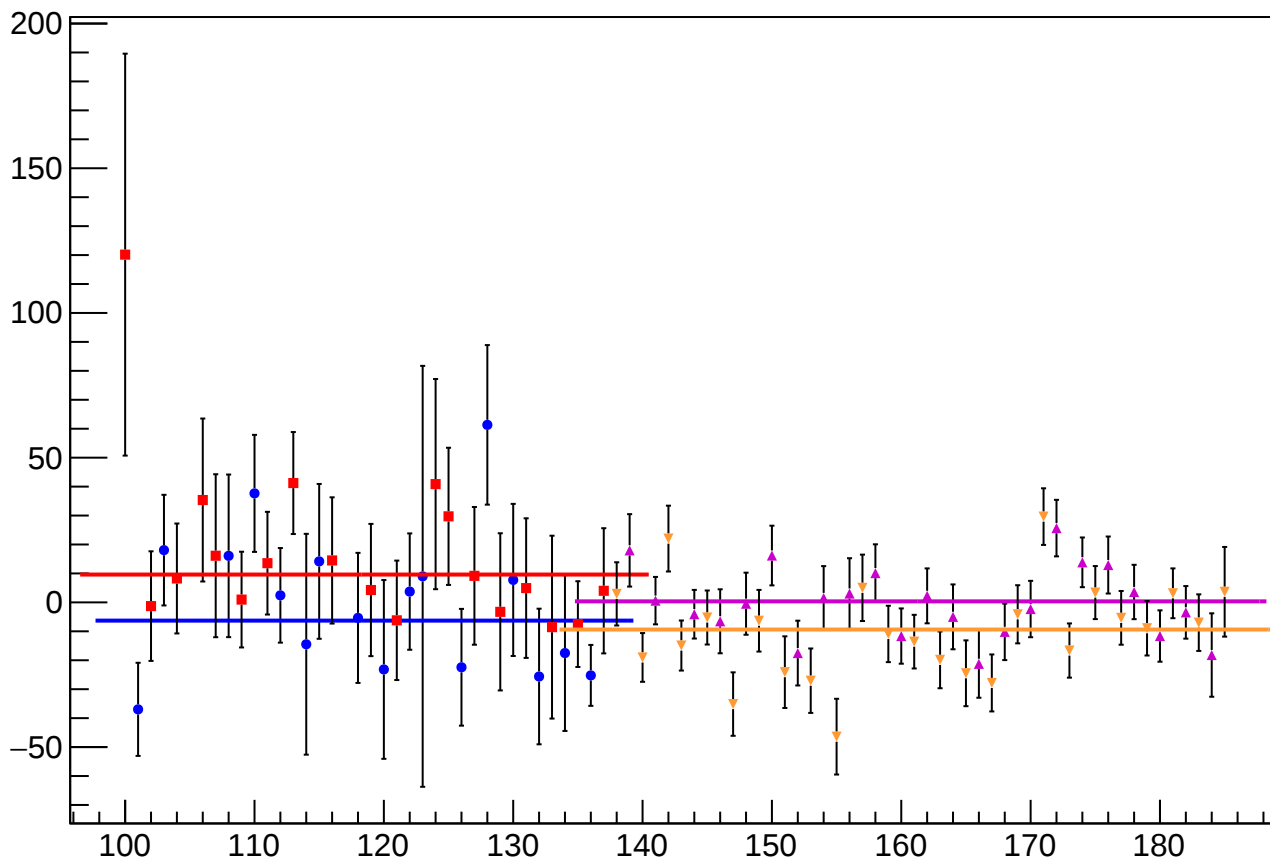
Right: 7670.830+/-1.508 χ^2/NDF : 1423049.2/35

In: 7168.258+/-1.050 χ^2/NDF : 1377591.2/39

Out: 7200.326+/-1.022 χ^2/NDF : 1120085.9/43

All: 7184.720+/-0.732 χ^2/NDF : 2498156.0/83

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.303 ± 5.045 χ^2/NDF : 23.2/16

Left Out: -9.385 ± 2.018 χ^2/NDF : 58.4/24

Right Out: 9.614 ± 5.013 χ^2/NDF : 11.5/18

Left In: 0.353 ± 2.092 χ^2/NDF : 29.6/22

Left: -4.692 ± 1.452 χ^2/NDF : 99.3/47

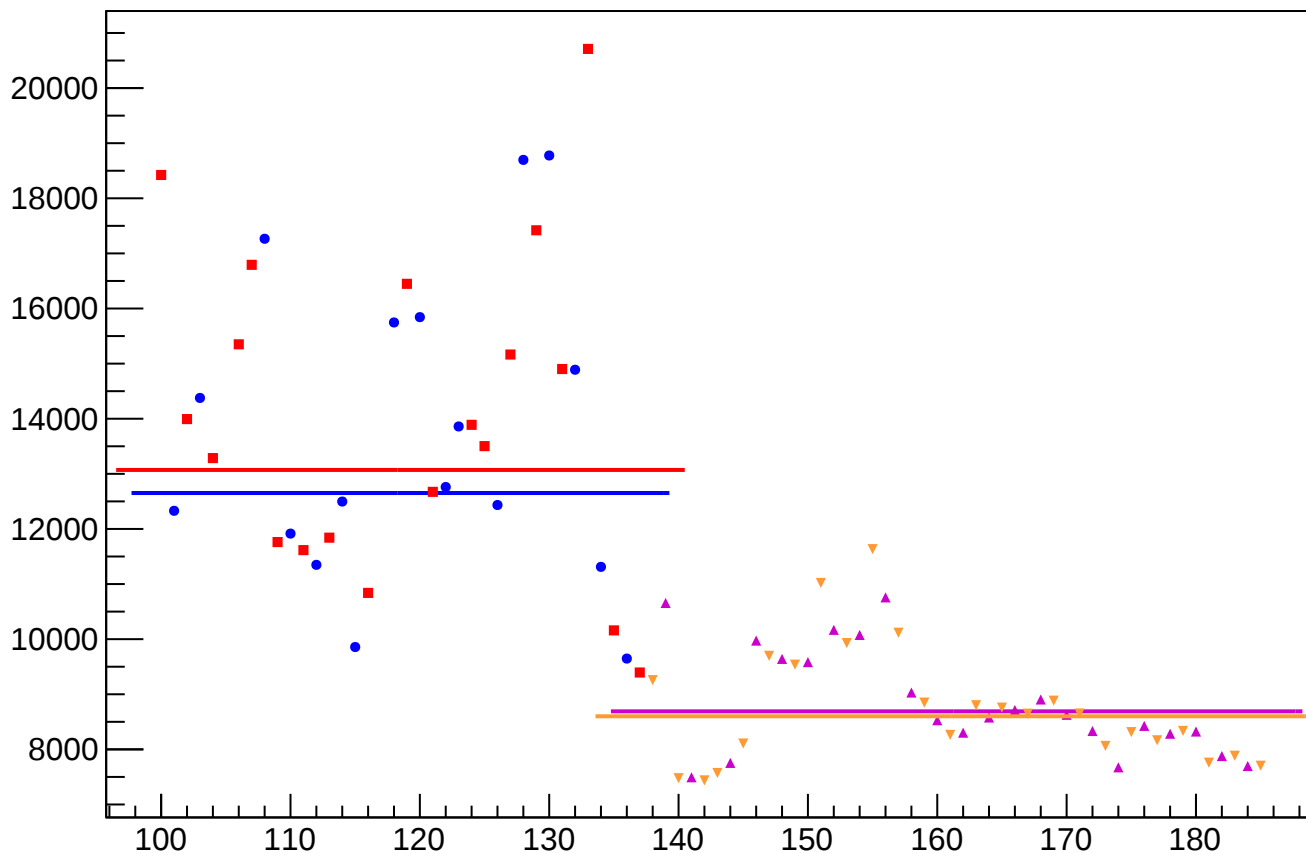
Right: 1.707 ± 3.556 χ^2/NDF : 39.6/35

In: -0.623 ± 1.933 χ^2/NDF : 54.3/39

Out: -6.736 ± 1.872 χ^2/NDF : 82.2/43

All: -3.777 ± 1.345 χ^2/NDF : 141.7/83

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12652.101 $\pm$ 3.567 χ^2 /NDF: 559356.1/16

Left Out: 8600.406 $\pm$ 1.427 χ^2 /NDF: 438325.8/24

Right Out: 13070.799 $\pm$ 3.545 χ^2 /NDF: 498063.2/18

Left In: 8690.209 $\pm$ 1.479 χ^2 /NDF: 370834.1/22

Left: 8643.686 $\pm$ 1.027 χ^2 /NDF: 811068.7/47

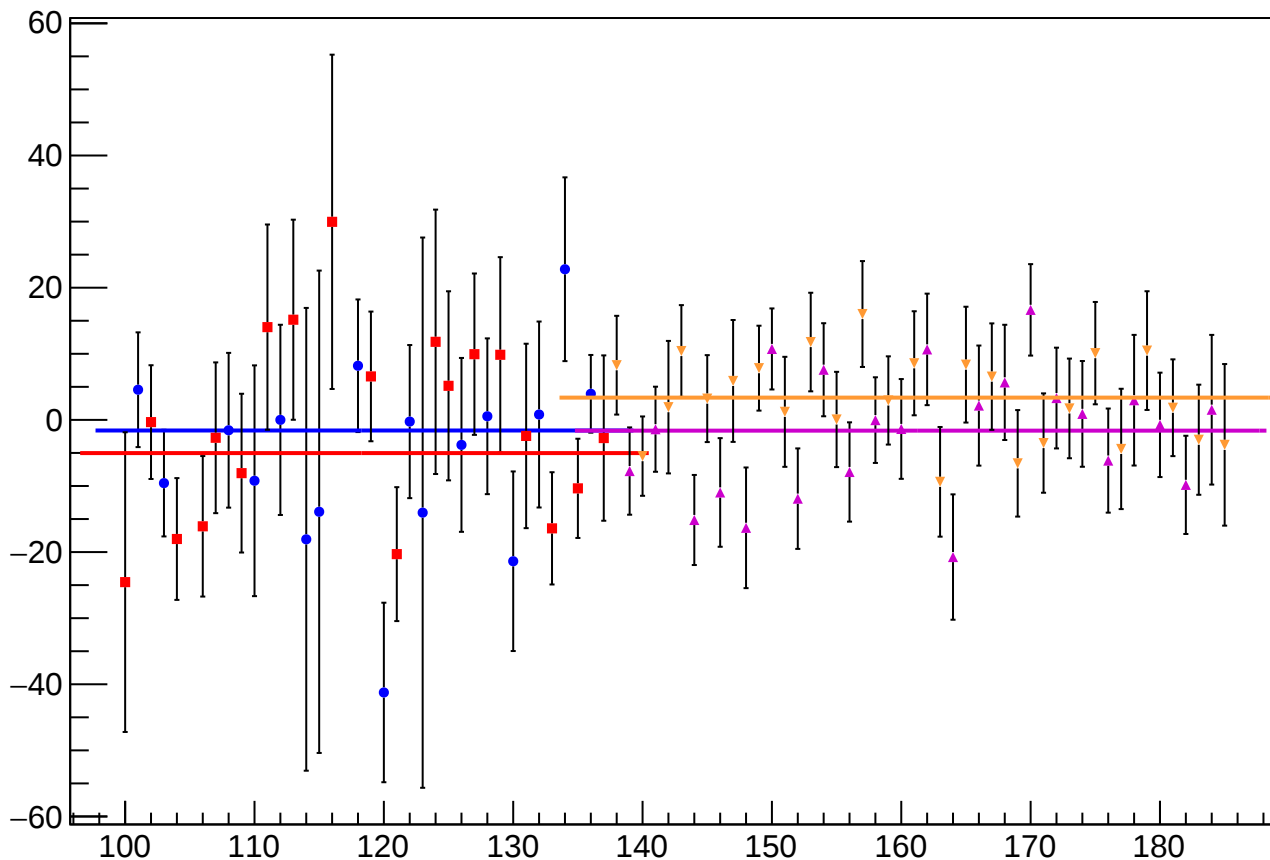
Right: 12862.791 $\pm$ 2.515 χ^2 /NDF: 1064350.7/35

In: 9271.568 $\pm$ 1.367 χ^2 /NDF: 1982546.7/39

Out: 9223.810 $\pm$ 1.324 χ^2 /NDF: 2305077.2/43

All: 9246.929 $\pm$ 0.951 χ^2 /NDF: 4288254.0/83

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.604 ± 2.811 χ^2/NDF : 17.8/16

Left Out: 3.370 ± 1.551 χ^2/NDF : 17.0/24

Right Out: -5.023 ± 2.647 χ^2/NDF : 19.2/18

Left In: -1.627 ± 1.599 χ^2/NDF : 33.5/22

Left: 0.948 ± 1.113 χ^2/NDF : 55.5/47

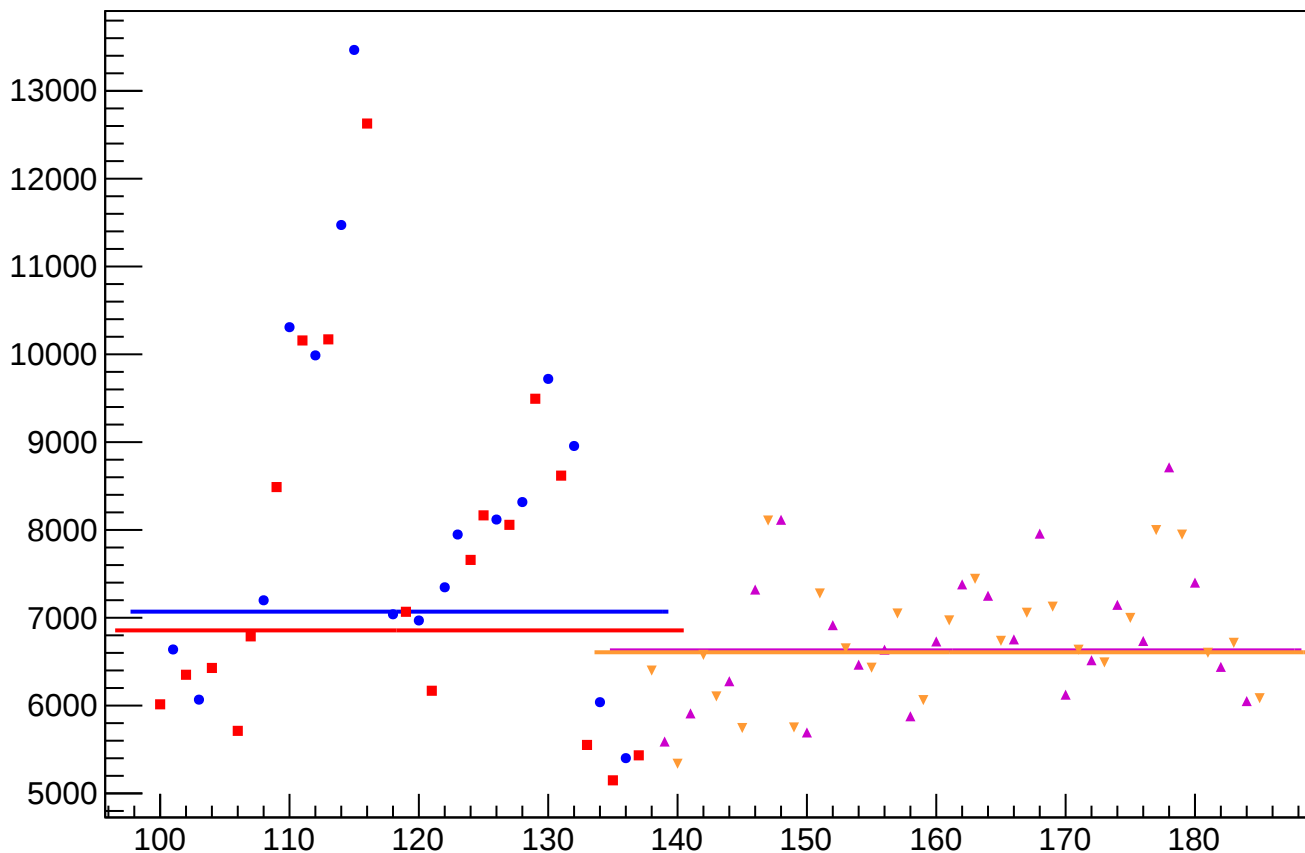
Right: -3.416 ± 1.927 χ^2/NDF : 37.7/35

In: -1.621 ± 1.390 χ^2/NDF : 51.2/39

Out: 1.225 ± 1.338 χ^2/NDF : 43.7/43

All: -0.144 ± 0.964 χ^2/NDF : 97.1/83

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7069.683 ± 1.988 $\chi^2/\text{NDF}: 601725.0/16$

Left Out: 6607.079 ± 1.096 $\chi^2/\text{NDF}: 398414.9/24$

Right Out: 6856.143 ± 1.872 $\chi^2/\text{NDF}: 686407.0/18$

Left In: 6628.653 ± 1.131 $\chi^2/\text{NDF}: 430282.2/22$

Left: 6617.534 ± 0.787 $\chi^2/\text{NDF}: 828884.7/47$

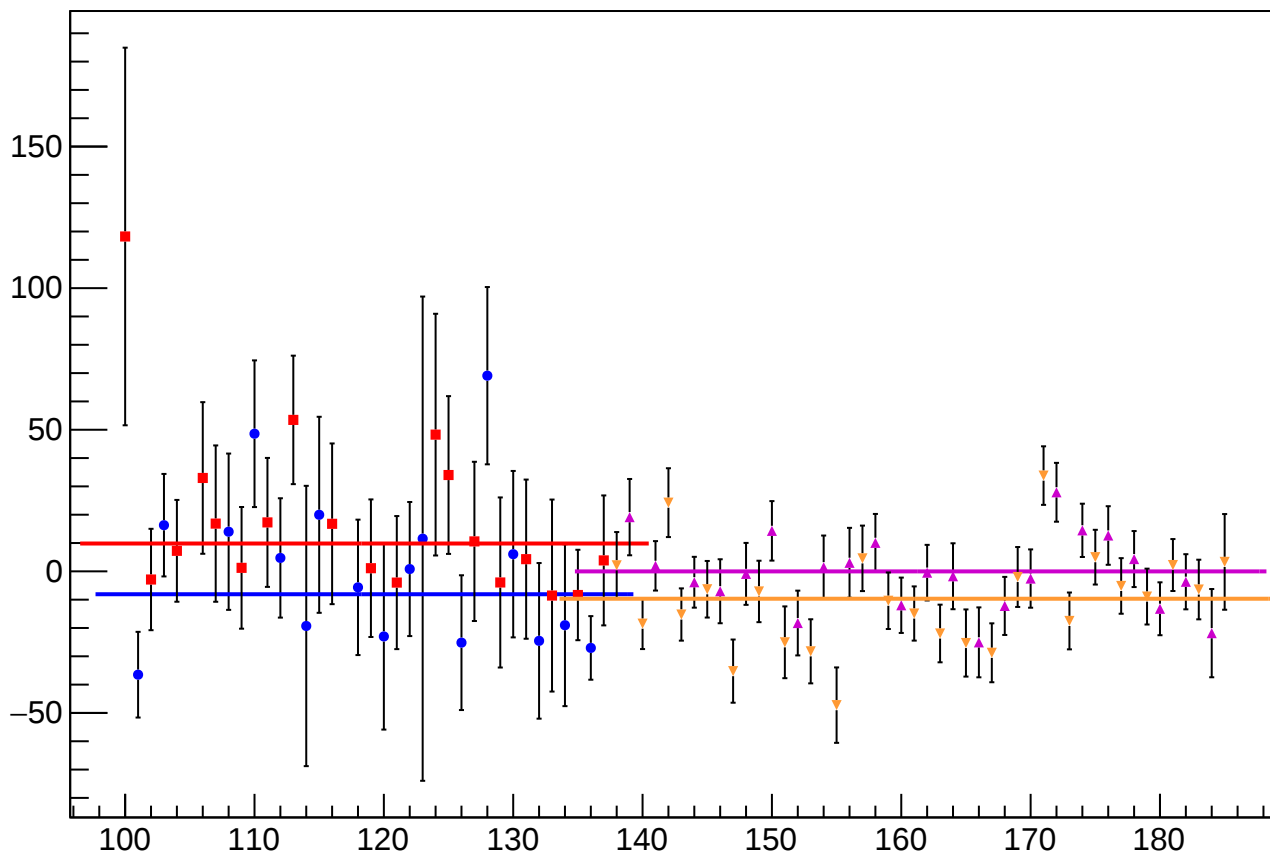
Right: 6956.503 ± 1.363 $\chi^2/\text{NDF}: 1294250.1/35$

In: 6736.493 ± 0.983 $\chi^2/\text{NDF}: 1069205.3/39$

Out: 6670.719 ± 0.946 $\chi^2/\text{NDF}: 1098005.9/43$

All: 6702.353 ± 0.682 $\chi^2/\text{NDF}: 2169535.9/83$

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -8.084 $\pm$ 5.527 χ^2/NDF : 22.4/16

Left Out: -9.672 $\pm$ 2.118 χ^2/NDF : 59.8/24

Right Out: 9.828 $\pm$ 5.581 χ^2/NDF : 12.0/18

Left In: -0.019 $\pm$ 2.192 χ^2/NDF : 30.6/22

Left: -5.010 $\pm$ 1.523 χ^2/NDF : 100.4/47

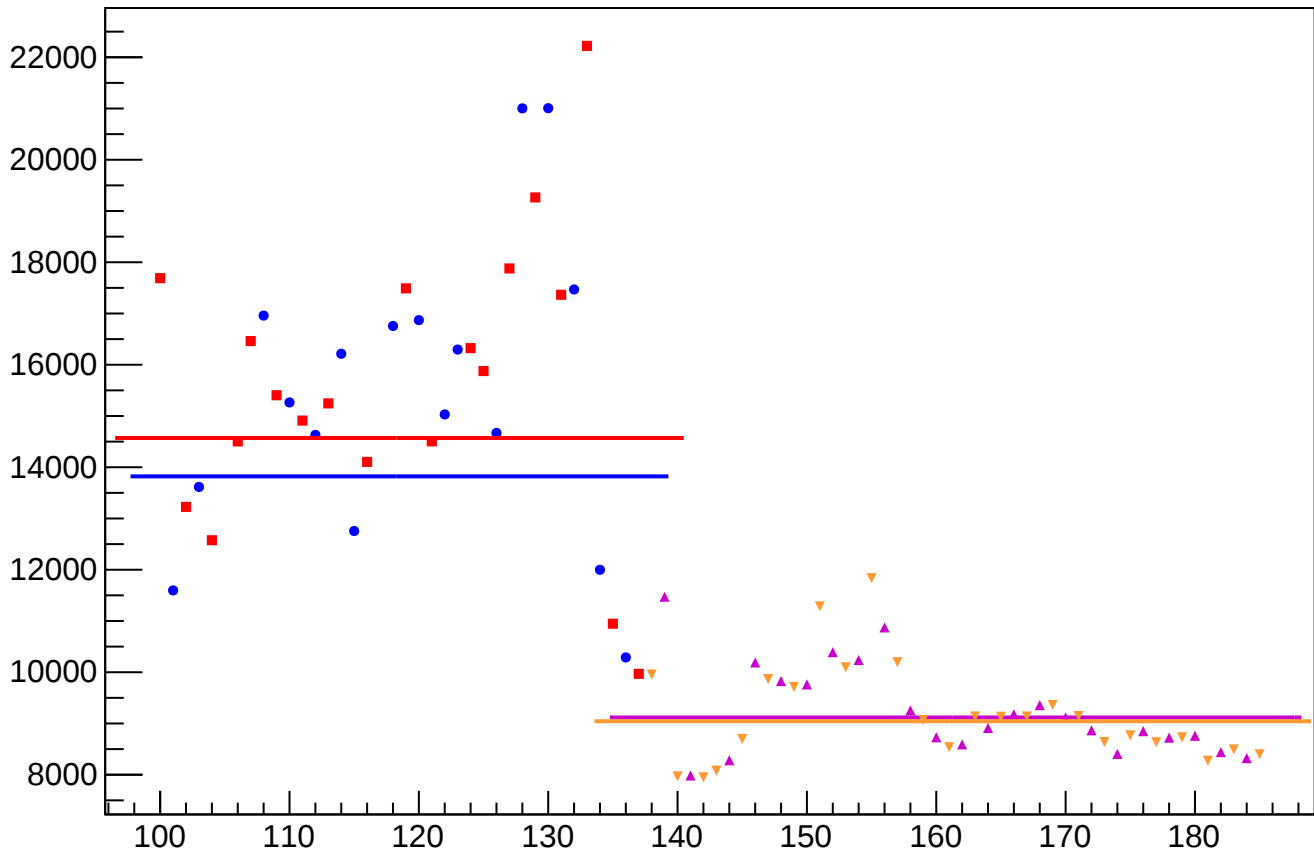
Right: 0.784 $\pm$ 3.927 χ^2/NDF : 39.6/35

In: -1.116 $\pm$ 2.038 χ^2/NDF : 54.9/39

Out: -7.216 $\pm$ 1.981 χ^2/NDF : 82.4/43

All: -4.252 $\pm$ 1.420 χ^2/NDF : 141.9/83

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.849 $\pm$ 3.908 χ^2 /NDF: 607967.7/16

Left Out: 9043.378 $\pm$ 1.498 χ^2 /NDF:328275.3/24

Right Out: 14571.187 $\pm$ 3.946 χ^2 /NDF: 473951.9/18

Left In: 9116.921 $\pm$ 1.550 χ^2 /NDF:277594.8/22

Left: 9078.895 $\pm$ 1.077 χ^2 /NDF: 607034.2/47

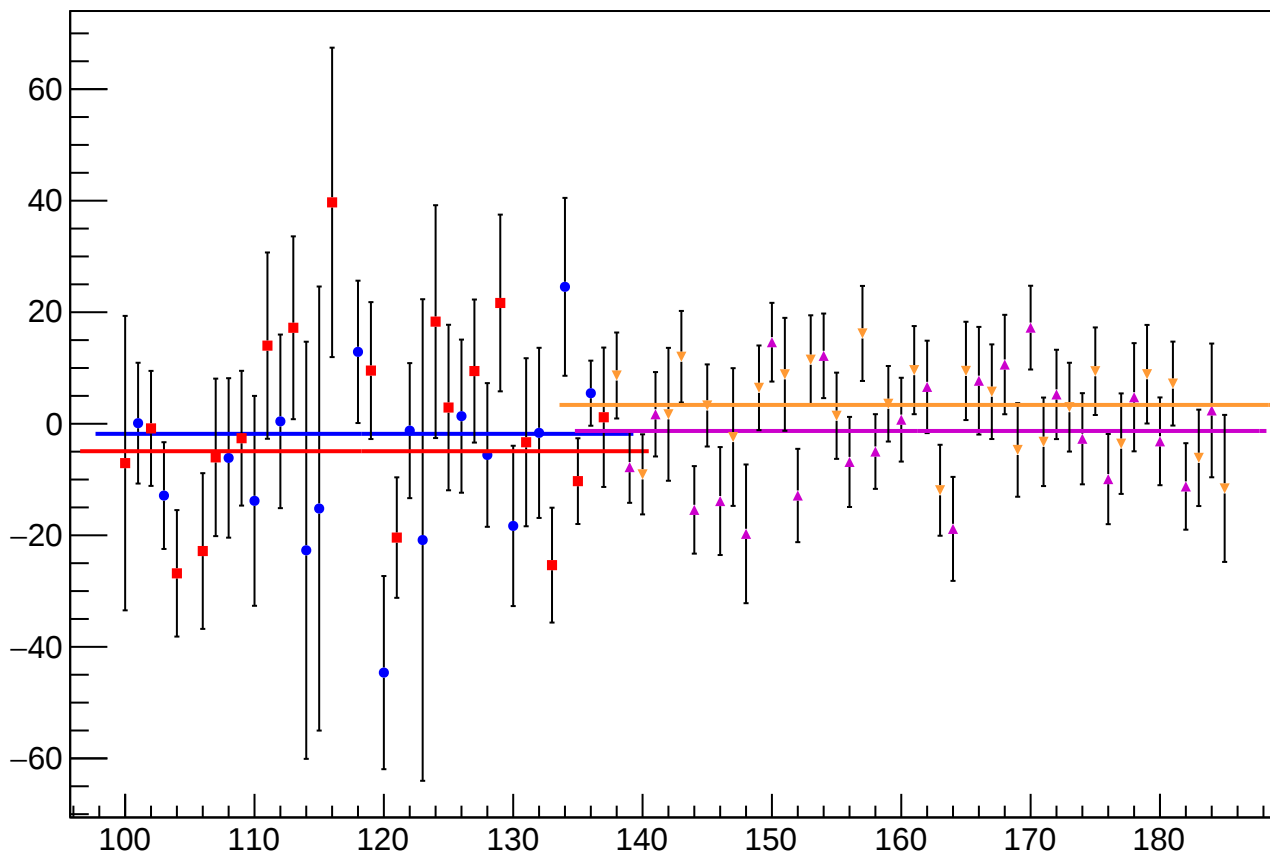
Right: 14192.864 $\pm$ 2.777 χ^2 /NDF: 1100124.5/35

In: 9756.463 $\pm$ 1.441 χ^2 /NDF:2138049.0/39

Out: 9739.605 $\pm$ 1.400 χ^2 /NDF:2517324.4/43

All: 9747.795 $\pm$ 1.004 χ^2 /NDF: 4655443.7/83

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -1.806 ± 3.112 χ^2/NDF : 15.7/16

Left Out: 3.379 ± 1.666 χ^2/NDF : 19.3/24

Right Out: -4.921 ± 2.968 χ^2/NDF : 25.0/18

Left In: -1.291 ± 1.701 χ^2/NDF : 36.5/22

Left: 1.092 ± 1.190 χ^2/NDF : 59.7/47

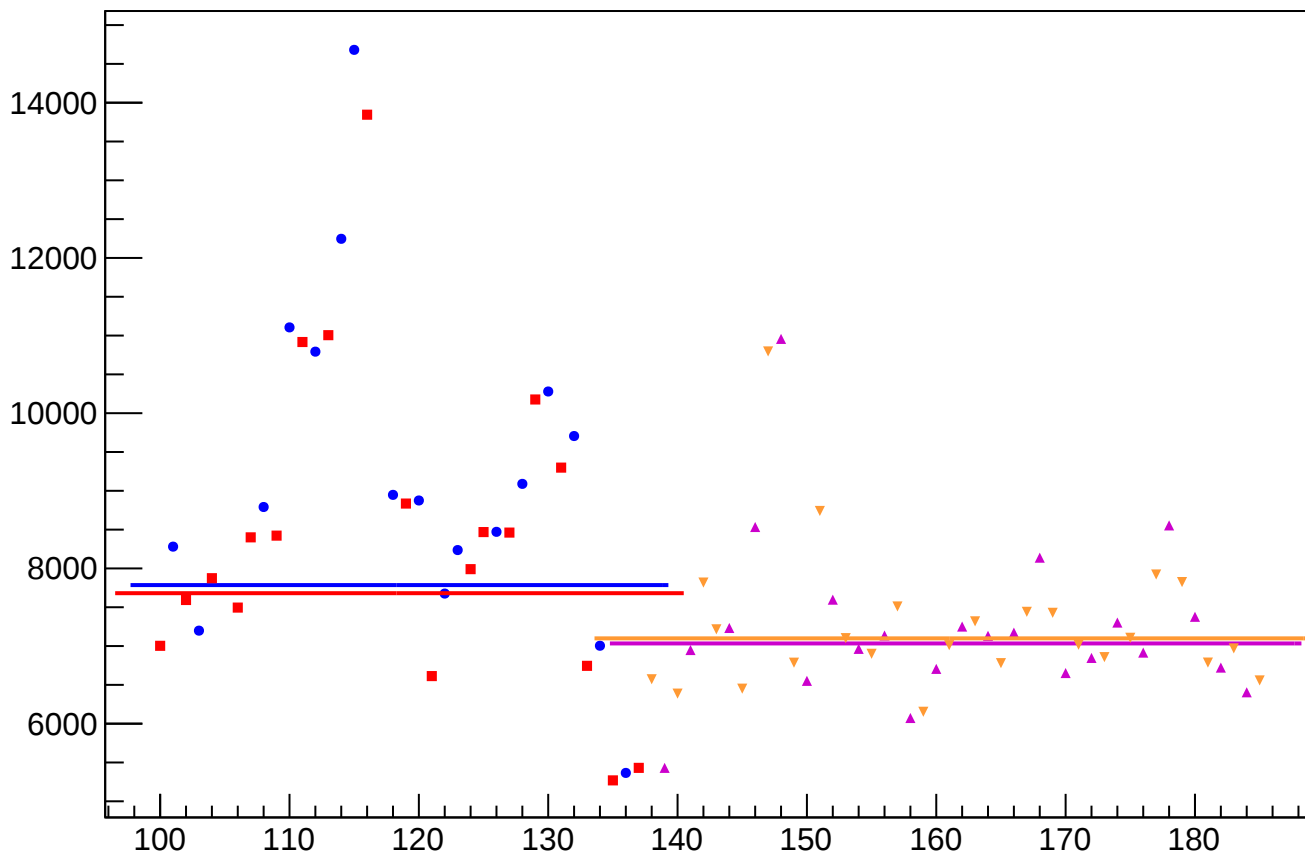
Right: -3.437 ± 2.148 χ^2/NDF : 41.2/35

In: -1.409 ± 1.493 χ^2/NDF : 52.3/39

Out: 1.390 ± 1.453 χ^2/NDF : 50.2/43

All: 0.028 ± 1.041 χ^2/NDF : 104.3/83

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.499+/-2.201 χ^2/NDF : 738102.3/16

Left Out: 7099.090+/-1.178 χ^2/NDF : 382485.0/24

Right Out: 7681.068+/-2.099 χ^2/NDF : 672729.8/18

Left In: 7033.702+/-1.203 χ^2/NDF : 541035.5/22

Left: 7067.066+/-0.842 χ^2/NDF : 925028.6/47

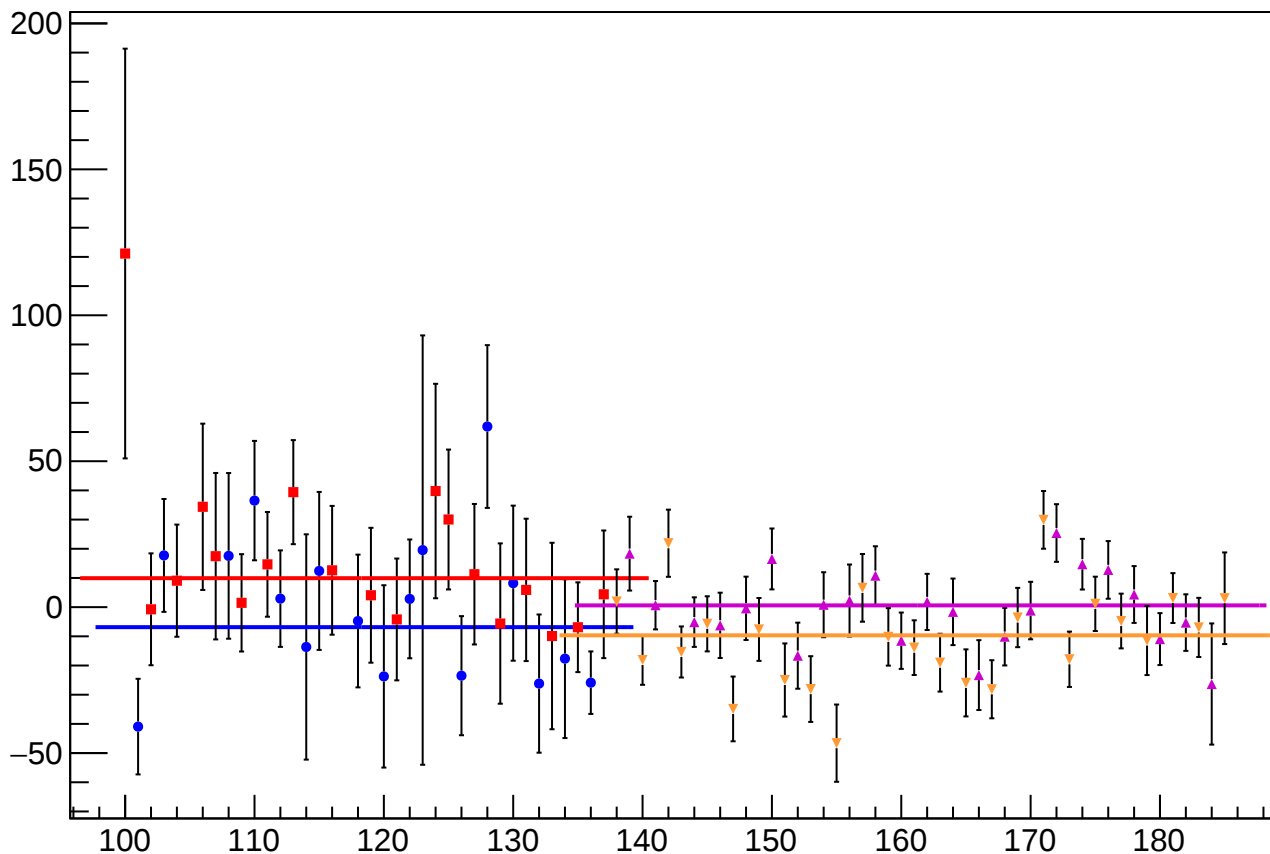
Right: 7730.818+/-1.519 χ^2/NDF : 1412011.3/35

In: 7206.612+/-1.055 χ^2/NDF : 1369005.3/39

Out: 7238.540+/-1.027 χ^2/NDF : 1113667.5/43

All: 7223.003+/-0.736 χ^2/NDF : 2483142.6/83

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.855 $\pm$ 5.113 χ^2/NDF : 23.8/16

Left Out: -9.654 $\pm$ 2.058 χ^2/NDF : 57.6/24

Right Out: 9.922 $\pm$ 5.084 χ^2/NDF : 10.6/18

Left In: 0.599 $\pm$ 2.135 χ^2/NDF : 29.7/22

Left: -4.717 $\pm$ 1.482 χ^2/NDF : 99.2/47

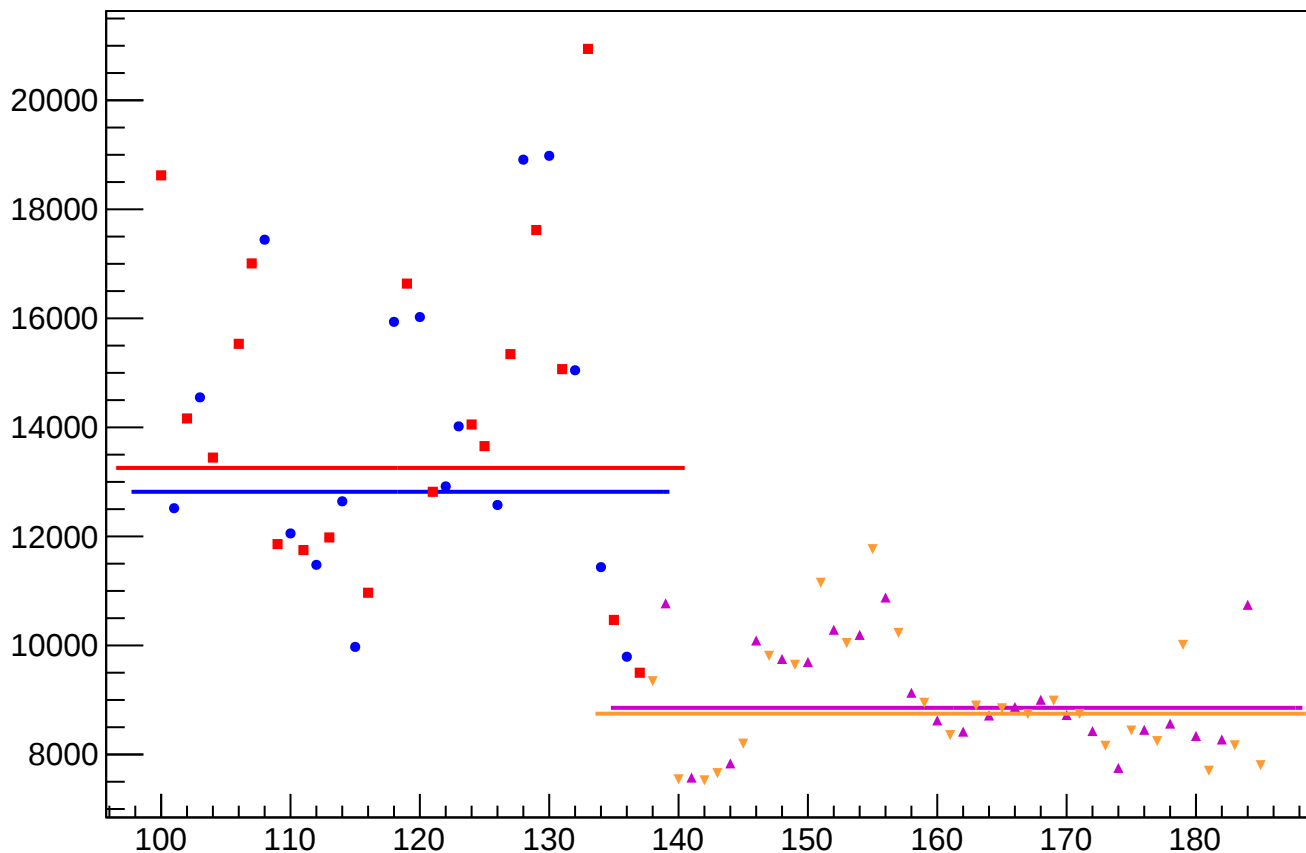
Right: 1.580 $\pm$ 3.605 χ^2/NDF : 39.8/35

In: -0.508 $\pm$ 1.970 χ^2/NDF : 55.2/39

Out: -6.899 $\pm$ 1.907 χ^2/NDF : 81.0/43

All: -3.807 $\pm$ 1.370 χ^2/NDF : 141.6/83

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12818.610 $\pm$ 3.615 χ^2/NDF : 553065.0/16

Left Out: 8748.378 $\pm$ 1.455 χ^2/NDF : 463449.1/24

Right Out: 13256.425 $\pm$ 3.595 χ^2/NDF : 486011.2/18

Left In: 8855.591 $\pm$ 1.510 χ^2/NDF : 367542.7/22

Left: 8800.003 $\pm$ 1.048 χ^2/NDF : 833606.6/47

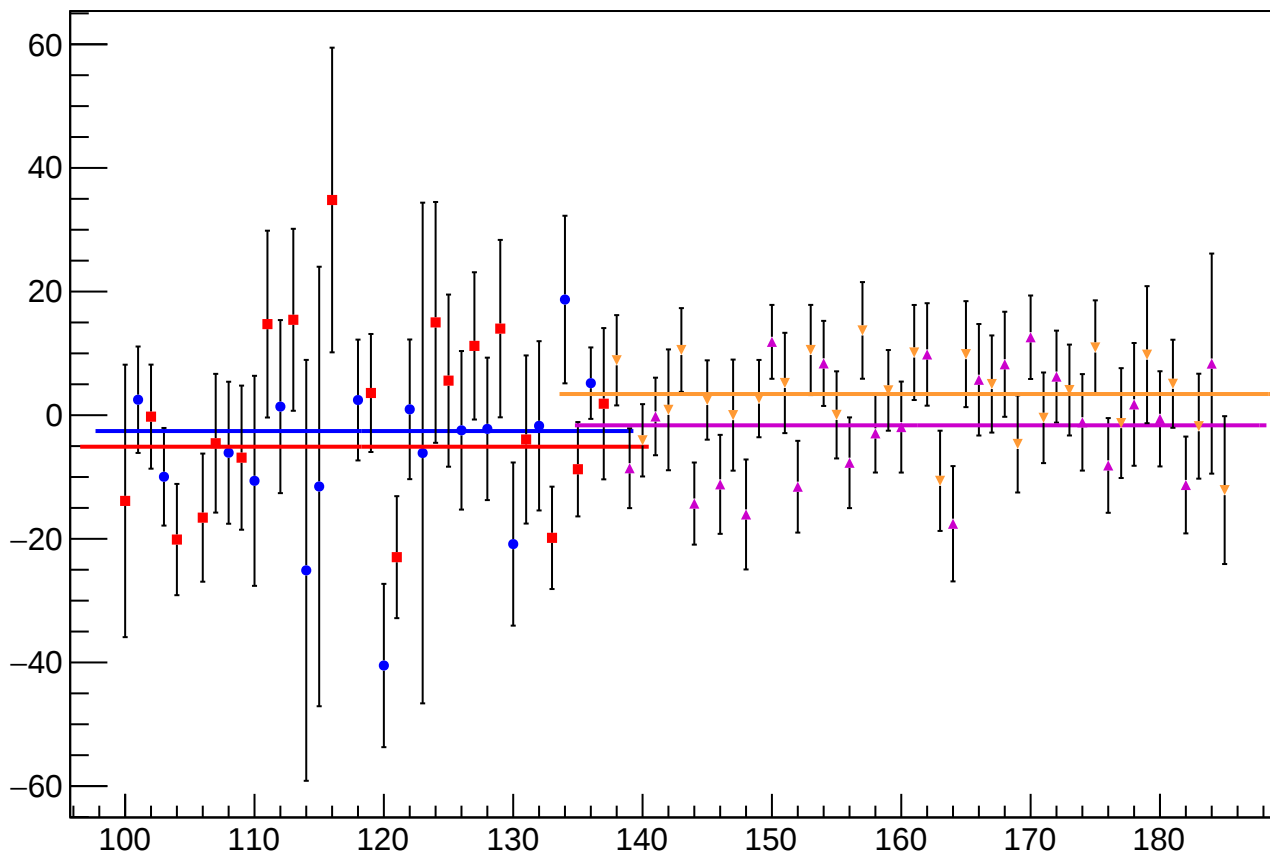
Right: 13038.746 $\pm$ 2.549 χ^2/NDF : 1046449.6/35

In: 9444.008 $\pm$ 1.393 χ^2/NDF : 1943742.2/39

Out: 9382.742 $\pm$ 1.349 χ^2/NDF : 2300503.5/43

All: 9412.382 $\pm$ 0.969 χ^2/NDF : 4245244.1/83

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.566 ± 2.752 χ^2/NDF : 16.9/16

Left Out: 3.426 ± 1.524 χ^2/NDF : 15.9/24

Right Out: -5.098 ± 2.595 χ^2/NDF : 24.0/18

Left In: -1.638 ± 1.578 χ^2/NDF : 33.7/22

Left: 0.981 ± 1.096 χ^2/NDF : 55.0/47

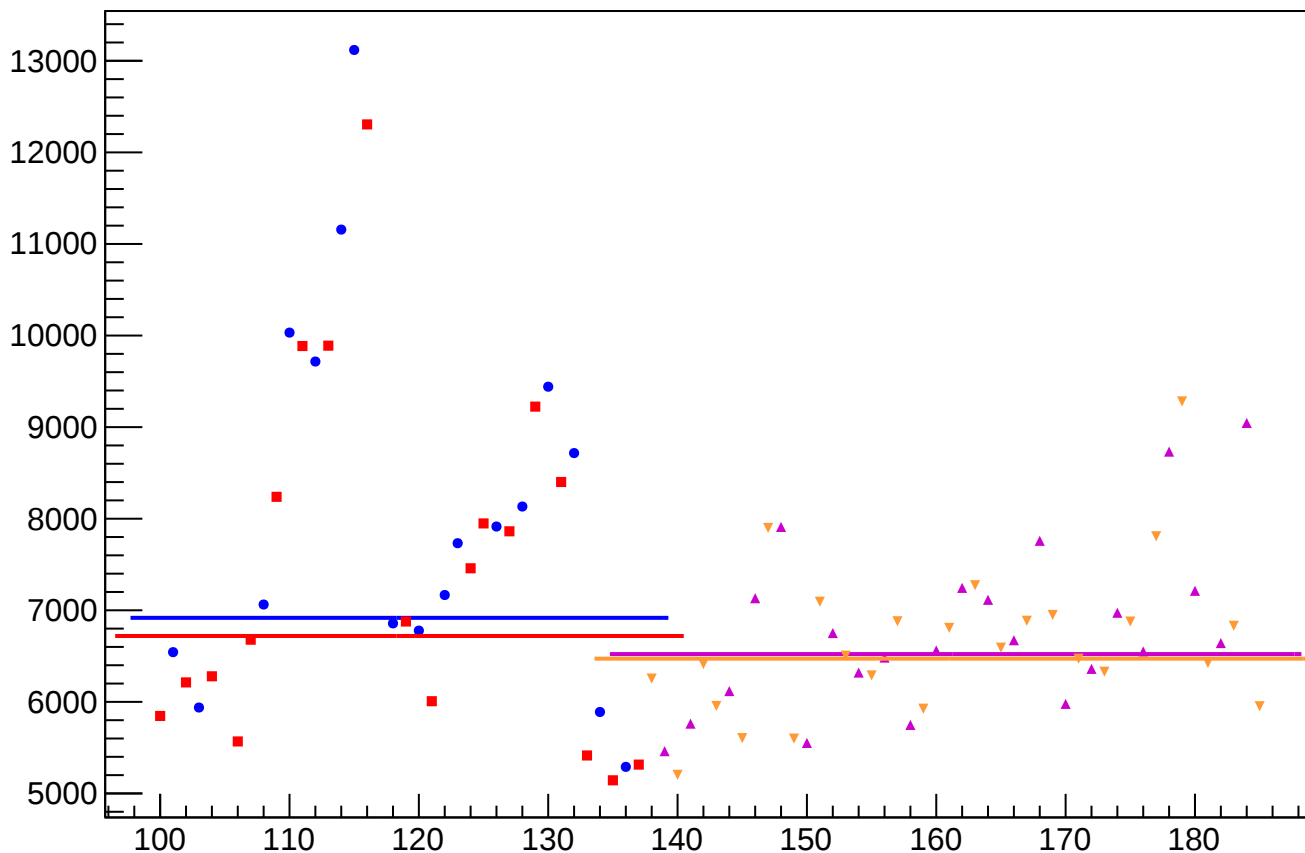
Right: -3.907 ± 1.888 χ^2/NDF : 41.3/35

In: -1.868 ± 1.369 χ^2/NDF : 50.7/39

Out: 1.238 ± 1.314 χ^2/NDF : 47.9/43

All: -0.252 ± 0.948 χ^2/NDF : 101.3/83

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6917.621 ± 1.946 $\chi^2/\text{NDF}: 588010.6/16$

Left Out: 6471.977 ± 1.078 $\chi^2/\text{NDF}: 490311.5/24$

Right Out: 6719.486 ± 1.835 $\chi^2/\text{NDF}: 657829.3/18$

Left In: 6521.975 ± 1.116 $\chi^2/\text{NDF}: 480034.7/22$

Left: 6496.116 ± 0.775 $\chi^2/\text{NDF}: 971384.8/47$

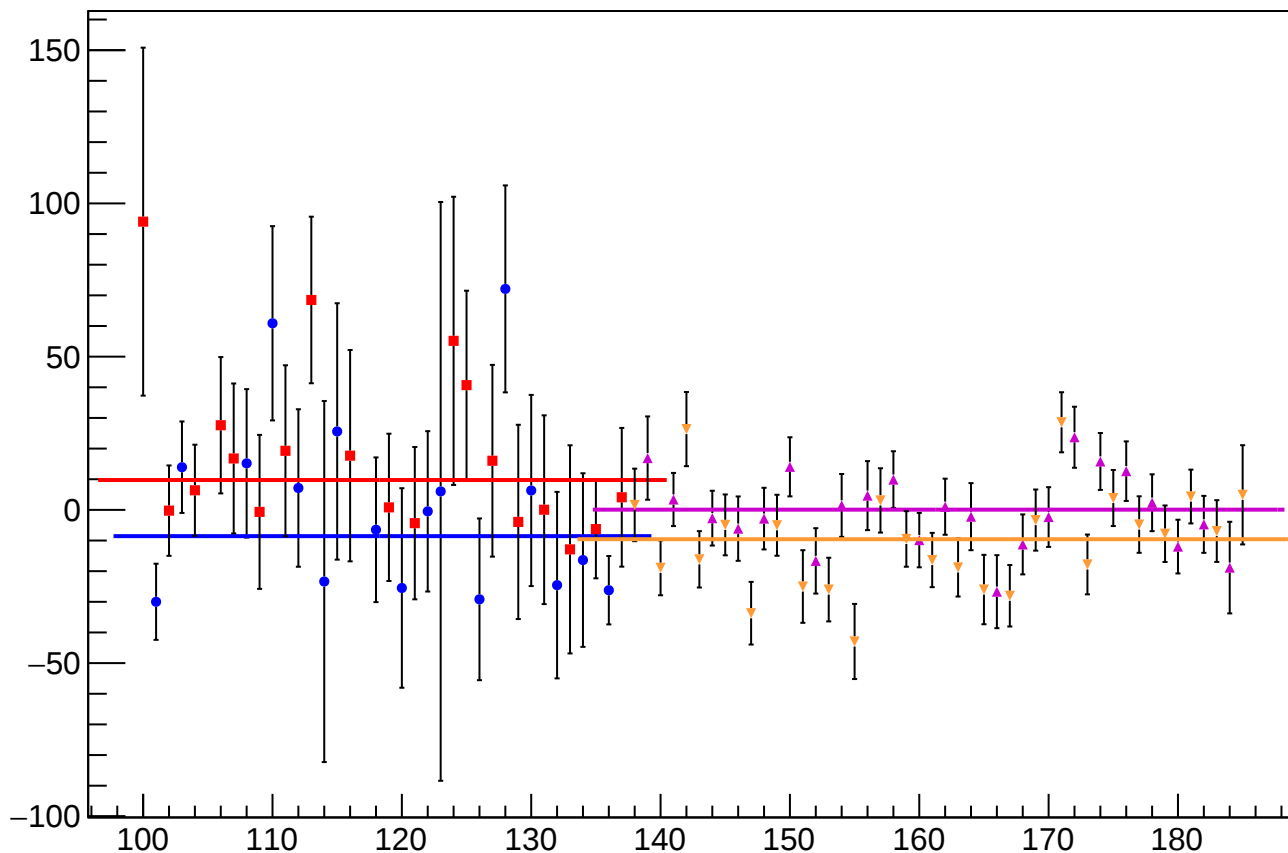
Right: 6812.726 ± 1.335 $\chi^2/\text{NDF}: 1251328.8/35$

In: 6619.867 ± 0.968 $\chi^2/\text{NDF}: 1099157.8/39$

Out: 6535.499 ± 0.929 $\chi^2/\text{NDF}: 1161670.7/43$

All: 6575.972 ± 0.670 $\chi^2/\text{NDF}: 2264781.5/83$

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.571 ± 5.419 χ^2/NDF : 21.9/16

Left Out: -9.574 ± 2.012 χ^2/NDF : 59.5/24

Right Out: 9.742 ± 5.521 χ^2/NDF : 12.7/18

Left In: 0.072 ± 2.073 χ^2/NDF : 29.8/22

Left: -4.895 ± 1.444 χ^2/NDF : 100.5/47

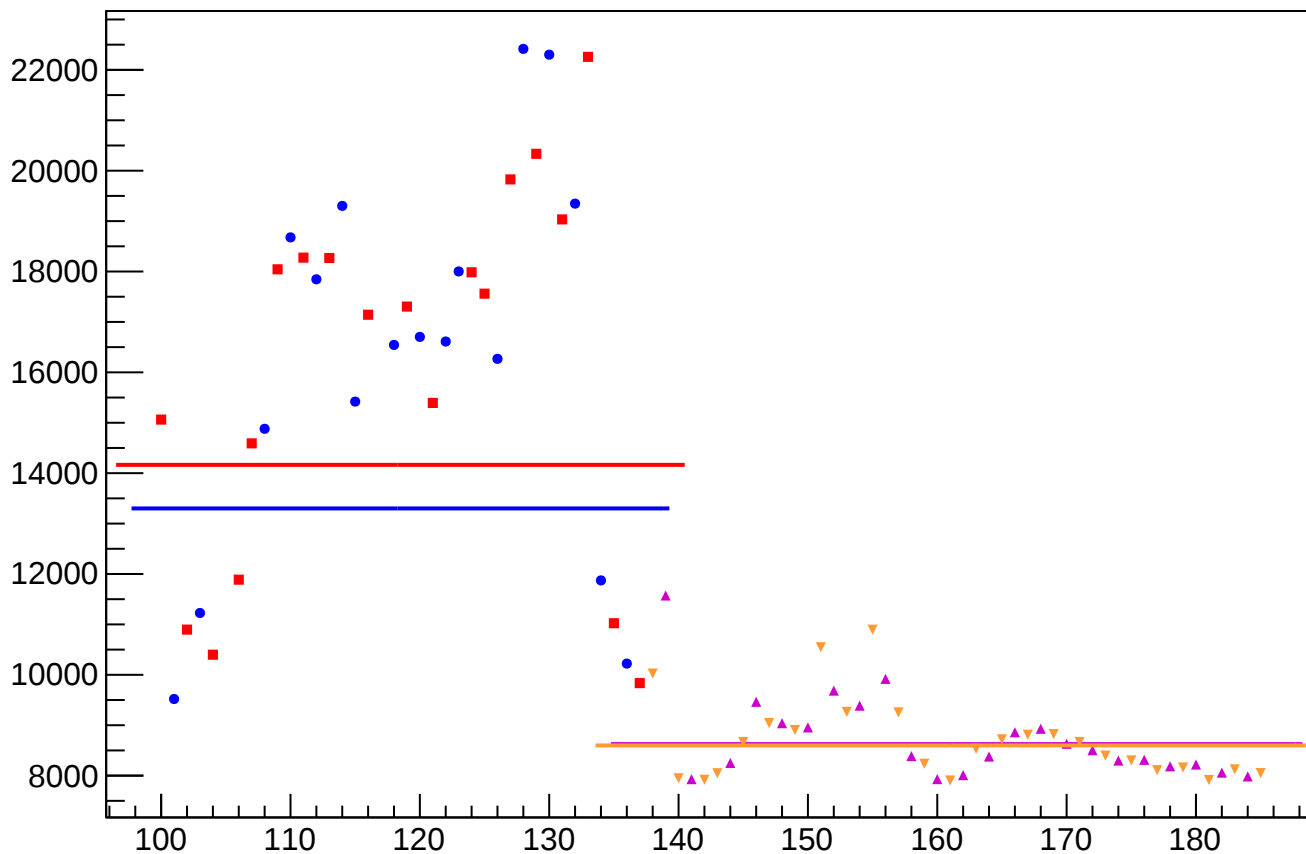
Right: 0.414 ± 3.867 χ^2/NDF : 40.2/35

In: -1.032 ± 1.936 χ^2/NDF : 53.9/39

Out: -7.309 ± 1.890 χ^2/NDF : 83.0/43

All: -4.245 ± 1.353 χ^2/NDF : 142.3/83

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13300.415 $\pm$ 3.832 χ^2 /NDF: 1048873.0/16

Left Out: 8598.871 $\pm$ 1.423 χ^2 /NDF:249147.8/24

Right Out: 14164.824 $\pm$ 3.904 χ^2 /NDF: 931262.5/18

Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

Left: 8611.660 $\pm$ 1.021 χ^2 /NDF: 486625.3/47

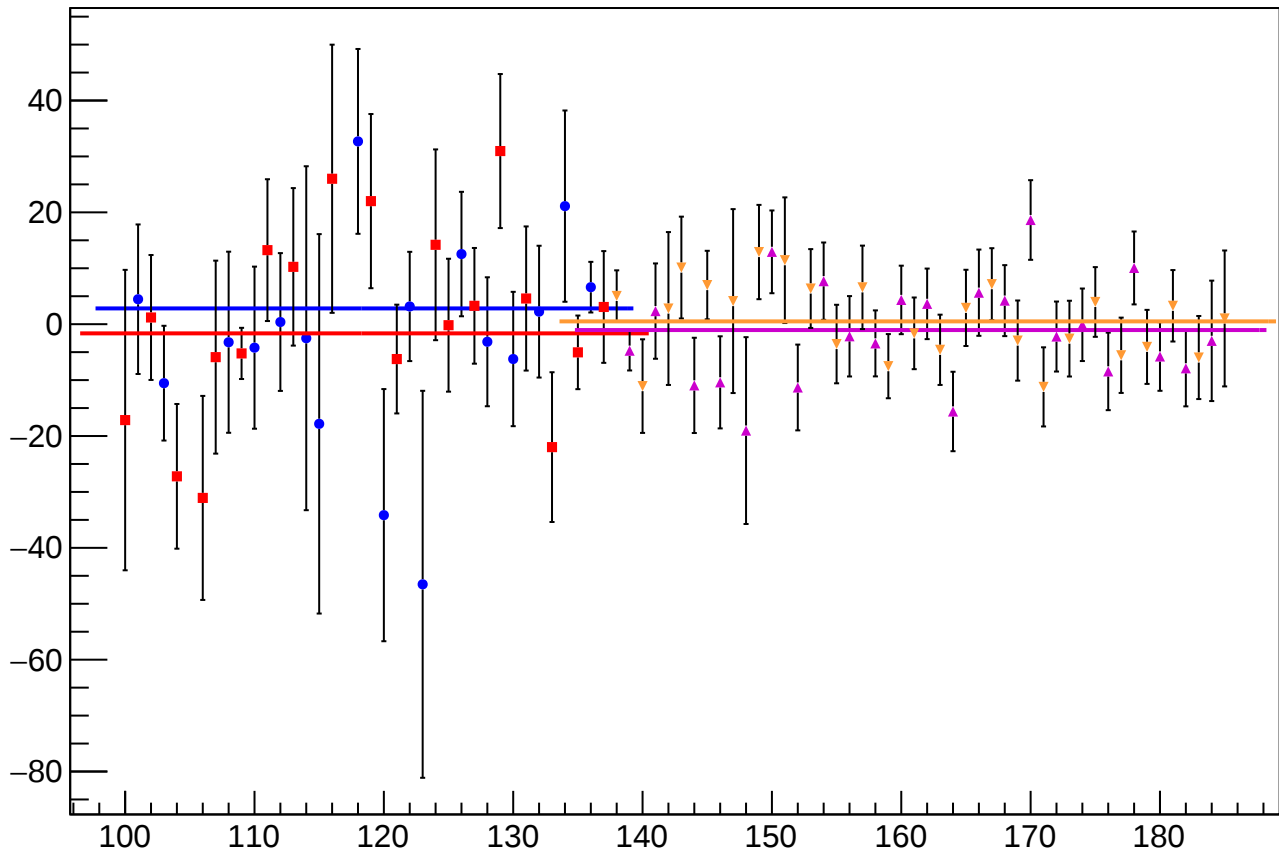
Right: 13724.540 $\pm$ 2.735 χ^2 /NDF: 2005107.5/35

In: 9221.982 $\pm$ 1.369 χ^2 /NDF:2584958.2/39

Out: 9251.409 $\pm$ 1.337 χ^2 /NDF:2974833.6/43

All: 9237.046 $\pm$ 0.956 χ^2 /NDF: 5560028.4/83

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.820 ± 2.762 $\chi^2/\text{NDF}: 14.0/16$

Left Out: 0.502 ± 1.418 $\chi^2/\text{NDF}: 19.7/24$

Right Out: -1.643 ± 2.447 $\chi^2/\text{NDF}: 23.3/18$

Left In: -1.050 ± 1.396 $\chi^2/\text{NDF}: 32.5/22$

Left: -0.287 ± 0.995 $\chi^2/\text{NDF}: 52.8/47$

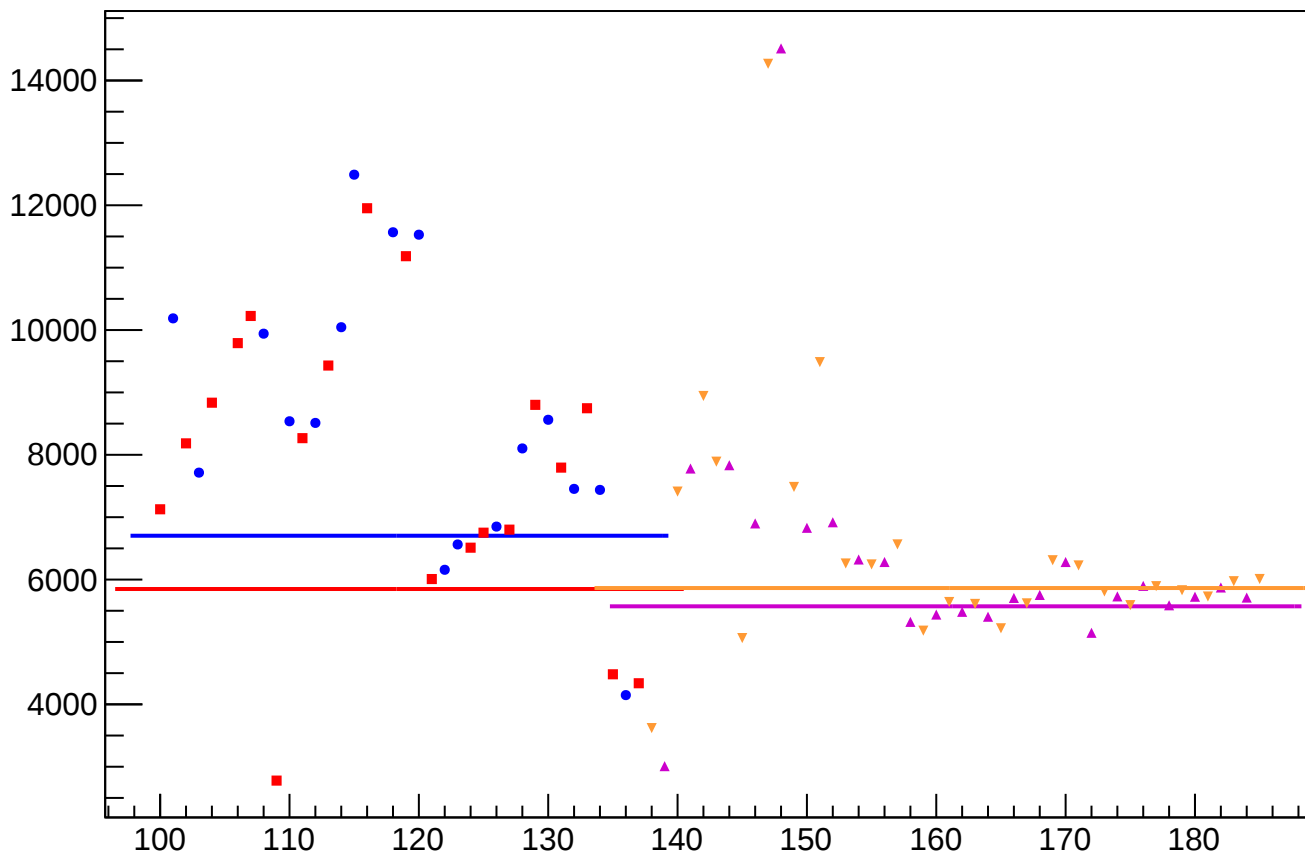
Right: 0.319 ± 1.832 $\chi^2/\text{NDF}: 38.7/35$

In: -0.263 ± 1.246 $\chi^2/\text{NDF}: 48.1/39$

Out: -0.038 ± 1.227 $\chi^2/\text{NDF}: 43.5/43$

All: -0.149 ± 0.874 $\chi^2/\text{NDF}: 91.6/83$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.778 $\pm$ 1.953 χ^2 /NDF: 1389564.7/16

Left Out: 5864.379 $\pm$ 1.003 χ^2 /NDF:1690496.2/24

Right Out: 5848.805 $\pm$ 1.731 χ^2 /NDF: 2281985.9/18

Left In: 5571.330 $\pm$ 0.987 χ^2 /NDF:2162788.3/22

Left: 5715.466 $\pm$ 0.703 χ^2 /NDF: 3896660.9/47

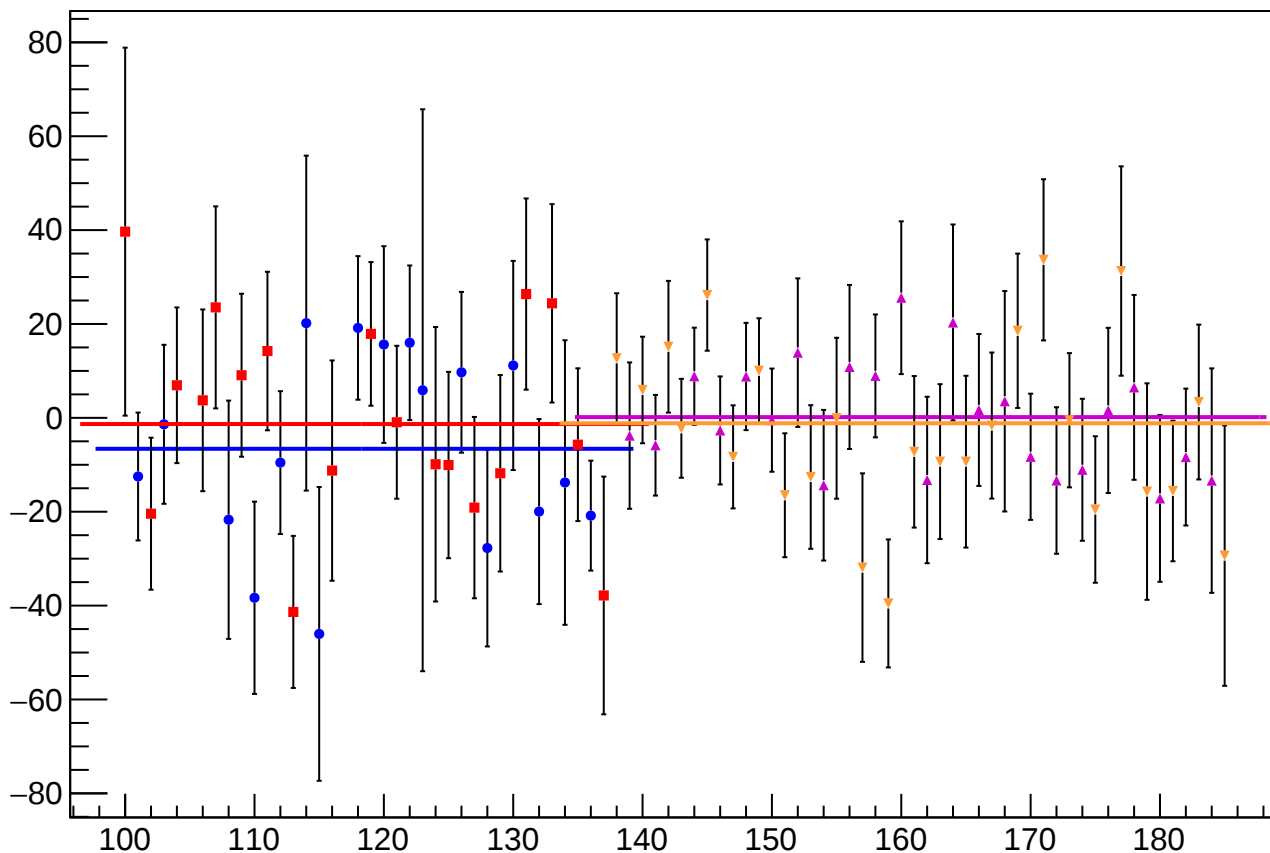
Right: 6224.325 $\pm$ 1.295 χ^2 /NDF: 3778631.4/35

In: 5801.372 $\pm$ 0.881 χ^2 /NDF:3819643.3/39

Out: 5860.462 $\pm$ 0.868 χ^2 /NDF:3972542.7/43

All: 5831.356 $\pm$ 0.618 χ^2 /NDF: 7794469.9/83

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -6.592 $\pm$ 4.559 χ^2/NDF : 15.7/16

Left Out: -1.146 $\pm$ 2.939 χ^2/NDF : 33.7/24

Right Out: -1.319 $\pm$ 4.382 χ^2/NDF : 20.1/18

Left In: 0.157 $\pm$ 3.058 χ^2/NDF : 11.5/22

Left: -0.520 $\pm$ 2.119 χ^2/NDF : 45.3/47

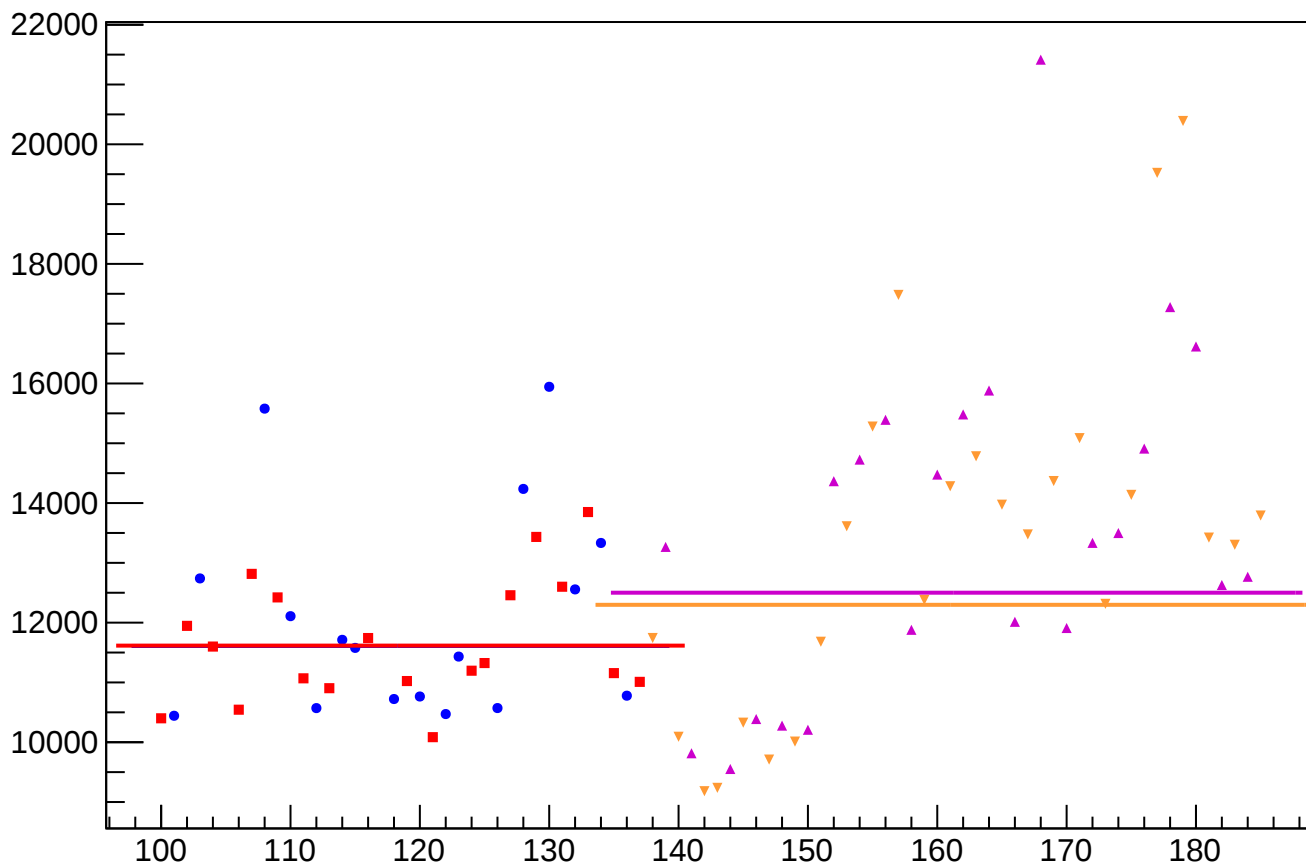
Right: -3.851 $\pm$ 3.160 χ^2/NDF : 36.4/35

In: -1.937 $\pm$ 2.540 χ^2/NDF : 28.7/39

Out: -1.200 $\pm$ 2.441 χ^2/NDF : 53.8/43

All: -1.554 $\pm$ 1.760 χ^2/NDF : 82.5/83

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11609.845+/-3.224 χ^2/NDF : 238142.5/16

Left Out: 12298.149+/-2.078 χ^2/NDF : 1505819.8/24

Right Out: 11615.563+/-3.099 χ^2/NDF : 95603.2/18

Left In: 12500.795+/-2.162 χ^2/NDF : 1357889.1/22

Left: 12395.454+/-1.498 χ^2/NDF : 2868274.3/47

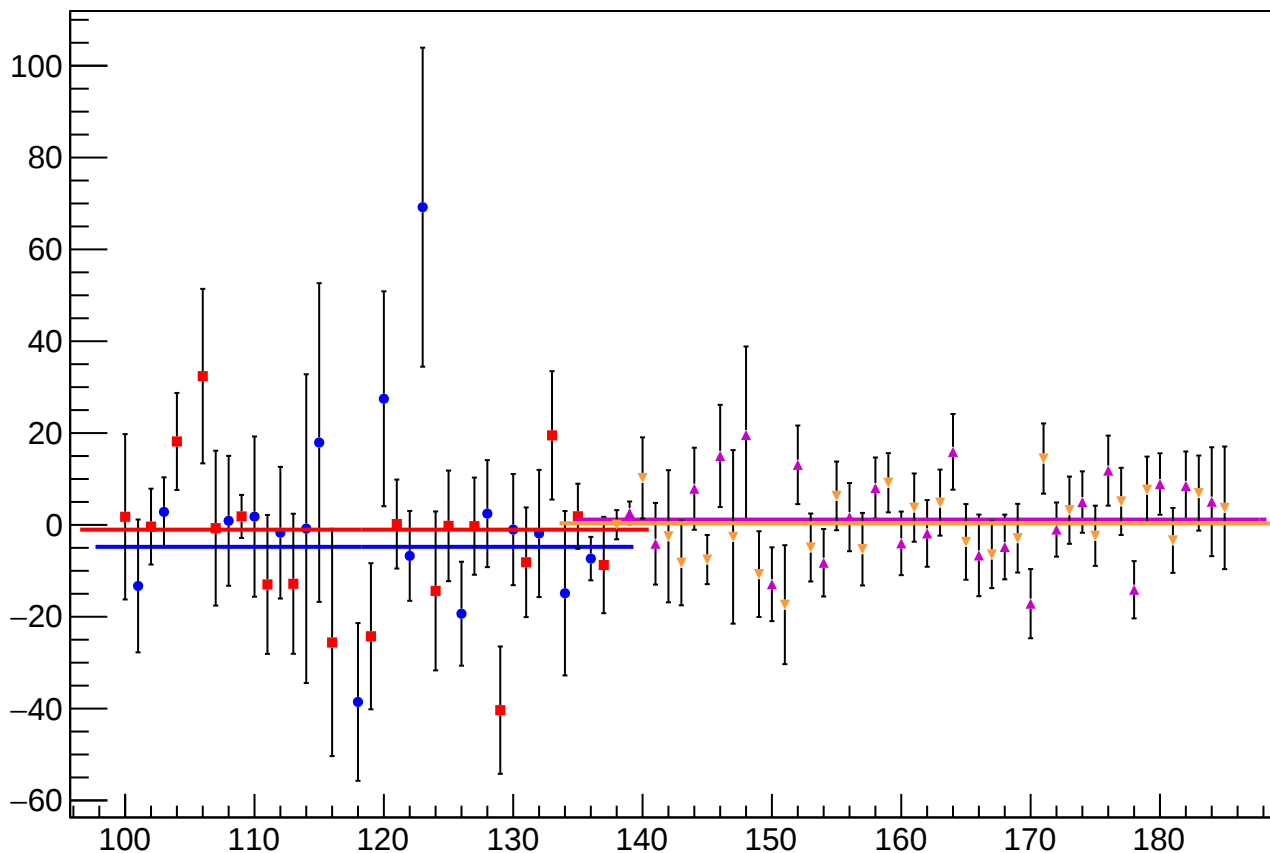
Right: 11612.817+/-2.234 χ^2/NDF : 333747.4/35

In: 12224.351+/-1.796 χ^2/NDF : 1648706.9/39

Out: 12086.383+/-1.726 χ^2/NDF : 1634890.0/43

All: 12152.634+/-1.244 χ^2/NDF : 3286665.0/86

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.776 ± 2.787 χ^2/NDF : 15.3/16

Left Out: 0.363 ± 1.435 χ^2/NDF : 19.2/24

Right Out: -1.032 ± 2.434 χ^2/NDF : 23.0/18

Left In: 1.165 ± 1.371 χ^2/NDF : 33.6/22

Left: 0.782 ± 0.991 χ^2/NDF : 53.0/47

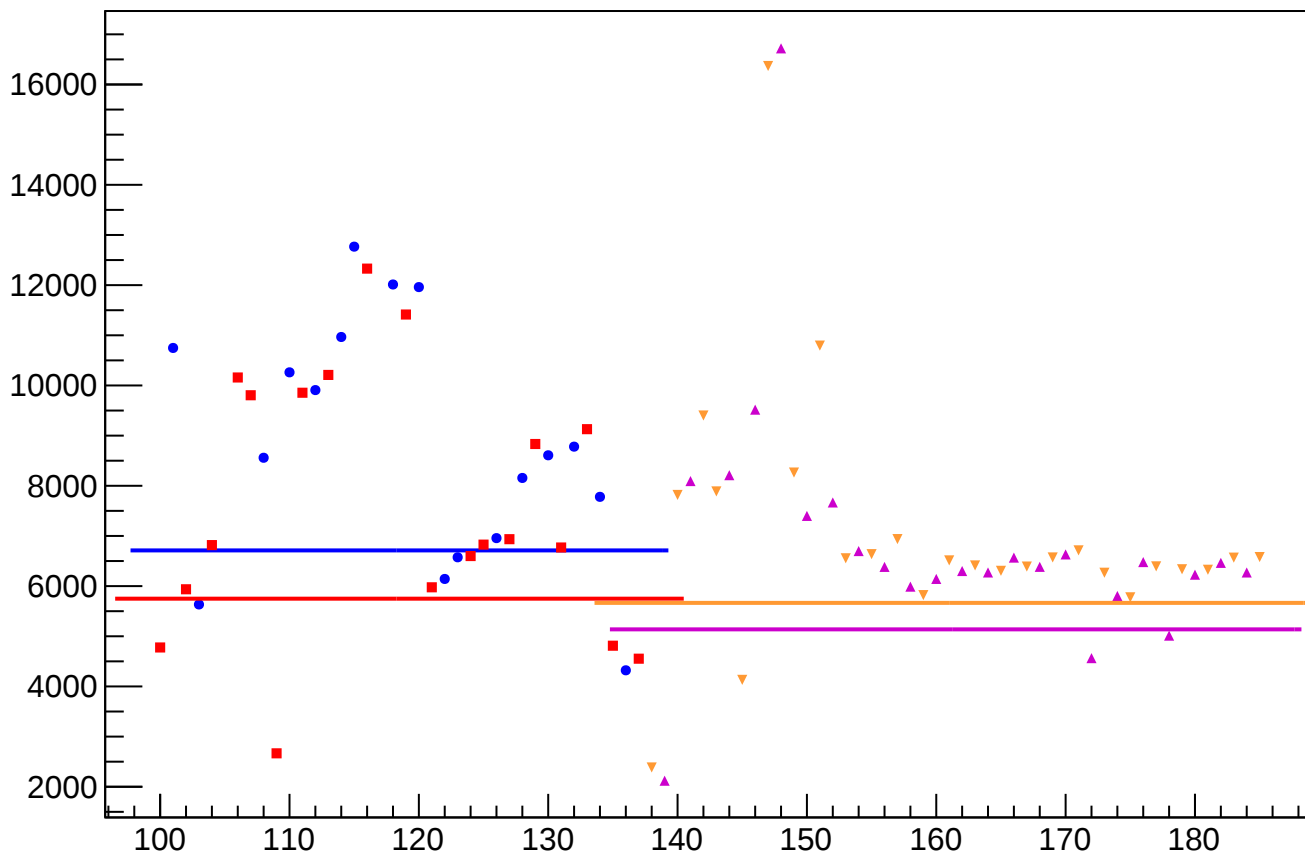
Right: -2.652 ± 1.833 χ^2/NDF : 39.3/35

In: 0.007 ± 1.231 χ^2/NDF : 52.5/39

Out: 0.003 ± 1.236 χ^2/NDF : 42.5/43

All: 0.005 ± 0.872 χ^2/NDF : 95.0/83

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.784 $\pm$ 1.971 χ^2 /NDF: 1446319.6/16

Left Out: 5665.697 $\pm$ 1.015 χ^2 /NDF: 4139194.0/24

Right Out: 5749.579 $\pm$ 1.721 χ^2 /NDF: 2167509.2/18

Left In: 5137.772 $\pm$ 0.970 χ^2 /NDF: 5495609.7/22

Left: 5389.824 $\pm$ 0.701 χ^2 /NDF: 9776309.5/47

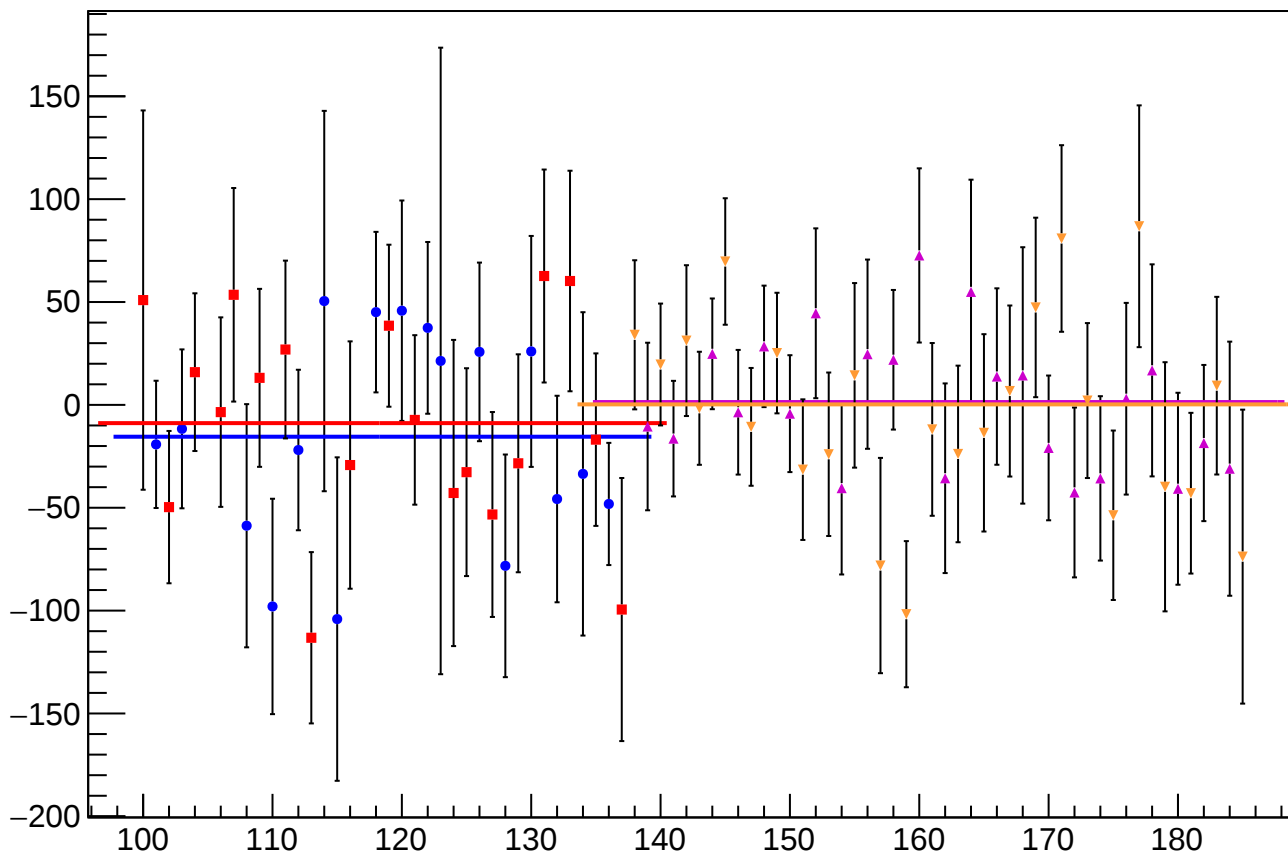
Right: 6165.779 $\pm$ 1.296 χ^2 /NDF: 3749071.1/35

In: 5444.533 $\pm$ 0.870 χ^2 /NDF: 7455404.2/39

Out: 5687.332 $\pm$ 0.874 χ^2 /NDF: 6308466.5/43

All: 5565.400 $\pm$ 0.617 χ^2 /NDF: 13802633.3/86

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -15.474 ± 11.317 χ^2/NDF : 14.7/16

Left Out: 0.252 ± 7.684 χ^2/NDF : 31.3/24

Right Out: -8.865 ± 10.914 χ^2/NDF : 19.3/18

Left In: 1.374 ± 7.990 χ^2/NDF : 13.3/22

Left: 0.791 ± 5.538 χ^2/NDF : 44.6/47

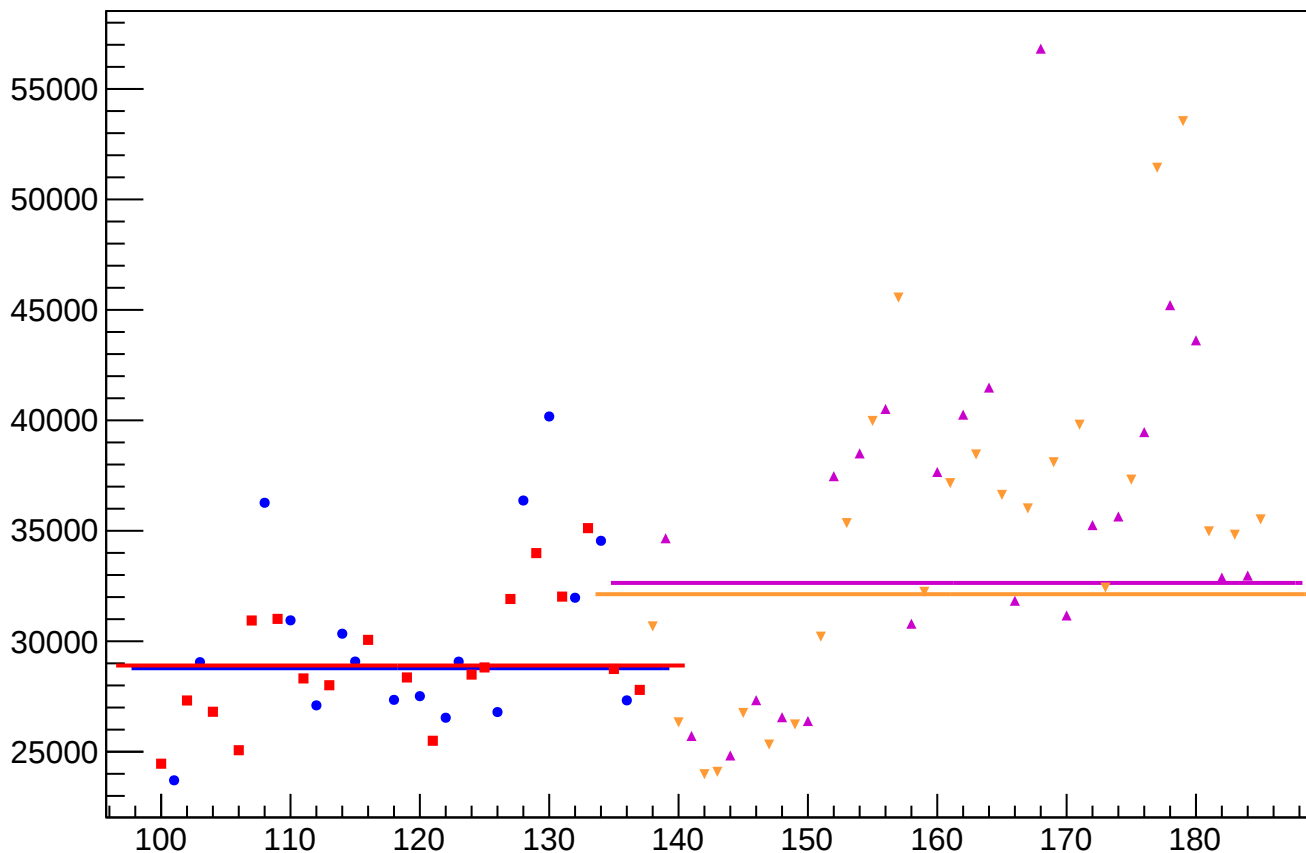
Right: -12.049 ± 7.856 χ^2/NDF : 34.1/35

In: -4.230 ± 6.527 χ^2/NDF : 29.4/39

Out: -2.770 ± 6.283 χ^2/NDF : 51.1/43

All: -3.472 ± 4.527 χ^2/NDF : 80.5/83

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28779.223+/-8.003

χ^2/NDF : 252972.7/16

Left Out: 32130.905+/-5.433

χ^2/NDF : 1539862.1/24

Right Out: 28902.401+/-7.717

χ^2/NDF : 112698.1/18

Left In: 32641.162+/-5.650

χ^2/NDF : 1402162.4/22

Left: 32376.063+/-3.916 χ^2/NDF : 2946261.9/47

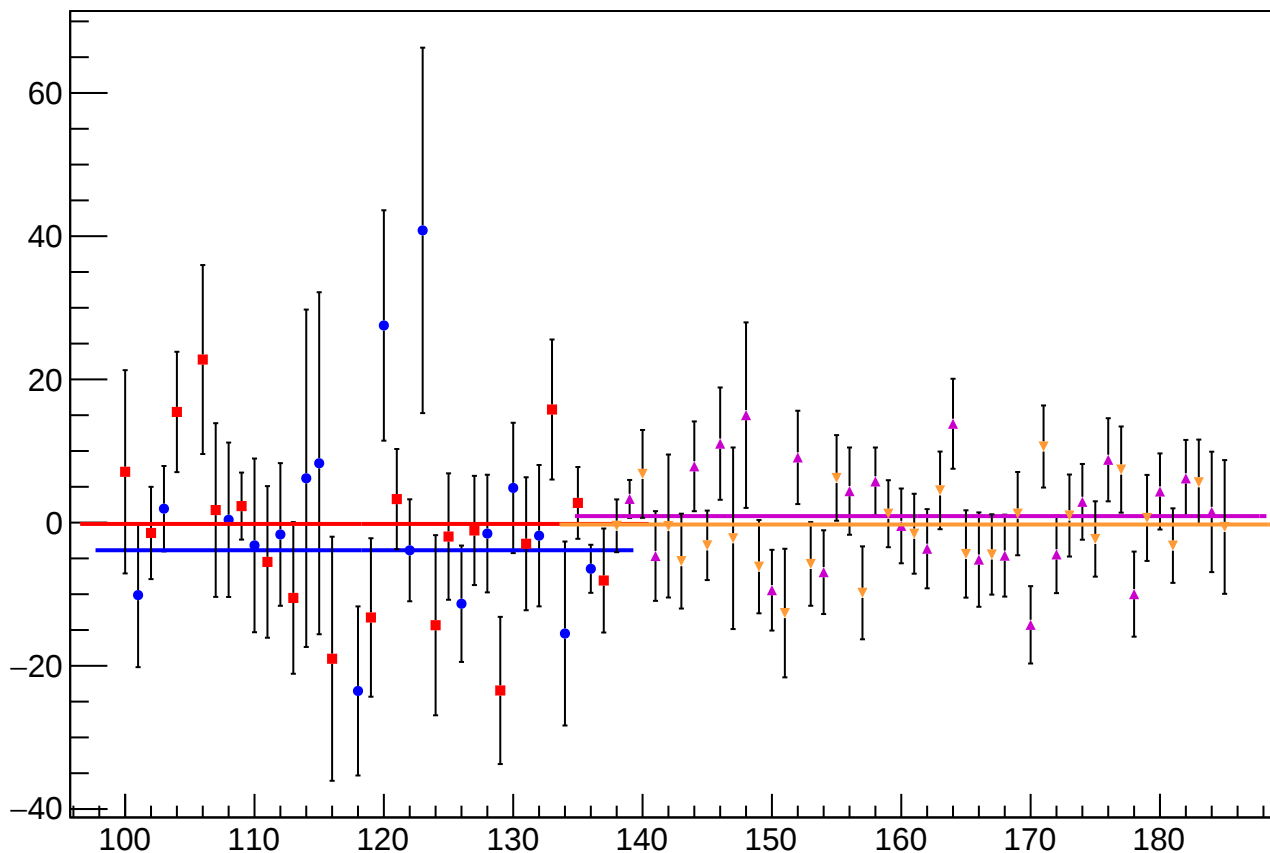
Right: 28843.046+/-5.555 χ^2/NDF : 365793.6/35

In: 31356.480+/-4.616 χ^2/NDF : 1810555.1/39

Out: 31060.940+/-4.443 χ^2/NDF : 1769574.1/43

All: 31203.073+/-3.201 χ^2/NDF : 3582257.4/8

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.861 ± 2.014 $\chi^2/\text{NDF}: 14.9/16$

Left Out: -0.265 ± 1.172 $\chi^2/\text{NDF}: 18.0/24$

Right Out: -0.185 ± 1.897 $\chi^2/\text{NDF}: 21.9/18$

Left In: 0.908 ± 1.142 $\chi^2/\text{NDF}: 36.2/22$

Left: 0.337 ± 0.818 $\chi^2/\text{NDF}: 54.7/47$

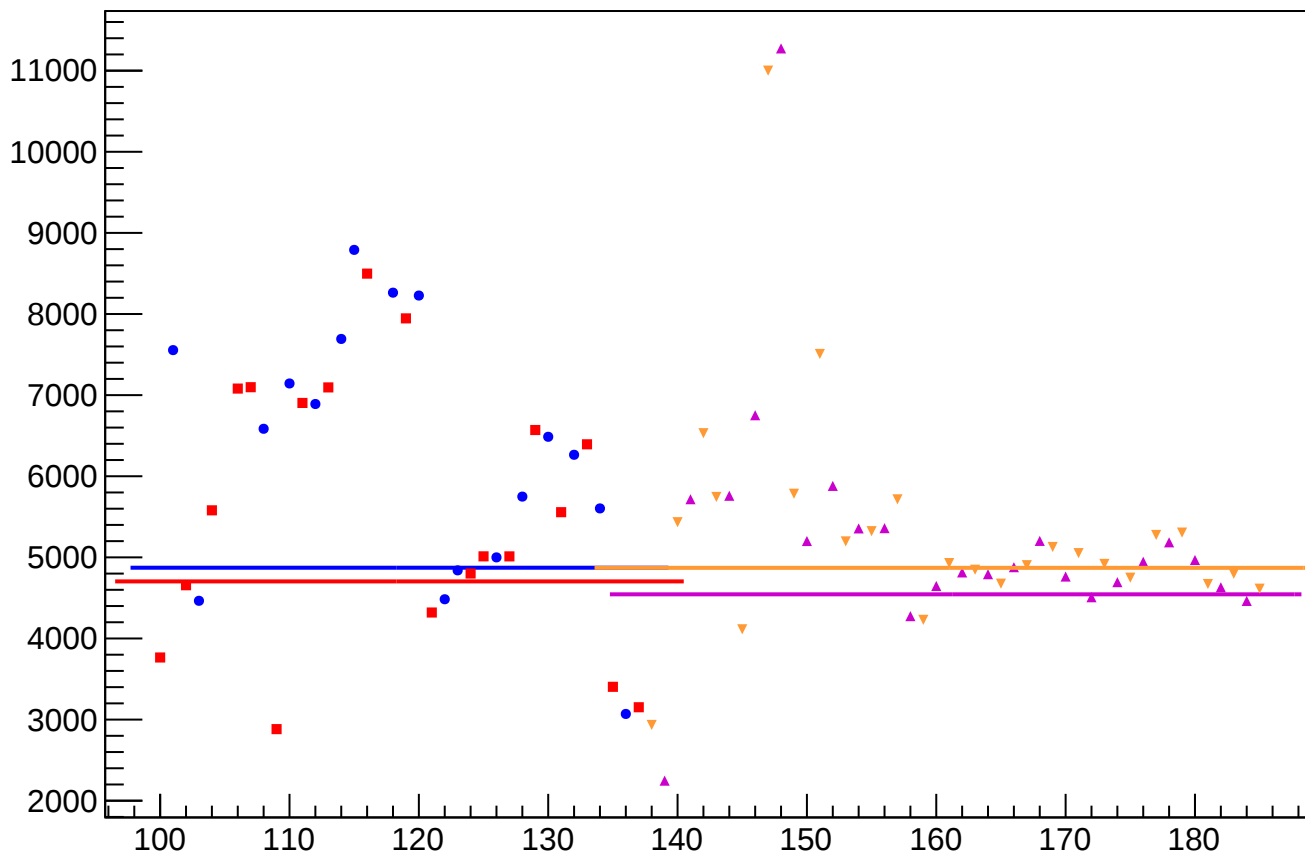
Right: -1.913 ± 1.381 $\chi^2/\text{NDF}: 38.6/35$

In: -0.253 ± 0.994 $\chi^2/\text{NDF}: 55.3/39$

Out: -0.243 ± 0.997 $\chi^2/\text{NDF}: 39.9/43$

All: -0.248 ± 0.704 $\chi^2/\text{NDF}: 95.3/83$

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.339+/-1.424 χ^2/NDF : 1404599.6/16

Left Out: 4870.872+/-0.829 χ^2/NDF : 1510492.9/24

Right Out: 4703.667+/-1.341 χ^2/NDF : 1315659.7/18

Left In: 4544.337+/-0.808 χ^2/NDF : 2634314.4/22

Left: 4703.362+/-0.578 χ^2/NDF : 4224415.0/47

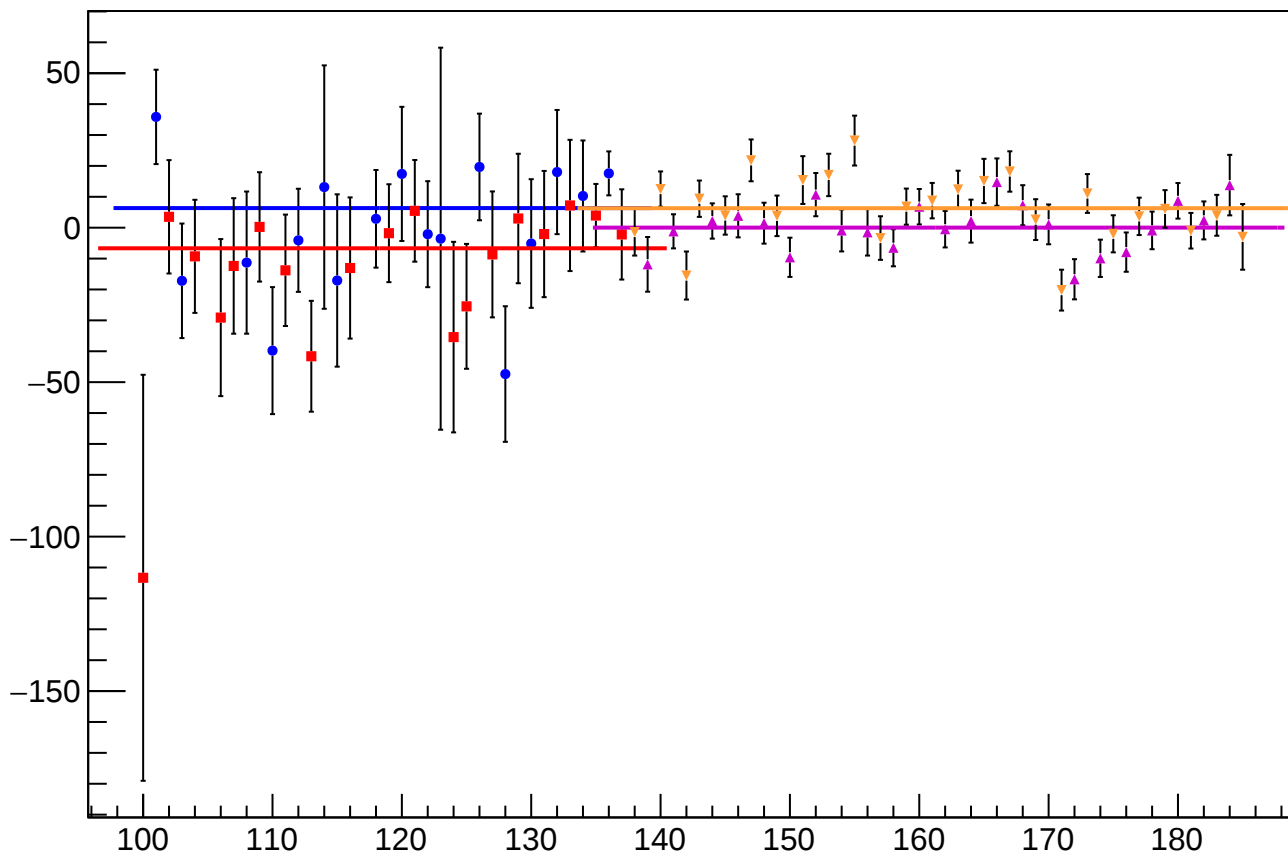
Right: 4782.958+/-0.976 χ^2/NDF : 2727693.9/35

In: 4624.167+/-0.703 χ^2/NDF : 4079056.1/39

Out: 4824.659+/-0.705 χ^2/NDF : 2837398.6/43

All: 4724.043+/-0.498 χ^2/NDF : 6957028.2/83

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.348 $\pm$ 4.088 χ^2 /NDF: 22.4/16

Left Out: 6.303 $\pm$ 1.310 χ^2 /NDF:56.5/24

Right Out: -6.668 $\pm$ 4.232 χ^2 /NDF: 12.2/18

Left In: 0.020 $\pm$ 1.353 χ^2 /NDF:29.9/22

Left: 3.263 $\pm$ 0.941 χ^2 /NDF: 97.6/47

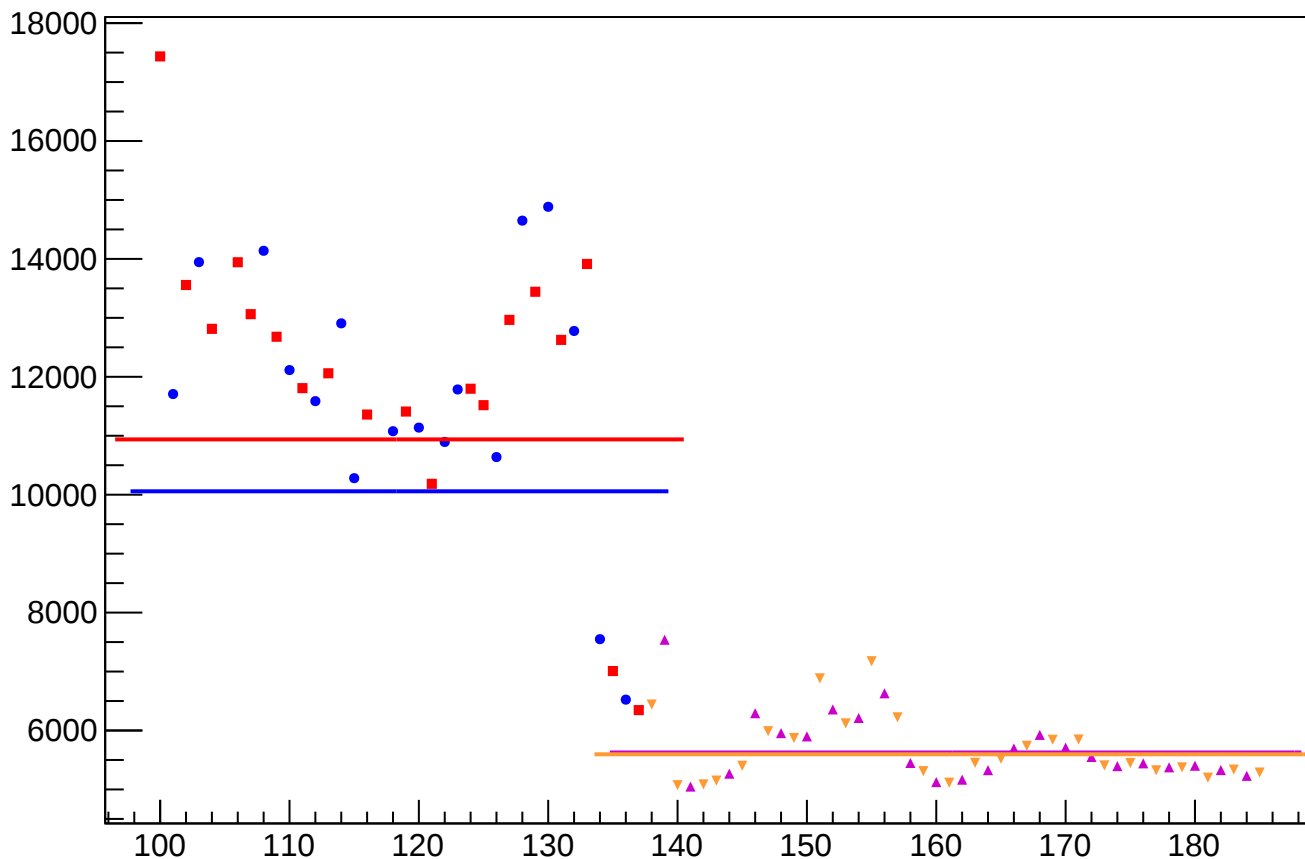
Right: 0.065 $\pm$ 2.941 χ^2 /NDF: 39.6/35

In: 0.645 $\pm$ 1.285 χ^2 /NDF:54.5/39

Out: 5.169 $\pm$ 1.252 χ^2 /NDF:77.3/43

All: 2.965 $\pm$ 0.896 χ^2 /NDF: 138.2/83

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10057.738 $\pm$ 2.891 χ^2/NDF : 1007657.1/16

Left Out: 5596.288 $\pm$ 0.927 χ^2/NDF : 284064.2/24

Right Out: 10938.028 $\pm$ 2.993 χ^2/NDF : 764124.4/18

Left In: 5627.283 $\pm$ 0.957 χ^2/NDF : 279318.7/22

Left: 5611.288 $\pm$ 0.666 χ^2/NDF : 563924.5/47

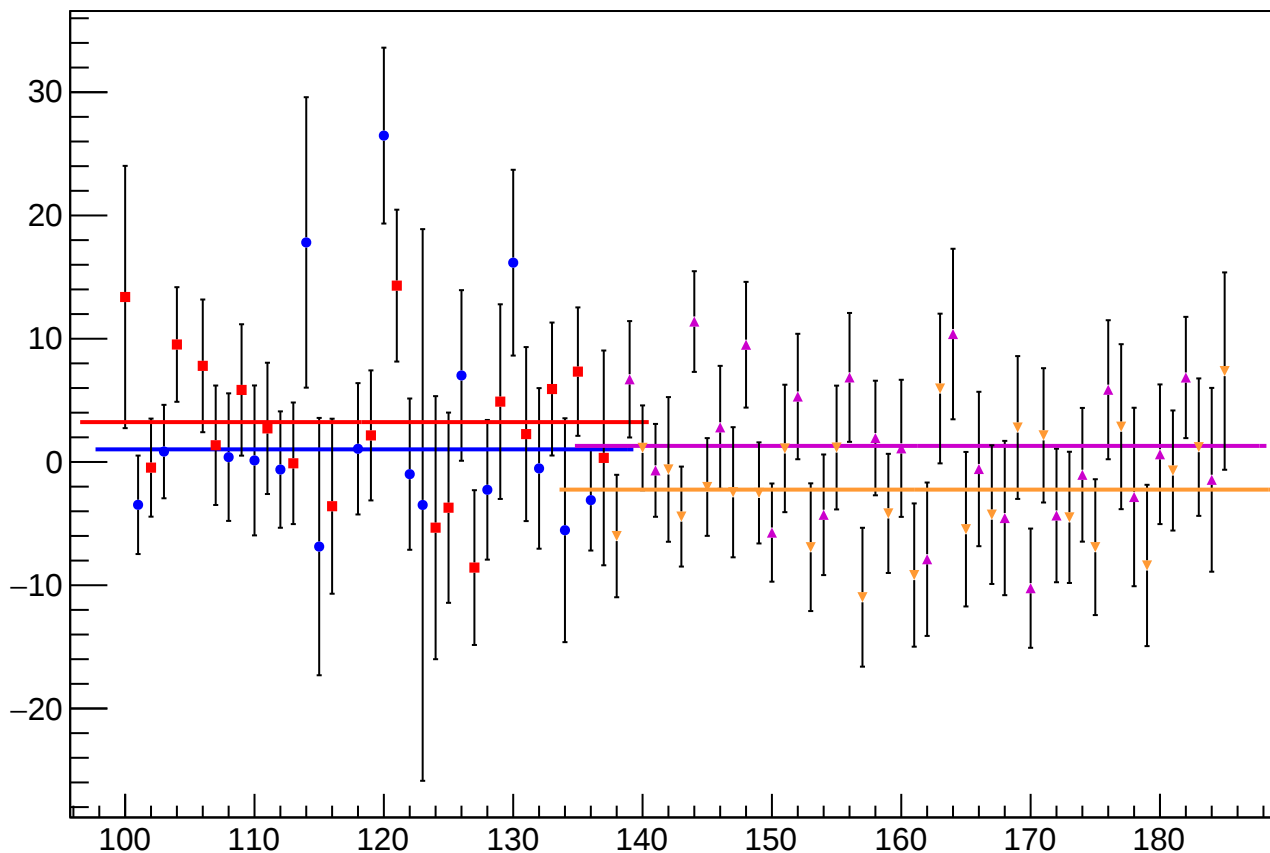
Right: 10482.673 $\pm$ 2.079 χ^2/NDF : 1816537.6/35

In: 6064.637 $\pm$ 0.908 χ^2/NDF : 3403695.7/39

Out: 6063.526 $\pm$ 0.885 χ^2/NDF : 3955486.1/43

All: 6064.067 $\pm$ 0.634 χ^2/NDF : 7359182.6/83

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.024 $\pm$ 1.405 χ^2 /NDF: 23.6/16

Left Out: -2.242 $\pm$ 1.030 χ^2 /NDF:15.5/24

Right Out: 3.235 $\pm$ 1.336 χ^2 /NDF: 15.4/18

Left In: 1.305 $\pm$ 1.077 χ^2 /NDF:30.8/22

Left: -0.549 $\pm$ 0.744 χ^2 /NDF: 52.0/47

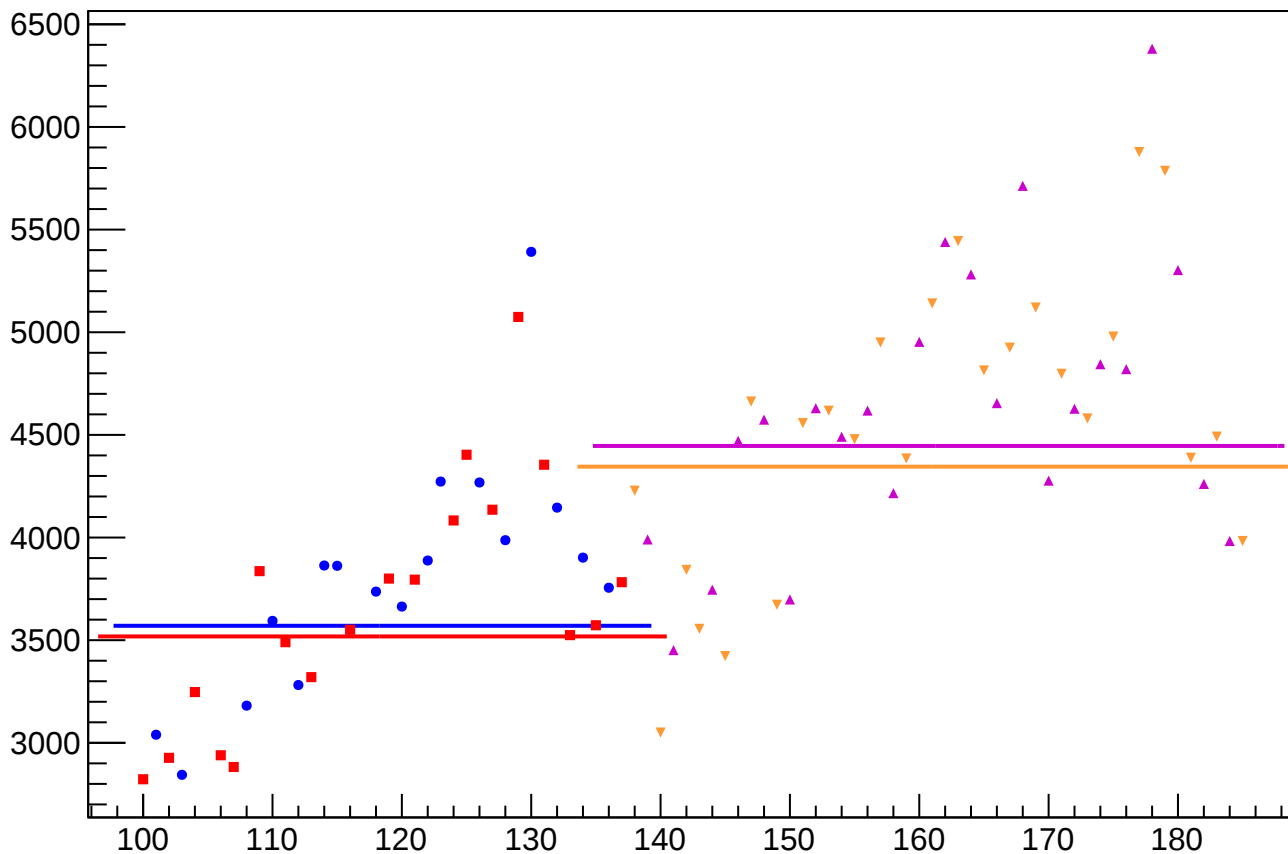
Right: 2.186 $\pm$ 0.968 χ^2 /NDF: 40.3/35

In: 1.201 $\pm$ 0.855 χ^2 /NDF:54.4/39

Out: -0.201 $\pm$ 0.815 χ^2 /NDF:41.5/43

All: 0.467 $\pm$ 0.590 χ^2 /NDF: 97.3/83

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.193 $\pm$ 0.994 χ^2 /NDF: 310317.2/16

Left Out: 4345.278 $\pm$ 0.728 χ^2 /NDF: 1000587.8/24

Right Out: 3518.219 $\pm$ 0.944 χ^2 /NDF: 296342.1/18

Left In: 4446.181 $\pm$ 0.762 χ^2 /NDF: 702797.6/22

Left: 4393.455 $\pm$ 0.526 χ^2 /NDF: 1712557.8/47

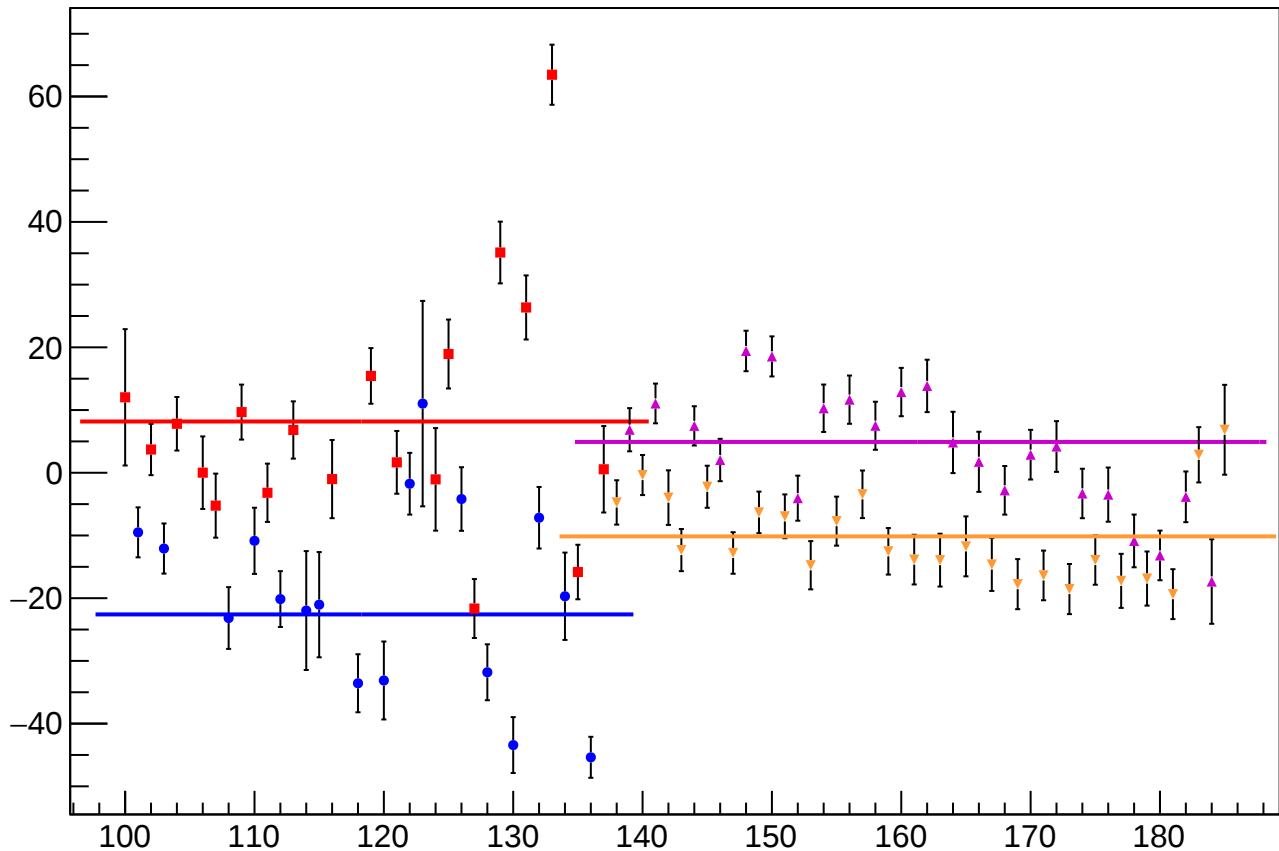
Right: 3542.887 $\pm$ 0.685 χ^2 /NDF: 608096.5/35

In: 4122.031 $\pm$ 0.604 χ^2 /NDF: 1502667.8/39

Out: 4037.045 $\pm$ 0.577 χ^2 /NDF: 1777941.5/43

All: 4077.533 $\pm$ 0.417 χ^2 /NDF: 3290959.0/83

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.588 ± 1.203 $\chi^2/\text{NDF}: 151.6/16$

Left Out: -10.145 ± 0.776 $\chi^2/\text{NDF}: 67.1/24$

Right Out: 8.176 ± 1.159 $\chi^2/\text{NDF}: 275.9/18$

Left In: 4.911 ± 0.797 $\chi^2/\text{NDF}: 127.9/22$

Left: -2.824 ± 0.556 $\chi^2/\text{NDF}: 378.3/47$

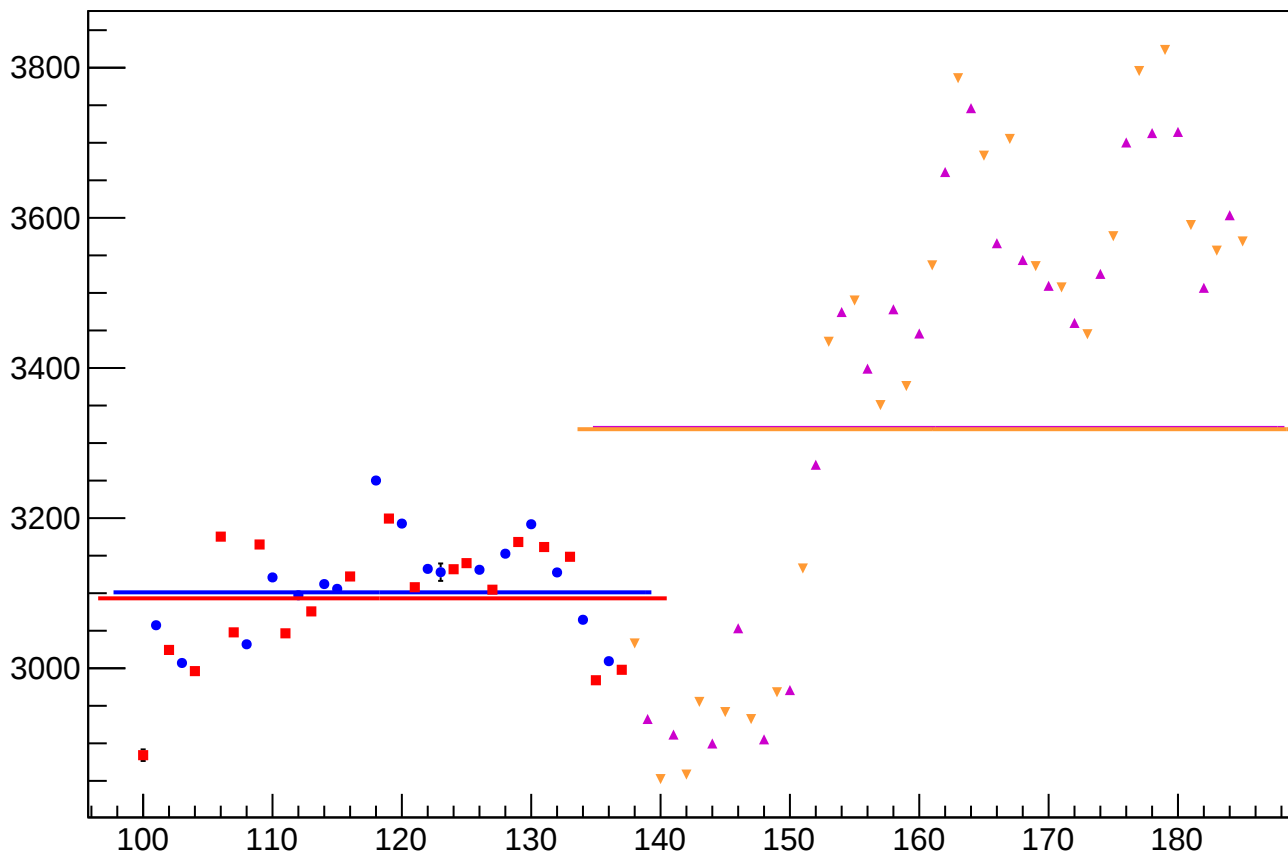
Right: -6.636 ± 0.834 $\chi^2/\text{NDF}: 766.8/35$

In: -3.482 ± 0.664 $\chi^2/\text{NDF}: 642.8/39$

Out: -4.478 ± 0.645 $\chi^2/\text{NDF}: 515.6/43$

All: -3.995 ± 0.463 $\chi^2/\text{NDF}: 1159.6/83$

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.155+/-0.850 χ^2/NDF : 7225.5/16

Left Out: 3318.462+/-0.548 χ^2/NDF : 337667.5/24

Right Out: 3093.153+/-0.819 χ^2/NDF : 7805.1/18

Left In: 3320.170+/-0.564 χ^2/NDF : 287634.9/22

Left: 3319.293+/-0.393 χ^2/NDF : 625307.2/47

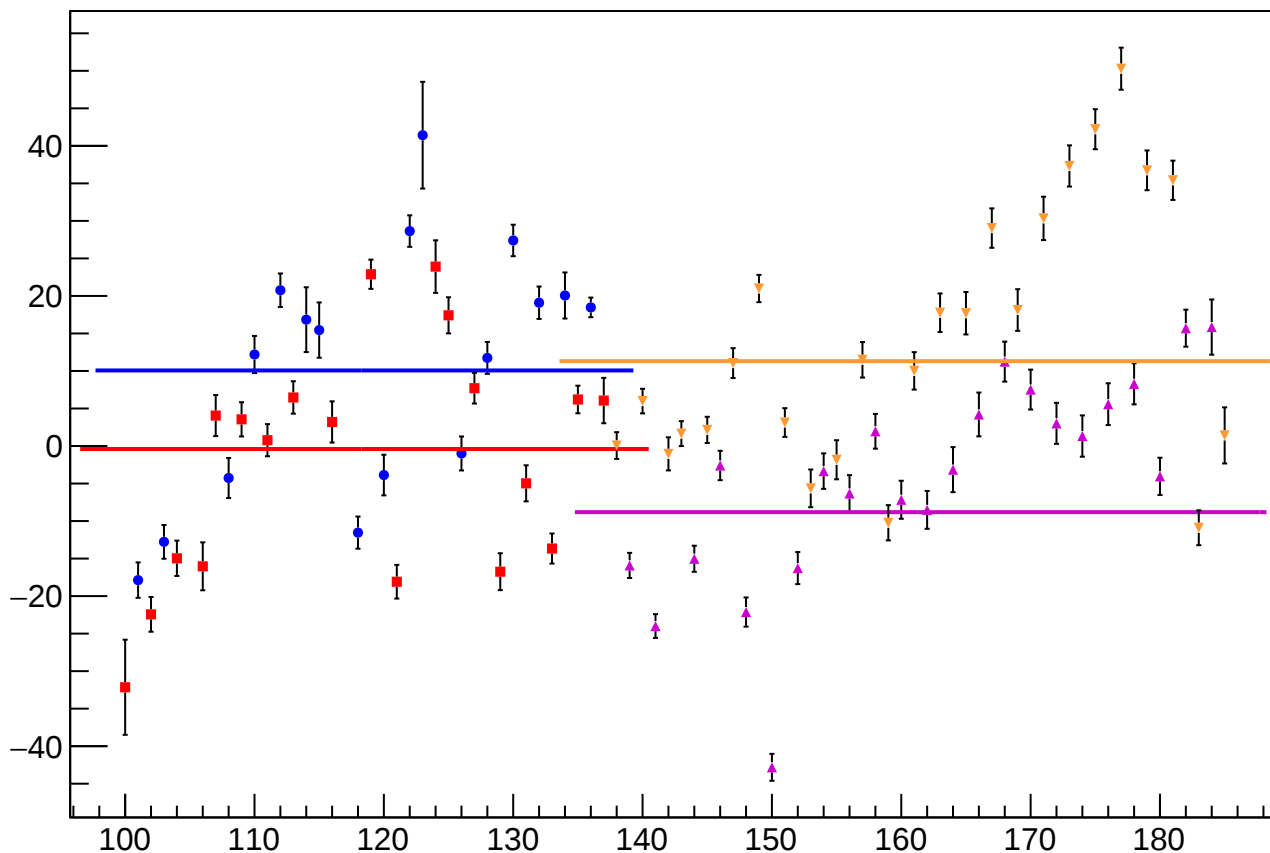
Right: 3097.006+/-0.590 χ^2/NDF : 15076.5/35

In: 3253.318+/-0.470 χ^2/NDF : 340945.8/39

Out: 3248.767+/-0.456 χ^2/NDF : 397687.5/43

All: 3250.974+/-0.327 χ^2/NDF : 738681.6/83

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.071 ± 0.563 χ^2/NDF : 688.1/16

Left Out: 11.307 ± 0.454 χ^2/NDF : 1144.4/24

Right Out: -0.397 ± 0.548 χ^2/NDF : 629.0/18

Left In: -8.815 ± 0.475 χ^2/NDF : 942.2/22

Left: 1.710 ± 0.328 χ^2/NDF : 3023.8/47

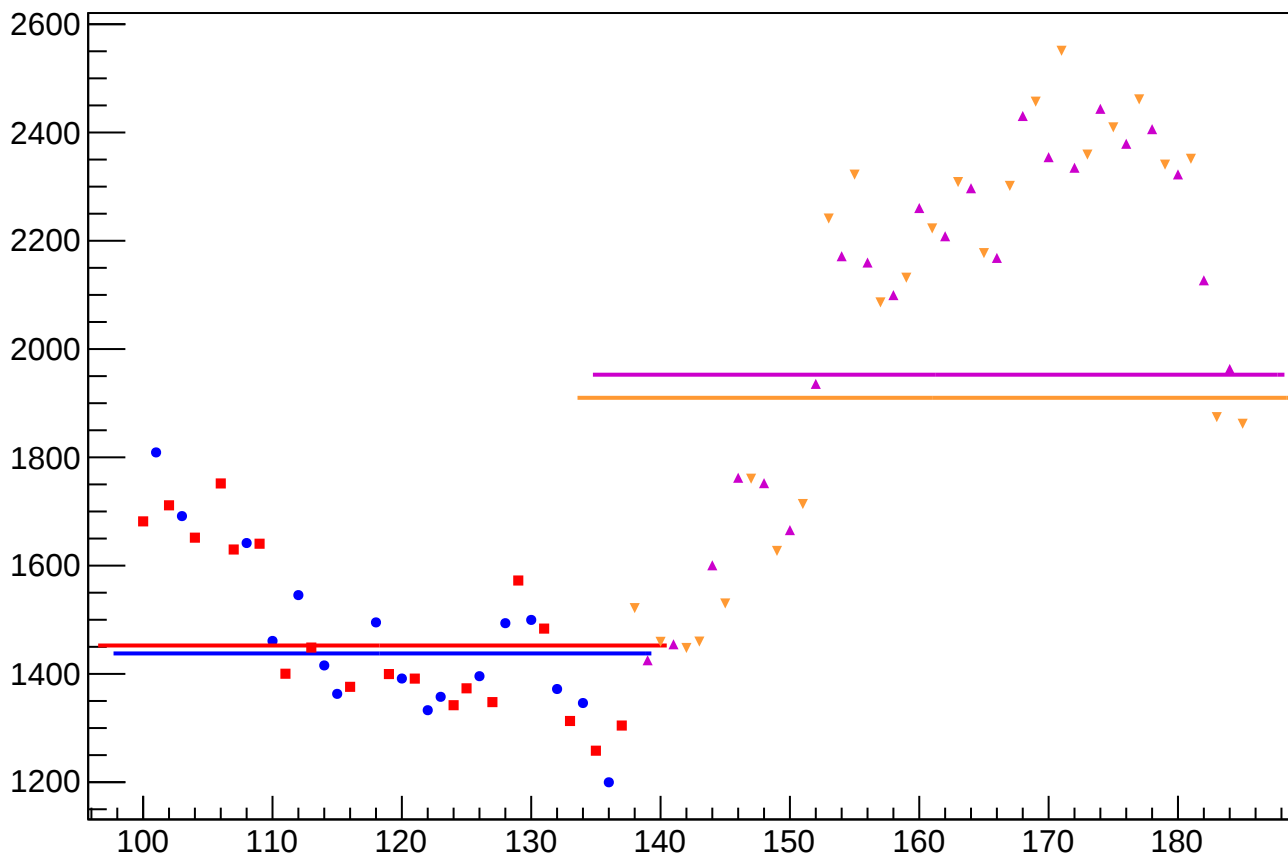
Right: 4.698 ± 0.393 χ^2/NDF : 1494.8/35

In: -0.949 ± 0.363 χ^2/NDF : 2287.7/39

Out: 6.544 ± 0.350 χ^2/NDF : 2044.0/43

All: 2.940 ± 0.252 χ^2/NDF : 4552.7/83

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.799 $\pm$ 0.398 χ^2 /NDF: 173192.9/16

Left Out: 1909.958 $\pm$ 0.321 χ^2 /NDF:1399474.4/24

Right Out: 1452.461 $\pm$ 0.387 χ^2 /NDF: 138487.1/18

Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

Left: 1930.313 $\pm$ 0.232 χ^2 /NDF: 2473241.0/47

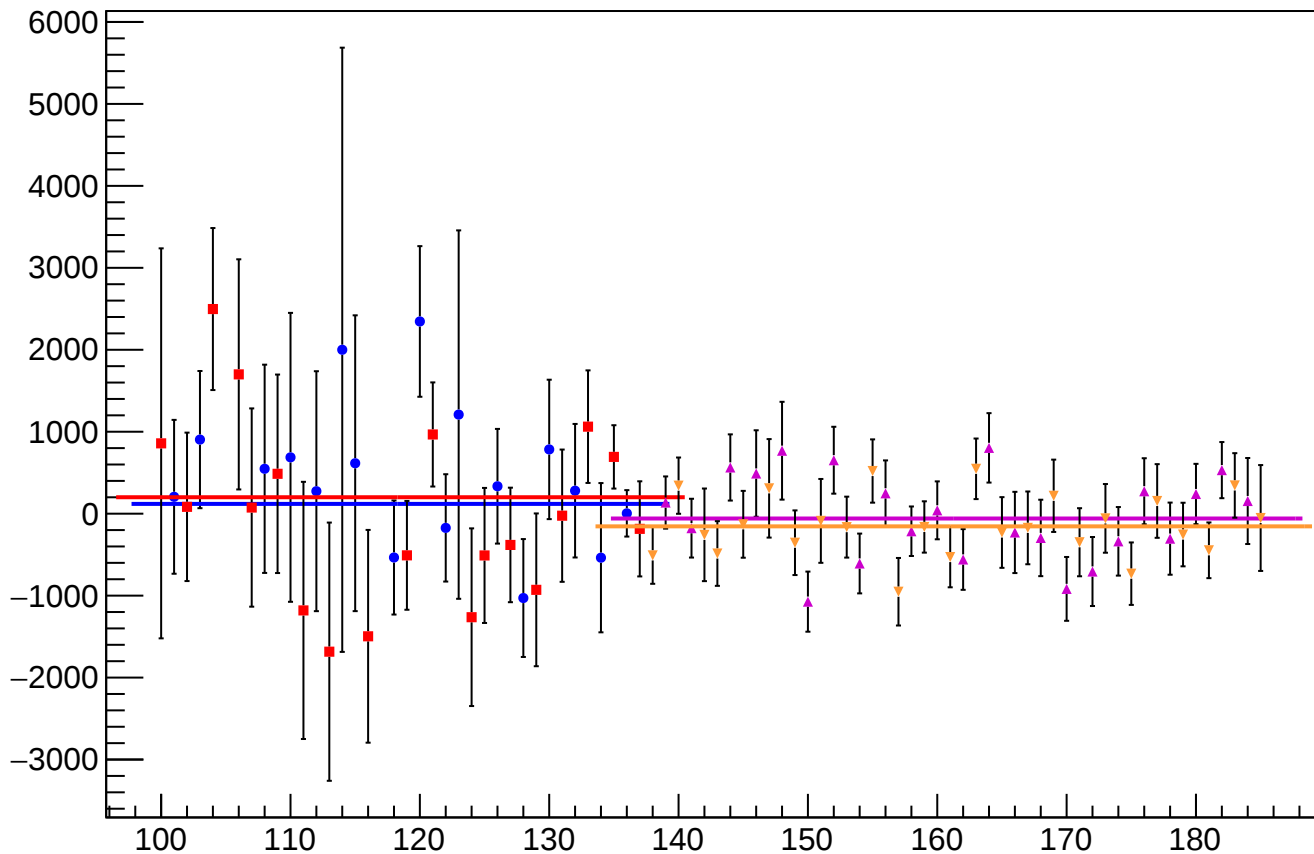
Right: 1445.324 $\pm$ 0.278 χ^2 /NDF: 312377.0/35

In: 1738.212 $\pm$ 0.257 χ^2 /NDF:2215579.0/39

Out: 1723.774 $\pm$ 0.247 χ^2 /NDF:2364810.3/43

All: 1730.718 $\pm$ 0.178 χ^2 /NDF: 4582030.4/83

asym_sam1_mean vs Slug, Sign Corrected



Right In: 119.363+/-180.601 χ^2/NDF : 12.6/16

Left Out: -154.695+/-80.811 χ^2/NDF : 22.4/24

Right Out: 200.642+/-184.789 χ^2/NDF : 21.7/18

Left In: -58.934+/-82.584 χ^2/NDF : 38.5/22

Left: -107.853+/-57.759 χ^2/NDF : 61.7/47

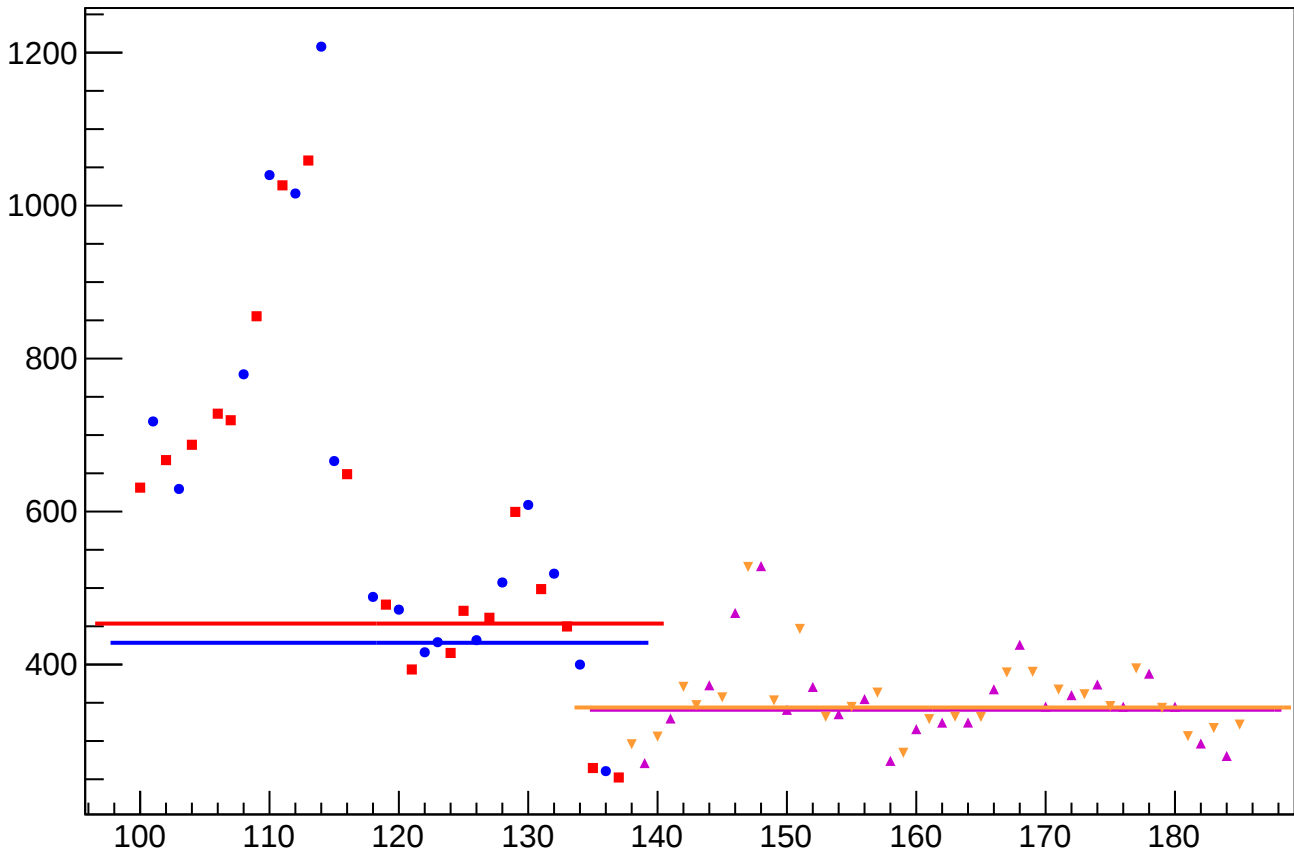
Right: 159.071+/-129.160 χ^2/NDF : 34.4/35

In: -28.099+/-75.105 χ^2/NDF : 52.0/39

Out: -97.648+/-74.040 χ^2/NDF : 47.2/43

All: -63.370+/-52.727 χ^2/NDF : 99.6/83

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.425 $\pm$ 0.128 χ^2/NDF : 2006981.5/16

Left Out: 343.828 $\pm$ 0.057 χ^2/NDF : 539158.2/24

Right Out: 453.578 $\pm$ 0.131 χ^2/NDF : 2032377.4/18

Left In: 340.876 $\pm$ 0.058 χ^2/NDF : 724672.0/22

Left: 342.384 $\pm$ 0.041 χ^2/NDF : 1265135.6/47

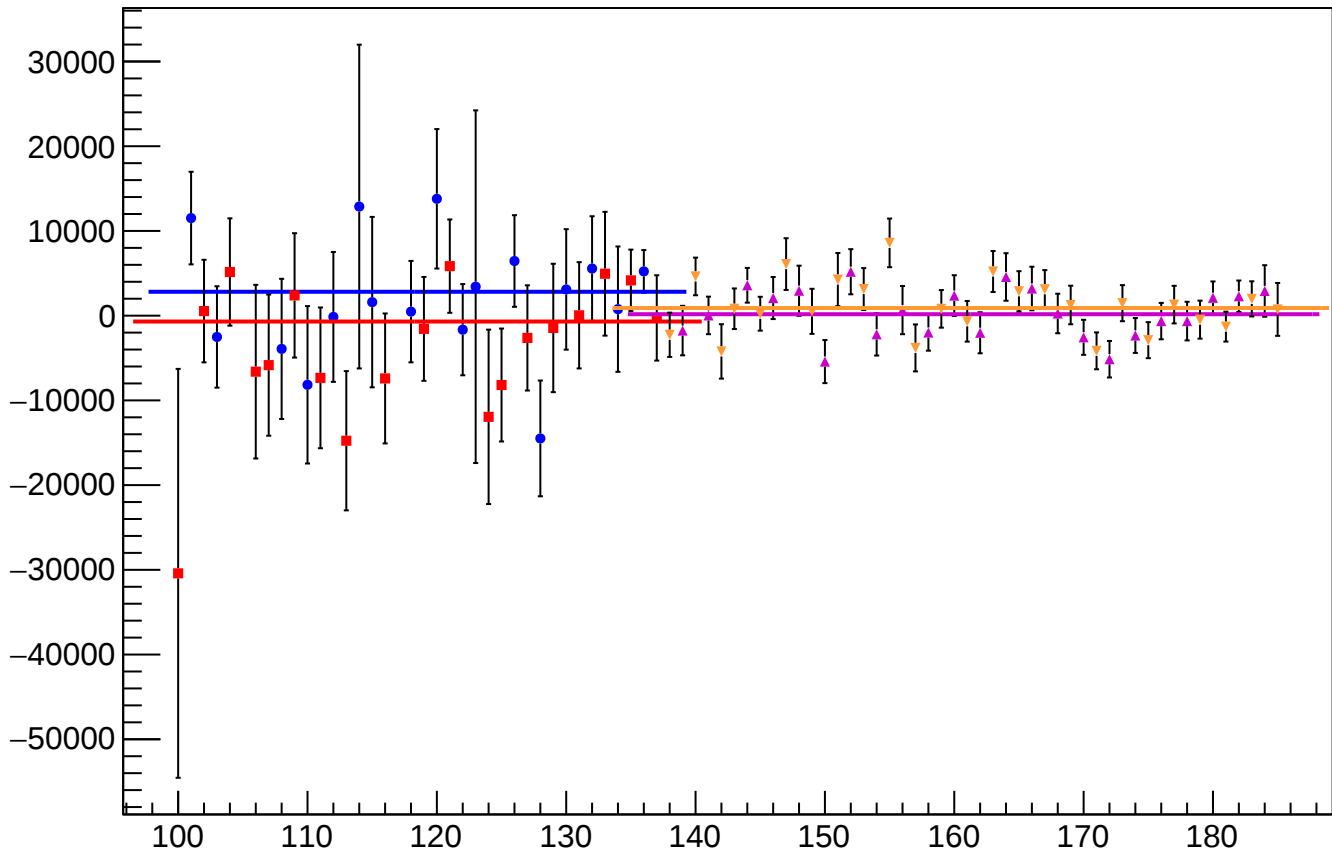
Right: 440.713 $\pm$ 0.091 χ^2/NDF : 4058311.6/35

In: 356.017 $\pm$ 0.053 χ^2/NDF : 3120364.0/39

Out: 361.448 $\pm$ 0.052 χ^2/NDF : 3163761.0/43

All: 358.771 $\pm$ 0.037 χ^2/NDF : 6289428.3/83

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2819.632 $\pm$ 1450.791 χ^2 /NDF: 16.5/16

Left Out: 901.945 $\pm$ 473.335 χ^2 /NDF: 38.1/24

Right Out: -691.793 $\pm$ 1512.621 χ^2 /NDF: 14.0/18

Left In: 172.391 $\pm$ 488.067 χ^2 /NDF: 33.2/22

Left: 548.345 $\pm$ 339.787 χ^2 /NDF: 72.4/47

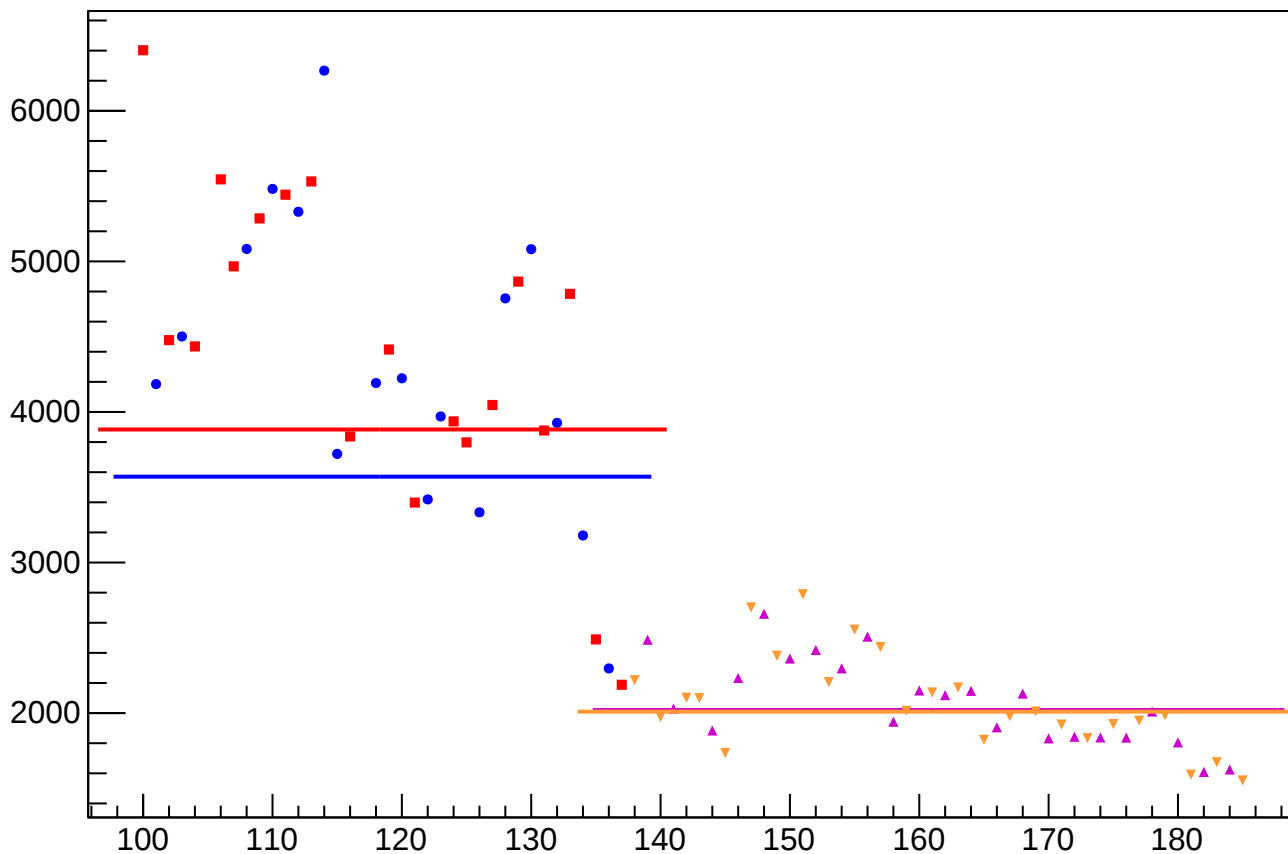
Right: 1137.151 $\pm$ 1047.040 χ^2 /NDF: 33.4/35

In: 441.532 $\pm$ 462.592 χ^2 /NDF: 52.7/39

Out: 759.803 $\pm$ 451.734 χ^2 /NDF: 53.1/43

All: 604.446 $\pm$ 323.195 χ^2 /NDF: 106.1/83

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3570.185 $\pm$ 1.026 χ^2/NDF : 1087907.4/16

Left Out: 2009.686 $\pm$ 0.335 χ^2/NDF : 709957.8/24

Right Out: 3883.722 $\pm$ 1.070 χ^2/NDF : 984493.3/18

Left In: 2020.365 $\pm$ 0.345 χ^2/NDF : 573483.0/22

Left: 2014.862 $\pm$ 0.240 χ^2/NDF : 1283934.2/47

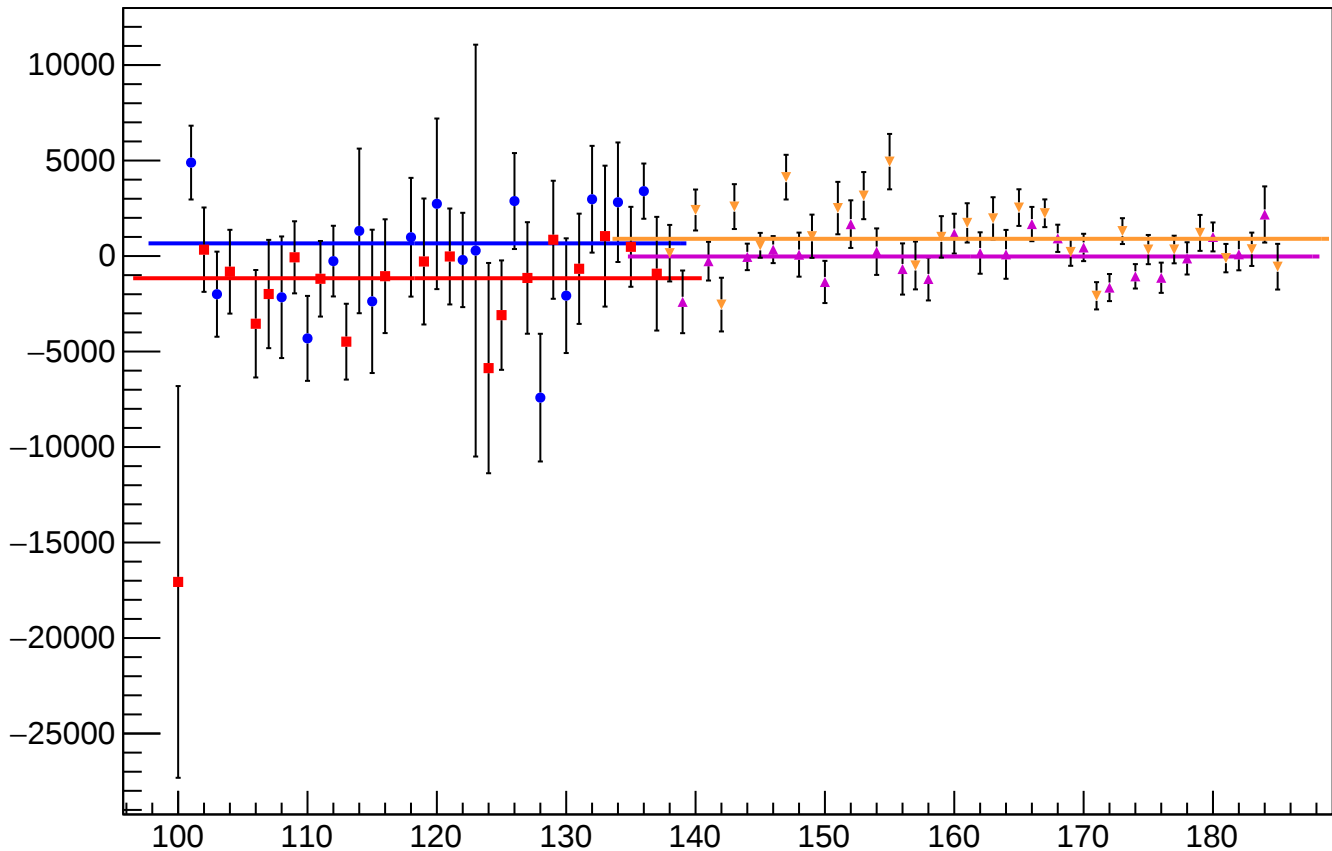
Right: 3720.415 $\pm$ 0.740 χ^2/NDF : 2117157.8/35

In: 2177.933 $\pm$ 0.327 χ^2/NDF : 3711699.8/39

Out: 2176.828 $\pm$ 0.319 χ^2/NDF : 4490559.8/43

All: 2177.367 $\pm$ 0.229 χ^2/NDF : 8202265.4/83

asym_sam3_mean vs Slug, Sign Corrected



Right In: 663.409 ± 622.512 χ^2/NDF : 25.5/16

Left Out: 902.269 ± 185.871 χ^2/NDF : 63.5/24

Right Out: -1162.350 ± 604.350 χ^2/NDF : 9.7/18

Left In: -23.529 ± 188.137 χ^2/NDF : 28.2/22

Left: 444.978 ± 132.224 χ^2/NDF : 104.0/47

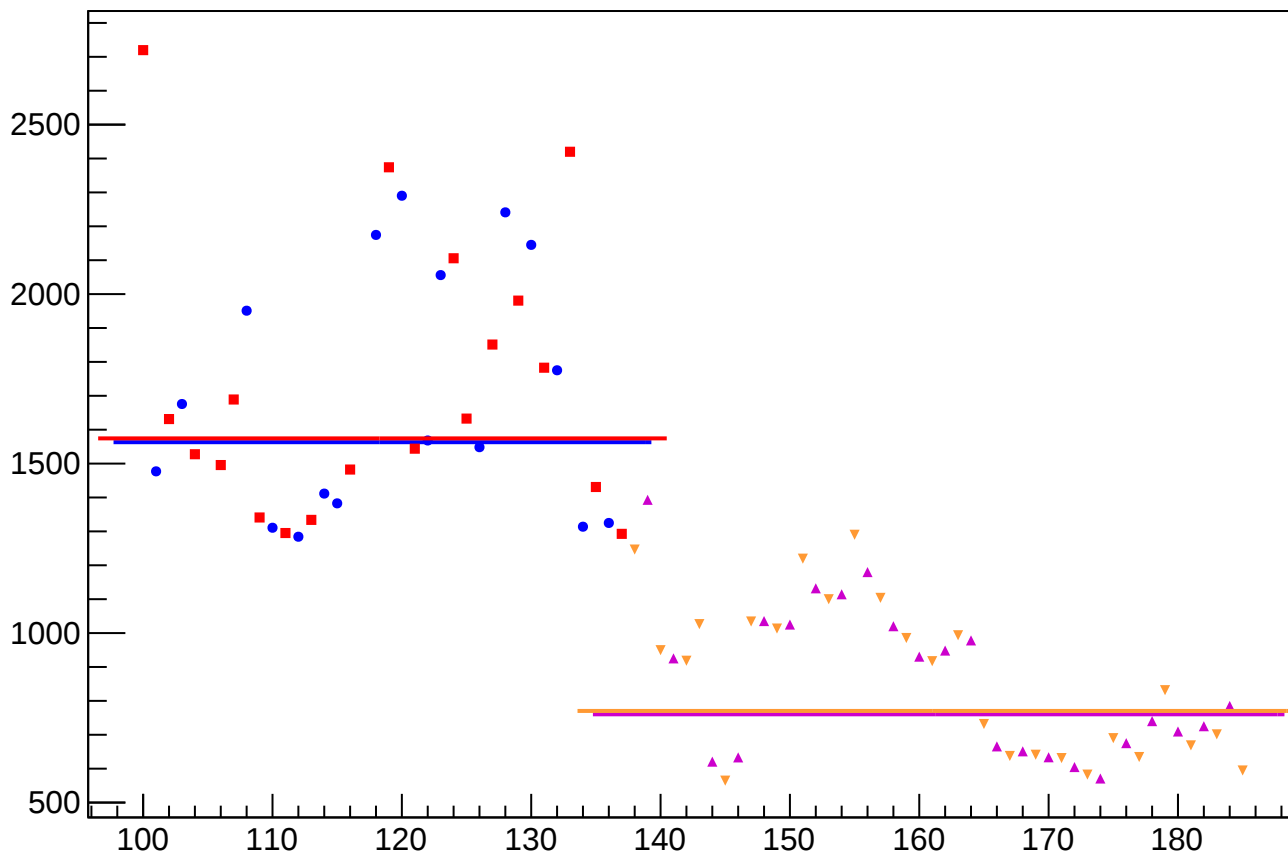
Right: -276.491 ± 433.619 χ^2/NDF : 39.6/35

In: 33.963 ± 180.092 χ^2/NDF : 54.8/39

Out: 723.853 ± 177.659 χ^2/NDF : 83.9/43

All: 383.600 ± 126.475 χ^2/NDF : 146.2/83

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1563.098 ± 0.440 $\chi^2/\text{NDF}: 487653.4/16$

Left Out: 770.304 ± 0.131 $\chi^2/\text{NDF}: 2287845.4/24$

Right Out: 1574.361 ± 0.427 $\chi^2/\text{NDF}: 466428.6/18$

Left In: 760.352 ± 0.133 $\chi^2/\text{NDF}: 1986749.8/22$

Left: 765.388 ± 0.093 $\chi^2/\text{NDF}: 4277427.3/47$

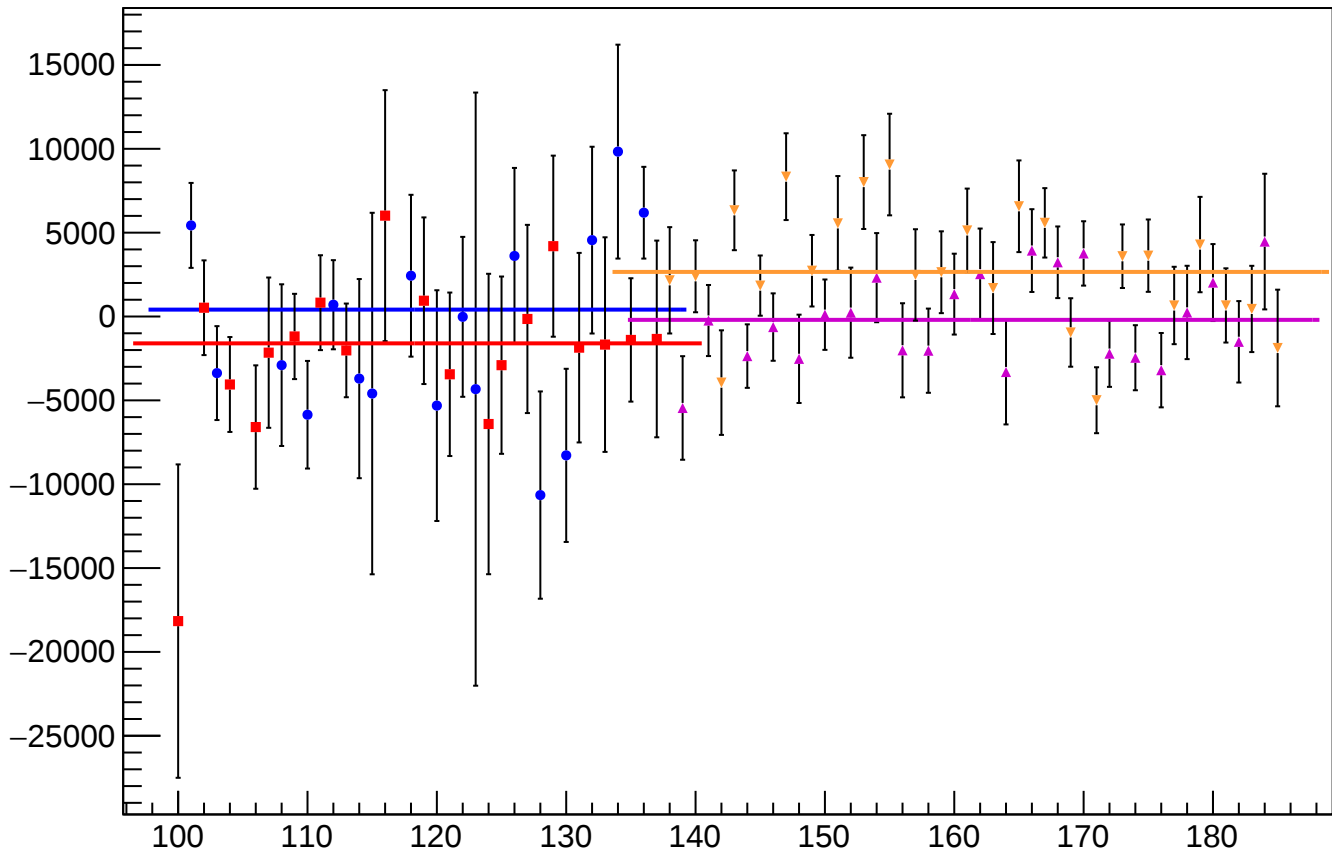
Right: 1568.896 ± 0.307 $\chi^2/\text{NDF}: 954419.1/35$

In: 827.537 ± 0.127 $\chi^2/\text{NDF}: 5521821.5/39$

Out: 839.787 ± 0.126 $\chi^2/\text{NDF}: 5988530.3/43$

All: 833.745 ± 0.089 $\chi^2/\text{NDF}: 11515042.1/83$

asym_sam4_mean vs Slug, Sign Corrected



Right In: 411.092 $\pm$ 998.047 χ^2/NDF : 25.3/16

Left Out: 2659.414 $\pm$ 479.823 χ^2/NDF :49.3/24

Right Out: -1601.073 $\pm$ 925.777 χ^2/NDF : 10.1/18

Left In: -199.371 $\pm$ 492.082 χ^2/NDF :25.8/22

Left: 1266.075 $\pm$ 343.538 χ^2/NDF : 92.4/47

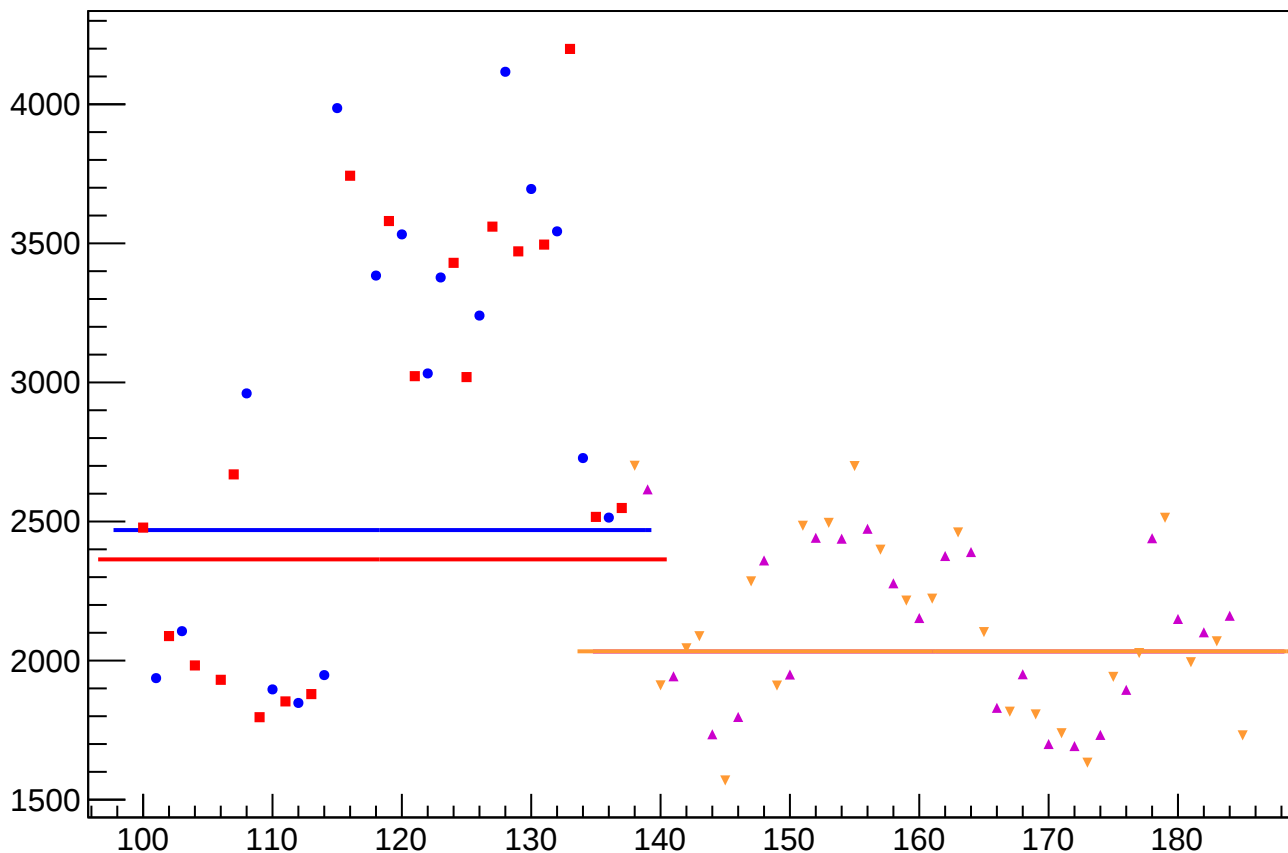
Right: -670.473 $\pm$ 678.736 χ^2/NDF : 37.6/35

In: -79.992 $\pm$ 441.353 χ^2/NDF :51.4/39

Out: 1757.273 $\pm$ 426.005 χ^2/NDF :76.1/43

All: 871.141 $\pm$ 306.513 χ^2/NDF : 136.5/83

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.233+/-0.706 χ^2/NDF : 900151.2/16

Left Out: 2033.289+/-0.339 χ^2/NDF : 824034.1/24

Right Out: 2363.845+/-0.655 χ^2/NDF : 1026234.8/18

Left In: 2032.655+/-0.348 χ^2/NDF : 652763.7/22

Left: 2032.980+/-0.243 χ^2/NDF : 1476799.5/47

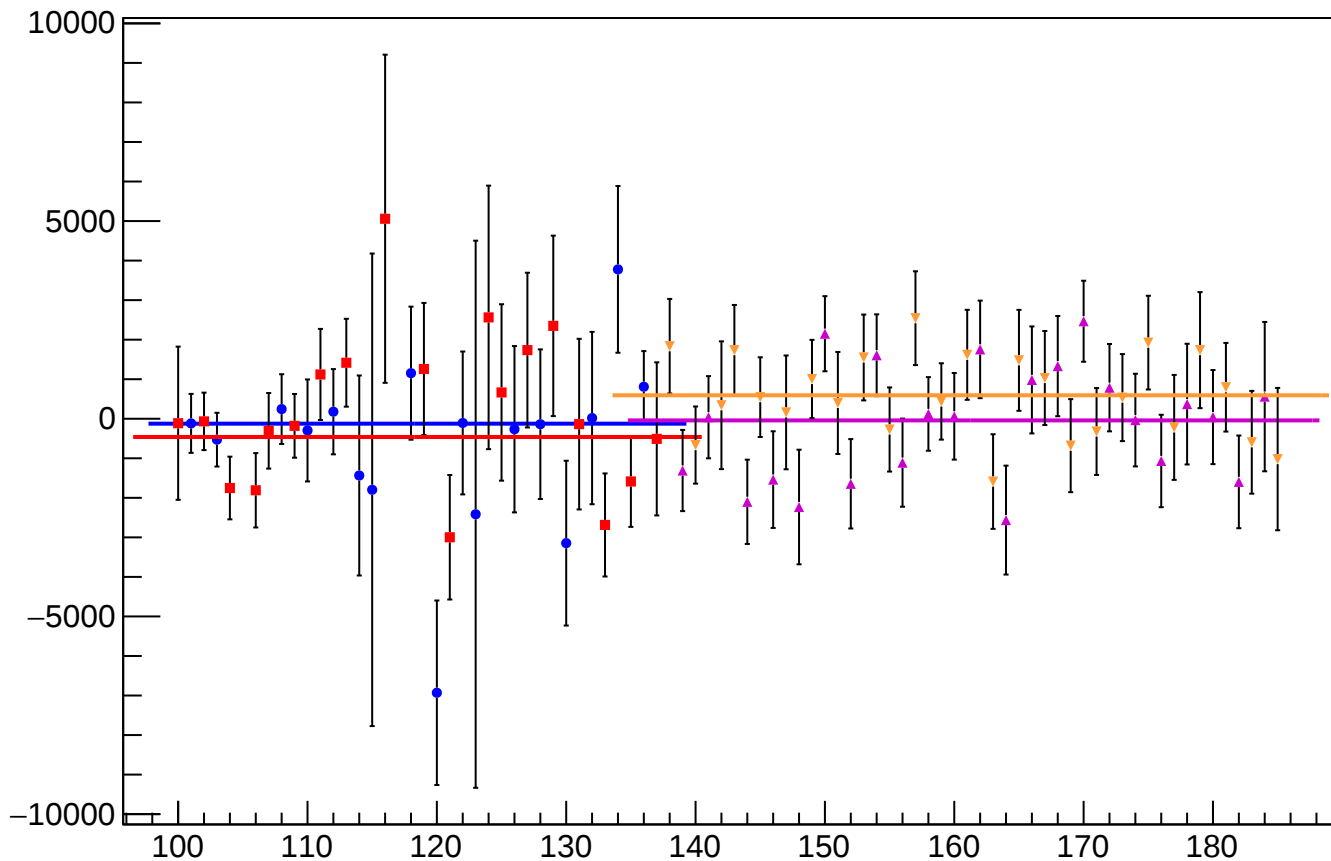
Right: 2412.586+/-0.480 χ^2/NDF : 1938372.6/35

In: 2118.030+/-0.312 χ^2/NDF : 1860771.7/39

Out: 2103.283+/-0.301 χ^2/NDF : 2051258.7/43

All: 2110.395+/-0.217 χ^2/NDF : 3913186.3/83

asym_sam5_mean vs Slug, Sign Corrected



Right In: -124.338 ± 313.734 $\chi^2/\text{NDF}: 16.8/16$

Left Out: 593.749 ± 234.997 $\chi^2/\text{NDF}: 18.7/24$

Right Out: -461.203 ± 283.135 $\chi^2/\text{NDF}: 23.1/18$

Left In: -41.559 ± 240.807 $\chi^2/\text{NDF}: 36.4/22$

Left: 283.853 ± 168.185 $\chi^2/\text{NDF}: 58.7/47$

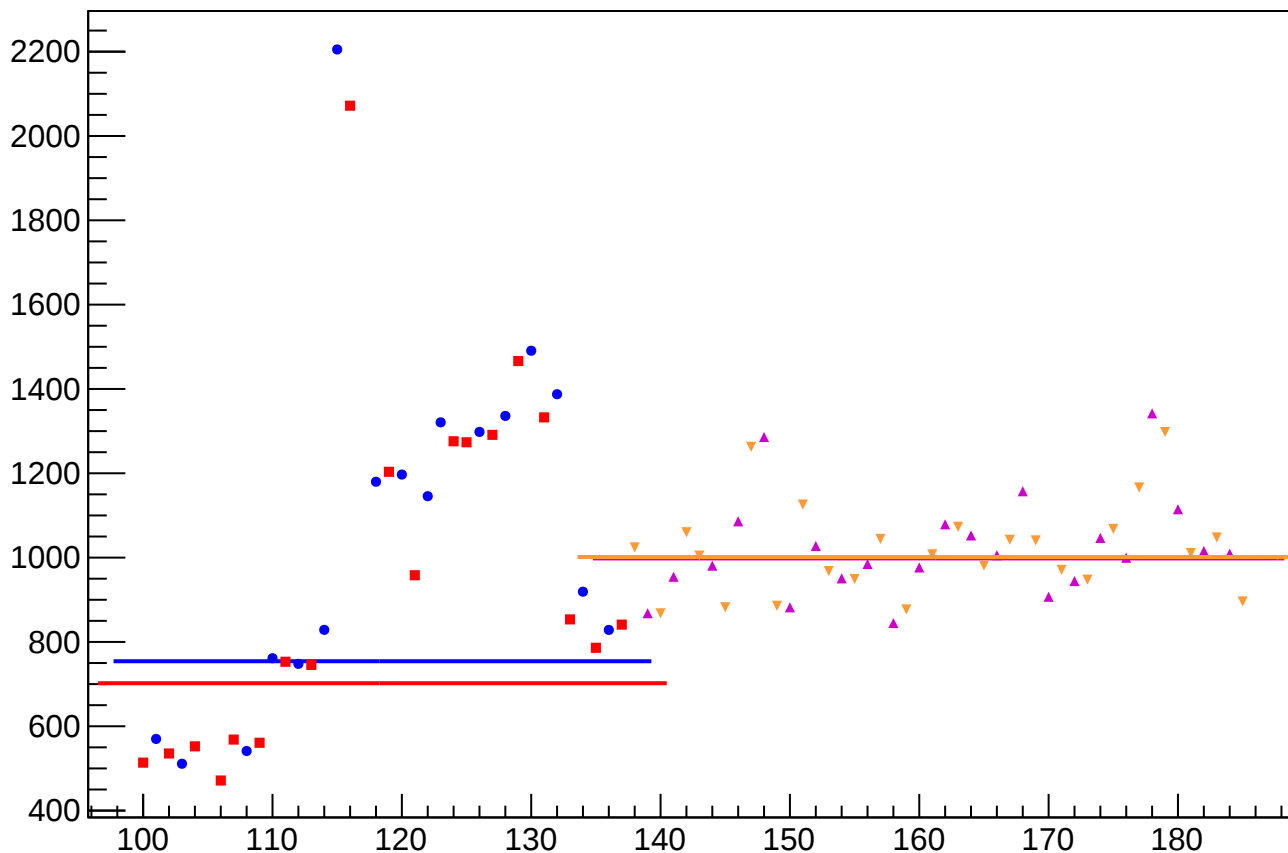
Right: -309.995 ± 210.195 $\chi^2/\text{NDF}: 40.5/35$

In: -72.248 ± 191.025 $\chi^2/\text{NDF}: 53.2/39$

Out: 163.448 ± 180.827 $\chi^2/\text{NDF}: 50.1/43$

All: 52.059 ± 131.321 $\chi^2/\text{NDF}: 104.1/83$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.219+/-0.222 χ^2/NDF : 1689131.5/16

Left Out: 1001.467+/-0.166 χ^2/NDF : 370303.0/24

Right Out: 702.074+/-0.200 χ^2/NDF : 1689098.6/18

Left In: 998.050+/-0.170 χ^2/NDF : 404656.2/22

Left: 999.800+/-0.119 χ^2/NDF : 775165.4/47

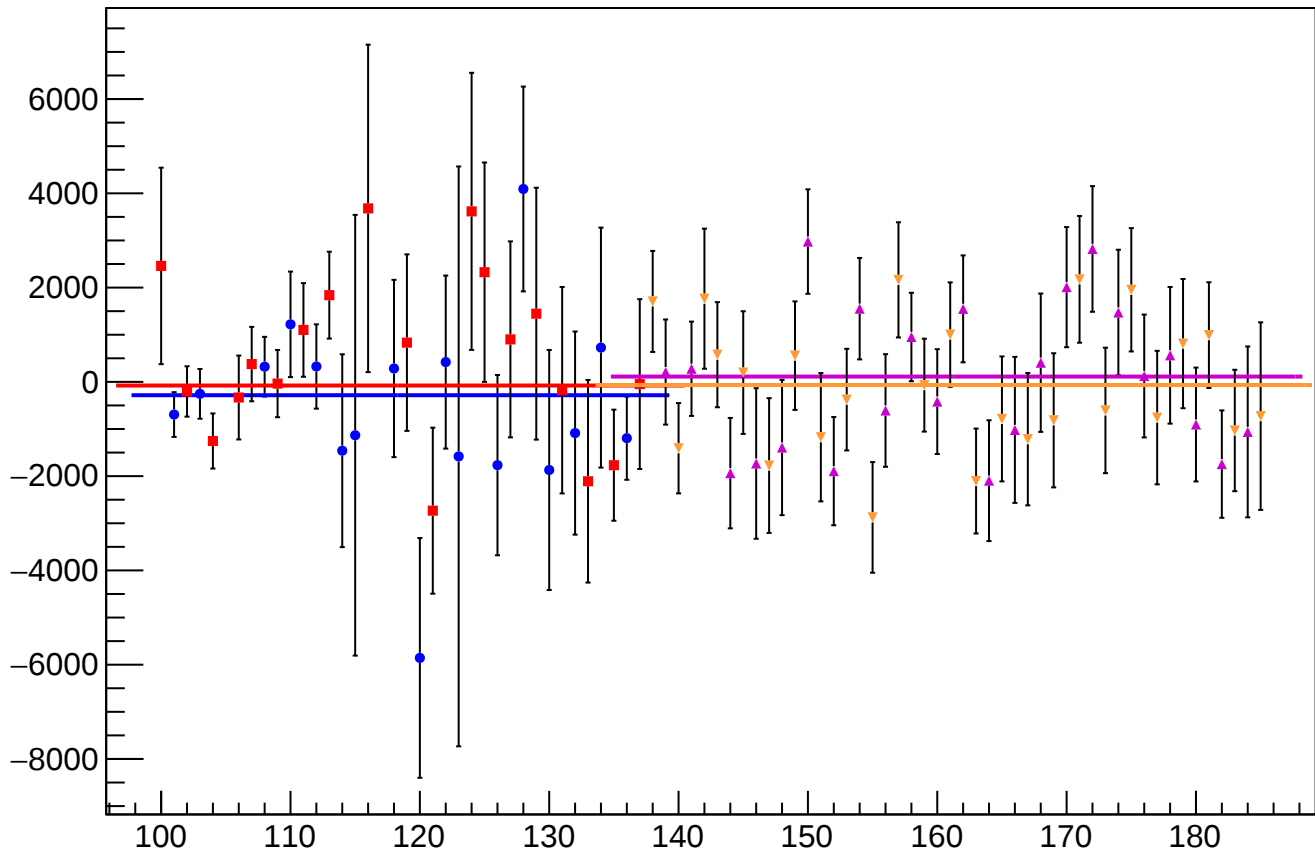
Right: 725.480+/-0.149 χ^2/NDF : 3408679.8/35

In: 907.655+/-0.135 χ^2/NDF : 2853979.8/39

Out: 879.349+/-0.128 χ^2/NDF : 3383526.1/43

All: 892.726+/-0.093 χ^2/NDF : 6260667.6/83

asym_sam6_mean vs Slug, Sign Corrected



Right In: -283.172 ± 250.683 χ^2/NDF : 15.8/16

Left Out: -66.416 ± 246.536 χ^2/NDF : 31.2/24

Right Out: -77.591 ± 246.211 χ^2/NDF : 21.6/18

Left In: 112.398 ± 255.409 χ^2/NDF : 34.9/22

Left: 19.831 ± 177.381 χ^2/NDF : 66.3/47

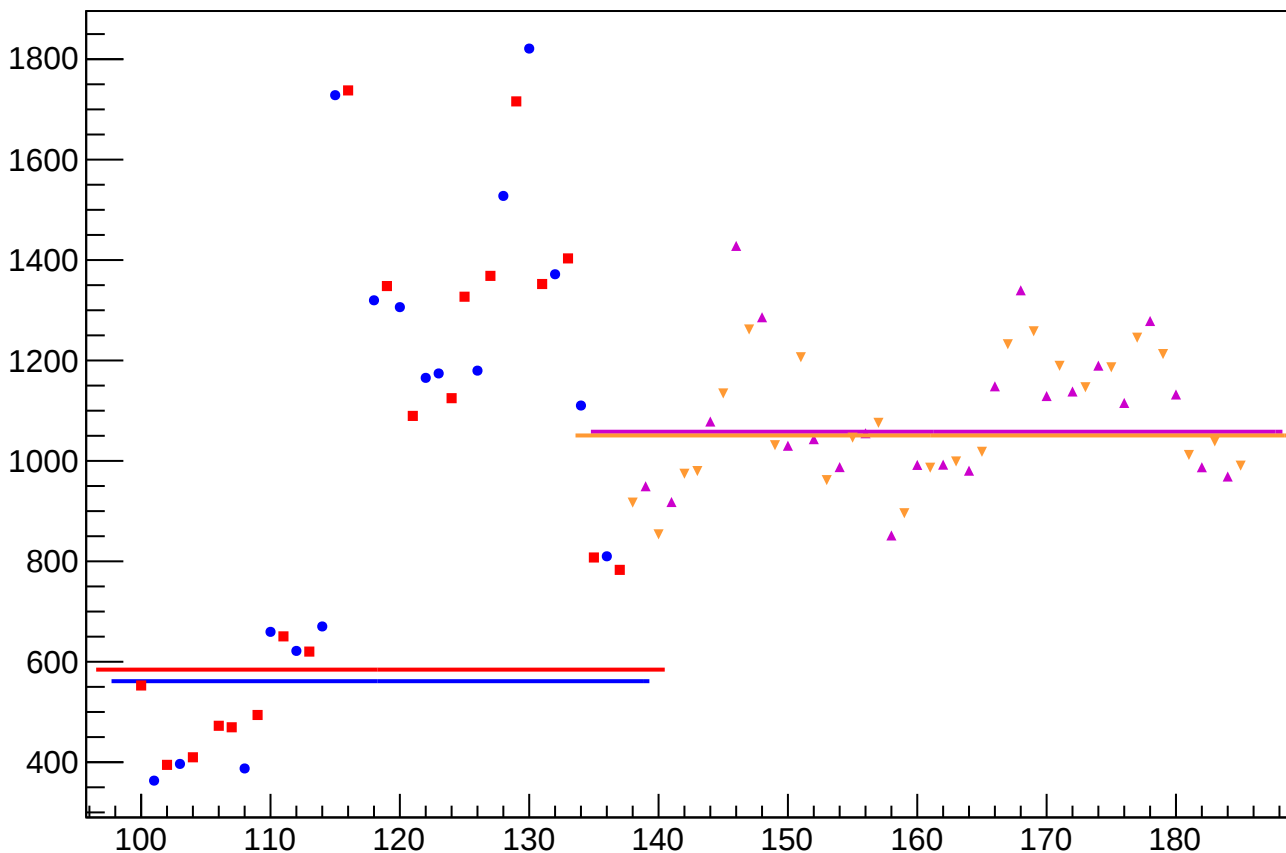
Right: -178.531 ± 175.657 χ^2/NDF : 37.7/35

In: -89.081 ± 178.907 χ^2/NDF : 51.9/39

Out: -72.011 ± 174.212 χ^2/NDF : 52.7/43

All: -80.319 ± 124.813 χ^2/NDF : 104.6/83

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.319+/-0.177 χ^2/NDF : 3211255.9/16

Left Out: 1050.654+/-0.174 χ^2/NDF : 483141.8/24

Right Out: 584.345+/-0.174 χ^2/NDF : 2813611.9/18

Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

Left: 1054.244+/-0.125 χ^2/NDF : 1012595.9/47

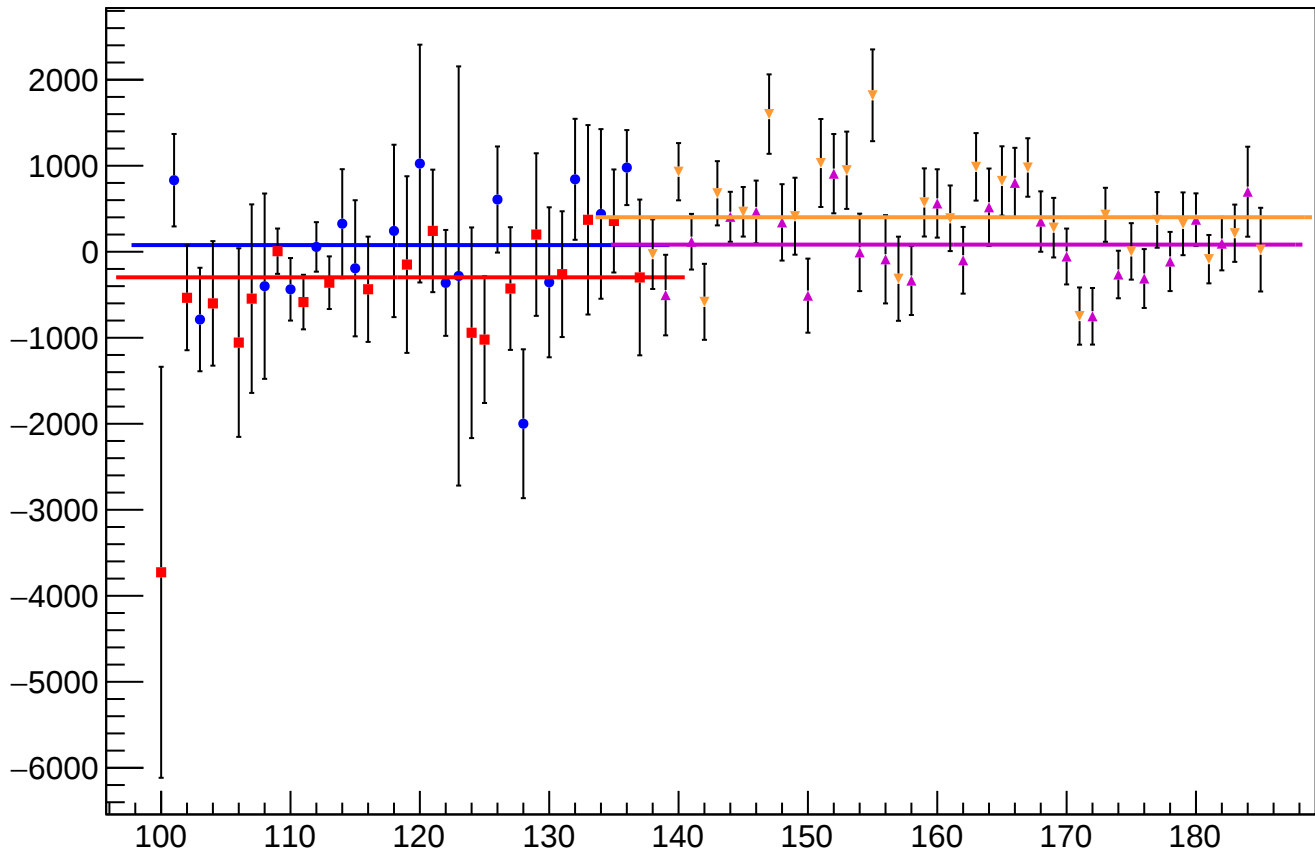
Right: 573.040+/-0.124 χ^2/NDF : 6033456.5/35

In: 805.069+/-0.127 χ^2/NDF : 7593612.5/39

Out: 817.192+/-0.123 χ^2/NDF : 6879035.0/43

All: 811.292+/-0.088 χ^2/NDF : 14477361.2/83

asym_sam7_mean vs Slug, Sign Corrected



Right In: 77.417+/-143.270 χ^2/NDF : 19.9/16

Left Out: 401.279+/-74.556 χ^2/NDF : 52.0/24

Right Out: -297.209+/-129.814 χ^2/NDF : 8.9/18

Left In: 82.890+/-76.904 χ^2/NDF : 29.0/22

Left: 247.019+/-53.530 χ^2/NDF : 89.9/47

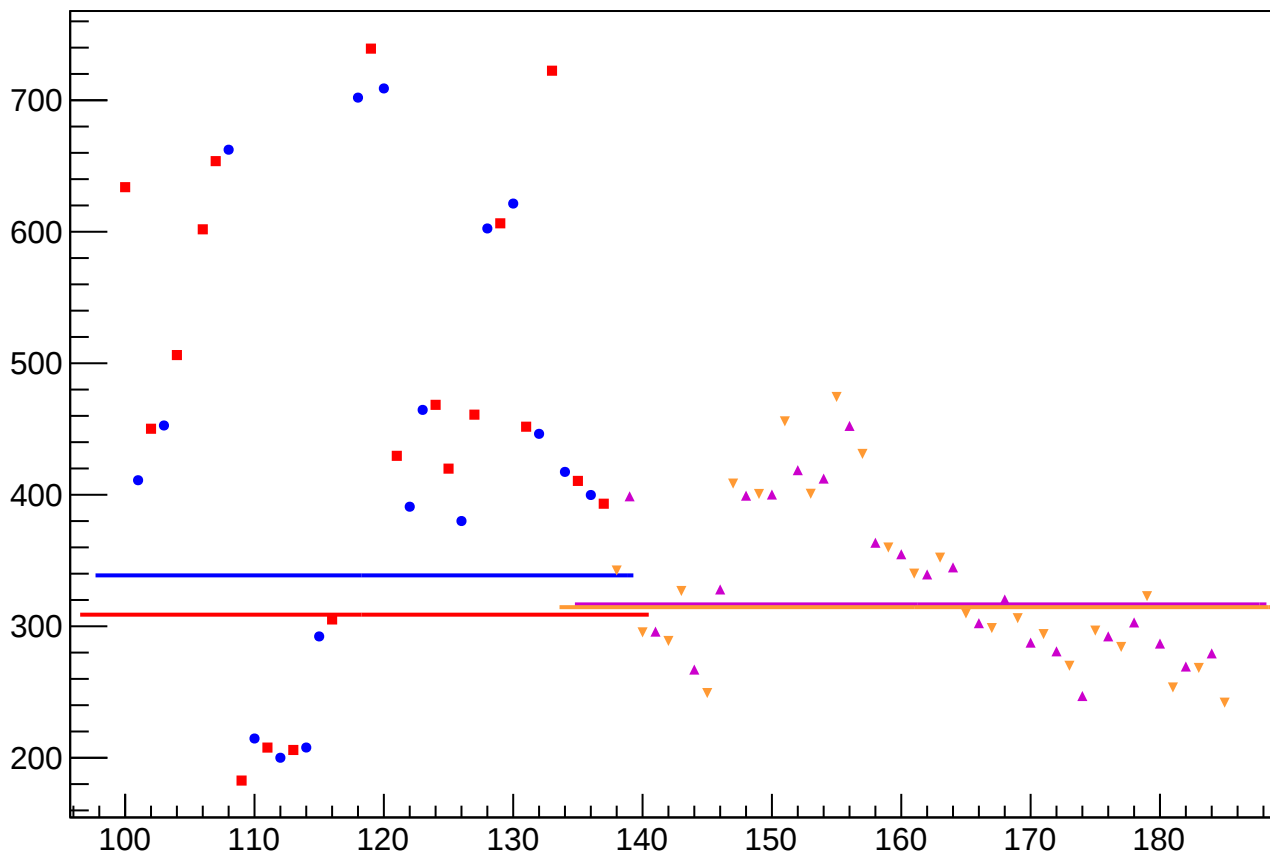
Right: -128.310+/-96.198 χ^2/NDF : 32.5/35

In: 81.666+/-67.759 χ^2/NDF : 48.9/39

Out: 228.027+/-64.652 χ^2/NDF : 82.7/43

All: 158.279+/-46.776 χ^2/NDF : 134.0/83

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.706 $\pm$ 0.101 χ^2/NDF : 2007568.0/16

Left Out: 314.538 $\pm$ 0.053 χ^2/NDF :1112636.5/24

Right Out: 308.833 $\pm$ 0.092 χ^2/NDF : 2732710.6/18

Left In: 316.647 $\pm$ 0.054 χ^2/NDF :920874.0/22

Left: 315.560 $\pm$ 0.038 χ^2/NDF : 2034285.4/47

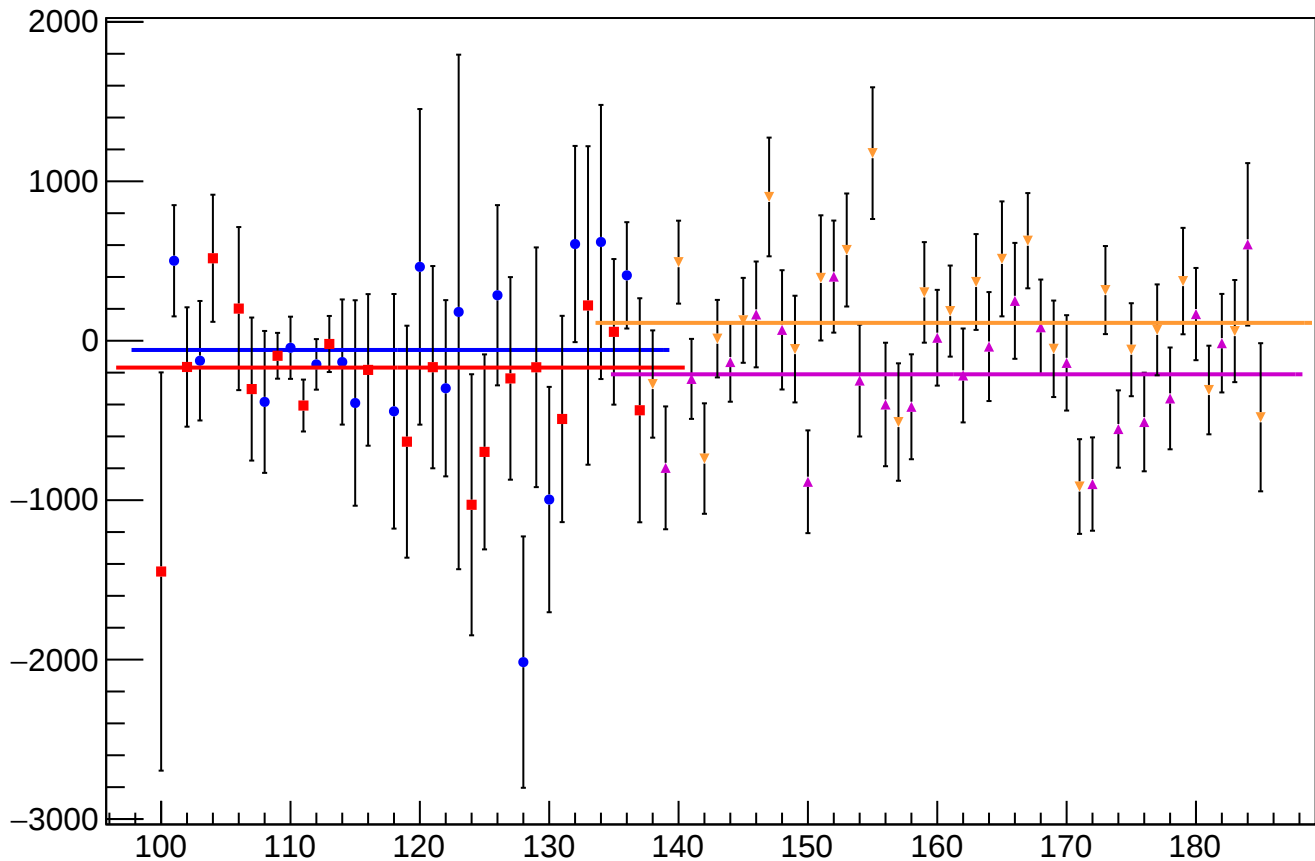
Right: 322.301 $\pm$ 0.068 χ^2/NDF : 4788026.7/35

In: 321.581 $\pm$ 0.048 χ^2/NDF :2965249.4/39

Out: 313.123 $\pm$ 0.046 χ^2/NDF :3848251.9/43

All: 317.154 $\pm$ 0.033 χ^2/NDF : 6829811.5/83

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.851 ± 90.694 $\chi^2/\text{NDF}: 16.6/16$

Left Out: 112.125 ± 62.650 $\chi^2/\text{NDF}: 49.1/24$

Right Out: -168.323 ± 76.968 $\chi^2/\text{NDF}: 10.8/18$

Left In: -210.453 ± 65.510 $\chi^2/\text{NDF}: 29.2/22$

Left: -41.967 ± 45.278 $\chi^2/\text{NDF}: 91.0/47$

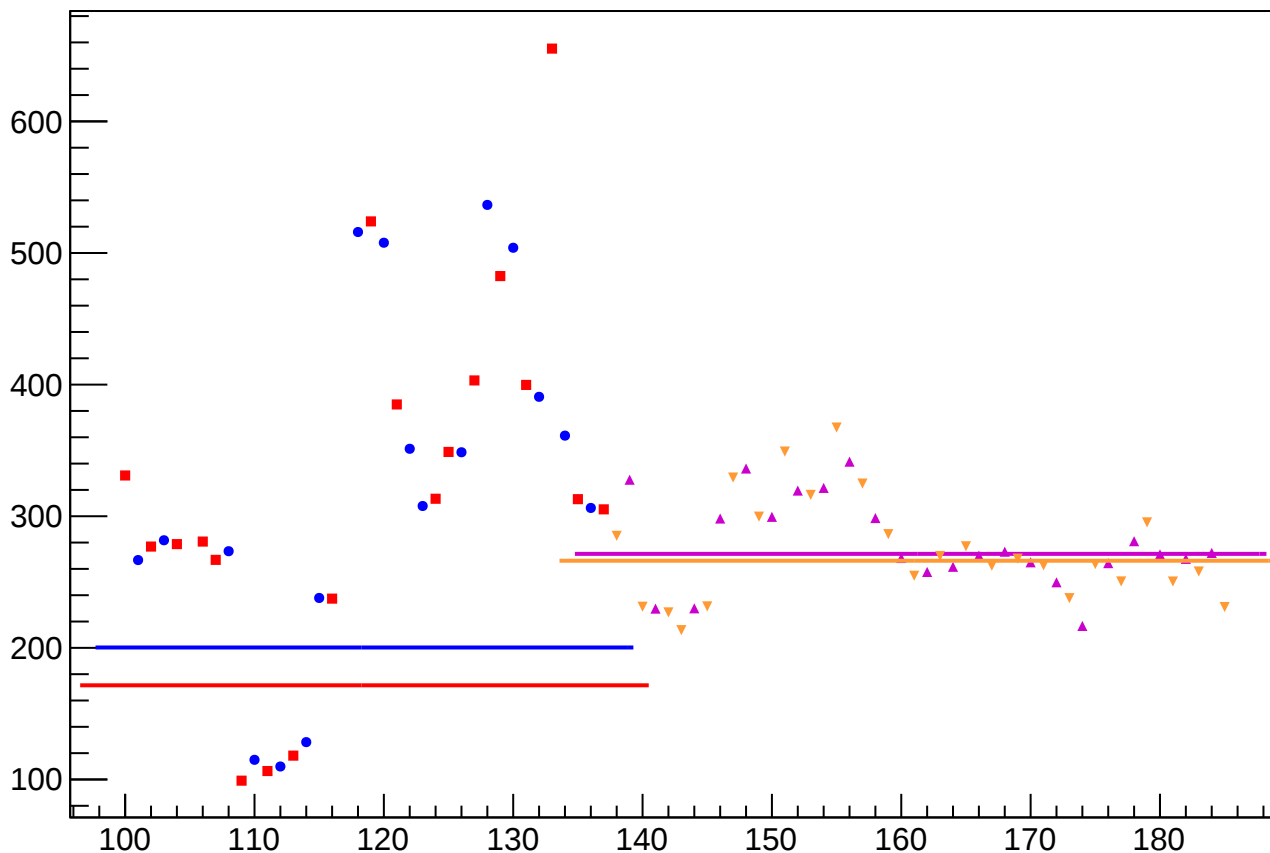
Right: -122.071 ± 58.684 $\chi^2/\text{NDF}: 28.2/35$

In: -158.132 ± 53.105 $\chi^2/\text{NDF}: 47.6/39$

Out: 0.362 ± 48.588 $\chi^2/\text{NDF}: 67.9/43$

All: -71.859 ± 35.848 $\chi^2/\text{NDF}: 120.4/83$

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.283+/-0.064 χ^2/NDF : 3381863.8/16

Left Out: 266.201+/-0.044 χ^2/NDF : 649689.4/24

Right Out: 171.547+/-0.054 χ^2/NDF : 4083247.6/18

Left In: 271.415+/-0.046 χ^2/NDF : 521877.7/22

Left: 268.691+/-0.032 χ^2/NDF : 1178184.9/47

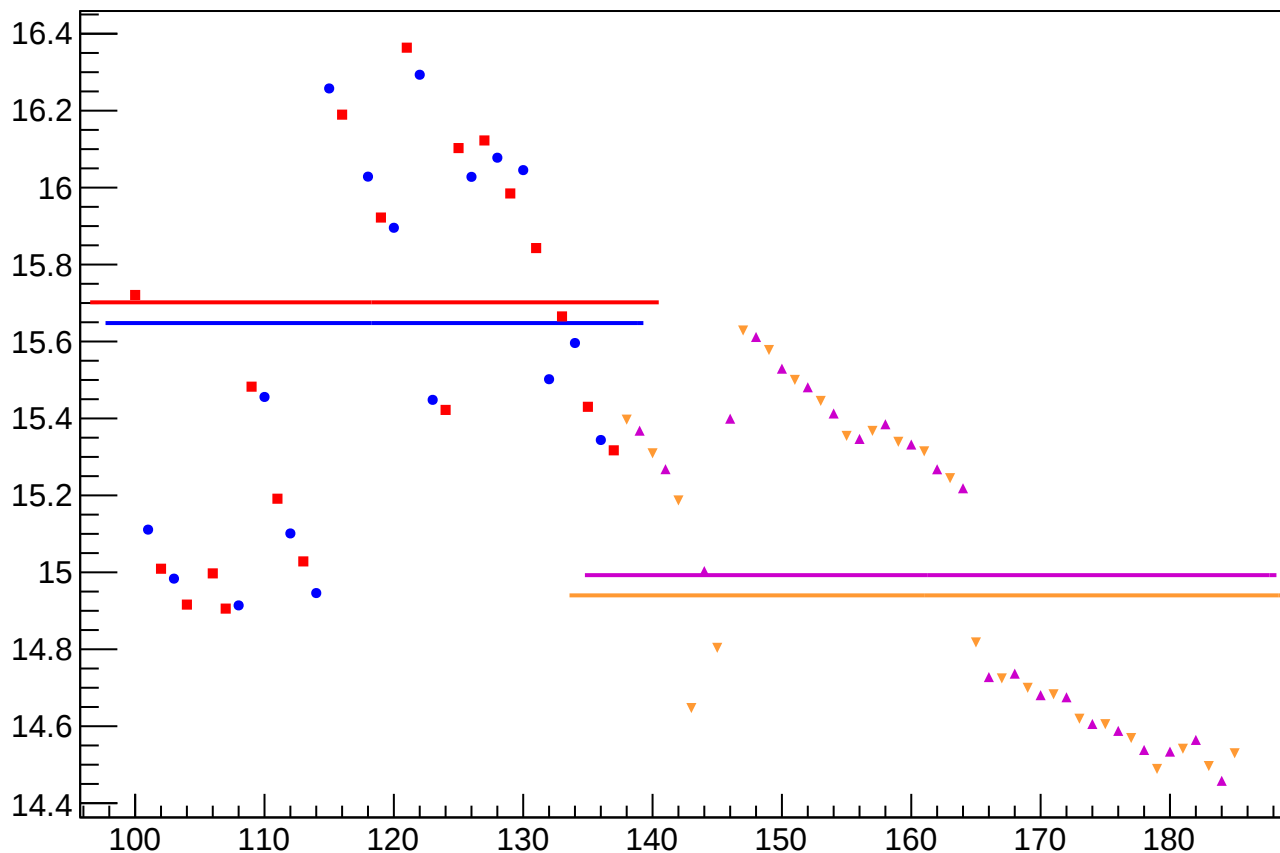
Right: 183.578+/-0.041 χ^2/NDF : 7581834.4/35

In: 247.027+/-0.038 χ^2/NDF : 4712185.9/39

Out: 228.480+/-0.034 χ^2/NDF : 6552278.5/43

All: 236.931+/-0.025 χ^2/NDF : 11397254.0/83

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.648 $\pm$ 0.000 χ^2 /NDF: 5445005645.2/16

Left Out: 14.940 $\pm$ 0.000 χ^2 /NDF: 24184385830.8/24

Right Out: 15.702 $\pm$ 0.000 χ^2 /NDF: 5133327033.6/18

Left In: 14.993 $\pm$ 0.000 χ^2 /NDF: 22023159634.7/22

Left: 14.965 $\pm$ 0.000 χ^2 /NDF: 46427719546.2/47

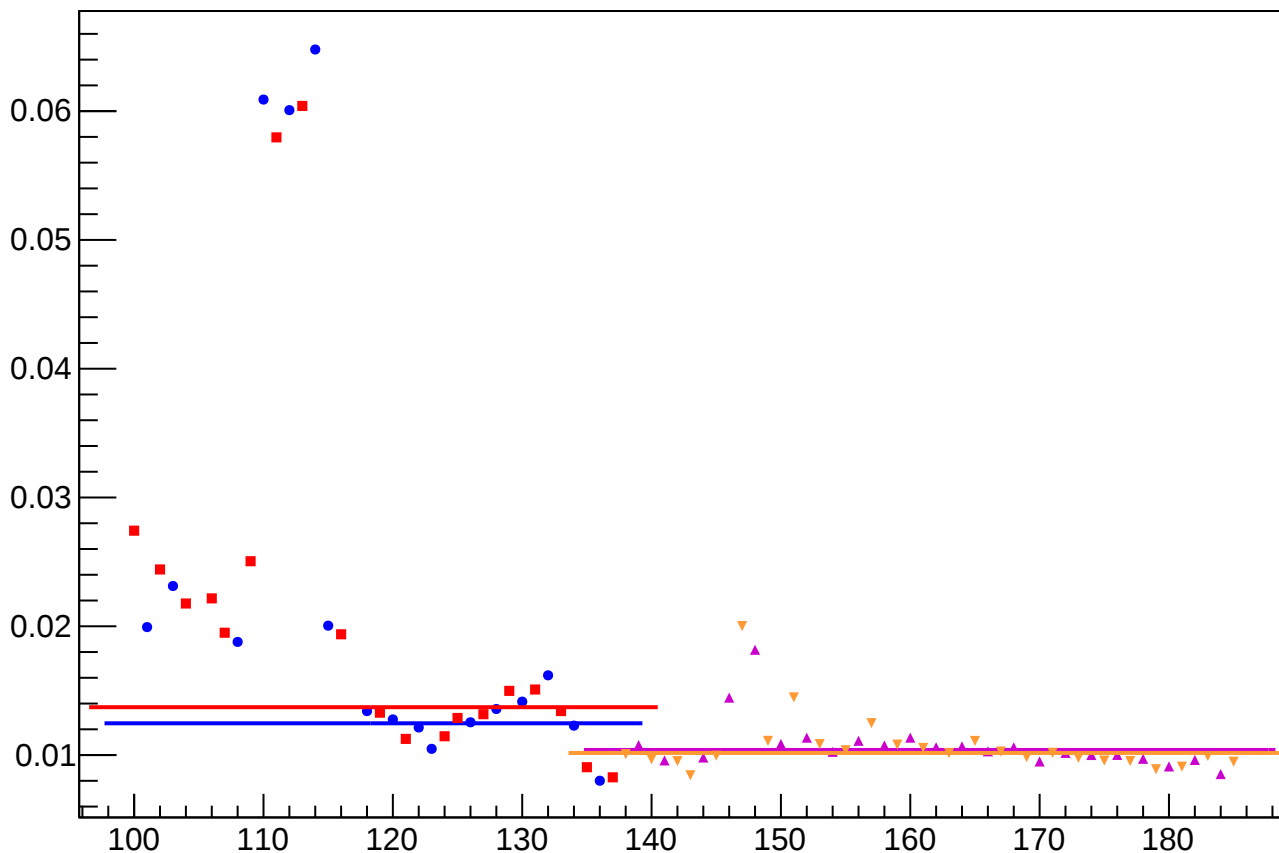
Right: 15.673 $\pm$ 0.000 χ^2 /NDF: 10623032652.9/35

In: 15.110 $\pm$ 0.000 χ^2 /NDF: 39136485627.9/39

Out: 15.052 $\pm$ 0.000 χ^2 /NDF: 43585692260.8/43

All: 15.080 $\pm$ 0.000 χ^2 /NDF: 83037843544.7

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2144984.5/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 717176.6/24

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077881.6/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF: 544268.8/22

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 1270085.4/47

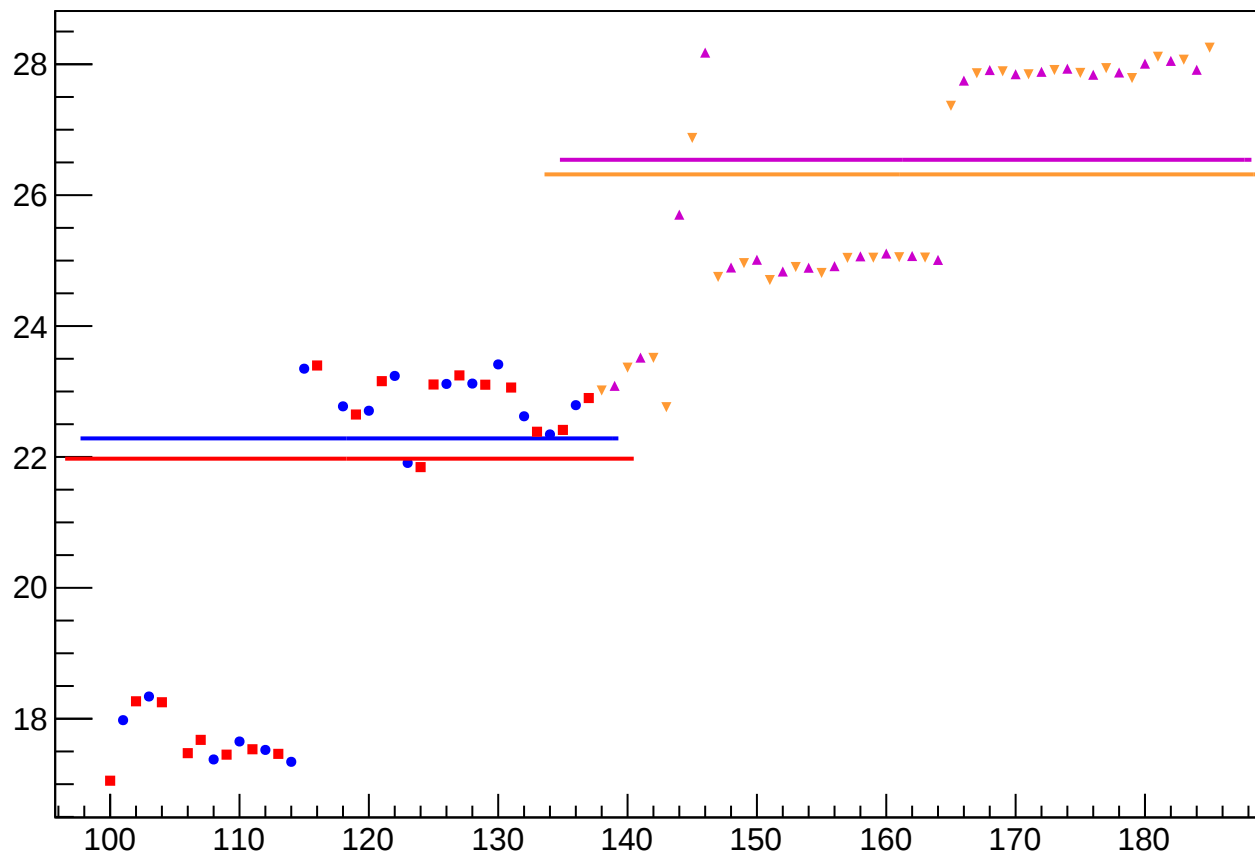
Right: 0.013 $\pm$ 0.000 χ^2 /NDF: 4271082.5/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2921945.0/39

Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 3415928.2/43

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 6339088.0/83

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.283+/-0.000 χ^2/NDF : 929007366.8/16

Left Out: 26.317+/-0.000 χ^2/NDF : 4714773036.6/24

Right Out: 21.974+/-0.000 χ^2/NDF : 1049661295.2/18

Left In: 26.540+/-0.000 χ^2/NDF : 3309392772.6/22

Left: 26.424+/-0.000 χ^2/NDF : 8057729724.9/47

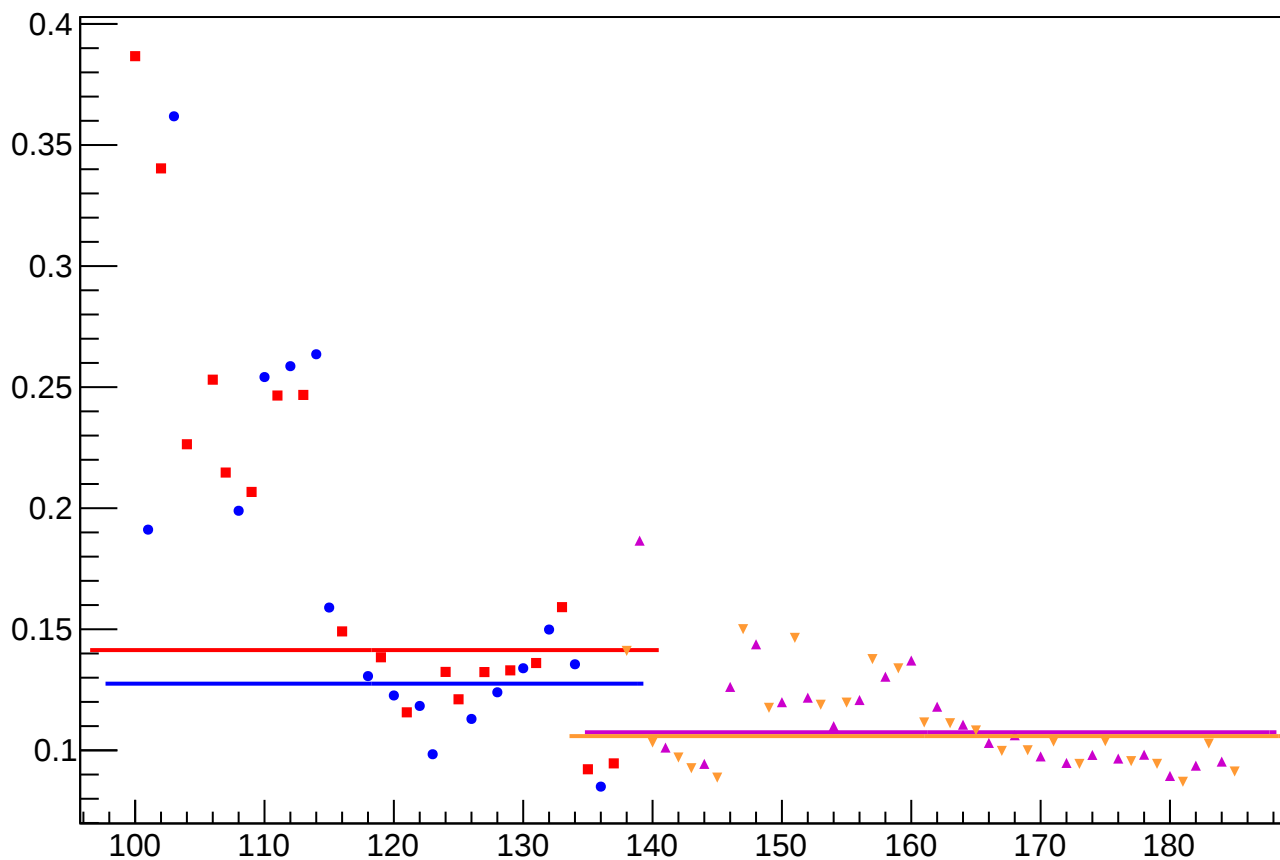
Right: 22.138+/-0.000 χ^2/NDF : 1992639915.1/35

In: 25.717+/-0.000 χ^2/NDF : 8776287471.6/39

Out: 25.609+/-0.000 χ^2/NDF : 10100184433.4/43

All: 25.662+/-0.000 χ^2/NDF : 18886058659.6

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1490198.9/16

Left Out: 0.106+/-0.000 χ^2/NDF : 732968.1/24

Right Out: 0.141+/-0.000 χ^2/NDF : 1447700.3/18

Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

Left: 0.107+/-0.000 χ^2/NDF : 1507518.1/47

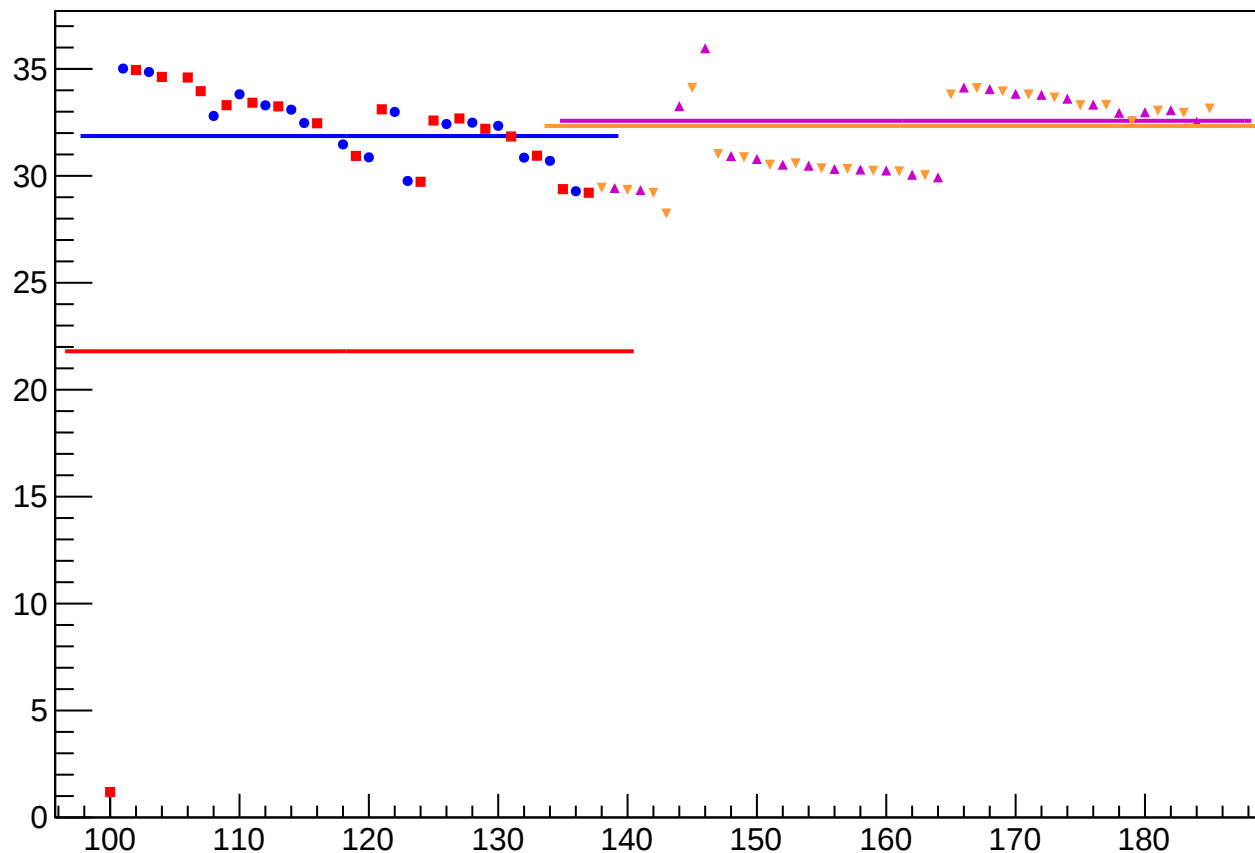
Right: 0.134+/-0.000 χ^2/NDF : 2993911.6/35

In: 0.111+/-0.000 χ^2/NDF : 2463020.3/39

Out: 0.112+/-0.000 χ^2/NDF : 2760648.6/43

All: 0.112+/-0.000 χ^2/NDF : 5223836.5/83

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.862+/-0.000

χ^2/NDF : 1902439059.8/16

Left: 32.450+/-0.000

χ^2/NDF : 24766512132.9/47

Right: 25.861+/-0.000

χ^2/NDF : 274215683438.6/35

Left Out: 32.331+/-0.000

χ^2/NDF : 12850427277.6/24

In: 32.464+/-0.000

χ^2/NDF : 14008114012.7/39

Right Out: 21.798+/-0.000

χ^2/NDF : 228949728350.0/18

Out: 30.165+/-0.000

χ^2/NDF : 335251400509.8/43

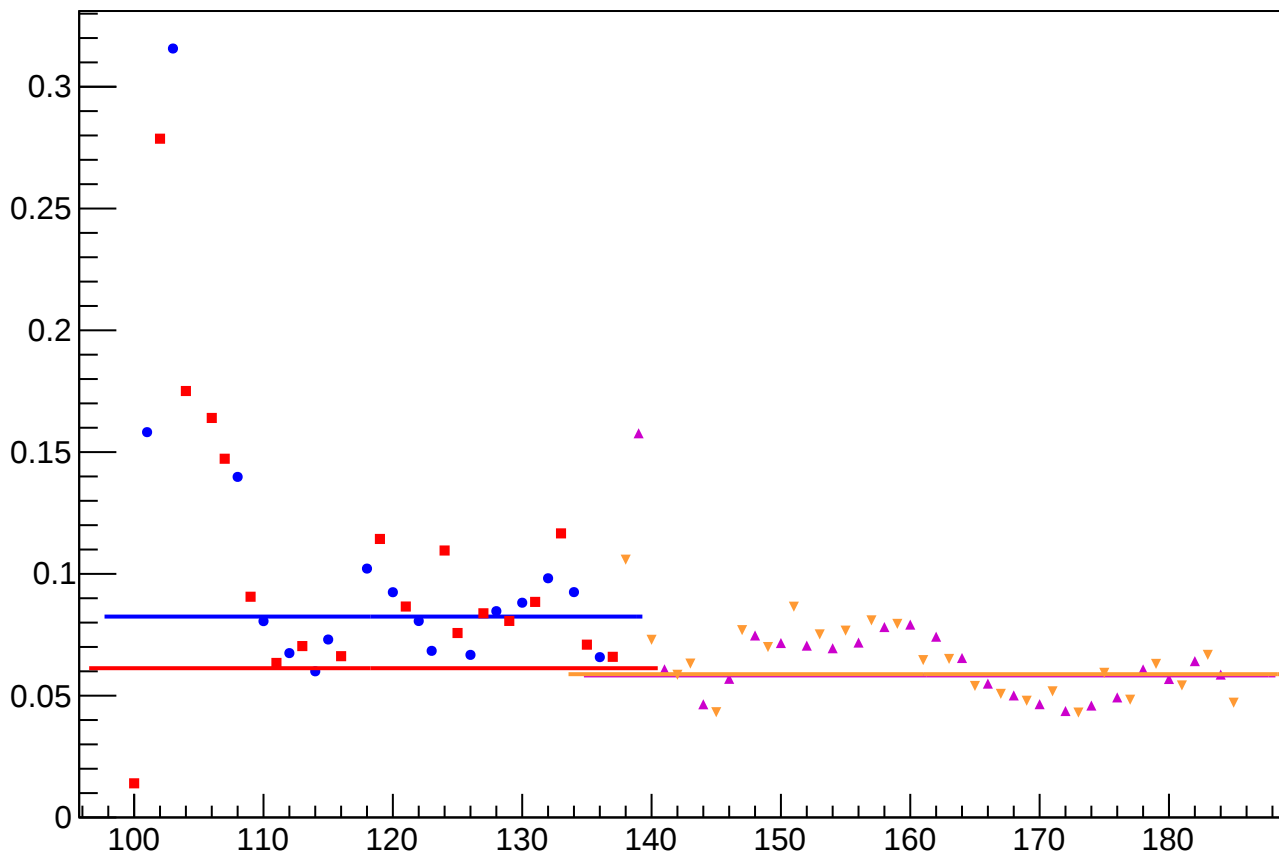
Left In: 32.574+/-0.000

χ^2/NDF : 11797772603.7/22

All: 31.254+/-0.000

χ^2/NDF : 362164485608.0/100

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF : 1182597.0/16

Left Out: 0.059+/-0.000 χ^2/NDF : 1402070.4/24

Right Out: 0.061+/-0.000 χ^2/NDF : 3604725.9/18

Left In: 0.058+/-0.000 χ^2/NDF : 1525476.4/22

Left: 0.059+/-0.000 χ^2/NDF : 2928587.1/47

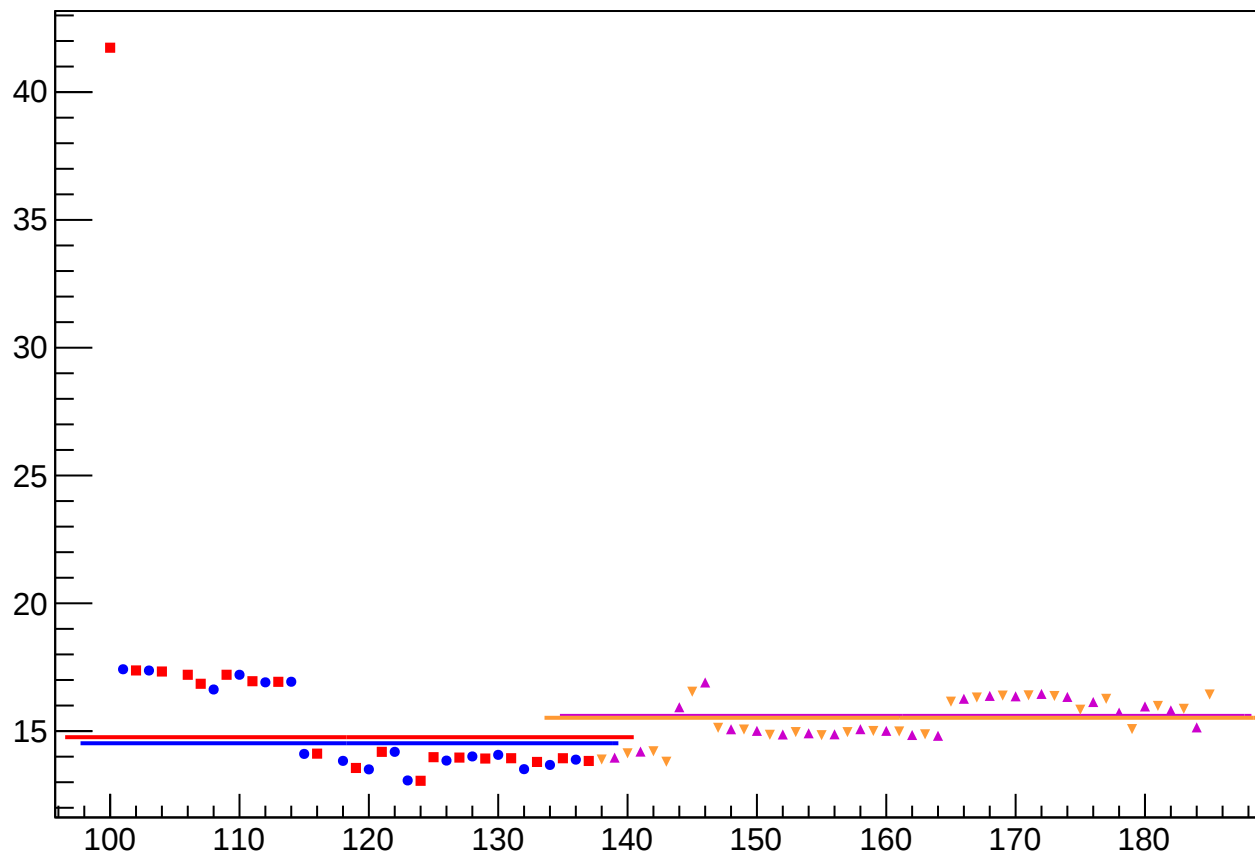
Right: 0.070+/-0.000 χ^2/NDF : 5171964.2/35

In: 0.062+/-0.000 χ^2/NDF : 3416466.4/39

Out: 0.059+/-0.000 χ^2/NDF : 5016945.5/43

All: 0.061+/-0.000 χ^2/NDF : 8469705.5/83

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.524 $\pm$ 0.000 χ^2 /NDF: 1485492036.5/16

Left Out: 15.521 $\pm$ 0.000 χ^2 /NDF: 2591413880.3/24

Right Out: 14.762 $\pm$ 0.000 χ^2 /NDF: 1903088882.9/18

Left In: 15.595 $\pm$ 0.000 χ^2 /NDF: 1908733580.5/22

Left: 15.556 $\pm$ 0.000 χ^2 /NDF: 4510046555.5/47

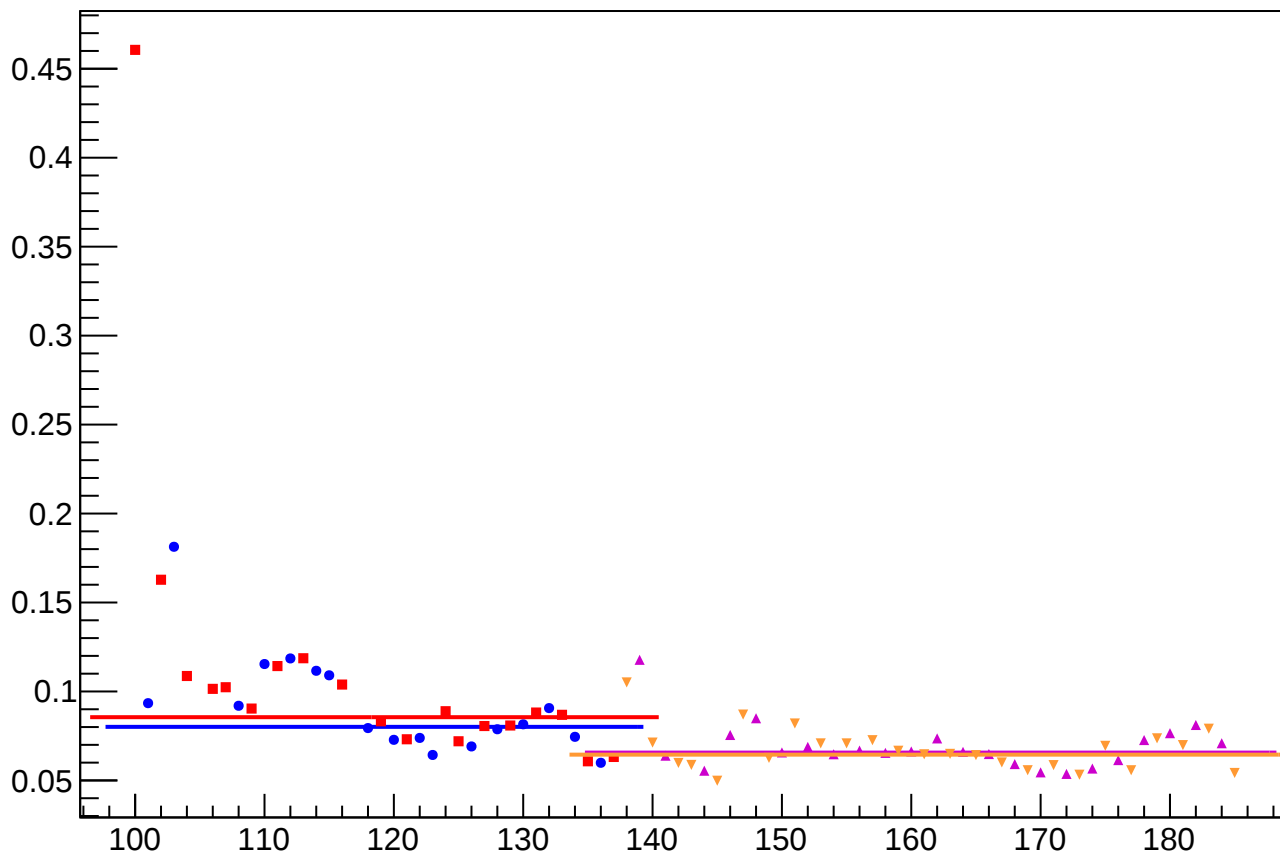
Right: 14.639 $\pm$ 0.000 χ^2 /NDF: 3411928914.0/35

In: 15.381 $\pm$ 0.000 χ^2 /NDF: 4182070230.9/39

Out: 15.387 $\pm$ 0.000 χ^2 /NDF: 4874681595.7/43

All: 15.384 $\pm$ 0.000 χ^2 /NDF: 9056834846.8/80

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 775791.3/16

Left Out: 0.064+/-0.000 χ^2/NDF : 760867.9/24

Right Out: 0.086+/-0.000 χ^2/NDF : 738760.7/18

Left In: 0.066+/-0.000 χ^2/NDF : 714703.1/22

Left: 0.065+/-0.000 χ^2/NDF : 1480357.1/47

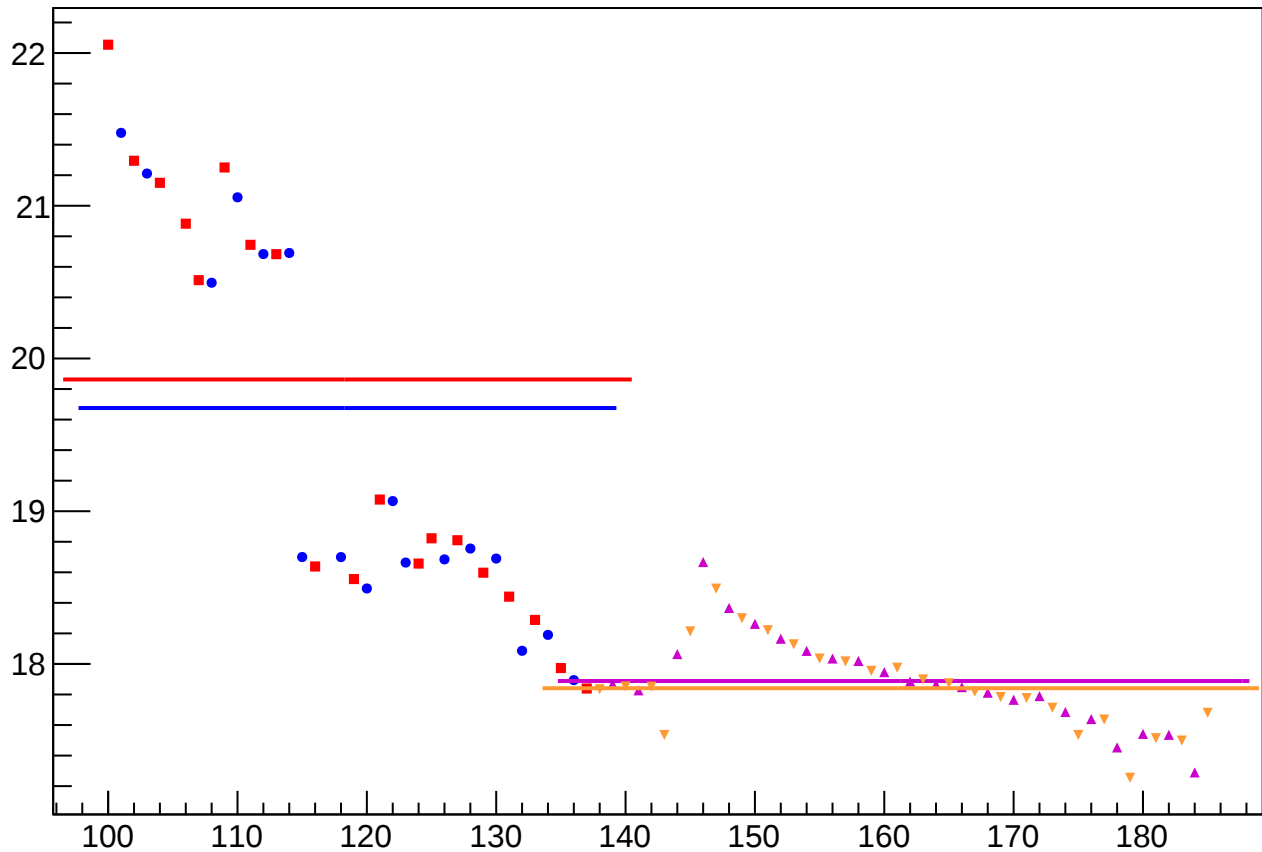
Right: 0.083+/-0.000 χ^2/NDF : 1539017.7/35

In: 0.069+/-0.000 χ^2/NDF : 1777970.3/39

Out: 0.068+/-0.000 χ^2/NDF : 2084409.2/43

All: 0.068+/-0.000 χ^2/NDF : 3862896.3/83

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.676+/-0.000 χ^2/NDF : 12360927493.1/16

Left Out: 17.841+/-0.000 χ^2/NDF : 1282509693.4/24

Right Out: 19.863+/-0.000 χ^2/NDF : 11443358824.6/18

Left In: 17.888+/-0.000 χ^2/NDF : 1203002311.3/22

Left: 17.864+/-0.000 χ^2/NDF : 2505494562.6/47

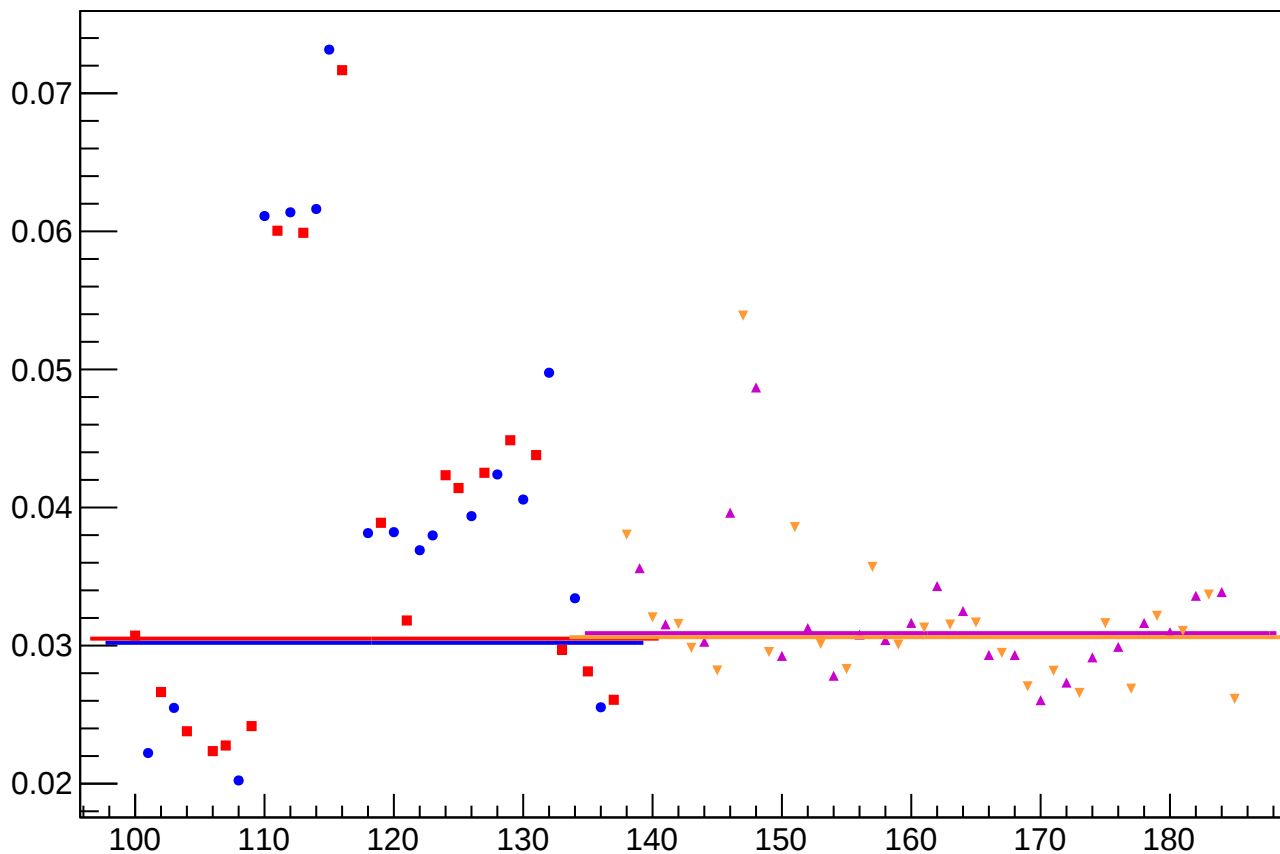
Right: 19.771+/-0.000 χ^2/NDF : 23912970775.0/35

In: 18.353+/-0.000 χ^2/NDF : 27992693401.7/39

Out: 18.353+/-0.000 χ^2/NDF : 32020685667.9/43

All: 18.353+/-0.000 χ^2/NDF : 60013379538.7

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 1318915.0/16

Left Out: 0.031+/-0.000 χ^2/NDF : 590815.6/24

Right Out: 0.031+/-0.000 χ^2/NDF : 1176229.2/18

Left In: 0.031+/-0.000 χ^2/NDF : 453524.6/22

Left: 0.031+/-0.000 χ^2/NDF : 1045883.0/47

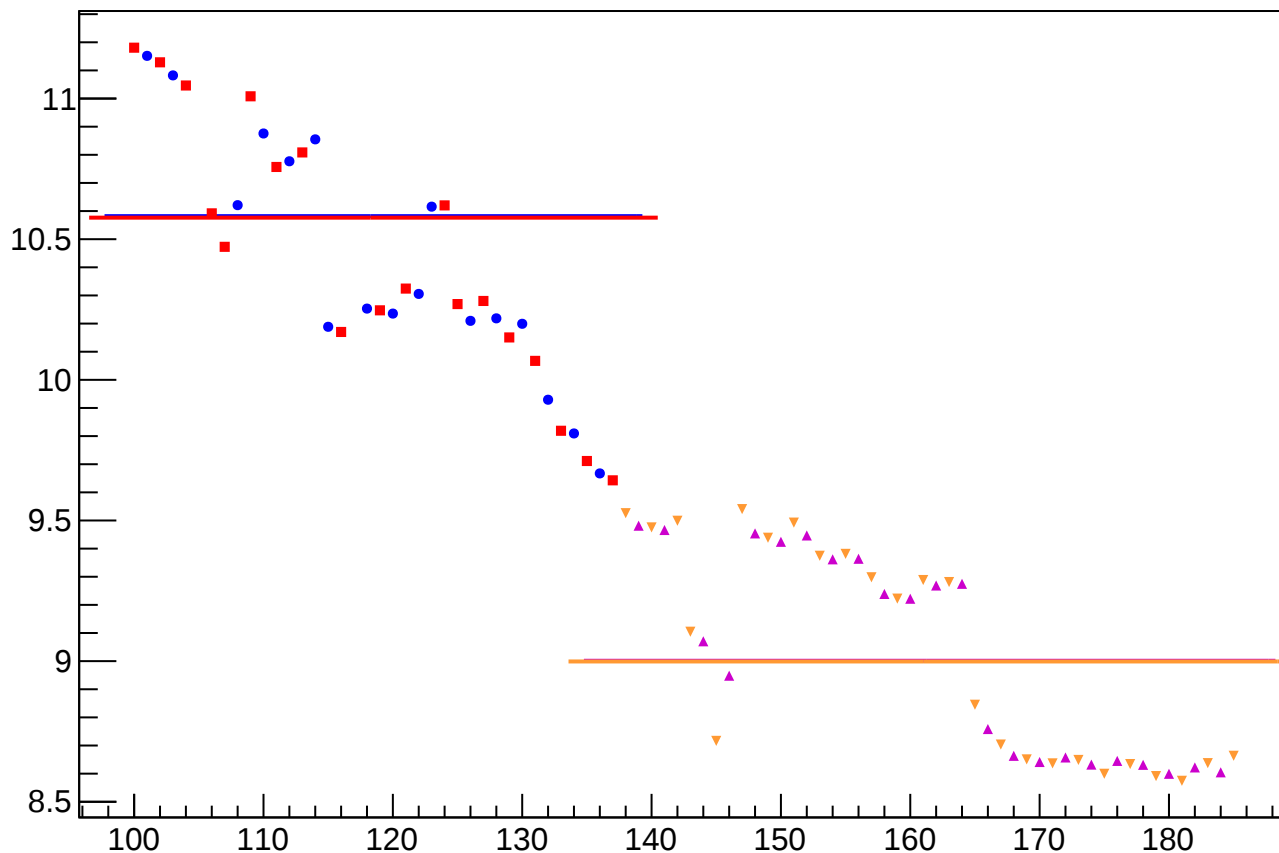
Right: 0.030+/-0.000 χ^2/NDF : 2495714.0/35

In: 0.031+/-0.000 χ^2/NDF : 1776857.9/39

Out: 0.031+/-0.000 χ^2/NDF : 1767146.0/43

All: 0.031+/-0.000 χ^2/NDF : 3544459.7/83

yield_sam6_mean vs Slug, Sign Corrected



Left: 9.000+/-0.000 χ^2/NDF : 11706053473.2/47

Right: 10.579+/-0.000 χ^2/NDF : 13328822109.0/35

In: 9.599+/-0.000 χ^2/NDF : 53255051659.7/39

Out: 9.550+/-0.000 χ^2/NDF : 53087295795.7/43

All: 9.574+/-0.000 χ^2/NDF : 106425931926.7

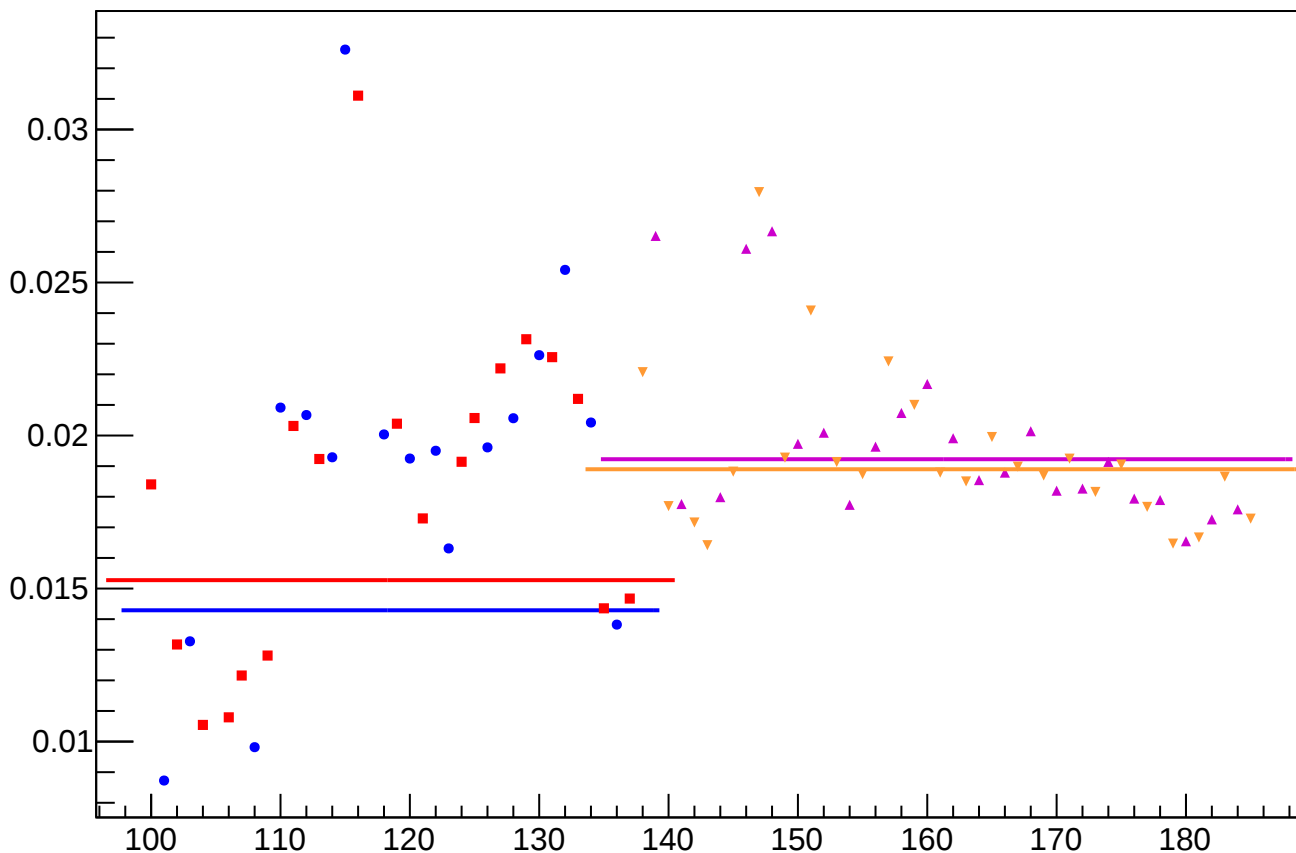
Right In: 10.582+/-0.000 χ^2/NDF : 7496301993.4/16

Left Out: 8.999+/-0.000 χ^2/NDF : 6391385684.6/24

Right Out: 10.577+/-0.000 χ^2/NDF : 5832154064.6/18

Left In: 9.001+/-0.000 χ^2/NDF : 5314536205.4/22

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1401060.2/16

Left Out: 0.019+/-0.000 χ^2/NDF : 428176.5/24

Right Out: 0.015+/-0.000 χ^2/NDF : 983878.2/18

Left In: 0.019+/-0.000 χ^2/NDF : 481824.0/22

Left: 0.019+/-0.000 χ^2/NDF : 914809.6/47

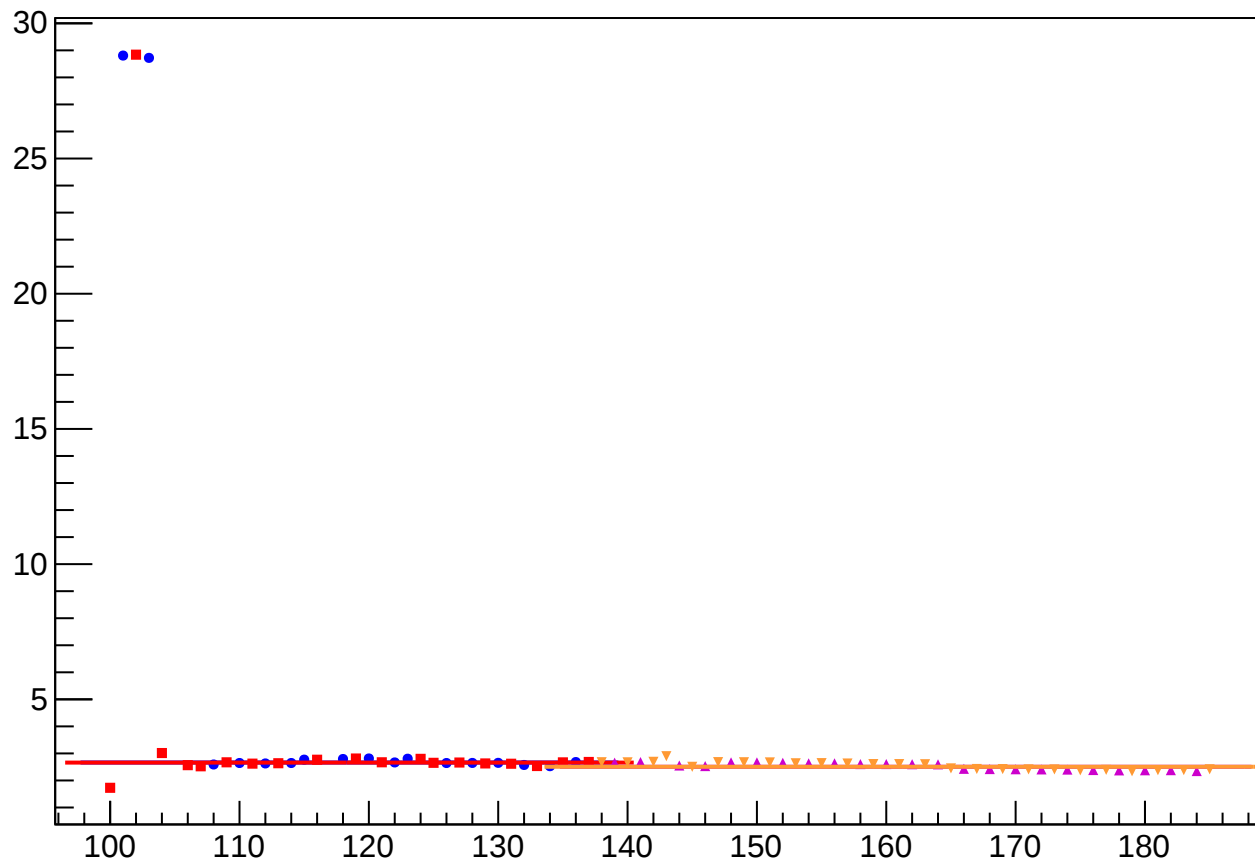
Right: 0.015+/-0.000 χ^2/NDF : 2409778.5/35

In: 0.017+/-0.000 χ^2/NDF : 2671708.2/39

Out: 0.018+/-0.000 χ^2/NDF : 1843230.9/43

All: 0.017+/-0.000 χ^2/NDF : 4520163.8/83

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664 $\pm$ 0.000 χ^2 /NDF: 163239224312.8/16

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64265840980.5/24

Right Out: 2.661 $\pm$ 0.000 χ^2 /NDF: 70469517041.1/18

Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

Left: 2.506 $\pm$ 0.000 χ^2 /NDF: 107162583596.4/47

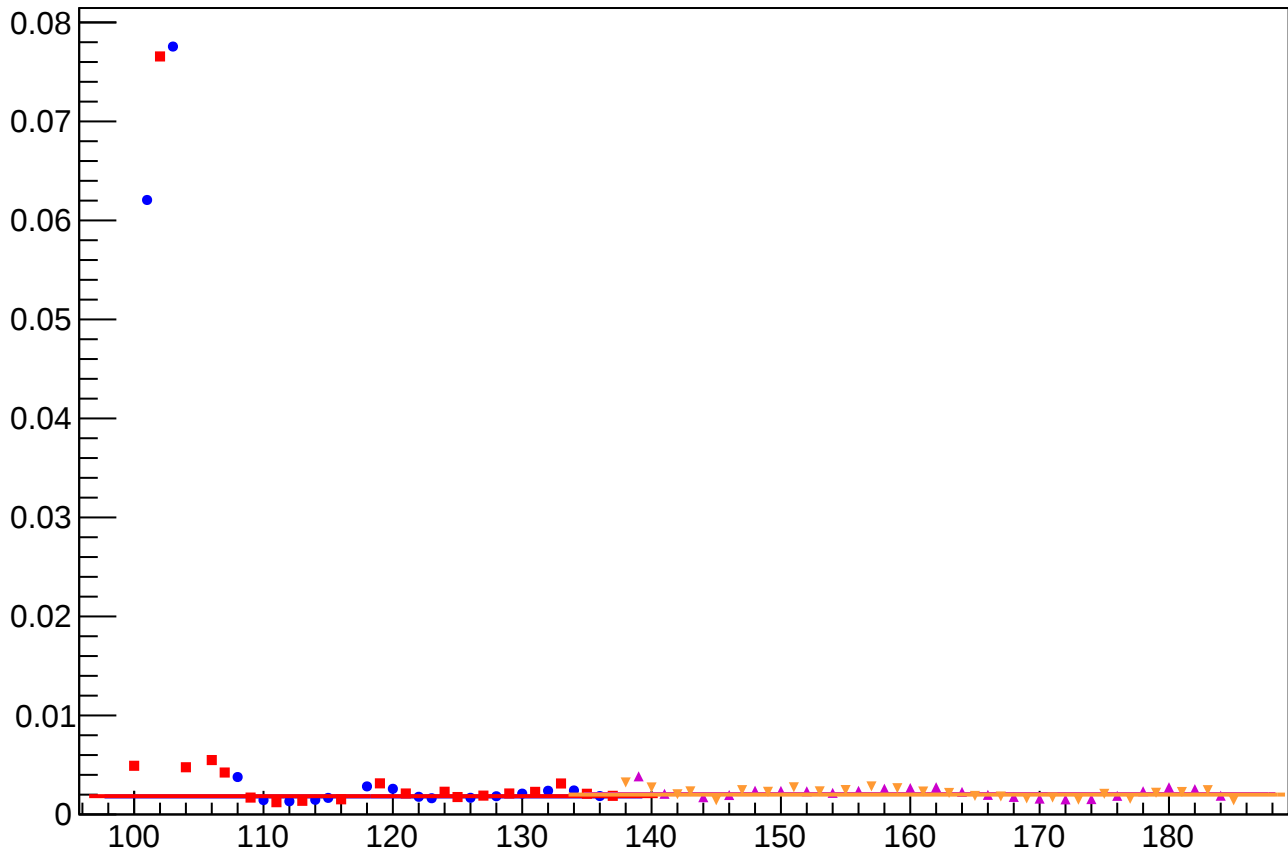
Right: 2.662 $\pm$ 0.000 χ^2 /NDF: 233714492758.5/35

In: 2.551 $\pm$ 0.000 χ^2 /NDF: 230136115004.3/39

Out: 2.550 $\pm$ 0.000 χ^2 /NDF: 158912027855.5/43

All: 2.550 $\pm$ 0.000 χ^2 /NDF: 389054473716.2

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2 /NDF: 2661214.8/16

Left Out: 0.002+/-0.000 χ^2 /NDF:1468685.1/24

Right Out: 0.002+/-0.000 χ^2 /NDF: 2328485.5/18

Left In: 0.002+/-0.000 χ^2 /NDF:1303230.9/22

Left: 0.002+/-0.000 χ^2 /NDF: 2781512.7/47

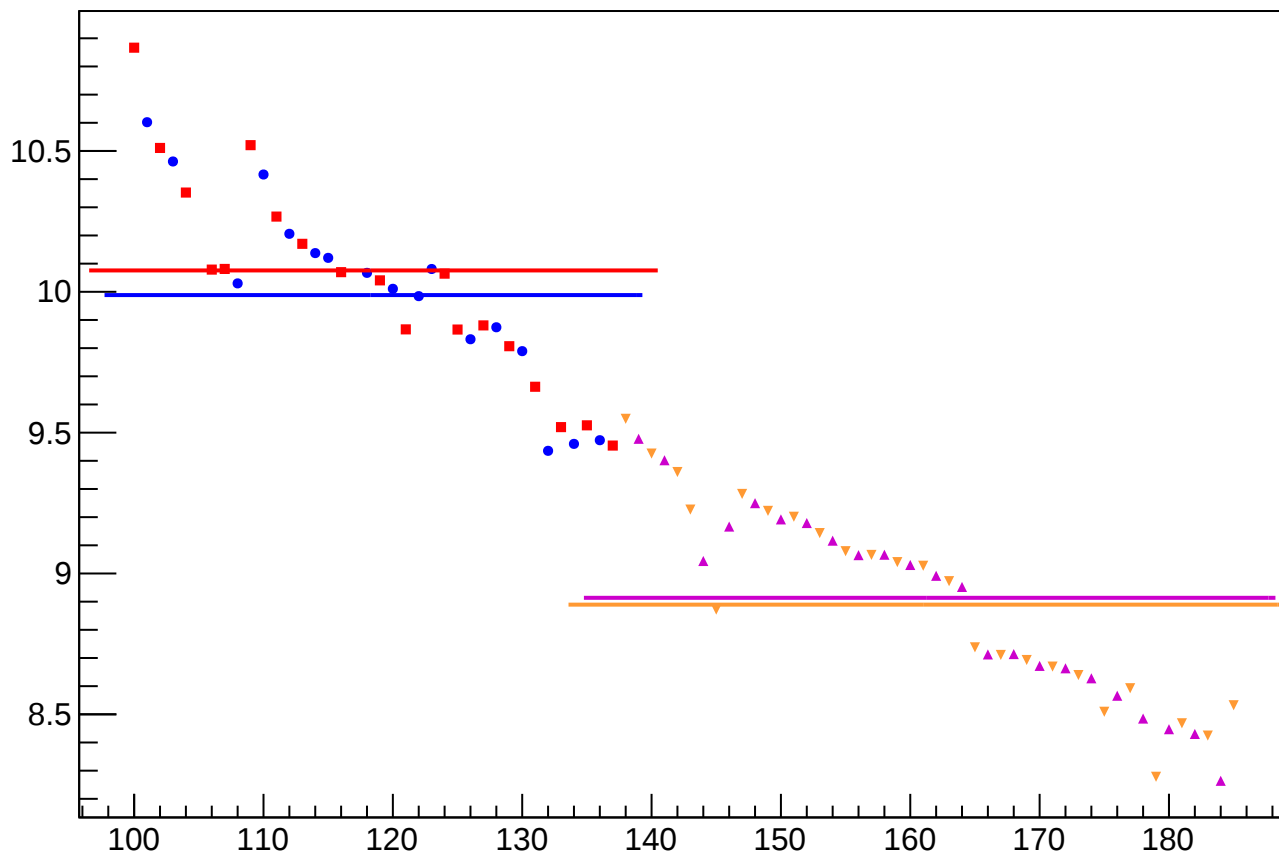
Right: 0.002+/-0.000 χ^2 /NDF: 4990933.6/35

In: 0.002+/-0.000 χ^2 /NDF:4076054.0/39

Out: 0.002+/-0.000 χ^2 /NDF:3848638.1/43

All: 0.002+/-0.000 χ^2 /NDF: 7928209.8/83

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.988+/-0.000 χ^2/NDF : 19058102133.2/16

Left Out: 8.889+/-0.000 χ^2/NDF : 34689173346.9/24

Right Out: 10.076+/-0.000 χ^2/NDF : 15960763158.3/18

Left In: 8.914+/-0.000 χ^2/NDF : 28497227562.7/22

Left: 8.901+/-0.000 χ^2/NDF : 63296035261.2/47

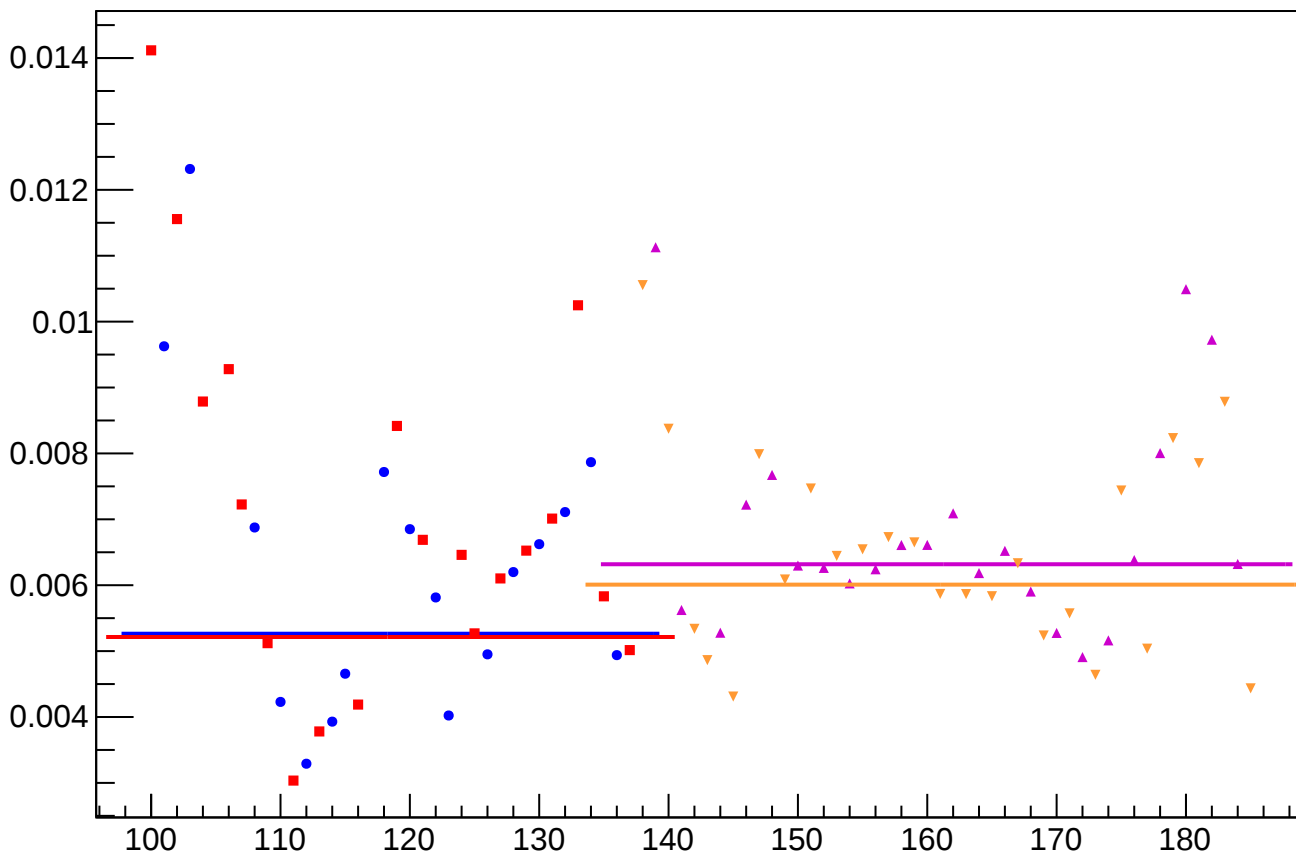
Right: 10.033+/-0.000 χ^2/NDF : 35731458435.6/35

In: 9.281+/-0.000 χ^2/NDF : 185189416142.8/39

Out: 9.272+/-0.000 χ^2/NDF : 233397074739.7/43

All: 9.276+/-0.000 χ^2/NDF : 418611442799.4

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1249771.4/16

Left Out: 0.006+/-0.000 χ^2/NDF :1311569.5/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1653053.2/18

Left In: 0.006+/-0.000 χ^2/NDF :1087051.3/22

Left: 0.006+/-0.000 χ^2/NDF : 2434356.0/47

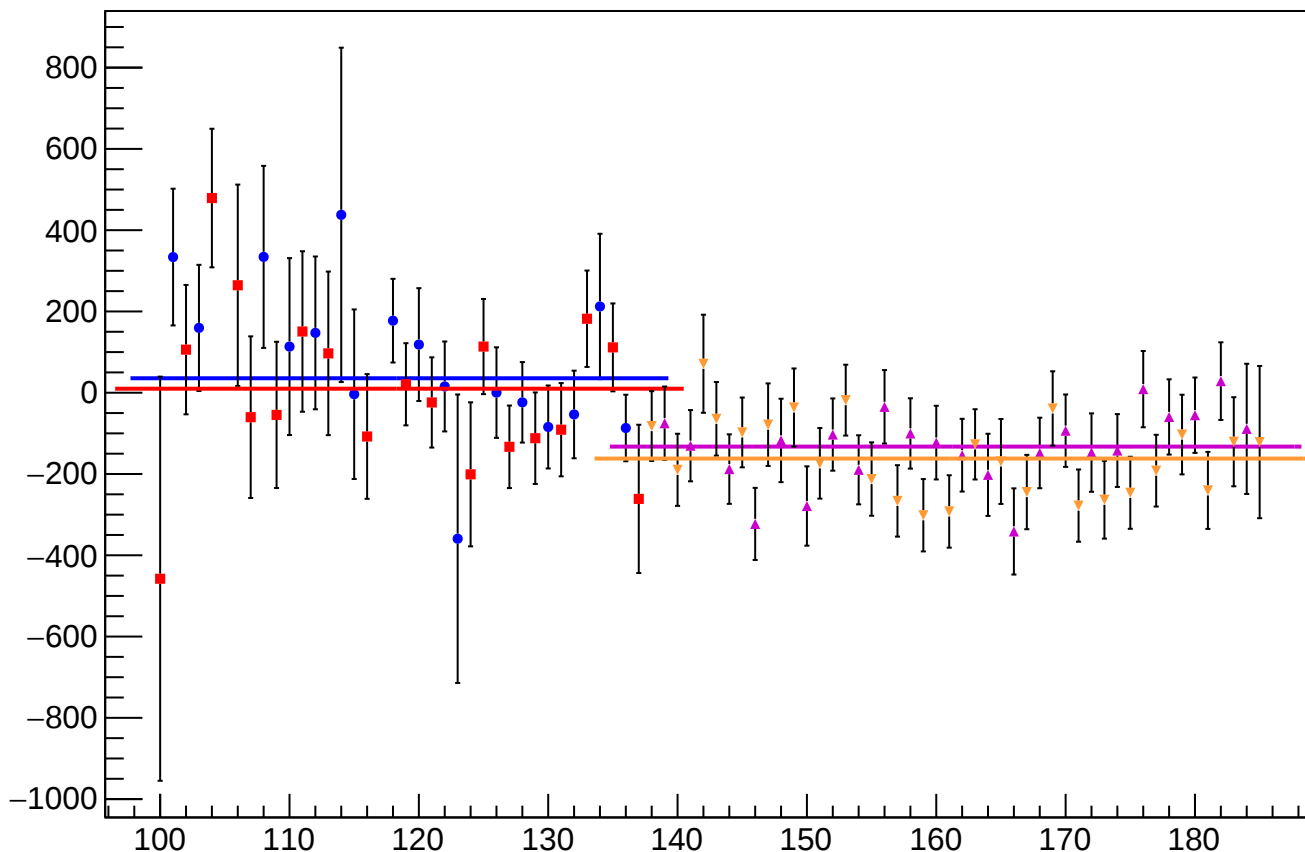
Right: 0.005+/-0.000 χ^2/NDF : 2903285.2/35

In: 0.006+/-0.000 χ^2/NDF :2601692.4/39

Out: 0.006+/-0.000 χ^2/NDF :3128560.9/43

All: 0.006+/-0.000 χ^2/NDF : 5753736.3/83

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 35.612 ± 32.342 $\chi^2/\text{NDF}: 16.3/16$

Left Out: -161.964 ± 18.747 $\chi^2/\text{NDF}: 25.7/24$

Right Out: 9.921 ± 32.186 $\chi^2/\text{NDF}: 22.8/18$

Left In: -132.557 ± 19.403 $\chi^2/\text{NDF}: 20.7/22$

Left: -147.767 ± 13.482 $\chi^2/\text{NDF}: 47.7/47$

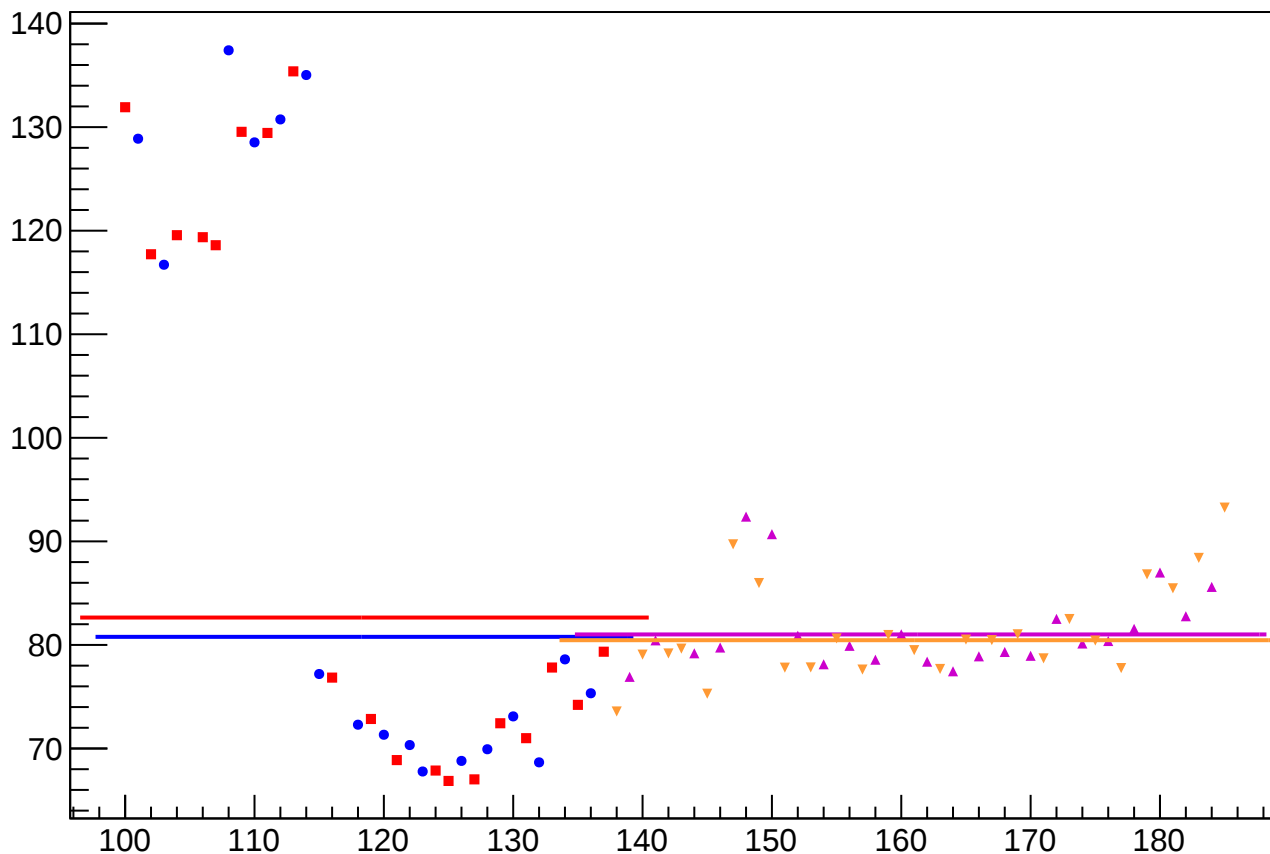
Right: 22.705 ± 22.814 $\chi^2/\text{NDF}: 39.4/35$

In: -88.048 ± 16.639 $\chi^2/\text{NDF}: 56.9/39$

Out: -118.425 ± 16.199 $\chi^2/\text{NDF}: 69.9/43$

All: -103.643 ± 11.607 $\chi^2/\text{NDF}: 128.5/83$

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.781 $\pm$ 0.023 χ^2 /NDF: 807781.3/16

Left Out: 80.457 $\pm$ 0.013 χ^2 /NDF:89838.3/24

Right Out: 82.645 $\pm$ 0.023 χ^2 /NDF: 908392.3/18

Left In: 81.014 $\pm$ 0.014 χ^2 /NDF:72250.2/22

Left: 80.726 $\pm$ 0.010 χ^2 /NDF: 162941.2/47

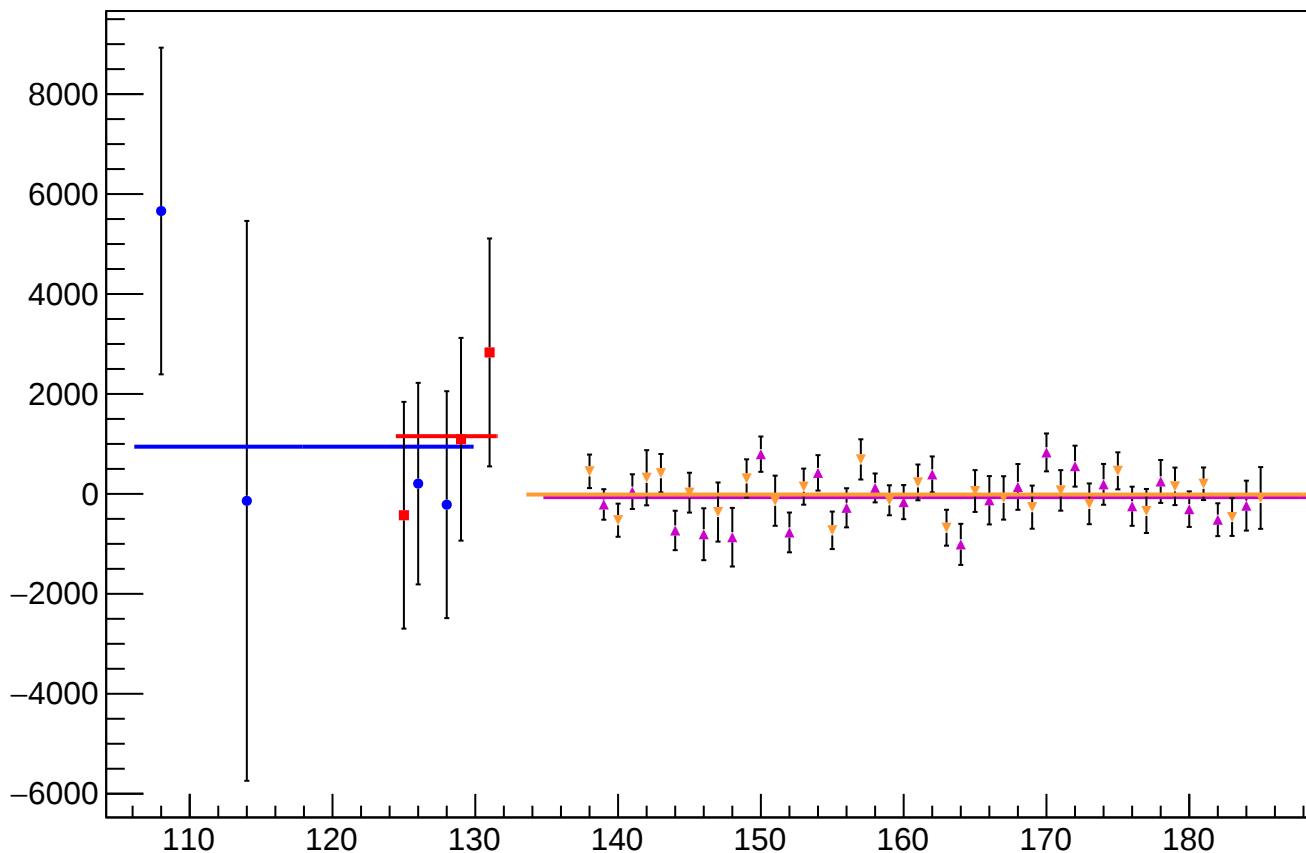
Right: 81.717 $\pm$ 0.016 χ^2 /NDF: 1719511.7/35

In: 80.952 $\pm$ 0.012 χ^2 /NDF:880107.9/39

Out: 81.011 $\pm$ 0.011 χ^2 /NDF:1005132.9/43

All: 80.982 $\pm$ 0.008 χ^2 /NDF: 1885253.6/83

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: 944.622 ± 1329.889 $\chi^2/\text{NDF}: 2.5/3$

Left Out: -12.771 ± 78.406 $\chi^2/\text{NDF}: 22.9/24$

Right Out: 1154.707 ± 1260.302 $\chi^2/\text{NDF}: 1.0/2$

Left In: -64.591 ± 80.047 $\chi^2/\text{NDF}: 37.4/22$

Left: -38.145 ± 56.012 $\chi^2/\text{NDF}: 60.5/47$

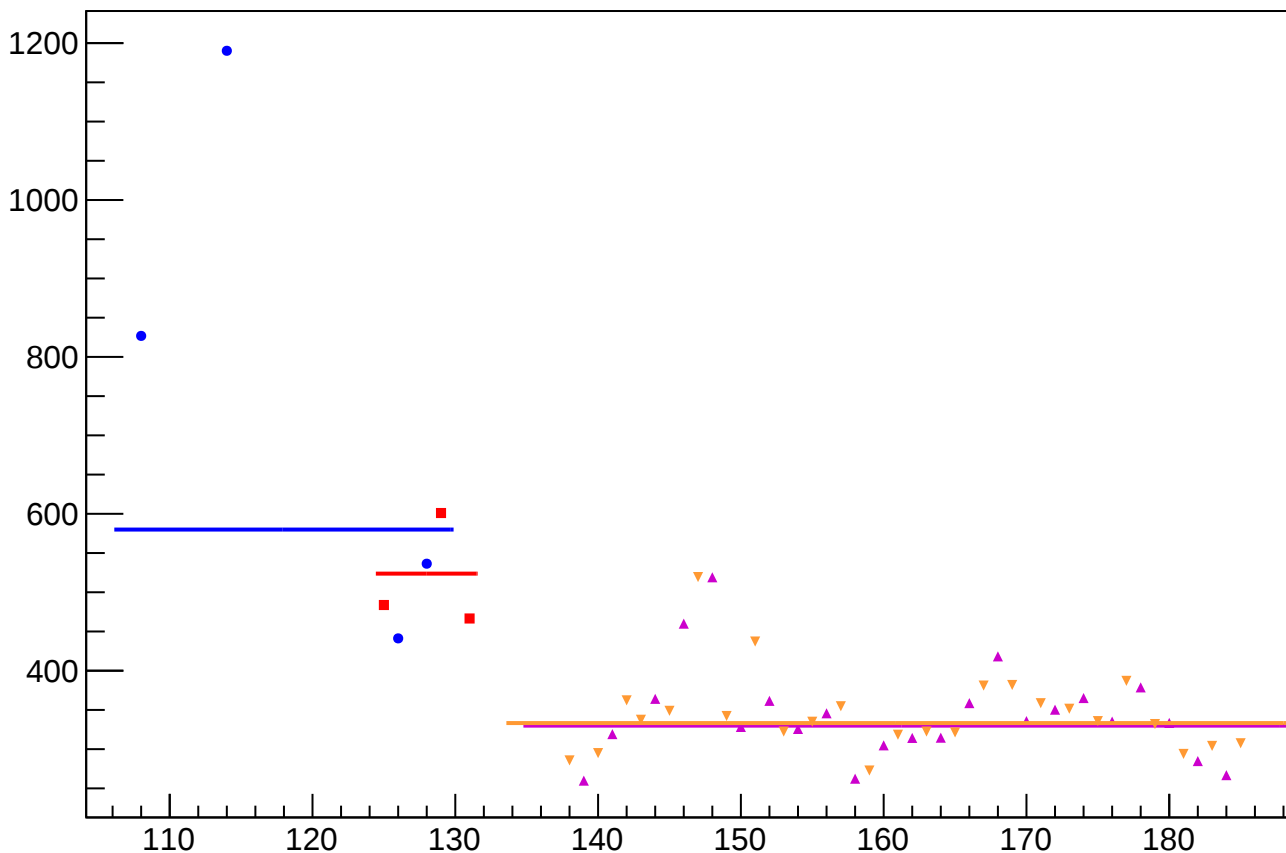
Right: 1055.304 ± 914.780 $\chi^2/\text{NDF}: 3.6/6$

In: -60.948 ± 79.902 $\chi^2/\text{NDF}: 40.5/26$

Out: -8.270 ± 78.255 $\chi^2/\text{NDF}: 24.8/27$

All: -34.060 ± 55.908 $\chi^2/\text{NDF}: 65.5/54$

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 579.917+/-0.940 χ^2/NDF : 45346.8/3

Left Out: 333.257+/-0.055 χ^2/NDF : 591772.7/24

Right Out: 523.753+/-0.891 χ^2/NDF : 4780.0/2

Left In: 329.985+/-0.057 χ^2/NDF : 795969.0/22

Left: 331.655+/-0.040 χ^2/NDF : 1389446.9/47

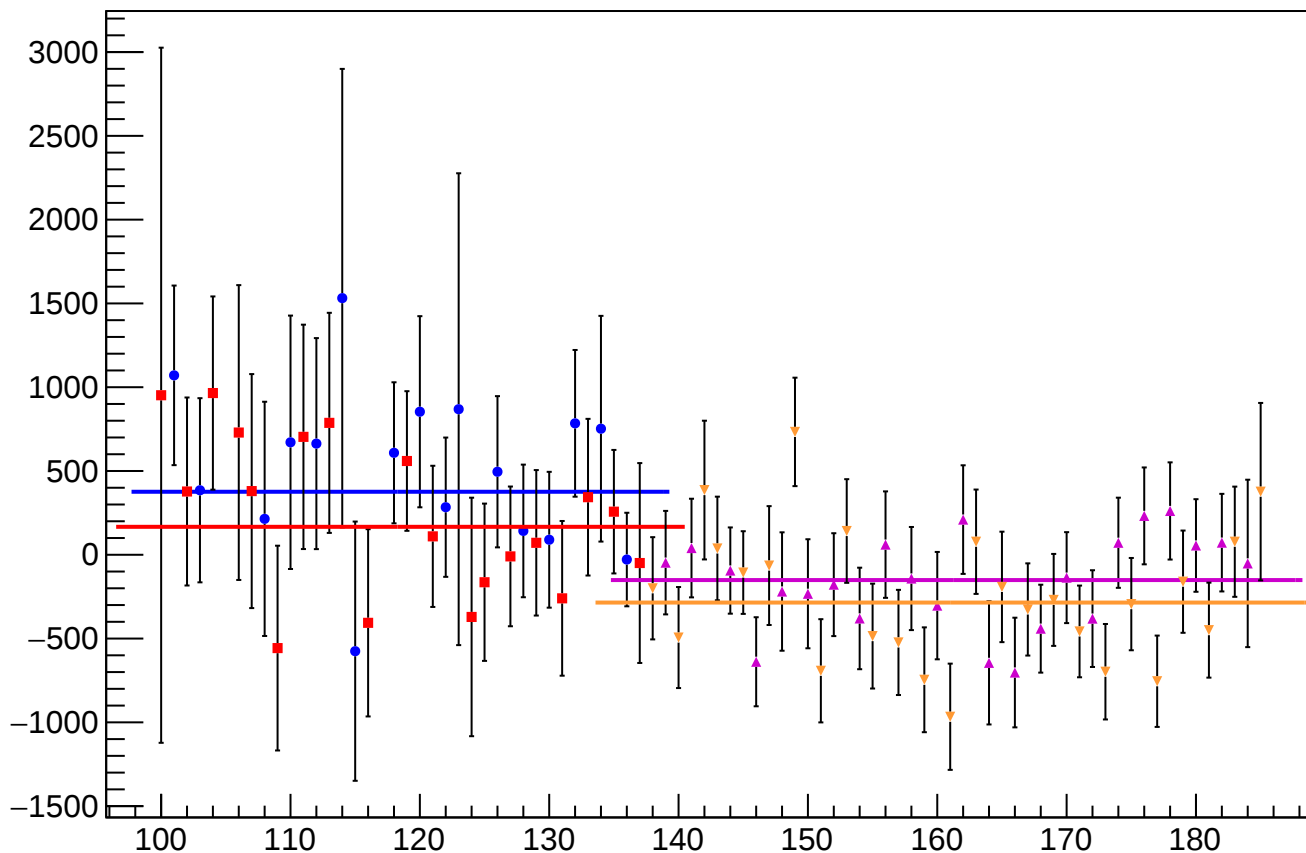
Right: 550.327+/-0.647 χ^2/NDF : 52006.2/6

In: 330.888+/-0.056 χ^2/NDF : 911699.5/26

Out: 333.992+/-0.055 χ^2/NDF : 642069.7/27

All: 332.472+/-0.040 χ^2/NDF : 1555309.8/54

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 376.077 $\pm$ 121.292 χ^2/NDF : 9.7/16

Left Out: -285.148 $\pm$ 61.101 χ^2/NDF : 36.7/24

Right Out: 166.872 $\pm$ 120.731 χ^2/NDF : 10.1/18

Left In: -150.920 $\pm$ 62.818 χ^2/NDF : 18.7/22

Left: -219.893 $\pm$ 43.799 χ^2/NDF : 57.8/47

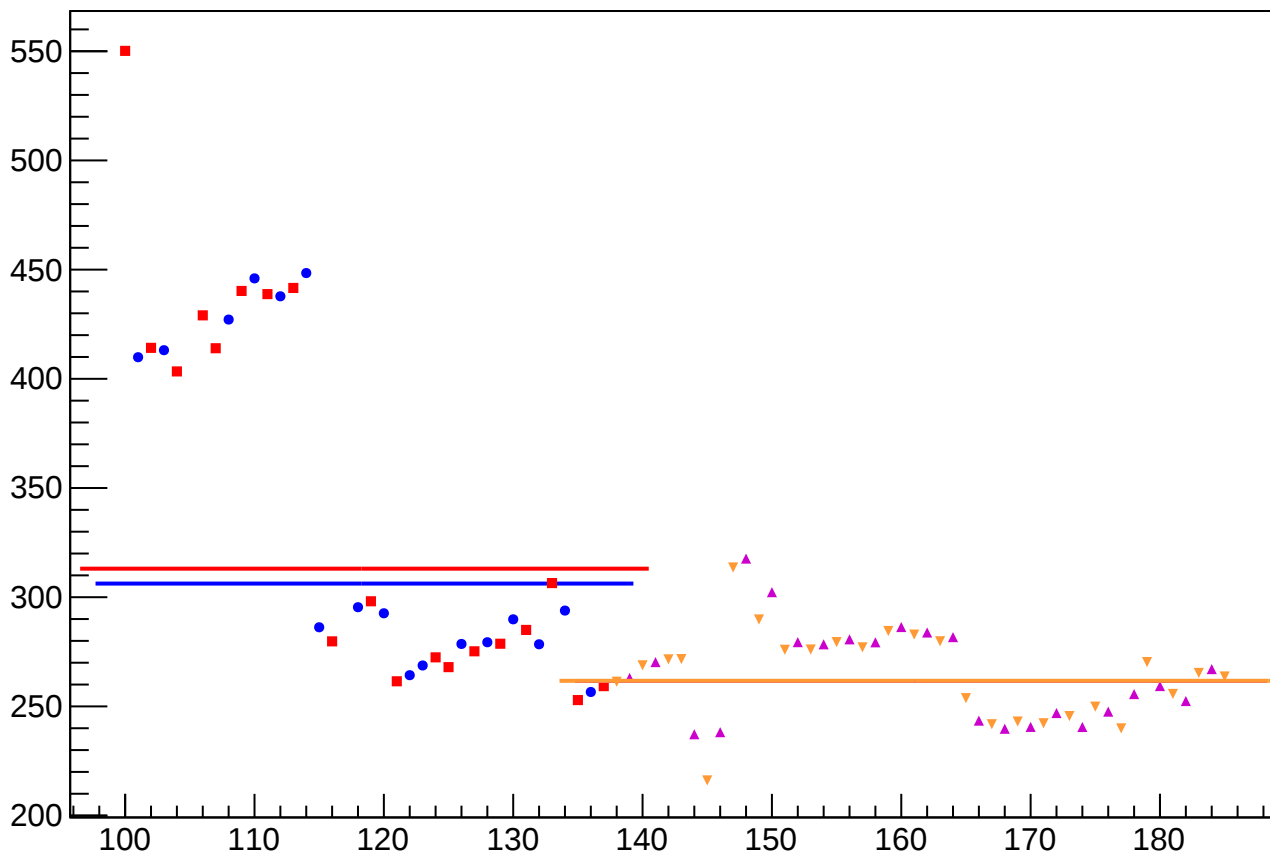
Right: 270.989 $\pm$ 85.567 χ^2/NDF : 21.3/35

In: -39.461 $\pm$ 55.781 χ^2/NDF : 43.3/39

Out: -192.979 $\pm$ 54.517 χ^2/NDF : 58.0/43

All: -117.979 $\pm$ 38.988 χ^2/NDF : 105.1/83

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.241+/-0.086 χ^2/NDF : 505092.7/16

Left Out: 261.717+/-0.043 χ^2/NDF : 233206.3/24

Right Out: 313.066+/-0.085 χ^2/NDF : 621526.7/18

Left In: 261.637+/-0.044 χ^2/NDF : 228241.3/22

Left: 261.678+/-0.031 χ^2/NDF : 461449.3/47

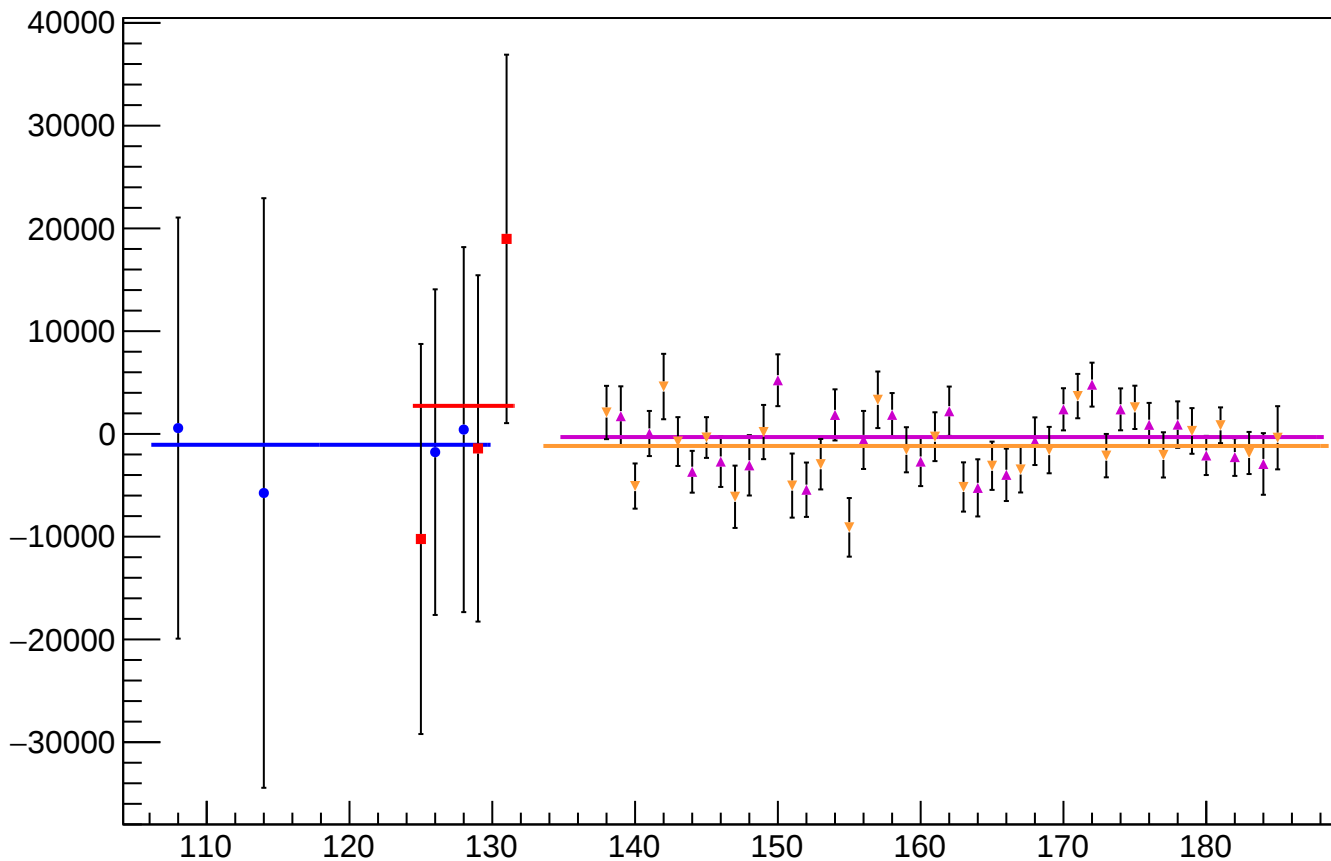
Right: 309.669+/-0.061 χ^2/NDF : 1129800.6/35

In: 271.070+/-0.039 χ^2/NDF : 946602.5/39

Out: 272.187+/-0.039 χ^2/NDF : 1142755.8/43

All: 271.642+/-0.028 χ^2/NDF : 2089768.7/83

asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: -1057.023+/-9645.185 χ^2/NDF : 0.0/3

Left Out: -1171.790+/-469.109 χ^2/NDF :38.8/24

Right Out: 2731.442+/-10310.351 χ^2/NDF : 1.3/2

Left In: -304.366+/-483.778 χ^2/NDF :35.4/22

Left: -751.428+/-336.777 χ^2/NDF : 75.8/47

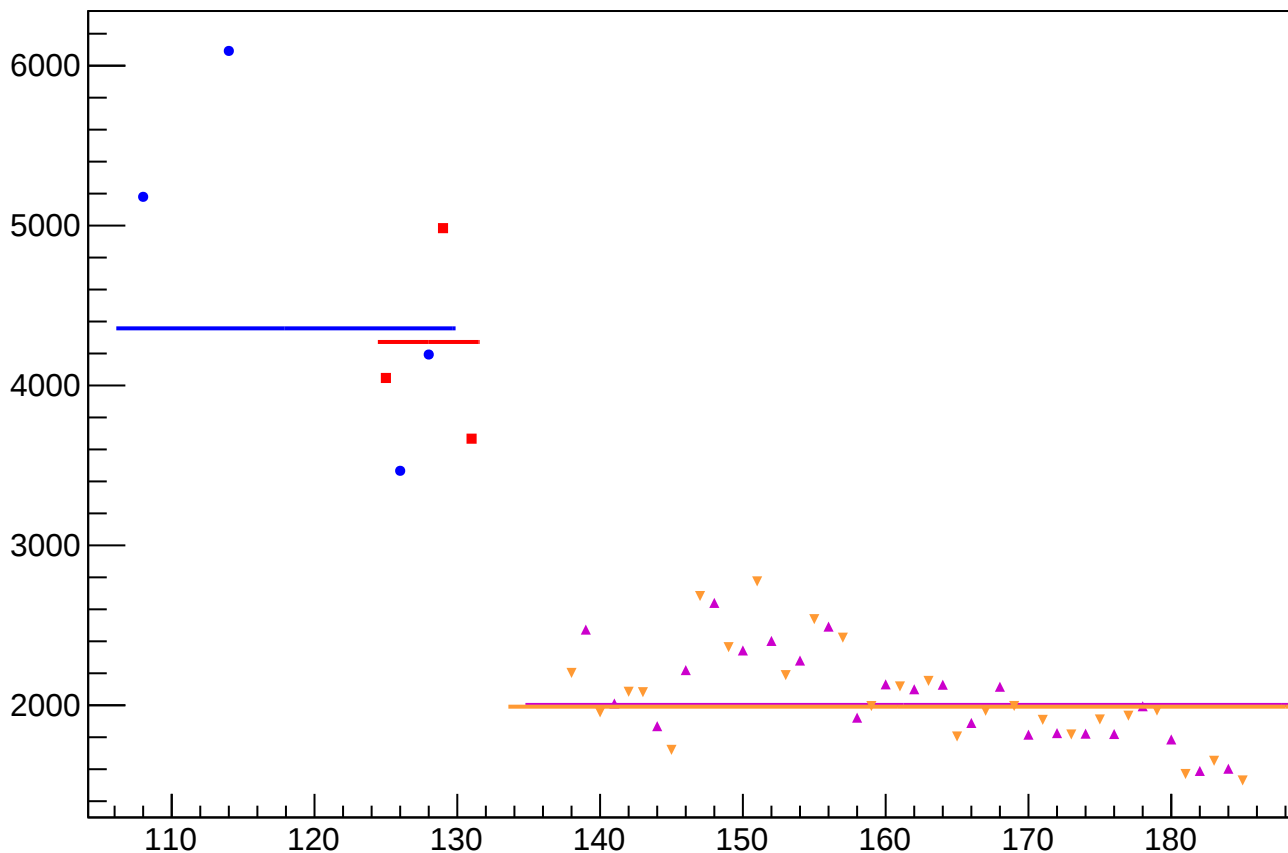
Right: 711.071+/-7043.597 χ^2/NDF : 1.5/6

In: -306.255+/-483.171 χ^2/NDF :35.4/26

Out: -1163.727+/-468.624 χ^2/NDF :40.3/27

All: -748.093+/-336.393 χ^2/NDF : 77.3/54

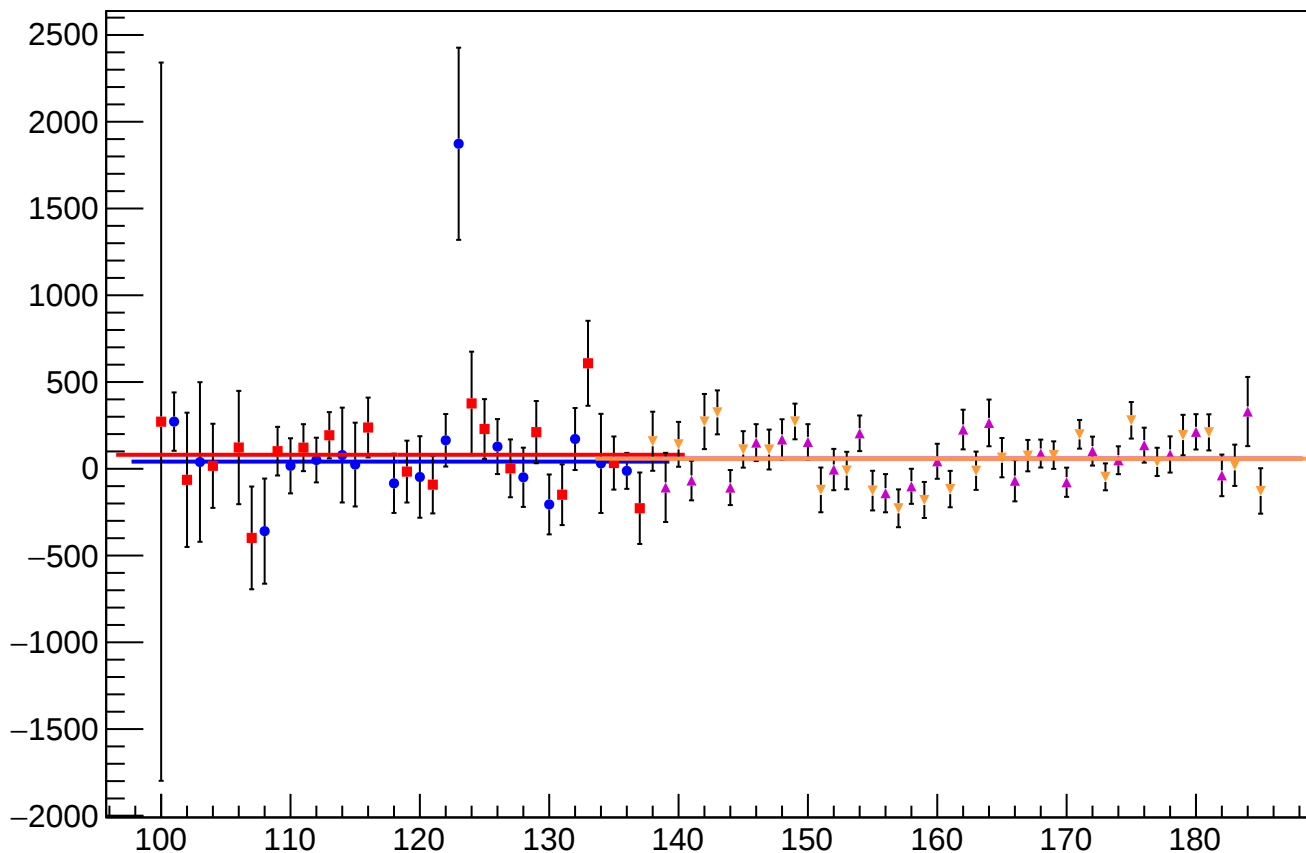
asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 4357.248+/-6.820 χ^2/NDF : 17030.4/3
 Left Out: 1991.161+/-0.332 χ^2/NDF : 726286.3/24
 Right Out: 4272.099+/-7.291 χ^2/NDF : 6125.9/2
 Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

Left: 1996.488+/-0.238 χ^2/NDF : 1312765.9/47
 Right: 4317.508+/-4.981 χ^2/NDF : 23229.0/6
 In: 2008.064+/-0.342 χ^2/NDF : 721919.5/26
 Out: 1995.873+/-0.331 χ^2/NDF : 830093.5/27
 All: 2001.782+/-0.238 χ^2/NDF : 1552669.1/54

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 41.443 $\pm$ 43.633 χ^2 /NDF: 19.4/16

Left Out: 58.591 $\pm$ 21.139 χ^2 /NDF: 47.0/24

Right Out: 80.808 $\pm$ 43.212 χ^2 /NDF: 17.1/18

Left In: 59.235 $\pm$ 21.921 χ^2 /NDF: 29.4/22

Left: 58.901 $\pm$ 15.217 χ^2 /NDF: 76.4/47

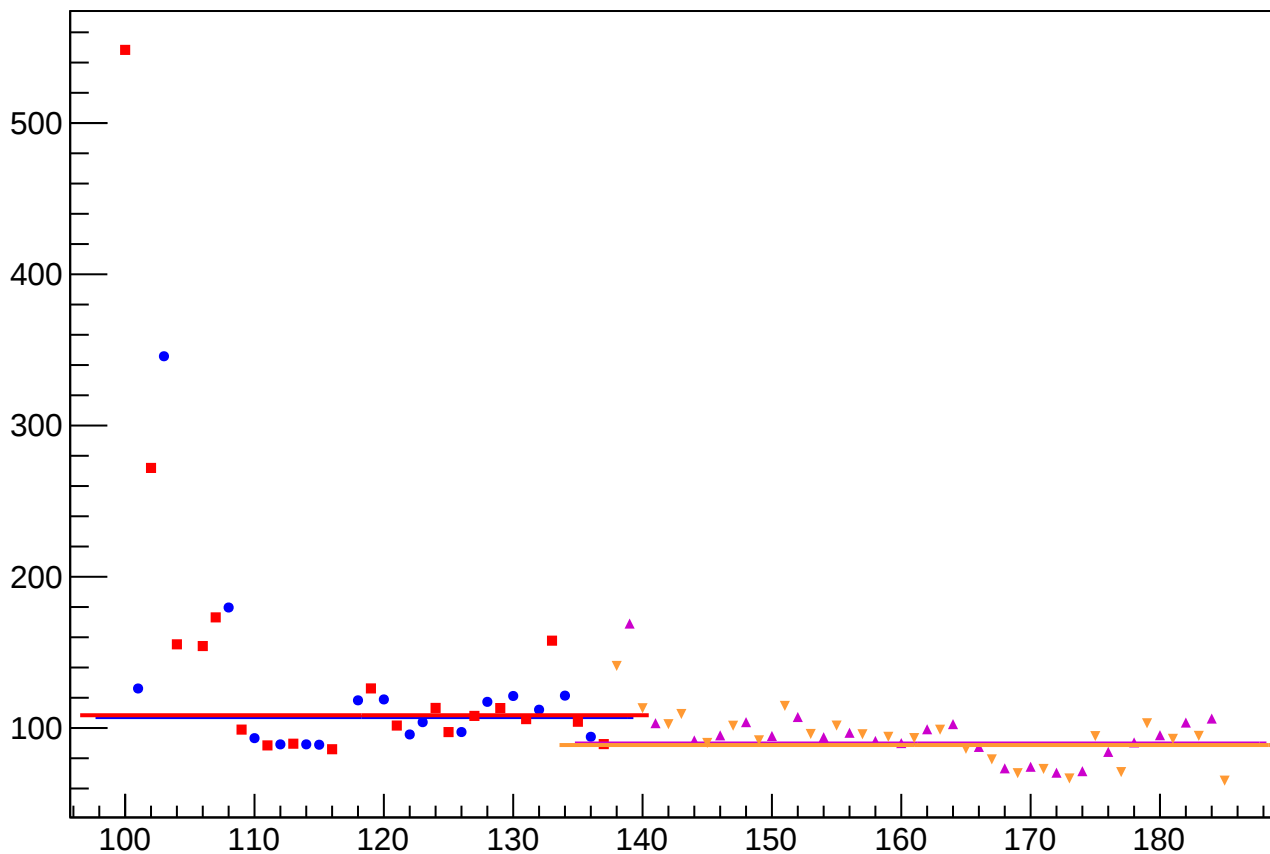
Right: 61.316 $\pm$ 30.703 χ^2 /NDF: 36.9/35

In: 55.649 $\pm$ 19.588 χ^2 /NDF: 48.9/39

Out: 62.881 $\pm$ 18.989 χ^2 /NDF: 64.3/43

All: 59.377 $\pm$ 13.634 χ^2 /NDF: 113.2/83

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.231 $\pm$ 0.031 χ^2 /NDF: 843493.4/16

Left Out: 88.745 $\pm$ 0.015 χ^2 /NDF:1079212.7/24

Right Out: 108.446 $\pm$ 0.031 χ^2 /NDF: 917457.6/18

Left In: 89.766 $\pm$ 0.016 χ^2 /NDF:885818.0/22

Left: 89.237 $\pm$ 0.011 χ^2 /NDF: 1967276.5/47

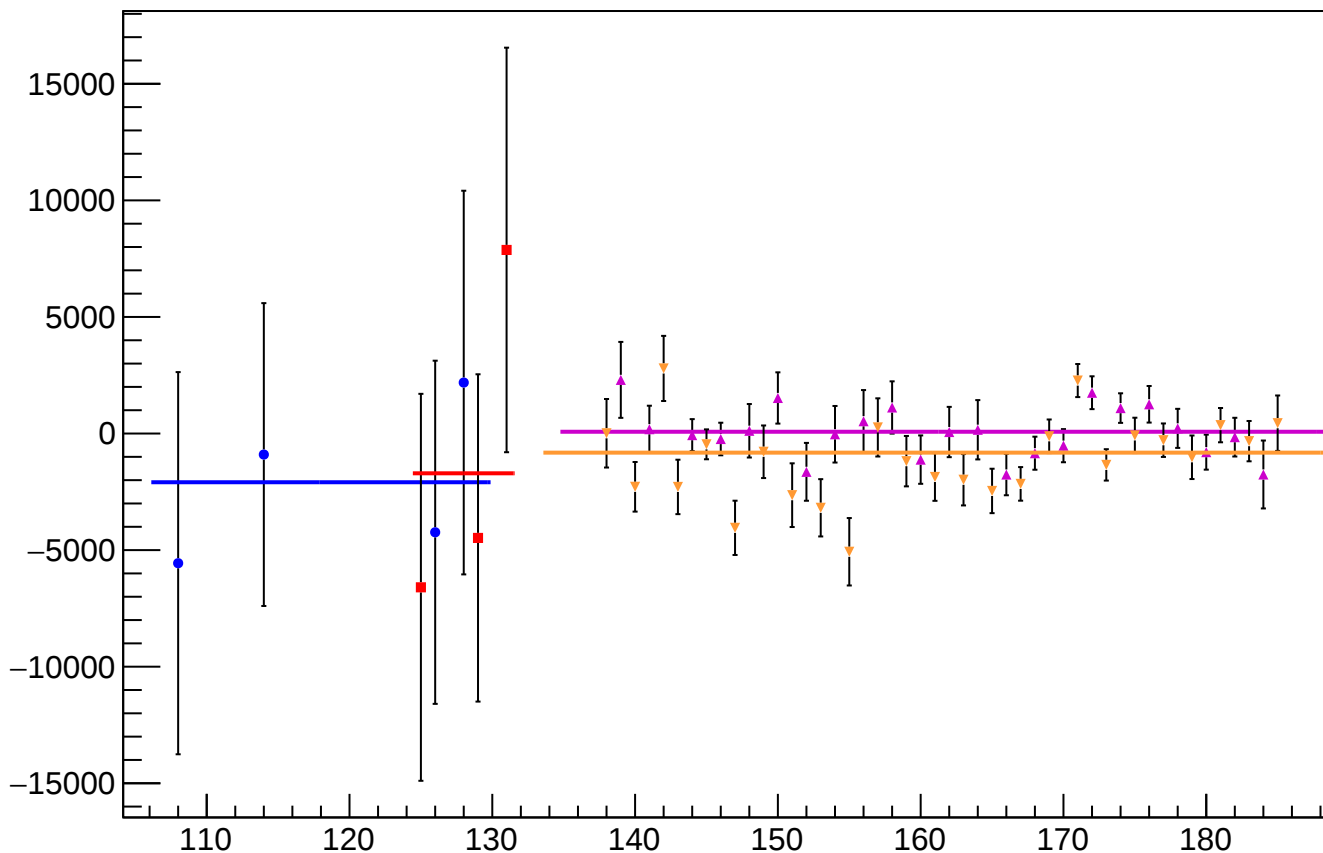
Right: 107.845 $\pm$ 0.022 χ^2 /NDF: 1761734.0/35

In: 93.286 $\pm$ 0.014 χ^2 /NDF:1985182.9/39

Out: 92.550 $\pm$ 0.013 χ^2 /NDF:2332105.2/43

All: 92.906 $\pm$ 0.010 χ^2 /NDF: 4318744.3/83

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: -2089.367 $\pm$ 3731.168 χ^2 /NDF: 0.6/3

Left Out: -819.510 $\pm$ 184.485 χ^2 /NDF:68.2/24

Right Out: -1705.730 $\pm$ 4559.420 χ^2 /NDF: 1.7/2

Left In: 76.204 $\pm$ 186.651 χ^2 /NDF:28.3/22

Left: -376.880 $\pm$ 131.210 χ^2 /NDF: 108.1/47

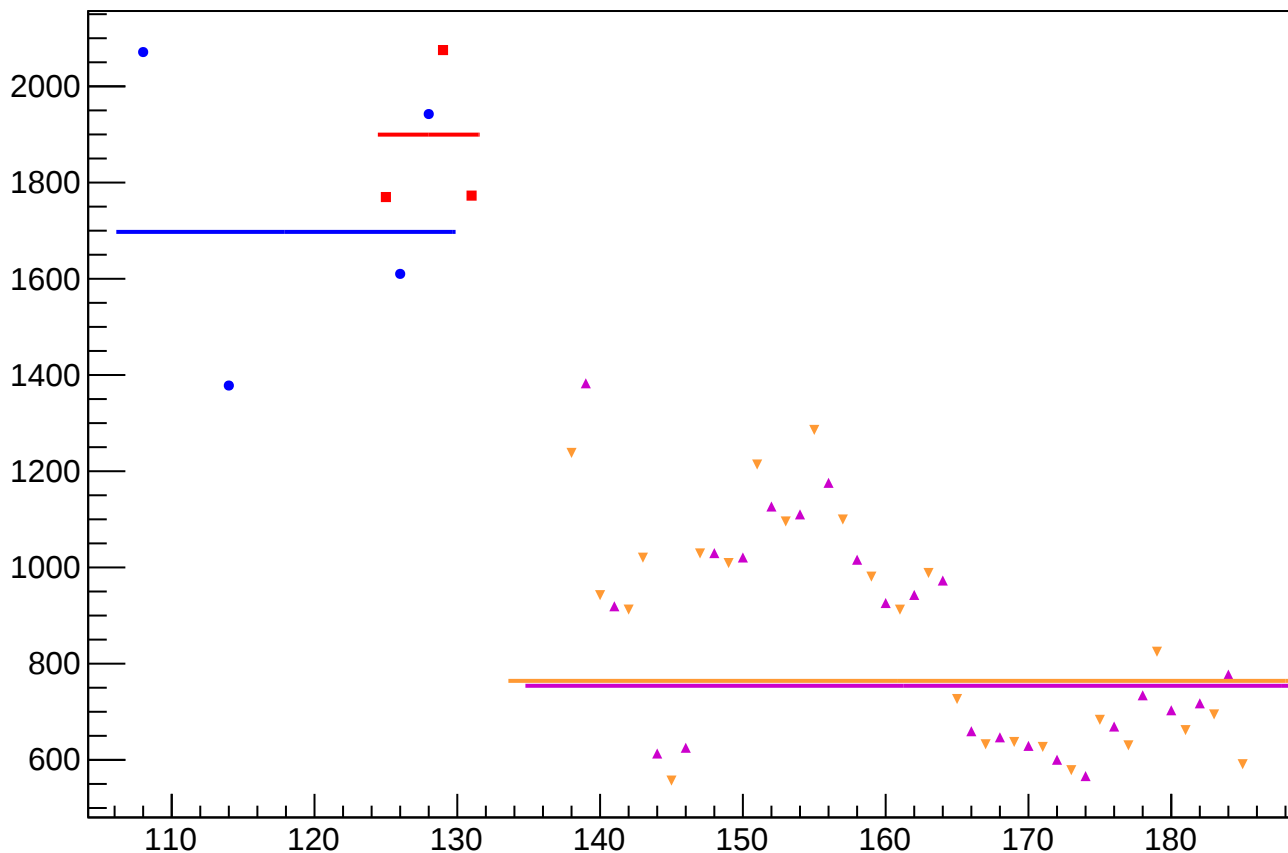
Right: -1935.496 $\pm$ 2887.537 χ^2 /NDF: 2.3/6

In: 70.798 $\pm$ 186.418 χ^2 /NDF:29.2/26

Out: -820.958 $\pm$ 184.334 χ^2 /NDF:70.0/27

All: -380.092 $\pm$ 131.074 χ^2 /NDF: 110.7/54

asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 1697.477+/-2.638 χ^2/NDF : 11050.0/3

Left Out: 764.263+/-0.130 χ^2/NDF : 2316180.8/24

Right Out: 1899.639+/-3.224 χ^2/NDF : 2170.1/2

Left In: 754.027+/-0.132 χ^2/NDF : 2013386.7/22

Left: 759.205+/-0.093 χ^2/NDF : 4332610.6/47

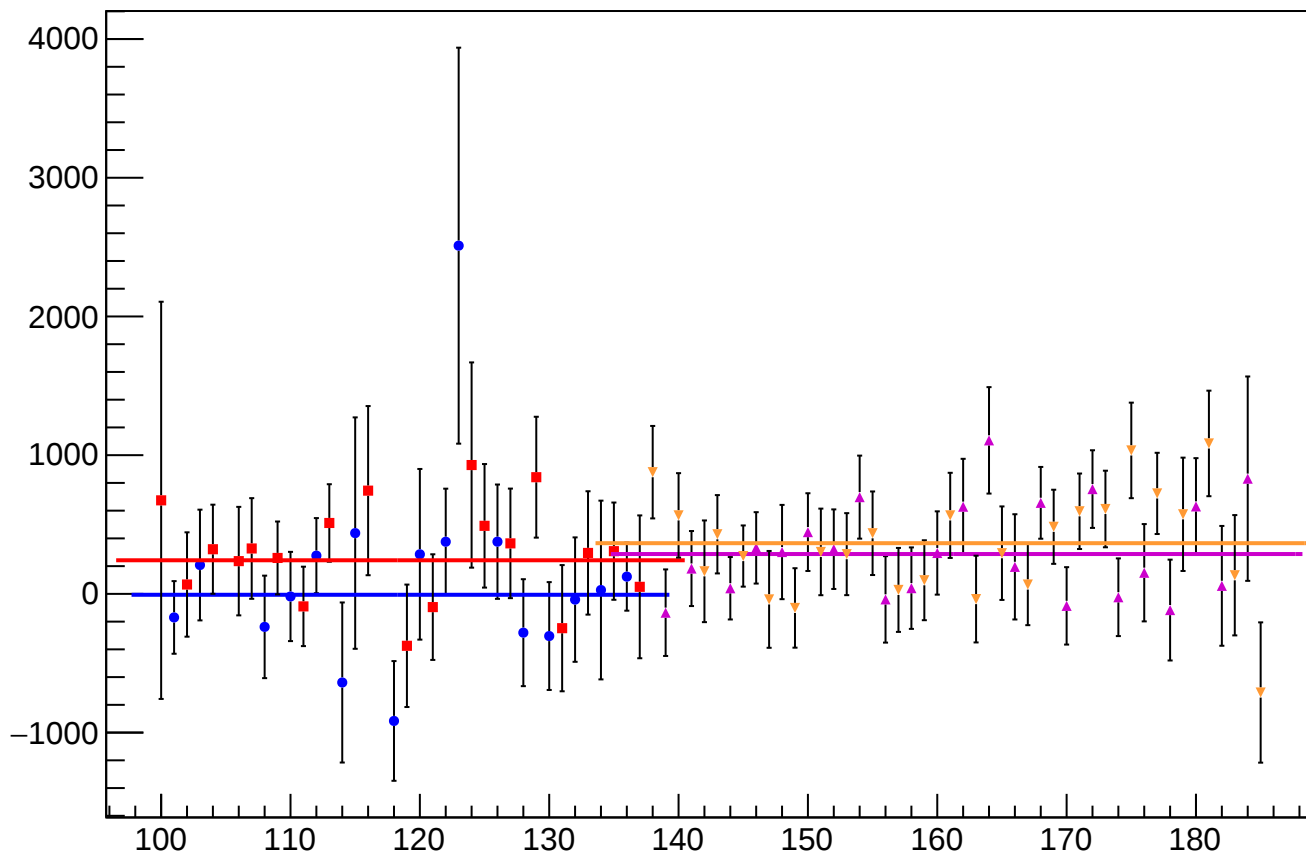
Right: 1778.561+/-2.042 χ^2/NDF : 15574.9/6

In: 756.382+/-0.132 χ^2/NDF : 2151990.4/26

Out: 766.119+/-0.130 χ^2/NDF : 2442167.6/27

All: 761.305+/-0.093 χ^2/NDF : 4596917.2/54

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -6.497+/-93.462 χ^2/NDF : 14.7/16

Left Out: 365.469+/-61.948 χ^2/NDF : 28.4/24

Right Out: 242.246+/-89.108 χ^2/NDF : 10.6/18

Left In: 287.246+/-64.141 χ^2/NDF : 23.9/22

Left: 327.717+/-44.559 χ^2/NDF : 53.0/47

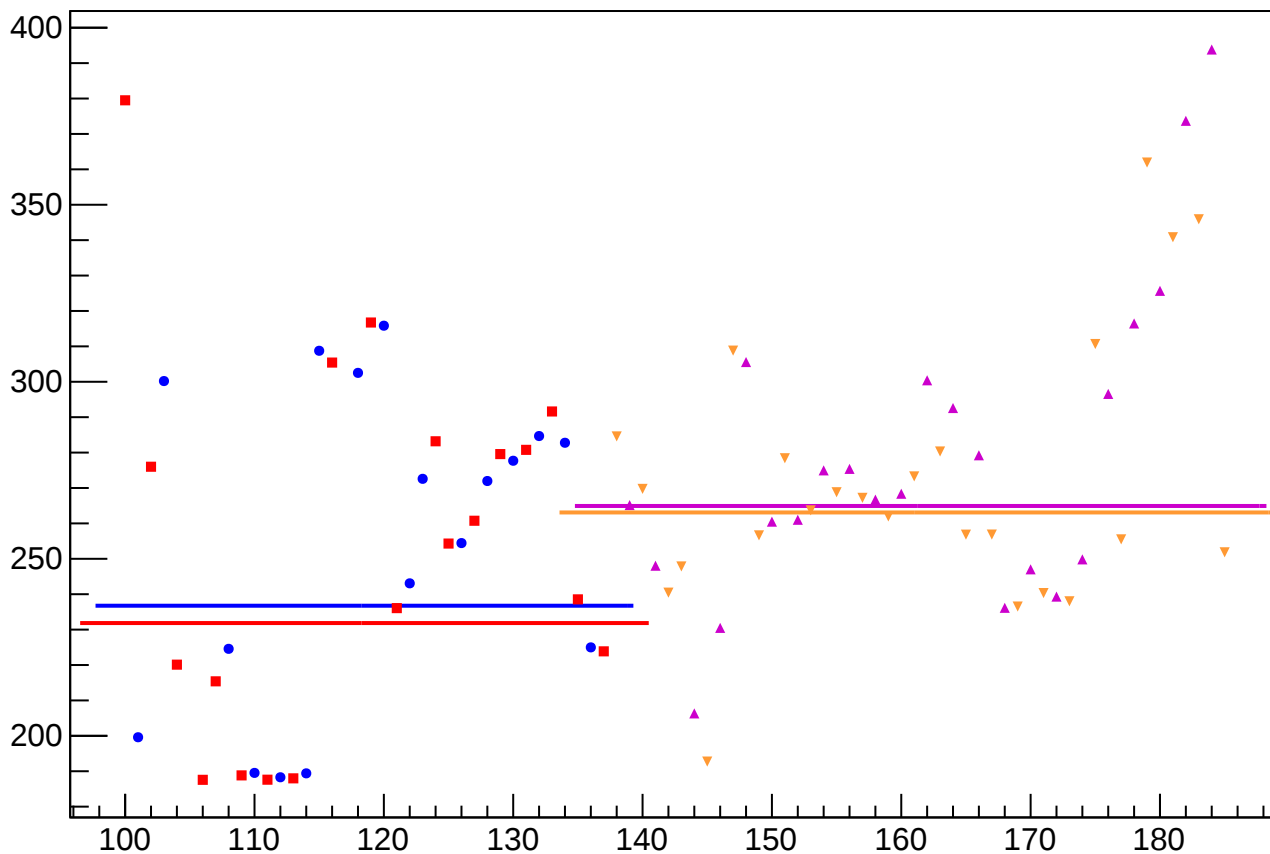
Right: 123.803+/-64.493 χ^2/NDF : 29.0/35

In: 193.196+/-52.885 χ^2/NDF : 45.3/39

Out: 325.319+/-50.864 χ^2/NDF : 40.3/43

All: 261.830+/-36.660 χ^2/NDF : 88.8/83

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.750 $\pm$ 0.066 χ^2 /NDF: 390018.3/16

Left Out: 263.090 $\pm$ 0.044 χ^2 /NDF: 641609.6/24

Right Out: 231.853 $\pm$ 0.063 χ^2 /NDF: 445120.6/18

Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

Left: 263.975 $\pm$ 0.032 χ^2 /NDF: 1251479.5/47

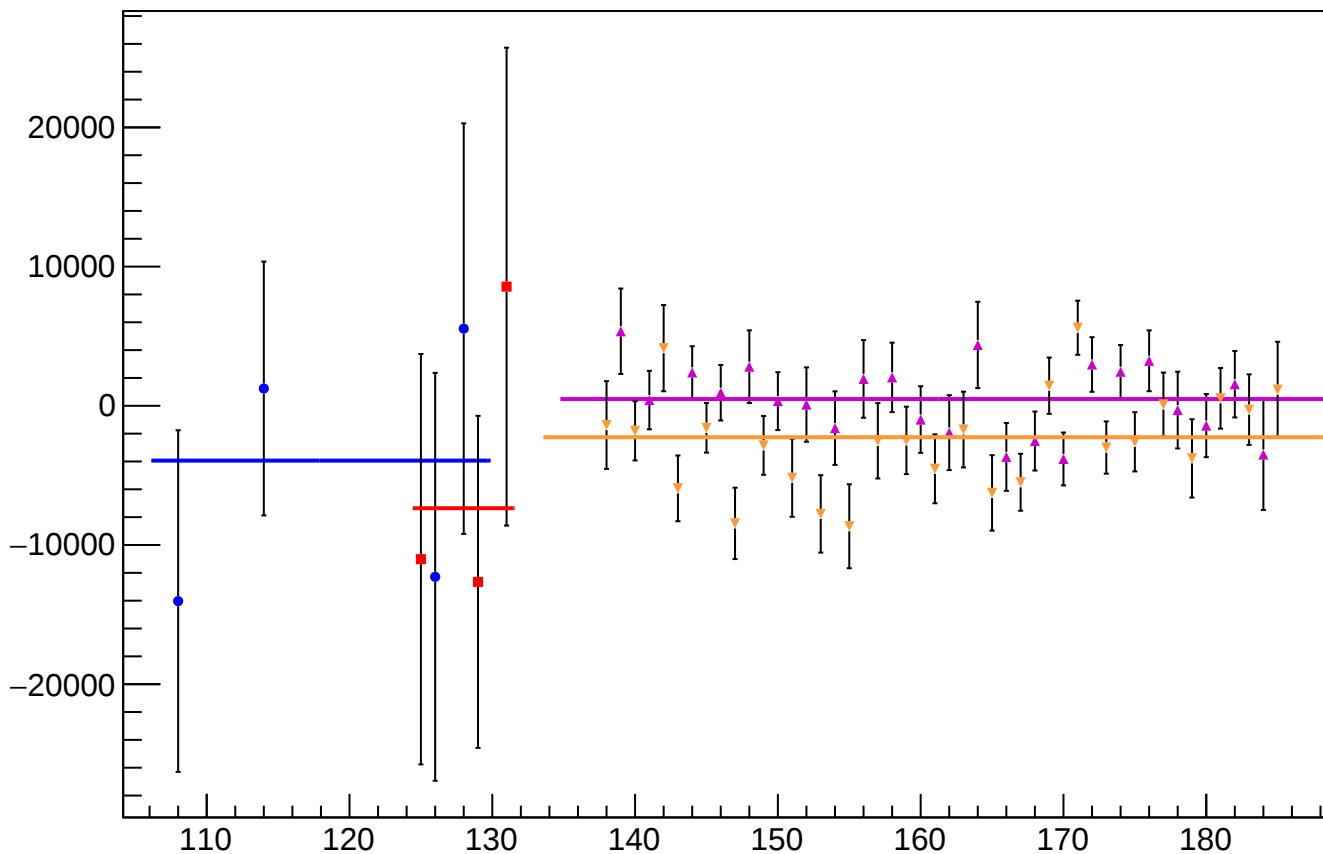
Right: 234.185 $\pm$ 0.046 χ^2 /NDF: 838014.1/35

In: 255.902 $\pm$ 0.037 χ^2 /NDF: 1122592.3/39

Out: 252.912 $\pm$ 0.036 χ^2 /NDF: 1252420.4/43

All: 254.349 $\pm$ 0.026 χ^2 /NDF: 2378334.5/83

asym_sam4_correction_mean vs Slug, Sign Corrected



Right In: -3937.127 ± 5984.477 $\chi^2/\text{NDF}: 1.7/3$

Left Out: -2256.292 ± 475.385 $\chi^2/\text{NDF}: 52.4/24$

Right Out: -7358.957 ± 8158.706 $\chi^2/\text{NDF}: 1.1/2$

Left In: 485.590 ± 487.465 $\chi^2/\text{NDF}: 24.8/22$

Left: -919.746 ± 340.339 $\chi^2/\text{NDF}: 93.4/47$

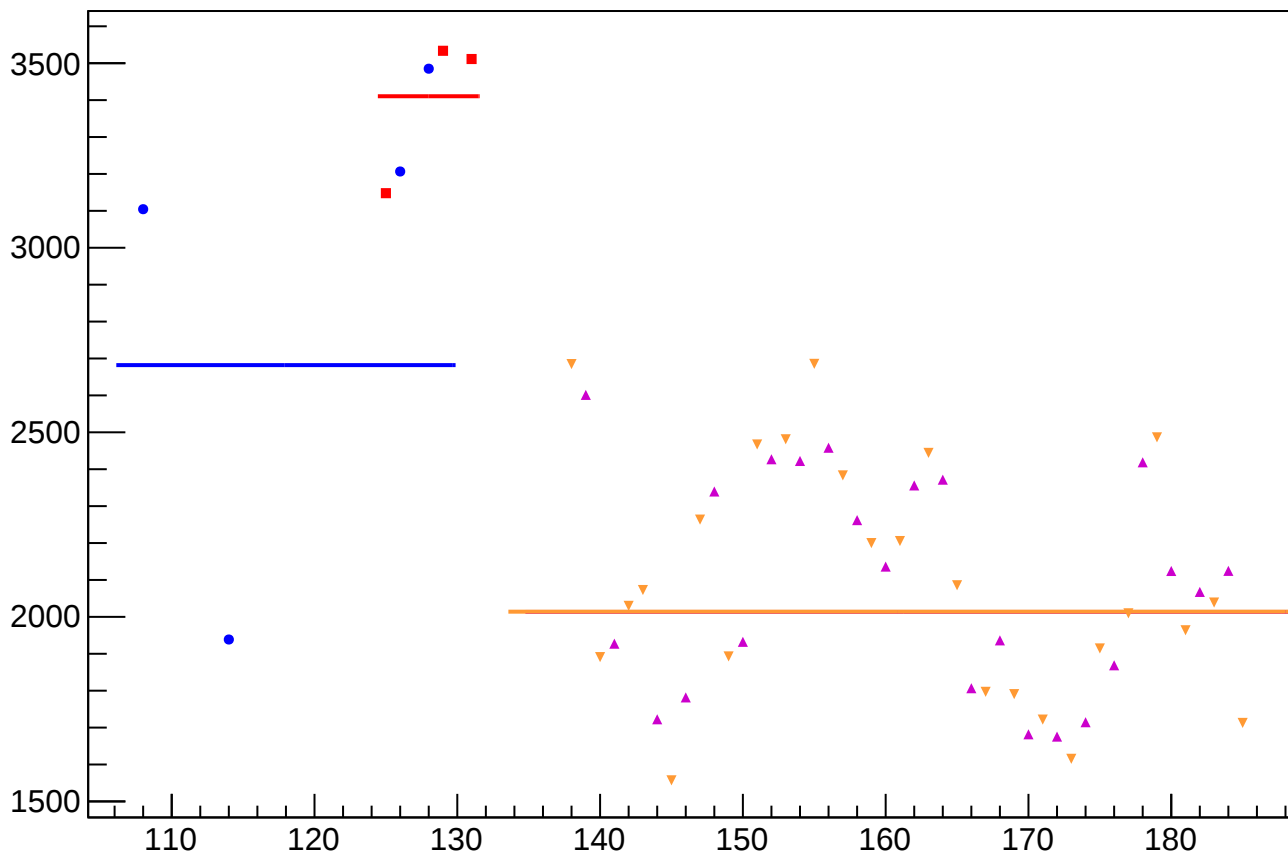
Right: -5134.149 ± 4825.510 $\chi^2/\text{NDF}: 3.0/6$

In: 456.439 ± 485.856 $\chi^2/\text{NDF}: 27.0/26$

Out: -2273.557 ± 474.580 $\chi^2/\text{NDF}: 53.9/27$

All: -940.606 ± 339.495 $\chi^2/\text{NDF}: 97.1/54$

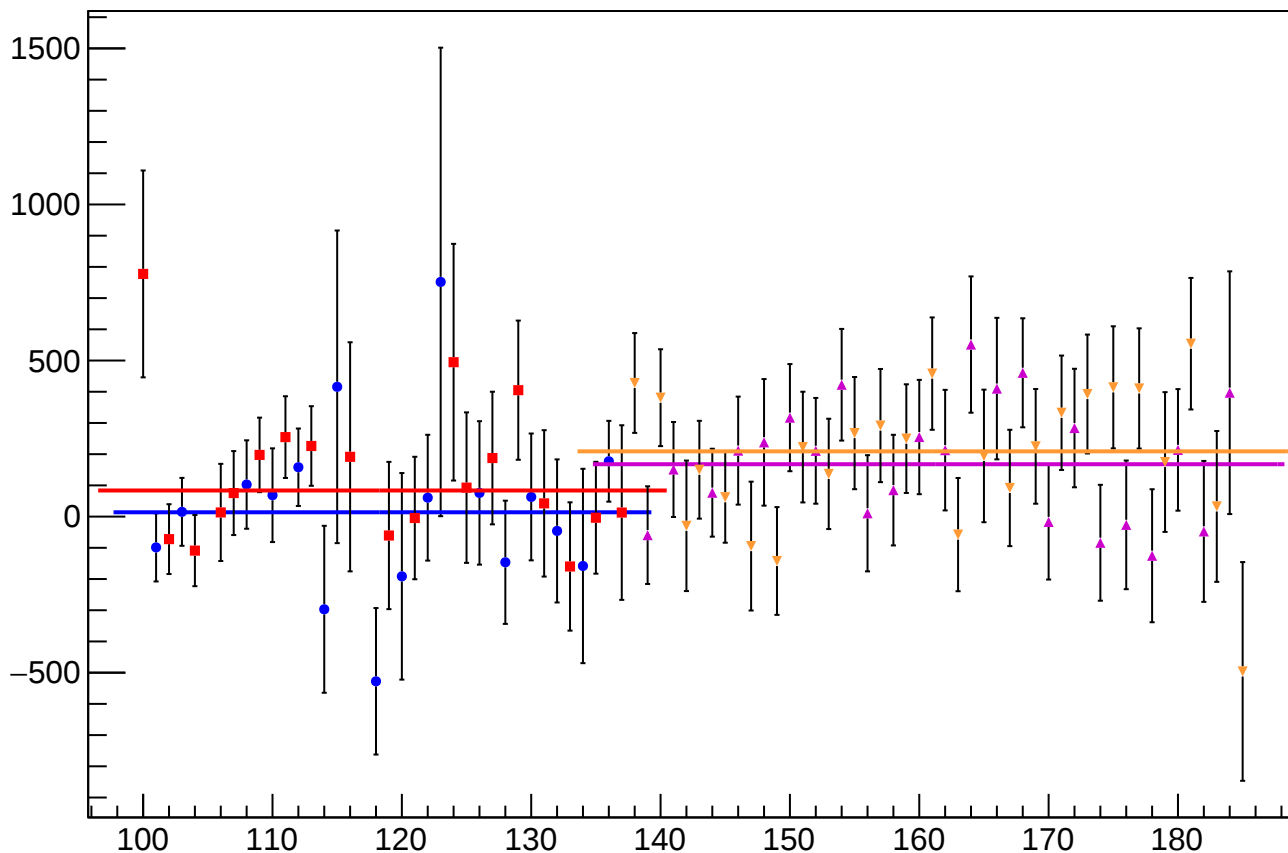
asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 2682.064 $\pm$ 4.232 χ^2 /NDF: 24157.5/3
 Left Out: 2014.059 $\pm$ 0.336 χ^2 /NDF:835637.2/24
 Right Out: 3410.484 $\pm$ 5.769 χ^2 /NDF: 916.8/2
 Left In: 2013.245 $\pm$ 0.345 χ^2 /NDF:662077.8/22

Left: 2013.662 $\pm$ 0.241 χ^2 /NDF: 1497717.9/47
 Right: 2936.880 $\pm$ 3.412 χ^2 /NDF: 35439.7/6
 In: 2017.654 $\pm$ 0.344 χ^2 /NDF:711050.8/26
 Out: 2018.784 $\pm$ 0.336 χ^2 /NDF:894945.7/27
 All: 2018.232 $\pm$ 0.240 χ^2 /NDF: 1606002.1/54

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 13.853+/-42.364 χ^2/NDF : 14.4/16

Left Out: 209.086+/-37.096 χ^2/NDF :27.8/24

Right Out: 83.643+/-39.037 χ^2/NDF : 19.2/18

Left In: 167.822+/-38.718 χ^2/NDF :21.1/22

Left: 189.336+/-26.786 χ^2/NDF : 49.5/47

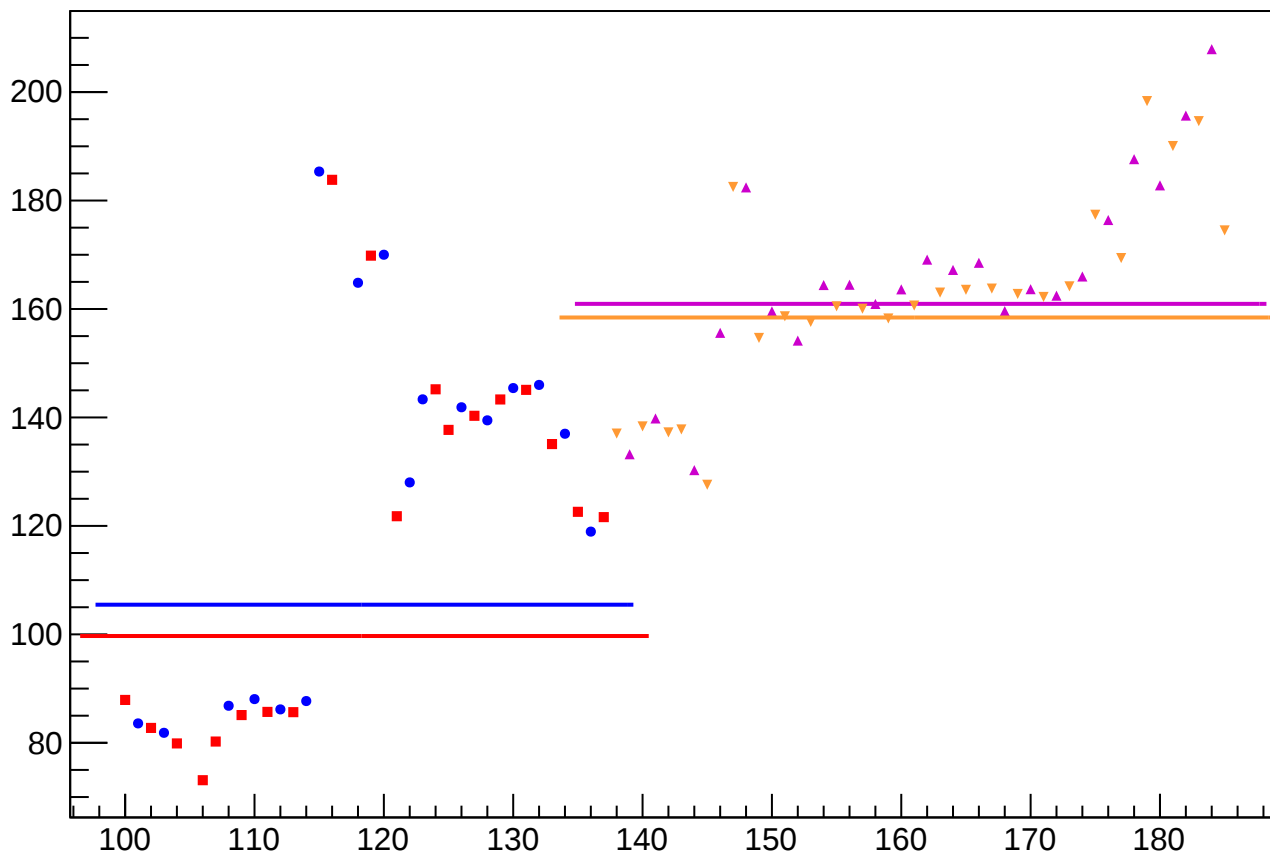
Right: 51.596+/-28.707 χ^2/NDF : 35.0/35

In: 97.747+/-28.580 χ^2/NDF :42.8/39

Out: 149.560+/-26.891 χ^2/NDF :52.3/43

All: 125.229+/-19.585 χ^2/NDF : 96.8/83

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.470 $\pm$ 0.030 χ^2 /NDF: 870293.2/16

Left Out: 158.434 $\pm$ 0.026 χ^2 /NDF: 433967.8/24

Right Out: 99.695 $\pm$ 0.028 χ^2 /NDF: 1000657.3/18

Left In: 160.947 $\pm$ 0.027 χ^2 /NDF: 379713.4/22

Left: 159.637 $\pm$ 0.019 χ^2 /NDF: 818074.0/47

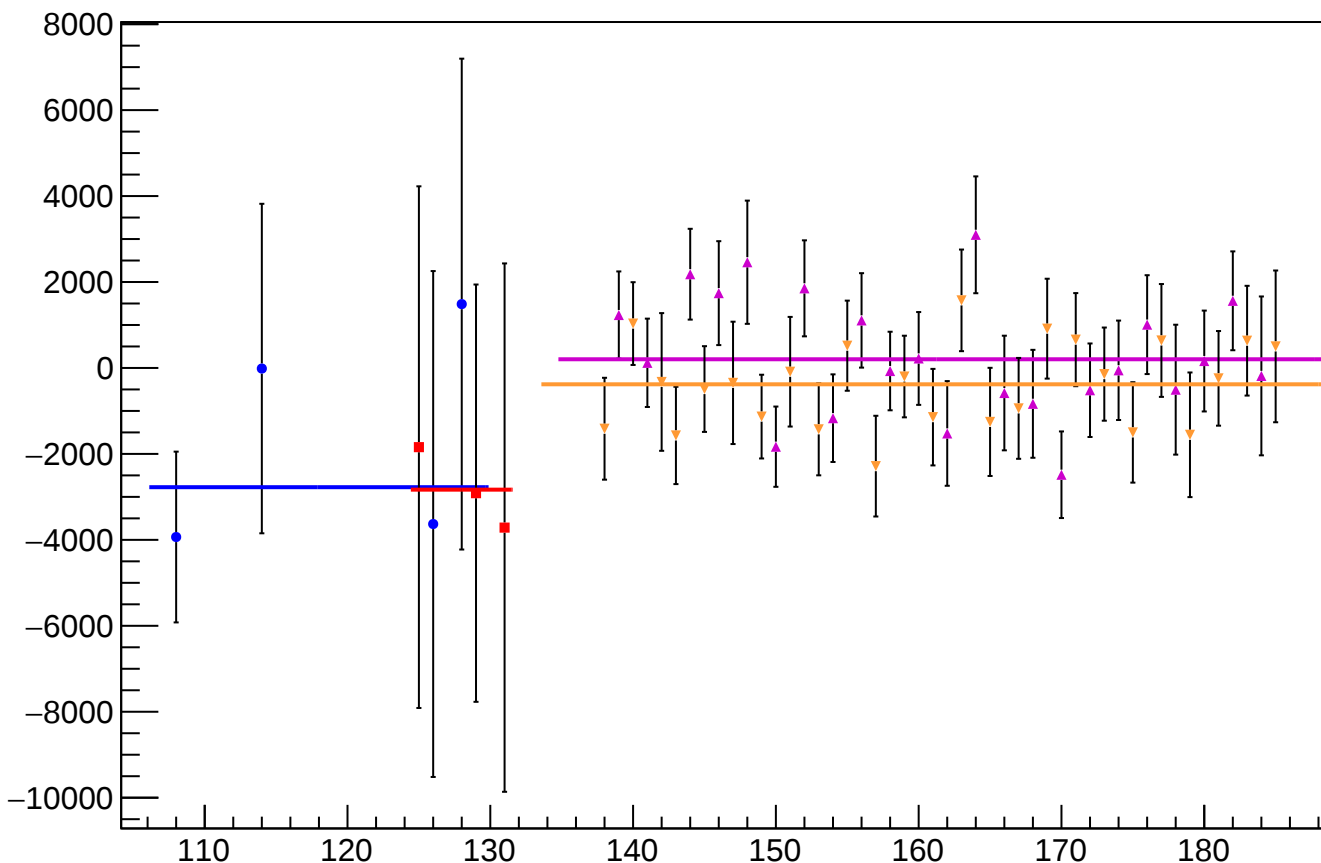
Right: 102.347 $\pm$ 0.020 χ^2 /NDF: 1891054.8/35

In: 135.698 $\pm$ 0.020 χ^2 /NDF: 3118806.7/39

Out: 130.560 $\pm$ 0.019 χ^2 /NDF: 3814144.3/43

All: 132.973 $\pm$ 0.014 χ^2 /NDF: 6967237.3/83

asym_sam5_correction_mean vs Slug, Sign Corrected



Right In: -2774.520 ± 1620.377 $\chi^2/\text{NDF}: 1.4/3$

Left Out: -380.185 ± 231.862 $\chi^2/\text{NDF}: 18.2/24$

Right Out: -2831.759 ± 3227.072 $\chi^2/\text{NDF}: 0.0/2$

Left In: 202.234 ± 237.460 $\chi^2/\text{NDF}: 35.5/22$

Left: -95.921 ± 165.895 $\chi^2/\text{NDF}: 56.8/47$

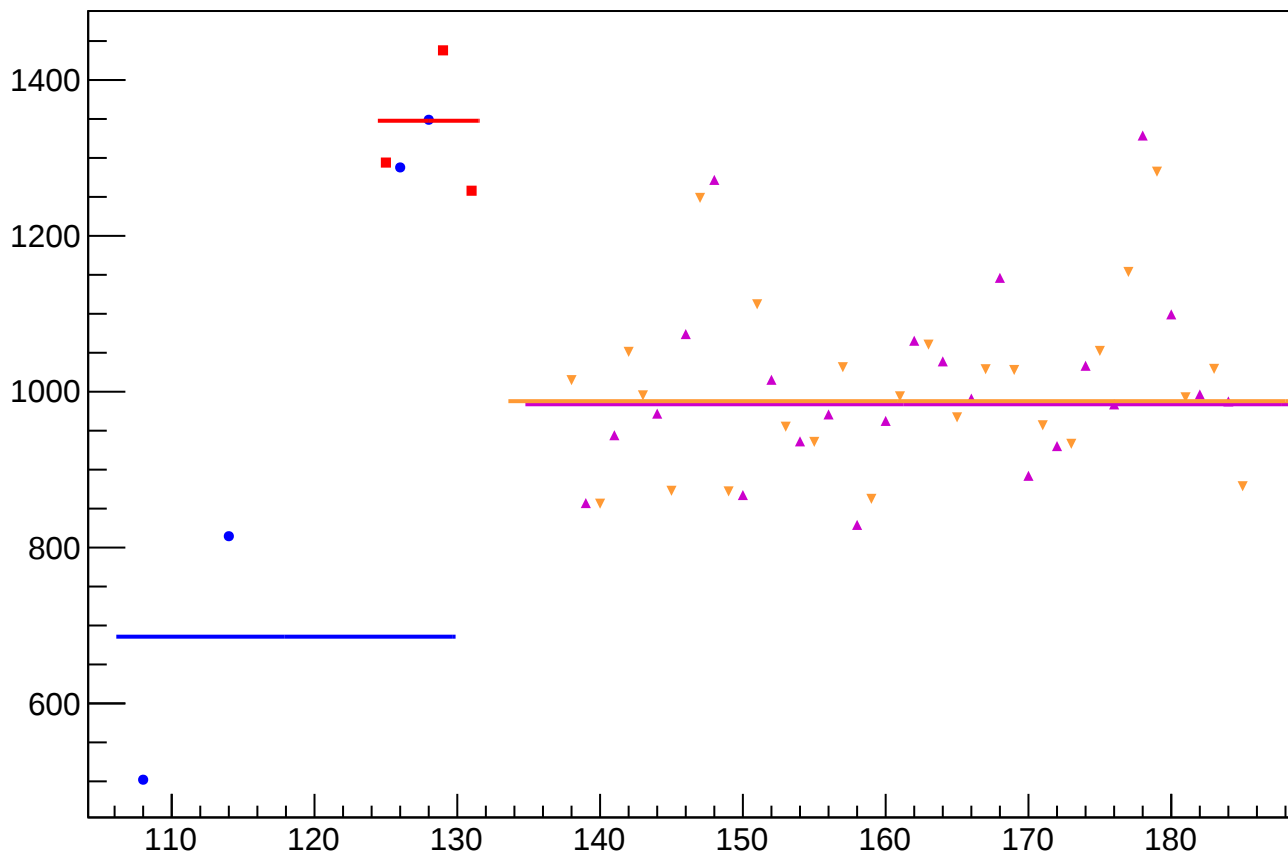
Right: -2786.046 ± 1448.080 $\chi^2/\text{NDF}: 1.5/6$

In: 139.650 ± 234.950 $\chi^2/\text{NDF}: 40.2/26$

Out: -392.775 ± 231.266 $\chi^2/\text{NDF}: 18.9/27$

All: -130.770 ± 164.817 $\chi^2/\text{NDF}: 61.7/54$

asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 685.658+/-1.146 χ^2/NDF : 67240.3/3

Left Out: 987.866+/-0.164 χ^2/NDF : 376964.1/24

Right Out: 1347.722+/-2.282 χ^2/NDF : 1275.5/2

Left In: 983.893+/-0.168 χ^2/NDF : 416265.7/22

Left: 985.927+/-0.117 χ^2/NDF : 793516.3/47

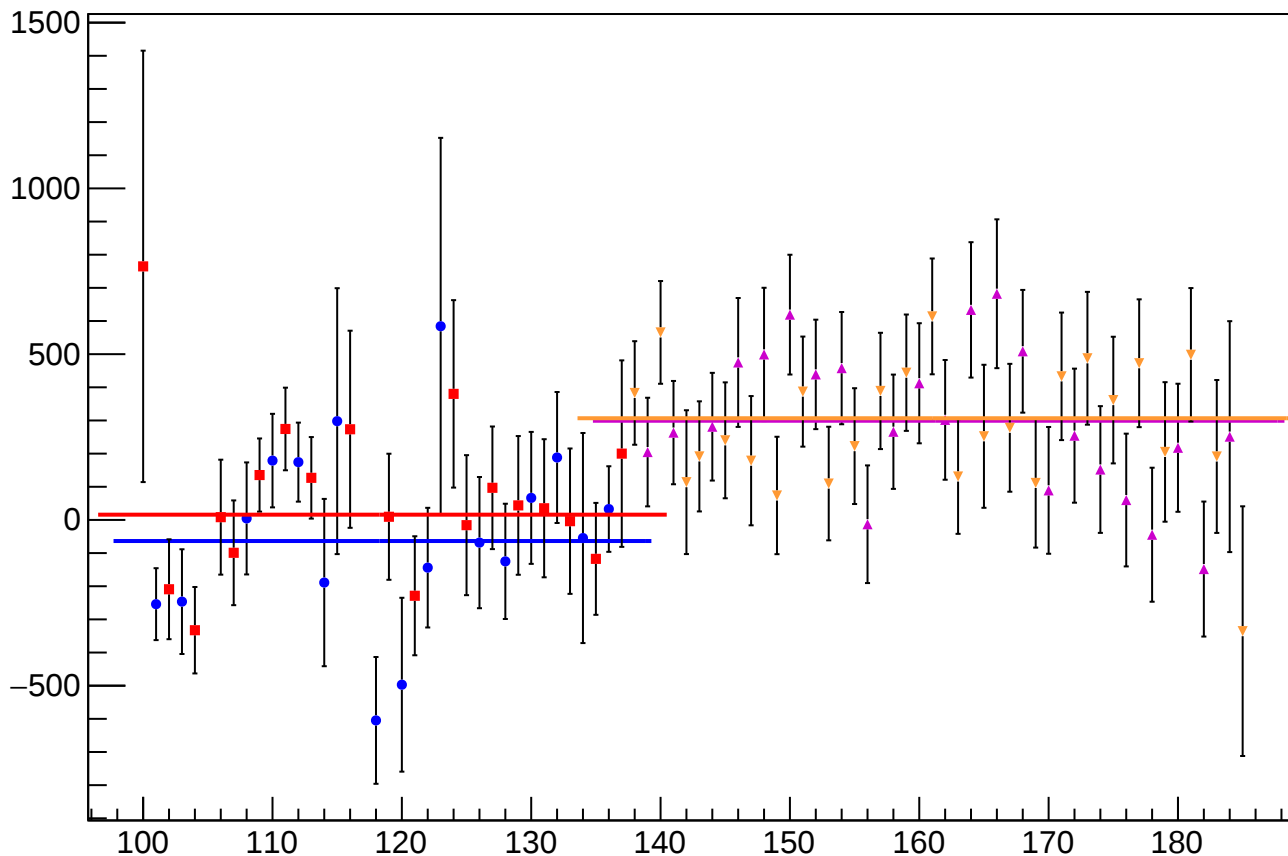
Right: 818.969+/-1.024 χ^2/NDF : 135746.2/6

In: 977.623+/-0.166 χ^2/NDF : 549832.8/26

Out: 989.714+/-0.164 χ^2/NDF : 402981.5/27

All: 983.764+/-0.117 χ^2/NDF : 955504.4/54

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -63.627 ± 42.336 χ^2/NDF : 27.6/16

Left Out: 306.727 ± 37.281 χ^2/NDF : 20.8/24

Right Out: 15.859 ± 39.532 χ^2/NDF : 23.1/18

Left In: 299.192 ± 39.009 χ^2/NDF : 28.5/22

Left: 303.130 ± 26.952 χ^2/NDF : 49.4/47

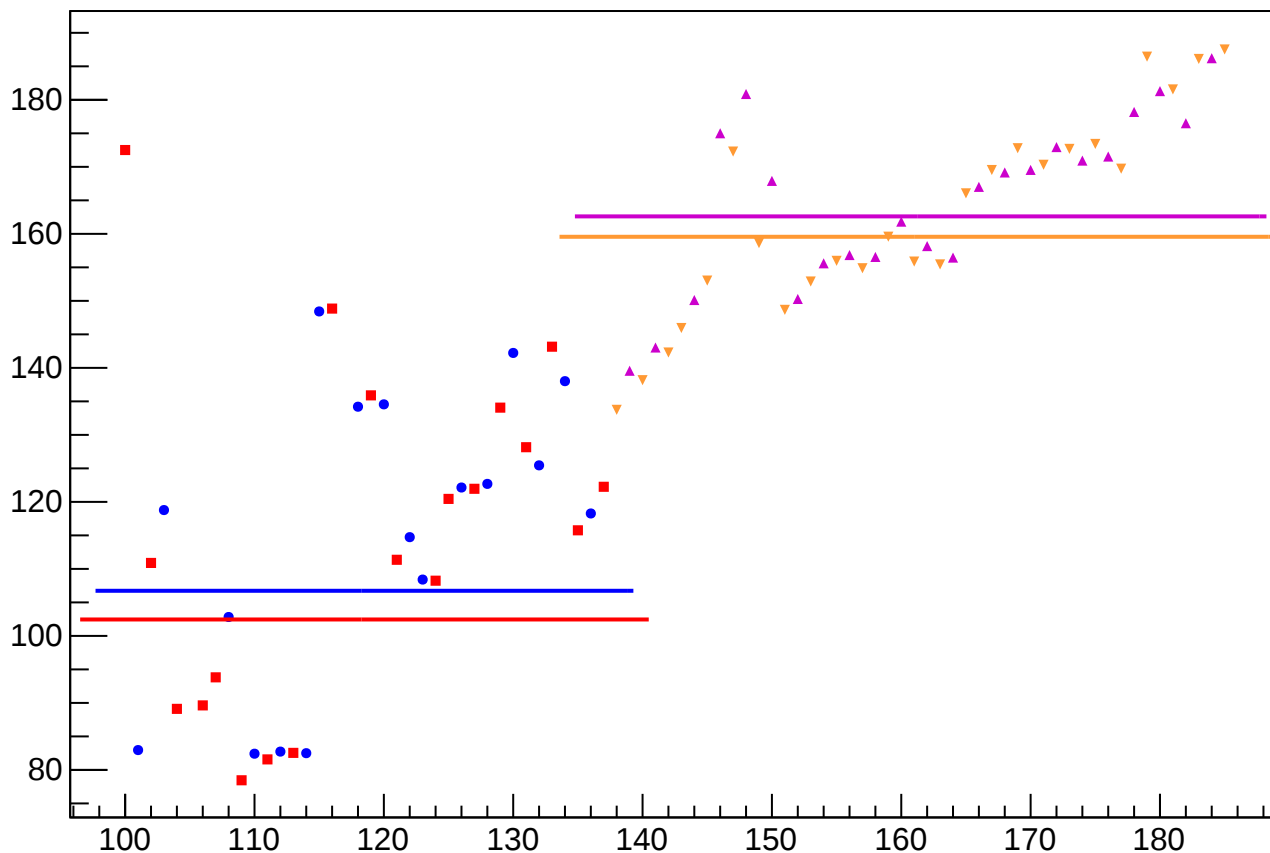
Right: -21.165 ± 28.894 χ^2/NDF : 52.5/35

In: 132.597 ± 28.688 χ^2/NDF : 95.8/39

Out: 169.808 ± 27.123 χ^2/NDF : 72.6/43

All: 152.246 ± 19.709 χ^2/NDF : 169.3/83

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.733 $\pm$ 0.030 χ^2 /NDF: 503149.3/16

Left Out: 159.564 $\pm$ 0.026 χ^2 /NDF:287568.7/24

Right Out: 102.452 $\pm$ 0.028 χ^2 /NDF: 591027.5/18

Left In: 162.606 $\pm$ 0.028 χ^2 /NDF:199542.3/22

Left: 161.016 $\pm$ 0.019 χ^2 /NDF: 493470.8/47

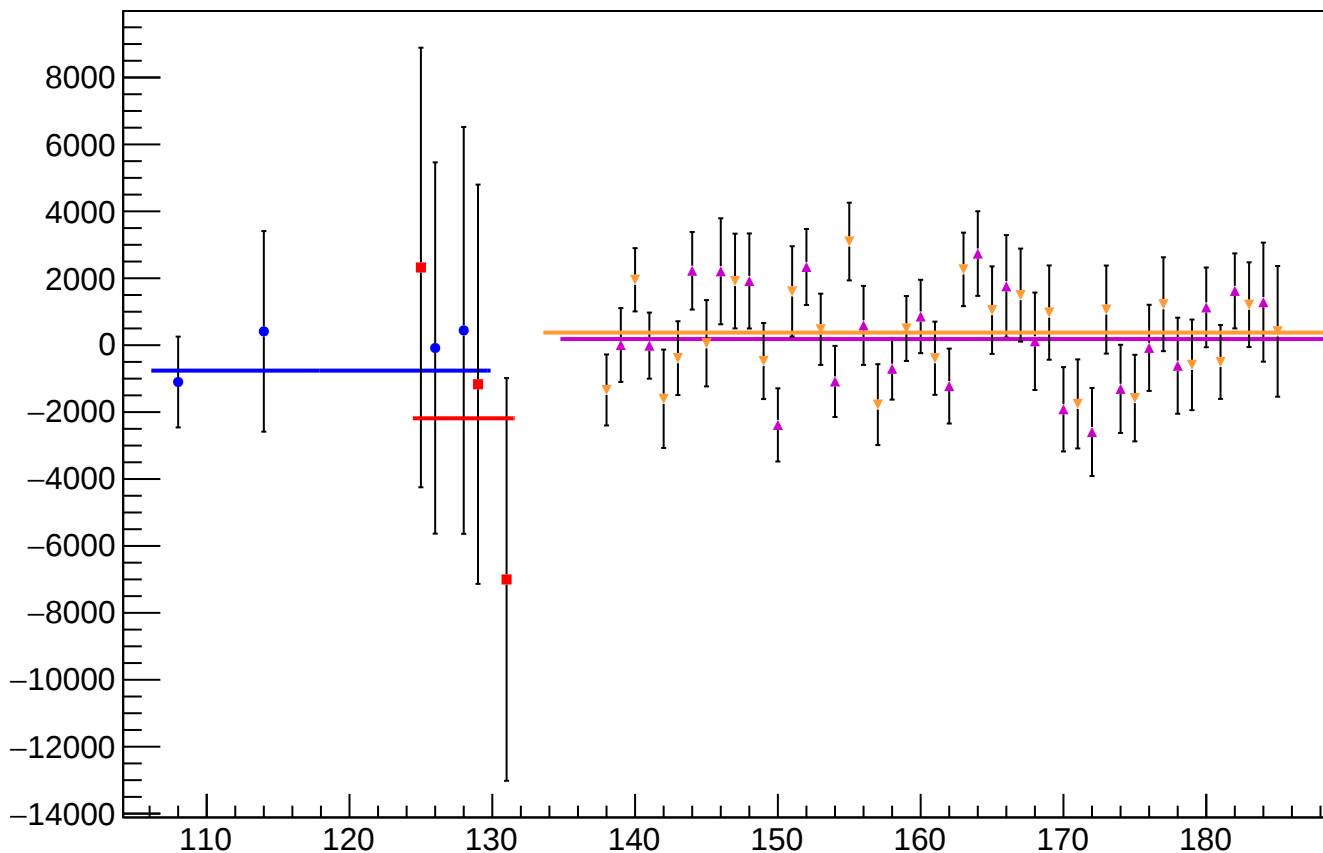
Right: 104.446 $\pm$ 0.020 χ^2 /NDF: 1105106.2/35

In: 136.951 $\pm$ 0.020 χ^2 /NDF:2586665.8/39

Out: 132.680 $\pm$ 0.019 χ^2 /NDF:3087993.1/43

All: 134.696 $\pm$ 0.014 χ^2 /NDF: 5698074.0/83

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: -760.095+/-1183.340 χ^2/NDF : 0.3/3

Left Out: 375.569+/-243.553 χ^2/NDF :30.6/24

Right Out: -2184.893+/-3560.609 χ^2/NDF : 1.1/2

Left In: 183.107+/-252.258 χ^2/NDF :36.5/22

Left: 282.716+/-175.215 χ^2/NDF : 67.4/47

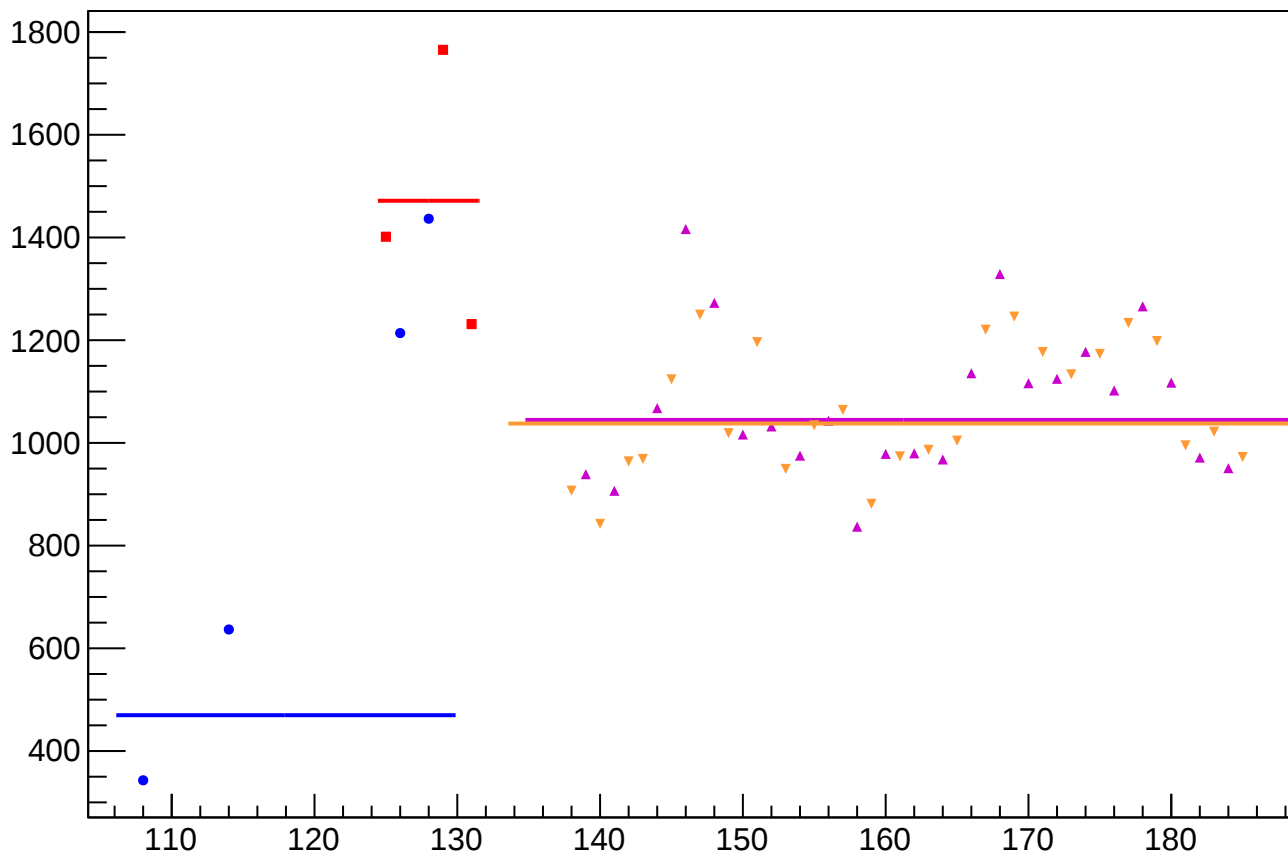
Right: -901.813+/-1122.948 χ^2/NDF : 1.6/6

In: 142.108+/-246.715 χ^2/NDF :37.4/26

Out: 363.645+/-242.985 χ^2/NDF :32.3/27

All: 254.563+/-173.120 χ^2/NDF : 70.0/54

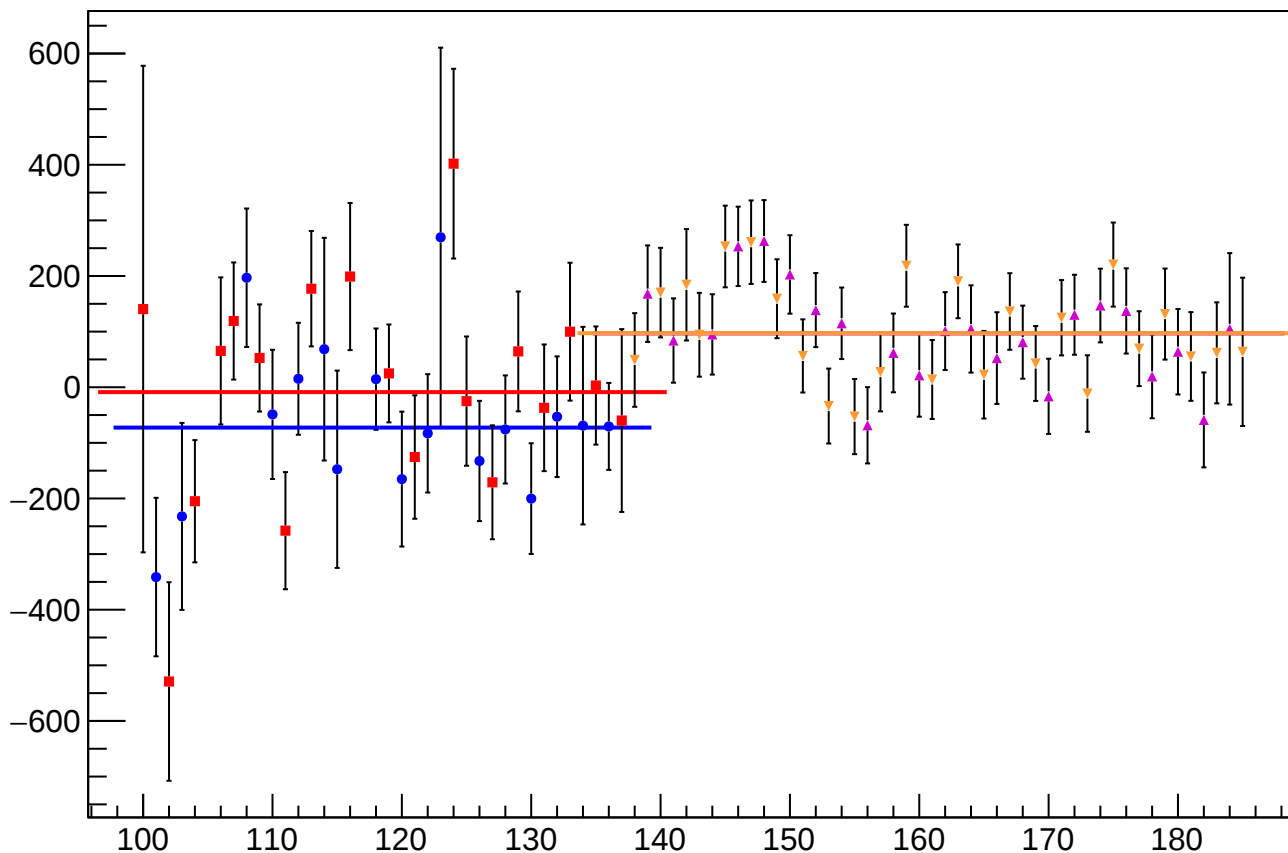
asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 469.775 $\pm$ 0.837 χ^2 /NDF: 110192.0/3
 Left Out: 1037.695 $\pm$ 0.172 χ^2 /NDF: 494977.7/24
 Right Out: 1471.512 $\pm$ 2.518 χ^2 /NDF: 8264.7/2
 Left In: 1044.746 $\pm$ 0.178 χ^2 /NDF: 543315.5/22

Left: 1041.097 $\pm$ 0.124 χ^2 /NDF: 1039101.9/47
 Right: 569.413 $\pm$ 0.794 χ^2 /NDF: 261013.9/6
 In: 1019.753 $\pm$ 0.174 χ^2 /NDF: 1105157.2/26
 Out: 1039.715 $\pm$ 0.172 χ^2 /NDF: 532793.1/27
 All: 1029.886 $\pm$ 0.122 χ^2 /NDF: 1644596.9/54

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -72.547 ± 28.434 χ^2/NDF : 15.1/16

Left Out: 97.144 ± 14.881 χ^2/NDF : 36.1/24

Right Out: -8.790 ± 26.889 χ^2/NDF : 36.2/18

Left In: 96.704 ± 15.369 χ^2/NDF : 29.2/22

Left: 96.931 ± 10.691 χ^2/NDF : 65.3/47

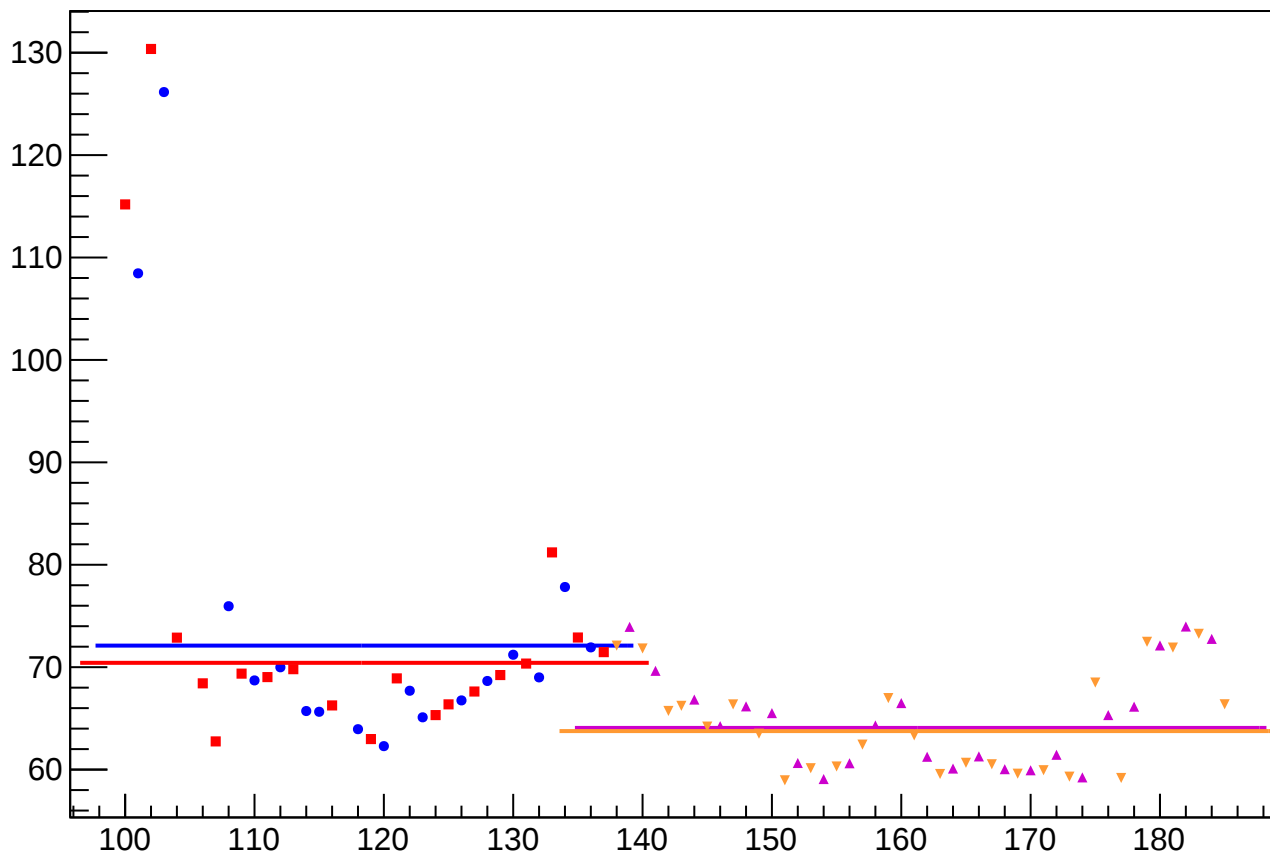
Right: -38.889 ± 19.537 χ^2/NDF : 54.0/35

In: 58.436 ± 13.521 χ^2/NDF : 71.8/39

Out: 72.306 ± 13.020 χ^2/NDF : 84.2/43

All: 65.632 ± 9.379 χ^2/NDF : 156.5/83

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.106 $\pm$ 0.020 χ^2 /NDF: 390789.8/16

Left Out: 63.760 $\pm$ 0.011 χ^2 /NDF: 192694.3/24

Right Out: 70.425 $\pm$ 0.019 χ^2 /NDF: 298038.7/18

Left In: 64.069 $\pm$ 0.011 χ^2 /NDF: 164660.4/22

Left: 63.909 $\pm$ 0.008 χ^2 /NDF: 357772.0/47

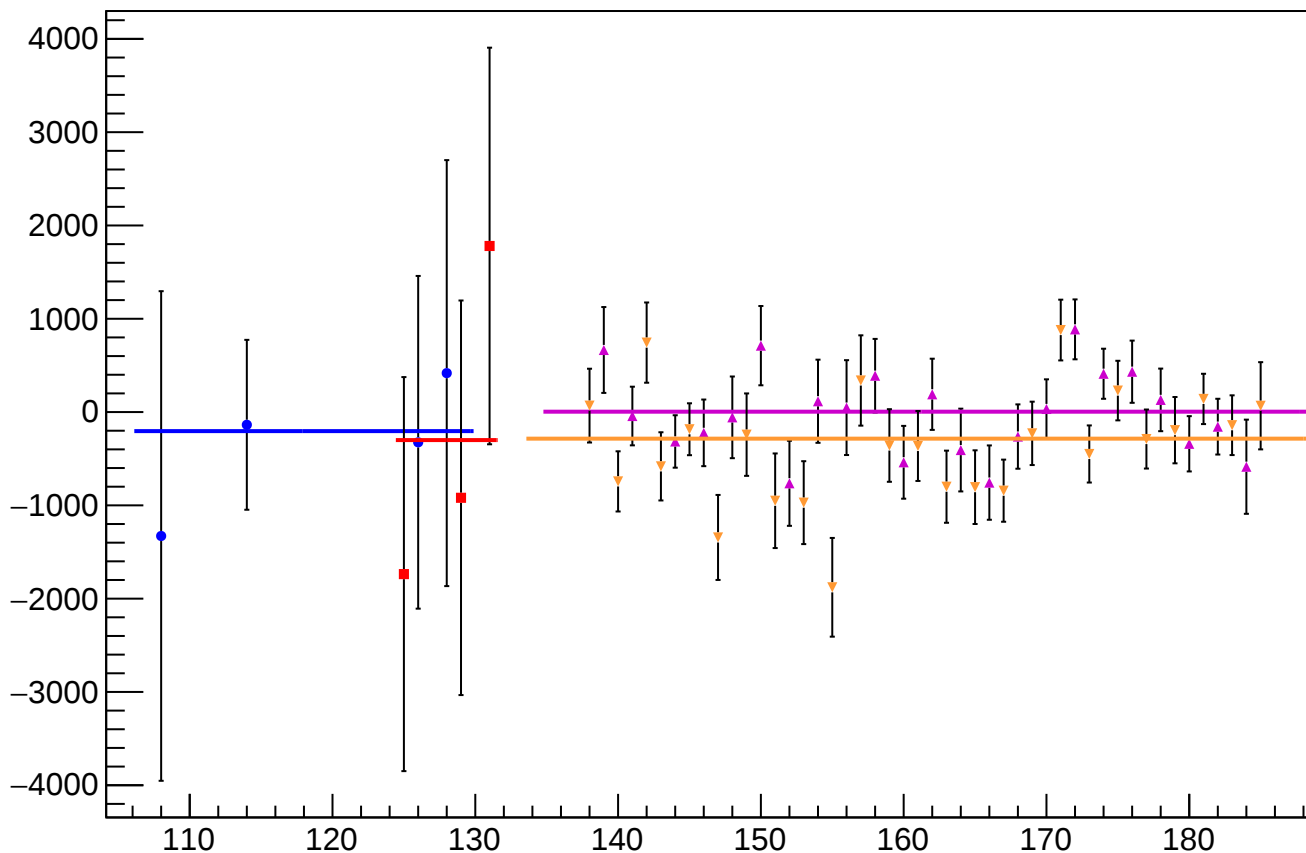
Right: 71.218 $\pm$ 0.014 χ^2 /NDF: 692521.7/35

In: 65.886 $\pm$ 0.010 χ^2 /NDF: 679127.5/39

Out: 65.322 $\pm$ 0.009 χ^2 /NDF: 584799.8/43

All: 65.593 $\pm$ 0.007 χ^2 /NDF: 1265730.5/83

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: -204.257 ± 733.668 $\chi^2/\text{NDF}: 0.3/3$

Left Out: -284.989 ± 72.742 $\chi^2/\text{NDF}: 55.0/24$

Right Out: -300.330 ± 1222.458 $\chi^2/\text{NDF}: 1.5/2$

Left In: 4.037 ± 75.084 $\chi^2/\text{NDF}: 32.4/22$

Left: -145.055 ± 52.245 $\chi^2/\text{NDF}: 95.0/47$

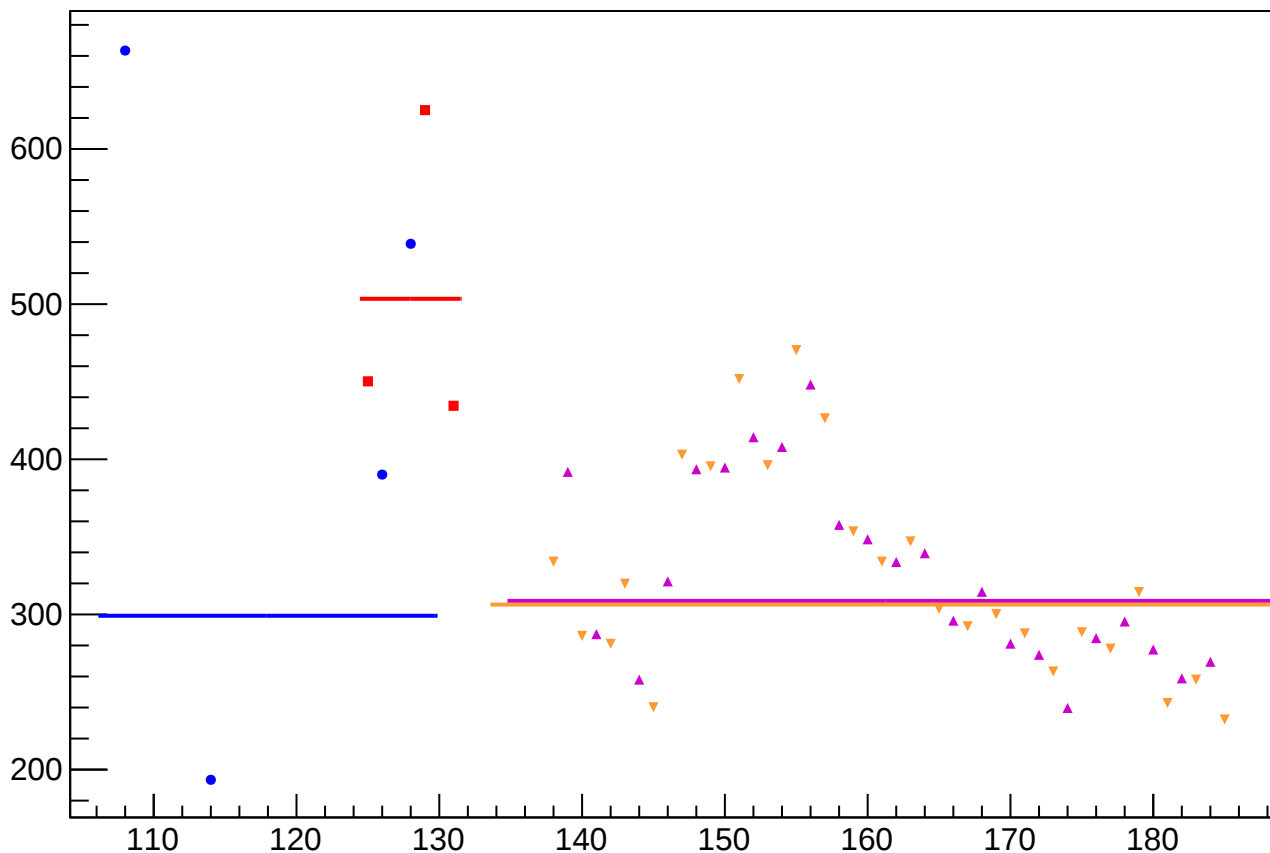
Right: -229.698 ± 629.071 $\chi^2/\text{NDF}: 1.8/6$

In: 1.878 ± 74.694 $\chi^2/\text{NDF}: 32.7/26$

Out: -285.043 ± 72.614 $\chi^2/\text{NDF}: 56.5/27$

All: -145.634 ± 52.066 $\chi^2/\text{NDF}: 96.8/54$

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 299.143 $\pm$ 0.519 χ^2 /NDF: 92782.9/3

Left Out: 306.363 $\pm$ 0.051 χ^2 /NDF:1215889.8/24

Right Out: 503.459 $\pm$ 0.864 χ^2 /NDF: 9987.6/2

Left In: 308.727 $\pm$ 0.053 χ^2 /NDF:1002947.4/22

Left: 307.507 $\pm$ 0.037 χ^2 /NDF: 2219859.4/47

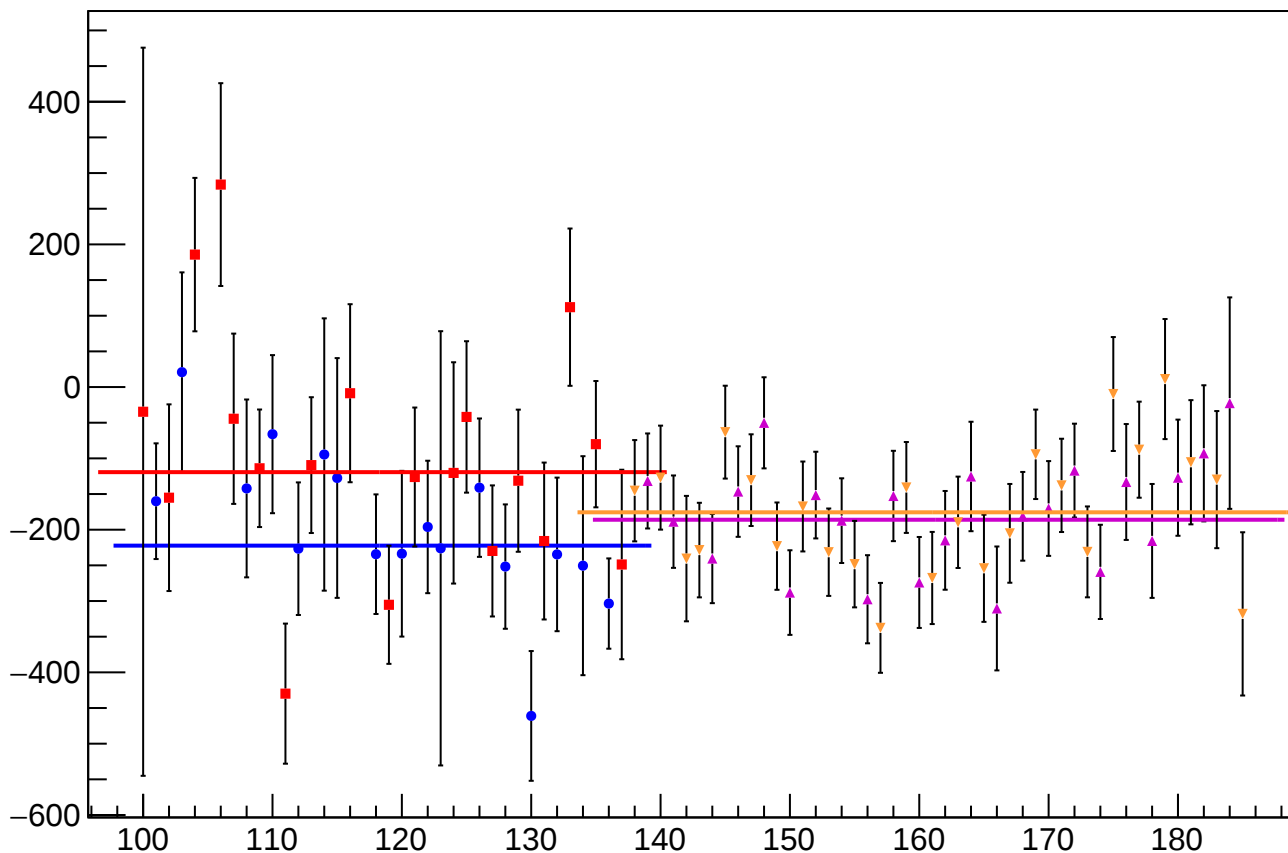
Right: 353.248 $\pm$ 0.445 χ^2 /NDF: 143844.4/6

In: 308.627 $\pm$ 0.053 χ^2 /NDF:1096068.1/26

Out: 307.059 $\pm$ 0.051 χ^2 /NDF:1277683.4/27

All: 307.821 $\pm$ 0.037 χ^2 /NDF: 2374205.0/54

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -222.347 ± 24.941 $\chi^2/\text{NDF}: 16.3/16$

Left Out: -175.618 ± 13.847 $\chi^2/\text{NDF}: 34.6/24$

Right Out: -119.313 ± 24.666 $\chi^2/\text{NDF}: 40.7/18$

Left In: -186.047 ± 14.315 $\chi^2/\text{NDF}: 23.6/22$

Left: -180.659 ± 9.953 $\chi^2/\text{NDF}: 58.4/47$

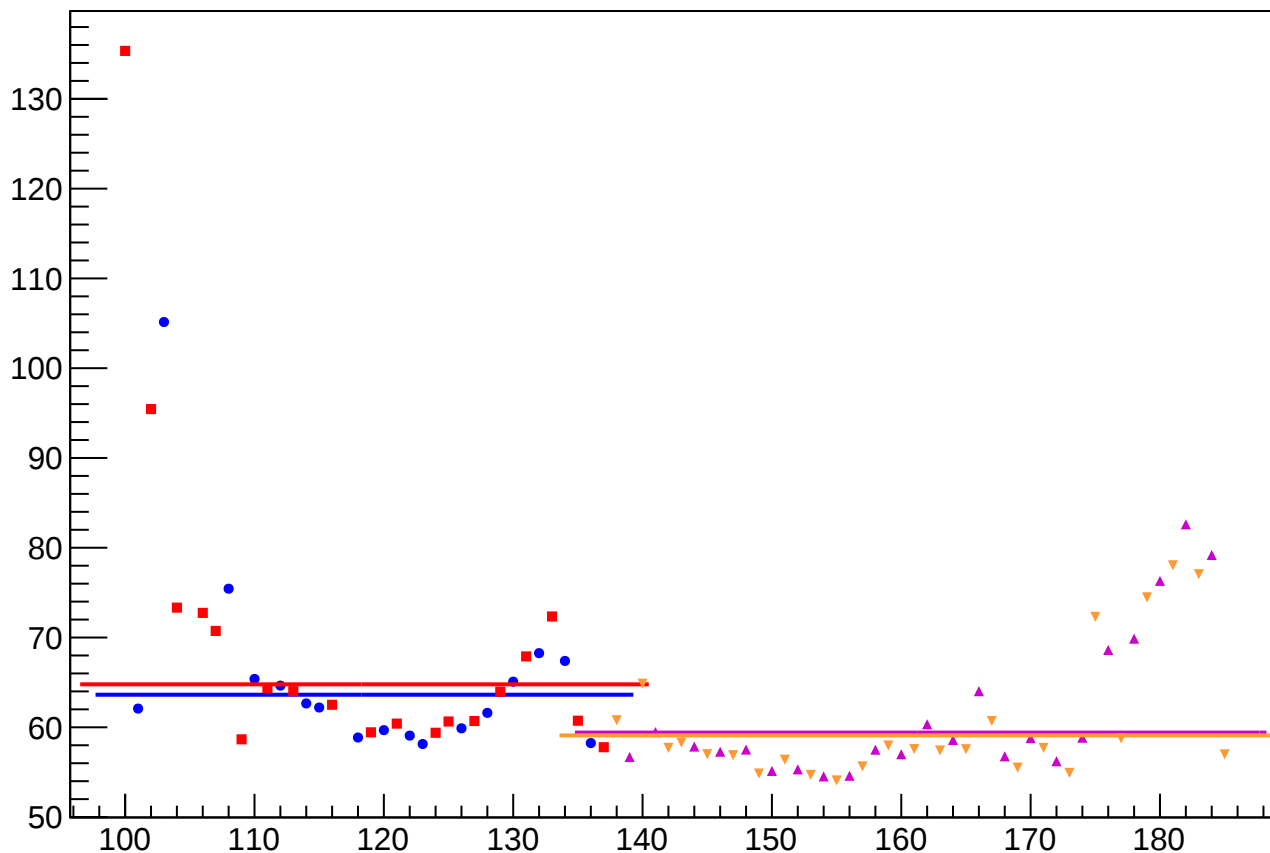
Right: -170.259 ± 17.538 $\chi^2/\text{NDF}: 65.7/35$

In: -195.043 ± 12.416 $\chi^2/\text{NDF}: 41.4/39$

Out: -162.126 ± 12.074 $\chi^2/\text{NDF}: 79.3/43$

All: -178.126 ± 8.656 $\chi^2/\text{NDF}: 124.3/83$

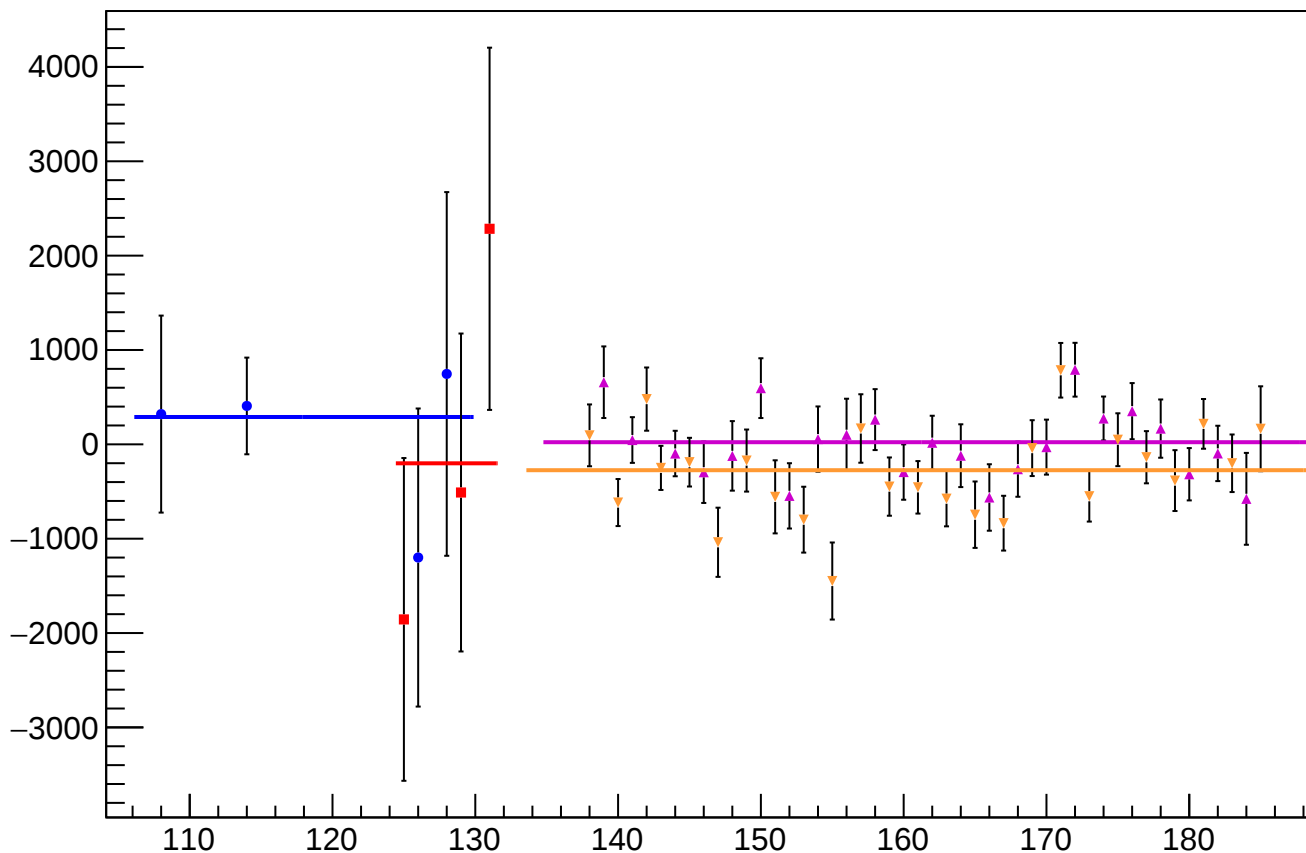
reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.629 $\pm$ 0.018 χ^2 /NDF: 233899.4/16
 Left Out: 59.098 $\pm$ 0.010 χ^2 /NDF: 369770.1/24
 Right Out: 64.787 $\pm$ 0.017 χ^2 /NDF: 226379.1/18
 Left In: 59.410 $\pm$ 0.010 χ^2 /NDF: 373052.7/22

Left: 59.249 $\pm$ 0.007 χ^2 /NDF: 743316.0/47
 Right: 64.214 $\pm$ 0.012 χ^2 /NDF: 462460.8/35
 In: 60.456 $\pm$ 0.009 χ^2 /NDF: 649987.1/39
 Out: 60.461 $\pm$ 0.009 χ^2 /NDF: 677068.6/43
 All: 60.458 $\pm$ 0.006 χ^2 /NDF: 1327055.9/83

asym_sam8_correction_mean vs Slug, Sign Corrected



Right In: 289.832 $\pm$ 430.437 χ^2 /NDF: 1.0/3

Left Out: -274.130 $\pm$ 60.805 χ^2 /NDF:53.9/24

Right Out: -201.085 $\pm$ 1017.740 χ^2 /NDF: 2.6/2

Left In: 22.631 $\pm$ 63.643 χ^2 /NDF:28.9/22

Left: -132.513 $\pm$ 43.965 χ^2 /NDF: 94.2/47

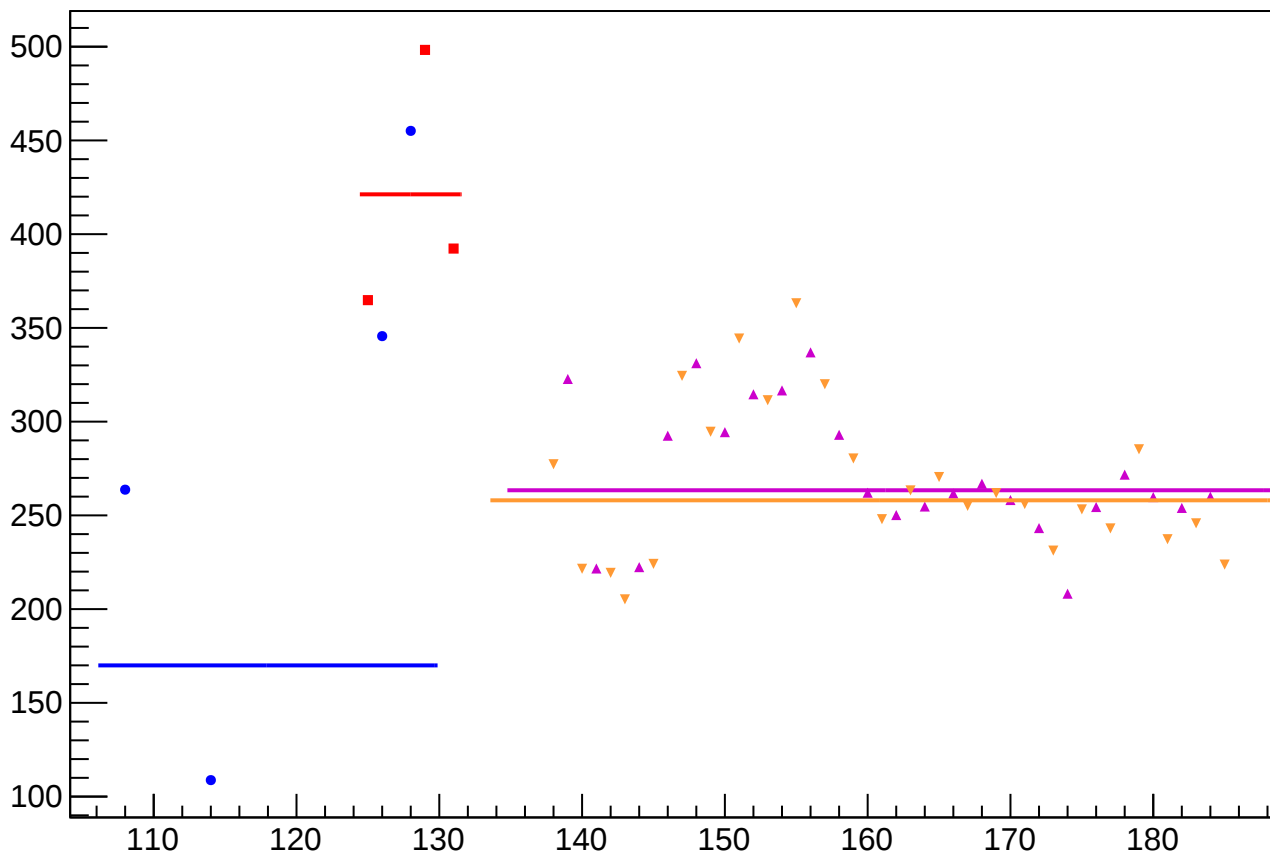
Right: 215.344 $\pm$ 396.439 χ^2 /NDF: 3.8/6

In: 28.347 $\pm$ 62.959 χ^2 /NDF:30.3/26

Out: -273.870 $\pm$ 60.697 χ^2 /NDF:56.6/27

All: -128.287 $\pm$ 43.697 χ^2 /NDF: 98.8/54

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 169.977 $\pm$ 0.304 χ^2 /NDF: 113149.8/3

Left Out: 258.034 $\pm$ 0.043 χ^2 /NDF: 724924.0/24

Right Out: 421.246 $\pm$ 0.720 χ^2 /NDF: 6812.8/2

Left In: 263.397 $\pm$ 0.045 χ^2 /NDF: 585600.2/22

Left: 260.593 $\pm$ 0.031 χ^2 /NDF: 1317948.6/47

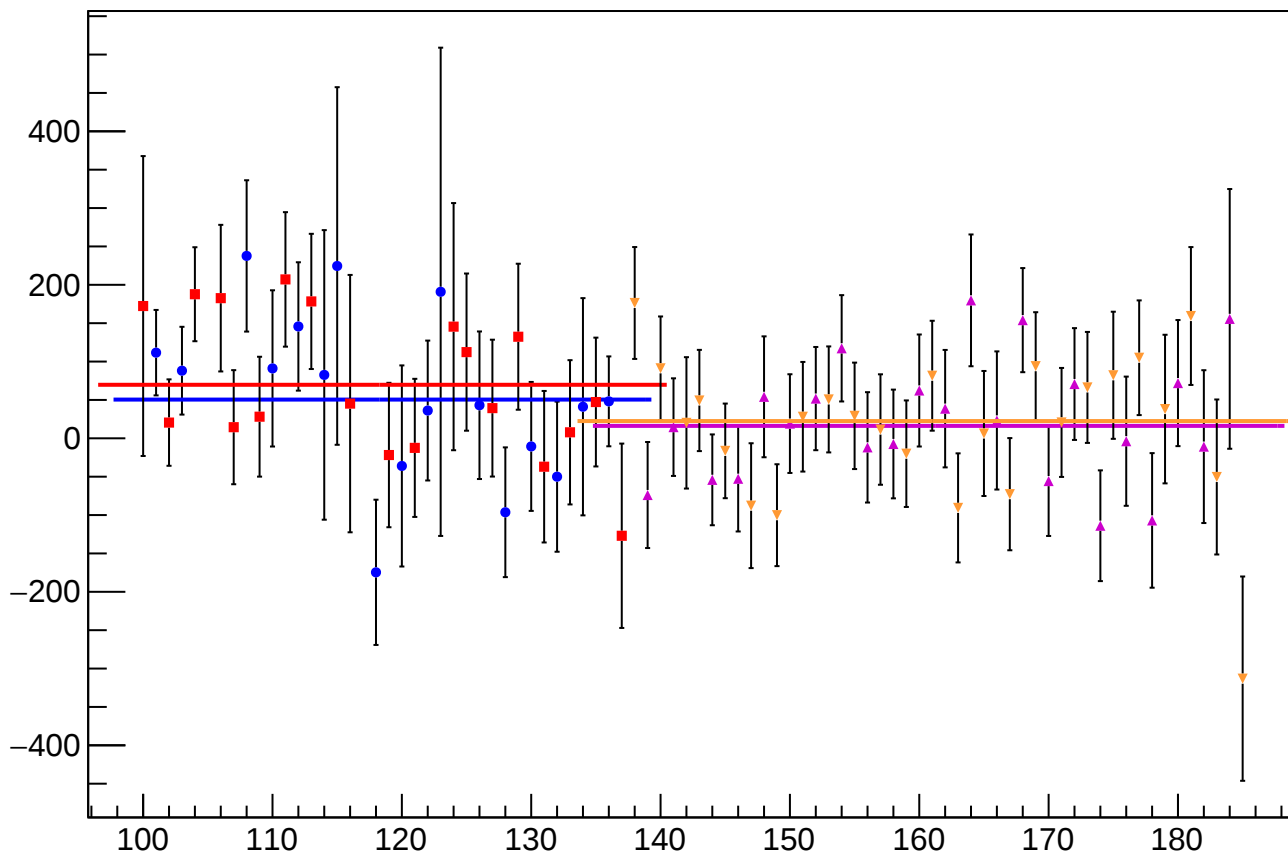
Right: 208.103 $\pm$ 0.280 χ^2 /NDF: 223373.2/6

In: 261.398 $\pm$ 0.045 χ^2 /NDF: 790942.2/26

Out: 258.614 $\pm$ 0.043 χ^2 /NDF: 782989.0/27

All: 259.955 $\pm$ 0.031 χ^2 /NDF: 1575957.7/54

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 50.467 $\pm$ 21.547 χ^2 /NDF: 18.2/16

Left Out: 22.473 $\pm$ 14.969 χ^2 /NDF:29.2/24

Right Out: 69.739 $\pm$ 20.448 χ^2 /NDF: 18.1/18

Left In: 16.198 $\pm$ 15.531 χ^2 /NDF:23.3/22

Left: 19.451 $\pm$ 10.778 χ^2 /NDF: 52.6/47

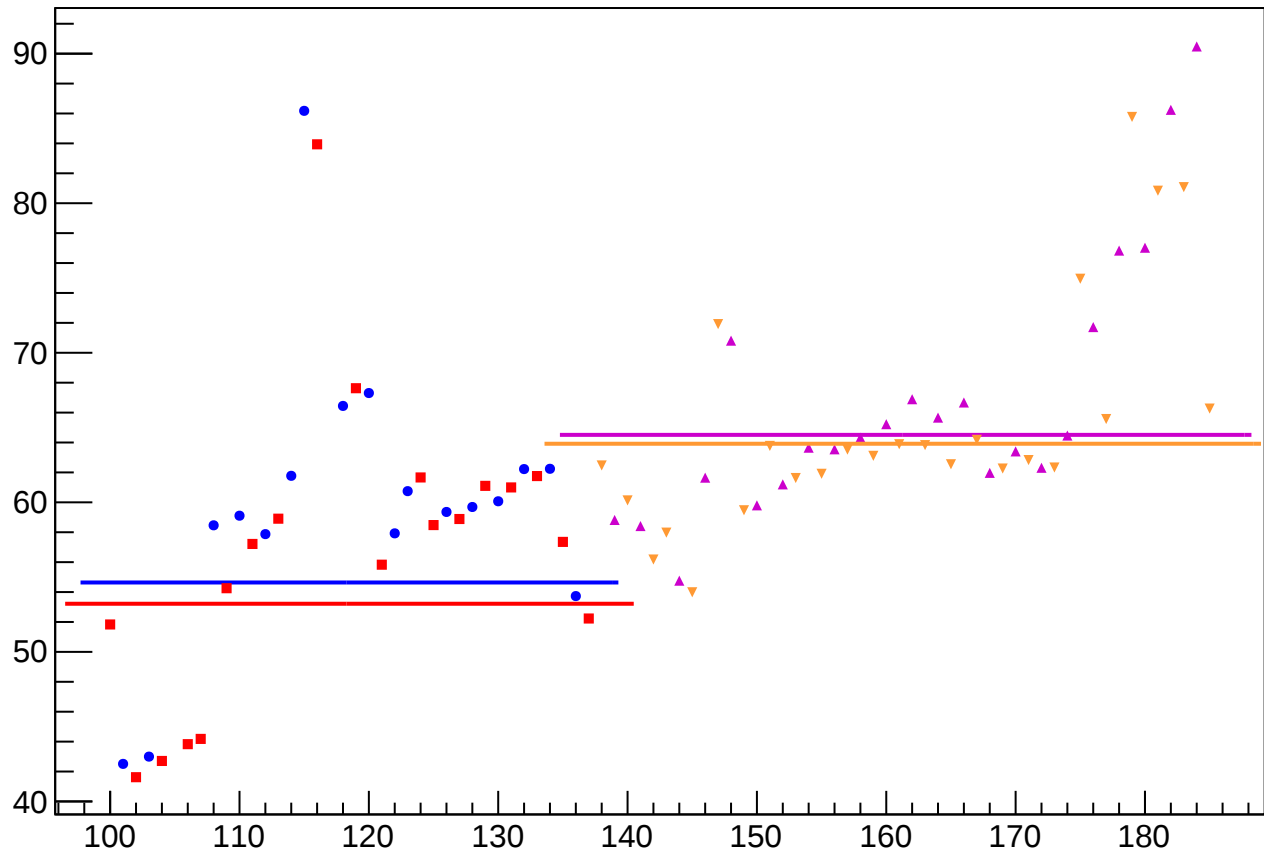
Right: 60.607 $\pm$ 14.832 χ^2 /NDF: 36.7/35

In: 27.915 $\pm$ 12.599 χ^2 /NDF:43.2/39

Out: 38.964 $\pm$ 12.078 χ^2 /NDF:50.8/43

All: 33.672 $\pm$ 8.719 χ^2 /NDF: 94.4/83

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.640 $\pm$ 0.015 χ^2 /NDF: 318989.1/16

Left Out: 63.917 $\pm$ 0.011 χ^2 /NDF: 395003.5/24

Right Out: 53.218 $\pm$ 0.014 χ^2 /NDF: 387904.0/18

Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

Left: 64.203 $\pm$ 0.008 χ^2 /NDF: 767033.3/47

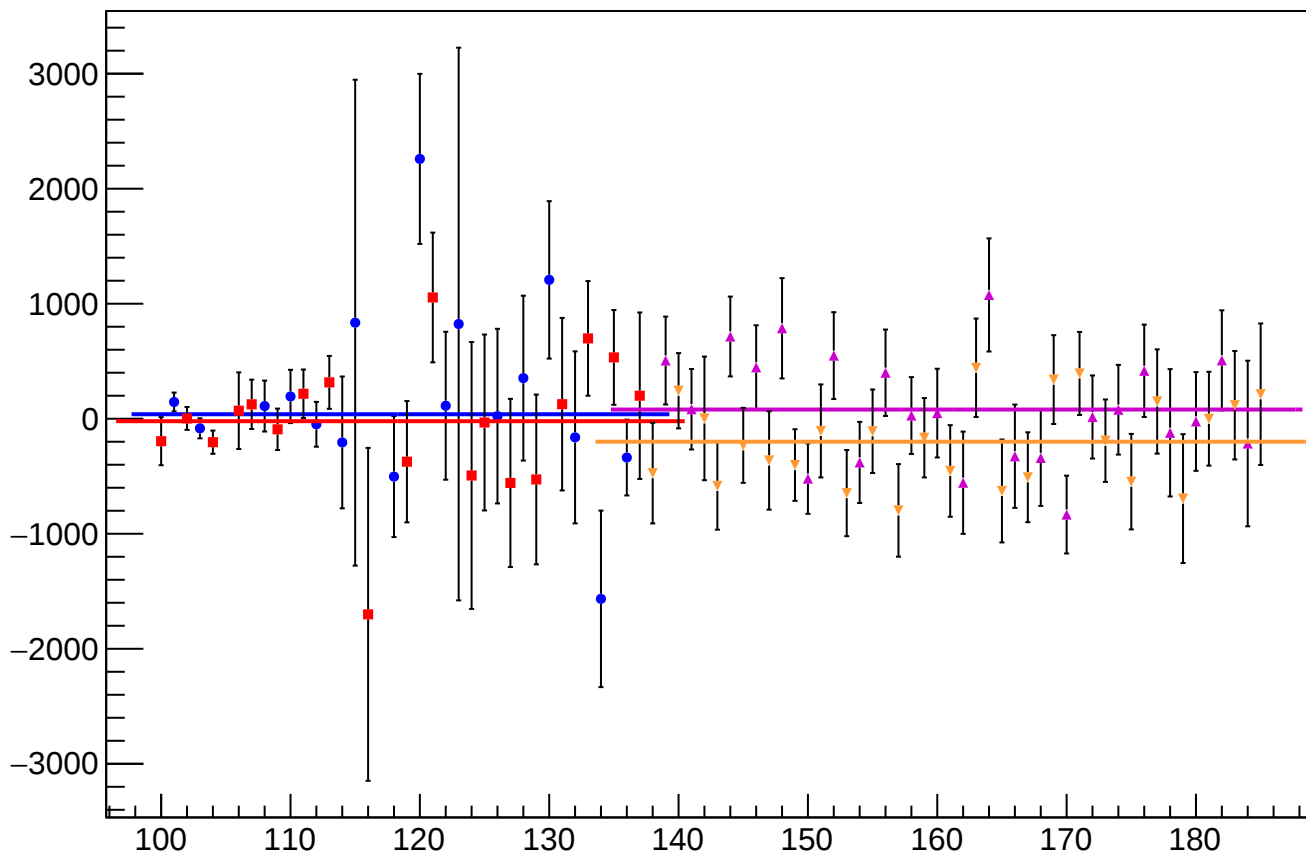
Right: 53.892 $\pm$ 0.010 χ^2 /NDF: 711474.8/35

In: 61.136 $\pm$ 0.009 χ^2 /NDF: 965704.8/39

Out: 60.184 $\pm$ 0.009 χ^2 /NDF: 1139378.6/43

All: 60.640 $\pm$ 0.006 χ^2 /NDF: 2111031.2/83

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 39.017 ± 51.561 $\chi^2/\text{NDF}: 23.8/16$

Left Out: -199.789 ± 79.556 $\chi^2/\text{NDF}: 19.8/24$

Right Out: -21.418 ± 53.288 $\chi^2/\text{NDF}: 18.8/18$

Left In: 79.985 ± 81.781 $\chi^2/\text{NDF}: 33.4/22$

Left: -63.759 ± 57.025 $\chi^2/\text{NDF}: 59.2/47$

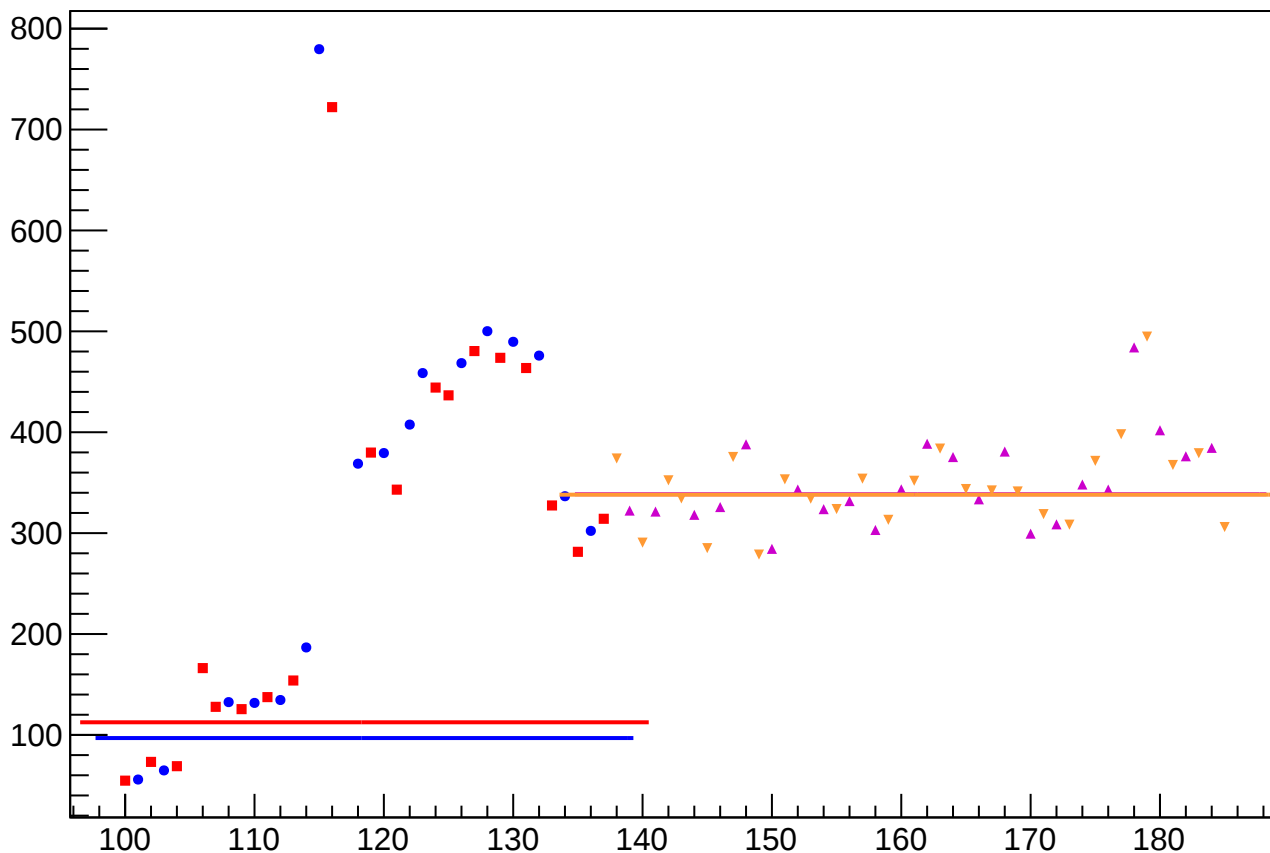
Right: 9.794 ± 37.055 $\chi^2/\text{NDF}: 43.3/35$

In: 50.669 ± 43.616 $\chi^2/\text{NDF}: 57.4/39$

Out: -76.661 ± 44.274 $\chi^2/\text{NDF}: 42.1/43$

All: -12.043 ± 31.071 $\chi^2/\text{NDF}: 103.6/83$

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 96.900+/-0.036 χ^2/NDF : 5800378.0/16

Left Out: 338.119+/-0.056 χ^2/NDF : 498437.3/24

Right Out: 112.520+/-0.038 χ^2/NDF : 5015761.7/18

Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

Left: 338.336+/-0.040 χ^2/NDF : 935710.7/47

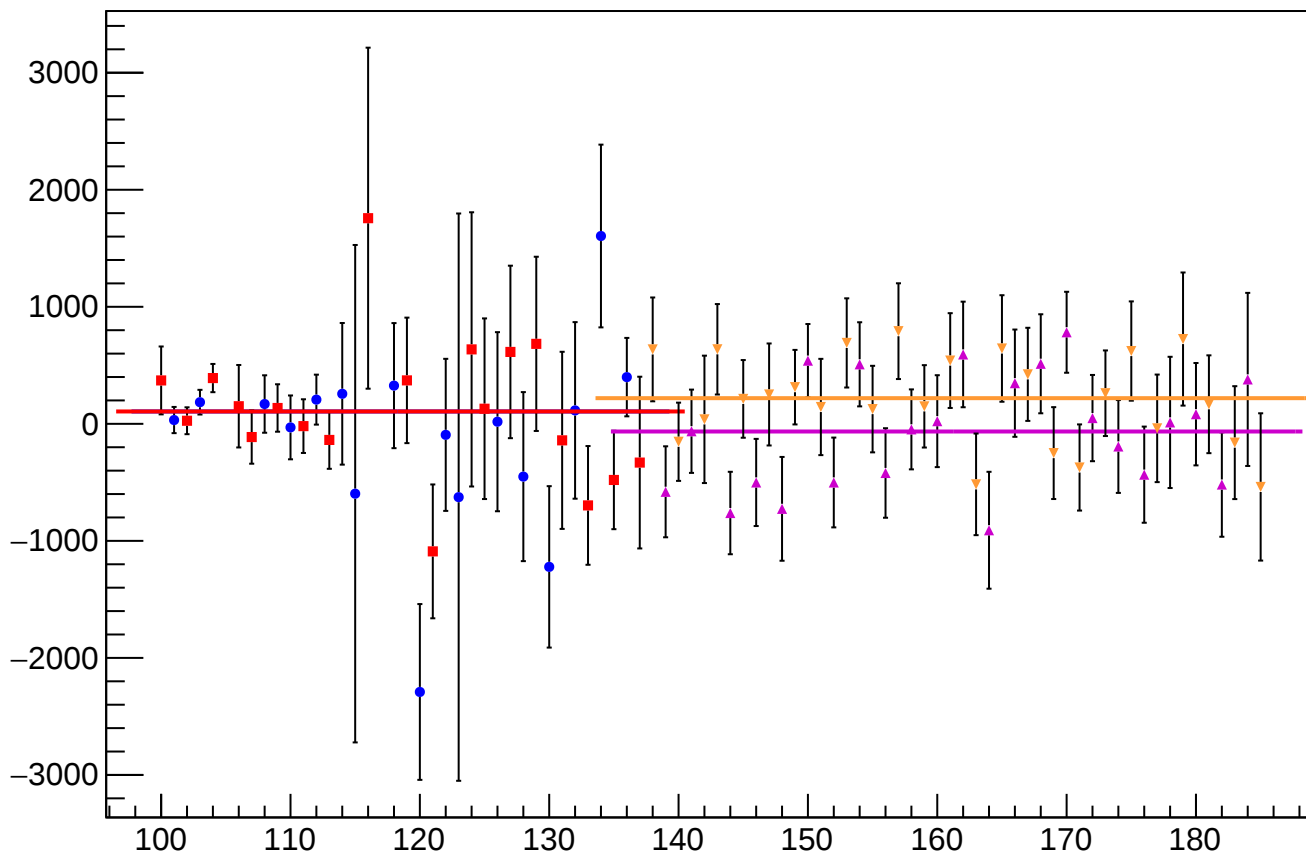
Right: 104.452+/-0.026 χ^2/NDF : 10904891.1/35

In: 165.638+/-0.031 χ^2/NDF : 18734362.6/39

Out: 182.389+/-0.031 χ^2/NDF : 16615996.6/43

All: 173.888+/-0.022 χ^2/NDF : 35495651.4/83

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 105.662 $\pm$ 63.187 χ^2/NDF : 21.0/16

Left Out: 219.319 $\pm$ 81.026 χ^2/NDF : 19.9/24

Right Out: 105.735 $\pm$ 60.878 χ^2/NDF : 21.2/18

Left In: -65.510 $\pm$ 83.319 χ^2/NDF : 34.0/22

Left: 80.878 $\pm$ 58.088 χ^2/NDF : 59.9/47

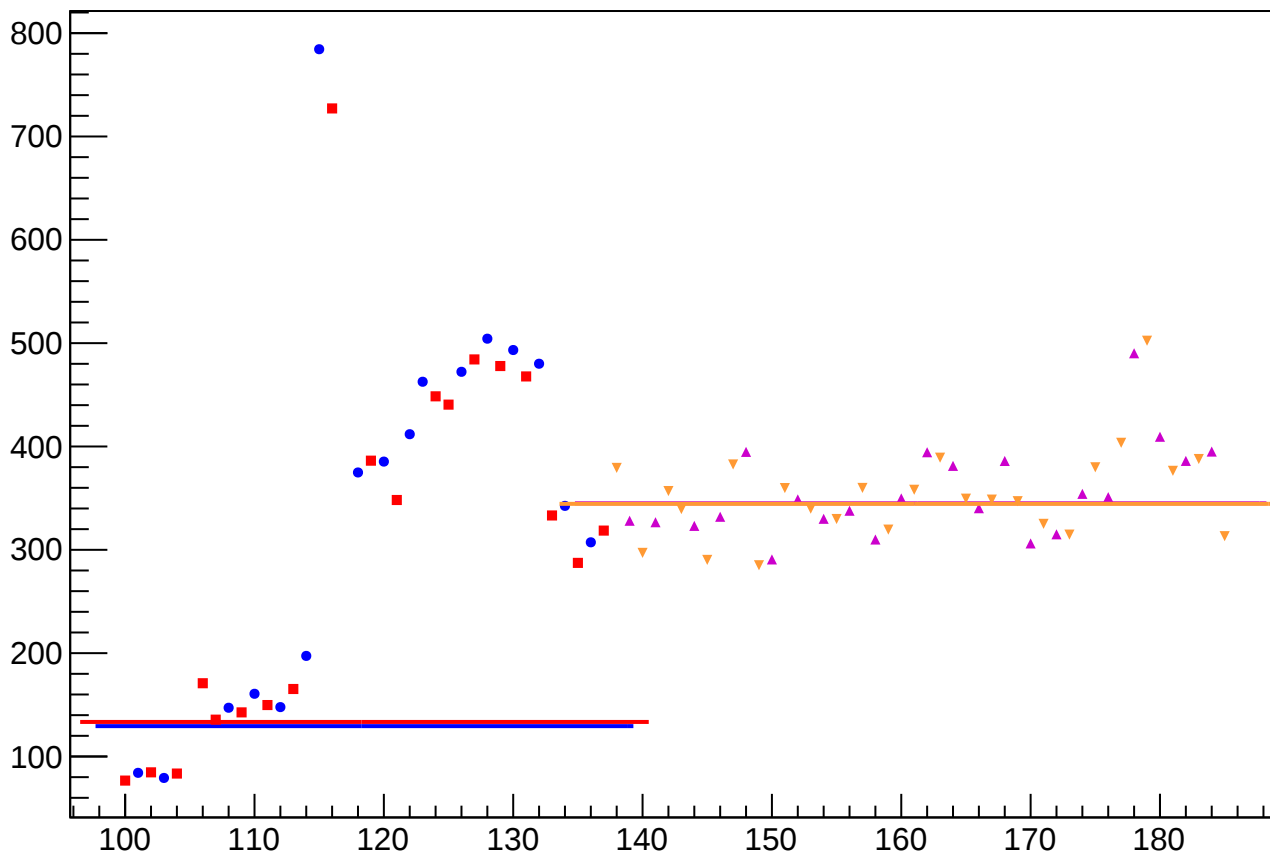
Right: 105.700 $\pm$ 43.841 χ^2/NDF : 42.2/35

In: 43.161 $\pm$ 50.346 χ^2/NDF : 57.7/39

Out: 146.718 $\pm$ 48.671 χ^2/NDF : 42.4/43

All: 96.692 $\pm$ 34.993 χ^2/NDF : 102.2/83

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.376+/-0.045 χ^2/NDF : 4758533.8/16

Left Out: 344.495+/-0.057 χ^2/NDF : 488153.2/24

Right Out: 133.433+/-0.043 χ^2/NDF : 4349255.7/18

Left In: 345.039+/-0.059 χ^2/NDF : 427381.3/22

Left: 344.760+/-0.041 χ^2/NDF : 915578.3/47

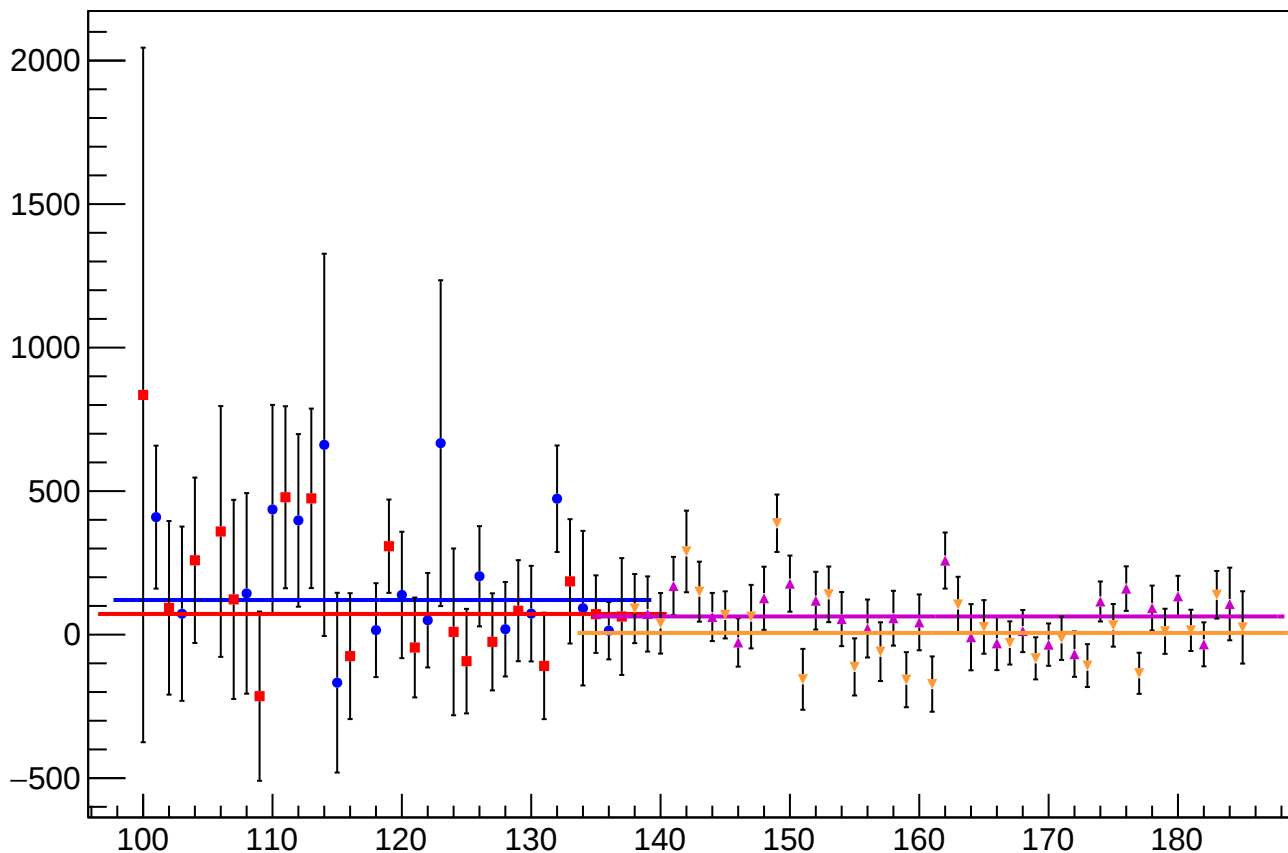
Right: 131.480+/-0.031 χ^2/NDF : 9112065.6/35

In: 208.122+/-0.036 χ^2/NDF : 13692940.9/39

Out: 209.588+/-0.034 χ^2/NDF : 13511497.4/43

All: 208.880+/-0.025 χ^2/NDF : 27205315.6/83

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 120.594 $\pm$ 49.201 χ^2 /NDF: 11.5/16

Left Out: 6.023 $\pm$ 17.912 χ^2 /NDF:46.0/24

Right Out: 72.023 $\pm$ 50.051 χ^2 /NDF: 11.0/18

Left In: 63.279 $\pm$ 18.447 χ^2 /NDF:19.8/22

Left: 33.810 $\pm$ 12.851 χ^2 /NDF: 70.8/47

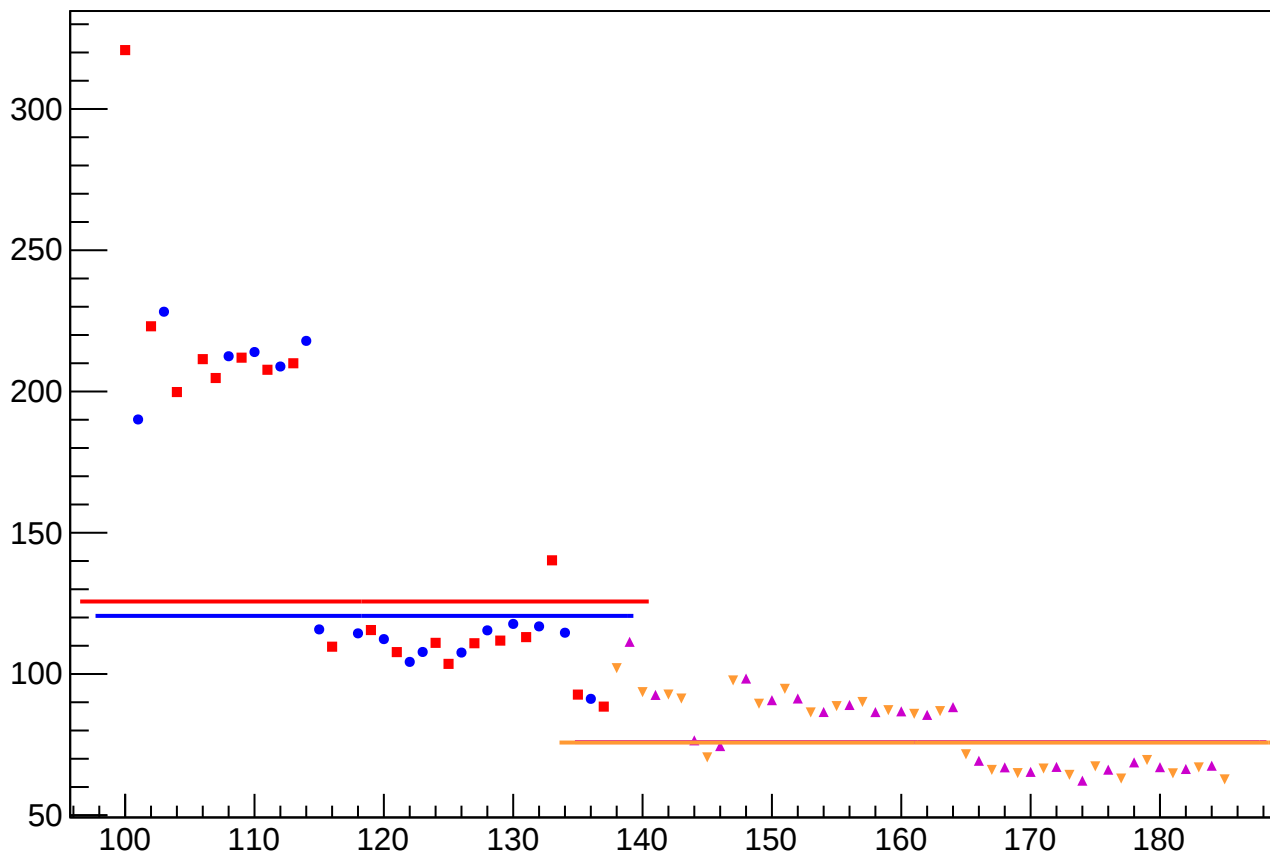
Right: 96.725 $\pm$ 35.087 χ^2 /NDF: 22.9/35

In: 70.343 $\pm$ 17.272 χ^2 /NDF:32.5/39

Out: 13.516 $\pm$ 16.865 χ^2 /NDF:58.5/43

All: 41.251 $\pm$ 12.067 χ^2 /NDF: 96.6/83

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.576 $\pm$ 0.035 χ^2 /NDF: 1107352.4/16

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF: 937899.0/24

Right Out: 125.666 $\pm$ 0.035 χ^2 /NDF: 1329602.0/18

Left In: 75.909 $\pm$ 0.013 χ^2 /NDF: 831366.4/22

Left: 75.824 $\pm$ 0.009 χ^2 /NDF: 1769349.1/47

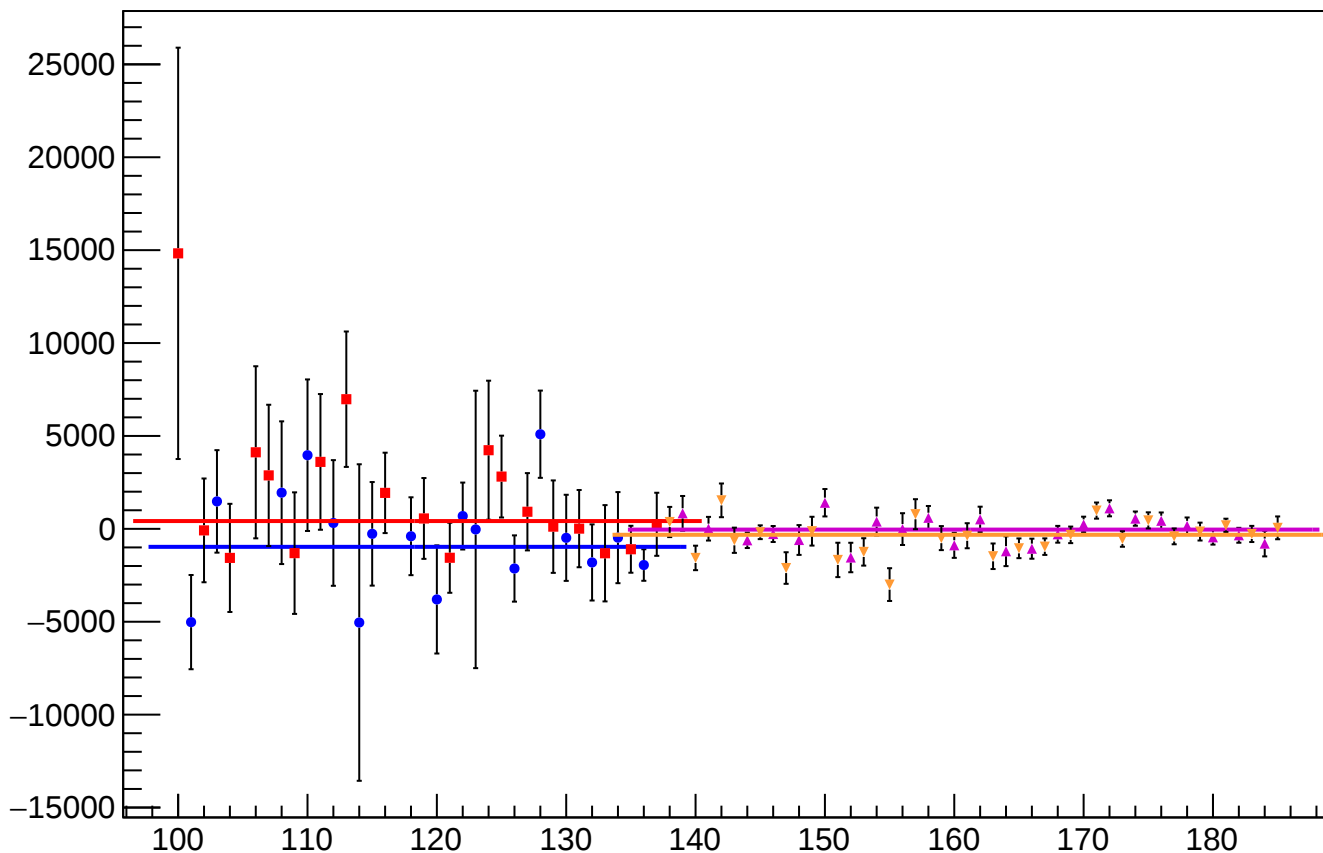
Right: 123.077 $\pm$ 0.025 χ^2 /NDF: 2447473.4/35

In: 81.414 $\pm$ 0.012 χ^2 /NDF: 3383929.5/39

Out: 81.411 $\pm$ 0.012 χ^2 /NDF: 4031352.2/43

All: 81.413 $\pm$ 0.009 χ^2 /NDF: 7415281.7/83

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -968.648+/-513.413 χ^2/NDF : 16.4/16

Left Out: -319.831+/-108.029 χ^2/NDF : 50.0/24

Right Out: 419.047+/-546.790 χ^2/NDF : 13.3/18

Left In: -40.473+/-110.252 χ^2/NDF : 34.7/22

Left: -182.996+/-77.162 χ^2/NDF : 88.0/47

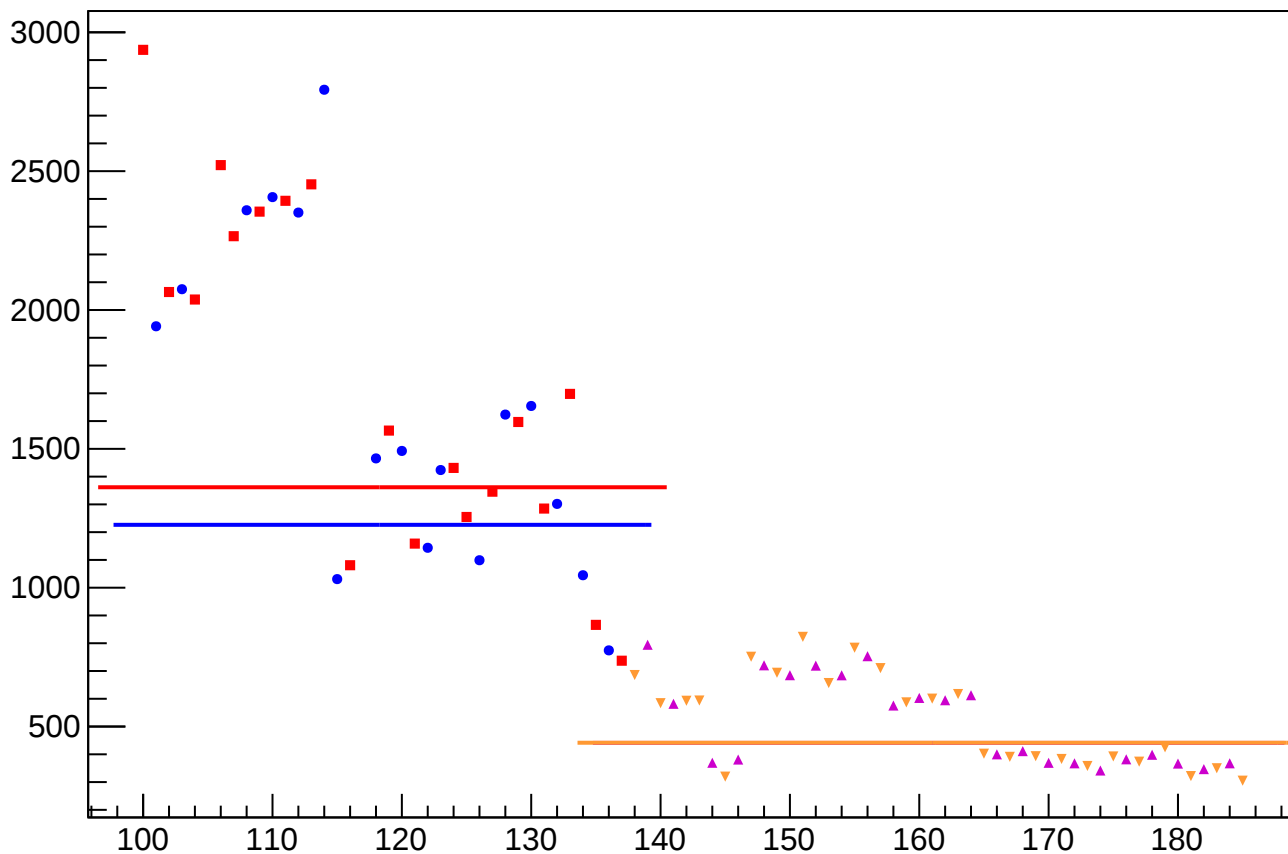
Right: -318.444+/-374.282 χ^2/NDF : 33.1/35

In: -81.389+/-107.795 χ^2/NDF : 54.2/39

Out: -292.073+/-105.981 χ^2/NDF : 65.1/43

All: -188.519+/-75.573 χ^2/NDF : 121.3/83

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.408+/-0.363 χ^2/NDF : 1754373.1/16

Left Out: 441.688+/-0.076 χ^2/NDF : 3169460.8/24

Right Out: 1361.687+/-0.387 χ^2/NDF : 1749515.8/18

Left In: 441.009+/-0.078 χ^2/NDF : 2597018.1/22

Left: 441.355+/-0.055 χ^2/NDF : 5766517.6/47

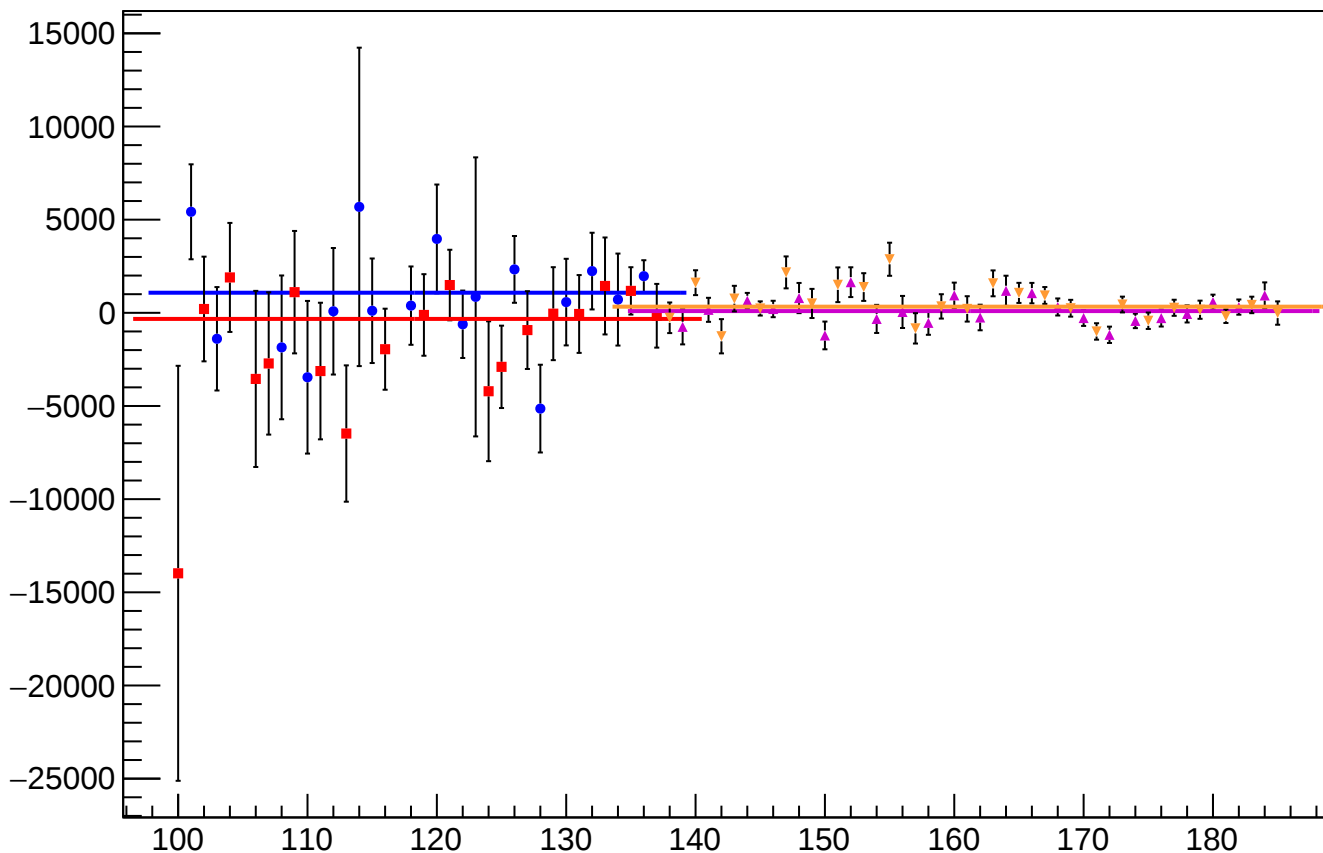
Right: 1289.793+/-0.265 χ^2/NDF : 3568949.4/35

In: 475.631+/-0.076 χ^2/NDF : 8825405.8/39

Out: 476.250+/-0.075 χ^2/NDF : 10368193.2/43

All: 475.946+/-0.053 χ^2/NDF : 19193632.5/83

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1078.872 $\pm$ 516.347 χ^2/NDF : 16.9/16

Left Out: 330.372 $\pm$ 109.684 χ^2/NDF : 47.7/24

Right Out: -327.027 $\pm$ 549.623 χ^2/NDF : 12.5/18

Left In: 93.310 $\pm$ 111.960 χ^2/NDF : 33.3/22

Left: 214.275 $\pm$ 78.351 χ^2/NDF : 83.4/47

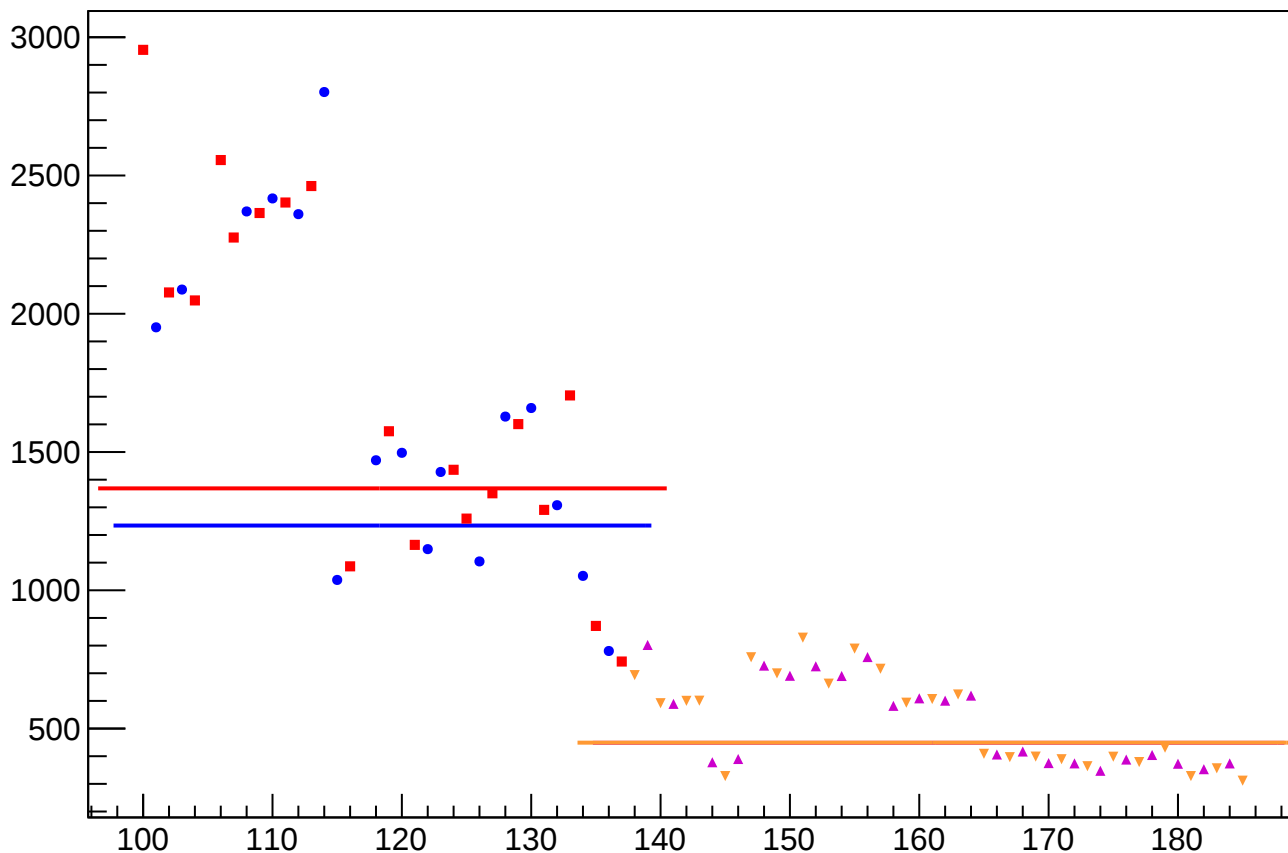
Right: 419.768 $\pm$ 376.327 χ^2/NDF : 32.8/35

In: 137.566 $\pm$ 109.417 χ^2/NDF : 53.7/39

Out: 305.194 $\pm$ 107.563 χ^2/NDF : 61.6/43

All: 222.812 $\pm$ 76.706 χ^2/NDF : 116.5/83

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1234.132+/-0.365 χ^2/NDF : 1741964.9/16

Left Out: 449.020+/-0.078 χ^2/NDF : 3090785.0/24

Right Out: 1368.544+/-0.389 χ^2/NDF : 1745009.6/18

Left In: 448.307+/-0.079 χ^2/NDF : 2537376.0/22

Left: 448.671+/-0.055 χ^2/NDF : 5628202.4/47

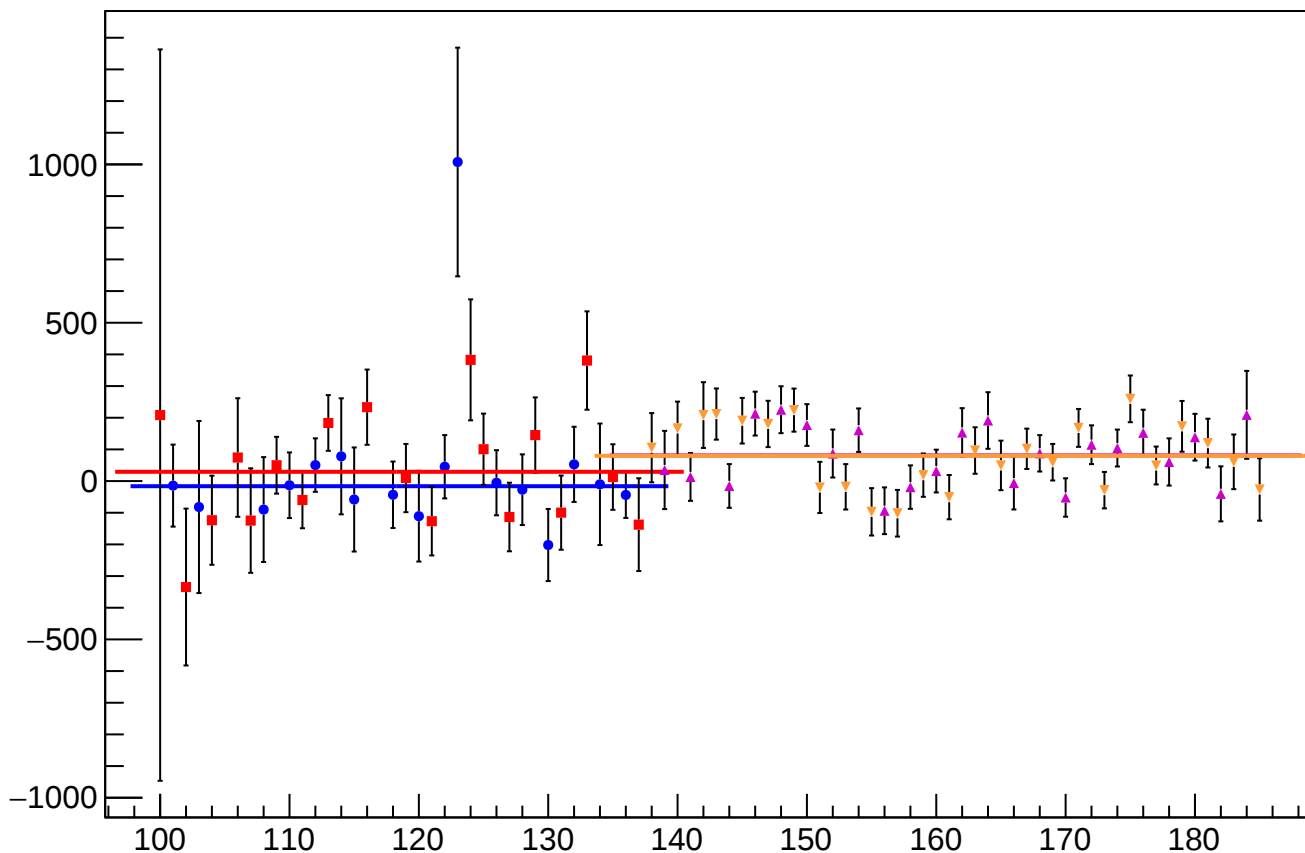
Right: 1297.146+/-0.266 χ^2/NDF : 3550510.7/35

In: 483.594+/-0.077 χ^2/NDF : 8703660.2/39

Out: 484.238+/-0.076 χ^2/NDF : 10219306.1/43

All: 483.921+/-0.054 χ^2/NDF : 18923001.5/83

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -16.204 ± 28.906 $\chi^2/\text{NDF}: 13.3/16$

Left Out: 79.830 ± 14.594 $\chi^2/\text{NDF}: 48.6/24$

Right Out: 29.279 ± 28.050 $\chi^2/\text{NDF}: 27.6/18$

Left In: 81.156 ± 15.105 $\chi^2/\text{NDF}: 35.3/22$

Left: 80.470 ± 10.496 $\chi^2/\text{NDF}: 83.9/47$

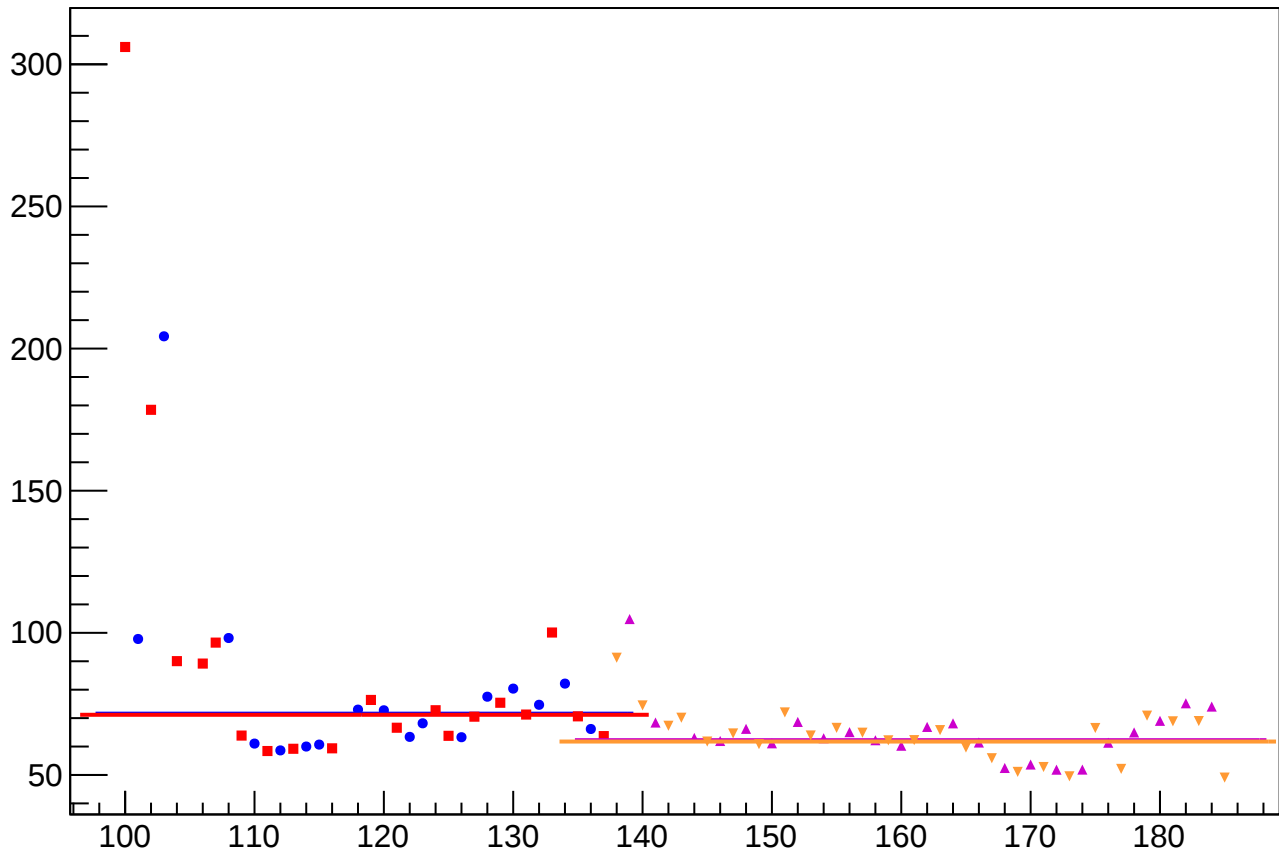
Right: 7.221 ± 20.130 $\chi^2/\text{NDF}: 42.2/35$

In: 60.272 ± 13.388 $\chi^2/\text{NDF}: 57.5/39$

Out: 69.061 ± 12.946 $\chi^2/\text{NDF}: 78.8/43$

All: 64.814 ± 9.307 $\chi^2/\text{NDF}: 136.5/83$

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.567 $\pm$ 0.020 χ^2 /NDF: 758733.9/16

Left Out: 61.759 $\pm$ 0.010 χ^2 /NDF: 645370.9/24

Right Out: 71.173 $\pm$ 0.020 χ^2 /NDF: 765136.0/18

Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

Left: 61.996 $\pm$ 0.007 χ^2 /NDF: 1237548.0/47

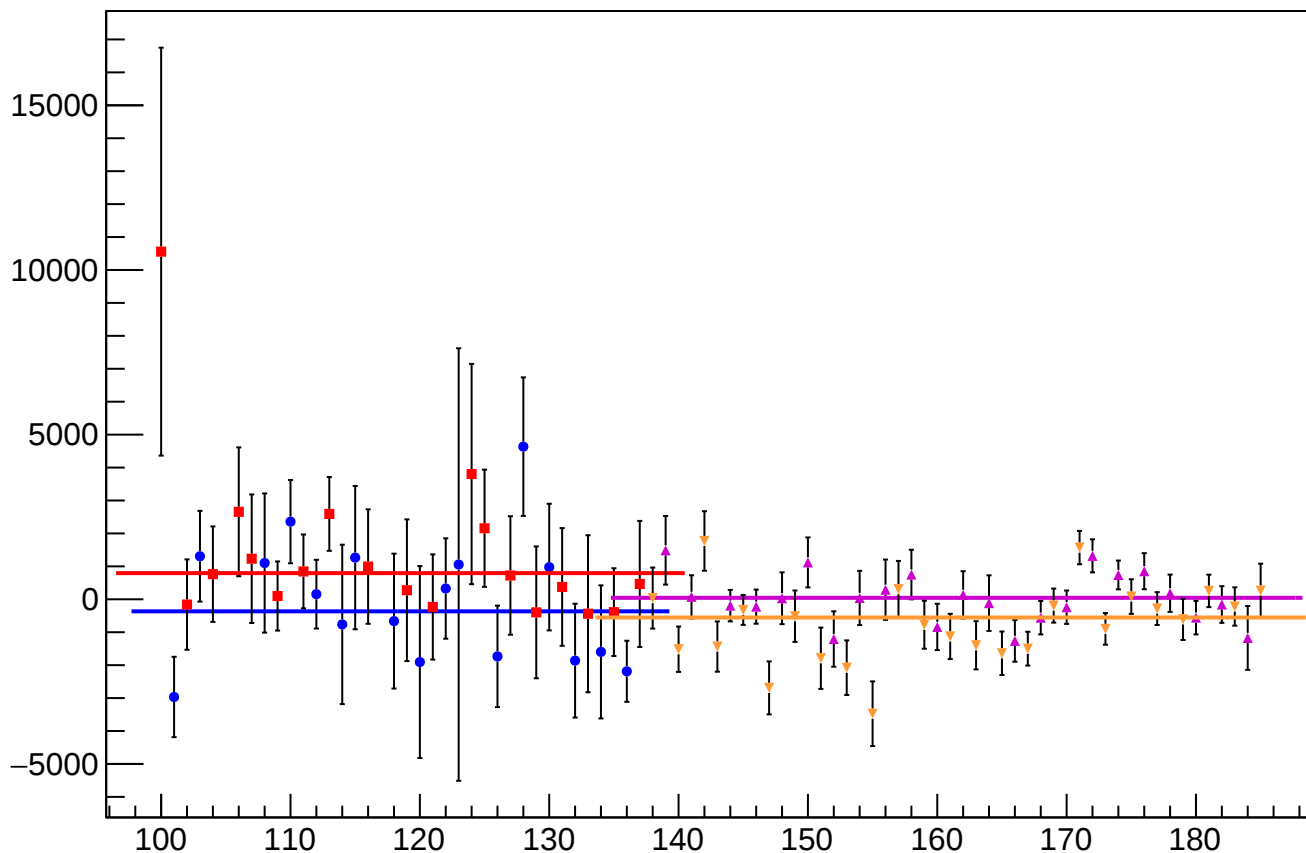
Right: 71.364 $\pm$ 0.014 χ^2 /NDF: 1524061.4/35

In: 64.248 $\pm$ 0.009 χ^2 /NDF: 1513023.4/39

Out: 63.764 $\pm$ 0.009 χ^2 /NDF: 1587781.7/43

All: 63.998 $\pm$ 0.007 χ^2 /NDF: 3102155.7/83

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -365.739 ± 382.977 $\chi^2/\text{NDF}: 24.4/16$

Left Out: -553.151 ± 126.996 $\chi^2/\text{NDF}: 65.3/24$

Right Out: 794.732 ± 370.548 $\chi^2/\text{NDF}: 10.3/18$

Left In: 44.578 ± 129.095 $\chi^2/\text{NDF}: 29.6/22$

Left: -259.184 ± 90.533 $\chi^2/\text{NDF}: 105.7/47$

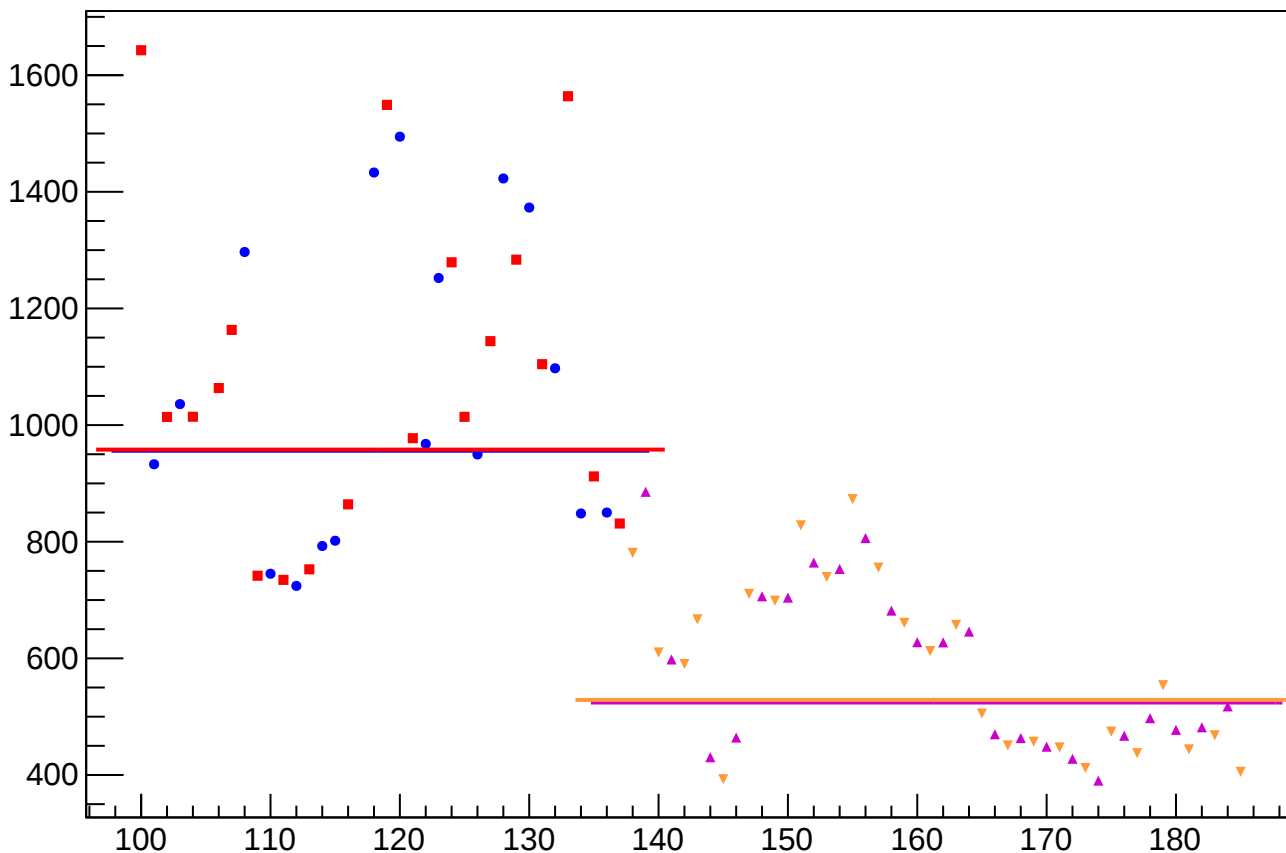
Right: 233.634 ± 266.303 $\chi^2/\text{NDF}: 39.5/35$

In: 2.713 ± 122.332 $\chi^2/\text{NDF}: 55.0/39$

Out: -411.470 ± 120.136 $\chi^2/\text{NDF}: 87.4/43$

All: -208.128 ± 85.715 $\chi^2/\text{NDF}: 148.3/83$

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 956.049 $\pm$ 0.271 χ^2 /NDF: 651701.4/16

Left Out: 528.728 $\pm$ 0.090 χ^2 /NDF:1983921.4/24

Right Out: 957.960 $\pm$ 0.262 χ^2 /NDF: 695647.8/18

Left In: 524.268 $\pm$ 0.091 χ^2 /NDF:1716257.3/22

Left: 526.535 $\pm$ 0.064 χ^2 /NDF: 3701391.8/47

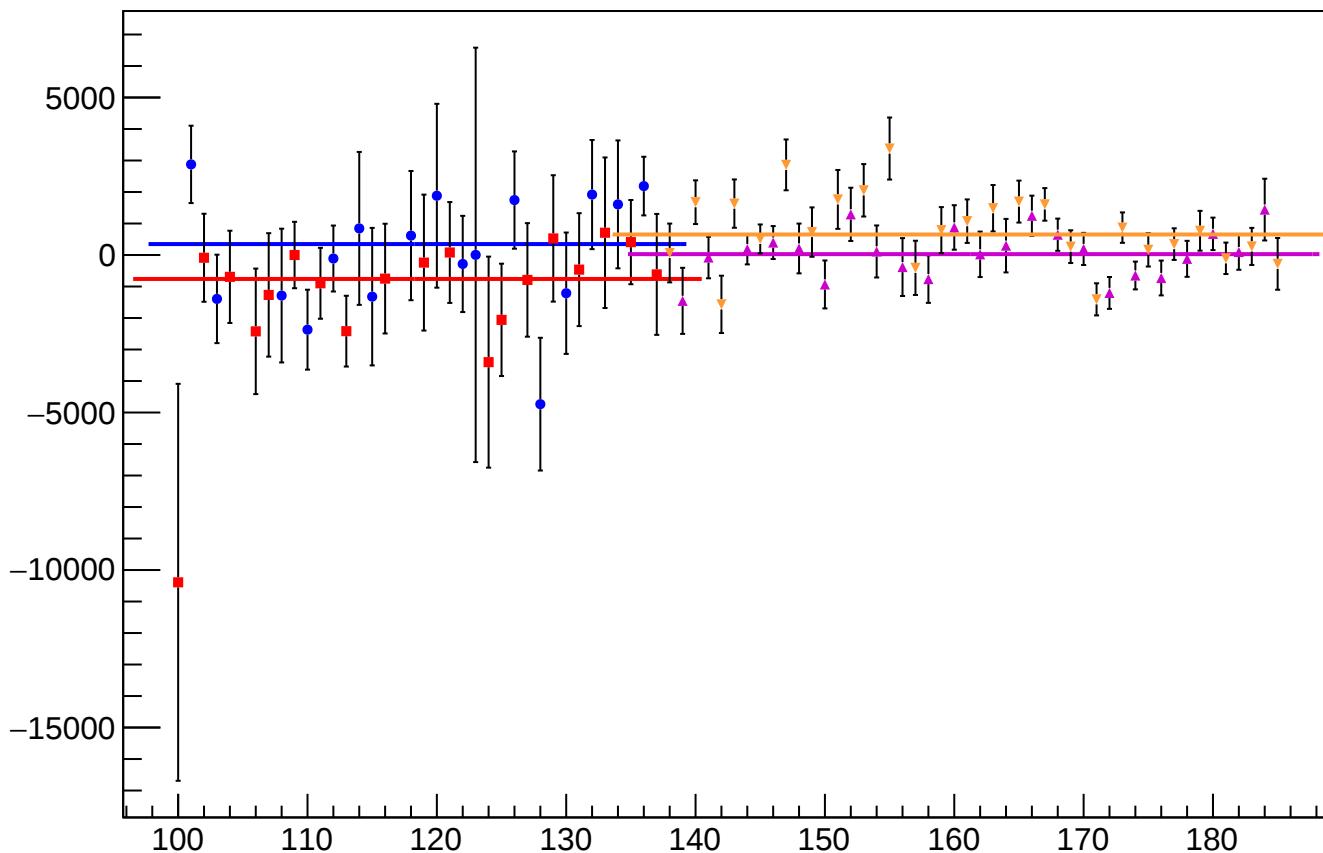
Right: 957.036 $\pm$ 0.188 χ^2 /NDF: 1347374.9/35

In: 568.323 $\pm$ 0.087 χ^2 /NDF:4650775.4/39

Out: 573.846 $\pm$ 0.085 χ^2 /NDF:5081133.2/43

All: 571.135 $\pm$ 0.061 χ^2 /NDF: 9733984.0/83

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 347.157+/-384.717 χ^2/NDF : 24.7/16

Left Out: 651.784+/-127.976 χ^2/NDF : 61.1/24

Right Out: -760.420+/-372.421 χ^2/NDF : 9.1/18

Left In: 27.483+/-130.127 χ^2/NDF : 28.5/22

Left: 344.835+/-91.244 χ^2/NDF : 101.2/47

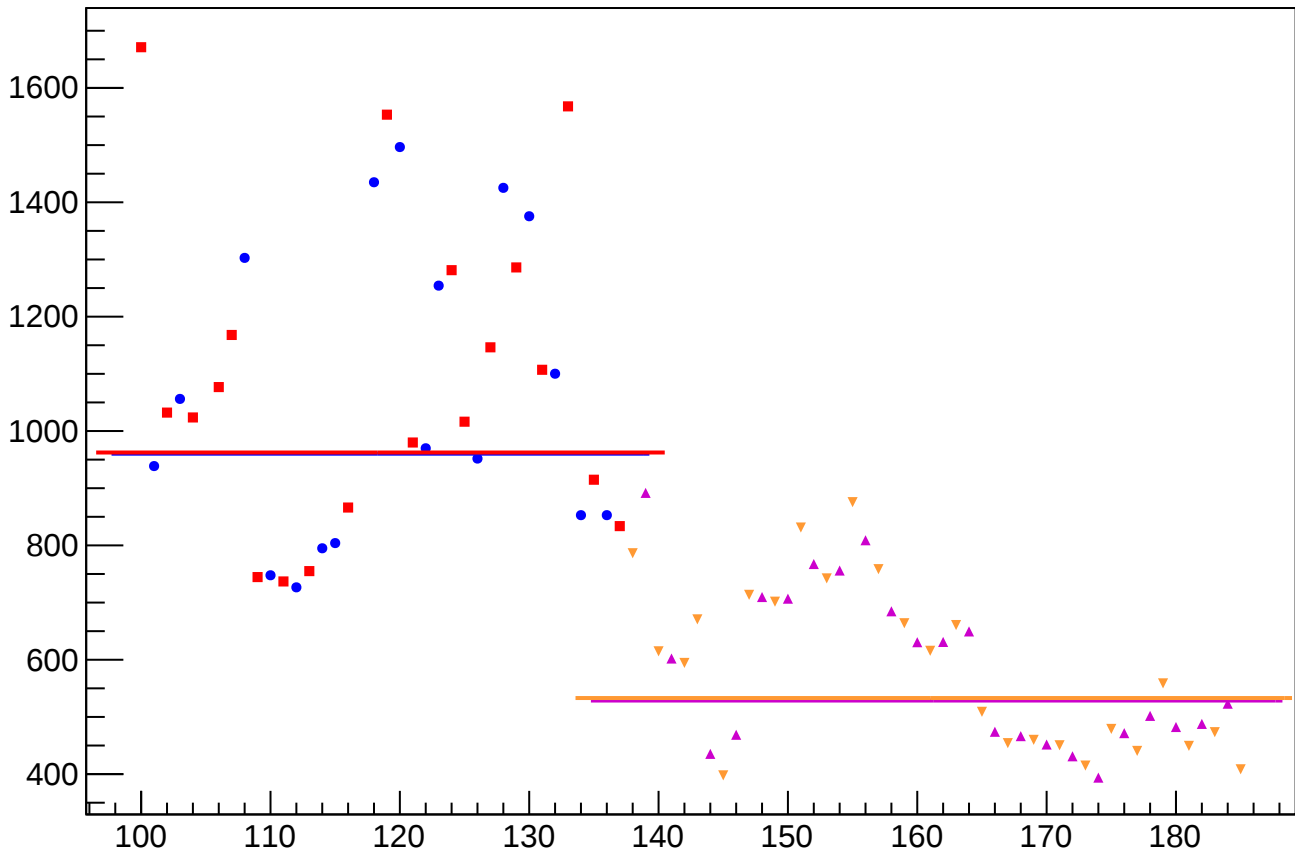
Right: -224.613+/-267.583 χ^2/NDF : 38.1/35

In: 60.301+/-123.266 χ^2/NDF : 53.7/39

Out: 502.638+/-121.030 χ^2/NDF : 83.1/43

All: 285.519+/-86.361 χ^2/NDF : 143.4/83

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 960.401+/-0.272 χ^2/NDF : 651758.1/16

Left Out: 533.052+/-0.090 χ^2/NDF :1951752.3/24

Right Out: 962.436+/-0.263 χ^2/NDF : 698312.5/18

Left In: 528.694+/-0.092 χ^2/NDF :1688511.2/22

Left: 530.910+/-0.065 χ^2/NDF : 3641404.0/47

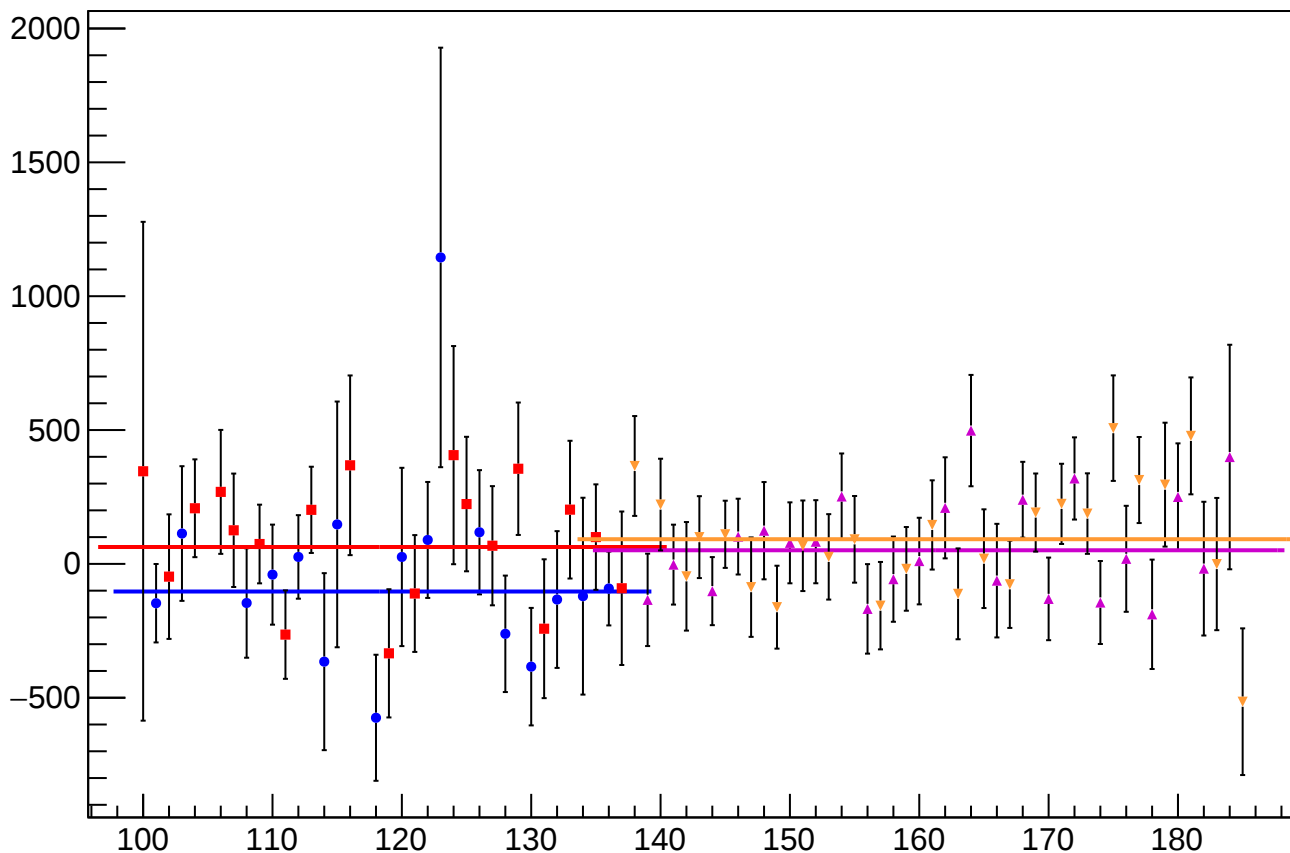
Right: 961.451+/-0.189 χ^2/NDF : 1350099.5/35

In: 573.014+/-0.087 χ^2/NDF :4600130.4/39

Out: 578.401+/-0.086 χ^2/NDF :5027877.3/43

All: 575.756+/-0.061 χ^2/NDF : 9629952.5/83

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -103.183 ± 53.022 $\chi^2/\text{NDF}: 13.2/16$

Left Out: 92.191 ± 34.056 $\chi^2/\text{NDF}: 29.5/24$

Right Out: 63.083 ± 50.922 $\chi^2/\text{NDF}: 15.2/18$

Left In: 50.896 ± 35.280 $\chi^2/\text{NDF}: 23.5/22$

Left: 72.272 ± 24.502 $\chi^2/\text{NDF}: 53.7/47$

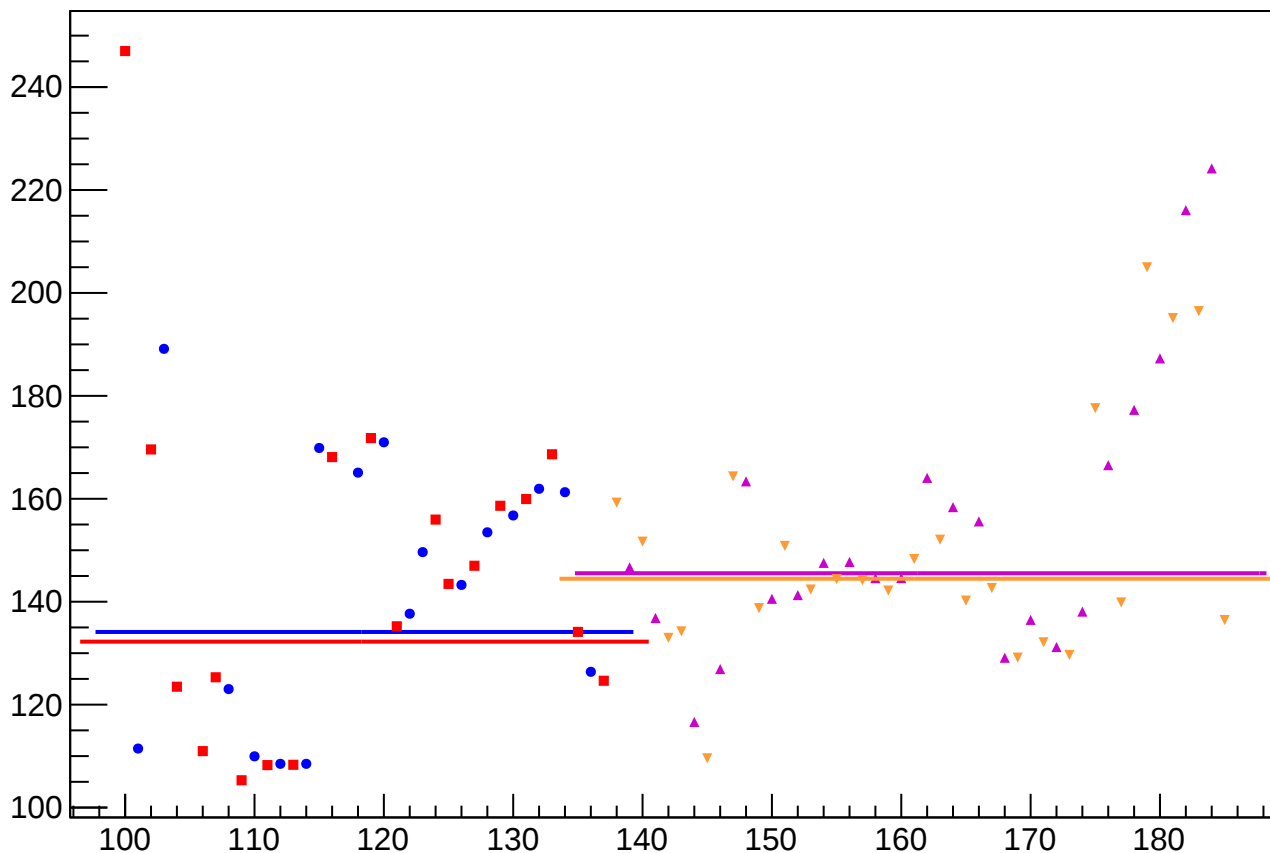
Right: -16.692 ± 36.727 $\chi^2/\text{NDF}: 33.5/35$

In: 3.614 ± 29.372 $\chi^2/\text{NDF}: 42.5/39$

Out: 83.196 ± 28.309 $\chi^2/\text{NDF}: 45.0/43$

All: 44.872 ± 20.383 $\chi^2/\text{NDF}: 91.3/83$

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.122 $\pm$ 0.037 χ^2 /NDF: 402473.7/16

Left Out: 144.468 $\pm$ 0.024 χ^2 /NDF:669792.2/24

Right Out: 132.239 $\pm$ 0.036 χ^2 /NDF: 443566.0/18

Left In: 145.535 $\pm$ 0.025 χ^2 /NDF:643529.3/22

Left: 144.982 $\pm$ 0.017 χ^2 /NDF: 1314268.2/47

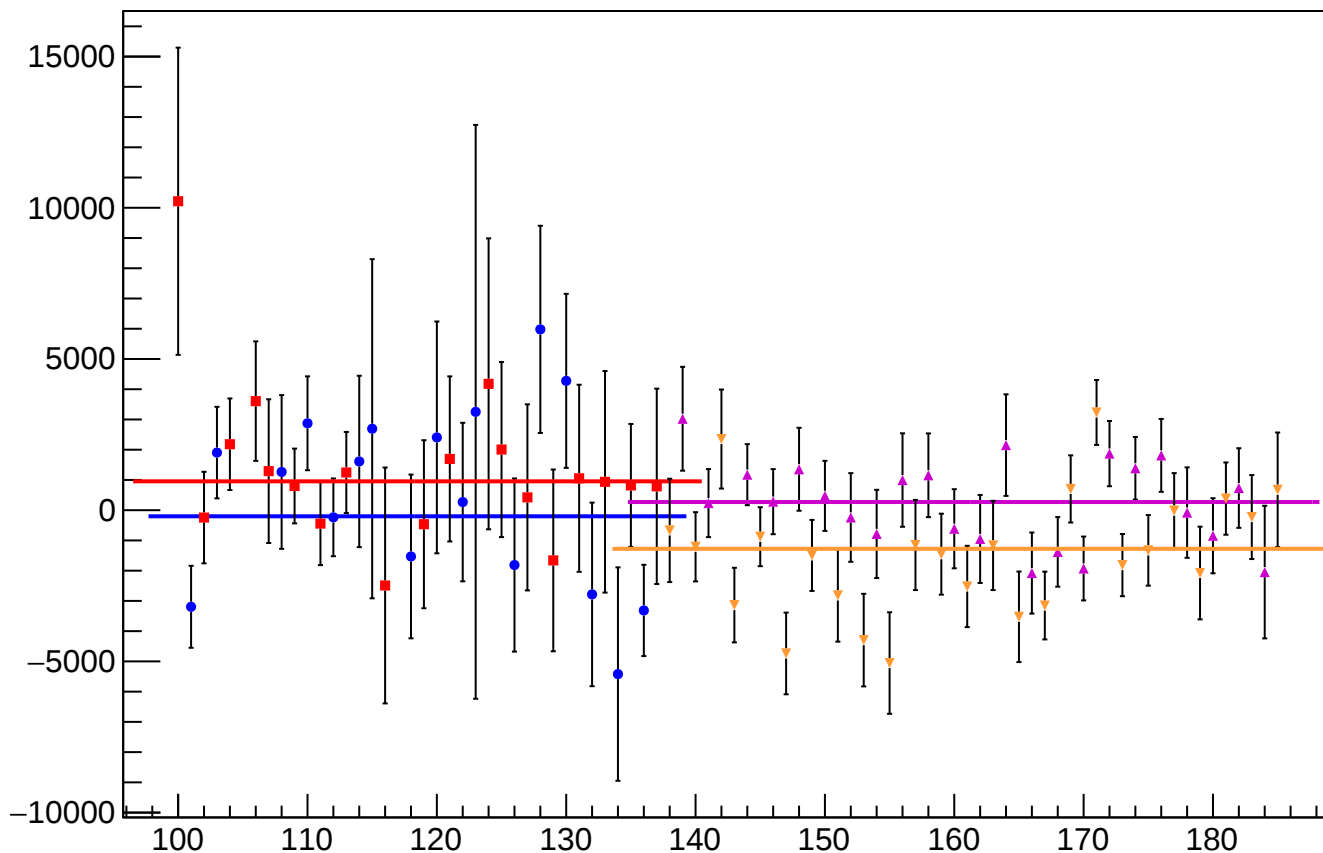
Right: 133.143 $\pm$ 0.026 χ^2 /NDF: 847351.7/35

In: 142.033 $\pm$ 0.021 χ^2 /NDF:1110226.7/39

Out: 140.689 $\pm$ 0.020 χ^2 /NDF:1193051.2/43

All: 141.336 $\pm$ 0.014 χ^2 /NDF: 2305448.5/83

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -201.740 $\pm$ 524.888 χ^2 /NDF: 25.8/16

Left Out: -1277.482 $\pm$ 259.325 χ^2 /NDF:56.0/24

Right Out: 953.808 $\pm$ 481.576 χ^2 /NDF: 10.0/18

Left In: 269.952 $\pm$ 266.245 χ^2 /NDF:24.3/22

Left: -524.137 $\pm$ 185.769 χ^2 /NDF: 97.6/47

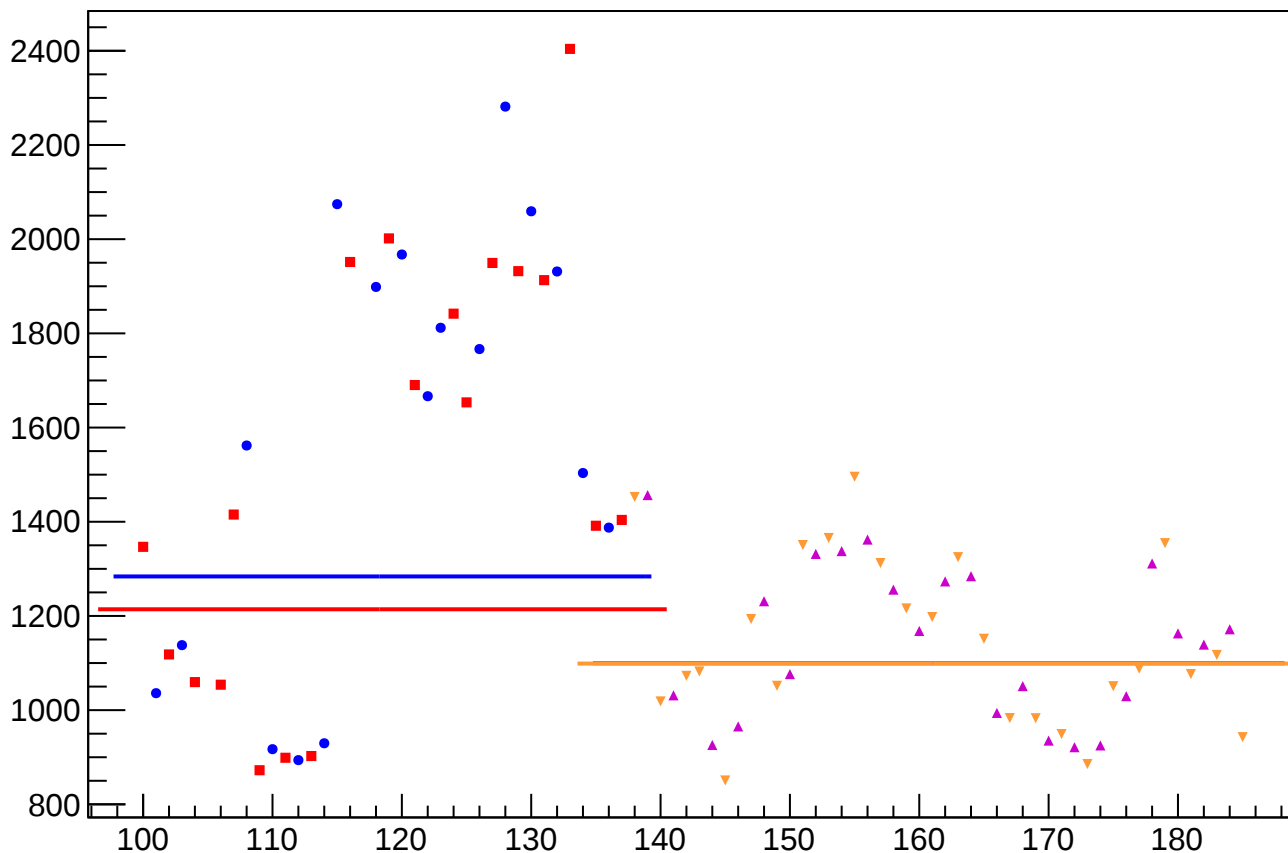
Right: 425.670 $\pm$ 354.851 χ^2 /NDF: 38.4/35

In: 173.424 $\pm$ 237.445 χ^2 /NDF:50.7/39

Out: -775.910 $\pm$ 228.325 χ^2 /NDF:82.7/43

All: -319.824 $\pm$ 164.580 χ^2 /NDF: 141.7/83

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.882 ± 0.371 $\chi^2/\text{NDF}: 1171665.2/16$

Left Out: 1098.879 ± 0.183 $\chi^2/\text{NDF}: 824297.7/24$

Right Out: 1214.162 ± 0.341 $\chi^2/\text{NDF}: 1360853.5/18$

Left In: 1099.585 ± 0.188 $\chi^2/\text{NDF}: 679896.1/22$

Left: 1099.223 ± 0.131 $\chi^2/\text{NDF}: 1504201.0/47$

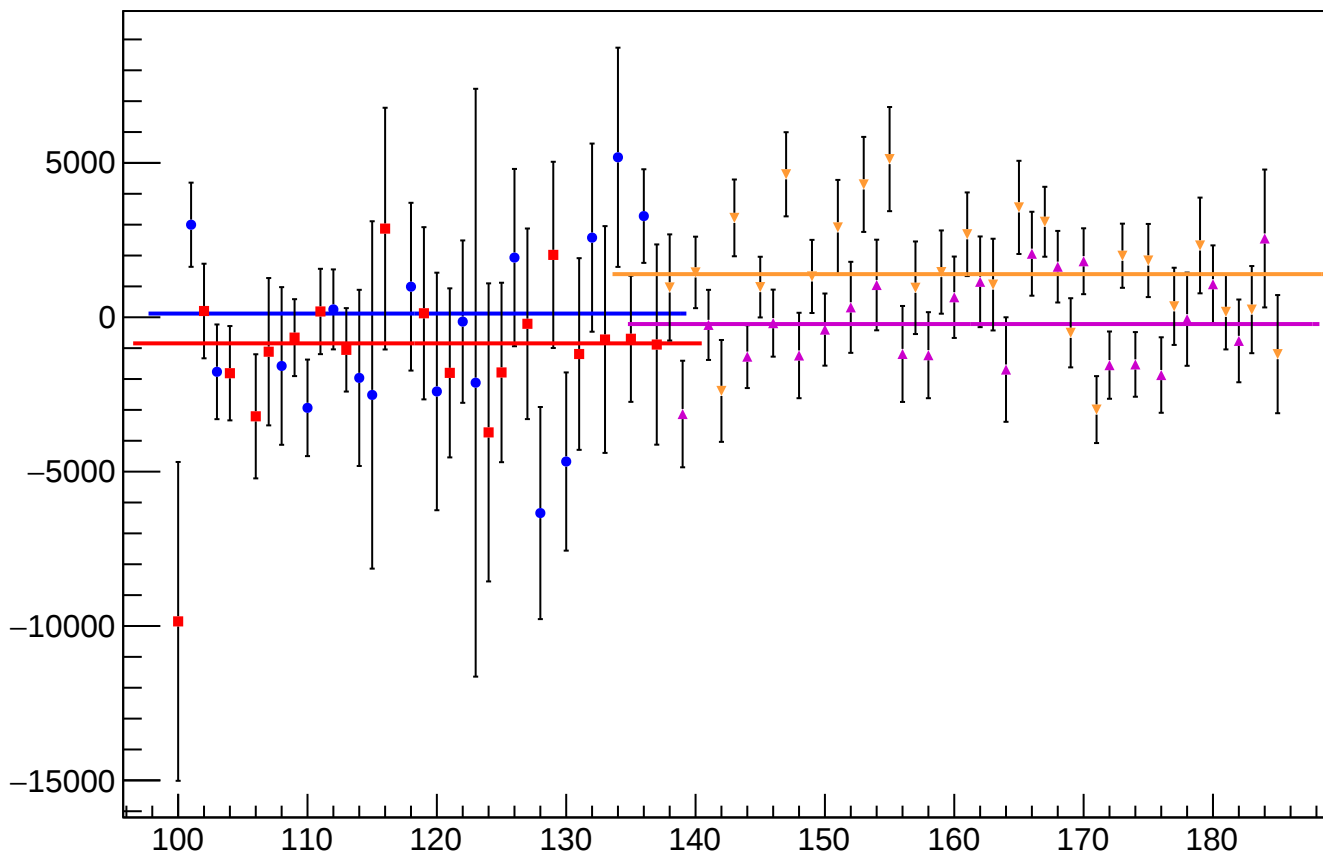
Right: 1246.027 ± 0.251 $\chi^2/\text{NDF}: 2551678.0/35$

In: 1137.300 ± 0.168 $\chi^2/\text{NDF}: 2047669.9/39$

Out: 1124.794 ± 0.161 $\chi^2/\text{NDF}: 2273999.0/43$

All: 1130.802 ± 0.116 $\chi^2/\text{NDF}: 4324551.6/83$

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 120.212 $\pm$ 528.305 χ^2 /NDF: 25.3/16

Left Out: 1397.450 $\pm$ 261.830 χ^2 /NDF: 52.3/24

Right Out: -845.039 $\pm$ 485.264 χ^2 /NDF: 8.5/18

Left In: -219.393 $\pm$ 268.852 χ^2 /NDF: 25.0/22

Left: 610.420 $\pm$ 187.575 χ^2 /NDF: 95.9/47

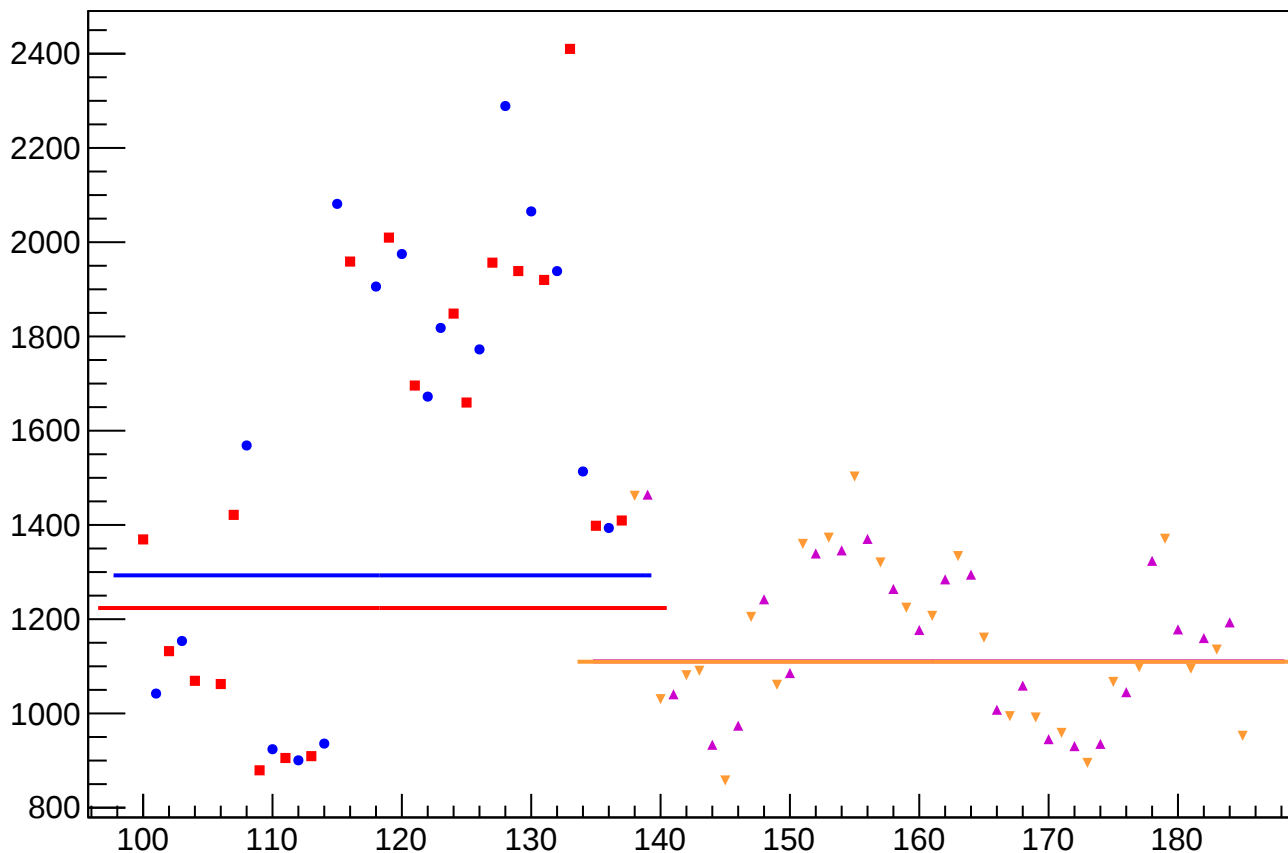
Right: -403.329 $\pm$ 357.382 χ^2 /NDF: 35.6/35

In: -149.535 $\pm$ 239.610 χ^2 /NDF: 50.6/39

Out: 891.808 $\pm$ 230.428 χ^2 /NDF: 77.4/43

All: 391.471 $\pm$ 166.088 χ^2 /NDF: 137.8/83

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.993 $\pm$ 0.374 χ^2 /NDF: 1158775.5/16

Left Out: 1109.731 $\pm$ 0.185 χ^2 /NDF: 812132.4/24

Right Out: 1223.713 $\pm$ 0.343 χ^2 /NDF: 1345807.4/18

Left In: 1110.542 $\pm$ 0.190 χ^2 /NDF: 669928.9/22

Left: 1110.126 $\pm$ 0.133 χ^2 /NDF: 1482070.7/47

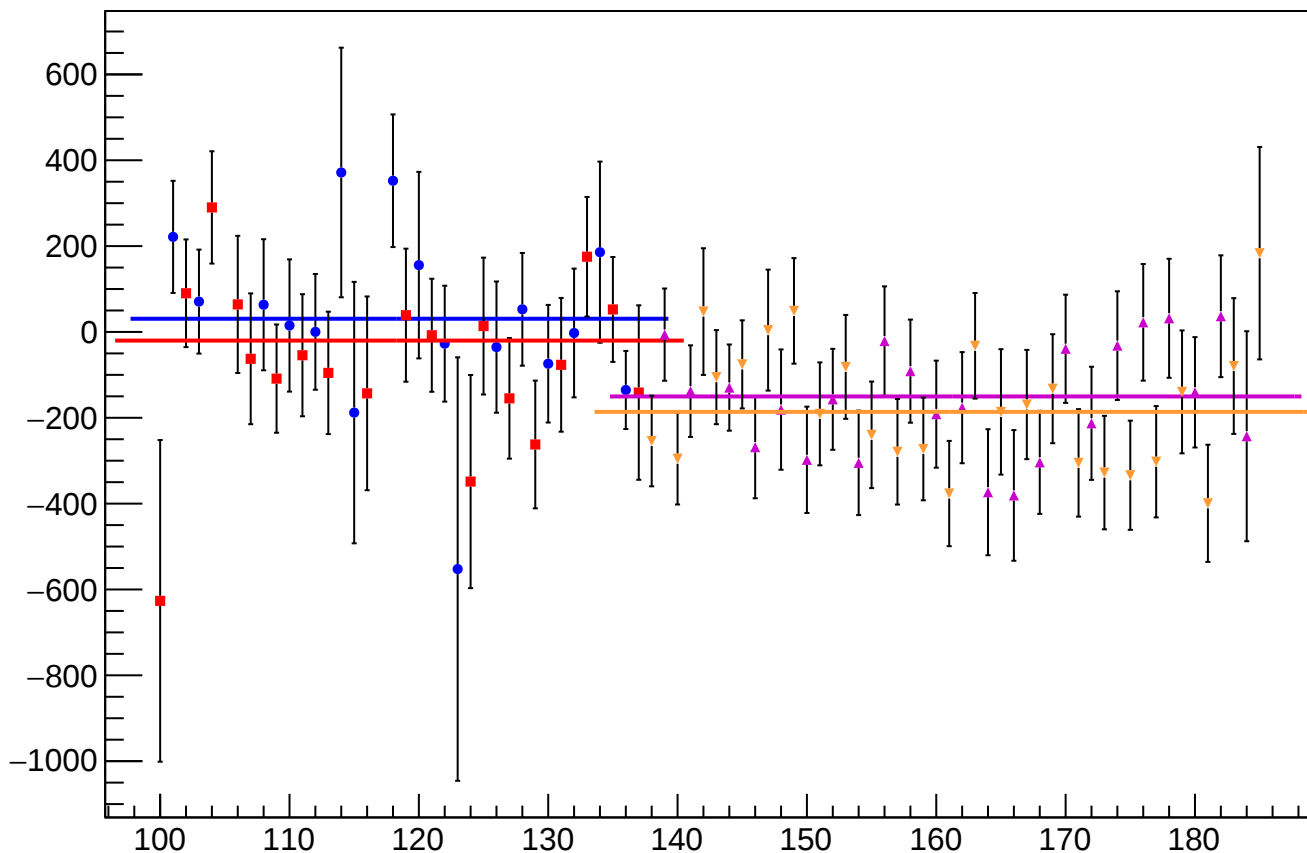
Right: 1255.416 $\pm$ 0.253 χ^2 /NDF: 2523237.8/35

In: 1148.073 $\pm$ 0.169 χ^2 /NDF: 2018173.4/39

Out: 1135.432 $\pm$ 0.163 χ^2 /NDF: 2243402.5/43

All: 1141.505 $\pm$ 0.117 χ^2 /NDF: 4264467.8/83

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 30.740 ± 36.437 $\chi^2/\text{NDF}: 15.2/16$
 Left Out: -186.216 ± 25.310 $\chi^2/\text{NDF}: 26.8/24$
 Right Out: -20.110 ± 34.774 $\chi^2/\text{NDF}: 18.8/18$
 Left In: -150.315 ± 26.445 $\chi^2/\text{NDF}: 20.7/22$

Left: -169.052 ± 18.285 $\chi^2/\text{NDF}: 48.4/47$

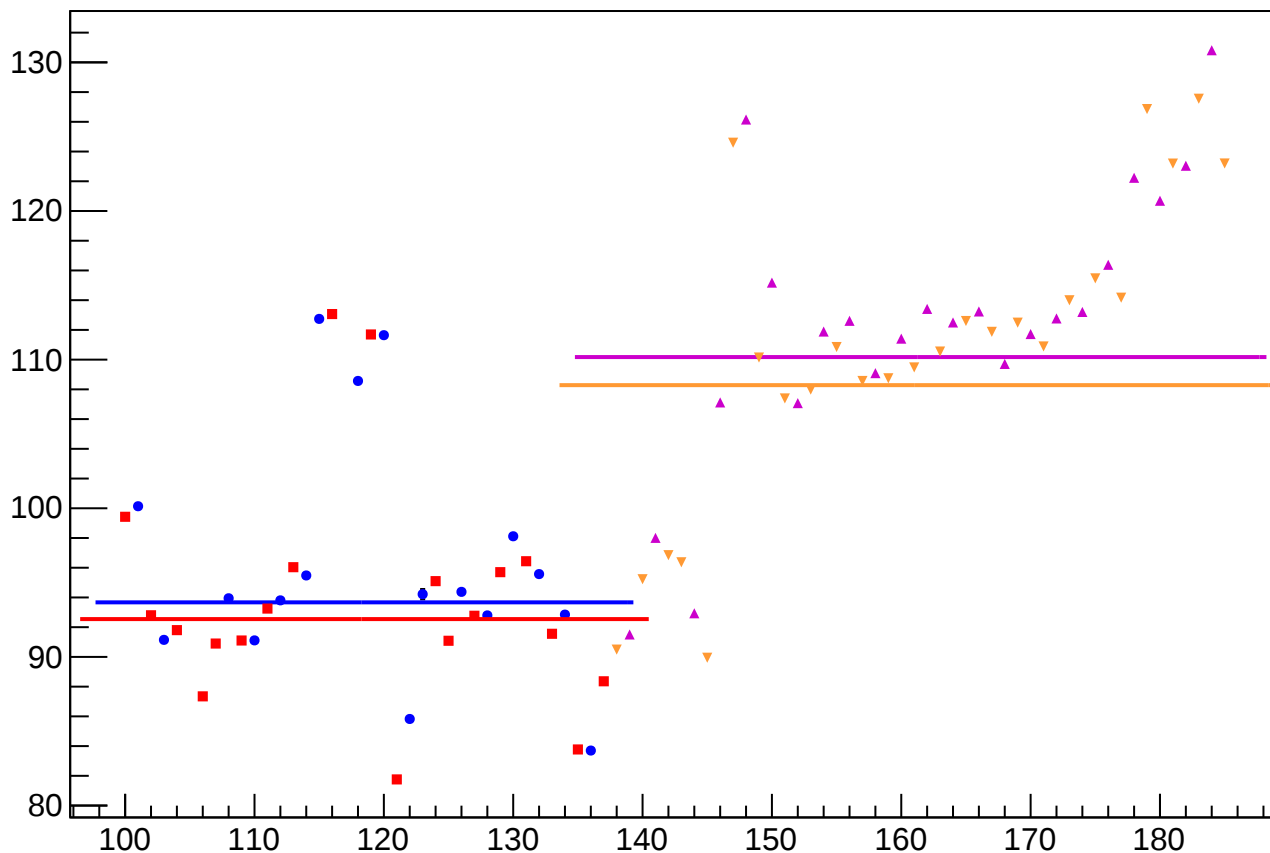
Right: 4.129 ± 25.156 $\chi^2/\text{NDF}: 35.0/35$

In: -87.849 ± 21.402 $\chi^2/\text{NDF}: 52.1/39$

Out: -128.693 ± 20.464 $\chi^2/\text{NDF}: 60.5/43$

All: -109.186 ± 14.791 $\chi^2/\text{NDF}: 114.5/83$

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.670 $\pm$ 0.026 χ^2 /NDF: 79871.5/16

Left Out: 108.284 $\pm$ 0.018 χ^2 /NDF: 330455.8/24

Right Out: 92.545 $\pm$ 0.025 χ^2 /NDF: 78872.3/18

Left In: 110.173 $\pm$ 0.019 χ^2 /NDF: 246967.7/22

Left: 109.187 $\pm$ 0.013 χ^2 /NDF: 582751.6/47

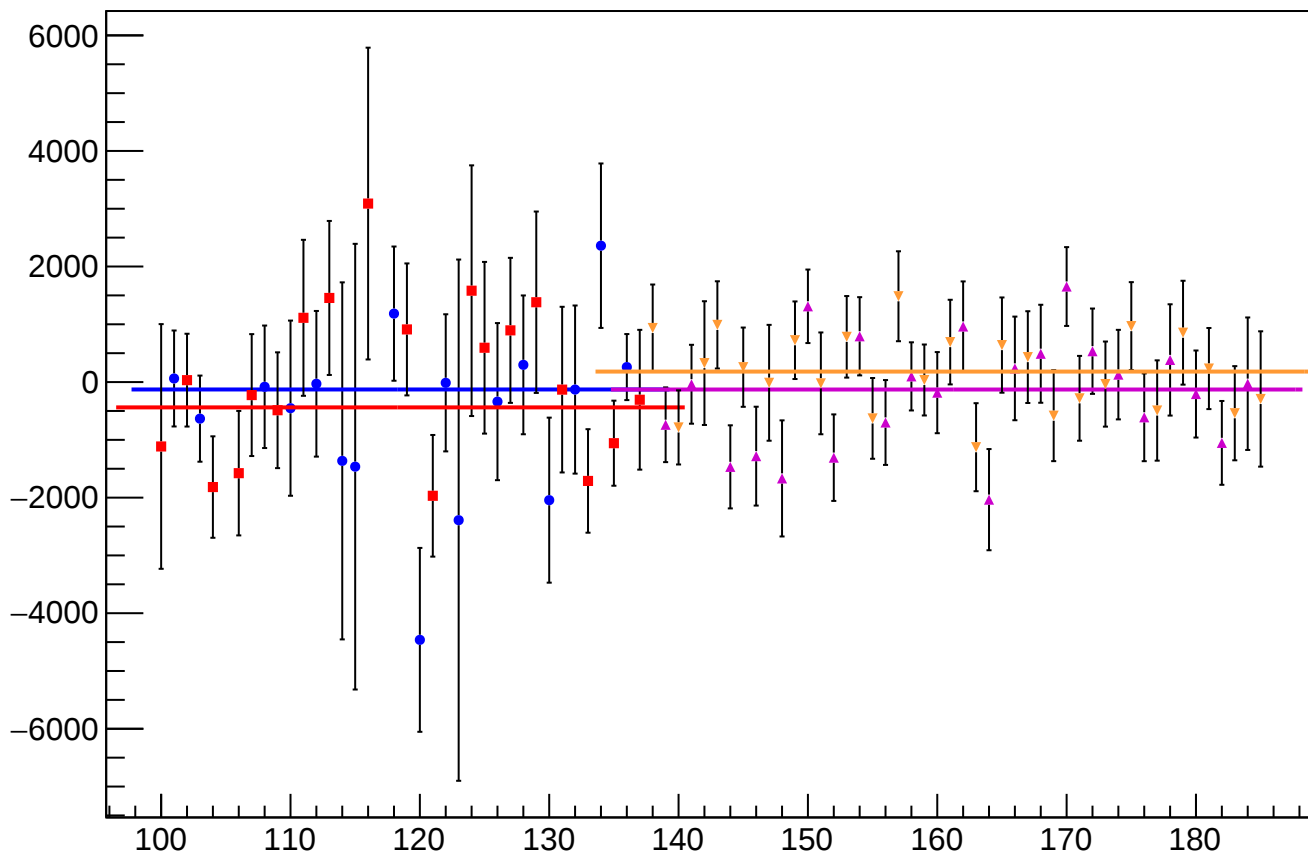
Right: 93.081 $\pm$ 0.018 χ^2 /NDF: 159742.9/35

In: 104.480 $\pm$ 0.015 χ^2 /NDF: 595551.2/39

Out: 102.833 $\pm$ 0.014 χ^2 /NDF: 677148.1/43

All: 103.620 $\pm$ 0.010 χ^2 /NDF: 1278880.7/83

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -127.998 $\pm$ 277.067 χ^2 /NDF: 15.3/16

Left Out: 181.782 $\pm$ 153.705 χ^2 /NDF:18.6/24

Right Out: -438.094 $\pm$ 260.694 χ^2 /NDF: 19.2/18

Left In: -128.782 $\pm$ 157.155 χ^2 /NDF:36.2/22

Left: 29.947 $\pm$ 109.885 χ^2 /NDF: 56.8/47

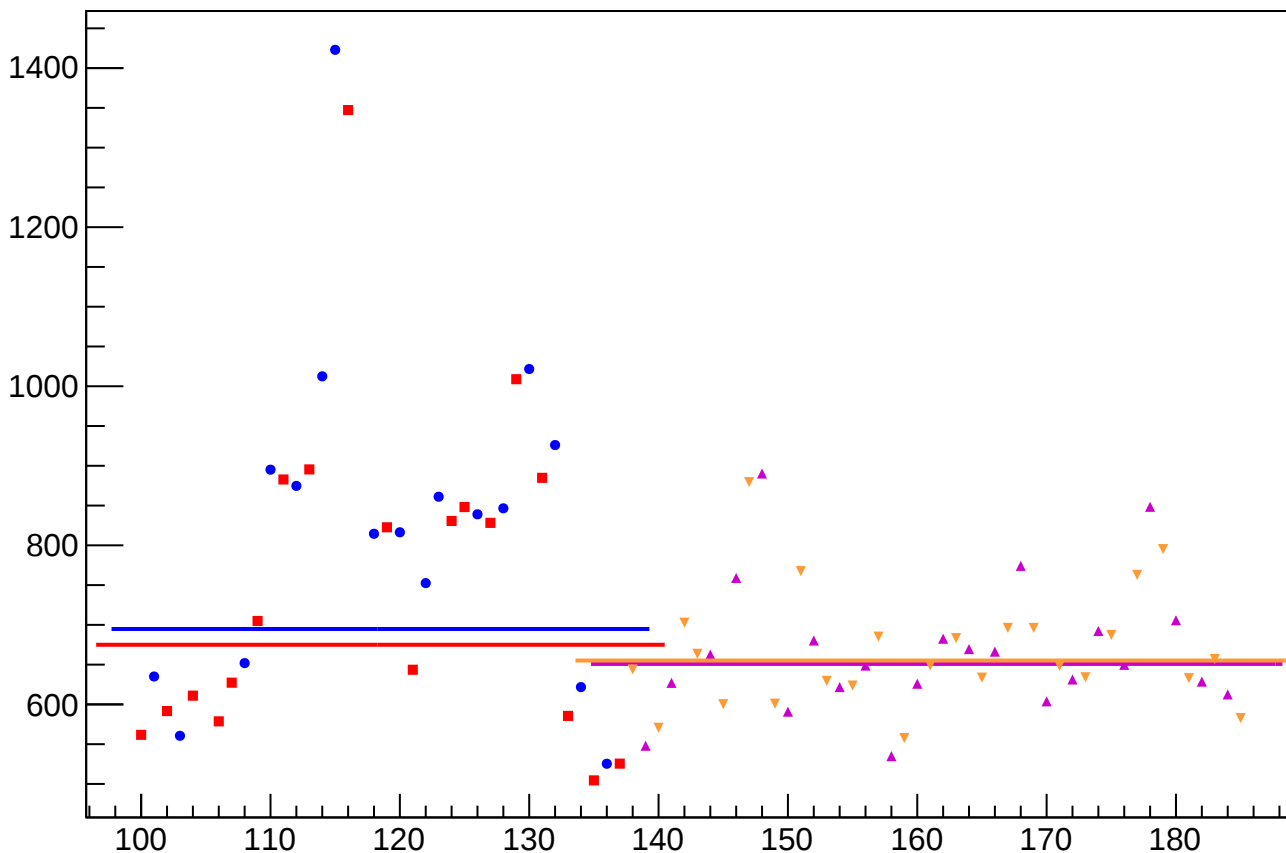
Right: -292.479 $\pm$ 189.863 χ^2 /NDF: 35.2/35

In: -128.591 $\pm$ 136.697 χ^2 /NDF:51.5/39

Out: 21.882 $\pm$ 132.405 χ^2 /NDF:42.0/43

All: -50.955 $\pm$ 95.105 χ^2 /NDF: 94.1/83

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 694.803 $\pm$ 0.196 χ^2 /NDF: 677838.4/16

Left Out: 655.165 $\pm$ 0.109 χ^2 /NDF: 367352.9/24

Right Out: 674.986 $\pm$ 0.184 χ^2 /NDF: 679698.0/18

Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

Left: 653.072 $\pm$ 0.078 χ^2 /NDF: 834228.6/47

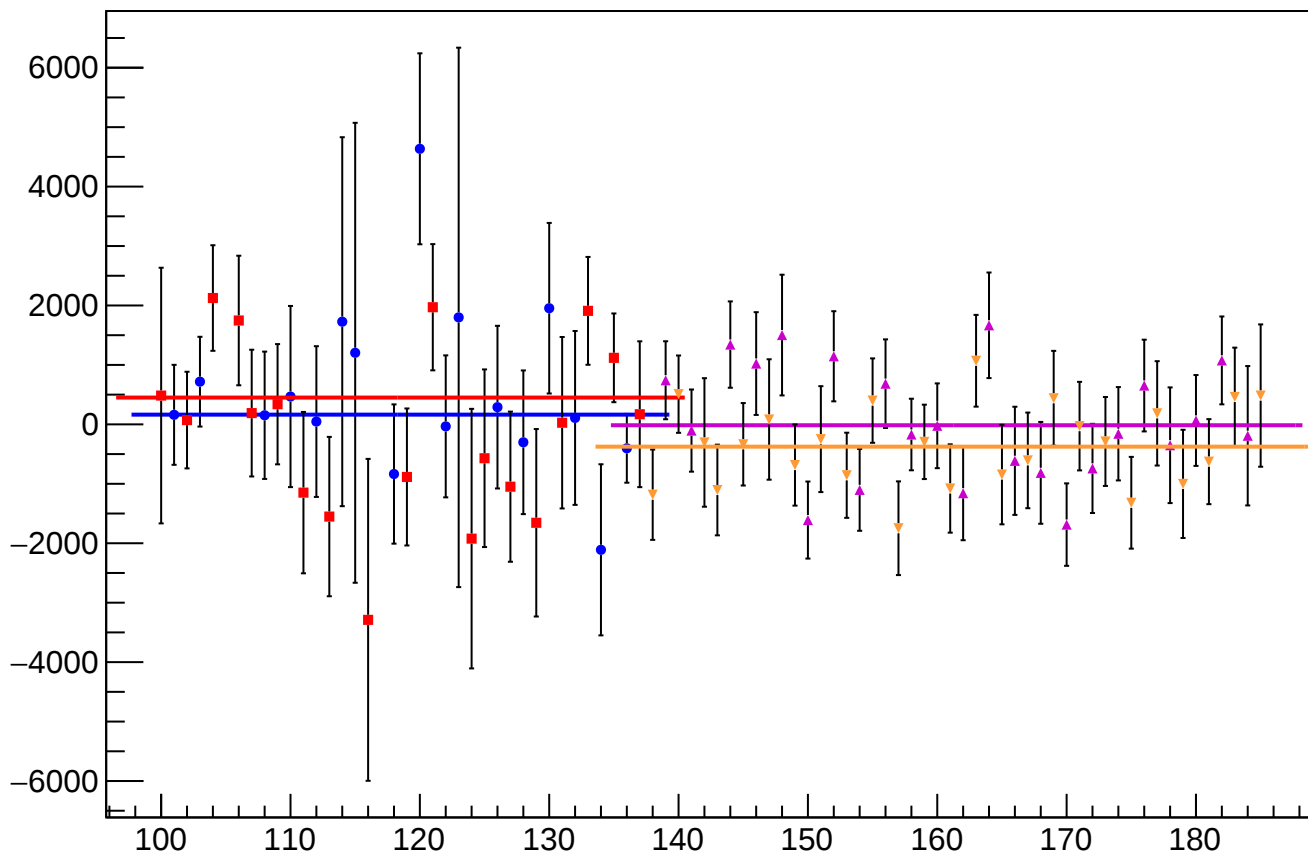
Right: 684.291 $\pm$ 0.134 χ^2 /NDF: 1362963.3/35

In: 661.574 $\pm$ 0.097 χ^2 /NDF: 1181977.0/39

Out: 660.278 $\pm$ 0.094 χ^2 /NDF: 1055629.8/43

All: 660.905 $\pm$ 0.067 χ^2 /NDF: 2237699.6/83

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 163.513 $\pm$ 279.836 χ^2 /NDF: 14.7/16

Left Out: -374.932 $\pm$ 155.914 χ^2 /NDF:19.1/24

Right Out: 450.889 $\pm$ 263.386 χ^2 /NDF: 22.5/18

Left In: -14.768 $\pm$ 159.513 χ^2 /NDF:37.2/22

Left: -198.959 $\pm$ 111.499 χ^2 /NDF: 58.9/47

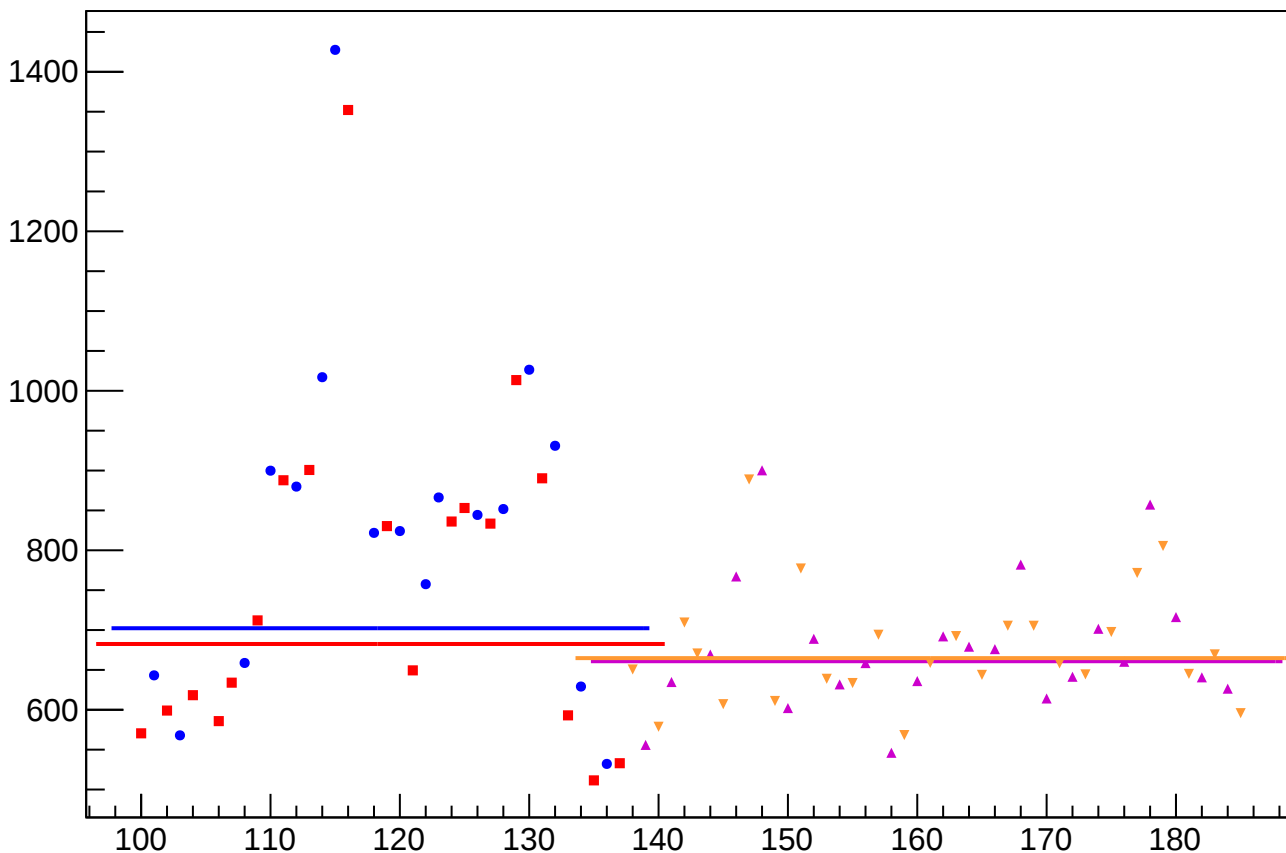
Right: 315.895 $\pm$ 191.794 χ^2 /NDF: 37.8/35

In: 28.954 $\pm$ 138.580 χ^2 /NDF:52.2/39

Out: -160.642 $\pm$ 134.169 χ^2 /NDF:48.9/43

All: -68.910 $\pm$ 96.393 χ^2 /NDF: 102.1/83

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.265 $\pm$ 0.198 χ^2 /NDF: 660691.4/16

Left Out: 664.781 $\pm$ 0.110 χ^2 /NDF: 357060.9/24

Right Out: 682.505 $\pm$ 0.186 χ^2 /NDF: 662840.9/18

Left In: 660.890 $\pm$ 0.113 χ^2 /NDF: 449180.0/22

Left: 662.880 $\pm$ 0.079 χ^2 /NDF: 806849.5/47

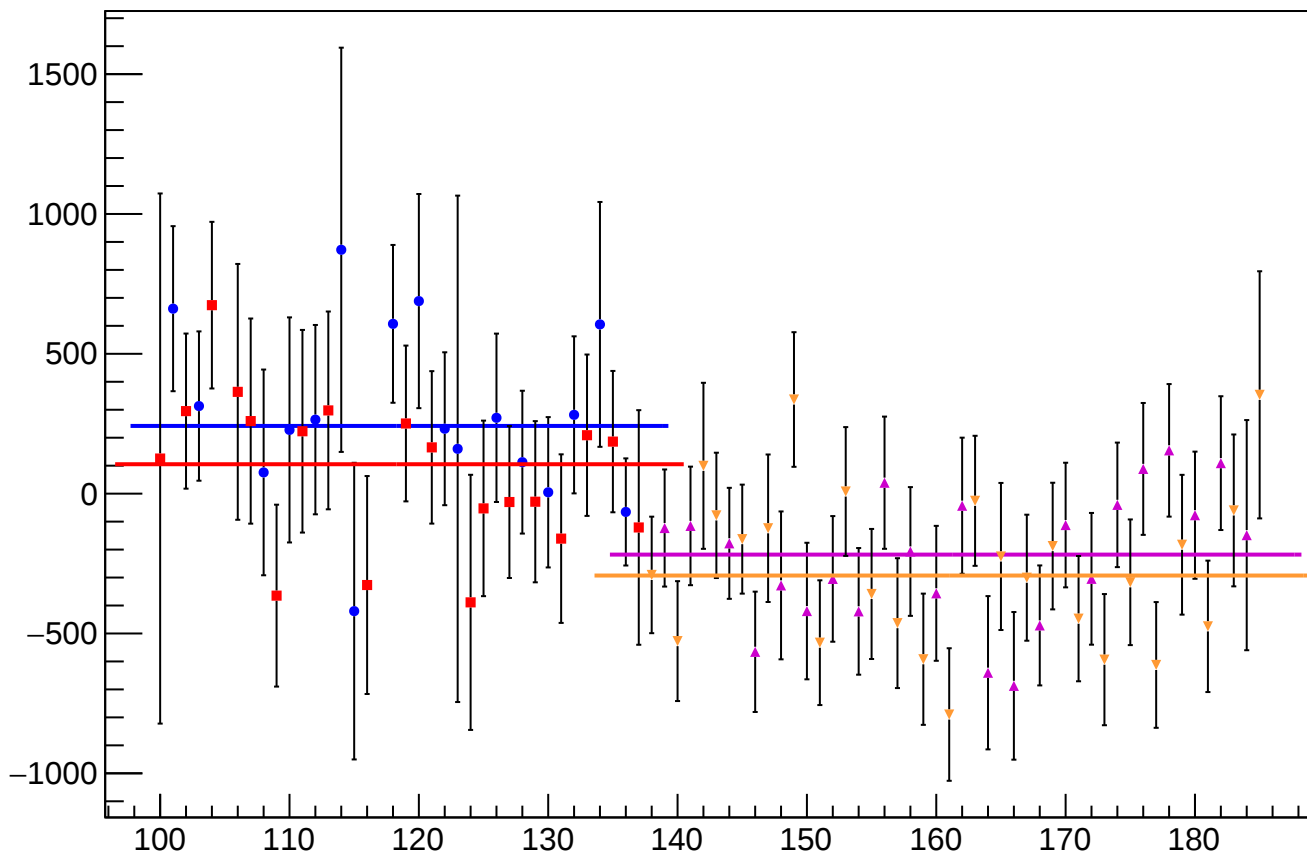
Right: 691.788 $\pm$ 0.136 χ^2 /NDF: 1328820.1/35

In: 671.037 $\pm$ 0.098 χ^2 /NDF: 1142871.0/39

Out: 669.381 $\pm$ 0.095 χ^2 /NDF: 1026608.4/43

All: 670.182 $\pm$ 0.068 χ^2 /NDF: 2169627.0/83

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 242.121 $\pm$ 76.105 χ^2 /NDF: 12.0/16

Left Out: -292.777 $\pm$ 47.207 χ^2 /NDF:30.5/24

Right Out: 105.190 $\pm$ 74.426 χ^2 /NDF: 11.8/18

Left In: -217.964 $\pm$ 48.819 χ^2 /NDF:21.3/22

Left: -256.626 $\pm$ 33.936 χ^2 /NDF: 53.0/47

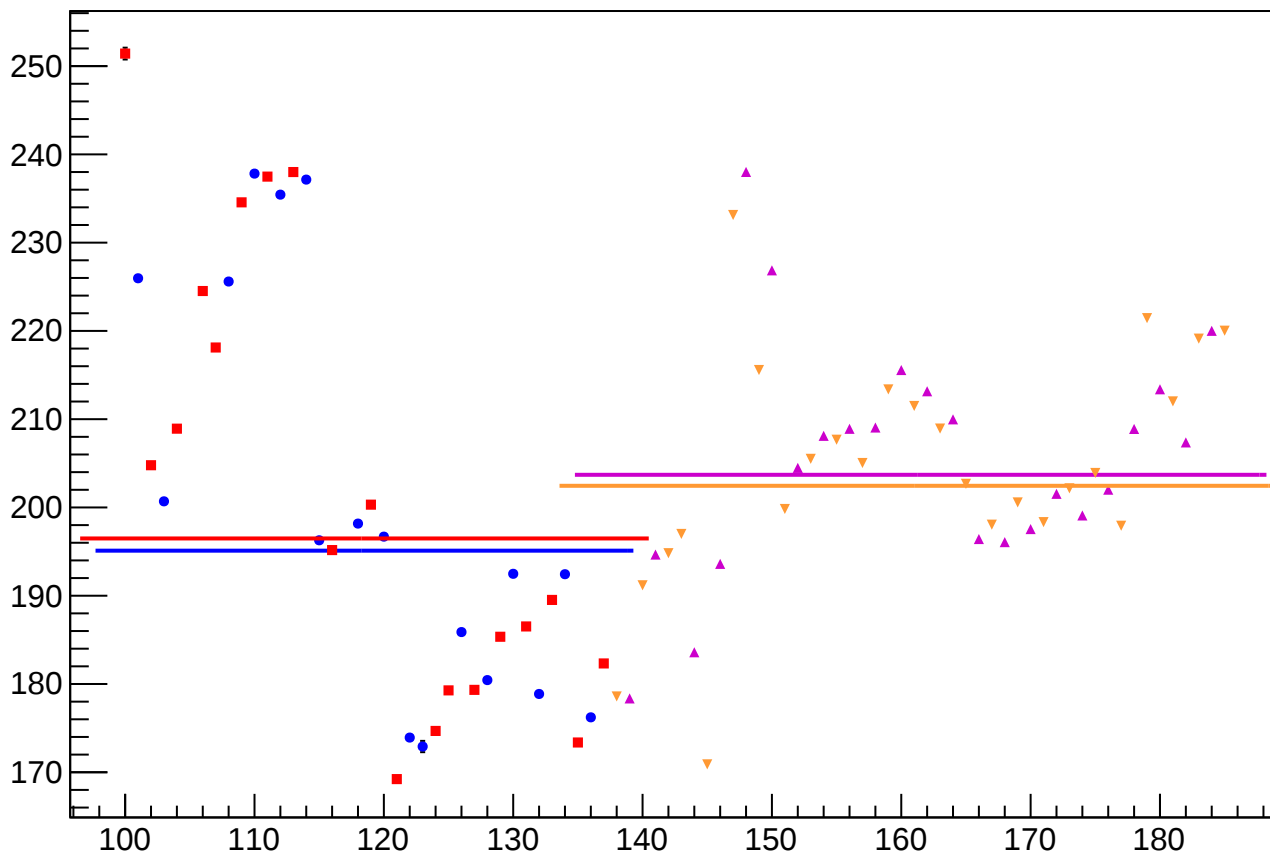
Right: 172.128 $\pm$ 53.211 χ^2 /NDF: 25.5/35

In: -83.839 $\pm$ 41.091 χ^2 /NDF:59.2/39

Out: -178.603 $\pm$ 39.865 χ^2 /NDF:62.7/43

All: -132.657 $\pm$ 28.612 χ^2 /NDF: 124.7/83

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 195.104 ± 0.054 χ^2/NDF : 142538.2/16

Left Out: 202.454 ± 0.033 χ^2/NDF : 158484.0/24

Right Out: 196.488 ± 0.053 χ^2/NDF : 171375.7/18

Left In: 203.699 ± 0.035 χ^2/NDF : 136193.4/22

Left: 203.055 ± 0.024 χ^2/NDF : 295349.8/47

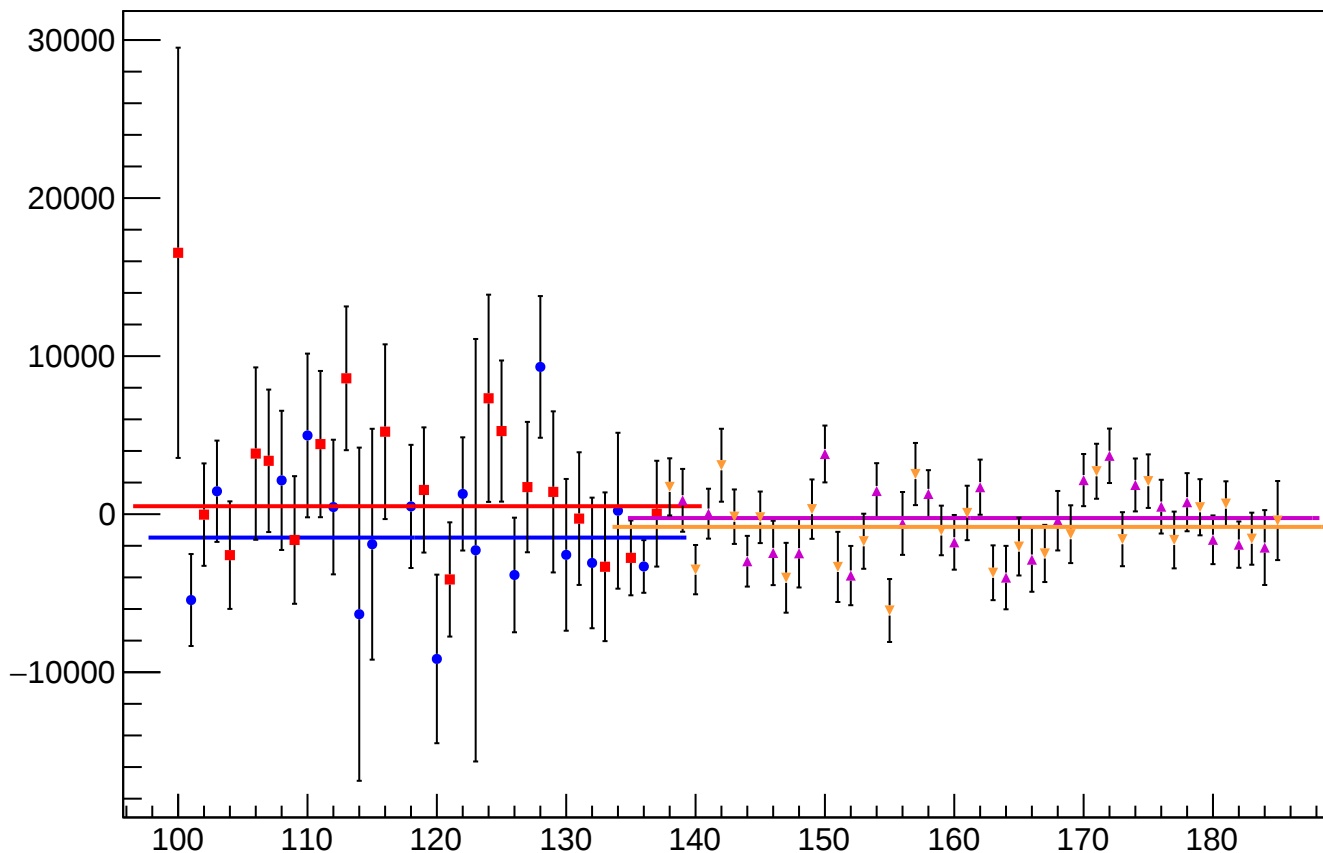
Right: 195.811 ± 0.038 χ^2/NDF : 314251.6/35

In: 201.193 ± 0.029 χ^2/NDF : 296801.5/39

Out: 200.742 ± 0.028 χ^2/NDF : 339024.0/43

All: 200.961 ± 0.020 χ^2/NDF : 635949.8/83

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1480.760 $\pm$ 912.560 χ^2 /NDF: 16.0/16

Left Out: -804.705 $\pm$ 357.905 χ^2 /NDF:35.8/24

Right Out: 503.732 $\pm$ 936.543 χ^2 /NDF: 14.7/18

Left In: -245.102 $\pm$ 369.846 χ^2 /NDF:35.7/22

Left: -534.083 $\pm$ 257.195 χ^2 /NDF: 72.7/47

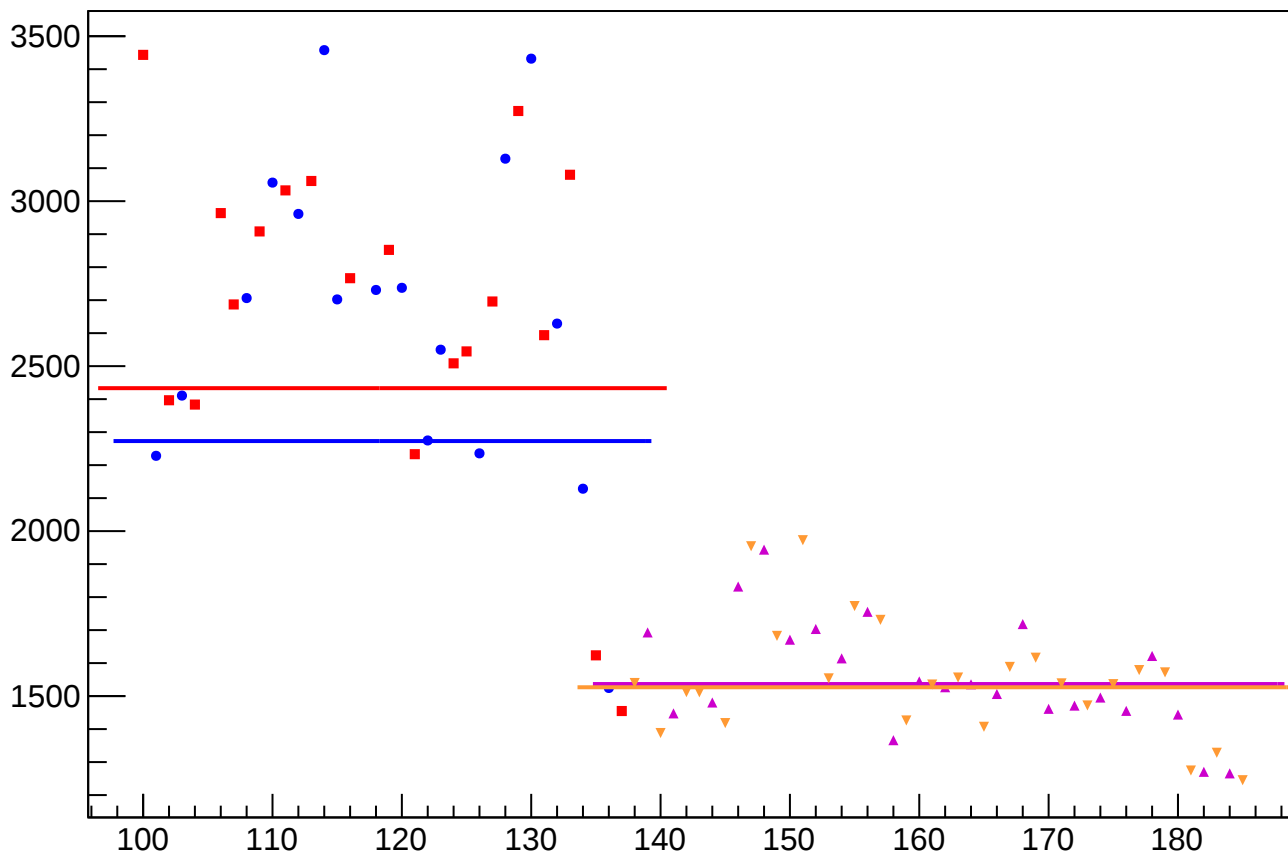
Right: -514.248 $\pm$ 653.591 χ^2 /NDF: 33.0/35

In: -419.431 $\pm$ 342.765 χ^2 /NDF:53.3/39

Out: -637.968 $\pm$ 334.324 χ^2 /NDF:52.3/43

All: -531.423 $\pm$ 239.331 χ^2 /NDF: 105.7/83

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.950+/-0.645 χ^2/NDF : 806901.4/16

Left Out: 1526.749+/-0.253 χ^2/NDF : 394846.7/24

Right Out: 2433.249+/-0.662 χ^2/NDF : 682781.3/18

Left In: 1536.538+/-0.262 χ^2/NDF : 350373.3/22

Left: 1531.483+/-0.182 χ^2/NDF : 745943.6/47

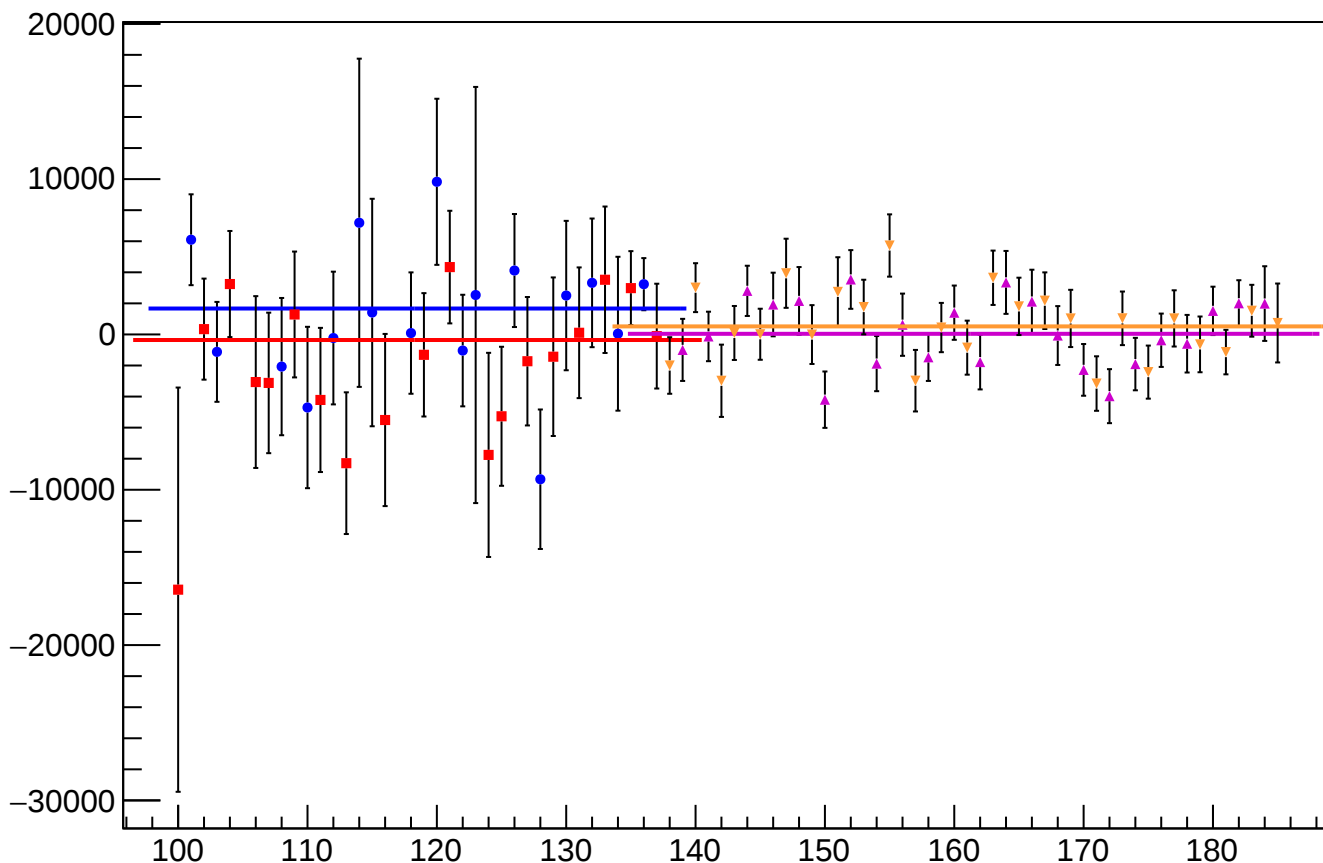
Right: 2351.021+/-0.462 χ^2/NDF : 1519738.5/35

In: 1640.432+/-0.242 χ^2/NDF : 2275942.7/39

Out: 1642.266+/-0.236 χ^2/NDF : 2712599.3/43

All: 1641.372+/-0.169 χ^2/NDF : 4988571.3/83

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1668.629+/-916.594 χ^2/NDF : 16.4/16

Left Out: 517.316+/-361.226 χ^2/NDF : 35.5/24

Right Out: -358.685+/-940.367 χ^2/NDF : 15.1/18

Left In: 40.080+/-373.261 χ^2/NDF : 33.6/22

Left: 286.515+/-259.576 χ^2/NDF : 69.9/47

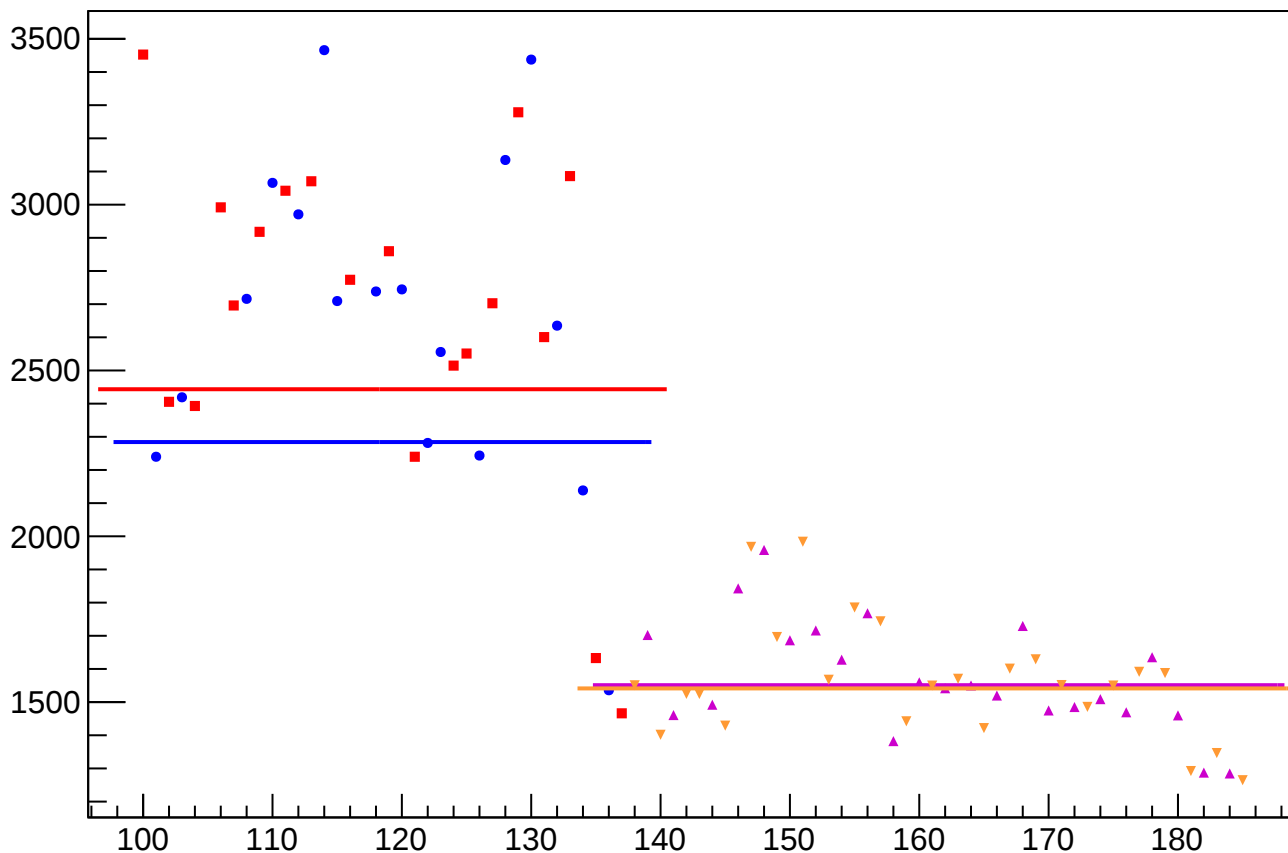
Right: 680.922+/-656.373 χ^2/NDF : 33.9/35

In: 271.732+/-345.696 χ^2/NDF : 52.7/39

Out: 404.675+/-337.203 χ^2/NDF : 51.3/43

All: 339.856+/-241.385 χ^2/NDF : 104.1/83

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.187 $\pm$ 0.648 χ^2 /NDF: 795230.1/16

Left Out: 1541.294 $\pm$ 0.255 χ^2 /NDF: 382004.9/24

Right Out: 2443.443 $\pm$ 0.665 χ^2 /NDF: 674891.8/18

Left In: 1551.063 $\pm$ 0.264 χ^2 /NDF: 338898.9/22

Left: 1546.019 $\pm$ 0.184 χ^2 /NDF: 721611.2/47

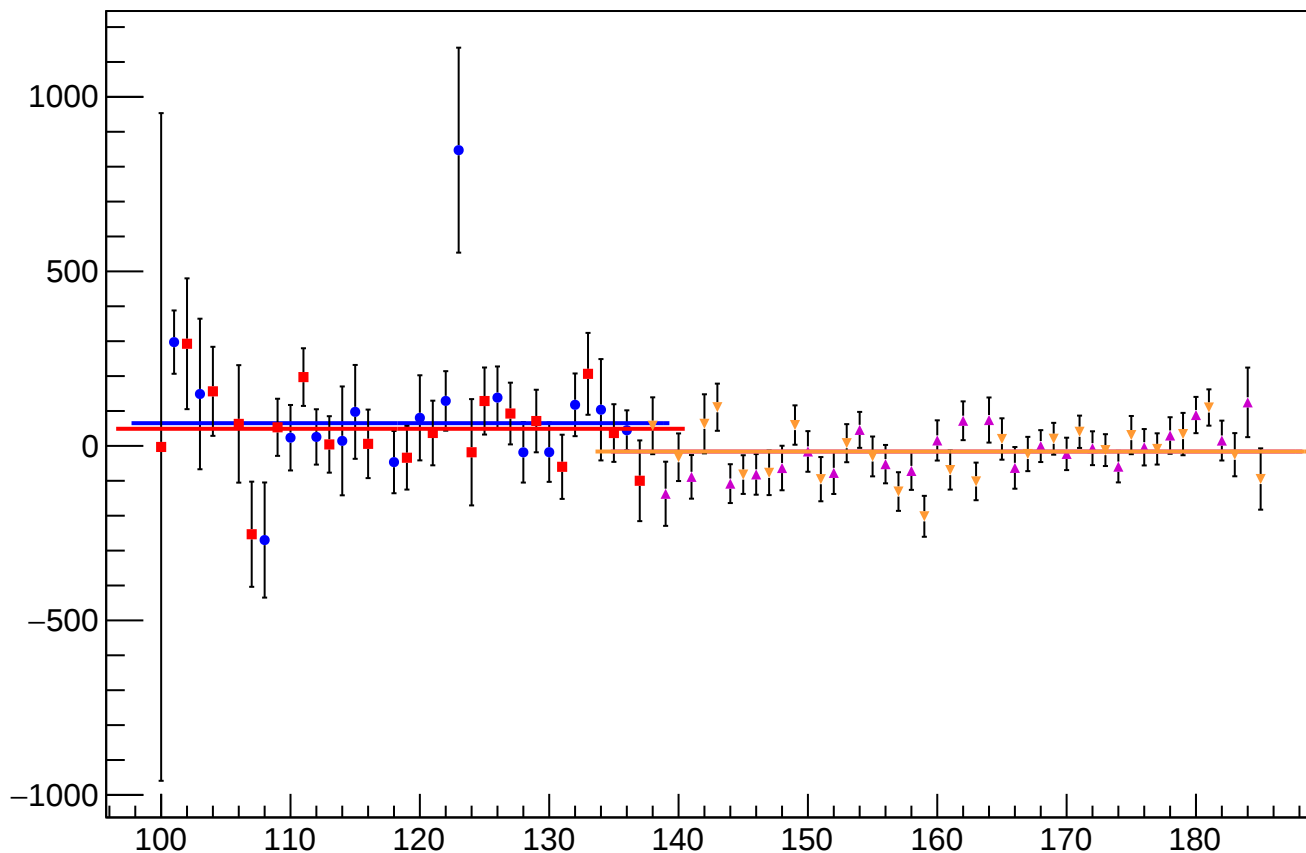
Right: 2361.777 $\pm$ 0.464 χ^2 /NDF: 1499537.3/35

In: 1655.346 $\pm$ 0.244 χ^2 /NDF: 2231604.1/39

Out: 1657.297 $\pm$ 0.238 χ^2 /NDF: 2660943.5/43

All: 1656.346 $\pm$ 0.171 χ^2 /NDF: 4892580.2/83

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 65.082 ± 23.794 χ^2/NDF : 23.8/16

Left Out: -16.104 ± 11.341 χ^2/NDF : 39.7/24

Right Out: 49.027 ± 23.731 χ^2/NDF : 17.1/18

Left In: -16.162 ± 11.649 χ^2/NDF : 25.2/22

Left: -16.132 ± 8.126 χ^2/NDF : 64.9/47

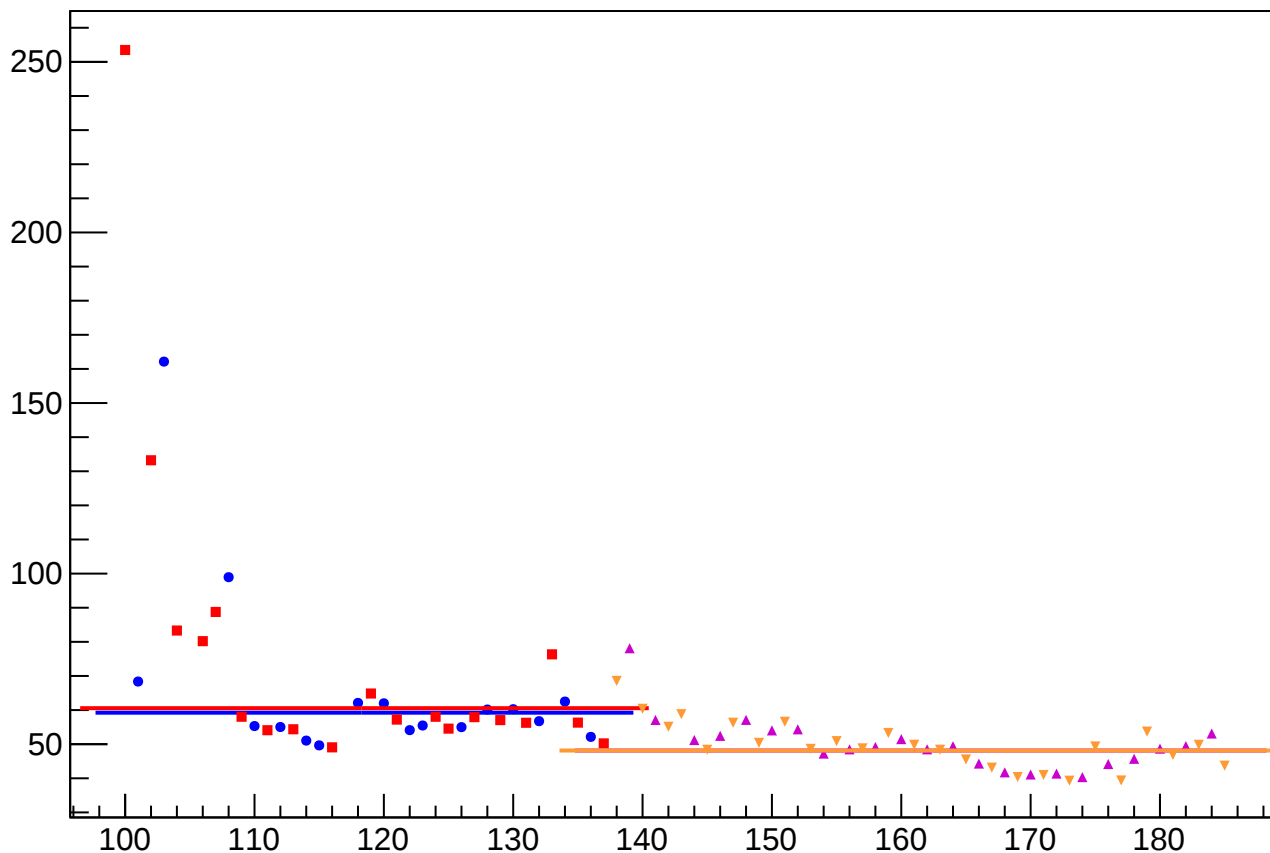
Right: 57.033 ± 16.803 χ^2/NDF : 41.1/35

In: -0.452 ± 10.463 χ^2/NDF : 58.4/39

Out: -3.995 ± 10.233 χ^2/NDF : 62.9/43

All: -2.263 ± 7.316 χ^2/NDF : 121.3/83

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.236 ± 0.017 $\chi^2/\text{NDF}: 665304.8/16$

Left Out: 48.140 ± 0.008 $\chi^2/\text{NDF}: 655204.0/24$

Right Out: 60.558 ± 0.017 $\chi^2/\text{NDF}: 678218.1/18$

Left In: 48.139 ± 0.008 $\chi^2/\text{NDF}: 575025.5/22$

Left: 48.139 ± 0.006 $\chi^2/\text{NDF}: 1230229.5/47$

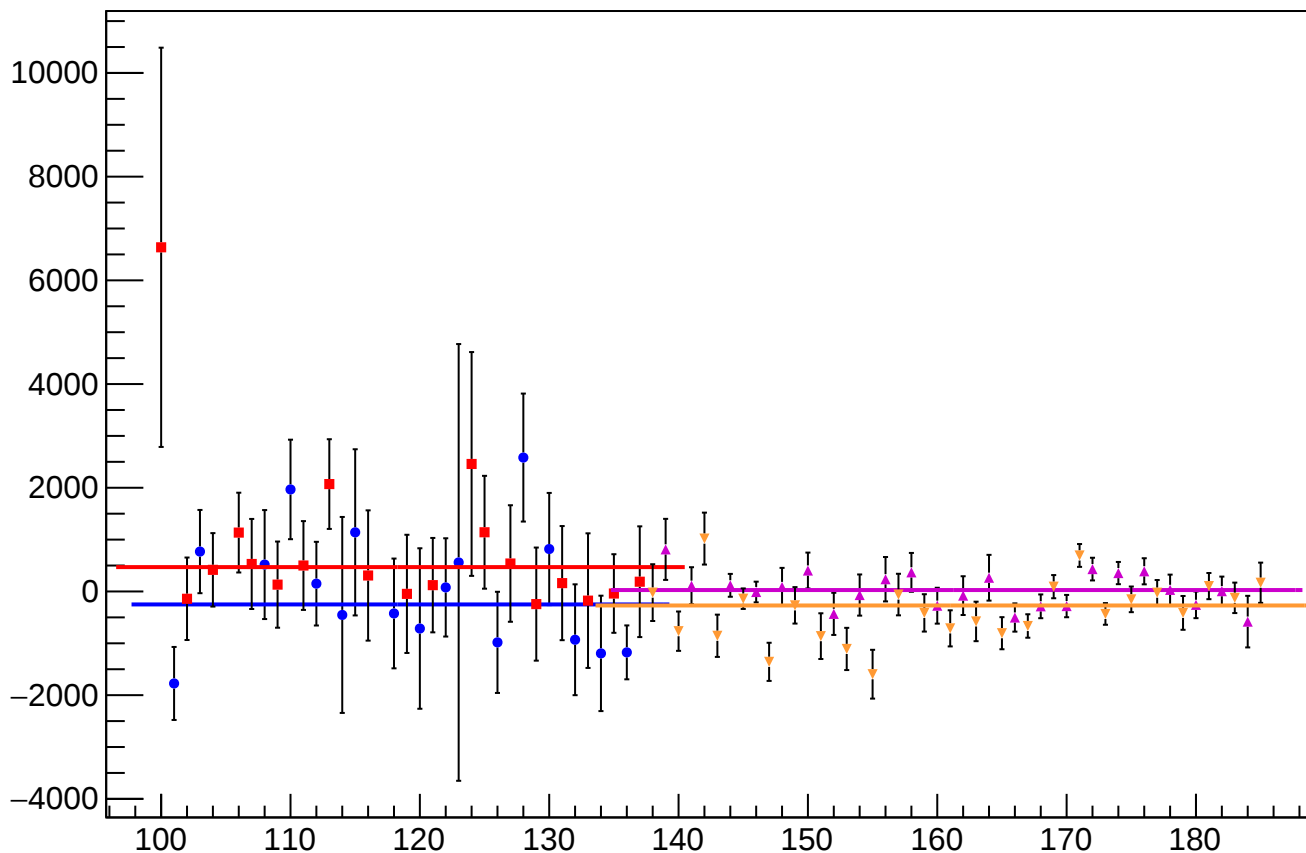
Right: 59.898 ± 0.012 $\chi^2/\text{NDF}: 1346618.9/35$

In: 50.285 ± 0.007 $\chi^2/\text{NDF}: 1591207.0/39$

Out: 50.448 ± 0.007 $\chi^2/\text{NDF}: 1779251.1/43$

All: 50.368 ± 0.005 $\chi^2/\text{NDF}: 3370708.4/83$

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.295 ± 234.463 $\chi^2/\text{NDF}: 24.6/16$

Left Out: -270.235 ± 60.184 $\chi^2/\text{NDF}: 70.1/24$

Right Out: 469.693 ± 222.800 $\chi^2/\text{NDF}: 10.4/18$

Left In: 27.271 ± 60.430 $\chi^2/\text{NDF}: 25.1/22$

Left: -122.090 ± 42.643 $\chi^2/\text{NDF}: 107.3/47$

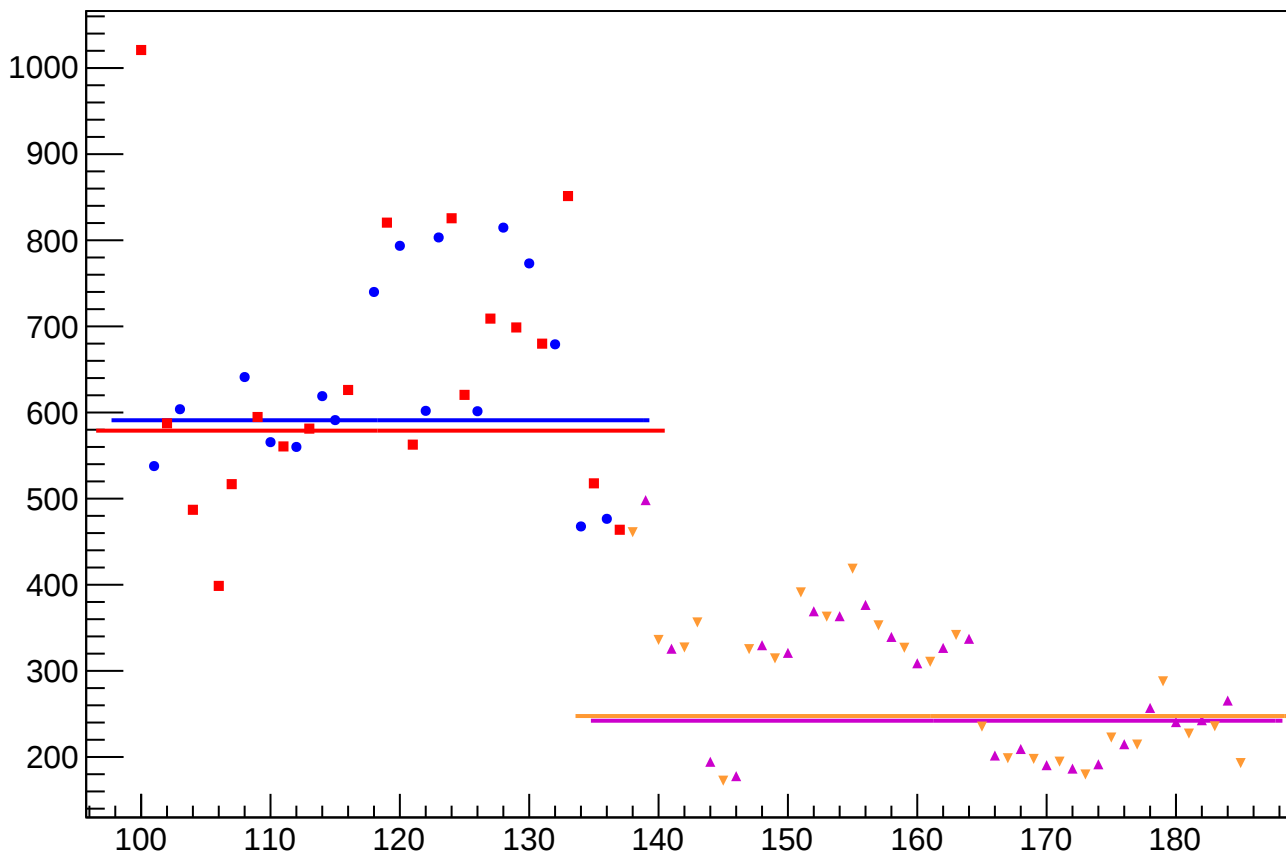
Right: 128.051 ± 161.509 $\chi^2/\text{NDF}: 39.9/35$

In: 9.981 ± 58.518 $\chi^2/\text{NDF}: 50.9/39$

Out: -219.916 ± 58.101 $\chi^2/\text{NDF}: 90.8/43$

All: -105.788 ± 41.230 $\chi^2/\text{NDF}: 149.5/83$

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 591.003 $\pm$ 0.166 χ^2 /NDF: 358207.6/16

Left Out: 247.563 $\pm$ 0.043 χ^2 /NDF: 2781044.2/24

Right Out: 578.937 $\pm$ 0.158 χ^2 /NDF: 496440.2/18

Left In: 242.117 $\pm$ 0.043 χ^2 /NDF: 2466108.9/22

Left: 244.851 $\pm$ 0.030 χ^2 /NDF: 5255308.2/47

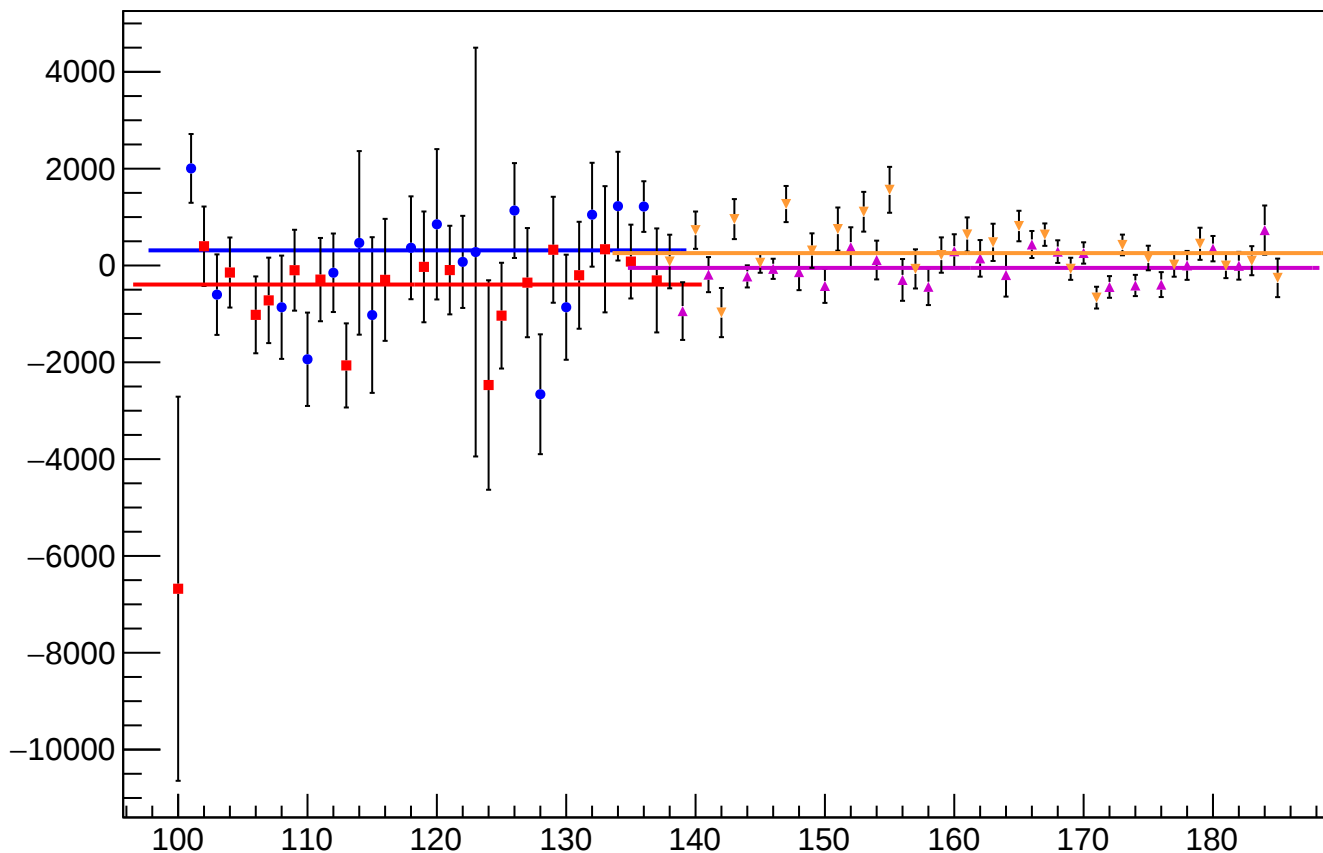
Right: 584.662 $\pm$ 0.114 χ^2 /NDF: 857430.8/35

In: 263.849 $\pm$ 0.041 χ^2 /NDF: 6976881.5/39

Out: 270.098 $\pm$ 0.041 χ^2 /NDF: 7400843.3/43

All: 266.996 $\pm$ 0.029 χ^2 /NDF: 14389208.7/83

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 312.362 ± 236.449 $\chi^2/\text{NDF}: 26.5/16$

Left Out: 255.962 ± 61.425 $\chi^2/\text{NDF}: 63.6/24$

Right Out: -393.265 ± 225.354 $\chi^2/\text{NDF}: 10.8/18$

Left In: -49.832 ± 61.781 $\chi^2/\text{NDF}: 27.5/22$

Left: 103.949 ± 43.559 $\chi^2/\text{NDF}: 103.4/47$

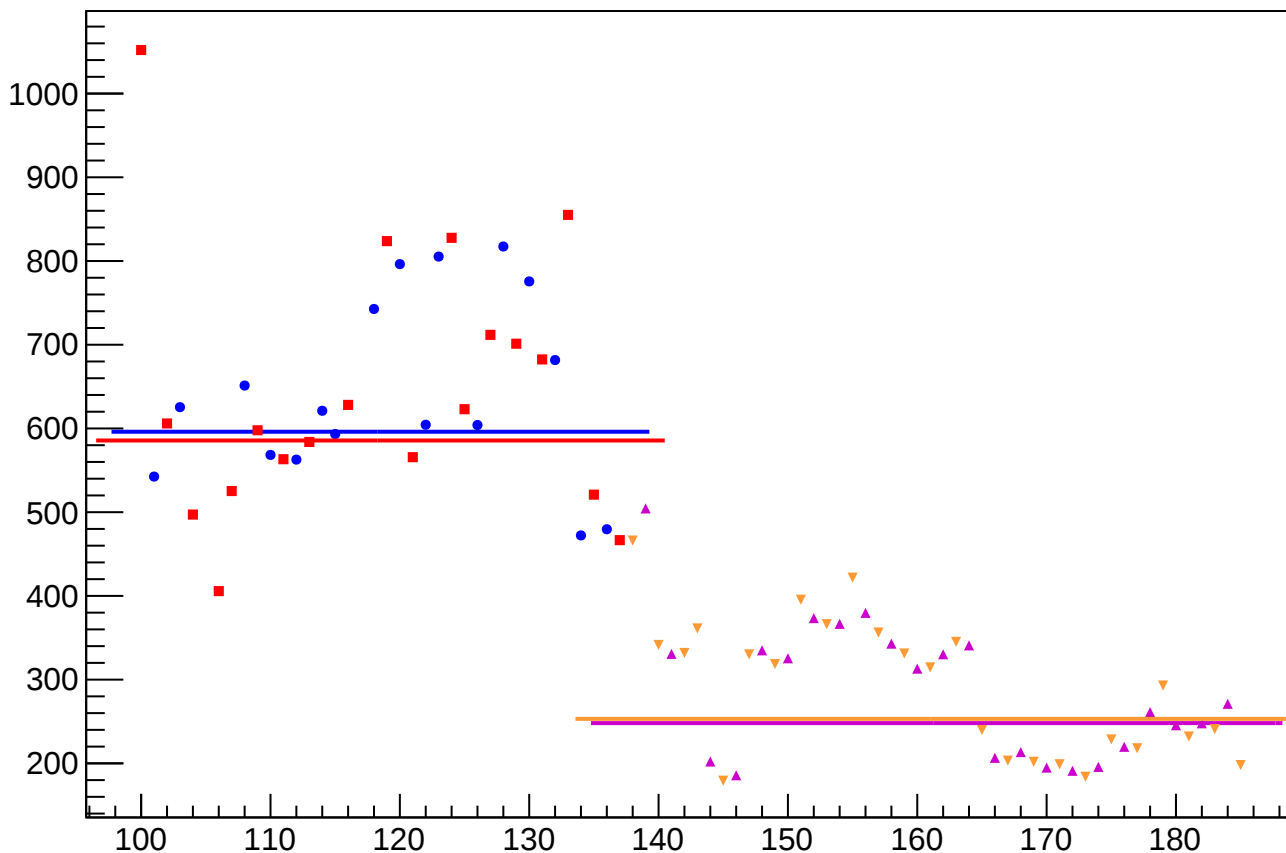
Right: -57.395 ± 163.130 $\chi^2/\text{NDF}: 42.0/35$

In: -26.685 ± 59.774 $\chi^2/\text{NDF}: 56.2/39$

Out: 211.064 ± 59.263 $\chi^2/\text{NDF}: 82.1/43$

All: 93.211 ± 42.085 $\chi^2/\text{NDF}: 146.4/83$

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 596.086 $\pm$ 0.167 χ^2 /NDF: 355935.3/16

Left Out: 253.130 $\pm$ 0.043 χ^2 /NDF: 2666086.2/24

Right Out: 585.628 $\pm$ 0.159 χ^2 /NDF: 476874.8/18

Left In: 248.069 $\pm$ 0.044 χ^2 /NDF: 2343295.0/22

Left: 250.614 $\pm$ 0.031 χ^2 /NDF: 5016130.5/47

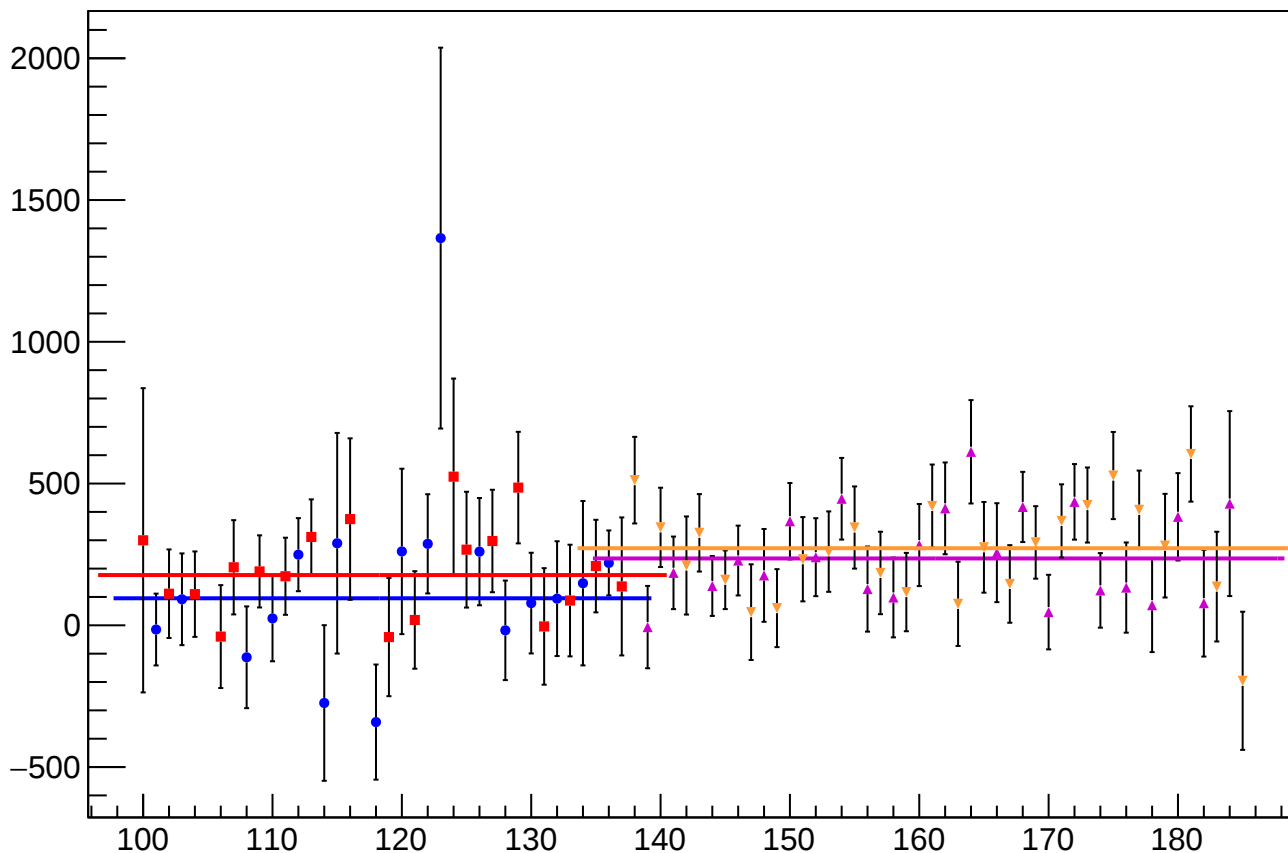
Right: 590.606 $\pm$ 0.115 χ^2 /NDF: 834860.2/35

In: 270.310 $\pm$ 0.042 χ^2 /NDF: 6755024.9/39

Out: 276.124 $\pm$ 0.042 χ^2 /NDF: 7195778.9/43

All: 273.242 $\pm$ 0.030 χ^2 /NDF: 13960347.1/83

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 95.316+/-43.397 χ^2/NDF : 17.9/16

Left Out: 271.894+/-29.223 χ^2/NDF : 27.6/24

Right Out: 177.269+/-41.181 χ^2/NDF : 10.5/18

Left In: 235.801+/-30.232 χ^2/NDF : 24.6/22

Left: 254.460+/-21.012 χ^2/NDF : 53.0/47

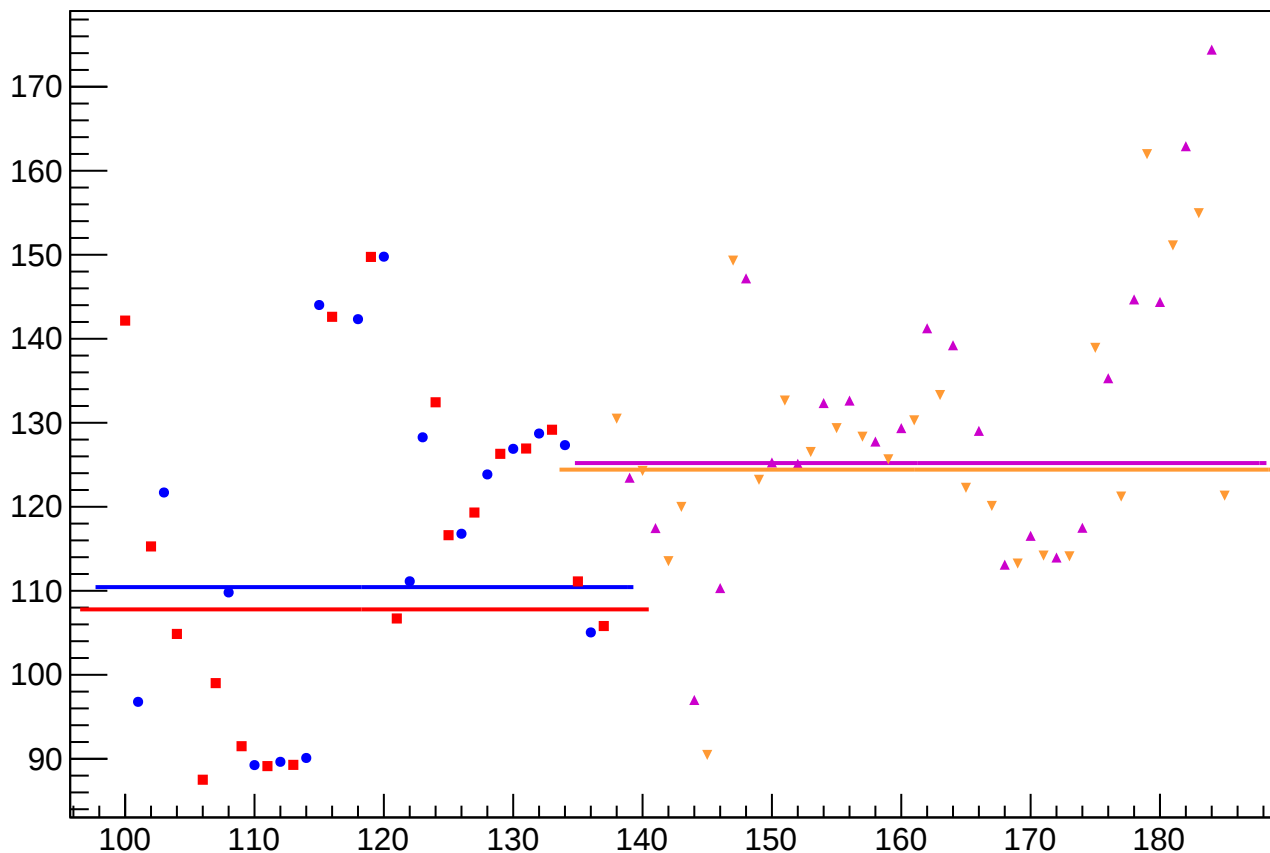
Right: 138.437+/-29.872 χ^2/NDF : 30.3/35

In: 189.900+/-24.806 χ^2/NDF : 49.6/39

Out: 240.203+/-23.833 χ^2/NDF : 41.7/43

All: 216.057+/-17.186 χ^2/NDF : 93.4/83

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.439 $\pm$ 0.031 χ^2/NDF : 296029.7/16

Left Out: 124.423 $\pm$ 0.021 χ^2/NDF : 539275.2/24

Right Out: 107.787 $\pm$ 0.029 χ^2/NDF : 346139.4/18

Left In: 125.205 $\pm$ 0.021 χ^2/NDF : 501388.2/22

Left: 124.801 $\pm$ 0.015 χ^2/NDF : 1041355.0/47

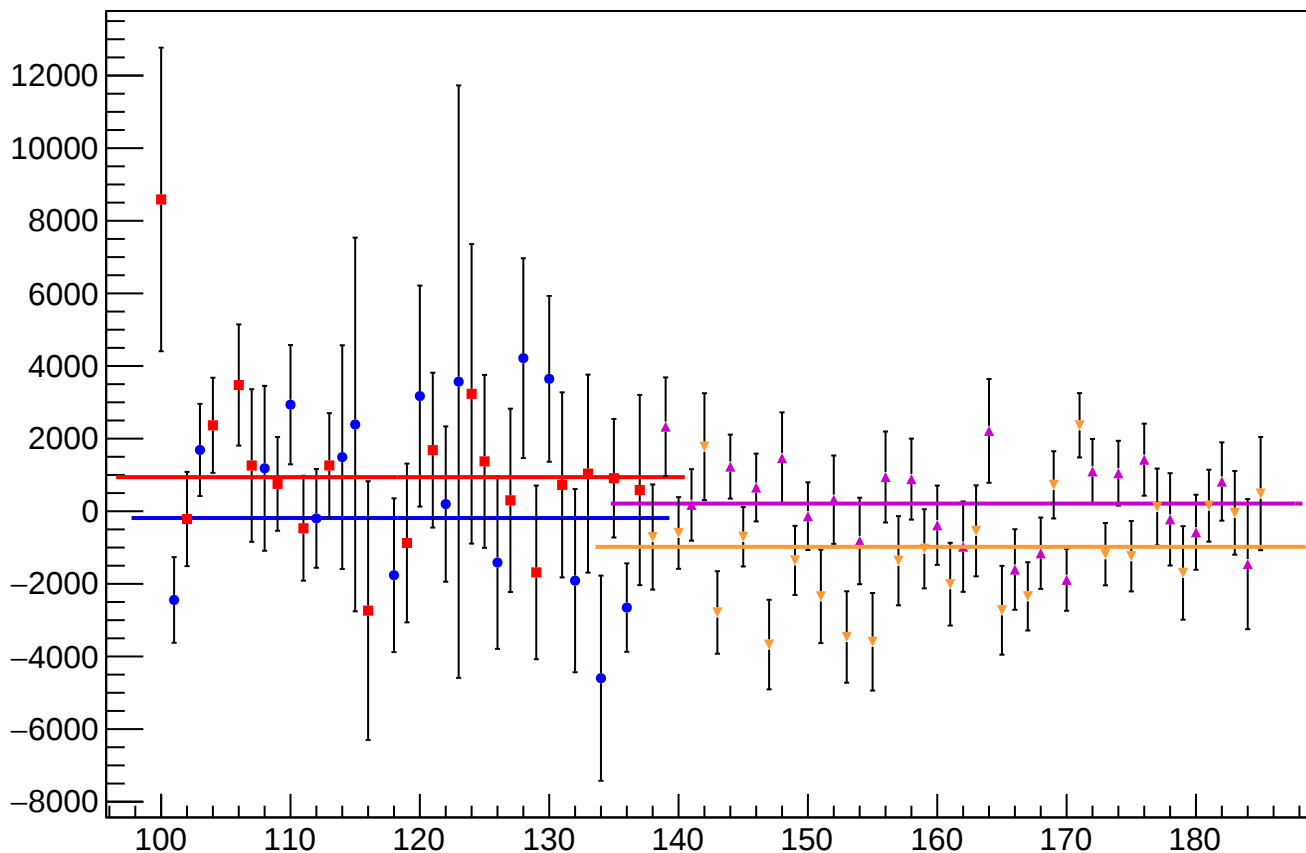
Right: 109.044 $\pm$ 0.021 χ^2/NDF : 646100.5/35

In: 120.381 $\pm$ 0.018 χ^2/NDF : 953305.3/39

Out: 118.851 $\pm$ 0.017 χ^2/NDF : 1102492.8/43

All: 119.585 $\pm$ 0.012 χ^2/NDF : 2059750.4/83

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -186.780 $\pm$ 465.749 χ^2 /NDF: 25.0/16

Left Out: -980.732 $\pm$ 218.045 χ^2 /NDF: 47.3/24

Right Out: 939.774 $\pm$ 435.810 χ^2 /NDF: 12.2/18

Left In: 211.420 $\pm$ 223.296 χ^2 /NDF: 25.7/22

Left: -398.838 $\pm$ 156.005 χ^2 /NDF: 87.5/47

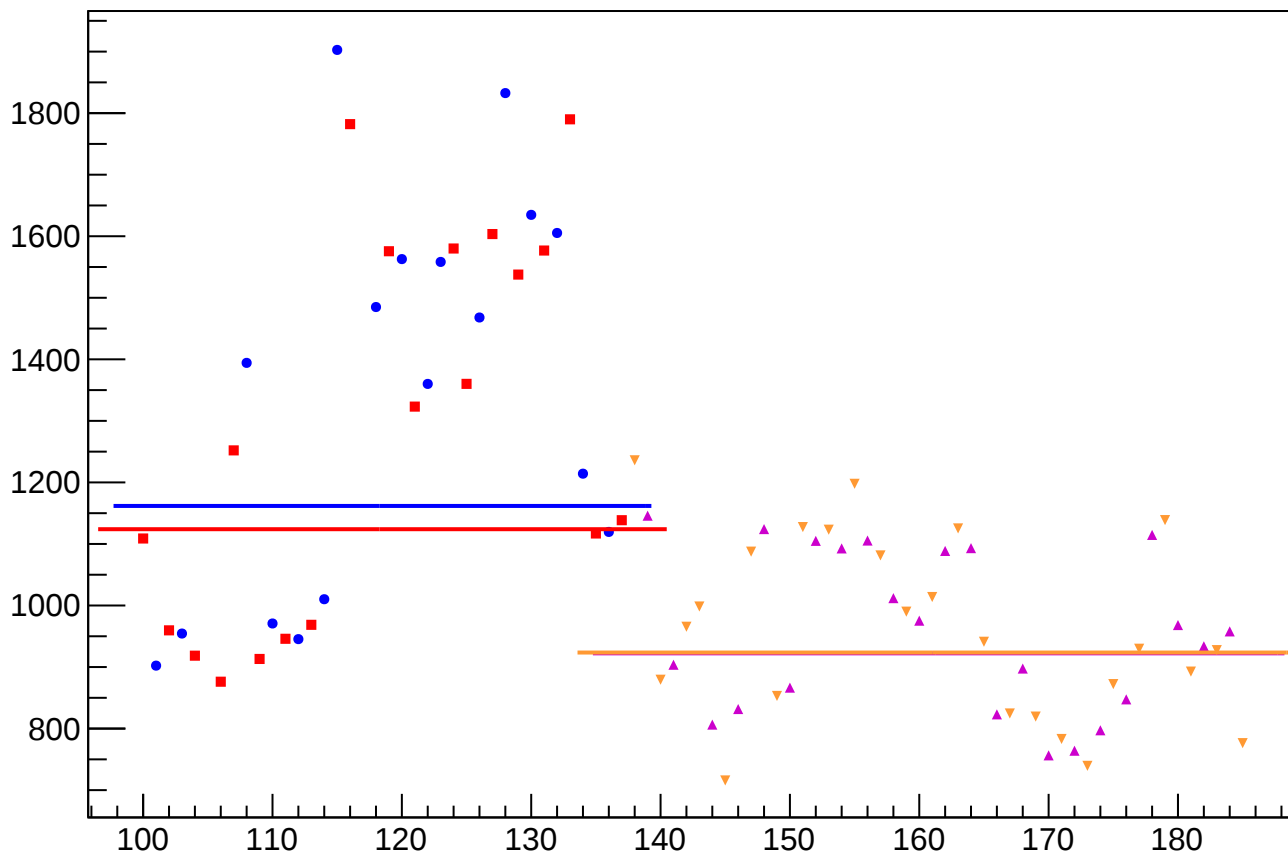
Right: 413.866 $\pm$ 318.222 χ^2 /NDF: 40.3/35

In: 136.998 $\pm$ 201.351 χ^2 /NDF: 51.3/39

Out: -596.235 $\pm$ 195.001 χ^2 /NDF: 75.0/43

All: -241.364 $\pm$ 140.078 χ^2 /NDF: 133.1/83

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.775 $\pm$ 0.329 χ^2 /NDF: 701230.3/16

Left Out: 923.571 $\pm$ 0.154 χ^2 /NDF: 842753.4/24

Right Out: 1123.975 $\pm$ 0.308 χ^2 /NDF: 769570.1/18

Left In: 922.245 $\pm$ 0.158 χ^2 /NDF: 634712.1/22

Left: 922.924 $\pm$ 0.110 χ^2 /NDF: 1477501.6/47

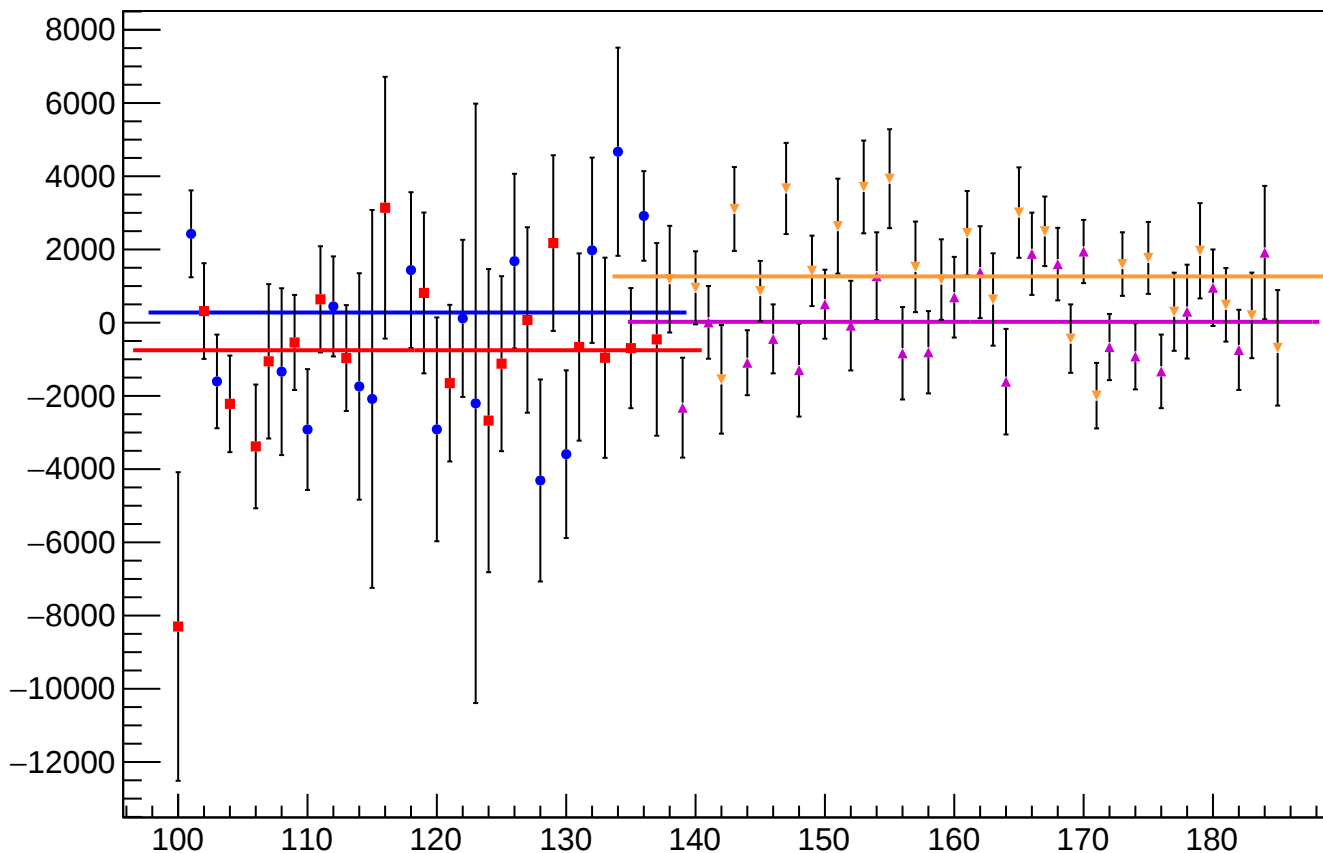
Right: 1141.621 $\pm$ 0.225 χ^2 /NDF: 1477824.2/35

In: 967.013 $\pm$ 0.142 χ^2 /NDF: 1766062.1/39

Out: 963.693 $\pm$ 0.138 χ^2 /NDF: 1950563.9/43

All: 965.300 $\pm$ 0.099 χ^2 /NDF: 3716906.6/83

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 277.871 $\pm$ 468.037 χ^2 /NDF: 25.3/16

Left Out: 1264.112 $\pm$ 220.158 χ^2 /NDF:45.1/24

Right Out: -752.527 $\pm$ 438.192 χ^2 /NDF: 12.2/18

Left In: 23.478 $\pm$ 225.490 χ^2 /NDF:27.2/22

Left: 658.638 $\pm$ 157.526 χ^2 /NDF: 87.7/47

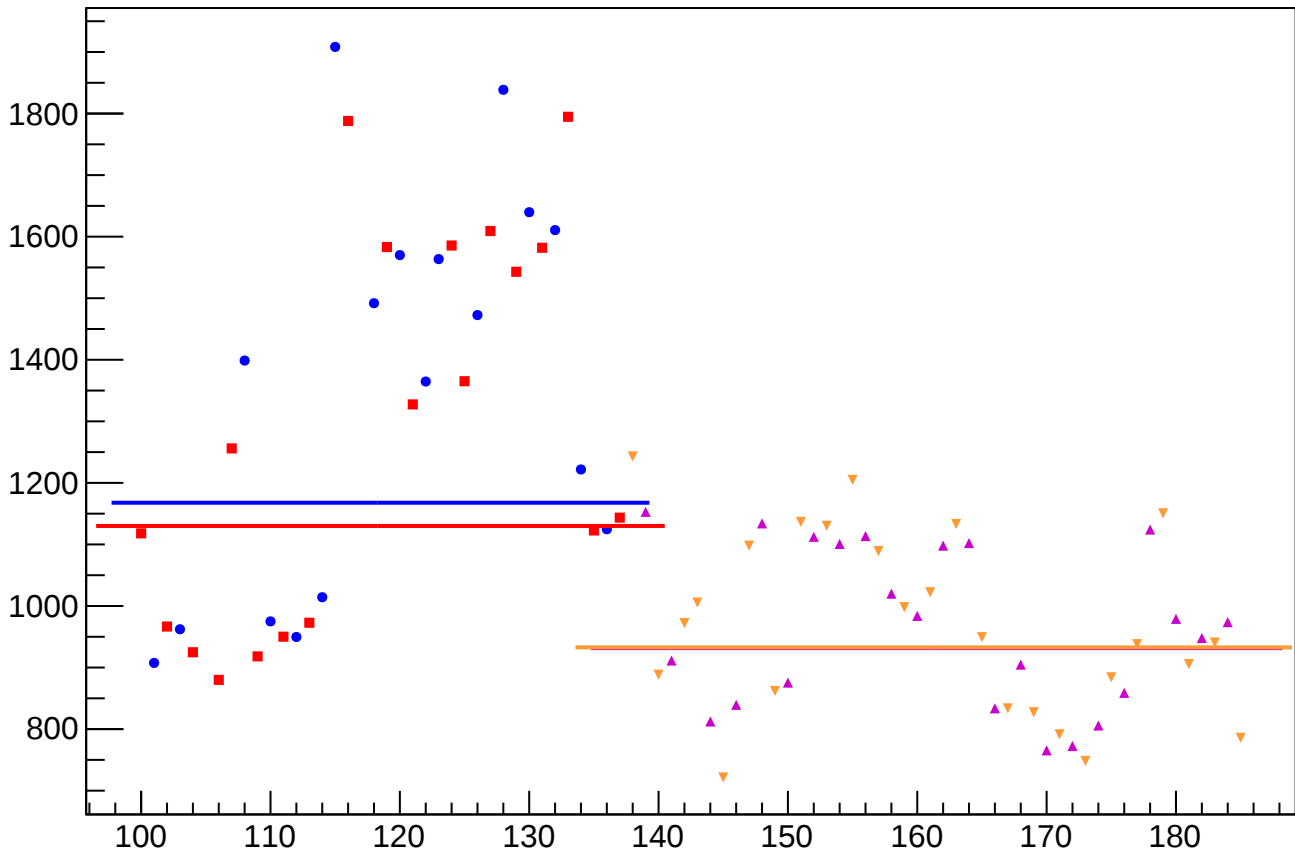
Right: -271.224 $\pm$ 319.880 χ^2 /NDF: 40.1/35

In: 71.402 $\pm$ 203.143 χ^2 /NDF:52.7/39

Out: 857.656 $\pm$ 196.724 χ^2 /NDF:74.2/43

All: 477.148 $\pm$ 141.320 χ^2 /NDF: 134.6/83

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.786 $\pm$ 0.331 χ^2/NDF : 695715.2/16

Left Out: 932.748 $\pm$ 0.156 χ^2/NDF : 829788.1/24

Right Out: 1130.045 $\pm$ 0.310 χ^2/NDF : 763293.9/18

Left In: 931.493 $\pm$ 0.159 χ^2/NDF : 624436.4/22

Left: 932.135 $\pm$ 0.111 χ^2/NDF : 1454256.2/47

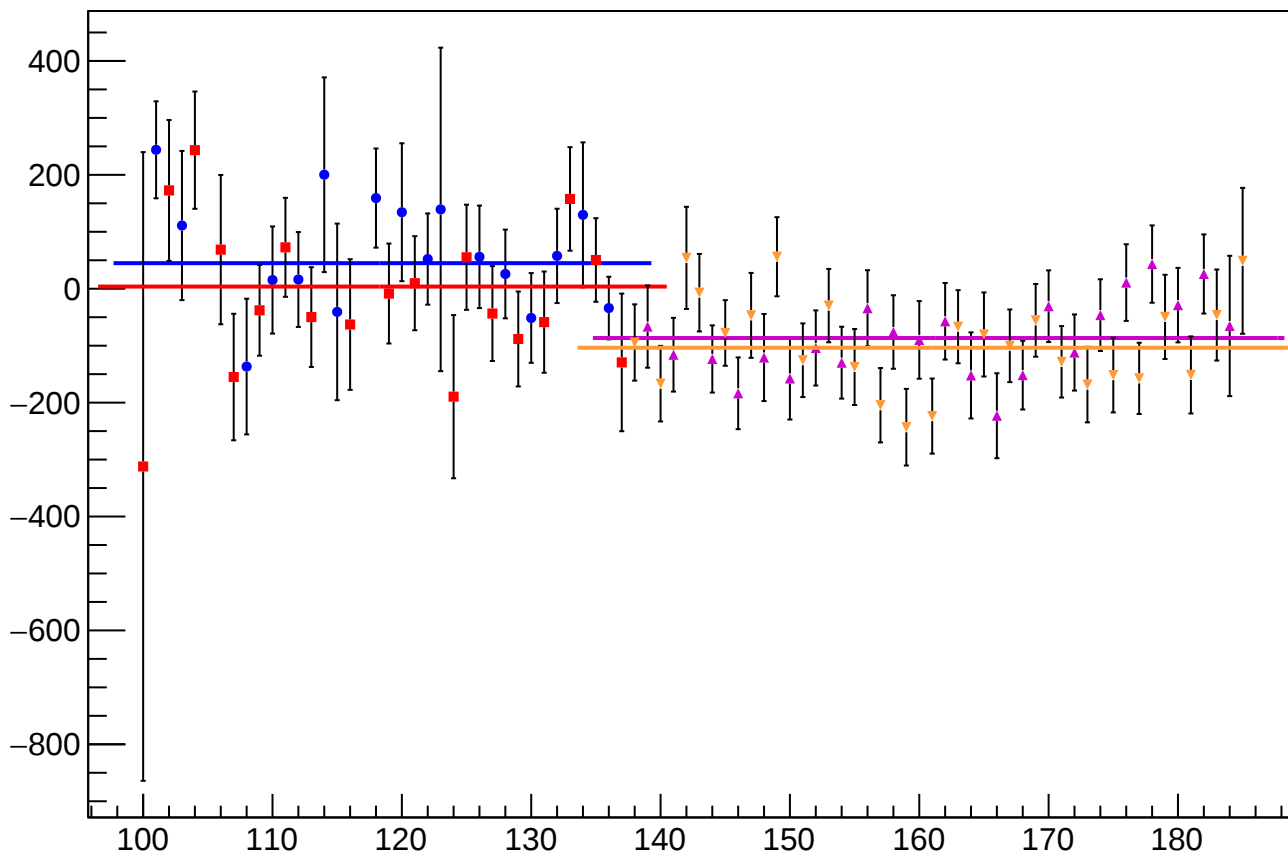
Right: 1147.674 $\pm$ 0.226 χ^2/NDF : 1465939.2/35

In: 976.007 $\pm$ 0.144 χ^2/NDF : 1733888.4/39

Out: 972.513 $\pm$ 0.139 χ^2/NDF : 1916817.8/43

All: 974.204 $\pm$ 0.100 χ^2/NDF : 3651011.5/83

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 44.919+/-22.614 χ^2/NDF : 15.9/16

Left Out: -103.585+/-13.644 χ^2/NDF :30.1/24

Right Out: 3.849+/-22.193 χ^2/NDF : 20.2/18

Left In: -86.542+/-14.120 χ^2/NDF :21.4/22

Left: -95.356+/-9.812 χ^2/NDF : 52.3/47

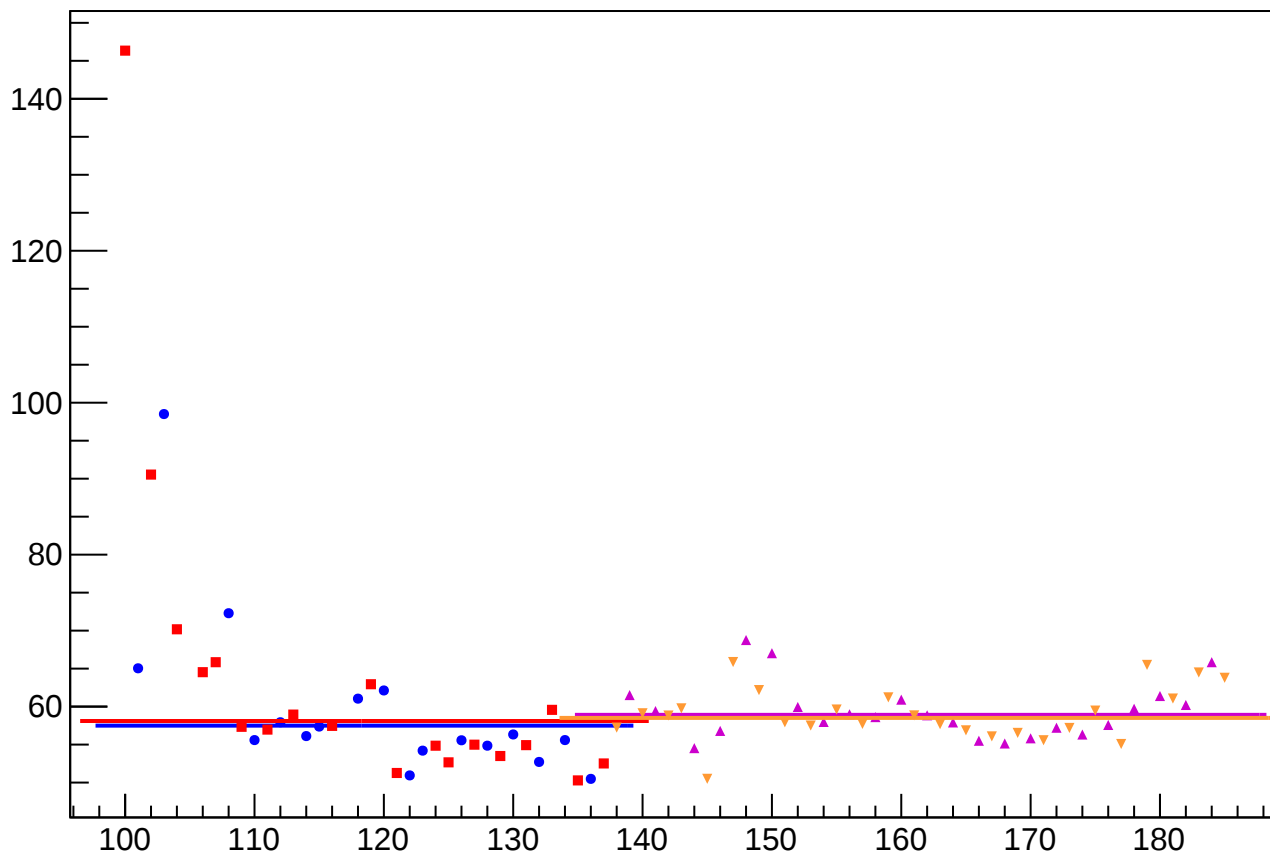
Right: 23.998+/-15.840 χ^2/NDF : 37.7/35

In: -49.668+/-11.977 χ^2/NDF :61.6/39

Out: -74.118+/-11.623 χ^2/NDF :67.3/43

All: -62.260+/-8.341 χ^2/NDF : 131.0/83

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.495 $\pm$ 0.016 χ^2 /NDF: 306695.7/16

Left Out: 58.511 $\pm$ 0.010 χ^2 /NDF:123097.7/24

Right Out: 58.105 $\pm$ 0.016 χ^2 /NDF: 298191.3/18

Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

Left: 58.706 $\pm$ 0.007 χ^2 /NDF: 233904.1/47

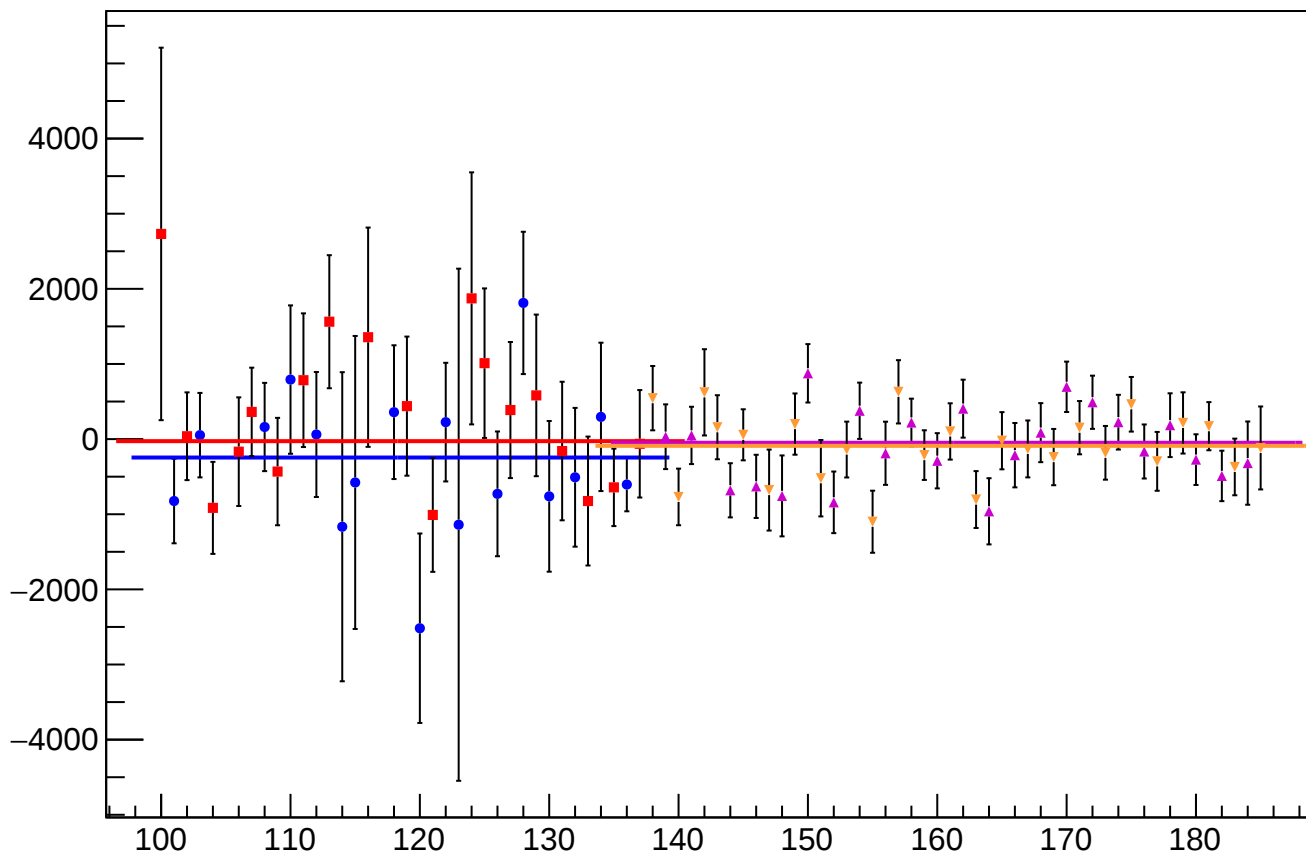
Right: 57.806 $\pm$ 0.011 χ^2 /NDF: 605627.5/35

In: 58.516 $\pm$ 0.008 χ^2 /NDF:422324.6/39

Out: 58.400 $\pm$ 0.008 χ^2 /NDF:421776.4/43

All: 58.456 $\pm$ 0.006 χ^2 /NDF: 844197.2/83

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -245.129+/-184.410 χ^2/NDF : 14.1/16

Left Out: -89.597+/-78.569 χ^2/NDF : 27.9/24

Right Out: -27.129+/-182.149 χ^2/NDF : 16.2/18

Left In: -48.742+/-80.548 χ^2/NDF : 35.3/22

Left: -69.678+/-56.243 χ^2/NDF : 63.4/47

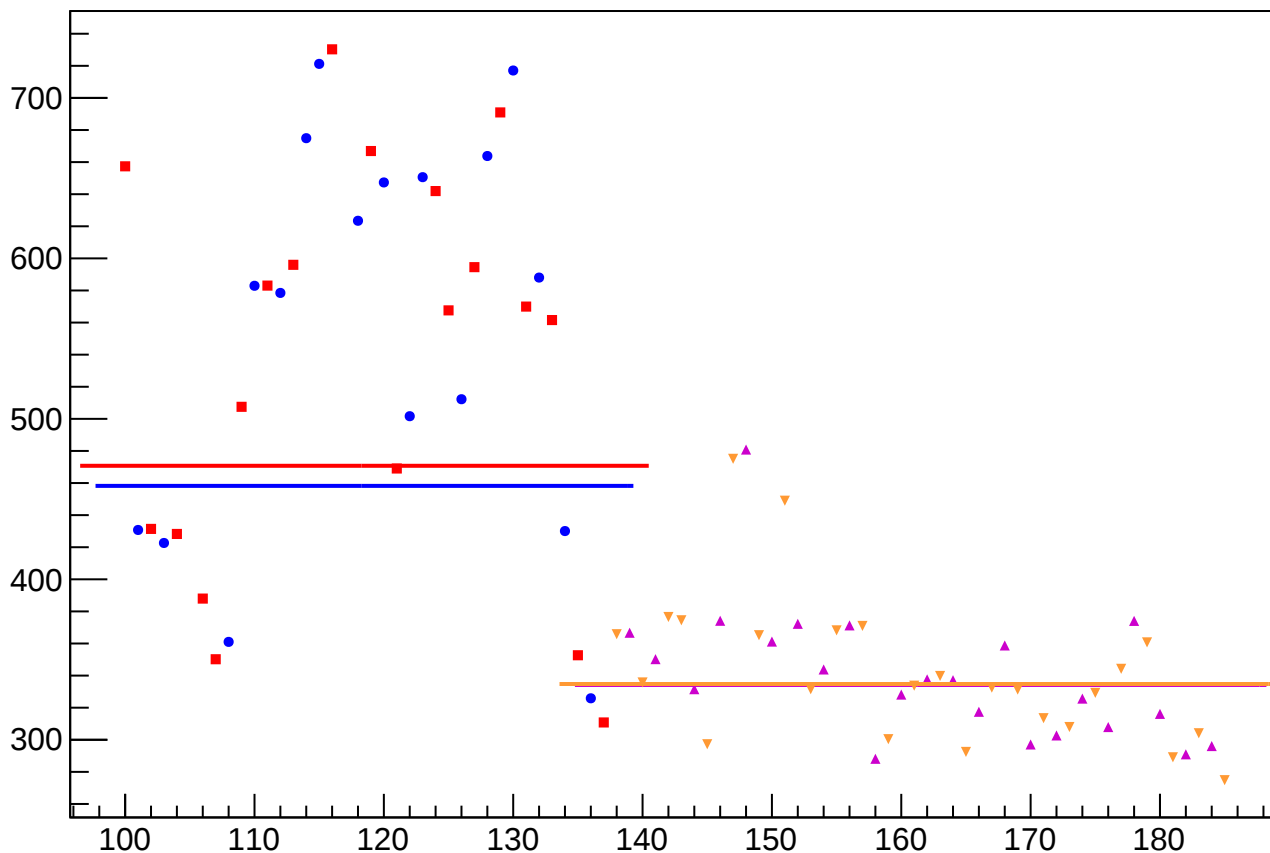
Right: -134.785+/-129.591 χ^2/NDF : 31.1/35

In: -80.206+/-73.814 χ^2/NDF : 50.4/39

Out: -79.798+/-72.144 χ^2/NDF : 44.3/43

All: -79.997+/-51.594 χ^2/NDF : 94.7/83

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.231+/-0.130 χ^2/NDF : 879276.8/16

Left Out: 334.762+/-0.056 χ^2/NDF : 491198.2/24

Right Out: 470.751+/-0.129 χ^2/NDF : 781964.3/18

Left In: 334.147+/-0.057 χ^2/NDF : 397200.6/22

Left: 334.462+/-0.040 χ^2/NDF : 888458.8/47

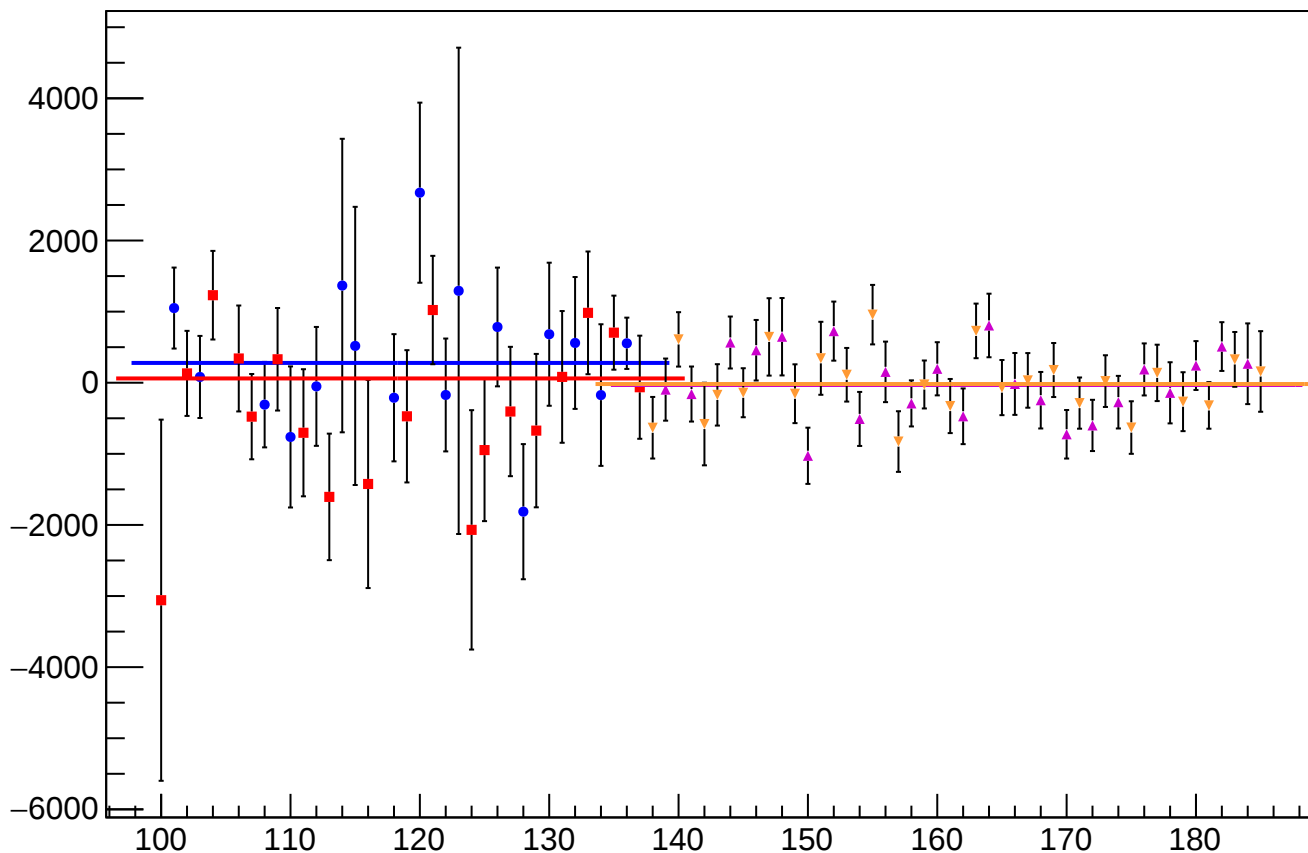
Right: 464.568+/-0.092 χ^2/NDF : 1665907.4/35

In: 354.027+/-0.052 χ^2/NDF : 2036916.0/39

Out: 356.095+/-0.051 χ^2/NDF : 2213045.3/43

All: 355.085+/-0.036 χ^2/NDF : 4250764.4/83

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 278.553 $\pm$ 186.587 χ^2 /NDF: 15.0/16

Left Out: -18.271 $\pm$ 79.825 χ^2 /NDF:27.5/24

Right Out: 60.303 $\pm$ 184.397 χ^2 /NDF: 19.4/18

Left In: -31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

Left: -24.867 $\pm$ 57.144 χ^2 /NDF: 61.5/47

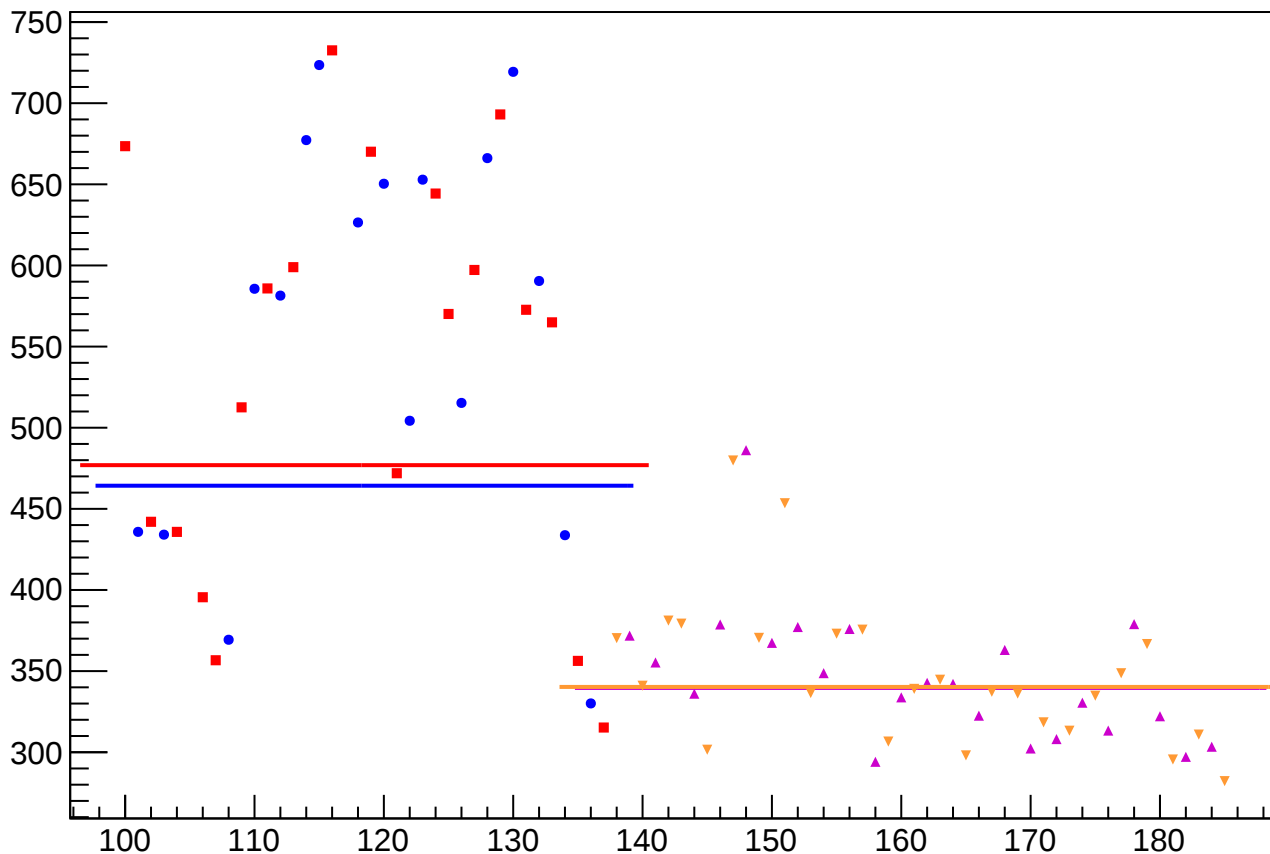
Right: 168.140 $\pm$ 131.156 χ^2 /NDF: 35.1/35

In: 18.273 $\pm$ 74.947 χ^2 /NDF:51.4/39

Out: -5.870 $\pm$ 73.255 χ^2 /NDF:47.0/43

All: 5.926 $\pm$ 52.387 χ^2 /NDF: 98.4/83

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.257 $\pm$ 0.132 χ^2 /NDF: 847933.8/16

Left Out: 340.251 $\pm$ 0.056 χ^2 /NDF: 468714.5/24

Right Out: 476.925 $\pm$ 0.130 χ^2 /NDF: 752685.6/18

Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

Left: 339.944 $\pm$ 0.040 χ^2 /NDF: 848583.2/47

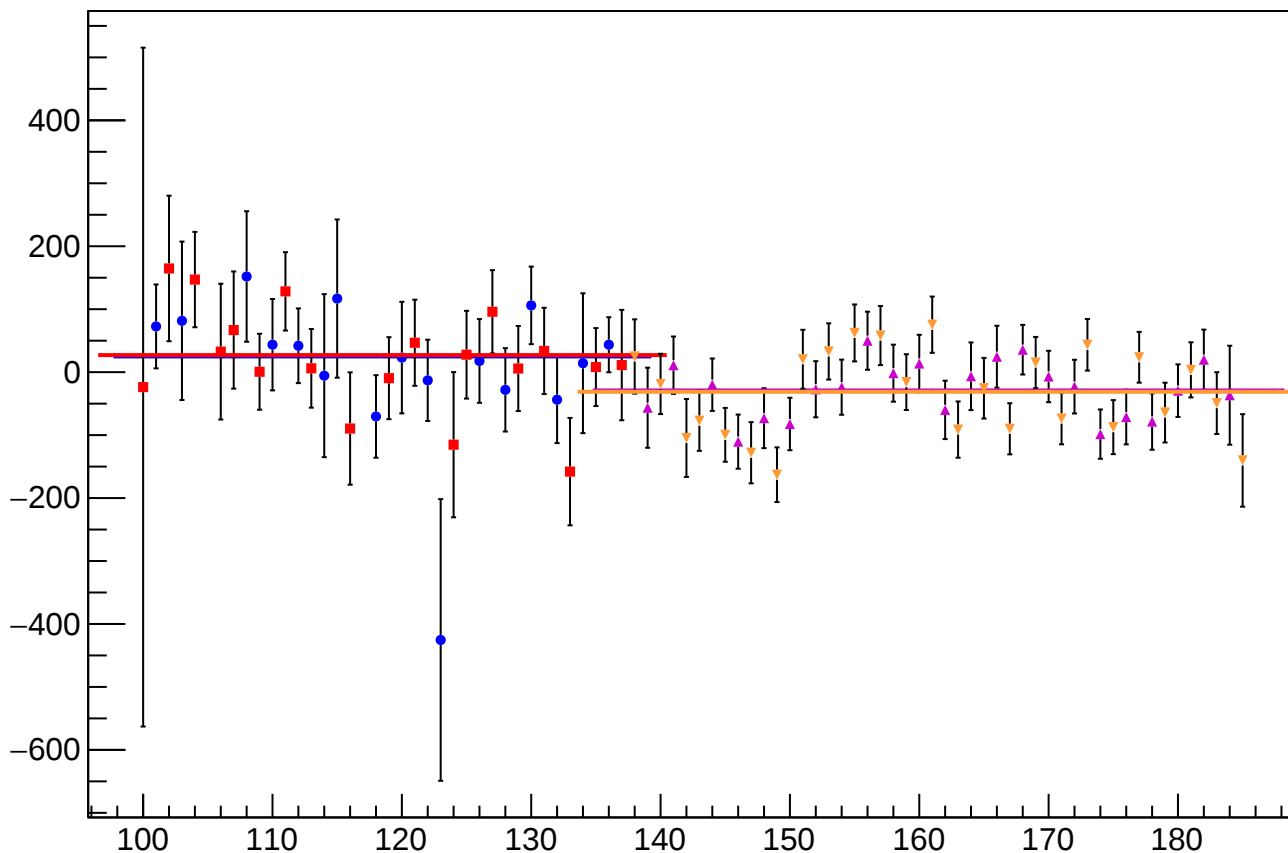
Right: 470.666 $\pm$ 0.093 χ^2 /NDF: 1605283.8/35

In: 359.730 $\pm$ 0.053 χ^2 /NDF: 1976148.8/39

Out: 361.821 $\pm$ 0.052 χ^2 /NDF: 2146739.6/43

All: 360.799 $\pm$ 0.037 χ^2 /NDF: 4123684.5/83

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.974 $\pm$ 17.871 χ^2 /NDF: 13.0/16

Left Out: -31.152 $\pm$ 9.171 χ^2 /NDF:52.6/24

Right Out: 27.097 $\pm$ 17.436 χ^2 /NDF: 16.7/18

Left In: -29.055 $\pm$ 9.449 χ^2 /NDF:22.4/22

Left: -30.135 $\pm$ 6.581 χ^2 /NDF: 75.1/47

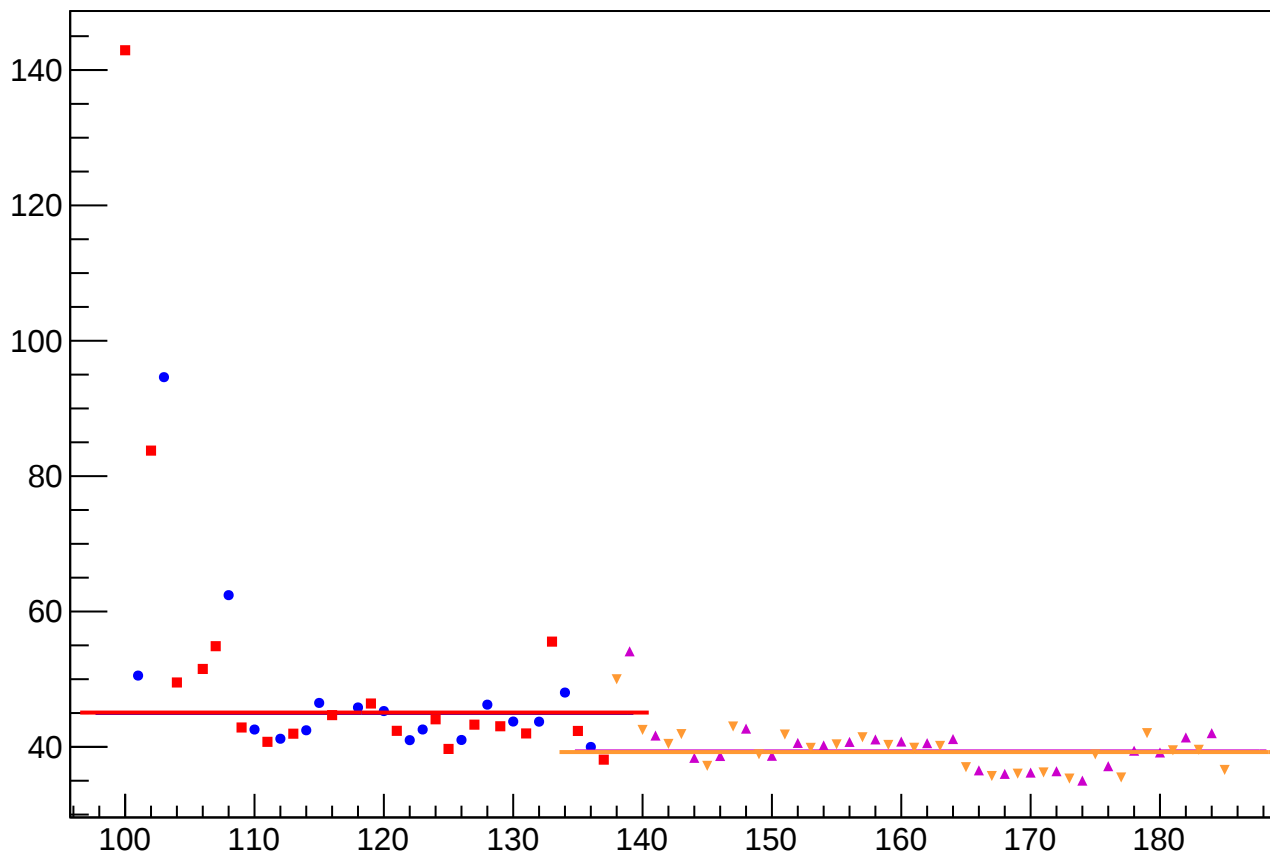
Right: 26.062 $\pm$ 12.480 χ^2 /NDF: 29.8/35

In: -17.250 $\pm$ 8.354 χ^2 /NDF:42.6/39

Out: -18.530 $\pm$ 8.117 χ^2 /NDF:78.1/43

All: -17.909 $\pm$ 5.821 χ^2 /NDF: 120.7/83

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.010 $\pm$ 0.013 χ^2/NDF : 438252.0/16

Left Out: 39.235 $\pm$ 0.006 χ^2/NDF : 201957.7/24

Right Out: 45.070 $\pm$ 0.012 χ^2/NDF : 413668.1/18

Left In: 39.338 $\pm$ 0.007 χ^2/NDF : 215671.3/22

Left: 39.285 $\pm$ 0.005 χ^2/NDF : 417752.5/47

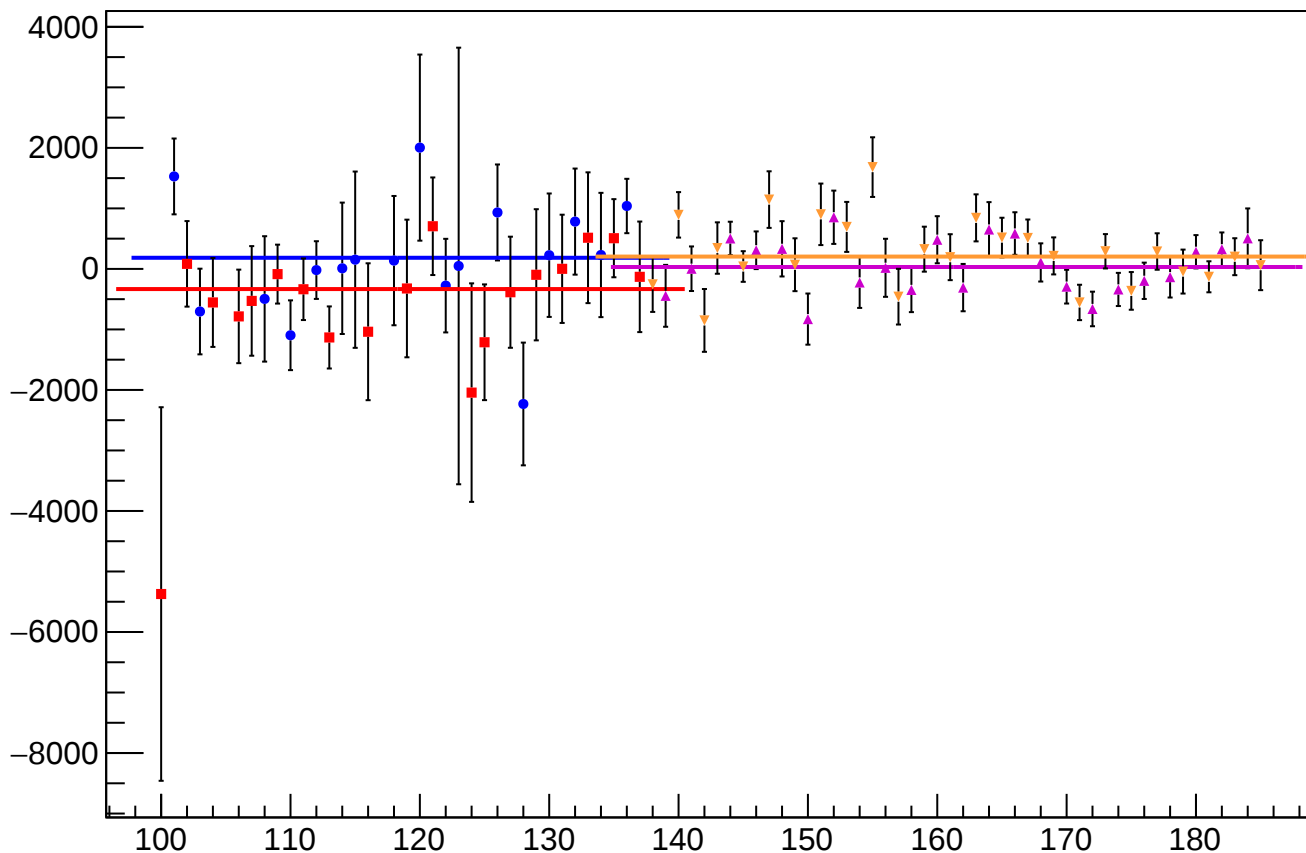
Right: 45.041 $\pm$ 0.009 χ^2/NDF : 851931.9/35

In: 40.577 $\pm$ 0.006 χ^2/NDF : 811326.4/39

Out: 40.499 $\pm$ 0.006 χ^2/NDF : 791093.3/43

All: 40.537 $\pm$ 0.004 χ^2/NDF : 1602509.7/83

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.085+/-189.043 χ^2/NDF : 24.2/16

Left Out: 203.771+/-70.436 χ^2/NDF : 44.8/24

Right Out: -333.044+/-179.692 χ^2/NDF : 12.5/18

Left In: 31.548+/-72.100 χ^2/NDF : 33.4/22

Left: 119.670+/-50.384 χ^2/NDF : 81.1/47

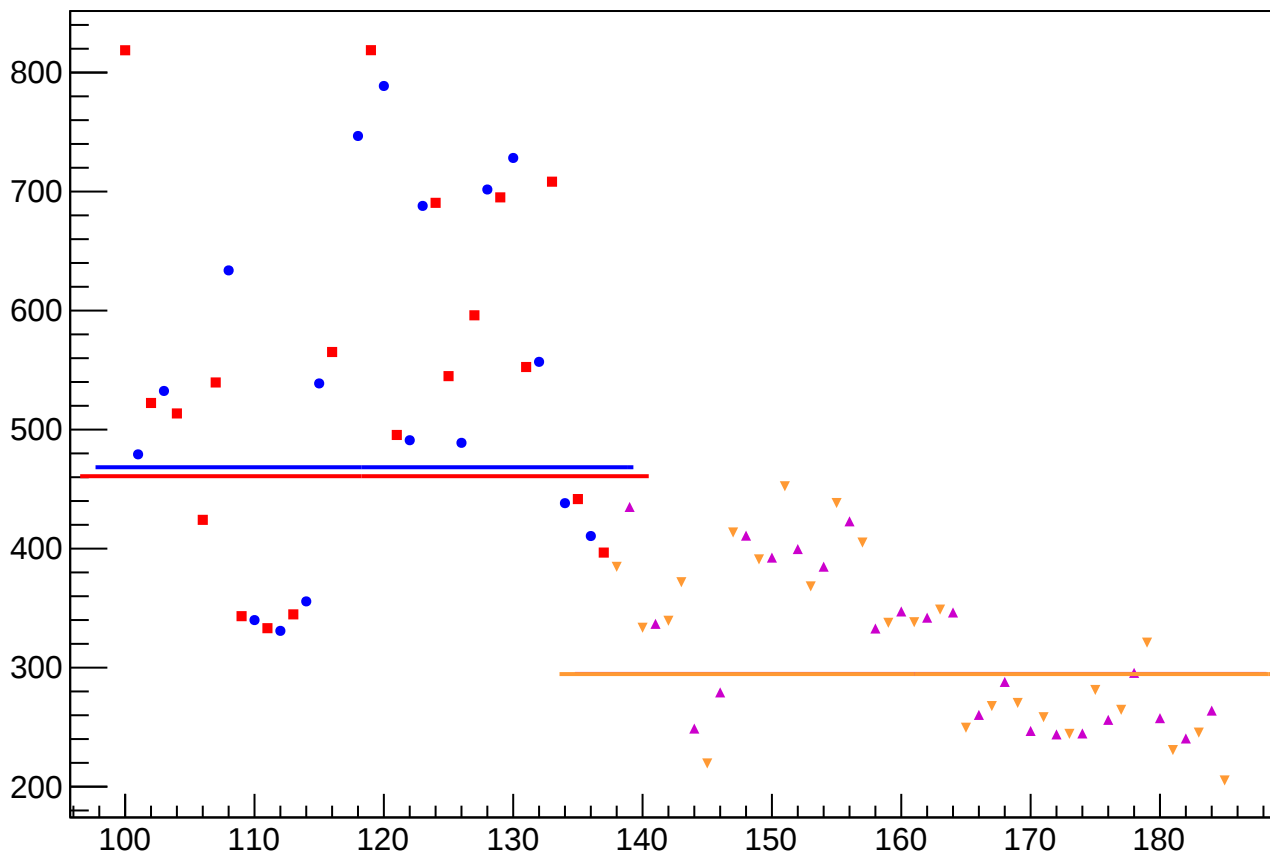
Right: -87.586+/-130.242 χ^2/NDF : 40.6/35

In: 50.919+/-67.367 χ^2/NDF : 58.1/39

Out: 132.275+/-65.578 χ^2/NDF : 65.1/43

All: 92.691+/-46.990 χ^2/NDF : 123.9/83

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.371 $\pm$ 0.134 χ^2 /NDF: 883769.0/16

Left Out: 294.596 $\pm$ 0.050 χ^2 /NDF: 1680584.6/24

Right Out: 460.849 $\pm$ 0.127 χ^2 /NDF: 958126.5/18

Left In: 294.722 $\pm$ 0.051 χ^2 /NDF: 1297310.3/22

Left: 294.657 $\pm$ 0.036 χ^2 /NDF: 2977898.1/47

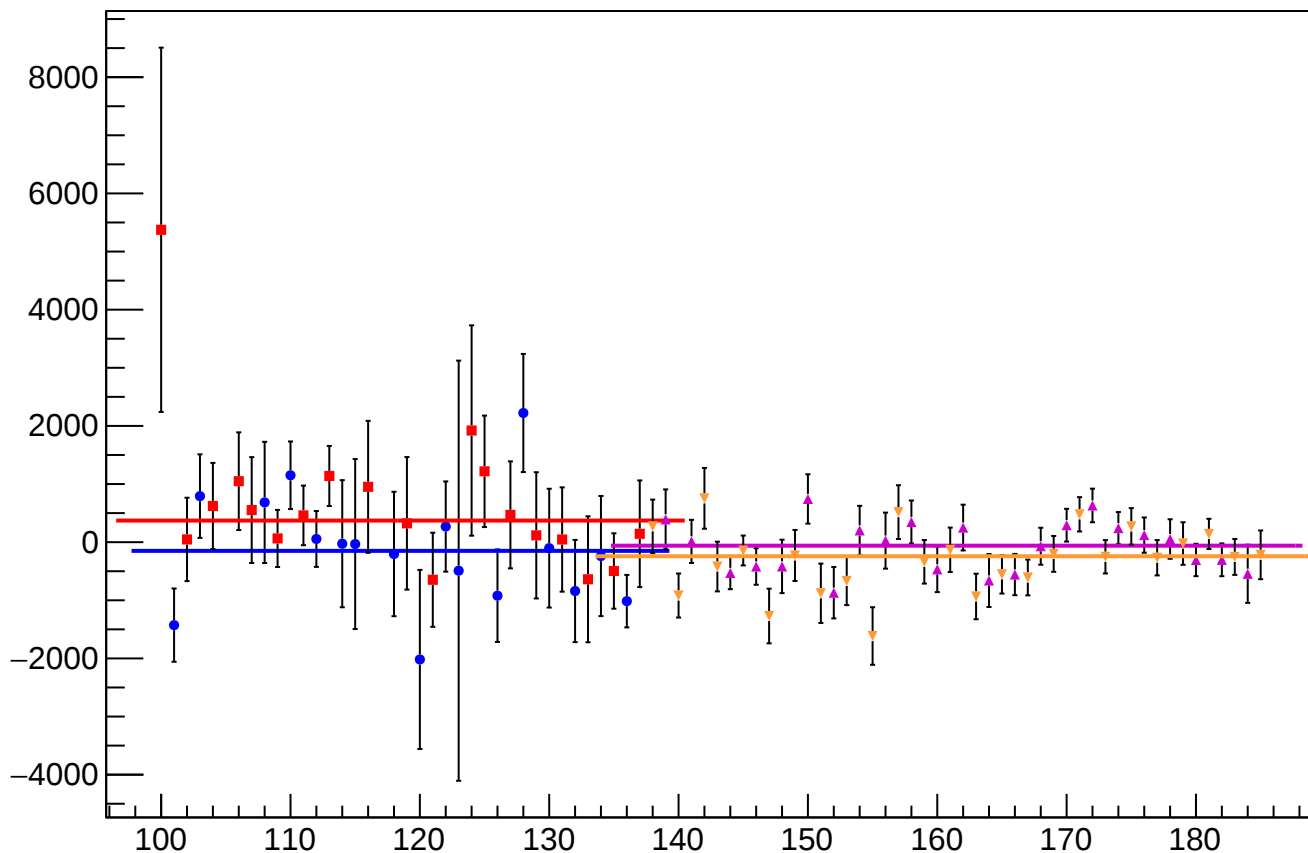
Right: 464.419 $\pm$ 0.092 χ^2 /NDF: 1843559.5/35

In: 316.774 $\pm$ 0.048 χ^2 /NDF: 3654324.3/39

Out: 316.739 $\pm$ 0.046 χ^2 /NDF: 4122719.0/43

All: 316.756 $\pm$ 0.033 χ^2 /NDF: 7777043.6/83

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -149.502 ± 190.216 χ^2/NDF : 24.1/16

Left Out: -241.867 ± 71.111 χ^2/NDF : 42.9/24

Right Out: 371.735 ± 181.576 χ^2/NDF : 12.5/18

Left In: -60.330 ± 72.788 χ^2/NDF : 30.9/22

Left: -153.214 ± 50.866 χ^2/NDF : 77.0/47

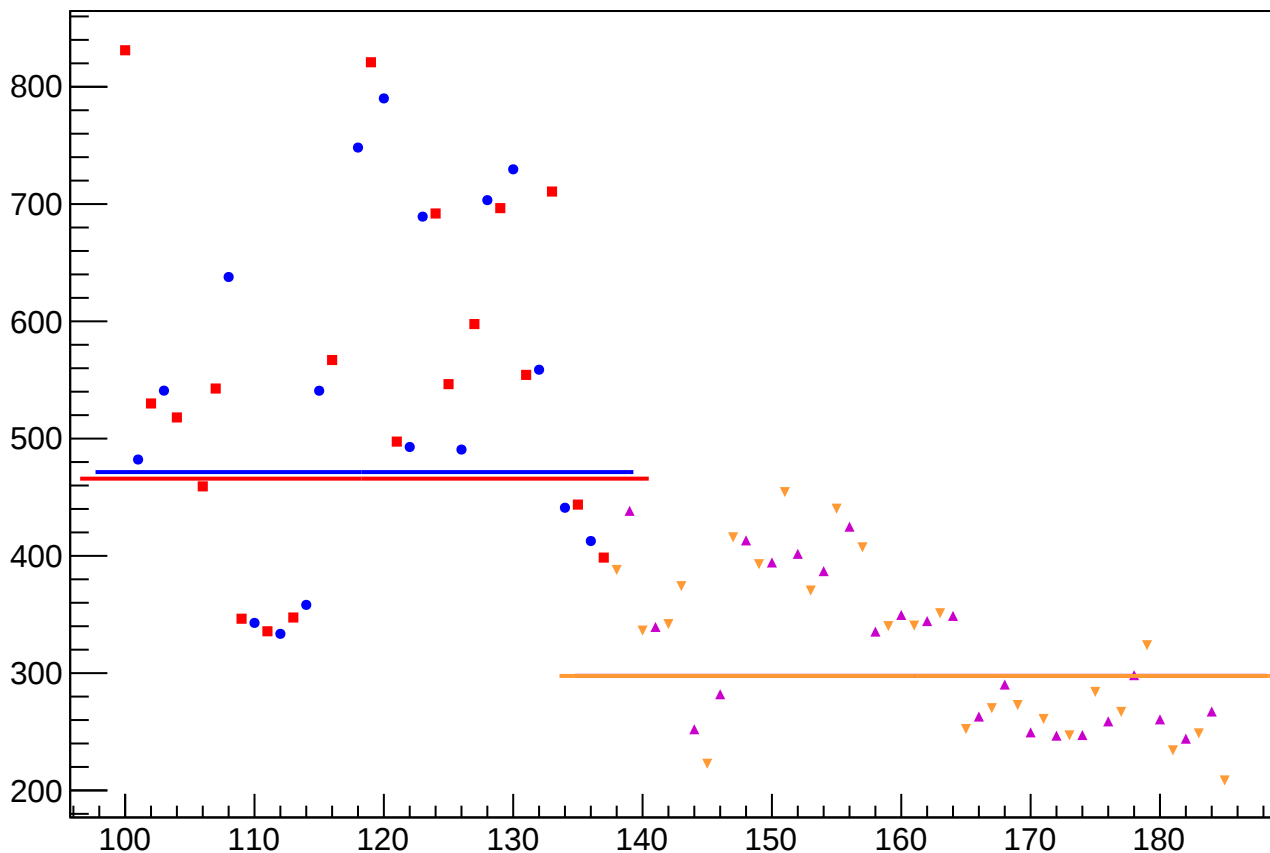
Right: 123.222 ± 131.342 χ^2/NDF : 40.5/35

In: -71.719 ± 67.981 χ^2/NDF : 55.2/39

Out: -160.271 ± 66.214 χ^2/NDF : 65.3/43

All: -117.161 ± 47.433 χ^2/NDF : 121.4/83

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.454 $\pm$ 0.135 χ^2 /NDF: 875217.0/16

Left Out: 297.617 $\pm$ 0.050 χ^2 /NDF:1637862.5/24

Right Out: 465.856 $\pm$ 0.128 χ^2 /NDF: 943653.4/18

Left In: 297.699 $\pm$ 0.051 χ^2 /NDF:1266306.2/22

Left: 297.657 $\pm$ 0.036 χ^2 /NDF: 2904170.0/47

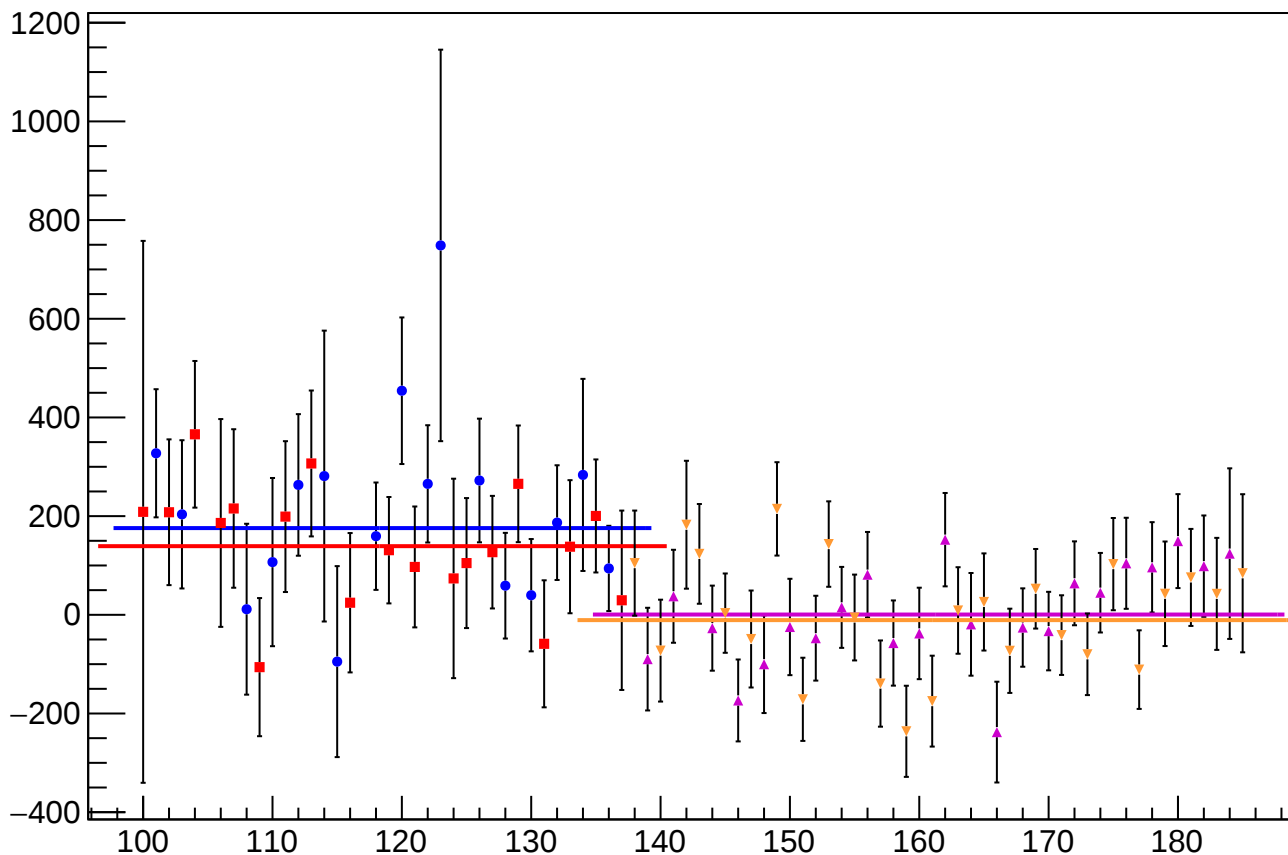
Right: 468.525 $\pm$ 0.093 χ^2 /NDF: 1819776.9/35

In: 319.892 $\pm$ 0.048 χ^2 /NDF:3597208.0/39

Out: 319.989 $\pm$ 0.047 χ^2 /NDF:4070170.9/43

All: 319.942 $\pm$ 0.034 χ^2 /NDF: 7667381.1/83

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 175.771 $\pm$ 32.833 χ^2 /NDF: 15.5/16

Left Out: -10.752 $\pm$ 18.611 χ^2 /NDF:36.3/24

Right Out: 139.142 $\pm$ 32.437 χ^2 /NDF: 12.5/18

Left In: 0.575 $\pm$ 19.091 χ^2 /NDF:23.8/22

Left: -5.233 $\pm$ 13.327 χ^2 /NDF: 60.3/47

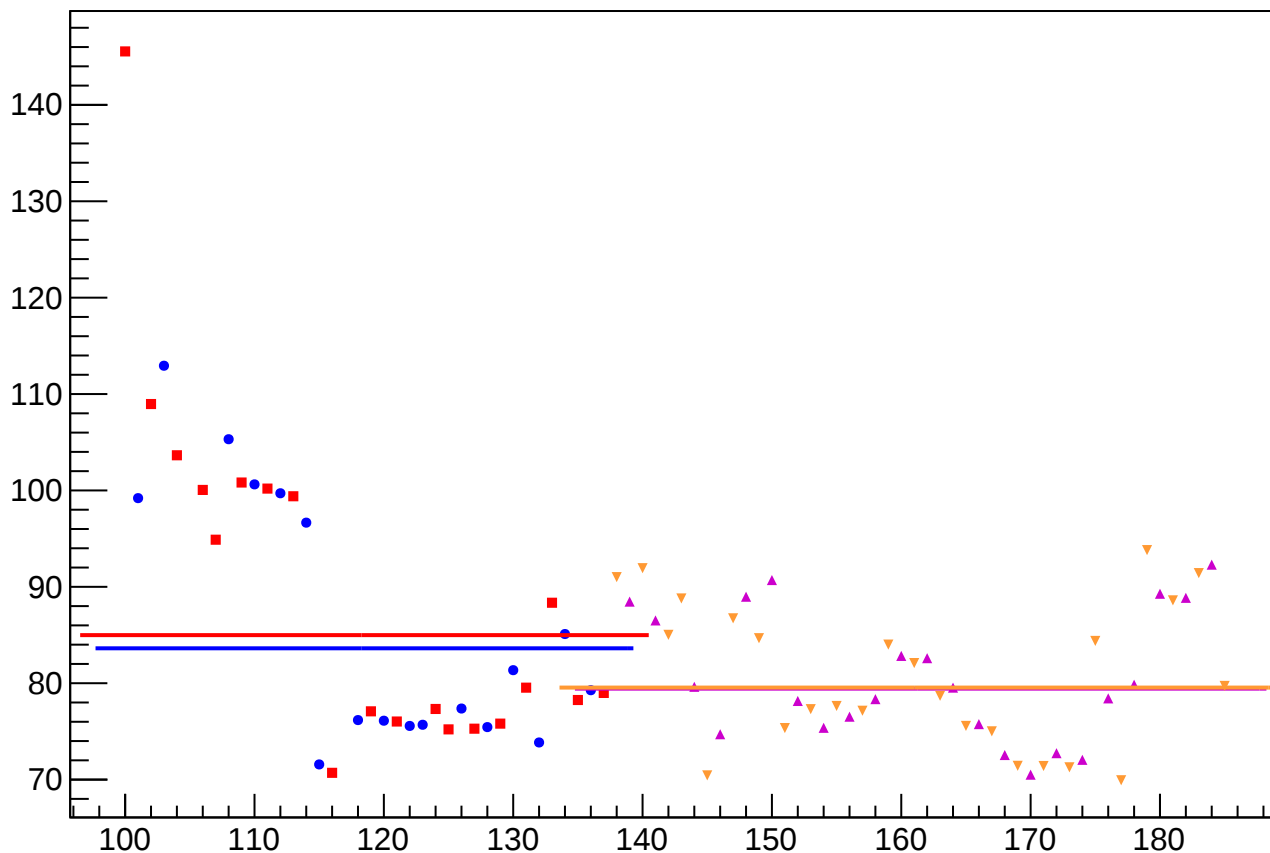
Right: 157.234 $\pm$ 23.075 χ^2 /NDF: 28.6/35

In: 44.842 $\pm$ 16.504 χ^2 /NDF:60.6/39

Out: 26.371 $\pm$ 16.143 χ^2 /NDF:64.9/43

All: 35.402 $\pm$ 11.540 χ^2 /NDF: 126.1/83

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.622 $\pm$ 0.023 χ^2 /NDF: 254251.0/16

Left Out: 79.548 $\pm$ 0.013 χ^2 /NDF: 308740.9/24

Right Out: 84.989 $\pm$ 0.023 χ^2 /NDF: 287001.0/18

Left In: 79.436 $\pm$ 0.013 χ^2 /NDF: 212440.1/22

Left: 79.493 $\pm$ 0.009 χ^2 /NDF: 521215.8/47

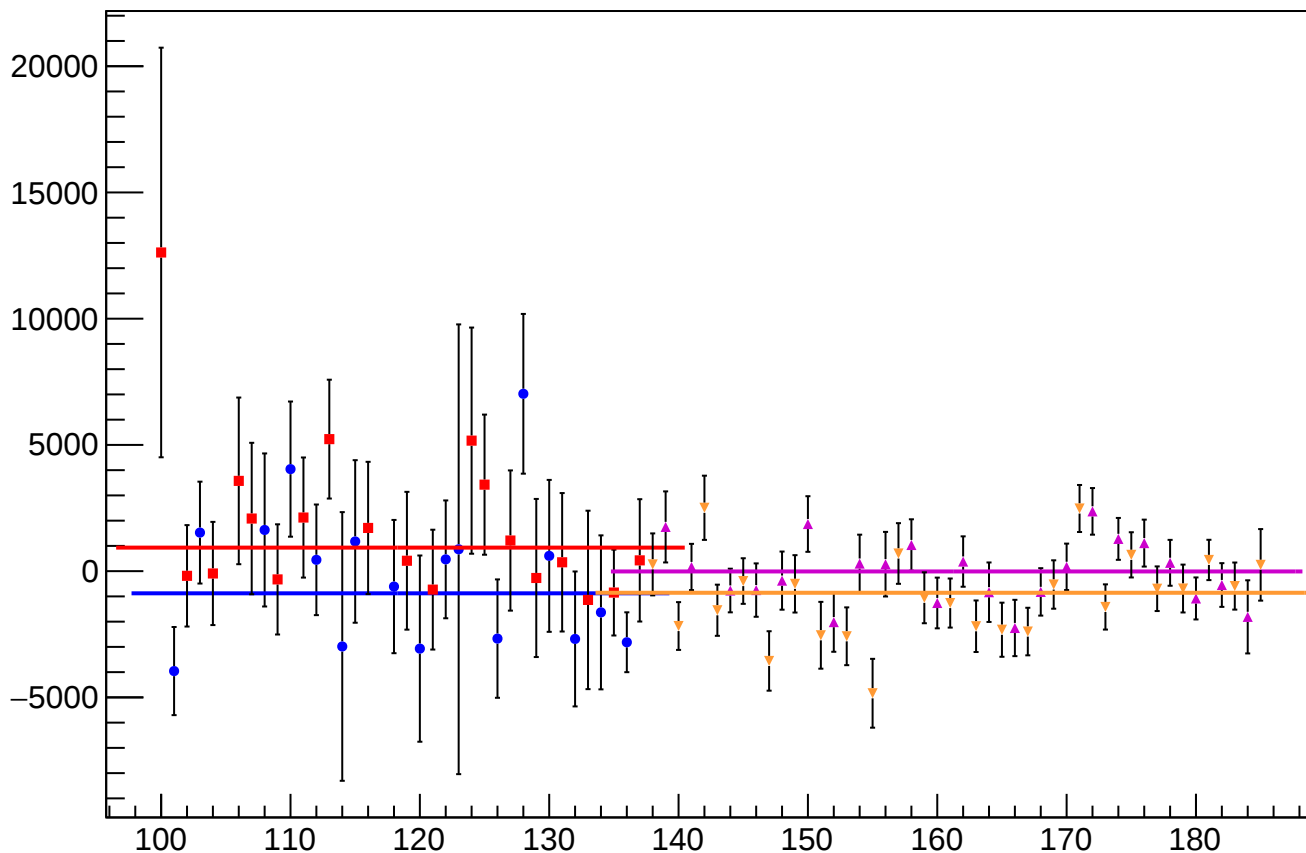
Right: 84.314 $\pm$ 0.016 χ^2 /NDF: 543008.3/35

In: 80.494 $\pm$ 0.012 χ^2 /NDF: 490976.5/39

Out: 80.895 $\pm$ 0.011 χ^2 /NDF: 638088.2/43

All: 80.699 $\pm$ 0.008 χ^2 /NDF: 1129669.4/83

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -877.743 $\pm$ 584.504 χ^2 /NDF: 20.5/16

Left Out: -856.450 $\pm$ 204.117 χ^2 /NDF:55.9/24

Right Out: 932.219 $\pm$ 590.182 χ^2 /NDF: 11.3/18

Left In: -11.687 $\pm$ 210.073 χ^2 /NDF:31.2/22

Left: -446.214 $\pm$ 146.393 χ^2 /NDF: 95.5/47

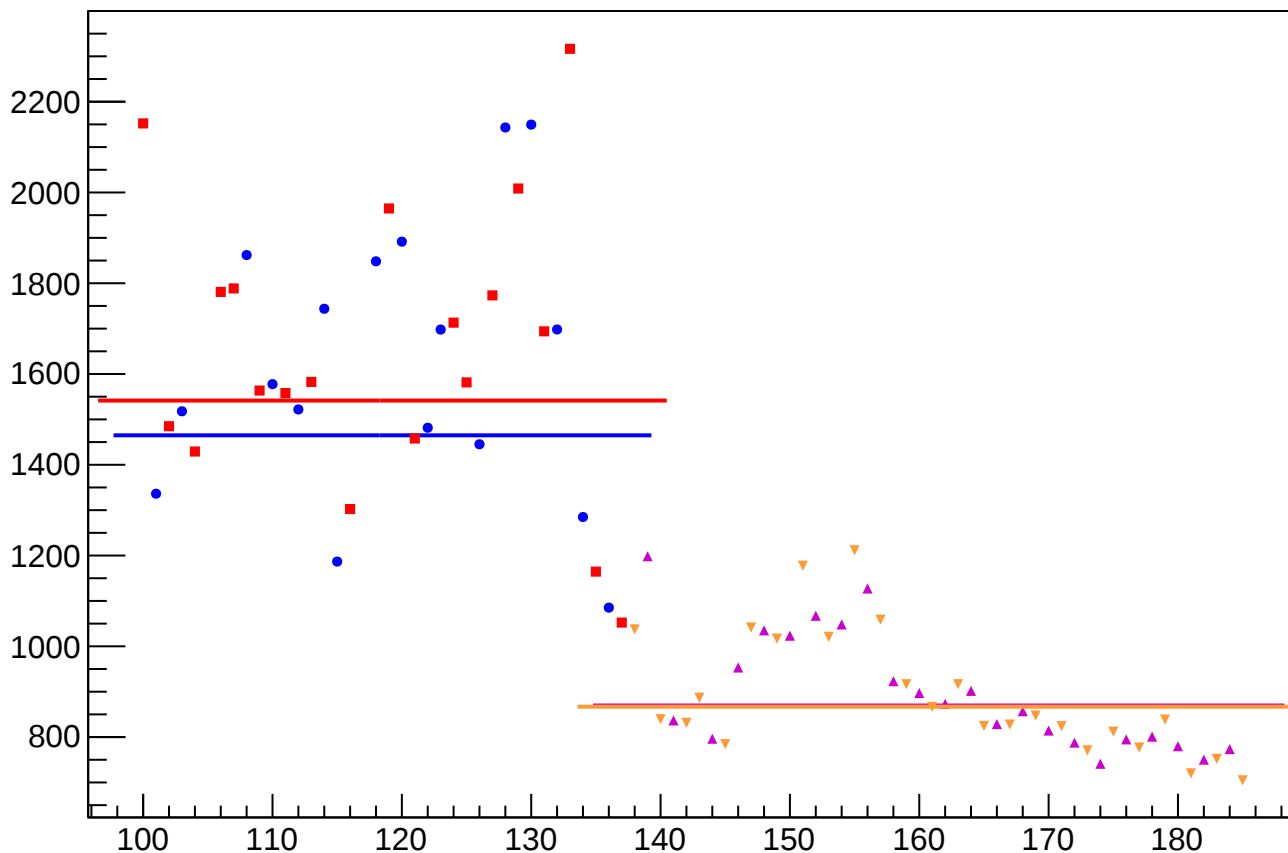
Right: 18.489 $\pm$ 415.300 χ^2 /NDF: 36.6/35

In: -110.760 $\pm$ 197.693 χ^2 /NDF:53.7/39

Out: -665.356 $\pm$ 192.906 χ^2 /NDF:75.5/43

All: -394.854 $\pm$ 138.066 χ^2 /NDF: 133.2/83

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.922 ± 0.413 $\chi^2/\text{NDF}: 565343.8/16$

Left Out: 866.896 ± 0.144 $\chi^2/\text{NDF}: 661846.7/24$

Right Out: 1541.521 ± 0.417 $\chi^2/\text{NDF}: 455248.6/18$

Left In: 869.569 ± 0.149 $\chi^2/\text{NDF}: 582301.2/22$

Left: 868.194 ± 0.104 $\chi^2/\text{NDF}: 1244314.4/47$

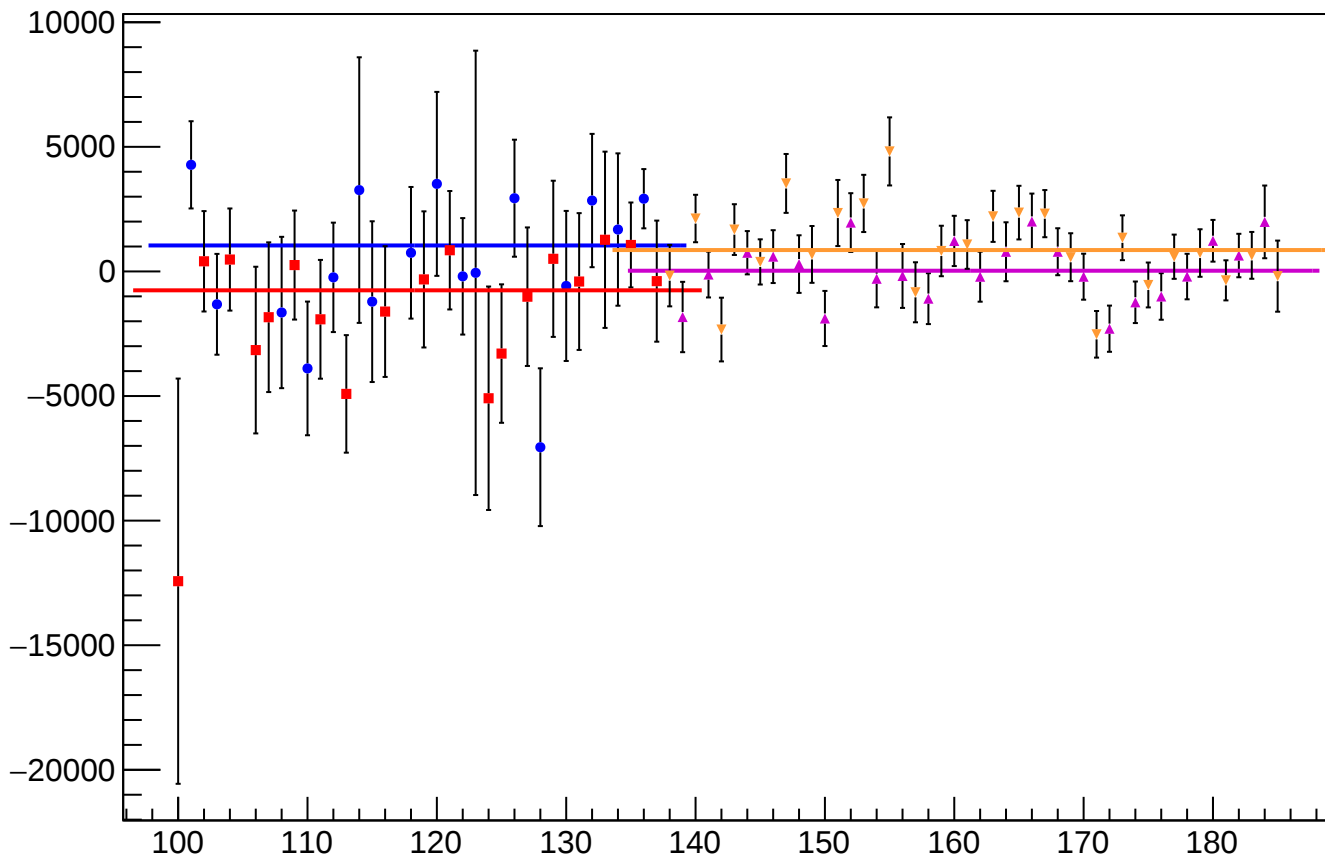
Right: 1502.851 ± 0.294 $\chi^2/\text{NDF}: 1037600.4/35$

In: 937.674 ± 0.140 $\chi^2/\text{NDF}: 2985221.5/39$

Out: 938.970 ± 0.136 $\chi^2/\text{NDF}: 3451167.4/43$

All: 938.338 ± 0.098 $\chi^2/\text{NDF}: 6436432.9/83$

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1042.489 $\pm$ 585.716 χ^2 /NDF: 21.2/16

Left Out: 857.836 $\pm$ 205.074 χ^2 /NDF:54.0/24

Right Out: -758.067 $\pm$ 591.504 χ^2 /NDF: 11.0/18

Left In: 28.553 $\pm$ 211.034 χ^2 /NDF:29.7/22

Left: 455.070 $\pm$ 147.071 χ^2 /NDF: 91.7/47

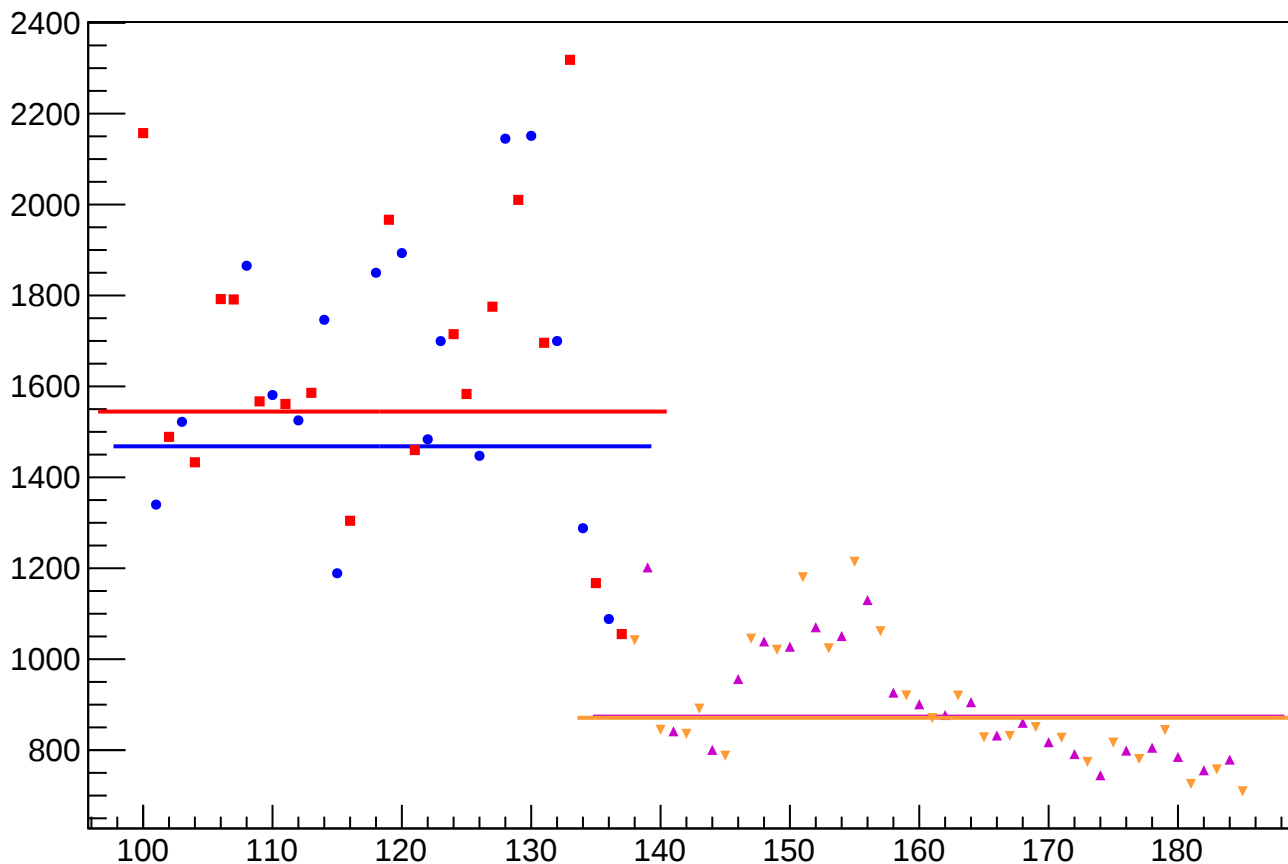
Right: 151.064 $\pm$ 416.195 χ^2 /NDF: 36.9/35

In: 145.055 $\pm$ 198.540 χ^2 /NDF:53.6/39

Out: 684.446 $\pm$ 193.759 χ^2 /NDF:71.7/43

All: 421.323 $\pm$ 138.668 χ^2 /NDF: 129.0/83

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1468.195+/-0.414 χ^2/NDF : 561893.4/16

Left Out: 871.111+/-0.145 χ^2/NDF : 651884.5/24

Right Out: 1544.653+/-0.418 χ^2/NDF : 453342.4/18

Left In: 873.675+/-0.149 χ^2/NDF : 573822.5/22

Left: 872.356+/-0.104 χ^2/NDF : 1225858.8/47

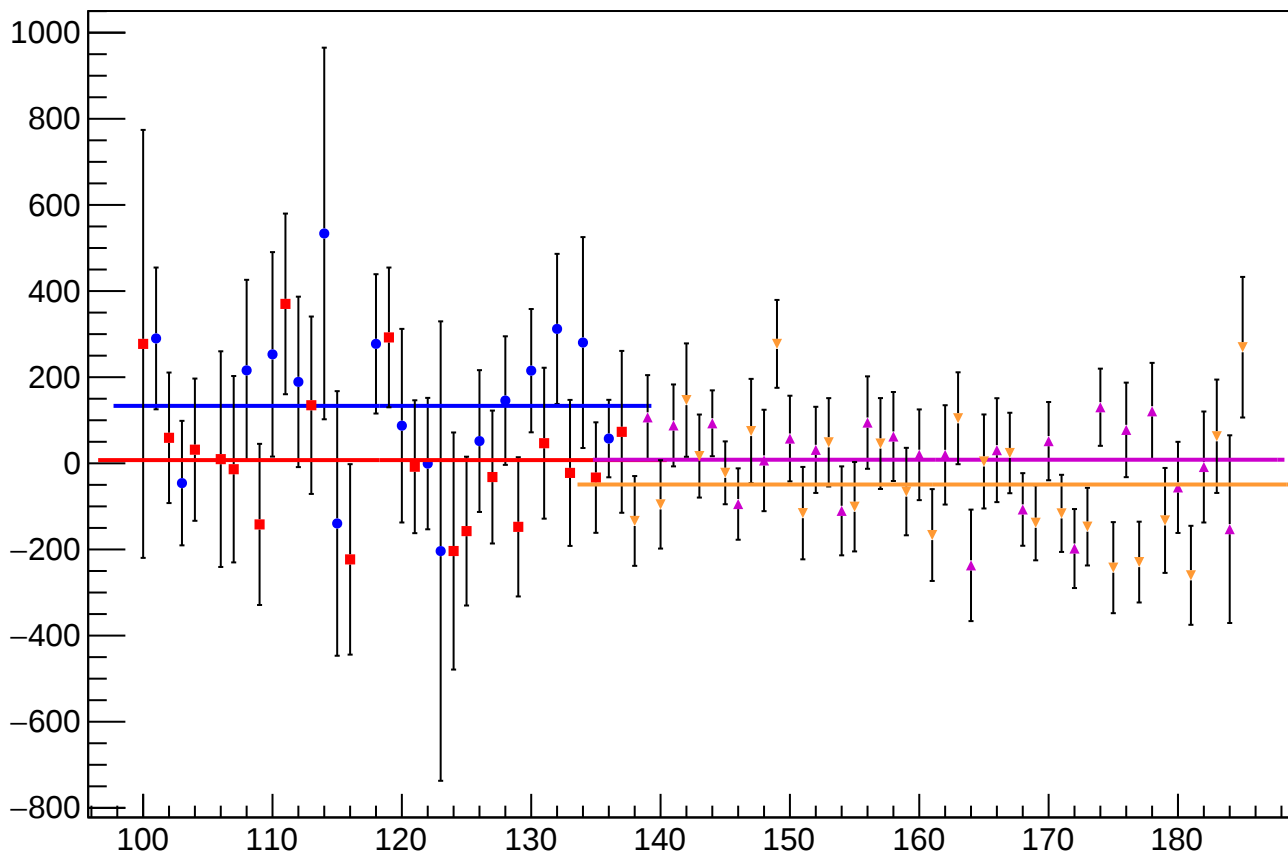
Right: 1506.048+/-0.294 χ^2/NDF : 1032108.6/35

In: 941.986+/-0.140 χ^2/NDF : 2959531.7/39

Out: 943.384+/-0.137 χ^2/NDF : 3420210.9/43

All: 942.702+/-0.098 χ^2/NDF : 6379793.4/83

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 133.408 $\pm$ 41.705 χ^2 /NDF: 9.3/16

Left Out: -49.180 $\pm$ 20.582 χ^2 /NDF:39.7/24

Right Out: 7.495 $\pm$ 41.511 χ^2 /NDF: 11.4/18

Left In: 8.343 $\pm$ 21.271 χ^2 /NDF:22.0/22

Left: -21.366 $\pm$ 14.791 χ^2 /NDF: 65.4/47

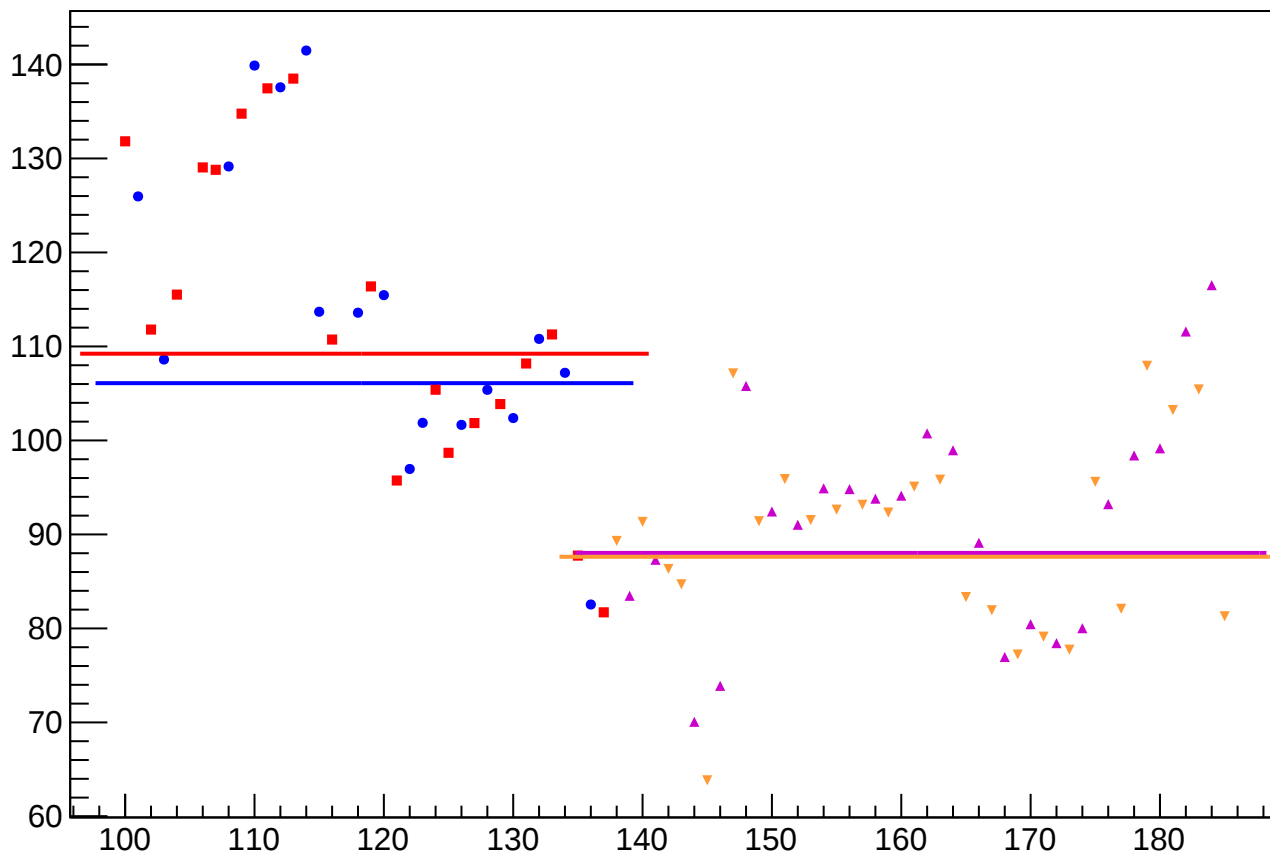
Right: 70.159 $\pm$ 29.421 χ^2 /NDF: 25.3/35

In: 34.161 $\pm$ 18.949 χ^2 /NDF:38.4/39

Out: -37.997 $\pm$ 18.440 χ^2 /NDF:52.6/43

All: -2.900 $\pm$ 13.215 χ^2 /NDF: 98.5/83

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.094 $\pm$ 0.029 χ^2 /NDF: 316104.7/16

Left Out: 87.622 $\pm$ 0.015 χ^2 /NDF: 554461.5/24

Right Out: 109.227 $\pm$ 0.029 χ^2 /NDF: 283569.2/18

Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

Left: 87.821 $\pm$ 0.010 χ^2 /NDF: 1078555.5/47

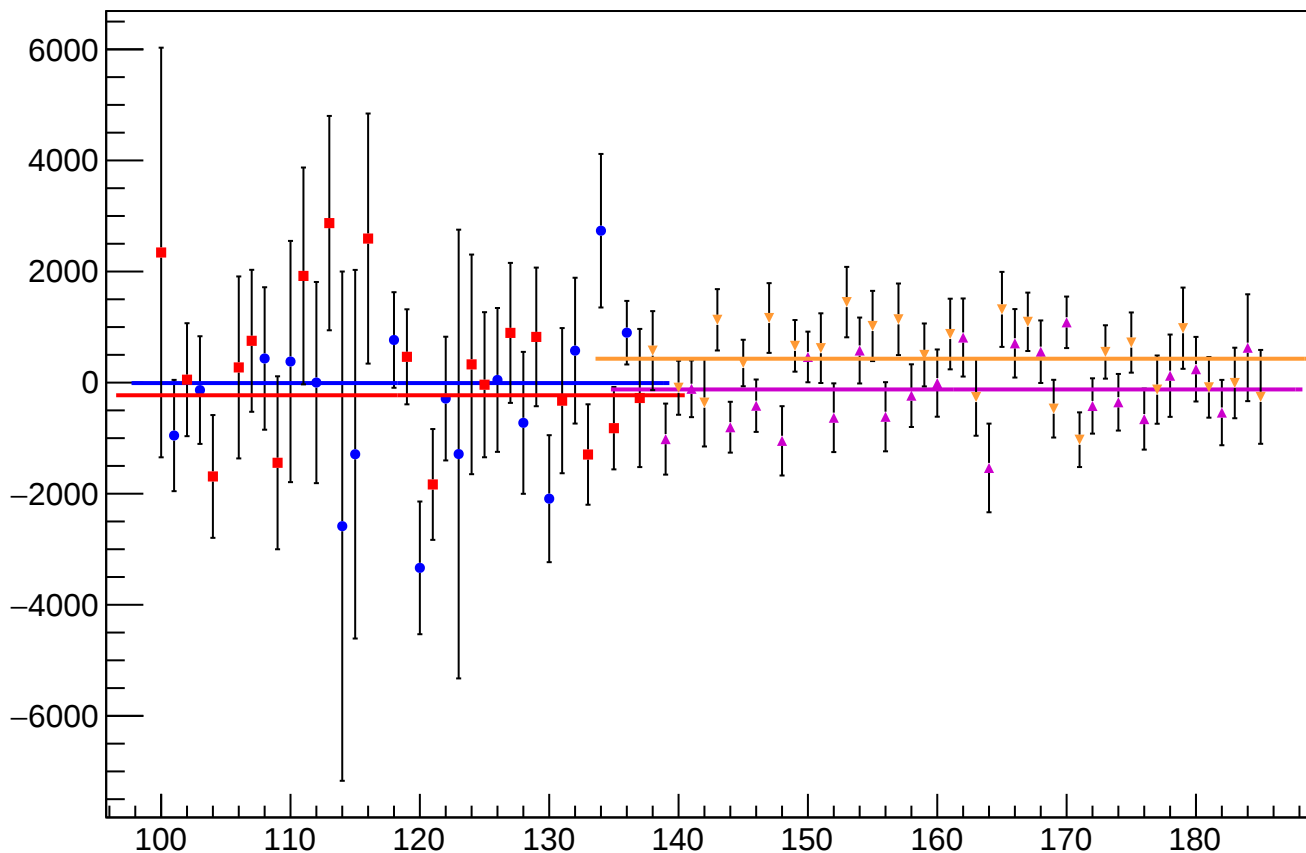
Right: 107.667 $\pm$ 0.021 χ^2 /NDF: 605344.1/35

In: 91.761 $\pm$ 0.013 χ^2 /NDF: 1137489.4/39

Out: 91.885 $\pm$ 0.013 χ^2 /NDF: 1272853.3/43

All: 91.825 $\pm$ 0.009 χ^2 /NDF: 2410387.3/83

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -8.296 ± 284.265 χ^2/NDF : 20.5/16

Left Out: 430.106 ± 115.717 χ^2/NDF : 30.6/24

Right Out: -227.827 ± 280.146 χ^2/NDF : 15.8/18

Left In: -123.017 ± 118.849 χ^2/NDF : 29.3/22

Left: 160.929 ± 82.910 χ^2/NDF : 70.9/47

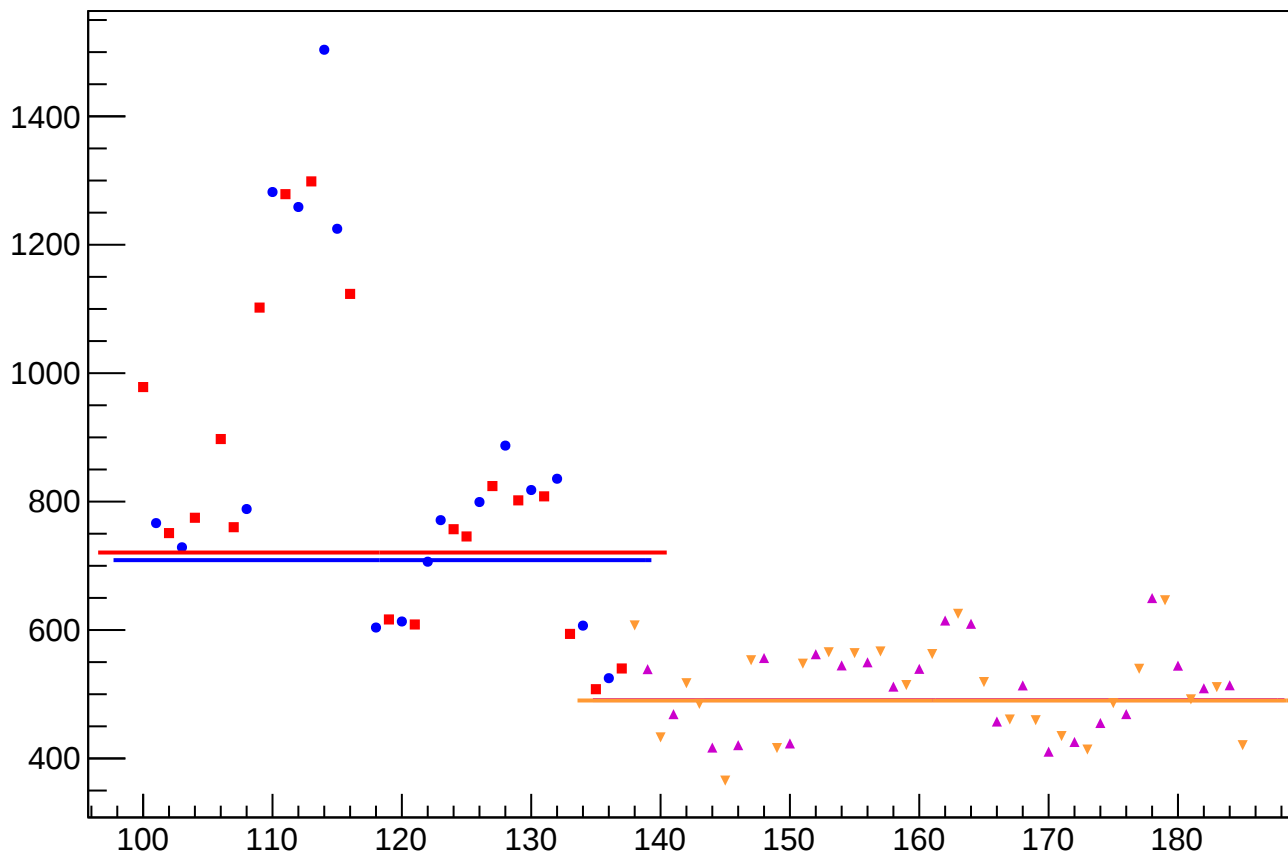
Right: -119.663 ± 199.533 χ^2/NDF : 36.7/35

In: -105.947 ± 109.651 χ^2/NDF : 49.9/39

Out: 334.212 ± 106.952 χ^2/NDF : 51.1/43

All: 119.616 ± 76.563 χ^2/NDF : 109.3/83

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.820 $\pm$ 0.201 χ^2 /NDF: 793495.1/16

Left Out: 490.254 $\pm$ 0.082 χ^2 /NDF: 750209.3/24

Right Out: 720.682 $\pm$ 0.198 χ^2 /NDF: 901856.3/18

Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

Left: 490.573 $\pm$ 0.059 χ^2 /NDF: 1339476.0/47

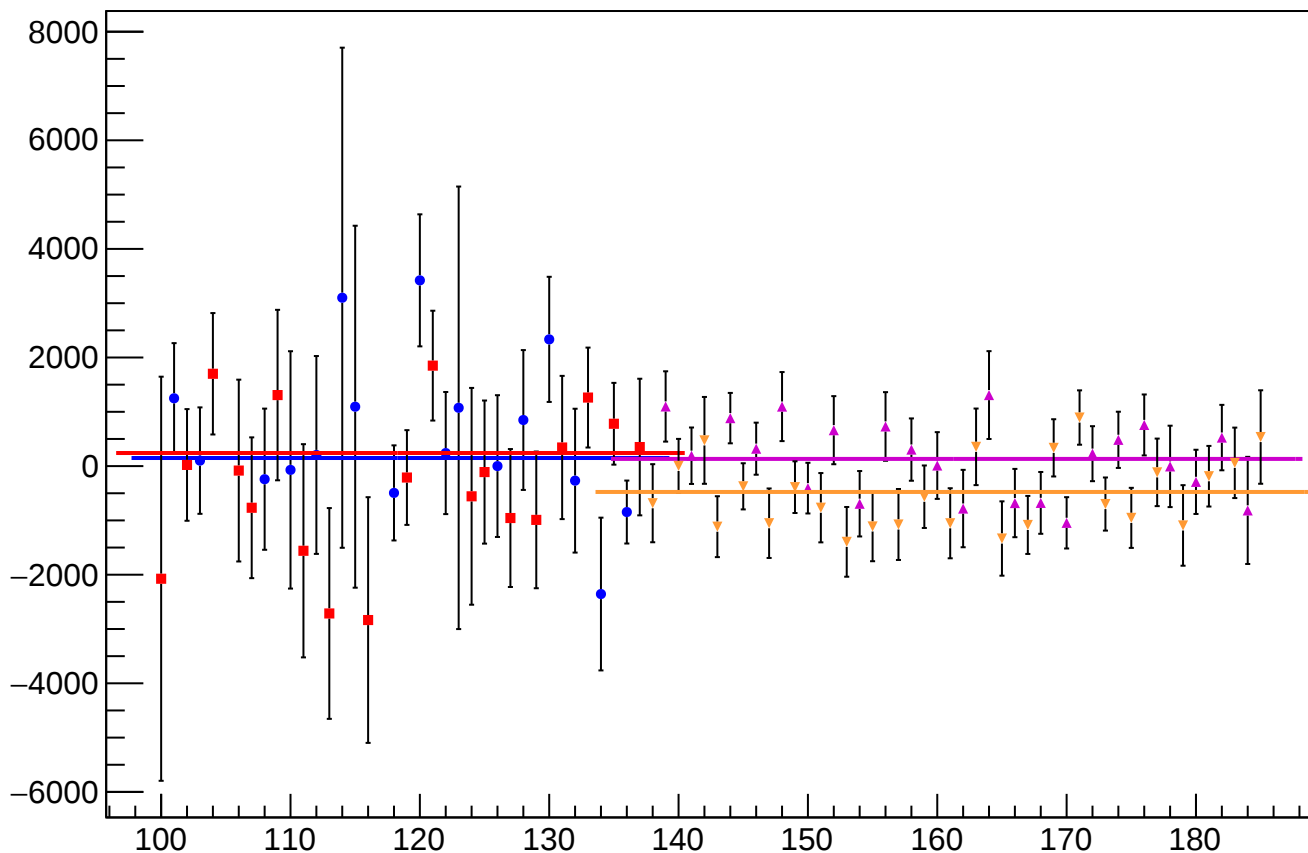
Right: 714.837 $\pm$ 0.141 χ^2 /NDF: 1697118.2/35

In: 523.333 $\pm$ 0.078 χ^2 /NDF: 2383130.6/39

Out: 523.839 $\pm$ 0.076 χ^2 /NDF: 2807951.9/43

All: 523.592 $\pm$ 0.054 χ^2 /NDF: 5191104.4/83

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 149.114 $\pm$ 287.749 χ^2 /NDF: 19.7/16

Left Out: -476.049 $\pm$ 117.671 χ^2 /NDF:28.0/24

Right Out: 241.208 $\pm$ 283.783 χ^2 /NDF: 14.9/18

Left In: 132.543 $\pm$ 120.866 χ^2 /NDF:29.5/22

Left: -179.904 $\pm$ 84.313 χ^2 /NDF: 70.5/47

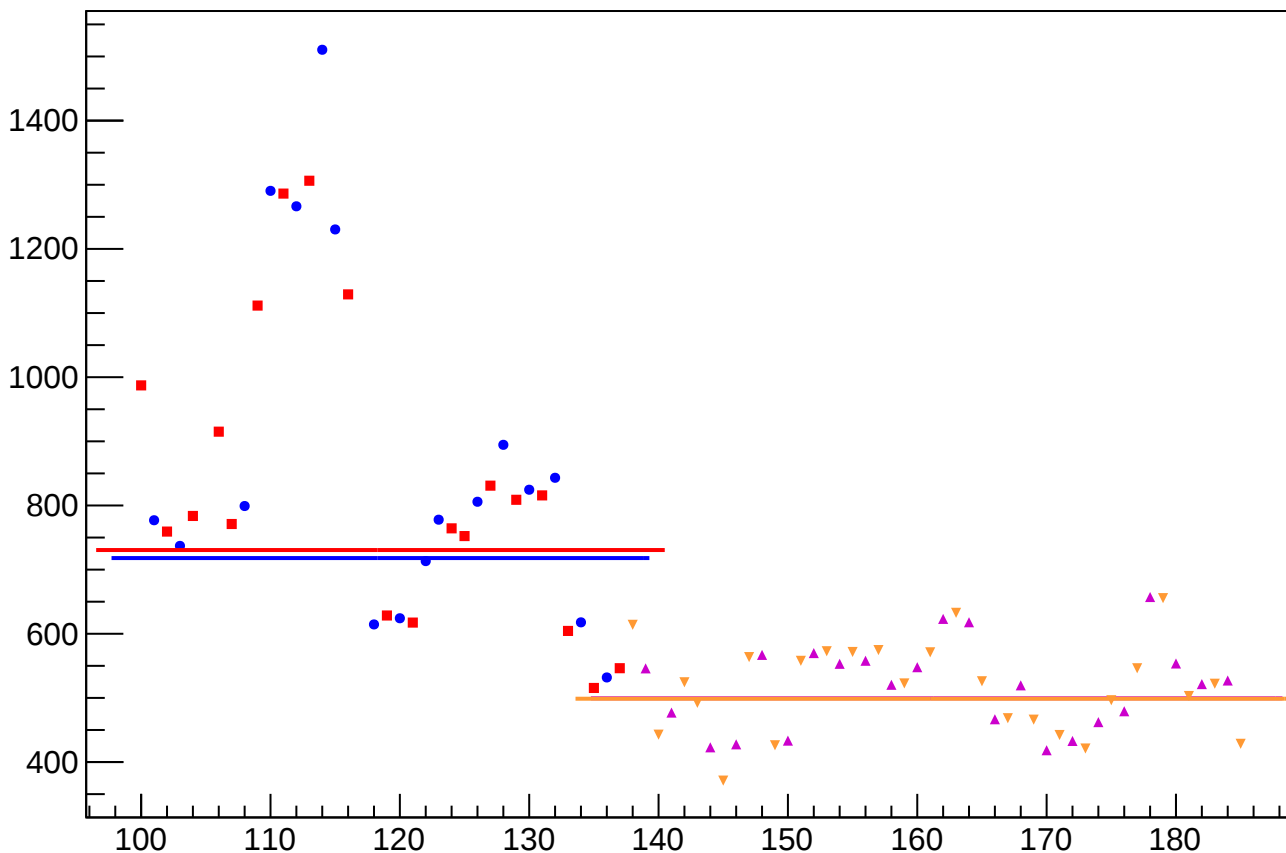
Right: 195.800 $\pm$ 202.053 χ^2 /NDF: 34.7/35

In: 135.028 $\pm$ 111.435 χ^2 /NDF:49.3/39

Out: -370.820 $\pm$ 108.697 χ^2 /NDF:48.3/43

All: -124.187 $\pm$ 77.810 χ^2 /NDF: 108.1/83

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 718.014 $\pm$ 0.203 χ^2 /NDF: 778471.9/16

Left Out: 498.741 $\pm$ 0.083 χ^2 /NDF: 734229.5/24

Right Out: 730.544 $\pm$ 0.201 χ^2 /NDF: 883666.2/18

Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

Left: 499.058 $\pm$ 0.060 χ^2 /NDF: 1310798.6/47

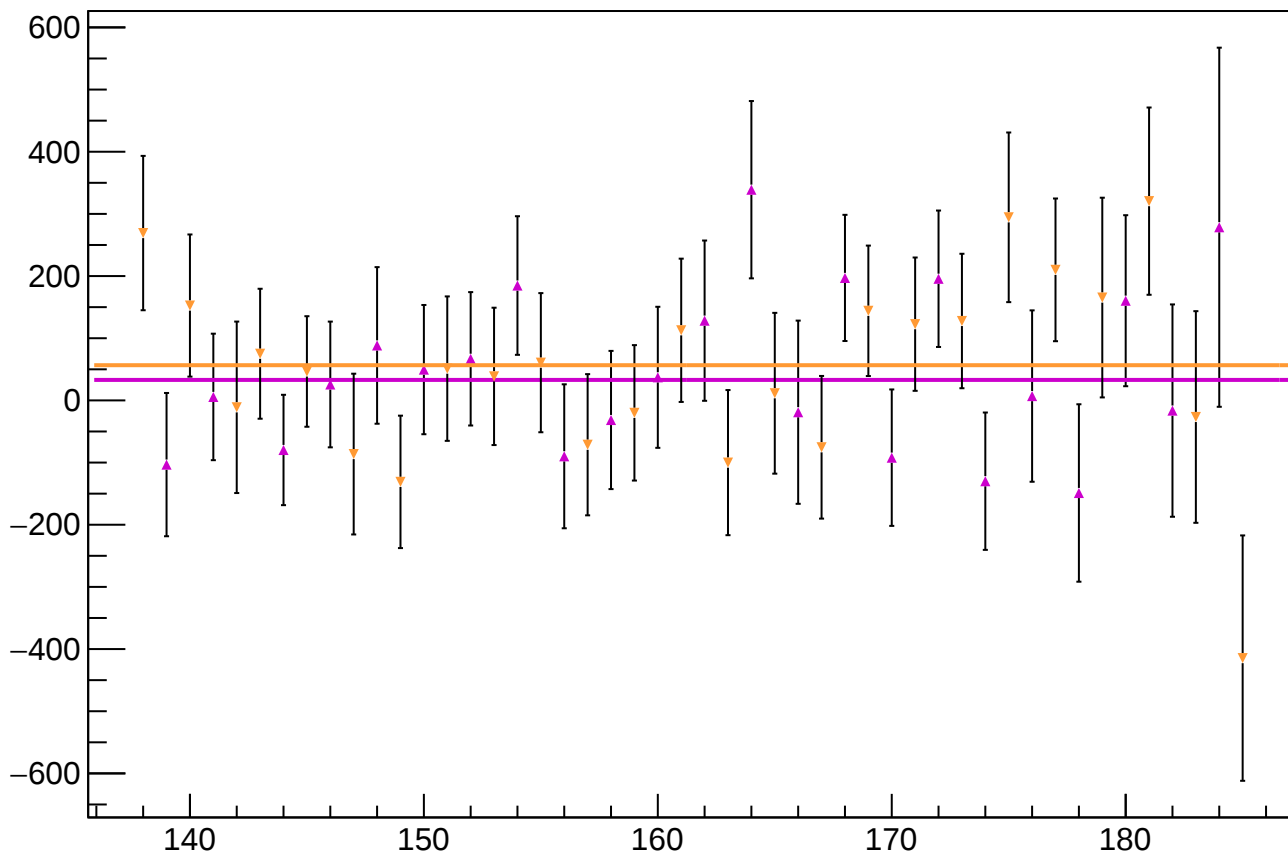
Right: 724.366 $\pm$ 0.143 χ^2 /NDF: 1664060.5/35

In: 532.180 $\pm$ 0.079 χ^2 /NDF: 2336346.0/39

Out: 532.749 $\pm$ 0.077 χ^2 /NDF: 2756543.5/43

All: 532.472 $\pm$ 0.055 χ^2 /NDF: 5092916.2/83

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 56.625+/-23.715 χ^2/NDF :29.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 32.948+/-24.587 χ^2/NDF :23.6/22

Left: 45.214+/-17.069 χ^2/NDF : 53.4/47

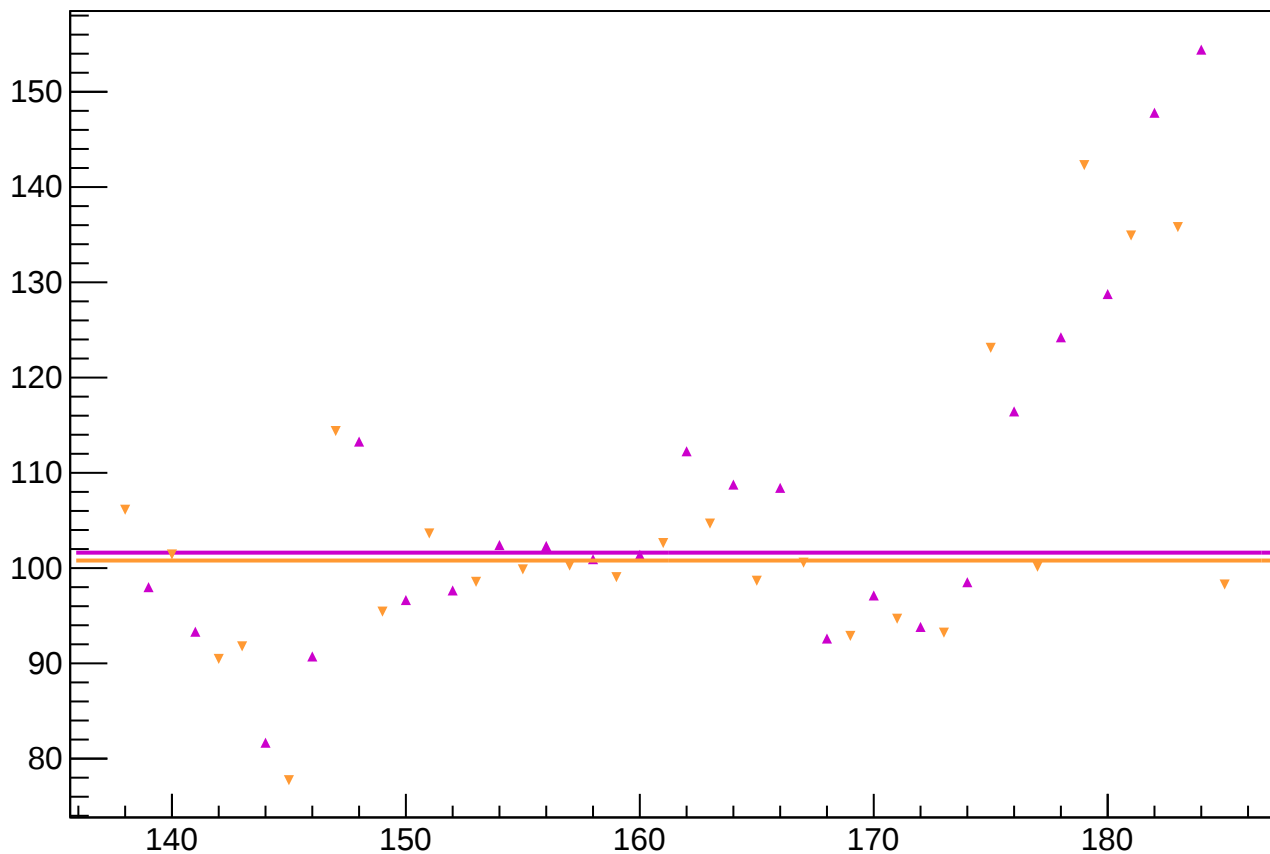
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 32.948+/-24.587 χ^2/NDF :23.6/22

Out: 56.625+/-23.715 χ^2/NDF :29.3/24

All: 45.214+/-17.069 χ^2/NDF : 53.4/47

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 100.796+/-0.017 χ^2/NDF : 599858.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 101.622+/-0.017 χ^2/NDF : 582329.3/22

Left: 101.194+/-0.012 χ^2/NDF : 1183358.0/47

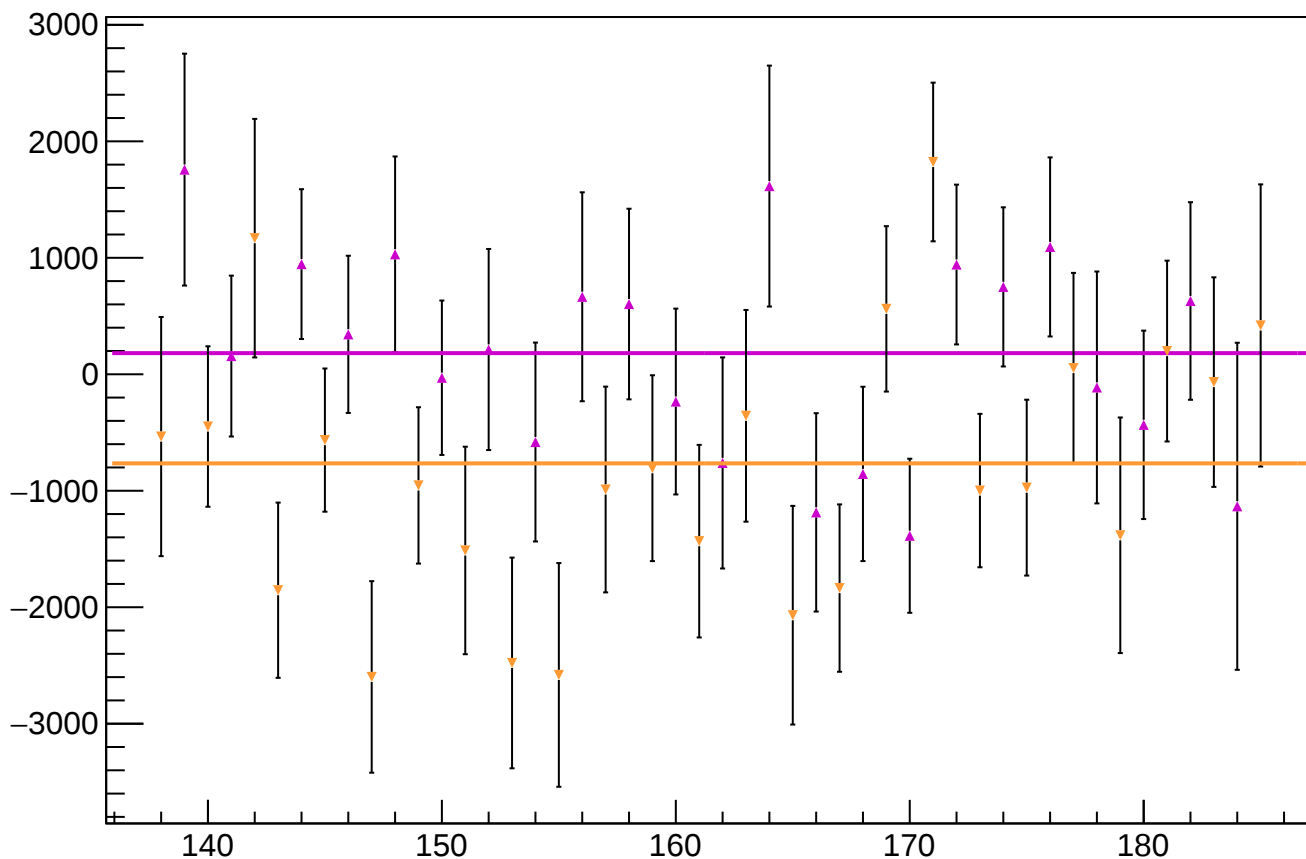
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 101.622+/-0.017 χ^2/NDF : 582329.3/22

Out: 100.796+/-0.017 χ^2/NDF : 599858.8/24

All: 101.194+/-0.012 χ^2/NDF : 1183358.0/47

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -764.831 $\pm$ 161.082 χ^2 /NDF:46.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 181.584 $\pm$ 165.671 χ^2 /NDF:25.0/22

Left: -304.913 $\pm$ 115.490 χ^2 /NDF: 88.4/47

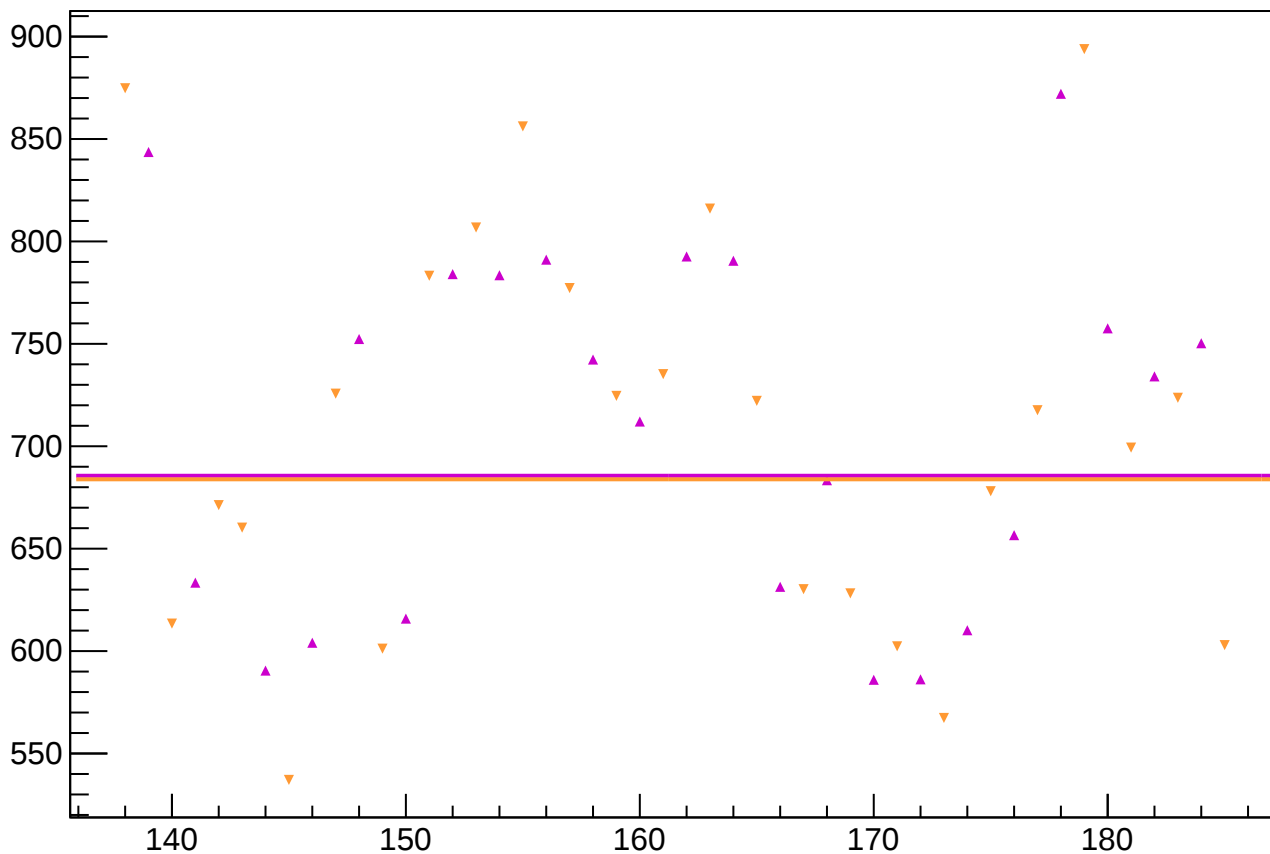
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 181.584 $\pm$ 165.671 χ^2 /NDF:25.0/22

Out: -764.831 $\pm$ 161.082 χ^2 /NDF:46.6/24

All: -304.913 $\pm$ 115.490 χ^2 /NDF: 88.4/47

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 683.864+/-0.114 χ^2/NDF : 667054.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 685.593+/-0.117 χ^2/NDF : 529353.6/22

Left: 684.704+/-0.082 χ^2/NDF : 1196519.6/47

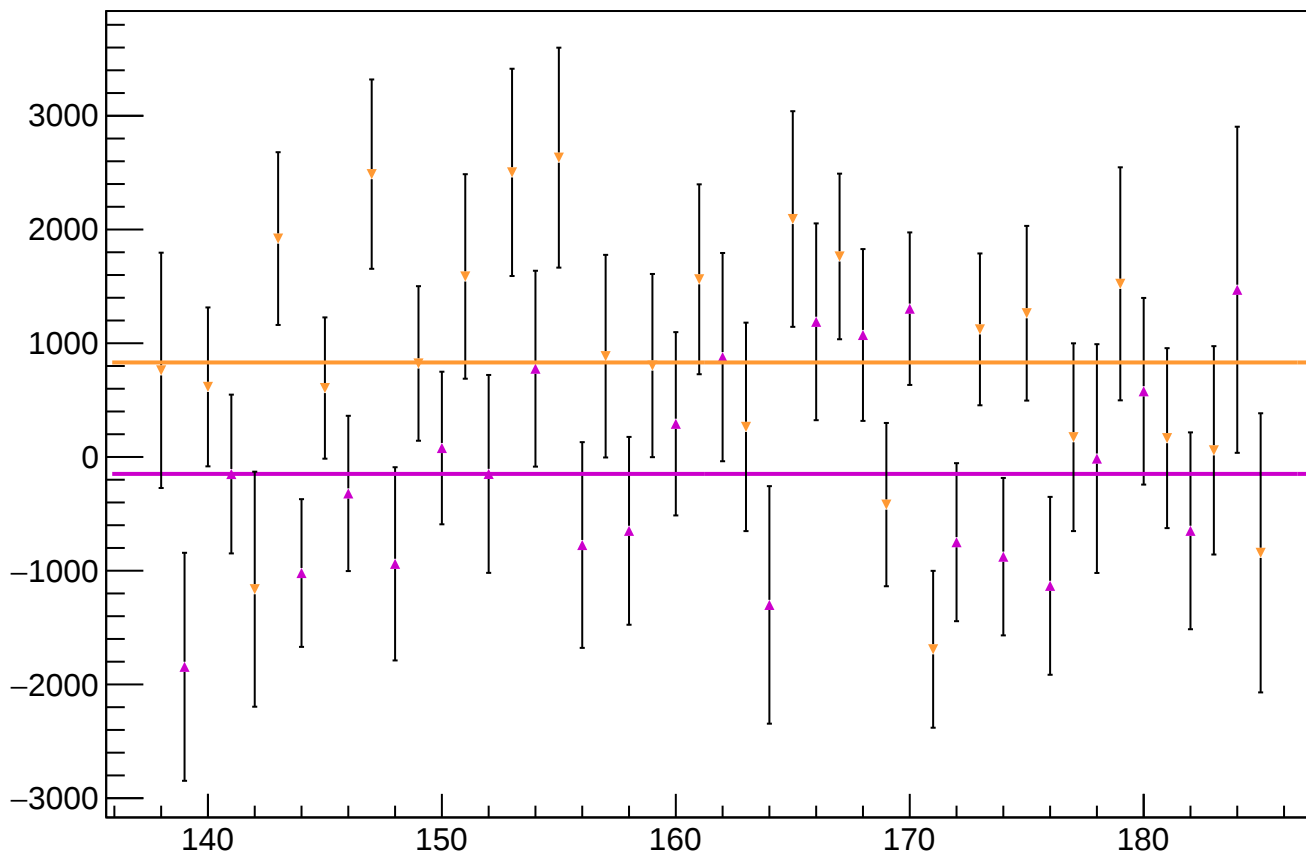
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 685.593+/-0.117 χ^2/NDF : 529353.6/22

Out: 683.864+/-0.114 χ^2/NDF : 667054.0/24

All: 684.704+/-0.082 χ^2/NDF : 1196519.6/47

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 831.076+/-162.981 χ^2/NDF :43.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -148.814+/-167.644 χ^2/NDF :26.0/22

Left: 354.950+/-116.859 χ^2/NDF : 86.9/47

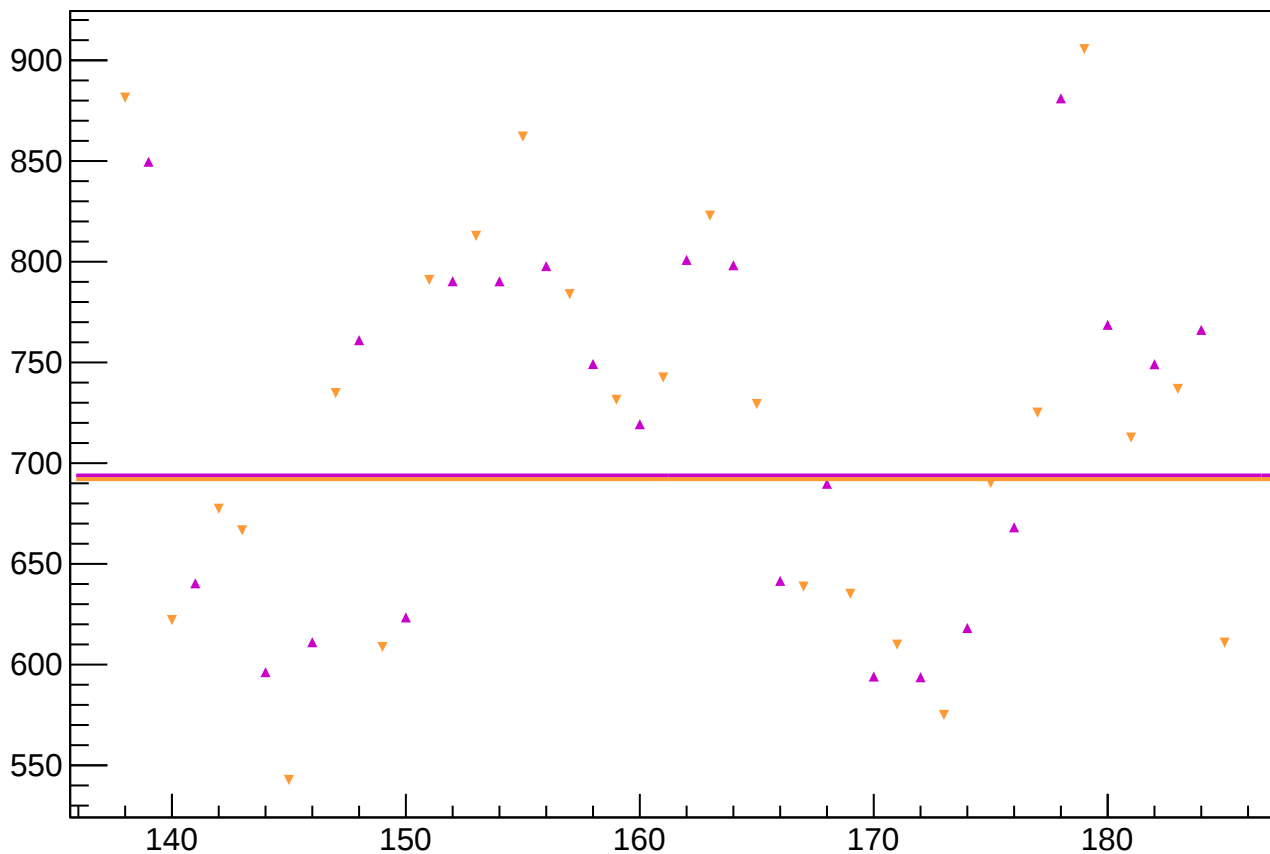
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -148.814+/-167.644 χ^2/NDF :26.0/22

Out: 831.076+/-162.981 χ^2/NDF :43.3/24

All: 354.950+/-116.859 χ^2/NDF : 86.9/47

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 692.075+/-0.115 χ^2/NDF : 657144.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

Left: 692.946+/-0.083 χ^2/NDF : 1179315.4/47

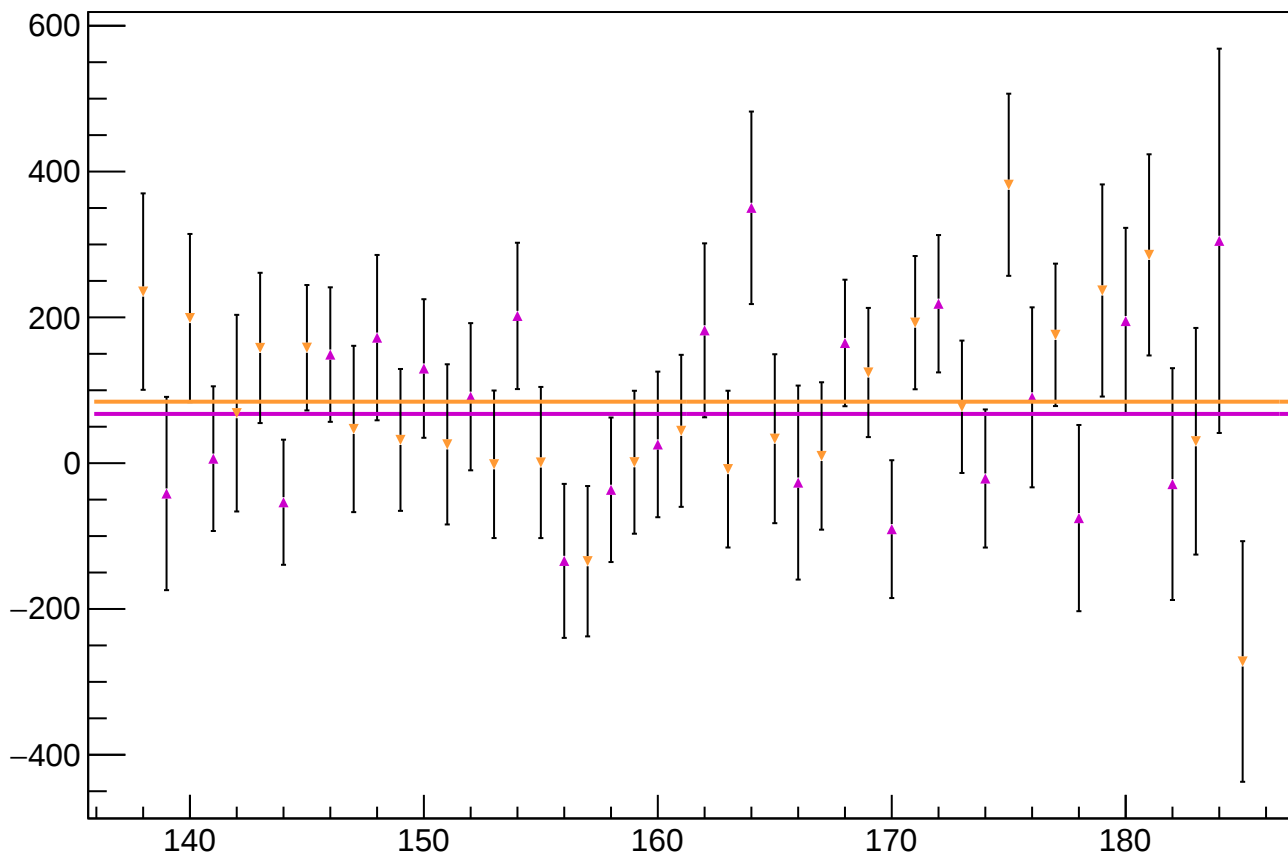
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

Out: 692.075+/-0.115 χ^2/NDF : 657144.5/24

All: 692.946+/-0.083 χ^2/NDF : 1179315.4/47

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 84.340+/-21.644 χ^2/NDF :28.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 67.552+/-22.449 χ^2/NDF :28.9/22

Left: 76.252+/-15.582 χ^2/NDF : 57.7/47

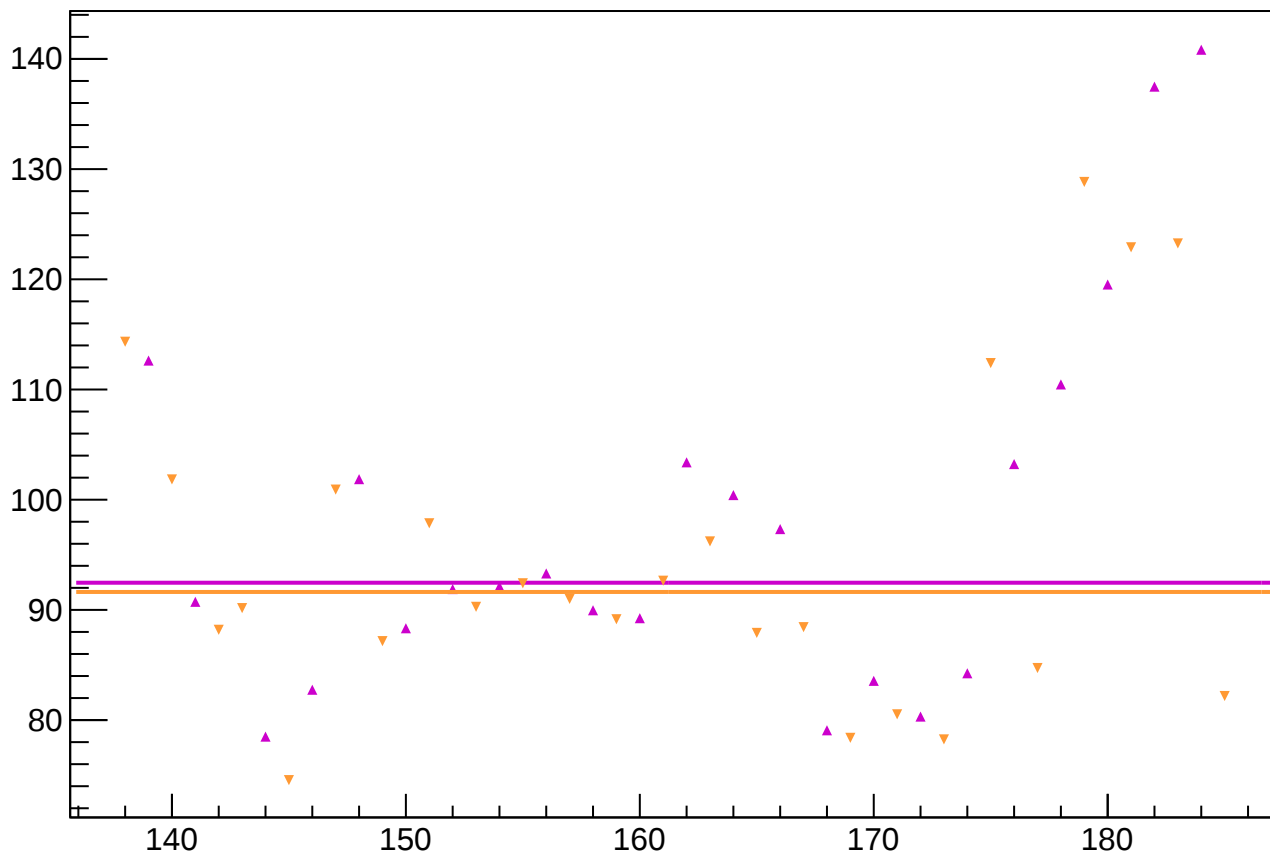
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 67.552+/-22.449 χ^2/NDF :28.9/22

Out: 84.340+/-21.644 χ^2/NDF :28.6/24

All: 76.252+/-15.582 χ^2/NDF : 57.7/47

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 91.628+/-0.015 χ^2/NDF : 692417.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 92.466+/-0.016 χ^2/NDF : 655700.4/22

Left: 92.032+/-0.011 χ^2/NDF : 1349562.0/47

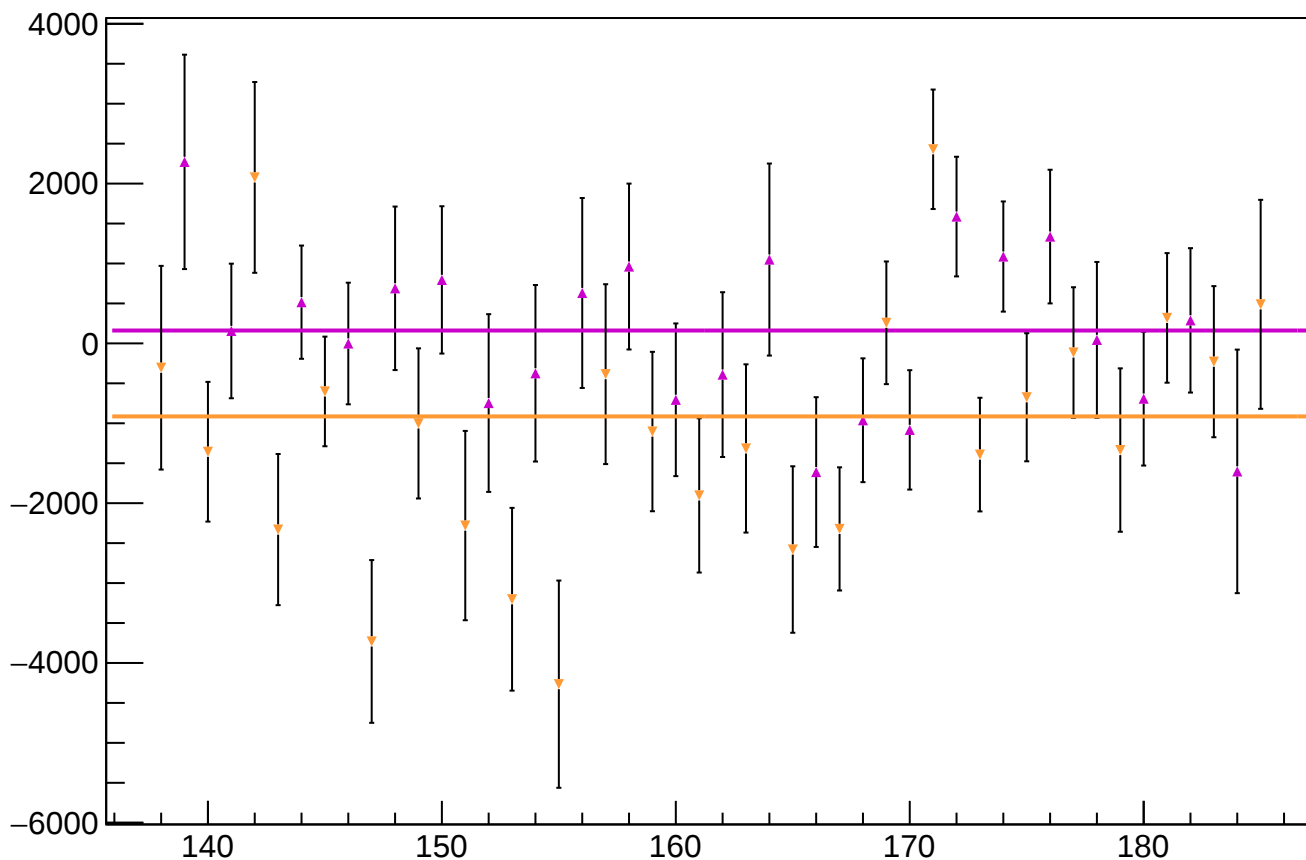
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 92.466+/-0.016 χ^2/NDF : 655700.4/22

Out: 91.628+/-0.015 χ^2/NDF : 692417.5/24

All: 92.032+/-0.011 χ^2/NDF : 1349562.0/47

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -914.035 $\pm$ 185.360 χ^2 /NDF:64.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 161.076 $\pm$ 189.491 χ^2 /NDF:25.1/22

Left: -388.324 $\pm$ 132.506 χ^2 /NDF: 105.7/47

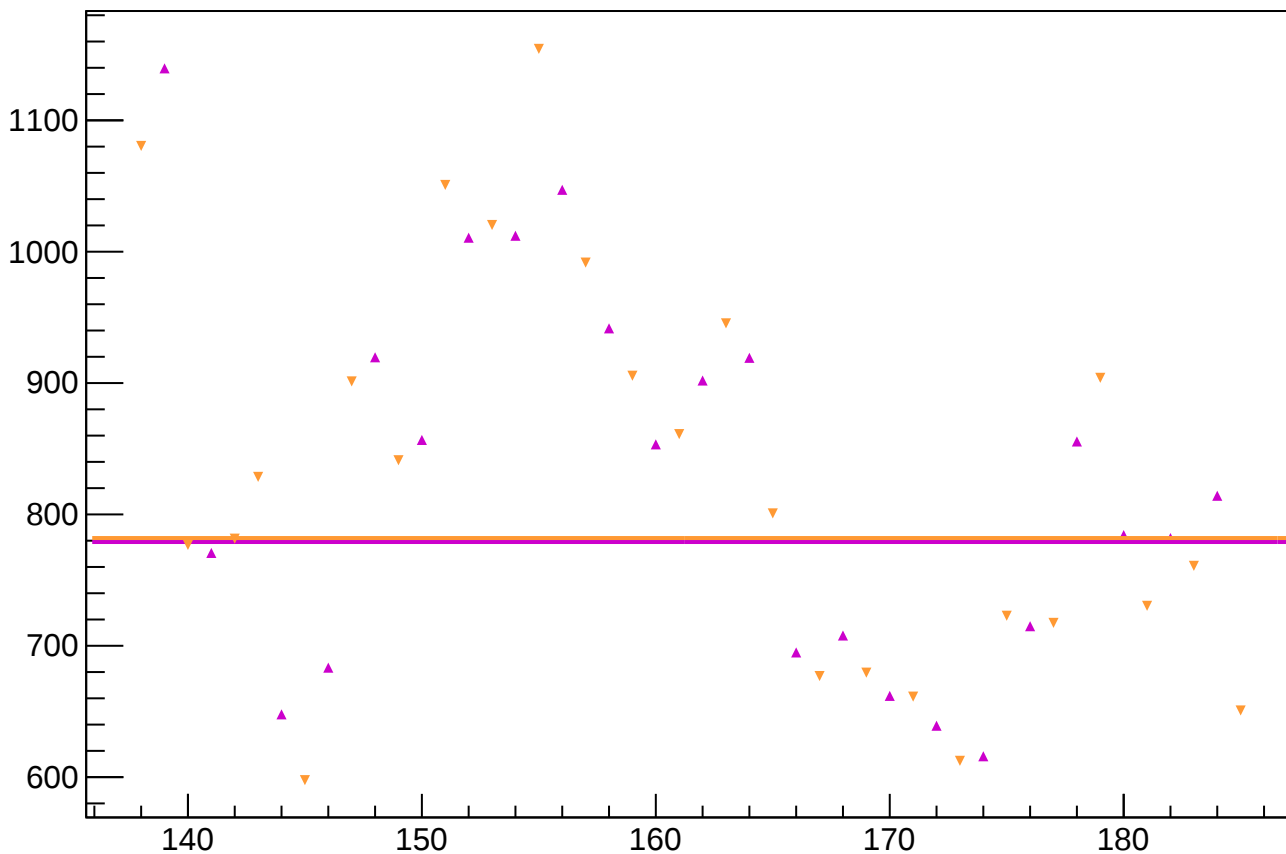
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 161.076 $\pm$ 189.491 χ^2 /NDF:25.1/22

Out: -914.035 $\pm$ 185.360 χ^2 /NDF:64.2/24

All: -388.324 $\pm$ 132.506 χ^2 /NDF: 105.7/47

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 782.023+/-0.131 χ^2/NDF :1131034.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 778.995+/-0.134 χ^2/NDF :980243.4/22

Left: 780.542+/-0.094 χ^2/NDF : 2111539.3/47

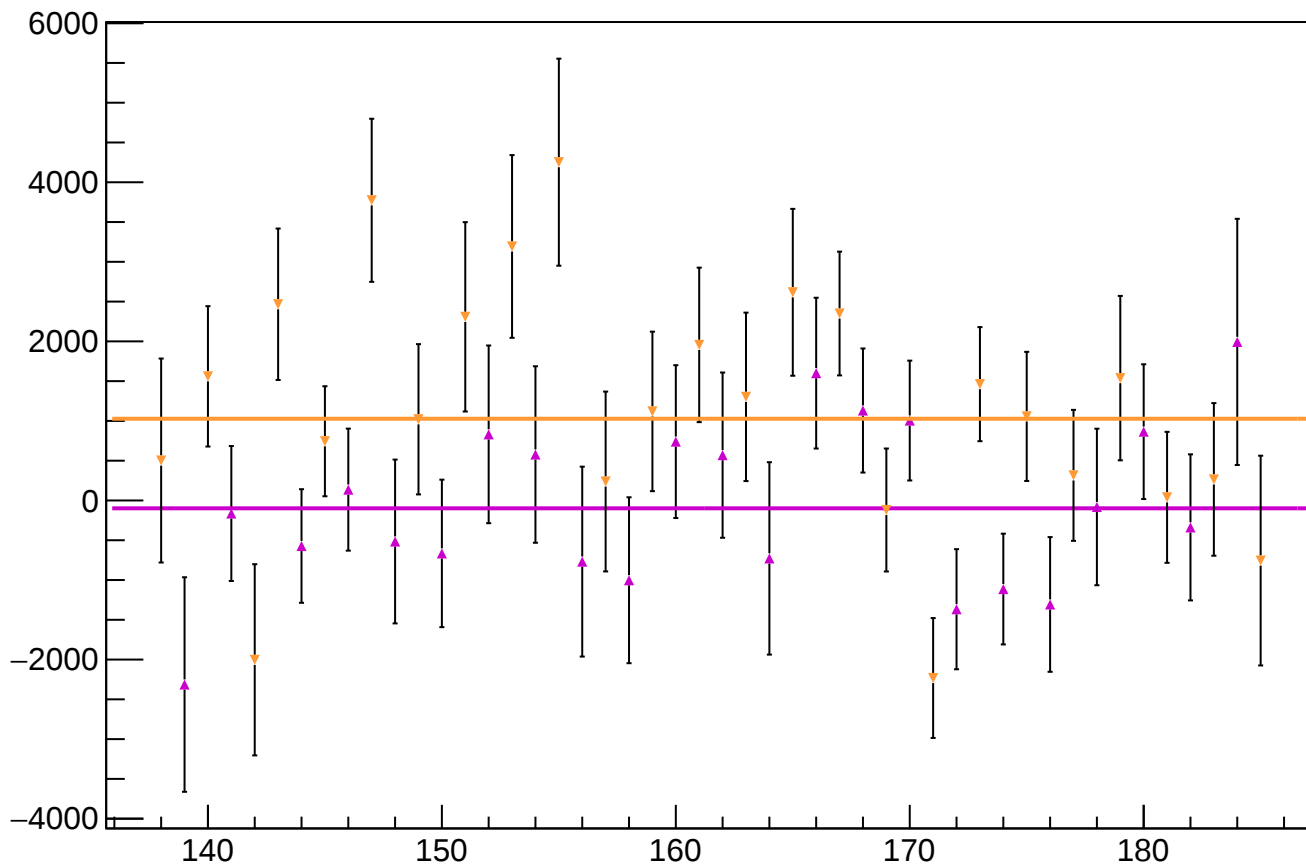
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 778.995+/-0.134 χ^2/NDF :980243.4/22

Out: 782.023+/-0.131 χ^2/NDF :1131034.8/24

All: 780.542+/-0.094 χ^2/NDF : 2111539.3/47

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 1027.385+/-186.830 χ^2/NDF :60.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -98.691+/-191.027 χ^2/NDF :25.4/22

Left: 476.854+/-133.568 χ^2/NDF : 103.4/47

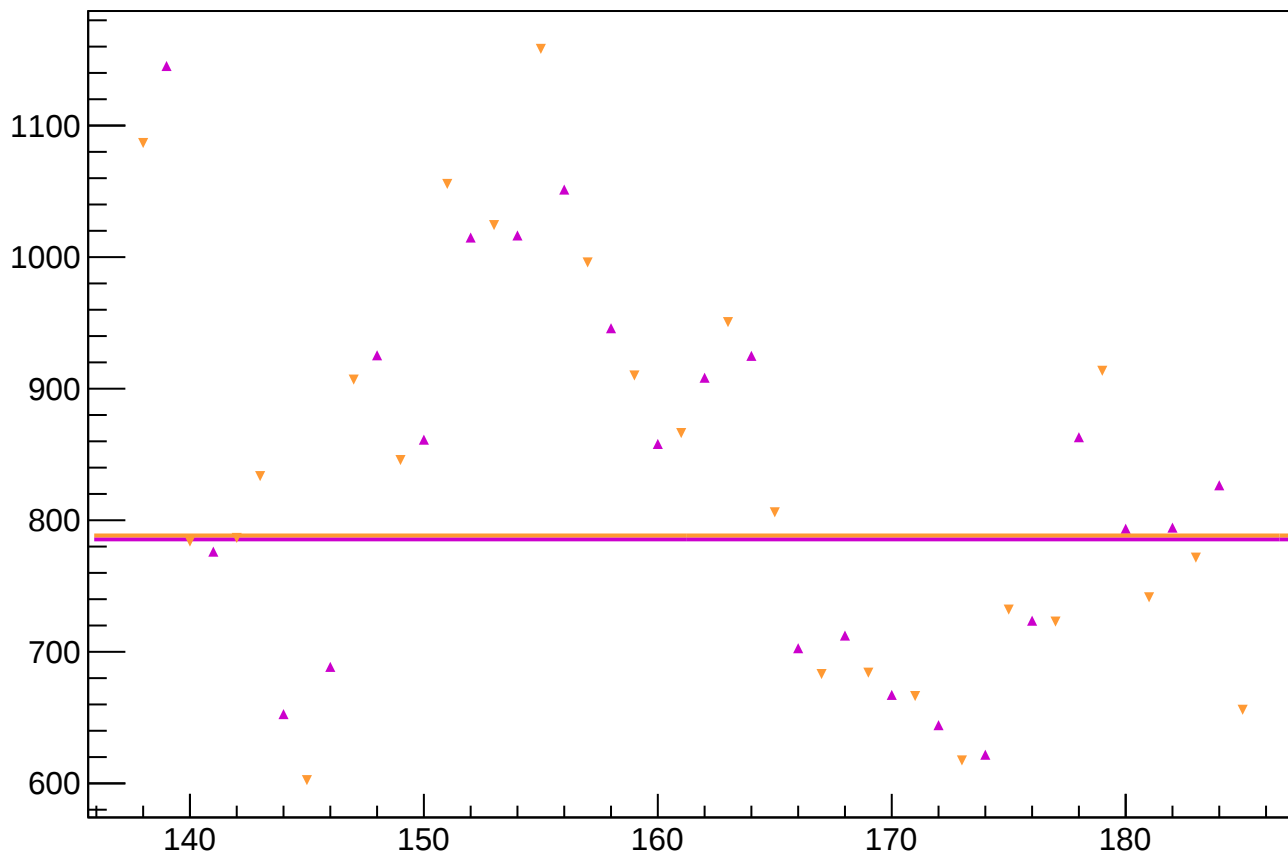
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -98.691+/-191.027 χ^2/NDF :25.4/22

Out: 1027.385+/-186.830 χ^2/NDF :60.2/24

All: 476.854+/-133.568 χ^2/NDF : 103.4/47

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 788.423+/-0.132 χ^2/NDF :1113781.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 785.490+/-0.135 χ^2/NDF :965338.9/22

Left: 786.989+/-0.094 χ^2/NDF : 2079360.9/47

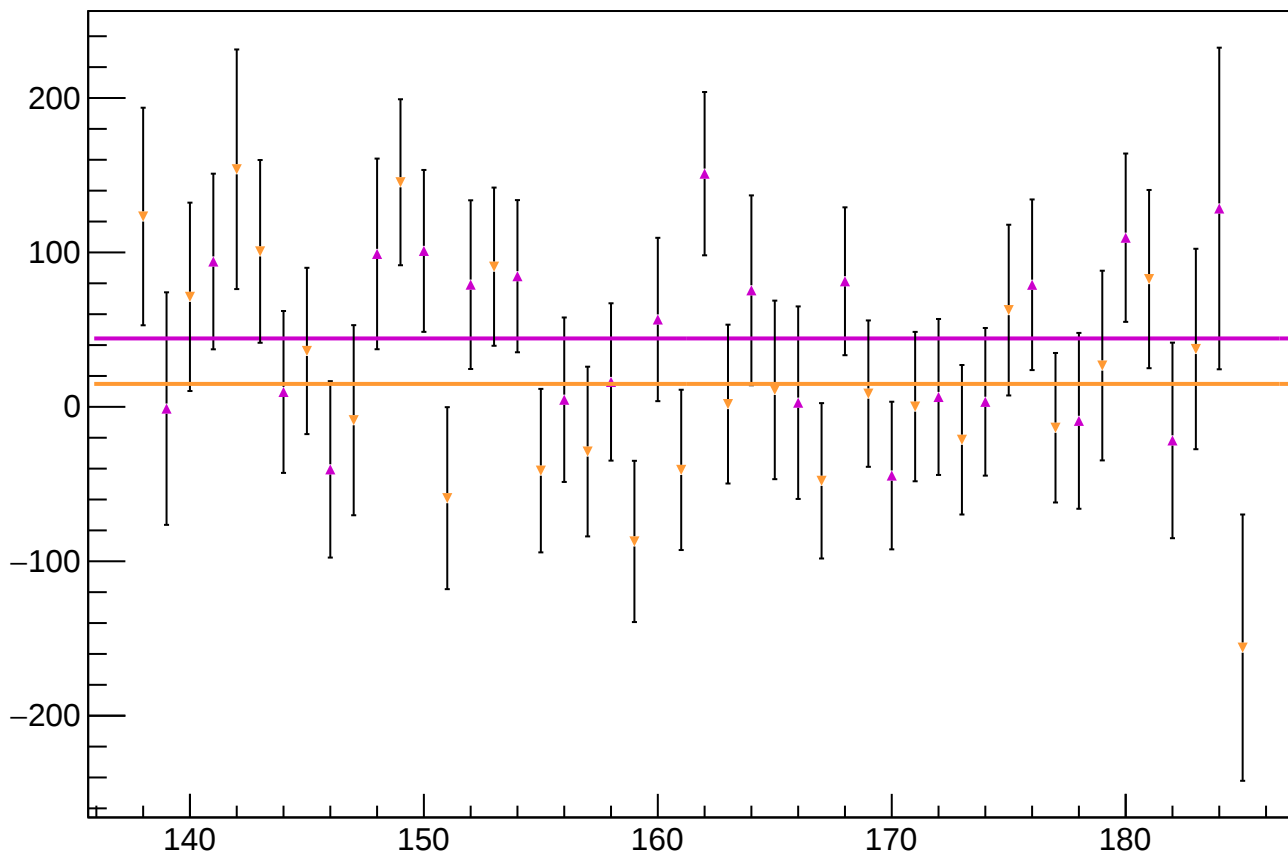
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 785.490+/-0.135 χ^2/NDF :965338.9/22

Out: 788.423+/-0.132 χ^2/NDF :1113781.1/24

All: 786.989+/-0.094 χ^2/NDF : 2079360.9/47

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 14.858 $\pm$ 11.155 χ^2 /NDF:34.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

Left: 29.092 $\pm$ 8.017 χ^2 /NDF: 59.8/47

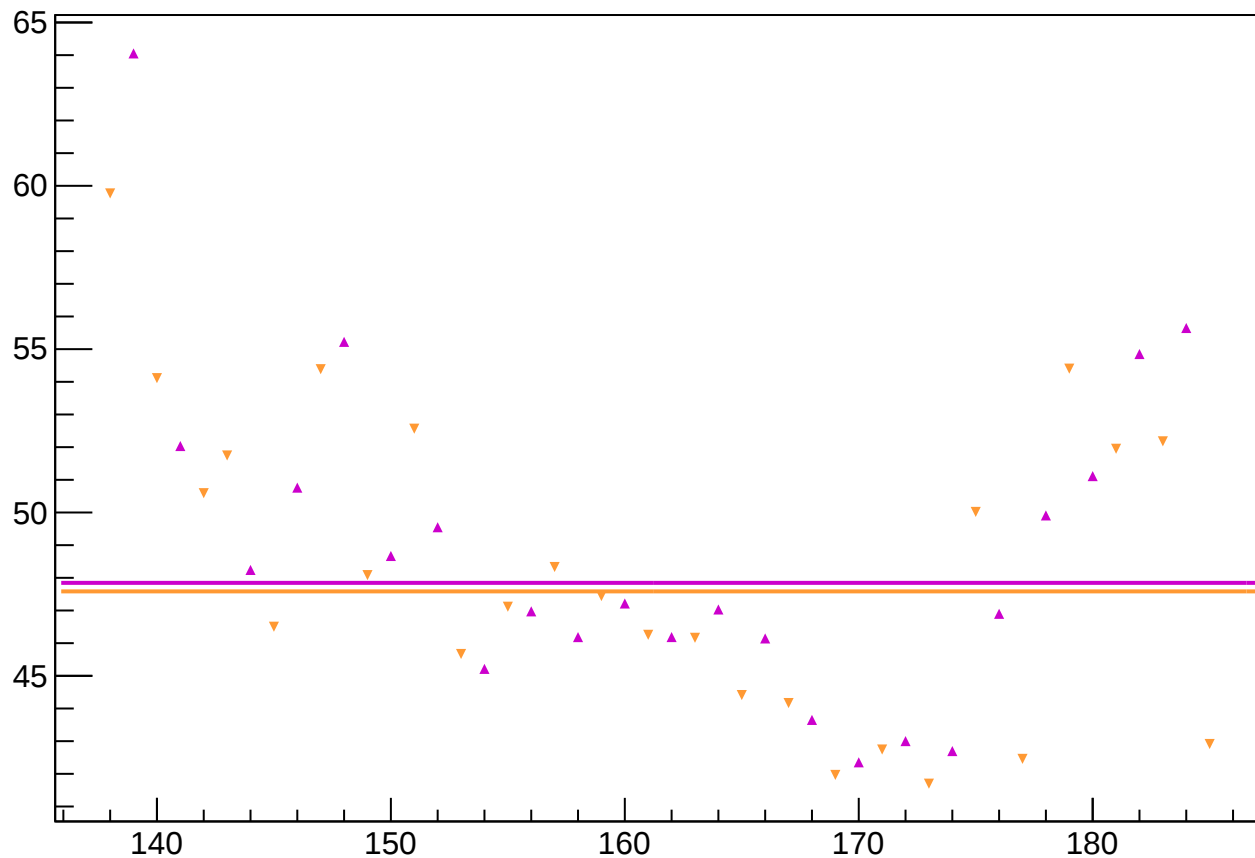
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

Out: 14.858 $\pm$ 11.155 χ^2 /NDF:34.1/24

All: 29.092 $\pm$ 8.017 χ^2 /NDF: 59.8/47

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 47.585+/-0.008 χ^2/NDF :312738.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 47.846+/-0.008 χ^2/NDF :281790.1/22

Left: 47.711+/-0.006 χ^2/NDF : 595059.1/47

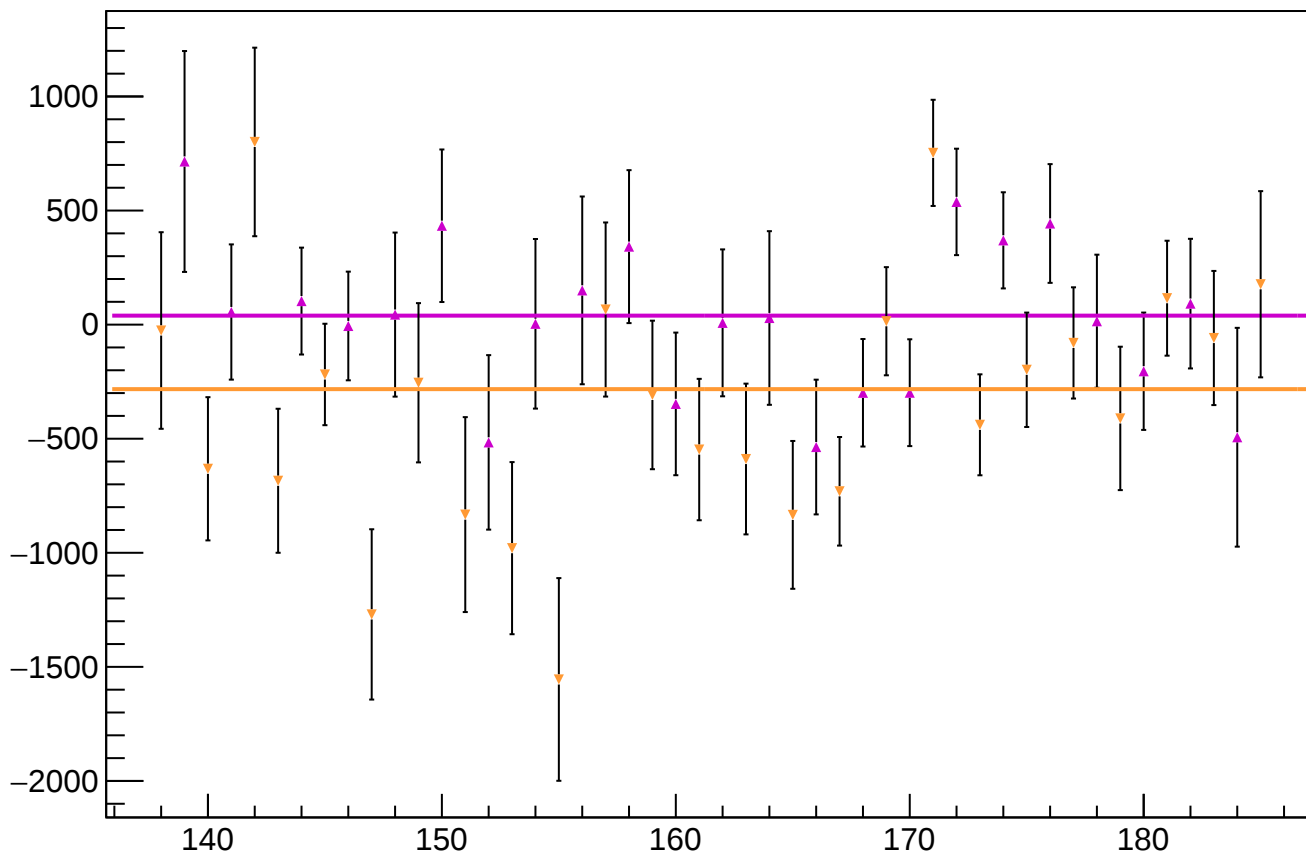
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.846+/-0.008 χ^2/NDF :281790.1/22

Out: 47.585+/-0.008 χ^2/NDF :312738.8/24

All: 47.711+/-0.006 χ^2/NDF : 595059.1/47

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -282.726+/-59.696 χ^2/NDF :66.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 39.432+/-60.759 χ^2/NDF :27.5/22

Left: -124.488+/-42.582 χ^2/NDF : 108.4/47

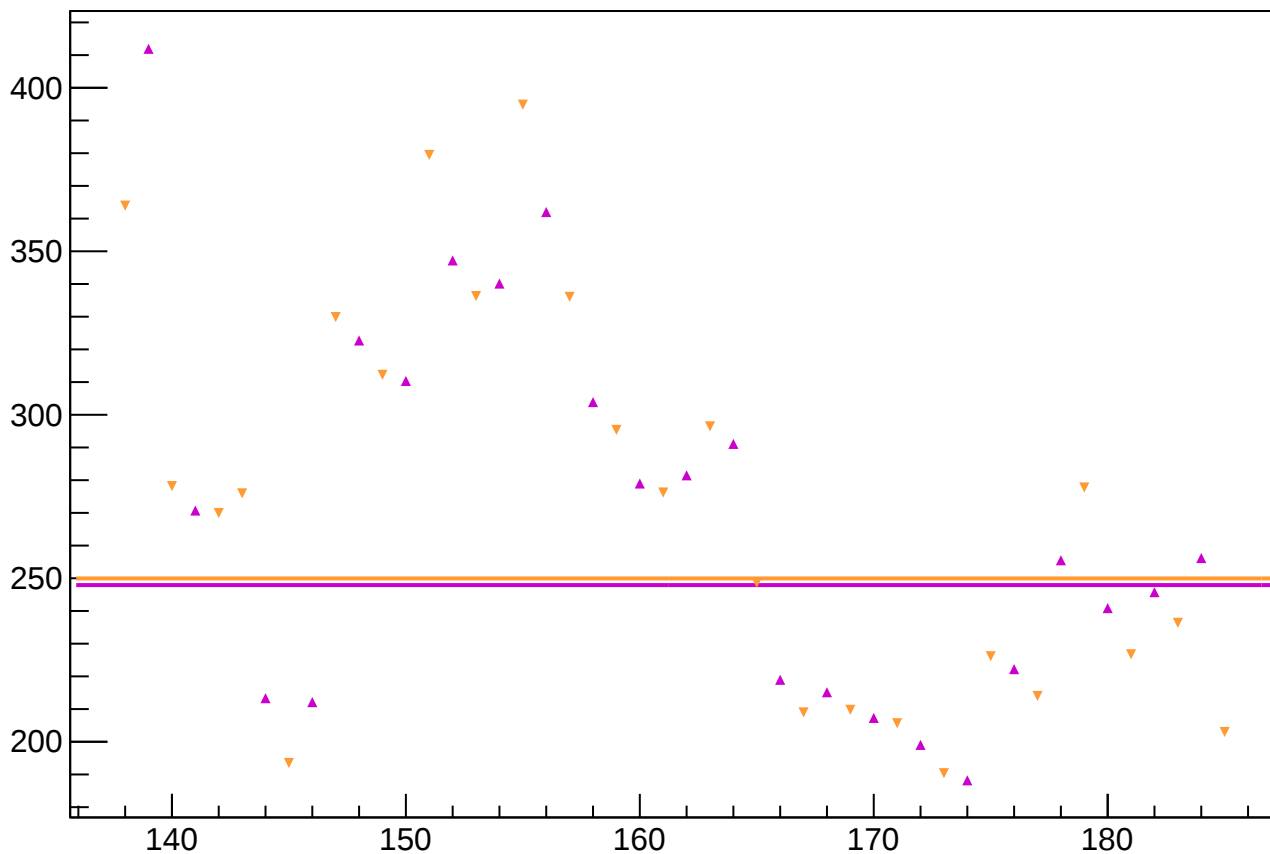
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 39.432+/-60.759 χ^2/NDF :27.5/22

Out: -282.726+/-59.696 χ^2/NDF :66.5/24

All: -124.488+/-42.582 χ^2/NDF : 108.4/47

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 249.951+/-0.042 χ^2/NDF :1614308.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 247.917+/-0.043 χ^2/NDF :1410847.5/22

Left: 248.952+/-0.030 χ^2/NDF : 3026296.9/47

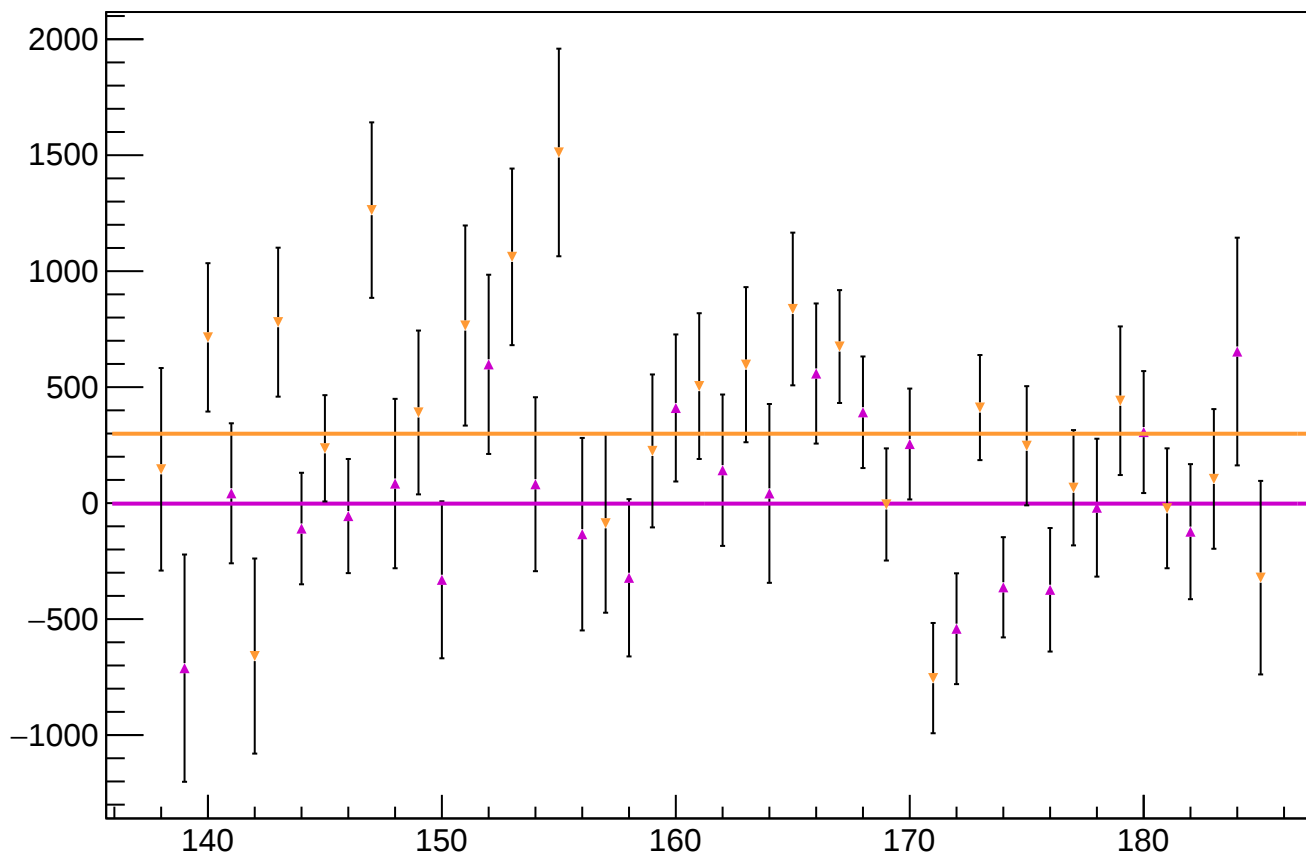
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 247.917+/-0.043 χ^2/NDF :1410847.5/22

Out: 249.951+/-0.042 χ^2/NDF :1614308.8/24

All: 248.952+/-0.030 χ^2/NDF : 3026296.9/47

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 299.216+/-60.866 χ^2/NDF : 62.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -2.185+/-62.005 χ^2/NDF : 29.2/22

Left: 151.308+/-43.436 χ^2/NDF : 103.7/47

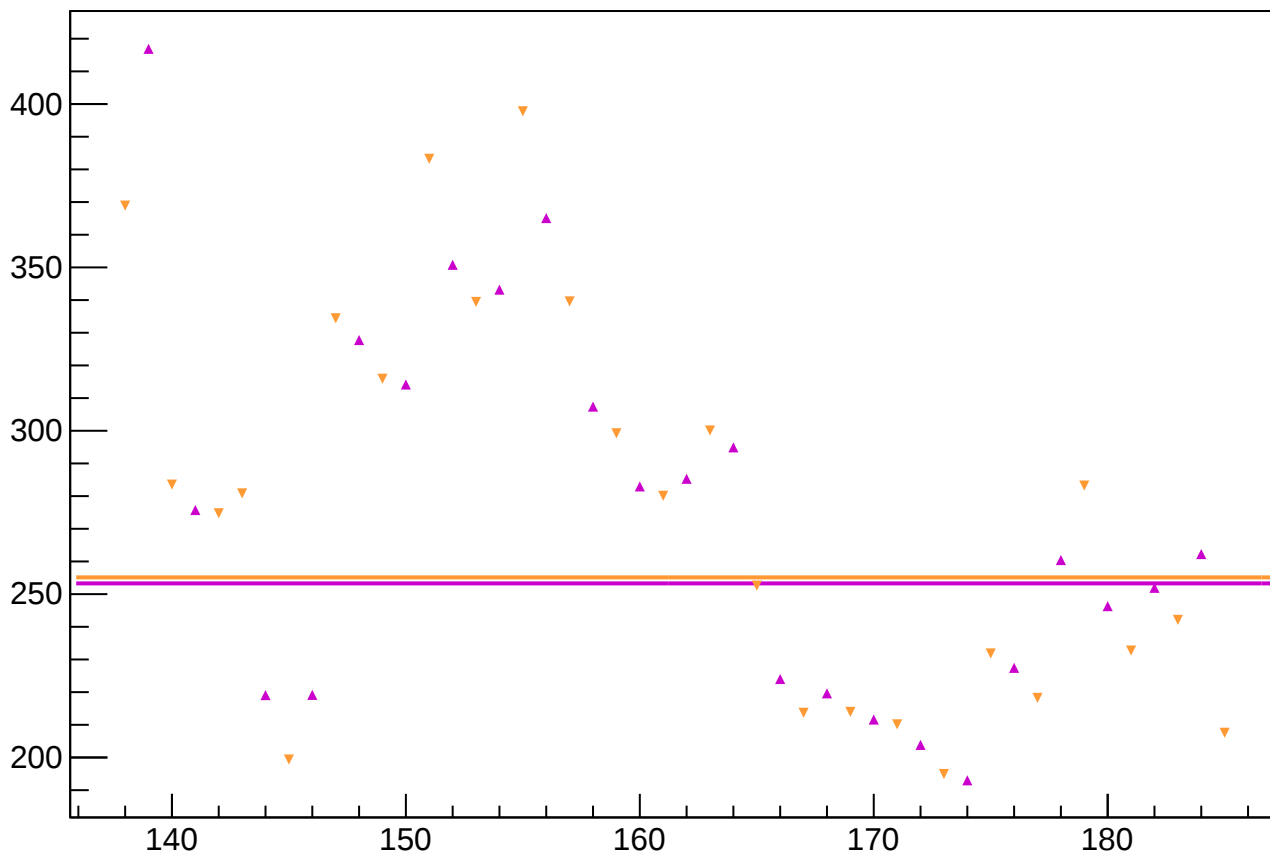
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.185+/-62.005 χ^2/NDF : 29.2/22

Out: 299.216+/-60.866 χ^2/NDF : 62.5/24

All: 151.308+/-43.436 χ^2/NDF : 103.7/47

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 255.130+/-0.043 χ^2/NDF :1542134.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 253.287+/-0.044 χ^2/NDF :1341662.3/22

Left: 254.226+/-0.031 χ^2/NDF : 2884695.8/47

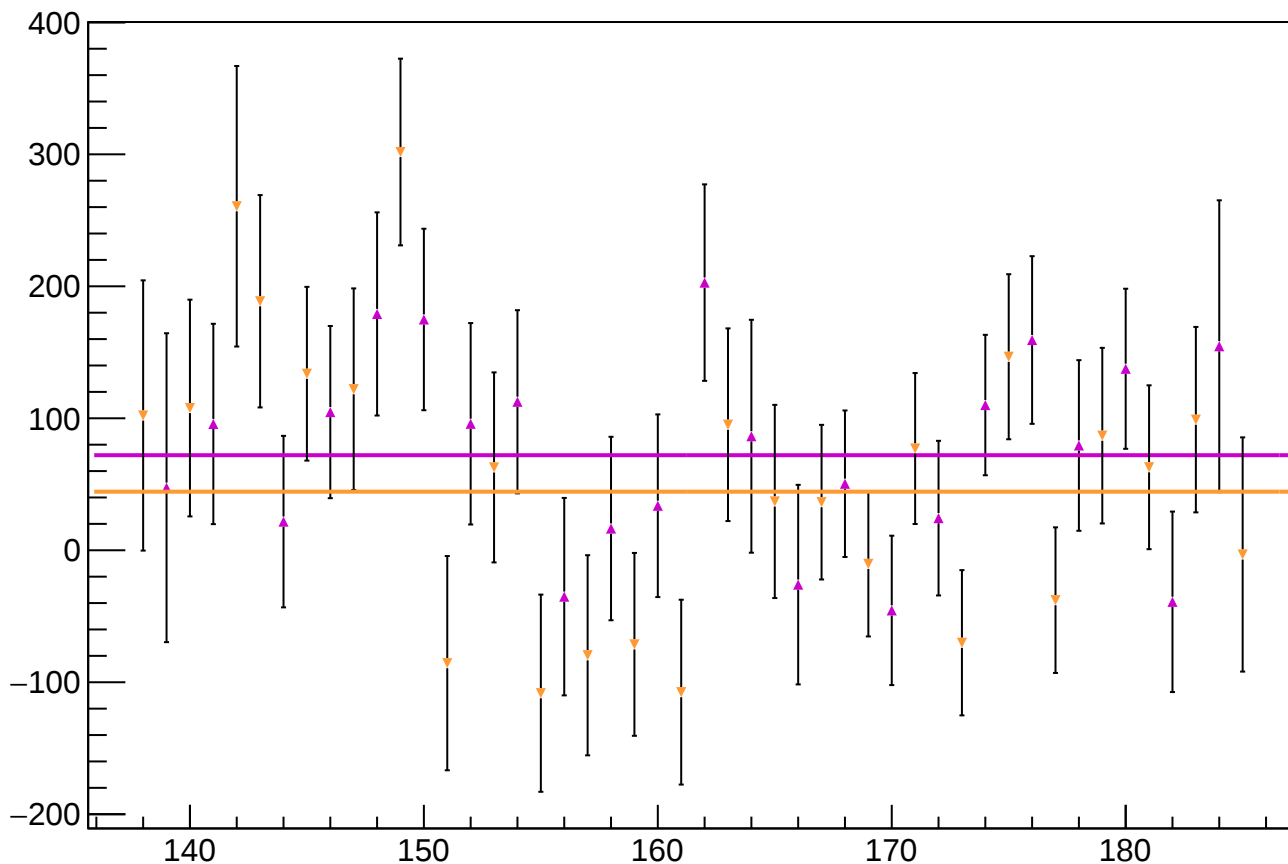
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 253.287+/-0.044 χ^2/NDF :1341662.3/22

Out: 255.130+/-0.043 χ^2/NDF :1542134.1/24

All: 254.226+/-0.031 χ^2/NDF : 2884695.8/47

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 44.398+/-13.826 χ^2/NDF :53.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 72.037+/-14.296 χ^2/NDF :25.3/22

Left: 57.755+/-9.939 χ^2/NDF : 81.0/47

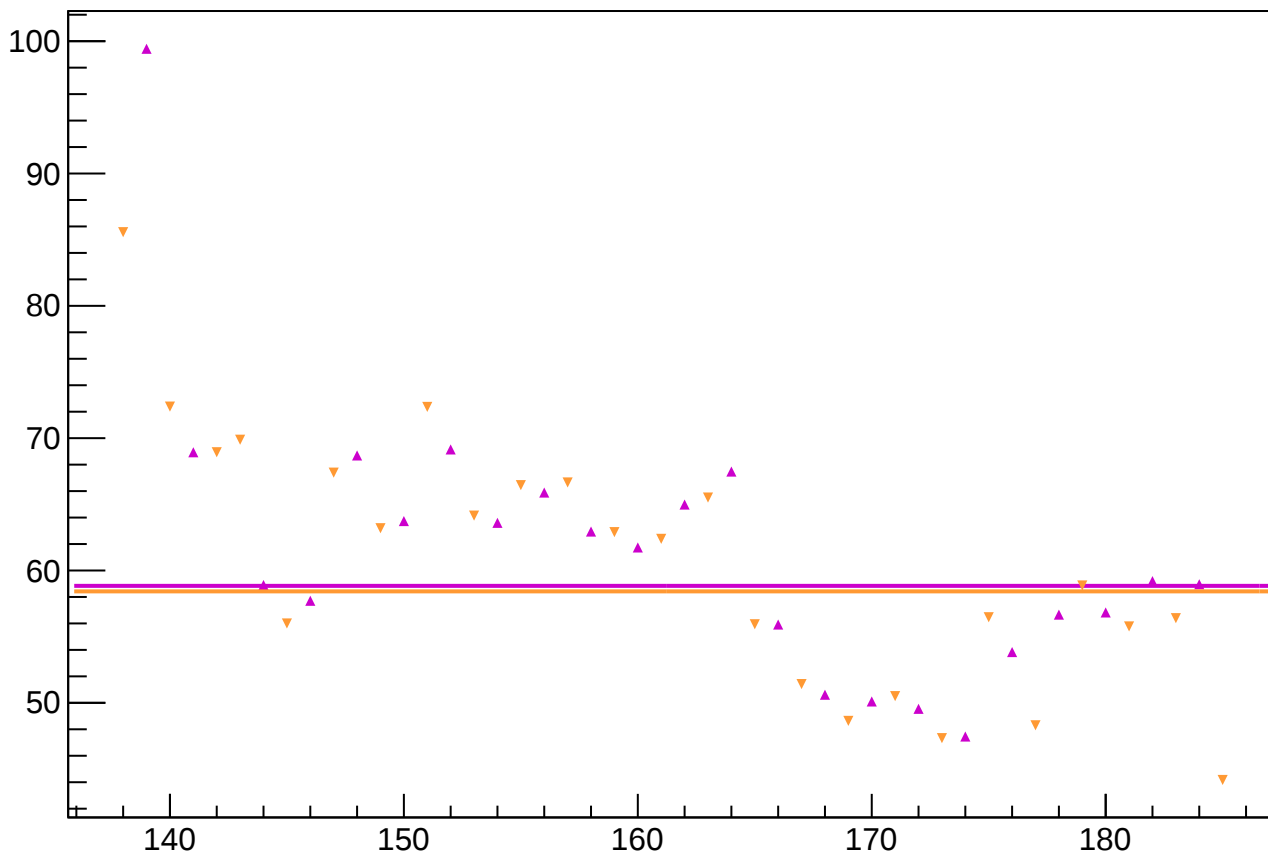
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 72.037+/-14.296 χ^2/NDF :25.3/22

Out: 44.398+/-13.826 χ^2/NDF :53.8/24

All: 57.755+/-9.939 χ^2/NDF : 81.0/47

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 58.422+/-0.010 χ^2/NDF : 790134.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 58.840+/-0.010 χ^2/NDF : 679925.7/22

Left: 58.624+/-0.007 χ^2/NDF : 1470941.9/47

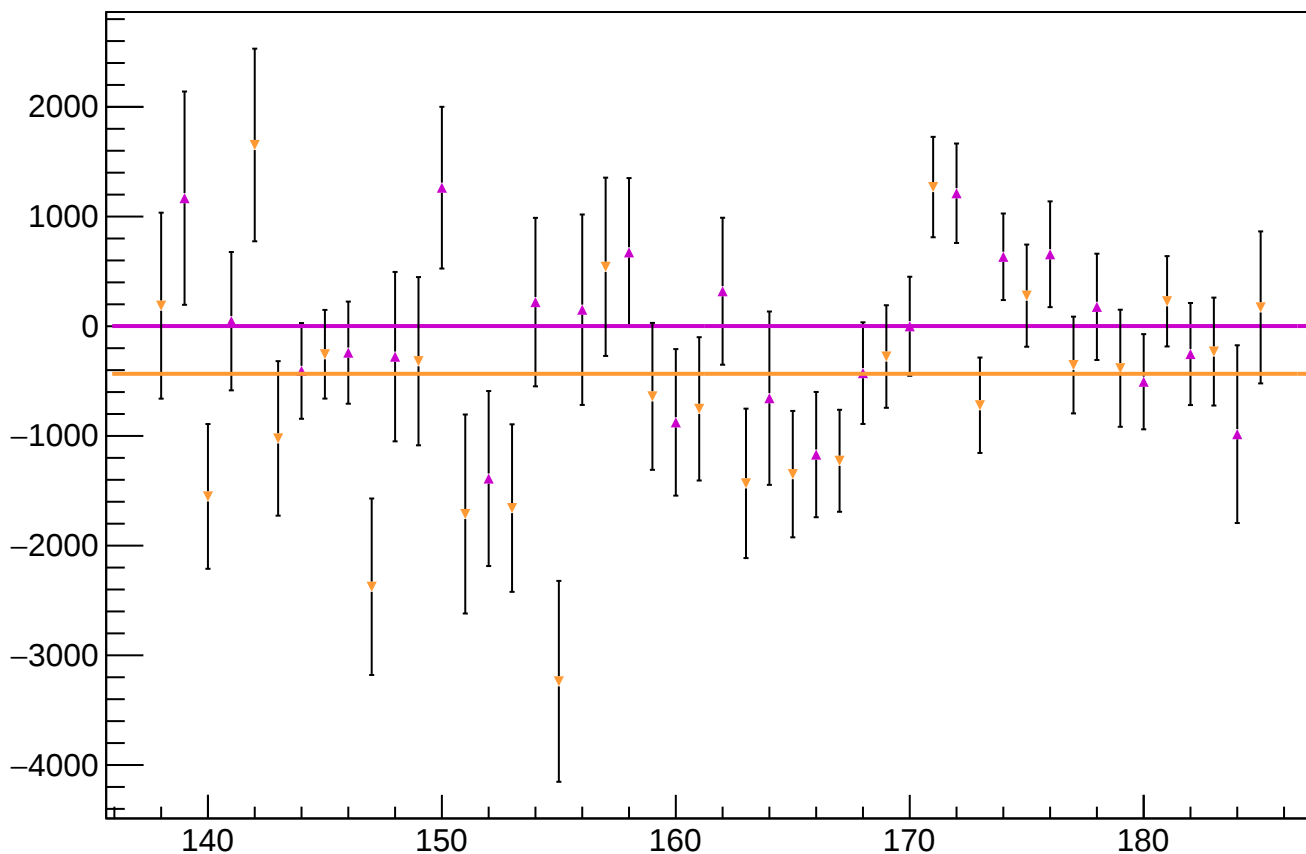
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 58.840+/-0.010 χ^2/NDF : 679925.7/22

Out: 58.422+/-0.010 χ^2/NDF : 790134.0/24

All: 58.624+/-0.007 χ^2/NDF : 1470941.9/47

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -433.473+/-114.423 χ^2/NDF :59.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 1.825+/-116.459 χ^2/NDF :32.3/22

Left: -219.662+/-81.619 χ^2/NDF : 98.8/47

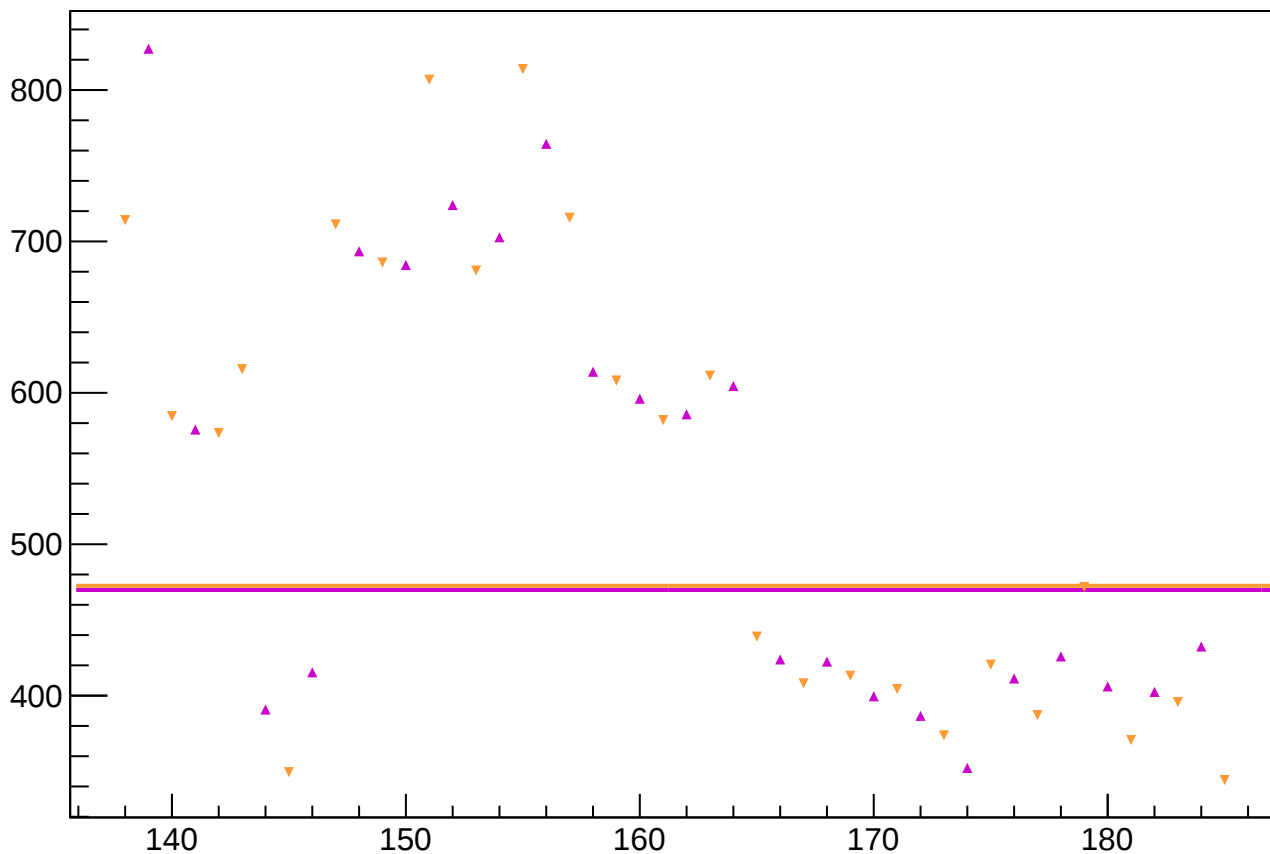
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1.825+/-116.459 χ^2/NDF :32.3/22

Out: -433.473+/-114.423 χ^2/NDF :59.3/24

All: -219.662+/-81.619 χ^2/NDF : 98.8/47

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 472.566+/-0.081 χ^2/NDF :2508462.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 469.761+/-0.082 χ^2/NDF :2116885.7/22

Left: 471.189+/-0.058 χ^2/NDF : 4625938.1/47

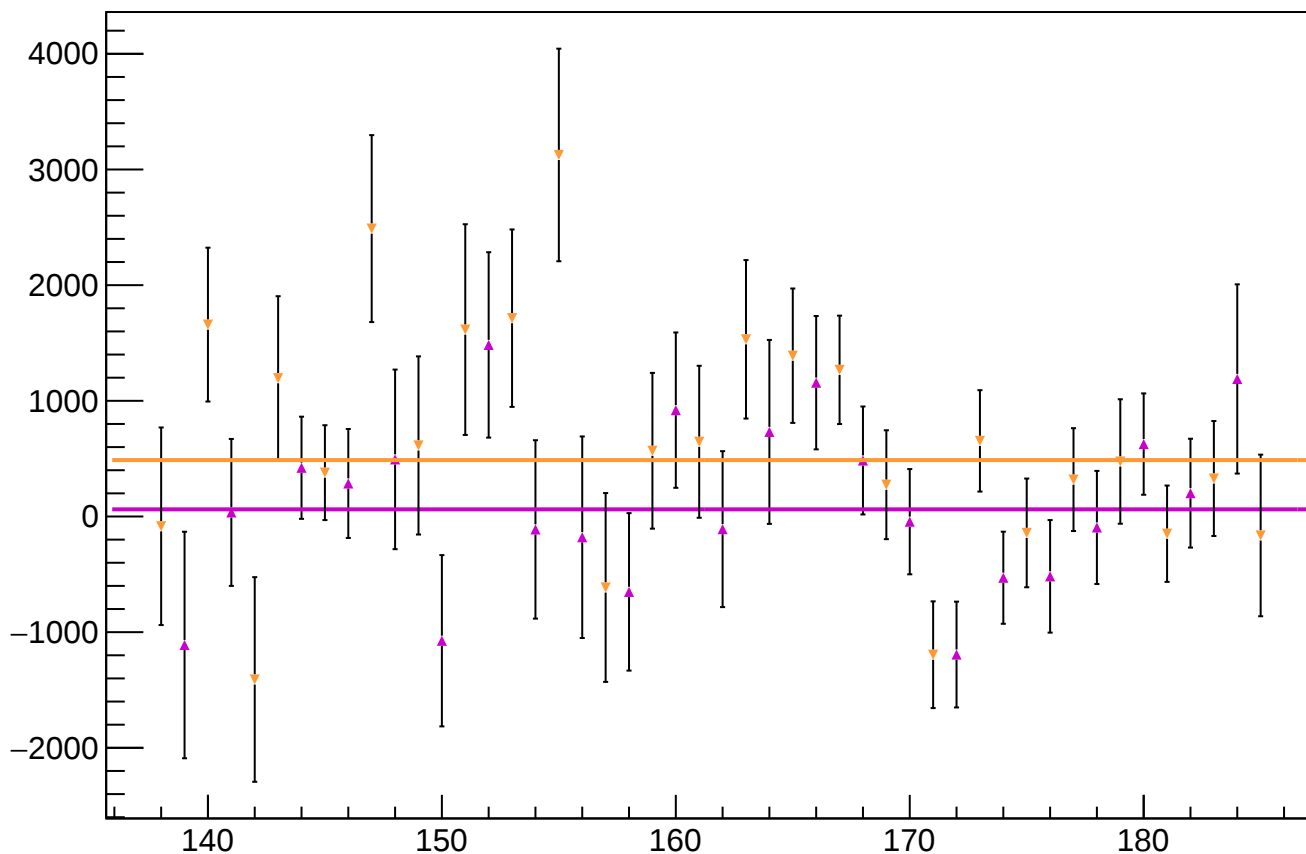
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 469.761+/-0.082 χ^2/NDF :2116885.7/22

Out: 472.566+/-0.081 χ^2/NDF :2508462.0/24

All: 471.189+/-0.058 χ^2/NDF : 4625938.1/47

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 487.561+/-115.361 χ^2/NDF :56.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 61.775+/-117.449 χ^2/NDF :31.2/22

Left: 278.486+/-82.301 χ^2/NDF : 93.8/47

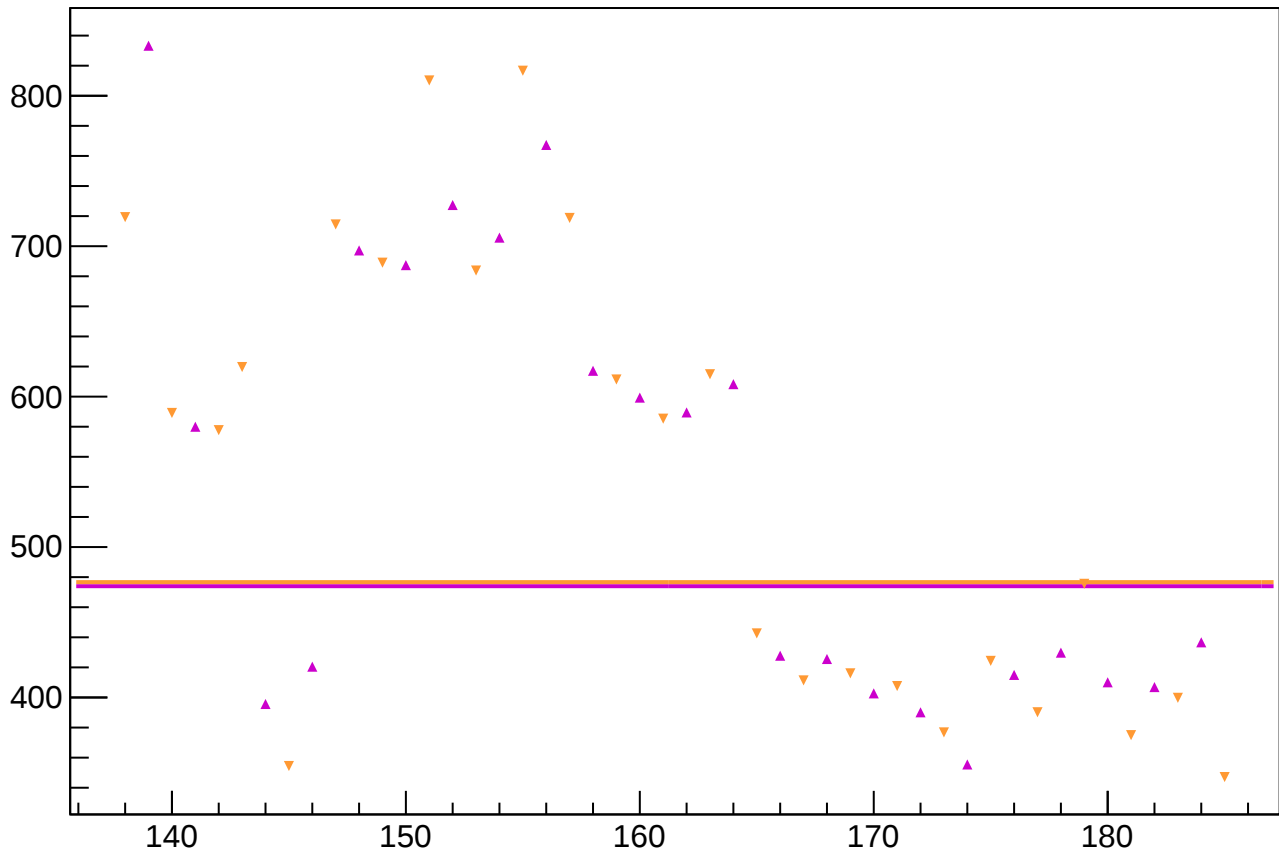
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 61.775+/-117.449 χ^2/NDF :31.2/22

Out: 487.561+/-115.361 χ^2/NDF :56.0/24

All: 278.486+/-82.301 χ^2/NDF : 93.8/47

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 476.687+/-0.082 χ^2/NDF :2473025.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 473.983+/-0.083 χ^2/NDF :2087113.7/22

Left: 475.360+/-0.058 χ^2/NDF : 4560678.7/47

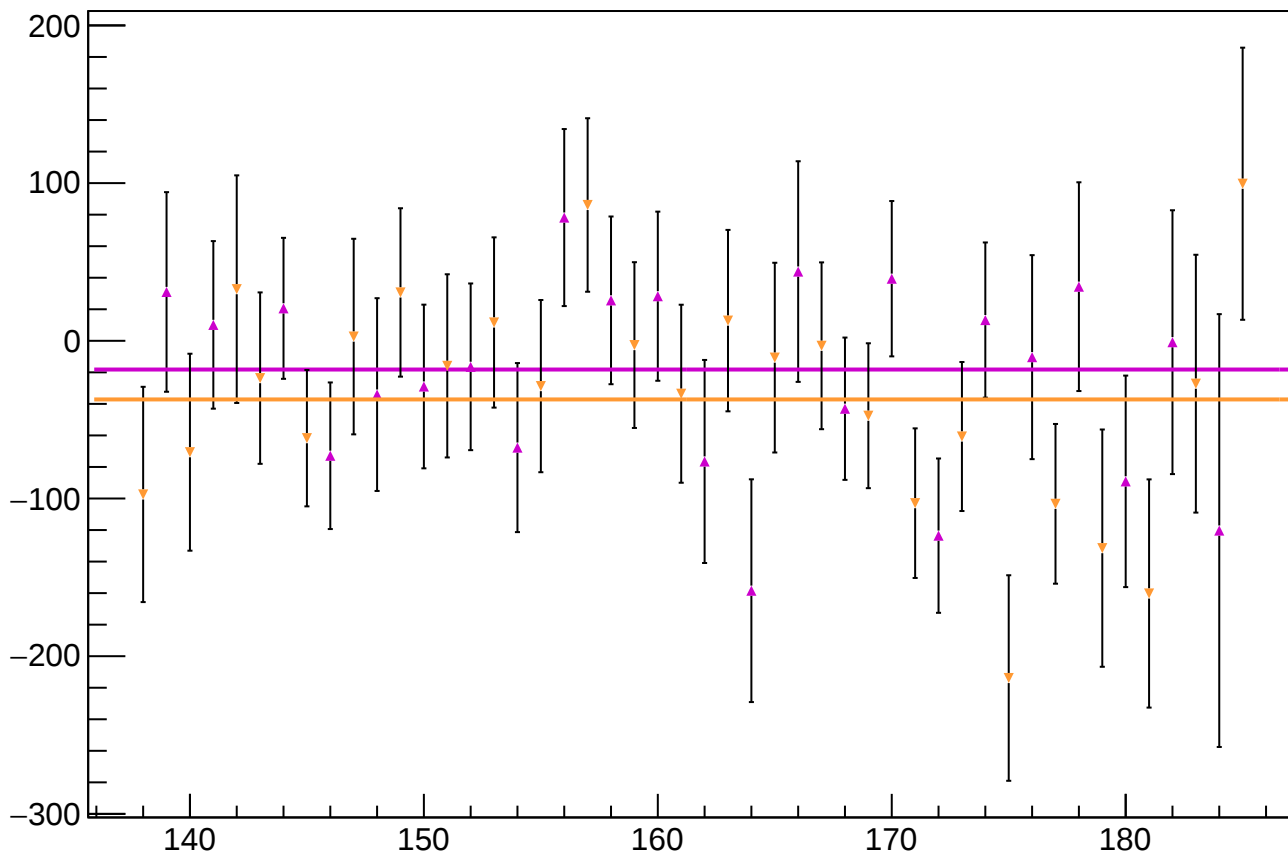
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 473.983+/-0.083 χ^2/NDF :2087113.7/22

Out: 476.687+/-0.082 χ^2/NDF :2473025.3/24

All: 475.360+/-0.058 χ^2/NDF : 4560678.7/47

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -37.177+/-11.390 χ^2/NDF :30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -18.210+/-11.788 χ^2/NDF :23.0/22

Left: -28.019+/-8.191 χ^2/NDF : 54.8/47

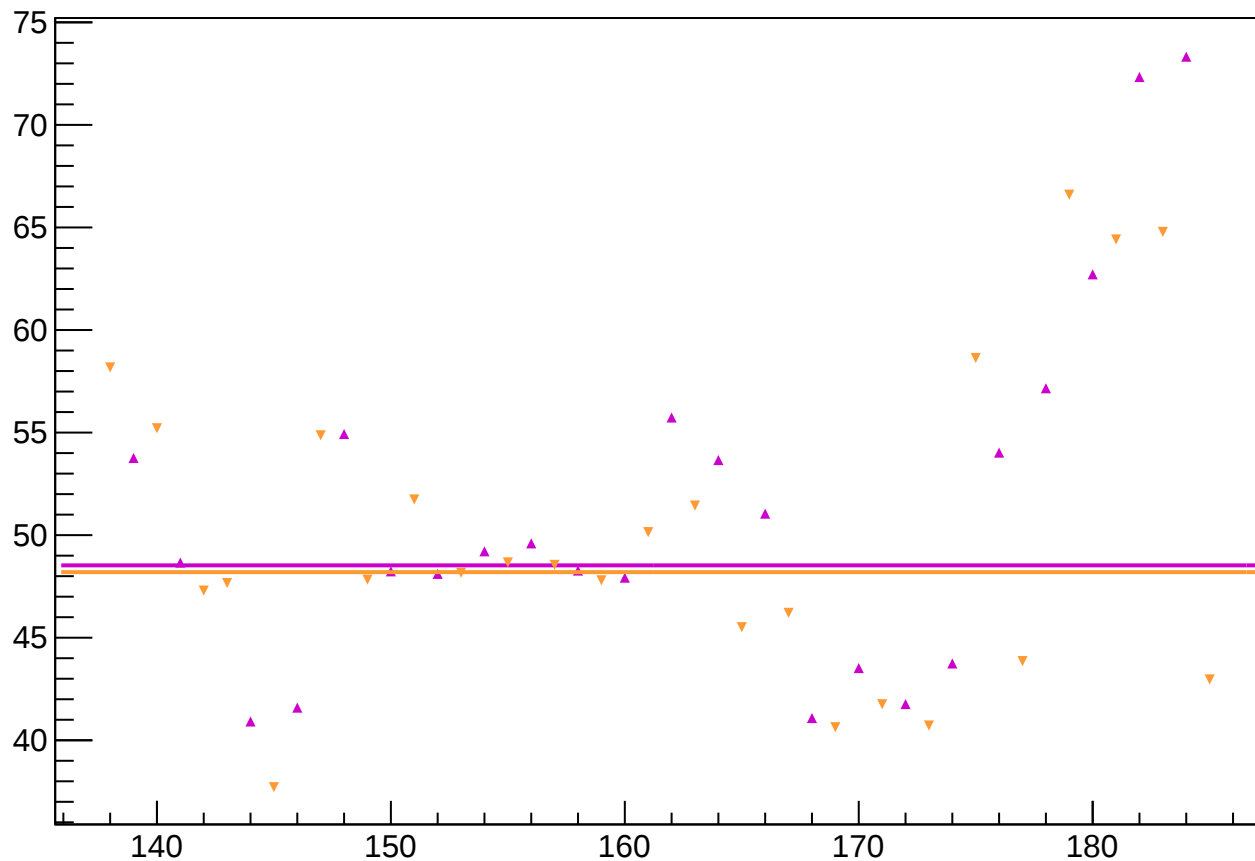
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.210+/-11.788 χ^2/NDF :23.0/22

Out: -37.177+/-11.390 χ^2/NDF :30.5/24

All: -28.019+/-8.191 χ^2/NDF : 54.8/47

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 48.197+/-0.008 χ^2/NDF : 749525.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 48.527+/-0.008 χ^2/NDF : 675340.8/22

Left: 48.356+/-0.006 χ^2/NDF : 1425674.4/47

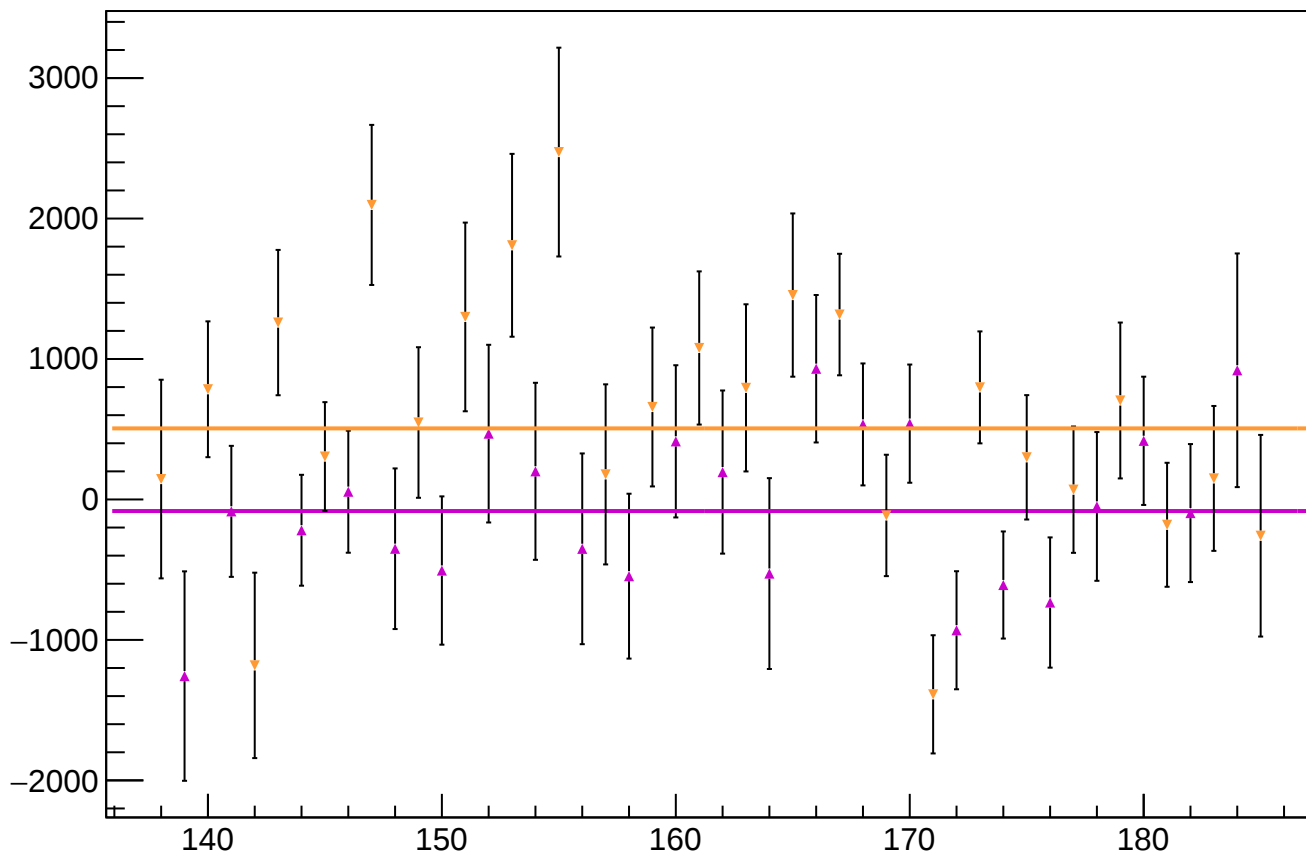
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 48.527+/-0.008 χ^2/NDF : 675340.8/22

Out: 48.197+/-0.008 χ^2/NDF : 749525.3/24

All: 48.356+/-0.006 χ^2/NDF : 1425674.4/47

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 505.932+/-103.479 χ^2/NDF :65.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -82.421+/-105.935 χ^2/NDF :25.3/22

Left: 218.655+/-74.024 χ^2/NDF : 106.9/47

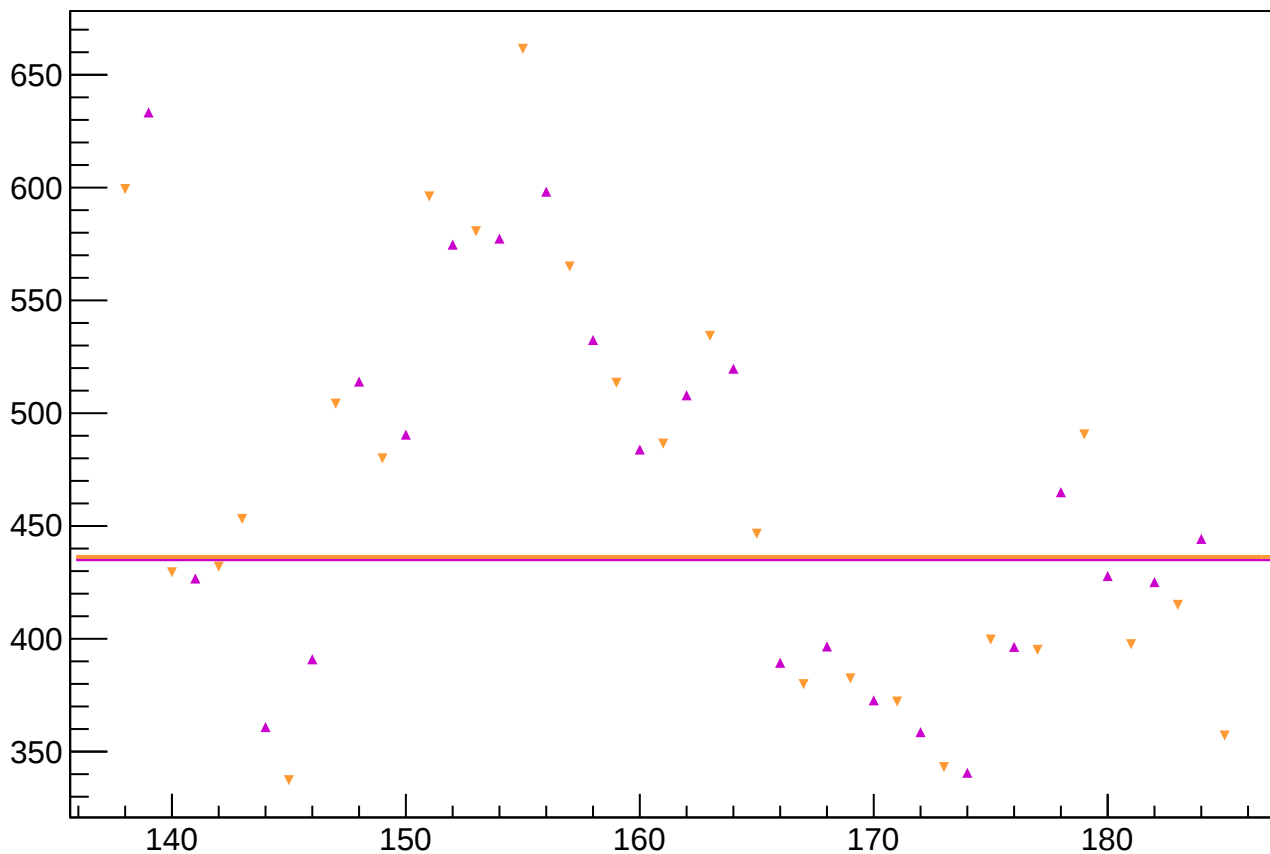
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -82.421+/-105.935 χ^2/NDF :25.3/22

Out: 505.932+/-103.479 χ^2/NDF :65.7/24

All: 218.655+/-74.024 χ^2/NDF : 106.9/47

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 436.293+/-0.073 χ^2/NDF :1179436.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 435.275+/-0.075 χ^2/NDF :1027713.1/22

Left: 435.796+/-0.052 χ^2/NDF : 2207243.9/47

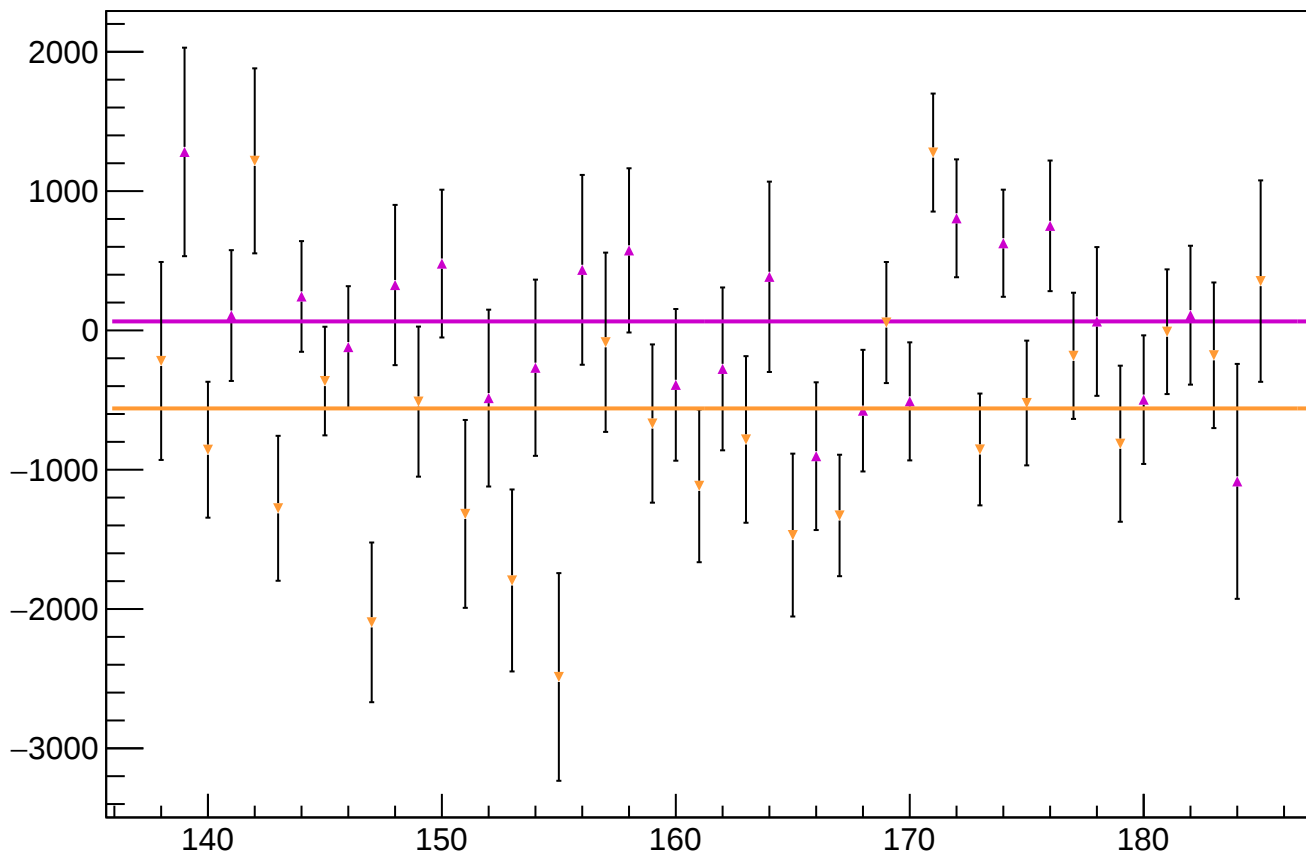
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 435.275+/-0.075 χ^2/NDF :1027713.1/22

Out: 436.293+/-0.073 χ^2/NDF :1179436.3/24

All: 435.796+/-0.052 χ^2/NDF : 2207243.9/47

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -560.045 $\pm$ 104.218 χ^2 /NDF:61.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 64.594 $\pm$ 106.708 χ^2 /NDF:25.2/22

Left: -255.096 $\pm$ 74.558 χ^2 /NDF: 104.5/47

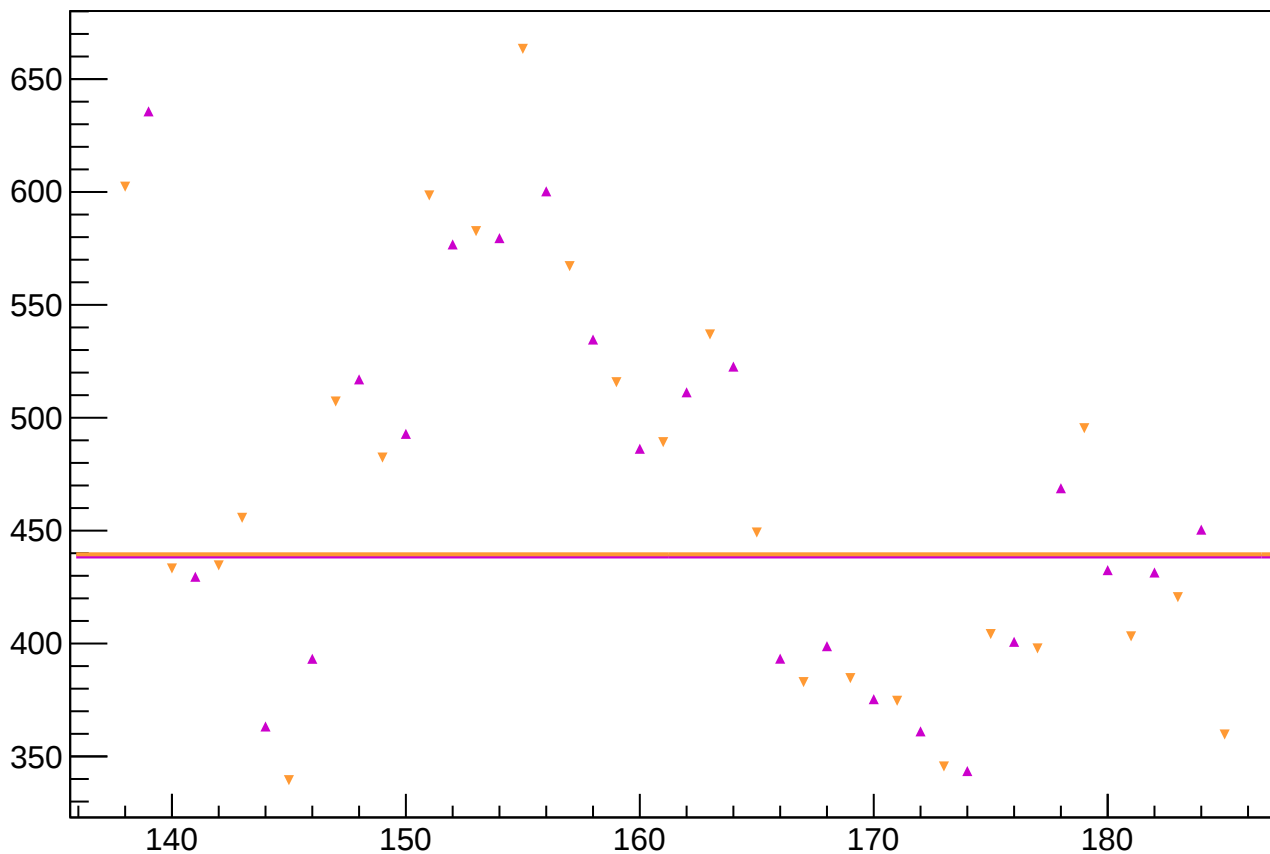
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 64.594 $\pm$ 106.708 χ^2 /NDF:25.2/22

Out: -560.045 $\pm$ 104.218 χ^2 /NDF:61.8/24

All: -255.096 $\pm$ 74.558 χ^2 /NDF: 104.5/47

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 439.518+/-0.074 χ^2/NDF :1163430.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 438.548+/-0.075 χ^2/NDF :1013071.4/22

Left: 439.044+/-0.053 χ^2/NDF : 2176586.1/47

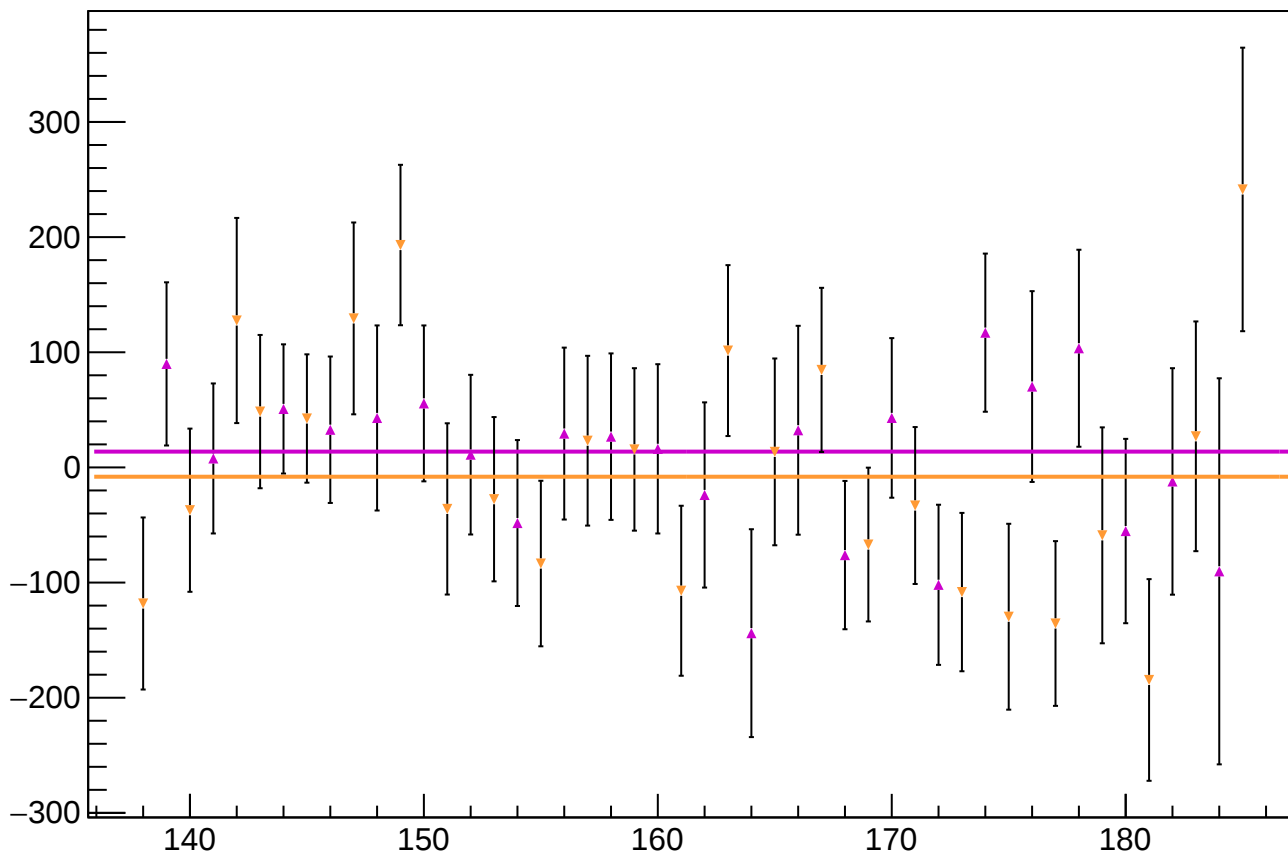
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 438.548+/-0.075 χ^2/NDF :1013071.4/22

Out: 439.518+/-0.074 χ^2/NDF :1163430.1/24

All: 439.044+/-0.053 χ^2/NDF : 2176586.1/47

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -8.078 $\pm$ 14.936 χ^2 /NDF:41.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 13.723 $\pm$ 15.478 χ^2 /NDF:16.3/22

Left: 2.434 $\pm$ 10.748 χ^2 /NDF: 59.0/47

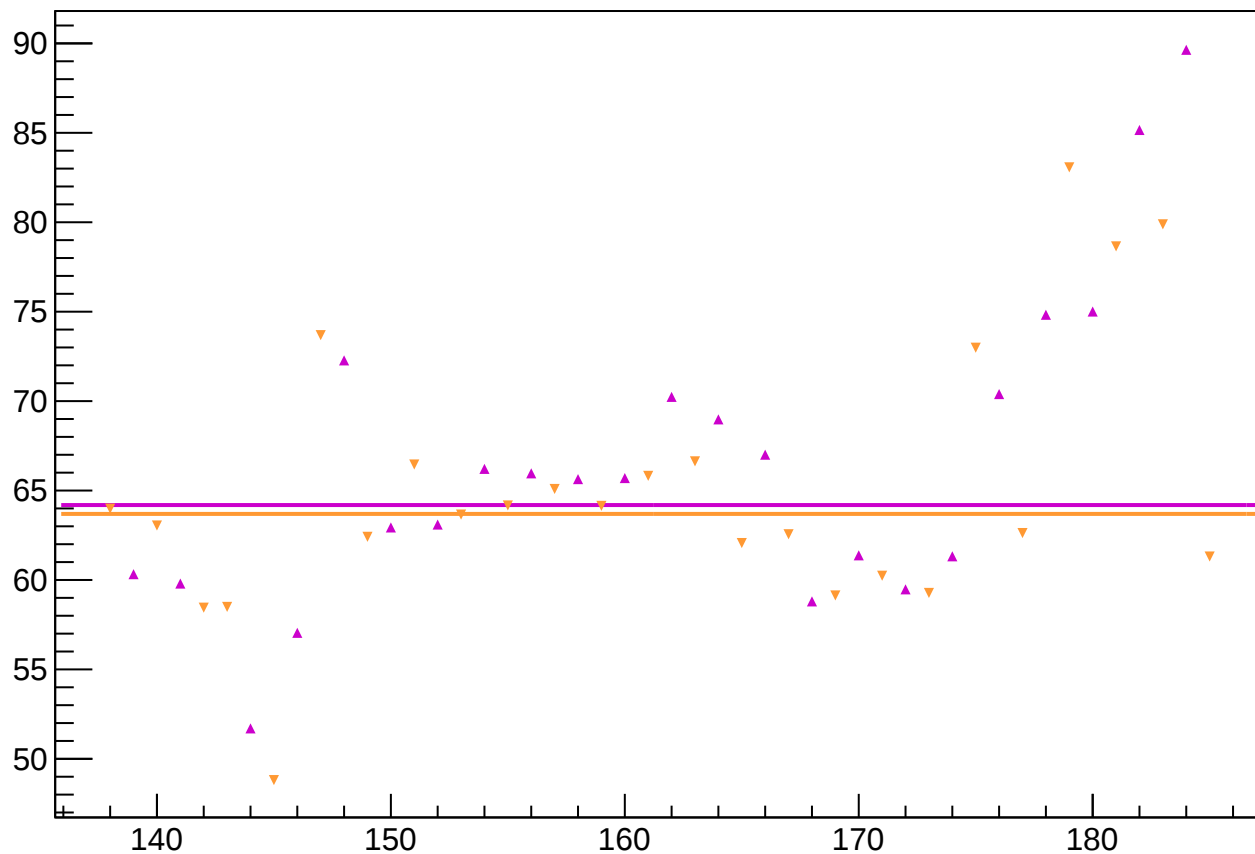
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 13.723 $\pm$ 15.478 χ^2 /NDF:16.3/22

Out: -8.078 $\pm$ 14.936 χ^2 /NDF:41.7/24

All: 2.434 $\pm$ 10.748 χ^2 /NDF: 59.0/47

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 63.693+/-0.011 χ^2/NDF : 448071.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 64.189+/-0.011 χ^2/NDF : 429670.3/22

Left: 63.932+/-0.008 χ^2/NDF : 878804.3/47

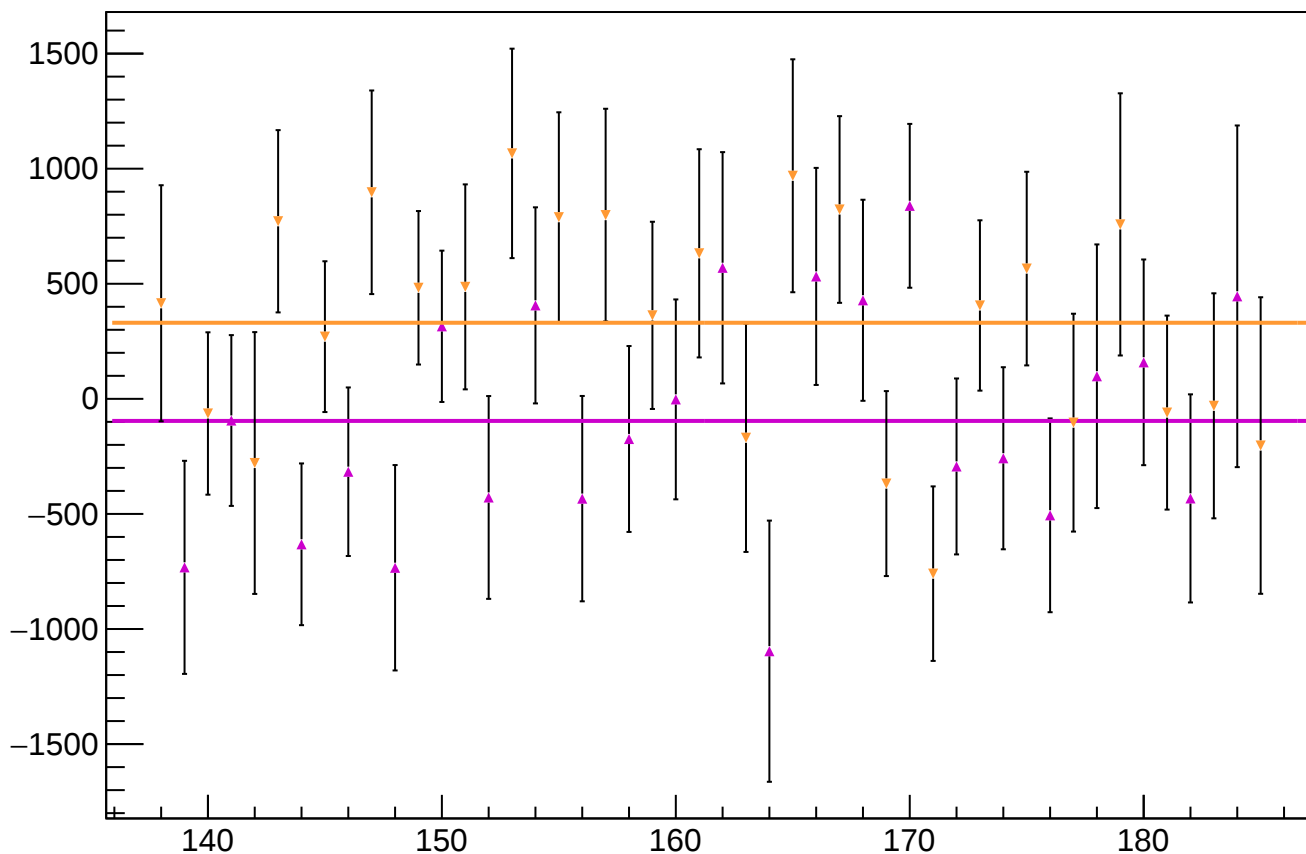
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 64.189+/-0.011 χ^2/NDF : 429670.3/22

Out: 63.693+/-0.011 χ^2/NDF : 448071.6/24

All: 63.932+/-0.008 χ^2/NDF : 878804.3/47

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 330.583 $\pm$ 86.079 χ^2 /NDF:30.0/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -95.910 $\pm$ 88.656 χ^2 /NDF:28.7/22

Left: 123.624 $\pm$ 61.758 χ^2 /NDF: 70.6/47

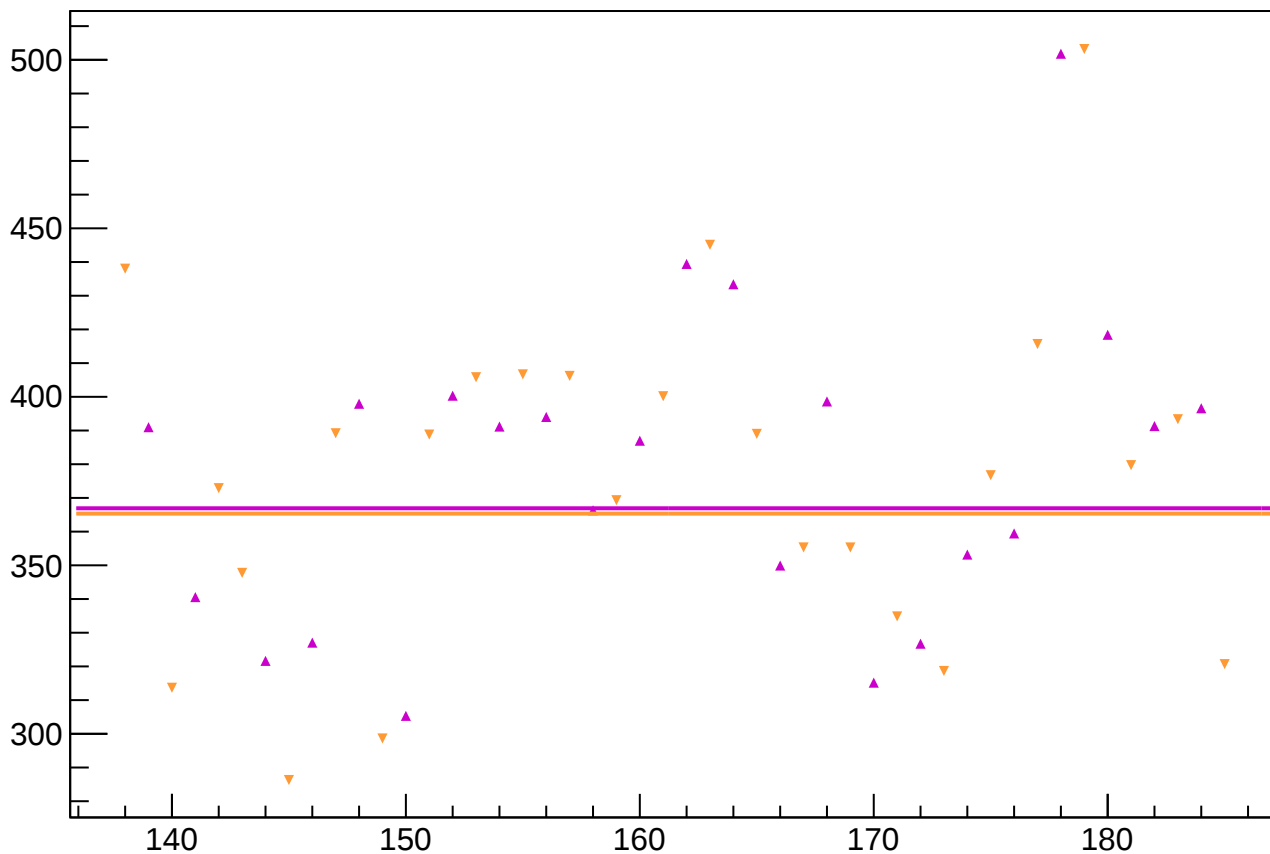
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -95.910 $\pm$ 88.656 χ^2 /NDF:28.7/22

Out: 330.583 $\pm$ 86.079 χ^2 /NDF:30.0/24

All: 123.624 $\pm$ 61.758 χ^2 /NDF: 70.6/47

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 365.344+/-0.061 χ^2/NDF : 618329.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 366.925+/-0.063 χ^2/NDF : 478082.1/22

Left: 366.111+/-0.044 χ^2/NDF : 1096738.8/47

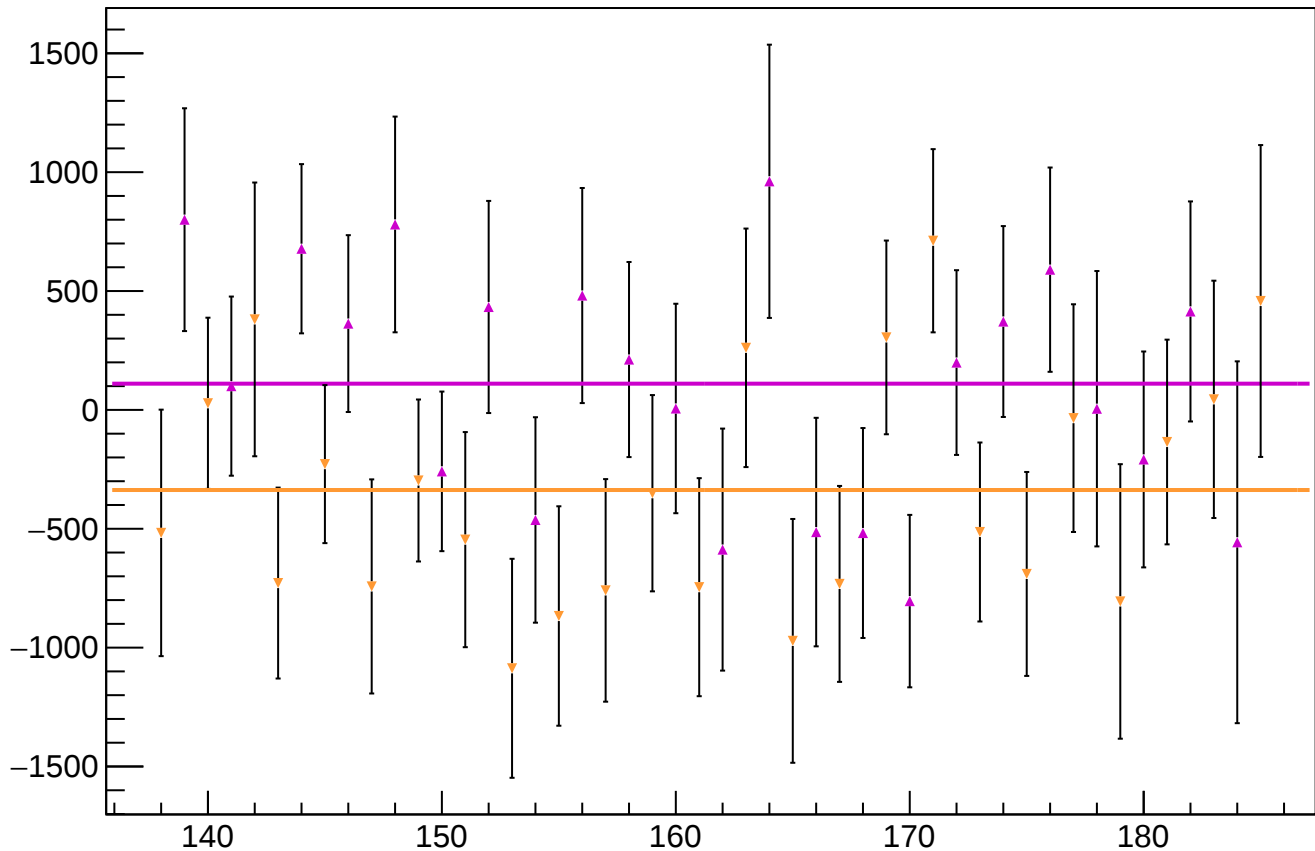
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 366.925+/-0.063 χ^2/NDF : 478082.1/22

Out: 365.344+/-0.061 χ^2/NDF : 618329.5/24

All: 366.111+/-0.044 χ^2/NDF : 1096738.8/47

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -336.977+/-87.459 χ^2/NDF :28.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 110.341+/-90.084 χ^2/NDF :29.2/22

Left: -119.931+/-62.750 χ^2/NDF : 70.3/47

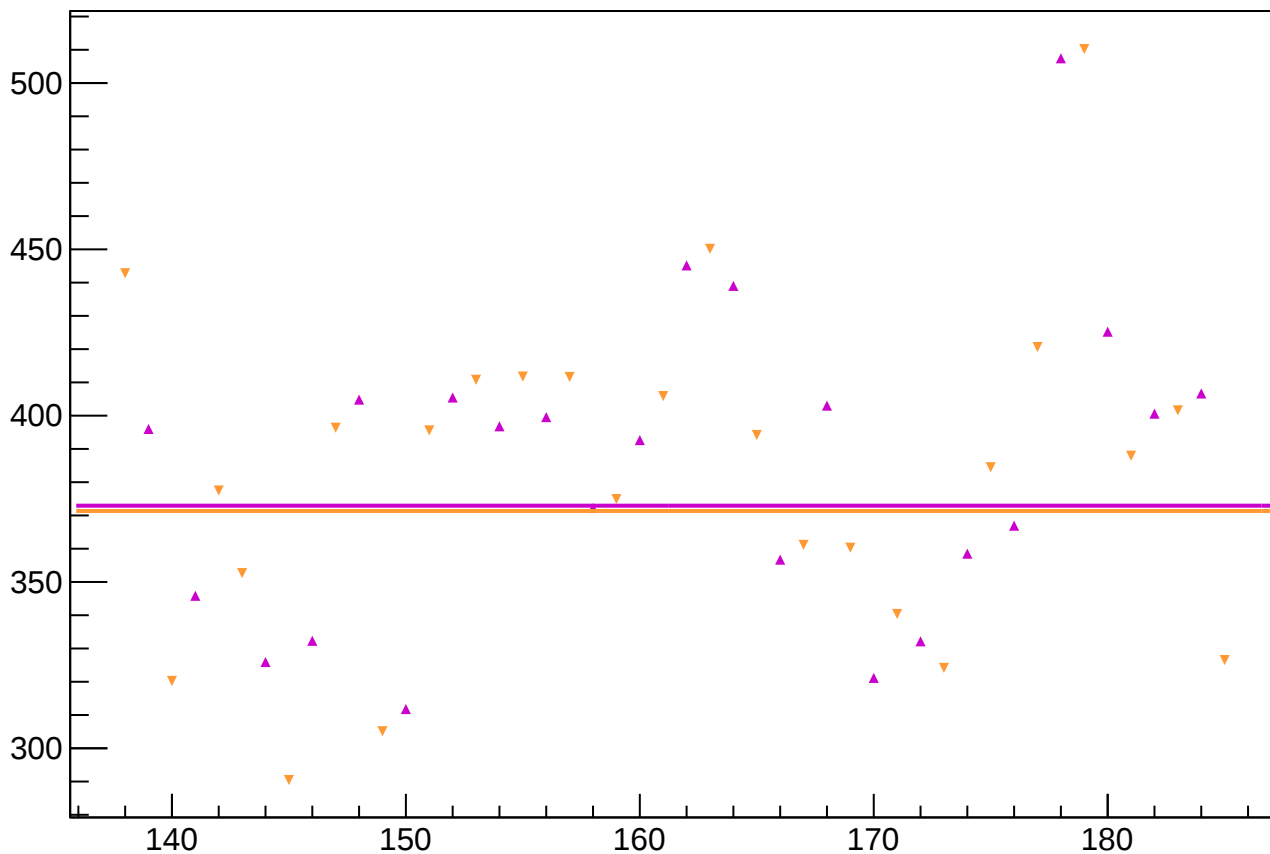
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 110.341+/-90.084 χ^2/NDF :29.2/22

Out: -336.977+/-87.459 χ^2/NDF :28.4/24

All: -119.931+/-62.750 χ^2/NDF : 70.3/47

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 371.345+/-0.062 χ^2/NDF :603940.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 372.938+/-0.064 χ^2/NDF :467340.9/22

Left: 372.118+/-0.044 χ^2/NDF : 1071603.1/47

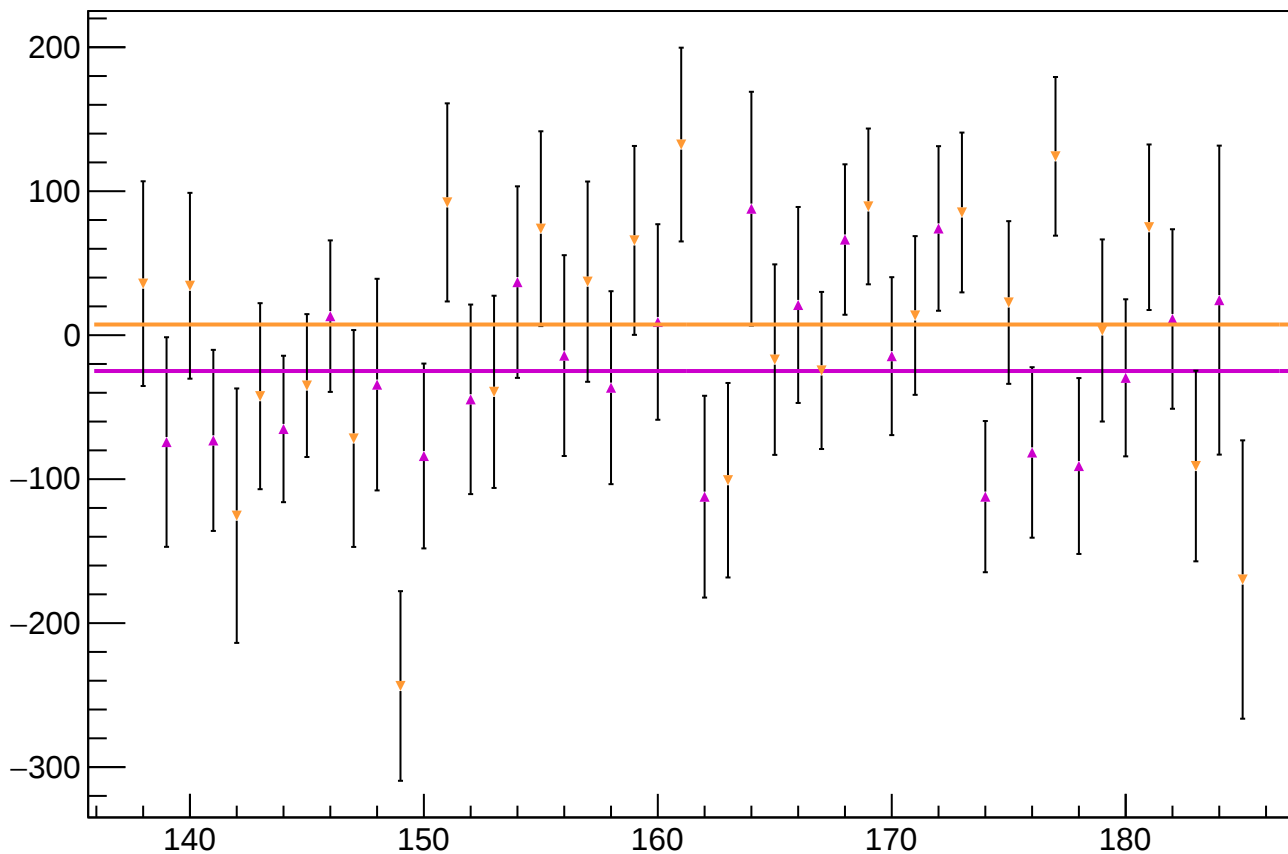
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 372.938+/-0.064 χ^2/NDF :467340.9/22

Out: 371.345+/-0.062 χ^2/NDF :603940.2/24

All: 372.118+/-0.044 χ^2/NDF : 1071603.1/47

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 7.413+/-12.657 χ^2/NDF :45.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -24.887+/-13.029 χ^2/NDF :19.7/22

Left: -8.270+/-9.078 χ^2/NDF : 68.7/47

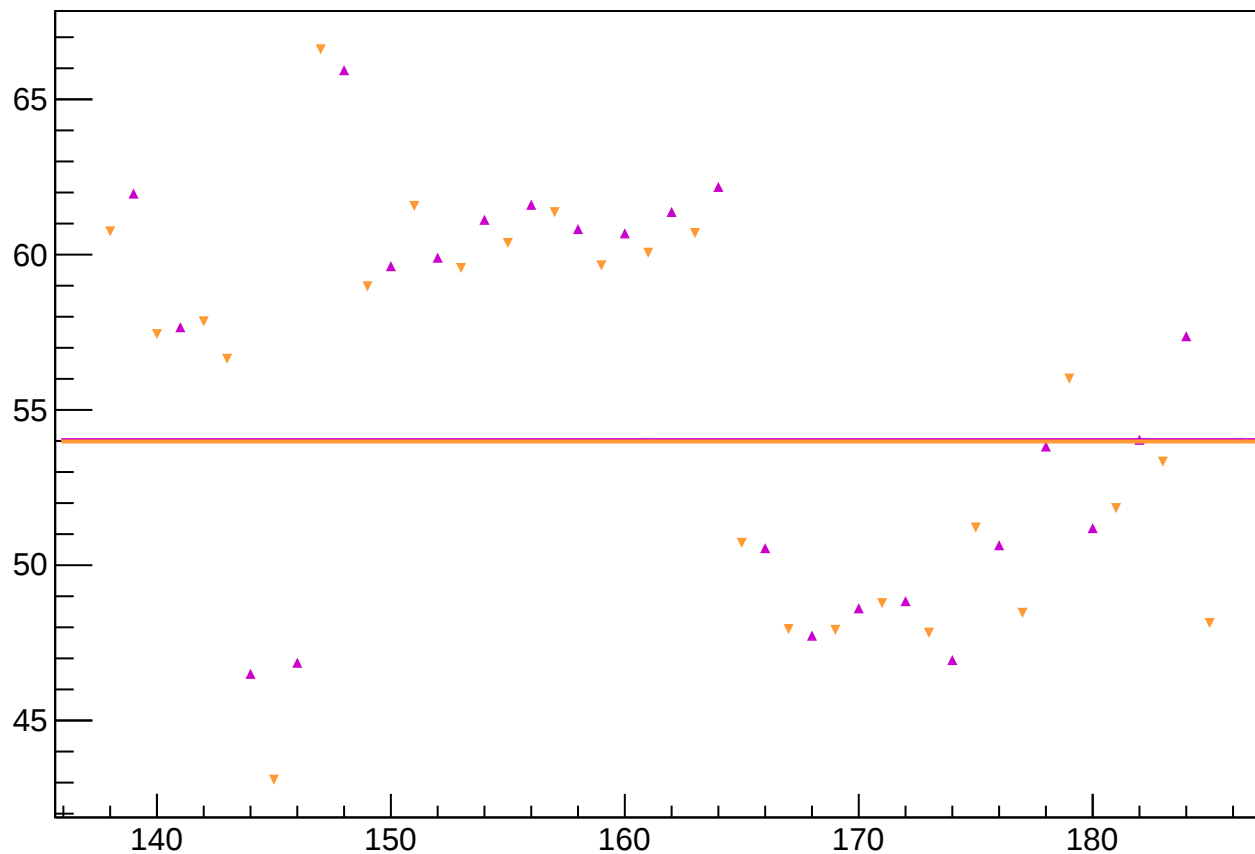
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.887+/-13.029 χ^2/NDF :19.7/22

Out: 7.413+/-12.657 χ^2/NDF :45.8/24

All: -8.270+/-9.078 χ^2/NDF : 68.7/47

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 53.983+/-0.009 χ^2/NDF :458977.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 54.028+/-0.009 χ^2/NDF :443819.5/22

Left: 54.005+/-0.006 χ^2/NDF : 902808.5/47

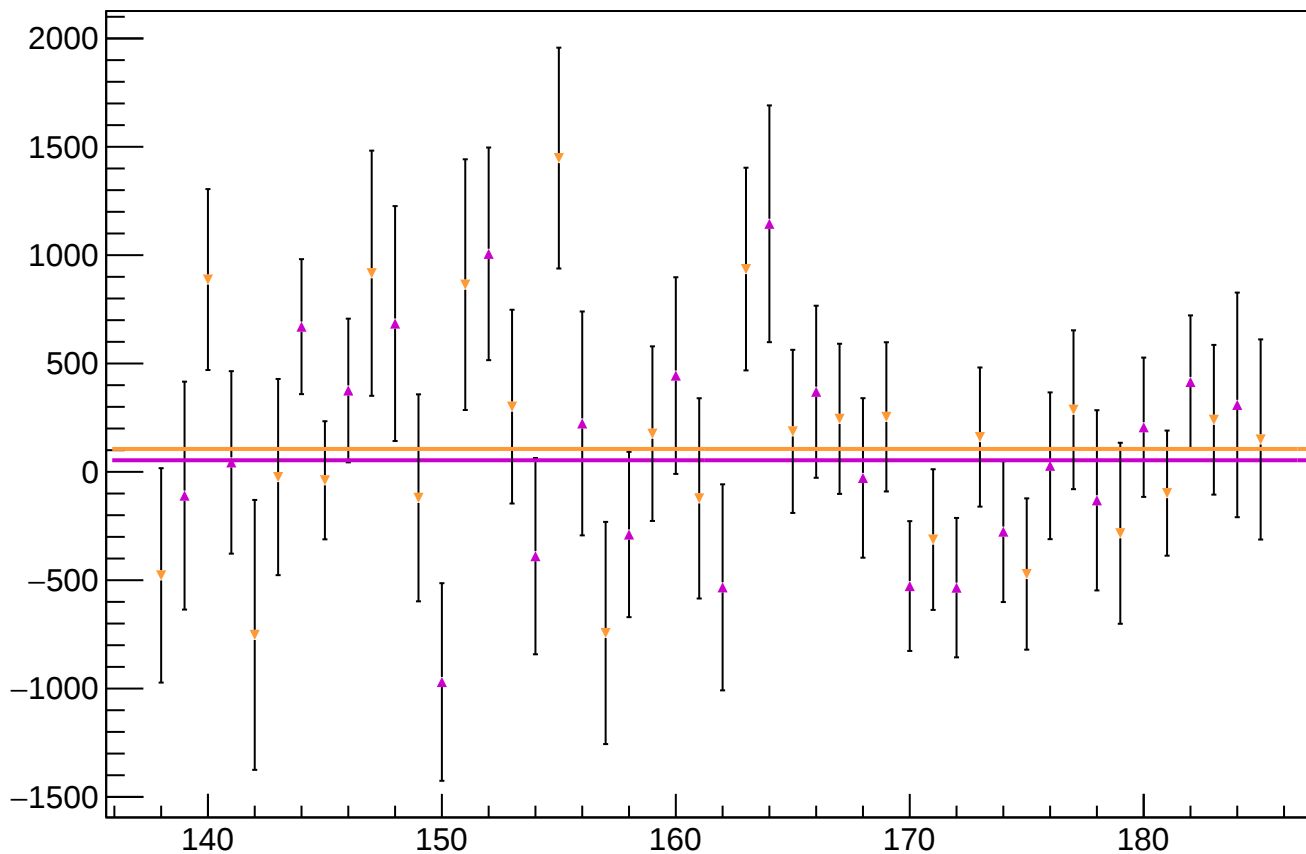
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 54.028+/-0.009 χ^2/NDF :443819.5/22

Out: 53.983+/-0.009 χ^2/NDF :458977.2/24

All: 54.005+/-0.006 χ^2/NDF : 902808.5/47

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 105.766+/-79.356 χ^2/NDF :31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 53.493+/-81.201 χ^2/NDF :34.1/22

Left: 80.230+/-56.754 χ^2/NDF : 65.4/47

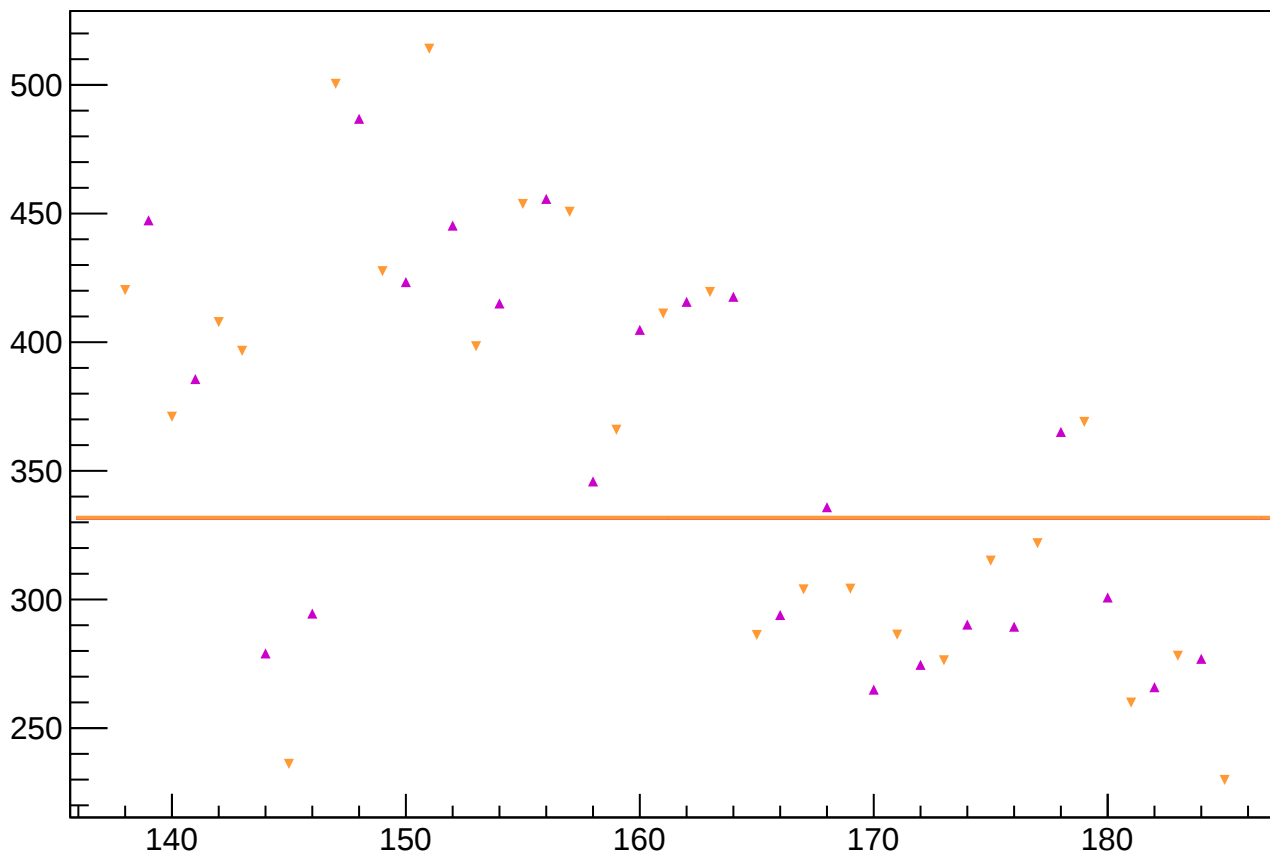
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 53.493+/-81.201 χ^2/NDF :34.1/22

Out: 105.766+/-79.356 χ^2/NDF :31.0/24

All: 80.230+/-56.754 χ^2/NDF : 65.4/47

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 331.778+/-0.056 χ^2/NDF :1711745.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 331.666+/-0.057 χ^2/NDF :1303192.2/22

Left: 331.723+/-0.040 χ^2/NDF : 3014939.2/47

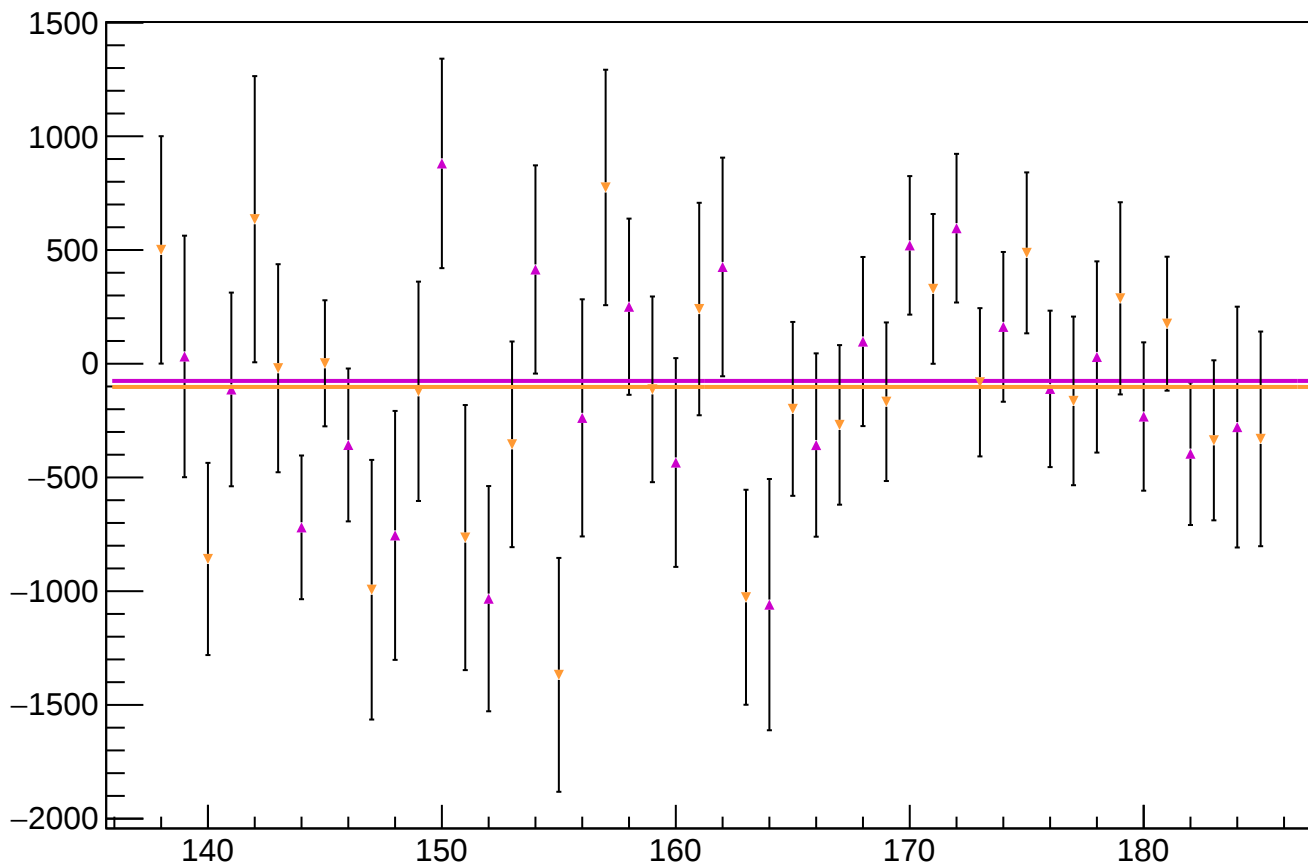
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 331.666+/-0.057 χ^2/NDF :1303192.2/22

Out: 331.778+/-0.056 χ^2/NDF :1711745.1/24

All: 331.723+/-0.040 χ^2/NDF : 3014939.2/47

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -102.164 ± 80.440 $\chi^2/\text{NDF}: 30.8/24$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -75.579 ± 82.319 $\chi^2/\text{NDF}: 32.1/22$

Left: -89.178 ± 57.532 $\chi^2/\text{NDF}: 63.0/47$

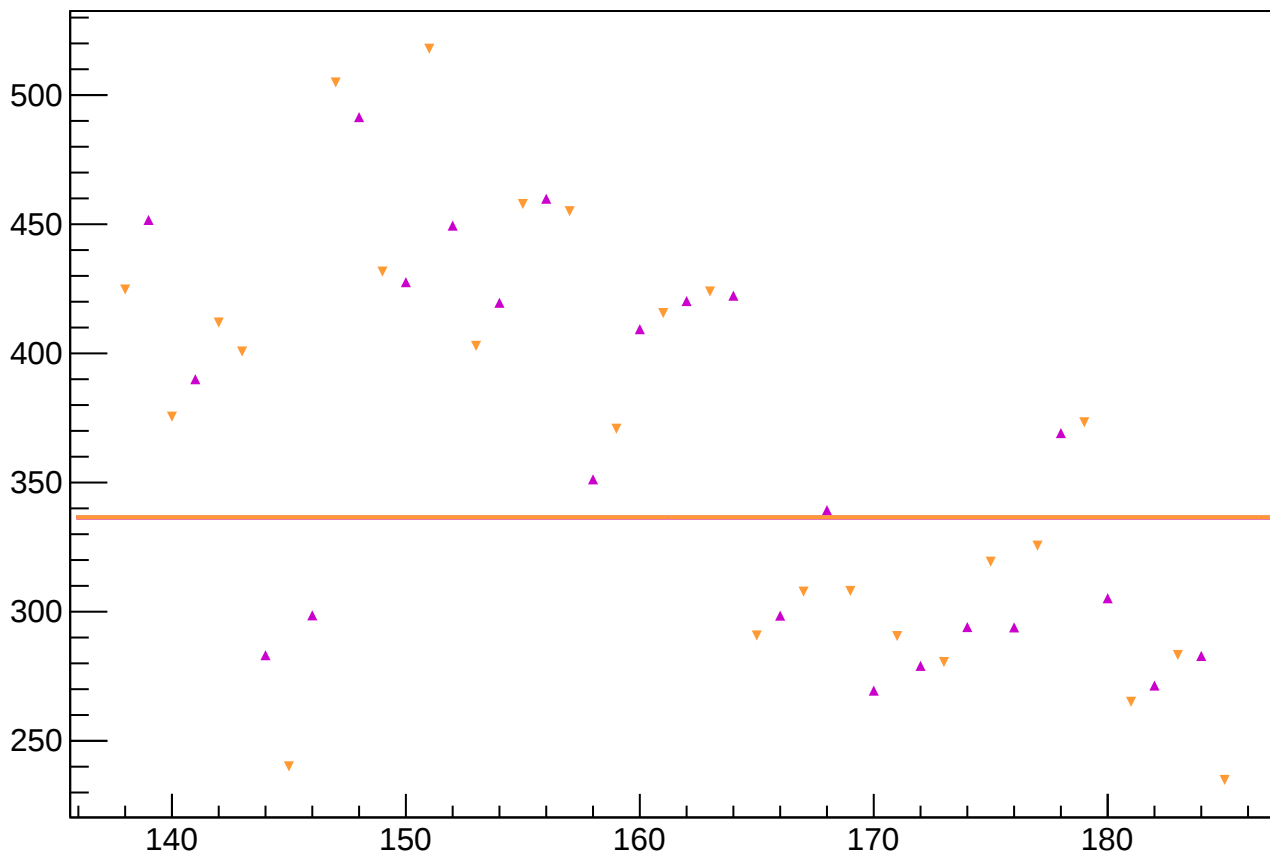
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -75.579 ± 82.319 $\chi^2/\text{NDF}: 32.1/22$

Out: -102.164 ± 80.440 $\chi^2/\text{NDF}: 30.8/24$

All: -89.178 ± 57.532 $\chi^2/\text{NDF}: 63.0/47$

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 336.565+/-0.057 χ^2/NDF :1665941.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 336.439+/-0.058 χ^2/NDF :1269066.3/22

Left: 336.504+/-0.041 χ^2/NDF : 2935009.8/47

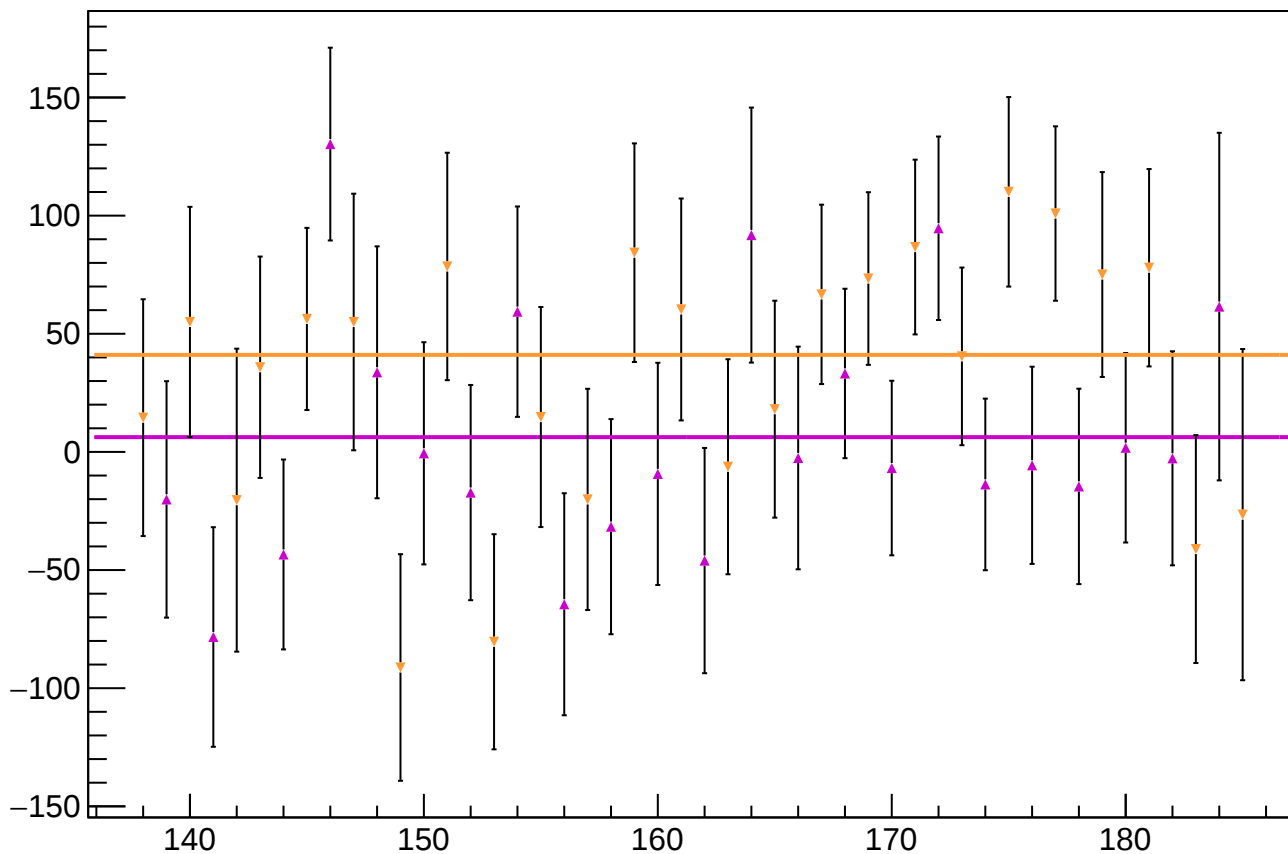
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 336.439+/-0.058 χ^2/NDF :1269066.3/22

Out: 336.565+/-0.057 χ^2/NDF :1665941.0/24

All: 336.504+/-0.041 χ^2/NDF : 2935009.8/47

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 41.064 $\pm$ 8.890 χ^2 /NDF:34.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 6.254 $\pm$ 9.175 χ^2 /NDF:30.3/22

Left: 24.206 $\pm$ 6.385 χ^2 /NDF: 72.5/47

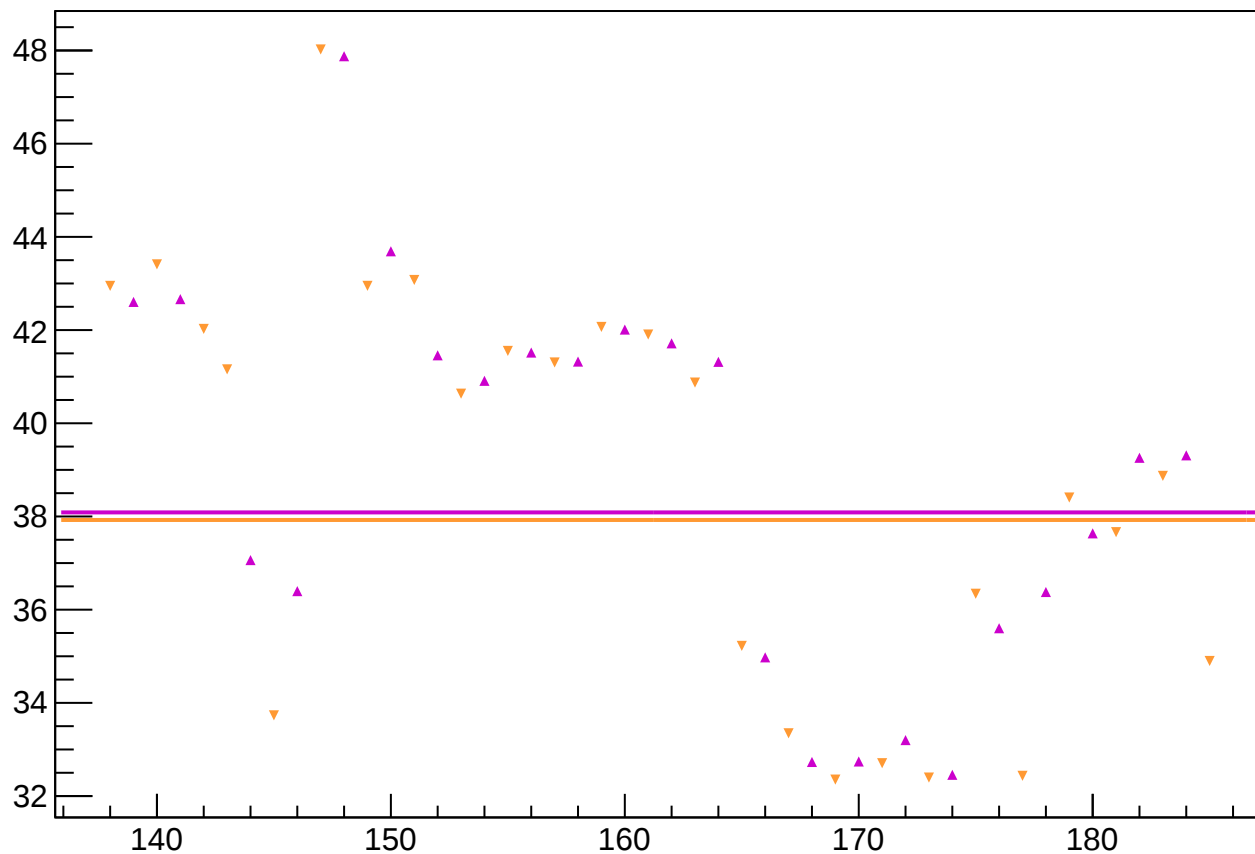
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 6.254 $\pm$ 9.175 χ^2 /NDF:30.3/22

Out: 41.064 $\pm$ 8.890 χ^2 /NDF:34.8/24

All: 24.206 $\pm$ 6.385 χ^2 /NDF: 72.5/47

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 37.925+/-0.006 χ^2/NDF : 487083.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 38.087+/-0.006 χ^2/NDF : 396334.5/22

Left: 38.004+/-0.005 χ^2/NDF : 883741.4/47

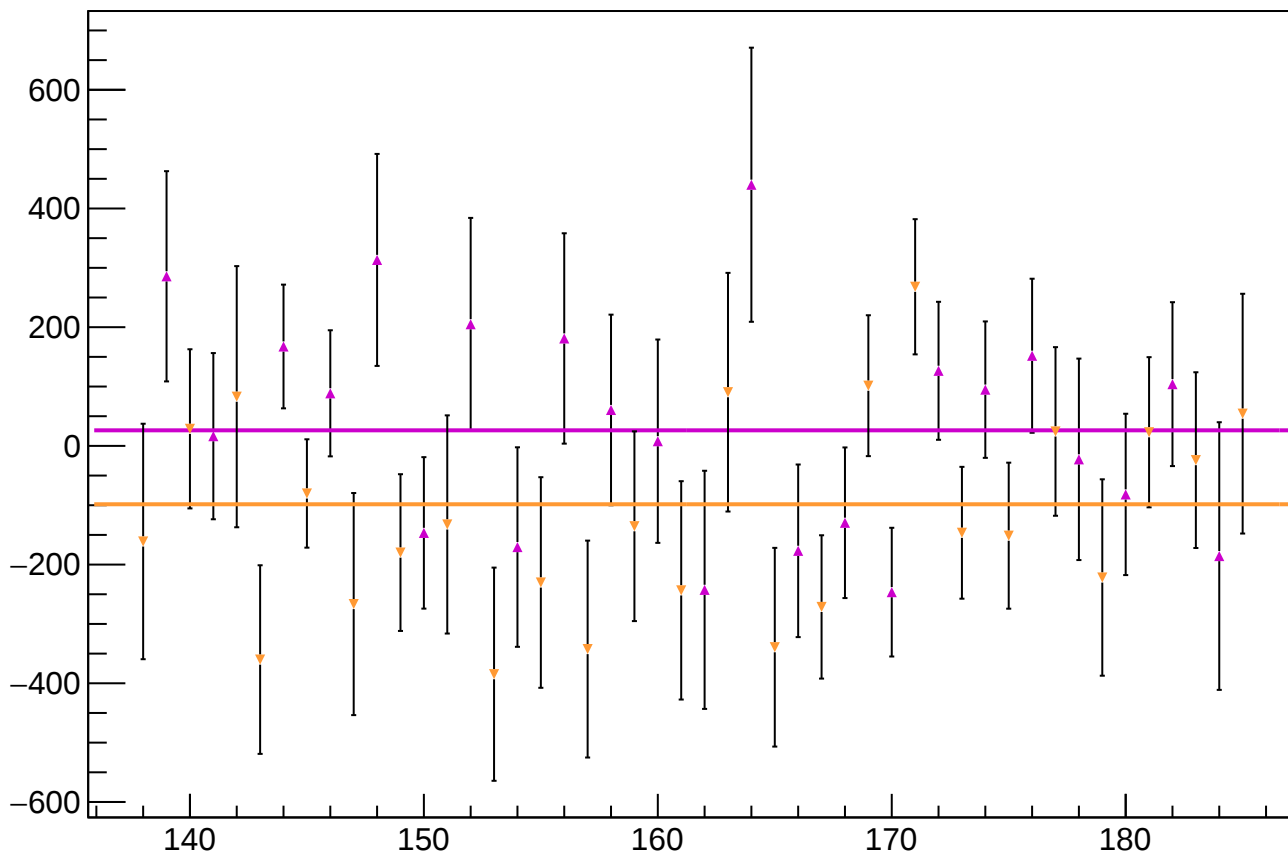
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 38.087+/-0.006 χ^2/NDF : 396334.5/22

Out: 37.925+/-0.006 χ^2/NDF : 487083.9/24

All: 38.004+/-0.005 χ^2/NDF : 883741.4/47

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -98.369+/-29.098 χ^2/NDF :32.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 26.223+/-29.676 χ^2/NDF :30.7/22

Left: -37.296+/-20.777 χ^2/NDF : 72.5/47

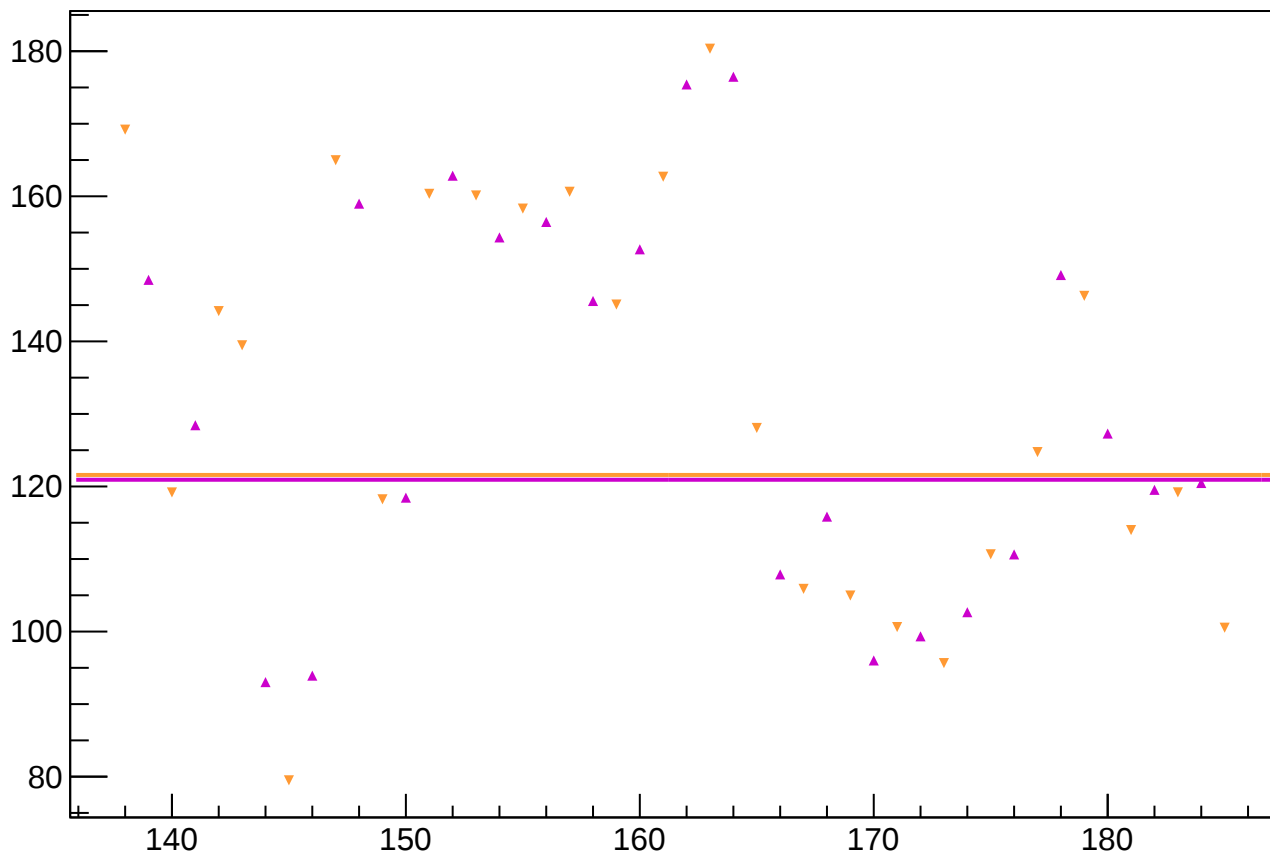
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 26.223+/-29.676 χ^2/NDF :30.7/22

Out: -98.369+/-29.098 χ^2/NDF :32.8/24

All: -37.296+/-20.777 χ^2/NDF : 72.5/47

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 121.589+/-0.021 χ^2/NDF :1711456.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 120.927+/-0.021 χ^2/NDF :1382861.4/22

Left: 121.265+/-0.015 χ^2/NDF : 3094826.0/47

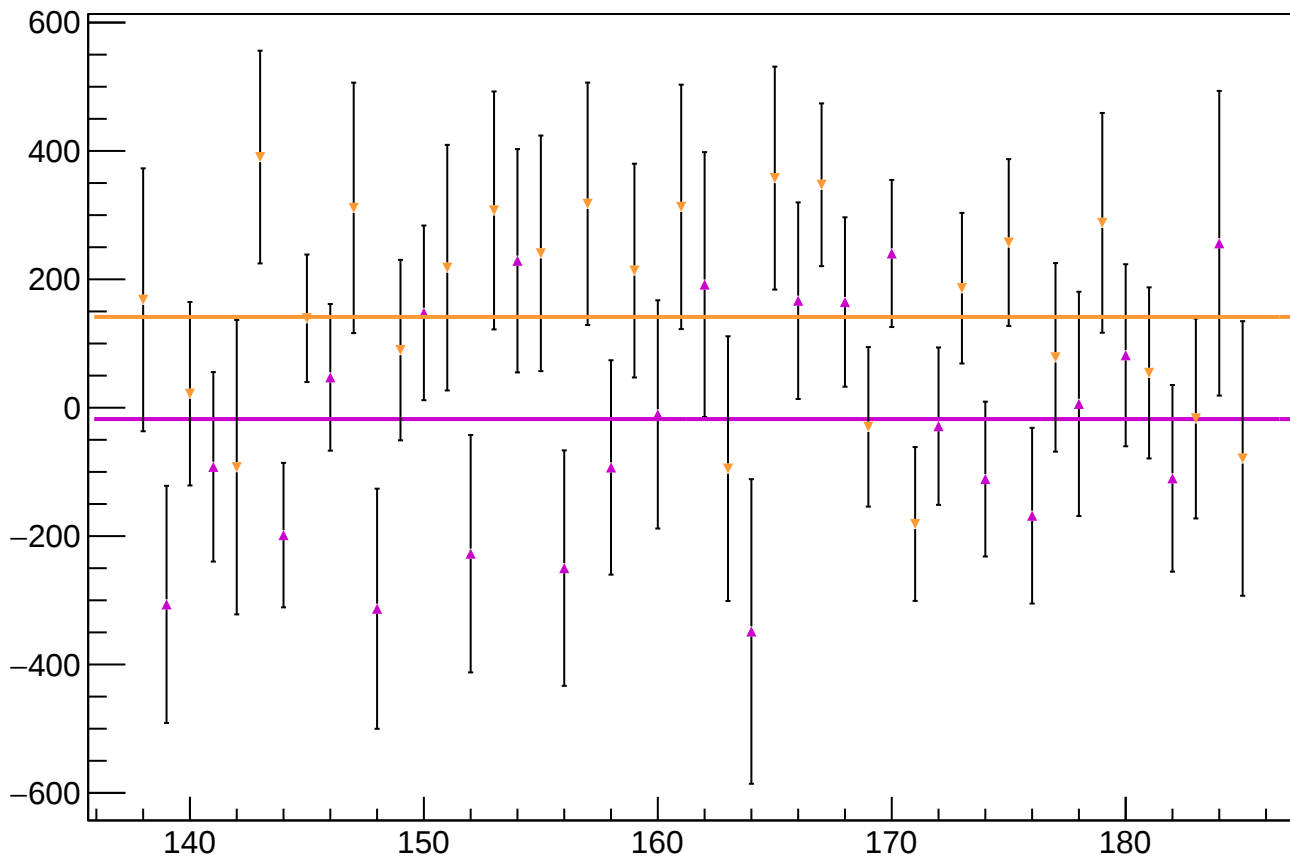
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 120.927+/-0.021 χ^2/NDF :1382861.4/22

Out: 121.589+/-0.021 χ^2/NDF :1711456.5/24

All: 121.265+/-0.015 χ^2/NDF : 3094826.0/47

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 141.436 $\pm$ 30.578 χ^2 /NDF:27.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -17.679 $\pm$ 31.209 χ^2 /NDF:30.1/22

Left: 63.503 $\pm$ 21.841 χ^2 /NDF: 70.5/47

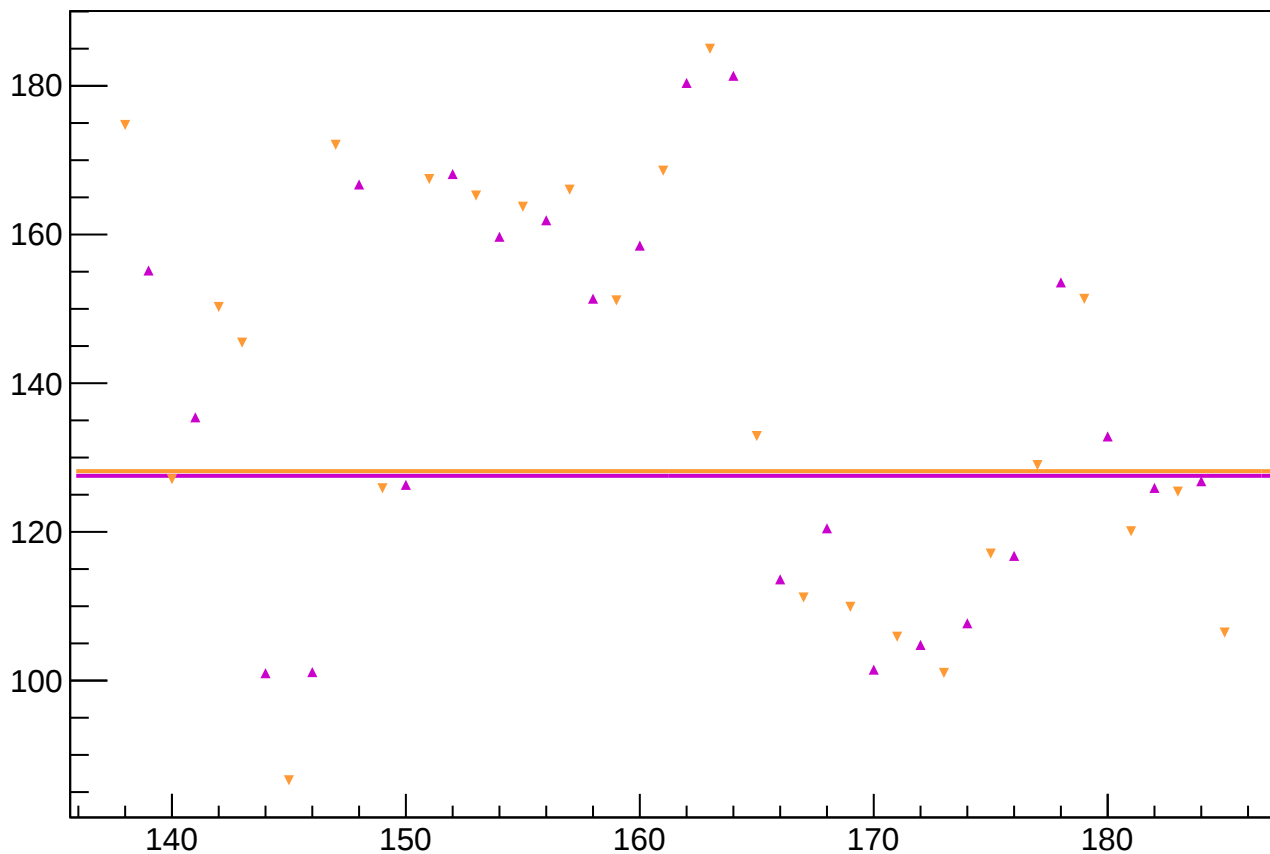
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -17.679 $\pm$ 31.209 χ^2 /NDF:30.1/22

Out: 141.436 $\pm$ 30.578 χ^2 /NDF:27.1/24

All: 63.503 $\pm$ 21.841 χ^2 /NDF: 70.5/47

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 128.173+/-0.022 χ^2/NDF :1532954.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 127.544+/-0.022 χ^2/NDF :1235705.3/22

Left: 127.865+/-0.015 χ^2/NDF : 2769073.9/47

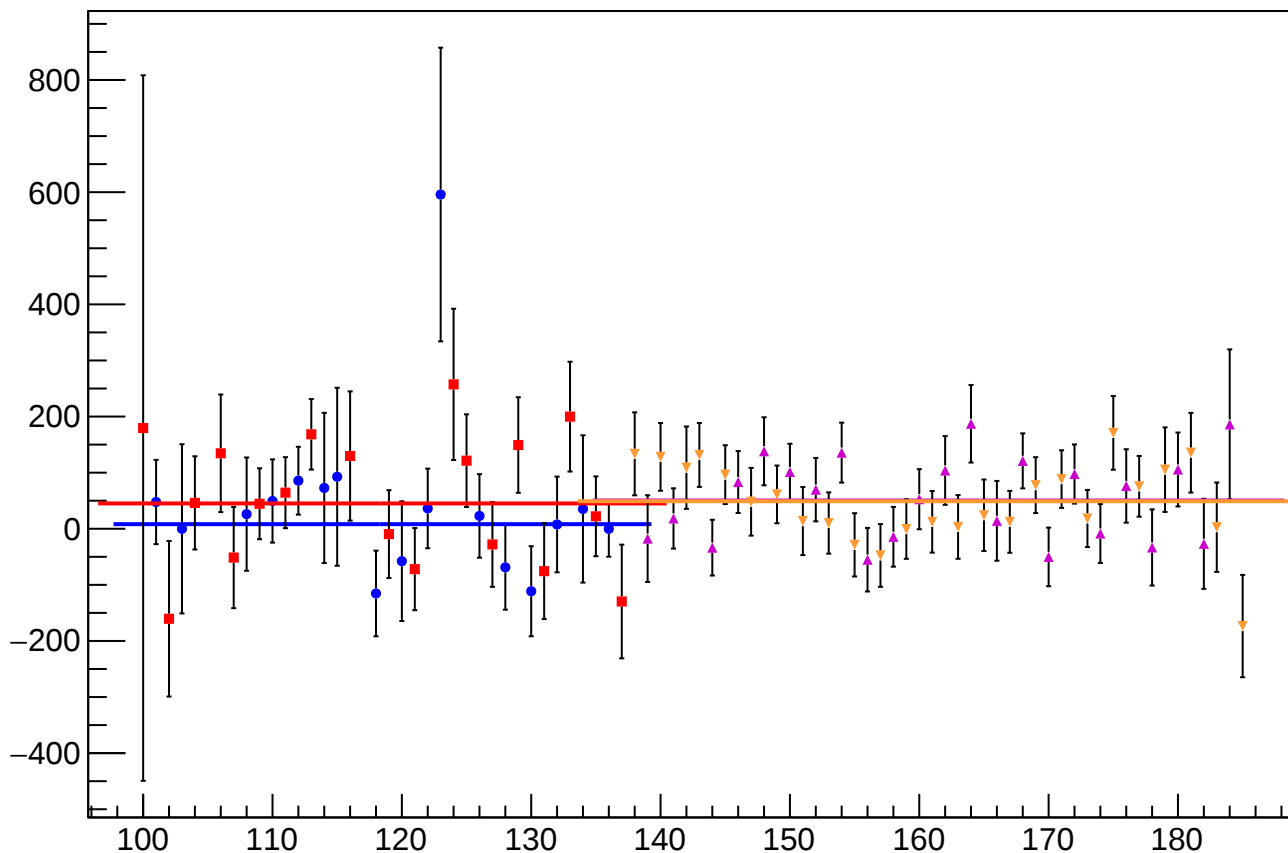
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 127.544+/-0.022 χ^2/NDF :1235705.3/22

Out: 128.173+/-0.022 χ^2/NDF :1532954.2/24

All: 127.865+/-0.015 χ^2/NDF : 2769073.9/47

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 8.177 ± 20.186 $\chi^2/\text{NDF}: 14.3/16$

Left Out: 49.074 ± 11.806 $\chi^2/\text{NDF}: 28.3/24$

Right Out: 45.139 ± 19.459 $\chi^2/\text{NDF}: 25.0/18$

Left In: 50.331 ± 12.253 $\chi^2/\text{NDF}: 32.2/22$

Left: 49.679 ± 8.502 $\chi^2/\text{NDF}: 60.5/47$

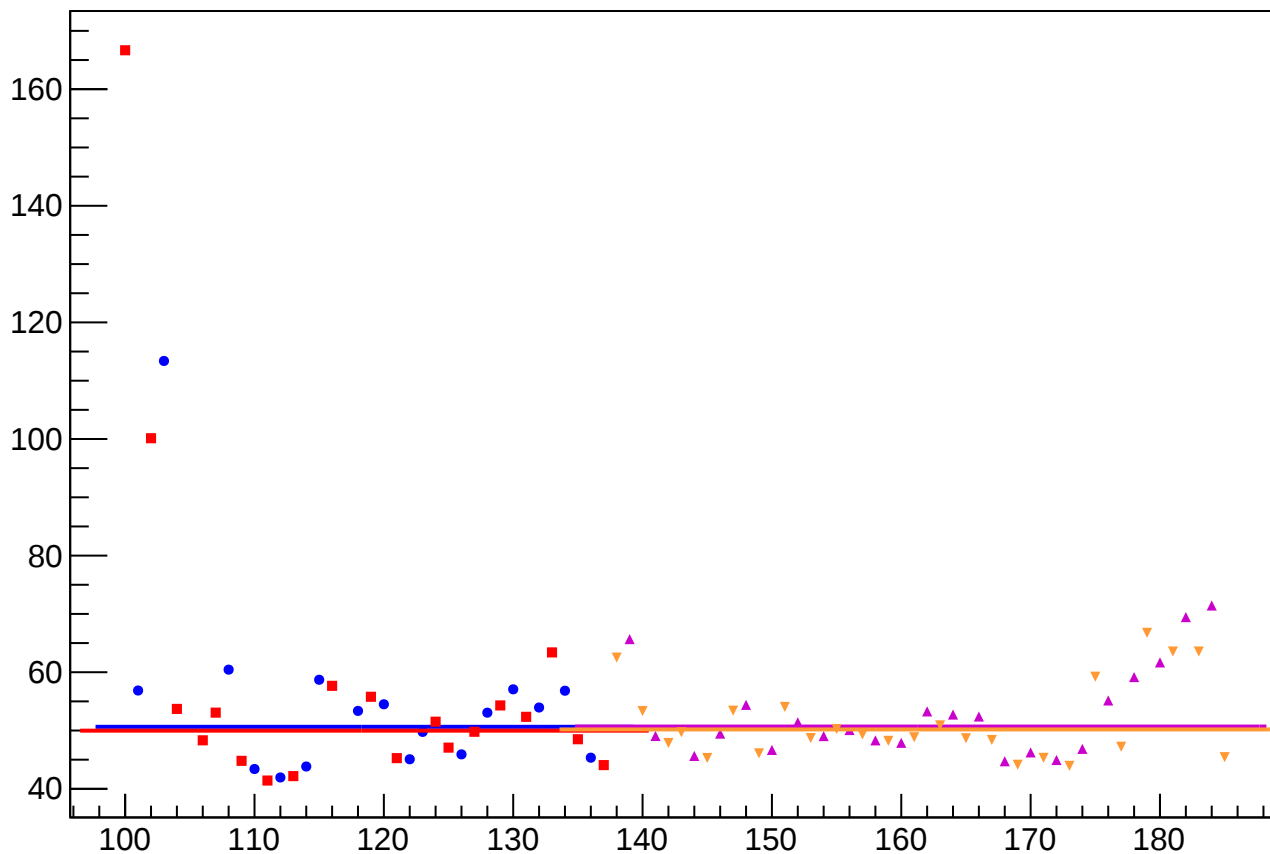
Right: 27.335 ± 14.009 $\chi^2/\text{NDF}: 41.0/35$

In: 38.980 ± 10.475 $\chi^2/\text{NDF}: 49.7/39$

Out: 48.015 ± 10.094 $\chi^2/\text{NDF}: 53.3/43$

All: 43.665 ± 7.268 $\chi^2/\text{NDF}: 103.4/83$

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.637 $\pm$ 0.014 χ^2 /NDF: 520284.7/16

Left Out: 50.187 $\pm$ 0.008 χ^2 /NDF: 467202.9/24

Right Out: 49.978 $\pm$ 0.014 χ^2 /NDF: 500945.1/18

Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

Left: 50.426 $\pm$ 0.006 χ^2 /NDF: 938194.1/47

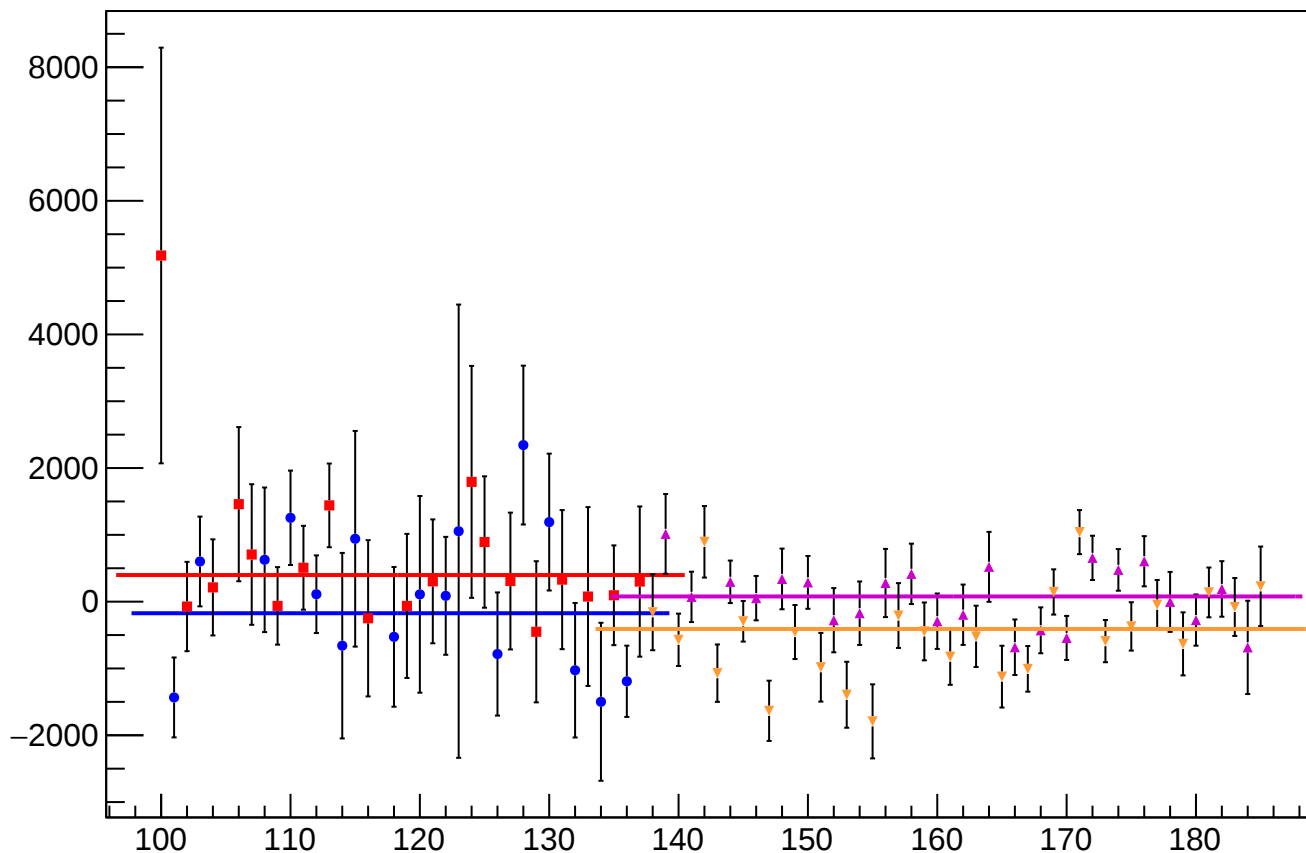
Right: 50.295 $\pm$ 0.010 χ^2 /NDF: 1022337.4/35

In: 50.671 $\pm$ 0.007 χ^2 /NDF: 989584.5/39

Out: 50.131 $\pm$ 0.007 χ^2 /NDF: 968317.4/43

All: 50.391 $\pm$ 0.005 χ^2 /NDF: 1960658.1/83

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -173.371 ± 210.671 $\chi^2/\text{NDF}: 23.9/16$

Left Out: -408.762 ± 82.357 $\chi^2/\text{NDF}: 61.7/24$

Right Out: 398.617 ± 204.042 $\chi^2/\text{NDF}: 9.6/18$

Left In: 77.872 ± 84.072 $\chi^2/\text{NDF}: 24.8/22$

Left: -170.461 ± 58.832 $\chi^2/\text{NDF}: 103.7/47$

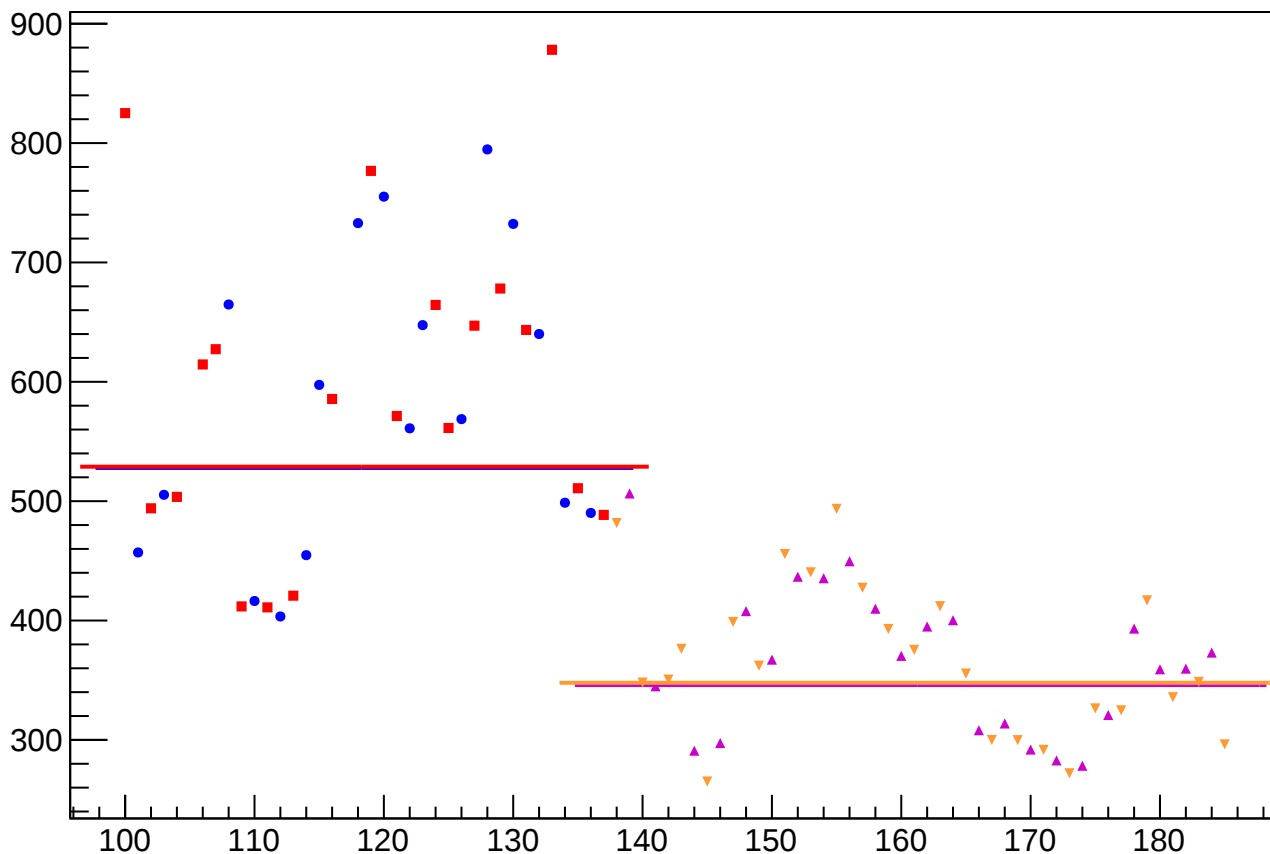
Right: 121.764 ± 146.567 $\chi^2/\text{NDF}: 37.3/35$

In: 43.356 ± 78.084 $\chi^2/\text{NDF}: 50.0/39$

Out: -295.655 ± 76.370 $\chi^2/\text{NDF}: 84.8/43$

All: -129.910 ± 54.598 $\chi^2/\text{NDF}: 144.4/83$

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.871+/-0.149 χ^2/NDF : 563444.4/16

Left Out: 347.866+/-0.058 χ^2/NDF : 1044091.7/24

Right Out: 528.886+/-0.144 χ^2/NDF : 625551.4/18

Left In: 345.954+/-0.059 χ^2/NDF : 900847.0/22

Left: 346.930+/-0.042 χ^2/NDF : 1945466.4/47

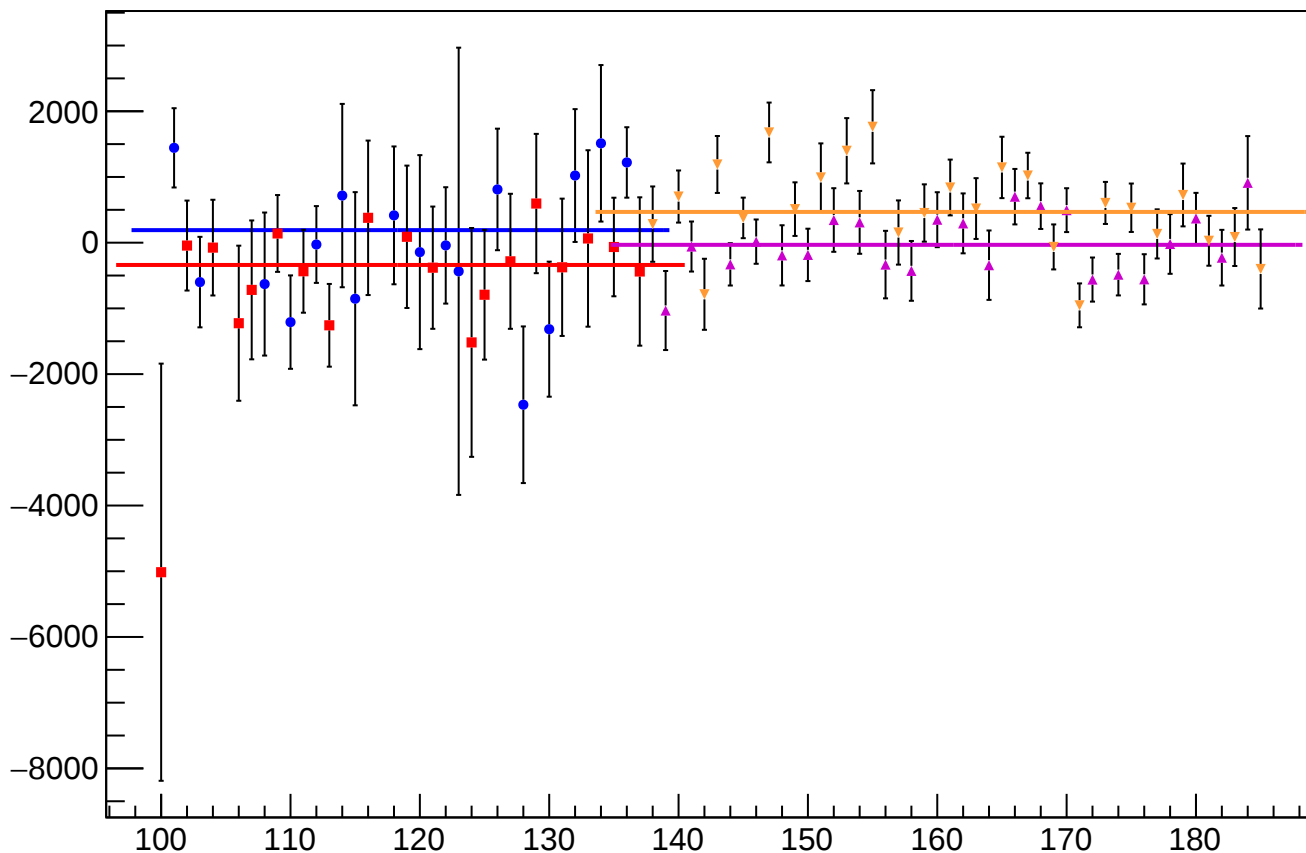
Right: 528.395+/-0.104 χ^2/NDF : 1189019.8/35

In: 370.945+/-0.055 χ^2/NDF : 2750722.1/39

Out: 373.225+/-0.054 χ^2/NDF : 3023277.4/43

All: 372.111+/-0.039 χ^2/NDF : 5774870.6/83

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 190.958+/-212.155 χ^2/NDF : 24.1/16

Left Out: 468.035+/-83.304 χ^2/NDF : 57.6/24

Right Out: -339.084+/-205.618 χ^2/NDF : 8.2/18

Left In: -32.801+/-85.064 χ^2/NDF : 25.7/22

Left: 222.851+/-59.517 χ^2/NDF : 101.0/47

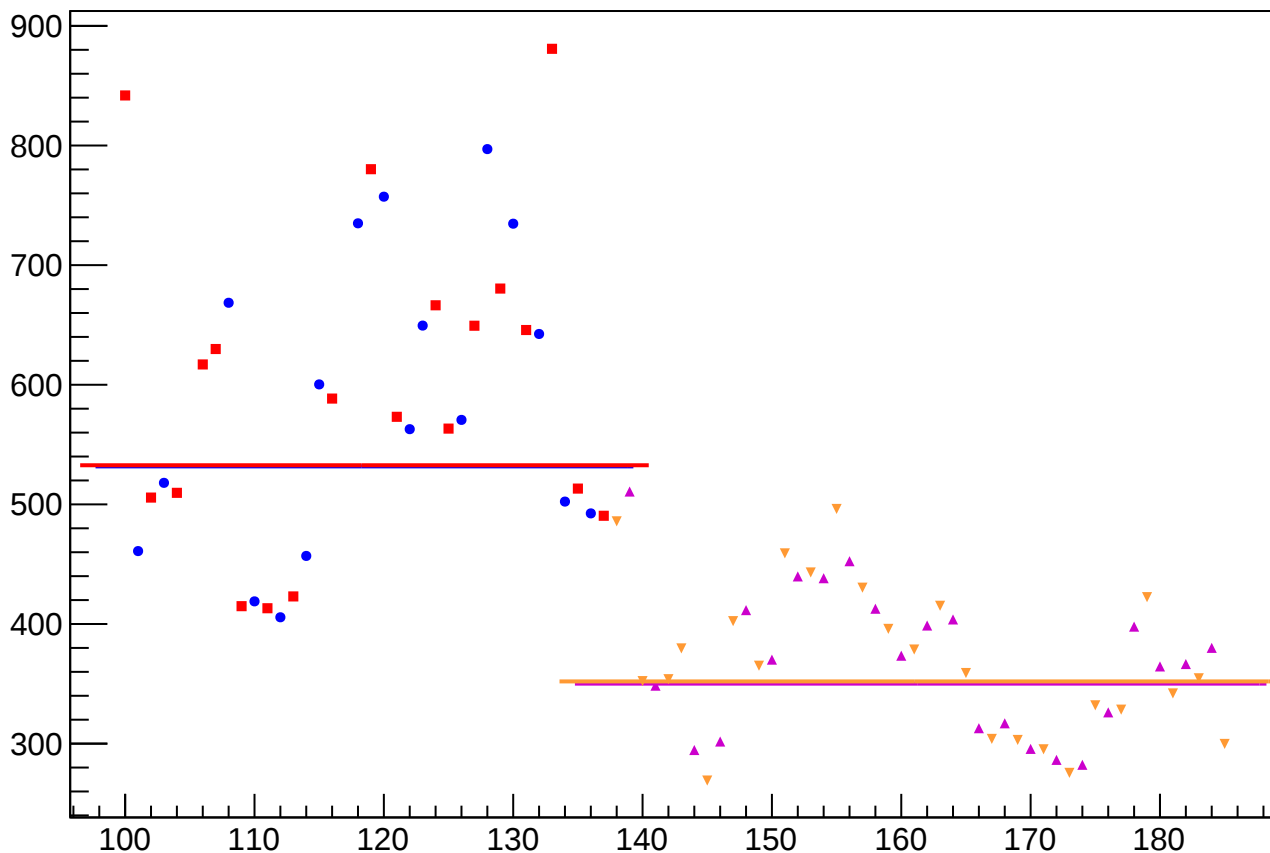
Right: -82.355+/-147.651 χ^2/NDF : 35.6/35

In: -1.811+/-78.954 χ^2/NDF : 50.8/39

Out: 354.236+/-77.208 χ^2/NDF : 79.0/43

All: 180.192+/-55.201 χ^2/NDF : 140.2/83

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.765 $\pm$ 0.150 χ^2 /NDF: 555969.6/16

Left Out: 352.005 $\pm$ 0.059 χ^2 /NDF: 1017180.6/24

Right Out: 532.709 $\pm$ 0.145 χ^2 /NDF: 617915.9/18

Left In: 350.160 $\pm$ 0.060 χ^2 /NDF: 878380.0/22

Left: 351.102 $\pm$ 0.042 χ^2 /NDF: 1896040.7/47

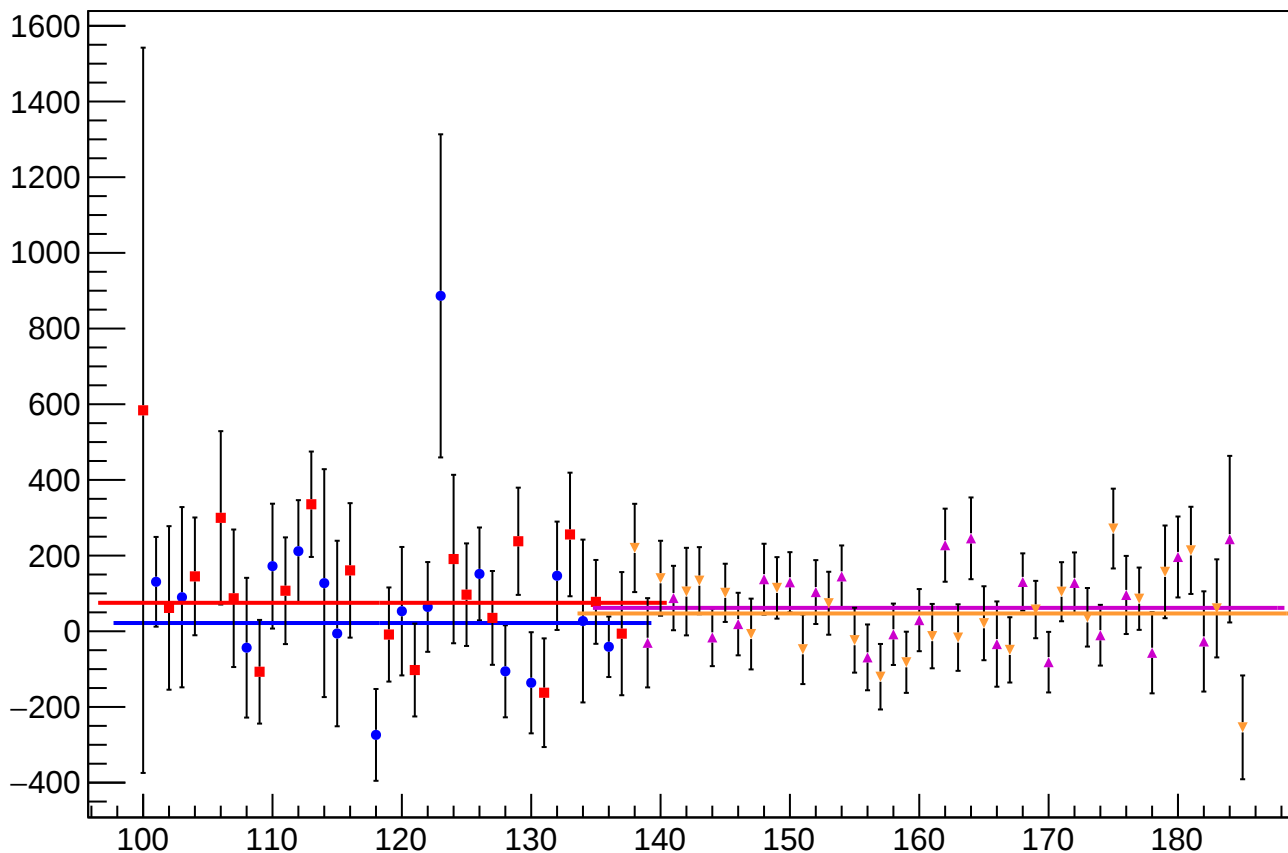
Right: 532.252 $\pm$ 0.104 χ^2 /NDF: 1173906.0/35

In: 375.312 $\pm$ 0.056 χ^2 /NDF: 2696861.8/39

Out: 377.483 $\pm$ 0.055 χ^2 /NDF: 2961997.1/43

All: 376.422 $\pm$ 0.039 χ^2 /NDF: 5659632.0/83

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 21.833 ± 34.638 $\chi^2/\text{NDF}: 19.2/16$

Left Out: 47.037 ± 18.254 $\chi^2/\text{NDF}: 29.3/24$

Right Out: 75.207 ± 34.800 $\chi^2/\text{NDF}: 15.5/18$

Left In: 61.830 ± 18.958 $\chi^2/\text{NDF}: 24.0/22$

Left: 54.154 ± 13.149 $\chi^2/\text{NDF}: 53.6/47$

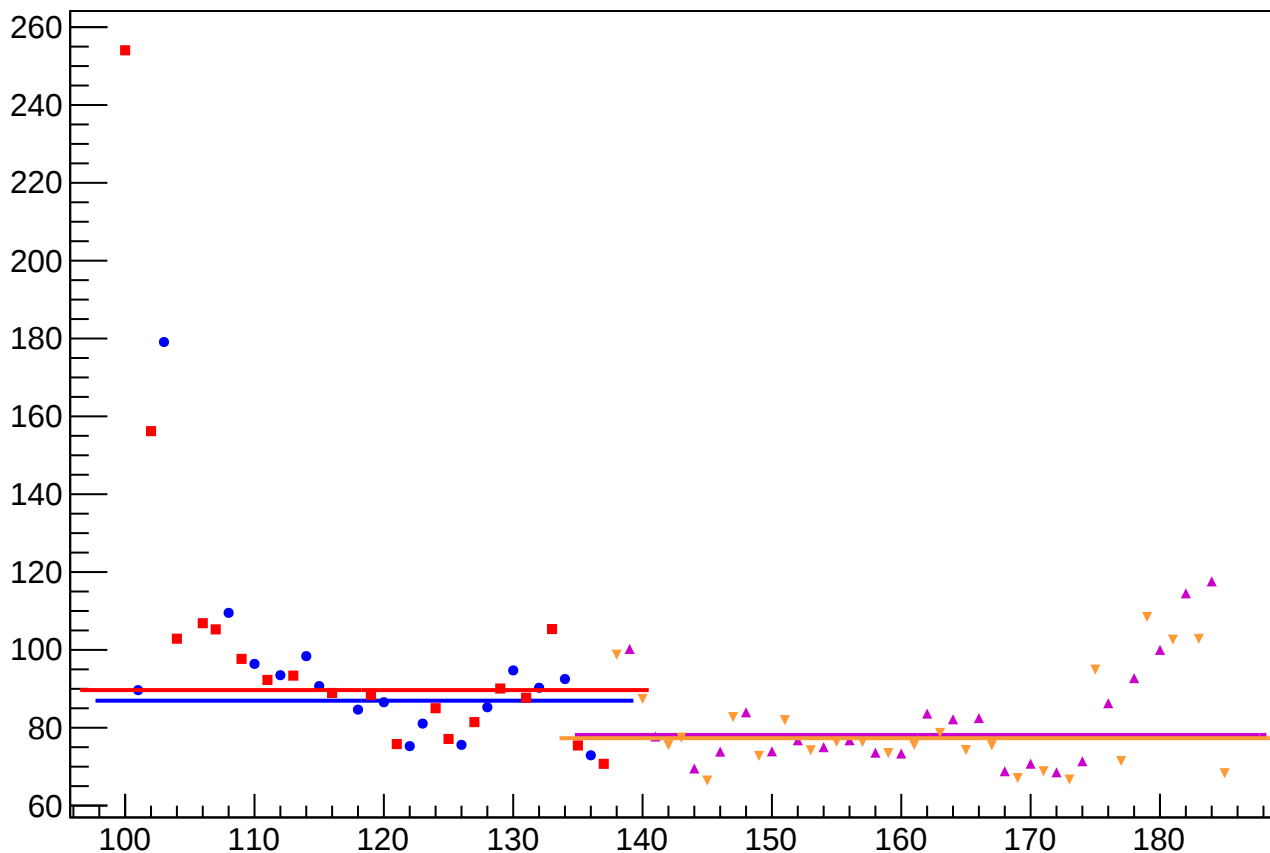
Right: 48.395 ± 24.550 $\chi^2/\text{NDF}: 35.9/35$

In: 52.610 ± 16.630 $\chi^2/\text{NDF}: 44.2/39$

Out: 53.115 ± 16.165 $\chi^2/\text{NDF}: 45.3/43$

All: 52.870 ± 11.591 $\chi^2/\text{NDF}: 89.5/83$

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.949 $\pm$ 0.024 χ^2 /NDF: 453620.2/16

Left Out: 77.312 $\pm$ 0.013 χ^2 /NDF: 634886.5/24

Right Out: 89.674 $\pm$ 0.025 χ^2 /NDF: 429254.7/18

Left In: 78.139 $\pm$ 0.013 χ^2 /NDF: 582108.1/22

Left: 77.710 $\pm$ 0.009 χ^2 /NDF: 1218967.5/47

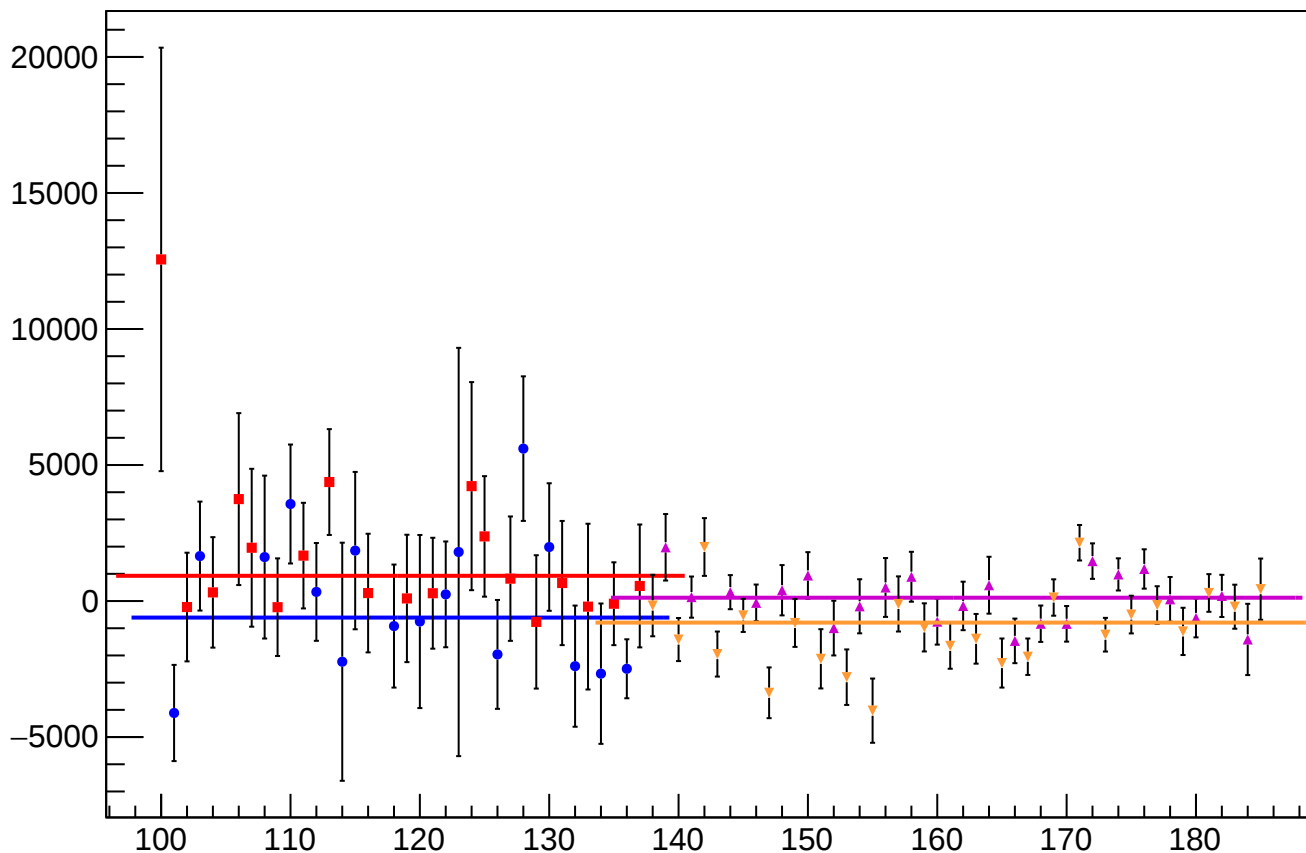
Right: 88.305 $\pm$ 0.017 χ^2 /NDF: 889035.0/35

In: 80.169 $\pm$ 0.012 χ^2 /NDF: 1135295.8/39

Out: 79.979 $\pm$ 0.011 χ^2 /NDF: 1262053.5/43

All: 80.072 $\pm$ 0.008 χ^2 /NDF: 2397483.6/83

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -607.702 $\pm$ 518.220 χ^2 /NDF: 22.3/16

Left Out: -792.431 $\pm$ 162.677 χ^2 /NDF:66.6/24

Right Out: 927.943 $\pm$ 515.777 χ^2 /NDF: 9.9/18

Left In: 122.198 $\pm$ 166.193 χ^2 /NDF:25.9/22

Left: -344.897 $\pm$ 116.253 χ^2 /NDF: 108.0/47

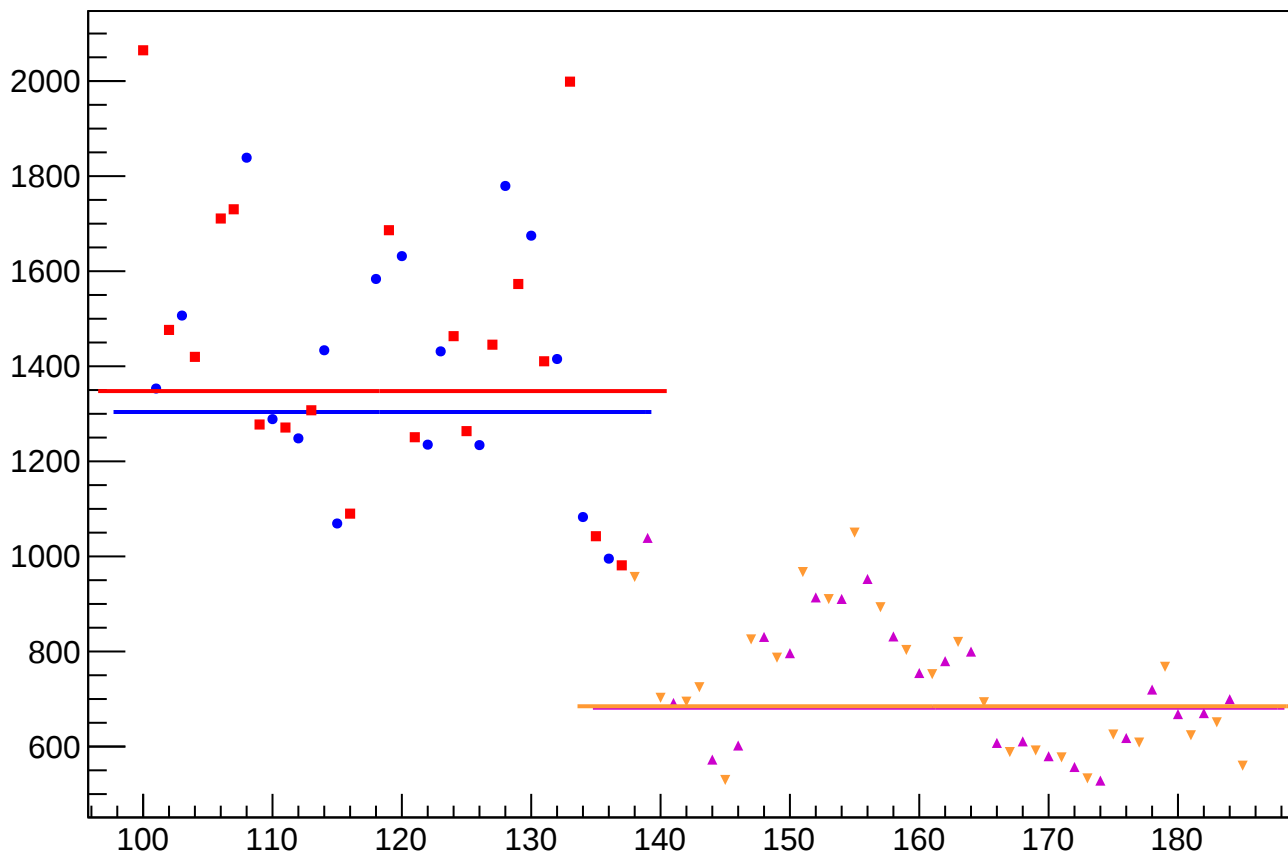
Right: 163.749 $\pm$ 365.570 χ^2 /NDF: 36.6/35

In: 54.129 $\pm$ 158.254 χ^2 /NDF:50.0/39

Out: -636.776 $\pm$ 155.143 χ^2 /NDF:86.6/43

All: -298.183 $\pm$ 110.786 χ^2 /NDF: 146.4/83

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.810 $\pm$ 0.366 χ^2 /NDF: 456027.3/16

Left Out: 684.771 $\pm$ 0.115 χ^2 /NDF:1280237.4/24

Right Out: 1347.826 $\pm$ 0.365 χ^2 /NDF: 421434.3/18

Left In: 681.712 $\pm$ 0.118 χ^2 /NDF:1119637.0/22

Left: 683.274 $\pm$ 0.082 χ^2 /NDF: 2400220.3/47

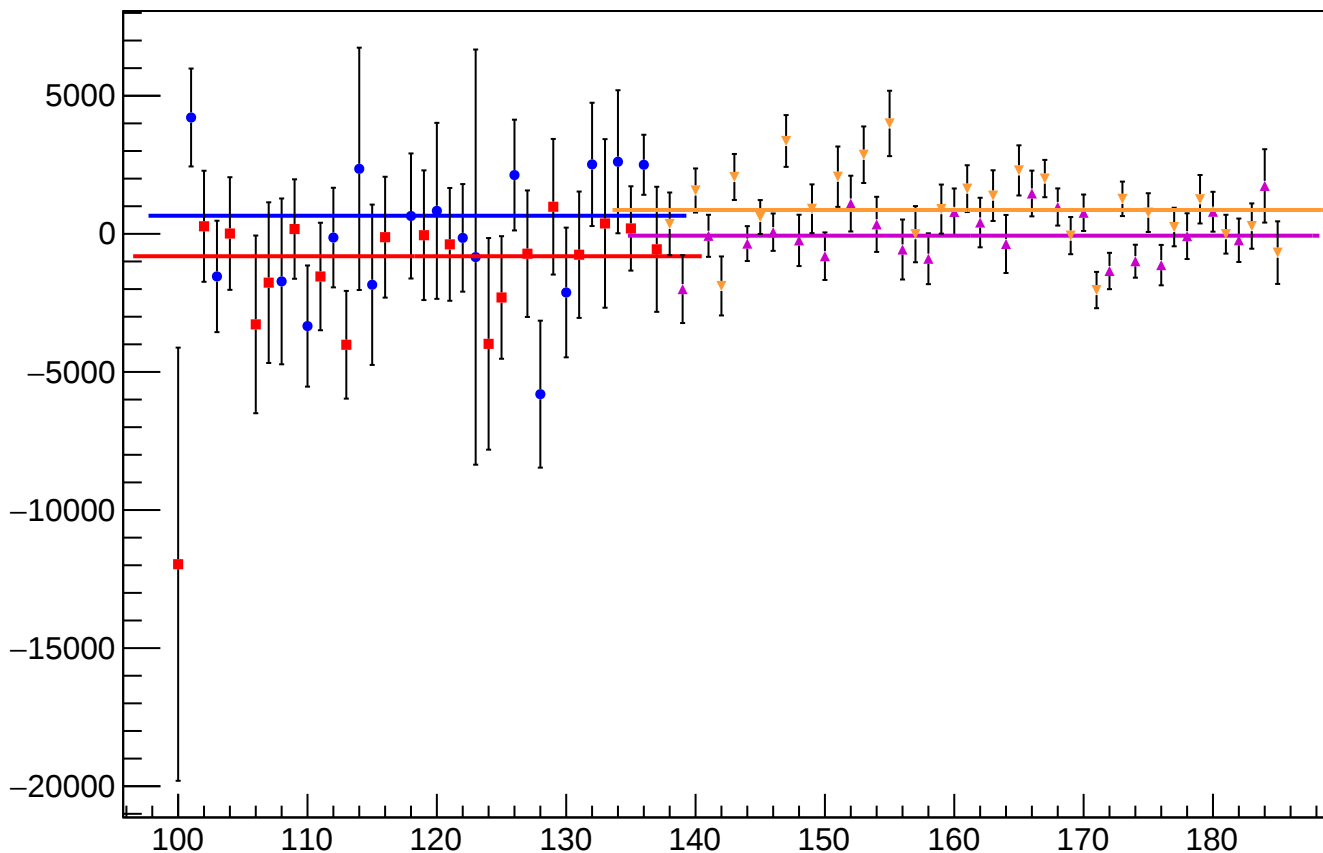
Right: 1325.922 $\pm$ 0.258 χ^2 /NDF: 884709.8/35

In: 739.727 $\pm$ 0.112 χ^2 /NDF:4189050.3/39

Out: 744.762 $\pm$ 0.110 χ^2 /NDF:4707883.8/43

All: 742.295 $\pm$ 0.078 χ^2 /NDF: 8897966.4/83

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 655.779 $\pm$ 519.695 χ^2 /NDF: 22.4/16

Left Out: 864.620 $\pm$ 163.903 χ^2 /NDF:62.9/24

Right Out: -810.322 $\pm$ 517.488 χ^2 /NDF: 8.8/18

Left In: -65.924 $\pm$ 167.485 χ^2 /NDF:26.4/22

Left: 409.404 $\pm$ 117.143 χ^2 /NDF: 105.1/47

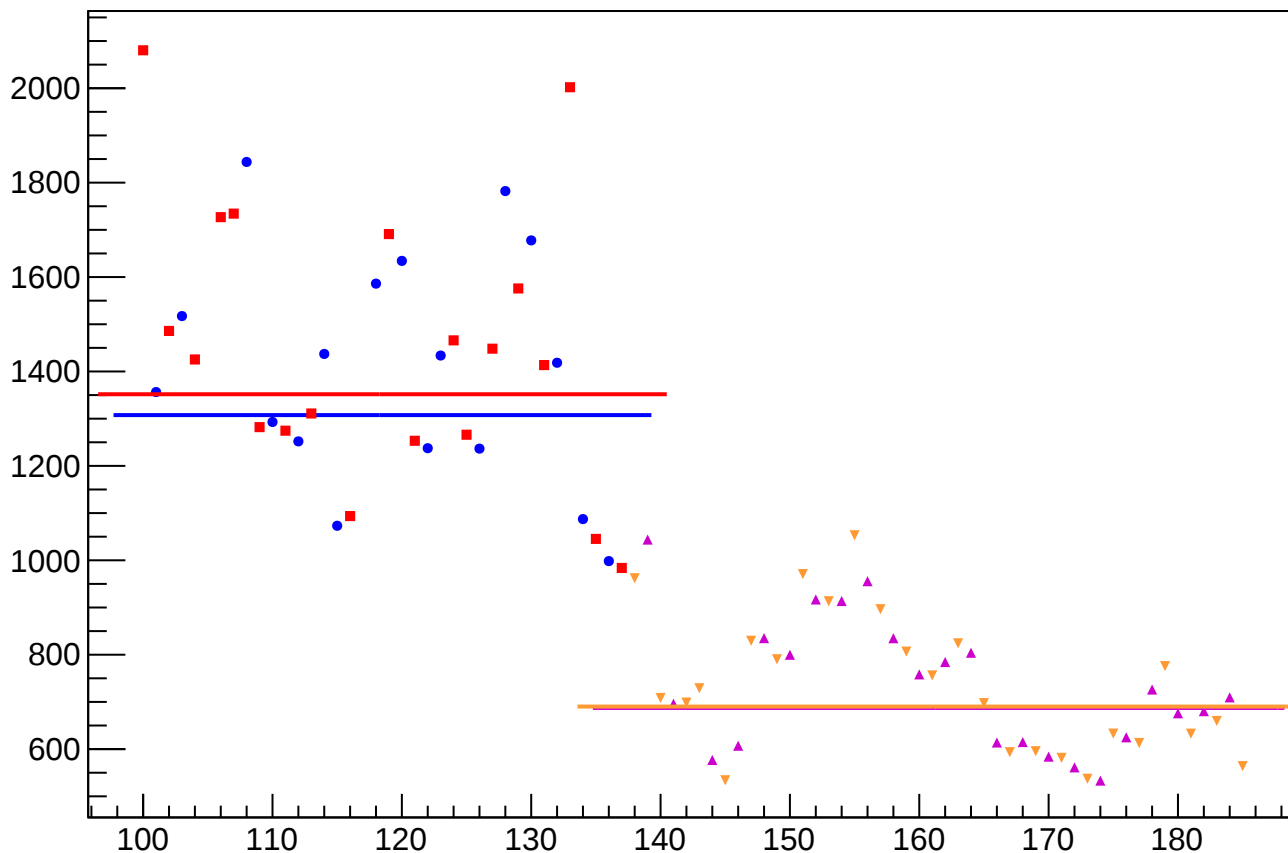
Right: -80.392 $\pm$ 366.697 χ^2 /NDF: 35.3/35

In: 1.980 $\pm$ 159.411 χ^2 /NDF:50.6/39

Out: 711.914 $\pm$ 156.253 χ^2 /NDF:81.2/43

All: 364.048 $\pm$ 111.587 χ^2 /NDF: 142.0/83

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1307.585 $\pm$ 0.367 χ^2 /NDF: 455146.3/16

Left Out: 690.152 $\pm$ 0.116 χ^2 /NDF:1258239.4/24

Right Out: 1351.755 $\pm$ 0.366 χ^2 /NDF: 422451.1/18

Left In: 687.216 $\pm$ 0.118 χ^2 /NDF:1099706.1/22

Left: 688.716 $\pm$ 0.083 χ^2 /NDF: 2358259.3/47

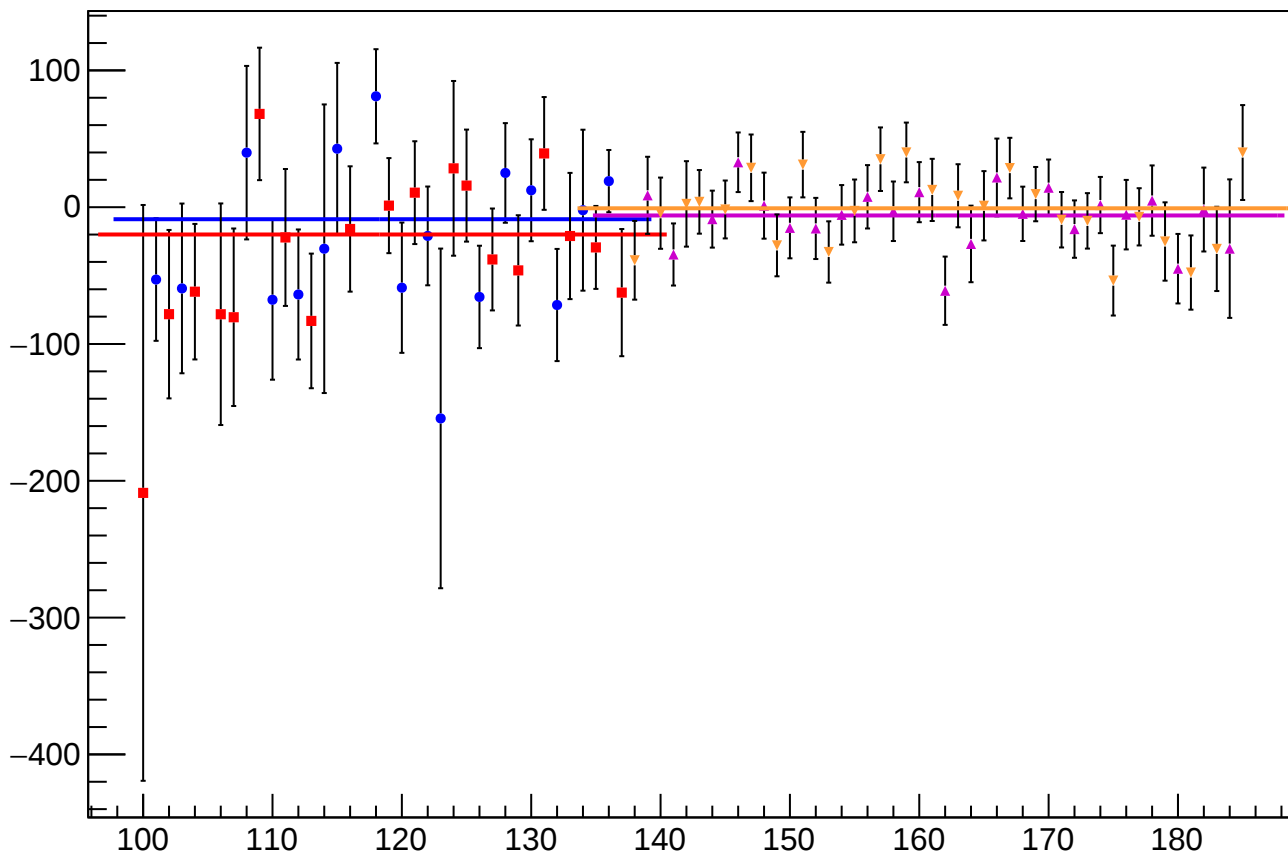
Right: 1329.764 $\pm$ 0.259 χ^2 /NDF: 884852.0/35

In: 745.586 $\pm$ 0.113 χ^2 /NDF:4136624.8/39

Out: 750.471 $\pm$ 0.110 χ^2 /NDF:4651728.4/43

All: 748.077 $\pm$ 0.079 χ^2 /NDF: 8789310.8/83

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -8.789 ± 10.423 χ^2/NDF : 22.0/16

Left Out: -0.799 ± 4.761 χ^2/NDF : 27.7/24

Right Out: -19.948 ± 10.470 χ^2/NDF : 14.8/18

Left In: -6.042 ± 4.925 χ^2/NDF : 16.9/22

Left: -3.331 ± 3.423 χ^2/NDF : 45.3/47

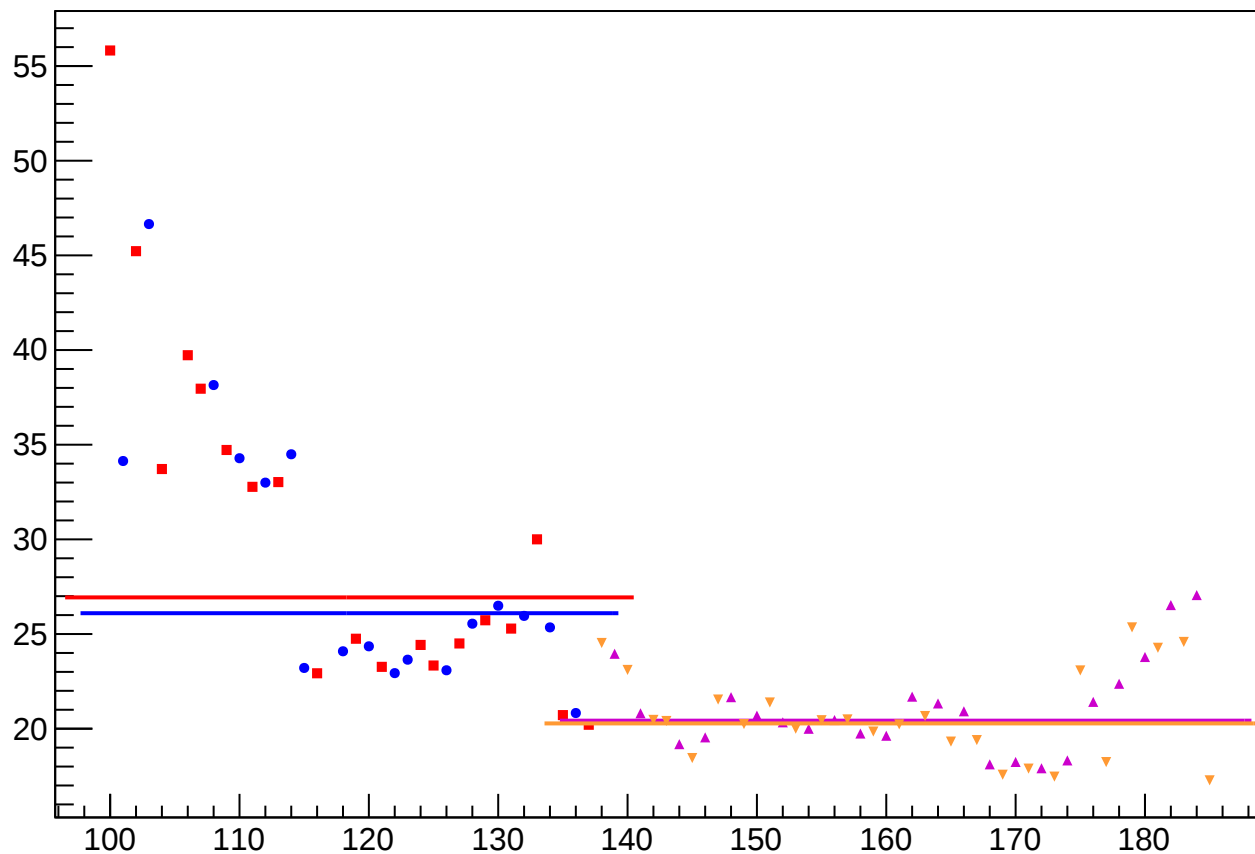
Right: -14.343 ± 7.387 χ^2/NDF : 37.4/35

In: -6.543 ± 4.453 χ^2/NDF : 39.0/39

Out: -4.080 ± 4.334 χ^2/NDF : 45.3/43

All: -5.278 ± 3.106 χ^2/NDF : 84.5/83

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.100+/-0.007 χ^2/NDF : 601502.5/16

Left Out: 20.278+/-0.003 χ^2/NDF : 406618.6/24

Right Out: 26.935+/-0.007 χ^2/NDF : 677999.1/18

Left In: 20.424+/-0.003 χ^2/NDF : 323427.4/22

Left: 20.349+/-0.002 χ^2/NDF : 730947.0/47

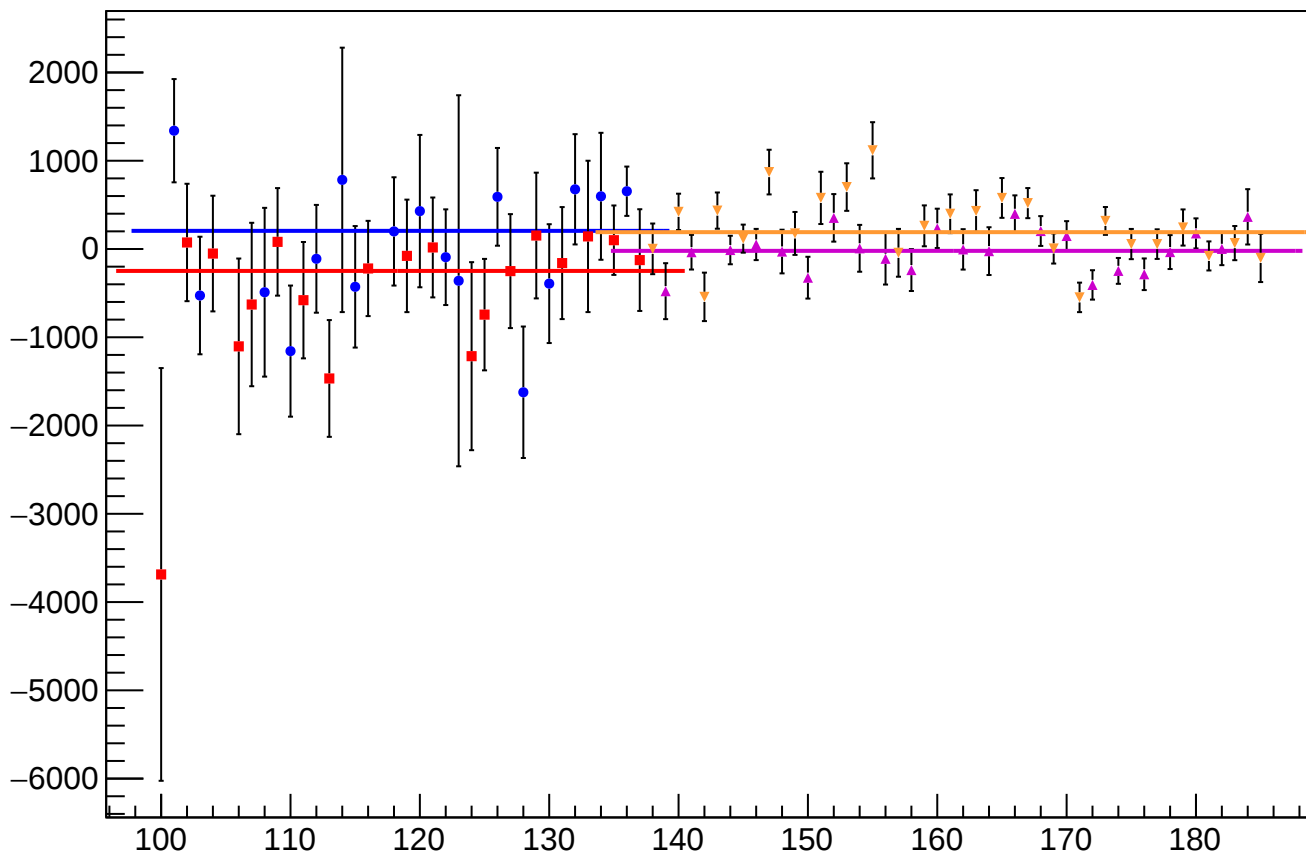
Right: 26.515+/-0.005 χ^2/NDF : 1285891.0/35

In: 21.460+/-0.003 χ^2/NDF : 1409796.8/39

Out: 21.419+/-0.003 χ^2/NDF : 1754519.6/43

All: 21.439+/-0.002 χ^2/NDF : 3164403.8/83

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 205.606 $\pm$ 148.196 χ^2 /NDF: 21.3/16

Left Out: 190.917 $\pm$ 41.319 χ^2 /NDF:67.9/24

Right Out: -248.324 $\pm$ 150.188 χ^2 /NDF: 10.4/18

Left In: -20.998 $\pm$ 42.291 χ^2 /NDF:27.7/22

Left: 87.423 $\pm$ 29.554 χ^2 /NDF: 108.4/47

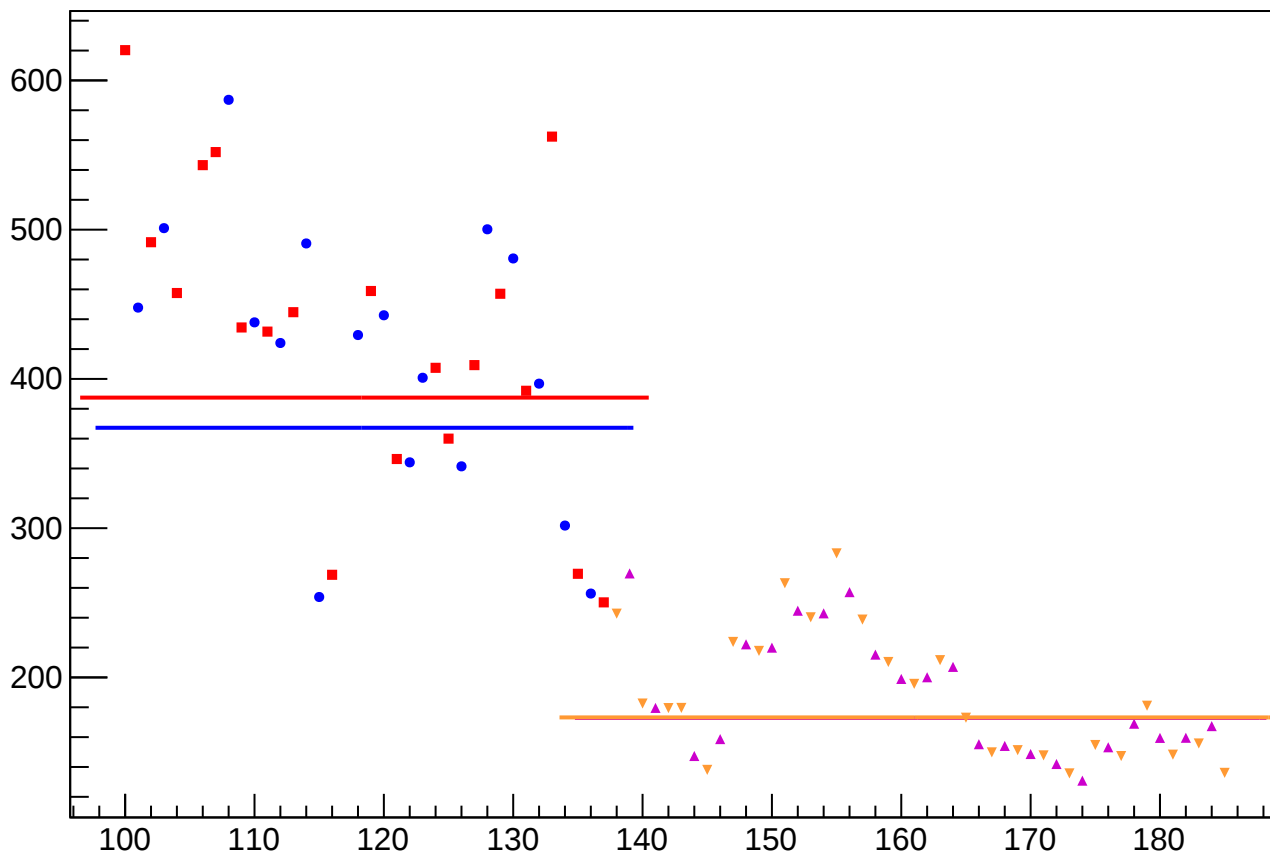
Right: -18.328 $\pm$ 105.488 χ^2 /NDF: 36.4/35

In: -3.934 $\pm$ 40.667 χ^2 /NDF:51.2/39

Out: 160.011 $\pm$ 39.839 χ^2 /NDF:86.3/43

All: 79.726 $\pm$ 28.459 χ^2 /NDF: 145.8/83

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.272 $\pm$ 0.105 χ^2 /NDF: 829589.7/16

Left Out: 173.208 $\pm$ 0.029 χ^2 /NDF:1561418.9/24

Right Out: 387.481 $\pm$ 0.106 χ^2 /NDF: 774967.1/18

Left In: 172.828 $\pm$ 0.030 χ^2 /NDF:1372131.7/22

Left: 173.022 $\pm$ 0.021 χ^2 /NDF: 2933633.3/47

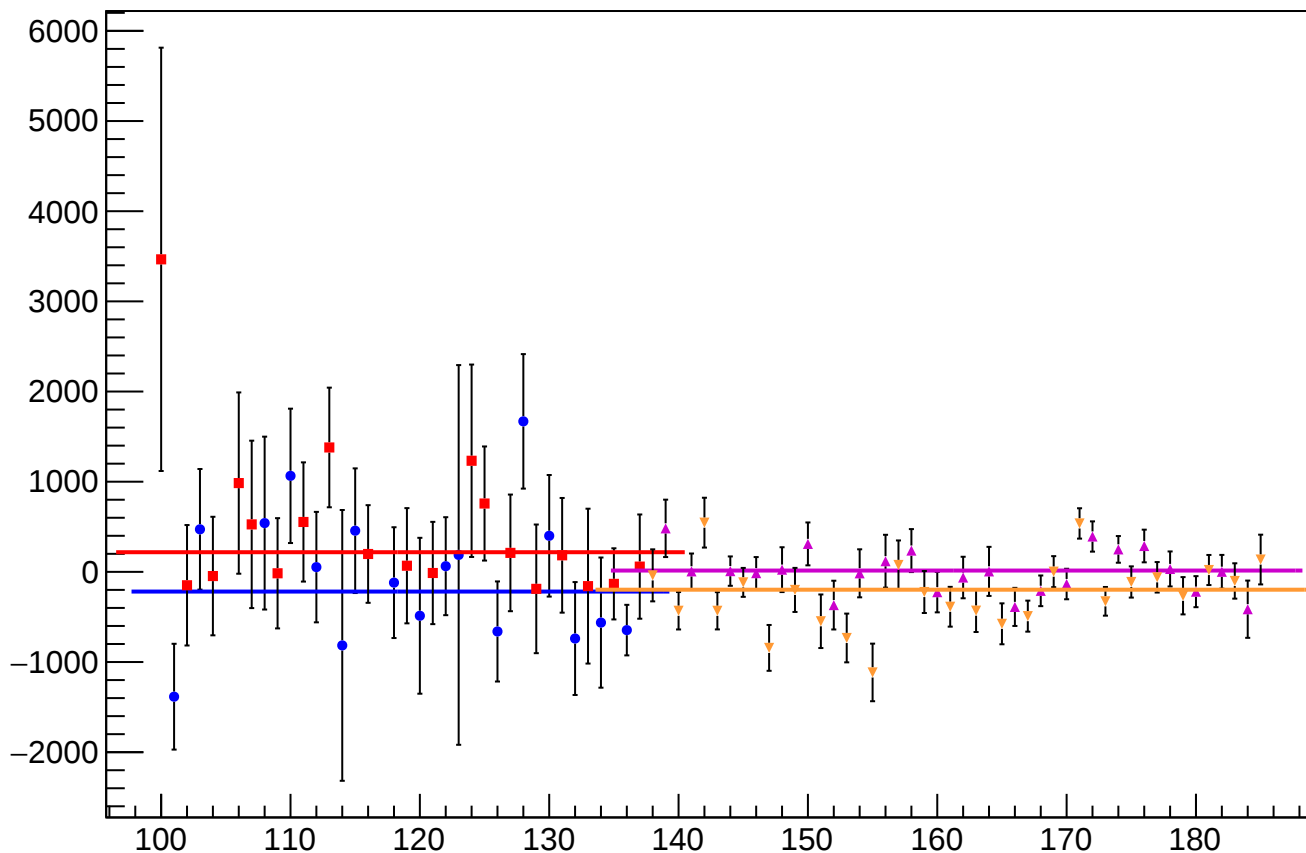
Right: 377.241 $\pm$ 0.075 χ^2 /NDF: 1622903.6/35

In: 187.470 $\pm$ 0.029 χ^2 /NDF:5385533.3/39

Out: 188.284 $\pm$ 0.028 χ^2 /NDF:6120848.3/43

All: 187.886 $\pm$ 0.020 χ^2 /NDF: 11506790.8/83

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -218.471 ± 148.628 $\chi^2/\text{NDF}: 21.5/16$

Left Out: -197.872 ± 41.643 $\chi^2/\text{NDF}: 64.3/24$

Right Out: 217.922 ± 150.640 $\chi^2/\text{NDF}: 9.8/18$

Left In: 14.616 ± 42.629 $\chi^2/\text{NDF}: 27.7/22$

Left: -94.115 ± 29.789 $\chi^2/\text{NDF}: 104.7/47$

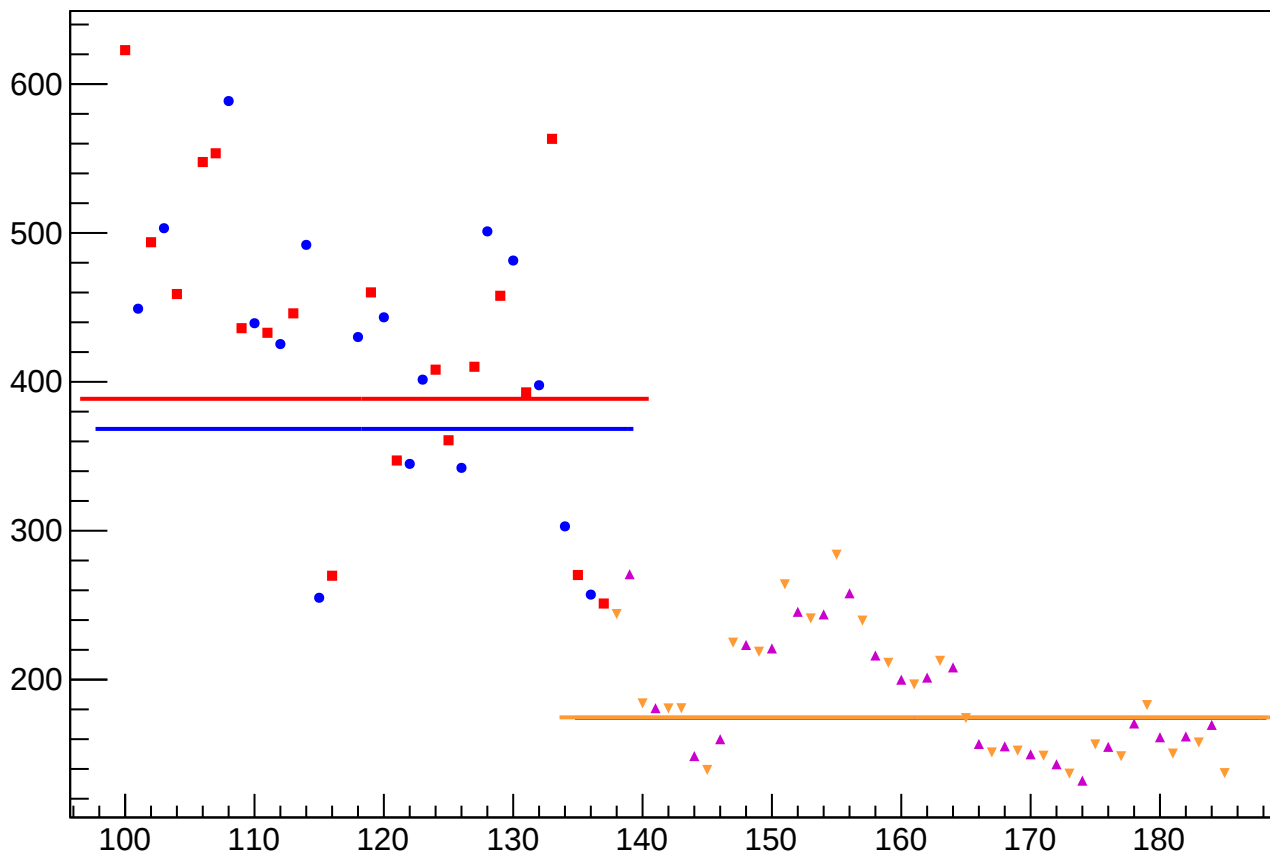
Right: -3.208 ± 105.800 $\chi^2/\text{NDF}: 35.5/35$

In: -3.102 ± 40.977 $\chi^2/\text{NDF}: 51.5/39$

Out: -168.353 ± 40.138 $\chi^2/\text{NDF}: 81.1/43$

All: -87.438 ± 28.674 $\chi^2/\text{NDF}: 140.9/83$

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.392 $\pm$ 0.105 χ^2 /NDF: 826964.8/16

Left Out: 174.646 $\pm$ 0.029 χ^2 /NDF: 1532160.2/24

Right Out: 388.611 $\pm$ 0.107 χ^2 /NDF: 775115.8/18

Left In: 174.288 $\pm$ 0.030 χ^2 /NDF: 1344779.5/22

Left: 174.471 $\pm$ 0.021 χ^2 /NDF: 2877011.7/47

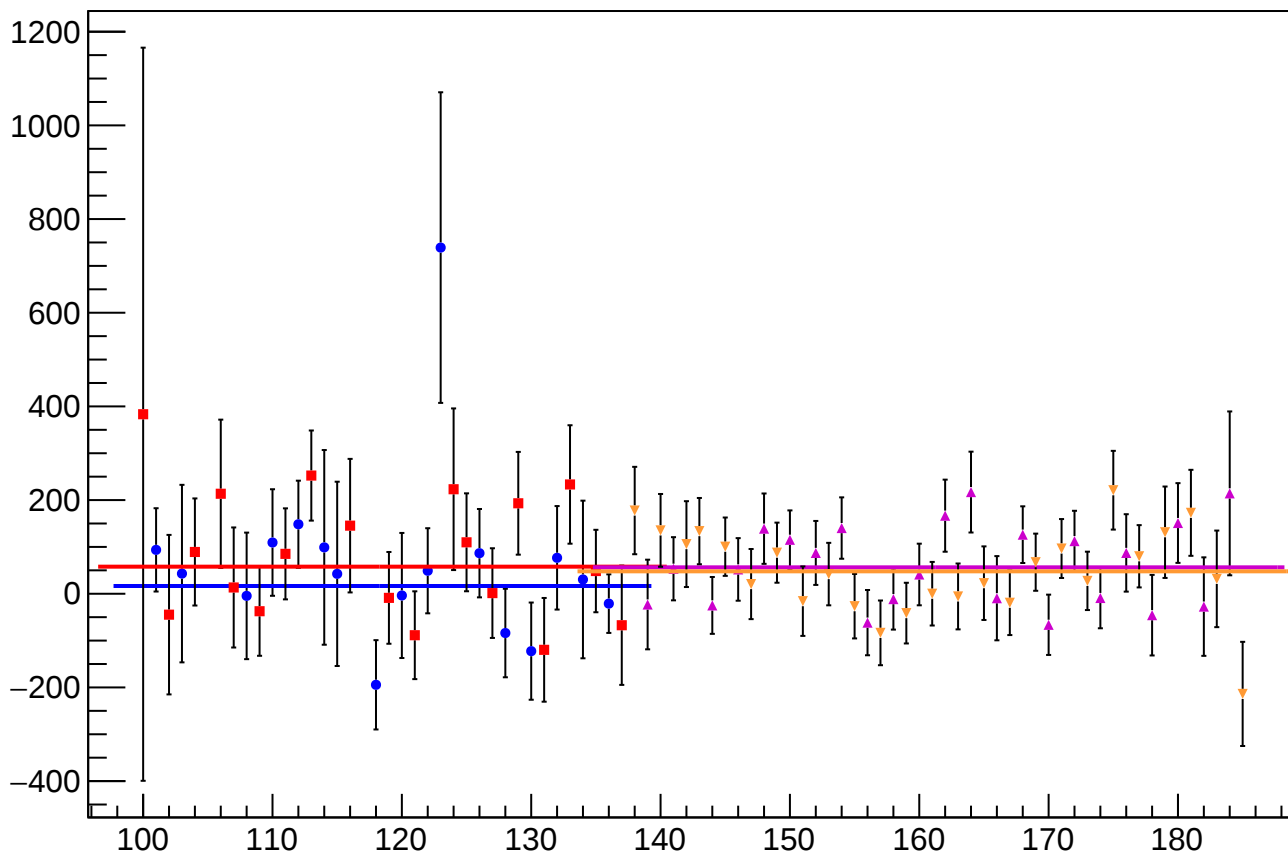
Right: 378.366 $\pm$ 0.075 χ^2 /NDF: 1620338.7/35

In: 189.042 $\pm$ 0.029 χ^2 /NDF: 5323560.7/39

Out: 189.836 $\pm$ 0.028 χ^2 /NDF: 6055763.3/43

All: 189.447 $\pm$ 0.020 χ^2 /NDF: 11379706.9/83

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 16.561 $\pm$ 26.377 χ^2 /NDF: 17.6/16

Left Out: 47.887 $\pm$ 14.617 χ^2 /NDF:29.3/24

Right Out: 57.839 $\pm$ 26.196 χ^2 /NDF: 18.7/18

Left In: 56.403 $\pm$ 15.182 χ^2 /NDF:27.5/22

Left: 51.984 $\pm$ 10.530 χ^2 /NDF: 56.9/47

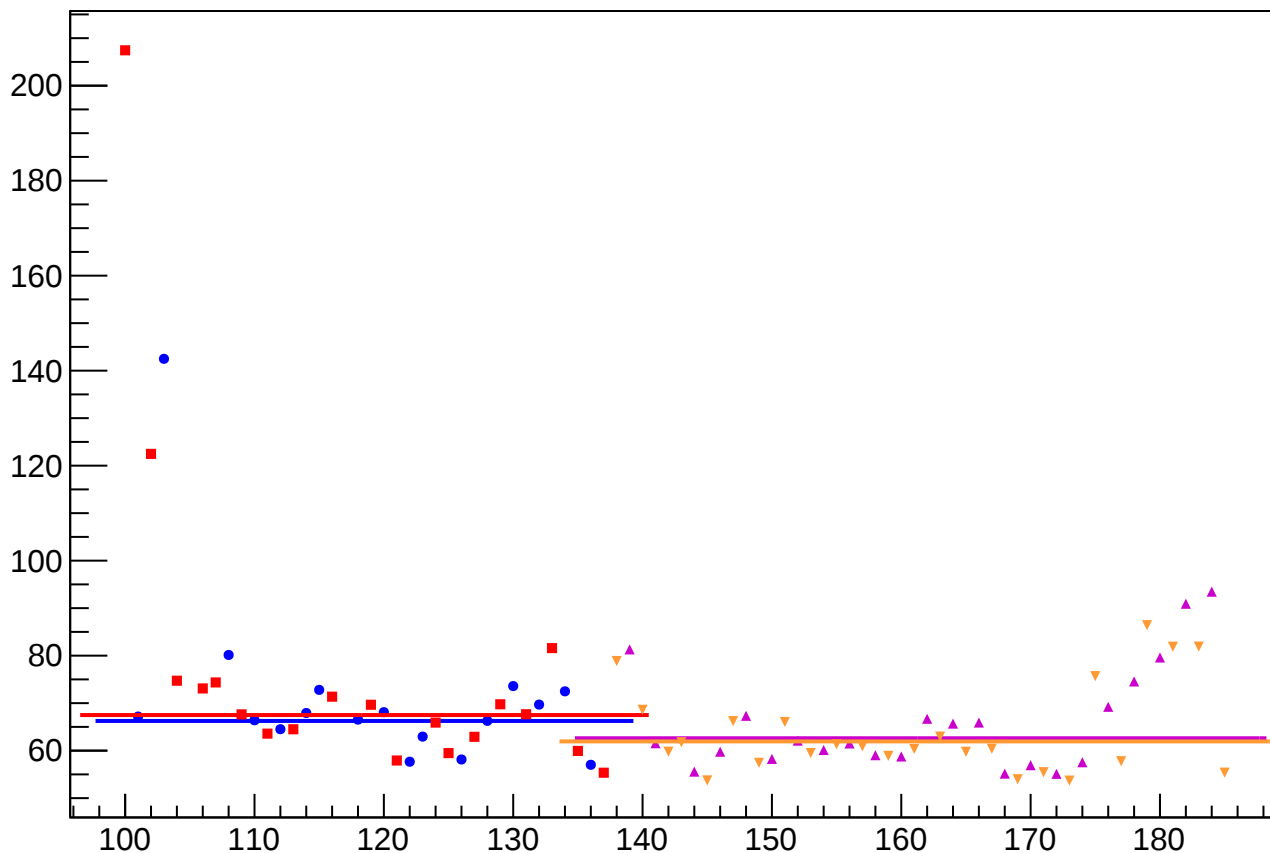
Right: 37.342 $\pm$ 18.587 χ^2 /NDF: 37.5/35

In: 46.488 $\pm$ 13.158 χ^2 /NDF:46.8/39

Out: 50.250 $\pm$ 12.764 χ^2 /NDF:48.1/43

All: 48.426 $\pm$ 9.162 χ^2 /NDF: 94.9/83

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.252 $\pm$ 0.019 χ^2 /NDF: 439625.4/16

Left Out: 61.943 $\pm$ 0.010 χ^2 /NDF: 604305.6/24

Right Out: 67.493 $\pm$ 0.019 χ^2 /NDF: 392346.8/18

Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

Left: 62.263 $\pm$ 0.007 χ^2 /NDF: 1181805.9/47

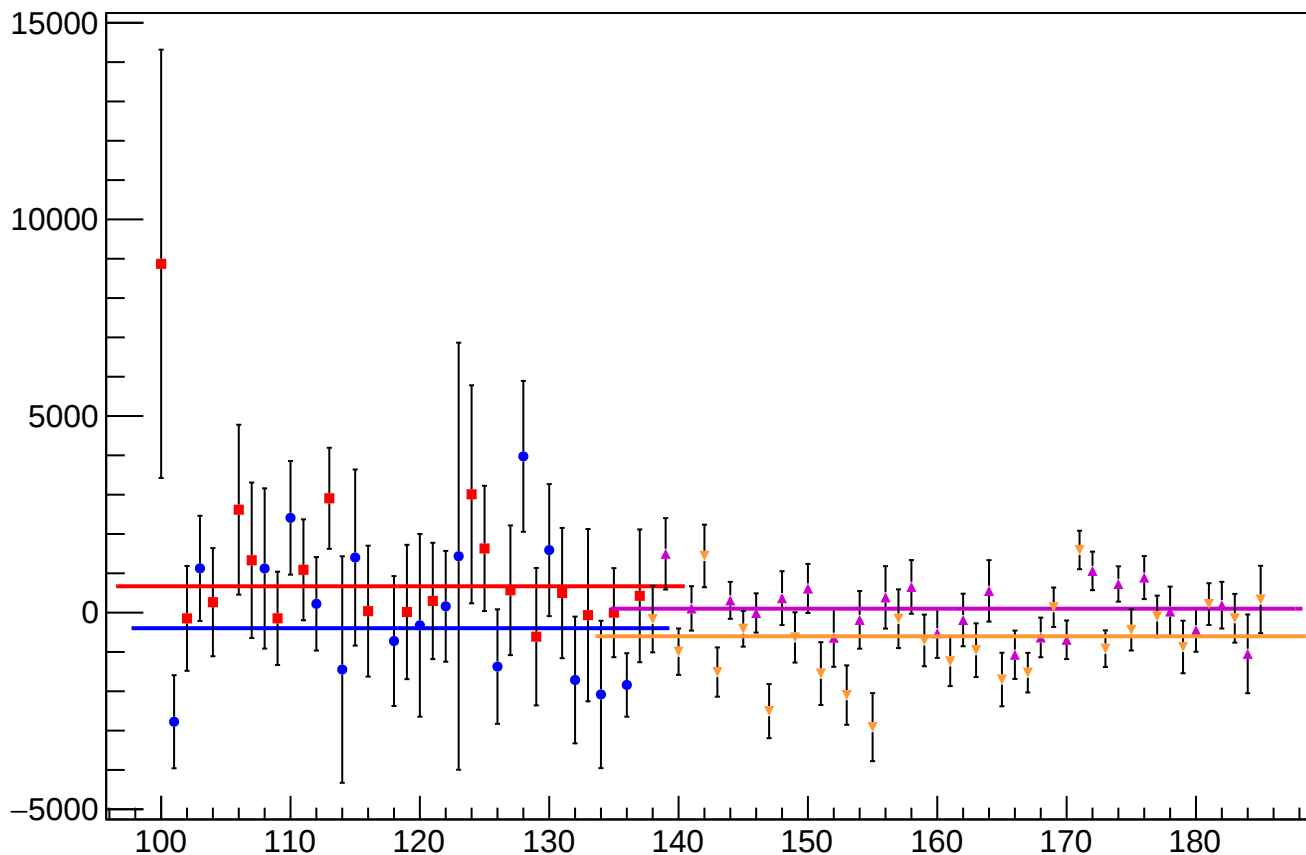
Right: 66.877 $\pm$ 0.013 χ^2 /NDF: 834200.1/35

In: 63.514 $\pm$ 0.009 χ^2 /NDF: 1043835.7/39

Out: 63.261 $\pm$ 0.009 χ^2 /NDF: 1065110.3/43

All: 63.384 $\pm$ 0.006 χ^2 /NDF: 2109327.9/83

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -395.700 ± 367.296 $\chi^2/\text{NDF}: 22.7/16$

Left Out: -601.107 ± 122.131 $\chi^2/\text{NDF}: 65.4/24$

Right Out: 670.465 ± 362.692 $\chi^2/\text{NDF}: 9.7/18$

Left In: 100.548 ± 124.725 $\chi^2/\text{NDF}: 25.5/22$

Left: -257.650 ± 87.262 $\chi^2/\text{NDF}: 107.0/47$

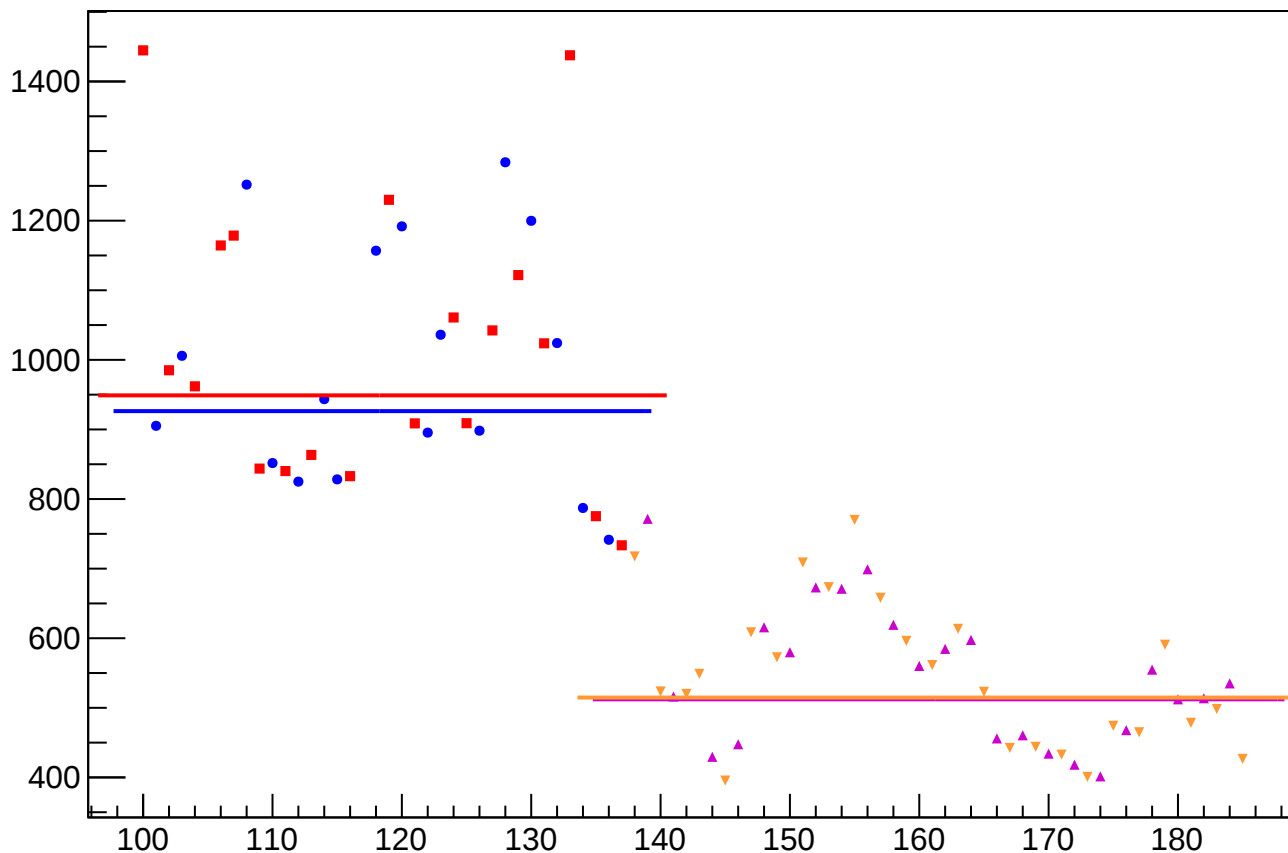
Right: 144.106 ± 258.074 $\chi^2/\text{NDF}: 36.7/35$

In: 49.241 ± 118.101 $\chi^2/\text{NDF}: 49.8/39$

Out: -471.606 ± 115.745 $\chi^2/\text{NDF}: 86.2/43$

All: -216.429 ± 82.665 $\chi^2/\text{NDF}: 145.9/83$

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 926.339 ± 0.260 χ^2/NDF : 395813.5/16

Left Out: 514.746 ± 0.086 χ^2/NDF : 1195005.5/24

Right Out: 948.981 ± 0.256 χ^2/NDF : 382928.4/18

Left In: 512.199 ± 0.088 χ^2/NDF : 1041302.8/22

Left: 513.499 ± 0.062 χ^2/NDF : 2236733.9/47

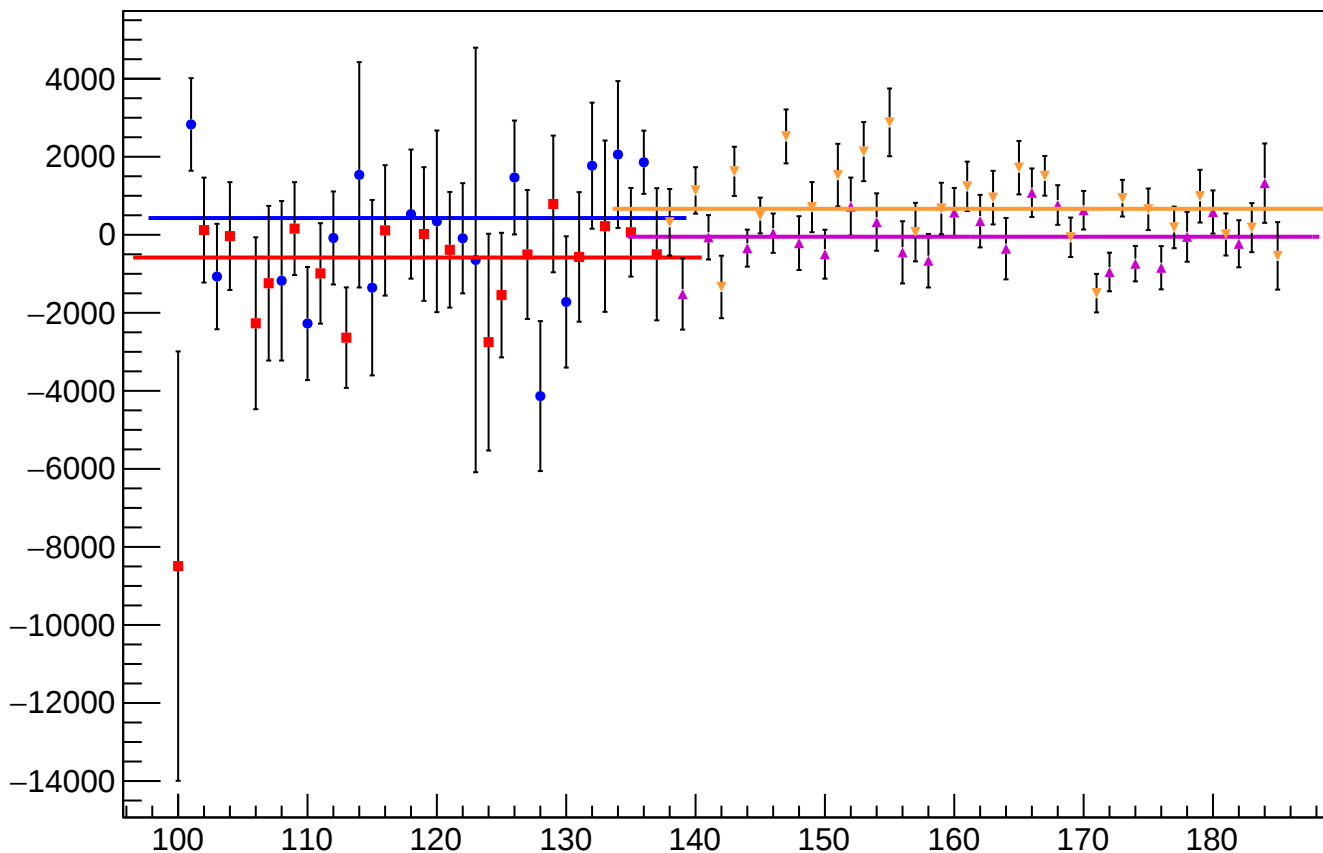
Right: 937.803 ± 0.182 χ^2/NDF : 782589.7/35

In: 555.017 ± 0.084 χ^2/NDF : 3716915.2/39

Out: 558.969 ± 0.082 χ^2/NDF : 4152802.2/43

All: 557.033 ± 0.058 χ^2/NDF : 7870860.0/83

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 429.343+/-368.550 χ^2/NDF : 22.9/16

Left Out: 666.715+/-123.158 χ^2/NDF : 61.6/24

Right Out: -582.178+/-364.139 χ^2/NDF : 8.6/18

Left In: -50.079+/-125.805 χ^2/NDF : 26.1/22

Left: 315.937+/-88.007 χ^2/NDF : 104.2/47

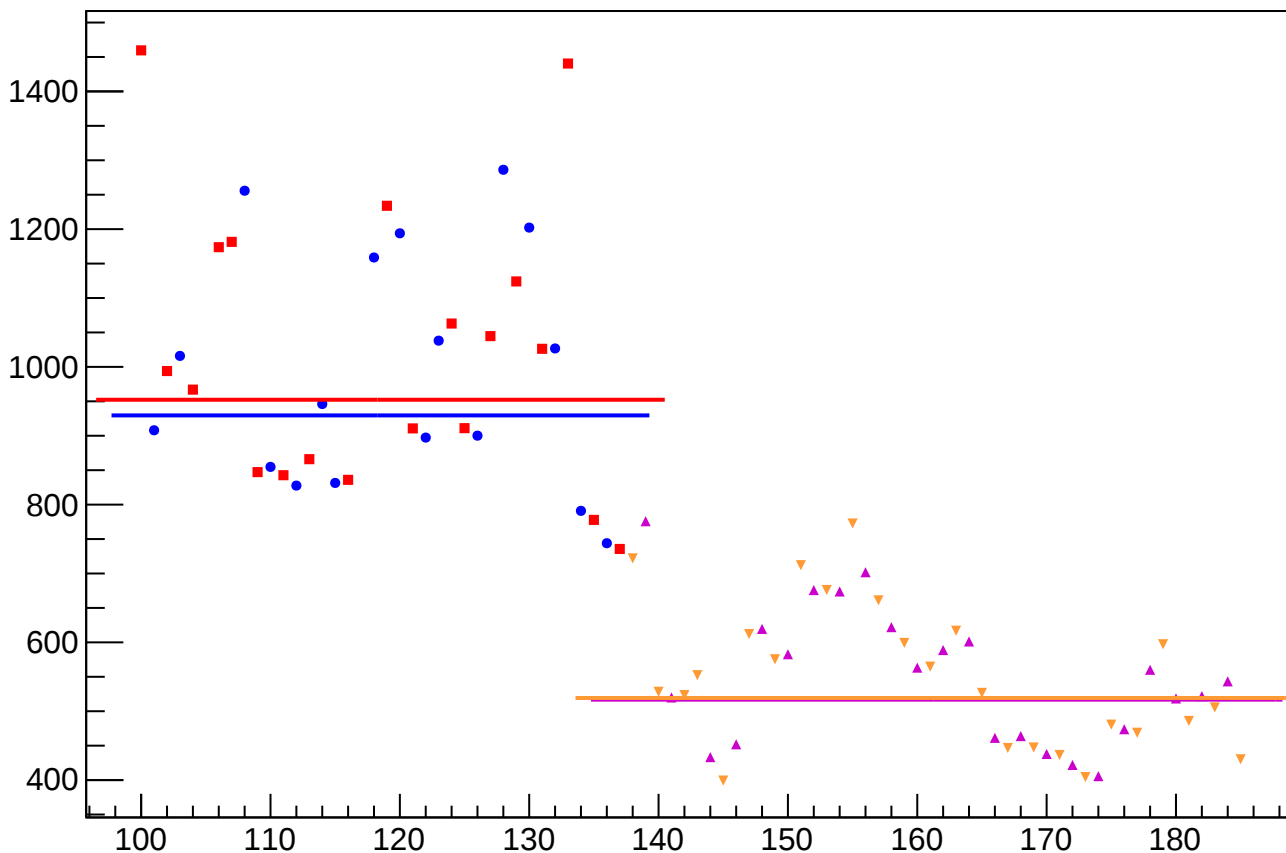
Right: -82.507+/-259.030 χ^2/NDF : 35.3/35

In: -0.046+/-119.059 χ^2/NDF : 50.5/39

Out: 538.517+/-116.666 χ^2/NDF : 80.7/43

All: 274.703+/-83.329 χ^2/NDF : 141.6/83

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.549+/-0.261 χ^2/NDF : 394903.7/16

Left Out: 519.242+/-0.087 χ^2/NDF : 1172460.3/24

Right Out: 952.283+/-0.257 χ^2/NDF : 383199.7/18

Left In: 516.792+/-0.089 χ^2/NDF : 1021374.1/22

Left: 518.043+/-0.062 χ^2/NDF : 2194221.6/47

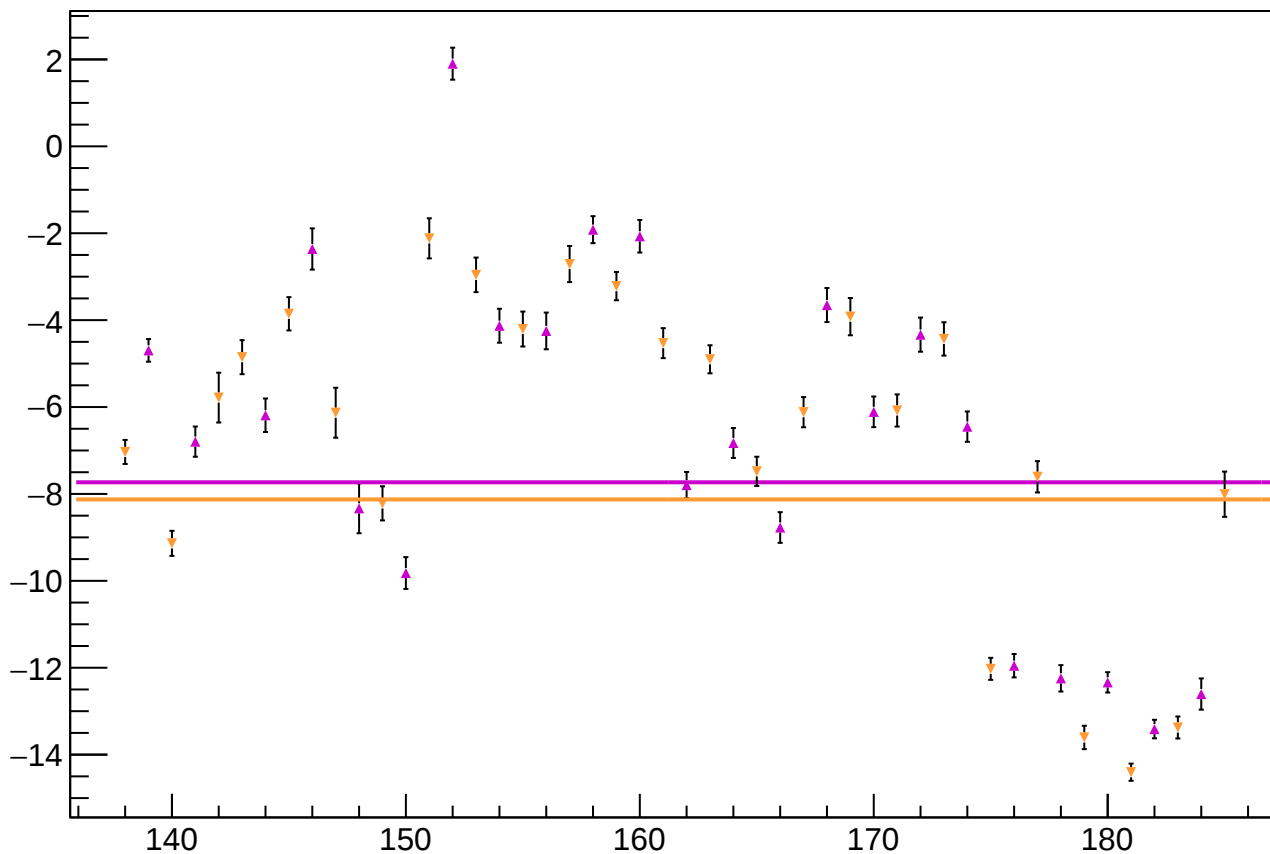
Right: 941.053+/-0.183 χ^2/NDF : 781954.5/35

In: 559.867+/-0.084 χ^2/NDF : 3663053.9/39

Out: 563.693+/-0.082 χ^2/NDF : 4093812.6/43

All: 561.819+/-0.059 χ^2/NDF : 7757919.9/83

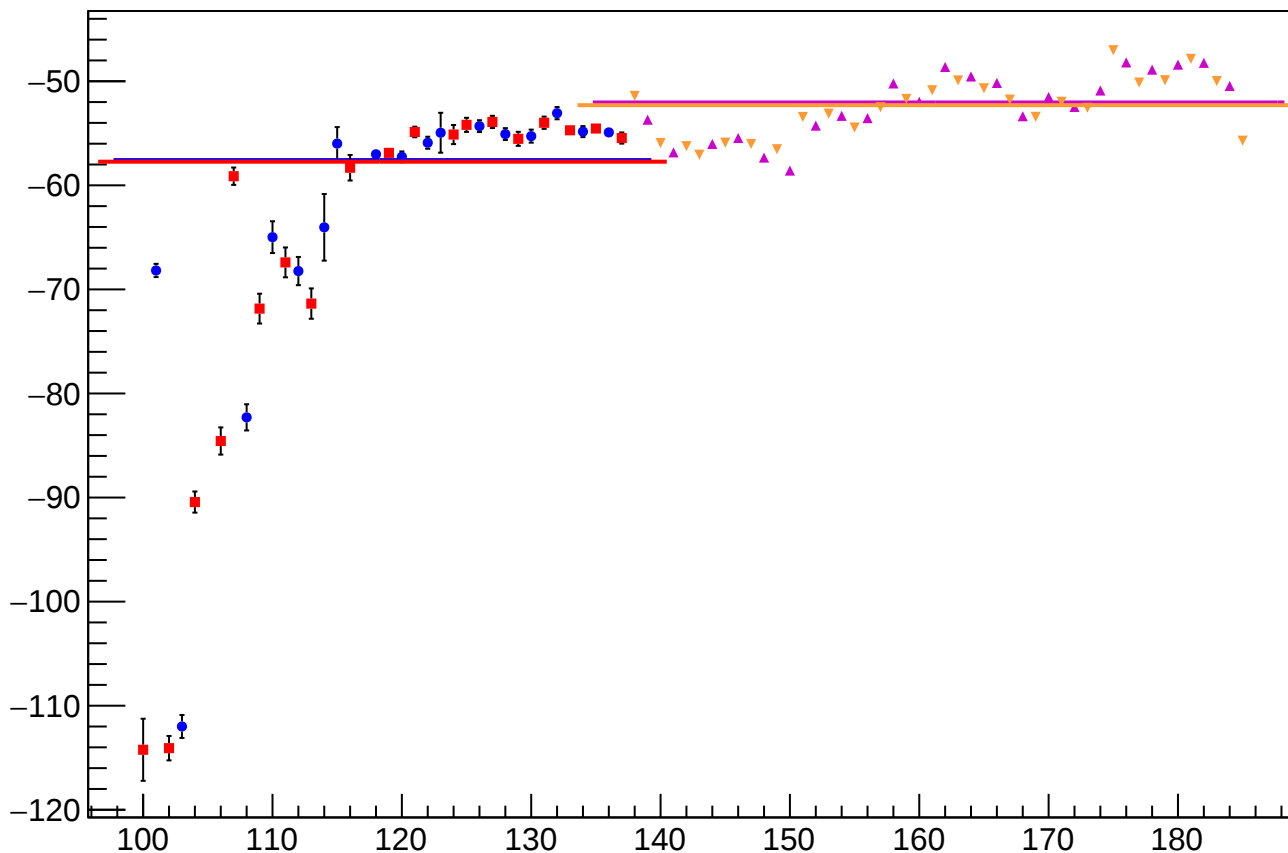
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -8.126 $\pm$ 0.067 χ^2 /NDF:3636.4/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -7.732 $\pm$ 0.069 χ^2 /NDF:3719.0/22

Left: -7.933 $\pm$ 0.048 χ^2 /NDF: 7372.2/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -7.732 $\pm$ 0.069 χ^2 /NDF:3719.0/22
 Out: -8.126 $\pm$ 0.067 χ^2 /NDF:3636.4/24
 All: -7.933 $\pm$ 0.048 χ^2 /NDF: 7372.2/47

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.574 ± 0.143 $\chi^2/\text{NDF}: 3458.2/16$

Left Out: -52.299 ± 0.055 $\chi^2/\text{NDF}: 2654.9/24$

Right Out: -57.728 ± 0.143 $\chi^2/\text{NDF}: 4700.5/18$

Left In: -52.038 ± 0.057 $\chi^2/\text{NDF}: 3180.4/22$

Left: -52.173 ± 0.040 $\chi^2/\text{NDF}: 5846.1/47$

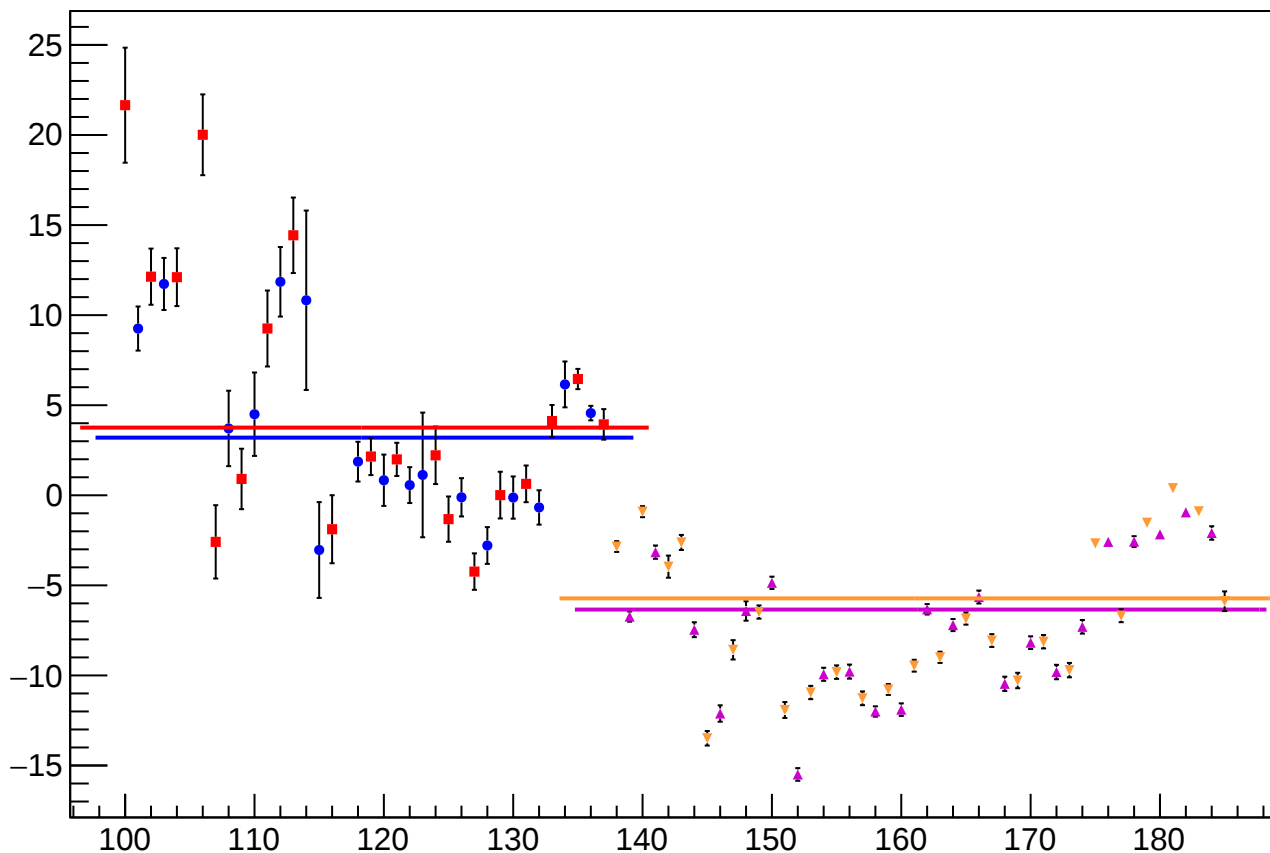
Right: -57.651 ± 0.101 $\chi^2/\text{NDF}: 8159.3/35$

In: -52.799 ± 0.053 $\chi^2/\text{NDF}: 7927.8/39$

Out: -52.998 ± 0.051 $\chi^2/\text{NDF}: 8608.1/43$

All: -52.902 ± 0.037 $\chi^2/\text{NDF}: 16543.2/83$

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.200 $\pm$ 0.259 χ^2 /NDF: 184.7/16

Left Out: -5.723 $\pm$ 0.068 χ^2 /NDF: 3984.5/24

Right Out: 3.758 $\pm$ 0.268 χ^2 /NDF: 320.9/18

Left In: -6.344 $\pm$ 0.069 χ^2 /NDF: 3383.7/22

Left: -6.029 $\pm$ 0.048 χ^2 /NDF: 7409.9/47

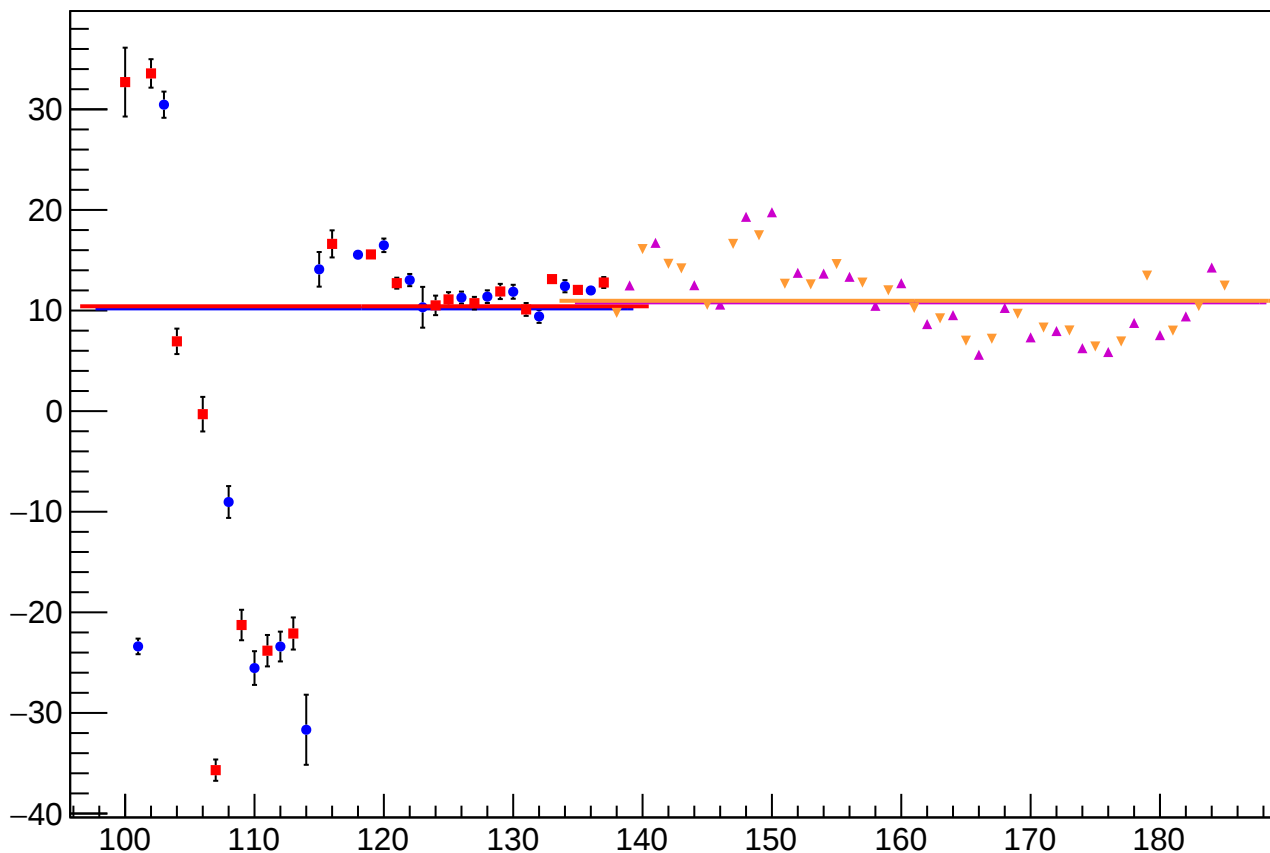
Right: 3.470 $\pm$ 0.186 χ^2 /NDF: 507.9/35

In: -5.719 $\pm$ 0.066 χ^2 /NDF: 4834.8/39

Out: -5.156 $\pm$ 0.066 χ^2 /NDF: 5481.8/43

All: -5.434 $\pm$ 0.047 χ^2 /NDF: 10353.1/83

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.213+/-0.158 χ^2/NDF : 3680.0/16

Left Out: 10.969+/-0.061 χ^2/NDF : 2637.1/24

Right Out: 10.422+/-0.160 χ^2/NDF : 3826.2/18

Left In: 10.813+/-0.063 χ^2/NDF : 3546.8/22

Left: 10.894+/-0.044 χ^2/NDF : 6187.0/47

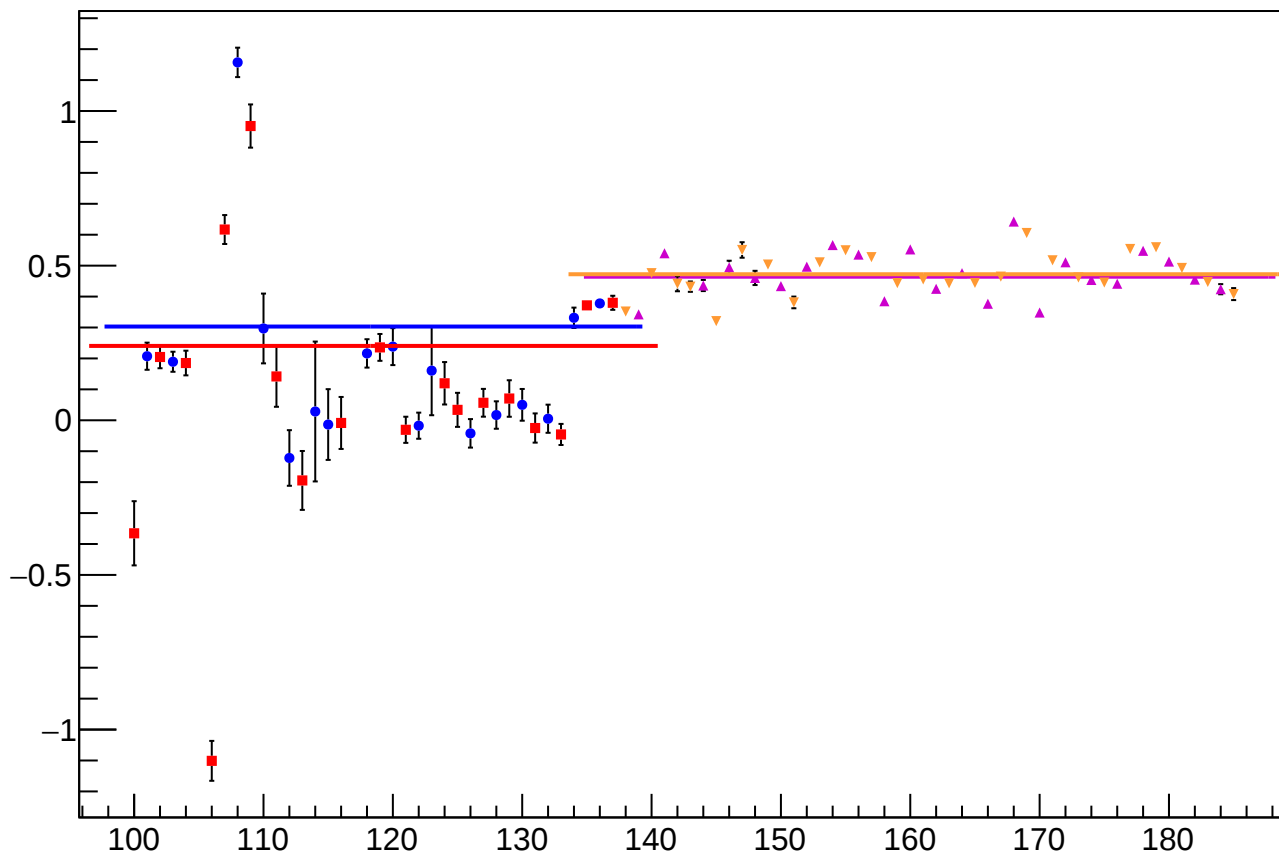
Right: 10.316+/-0.113 χ^2/NDF : 7507.1/35

In: 10.731+/-0.059 χ^2/NDF : 7239.2/39

Out: 10.899+/-0.057 χ^2/NDF : 6473.5/43

All: 10.817+/-0.041 χ^2/NDF : 13716.9/83

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 $\pm$ 0.008 χ^2/NDF : 647.2/16

Left Out: 0.472 $\pm$ 0.003 χ^2/NDF :519.2/24

Right Out: 0.240 $\pm$ 0.009 χ^2/NDF : 983.3/18

Left In: 0.464 $\pm$ 0.003 χ^2/NDF :733.1/22

Left: 0.468 $\pm$ 0.002 χ^2/NDF : 1256.4/47

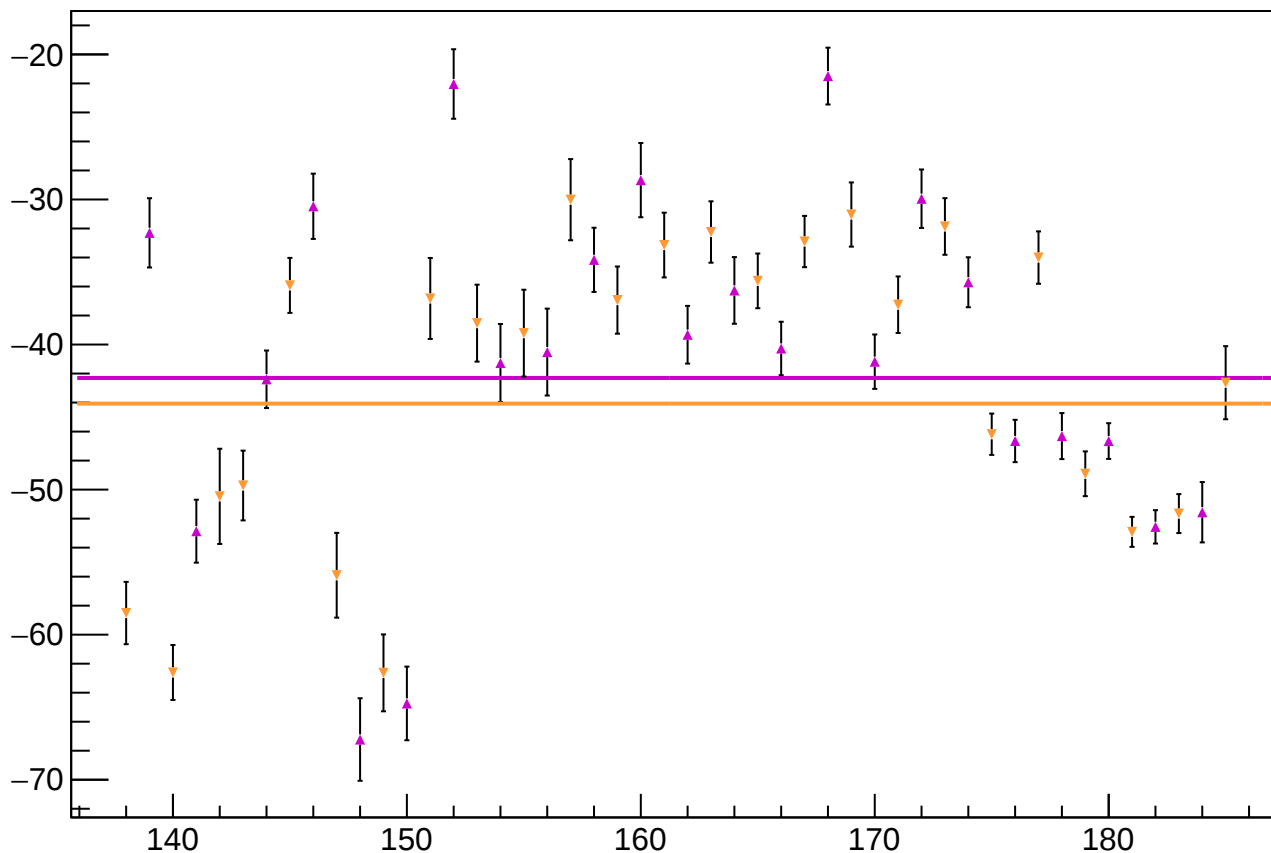
Right: 0.273 $\pm$ 0.006 χ^2/NDF : 1658.4/35

In: 0.448 $\pm$ 0.003 χ^2/NDF :1725.1/39

Out: 0.450 $\pm$ 0.003 χ^2/NDF :2170.0/43

All: 0.449 $\pm$ 0.002 χ^2/NDF : 3895.6/83

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



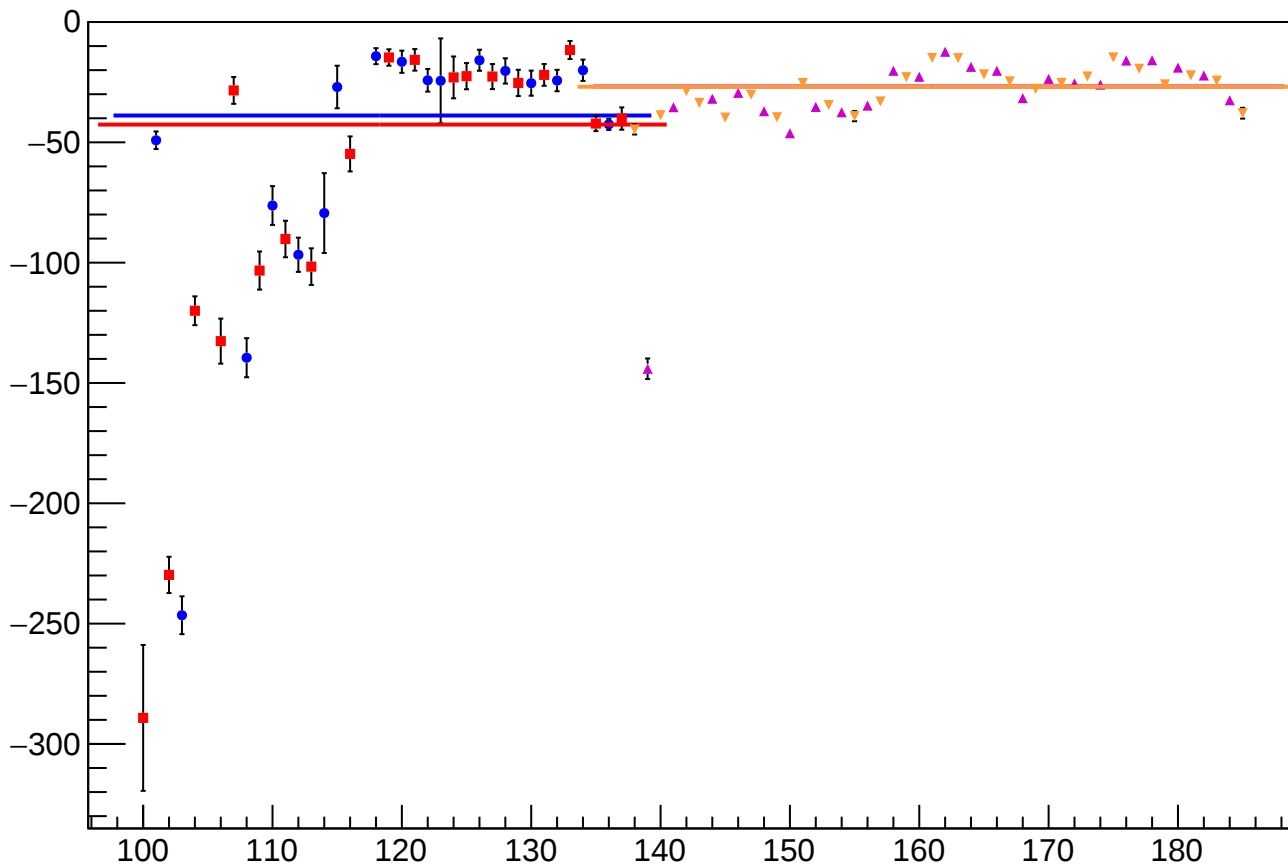
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -44.073+/-0.389 χ^2/NDF : 632.4/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -42.304+/-0.399 χ^2/NDF : 640.6/22

Left: -43.212+/-0.278 χ^2/NDF : 1283.1/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -42.304+/-0.399 χ^2/NDF : 640.6/22
 Out: -44.073+/-0.389 χ^2/NDF : 632.4/24

All: -43.212+/-0.278 χ^2/NDF : 1283.1/47

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.852 ± 1.150 $\chi^2/\text{NDF}: 1121.7/16$

Left Out: -26.901 ± 0.316 $\chi^2/\text{NDF}: 631.1/24$

Right Out: -42.616 ± 1.212 $\chi^2/\text{NDF}: 1345.6/18$

Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

Left: -26.839 ± 0.227 $\chi^2/\text{NDF}: 2025.7/47$

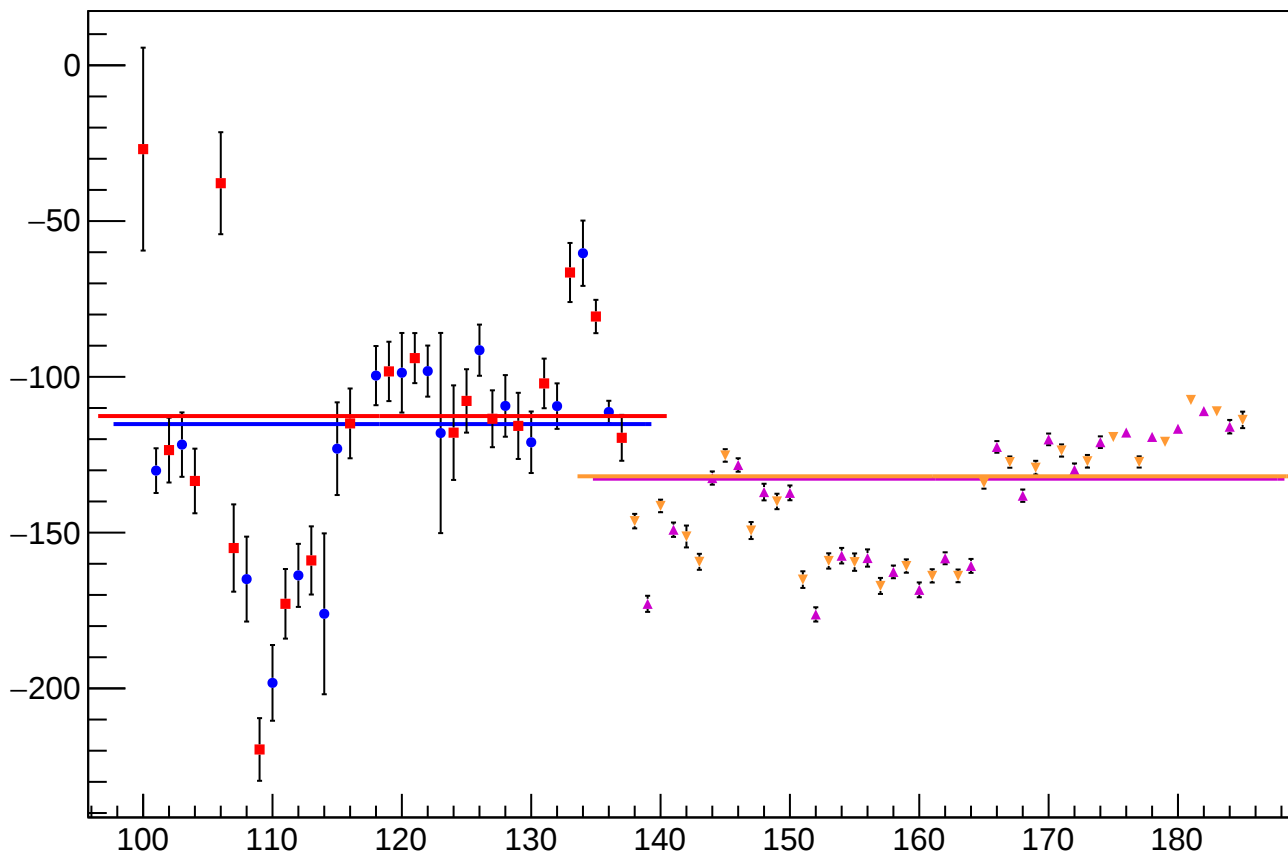
Right: -40.635 ± 0.834 $\chi^2/\text{NDF}: 2472.4/35$

In: -27.674 ± 0.314 $\chi^2/\text{NDF}: 2618.4/39$

Out: -27.903 ± 0.306 $\chi^2/\text{NDF}: 2134.1/43$

All: -27.791 ± 0.219 $\chi^2/\text{NDF}: 4752.8/83$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.163 $\pm$ 2.084 χ^2 /NDF: 140.5/16

Left Out: -131.921 $\pm$ 0.392 χ^2 /NDF:2438.4/24

Right Out: -112.587 $\pm$ 2.213 χ^2 /NDF: 272.4/18

Left In: -132.690 $\pm$ 0.399 χ^2 /NDF:2480.2/22

Left: -132.298 $\pm$ 0.280 χ^2 /NDF: 4920.5/47

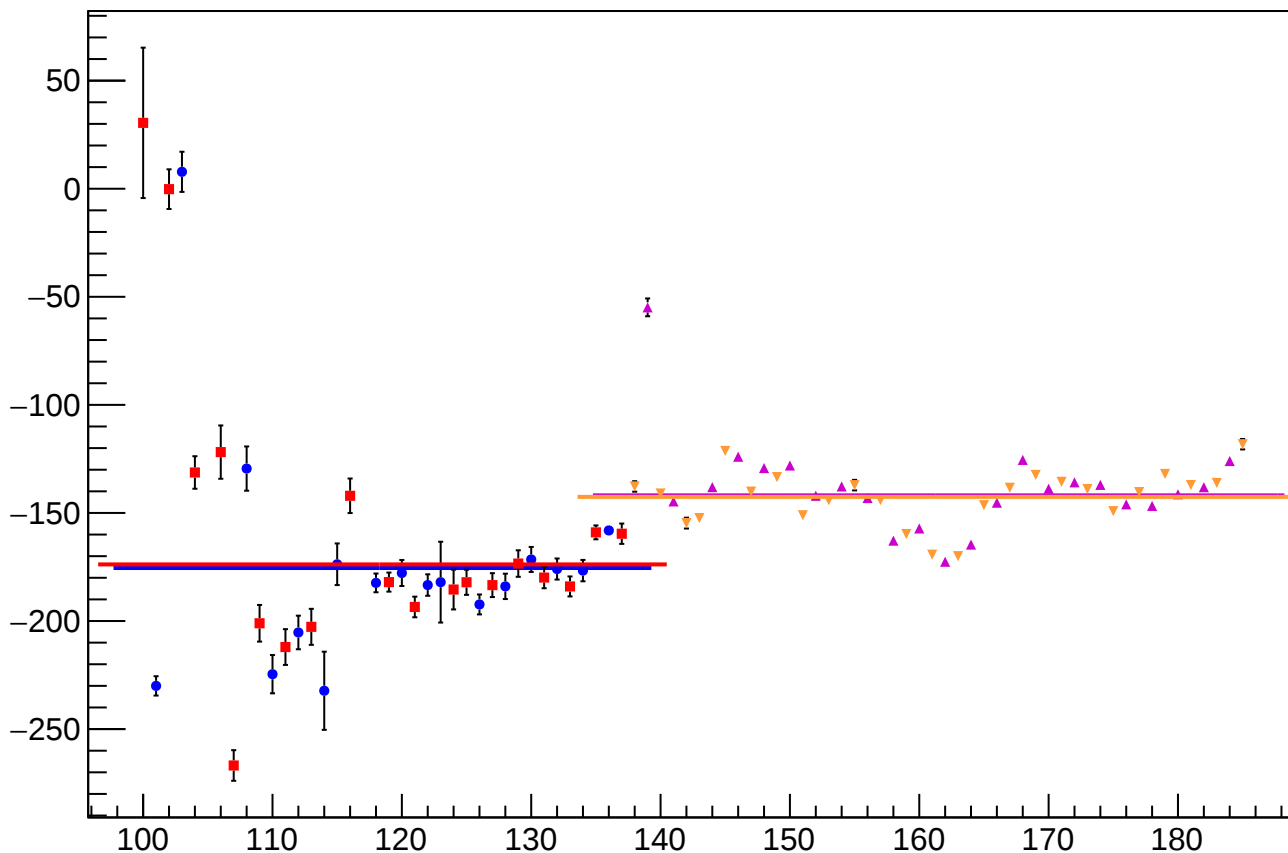
Right: -113.952 $\pm$ 1.517 χ^2 /NDF: 413.6/35

In: -132.068 $\pm$ 0.392 χ^2 /NDF:2689.0/39

Out: -131.334 $\pm$ 0.386 χ^2 /NDF:2784.8/43

All: -131.695 $\pm$ 0.275 χ^2 /NDF: 5475.6/83

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.476 ± 1.279 χ^2/NDF : 691.2/16

Left Out: -142.567 ± 0.354 χ^2/NDF : 1147.5/24

Right Out: -173.809 ± 1.359 χ^2/NDF : 738.0/18

Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

Left: -142.221 ± 0.254 χ^2/NDF : 2693.7/47

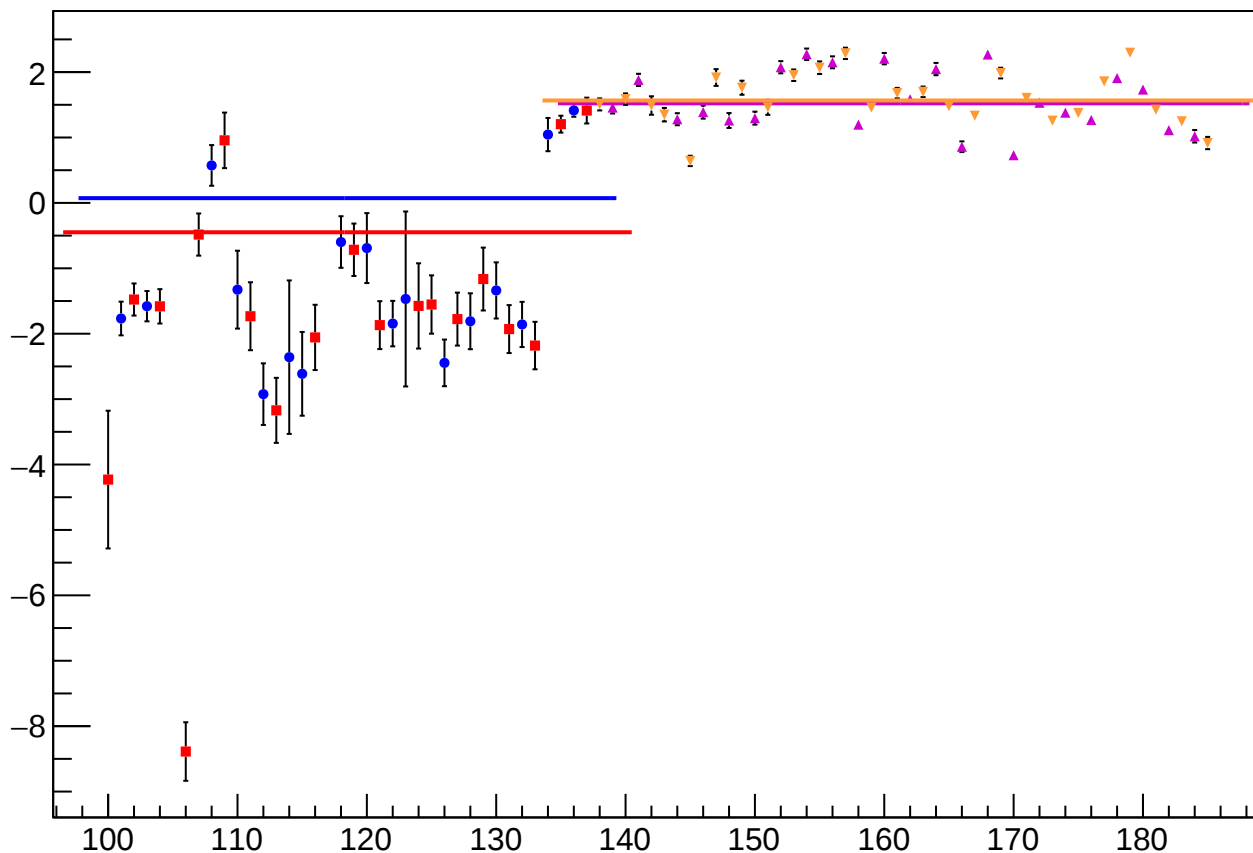
Right: -174.693 ± 0.931 χ^2/NDF : 1430.0/35

In: -144.373 ± 0.350 χ^2/NDF : 2874.9/39

Out: -144.553 ± 0.343 χ^2/NDF : 2380.5/43

All: -144.465 ± 0.245 χ^2/NDF : 5255.5/83

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.073 $\pm$ 0.067 χ^2 /NDF: 525.2/16

Left Out: 1.566 $\pm$ 0.016 χ^2 /NDF:543.0/24

Right Out: -0.449 $\pm$ 0.071 χ^2 /NDF: 750.7/18

Left In: 1.523 $\pm$ 0.017 χ^2 /NDF:738.5/22

Left: 1.545 $\pm$ 0.012 χ^2 /NDF: 1285.0/47

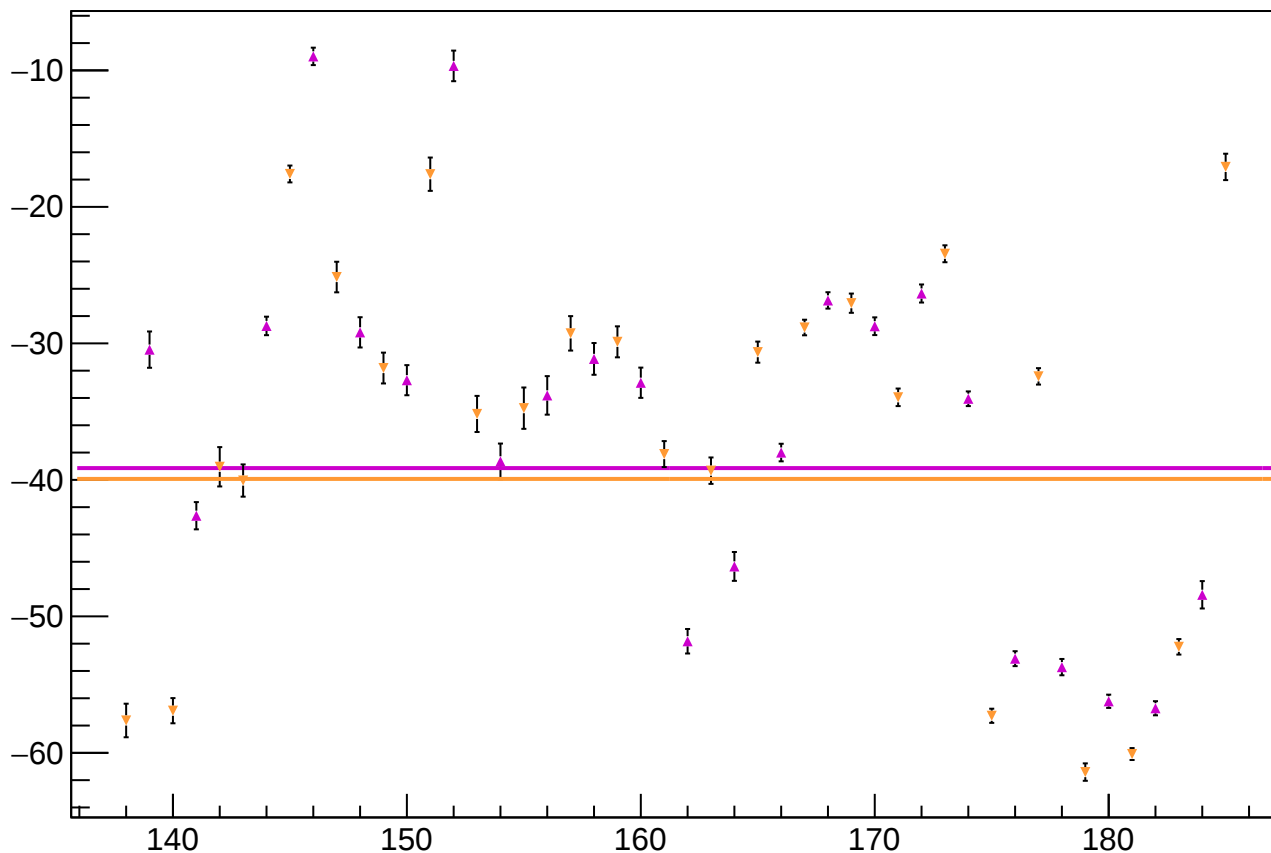
Right: -0.172 $\pm$ 0.049 χ^2 /NDF: 1304.2/35

In: 1.440 $\pm$ 0.016 χ^2 /NDF:1703.0/39

Out: 1.468 $\pm$ 0.016 χ^2 /NDF:2051.3/43

All: 1.454 $\pm$ 0.011 χ^2 /NDF: 3755.8/83

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -39.930 $\pm$ 0.153 χ^2 /NDF:9804.1/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -39.137 $\pm$ 0.155 χ^2 /NDF:8534.5/22

Left: -39.537 $\pm$ 0.109 χ^2 /NDF: 18351.8/47

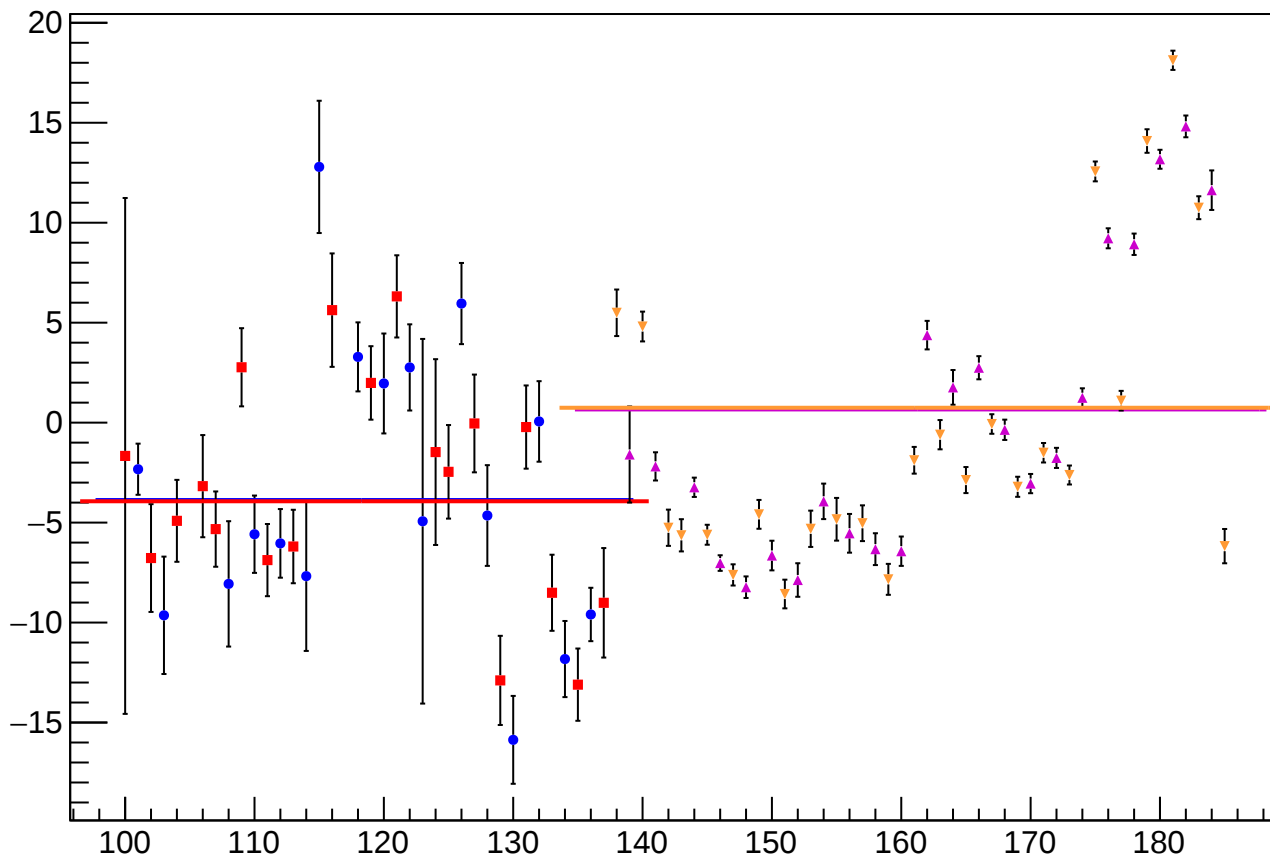
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -39.137 $\pm$ 0.155 χ^2 /NDF:8534.5/22

Out: -39.930 $\pm$ 0.153 χ^2 /NDF:9804.1/24

All: -39.537 $\pm$ 0.109 χ^2 /NDF: 18351.8/47

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.872 ± 0.499 χ^2/NDF : 161.0/16

Left Out: 0.744 ± 0.124 χ^2/NDF : 3964.8/24

Right Out: -3.933 ± 0.508 χ^2/NDF : 122.0/18

Left In: 0.660 ± 0.124 χ^2/NDF : 3337.8/22

Left: 0.702 ± 0.088 χ^2/NDF : 7302.8/47

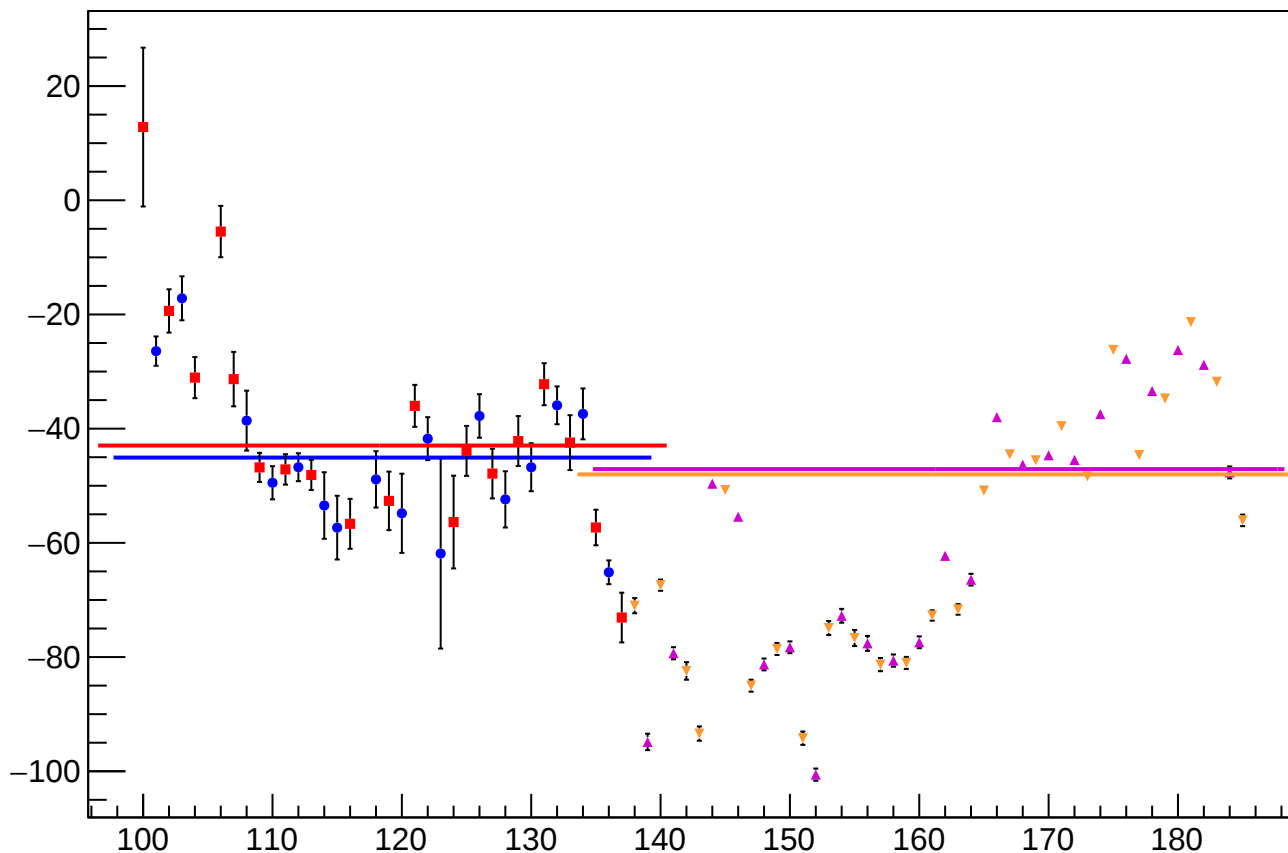
Right: -3.902 ± 0.356 χ^2/NDF : 283.0/35

In: 0.395 ± 0.121 χ^2/NDF : 3576.4/39

Out: 0.480 ± 0.121 χ^2/NDF : 4167.0/43

All: 0.438 ± 0.085 χ^2/NDF : 7743.6/83

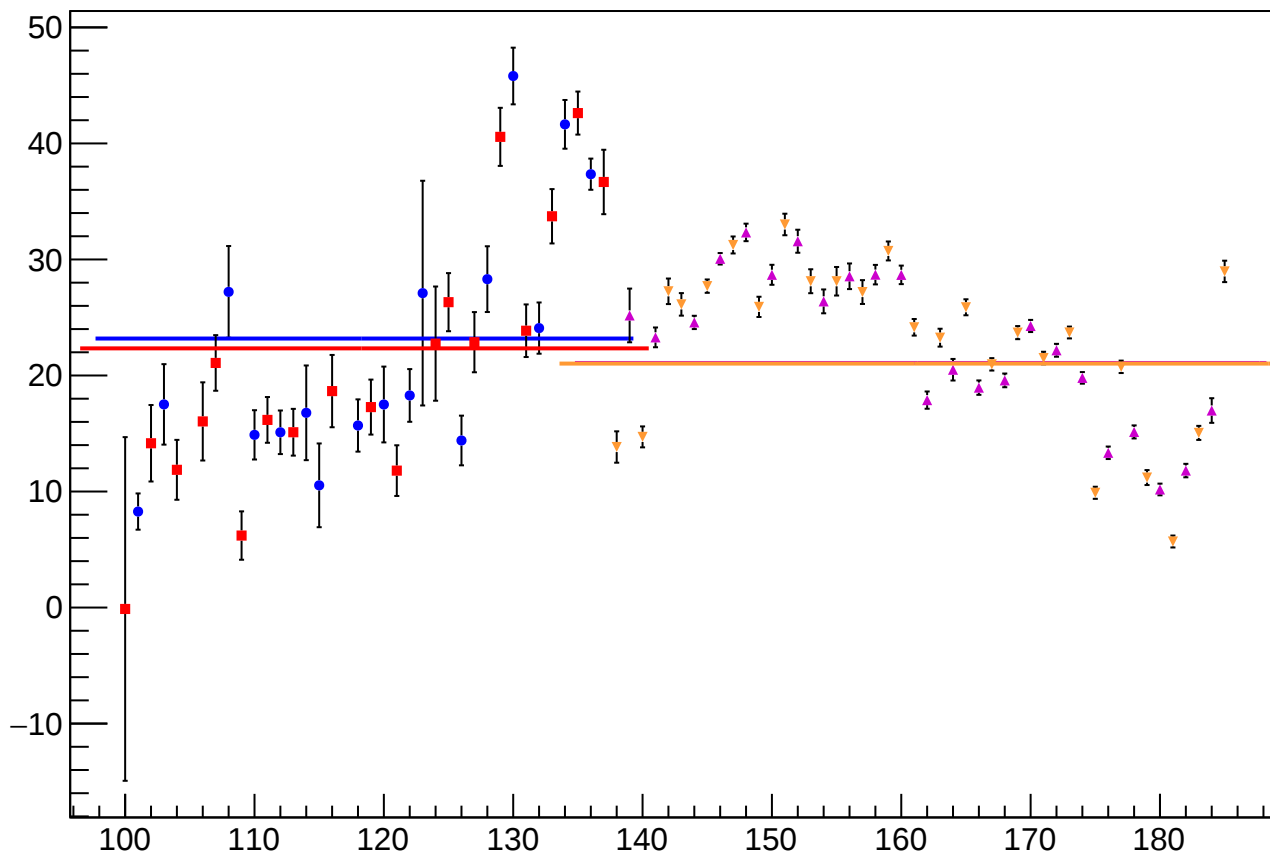
reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.063 ± 0.885 $\chi^2/\text{NDF}: 230.3/16$
 Left Out: -48.011 ± 0.155 $\chi^2/\text{NDF}: 16949.5/24$
 Right Out: -42.956 ± 0.879 $\chi^2/\text{NDF}: 248.1/18$
 Left In: -47.085 ± 0.155 $\chi^2/\text{NDF}: 15515.2/22$

Left: -47.550 ± 0.110 $\chi^2/\text{NDF}: 32482.6/47$
 Right: -44.003 ± 0.624 $\chi^2/\text{NDF}: 481.3/35$
 In: -47.024 ± 0.153 $\chi^2/\text{NDF}: 15750.6/39$
 Out: -47.859 ± 0.152 $\chi^2/\text{NDF}: 17229.7/43$
 All: -47.444 ± 0.108 $\chi^2/\text{NDF}: 32995.3/83$

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.185 $\pm$ 0.560 χ^2 /NDF: 456.9/16

Left Out: 21.026 $\pm$ 0.139 χ^2 /NDF:2795.7/24

Right Out: 22.337 $\pm$ 0.574 χ^2 /NDF: 366.3/18

Left In: 21.079 $\pm$ 0.140 χ^2 /NDF:2173.2/22

Left: 21.052 $\pm$ 0.098 χ^2 /NDF: 4969.0/47

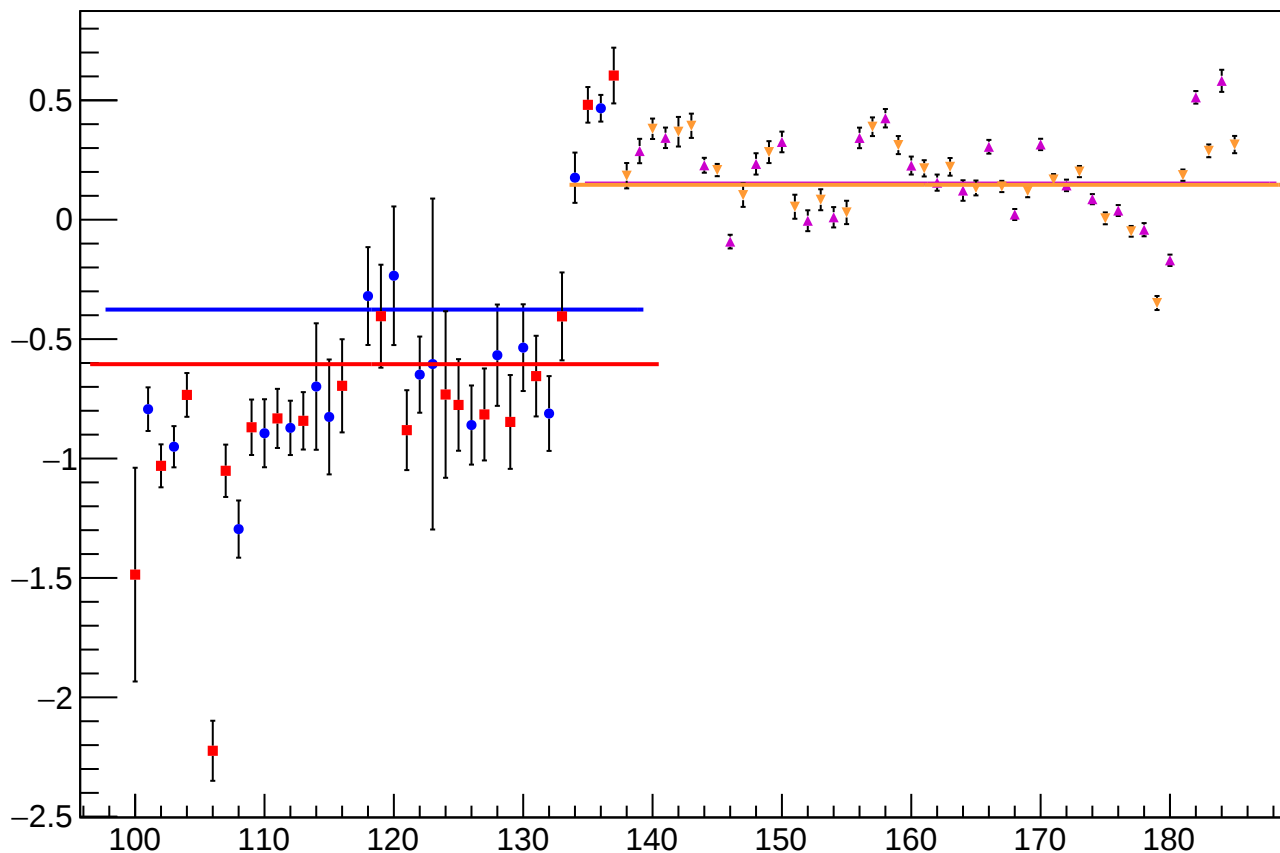
Right: 22.771 $\pm$ 0.401 χ^2 /NDF: 824.4/35

In: 21.202 $\pm$ 0.135 χ^2 /NDF:2643.5/39

Out: 21.099 $\pm$ 0.135 χ^2 /NDF:3167.0/43

All: 21.150 $\pm$ 0.096 χ^2 /NDF: 5810.7/83

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.6/16$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.5/24$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.2/18$

Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

Left: 0.149 ± 0.005 $\chi^2/\text{NDF}: 1480.3/47$

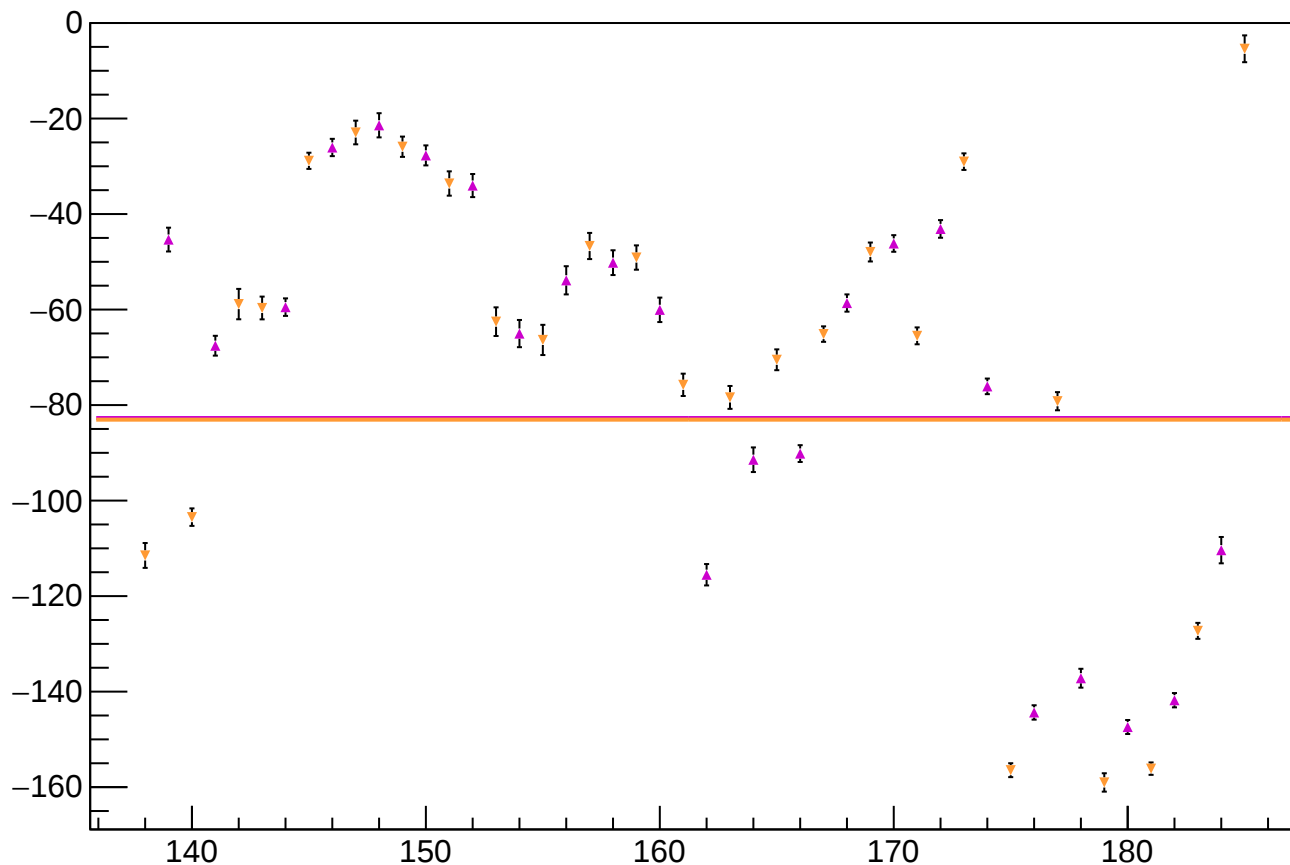
Right: -0.490 ± 0.021 $\chi^2/\text{NDF}: 1017.5/35$

In: 0.128 ± 0.006 $\chi^2/\text{NDF}: 1600.0/39$

Out: 0.115 ± 0.006 $\chi^2/\text{NDF}: 1752.2/43$

All: 0.121 ± 0.004 $\chi^2/\text{NDF}: 3354.7/83$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -83.054+/-0.406 χ^2/NDF :13814.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -82.711+/-0.415 χ^2/NDF :10841.4/22

Left: -82.886+/-0.290 χ^2/NDF : 24655.9/47

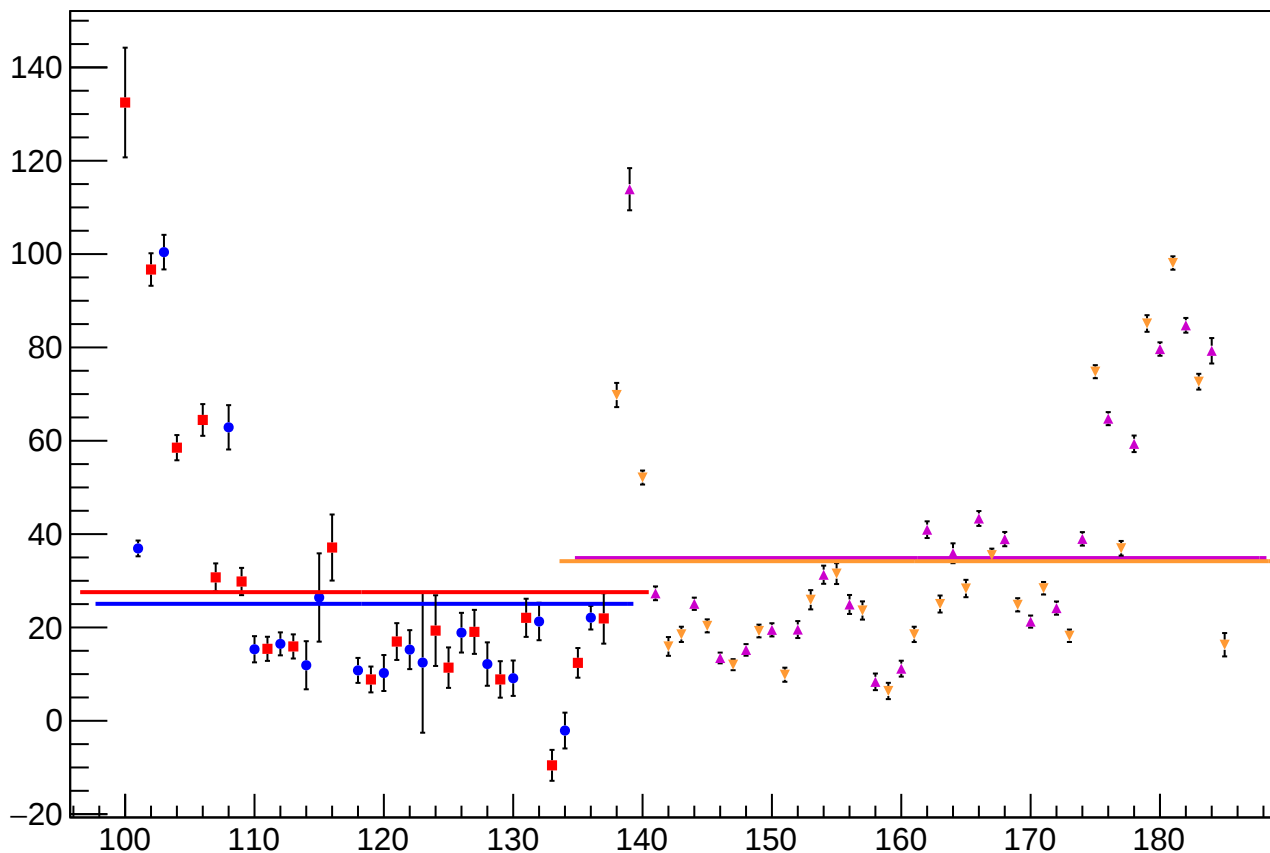
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -82.711+/-0.415 χ^2/NDF :10841.4/22

Out: -83.054+/-0.406 χ^2/NDF :13814.1/24

All: -82.886+/-0.290 χ^2/NDF : 24655.9/47

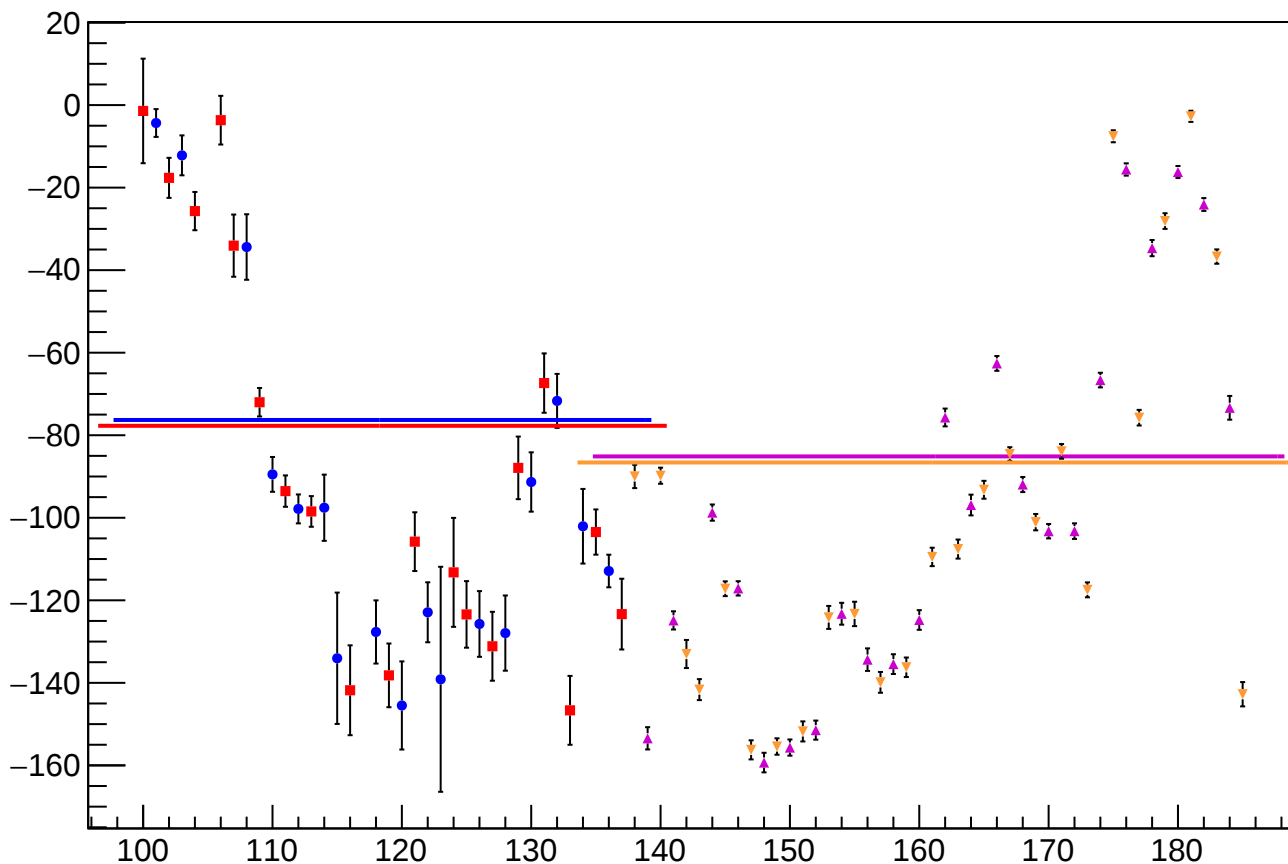
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.063 $\pm$ 0.808 χ^2 /NDF: 686.5/16
 Left Out: 34.201 $\pm$ 0.320 χ^2 /NDF: 6180.6/24
 Right Out: 27.568 $\pm$ 0.811 χ^2 /NDF: 1013.6/18
 Left In: 34.870 $\pm$ 0.329 χ^2 /NDF: 4716.1/22

Left: 34.526 $\pm$ 0.230 χ^2 /NDF: 10898.8/47
 Right: 26.311 $\pm$ 0.572 χ^2 /NDF: 1704.9/35
 In: 33.472 $\pm$ 0.305 χ^2 /NDF: 5529.1/39
 Out: 33.306 $\pm$ 0.298 χ^2 /NDF: 7252.1/43
 All: 33.387 $\pm$ 0.213 χ^2 /NDF: 12781.3/83

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.304 ± 1.419 χ^2/NDF : 1030.8/16

Left Out: -86.607 ± 0.409 χ^2/NDF : 14513.8/24

Right Out: -77.715 ± 1.354 χ^2/NDF : 872.3/18

Left In: -85.134 ± 0.415 χ^2/NDF : 12841.3/22

Left: -85.882 ± 0.291 χ^2/NDF : 27361.5/47

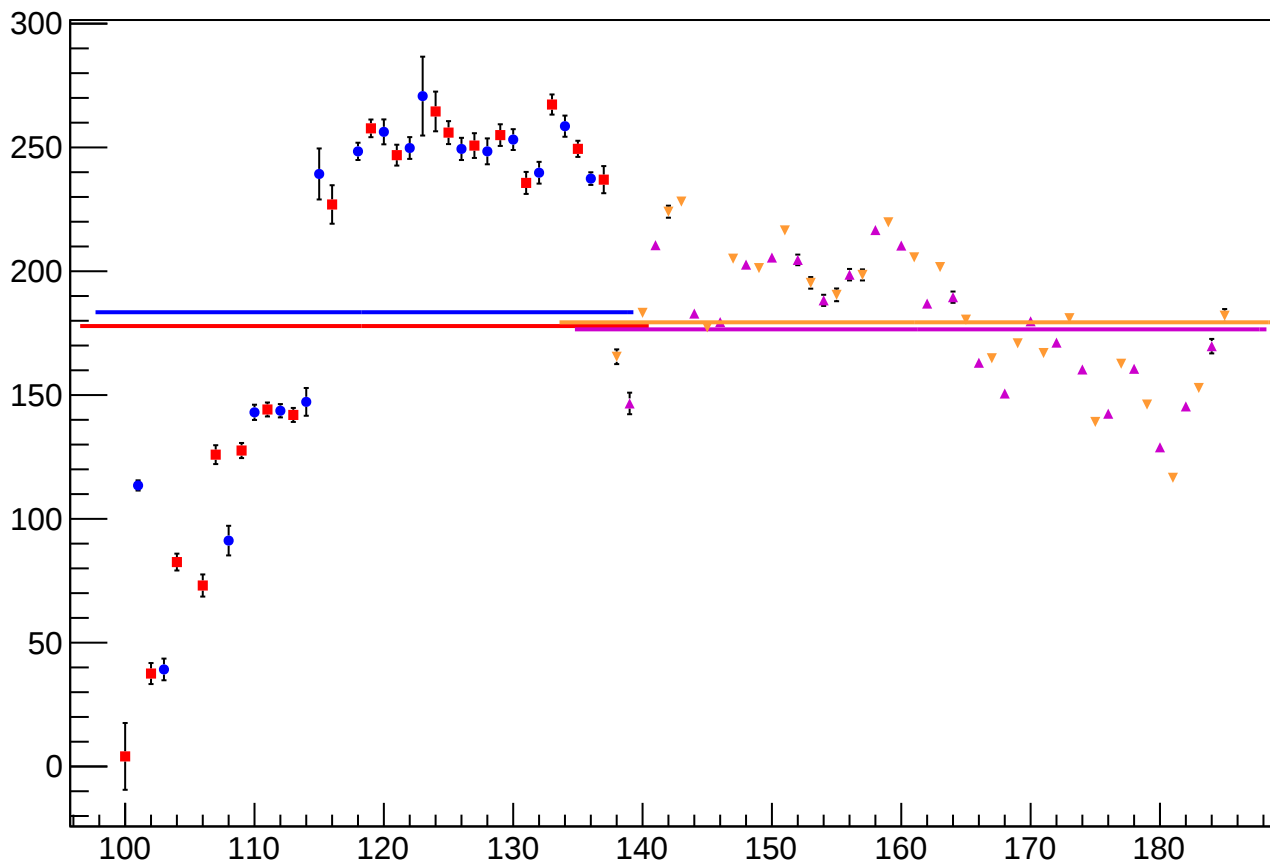
Right: -77.043 ± 0.980 χ^2/NDF : 1903.7/35

In: -84.438 ± 0.398 χ^2/NDF : 13907.8/39

Out: -85.865 ± 0.391 χ^2/NDF : 15425.7/43

All: -85.165 ± 0.279 χ^2/NDF : 29340.0/83

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.448 $\pm$ 0.920 χ^2 /NDF: 5318.3/16

Left Out: 179.380 $\pm$ 0.362 χ^2 /NDF: 5974.5/24

Right Out: 177.868 $\pm$ 0.925 χ^2 /NDF: 6336.5/18

Left In: 176.531 $\pm$ 0.371 χ^2 /NDF: 4426.0/22

Left: 177.991 $\pm$ 0.259 χ^2 /NDF: 10430.6/47

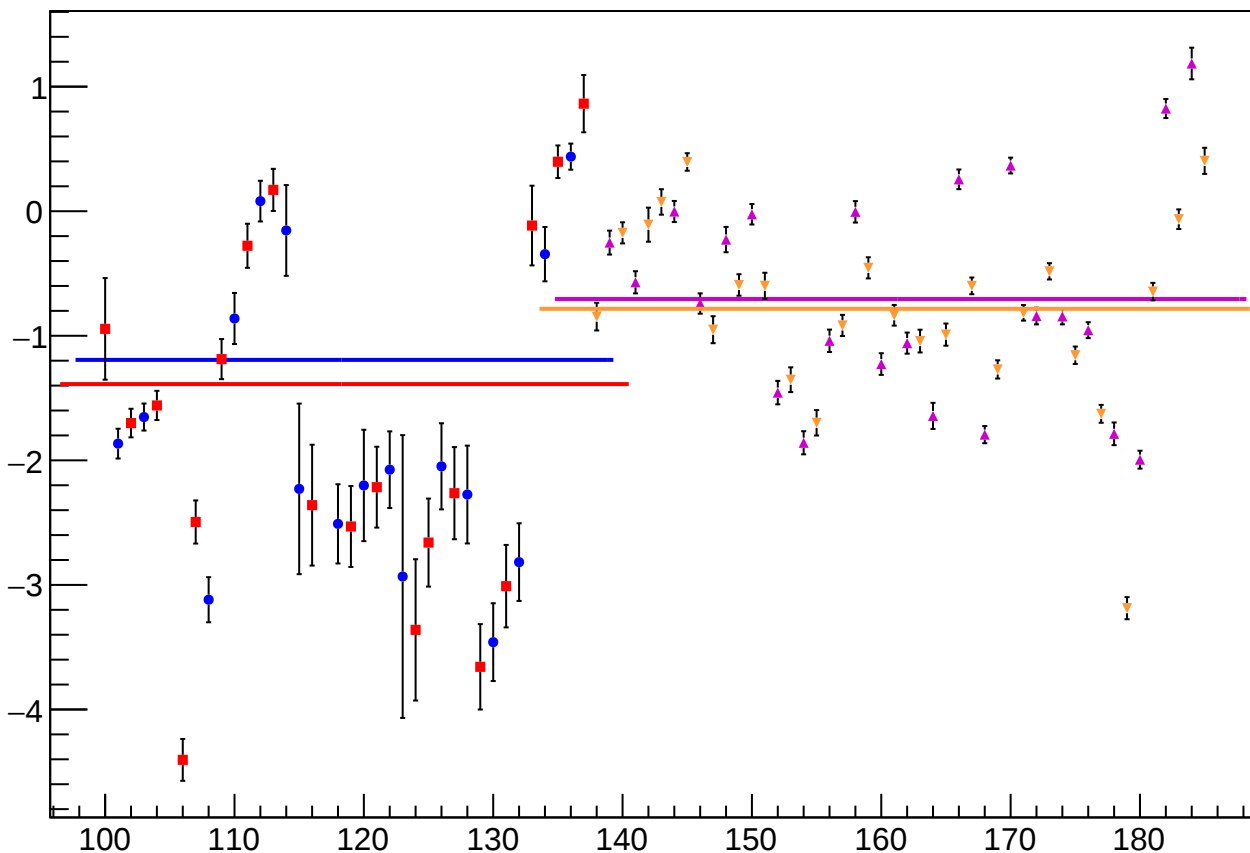
Right: 180.673 $\pm$ 0.652 χ^2 /NDF: 11673.1/35

In: 177.498 $\pm$ 0.344 χ^2 /NDF: 9792.8/39

Out: 179.179 $\pm$ 0.337 χ^2 /NDF: 12313.3/43

All: 178.356 $\pm$ 0.241 χ^2 /NDF: 22118.3/83

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 620.4/16

Left Out: -0.783 ± 0.017 χ^2/NDF : 1772.0/24

Right Out: -1.388 ± 0.046 χ^2/NDF : 919.4/18

Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

Left: -0.745 ± 0.012 χ^2/NDF : 4190.7/47

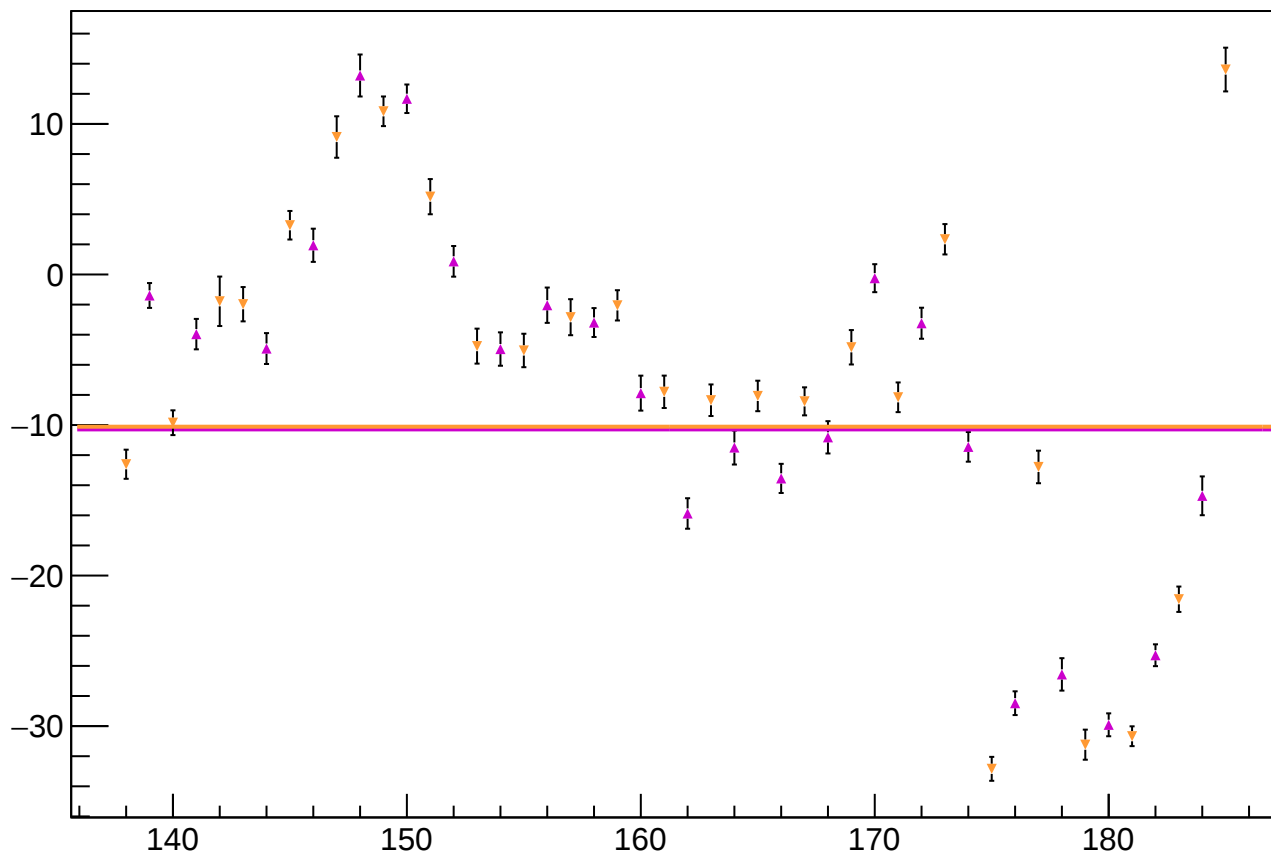
Right: -1.295 ± 0.033 χ^2/NDF : 1548.3/35

In: -0.758 ± 0.016 χ^2/NDF : 3119.5/39

Out: -0.854 ± 0.016 χ^2/NDF : 2845.0/43

All: -0.807 ± 0.011 χ^2/NDF : 5982.7/83

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -10.112 $\pm$ 0.201 χ^2 /NDF:4136.6/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -10.290 $\pm$ 0.205 χ^2 /NDF:3451.0/22

Left: -10.199 $\pm$ 0.144 χ^2 /NDF: 7588.0/47

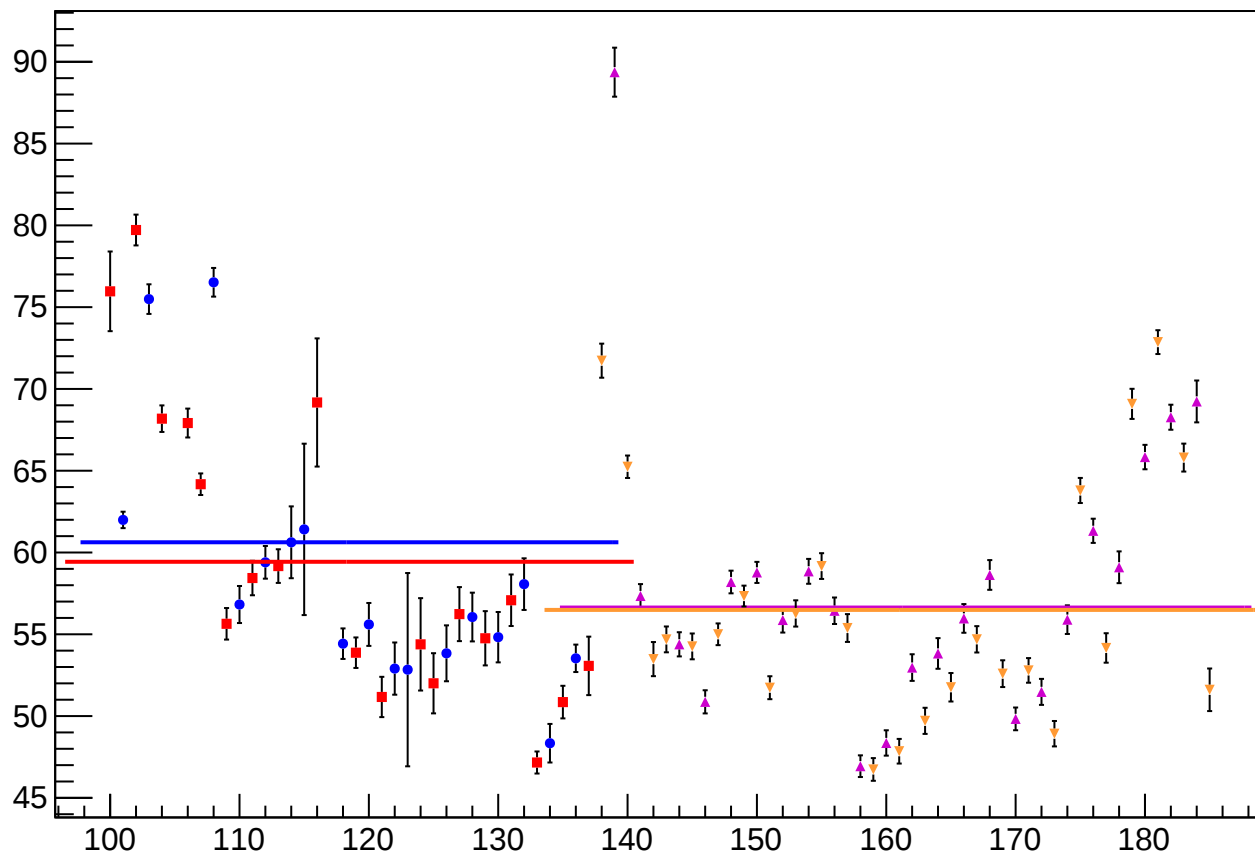
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -10.290 $\pm$ 0.205 χ^2 /NDF:3451.0/22

Out: -10.112 $\pm$ 0.201 χ^2 /NDF:4136.6/24

All: -10.199 $\pm$ 0.144 χ^2 /NDF: 7588.0/47

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.626 $\pm$ 0.263 χ^2 /NDF: 924.5/16

Left Out: 56.491 $\pm$ 0.159 χ^2 /NDF:1964.1/24

Right Out: 59.433 $\pm$ 0.248 χ^2 /NDF: 1325.2/18

Left In: 56.635 $\pm$ 0.165 χ^2 /NDF:1607.9/22

Left: 56.560 $\pm$ 0.114 χ^2 /NDF: 3572.5/47

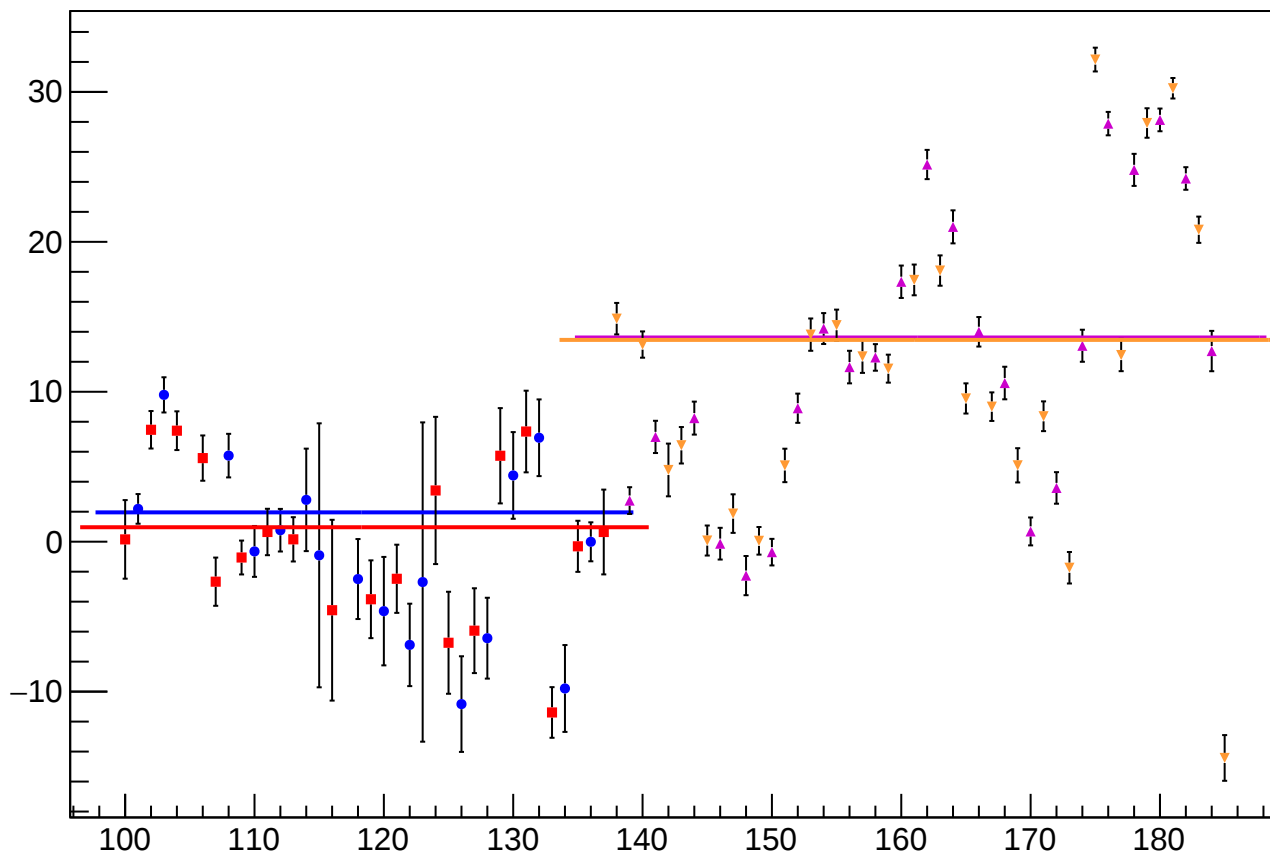
Right: 59.993 $\pm$ 0.181 χ^2 /NDF: 2260.6/35

In: 57.761 $\pm$ 0.140 χ^2 /NDF:2697.3/39

Out: 57.347 $\pm$ 0.134 χ^2 /NDF:3389.2/43

All: 57.545 $\pm$ 0.097 χ^2 /NDF: 6091.0/83

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.955 ± 0.459 $\chi^2/\text{NDF}: 120.2/16$

Left Out: 13.460 ± 0.202 $\chi^2/\text{NDF}: 2736.0/24$

Right Out: 0.964 ± 0.425 $\chi^2/\text{NDF}: 149.6/18$

Left In: 13.620 ± 0.204 $\chi^2/\text{NDF}: 2315.4/22$

Left: 13.539 ± 0.144 $\chi^2/\text{NDF}: 5051.7/47$

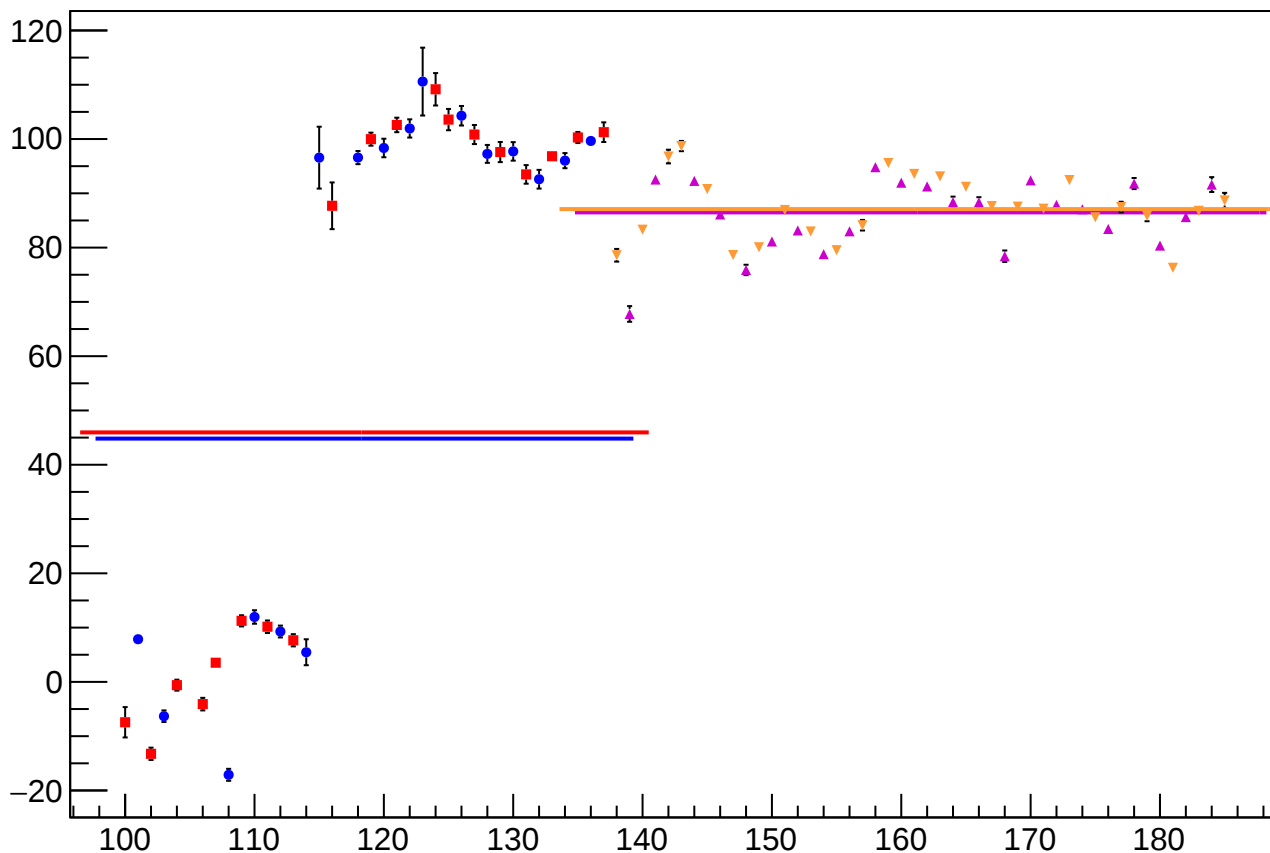
Right: 1.421 ± 0.312 $\chi^2/\text{NDF}: 272.4/35$

In: 11.691 ± 0.187 $\chi^2/\text{NDF}: 2973.8/39$

Out: 11.162 ± 0.182 $\chi^2/\text{NDF}: 3592.3/43$

All: 11.420 ± 0.130 $\chi^2/\text{NDF}: 6570.3/83$

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.818 $\pm$ 0.305 χ^2 /NDF: 24700.1/16

Left Out: 87.092 $\pm$ 0.179 χ^2 /NDF:1085.7/24

Right Out: 45.958 $\pm$ 0.290 χ^2 /NDF: 28216.1/18

Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

Left: 86.797 $\pm$ 0.129 χ^2 /NDF: 2094.5/47

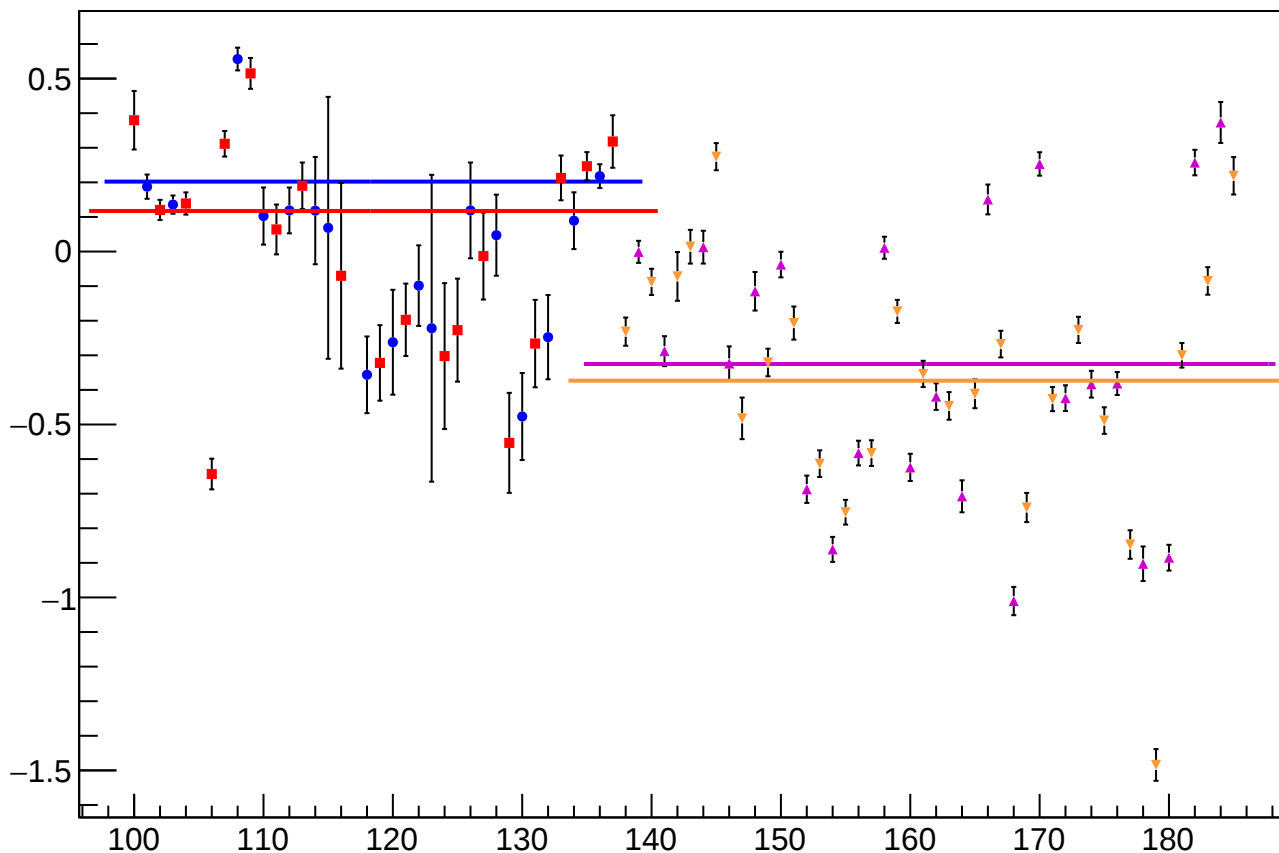
Right: 45.417 $\pm$ 0.210 χ^2 /NDF: 52923.6/35

In: 75.311 $\pm$ 0.158 χ^2 /NDF:39360.0/39

Out: 75.720 $\pm$ 0.152 χ^2 /NDF:43887.3/43

All: 75.523 $\pm$ 0.110 χ^2 /NDF: 83250.8/83

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 215.7/16

Left Out: -0.373 ± 0.008 χ^2/NDF : 1669.0/24

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.1/18

Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

Left: -0.349 ± 0.006 χ^2/NDF : 3970.5/47

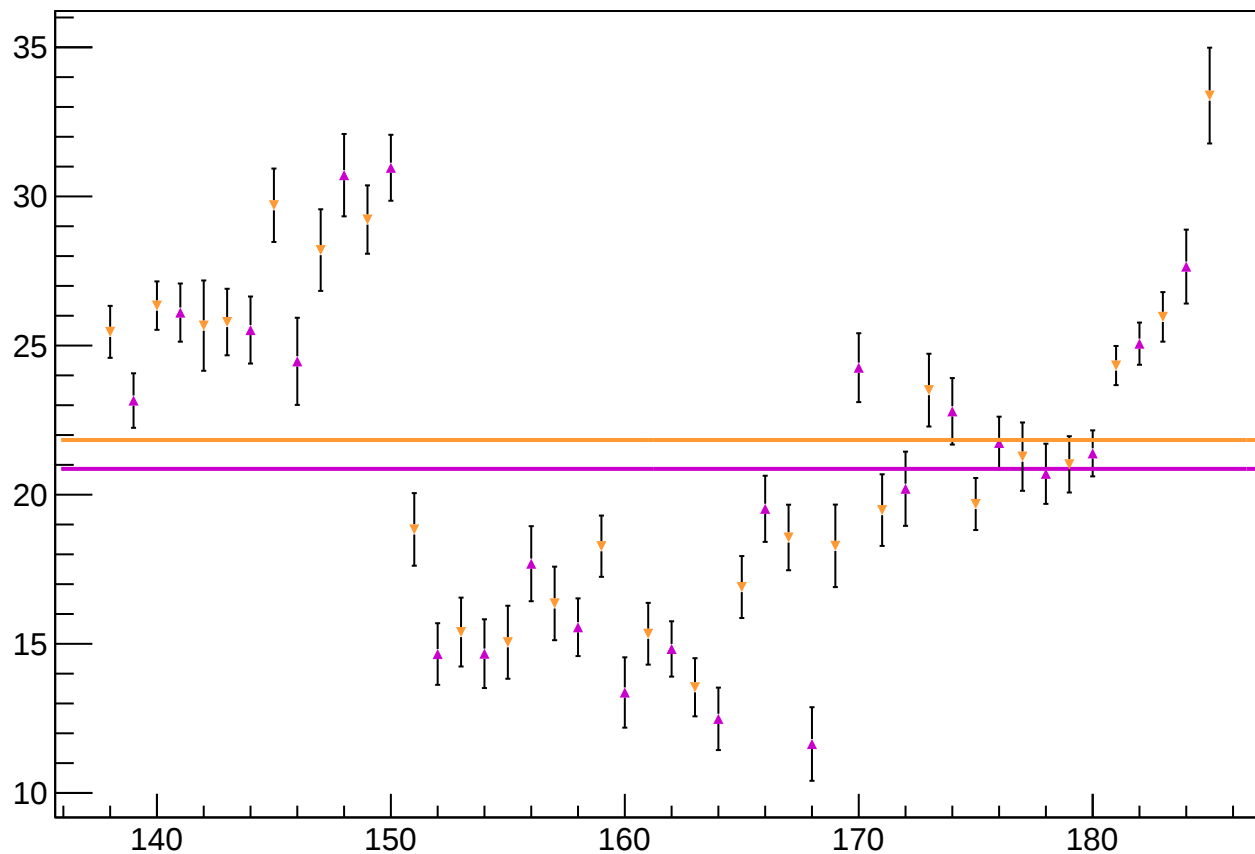
Right: 0.157 ± 0.010 χ^2/NDF : 734.4/35

In: -0.191 ± 0.007 χ^2/NDF : 3548.9/39

Out: -0.236 ± 0.007 χ^2/NDF : 3188.0/43

All: -0.214 ± 0.005 χ^2/NDF : 6757.6/83

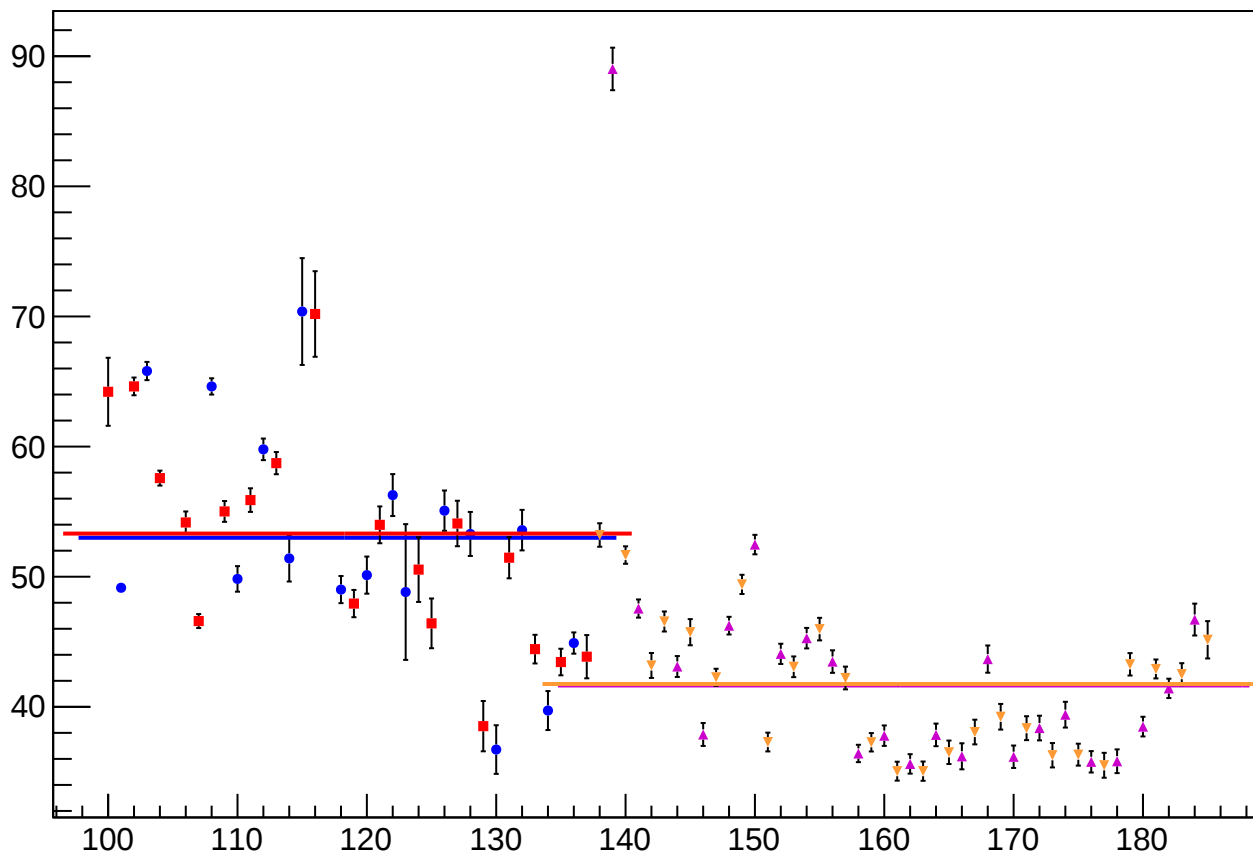
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 21.834 $\pm$ 0.210 χ^2/NDF :524.1/24
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 20.866 $\pm$ 0.217 χ^2/NDF :576.9/22

Left: 21.365 $\pm$ 0.151 χ^2/NDF : 1111.3/47
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 20.866 $\pm$ 0.217 χ^2/NDF :576.9/22
 Out: 21.834 $\pm$ 0.210 χ^2/NDF :524.1/24
 All: 21.365 $\pm$ 0.151 χ^2/NDF : 1111.3/47

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.994 $\pm$ 0.211 χ^2 /NDF: 1197.9/16

Left Out: 41.754 $\pm$ 0.165 χ^2 /NDF:1015.6/24

Right Out: 53.316 $\pm$ 0.227 χ^2 /NDF: 876.7/18

Left In: 41.643 $\pm$ 0.174 χ^2 /NDF:1611.0/22

Left: 41.701 $\pm$ 0.120 χ^2 /NDF: 2626.7/47

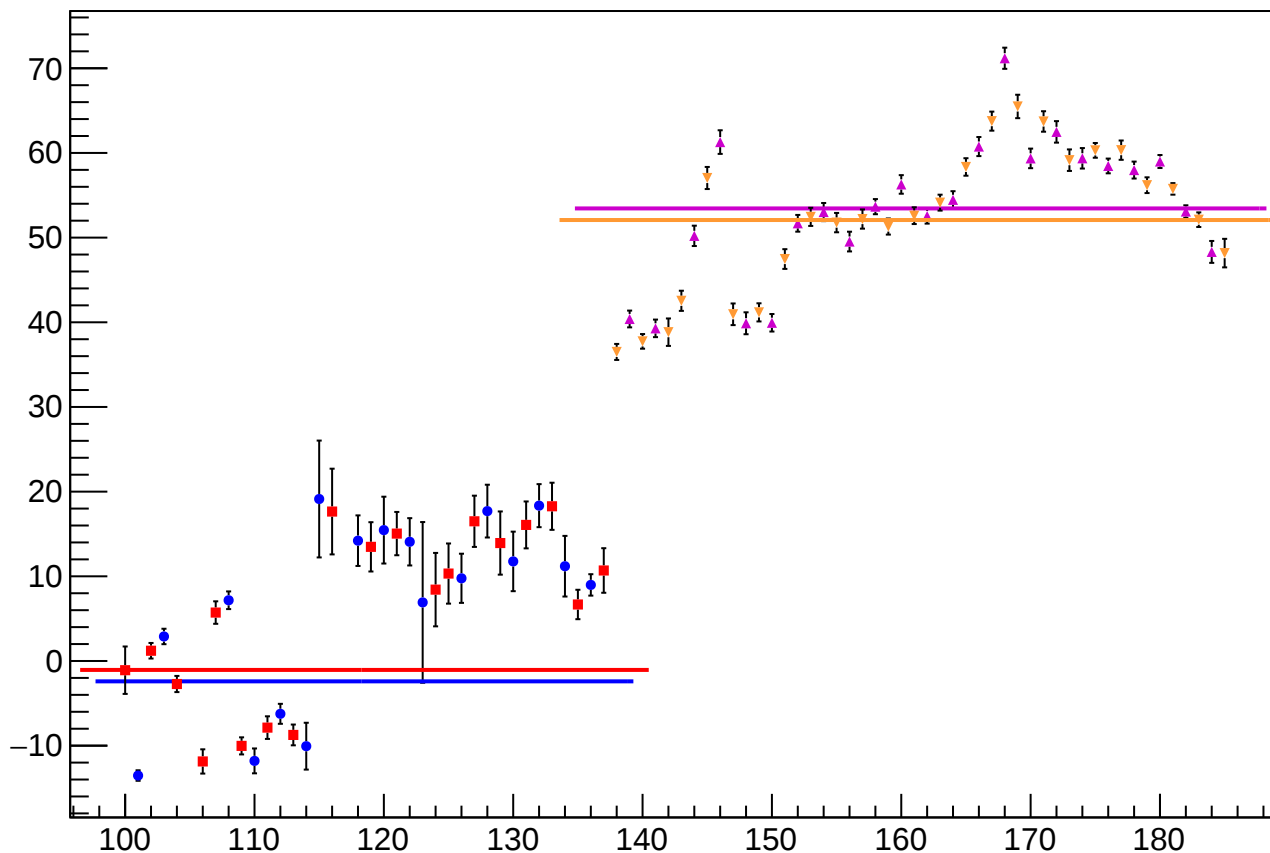
Right: 53.143 $\pm$ 0.155 χ^2 /NDF: 2075.6/35

In: 46.229 $\pm$ 0.134 χ^2 /NDF:4532.8/39

Out: 45.767 $\pm$ 0.134 χ^2 /NDF:3588.5/43

All: 45.997 $\pm$ 0.095 χ^2 /NDF: 8127.3/83

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.405 ± 0.365 χ^2/NDF : 832.0/16

Left Out: 52.078 ± 0.210 χ^2/NDF : 1450.9/24

Right Out: -1.056 ± 0.377 χ^2/NDF : 505.5/18

Left In: 53.447 ± 0.215 χ^2/NDF : 1169.0/22

Left: 52.745 ± 0.150 χ^2/NDF : 2640.6/47

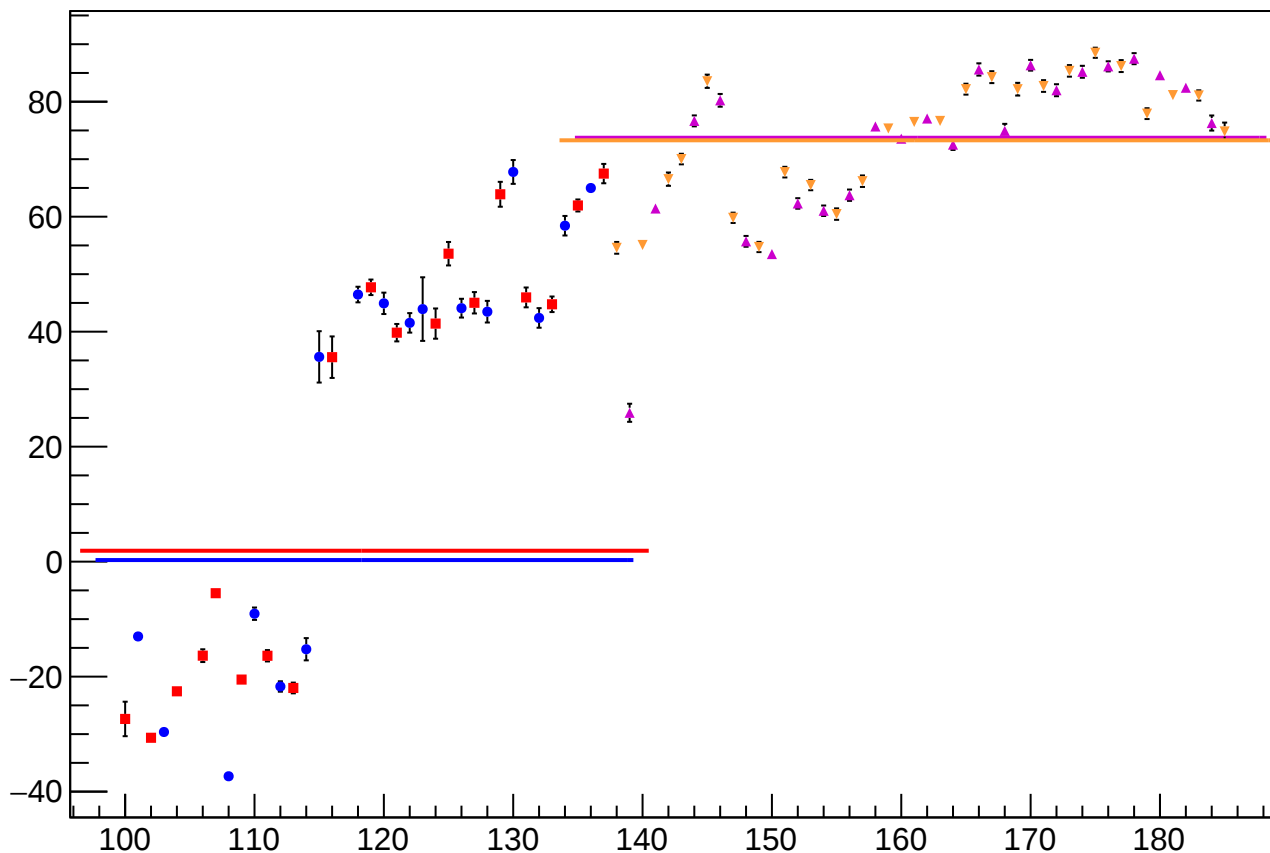
Right: -1.753 ± 0.262 χ^2/NDF : 1344.1/35

In: 39.004 ± 0.185 χ^2/NDF : 19395.4/39

Out: 39.502 ± 0.184 χ^2/NDF : 17100.6/43

All: 39.255 ± 0.130 χ^2/NDF : 36499.7/83

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.275 ± 0.248 χ^2/NDF : 18220.1/16

Left Out: 73.286 ± 0.187 χ^2/NDF : 3145.4/24

Right Out: 1.897 ± 0.267 χ^2/NDF : 15412.8/18

Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

Left: 73.499 ± 0.135 χ^2/NDF : 6923.9/47

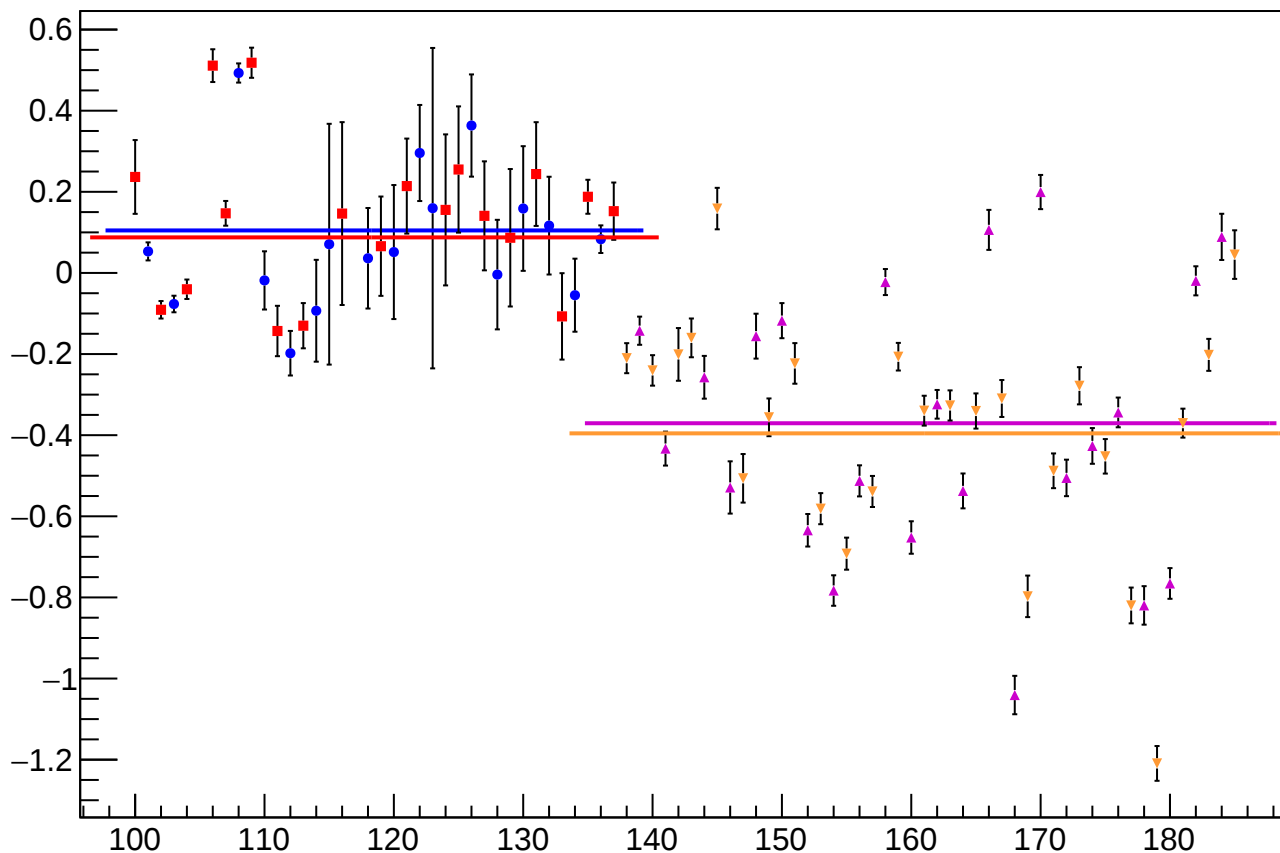
Right: 1.026 ± 0.181 χ^2/NDF : 33652.7/35

In: 45.735 ± 0.153 χ^2/NDF : 76445.7/39

Out: 49.790 ± 0.153 χ^2/NDF : 66597.0/43

All: 47.760 ± 0.108 χ^2/NDF : 143393.9/83

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.396 ± 0.009 $\chi^2/\text{NDF}: 950.5/24$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.7/18$

Left In: -0.371 ± 0.009 $\chi^2/\text{NDF}: 1313.7/22$

Left: -0.383 ± 0.006 $\chi^2/\text{NDF}: 2268.4/47$

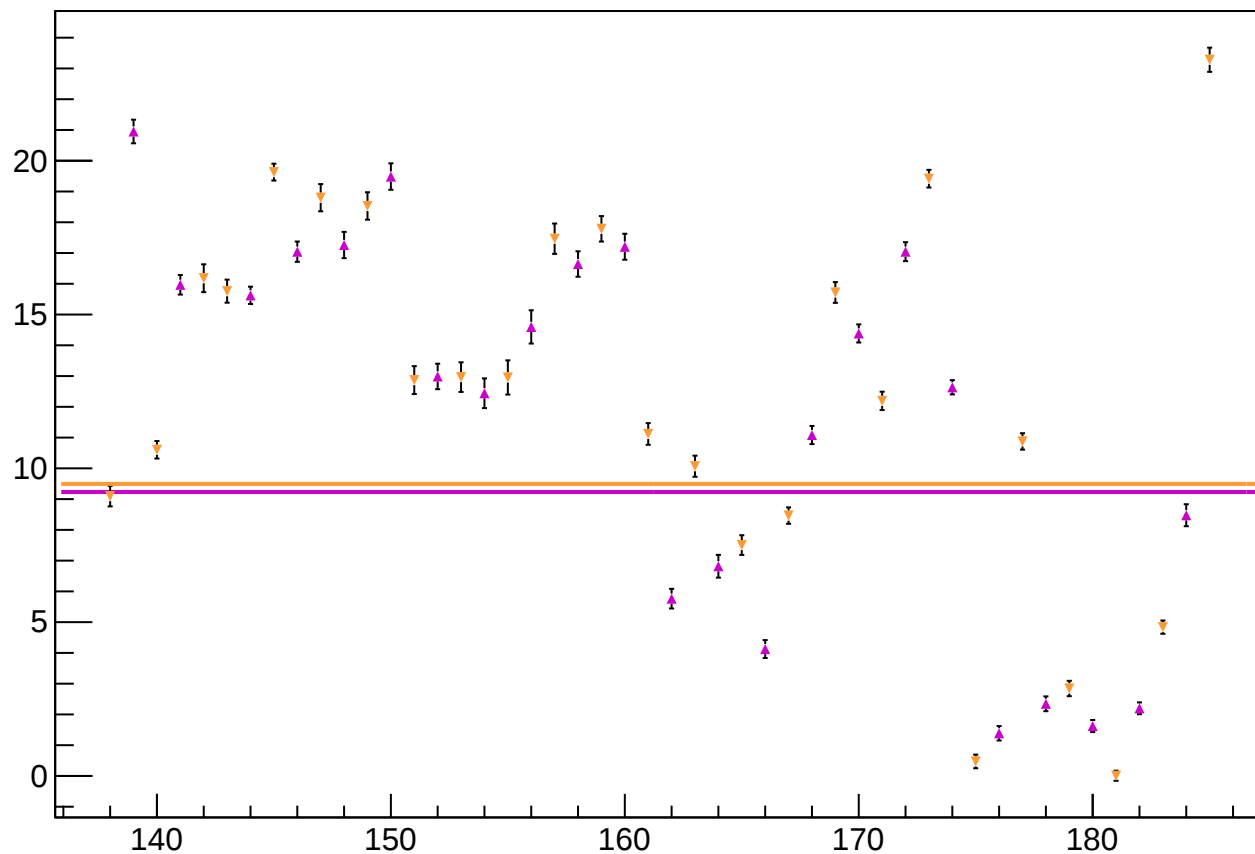
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.8/35$

In: -0.188 ± 0.007 $\chi^2/\text{NDF}: 2857.6/39$

Out: -0.214 ± 0.007 $\chi^2/\text{NDF}: 2542.6/43$

All: -0.201 ± 0.005 $\chi^2/\text{NDF}: 5407.3/83$

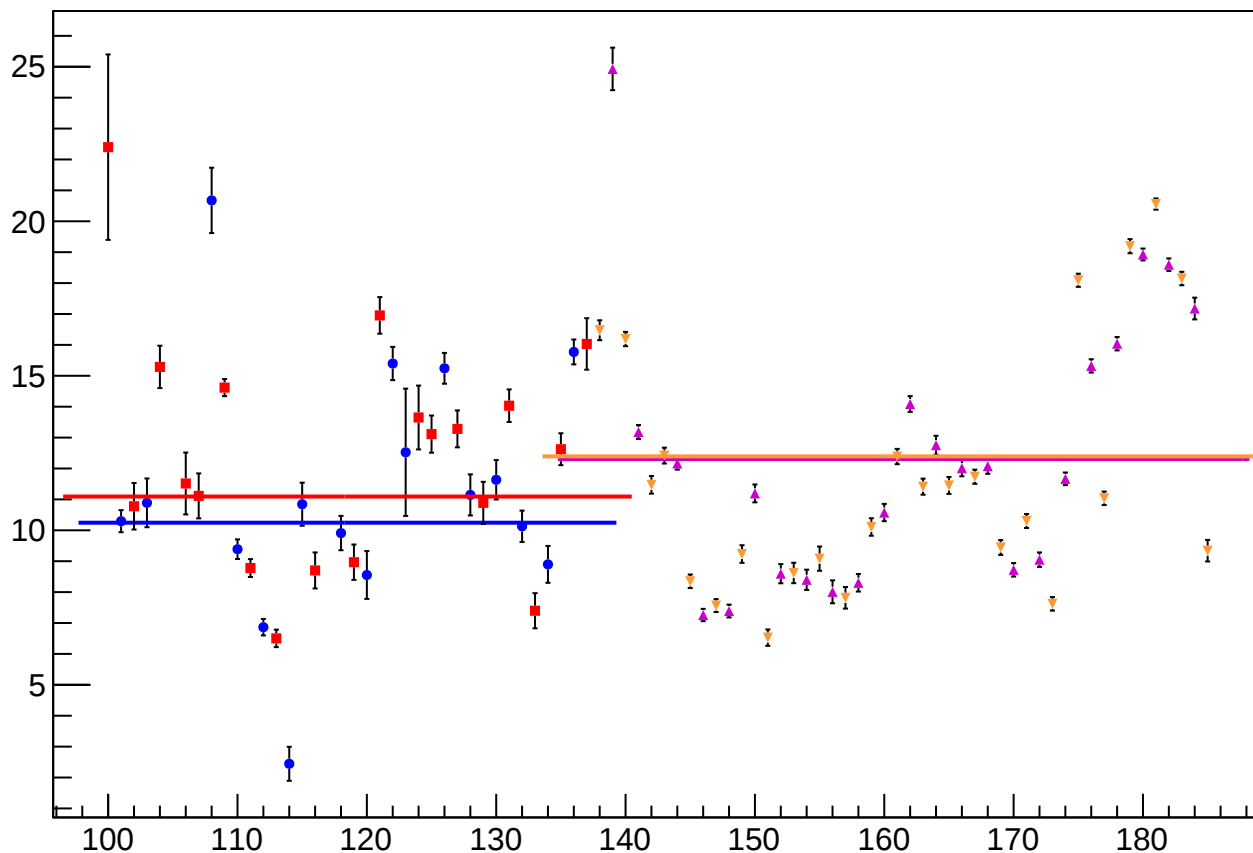
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 9.494 $\pm$ 0.061 χ^2 /NDF:12612.6/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 9.231 $\pm$ 0.063 χ^2 /NDF:10736.2/22

Left: 9.366 $\pm$ 0.044 χ^2 /NDF: 23357.7/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 9.231 $\pm$ 0.063 χ^2 /NDF:10736.2/22
 Out: 9.494 $\pm$ 0.061 χ^2 /NDF:12612.6/24
 All: 9.366 $\pm$ 0.044 χ^2 /NDF: 23357.7/47

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.246 $\pm$ 0.120 χ^2 /NDF: 866.1/16

Left Out: 12.393 $\pm$ 0.050 χ^2 /NDF: 7525.9/24

Right Out: 11.093 $\pm$ 0.117 χ^2 /NDF: 816.7/18

Left In: 12.307 $\pm$ 0.051 χ^2 /NDF: 5601.8/22

Left: 12.351 $\pm$ 0.036 χ^2 /NDF: 13129.2/47

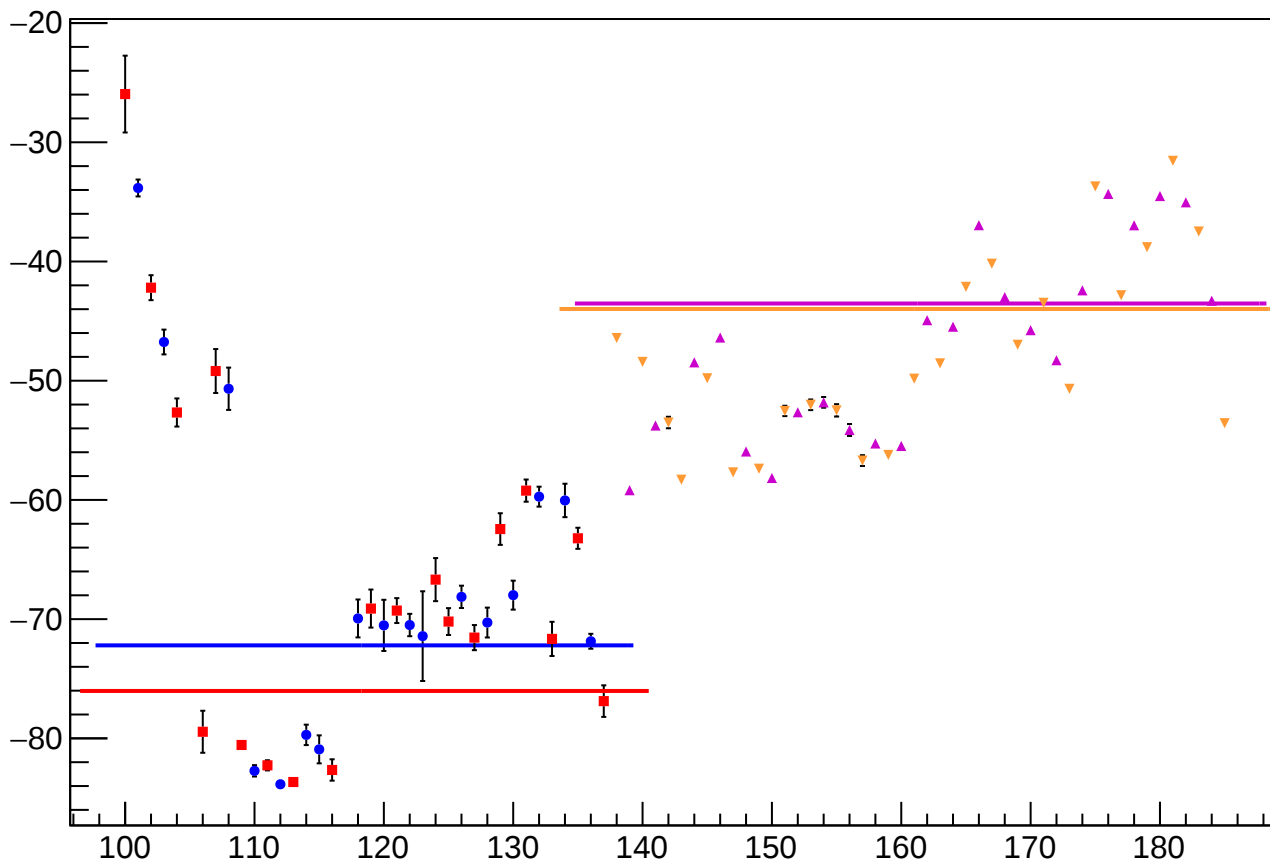
Right: 10.681 $\pm$ 0.083 χ^2 /NDF: 1708.5/35

In: 11.988 $\pm$ 0.047 χ^2 /NDF: 6718.6/39

Out: 12.193 $\pm$ 0.046 χ^2 /NDF: 8448.0/43

All: 12.093 $\pm$ 0.033 χ^2 /NDF: 15176.4/83

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.200 ± 0.198 $\chi^2/\text{NDF}: 5562.7/16$

Left Out: -43.981 ± 0.062 $\chi^2/\text{NDF}: 17742.8/24$

Right Out: -76.024 ± 0.181 $\chi^2/\text{NDF}: 3459.2/18$

Left In: -43.523 ± 0.063 $\chi^2/\text{NDF}: 15267.1/22$

Left: -43.757 ± 0.044 $\chi^2/\text{NDF}: 33036.8/47$

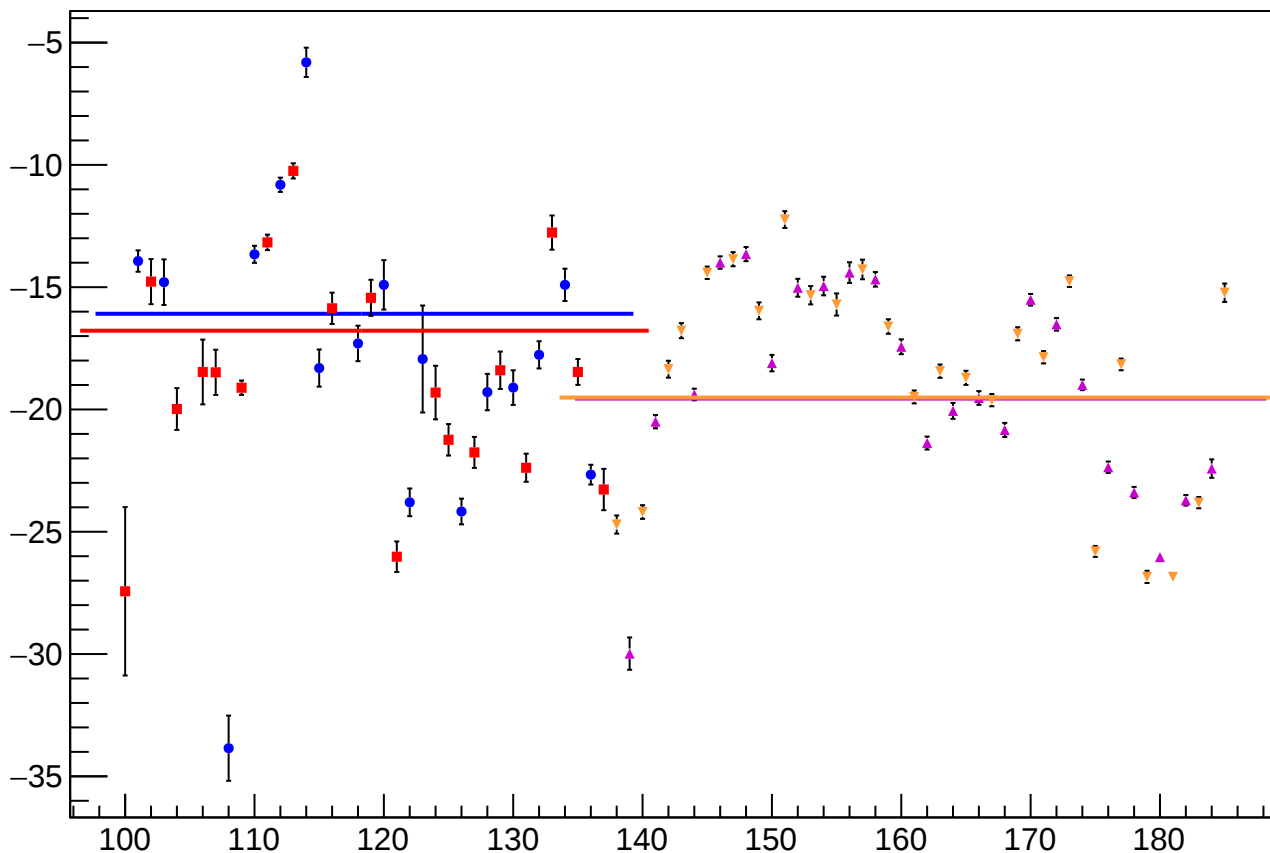
Right: -74.286 ± 0.134 $\chi^2/\text{NDF}: 9224.5/35$

In: -46.173 ± 0.060 $\chi^2/\text{NDF}: 39784.8/39$

Out: -47.337 ± 0.059 $\chi^2/\text{NDF}: 49216.8/43$

All: -46.772 ± 0.042 $\chi^2/\text{NDF}: 89192.8/83$

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.087 ± 0.133 $\chi^2/\text{NDF}: 1620.7/16$

Left Out: -19.512 ± 0.056 $\chi^2/\text{NDF}: 6505.2/24$

Right Out: -16.779 ± 0.128 $\chi^2/\text{NDF}: 1211.2/18$

Left In: -19.555 ± 0.057 $\chi^2/\text{NDF}: 4311.2/22$

Left: -19.533 ± 0.040 $\chi^2/\text{NDF}: 10816.7/47$

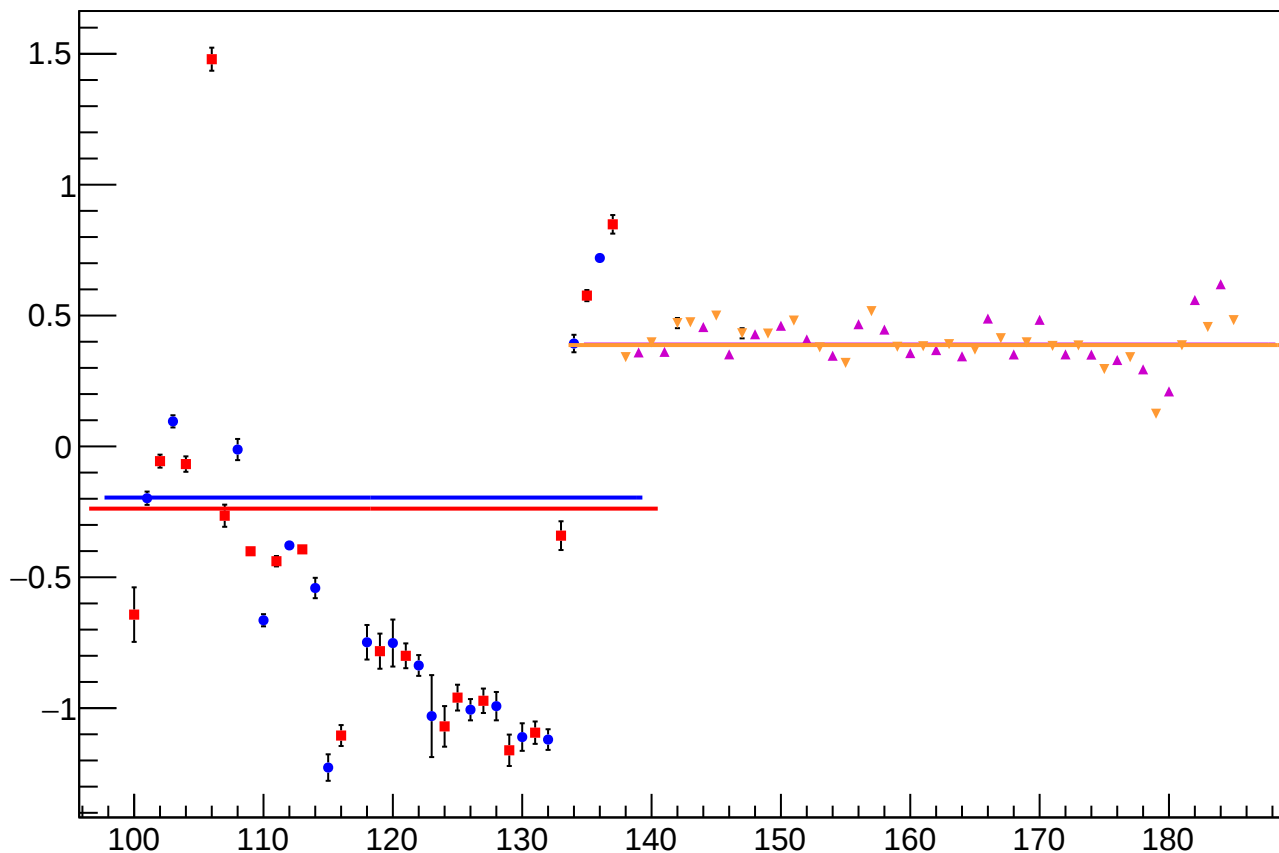
Right: -16.445 ± 0.092 $\chi^2/\text{NDF}: 2846.0/35$

In: -19.010 ± 0.053 $\chi^2/\text{NDF}: 6506.4/39$

Out: -19.078 ± 0.051 $\chi^2/\text{NDF}: 8097.9/43$

All: -19.045 ± 0.037 $\chi^2/\text{NDF}: 14605.2/83$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.195 ± 0.008 χ^2/NDF : 6316.5/16

Left Out: 0.387 ± 0.003 χ^2/NDF : 996.6/24

Right Out: -0.238 ± 0.007 χ^2/NDF : 6176.6/18

Left In: 0.389 ± 0.003 χ^2/NDF : 1256.9/22

Left: 0.388 ± 0.002 χ^2/NDF : 2253.8/47

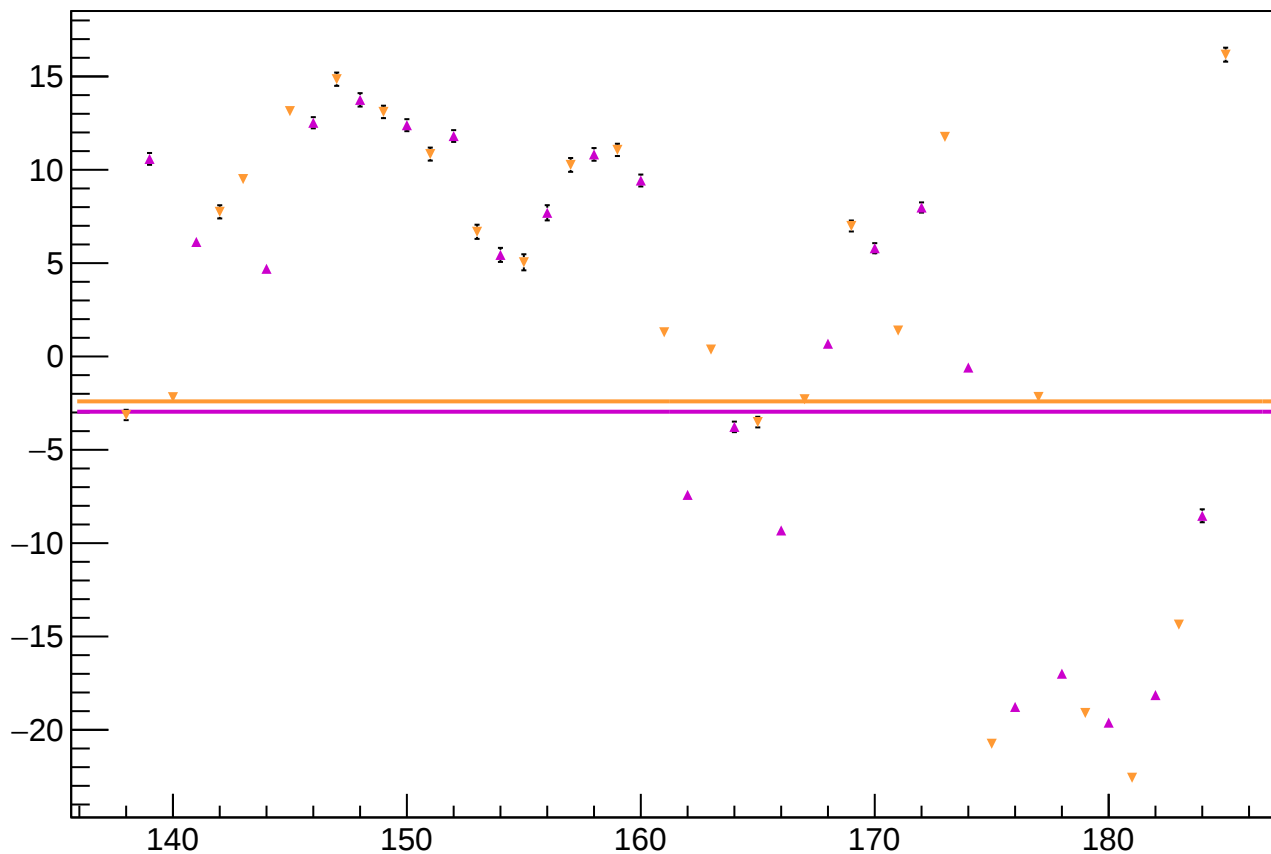
Right: -0.218 ± 0.005 χ^2/NDF : 12509.6/35

In: 0.326 ± 0.002 χ^2/NDF : 12915.5/39

Out: 0.317 ± 0.002 χ^2/NDF : 13887.1/43

All: 0.321 ± 0.002 χ^2/NDF : 26810.4/83

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



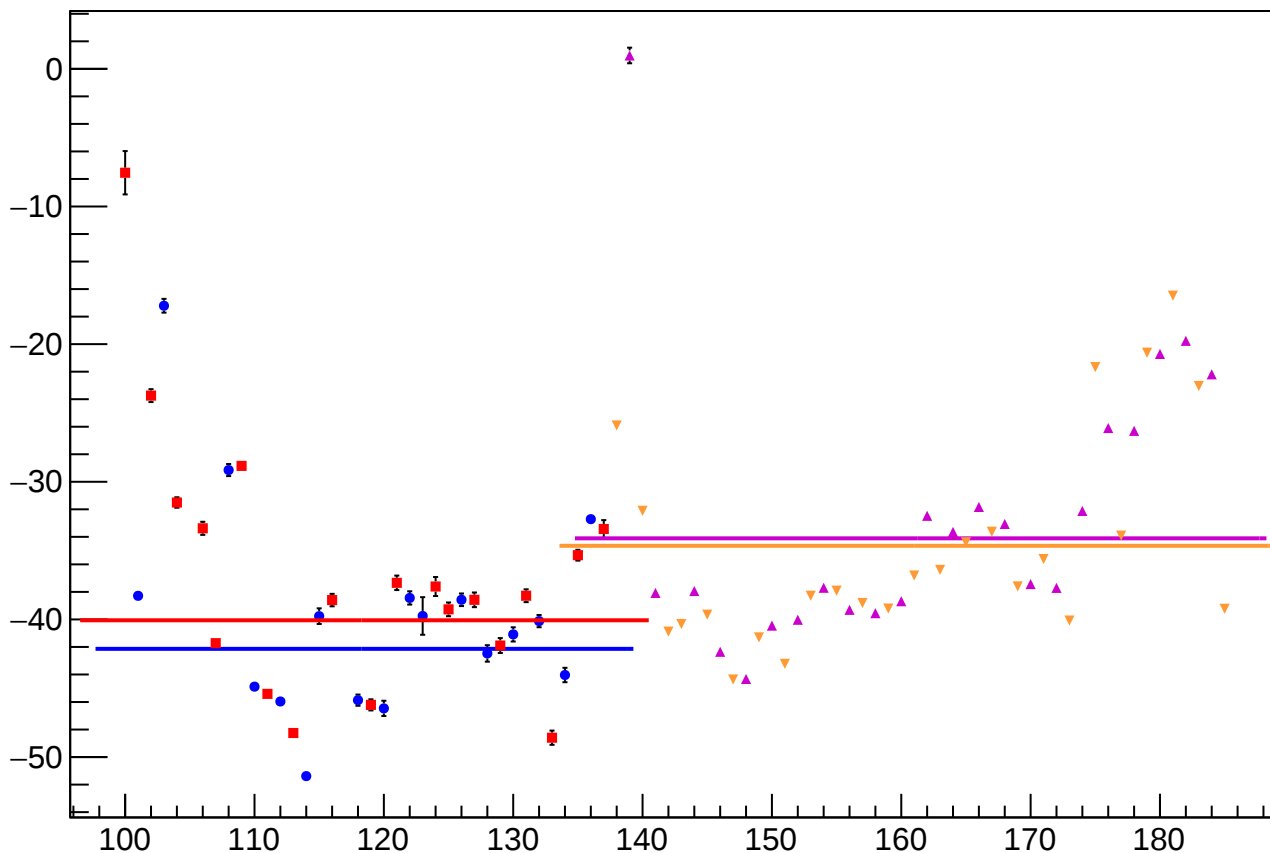
Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -2.405 ± 0.053 χ^2/NDF : 56373.5/24
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -2.959 ± 0.055 χ^2/NDF : 45922.6/22

Left: -2.672 ± 0.038 χ^2/NDF : 102349.1/47
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -2.959 ± 0.055 χ^2/NDF : 45922.6/22
 Out: -2.405 ± 0.053 χ^2/NDF : 56373.5/24

All: -2.672 ± 0.038 χ^2/NDF : 102349.1/47

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.136 ± 0.078 $\chi^2/\text{NDF}: 6553.2/16$

Left Out: -34.651 ± 0.042 $\chi^2/\text{NDF}: 34607.9/24$

Right Out: -40.062 ± 0.073 $\chi^2/\text{NDF}: 11320.5/18$

Left In: -34.108 ± 0.044 $\chi^2/\text{NDF}: 29052.8/22$

Left: -34.393 ± 0.030 $\chi^2/\text{NDF}: 63740.9/47$

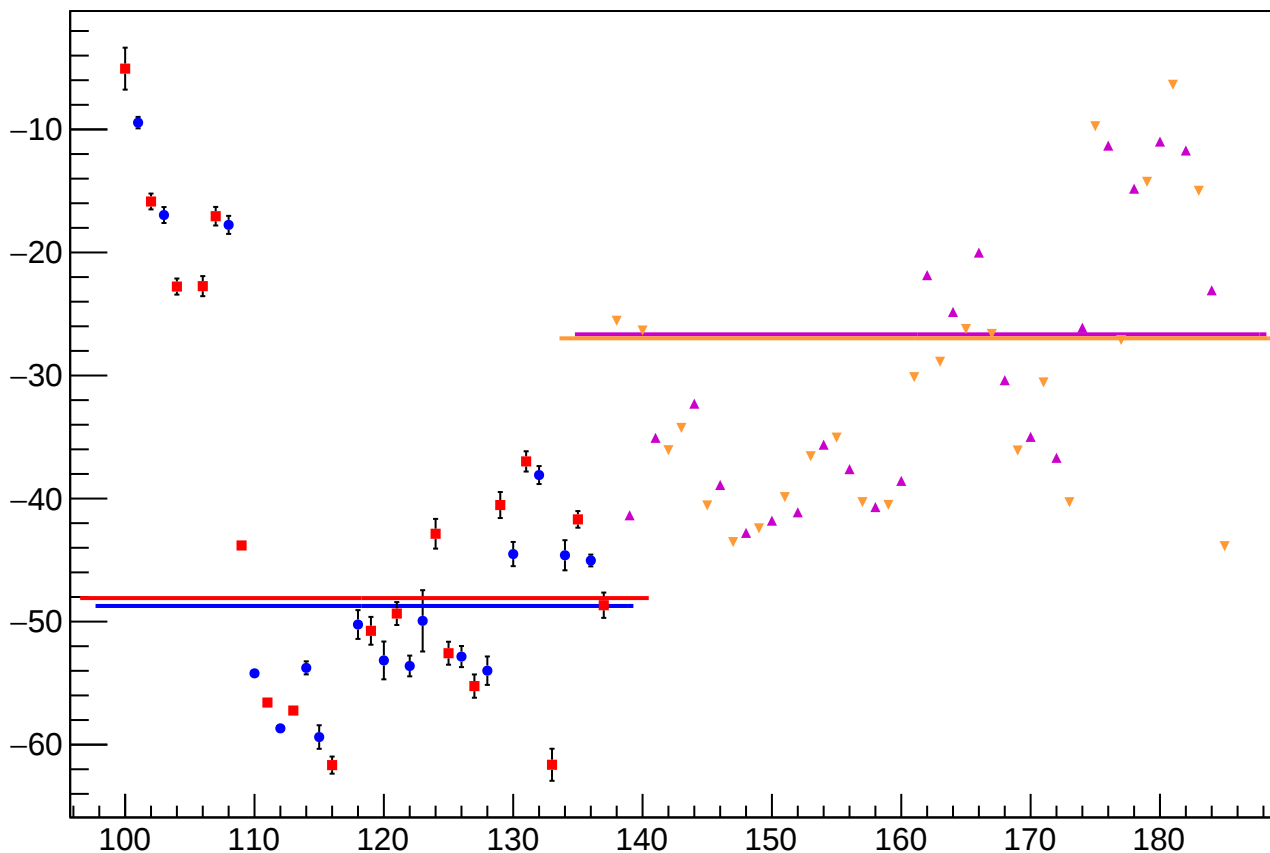
Right: -41.025 ± 0.053 $\chi^2/\text{NDF}: 18250.8/35$

In: -36.037 ± 0.038 $\chi^2/\text{NDF}: 43618.7/39$

Out: -35.991 ± 0.036 $\chi^2/\text{NDF}: 50082.3/43$

All: -36.013 ± 0.026 $\chi^2/\text{NDF}: 93701.8/83$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.729 ± 0.125 $\chi^2/\text{NDF}: 14659.5/16$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49371.1/24$

Right Out: -48.089 ± 0.107 $\chi^2/\text{NDF}: 11732.9/18$

Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

Left: -26.821 ± 0.038 $\chi^2/\text{NDF}: 91495.9/47$

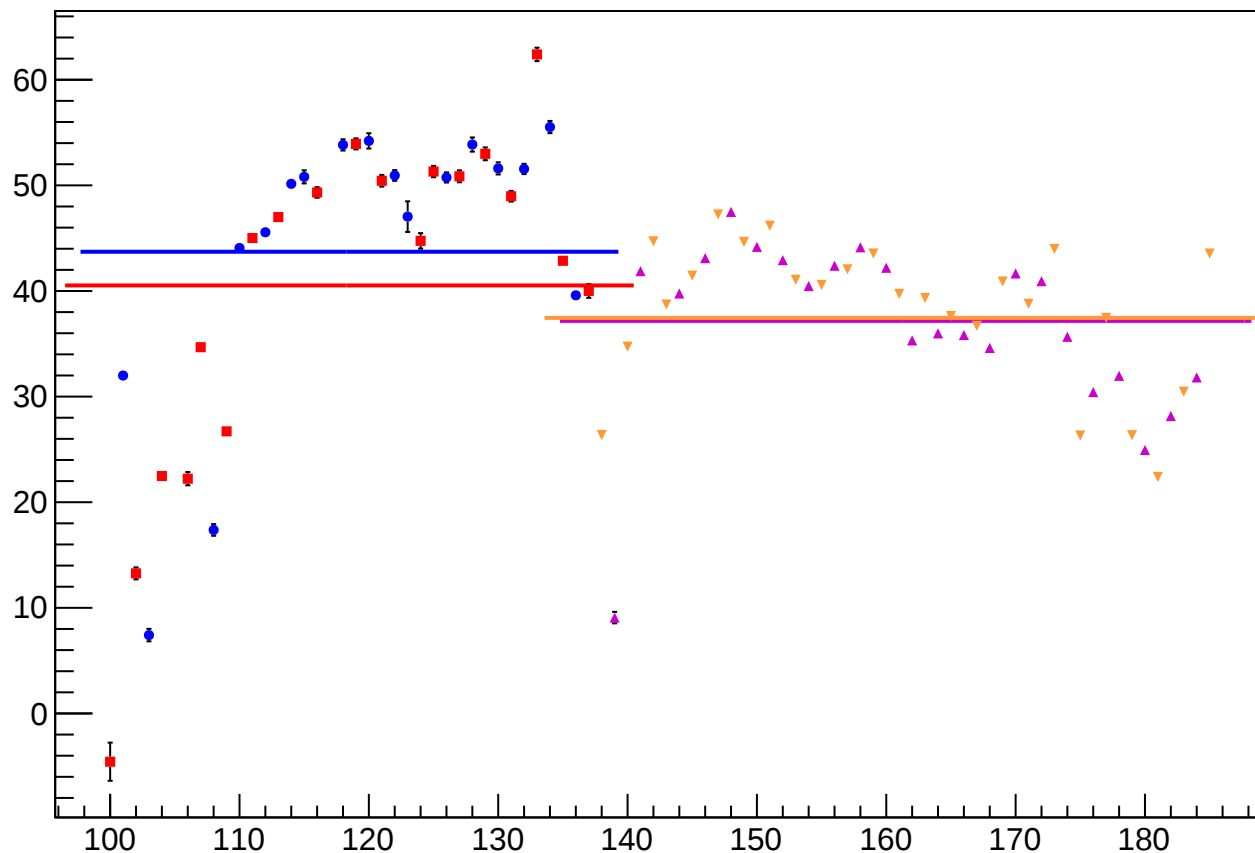
Right: -48.361 ± 0.081 $\chi^2/\text{NDF}: 26407.5/35$

In: -30.236 ± 0.050 $\chi^2/\text{NDF}: 82966.3/39$

Out: -31.145 ± 0.048 $\chi^2/\text{NDF}: 92182.1/43$

All: -30.715 ± 0.035 $\chi^2/\text{NDF}: 175320.8/83$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.716 $\pm$ 0.087 χ^2 /NDF: 10564.2/16

Left Out: 37.453 $\pm$ 0.047 χ^2 /NDF:21531.5/24

Right Out: 40.525 $\pm$ 0.080 χ^2 /NDF: 17578.6/18

Left In: 37.169 $\pm$ 0.049 χ^2 /NDF:17236.9/22

Left: 37.317 $\pm$ 0.034 χ^2 /NDF: 38785.7/47

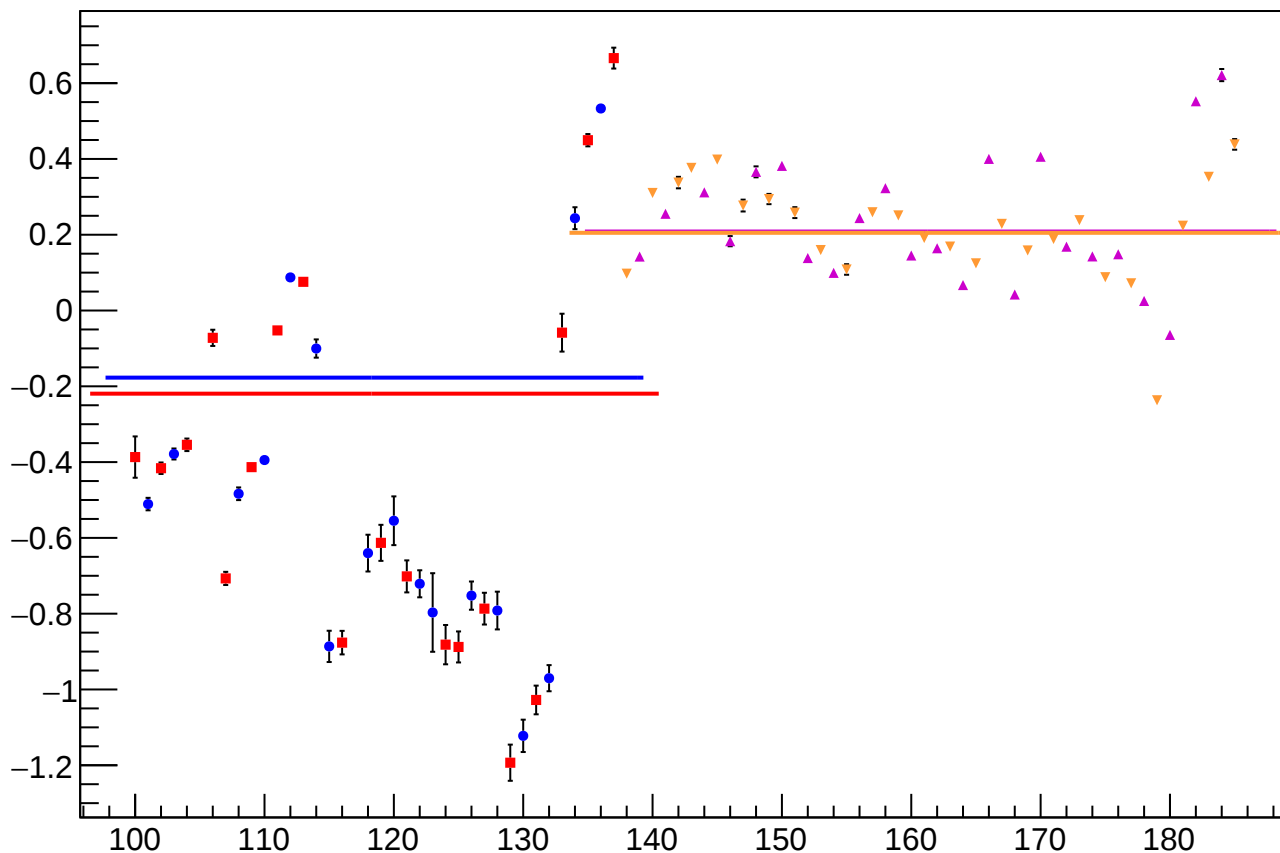
Right: 41.991 $\pm$ 0.059 χ^2 /NDF: 28869.7/35

In: 38.758 $\pm$ 0.043 χ^2 /NDF:32086.8/39

Out: 38.242 $\pm$ 0.041 χ^2 /NDF:40199.0/43

All: 38.486 $\pm$ 0.030 χ^2 /NDF: 72362.2/83

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177±/0.005 χ^2/NDF : 7353.5/16

Left Out: 0.205±/0.002 χ^2/NDF :3829.8/24

Right Out: -0.219±/0.004 χ^2/NDF : 7417.3/18

Left In: 0.208±/0.002 χ^2/NDF :5094.6/22

Left: 0.207±/0.002 χ^2/NDF : 8925.6/47

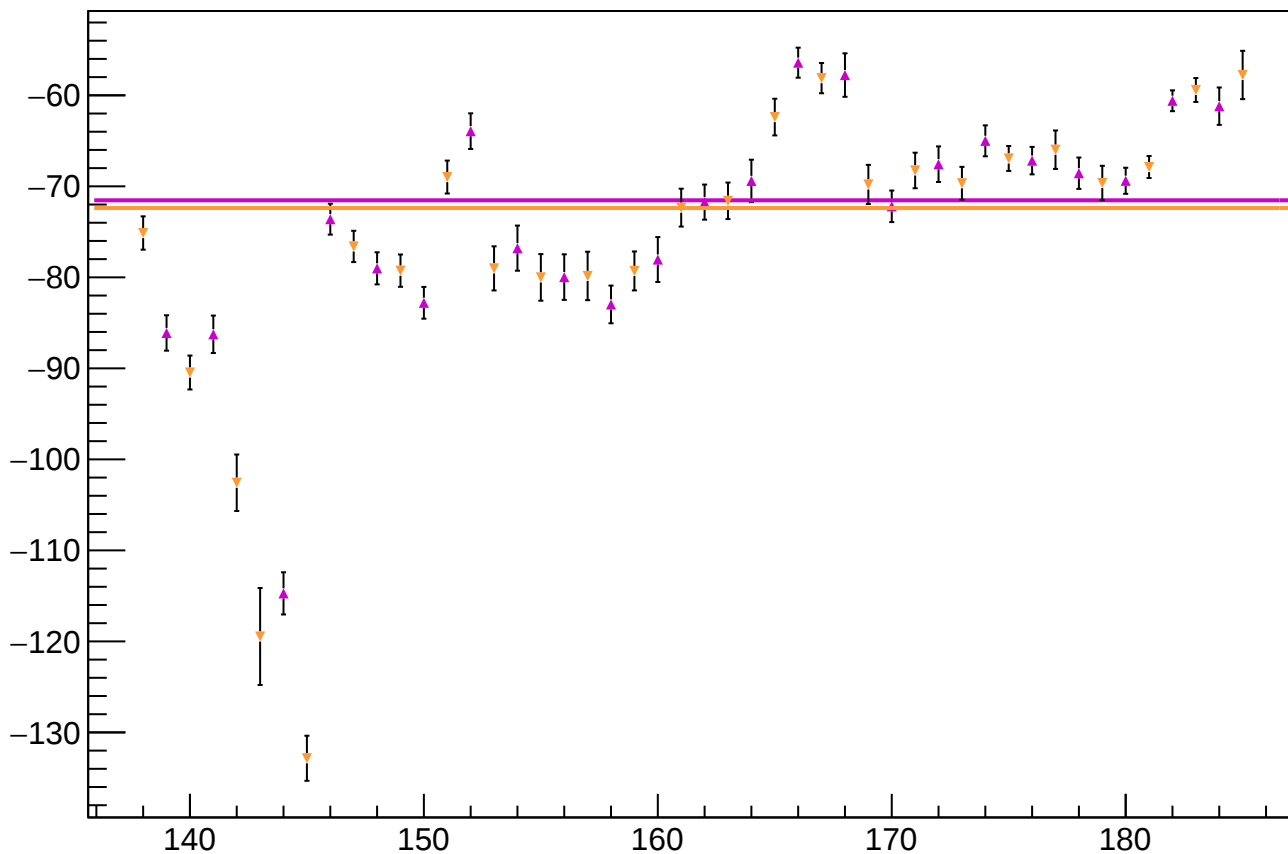
Right: -0.201±/0.003 χ^2/NDF : 14813.5/35

In: 0.140±/0.002 χ^2/NDF :17657.0/39

Out: 0.119±/0.002 χ^2/NDF :18995.0/43

All: 0.129±/0.001 χ^2/NDF : 36710.6/83

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



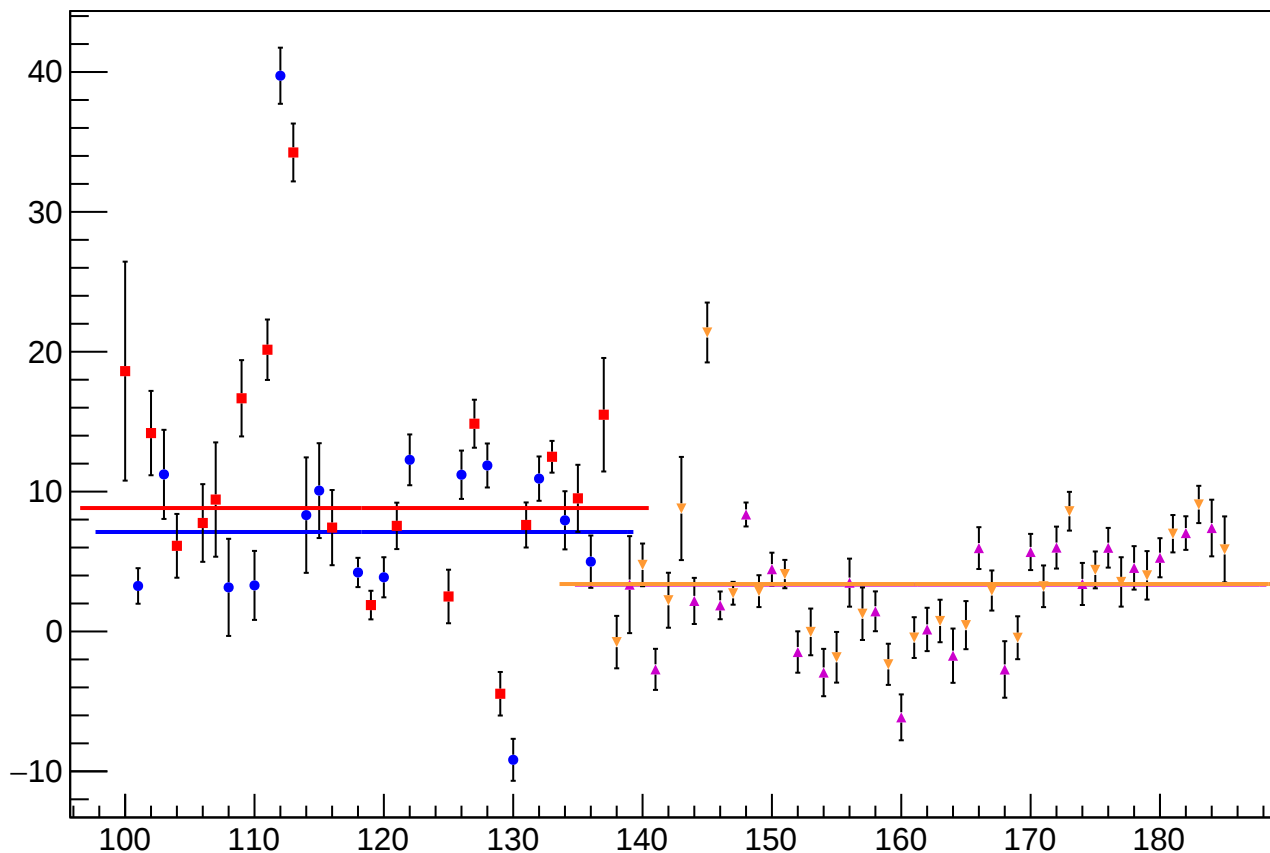
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -72.381+/-0.382 χ^2/NDF :1200.5/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -71.534+/-0.382 χ^2/NDF :851.4/22

Left: -71.957+/-0.270 χ^2/NDF : 2054.4/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -71.534+/-0.382 χ^2/NDF :851.4/22
 Out: -72.381+/-0.382 χ^2/NDF :1200.5/24

All: -71.957+/-0.270 χ^2/NDF : 2054.4/47

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Left: 3.371 $\pm$ 0.209 χ^2/NDF : 333.4/47

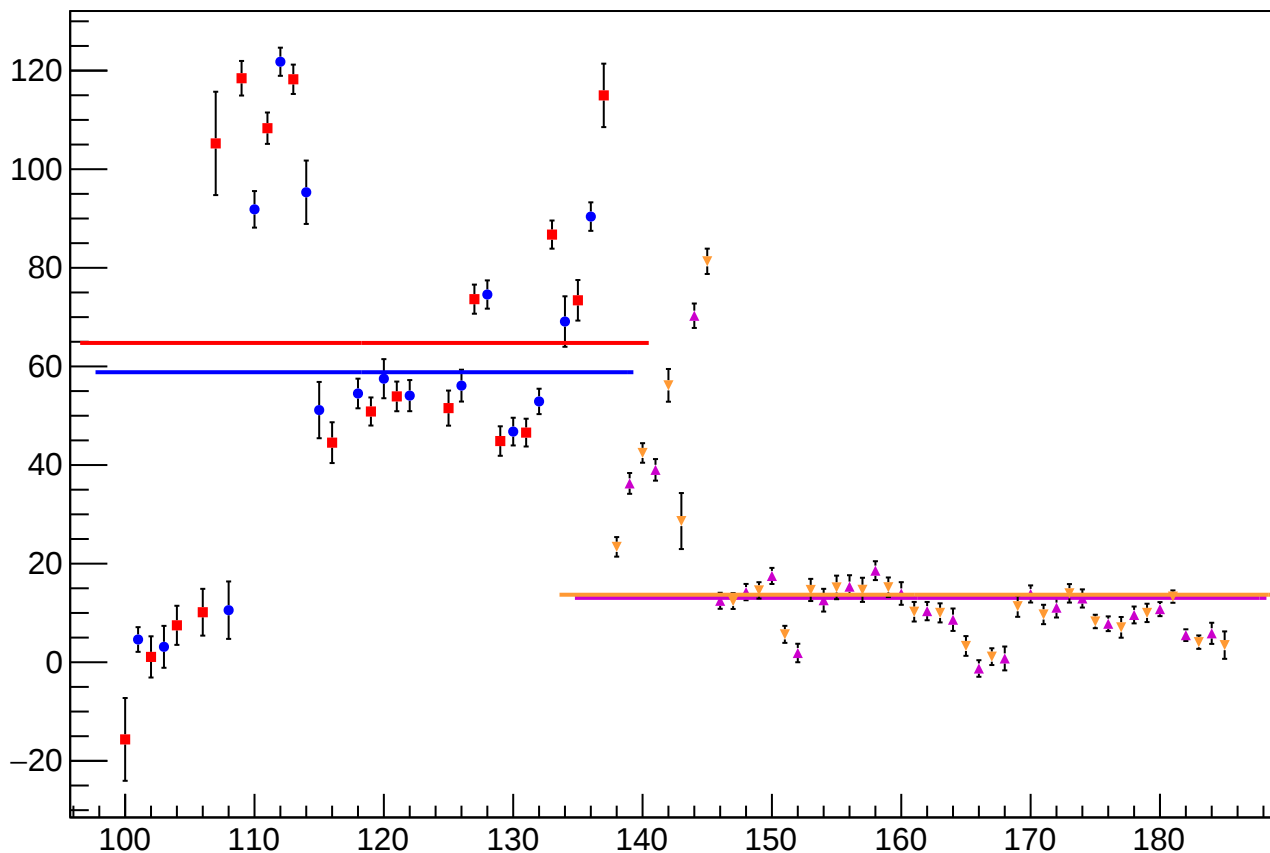
Right: 7.952 $\pm$ 0.314 χ^2/NDF : 797.5/33

In: 4.532 $\pm$ 0.247 χ^2/NDF : 654.0/38

Out: 5.023 $\pm$ 0.246 χ^2/NDF : 622.2/42

All: 4.779 $\pm$ 0.174 χ^2/NDF : 1278.2/81

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.825+/-0.839 χ^2/NDF : 1491.4/15

Left Out: 13.697+/-0.381 χ^2/NDF :1307.7/24

Right Out: 64.764+/-0.842 χ^2/NDF : 1718.6/17

Left In: 13.058+/-0.380 χ^2/NDF :1024.7/22

Left: 13.376+/-0.269 χ^2/NDF : 2333.8/47

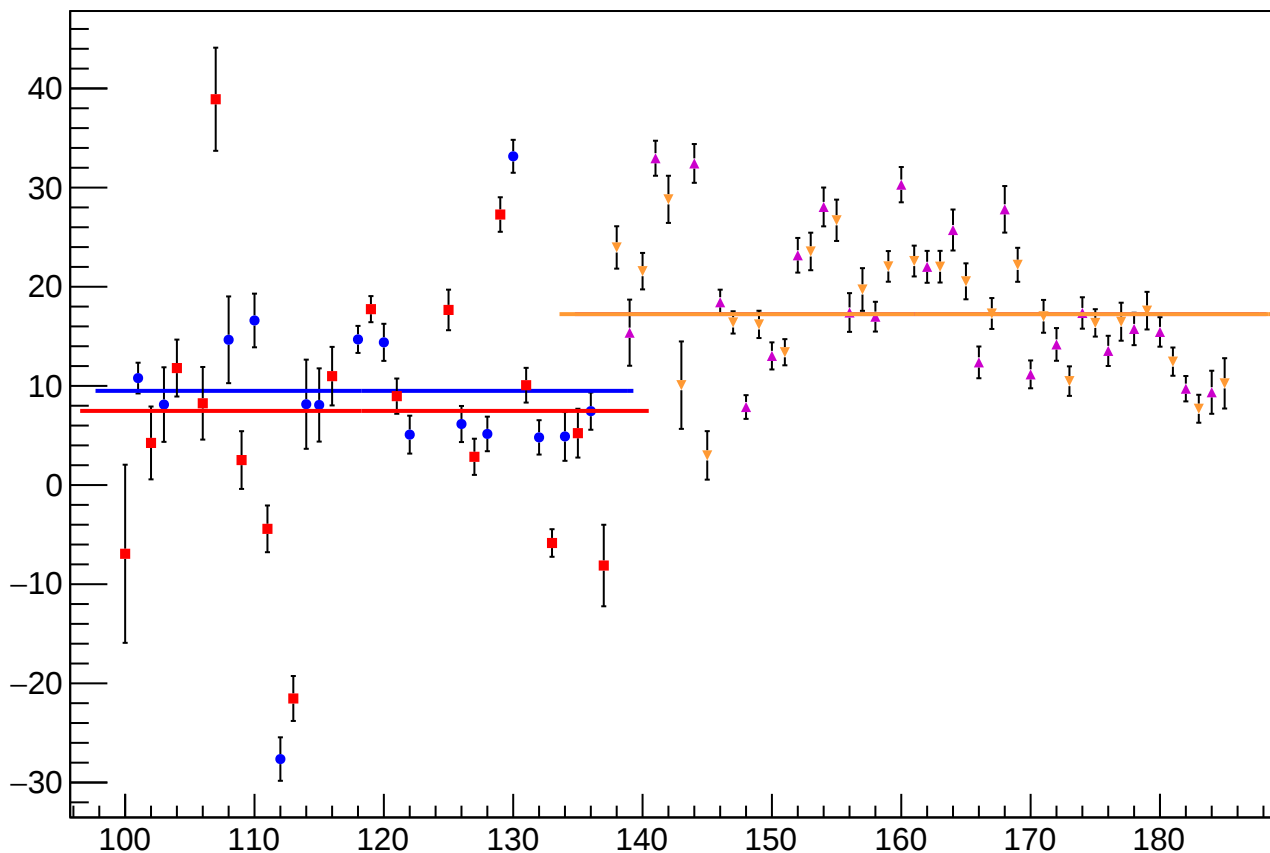
Right: 61.783+/-0.594 χ^2/NDF : 3234.9/33

In: 20.847+/-0.346 χ^2/NDF :4988.0/38

Out: 22.380+/-0.347 χ^2/NDF :6080.7/42

All: 21.611+/-0.245 χ^2/NDF : 11078.5/81

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.499 ± 0.508 $\chi^2/\text{NDF}: 547.2/15$

Left Out: 17.238 ± 0.336 $\chi^2/\text{NDF}: 246.6/24$

Right Out: 7.477 ± 0.516 $\chi^2/\text{NDF}: 566.9/17$

Left In: 17.245 ± 0.339 $\chi^2/\text{NDF}: 440.8/22$

Left: 17.241 ± 0.239 $\chi^2/\text{NDF}: 687.4/47$

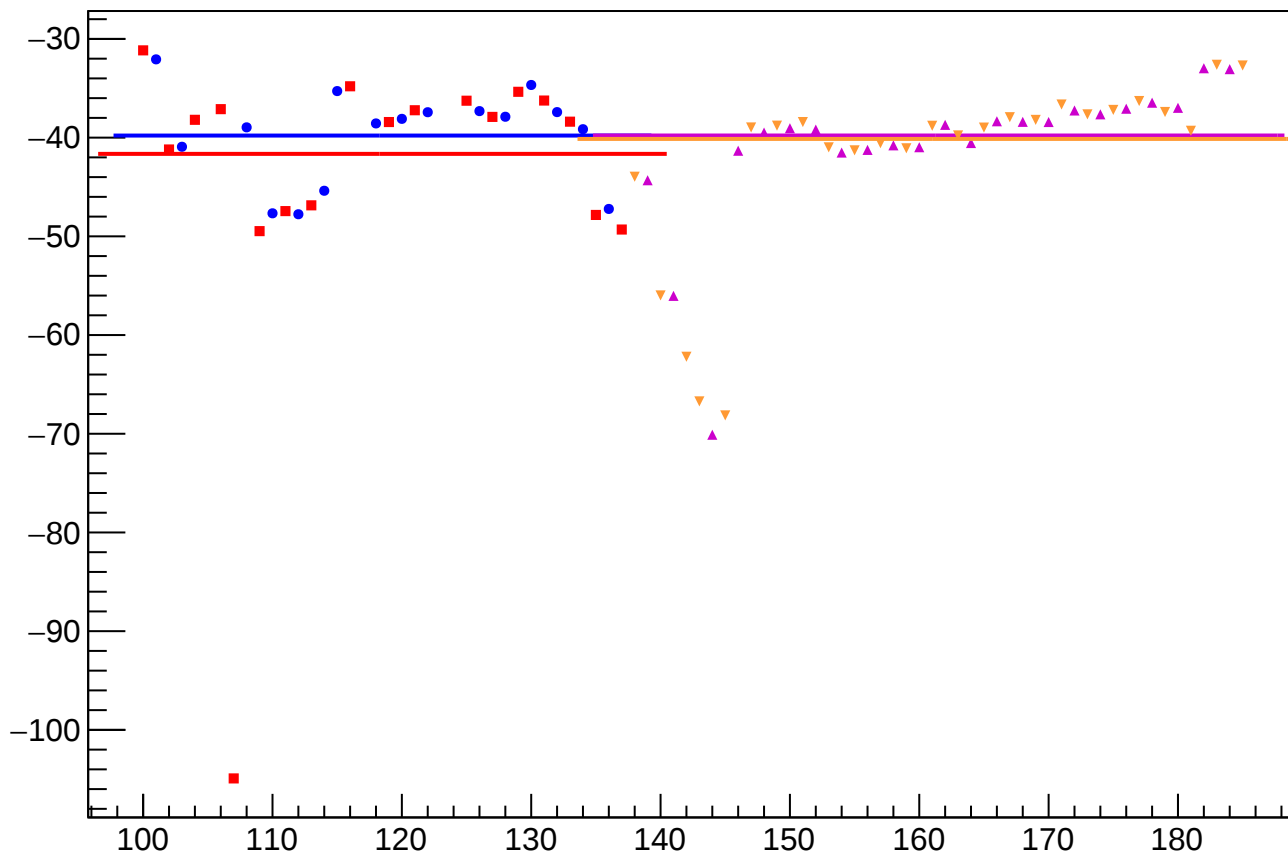
Right: 8.505 ± 0.362 $\chi^2/\text{NDF}: 1121.9/33$

In: 14.852 ± 0.282 $\chi^2/\text{NDF}: 1148.9/38$

Out: 14.329 ± 0.282 $\chi^2/\text{NDF}: 1064.8/42$

All: 14.590 ± 0.199 $\chi^2/\text{NDF}: 2215.4/81$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.790 ± 0.031 χ^2/NDF : 26103.4/15

Left Out: -40.130 ± 0.016 χ^2/NDF : 185761.0/24

Right Out: -41.646 ± 0.031 χ^2/NDF : 94375.5/17

Left In: -39.785 ± 0.016 χ^2/NDF : 144494.5/22

Left: -39.957 ± 0.011 χ^2/NDF : 330498.1/47

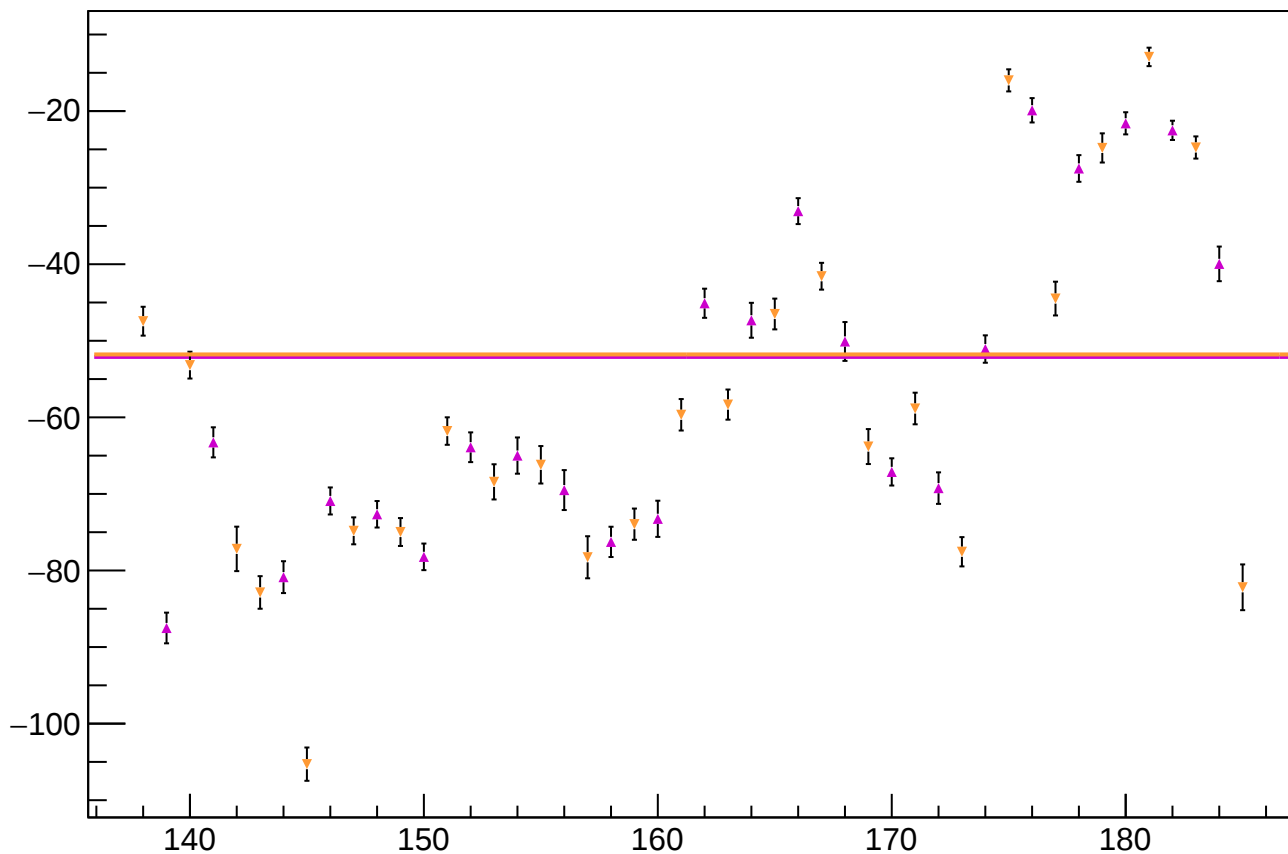
Right: -40.718 ± 0.022 χ^2/NDF : 122240.7/33

In: -39.786 ± 0.014 χ^2/NDF : 170597.9/38

Out: -40.436 ± 0.014 χ^2/NDF : 282013.0/42

All: -40.110 ± 0.010 χ^2/NDF : 453686.7/81

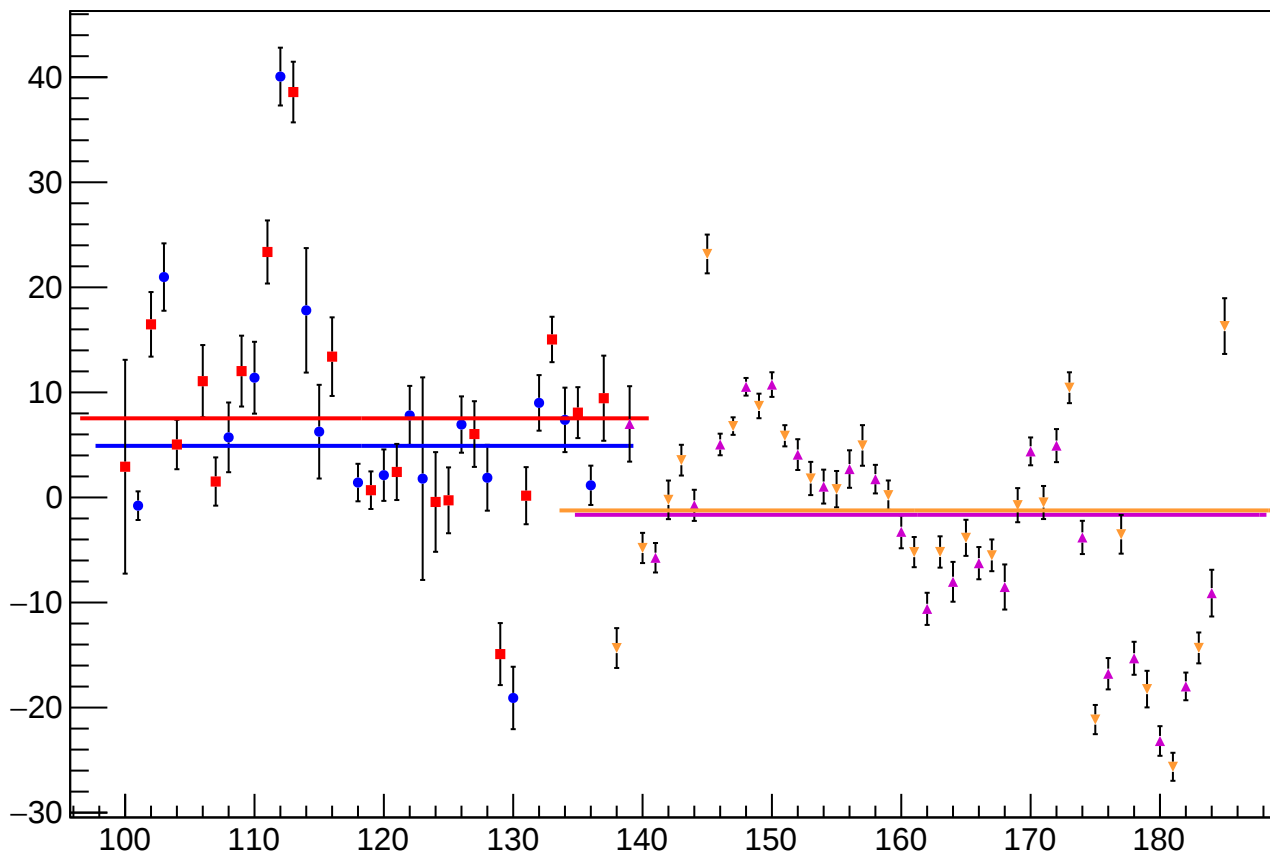
reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -51.784+/-0.383 χ^2/NDF : 4168.0/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -52.104+/-0.389 χ^2/NDF : 3280.2/22

Left: -51.941+/-0.273 χ^2/NDF : 7448.5/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -52.104+/-0.389 χ^2/NDF : 3280.2/22
 Out: -51.784+/-0.383 χ^2/NDF : 4168.0/24
 All: -51.941+/-0.273 χ^2/NDF : 7448.5/47

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.912 ± 0.629 $\chi^2/\text{NDF}: 294.3/16$

Left Out: -1.235 ± 0.292 $\chi^2/\text{NDF}: 1319.5/24$

Right Out: 7.532 ± 0.651 $\chi^2/\text{NDF}: 270.5/18$

Left In: -1.650 ± 0.300 $\chi^2/\text{NDF}: 1092.2/22$

Left: -1.436 ± 0.209 $\chi^2/\text{NDF}: 2412.7/47$

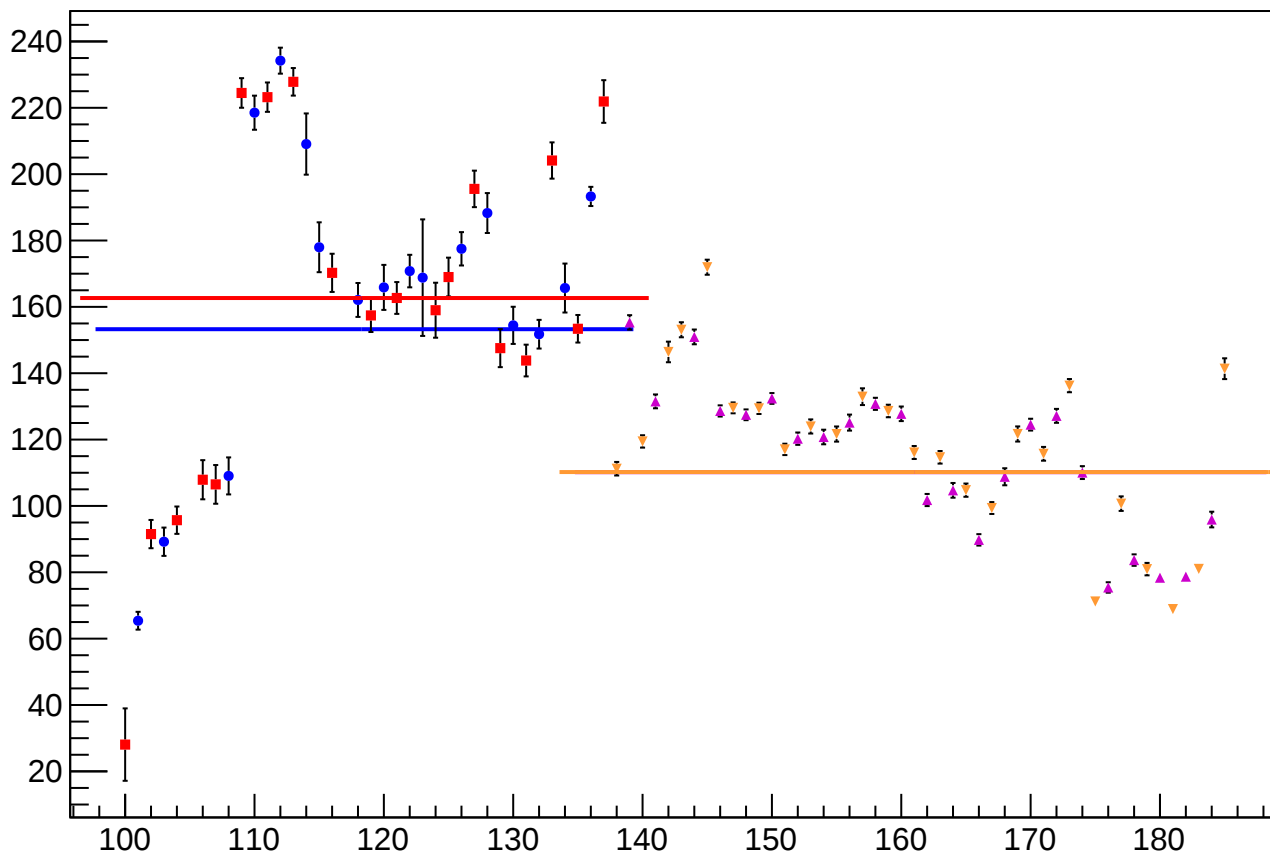
Right: 6.176 ± 0.452 $\chi^2/\text{NDF}: 573.3/35$

In: -0.432 ± 0.271 $\chi^2/\text{NDF}: 1475.3/39$

Out: 0.230 ± 0.266 $\chi^2/\text{NDF}: 1740.9/43$

All: -0.095 ± 0.190 $\chi^2/\text{NDF}: 3219.3/83$

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.268 $\pm$ 1.152 χ^2 /NDF: 2266.2/16

Left Out: 110.209 $\pm$ 0.382 χ^2 /NDF:4597.4/24

Right Out: 162.664 $\pm$ 1.179 χ^2 /NDF: 1708.8/18

Left In: 110.171 $\pm$ 0.386 χ^2 /NDF:3702.6/22

Left: 110.190 $\pm$ 0.272 χ^2 /NDF: 8300.0/47

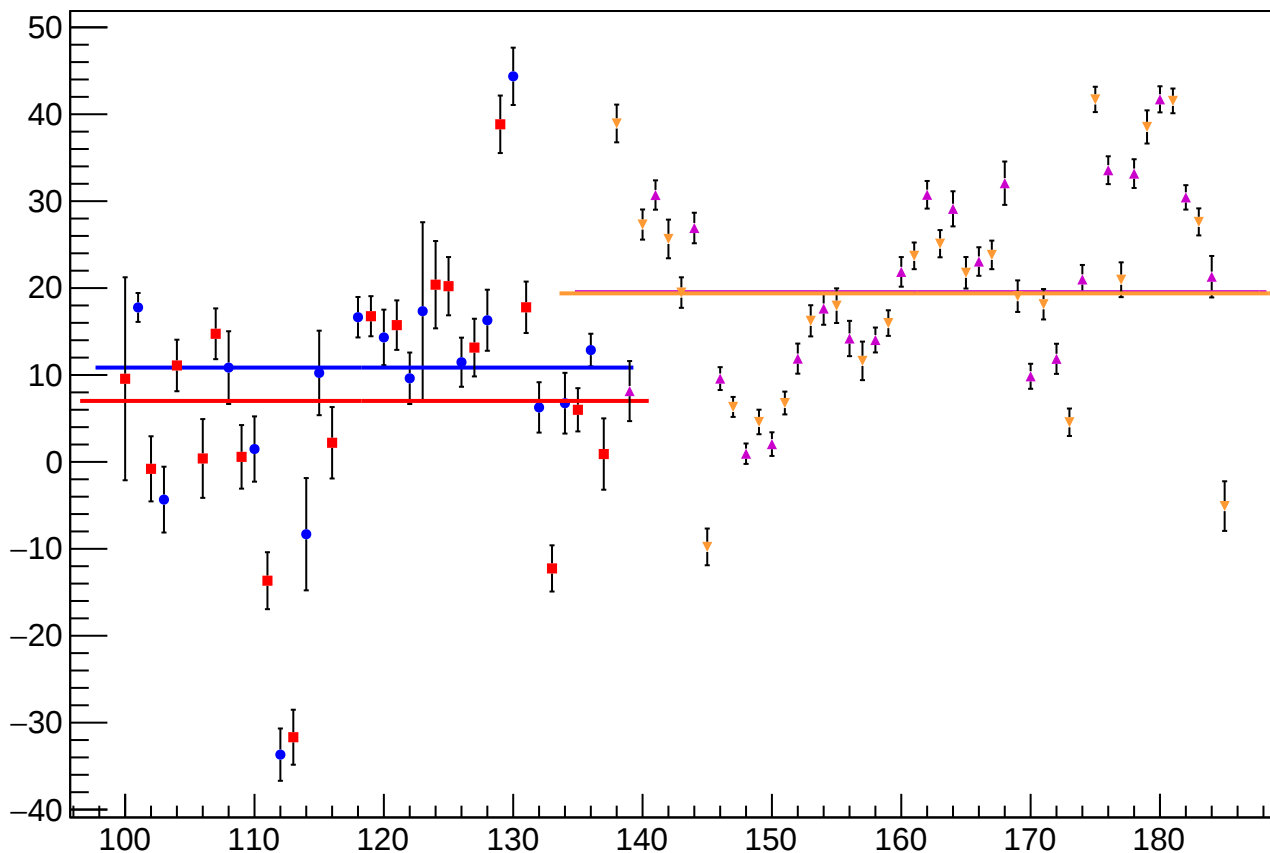
Right: 157.859 $\pm$ 0.824 χ^2 /NDF: 4007.5/35

In: 114.521 $\pm$ 0.366 χ^2 /NDF:7227.3/39

Out: 115.199 $\pm$ 0.363 χ^2 /NDF:8098.8/43

All: 114.862 $\pm$ 0.258 χ^2 /NDF: 15327.8/83

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.853 $\pm$ 0.721 χ^2 /NDF: 386.3/16

Left Out: 19.391 $\pm$ 0.335 χ^2 /NDF:1451.4/24

Right Out: 7.016 $\pm$ 0.749 χ^2 /NDF: 423.3/18

Left In: 19.530 $\pm$ 0.342 χ^2 /NDF:1181.3/22

Left: 19.459 $\pm$ 0.239 χ^2 /NDF: 2632.8/47

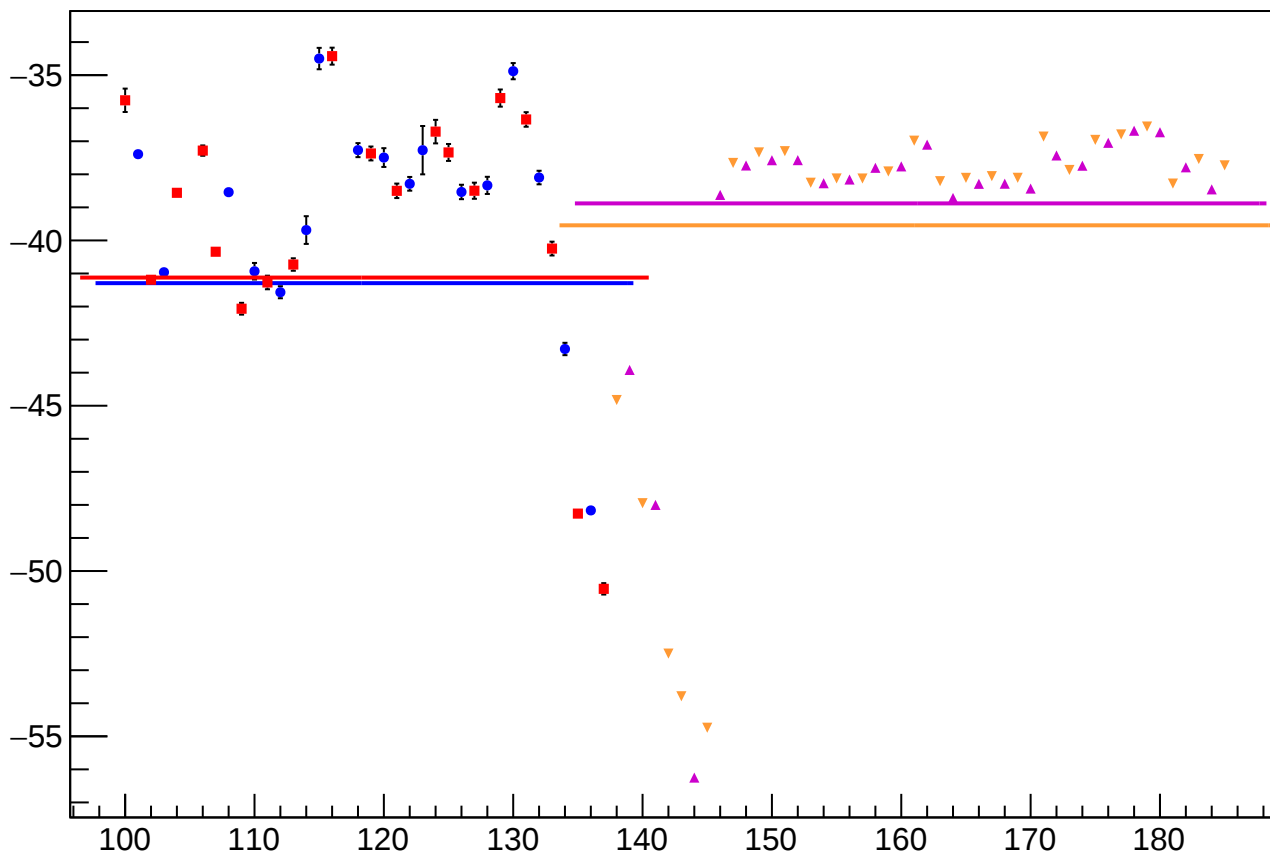
Right: 9.008 $\pm$ 0.519 χ^2 /NDF: 823.3/35

In: 17.931 $\pm$ 0.309 χ^2 /NDF:1685.9/39

Out: 17.330 $\pm$ 0.306 χ^2 /NDF:2102.4/43

All: 17.627 $\pm$ 0.217 χ^2 /NDF: 3790.2/83

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.292 ± 0.039 χ^2/NDF : 12502.4/16

Left Out: -39.543 ± 0.016 χ^2/NDF : 92014.5/24

Right Out: -41.123 ± 0.039 χ^2/NDF : 12115.0/18

Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

Left: -39.214 ± 0.011 χ^2/NDF : 146304.8/47

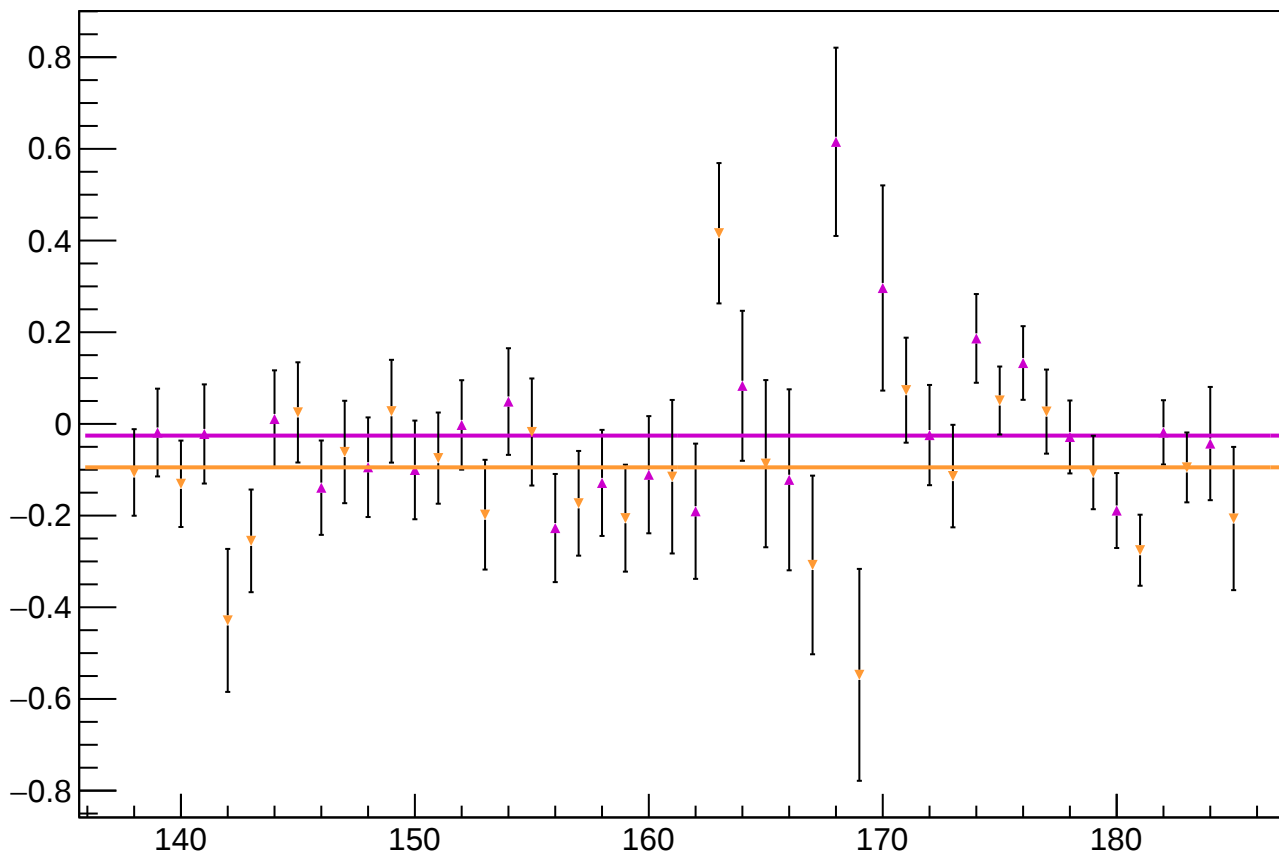
Right: -41.208 ± 0.027 χ^2/NDF : 24627.0/35

In: -39.228 ± 0.015 χ^2/NDF : 69248.2/39

Out: -39.767 ± 0.015 χ^2/NDF : 105561.0/43

All: -39.499 ± 0.010 χ^2/NDF : 175489.0/83

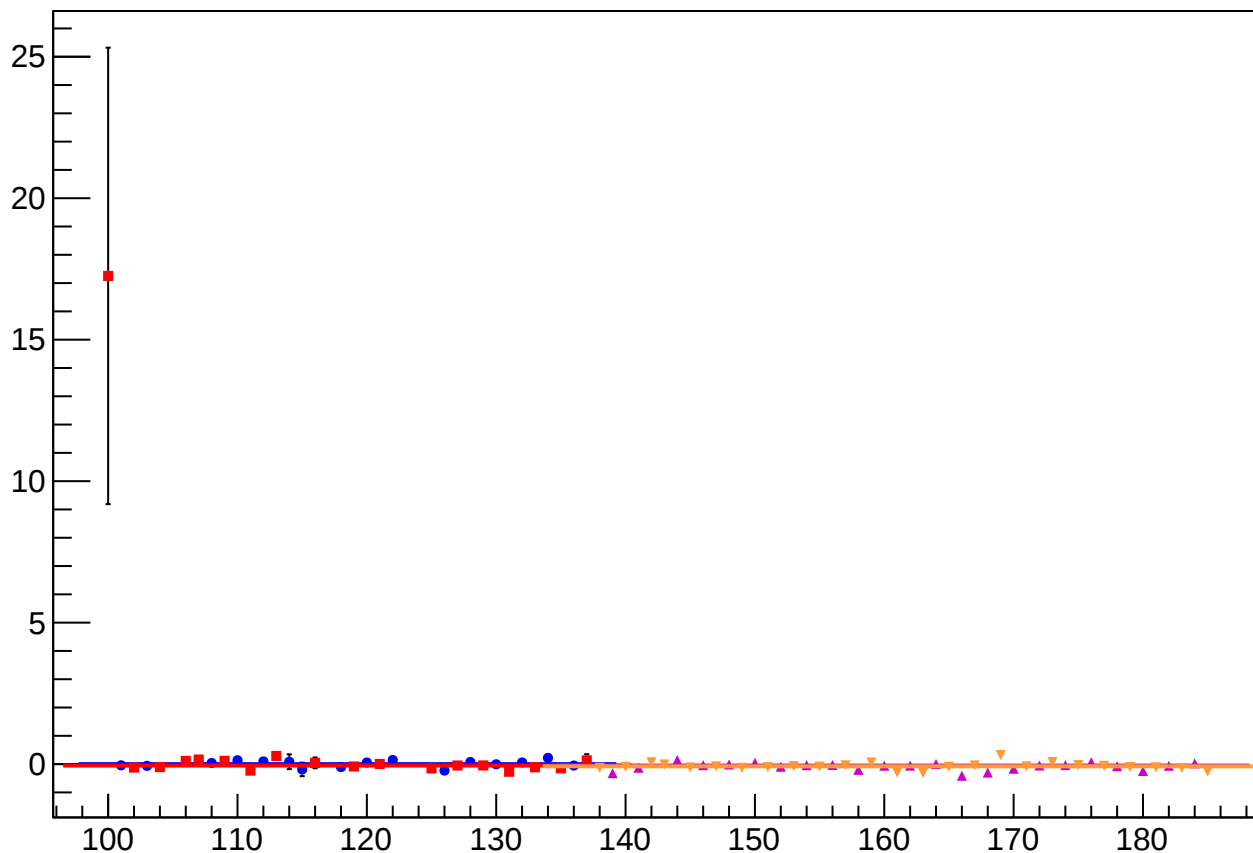
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.095 $\pm$ 0.022 χ^2 /NDF:41.8/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.026 $\pm$ 0.022 χ^2 /NDF:33.3/22

Left: -0.061 $\pm$ 0.016 χ^2 /NDF: 80.1/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.026 $\pm$ 0.022 χ^2 /NDF:33.3/22
 Out: -0.095 $\pm$ 0.022 χ^2 /NDF:41.8/24
 All: -0.061 $\pm$ 0.016 χ^2 /NDF: 80.1/47

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.002 ± 0.029 χ^2/NDF : 12.7/15

Left Out: -0.078 ± 0.017 χ^2/NDF : 26.5/24

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.5/17

Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

Left: -0.065 ± 0.012 χ^2/NDF : 59.3/47

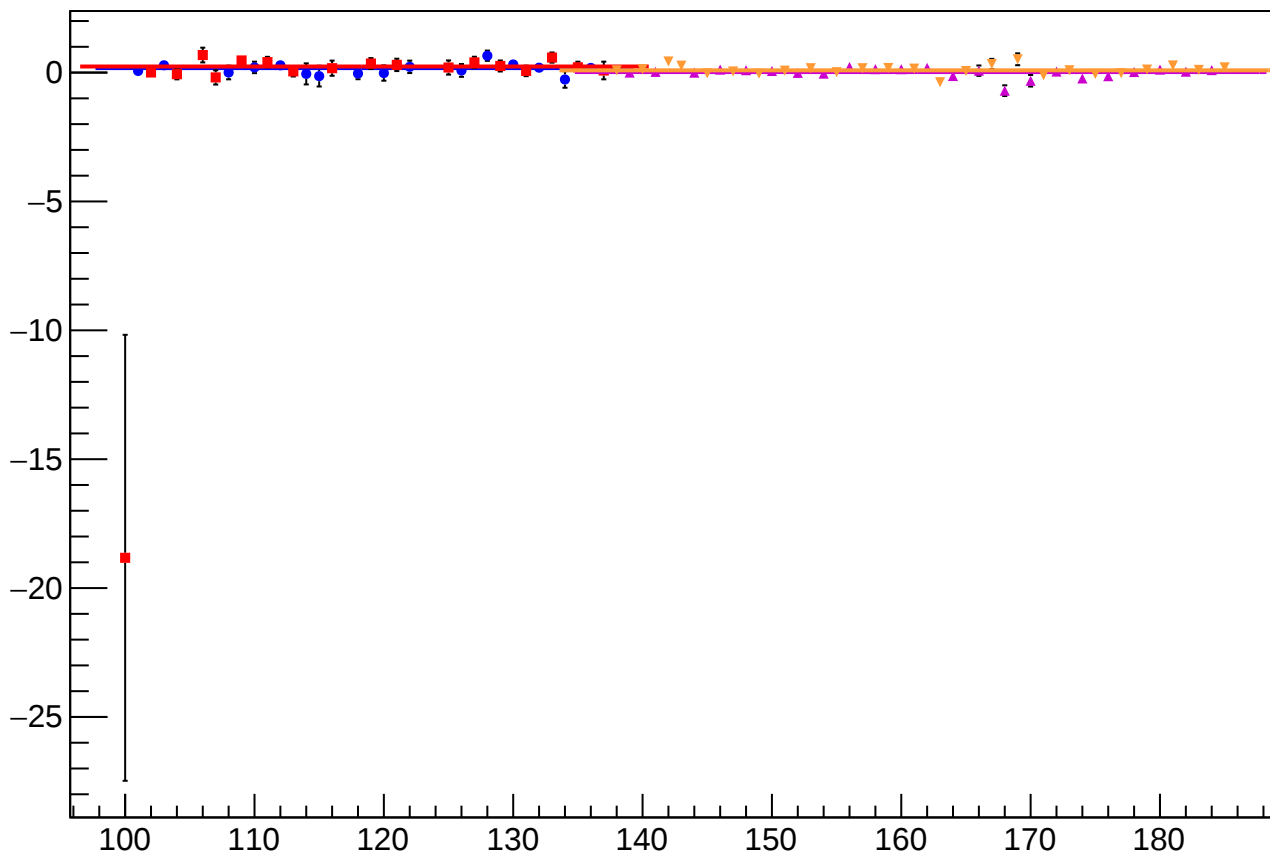
Right: -0.025 ± 0.020 χ^2/NDF : 39.6/33

In: -0.038 ± 0.015 χ^2/NDF : 46.6/38

Out: -0.071 ± 0.015 χ^2/NDF : 52.7/42

All: -0.055 ± 0.010 χ^2/NDF : 101.7/81

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.174 $\pm$ 0.053 χ^2 /NDF: 12.4/15

Left Out: 0.087 $\pm$ 0.022 χ^2 /NDF:40.7/24

Right Out: 0.236 $\pm$ 0.054 χ^2 /NDF: 21.5/17

Left In: 0.020 $\pm$ 0.022 χ^2 /NDF:35.6/22

Left: 0.055 $\pm$ 0.015 χ^2 /NDF: 81.0/47

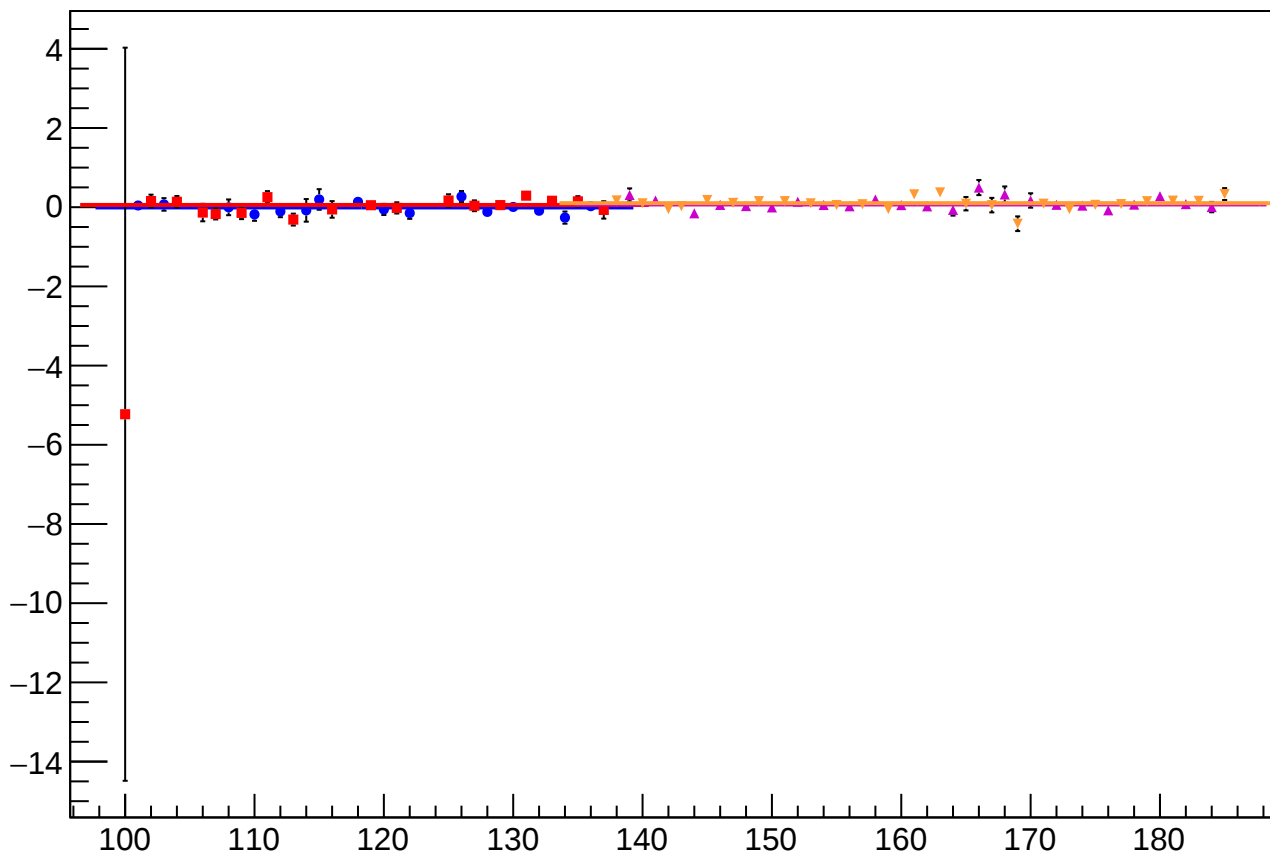
Right: 0.204 $\pm$ 0.038 χ^2 /NDF: 34.6/33

In: 0.043 $\pm$ 0.020 χ^2 /NDF:55.2/38

Out: 0.108 $\pm$ 0.020 χ^2 /NDF:68.7/42

All: 0.076 $\pm$ 0.014 χ^2 /NDF: 129.1/81

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.033 $\chi^2/\text{NDF}: 14.1/15$

Left Out: 0.102 ± 0.019 $\chi^2/\text{NDF}: 30.2/24$

Right Out: 0.057 ± 0.034 $\chi^2/\text{NDF}: 20.3/17$

Left In: 0.069 ± 0.020 $\chi^2/\text{NDF}: 31.3/22$

Left: 0.086 ± 0.014 $\chi^2/\text{NDF}: 62.9/47$

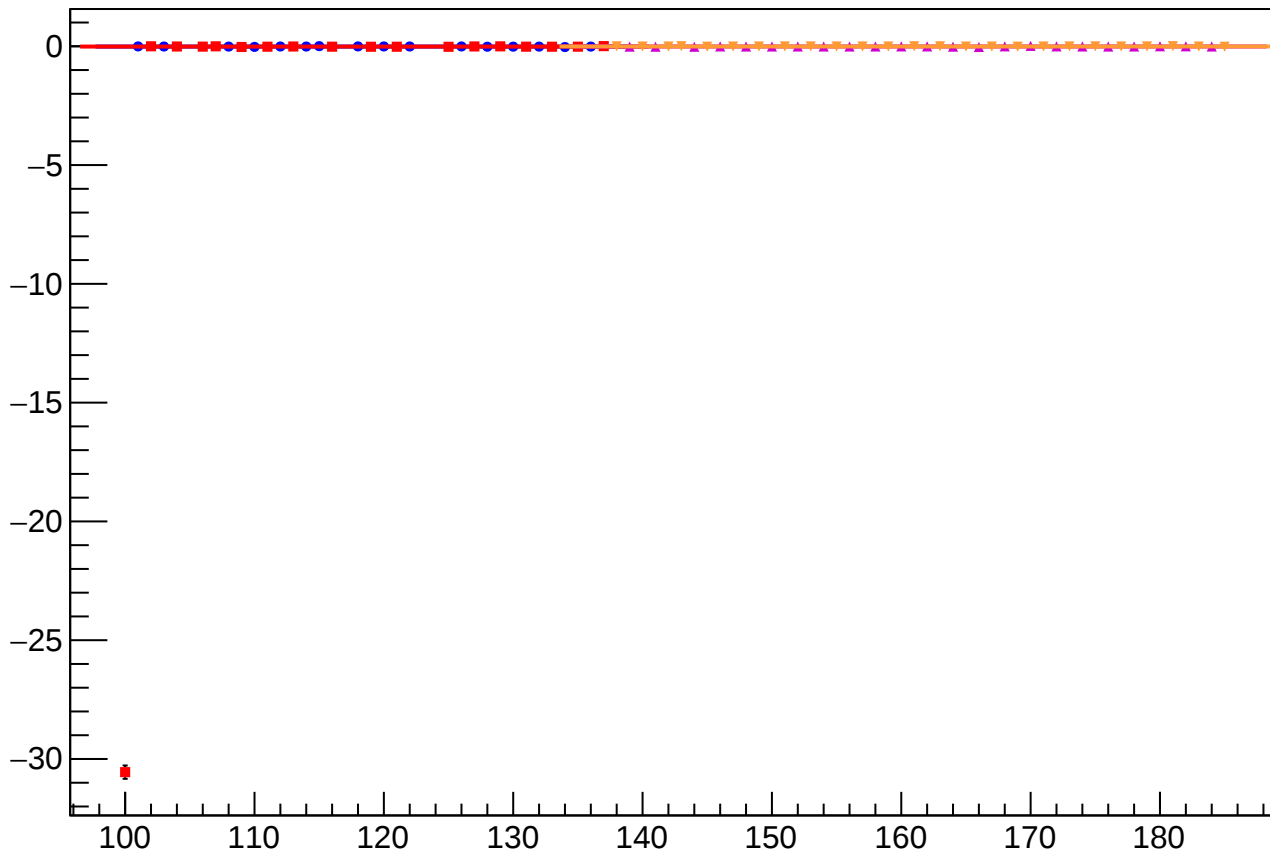
Right: 0.024 ± 0.024 $\chi^2/\text{NDF}: 36.2/33$

In: 0.049 ± 0.017 $\chi^2/\text{NDF}: 49.3/38$

Out: 0.091 ± 0.017 $\chi^2/\text{NDF}: 51.8/42$

All: 0.070 ± 0.012 $\chi^2/\text{NDF}: 104.2/81$

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 35.3/24

Right Out: -0.012 ± 0.002 χ^2/NDF : 11890.8/17

Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

Left: -0.008 ± 0.001 χ^2/NDF : 76.9/47

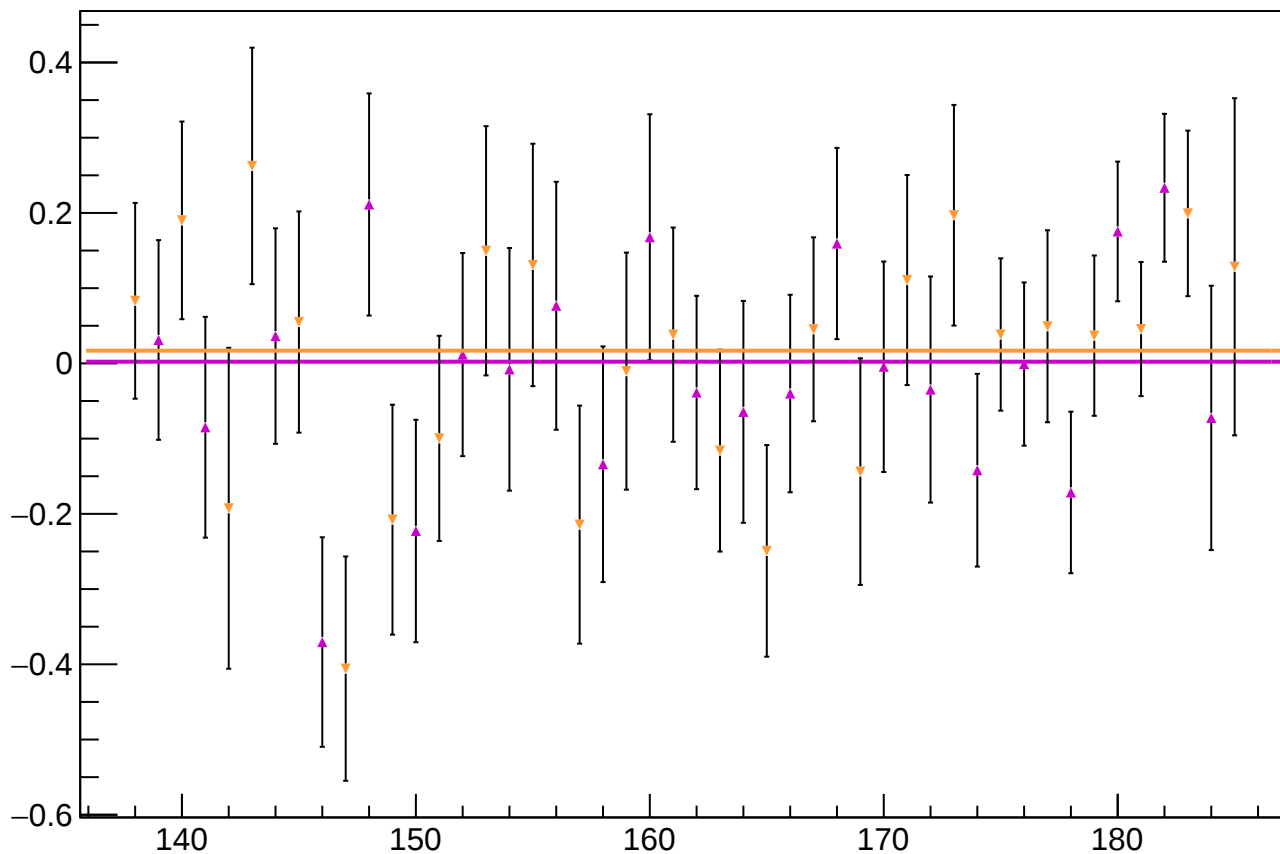
Right: -0.012 ± 0.001 χ^2/NDF : 11903.5/33

In: -0.009 ± 0.001 χ^2/NDF : 56.0/38

Out: -0.008 ± 0.001 χ^2/NDF : 11930.8/42

All: -0.009 ± 0.001 χ^2/NDF : 11987.4/81

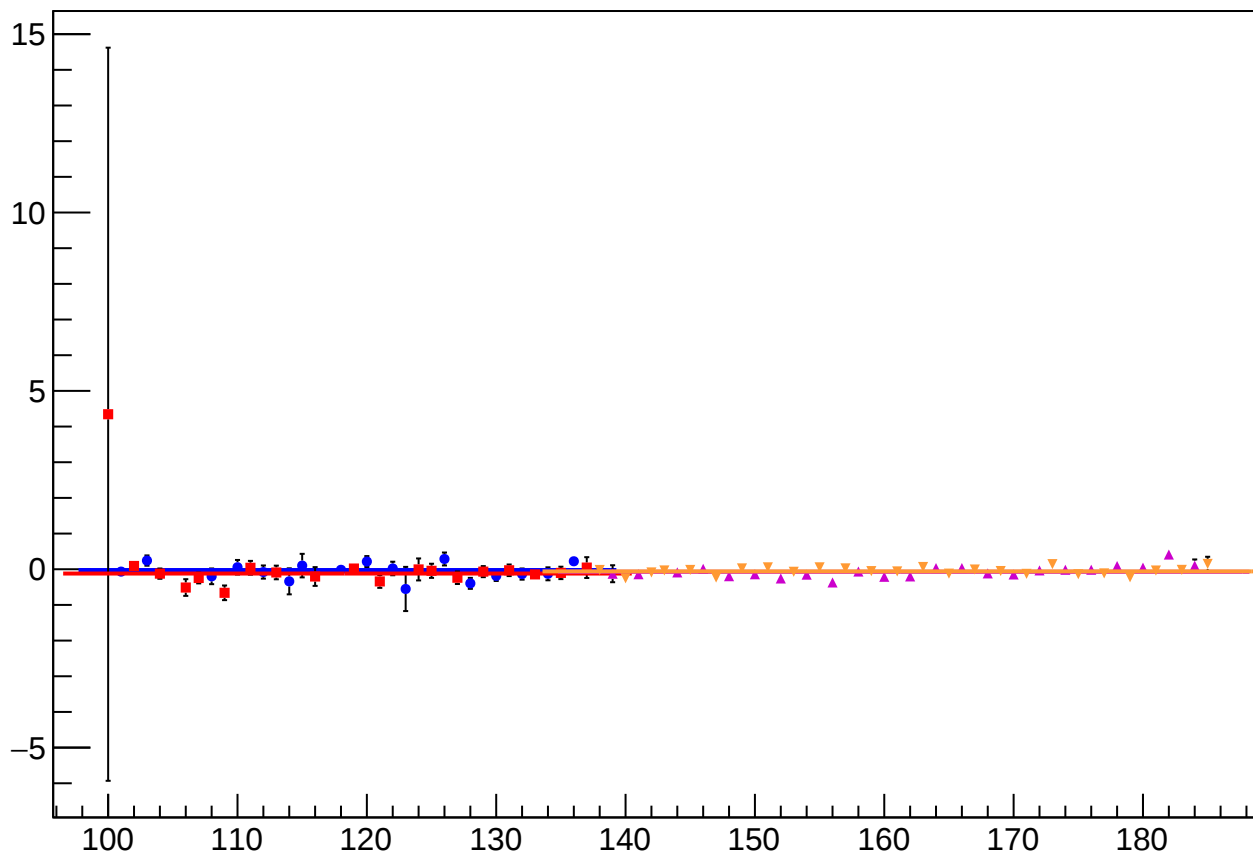
reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.017 $\pm$ 0.027 χ^2 /NDF:30.7/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.002 $\pm$ 0.028 χ^2 /NDF:29.0/22

Left: 0.010 $\pm$ 0.019 χ^2 /NDF: 59.8/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.002 $\pm$ 0.028 χ^2 /NDF:29.0/22
 Out: 0.017 $\pm$ 0.027 χ^2 /NDF:30.7/24
 All: 0.010 $\pm$ 0.019 χ^2 /NDF: 59.8/47

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.022 ± 0.037 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -0.060 ± 0.021 $\chi^2/\text{NDF}: 24.6/24$

Right Out: -0.120 ± 0.039 $\chi^2/\text{NDF}: 18.5/18$

Left In: -0.071 ± 0.022 $\chi^2/\text{NDF}: 49.0/22$

Left: -0.065 ± 0.015 $\chi^2/\text{NDF}: 73.7/47$

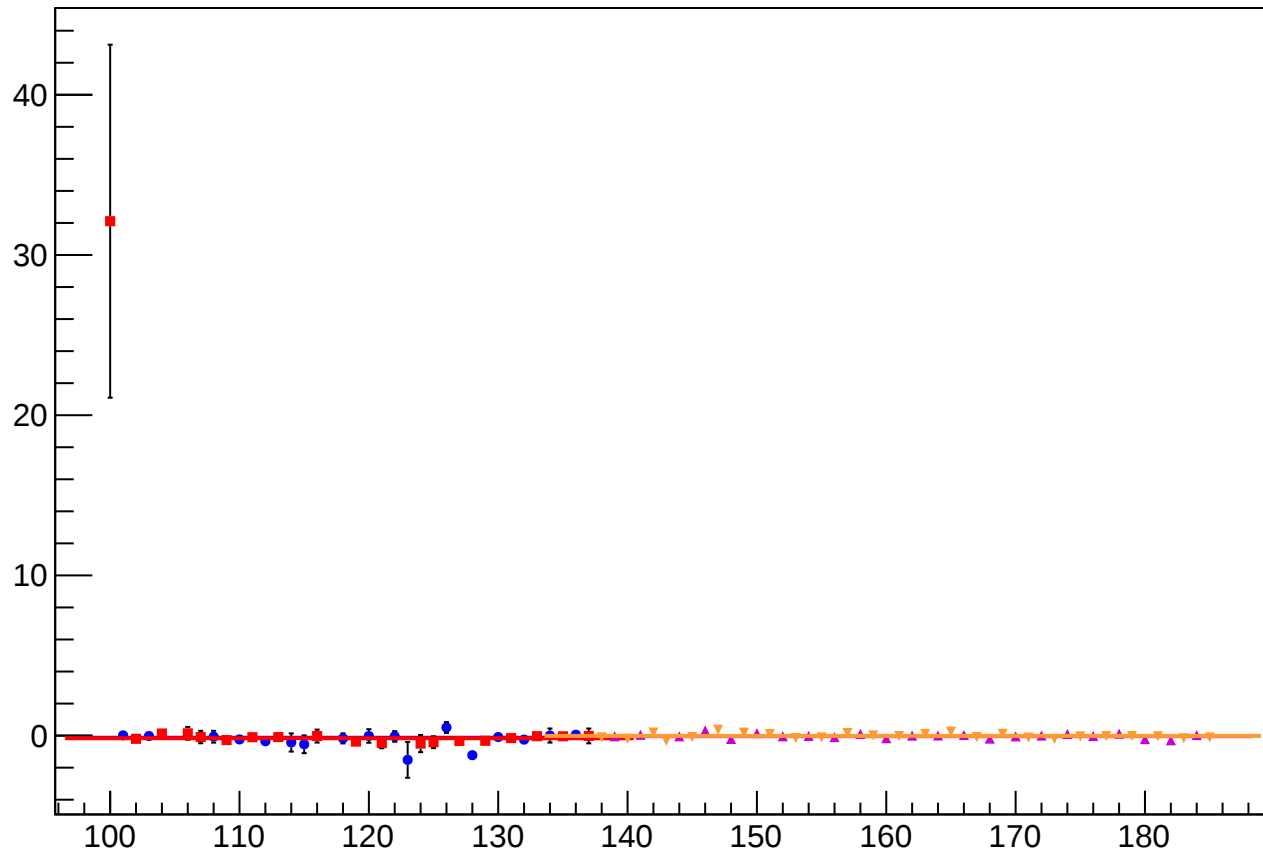
Right: -0.068 ± 0.027 $\chi^2/\text{NDF}: 44.7/35$

In: -0.058 ± 0.019 $\chi^2/\text{NDF}: 73.2/39$

Out: -0.074 ± 0.019 $\chi^2/\text{NDF}: 44.9/43$

All: -0.066 ± 0.013 $\chi^2/\text{NDF}: 118.4/83$

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.135 ± 0.067 χ^2/NDF : 24.7/16

Left Out: -0.018 ± 0.027 χ^2/NDF : 28.8/24

Right Out: -0.164 ± 0.071 χ^2/NDF : 14.4/18

Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

Left: -0.025 ± 0.019 χ^2/NDF : 57.4/47

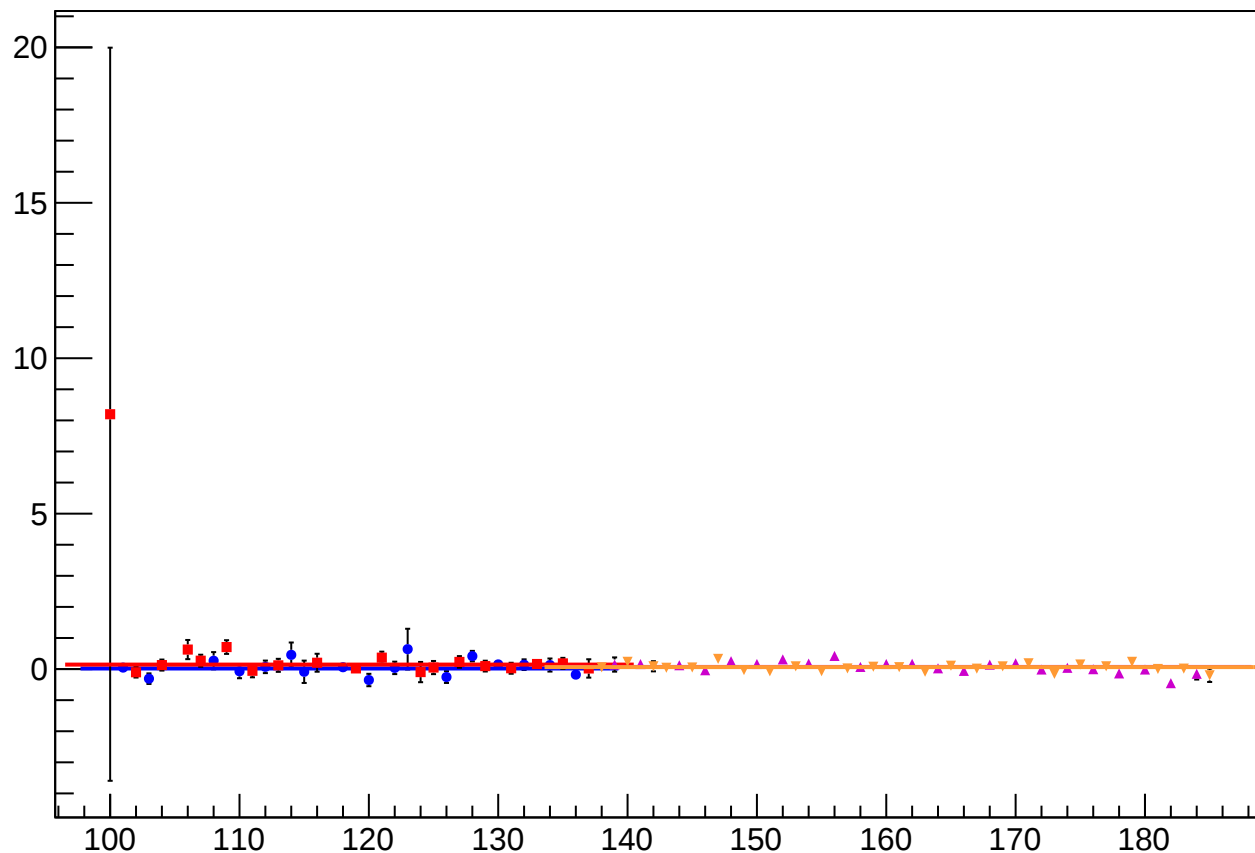
Right: -0.149 ± 0.049 χ^2/NDF : 39.2/35

In: -0.047 ± 0.025 χ^2/NDF : 55.2/39

Out: -0.036 ± 0.025 χ^2/NDF : 47.0/43

All: -0.042 ± 0.018 χ^2/NDF : 102.2/83

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.019 $\pm$ 0.043 χ^2 /NDF: 21.6/16

Left Out: 0.064 $\pm$ 0.024 χ^2 /NDF:24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 16.8/18

Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.8/22

Left: 0.066 $\pm$ 0.017 χ^2 /NDF: 76.4/47

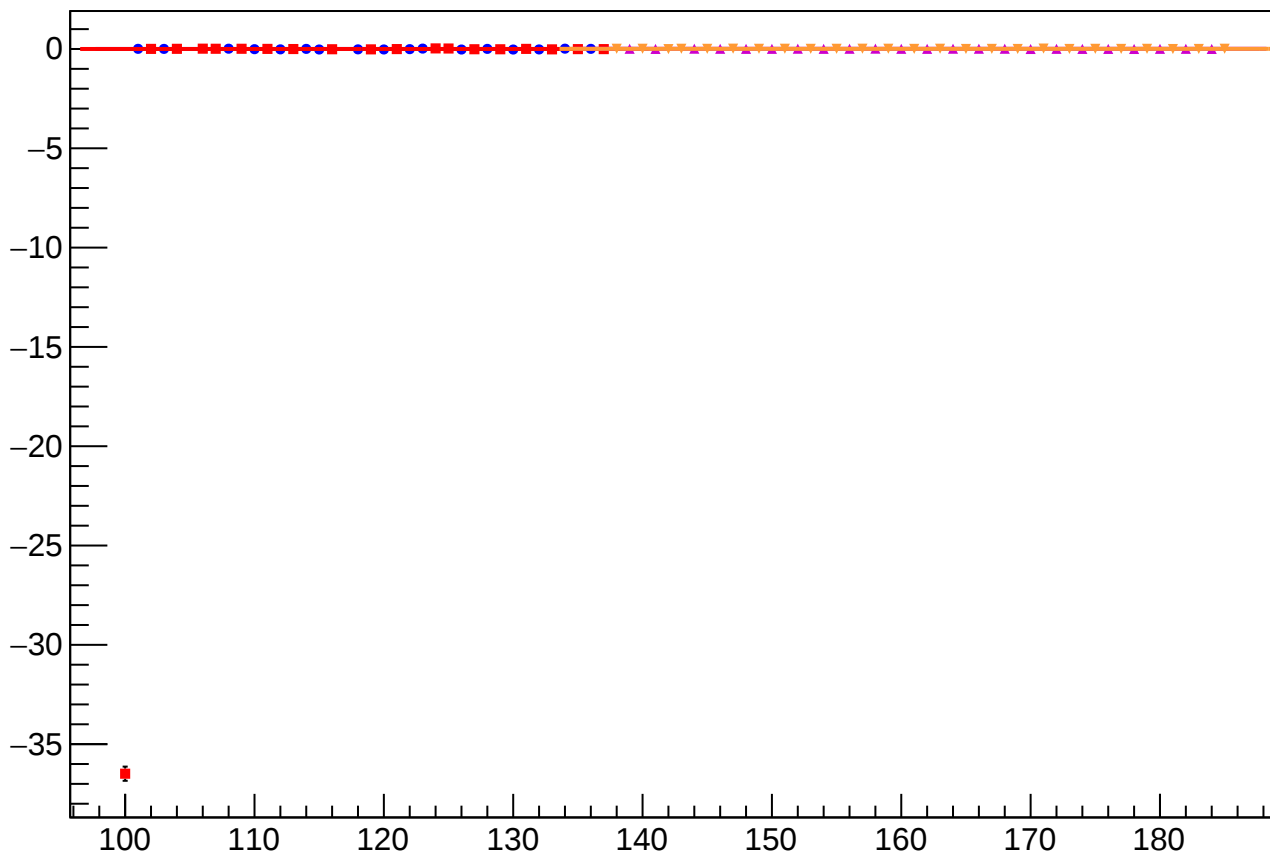
Right: 0.077 $\pm$ 0.031 χ^2 /NDF: 42.5/35

In: 0.056 $\pm$ 0.021 χ^2 /NDF:74.5/39

Out: 0.081 $\pm$ 0.021 χ^2 /NDF:43.8/43

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 119.0/83

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.5/16

Left Out: 0.008 $\pm$ 0.001 χ^2 /NDF: 26.2/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.2/18

Left In: 0.009 $\pm$ 0.001 χ^2 /NDF: 15.0/22

Left: 0.009 $\pm$ 0.001 χ^2 /NDF: 41.3/47

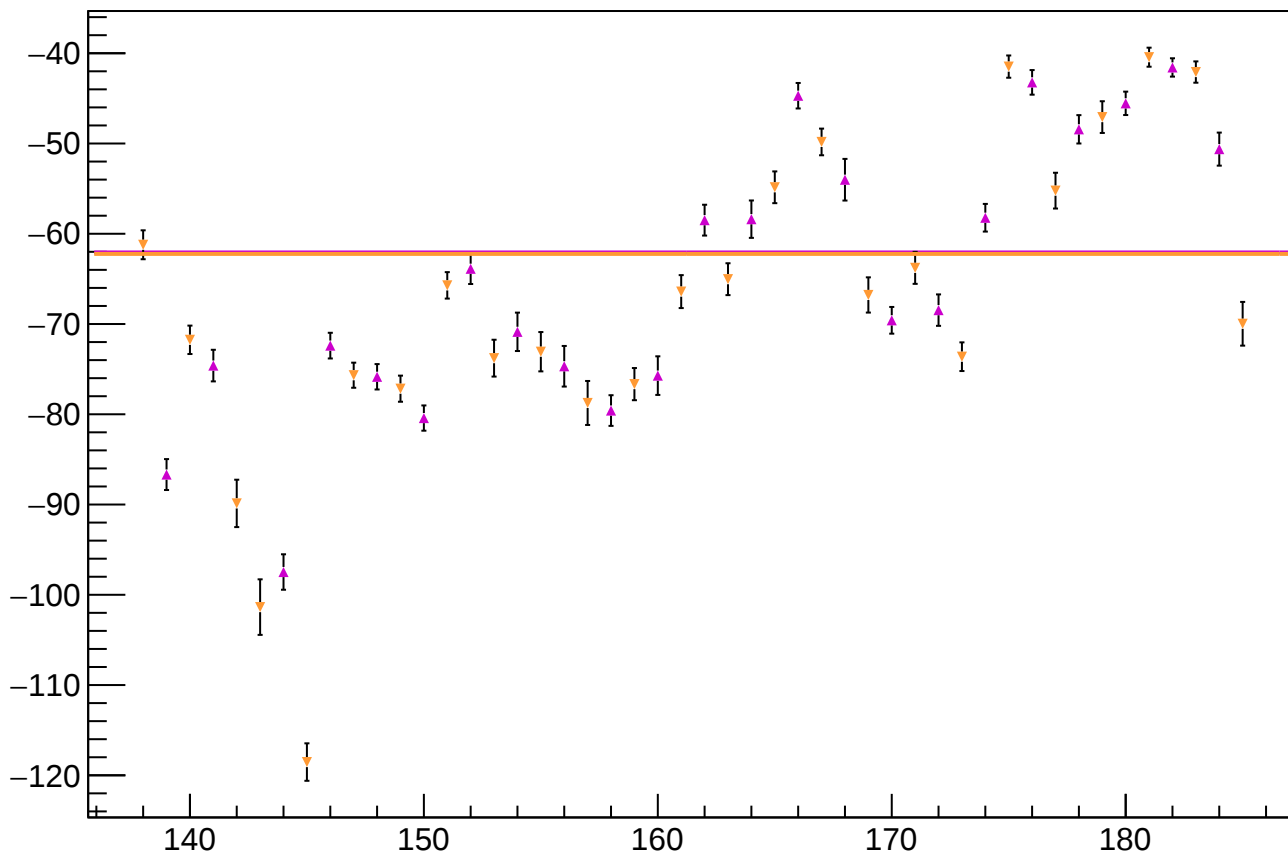
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10479.7/35

In: 0.007 $\pm$ 0.001 χ^2 /NDF: 55.0/39

Out: 0.007 $\pm$ 0.001 χ^2 /NDF: 10484.4/43

All: 0.007 $\pm$ 0.001 χ^2 /NDF: 10539.5/83

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -62.230+/-0.332 χ^2/NDF :2670.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -62.073+/-0.332 χ^2/NDF :2192.0/22

Left: -62.152+/-0.235 χ^2/NDF : 4863.0/47

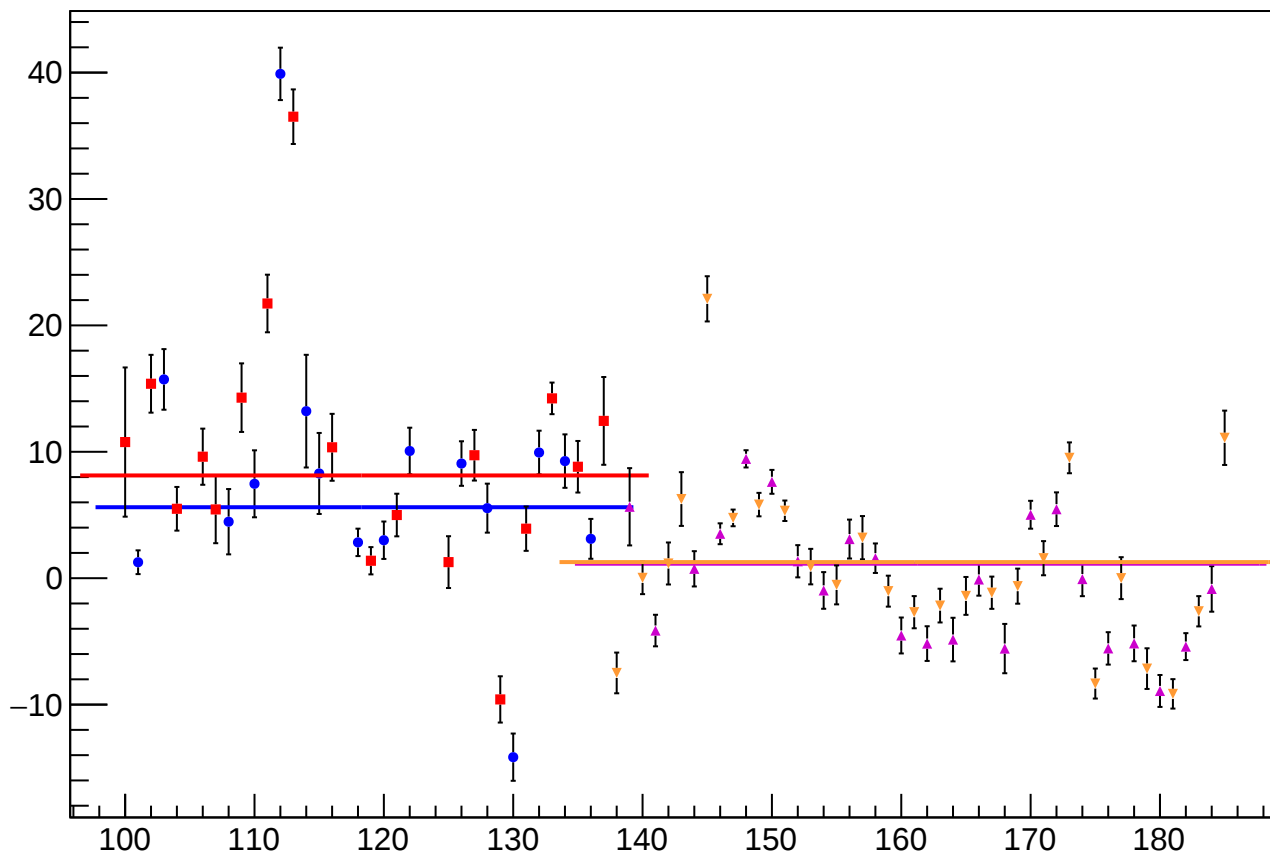
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -62.073+/-0.332 χ^2/NDF :2192.0/22

Out: -62.230+/-0.332 χ^2/NDF :2670.9/24

All: -62.152+/-0.235 χ^2/NDF : 4863.0/47

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.615 $\pm$ 0.430 χ^2/NDF : 460.0/15

Left Out: 1.275 $\pm$ 0.251 χ^2/NDF :531.2/24

Right Out: 8.129 $\pm$ 0.453 χ^2/NDF : 407.7/17

Left In: 1.146 $\pm$ 0.255 χ^2/NDF :462.9/22

Left: 1.211 $\pm$ 0.179 χ^2/NDF : 994.2/47

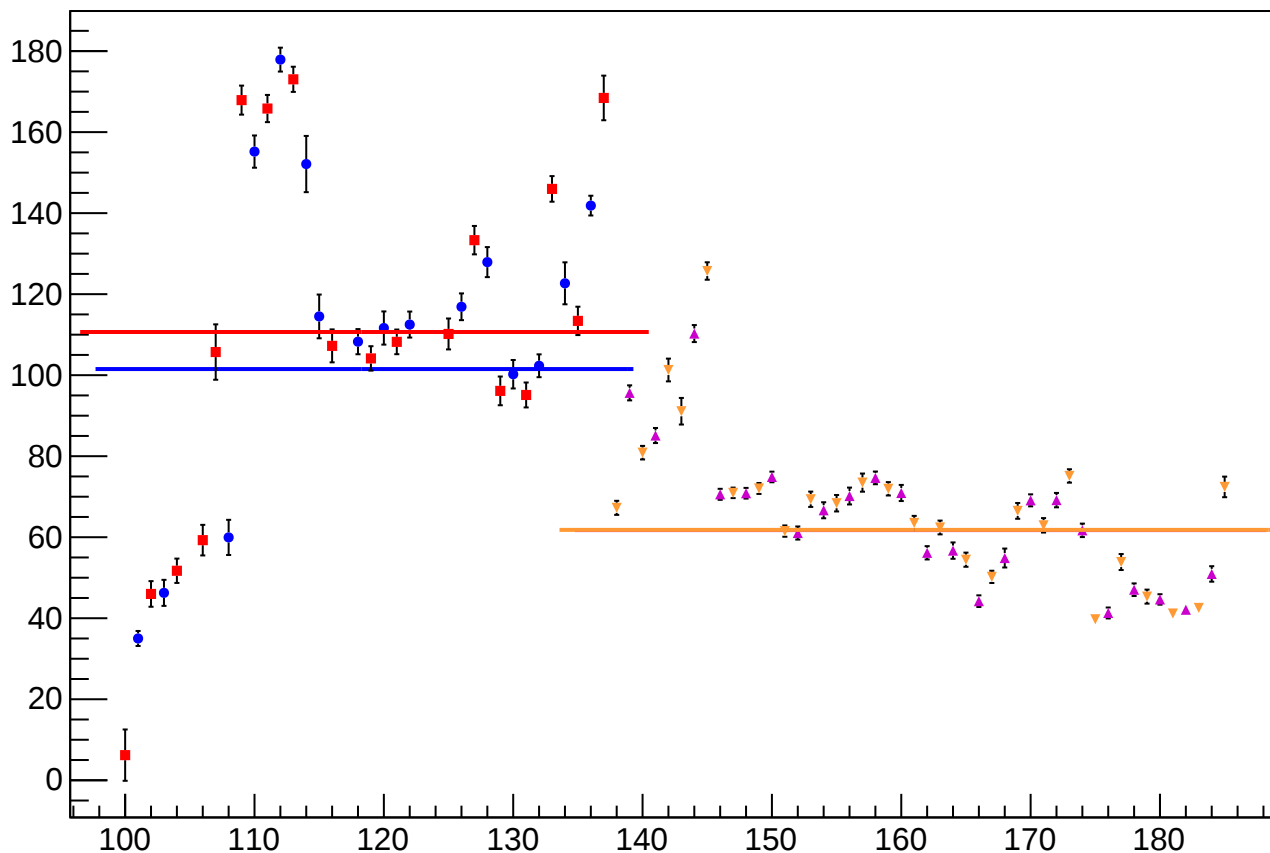
Right: 6.805 $\pm$ 0.312 χ^2/NDF : 883.9/33

In: 2.312 $\pm$ 0.220 χ^2/NDF :1002.8/38

Out: 2.882 $\pm$ 0.219 χ^2/NDF :1114.0/42

All: 2.597 $\pm$ 0.155 χ^2/NDF : 2120.2/81

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.513 $\pm$ 0.813 χ^2 /NDF: 2973.2/15

Left Out: 61.809 $\pm$ 0.331 χ^2 /NDF:2689.1/24

Right Out: 110.660 $\pm$ 0.838 χ^2 /NDF: 2514.2/17

Left In: 61.762 $\pm$ 0.330 χ^2 /NDF:2418.2/22

Left: 61.785 $\pm$ 0.234 χ^2 /NDF: 5107.3/47

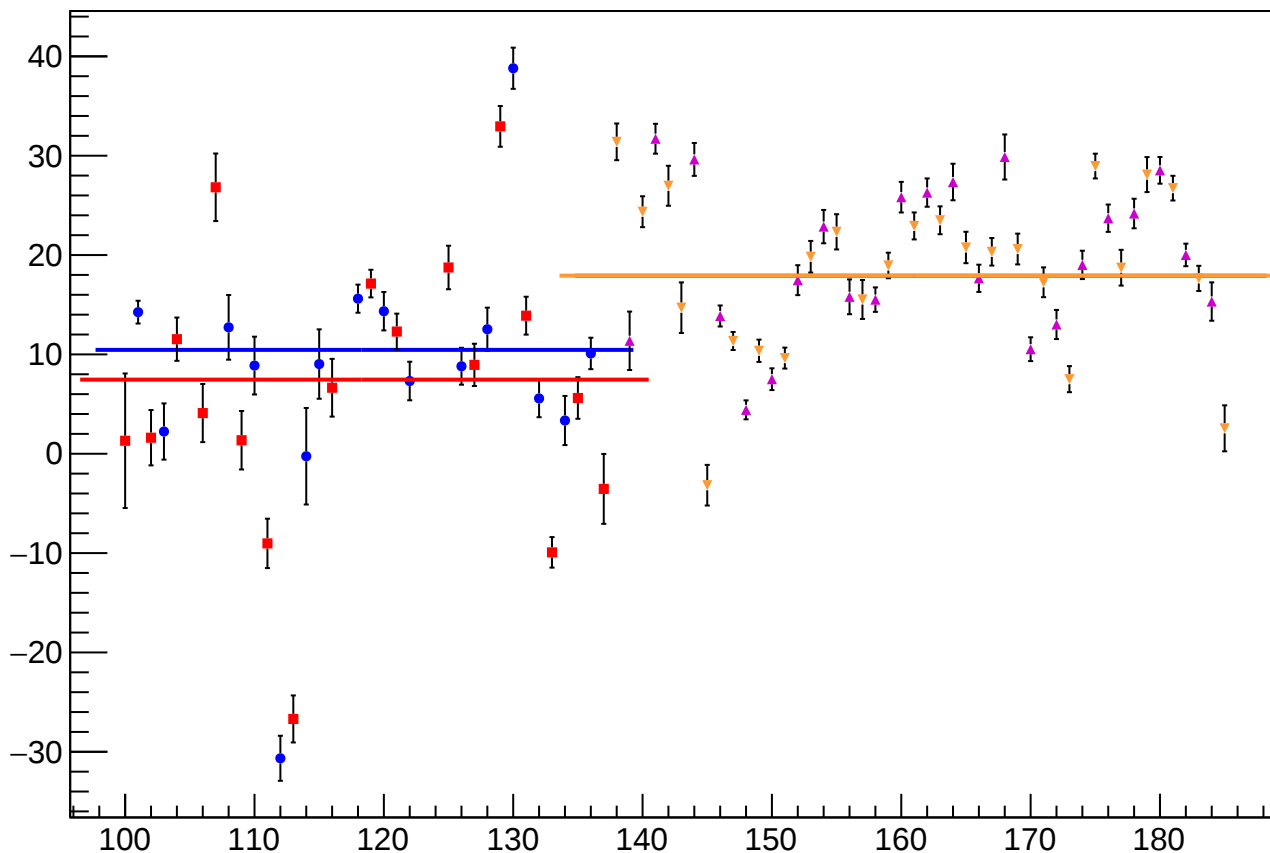
Right: 105.953 $\pm$ 0.584 χ^2 /NDF: 5548.8/33

In: 67.379 $\pm$ 0.306 χ^2 /NDF:7442.1/38

Out: 68.398 $\pm$ 0.308 χ^2 /NDF:8146.8/42

All: 67.886 $\pm$ 0.217 χ^2 /NDF: 15594.4/81

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.455 $\pm$ 0.498 χ^2 /NDF: 577.9/15

Left Out: 17.929 $\pm$ 0.289 χ^2 /NDF: 676.1/24

Right Out: 7.460 $\pm$ 0.524 χ^2 /NDF: 686.5/17

Left In: 17.916 $\pm$ 0.292 χ^2 /NDF: 726.5/22

Left: 17.923 $\pm$ 0.206 χ^2 /NDF: 1402.6/47

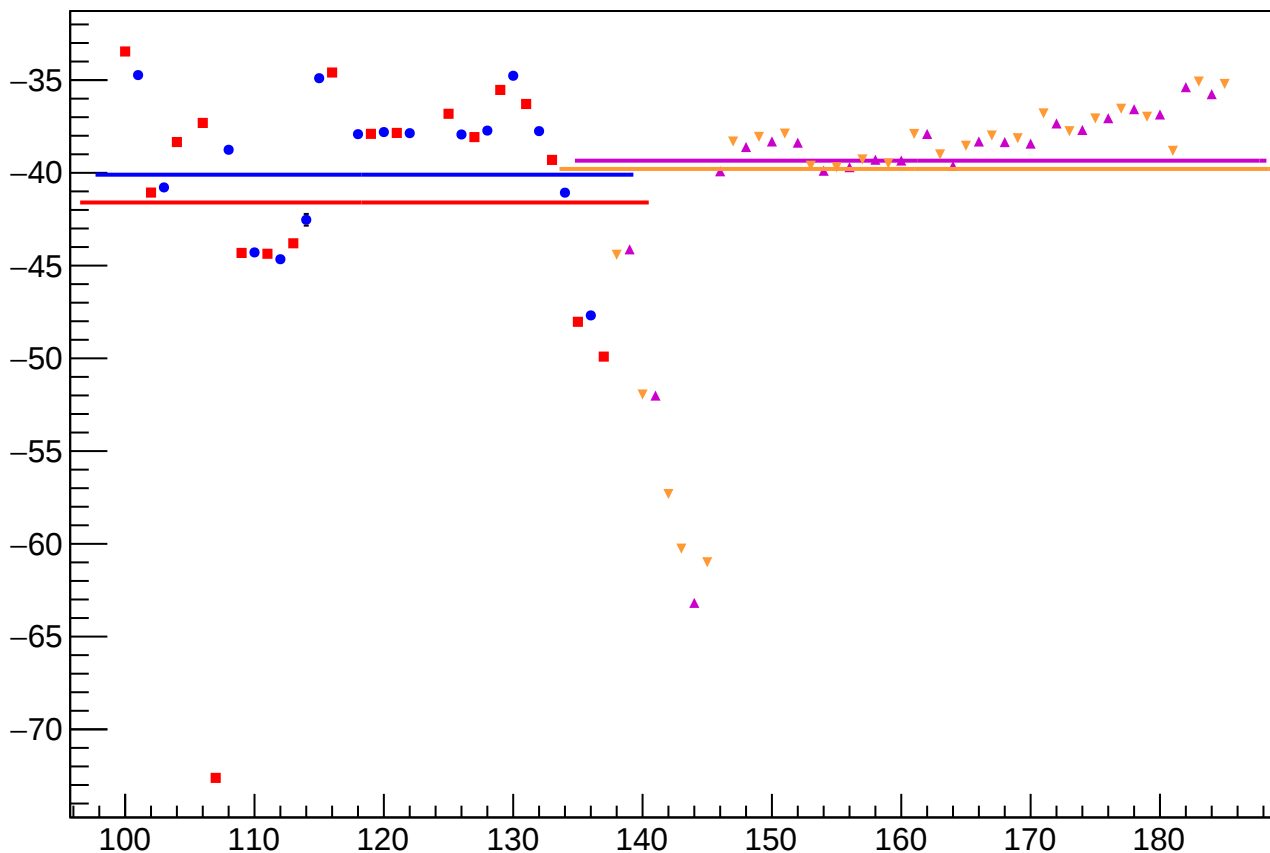
Right: 9.034 $\pm$ 0.361 χ^2 /NDF: 1281.6/33

In: 16.005 $\pm$ 0.252 χ^2 /NDF: 1471.2/38

Out: 15.489 $\pm$ 0.253 χ^2 /NDF: 1668.5/42

All: 15.748 $\pm$ 0.179 χ^2 /NDF: 3141.9/81

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.100 ± 0.028 $\chi^2/\text{NDF}: 25059.4/15$

Left Out: -39.790 ± 0.014 $\chi^2/\text{NDF}: 165429.2/24$

Right Out: -41.598 ± 0.029 $\chi^2/\text{NDF}: 61674.8/17$

Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

Left: -39.566 ± 0.010 $\chi^2/\text{NDF}: 282580.0/47$

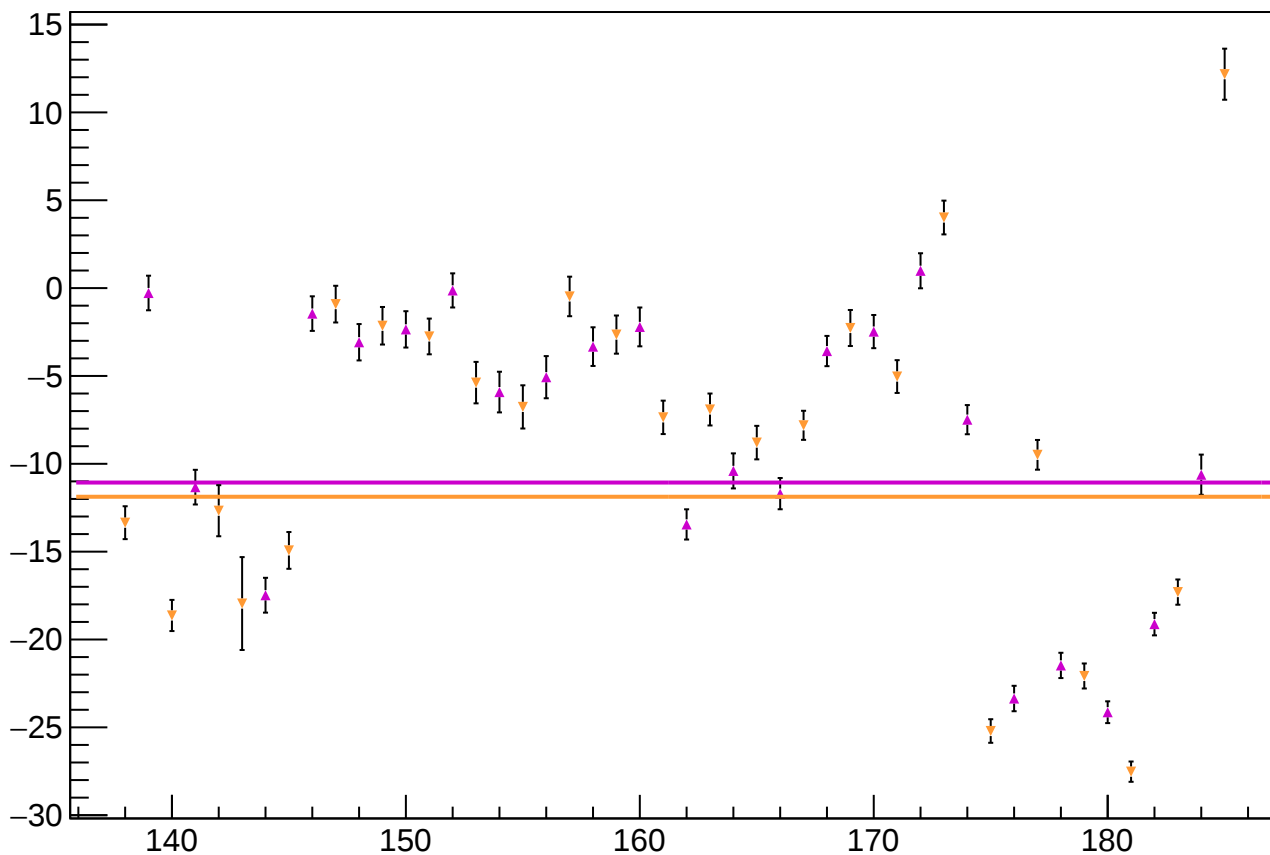
Right: -40.841 ± 0.020 $\chi^2/\text{NDF}: 88118.0/33$

In: -39.485 ± 0.012 $\chi^2/\text{NDF}: 142252.8/38$

Out: -40.125 ± 0.012 $\chi^2/\text{NDF}: 230353.8/42$

All: -39.803 ± 0.009 $\chi^2/\text{NDF}: 373961.9/81$

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



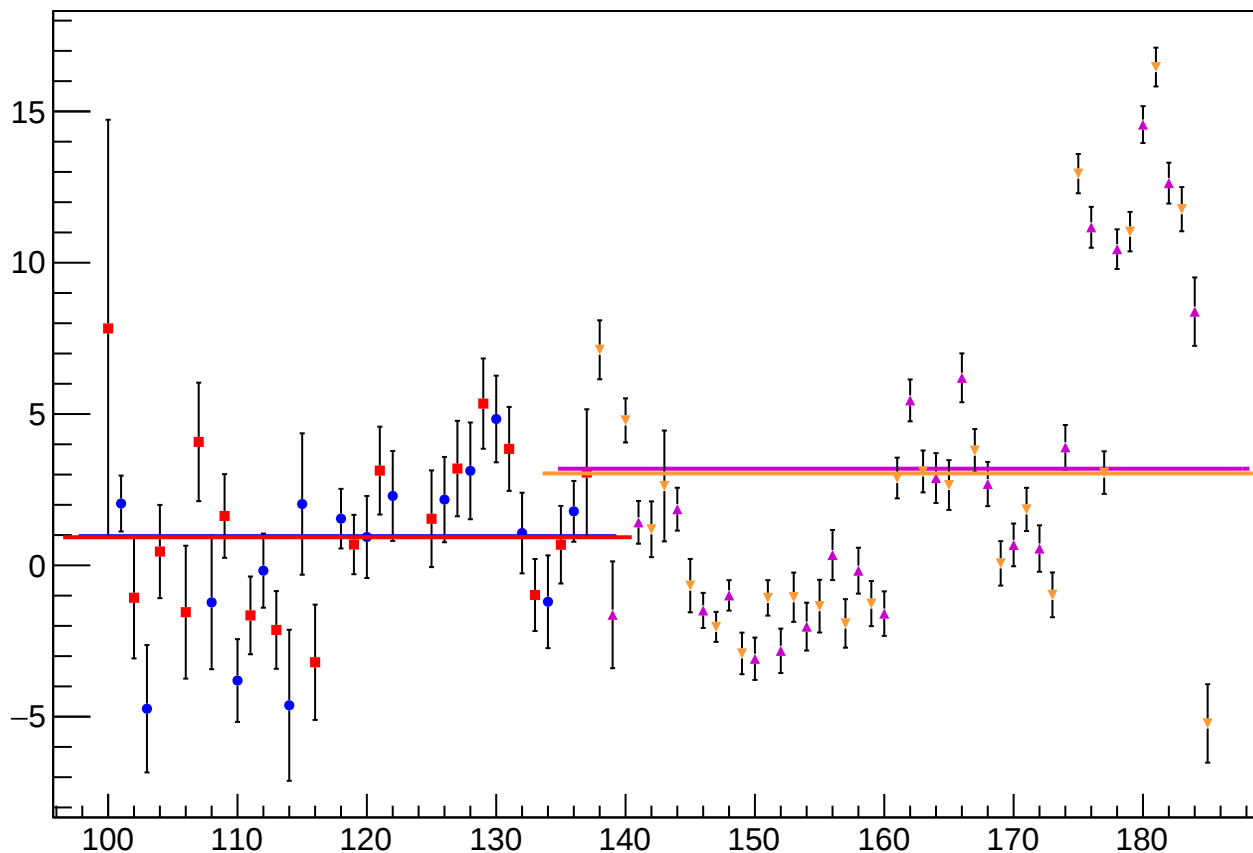
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -11.875 $\pm$ 0.186 χ^2 /NDF:2746.3/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -11.067 $\pm$ 0.188 χ^2 /NDF:2104.8/22

Left: -11.474 $\pm$ 0.132 χ^2 /NDF: 4860.4/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -11.067 $\pm$ 0.188 χ^2 /NDF:2104.8/22
 Out: -11.875 $\pm$ 0.186 χ^2 /NDF:2746.3/24

All: -11.474 $\pm$ 0.132 χ^2 /NDF: 4860.4/47

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.963 ± 0.342 χ^2/NDF : 41.6/15

Left Out: 3.038 ± 0.147 χ^2/NDF : 1452.5/24

Right Out: 0.929 ± 0.354 χ^2/NDF : 42.1/17

Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

Left: 3.115 ± 0.105 χ^2/NDF : 2748.0/47

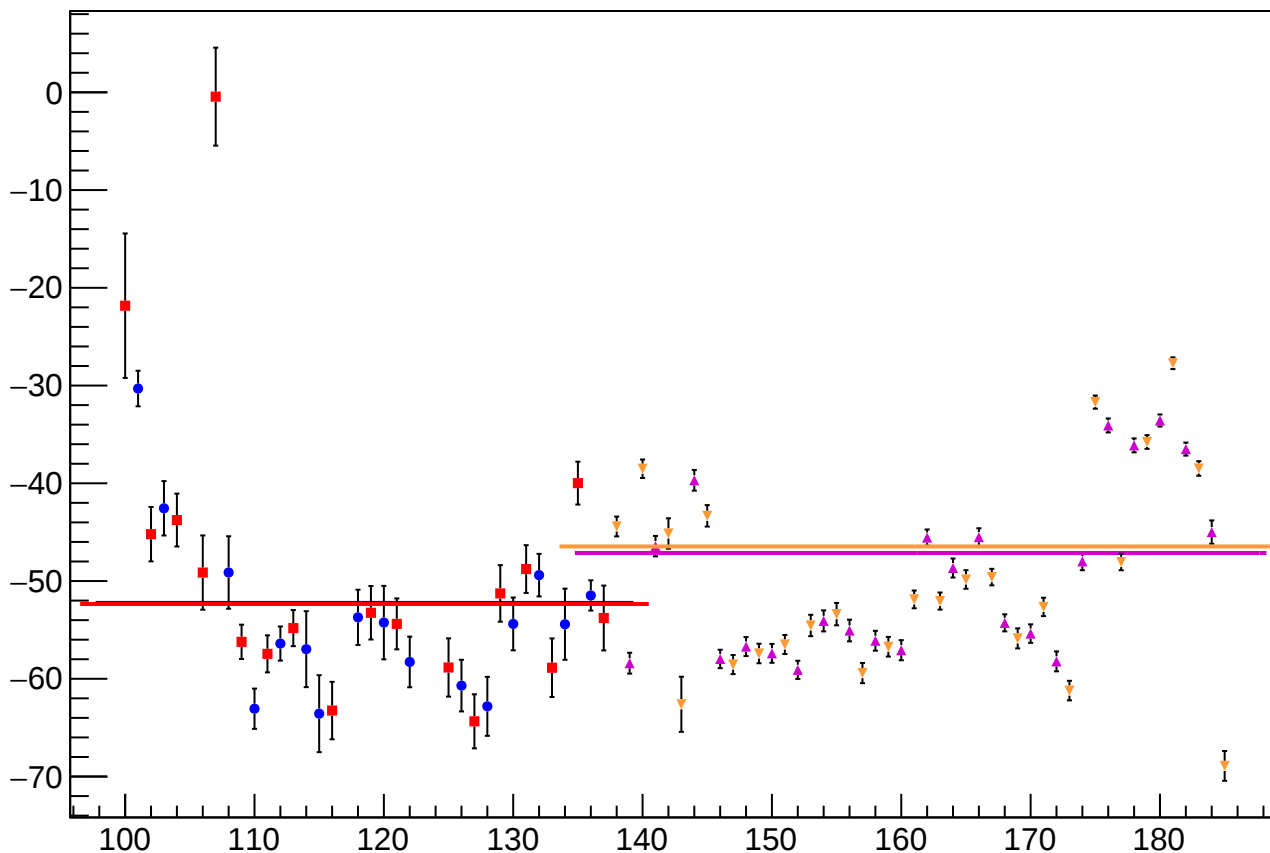
Right: 0.947 ± 0.246 χ^2/NDF : 83.7/33

In: 2.835 ± 0.137 χ^2/NDF : 1372.3/38

Out: 2.726 ± 0.136 χ^2/NDF : 1524.9/42

All: 2.780 ± 0.097 χ^2/NDF : 2897.5/81

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.238 ± 0.616 $\chi^2/\text{NDF}: 232.7/15$

Left Out: -46.461 ± 0.186 $\chi^2/\text{NDF}: 3321.2/24$

Right Out: -52.347 ± 0.617 $\chi^2/\text{NDF}: 232.8/17$

Left In: -47.128 ± 0.187 $\chi^2/\text{NDF}: 2516.0/22$

Left: -46.793 ± 0.132 $\chi^2/\text{NDF}: 5843.6/47$

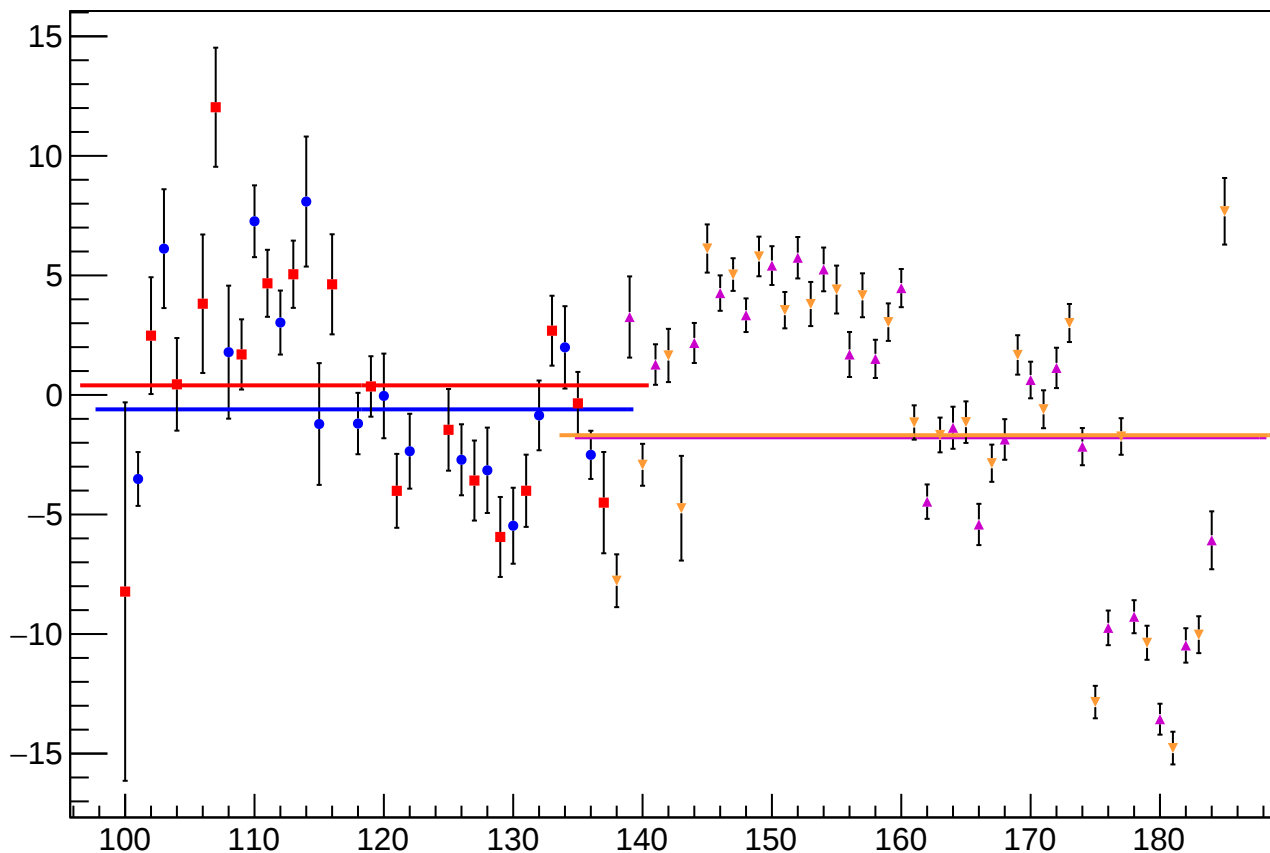
Right: -52.293 ± 0.436 $\chi^2/\text{NDF}: 465.5/33$

In: -47.560 ± 0.179 $\chi^2/\text{NDF}: 2811.8/38$

Out: -46.953 ± 0.178 $\chi^2/\text{NDF}: 3637.4/42$

All: -47.255 ± 0.126 $\chi^2/\text{NDF}: 6455.0/81$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.603 ± 0.388 $\chi^2/\text{NDF}: 80.7/15$

Left Out: -1.685 ± 0.167 $\chi^2/\text{NDF}: 1481.2/24$

Right Out: 0.401 ± 0.400 $\chi^2/\text{NDF}: 96.2/17$

Left In: -1.771 ± 0.169 $\chi^2/\text{NDF}: 1251.3/22$

Left: -1.727 ± 0.119 $\chi^2/\text{NDF}: 2732.6/47$

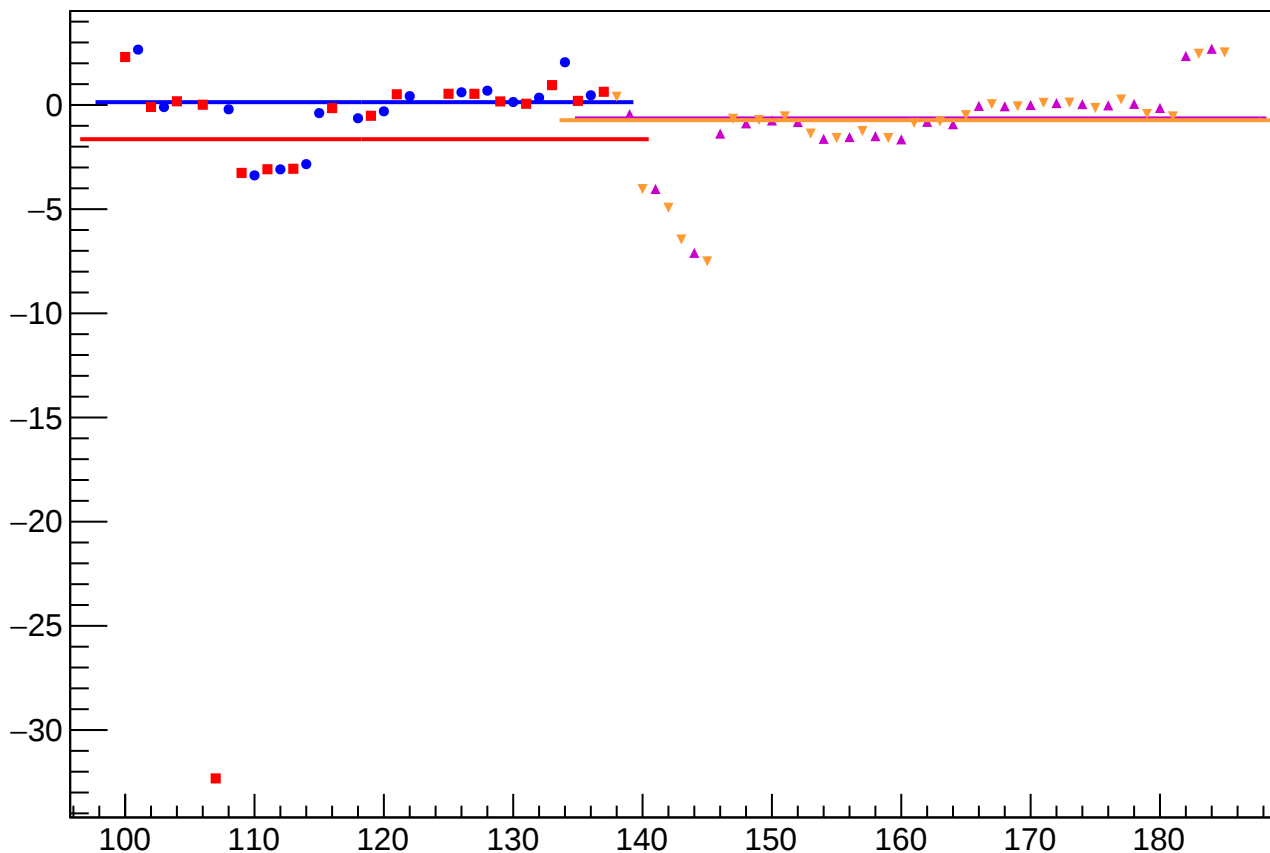
Right: -0.117 ± 0.278 $\chi^2/\text{NDF}: 180.1/33$

In: -1.585 ± 0.155 $\chi^2/\text{NDF}: 1339.6/38$

Out: -1.377 ± 0.154 $\chi^2/\text{NDF}: 1600.5/42$

All: -1.480 ± 0.109 $\chi^2/\text{NDF}: 2941.0/81$

reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.135 ± 0.022 $\chi^2/\text{NDF}: 5228.3/15$
 Left Out: -0.729 ± 0.008 $\chi^2/\text{NDF}: 56329.7/24$
 Right Out: -1.642 ± 0.022 $\chi^2/\text{NDF}: 77830.5/17$
 Left In: -0.644 ± 0.008 $\chi^2/\text{NDF}: 44169.2/22$

Left: -0.687 ± 0.005 $\chi^2/\text{NDF}: 100561.1/47$

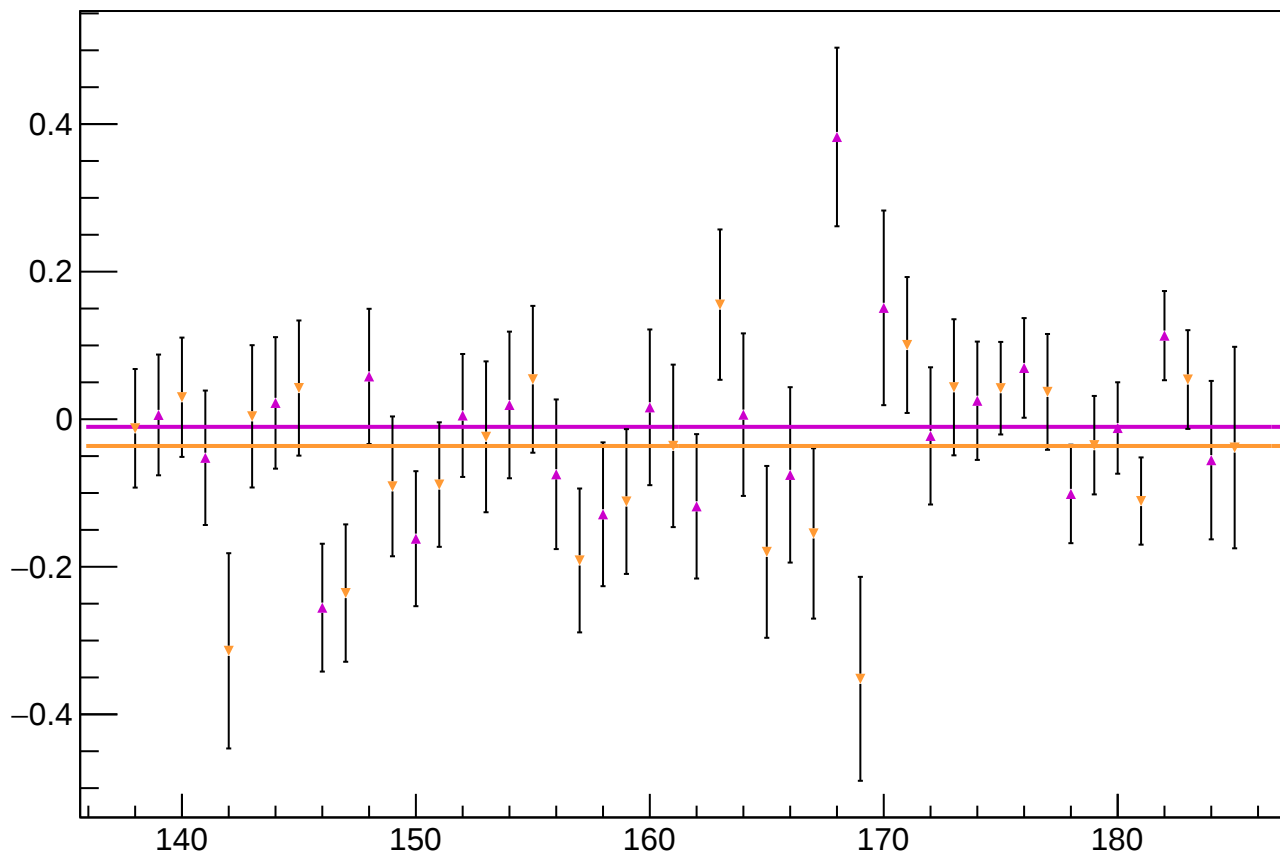
Right: -0.742 ± 0.015 $\chi^2/\text{NDF}: 86404.6/33$

In: -0.557 ± 0.007 $\chi^2/\text{NDF}: 50552.9/38$

Out: -0.828 ± 0.007 $\chi^2/\text{NDF}: 135715.0/42$

All: -0.693 ± 0.005 $\chi^2/\text{NDF}: 186977.4/81$

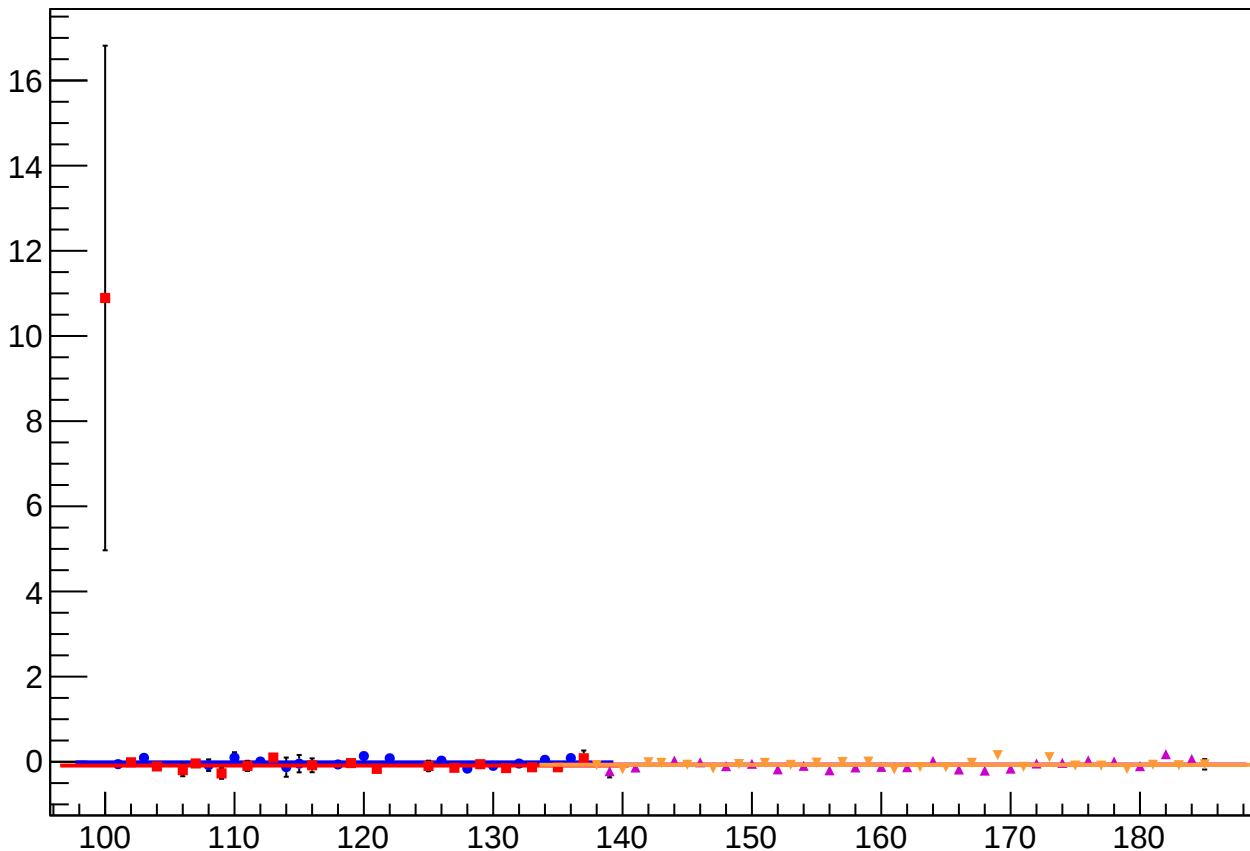
reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.036 $\pm$ 0.018 χ^2 /NDF:35.4/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.010 $\pm$ 0.018 χ^2 /NDF:35.1/22

Left: -0.024 $\pm$ 0.013 χ^2 /NDF: 71.6/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.010 $\pm$ 0.018 χ^2 /NDF:35.1/22
 Out: -0.036 $\pm$ 0.018 χ^2 /NDF:35.4/24
 All: -0.024 $\pm$ 0.013 χ^2 /NDF: 71.6/47

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 12.0/15

Left Out: -0.071 ± 0.014 χ^2/NDF : 28.3/24

Right Out: -0.088 ± 0.025 χ^2/NDF : 12.9/17

Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

Left: -0.068 ± 0.010 χ^2/NDF : 69.5/47

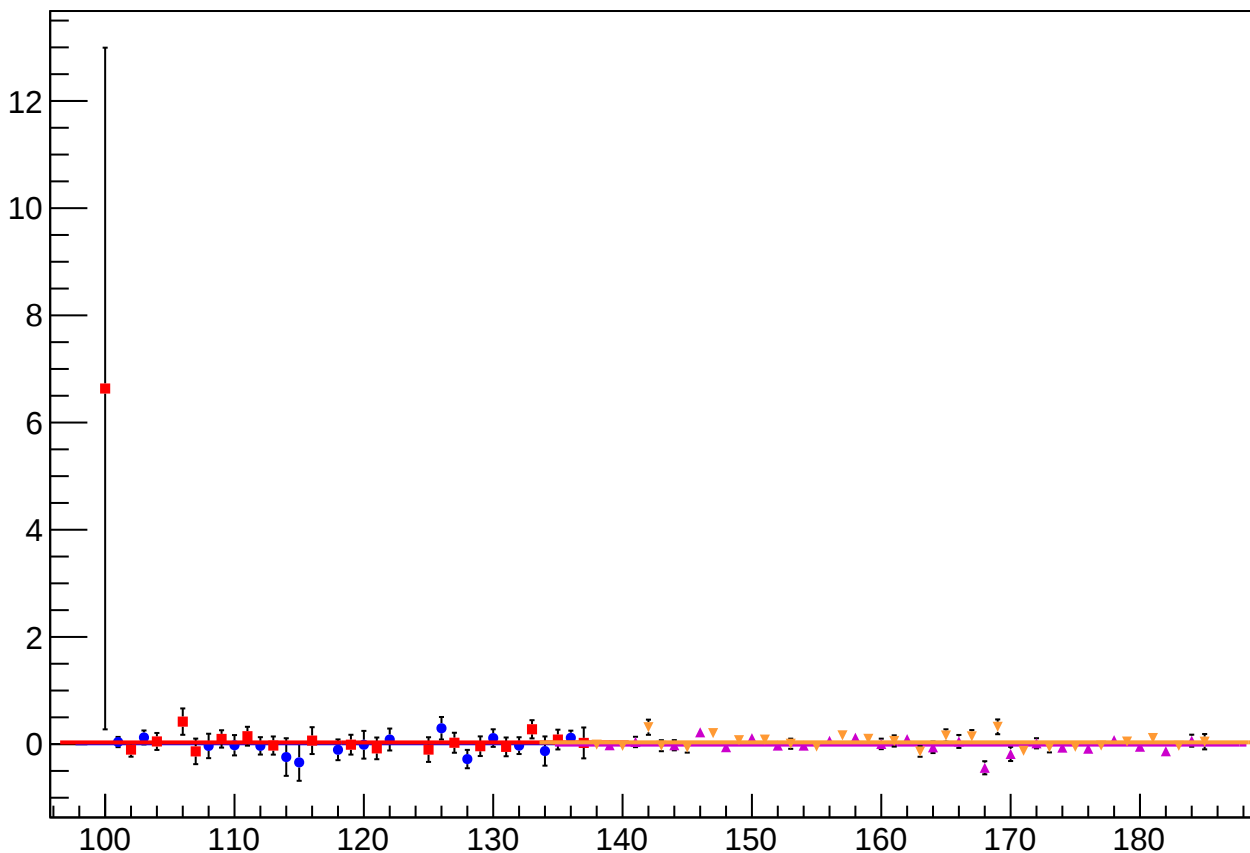
Right: -0.049 ± 0.017 χ^2/NDF : 29.7/33

In: -0.050 ± 0.012 χ^2/NDF : 56.5/38

Out: -0.075 ± 0.012 χ^2/NDF : 41.6/42

All: -0.063 ± 0.009 χ^2/NDF : 100.1/81

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.016+/-0.043 χ^2/NDF : 9.1/15

Left Out: 0.033+/-0.018 χ^2/NDF : 32.5/24

Right Out: 0.032+/-0.045 χ^2/NDF : 9.1/17

Left In: -0.009+/-0.018 χ^2/NDF : 36.8/22

Left: 0.013+/-0.013 χ^2/NDF : 72.1/47

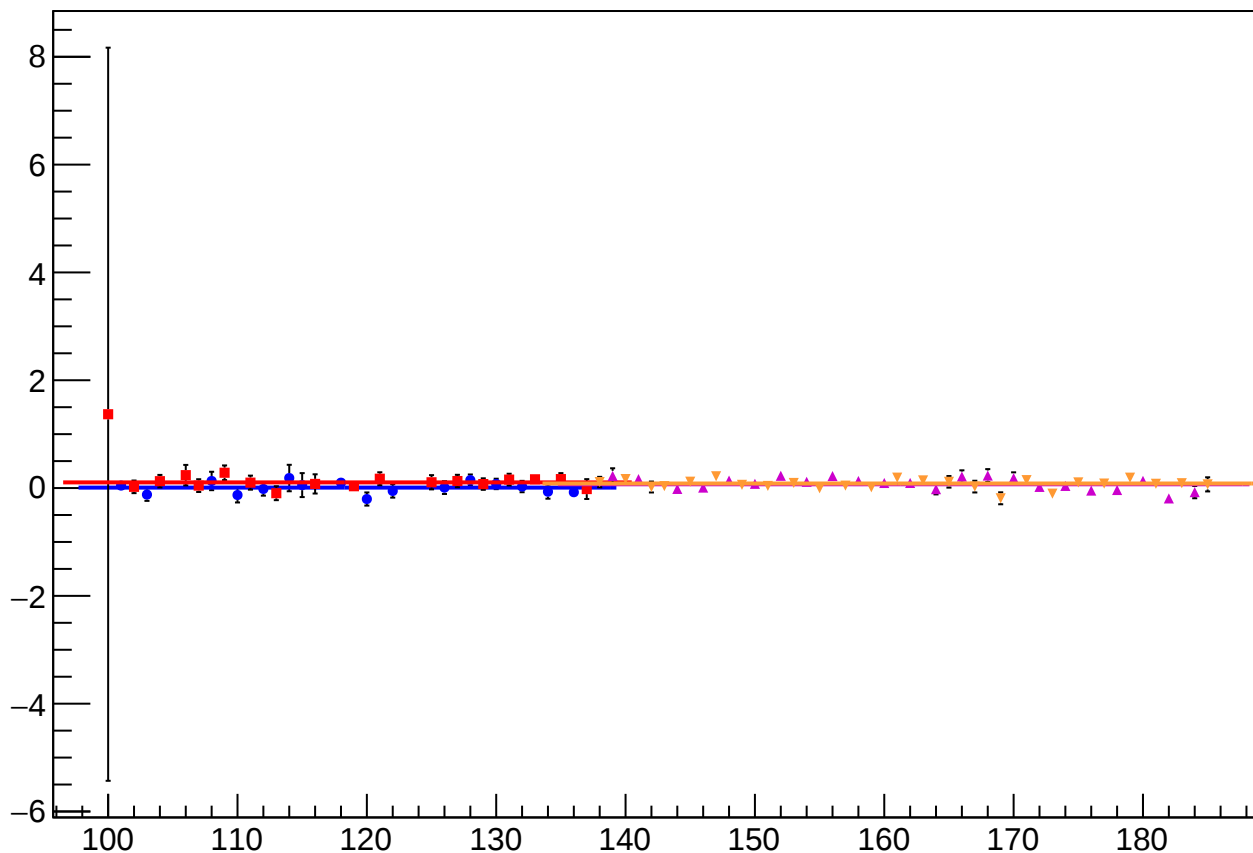
Right: 0.024+/-0.031 χ^2/NDF : 18.2/33

In: -0.005+/-0.017 χ^2/NDF : 46.2/38

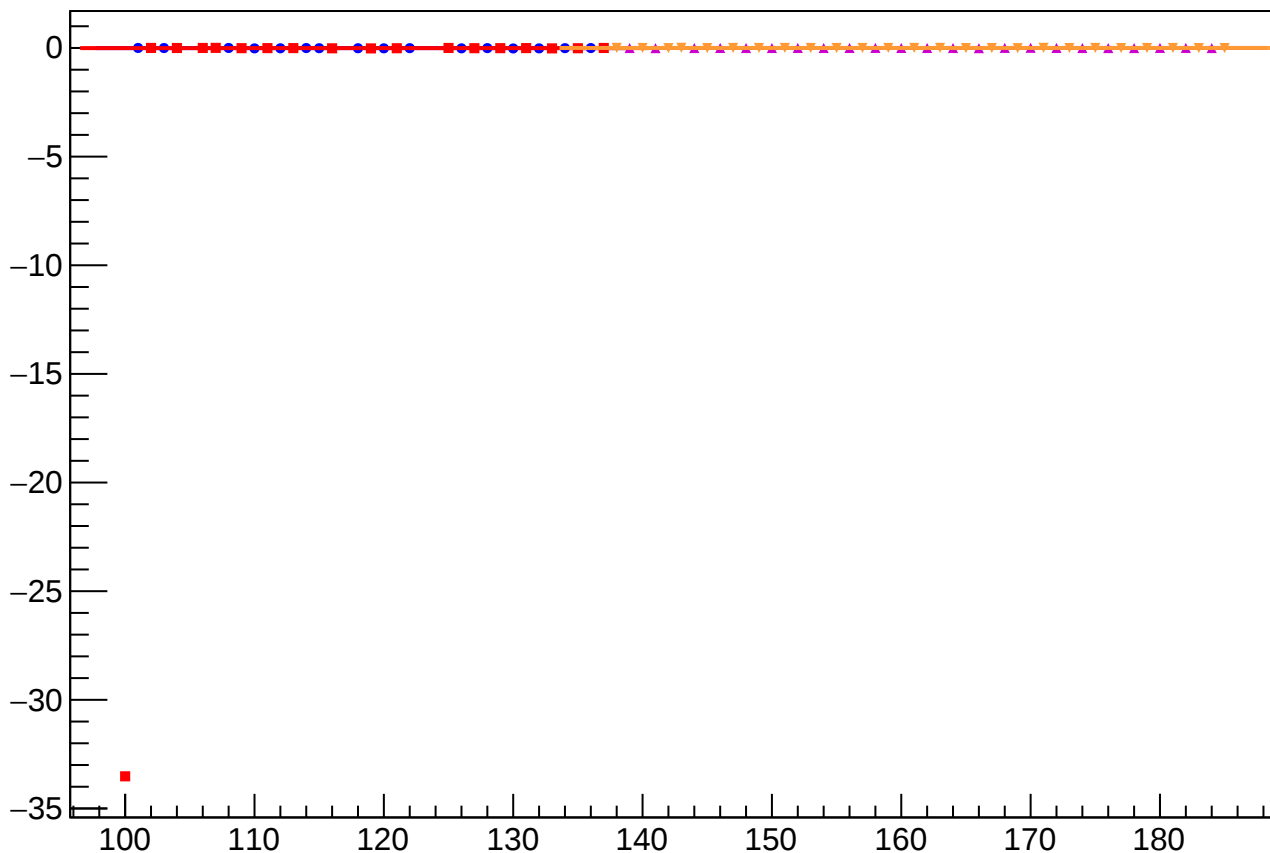
Out: 0.033+/-0.016 χ^2/NDF : 41.5/42

All: 0.014+/-0.012 χ^2/NDF : 90.5/81

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 21.5/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 26.4/24

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.9/17

Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

Left: 0.000 ± 0.001 χ^2/NDF : 48.9/47

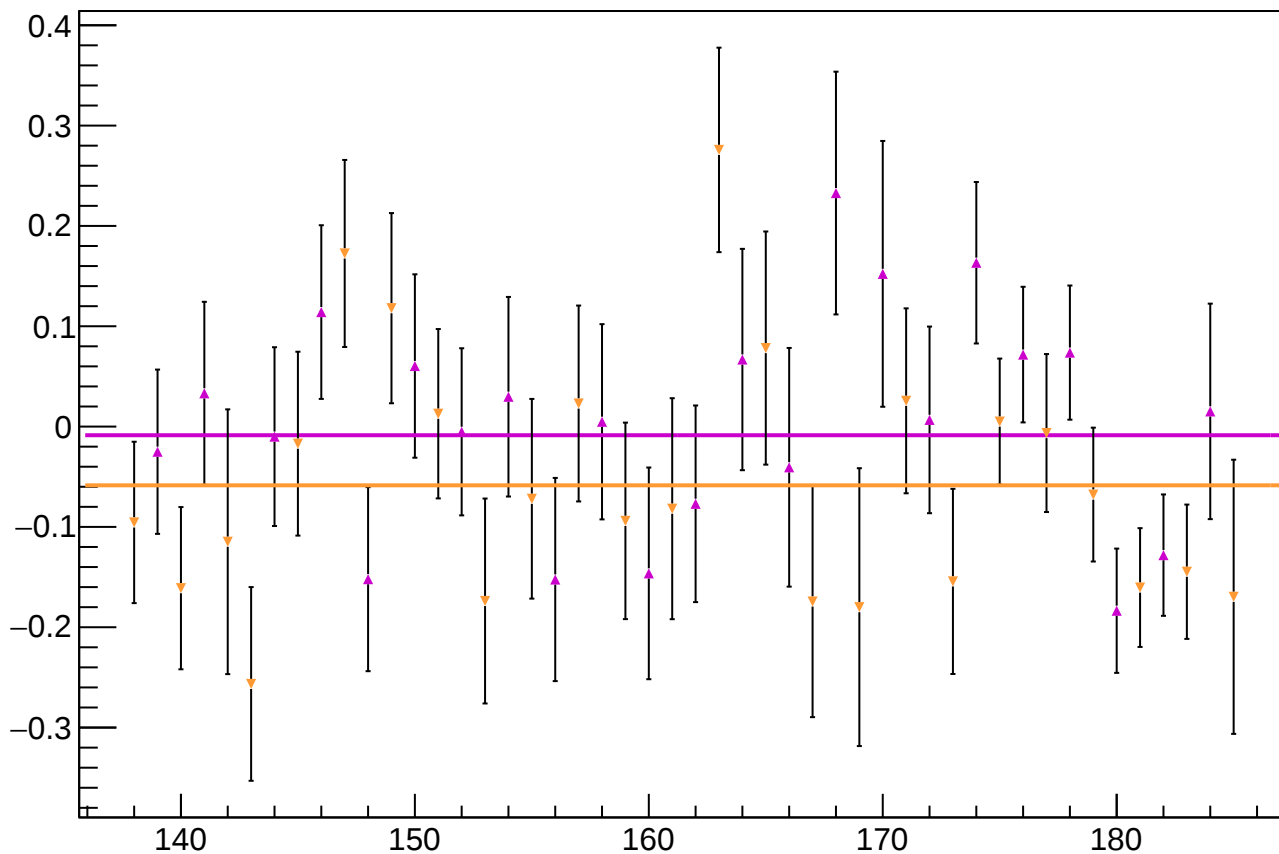
Right: -0.006 ± 0.001 χ^2/NDF : 26530.5/33

In: -0.001 ± 0.001 χ^2/NDF : 55.5/38

Out: -0.001 ± 0.001 χ^2/NDF : 26551.5/42

All: -0.001 ± 0.000 χ^2/NDF : 26607.2/81

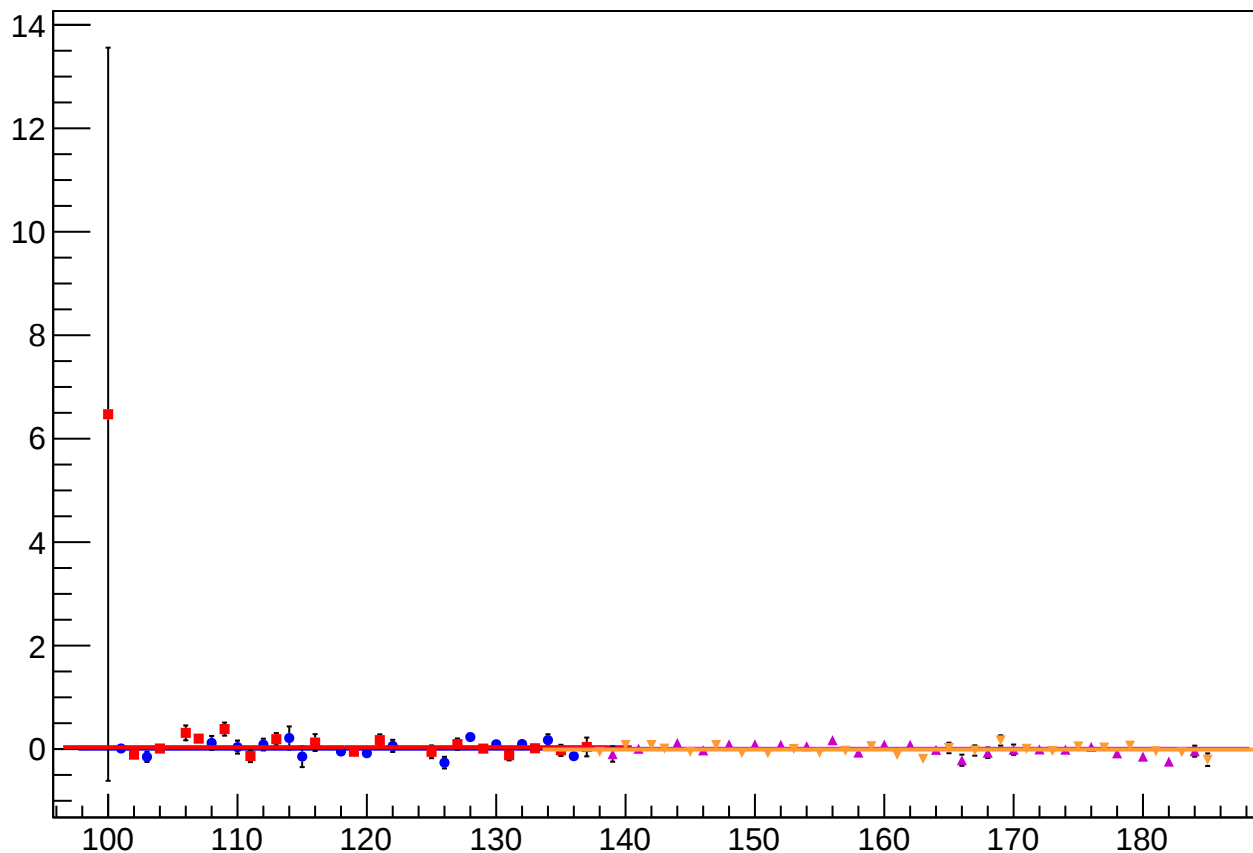
reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.059 $\pm$ 0.018 χ^2 /NDF:41.5/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.009 $\pm$ 0.018 χ^2 /NDF:35.1/22

Left: -0.034 $\pm$ 0.013 χ^2 /NDF: 80.5/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.009 $\pm$ 0.018 χ^2 /NDF:35.1/22
 Out: -0.059 $\pm$ 0.018 χ^2 /NDF:41.5/24
 All: -0.034 $\pm$ 0.013 χ^2 /NDF: 80.5/47

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.008+/-0.023 χ^2/NDF : 25.1/15

Left Out: -0.010+/-0.014 χ^2/NDF : 29.6/24

Right Out: 0.037+/-0.025 χ^2/NDF : 28.7/17

Left In: 0.005+/-0.014 χ^2/NDF : 49.6/22

Left: -0.003+/-0.010 χ^2/NDF : 79.6/47

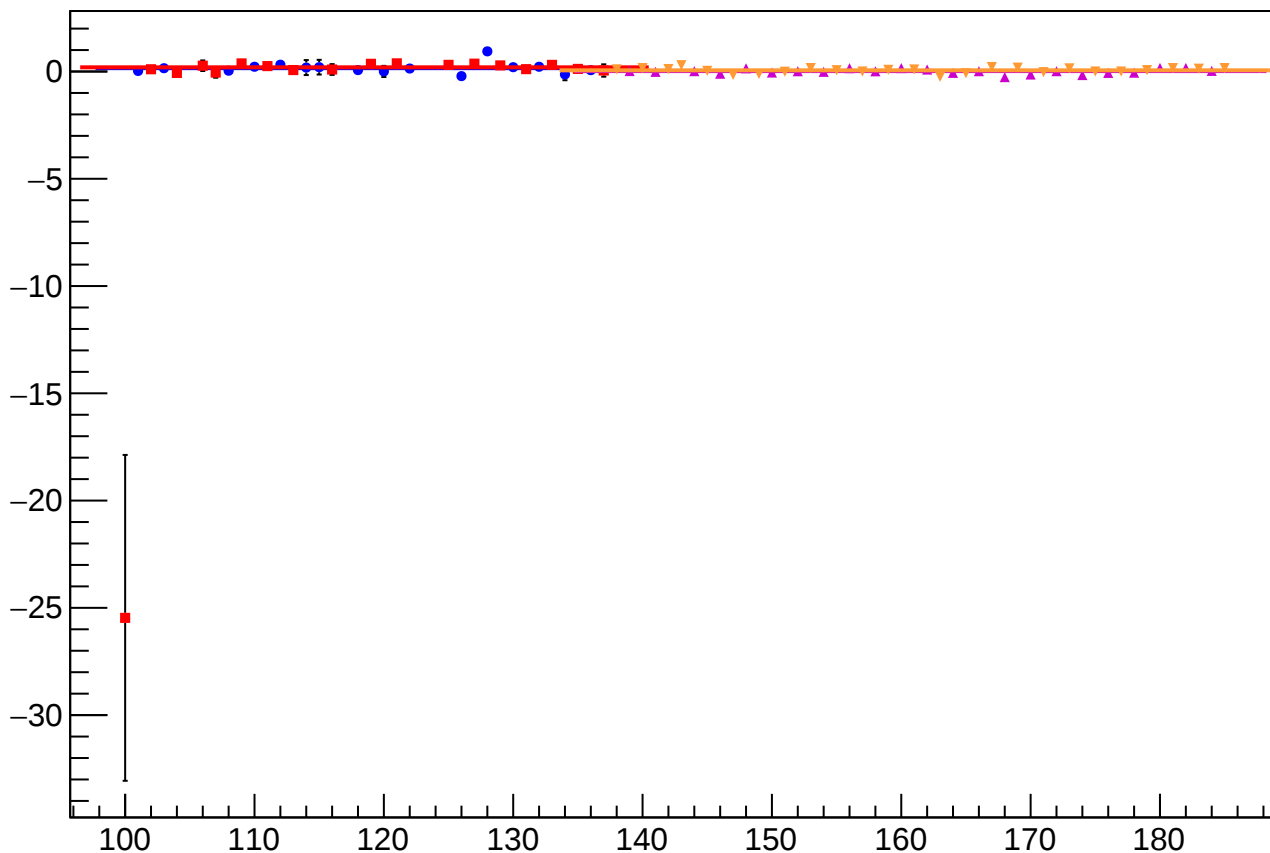
Right: 0.021+/-0.017 χ^2/NDF : 54.6/33

In: 0.006+/-0.012 χ^2/NDF : 74.7/38

Out: 0.001+/-0.012 χ^2/NDF : 60.9/42

All: 0.003+/-0.009 χ^2/NDF : 135.7/81

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.157 $\pm$ 0.043 χ^2 /NDF: 29.7/15

Left Out: 0.055 $\pm$ 0.018 χ^2 /NDF:40.8/24

Right Out: 0.195 $\pm$ 0.045 χ^2 /NDF: 22.0/17

Left In: 0.020 $\pm$ 0.018 χ^2 /NDF:35.8/22

Left: 0.038 $\pm$ 0.013 χ^2 /NDF: 78.6/47

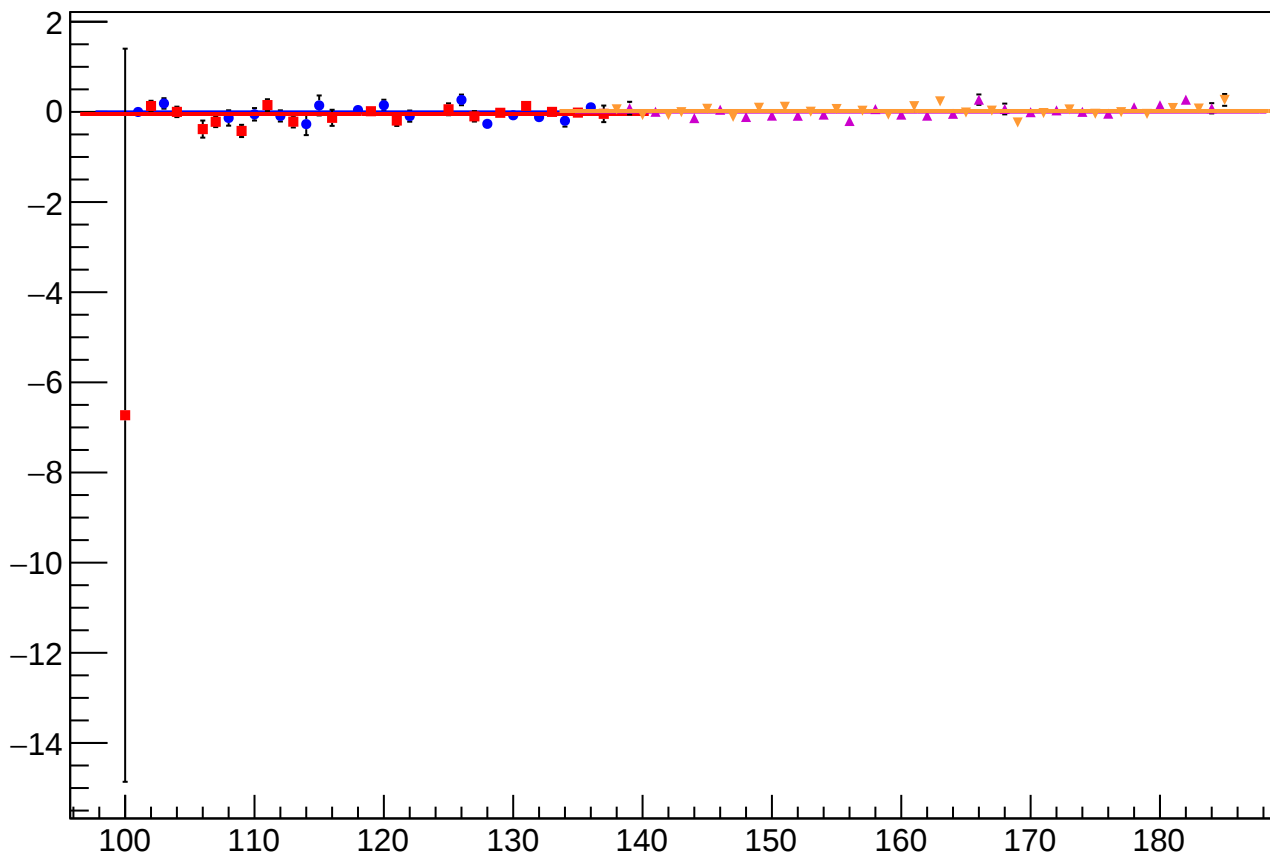
Right: 0.175 $\pm$ 0.031 χ^2 /NDF: 52.1/33

In: 0.040 $\pm$ 0.017 χ^2 /NDF:74.1/38

Out: 0.074 $\pm$ 0.016 χ^2 /NDF:71.2/42

All: 0.057 $\pm$ 0.012 χ^2 /NDF: 147.3/81

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.010 ± 0.027 $\chi^2/\text{NDF}: 24.6/15$

Left Out: 0.020 ± 0.016 $\chi^2/\text{NDF}: 33.3/24$

Right Out: -0.046 ± 0.029 $\chi^2/\text{NDF}: 26.3/17$

Left In: 0.006 ± 0.016 $\chi^2/\text{NDF}: 50.1/22$

Left: 0.013 ± 0.011 $\chi^2/\text{NDF}: 83.8/47$

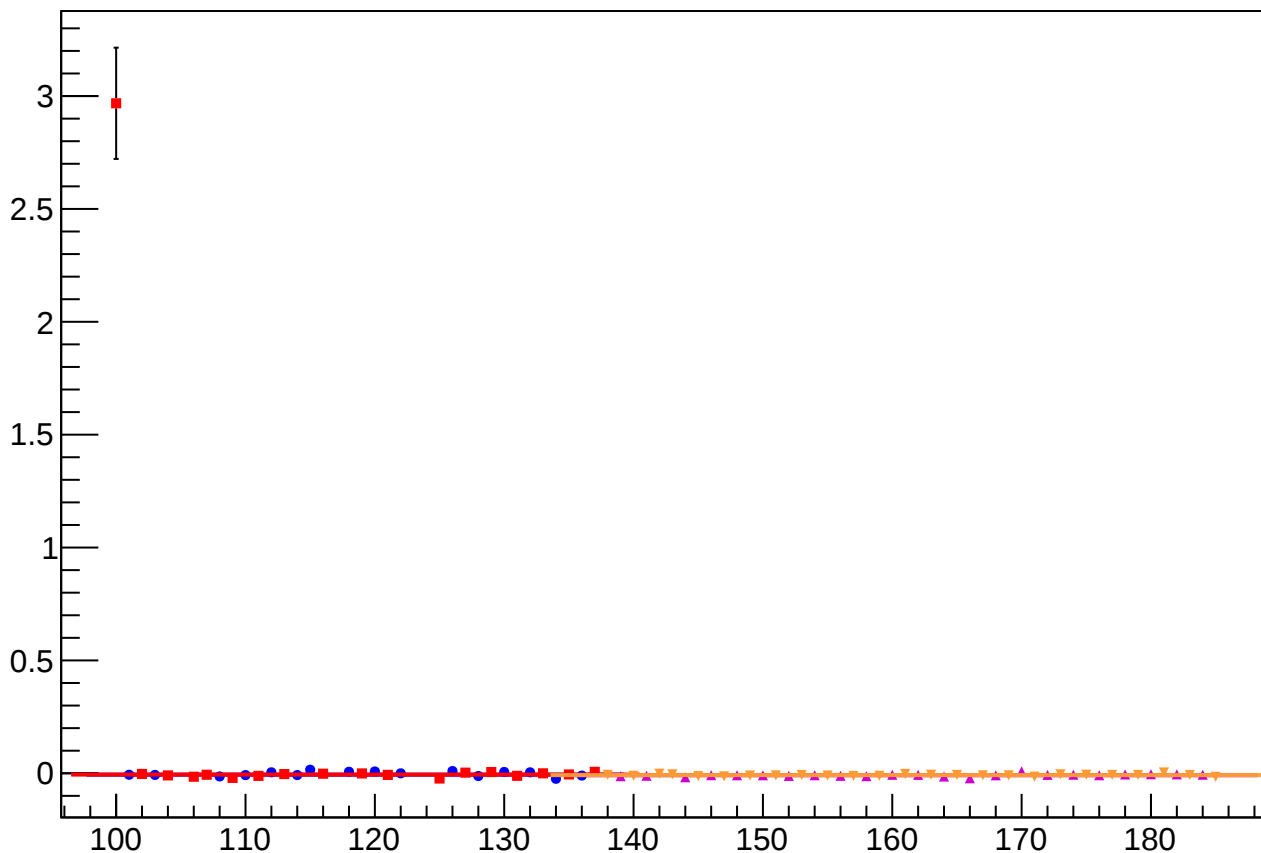
Right: -0.027 ± 0.020 $\chi^2/\text{NDF}: 51.7/33$

In: 0.002 ± 0.014 $\chi^2/\text{NDF}: 75.0/38$

Out: 0.005 ± 0.014 $\chi^2/\text{NDF}: 63.7/42$

All: 0.003 ± 0.010 $\chi^2/\text{NDF}: 138.7/81$

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 $\pm$ 0.001 χ^2 /NDF: 27.4/15

Left Out: -0.008 $\pm$ 0.001 χ^2 /NDF:32.7/24

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 165.3/17

Left In: -0.009 $\pm$ 0.001 χ^2 /NDF:37.2/22

Left: -0.008 $\pm$ 0.001 χ^2 /NDF: 70.2/47

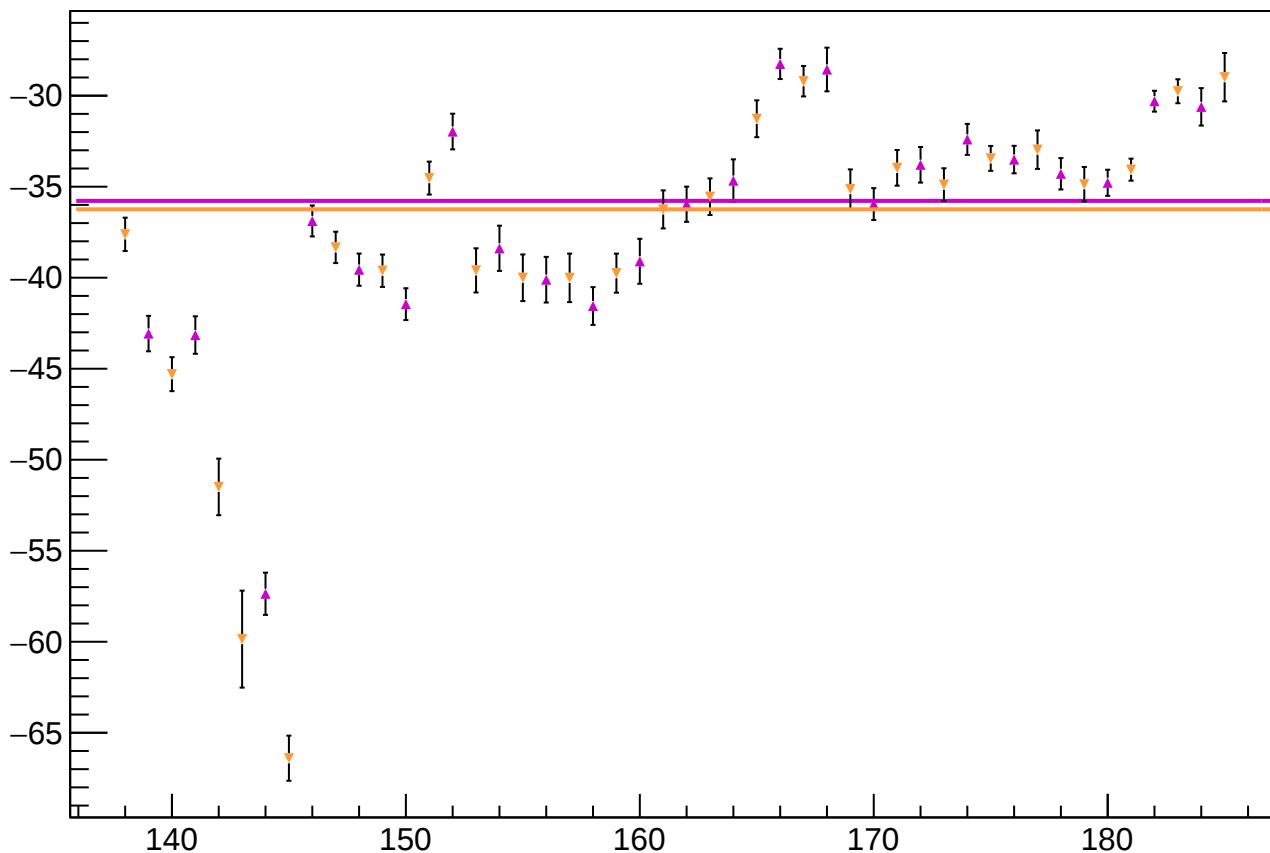
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 192.7/33

In: -0.008 $\pm$ 0.001 χ^2 /NDF:67.2/38

Out: -0.008 $\pm$ 0.001 χ^2 /NDF:199.8/42

All: -0.008 $\pm$ 0.000 χ^2 /NDF: 267.3/81

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -36.243+/-0.191 χ^2/NDF :1194.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -35.779+/-0.191 χ^2/NDF :854.1/22

Left: -36.011+/-0.135 χ^2/NDF : 2051.6/47

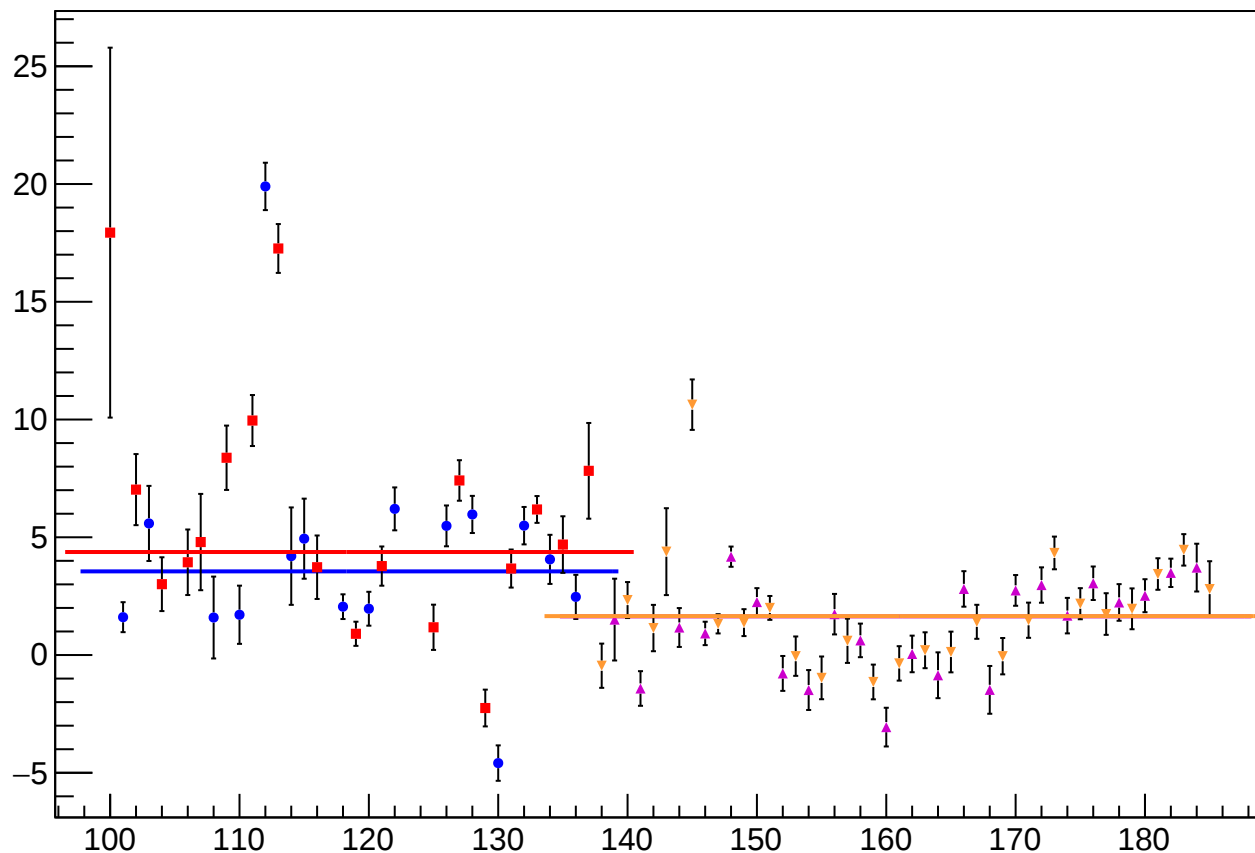
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -35.779+/-0.191 χ^2/NDF :854.1/22

Out: -36.243+/-0.191 χ^2/NDF :1194.6/24

All: -36.011+/-0.135 χ^2/NDF : 2051.6/47

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.552 $\pm$ 0.221 χ^2 /NDF: 439.9/15

Left Out: 1.652 $\pm$ 0.147 χ^2 /NDF:168.8/24

Right Out: 4.374 $\pm$ 0.225 χ^2 /NDF: 353.1/17

Left In: 1.641 $\pm$ 0.150 χ^2 /NDF:163.2/22

Left: 1.647 $\pm$ 0.105 χ^2 /NDF: 332.0/47

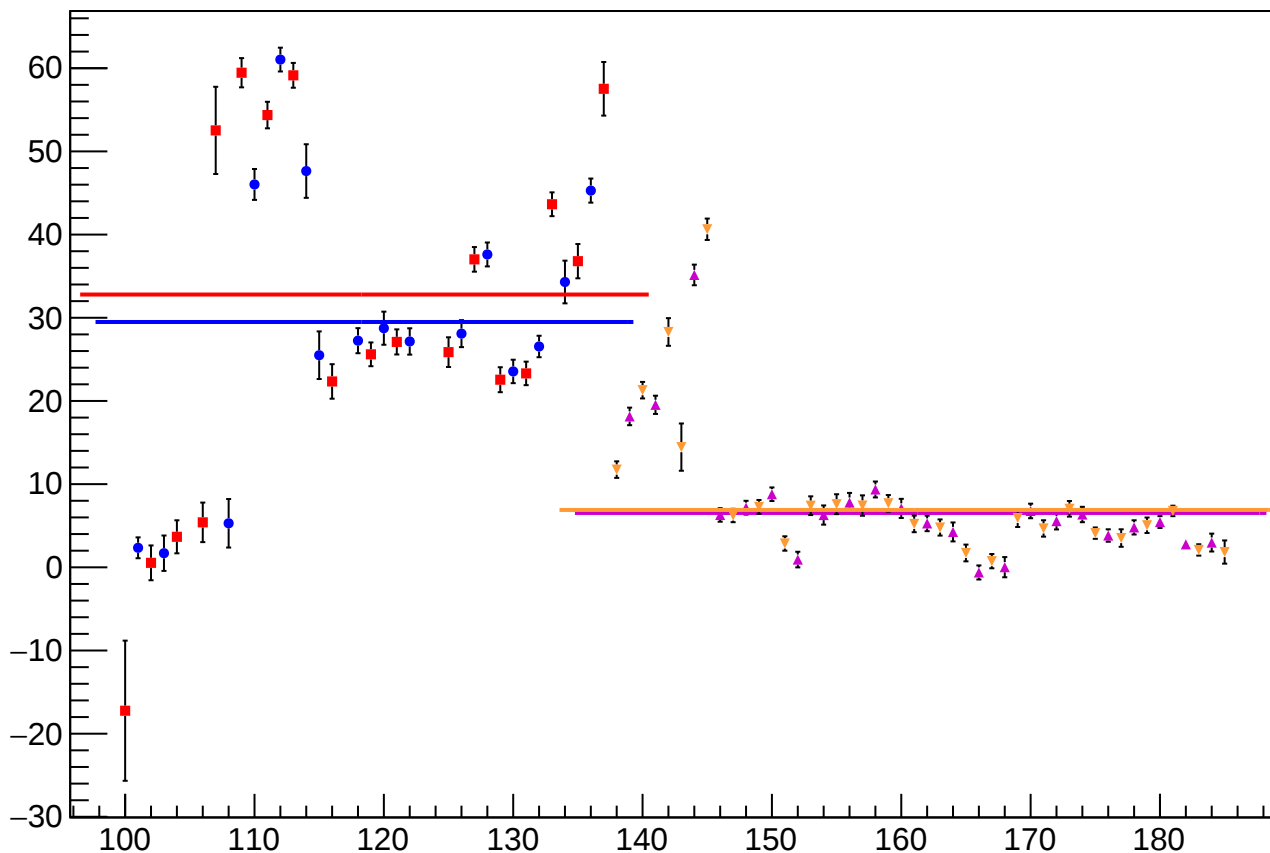
Right: 3.955 $\pm$ 0.158 χ^2 /NDF: 799.8/33

In: 2.242 $\pm$ 0.124 χ^2 /NDF:654.5/38

Out: 2.468 $\pm$ 0.123 χ^2 /NDF:624.3/42

All: 2.355 $\pm$ 0.087 χ^2 /NDF: 1280.5/81

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.493 $\pm$ 0.420 χ^2 /NDF: 1489.7/15

Left Out: 6.899 $\pm$ 0.191 χ^2 /NDF:1303.5/24

Right Out: 32.793 $\pm$ 0.424 χ^2 /NDF: 1660.2/17

Left In: 6.537 $\pm$ 0.190 χ^2 /NDF:1025.1/22

Left: 6.717 $\pm$ 0.135 χ^2 /NDF: 2330.4/47

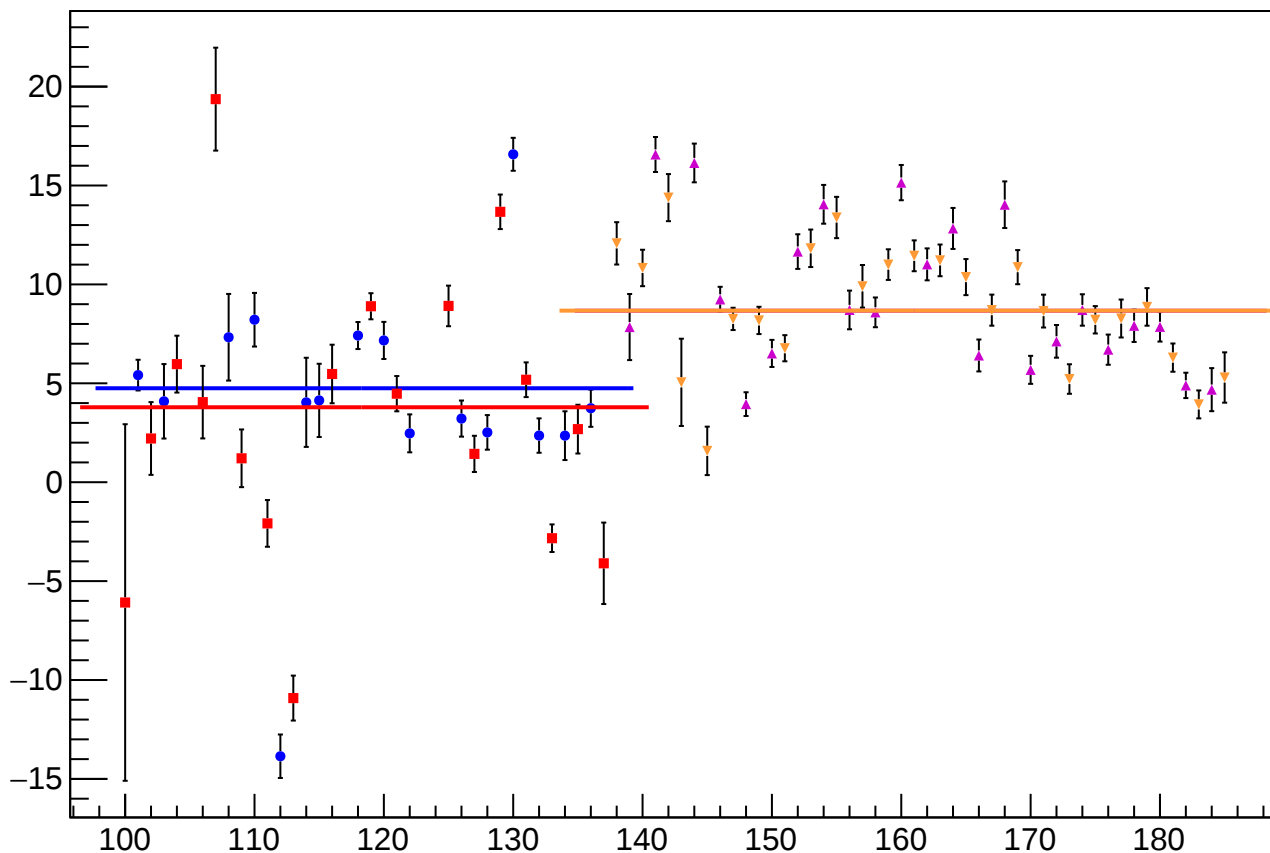
Right: 31.130 $\pm$ 0.298 χ^2 /NDF: 3180.4/33

In: 10.444 $\pm$ 0.173 χ^2 /NDF:4989.8/38

Out: 11.274 $\pm$ 0.174 χ^2 /NDF:6068.9/42

All: 10.857 $\pm$ 0.123 χ^2 /NDF: 11070.1/81

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.750 $\pm$ 0.255 χ^2 /NDF: 546.5/15

Left Out: 8.673 $\pm$ 0.169 χ^2 /NDF:243.8/24

Right Out: 3.789 $\pm$ 0.259 χ^2 /NDF: 564.8/17

Left In: 8.668 $\pm$ 0.170 χ^2 /NDF:436.7/22

Left: 8.671 $\pm$ 0.120 χ^2 /NDF: 680.6/47

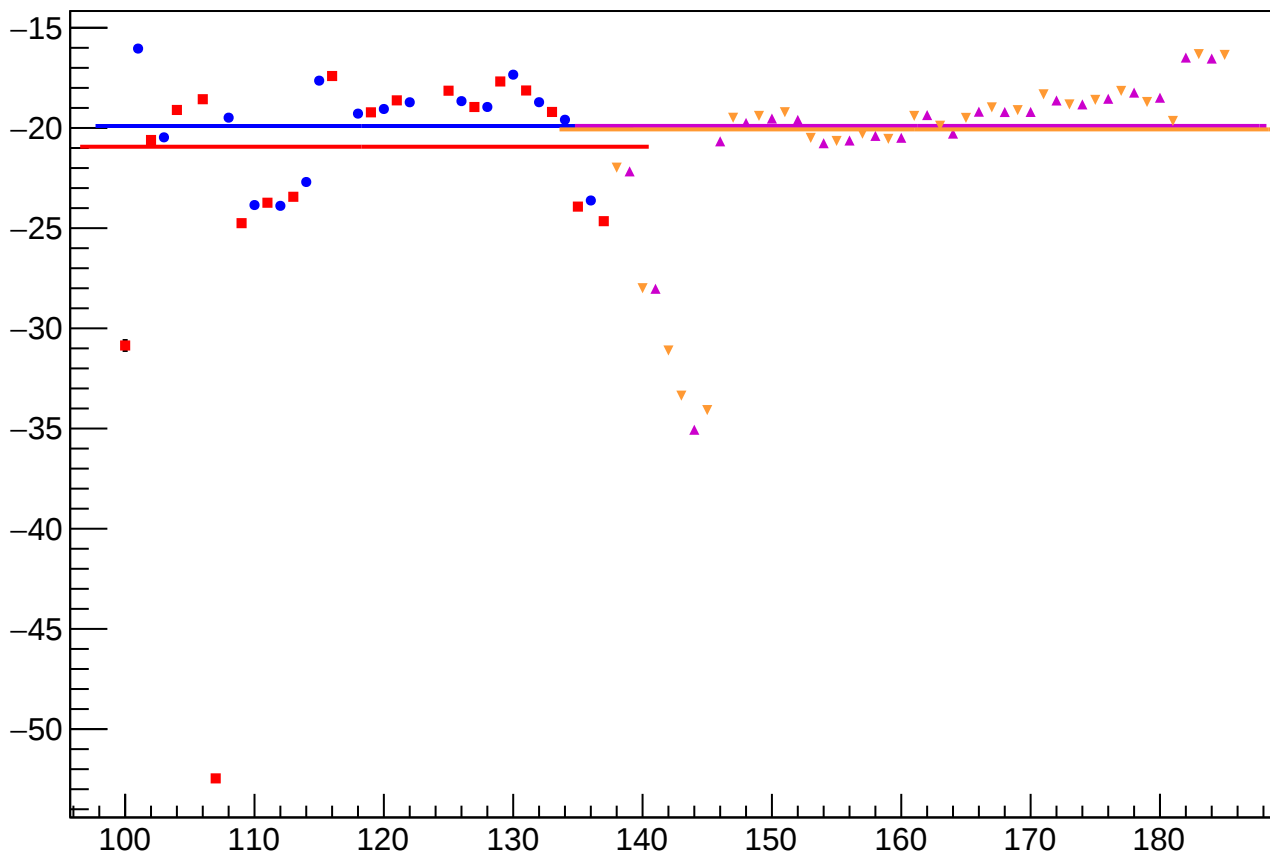
Right: 4.278 $\pm$ 0.182 χ^2 /NDF: 1118.3/33

In: 7.458 $\pm$ 0.141 χ^2 /NDF:1147.0/38

Out: 7.221 $\pm$ 0.141 χ^2 /NDF:1058.5/42

All: 7.339 $\pm$ 0.100 χ^2 /NDF: 2206.9/81

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26019.5/15$

Left Out: -20.071 ± 0.008 $\chi^2/\text{NDF}: 185235.1/24$

Right Out: -20.936 ± 0.016 $\chi^2/\text{NDF}: 93988.8/17$

Left In: -19.898 ± 0.008 $\chi^2/\text{NDF}: 144191.9/22$

Left: -19.984 ± 0.006 $\chi^2/\text{NDF}: 329670.0/47$

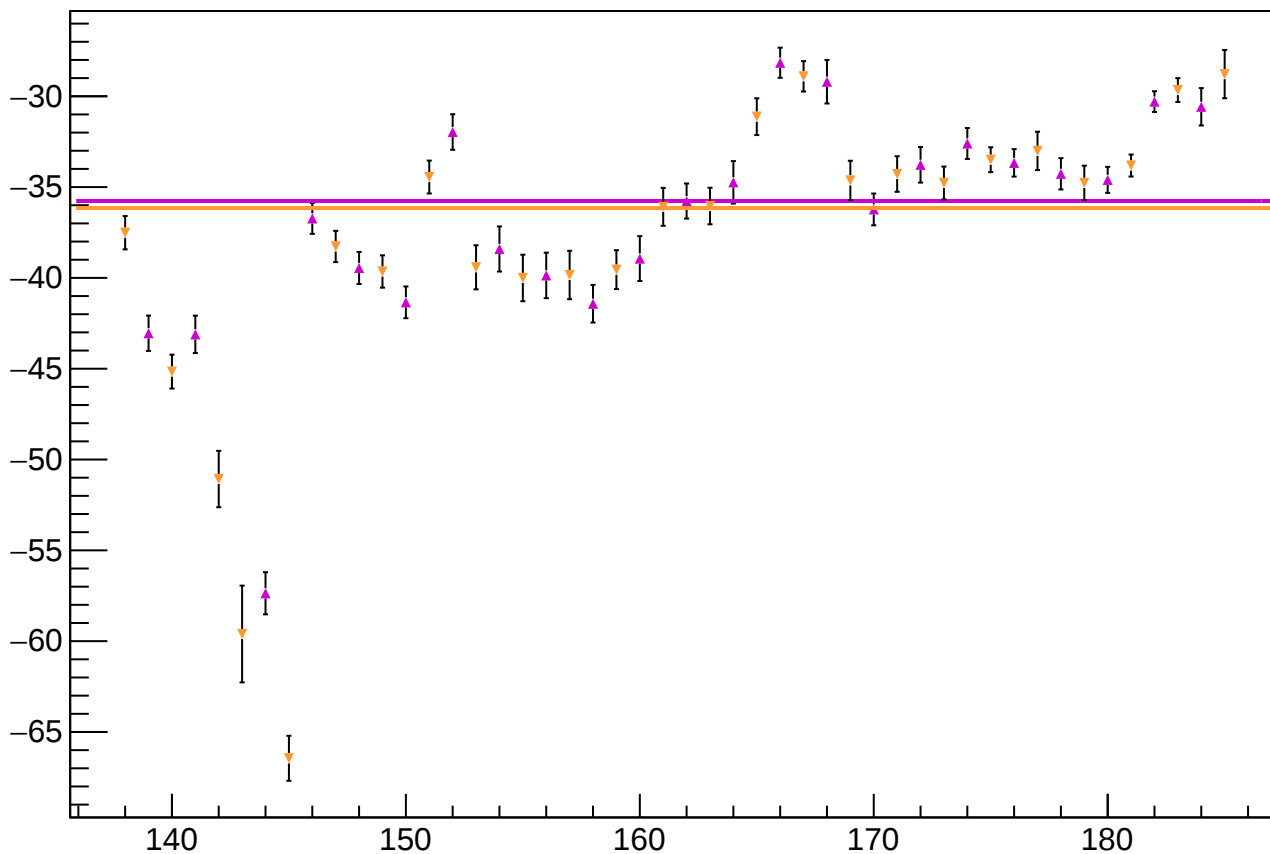
Right: -20.416 ± 0.011 $\chi^2/\text{NDF}: 122177.4/33$

In: -19.899 ± 0.007 $\chi^2/\text{NDF}: 170211.4/38$

Out: -20.244 ± 0.007 $\chi^2/\text{NDF}: 281637.5/42$

All: -20.071 ± 0.005 $\chi^2/\text{NDF}: 453058.5/81$

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -36.152+/-0.191 χ^2/NDF :1199.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -35.766+/-0.191 χ^2/NDF :842.6/22

Left: -35.959+/-0.135 χ^2/NDF : 2044.5/47

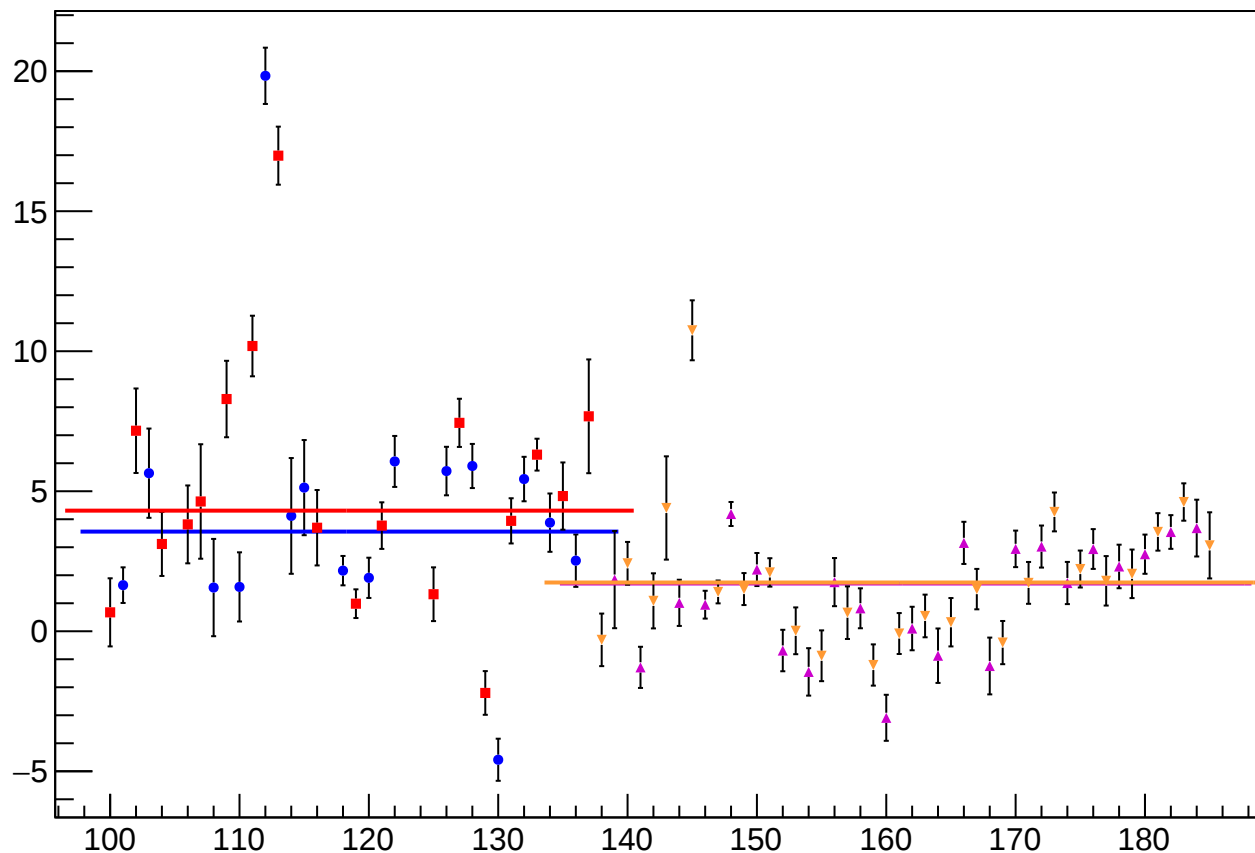
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -35.766+/-0.191 χ^2/NDF :842.6/22

Out: -36.152+/-0.191 χ^2/NDF :1199.9/24

All: -35.959+/-0.135 χ^2/NDF : 2044.5/47

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.559 ± 0.221 $\chi^2/\text{NDF}: 437.1/15$

Left Out: 1.741 ± 0.147 $\chi^2/\text{NDF}: 170.3/24$

Right Out: 4.307 ± 0.221 $\chi^2/\text{NDF}: 352.1/17$

Left In: 1.705 ± 0.149 $\chi^2/\text{NDF}: 163.0/22$

Left: 1.723 ± 0.105 $\chi^2/\text{NDF}: 333.3/47$

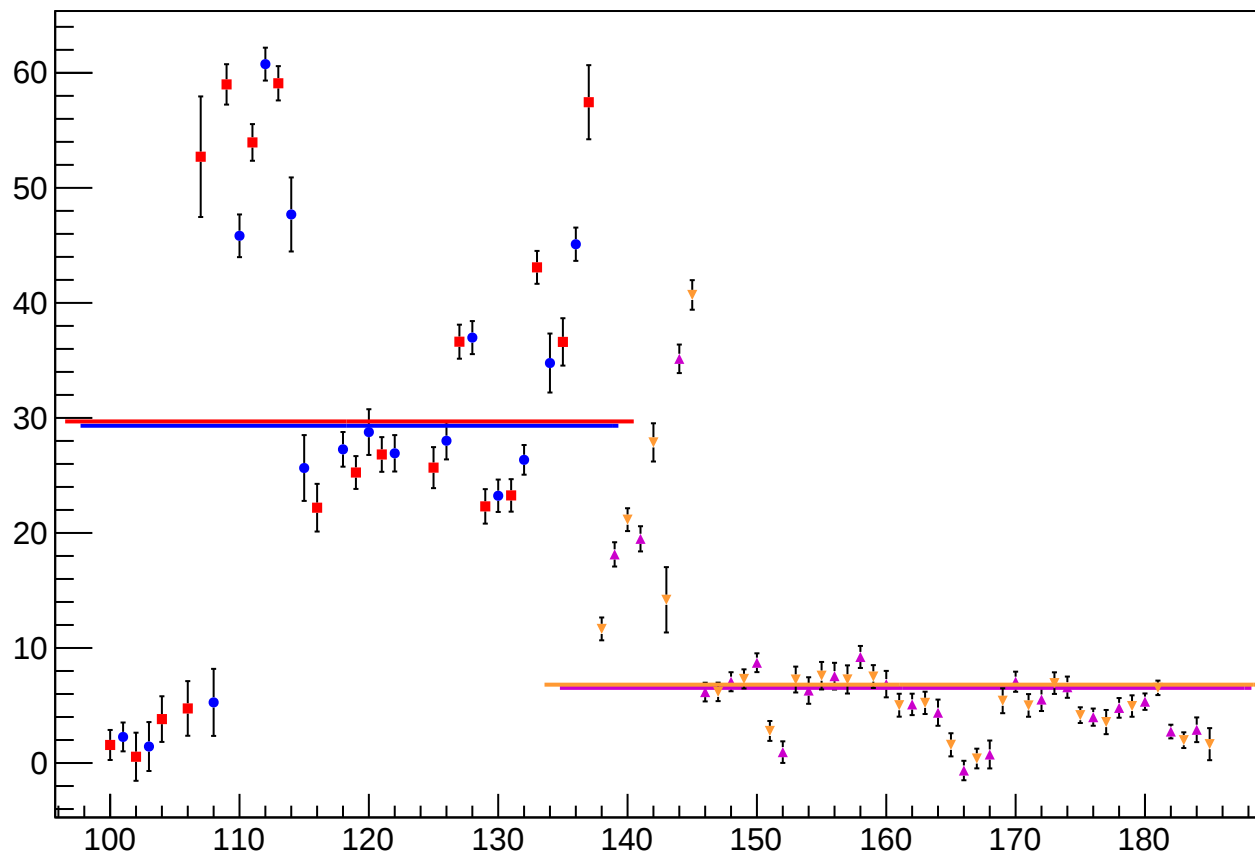
Right: 3.932 ± 0.156 $\chi^2/\text{NDF}: 795.0/33$

In: 2.288 ± 0.124 $\chi^2/\text{NDF}: 648.5/38$

Out: 2.528 ± 0.123 $\chi^2/\text{NDF}: 615.6/42$

All: 2.409 ± 0.087 $\chi^2/\text{NDF}: 1266.0/81$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.321 $\pm$ 0.420 χ^2 /NDF: 1483.3/15

Left Out: 6.811 $\pm$ 0.191 χ^2 /NDF:1305.2/24

Right Out: 29.696 $\pm$ 0.403 χ^2 /NDF: 2129.0/17

Left In: 6.532 $\pm$ 0.190 χ^2 /NDF:1018.2/22

Left: 6.671 $\pm$ 0.135 χ^2 /NDF: 2324.4/47

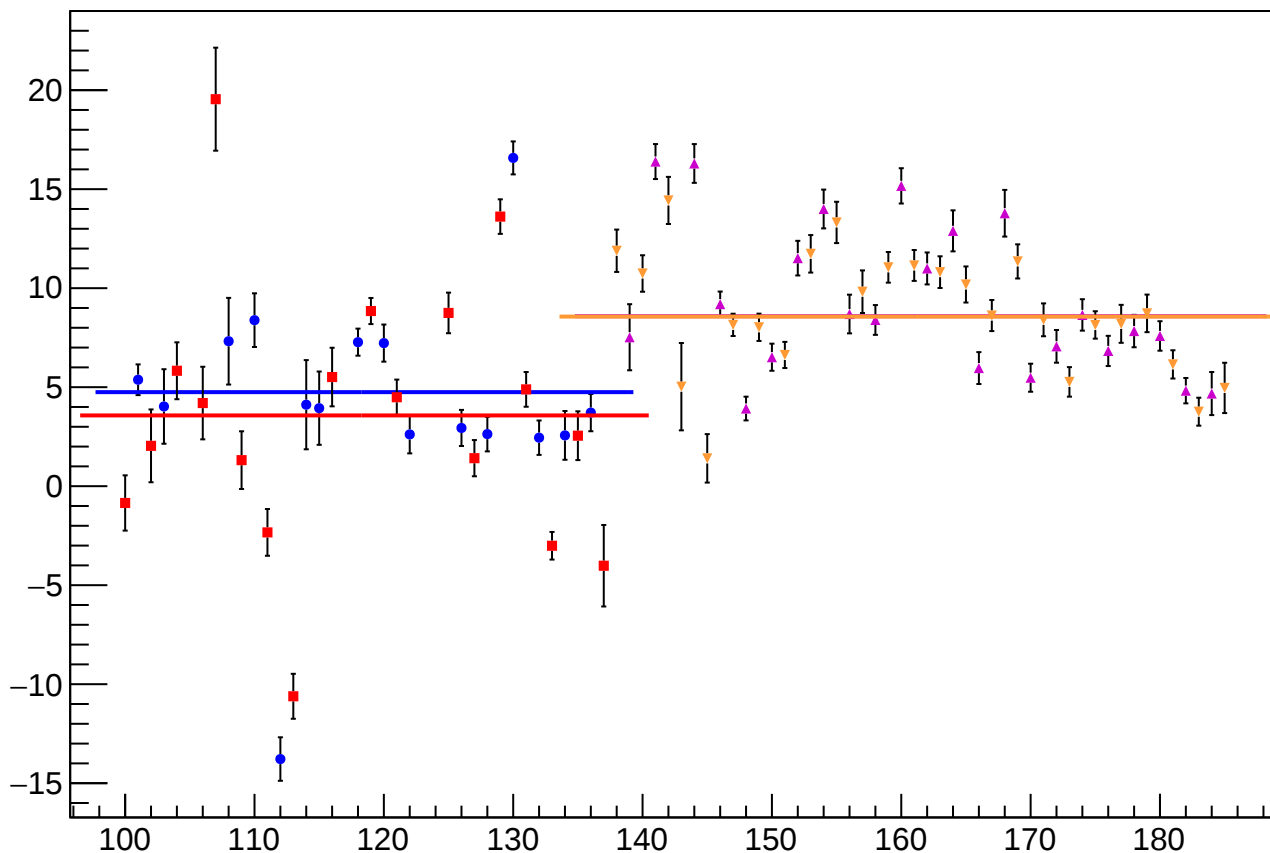
Right: 29.516 $\pm$ 0.291 χ^2 /NDF: 3612.7/33

In: 10.412 $\pm$ 0.173 χ^2 /NDF:4943.7/38

Out: 11.003 $\pm$ 0.173 χ^2 /NDF:6066.5/42

All: 10.709 $\pm$ 0.122 χ^2 /NDF: 11016.0/81

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.749 ± 0.254 $\chi^2/\text{NDF}: 543.1/15$

Left Out: 8.565 ± 0.168 $\chi^2/\text{NDF}: 248.2/24$

Right Out: 3.573 ± 0.255 $\chi^2/\text{NDF}: 570.4/17$

Left In: 8.585 ± 0.170 $\chi^2/\text{NDF}: 441.8/22$

Left: 8.575 ± 0.120 $\chi^2/\text{NDF}: 690.0/47$

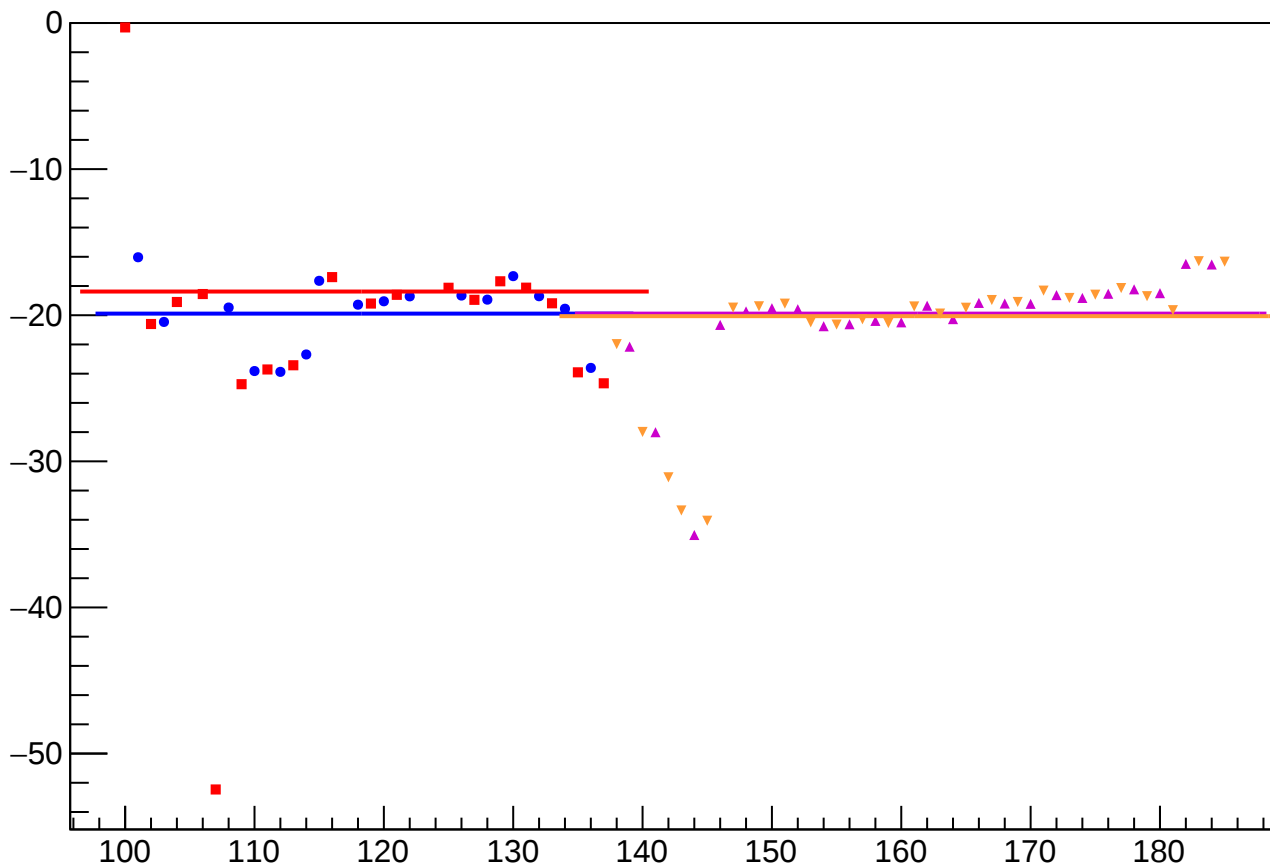
Right: 4.162 ± 0.180 $\chi^2/\text{NDF}: 1124.1/33$

In: 7.400 ± 0.141 $\chi^2/\text{NDF}: 1142.0/38$

Out: 7.045 ± 0.140 $\chi^2/\text{NDF}: 1086.0/42$

All: 7.221 ± 0.100 $\chi^2/\text{NDF}: 2231.1/81$

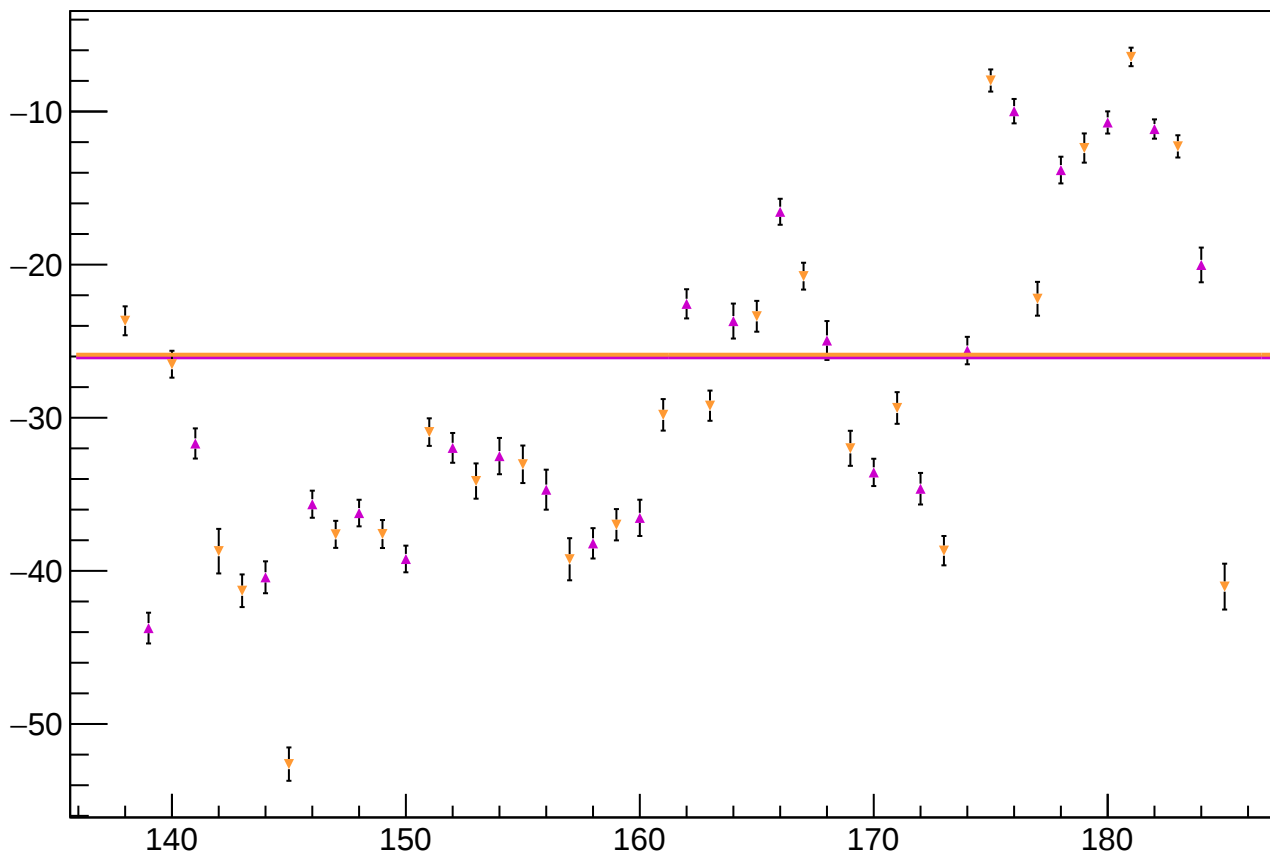
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26008.9/15$
 Left Out: -20.064 ± 0.008 $\chi^2/\text{NDF}: 185447.2/24$
 Right Out: -18.378 ± 0.015 $\chi^2/\text{NDF}: 301009.6/17$
 Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

Left: -19.977 ± 0.006 $\chi^2/\text{NDF}: 329745.3/47$
 Right: -19.090 ± 0.011 $\chi^2/\text{NDF}: 331949.4/33$
 In: -19.890 ± 0.007 $\chi^2/\text{NDF}: 170064.1/38$
 Out: -19.691 ± 0.007 $\chi^2/\text{NDF}: 496599.3/42$
 All: -19.790 ± 0.005 $\chi^2/\text{NDF}: 667073.0/81$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



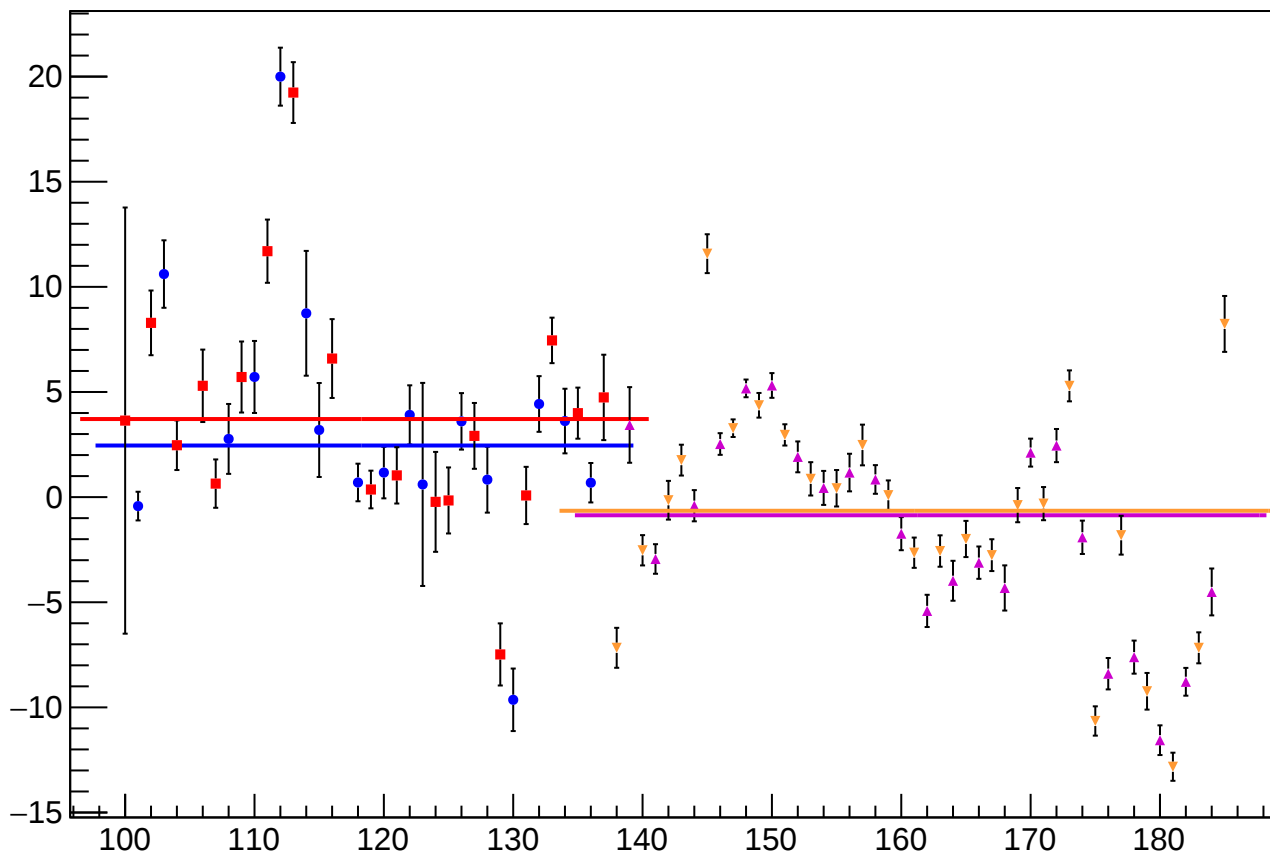
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -25.883+/-0.192 χ^2/NDF : 4161.0/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -26.052+/-0.195 χ^2/NDF : 3279.5/22

Left: -25.966+/-0.137 χ^2/NDF : 7440.9/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

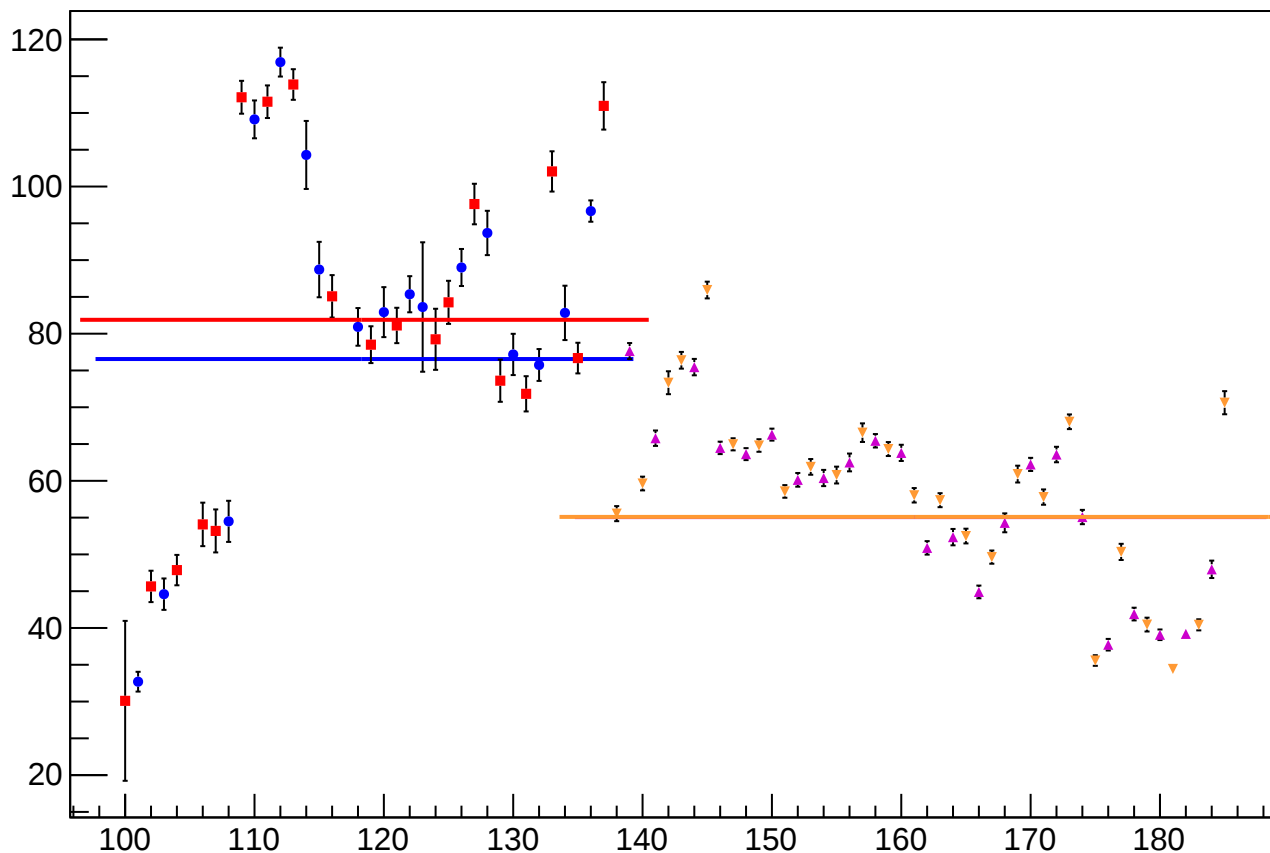
In: -26.052+/-0.195 χ^2/NDF : 3279.5/22
 Out: -25.883+/-0.192 χ^2/NDF : 4161.0/24

All: -25.966+/-0.137 χ^2/NDF : 7440.9/47

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.555 $\pm$ 0.577 χ^2 /NDF: 2252.8/16

Left Out: 55.097 $\pm$ 0.192 χ^2 /NDF: 4582.9/24

Right Out: 81.886 $\pm$ 0.593 χ^2 /NDF: 1570.8/18

Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

Left: 55.084 $\pm$ 0.136 χ^2 /NDF: 8285.7/47

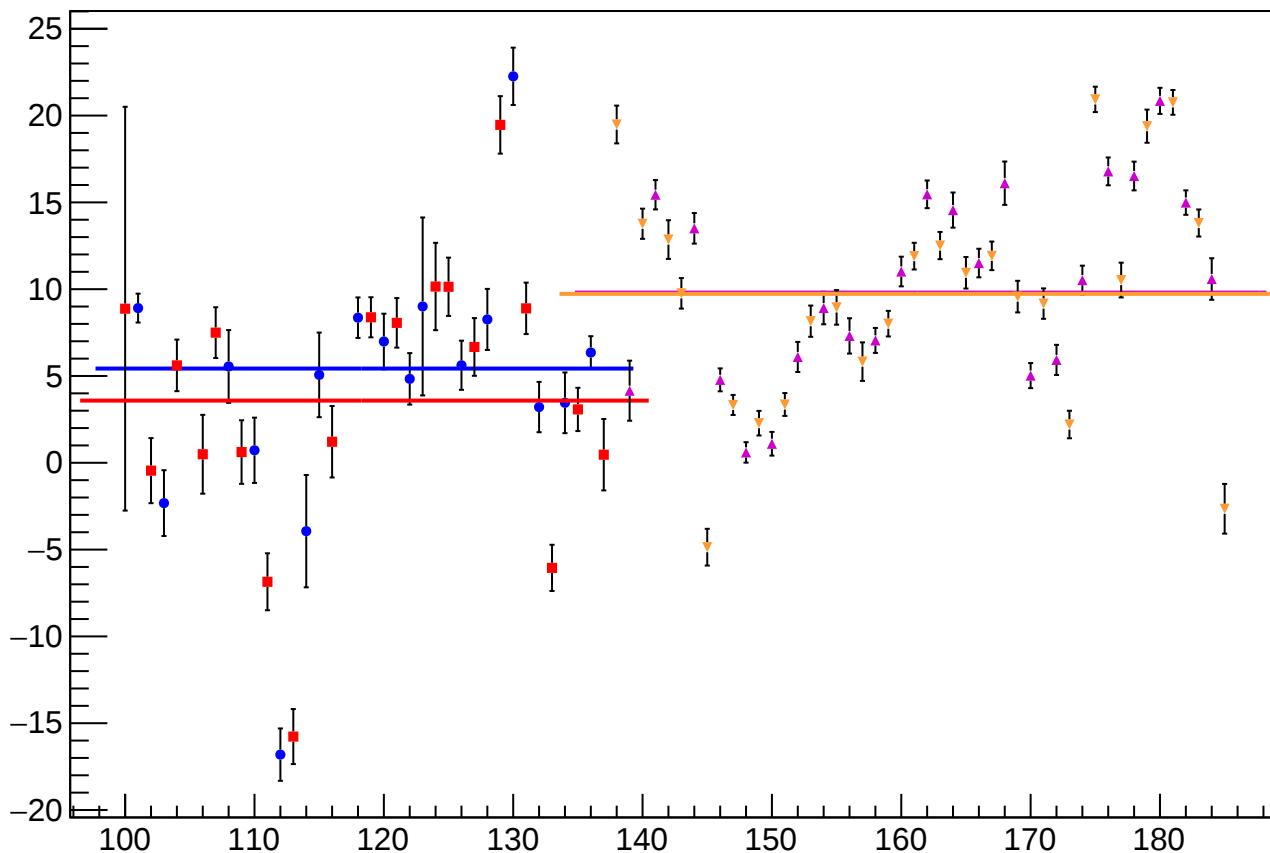
Right: 79.147 $\pm$ 0.413 χ^2 /NDF: 3865.1/35

In: 57.242 $\pm$ 0.183 χ^2 /NDF: 7202.2/39

Out: 57.628 $\pm$ 0.182 χ^2 /NDF: 8002.6/43

All: 57.436 $\pm$ 0.129 χ^2 /NDF: 15207.0/83

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.428 ± 0.361 χ^2/NDF : 385.7/16

Left Out: 9.730 ± 0.168 χ^2/NDF : 1448.3/24

Right Out: 3.582 ± 0.376 χ^2/NDF : 421.6/18

Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

Left: 9.766 ± 0.120 χ^2/NDF : 2607.1/47

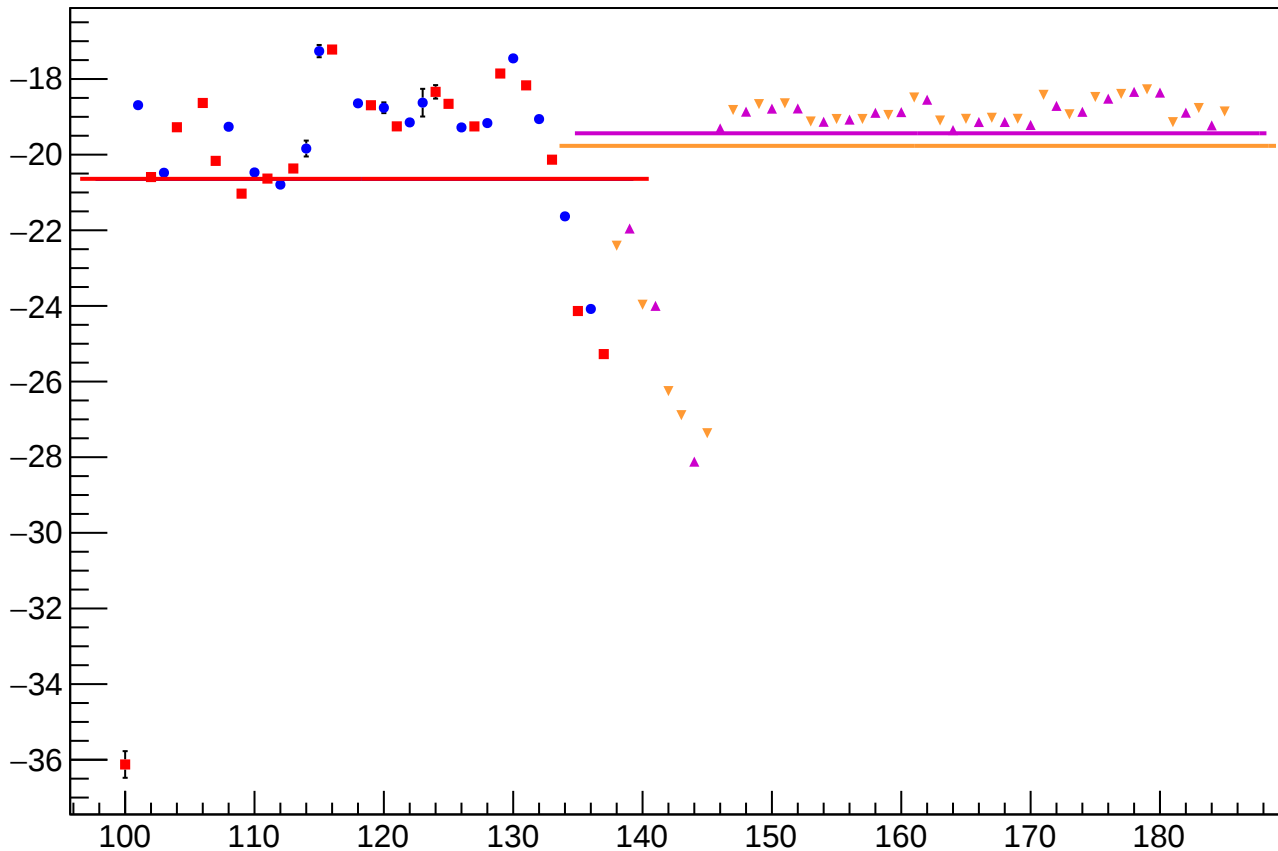
Right: 4.542 ± 0.260 χ^2/NDF : 819.8/35

In: 8.996 ± 0.155 χ^2/NDF : 1664.3/39

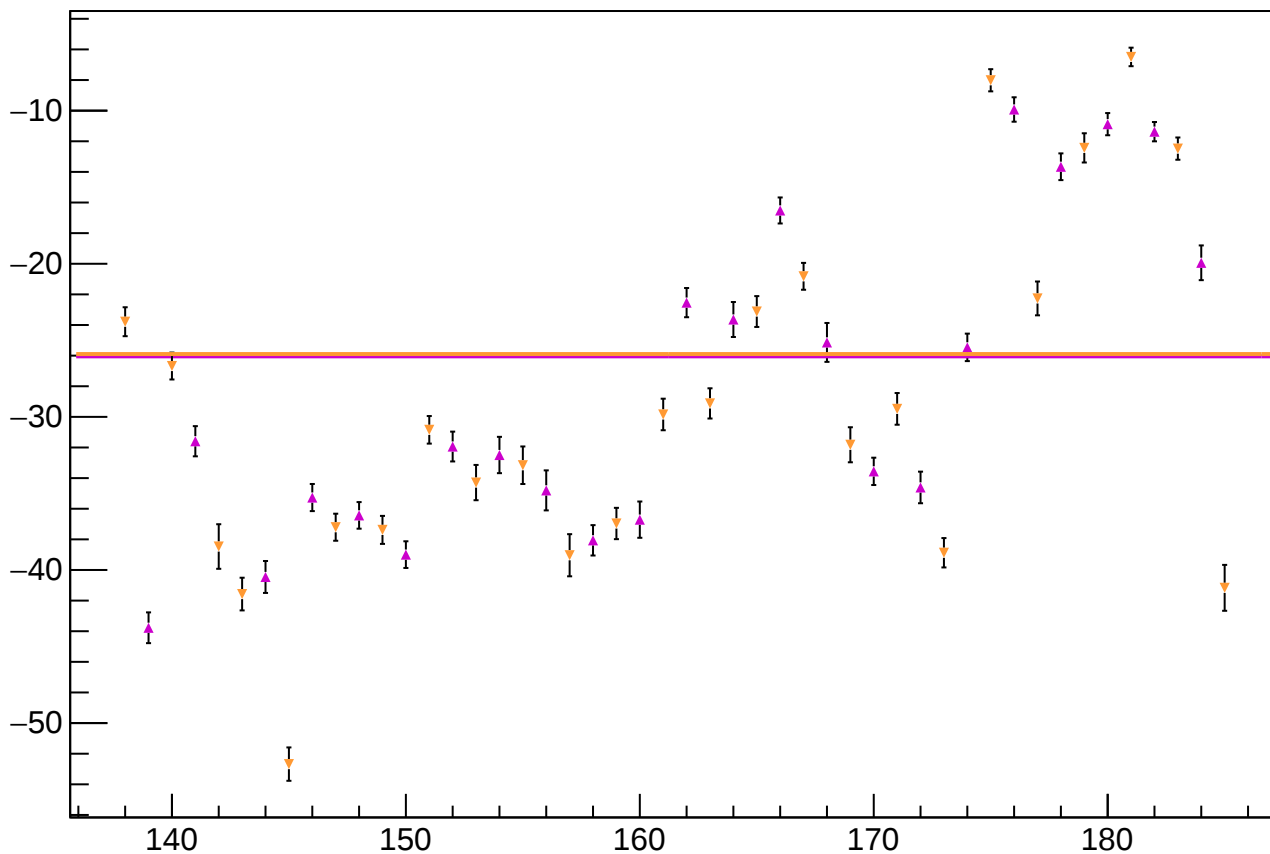
Out: 8.707 ± 0.153 χ^2/NDF : 2093.3/43

All: 8.850 ± 0.109 χ^2/NDF : 3759.3/83

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -25.897 $\pm$ 0.192 χ^2 /NDF:4130.9/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -26.046 $\pm$ 0.195 χ^2 /NDF:3246.7/22

Left: -25.971 $\pm$ 0.137 χ^2 /NDF: 7377.9/47

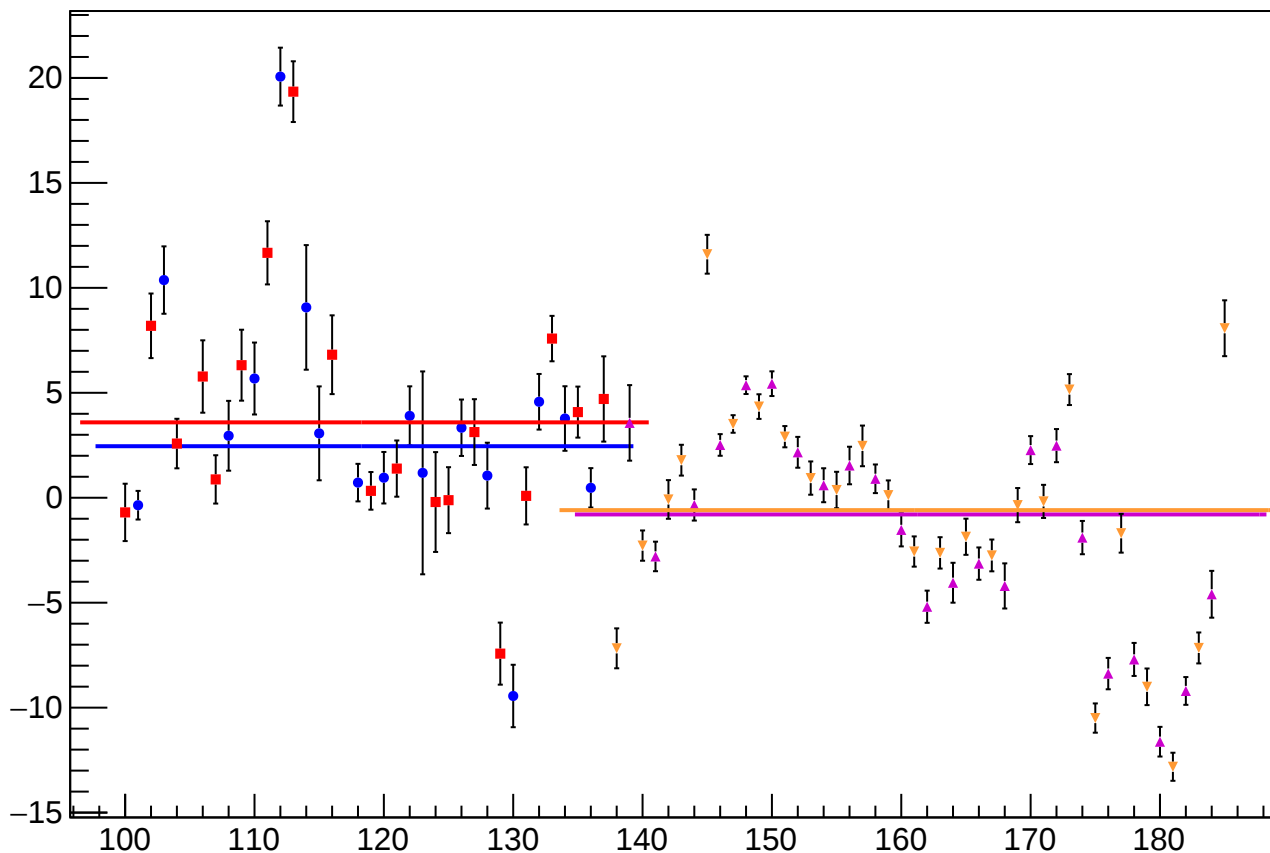
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -26.046 $\pm$ 0.195 χ^2 /NDF:3246.7/22

Out: -25.897 $\pm$ 0.192 χ^2 /NDF:4130.9/24

All: -25.971 $\pm$ 0.137 χ^2 /NDF: 7377.9/47

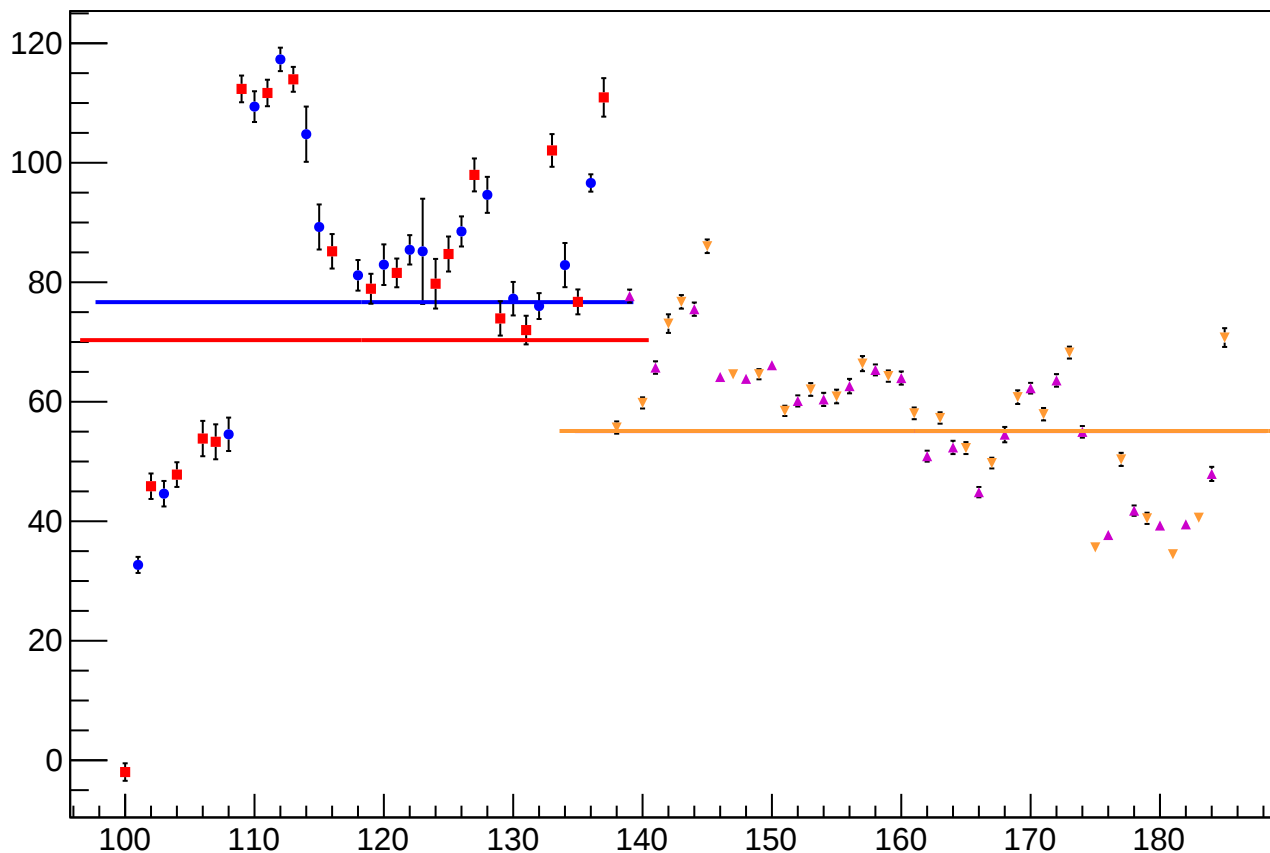
reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 ± 0.315 $\chi^2/\text{NDF}: 292.3/16$
 Left Out: -0.591 ± 0.146 $\chi^2/\text{NDF}: 1307.5/24$
 Right Out: 3.592 ± 0.318 $\chi^2/\text{NDF}: 280.0/18$
 Left In: -0.795 ± 0.151 $\chi^2/\text{NDF}: 1106.3/22$

Left: -0.690 ± 0.105 $\chi^2/\text{NDF}: 2414.8/47$
 Right: 3.018 ± 0.224 $\chi^2/\text{NDF}: 578.8/35$
 In: -0.191 ± 0.136 $\chi^2/\text{NDF}: 1485.3/39$
 Out: 0.140 ± 0.133 $\chi^2/\text{NDF}: 1730.2/43$
 All: -0.022 ± 0.095 $\chi^2/\text{NDF}: 3218.5/83$

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.675 $\pm$ 0.577 χ^2 /NDF: 2264.8/16

Left Out: 55.109 $\pm$ 0.192 χ^2 /NDF: 4564.1/24

Right Out: 70.316 $\pm$ 0.551 χ^2 /NDF: 4387.2/18

Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

Left: 55.102 $\pm$ 0.136 χ^2 /NDF: 8228.6/47

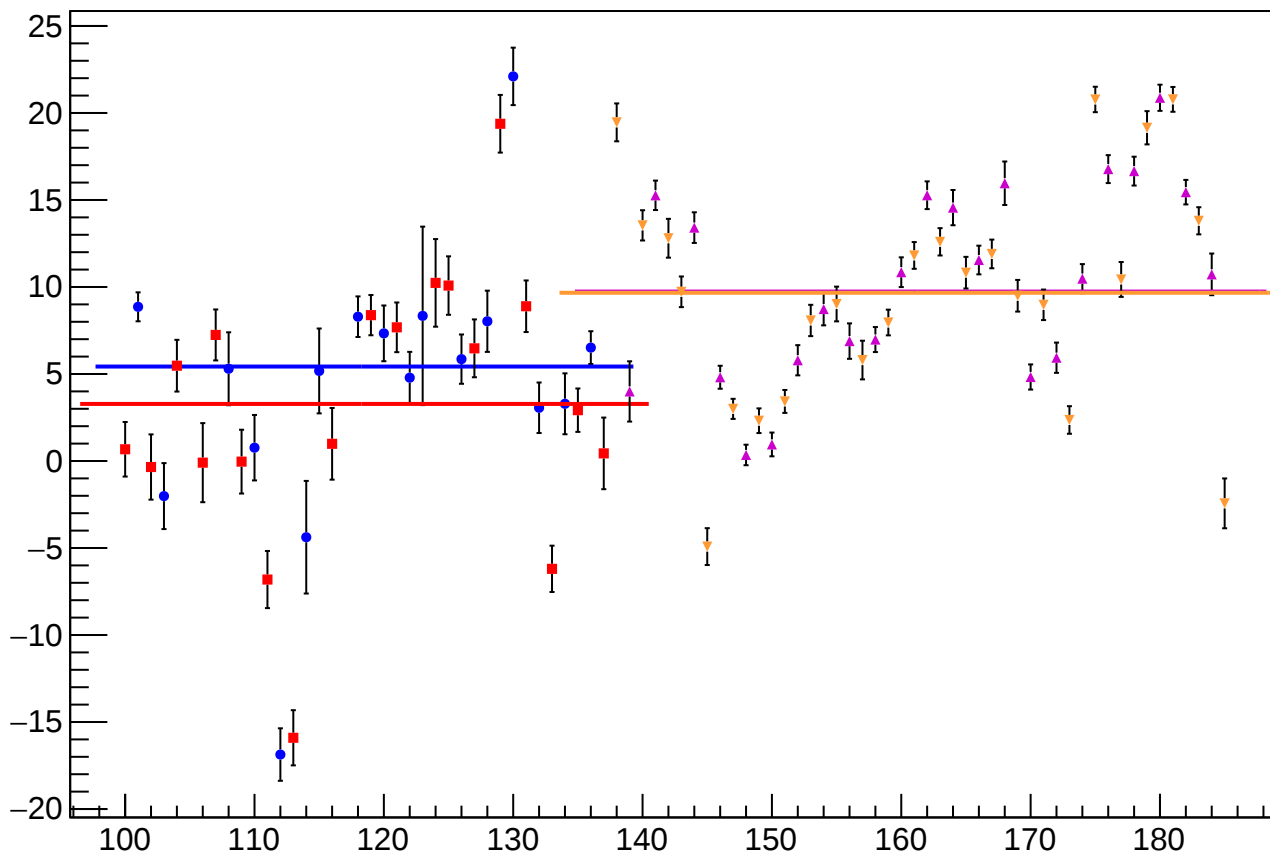
Right: 73.345 $\pm$ 0.398 χ^2 /NDF: 6715.6/35

In: 57.276 $\pm$ 0.184 χ^2 /NDF: 7185.8/39

Out: 56.752 $\pm$ 0.181 χ^2 /NDF: 9631.9/43

All: 57.011 $\pm$ 0.129 χ^2 /NDF: 16821.8/83

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.428 $\pm$ 0.361 χ^2 /NDF: 384.2/16

Left Out: 9.668 $\pm$ 0.168 χ^2 /NDF:1439.3/24

Right Out: 3.280 $\pm$ 0.366 χ^2 /NDF: 425.0/18

Left In: 9.738 $\pm$ 0.172 χ^2 /NDF:1191.1/22

Left: 9.702 $\pm$ 0.120 χ^2 /NDF: 2630.5/47

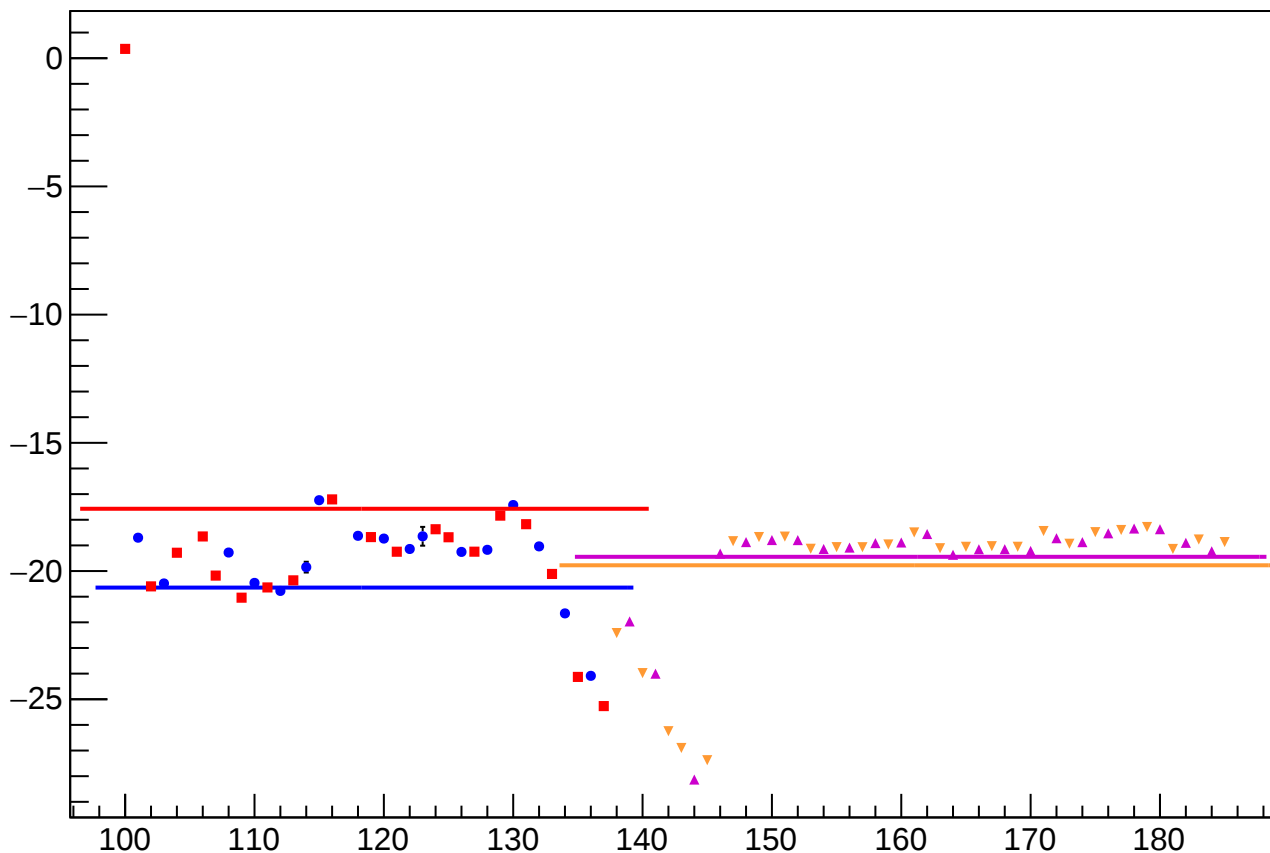
Right: 4.367 $\pm$ 0.257 χ^2 /NDF: 826.7/35

In: 8.943 $\pm$ 0.155 χ^2 /NDF:1691.5/39

Out: 8.556 $\pm$ 0.153 χ^2 /NDF:2116.5/43

All: 8.746 $\pm$ 0.109 χ^2 /NDF: 3811.1/83

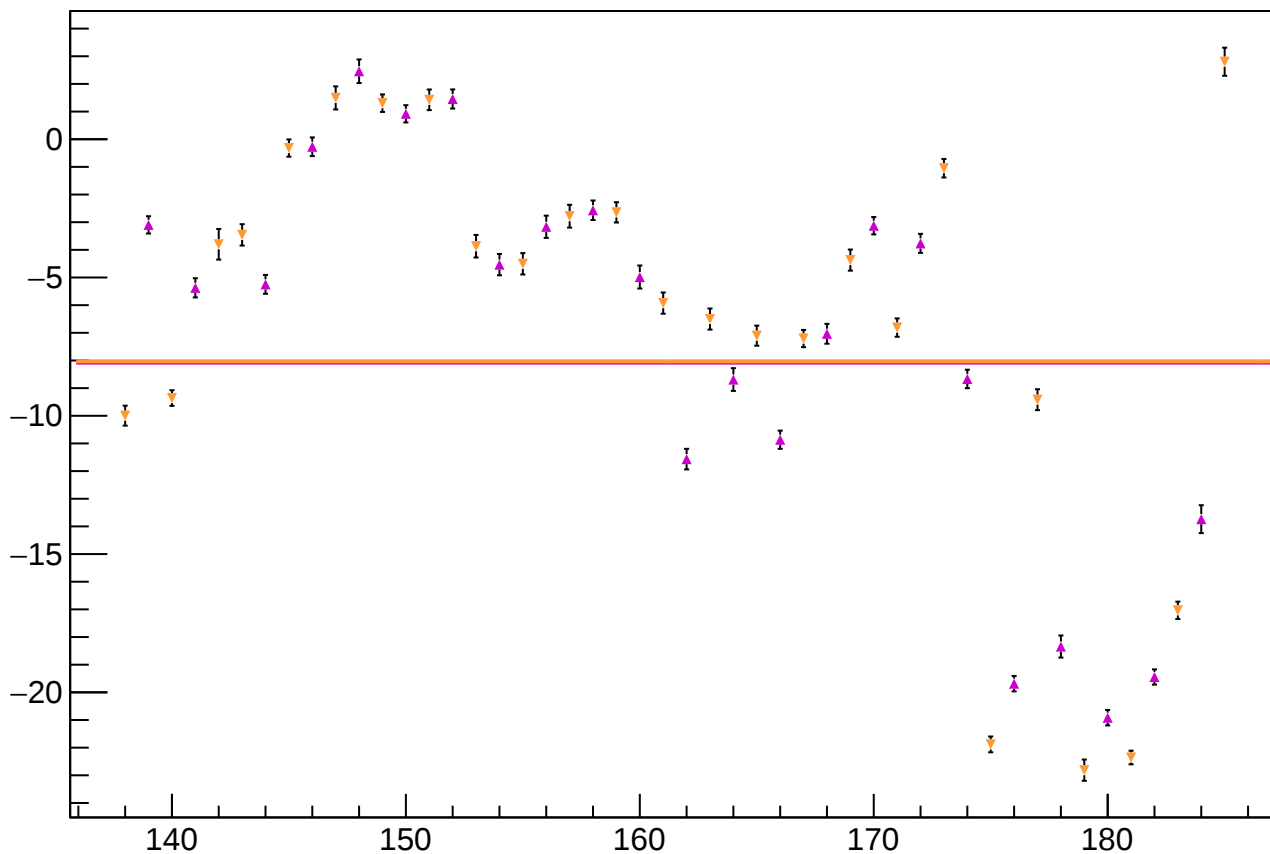
reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.645 ± 0.019 $\chi^2/\text{NDF}: 12462.7/16$
 Left Out: -19.775 ± 0.008 $\chi^2/\text{NDF}: 91500.3/24$
 Right Out: -17.571 ± 0.018 $\chi^2/\text{NDF}: 178318.0/18$
 Left In: -19.445 ± 0.008 $\chi^2/\text{NDF}: 53124.1/22$

Left: -19.611 ± 0.006 $\chi^2/\text{NDF}: 145495.2/47$
 Right: -19.000 ± 0.013 $\chi^2/\text{NDF}: 204267.4/35$
 In: -19.618 ± 0.007 $\chi^2/\text{NDF}: 68874.8/39$
 Out: -19.422 ± 0.007 $\chi^2/\text{NDF}: 282341.9/43$
 All: -19.518 ± 0.005 $\chi^2/\text{NDF}: 351579.4/83$

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



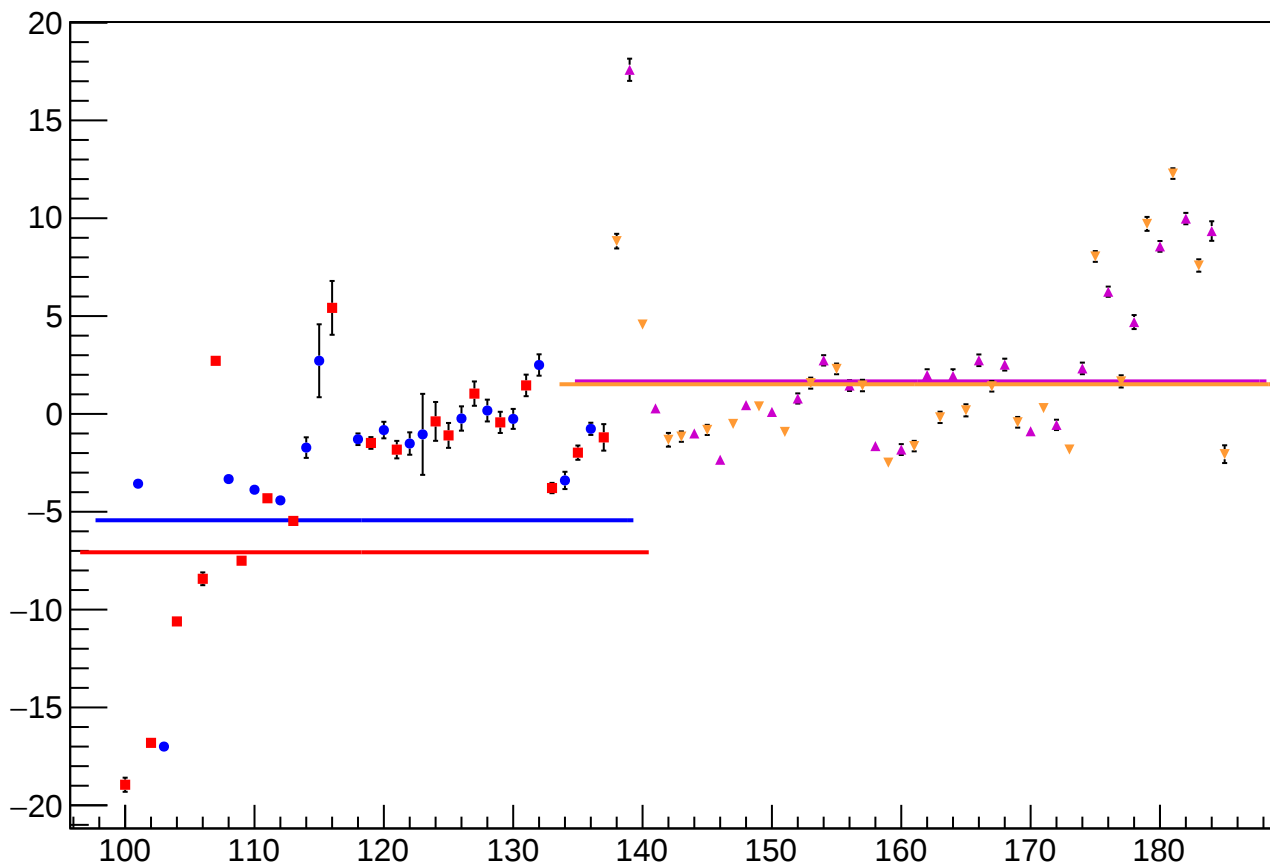
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -8.031 $\pm$ 0.070 χ^2 /NDF:12563.5/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -8.078 $\pm$ 0.072 χ^2 /NDF:10541.6/22

Left: -8.054 $\pm$ 0.050 χ^2 /NDF: 23105.2/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -8.078 $\pm$ 0.072 χ^2 /NDF:10541.6/22
 Out: -8.031 $\pm$ 0.070 χ^2 /NDF:12563.5/24

All: -8.054 $\pm$ 0.050 χ^2 /NDF: 23105.2/47

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.435 ± 0.055 χ^2/NDF : 9226.6/16

Left Out: 1.516 ± 0.054 χ^2/NDF : 4837.5/24

Right Out: -7.071 ± 0.059 χ^2/NDF : 12294.3/18

Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

Left: 1.586 ± 0.039 χ^2/NDF : 8875.1/47

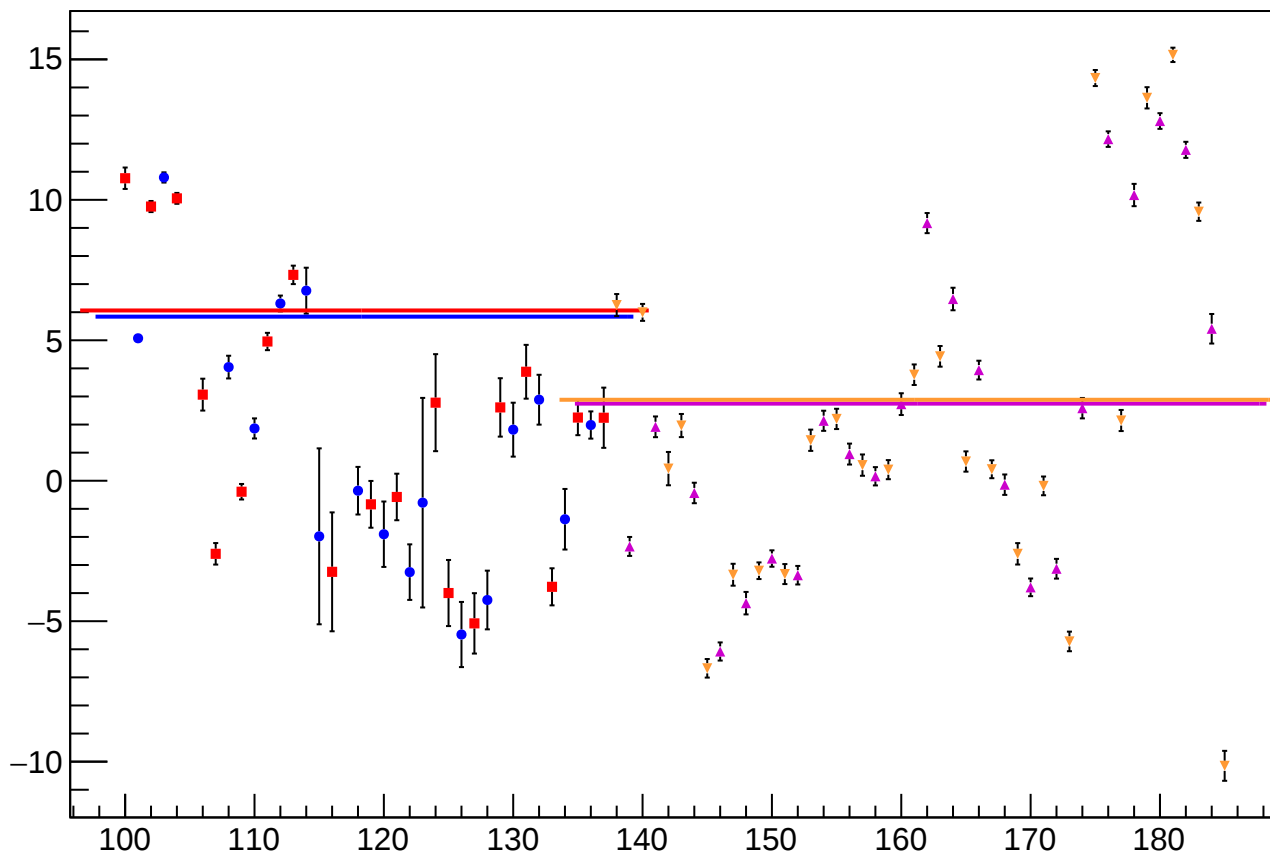
Right: -6.194 ± 0.040 χ^2/NDF : 21932.5/35

In: -1.994 ± 0.039 χ^2/NDF : 21368.8/39

Out: -2.424 ± 0.040 χ^2/NDF : 28577.8/43

All: -2.206 ± 0.028 χ^2/NDF : 50005.3/83

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.842 $\pm$ 0.090 χ^2 /NDF: 1436.5/16

Left Out: 2.883 $\pm$ 0.070 χ^2 /NDF:8892.1/24

Right Out: 6.062 $\pm$ 0.093 χ^2 /NDF: 2664.6/18

Left In: 2.745 $\pm$ 0.071 χ^2 /NDF:7183.1/22

Left: 2.815 $\pm$ 0.050 χ^2 /NDF: 16077.1/47

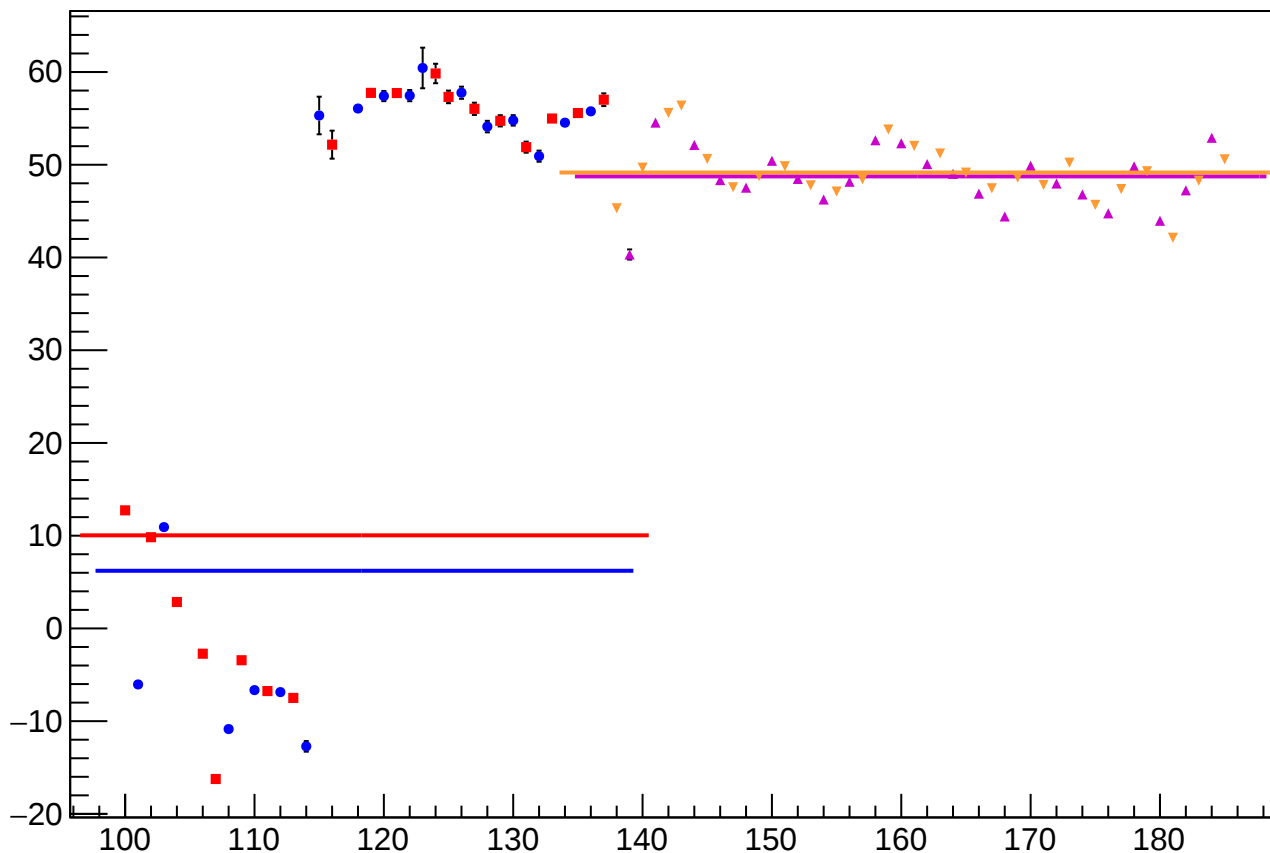
Right: 5.947 $\pm$ 0.065 χ^2 /NDF: 4104.0/35

In: 3.947 $\pm$ 0.056 χ^2 /NDF:9348.7/39

Out: 4.033 $\pm$ 0.056 χ^2 /NDF:12296.9/43

All: 3.990 $\pm$ 0.040 χ^2 /NDF: 21646.8/83

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.217 ± 0.065 $\chi^2/\text{NDF}: 120600.0/16$

Left Out: 49.166 ± 0.062 $\chi^2/\text{NDF}: 2258.6/24$

Right Out: 10.040 ± 0.070 $\chi^2/\text{NDF}: 121726.0/18$

Left In: 48.744 ± 0.064 $\chi^2/\text{NDF}: 2097.7/22$

Left: 48.962 ± 0.044 $\chi^2/\text{NDF}: 4379.0/47$

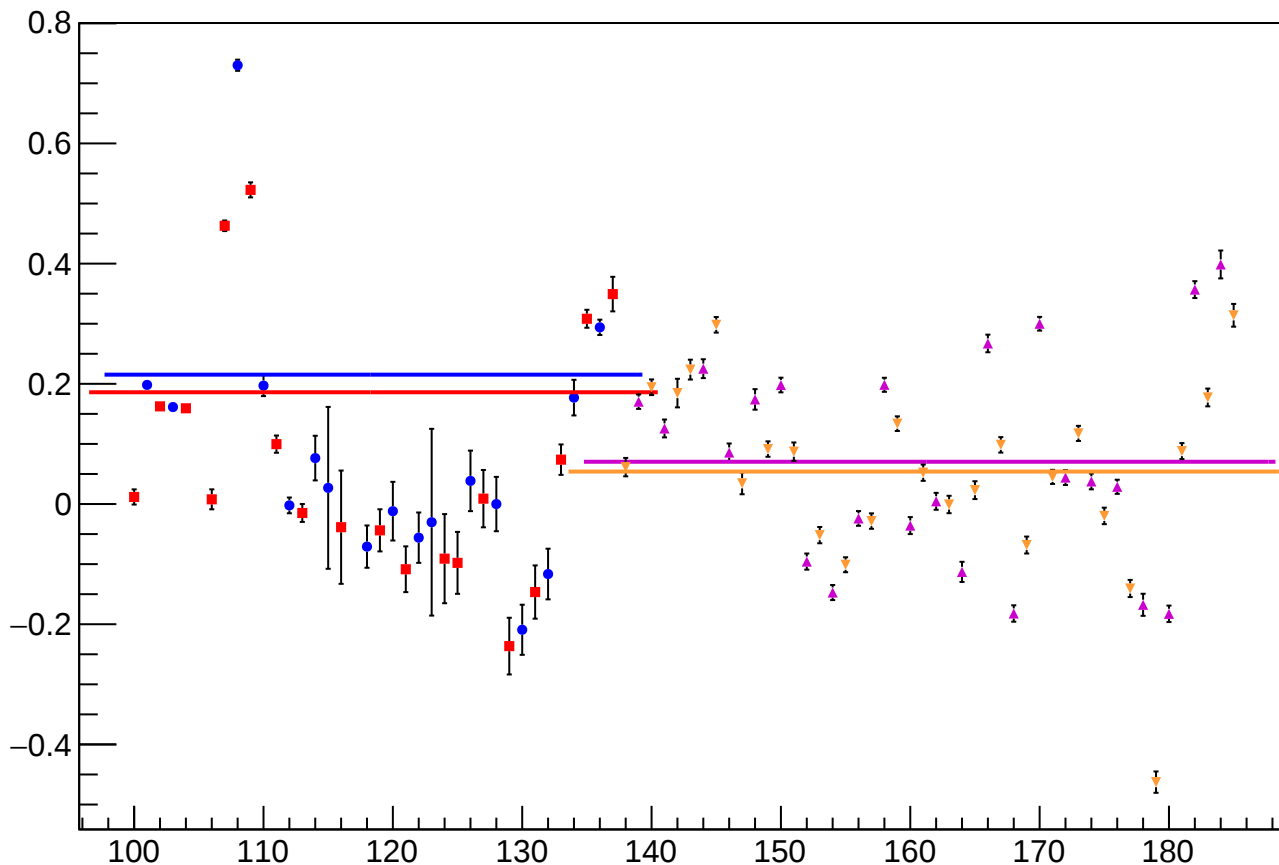
Right: 7.989 ± 0.048 $\chi^2/\text{NDF}: 243936.5/35$

In: 27.842 ± 0.045 $\chi^2/\text{NDF}: 341306.7/39$

Out: 31.980 ± 0.046 $\chi^2/\text{NDF}: 300362.7/43$

All: 29.877 ± 0.032 $\chi^2/\text{NDF}: 645741.7/83$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215+/-0.003 χ^2/NDF : 3923.9/16

Left Out: 0.054+/-0.003 χ^2/NDF :2379.9/24

Right Out: 0.186+/-0.003 χ^2/NDF : 2715.5/18

Left In: 0.070+/-0.003 χ^2/NDF :3233.8/22

Left: 0.062+/-0.002 χ^2/NDF : 5630.1/47

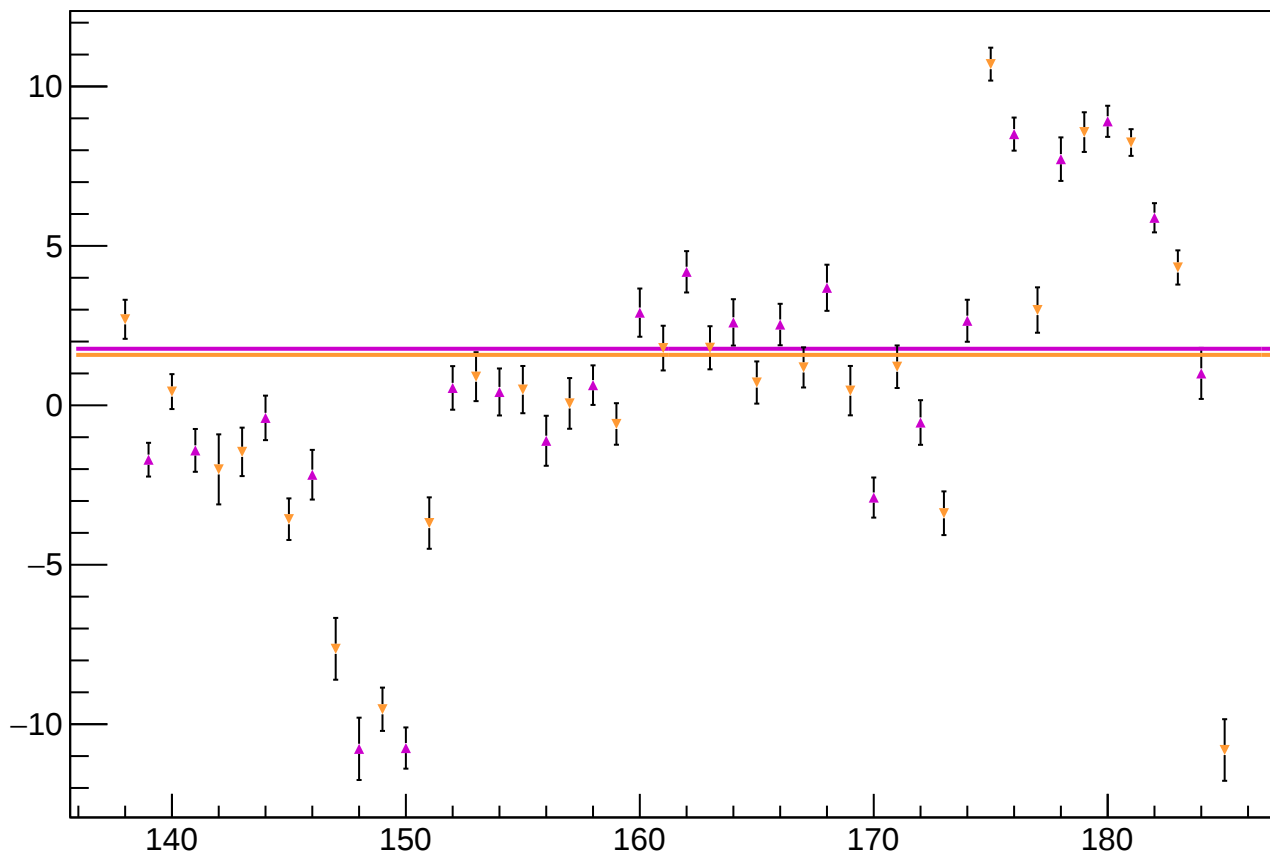
Right: 0.200+/-0.002 χ^2/NDF : 6697.0/35

In: 0.145+/-0.002 χ^2/NDF :8480.6/39

Out: 0.123+/-0.002 χ^2/NDF :6240.9/43

All: 0.134+/-0.001 χ^2/NDF : 14783.9/83

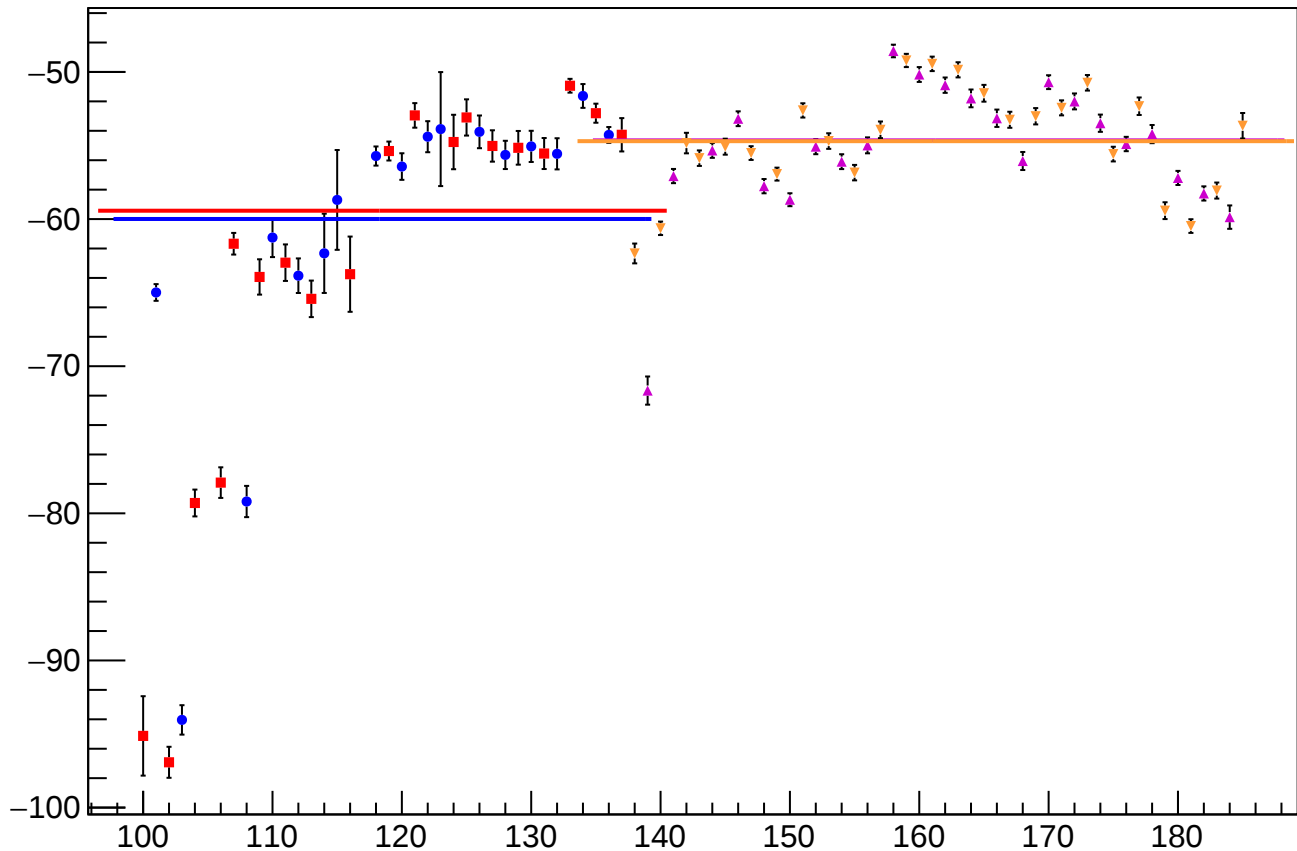
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 1.582 $\pm$ 0.133 χ^2 /NDF:1458.4/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 1.774 $\pm$ 0.135 χ^2 /NDF:1297.3/22

Left: 1.676 $\pm$ 0.095 χ^2 /NDF: 2756.8/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 1.774 $\pm$ 0.135 χ^2 /NDF:1297.3/22
 Out: 1.582 $\pm$ 0.133 χ^2 /NDF:1458.4/24
 All: 1.676 $\pm$ 0.095 χ^2 /NDF: 2756.8/47

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.993 ± 0.225 χ^2/NDF : 1973.4/16

Left Out: -54.705 ± 0.106 χ^2/NDF : 1124.6/24

Right Out: -59.431 ± 0.212 χ^2/NDF : 2920.1/18

Left In: -54.650 ± 0.110 χ^2/NDF : 1077.1/22

Left: -54.678 ± 0.076 χ^2/NDF : 2201.8/47

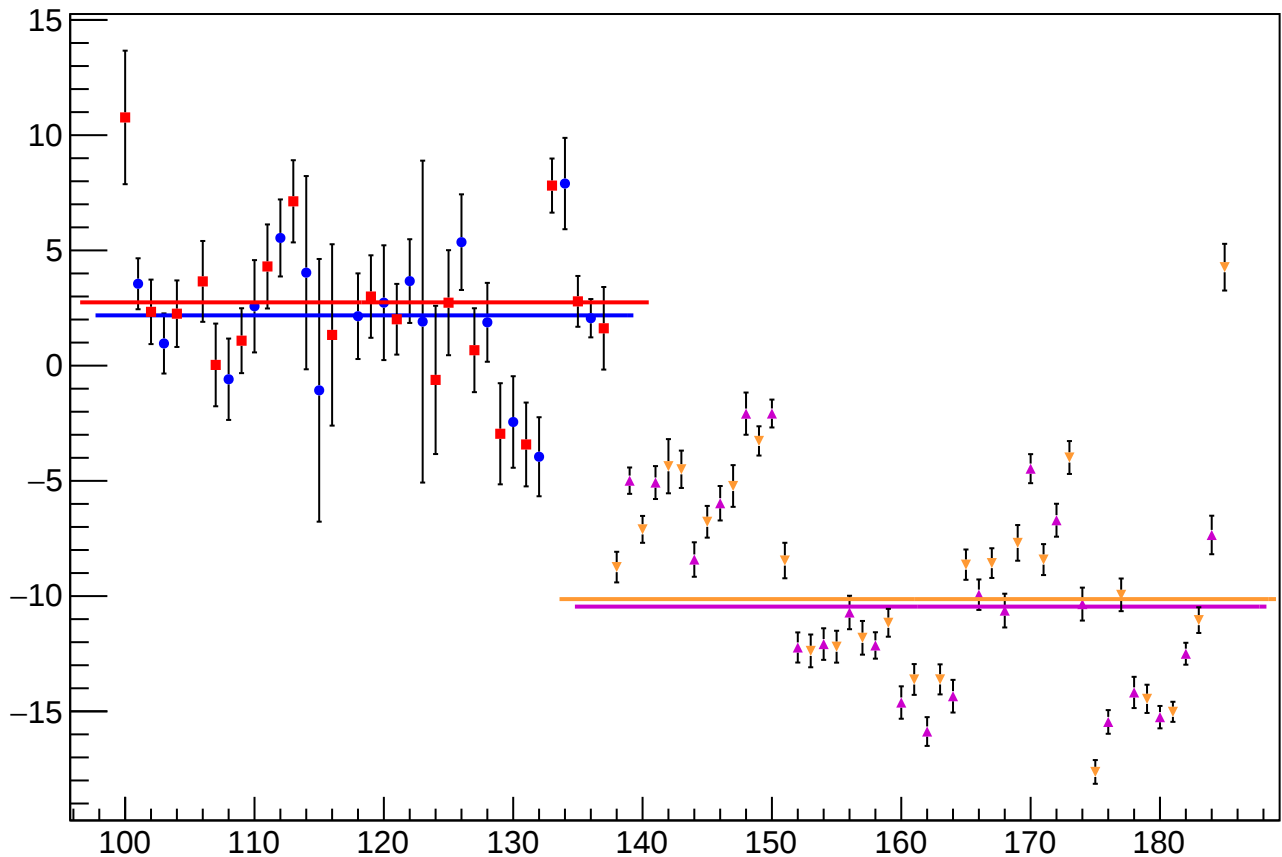
Right: -59.696 ± 0.154 χ^2/NDF : 4896.8/35

In: -55.676 ± 0.099 χ^2/NDF : 3505.4/39

Out: -55.645 ± 0.095 χ^2/NDF : 4442.4/43

All: -55.660 ± 0.068 χ^2/NDF : 7947.9/83

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 χ^2/NDF : 39.2/16

Left Out: -10.130 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: 2.746 ± 0.388 χ^2/NDF : 58.7/18

Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

Left: -10.291 ± 0.095 χ^2/NDF : 2061.1/47

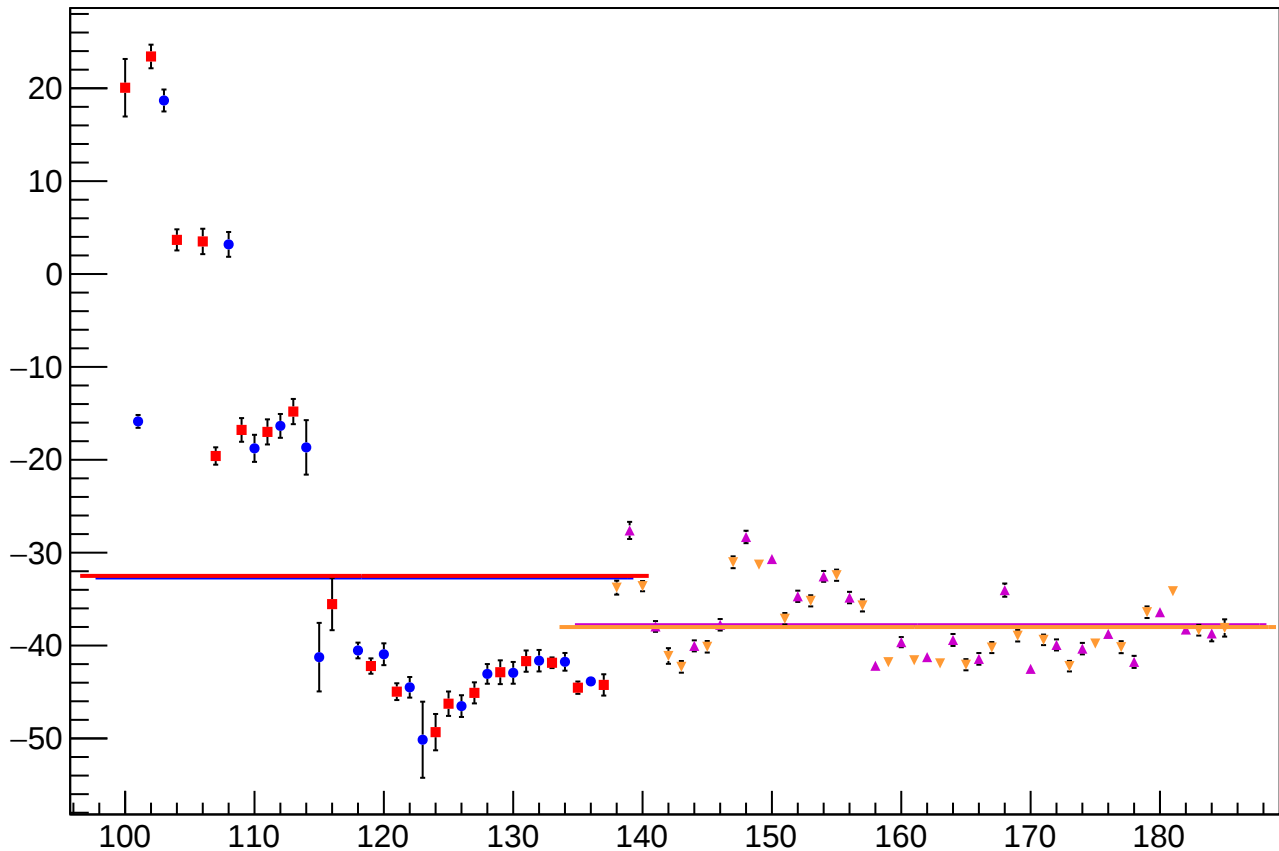
Right: 2.476 ± 0.281 χ^2/NDF : 98.8/35

In: -9.204 ± 0.128 χ^2/NDF : 1914.3/39

Out: -8.782 ± 0.126 χ^2/NDF : 2097.8/43

All: -8.990 ± 0.090 χ^2/NDF : 4017.6/83

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.671 ± 0.256 $\chi^2/\text{NDF}: 4642.6/16$

Left Out: -38.009 ± 0.119 $\chi^2/\text{NDF}: 946.1/24$

Right Out: -32.501 ± 0.244 $\chi^2/\text{NDF}: 6042.9/18$

Left In: -37.809 ± 0.122 $\chi^2/\text{NDF}: 1039.9/22$

Left: -37.912 ± 0.085 $\chi^2/\text{NDF}: 1987.4/47$

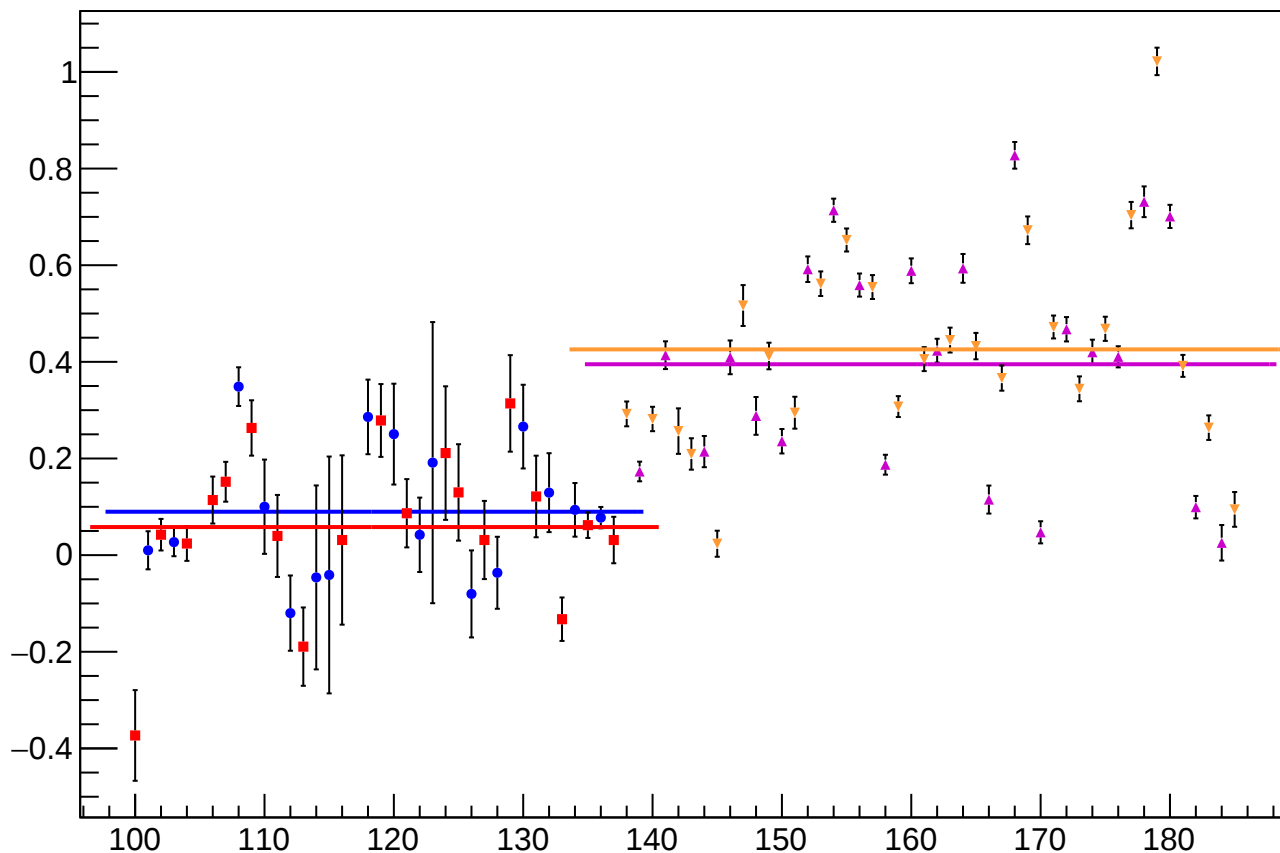
Right: -32.582 ± 0.177 $\chi^2/\text{NDF}: 10685.8/35$

In: -36.854 ± 0.110 $\chi^2/\text{NDF}: 6010.4/39$

Out: -36.956 ± 0.107 $\chi^2/\text{NDF}: 7400.2/43$

All: -36.907 ± 0.077 $\chi^2/\text{NDF}: 13411.0/83$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 χ^2/NDF : 79.1/16

Left Out: 0.426 ± 0.005 χ^2/NDF : 1304.1/24

Right Out: 0.058 ± 0.012 χ^2/NDF : 87.0/18

Left In: 0.395 ± 0.005 χ^2/NDF : 1798.2/22

Left: 0.411 ± 0.004 χ^2/NDF : 3118.5/47

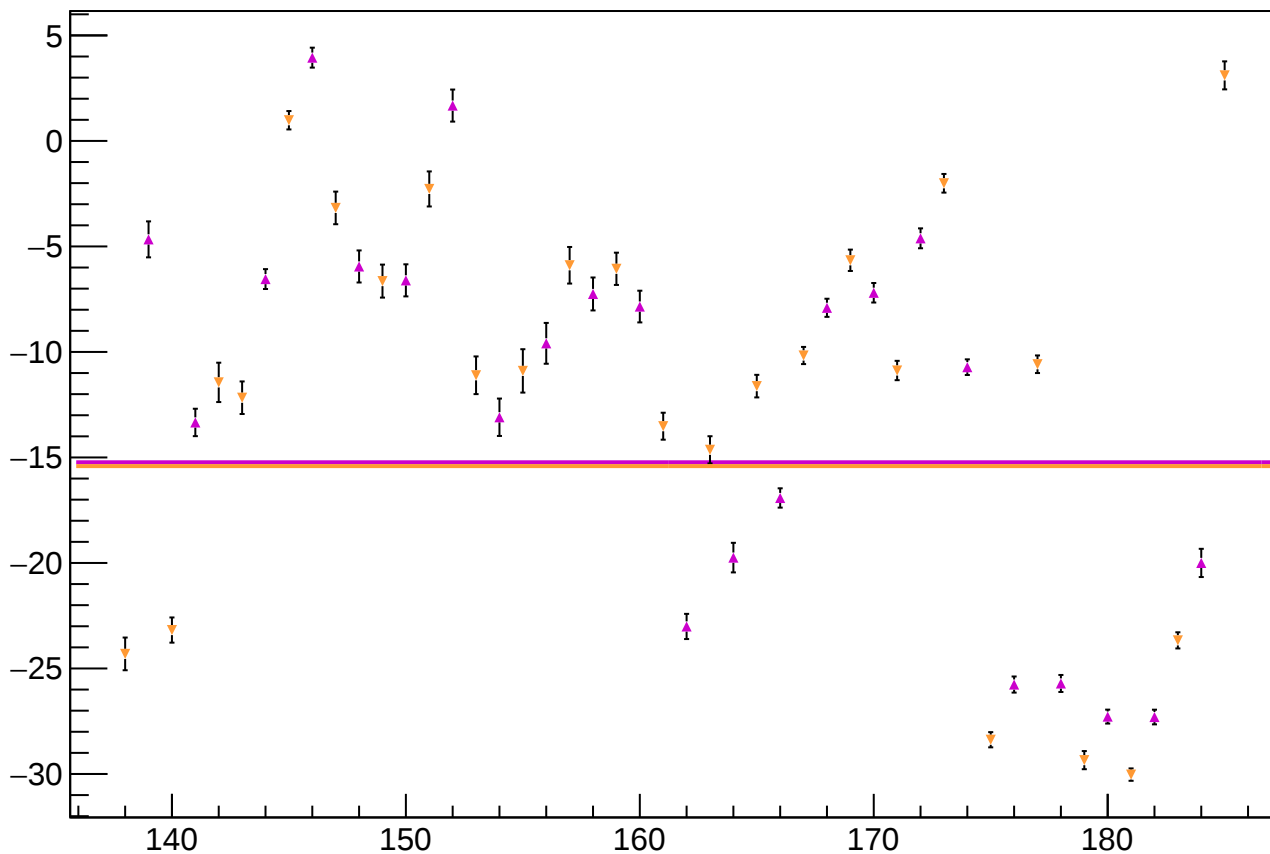
Right: 0.073 ± 0.009 χ^2/NDF : 169.3/35

In: 0.348 ± 0.005 χ^2/NDF : 2362.5/39

Out: 0.366 ± 0.005 χ^2/NDF : 2154.1/43

All: 0.357 ± 0.004 χ^2/NDF : 4522.9/83

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -15.410 $\pm$ 0.105 χ^2 /NDF:10508.3/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -15.229 $\pm$ 0.107 χ^2 /NDF:8657.3/22

Left: -15.321 $\pm$ 0.075 χ^2 /NDF: 19167.0/47

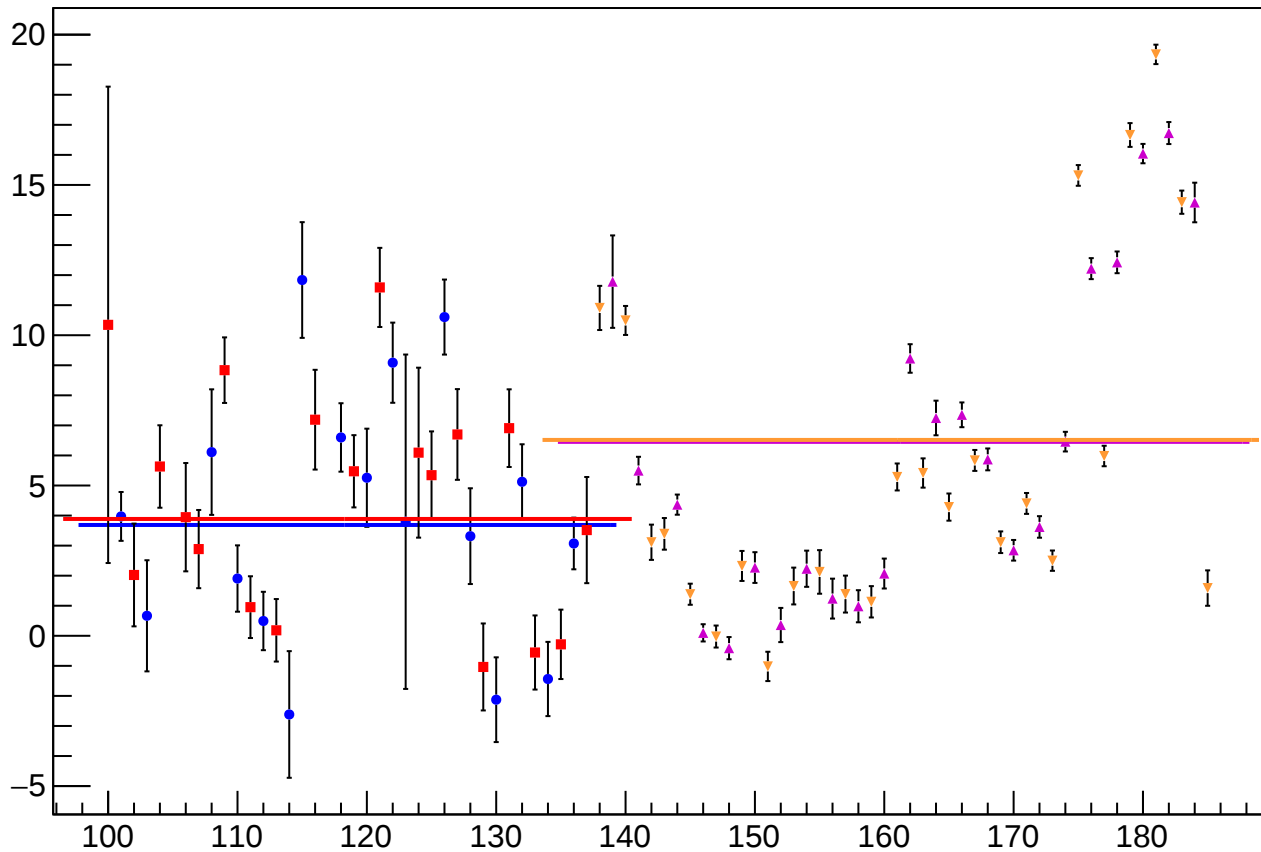
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -15.229 $\pm$ 0.107 χ^2 /NDF:8657.3/22

Out: -15.410 $\pm$ 0.105 χ^2 /NDF:10508.3/24

All: -15.321 $\pm$ 0.075 χ^2 /NDF: 19167.0/47

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.687 ± 0.311 $\chi^2/\text{NDF}: 135.1/16$

Left Out: 6.517 ± 0.085 $\chi^2/\text{NDF}: 4976.3/24$

Right Out: 3.887 ± 0.317 $\chi^2/\text{NDF}: 133.7/18$

Left In: 6.452 ± 0.086 $\chi^2/\text{NDF}: 3948.0/22$

Left: 6.485 ± 0.061 $\chi^2/\text{NDF}: 8924.6/47$

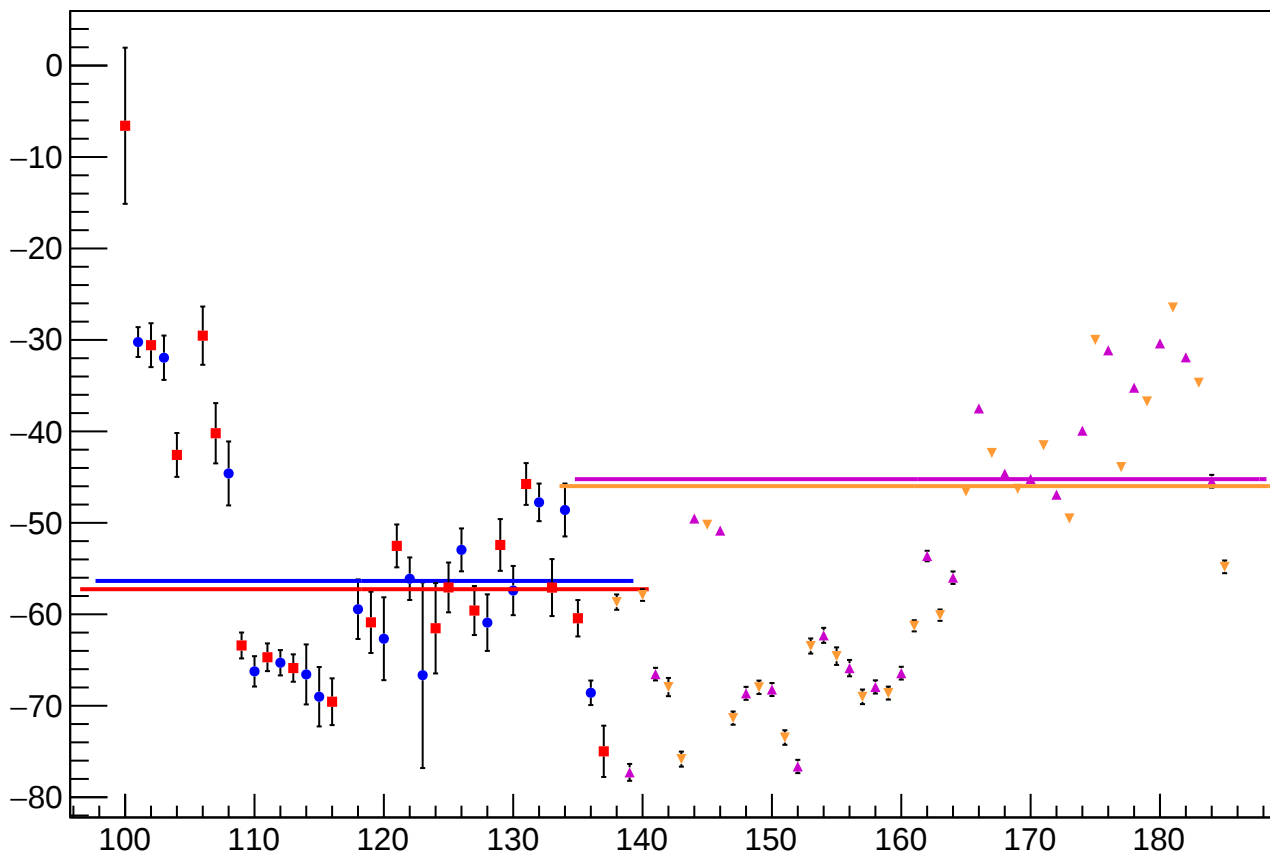
Right: 3.785 ± 0.222 $\chi^2/\text{NDF}: 269.0/35$

In: 6.255 ± 0.083 $\chi^2/\text{NDF}: 4156.6/39$

Out: 6.338 ± 0.082 $\chi^2/\text{NDF}: 5174.3/43$

All: 6.297 ± 0.059 $\chi^2/\text{NDF}: 9331.4/83$

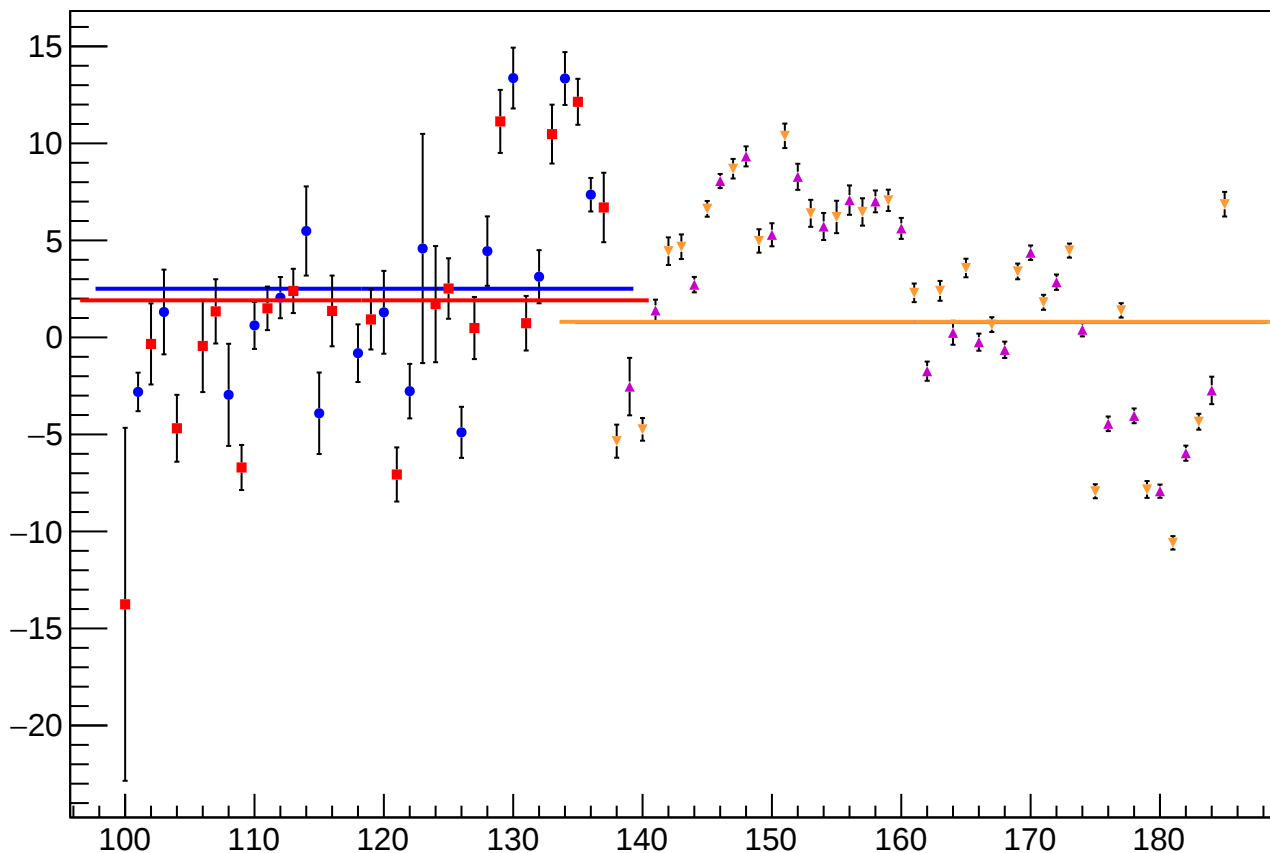
reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.351 ± 0.544 χ^2/NDF : 587.4/16
 Left Out: -45.984 ± 0.106 χ^2/NDF : 17361.4/24
 Right Out: -57.256 ± 0.537 χ^2/NDF : 475.7/18
 Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

Left: -45.606 ± 0.075 χ^2/NDF : 32987.1/47
 Right: -56.810 ± 0.382 χ^2/NDF : 1064.5/35
 In: -45.637 ± 0.105 χ^2/NDF : 16590.1/39
 Out: -46.409 ± 0.104 χ^2/NDF : 18261.3/43
 All: -46.026 ± 0.074 χ^2/NDF : 34878.5/83

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.509 $\pm$ 0.348 χ^2 /NDF: 242.2/16

Left Out: 0.803 $\pm$ 0.096 χ^2 /NDF:3754.2/24

Right Out: 1.911 $\pm$ 0.356 χ^2 /NDF: 264.6/18

Left In: 0.792 $\pm$ 0.097 χ^2 /NDF:2692.5/22

Left: 0.798 $\pm$ 0.068 χ^2 /NDF: 6446.7/47

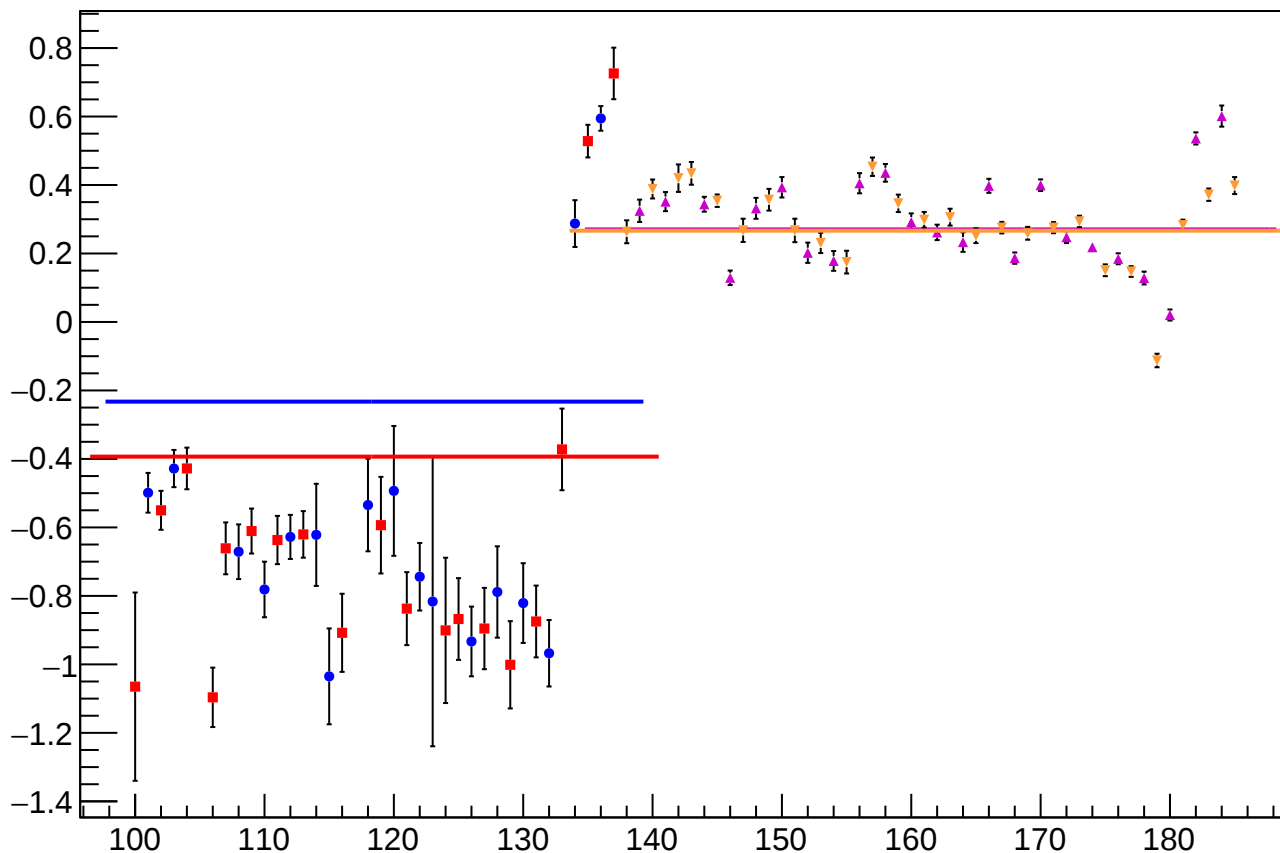
Right: 2.216 $\pm$ 0.249 χ^2 /NDF: 508.3/35

In: 0.915 $\pm$ 0.093 χ^2 /NDF:2957.4/39

Out: 0.877 $\pm$ 0.092 χ^2 /NDF:4027.8/43

All: 0.896 $\pm$ 0.066 χ^2 /NDF: 6985.3/83

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.233 ± 0.019 χ^2/NDF : 957.0/16

Left Out: 0.267 ± 0.004 χ^2/NDF : 700.4/24

Right Out: -0.393 ± 0.019 χ^2/NDF : 844.6/18

Left In: 0.270 ± 0.004 χ^2/NDF : 969.9/22

Left: 0.269 ± 0.003 χ^2/NDF : 1670.7/47

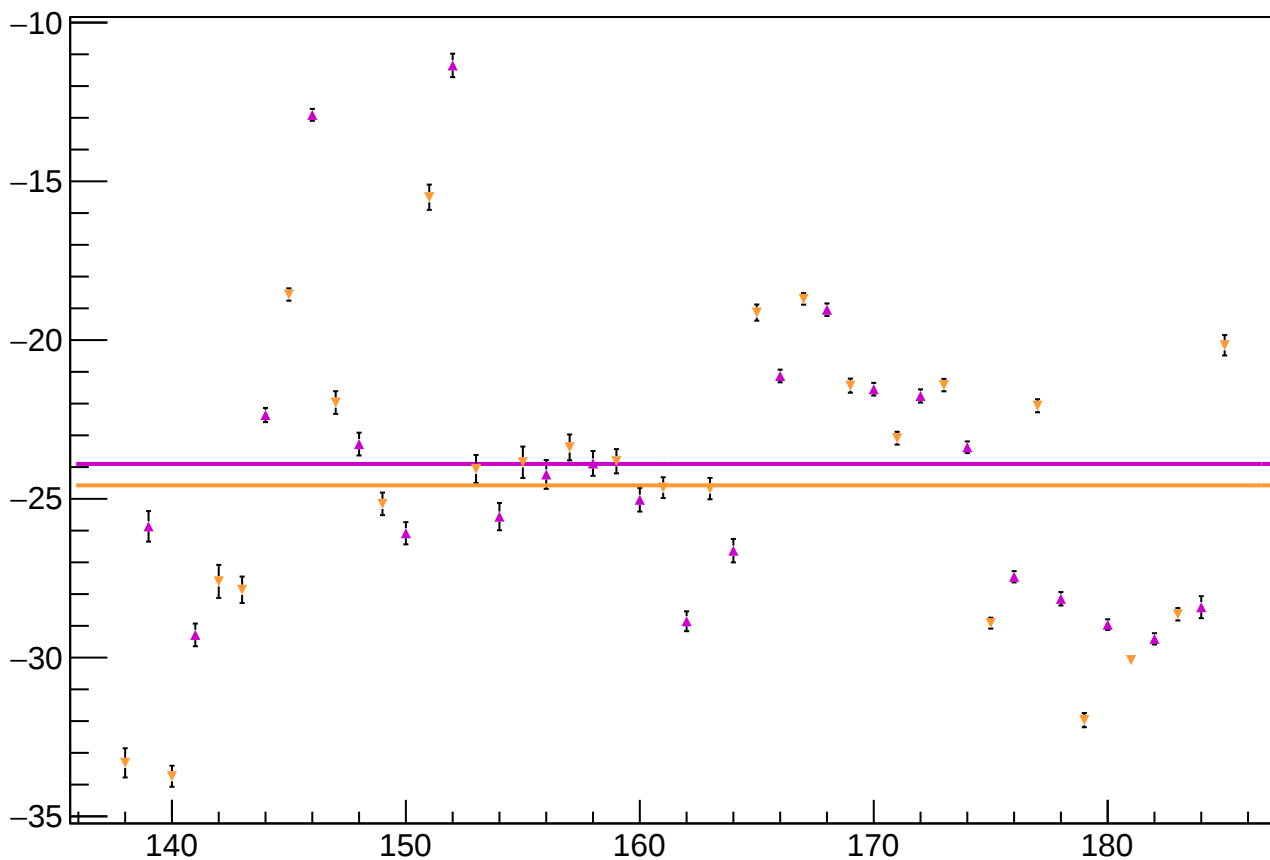
Right: -0.313 ± 0.013 χ^2/NDF : 1837.5/35

In: 0.244 ± 0.004 χ^2/NDF : 2596.8/39

Out: 0.234 ± 0.004 χ^2/NDF : 2690.2/43

All: 0.239 ± 0.003 χ^2/NDF : 5290.0/83

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



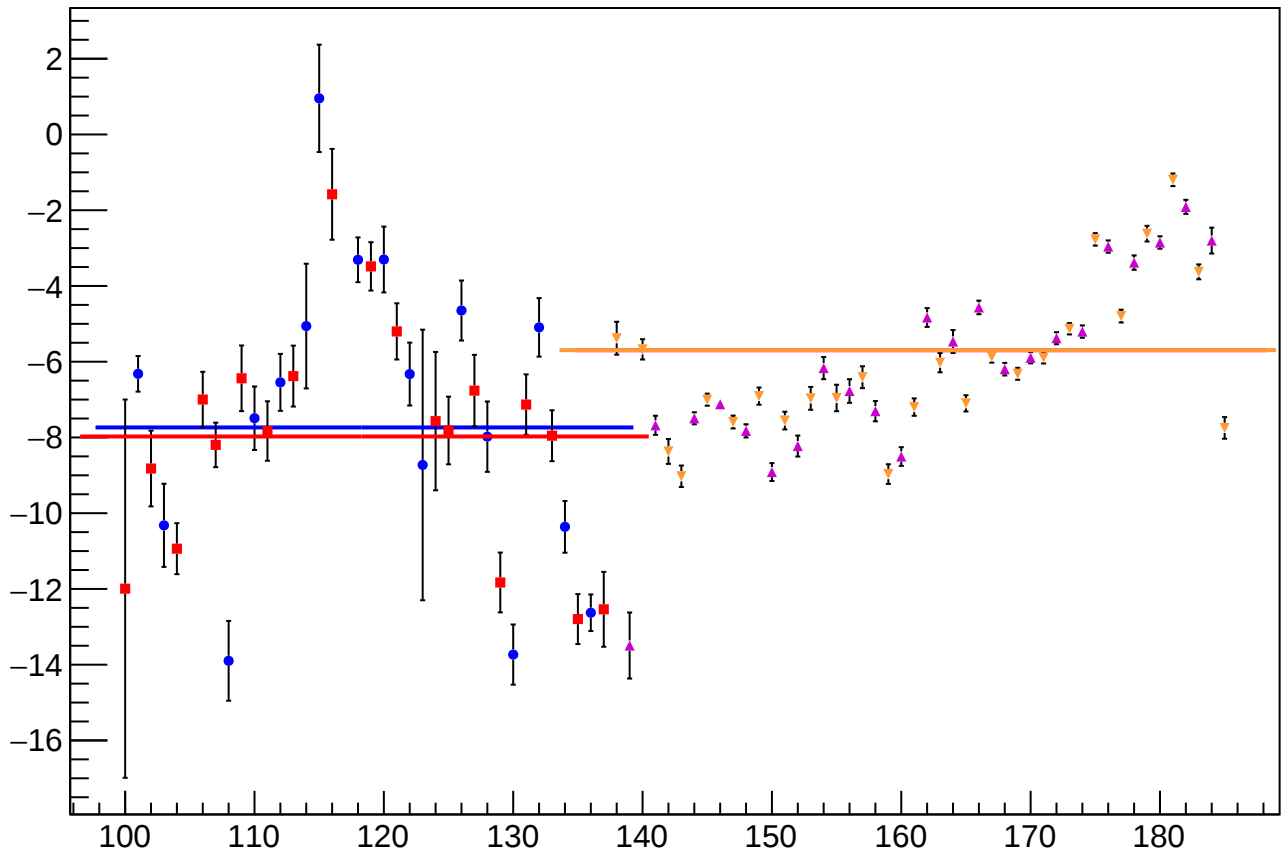
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -24.575 $\pm$ 0.051 χ^2 /NDF:8585.1/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -23.901 $\pm$ 0.051 χ^2 /NDF:9154.9/22

Left: -24.239 $\pm$ 0.036 χ^2 /NDF: 17827.2/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -23.901 $\pm$ 0.051 χ^2 /NDF:9154.9/22
 Out: -24.575 $\pm$ 0.051 χ^2 /NDF:8585.1/24

All: -24.239 $\pm$ 0.036 χ^2 /NDF: 17827.2/47

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.736+/-0.187 χ^2/NDF : 378.1/16

Left Out: -5.695+/-0.041 χ^2/NDF : 2256.6/24

Right Out: -7.975+/-0.186 χ^2/NDF : 223.2/18

Left In: -5.696+/-0.041 χ^2/NDF : 2309.8/22

Left: -5.696+/-0.029 χ^2/NDF : 4566.4/47

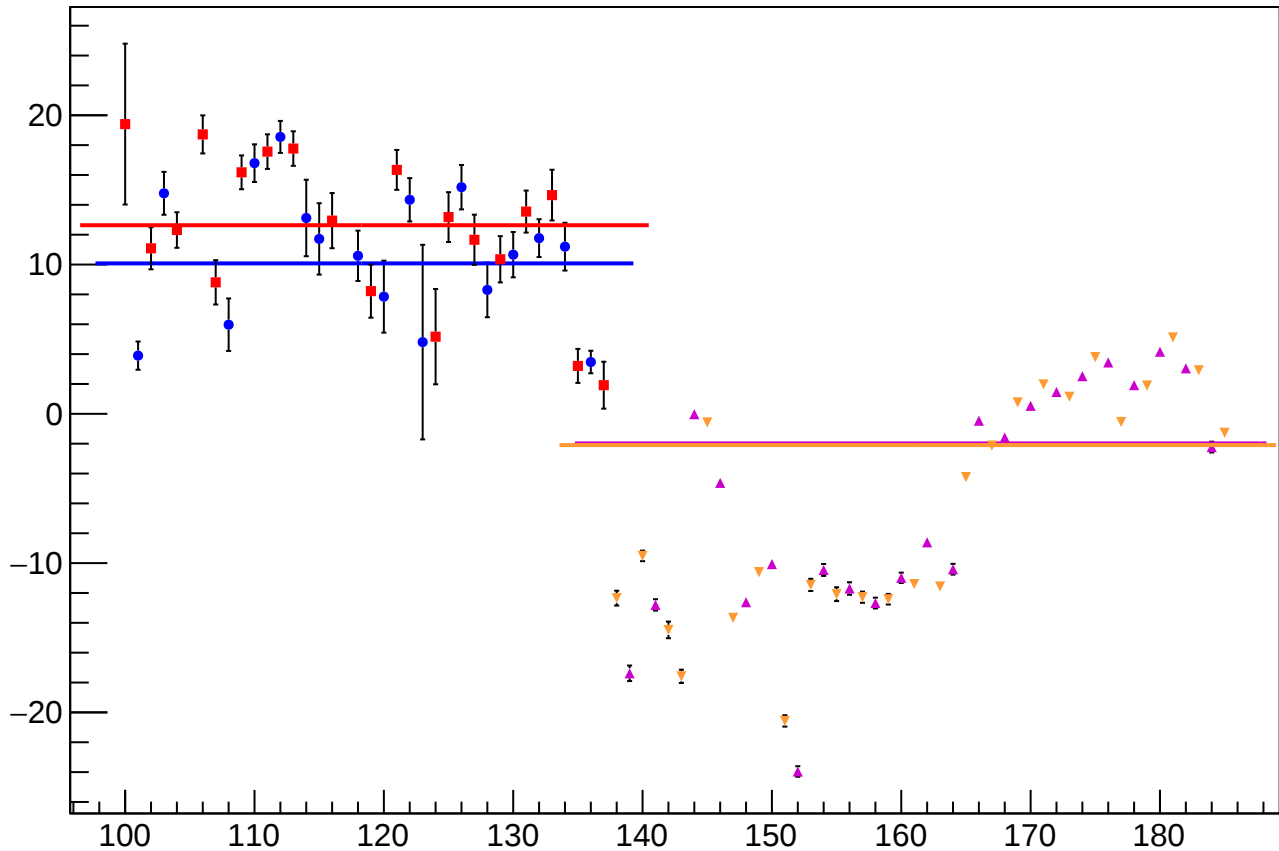
Right: -7.856+/-0.132 χ^2/NDF : 602.0/35

In: -5.788+/-0.040 χ^2/NDF : 2801.0/39

Out: -5.801+/-0.040 χ^2/NDF : 2622.8/43

All: -5.795+/-0.028 χ^2/NDF : 5423.9/83

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.078 ± 0.339 $\chi^2/\text{NDF}: 253.6/16$

Left Out: -2.094 ± 0.051 $\chi^2/\text{NDF}: 16301.9/24$

Right Out: 12.634 ± 0.333 $\chi^2/\text{NDF}: 218.7/18$

Left In: -1.980 ± 0.051 $\chi^2/\text{NDF}: 15382.3/22$

Left: -2.037 ± 0.036 $\chi^2/\text{NDF}: 31686.7/47$

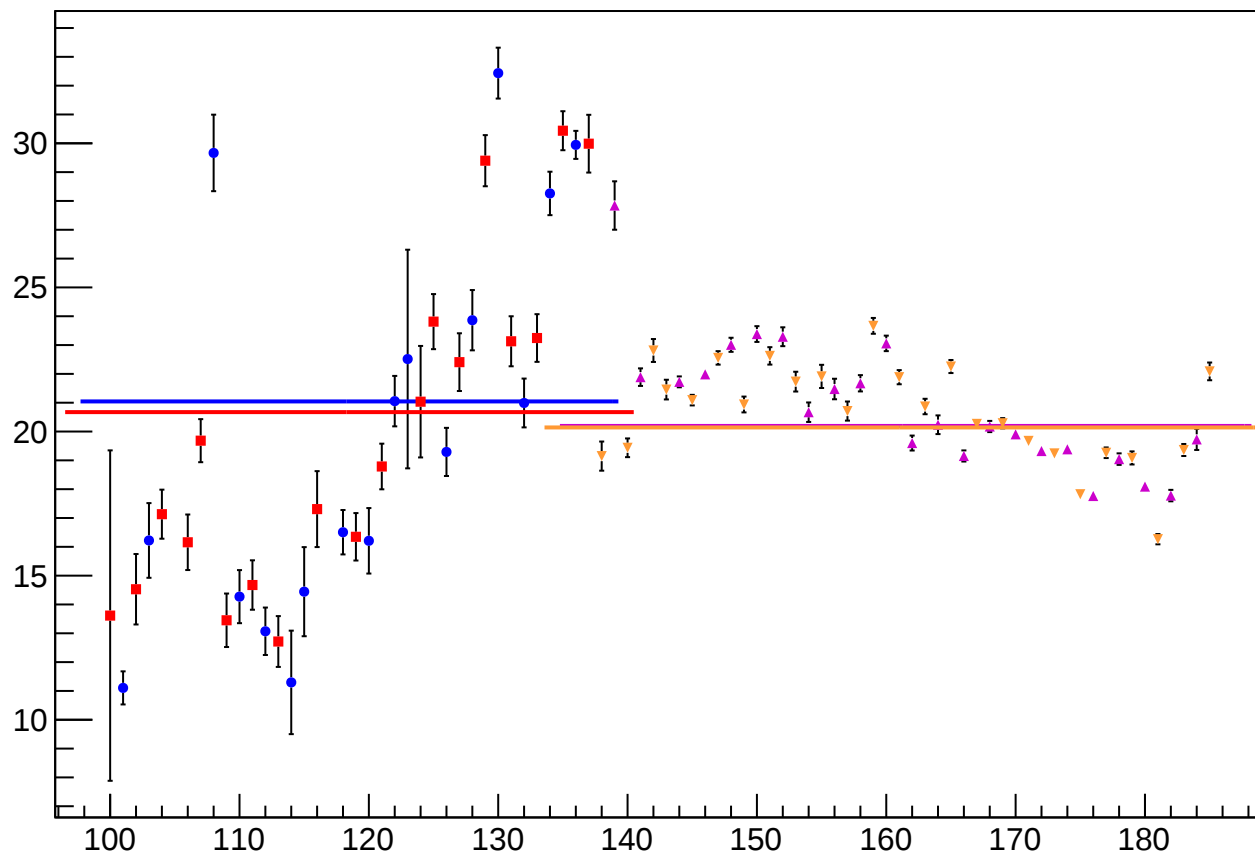
Right: 11.376 ± 0.237 $\chi^2/\text{NDF}: 501.2/35$

In: -1.710 ± 0.051 $\chi^2/\text{NDF}: 16876.2/39$

Out: -1.751 ± 0.051 $\chi^2/\text{NDF}: 18428.8/43$

All: -1.731 ± 0.036 $\chi^2/\text{NDF}: 35305.4/83$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.045 $\pm$ 0.211 χ^2 /NDF: 1209.4/16

Left Out: 20.142 $\pm$ 0.046 χ^2 /NDF:1418.5/24

Right Out: 20.674 $\pm$ 0.213 χ^2 /NDF: 721.7/18

Left In: 20.194 $\pm$ 0.046 χ^2 /NDF:1447.4/22

Left: 20.168 $\pm$ 0.032 χ^2 /NDF: 2866.6/47

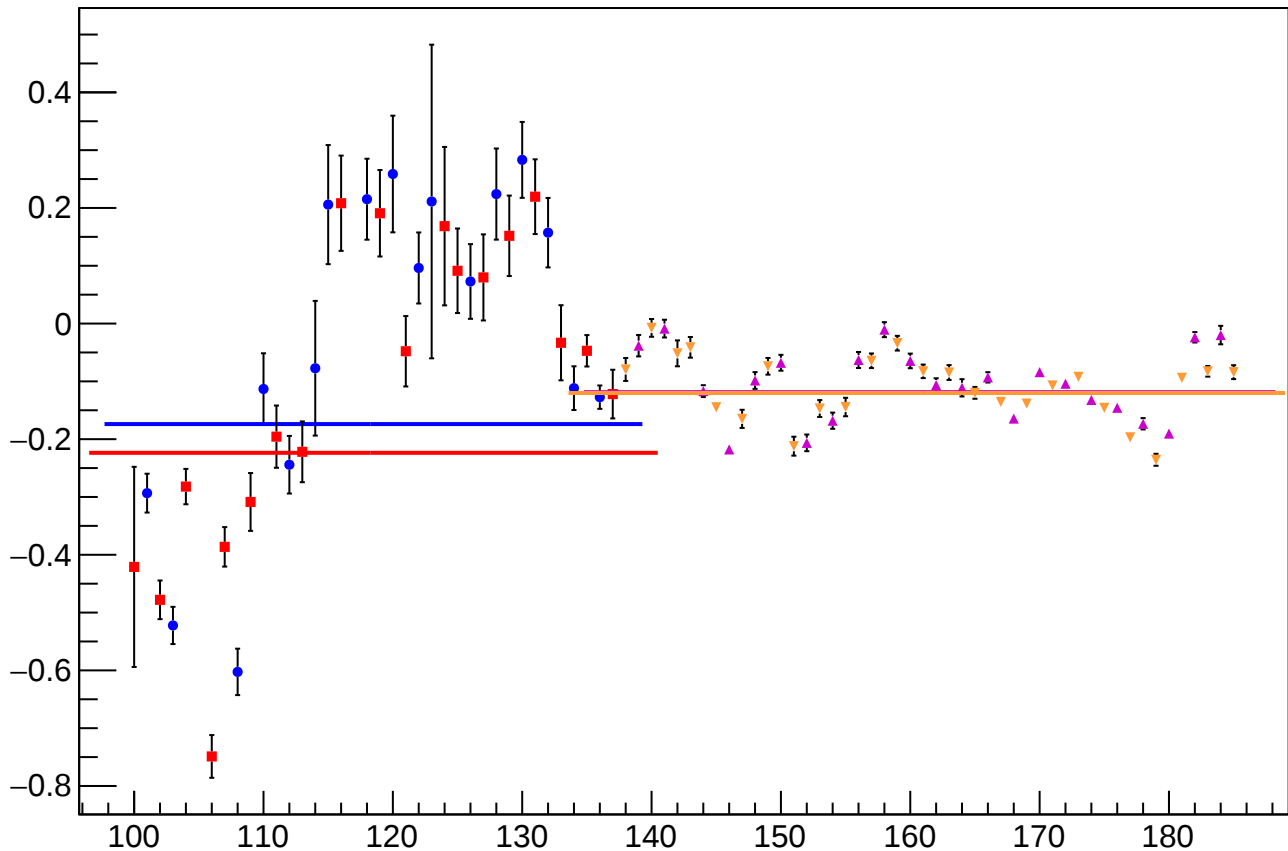
Right: 20.861 $\pm$ 0.150 χ^2 /NDF: 1932.6/35

In: 20.232 $\pm$ 0.045 χ^2 /NDF:2672.2/39

Out: 20.165 $\pm$ 0.045 χ^2 /NDF:2146.2/43

All: 20.199 $\pm$ 0.032 χ^2 /NDF: 4819.5/83

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.174 ± 0.011 χ^2/NDF : 458.2/16

Left Out: -0.120 ± 0.002 χ^2/NDF : 530.2/24

Right Out: -0.224 ± 0.011 χ^2/NDF : 533.0/18

Left In: -0.119 ± 0.002 χ^2/NDF : 721.8/22

Left: -0.119 ± 0.001 χ^2/NDF : 1252.2/47

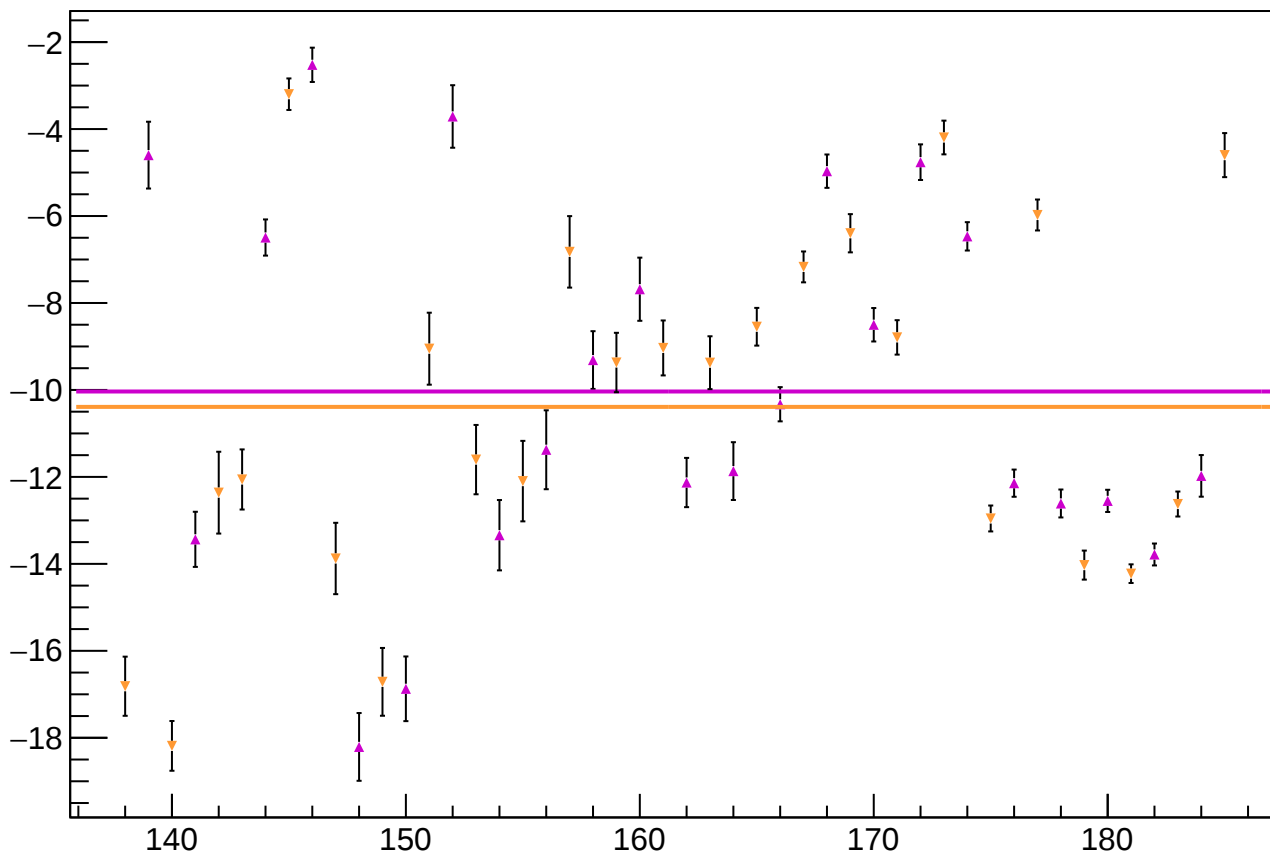
Right: -0.199 ± 0.008 χ^2/NDF : 1001.2/35

In: -0.121 ± 0.002 χ^2/NDF : 1203.4/39

Out: -0.124 ± 0.002 χ^2/NDF : 1148.9/43

All: -0.122 ± 0.001 χ^2/NDF : 2353.5/83

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



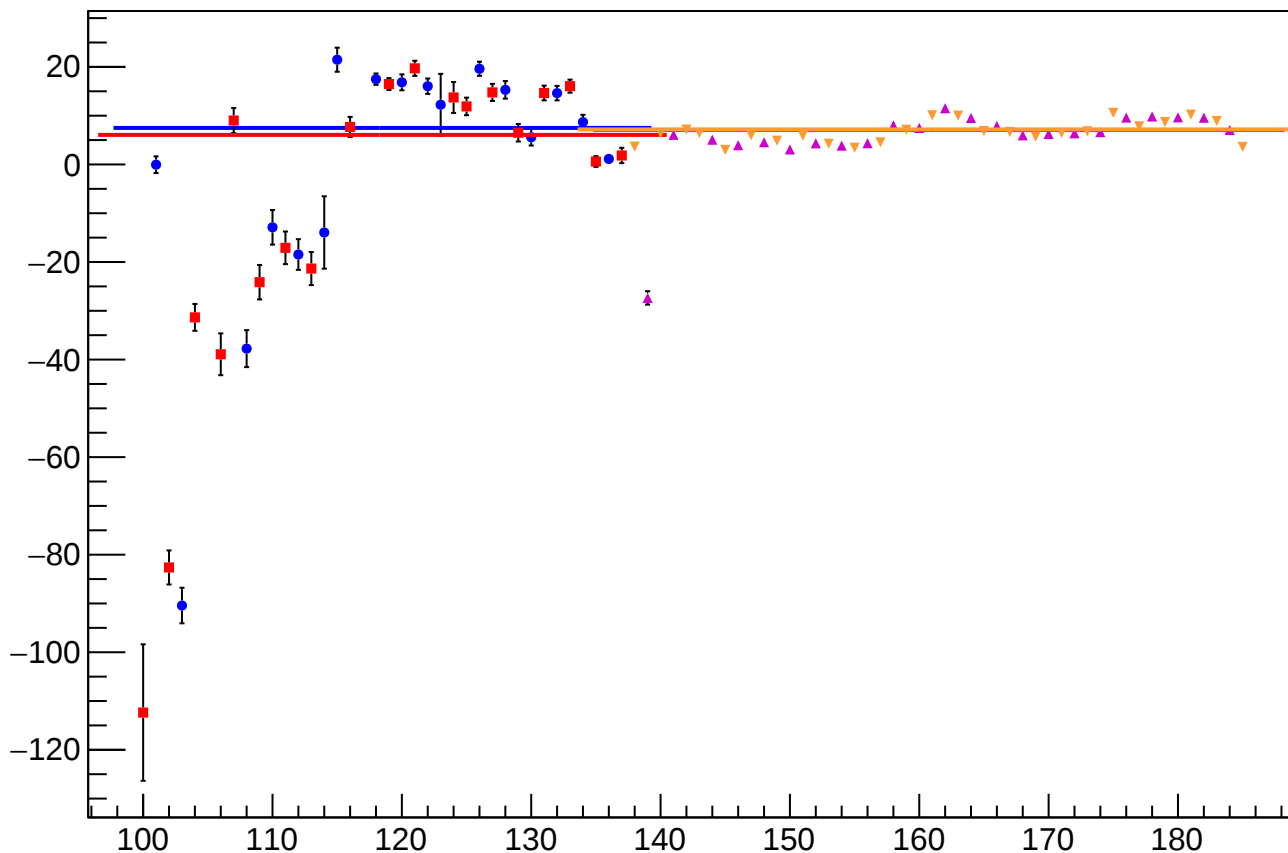
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -10.390+/-0.088 χ^2/NDF :2111.3/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -10.036+/-0.090 χ^2/NDF :1758.7/22

Left: -10.216+/-0.063 χ^2/NDF : 3877.9/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -10.036+/-0.090 χ^2/NDF :1758.7/22
 Out: -10.390+/-0.088 χ^2/NDF :2111.3/24

All: -10.216+/-0.063 χ^2/NDF : 3877.9/47

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.489 ± 0.407 χ^2/NDF : 1340.6/16

Left Out: 7.183 ± 0.073 χ^2/NDF : 917.0/24

Right Out: 6.061 ± 0.435 χ^2/NDF : 1511.9/18

Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

Left: 7.119 ± 0.052 χ^2/NDF : 2454.4/47

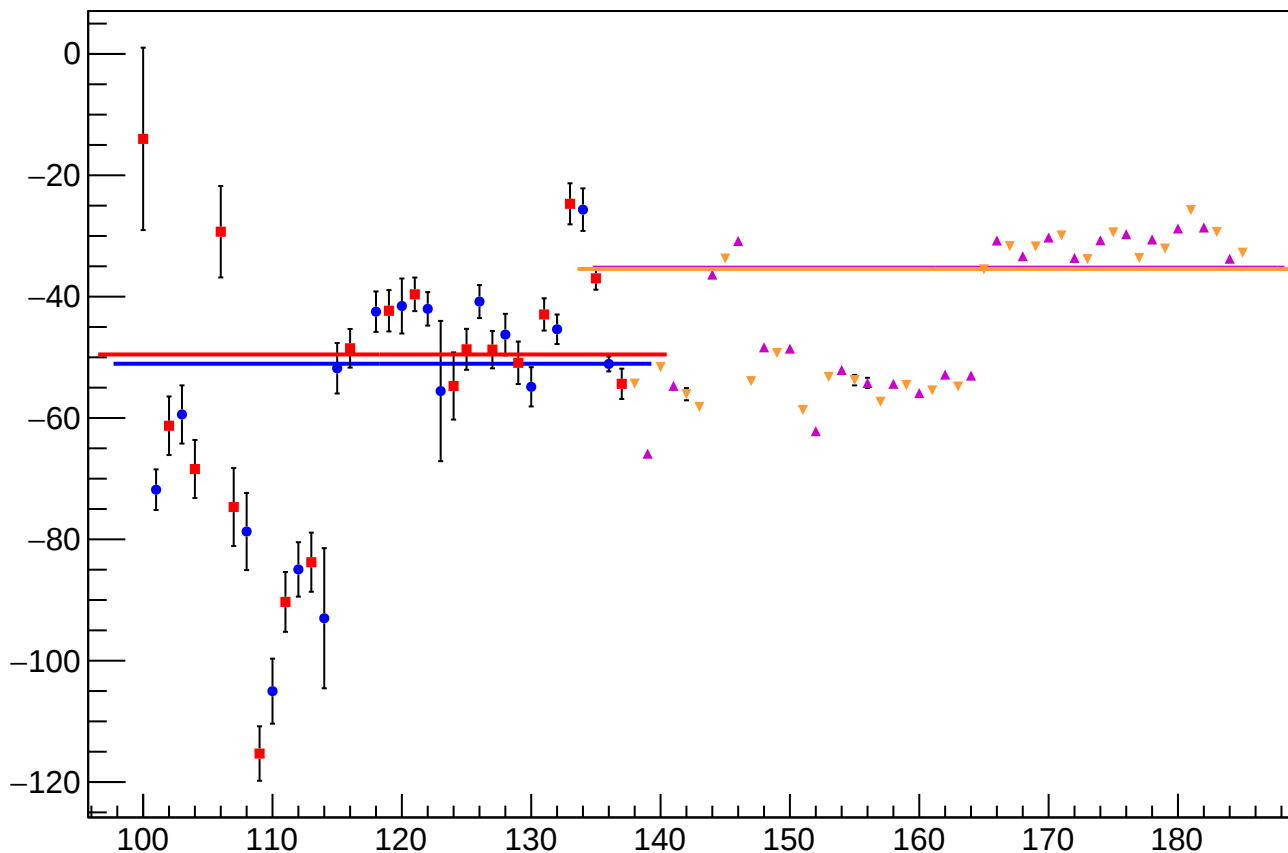
Right: 6.822 ± 0.297 χ^2/NDF : 2858.2/35

In: 7.067 ± 0.073 χ^2/NDF : 2877.5/39

Out: 7.152 ± 0.072 χ^2/NDF : 2435.4/43

All: 7.110 ± 0.051 χ^2/NDF : 5313.6/83

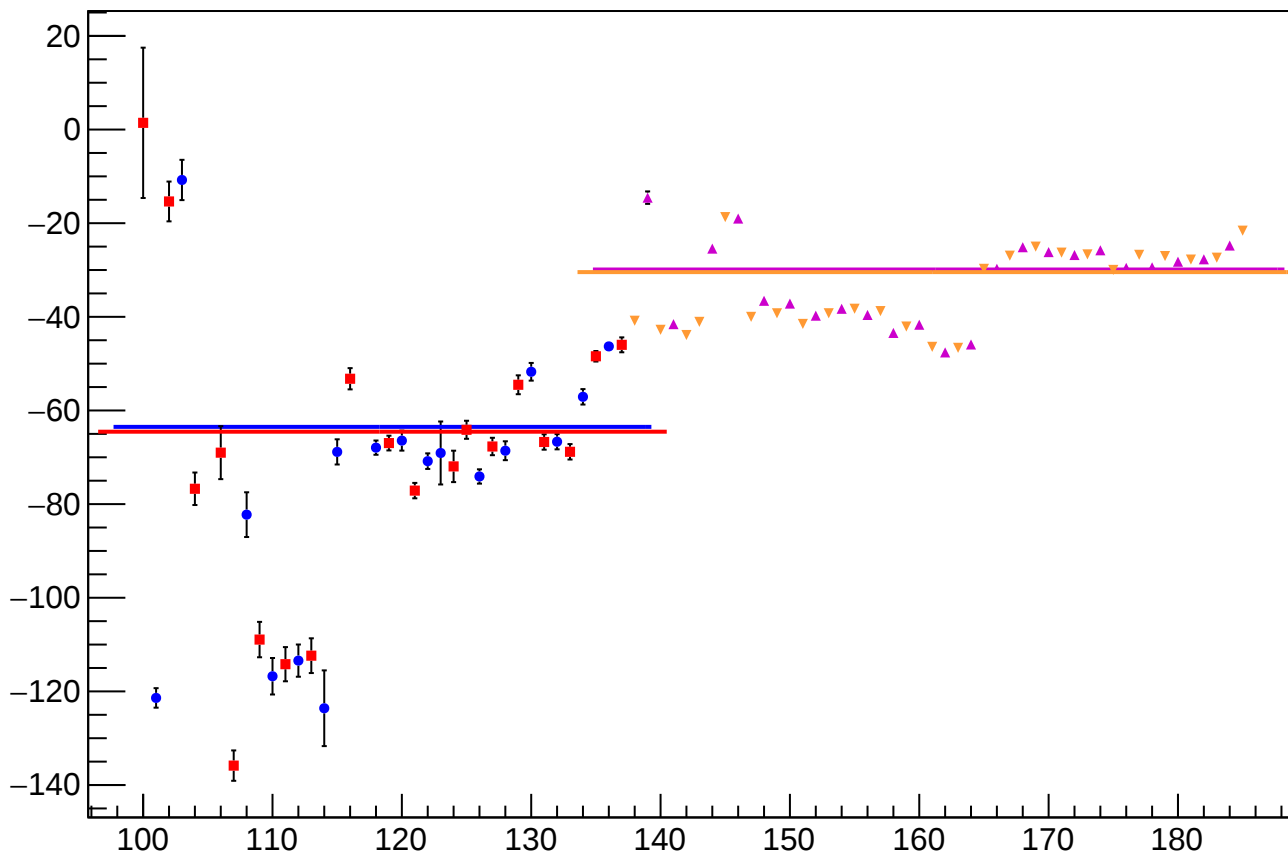
reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -51.060 ± 0.742 χ^2/NDF : 329.6/16
 Left Out: -35.435 ± 0.089 χ^2/NDF : 12783.6/24
 Right Out: -49.531 ± 0.800 χ^2/NDF : 509.2/18
 Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

Left: -35.333 ± 0.063 χ^2/NDF : 24389.1/47
 Right: -50.353 ± 0.544 χ^2/NDF : 840.8/35
 In: -35.459 ± 0.089 χ^2/NDF : 12381.4/39
 Out: -35.608 ± 0.088 χ^2/NDF : 13599.4/43
 All: -35.534 ± 0.063 χ^2/NDF : 25982.2/83

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.501 ± 0.449 χ^2/NDF : 2006.3/16

Left Out: -30.448 ± 0.082 χ^2/NDF : 8168.5/24

Right Out: -64.533 ± 0.484 χ^2/NDF : 1604.2/18

Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

Left: -30.173 ± 0.058 χ^2/NDF : 15306.4/47

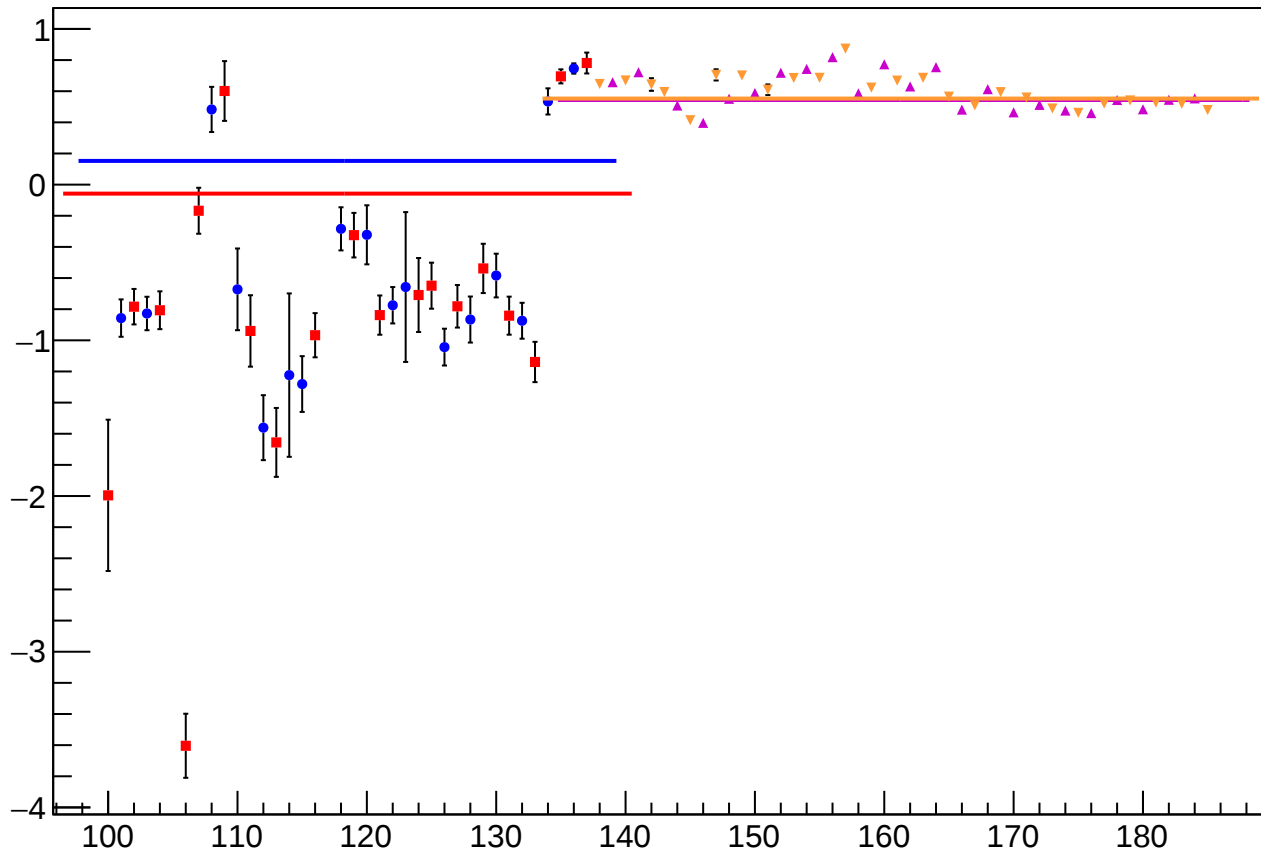
Right: -63.979 ± 0.329 χ^2/NDF : 3613.0/35

In: -30.991 ± 0.081 χ^2/NDF : 14535.8/39

Out: -31.389 ± 0.080 χ^2/NDF : 14598.7/43

All: -31.192 ± 0.057 χ^2/NDF : 29146.6/83

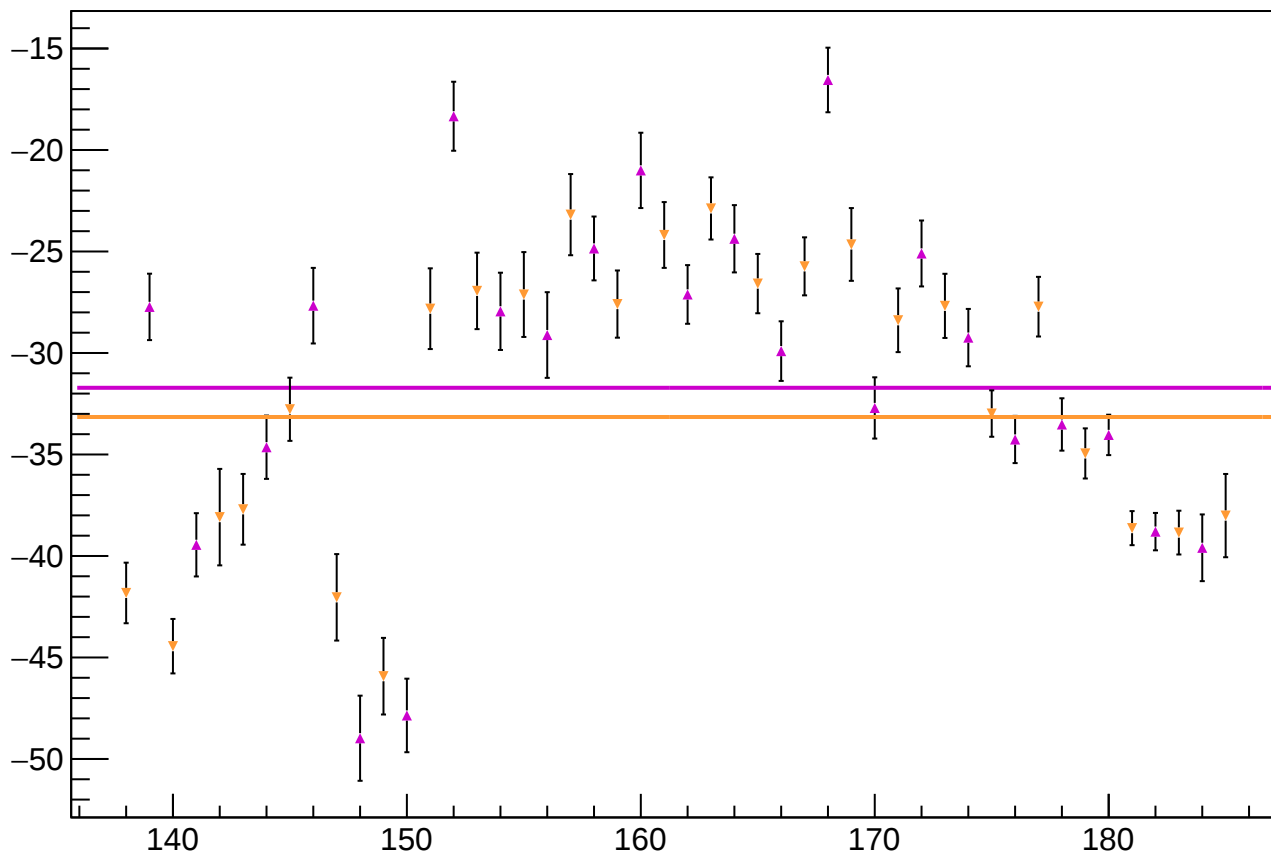
reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$
 Left Out: 0.553 ± 0.004 $\chi^2/\text{NDF}: 542.1/24$
 Right Out: -0.058 ± 0.026 $\chi^2/\text{NDF}: 1160.4/18$
 Left In: 0.544 ± 0.004 $\chi^2/\text{NDF}: 655.9/22$

Left: 0.548 ± 0.003 $\chi^2/\text{NDF}: 1201.0/47$
 Right: 0.057 ± 0.018 $\chi^2/\text{NDF}: 2182.5/35$
 In: 0.534 ± 0.004 $\chi^2/\text{NDF}: 1901.6/39$
 Out: 0.541 ± 0.004 $\chi^2/\text{NDF}: 2230.2/43$
 All: 0.538 ± 0.003 $\chi^2/\text{NDF}: 4133.4/83$

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



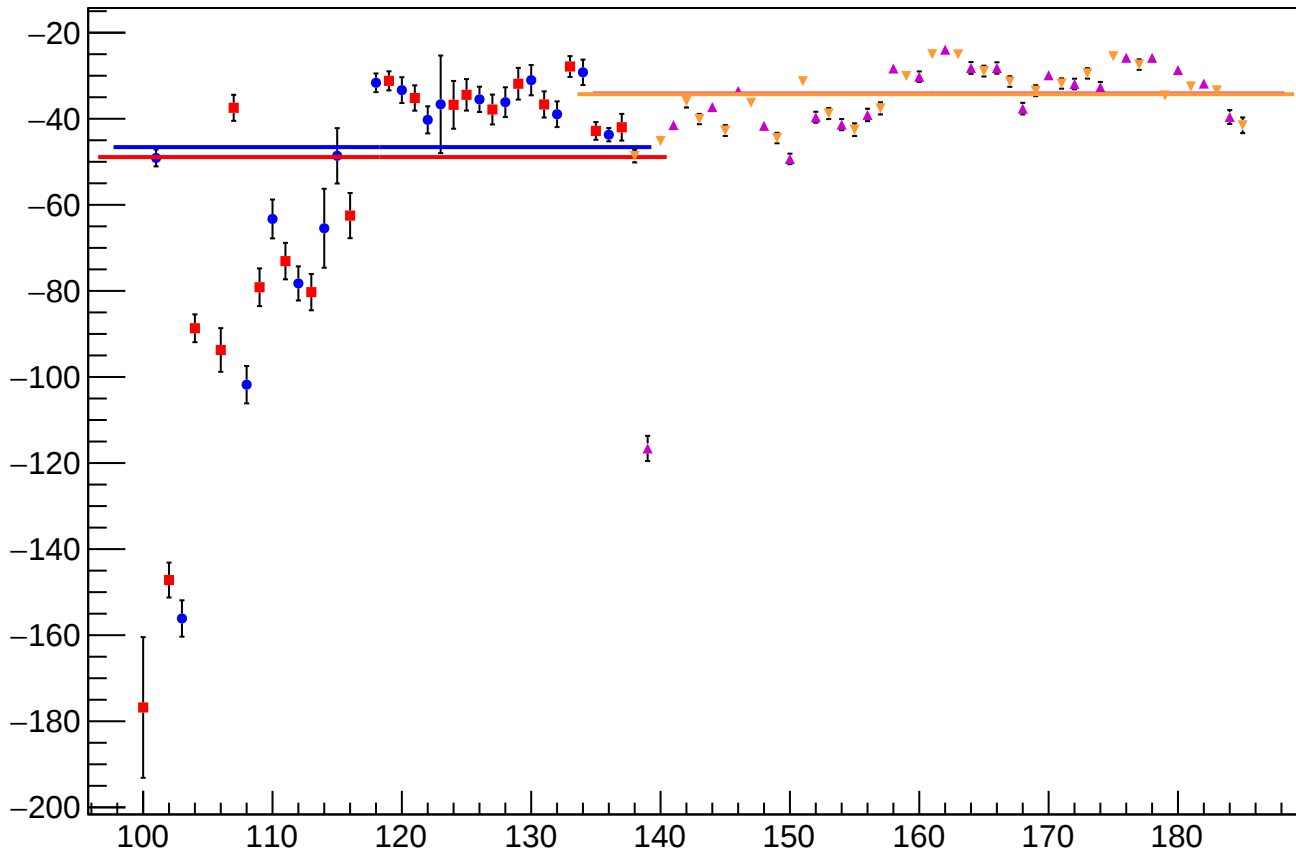
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -33.154+/-0.300 χ^2/NDF : 499.9/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -31.714+/-0.309 χ^2/NDF : 542.3/22

Left: -32.454+/-0.215 χ^2/NDF : 1053.3/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.714+/-0.309 χ^2/NDF : 542.3/22
 Out: -33.154+/-0.300 χ^2/NDF : 499.9/24

All: -32.454+/-0.215 χ^2/NDF : 1053.3/47

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.587 ± 0.730 χ^2/NDF : 1076.0/16

Left Out: -34.285 ± 0.241 χ^2/NDF : 695.4/24

Right Out: -48.904 ± 0.764 χ^2/NDF : 1277.6/18

Left In: -34.145 ± 0.251 χ^2/NDF : 1452.6/22

Left: -34.217 ± 0.174 χ^2/NDF : 2148.1/47

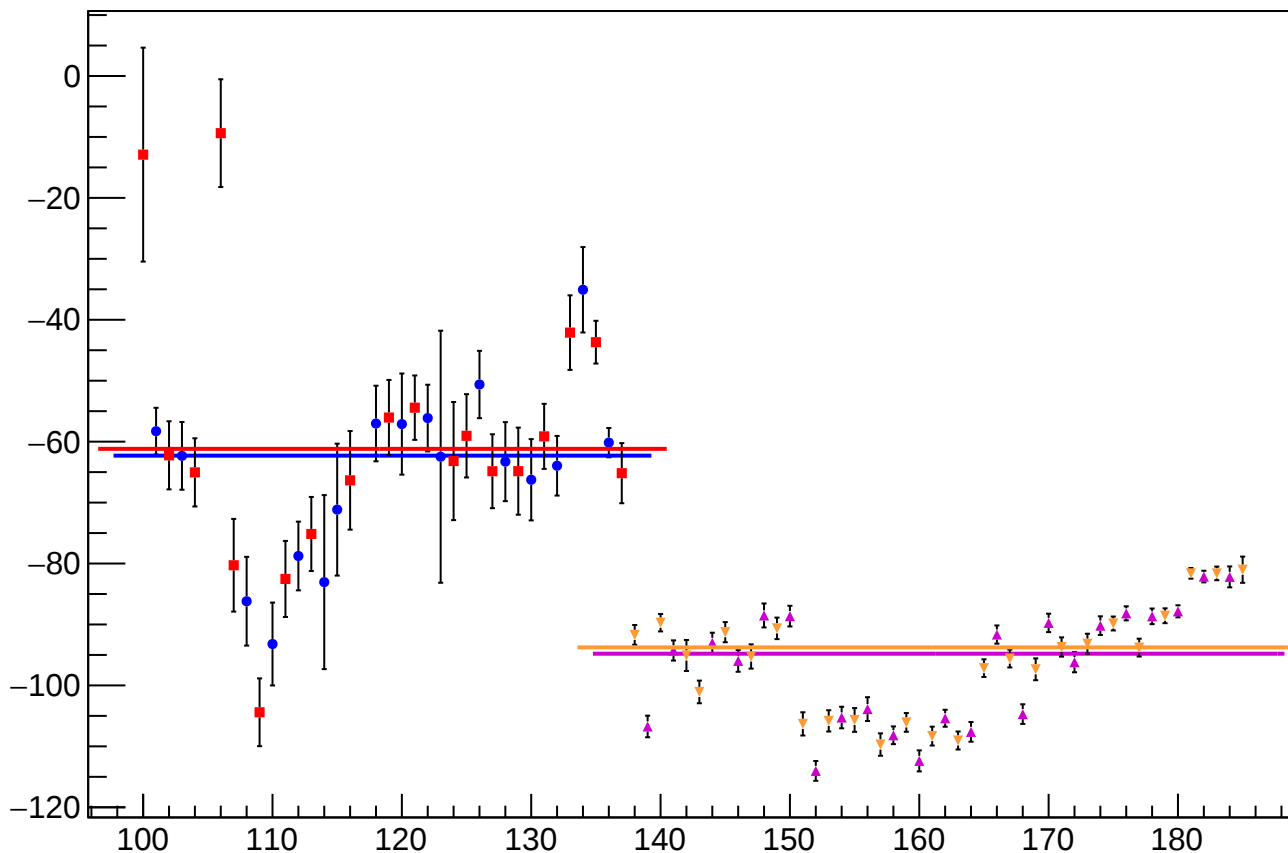
Right: -47.693 ± 0.528 χ^2/NDF : 2358.5/35

In: -35.457 ± 0.237 χ^2/NDF : 2788.2/39

Out: -35.611 ± 0.230 χ^2/NDF : 2305.5/43

All: -35.536 ± 0.165 χ^2/NDF : 5093.9/83

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.294 ± 1.317 $\chi^2/\text{NDF}: 67.1/16$

Left Out: -93.760 ± 0.302 $\chi^2/\text{NDF}: 882.3/24$

Right Out: -61.180 ± 1.383 $\chi^2/\text{NDF}: 165.0/18$

Left In: -94.796 ± 0.308 $\chi^2/\text{NDF}: 974.7/22$

Left: -94.267 ± 0.216 $\chi^2/\text{NDF}: 1862.7/47$

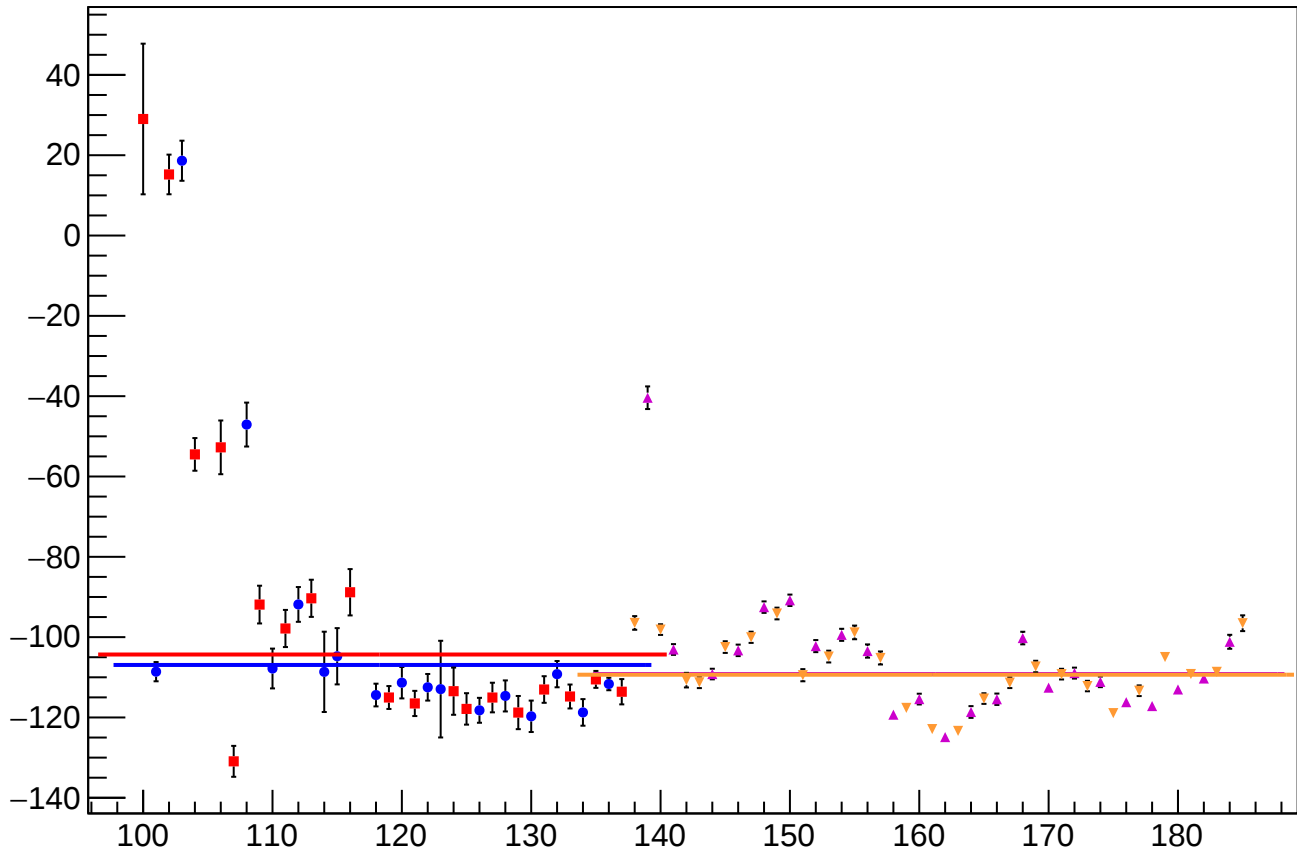
Right: -61.765 ± 0.954 $\chi^2/\text{NDF}: 232.4/35$

In: -93.106 ± 0.300 $\chi^2/\text{NDF}: 1619.0/39$

Out: -92.279 ± 0.295 $\chi^2/\text{NDF}: 1577.0/43$

All: -92.685 ± 0.210 $\chi^2/\text{NDF}: 3199.8/83$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.926 ± 0.818 $\chi^2/\text{NDF}: 826.7/16$

Left Out: -109.354 ± 0.271 $\chi^2/\text{NDF}: 826.8/24$

Right Out: -104.324 ± 0.863 $\chi^2/\text{NDF}: 1020.5/18$

Left In: -109.184 ± 0.280 $\chi^2/\text{NDF}: 1501.1/22$

Left: -109.272 ± 0.195 $\chi^2/\text{NDF}: 2328.1/47$

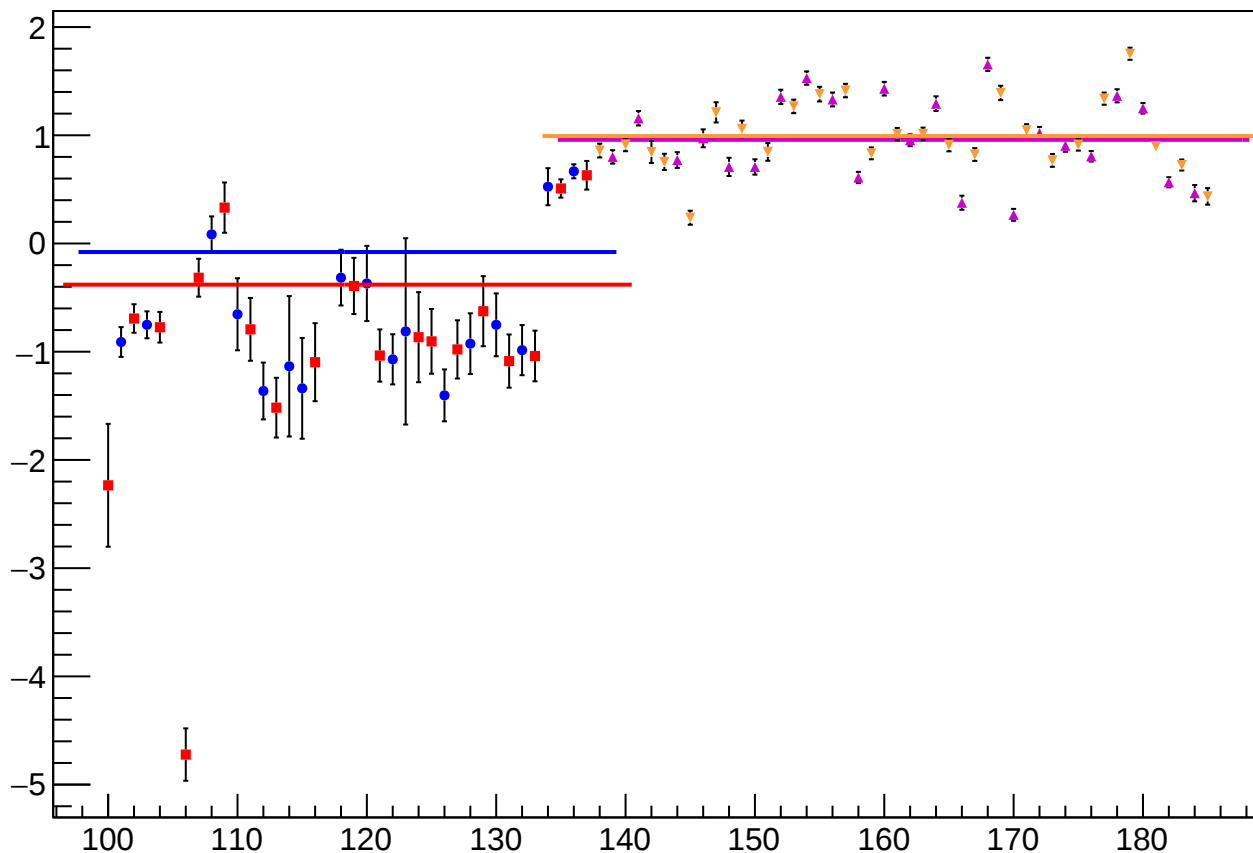
Right: -105.694 ± 0.594 $\chi^2/\text{NDF}: 1852.0/35$

In: -108.948 ± 0.265 $\chi^2/\text{NDF}: 2334.7/39$

Out: -108.902 ± 0.259 $\chi^2/\text{NDF}: 1878.2/43$

All: -108.924 ± 0.185 $\chi^2/\text{NDF}: 4212.9/83$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.079 ± 0.042 χ^2/NDF : 328.6/16

Left Out: 0.993 ± 0.012 χ^2/NDF : 639.0/24

Right Out: -0.380 ± 0.044 χ^2/NDF : 580.2/18

Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

Left: 0.976 ± 0.009 χ^2/NDF : 1537.3/47

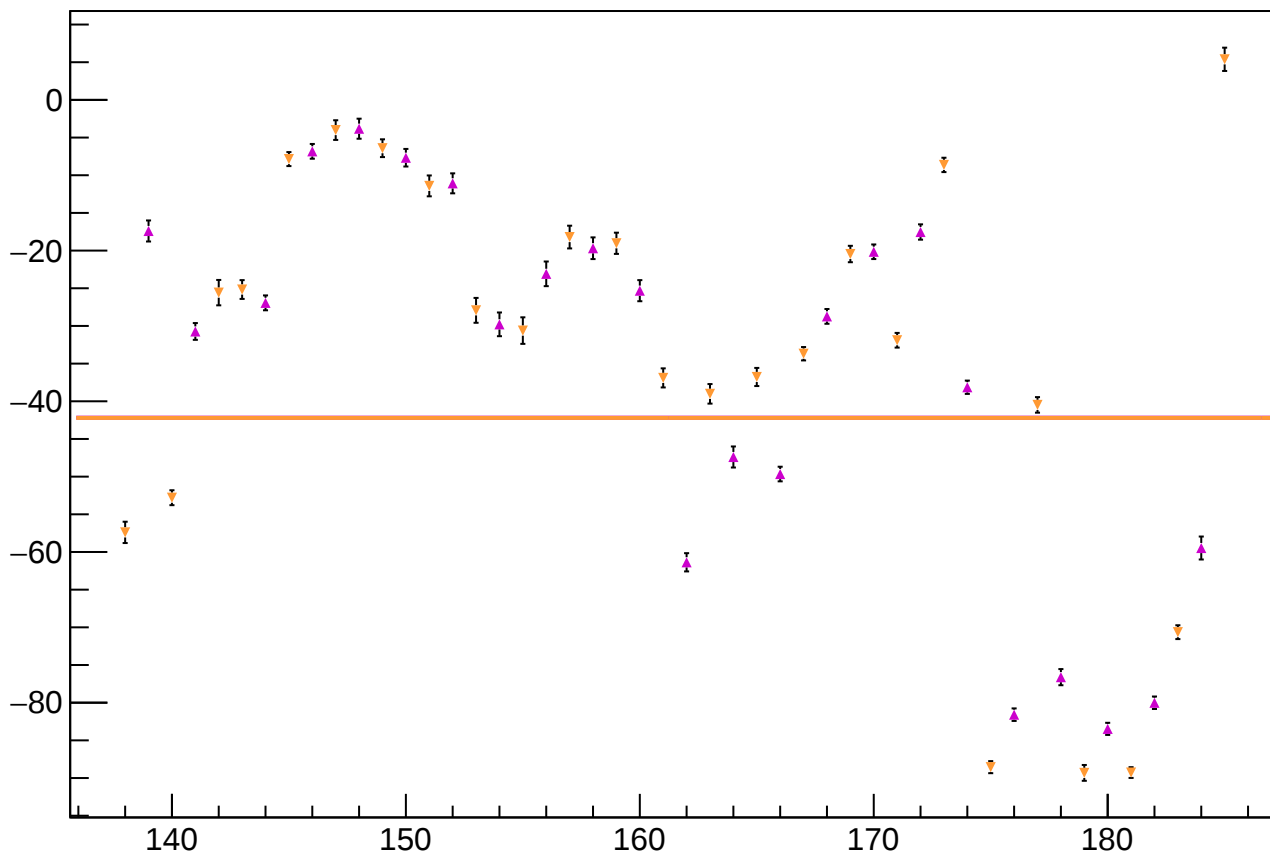
Right: -0.223 ± 0.031 χ^2/NDF : 933.1/35

In: 0.873 ± 0.012 χ^2/NDF : 1774.6/39

Out: 0.892 ± 0.012 χ^2/NDF : 2119.5/43

All: 0.882 ± 0.009 χ^2/NDF : 3895.4/83

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -42.205+/-0.222 χ^2/NDF :18306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -42.176+/-0.227 χ^2/NDF :14575.9/22

Left: -42.191+/-0.159 χ^2/NDF : 32881.9/47

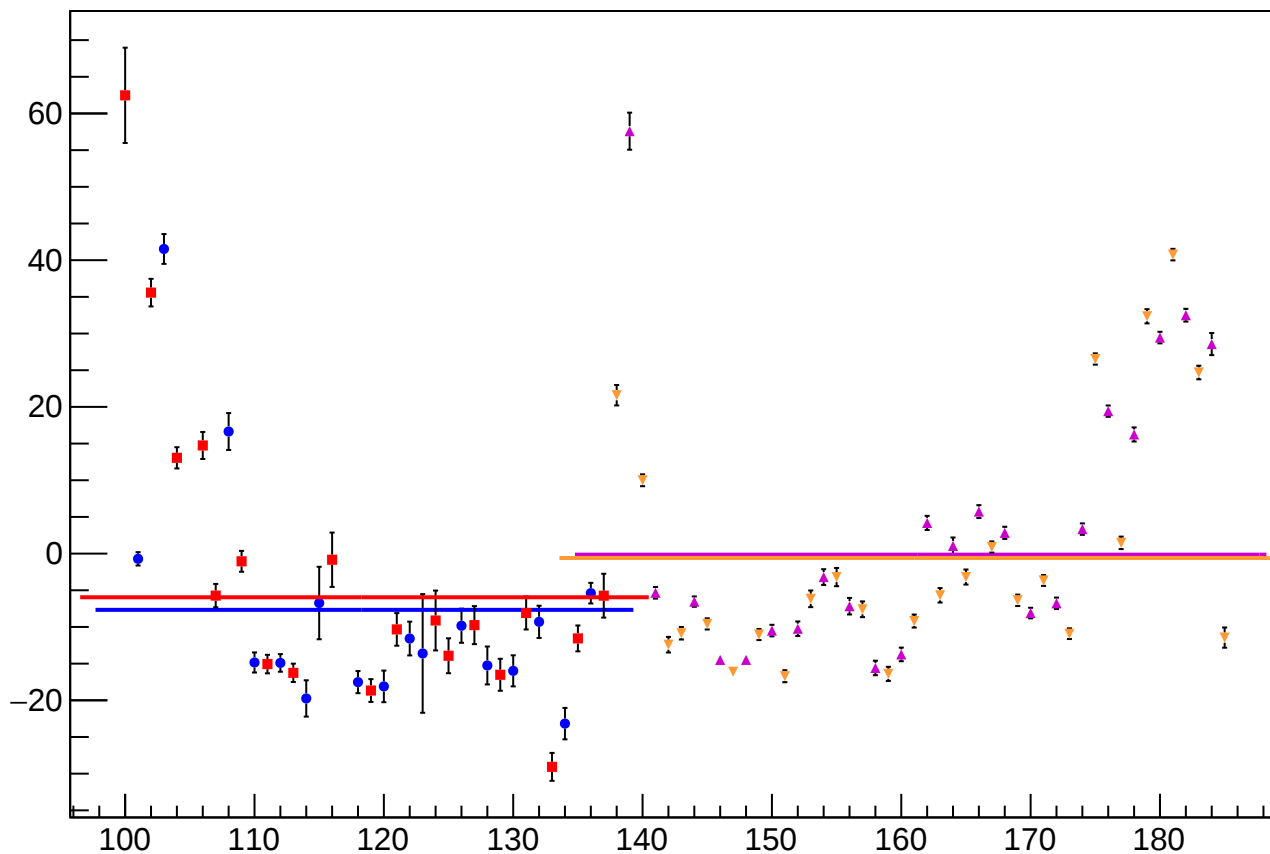
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -42.176+/-0.227 χ^2/NDF :14575.9/22

Out: -42.205+/-0.222 χ^2/NDF :18306.0/24

All: -42.191+/-0.159 χ^2/NDF : 32881.9/47

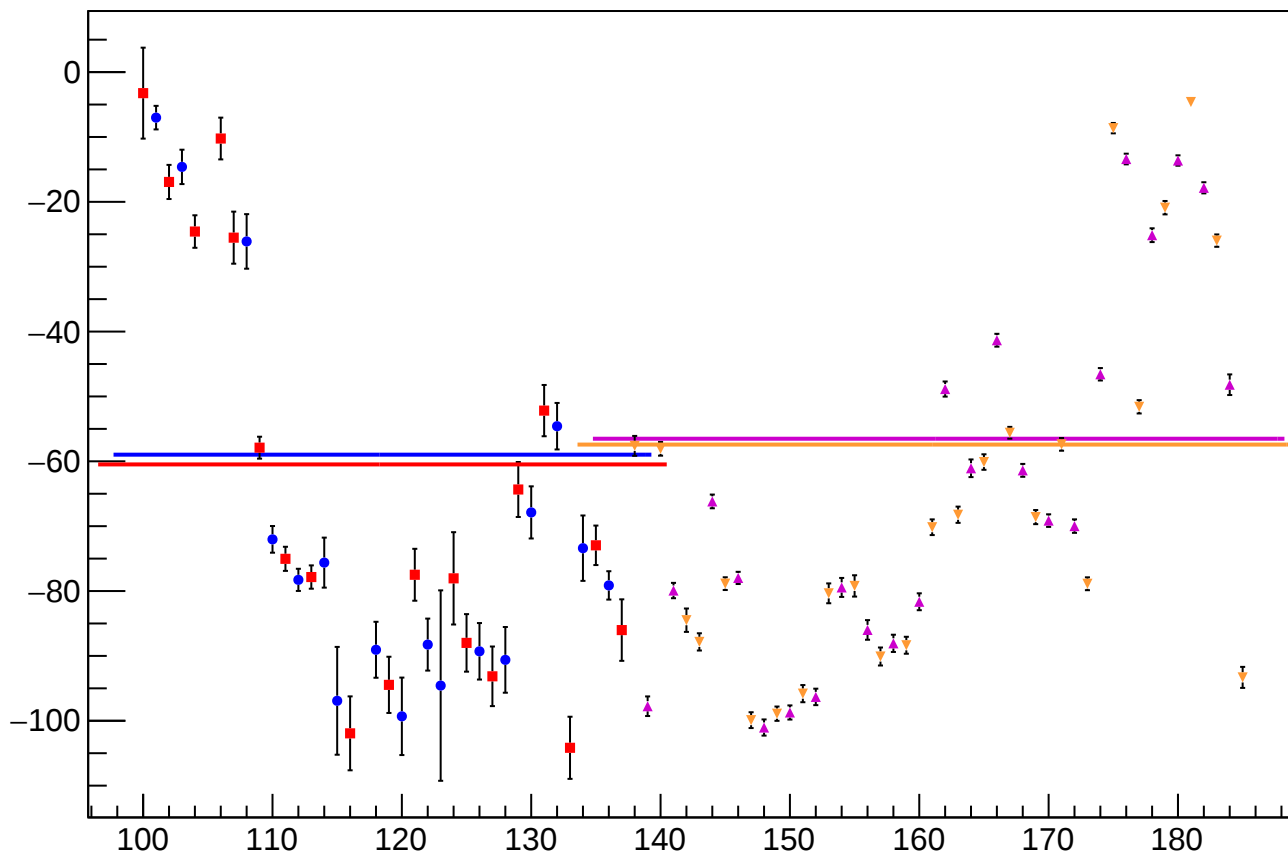
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.668 ± 0.431 $\chi^2/\text{NDF}: 975.9/16$
 Left Out: -0.601 ± 0.174 $\chi^2/\text{NDF}: 8734.2/24$
 Right Out: -5.954 ± 0.429 $\chi^2/\text{NDF}: 1298.5/18$
 Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

Left: -0.378 ± 0.125 $\chi^2/\text{NDF}: 15600.0/47$
 Right: -6.808 ± 0.304 $\chi^2/\text{NDF}: 2282.3/35$
 In: -1.252 ± 0.165 $\chi^2/\text{NDF}: 8098.6/39$
 Out: -1.358 ± 0.161 $\chi^2/\text{NDF}: 10166.2/43$
 All: -1.306 ± 0.116 $\chi^2/\text{NDF}: 18265.0/83$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.976 ± 0.747 χ^2/NDF : 1707.7/16

Left Out: -57.420 ± 0.223 χ^2/NDF : 18602.8/24

Right Out: -60.479 ± 0.705 χ^2/NDF : 1384.2/18

Left In: -56.519 ± 0.227 χ^2/NDF : 16352.6/22

Left: -56.977 ± 0.159 χ^2/NDF : 34963.3/47

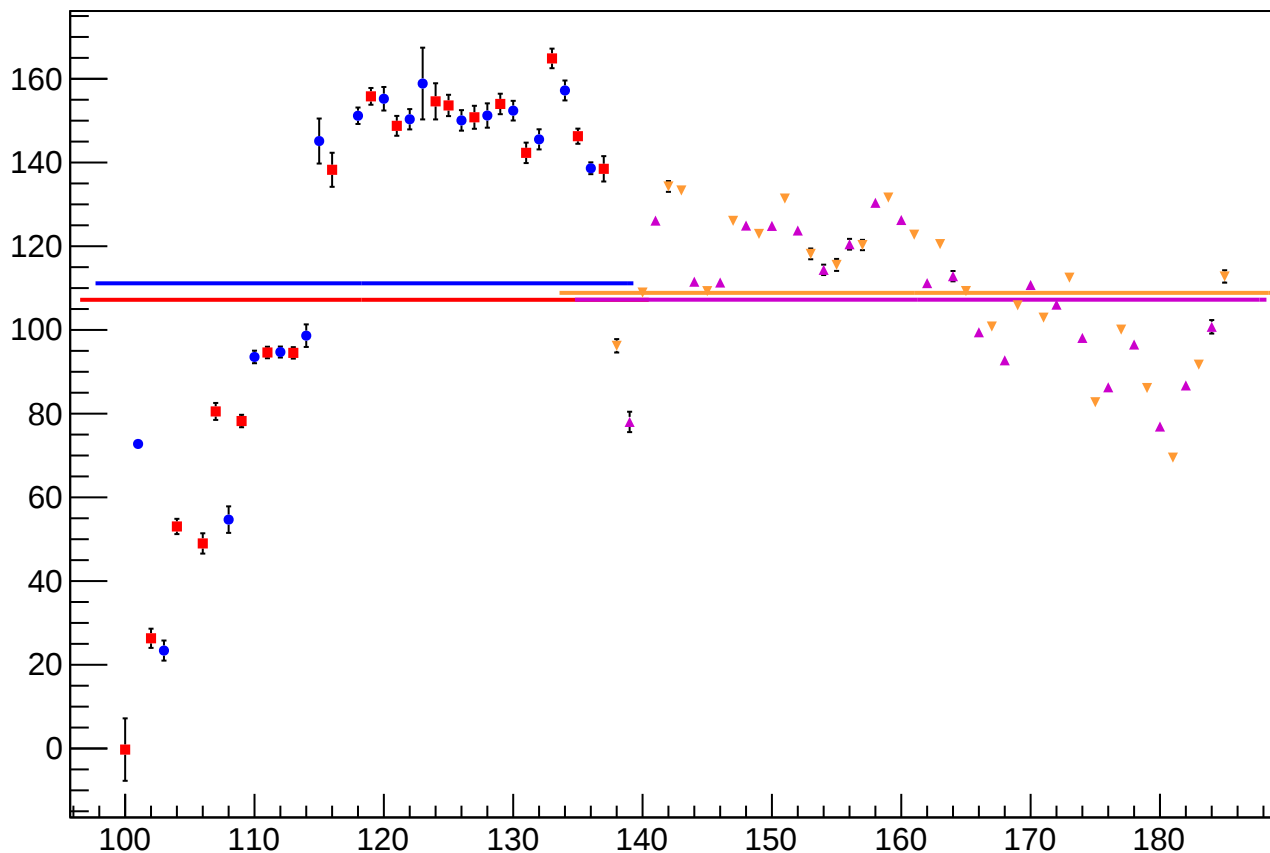
Right: -59.771 ± 0.513 χ^2/NDF : 3094.0/35

In: -56.727 ± 0.217 χ^2/NDF : 18070.1/39

Out: -57.699 ± 0.213 χ^2/NDF : 20004.0/43

All: -57.223 ± 0.152 χ^2/NDF : 38084.4/83

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.139 $\pm$ 0.490 χ^2 /NDF: 5863.6/16

Left Out: 108.859 $\pm$ 0.197 χ^2 /NDF: 7389.5/24

Right Out: 107.202 $\pm$ 0.488 χ^2 /NDF: 7042.9/18

Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

Left: 108.063 $\pm$ 0.141 χ^2 /NDF: 12988.2/47

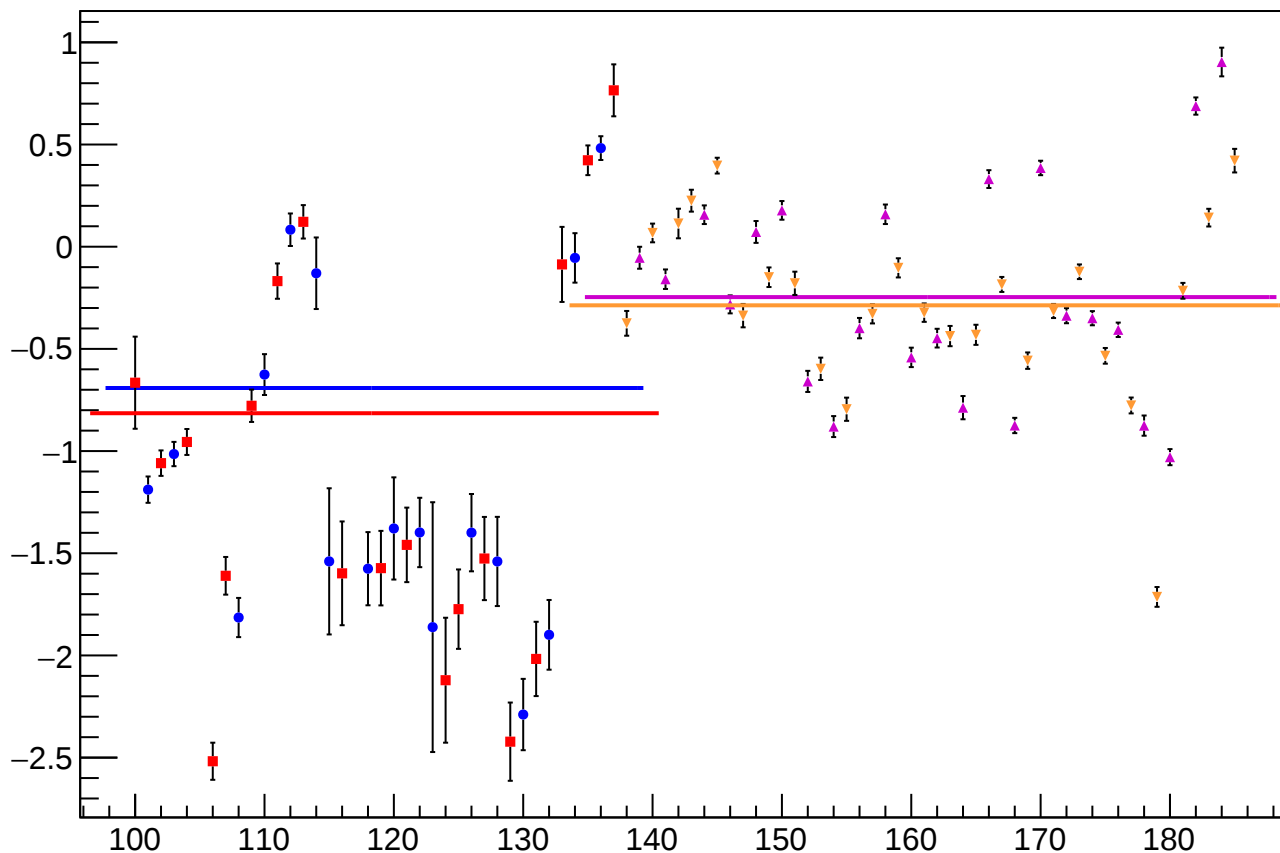
Right: 109.164 $\pm$ 0.346 χ^2 /NDF: 12938.9/35

In: 107.795 $\pm$ 0.187 χ^2 /NDF: 11483.4/39

Out: 108.627 $\pm$ 0.183 χ^2 /NDF: 14442.3/43

All: 108.220 $\pm$ 0.131 χ^2 /NDF: 25935.8/83

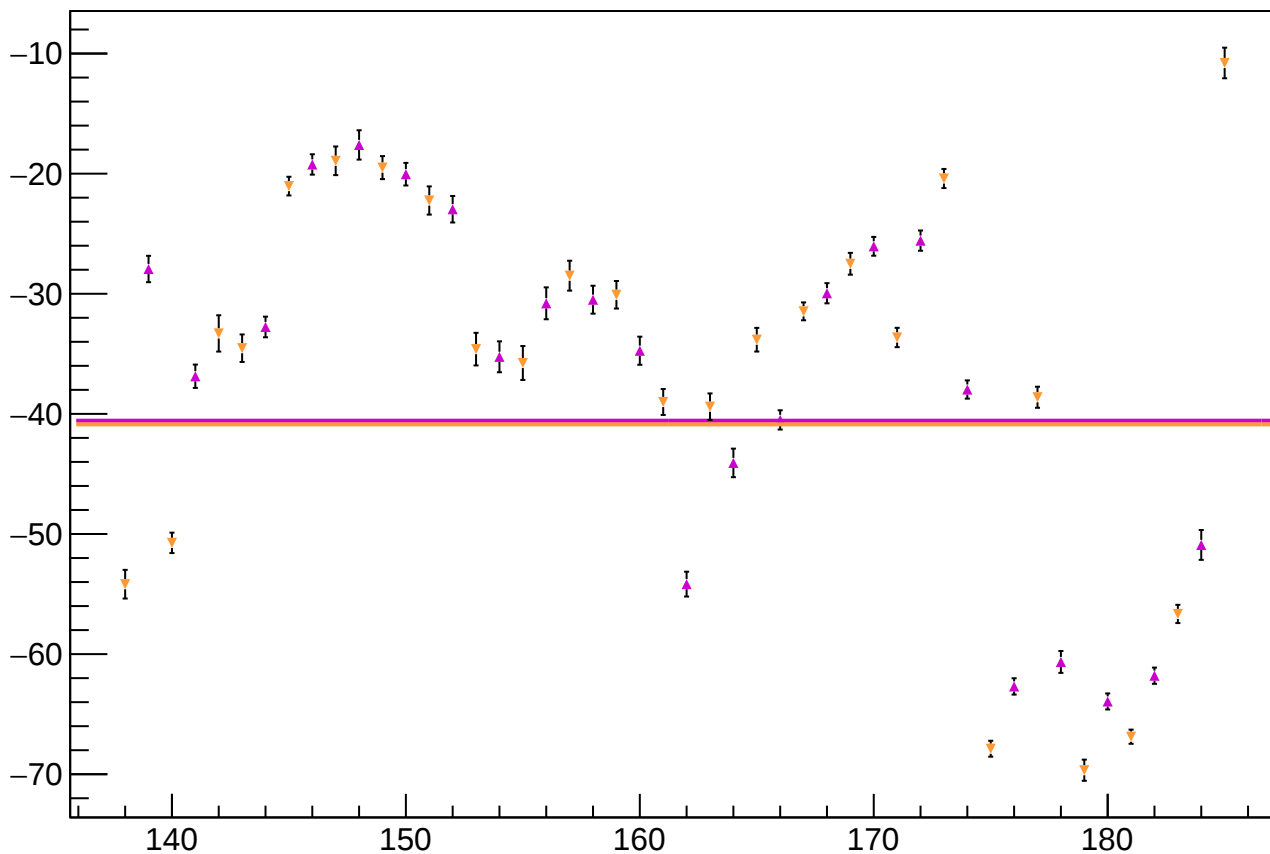
reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691 ± 0.026 χ^2/NDF : 988.9/16
 Left Out: -0.287 ± 0.009 χ^2/NDF : 2053.6/24
 Right Out: -0.815 ± 0.024 χ^2/NDF : 1302.6/18
 Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

Left: -0.267 ± 0.006 χ^2/NDF : 4856.0/47
 Right: -0.757 ± 0.018 χ^2/NDF : 2303.5/35
 In: -0.297 ± 0.009 χ^2/NDF : 4044.1/39
 Out: -0.351 ± 0.009 χ^2/NDF : 3768.1/43
 All: -0.325 ± 0.006 χ^2/NDF : 7831.8/83

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -40.873 $\pm$ 0.186 χ^2 /NDF:9120.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -40.567 $\pm$ 0.190 χ^2 /NDF:6954.7/22

Left: -40.723 $\pm$ 0.133 χ^2 /NDF: 16076.3/47

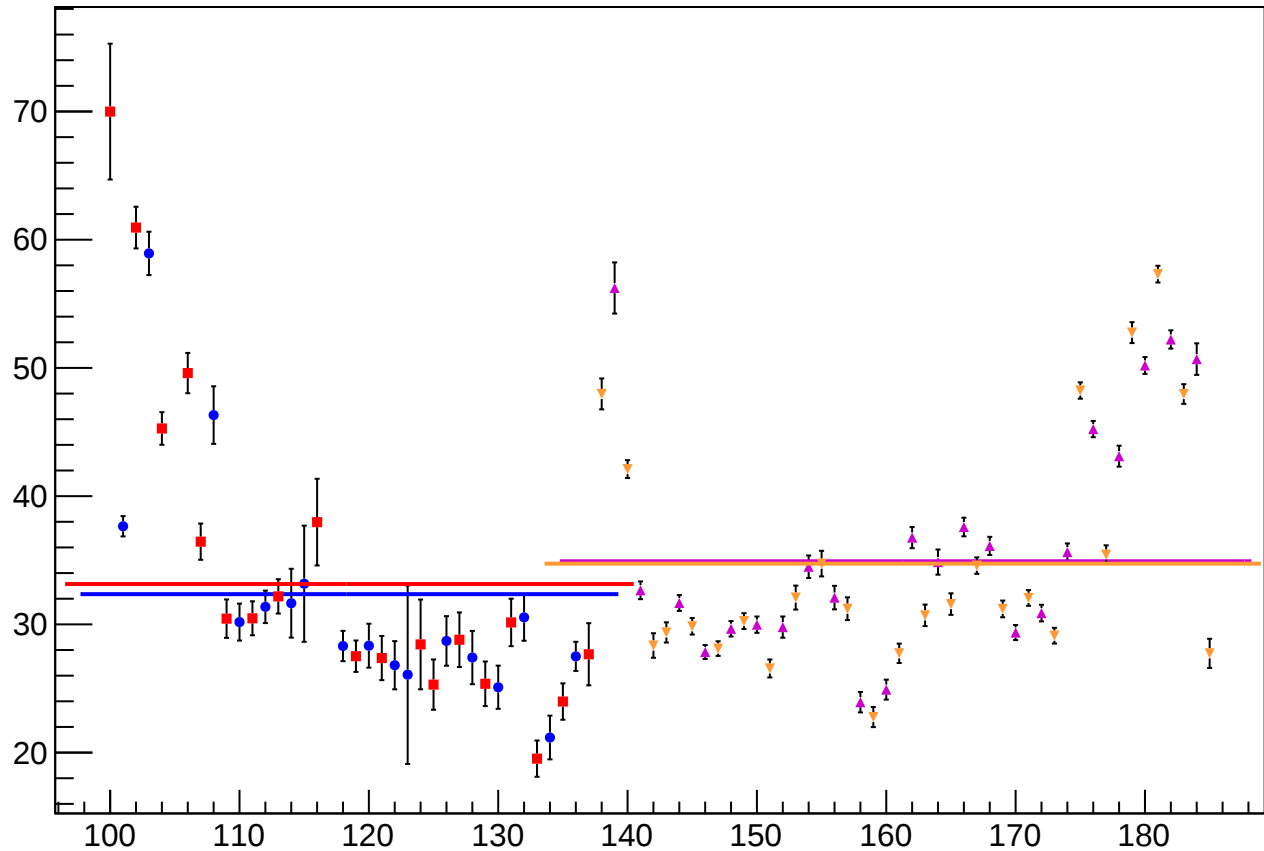
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -40.567 $\pm$ 0.190 χ^2 /NDF:6954.7/22

Out: -40.873 $\pm$ 0.186 χ^2 /NDF:9120.2/24

All: -40.723 $\pm$ 0.133 χ^2 /NDF: 16076.3/47

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.356 $\pm$ 0.376 χ^2 /NDF: 450.5/16

Left Out: 34.734 $\pm$ 0.147 χ^2 /NDF:3686.0/24

Right Out: 33.147 $\pm$ 0.379 χ^2 /NDF: 773.3/18

Left In: 34.922 $\pm$ 0.152 χ^2 /NDF:2672.9/22

Left: 34.826 $\pm$ 0.106 χ^2 /NDF: 6359.7/47

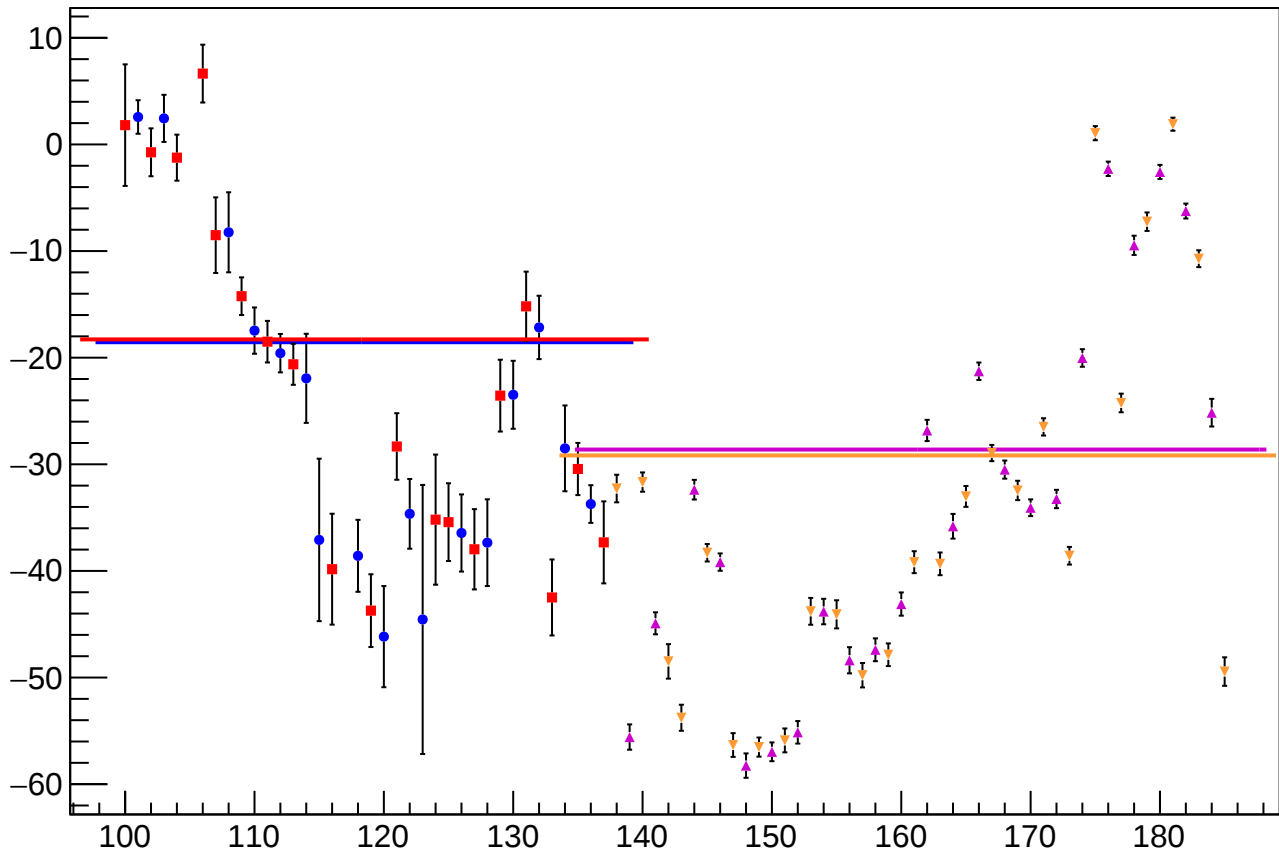
Right: 32.748 $\pm$ 0.267 χ^2 /NDF: 1226.0/35

In: 34.564 $\pm$ 0.141 χ^2 /NDF:3163.5/39

Out: 34.526 $\pm$ 0.137 χ^2 /NDF:4474.5/43

All: 34.544 $\pm$ 0.098 χ^2 /NDF: 7638.1/83

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.549 ± 0.669 χ^2/NDF : 511.1/16

Left Out: -29.169 ± 0.187 χ^2/NDF : 10123.8/24

Right Out: -18.286 ± 0.645 χ^2/NDF : 473.5/18

Left In: -28.616 ± 0.190 χ^2/NDF : 9040.9/22

Left: -28.897 ± 0.133 χ^2/NDF : 19169.0/47

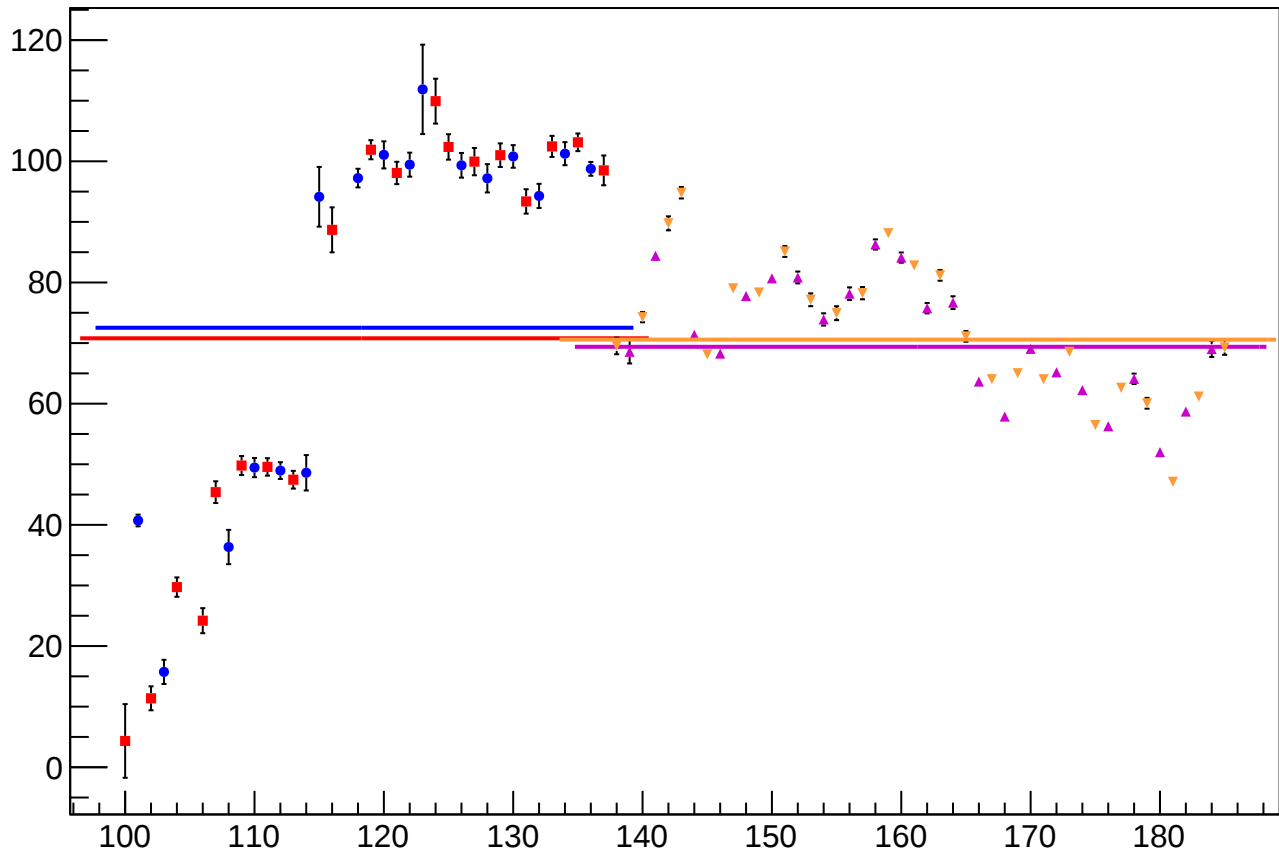
Right: -18.413 ± 0.464 χ^2/NDF : 984.6/35

In: -27.866 ± 0.183 χ^2/NDF : 9761.8/39

Out: -28.323 ± 0.180 χ^2/NDF : 10860.2/43

All: -28.098 ± 0.128 χ^2/NDF : 20625.2/83

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.529 $\pm$ 0.429 χ^2 /NDF: 4672.2/16

Left Out: 70.570 $\pm$ 0.166 χ^2 /NDF:4584.4/24

Right Out: 70.790 $\pm$ 0.434 χ^2 /NDF: 5494.5/18

Left In: 69.387 $\pm$ 0.170 χ^2 /NDF:3321.8/22

Left: 69.993 $\pm$ 0.119 χ^2 /NDF: 7931.0/47

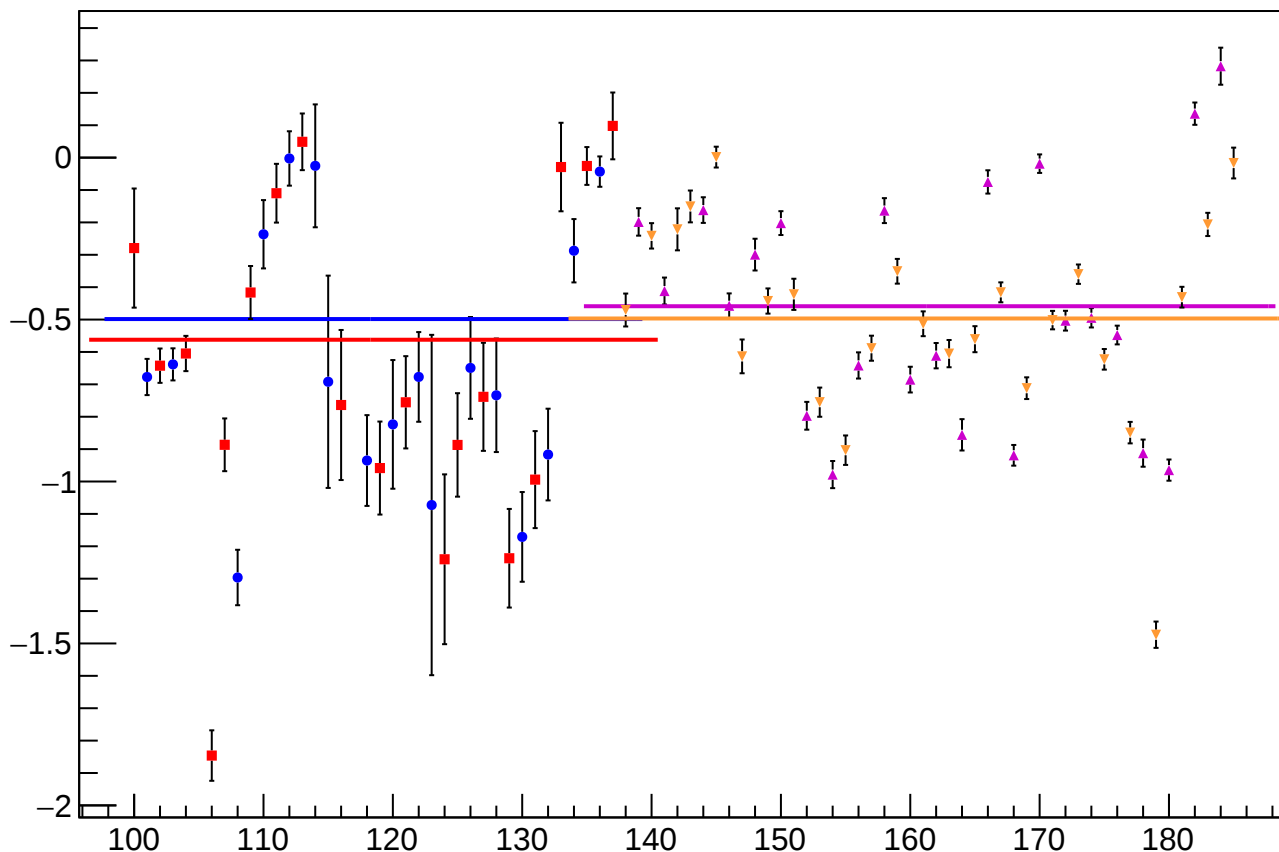
Right: 71.669 $\pm$ 0.305 χ^2 /NDF: 10174.8/35

In: 69.814 $\pm$ 0.158 χ^2 /NDF:8040.3/39

Out: 70.598 $\pm$ 0.155 χ^2 /NDF:10079.2/43

All: 70.214 $\pm$ 0.111 χ^2 /NDF: 18132.1/83

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 ± 0.022 χ^2/NDF : 302.1/16

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.4/24

Right Out: -0.562 ± 0.021 χ^2/NDF : 560.3/18

Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

Left: -0.478 ± 0.005 χ^2/NDF : 3420.0/47

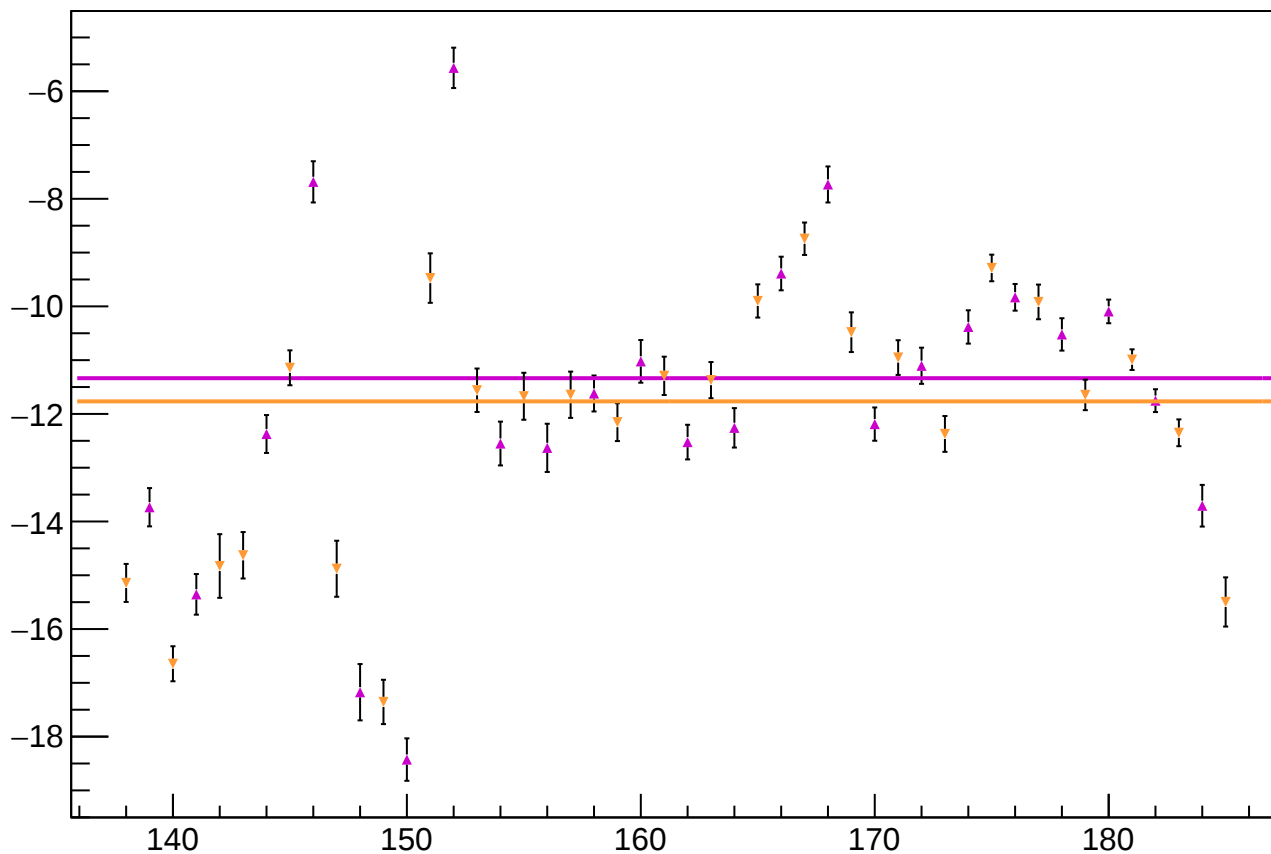
Right: -0.532 ± 0.015 χ^2/NDF : 866.6/35

In: -0.463 ± 0.007 χ^2/NDF : 2263.3/39

Out: -0.504 ± 0.007 χ^2/NDF : 2018.0/43

All: -0.484 ± 0.005 χ^2/NDF : 4297.3/83

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: -11.766 $\pm$ 0.067 χ^2/NDF :1020.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: -11.336 $\pm$ 0.068 χ^2/NDF :1269.3/22

Left: -11.555 $\pm$ 0.048 χ^2/NDF : 2310.4/47

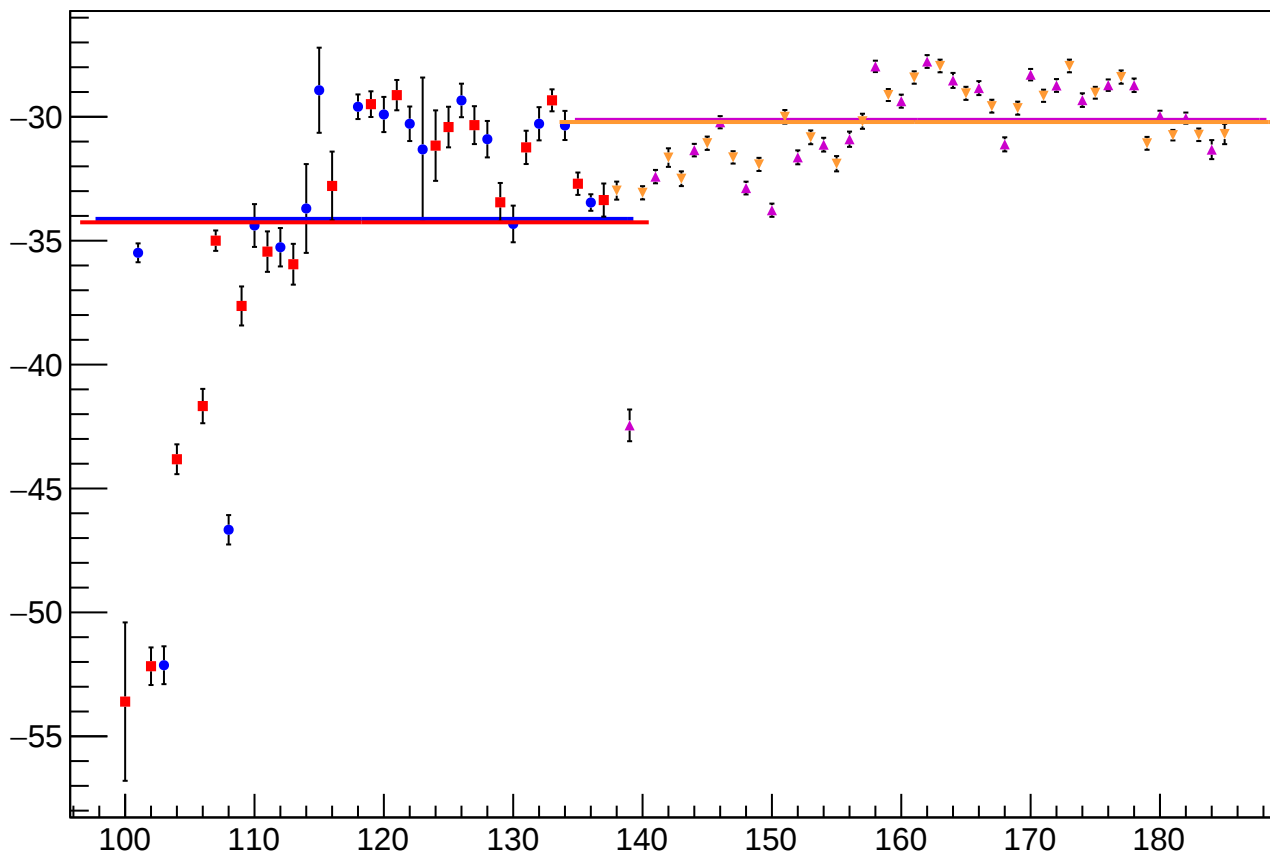
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -11.336 $\pm$ 0.068 χ^2/NDF :1269.3/22

Out: -11.766 $\pm$ 0.067 χ^2/NDF :1020.7/24

All: -11.555 $\pm$ 0.048 χ^2/NDF : 2310.4/47

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.120 ± 0.152 $\chi^2/\text{NDF}: 1324.4/16$

Left Out: -30.211 ± 0.054 $\chi^2/\text{NDF}: 733.7/24$

Right Out: -34.258 ± 0.151 $\chi^2/\text{NDF}: 1356.1/18$

Left In: -30.124 ± 0.056 $\chi^2/\text{NDF}: 1226.2/22$

Left: -30.169 ± 0.039 $\chi^2/\text{NDF}: 1961.2/47$

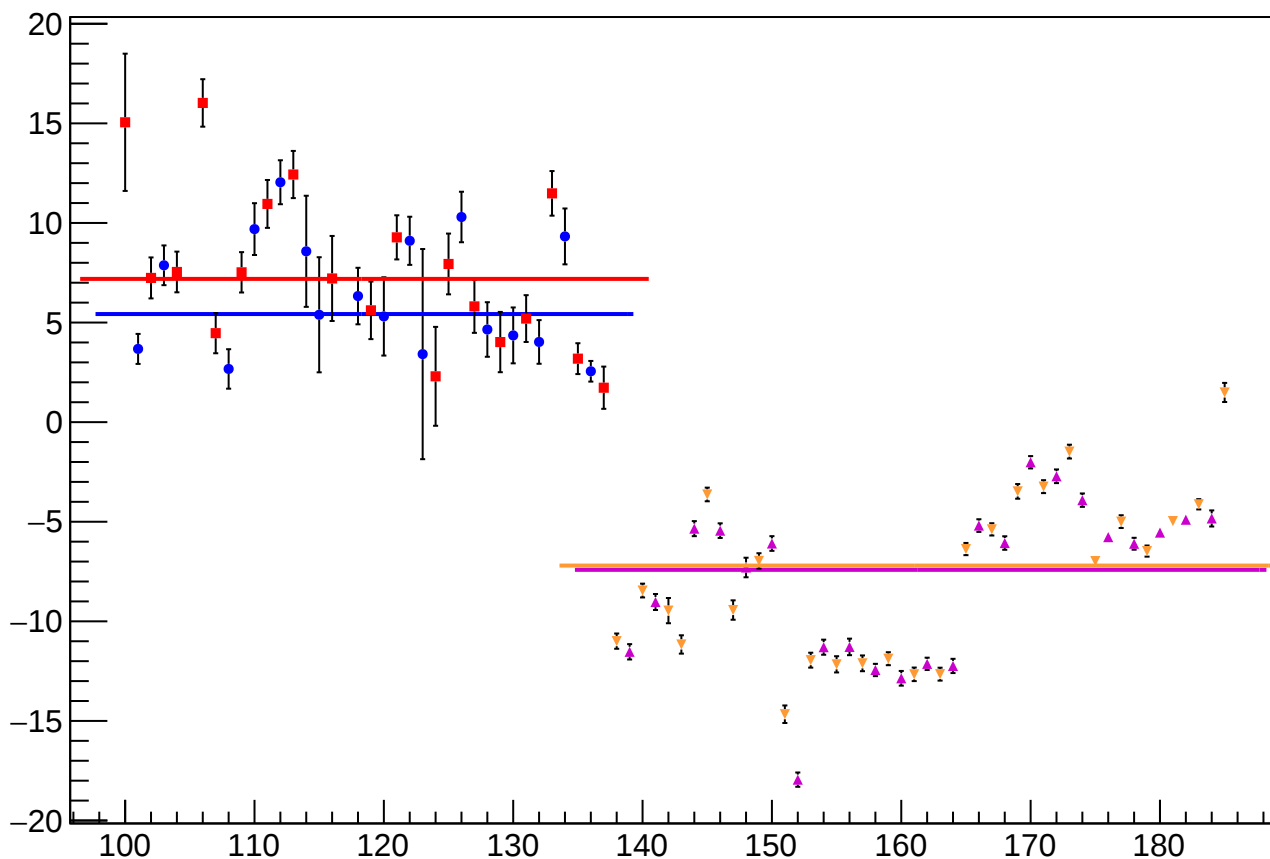
Right: -34.190 ± 0.107 $\chi^2/\text{NDF}: 2680.8/35$

In: -30.594 ± 0.052 $\chi^2/\text{NDF}: 3160.7/39$

Out: -30.668 ± 0.051 $\chi^2/\text{NDF}: 2727.0/43$

All: -30.632 ± 0.036 $\chi^2/\text{NDF}: 5888.8/83$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

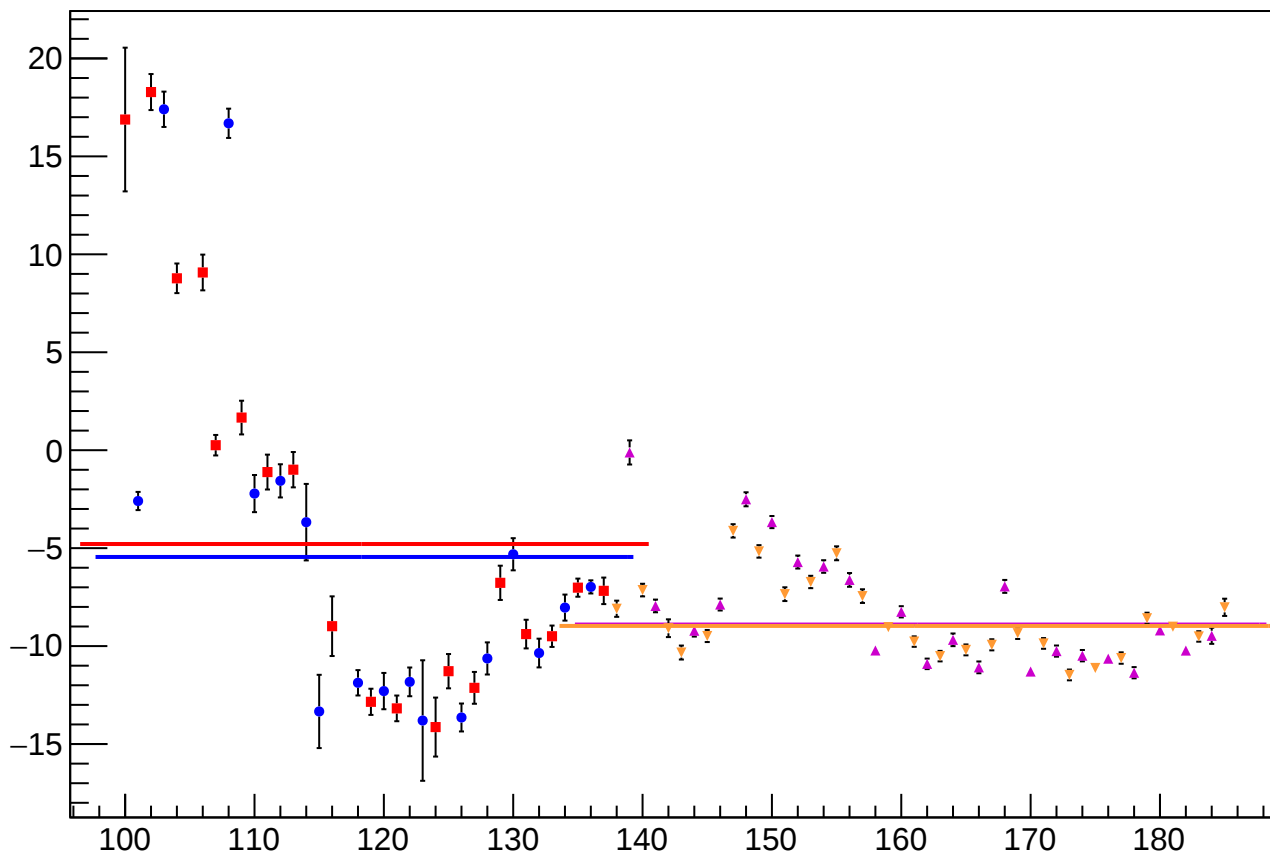


Right In: 5.427 ± 0.271 $\chi^2/\text{NDF}: 132.7/16$
 Left Out: -7.200 ± 0.067 $\chi^2/\text{NDF}: 3036.4/24$
 Right Out: 7.192 ± 0.275 $\chi^2/\text{NDF}: 182.2/18$
 Left In: -7.415 ± 0.068 $\chi^2/\text{NDF}: 3123.3/22$

Left: -7.306 ± 0.048 $\chi^2/\text{NDF}: 6164.8/47$
 Right: 6.296 ± 0.193 $\chi^2/\text{NDF}: 335.8/35$
 In: -6.656 ± 0.066 $\chi^2/\text{NDF}: 5373.2/39$
 Out: -6.395 ± 0.065 $\chi^2/\text{NDF}: 5807.8/43$

All: -6.524 ± 0.046 $\chi^2/\text{NDF}: 11188.9/83$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.450 ± 0.171 $\chi^2/\text{NDF}: 2097.1/16$

Left Out: -8.970 ± 0.060 $\chi^2/\text{NDF}: 879.1/24$

Right Out: -4.789 ± 0.173 $\chi^2/\text{NDF}: 2047.5/18$

Left In: -8.900 ± 0.062 $\chi^2/\text{NDF}: 1533.9/22$

Left: -8.936 ± 0.043 $\chi^2/\text{NDF}: 2413.6/47$

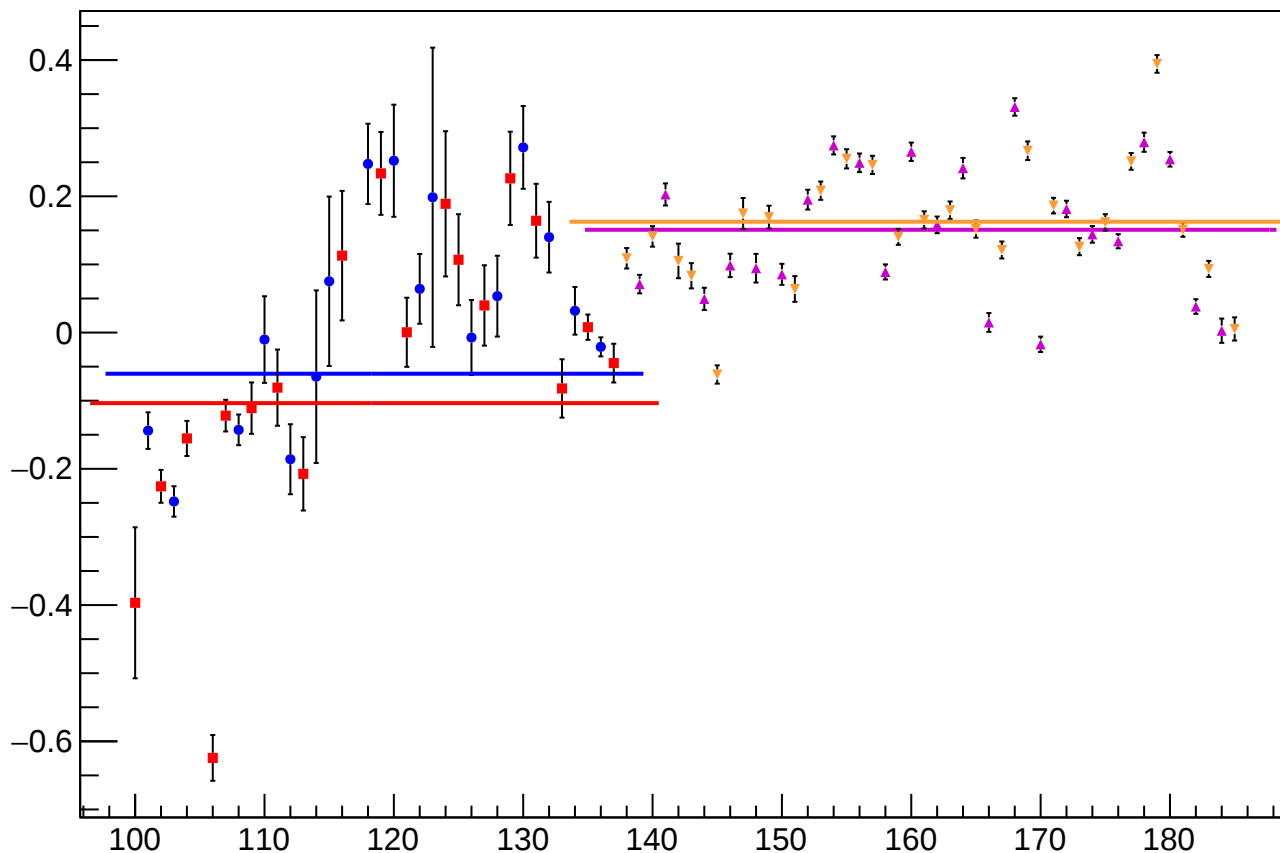
Right: -5.124 ± 0.122 $\chi^2/\text{NDF}: 4151.9/35$

In: -8.504 ± 0.058 $\chi^2/\text{NDF}: 3991.0/39$

Out: -8.520 ± 0.057 $\chi^2/\text{NDF}: 3446.8/43$

All: -8.512 ± 0.041 $\chi^2/\text{NDF}: 7437.9/83$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.060 ± 0.008 χ^2/NDF : 214.5/16

Left Out: 0.163 ± 0.003 χ^2/NDF : 1018.6/24

Right Out: -0.104 ± 0.008 χ^2/NDF : 433.1/18

Left In: 0.151 ± 0.003 χ^2/NDF : 1286.5/22

Left: 0.157 ± 0.002 χ^2/NDF : 2314.4/47

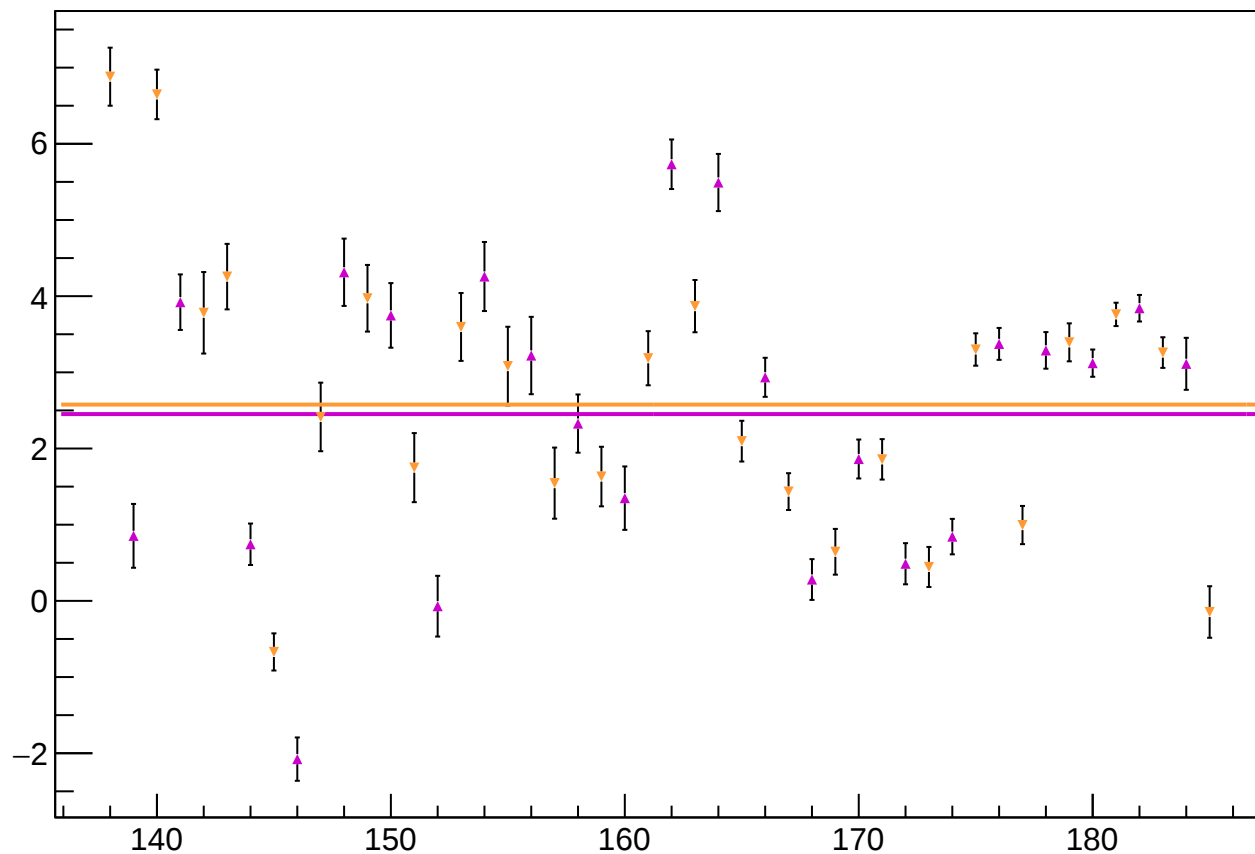
Right: -0.082 ± 0.006 χ^2/NDF : 660.7/35

In: 0.130 ± 0.003 χ^2/NDF : 2071.0/39

Out: 0.138 ± 0.003 χ^2/NDF : 2352.0/43

All: 0.134 ± 0.002 χ^2/NDF : 4426.9/83

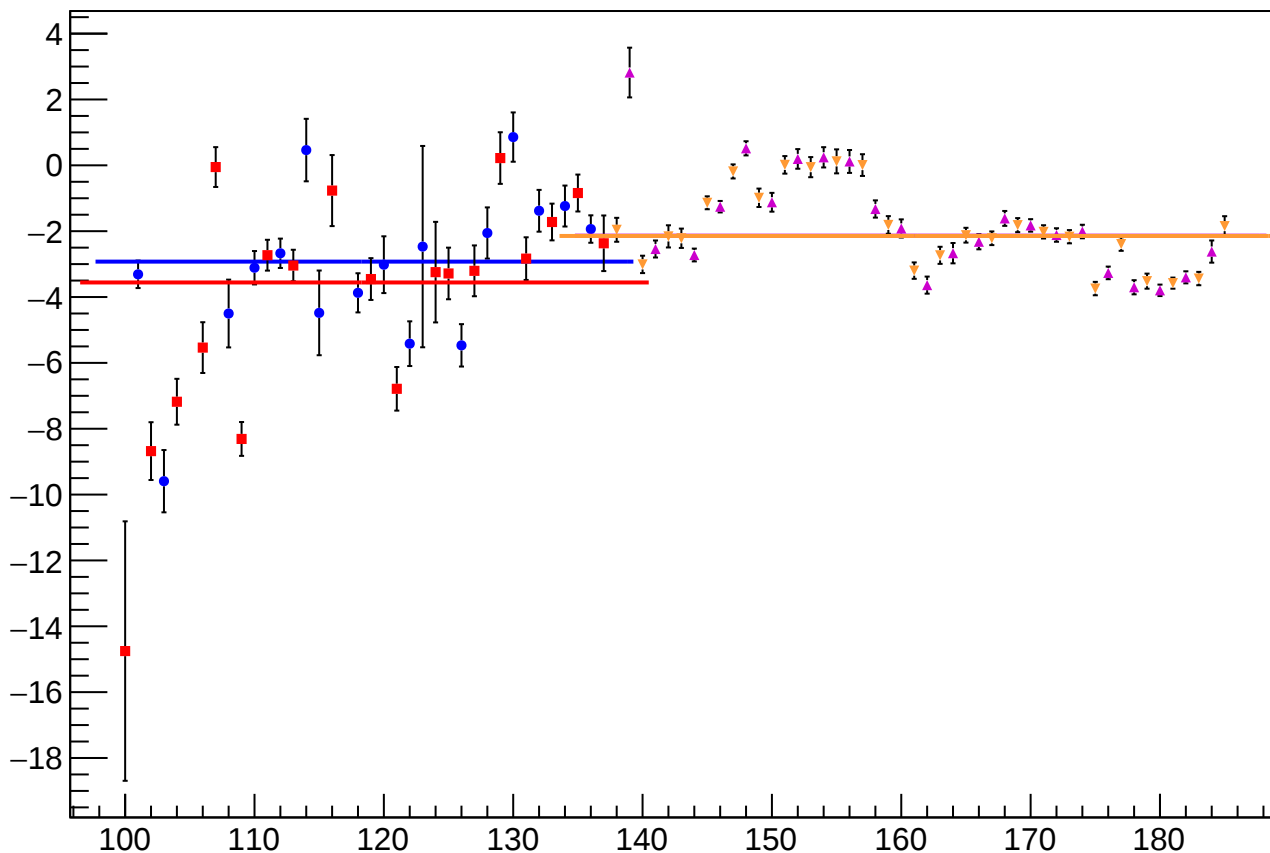
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.577 $\pm$ 0.058 χ^2 /NDF:867.6/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 2.452 $\pm$ 0.059 χ^2 /NDF:871.3/22

Left: 2.516 $\pm$ 0.042 χ^2 /NDF: 1741.1/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 2.452 $\pm$ 0.059 χ^2 /NDF:871.3/22
 Out: 2.577 $\pm$ 0.058 χ^2 /NDF:867.6/24
 All: 2.516 $\pm$ 0.042 χ^2 /NDF: 1741.1/47

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.925 ± 0.155 χ^2/NDF : 144.9/16

Left Out: -2.145 ± 0.048 χ^2/NDF : 572.6/24

Right Out: -3.558 ± 0.155 χ^2/NDF : 290.8/18

Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

Left: -2.141 ± 0.034 χ^2/NDF : 1263.8/47

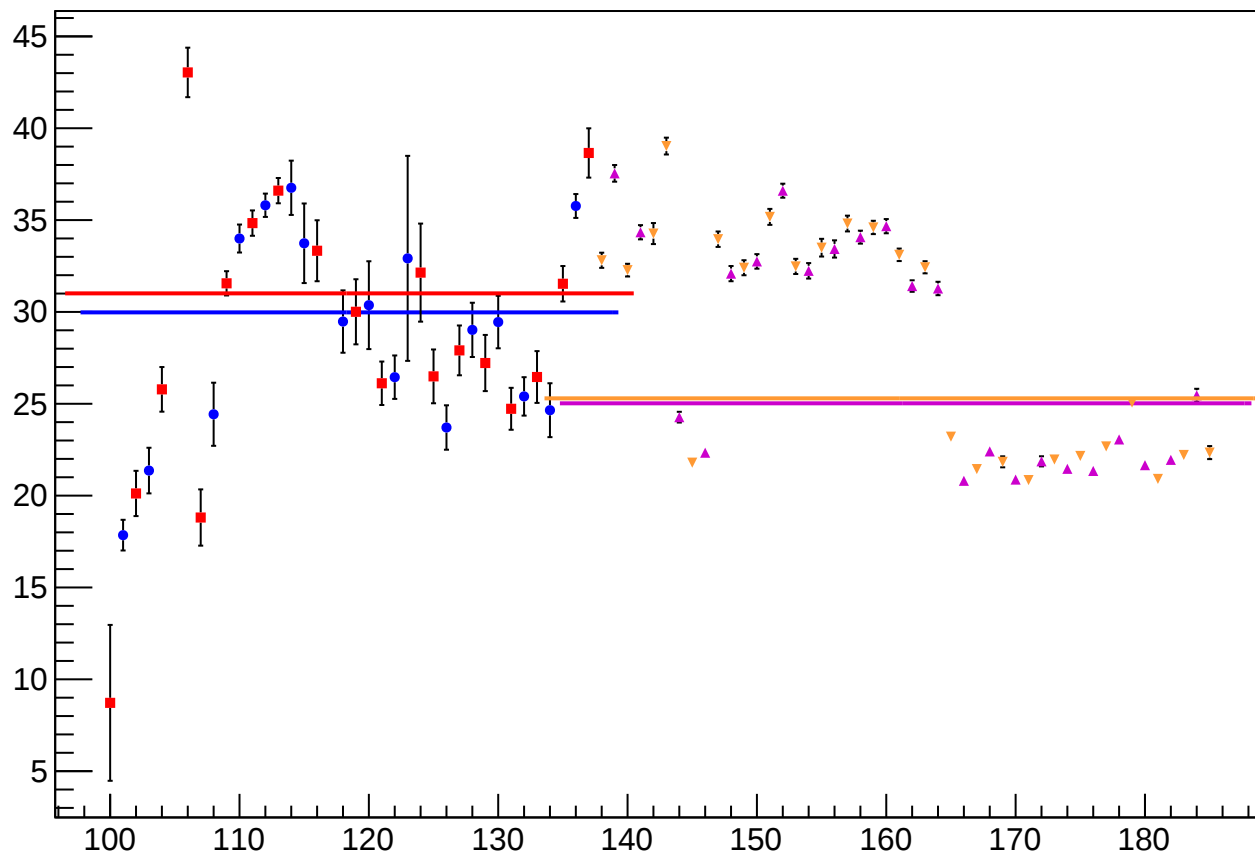
Right: -3.242 ± 0.110 χ^2/NDF : 444.1/35

In: -2.206 ± 0.046 χ^2/NDF : 859.7/39

Out: -2.267 ± 0.046 χ^2/NDF : 939.5/43

All: -2.237 ± 0.032 χ^2/NDF : 1800.0/83

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.976 $\pm$ 0.268 χ^2 /NDF: 554.0/16

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8273.1/24

Right Out: 31.010 $\pm$ 0.260 χ^2 /NDF: 478.7/18

Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

Left: 25.162 $\pm$ 0.042 χ^2 /NDF: 15894.0/47

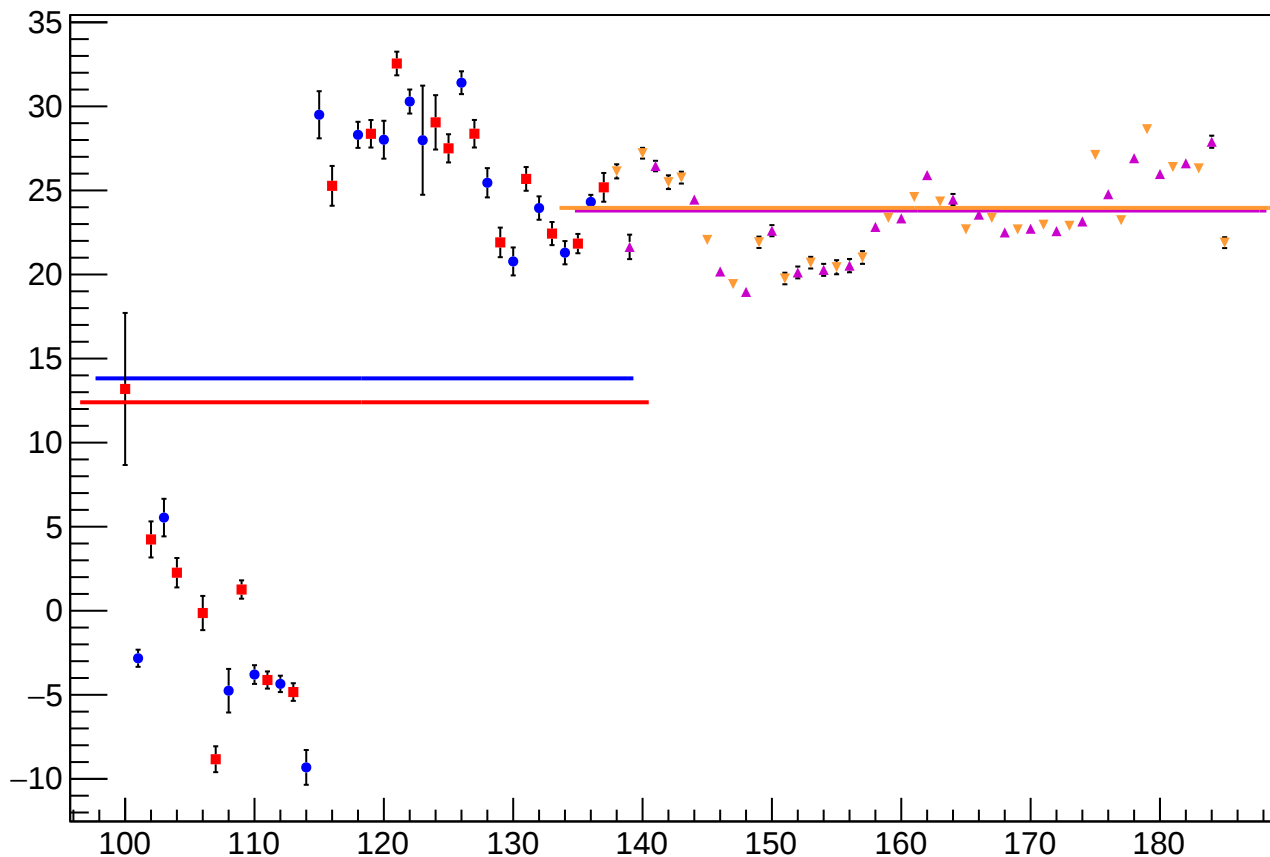
Right: 30.507 $\pm$ 0.187 χ^2 /NDF: 1040.4/35

In: 25.259 $\pm$ 0.058 χ^2 /NDF: 8490.2/39

Out: 25.574 $\pm$ 0.057 χ^2 /NDF: 9209.8/43

All: 25.418 $\pm$ 0.041 χ^2 /NDF: 17714.8/83

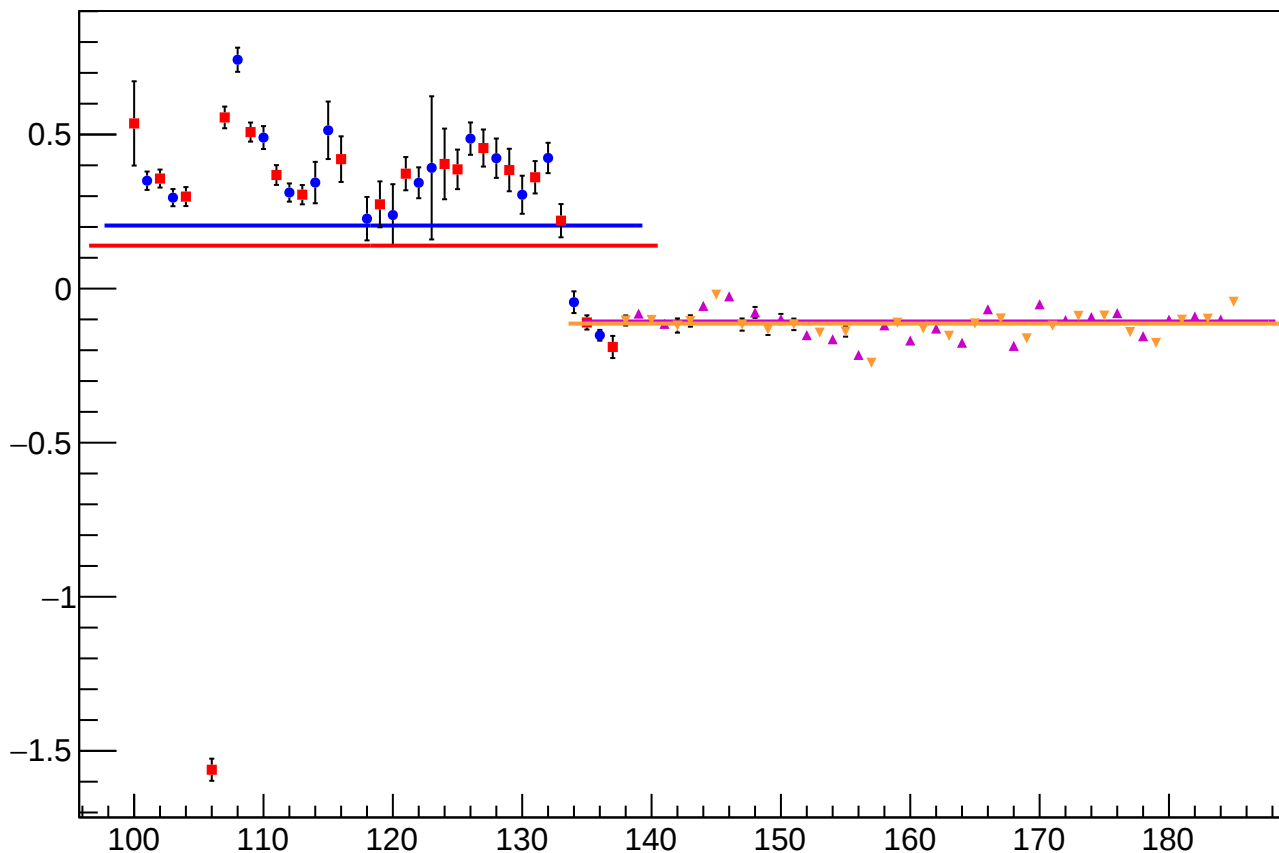
reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.822 $\pm$ 0.173 χ^2/NDF : 7274.7/16
 Left Out: 23.960 $\pm$ 0.053 χ^2/NDF : 1920.5/24
 Right Out: 12.399 $\pm$ 0.174 χ^2/NDF : 6952.8/18
 Left In: 23.805 $\pm$ 0.054 χ^2/NDF : 1761.3/22

Left: 23.884 $\pm$ 0.038 χ^2/NDF : 3686.0/47
 Right: 13.115 $\pm$ 0.123 χ^2/NDF : 14261.1/35
 In: 22.918 $\pm$ 0.052 χ^2/NDF : 12069.5/39
 Out: 22.974 $\pm$ 0.051 χ^2/NDF : 12911.5/43
 All: 22.946 $\pm$ 0.036 χ^2/NDF : 24981.7/83

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 846.4/16

Left Out: -0.113 ± 0.002 χ^2/NDF : 290.8/24

Right Out: 0.139 ± 0.009 χ^2/NDF : 3013.6/18

Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

Left: -0.110 ± 0.002 χ^2/NDF : 616.5/47

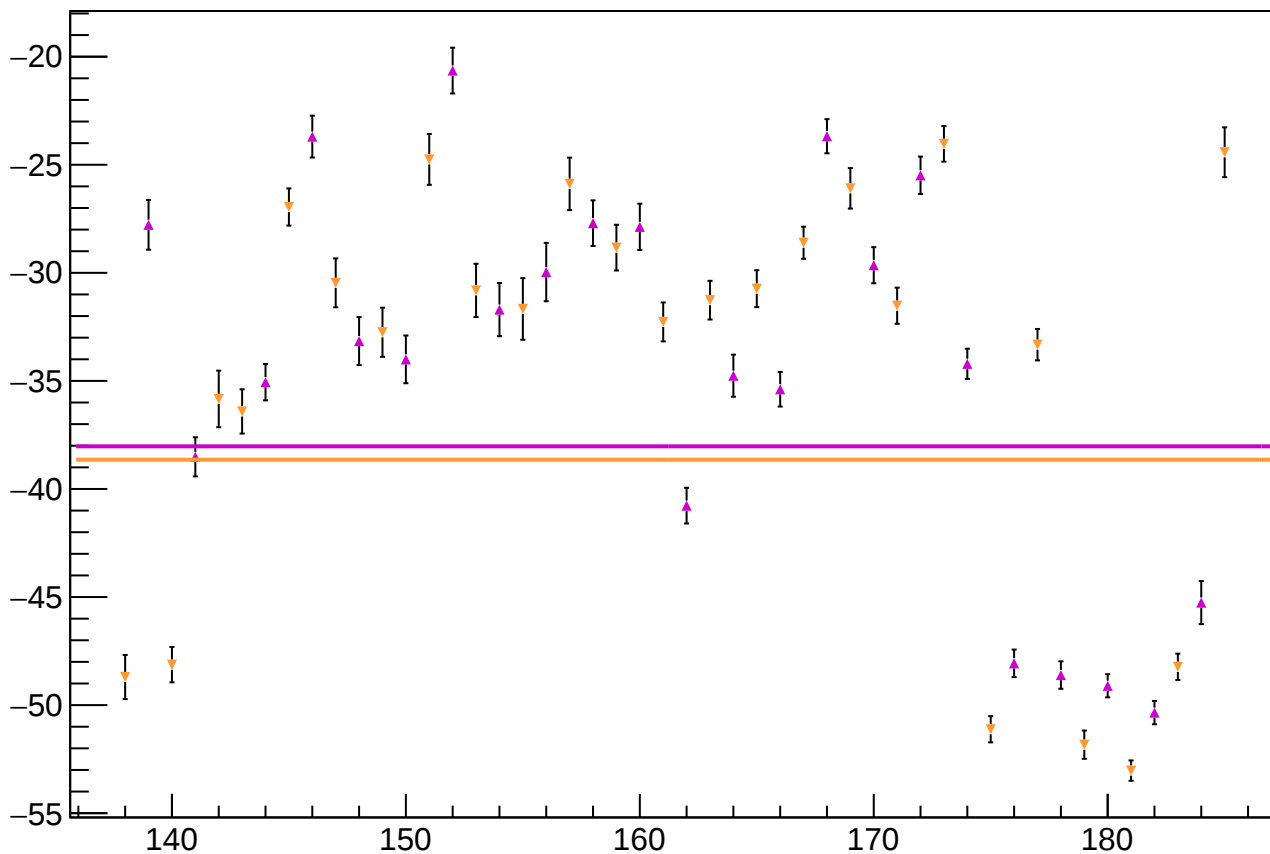
Right: 0.171 ± 0.007 χ^2/NDF : 3884.7/35

In: -0.087 ± 0.002 χ^2/NDF : 2197.7/39

Out: -0.097 ± 0.002 χ^2/NDF : 4008.5/43

All: -0.092 ± 0.002 χ^2/NDF : 6216.1/83

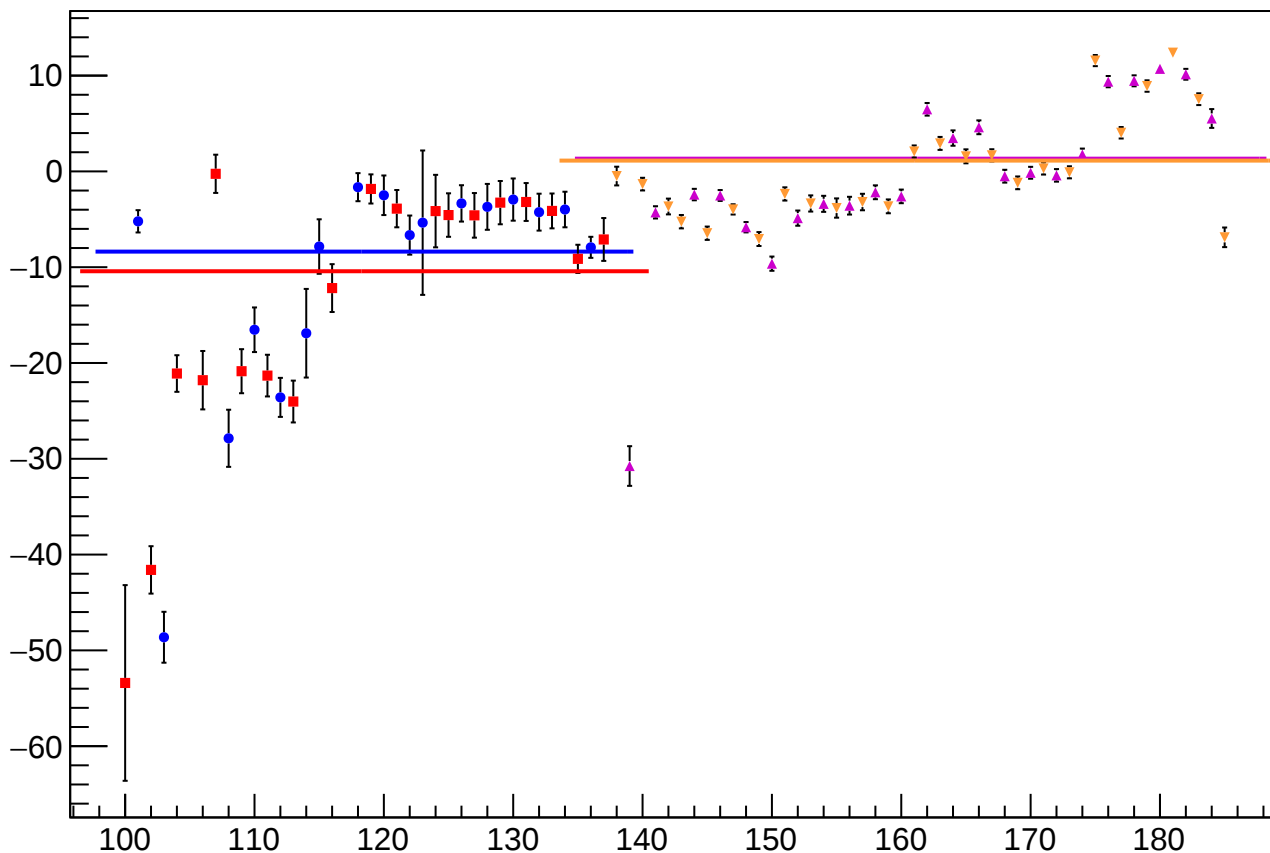
reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -38.645 $\pm$ 0.169 χ^2 /NDF:4075.8/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -38.027 $\pm$ 0.173 χ^2 /NDF:3091.9/22

Left: -38.344 $\pm$ 0.121 χ^2 /NDF: 7174.3/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -38.027 $\pm$ 0.173 χ^2 /NDF:3091.9/22
 Out: -38.645 $\pm$ 0.169 χ^2 /NDF:4075.8/24
 All: -38.344 $\pm$ 0.121 χ^2 /NDF: 7174.3/47

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.373 ± 0.467 $\chi^2/\text{NDF}: 408.5/16$

Left Out: 1.127 ± 0.136 $\chi^2/\text{NDF}: 1797.7/24$

Right Out: -10.423 ± 0.492 $\chi^2/\text{NDF}: 429.8/18$

Left In: 1.329 ± 0.140 $\chi^2/\text{NDF}: 2048.0/22$

Left: 1.225 ± 0.097 $\chi^2/\text{NDF}: 3846.8/47$

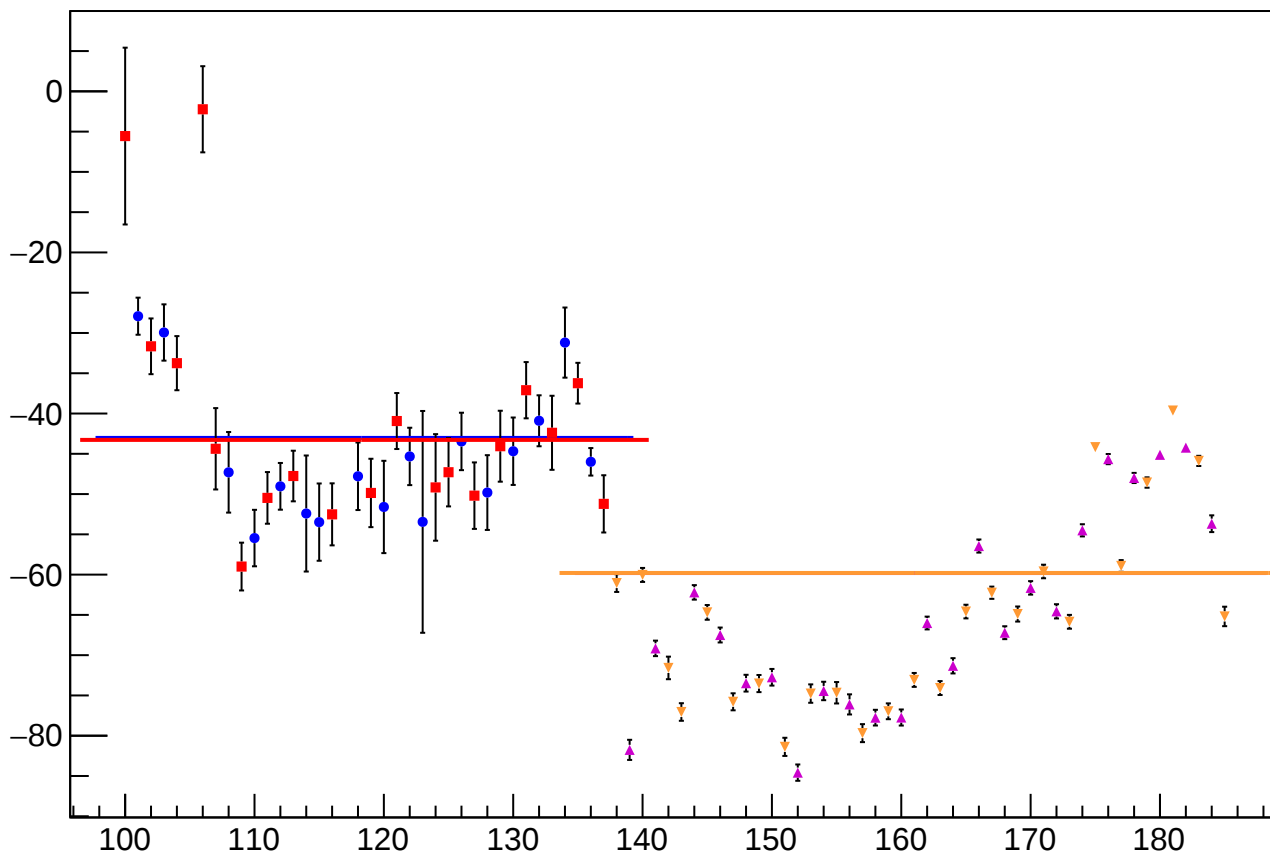
Right: -9.345 ± 0.338 $\chi^2/\text{NDF}: 847.5/35$

In: 0.530 ± 0.134 $\chi^2/\text{NDF}: 2853.3/39$

Out: 0.306 ± 0.131 $\chi^2/\text{NDF}: 2740.2/43$

All: 0.416 ± 0.094 $\chi^2/\text{NDF}: 5594.9/83$

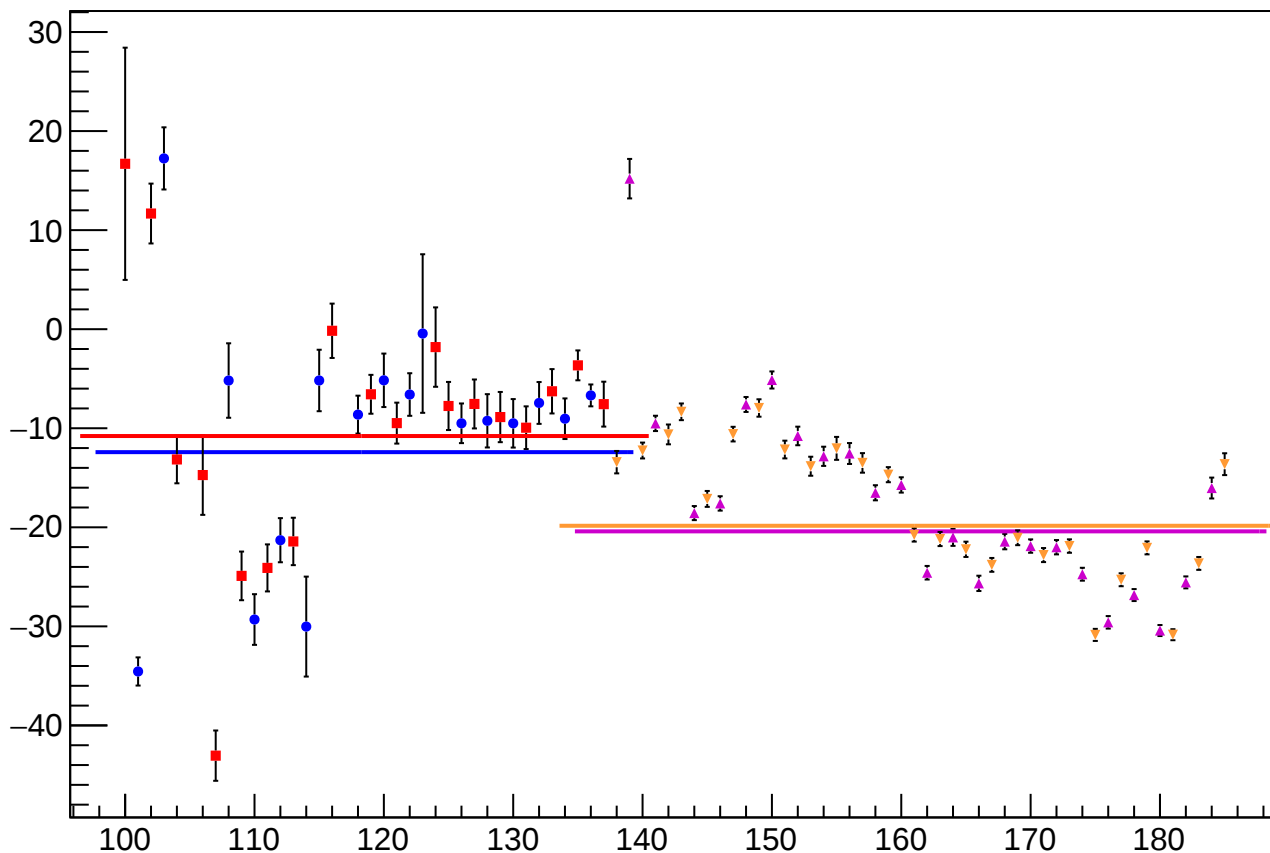
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.028 ± 0.838 $\chi^2/\text{NDF}: 98.9/16$
 Left Out: -59.794 ± 0.170 $\chi^2/\text{NDF}: 5835.7/24$
 Right Out: -43.274 ± 0.868 $\chi^2/\text{NDF}: 154.3/18$
 Left In: -59.802 ± 0.173 $\chi^2/\text{NDF}: 5217.5/22$

Left: -59.798 ± 0.121 $\chi^2/\text{NDF}: 11053.2/47$
 Right: -43.147 ± 0.603 $\chi^2/\text{NDF}: 253.2/35$
 In: -59.115 ± 0.170 $\chi^2/\text{NDF}: 5700.3/39$
 Out: -59.183 ± 0.167 $\chi^2/\text{NDF}: 6338.6/43$
 All: -59.149 ± 0.119 $\chi^2/\text{NDF}: 12038.9/83$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.412 ± 0.524 χ^2/NDF : 473.5/16

Left Out: -19.844 ± 0.153 χ^2/NDF : 1930.4/24

Right Out: -10.786 ± 0.555 χ^2/NDF : 365.9/18

Left In: -20.410 ± 0.157 χ^2/NDF : 2302.0/22

Left: -20.120 ± 0.109 χ^2/NDF : 4239.0/47

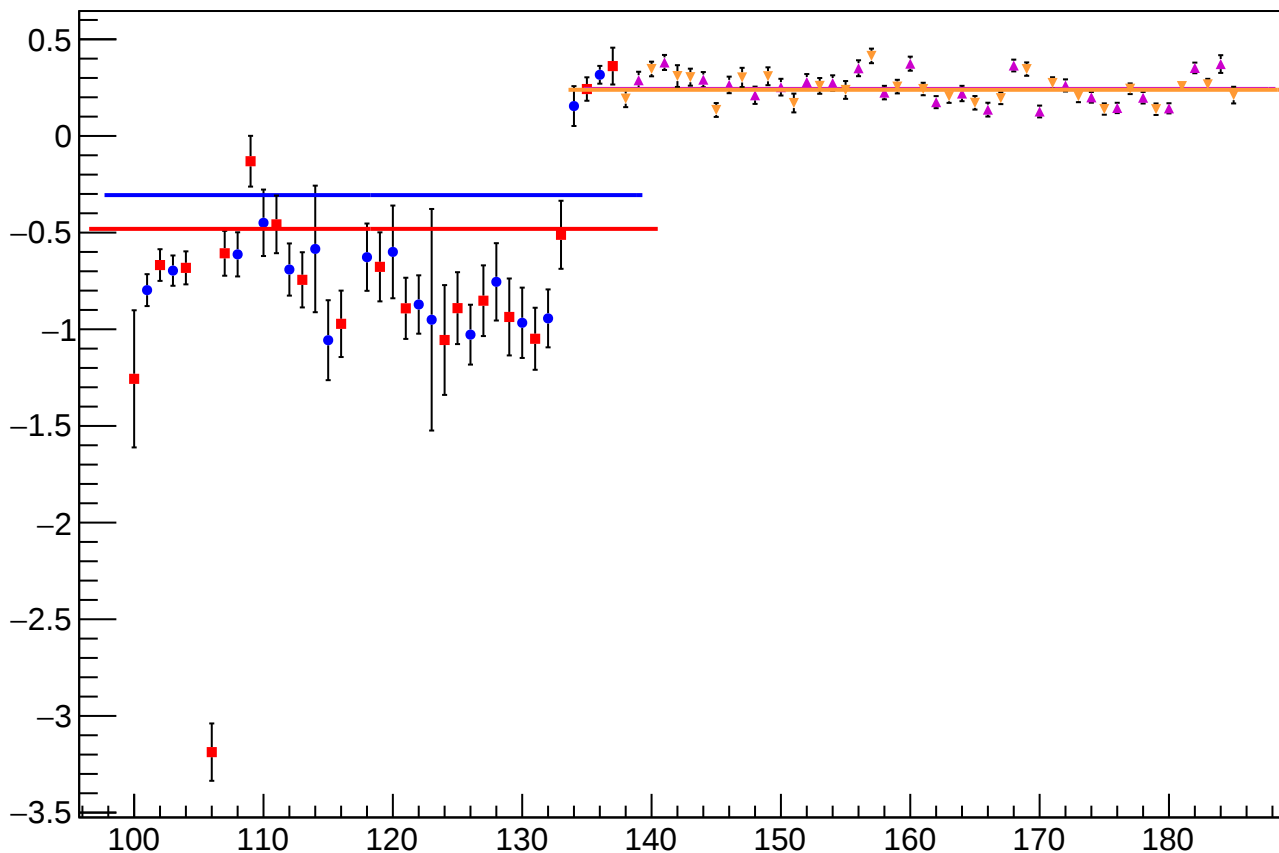
Right: -11.645 ± 0.381 χ^2/NDF : 844.0/35

In: -19.753 ± 0.150 χ^2/NDF : 2989.5/39

Out: -19.206 ± 0.147 χ^2/NDF : 2544.3/43

All: -19.474 ± 0.105 χ^2/NDF : 5540.5/83

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.481 ± 0.029 χ^2/NDF : 627.8/18

Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

Left: 0.241 ± 0.005 χ^2/NDF : 231.5/47

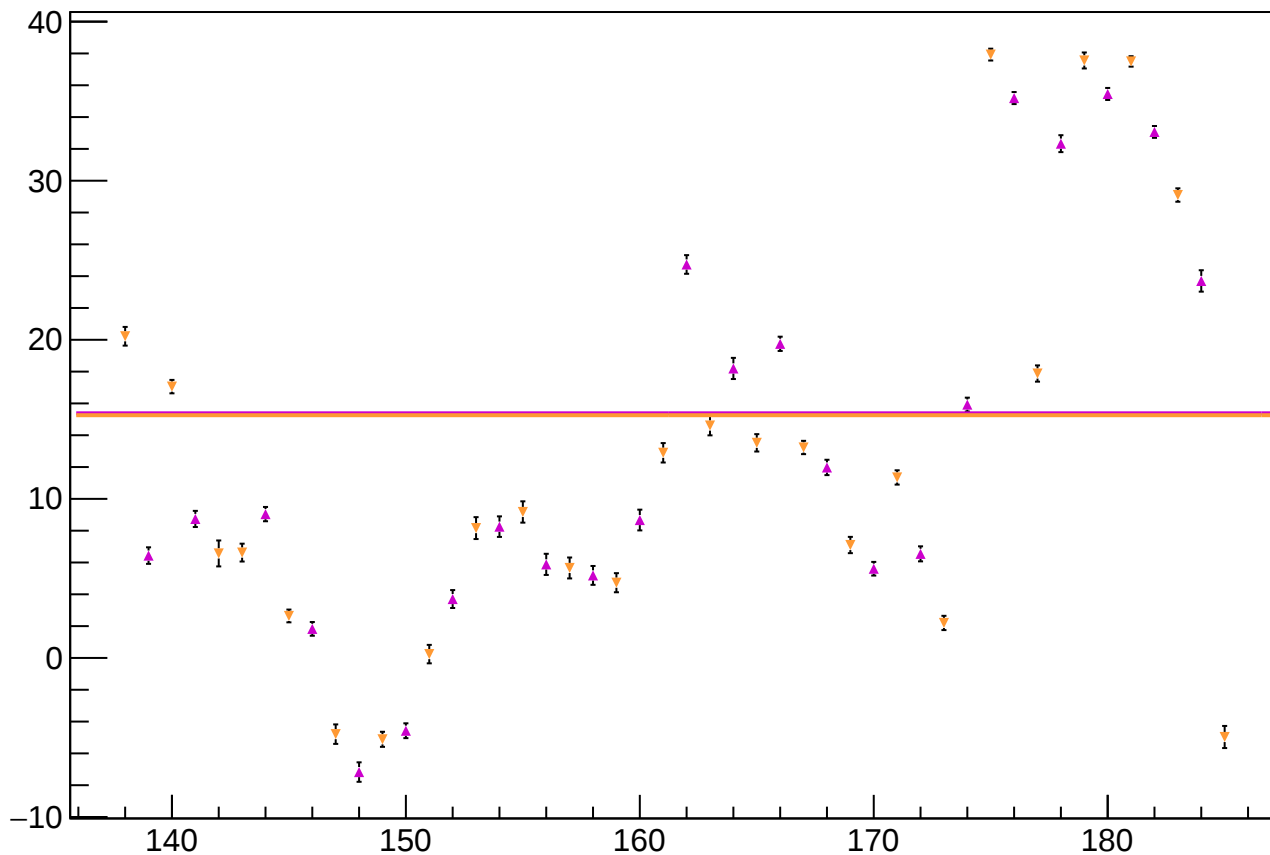
Right: -0.390 ± 0.020 χ^2/NDF : 1018.8/35

In: 0.209 ± 0.007 χ^2/NDF : 881.2/39

Out: 0.198 ± 0.007 χ^2/NDF : 1316.7/43

All: 0.203 ± 0.005 χ^2/NDF : 2199.1/83

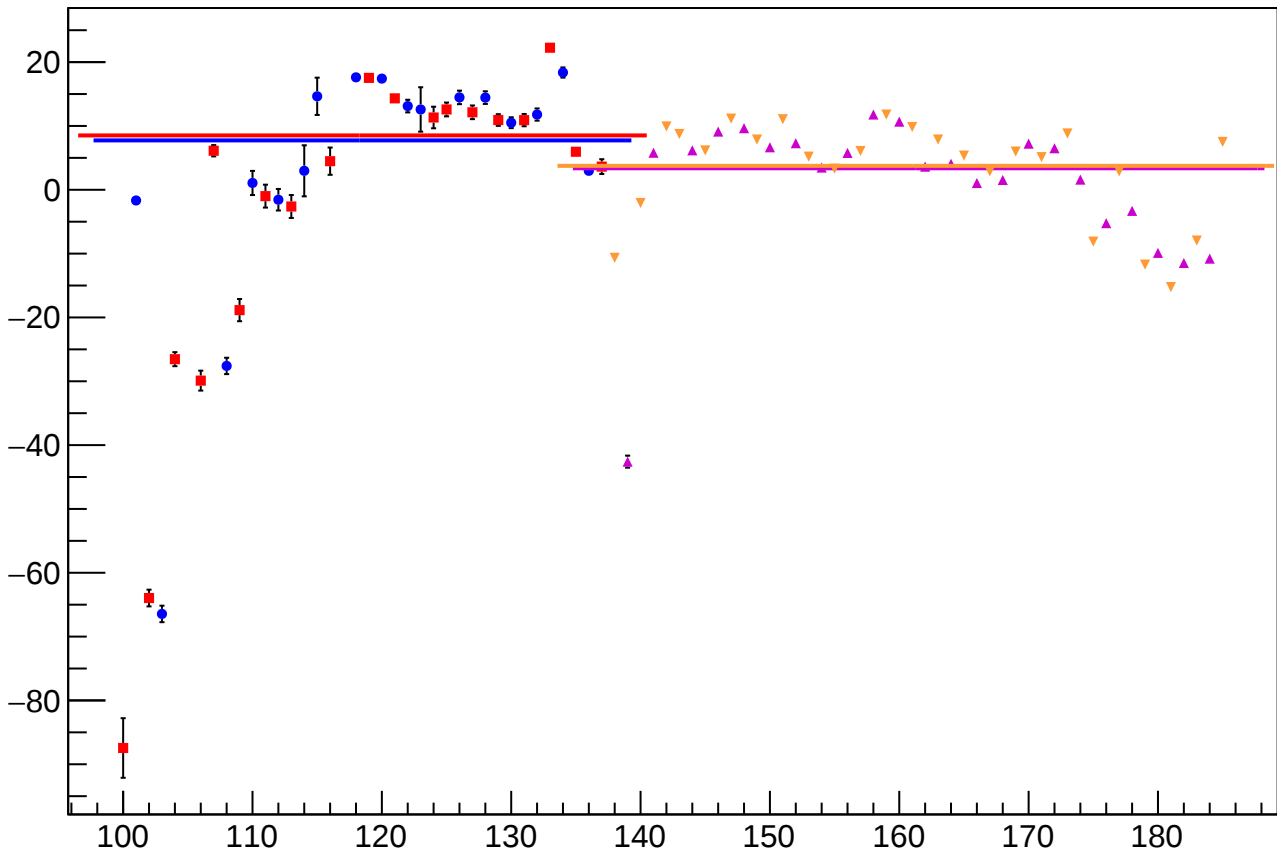
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 15.259 $\pm$ 0.101 χ^2/NDF :19171.6/24
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 15.377 $\pm$ 0.103 χ^2/NDF :16268.9/22

Left: 15.316 $\pm$ 0.072 χ^2/NDF : 35441.2/47
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 15.377 $\pm$ 0.103 χ^2/NDF :16268.9/22
 Out: 15.259 $\pm$ 0.101 χ^2/NDF :19171.6/24
 All: 15.316 $\pm$ 0.072 χ^2/NDF : 35441.2/47

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.736 $\pm$ 0.218 χ^2 /NDF: 5301.4/16

Left Out: 3.751 $\pm$ 0.079 χ^2 /NDF:9228.7/24

Right Out: 8.518 $\pm$ 0.214 χ^2 /NDF: 6720.6/18

Left In: 3.365 $\pm$ 0.081 χ^2 /NDF:8527.0/22

Left: 3.564 $\pm$ 0.057 χ^2 /NDF: 17767.4/47

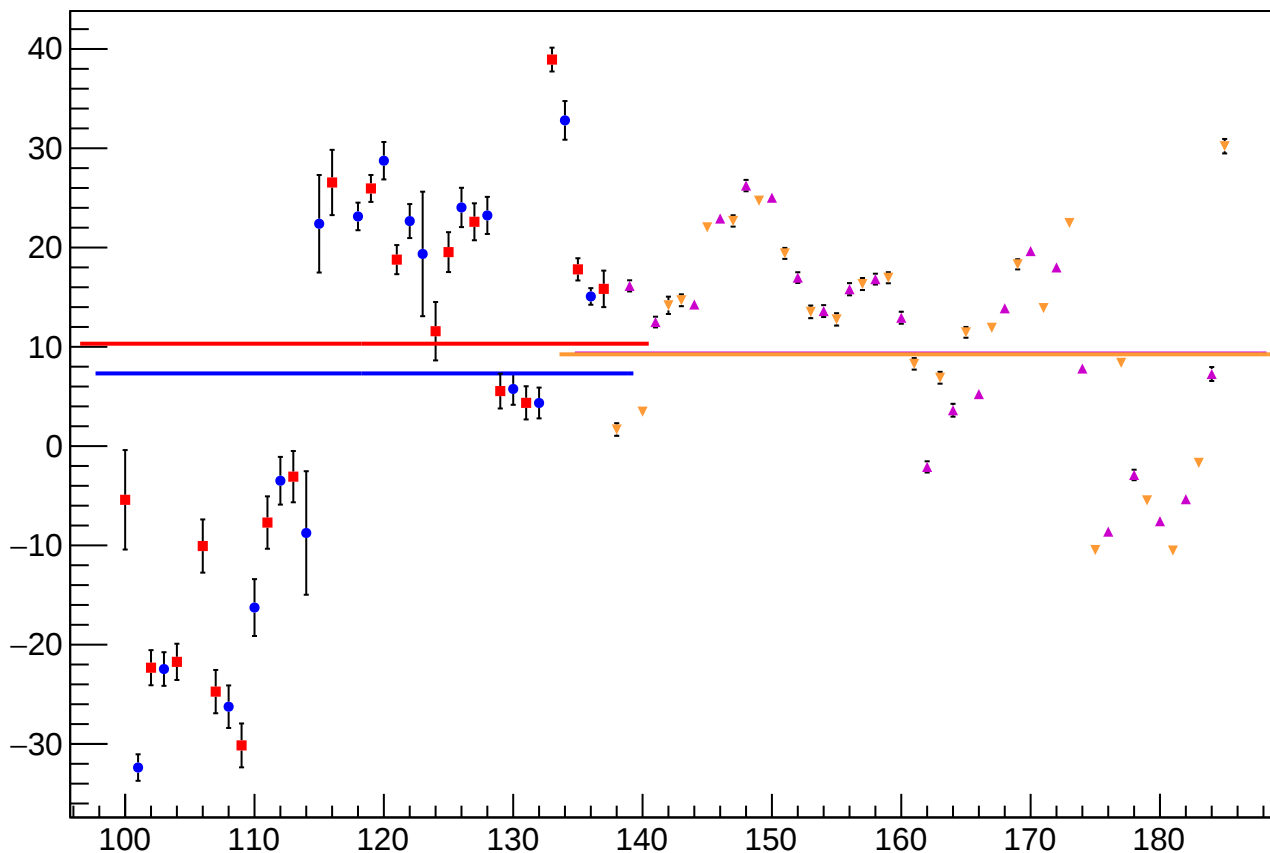
Right: 8.135 $\pm$ 0.153 χ^2 /NDF: 12028.5/35

In: 3.897 $\pm$ 0.076 χ^2 /NDF:14180.5/39

Out: 4.322 $\pm$ 0.074 χ^2 /NDF:16388.0/43

All: 4.116 $\pm$ 0.053 χ^2 /NDF: 30584.6/83

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.321 $\pm$ 0.419 χ^2 /NDF: 2291.7/16

Left Out: 9.245 $\pm$ 0.101 χ^2 /NDF:13632.3/24

Right Out: 10.315 $\pm$ 0.418 χ^2 /NDF: 2282.9/18

Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

Left: 9.286 $\pm$ 0.072 χ^2 /NDF: 25601.1/47

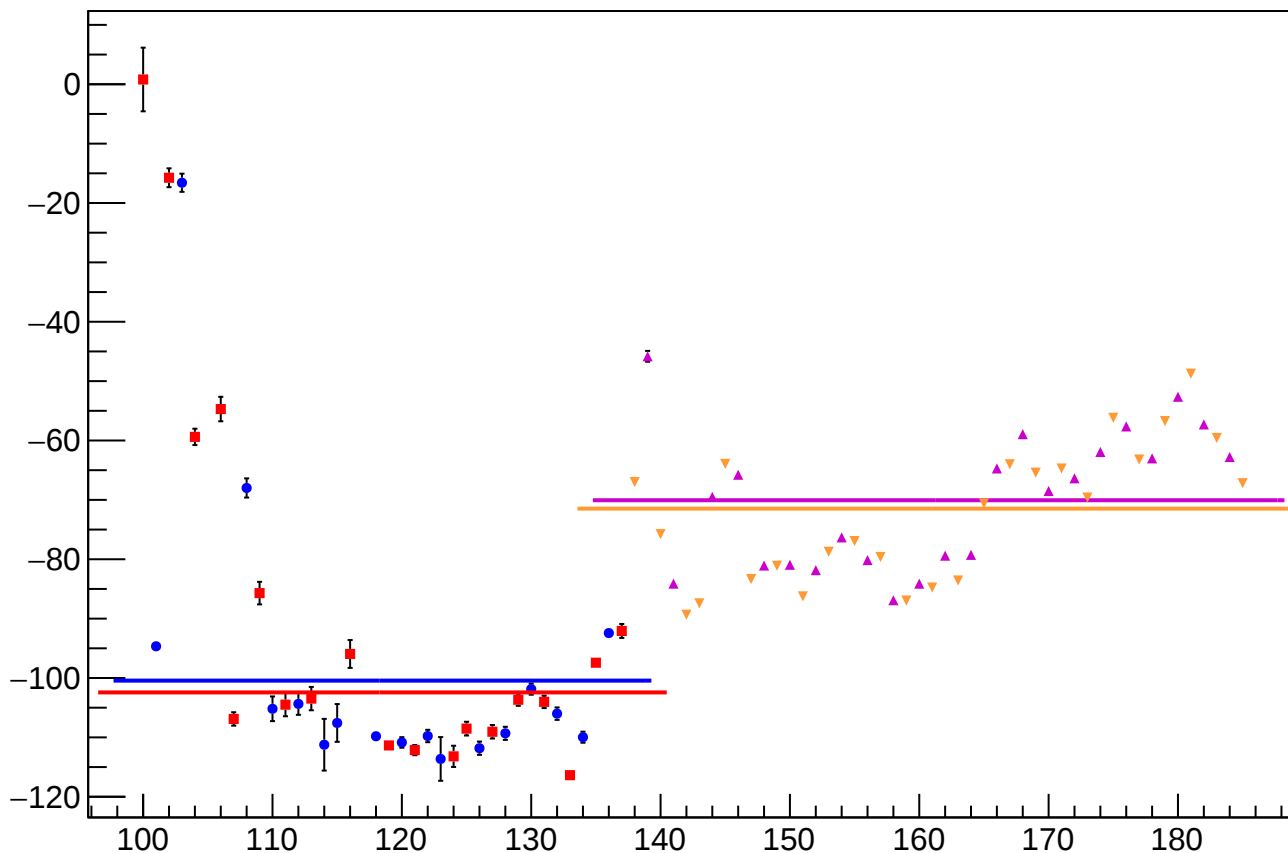
Right: 8.823 $\pm$ 0.296 χ^2 /NDF: 4600.1/35

In: 9.215 $\pm$ 0.100 χ^2 /NDF:14281.8/39

Out: 9.304 $\pm$ 0.098 χ^2 /NDF:15921.4/43

All: 9.260 $\pm$ 0.070 χ^2 /NDF: 30203.6/83

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.441 ± 0.251 χ^2/NDF : 4458.9/16

Left Out: -71.472 ± 0.089 χ^2/NDF : 16391.5/24

Right Out: -102.428 ± 0.247 χ^2/NDF : 6094.9/18

Left In: -70.061 ± 0.092 χ^2/NDF : 13058.5/22

Left: -70.785 ± 0.064 χ^2/NDF : 29571.5/47

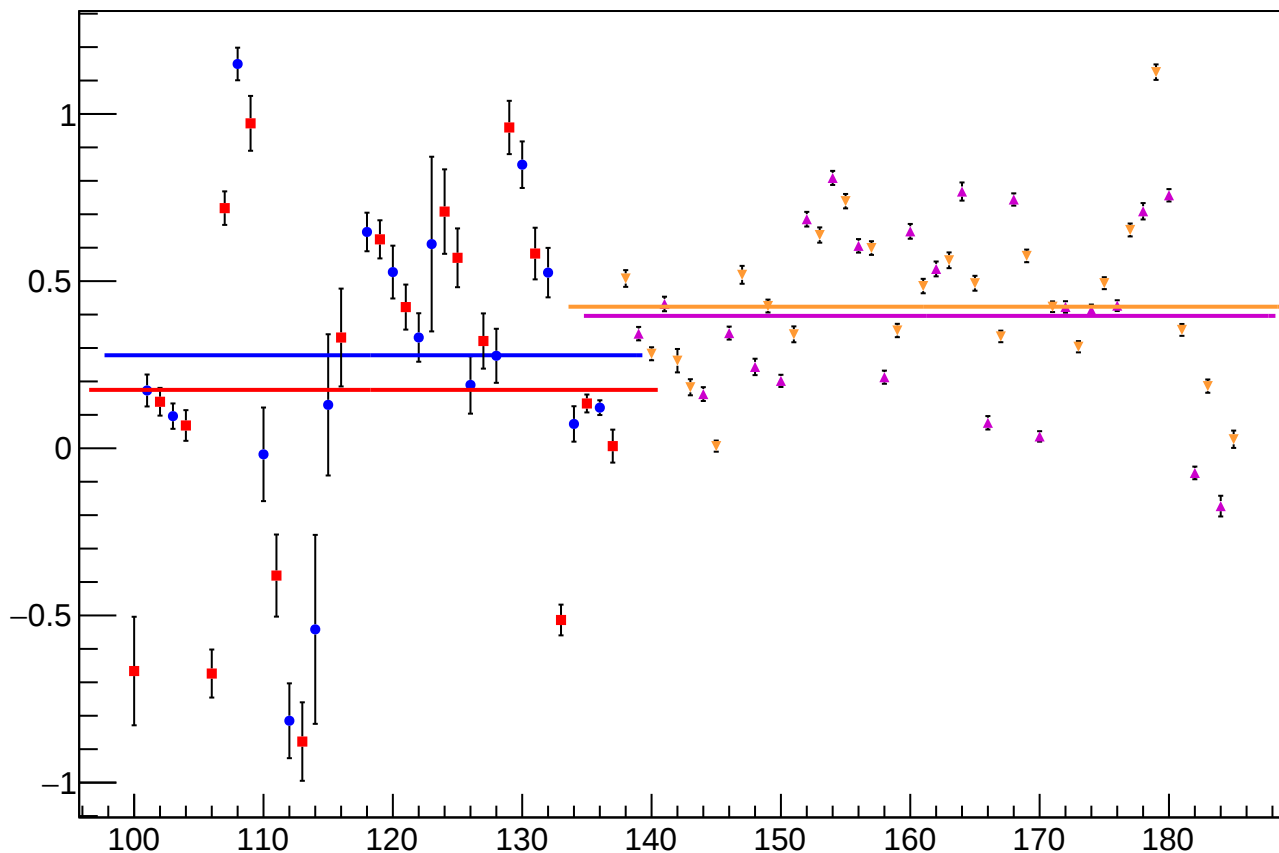
Right: -101.452 ± 0.176 χ^2/NDF : 10585.7/35

In: -73.639 ± 0.086 χ^2/NDF : 30437.3/39

Out: -75.058 ± 0.084 χ^2/NDF : 36411.0/43

All: -74.367 ± 0.060 χ^2/NDF : 66987.5/83

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.278 $\pm$ 0.014 χ^2/NDF : 653.5/16

Left Out: 0.424 $\pm$ 0.004 χ^2/NDF :2886.0/24

Right Out: 0.175 $\pm$ 0.013 χ^2/NDF : 966.1/18

Left In: 0.396 $\pm$ 0.004 χ^2/NDF :4051.5/22

Left: 0.410 $\pm$ 0.003 χ^2/NDF : 6959.6/47

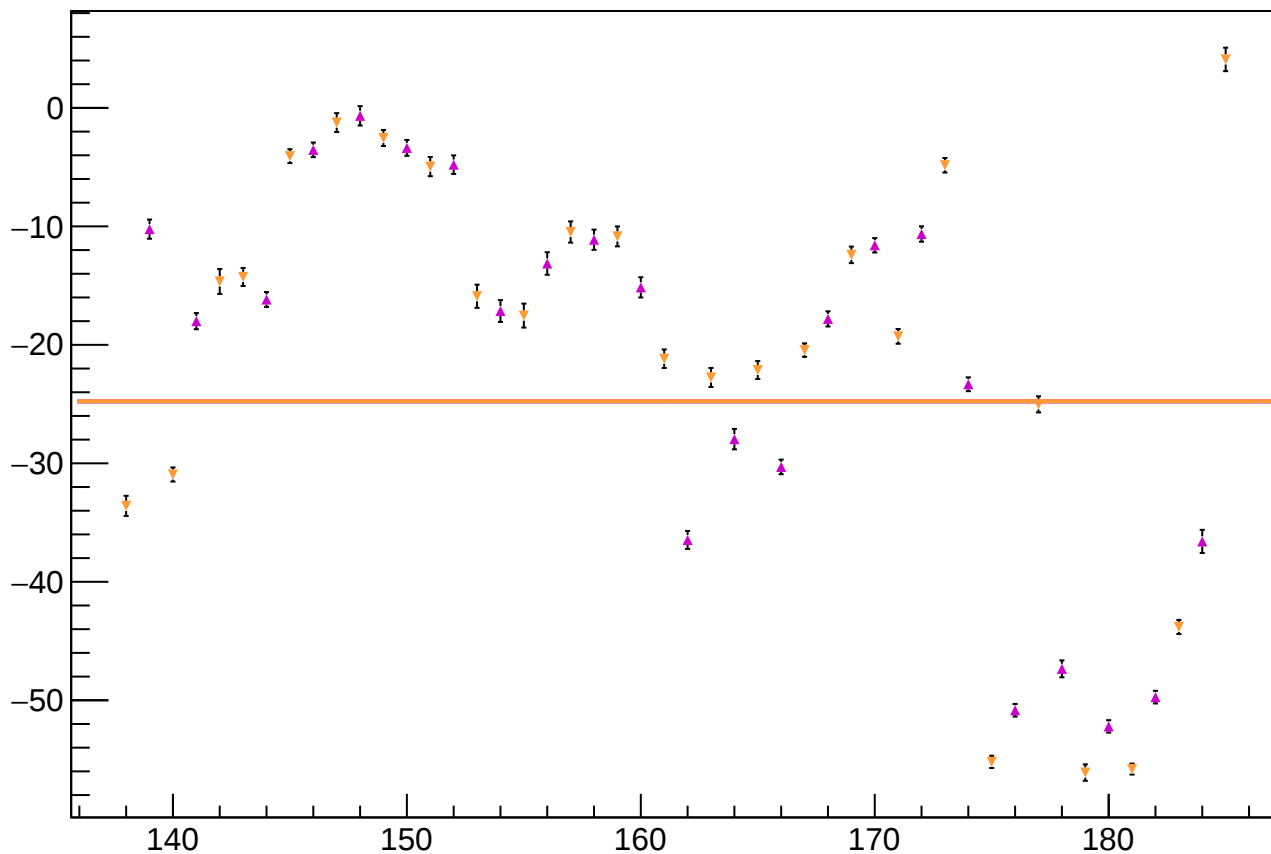
Right: 0.226 $\pm$ 0.010 χ^2/NDF : 1649.0/35

In: 0.386 $\pm$ 0.004 χ^2/NDF :4774.2/39

Out: 0.403 $\pm$ 0.004 χ^2/NDF :4163.5/43

All: 0.394 $\pm$ 0.003 χ^2/NDF : 8946.6/83

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -24.763+/-0.139 χ^2/NDF :18314.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -24.775+/-0.143 χ^2/NDF :14807.4/22

Left: -24.769+/-0.100 χ^2/NDF : 33122.2/47

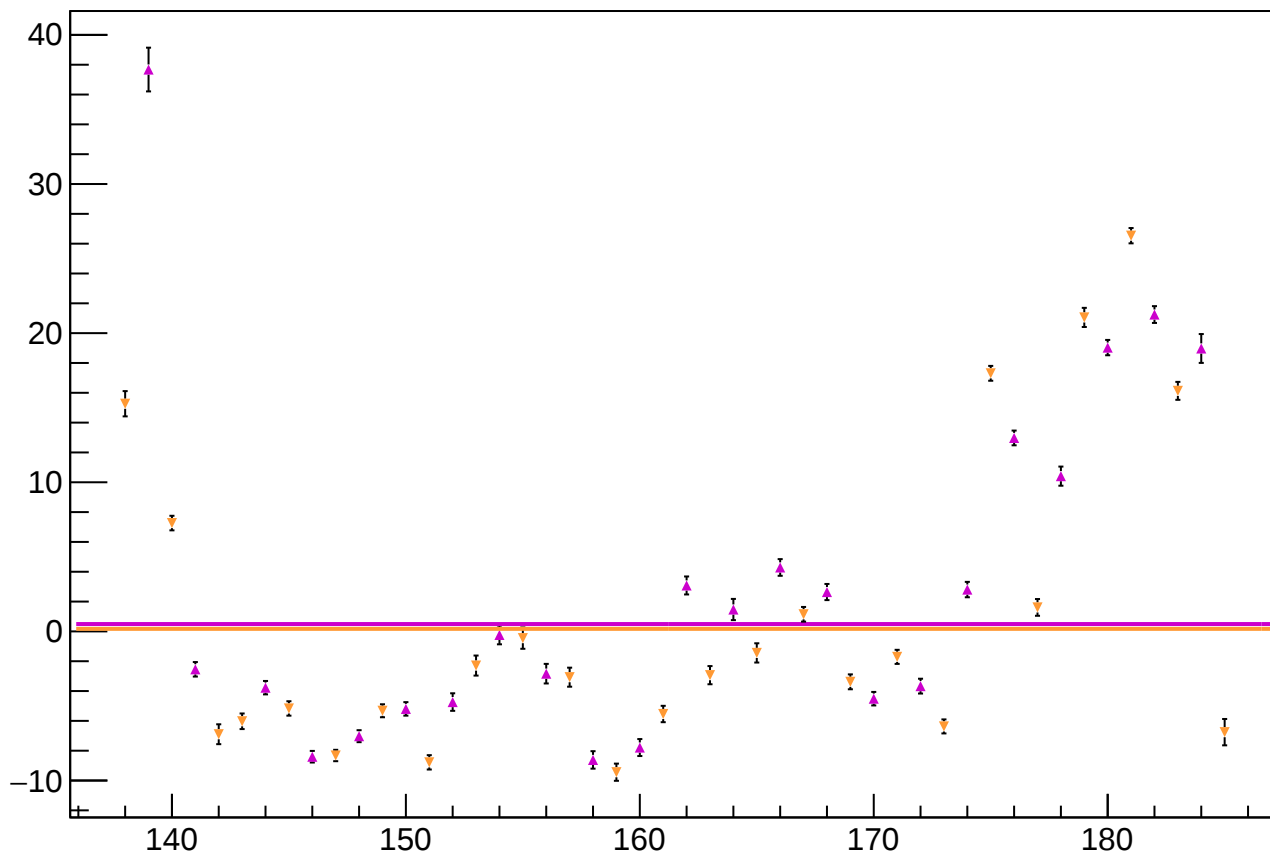
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.775+/-0.143 χ^2/NDF :14807.4/22

Out: -24.763+/-0.139 χ^2/NDF :18314.9/24

All: -24.769+/-0.100 χ^2/NDF : 33122.2/47

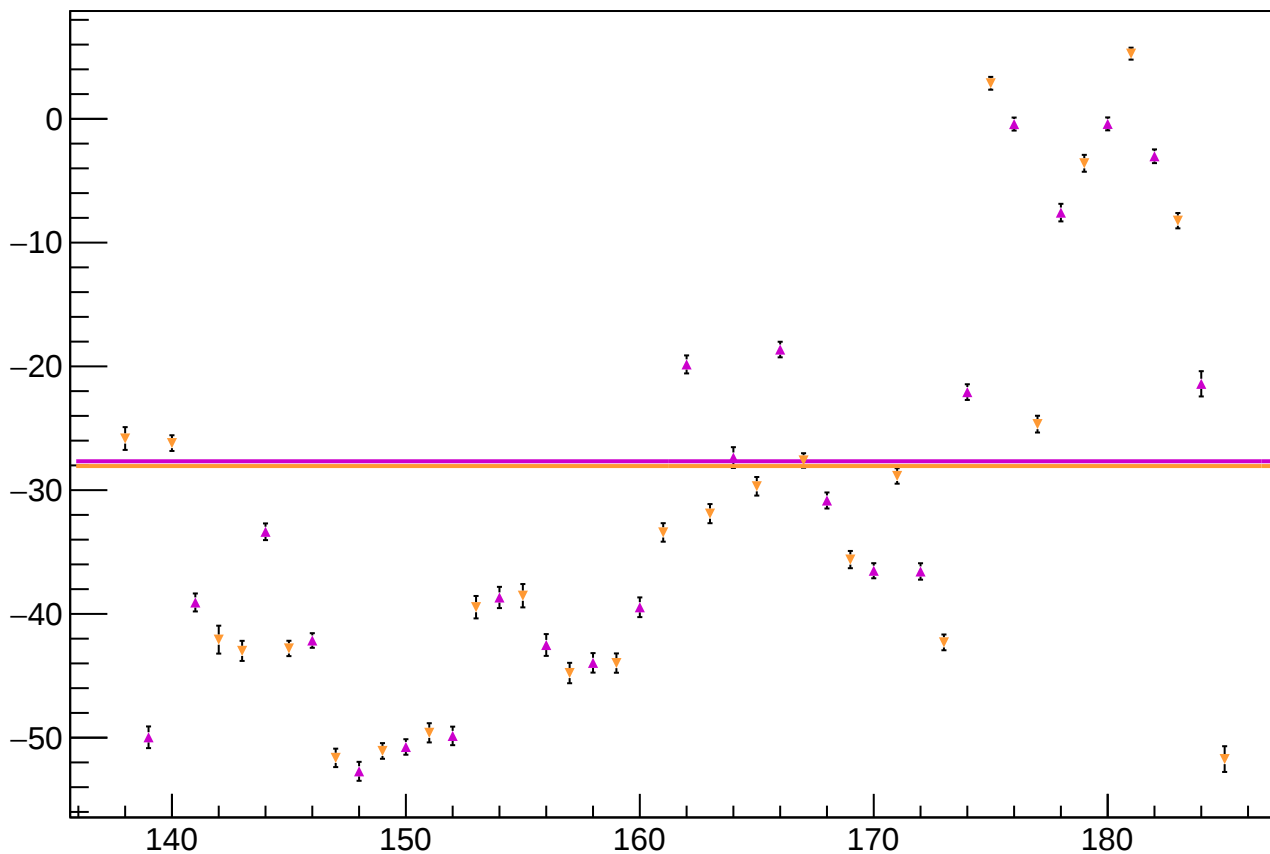
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.171 $\pm$ 0.109 χ^2 /NDF:8279.2/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.493 $\pm$ 0.112 χ^2 /NDF:6555.4/22

Left: 0.327 $\pm$ 0.078 χ^2 /NDF: 14838.9/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.493 $\pm$ 0.112 χ^2 /NDF:6555.4/22
 Out: 0.171 $\pm$ 0.109 χ^2 /NDF:8279.2/24
 All: 0.327 $\pm$ 0.078 χ^2 /NDF: 14838.9/47

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -28.054 $\pm$ 0.140 χ^2 /NDF:17142.7/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -27.666 $\pm$ 0.142 χ^2 /NDF:15003.2/22

Left: -27.864 $\pm$ 0.100 χ^2 /NDF: 32149.7/47

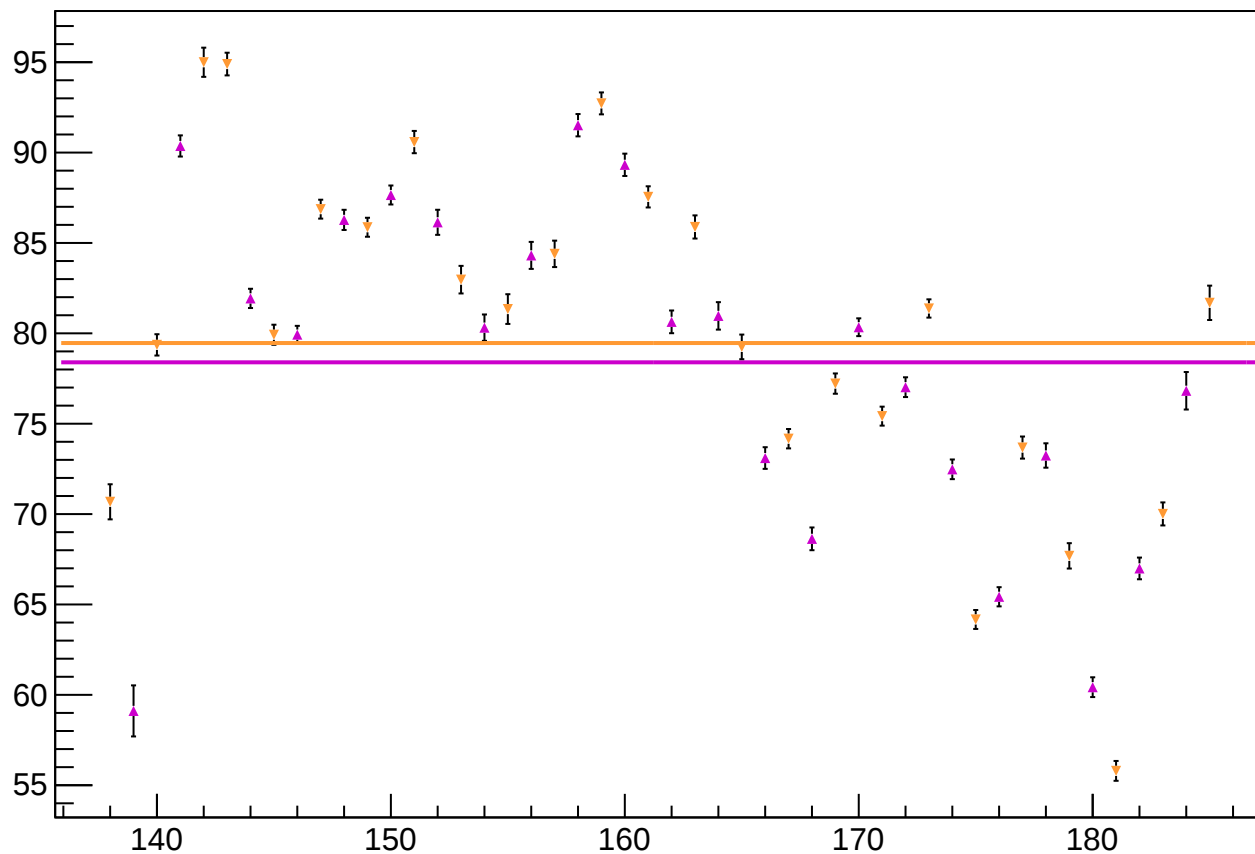
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -27.666 $\pm$ 0.142 χ^2 /NDF:15003.2/22

Out: -28.054 $\pm$ 0.140 χ^2 /NDF:17142.7/24

All: -27.864 $\pm$ 0.100 χ^2 /NDF: 32149.7/47

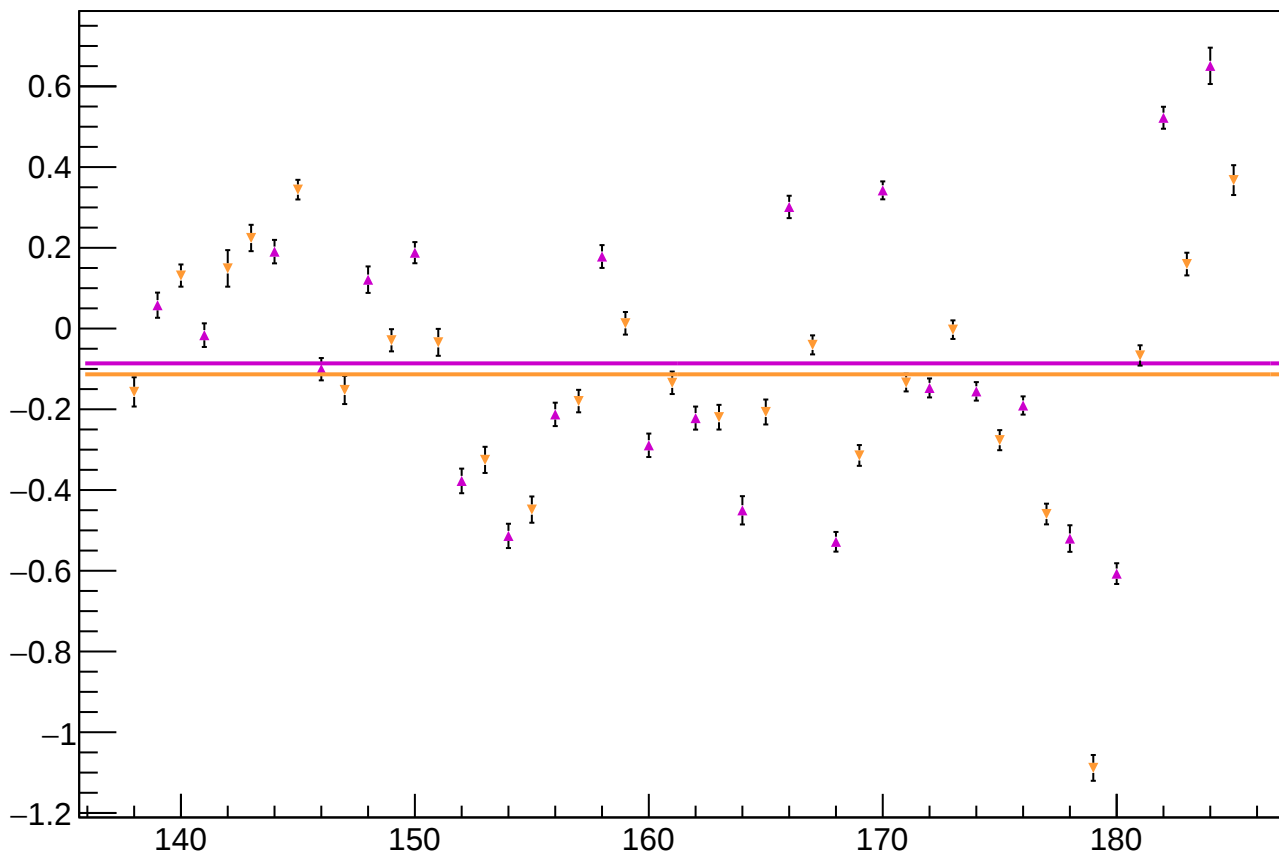
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 79.464 $\pm$ 0.123 χ^2/NDF :6068.1/24
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 78.396 $\pm$ 0.127 χ^2/NDF :4707.3/22

Left: 78.945 $\pm$ 0.088 χ^2/NDF : 10811.8/47
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 78.396 $\pm$ 0.127 χ^2/NDF :4707.3/22
 Out: 79.464 $\pm$ 0.123 χ^2/NDF :6068.1/24
 All: 78.945 $\pm$ 0.088 χ^2/NDF : 10811.8/47

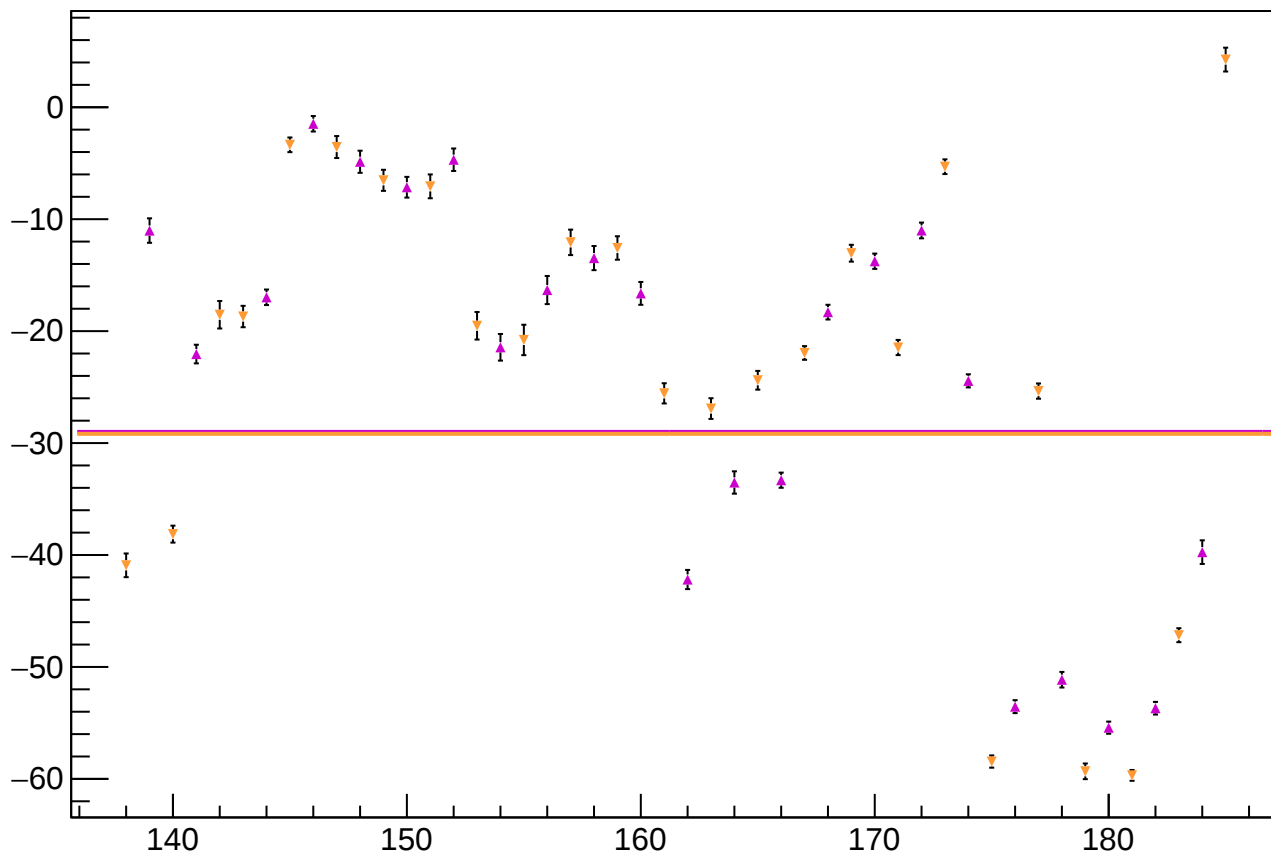
reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.113 $\pm$ 0.006 χ^2 /NDF:2303.7/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.086 $\pm$ 0.006 χ^2 /NDF:3132.1/22

Left: -0.100 $\pm$ 0.004 χ^2 /NDF: 5447.0/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.086 $\pm$ 0.006 χ^2 /NDF:3132.1/22
 Out: -0.113 $\pm$ 0.006 χ^2 /NDF:2303.7/24
 All: -0.100 $\pm$ 0.004 χ^2 /NDF: 5447.0/47

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -29.175+/-0.157 χ^2/NDF :16909.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -29.003+/-0.160 χ^2/NDF :13416.8/22

Left: -29.091+/-0.112 χ^2/NDF : 30327.3/47

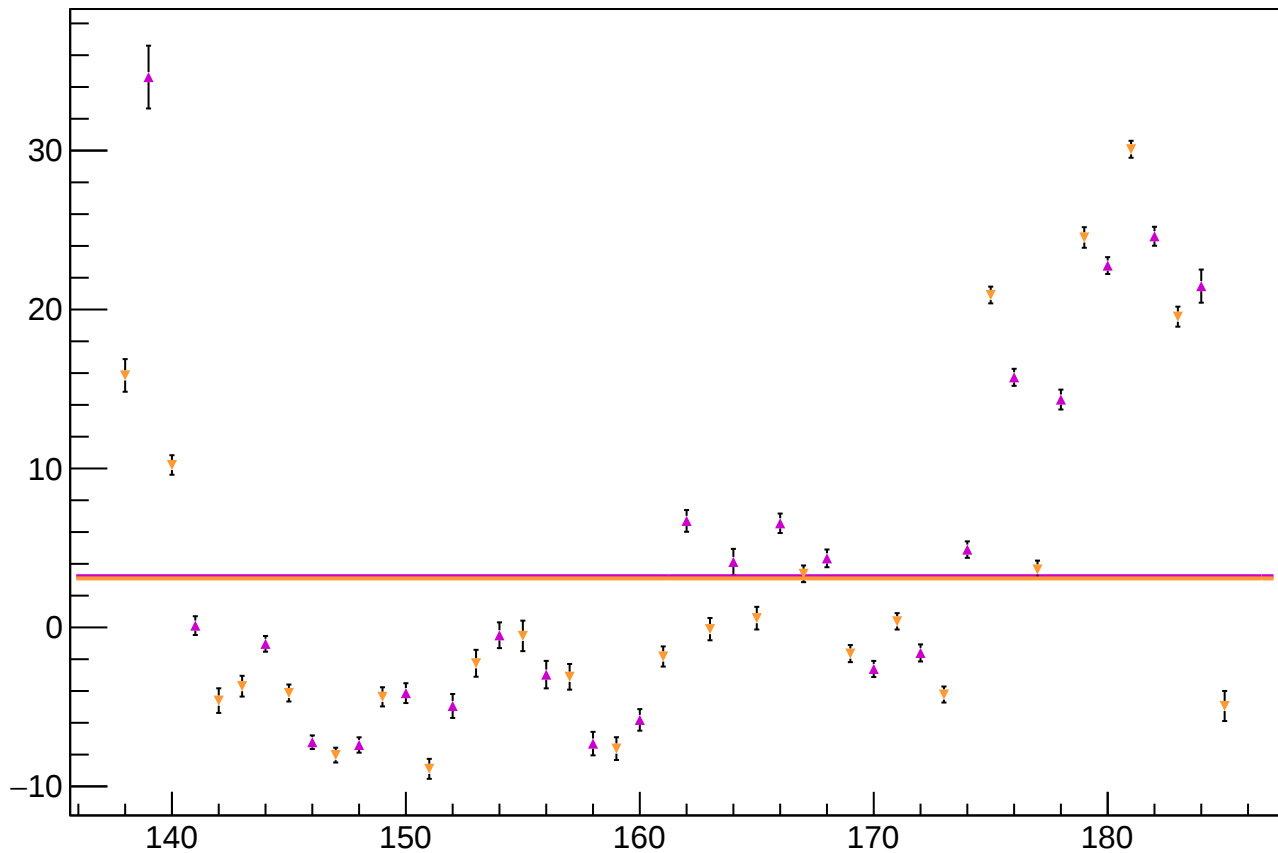
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.003+/-0.160 χ^2/NDF :13416.8/22

Out: -29.175+/-0.157 χ^2/NDF :16909.9/24

All: -29.091+/-0.112 χ^2/NDF : 30327.3/47

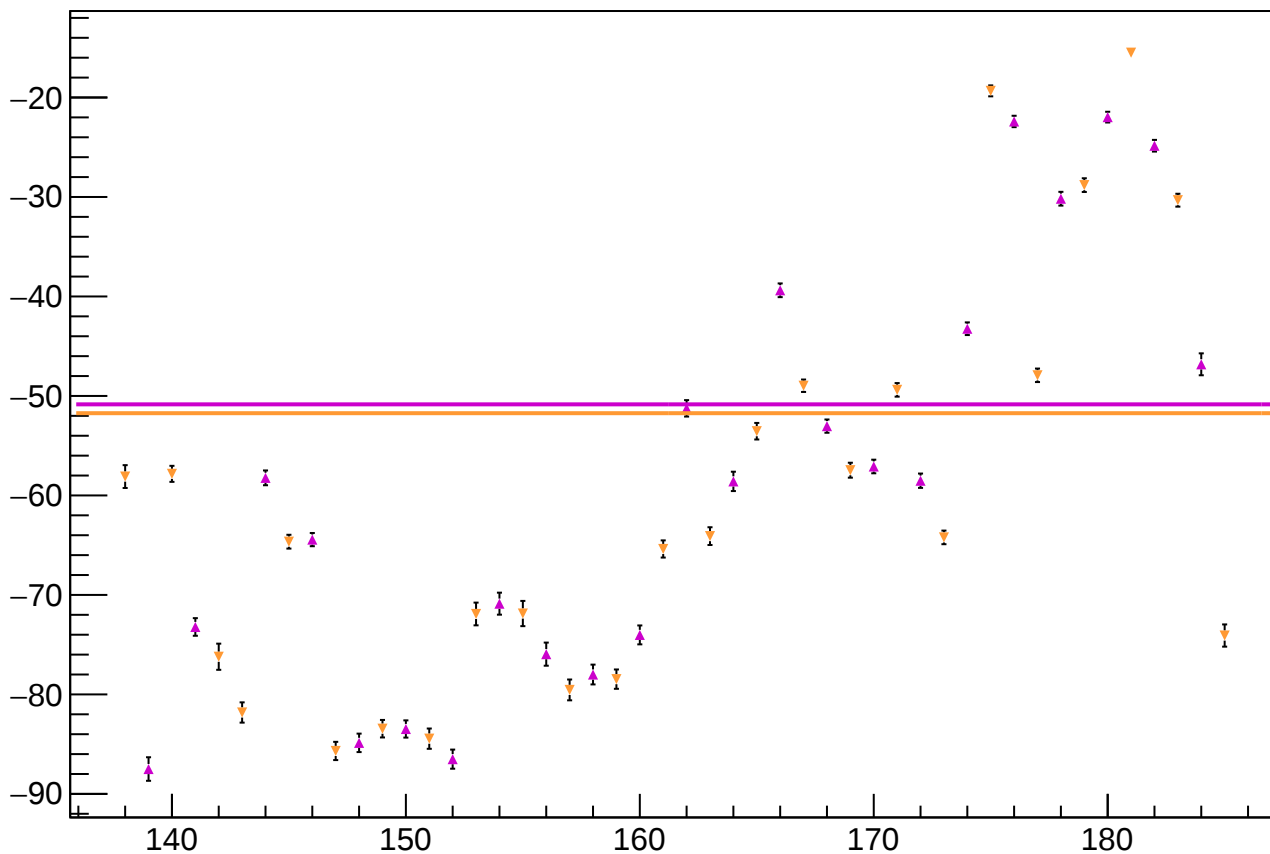
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.083+/-0.124 χ^2/NDF :8069.0/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.221+/-0.127 χ^2/NDF :6237.6/22

Left: 3.151+/-0.089 χ^2/NDF : 14307.3/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.221+/-0.127 χ^2/NDF :6237.6/22
 Out: 3.083+/-0.124 χ^2/NDF :8069.0/24
 All: 3.151+/-0.089 χ^2/NDF : 14307.3/47

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -51.733+/-0.158 χ^2/NDF :19537.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -50.844+/-0.160 χ^2/NDF :17272.0/22

Left: -51.295+/-0.112 χ^2/NDF : 36825.1/47

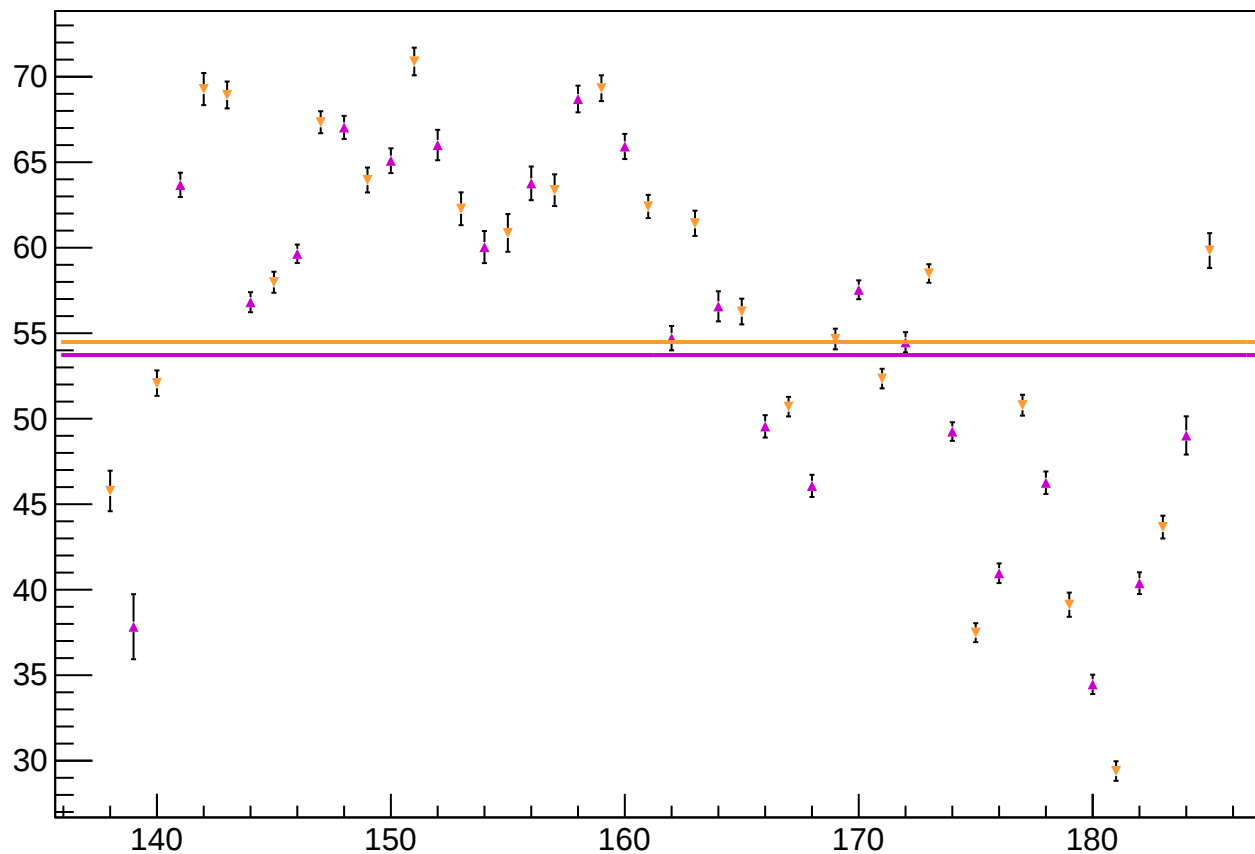
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -50.844+/-0.160 χ^2/NDF :17272.0/22

Out: -51.733+/-0.158 χ^2/NDF :19537.5/24

All: -51.295+/-0.112 χ^2/NDF : 36825.1/47

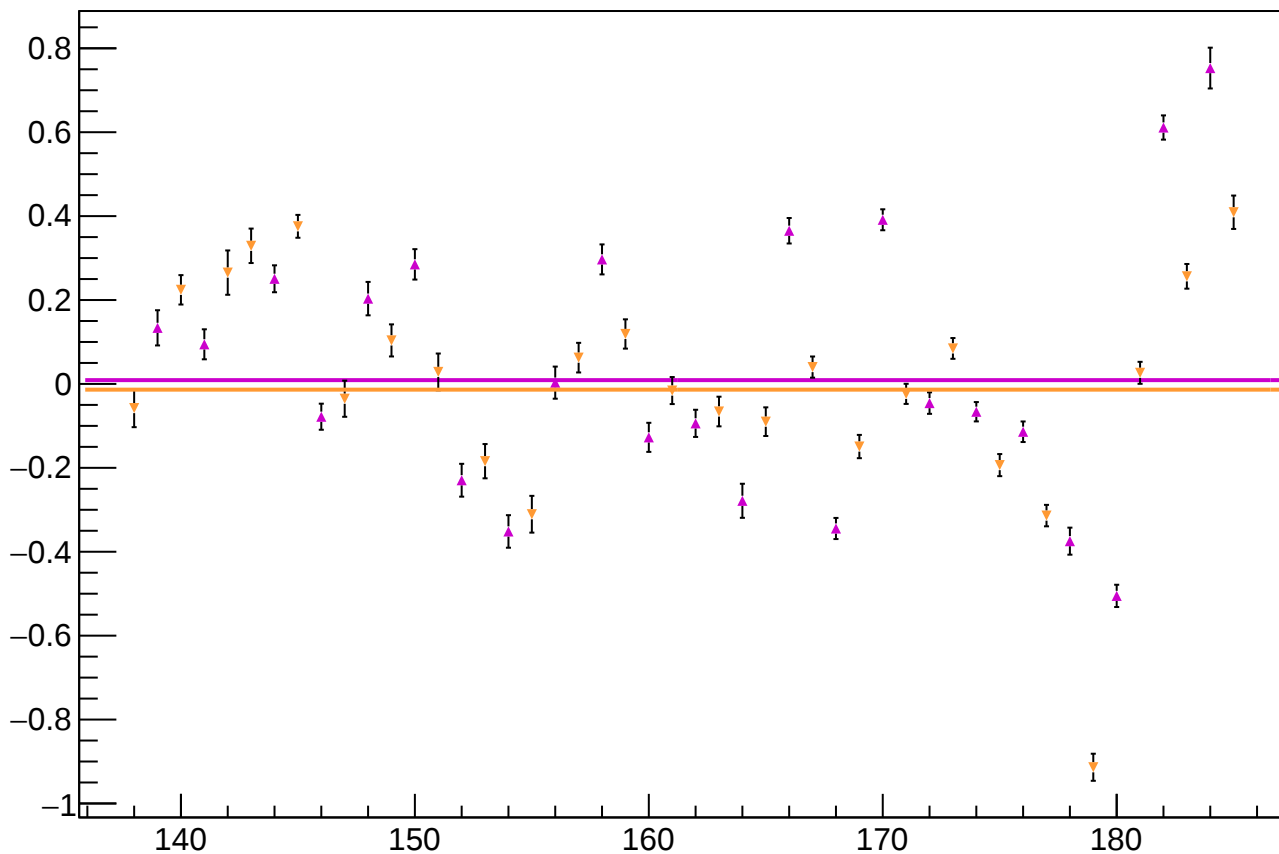
reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 54.485 $\pm$ 0.140 χ^2 /NDF:6257.4/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 53.724 $\pm$ 0.143 χ^2 /NDF:4585.7/22

Left: 54.112 $\pm$ 0.100 χ^2 /NDF: 10857.6/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 53.724 $\pm$ 0.143 χ^2 /NDF:4585.7/22
 Out: 54.485 $\pm$ 0.140 χ^2 /NDF:6257.4/24
 All: 54.112 $\pm$ 0.100 χ^2 /NDF: 10857.6/47

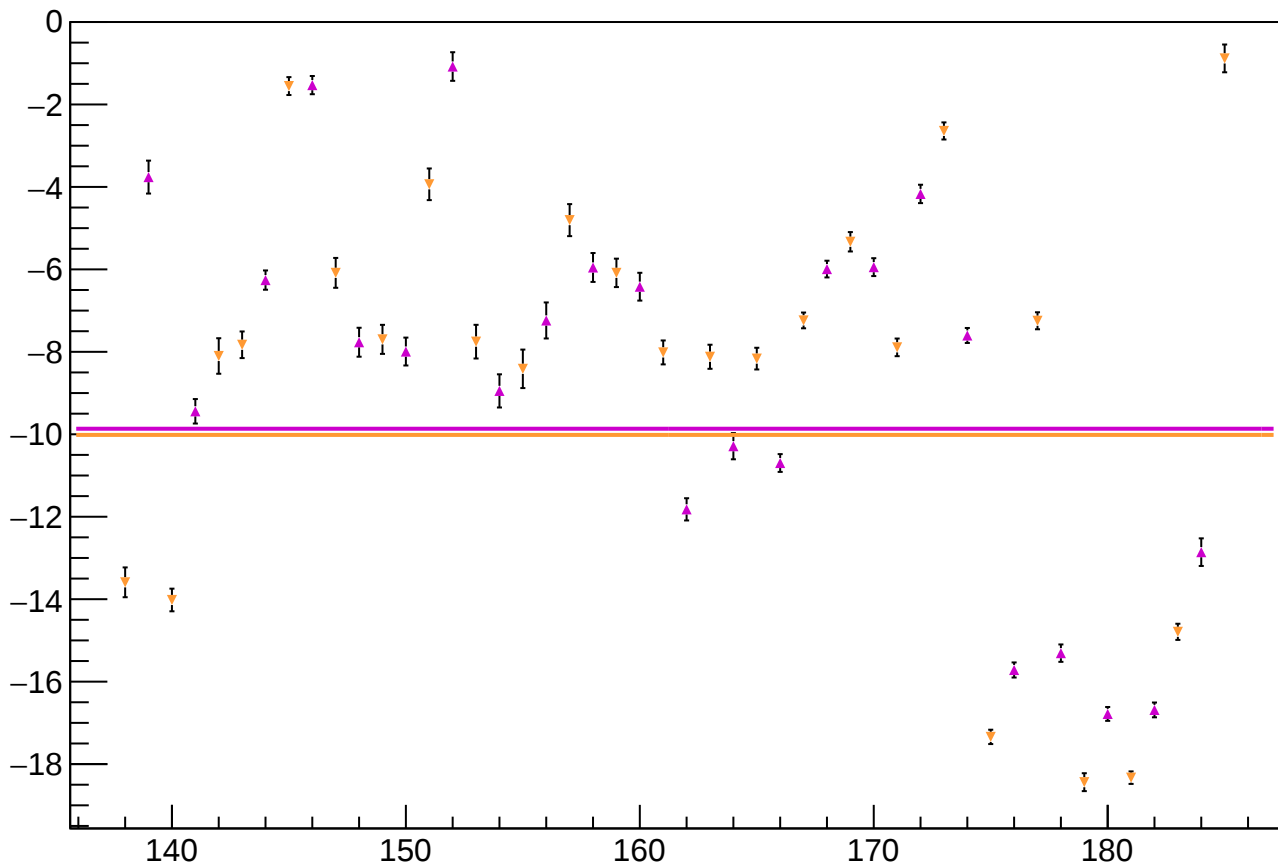
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.014 $\pm$ 0.006 χ^2 /NDF:1655.5/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.009 $\pm$ 0.007 χ^2 /NDF:2220.5/22

Left: -0.002 $\pm$ 0.005 χ^2 /NDF: 3882.1/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.009 $\pm$ 0.007 χ^2 /NDF:2220.5/22
 Out: -0.014 $\pm$ 0.006 χ^2 /NDF:1655.5/24
 All: -0.002 $\pm$ 0.005 χ^2 /NDF: 3882.1/47

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -10.015+/-0.051 χ^2/NDF :12550.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -9.865+/-0.051 χ^2/NDF :9345.4/22

Left: -9.941+/-0.036 χ^2/NDF : 21899.8/47

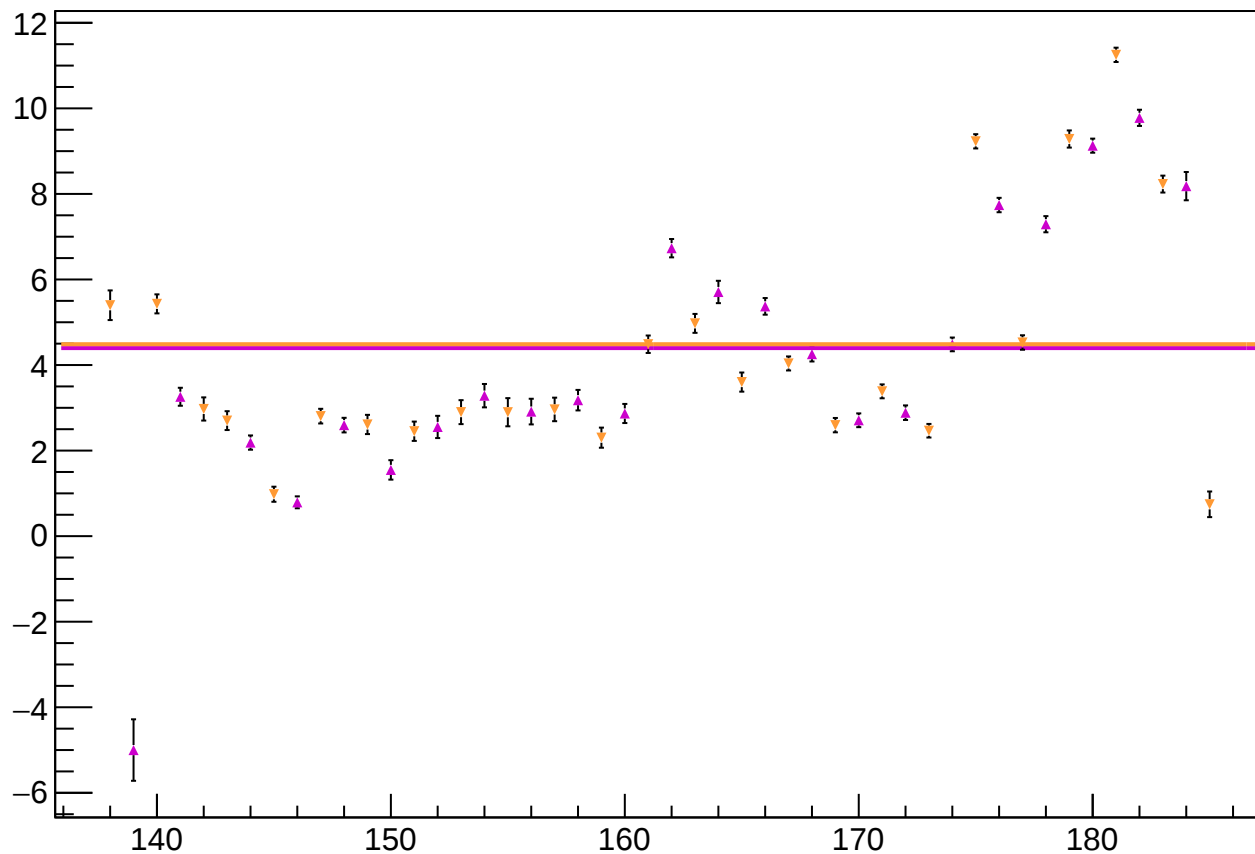
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -9.865+/-0.051 χ^2/NDF :9345.4/22

Out: -10.015+/-0.051 χ^2/NDF :12550.1/24

All: -9.941+/-0.036 χ^2/NDF : 21899.8/47

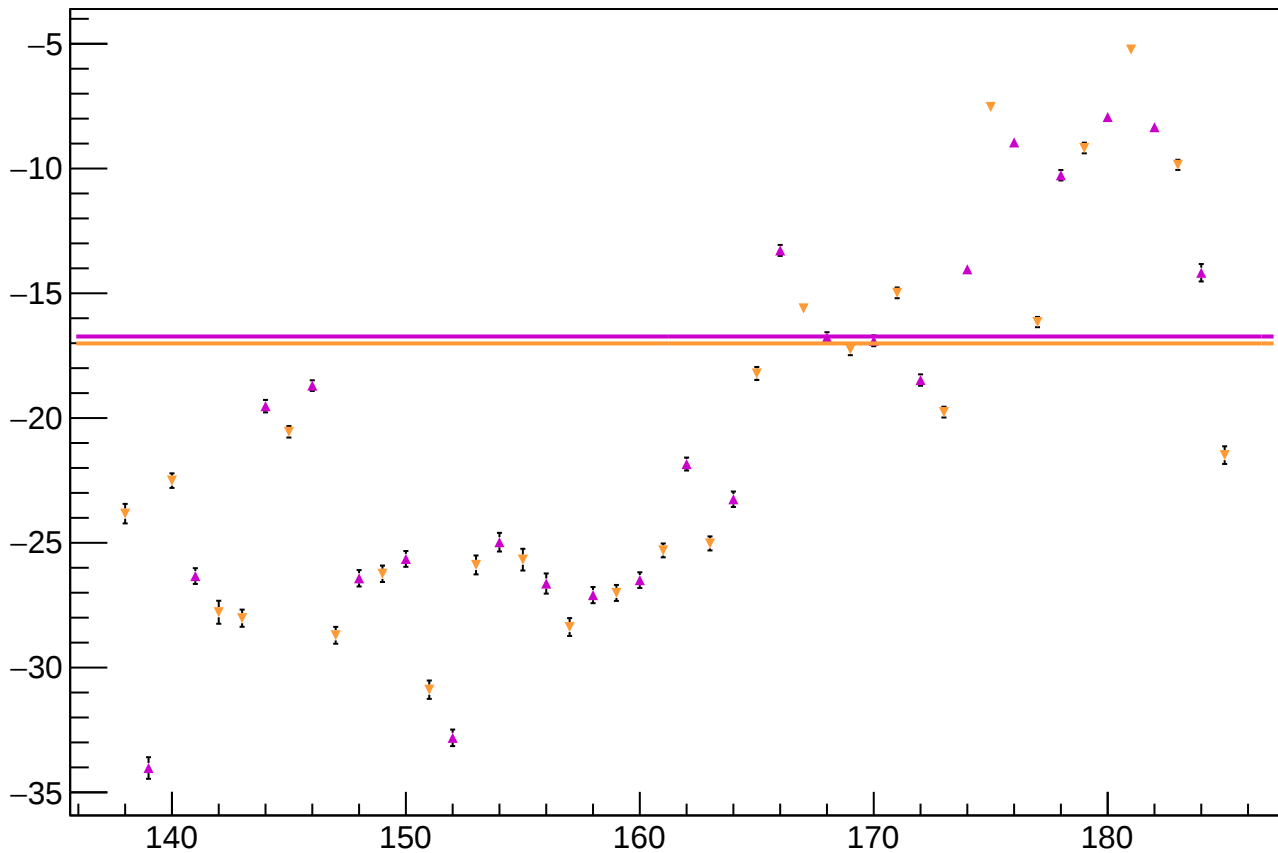
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.487 $\pm$ 0.041 χ^2 /NDF:4825.1/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.396 $\pm$ 0.041 χ^2 /NDF:4230.4/22

Left: 4.442 $\pm$ 0.029 χ^2 /NDF: 9058.0/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.396 $\pm$ 0.041 χ^2 /NDF:4230.4/22
 Out: 4.487 $\pm$ 0.041 χ^2 /NDF:4825.1/24
 All: 4.442 $\pm$ 0.029 χ^2 /NDF: 9058.0/47

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -17.010+/-0.051 χ^2/NDF :22093.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -16.732+/-0.052 χ^2/NDF :18777.2/22

Left: -16.872+/-0.036 χ^2/NDF : 40885.9/47

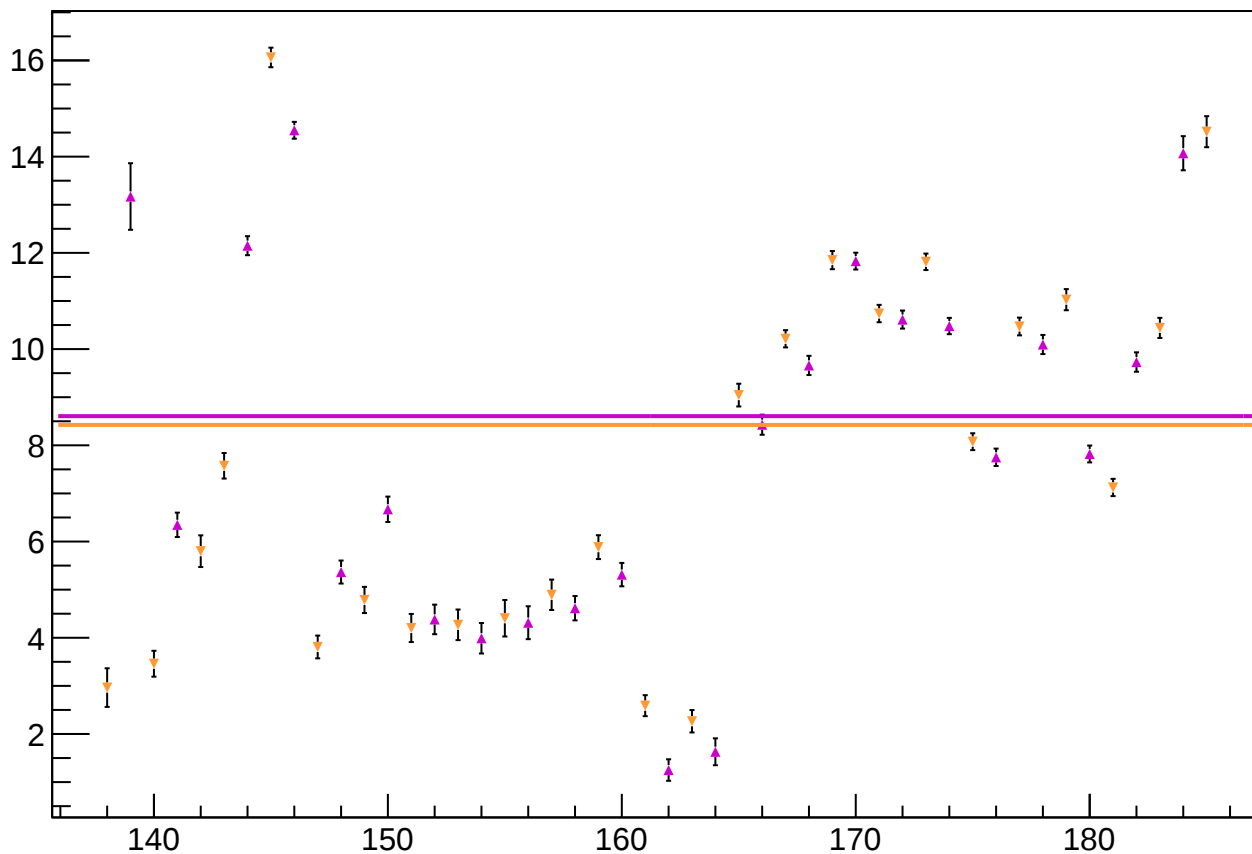
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -16.732+/-0.052 χ^2/NDF :18777.2/22

Out: -17.010+/-0.051 χ^2/NDF :22093.9/24

All: -16.872+/-0.036 χ^2/NDF : 40885.9/47

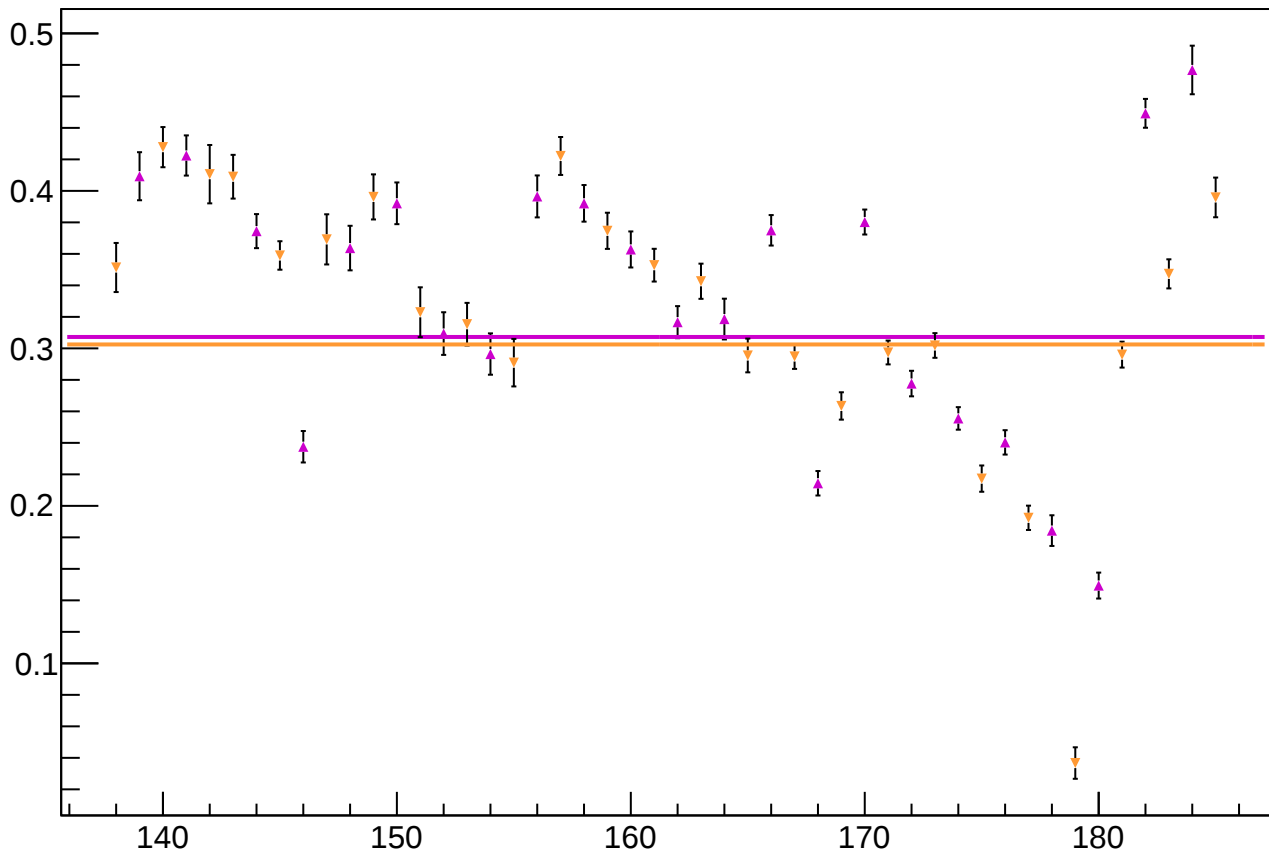
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.424+/-0.046 χ^2/NDF :6473.5/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.606+/-0.046 χ^2/NDF :5504.2/22

Left: 8.514+/-0.032 χ^2/NDF : 11985.7/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.606+/-0.046 χ^2/NDF :5504.2/22
 Out: 8.424+/-0.046 χ^2/NDF :6473.5/24
 All: 8.514+/-0.032 χ^2/NDF : 11985.7/47

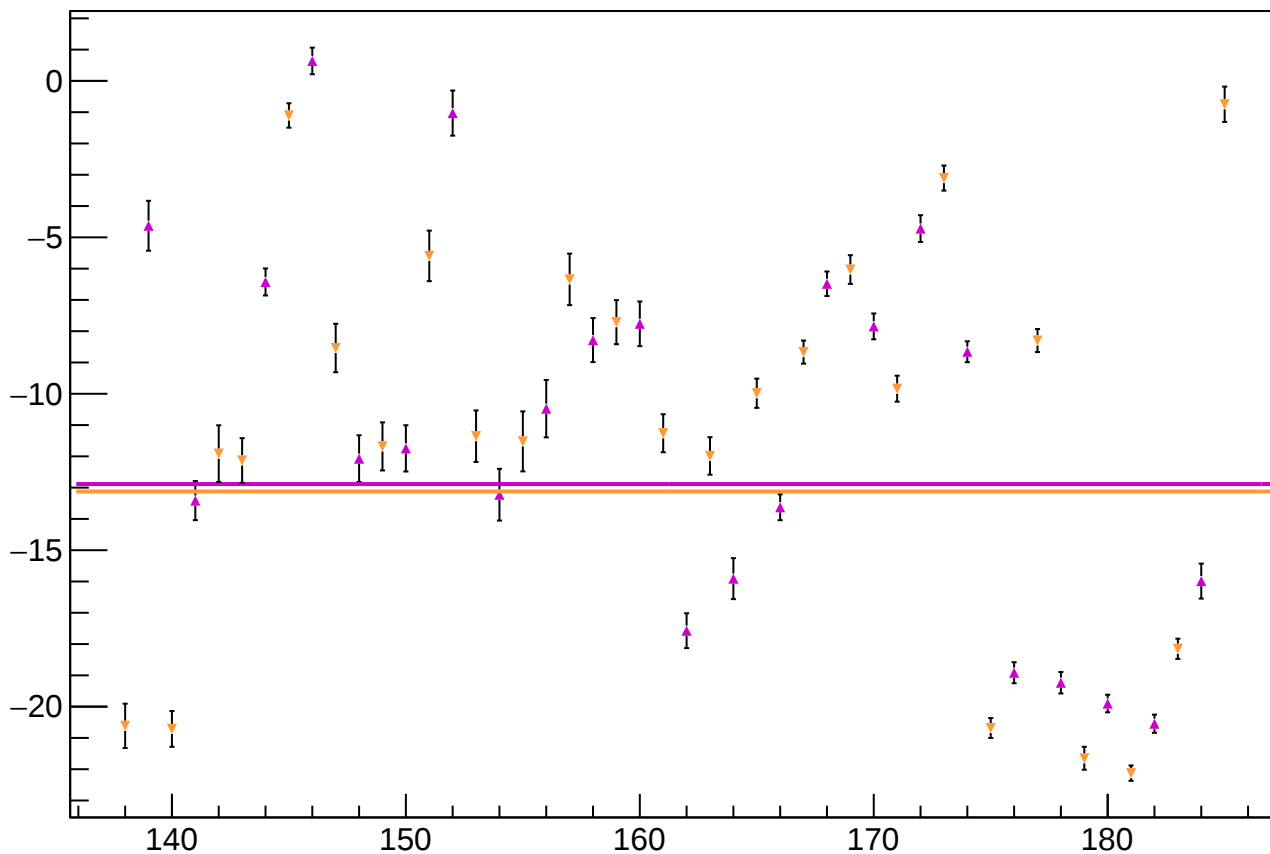
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.302 $\pm$ 0.002 χ^2 /NDF:1590.9/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.307 $\pm$ 0.002 χ^2 /NDF:1699.5/22

Left: 0.305 $\pm$ 0.001 χ^2 /NDF: 3293.0/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.307 $\pm$ 0.002 χ^2 /NDF:1699.5/22
 Out: 0.302 $\pm$ 0.002 χ^2 /NDF:1590.9/24
 All: 0.305 $\pm$ 0.001 χ^2 /NDF: 3293.0/47

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -13.123+/-0.094 χ^2/NDF : 5977.1/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -12.885+/-0.095 χ^2/NDF : 4776.2/22

Left: -13.006+/-0.067 χ^2/NDF : 10756.4/47

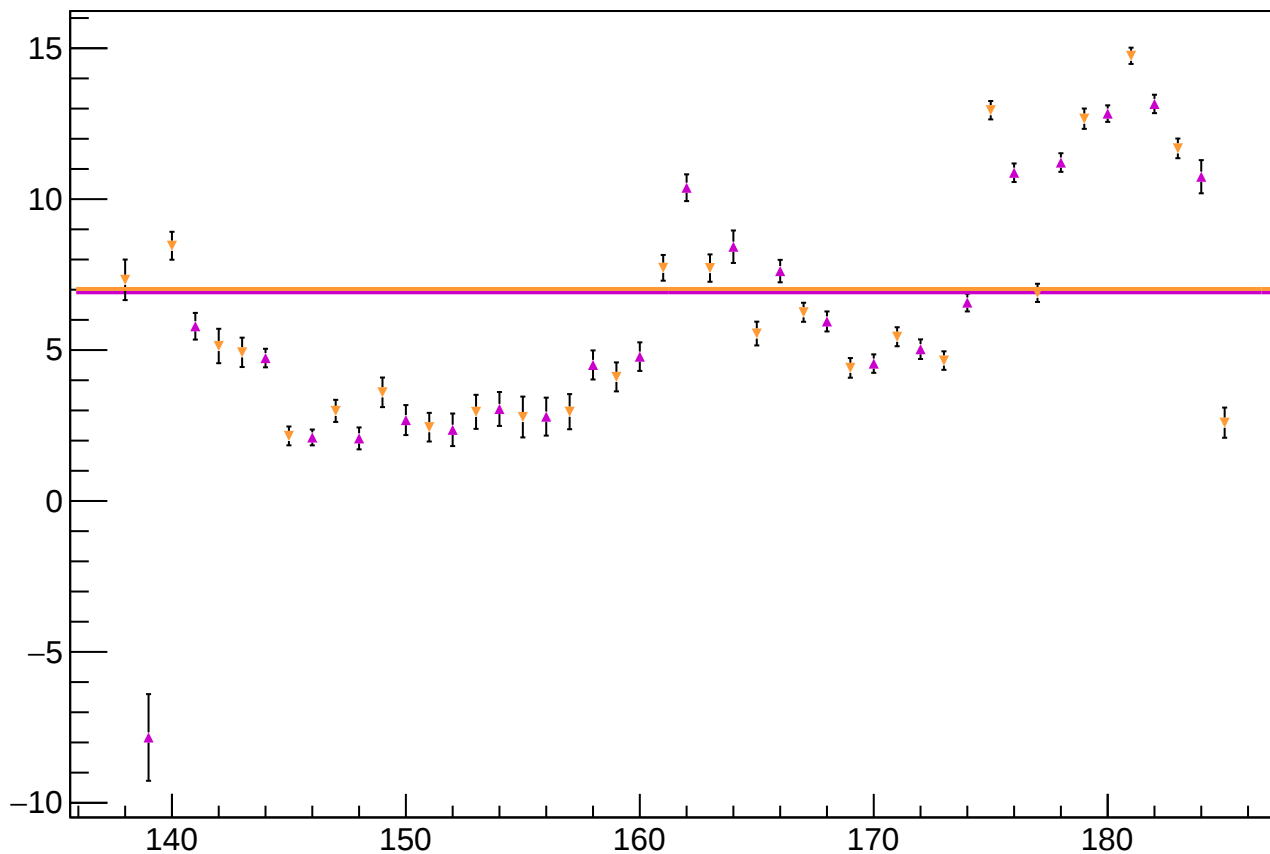
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.885+/-0.095 χ^2/NDF : 4776.2/22

Out: -13.123+/-0.094 χ^2/NDF : 5977.1/24

All: -13.006+/-0.067 χ^2/NDF : 10756.4/47

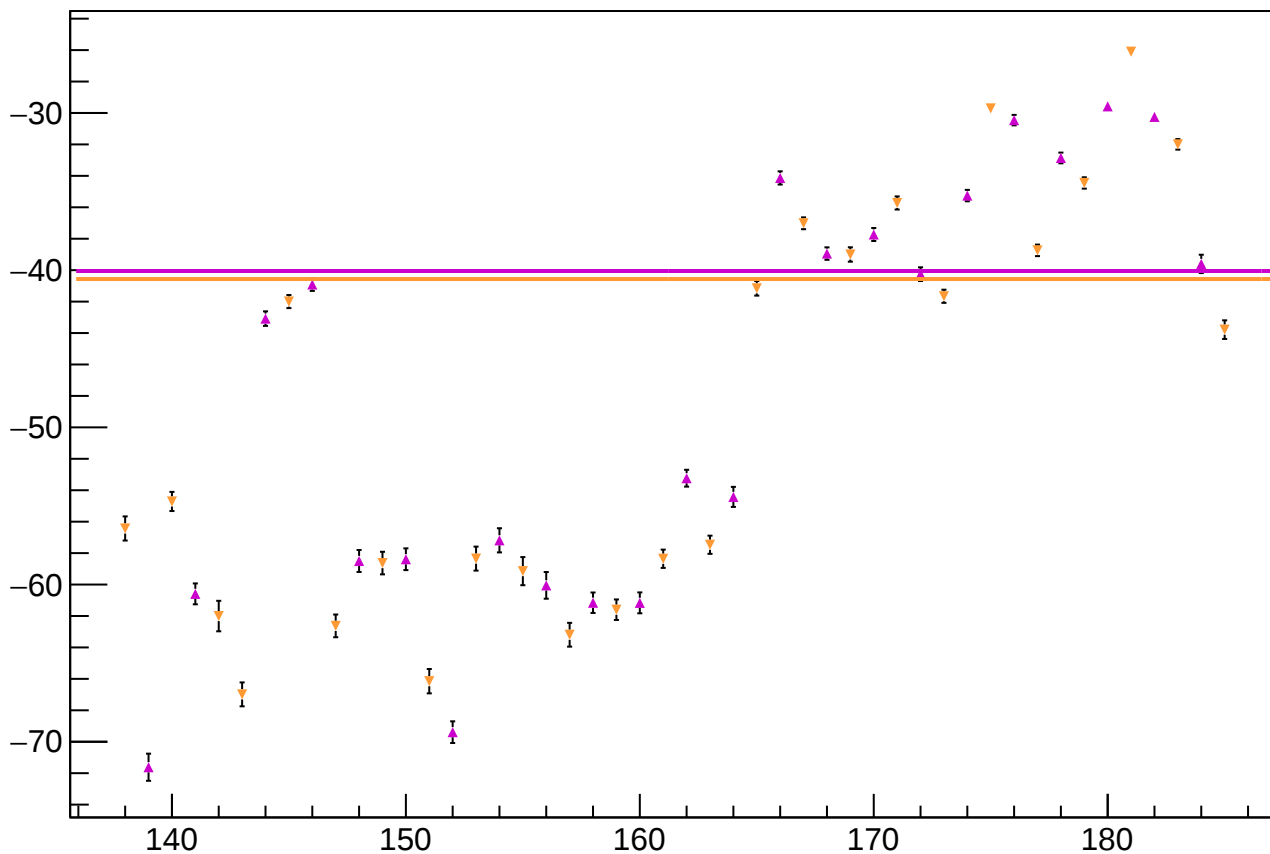
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.025 $\pm$ 0.077 χ^2 /NDF:2661.4/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 6.914 $\pm$ 0.078 χ^2 /NDF:2428.2/22

Left: 6.970 $\pm$ 0.055 χ^2 /NDF: 5090.7/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 6.914 $\pm$ 0.078 χ^2 /NDF:2428.2/22
 Out: 7.025 $\pm$ 0.077 χ^2 /NDF:2661.4/24
 All: 6.970 $\pm$ 0.055 χ^2 /NDF: 5090.7/47

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -40.564+/-0.095 χ^2/NDF :15638.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -40.053+/-0.096 χ^2/NDF :13927.3/22

Left: -40.311+/-0.067 χ^2/NDF : 29580.4/47

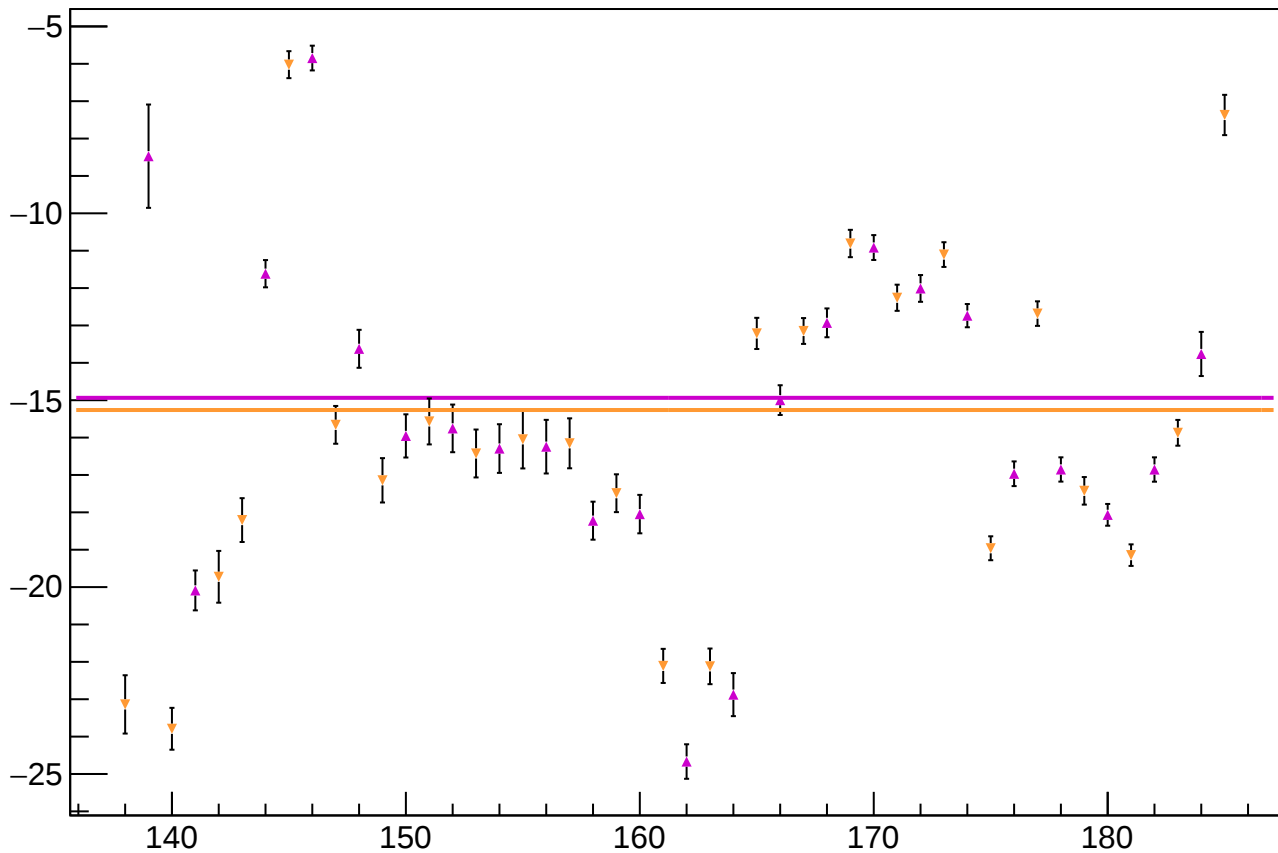
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -40.053+/-0.096 χ^2/NDF :13927.3/22

Out: -40.564+/-0.095 χ^2/NDF :15638.7/24

All: -40.311+/-0.067 χ^2/NDF : 29580.4/47

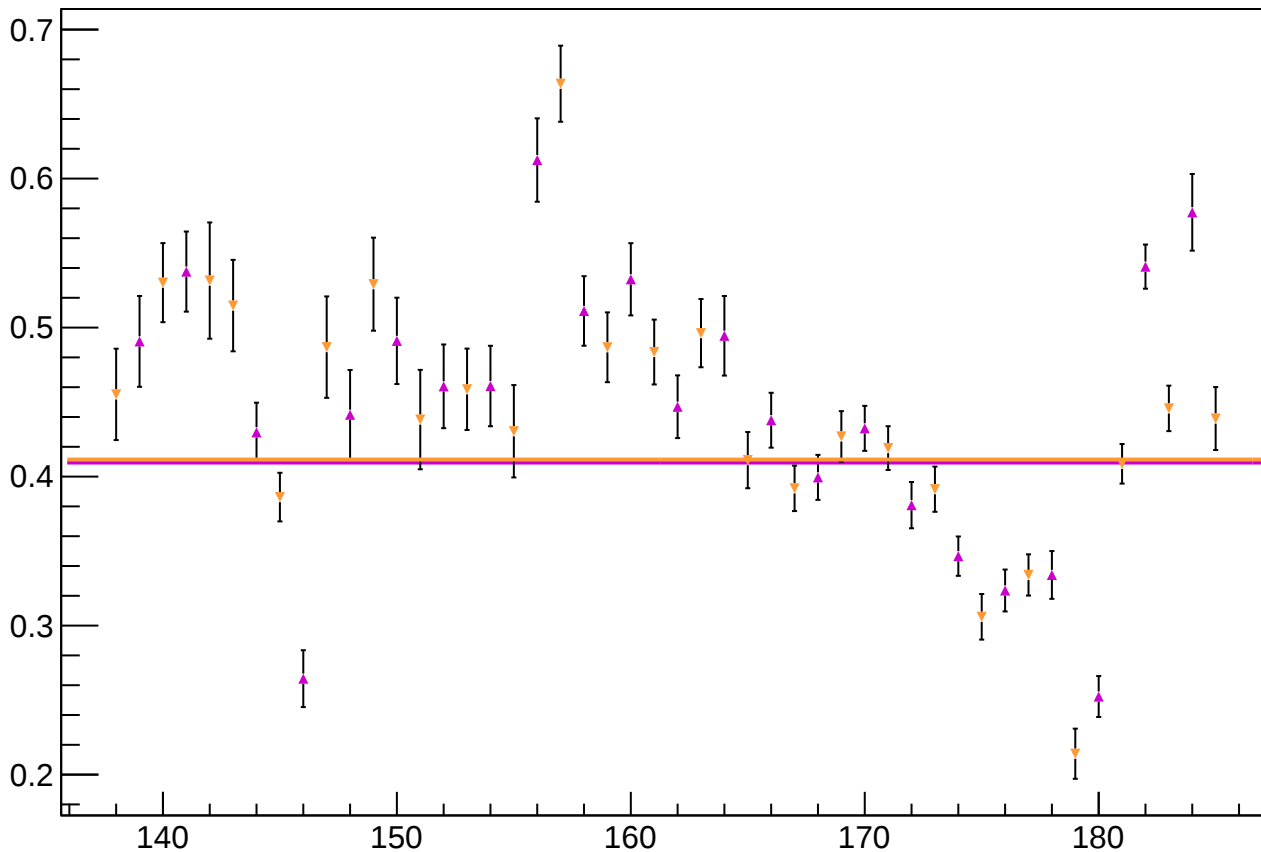
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -15.262 $\pm$ 0.086 χ^2 /NDF:2594.9/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -14.936 $\pm$ 0.087 χ^2 /NDF:2199.7/22

Left: -15.101 $\pm$ 0.061 χ^2 /NDF: 4801.8/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -14.936 $\pm$ 0.087 χ^2 /NDF:2199.7/22
 Out: -15.262 $\pm$ 0.086 χ^2 /NDF:2594.9/24
 All: -15.101 $\pm$ 0.061 χ^2 /NDF: 4801.8/47

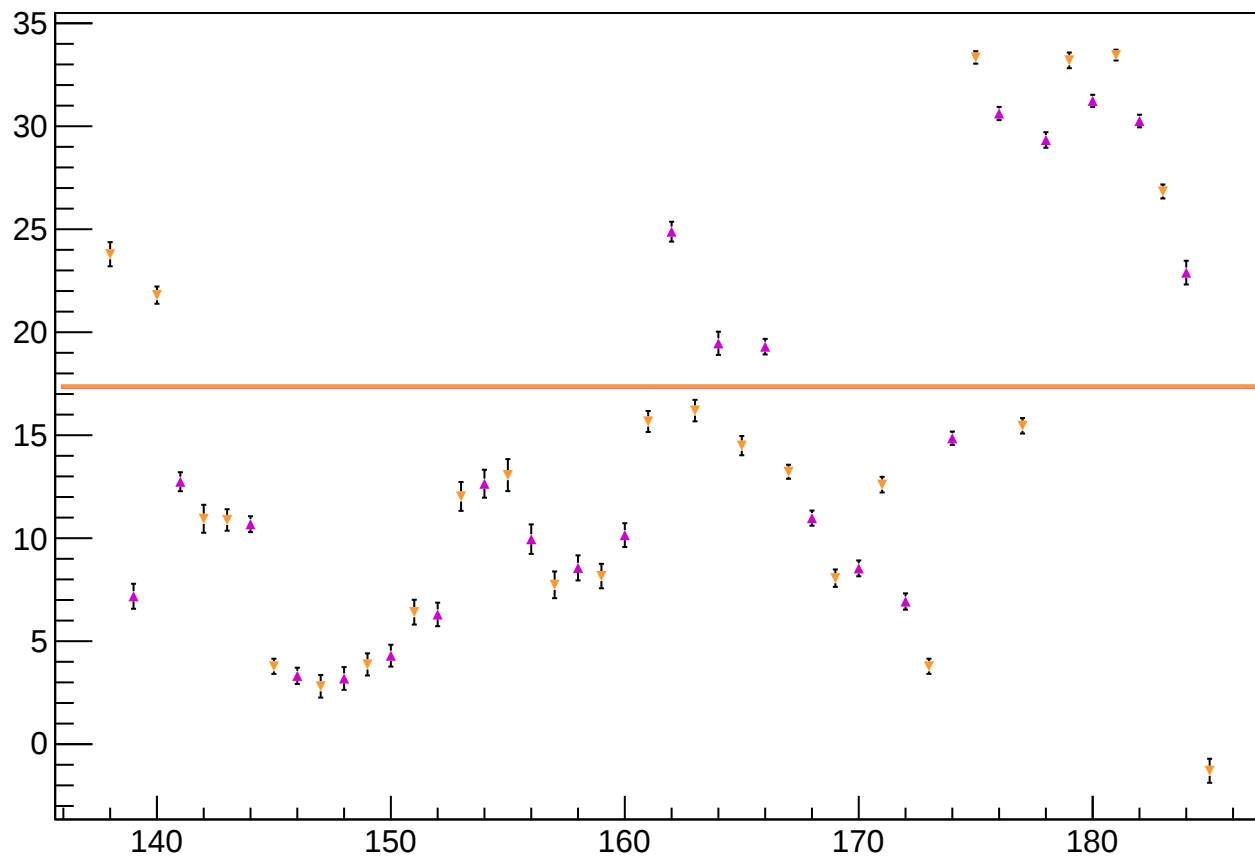
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.411 $\pm$ 0.004 χ^2 /NDF:428.8/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.409 $\pm$ 0.004 χ^2 /NDF:557.8/22

Left: 0.410 $\pm$ 0.003 χ^2 /NDF: 986.8/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.409 $\pm$ 0.004 χ^2 /NDF:557.8/22
 Out: 0.411 $\pm$ 0.004 χ^2 /NDF:428.8/24
 All: 0.410 $\pm$ 0.003 χ^2 /NDF: 986.8/47

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 17.365+/-0.087 χ^2/NDF :16335.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 17.355+/-0.089 χ^2/NDF :12745.1/22

Left: 17.360+/-0.062 χ^2/NDF : 29081.0/47

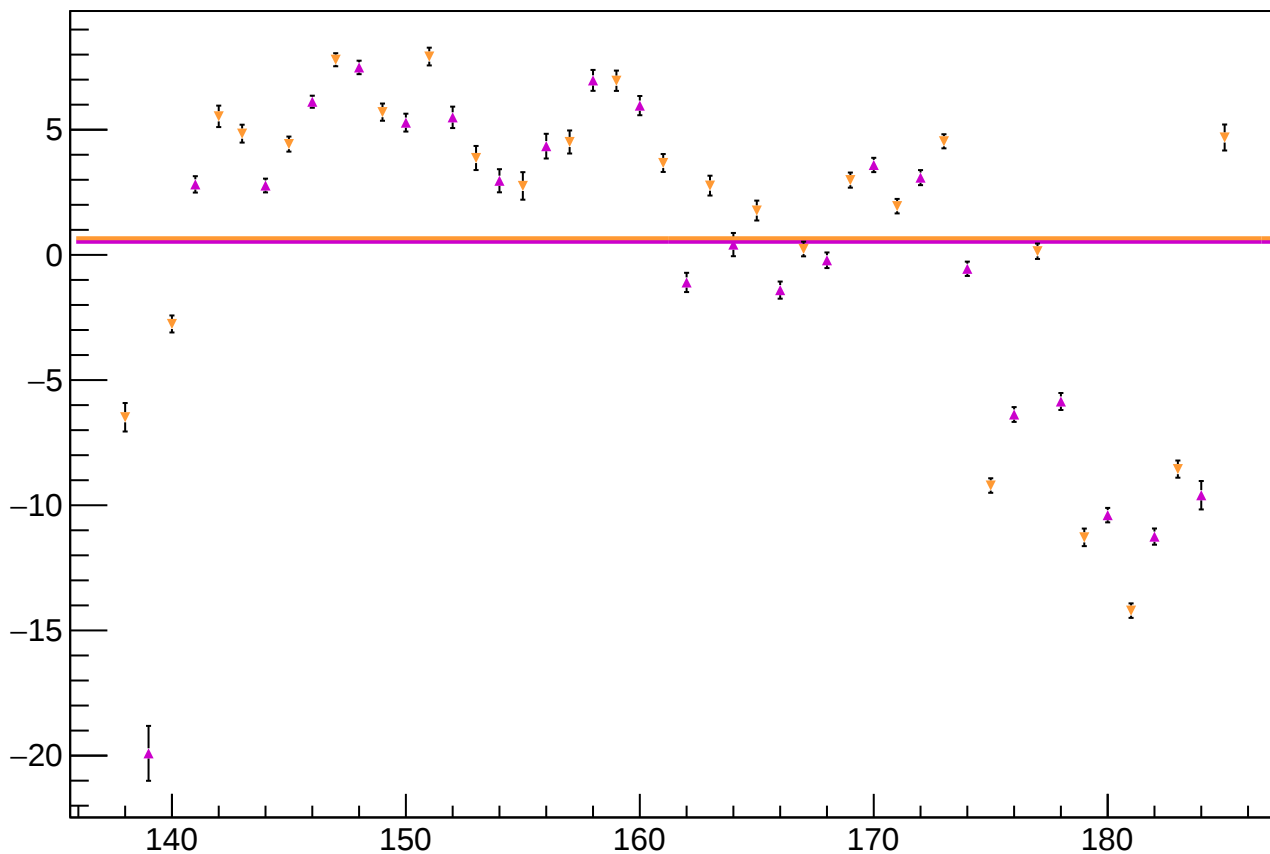
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 17.355+/-0.089 χ^2/NDF :12745.1/22

Out: 17.365+/-0.087 χ^2/NDF :16335.8/24

All: 17.360+/-0.062 χ^2/NDF : 29081.0/47

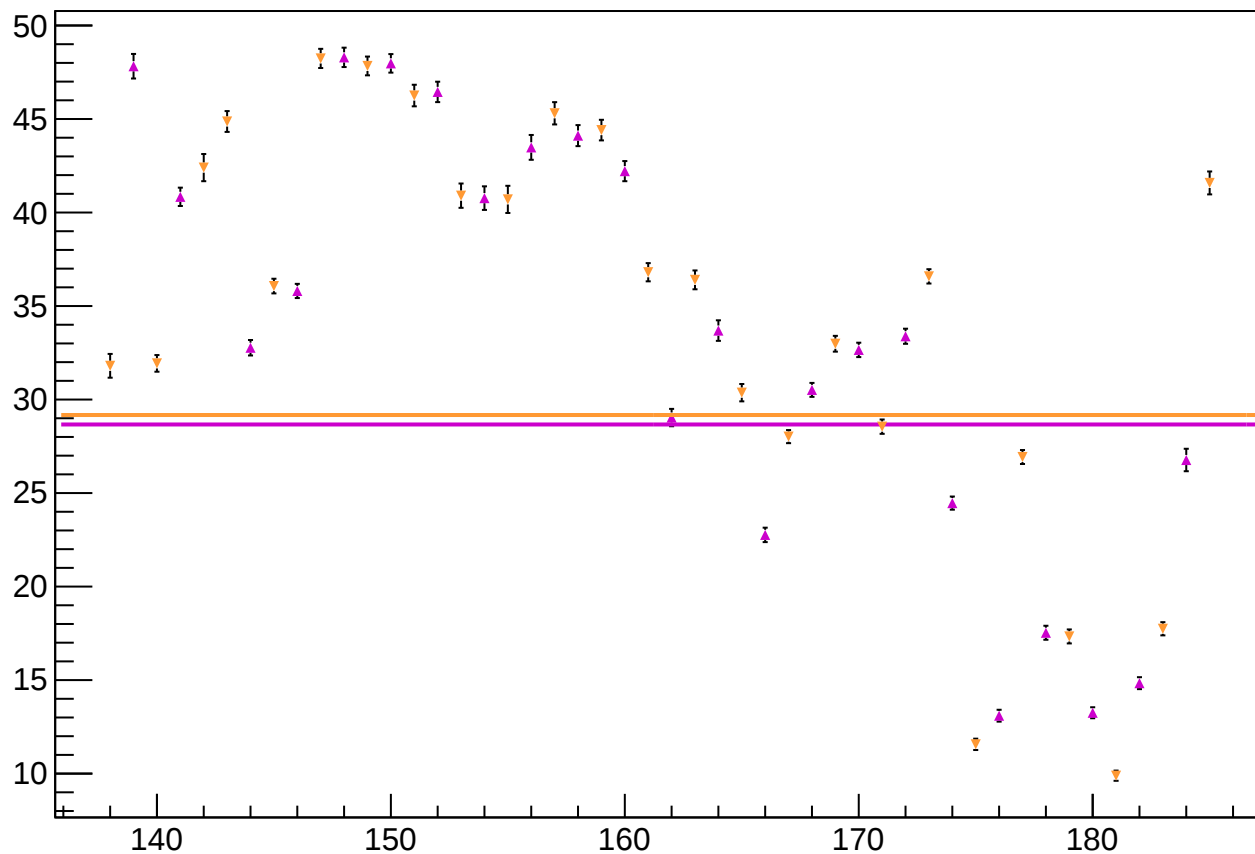
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.665 $\pm$ 0.069 χ^2 /NDF:8538.2/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.524 $\pm$ 0.071 χ^2 /NDF:6729.7/22

Left: 0.596 $\pm$ 0.050 χ^2 /NDF: 15269.9/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.524 $\pm$ 0.071 χ^2 /NDF:6729.7/22
 Out: 0.665 $\pm$ 0.069 χ^2 /NDF:8538.2/24
 All: 0.596 $\pm$ 0.050 χ^2 /NDF: 15269.9/47

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: 29.173 $\pm$ 0.088 χ^2 /NDF:18974.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

Left: 28.924 $\pm$ 0.063 χ^2 /NDF: 35837.8/47

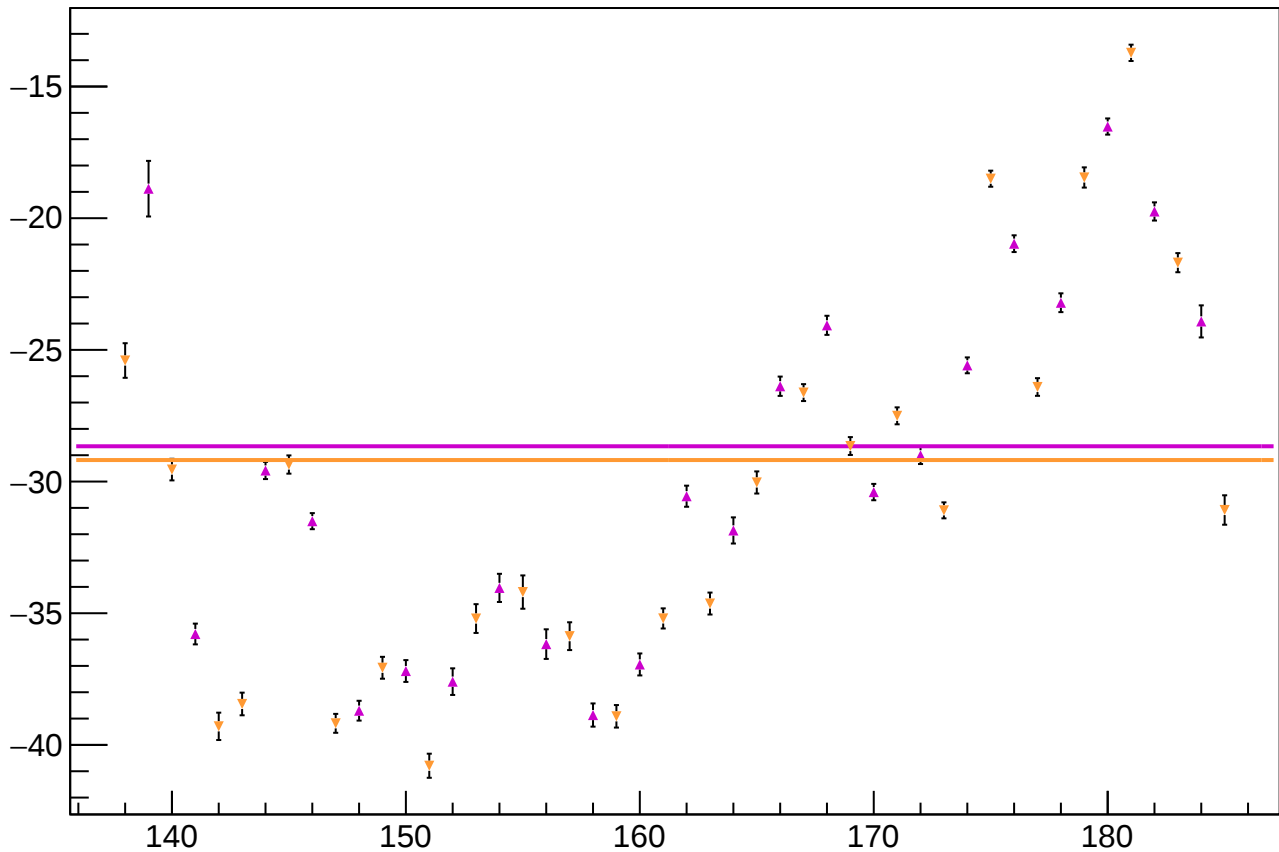
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 28.667 $\pm$ 0.089 χ^2 /NDF:16847.2/22

Out: 29.173 $\pm$ 0.088 χ^2 /NDF:18974.2/24

All: 28.924 $\pm$ 0.063 χ^2 /NDF: 35837.8/47

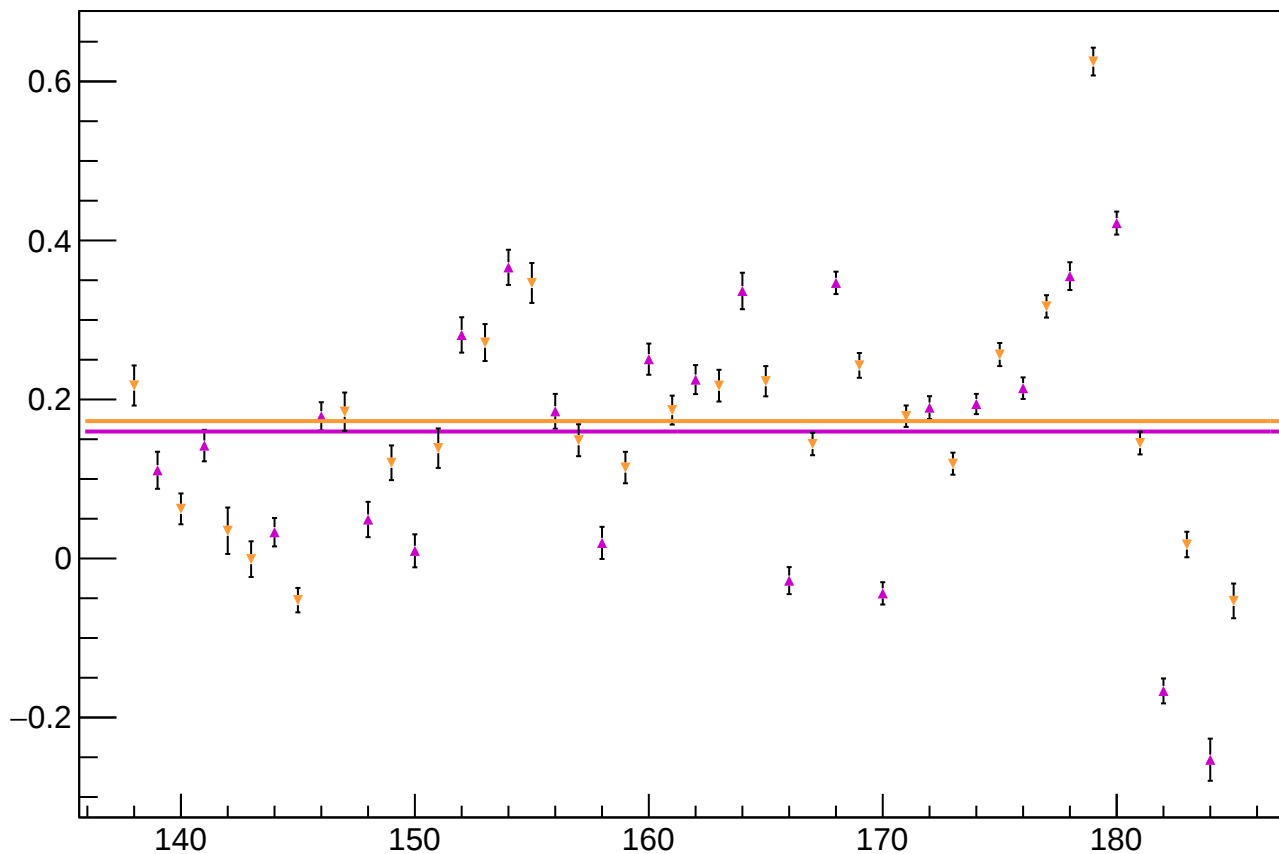
reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -29.183 $\pm$ 0.078 χ^2 /NDF:9069.0/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -28.660 $\pm$ 0.080 χ^2 /NDF:6670.1/22

Left: -28.927 $\pm$ 0.056 χ^2 /NDF: 15761.1/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -28.660 $\pm$ 0.080 χ^2 /NDF:6670.1/22
 Out: -29.183 $\pm$ 0.078 χ^2 /NDF:9069.0/24
 All: -28.927 $\pm$ 0.056 χ^2 /NDF: 15761.1/47

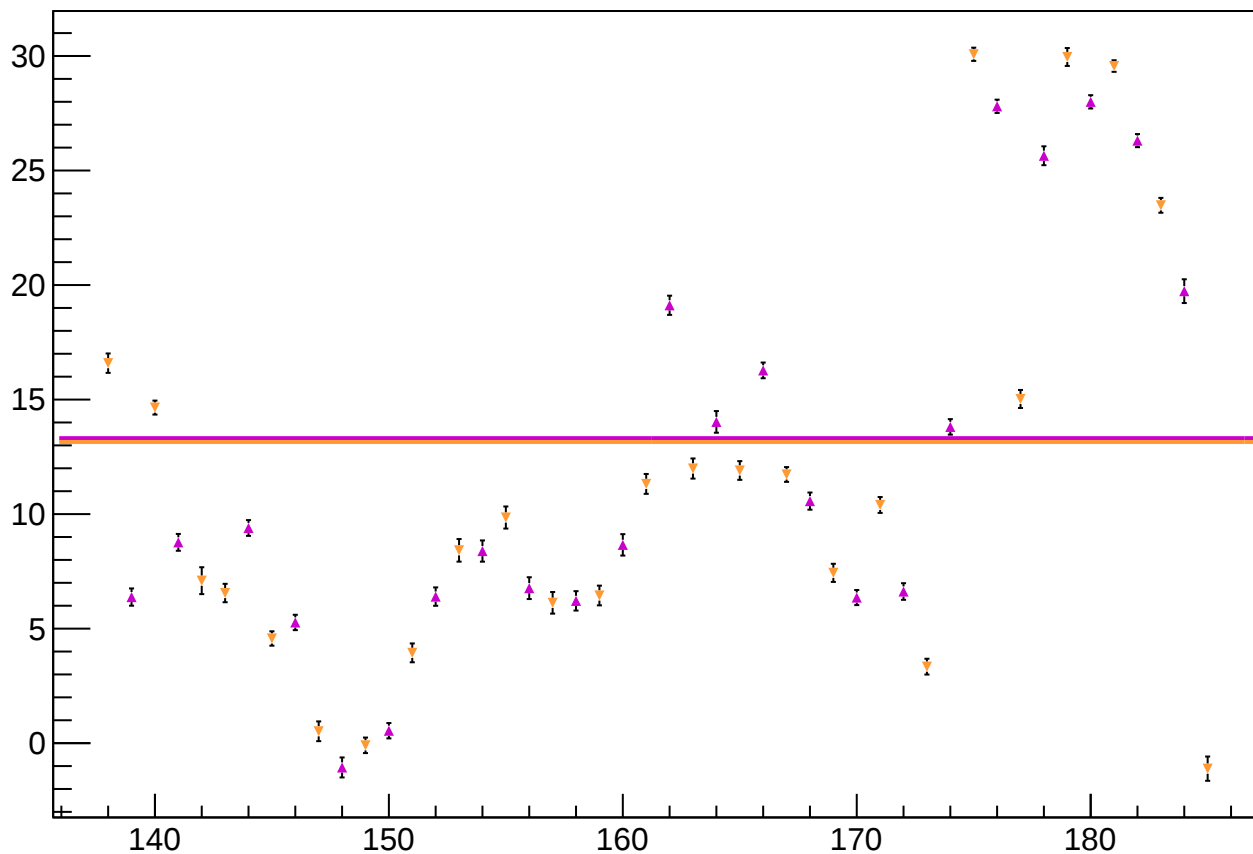
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.173 $\pm$ 0.004 χ^2 /NDF:1479.2/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.160 $\pm$ 0.004 χ^2 /NDF:2057.9/22

Left: 0.166 $\pm$ 0.003 χ^2 /NDF: 3543.7/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.160 $\pm$ 0.004 χ^2 /NDF:2057.9/22
 Out: 0.173 $\pm$ 0.004 χ^2 /NDF:1479.2/24
 All: 0.166 $\pm$ 0.003 χ^2 /NDF: 3543.7/47

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 13.150+/-0.075 χ^2/NDF :17075.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 13.315+/-0.077 χ^2/NDF :13977.7/22

Left: 13.231+/-0.054 χ^2/NDF : 31055.5/47

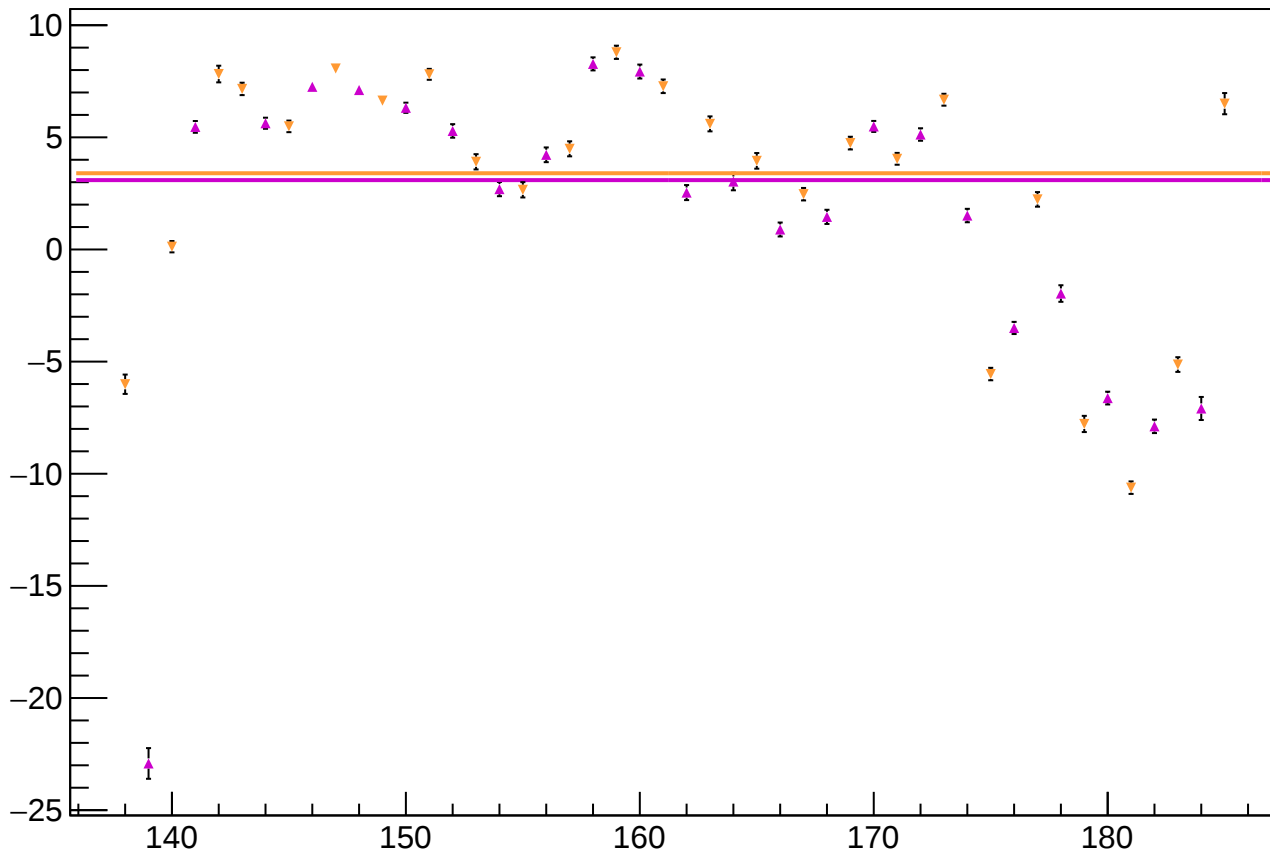
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 13.315+/-0.077 χ^2/NDF :13977.7/22

Out: 13.150+/-0.075 χ^2/NDF :17075.5/24

All: 13.231+/-0.054 χ^2/NDF : 31055.5/47

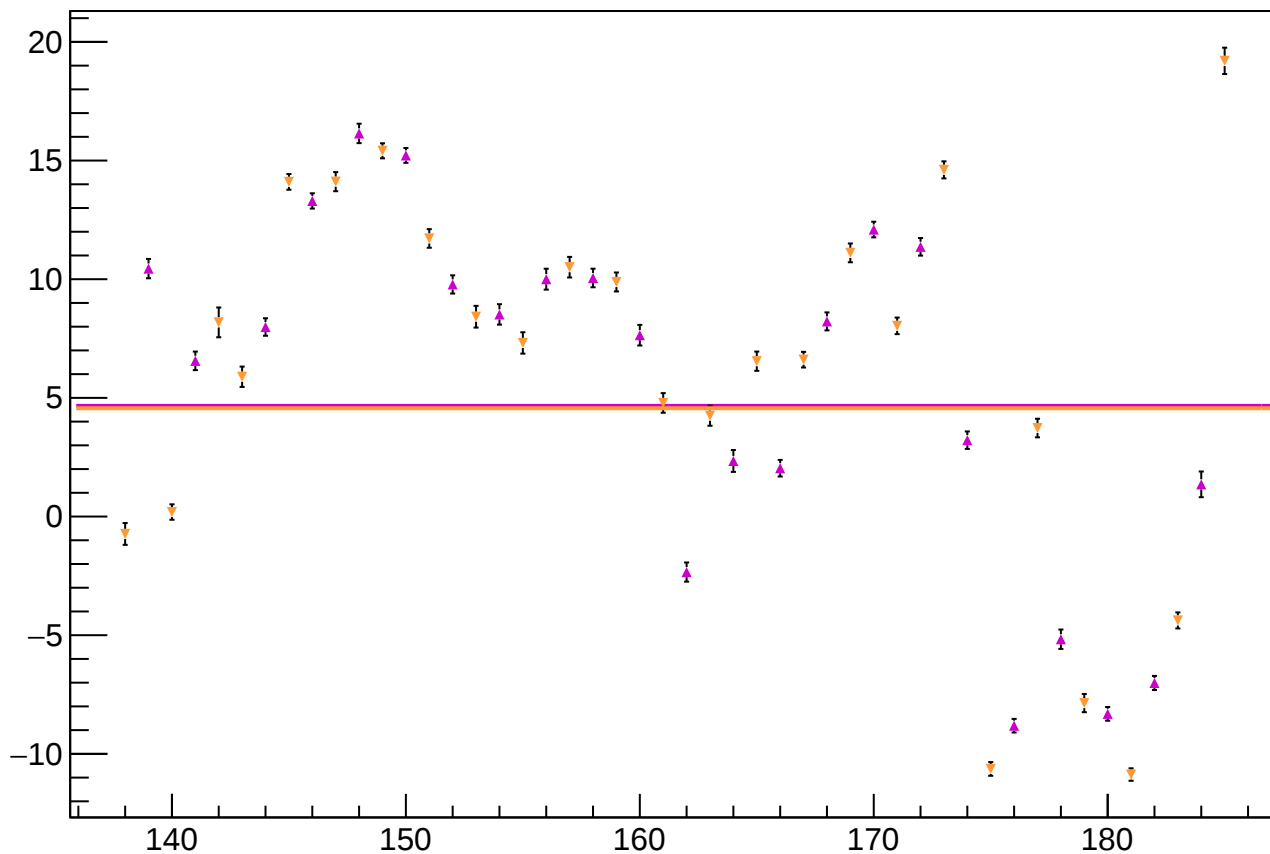
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.399 $\pm$ 0.058 χ^2 /NDF:8085.4/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.092 $\pm$ 0.061 χ^2 /NDF:7104.4/22

Left: 3.251 $\pm$ 0.042 χ^2 /NDF: 15203.1/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 3.092 $\pm$ 0.061 χ^2 /NDF:7104.4/22
 Out: 3.399 $\pm$ 0.058 χ^2 /NDF:8085.4/24
 All: 3.251 $\pm$ 0.042 χ^2 /NDF: 15203.1/47

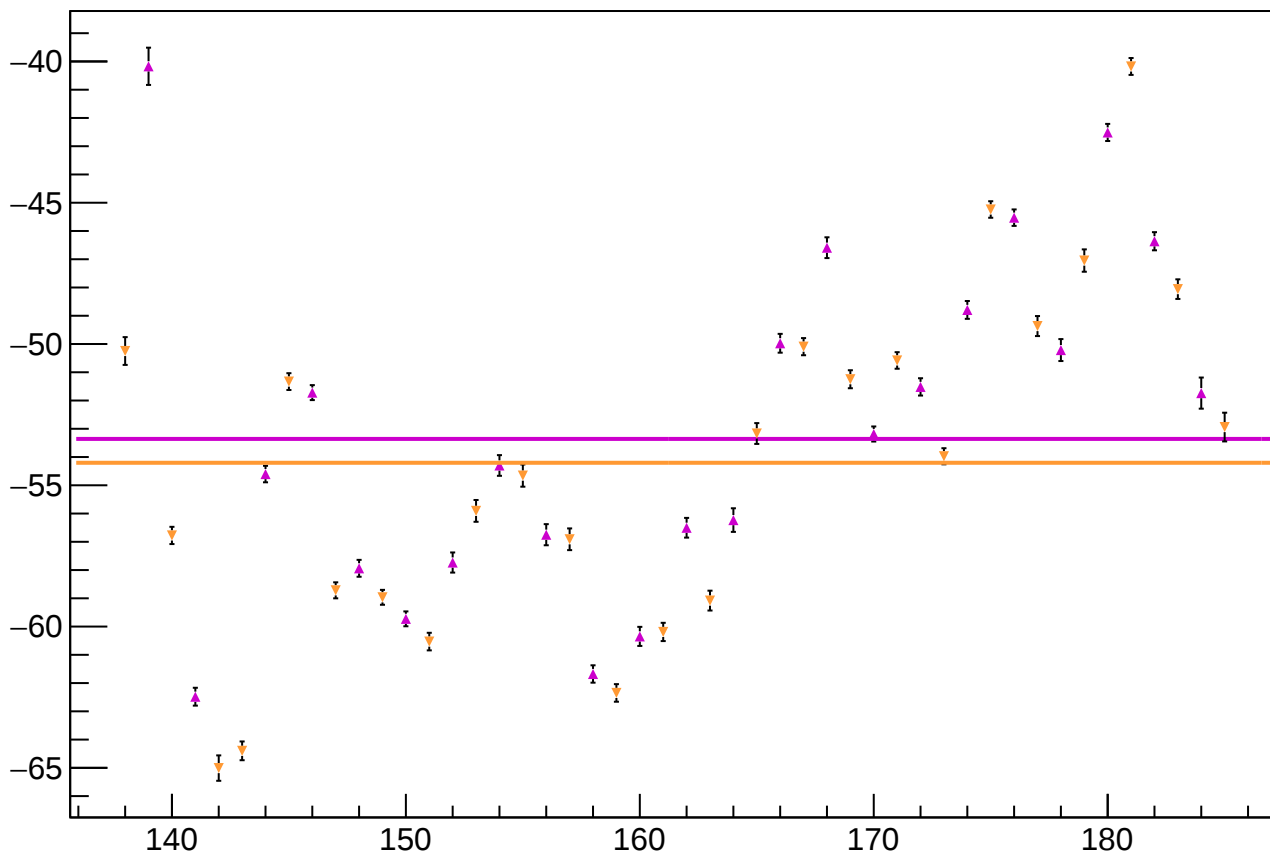
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.563+/-0.075 χ^2/NDF :13590.2/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.662+/-0.077 χ^2/NDF :11281.5/22

Left: 4.611+/-0.054 χ^2/NDF : 24872.5/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.662+/-0.077 χ^2/NDF :11281.5/22
 Out: 4.563+/-0.075 χ^2/NDF :13590.2/24
 All: 4.611+/-0.054 χ^2/NDF : 24872.5/47

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -54.203+/-0.066 χ^2/NDF :8444.0/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -53.359+/-0.068 χ^2/NDF :6882.0/22

Left: -53.794+/-0.048 χ^2/NDF : 15404.3/47

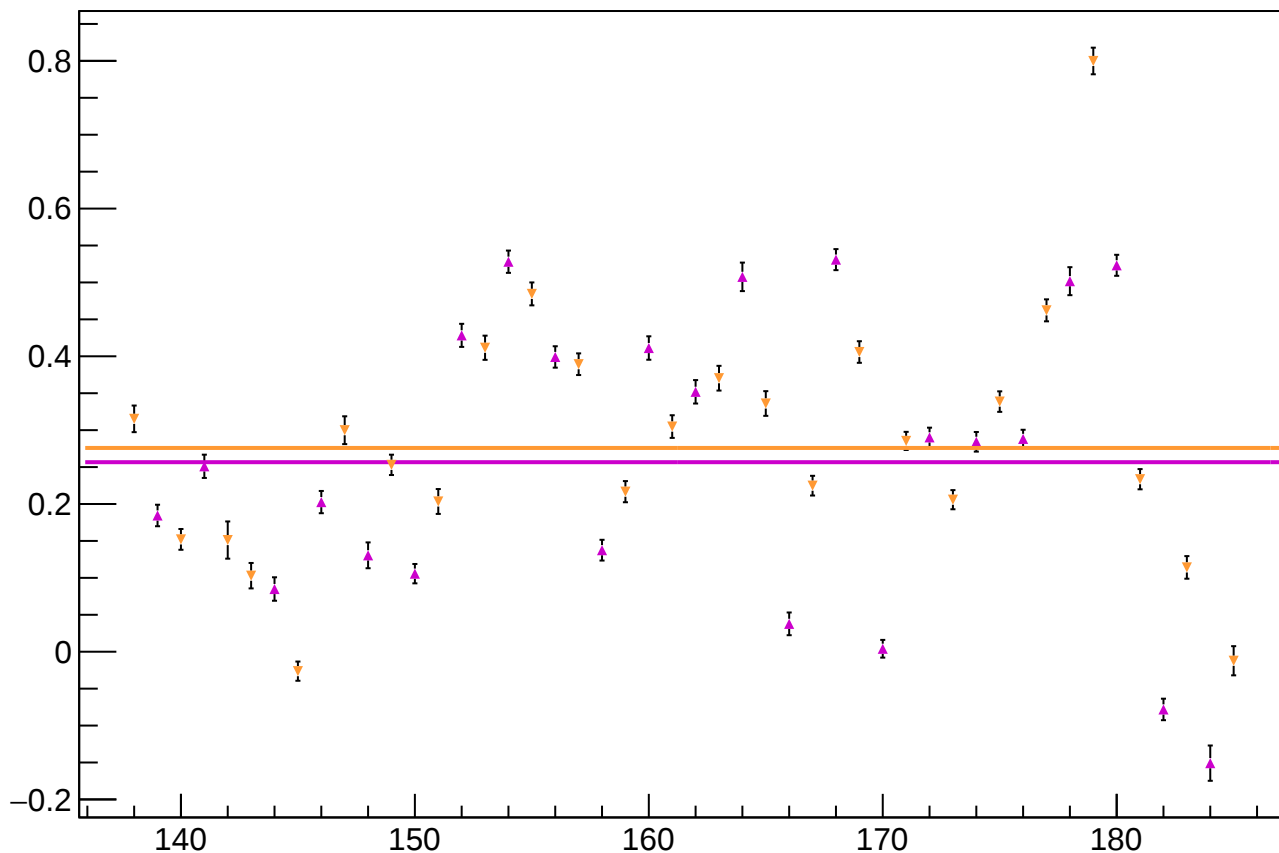
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -53.359+/-0.068 χ^2/NDF :6882.0/22

Out: -54.203+/-0.066 χ^2/NDF :8444.0/24

All: -53.794+/-0.048 χ^2/NDF : 15404.3/47

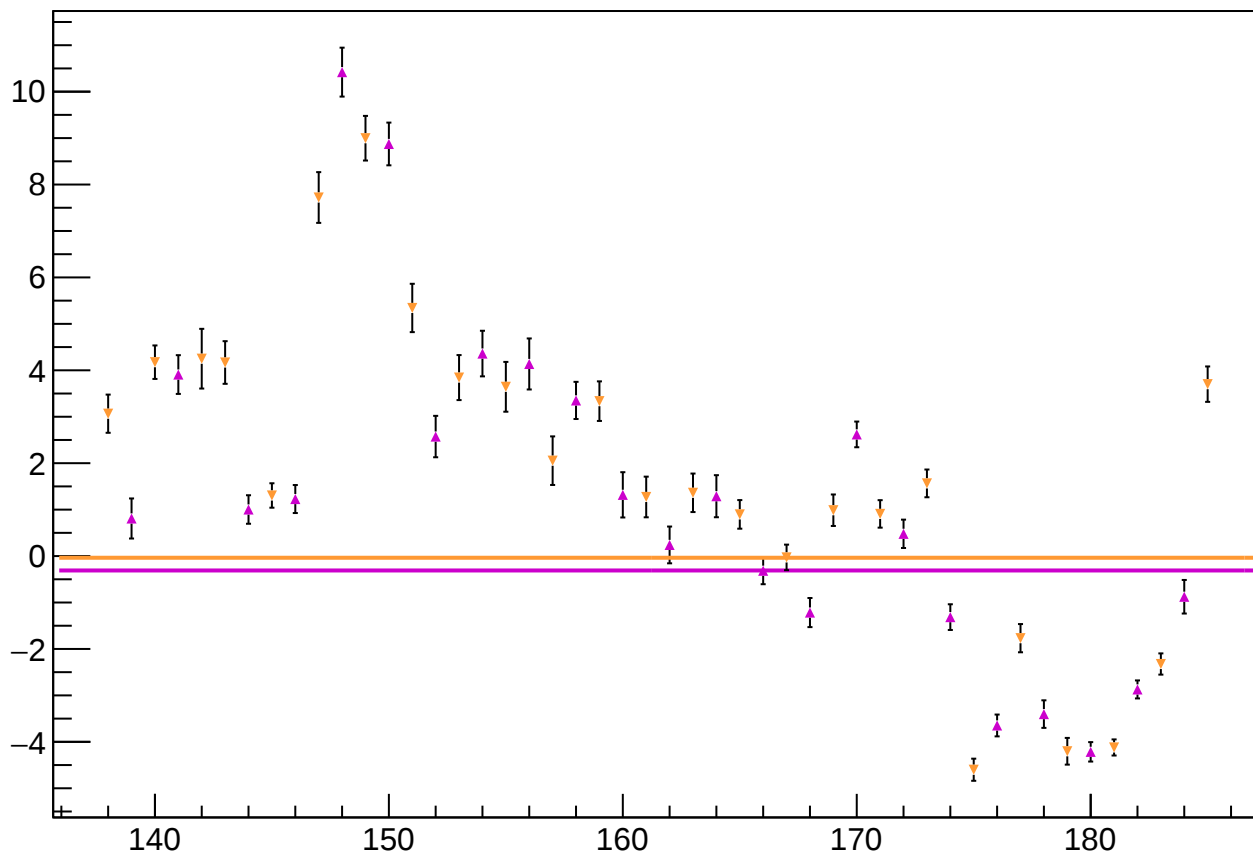
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.276 $\pm$ 0.003 χ^2 /NDF:2623.9/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.257 $\pm$ 0.003 χ^2 /NDF:3623.9/22

Left: 0.266 $\pm$ 0.002 χ^2 /NDF: 6267.4/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.257 $\pm$ 0.003 χ^2 /NDF:3623.9/22
 Out: 0.276 $\pm$ 0.003 χ^2 /NDF:2623.9/24
 All: 0.266 $\pm$ 0.002 χ^2 /NDF: 6267.4/47

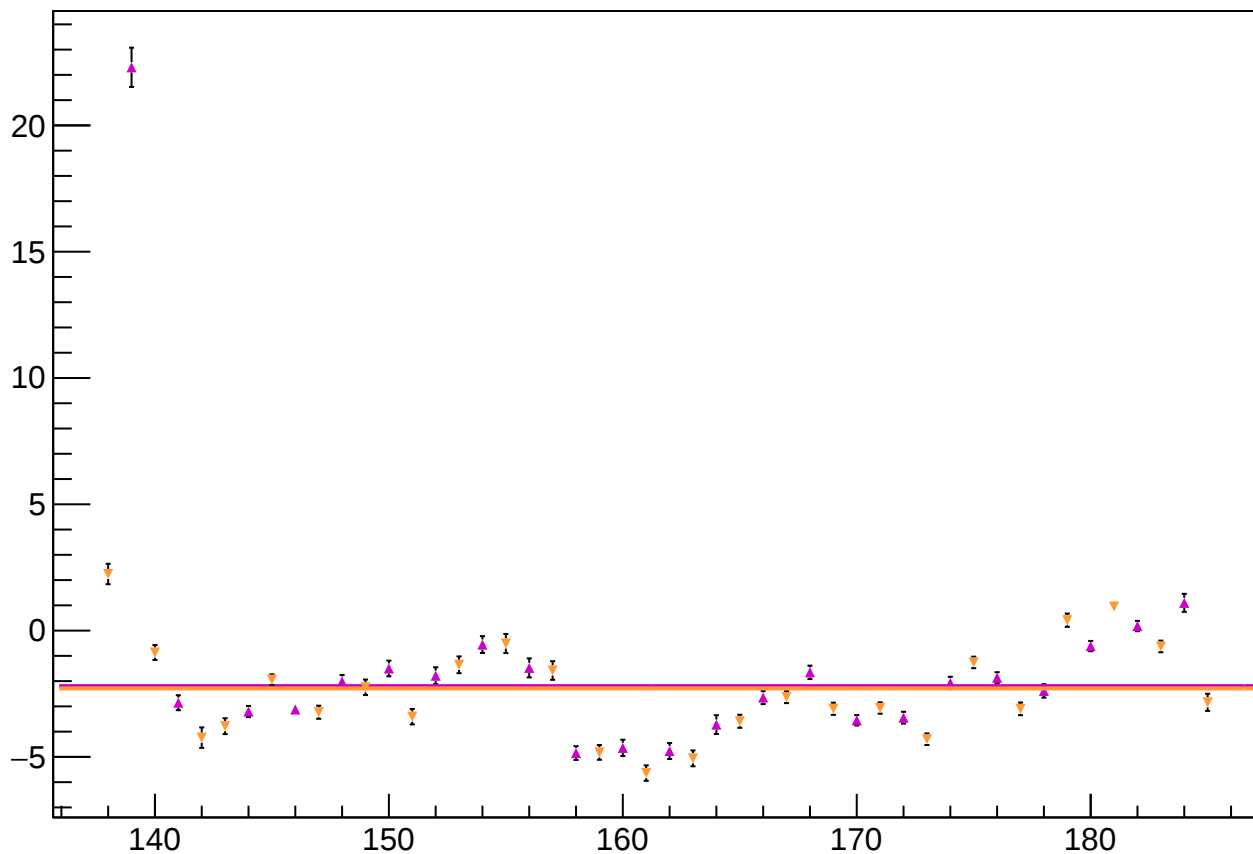
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.036 $\pm$ 0.066 χ^2 /NDF:2637.4/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.310 $\pm$ 0.067 χ^2 /NDF:2250.5/22

Left: -0.171 $\pm$ 0.047 χ^2 /NDF: 4896.3/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.310 $\pm$ 0.067 χ^2 /NDF:2250.5/22
 Out: -0.036 $\pm$ 0.066 χ^2 /NDF:2637.4/24
 All: -0.171 $\pm$ 0.047 χ^2 /NDF: 4896.3/47

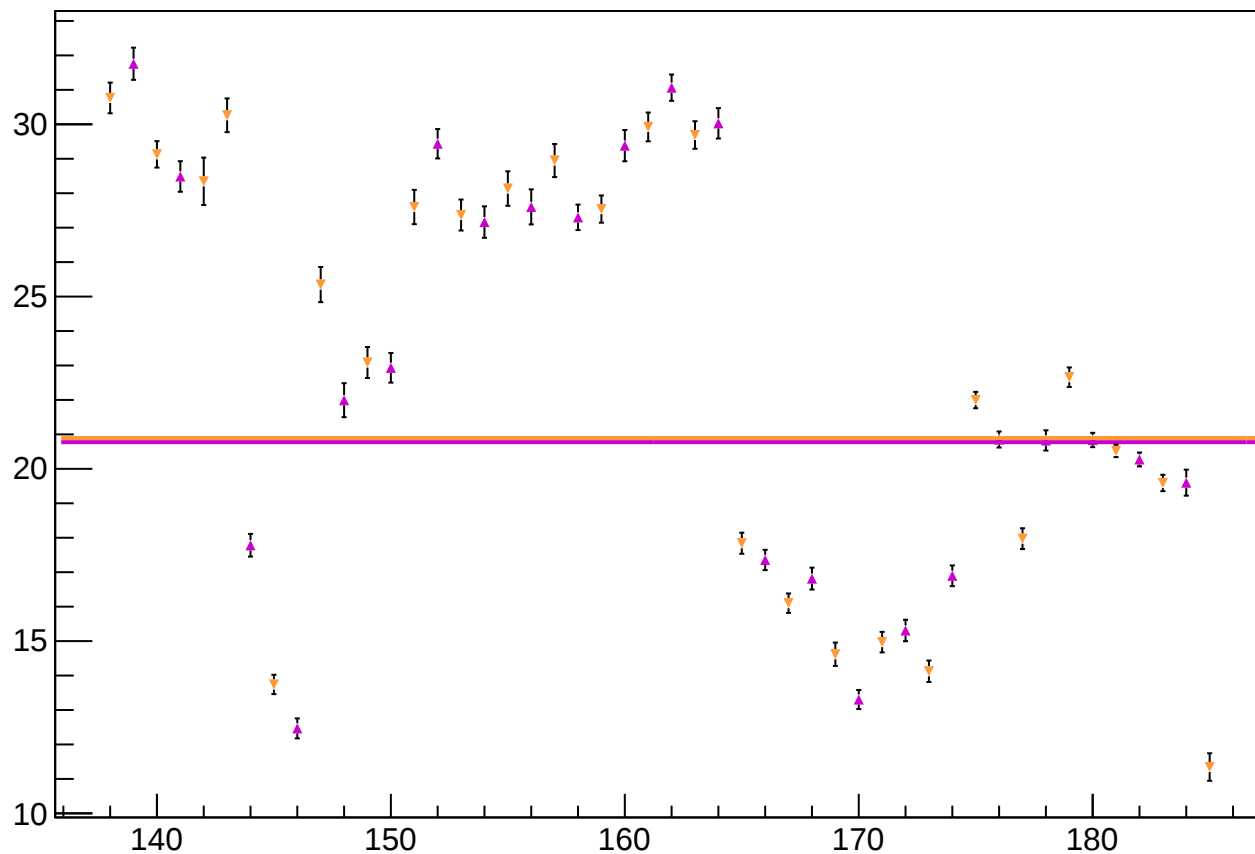
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -2.290 $\pm$ 0.054 χ^2 /NDF:1135.8/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.198 $\pm$ 0.055 χ^2 /NDF:1673.9/22

Left: -2.245 $\pm$ 0.039 χ^2 /NDF: 2811.1/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -2.198 $\pm$ 0.055 χ^2 /NDF:1673.9/22
 Out: -2.290 $\pm$ 0.054 χ^2 /NDF:1135.8/24
 All: -2.245 $\pm$ 0.039 χ^2 /NDF: 2811.1/47

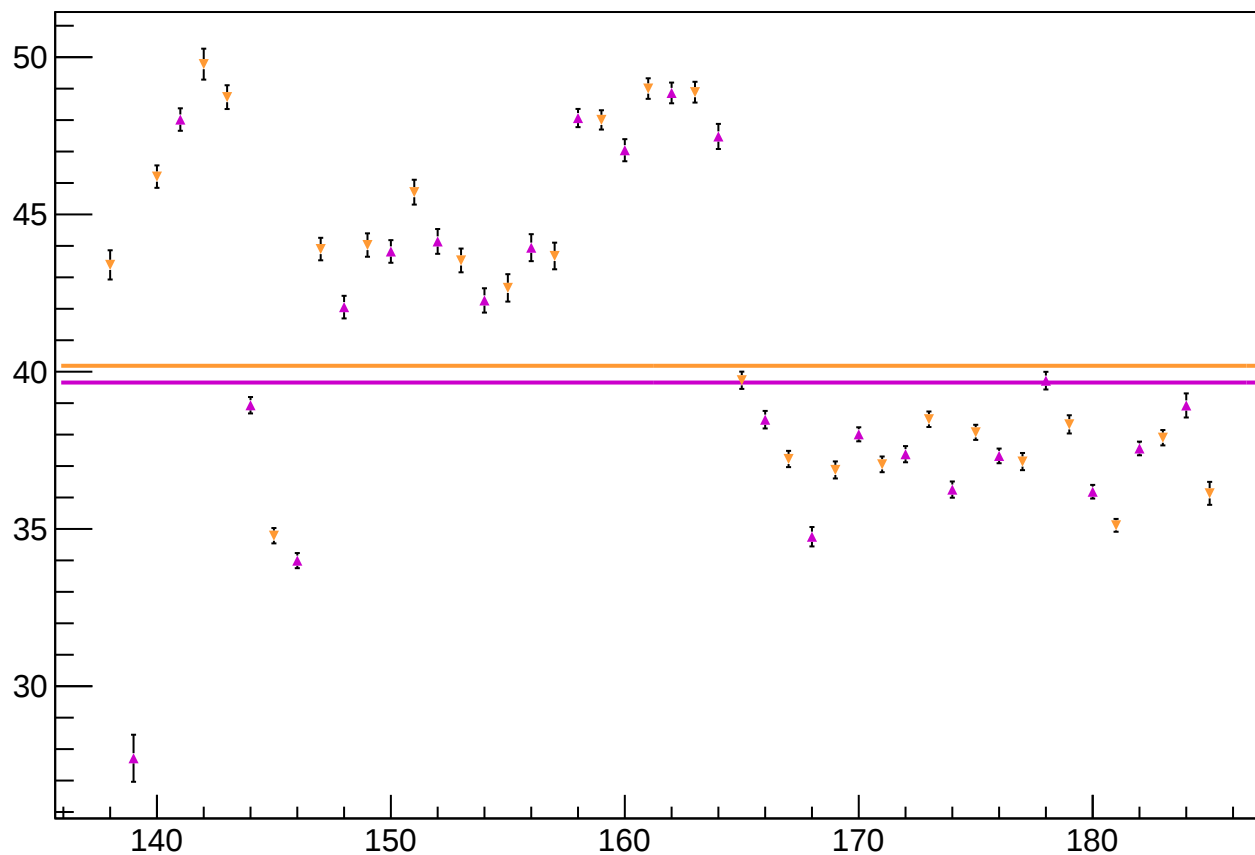
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 20.894+/-0.067 χ^2/NDF :6655.4/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 20.774+/-0.068 χ^2/NDF :5927.9/22

Left: 20.835+/-0.047 χ^2/NDF : 12584.9/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 20.774+/-0.068 χ^2/NDF :5927.9/22
 Out: 20.894+/-0.067 χ^2/NDF :6655.4/24
 All: 20.835+/-0.047 χ^2/NDF : 12584.9/47

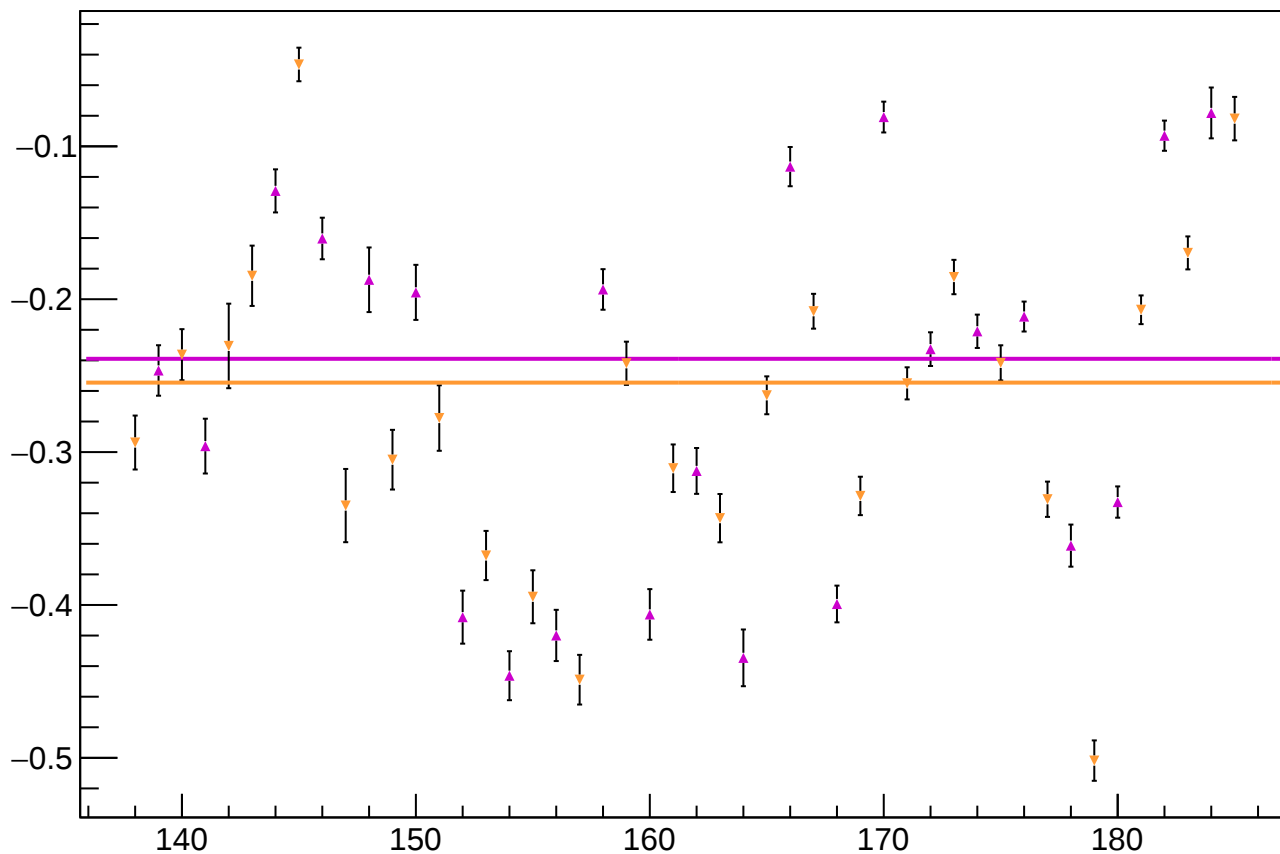
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 40.188 $\pm$ 0.060 χ^2 /NDF:5930.5/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 39.655 $\pm$ 0.061 χ^2 /NDF:5298.6/22

Left: 39.926 $\pm$ 0.043 χ^2 /NDF: 11267.3/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 39.655 $\pm$ 0.061 χ^2 /NDF:5298.6/22
 Out: 40.188 $\pm$ 0.060 χ^2 /NDF:5930.5/24
 All: 39.926 $\pm$ 0.043 χ^2 /NDF: 11267.3/47

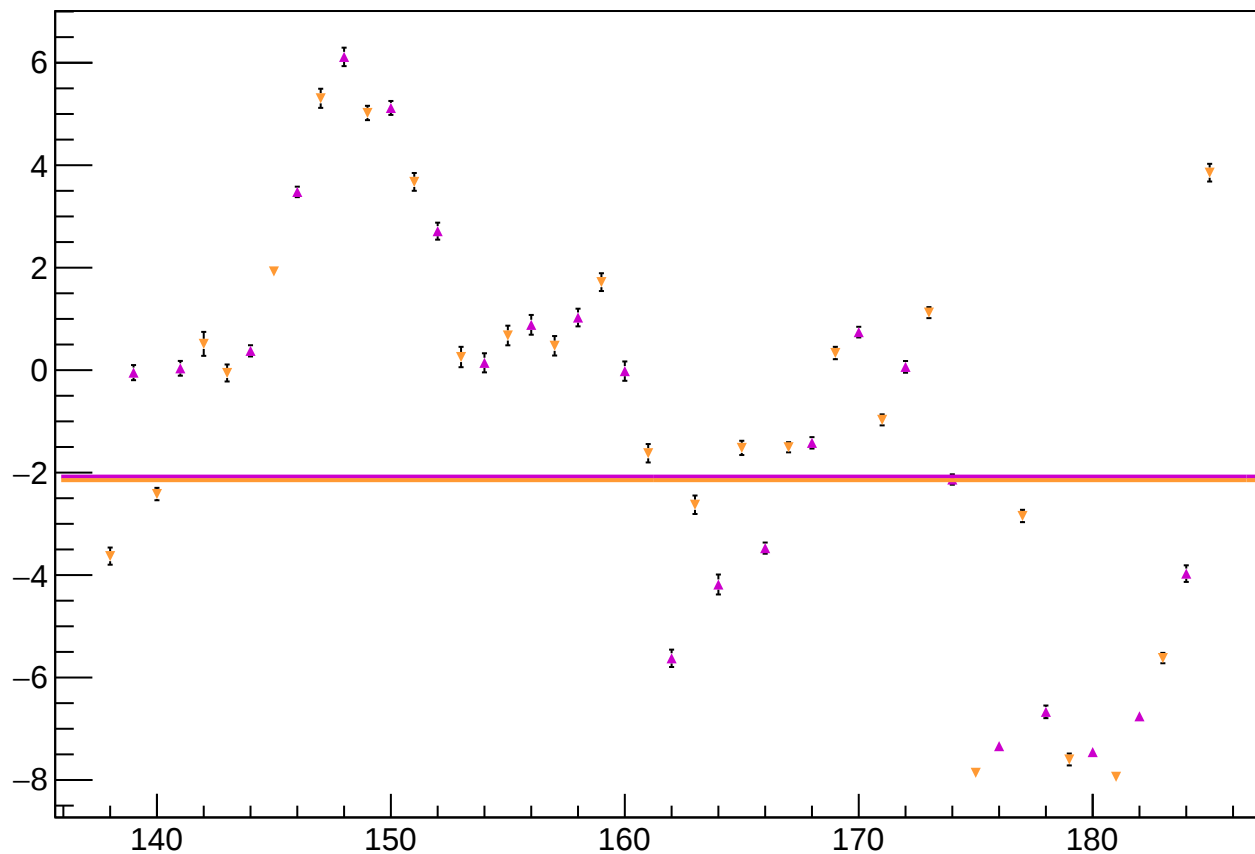
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.255 $\pm$ 0.003 χ^2 /NDF:1420.6/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.239 $\pm$ 0.003 χ^2 /NDF:1750.5/22

Left: -0.247 $\pm$ 0.002 χ^2 /NDF: 3187.0/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.239 $\pm$ 0.003 χ^2 /NDF:1750.5/22
 Out: -0.255 $\pm$ 0.003 χ^2 /NDF:1420.6/24
 All: -0.247 $\pm$ 0.002 χ^2 /NDF: 3187.0/47

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



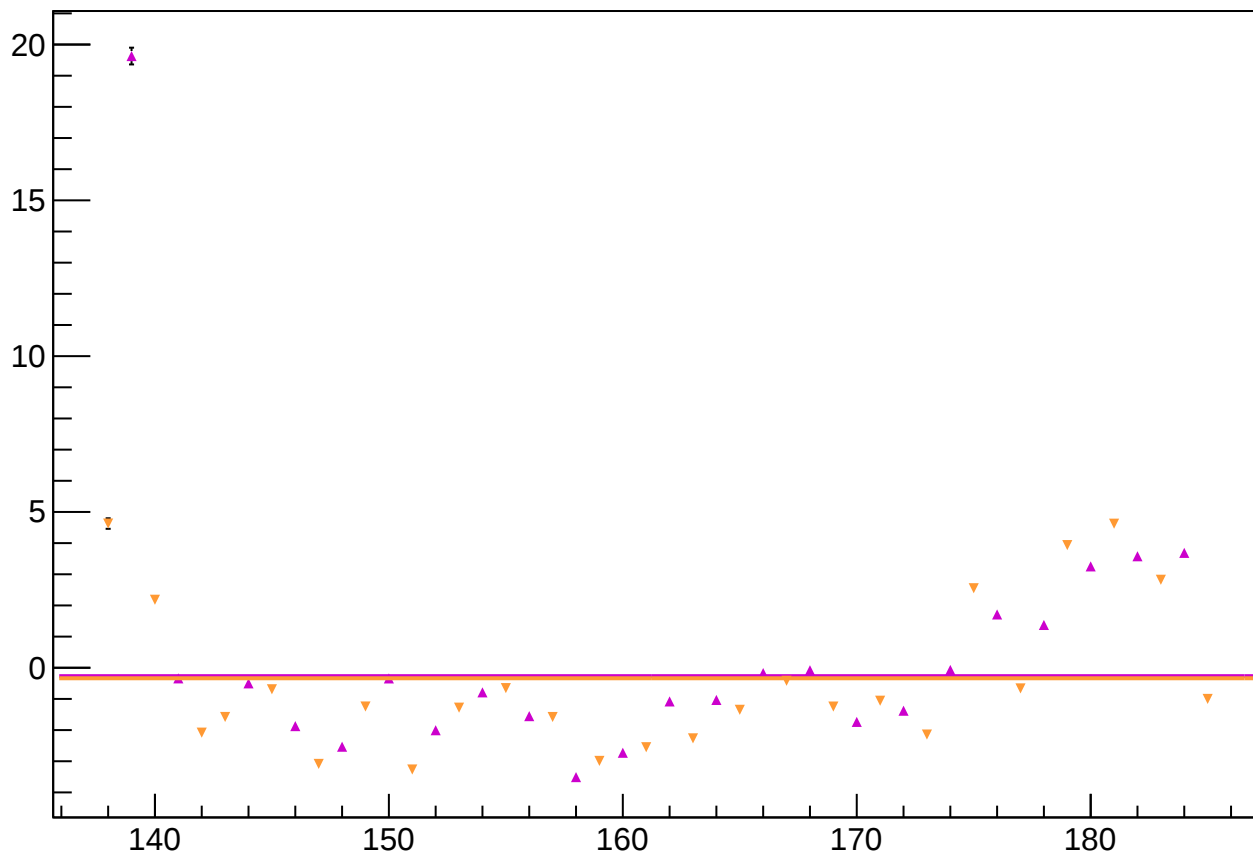
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.148+/-0.026 χ^2/NDF : 24535.1/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.078+/-0.026 χ^2/NDF : 23245.8/22

Left: -2.114+/-0.018 χ^2/NDF : 47784.5/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.078+/-0.026 χ^2/NDF : 23245.8/22
 Out: -2.148+/-0.026 χ^2/NDF : 24535.1/24

All: -2.114+/-0.018 χ^2/NDF : 47784.5/47

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



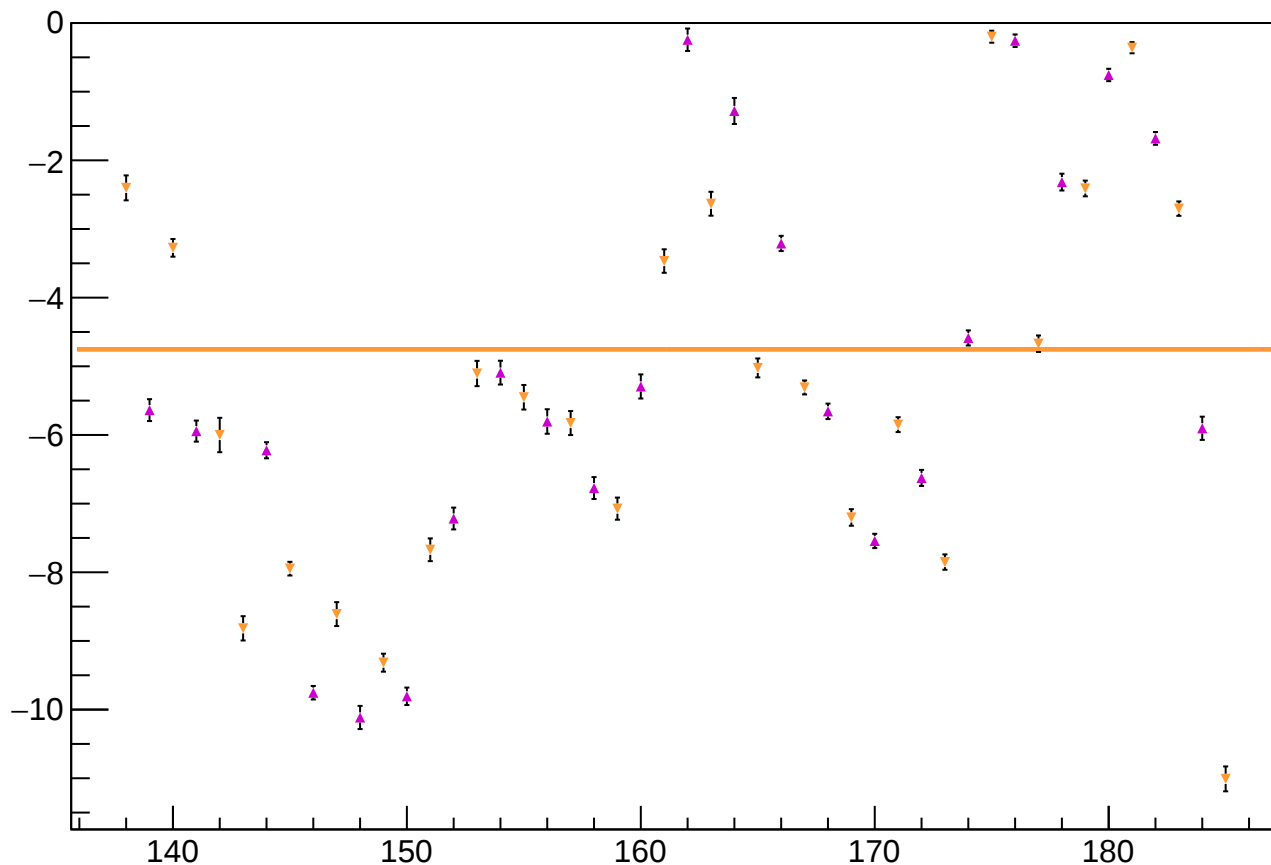
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.337+/-0.021 χ^2/NDF :12569.9/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.269+/-0.021 χ^2/NDF :13323.1/22

Left: -0.304+/-0.015 χ^2/NDF : 25898.3/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.269+/-0.021 χ^2/NDF :13323.1/22
 Out: -0.337+/-0.021 χ^2/NDF :12569.9/24

All: -0.304+/-0.015 χ^2/NDF : 25898.3/47

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



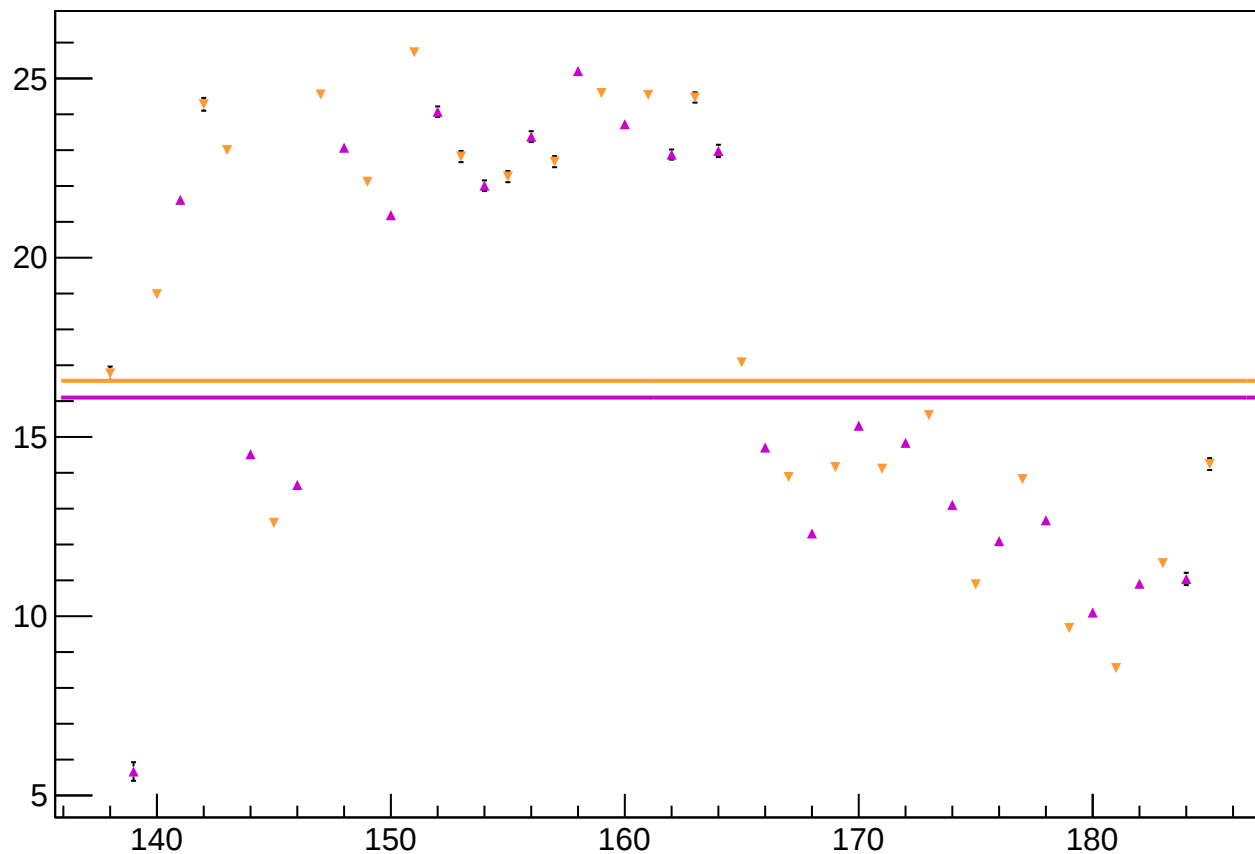
Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -4.748 $\pm$ 0.026 χ^2 /NDF:13290.9/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -4.753 $\pm$ 0.026 χ^2 /NDF:14119.2/22

Left: -4.751 $\pm$ 0.018 χ^2 /NDF: 27410.1/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -4.753 $\pm$ 0.026 χ^2 /NDF:14119.2/22
 Out: -4.748 $\pm$ 0.026 χ^2 /NDF:13290.9/24

All: -4.751 $\pm$ 0.018 χ^2 /NDF: 27410.1/47

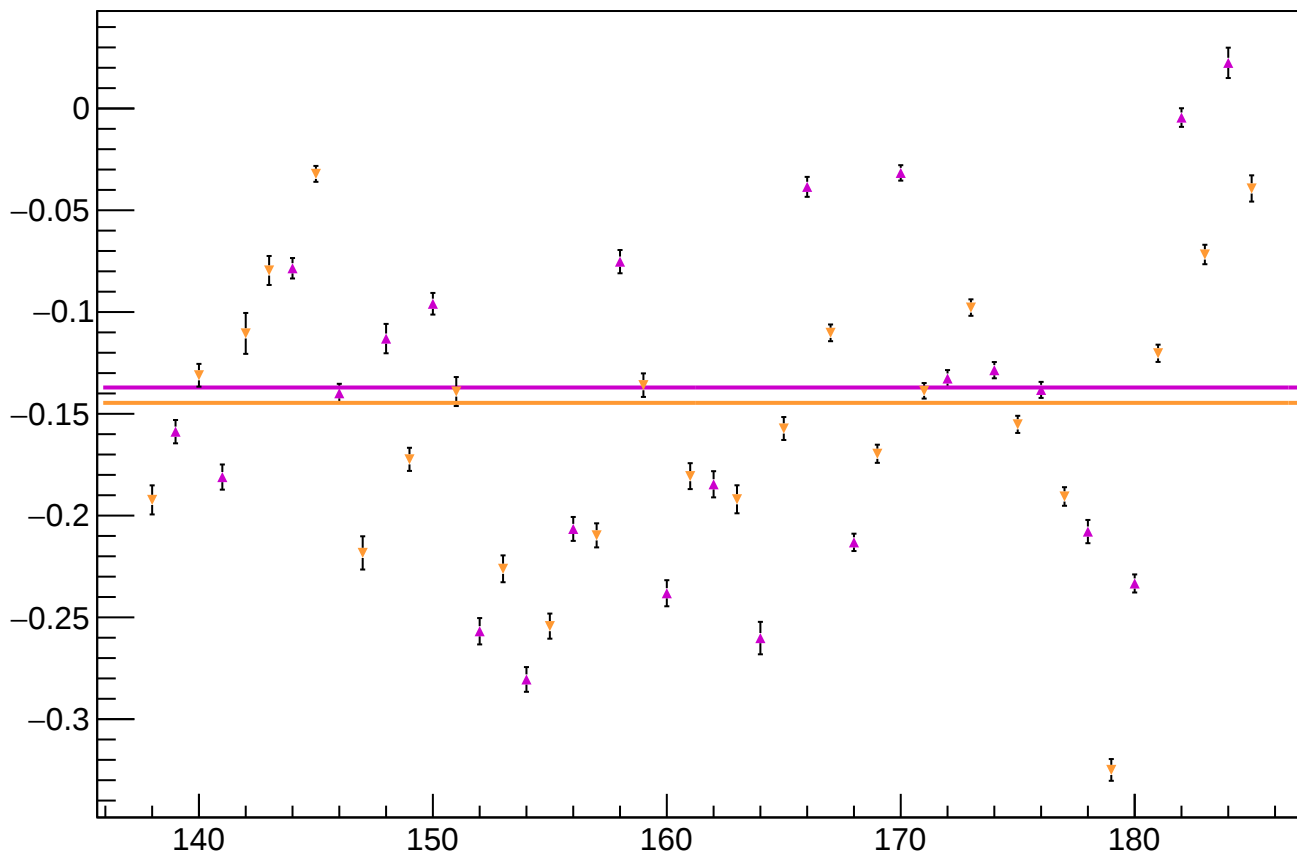
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 16.565+/-0.023 χ^2/NDF :53816.6/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 16.098+/-0.024 χ^2/NDF :42345.7/22

Left: 16.336+/-0.017 χ^2/NDF : 96362.2/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 16.098+/-0.024 χ^2/NDF :42345.7/22
 Out: 16.565+/-0.023 χ^2/NDF :53816.6/24
 All: 16.336+/-0.017 χ^2/NDF : 96362.2/47

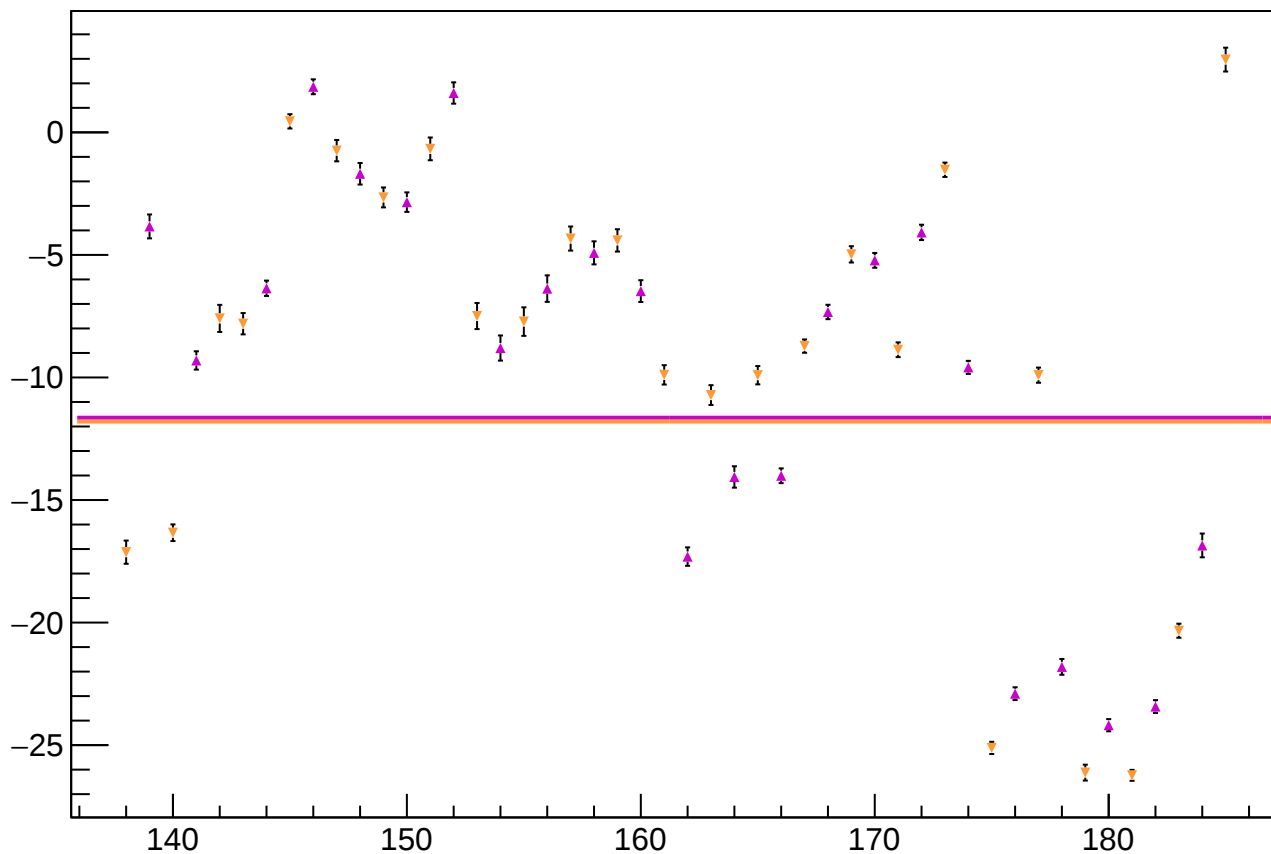
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.145 $\pm$ 0.001 χ^2 /NDF:3773.7/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.137 $\pm$ 0.001 χ^2 /NDF:5392.6/22

Left: -0.141 $\pm$ 0.001 χ^2 /NDF: 9191.5/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.137 $\pm$ 0.001 χ^2 /NDF:5392.6/22
 Out: -0.145 $\pm$ 0.001 χ^2 /NDF:3773.7/24
 All: -0.141 $\pm$ 0.001 χ^2 /NDF: 9191.5/47

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -11.799 $\pm$ 0.070 χ^2 /NDF:17305.2/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -11.642 $\pm$ 0.072 χ^2 /NDF:14121.2/22

Left: -11.722 $\pm$ 0.050 χ^2 /NDF: 31428.9/47

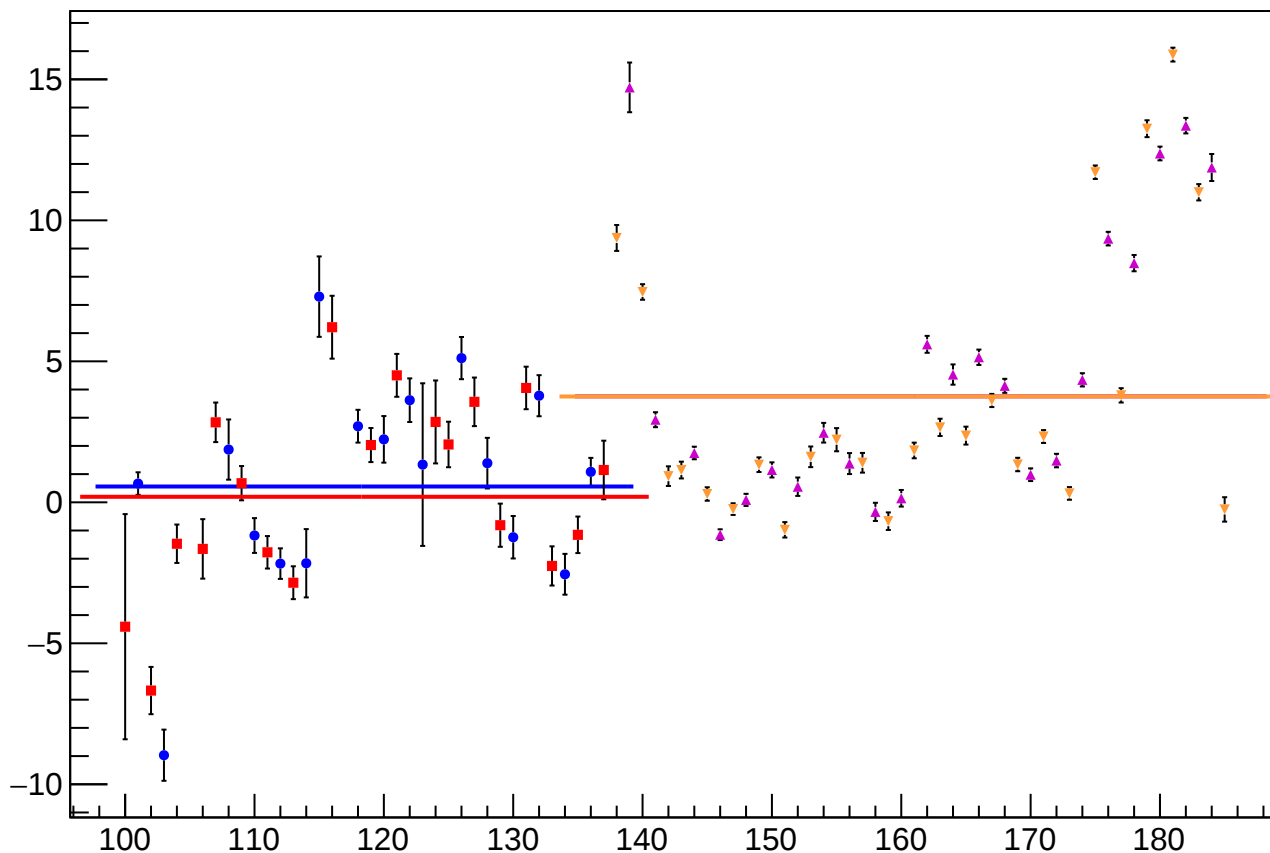
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -11.642 $\pm$ 0.072 χ^2 /NDF:14121.2/22

Out: -11.799 $\pm$ 0.070 χ^2 /NDF:17305.2/24

All: -11.722 $\pm$ 0.050 χ^2 /NDF: 31428.9/47

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.561 $\pm$ 0.170 χ^2 /NDF: 288.7/16

Left Out: 3.753 $\pm$ 0.056 χ^2 /NDF:7436.6/24

Right Out: 0.196 $\pm$ 0.175 χ^2 /NDF: 271.2/18

Left In: 3.757 $\pm$ 0.057 χ^2 /NDF:5629.4/22

Left: 3.755 $\pm$ 0.040 χ^2 /NDF: 13065.9/47

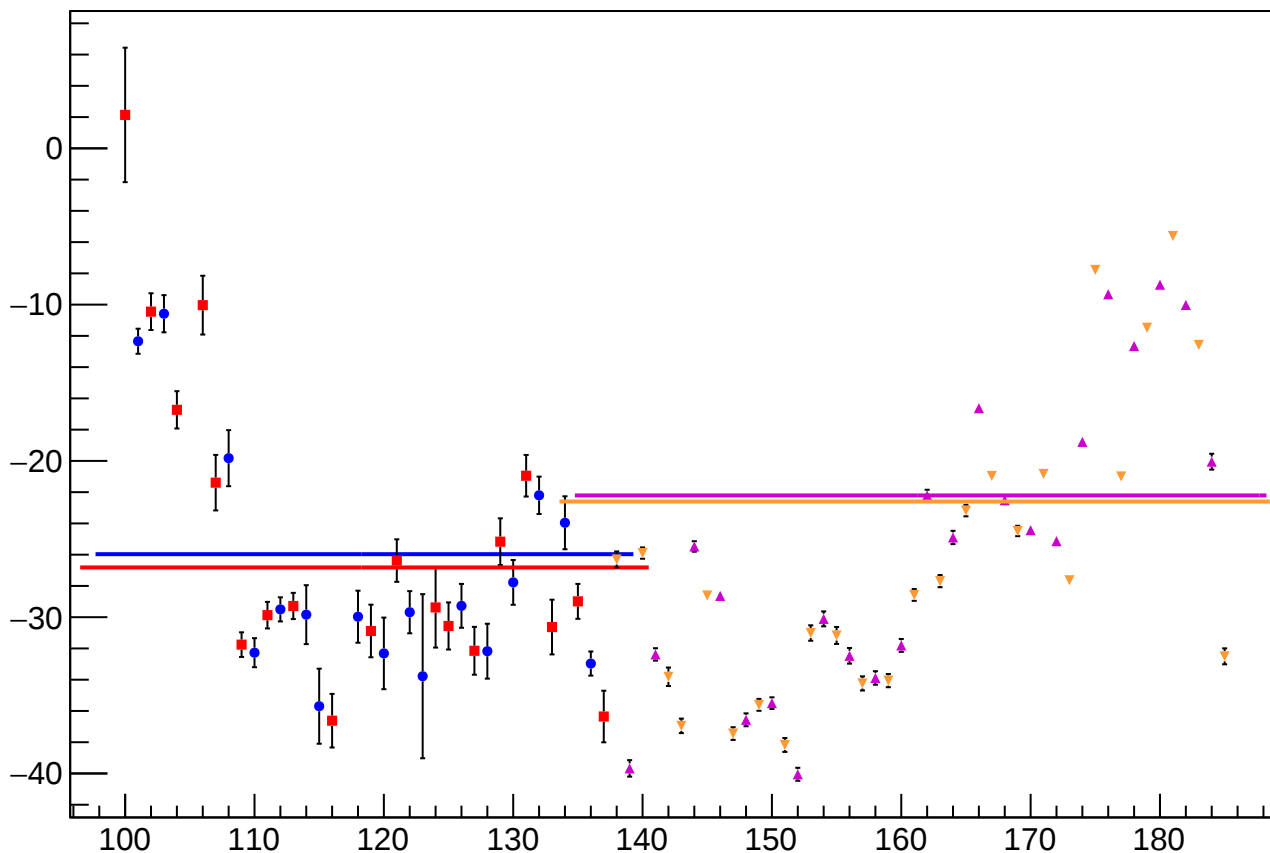
Right: 0.383 $\pm$ 0.122 χ^2 /NDF: 562.1/35

In: 3.439 $\pm$ 0.054 χ^2 /NDF:6234.8/39

Out: 3.428 $\pm$ 0.053 χ^2 /NDF:8083.7/43

All: 3.433 $\pm$ 0.038 χ^2 /NDF: 14318.5/83

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.968 ± 0.301 χ^2/NDF : 691.1/16

Left Out: -22.599 ± 0.071 χ^2/NDF : 19932.9/24

Right Out: -26.818 ± 0.298 χ^2/NDF : 580.9/18

Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

Left: -22.407 ± 0.050 χ^2/NDF : 37575.3/47

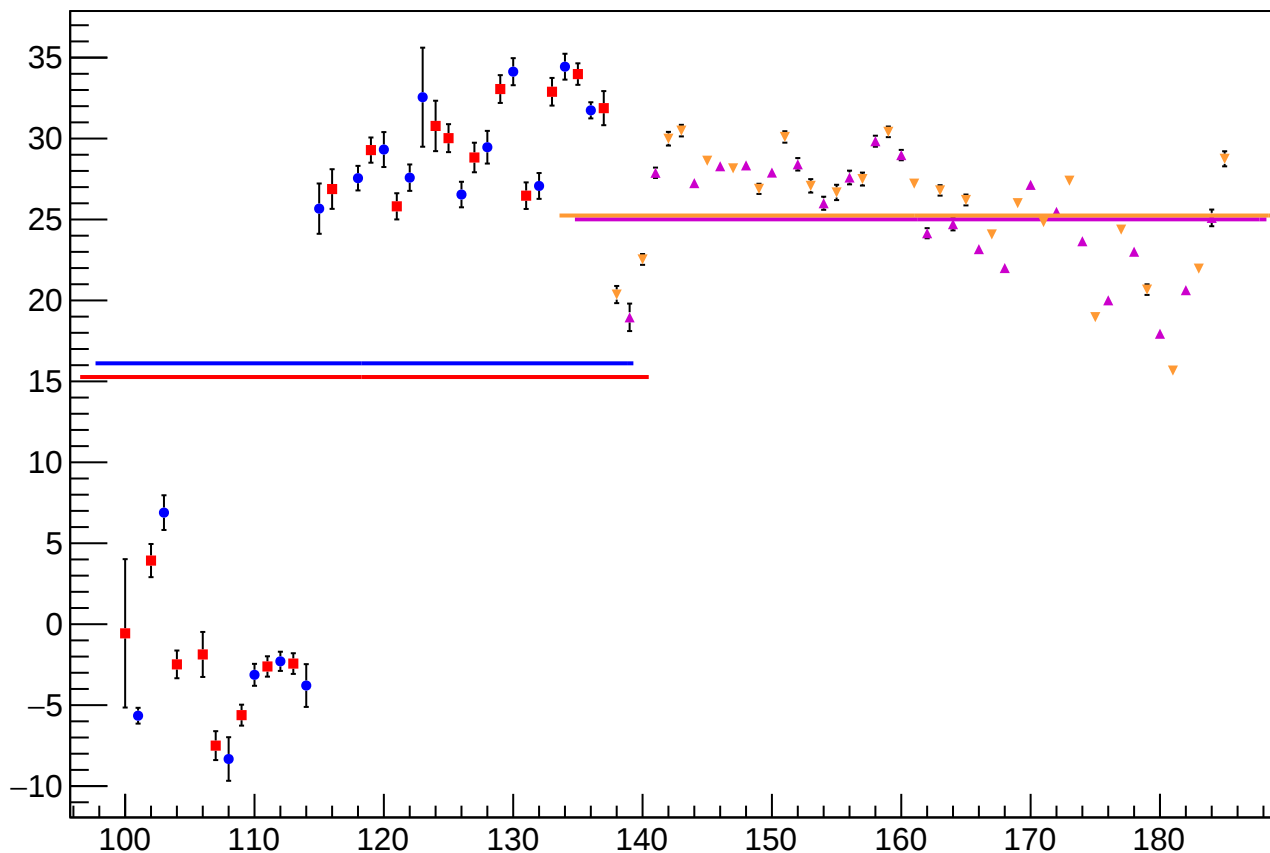
Right: -26.397 ± 0.212 χ^2/NDF : 1276.0/35

In: -22.410 ± 0.070 χ^2/NDF : 18466.1/39

Out: -22.824 ± 0.069 χ^2/NDF : 20703.5/43

All: -22.620 ± 0.049 χ^2/NDF : 39187.4/83

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.115 $\pm$ 0.192 χ^2 /NDF: 7542.1/16

Left Out: 25.245 $\pm$ 0.063 χ^2 /NDF:3780.4/24

Right Out: 15.269 $\pm$ 0.197 χ^2 /NDF: 7261.7/18

Left In: 25.009 $\pm$ 0.064 χ^2 /NDF:2722.0/22

Left: 25.130 $\pm$ 0.045 χ^2 /NDF: 6509.3/47

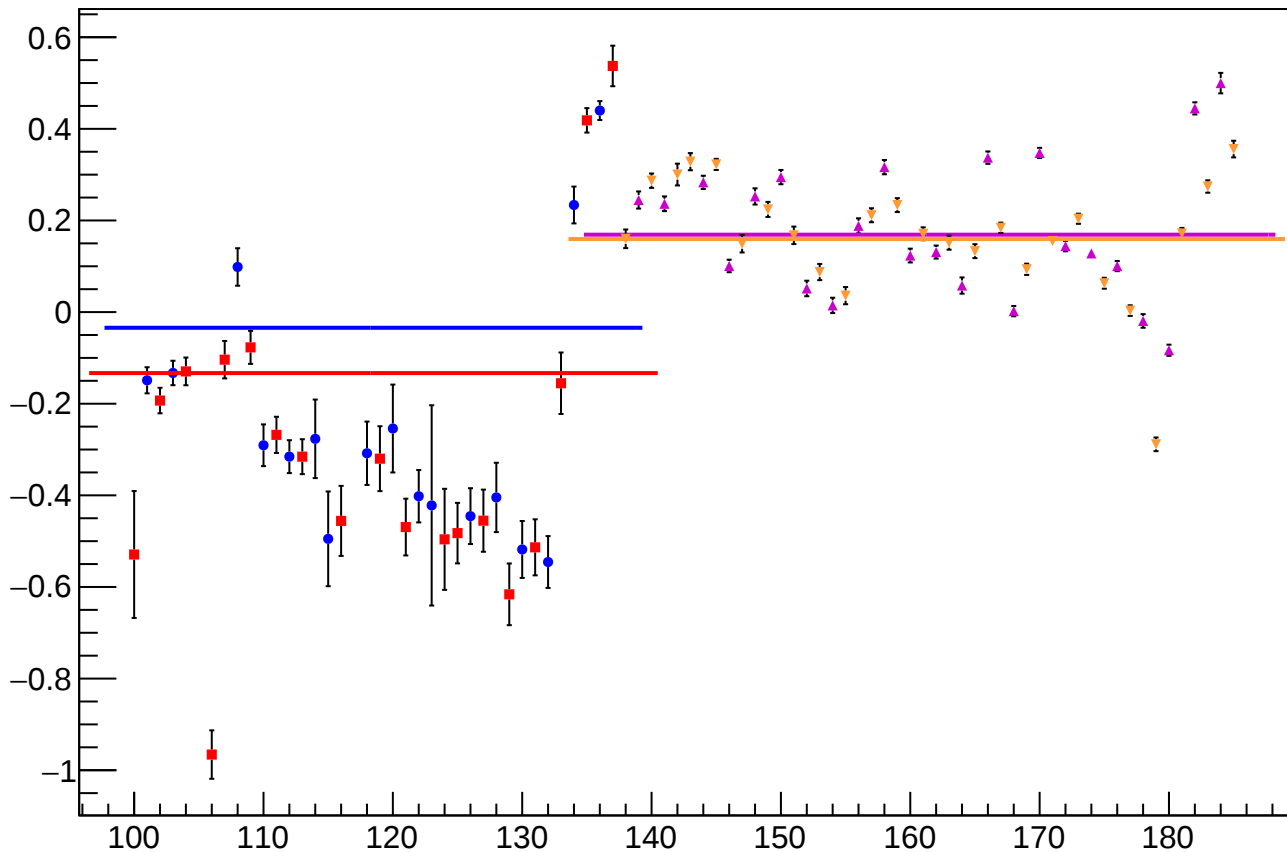
Right: 15.703 $\pm$ 0.138 χ^2 /NDF: 14813.2/35

In: 24.127 $\pm$ 0.061 χ^2 /NDF:12189.0/39

Out: 24.333 $\pm$ 0.060 χ^2 /NDF:13363.7/43

All: 24.231 $\pm$ 0.043 χ^2 /NDF: 25558.6/83

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.034 ± 0.010 χ^2/NDF : 1011.4/16

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.9/24

Right Out: -0.133 ± 0.010 χ^2/NDF : 1160.4/18

Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

Left: 0.164 ± 0.002 χ^2/NDF : 4289.1/47

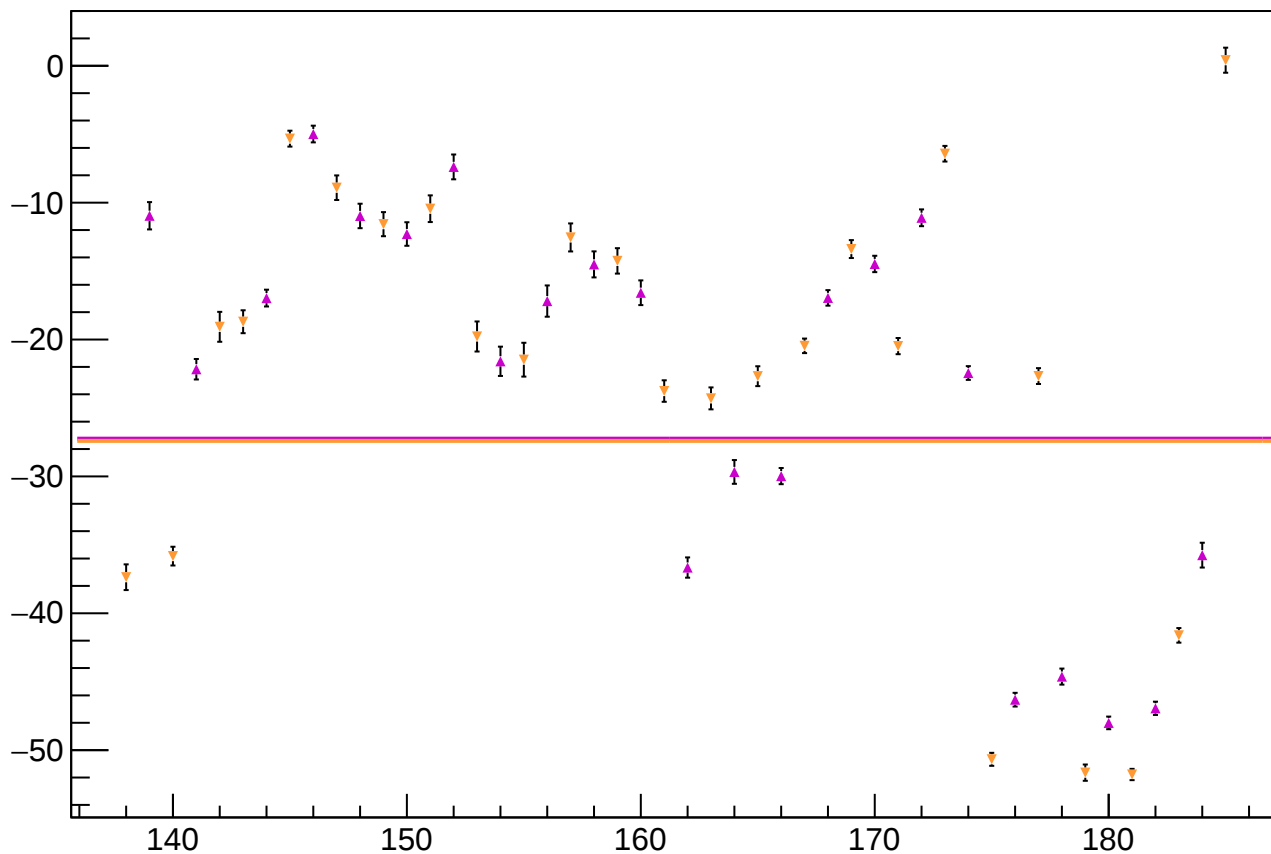
Right: -0.083 ± 0.007 χ^2/NDF : 2217.4/35

In: 0.154 ± 0.003 χ^2/NDF : 3787.7/39

Out: 0.139 ± 0.003 χ^2/NDF : 3762.6/43

All: 0.146 ± 0.002 χ^2/NDF : 7565.4/83

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -27.404 $\pm$ 0.137 χ^2 /NDF:14848.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -27.243 $\pm$ 0.139 χ^2 /NDF:11305.2/22

Left: -27.325 $\pm$ 0.098 χ^2 /NDF: 26154.2/47

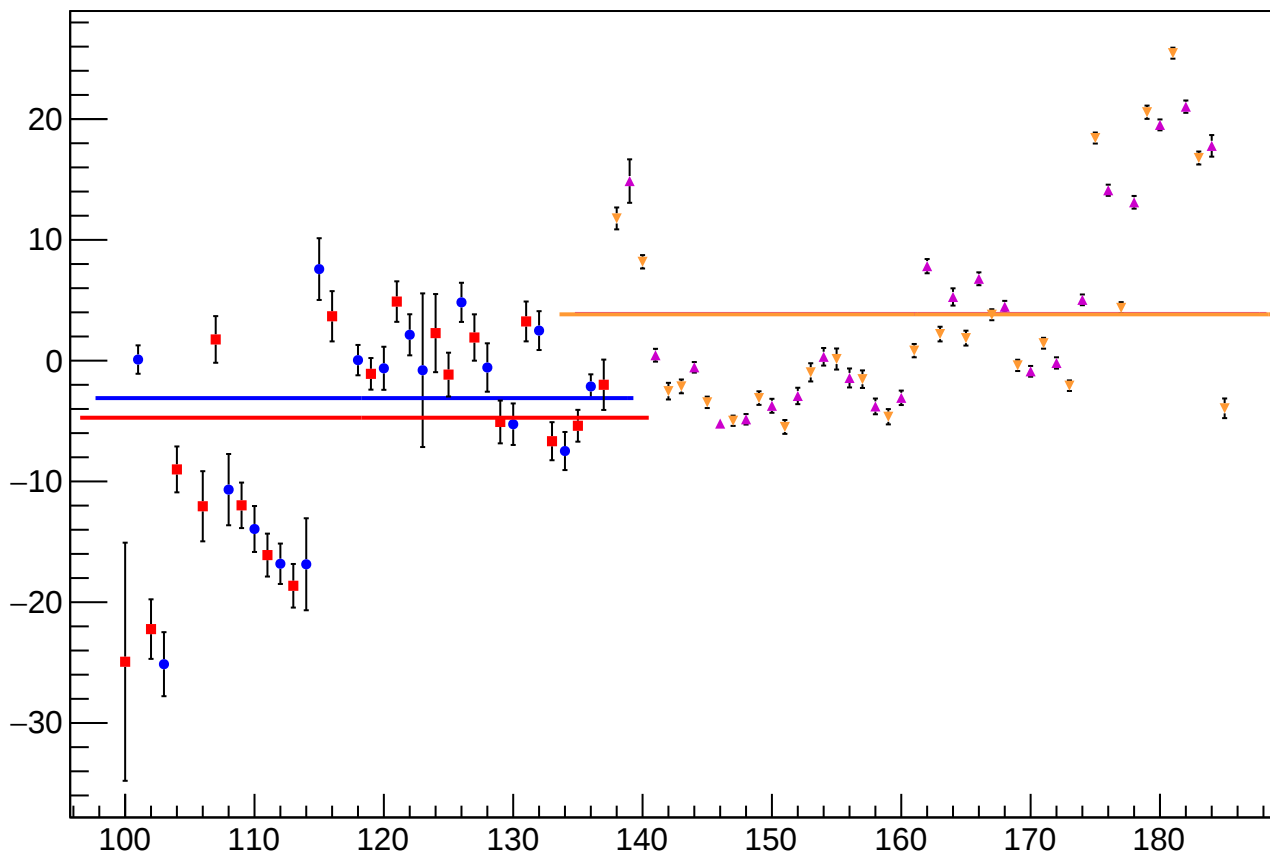
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -27.243 $\pm$ 0.139 χ^2 /NDF:11305.2/22

Out: -27.404 $\pm$ 0.137 χ^2 /NDF:14848.3/24

All: -27.325 $\pm$ 0.098 χ^2 /NDF: 26154.2/47

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.101 ± 0.412 $\chi^2/\text{NDF}: 278.9/16$

Left Out: 3.835 ± 0.109 $\chi^2/\text{NDF}: 6927.0/24$

Right Out: -4.725 ± 0.427 $\chi^2/\text{NDF}: 296.8/18$

Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

Left: 3.850 ± 0.078 $\chi^2/\text{NDF}: 12351.0/47$

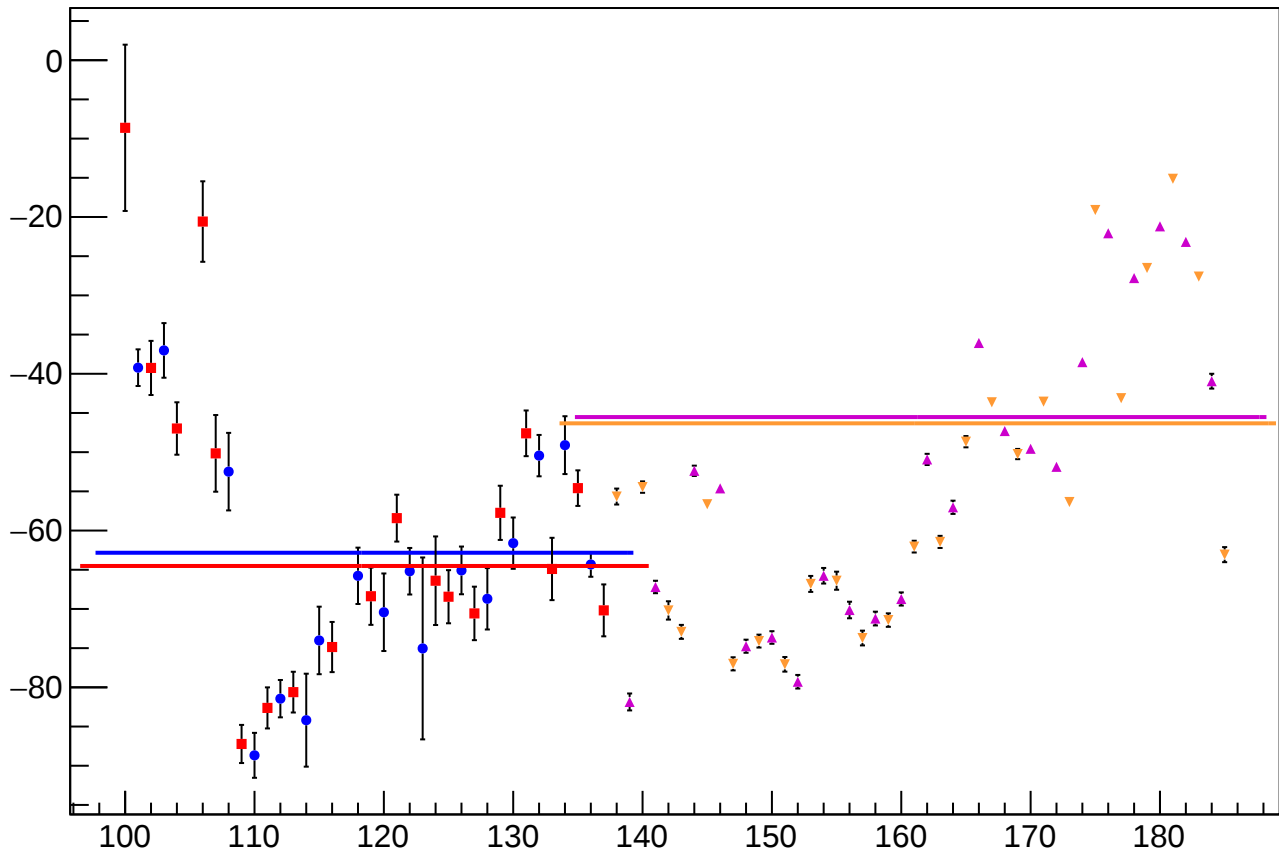
Right: -3.883 ± 0.296 $\chi^2/\text{NDF}: 583.1/35$

In: 3.392 ± 0.107 $\chi^2/\text{NDF}: 5969.9/39$

Out: 3.309 ± 0.106 $\chi^2/\text{NDF}: 7600.7/43$

All: 3.350 ± 0.075 $\chi^2/\text{NDF}: 13570.9/83$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.830 ± 0.742 $\chi^2/\text{NDF}: 367.7/16$

Left Out: -46.322 ± 0.138 $\chi^2/\text{NDF}: 20134.0/24$

Right Out: -64.518 ± 0.753 $\chi^2/\text{NDF}: 443.9/18$

Left In: -45.522 ± 0.140 $\chi^2/\text{NDF}: 17525.4/22$

Left: -45.927 ± 0.098 $\chi^2/\text{NDF}: 37676.0/47$

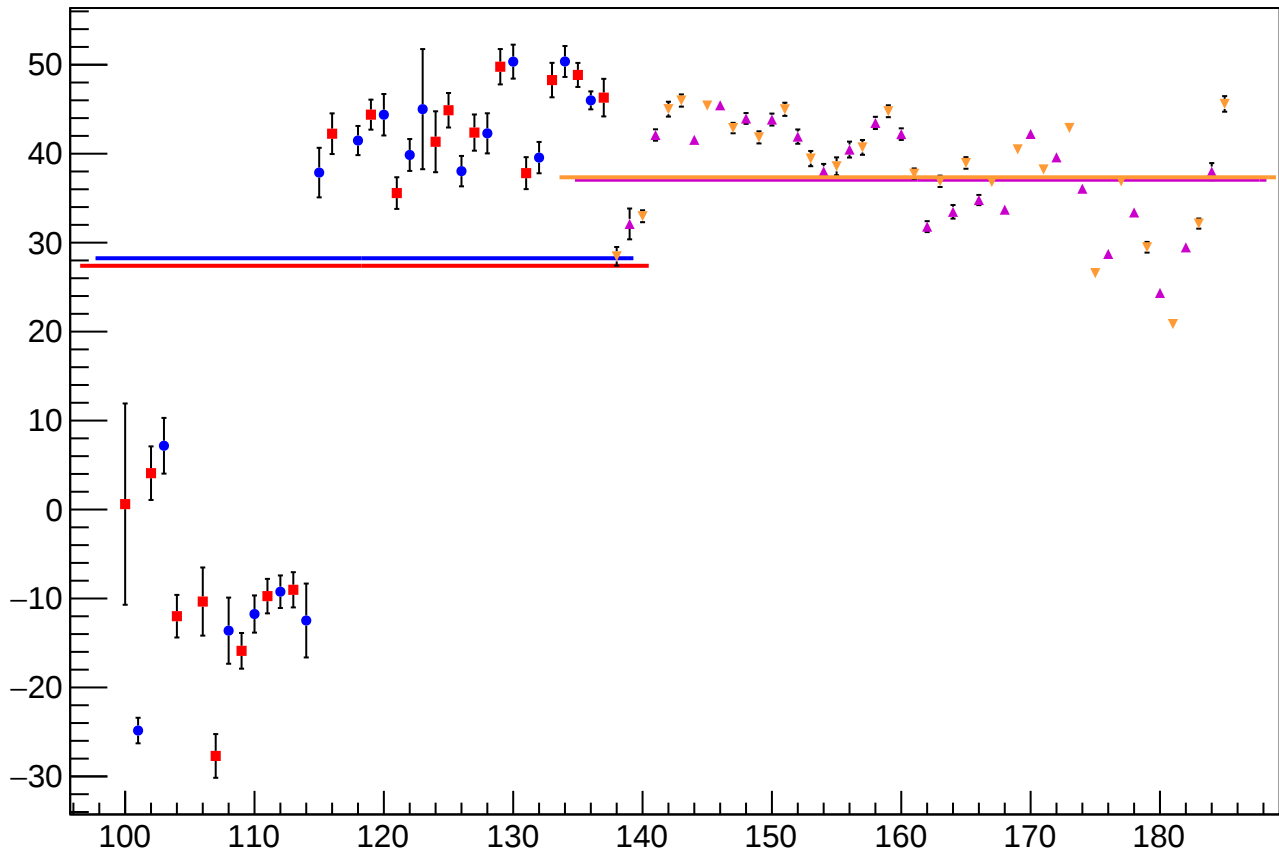
Right: -63.661 ± 0.528 $\chi^2/\text{NDF}: 814.2/35$

In: -46.115 ± 0.137 $\chi^2/\text{NDF}: 18418.9/39$

Out: -46.913 ± 0.136 $\chi^2/\text{NDF}: 21142.9/43$

All: -46.519 ± 0.097 $\chi^2/\text{NDF}: 39578.8/83$

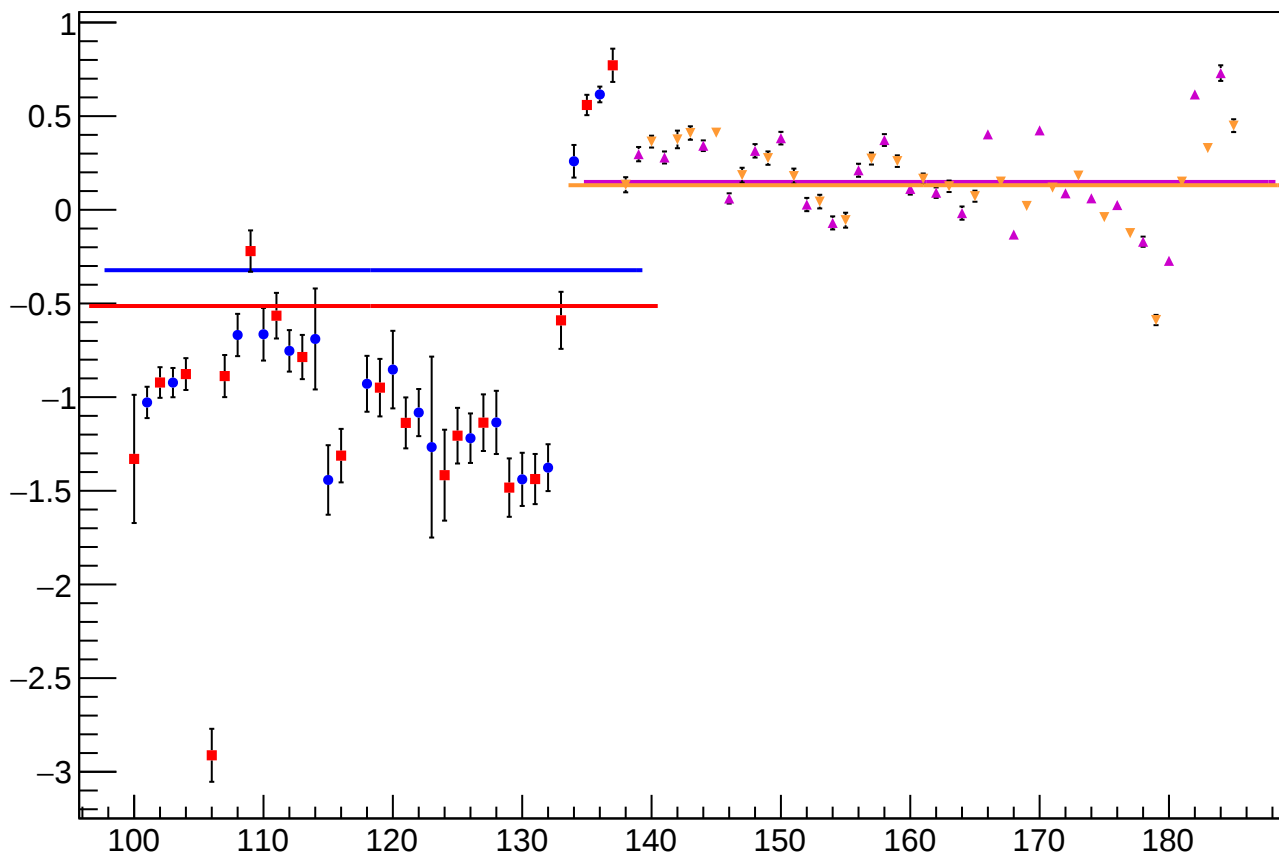
reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.247 $\pm$ 0.461 χ^2 /NDF: 3310.9/16
 Left Out: 37.347 $\pm$ 0.123 χ^2 /NDF:3144.4/24
 Right Out: 27.400 $\pm$ 0.480 χ^2 /NDF: 3031.5/18
 Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

Left: 37.213 $\pm$ 0.088 χ^2 /NDF: 5544.1/47
 Right: 27.840 $\pm$ 0.332 χ^2 /NDF: 6344.0/35
 In: 36.467 $\pm$ 0.121 χ^2 /NDF:6049.8/39
 Out: 36.734 $\pm$ 0.119 χ^2 /NDF:6579.6/43
 All: 36.603 $\pm$ 0.085 χ^2 /NDF: 12631.9/83

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.322 ± 0.025 χ^2/NDF : 1010.1/16

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.7/24

Right Out: -0.514 ± 0.026 χ^2/NDF : 1159.3/18

Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

Left: 0.140 ± 0.004 χ^2/NDF : 3235.0/47

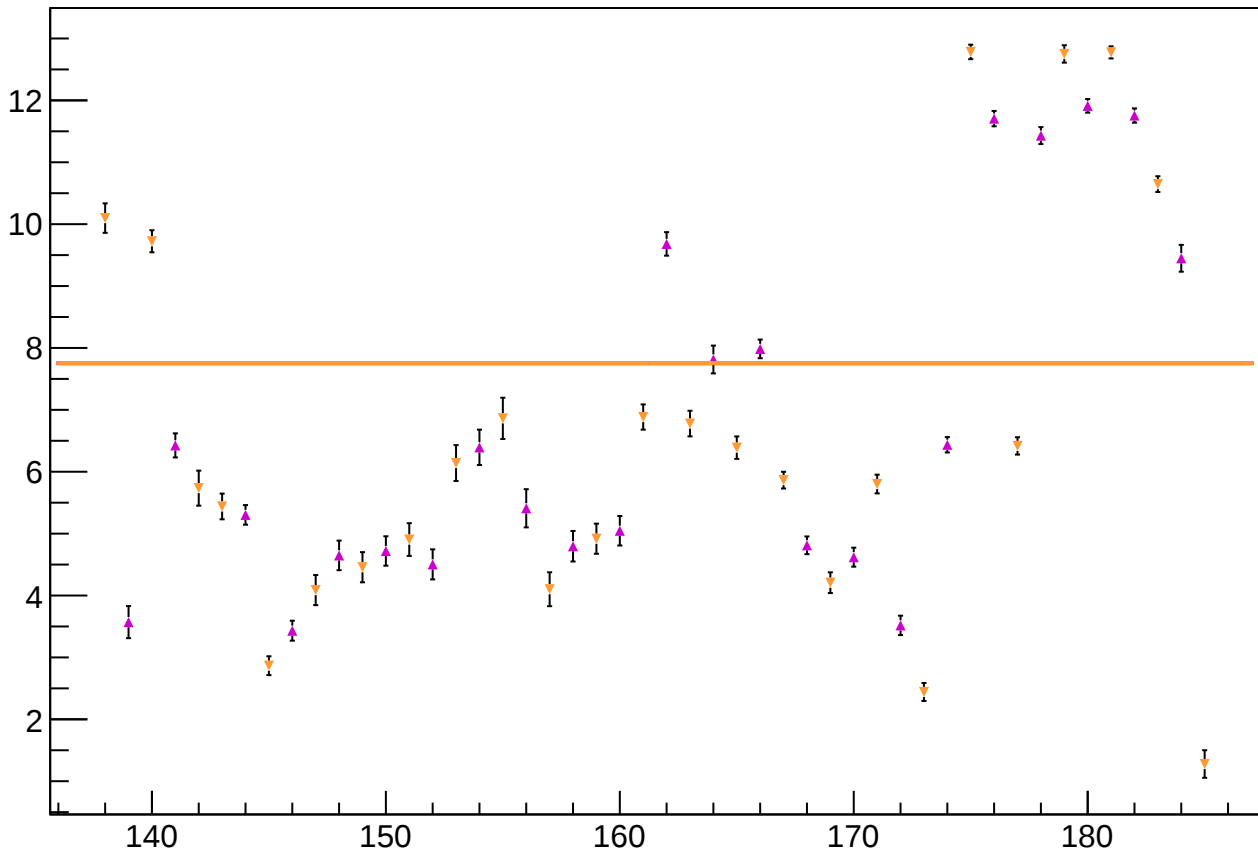
Right: -0.415 ± 0.018 χ^2/NDF : 2197.7/35

In: 0.125 ± 0.006 χ^2/NDF : 3151.7/39

Out: 0.102 ± 0.006 χ^2/NDF : 3183.0/43

All: 0.113 ± 0.004 χ^2/NDF : 6343.5/83

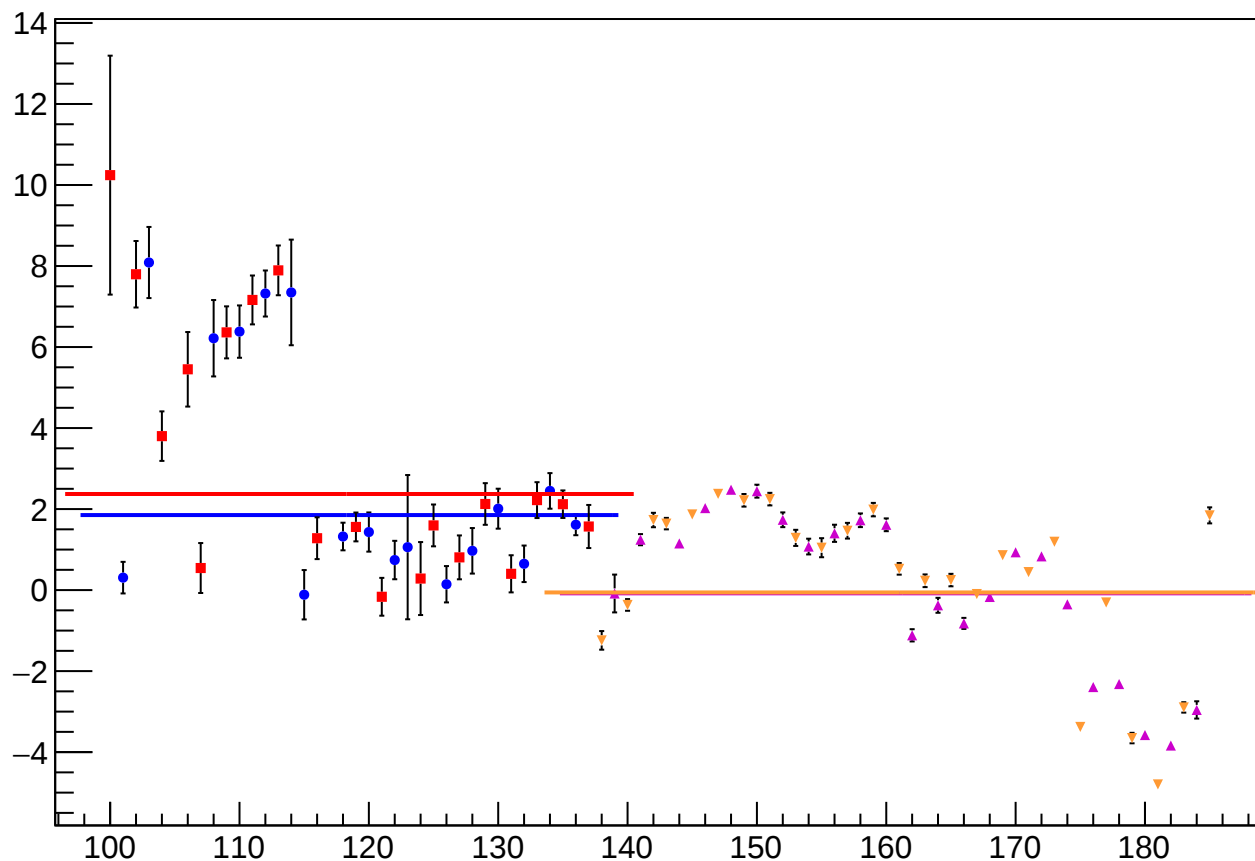
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.756+/-0.034 χ^2/NDF :11727.2/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.753+/-0.035 χ^2/NDF :8345.2/22

Left: 7.755+/-0.025 χ^2/NDF : 20072.4/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.753+/-0.035 χ^2/NDF :8345.2/22
 Out: 7.756+/-0.034 χ^2/NDF :11727.2/24
 All: 7.755+/-0.025 χ^2/NDF : 20072.4/47

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.852 ± 0.117 χ^2/NDF : 293.2/16

Left Out: -0.058 ± 0.028 χ^2/NDF : 6059.0/24

Right Out: 2.372 ± 0.123 χ^2/NDF : 335.5/18

Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

Left: -0.069 ± 0.020 χ^2/NDF : 11038.8/47

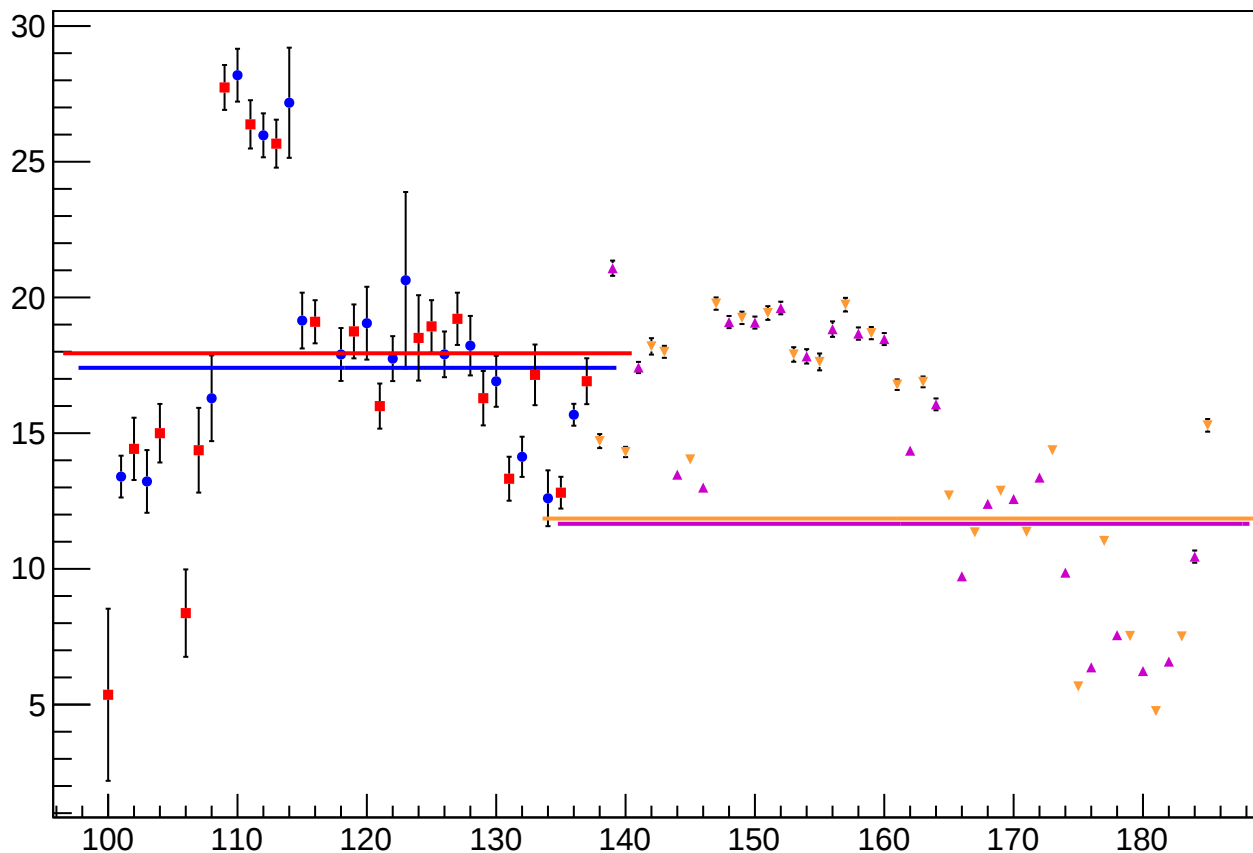
Right: 2.100 ± 0.085 χ^2/NDF : 638.2/35

In: 0.026 ± 0.027 χ^2/NDF : 5529.2/39

Out: 0.060 ± 0.027 χ^2/NDF : 6767.5/43

All: 0.043 ± 0.019 χ^2/NDF : 12297.5/83

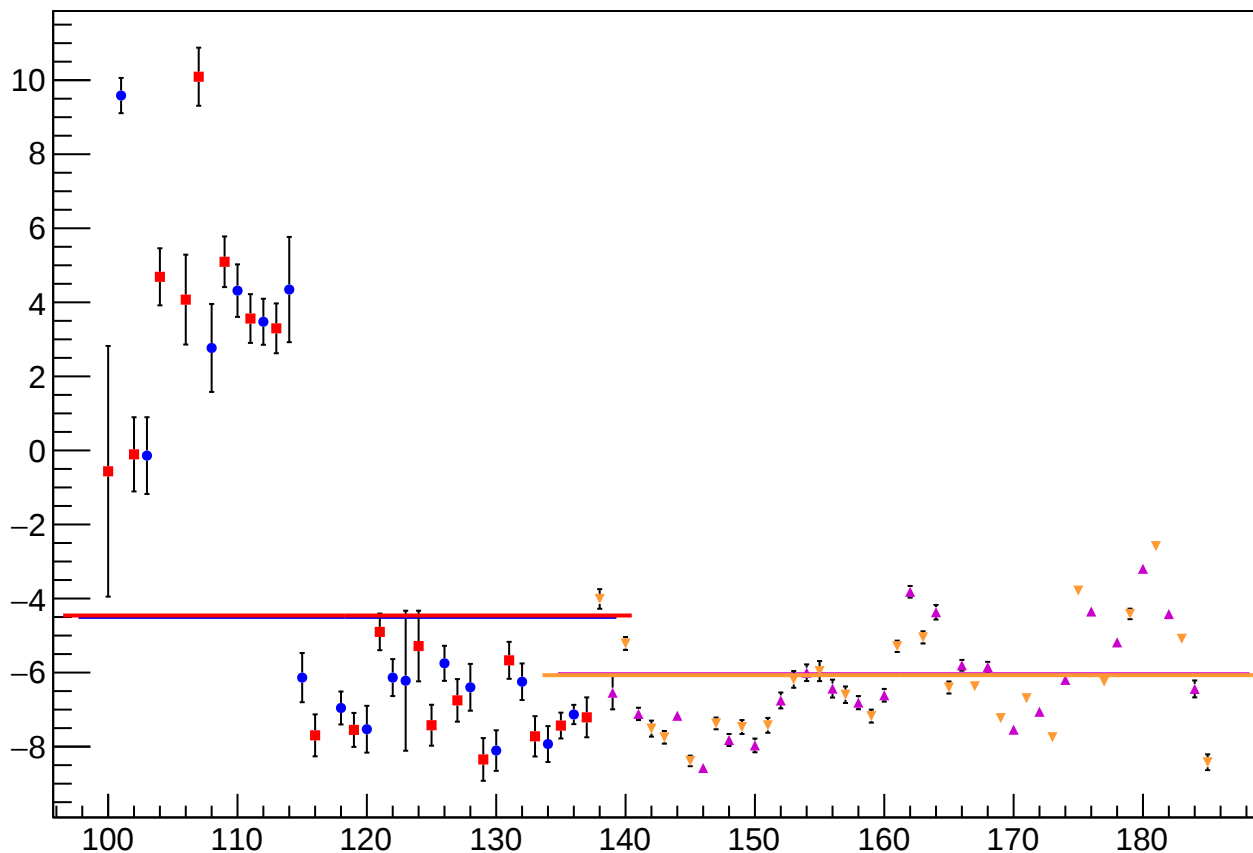
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.407 $\pm$ 0.213 χ^2 /NDF: 365.3/16
 Left Out: 11.854 $\pm$ 0.035 χ^2 /NDF:19148.6/24
 Right Out: 17.943 $\pm$ 0.219 χ^2 /NDF: 505.3/18
 Left In: 11.660 $\pm$ 0.035 χ^2 /NDF:16710.2/22

Left: 11.758 $\pm$ 0.025 χ^2 /NDF: 35874.2/47
 Right: 17.667 $\pm$ 0.153 χ^2 /NDF: 873.7/35
 In: 11.813 $\pm$ 0.035 χ^2 /NDF:17785.1/39
 Out: 12.002 $\pm$ 0.034 χ^2 /NDF:20405.1/43
 All: 11.909 $\pm$ 0.024 χ^2 /NDF: 38205.2/83

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.497 ± 0.131 χ^2/NDF : 1582.8/16

Left Out: -6.070 ± 0.031 χ^2/NDF : 2668.5/24

Right Out: -4.458 ± 0.137 χ^2/NDF : 1340.5/18

Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

Left: -6.058 ± 0.022 χ^2/NDF : 4962.6/47

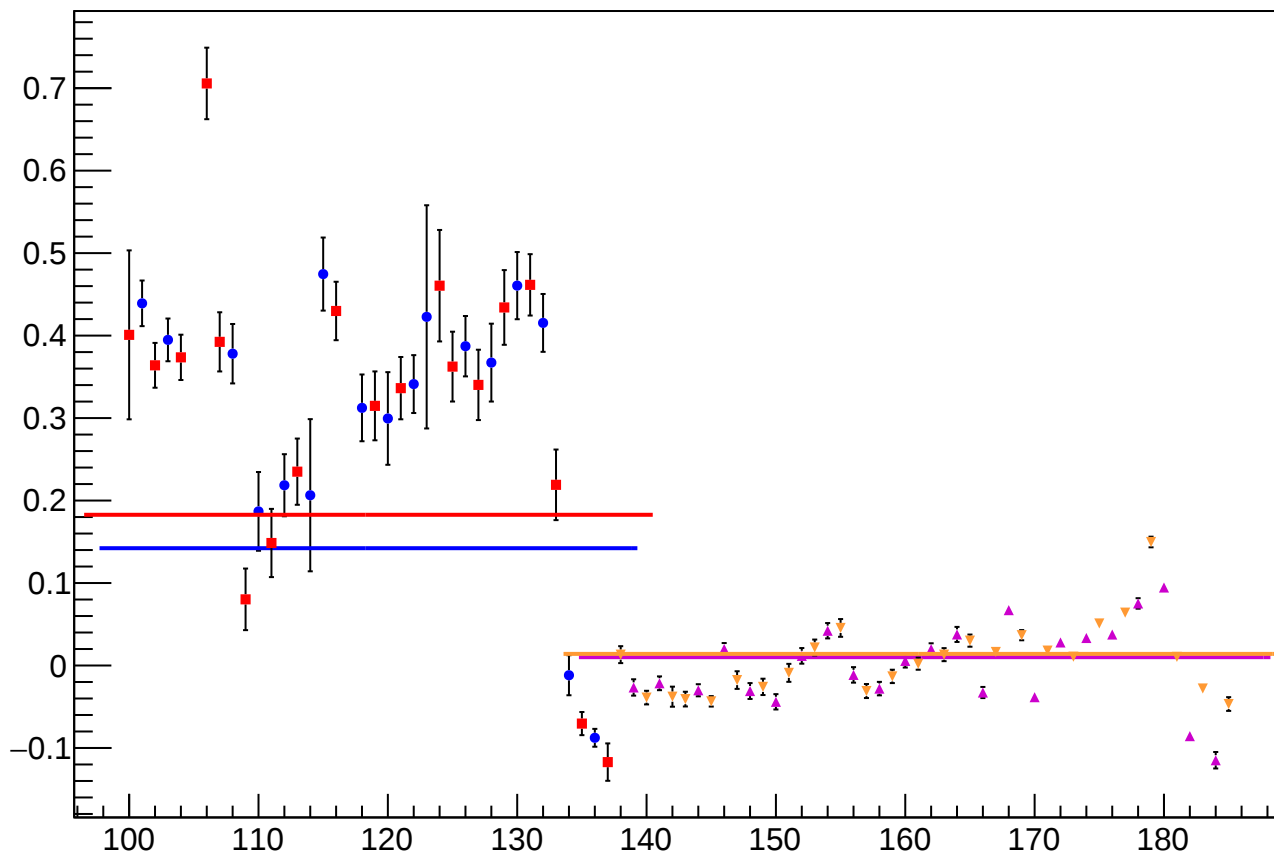
Right: -4.478 ± 0.095 χ^2/NDF : 2923.4/35

In: -5.959 ± 0.031 χ^2/NDF : 4009.3/39

Out: -5.991 ± 0.030 χ^2/NDF : 4140.2/43

All: -5.975 ± 0.022 χ^2/NDF : 8150.1/83

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 $\pm$ 0.007 χ^2 /NDF: 1057.7/16

Left Out: 0.014 $\pm$ 0.001 χ^2 /NDF:956.3/24

Right Out: 0.183 $\pm$ 0.007 χ^2 /NDF: 999.1/18

Left In: 0.010 $\pm$ 0.001 χ^2 /NDF:1216.1/22

Left: 0.012 $\pm$ 0.001 χ^2 /NDF: 2176.3/47

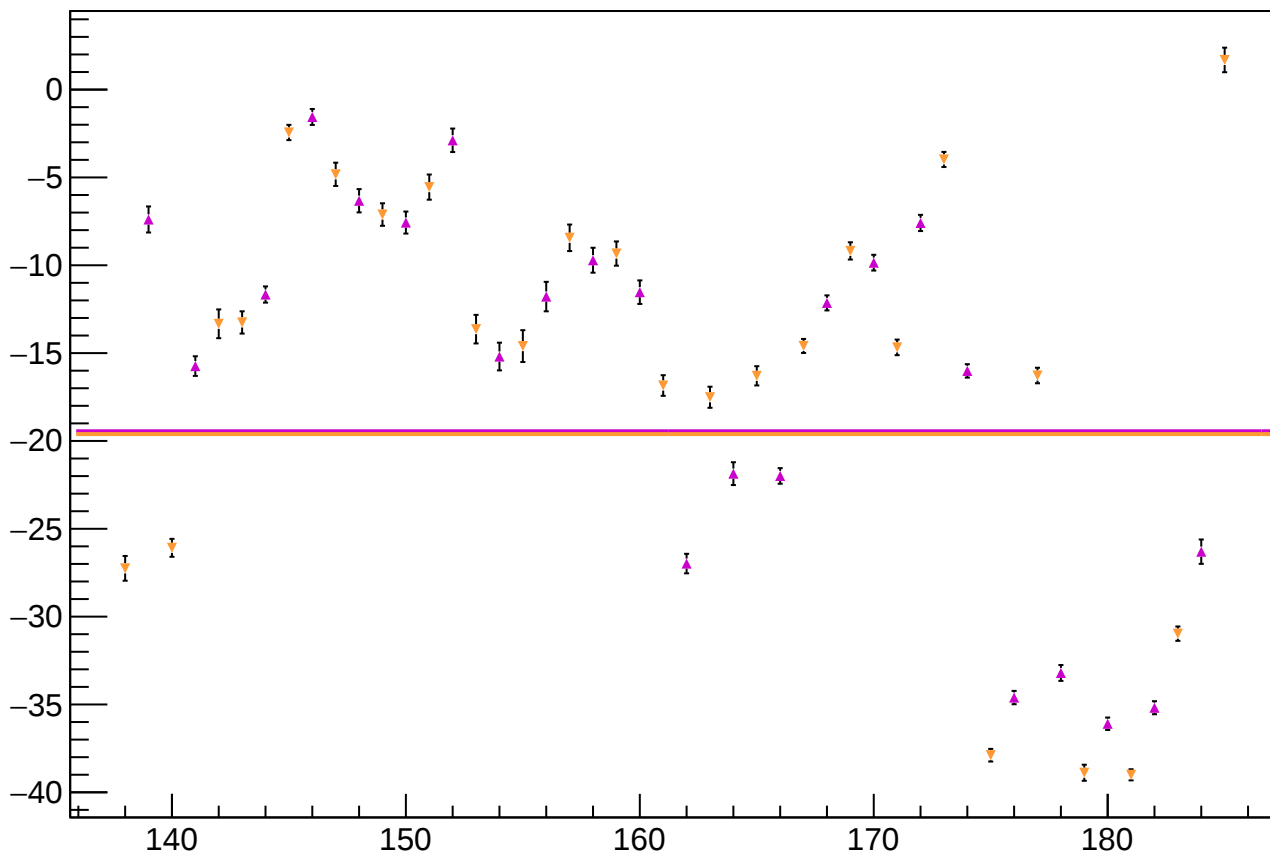
Right: 0.162 $\pm$ 0.005 χ^2 /NDF: 2072.4/35

In: 0.015 $\pm$ 0.001 χ^2 /NDF:2608.6/39

Out: 0.020 $\pm$ 0.001 χ^2 /NDF:2454.4/43

All: 0.018 $\pm$ 0.001 χ^2 /NDF: 5068.4/83

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -19.609 $\pm$ 0.103 χ^2 /NDF:15758.8/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -19.450 $\pm$ 0.105 χ^2 /NDF:12283.1/22

Left: -19.531 $\pm$ 0.074 χ^2 /NDF: 28043.1/47

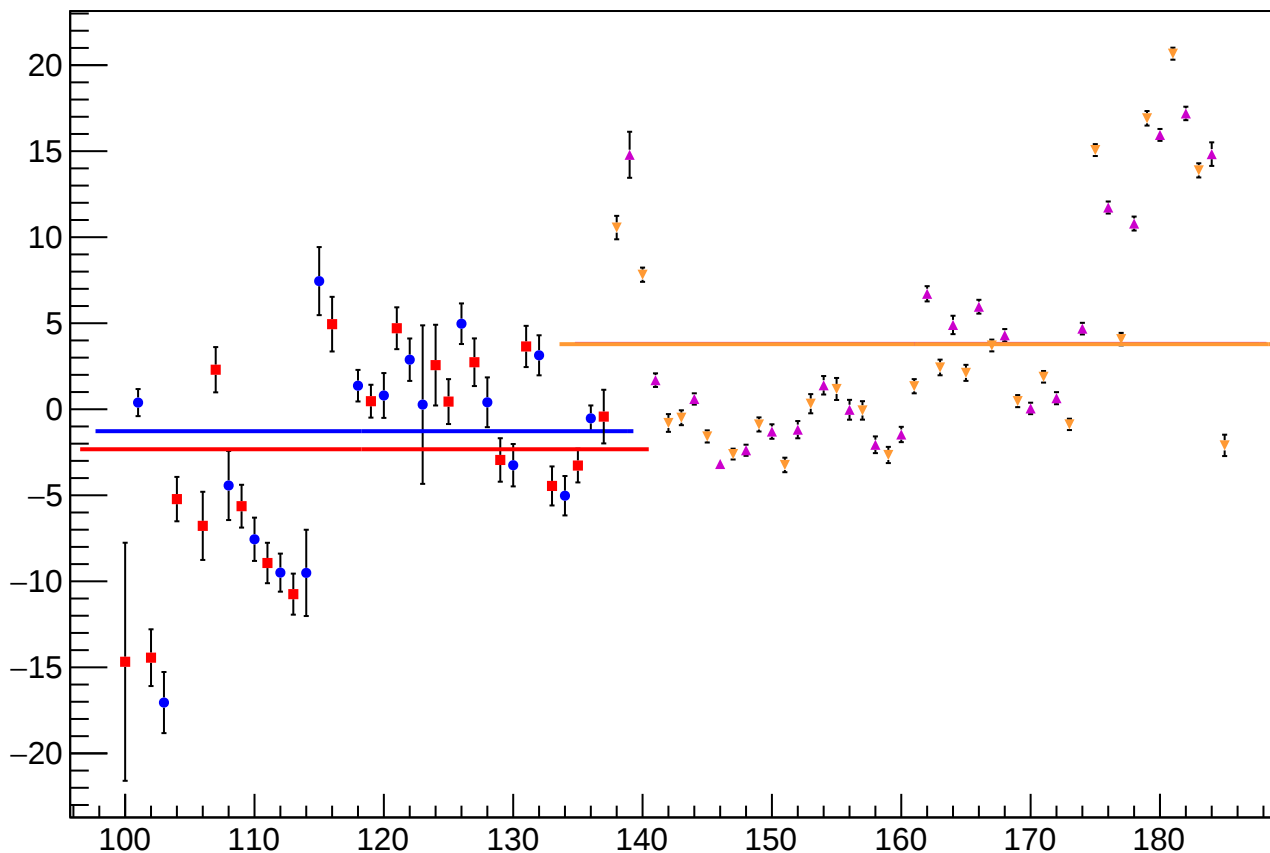
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -19.450 $\pm$ 0.105 χ^2 /NDF:12283.1/22

Out: -19.609 $\pm$ 0.103 χ^2 /NDF:15758.8/24

All: -19.531 $\pm$ 0.074 χ^2 /NDF: 28043.1/47

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.274 $\pm$ 0.293 χ^2 /NDF: 276.5/16

Left Out: 3.783 $\pm$ 0.082 χ^2 /NDF:7137.5/24

Right Out: -2.325 $\pm$ 0.303 χ^2 /NDF: 284.4/18

Left In: 3.799 $\pm$ 0.084 χ^2 /NDF:5517.0/22

Left: 3.791 $\pm$ 0.059 χ^2 /NDF: 12654.5/47

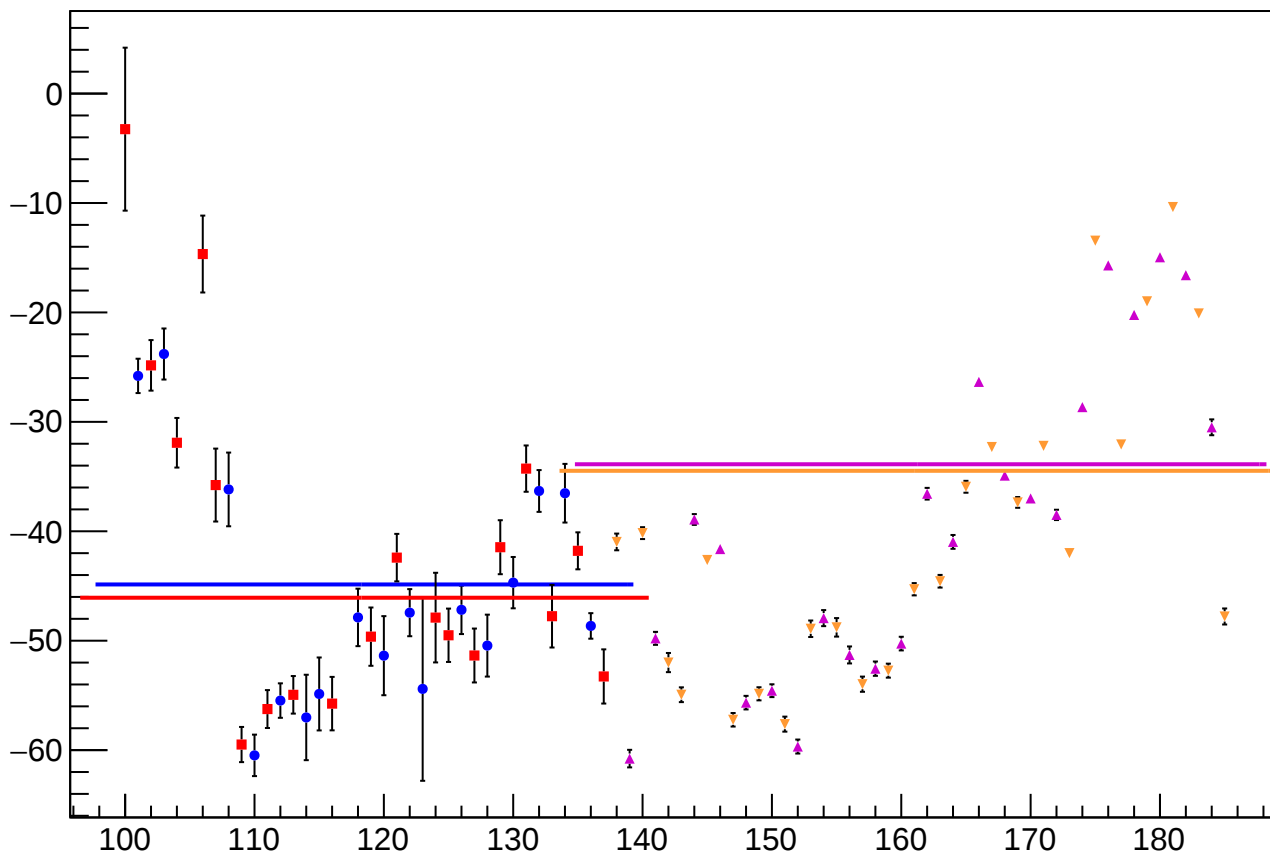
Right: -1.782 $\pm$ 0.210 χ^2 /NDF: 567.2/35

In: 3.417 $\pm$ 0.080 χ^2 /NDF:6071.0/39

Out: 3.365 $\pm$ 0.079 χ^2 /NDF:7801.2/43

All: 3.391 $\pm$ 0.056 χ^2 /NDF: 13872.4/83

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.859 ± 0.525 $\chi^2/\text{NDF}: 420.2/16$
 Left Out: -34.473 ± 0.104 $\chi^2/\text{NDF}: 20195.7/24$
 Right Out: -46.073 ± 0.529 $\chi^2/\text{NDF}: 453.9/18$
 Left In: -33.875 ± 0.105 $\chi^2/\text{NDF}: 17638.7/22$

Left: -34.178 ± 0.074 $\chi^2/\text{NDF}: 37850.8/47$

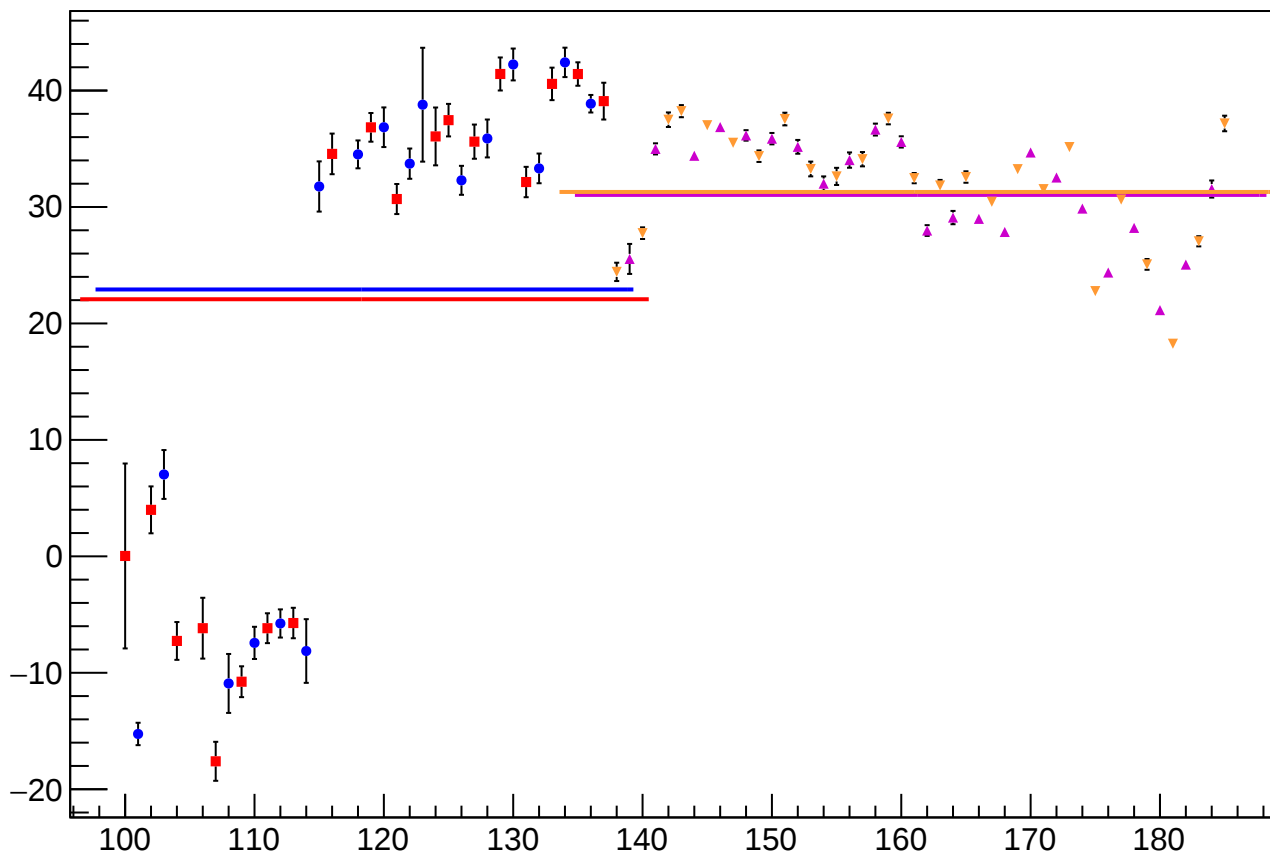
Right: -45.461 ± 0.373 $\chi^2/\text{NDF}: 876.7/35$

In: -34.299 ± 0.103 $\chi^2/\text{NDF}: 18479.5/39$

Out: -34.904 ± 0.102 $\chi^2/\text{NDF}: 21111.7/43$

All: -34.605 ± 0.073 $\chi^2/\text{NDF}: 39608.6/83$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.917 $\pm$ 0.329 χ^2 /NDF: 4317.2/16

Left Out: 31.292 $\pm$ 0.092 χ^2 /NDF:3340.5/24

Right Out: 22.078 $\pm$ 0.341 χ^2 /NDF: 4029.9/18

Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

Left: 31.168 $\pm$ 0.066 χ^2 /NDF: 5824.2/47

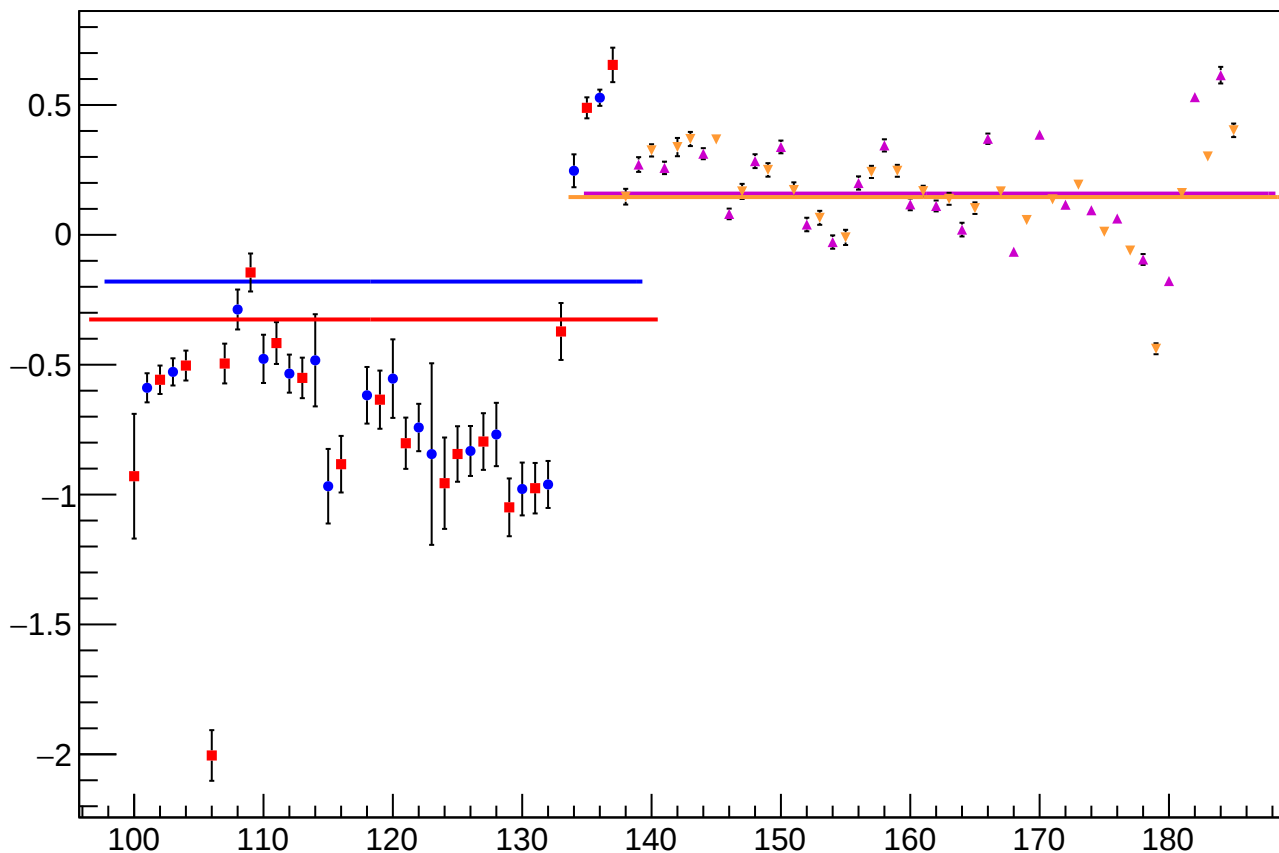
Right: 22.513 $\pm$ 0.236 χ^2 /NDF: 8350.2/35

In: 30.422 $\pm$ 0.091 χ^2 /NDF:7361.6/39

Out: 30.660 $\pm$ 0.089 χ^2 /NDF:8052.2/43

All: 30.543 $\pm$ 0.064 χ^2 /NDF: 15417.3/83

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 χ^2/NDF : 995.2/16

Left Out: 0.145 ± 0.004 χ^2/NDF : 1580.1/24

Right Out: -0.326 ± 0.018 χ^2/NDF : 1174.1/18

Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

Left: 0.152 ± 0.003 χ^2/NDF : 3594.8/47

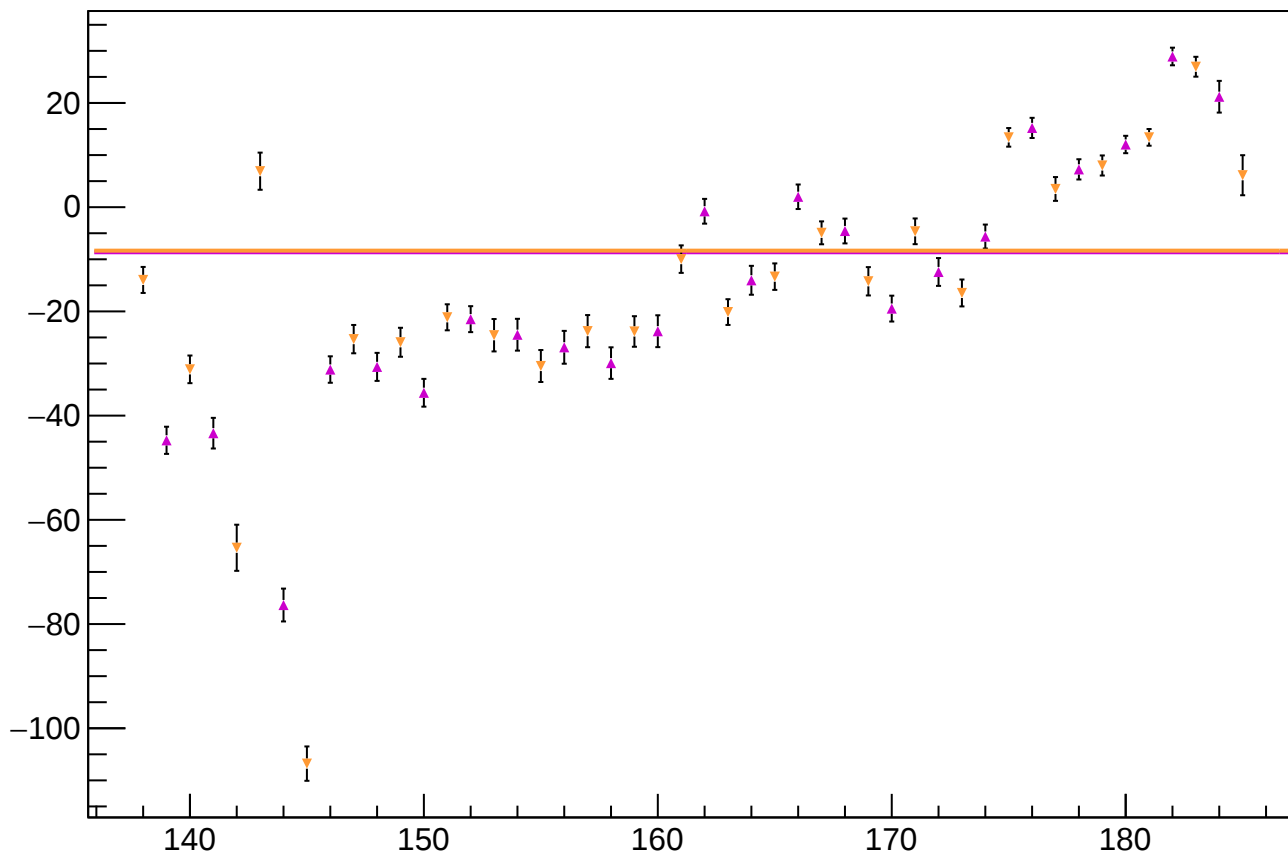
Right: -0.251 ± 0.013 χ^2/NDF : 2202.1/35

In: 0.140 ± 0.004 χ^2/NDF : 3347.6/39

Out: 0.121 ± 0.004 χ^2/NDF : 3388.9/43

All: 0.131 ± 0.003 χ^2/NDF : 6746.7/83

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



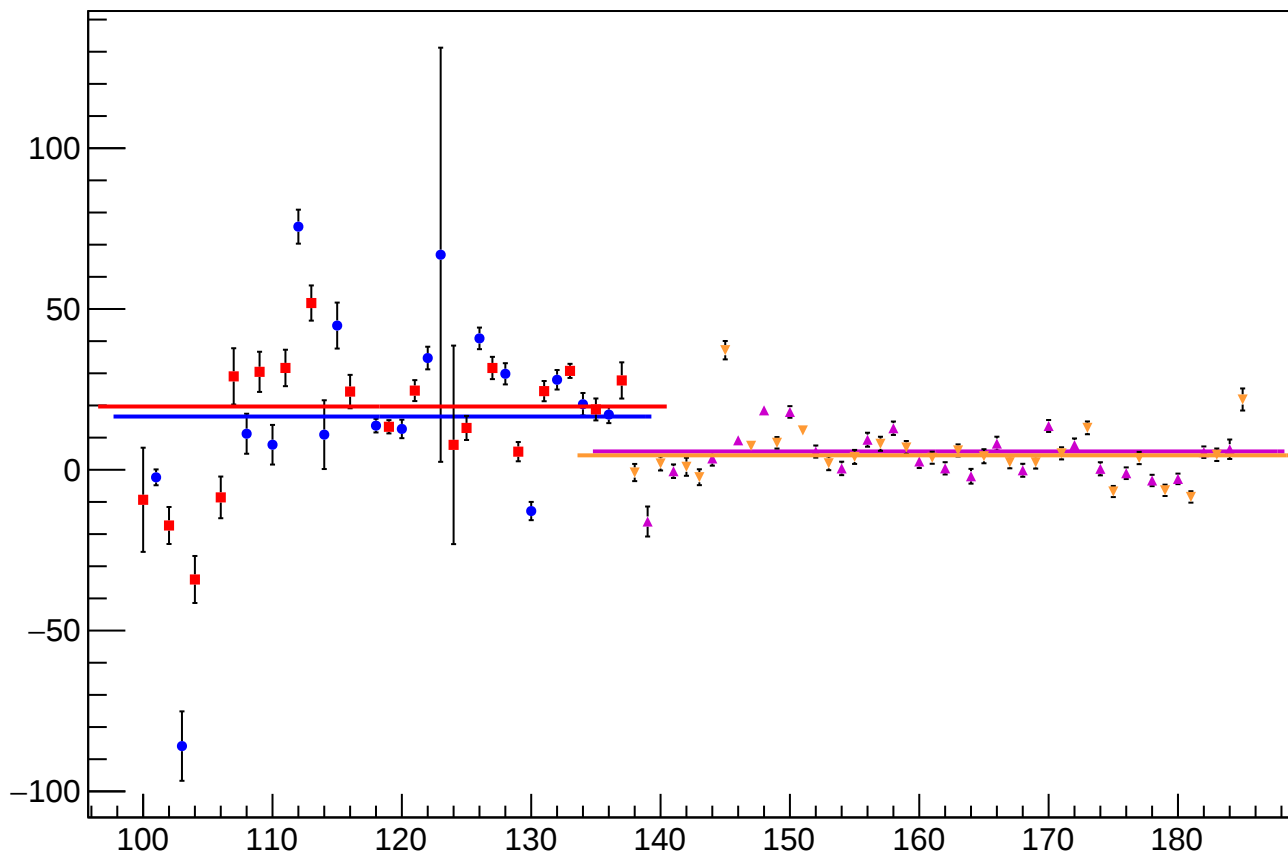
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.342+/-0.500 χ^2/NDF :2226.2/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.652+/-0.507 χ^2/NDF :2223.8/22

Left: -8.494+/-0.356 χ^2/NDF : 4450.2/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.652+/-0.507 χ^2/NDF :2223.8/22
 Out: -8.342+/-0.500 χ^2/NDF :2226.2/24

All: -8.494+/-0.356 χ^2/NDF : 4450.2/47

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.559 $\pm$ 0.860 χ^2 /NDF: 514.9/16

Left Out: 4.490 $\pm$ 0.392 χ^2 /NDF: 371.9/24

Right Out: 19.678 $\pm$ 0.898 χ^2 /NDF: 240.6/18

Left In: 5.705 $\pm$ 0.404 χ^2 /NDF: 324.1/22

Left: 5.079 $\pm$ 0.281 χ^2 /NDF: 700.6/47

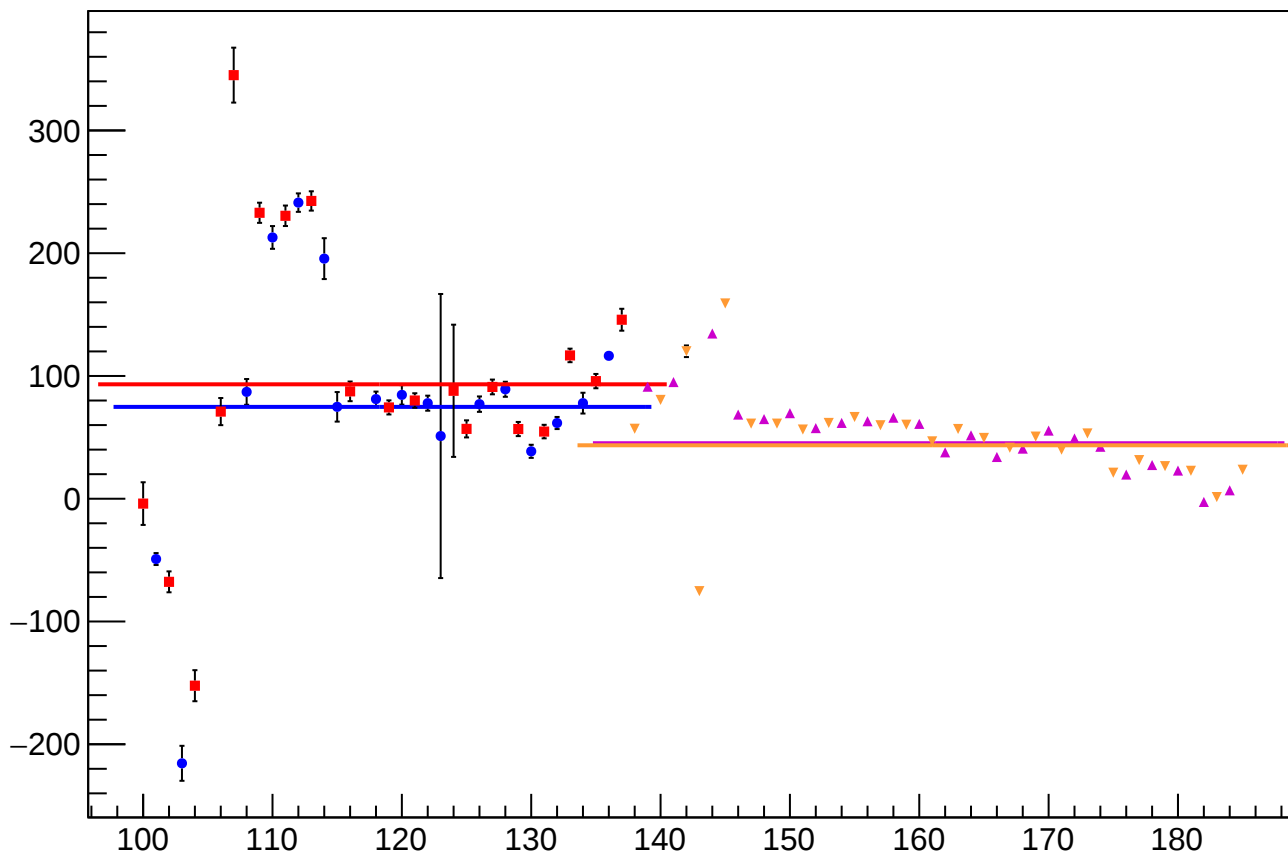
Right: 18.051 $\pm$ 0.621 χ^2 /NDF: 761.8/35

In: 7.669 $\pm$ 0.366 χ^2 /NDF: 969.5/39

Out: 6.923 $\pm$ 0.359 χ^2 /NDF: 852.8/43

All: 7.289 $\pm$ 0.256 χ^2 /NDF: 1824.4/83

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 74.816+/-1.649 χ^2/NDF : 1994.3/16

Left Out: 43.536+/-0.499 χ^2/NDF : 3830.3/24

Right Out: 93.209+/-1.715 χ^2/NDF : 2001.2/18

Left In: 45.211+/-0.504 χ^2/NDF : 3048.5/22

Left: 44.364+/-0.355 χ^2/NDF : 6884.4/47

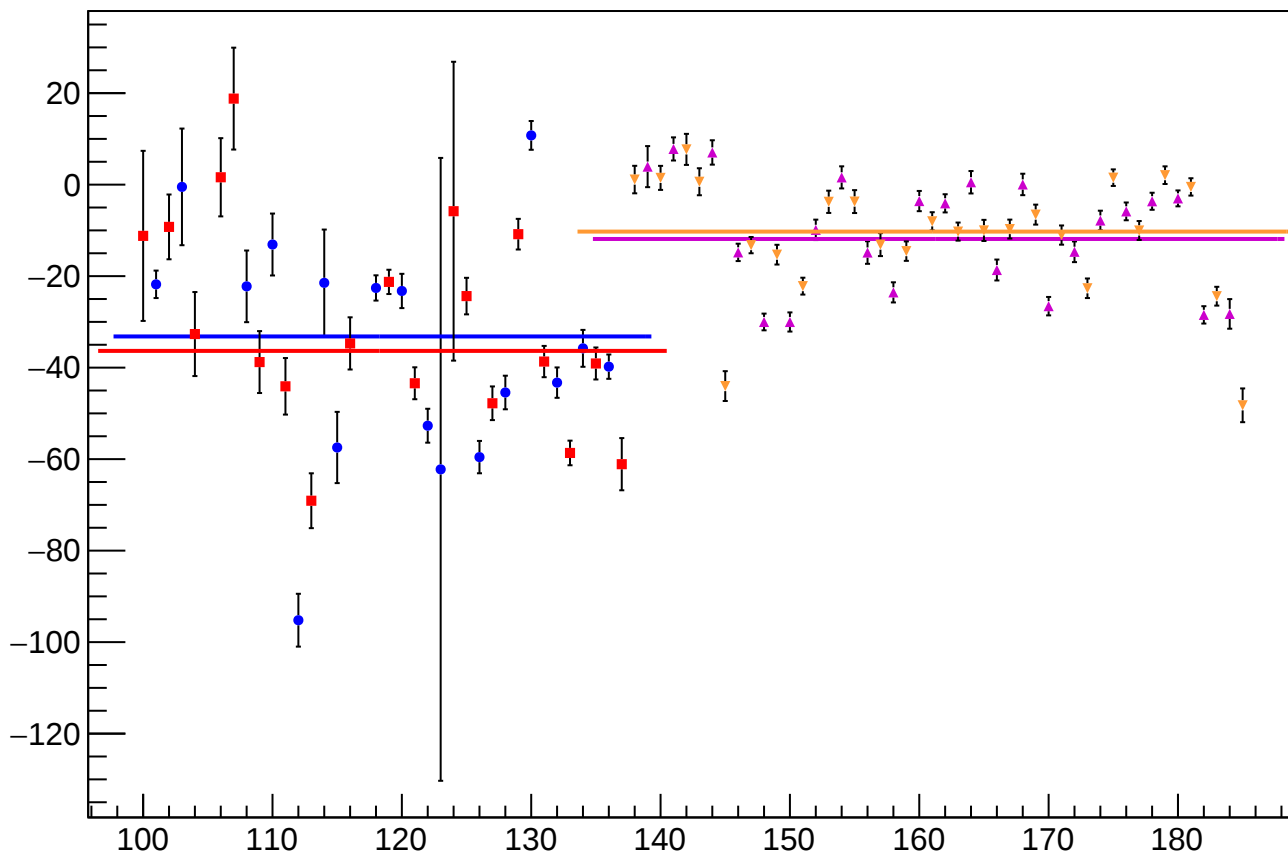
Right: 83.653+/-1.189 χ^2/NDF : 4055.2/35

In: 47.742+/-0.482 χ^2/NDF : 5337.4/39

Out: 47.405+/-0.479 χ^2/NDF : 6604.9/43

All: 47.573+/-0.340 χ^2/NDF : 11942.5/83

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.182 ± 0.984 $\chi^2/\text{NDF}: 485.4/16$

Left Out: -10.262 ± 0.444 $\chi^2/\text{NDF}: 553.4/24$

Right Out: -36.341 ± 1.026 $\chi^2/\text{NDF}: 295.1/18$

Left In: -11.877 ± 0.456 $\chi^2/\text{NDF}: 666.2/22$

Left: -11.049 ± 0.318 $\chi^2/\text{NDF}: 1226.1/47$

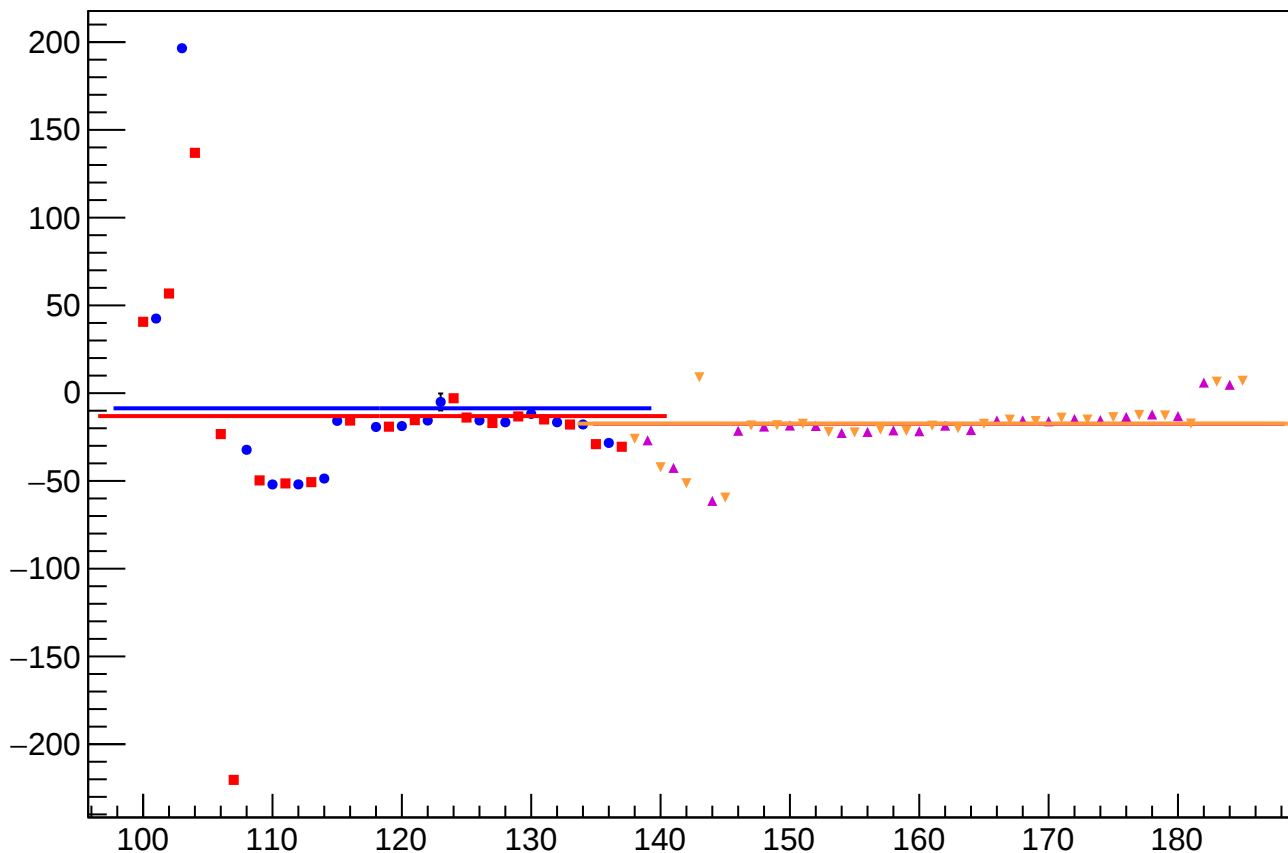
Right: -34.695 ± 0.710 $\chi^2/\text{NDF}: 785.4/35$

In: -15.646 ± 0.414 $\chi^2/\text{NDF}: 1537.8/39$

Out: -14.380 ± 0.408 $\chi^2/\text{NDF}: 1392.4/43$

All: -15.004 ± 0.290 $\chi^2/\text{NDF}: 2934.9/83$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.630 ± 0.059 χ^2/NDF : 575559.8/16

Left Out: -17.344 ± 0.020 χ^2/NDF : 324508.6/24

Right Out: -13.064 ± 0.062 χ^2/NDF : 558310.5/18

Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

Left: -17.417 ± 0.015 χ^2/NDF : 583749.8/47

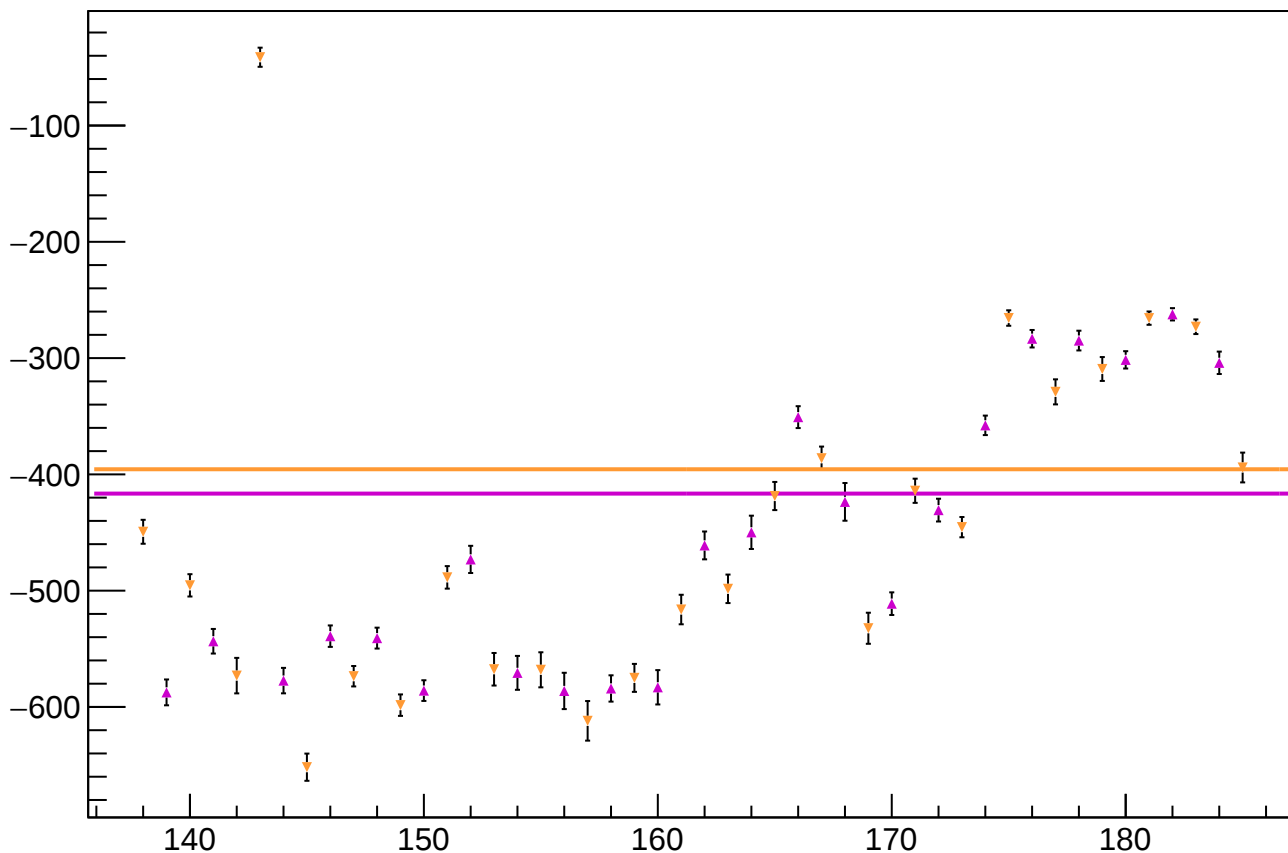
Right: -10.746 ± 0.043 χ^2/NDF : 1136551.9/35

In: -16.526 ± 0.020 χ^2/NDF : 854775.8/39

Out: -16.925 ± 0.019 χ^2/NDF : 887128.8/43

All: -16.727 ± 0.014 χ^2/NDF : 1742115.2/83

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -395.591+/-1.954 χ^2/NDF :5945.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -416.521+/-2.005 χ^2/NDF :3917.0/22

Left: -405.788+/-1.399 χ^2/NDF : 9918.8/47

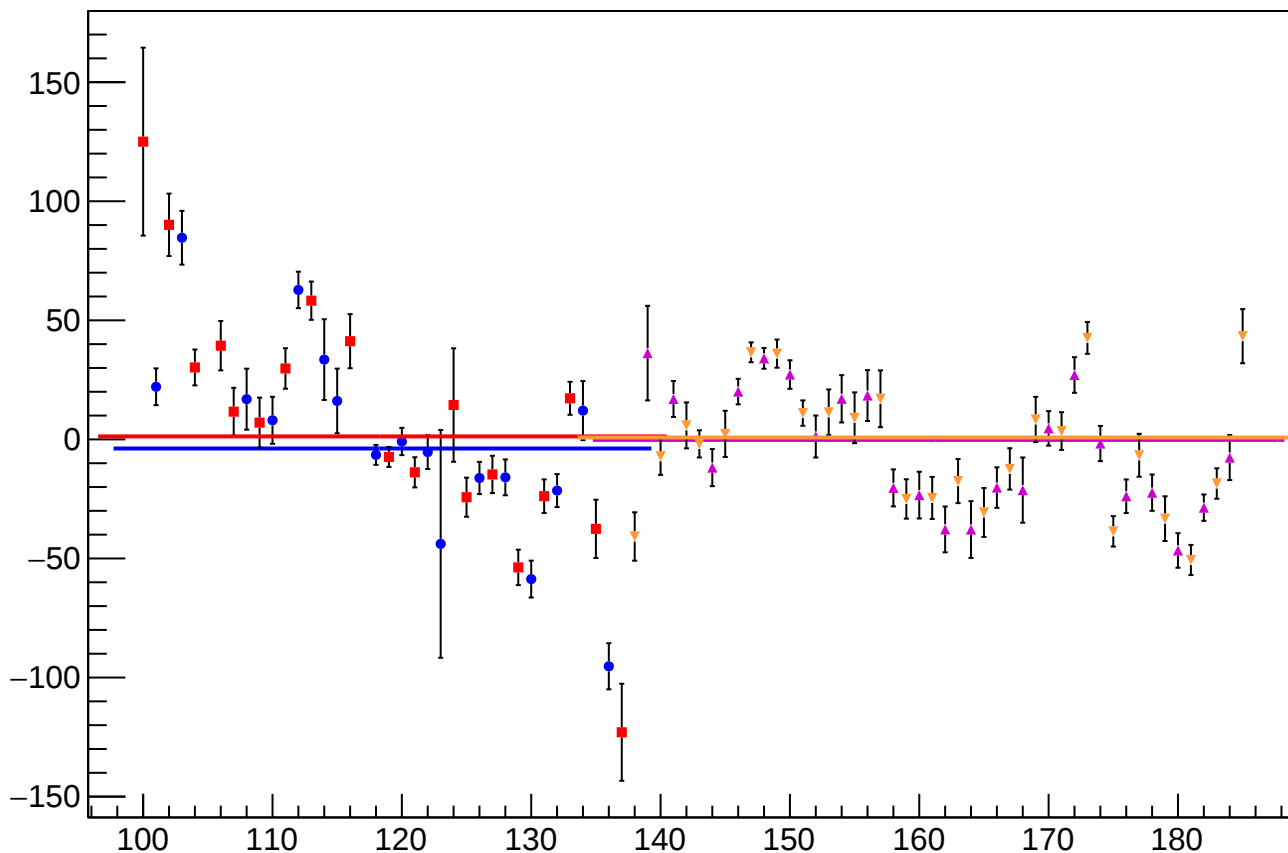
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -416.521+/-2.005 χ^2/NDF :3917.0/22

Out: -395.591+/-1.954 χ^2/NDF :5945.9/24

All: -405.788+/-1.399 χ^2/NDF : 9918.8/47

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.821 ± 1.927 χ^2/NDF : 314.4/16

Left Out: 0.792 ± 1.503 χ^2/NDF : 349.6/24

Right Out: 1.253 ± 1.917 χ^2/NDF : 303.3/18

Left In: -0.202 ± 1.575 χ^2/NDF : 260.8/22

Left: 0.318 ± 1.087 χ^2/NDF : 610.7/47

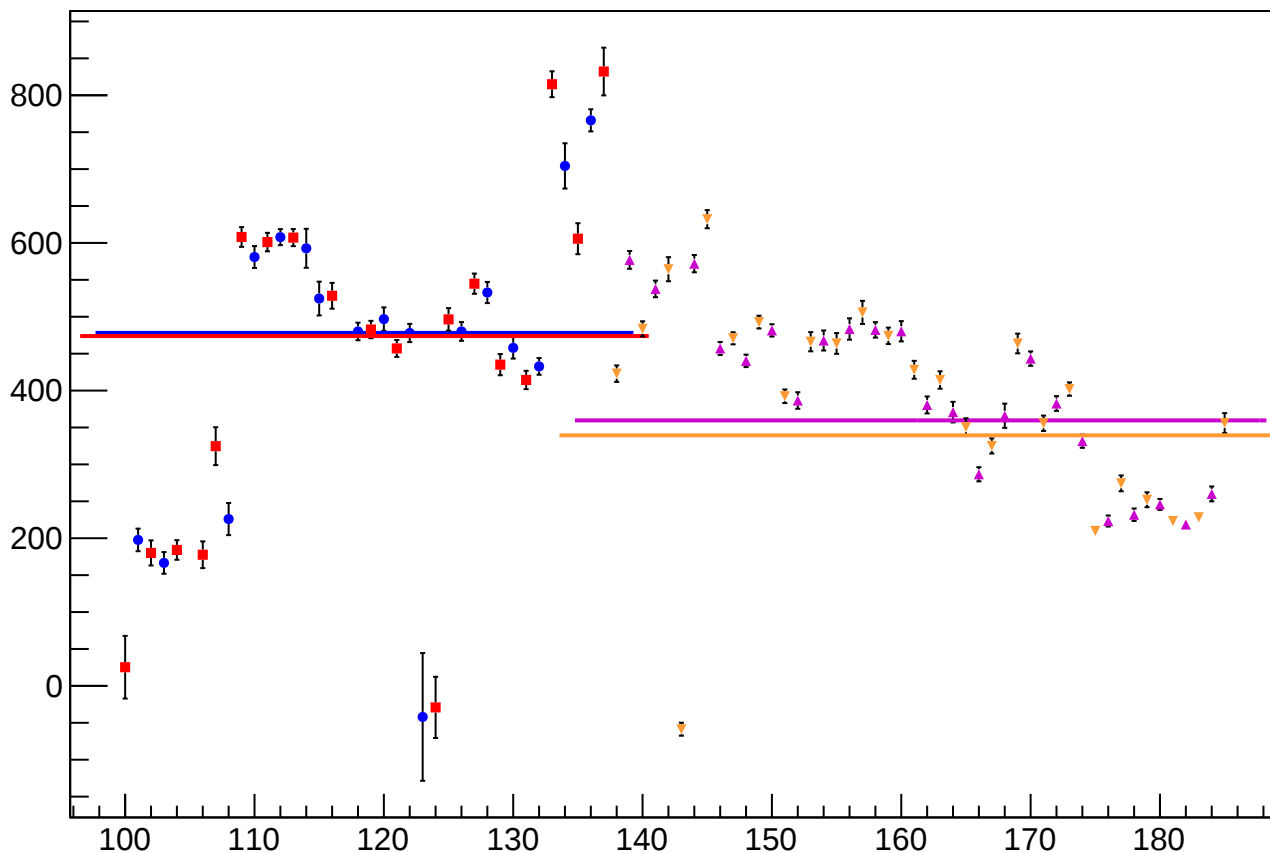
Right: -1.271 ± 1.359 χ^2/NDF : 621.2/35

In: -1.652 ± 1.219 χ^2/NDF : 577.3/39

Out: 0.968 ± 1.183 χ^2/NDF : 653.0/43

All: -0.302 ± 0.849 χ^2/NDF : 1232.7/83

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.121+/-3.670 χ^2/NDF : 1627.6/16

Left Out: 339.390+/-1.963 χ^2/NDF : 5502.1/24

Right Out: 473.847+/-3.538 χ^2/NDF : 2285.5/18

Left In: 359.609+/-2.003 χ^2/NDF : 3398.5/22

Left: 349.298+/-1.402 χ^2/NDF : 8952.6/47

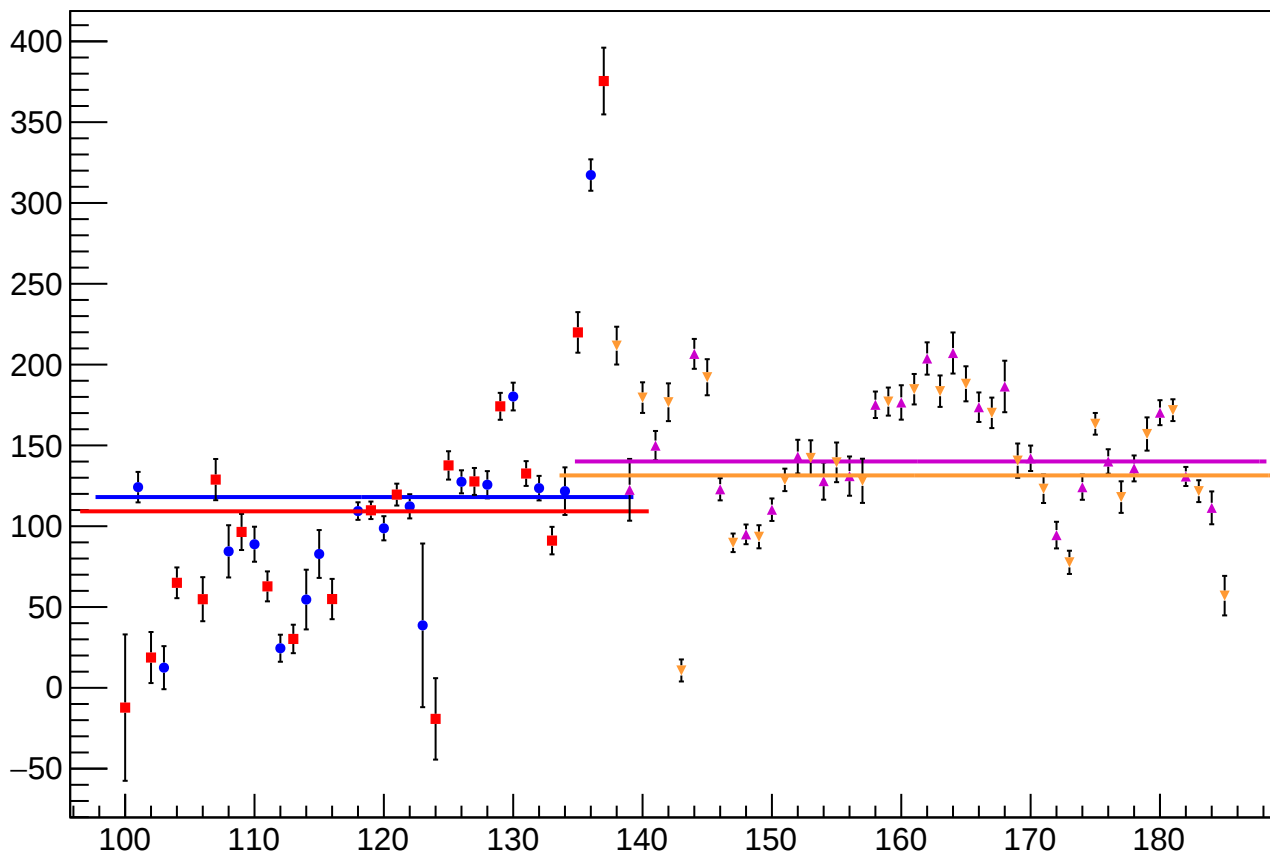
Right: 475.905+/-2.547 χ^2/NDF : 3913.8/35

In: 386.796+/-1.758 χ^2/NDF : 5829.4/39

Out: 371.045+/-1.717 χ^2/NDF : 8892.0/43

All: 378.733+/-1.228 χ^2/NDF : 14762.6/83

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.036 $\pm$ 2.231 χ^2 /NDF: 705.1/16

Left Out: 131.434 $\pm$ 1.728 χ^2 /NDF: 809.5/24

Right Out: 109.208 $\pm$ 2.209 χ^2 /NDF: 568.1/18

Left In: 140.069 $\pm$ 1.795 χ^2 /NDF: 316.5/22

Left: 135.586 $\pm$ 1.245 χ^2 /NDF: 1138.1/47

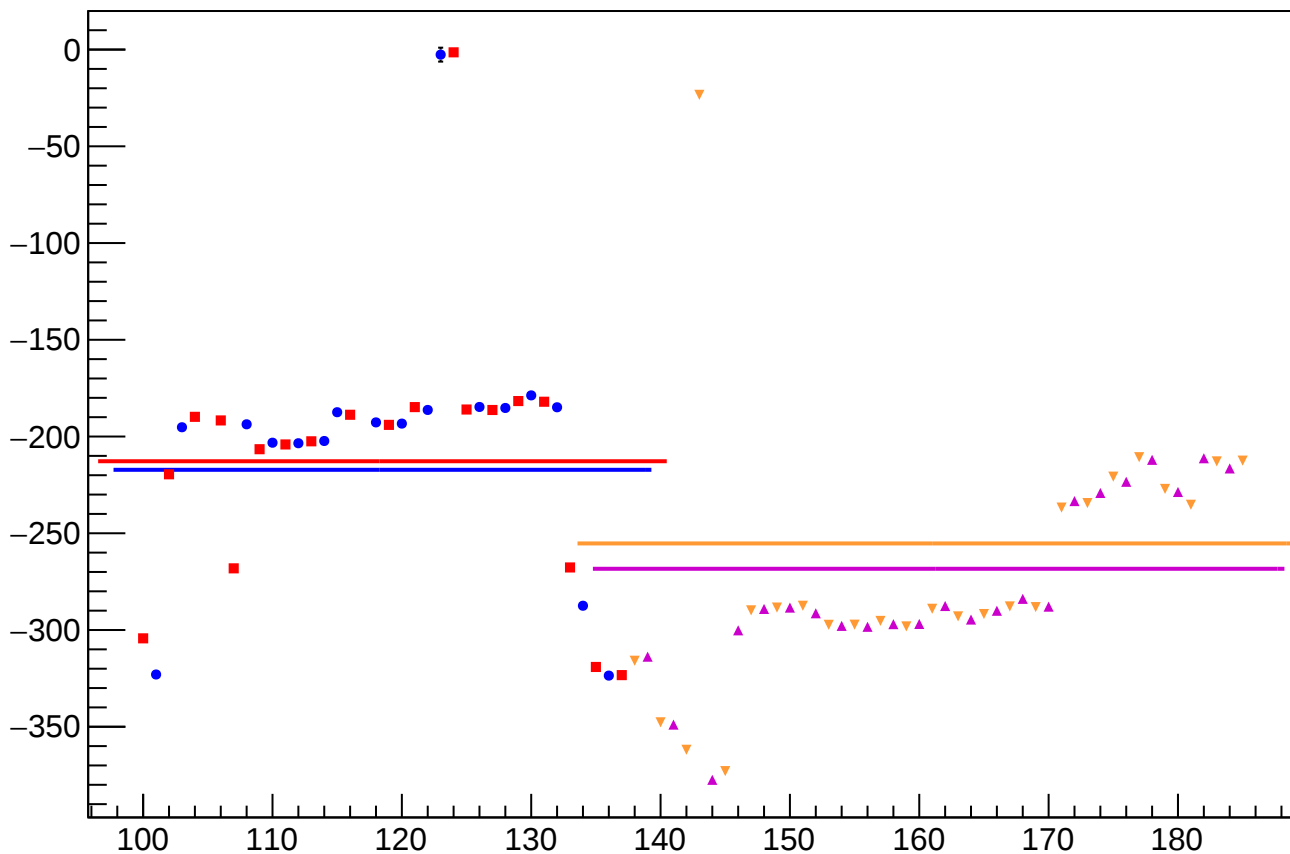
Right: 113.580 $\pm$ 1.570 χ^2 /NDF: 1281.1/35

In: 131.408 $\pm$ 1.398 χ^2 /NDF: 1080.8/39

Out: 122.999 $\pm$ 1.361 χ^2 /NDF: 1440.5/43

All: 127.090 $\pm$ 0.975 χ^2 /NDF: 2539.8/83

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.198+/-0.137 χ^2/NDF : 146444.6/16

Left Out: -255.254+/-0.082 χ^2/NDF : 727884.9/24

Right Out: -212.772+/-0.130 χ^2/NDF : 115507.3/18

Left In: -268.353+/-0.084 χ^2/NDF : 262479.3/22

Left: -261.674+/-0.059 χ^2/NDF : 1002875.3/47

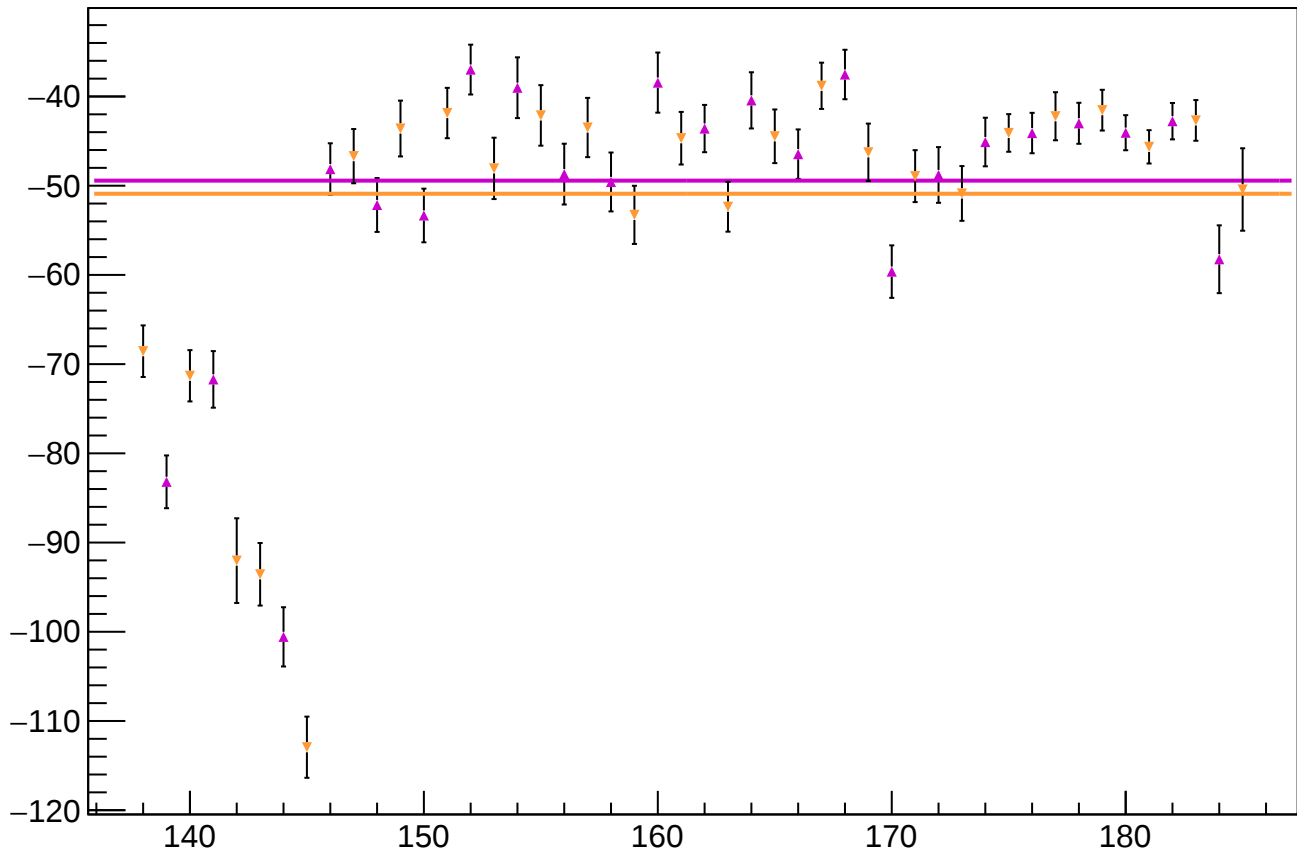
Right: -214.879+/-0.094 χ^2/NDF : 262500.7/35

In: -254.437+/-0.071 χ^2/NDF : 510723.9/39

Out: -243.212+/-0.069 χ^2/NDF : 919497.3/43

All: -248.669+/-0.050 χ^2/NDF : 1442939.0/83

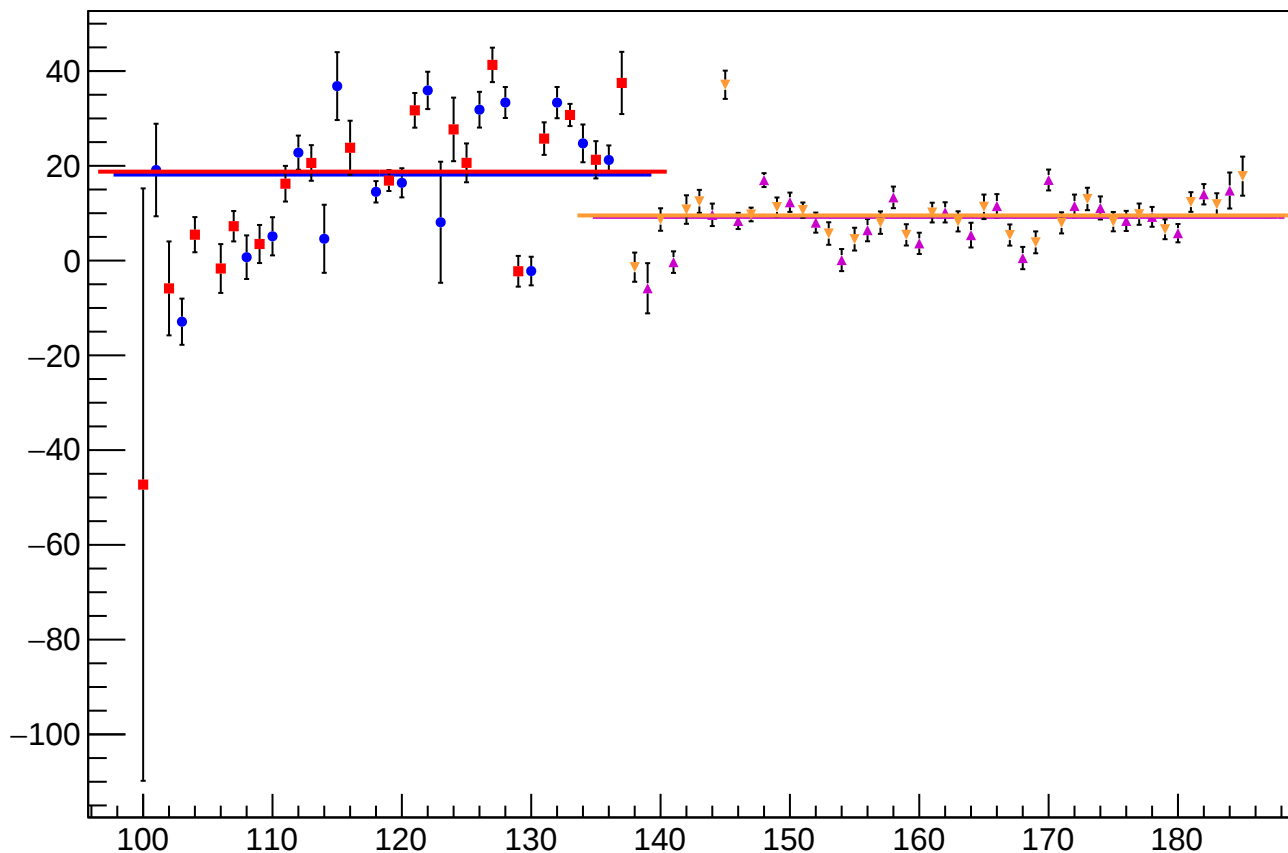
reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -50.903 $\pm$ 0.573 χ^2 /NDF:761.0/24
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -49.432 $\pm$ 0.584 χ^2 /NDF:543.4/22

Left: -50.181 $\pm$ 0.409 χ^2 /NDF: 1307.6/47
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -49.432 $\pm$ 0.584 χ^2 /NDF:543.4/22
 Out: -50.903 $\pm$ 0.573 χ^2 /NDF:761.0/24
 All: -50.181 $\pm$ 0.409 χ^2 /NDF: 1307.6/47

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.157 ± 0.919 χ^2/NDF : 206.6/16

Left Out: 9.527 ± 0.446 χ^2/NDF : 134.3/24

Right Out: 18.770 ± 0.864 χ^2/NDF : 199.0/18

Left In: 9.231 ± 0.462 χ^2/NDF : 124.0/22

Left: 9.384 ± 0.321 χ^2/NDF : 258.4/47

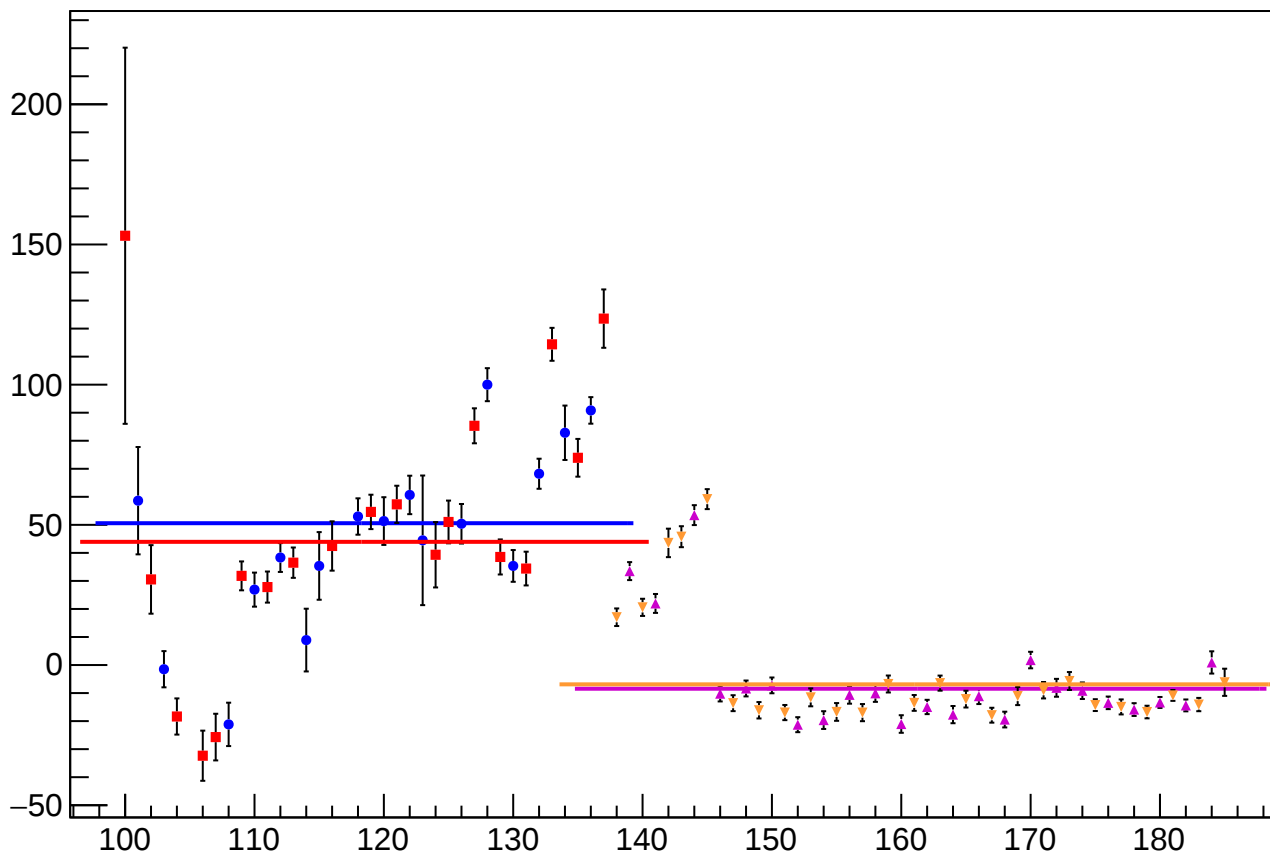
Right: 18.482 ± 0.629 χ^2/NDF : 405.9/35

In: 11.031 ± 0.413 χ^2/NDF : 405.9/39

Out: 11.471 ± 0.396 χ^2/NDF : 423.7/43

All: 11.260 ± 0.286 χ^2/NDF : 830.3/83

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.587 ± 1.681 χ^2/NDF : 361.7/16

Left Out: -6.887 ± 0.571 χ^2/NDF : 914.3/24

Right Out: 43.942 ± 1.605 χ^2/NDF : 533.3/18

Left In: -8.451 ± 0.580 χ^2/NDF : 688.9/22

Left: -7.657 ± 0.407 χ^2/NDF : 1606.9/47

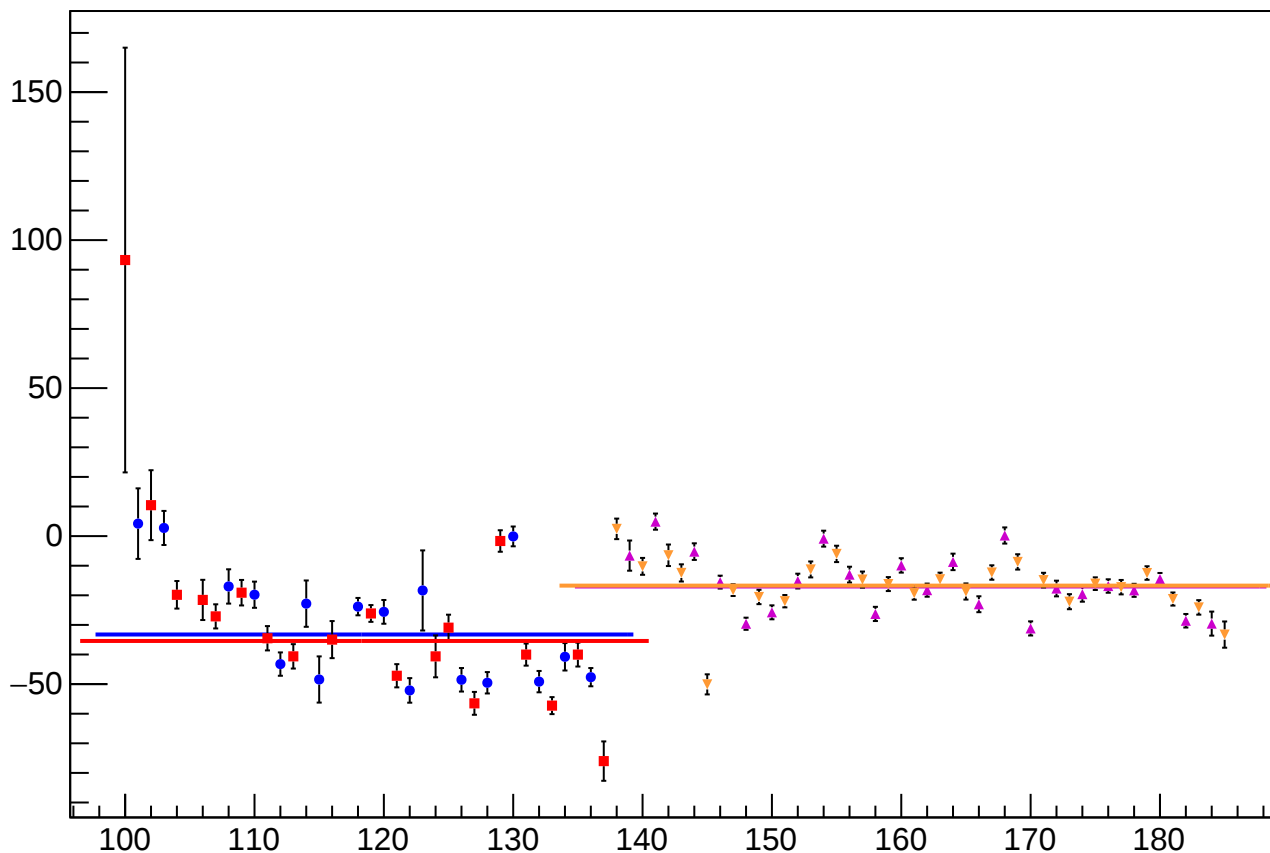
Right: 47.112 ± 1.161 χ^2/NDF : 903.2/35

In: -2.171 ± 0.548 χ^2/NDF : 2153.5/39

Out: -1.176 ± 0.538 χ^2/NDF : 2337.7/43

All: -1.664 ± 0.384 χ^2/NDF : 4492.8/83

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.238 ± 1.045 χ^2/NDF : 291.4/16

Left Out: -16.727 ± 0.507 χ^2/NDF : 223.0/24

Right Out: -35.423 ± 0.993 χ^2/NDF : 289.2/18

Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

Left: -16.870 ± 0.364 χ^2/NDF : 550.7/47

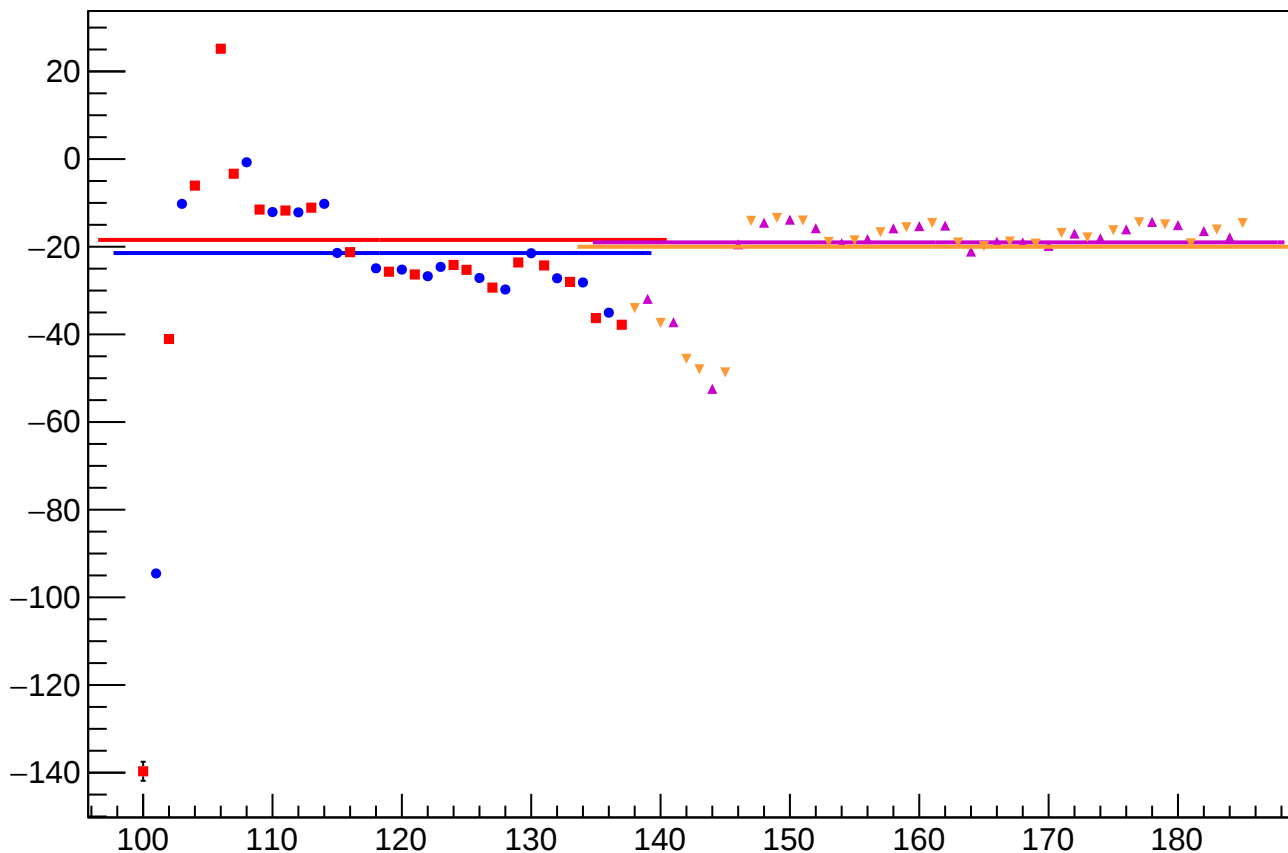
Right: -34.386 ± 0.720 χ^2/NDF : 582.9/35

In: -20.258 ± 0.467 χ^2/NDF : 811.5/39

Out: -20.589 ± 0.451 χ^2/NDF : 793.4/43

All: -20.429 ± 0.325 χ^2/NDF : 1605.2/83

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.439+/-0.059 χ^2/NDF : 48930.7/16

Left Out: -20.007+/-0.023 χ^2/NDF : 145613.1/24

Right Out: -18.442+/-0.057 χ^2/NDF : 80422.3/18

Left In: -19.007+/-0.024 χ^2/NDF : 90873.3/22

Left: -19.515+/-0.017 χ^2/NDF : 237392.1/47

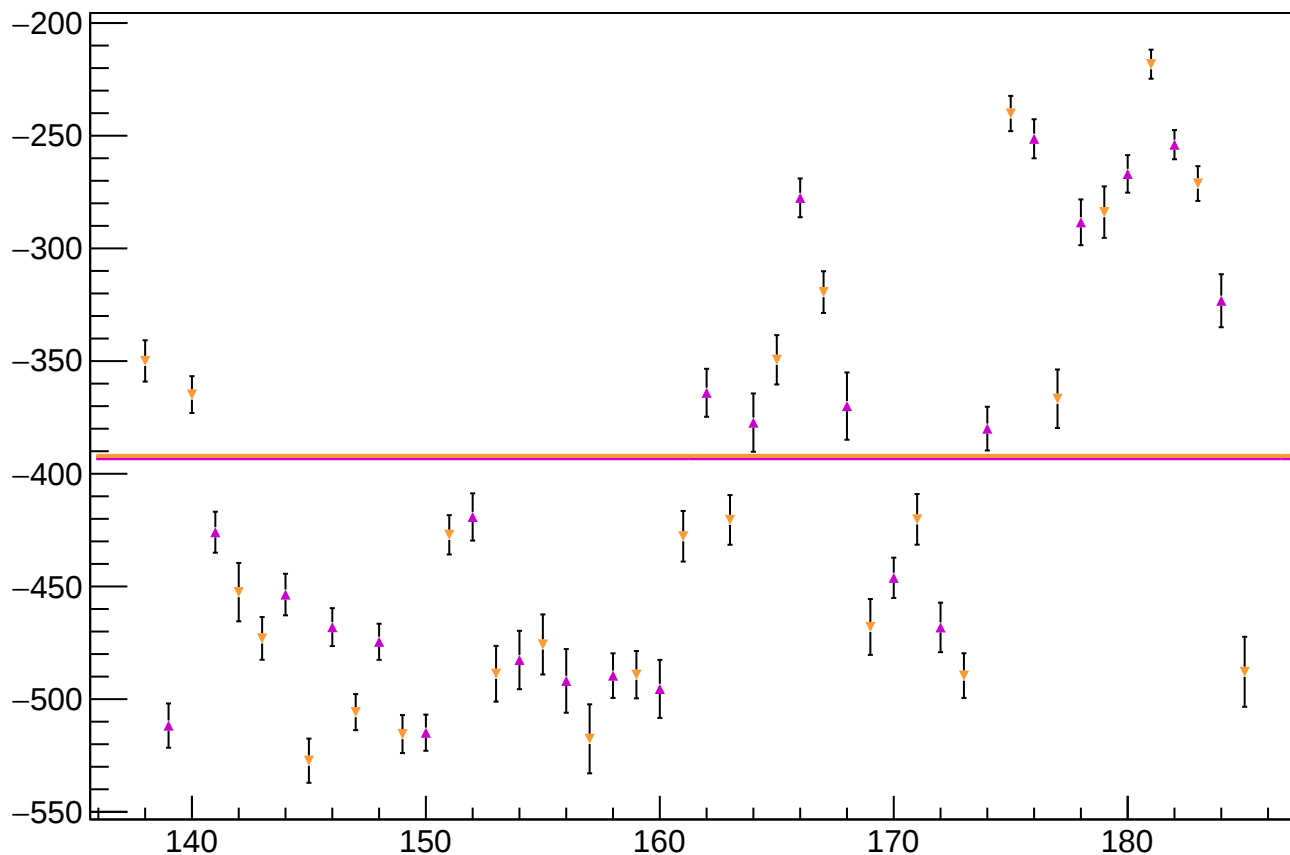
Right: -19.902+/-0.041 χ^2/NDF : 130677.1/35

In: -19.345+/-0.022 χ^2/NDF : 141267.7/39

Out: -19.786+/-0.022 χ^2/NDF : 226672.1/43

All: -19.569+/-0.015 χ^2/NDF : 368145.1/83

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -392.072+/-1.967 χ^2/NDF :2717.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -393.113+/-2.006 χ^2/NDF :2253.3/22

Left: -392.583+/-1.404 χ^2/NDF : 4970.9/47

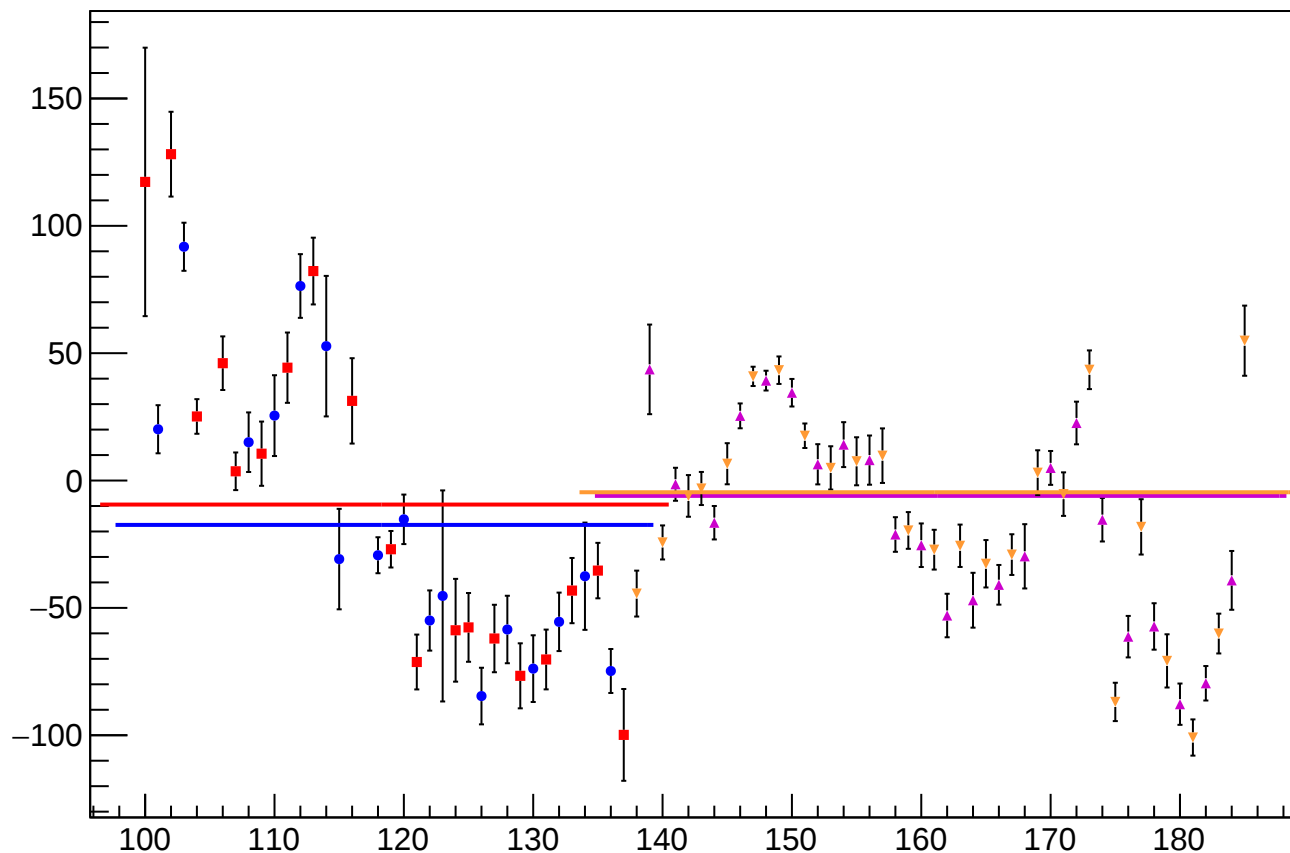
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -393.113+/-2.006 χ^2/NDF :2253.3/22

Out: -392.072+/-1.967 χ^2/NDF :2717.5/24

All: -392.583+/-1.404 χ^2/NDF : 4970.9/47

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.419 ± 2.826 $\chi^2/\text{NDF}: 362.1/16$

Left Out: -4.596 ± 1.462 $\chi^2/\text{NDF}: 771.5/24$

Right Out: -9.431 ± 2.611 $\chi^2/\text{NDF}: 369.3/18$

Left In: -6.019 ± 1.516 $\chi^2/\text{NDF}: 654.1/22$

Left: -5.282 ± 1.053 $\chi^2/\text{NDF}: 1426.1/47$

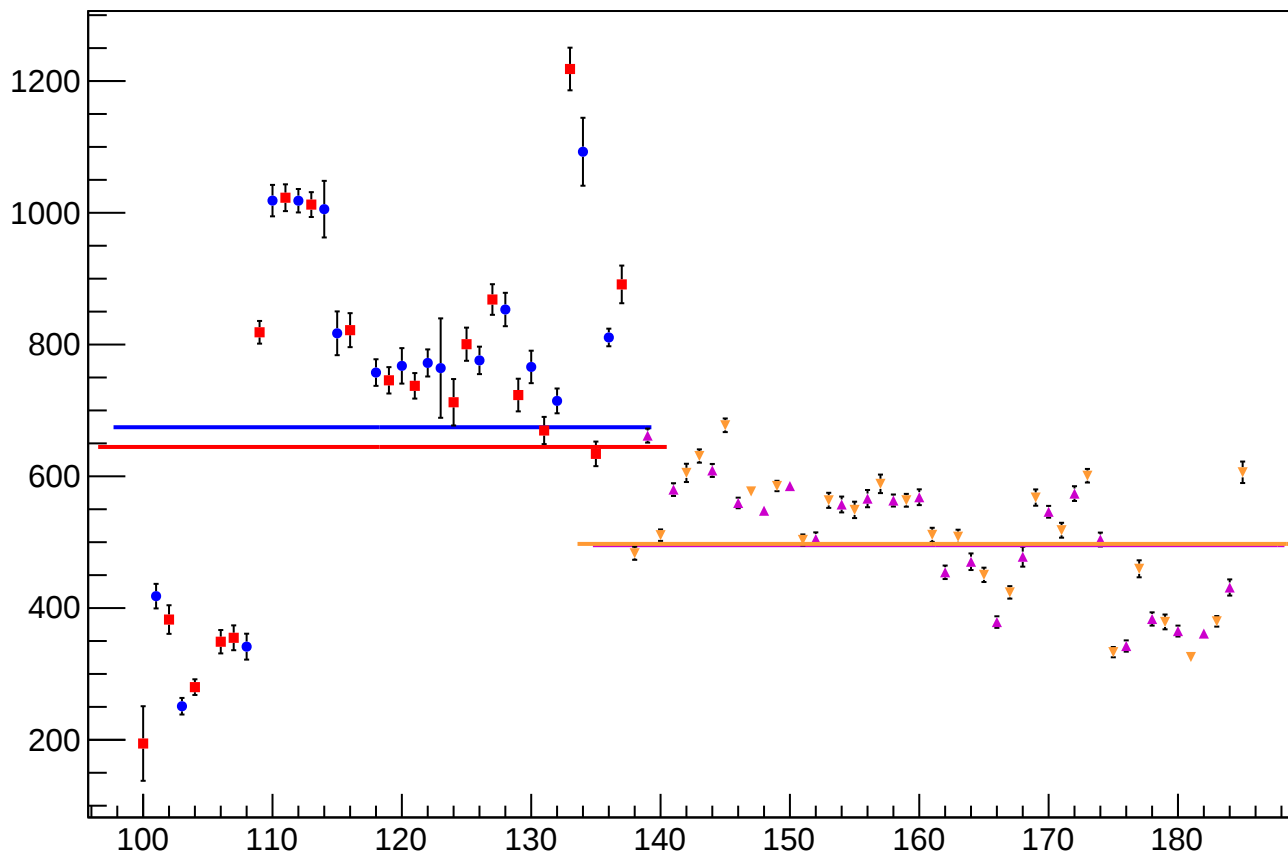
Right: -13.111 ± 1.918 $\chi^2/\text{NDF}: 735.6/35$

In: -8.567 ± 1.336 $\chi^2/\text{NDF}: 1028.8/39$

Out: -5.750 ± 1.276 $\chi^2/\text{NDF}: 1143.4/43$

All: -7.094 ± 0.923 $\chi^2/\text{NDF}: 2174.5/83$

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 674.502 $\pm$ 5.076 χ^2 /NDF: 2580.6/16

Left Out: 497.393 $\pm$ 1.966 χ^2 /NDF:2615.1/24

Right Out: 644.557 $\pm$ 4.767 χ^2 /NDF: 3120.1/18

Left In: 495.454 $\pm$ 1.992 χ^2 /NDF:2253.8/22

Left: 496.436 $\pm$ 1.399 χ^2 /NDF: 4869.4/47

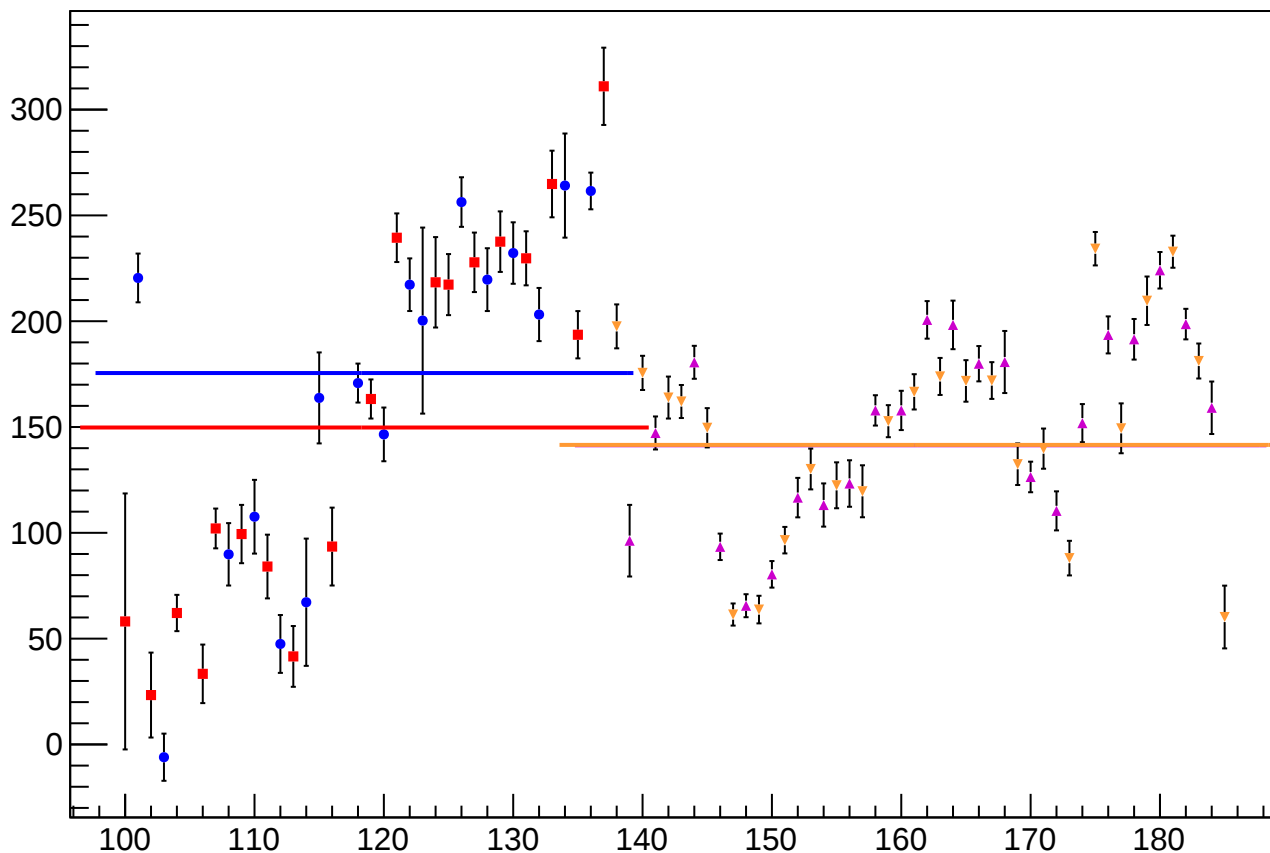
Right: 658.590 $\pm$ 3.475 χ^2 /NDF: 5719.2/35

In: 519.349 $\pm$ 1.854 χ^2 /NDF:5912.4/39

Out: 518.789 $\pm$ 1.818 χ^2 /NDF:6549.6/43

All: 519.064 $\pm$ 1.298 χ^2 /NDF: 12462.1/83

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.509 $\pm$ 3.245 χ^2/NDF : 635.4/16

Left Out: 141.550 $\pm$ 1.699 χ^2/NDF : 958.6/24

Right Out: 149.769 $\pm$ 3.046 χ^2/NDF : 691.2/18

Left In: 141.360 $\pm$ 1.748 χ^2/NDF : 741.2/22

Left: 141.458 $\pm$ 1.218 χ^2/NDF : 1699.8/47

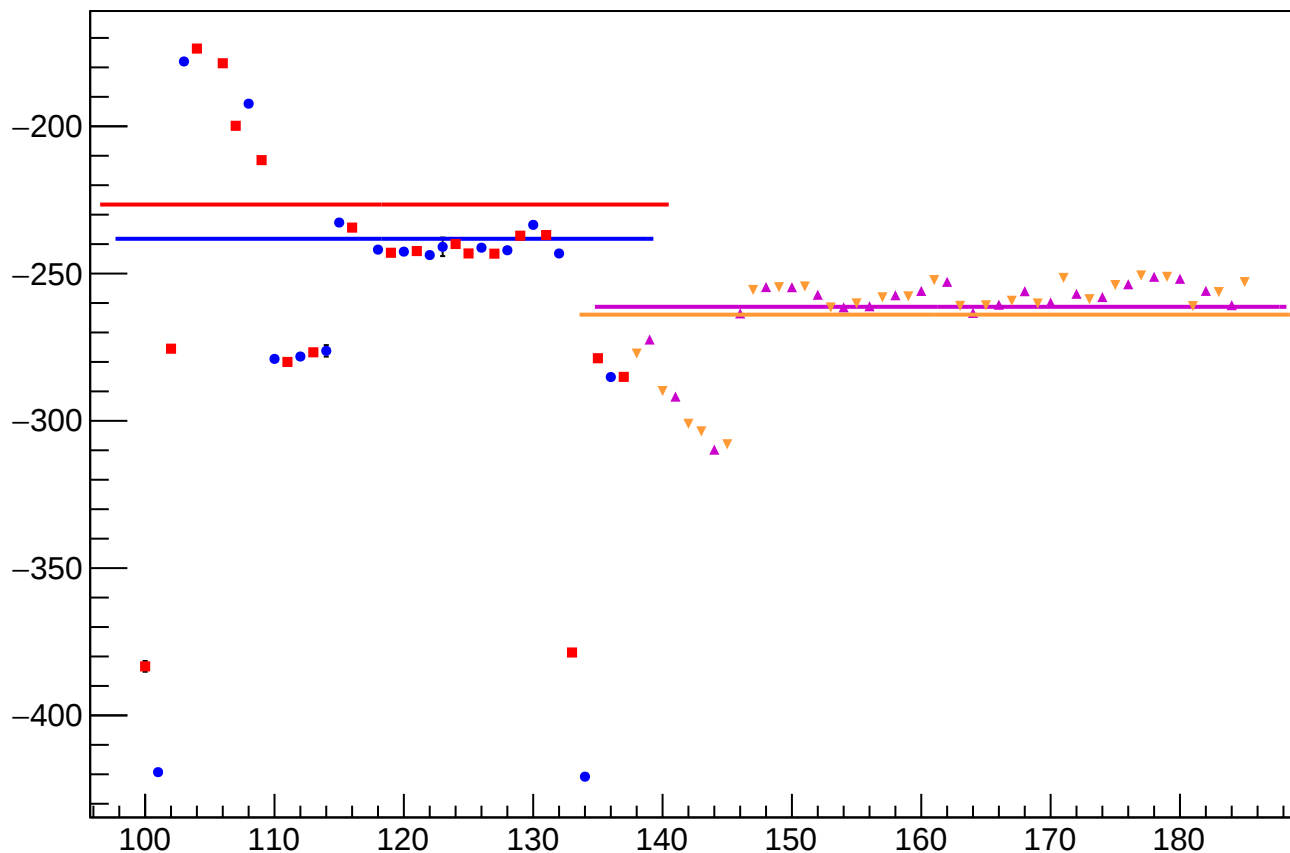
Right: 161.824 $\pm$ 2.221 χ^2/NDF : 1360.1/35

In: 149.039 $\pm$ 1.539 χ^2/NDF : 1462.5/39

Out: 143.499 $\pm$ 1.484 χ^2/NDF : 1655.4/43

All: 146.167 $\pm$ 1.068 χ^2/NDF : 3124.6/83

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.191+/-0.161 χ^2/NDF : 167088.3/16

Left Out: -263.946+/-0.081 χ^2/NDF : 39081.7/24

Right Out: -226.567+/-0.151 χ^2/NDF : 102539.6/18

Left In: -261.286+/-0.082 χ^2/NDF : 23348.4/22

Left: -262.628+/-0.058 χ^2/NDF : 62961.1/47

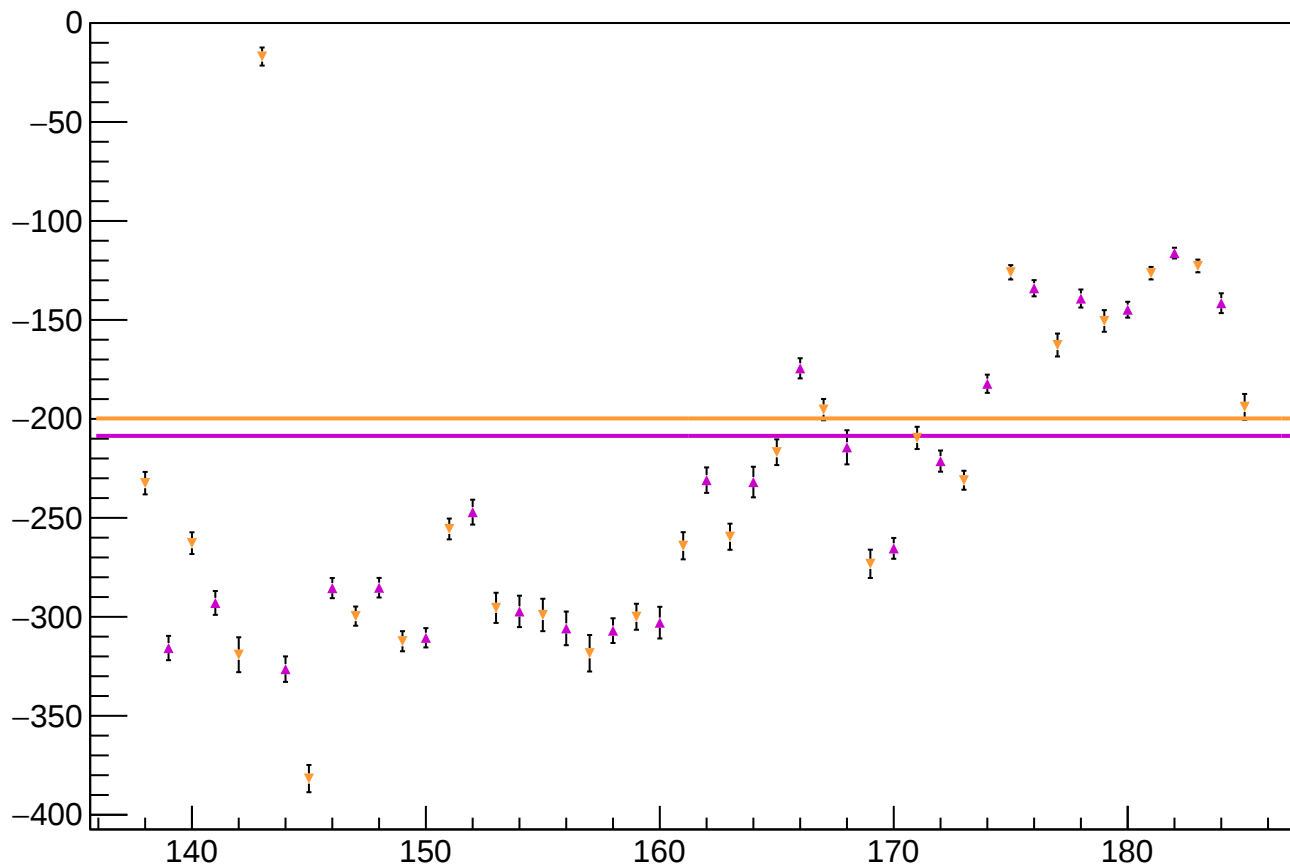
Right: -232.034+/-0.110 χ^2/NDF : 272402.4/35

In: -256.513+/-0.073 χ^2/NDF : 206842.3/39

Out: -255.580+/-0.072 χ^2/NDF : 188977.5/43

All: -256.037+/-0.051 χ^2/NDF : 395903.1/83

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -199.771+/-1.061 χ^2/NDF : 6360.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -208.579+/-1.082 χ^2/NDF : 4805.1/22

Left: -204.090+/-0.758 χ^2/NDF : 11199.7/47

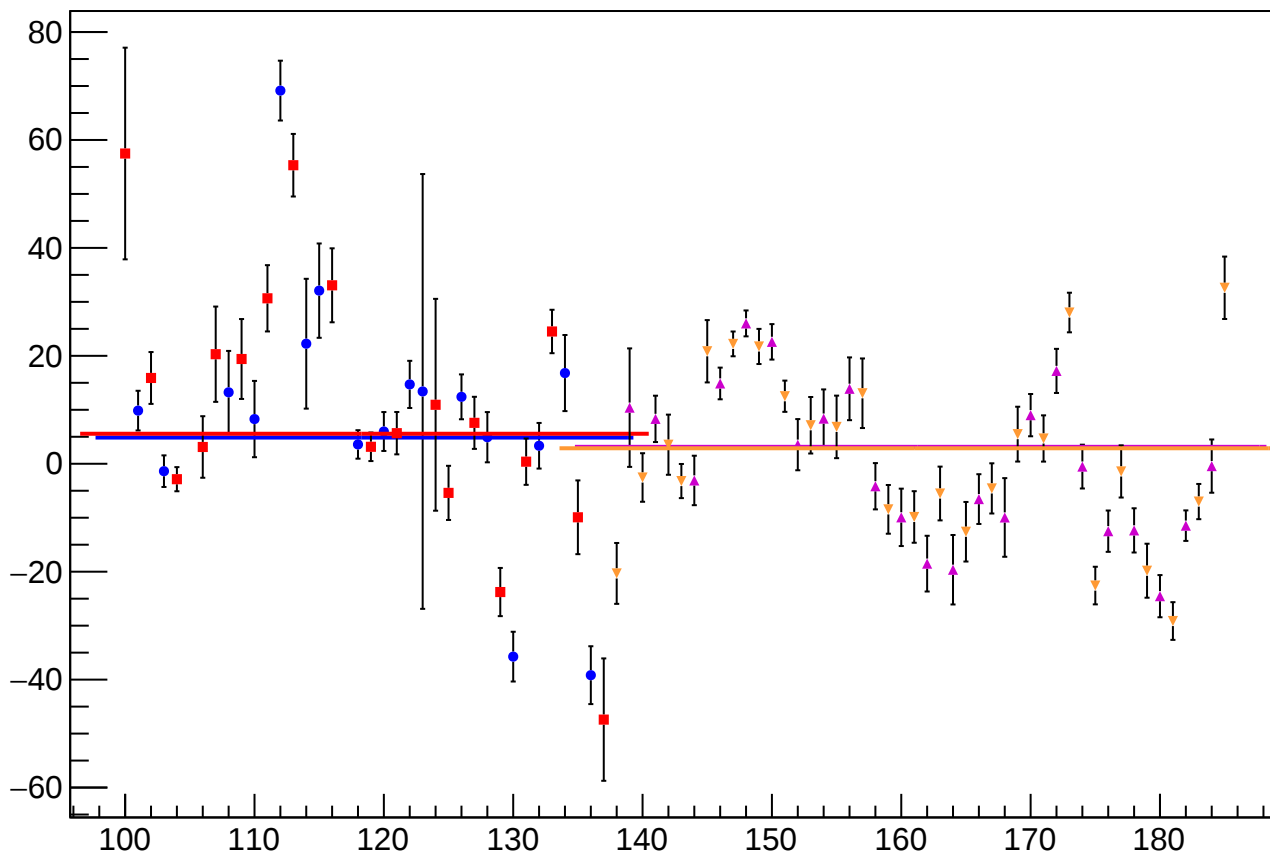
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -208.579+/-1.082 χ^2/NDF : 4805.1/22

Out: -199.771+/-1.061 χ^2/NDF : 6360.8/24

All: -204.090+/-0.758 χ^2/NDF : 11199.7/47

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.855 ± 1.107 χ^2/NDF : 310.9/16

Left Out: 2.871 ± 0.820 χ^2/NDF : 419.3/24

Right Out: 5.561 ± 1.070 χ^2/NDF : 238.3/18

Left In: 3.136 ± 0.857 χ^2/NDF : 319.8/22

Left: 2.998 ± 0.592 χ^2/NDF : 739.2/47

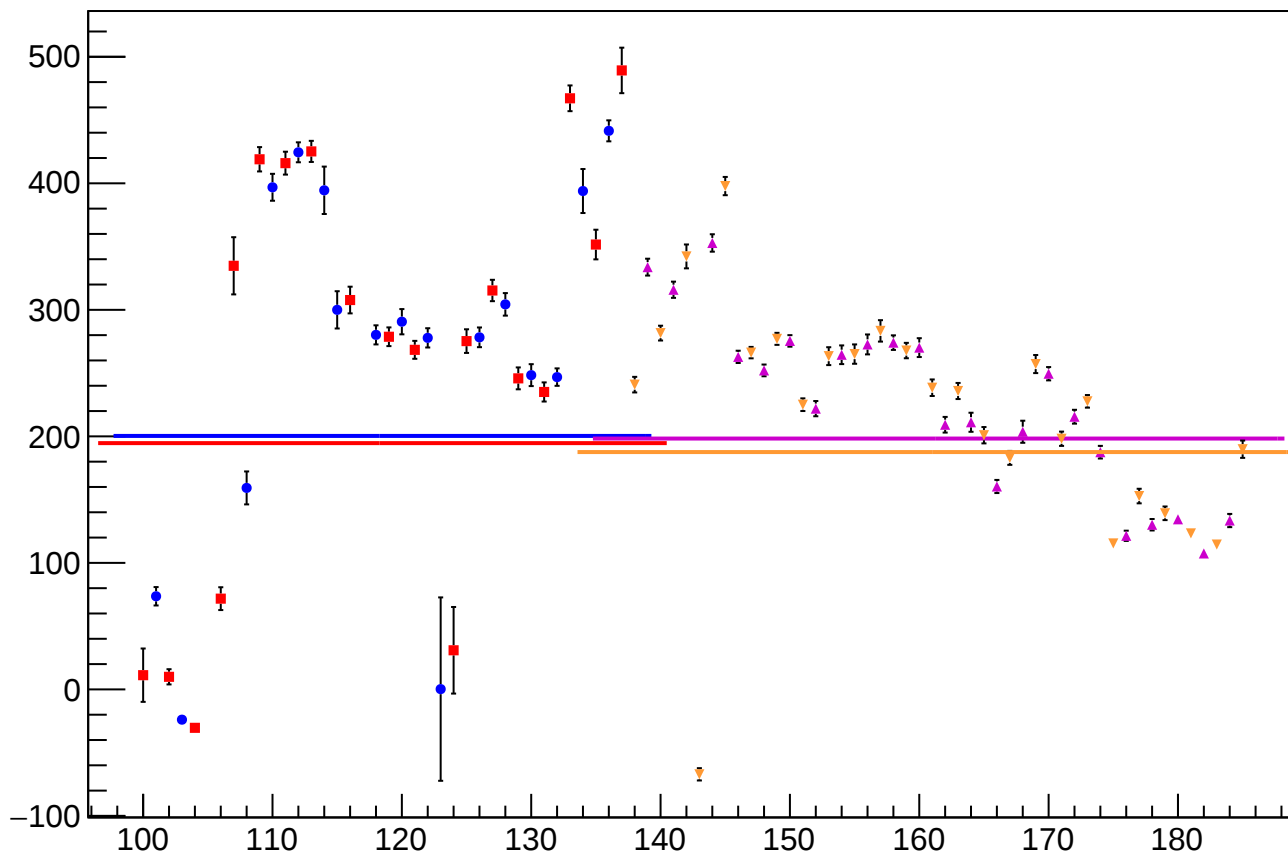
Right: 5.220 ± 0.769 χ^2/NDF : 549.4/35

In: 3.780 ± 0.678 χ^2/NDF : 632.2/39

Out: 3.866 ± 0.651 χ^2/NDF : 661.6/43

All: 3.825 ± 0.469 χ^2/NDF : 1293.9/83

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.347 $\pm$ 1.987 χ^2 /NDF: 6717.6/16

Left Out: 187.590 $\pm$ 1.066 χ^2 /NDF: 7081.6/24

Right Out: 194.656 $\pm$ 1.927 χ^2 /NDF: 8242.8/18

Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

Left: 192.853 $\pm$ 0.759 χ^2 /NDF: 11646.8/47

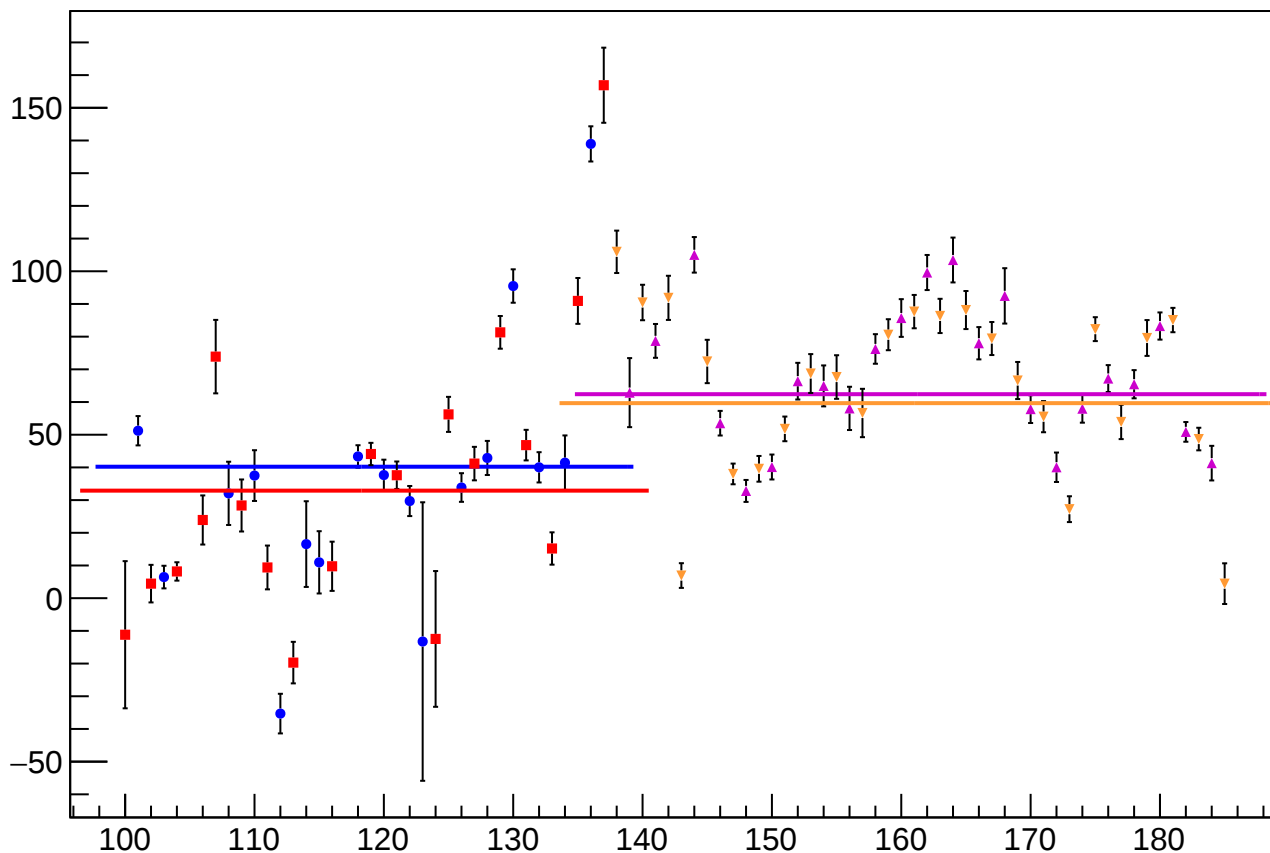
Right: 197.414 $\pm$ 1.383 χ^2 /NDF: 14964.6/35

In: 198.744 $\pm$ 0.950 χ^2 /NDF: 11234.2/39

Out: 189.247 $\pm$ 0.933 χ^2 /NDF: 15334.6/43

All: 193.909 $\pm$ 0.666 χ^2 /NDF: 26619.7/83

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.214 $\pm$ 1.286 χ^2/NDF : 733.9/16

Left Out: 59.660 $\pm$ 0.941 χ^2/NDF : 758.2/24

Right Out: 32.898 $\pm$ 1.252 χ^2/NDF : 549.8/18

Left In: 62.400 $\pm$ 0.974 χ^2/NDF : 406.3/22

Left: 60.982 $\pm$ 0.677 χ^2/NDF : 1168.5/47

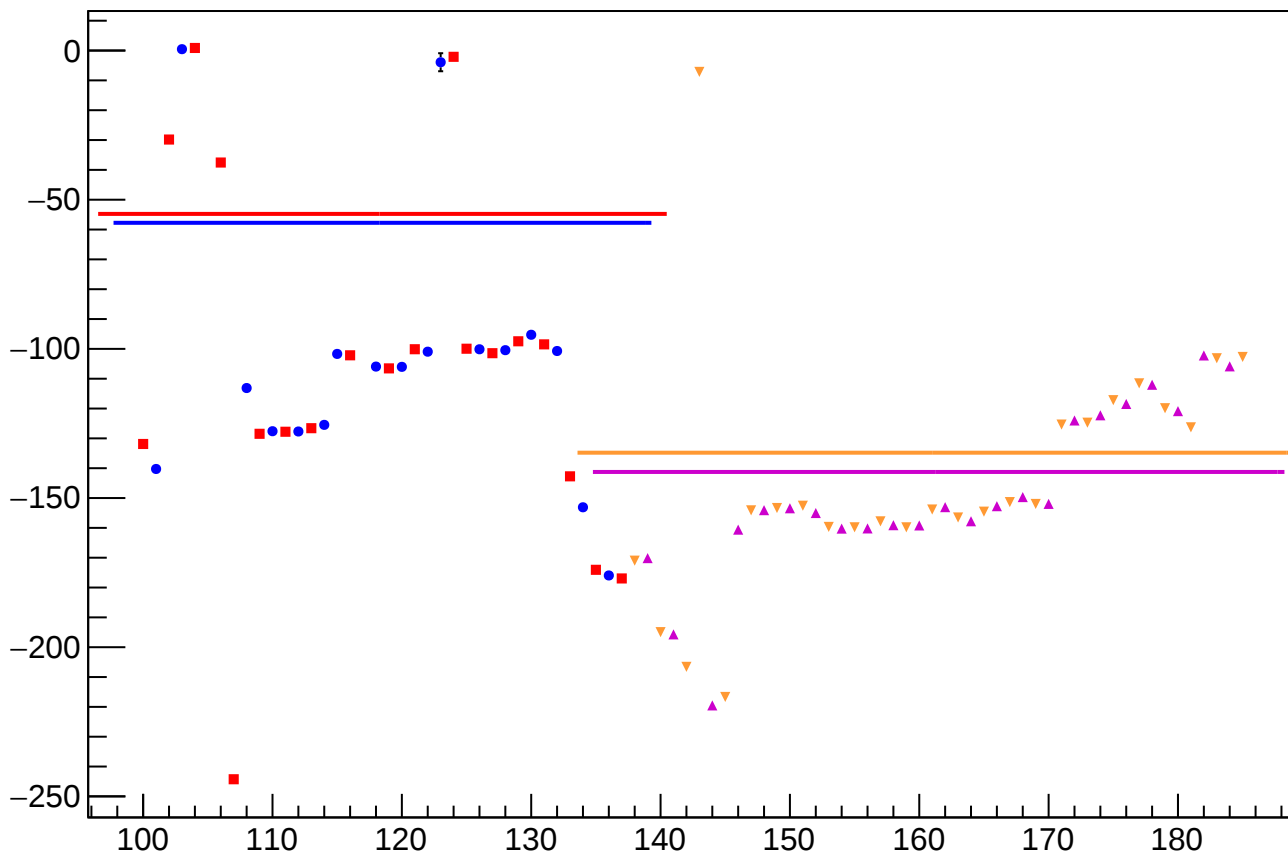
Right: 36.460 $\pm$ 0.897 χ^2/NDF : 1300.3/35

In: 54.308 $\pm$ 0.776 χ^2/NDF : 1329.4/39

Out: 50.007 $\pm$ 0.752 χ^2/NDF : 1599.8/43

All: 52.089 $\pm$ 0.540 χ^2/NDF : 2945.0/83

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.743+/-0.062 χ^2/NDF : 1100251.3/16

Left Out: -134.799+/-0.045 χ^2/NDF : 804441.9/24

Right Out: -54.758+/-0.060 χ^2/NDF : 999720.2/18

Left In: -141.255+/-0.045 χ^2/NDF : 347229.8/22

Left: -137.971+/-0.032 χ^2/NDF : 1162008.3/47

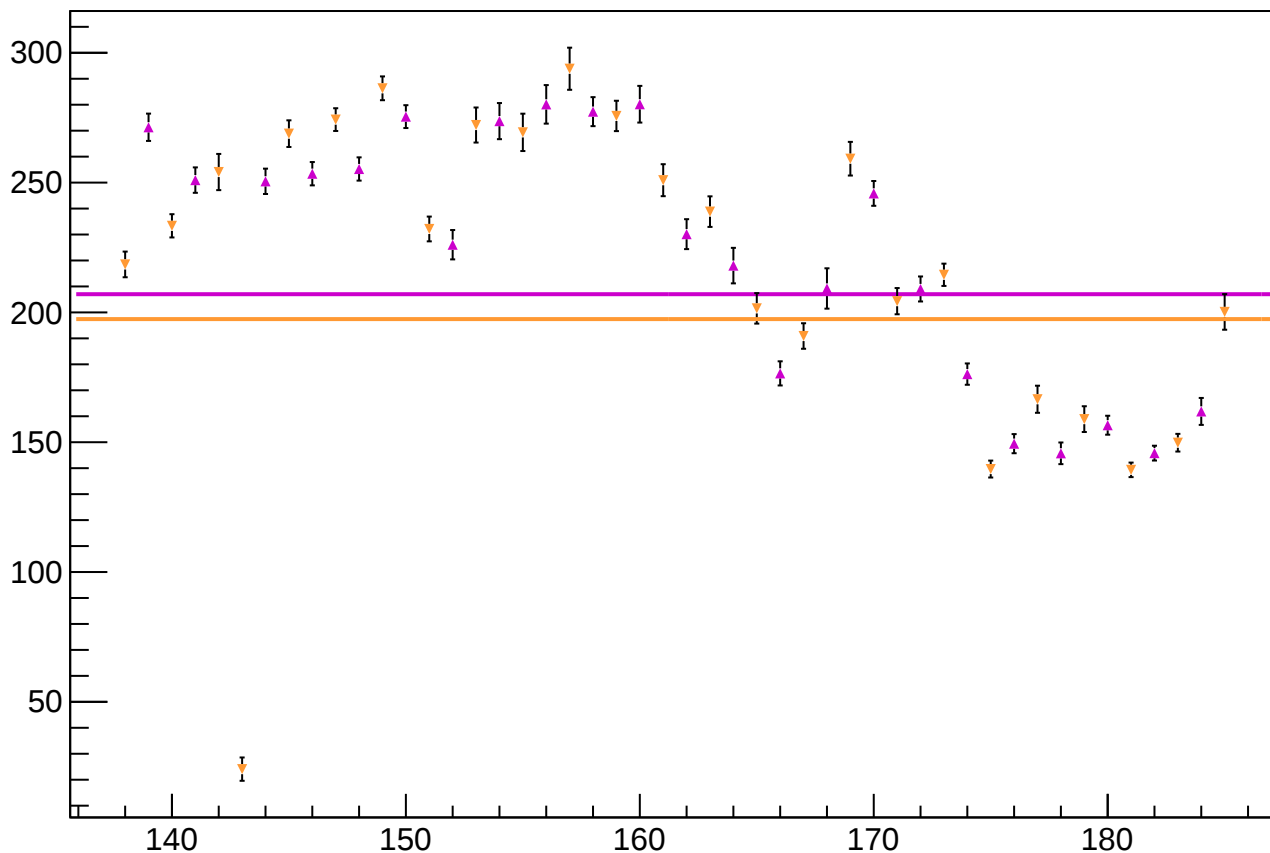
Right: -56.212+/-0.043 χ^2/NDF : 2101166.3/35

In: -112.098+/-0.037 χ^2/NDF : 2634569.1/39

Out: -106.551+/-0.036 χ^2/NDF : 2945117.6/43

All: -109.268+/-0.026 χ^2/NDF : 5591441.5/83

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 197.424+/-0.963 χ^2/NDF :4383.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 207.014+/-0.990 χ^2/NDF :2611.5/22

Left: 202.086+/-0.690 χ^2/NDF : 7043.4/47

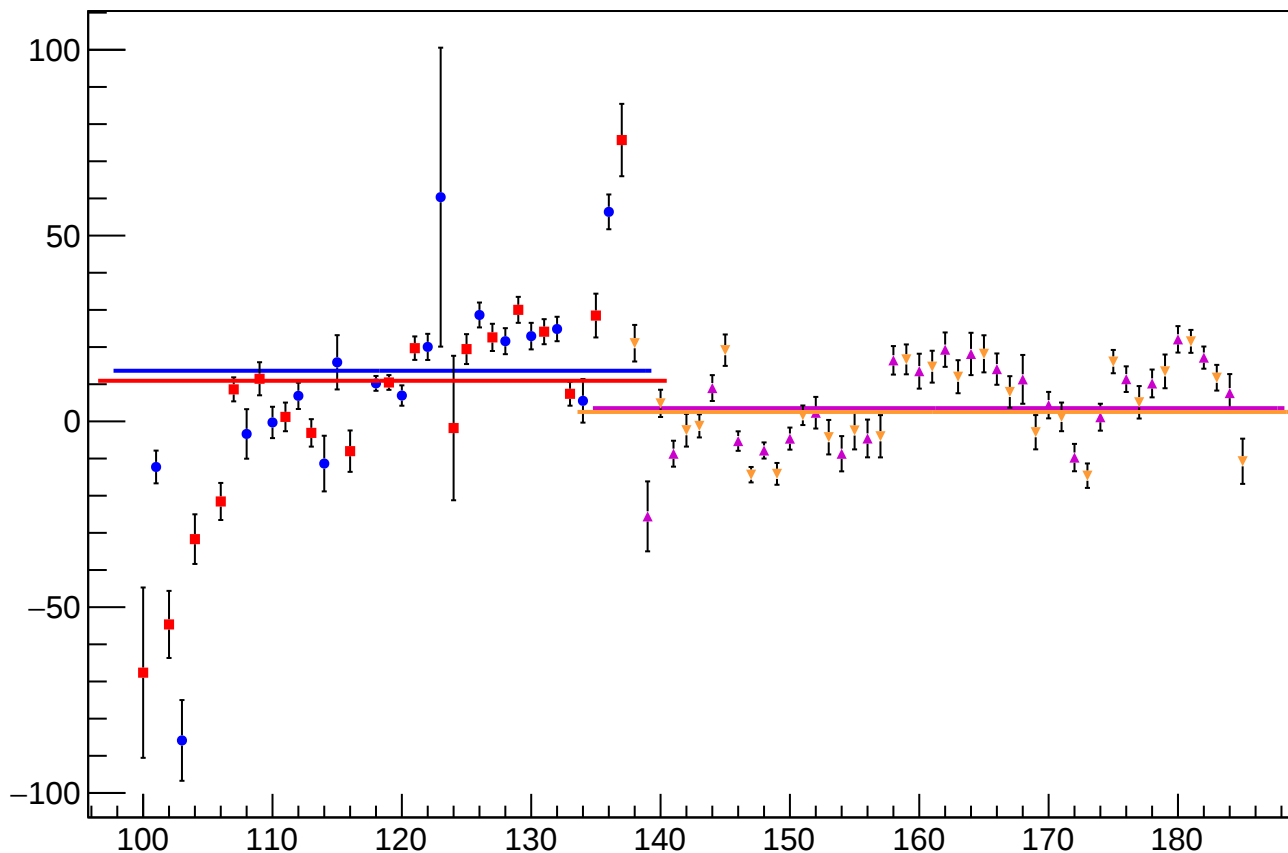
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 207.014+/-0.990 χ^2/NDF :2611.5/22

Out: 197.424+/-0.963 χ^2/NDF :4383.7/24

All: 202.086+/-0.690 χ^2/NDF : 7043.4/47

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.625 ± 0.938 χ^2/NDF : 293.3/16

Left Out: 2.539 ± 0.741 χ^2/NDF : 275.2/24

Right Out: 10.927 ± 0.915 χ^2/NDF : 302.8/18

Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

Left: 3.027 ± 0.535 χ^2/NDF : 468.0/47

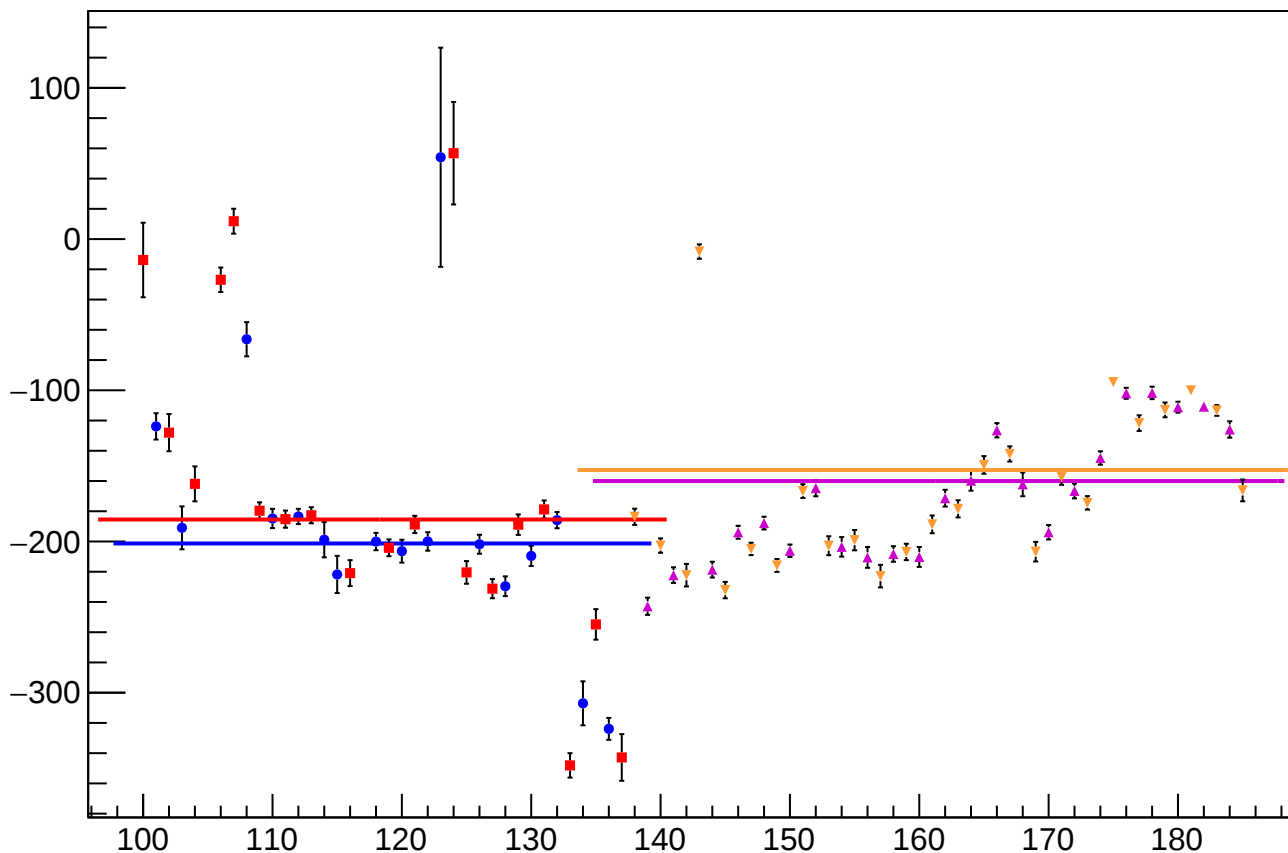
Right: 12.242 ± 0.655 χ^2/NDF : 600.3/35

In: 7.637 ± 0.597 χ^2/NDF : 553.7/39

Out: 5.862 ± 0.576 χ^2/NDF : 628.7/43

All: 6.717 ± 0.414 χ^2/NDF : 1187.0/83

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.316 ± 1.800 χ^2/NDF : 624.9/16

Left Out: -152.750 ± 0.967 χ^2/NDF : 3077.5/24

Right Out: -185.469 ± 1.703 χ^2/NDF : 1745.0/18

Left In: -160.021 ± 0.989 χ^2/NDF : 2024.4/22

Left: -156.306 ± 0.691 χ^2/NDF : 5129.6/47

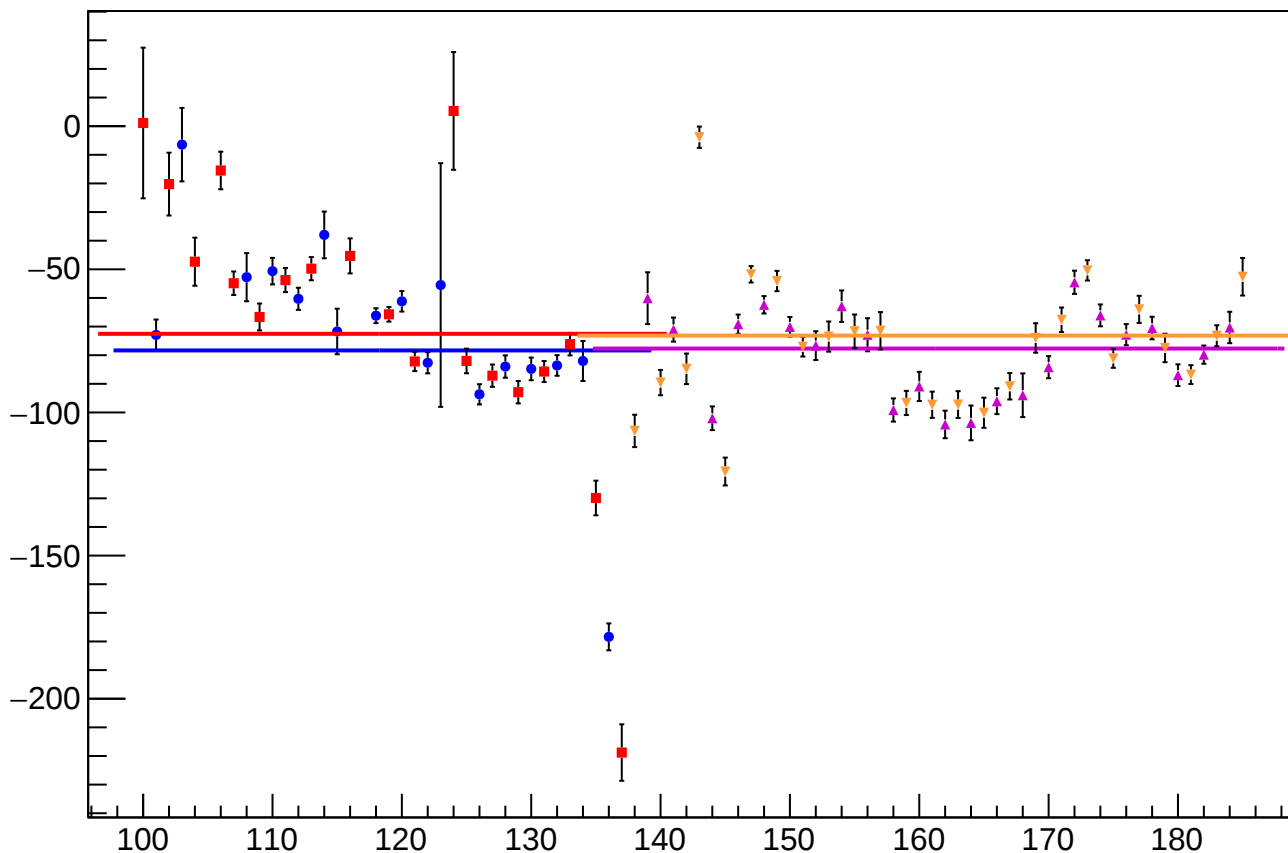
Right: -192.954 ± 1.237 χ^2/NDF : 2410.8/35

In: -169.595 ± 0.867 χ^2/NDF : 3053.7/39

Out: -160.732 ± 0.841 χ^2/NDF : 5101.7/43

All: -165.031 ± 0.603 χ^2/NDF : 8209.3/83

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.334 ± 1.084 χ^2/NDF : 649.9/16

Left Out: -73.155 ± 0.851 χ^2/NDF : 788.6/24

Right Out: -72.531 ± 1.054 χ^2/NDF : 605.5/18

Left In: -77.678 ± 0.883 χ^2/NDF : 248.3/22

Left: -75.334 ± 0.613 χ^2/NDF : 1050.5/47

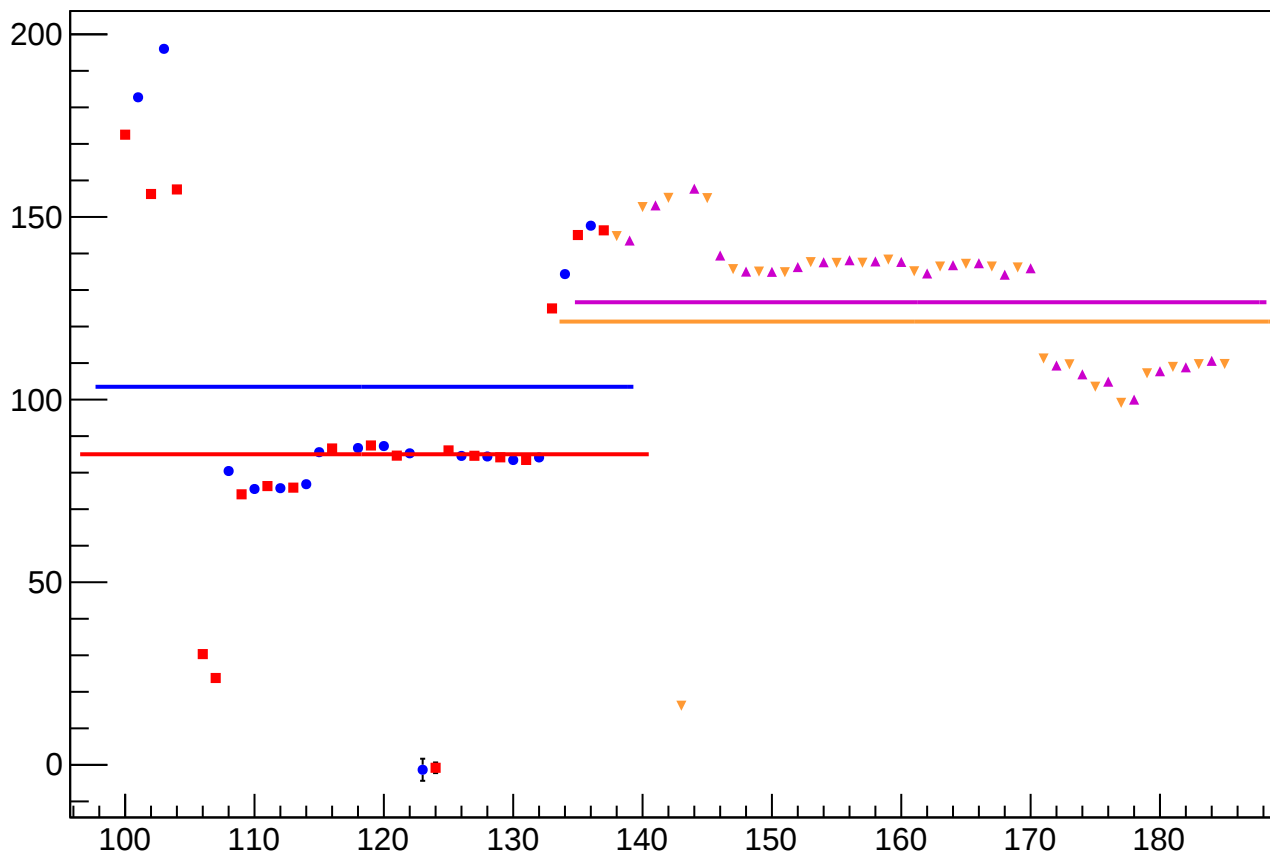
Right: -75.351 ± 0.756 χ^2/NDF : 1270.1/35

In: -77.939 ± 0.684 χ^2/NDF : 898.3/39

Out: -72.909 ± 0.662 χ^2/NDF : 1394.3/43

All: -75.341 ± 0.476 χ^2/NDF : 2320.5/83

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.509 $\pm$ 0.071 χ^2 /NDF: 272499.7/16

Left Out: 121.360 $\pm$ 0.040 χ^2 /NDF: 481946.4/24

Right Out: 85.036 $\pm$ 0.064 χ^2 /NDF: 422344.8/18

Left In: 126.653 $\pm$ 0.041 χ^2 /NDF: 163046.1/22

Left: 123.957 $\pm$ 0.029 χ^2 /NDF: 653448.7/47

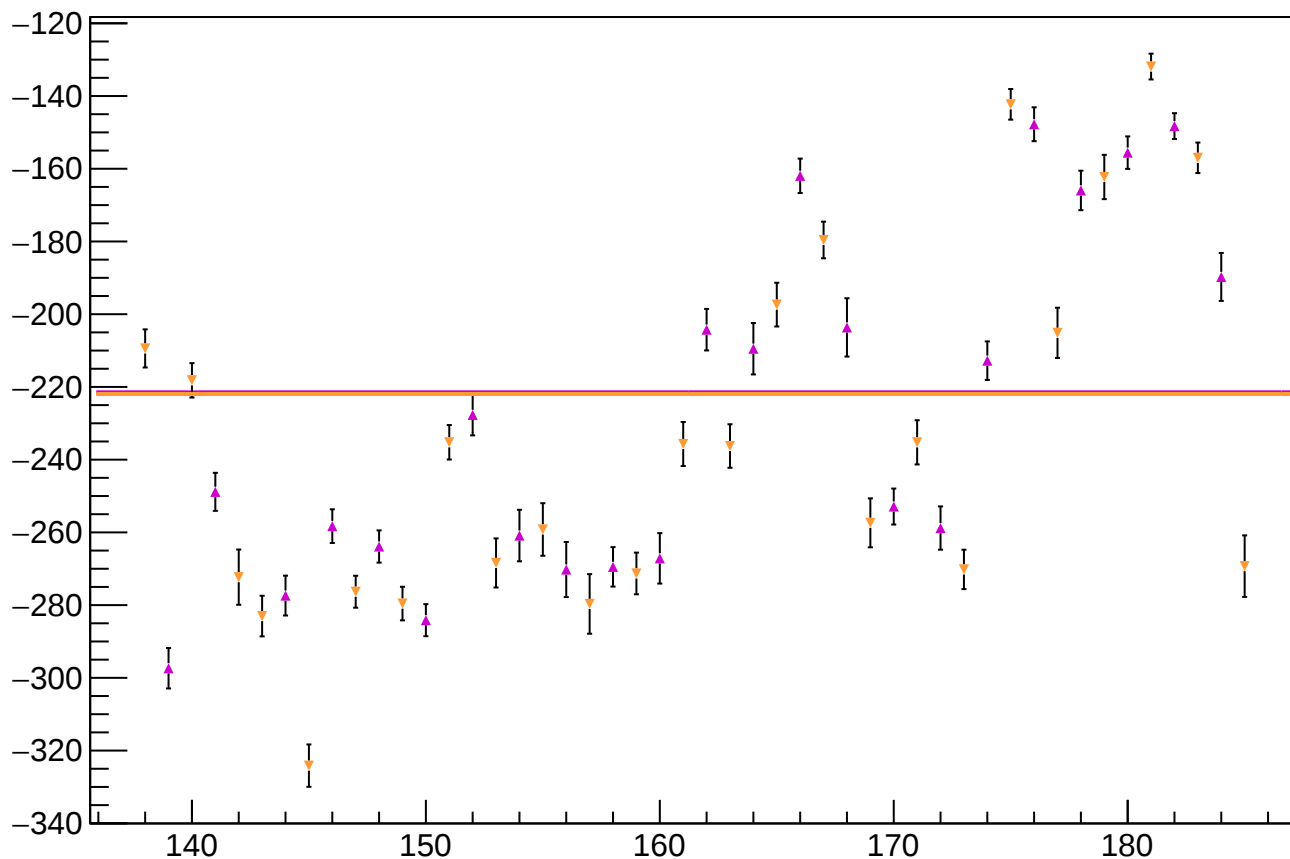
Right: 93.292 $\pm$ 0.047 χ^2 /NDF: 732275.0/35

In: 120.850 $\pm$ 0.036 χ^2 /NDF: 515138.2/39

Out: 111.004 $\pm$ 0.034 χ^2 /NDF: 1135787.9/43

All: 115.719 $\pm$ 0.025 χ^2 /NDF: 1690891.9/83

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -221.946+/-1.085 χ^2/NDF :2578.5/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -221.483+/-1.102 χ^2/NDF :2149.8/22

Left: -221.718+/-0.773 χ^2/NDF : 4728.4/47

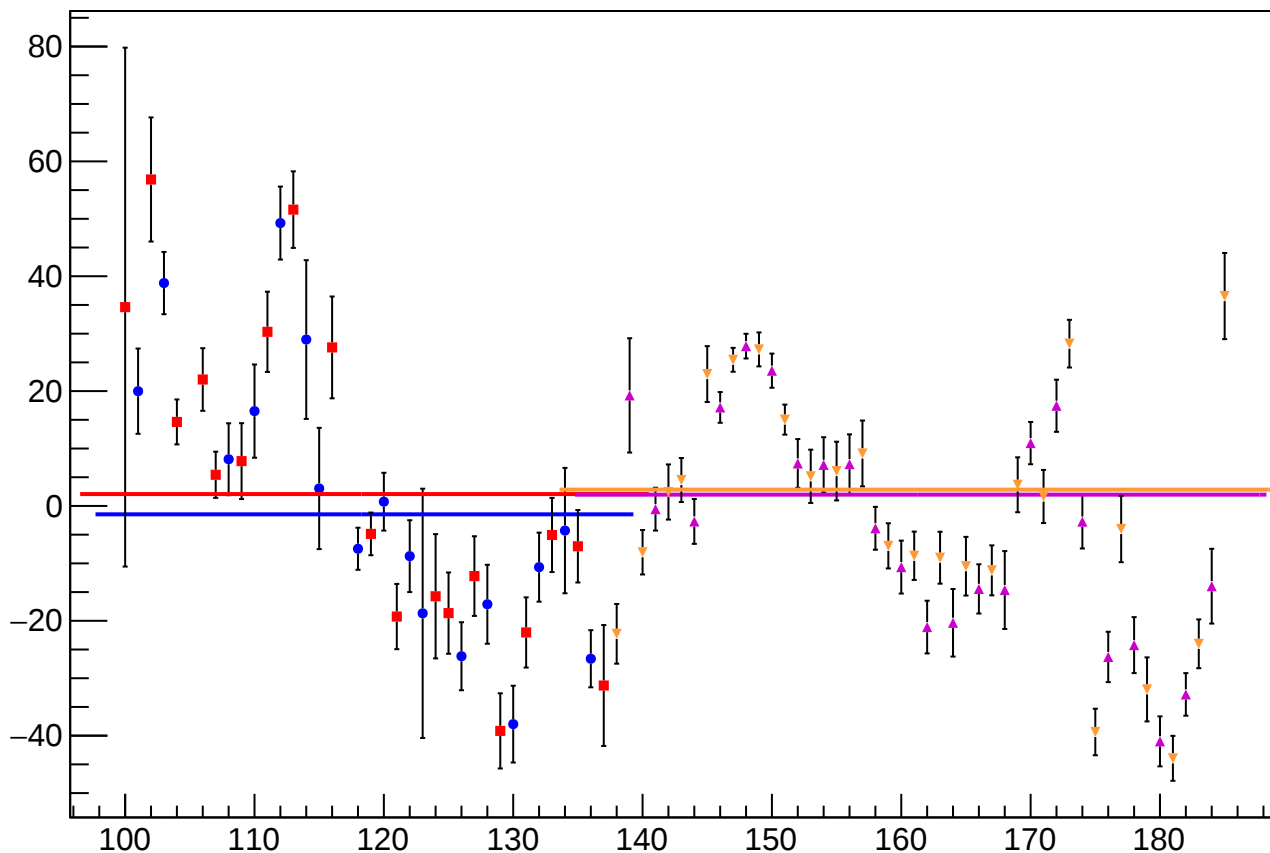
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -221.483+/-1.102 χ^2/NDF :2149.8/22

Out: -221.946+/-1.085 χ^2/NDF :2578.5/24

All: -221.718+/-0.773 χ^2/NDF : 4728.4/47

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.459 ± 1.539 χ^2/NDF : 224.8/16

Left Out: 2.846 ± 0.807 χ^2/NDF : 685.9/24

Right Out: 2.070 ± 1.401 χ^2/NDF : 232.8/18

Left In: 1.969 ± 0.835 χ^2/NDF : 589.1/22

Left: 2.422 ± 0.580 χ^2/NDF : 1275.5/47

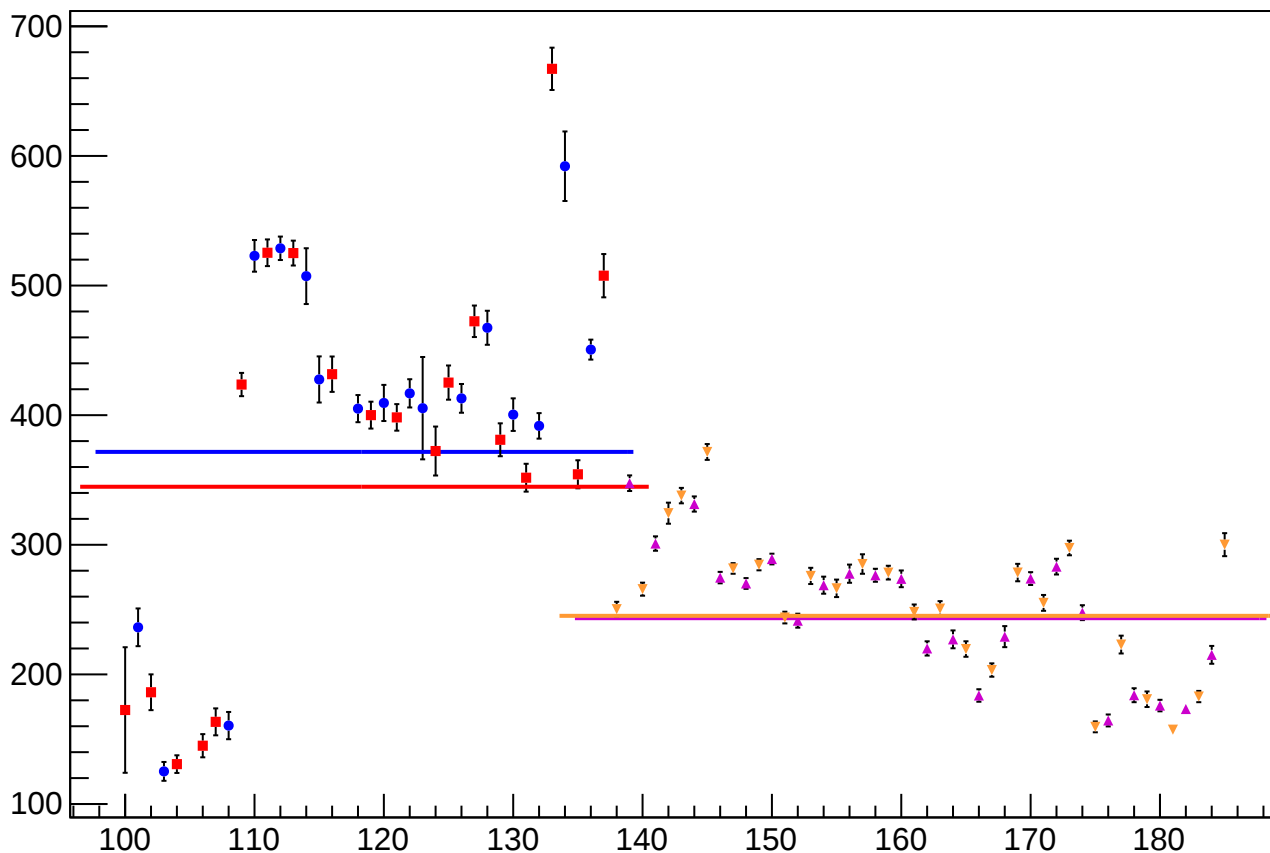
Right: 0.471 ± 1.036 χ^2/NDF : 460.5/35

In: 1.190 ± 0.734 χ^2/NDF : 817.7/39

Out: 2.652 ± 0.699 χ^2/NDF : 918.9/43

All: 1.956 ± 0.506 χ^2/NDF : 1738.7/83

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.672 $\pm$ 2.783 χ^2 /NDF: 2430.1/16

Left Out: 245.186 $\pm$ 1.082 χ^2 /NDF:2597.9/24

Right Out: 344.775 $\pm$ 2.565 χ^2 /NDF: 3412.6/18

Left In: 243.366 $\pm$ 1.094 χ^2 /NDF:2236.7/22

Left: 244.285 $\pm$ 0.769 χ^2 /NDF: 4836.0/47

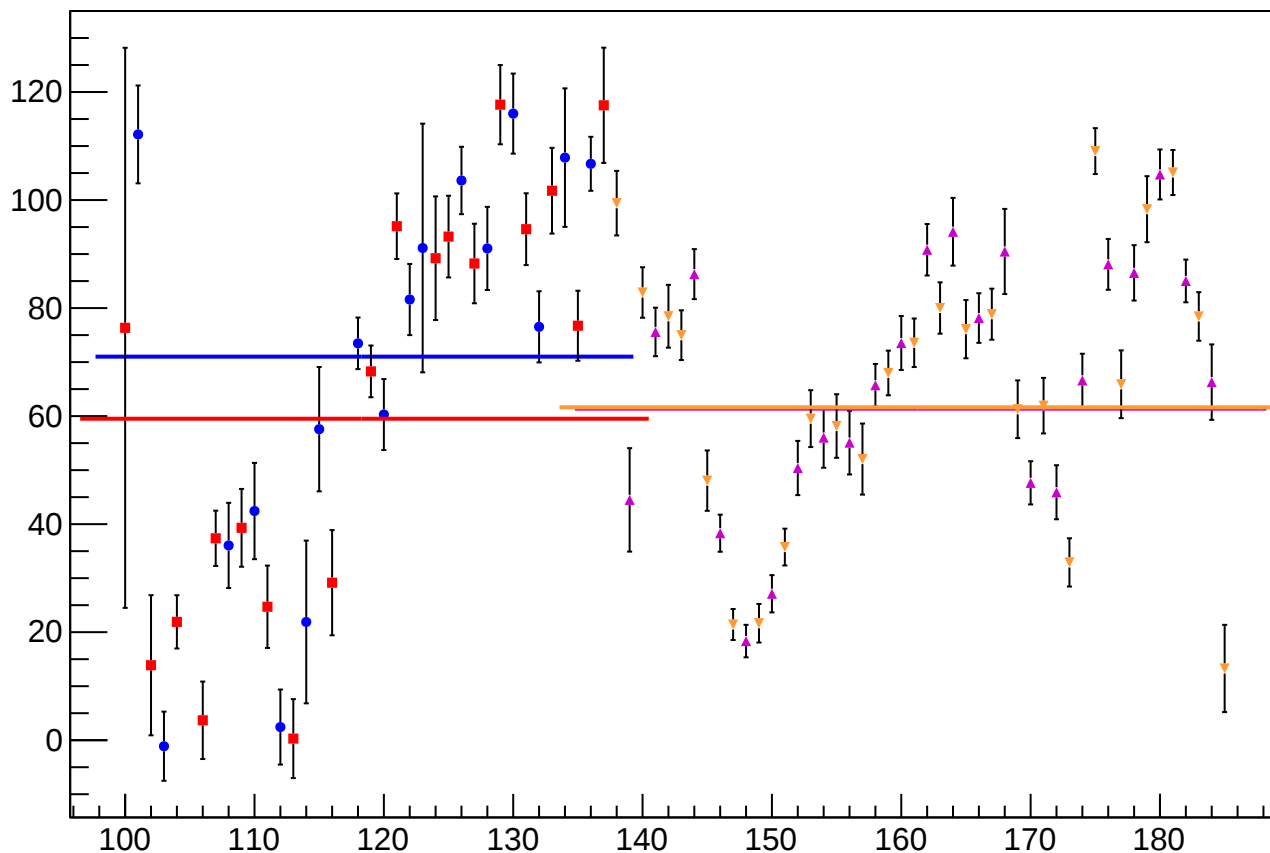
Right: 357.130 $\pm$ 1.886 χ^2 /NDF: 5893.2/35

In: 260.528 $\pm$ 1.018 χ^2 /NDF:6507.8/39

Out: 260.231 $\pm$ 0.997 χ^2 /NDF:7289.8/43

All: 260.376 $\pm$ 0.712 χ^2 /NDF: 13797.7/83

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.009 $\pm$ 1.768 χ^2 /NDF: 424.1/16

Left Out: 61.630 $\pm$ 0.936 χ^2 /NDF: 870.9/24

Right Out: 59.517 $\pm$ 1.633 χ^2 /NDF: 489.4/18

Left In: 61.375 $\pm$ 0.961 χ^2 /NDF: 699.7/22

Left: 61.506 $\pm$ 0.671 χ^2 /NDF: 1570.6/47

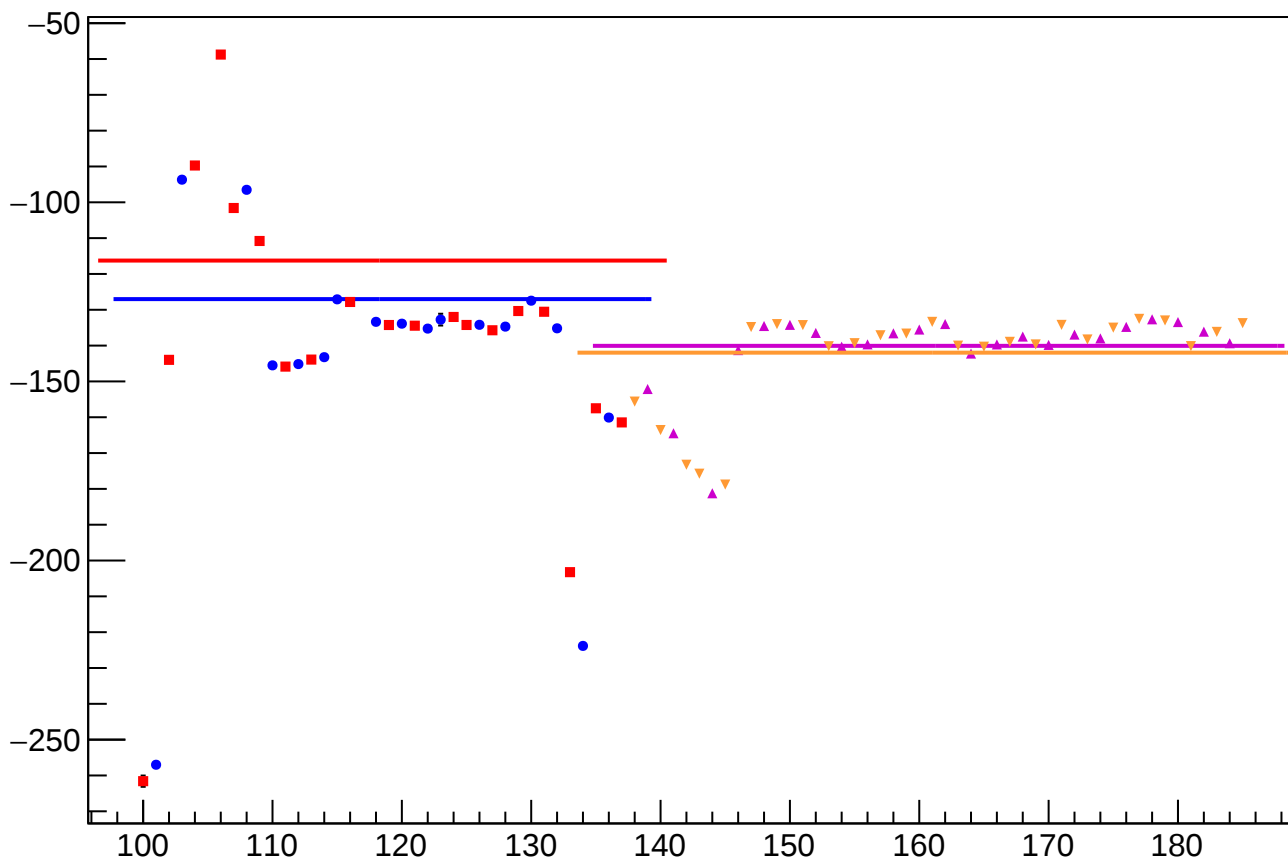
Right: 64.809 $\pm$ 1.200 χ^2 /NDF: 936.3/35

In: 63.573 $\pm$ 0.844 χ^2 /NDF: 1146.7/39

Out: 61.107 $\pm$ 0.812 χ^2 /NDF: 1361.5/43

All: 62.292 $\pm$ 0.585 χ^2 /NDF: 2512.7/83

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.024 $\pm$ 0.090 χ^2 /NDF: 166974.0/16

Left Out: -141.971 $\pm$ 0.045 χ^2 /NDF: 80246.4/24

Right Out: -116.264 $\pm$ 0.083 χ^2 /NDF: 167018.1/18

Left In: -140.068 $\pm$ 0.045 χ^2 /NDF: 48030.7/22

Left: -141.026 $\pm$ 0.032 χ^2 /NDF: 129176.8/47

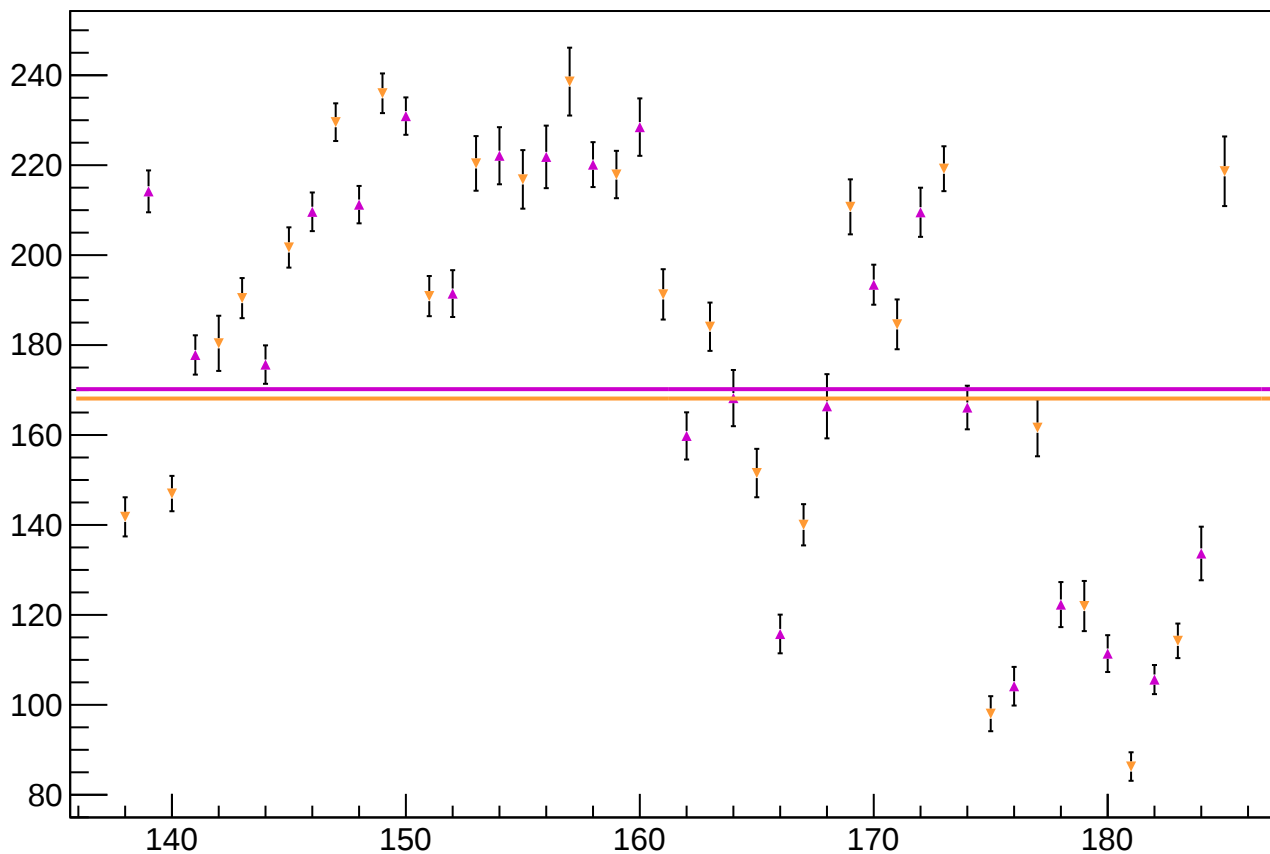
Right: -121.220 $\pm$ 0.061 χ^2 /NDF: 341725.4/35

In: -137.453 $\pm$ 0.040 χ^2 /NDF: 231847.1/39

Out: -136.194 $\pm$ 0.039 χ^2 /NDF: 321561.8/43

All: -136.810 $\pm$ 0.028 χ^2 /NDF: 553909.2/83

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 168.112+/-0.970 χ^2/NDF :2469.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 170.198+/-0.995 χ^2/NDF :2024.5/22

Left: 169.129+/-0.695 χ^2/NDF : 4496.0/47

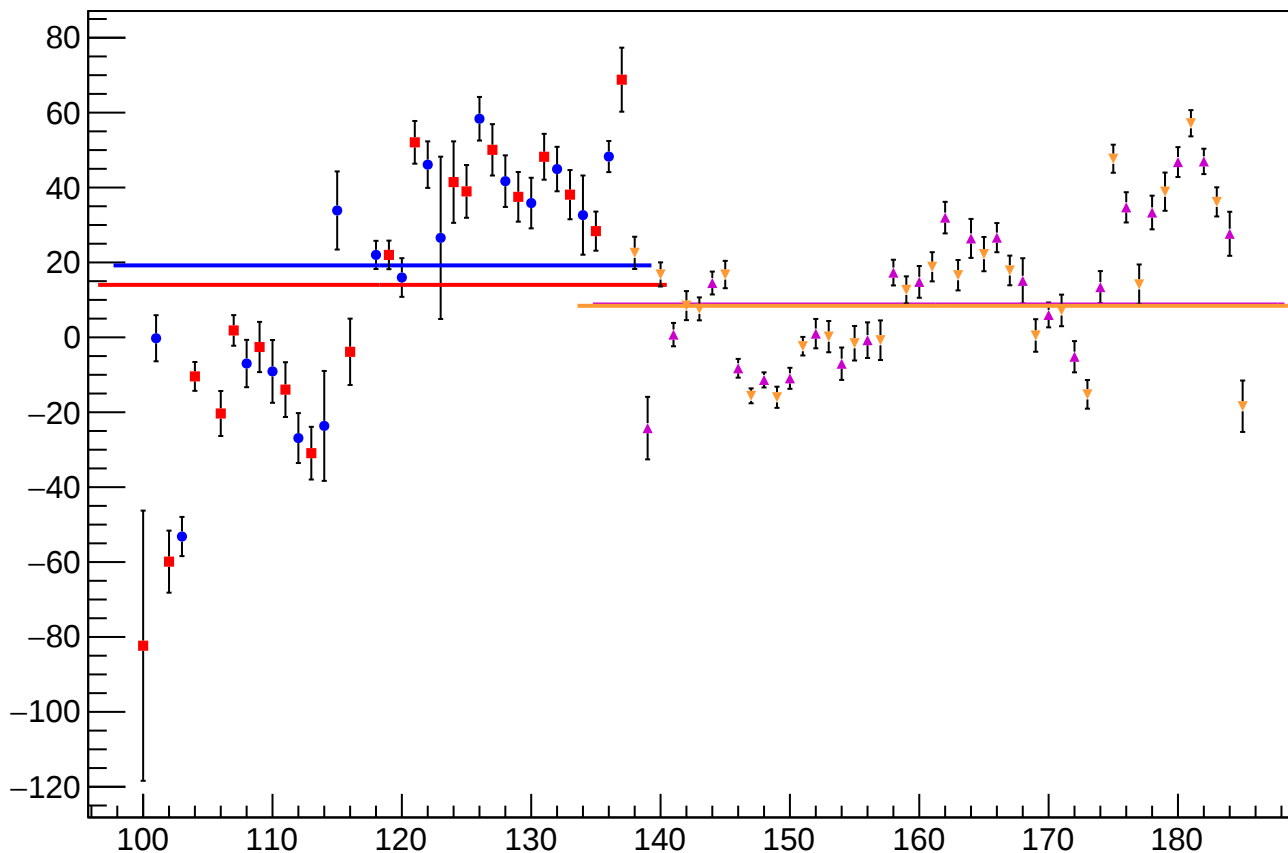
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 170.198+/-0.995 χ^2/NDF :2024.5/22

Out: 168.112+/-0.970 χ^2/NDF :2469.3/24

All: 169.129+/-0.695 χ^2/NDF : 4496.0/47

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.211 ± 1.503 $\chi^2/\text{NDF}: 439.4/16$

Left Out: 8.421 ± 0.728 $\chi^2/\text{NDF}: 750.5/24$

Right Out: 14.009 ± 1.391 $\chi^2/\text{NDF}: 435.5/18$

Left In: 8.769 ± 0.758 $\chi^2/\text{NDF}: 626.8/22$

Left: 8.588 ± 0.525 $\chi^2/\text{NDF}: 1377.5/47$

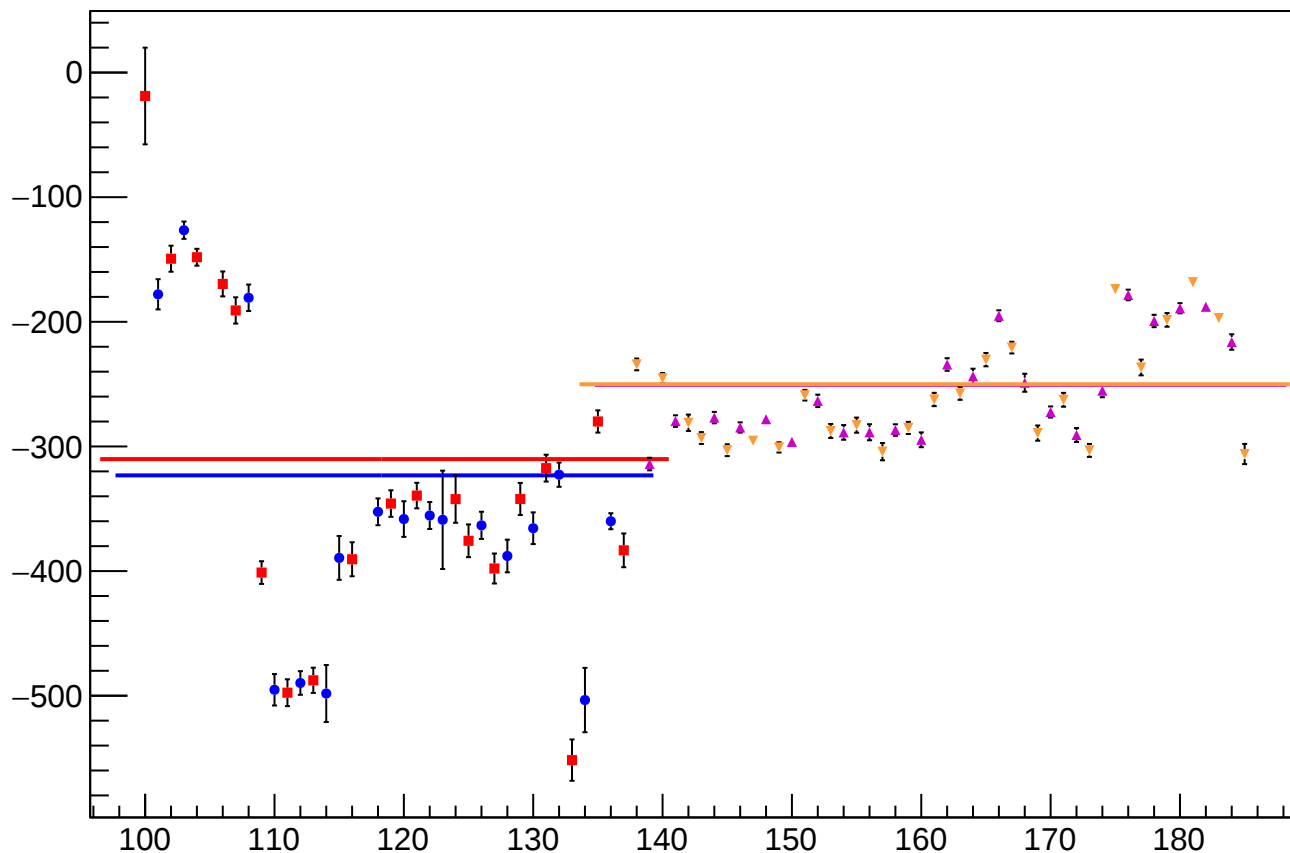
Right: 16.409 ± 1.021 $\chi^2/\text{NDF}: 881.4/35$

In: 10.887 ± 0.677 $\chi^2/\text{NDF}: 1104.7/39$

Out: 9.622 ± 0.645 $\chi^2/\text{NDF}: 1198.7/43$

All: 10.224 ± 0.467 $\chi^2/\text{NDF}: 2305.3/83$

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.205+/-2.689 χ^2/NDF : 1846.8/16

Left Out: -250.124+/-0.972 χ^2/NDF :2247.4/24

Right Out: -310.154+/-2.527 χ^2/NDF : 2298.0/18

Left In: -250.628+/-0.990 χ^2/NDF :1937.1/22

Left: -250.371+/-0.694 χ^2/NDF : 4184.6/47

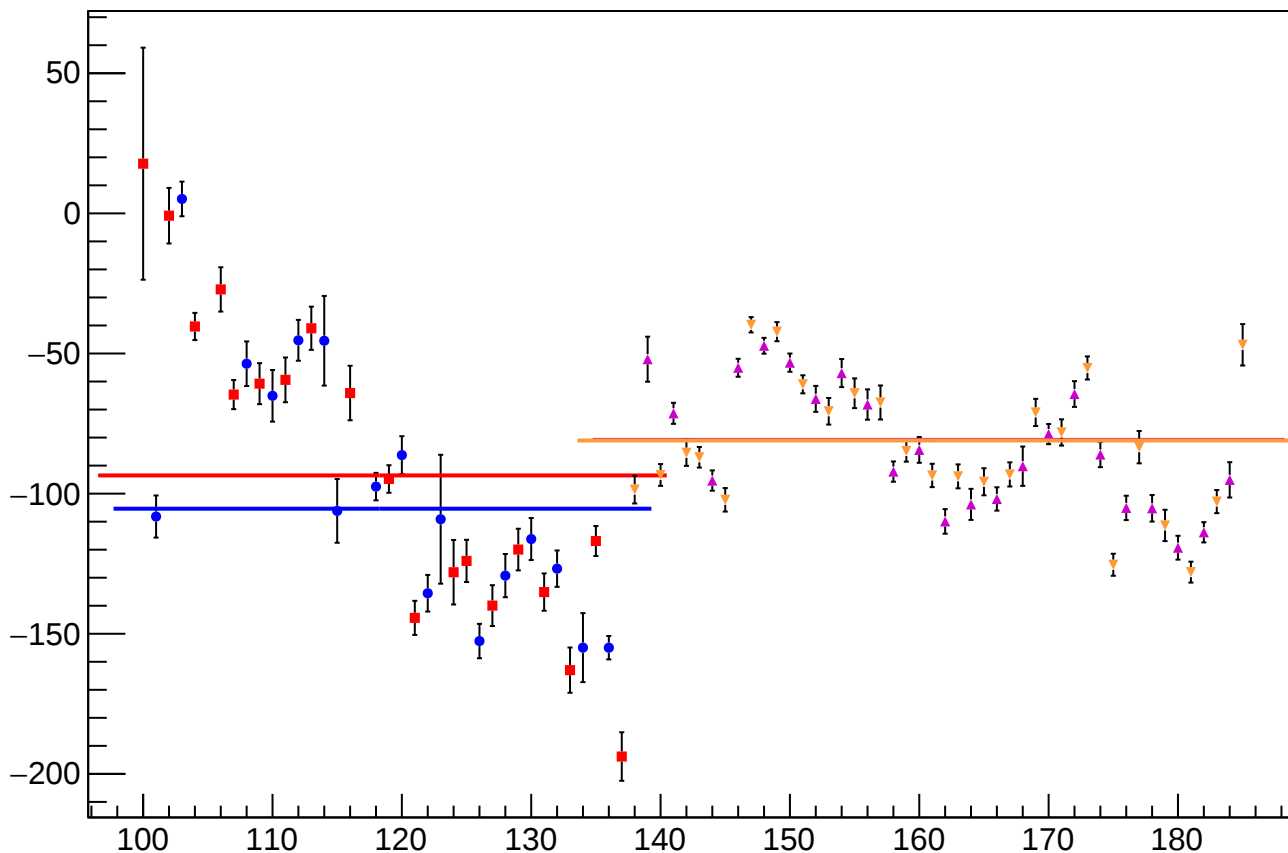
Right: -316.275+/-1.841 χ^2/NDF : 4157.4/35

In: -259.299+/-0.929 χ^2/NDF :4425.5/39

Out: -257.869+/-0.908 χ^2/NDF :5037.1/43

All: -258.567+/-0.649 χ^2/NDF : 9463.8/83

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.376 ± 1.716 χ^2/NDF : 734.7/16

Left Out: -81.035 ± 0.843 χ^2/NDF : 911.8/24

Right Out: -93.504 ± 1.612 χ^2/NDF : 824.8/18

Left In: -80.834 ± 0.872 χ^2/NDF : 693.1/22

Left: -80.938 ± 0.606 χ^2/NDF : 1604.9/47

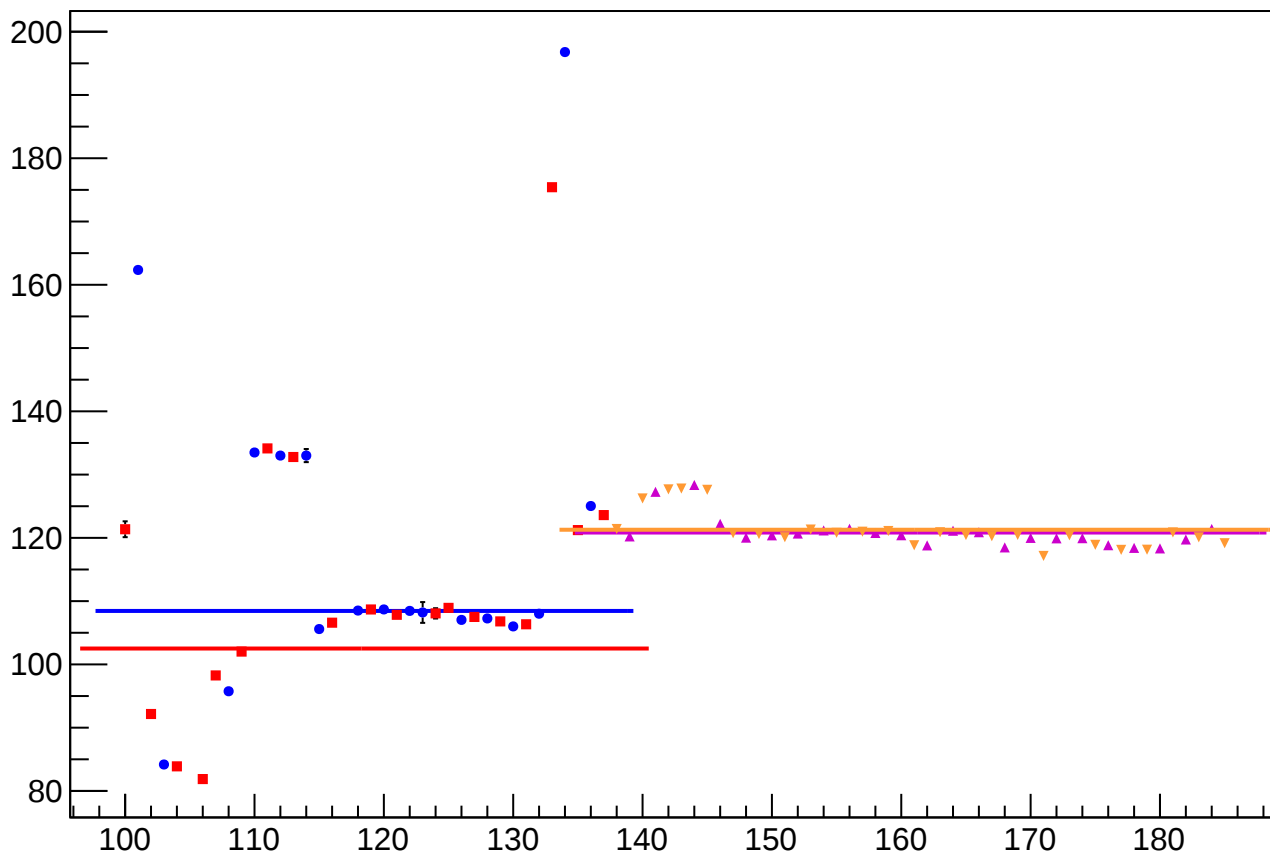
Right: -99.073 ± 1.175 χ^2/NDF : 1584.9/35

In: -85.871 ± 0.777 χ^2/NDF : 1590.5/39

Out: -83.712 ± 0.747 χ^2/NDF : 1783.6/43

All: -84.749 ± 0.539 χ^2/NDF : 3378.0/83

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.450+/-0.085 χ^2/NDF : 73263.0/16

Left Out: 121.283+/-0.040 χ^2/NDF : 4938.9/24

Right Out: 102.510+/-0.080 χ^2/NDF : 52979.9/18

Left In: 120.843+/-0.041 χ^2/NDF : 3368.2/22

Left: 121.066+/-0.029 χ^2/NDF : 8366.5/47

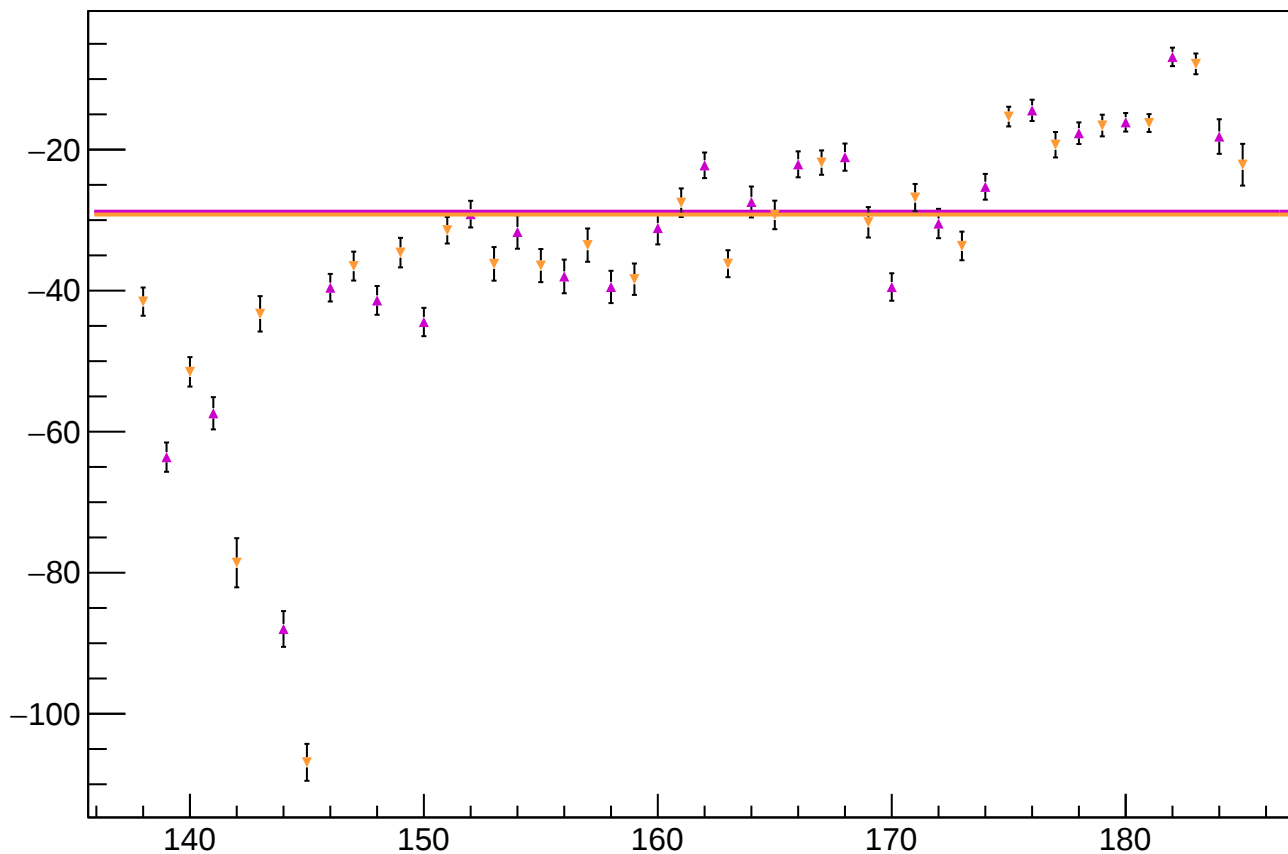
Right: 105.283+/-0.058 χ^2/NDF : 128842.0/35

In: 118.535+/-0.037 χ^2/NDF : 93899.3/39

Out: 117.482+/-0.036 χ^2/NDF : 102276.8/43

All: 117.996+/-0.026 χ^2/NDF : 196597.8/83

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -29.207+/-0.389 χ^2/NDF :1881.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -28.810+/-0.395 χ^2/NDF :1763.8/22

Left: -29.012+/-0.277 χ^2/NDF : 3645.3/47

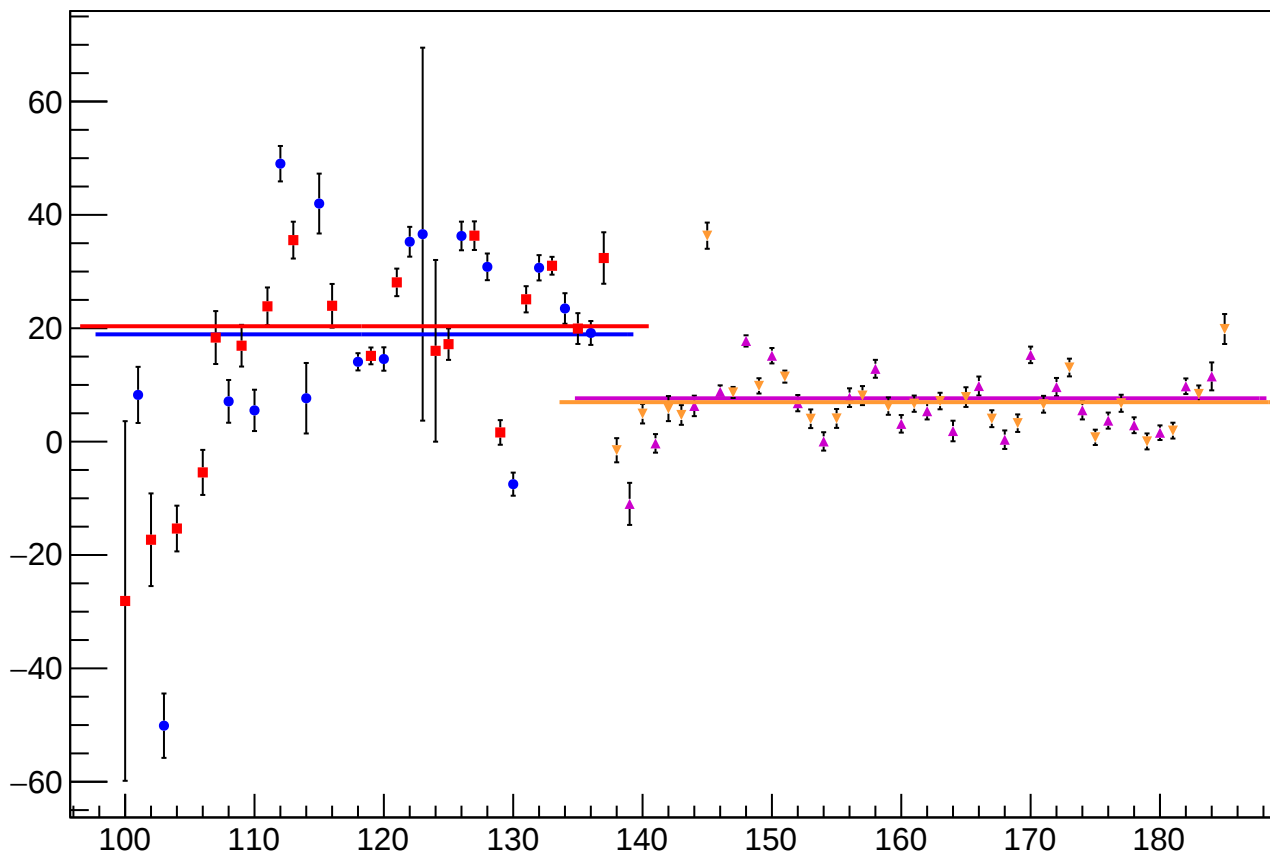
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -28.810+/-0.395 χ^2/NDF :1763.8/22

Out: -29.207+/-0.389 χ^2/NDF :1881.0/24

All: -29.012+/-0.277 χ^2/NDF : 3645.3/47

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.924 $\pm$ 0.654 χ^2 /NDF: 616.2/16

Left Out: 6.960 $\pm$ 0.303 χ^2 /NDF:321.3/24

Right Out: 20.353 $\pm$ 0.643 χ^2 /NDF: 364.7/18

Left In: 7.638 $\pm$ 0.313 χ^2 /NDF:337.7/22

Left: 7.288 $\pm$ 0.218 χ^2 /NDF: 661.5/47

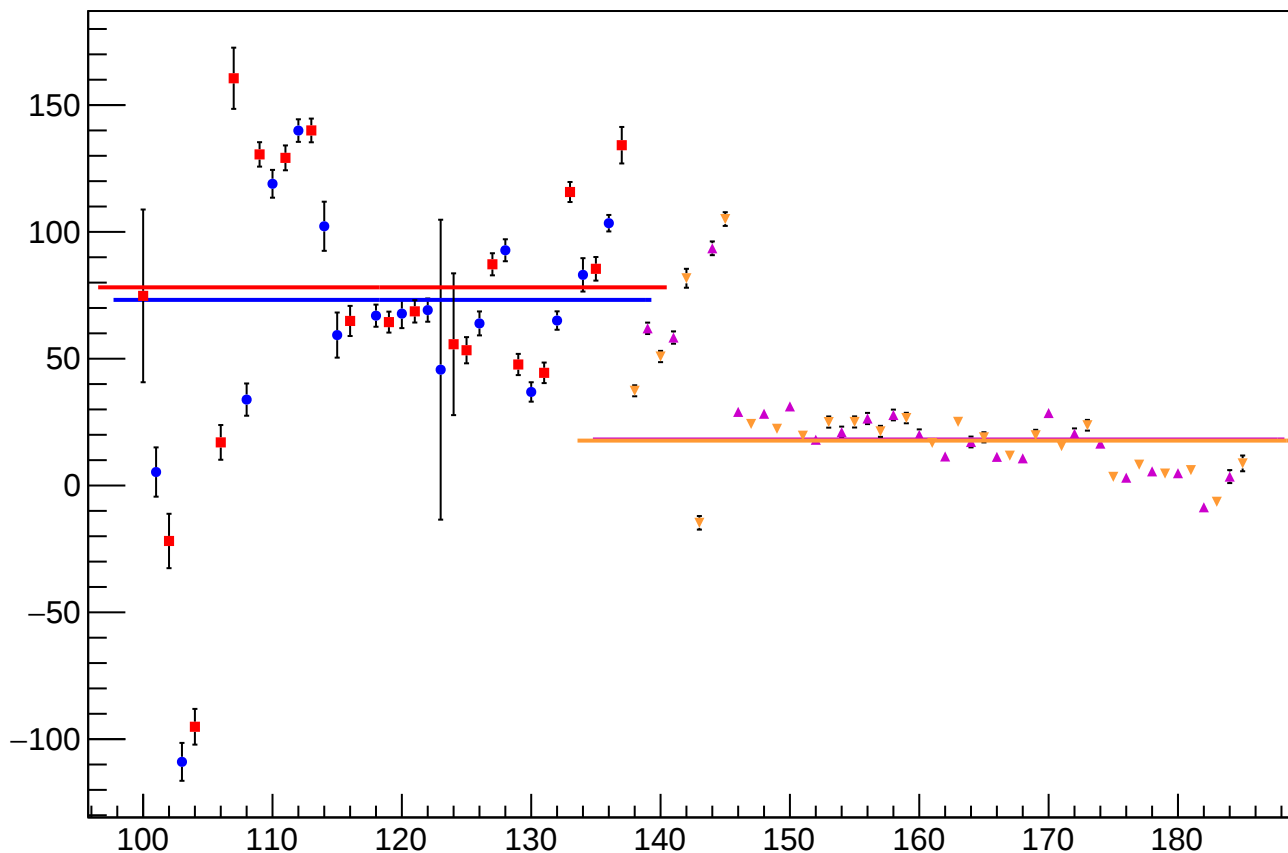
Right: 19.651 $\pm$ 0.459 χ^2 /NDF: 983.3/35

In: 9.747 $\pm$ 0.283 χ^2 /NDF:1196.0/39

Out: 9.392 $\pm$ 0.274 χ^2 /NDF:1040.8/43

All: 9.564 $\pm$ 0.197 χ^2 /NDF: 2237.6/83

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.189 $\pm$ 1.239 χ^2 /NDF: 1199.7/16

Left Out: 17.711 $\pm$ 0.387 χ^2 /NDF:2432.1/24

Right Out: 78.140 $\pm$ 1.225 χ^2 /NDF: 1545.8/18

Left In: 18.150 $\pm$ 0.393 χ^2 /NDF:2339.4/22

Left: 17.927 $\pm$ 0.276 χ^2 /NDF: 4772.1/47

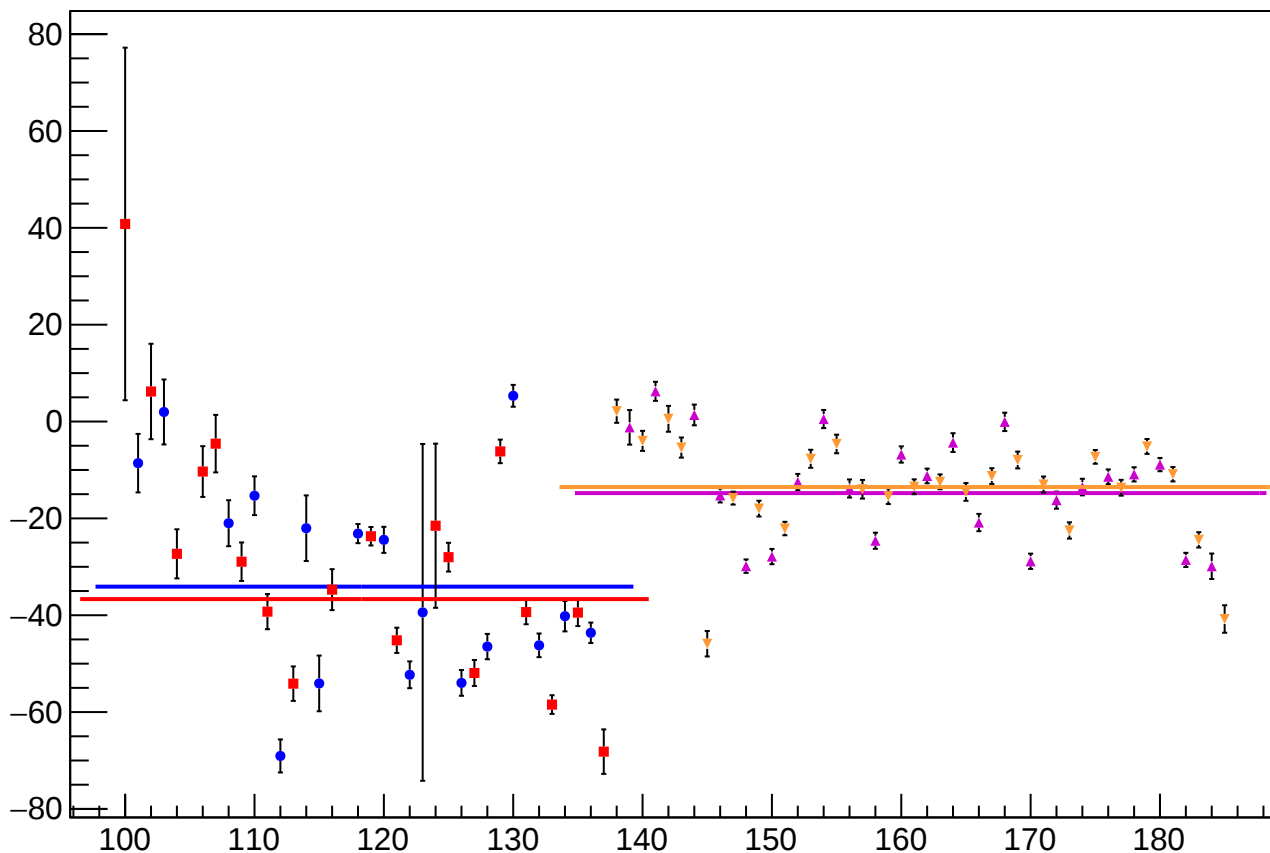
Right: 75.692 $\pm$ 0.871 χ^2 /NDF: 2753.6/35

In: 23.173 $\pm$ 0.374 χ^2 /NDF:5333.0/39

Out: 23.202 $\pm$ 0.369 χ^2 /NDF:6189.8/43

All: 23.188 $\pm$ 0.263 χ^2 /NDF: 11522.8/83

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.097 ± 0.746 χ^2/NDF : 714.9/16

Left Out: -13.530 ± 0.344 χ^2/NDF : 572.8/24

Right Out: -36.670 ± 0.737 χ^2/NDF : 542.9/18

Left In: -14.778 ± 0.354 χ^2/NDF : 838.0/22

Left: -14.136 ± 0.247 χ^2/NDF : 1417.2/47

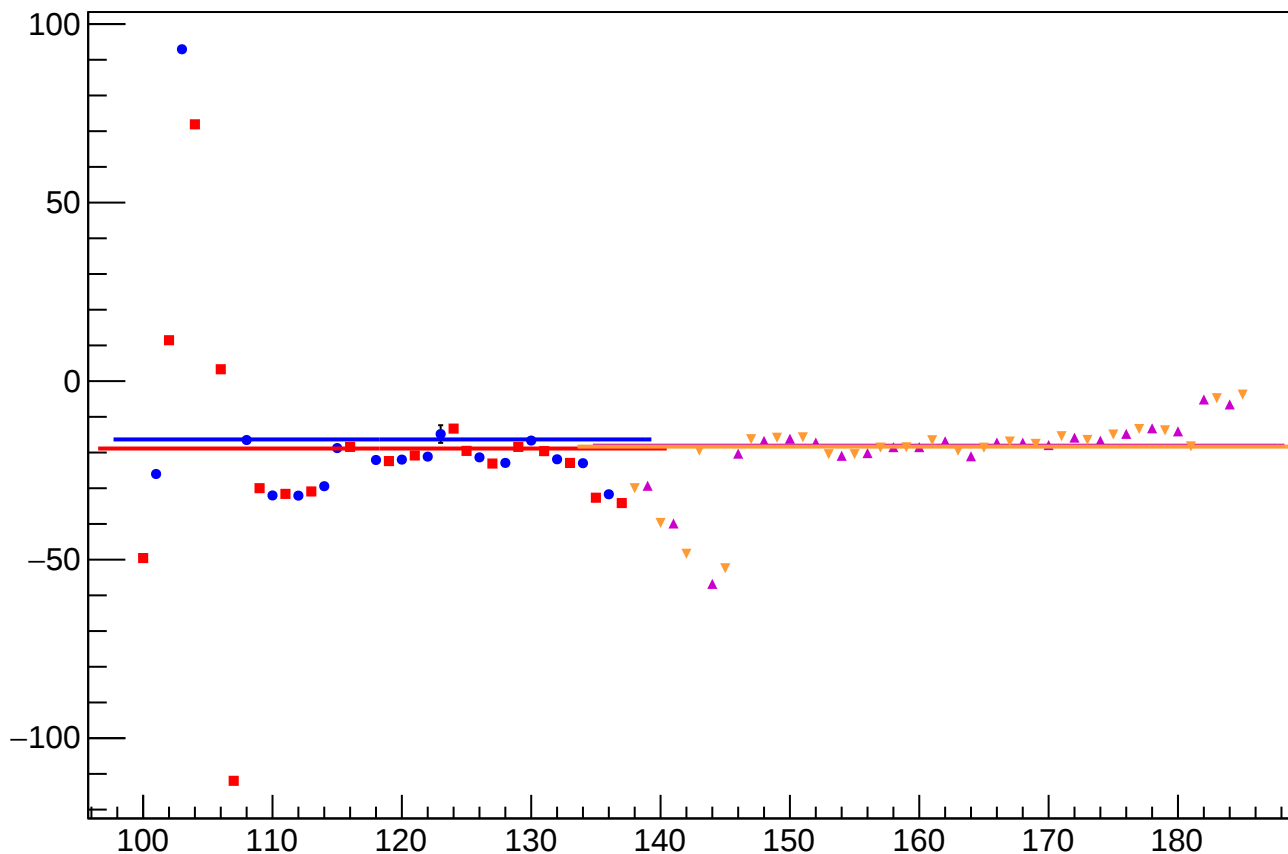
Right: -35.399 ± 0.524 χ^2/NDF : 1263.7/35

In: -18.329 ± 0.320 χ^2/NDF : 2099.9/39

Out: -17.669 ± 0.312 χ^2/NDF : 1924.6/43

All: -17.990 ± 0.223 χ^2/NDF : 4026.7/83

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.329 ± 0.045 $\chi^2/\text{NDF}: 474104.2/16$

Left Out: -18.341 ± 0.016 $\chi^2/\text{NDF}: 283788.1/24$

Right Out: -18.876 ± 0.045 $\chi^2/\text{NDF}: 433788.6/18$

Left In: -18.083 ± 0.016 $\chi^2/\text{NDF}: 241949.5/22$

Left: -18.214 ± 0.011 $\chi^2/\text{NDF}: 525867.5/47$

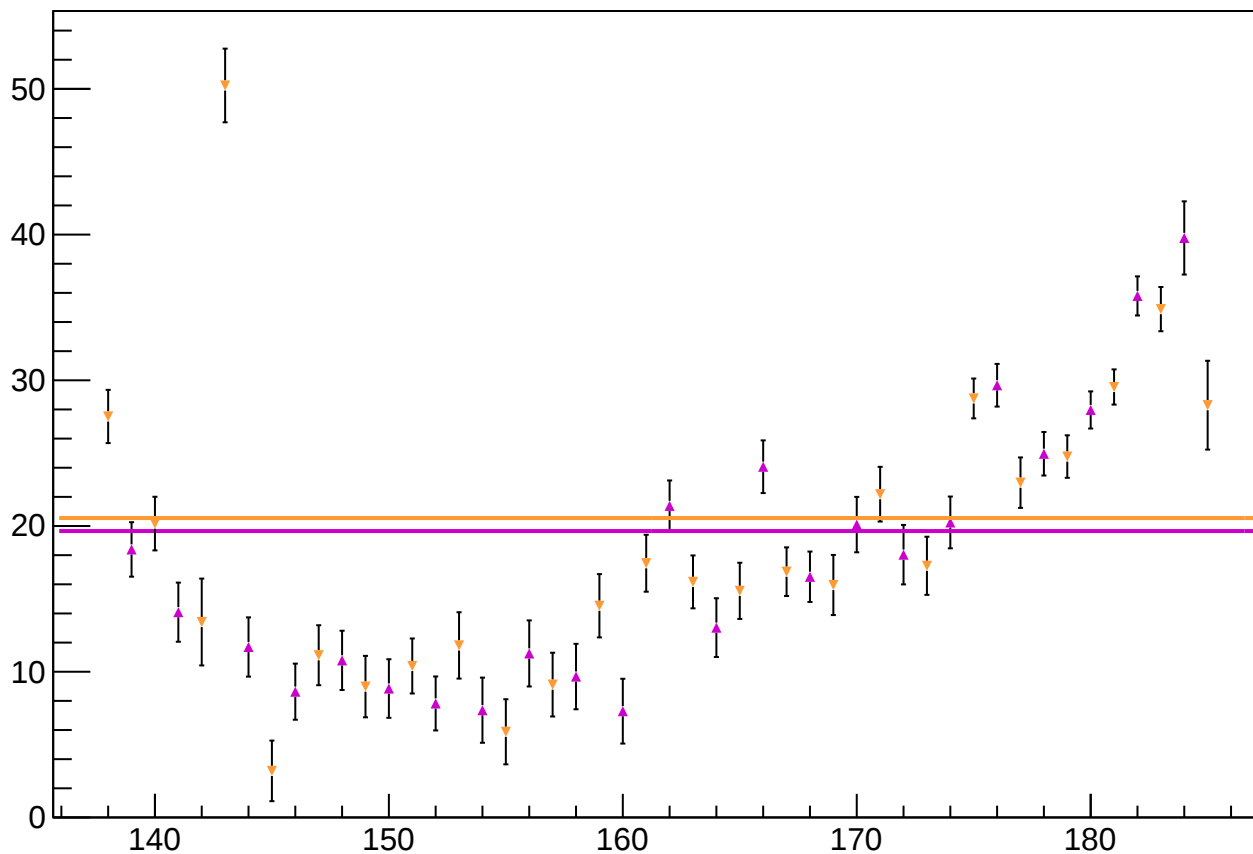
Right: -17.584 ± 0.032 $\chi^2/\text{NDF}: 909491.7/35$

In: -17.882 ± 0.015 $\chi^2/\text{NDF}: 717417.2/39$

Out: -18.399 ± 0.015 $\chi^2/\text{NDF}: 717700.6/43$

All: -18.143 ± 0.011 $\chi^2/\text{NDF}: 1435707.4/83$

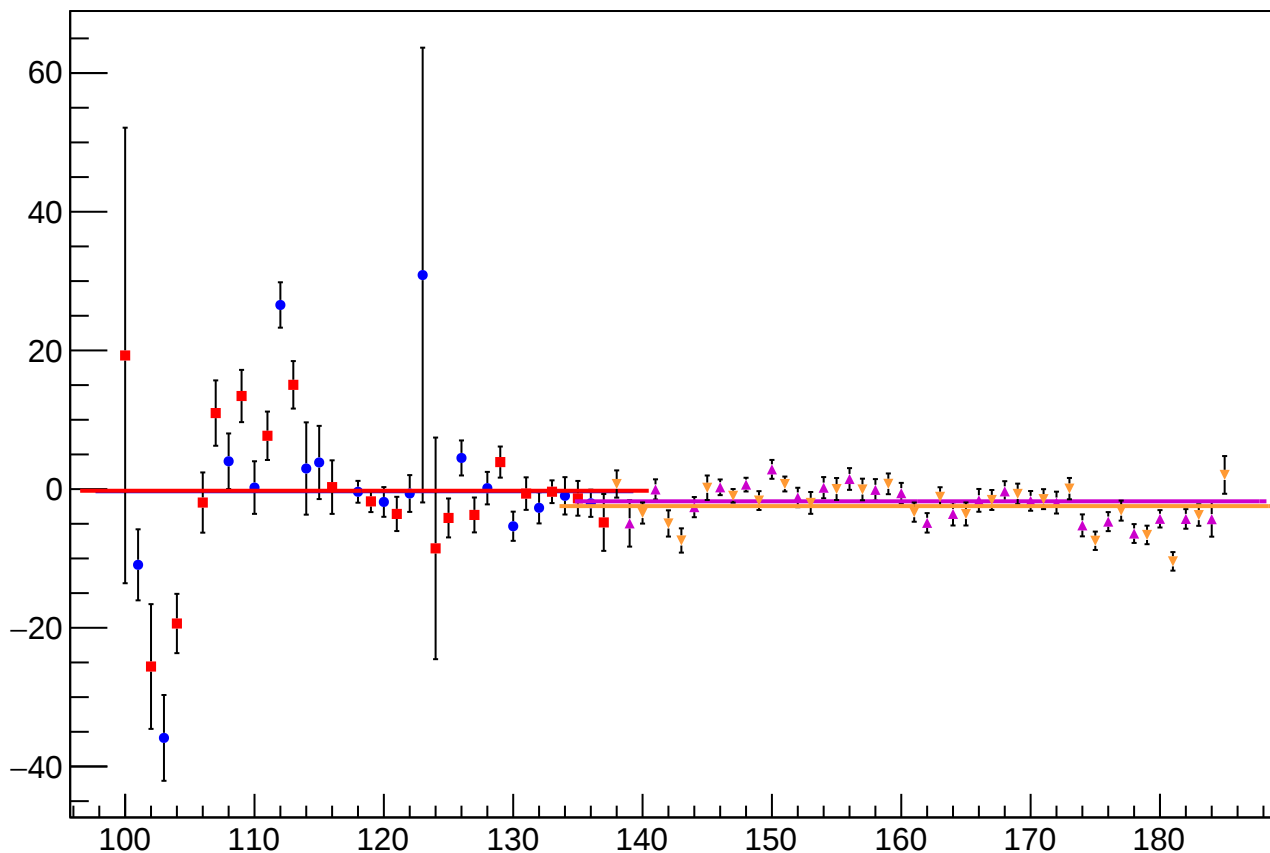
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: 20.549+/-0.373 χ^2 /NDF:626.7/24
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: 19.656+/-0.380 χ^2 /NDF:571.8/22

Left: 20.111+/-0.266 χ^2 /NDF: 1201.3/47
 Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 In: 19.656+/-0.380 χ^2 /NDF:571.8/22
 Out: 20.549+/-0.373 χ^2 /NDF:626.7/24
 All: 20.111+/-0.266 χ^2 /NDF: 1201.3/47

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.309 ± 0.663 χ^2/NDF : 119.6/16

Left Out: -2.450 ± 0.292 χ^2/NDF : 105.8/24

Right Out: -0.237 ± 0.657 χ^2/NDF : 84.2/18

Left In: -1.758 ± 0.302 χ^2/NDF : 67.4/22

Left: -2.116 ± 0.210 χ^2/NDF : 176.0/47

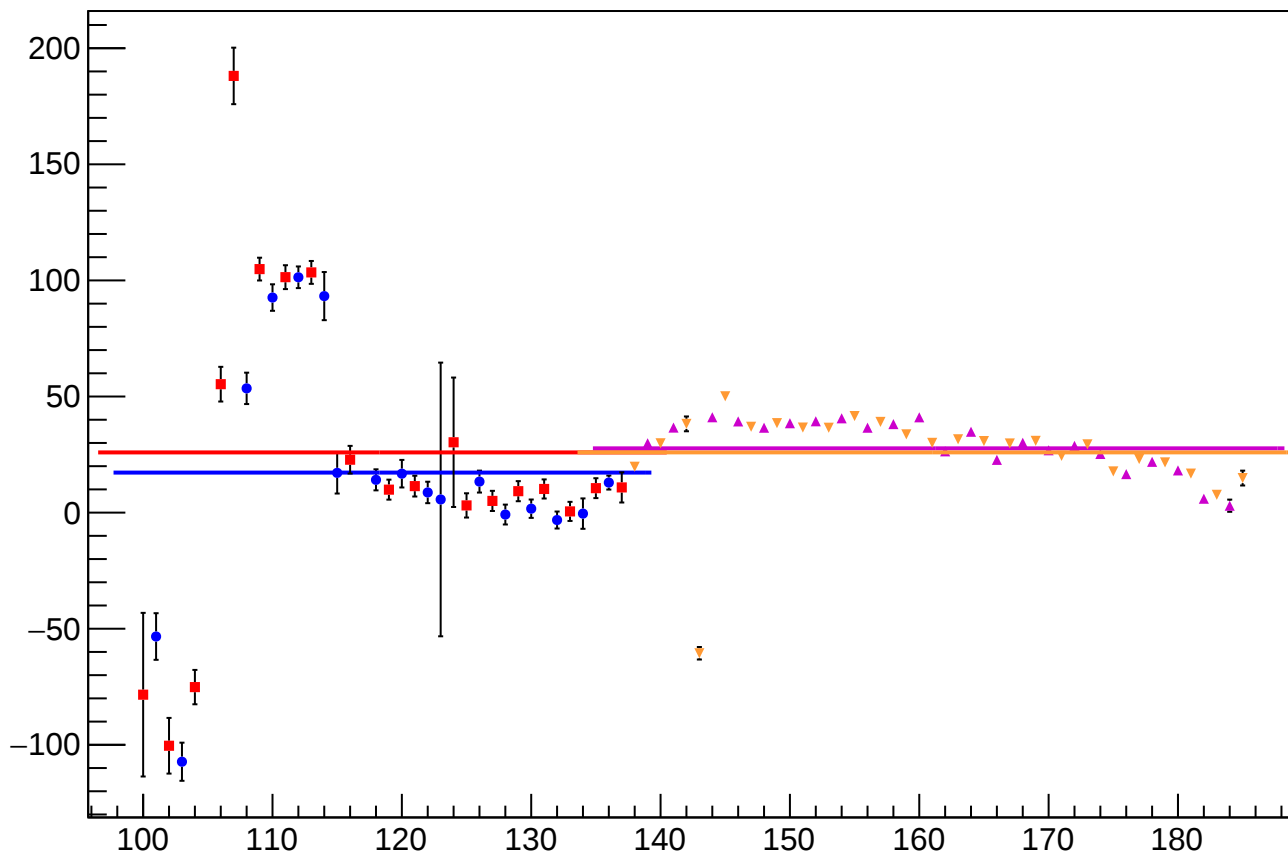
Right: -0.273 ± 0.467 χ^2/NDF : 203.8/35

In: -1.509 ± 0.275 χ^2/NDF : 191.0/39

Out: -2.085 ± 0.267 χ^2/NDF : 199.5/43

All: -1.805 ± 0.192 χ^2/NDF : 392.7/83

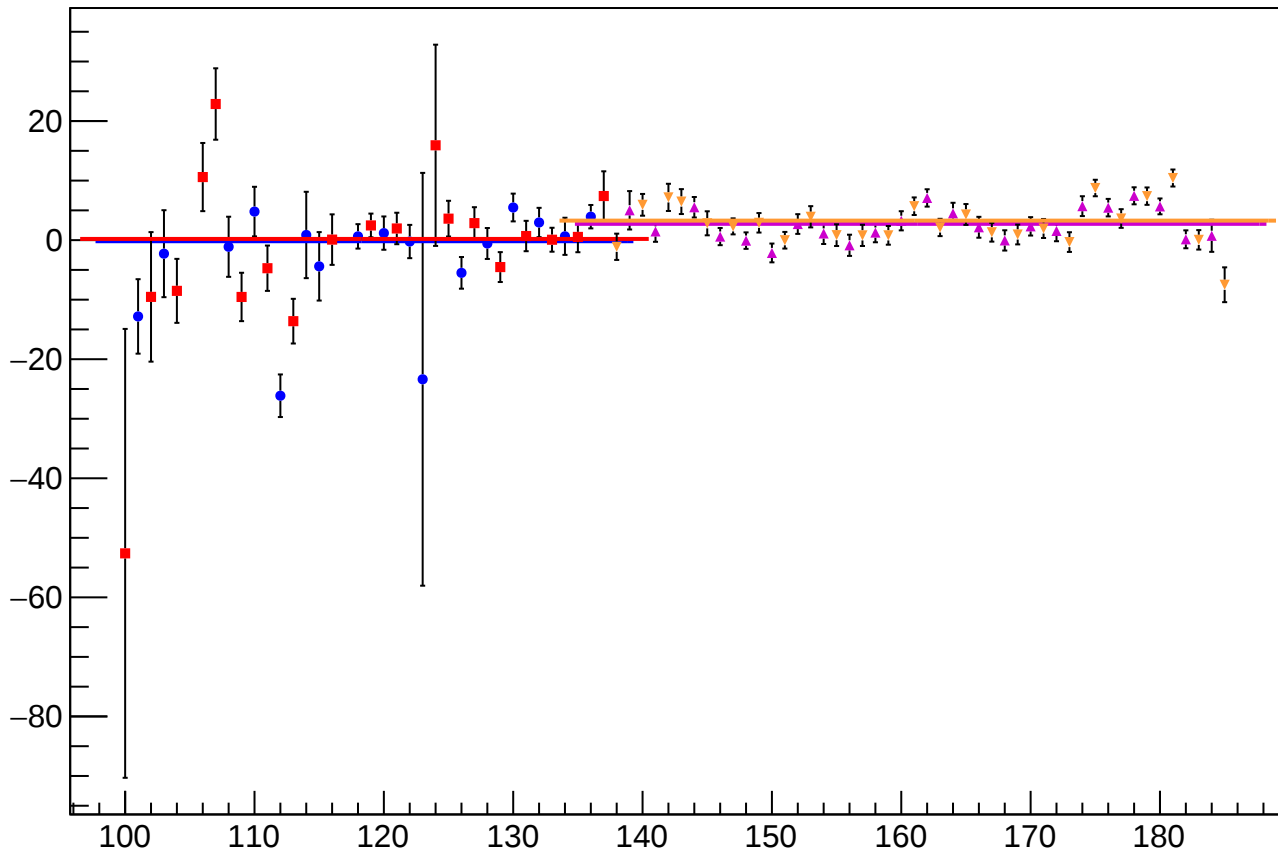
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.239 $\pm$ 1.249 χ^2 /NDF: 940.3/16
 Left Out: 25.943 $\pm$ 0.372 χ^2 /NDF:1711.3/24
 Right Out: 25.926 $\pm$ 1.246 χ^2 /NDF: 1374.8/18
 Left In: 27.677 $\pm$ 0.378 χ^2 /NDF:803.9/22

Left: 26.796 $\pm$ 0.265 χ^2 /NDF: 2525.9/47
 Right: 21.595 $\pm$ 0.882 χ^2 /NDF: 2339.4/35
 In: 26.800 $\pm$ 0.362 χ^2 /NDF:1808.2/39
 Out: 25.942 $\pm$ 0.357 χ^2 /NDF:3086.1/43
 All: 26.365 $\pm$ 0.254 χ^2 /NDF: 4897.2/83

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.183 ± 0.753 χ^2/NDF : 75.7/16

Left Out: 3.277 ± 0.331 χ^2/NDF : 102.6/24

Right Out: 0.202 ± 0.750 χ^2/NDF : 55.4/18

Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

Left: 3.015 ± 0.238 χ^2/NDF : 168.4/47

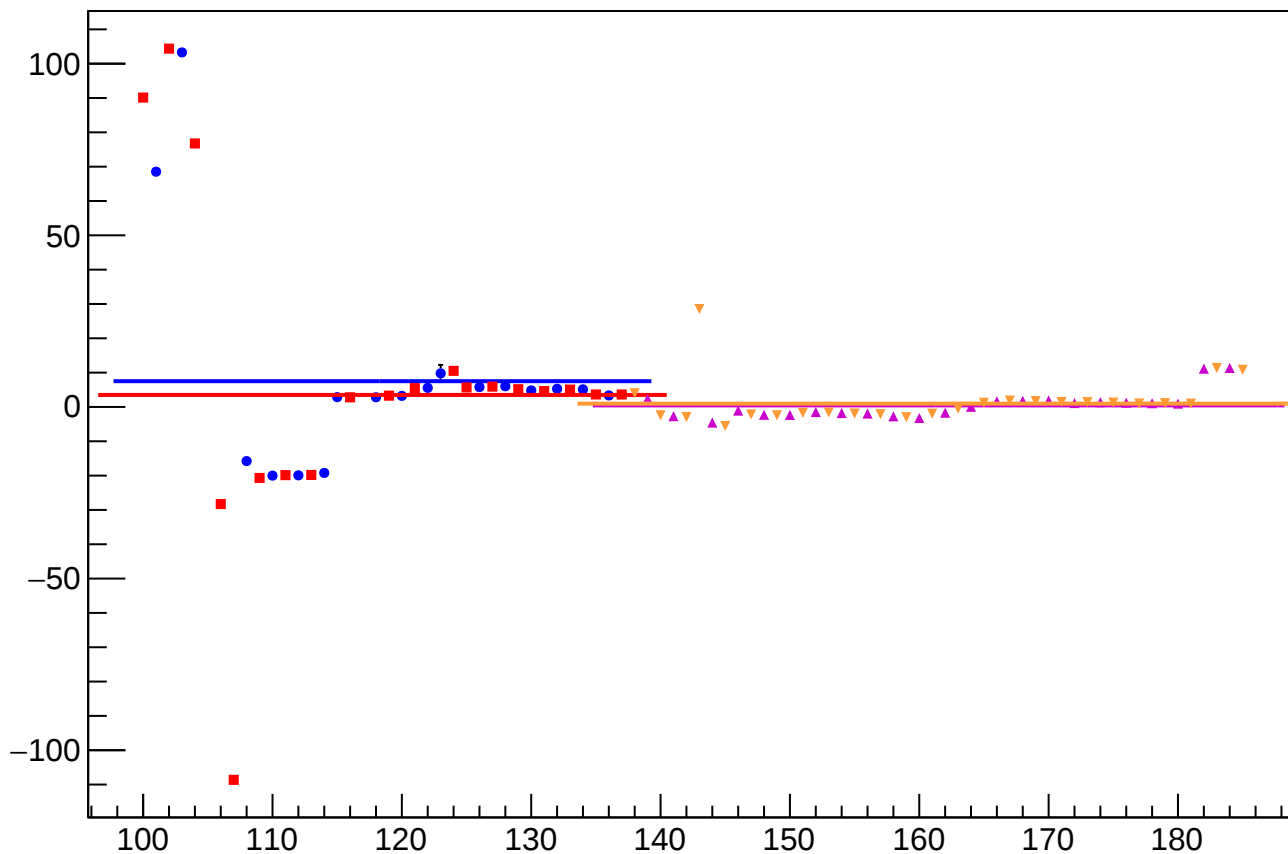
Right: 0.010 ± 0.531 χ^2/NDF : 131.2/35

In: 2.241 ± 0.311 χ^2/NDF : 152.6/39

Out: 2.775 ± 0.303 χ^2/NDF : 172.1/43

All: 2.514 ± 0.217 χ^2/NDF : 326.3/83

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.507 ± 0.045 $\chi^2/\text{NDF}: 355810.5/16$

Left Out: 0.975 ± 0.015 $\chi^2/\text{NDF}: 117179.1/24$

Right Out: 3.499 ± 0.046 $\chi^2/\text{NDF}: 510576.0/18$

Left In: 0.451 ± 0.015 $\chi^2/\text{NDF}: 50699.8/22$

Left: 0.717 ± 0.011 $\chi^2/\text{NDF}: 168462.9/47$

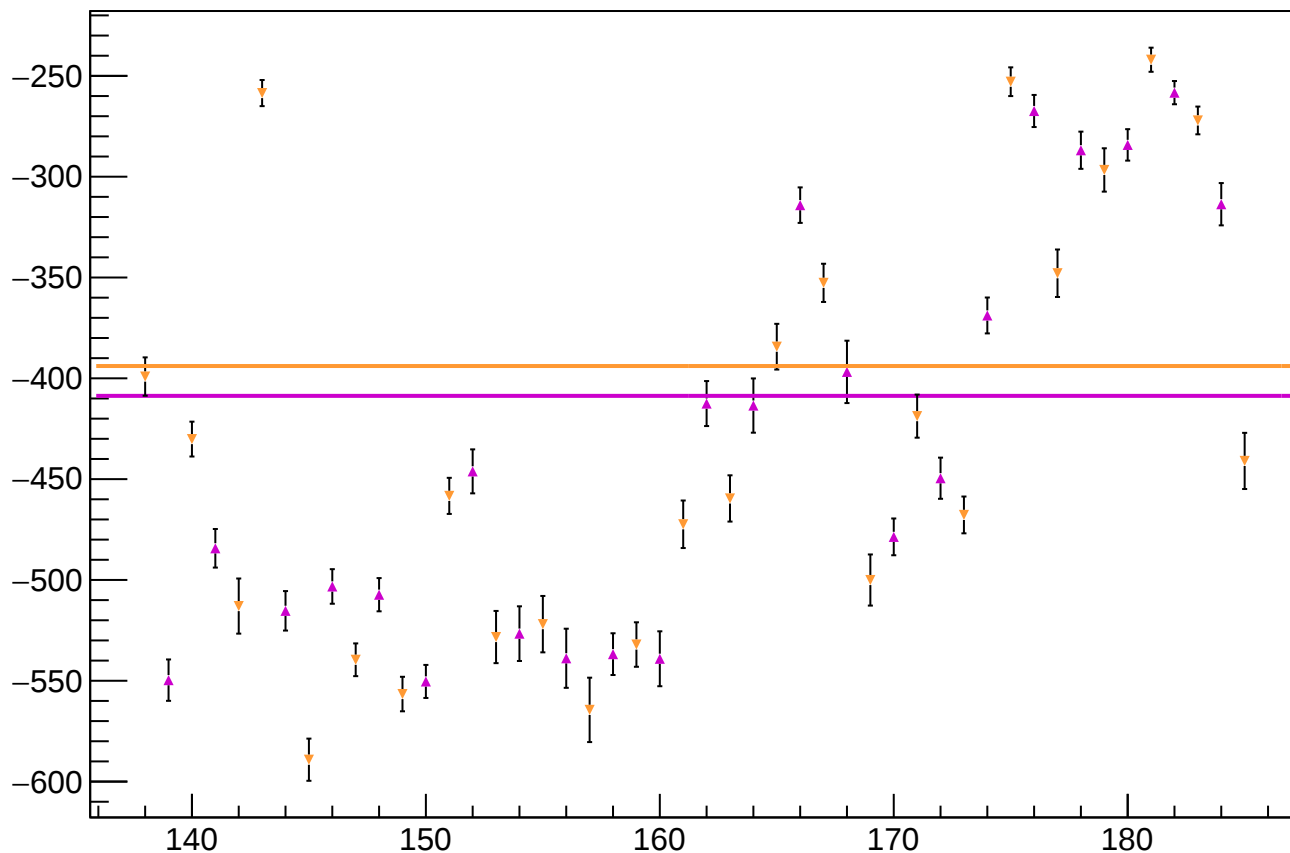
Right: 5.547 ± 0.032 $\chi^2/\text{NDF}: 870320.0/35$

In: 1.203 ± 0.015 $\chi^2/\text{NDF}: 428786.7/39$

Out: 1.226 ± 0.014 $\chi^2/\text{NDF}: 630503.1/43$

All: 1.215 ± 0.010 $\chi^2/\text{NDF}: 1059291.0/83$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -393.899+/-1.897 χ^2/NDF : 3772.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -408.696+/-1.979 χ^2/NDF : 3062.9/22

Left: -400.986+/-1.370 χ^2/NDF : 6864.7/47

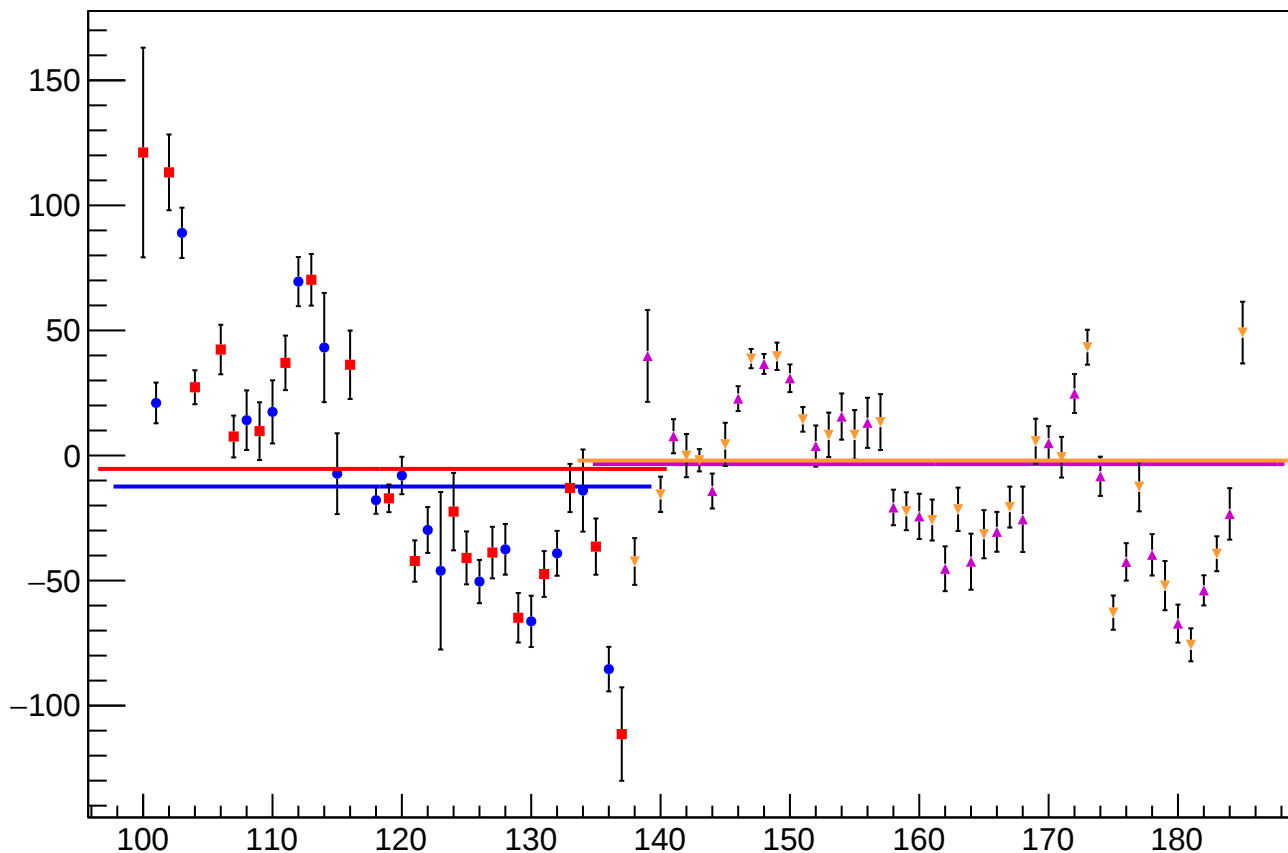
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -408.696+/-1.979 χ^2/NDF : 3062.9/22

Out: -393.899+/-1.897 χ^2/NDF : 3772.7/24

All: -400.986+/-1.370 χ^2/NDF : 6864.7/47

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.408 ± 2.353 χ^2/NDF : 340.6/16

Left Out: -2.011 ± 1.424 χ^2/NDF : 562.9/24

Right Out: -5.355 ± 2.261 χ^2/NDF : 344.1/18

Left In: -3.420 ± 1.520 χ^2/NDF : 451.0/22

Left: -2.670 ± 1.039 χ^2/NDF : 1014.3/47

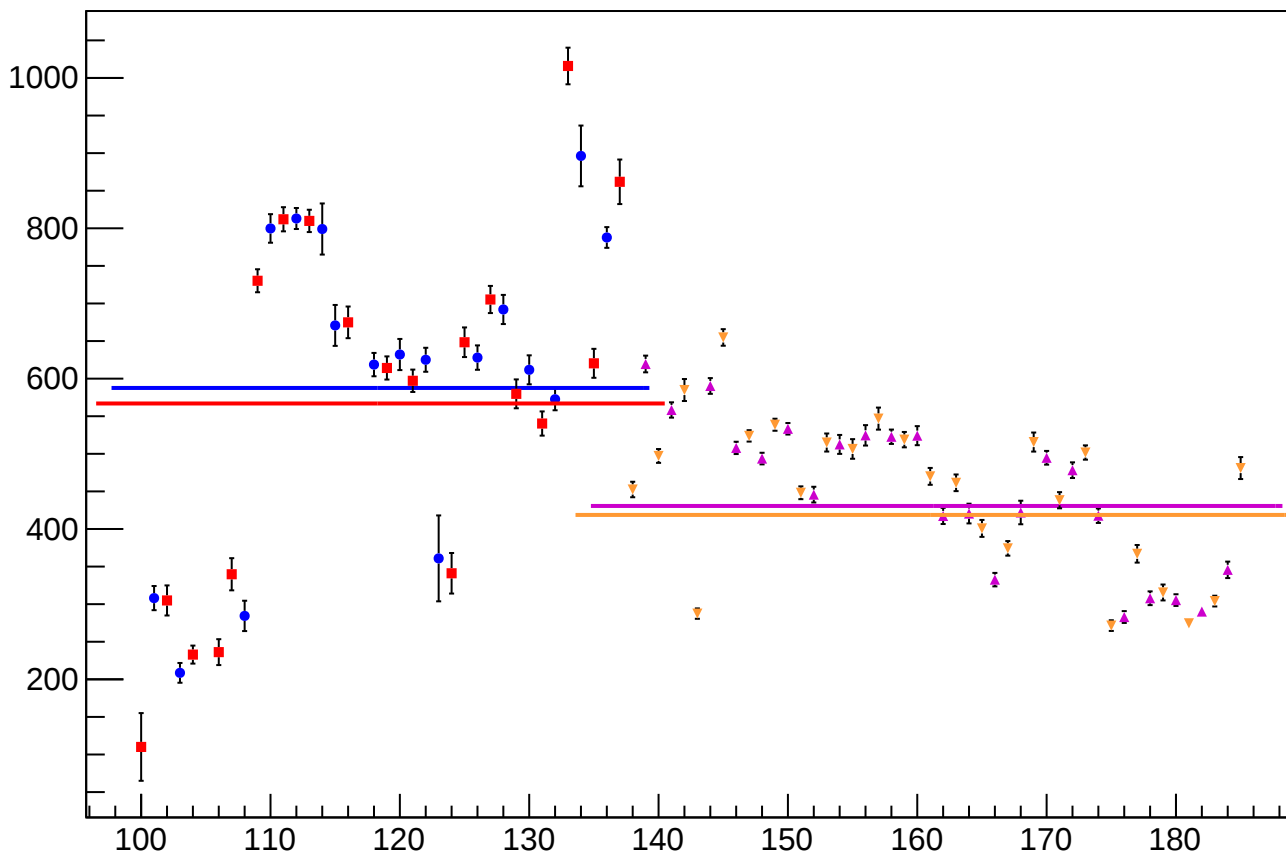
Right: -8.741 ± 1.631 χ^2/NDF : 689.4/35

In: -6.066 ± 1.277 χ^2/NDF : 801.9/39

Out: -2.961 ± 1.205 χ^2/NDF : 908.6/43

All: -4.424 ± 0.876 χ^2/NDF : 1713.5/83

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.620 $\pm$ 4.361 χ^2 /NDF: 2127.1/16

Left Out: 418.701 $\pm$ 1.905 χ^2 /NDF:3296.7/24

Right Out: 566.959 $\pm$ 4.142 χ^2 /NDF: 2782.6/18

Left In: 430.640 $\pm$ 1.971 χ^2 /NDF:2850.6/22

Left: 424.469 $\pm$ 1.370 χ^2 /NDF: 6166.2/47

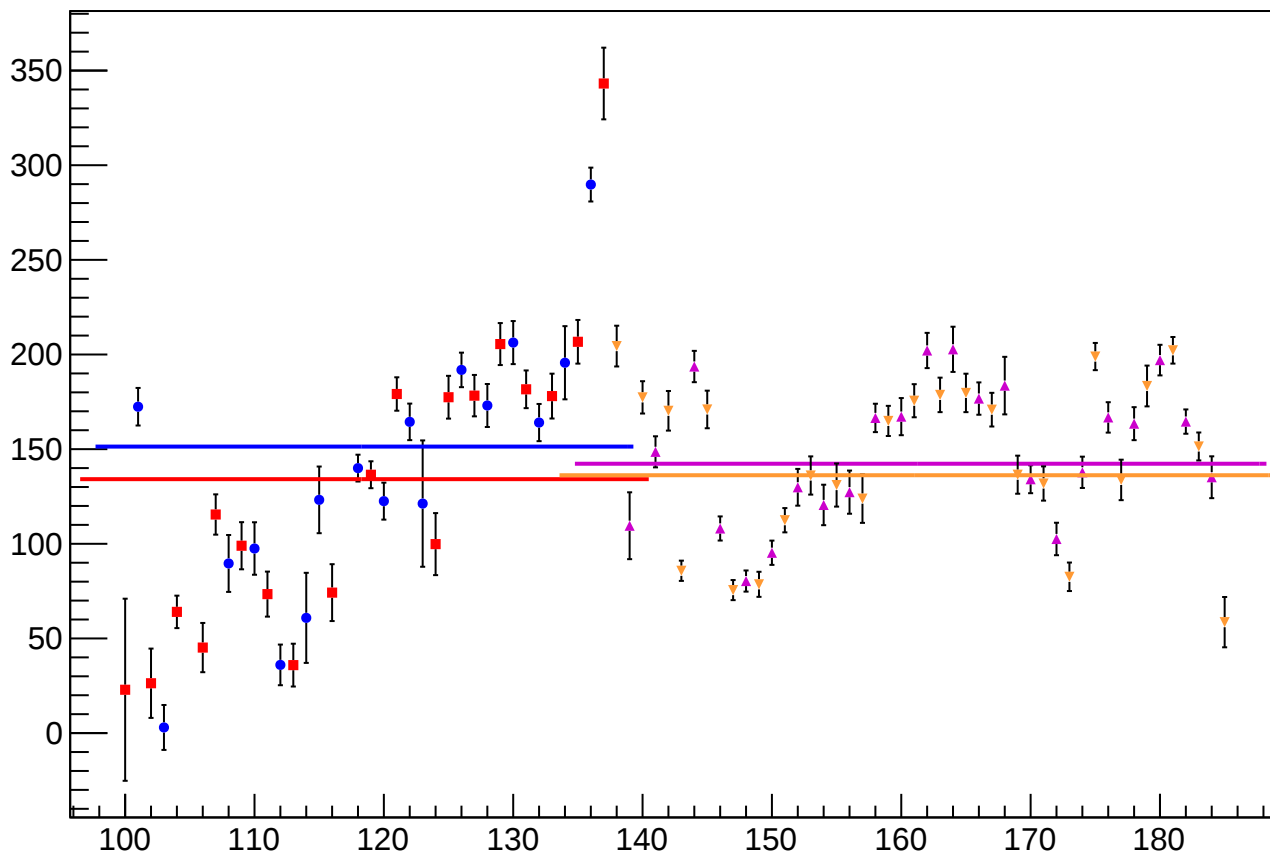
Right: 576.758 $\pm$ 3.004 χ^2 /NDF: 4921.6/35

In: 457.255 $\pm$ 1.796 χ^2 /NDF:6053.5/39

Out: 444.589 $\pm$ 1.731 χ^2 /NDF:7136.6/43

All: 450.689 $\pm$ 1.246 χ^2 /NDF: 13215.9/83

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.359 $\pm$ 2.715 χ^2 /NDF: 632.2/16

Left Out: 136.224 $\pm$ 1.651 χ^2 /NDF:757.9/24

Right Out: 134.147 $\pm$ 2.620 χ^2 /NDF: 582.9/18

Left In: 142.296 $\pm$ 1.745 χ^2 /NDF:459.8/22

Left: 139.093 $\pm$ 1.199 χ^2 /NDF: 1224.1/47

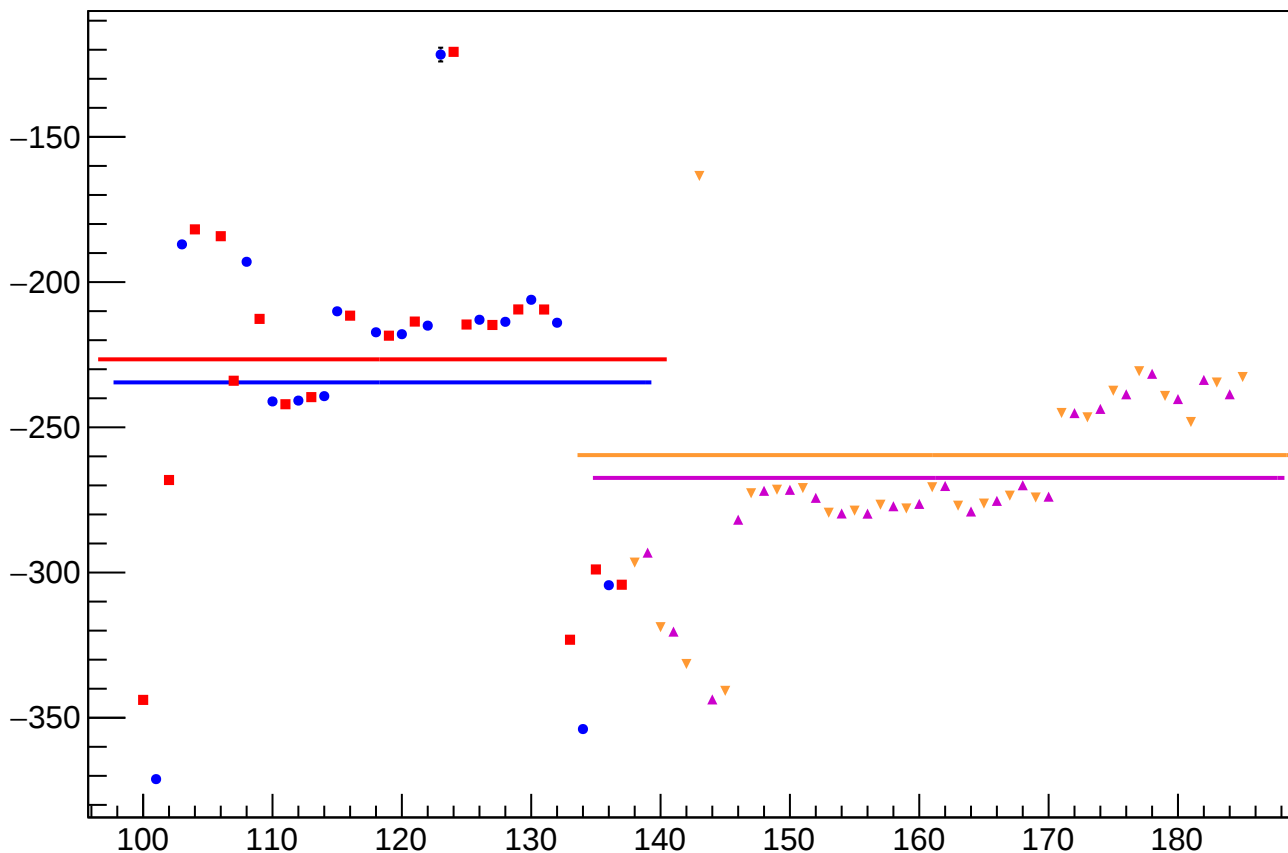
Right: 142.445 $\pm$ 1.885 χ^2 /NDF: 1235.9/35

In: 144.945 $\pm$ 1.468 χ^2 /NDF:1099.9/39

Out: 135.634 $\pm$ 1.397 χ^2 /NDF:1341.3/43

All: 140.059 $\pm$ 1.012 χ^2 /NDF: 2462.3/83

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.530+/-0.149 χ^2 /NDF: 145014.5/16

Left Out: -259.566+/-0.079 χ^2 /NDF:238196.3/24

Right Out: -226.593+/-0.142 χ^2 /NDF: 98973.6/18

Left In: -267.417+/-0.082 χ^2 /NDF:98035.5/22

Left: -263.366+/-0.057 χ^2 /NDF: 340999.7/47

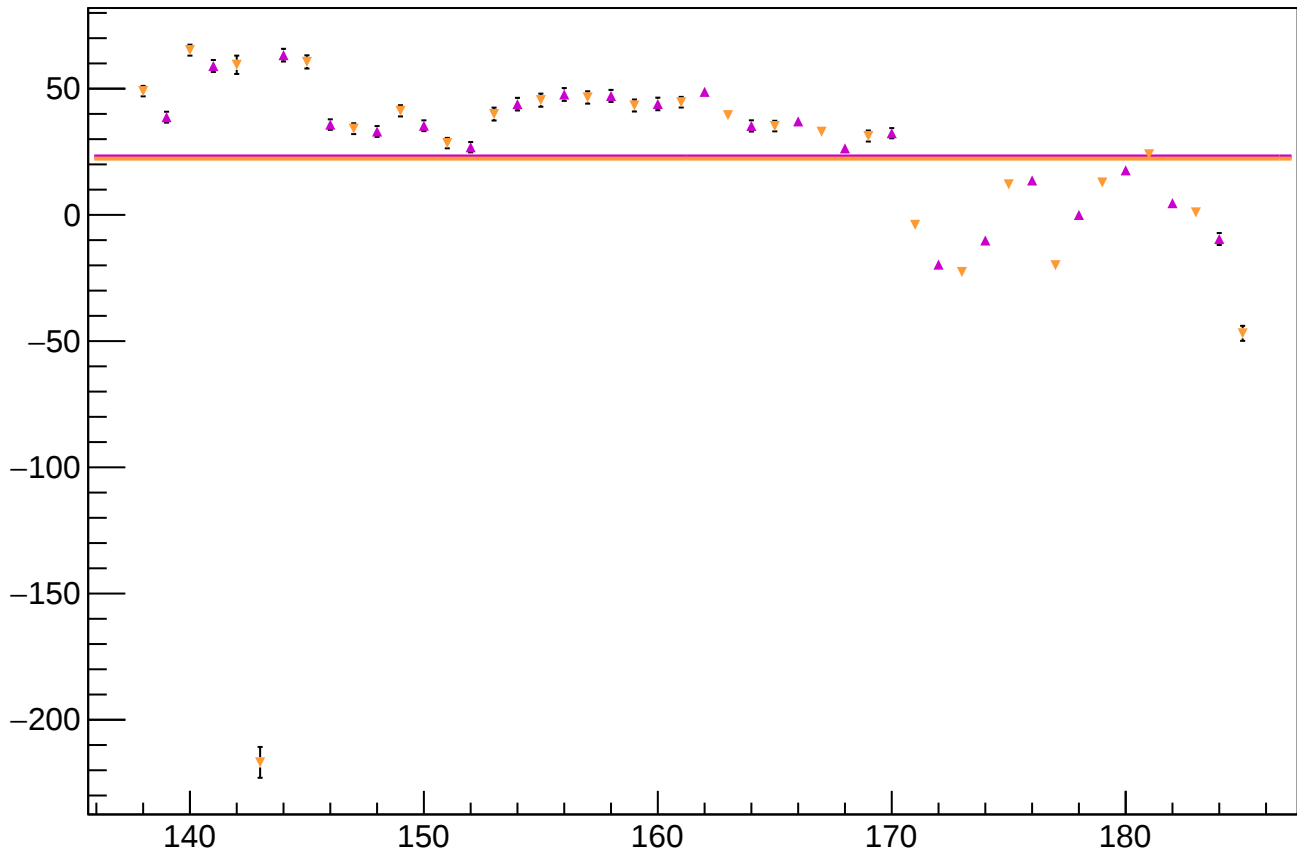
Right: -230.352+/-0.103 χ^2 /NDF: 245477.8/35

In: -259.835+/-0.072 χ^2 /NDF:280430.2/39

Out: -251.719+/-0.069 χ^2 /NDF:378525.6/43

All: -255.628+/-0.050 χ^2 /NDF: 665610.4/83

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 22.297+/-0.399 χ^2/NDF : 5167.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 23.136+/-0.401 χ^2/NDF : 2744.7/22

Left: 22.714+/-0.283 χ^2/NDF : 7914.5/47

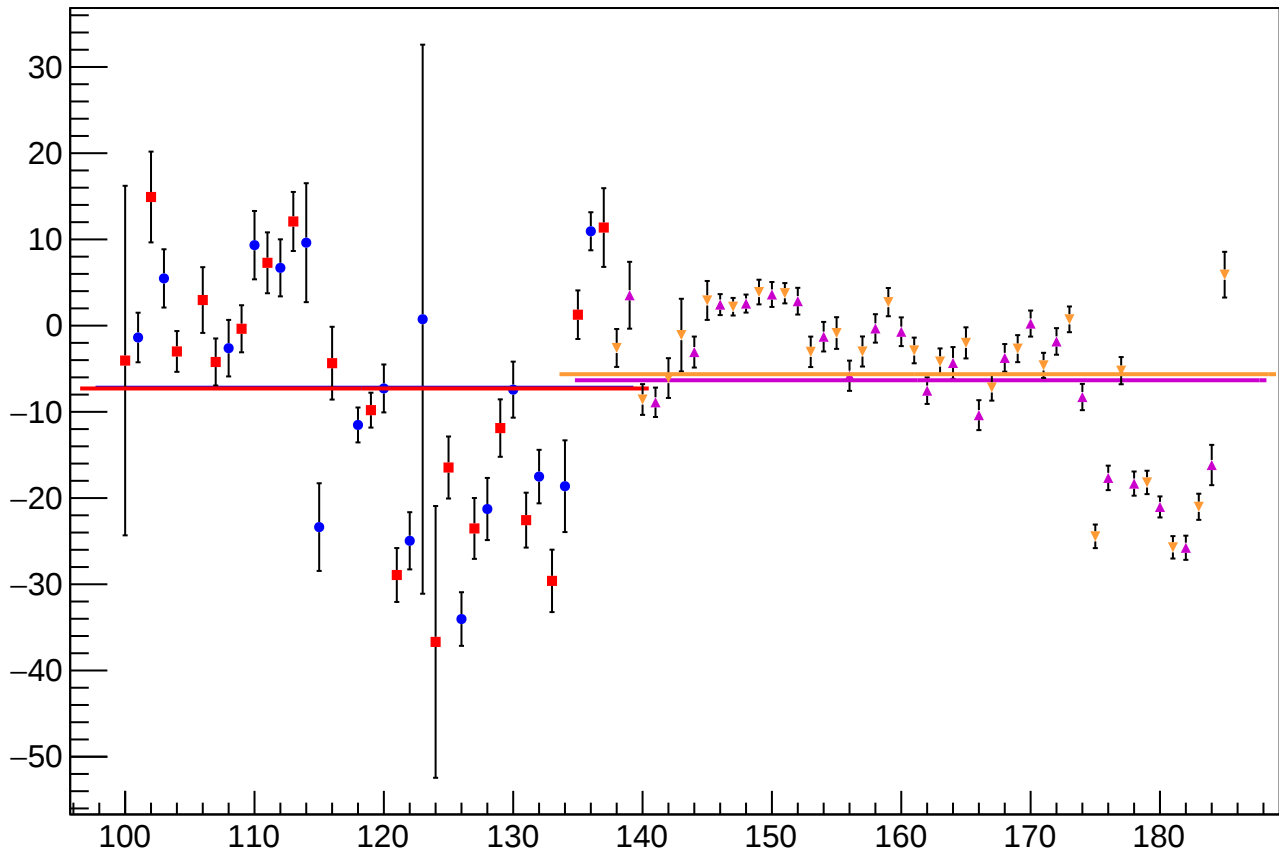
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 23.136+/-0.401 χ^2/NDF : 2744.7/22

Out: 22.297+/-0.399 χ^2/NDF : 5167.6/24

All: 22.714+/-0.283 χ^2/NDF : 7914.5/47

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.201 ± 0.790 $\chi^2/\text{NDF}: 277.5/16$

Left Out: -5.633 ± 0.316 $\chi^2/\text{NDF}: 891.2/24$

Right Out: -7.289 ± 0.762 $\chi^2/\text{NDF}: 255.0/18$

Left In: -6.337 ± 0.321 $\chi^2/\text{NDF}: 783.0/22$

Left: -5.979 ± 0.225 $\chi^2/\text{NDF}: 1676.6/47$

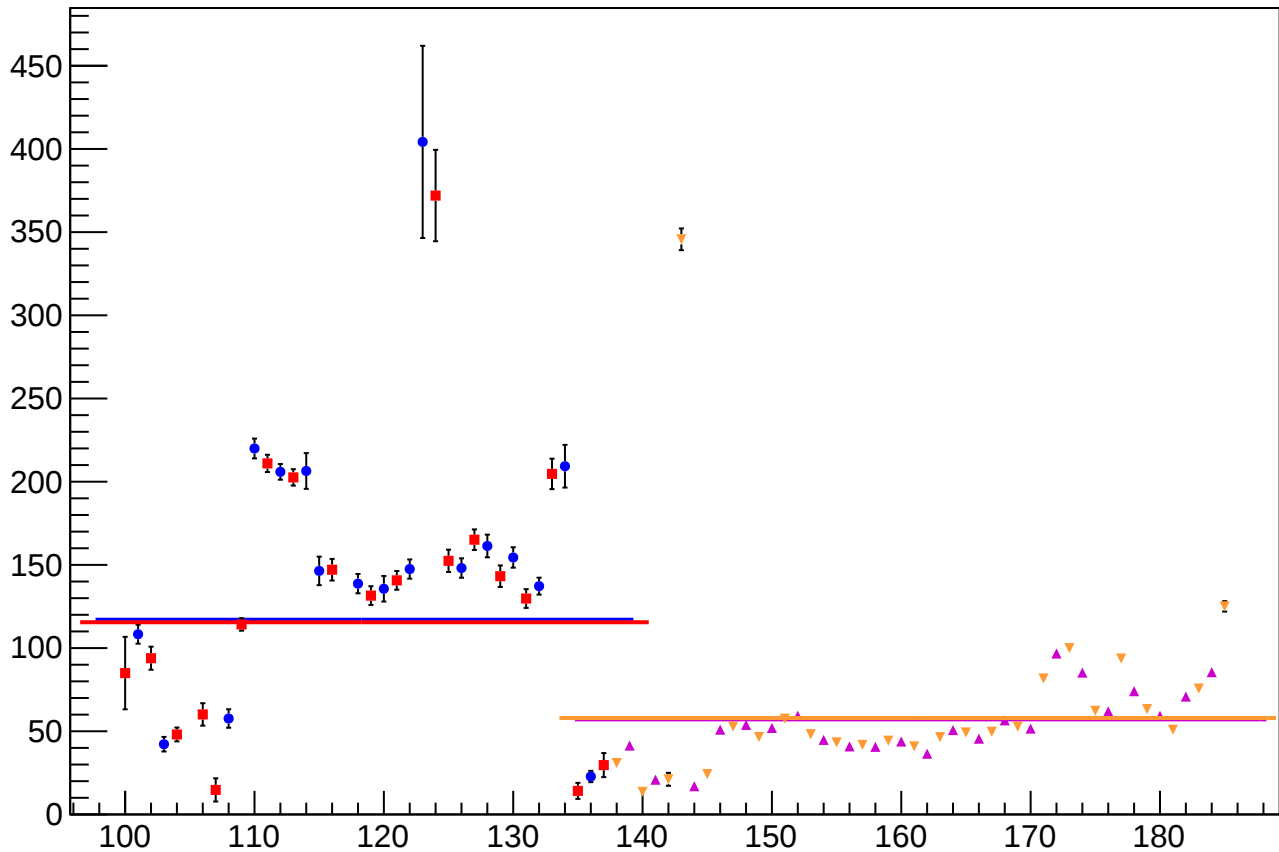
Right: -7.247 ± 0.548 $\chi^2/\text{NDF}: 532.5/35$

In: -6.459 ± 0.298 $\chi^2/\text{NDF}: 1061.5/39$

Out: -5.876 ± 0.292 $\chi^2/\text{NDF}: 1150.3/43$

All: -6.162 ± 0.208 $\chi^2/\text{NDF}: 2213.7/83$

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.046 $\pm$ 1.419 χ^2 /NDF: 2159.0/16

Left Out: 57.973 $\pm$ 0.398 χ^2 /NDF:4632.9/24

Right Out: 115.529 $\pm$ 1.363 χ^2 /NDF: 2135.6/18

Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

Left: 57.558 $\pm$ 0.282 χ^2 /NDF: 6438.5/47

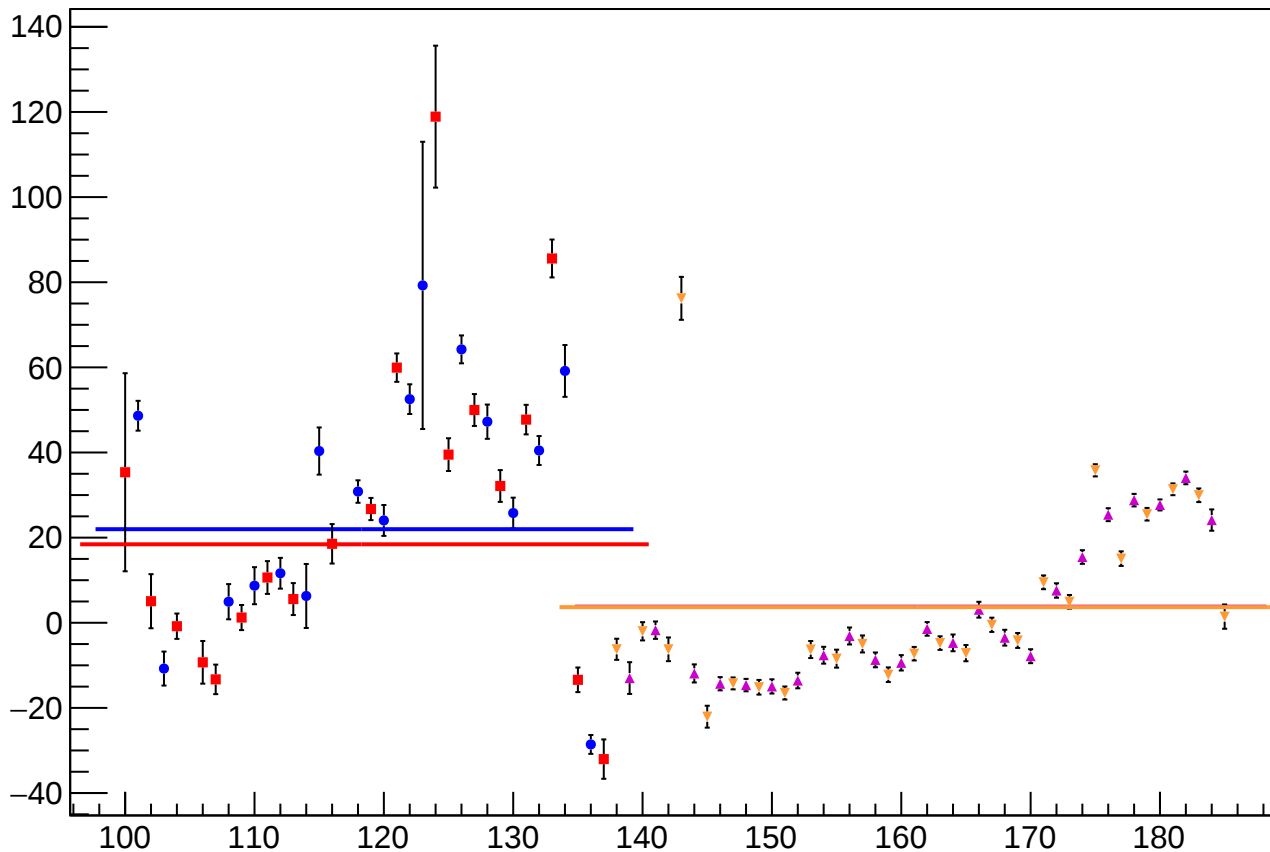
Right: 116.257 $\pm$ 0.983 χ^2 /NDF: 4295.2/35

In: 61.539 $\pm$ 0.385 χ^2 /NDF:5613.3/39

Out: 62.496 $\pm$ 0.382 χ^2 /NDF:8411.5/43

All: 62.021 $\pm$ 0.271 χ^2 /NDF: 14028.0/83

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.981 $\pm$ 0.900 χ^2 /NDF: 1061.2/16

Left Out: 3.670 $\pm$ 0.357 χ^2 /NDF:2536.8/24

Right Out: 18.432 $\pm$ 0.873 χ^2 /NDF: 1066.0/18

Left In: 3.786 $\pm$ 0.362 χ^2 /NDF:2198.8/22

Left: 3.727 $\pm$ 0.254 χ^2 /NDF: 4735.6/47

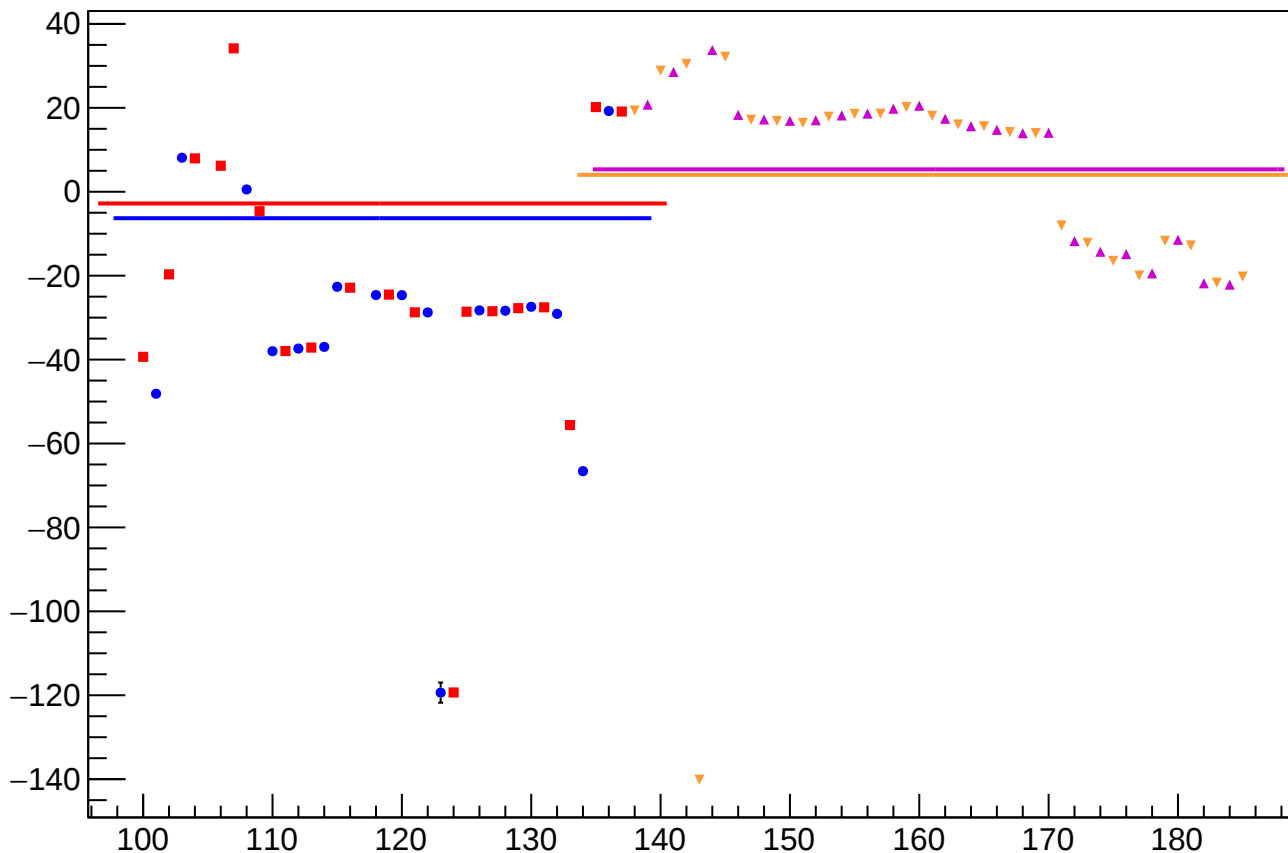
Right: 20.151 $\pm$ 0.627 χ^2 /NDF: 2135.2/35

In: 6.315 $\pm$ 0.336 χ^2 /NDF:3611.7/39

Out: 5.785 $\pm$ 0.330 χ^2 /NDF:3848.0/43

All: 6.046 $\pm$ 0.235 χ^2 /NDF: 7460.9/83

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.304 ± 0.046 χ^2/NDF : 264097.6/16

Left Out: 4.036 ± 0.016 χ^2/NDF : 1382123.0/24

Right Out: -2.793 ± 0.046 χ^2/NDF : 265022.4/18

Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

Left: 4.684 ± 0.012 χ^2/NDF : 2463079.4/47

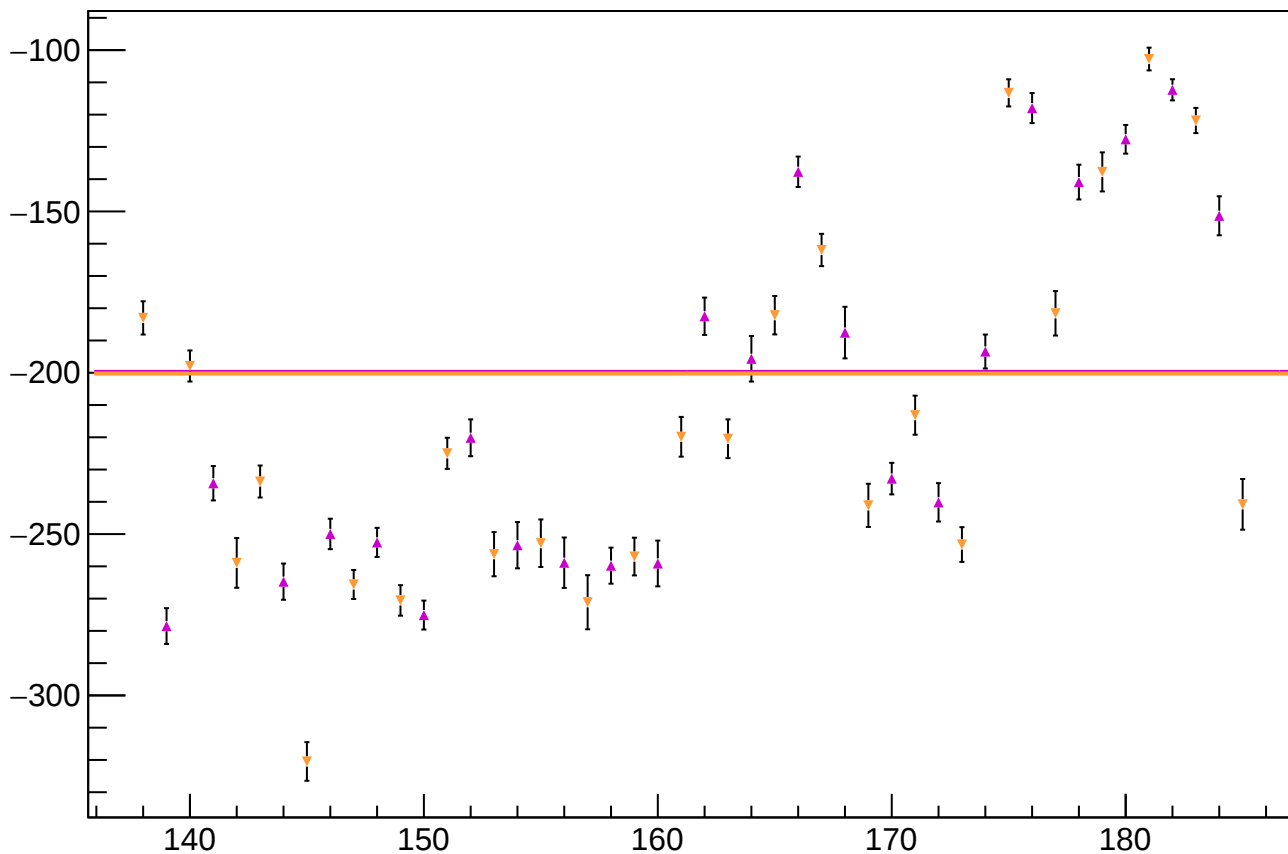
Right: -4.527 ± 0.033 χ^2/NDF : 532023.6/35

In: 4.038 ± 0.015 χ^2/NDF : 1397910.0/39

Out: 3.263 ± 0.015 χ^2/NDF : 1666875.4/43

All: 3.648 ± 0.011 χ^2/NDF : 3066043.9/83

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -200.242+/-1.078 χ^2/NDF :3225.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -199.739+/-1.097 χ^2/NDF :2968.0/22

Left: -199.995+/-0.769 χ^2/NDF : 6193.6/47

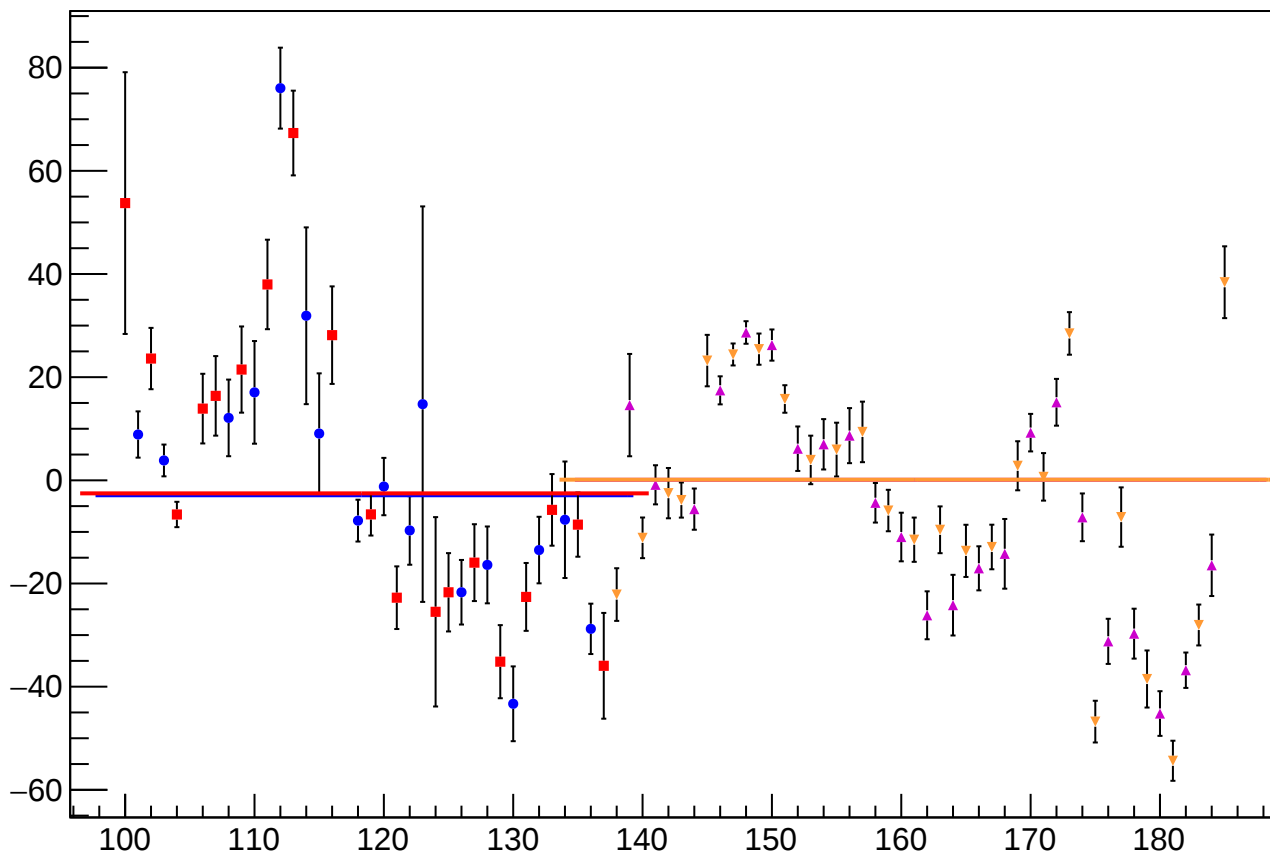
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -199.739+/-1.097 χ^2/NDF :2968.0/22

Out: -200.242+/-1.078 χ^2/NDF :3225.4/24

All: -199.995+/-0.769 χ^2/NDF : 6193.6/47

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.891 ± 1.469 χ^2/NDF : 203.4/16

Left Out: 0.128 ± 0.807 χ^2/NDF : 829.7/24

Right Out: -2.525 ± 1.398 χ^2/NDF : 217.5/18

Left In: 0.097 ± 0.838 χ^2/NDF : 715.5/22

Left: 0.113 ± 0.581 χ^2/NDF : 1545.1/47

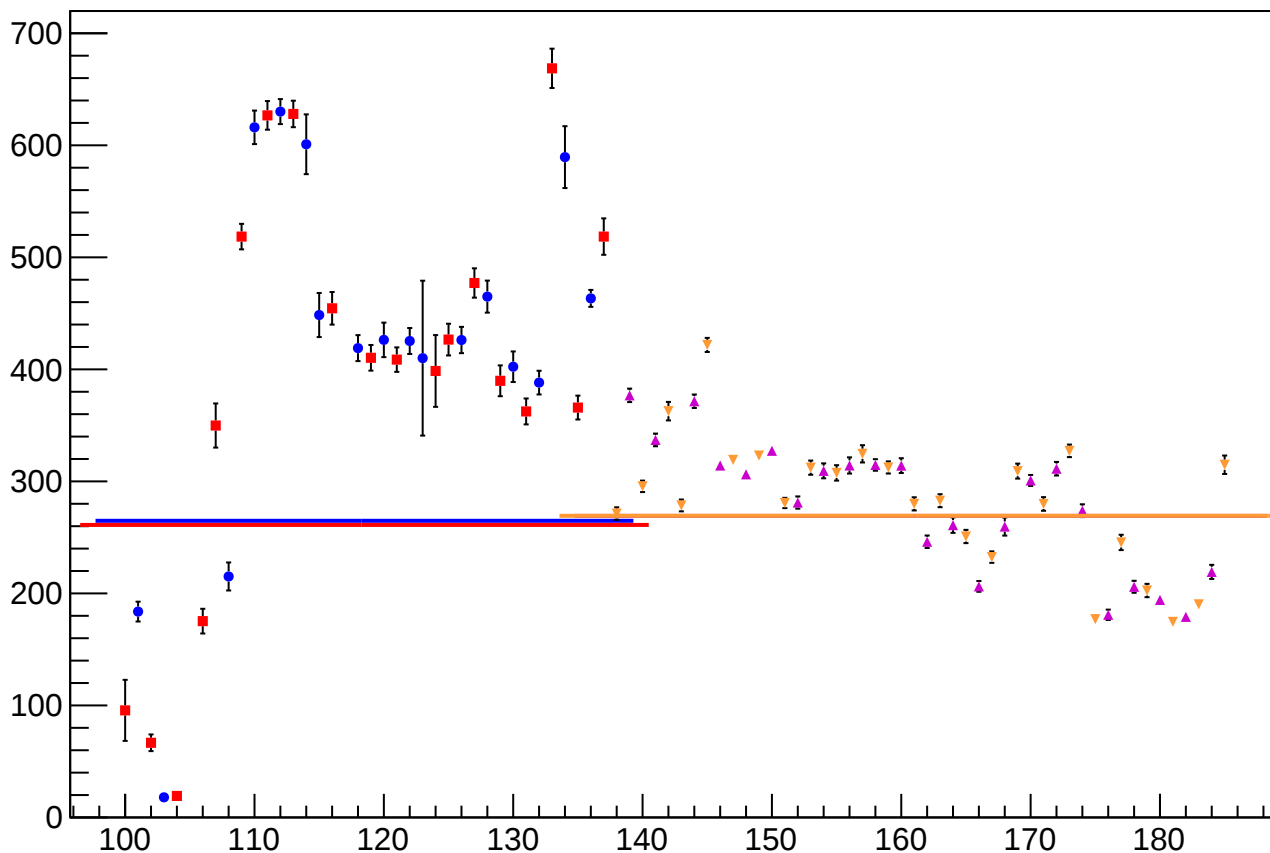
Right: -2.699 ± 1.013 χ^2/NDF : 420.9/35

In: -0.636 ± 0.728 χ^2/NDF : 922.0/39

Out: -0.536 ± 0.699 χ^2/NDF : 1049.8/43

All: -0.584 ± 0.504 χ^2/NDF : 1971.9/83

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 264.819+/-2.491 χ^2/NDF : 7613.2/16

Left Out: 269.290+/-1.078 χ^2/NDF : 3147.3/24

Right Out: 261.125+/-2.460 χ^2/NDF : 8195.5/18

Left In: 269.191+/-1.091 χ^2/NDF : 3170.2/22

Left: 269.241+/-0.767 χ^2/NDF : 6317.5/47

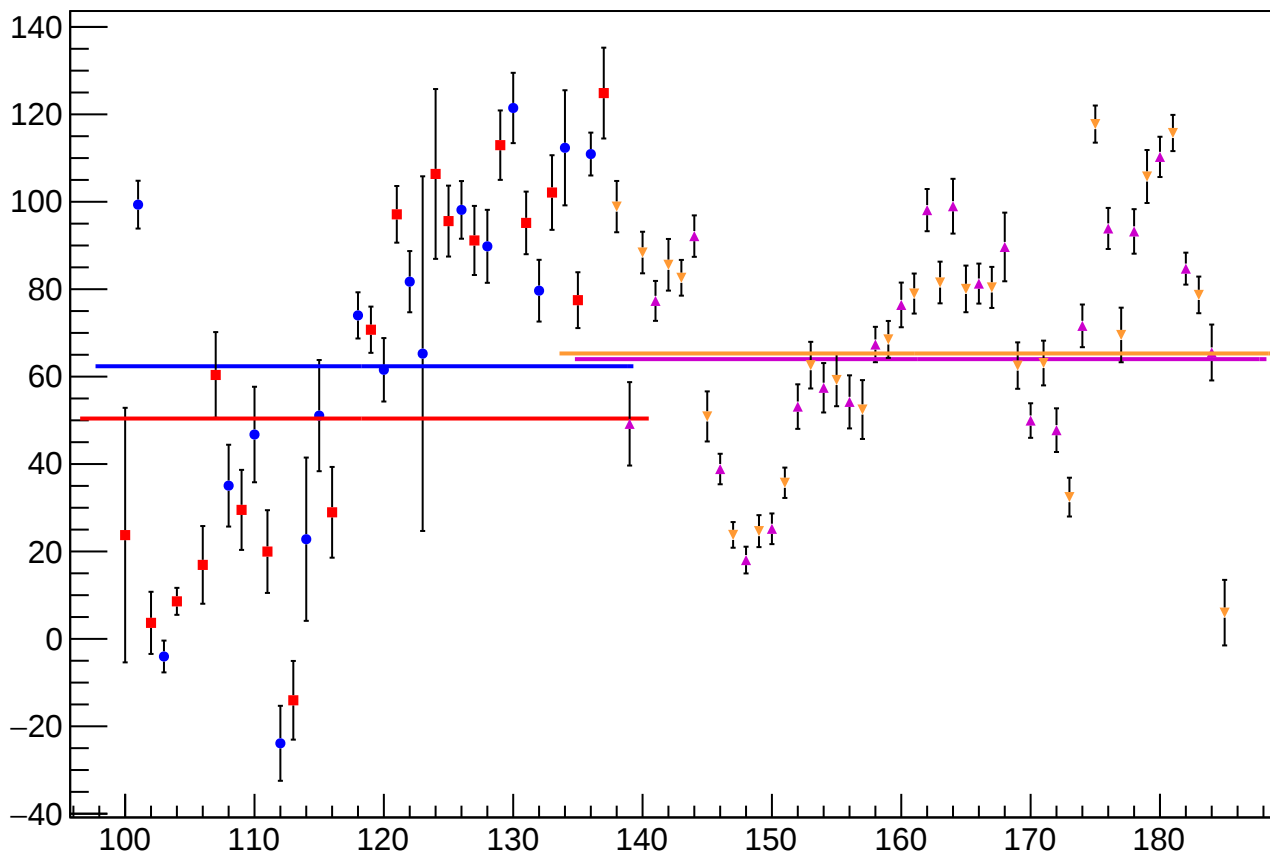
Right: 262.949+/-1.751 χ^2/NDF : 15809.8/35

In: 268.488+/-0.999 χ^2/NDF : 10786.0/39

Out: 267.975+/-0.987 χ^2/NDF : 11352.0/43

All: 268.228+/-0.702 χ^2/NDF : 22138.1/83

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.373 ± 1.697 $\chi^2/\text{NDF}: 720.9/16$

Left Out: 65.297 ± 0.935 $\chi^2/\text{NDF}: 1006.3/24$

Right Out: 50.412 ± 1.644 $\chi^2/\text{NDF}: 653.8/18$

Left In: 63.999 ± 0.963 $\chi^2/\text{NDF}: 799.5/22$

Left: 64.667 ± 0.671 $\chi^2/\text{NDF}: 1806.7/47$

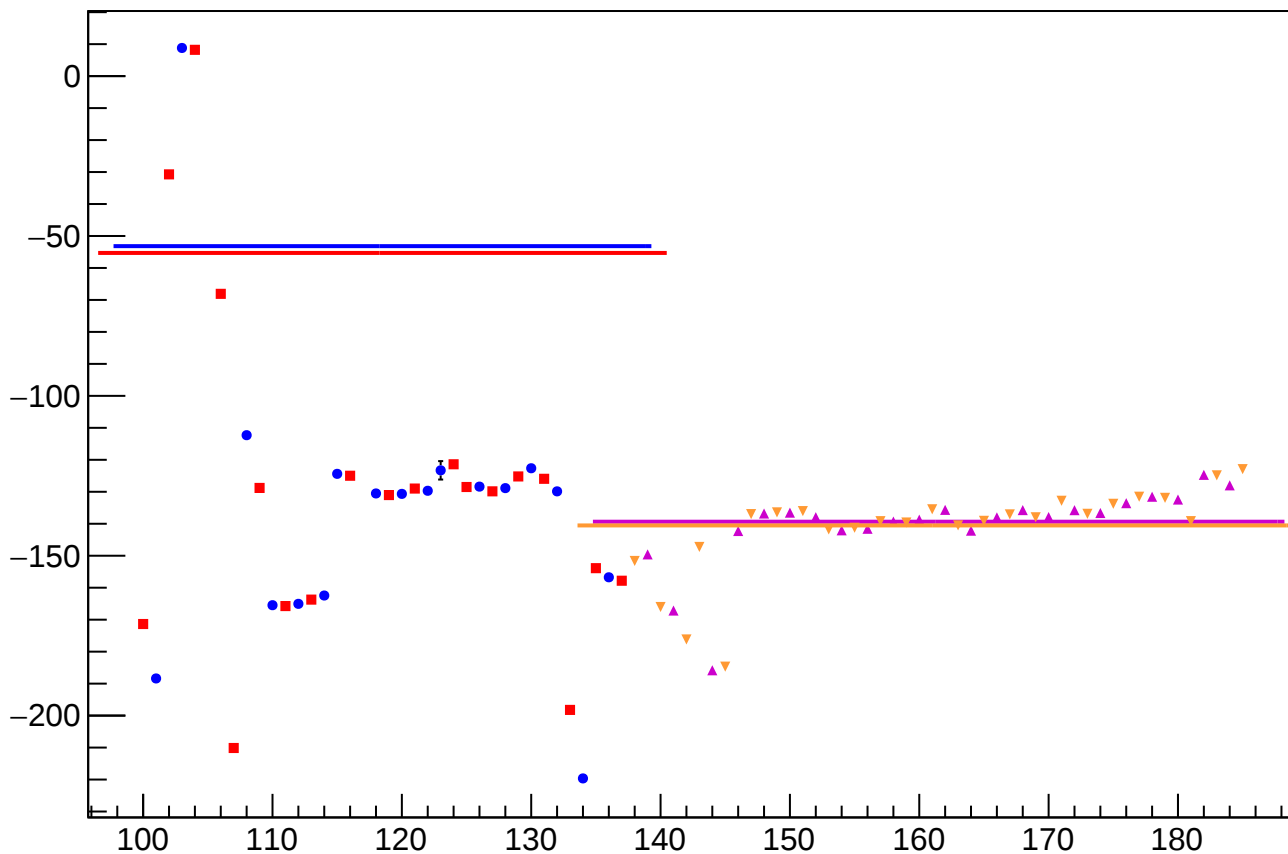
Right: 56.204 ± 1.181 $\chi^2/\text{NDF}: 1400.3/35$

In: 63.603 ± 0.837 $\chi^2/\text{NDF}: 1521.0/39$

Out: 61.661 ± 0.813 $\chi^2/\text{NDF}: 1722.1/43$

All: 62.603 ± 0.583 $\chi^2/\text{NDF}: 3245.9/83$

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.177 $\pm$ 0.070 χ^2 /NDF: 1223993.8/16

Left Out: -140.525 $\pm$ 0.045 χ^2 /NDF: 77434.7/24

Right Out: -55.301 $\pm$ 0.072 χ^2 /NDF: 965954.6/18

Left In: -139.360 $\pm$ 0.045 χ^2 /NDF: 62449.0/22

Left: -139.948 $\pm$ 0.032 χ^2 /NDF: 140222.2/47

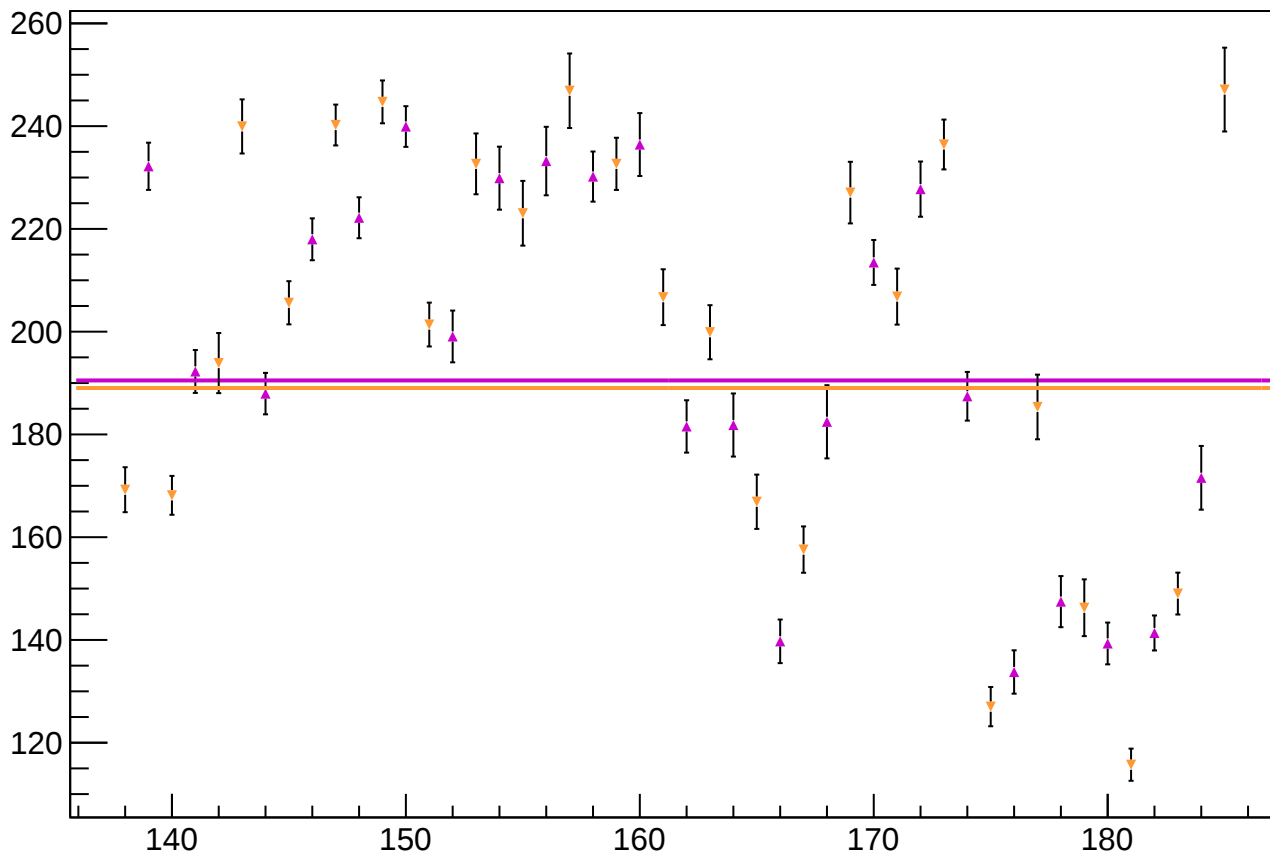
Right: -54.216 $\pm$ 0.050 χ^2 /NDF: 2190393.3/35

In: -114.378 $\pm$ 0.038 χ^2 /NDF: 2349211.4/39

Out: -116.913 $\pm$ 0.038 χ^2 /NDF: 2056750.4/43

All: -115.647 $\pm$ 0.027 χ^2 /NDF: 4408198.7/83

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 189.033+/-0.956 χ^2/NDF :1981.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 190.506+/-0.975 χ^2/NDF :1412.7/22

Left: 189.755+/-0.683 χ^2/NDF : 3395.0/47

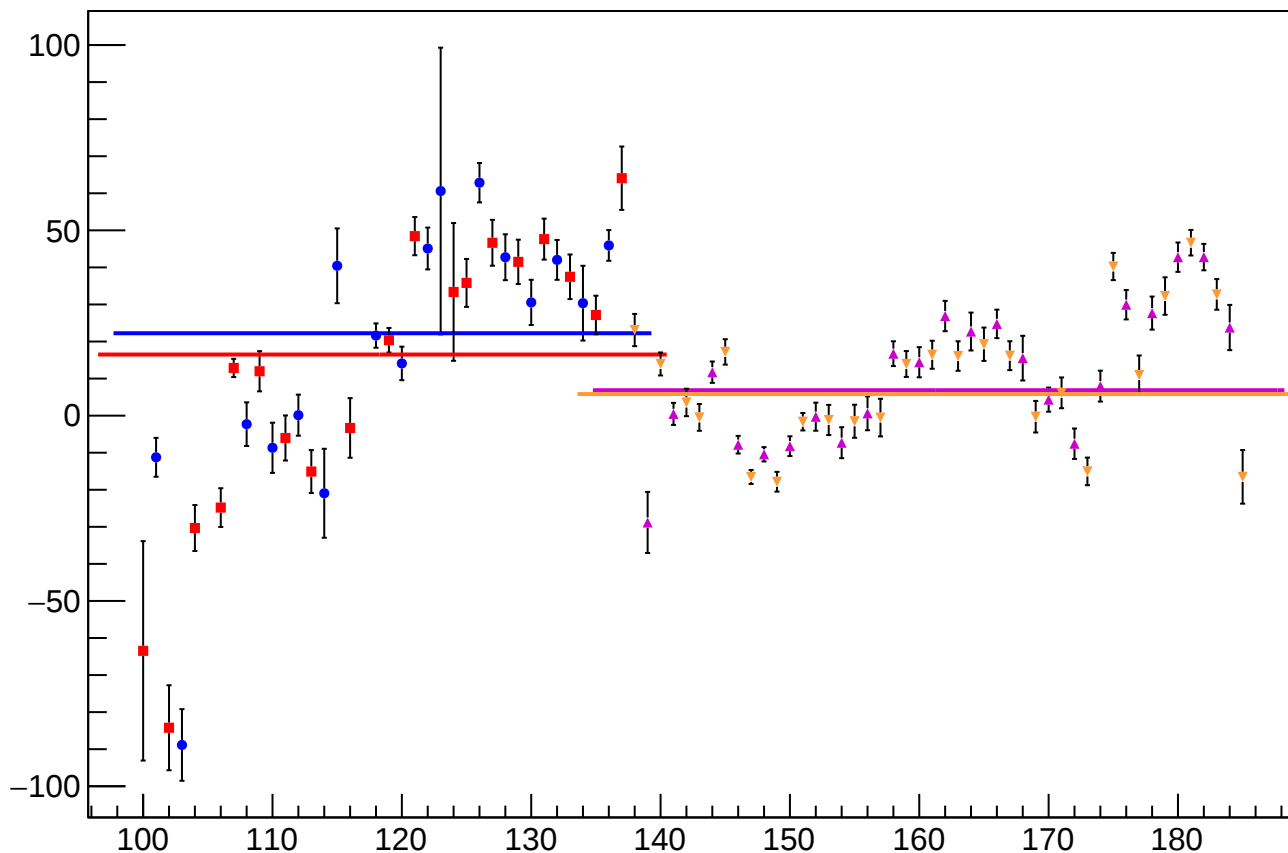
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 190.506+/-0.975 χ^2/NDF :1412.7/22

Out: 189.033+/-0.956 χ^2/NDF :1981.2/24

All: 189.755+/-0.683 χ^2/NDF : 3395.0/47

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.234 $\pm$ 1.398 χ^2 /NDF: 382.0/16

Left Out: 5.824 $\pm$ 0.713 χ^2 /NDF: 651.2/24

Right Out: 16.492 $\pm$ 1.229 χ^2 /NDF: 426.0/18

Left In: 6.862 $\pm$ 0.736 χ^2 /NDF: 522.7/22

Left: 6.326 $\pm$ 0.512 χ^2 /NDF: 1175.0/47

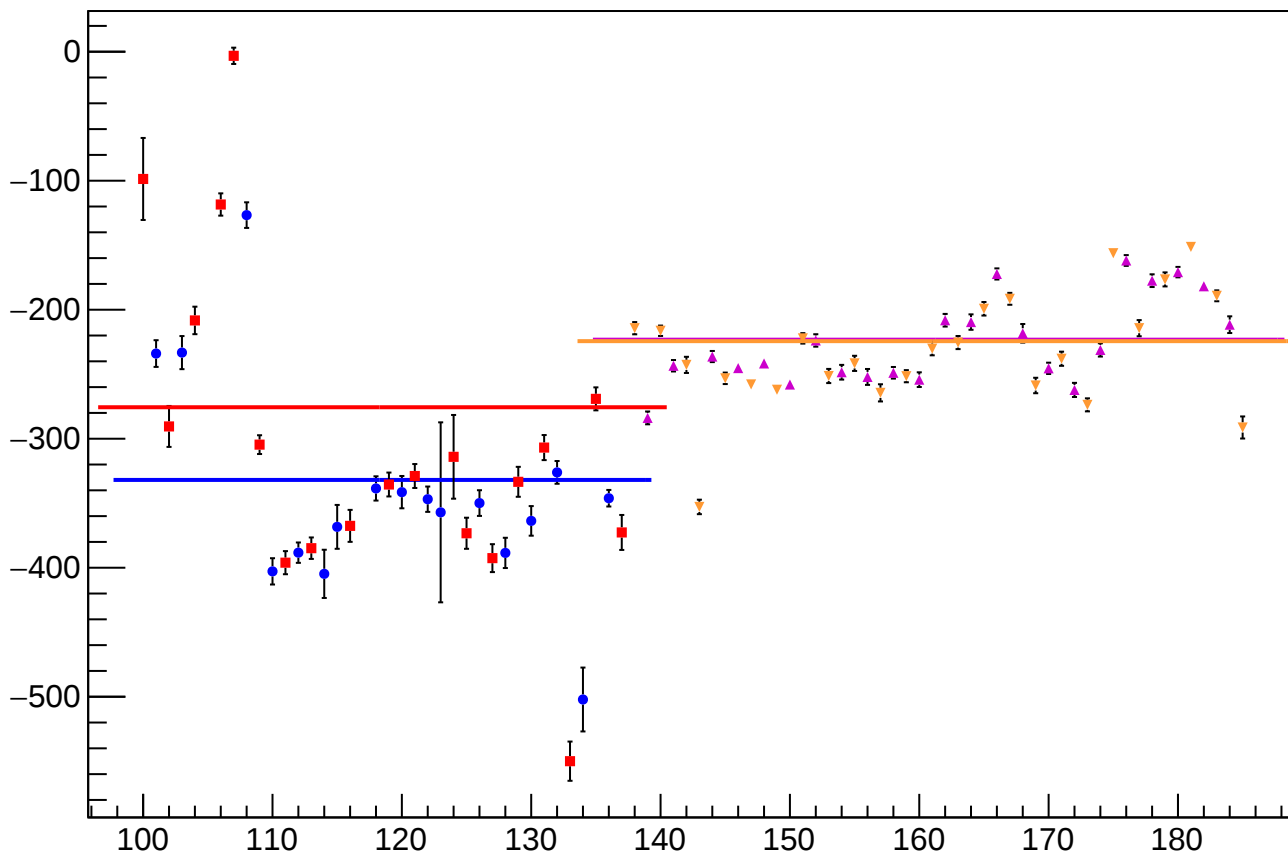
Right: 18.994 $\pm$ 0.923 χ^2 /NDF: 817.5/35

In: 10.199 $\pm$ 0.651 χ^2 /NDF: 999.4/39

Out: 8.509 $\pm$ 0.616 χ^2 /NDF: 1133.7/43

All: 9.307 $\pm$ 0.448 χ^2 /NDF: 2136.6/83

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.943 ± 2.586 $\chi^2/\text{NDF}: 785.9/16$

Left Out: -224.365 ± 0.956 $\chi^2/\text{NDF}: 2103.5/24$

Right Out: -275.603 ± 2.328 $\chi^2/\text{NDF}: 3358.3/18$

Left In: -223.223 ± 0.969 $\chi^2/\text{NDF}: 1269.3/22$

Left: -223.801 ± 0.681 $\chi^2/\text{NDF}: 3373.5/47$

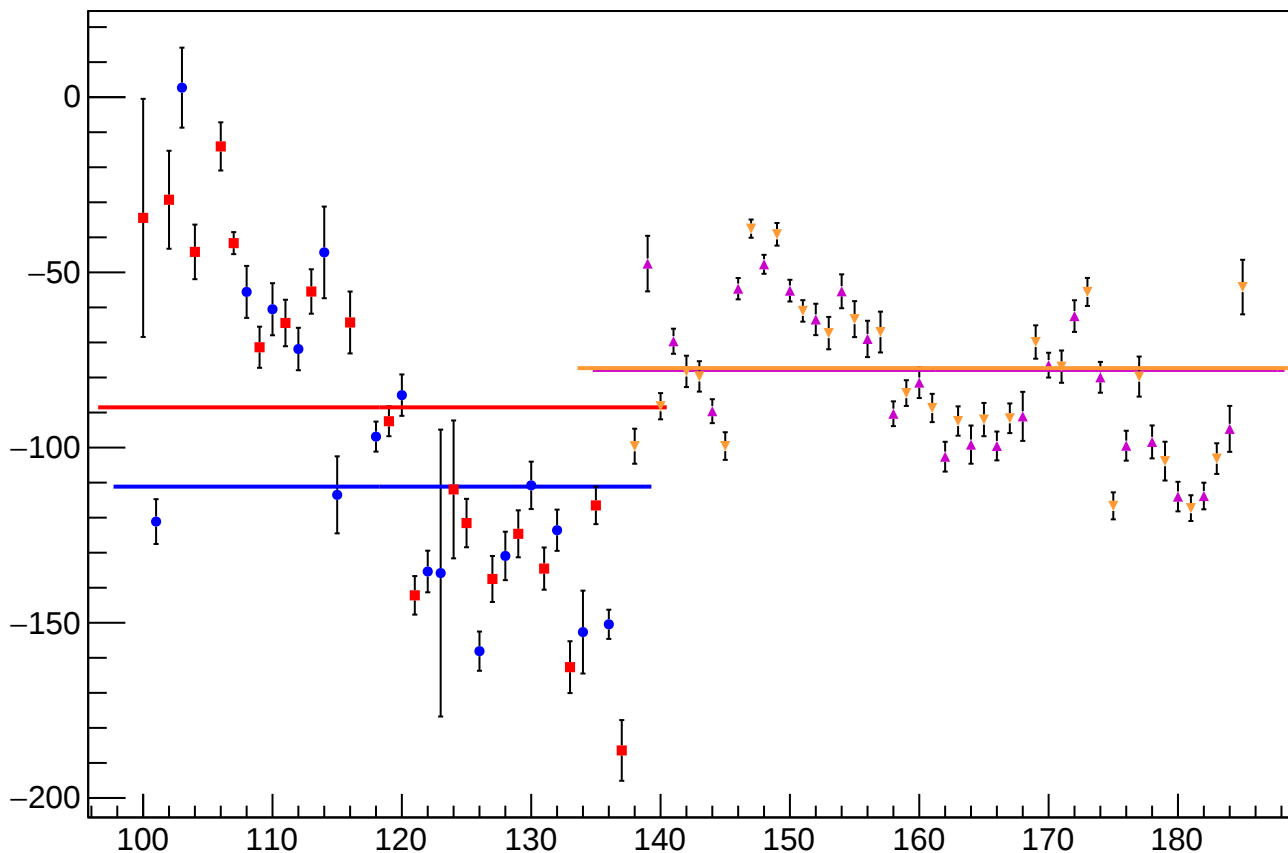
Right: -300.823 ± 1.730 $\chi^2/\text{NDF}: 4406.4/35$

In: -236.616 ± 0.908 $\chi^2/\text{NDF}: 3605.3/39$

Out: -231.762 ± 0.884 $\chi^2/\text{NDF}: 5876.4/43$

All: -234.127 ± 0.633 $\chi^2/\text{NDF}: 9496.4/83$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.144+/-1.601 χ^2/NDF : 504.6/16

Left Out: -77.328+/-0.827 χ^2/NDF : 845.2/24

Right Out: -88.517+/-1.435 χ^2/NDF : 968.7/18

Left In: -77.838+/-0.849 χ^2/NDF : 622.8/22

Left: -77.577+/-0.592 χ^2/NDF : 1468.2/47

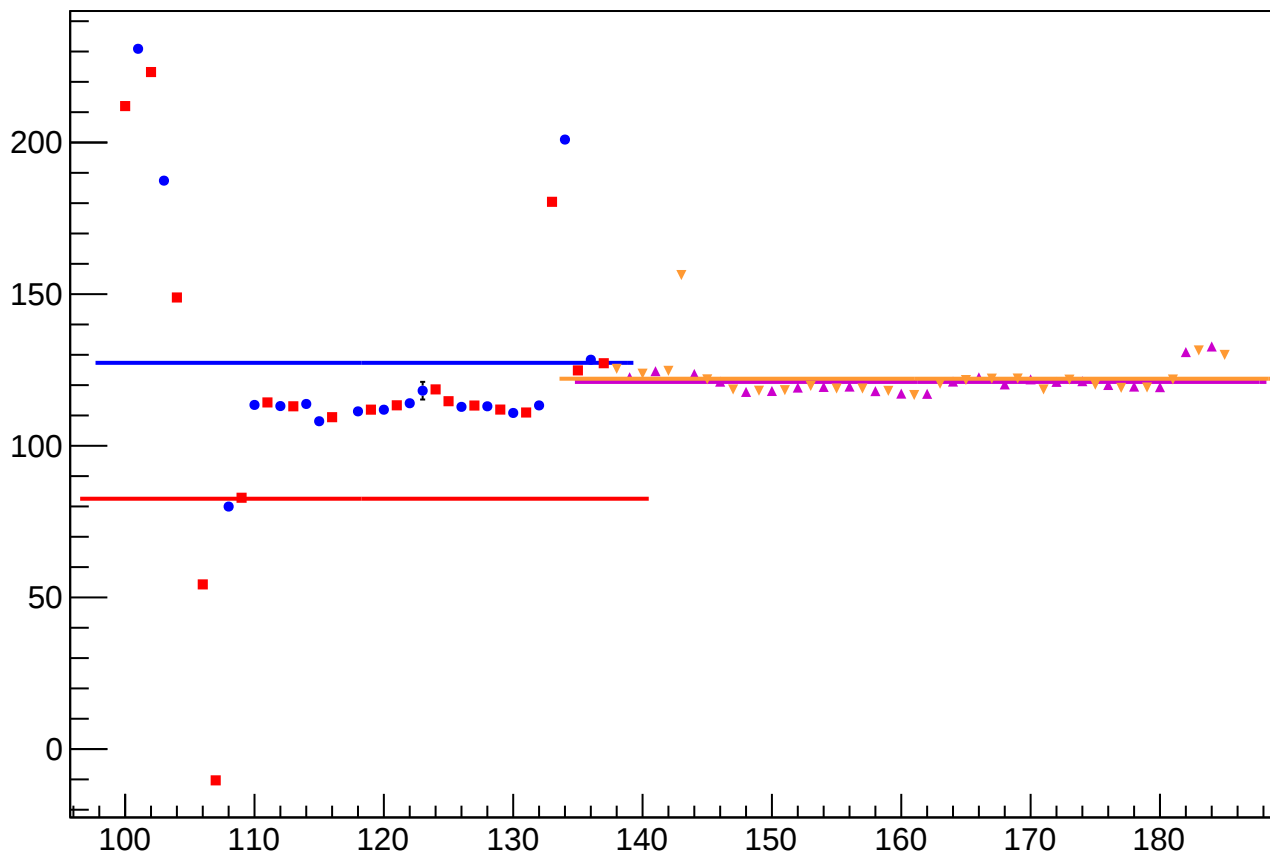
Right: -98.597+/-1.069 χ^2/NDF : 1584.1/35

In: -85.146+/-0.750 χ^2/NDF : 1465.3/39

Out: -80.116+/-0.716 χ^2/NDF : 1859.5/43

All: -82.516+/-0.518 χ^2/NDF : 3348.3/83

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.355 $\pm$ 0.090 χ^2 /NDF: 187728.6/16

Left Out: 122.116 $\pm$ 0.039 χ^2 /NDF:30463.8/24

Right Out: 82.546 $\pm$ 0.075 χ^2 /NDF: 764737.8/18

Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

Left: 121.590 $\pm$ 0.028 χ^2 /NDF: 38754.8/47

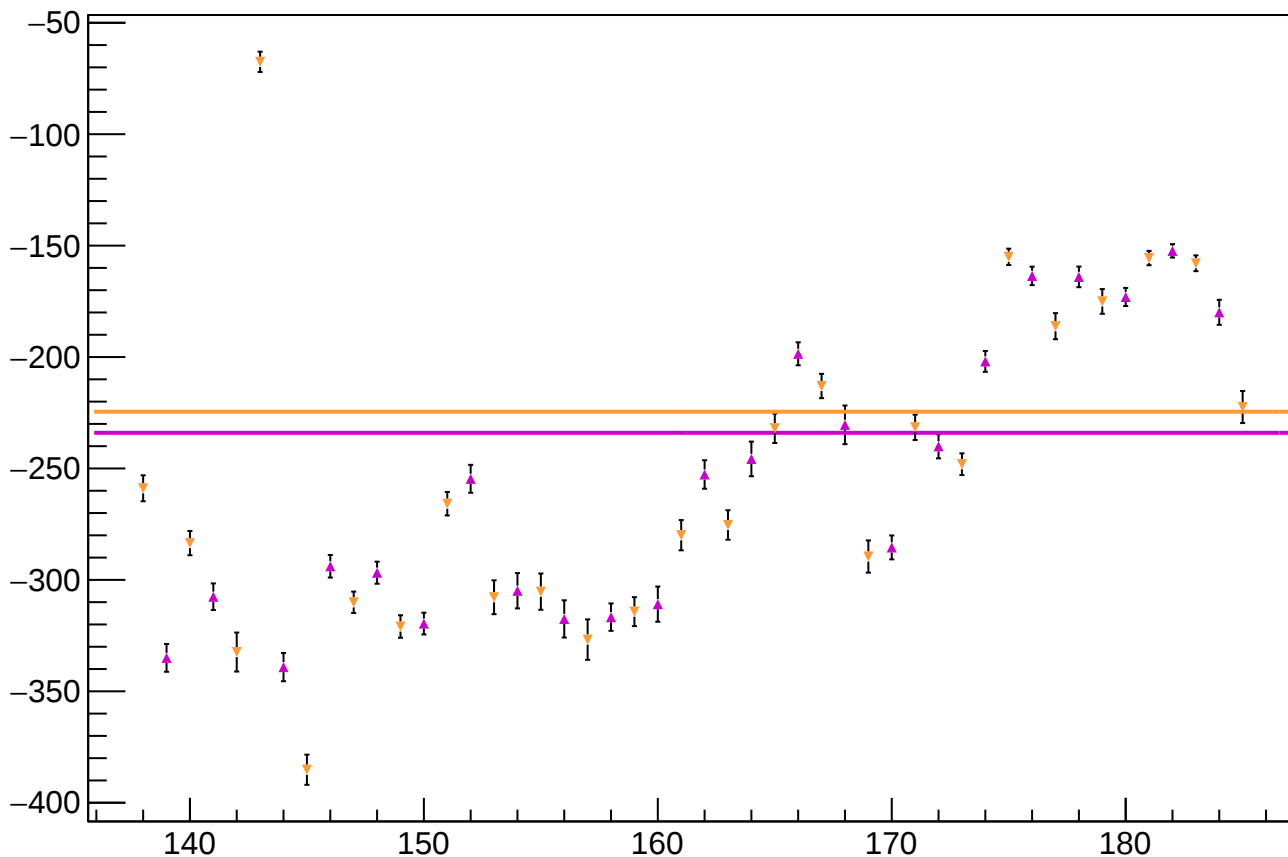
Right: 101.141 $\pm$ 0.058 χ^2 /NDF: 1098909.8/35

In: 122.091 $\pm$ 0.036 χ^2 /NDF:199794.5/39

Out: 113.628 $\pm$ 0.035 χ^2 /NDF:1011370.1/43

All: 117.695 $\pm$ 0.025 χ^2 /NDF: 1239367.4/83

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -224.527+/-1.079 χ^2/NDF : 4869.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -233.988+/-1.109 χ^2/NDF : 3538.4/22

Left: -229.131+/-0.773 χ^2/NDF : 8445.6/47

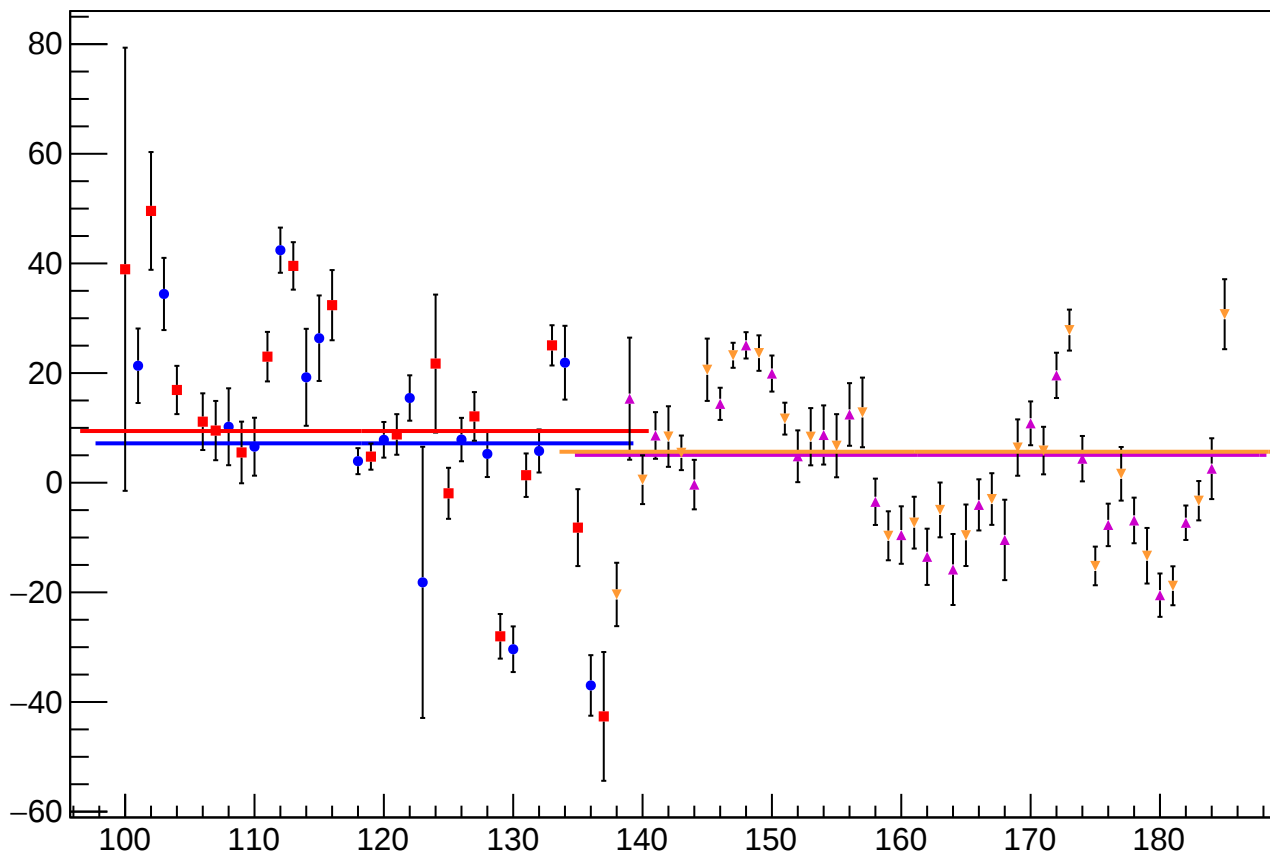
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -233.988+/-1.109 χ^2/NDF : 3538.4/22

Out: -224.527+/-1.079 χ^2/NDF : 4869.8/24

All: -229.131+/-0.773 χ^2/NDF : 8445.6/47

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.181 ± 1.105 χ^2/NDF : 260.1/16

Left Out: 5.649 ± 0.828 χ^2/NDF : 313.4/24

Right Out: 9.427 ± 1.073 χ^2/NDF : 232.3/18

Left In: 5.077 ± 0.869 χ^2/NDF : 239.7/22

Left: 5.377 ± 0.599 χ^2/NDF : 553.3/47

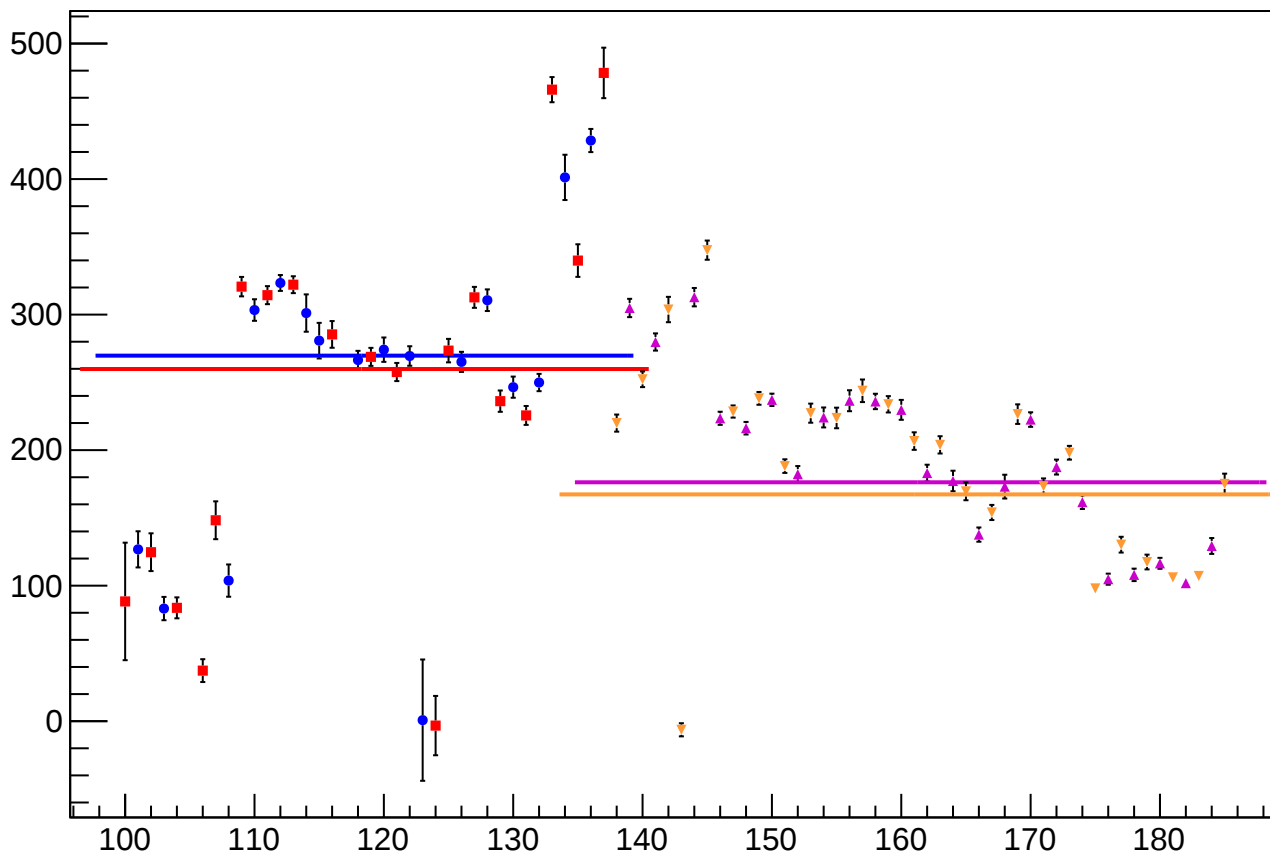
Right: 8.337 ± 0.770 χ^2/NDF : 494.5/35

In: 5.881 ± 0.683 χ^2/NDF : 502.0/39

Out: 7.059 ± 0.655 χ^2/NDF : 553.4/43

All: 6.494 ± 0.473 χ^2/NDF : 1057.0/83

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.720 $\pm$ 2.094 χ^2 /NDF: 1375.9/16

Left Out: 167.346 $\pm$ 1.083 χ^2 /NDF:4454.1/24

Right Out: 259.848 $\pm$ 1.981 χ^2 /NDF: 2540.4/18

Left In: 176.272 $\pm$ 1.106 χ^2 /NDF:3169.5/22

Left: 171.715 $\pm$ 0.774 χ^2 /NDF: 7656.9/47

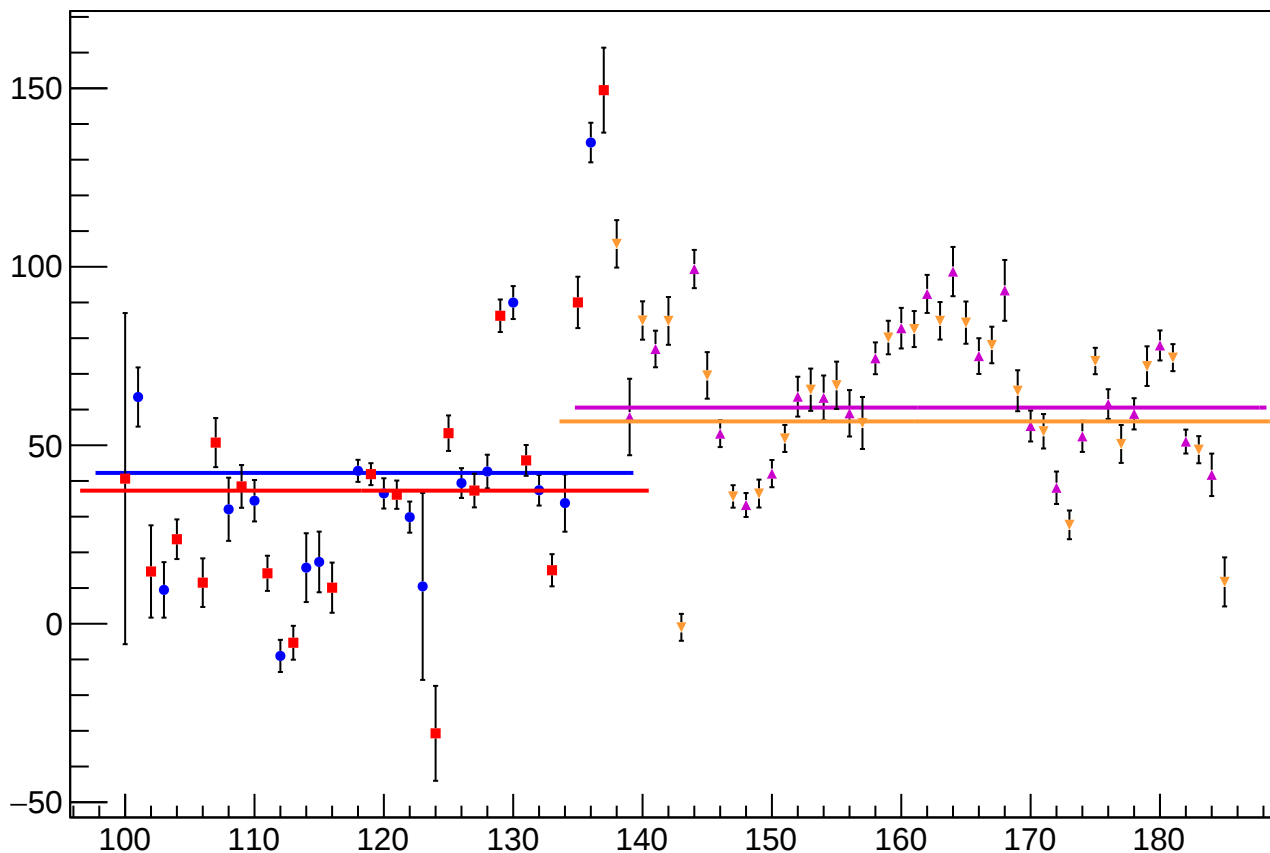
Right: 264.510 $\pm$ 1.439 χ^2 /NDF: 3928.0/35

In: 196.646 $\pm$ 0.978 χ^2 /NDF:6102.7/39

Out: 188.630 $\pm$ 0.950 χ^2 /NDF:8673.8/43

All: 192.523 $\pm$ 0.681 χ^2 /NDF: 14811.1/83

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.255 $\pm$ 1.277 χ^2/NDF : 573.1/16

Left Out: 56.683 $\pm$ 0.952 χ^2/NDF :690.6/24

Right Out: 37.288 $\pm$ 1.237 χ^2/NDF : 470.5/18

Left In: 60.555 $\pm$ 0.990 χ^2/NDF :335.6/22

Left: 58.543 $\pm$ 0.686 χ^2/NDF : 1034.2/47

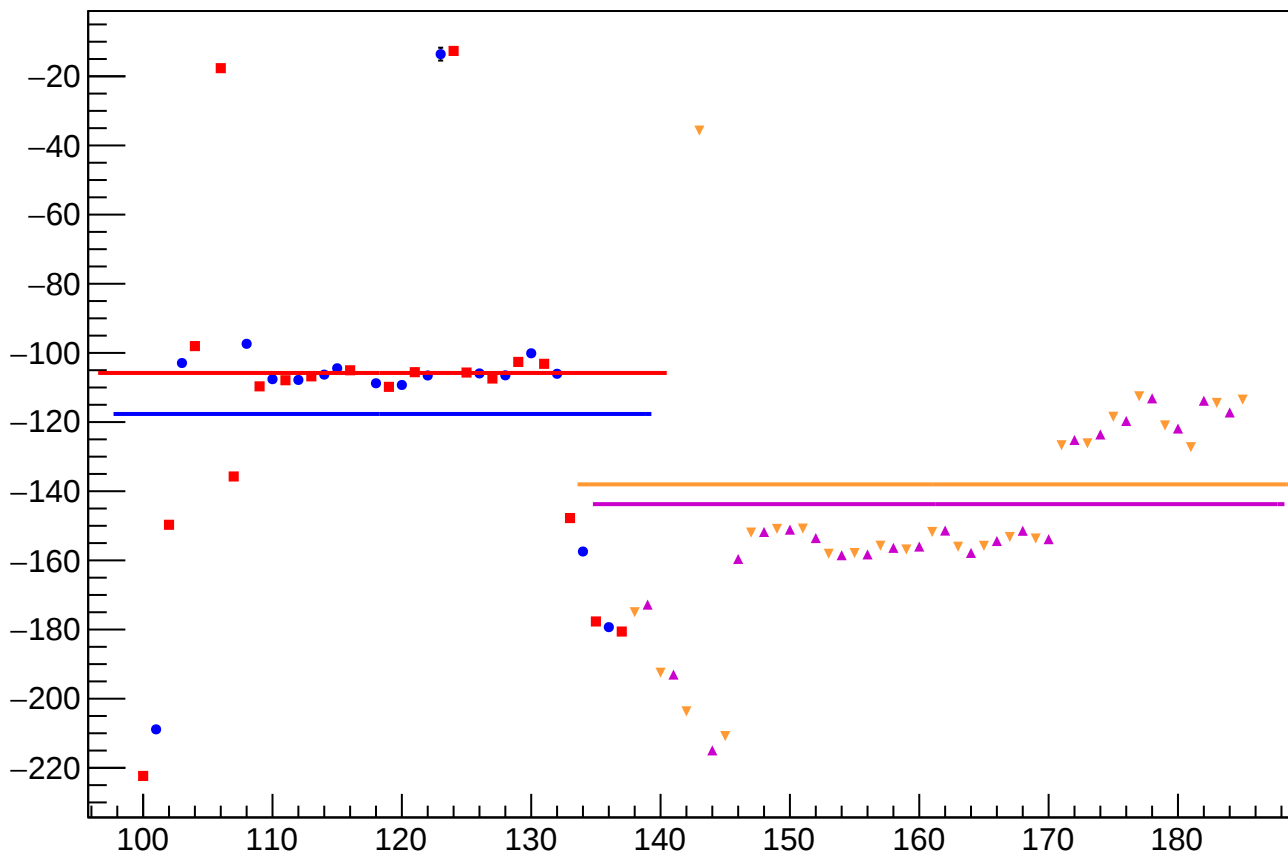
Right: 39.693 $\pm$ 0.888 χ^2/NDF : 1051.4/35

In: 53.681 $\pm$ 0.782 χ^2/NDF :1037.0/39

Out: 49.470 $\pm$ 0.754 χ^2/NDF :1315.6/43

All: 51.499 $\pm$ 0.543 χ^2/NDF : 2367.6/83

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.654+/-0.079 χ^2/NDF : 141832.7/16

Left Out: -138.020+/-0.045 χ^2/NDF : 565634.9/24

Right Out: -105.797+/-0.073 χ^2/NDF : 323120.4/18

Left In: -143.735+/-0.046 χ^2/NDF : 258408.3/22

Left: -140.818+/-0.032 χ^2/NDF : 831888.7/47

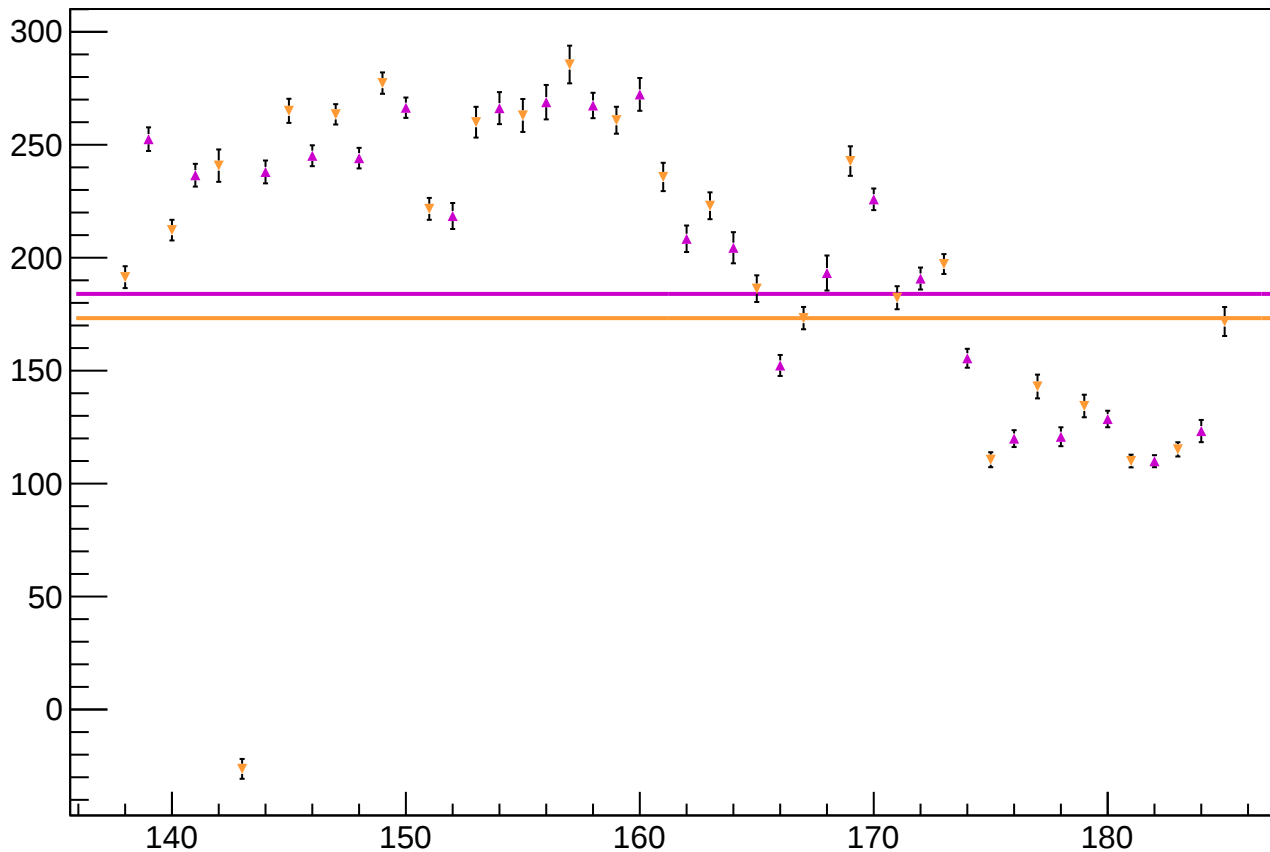
Right: -111.277+/-0.053 χ^2/NDF : 477176.1/35

In: -137.067+/-0.040 χ^2/NDF : 482073.9/39

Out: -129.091+/-0.038 χ^2/NDF : 1029958.1/43

All: -132.937+/-0.028 χ^2/NDF : 1532858.3/83

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 173.249+/-0.966 χ^2/NDF :5845.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 183.984+/-0.991 χ^2/NDF :3613.7/22

Left: 178.479+/-0.692 χ^2/NDF : 9519.4/47

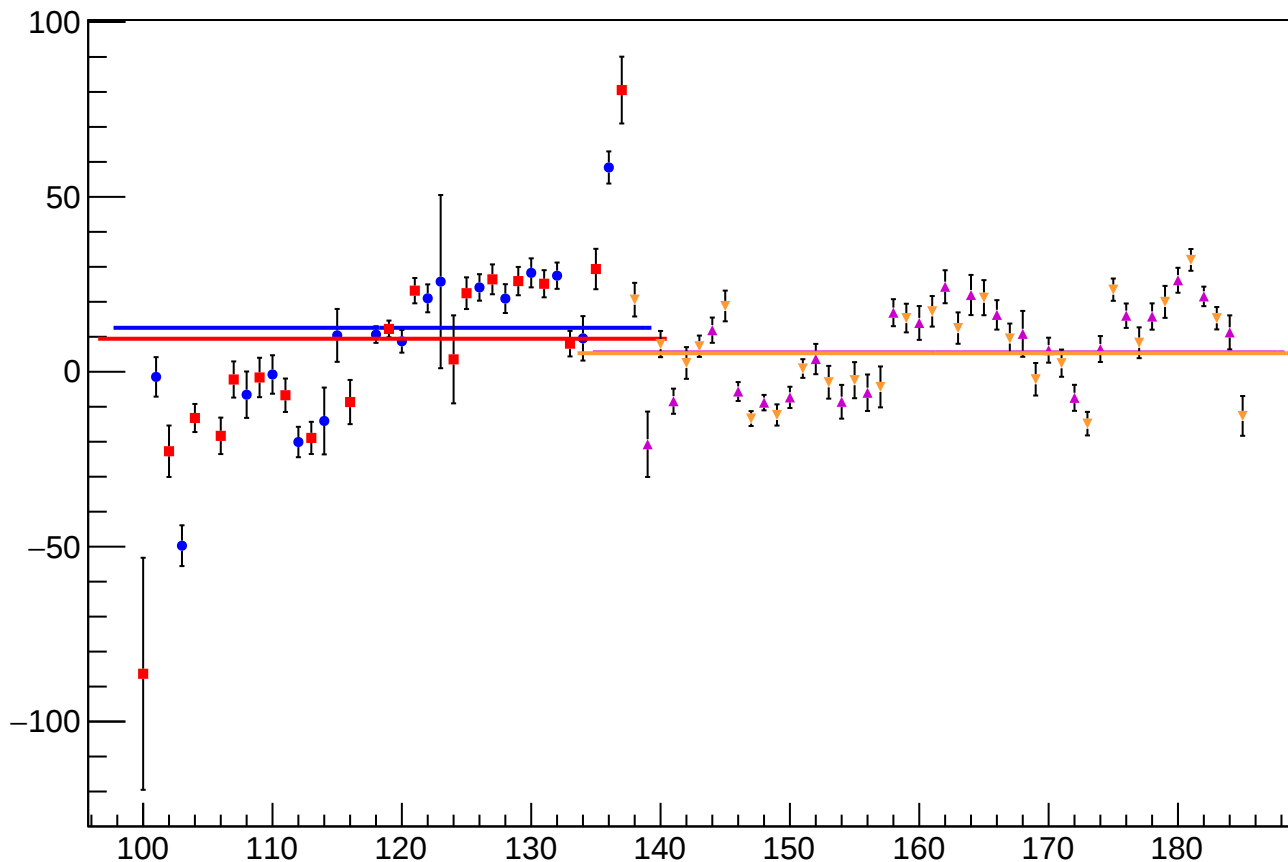
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 183.984+/-0.991 χ^2/NDF :3613.7/22

Out: 173.249+/-0.966 χ^2/NDF :5845.6/24

All: 178.479+/-0.692 χ^2/NDF : 9519.4/47

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.569+/-1.076 χ^2/NDF : 348.8/16

Left Out: 5.307+/-0.747 χ^2/NDF : 345.0/24

Right Out: 9.442+/-1.049 χ^2/NDF : 294.8/18

Left In: 5.527+/-0.781 χ^2/NDF : 256.3/22

Left: 5.412+/-0.540 χ^2/NDF : 601.4/47

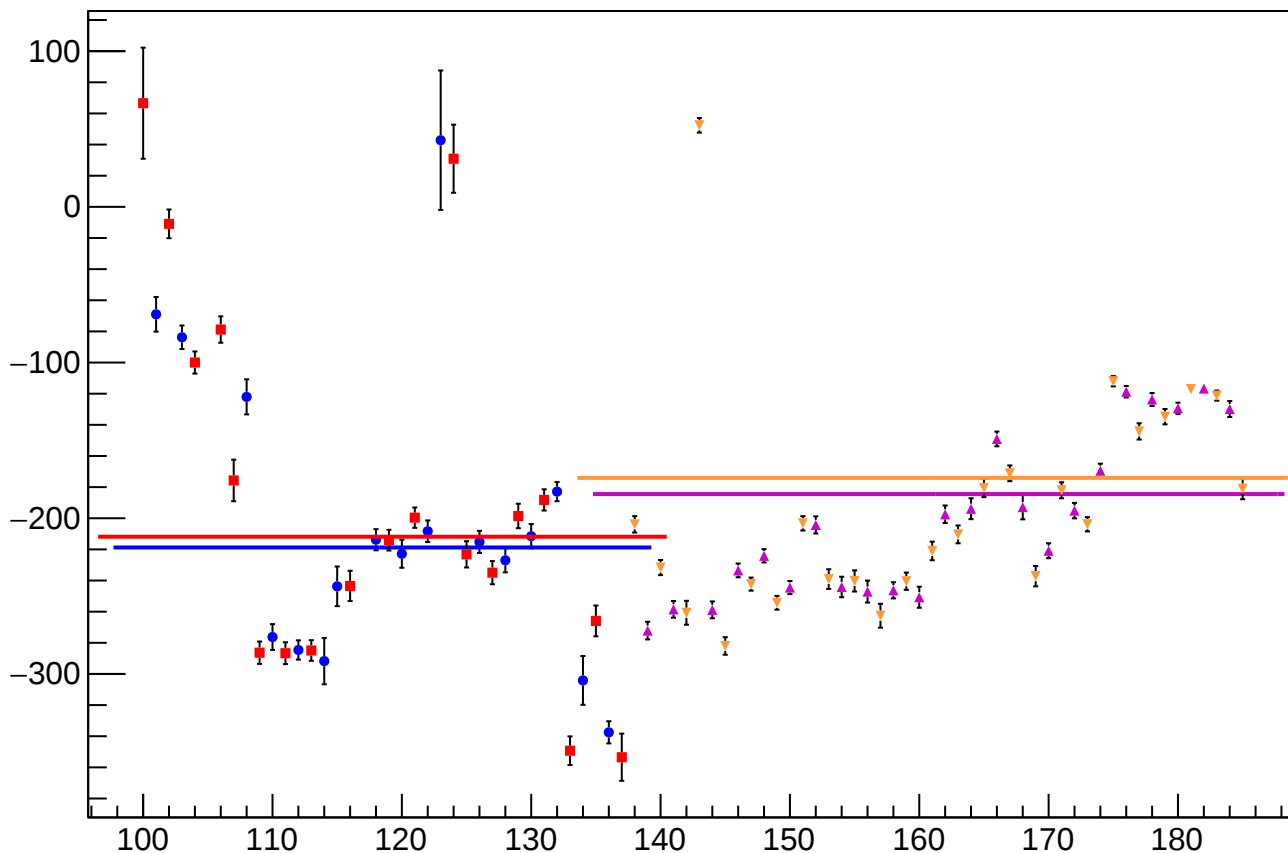
Right: 10.966+/-0.751 χ^2/NDF : 648.0/35

In: 7.957+/-0.632 χ^2/NDF : 633.2/39

Out: 6.699+/-0.609 χ^2/NDF : 650.1/43

All: 7.304+/-0.438 χ^2/NDF : 1285.4/83

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.764 ± 2.027 $\chi^2/\text{NDF}: 1144.2/16$

Left Out: -174.079 ± 0.971 $\chi^2/\text{NDF}: 5442.8/24$

Right Out: -211.849 ± 1.927 $\chi^2/\text{NDF}: 1884.6/18$

Left In: -184.456 ± 0.991 $\chi^2/\text{NDF}: 3051.6/22$

Left: -179.164 ± 0.693 $\chi^2/\text{NDF}: 8550.3/47$

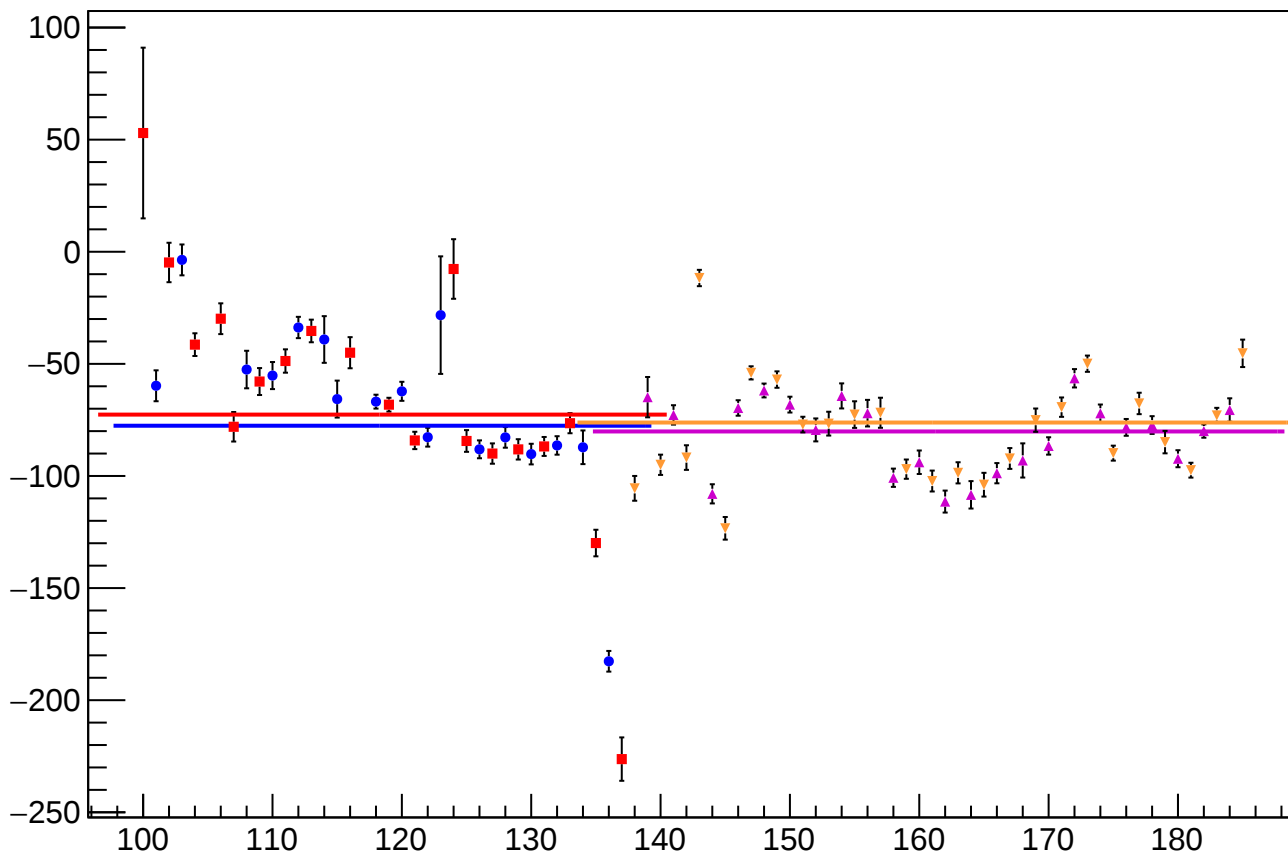
Right: -215.133 ± 1.397 $\chi^2/\text{NDF}: 3035.0/35$

In: -191.071 ± 0.890 $\chi^2/\text{NDF}: 4427.1/39$

Out: -181.725 ± 0.867 $\chi^2/\text{NDF}: 7633.7/43$

All: -186.277 ± 0.621 $\chi^2/\text{NDF}: 12117.4/83$

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.591 ± 1.239 χ^2/NDF : 816.4/16

Left Out: -76.164 ± 0.857 χ^2/NDF : 801.1/24

Right Out: -72.629 ± 1.209 χ^2/NDF : 670.2/18

Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

Left: -78.084 ± 0.617 χ^2/NDF : 1094.8/47

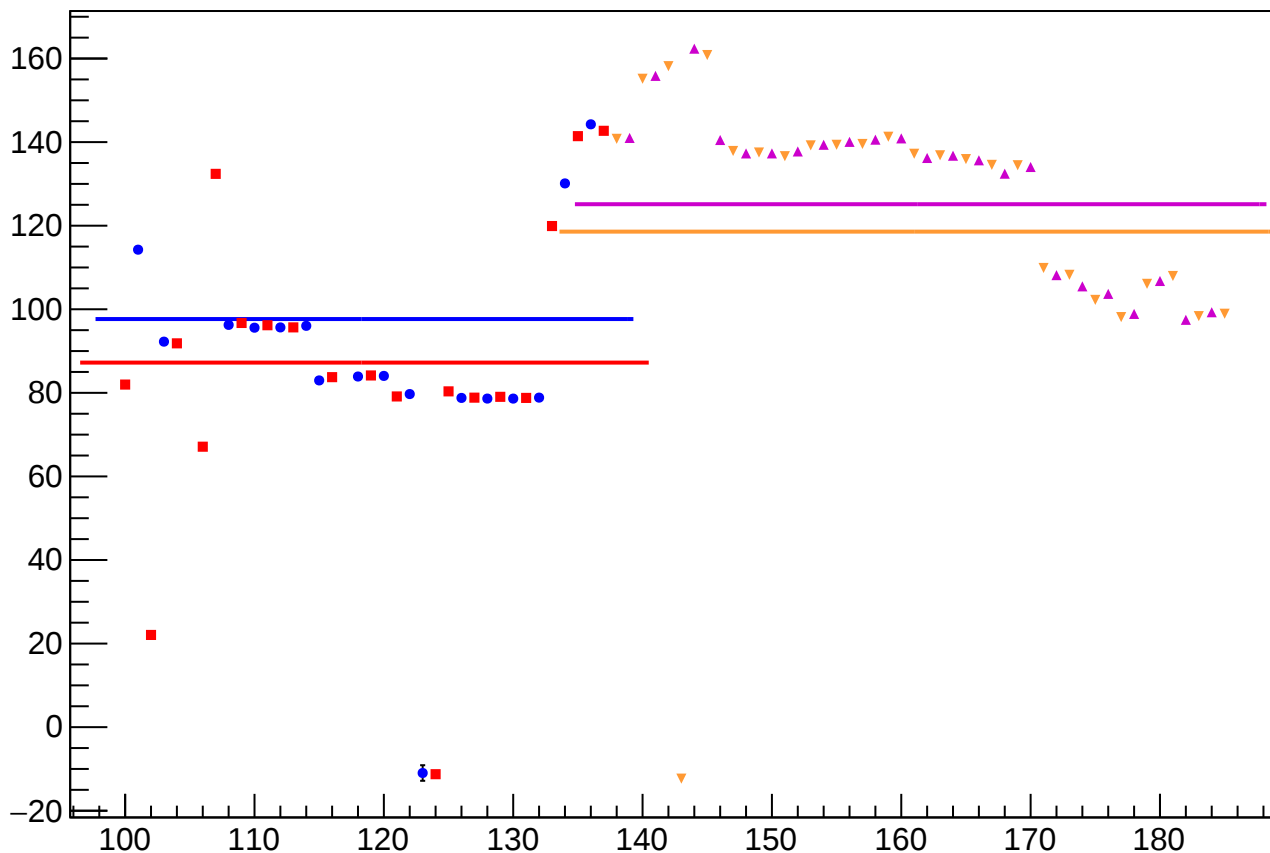
Right: -75.048 ± 0.865 χ^2/NDF : 1494.9/35

In: -79.280 ± 0.722 χ^2/NDF : 1102.5/39

Out: -74.980 ± 0.699 χ^2/NDF : 1477.0/43

All: -77.060 ± 0.502 χ^2/NDF : 2597.8/83

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.659 $\pm$ 0.074 χ^2 /NDF: 93912.8/16

Left Out: 118.579 $\pm$ 0.041 χ^2 /NDF: 728565.9/24

Right Out: 87.239 $\pm$ 0.068 χ^2 /NDF: 220840.5/18

Left In: 125.139 $\pm$ 0.041 χ^2 /NDF: 220927.1/22

Left: 121.796 $\pm$ 0.029 χ^2 /NDF: 962359.6/47

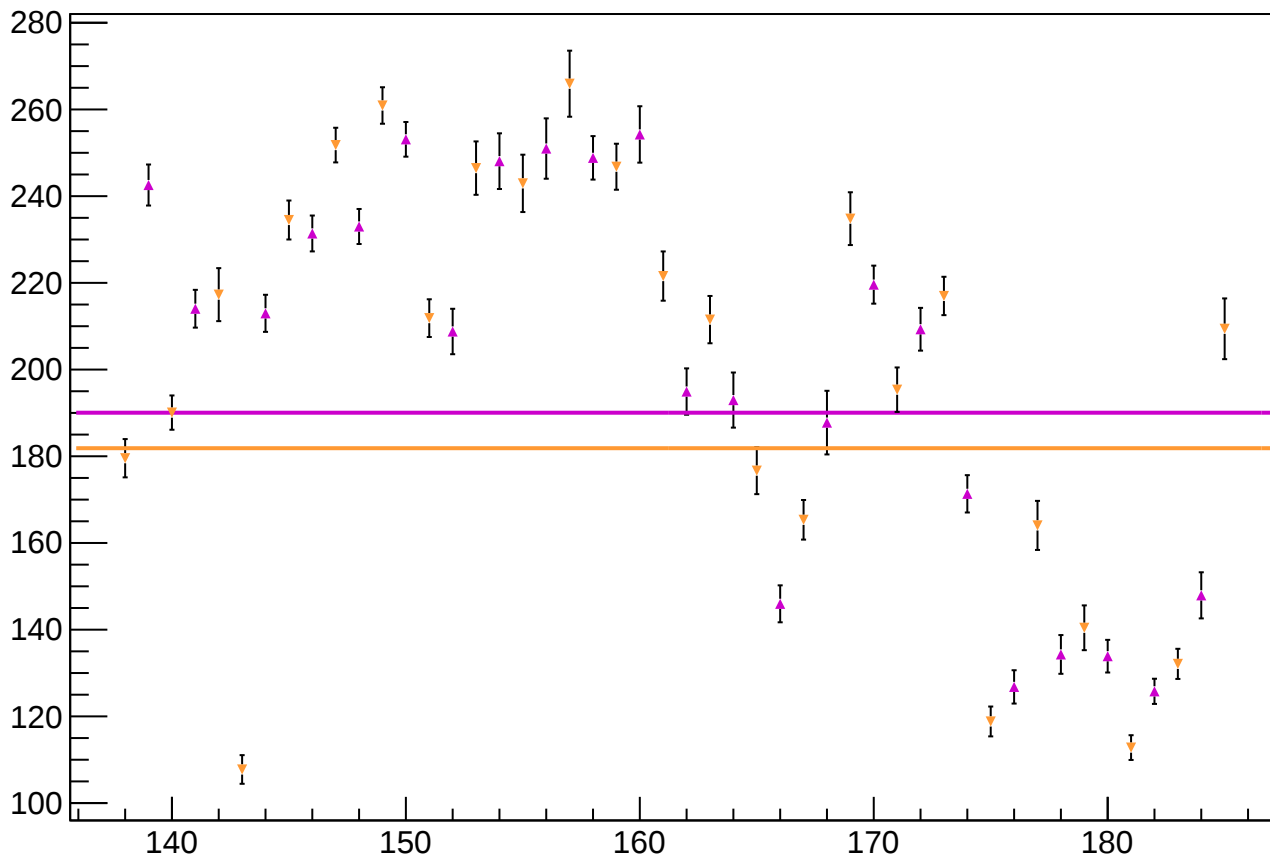
Right: 92.049 $\pm$ 0.050 χ^2 /NDF: 325482.8/35

In: 118.592 $\pm$ 0.036 χ^2 /NDF: 420405.5/39

Out: 110.434 $\pm$ 0.035 χ^2 /NDF: 1105004.5/43

All: 114.377 $\pm$ 0.025 χ^2 /NDF: 1551897.6/83

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 181.860+/-0.914 χ^2/NDF :3303.4/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 190.048+/-0.953 χ^2/NDF :2438.4/22

Left: 185.781+/-0.659 χ^2/NDF : 5780.3/47

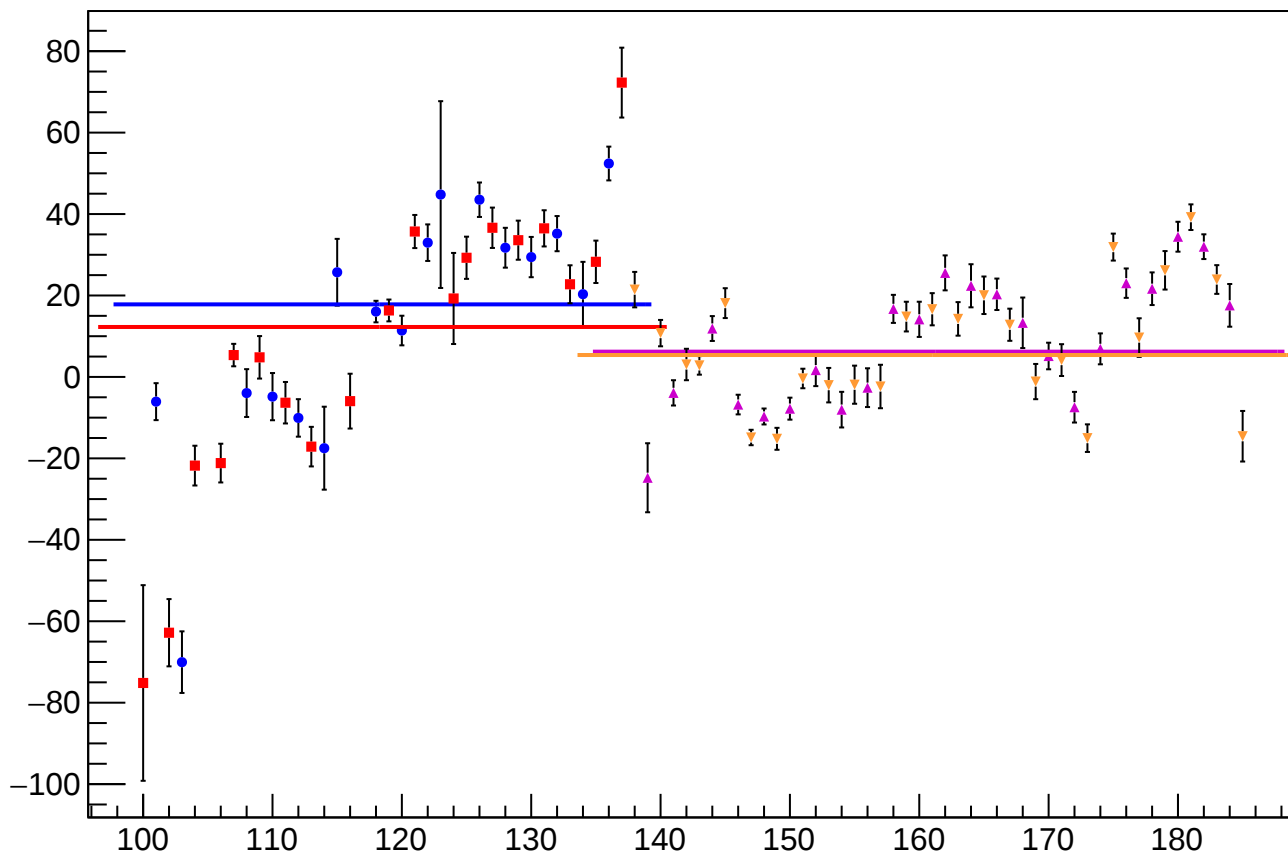
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 190.048+/-0.953 χ^2/NDF :2438.4/22

Out: 181.860+/-0.914 χ^2/NDF :3303.4/24

All: 185.781+/-0.659 χ^2/NDF : 5780.3/47

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.818 ± 1.168 $\chi^2/\text{NDF}: 394.0/16$

Left Out: 5.382 ± 0.688 $\chi^2/\text{NDF}: 525.6/24$

Right Out: 12.267 ± 1.085 $\chi^2/\text{NDF}: 443.0/18$

Left In: 6.206 ± 0.732 $\chi^2/\text{NDF}: 407.5/22$

Left: 5.769 ± 0.501 $\chi^2/\text{NDF}: 933.8/47$

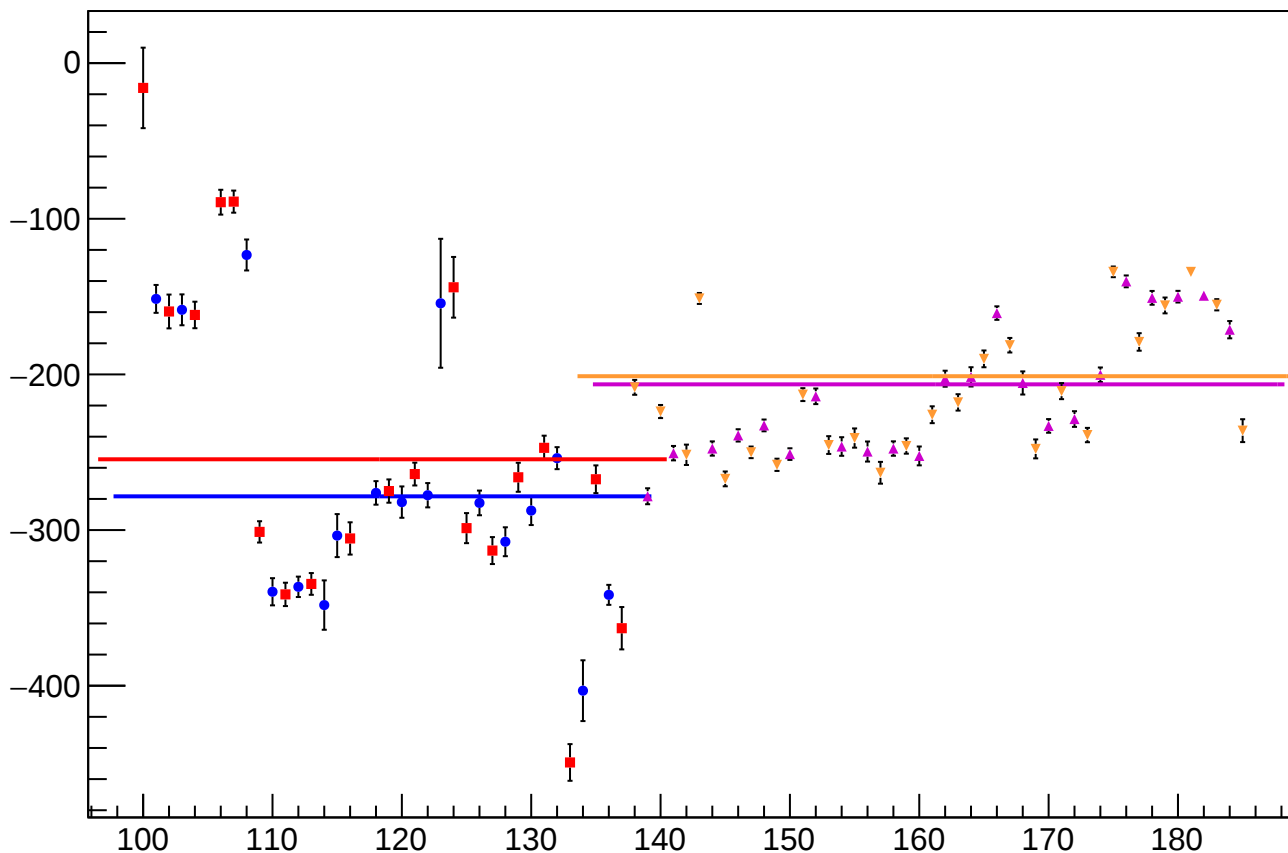
Right: 14.837 ± 0.795 $\chi^2/\text{NDF}: 849.2/35$

In: 9.478 ± 0.620 $\chi^2/\text{NDF}: 872.5/39$

Out: 7.357 ± 0.581 $\chi^2/\text{NDF}: 997.4/43$

All: 8.349 ± 0.424 $\chi^2/\text{NDF}: 1876.1/83$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.336 $\pm$ 2.190 χ^2 /NDF: 910.1/16

Left Out: -201.152 $\pm$ 0.918 χ^2 /NDF:2488.9/24

Right Out: -254.529 $\pm$ 2.023 χ^2 /NDF: 2036.7/18

Left In: -206.379 $\pm$ 0.950 χ^2 /NDF:2111.6/22

Left: -203.677 $\pm$ 0.660 χ^2 /NDF: 4616.1/47

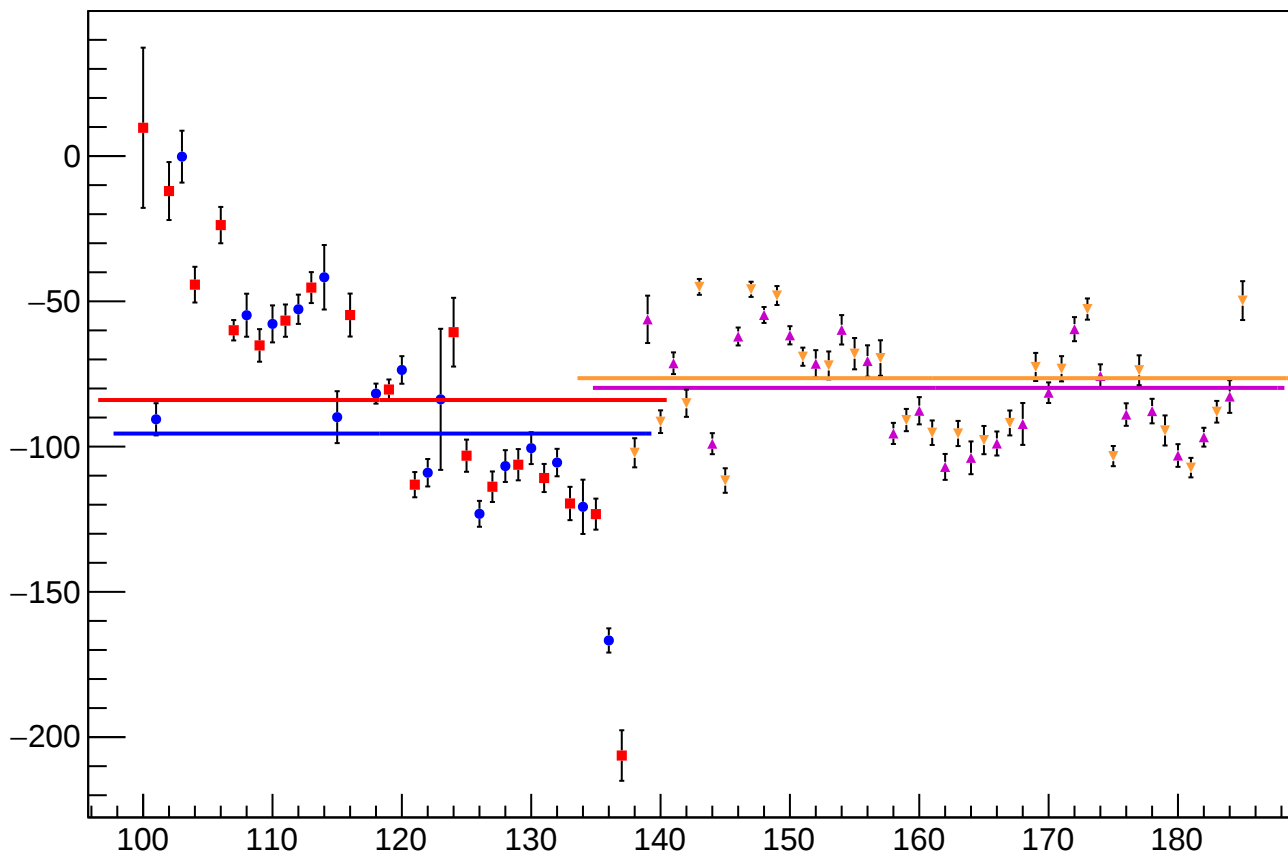
Right: -265.492 $\pm$ 1.486 χ^2 /NDF: 3010.6/35

In: -217.771 $\pm$ 0.871 χ^2 /NDF:3930.7/39

Out: -210.266 $\pm$ 0.836 χ^2 /NDF:5102.9/43

All: -213.864 $\pm$ 0.603 χ^2 /NDF: 9072.2/83

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.515 ± 1.344 χ^2/NDF : 669.2/16

Left Out: -76.444 ± 0.797 χ^2/NDF : 780.8/24

Right Out: -83.971 ± 1.259 χ^2/NDF : 781.5/18

Left In: -79.792 ± 0.840 χ^2/NDF : 412.3/22

Left: -78.030 ± 0.578 χ^2/NDF : 1201.4/47

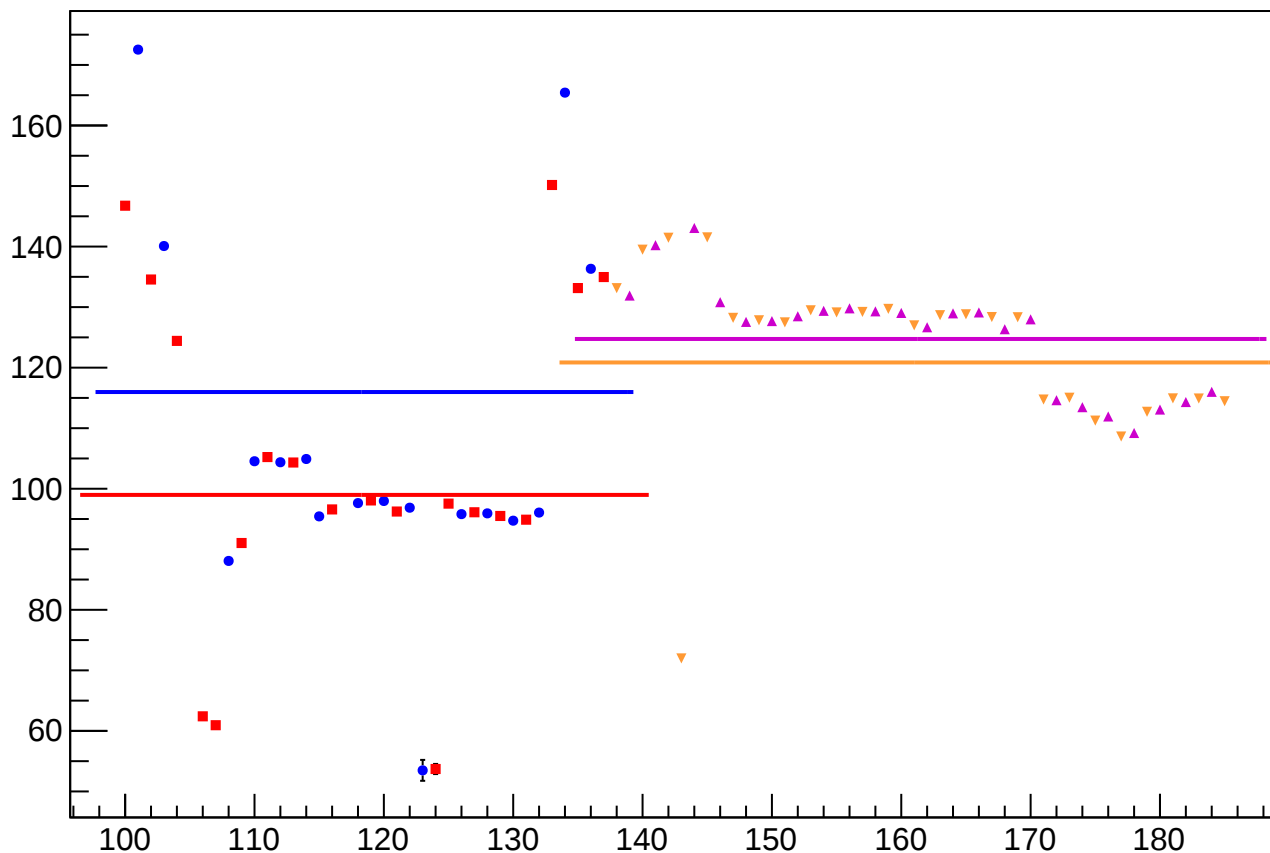
Right: -89.367 ± 0.919 χ^2/NDF : 1490.0/35

In: -84.209 ± 0.712 χ^2/NDF : 1179.9/39

Out: -78.596 ± 0.673 χ^2/NDF : 1587.8/43

All: -81.245 ± 0.489 χ^2/NDF : 2800.6/83

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.974 $\pm$ 0.079 χ^2 /NDF: 105656.7/16

Left Out: 120.857 $\pm$ 0.038 χ^2 /NDF:182751.1/24

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172977.7/18

Left In: 124.738 $\pm$ 0.039 χ^2 /NDF:51298.3/22

Left: 122.738 $\pm$ 0.027 χ^2 /NDF: 239086.8/47

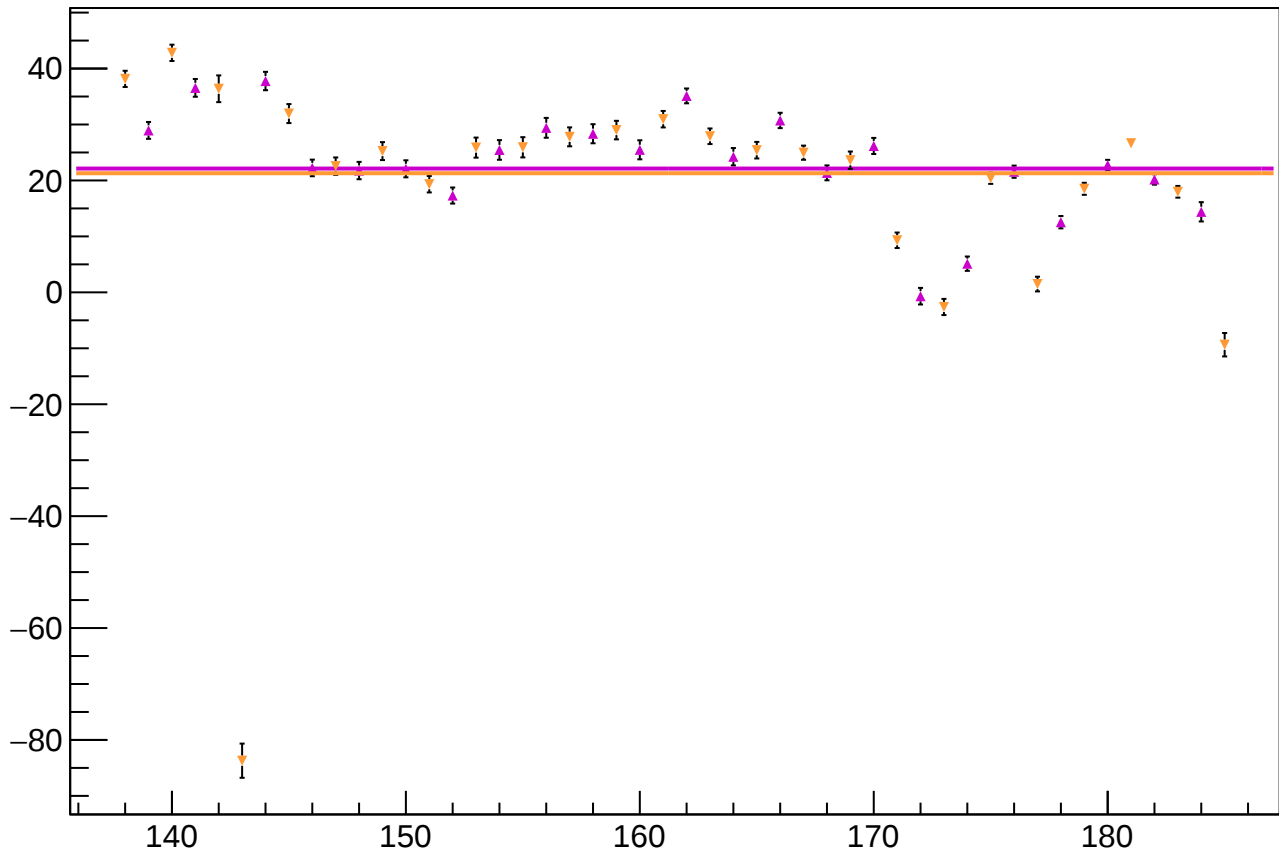
Right: 106.337 $\pm$ 0.052 χ^2 /NDF: 305183.9/35

In: 122.986 $\pm$ 0.035 χ^2 /NDF:166919.8/39

Out: 115.710 $\pm$ 0.033 χ^2 /NDF:433458.7/43

All: 119.154 $\pm$ 0.024 χ^2 /NDF: 623002.8/83

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 21.291+/-0.283 χ^2/NDF :2599.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 22.127+/-0.285 χ^2/NDF :900.2/22

Left: 21.704+/-0.201 χ^2/NDF : 3504.4/47

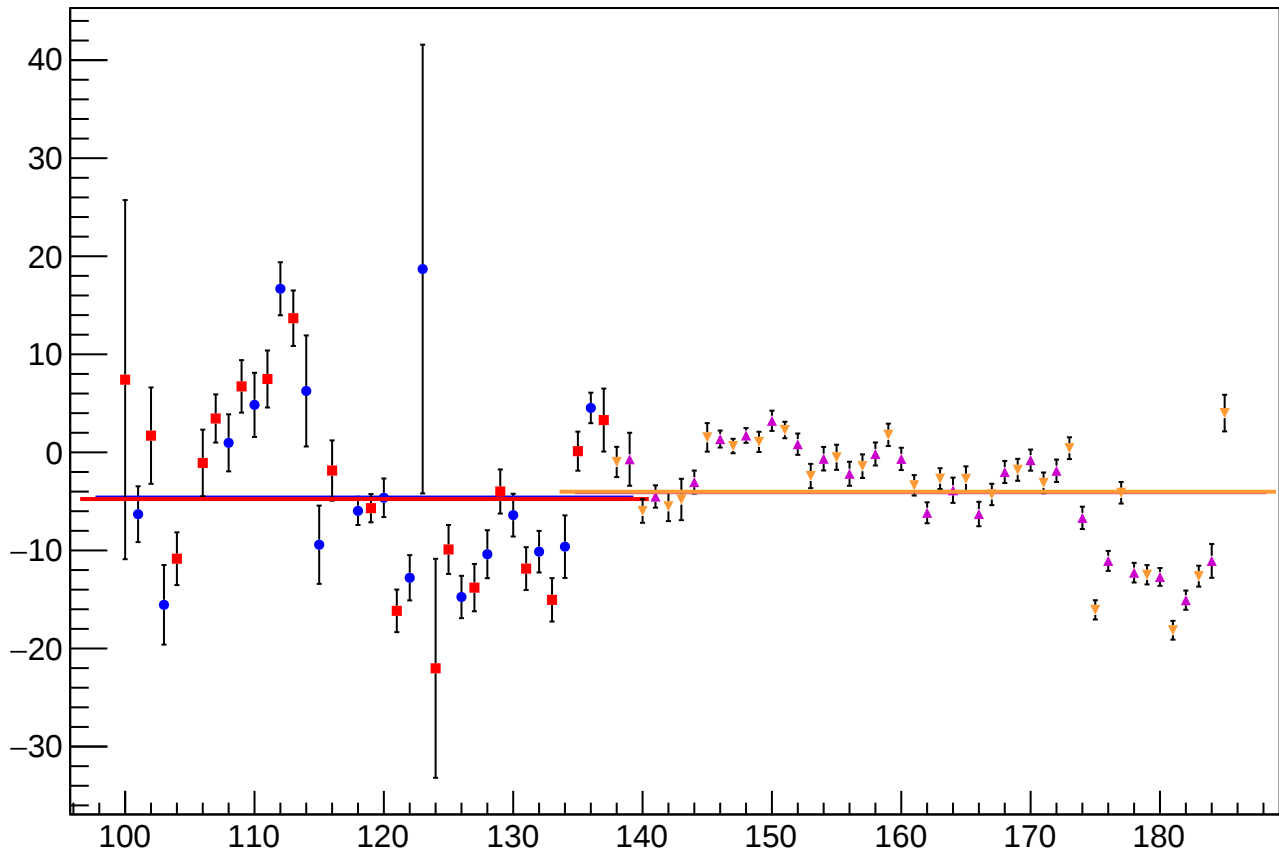
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 22.127+/-0.285 χ^2/NDF :900.2/22

Out: 21.291+/-0.283 χ^2/NDF :2599.8/24

All: 21.704+/-0.201 χ^2/NDF : 3504.4/47

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.606 ± 0.589 χ^2/NDF : 173.4/16

Left Out: -4.014 ± 0.223 χ^2/NDF : 731.7/24

Right Out: -4.758 ± 0.585 χ^2/NDF : 192.3/18

Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

Left: -4.036 ± 0.160 χ^2/NDF : 1309.0/47

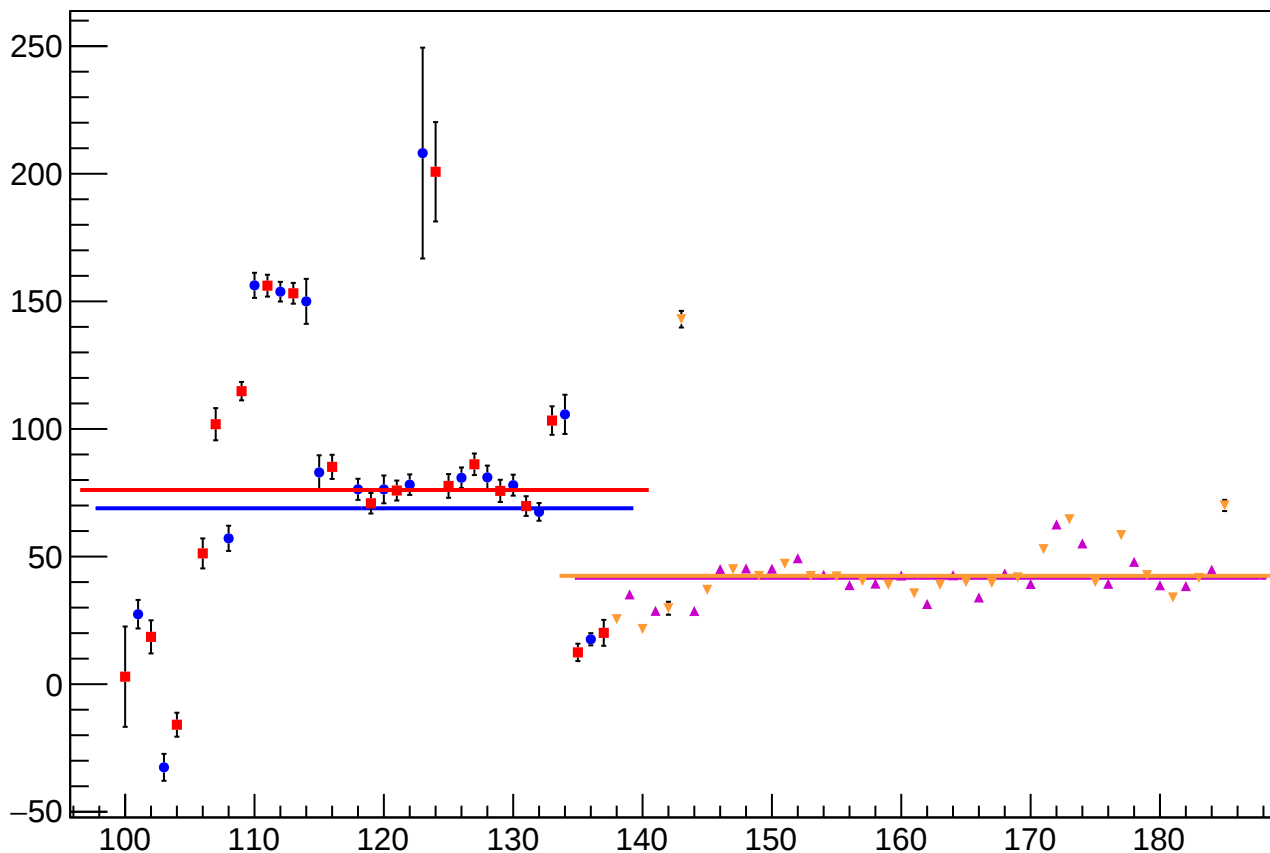
Right: -4.683 ± 0.415 χ^2/NDF : 365.7/35

In: -4.130 ± 0.213 χ^2/NDF : 751.4/39

Out: -4.109 ± 0.209 χ^2/NDF : 925.4/43

All: -4.119 ± 0.149 χ^2/NDF : 1676.8/83

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 68.921 ± 1.086 $\chi^2/\text{NDF}: 1844.0/16$

Left Out: 42.446 ± 0.282 $\chi^2/\text{NDF}: 2016.1/24$

Right Out: 76.086 ± 1.072 $\chi^2/\text{NDF}: 1881.7/18$

Left In: 41.695 ± 0.284 $\chi^2/\text{NDF}: 630.2/22$

Left: 42.073 ± 0.200 $\chi^2/\text{NDF}: 2649.9/47$

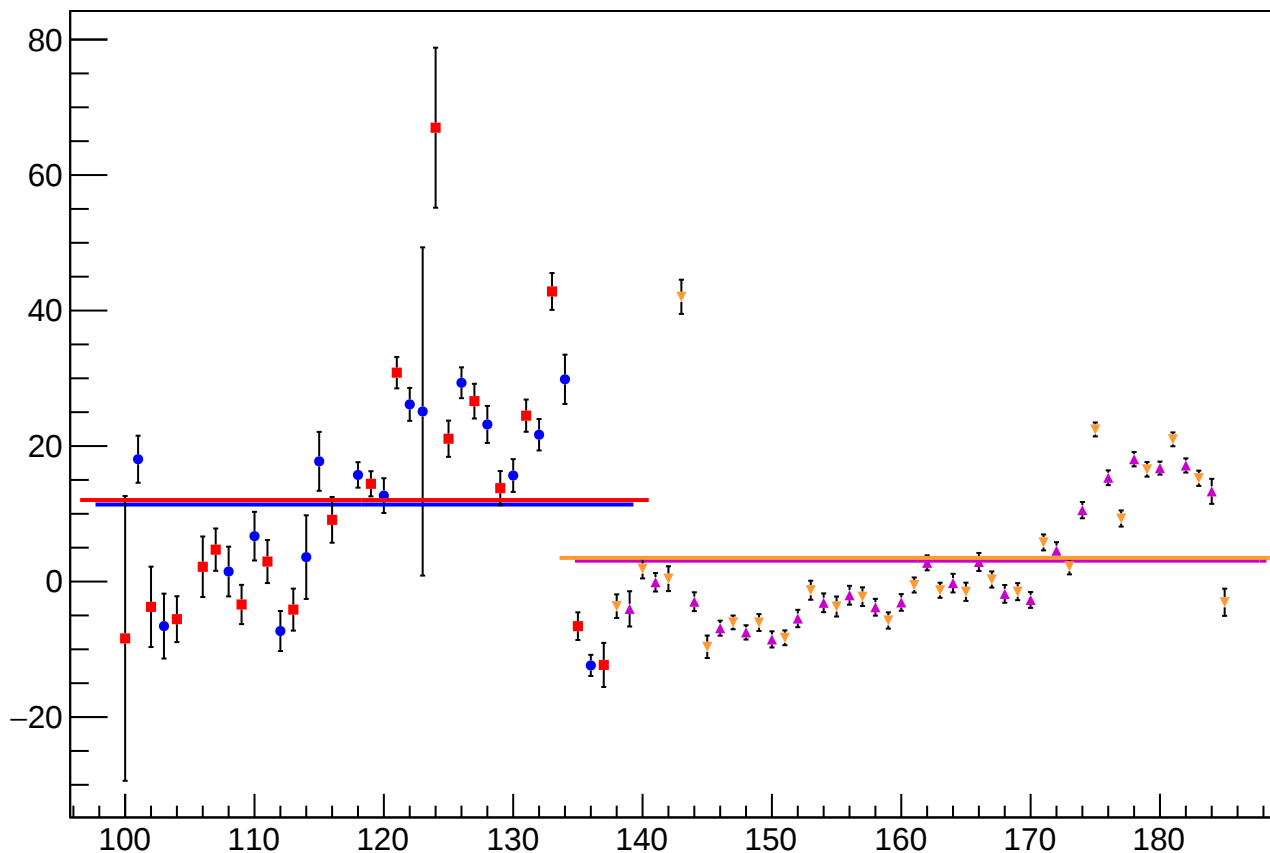
Right: 72.550 ± 0.763 $\chi^2/\text{NDF}: 3747.7/35$

In: 43.440 ± 0.275 $\chi^2/\text{NDF}: 3062.7/39$

Out: 44.624 ± 0.273 $\chi^2/\text{NDF}: 4819.1/43$

All: 44.037 ± 0.194 $\chi^2/\text{NDF}: 7891.1/83$

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.369+/-0.667 χ^2/NDF : 474.4/16

Left Out: 3.494+/-0.252 χ^2/NDF :1687.5/24

Right Out: 12.033+/-0.665 χ^2/NDF : 537.8/18

Left In: 3.081+/-0.257 χ^2/NDF :1265.7/22

Left: 3.291+/-0.180 χ^2/NDF : 2954.5/47

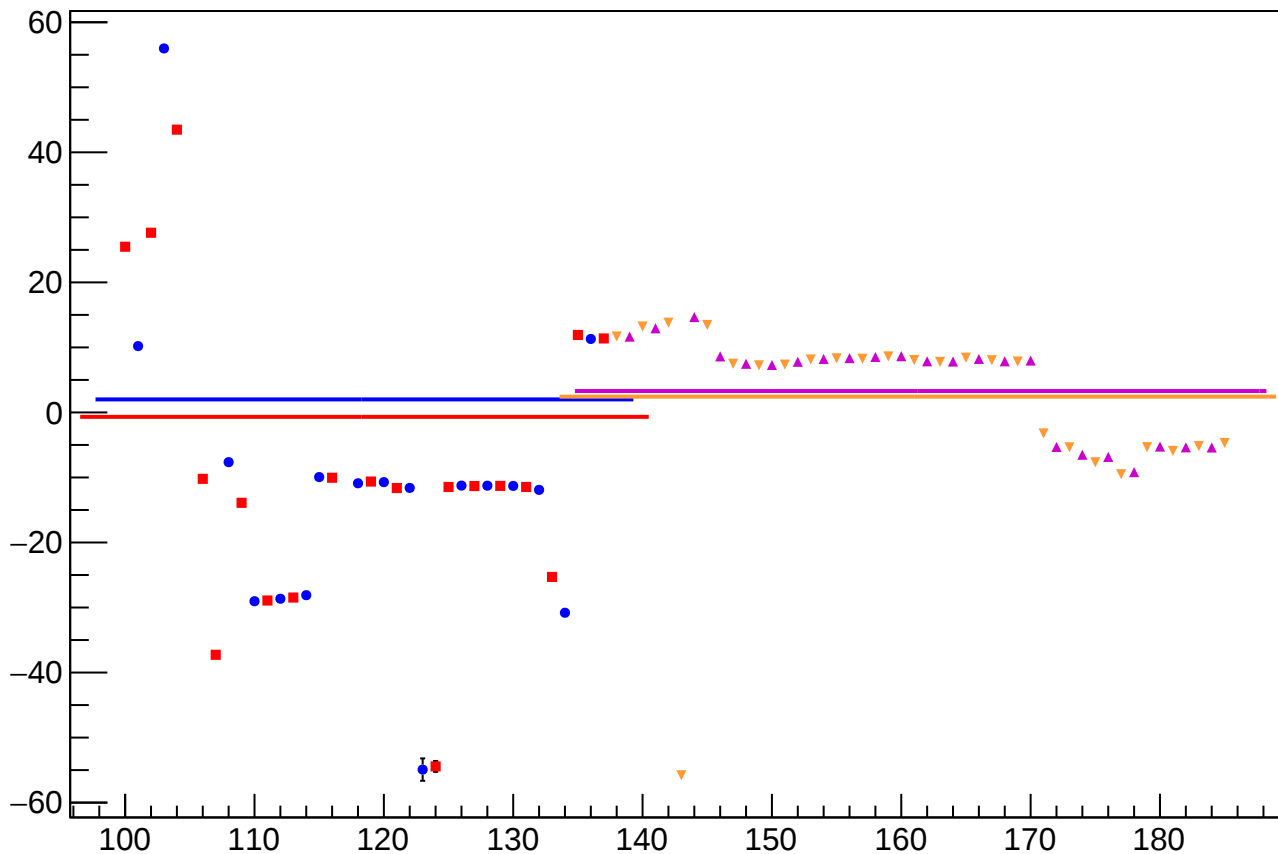
Right: 11.702+/-0.471 χ^2/NDF : 1012.6/35

In: 4.153+/-0.240 χ^2/NDF :1874.5/39

Out: 4.568+/-0.236 χ^2/NDF :2369.3/43

All: 4.364+/-0.168 χ^2/NDF : 4245.3/83

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 2.002 ± 0.037 $\chi^2/\text{NDF}: 357872.4/16$

Left Out: 2.429 ± 0.012 $\chi^2/\text{NDF}: 616204.1/24$

Right Out: -0.678 ± 0.037 $\chi^2/\text{NDF}: 360956.7/18$

Left In: 3.293 ± 0.012 $\chi^2/\text{NDF}: 404323.8/22$

Left: 2.857 ± 0.008 $\chi^2/\text{NDF}: 1023296.0/47$

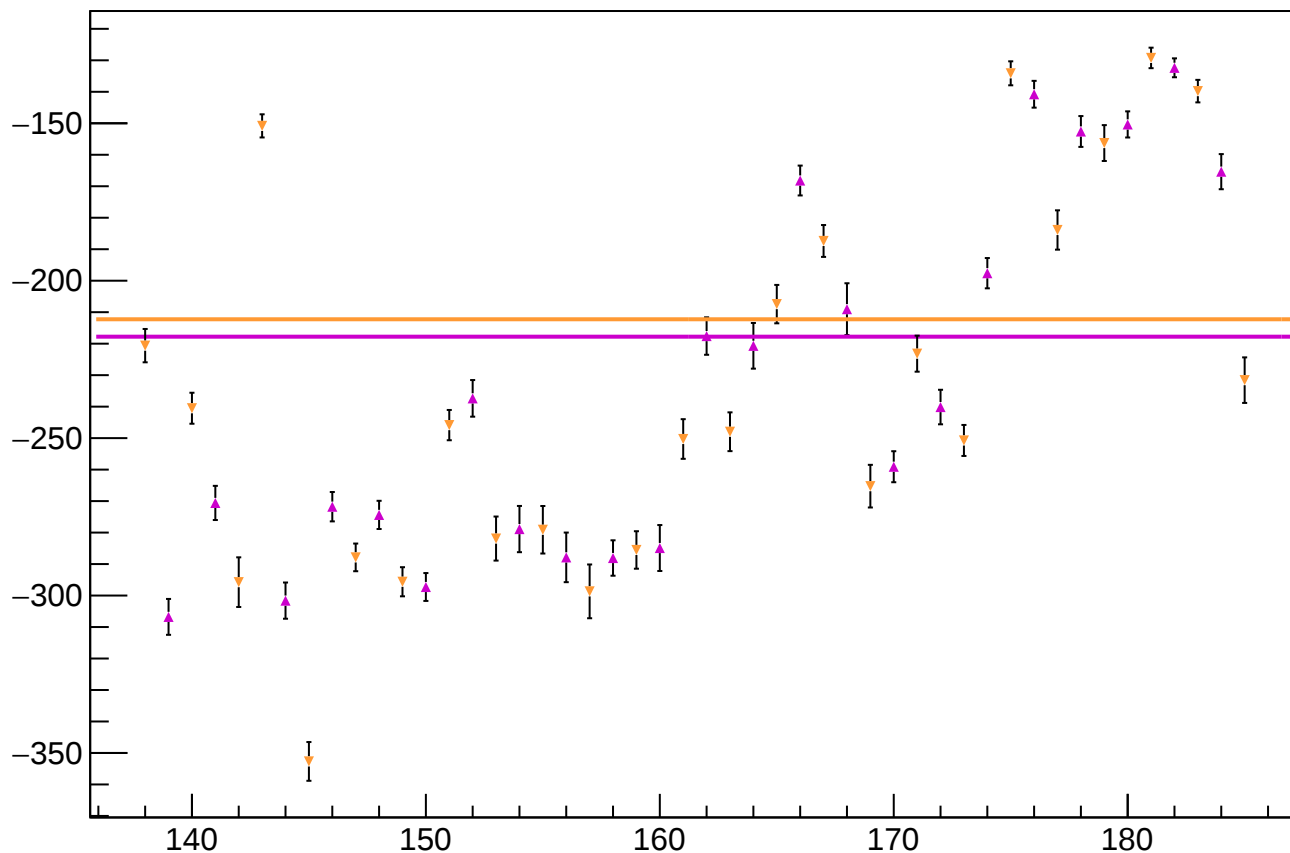
Right: 0.661 ± 0.026 $\chi^2/\text{NDF}: 721427.3/35$

In: 3.177 ± 0.011 $\chi^2/\text{NDF}: 763291.7/39$

Out: 2.154 ± 0.011 $\chi^2/\text{NDF}: 983531.2/43$

All: 2.662 ± 0.008 $\chi^2/\text{NDF}: 1751081.4/83$

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left Out: -212.250 ± 1.030 $\chi^2/\text{NDF}: 3875.2/24$

Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

Left In: -217.779 ± 1.067 $\chi^2/\text{NDF}: 3448.9/22$

Left: -214.917 ± 0.741 $\chi^2/\text{NDF}: 7338.0/47$

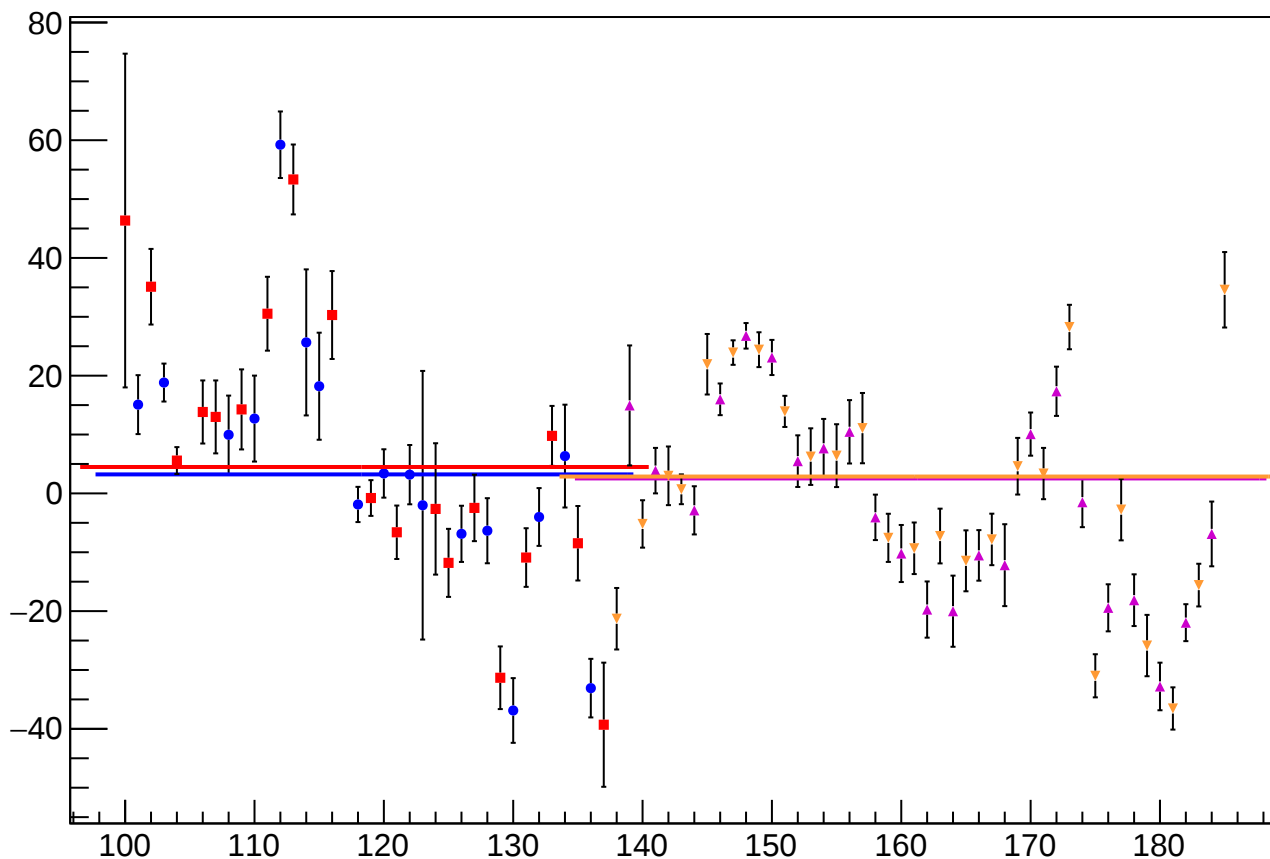
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -217.779 ± 1.067 $\chi^2/\text{NDF}: 3448.9/22$

Out: -212.250 ± 1.030 $\chi^2/\text{NDF}: 3875.2/24$

All: -214.917 ± 0.741 $\chi^2/\text{NDF}: 7338.0/47$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.227+/-1.246 χ^2/NDF : 255.1/16

Left Out: 2.862+/-0.775 χ^2/NDF : 581.3/24

Right Out: 4.485+/-1.158 χ^2/NDF : 225.1/18

Left In: 2.540+/-0.822 χ^2/NDF : 473.6/22

Left: 2.711+/-0.564 χ^2/NDF : 1055.0/47

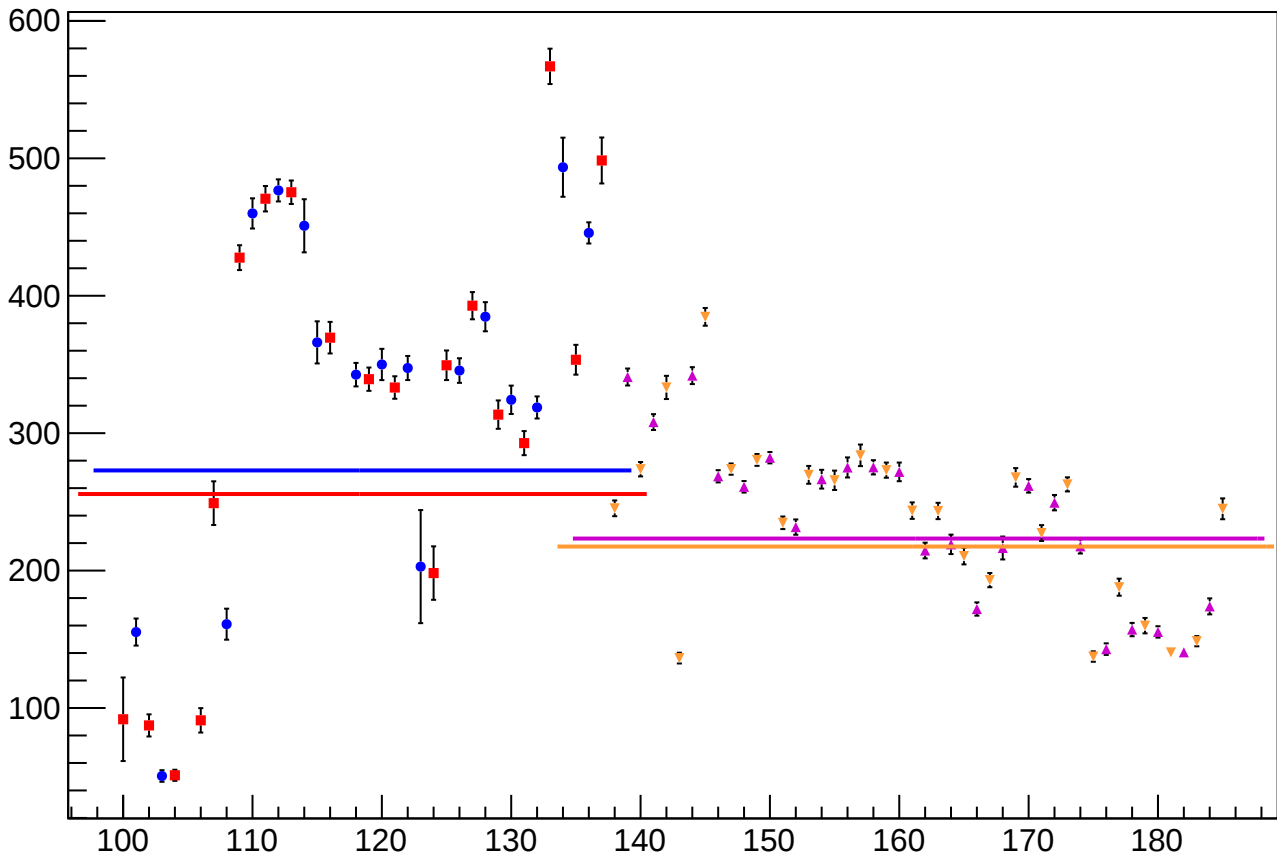
Right: 3.902+/-0.848 χ^2/NDF : 480.8/35

In: 2.749+/-0.686 χ^2/NDF : 728.9/39

Out: 3.364+/-0.644 χ^2/NDF : 807.8/43

All: 3.076+/-0.470 χ^2/NDF : 1537.1/83

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 272.880 $\pm$ 2.208 χ^2 /NDF: 5091.5/16

Left Out: 217.498 $\pm$ 1.033 χ^2 /NDF:3769.7/24

Right Out: 255.714 $\pm$ 2.082 χ^2 /NDF: 6433.2/18

Left In: 223.309 $\pm$ 1.062 χ^2 /NDF:3378.0/22

Left: 220.322 $\pm$ 0.740 χ^2 /NDF: 7163.1/47

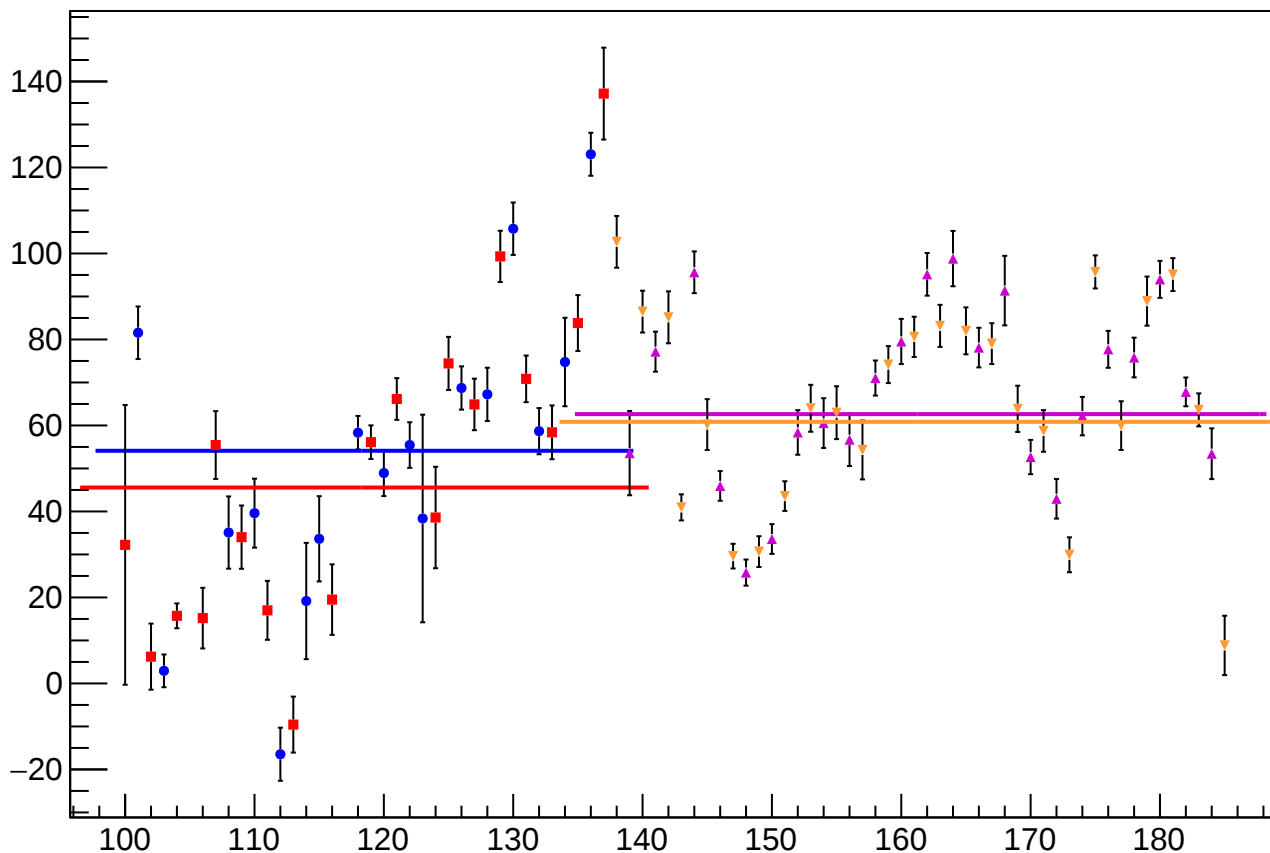
Right: 263.793 $\pm$ 1.515 χ^2 /NDF: 11556.6/35

In: 232.618 $\pm$ 0.957 χ^2 /NDF:8878.7/39

Out: 225.040 $\pm$ 0.925 χ^2 /NDF:10473.1/43

All: 228.700 $\pm$ 0.665 χ^2 /NDF: 19384.2/83

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.110 $\pm$ 1.441 χ^2 /NDF: 633.3/16

Left Out: 60.844 $\pm$ 0.897 χ^2 /NDF:731.5/24

Right Out: 45.566 $\pm$ 1.359 χ^2 /NDF: 528.2/18

Left In: 62.640 $\pm$ 0.943 χ^2 /NDF:515.4/22

Left: 61.697 $\pm$ 0.650 χ^2 /NDF: 1248.8/47

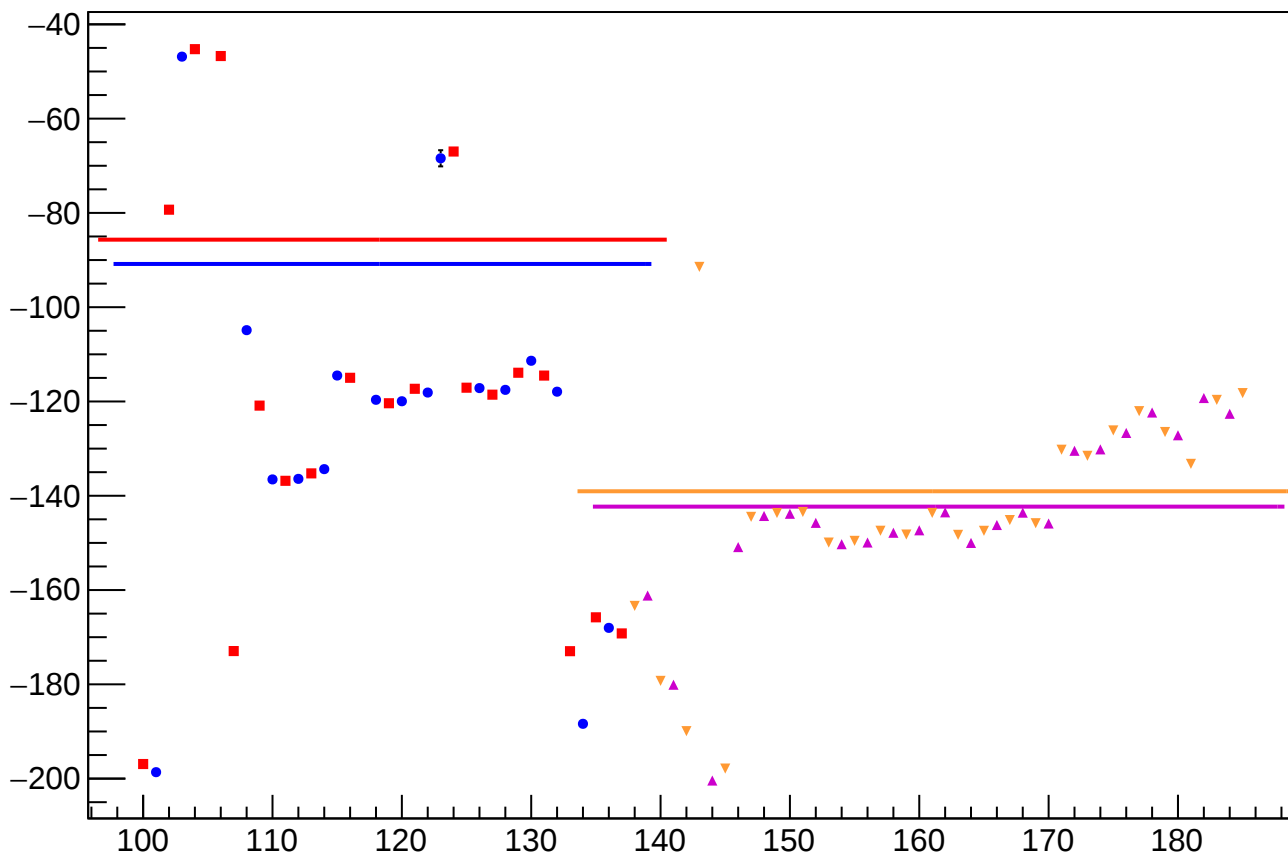
Right: 49.589 $\pm$ 0.989 χ^2 /NDF: 1180.1/35

In: 60.083 $\pm$ 0.789 χ^2 /NDF:1173.2/39

Out: 56.210 $\pm$ 0.748 χ^2 /NDF:1347.8/43

All: 58.045 $\pm$ 0.543 χ^2 /NDF: 2533.7/83

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.830 ± 0.068 $\chi^2/\text{NDF}: 533047.0/16$

Left Out: -139.048 ± 0.043 $\chi^2/\text{NDF}: 258023.0/24$

Right Out: -85.675 ± 0.065 $\chi^2/\text{NDF}: 493800.4/18$

Left In: -142.305 ± 0.044 $\chi^2/\text{NDF}: 143351.8/22$

Left: -140.632 ± 0.031 $\chi^2/\text{NDF}: 404180.2/47$

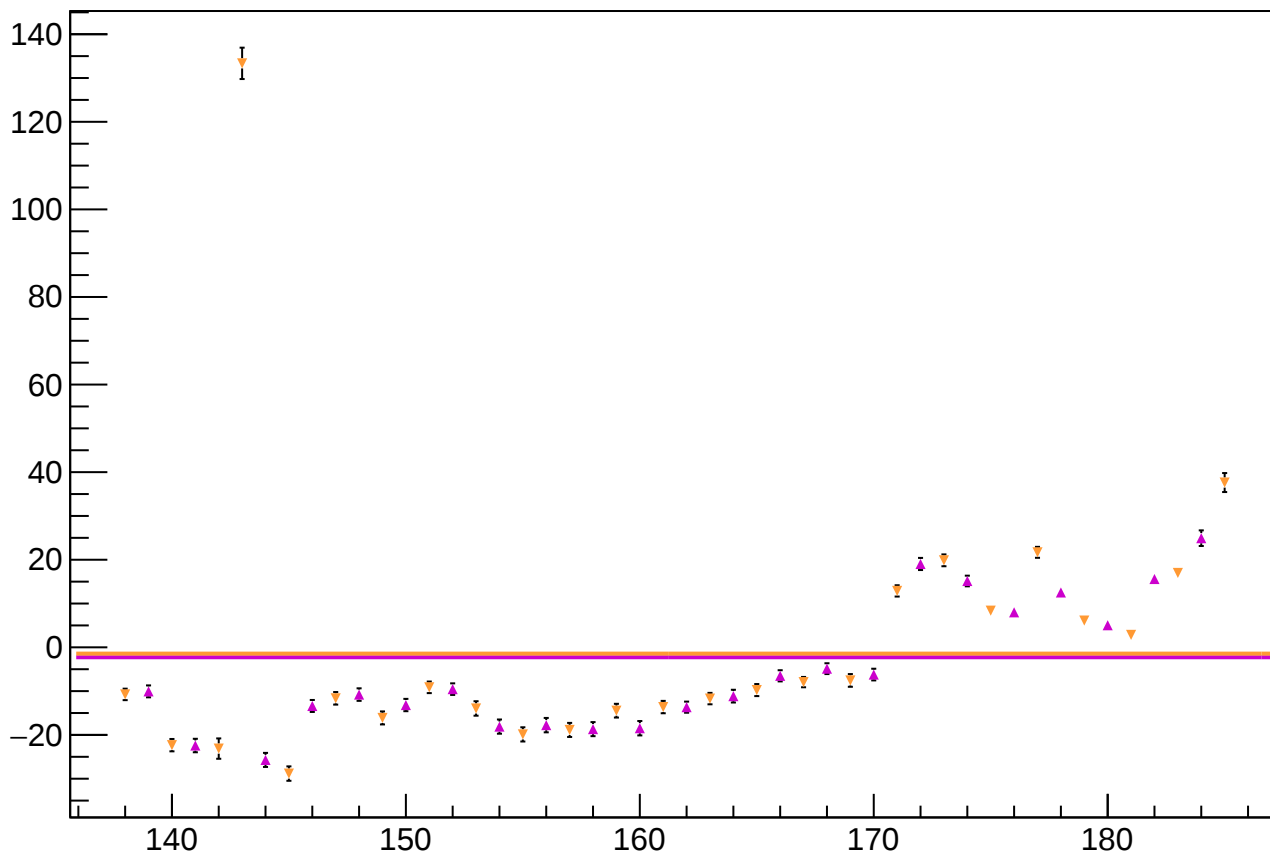
Right: -88.148 ± 0.047 $\chi^2/\text{NDF}: 1029854.7/35$

In: -127.015 ± 0.037 $\chi^2/\text{NDF}: 1081507.7/39$

Out: -122.902 ± 0.036 $\chi^2/\text{NDF}: 1220542.9/43$

All: -124.894 ± 0.026 $\chi^2/\text{NDF}: 2308437.3/83$

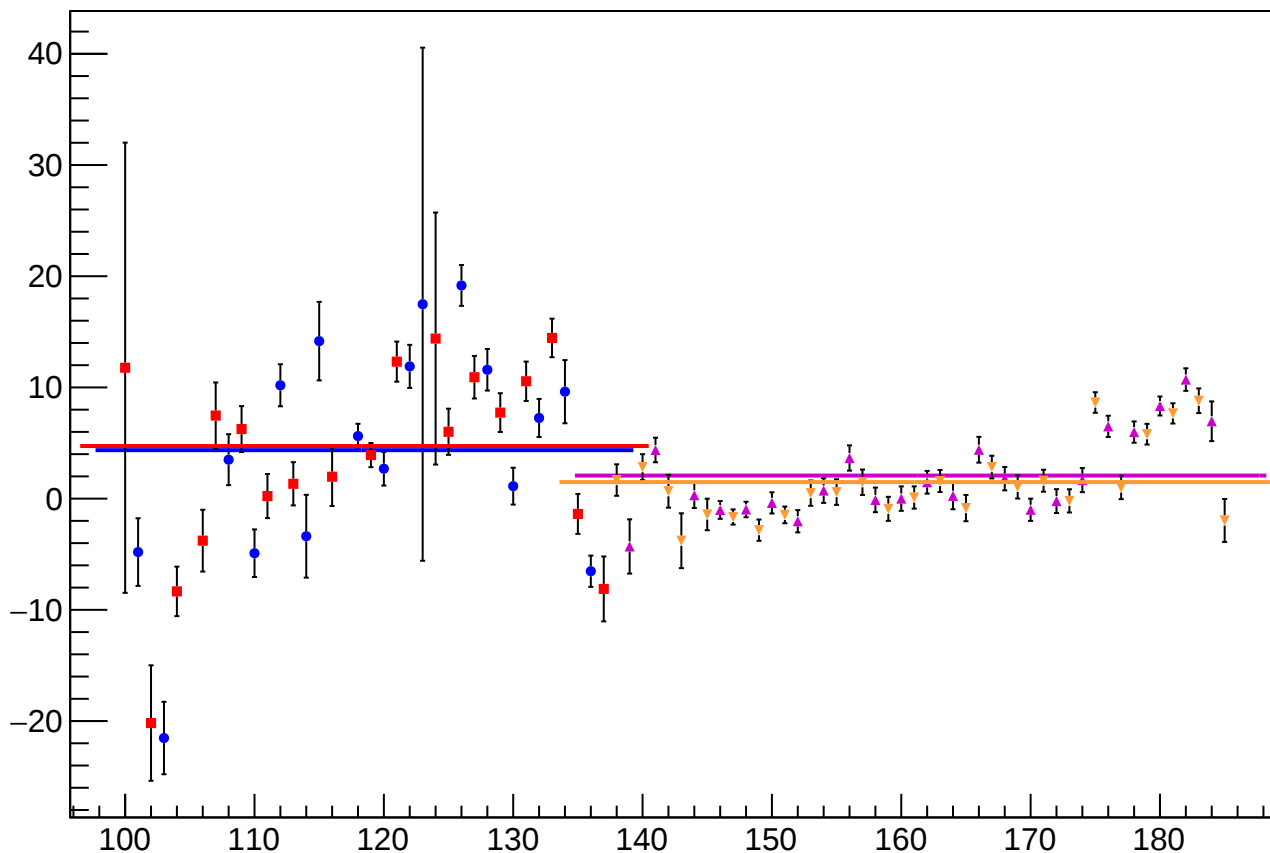
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.436+/-0.268 χ^2/NDF :4336.4/24
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.270+/-0.271 χ^2/NDF :2521.6/22

Left: -1.848+/-0.190 χ^2/NDF : 6862.8/47
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.270+/-0.271 χ^2/NDF :2521.6/22
 Out: -1.436+/-0.268 χ^2/NDF :4336.4/24
 All: -1.848+/-0.190 χ^2/NDF : 6862.8/47

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.358 $\pm$ 0.472 χ^2 /NDF: 280.7/16

Left Out: 1.489 $\pm$ 0.210 χ^2 /NDF:258.5/24

Right Out: 4.729 $\pm$ 0.474 χ^2 /NDF: 183.8/18

Left In: 2.075 $\pm$ 0.215 χ^2 /NDF:274.6/22

Left: 1.775 $\pm$ 0.150 χ^2 /NDF: 536.9/47

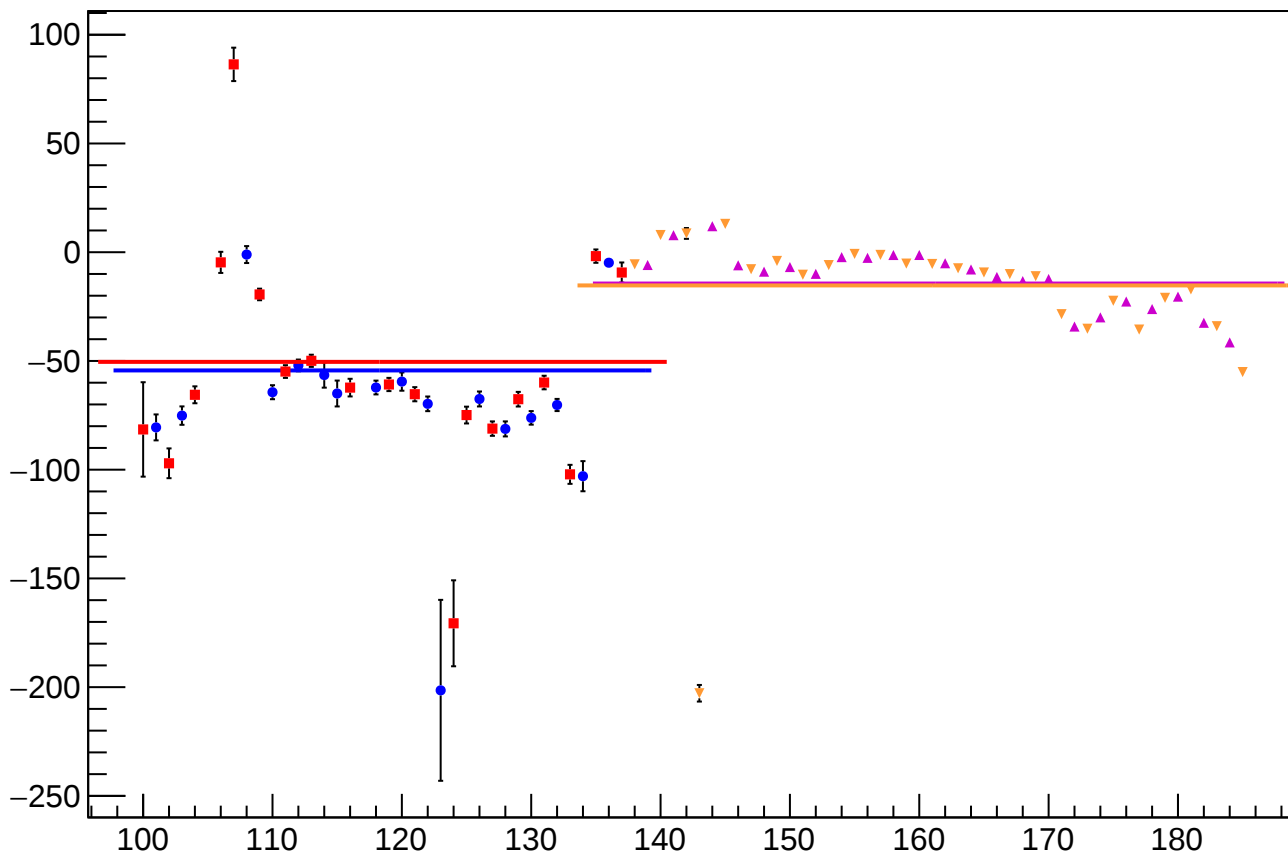
Right: 4.543 $\pm$ 0.334 χ^2 /NDF: 464.8/35

In: 2.468 $\pm$ 0.196 χ^2 /NDF:574.7/39

Out: 2.022 $\pm$ 0.192 χ^2 /NDF:481.4/43

All: 2.241 $\pm$ 0.137 χ^2 /NDF: 1058.7/83

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.358 ± 0.870 $\chi^2/\text{NDF}: 1014.3/16$

Left Out: -15.270 ± 0.267 $\chi^2/\text{NDF}: 4816.8/24$

Right Out: -50.421 ± 0.859 $\chi^2/\text{NDF}: 1316.6/18$

Left In: -14.406 ± 0.269 $\chi^2/\text{NDF}: 2032.4/22$

Left: -14.841 ± 0.189 $\chi^2/\text{NDF}: 6854.4/47$

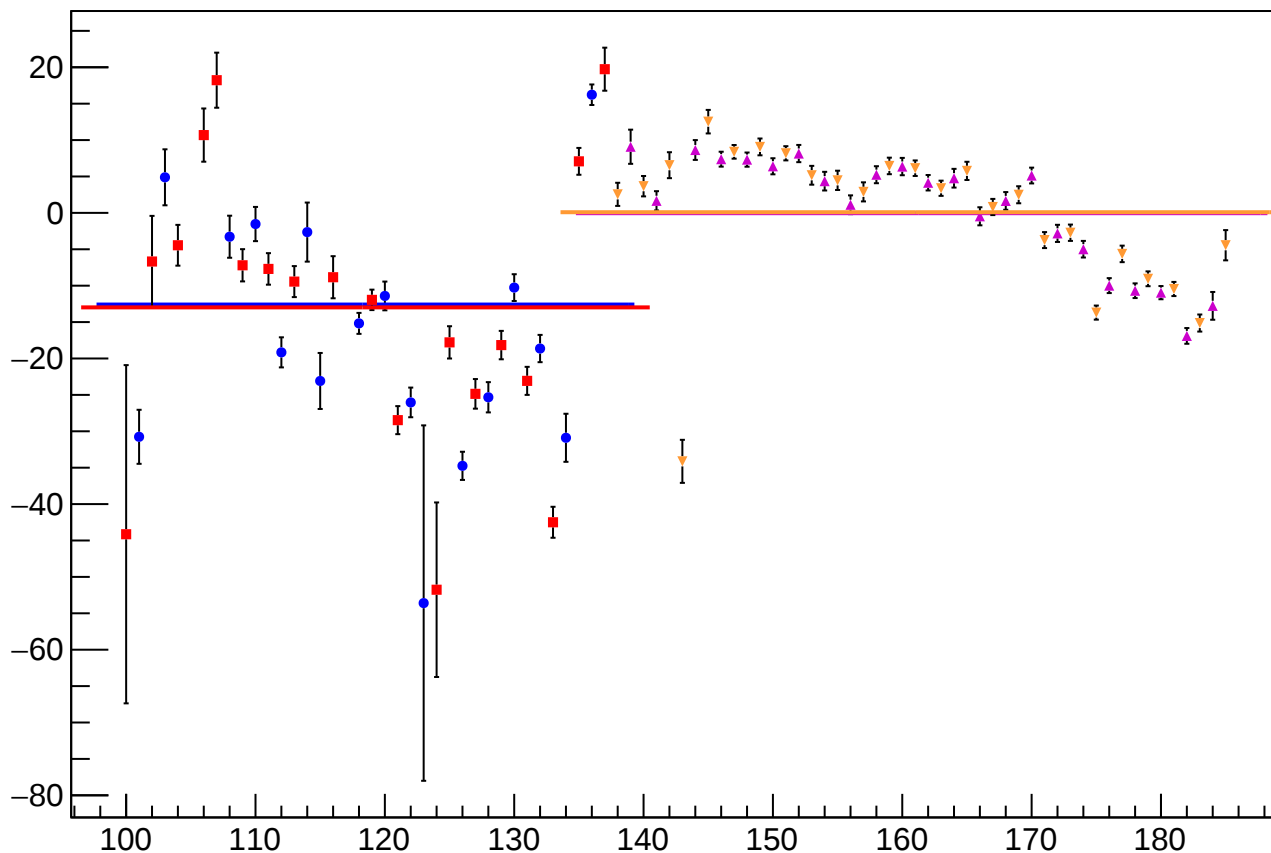
Right: -52.364 ± 0.611 $\chi^2/\text{NDF}: 2341.3/35$

In: -17.893 ± 0.257 $\chi^2/\text{NDF}: 4970.5/39$

Out: -18.362 ± 0.255 $\chi^2/\text{NDF}: 7660.3/43$

All: -18.130 ± 0.181 $\chi^2/\text{NDF}: 12632.4/83$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.592 ± 0.538 χ^2/NDF : 779.7/16

Left Out: 0.091 ± 0.238 χ^2/NDF : 1171.0/24

Right Out: -12.981 ± 0.539 χ^2/NDF : 721.9/18

Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

Left: 0.025 ± 0.170 χ^2/NDF : 2199.3/47

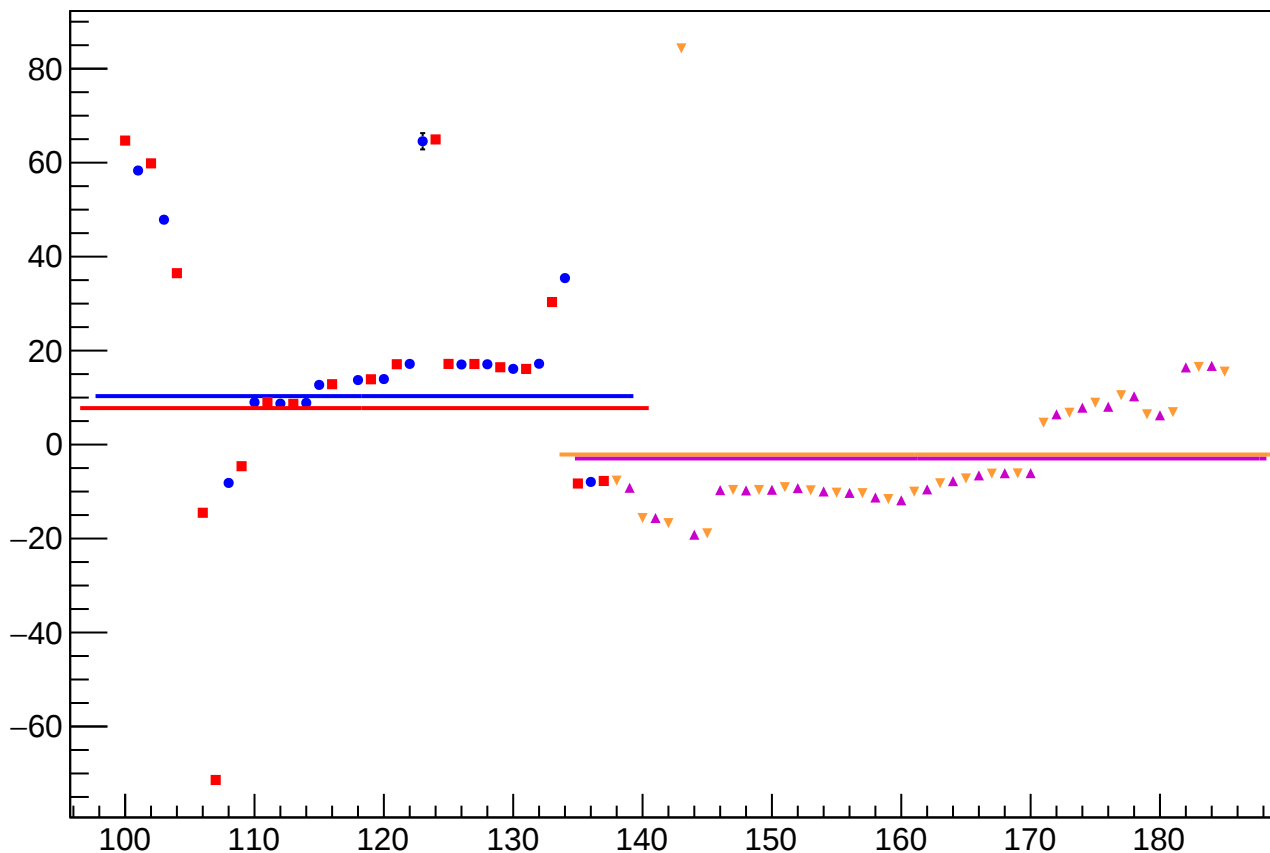
Right: -12.786 ± 0.380 χ^2/NDF : 1501.9/35

In: -2.173 ± 0.221 χ^2/NDF : 2260.2/39

Out: -2.049 ± 0.218 χ^2/NDF : 2385.6/43

All: -2.110 ± 0.155 χ^2/NDF : 4646.0/83

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.315 $\pm$ 0.031 χ^2/NDF : 380737.7/16

Left Out: -2.112 $\pm$ 0.011 χ^2/NDF :1092024.8/24

Right Out: 7.762 $\pm$ 0.031 χ^2/NDF : 543895.1/18

Left In: -2.959 $\pm$ 0.011 χ^2/NDF :763000.9/22

Left: -2.532 $\pm$ 0.008 χ^2/NDF : 1858010.0/47

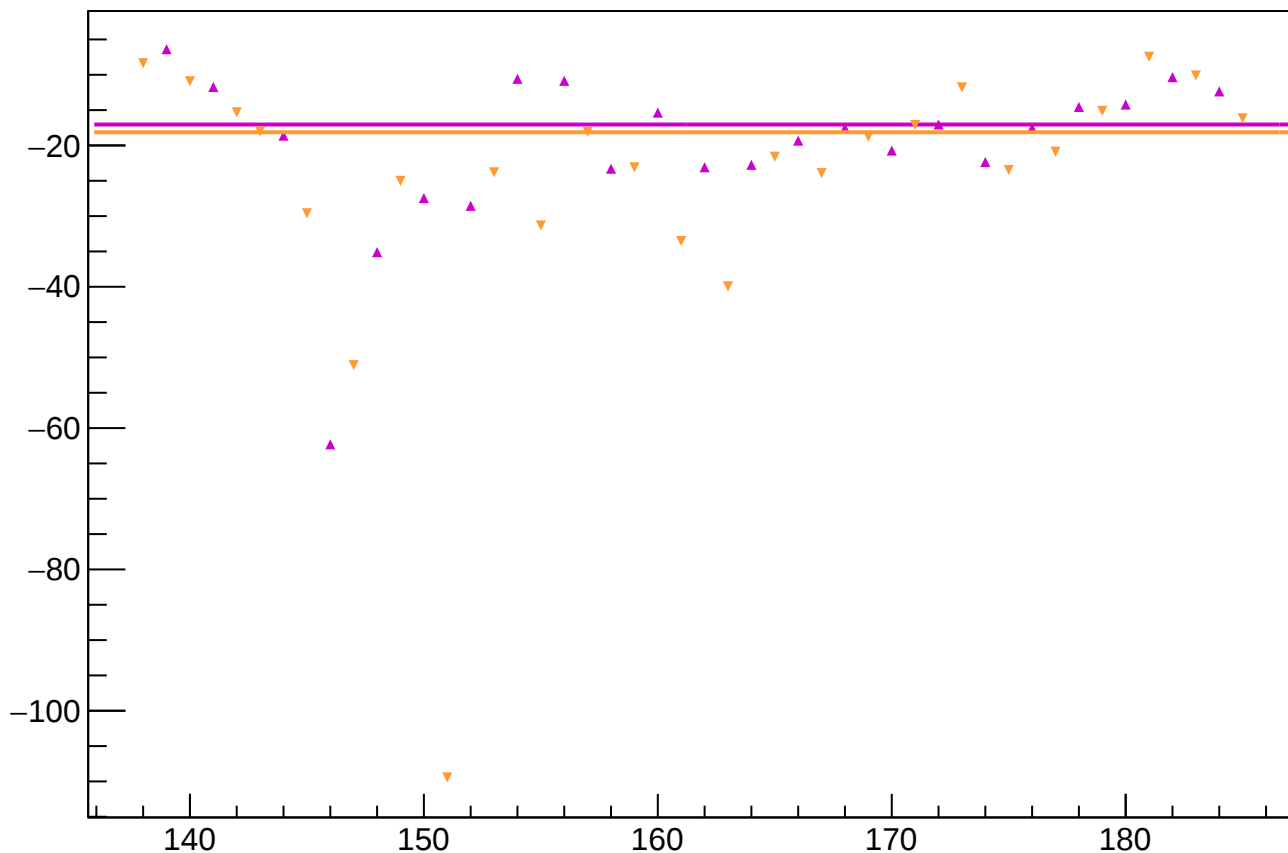
Right: 9.064 $\pm$ 0.022 χ^2/NDF : 928013.8/35

In: -1.450 $\pm$ 0.010 χ^2/NDF :1309185.8/39

Out: -1.043 $\pm$ 0.010 χ^2/NDF :1724409.0/43

All: -1.246 $\pm$ 0.007 χ^2/NDF : 3034373.1/83

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -18.134 $\pm$ 0.039 χ^2 /NDF:88520.5/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -17.038 $\pm$ 0.038 χ^2 /NDF:44141.1/22

Left: -17.575 $\pm$ 0.027 χ^2 /NDF: 133065.8/47

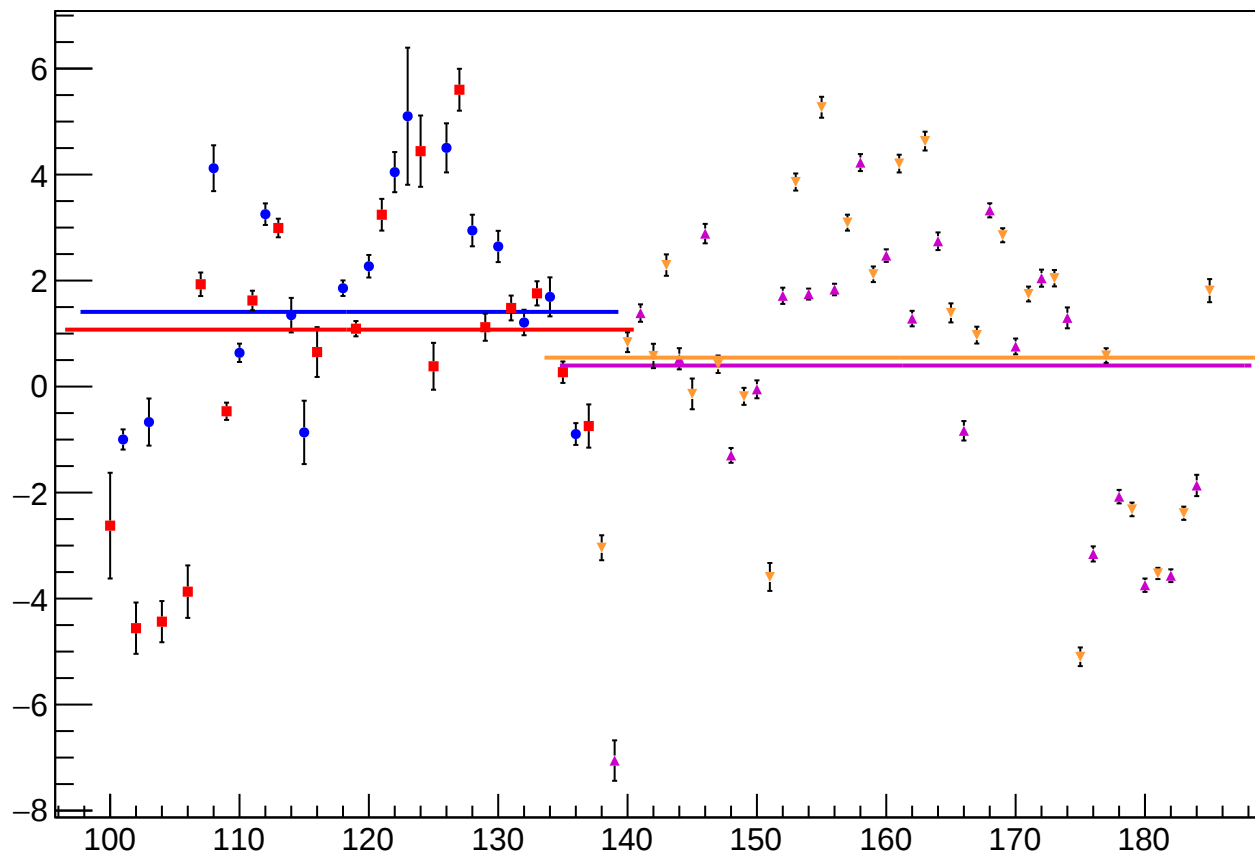
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -17.038 $\pm$ 0.038 χ^2 /NDF:44141.1/22

Out: -18.134 $\pm$ 0.039 χ^2 /NDF:88520.5/24

All: -17.575 $\pm$ 0.027 χ^2 /NDF: 133065.8/47

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.409 ± 0.062 χ^2/NDF : 634.6/16

Left Out: 0.546 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 1.074 ± 0.058 χ^2/NDF : 942.5/18

Left In: 0.397 ± 0.031 χ^2/NDF : 6235.6/22

Left: 0.468 ± 0.022 χ^2/NDF : 13317.2/47

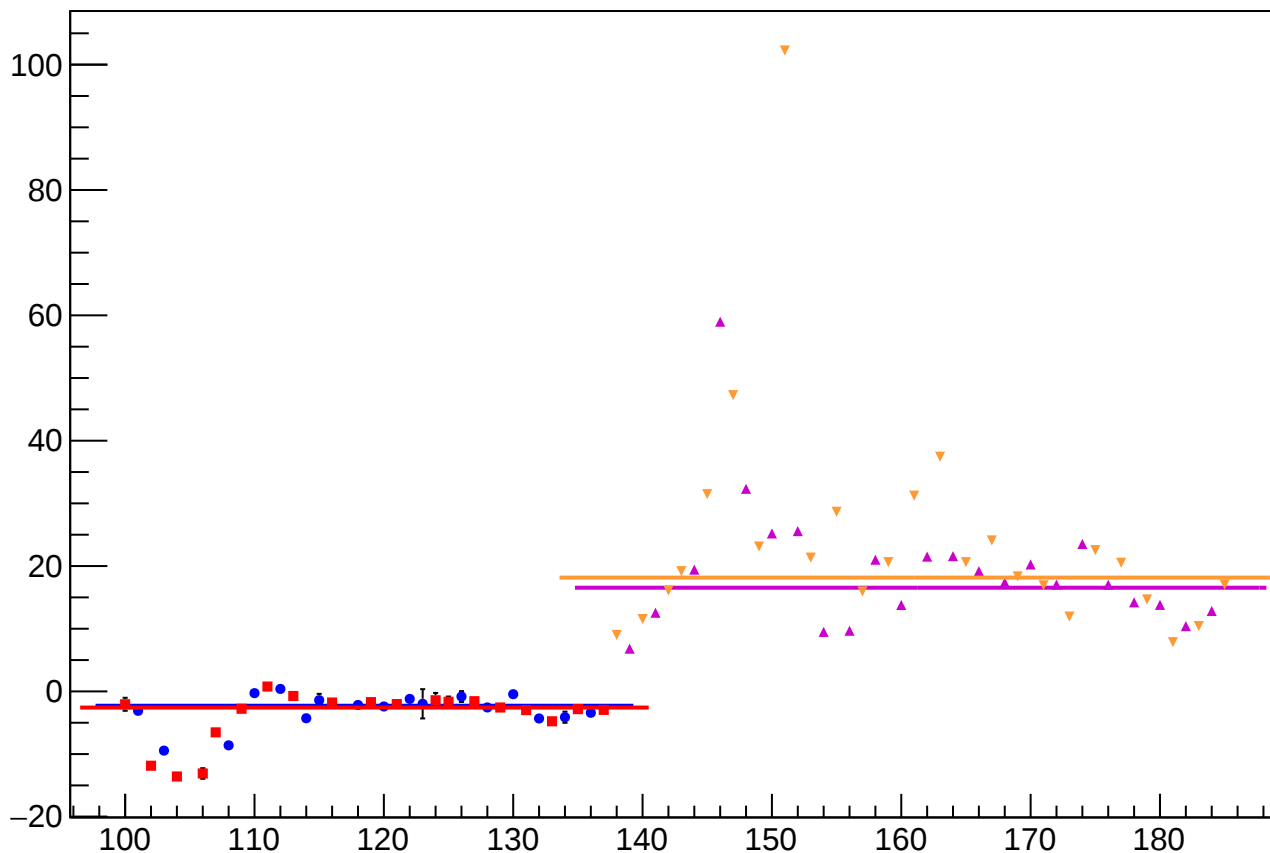
Right: 1.231 ± 0.042 χ^2/NDF : 1592.6/35

In: 0.596 ± 0.028 χ^2/NDF : 7083.9/39

Out: 0.671 ± 0.028 χ^2/NDF : 8076.0/43

All: 0.633 ± 0.020 χ^2/NDF : 15163.5/83

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.289 ± 0.112 χ^2/NDF : 447.6/16

Left Out: 18.156 ± 0.039 χ^2/NDF : 77825.4/24

Right Out: -2.579 ± 0.099 χ^2/NDF : 891.5/18

Left In: 16.543 ± 0.038 χ^2/NDF : 40855.0/22

Left: 17.321 ± 0.027 χ^2/NDF : 119560.8/47

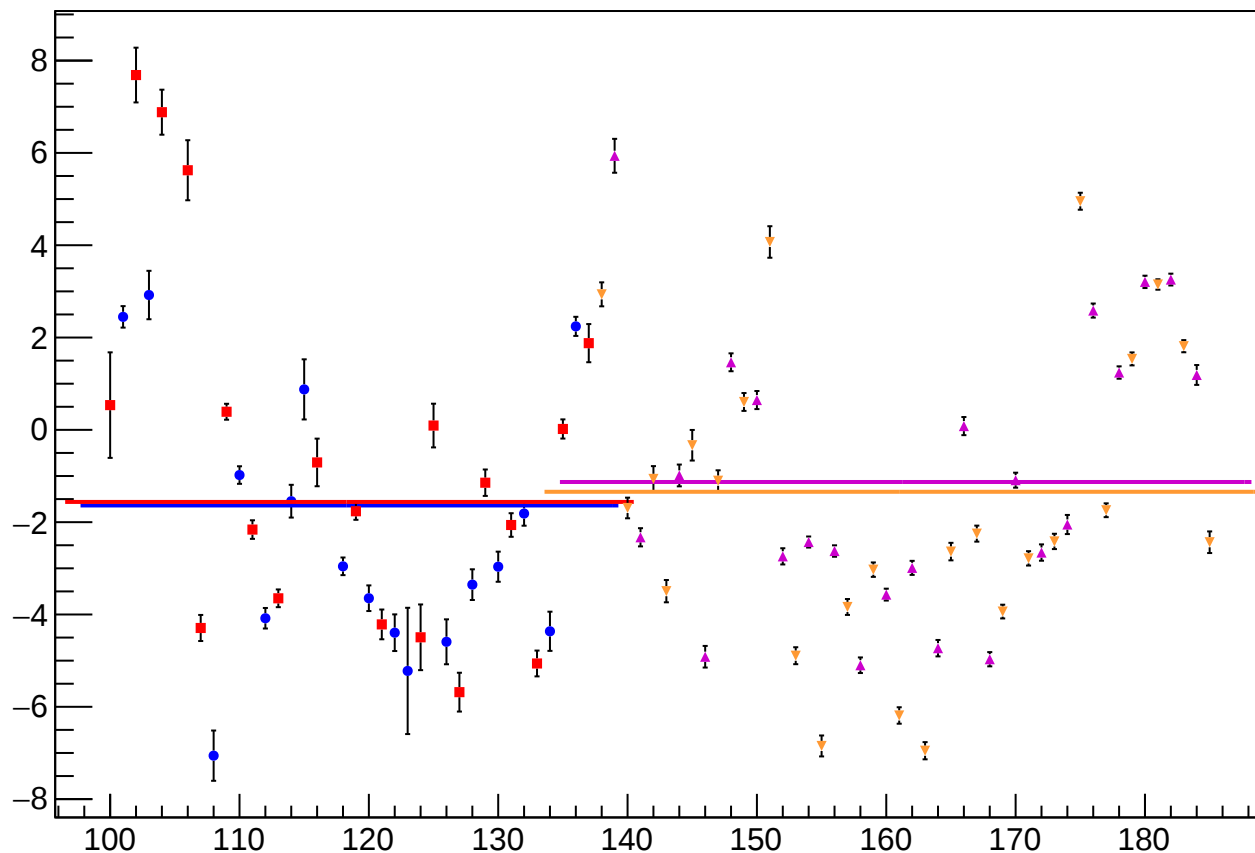
Right: -2.451 ± 0.074 χ^2/NDF : 1342.9/35

In: 14.606 ± 0.036 χ^2/NDF : 66880.1/39

Out: 15.353 ± 0.036 χ^2/NDF : 116702.2/43

All: 14.973 ± 0.026 χ^2/NDF : 183796.7/83

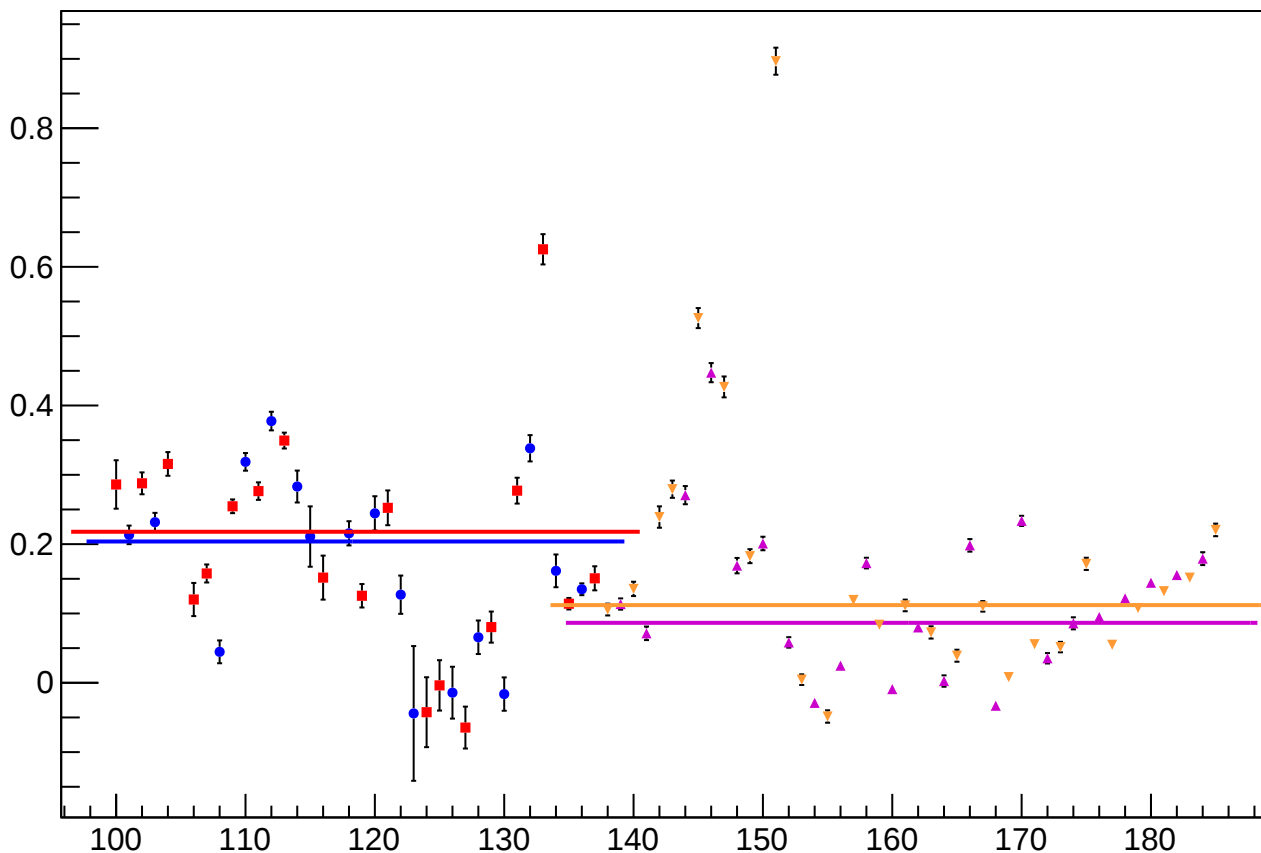
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.638 ± 0.071 $\chi^2/\text{NDF}: 1258.5/16$
 Left Out: -1.342 ± 0.036 $\chi^2/\text{NDF}: 7925.9/24$
 Right Out: -1.561 ± 0.066 $\chi^2/\text{NDF}: 1503.8/18$
 Left In: -1.129 ± 0.034 $\chi^2/\text{NDF}: 6740.3/22$

Left: -1.230 ± 0.025 $\chi^2/\text{NDF}: 14684.5/47$
 Right: -1.597 ± 0.048 $\chi^2/\text{NDF}: 2762.9/35$
 In: -1.224 ± 0.031 $\chi^2/\text{NDF}: 8040.2/39$
 Out: -1.392 ± 0.032 $\chi^2/\text{NDF}: 9438.3/43$
 All: -1.306 ± 0.022 $\chi^2/\text{NDF}: 17493.0/83$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.204 $\pm$ 0.004 χ^2 /NDF: 645.6/16

Left Out: 0.112 $\pm$ 0.002 χ^2 /NDF:4502.2/24

Right Out: 0.218 $\pm$ 0.004 χ^2 /NDF: 1016.1/18

Left In: 0.087 $\pm$ 0.002 χ^2 /NDF:3655.4/22

Left: 0.098 $\pm$ 0.001 χ^2 /NDF: 8292.9/47

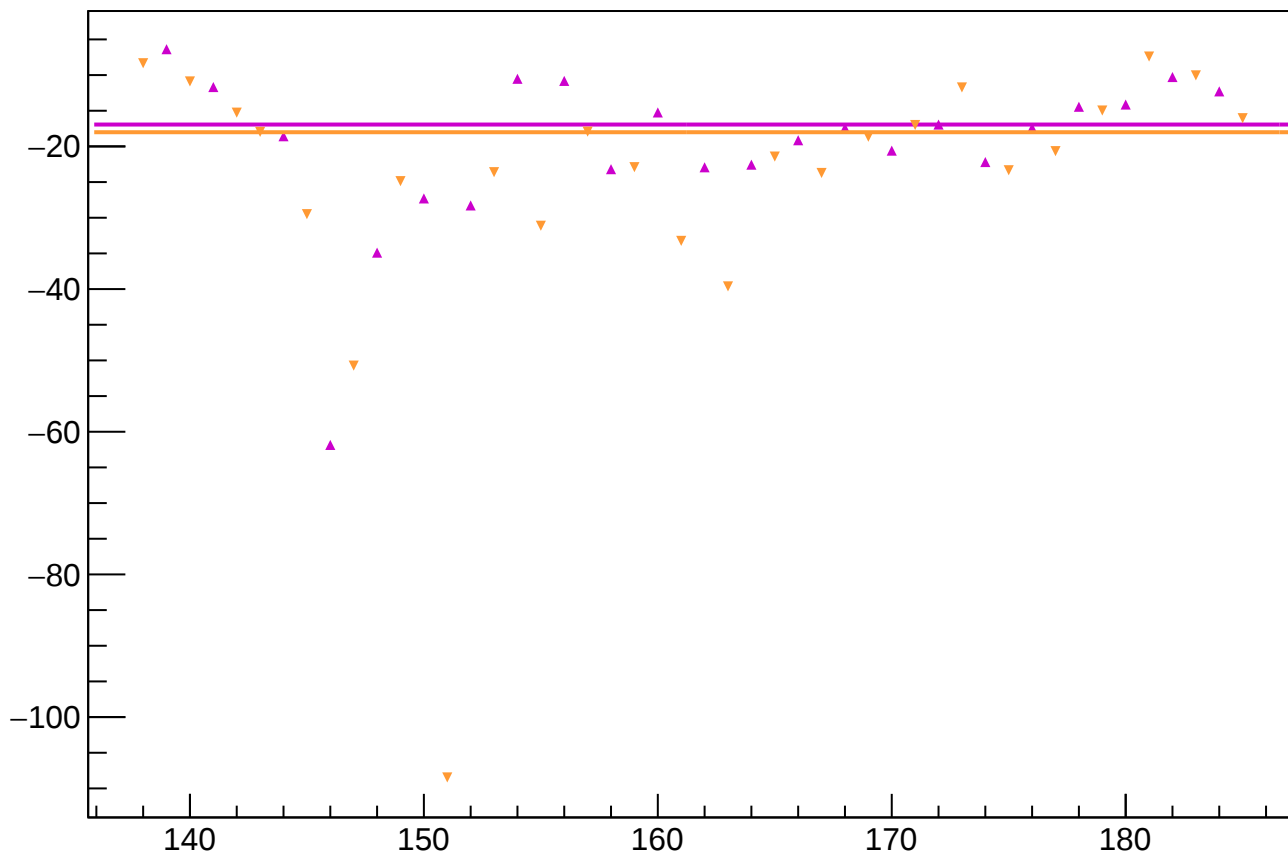
Right: 0.212 $\pm$ 0.003 χ^2 /NDF: 1668.1/35

In: 0.100 $\pm$ 0.001 χ^2 /NDF:5005.0/39

Out: 0.129 $\pm$ 0.001 χ^2 /NDF:6207.4/43

All: 0.114 $\pm$ 0.001 χ^2 /NDF: 11411.4/83

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.011+/-0.039 χ^2/NDF : 88359.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -16.934+/-0.038 χ^2/NDF : 44060.6/22

Left: -17.462+/-0.027 χ^2/NDF : 132815.5/47

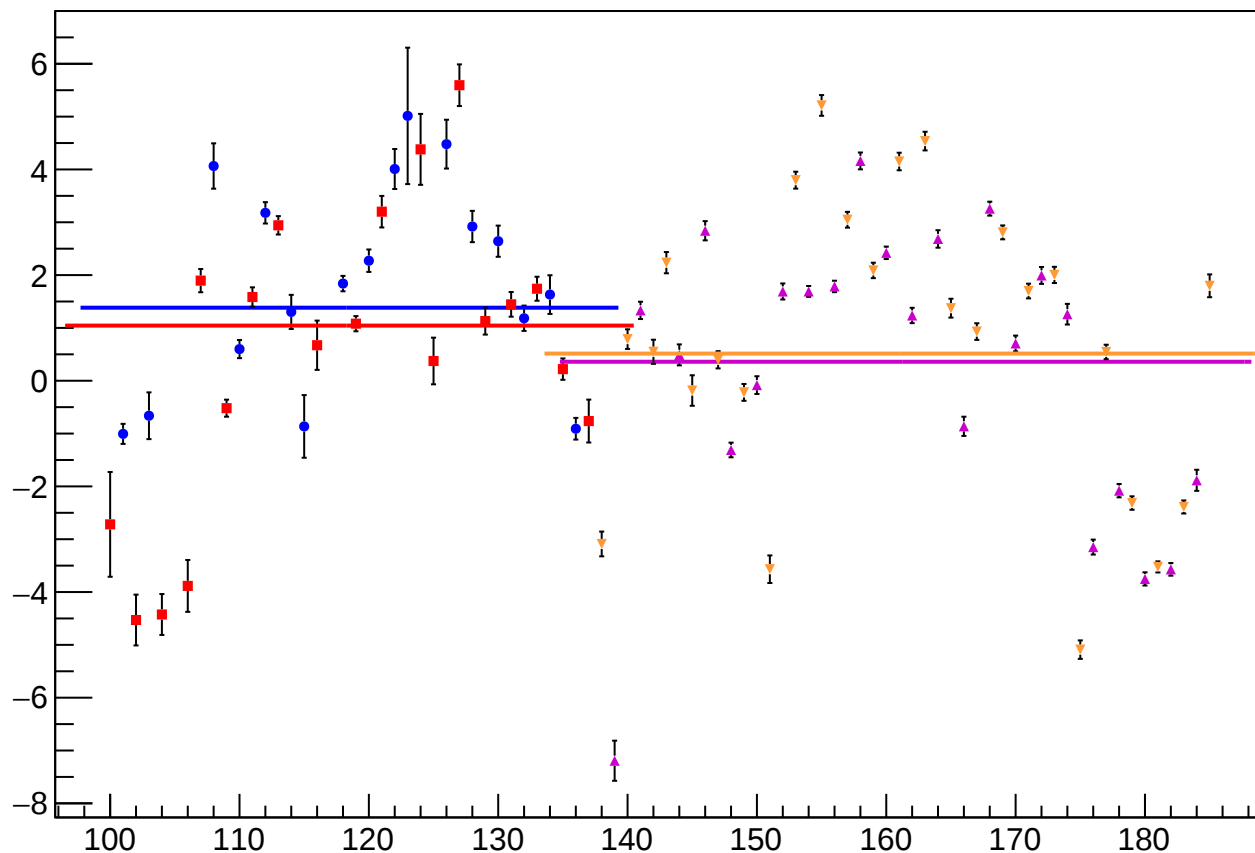
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -16.934+/-0.038 χ^2/NDF : 44060.6/22

Out: -18.011+/-0.039 χ^2/NDF : 88359.0/24

All: -17.462+/-0.027 χ^2/NDF : 132815.5/47

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.383 ± 0.062 χ^2/NDF : 632.3/16

Left Out: 0.514 ± 0.032 χ^2/NDF : 7055.6/24

Right Out: 1.044 ± 0.058 χ^2/NDF : 947.0/18

Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

Left: 0.433 ± 0.022 χ^2/NDF : 13288.9/47

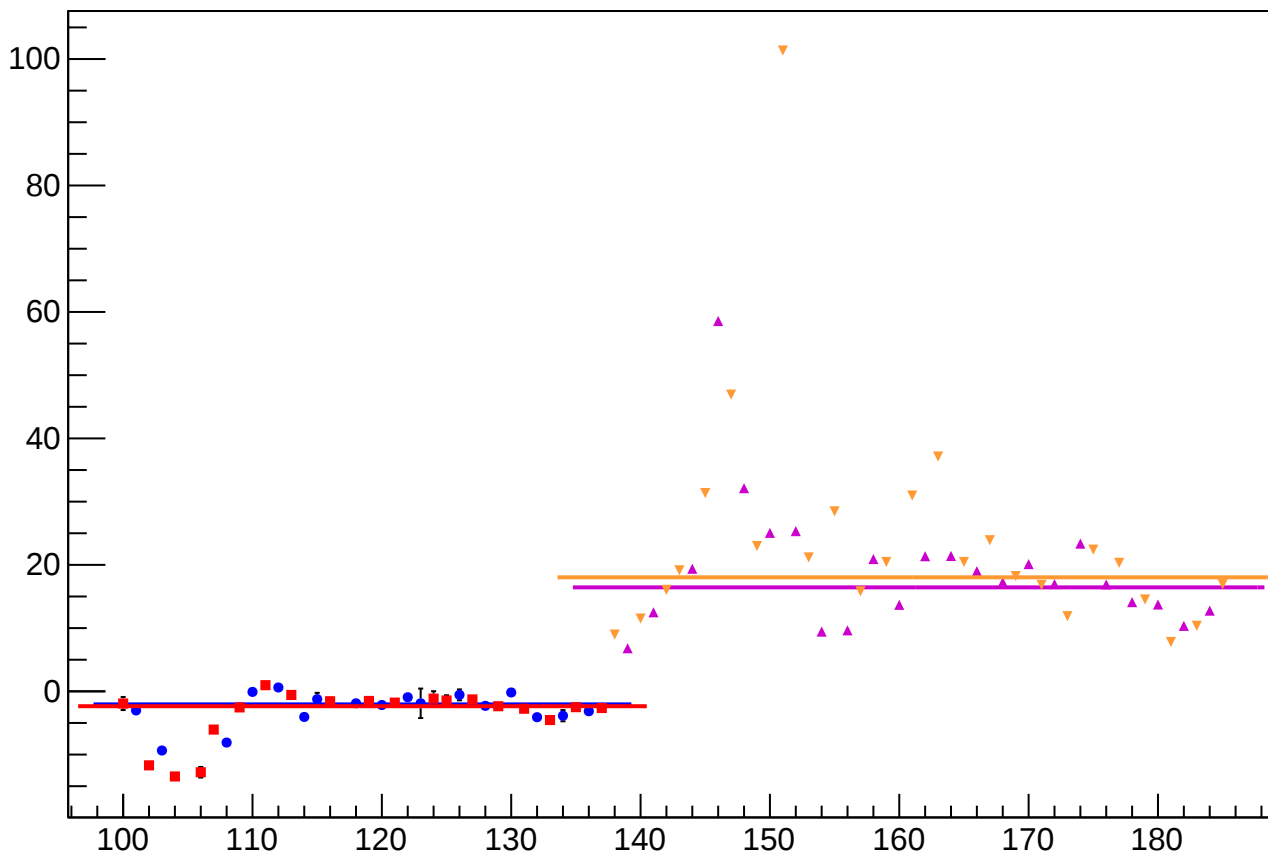
Right: 1.202 ± 0.042 χ^2/NDF : 1595.3/35

In: 0.560 ± 0.027 χ^2/NDF : 7073.9/39

Out: 0.640 ± 0.028 χ^2/NDF : 8066.7/43

All: 0.599 ± 0.020 χ^2/NDF : 15144.7/83

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.066 ± 0.111 χ^2/NDF : 450.1/16

Left Out: 18.032 ± 0.039 χ^2/NDF : 77694.7/24

Right Out: -2.353 ± 0.098 χ^2/NDF : 894.9/18

Left In: 16.443 ± 0.038 χ^2/NDF : 40780.6/22

Left: 17.210 ± 0.027 χ^2/NDF : 119342.1/47

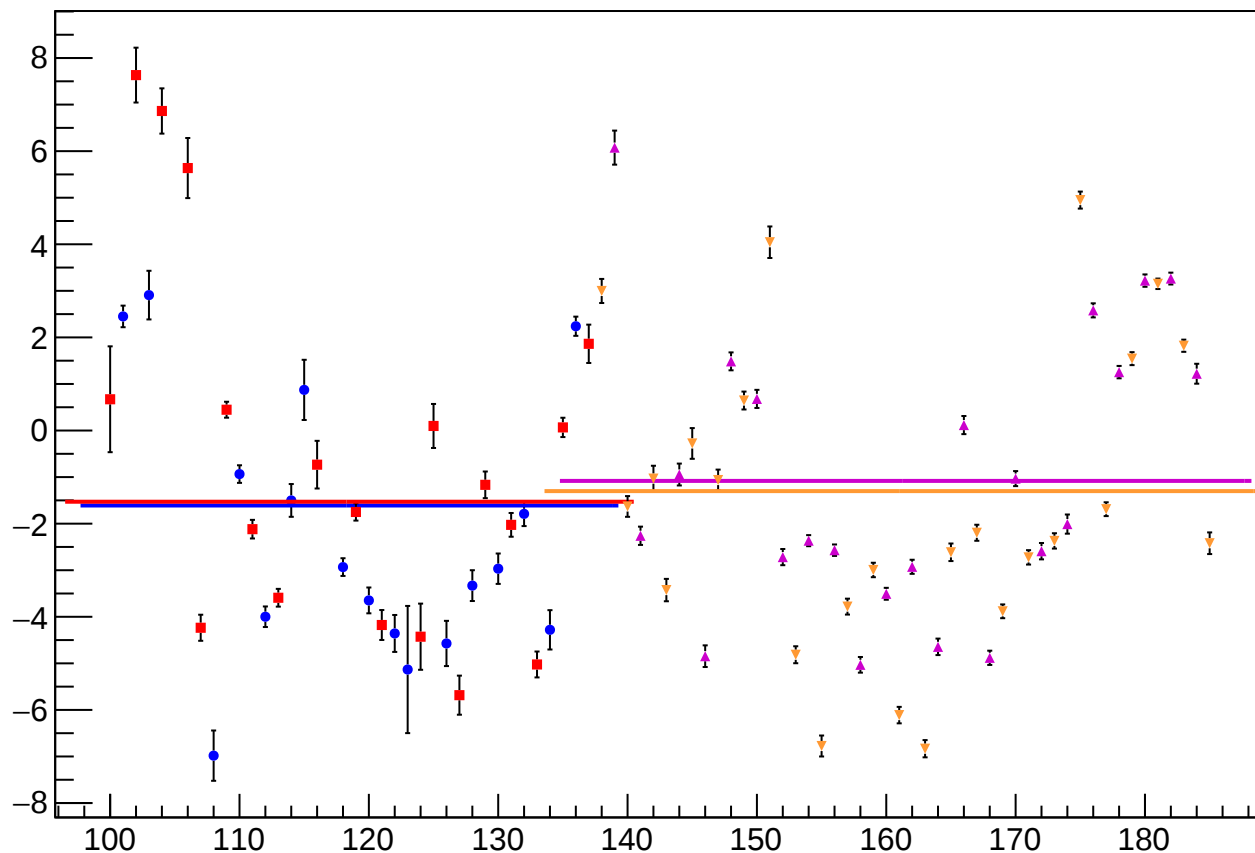
Right: -2.226 ± 0.074 χ^2/NDF : 1348.7/35

In: 14.545 ± 0.036 χ^2/NDF : 66193.4/39

Out: 15.285 ± 0.036 χ^2/NDF : 115714.5/43

All: 14.909 ± 0.025 χ^2/NDF : 182121.3/83

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.610 ± 0.071 χ^2/NDF : 1253.3/16

Left Out: -1.301 ± 0.036 χ^2/NDF : 7908.1/24

Right Out: -1.529 ± 0.065 χ^2/NDF : 1507.9/18

Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

Left: -1.186 ± 0.025 χ^2/NDF : 14652.0/47

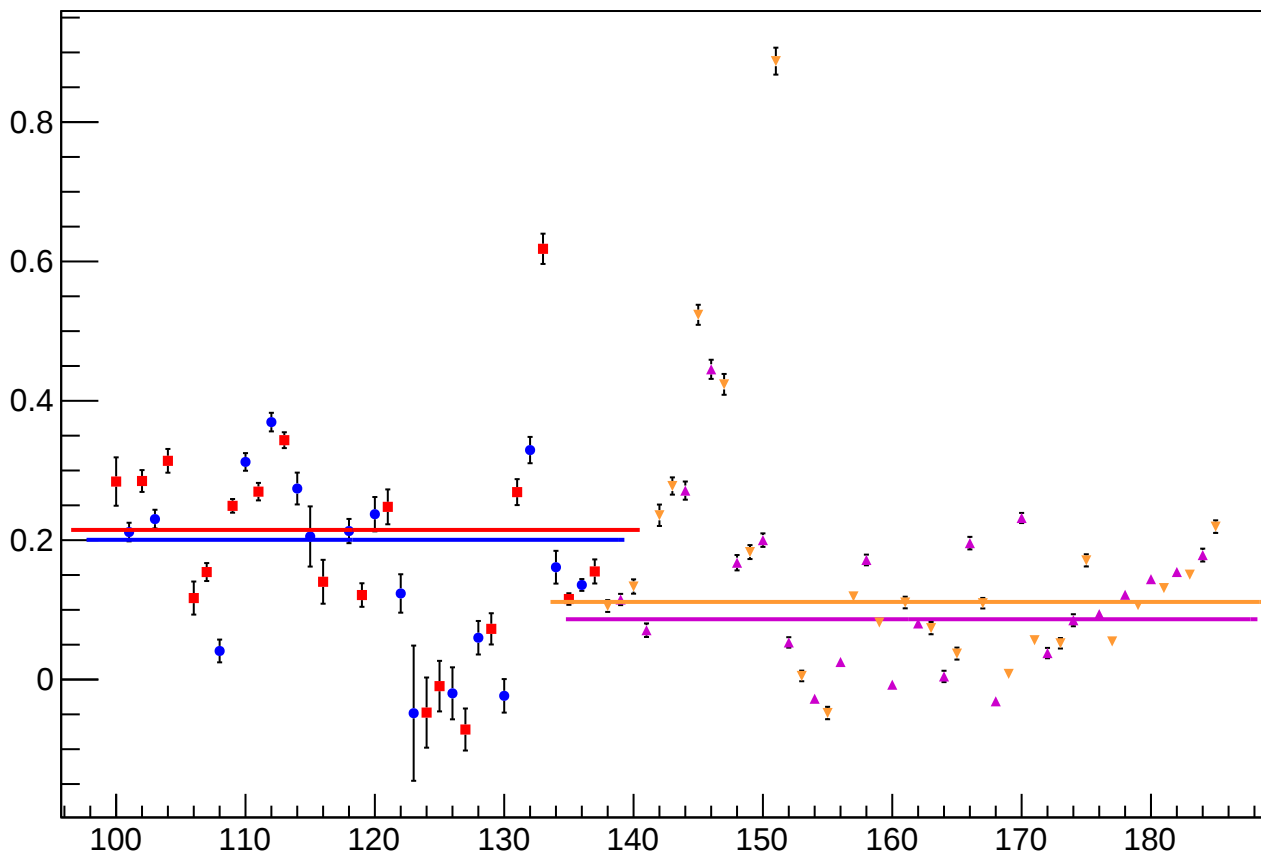
Right: -1.566 ± 0.048 χ^2/NDF : 2761.9/35

In: -1.180 ± 0.031 χ^2/NDF : 8022.4/39

Out: -1.353 ± 0.031 χ^2/NDF : 9425.4/43

All: -1.265 ± 0.022 χ^2/NDF : 17463.5/83

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 χ^2/NDF : 630.5/16

Left Out: 0.111 ± 0.002 χ^2/NDF : 4494.6/24

Right Out: 0.215 ± 0.004 χ^2/NDF : 999.0/18

Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

Left: 0.098 ± 0.001 χ^2/NDF : 8249.8/47

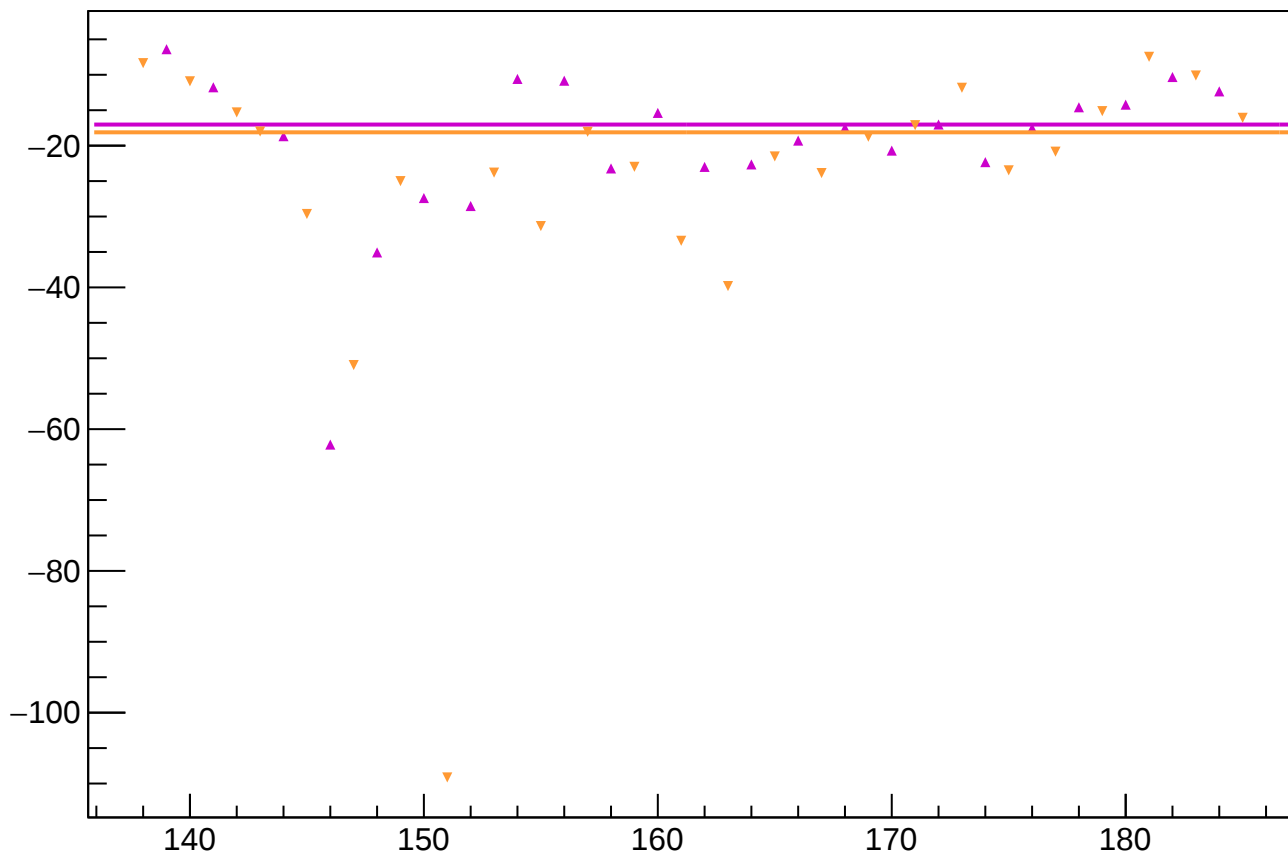
Right: 0.208 ± 0.003 χ^2/NDF : 1636.0/35

In: 0.100 ± 0.001 χ^2/NDF : 4927.2/39

Out: 0.128 ± 0.001 χ^2/NDF : 6157.7/43

All: 0.113 ± 0.001 χ^2/NDF : 11276.4/83

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left Out: -18.119 $\pm$ 0.039 χ^2 /NDF:88494.3/24

Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

Left In: -17.024 $\pm$ 0.038 χ^2 /NDF:44141.8/22

Left: -17.560 $\pm$ 0.027 χ^2 /NDF: 133042.4/47

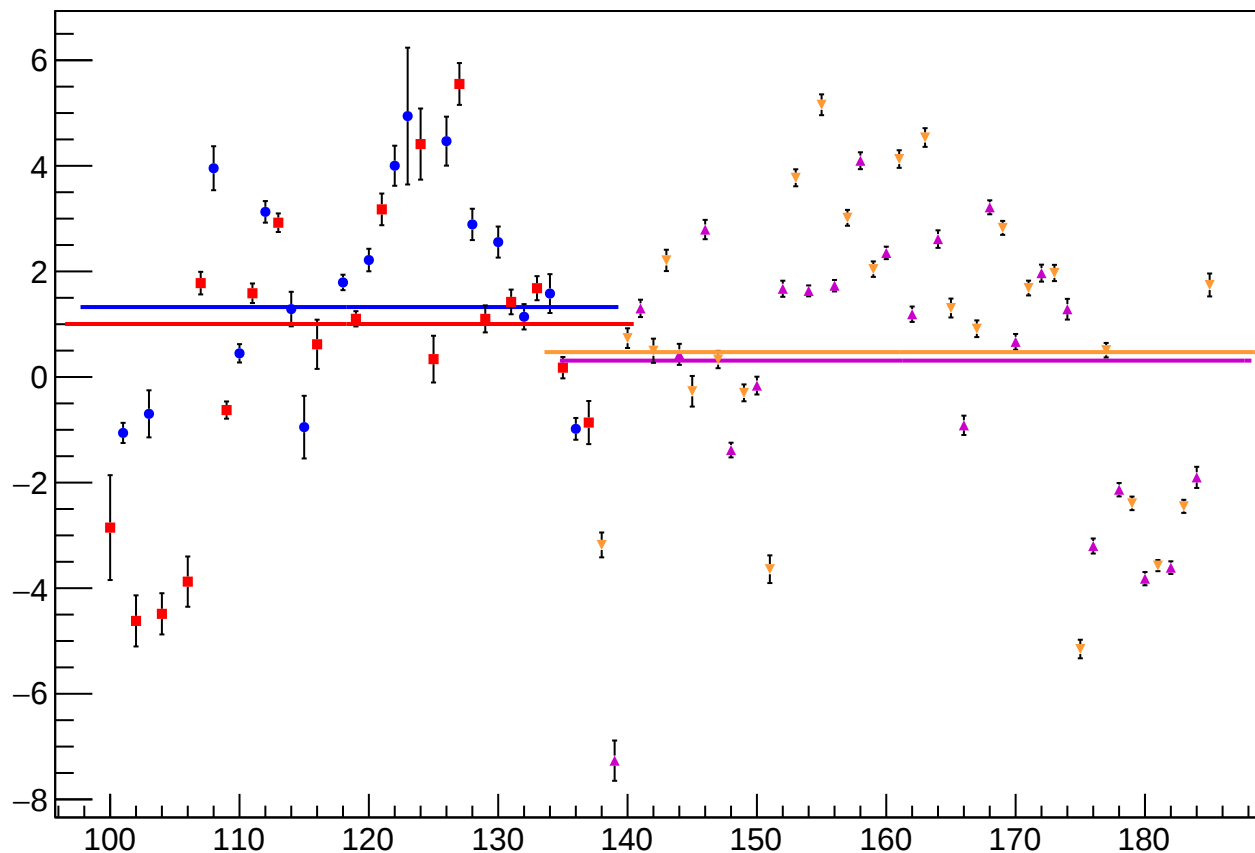
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -17.024 $\pm$ 0.038 χ^2 /NDF:44141.8/22

Out: -18.119 $\pm$ 0.039 χ^2 /NDF:88494.3/24

All: -17.560 $\pm$ 0.027 χ^2 /NDF: 133042.4/47

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.325 $\pm$ 0.062 χ^2 /NDF: 637.1/16

Left Out: 0.472 $\pm$ 0.032 χ^2 /NDF: 7079.1/24

Right Out: 1.004 $\pm$ 0.058 χ^2 /NDF: 957.8/18

Left In: 0.311 $\pm$ 0.031 χ^2 /NDF: 6183.1/22

Left: 0.387 $\pm$ 0.022 χ^2 /NDF: 13275.3/47

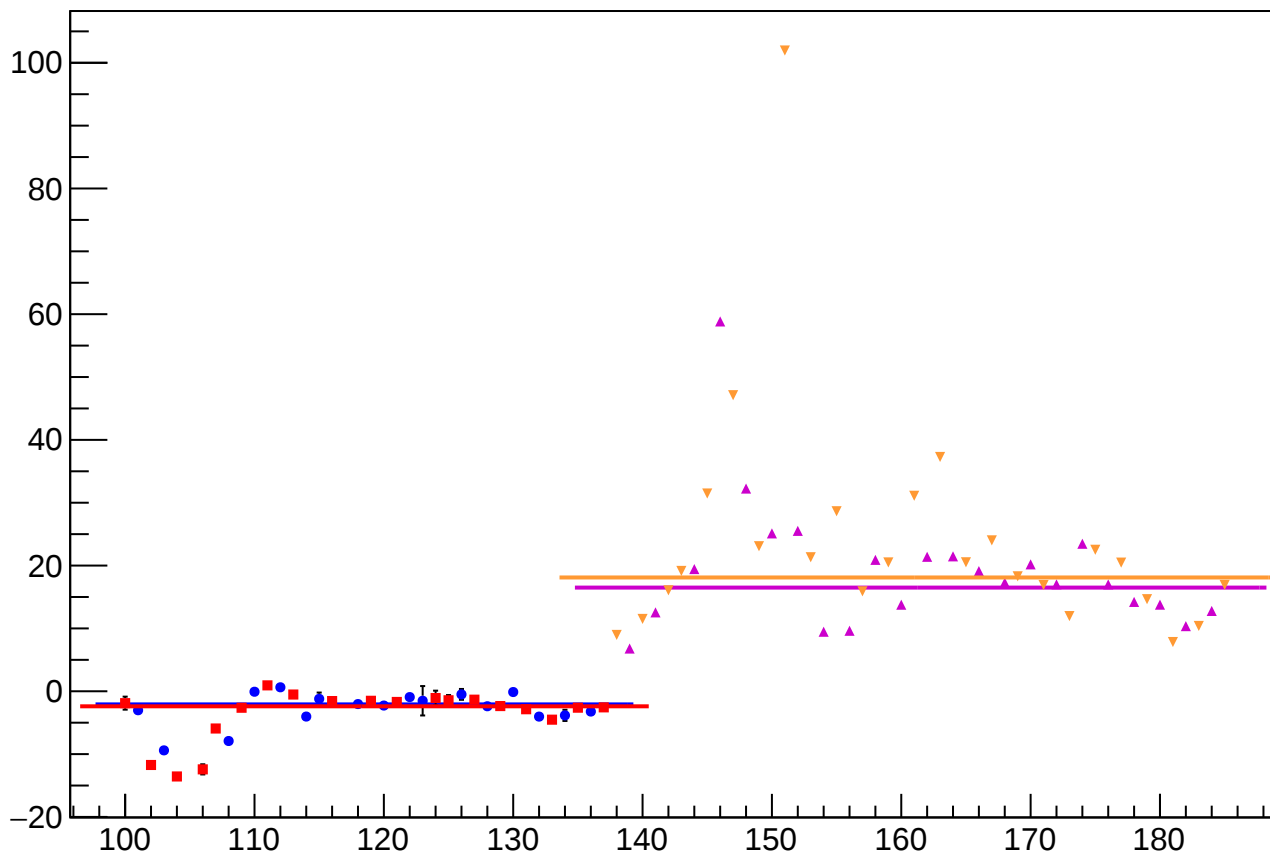
Right: 1.154 $\pm$ 0.042 χ^2 /NDF: 1609.2/35

In: 0.509 $\pm$ 0.027 χ^2 /NDF: 7035.1/39

Out: 0.598 $\pm$ 0.028 χ^2 /NDF: 8101.3/43

All: 0.552 $\pm$ 0.020 χ^2 /NDF: 15141.4/83

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.090 ± 0.112 χ^2/NDF : 449.1/16

Left Out: 18.106 ± 0.039 χ^2/NDF : 77813.3/24

Right Out: -2.395 ± 0.099 χ^2/NDF : 889.1/18

Left In: 16.496 ± 0.038 χ^2/NDF : 40867.3/22

Left: 17.273 ± 0.027 χ^2/NDF : 119563.5/47

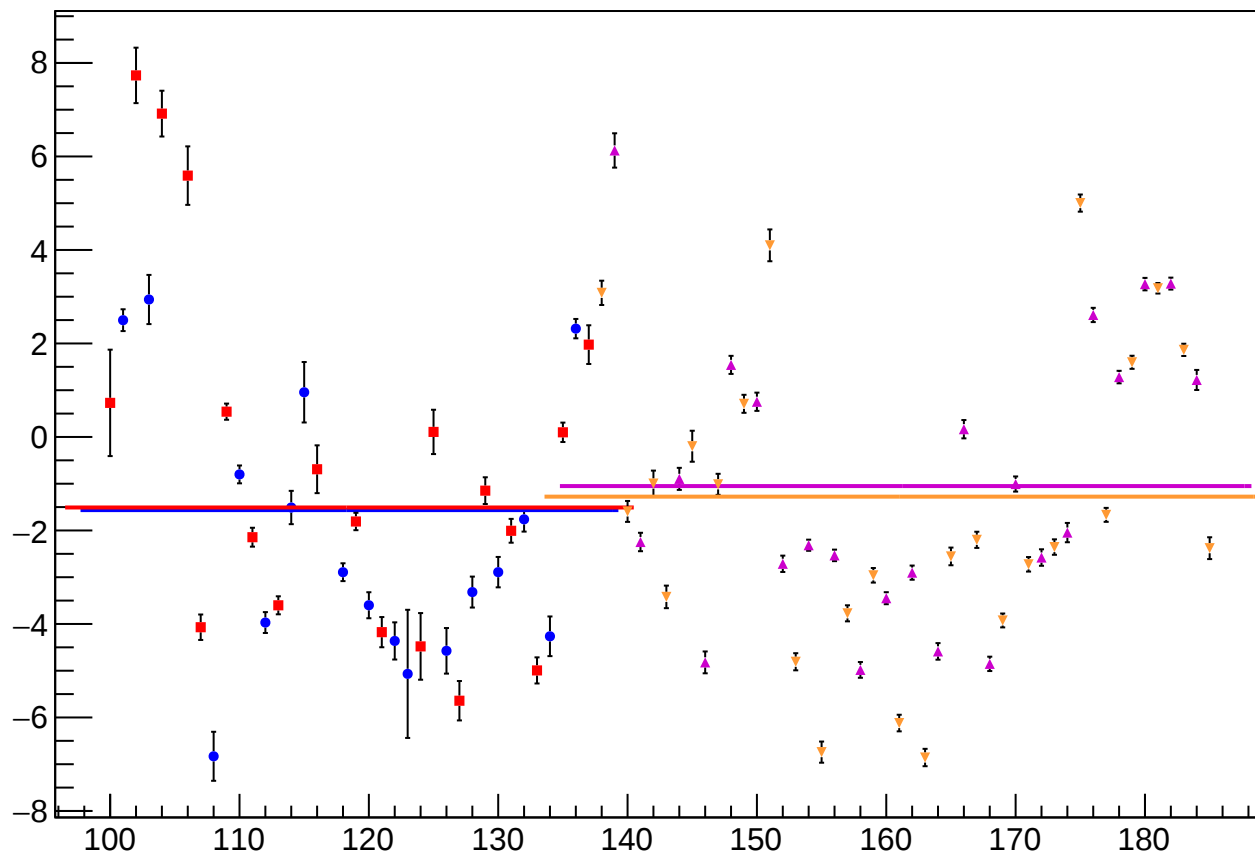
Right: -2.261 ± 0.074 χ^2/NDF : 1342.3/35

In: 14.595 ± 0.036 χ^2/NDF : 66228.5/39

Out: 15.347 ± 0.036 χ^2/NDF : 115892.2/43

All: 14.965 ± 0.025 χ^2/NDF : 182338.9/83

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



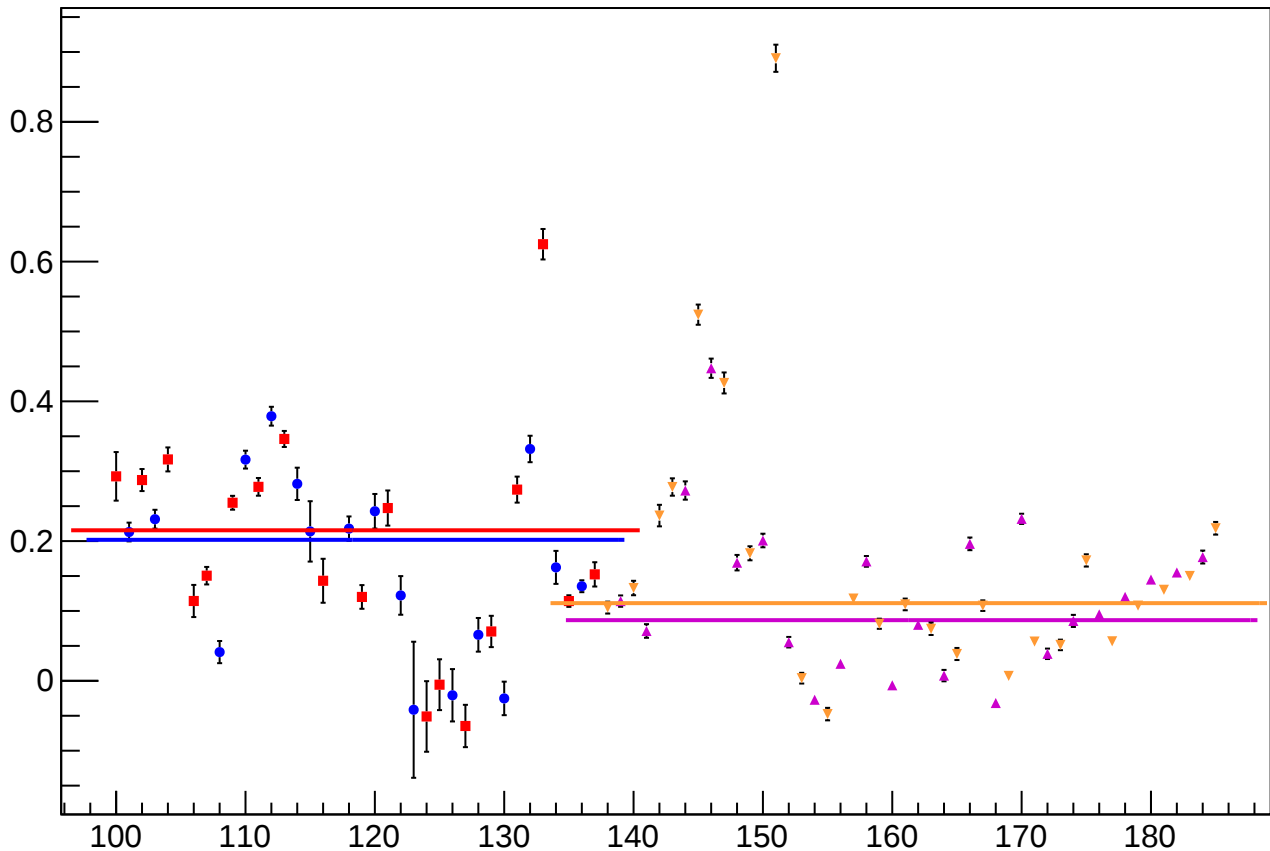
Right In: -1.565 ± 0.071 $\chi^2/\text{NDF}: 1258.1/16$
 Left Out: -1.277 ± 0.036 $\chi^2/\text{NDF}: 7935.7/24$
 Right Out: -1.508 ± 0.066 $\chi^2/\text{NDF}: 1518.8/18$
 Left In: -1.050 ± 0.034 $\chi^2/\text{NDF}: 6673.4/22$

Left: -1.158 ± 0.025 $\chi^2/\text{NDF}: 14630.0/47$
 Right: -1.534 ± 0.048 $\chi^2/\text{NDF}: 2777.2/35$

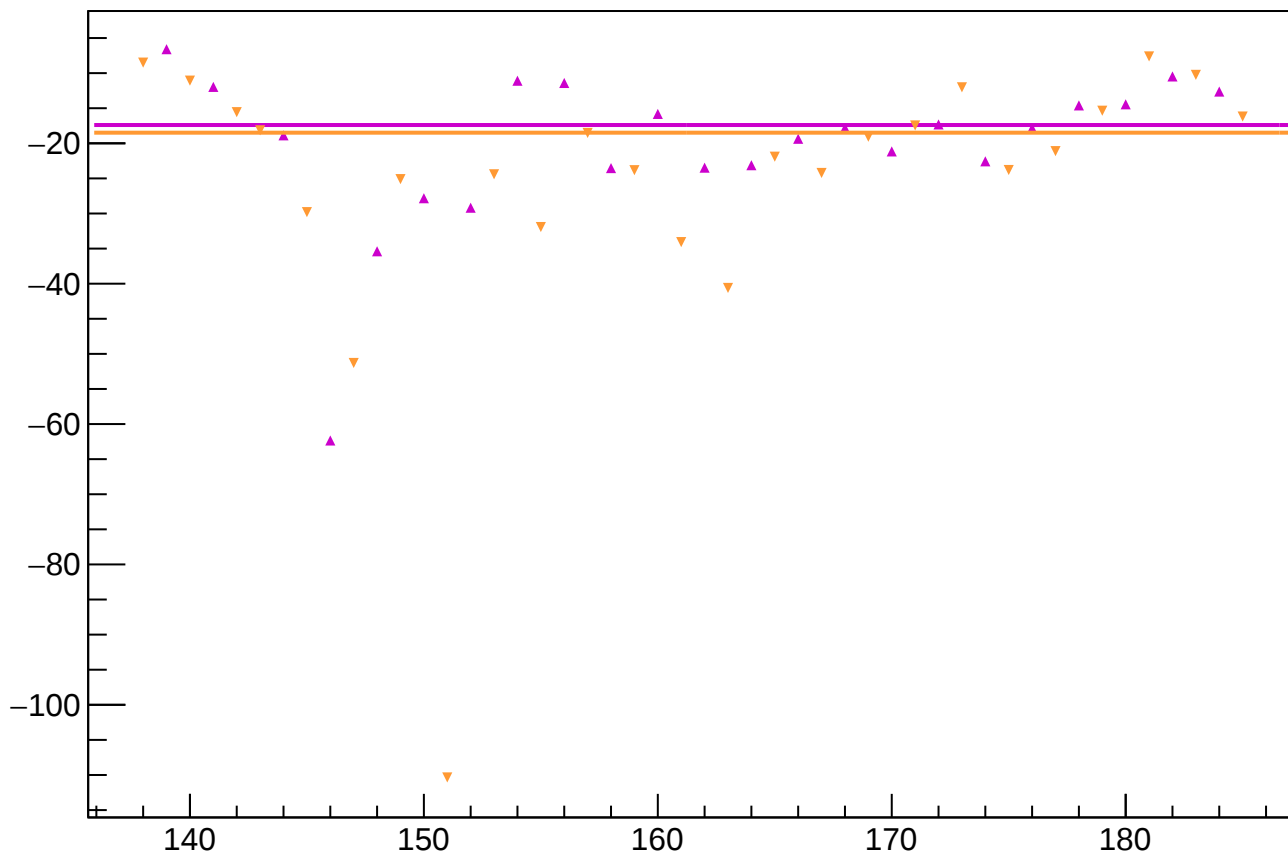
In: -1.146 ± 0.031 $\chi^2/\text{NDF}: 7973.9/39$
 Out: -1.330 ± 0.031 $\chi^2/\text{NDF}: 9464.1/43$

All: -1.236 ± 0.022 $\chi^2/\text{NDF}: 17455.5/83$

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -18.485+/-0.040 χ^2/NDF : 87861.1/24

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -17.393+/-0.039 χ^2/NDF : 43178.9/22

Left: -17.928+/-0.028 χ^2/NDF : 131425.4/47

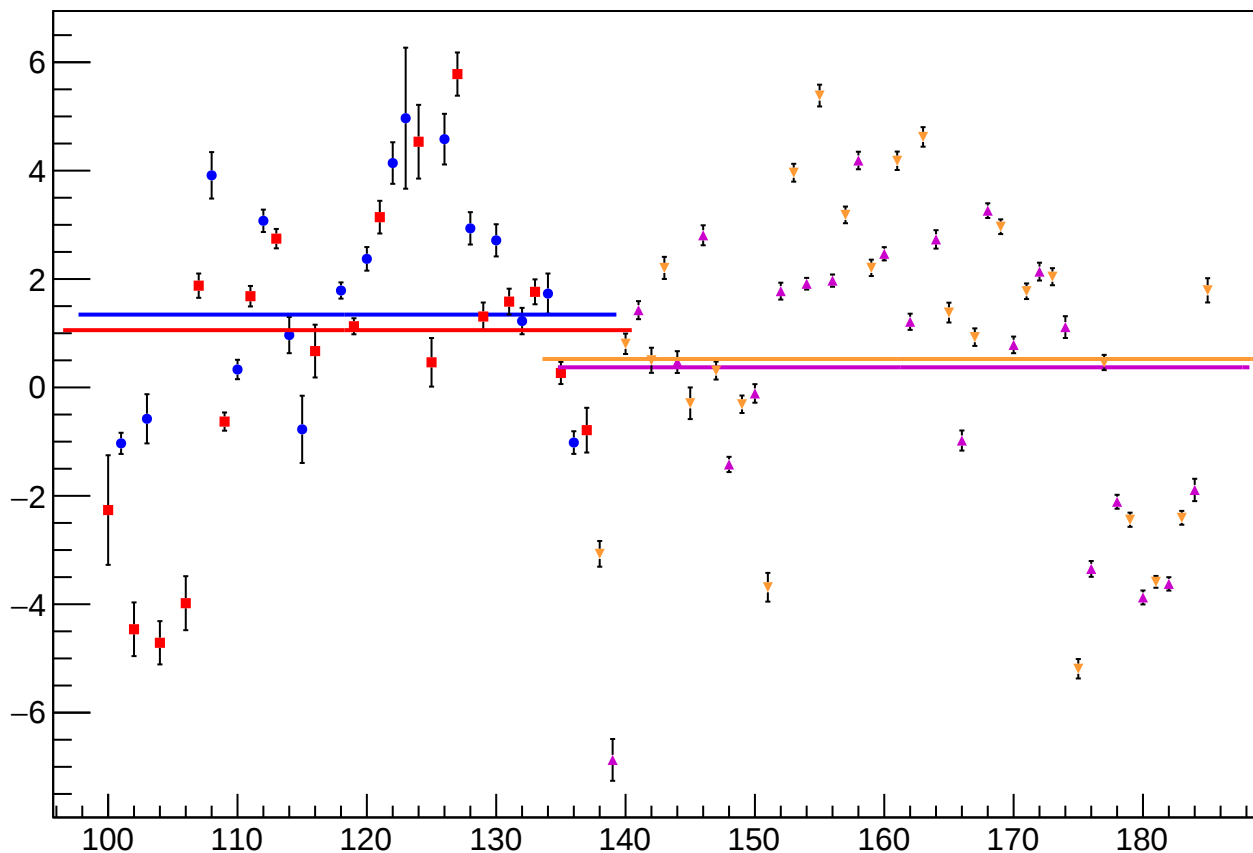
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.393+/-0.039 χ^2/NDF : 43178.9/22

Out: -18.485+/-0.040 χ^2/NDF : 87861.1/24

All: -17.928+/-0.028 χ^2/NDF : 131425.4/47

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.344 ± 0.063 χ^2/NDF : 636.3/16

Left Out: 0.525 ± 0.033 χ^2/NDF : 7039.8/24

Right Out: 1.057 ± 0.059 χ^2/NDF : 927.5/18

Left In: 0.371 ± 0.031 χ^2/NDF : 6217.4/22

Left: 0.444 ± 0.023 χ^2/NDF : 13268.6/47

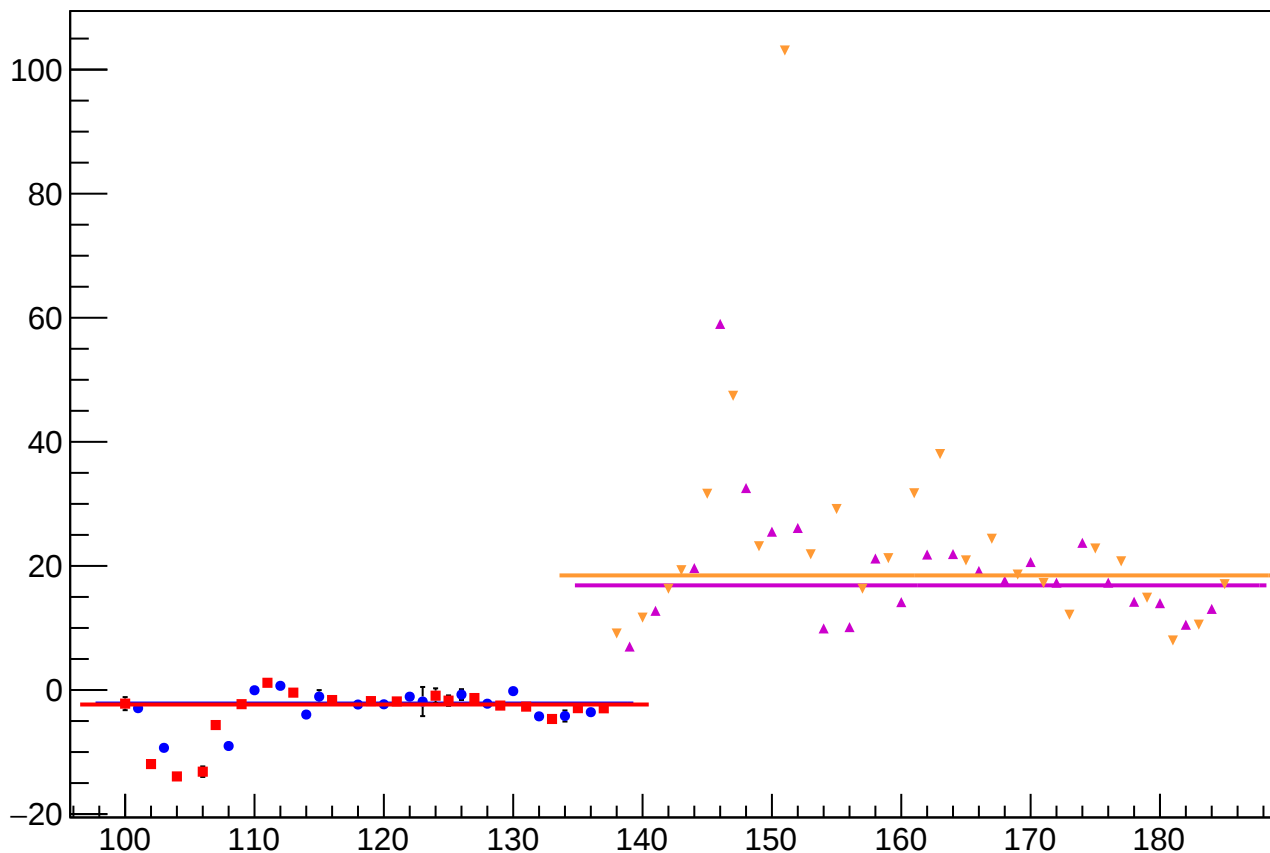
Right: 1.191 ± 0.043 χ^2/NDF : 1574.8/35

In: 0.564 ± 0.028 χ^2/NDF : 7043.7/39

Out: 0.651 ± 0.029 χ^2/NDF : 8029.0/43

All: 0.606 ± 0.020 χ^2/NDF : 15077.4/83

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.181 ± 0.114 $\chi^2/\text{NDF}: 472.4/16$

Left Out: 18.472 ± 0.040 $\chi^2/\text{NDF}: 77211.5/24$

Right Out: -2.337 ± 0.101 $\chi^2/\text{NDF}: 910.1/18$

Left In: 16.867 ± 0.039 $\chi^2/\text{NDF}: 39779.0/22$

Left: 17.642 ± 0.028 $\chi^2/\text{NDF}: 117827.1/47$

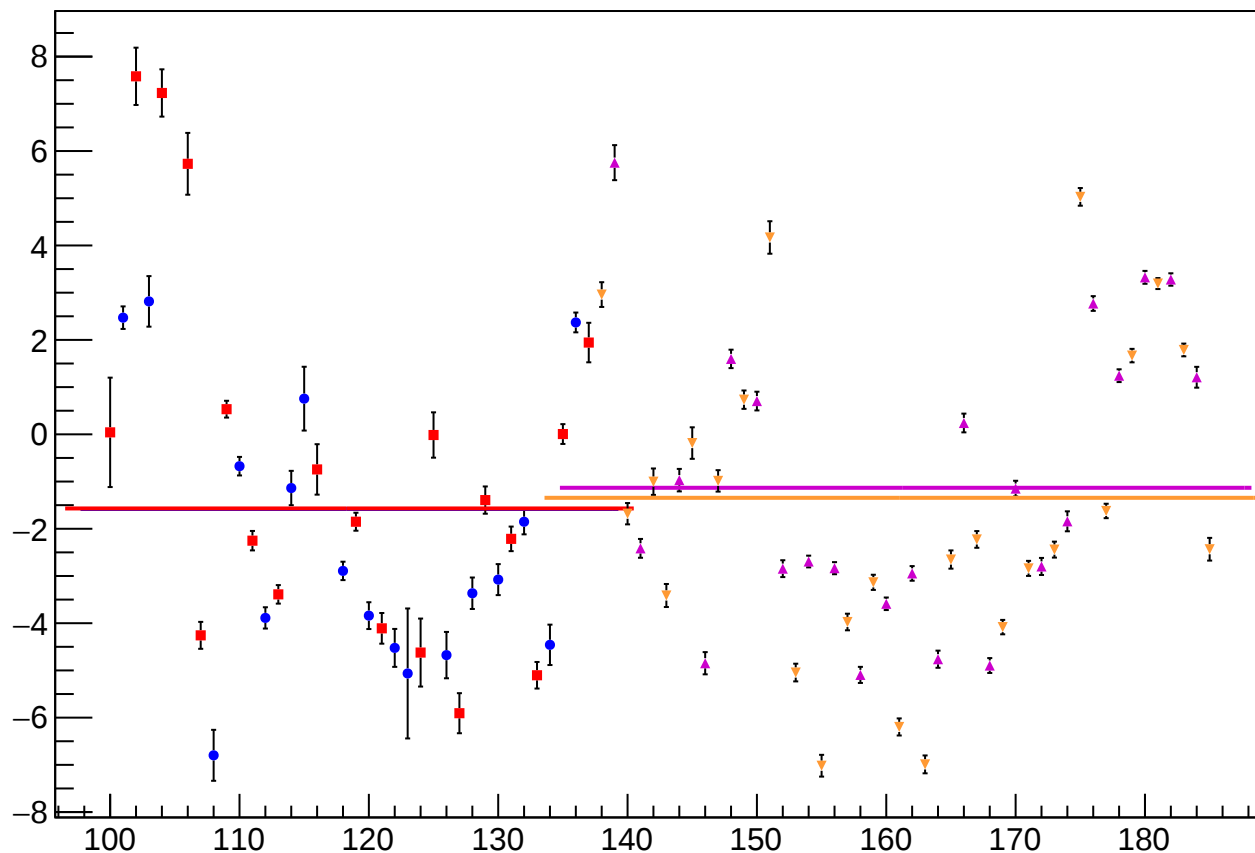
Right: -2.268 ± 0.075 $\chi^2/\text{NDF}: 1383.5/35$

In: 14.898 ± 0.037 $\chi^2/\text{NDF}: 65468.8/39$

Out: 15.662 ± 0.037 $\chi^2/\text{NDF}: 114841.3/43$

All: 15.274 ± 0.026 $\chi^2/\text{NDF}: 180525.8/83$

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.581 ± 0.073 $\chi^2/\text{NDF}: 1247.7/16$

Left Out: -1.344 ± 0.037 $\chi^2/\text{NDF}: 7889.8/24$

Right Out: -1.570 ± 0.067 $\chi^2/\text{NDF}: 1477.5/18$

Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6708.5/22$

Left: -1.233 ± 0.025 $\chi^2/\text{NDF}: 14616.0/47$

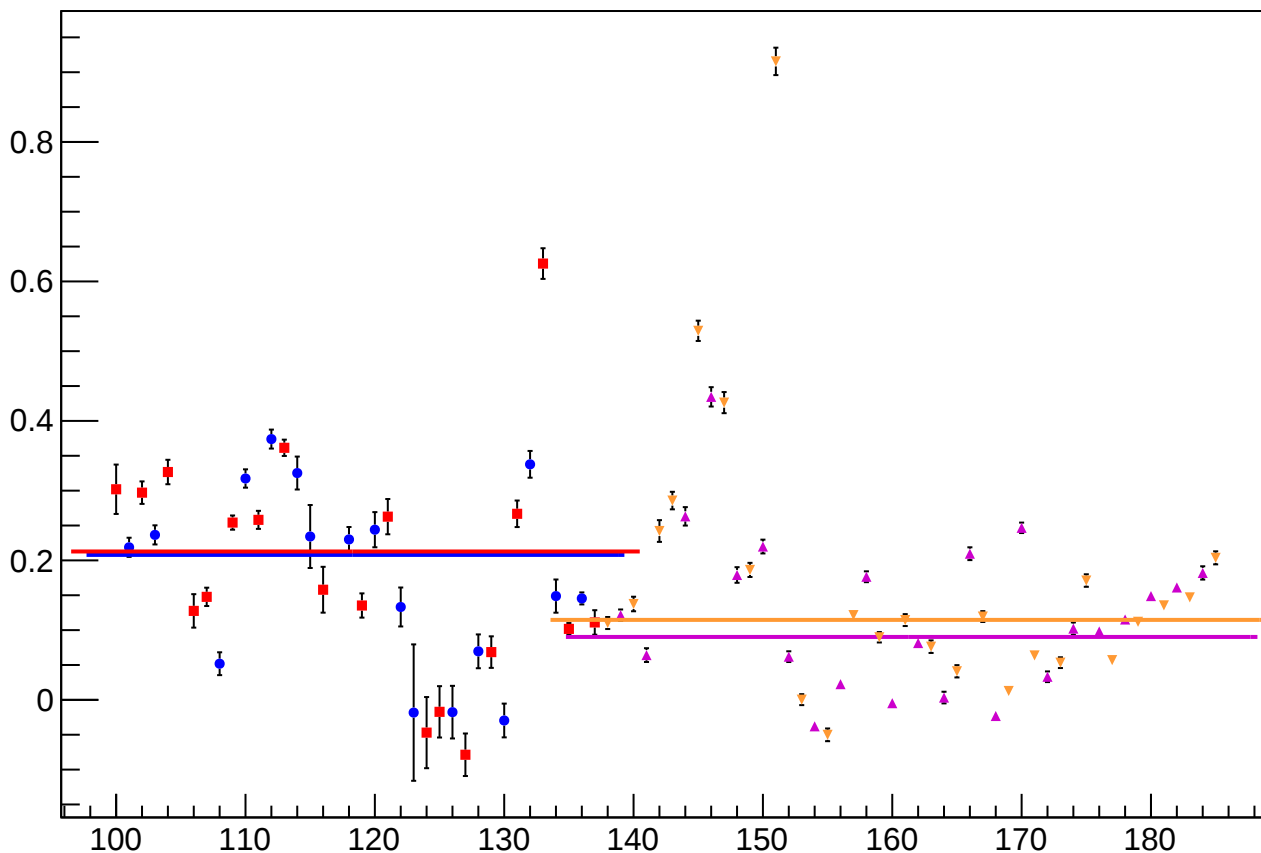
Right: -1.575 ± 0.049 $\chi^2/\text{NDF}: 2725.2/35$

In: -1.216 ± 0.031 $\chi^2/\text{NDF}: 7987.3/39$

Out: -1.396 ± 0.032 $\chi^2/\text{NDF}: 9376.1/43$

All: -1.304 ± 0.022 $\chi^2/\text{NDF}: 17379.5/83$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.208 ± 0.004 χ^2/NDF : 624.0/16

Left Out: 0.115 ± 0.002 χ^2/NDF : 4429.4/24

Right Out: 0.213 ± 0.004 χ^2/NDF : 1097.2/18

Left In: 0.090 ± 0.002 χ^2/NDF : 3676.5/22

Left: 0.102 ± 0.001 χ^2/NDF : 8224.6/47

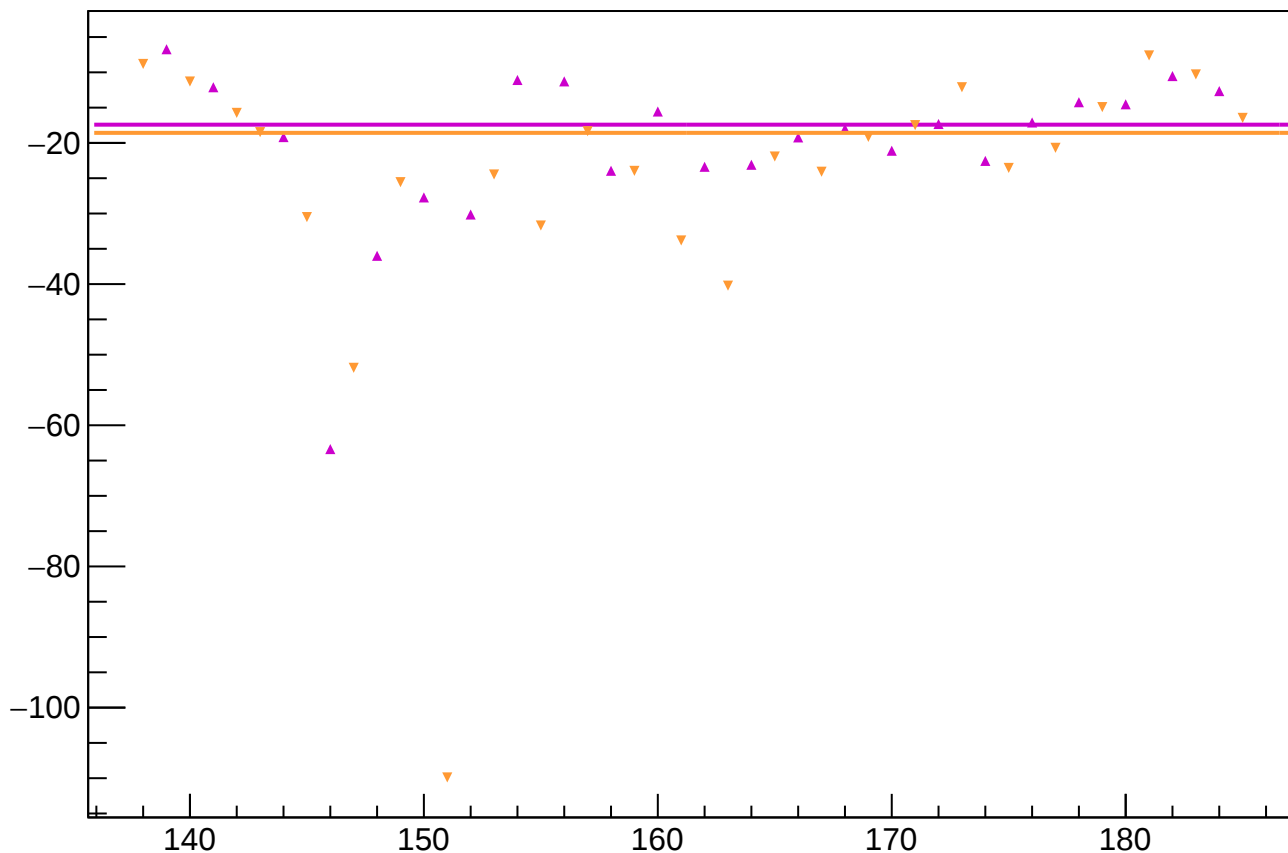
Right: 0.211 ± 0.003 χ^2/NDF : 1721.9/35

In: 0.104 ± 0.001 χ^2/NDF : 4984.7/39

Out: 0.130 ± 0.002 χ^2/NDF : 6098.2/43

All: 0.117 ± 0.001 χ^2/NDF : 11242.7/83

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -18.573 ± 0.040 χ^2/NDF : 86355.7/24

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -17.414 ± 0.039 χ^2/NDF : 43504.1/22

Left: -17.982 ± 0.028 χ^2/NDF : 130285.5/47

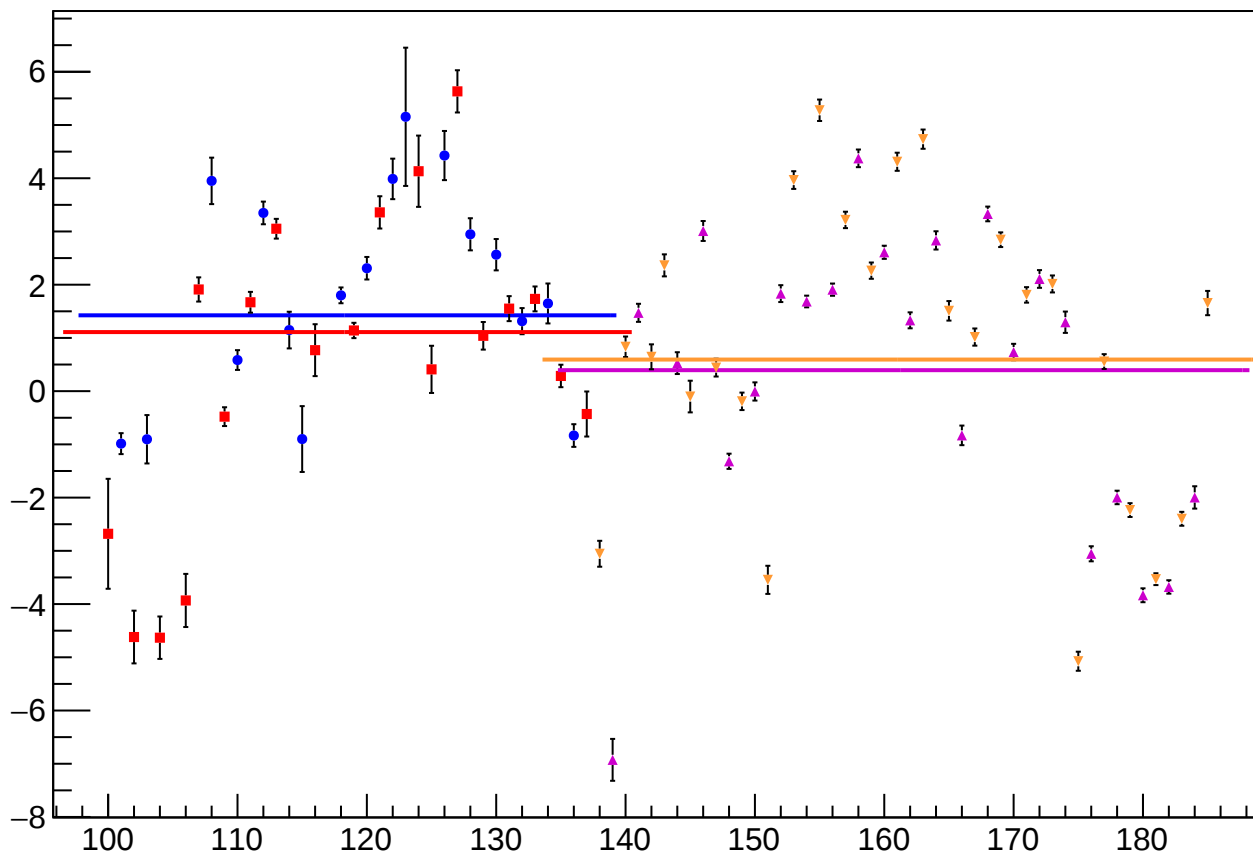
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -17.414 ± 0.039 χ^2/NDF : 43504.1/22

Out: -18.573 ± 0.040 χ^2/NDF : 86355.7/24

All: -17.982 ± 0.028 χ^2/NDF : 130285.5/47

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.425 ± 0.064 χ^2/NDF : 599.8/16

Left Out: 0.593 ± 0.033 χ^2/NDF : 6783.0/24

Right Out: 1.110 ± 0.060 χ^2/NDF : 915.7/18

Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

Left: 0.489 ± 0.023 χ^2/NDF : 12861.6/47

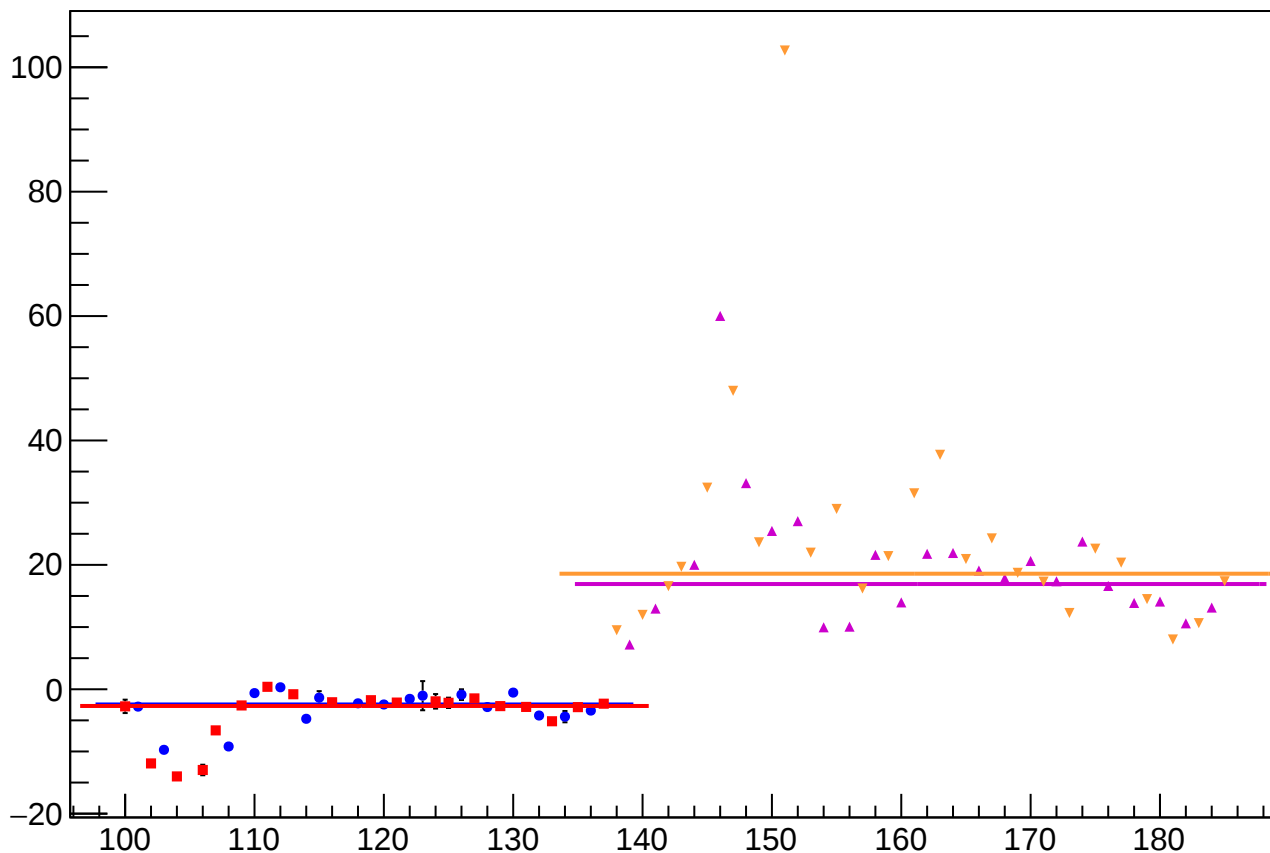
Right: 1.258 ± 0.044 χ^2/NDF : 1528.5/35

In: 0.598 ± 0.028 χ^2/NDF : 6869.3/39

Out: 0.715 ± 0.029 χ^2/NDF : 7755.5/43

All: 0.655 ± 0.020 χ^2/NDF : 14633.0/83

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.446 ± 0.115 χ^2/NDF : 426.7/16

Left Out: 18.579 ± 0.040 χ^2/NDF : 76003.4/24

Right Out: -2.686 ± 0.103 χ^2/NDF : 831.5/18

Left In: 16.919 ± 0.039 χ^2/NDF : 40154.5/22

Left: 17.720 ± 0.028 χ^2/NDF : 117036.6/47

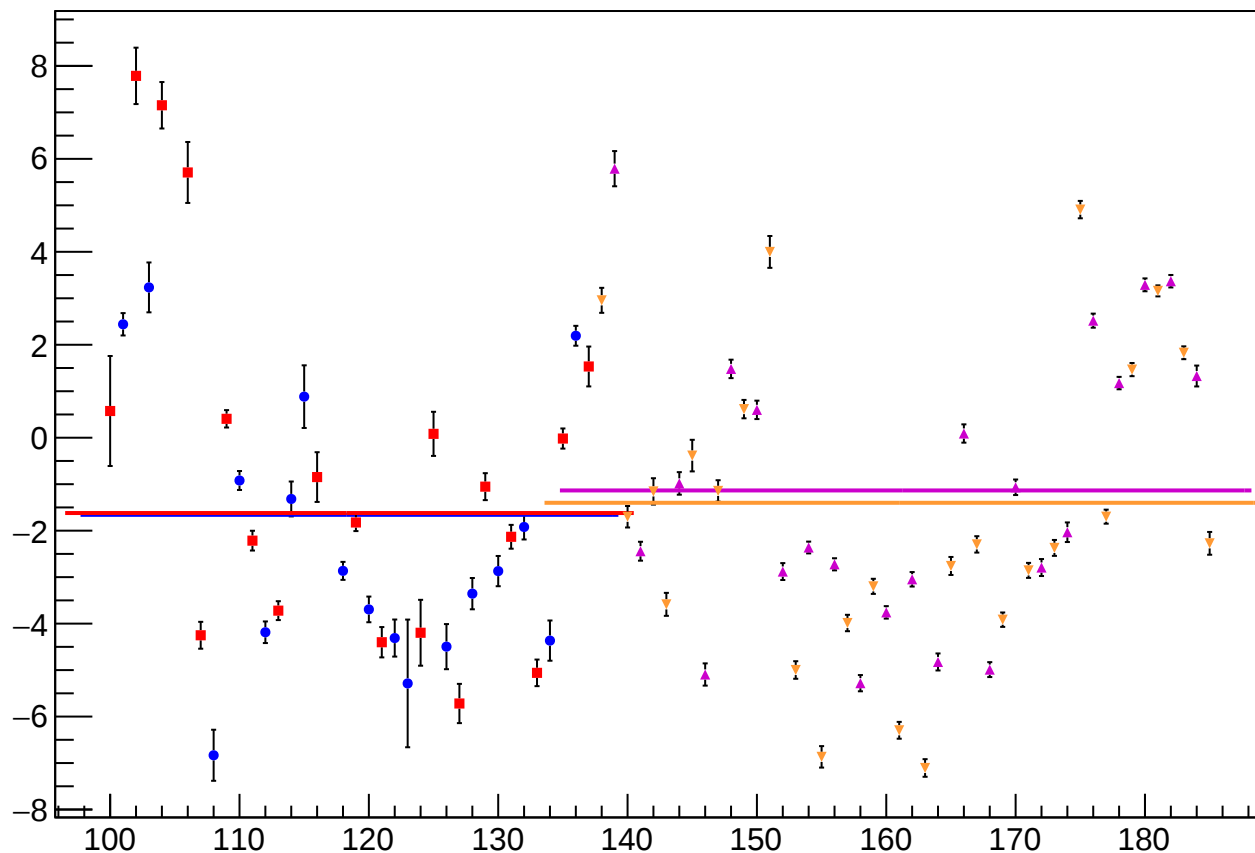
Right: -2.579 ± 0.077 χ^2/NDF : 1260.6/35

In: 14.939 ± 0.037 χ^2/NDF : 65904.0/39

Out: 15.768 ± 0.038 χ^2/NDF : 113674.5/43

All: 15.347 ± 0.026 χ^2/NDF : 179827.0/83

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.659 ± 0.073 χ^2/NDF : 1190.9/16

Left Out: -1.400 ± 0.037 χ^2/NDF : 7636.1/24

Right Out: -1.620 ± 0.068 χ^2/NDF : 1448.8/18

Left In: -1.135 ± 0.035 χ^2/NDF : 6597.7/22

Left: -1.261 ± 0.025 χ^2/NDF : 14260.9/47

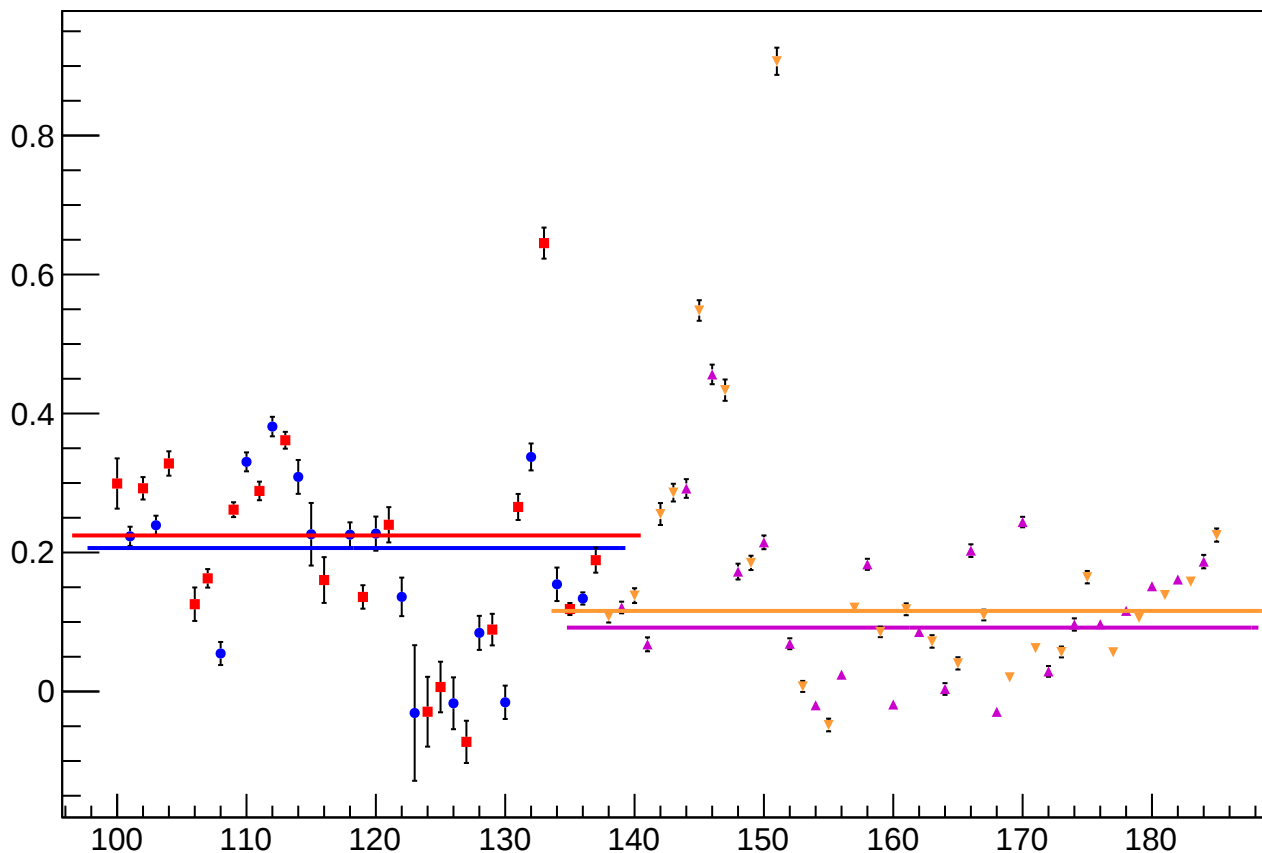
Right: -1.638 ± 0.050 χ^2/NDF : 2639.8/35

In: -1.233 ± 0.032 χ^2/NDF : 7830.2/39

Out: -1.450 ± 0.032 χ^2/NDF : 9093.0/43

All: -1.339 ± 0.023 χ^2/NDF : 16946.2/83

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.206 $\pm$ 0.004 χ^2 /NDF: 625.2/16

Left Out: 0.116 $\pm$ 0.002 χ^2 /NDF:4462.7/24

Right Out: 0.225 $\pm$ 0.004 χ^2 /NDF: 995.0/18

Left In: 0.092 $\pm$ 0.002 χ^2 /NDF:3631.4/22

Left: 0.103 $\pm$ 0.001 χ^2 /NDF: 8206.8/47

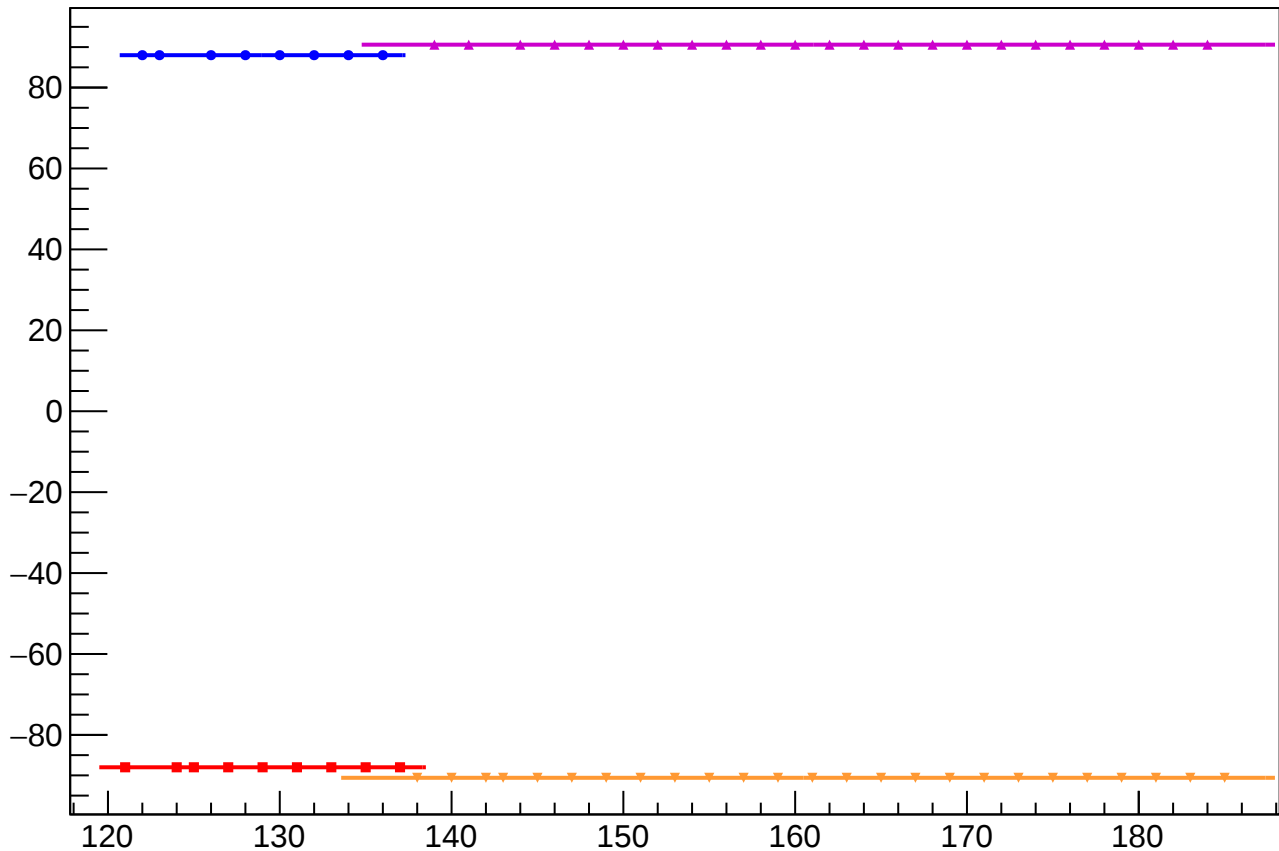
Right: 0.216 $\pm$ 0.003 χ^2 /NDF: 1630.1/35

In: 0.105 $\pm$ 0.001 χ^2 /NDF:4888.4/39

Out: 0.133 $\pm$ 0.002 χ^2 /NDF:6132.8/43

All: 0.118 $\pm$ 0.001 χ^2 /NDF: 11194.5/83

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF : 922500.3/7

Left Out: -90.599+/-0.000 χ^2/NDF : 6416910.1/24

Right Out: -88.001+/-0.000 χ^2/NDF : 211440.0/8

Left In: 90.599+/-0.000 χ^2/NDF : 5932436.0/22

Left: -2.387+/-0.000 χ^2/NDF : 30513433888805394

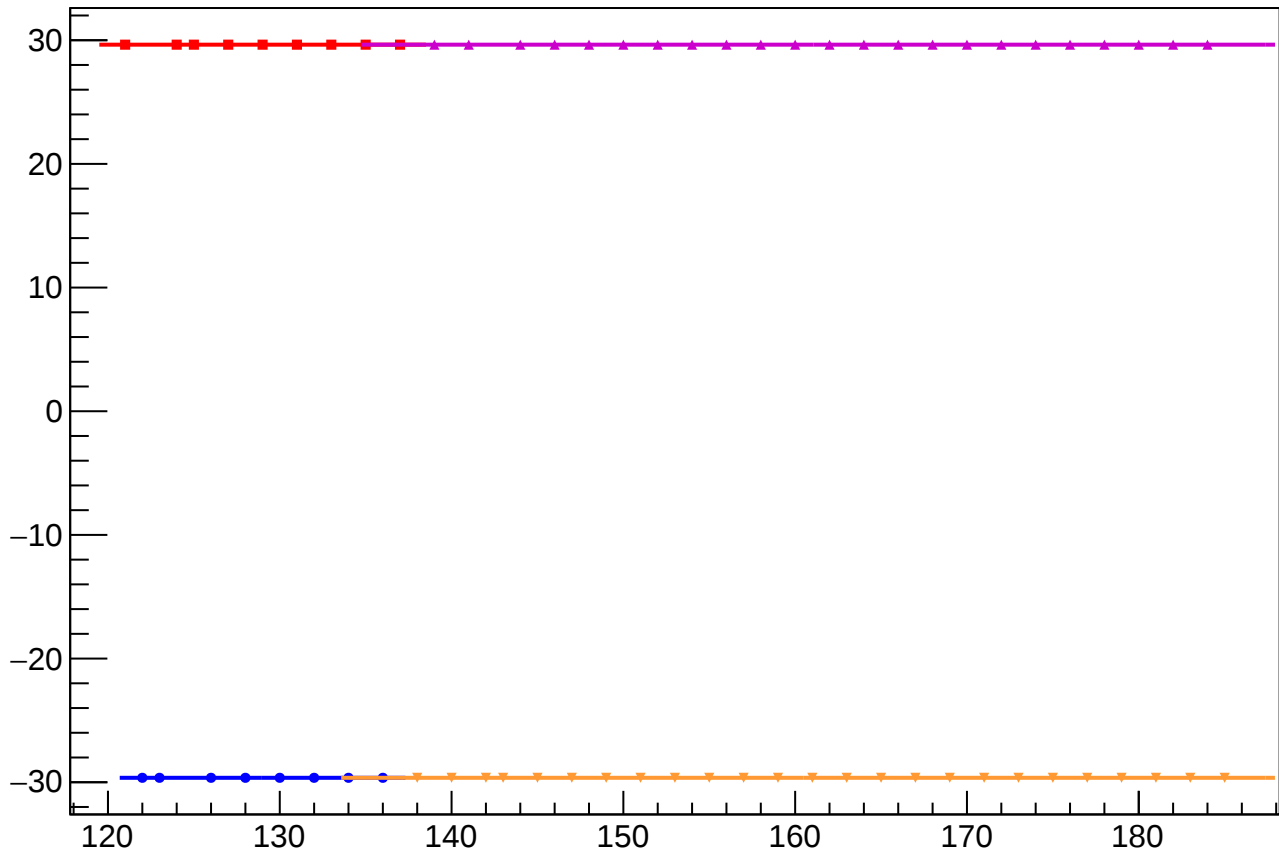
Right: 2.951+/-0.000 χ^2/NDF : 50744315280449915

In: 90.190+/-0.000 χ^2/NDF : 192821948756065979

Out: -90.229+/-0.000 χ^2/NDF : 1835763834411753

All: -1.587+/-0.000 χ^2/NDF : 3560375550855

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641 $\pm$ 0.000 χ^2 /NDF: 433709.4/7

Left Out: -29.641 $\pm$ 0.000 χ^2 /NDF: 541007.1/24

Right Out: 29.641 $\pm$ 0.000 χ^2 /NDF: 61505.9/8

Left In: 29.641 $\pm$ 0.000 χ^2 /NDF: 511825.6/22

Left: -0.781 $\pm$ 0.000 χ^2 /NDF: 32660169426617147

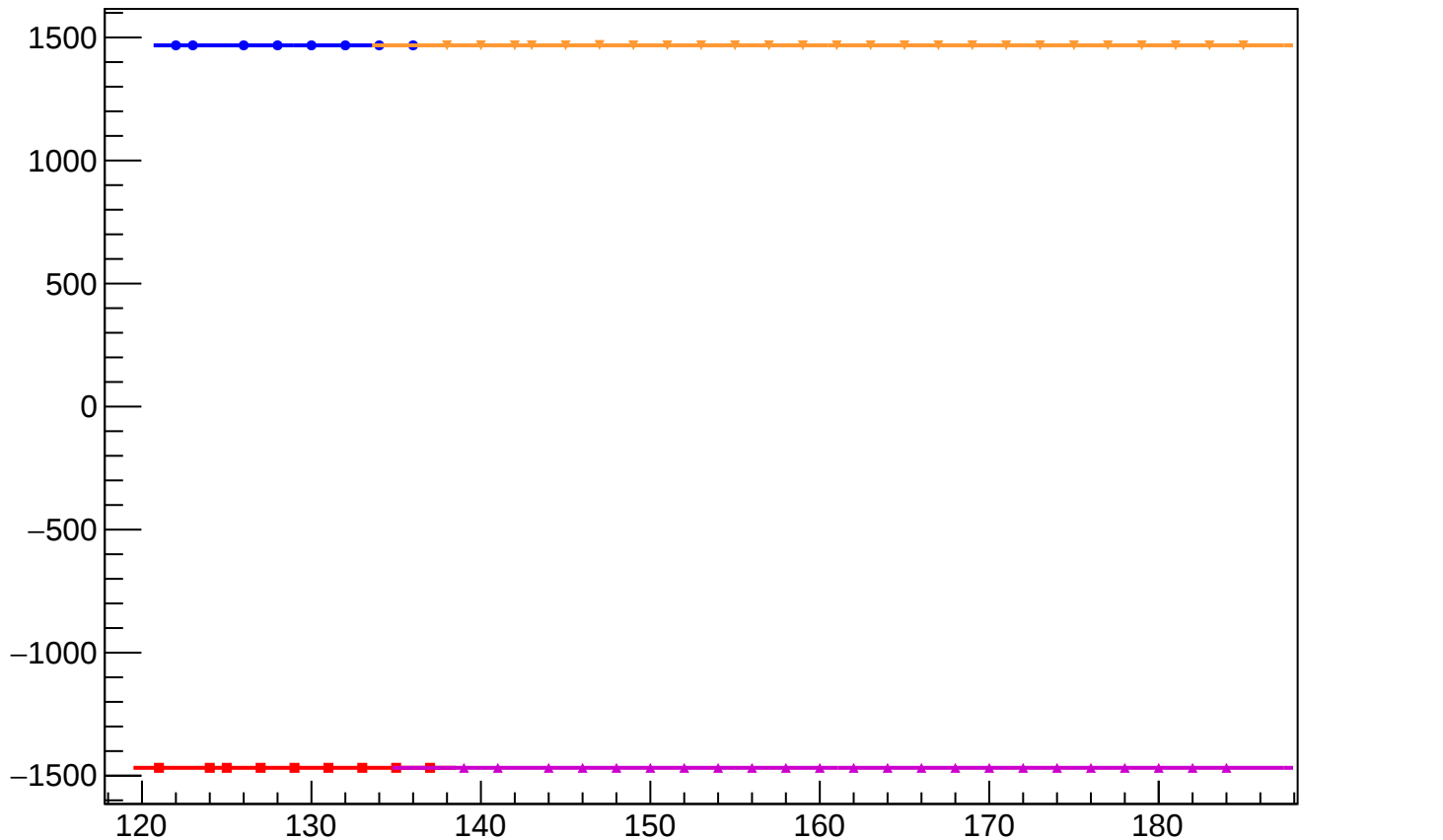
Right: -0.994 $\pm$ 0.000 χ^2 /NDF: 5756945466469310

In: 20.294 $\pm$ 0.000 χ^2 /NDF: 100349839707915681

Out: -21.199 $\pm$ 0.000 χ^2 /NDF: 9553819350610209

All: -0.813 $\pm$ 0.000 χ^2 /NDF: 3841736835116

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000

χ^2/NDF : 426876894.9/7

Left: 38.701+/-0.000 χ^2/NDF : 8011352262246883

Right: 49.231+/-0.000 χ^2/NDF : 1412065927358356

Left Out: 1468.048+/-0.000

χ^2/NDF : 127958629575979957173840213180416.0/24

In: -1005.066+/-0.000 χ^2/NDF : 246140911797744

Right Out: -1467.979+/-0.000

χ^2/NDF : 100967733.5/8

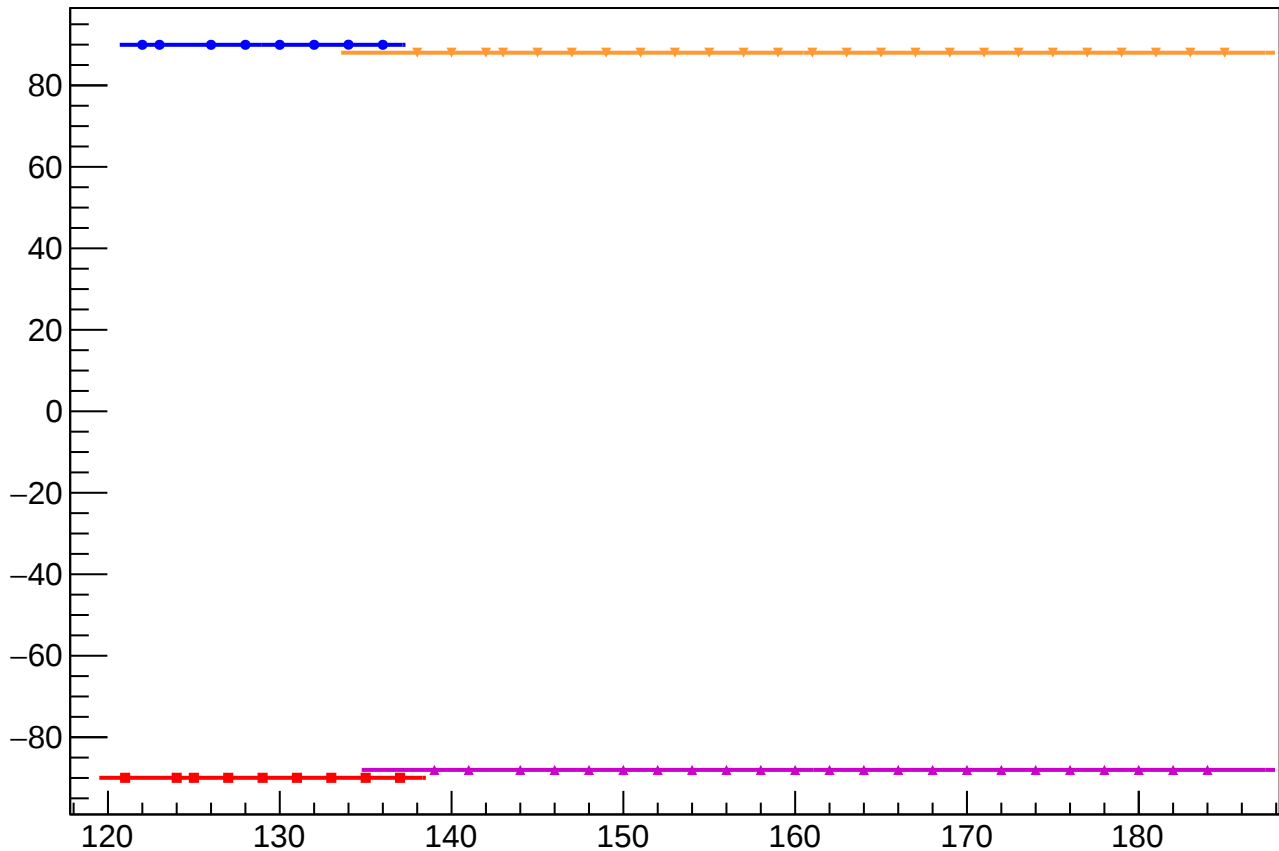
Out: 1049.934+/-0.000 χ^2/NDF : 234347418172654

Left In: -1467.994+/-0.000

χ^2/NDF : 145848702340275035310993178624.0/22

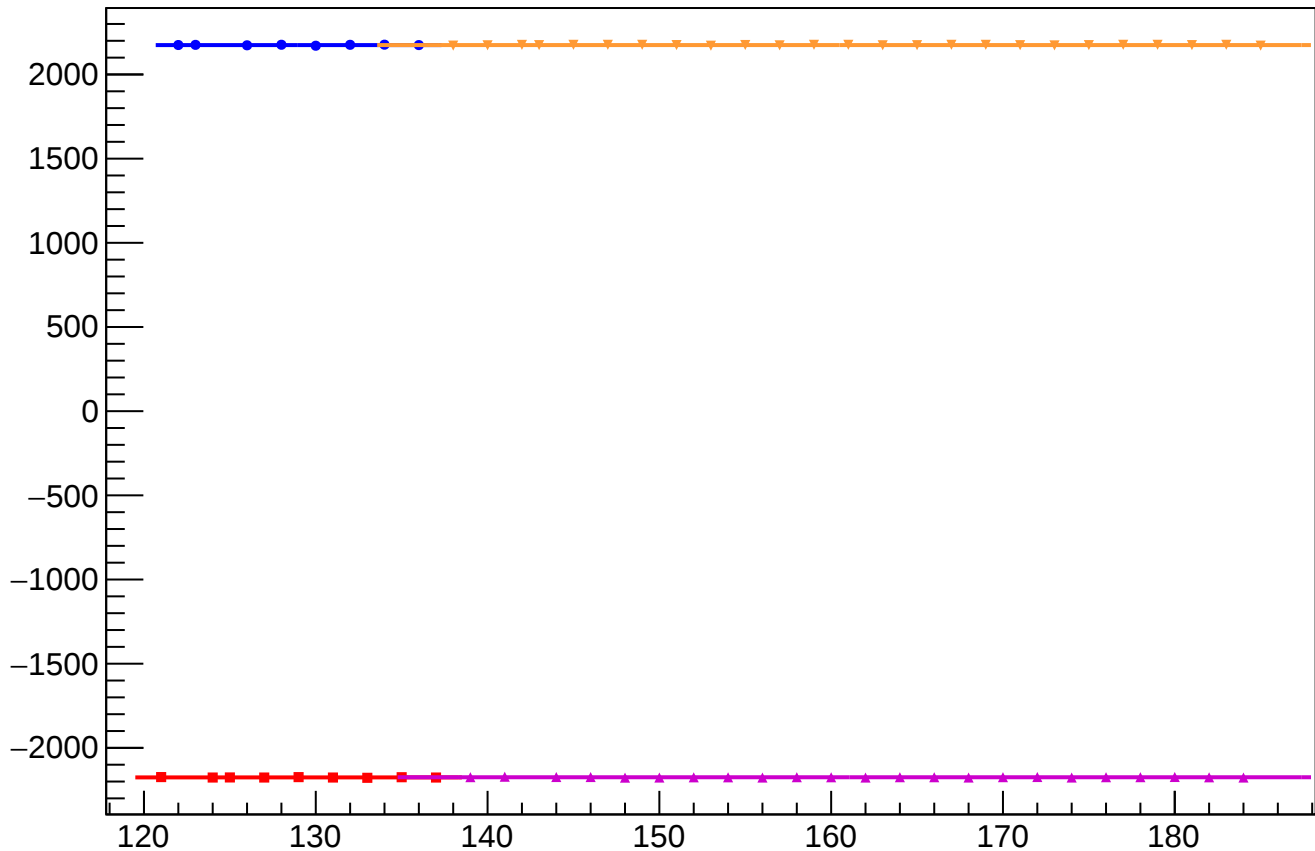
All: 40.279+/-0.000 χ^2/NDF : 9423480026993

Phi_FG_mean vs Slug, Sign Corrected



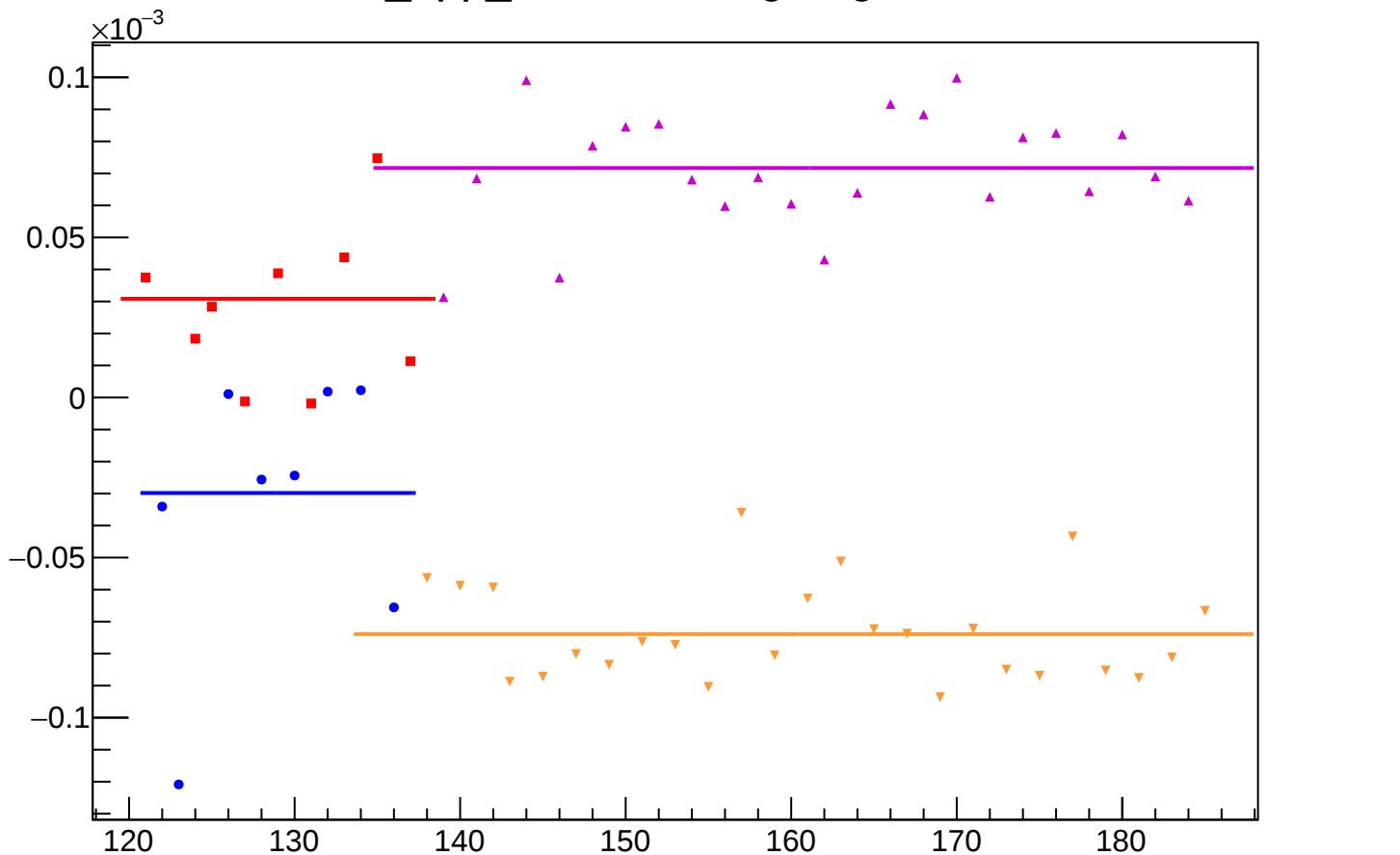
Right In: 89.961+/-0.000	χ^2/NDF : 21516176742595877338351665152.0/7	Left: 2.319+/-0.000	χ^2/NDF : 288012340932029370
Left Out: 88.021+/-0.000	χ^2/NDF : 5593768.5/24	Right: 3.018+/-0.000	χ^2/NDF : 53029447501590671
Right Out: -89.959+/-0.000	χ^2/NDF : 437824.1/8	In: -59.957+/-0.000	χ^2/NDF : 90454897479750275
Left In: -88.021+/-0.000	χ^2/NDF : 6084099.2/22	Out: 62.675+/-0.000	χ^2/NDF : 86115719697669178
		All: 2.424+/-0.000	χ^2/NDF : 34104451441826

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.508+/-0.000 χ^2/NDF : 1288672467722248839202216695824384.0/7
 Left Out: 2174.621+/-0.000 χ^2/NDF : 5107988213770634466462356698300416.0/24
 Right Out: -2175.437+/-0.000 χ^2/NDF : 609897805551545828750017702133760.0/8
 Left In: -2174.539+/-0.000 χ^2/NDF : 3400742562425168967494665391570944.0/22
 All: 59.599+/-0.000 χ^2/NDF : 2067878159843

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000

χ^2/NDF : 248631969637472403456000.0/7

Left: -0.000+/-0.000

χ^2/NDF : 20709469056659471

Right: -0.000+/-0.000

χ^2/NDF : 1046788668707328

Left Out: -0.000+/-0.000

χ^2/NDF : 451458968579152191422464.0/24

In: 0.000+/-0.000

χ^2/NDF : 3752793172434458700

Right Out: 0.000+/-0.000

χ^2/NDF : 195498158247260480077824.0/8

Out: -0.000+/-0.000

χ^2/NDF : 36287010727937020

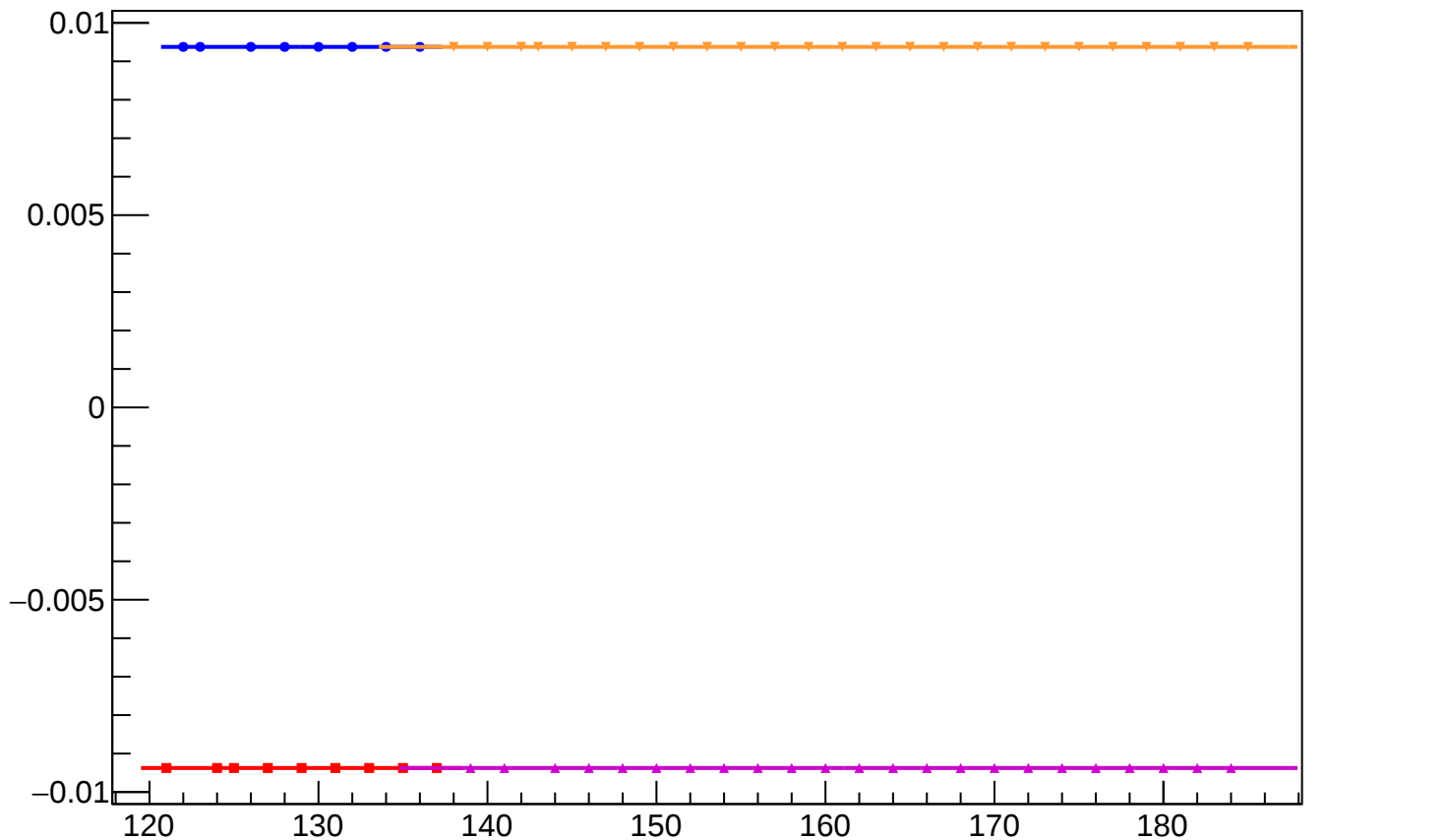
Left In: 0.000+/-0.000

χ^2/NDF : 562166279020739416817664.0/22

All: -0.000+/-0.000

χ^2/NDF : 2175977951000

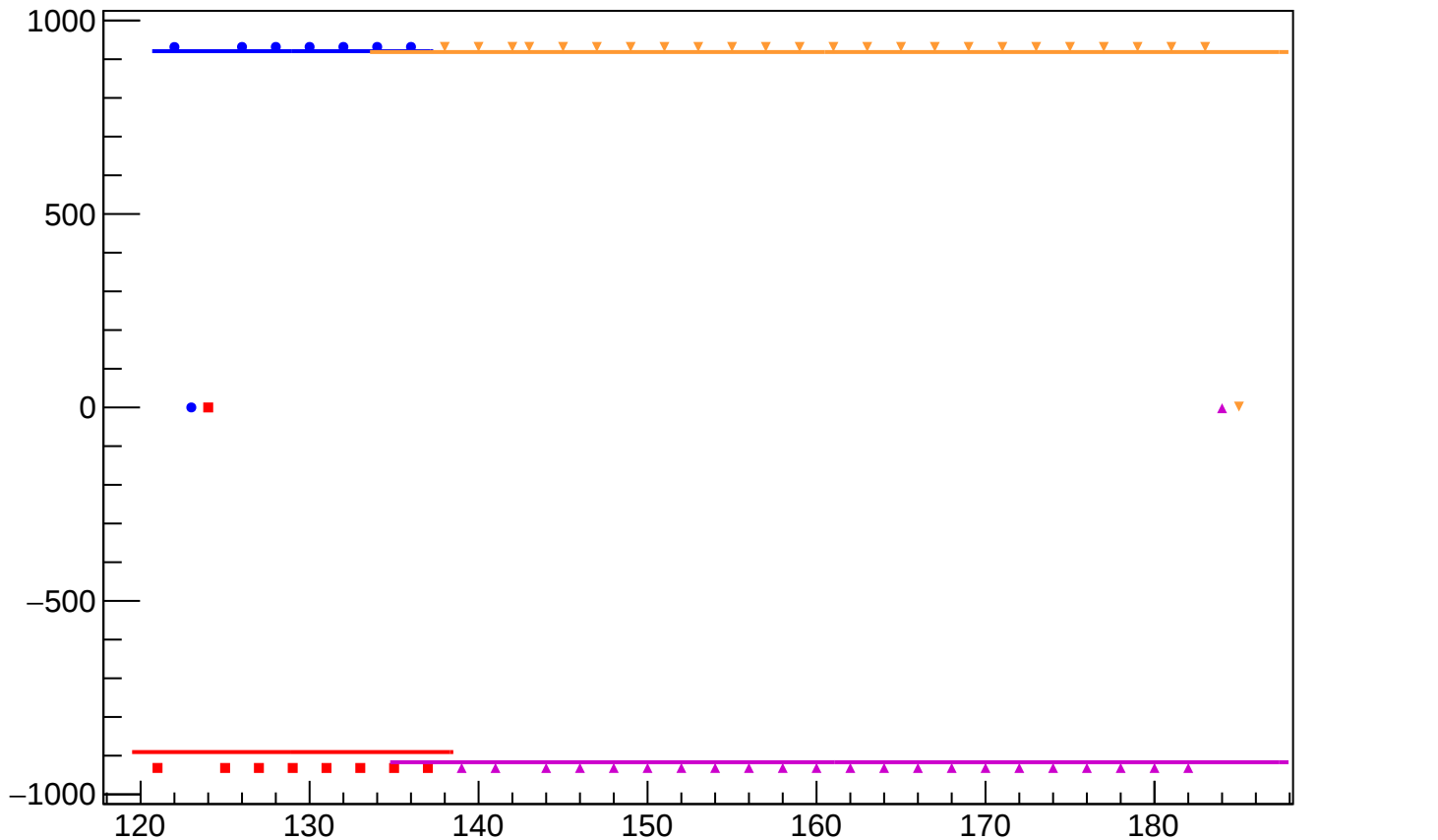
MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7
Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24
Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8
Left In: -0.009+/-0.000 χ^2/NDF : 0.1/22

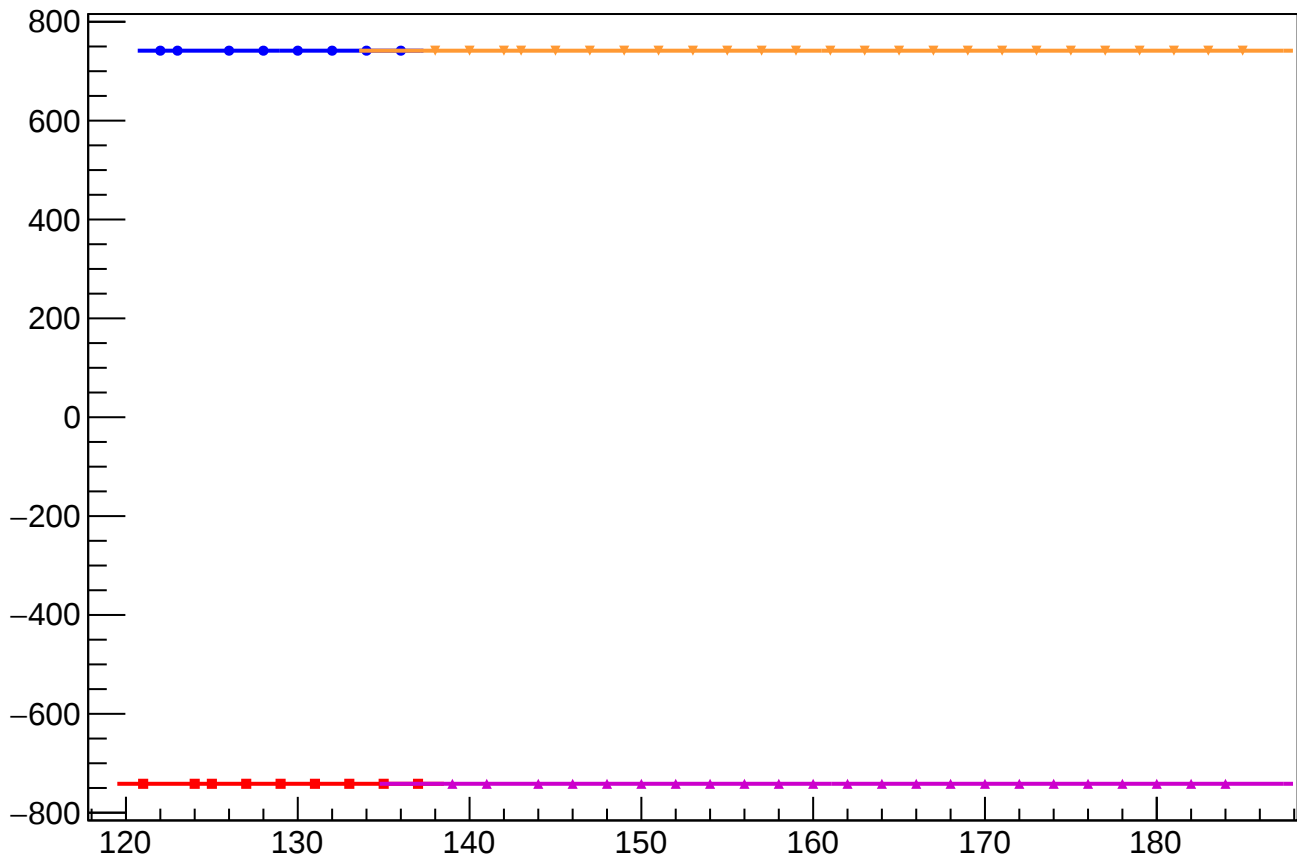
Left: 0.000+/-0.000 χ^2/NDF : 326726215977821647
Right: 0.000+/-0.000 χ^2/NDF : 57591403868140194
In: -0.006+/-0.000 χ^2/NDF : 100388099563953231
Out: 0.007+/-0.000 χ^2/NDF : 955746188510779748
All: 0.000+/-0.000 χ^2/NDF : 38432015539305

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



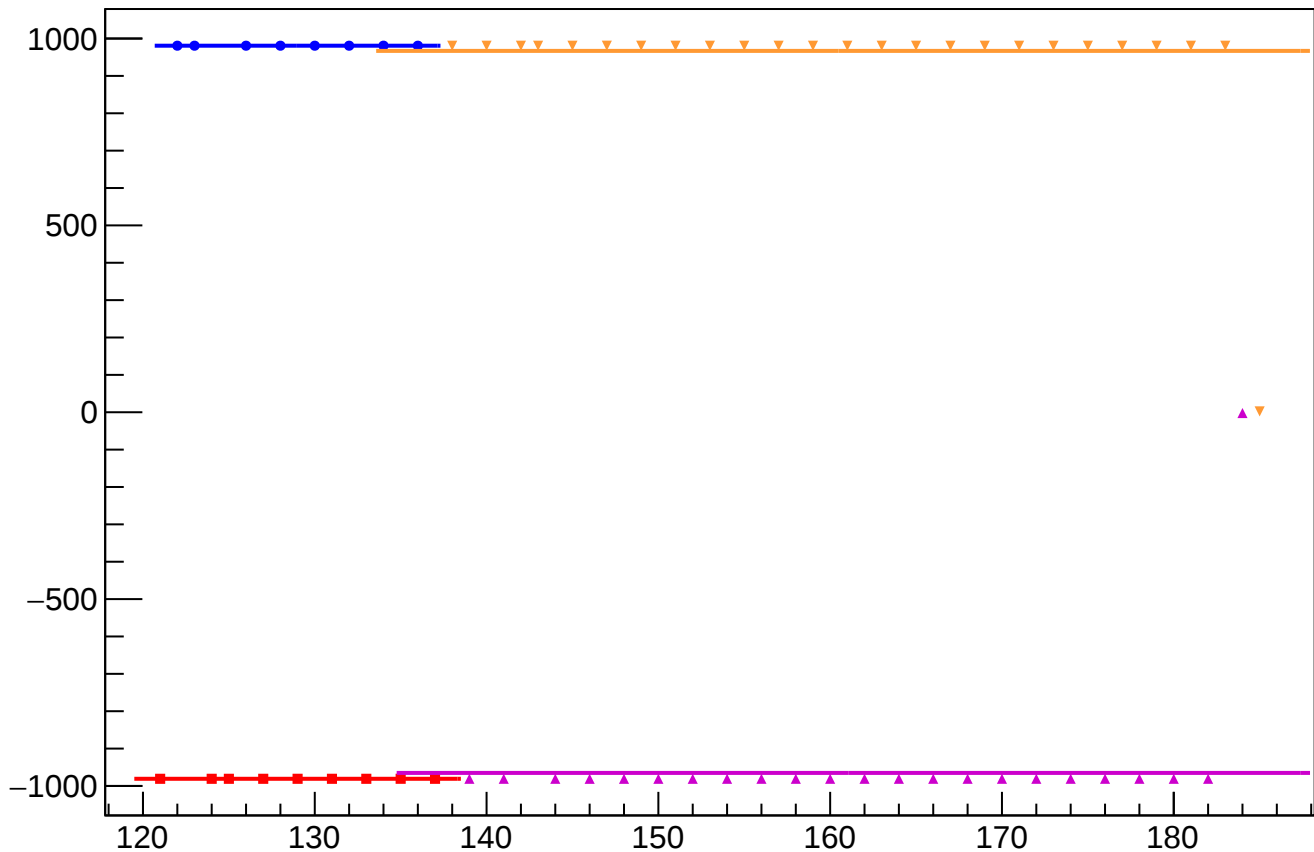
Right In: 920.801 ± 0.000 $\chi^2/\text{NDF}: 3431767977579138653856652958525030400.0/7$
 Left Out: 918.638 ± 0.000 $\chi^2/\text{NDF}: 23003325279230039893351263571466518528.0/24$
 Right Out: -890.665 ± 0.000 $\chi^2/\text{NDF}: 11618305184314211867640193192732655616.0/8$
 Left In: -916.890 ± 0.000 $\chi^2/\text{NDF}: 2466789491747623125028694438888133632.0/22$
 All: 28.109 ± 0.000 $\chi^2/\text{NDF}: 3731644696333$

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 19.535 +/- 0.000 χ^2/NDF : 20439887376558677
 Right: 24.868 +/- 0.000 χ^2/NDF : 3603050256998220
 In: -507.675 +/- 0.000 χ^2/NDF : 6280372588053630
 Out: 530.316 +/- 0.000 χ^2/NDF : 5979248024356279
 All: 20.334 +/- 0.000 χ^2/NDF : 2404309624595

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825+/-0.000

χ^2/NDF : 159096869175585744562040078336.0/7

Left Out: 966.929+/-0.000

χ^2/NDF : 25485386701182920480425971282325012480.0/24

Right Out: -980.818+/-0.000

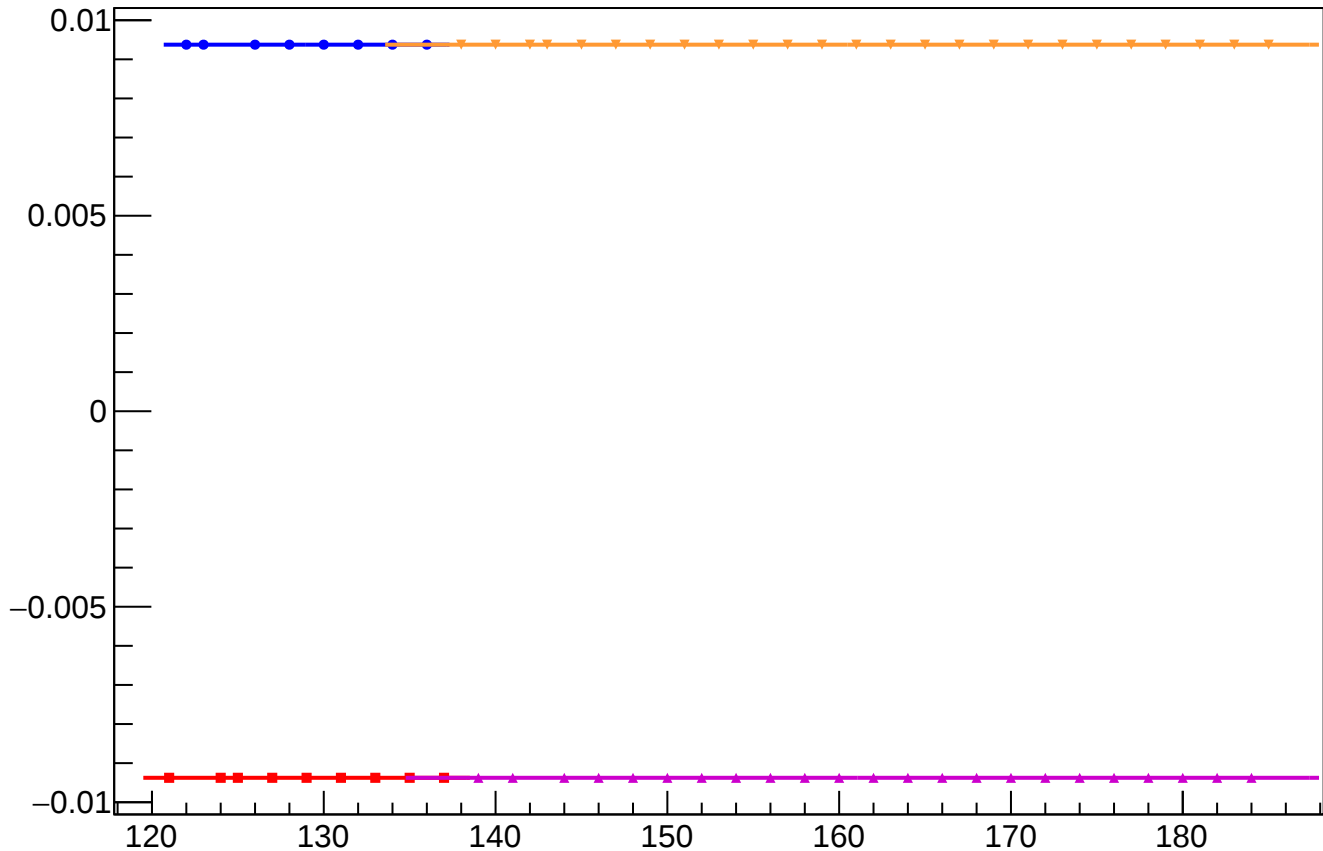
χ^2/NDF : 143449983287257544108372131840.0/8

Left In: -965.102+/-0.000

χ^2/NDF : 27330319430012441419356351914146004992.0/22

Left: 26.362+/-0.000 χ^2/NDF : 35218577500206863.0/7
 Right: 32.897+/-0.000 χ^2/NDF : 6303695965164756.0/7
 In: -658.279+/-0.000 χ^2/NDF : 1108597428402988.0/8
 Out: 689.554+/-0.000 χ^2/NDF : 1056832934253969.0/8
 All: 27.342+/-0.000 χ^2/NDF : 4152251161704.0/22

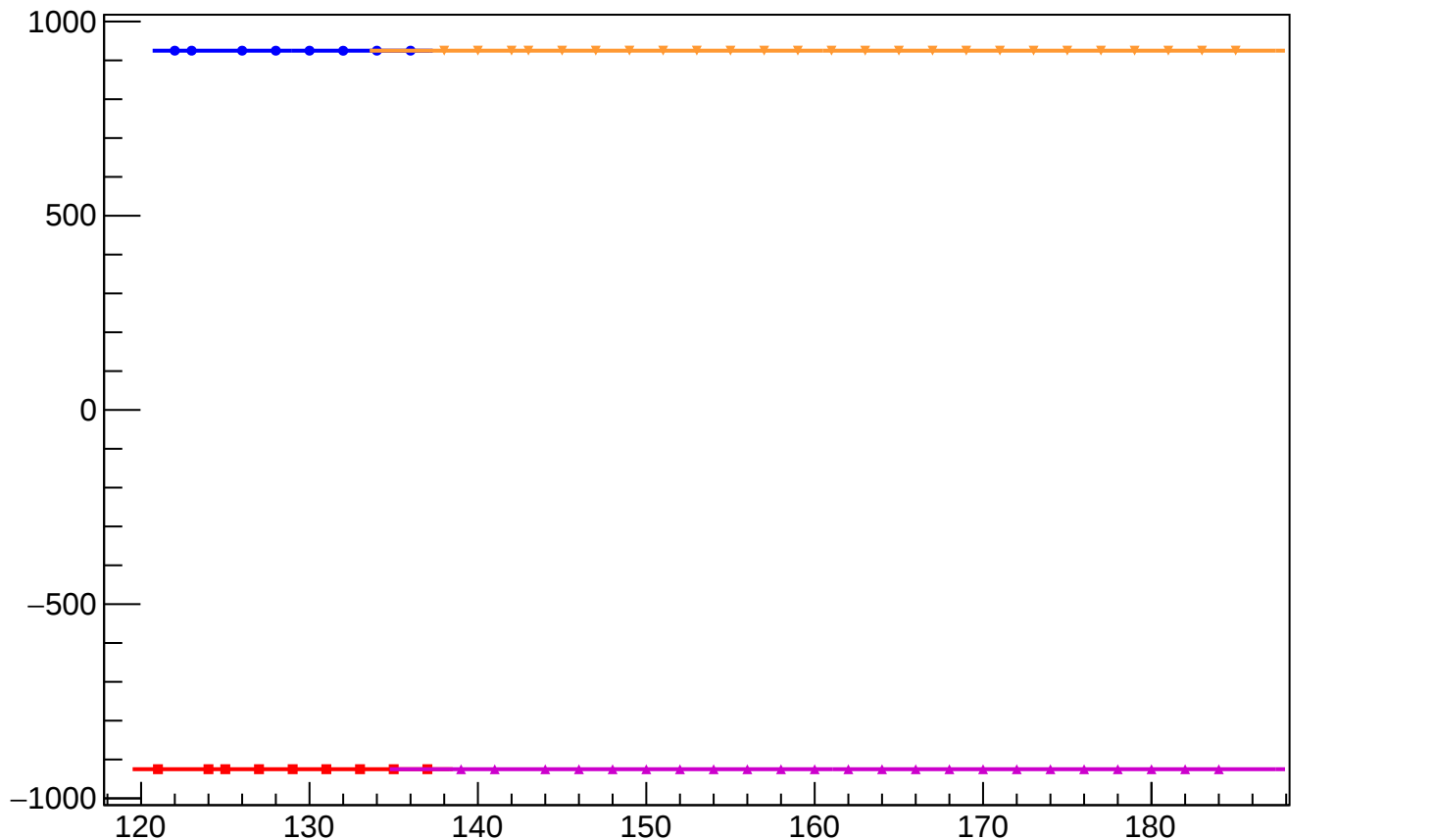
MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7
 Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24
 Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8
 Left In: -0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

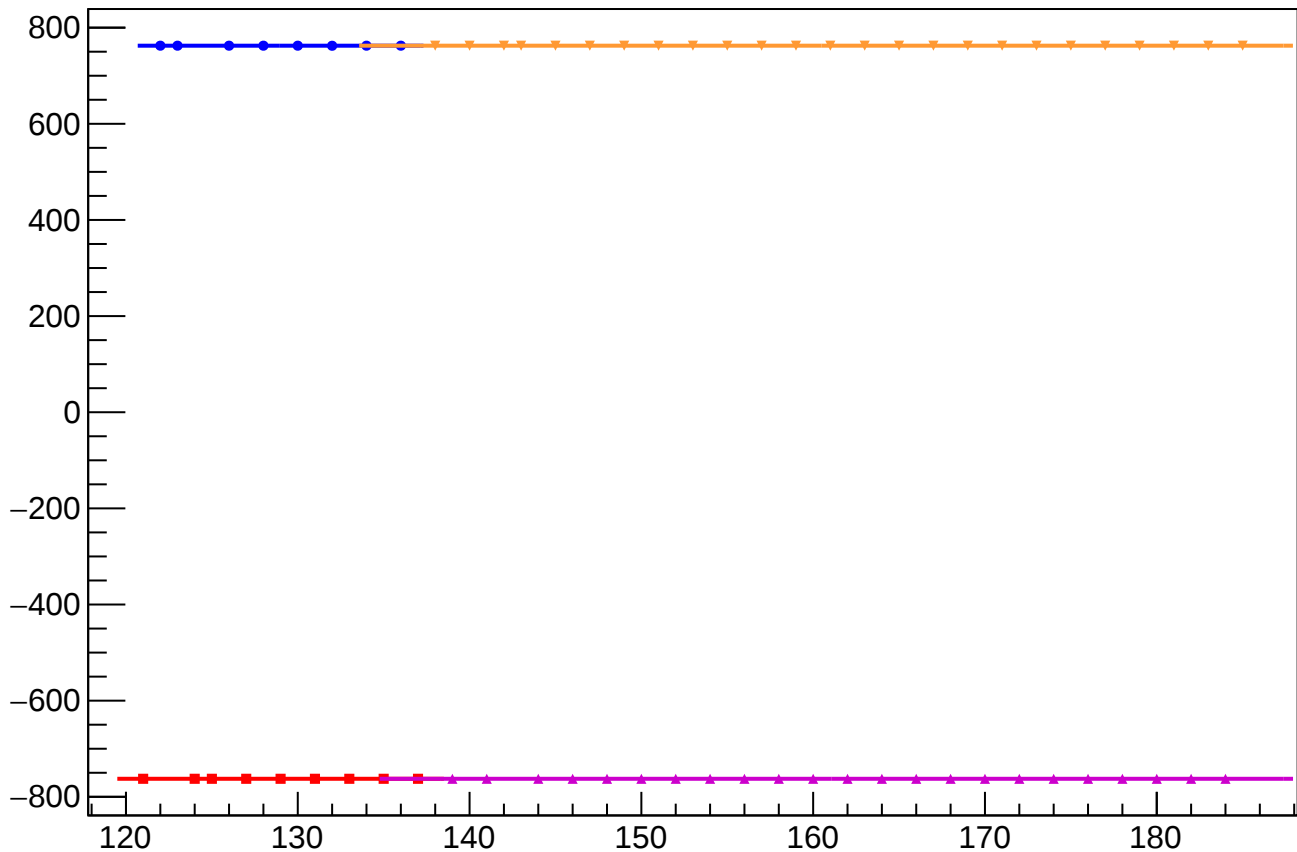
Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 326726215977821647
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 57591403868140194
 In: -0.006 $\pm$ 0.000 χ^2 /NDF:100388099563953231
 Out: 0.007 $\pm$ 0.000 χ^2 /NDF:955746188510779748
 All: 0.000 $\pm$ 0.000 χ^2 /NDF: 38432015539305

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



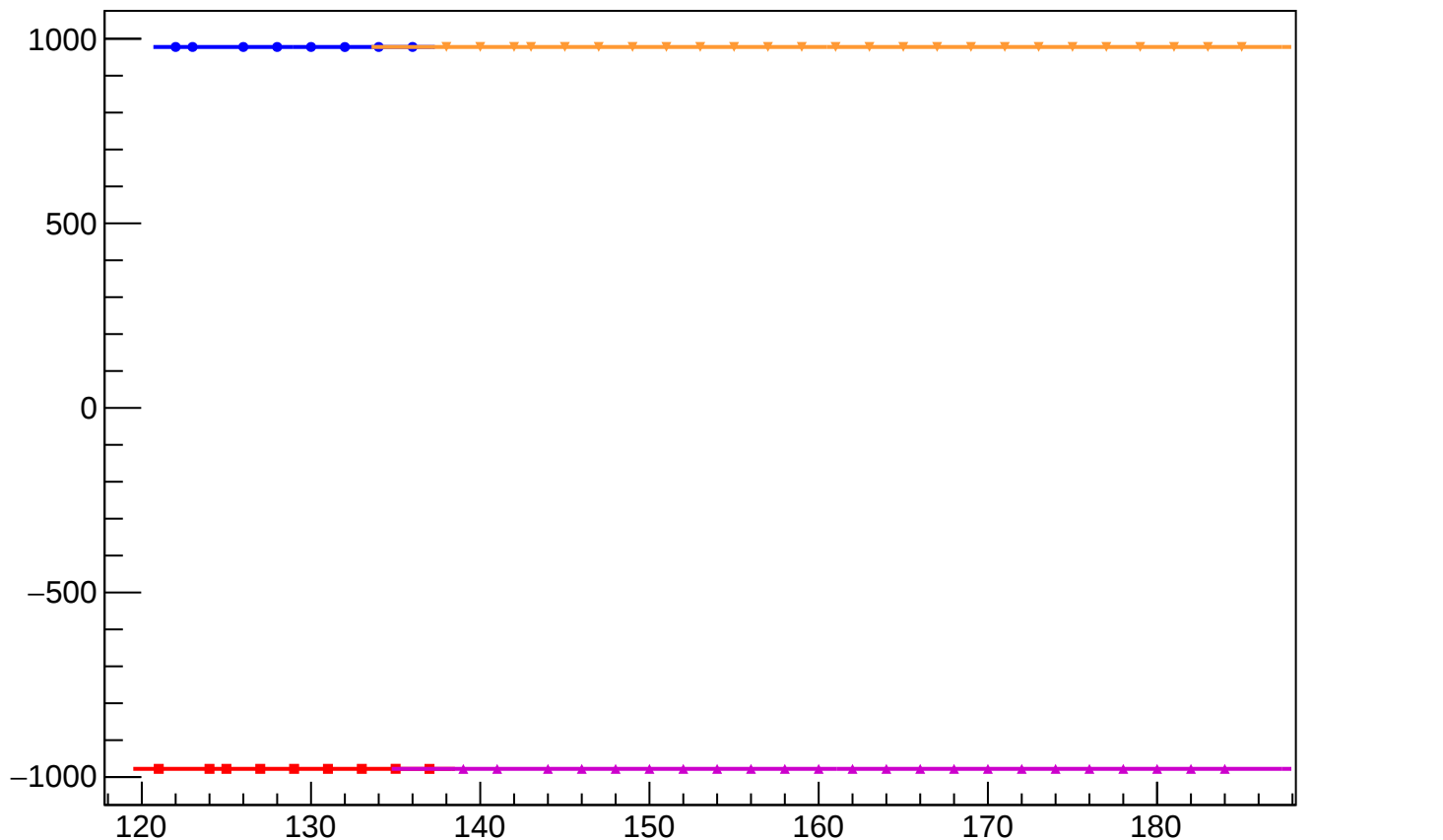
Right In: 924.939 $\pm$ 0.000 χ^2 /NDF: 1401388477255469733232112566272.0/7
 Left Out: 924.983 $\pm$ 0.000 χ^2 /NDF: 1037610446878913351306755178496.0/24
 Right Out: -924.957 $\pm$ 0.000 χ^2 /NDF: 71753961121998015100639772672.0/8
 Left In: -924.983 $\pm$ 0.000 χ^2 /NDF: 888539224321534960792212865024.0/22
 All: 25.364 $\pm$ 0.000 χ^2 /NDF: 3741217824145

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



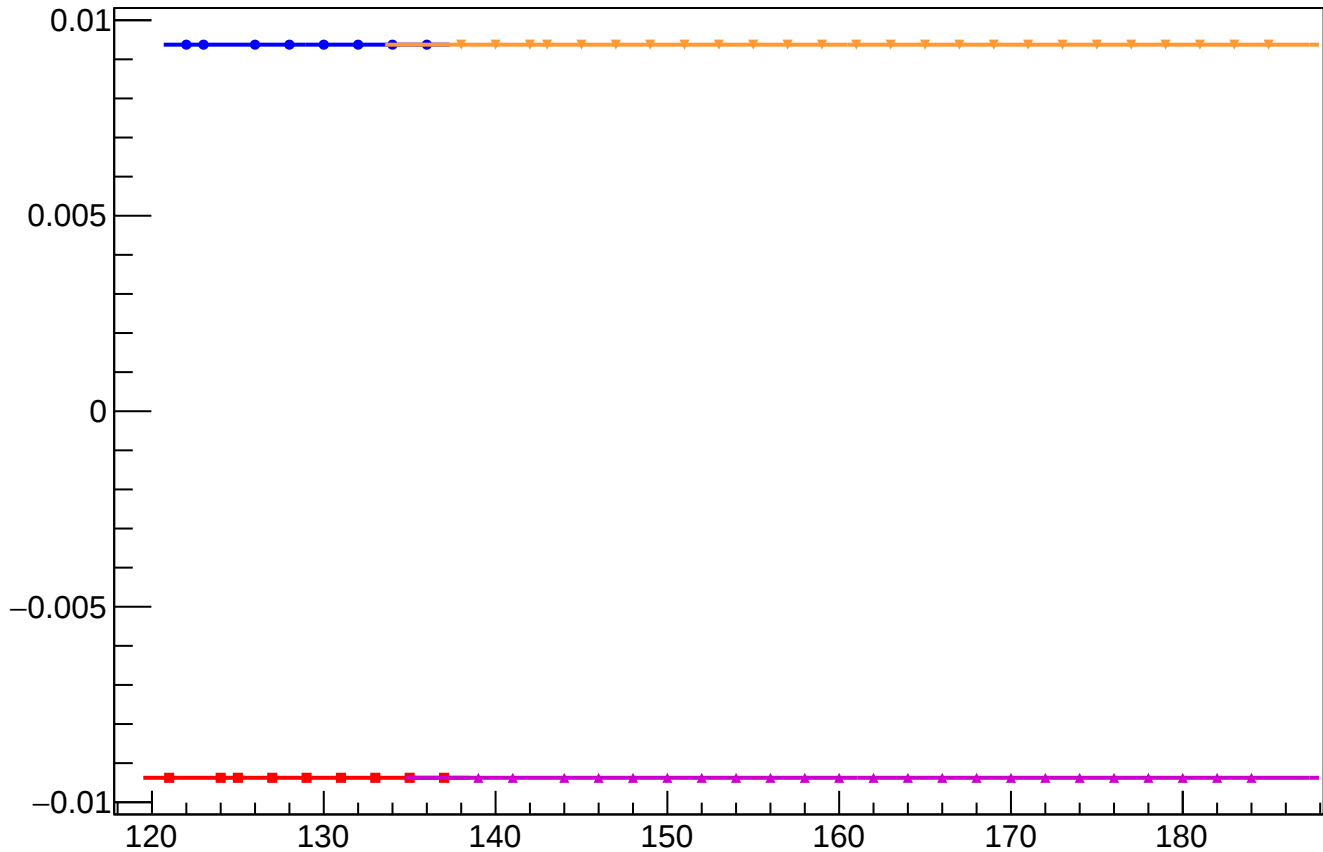
Right In: 762.483+/-0.000	χ^2/NDF : 783456713793632421311688998912.0/7	Left: 20.087+/-0.000	χ^2/NDF : 21614363350572672
Left Out: 762.518+/-0.000	χ^2/NDF : 731518897977576323652094263296.0/24	Right: 25.562+/-0.000	χ^2/NDF : 3809658504510128
Right Out: -762.501+/-0.000	χ^2/NDF : 468364983766916667715616768.0/8	In: -522.065+/-0.000	χ^2/NDF : 6640806121470915
Left In: -762.519+/-0.000	χ^2/NDF : 629058355419214408155297480704.0/22	Out: 545.344+/-0.000	χ^2/NDF : 6322529350758645
		All: 20.908+/-0.000	χ^2/NDF : 2542418901741

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000 χ^2/NDF : 1738037233029946574744730992640.0/7
 Left Out: 977.738+/-0.000 χ^2/NDF : 1154108514650044945571153707008.0/24
 Right Out: -977.737+/-0.000 χ^2/NDF : 771953144544759396277170470912.0/8
 Left In: -977.735+/-0.000 χ^2/NDF : 976503887937607318263199432704.0/22
 All: 26.813+/-0.000 χ^2/NDF : 4180174430902

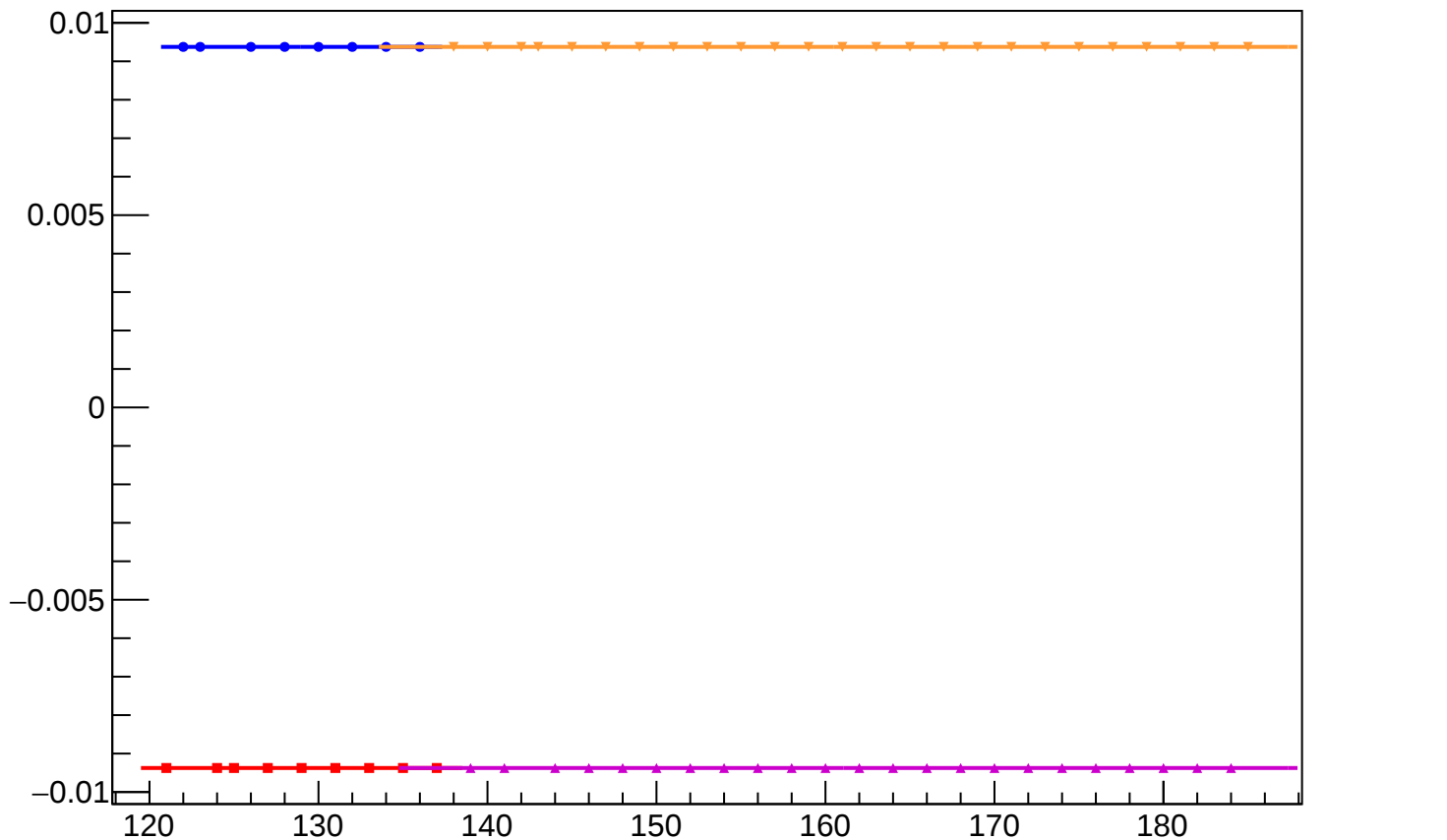
hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/7
 Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/24
 Right Out: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8
 Left In: -0.009 $\pm$ 0.000 χ^2/NDF : 0.1/22

Left: 0.000 $\pm$ 0.000 χ^2/NDF : 326726215977821647
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 57591403868140194
 In: -0.006 $\pm$ 0.000 χ^2/NDF : 100388099563953231
 Out: 0.007 $\pm$ 0.000 χ^2/NDF : 955746188510779748
 All: 0.000 $\pm$ 0.000 χ^2/NDF : 38432015539305

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/24

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: -0.009 $\pm$ 0.000 χ^2 /NDF:0.1/22

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 326726215977821647

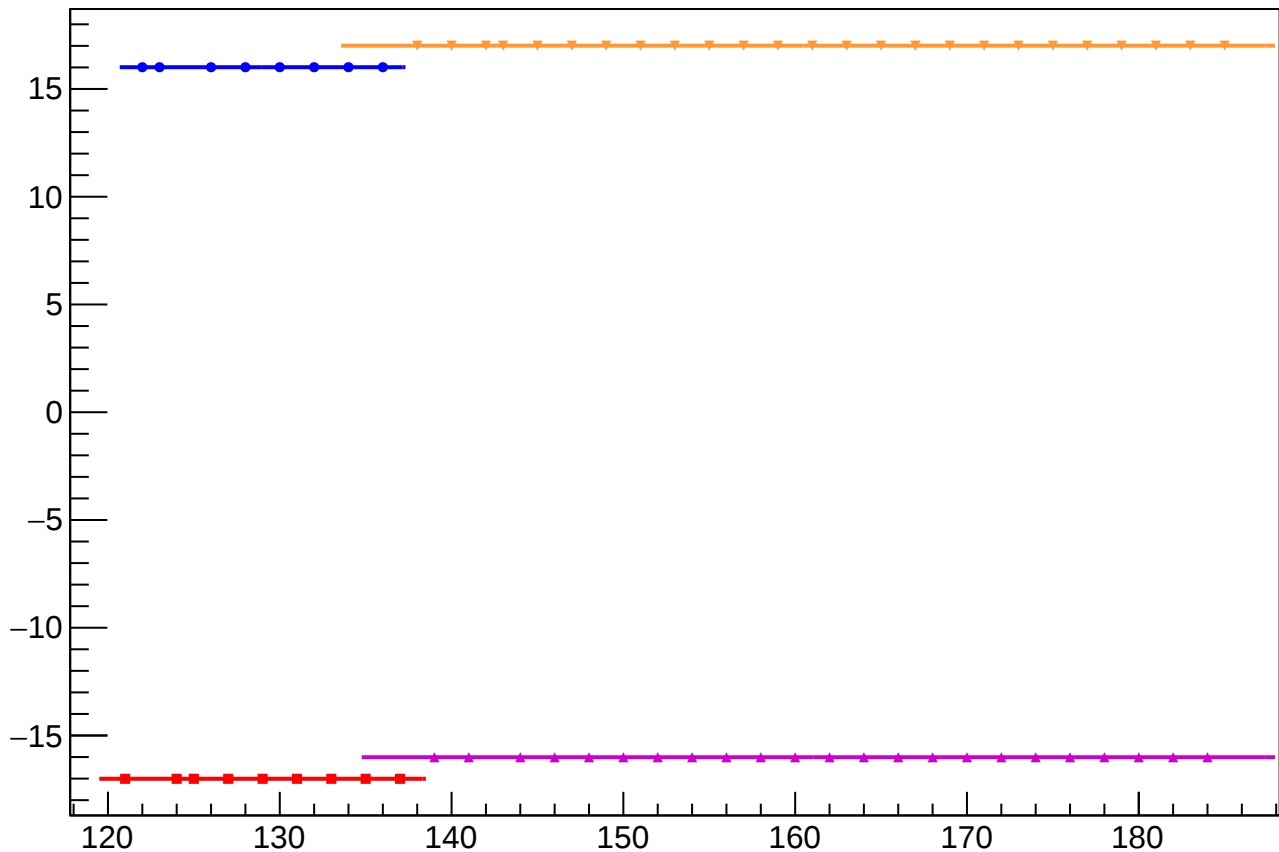
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 57591403868140194

In: -0.006 $\pm$ 0.000 χ^2 /NDF:100388099563953231

Out: 0.007 $\pm$ 0.000 χ^2 /NDF:955746188510779748

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 38432015539305

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009 $\pm$ 0.000 χ^2 /NDF: 27843.6/7

Left Out: 17.009 $\pm$ 0.000 χ^2 /NDF: 26272523093630240390381568.0/24

Right Out: -17.009 $\pm$ 0.000 χ^2 /NDF: 8315422616570068268482560.0/8

Left In: -16.009 $\pm$ 0.000 χ^2 /NDF: 127973174512756677672960.0/22

Left: 0.935 $\pm$ 0.000 χ^2 /NDF: 941578831373135540

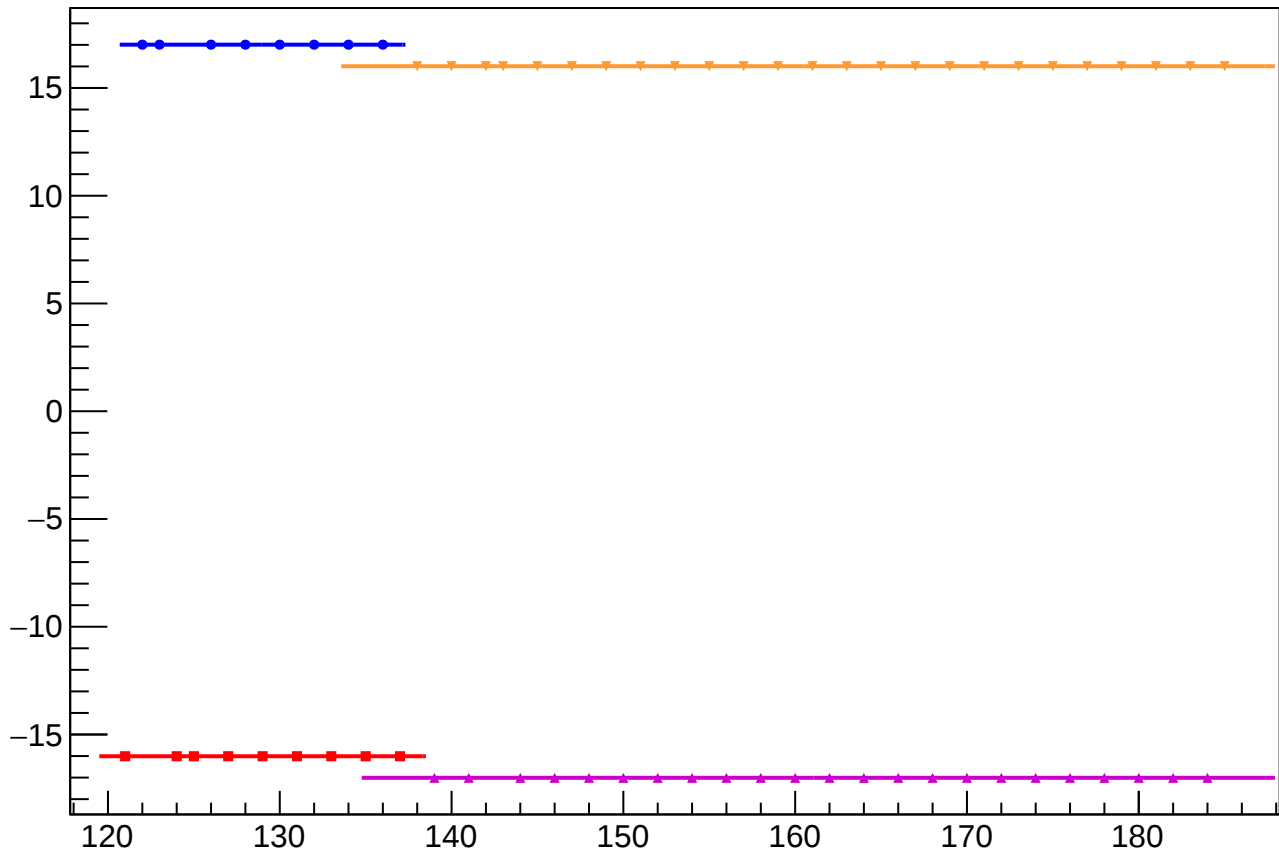
Right: -0.177 $\pm$ 0.000 χ^2 /NDF: 1672862198827261

In: -10.988 $\pm$ 0.000 χ^2 /NDF: 27056811290547119

Out: 12.075 $\pm$ 0.000 χ^2 /NDF: 29780533852496911

All: 0.767 $\pm$ 0.000 χ^2 /NDF: 11095095501603

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009 ± 0.000 $\chi^2/\text{NDF}: 82003.7/7$

Left Out: 16.009 ± 0.000 $\chi^2/\text{NDF}: 93918.6/24$

Right Out: -16.009 ± 0.000 $\chi^2/\text{NDF}: 18844.3/8$

Left In: -17.009 ± 0.000 $\chi^2/\text{NDF}: 115033472633445654986752.0/22$

Left: 0.038 ± 0.000 $\chi^2/\text{NDF}: 994057326059491679$

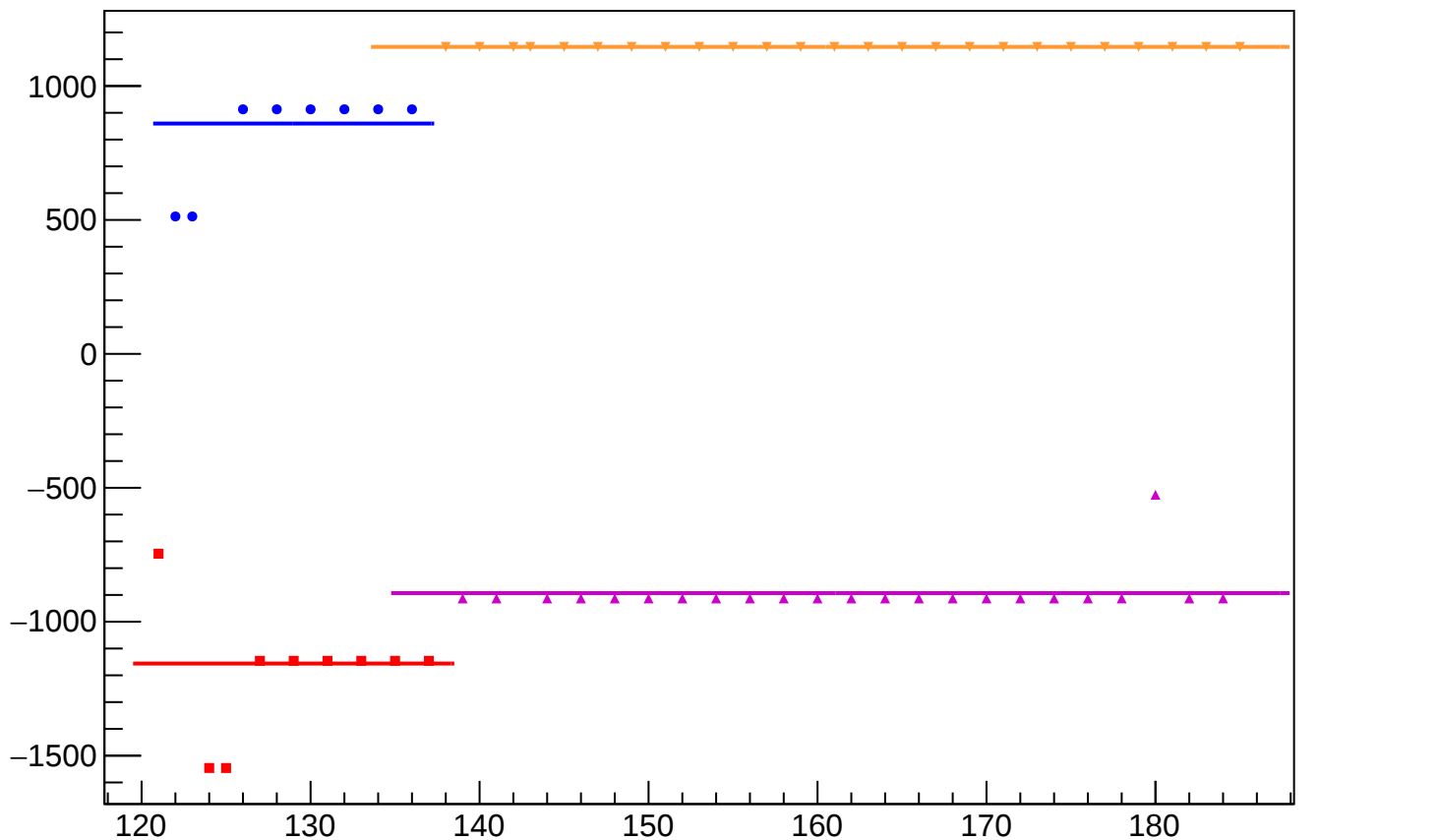
Right: 1.054 ± 0.000 $\chi^2/\text{NDF}: 17859791195497110$

In: -11.531 ± 0.000 $\chi^2/\text{NDF}: 32913567303769346$

Out: 11.400 ± 0.000 $\chi^2/\text{NDF}: 27820315353061526$

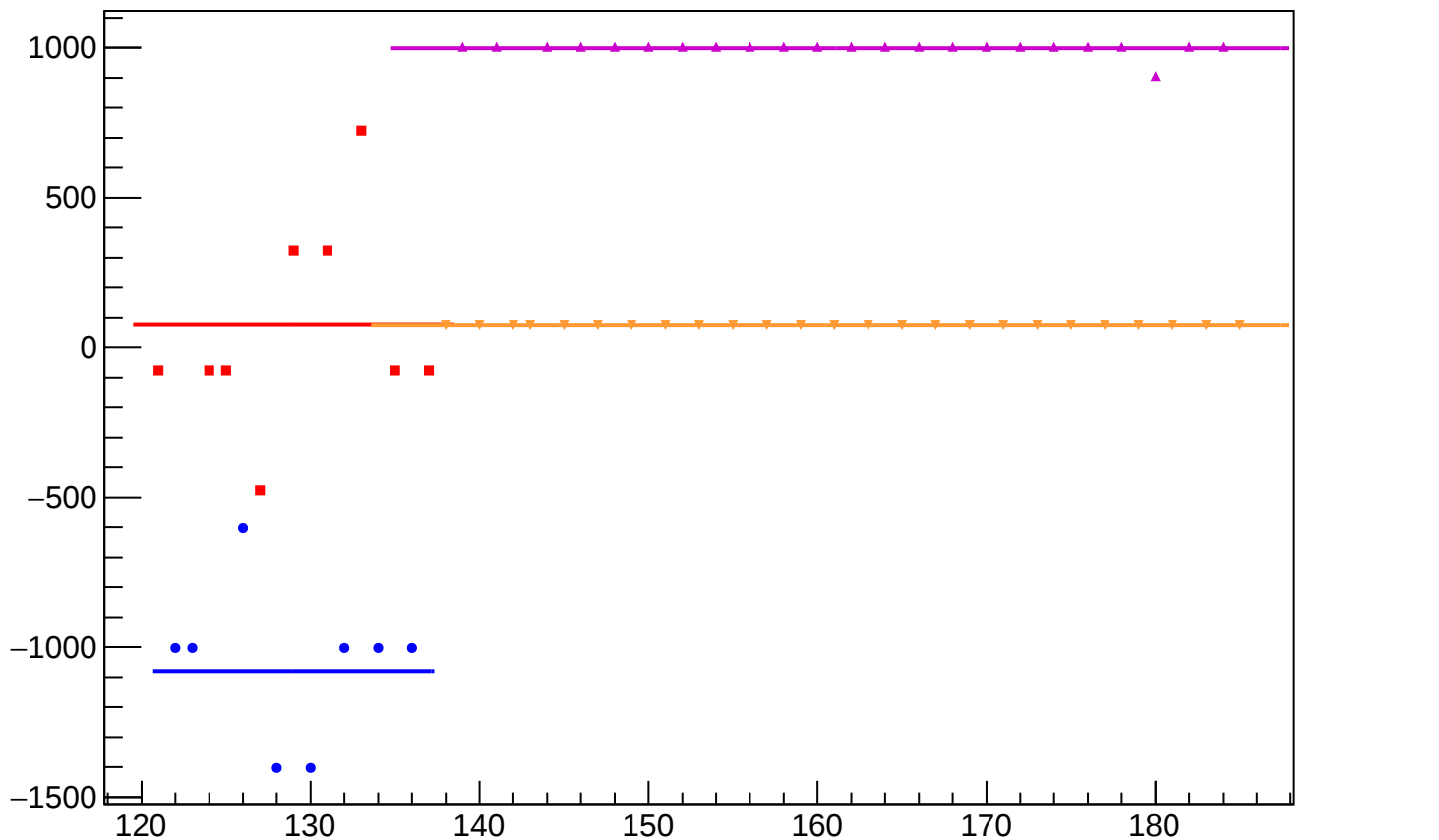
All: 0.193 ± 0.000 $\chi^2/\text{NDF}: 11732287667803$

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 153.307+/-0.000 χ^2/NDF : 3877514000578985
 Right In: 859.895+/-0.000 χ^2/NDF : 6244310211396691746388505873258381312.0/7
 Left Out: 1146.011+/-0.000 χ^2/NDF : 8040696071775755132884484096.0/24
 Right Out: -1156.104+/-0.000 χ^2/NDF : 13728364455898441296418095102599102464.0/8
 Left In: -893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22
 All: 113.190+/-0.000 χ^2/NDF : 460321048586

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1079.685+/-0.000

χ^2/NDF : 21205581541739378673536668219320827904.0/7

Left Out: 76.011+/-0.000

χ^2/NDF : 11004558033959164705213775872.0/24

Right Out: 77.935+/-0.000

χ^2/NDF : 39527049815762816873616890415412150272.0/8

Left In: 998.020+/-0.000

χ^2/NDF : 826231736084035689068445378231140352.0/22

All: 368.193+/-0.000 χ^2/NDF : 168029252853.0/31