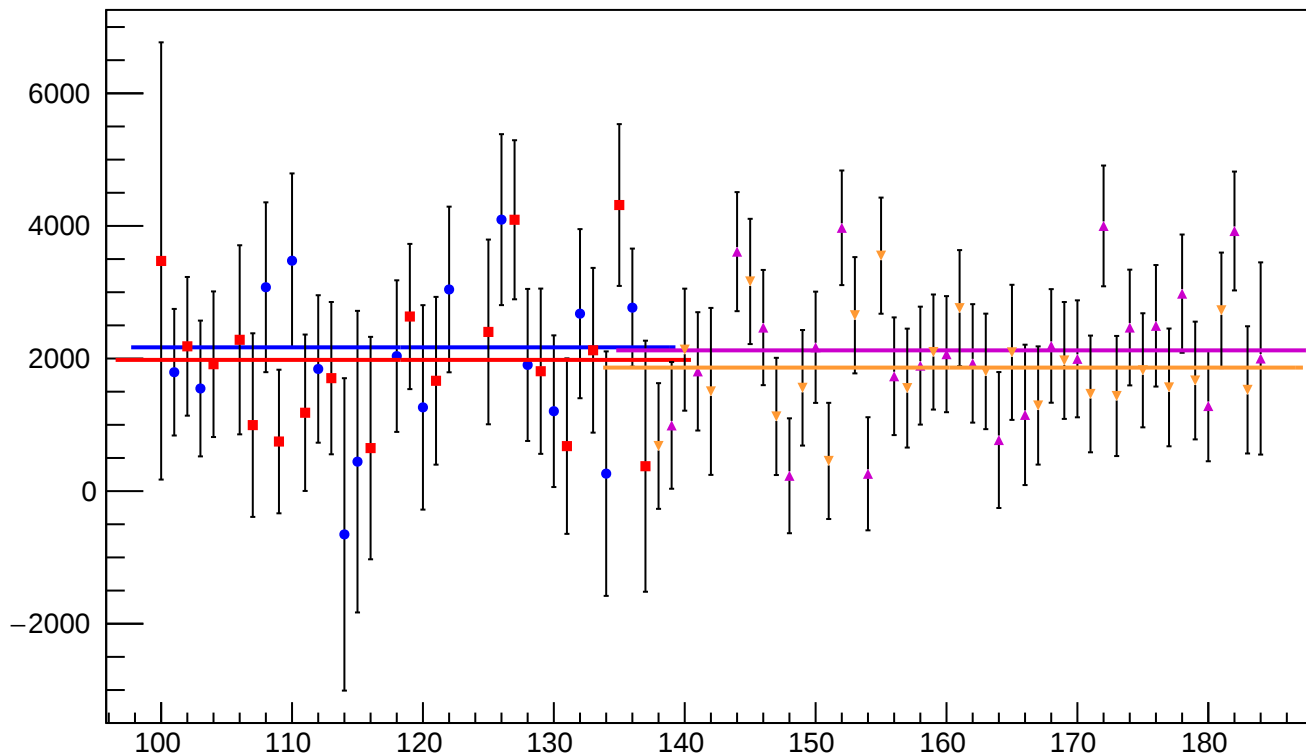


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2168.910+/-308.001

Left Out: 1863.258+/-188.813

Right Out: 1979.368+/-301.309

Left In: 2123.138+/-188.684

χ^2/NDF : 9.6/15

χ^2/NDF : 15.0/22

χ^2/NDF : 12.2/17

χ^2/NDF : 32.0/22

Left: 1993.287+/-133.465

Right: 2072.057+/-215.384

In: 2135.628+/-160.893

Out: 1895.997+/-159.995

All: 2015.141+/-113.450

χ^2/NDF : 47.9/45

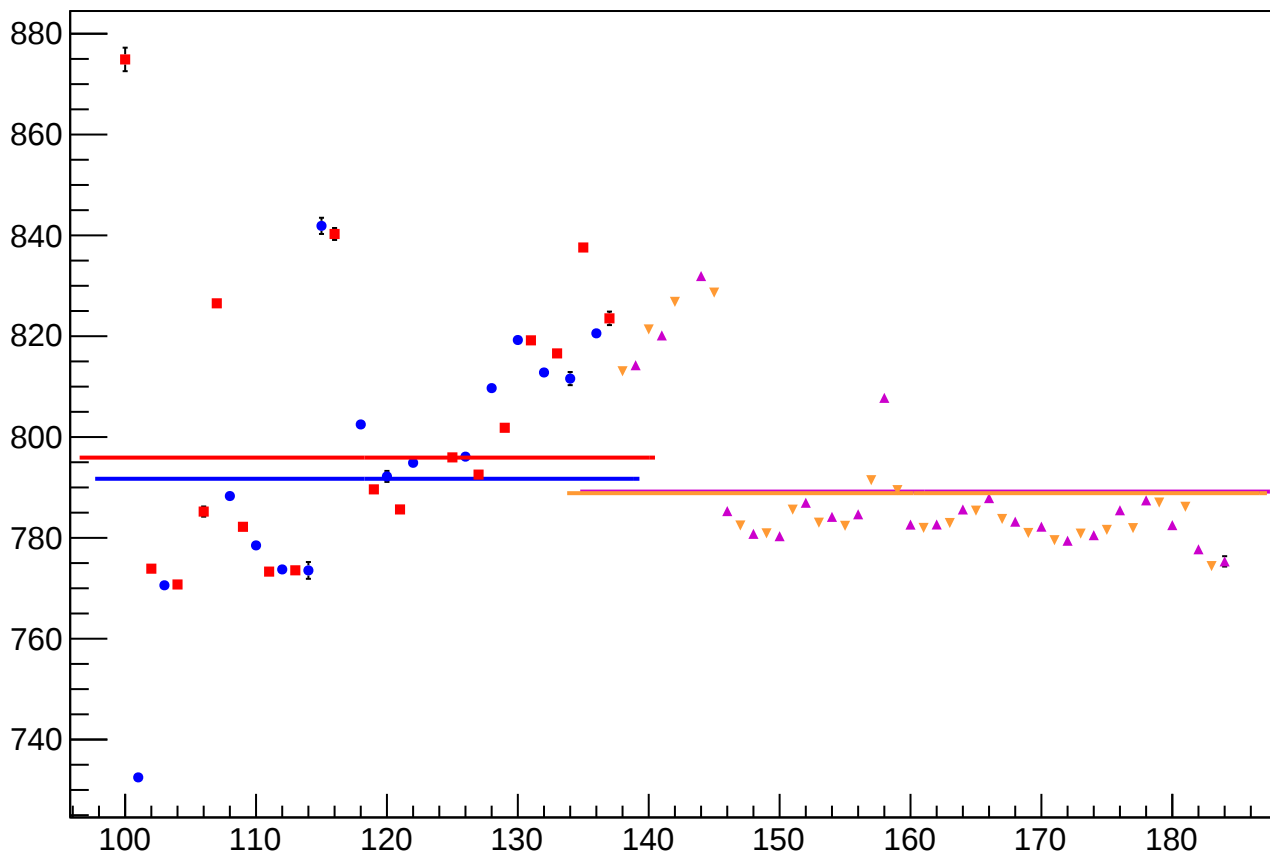
χ^2/NDF : 22.0/33

χ^2/NDF : 41.6/38

χ^2/NDF : 27.3/40

χ^2/NDF : 70.1/79

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 791.722 ± 0.218 $\chi^2/\text{NDF}: 15122.0/15$

Left Out: 788.865 ± 0.134 $\chi^2/\text{NDF}: 11266.8/22$

Right Out: 795.921 ± 0.213 $\chi^2/\text{NDF}: 11575.2/17$

Left In: 789.185 ± 0.133 $\chi^2/\text{NDF}: 11343.2/22$

Left: 789.025 ± 0.094 $\chi^2/\text{NDF}: 22612.9/45$

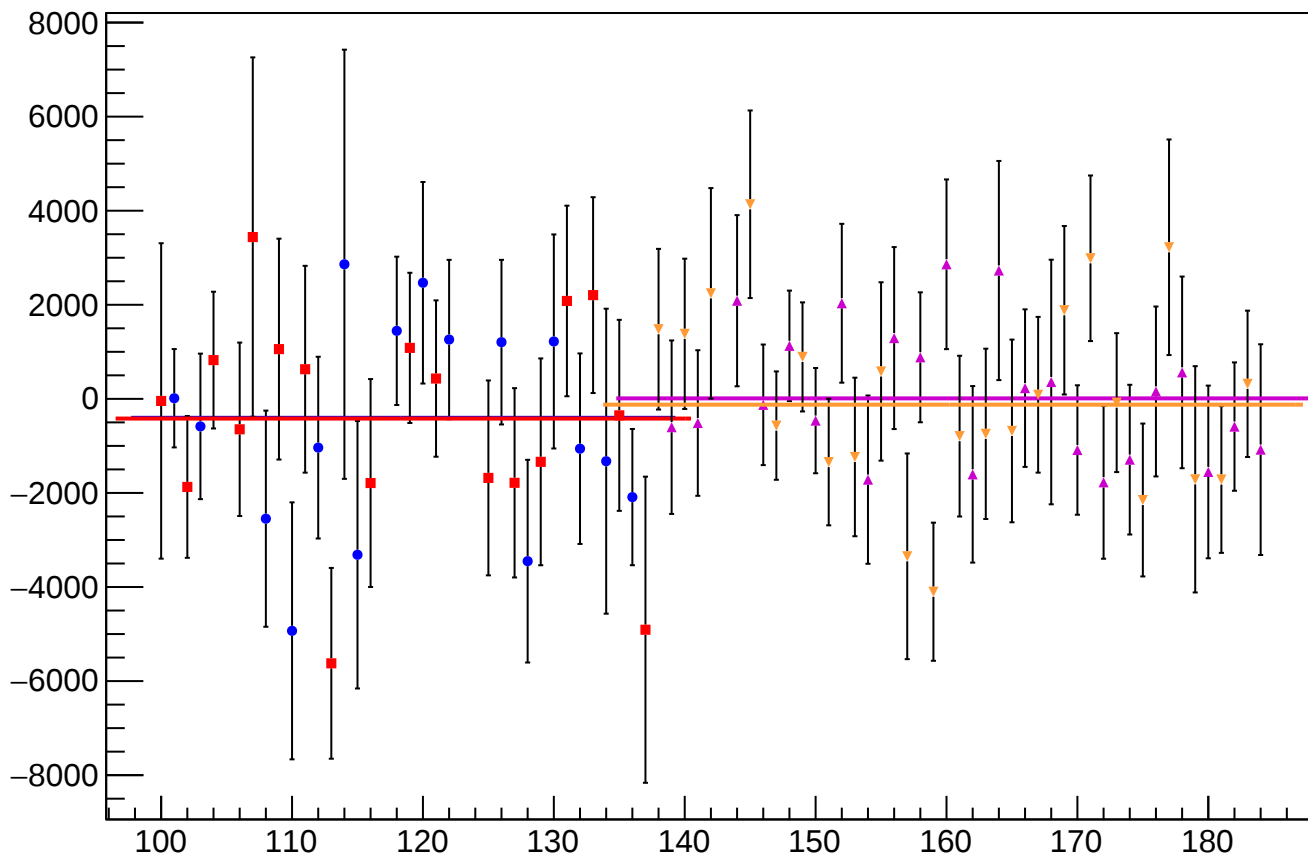
Right: 793.868 ± 0.152 $\chi^2/\text{NDF}: 26887.1/33$

In: 789.877 ± 0.114 $\chi^2/\text{NDF}: 26563.9/38$

Out: 790.855 ± 0.113 $\chi^2/\text{NDF}: 23629.5/40$

All: 790.369 ± 0.080 $\chi^2/\text{NDF}: 50230.6/79$

asym_us_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -123.298+/-343.485 χ^2/NDF : 29.3/22

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: -55.492+/-240.849 χ^2/NDF : 43.6/45

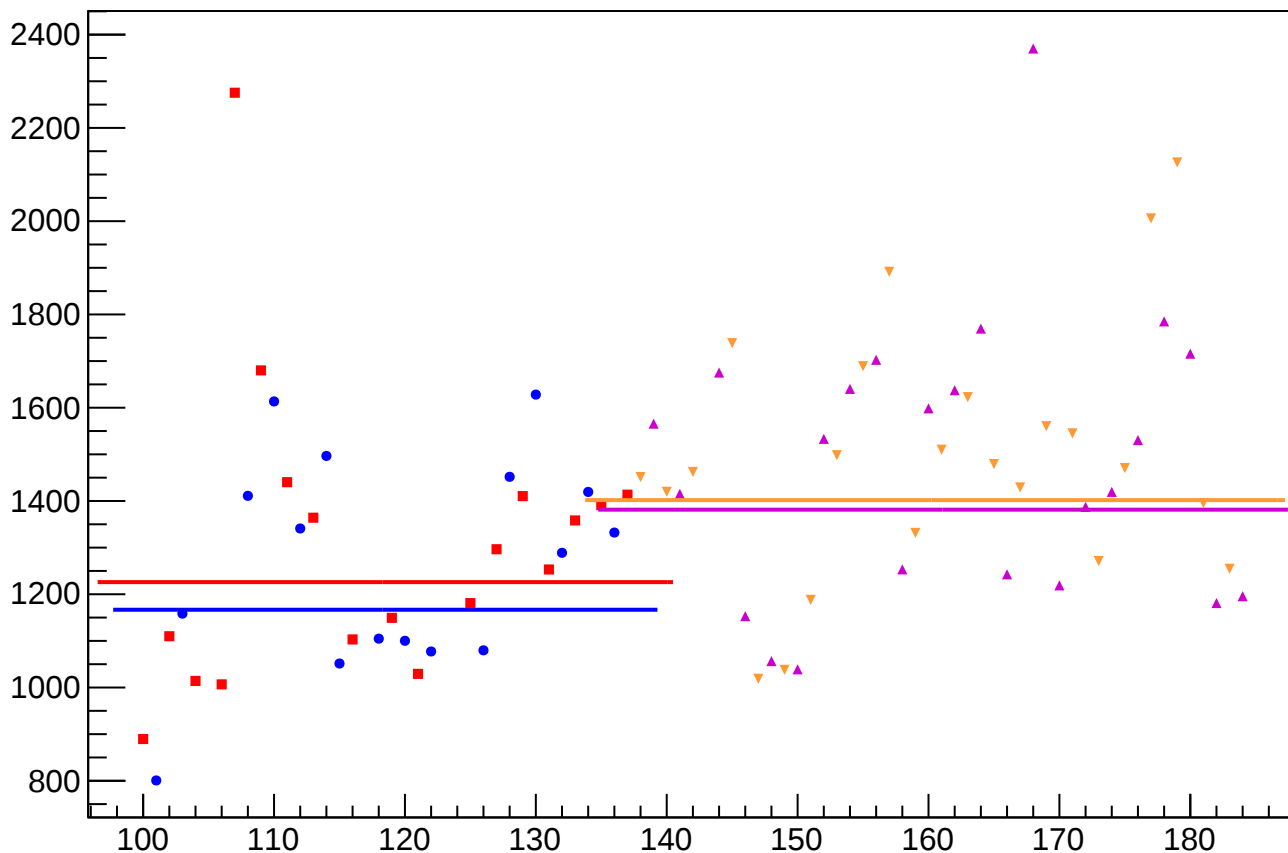
Right: -410.768+/-332.049 χ^2/NDF : 32.0/33

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

Out: -224.998+/-278.101 χ^2/NDF : 47.0/40

All: -177.971+/-194.962 χ^2/NDF : 76.3/79

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1401.861 $\pm$ 0.243 χ^2 /NDF: 1114268.1/22

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: 1391.439 $\pm$ 0.170 χ^2 /NDF: 2394378.4/45

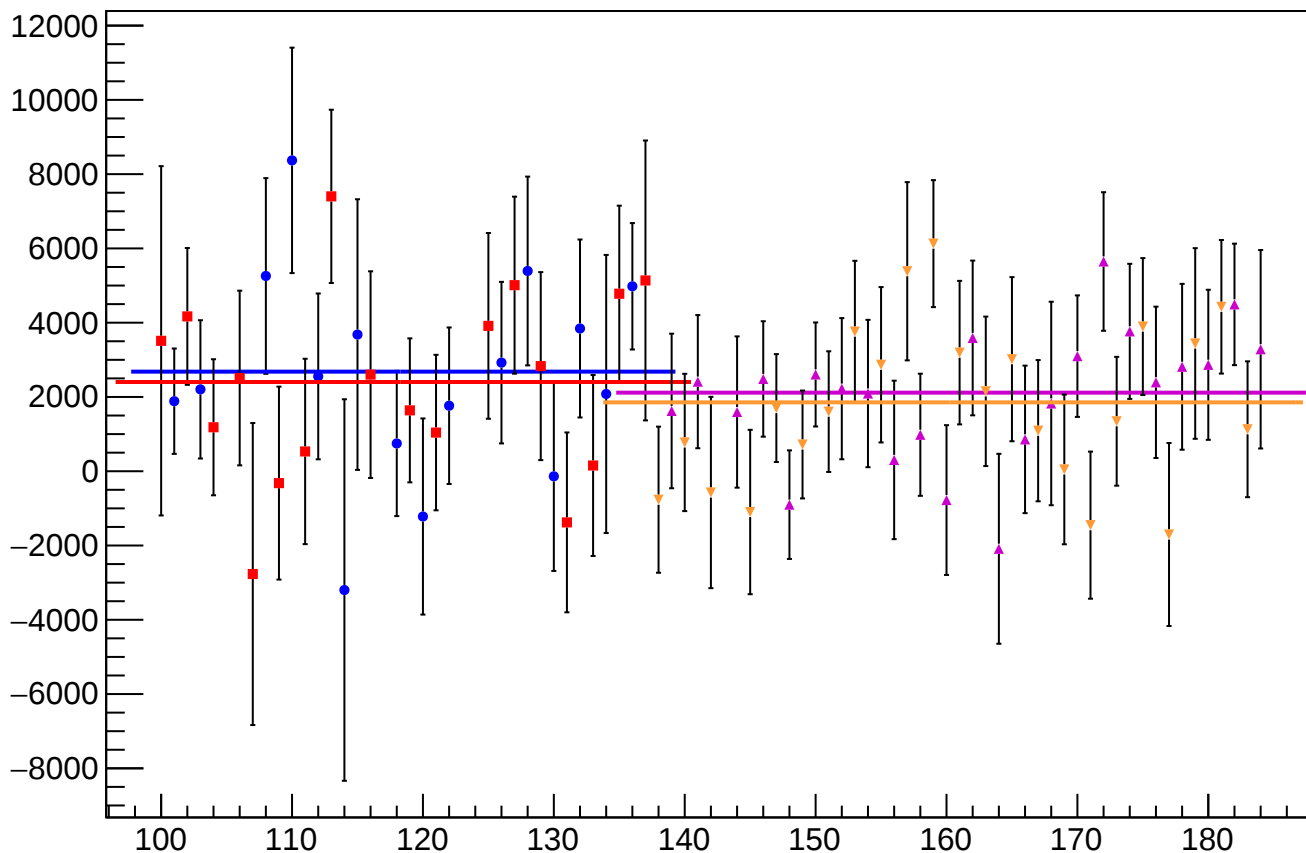
Right: 1195.859 $\pm$ 0.235 χ^2 /NDF: 987077.4/33

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

Out: 1341.280 $\pm$ 0.197 χ^2 /NDF: 1736262.5/40

All: 1324.014 $\pm$ 0.138 χ^2 /NDF: 3836114.6/79

asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1854.816 $\pm$ 398.402 χ^2 /NDF:25.6/22

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: 1987.250 $\pm$ 279.782 χ^2 /NDF: 44.6/45

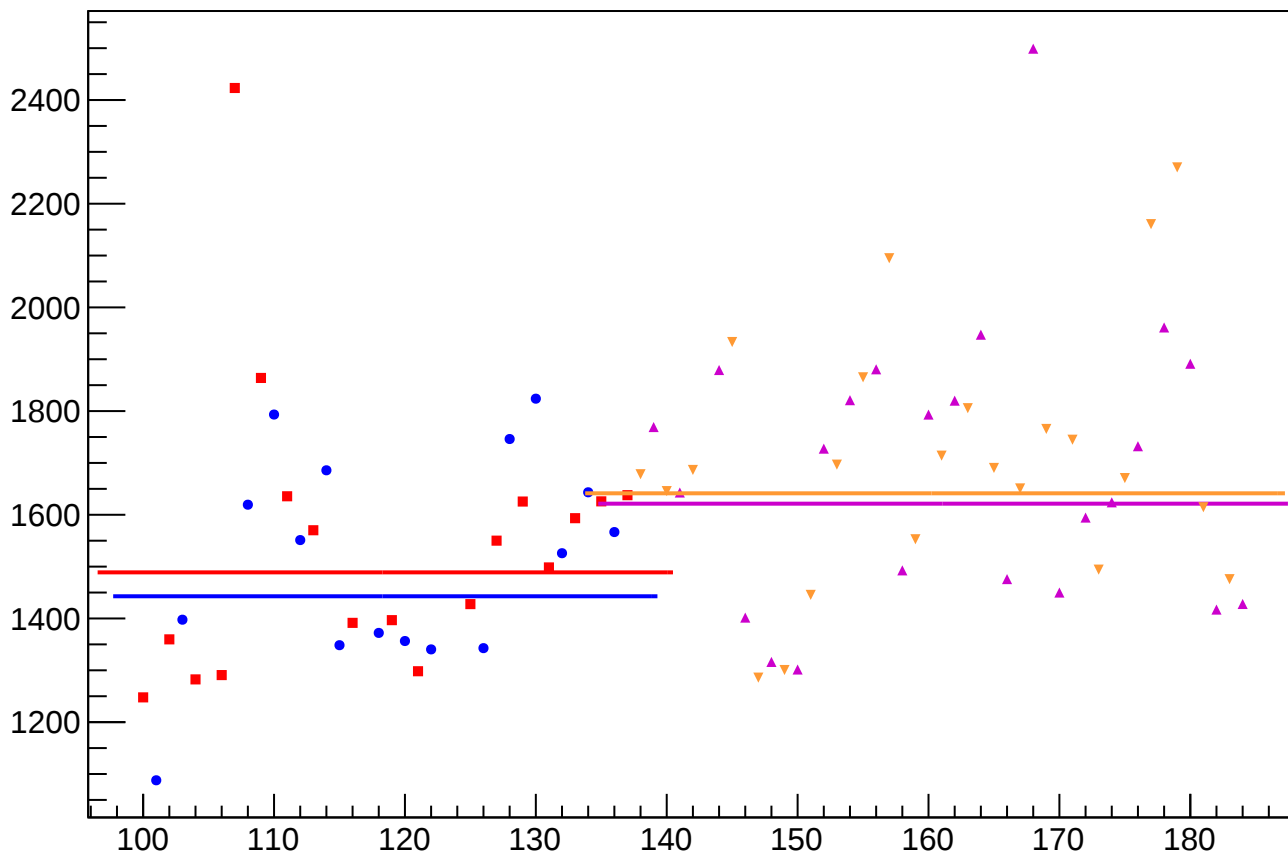
Right: 2542.810 $\pm$ 402.669 χ^2 /NDF: 30.4/33

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

Out: 2034.569 $\pm$ 326.606 χ^2 /NDF:42.5/40

All: 2168.133 $\pm$ 229.764 χ^2 /NDF: 76.3/79

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1641.407 $\pm$ 0.282 χ^2 /NDF: 667088.5/22

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: 1631.275 $\pm$ 0.198 χ^2 /NDF: 1444950.5/45

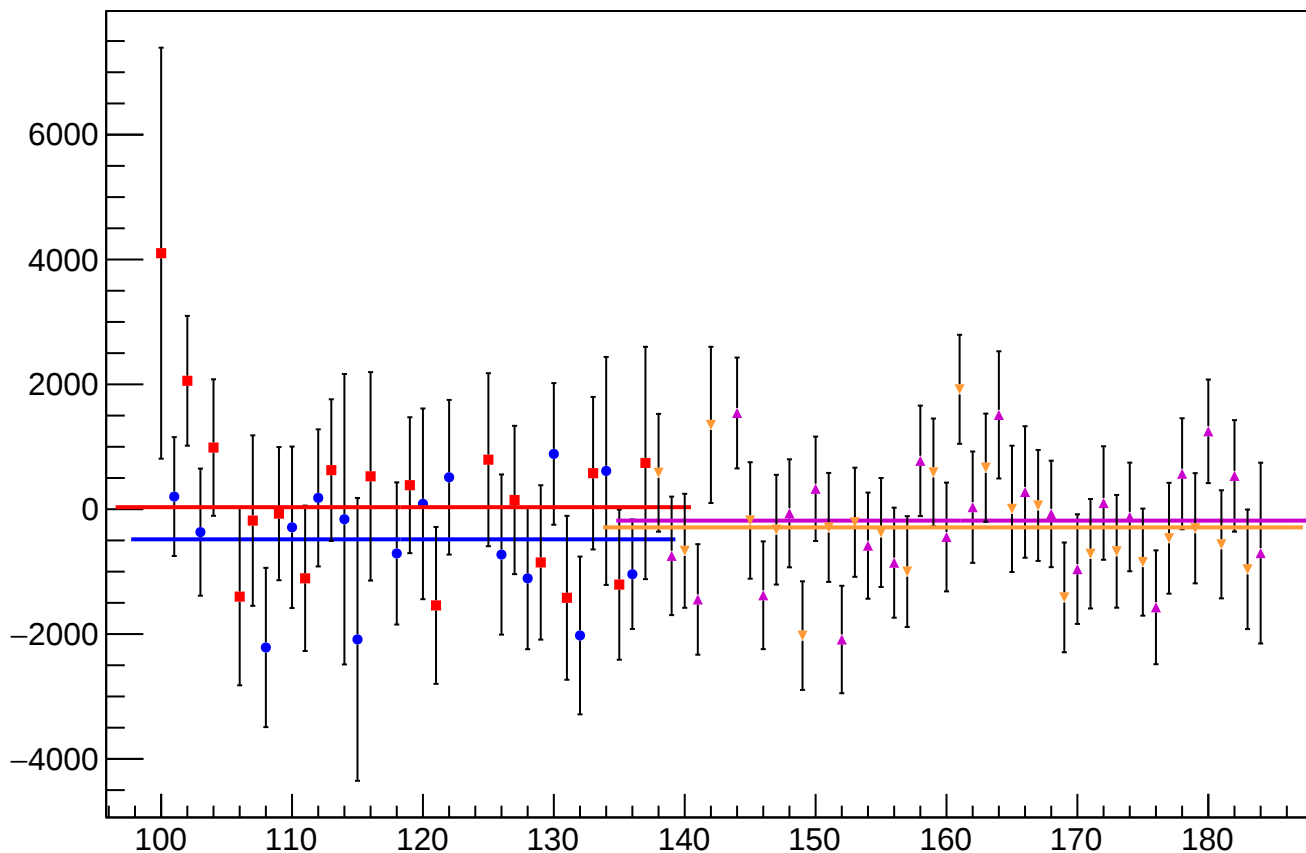
Right: 1465.790 $\pm$ 0.285 χ^2 /NDF: 541549.6/33

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

Out: 1591.397 $\pm$ 0.231 χ^2 /NDF: 1019885.1/40

All: 1577.395 $\pm$ 0.162 χ^2 /NDF: 2214313.9/79

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -290.965 ± 187.933 χ^2/NDF : 19.4/22

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: -236.897 ± 132.848 χ^2/NDF : 45.7/45

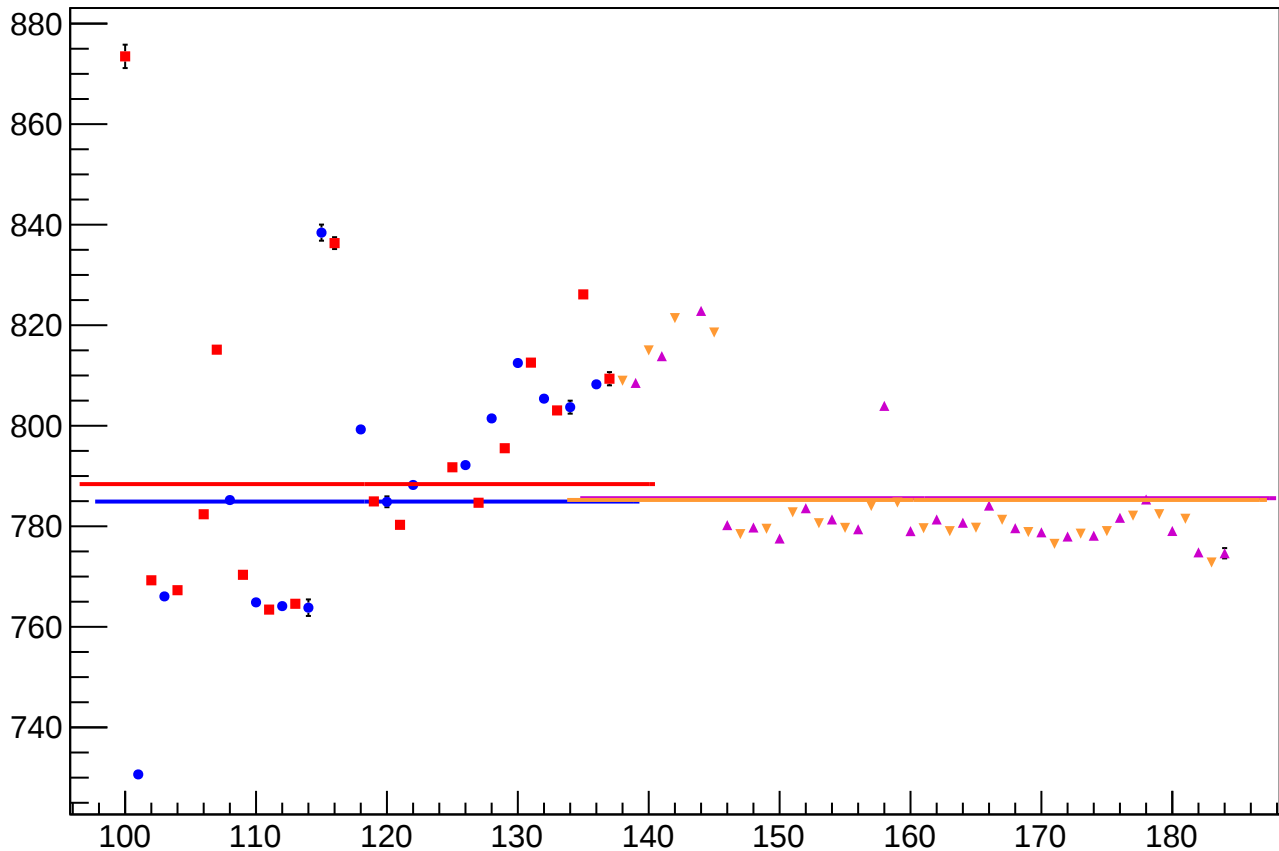
Right: -219.114 ± 213.431 χ^2/NDF : 23.2/33

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

Out: -199.134 ± 159.030 χ^2/NDF : 33.8/40

All: -231.931 ± 112.784 χ^2/NDF : 68.9/79

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 784.921 $\pm$ 0.216 χ^2/NDF : 13814.6/15

Left Out: 785.242 $\pm$ 0.133 χ^2/NDF : 9196.9/22

Right Out: 788.394 $\pm$ 0.211 χ^2/NDF : 10968.1/17

Left In: 785.592 $\pm$ 0.133 χ^2/NDF : 9373.7/22

Left: 785.417 $\pm$ 0.094 χ^2/NDF : 18574.1/45

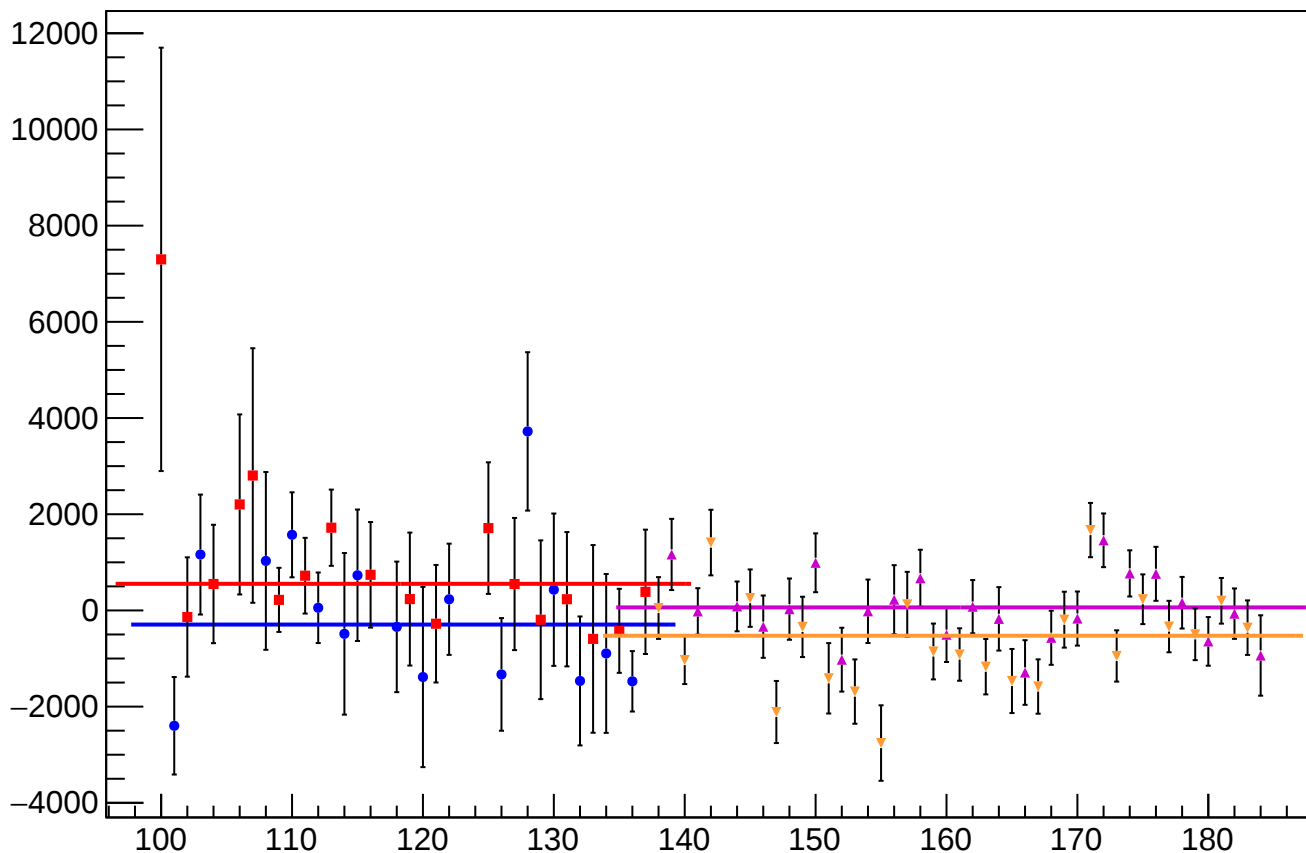
Right: 786.697 $\pm$ 0.151 χ^2/NDF : 24915.0/33

In: 785.408 $\pm$ 0.113 χ^2/NDF : 23195.3/38

Out: 786.137 $\pm$ 0.112 χ^2/NDF : 20324.8/40

All: 785.775 $\pm$ 0.080 χ^2/NDF : 43541.0/79

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -525.595 $\pm$ 122.282 χ^2/NDF :59.6/22

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: -230.844 $\pm$ 86.383 χ^2/NDF : 100.0/45

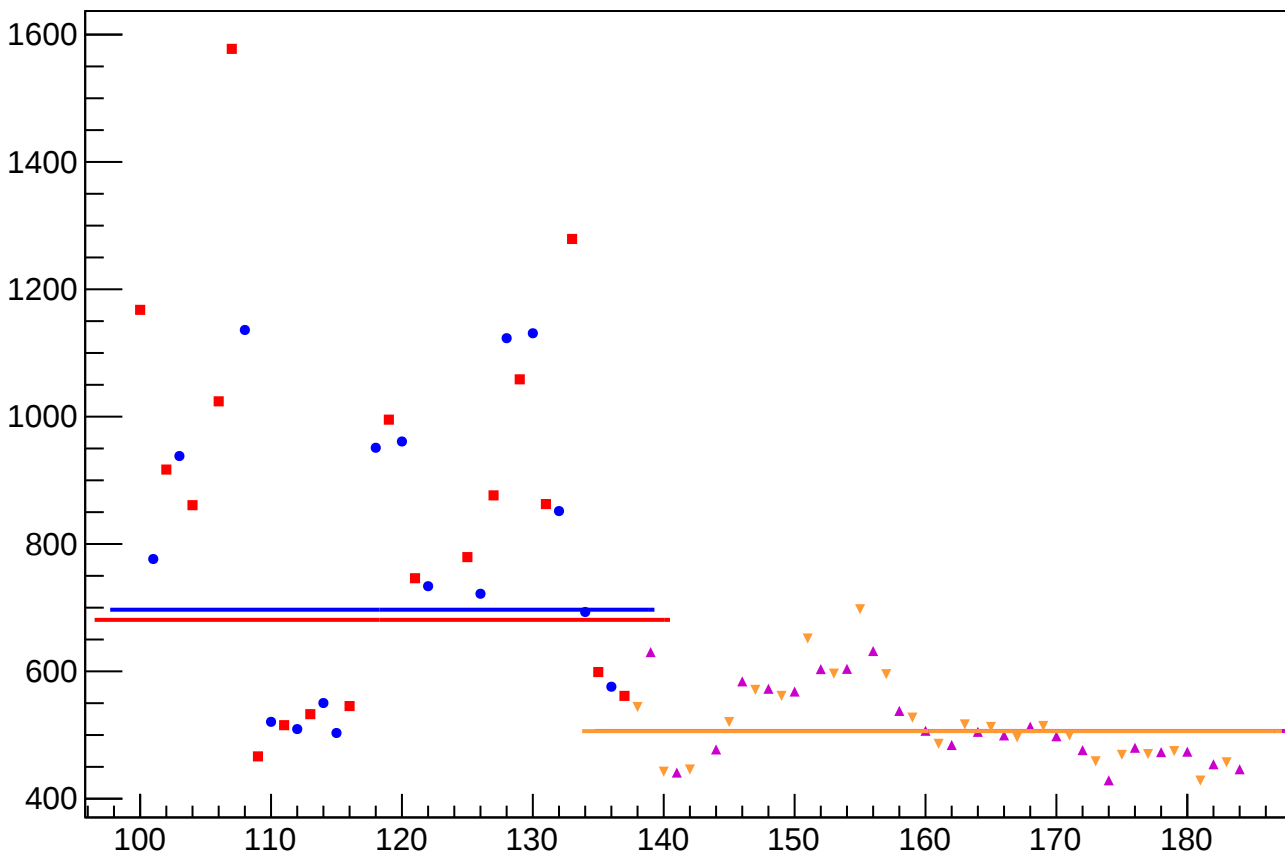
Right: 144.732 $\pm$ 196.664 χ^2/NDF : 37.7/33

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

Out: -345.675 $\pm$ 111.620 χ^2/NDF :82.4/40

All: -170.103 $\pm$ 79.089 χ^2/NDF : 140.8/79

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 696.803+/-0.200 χ^2/NDF : 963973.0/15

Left Out: 506.108+/-0.086 χ^2/NDF : 479648.0/22

Right Out: 680.884+/-0.193 χ^2/NDF : 1353667.8/17

Left In: 506.380+/-0.086 χ^2/NDF : 436294.4/22

Left: 506.245+/-0.061 χ^2/NDF : 915947.3/45

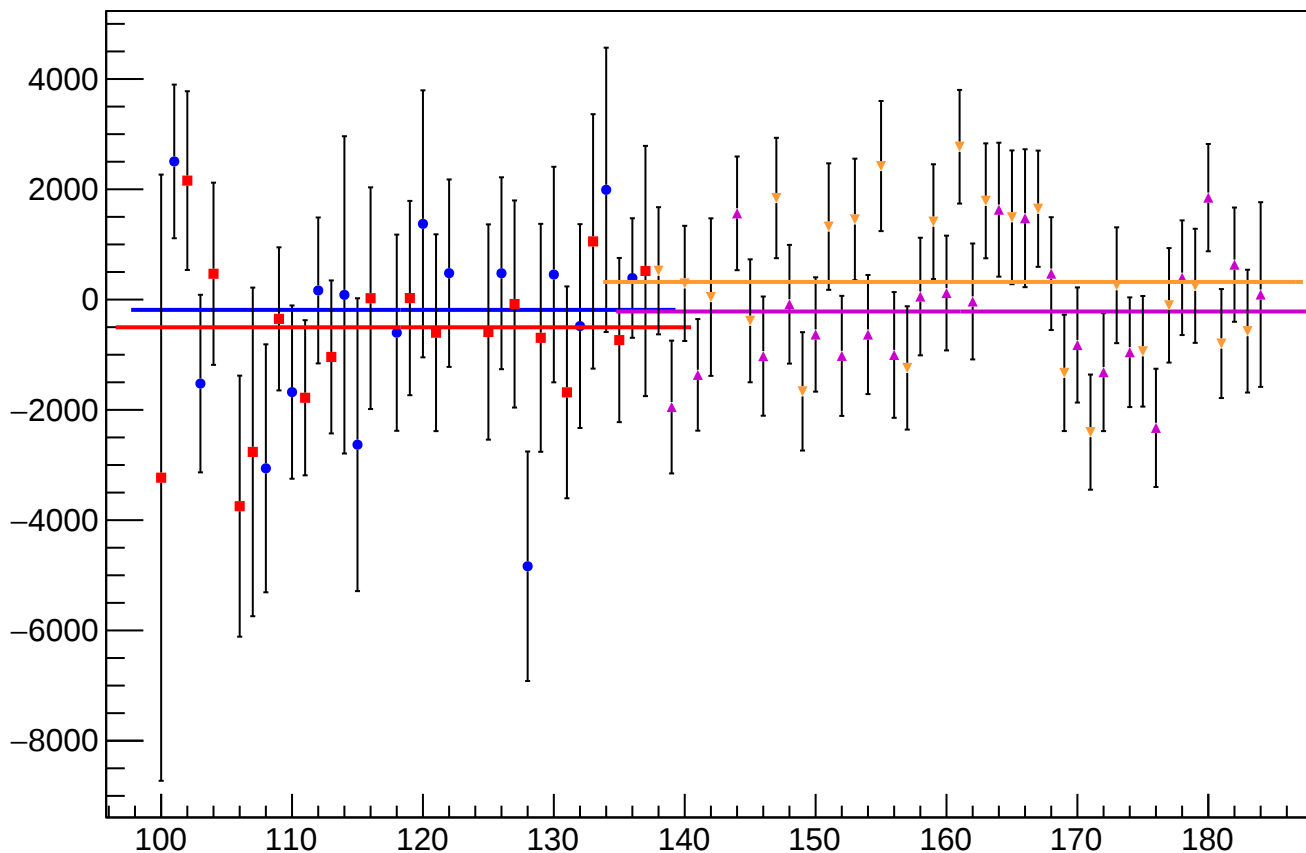
Right: 688.562+/-0.139 χ^2/NDF : 2320912.9/33

In: 536.208+/-0.079 χ^2/NDF : 2162923.0/38

Out: 535.257+/-0.079 χ^2/NDF : 2514723.9/40

All: 535.731+/-0.056 χ^2/NDF : 4677719.2/79

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -186.802 ± 434.855 $\chi^2/\text{NDF}: 14.8/15$

Left Out: 319.837 ± 226.171 $\chi^2/\text{NDF}: 37.0/22$

Right Out: -502.321 ± 428.043 $\chi^2/\text{NDF}: 8.0/17$

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

Left: 51.181 ± 159.725 $\chi^2/\text{NDF}: 64.2/45$

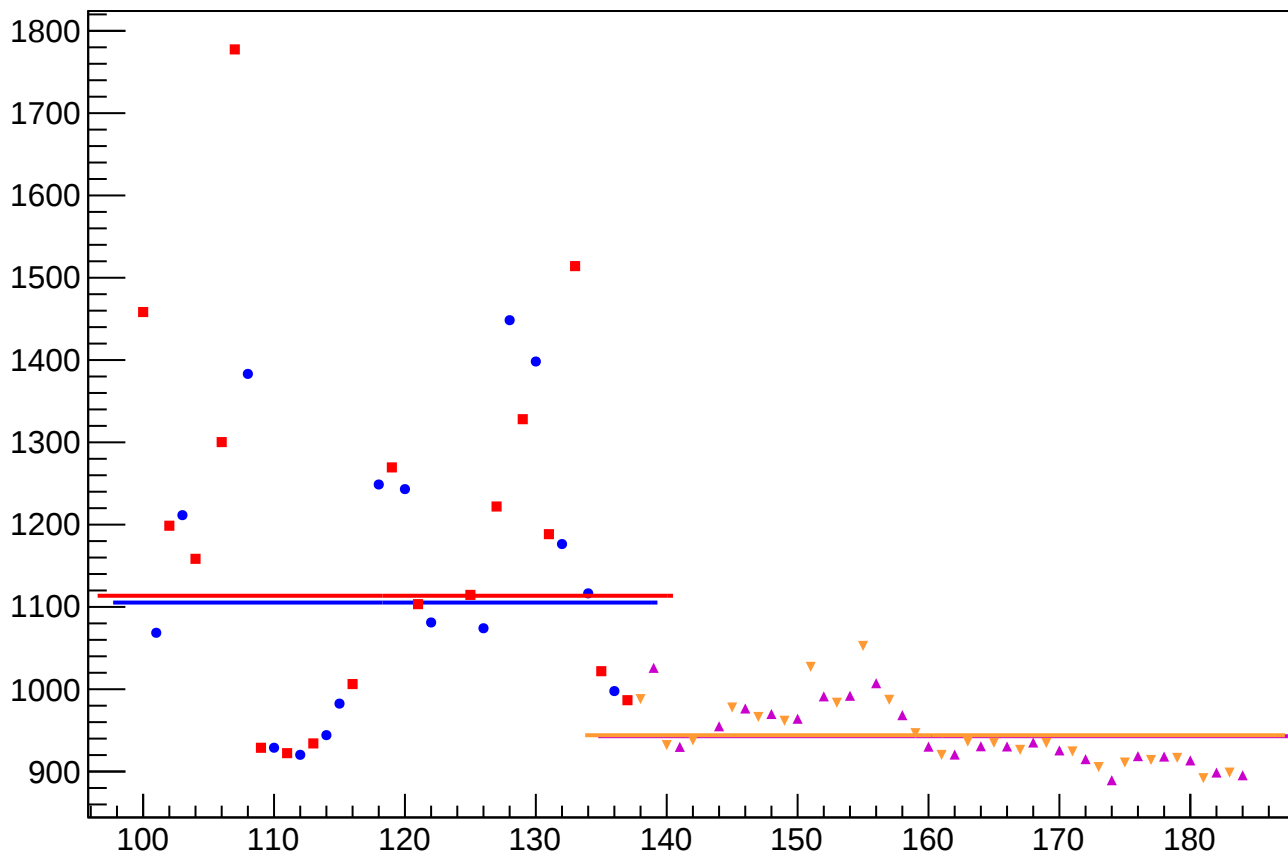
Right: -347.053 ± 305.052 $\chi^2/\text{NDF}: 23.1/33$

In: -209.903 ± 200.255 $\chi^2/\text{NDF}: 39.2/38$

Out: 140.397 ± 199.972 $\chi^2/\text{NDF}: 47.9/40$

All: -34.506 ± 141.502 $\chi^2/\text{NDF}: 88.6/79$

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1105.313 ± 0.307 $\chi^2/\text{NDF}: 258052.8/15$

Left Out: 944.091 ± 0.160 $\chi^2/\text{NDF}: 59005.7/22$

Right Out: 1113.586 ± 0.303 $\chi^2/\text{NDF}: 364341.2/17$

Left In: 942.927 ± 0.160 $\chi^2/\text{NDF}: 48402.9/22$

Left: 943.507 ± 0.113 $\chi^2/\text{NDF}: 107435.2/45$

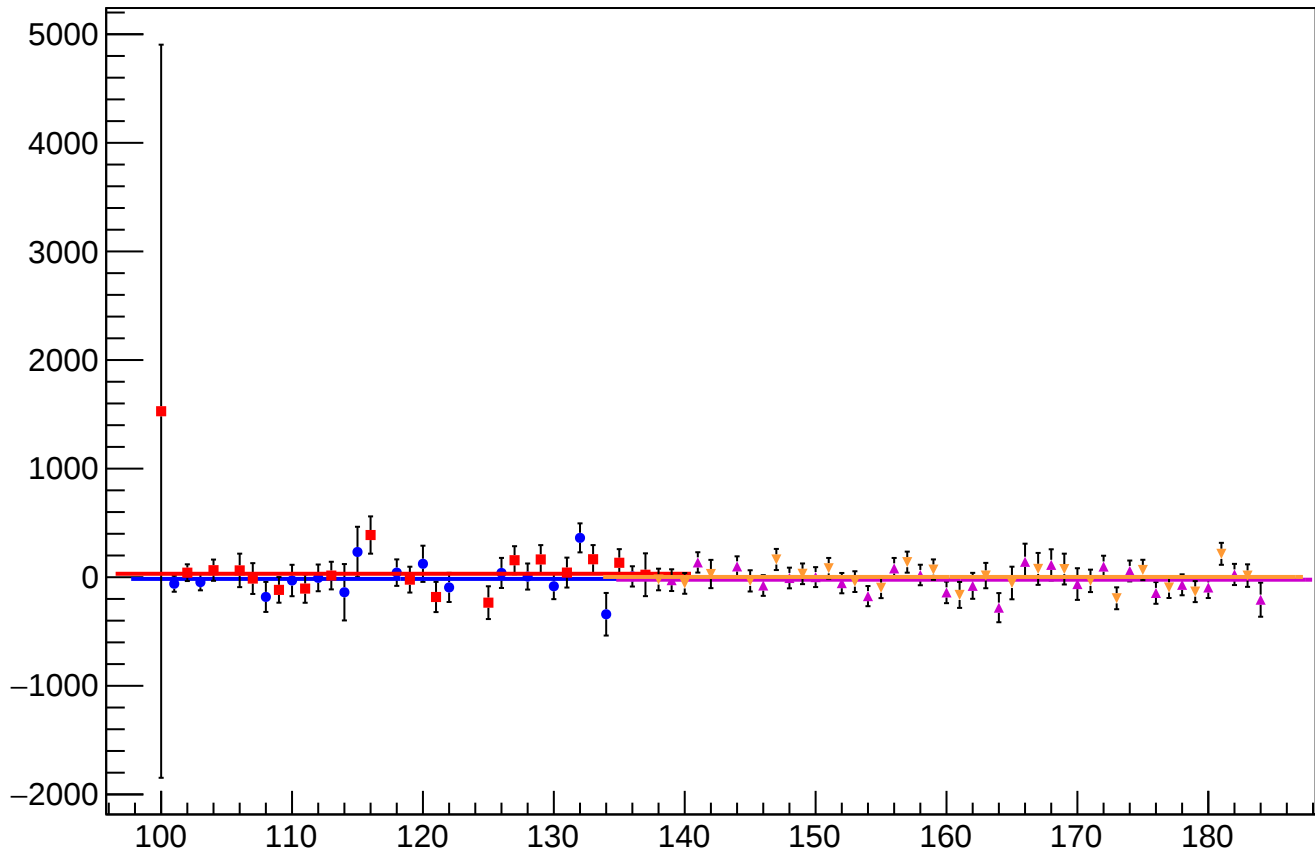
Right: 1109.515 ± 0.216 $\chi^2/\text{NDF}: 622761.6/33$

In: 977.364 ± 0.142 $\chi^2/\text{NDF}: 526205.0/38$

Out: 981.085 ± 0.141 $\chi^2/\text{NDF}: 668498.6/40$

All: 979.227 ± 0.100 $\chi^2/\text{NDF}: 1195049.2/79$

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 2.473 ± 21.646 χ^2/NDF : 22.3/22

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: -10.265 ± 15.284 χ^2/NDF : 45.5/45

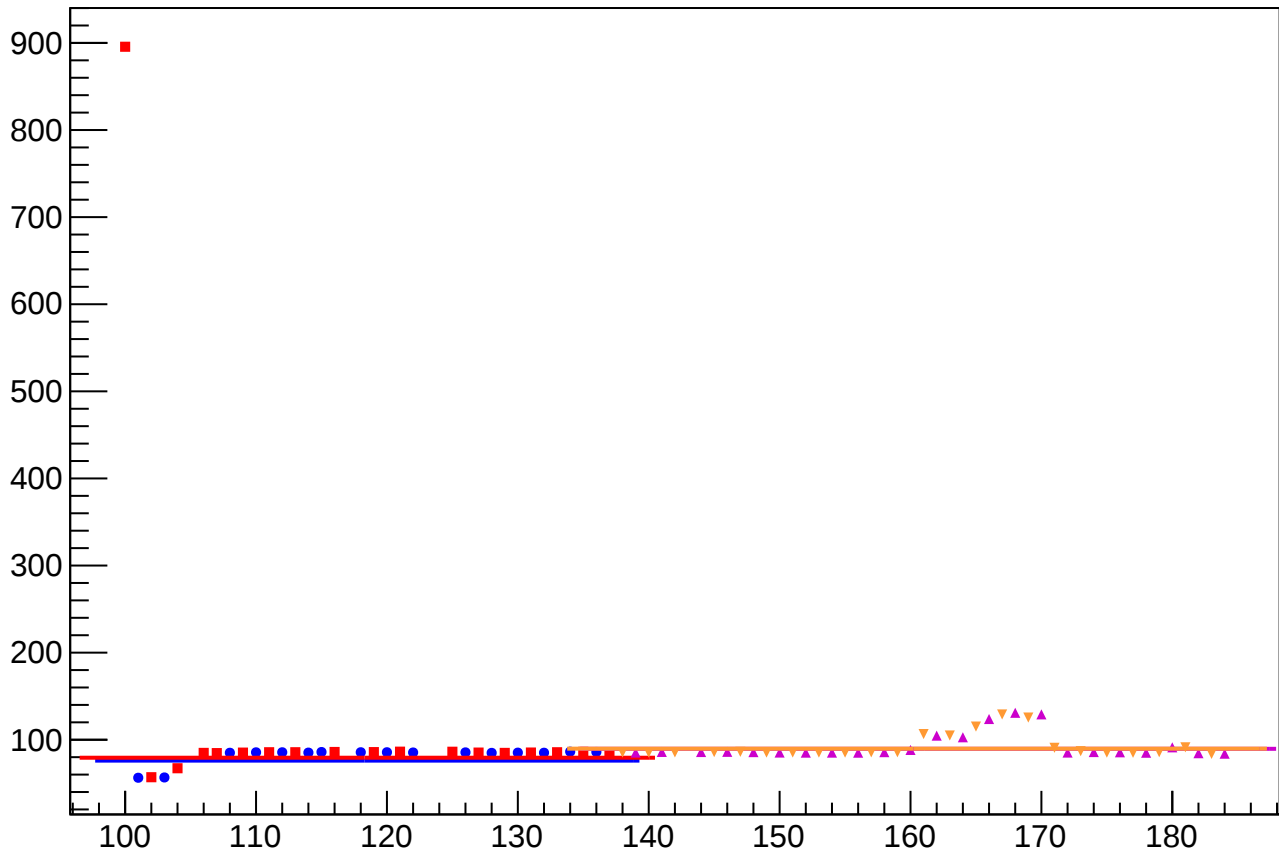
Right: 7.743 ± 21.397 χ^2/NDF : 34.0/33

In: -20.418 ± 17.527 χ^2/NDF : 38.5/38

Out: 12.285 ± 17.651 χ^2/NDF : 39.7/40

All: -4.181 ± 12.437 χ^2/NDF : 80.0/79

reg_asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.053 $\pm$ 0.021 χ^2 /NDF: 408670.6/15

Left Out: 89.784 $\pm$ 0.015 χ^2 /NDF: 464088.2/22

Right Out: 79.371 $\pm$ 0.022 χ^2 /NDF: 378257.4/17

Left In: 89.596 $\pm$ 0.015 χ^2 /NDF: 508511.1/22

Left: 89.690 $\pm$ 0.011 χ^2 /NDF: 972675.3/45

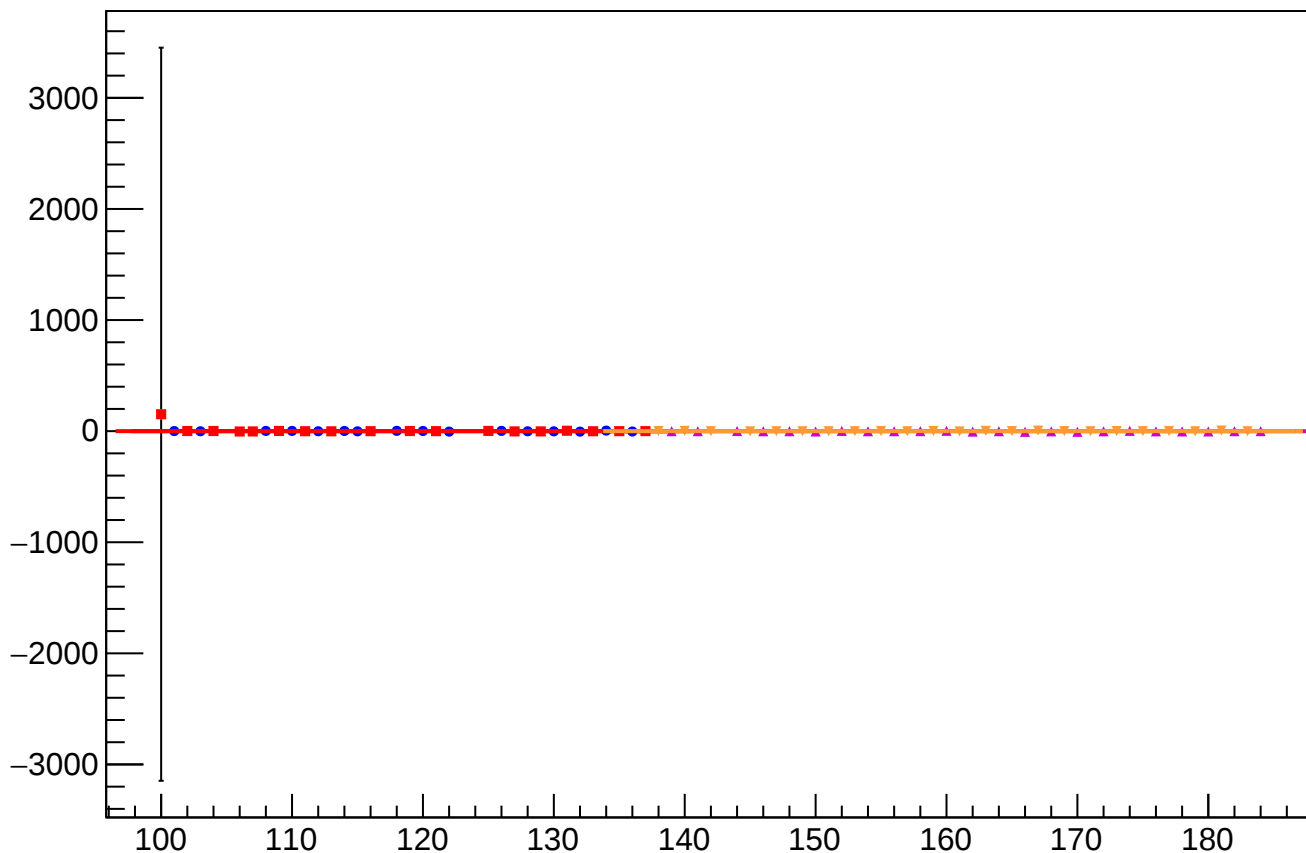
Right: 77.687 $\pm$ 0.015 χ^2 /NDF: 798945.2/33

In: 84.983 $\pm$ 0.012 χ^2 /NDF: 1185332.9/38

Out: 86.295 $\pm$ 0.012 χ^2 /NDF: 997441.7/40

All: 85.634 $\pm$ 0.009 χ^2 /NDF: 2188336.1/79

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.153 ± 0.379 χ^2/NDF : 20.9/22

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: -0.176 ± 0.271 χ^2/NDF : 48.7/45

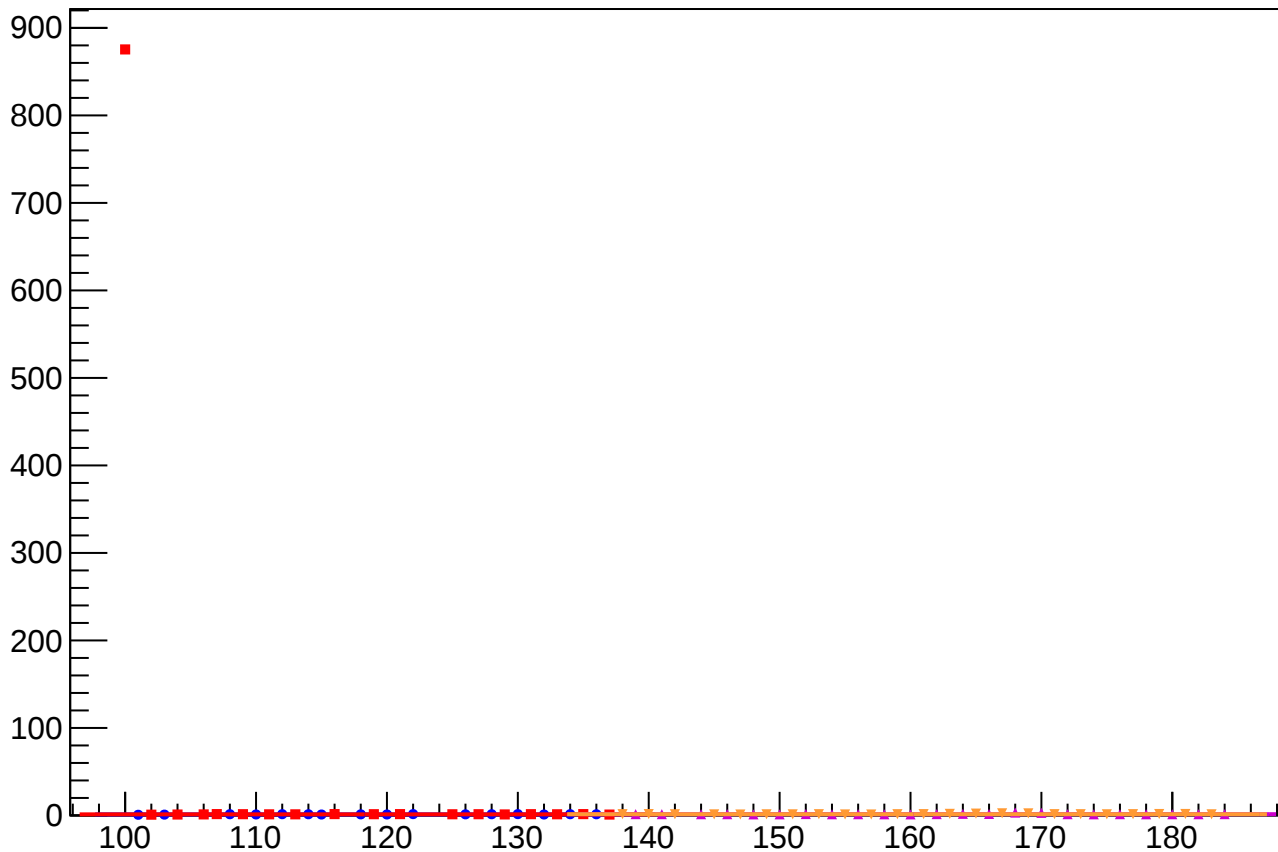
Right: -0.133 ± 0.363 χ^2/NDF : 31.0/33

In: -0.433 ± 0.306 χ^2/NDF : 47.4/38

Out: 0.114 ± 0.307 χ^2/NDF : 30.8/40

All: -0.161 ± 0.217 χ^2/NDF : 79.8/79

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.407+/-0.000 χ^2/NDF : 985016.7/22

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: 1.429+/-0.000 χ^2/NDF : 1995624.6/45

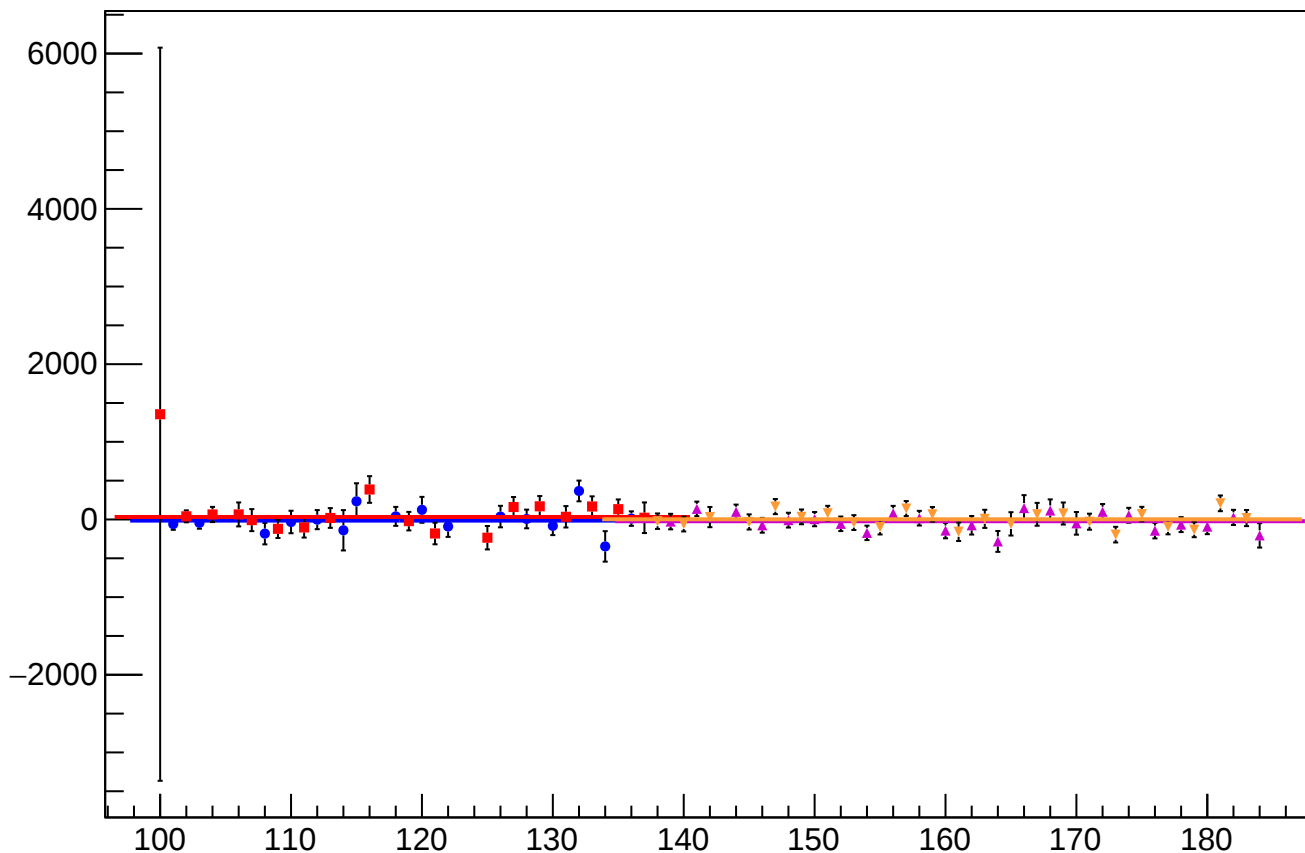
Right: 1.203+/-0.000 χ^2/NDF : 1038995.7/33

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

Out: 1.356+/-0.000 χ^2/NDF : 1578259.8/40

All: 1.348+/-0.000 χ^2/NDF : 3534544.1/79

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 2.264 ± 21.653 χ^2/NDF : 22.0/22

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: -10.126 ± 15.289 χ^2/NDF : 45.0/45

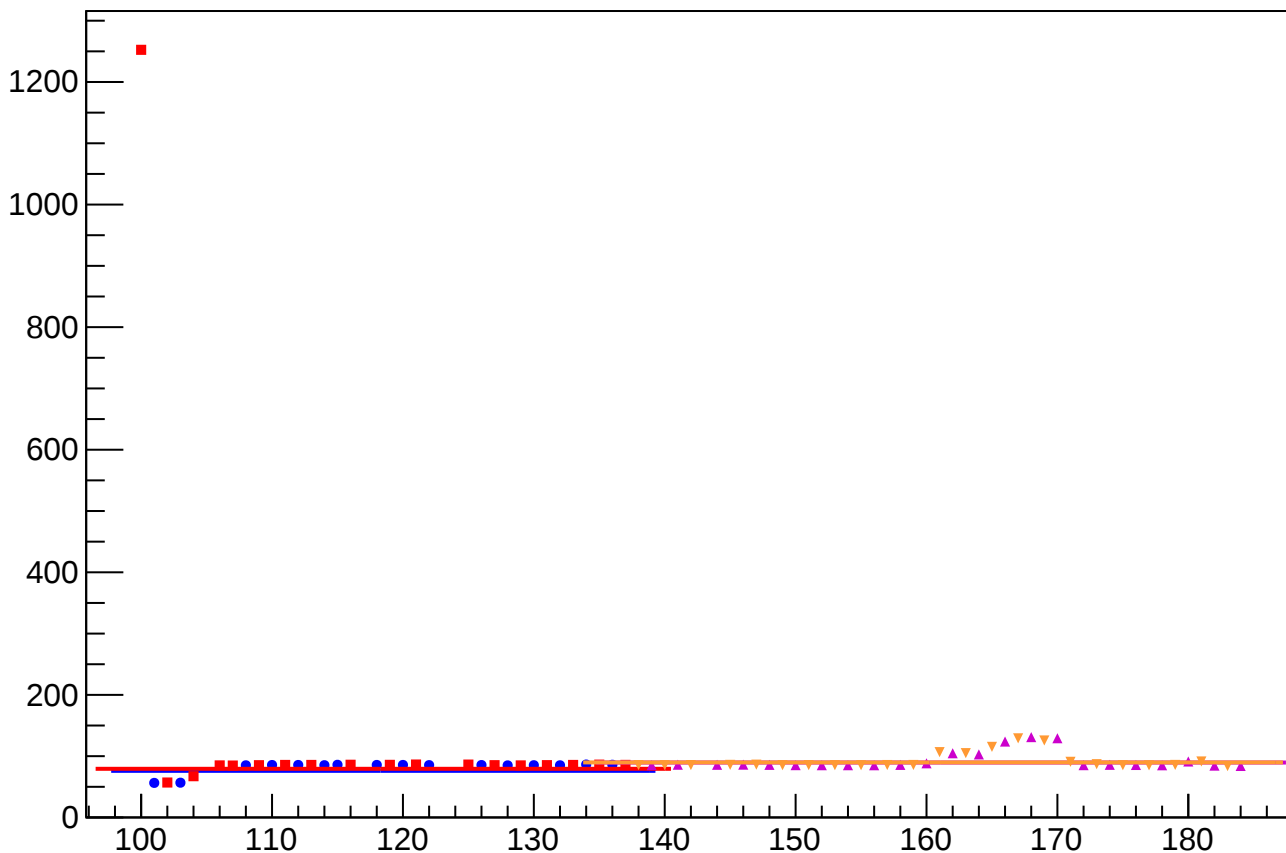
Right: 8.419 ± 21.402 χ^2/NDF : 34.2/33

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

Out: 12.240 ± 17.656 χ^2/NDF : 39.4/40

All: -3.860 ± 12.441 χ^2/NDF : 79.6/79

asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.073 $\pm$ 0.021 χ^2 /NDF: 408699.5/15

Left Out: 89.811 $\pm$ 0.015 χ^2 /NDF: 464833.2/22

Right Out: 79.374 $\pm$ 0.022 χ^2 /NDF: 384780.1/17

Left In: 89.622 $\pm$ 0.015 χ^2 /NDF: 509391.8/22

Left: 89.716 $\pm$ 0.011 χ^2 /NDF: 974301.1/45

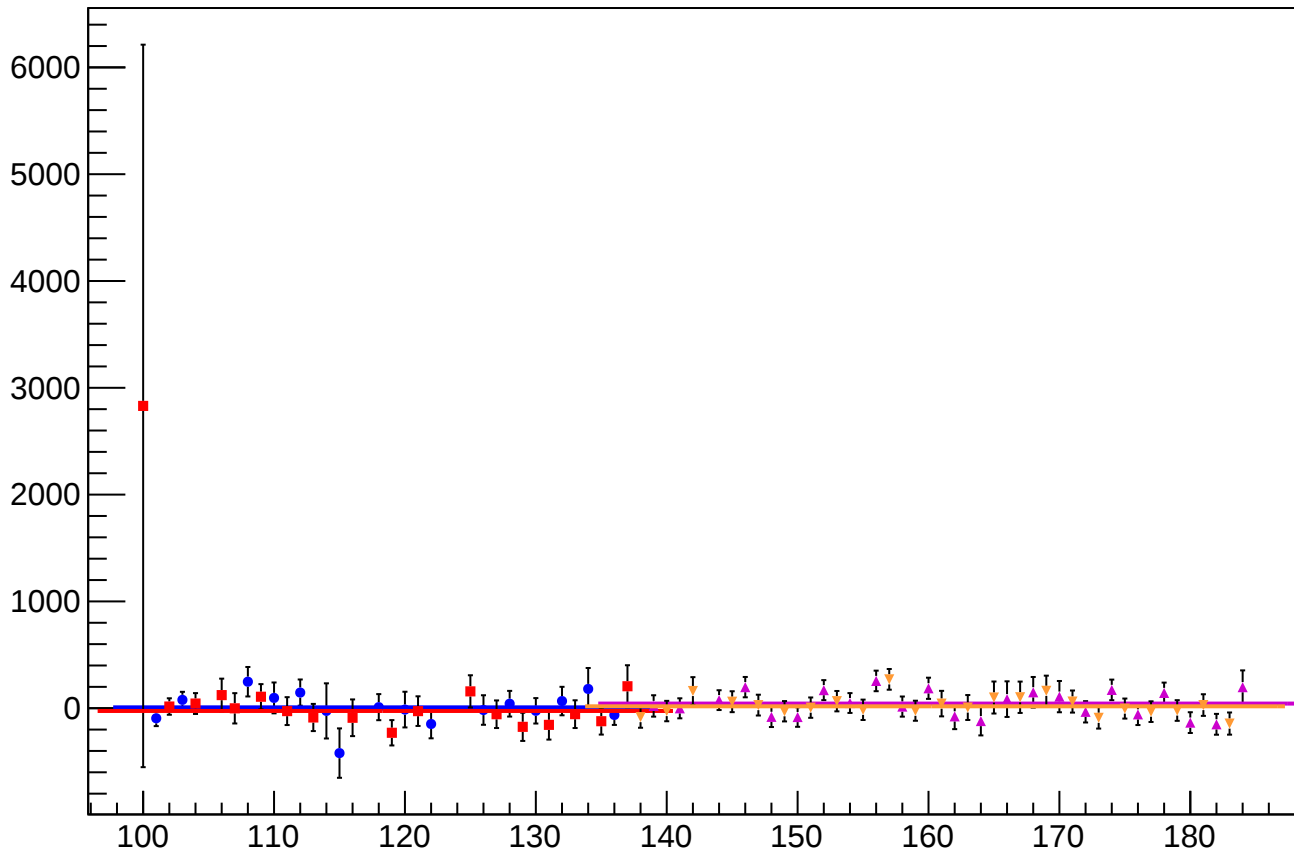
Right: 77.699 $\pm$ 0.015 χ^2 /NDF: 805371.7/33

In: 85.007 $\pm$ 0.012 χ^2 /NDF: 1186365.0/38

Out: 86.313 $\pm$ 0.012 χ^2 /NDF: 1005315.8/40

All: 85.656 $\pm$ 0.009 χ^2 /NDF: 2197194.7/79

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 17.847 ± 21.651 $\chi^2/\text{NDF}: 16.2/22$

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: 30.669 ± 15.289 $\chi^2/\text{NDF}: 48.4/45$

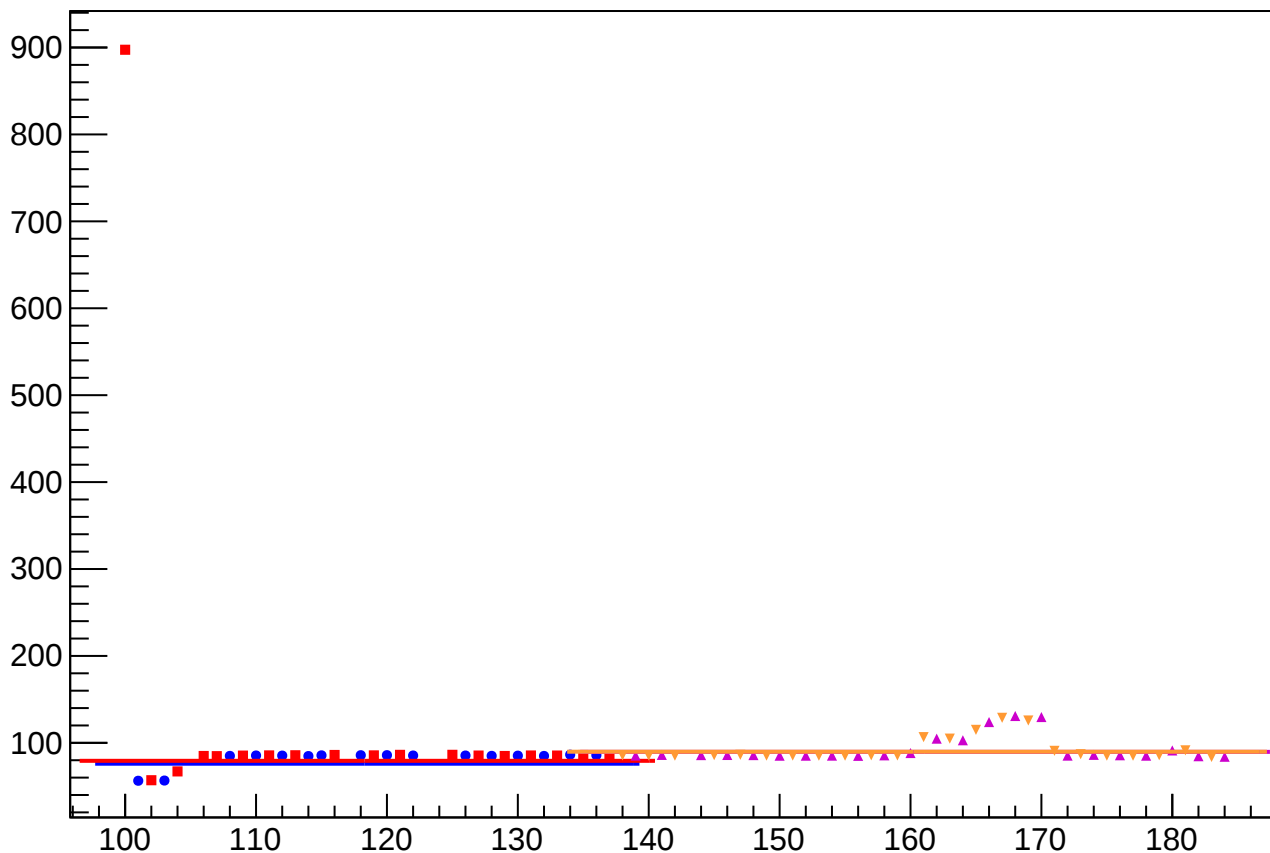
Right: -8.572 ± 21.383 $\chi^2/\text{NDF}: 27.4/33$

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

Out: 3.214 ± 17.649 $\chi^2/\text{NDF}: 30.4/40$

All: 17.394 ± 12.437 $\chi^2/\text{NDF}: 78.0/79$

reg_asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.004 $\pm$ 0.021 χ^2 /NDF: 408328.4/15

Left Out: 89.803 $\pm$ 0.015 χ^2 /NDF: 462915.9/22

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: 89.715 $\pm$ 0.011 χ^2 /NDF: 974024.4/45

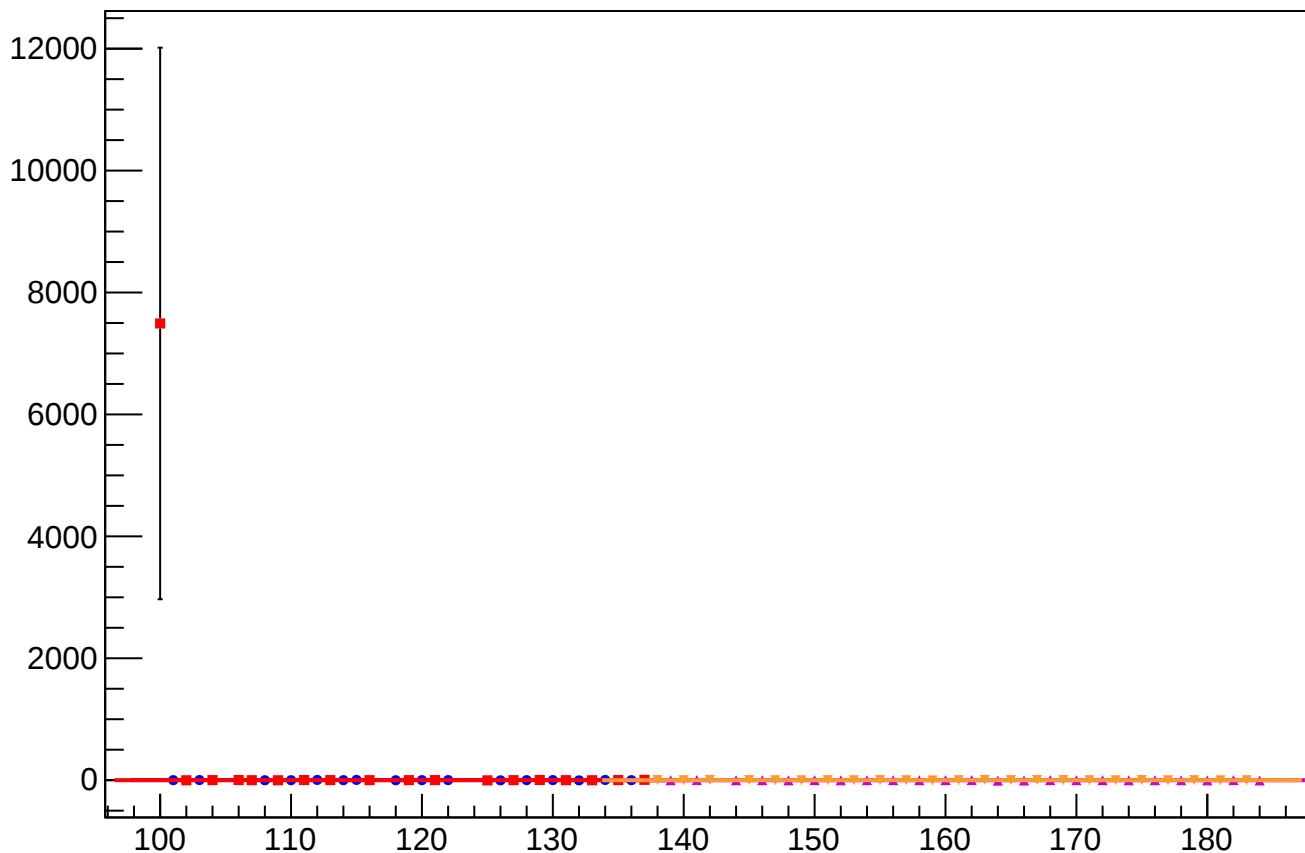
Right: 77.638 $\pm$ 0.015 χ^2 /NDF: 798459.7/33

In: 84.981 $\pm$ 0.012 χ^2 /NDF: 1190918.1/38

Out: 86.288 $\pm$ 0.012 χ^2 /NDF: 998245.0/40

All: 85.630 $\pm$ 0.009 χ^2 /NDF: 2194682.2/79

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.471 ± 0.393 χ^2/NDF : 19.6/22

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: -0.270 ± 0.277 χ^2/NDF : 40.5/45

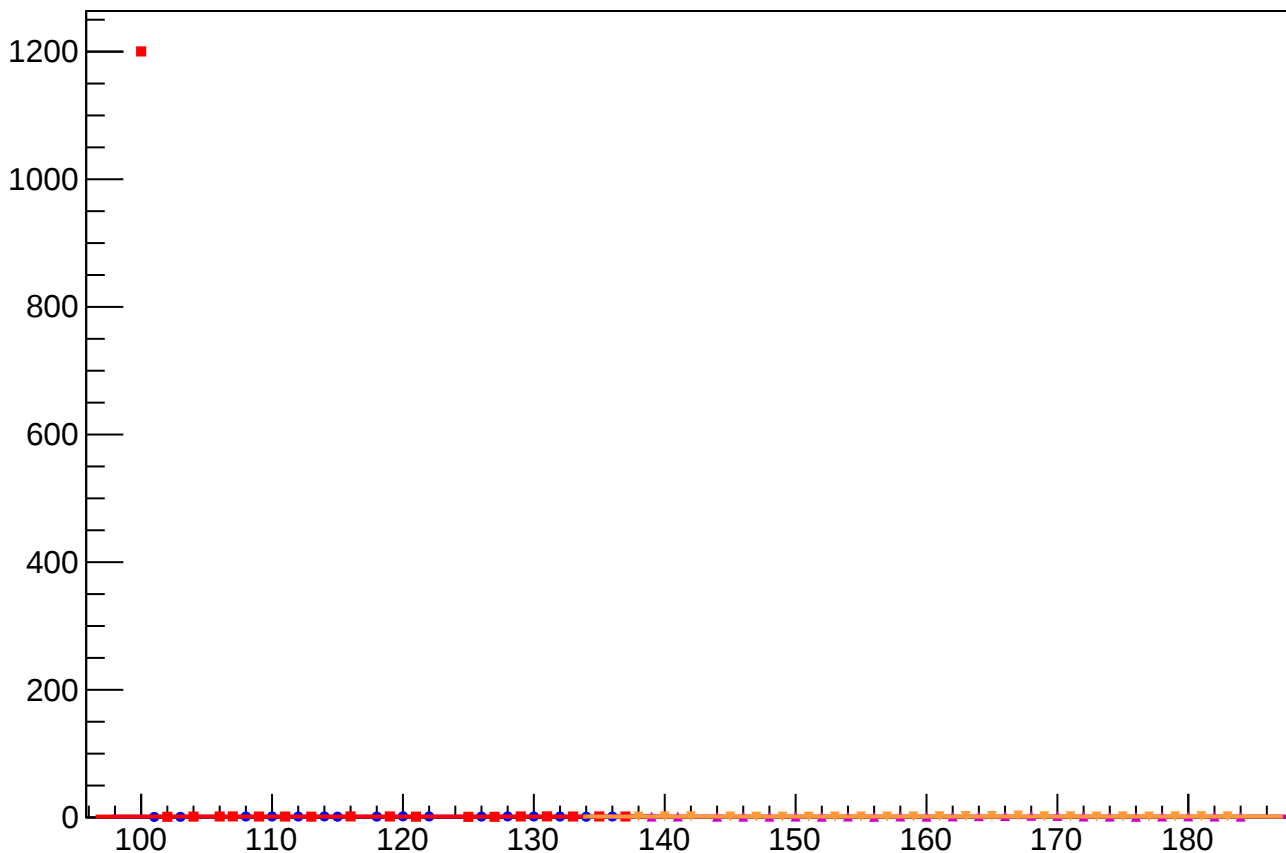
Right: 0.629 ± 0.382 χ^2/NDF : 25.9/33

In: 0.266 ± 0.315 χ^2/NDF : 34.4/38

Out: -0.193 ± 0.320 χ^2/NDF : 34.5/40

All: 0.040 ± 0.224 χ^2/NDF : 70.0/79

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.468+/-0.000 χ^2/NDF : 1147170.7/22

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: 1.464+/-0.000 χ^2/NDF : 2195984.9/45

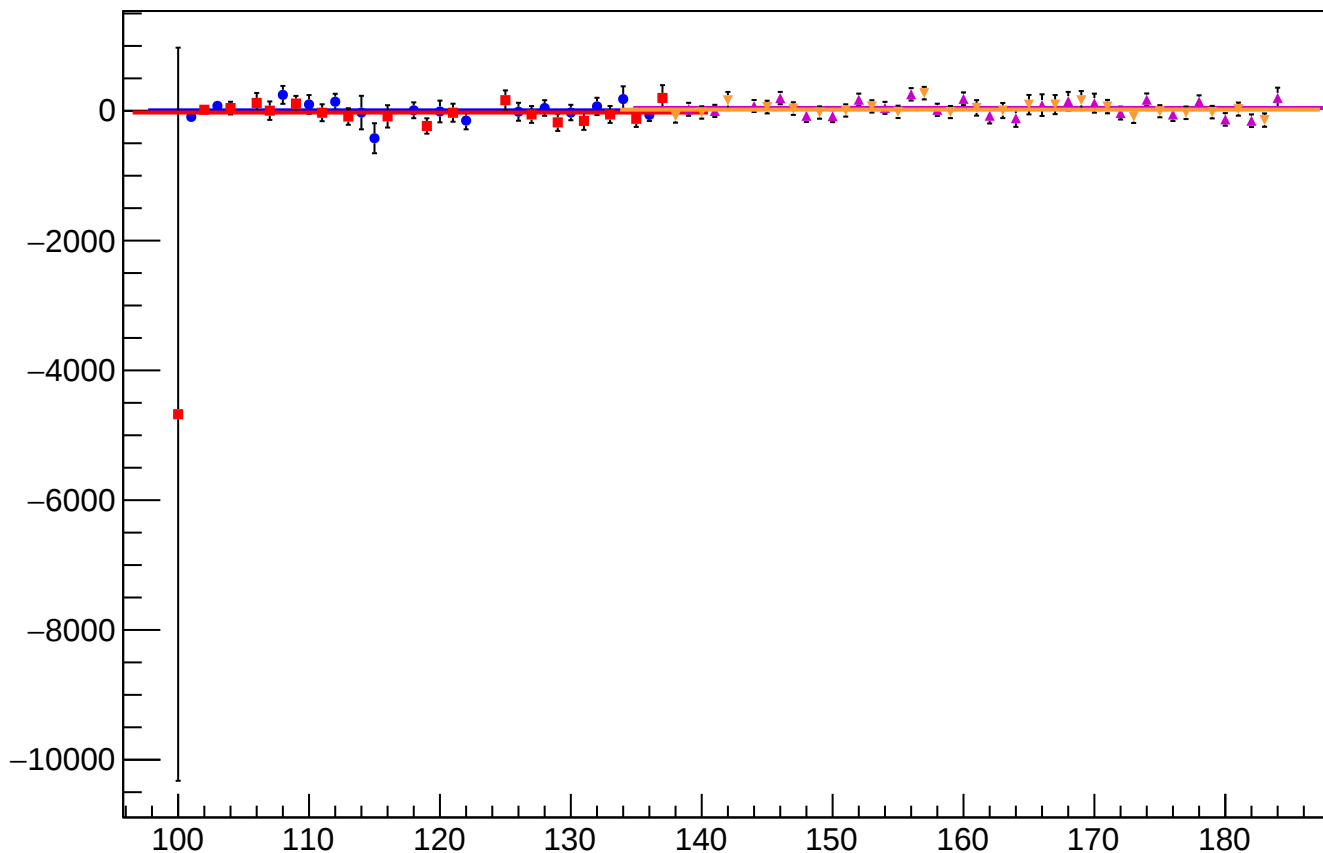
Right: 1.273+/-0.000 χ^2/NDF : 1166063.6/33

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

Out: 1.416+/-0.000 χ^2/NDF : 1766039.2/40

All: 1.398+/-0.000 χ^2/NDF : 3691507.0/79

asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 18.317 ± 21.657 χ^2/NDF : 16.1/22

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: 31.145 ± 15.294 χ^2/NDF : 47.9/45

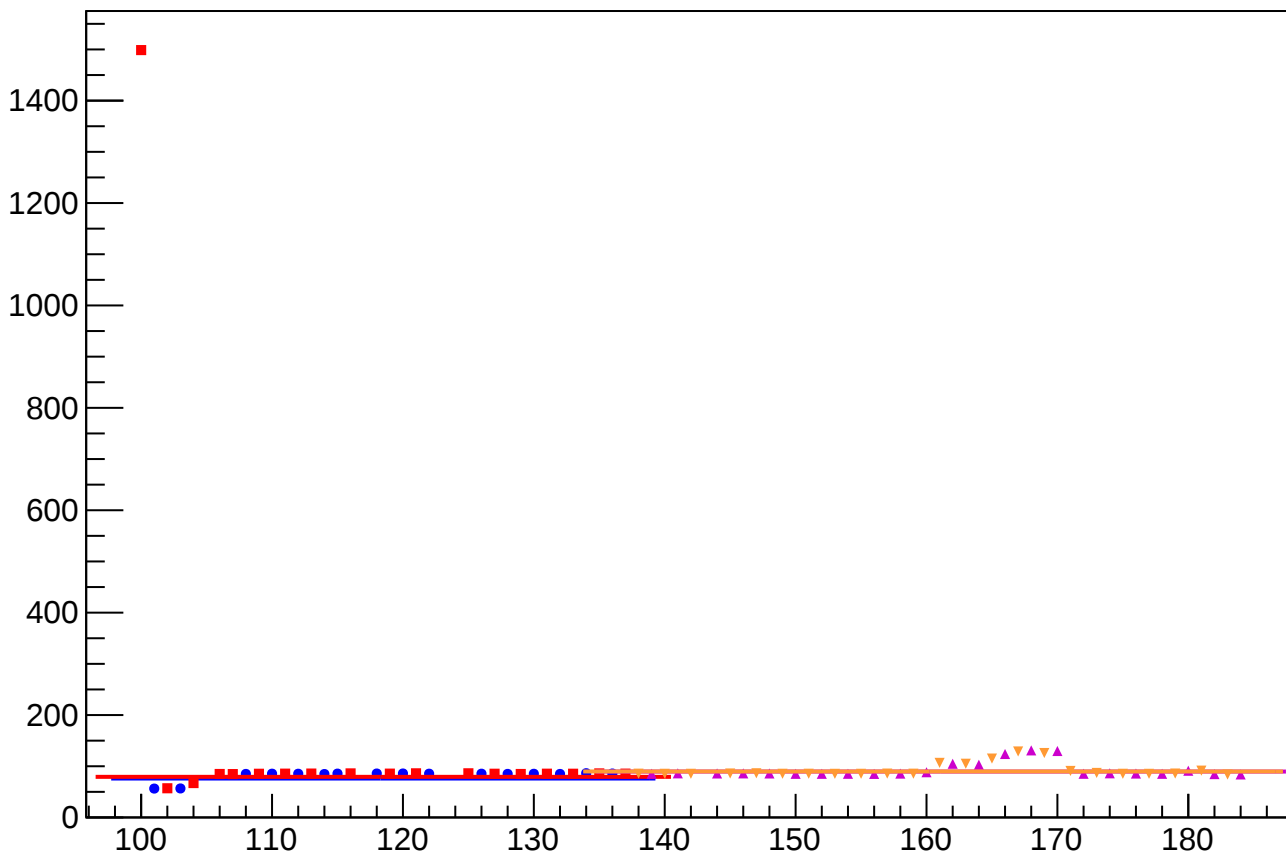
Right: -9.231 ± 21.389 χ^2/NDF : 27.5/33

In: 31.455 ± 17.533 χ^2/NDF : 46.0/38

Out: 3.321 ± 17.655 χ^2/NDF : 30.5/40

All: 17.485 ± 12.441 χ^2/NDF : 77.8/79

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 89.831+/-0.015 χ^2/NDF : 463664.9/22

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: 89.743+/-0.011 χ^2/NDF : 975580.4/45

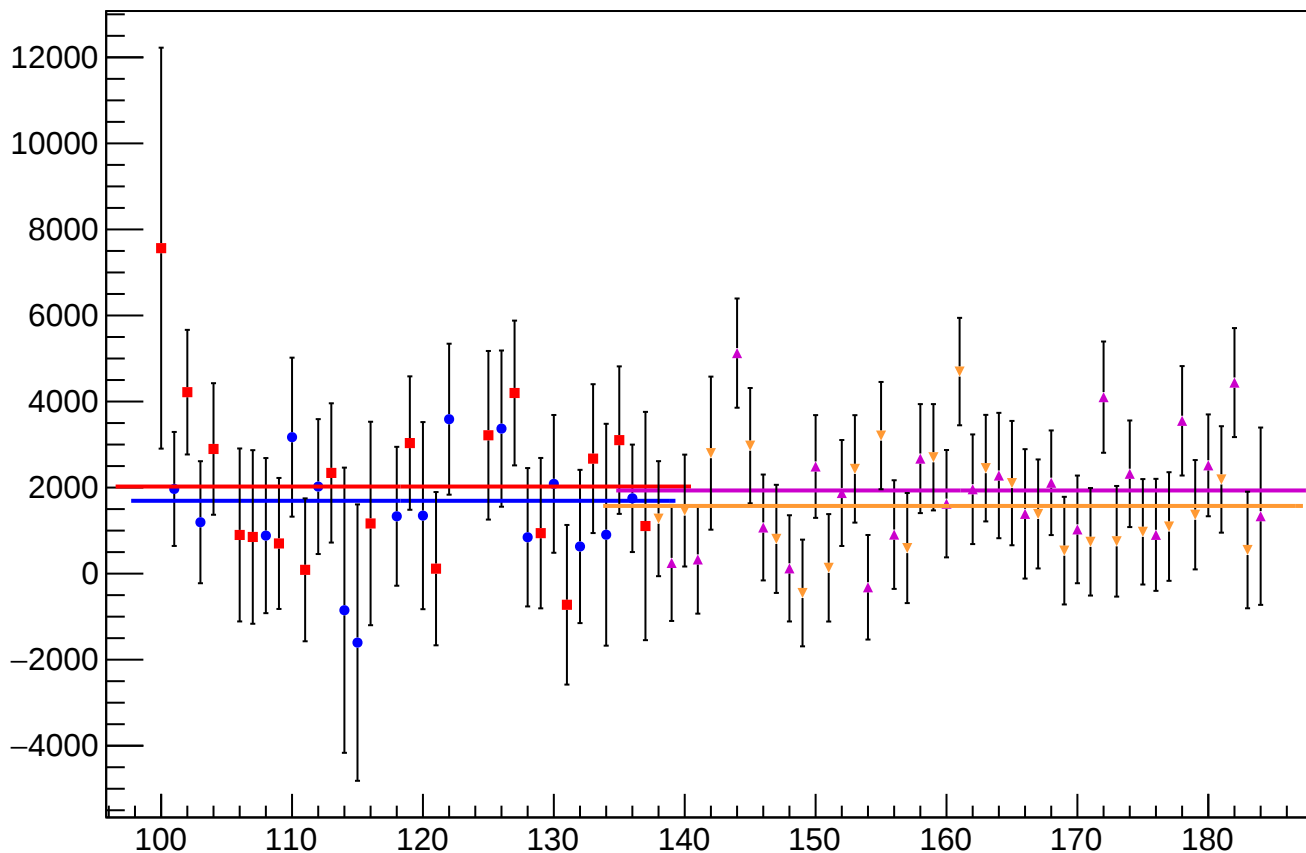
Right: 77.647+/-0.015 χ^2/NDF : 807581.4/33

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

Out: 86.305+/-0.012 χ^2/NDF : 1009085.7/40

All: 85.650+/-0.009 χ^2/NDF : 2206403.1/79

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1573.281 $\pm$ 268.315 χ^2 /NDF:19.3/22

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: 1753.347 $\pm$ 189.618 χ^2 /NDF: 47.2/45

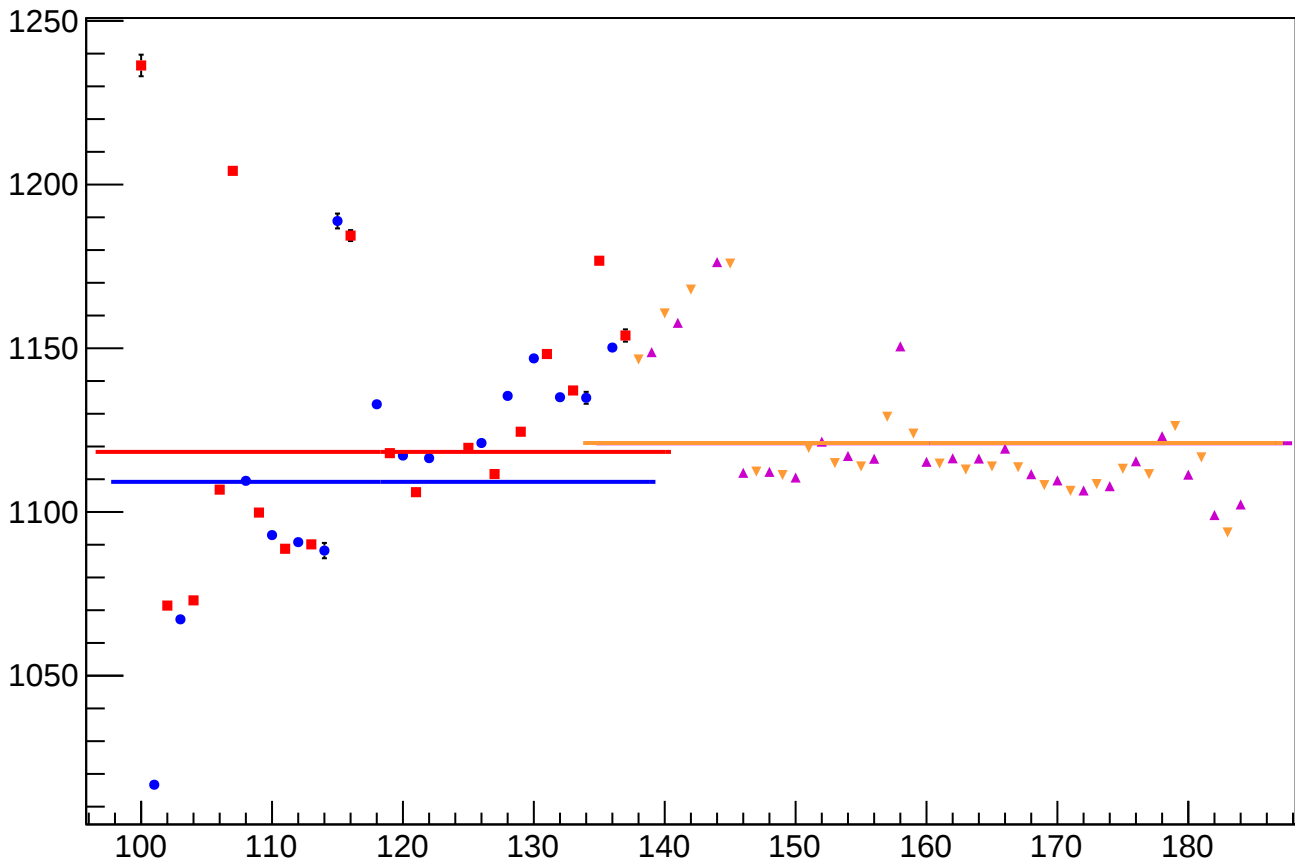
Right: 1861.645 $\pm$ 302.244 χ^2 /NDF: 19.7/33

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

Out: 1702.465 $\pm$ 226.643 χ^2 /NDF:33.9/40

All: 1783.933 $\pm$ 160.625 χ^2 /NDF: 67.0/79

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1109.203 $\pm$ 0.305 χ^2 /NDF: 18241.7/15

Left Out: 1121.073 $\pm$ 0.190 χ^2 /NDF:9737.4/22

Right Out: 1118.351 $\pm$ 0.299 χ^2 /NDF: 15519.6/17

Left In: 1120.991 $\pm$ 0.190 χ^2 /NDF:9641.8/22

Left: 1121.032 $\pm$ 0.134 χ^2 /NDF: 19379.2/45

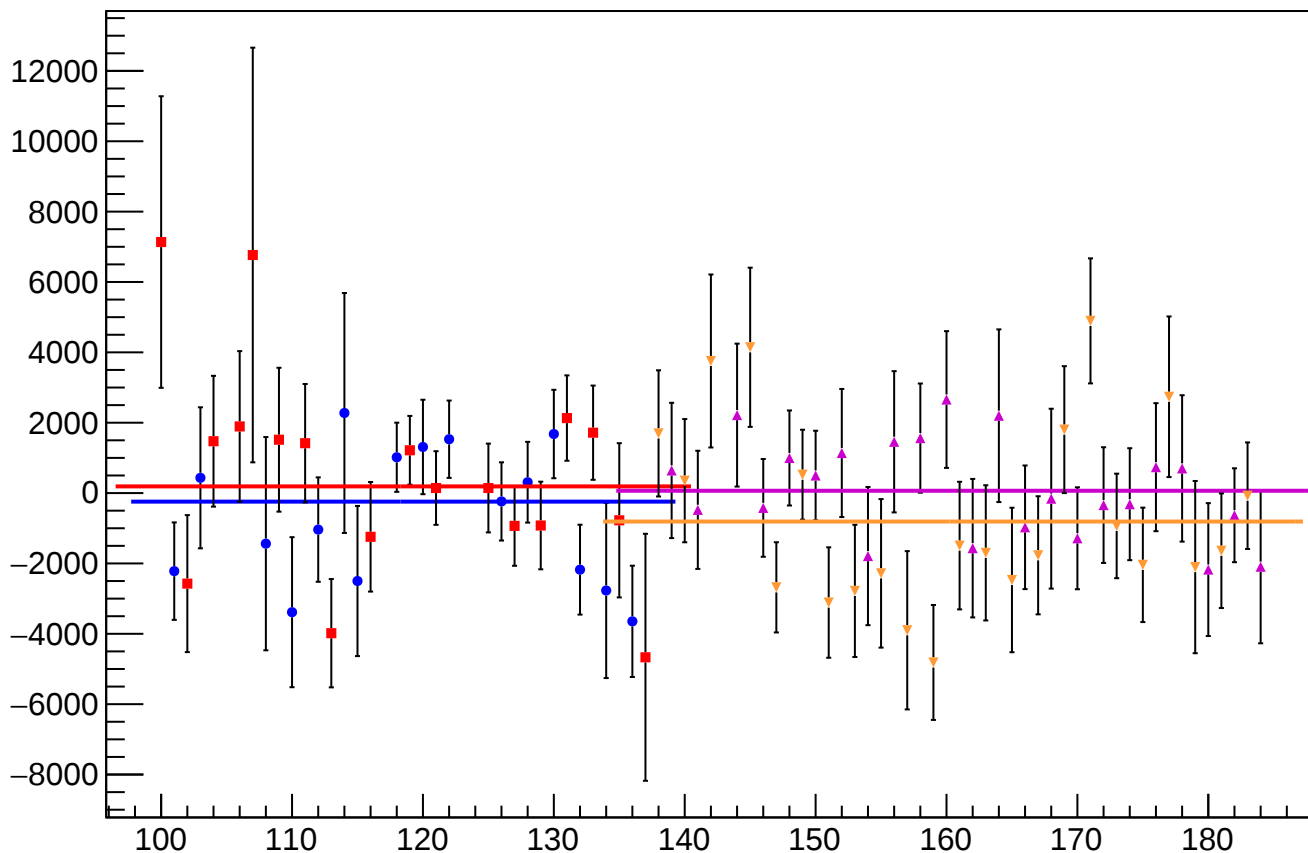
Right: 1113.864 $\pm$ 0.214 χ^2 /NDF: 34219.3/33

In: 1117.710 $\pm$ 0.161 χ^2 /NDF:28960.3/38

Out: 1120.293 $\pm$ 0.160 χ^2 /NDF:25316.0/40

All: 1119.008 $\pm$ 0.114 χ^2 /NDF: 54405.6/79

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -242.985+/-361.487 χ^2/NDF : 22.5/15

Left Out: -809.002+/-365.191 χ^2/NDF : 43.0/22

Right Out: 189.815+/-357.555 χ^2/NDF : 25.2/17

Left In: 65.738+/-358.785 χ^2/NDF : 12.1/22

Left: -363.893+/-255.934 χ^2/NDF : 58.0/45

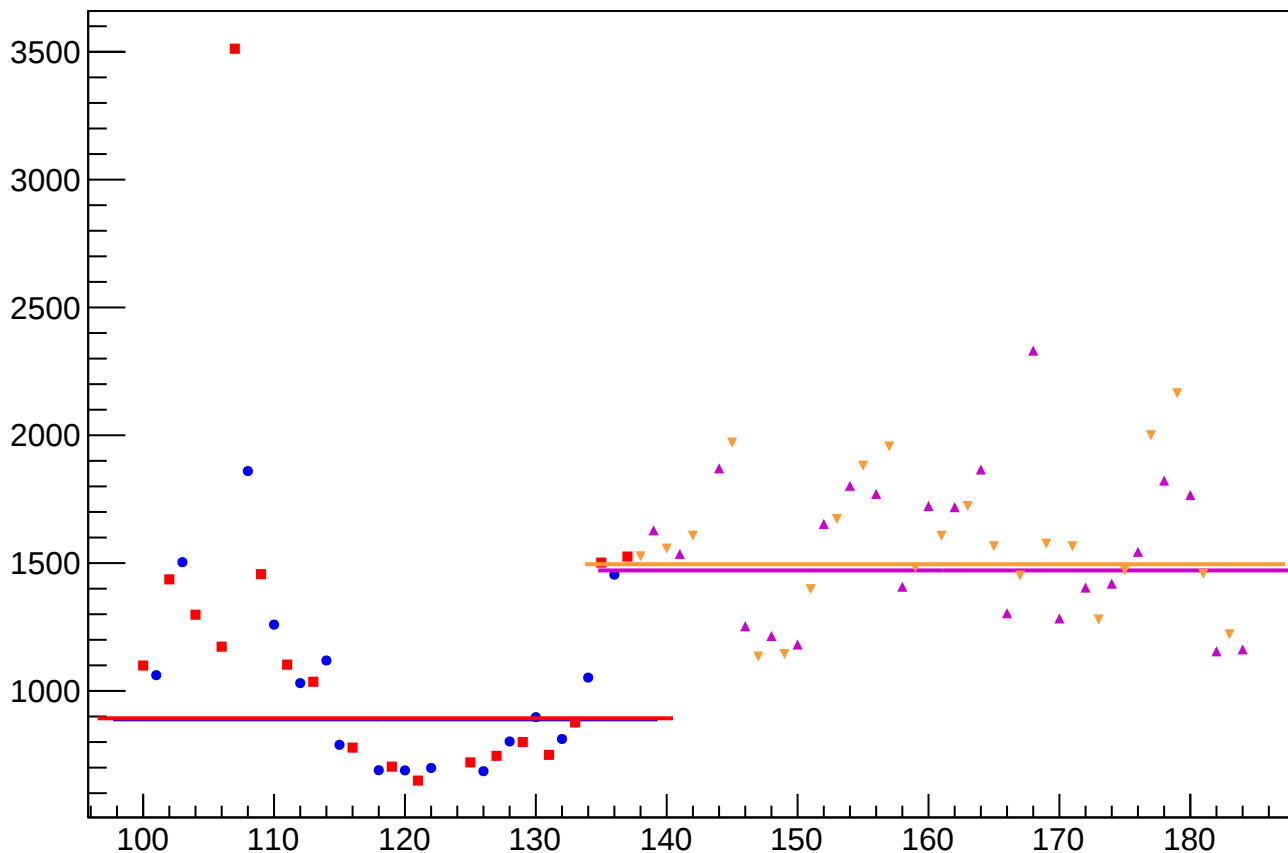
Right: -24.219+/-254.208 χ^2/NDF : 48.4/33

In: -87.466+/-254.649 χ^2/NDF : 35.0/38

Out: -299.042+/-255.487 χ^2/NDF : 72.0/40

All: -192.907+/-180.360 χ^2/NDF : 107.4/79

asym_usl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1495.586+/-0.258 χ^2/NDF : 984103.4/22

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: 1483.276+/-0.181 χ^2/NDF : 2093879.9/45

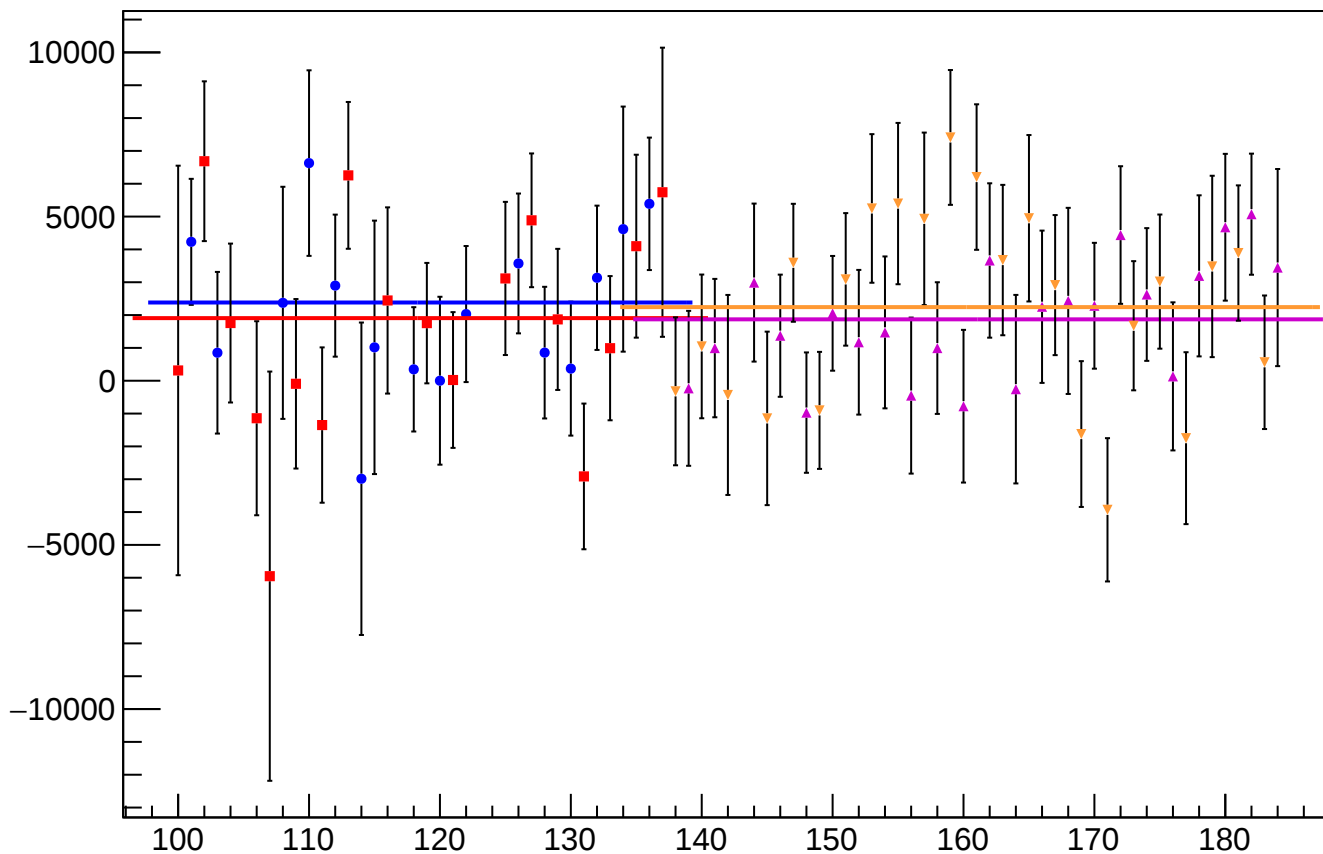
Right: 890.914+/-0.180 χ^2/NDF : 2461926.4/33

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

Out: 1187.914+/-0.181 χ^2/NDF : 5173710.0/40

All: 1185.091+/-0.128 χ^2/NDF : 9948996.0/79

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2242.265 $\pm$ 461.019 χ^2 /NDF:38.6/22

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: 2053.771 $\pm$ 324.008 χ^2 /NDF: 53.8/45

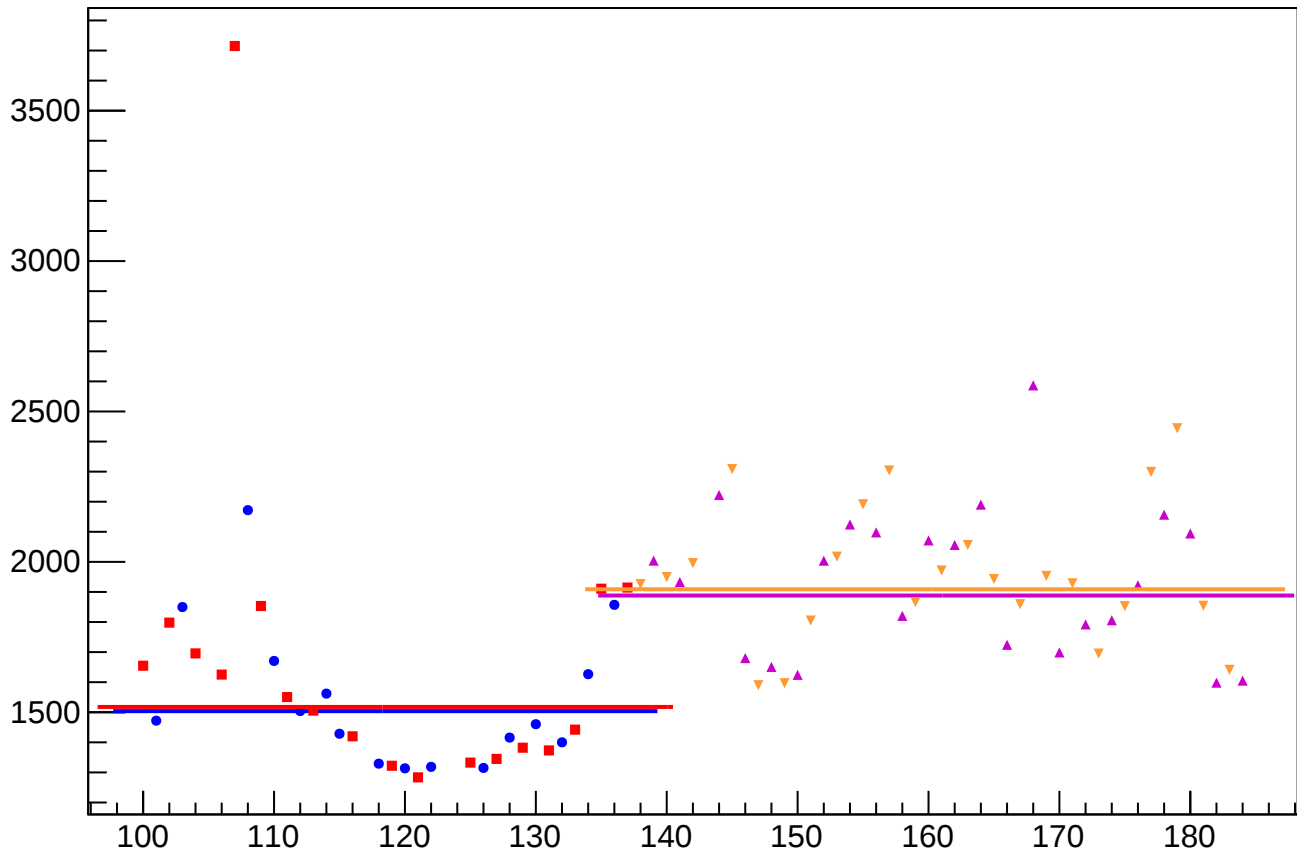
Right: 2142.479 $\pm$ 415.641 χ^2 /NDF: 34.4/33

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

Out: 2113.758 $\pm$ 362.083 χ^2 /NDF:61.2/40

All: 2087.302 $\pm$ 255.538 χ^2 /NDF: 88.2/79

asym_usl_rms vs Slug, Sign Corrected



Right In: 1503.676 $\pm$ 0.418 χ^2 /NDF: 252138.4/15

Left Out: 1908.910 $\pm$ 0.326 χ^2 /NDF: 448159.2/22

Right Out: 1517.693 $\pm$ 0.414 χ^2 /NDF: 476469.5/17

Left In: 1888.121 $\pm$ 0.322 χ^2 /NDF: 504568.6/22

Left: 1898.390 $\pm$ 0.229 χ^2 /NDF: 954786.0/45

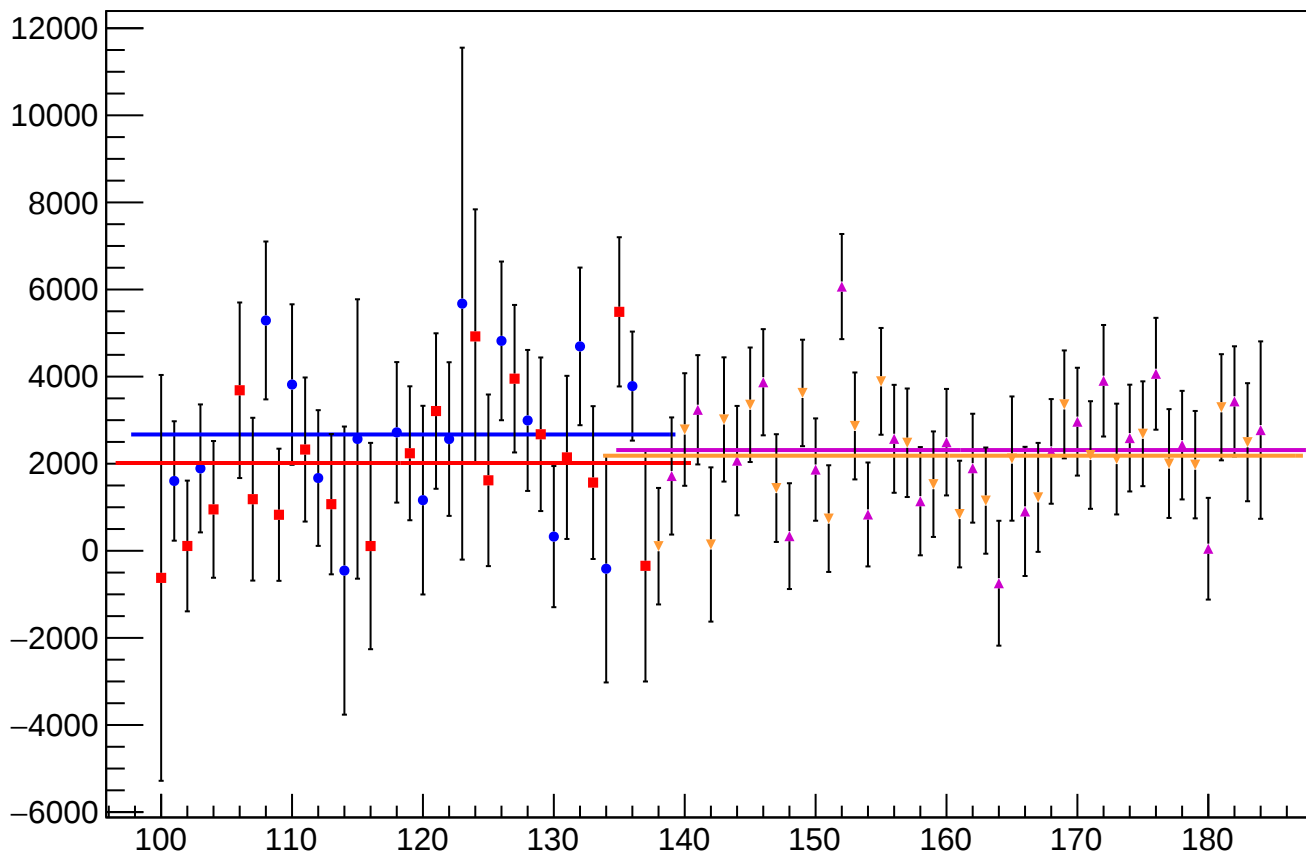
Right: 1510.753 $\pm$ 0.294 χ^2 /NDF: 729176.4/33

In: 1744.778 $\pm$ 0.255 χ^2 /NDF: 1287998.4/38

Out: 1759.015 $\pm$ 0.256 χ^2 /NDF: 1476450.3/40

All: 1751.869 $\pm$ 0.181 χ^2 /NDF: 2766000.7/79

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2183.731 $\pm$ 260.038 χ^2 /NDF:15.3/23

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: 2247.531 $\pm$ 185.408 χ^2 /NDF: 46.7/46

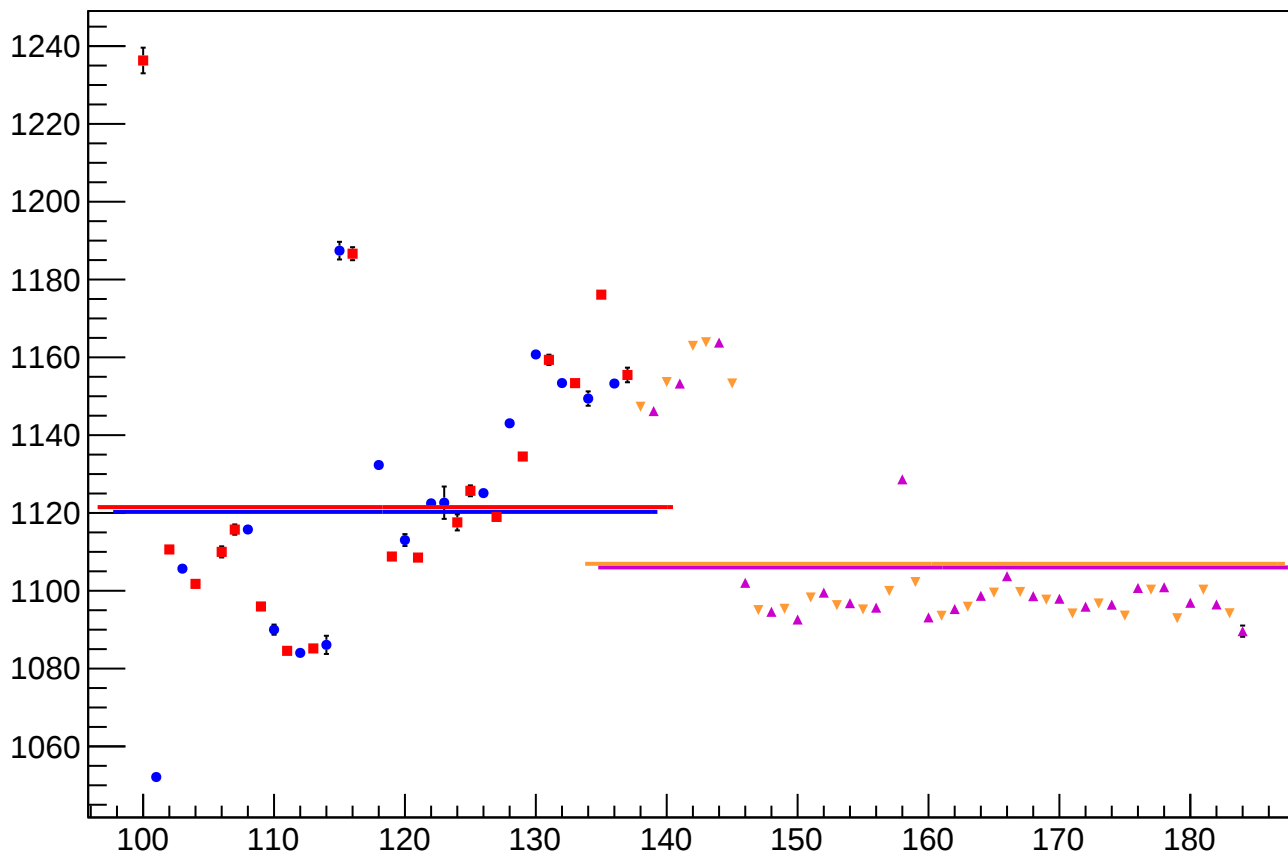
Right: 2332.714 $\pm$ 302.058 χ^2 /NDF: 26.4/35

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

Out: 2137.338 $\pm$ 221.114 χ^2 /NDF:28.3/42

All: 2270.843 $\pm$ 158.015 χ^2 /NDF: 73.2/82

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1106.934 $\pm$ 0.184 χ^2 /NDF:14769.0/23

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: 1106.473 $\pm$ 0.131 χ^2 /NDF: 26333.1/46

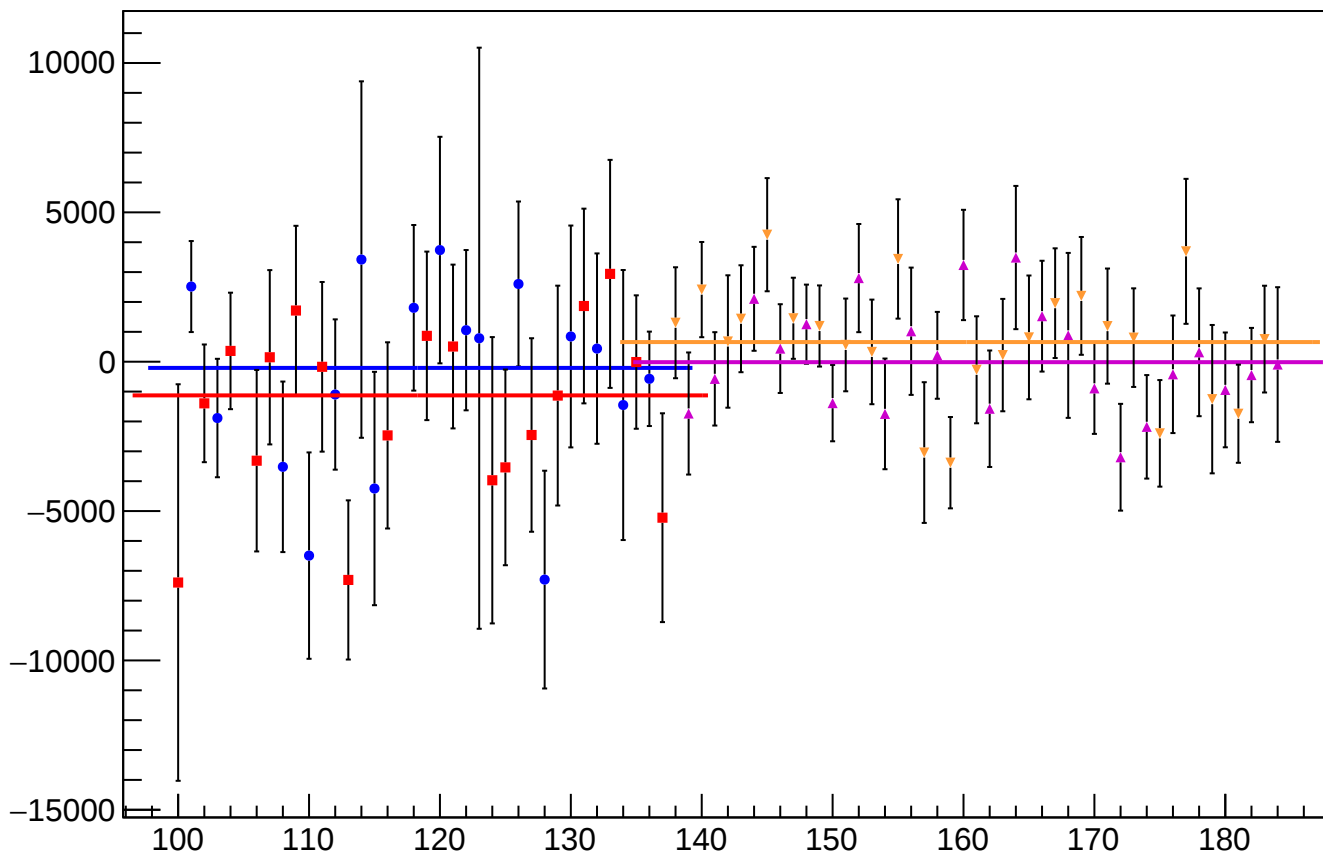
Right: 1120.913 $\pm$ 0.214 χ^2 /NDF: 21985.9/35

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

Out: 1110.970 $\pm$ 0.156 χ^2 /NDF:26523.8/42

All: 1110.425 $\pm$ 0.112 χ^2 /NDF: 51639.0/82

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: -207.352 $\pm$ 656.632 χ^2/NDF : 17.0/16

Left Out: 657.654 $\pm$ 364.912 χ^2/NDF : 25.8/23

Right Out: -1127.444 $\pm$ 663.569 χ^2/NDF : 14.4/18

Left In: -15.520 $\pm$ 366.854 χ^2/NDF : 20.1/22

Left: 322.854 $\pm$ 258.716 χ^2/NDF : 47.7/46

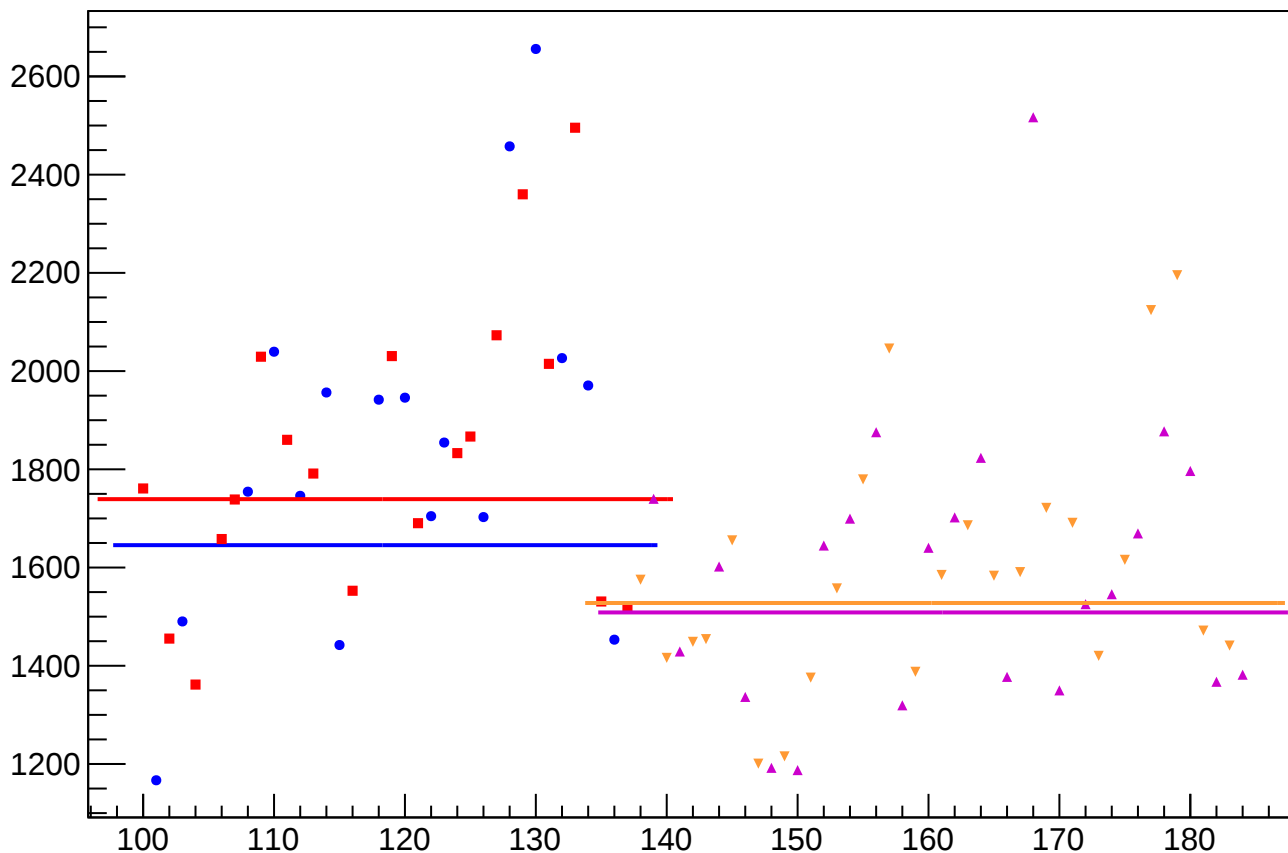
Right: -662.564 $\pm$ 466.742 χ^2/NDF : 32.4/35

In: -61.154 $\pm$ 320.261 χ^2/NDF : 37.3/39

Out: 243.163 $\pm$ 319.752 χ^2/NDF : 45.8/42

All: 91.247 $\pm$ 226.279 χ^2/NDF : 83.5/82

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 1645.579 $\pm$ 0.464 χ^2 /NDF: 606697.8/16

Left Out: 1527.824 $\pm$ 0.258 χ^2 /NDF: 752257.2/23

Right Out: 1739.254 $\pm$ 0.469 χ^2 /NDF: 372578.2/18

Left In: 1508.581 $\pm$ 0.259 χ^2 /NDF: 931684.8/22

Left: 1518.254 $\pm$ 0.183 χ^2 /NDF: 1686708.0/46

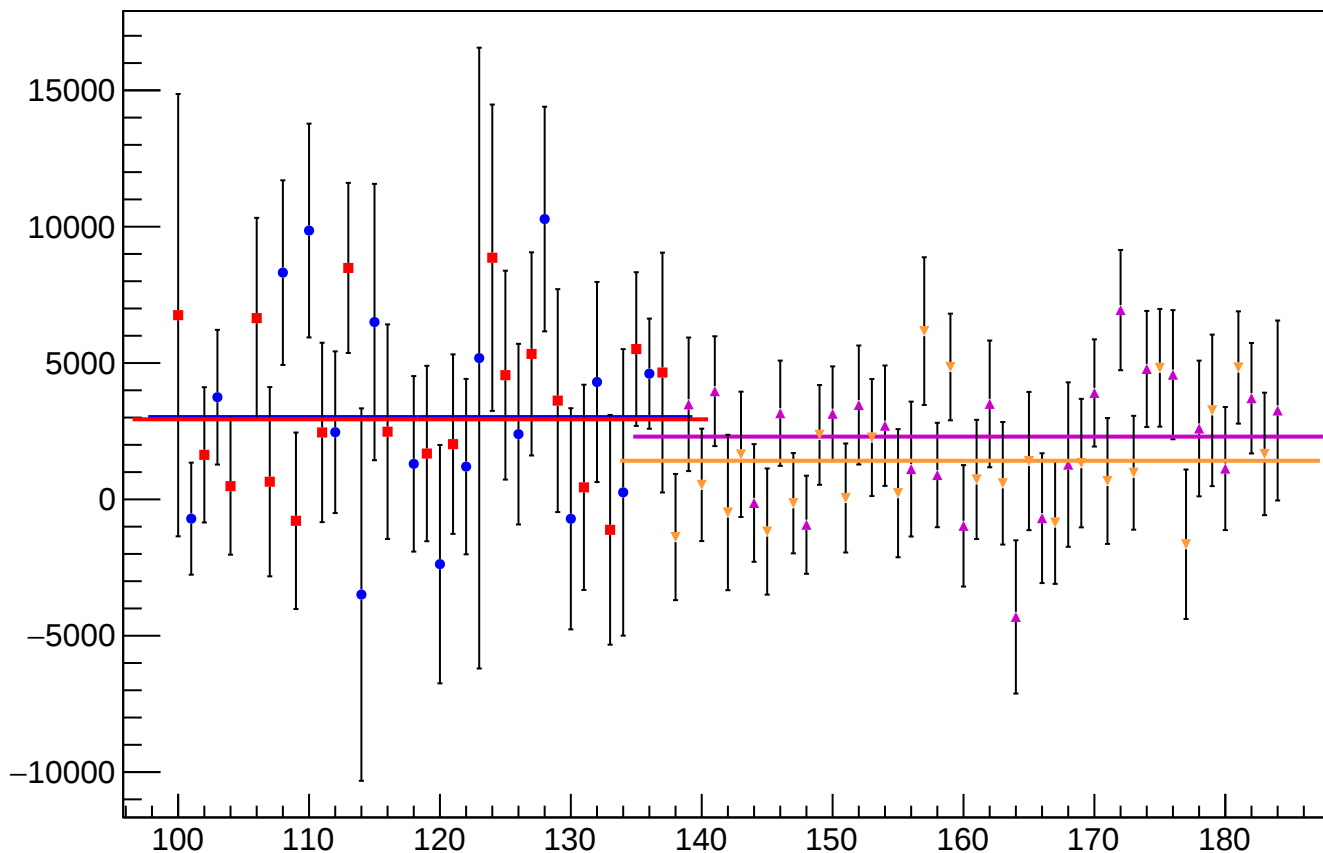
Right: 1691.924 $\pm$ 0.330 χ^2 /NDF: 999414.1/35

In: 1541.170 $\pm$ 0.226 χ^2 /NDF: 1604731.6/39

Out: 1576.917 $\pm$ 0.226 χ^2 /NDF: 1280734.1/42

All: 1559.072 $\pm$ 0.160 χ^2 /NDF: 2897943.9/82

asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 1416.357 $\pm$ 454.882 χ^2/NDF : 19.8/23

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: 1854.777 $\pm$ 323.110 χ^2/NDF : 46.4/46

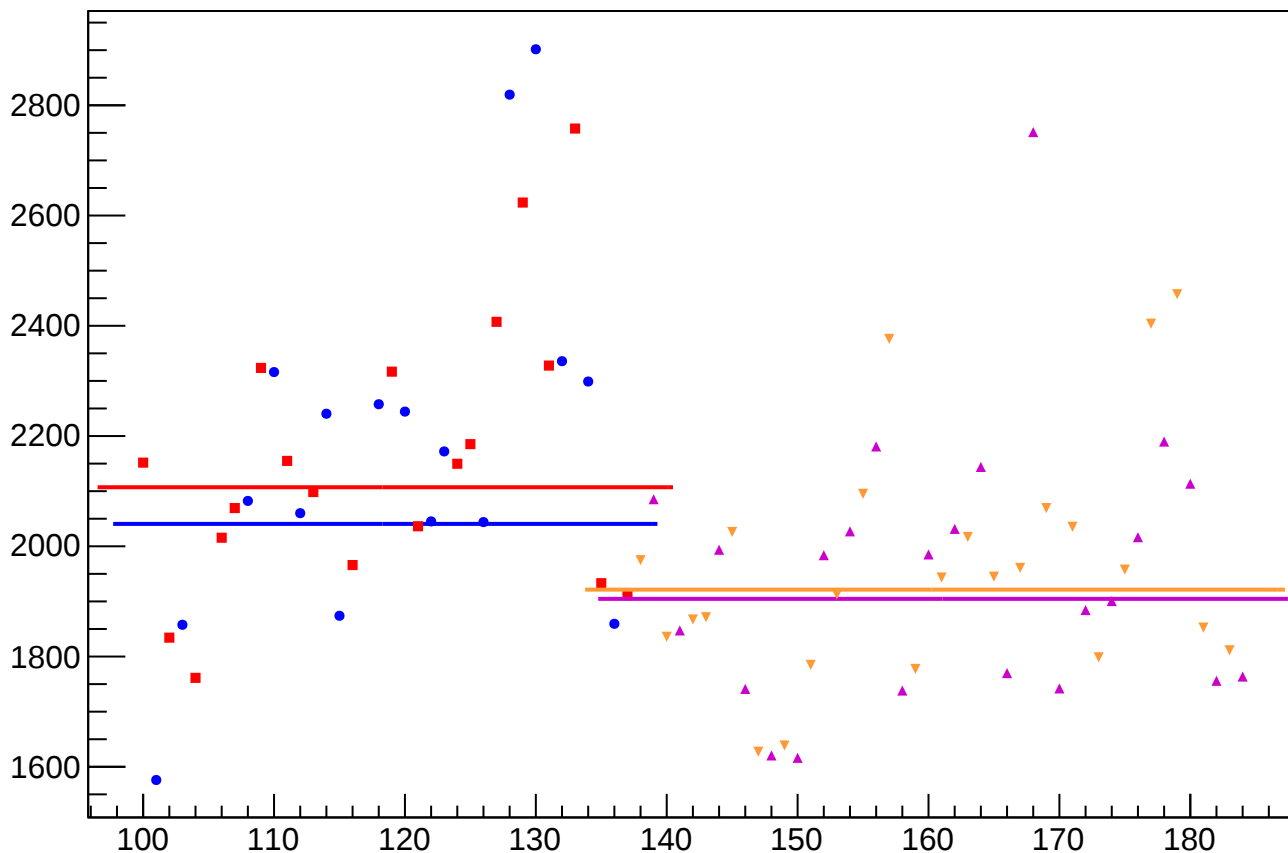
Right: 2977.178 $\pm$ 566.082 χ^2/NDF : 29.2/35

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

Out: 1789.778 $\pm$ 395.084 χ^2/NDF : 34.2/42

All: 2130.590 $\pm$ 280.616 χ^2/NDF : 78.6/82

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1921.381+/-0.322 χ^2/NDF : 365051.9/23

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: 1913.081+/-0.228 χ^2/NDF : 813746.6/46

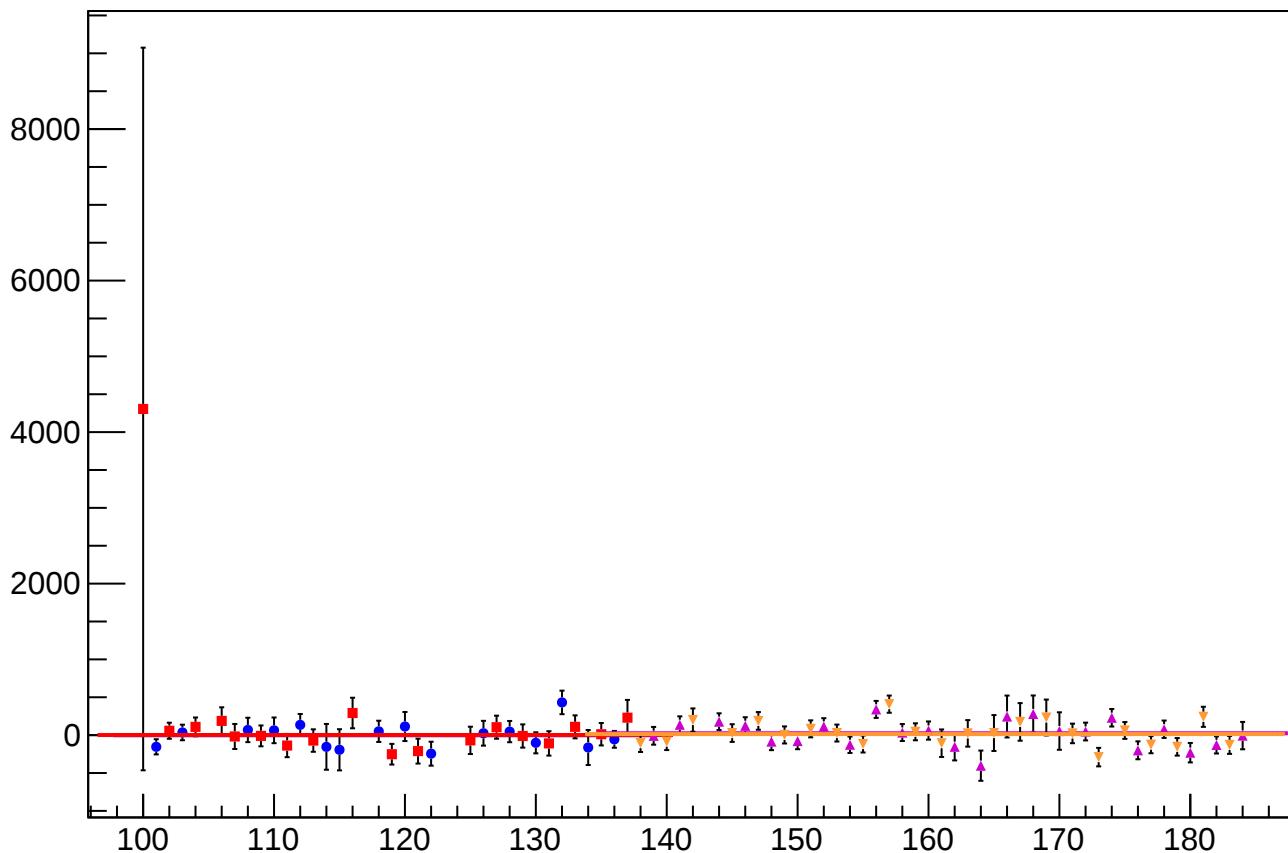
Right: 2074.162+/-0.400 χ^2/NDF : 540469.2/35

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

Out: 1967.006+/-0.279 χ^2/NDF : 643968.3/42

All: 1952.664+/-0.198 χ^2/NDF : 1476363.0/82

reg_asym_dsl_mean vs Slug, Sign Corrected



Right In: -0.770 ± 36.771 χ^2/NDF : 16.5/15

Left Out: 13.785 ± 26.510 χ^2/NDF : 35.7/22

Right Out: 1.460 ± 36.756 χ^2/NDF : 13.8/17

Left In: 24.786 ± 26.343 χ^2/NDF : 36.4/22

Left: 19.320 ± 18.686 χ^2/NDF : 72.2/45

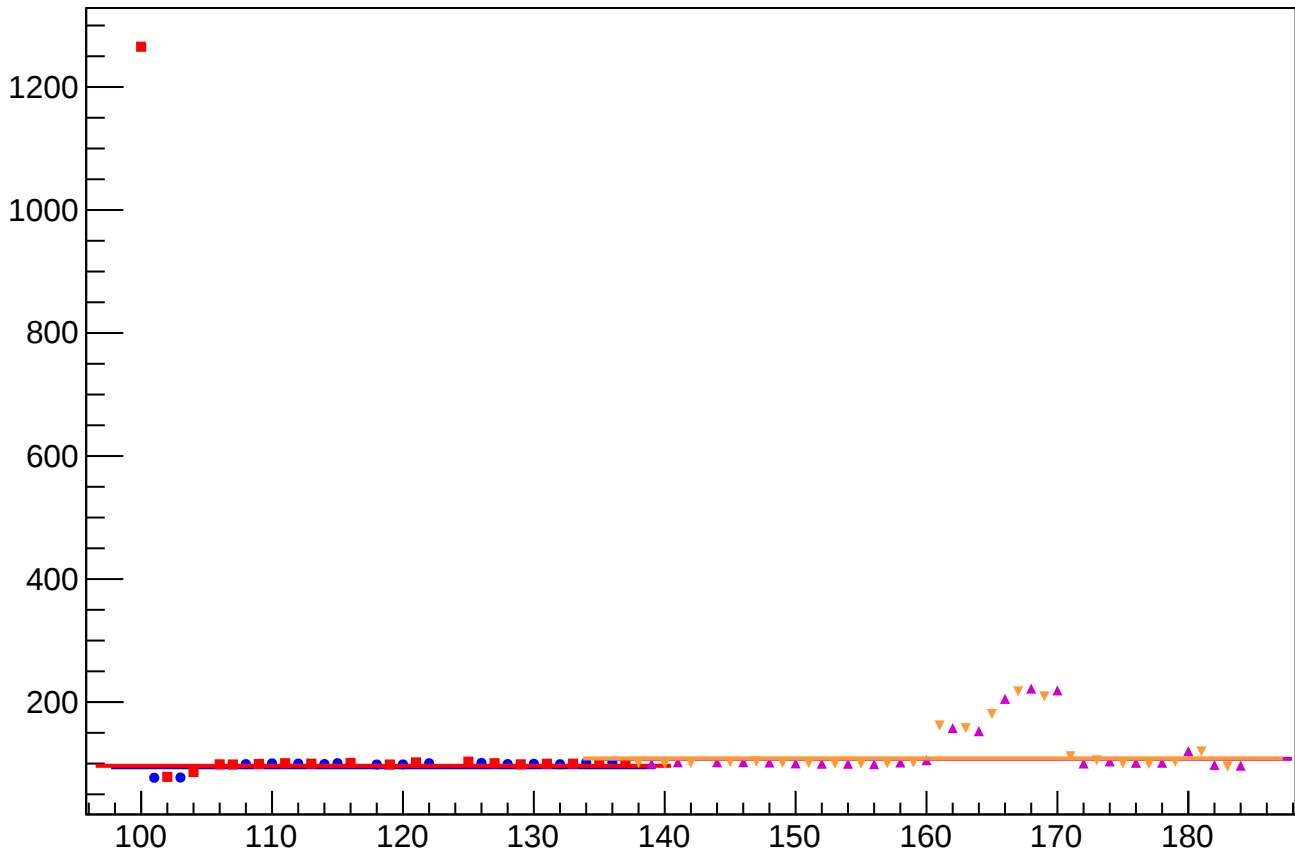
Right: 0.345 ± 25.996 χ^2/NDF : 30.3/33

In: 16.118 ± 21.415 χ^2/NDF : 53.2/38

Out: 9.567 ± 21.501 χ^2/NDF : 49.5/40

All: 12.856 ± 15.173 χ^2/NDF : 102.8/79

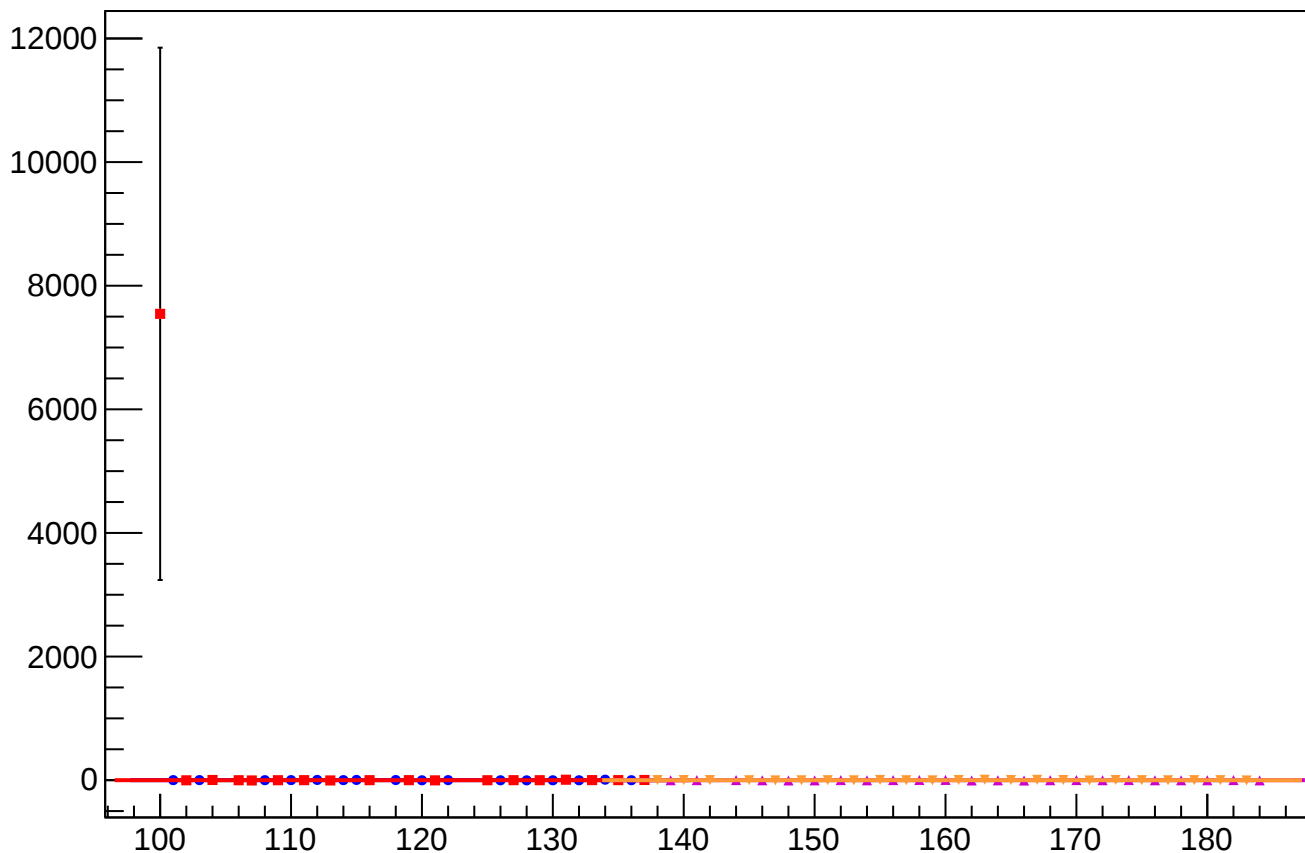
reg_asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.047 $\pm$ 0.026 χ^2 /NDF: 152068.3/15
Left Out: 108.284 $\pm$ 0.019 χ^2 /NDF: 1427322.6/22
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: 107.976 $\pm$ 0.013 χ^2 /NDF: 2918893.2/45
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: 104.203 $\pm$ 0.015 χ^2 /NDF: 1774940.4/40
All: 103.625 $\pm$ 0.011 χ^2 /NDF: 3602391.7/79

asym_dsl_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.568+/-0.478 χ^2/NDF : 30.4/22

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: -0.321+/-0.340 χ^2/NDF : 56.0/45

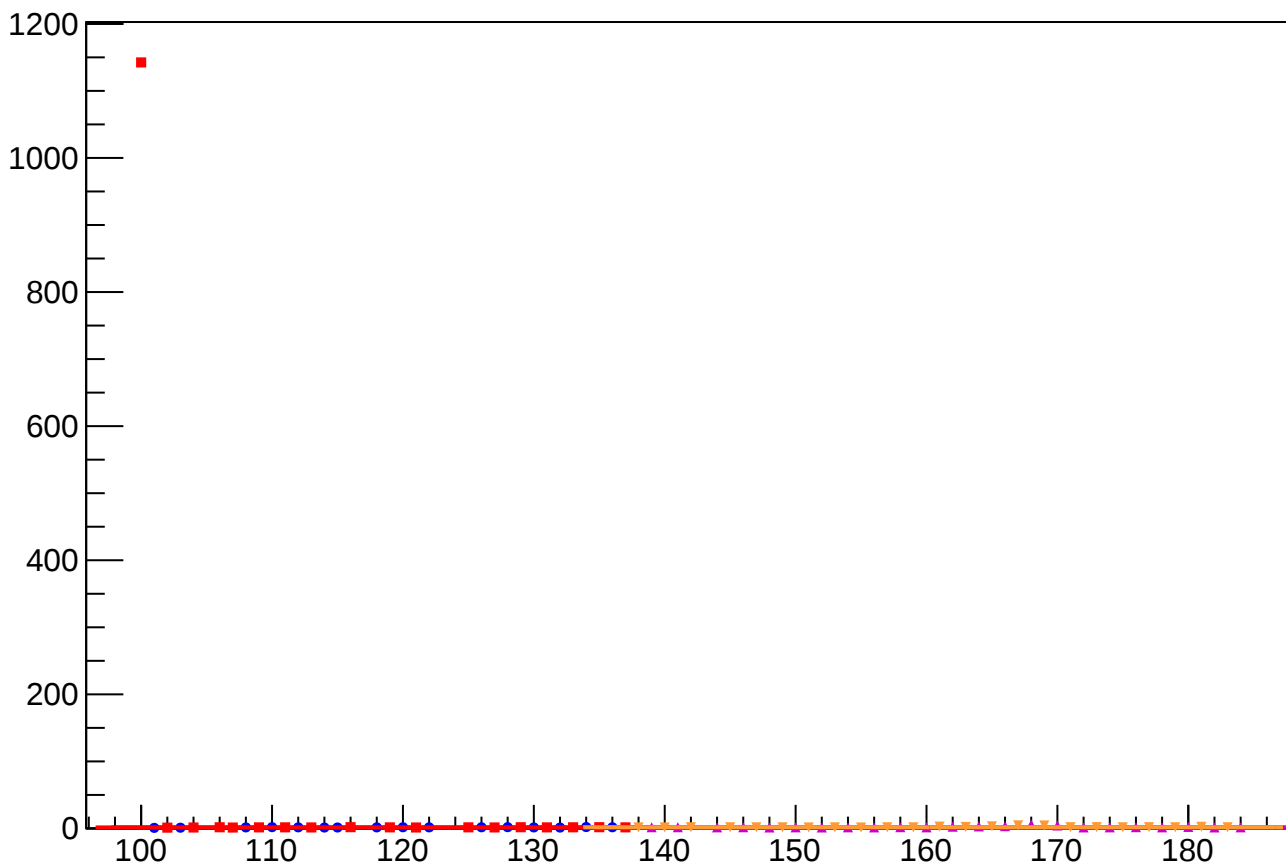
Right: 0.038+/-0.445 χ^2/NDF : 32.1/33

In: 0.107+/-0.381 χ^2/NDF : 35.7/38

Out: -0.489+/-0.384 χ^2/NDF : 51.5/40

All: -0.189+/-0.270 χ^2/NDF : 88.4/79

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.768+/-0.000 χ^2/NDF :1593441.7/22

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: 1.785+/-0.000 χ^2/NDF : 3519818.0/45

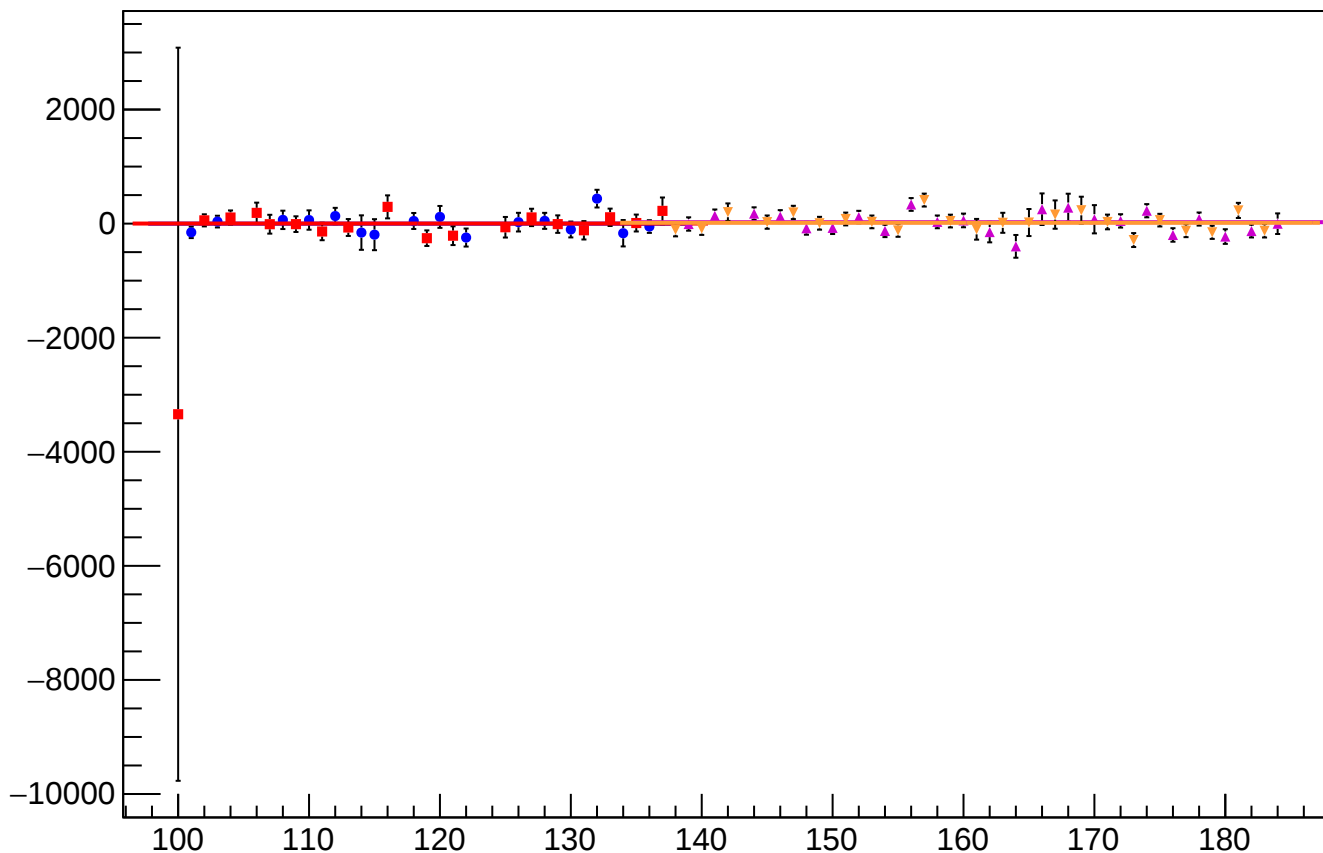
Right: 1.485+/-0.000 χ^2/NDF : 1073016.8/33

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

Out: 1.692+/-0.000 χ^2/NDF :2048770.1/40

All: 1.674+/-0.000 χ^2/NDF : 5167275.6/79

asym_dsl_mean vs Slug, Sign Corrected



Right In: -0.474 $\pm$ 36.781 χ^2/NDF : 16.7/15

Left Out: 14.457 $\pm$ 26.518 χ^2/NDF :35.5/22

Right Out: 1.223 $\pm$ 36.766 χ^2/NDF : 13.3/17

Left In: 25.312 $\pm$ 26.351 χ^2/NDF :35.7/22

Left: 19.919 $\pm$ 18.692 χ^2/NDF : 71.3/45

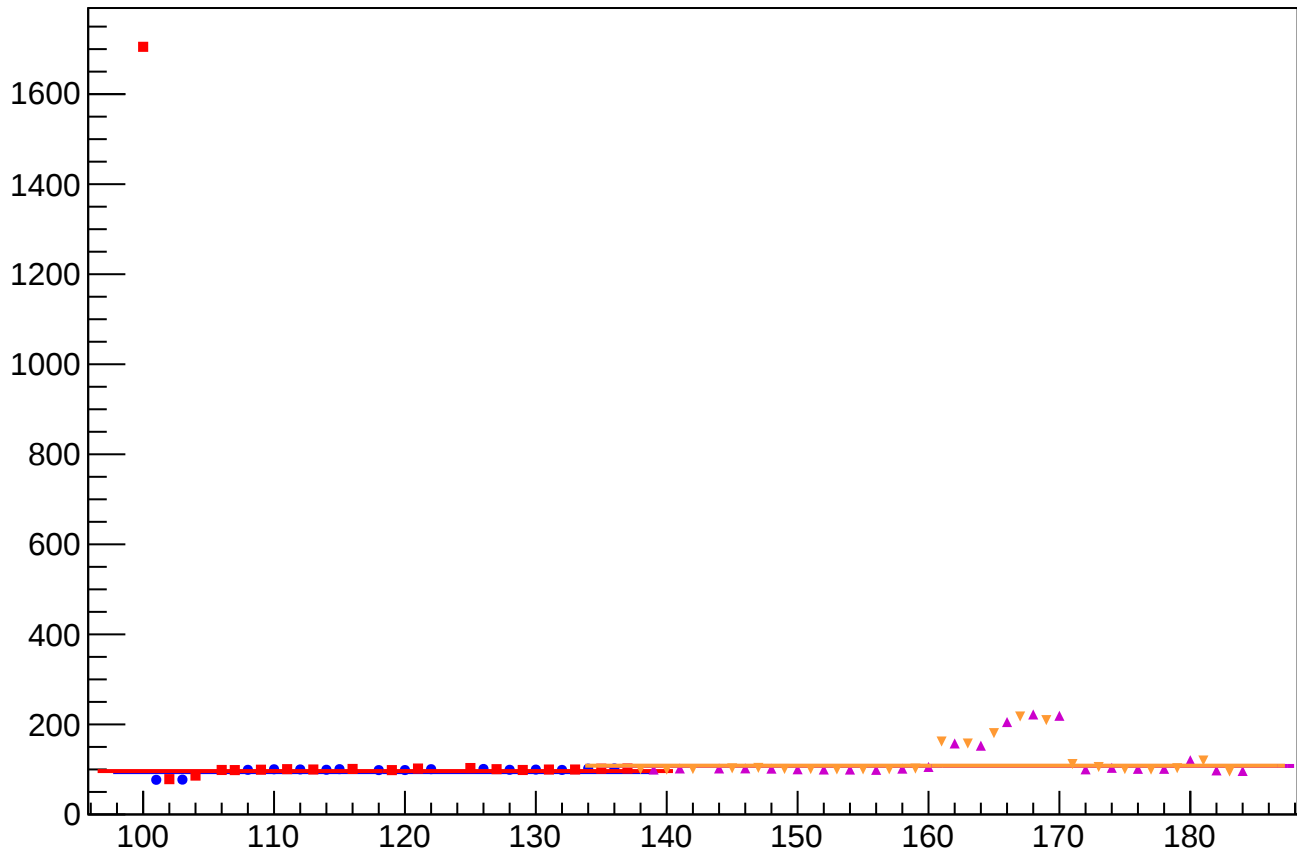
Right: 0.375 $\pm$ 26.003 χ^2/NDF : 30.0/33

In: 16.566 $\pm$ 21.421 χ^2/NDF :52.7/38

Out: 9.929 $\pm$ 21.507 χ^2/NDF :48.9/40

All: 13.260 $\pm$ 15.177 χ^2/NDF : 101.7/79

asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.071+/-0.026 χ^2/NDF : 152087.2/15

Left Out: 108.315+/-0.019 χ^2/NDF : 1428715.9/22

Right Out: 96.367+/-0.026 χ^2/NDF : 214243.8/17

Left In: 107.703+/-0.019 χ^2/NDF : 1492338.5/22

Left: 108.007+/-0.013 χ^2/NDF : 2921590.0/45

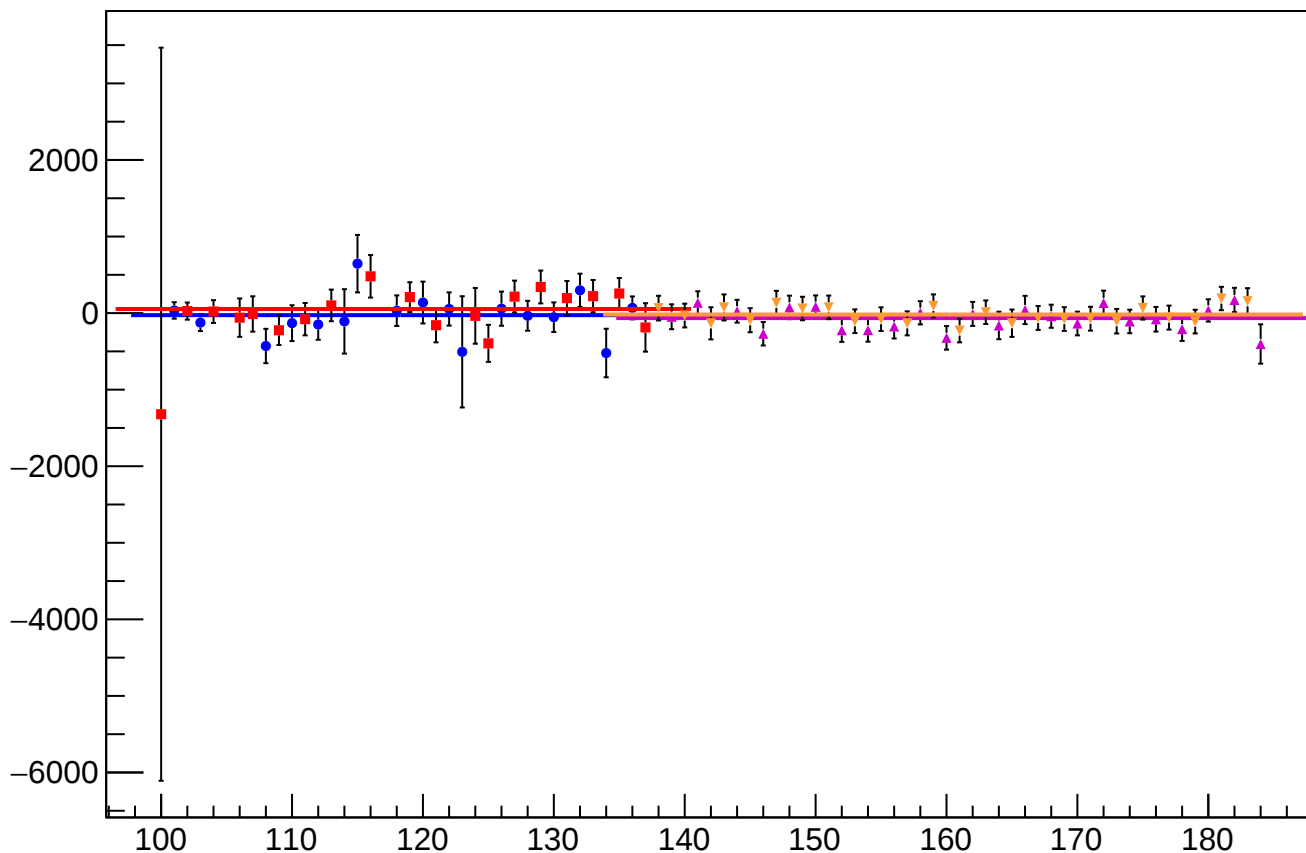
Right: 95.220+/-0.018 χ^2/NDF : 370227.5/33

In: 103.079+/-0.015 χ^2/NDF : 1825964.5/38

Out: 104.226+/-0.015 χ^2/NDF : 1781900.3/40

All: 103.651+/-0.011 χ^2/NDF : 3610720.0/79

reg_asym_dsr_mean vs Slug, Sign Corrected



Right In: -26.797 ± 46.841 χ^2/NDF : 14.4/16

Left Out: -18.540 ± 32.377 χ^2/NDF : 10.8/23

Right Out: 53.384 ± 47.775 χ^2/NDF : 15.4/18

Left In: -65.335 ± 32.944 χ^2/NDF : 19.3/22

Left: -41.531 ± 23.092 χ^2/NDF : 31.2/46

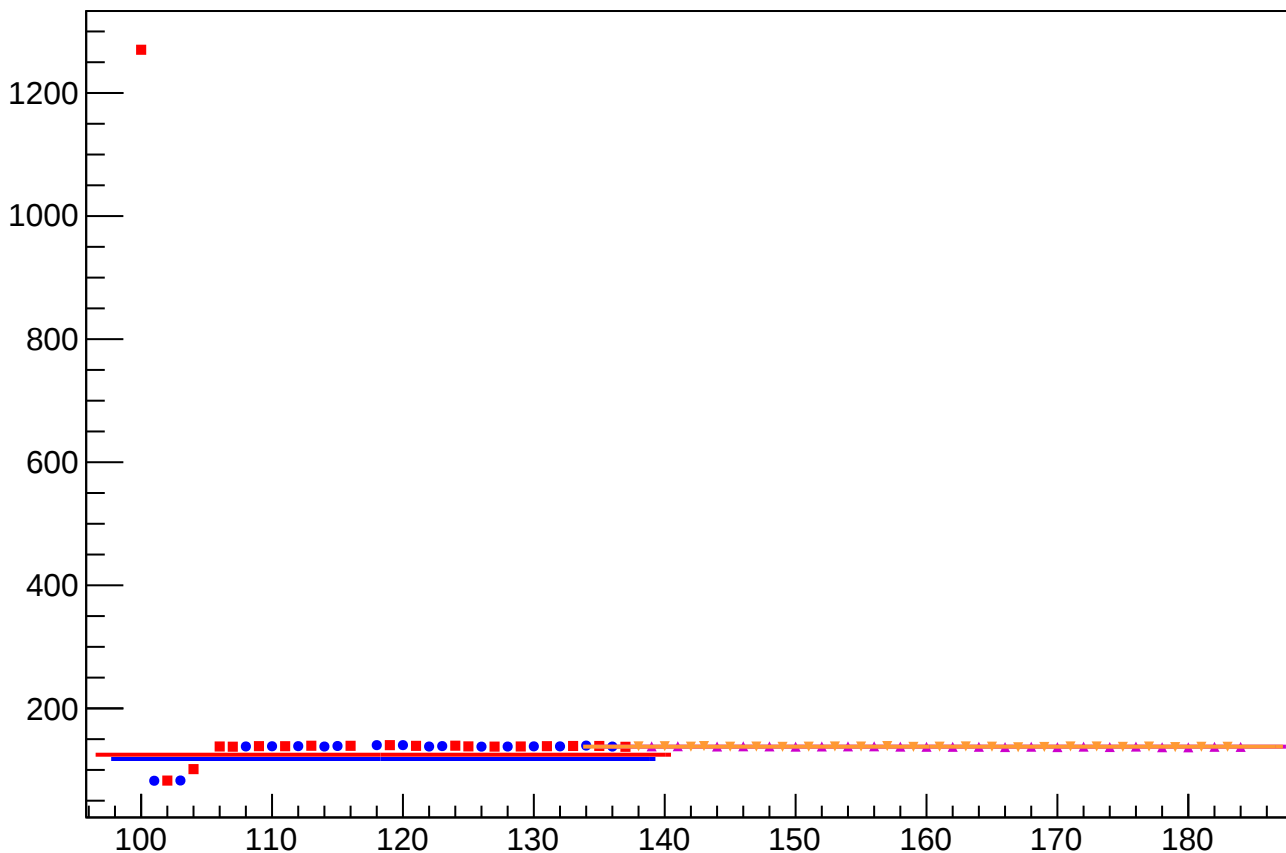
Right: 12.502 ± 33.447 χ^2/NDF : 31.3/35

In: -52.581 ± 26.947 χ^2/NDF : 34.2/39

Out: 4.096 ± 26.802 χ^2/NDF : 27.8/42

All: -24.090 ± 19.003 χ^2/NDF : 64.2/82

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 137.841 $\pm$ 0.023 χ^2 /NDF: 409.0/23

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: 137.823 $\pm$ 0.016 χ^2 /NDF: 870.6/46

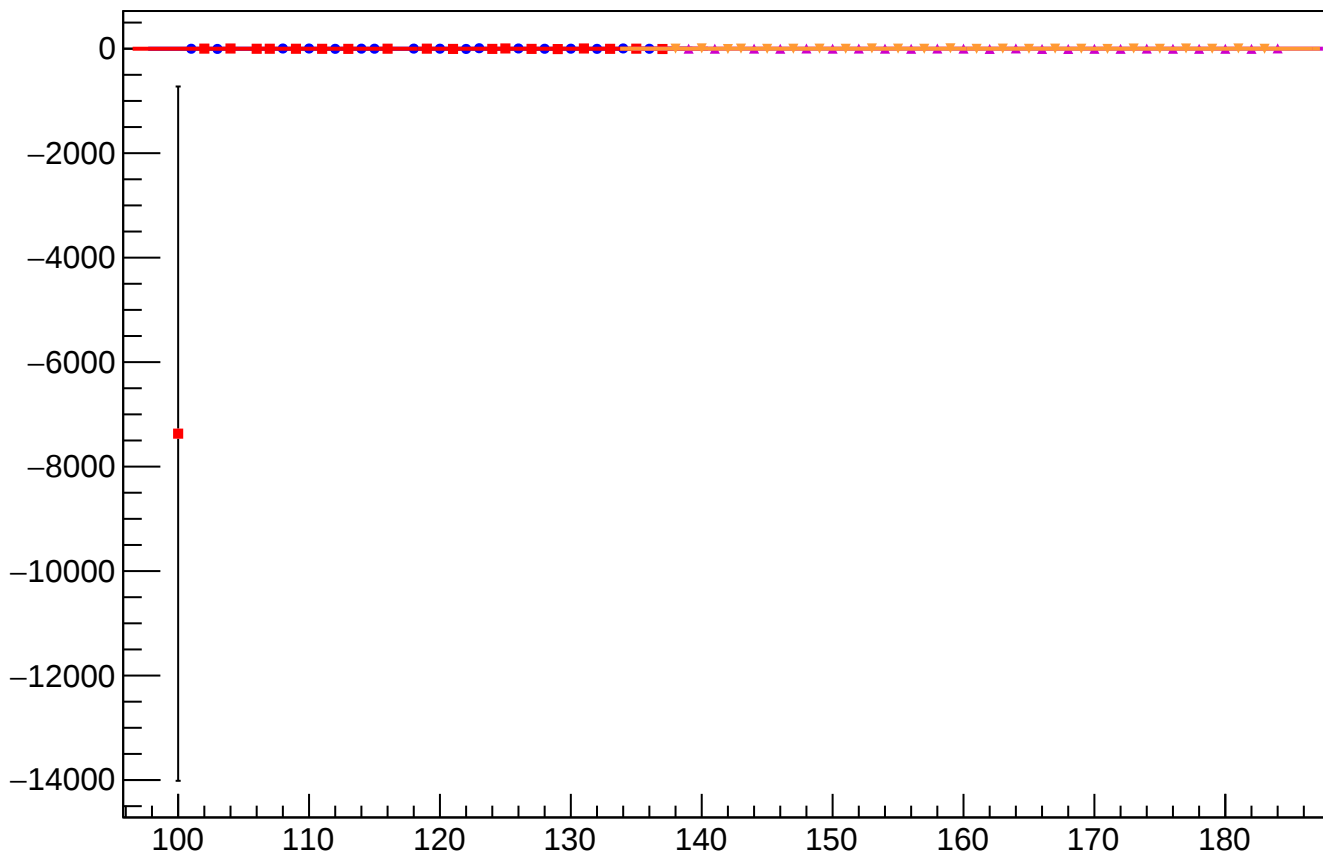
Right: 121.174 $\pm$ 0.024 χ^2 /NDF: 1256581.1/35

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

Out: 133.713 $\pm$ 0.019 χ^2 /NDF: 673015.4/42

All: 132.449 $\pm$ 0.013 χ^2 /NDF: 1593052.0/82

asym_dsr_correction_mean vs Slug, Sign Corrected



Right In: -0.719 $\pm$ 0.810 χ^2/NDF : 12.2/16

Left Out: 0.506 $\pm$ 0.576 χ^2/NDF : 28.6/23

Right Out: -0.638 $\pm$ 0.852 χ^2/NDF : 14.7/18

Left In: 0.290 $\pm$ 0.579 χ^2/NDF : 20.7/22

Left: 0.399 $\pm$ 0.408 χ^2/NDF : 49.4/46

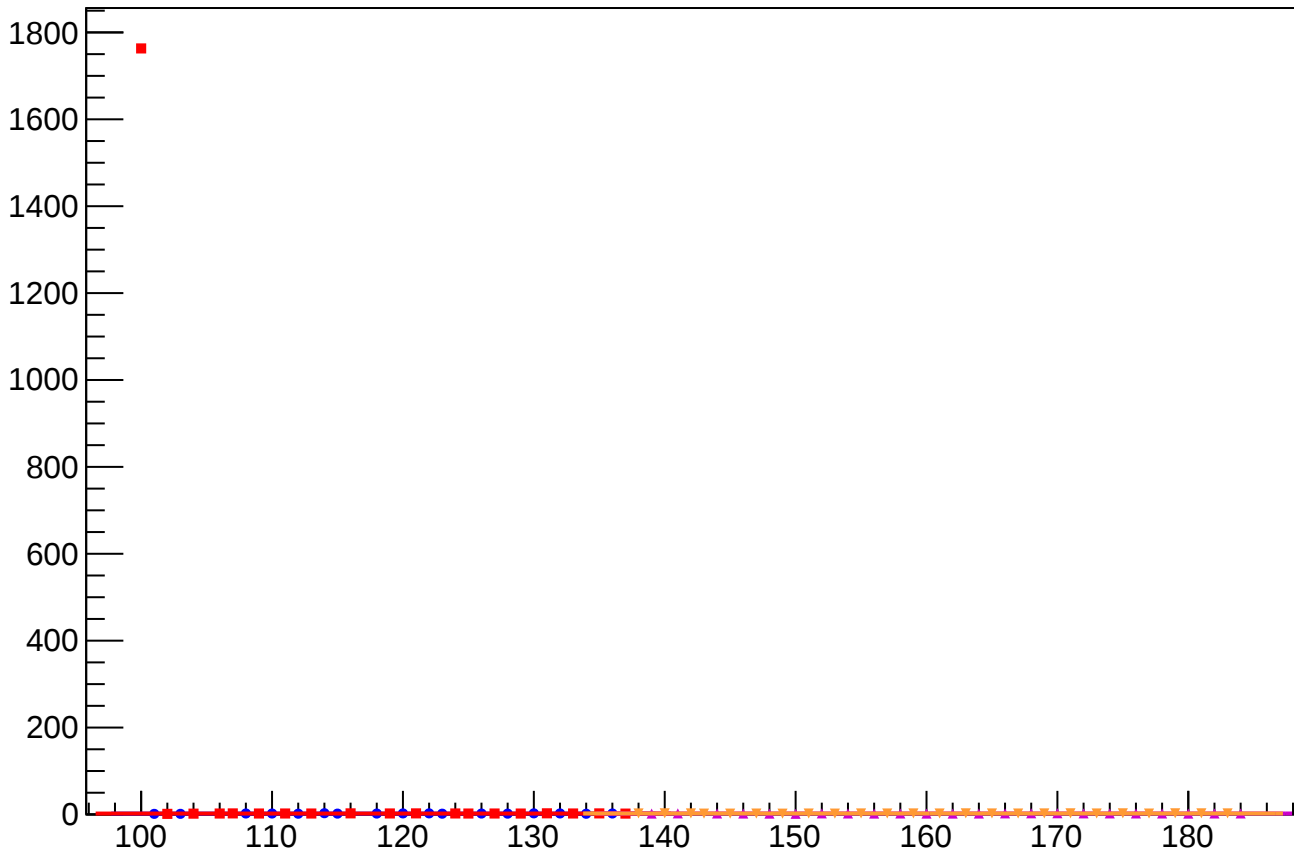
Right: -0.681 $\pm$ 0.587 χ^2/NDF : 26.9/35

In: -0.052 $\pm$ 0.471 χ^2/NDF : 33.9/39

Out: 0.147 $\pm$ 0.477 χ^2/NDF : 44.6/42

All: 0.047 $\pm$ 0.335 χ^2/NDF : 78.6/82

asym_dsr_correction_rms vs Slug, Sign Corrected



Right In: 1.865 $\pm$ 0.001 χ^2 /NDF: 489750.7/16

Left Out: 2.254 $\pm$ 0.000 χ^2 /NDF: 365754.3/23

Right Out: 2.064 $\pm$ 0.001 χ^2 /NDF: 521829.5/18

Left In: 2.193 $\pm$ 0.000 χ^2 /NDF: 510890.7/22

Left: 2.224 $\pm$ 0.000 χ^2 /NDF: 887888.5/46

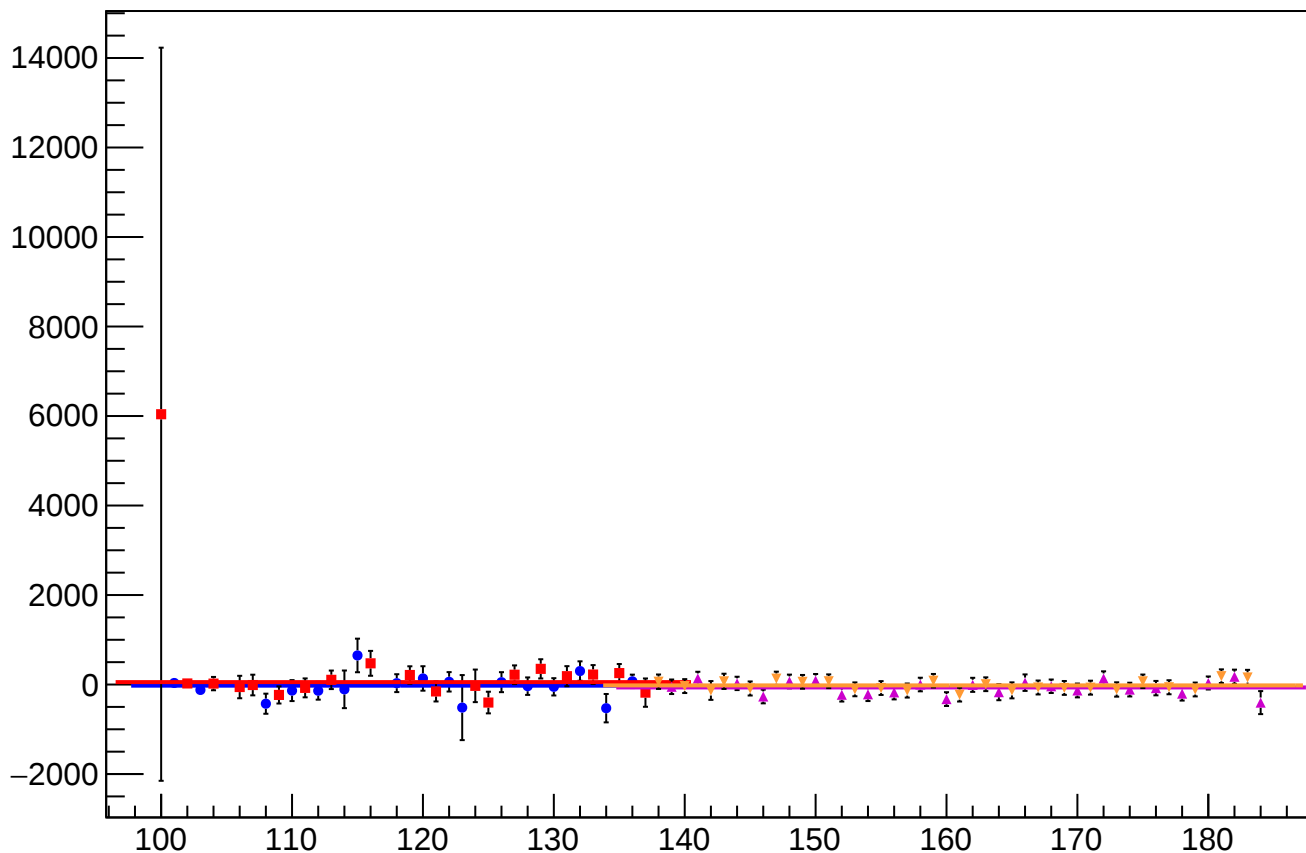
Right: 1.959 $\pm$ 0.000 χ^2 /NDF: 1068448.1/35

In: 2.082 $\pm$ 0.000 χ^2 /NDF: 1217183.0/39

Out: 2.194 $\pm$ 0.000 χ^2 /NDF: 956222.9/42

All: 2.137 $\pm$ 0.000 χ^2 /NDF: 2229468.7/82

asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -19.144+/-32.386 χ^2/NDF : 10.6/23

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: -41.787+/-23.098 χ^2/NDF : 31.0/46

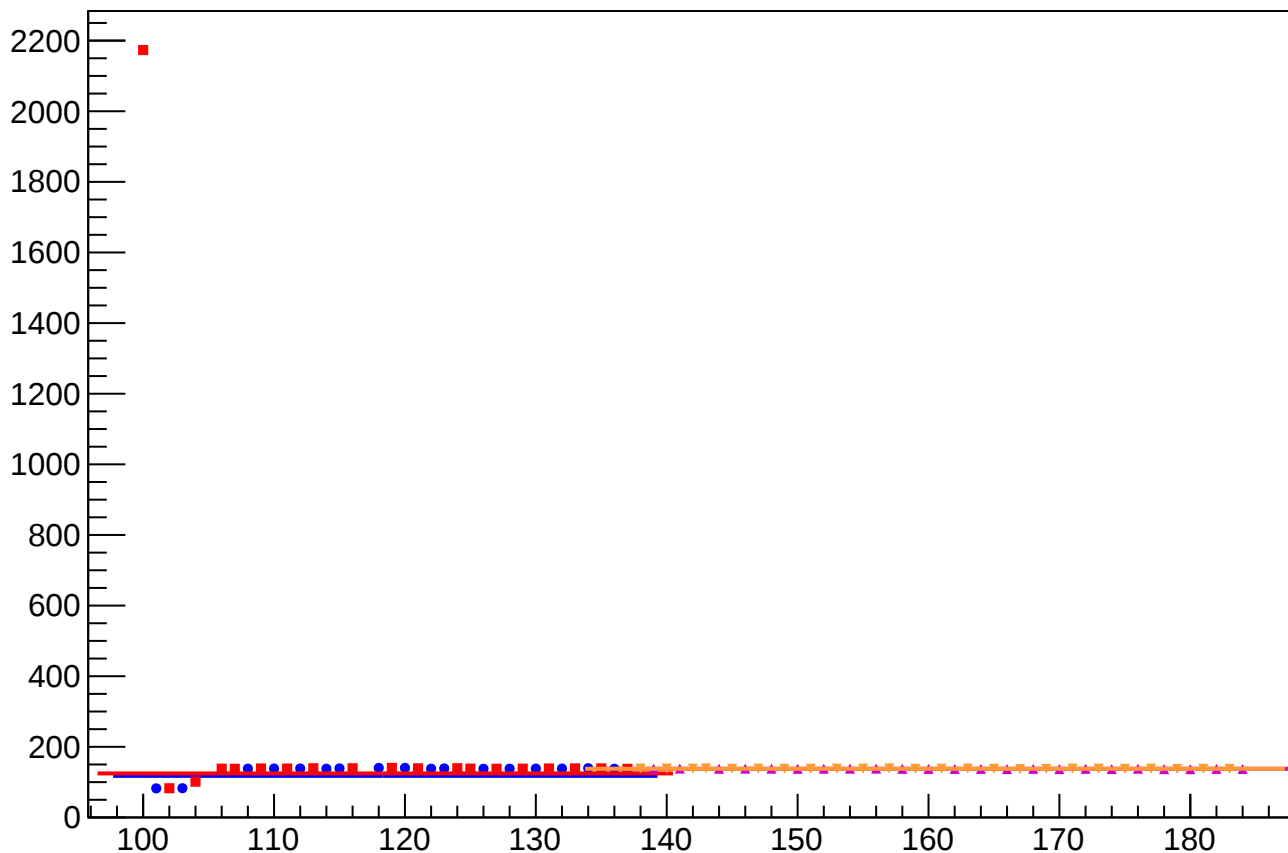
Right: 13.829+/-33.456 χ^2/NDF : 32.0/35

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

Out: 3.966+/-26.809 χ^2/NDF : 28.3/42

All: -23.835+/-19.008 χ^2/NDF : 64.8/82

asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.793 $\pm$ 0.033 χ^2 /NDF: 665675.4/16

Left Out: 137.880 $\pm$ 0.023 χ^2 /NDF: 406.3/23

Right Out: 124.713 $\pm$ 0.034 χ^2 /NDF: 579862.1/18

Left In: 137.843 $\pm$ 0.023 χ^2 /NDF: 457.2/22

Left: 137.862 $\pm$ 0.016 χ^2 /NDF: 864.8/46

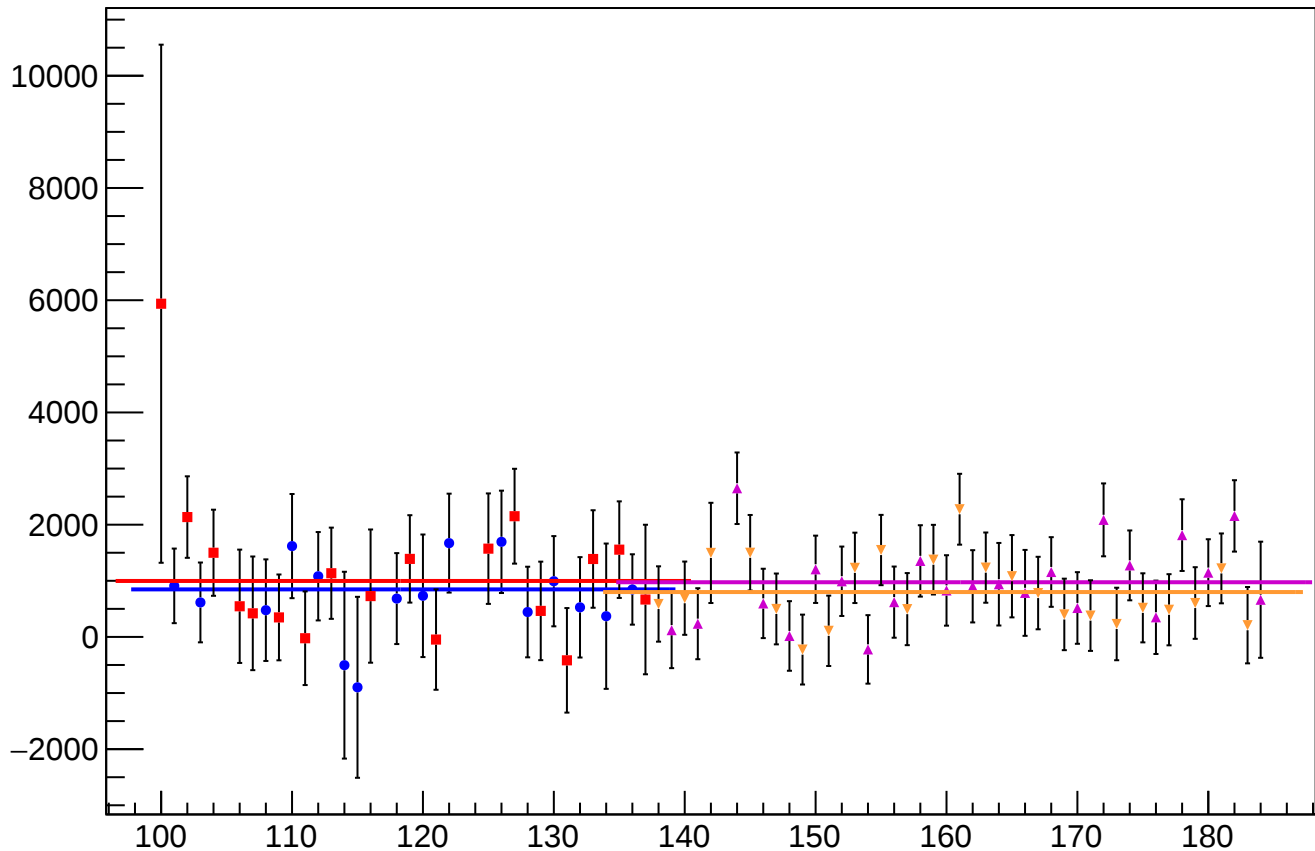
Right: 121.185 $\pm$ 0.024 χ^2 /NDF: 1266918.2/35

In: 131.208 $\pm$ 0.019 χ^2 /NDF: 911165.4/39

Out: 133.736 $\pm$ 0.019 χ^2 /NDF: 684310.3/42

All: 132.479 $\pm$ 0.013 χ^2 /NDF: 1604321.8/82

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 799.660 $\pm$ 135.088 χ^2 /NDF:18.4/22

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: 887.132 $\pm$ 95.466 χ^2 /NDF: 46.7/45

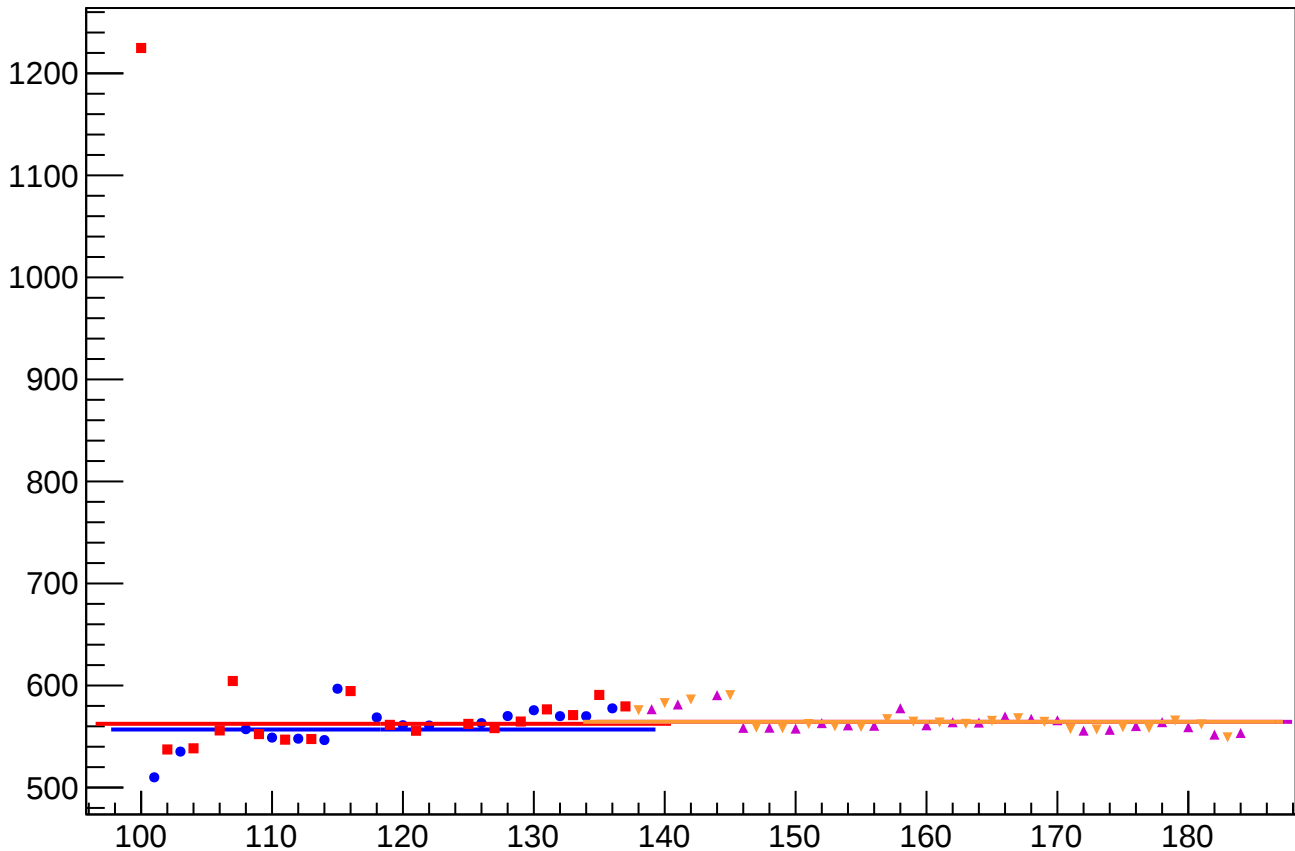
Right: 923.259 $\pm$ 151.989 χ^2 /NDF: 19.5/33

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

Out: 856.200 $\pm$ 114.120 χ^2 /NDF:33.1/40

All: 897.353 $\pm$ 80.842 χ^2 /NDF: 66.3/79

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 564.432+/-0.096 χ^2/NDF : 8993.6/22

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: 564.408+/-0.068 χ^2/NDF : 18203.2/45

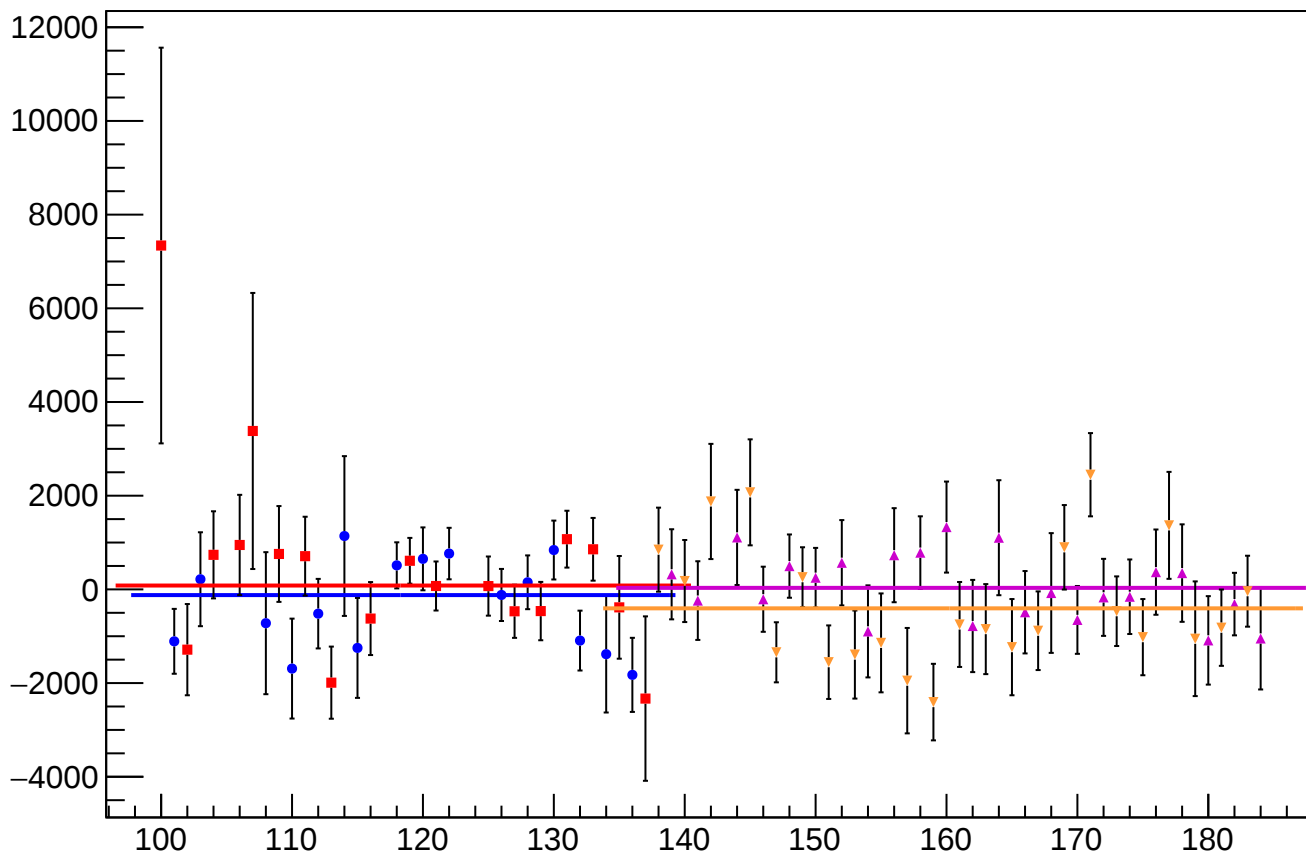
Right: 559.710+/-0.107 χ^2/NDF : 74782.1/33

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

Out: 563.867+/-0.081 χ^2/NDF : 64666.3/40

All: 563.079+/-0.057 χ^2/NDF : 94355.5/79

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -404.658 $\pm$ 182.634 χ^2/NDF : 43.0/22

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: -182.257 $\pm$ 127.994 χ^2/NDF : 58.0/45

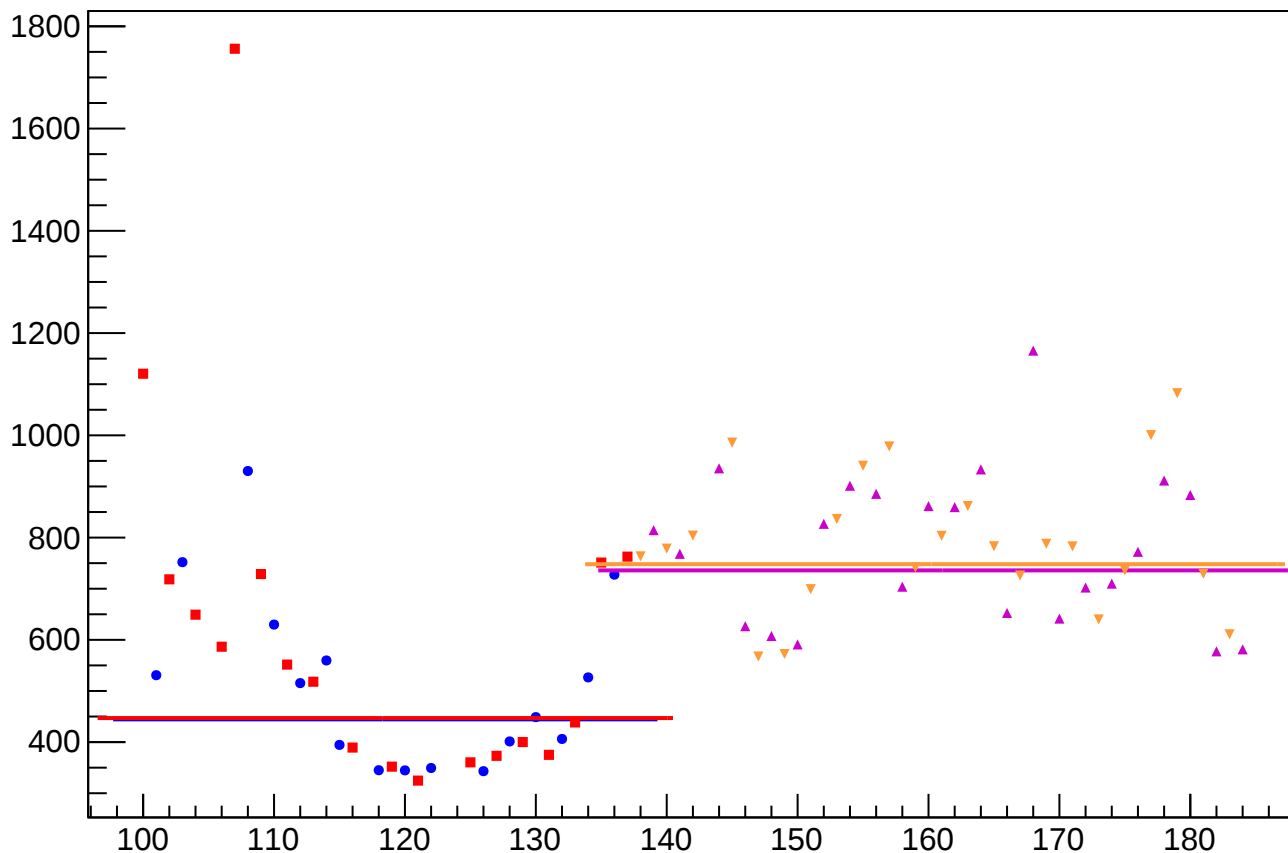
Right: -18.926 $\pm$ 127.318 χ^2/NDF : 48.5/33

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

Out: -156.748 $\pm$ 127.957 χ^2/NDF : 71.9/40

All: -100.159 $\pm$ 90.265 χ^2/NDF : 107.4/79

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 747.943 $\pm$ 0.129 χ^2 /NDF:983811.4/22

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: 741.789 $\pm$ 0.091 χ^2 /NDF: 2093678.5/45

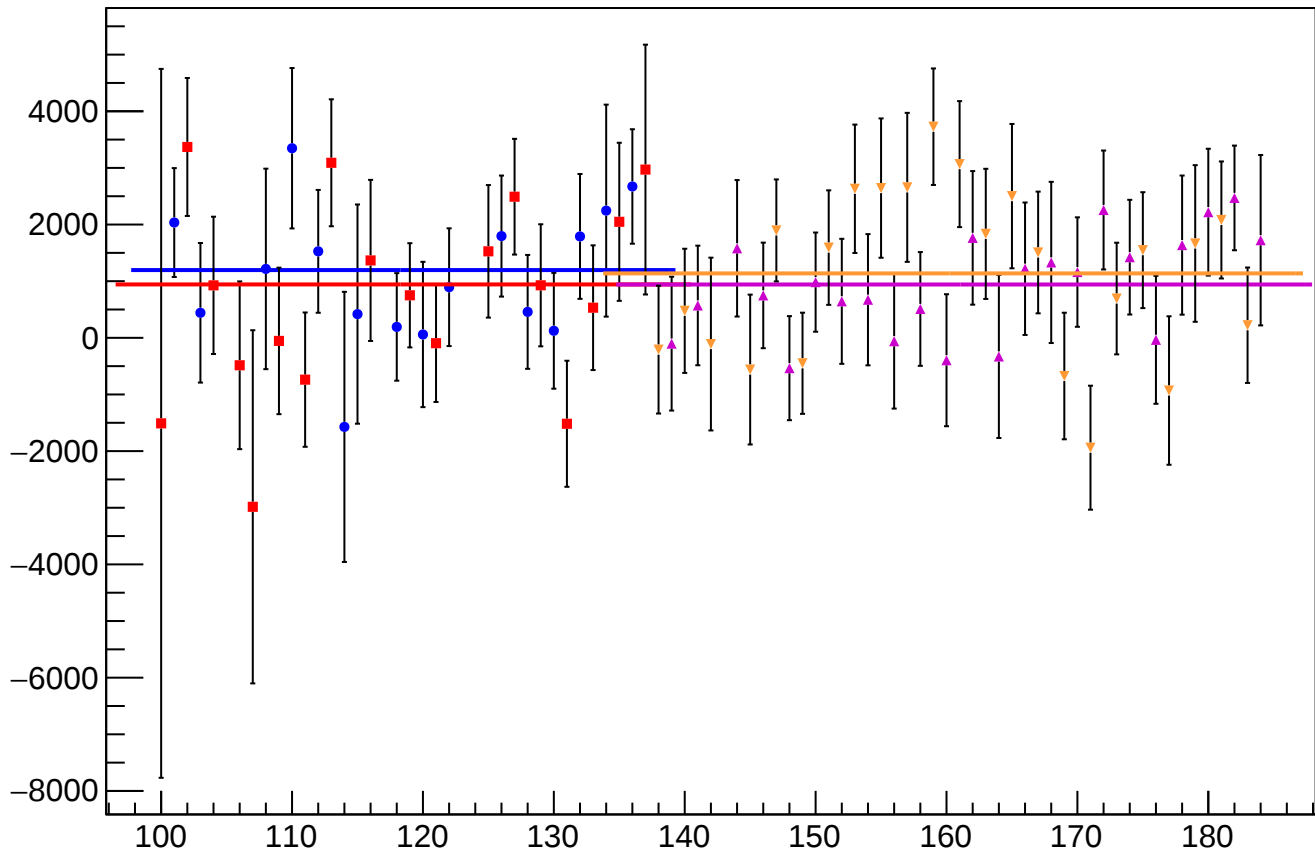
Right: 445.787 $\pm$ 0.090 χ^2 /NDF: 2507824.2/33

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

Out: 594.746 $\pm$ 0.090 χ^2 /NDF:5202726.4/40

All: 593.004 $\pm$ 0.064 χ^2 /NDF: 9978087.7/79

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 1137.636 $\pm$ 231.114 χ^2 /NDF:38.9/22

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: 1038.479 $\pm$ 162.427 χ^2 /NDF: 54.0/45

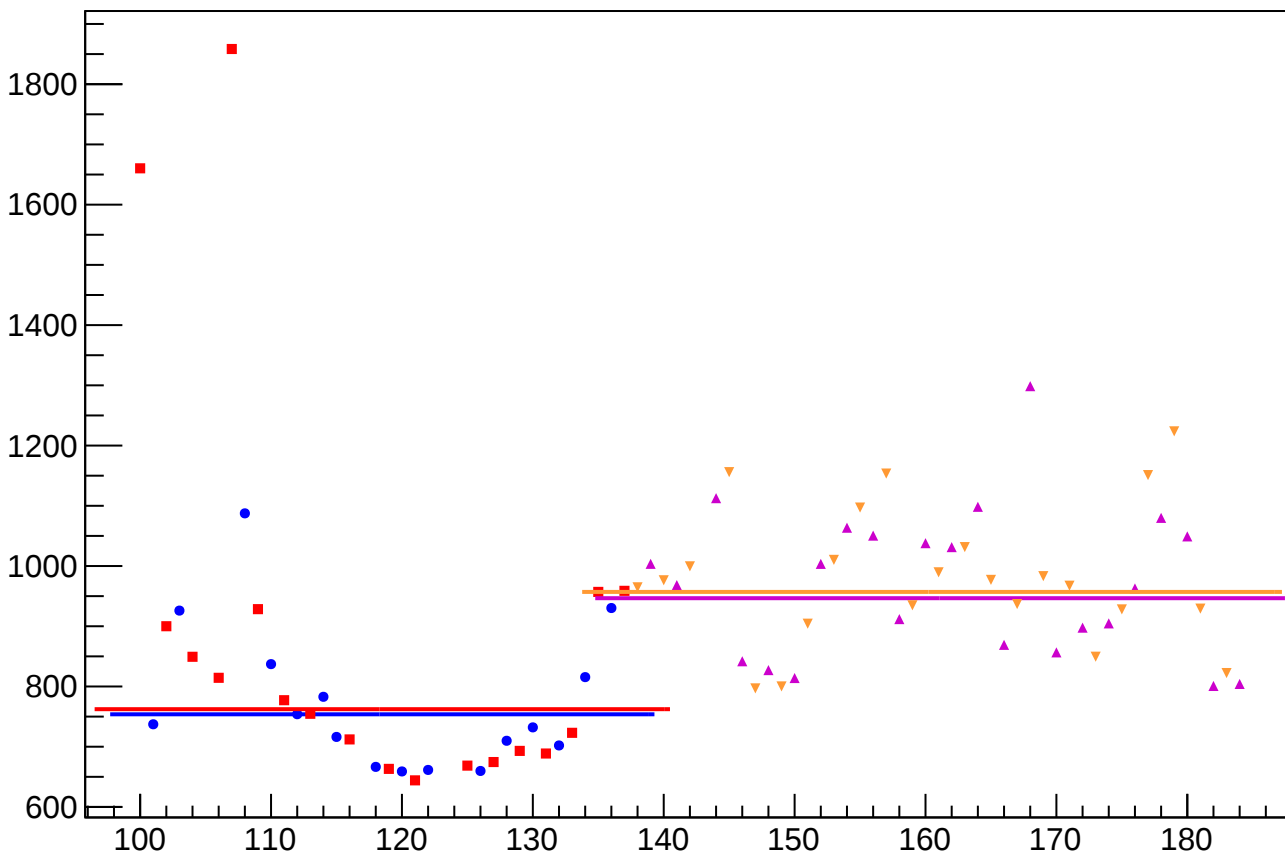
Right: 1068.673 $\pm$ 208.706 χ^2 /NDF: 35.2/33

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

Out: 1063.283 $\pm$ 181.747 χ^2 /NDF:62.3/40

All: 1049.868 $\pm$ 128.182 χ^2 /NDF: 89.2/79

asym_left_avg_rms vs Slug, Sign Corrected



Right In: 753.808+/-0.209 χ^2/NDF : 250129.9/15

Left Out: 957.014+/-0.163 χ^2/NDF : 446441.3/22

Right Out: 762.317+/-0.208 χ^2/NDF : 513801.4/17

Left In: 946.573+/-0.161 χ^2/NDF : 501366.9/22

Left: 951.730+/-0.115 χ^2/NDF : 949873.9/45

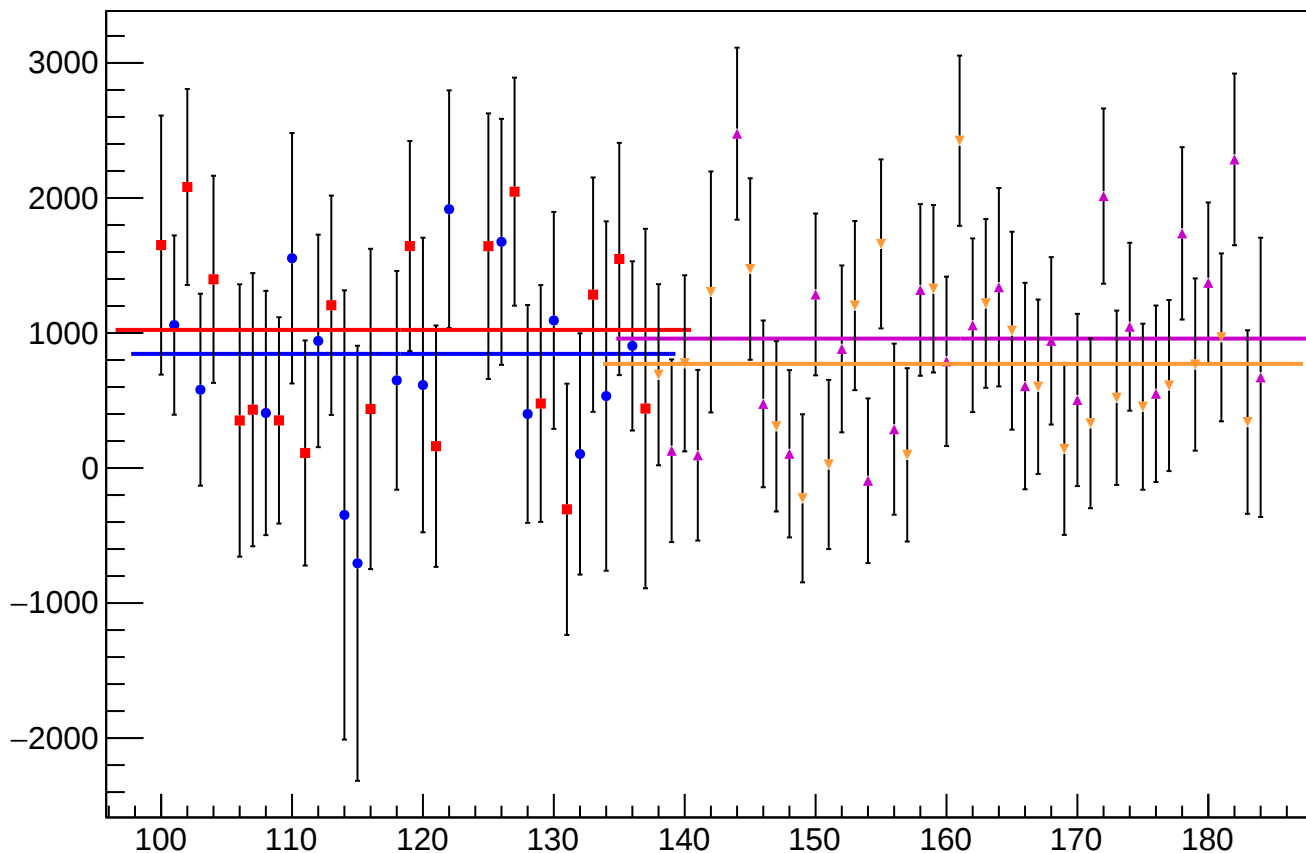
Right: 758.089+/-0.148 χ^2/NDF : 764762.2/33

In: 874.693+/-0.128 χ^2/NDF : 1283065.3/38

Out: 882.721+/-0.129 χ^2/NDF : 1501849.5/40

All: 878.686+/-0.091 χ^2/NDF : 2786875.8/79

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 771.660 $\pm$ 134.976 χ^2 /NDF: 20.4/22

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: 865.194 $\pm$ 95.389 χ^2 /NDF: 48.2/45

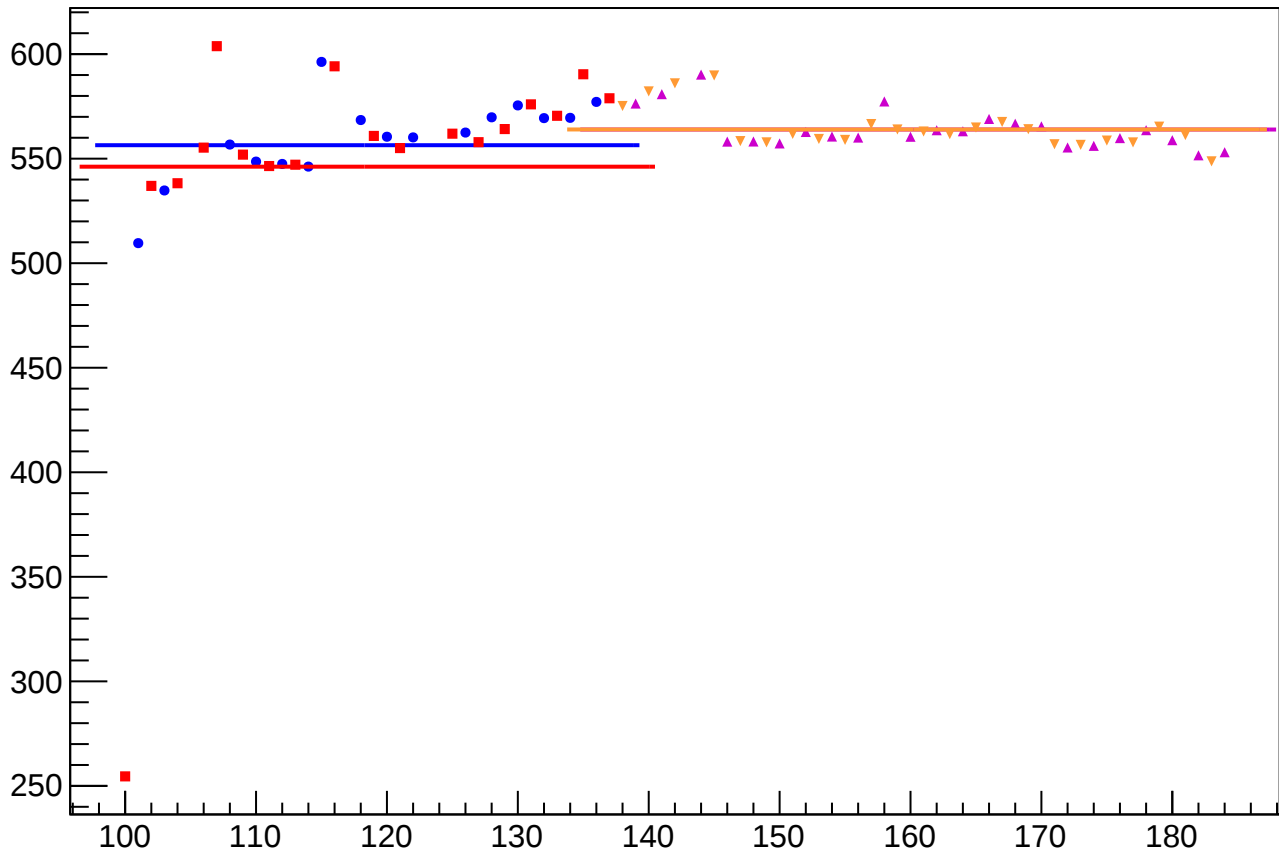
Right: 937.665 $\pm$ 150.078 χ^2 /NDF: 18.8/33

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

Out: 846.038 $\pm$ 113.263 χ^2 /NDF: 33.8/40

All: 886.046 $\pm$ 80.504 χ^2 /NDF: 67.1/79

reg_asym_left_dd_rms vs Slug, Sign Corrected



Right In: 556.437 $\pm$ 0.153 χ^2 /NDF: 18580.5/15

Left Out: 563.965 $\pm$ 0.095 χ^2 /NDF: 8934.3/22

Right Out: 546.163 $\pm$ 0.147 χ^2 /NDF: 208134.5/17

Left In: 563.934 $\pm$ 0.095 χ^2 /NDF: 9204.6/22

Left: 563.950 $\pm$ 0.067 χ^2 /NDF: 18139.0/45

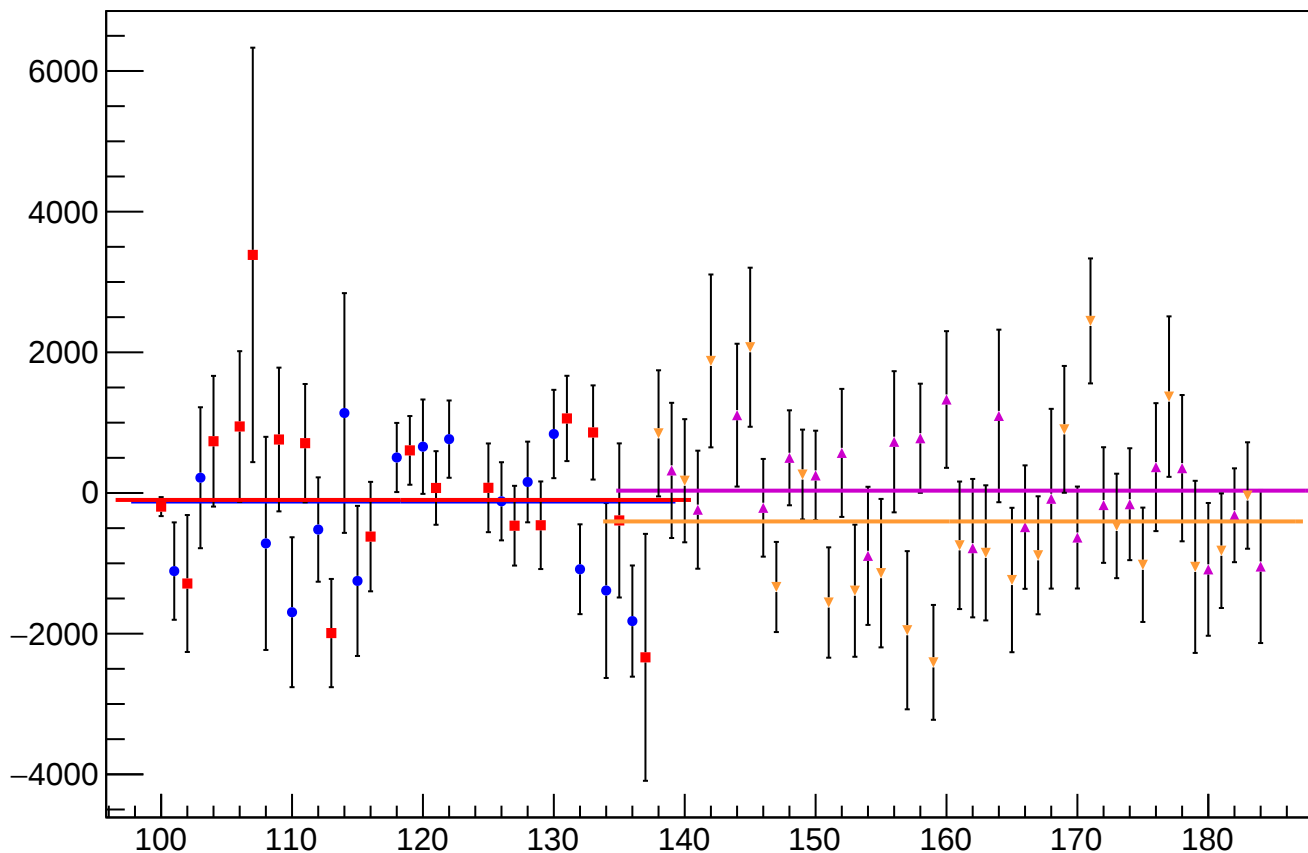
Right: 551.100 $\pm$ 0.106 χ^2 /NDF: 229054.7/33

In: 561.839 $\pm$ 0.081 χ^2 /NDF: 29513.1/38

Out: 558.698 $\pm$ 0.080 χ^2 /NDF: 227361.9/40

All: 560.252 $\pm$ 0.057 χ^2 /NDF: 257636.1/79

asym_left_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -404.340 $\pm$ 182.557 χ^2/NDF : 43.0/22

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: -181.635 $\pm$ 127.940 χ^2/NDF : 58.0/45

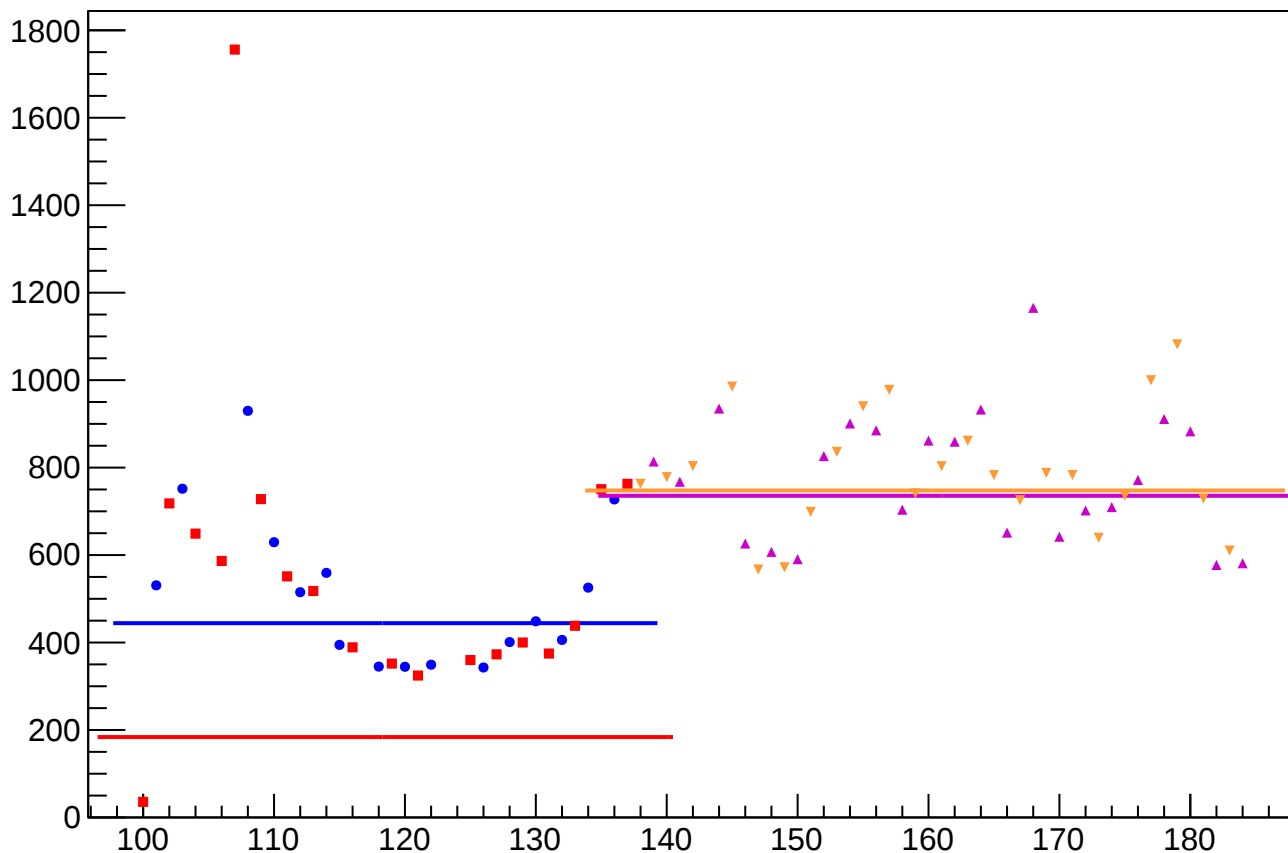
Right: -104.679 $\pm$ 92.611 χ^2/NDF : 46.2/33

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

Out: -177.844 $\pm$ 92.858 χ^2/NDF : 68.8/40

All: -131.138 $\pm$ 75.019 χ^2/NDF : 104.5/79

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 747.642+/-0.129 χ^2/NDF : 984390.5/22

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: 741.485+/-0.090 χ^2/NDF : 2094082.9/45

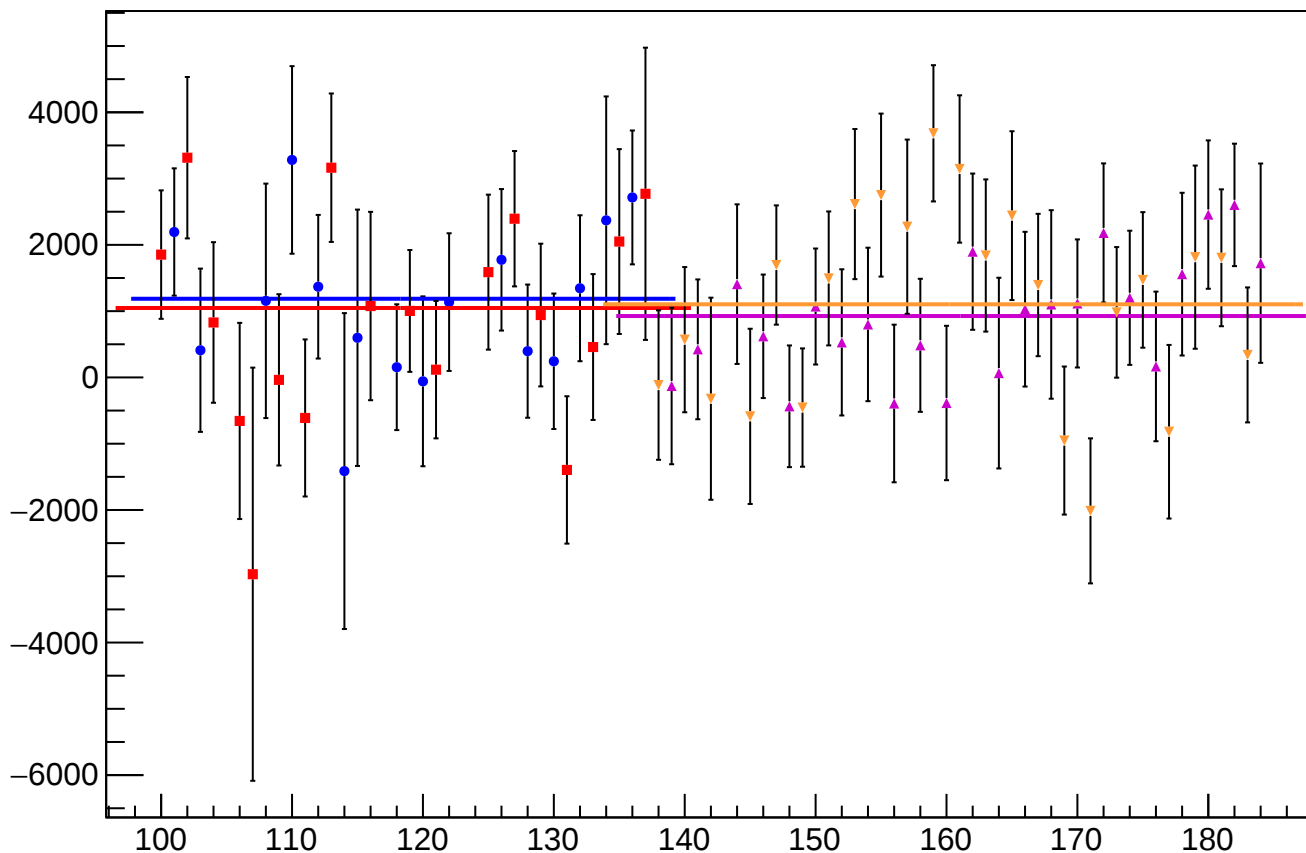
Right: 252.250+/-0.065 χ^2/NDF : 12188638.4/33

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

Out: 329.706+/-0.066 χ^2/NDF : 23197361.4/40

All: 420.459+/-0.053 χ^2/NDF : 33472700.1/79

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 1103.244 $\pm$ 230.981 χ^2 /NDF:38.3/22

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: 1013.689 $\pm$ 162.335 χ^2 /NDF: 53.7/45

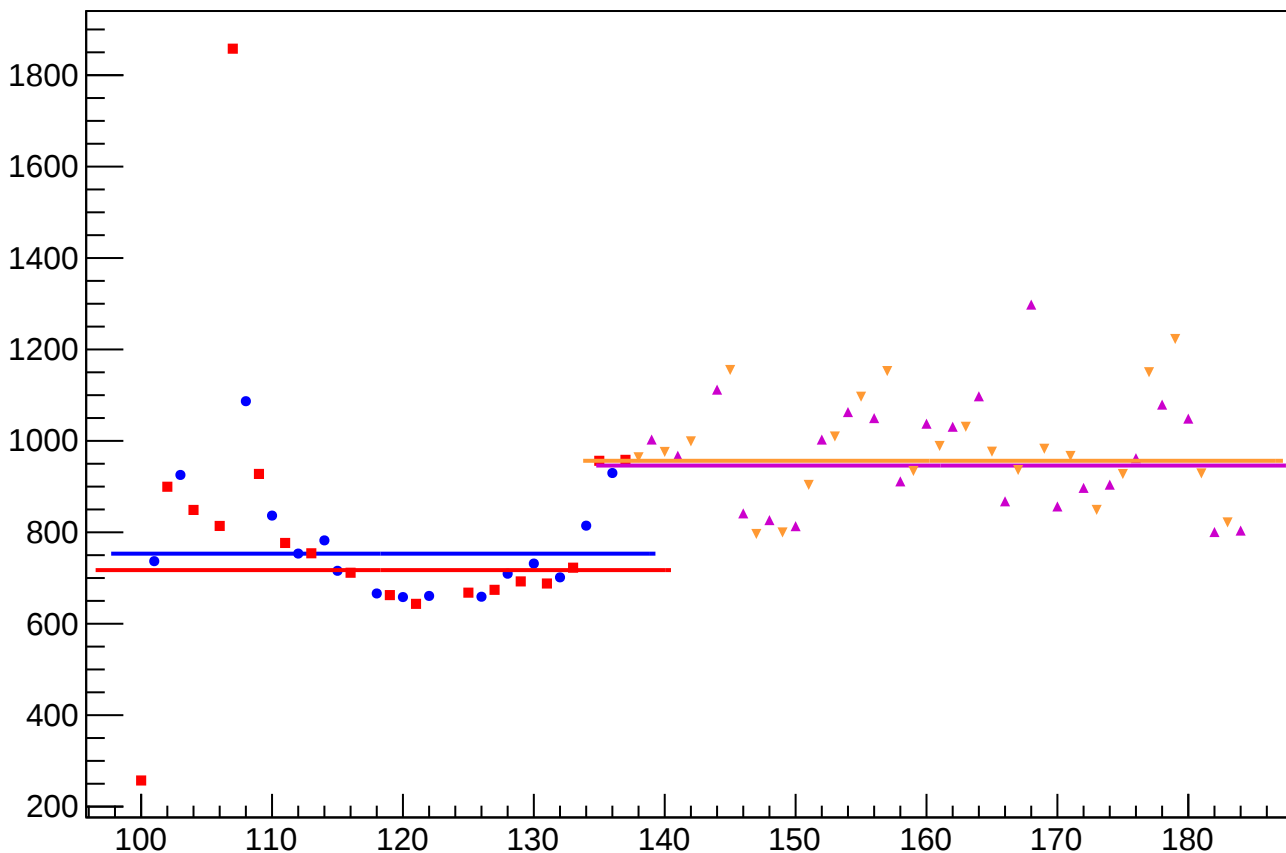
Right: 1113.871 $\pm$ 204.002 χ^2 /NDF: 34.2/33

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

Out: 1080.890 $\pm$ 178.598 χ^2 /NDF:60.7/40

All: 1052.531 $\pm$ 127.025 χ^2 /NDF: 88.0/79

asym_left_dd_rms vs Slug, Sign Corrected



Right In: 753.290 $\pm$ 0.209 χ^2 /NDF: 250330.3/15

Left Out: 956.471 $\pm$ 0.163 χ^2 /NDF:446407.1/22

Right Out: 717.327 $\pm$ 0.199 χ^2 /NDF: 965686.8/17

Left In: 946.041 $\pm$ 0.161 χ^2 /NDF:501442.7/22

Left: 951.192 $\pm$ 0.115 χ^2 /NDF: 949913.4/45

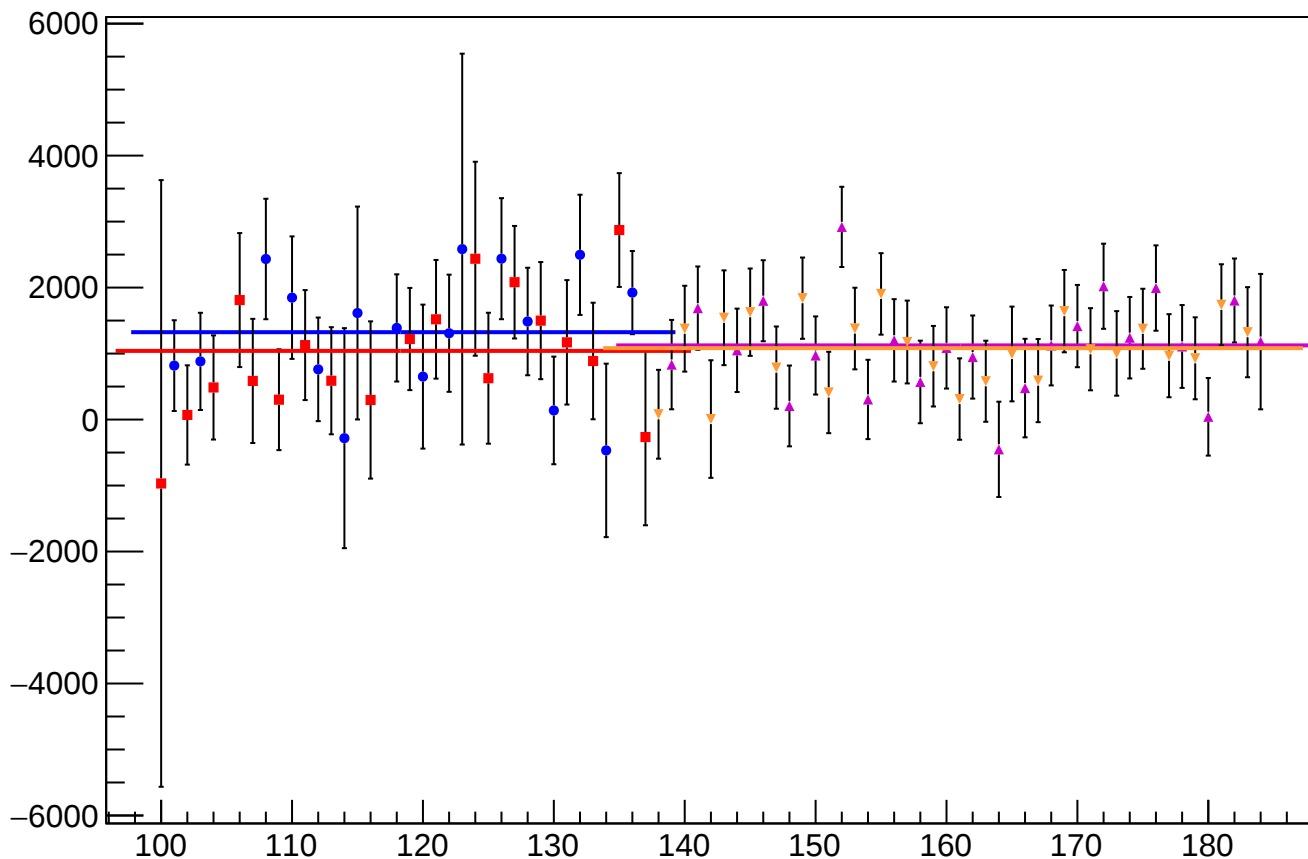
Right: 734.421 $\pm$ 0.144 χ^2 /NDF: 1231518.2/33

In: 874.156 $\pm$ 0.128 χ^2 /NDF:1283937.1/38

Out: 860.302 $\pm$ 0.126 χ^2 /NDF:2274218.9/40

All: 867.148 $\pm$ 0.090 χ^2 /NDF: 3564102.5/79

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 1081.985 $\pm$ 130.959 χ^2 /NDF:15.4/23

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: 1102.571 $\pm$ 93.371 χ^2 /NDF: 45.5/46

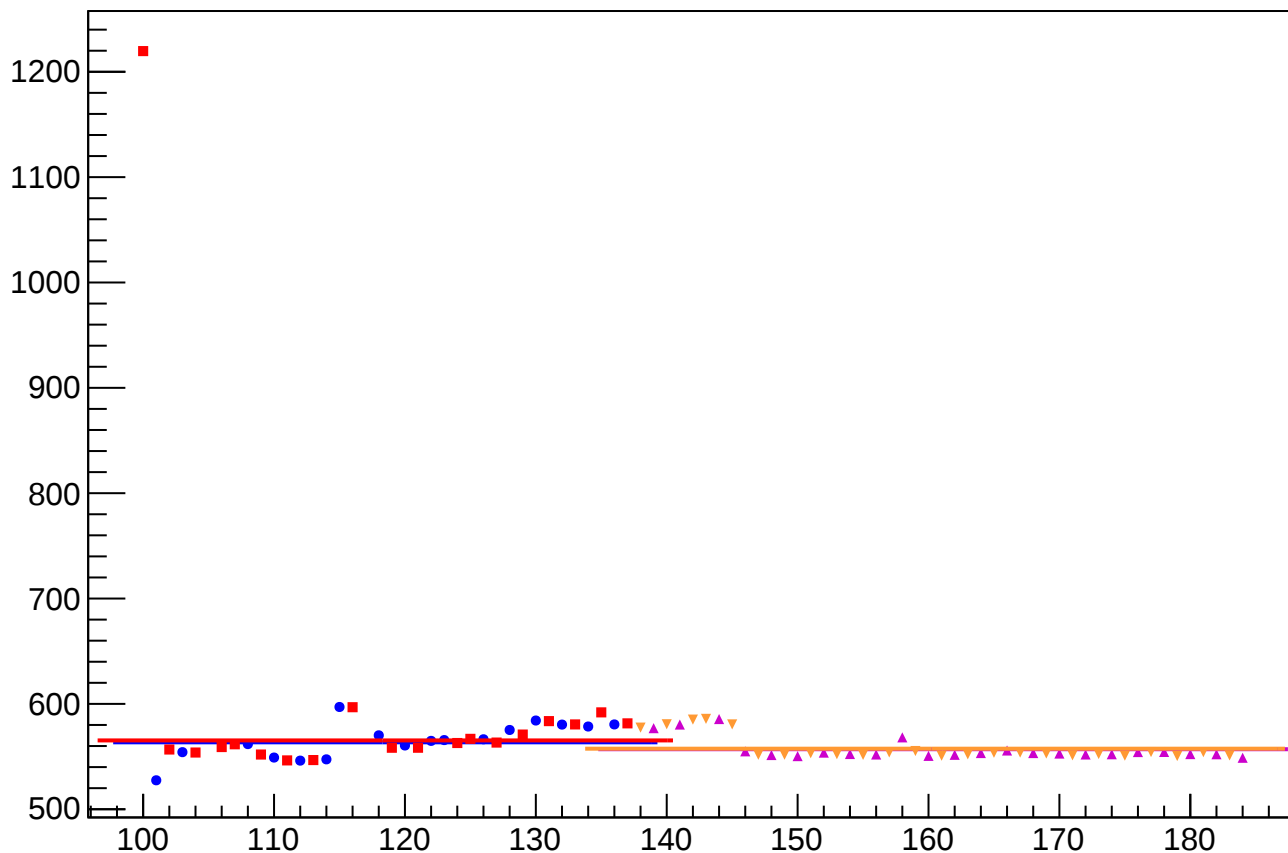
Right: 1177.984 $\pm$ 152.216 χ^2 /NDF: 27.2/35

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

Out: 1070.534 $\pm$ 111.427 χ^2 /NDF:28.9/42

All: 1123.189 $\pm$ 79.590 χ^2 /NDF: 72.8/82

reg_asym_right_avg_rms vs Slug, Sign Corrected



Right In: 563.522+/-0.155 χ^2/NDF : 12614.9/16

Left Out: 557.472+/-0.093 χ^2/NDF : 14352.9/23

Right Out: 565.327+/-0.150 χ^2/NDF : 49346.9/18

Left In: 556.969+/-0.094 χ^2/NDF : 11209.7/22

Left: 557.224+/-0.066 χ^2/NDF : 25577.1/46

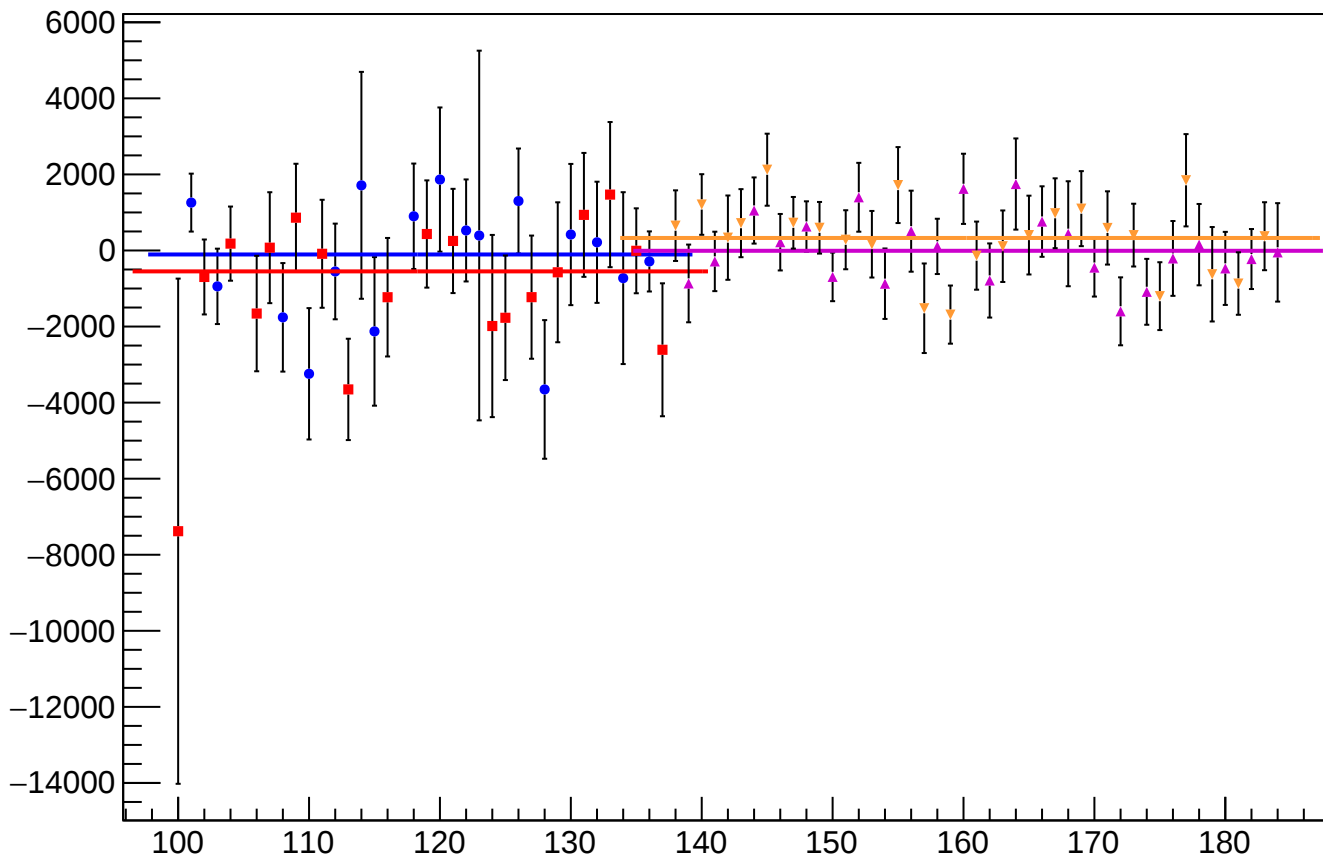
Right: 564.452+/-0.108 χ^2/NDF : 62032.1/35

In: 558.743+/-0.080 χ^2/NDF : 25135.4/39

Out: 559.640+/-0.079 χ^2/NDF : 65686.4/42

All: 559.200+/-0.056 χ^2/NDF : 90885.4/82

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 328.993 ± 182.429 χ^2/NDF : 25.8/23

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: 161.269 ± 129.332 χ^2/NDF : 47.6/46

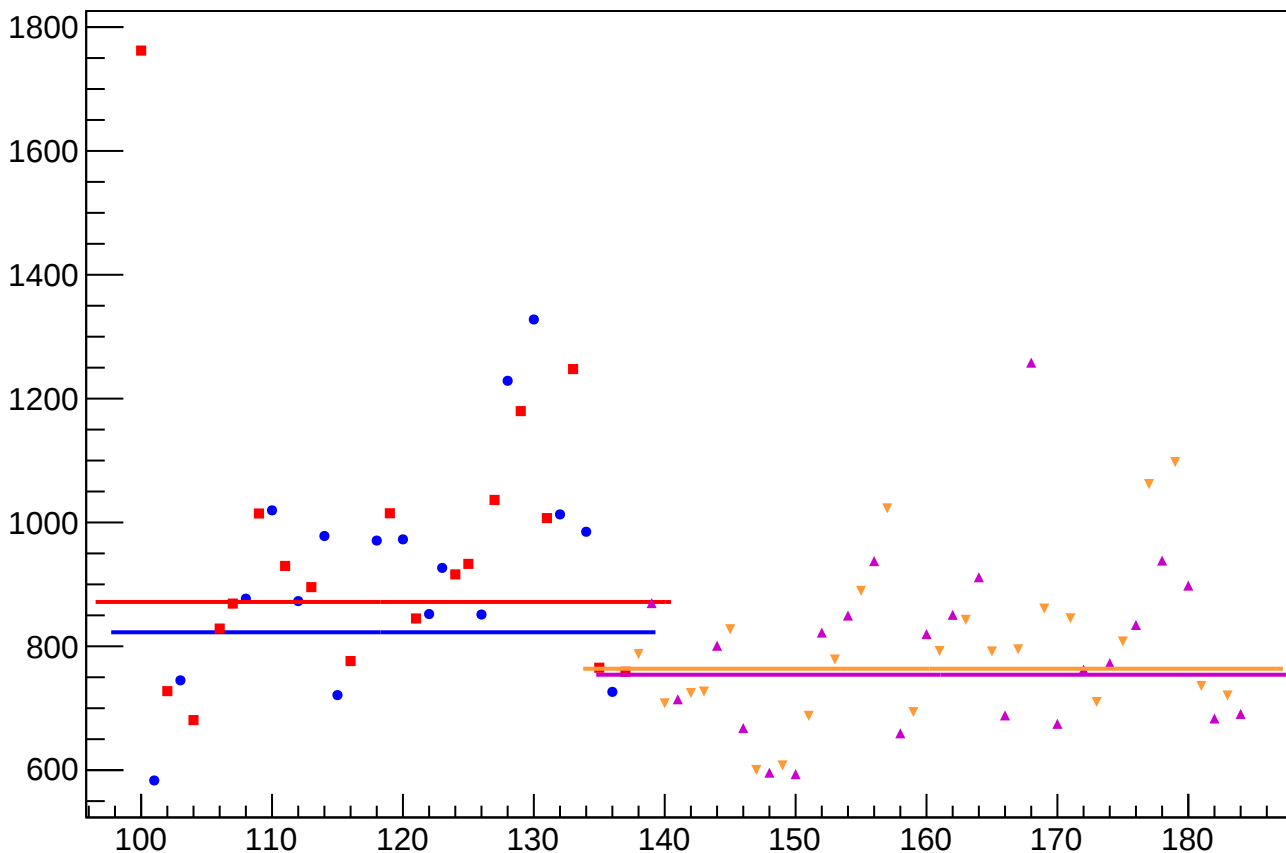
Right: -324.049 ± 233.768 χ^2/NDF : 32.5/35

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

Out: 126.152 ± 159.991 χ^2/NDF : 45.7/42

All: 47.533 ± 113.167 χ^2/NDF : 83.5/82

asym_right_avg_correction_rms vs Slug, Sign Corrected



Right In: 822.664 $\pm$ 0.232 χ^2/NDF : 606735.8/16

Left Out: 763.805 $\pm$ 0.129 χ^2/NDF : 752226.8/23

Right Out: 871.621 $\pm$ 0.235 χ^2/NDF : 408427.2/18

Left In: 754.099 $\pm$ 0.130 χ^2/NDF : 931829.3/22

Left: 758.977 $\pm$ 0.091 χ^2/NDF : 1686872.1/46

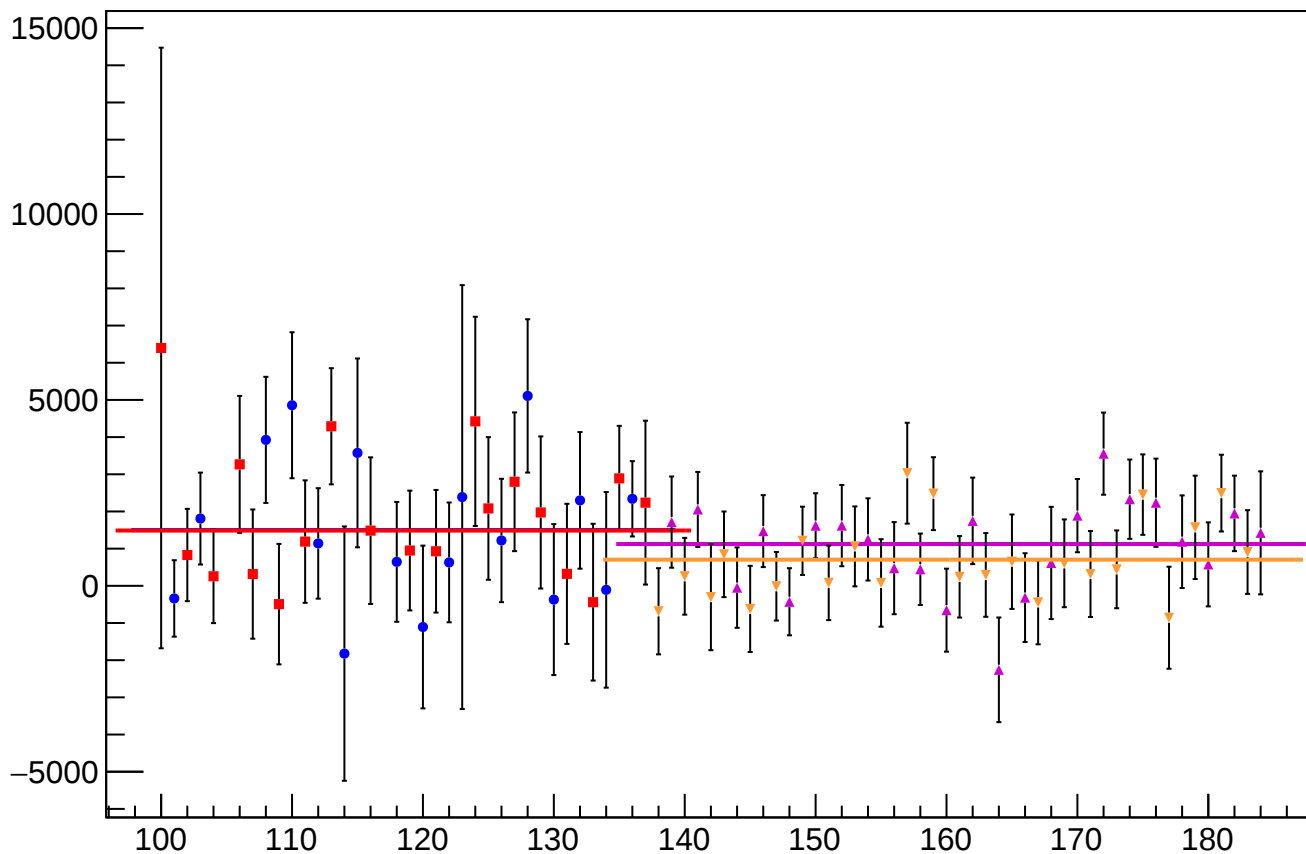
Right: 846.794 $\pm$ 0.165 χ^2/NDF : 1037087.9/35

In: 770.407 $\pm$ 0.113 χ^2/NDF : 1605066.1/39

Out: 788.696 $\pm$ 0.113 χ^2/NDF : 1321927.6/42

All: 779.557 $\pm$ 0.080 χ^2/NDF : 2940052.2/82

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 703.464 $\pm$ 227.990 χ^2 /NDF: 20.2/23

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: 912.118 $\pm$ 161.942 χ^2 /NDF: 47.3/46

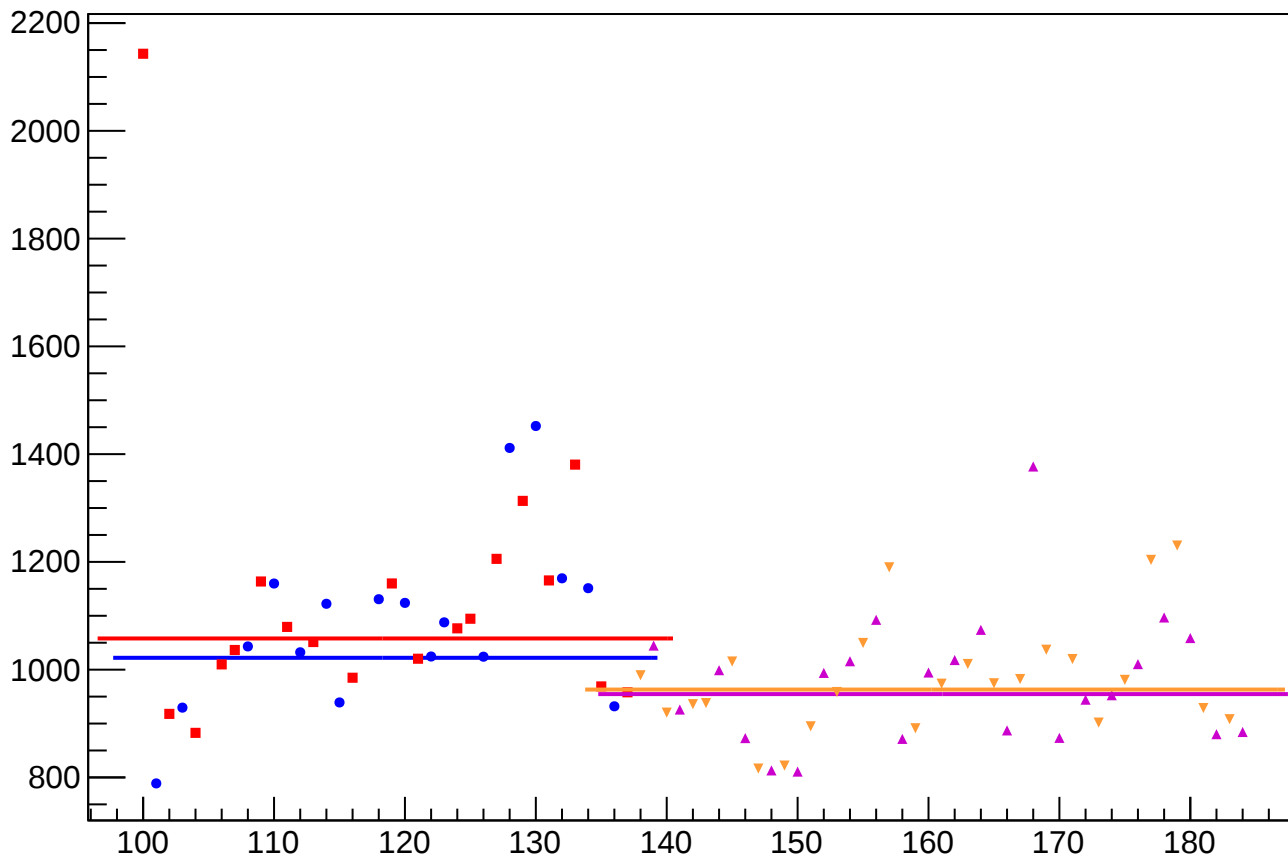
Right: 1492.836 $\pm$ 284.037 χ^2 /NDF: 29.1/35

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

Out: 895.260 $\pm$ 198.162 χ^2 /NDF: 35.1/42

All: 1054.580 $\pm$ 140.683 χ^2 /NDF: 79.6/82

asym_right_avg_rms vs Slug, Sign Corrected



Right In: 1022.011+/-0.285 χ^2/NDF : 336507.1/16

Left Out: 963.083+/-0.161 χ^2/NDF : 361769.2/23

Right Out: 1057.901+/-0.283 χ^2/NDF : 232484.1/18

Left In: 954.643+/-0.163 χ^2/NDF : 443395.0/22

Left: 958.901+/-0.115 χ^2/NDF : 806522.1/46

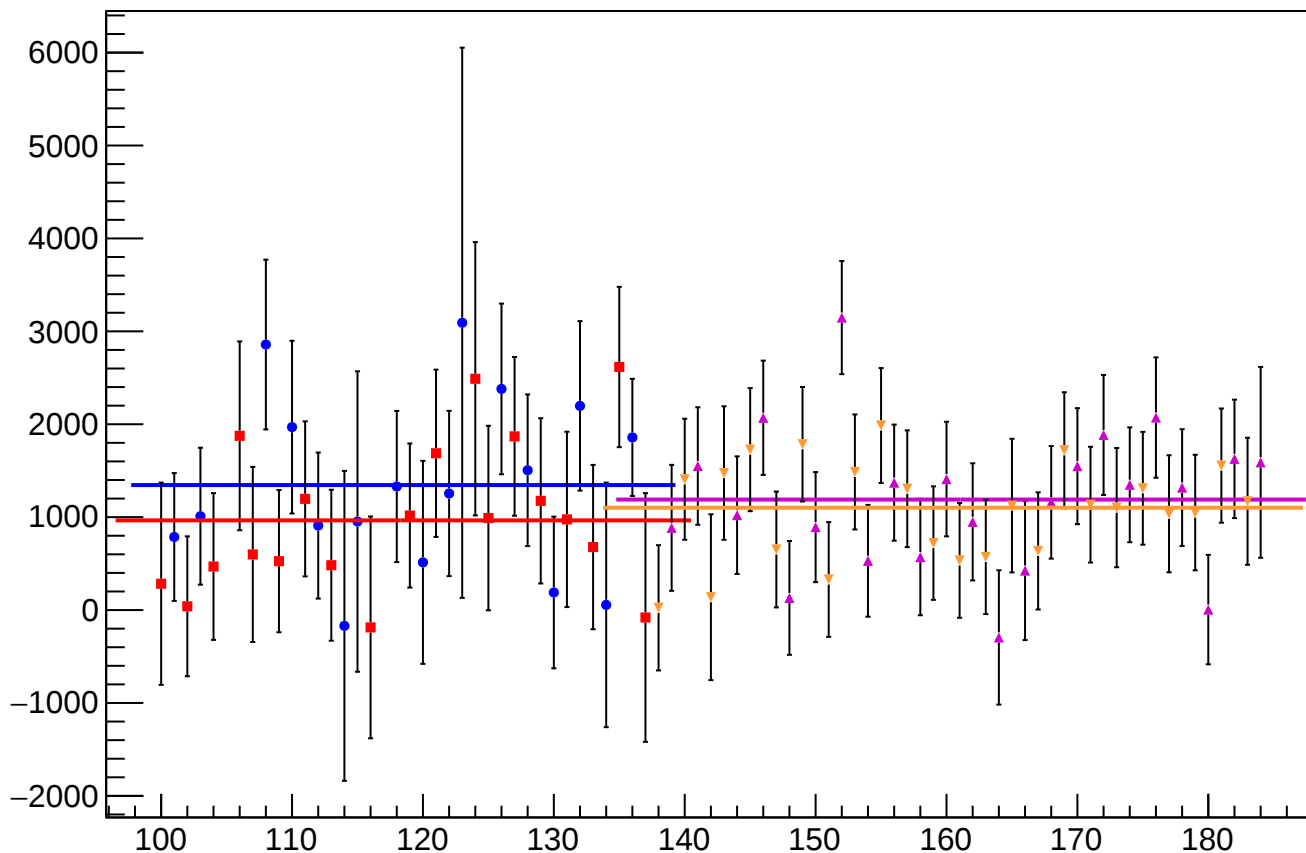
Right: 1040.043+/-0.201 χ^2/NDF : 576973.9/35

In: 971.223+/-0.141 χ^2/NDF : 822106.2/39

Out: 986.271+/-0.140 χ^2/NDF : 678847.2/42

All: 978.807+/-0.099 χ^2/NDF : 1506673.4/82

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 1101.601 $\pm$ 131.092 χ^2/NDF : 15.1/23

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: 1144.803 $\pm$ 93.472 χ^2/NDF : 47.5/46

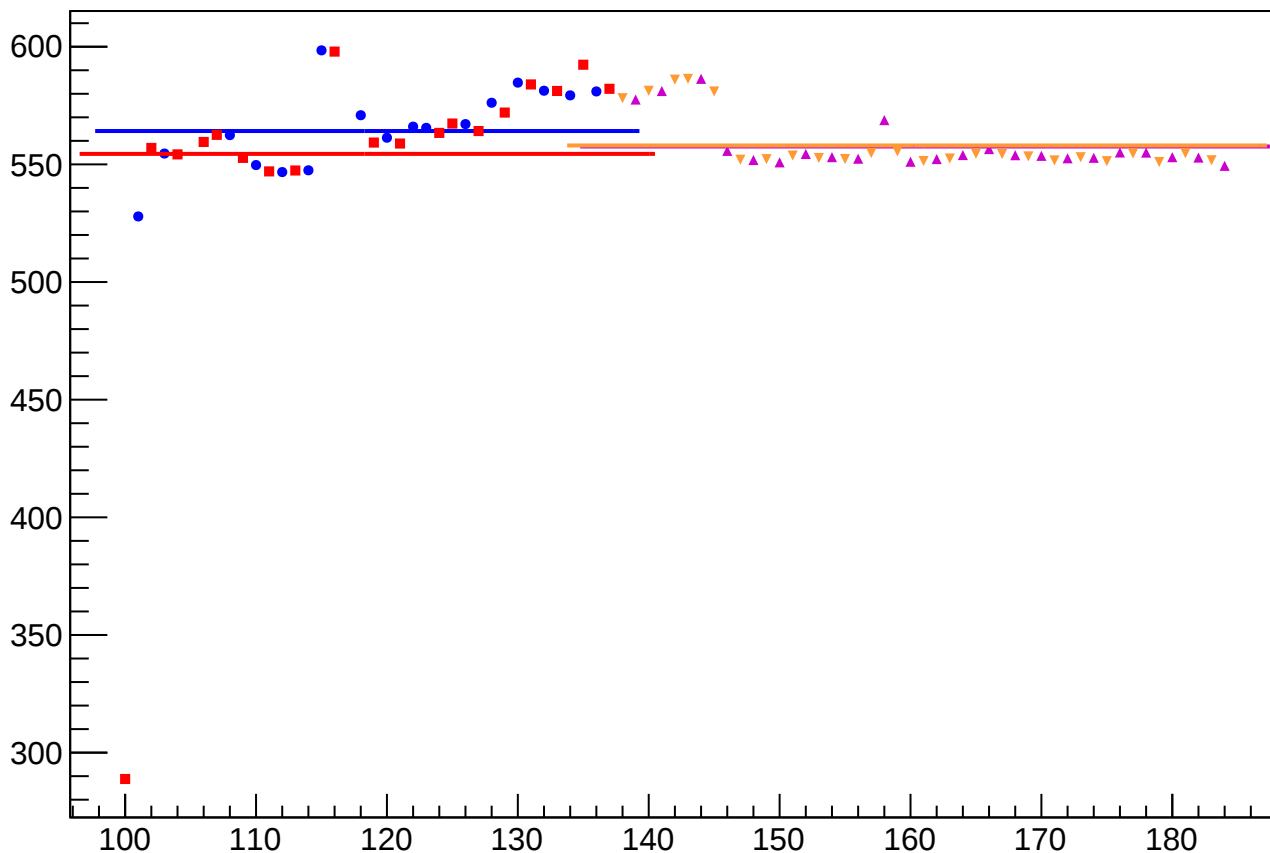
Right: 1146.322 $\pm$ 151.003 χ^2/NDF : 25.8/35

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

Out: 1063.054 $\pm$ 110.996 χ^2/NDF : 27.7/42

All: 1145.224 $\pm$ 79.477 χ^2/NDF : 73.3/82

reg_asym_right_dd_rms vs Slug, Sign Corrected



Right In: 564.174 ± 0.155 χ^2/NDF : 12759.8/16

Left Out: 558.037 ± 0.093 χ^2/NDF : 14388.9/23

Right Out: 554.462 ± 0.148 χ^2/NDF : 132390.5/18

Left In: 557.597 ± 0.094 χ^2/NDF : 11276.8/22

Left: 557.821 ± 0.066 χ^2/NDF : 25676.9/46

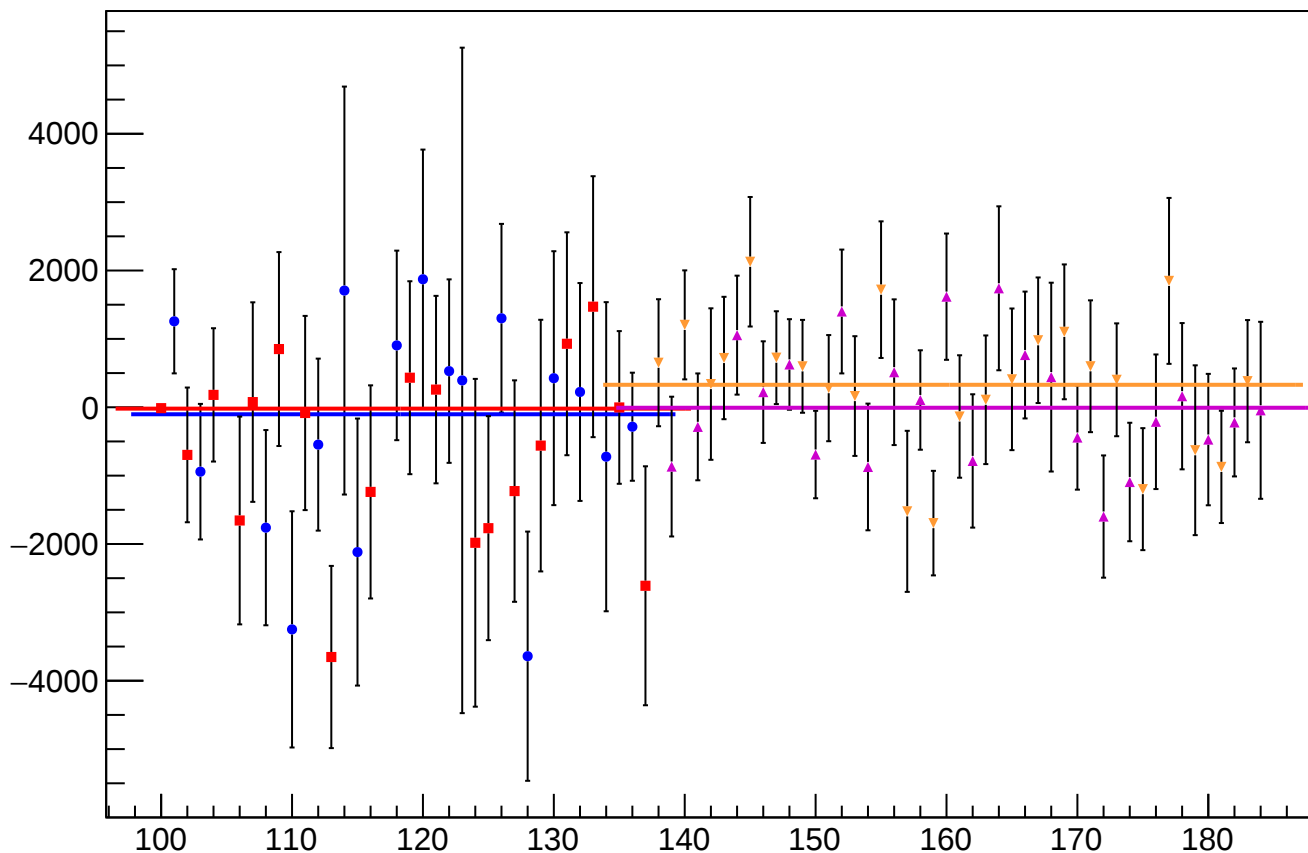
Right: 559.086 ± 0.107 χ^2/NDF : 147213.9/35

In: 559.377 ± 0.081 χ^2/NDF : 25354.4/39

Out: 557.025 ± 0.078 χ^2/NDF : 147200.5/42

All: 558.171 ± 0.056 χ^2/NDF : 172992.2/82

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 328.656 $\pm$ 182.483 χ^2 /NDF: 25.8/23

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: 161.584 $\pm$ 129.383 χ^2 /NDF: 47.7/46

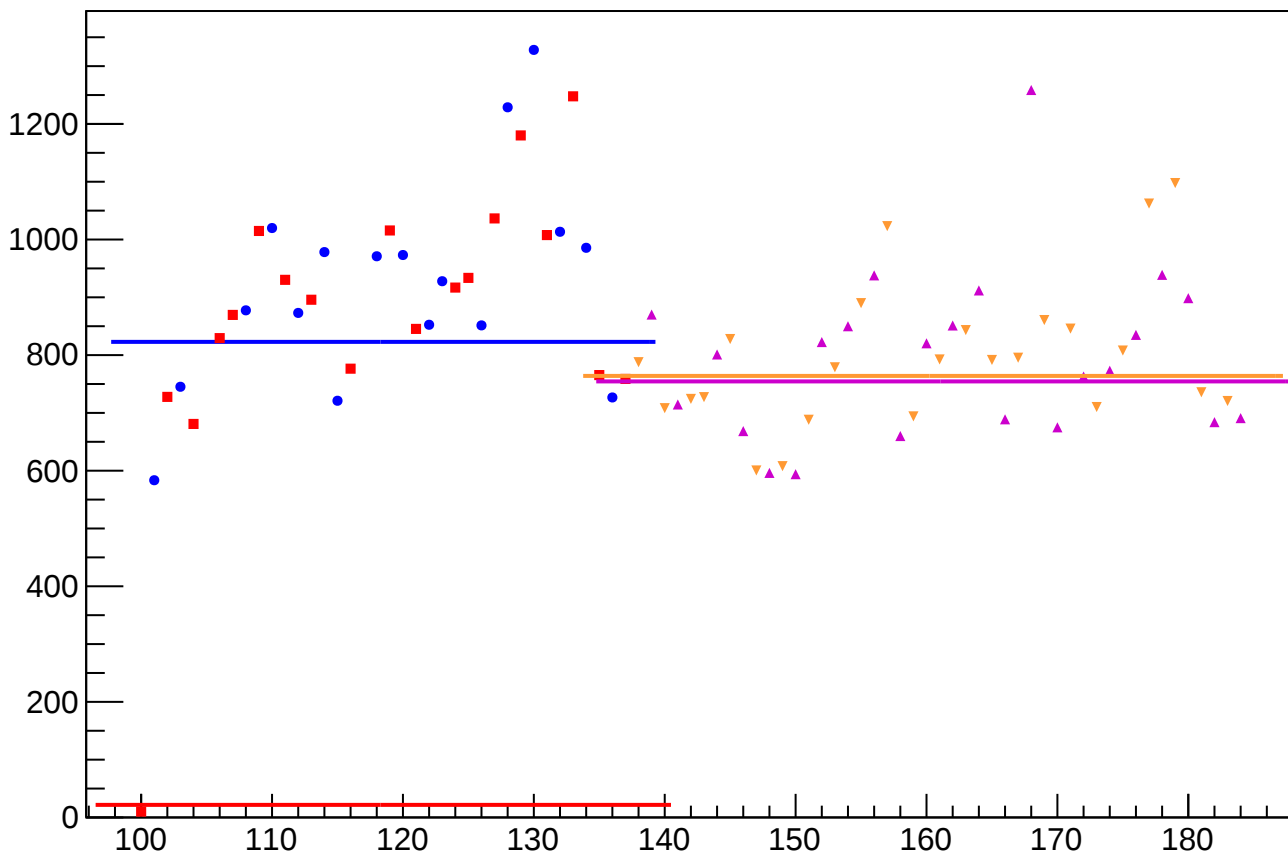
Right: -21.224 $\pm$ 38.684 χ^2 /NDF: 33.0/35

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

Out: -4.880 $\pm$ 38.097 χ^2 /NDF: 45.2/42

All: -6.223 $\pm$ 37.063 χ^2 /NDF: 82.5/82

asym_right_dd_correction_rms vs Slug, Sign Corrected



Right In: 822.915 $\pm$ 0.232 χ^2 /NDF: 606659.4/16

Left Out: 764.019 $\pm$ 0.129 χ^2 /NDF: 752287.9/23

Right Out: 21.771 $\pm$ 0.028 χ^2 /NDF: 13478158.3/18

Left In: 754.483 $\pm$ 0.130 χ^2 /NDF: 931536.8/22

Left: 759.277 $\pm$ 0.091 χ^2 /NDF: 1686541.1/46

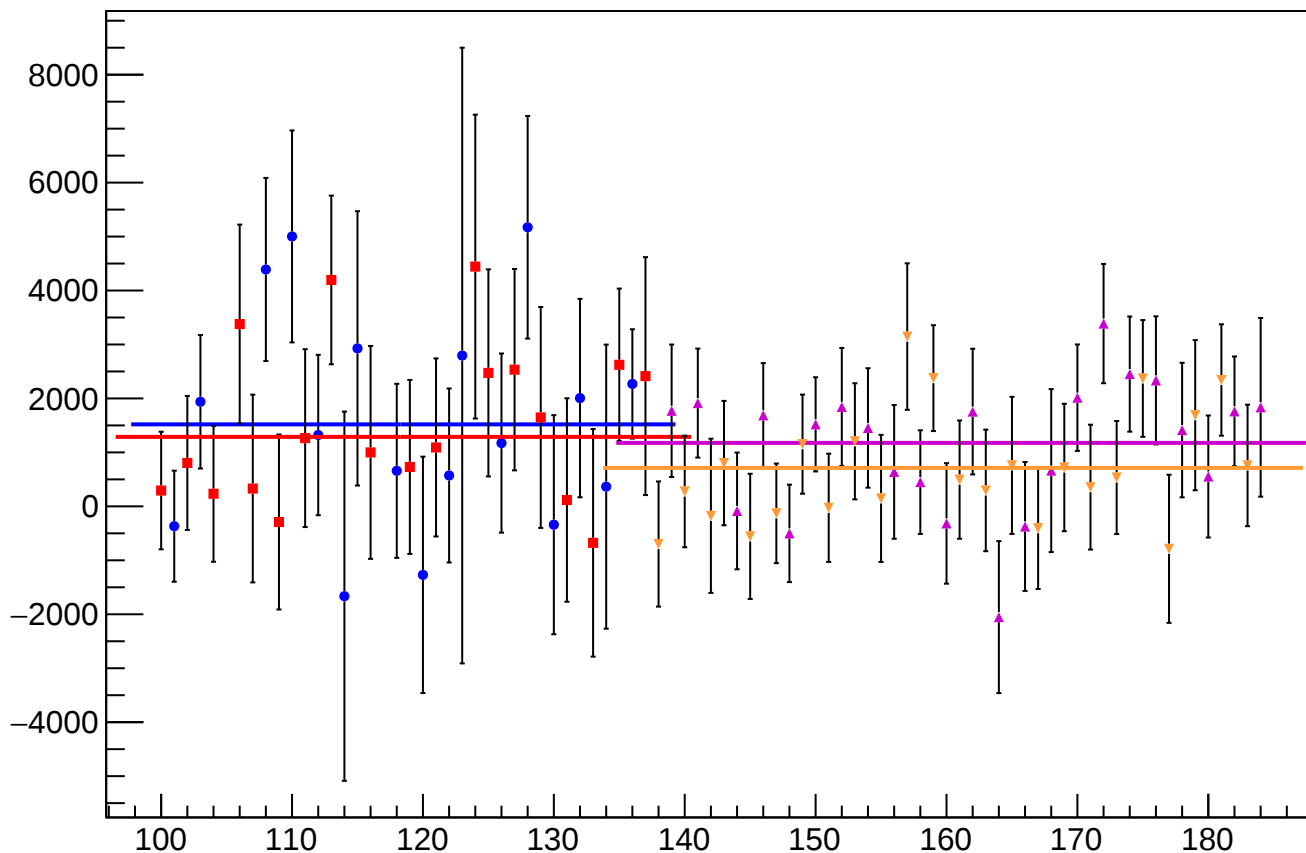
Right: 32.890 $\pm$ 0.027 χ^2 /NDF: 25824737.5/35

In: 770.764 $\pm$ 0.113 χ^2 /NDF: 1604392.5/39

Out: 54.122 $\pm$ 0.027 χ^2 /NDF: 45877366.7/42

All: 92.495 $\pm$ 0.026 χ^2 /NDF: 85377356.6/82

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 713.001 $\pm$ 228.113 χ^2/NDF : 19.2/23

Right Out: 1287.537 $\pm$ 376.679 χ^2/NDF : 12.4/18

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

Left: 942.507 $\pm$ 162.043 χ^2/NDF : 45.5/46

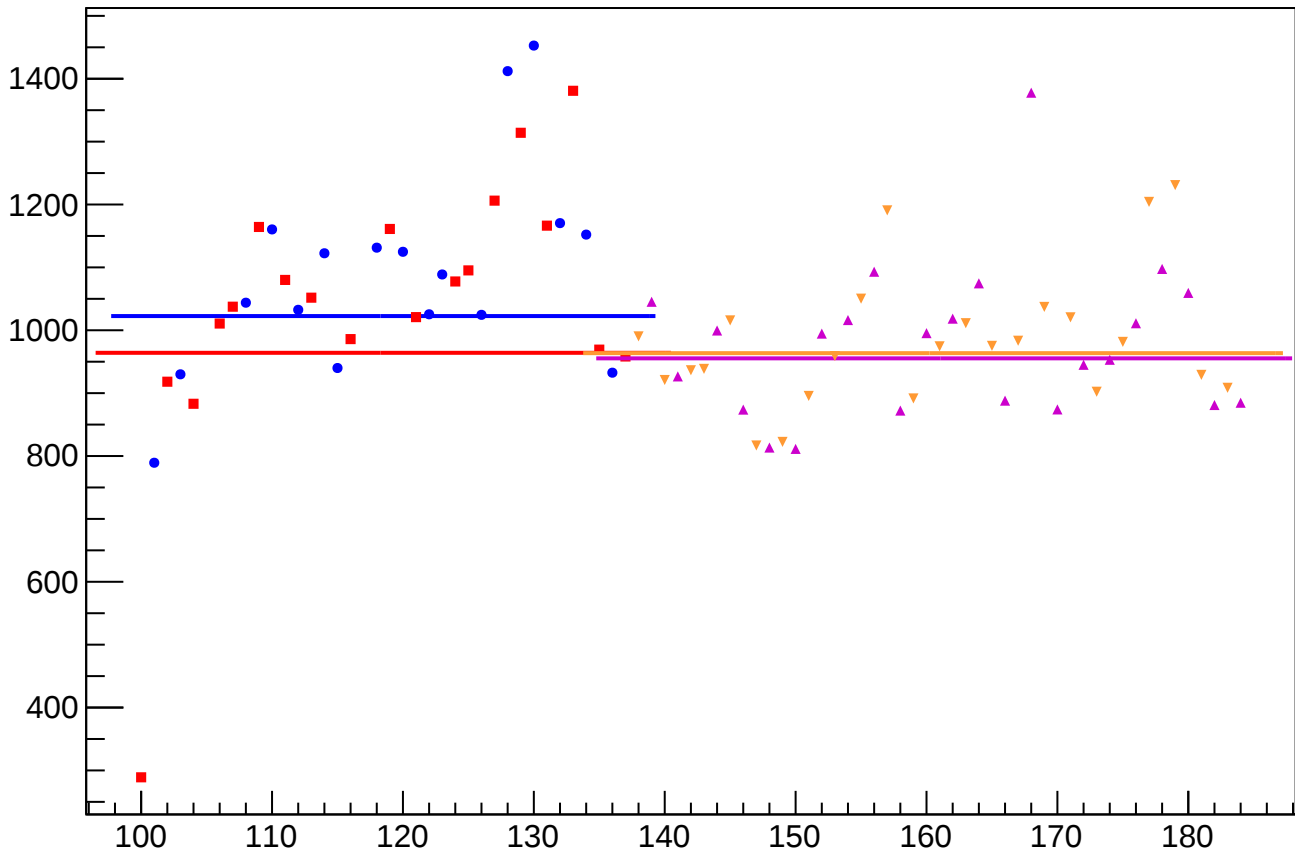
Right: 1395.721 $\pm$ 275.152 χ^2/NDF : 30.3/35

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

Out: 867.168 $\pm$ 195.123 χ^2/NDF : 33.3/42

All: 1059.216 $\pm$ 139.629 χ^2/NDF : 77.8/82

asym_right_dd_rms vs Slug, Sign Corrected



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

Left Out: 963.599+/-0.161 χ^2/NDF : 361684.0/23

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: 959.503+/-0.115 χ^2/NDF : 806054.1/46

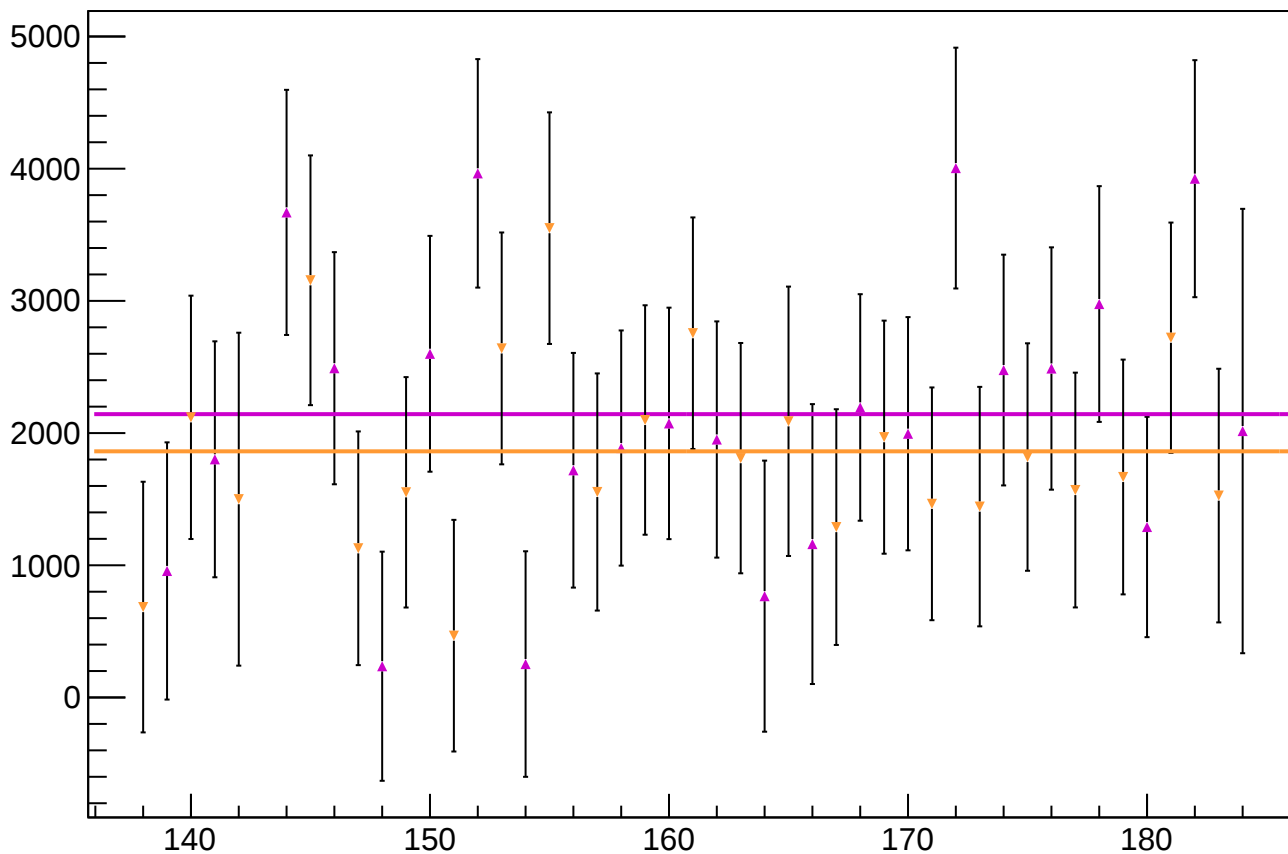
Right: 991.404+/-0.195 χ^2/NDF : 1427651.0/35

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

Out: 963.746+/-0.138 χ^2/NDF : 1430455.7/42

All: 967.718+/-0.099 χ^2/NDF : 2253665.8/82

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1861.982+/-188.820 χ^2/NDF :14.8/22

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: 2001.635+/-133.982 χ^2/NDF : 48.3/45

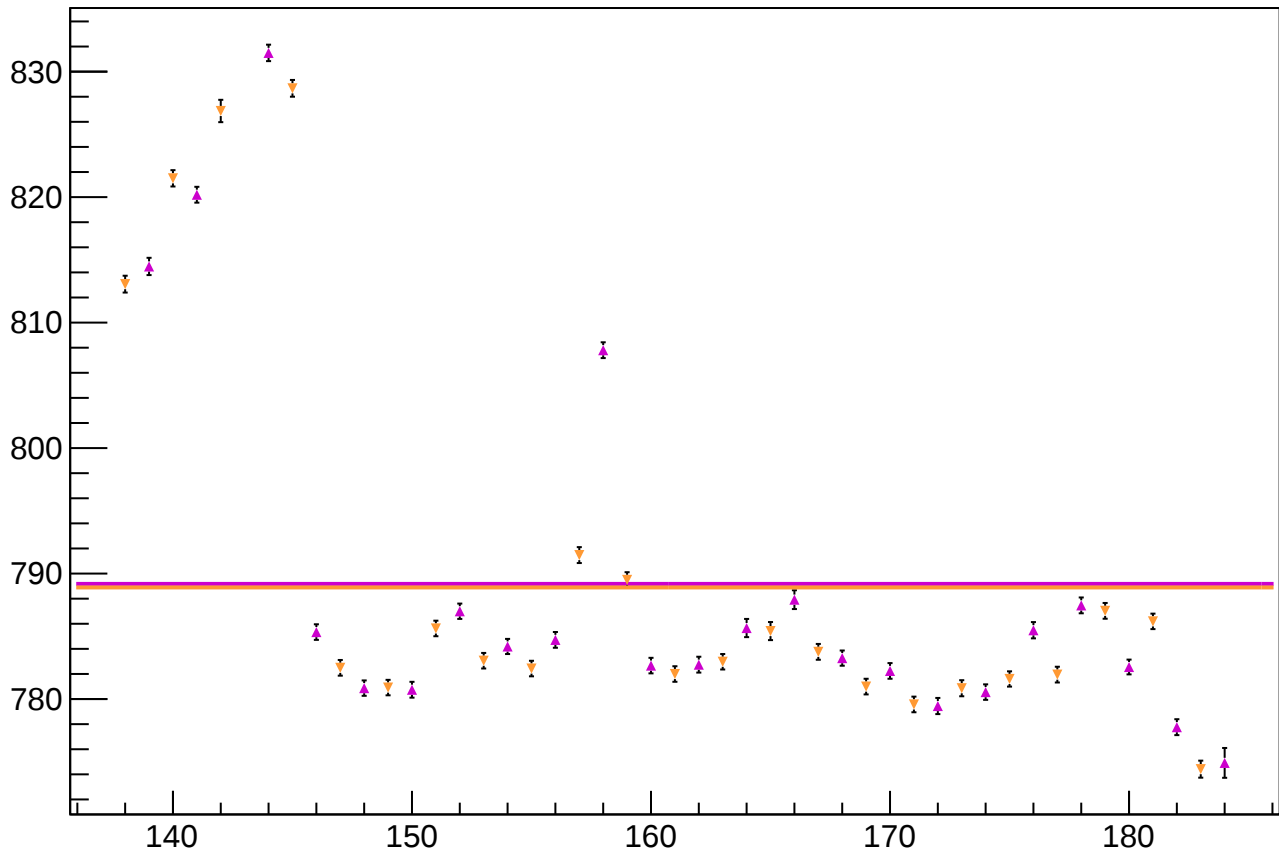
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 1861.982+/-188.820 χ^2/NDF :14.8/22

All: 2001.635+/-133.982 χ^2/NDF : 48.3/45

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 788.895+/-0.134 χ^2/NDF :11287.8/22

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: 789.035+/-0.095 χ^2/NDF : 22150.4/45

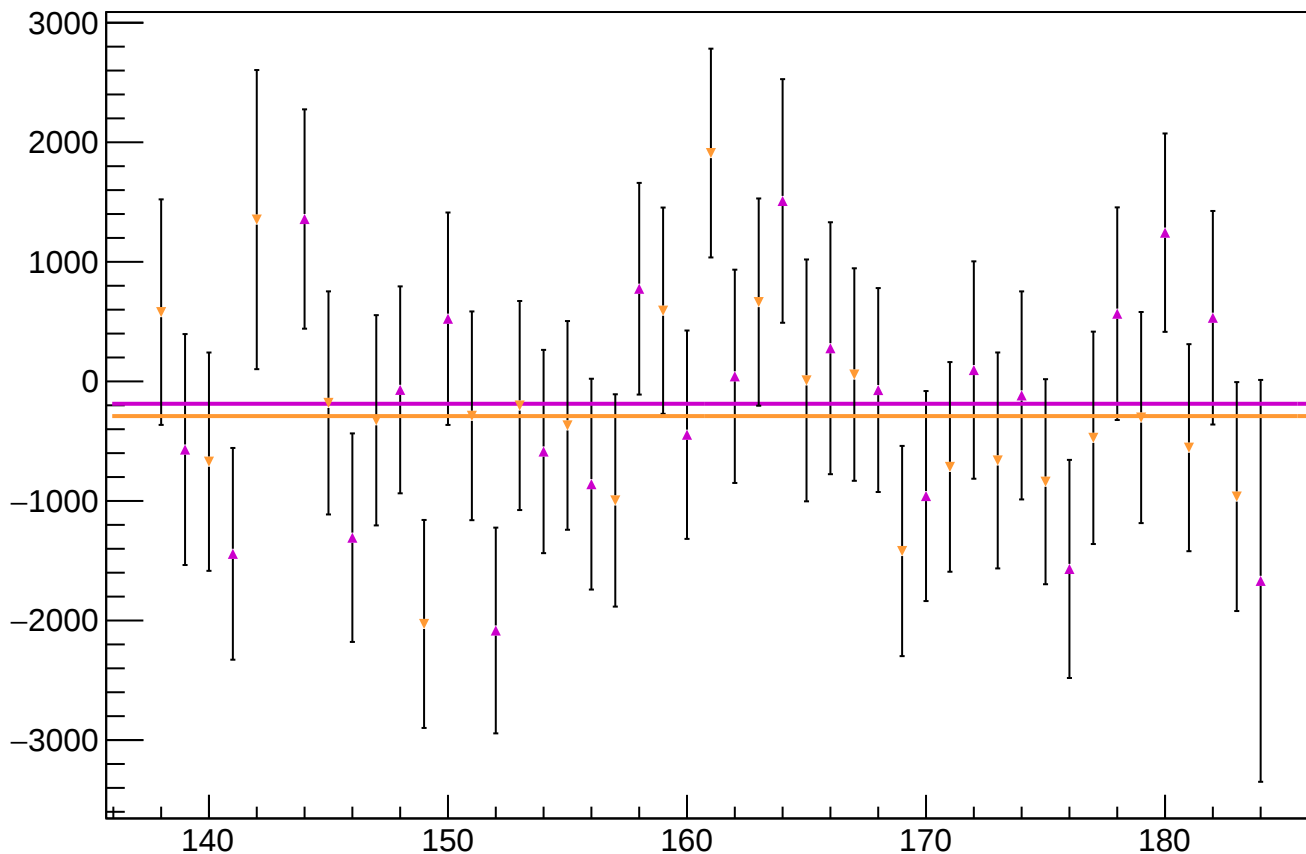
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 788.895+/-0.134 χ^2/NDF :11287.8/22

All: 789.035+/-0.095 χ^2/NDF : 22150.4/45

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -290.147+/-187.938 χ^2/NDF :19.3/22

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

Left In: -187.105+/-189.265 χ^2/NDF :25.6/22

Left: -238.989+/-133.359 χ^2/NDF : 45.1/45

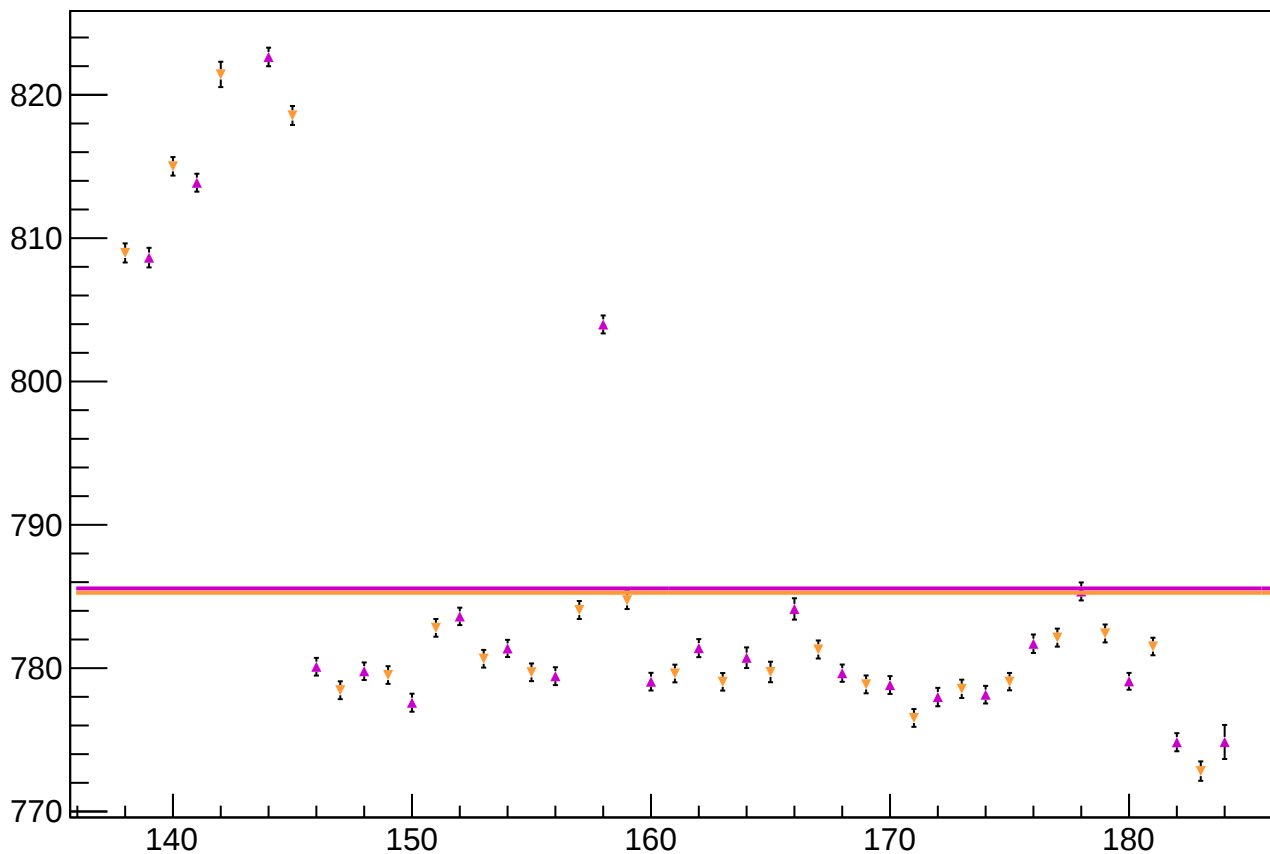
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -187.105+/-189.265 χ^2/NDF :25.6/22

Out: -290.147+/-187.938 χ^2/NDF :19.3/22

All: -238.989+/-133.359 χ^2/NDF : 45.1/45

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 785.261+/-0.133 χ^2/NDF : 9193.9/22

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: 785.411+/-0.094 χ^2/NDF : 18229.4/45

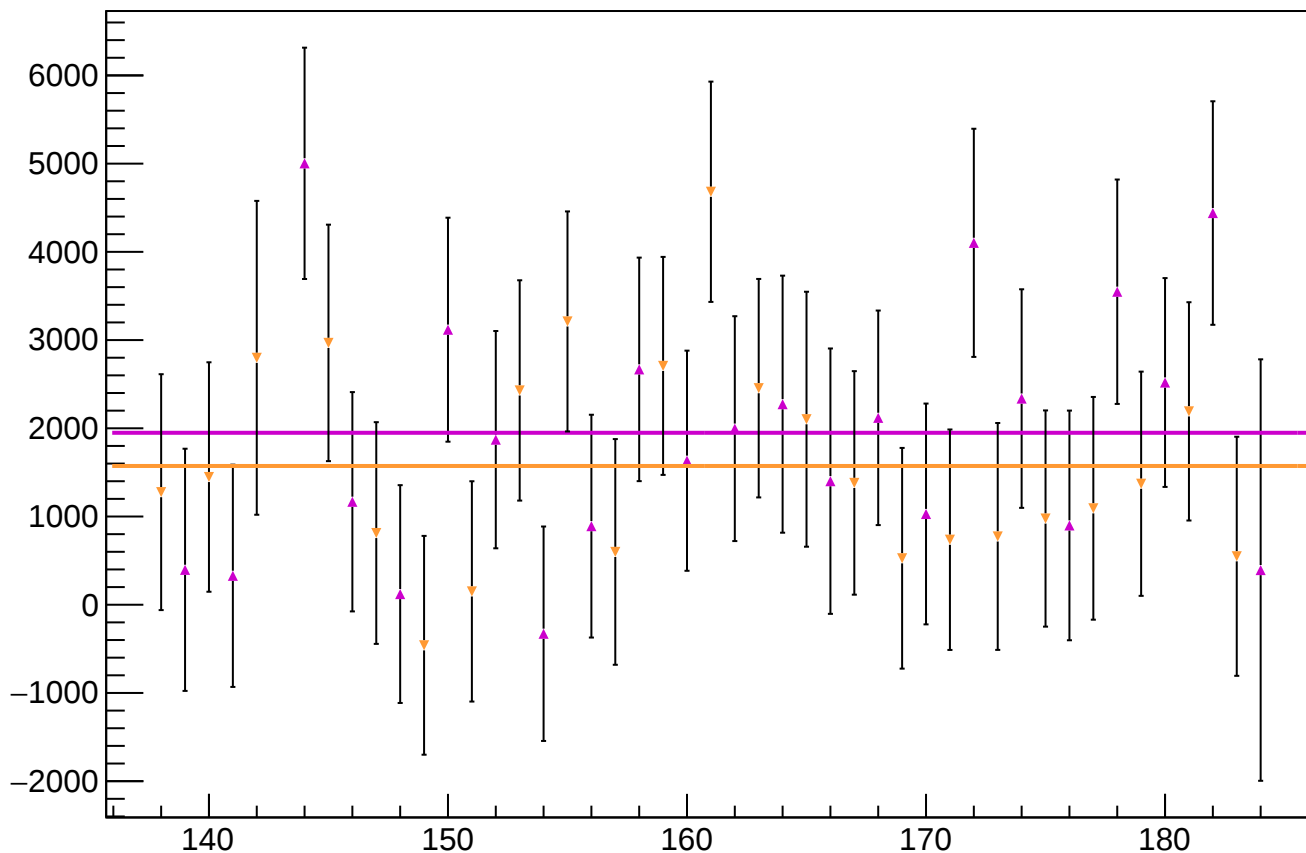
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 785.261+/-0.133 χ^2/NDF : 9193.9/22

All: 785.411+/-0.094 χ^2/NDF : 18229.4/45

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1572.883+/-268.323 χ^2/NDF :19.2/22

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

Left In: 1949.077+/-270.080 χ^2/NDF :26.8/22

Left: 1759.753+/-190.351 χ^2/NDF : 47.0/45

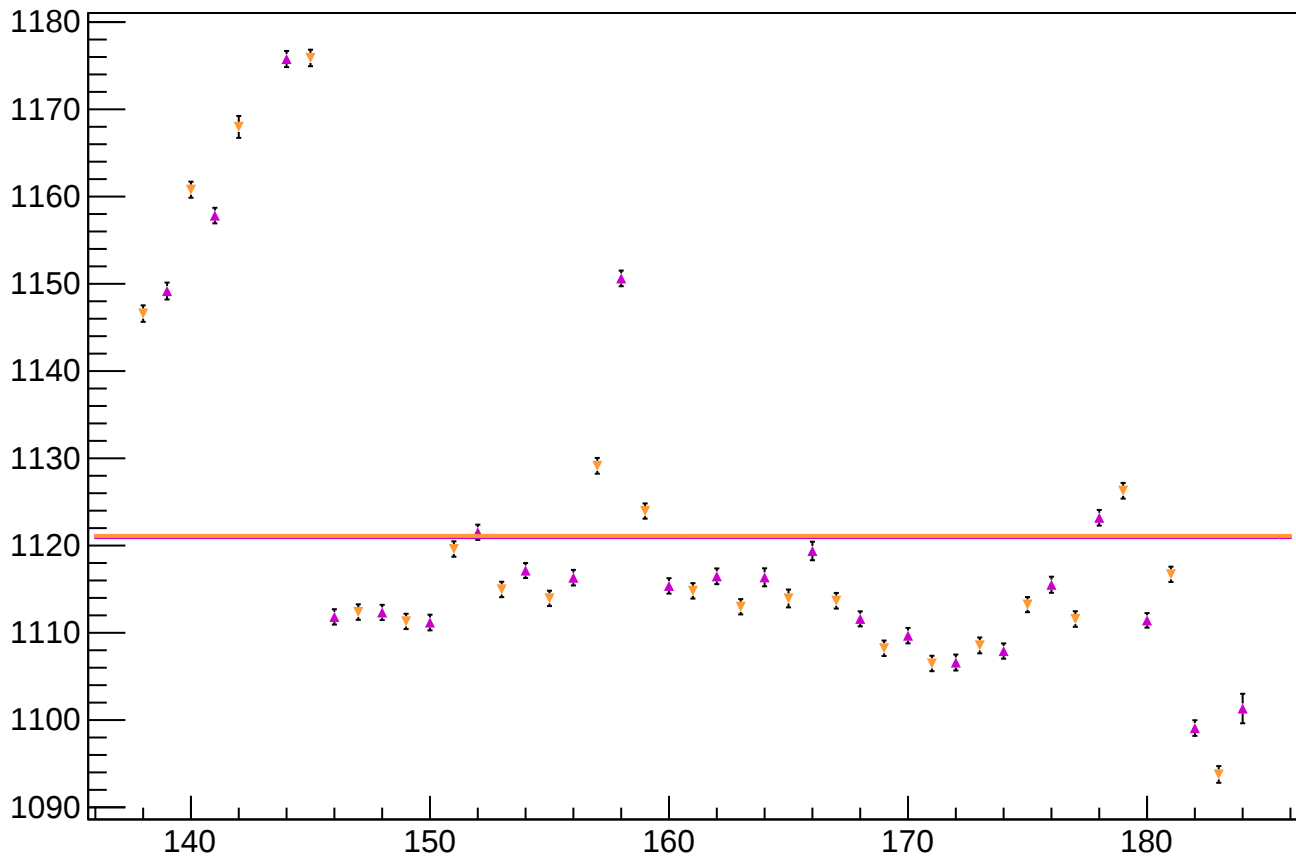
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1949.077+/-270.080 χ^2/NDF :26.8/22

Out: 1572.883+/-268.323 χ^2/NDF :19.2/22

All: 1759.753+/-190.351 χ^2/NDF : 47.0/45

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1121.109+/-0.190 χ^2/NDF : 9747.8/22

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: 1121.044+/-0.135 χ^2/NDF : 19007.7/45

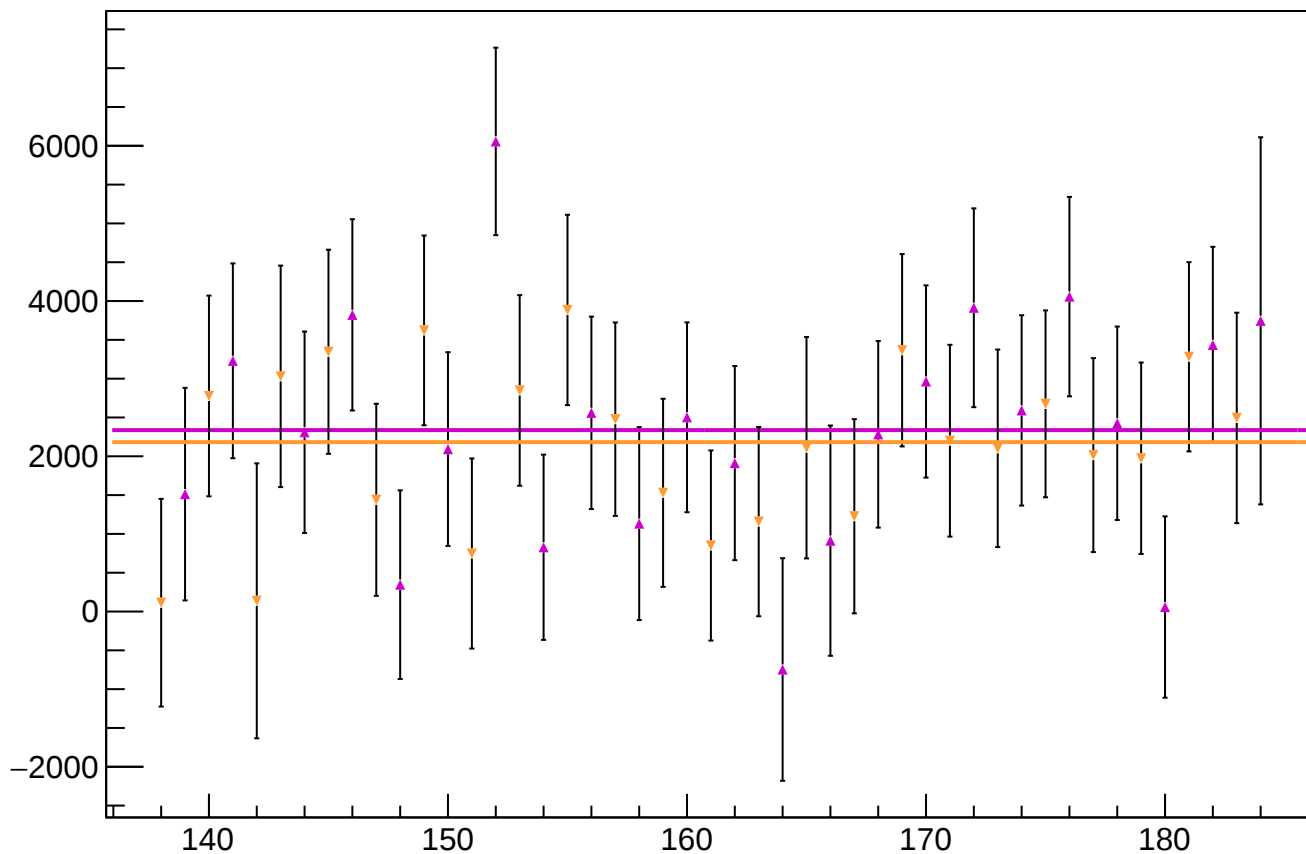
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 1121.109+/-0.190 χ^2/NDF : 9747.8/22

All: 1121.044+/-0.135 χ^2/NDF : 19007.7/45

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2182.258 $\pm$ 260.046 χ^2 /NDF:15.2/23

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

Left In: 2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

Left: 2257.855 $\pm$ 186.109 χ^2 /NDF: 46.7/46

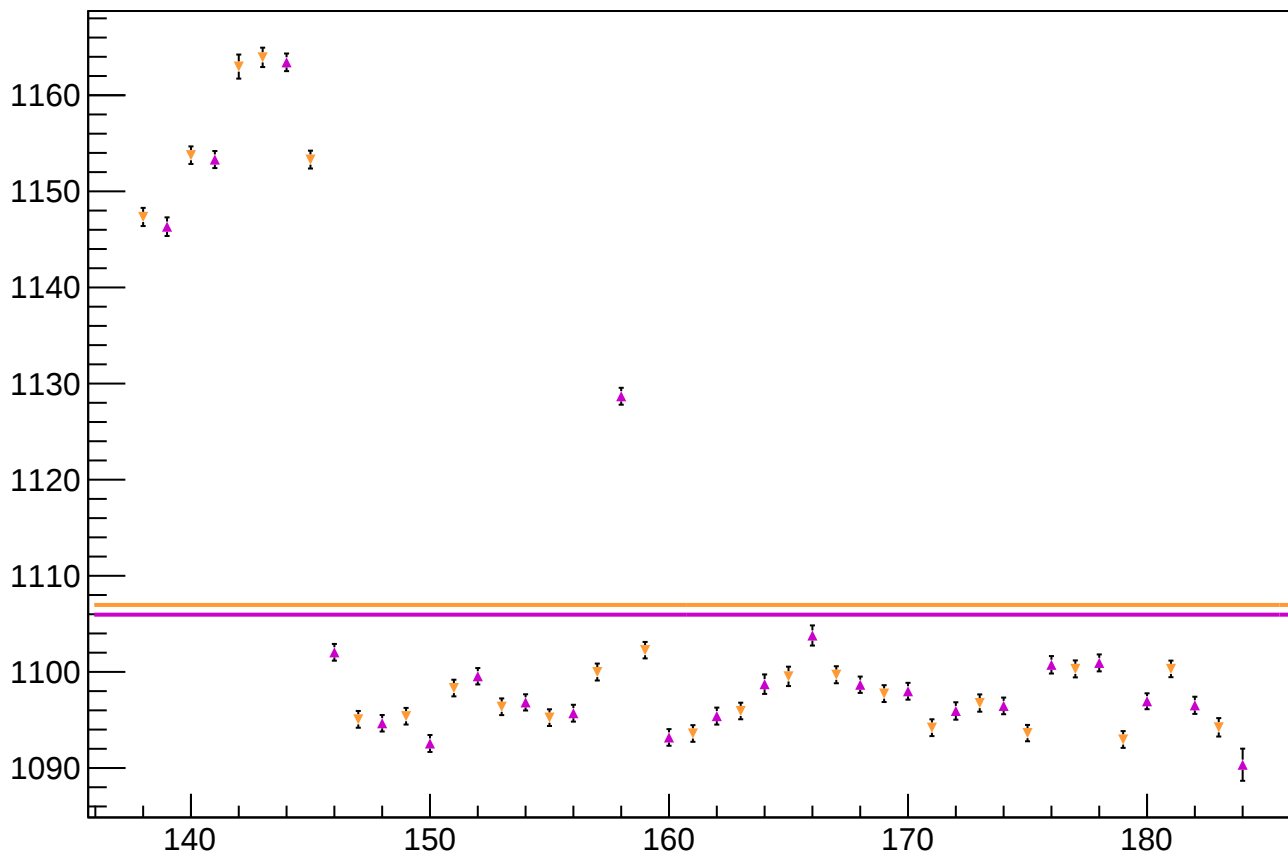
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 2337.232 $\pm$ 266.468 χ^2 /NDF:31.3/22

Out: 2182.258 $\pm$ 260.046 χ^2 /NDF:15.2/23

All: 2257.855 $\pm$ 186.109 χ^2 /NDF: 46.7/46

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1106.968+/-0.184 χ^2/NDF :14778.4/23

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: 1106.474+/-0.132 χ^2/NDF : 25904.5/46

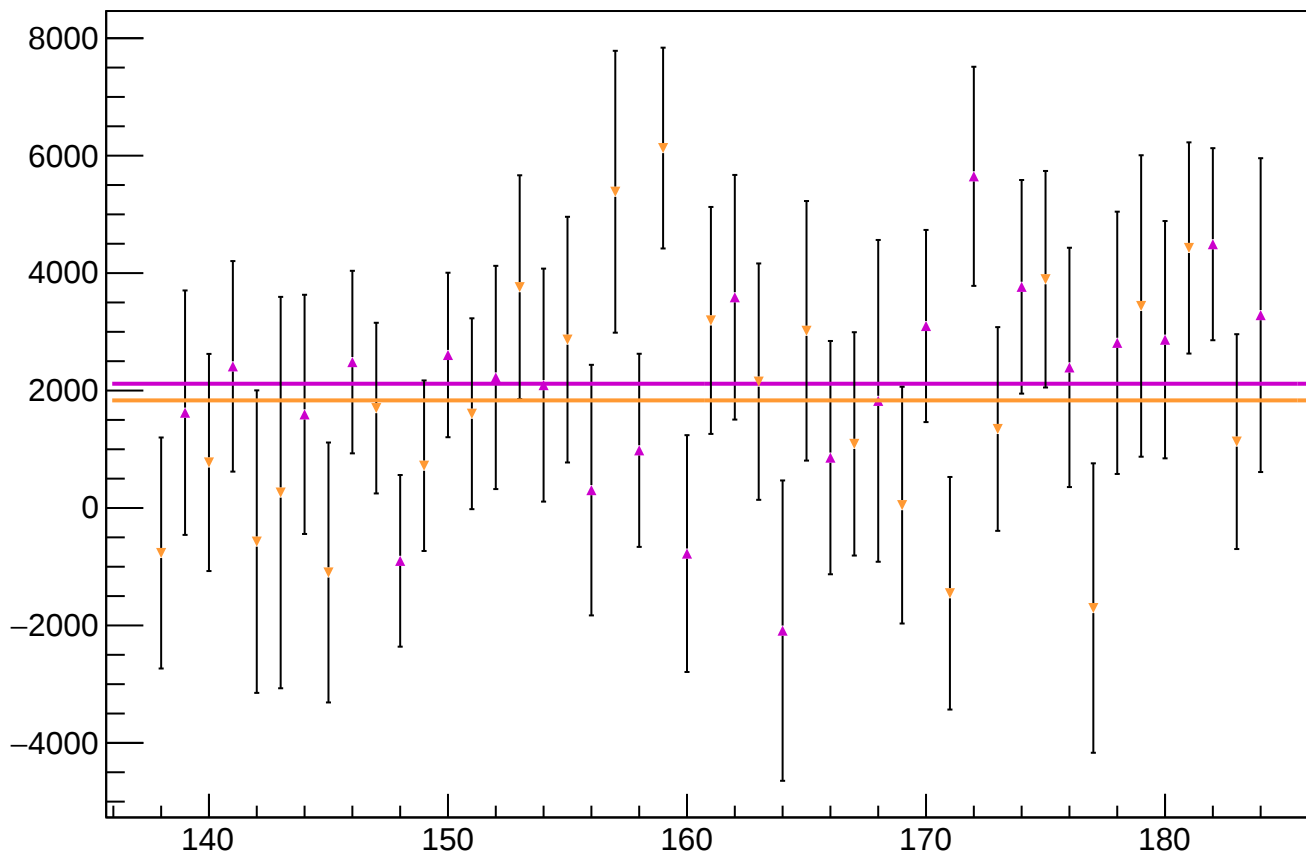
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 1106.968+/-0.184 χ^2/NDF :14778.4/23

All: 1106.474+/-0.132 χ^2/NDF : 25904.5/46

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1832.382+/-395.585 χ^2/NDF :25.8/23

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: 1975.179+/-278.801 χ^2/NDF : 44.9/46

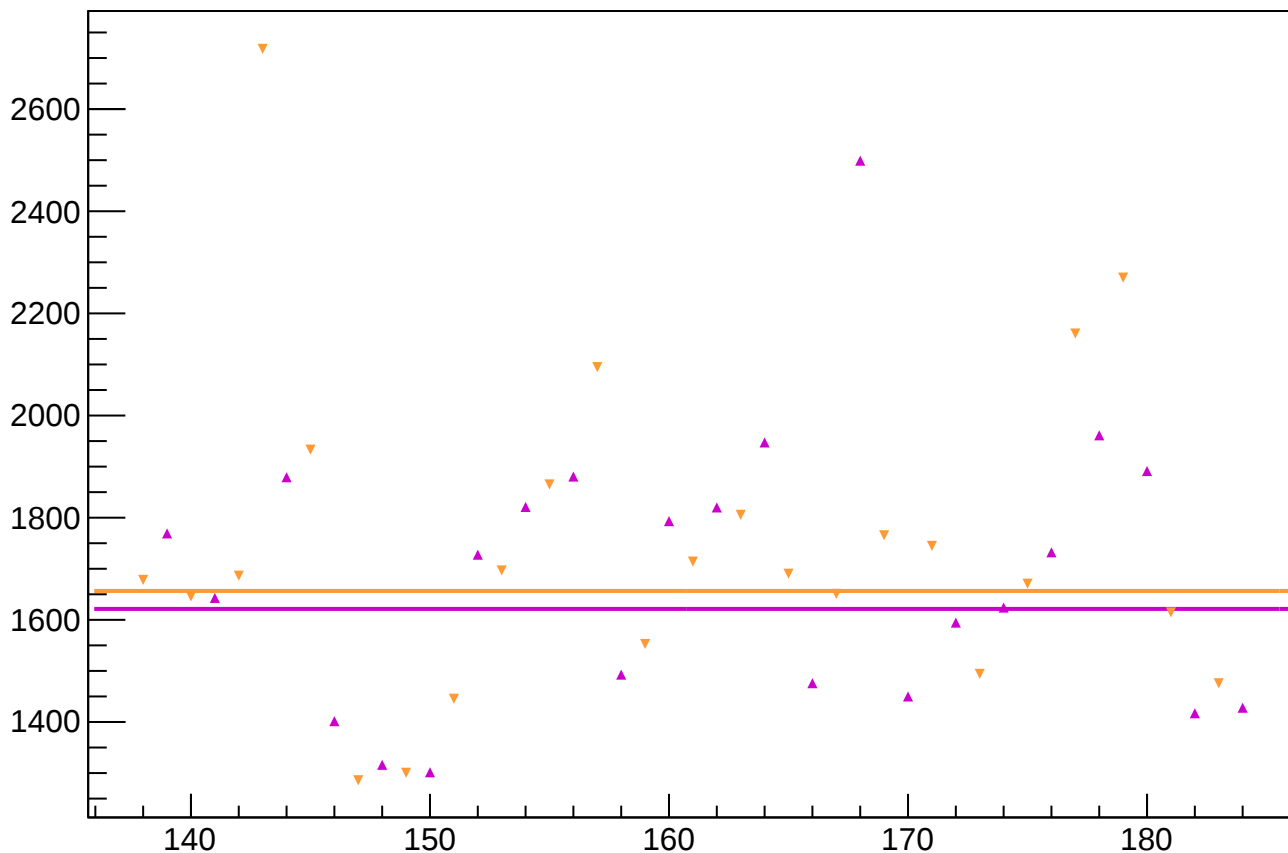
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 1832.382+/-395.585 χ^2/NDF :25.8/23

All: 1975.179+/-278.801 χ^2/NDF : 44.9/46

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1656.576 $\pm$ 0.280 χ^2/NDF :872846.9/23

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

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

Left: 1638.881 $\pm$ 0.197 χ^2/NDF : 1656108.1/46

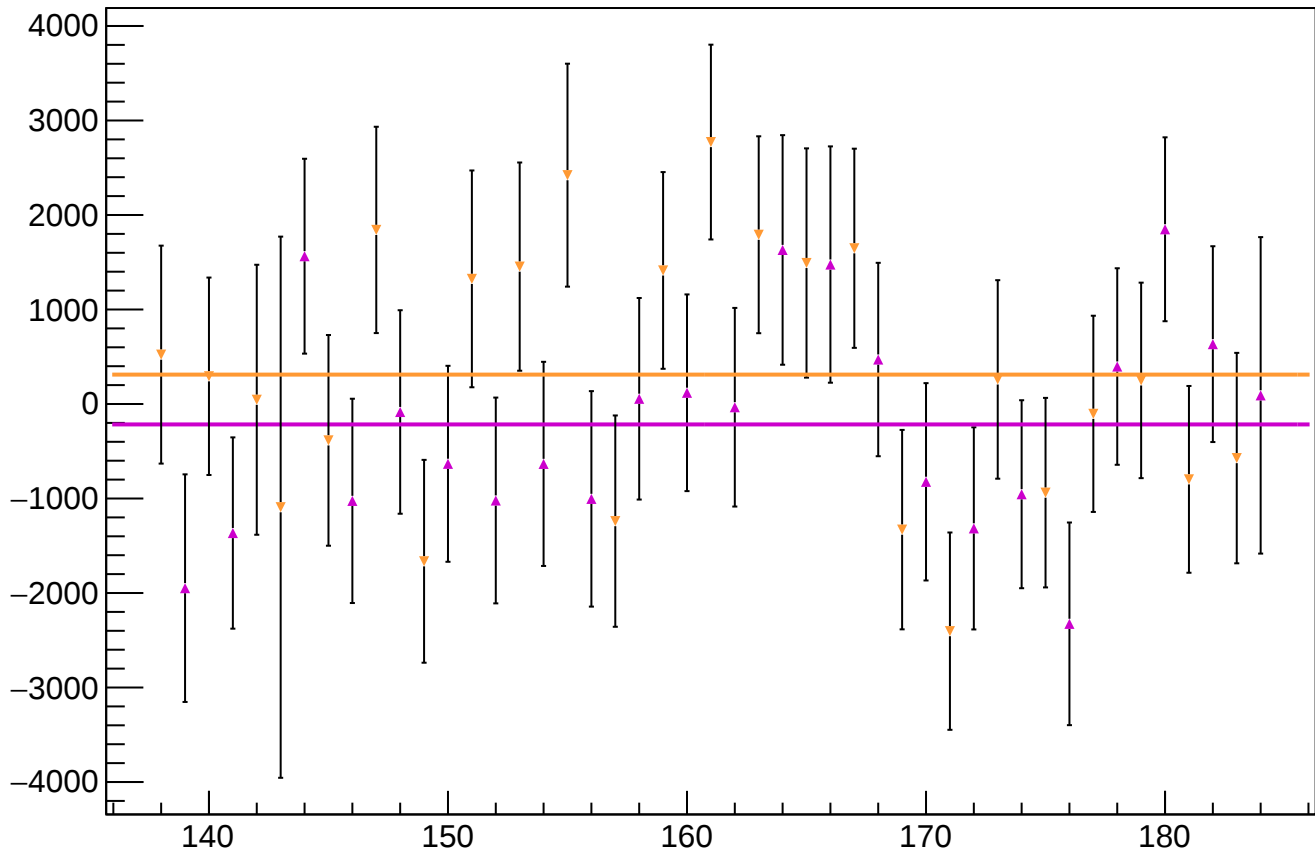
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

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

Out: 1656.576 $\pm$ 0.280 χ^2/NDF :872846.9/23

All: 1638.881 $\pm$ 0.197 χ^2/NDF : 1656108.1/46

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 311.082+/-225.469 χ^2/NDF :37.2/23

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

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

Left: 47.634+/-159.477 χ^2/NDF : 64.4/46

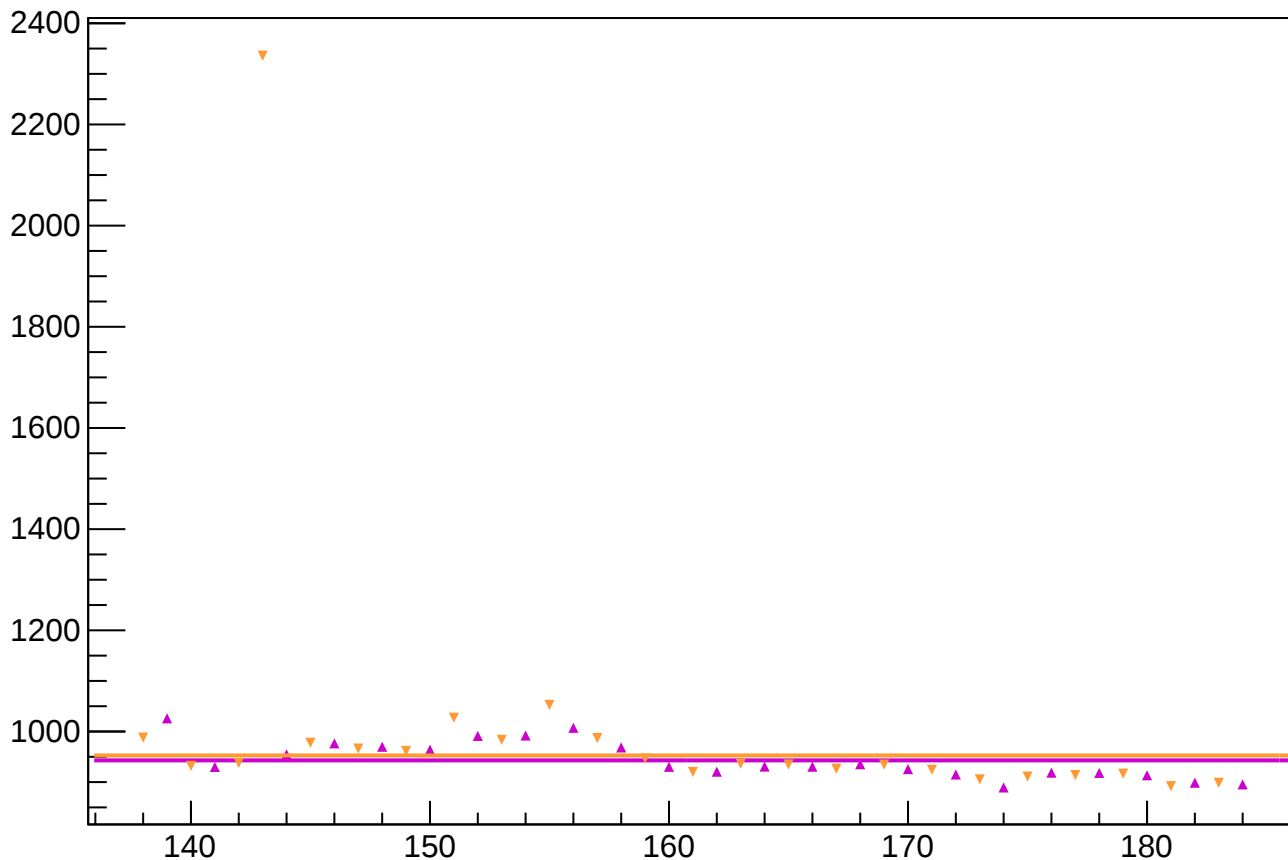
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 311.082+/-225.469 χ^2/NDF :37.2/23

All: 47.634+/-159.477 χ^2/NDF : 64.4/46

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 952.722+/-0.159 χ^2/NDF : 528660.6/23

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: 947.827+/-0.113 χ^2/NDF : 578949.8/46

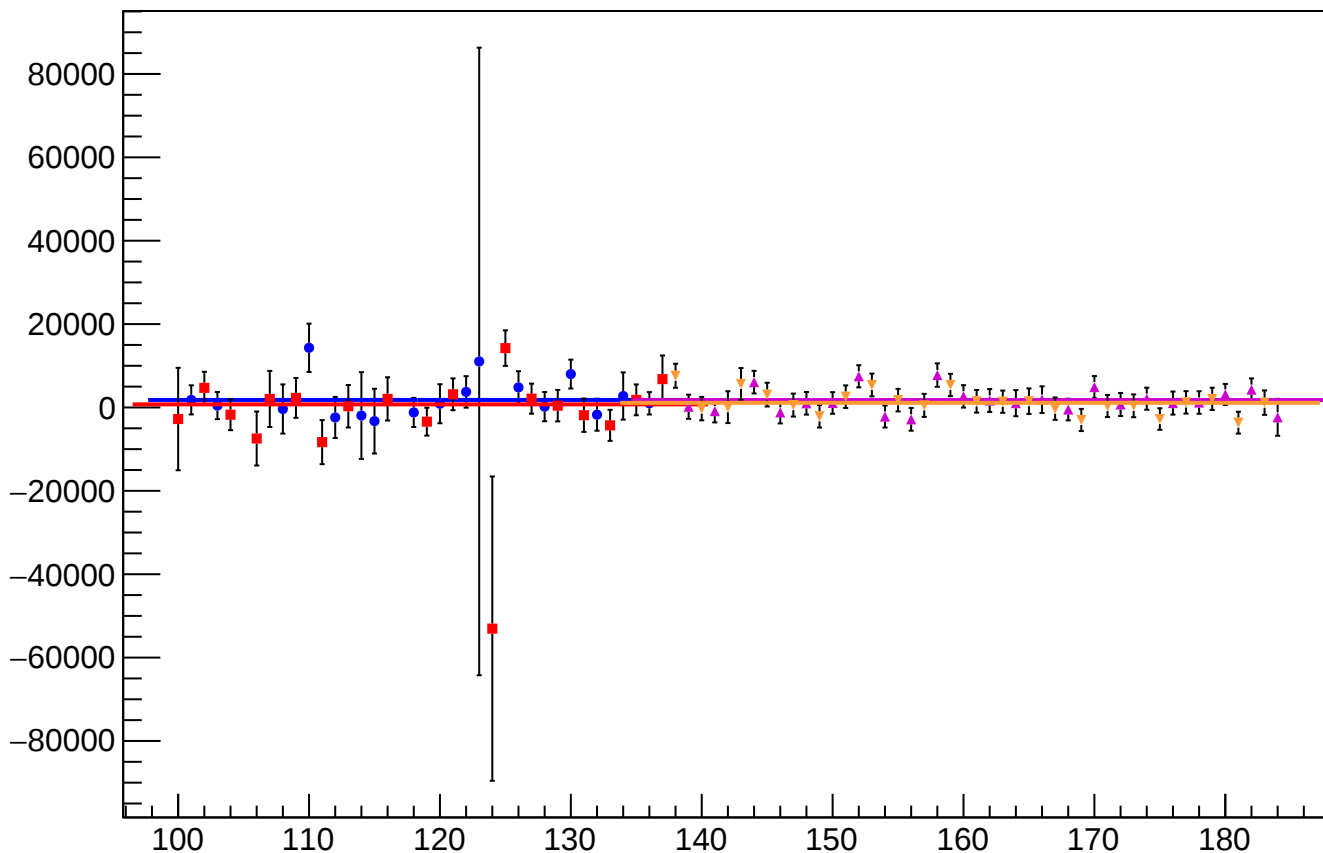
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 952.722+/-0.159 χ^2/NDF : 528660.6/23

All: 947.827+/-0.113 χ^2/NDF : 578949.8/46

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1110.252+/-569.260 χ^2/NDF : 22.7/23

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: 1439.813+/-404.853 χ^2/NDF : 47.5/46

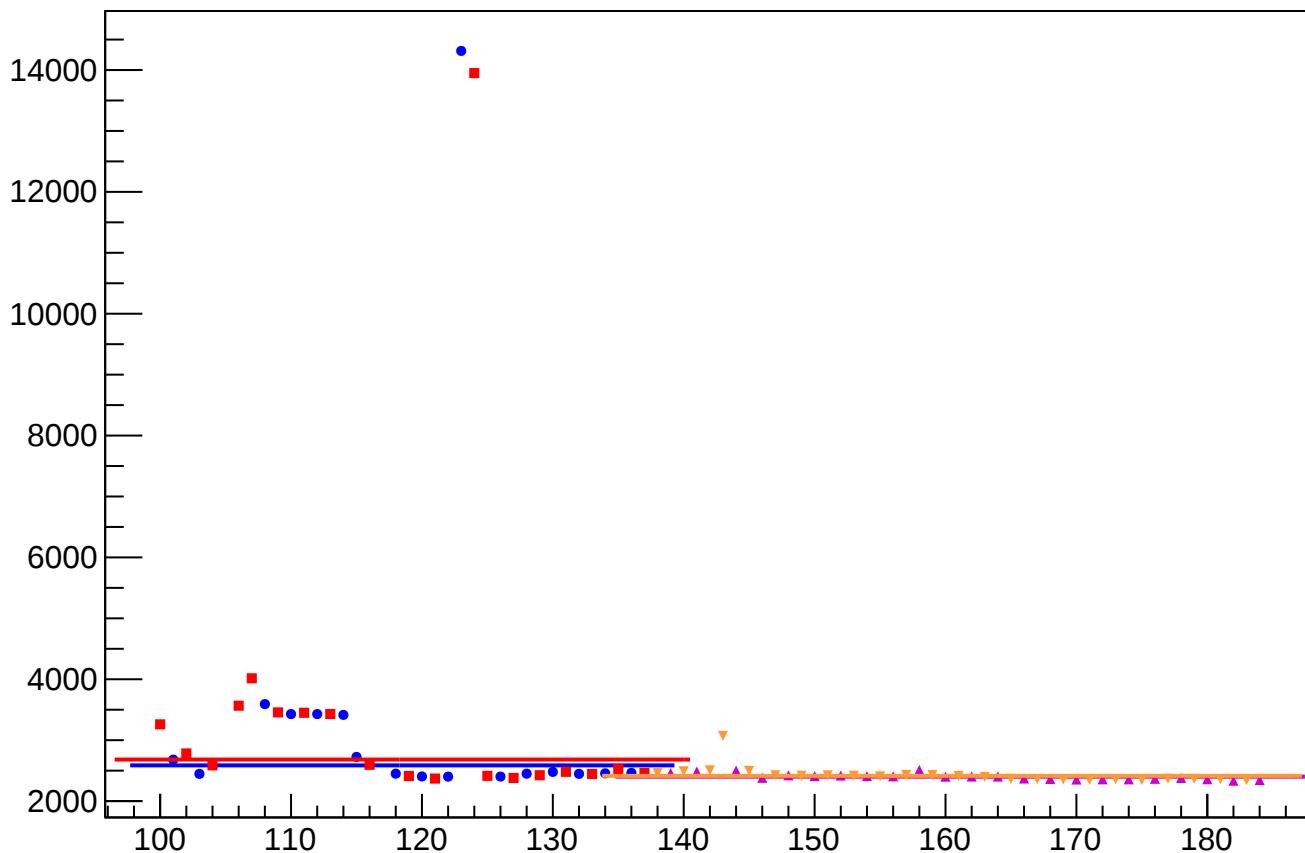
Right: 1279.574+/-722.186 χ^2/NDF : 36.9/35

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

Out: 1023.129+/-497.875 χ^2/NDF : 46.9/42

All: 1401.497+/-353.147 χ^2/NDF : 84.5/82

reg_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2414.749+/-0.403 χ^2/NDF : 73496.2/23

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: 2408.162+/-0.286 χ^2/NDF : 87785.5/46

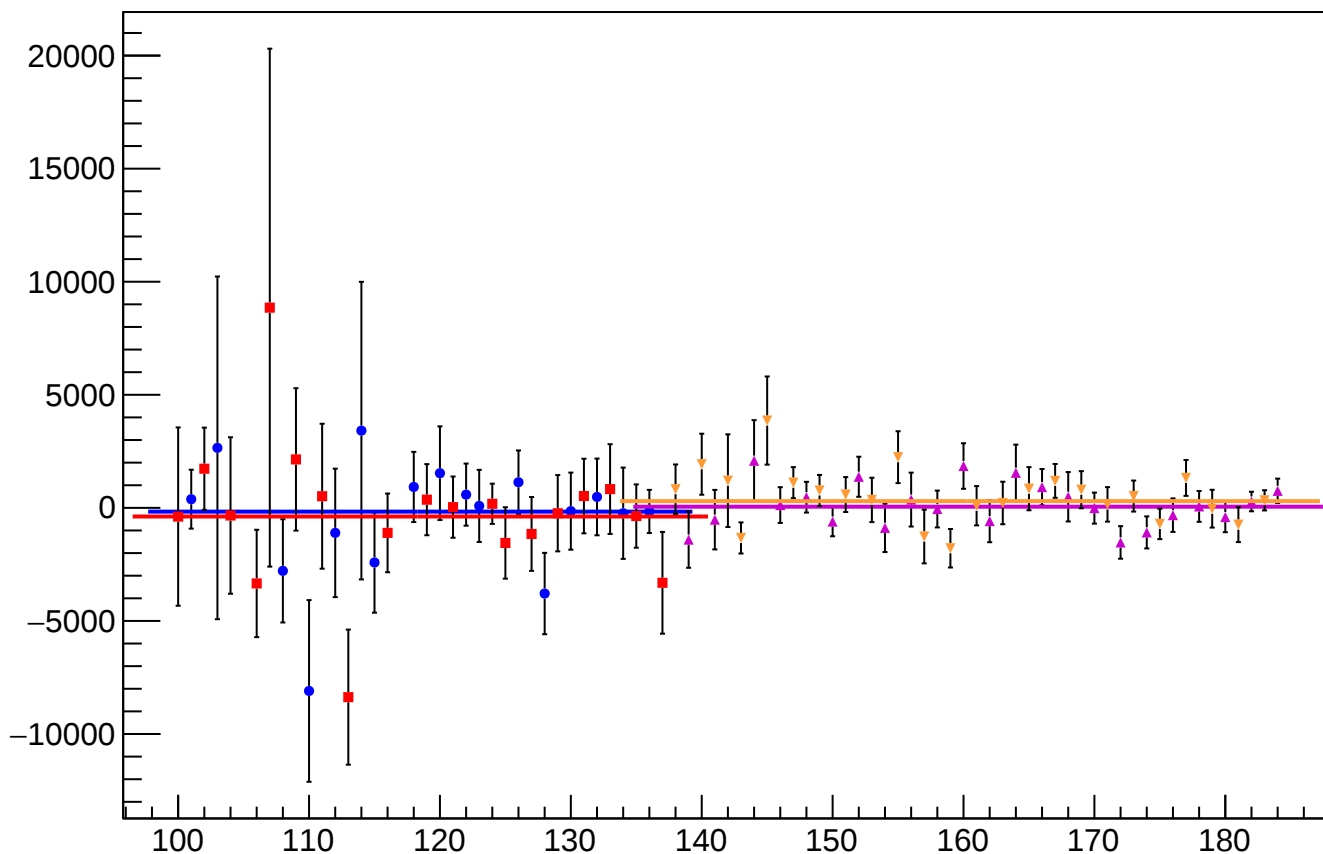
Right: 2633.687+/-0.511 χ^2/NDF : 791675.3/35

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

Out: 2477.574+/-0.352 χ^2/NDF : 706187.3/42

All: 2462.090+/-0.250 χ^2/NDF : 1027862.1/82

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 297.565 ± 165.721 χ^2/NDF : 31.7/23

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: 171.521 ± 115.751 χ^2/NDF : 56.7/46

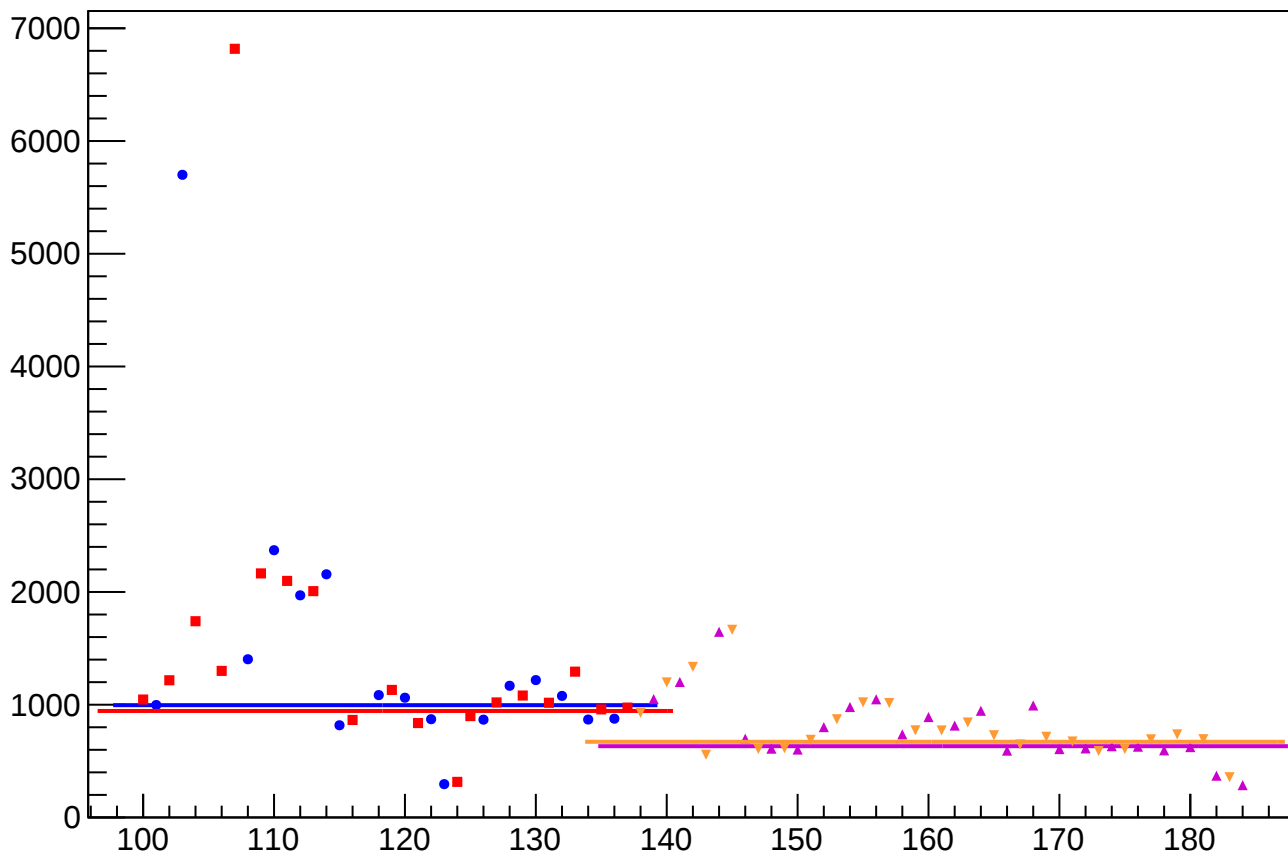
Right: -277.620 ± 293.864 χ^2/NDF : 29.1/35

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

Out: 202.064 ± 153.646 χ^2/NDF : 49.6/42

All: 111.195 ± 107.697 χ^2/NDF : 87.8/82

asym_atl1_correction_rms vs Slug, Sign Corrected



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

Left Out: 671.158+/-0.117 χ^2/NDF : 2861582.9/23

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: 651.130+/-0.082 χ^2/NDF : 6861469.9/46

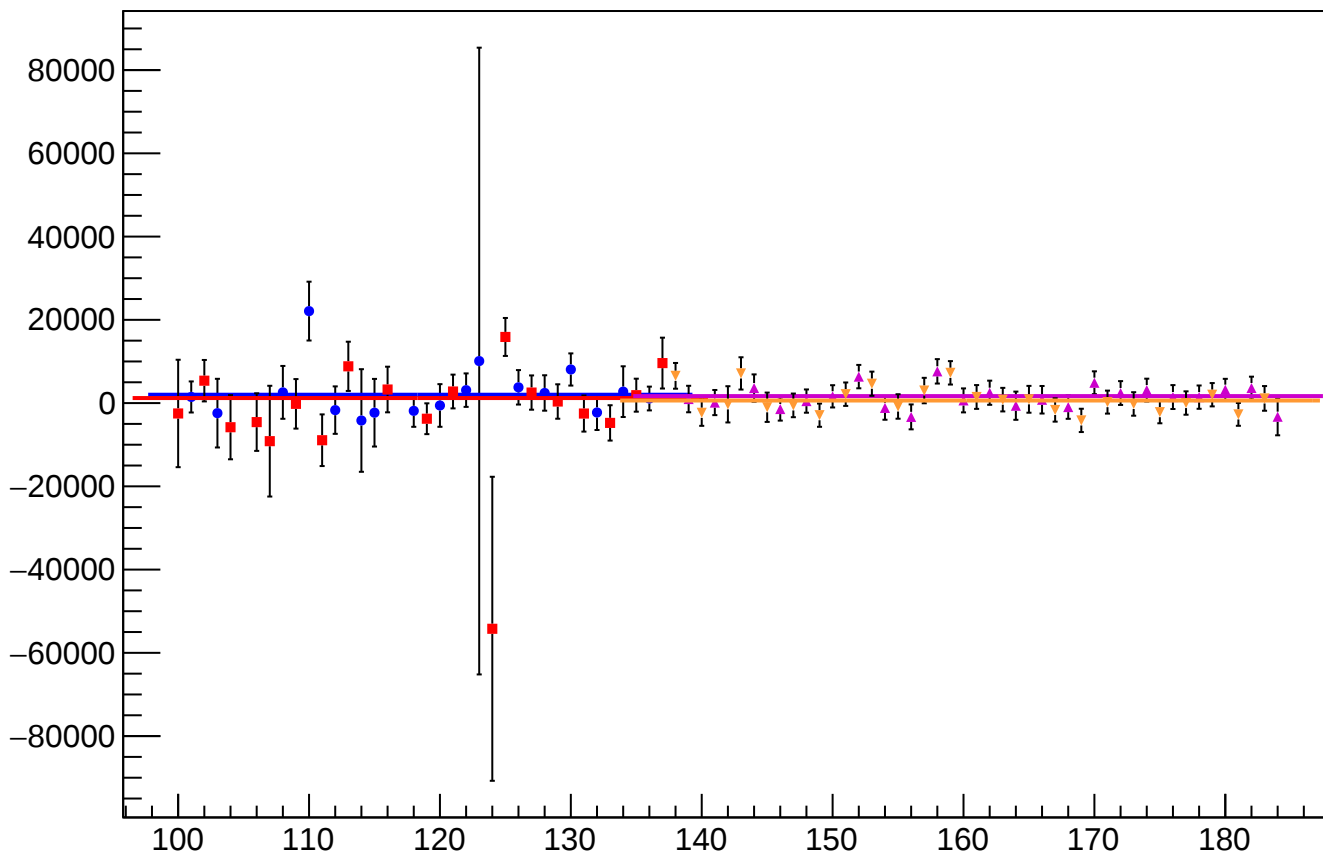
Right: 969.516+/-0.208 χ^2/NDF : 4584680.9/35

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

Out: 709.550+/-0.109 χ^2/NDF : 6292422.8/42

All: 693.894+/-0.076 χ^2/NDF : 13478527.5/82

asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 620.865+/-603.256 χ^2/NDF : 24.7/23

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: 1144.238+/-428.969 χ^2/NDF : 44.4/46

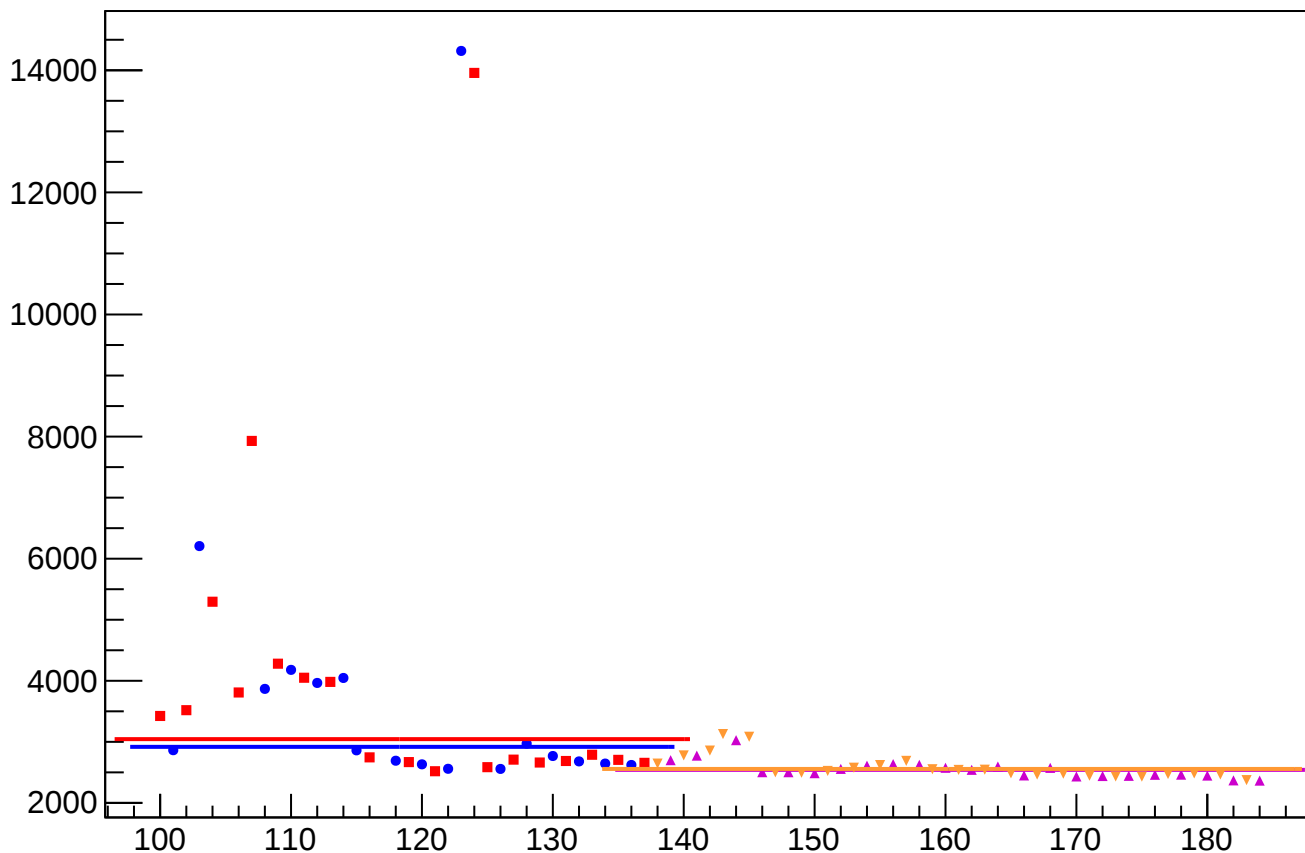
Right: 1618.280+/-832.315 χ^2/NDF : 41.6/35

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

Out: 740.891+/-538.163 χ^2/NDF : 51.7/42

All: 1243.730+/-381.305 χ^2/NDF : 86.2/82

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2556.086+/-0.427 χ^2/NDF :145427.4/23

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: 2548.622+/-0.303 χ^2/NDF : 240803.4/46

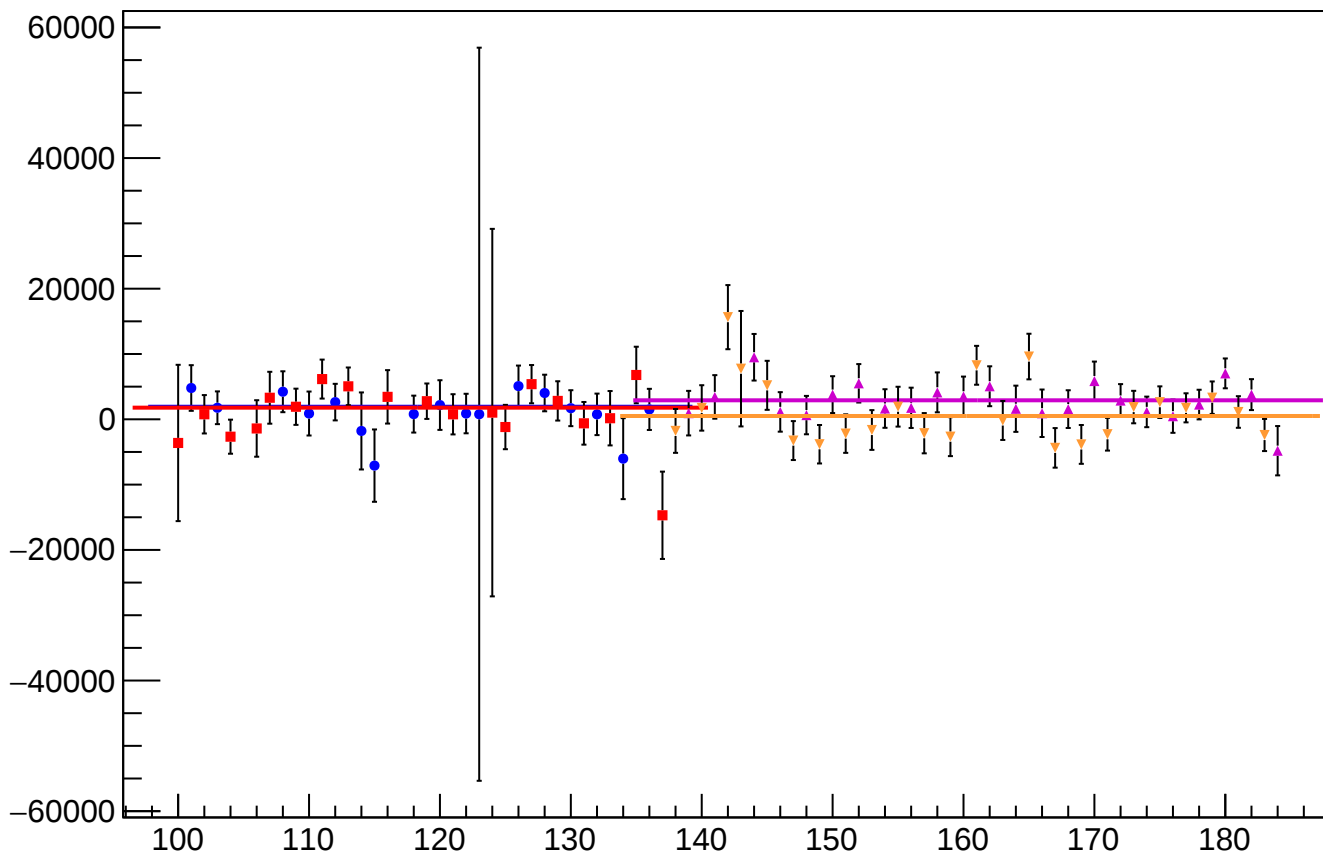
Right: 2979.768+/-0.589 χ^2/NDF : 1654973.1/35

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

Out: 2655.799+/-0.381 χ^2/NDF :1419778.6/42

All: 2639.111+/-0.270 χ^2/NDF : 2319806.3/82

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1924.076 $\pm$ 813.616 χ^2 /NDF: 8.1/16

Left Out: 506.507 $\pm$ 598.314 χ^2 /NDF: 43.2/23

Right Out: 1783.264 $\pm$ 792.384 χ^2 /NDF: 18.2/18

Left In: 2909.108 $\pm$ 599.673 χ^2 /NDF: 17.4/22

Left: 1705.082 $\pm$ 423.552 χ^2 /NDF: 68.6/46

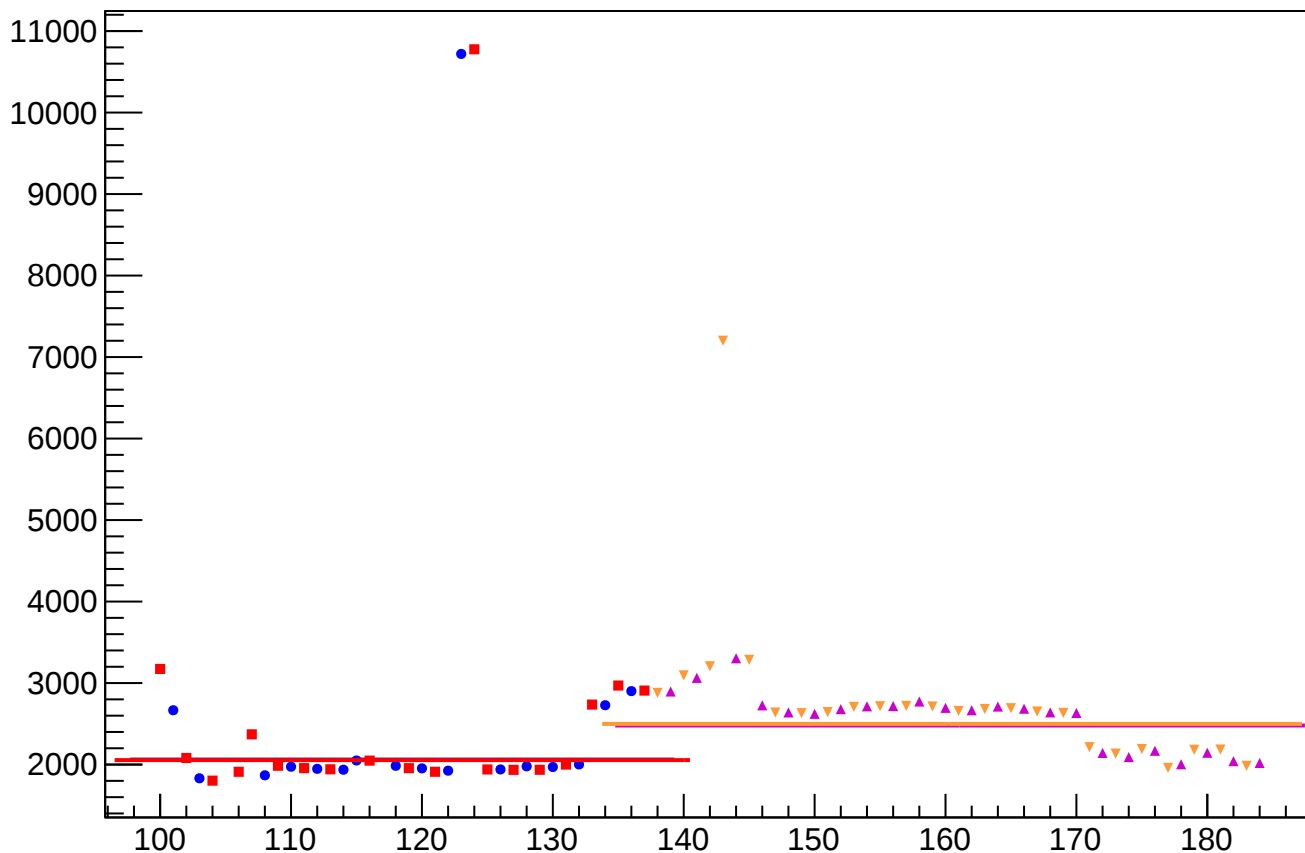
Right: 1851.809 $\pm$ 567.658 χ^2 /NDF: 26.3/35

In: 2562.364 $\pm$ 482.723 χ^2 /NDF: 26.4/39

Out: 970.119 $\pm$ 477.484 χ^2 /NDF: 63.1/42

All: 1757.555 $\pm$ 339.469 χ^2 /NDF: 95.0/82

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 2498.647+/-0.423 χ^2/NDF :1234637.0/23

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: 2489.020+/-0.299 χ^2/NDF : 1904073.3/46

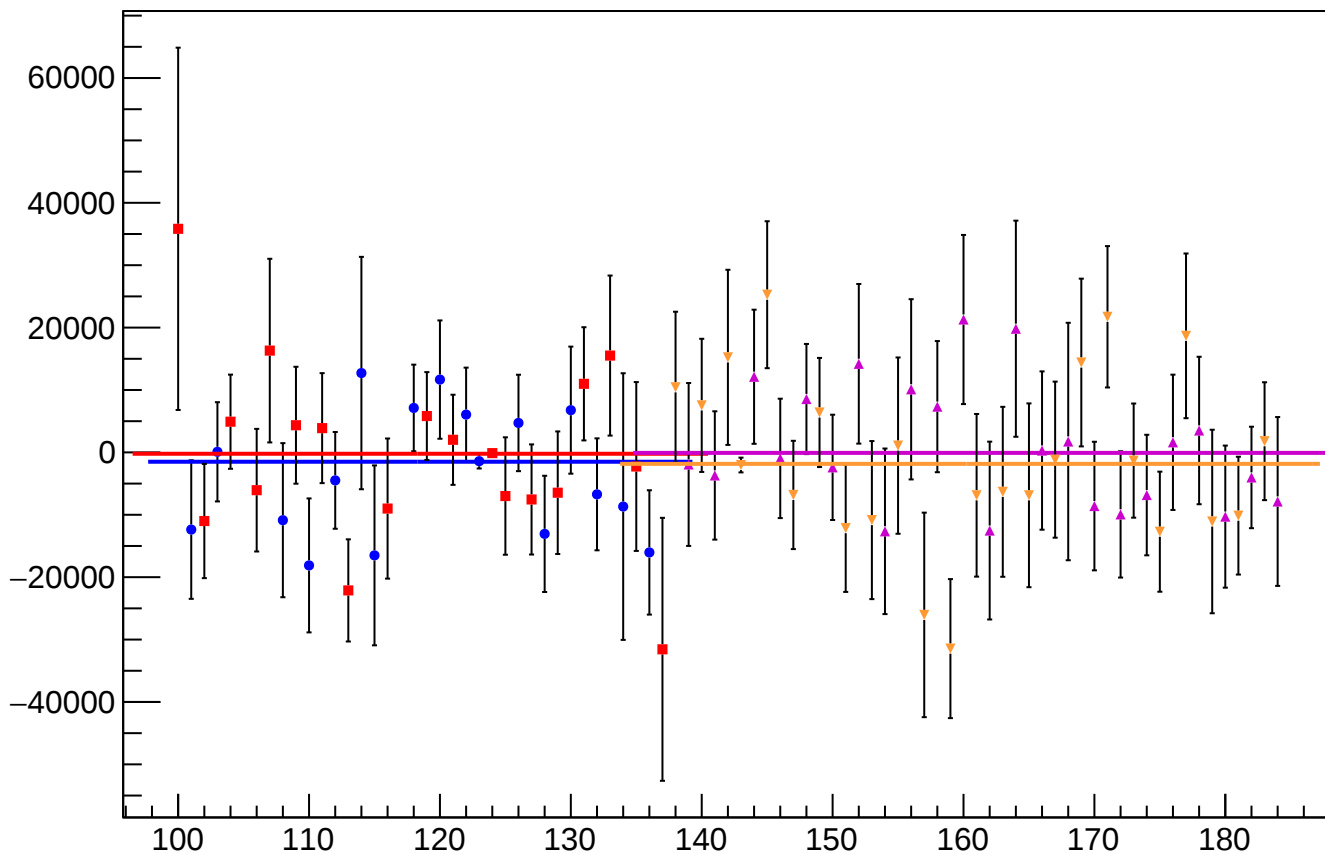
Right: 2057.625+/-0.401 χ^2/NDF : 759329.8/35

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

Out: 2337.436+/-0.338 χ^2/NDF :2076166.2/42

All: 2334.742+/-0.240 χ^2/NDF : 3405390.6/82

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -1500.129 $\pm$ 1054.661 χ^2/NDF : 15.7/16

Left Out: -1839.180 $\pm$ 1058.237 χ^2/NDF : 31.8/23

Right Out: -219.966 $\pm$ 695.338 χ^2/NDF : 21.0/18

Left In: -80.274 $\pm$ 2331.531 χ^2/NDF : 13.8/22

Left: -1538.728 $\pm$ 963.625 χ^2/NDF : 46.1/46

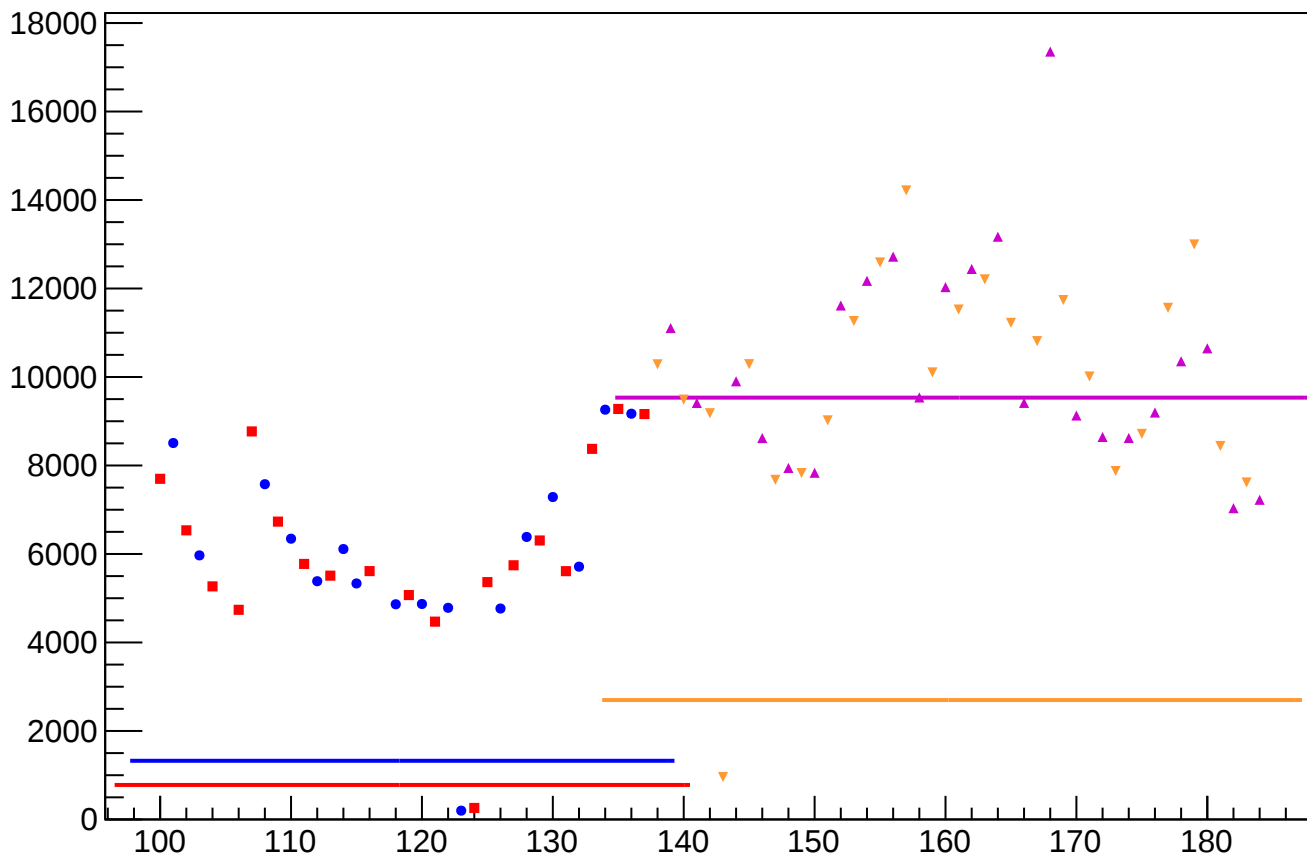
Right: -607.828 $\pm$ 580.522 χ^2/NDF : 37.7/35

In: -1258.950 $\pm$ 960.923 χ^2/NDF : 29.8/39

Out: -708.241 $\pm$ 581.116 χ^2/NDF : 54.4/42

All: -855.713 $\pm$ 497.259 χ^2/NDF : 84.5/82

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1326.061+/-0.746 χ^2/NDF : 10027581.6/16

Left Out: 2699.002+/-0.748 χ^2/NDF : 22787565.6/23

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: 3866.467+/-0.681 χ^2/NDF : 38354333.9/46

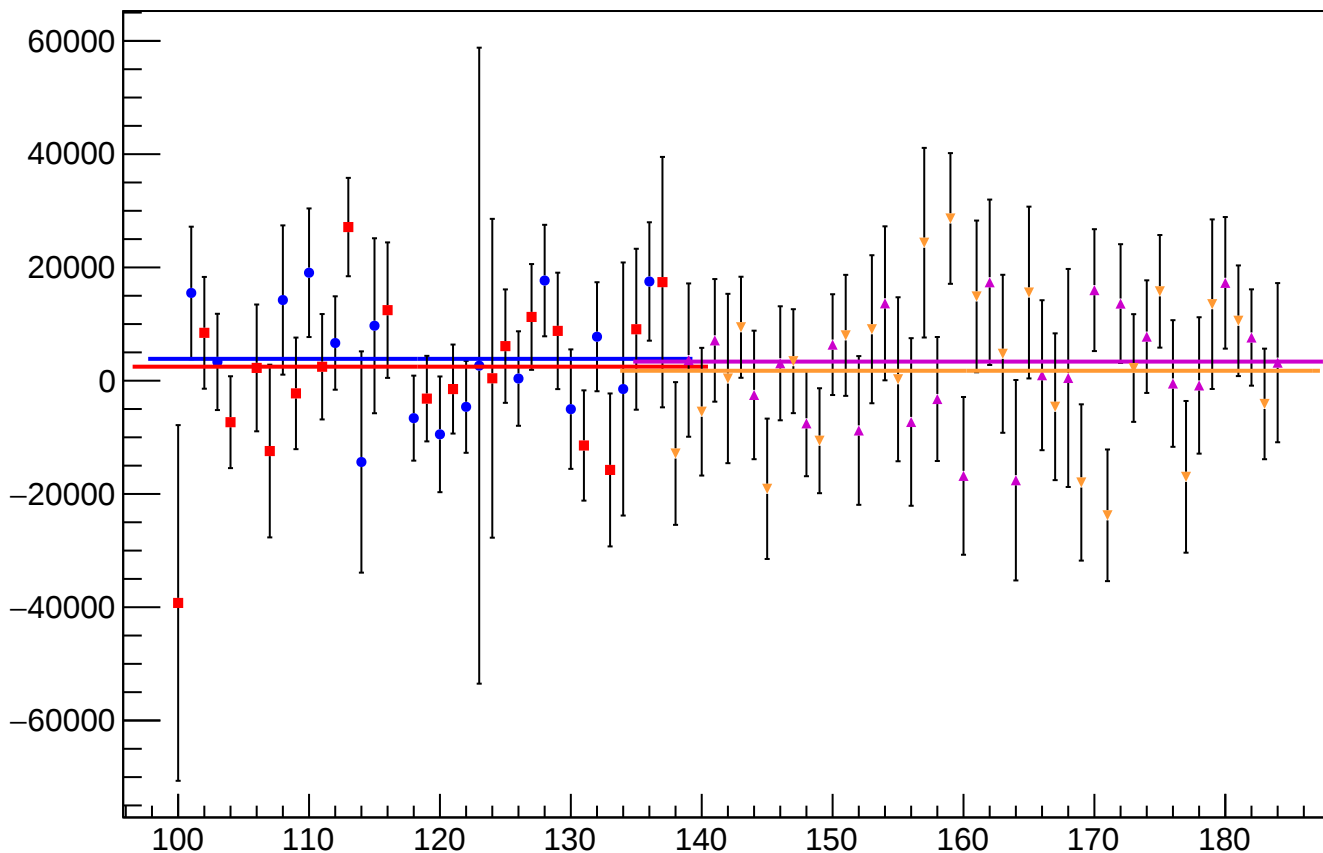
Right: 945.309+/-0.410 χ^2/NDF : 21807921.5/35

In: 2720.198+/-0.679 χ^2/NDF : 31918292.9/39

Out: 1358.541+/-0.411 χ^2/NDF : 38788424.6/42

All: 1723.173+/-0.352 χ^2/NDF : 73647256.8/80

asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: 1753.223+/-2373.372 χ^2/NDF : 29.7/23

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: 2545.749+/-1695.584 χ^2/NDF : 43.1/46

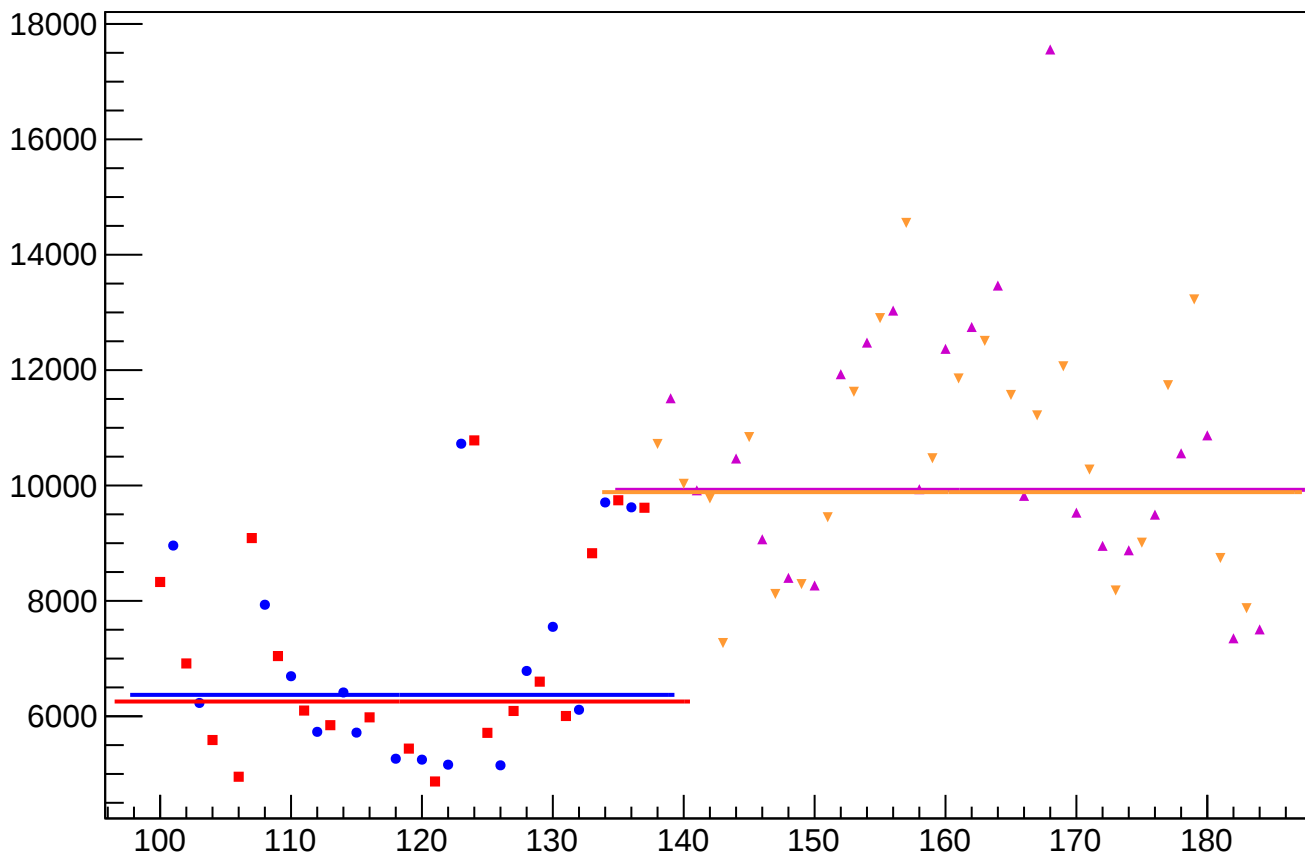
Right: 3134.188+/-1755.743 χ^2/NDF : 34.5/35

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

Out: 2105.899+/-1696.857 χ^2/NDF : 50.1/42

All: 2829.715+/-1219.673 χ^2/NDF : 77.6/82

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 9885.134+/-1.678 χ^2/NDF : 1154016.8/23

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: 9904.817+/-1.199 χ^2/NDF : 2365852.4/46

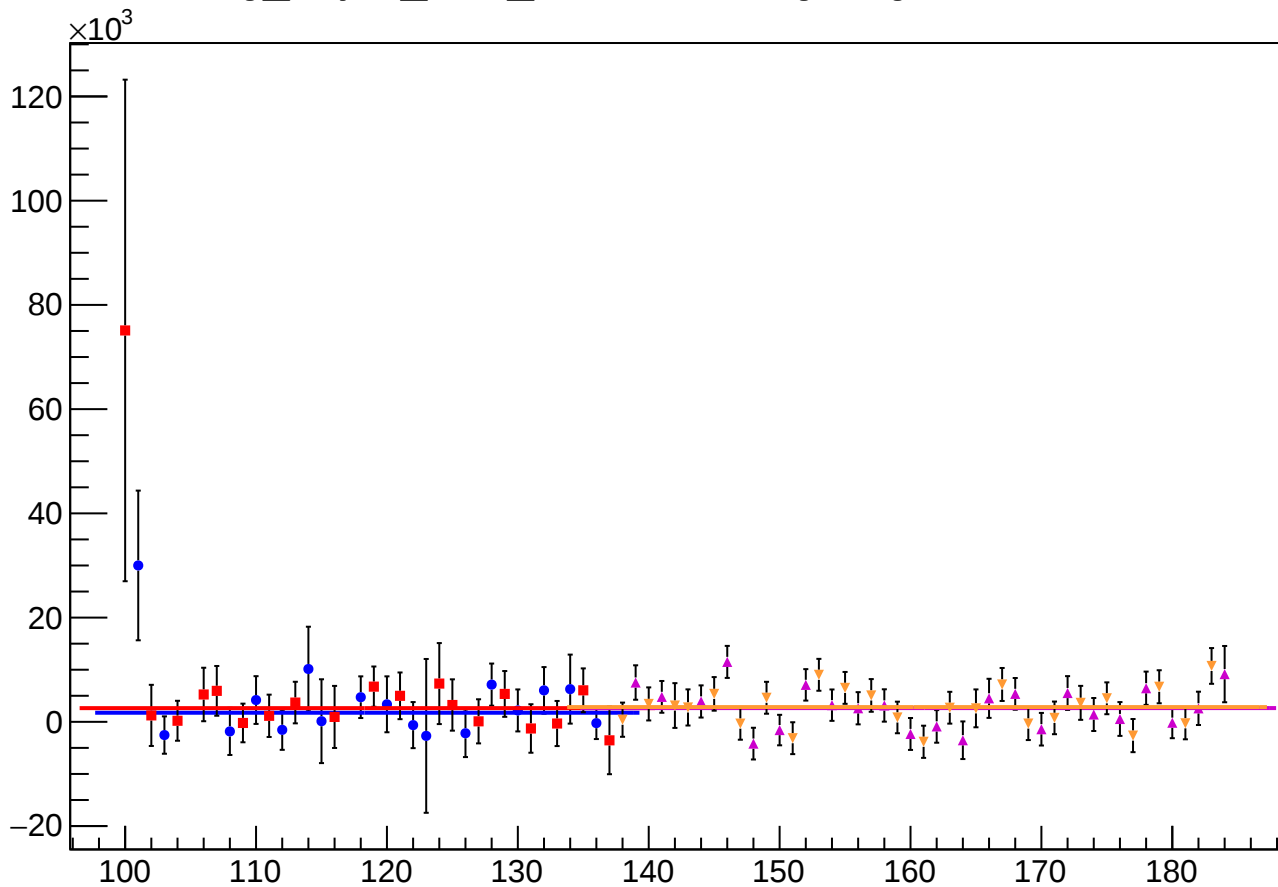
Right: 6310.557+/-1.241 χ^2/NDF : 1113620.8/35

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

Out: 8110.780+/-1.200 χ^2/NDF : 3973372.0/42

All: 8170.271+/-0.862 χ^2/NDF : 7816446.3/82

reg_asym_atr1_mean vs Slug, Sign Corrected



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

Left Out: 2830.494+/-652.510 χ^2/NDF : 32.0/23

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: 2736.307+/-465.599 χ^2/NDF : 67.3/46

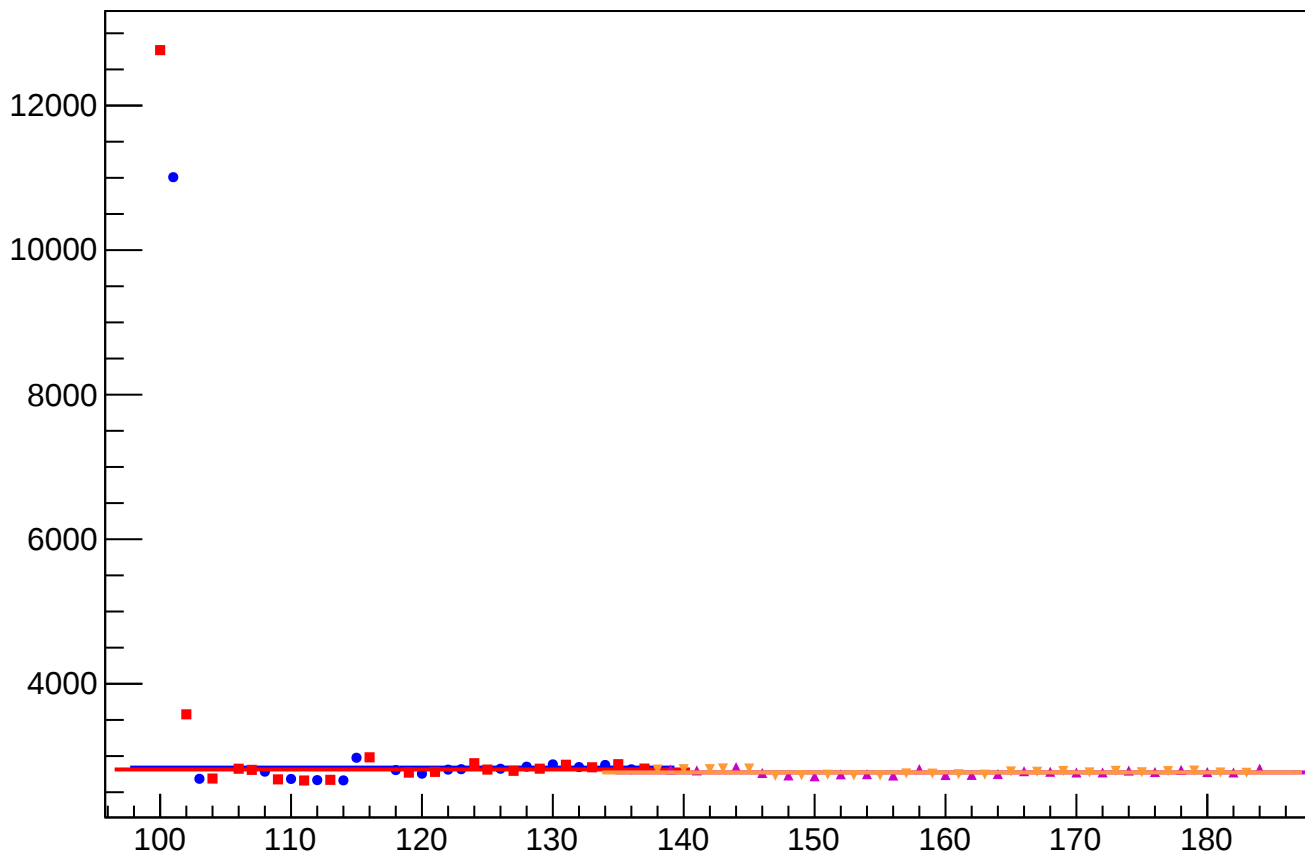
Right: 2209.883+/-779.113 χ^2/NDF : 23.4/35

In: 2409.481+/-573.015 χ^2/NDF : 49.1/39

Out: 2776.168+/-557.734 χ^2/NDF : 41.7/42

All: 2597.779+/-399.670 χ^2/NDF : 91.0/82

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2840.326+/-0.800 χ^2/NDF : 660130.0/16

Left Out: 2773.593+/-0.461 χ^2/NDF : 4559.2/23

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: 2773.810+/-0.329 χ^2/NDF : 9545.0/46

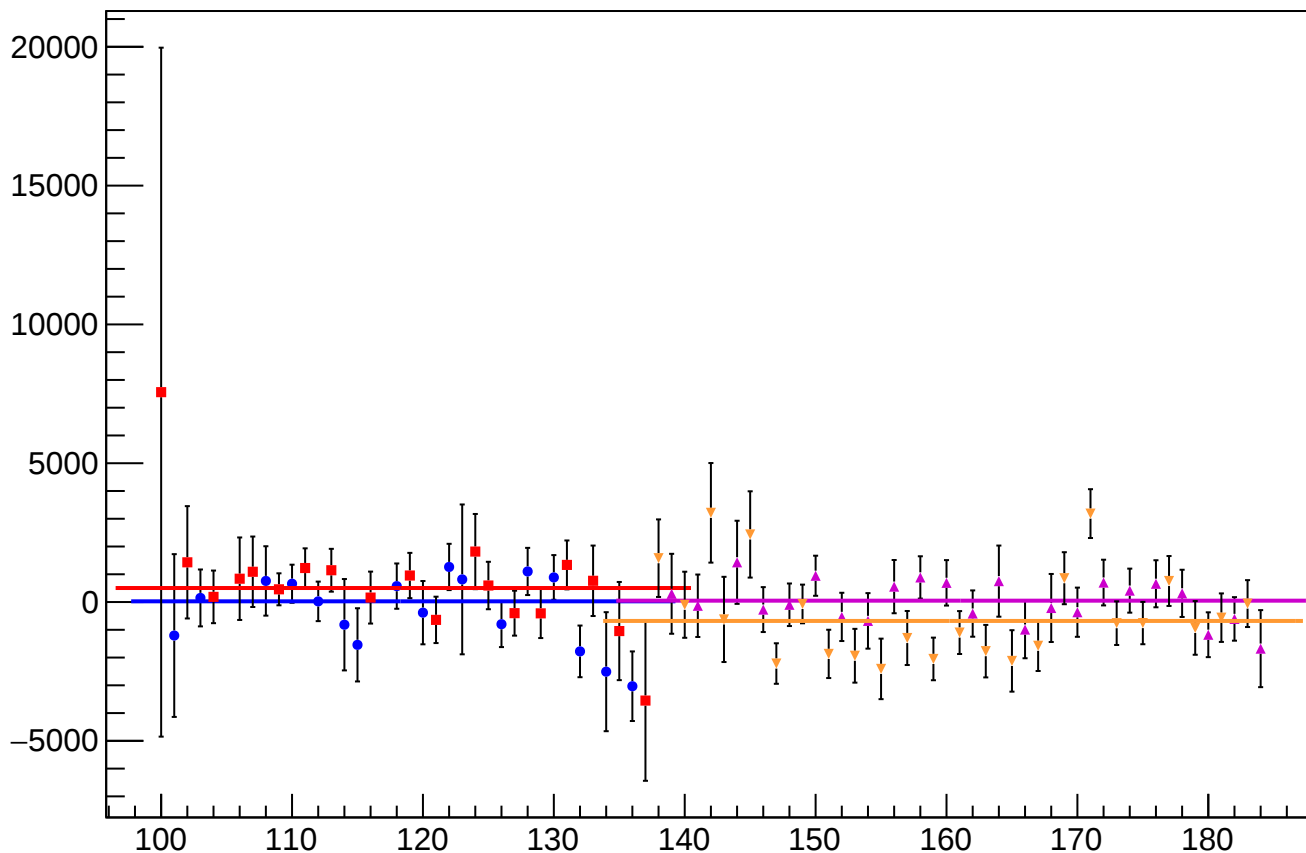
Right: 2826.815+/-0.551 χ^2/NDF : 793710.6/35

In: 2791.043+/-0.405 χ^2/NDF : 670220.6/39

Out: 2784.647+/-0.394 χ^2/NDF : 139727.7/42

All: 2787.758+/-0.283 χ^2/NDF : 810076.3/82

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: 25.744+/-242.455 χ^2/NDF : 20.8/16

Left Out: -681.050+/-189.305 χ^2/NDF :55.9/23

Right Out: 504.940+/-222.180 χ^2/NDF : 11.9/18

Left In: 49.244+/-189.190 χ^2/NDF :13.6/22

Left: -315.680+/-133.818 χ^2/NDF : 77.0/46

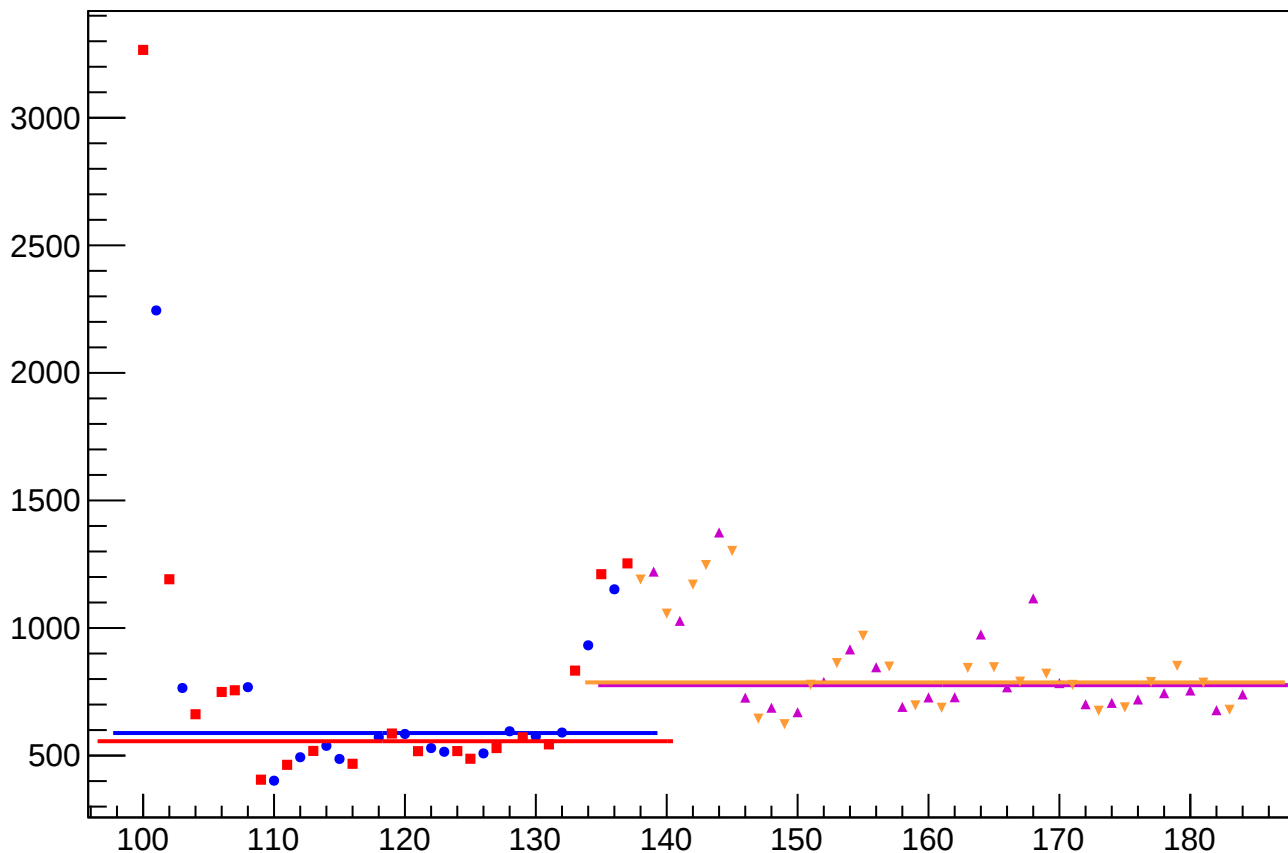
Right: 286.213+/-163.805 χ^2/NDF : 34.8/35

In: 40.350+/-149.154 χ^2/NDF :34.4/39

Out: -182.205+/-144.094 χ^2/NDF :84.3/42

All: -74.767+/-103.633 χ^2/NDF : 119.9/82

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 588.381+/-0.171 χ^2/NDF : 1423934.9/16

Left Out: 786.877+/-0.134 χ^2/NDF : 1214273.2/23

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: 781.400+/-0.095 χ^2/NDF : 2274385.7/46

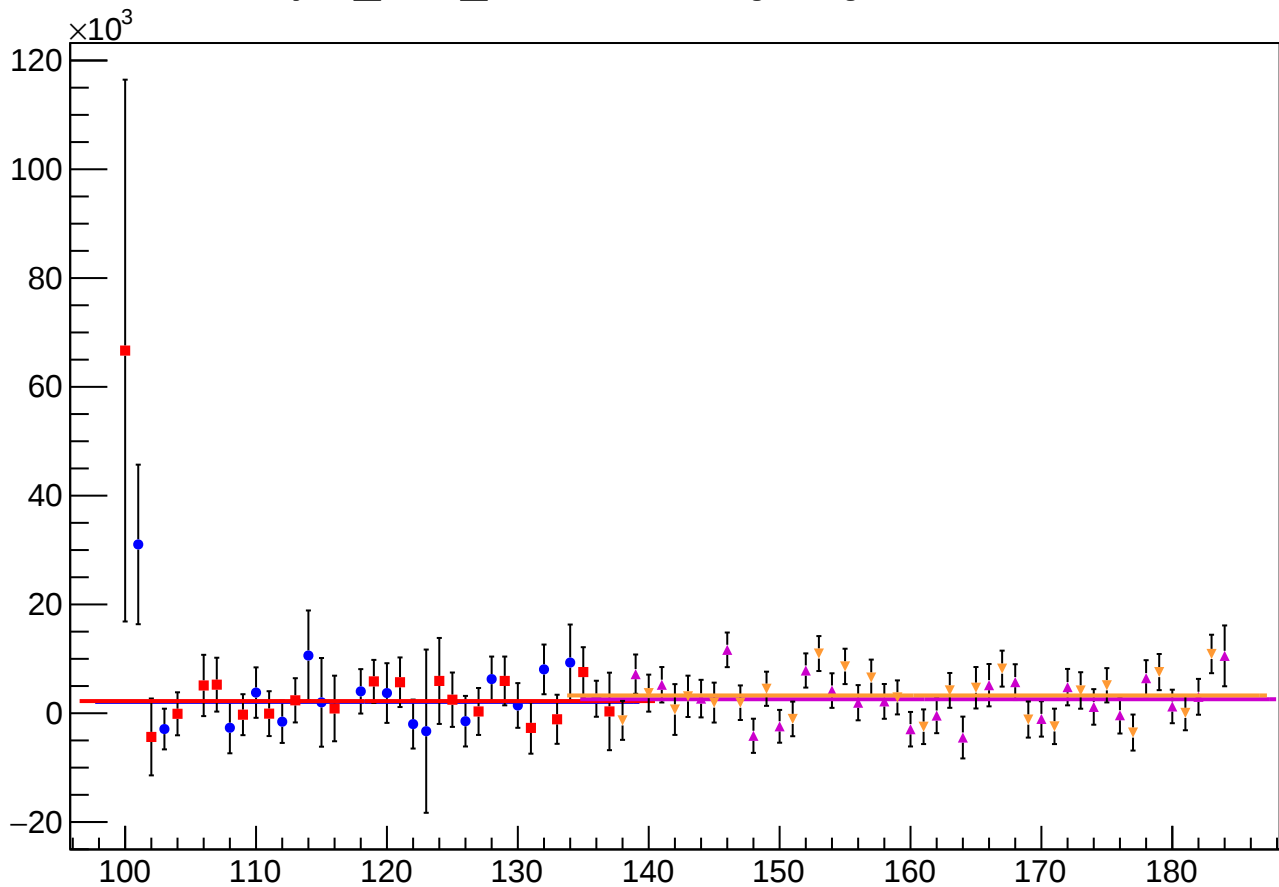
Right: 570.933+/-0.116 χ^2/NDF : 2547887.1/35

In: 704.952+/-0.105 χ^2/NDF : 3224533.8/39

Out: 689.886+/-0.102 χ^2/NDF : 3567383.2/42

All: 697.159+/-0.073 χ^2/NDF : 6802472.8/82

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2083.008+/-1167.281 χ^2/NDF : 14.5/16

Left Out: 3269.860+/-685.254 χ^2/NDF : 36.3/23

Right Out: 2234.490+/-1113.044 χ^2/NDF : 9.9/18

Left In: 2573.184+/-695.795 χ^2/NDF : 35.7/22

Left: 2926.839+/-488.232 χ^2/NDF : 72.5/46

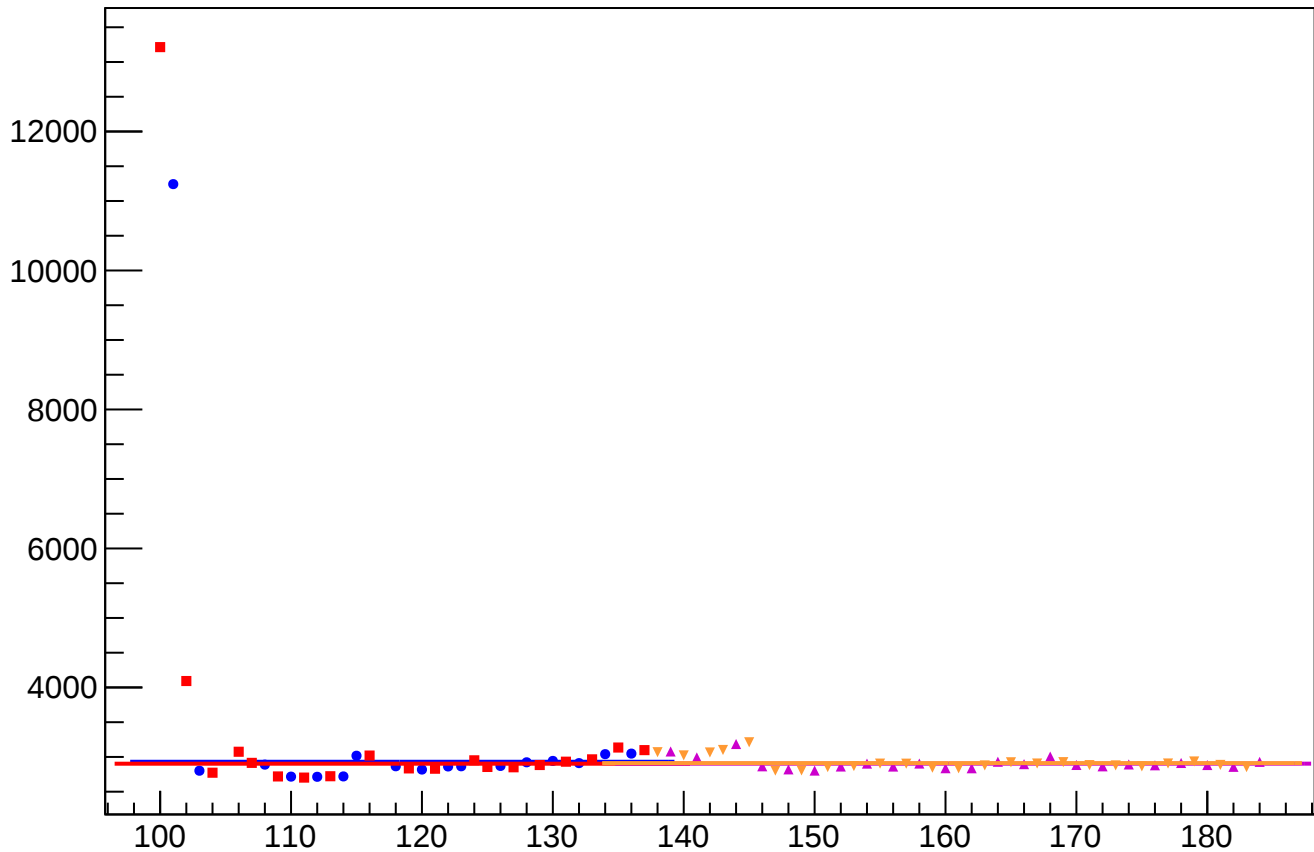
Right: 2162.350+/-805.533 χ^2/NDF : 24.4/35

In: 2444.678+/-597.670 χ^2/NDF : 50.3/39

Out: 2985.283+/-583.531 χ^2/NDF : 46.8/42

All: 2721.451+/-417.528 χ^2/NDF : 97.5/82

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2930.563 $\pm$ 0.825 χ^2 /NDF: 662106.1/16

Left Out: 2911.245 $\pm$ 0.485 χ^2 /NDF: 35858.4/23

Right Out: 2902.768 $\pm$ 0.787 χ^2 /NDF: 169439.3/18

Left In: 2903.411 $\pm$ 0.492 χ^2 /NDF: 28838.5/22

Left: 2907.388 $\pm$ 0.345 χ^2 /NDF: 64825.6/46

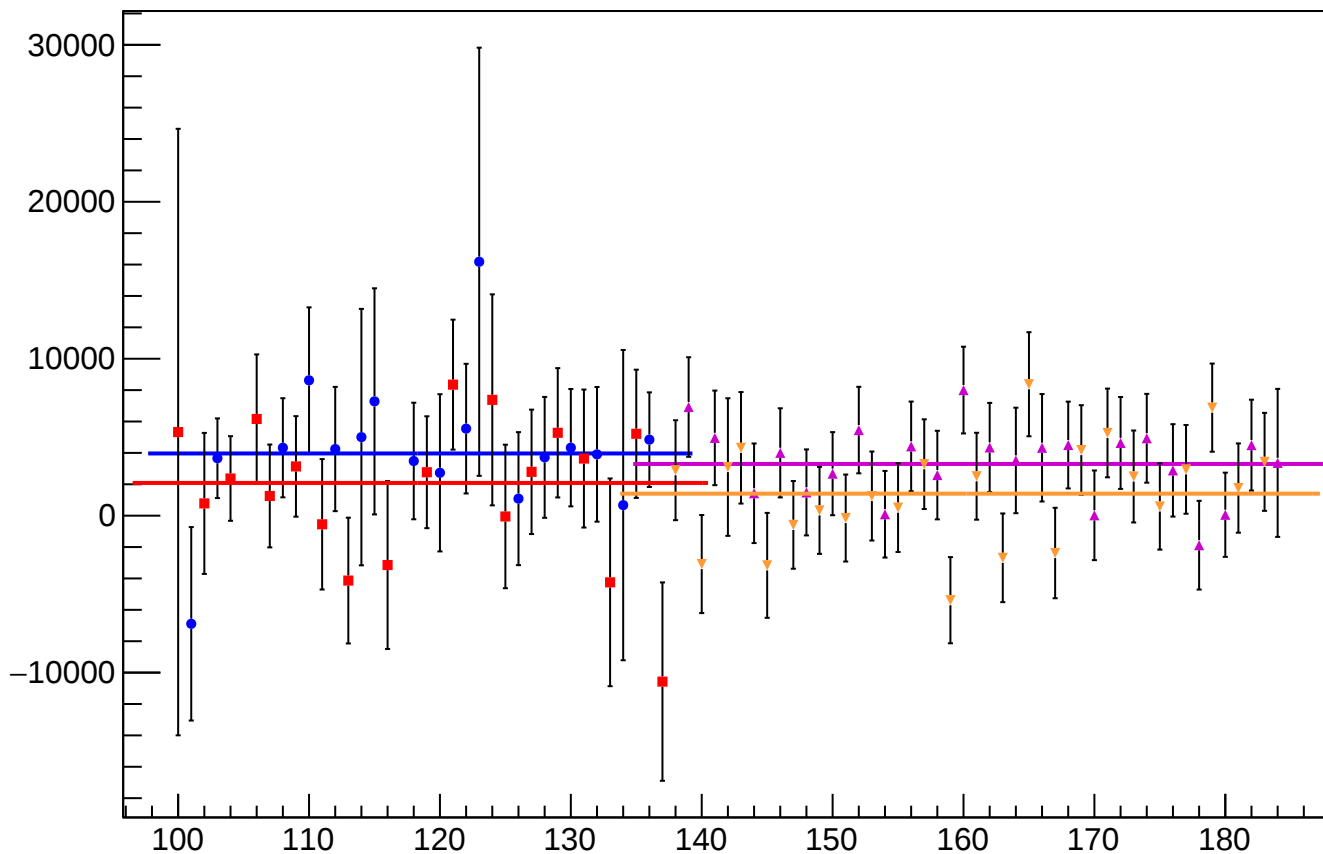
Right: 2916.005 $\pm$ 0.570 χ^2 /NDF: 832139.4/35

In: 2910.529 $\pm$ 0.423 χ^2 /NDF: 691743.1/39

Out: 2908.915 $\pm$ 0.413 χ^2 /NDF: 205381.9/42

All: 2909.703 $\pm$ 0.295 χ^2 /NDF: 897132.4/82

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3964.122+/-1014.452 χ^2/NDF : 6.1/16

Left Out: 1401.928+/-602.336 χ^2/NDF : 28.6/23

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: 2336.691+/-428.597 χ^2/NDF : 48.3/46

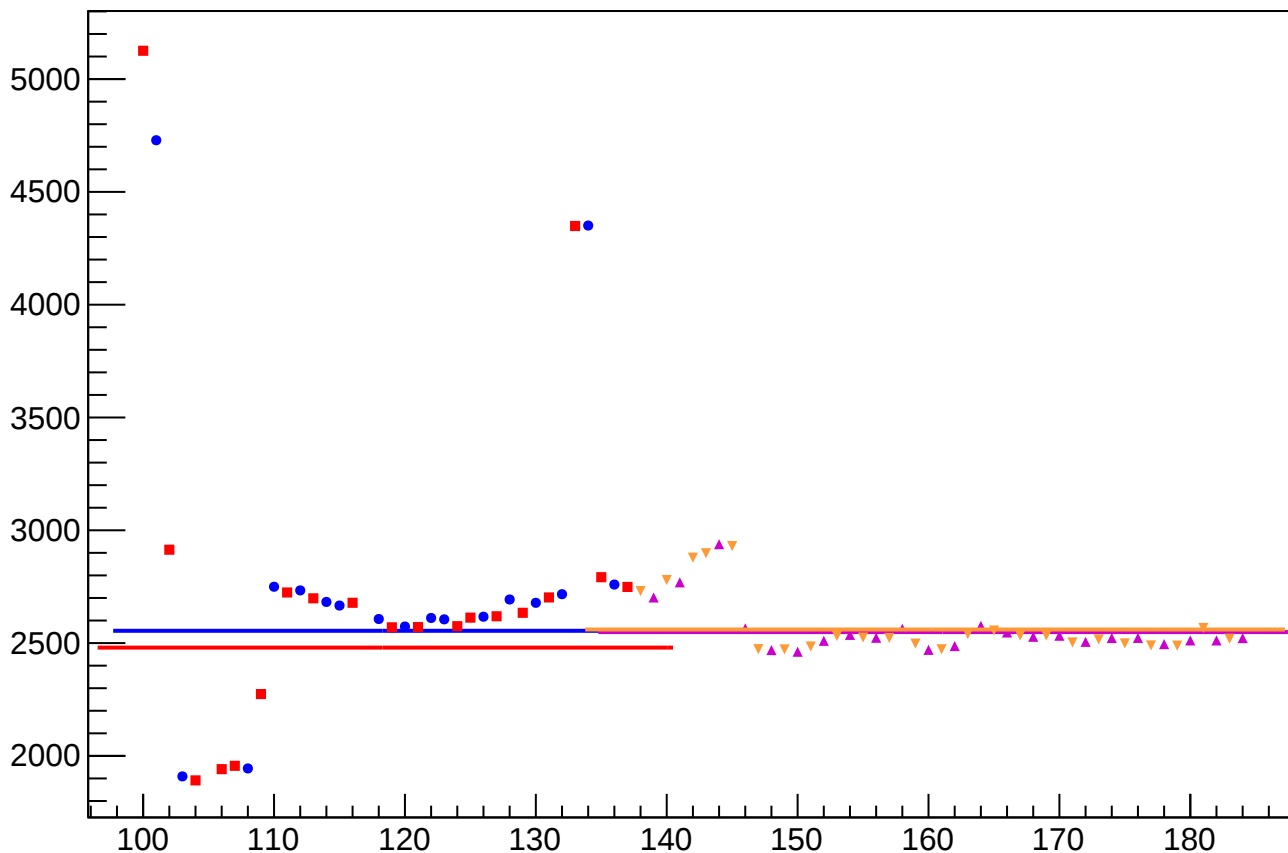
Right: 2973.600+/-697.497 χ^2/NDF : 22.4/35

In: 3472.955+/-522.763 χ^2/NDF : 21.3/39

Out: 1594.854+/-510.306 χ^2/NDF : 43.4/42

All: 2511.262+/-365.166 χ^2/NDF : 71.3/82

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2554.506 $\pm$ 0.717 χ^2/NDF : 545770.3/16

Left Out: 2560.186 $\pm$ 0.426 χ^2/NDF : 83642.6/23

Right Out: 2479.954 $\pm$ 0.679 χ^2/NDF : 450311.6/18

Left In: 2548.870 $\pm$ 0.431 χ^2/NDF : 55266.2/22

Left: 2554.599 $\pm$ 0.303 χ^2/NDF : 139257.2/46

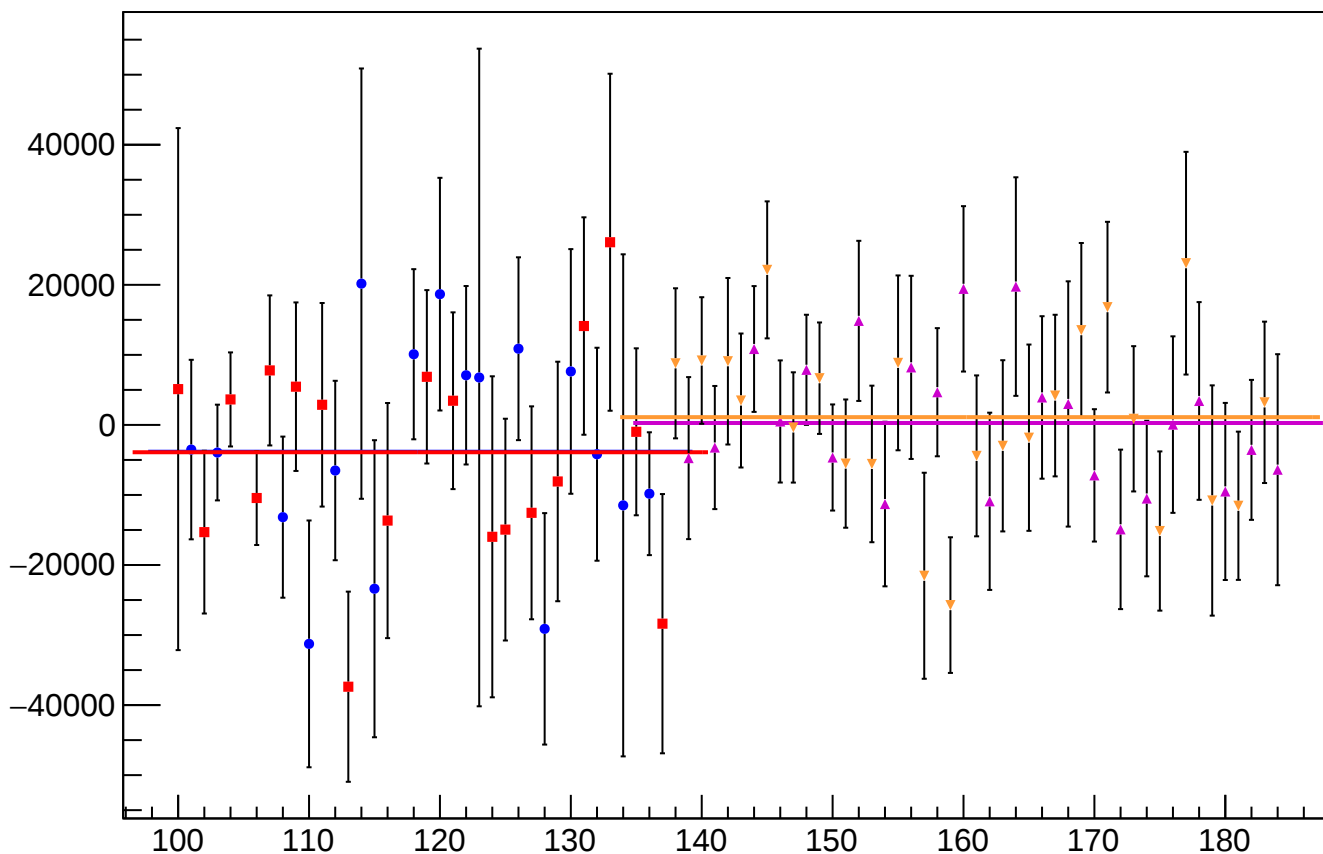
Right: 2515.198 $\pm$ 0.493 χ^2/NDF : 1001777.2/35

In: 2550.366 $\pm$ 0.370 χ^2/NDF : 601081.8/39

Out: 2537.542 $\pm$ 0.361 χ^2/NDF : 543969.1/42

All: 2543.800 $\pm$ 0.258 χ^2/NDF : 1145667.2/82

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: -3830.114 $\pm$ 3234.150 χ^2 /NDF: 13.1/16

Left Out: 1107.962 $\pm$ 2209.747 χ^2 /NDF:27.4/23

Right Out: -3902.239 $\pm$ 2838.290 χ^2 /NDF: 18.6/18

Left In: 275.116 $\pm$ 2242.836 χ^2 /NDF:15.7/22

Left: 697.728 $\pm$ 1574.096 χ^2 /NDF: 43.1/46

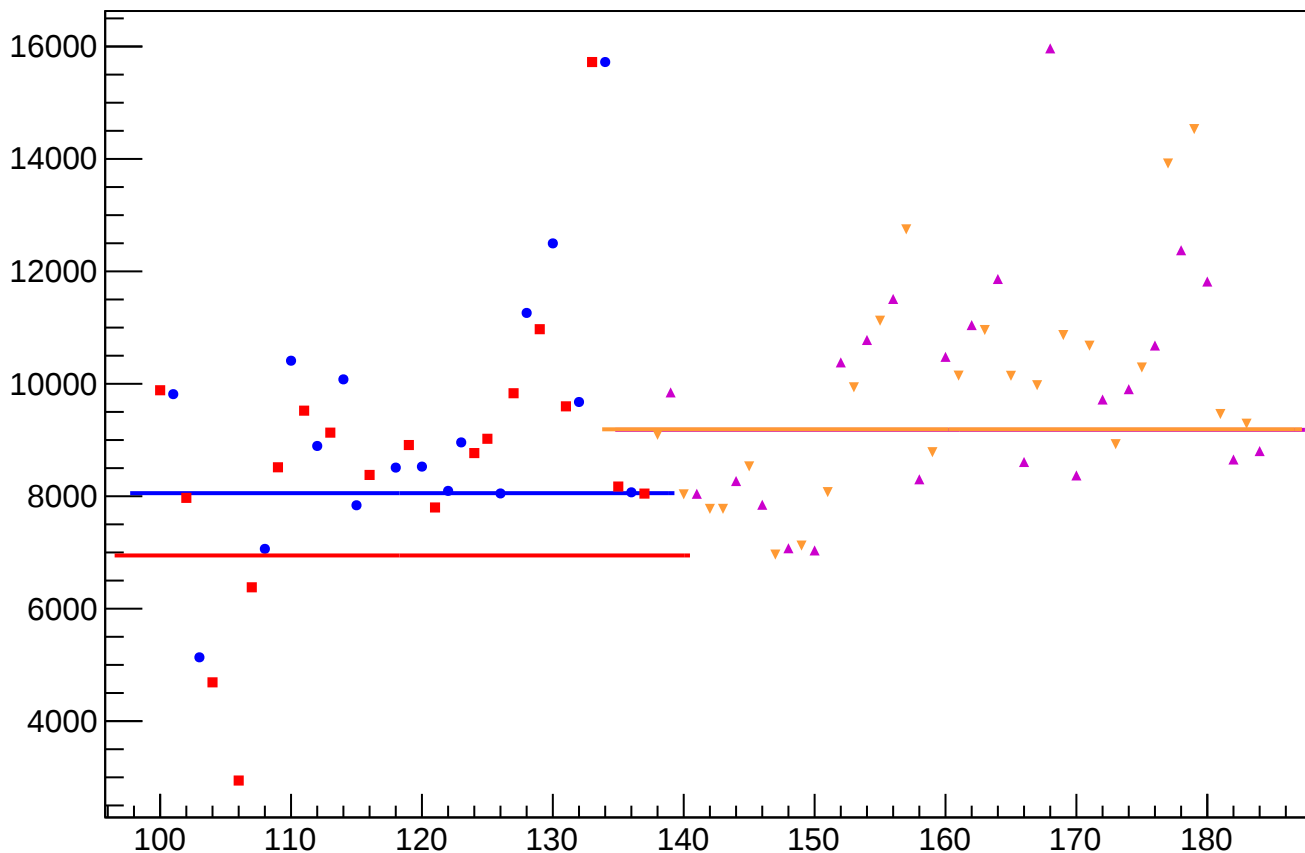
Right: -3870.858 $\pm$ 2133.280 χ^2 /NDF: 31.7/35

In: -1058.037 $\pm$ 1843.026 χ^2 /NDF:29.9/39

Out: -782.831 $\pm$ 1743.617 χ^2 /NDF:47.9/42

All: -912.812 $\pm$ 1266.609 χ^2 /NDF: 77.8/82

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 8054.857+/-2.287 χ^2/NDF : 795337.9/16

Left Out: 9190.565+/-1.563 χ^2/NDF : 1167315.7/23

Right Out: 6946.742+/-2.007 χ^2/NDF : 1776702.0/18

Left In: 9181.254+/-1.586 χ^2/NDF : 1236469.7/22

Left: 9185.979+/-1.113 χ^2/NDF : 2403802.9/46

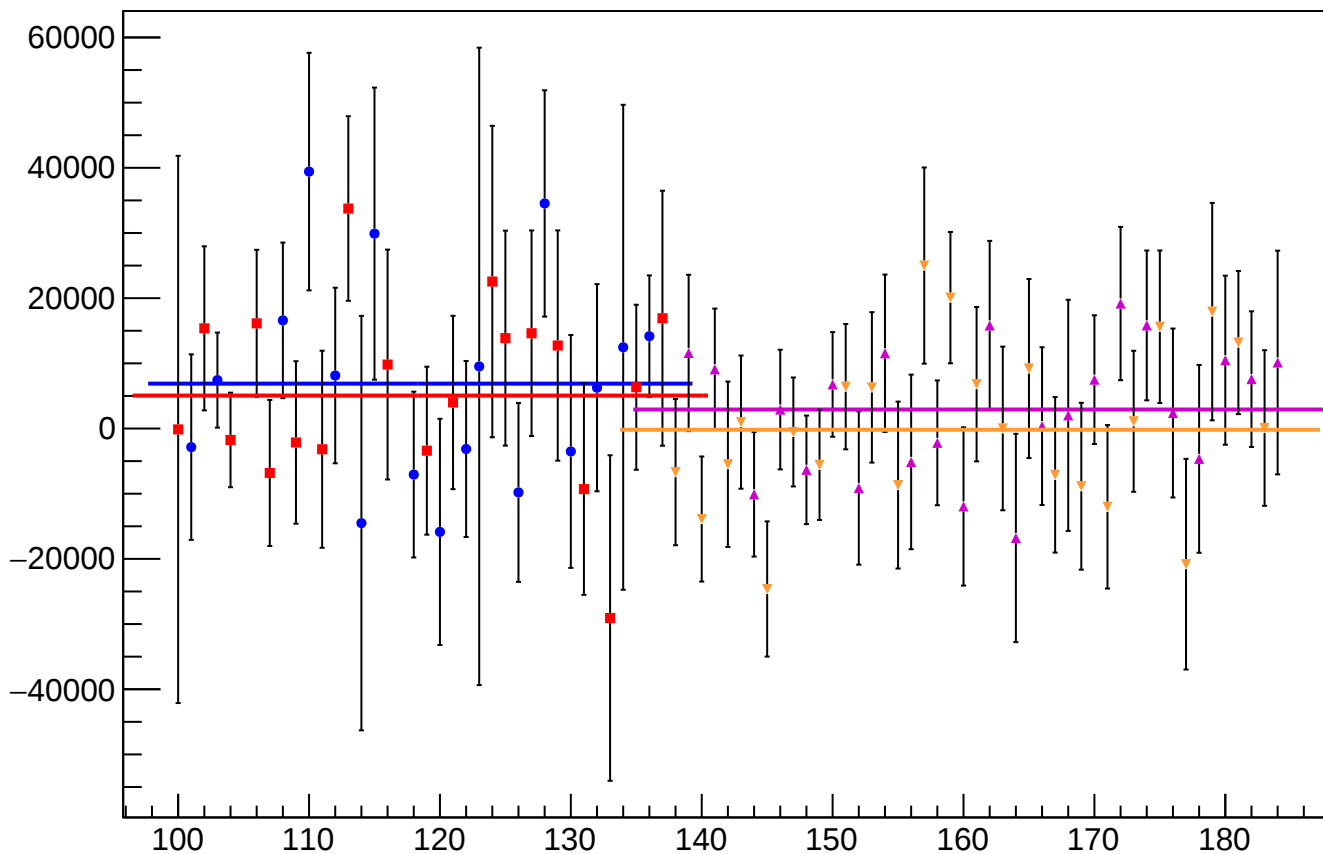
Right: 7428.868+/-1.508 χ^2/NDF : 2704676.1/35

In: 8815.462+/-1.303 χ^2/NDF : 2195625.1/39

Out: 8343.772+/-1.233 χ^2/NDF : 3722253.1/42

All: 8566.554+/-0.896 χ^2/NDF : 5987007.9/82

asym_atr2_mean vs Slug, Sign Corrected



Right In: 6886.765 $\pm$ 3417.693 χ^2 /NDF: 14.3/16

Left Out: -189.148 $\pm$ 2307.981 χ^2 /NDF:25.2/23

Right Out: 5059.238 $\pm$ 3173.297 χ^2 /NDF: 13.3/18

Left In: 2918.356 $\pm$ 2338.461 χ^2 /NDF:14.9/22

Left: 1344.220 $\pm$ 1642.659 χ^2 /NDF: 41.0/46

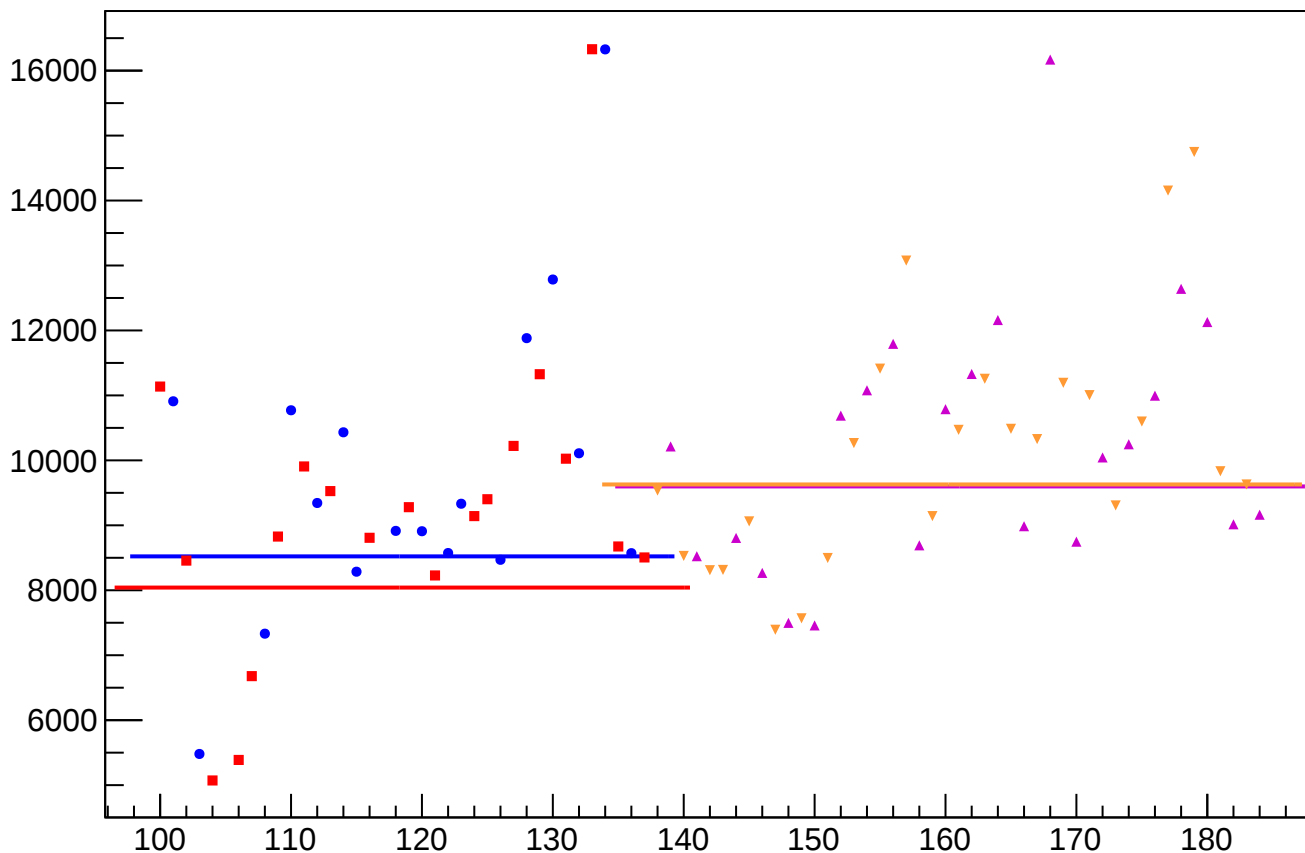
Right: 5905.330 $\pm$ 2325.465 χ^2 /NDF: 27.8/35

In: 4183.784 $\pm$ 1929.938 χ^2 /NDF:30.1/39

Out: 1626.642 $\pm$ 1866.512 χ^2 /NDF:40.3/42

All: 2862.503 $\pm$ 1341.686 χ^2 /NDF: 71.4/82

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8521.835 $\pm$ 2.417 χ^2 /NDF: 769872.2/16

Left Out: 9629.130 $\pm$ 1.632 χ^2 /NDF:1004900.3/23

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: 9614.031 $\pm$ 1.162 χ^2 /NDF: 2087245.4/46

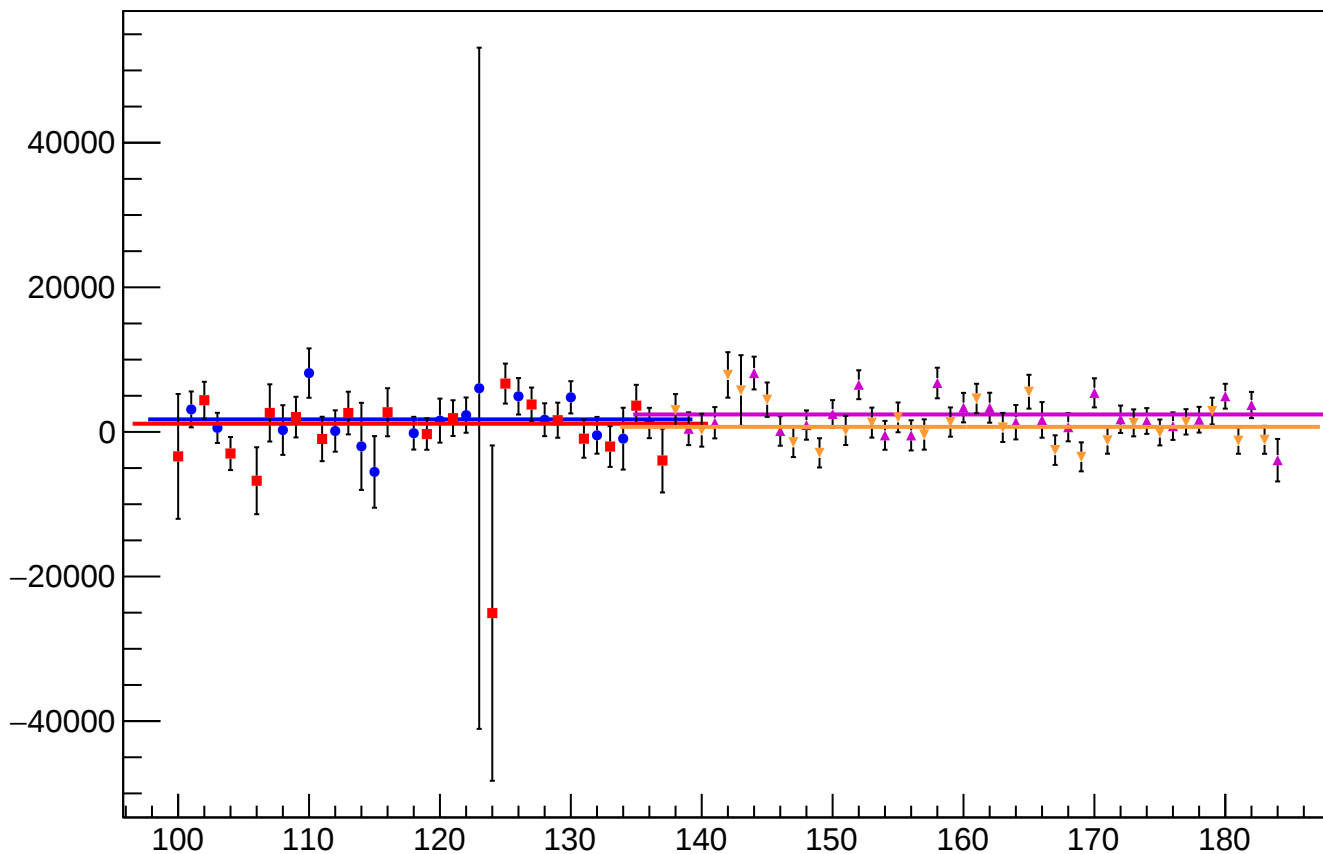
Right: 8263.910 $\pm$ 1.644 χ^2 /NDF: 1744382.1/35

In: 9255.199 $\pm$ 1.365 χ^2 /NDF:1987243.8/39

Out: 9079.854 $\pm$ 1.320 χ^2 /NDF:2285605.8/42

All: 9164.597 $\pm$ 0.949 χ^2 /NDF: 4281380.1/82

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1733.256+/-672.118 χ^2/NDF : 12.6/16

Left Out: 699.079+/-421.616 χ^2/NDF : 34.6/23

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: 1553.148+/-298.782 χ^2/NDF : 76.8/46

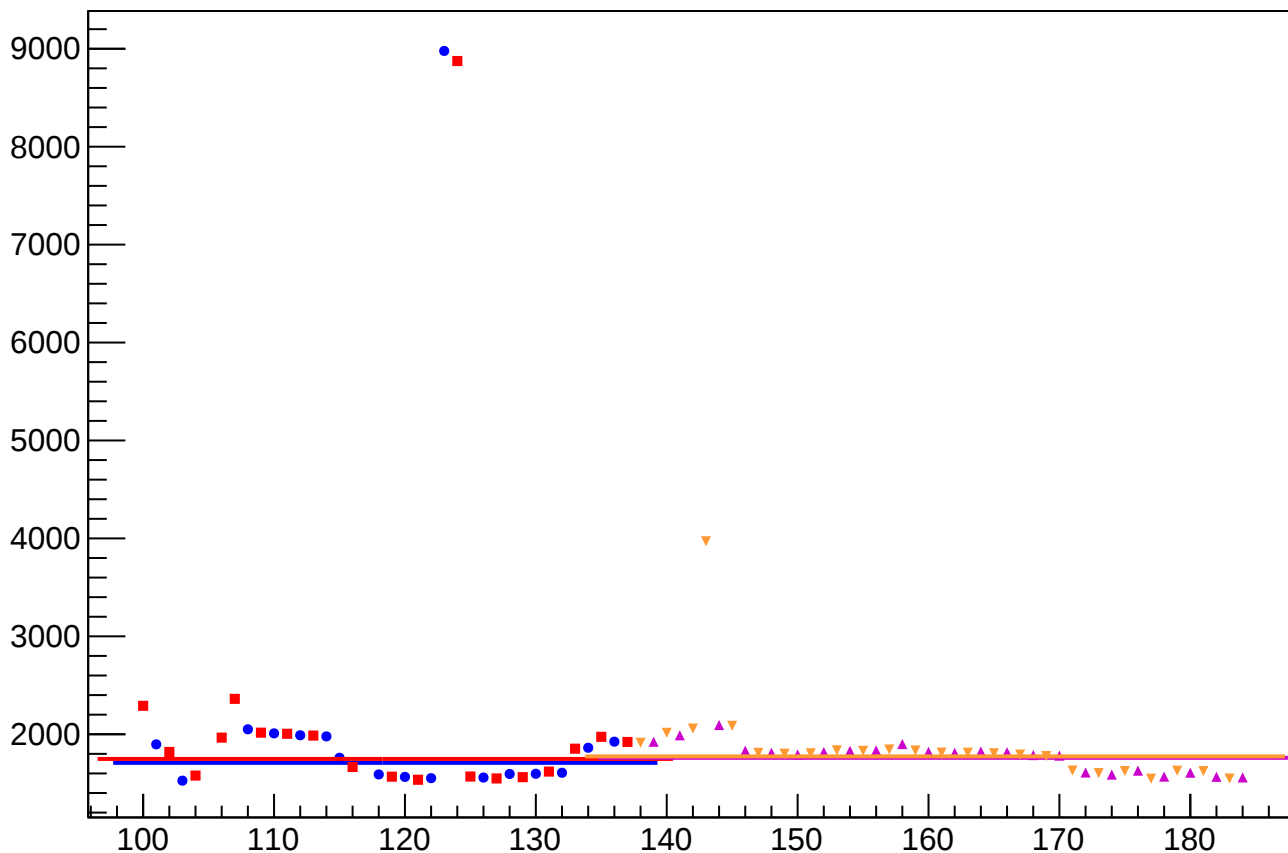
Right: 1432.938+/-475.605 χ^2/NDF : 33.4/35

In: 2221.092+/-358.287 χ^2/NDF : 47.4/39

Out: 821.001+/-357.308 χ^2/NDF : 55.2/42

All: 1519.131+/-253.000 χ^2/NDF : 110.3/82

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1708.196 $\pm$ 0.475 χ^2 /NDF: 195783.3/16

Left Out: 1773.957 $\pm$ 0.298 χ^2 /NDF: 626112.4/23

Right Out: 1748.067 $\pm$ 0.474 χ^2 /NDF: 396355.2/18

Left In: 1759.600 $\pm$ 0.299 χ^2 /NDF: 214891.5/22

Left: 1766.810 $\pm$ 0.211 χ^2 /NDF: 842158.4/46

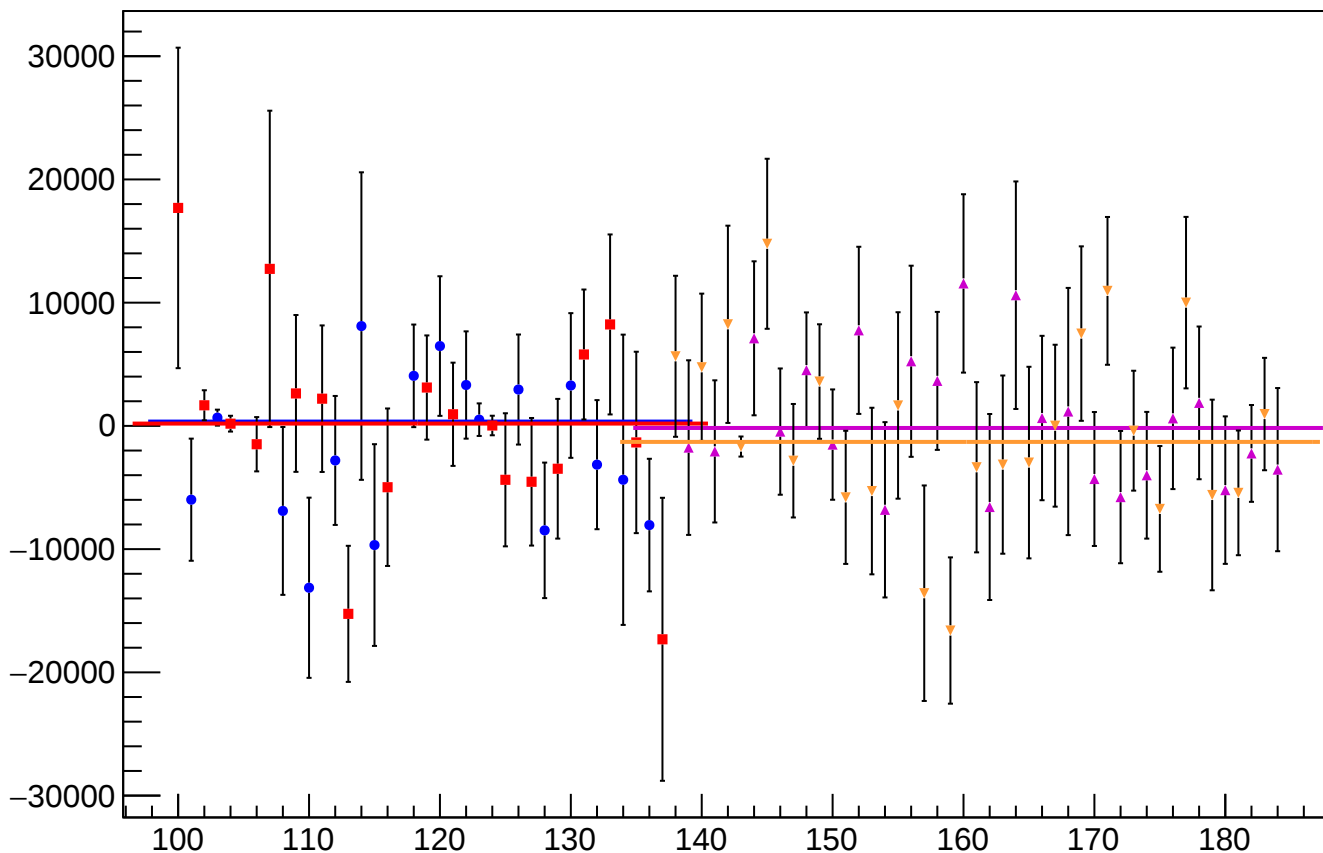
Right: 1728.192 $\pm$ 0.336 χ^2 /NDF: 595668.1/35

In: 1744.992 $\pm$ 0.253 χ^2 /NDF: 419048.8/39

Out: 1766.614 $\pm$ 0.252 χ^2 /NDF: 1024606.5/42

All: 1755.847 $\pm$ 0.179 χ^2 /NDF: 1447311.6/82

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 350.603+/-540.664 χ^2/NDF : 17.3/16

Left Out: -1298.593+/-684.220 χ^2/NDF :31.3/23

Right Out: 188.213+/-433.673 χ^2/NDF : 20.8/18

Left In: -168.182+/-1232.411 χ^2/NDF :14.2/22

Left: -1032.256+/-598.209 χ^2/NDF : 46.0/46

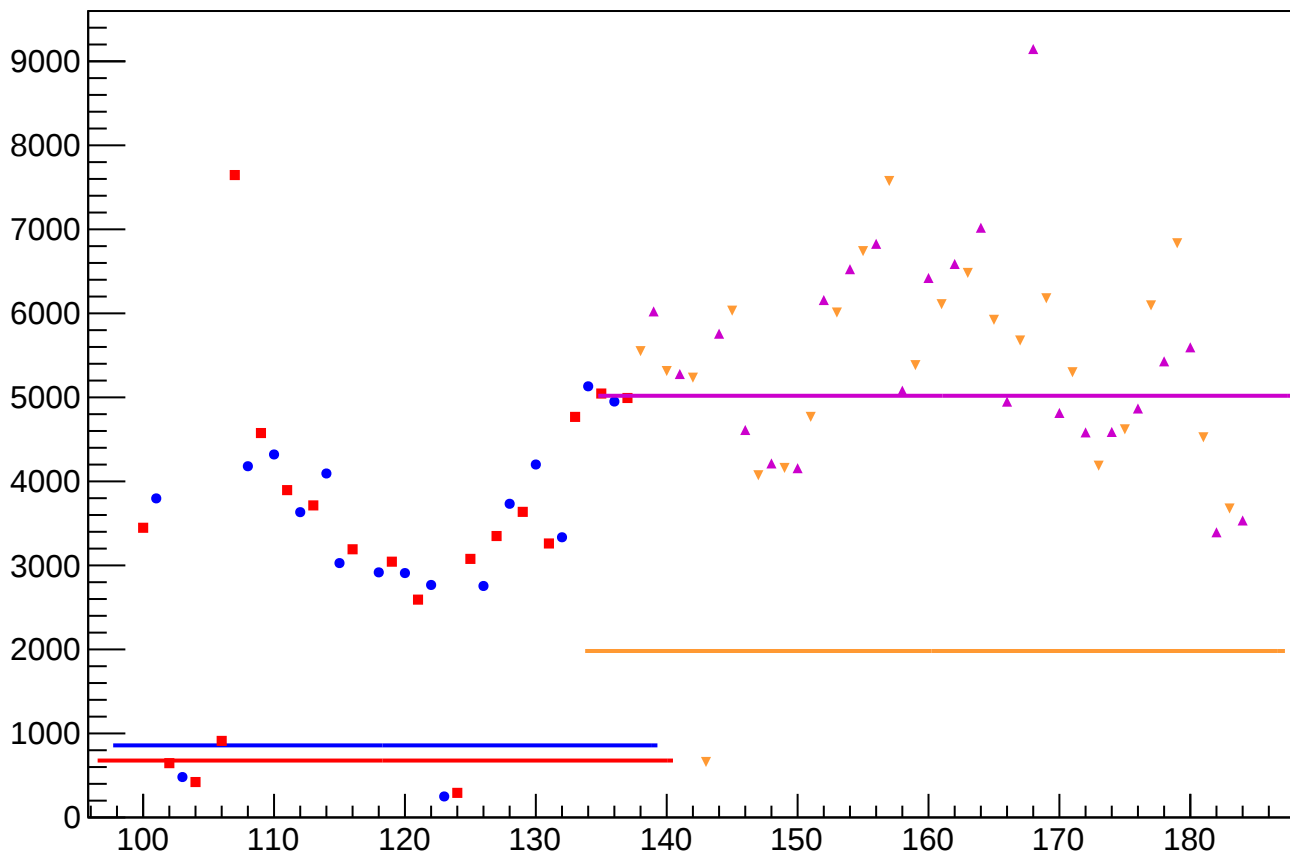
Right: 251.789+/-338.293 χ^2/NDF : 38.2/35

In: 266.872+/-495.114 χ^2/NDF :31.6/39

Out: -237.898+/-366.294 χ^2/NDF :55.4/42

All: -59.348+/-294.468 χ^2/NDF : 87.7/82

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 857.789 $\pm$ 0.382 χ^2 /NDF: 8126360.1/16

Left Out: 1981.242 $\pm$ 0.484 χ^2 /NDF:19024735.7/23

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: 2696.997 $\pm$ 0.423 χ^2 /NDF: 29882837.5/46

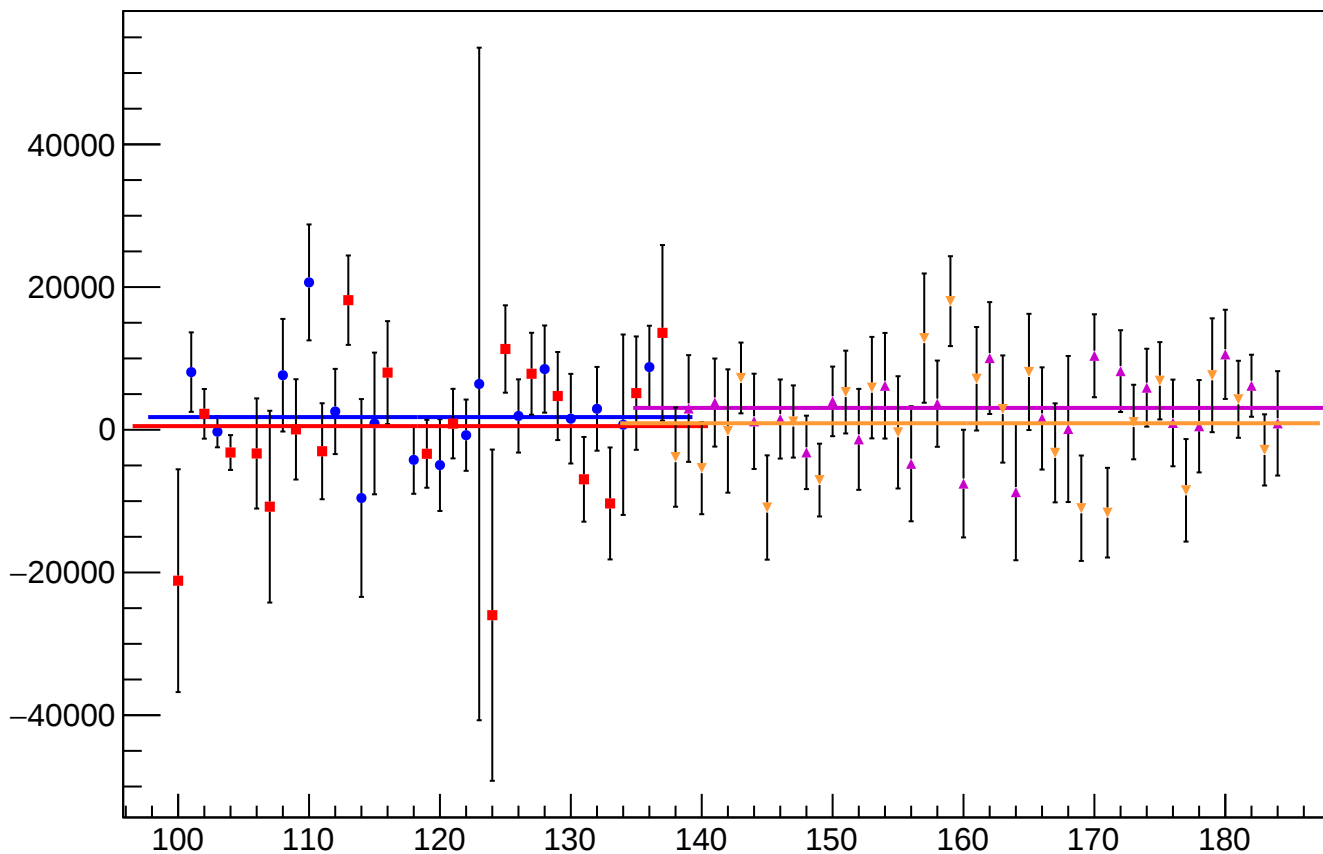
Right: 748.003 $\pm$ 0.239 χ^2 /NDF: 16619227.6/35

In: 1529.421 $\pm$ 0.350 χ^2 /NDF:28817580.6/39

Out: 1051.053 $\pm$ 0.259 χ^2 /NDF:32563460.0/42

All: 1220.264 $\pm$ 0.208 χ^2 /NDF: 62587632.7/80

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1778.180+/-1313.267 χ^2/NDF : 14.5/16

Left Out: 914.880+/-1297.002 χ^2/NDF :31.4/23

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: 1972.424+/-924.513 χ^2/NDF : 45.4/46

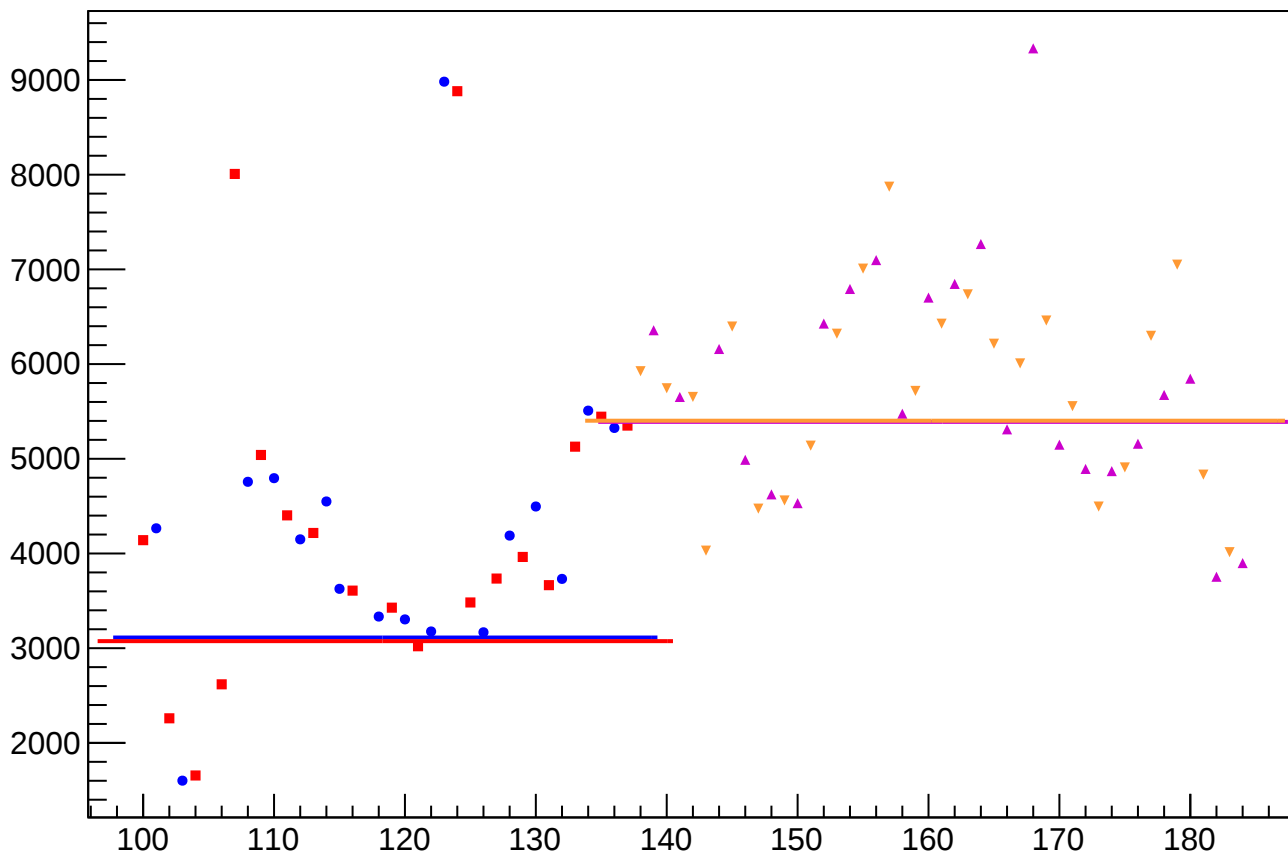
Right: 1133.360+/-919.710 χ^2/NDF : 41.8/35

In: 2419.079+/-930.350 χ^2/NDF :27.6/39

Out: 712.459+/-914.071 χ^2/NDF :58.3/42

All: 1550.707+/-652.025 χ^2/NDF : 87.6/82

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3112.592 $\pm$ 0.929 χ^2 /NDF: 1882559.8/16

Left Out: 5402.034 $\pm$ 0.917 χ^2 /NDF: 1156039.5/23

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: 5395.978 $\pm$ 0.654 χ^2 /NDF: 2465991.1/46

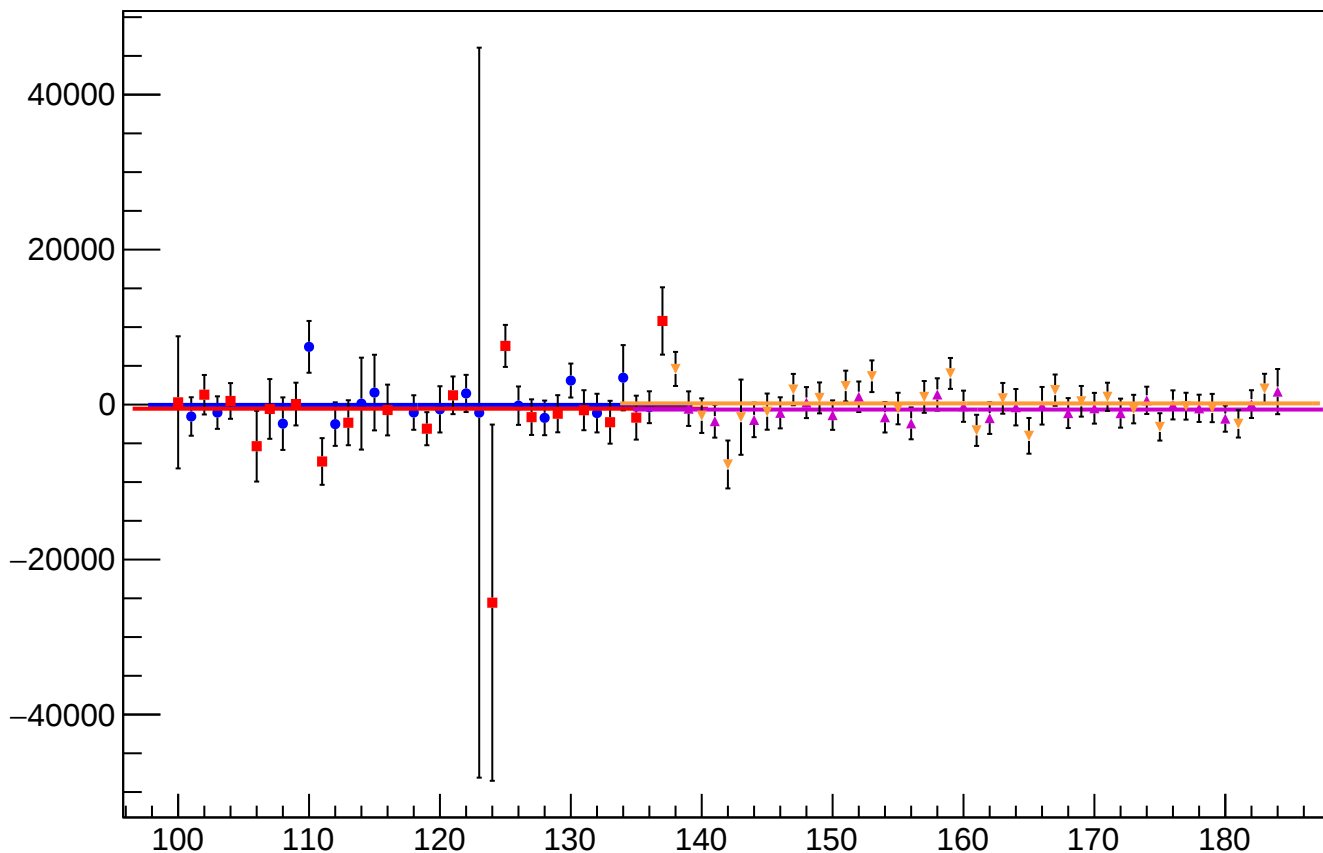
Right: 3092.829 $\pm$ 0.645 χ^2 /NDF: 3890557.7/35

In: 4246.907 $\pm$ 0.658 χ^2 /NDF: 6187788.9/39

Out: 4213.444 $\pm$ 0.642 χ^2 /NDF: 6452460.9/42

All: 4229.756 $\pm$ 0.459 χ^2 /NDF: 12641575.9/80

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -38.244 ± 662.838 χ^2/NDF : 11.1/16

Left Out: 153.859 ± 415.644 χ^2/NDF : 34.4/23

Right Out: -530.114 ± 663.235 χ^2/NDF : 27.1/18

Left In: -640.235 ± 417.645 χ^2/NDF : 6.2/22

Left: -241.281 ± 294.610 χ^2/NDF : 42.4/46

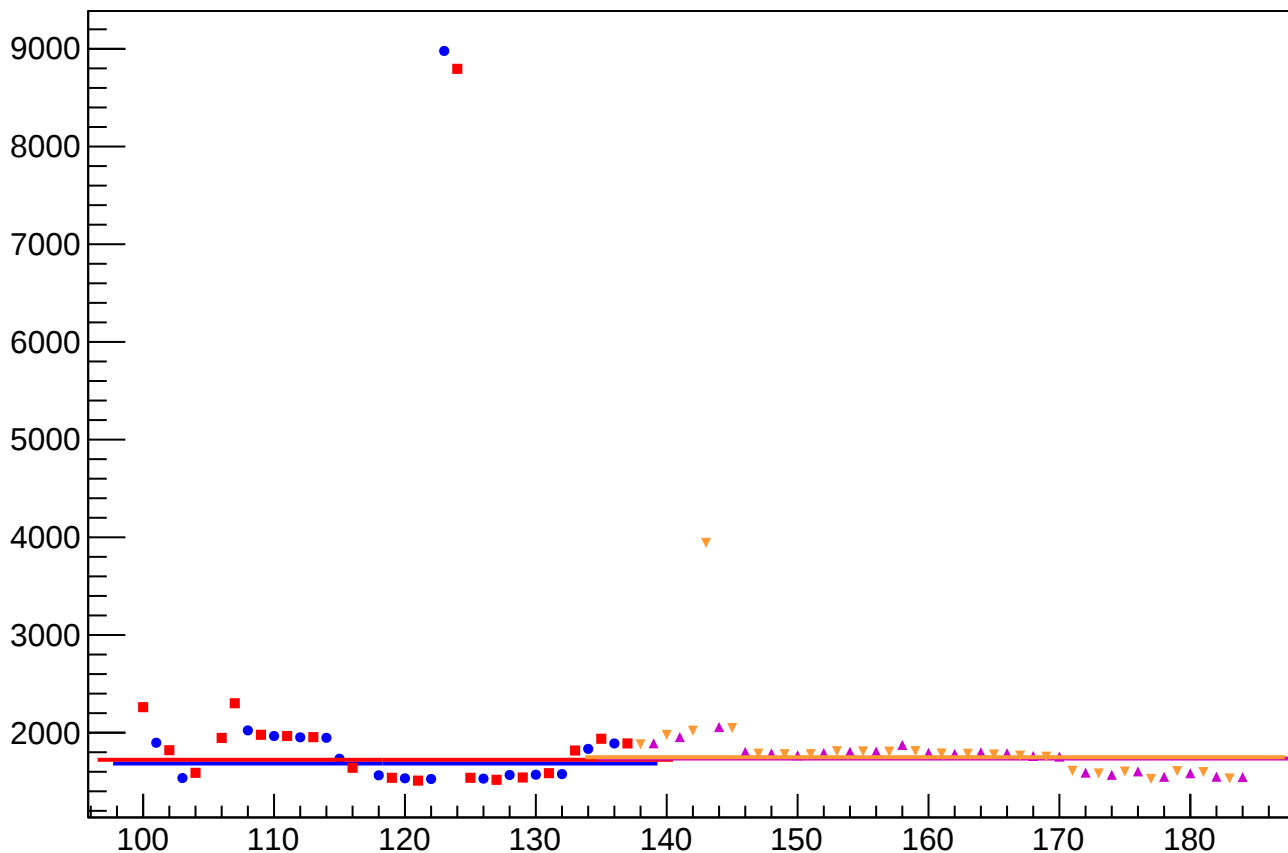
Right: -284.031 ± 468.837 χ^2/NDF : 38.5/35

In: -469.158 ± 353.352 χ^2/NDF : 17.9/39

Out: -39.016 ± 352.197 χ^2/NDF : 62.3/42

All: -253.383 ± 249.448 χ^2/NDF : 80.9/82

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1684.672 $\pm$ 0.469 χ^2 /NDF: 194019.0/16

Left Out: 1748.912 $\pm$ 0.294 χ^2 /NDF: 622476.4/23

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: 1742.258 $\pm$ 0.208 χ^2 /NDF: 830273.0/46

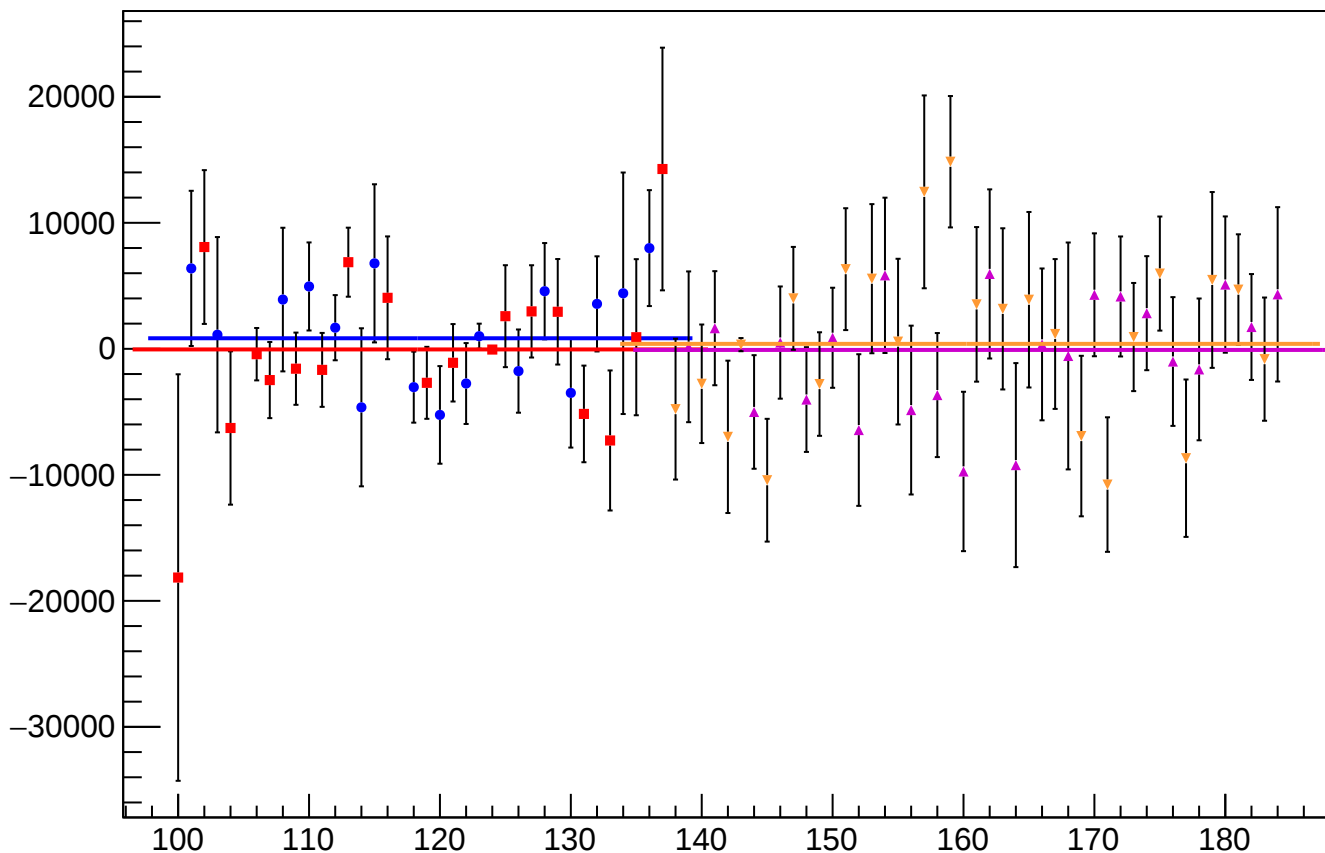
Right: 1703.916 $\pm$ 0.331 χ^2 /NDF: 589926.9/35

In: 1721.084 $\pm$ 0.250 χ^2 /NDF: 409217.3/39

Out: 1741.564 $\pm$ 0.249 χ^2 /NDF: 1017228.5/42

All: 1731.370 $\pm$ 0.176 χ^2 /NDF: 1429820.0/82

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 838.236 ± 706.837 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 393.708 ± 472.445 $\chi^2/\text{NDF}: 33.2/23$

Right Out: -47.538 ± 357.307 $\chi^2/\text{NDF}: 20.8/18$

Left In: -88.508 ± 1094.838 $\chi^2/\text{NDF}: 13.4/22$

Left: 318.010 ± 433.781 $\chi^2/\text{NDF}: 46.8/46$

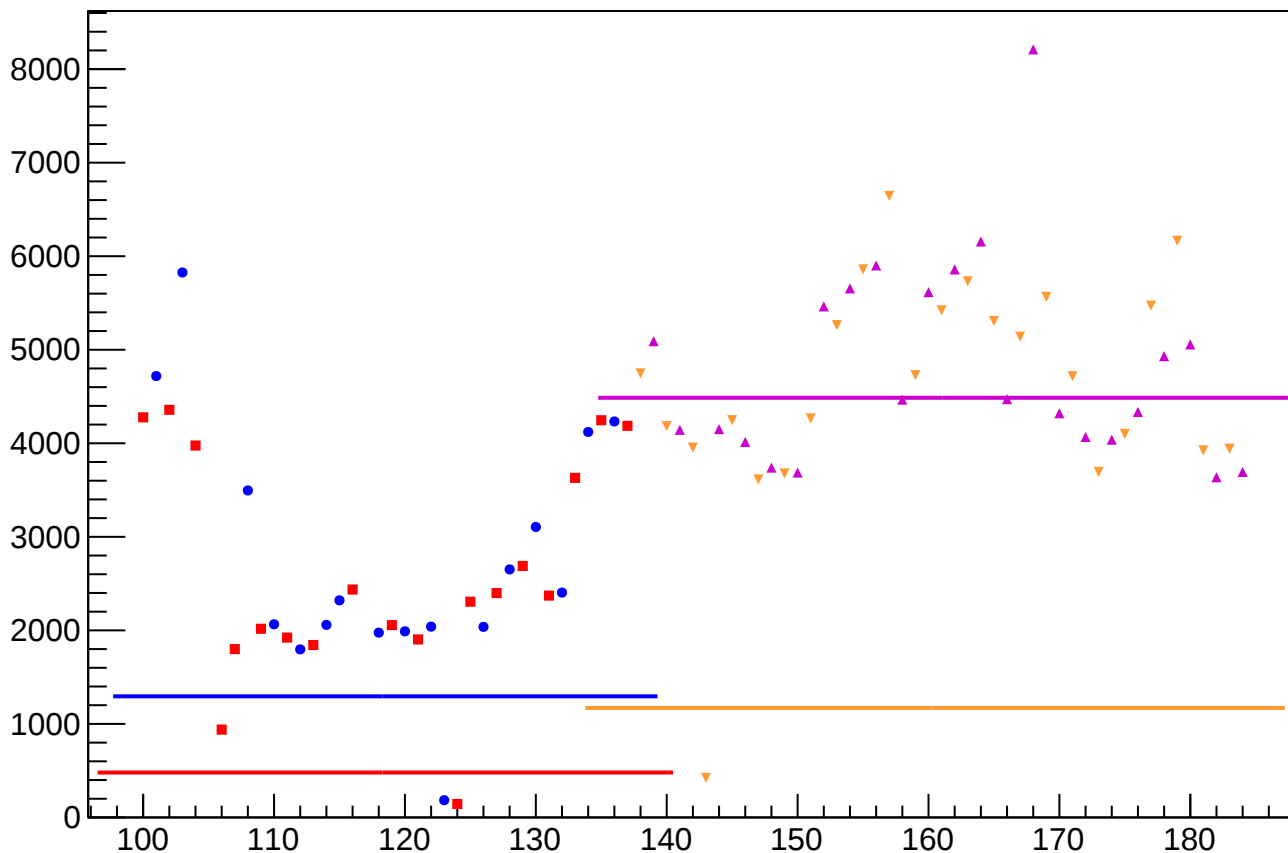
Right: 132.739 ± 318.880 $\chi^2/\text{NDF}: 37.6/35$

In: 565.598 ± 593.832 $\chi^2/\text{NDF}: 29.5/39$

Out: 113.013 ± 284.983 $\chi^2/\text{NDF}: 54.5/42$

All: 197.735 ± 256.928 $\chi^2/\text{NDF}: 84.5/82$

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1295.065 $\pm$ 0.500

χ^2 /NDF: 6509427.9/16

Left Out: 1171.006 $\pm$ 0.334

χ^2 /NDF: 23507416.2/23

Right Out: 480.403 $\pm$ 0.253

χ^2 /NDF: 10116692.6/18

Left In: 4486.570 $\pm$ 0.774

χ^2 /NDF: 1181598.1/22

Left: 1691.480 $\pm$ 0.307

χ^2 /NDF: 40151642.6/46

Right: 646.207 $\pm$ 0.225

χ^2 /NDF: 18742133.7/35

In: 2233.971 $\pm$ 0.420

χ^2 /NDF: 19686285.5/39

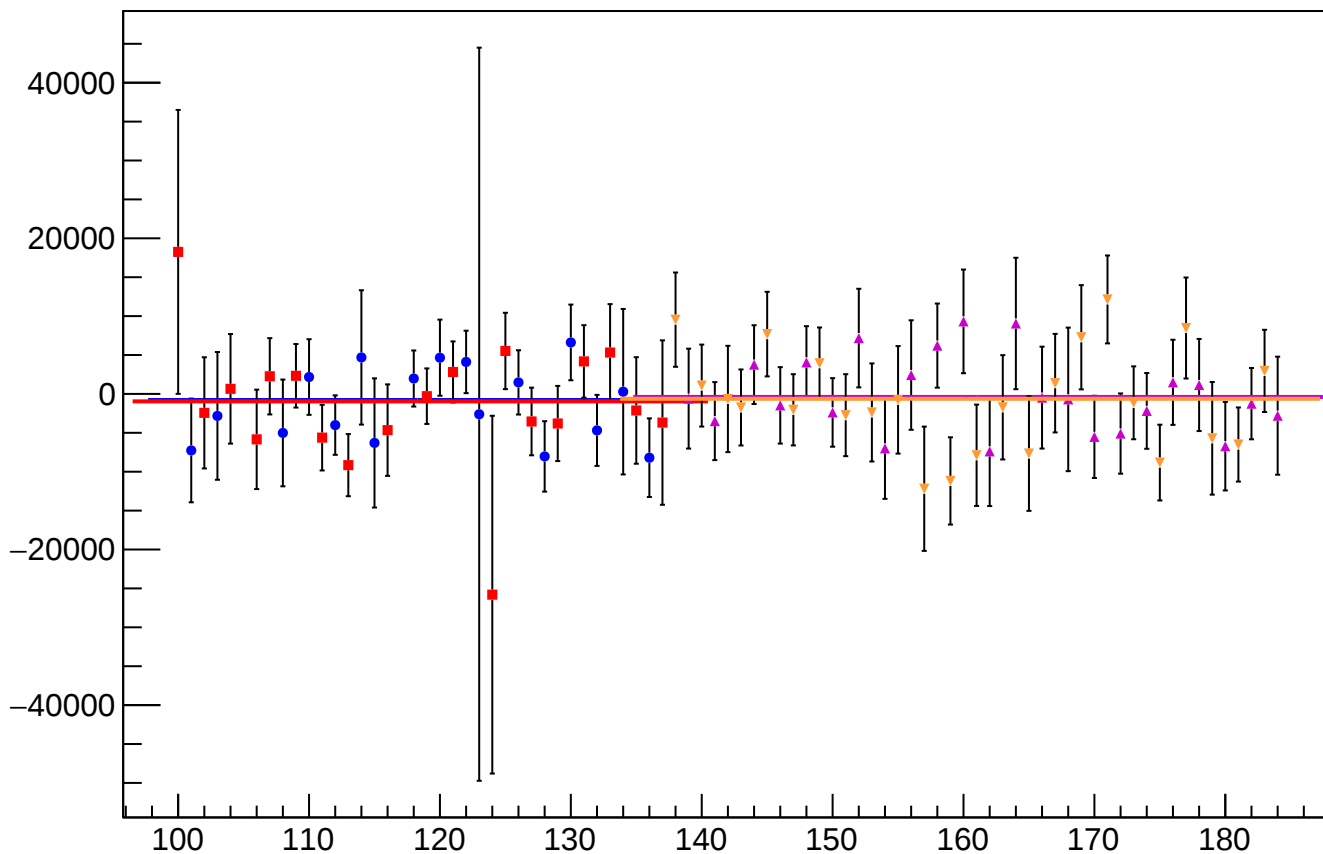
Out: 731.686 $\pm$ 0.202

χ^2 /NDF: 36342658.7/42

All: 1012.907 $\pm$ 0.182

χ^2 /NDF: 66432798.5/80

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -786.677+/-1265.533 χ^2/NDF : 14.7/16

Left Out: -625.889+/-1163.763 χ^2/NDF : 28.3/23

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: -509.688+/-830.758 χ^2/NDF : 42.5/46

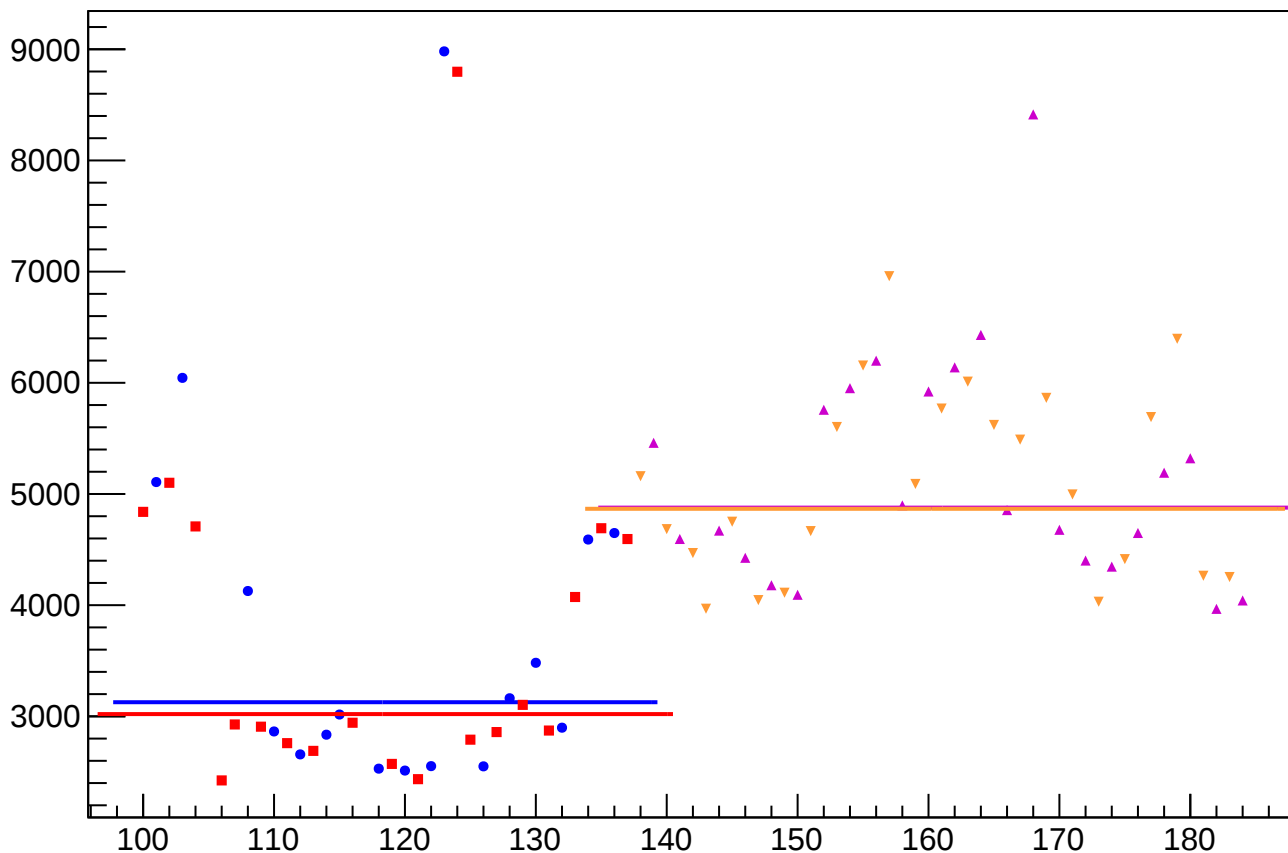
Right: -877.004+/-868.541 χ^2/NDF : 30.3/35

In: -574.971+/-865.497 χ^2/NDF : 28.9/39

Out: -787.385+/-833.450 χ^2/NDF : 44.0/42

All: -685.183+/-600.348 χ^2/NDF : 72.9/82

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3127.109+/-0.895 χ^2/NDF : 942783.2/16

Left Out: 4866.859+/-0.823 χ^2/NDF : 884627.4/23

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: 4872.056+/-0.587 χ^2/NDF : 1843331.9/46

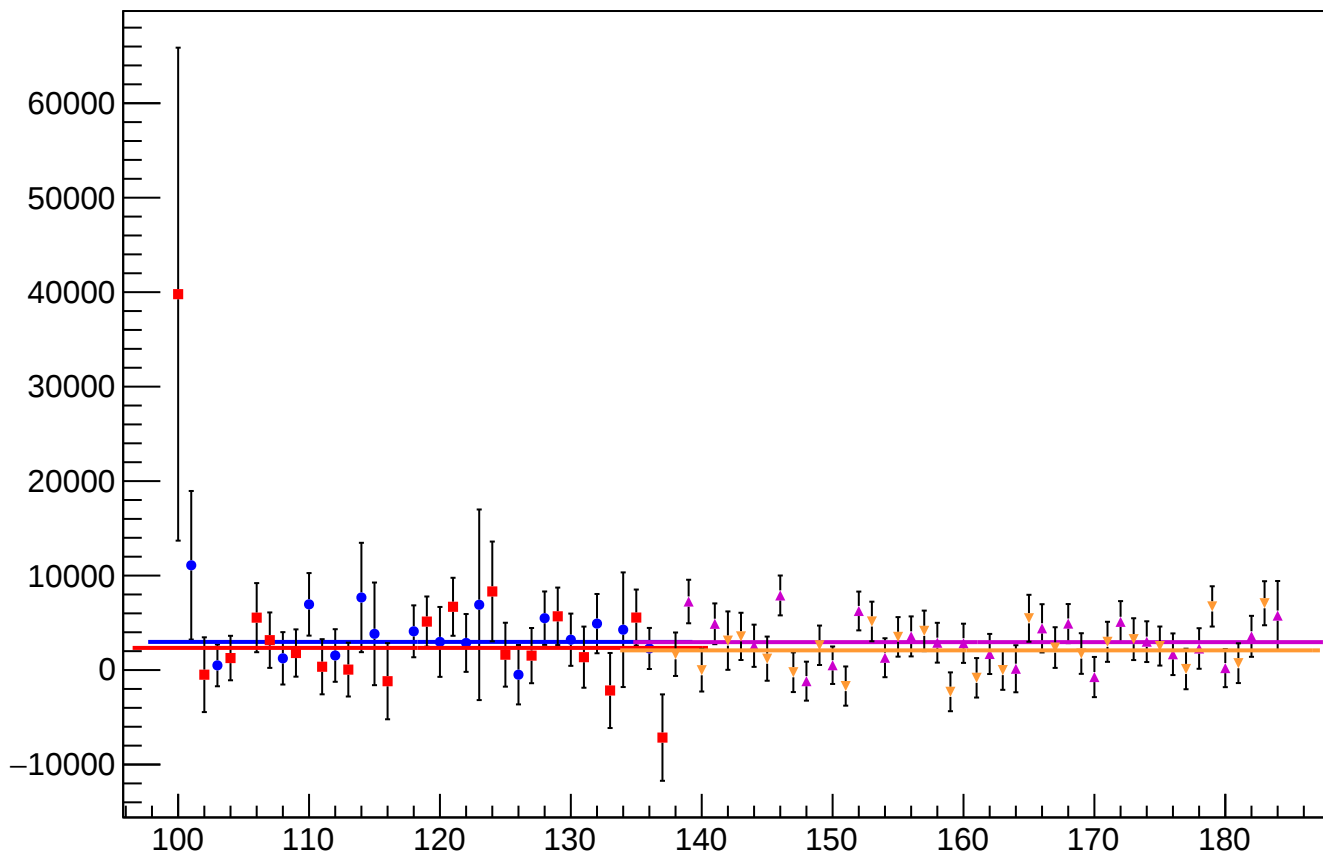
Right: 3069.969+/-0.610 χ^2/NDF : 1741853.8/35

In: 4058.783+/-0.612 χ^2/NDF : 3937864.3/39

Out: 3955.797+/-0.586 χ^2/NDF : 4160350.9/42

All: 4005.031+/-0.423 χ^2/NDF : 8112995.3/82

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2978.237+/-777.589 χ^2/NDF : 8.0/16

Left Out: 2084.810+/-447.548 χ^2/NDF :30.1/23

Right Out: 2344.712+/-742.207 χ^2/NDF : 18.1/18

Left In: 2955.900+/-454.551 χ^2/NDF :28.4/22

Left: 2513.594+/-318.911 χ^2/NDF : 60.4/46

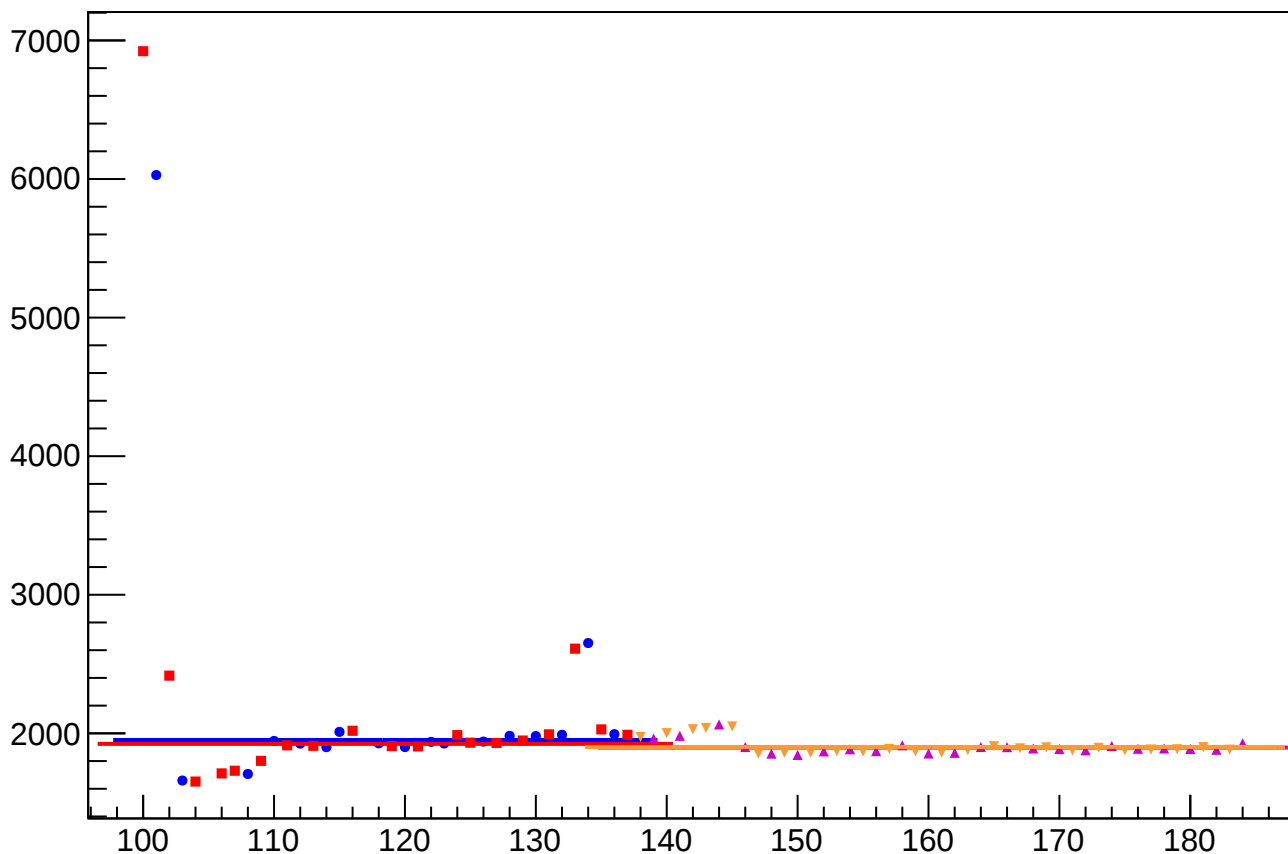
Right: 2646.733+/-536.892 χ^2/NDF : 26.5/35

In: 2961.589+/-392.421 χ^2/NDF :36.4/39

Out: 2154.113+/-383.262 χ^2/NDF :48.4/42

All: 2548.318+/-274.188 χ^2/NDF : 86.9/82

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1952.104+/-0.550 χ^2/NDF : 617388.5/16

Left Out: 1901.710+/-0.316 χ^2/NDF : 29463.8/23

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: 1899.616+/-0.226 χ^2/NDF : 50732.9/46

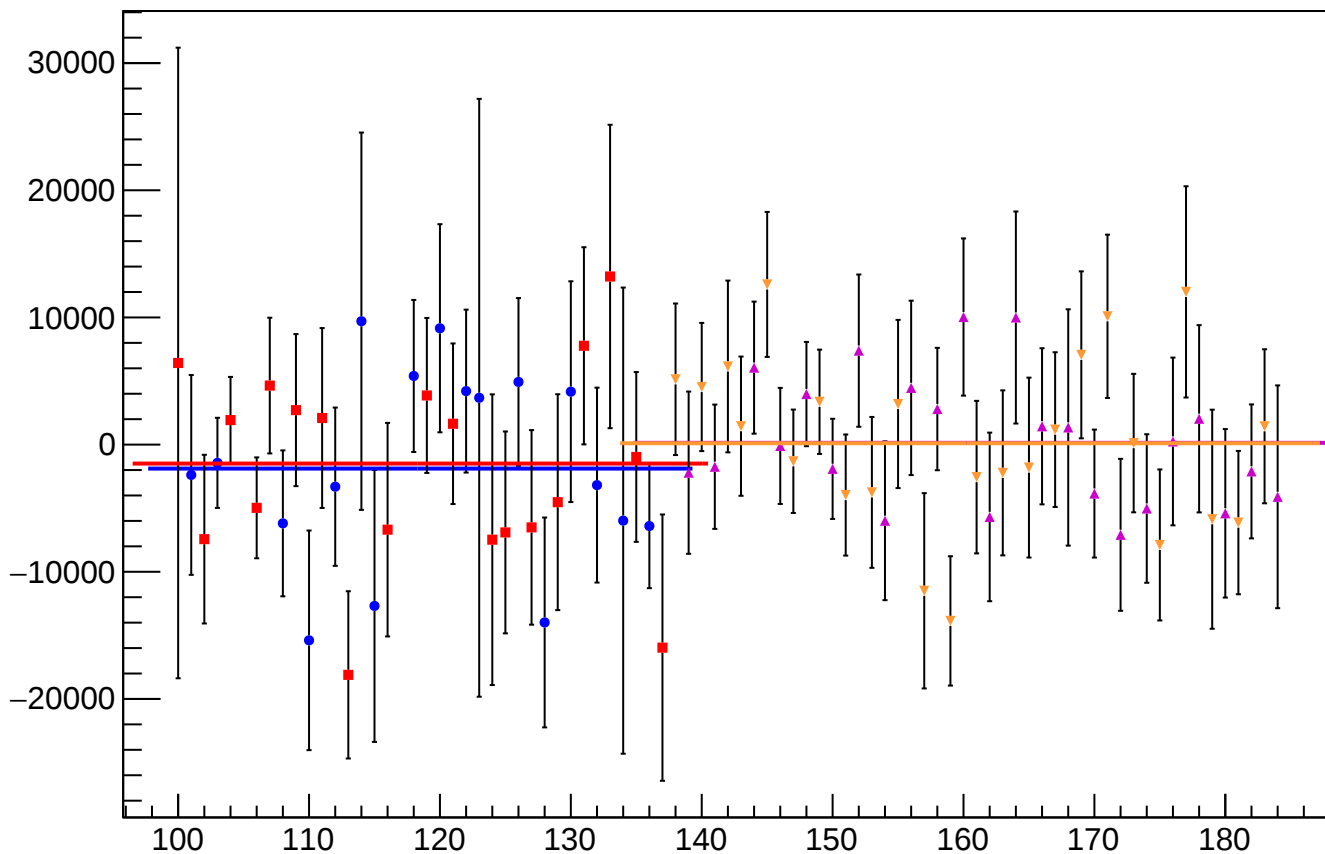
Right: 1937.370+/-0.379 χ^2/NDF : 836257.0/35

In: 1911.374+/-0.277 χ^2/NDF : 645931.1/39

Out: 1907.677+/-0.271 χ^2/NDF : 248291.5/42

All: 1909.481+/-0.194 χ^2/NDF : 894313.5/82

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: -1885.502 $\pm$ 1665.011 χ^2 /NDF: 13.6/16

Left Out: 107.477 $\pm$ 1178.973 χ^2 /NDF: 28.7/23

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: 123.080 $\pm$ 837.841 χ^2 /NDF: 43.4/46

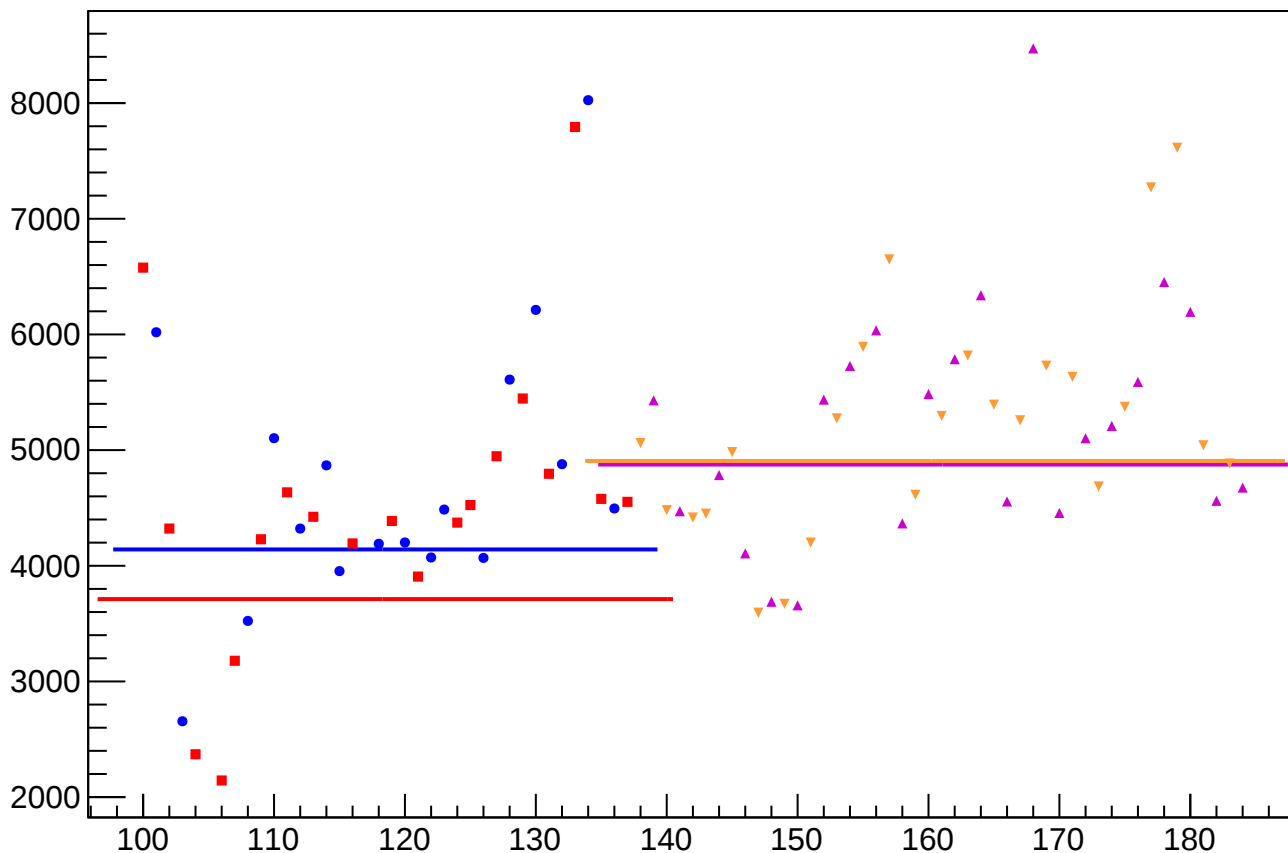
Right: -1665.070 $\pm$ 1106.022 χ^2 /NDF: 32.4/35

In: -546.168 $\pm$ 968.627 χ^2 /NDF: 29.3/39

Out: -513.262 $\pm$ 922.064 χ^2 /NDF: 48.1/42

All: -528.905 $\pm$ 667.852 χ^2 /NDF: 77.4/82

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 4141.263+/-1.177 χ^2/NDF : 818140.6/16

Left Out: 4906.200+/-0.834 χ^2/NDF : 1133495.4/23

Right Out: 3711.958+/-1.046 χ^2/NDF : 1276723.1/18

Left In: 4875.112+/-0.842 χ^2/NDF : 1229198.0/22

Left: 4890.812+/-0.592 χ^2/NDF : 2363381.7/46

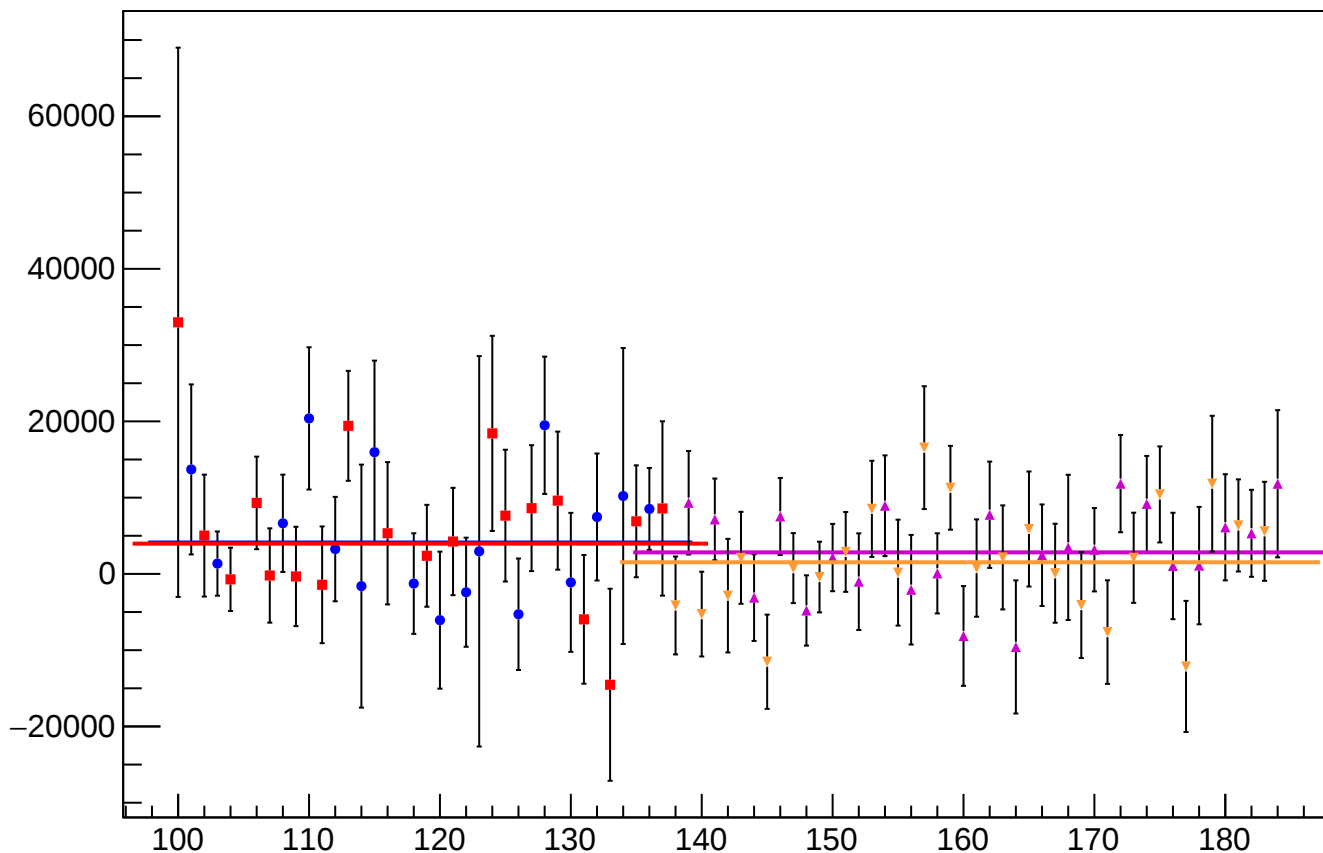
Right: 3901.392+/-0.782 χ^2/NDF : 2169155.3/35

In: 4626.750+/-0.685 χ^2/NDF : 2304365.9/39

Out: 4442.434+/-0.652 χ^2/NDF : 3207134.2/42

All: 4530.056+/-0.472 χ^2/NDF : 5549491.0/82

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4116.431+/-1876.246 χ^2/NDF : 14.1/16

Left Out: 1529.703+/-1275.840 χ^2/NDF : 25.1/23

Right Out: 3971.073+/-1728.385 χ^2/NDF : 14.8/18

Left In: 2824.078+/-1288.414 χ^2/NDF : 18.0/22

Left: 2170.544+/-906.568 χ^2/NDF : 43.6/46

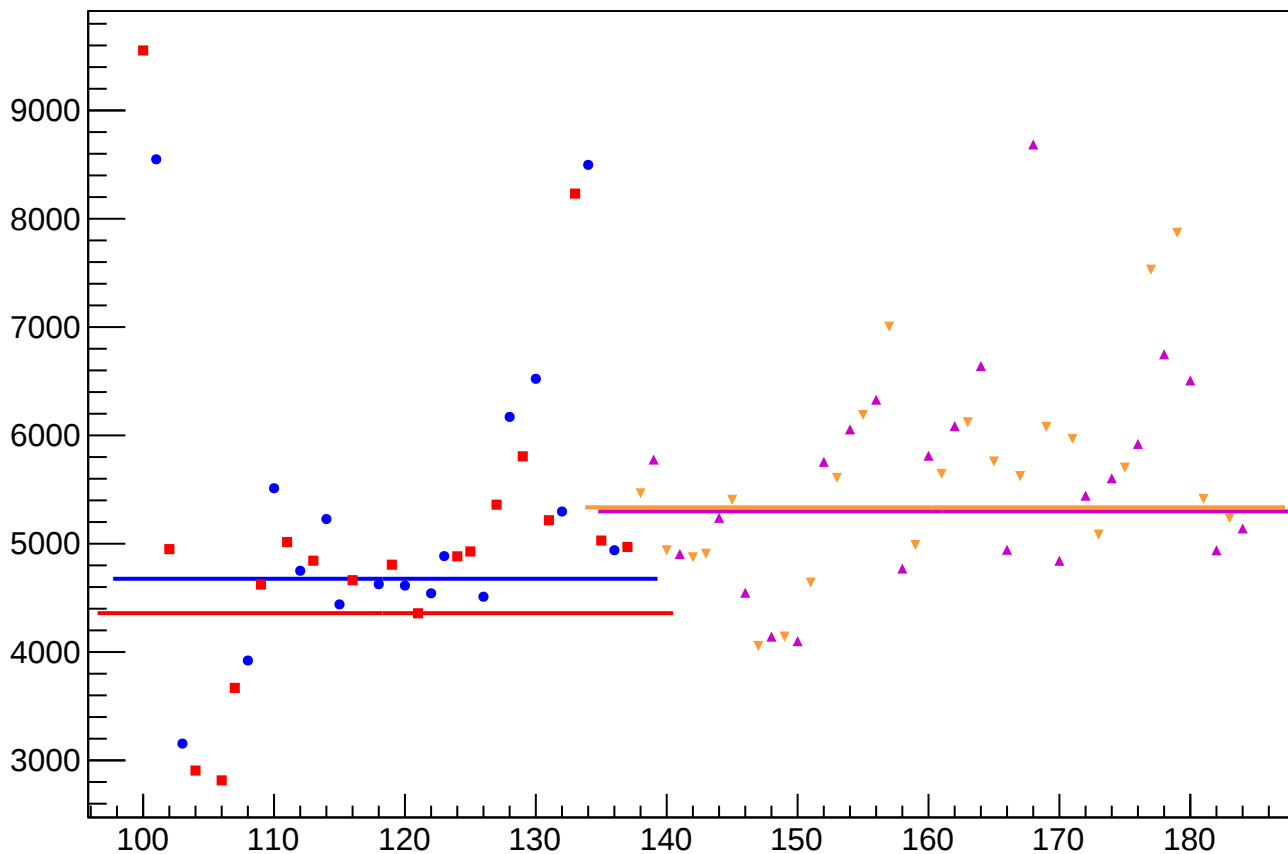
Right: 4037.799+/-1271.216 χ^2/NDF : 28.9/35

In: 3238.208+/-1062.105 χ^2/NDF : 32.4/39

Out: 2390.790+/-1026.472 χ^2/NDF : 41.2/42

All: 2800.045+/-738.101 χ^2/NDF : 73.9/82

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4676.405 $\pm$ 1.327 χ^2 /NDF: 783034.3/16

Left Out: 5336.344 $\pm$ 0.902 χ^2 /NDF:865340.2/23

Right Out: 4359.077 $\pm$ 1.215 χ^2 /NDF: 833565.3/18

Left In: 5298.329 $\pm$ 0.911 χ^2 /NDF:956021.6/22

Left: 5317.523 $\pm$ 0.641 χ^2 /NDF: 1822240.9/46

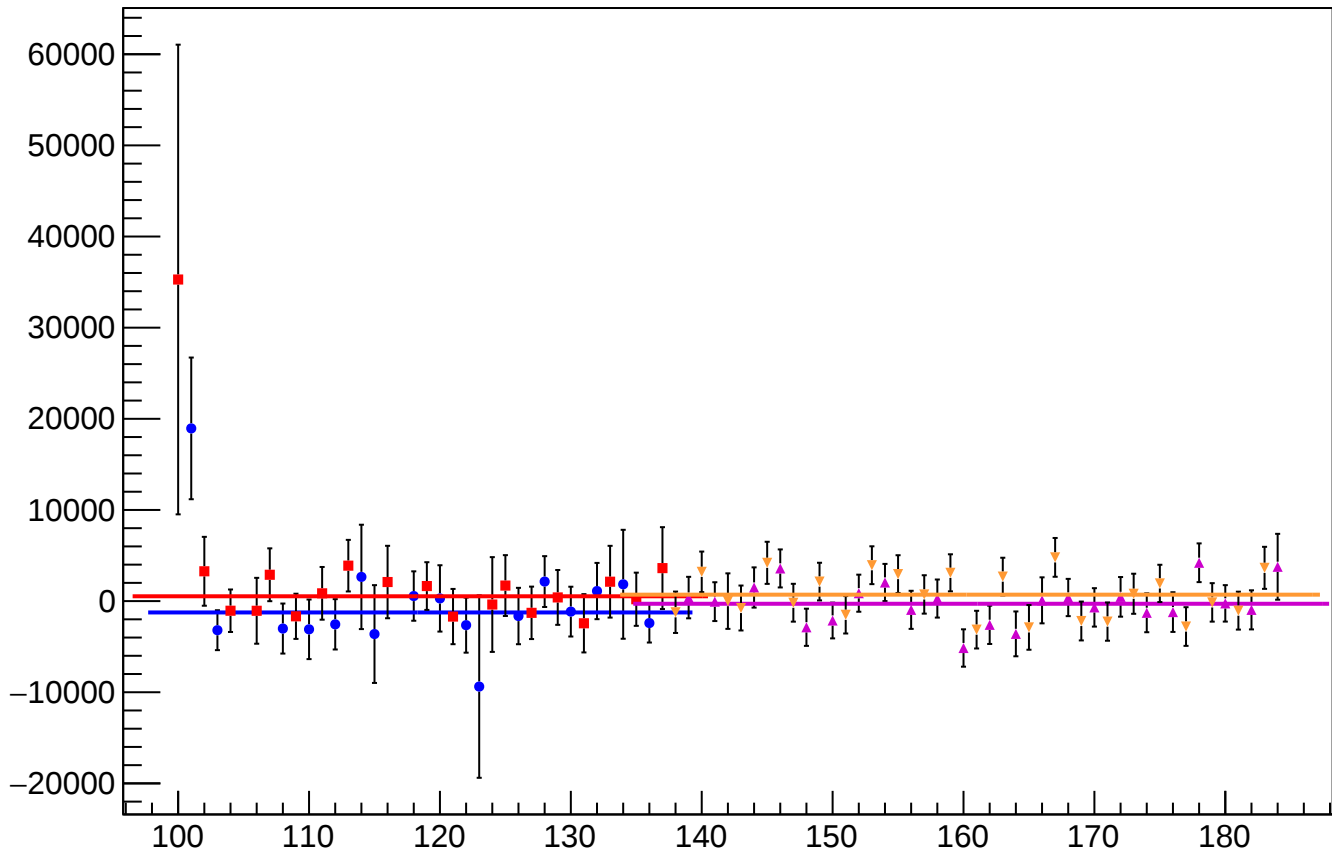
Right: 4503.830 $\pm$ 0.896 χ^2 /NDF: 1647712.1/35

In: 5099.036 $\pm$ 0.751 χ^2 /NDF:1888387.0/39

Out: 4989.058 $\pm$ 0.724 χ^2 /NDF:2115907.5/42

All: 5042.058 $\pm$ 0.521 χ^2 /NDF: 4015404.3/82

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1245.595 $\pm$ 767.454 χ^2 /NDF: 13.3/16

Left Out: 705.468 $\pm$ 442.581 χ^2 /NDF:31.1/23

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: 214.057 $\pm$ 315.396 χ^2 /NDF: 57.3/46

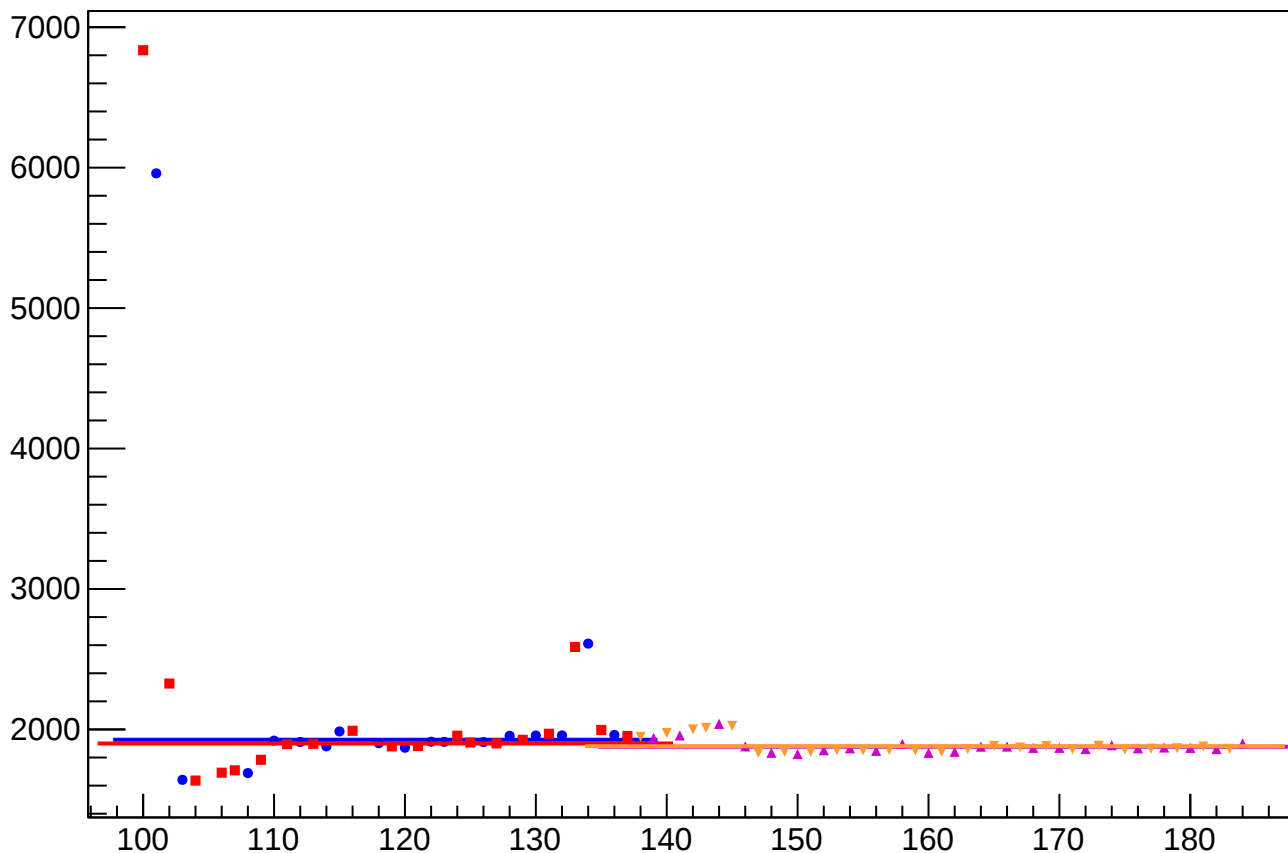
Right: -317.076 $\pm$ 529.863 χ^2 /NDF: 24.9/35

In: -536.384 $\pm$ 387.916 χ^2 /NDF:38.1/39

Out: 658.183 $\pm$ 378.798 χ^2 /NDF:40.0/42

All: 75.104 $\pm$ 271.017 χ^2 /NDF: 82.9/82

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1926.691+/-0.543 χ^2/NDF : 615898.2/16

Left Out: 1880.665+/-0.313 χ^2/NDF : 27708.7/23

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: 1878.706+/-0.223 χ^2/NDF : 48288.0/46

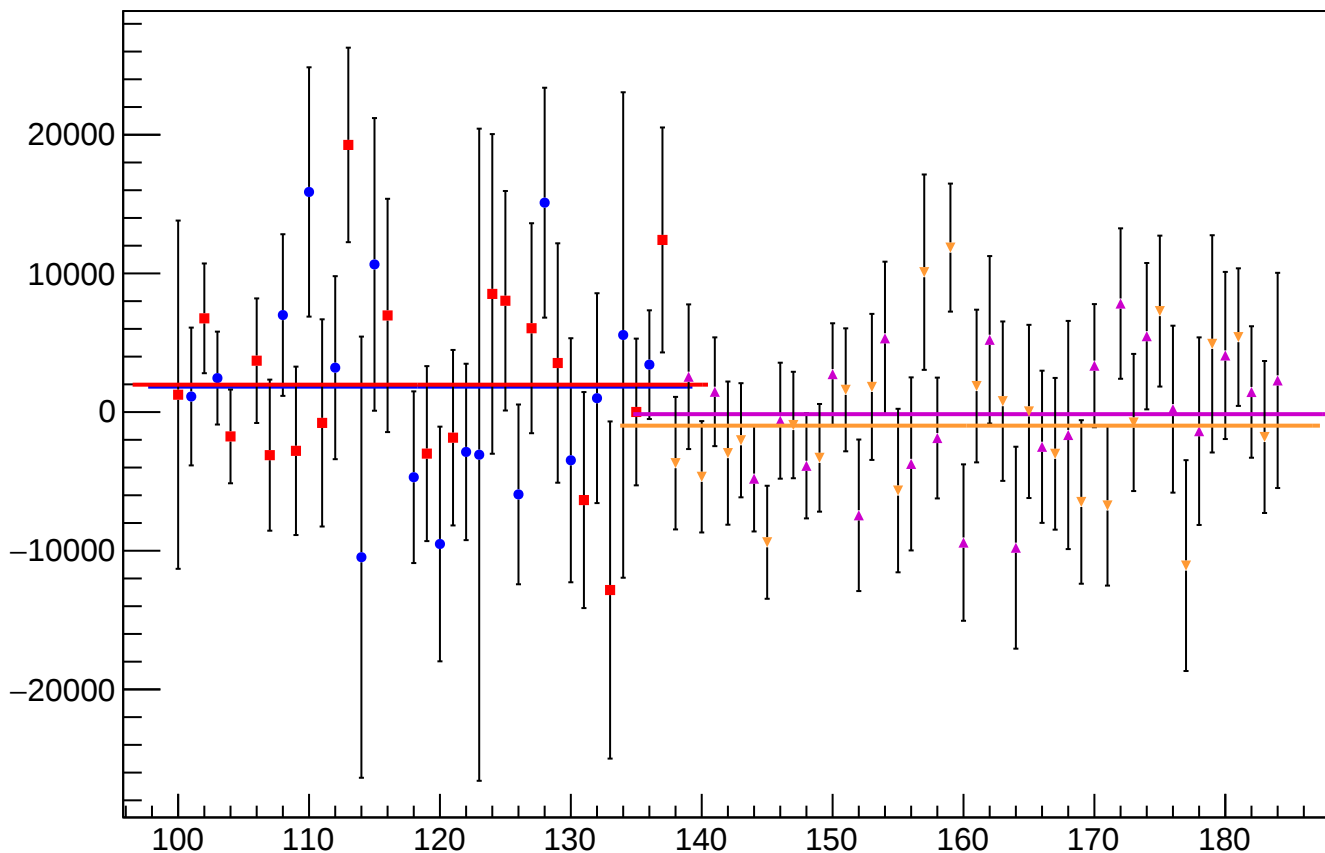
Right: 1912.763+/-0.374 χ^2/NDF : 828138.1/35

In: 1889.461+/-0.274 χ^2/NDF : 642719.9/39

Out: 1885.890+/-0.268 χ^2/NDF : 239731.2/42

All: 1887.632+/-0.192 χ^2/NDF : 882537.9/82

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1834.690 ± 1559.964 $\chi^2/\text{NDF}: 12.7/16$

Left Out: -978.749 ± 1029.985 $\chi^2/\text{NDF}: 26.2/23$

Right Out: 1977.025 ± 1415.600 $\chi^2/\text{NDF}: 17.5/18$

Left In: -150.495 ± 1053.655 $\chi^2/\text{NDF}: 16.9/22$

Left: -574.030 ± 736.535 $\chi^2/\text{NDF}: 43.4/46$

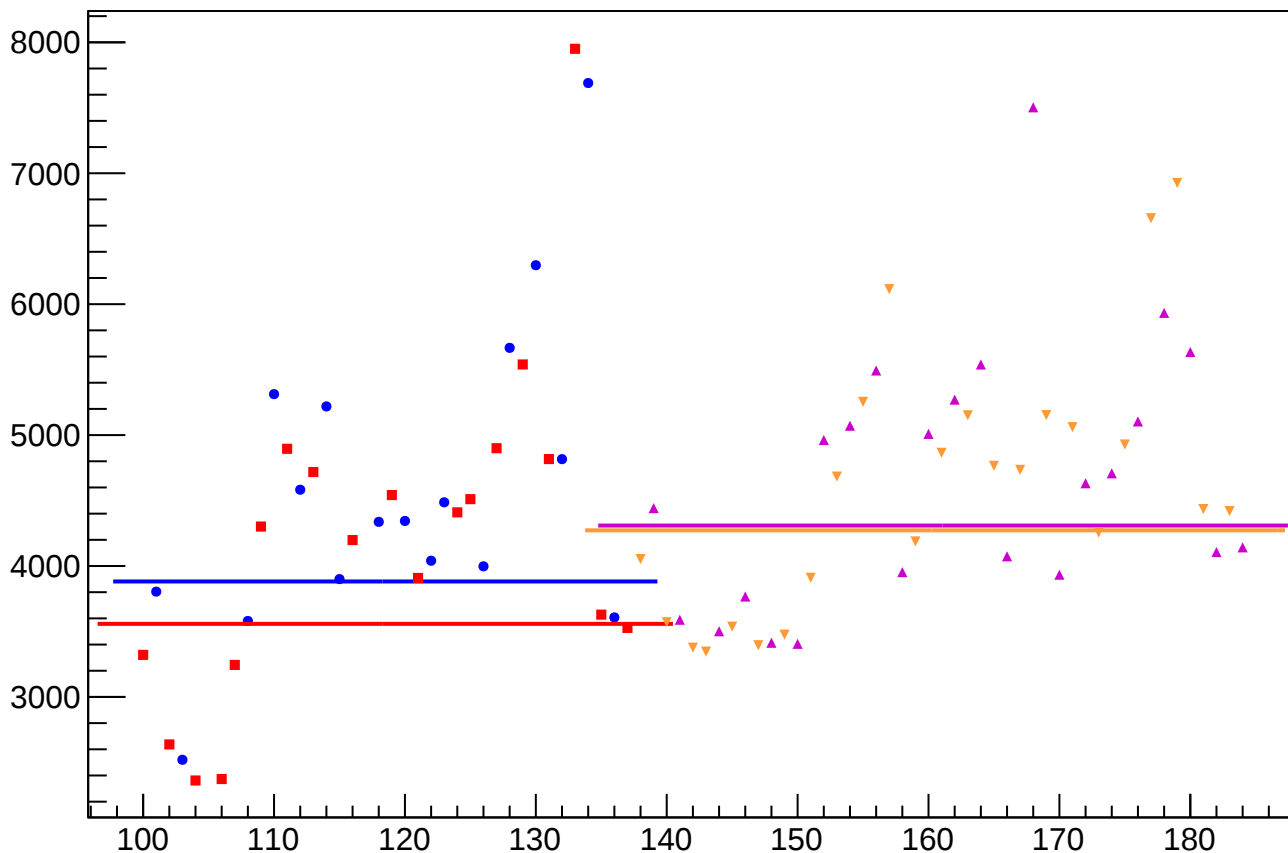
Right: 1912.747 ± 1048.312 $\chi^2/\text{NDF}: 30.2/35$

In: 471.438 ± 873.144 $\chi^2/\text{NDF}: 30.7/39$

Out: 44.383 ± 832.858 $\chi^2/\text{NDF}: 46.5/42$

All: 247.831 ± 602.658 $\chi^2/\text{NDF}: 77.3/82$

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3881.913 $\pm$ 1.103 χ^2 /NDF: 821979.1/16

Left Out: 4272.634 $\pm$ 0.728 χ^2 /NDF:1336142.3/23

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: 4290.421 $\pm$ 0.521 χ^2 /NDF: 2642496.1/46

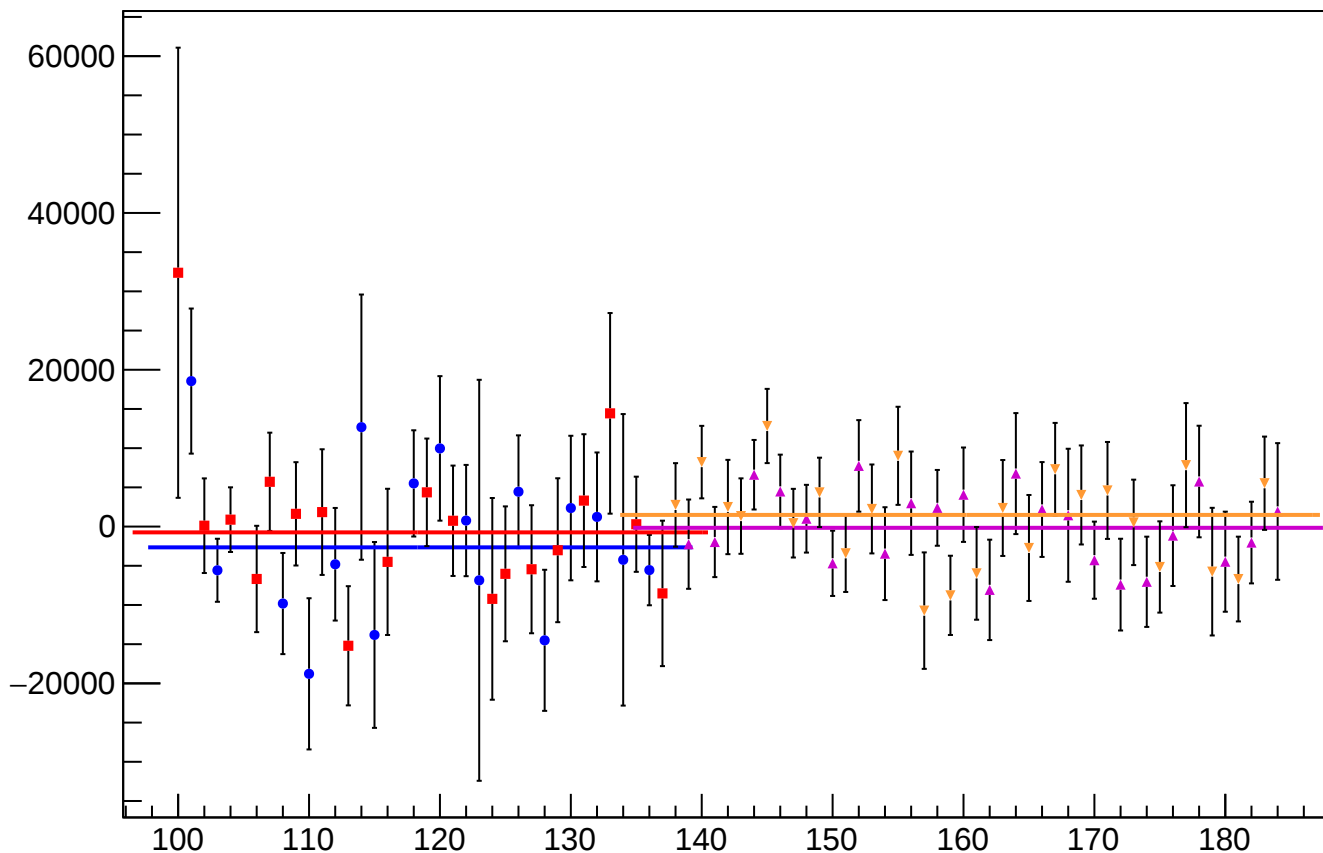
Right: 3704.379 $\pm$ 0.741 χ^2 /NDF: 2111225.8/35

In: 4175.222 $\pm$ 0.617 χ^2 /NDF:2230074.2/39

Out: 4025.329 $\pm$ 0.589 χ^2 /NDF:2911253.0/42

All: 4096.738 $\pm$ 0.426 χ^2 /NDF: 5172189.0/82

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2650.826 $\pm$ 1813.388 χ^2/NDF : 18.9/16

Left Out: 1487.043 $\pm$ 1139.925 χ^2/NDF : 26.6/23

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: 679.612 $\pm$ 813.572 χ^2/NDF : 43.2/46

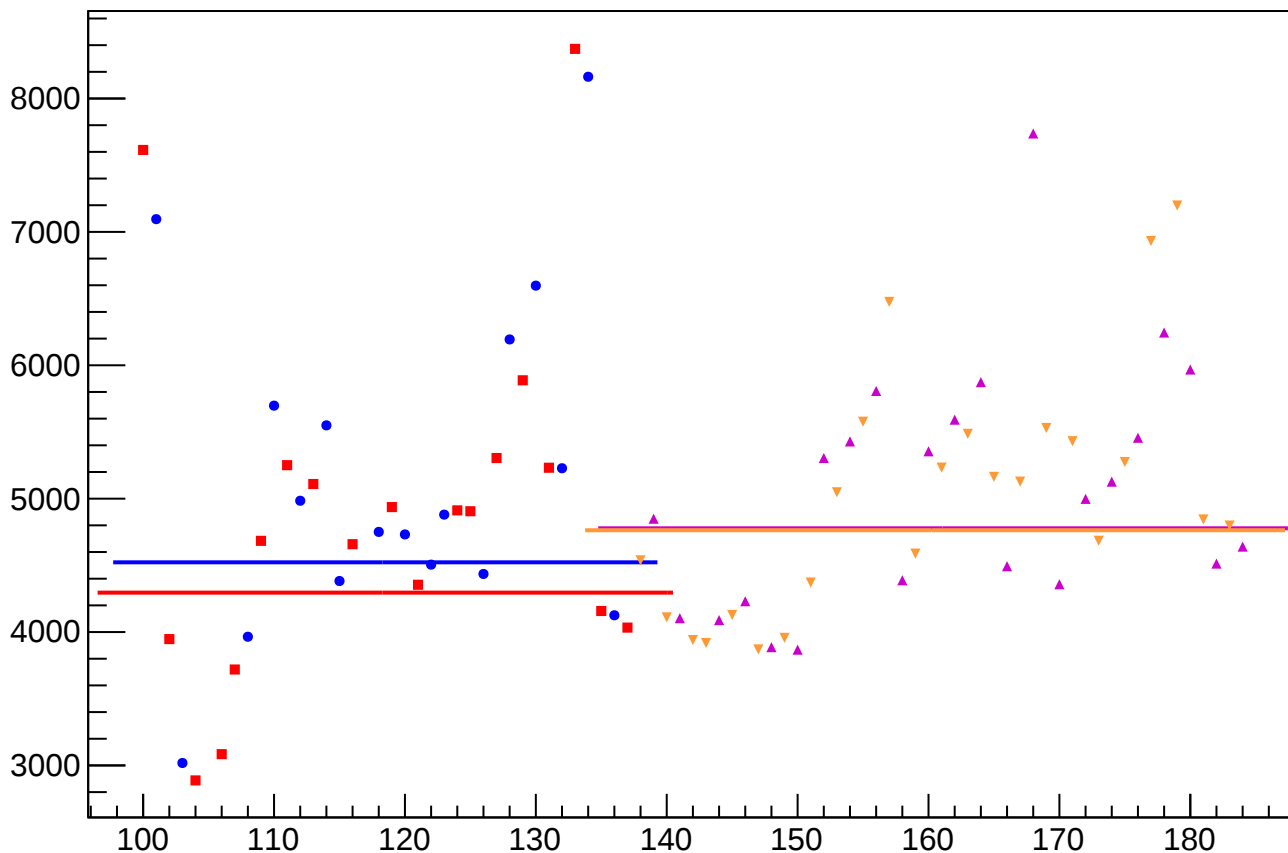
Right: -1629.818 $\pm$ 1237.593 χ^2/NDF : 31.0/35

In: -883.678 $\pm$ 978.074 χ^2/NDF : 35.7/39

Out: 792.586 $\pm$ 945.602 χ^2/NDF : 39.3/42

All: -17.258 $\pm$ 679.832 χ^2/NDF : 76.6/82

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4522.775 $\pm$ 1.282 χ^2 /NDF: 776612.8/16

Left Out: 4763.310 $\pm$ 0.806 χ^2 /NDF: 942116.1/23

Right Out: 4295.614 $\pm$ 1.191 χ^2 /NDF: 773207.8/18

Left In: 4777.831 $\pm$ 0.821 χ^2 /NDF: 950291.2/22

Left: 4770.434 $\pm$ 0.575 χ^2 /NDF: 1892566.6/46

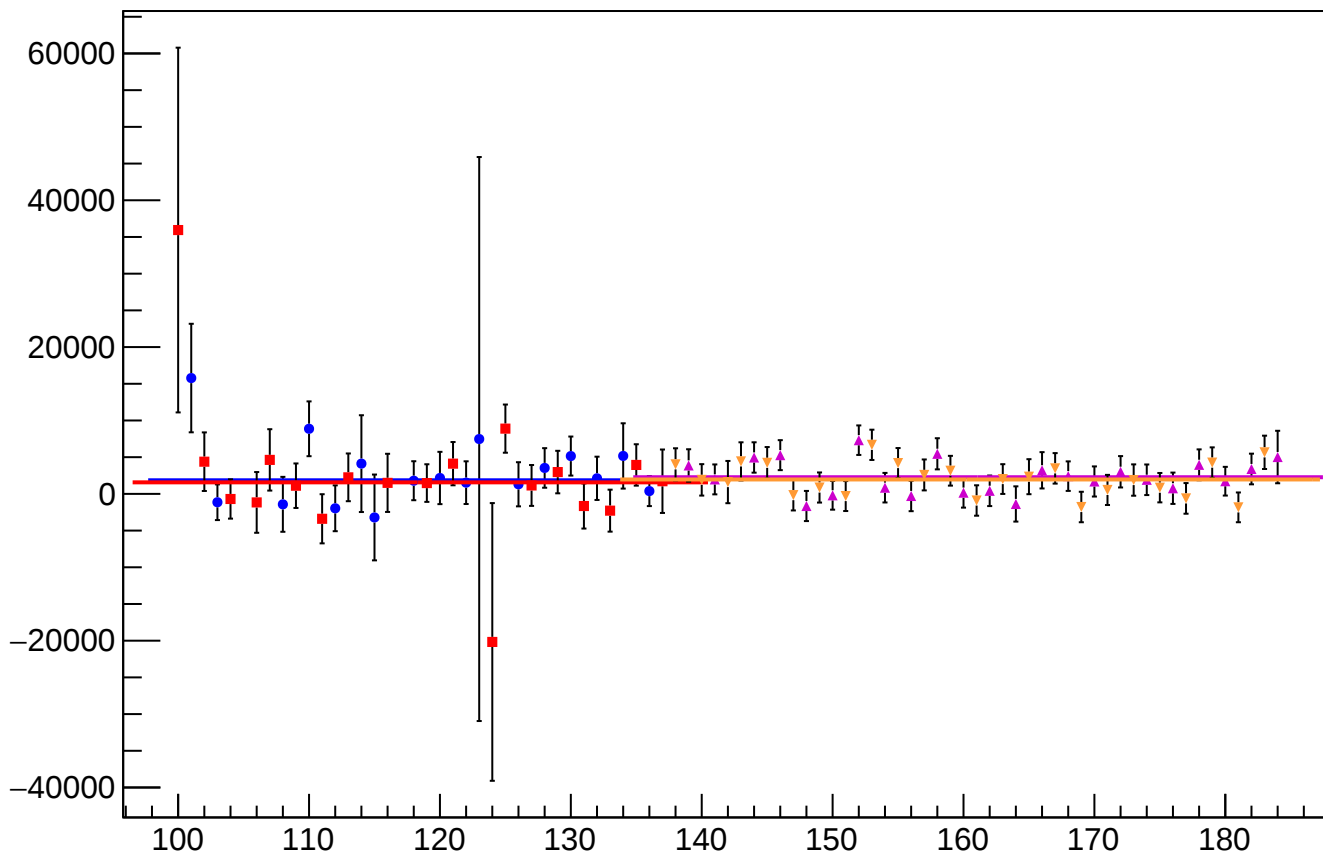
Right: 4400.789 $\pm$ 0.872 χ^2 /NDF: 1566674.2/35

In: 4703.632 $\pm$ 0.692 χ^2 /NDF: 1754959.6/39

Out: 4616.322 $\pm$ 0.667 χ^2 /NDF: 1821132.6/42

All: 4658.428 $\pm$ 0.480 χ^2 /NDF: 3584343.6/82

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1850.872 $\pm$ 785.814 χ^2 /NDF: 14.8/16

Left Out: 1963.275 $\pm$ 435.128 χ^2 /NDF: 27.8/23

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: 2113.579 $\pm$ 309.983 χ^2 /NDF: 54.9/46

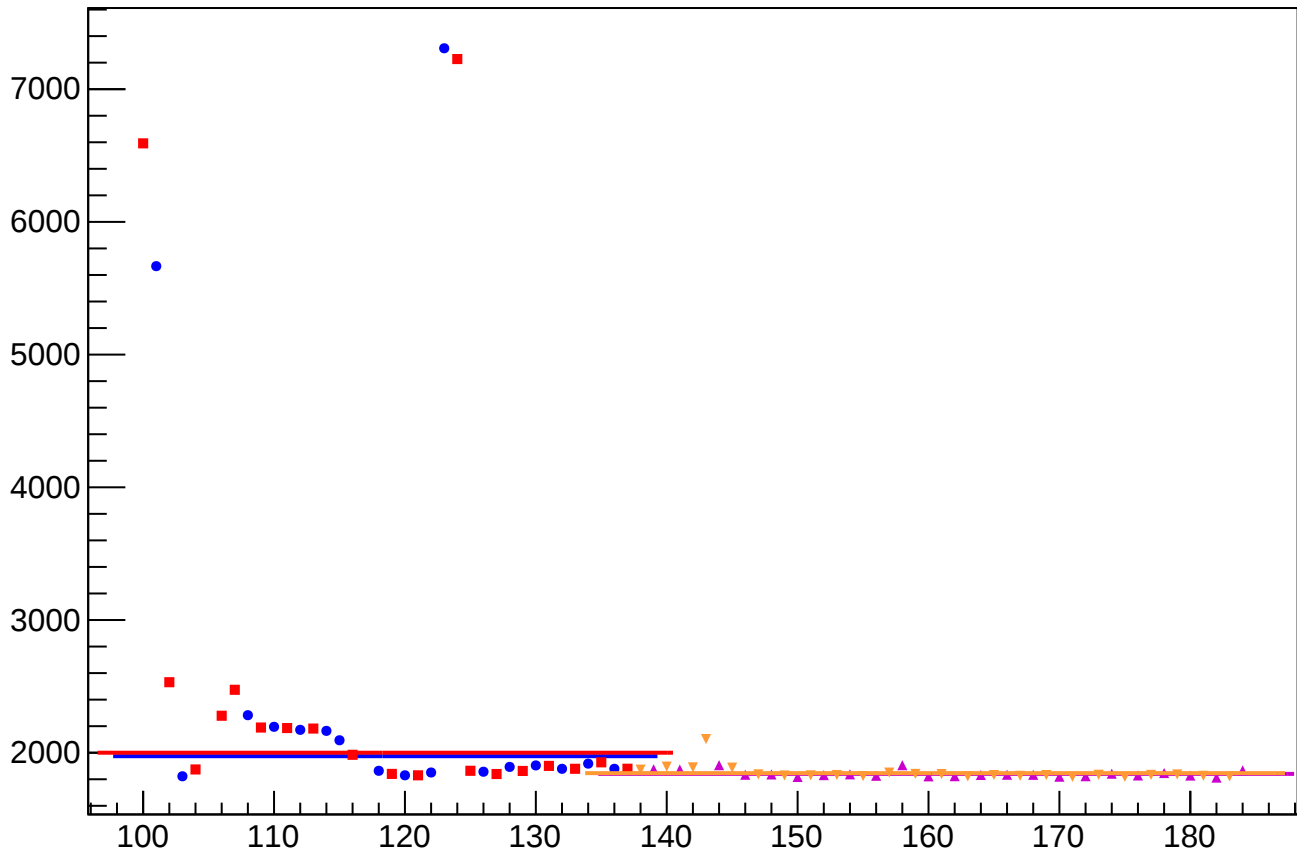
Right: 1707.759 $\pm$ 549.266 χ^2 /NDF: 32.2/35

In: 2168.200 $\pm$ 385.049 χ^2 /NDF: 41.9/39

Out: 1867.972 $\pm$ 378.592 χ^2 /NDF: 45.3/42

All: 2015.548 $\pm$ 269.959 χ^2 /NDF: 87.5/82

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1973.812 $\pm$ 0.556 χ^2 /NDF: 599877.2/16

Left Out: 1846.048 $\pm$ 0.308 χ^2 /NDF: 24778.9/23

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: 1843.336 $\pm$ 0.219 χ^2 /NDF: 31676.8/46

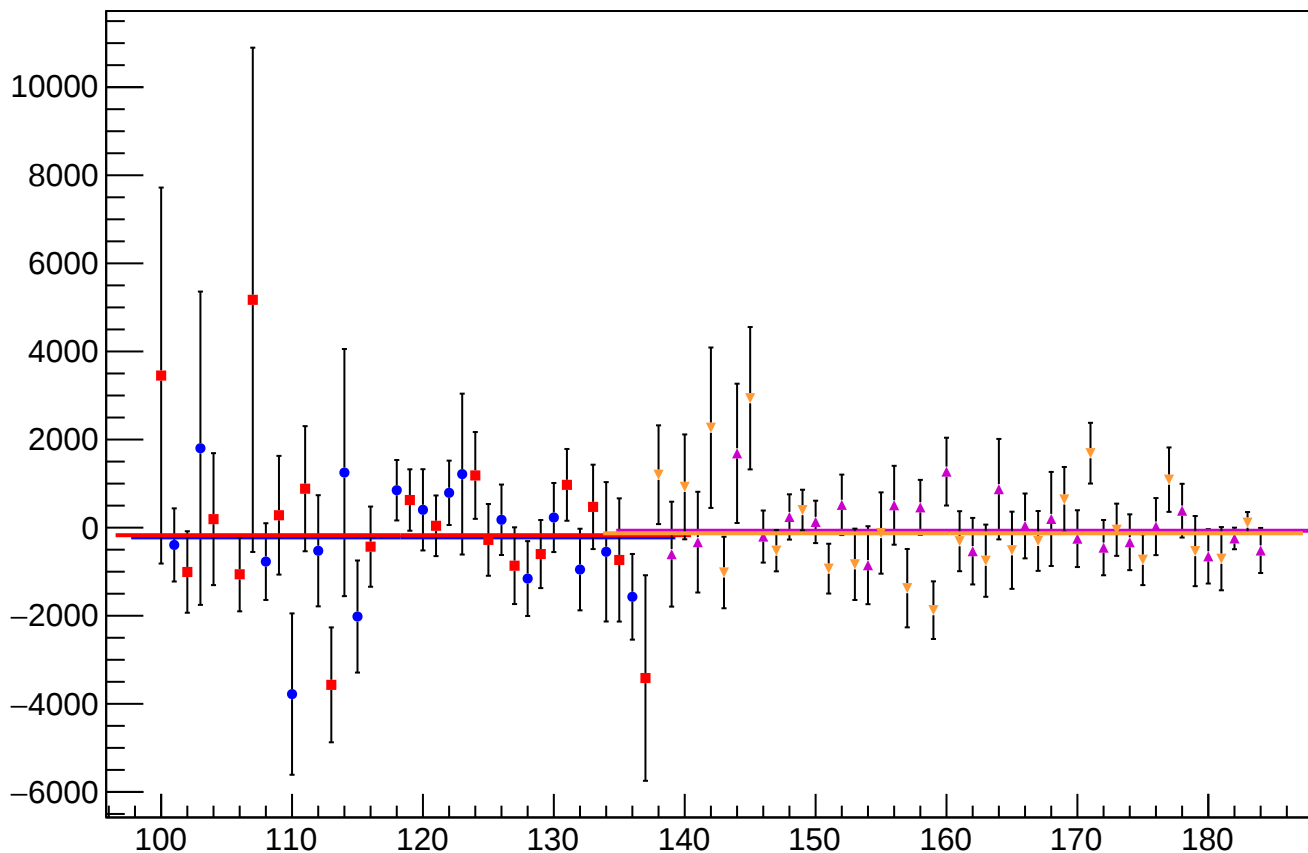
Right: 1987.241 $\pm$ 0.388 χ^2 /NDF: 954639.9/35

In: 1872.540 $\pm$ 0.272 χ^2 /NDF: 650330.8/39

Out: 1883.472 $\pm$ 0.268 χ^2 /NDF: 439286.6/42

All: 1878.098 $\pm$ 0.191 χ^2 /NDF: 1090437.1/82

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -220.797 $\pm$ 241.210 χ^2 /NDF: 16.7/16

Left Out: -128.257 $\pm$ 127.017 χ^2 /NDF:37.3/23

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: -99.151 $\pm$ 89.586 χ^2 /NDF: 49.7/46

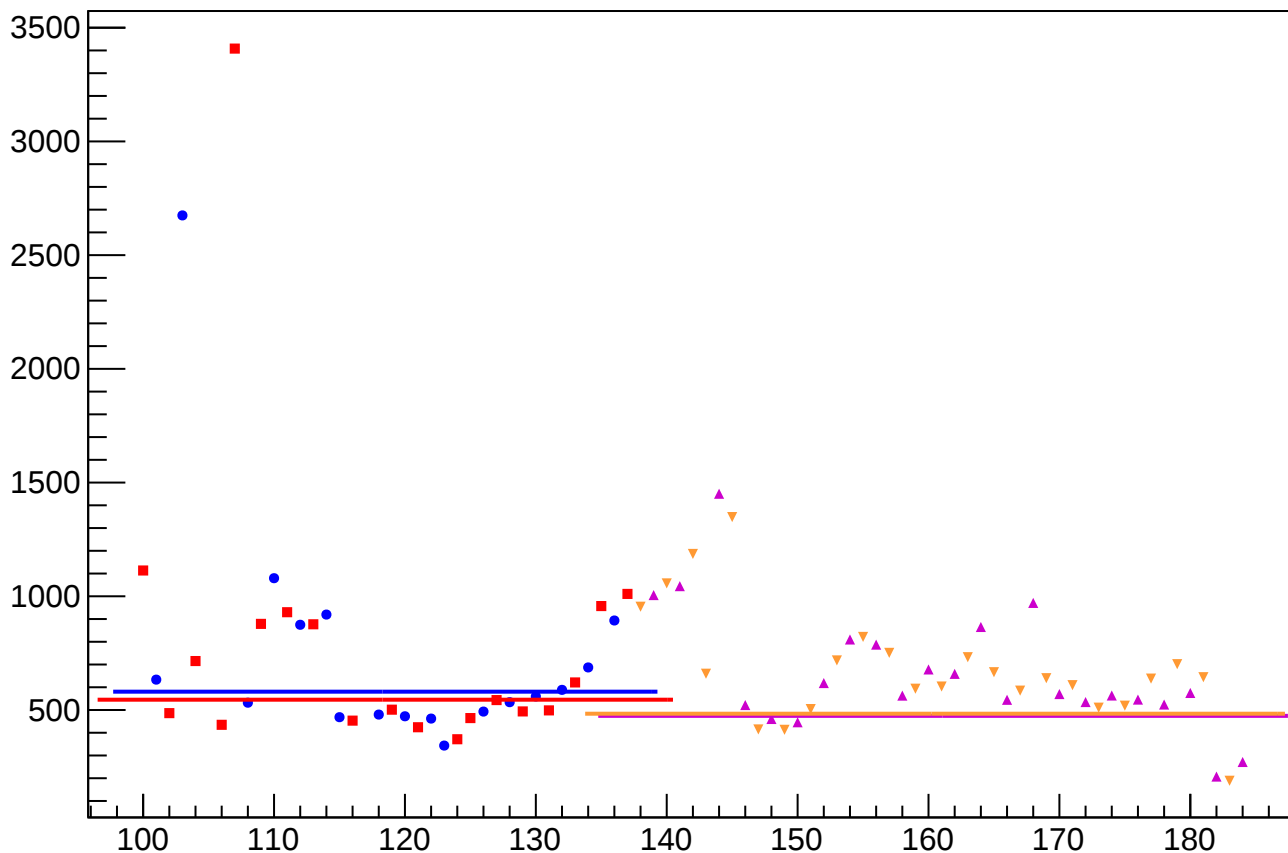
Right: -195.039 $\pm$ 166.365 χ^2 /NDF: 36.6/35

In: -102.744 $\pm$ 111.940 χ^2 /NDF:29.3/39

Out: -138.419 $\pm$ 111.161 χ^2 /NDF:57.2/42

All: -120.706 $\pm$ 78.877 χ^2 /NDF: 86.5/82

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 580.578 $\pm$ 0.171 χ^2 /NDF: 1413766.8/16

Left Out: 483.687 $\pm$ 0.090 χ^2 /NDF: 6445210.7/23

Right Out: 545.286 $\pm$ 0.162 χ^2 /NDF: 1455572.2/18

Left In: 474.263 $\pm$ 0.089 χ^2 /NDF: 6173100.1/22

Left: 478.951 $\pm$ 0.063 χ^2 /NDF: 12623844.3/46

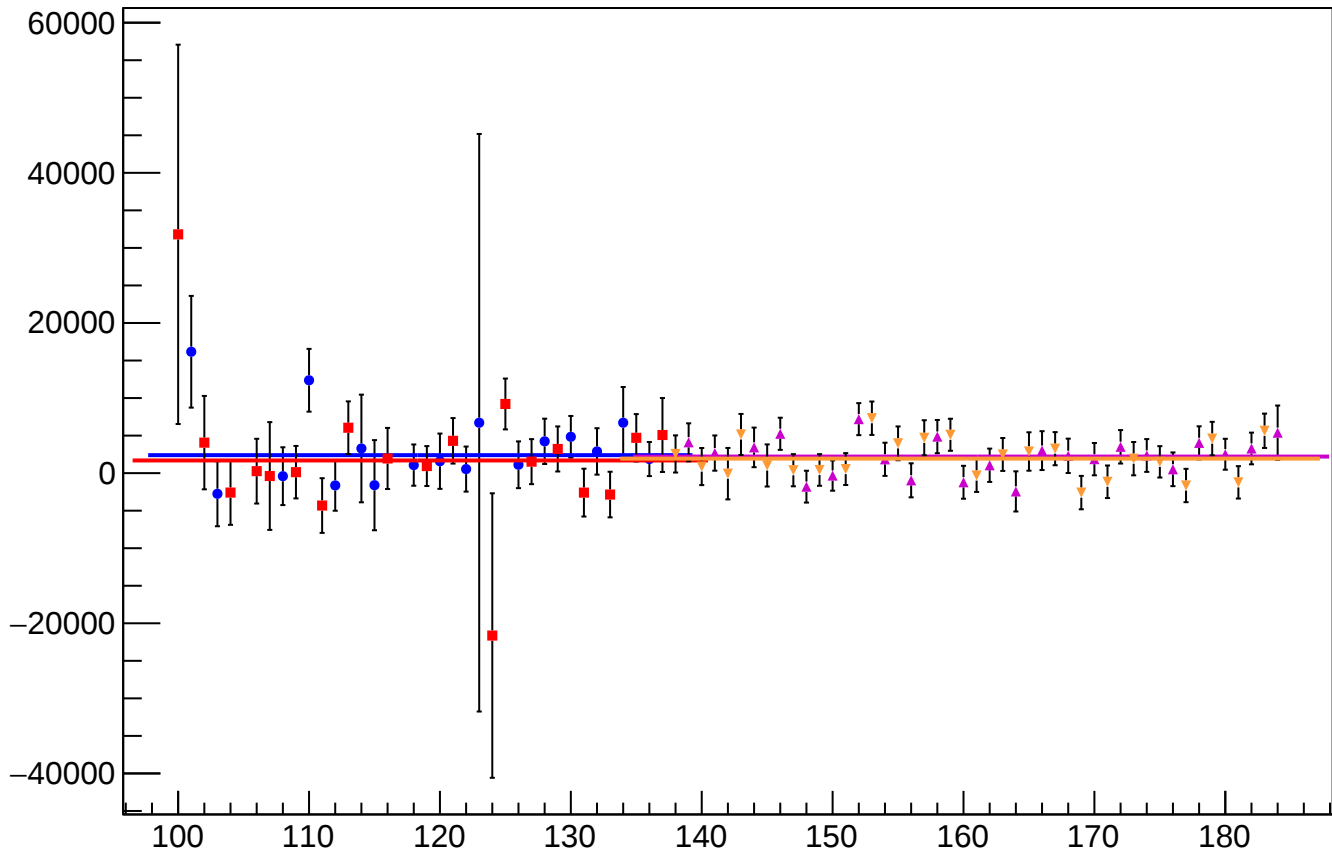
Right: 562.075 $\pm$ 0.118 χ^2 /NDF: 2891787.0/35

In: 497.160 $\pm$ 0.079 χ^2 /NDF: 7891726.7/39

Out: 498.106 $\pm$ 0.079 χ^2 /NDF: 8010890.4/42

All: 497.636 $\pm$ 0.056 χ^2 /NDF: 15902689.1/82

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2394.430+/-865.666 χ^2/NDF : 15.8/16

Left Out: 1935.903+/-467.656 χ^2/NDF : 30.5/23

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: 2070.160+/-332.920 χ^2/NDF : 56.0/46

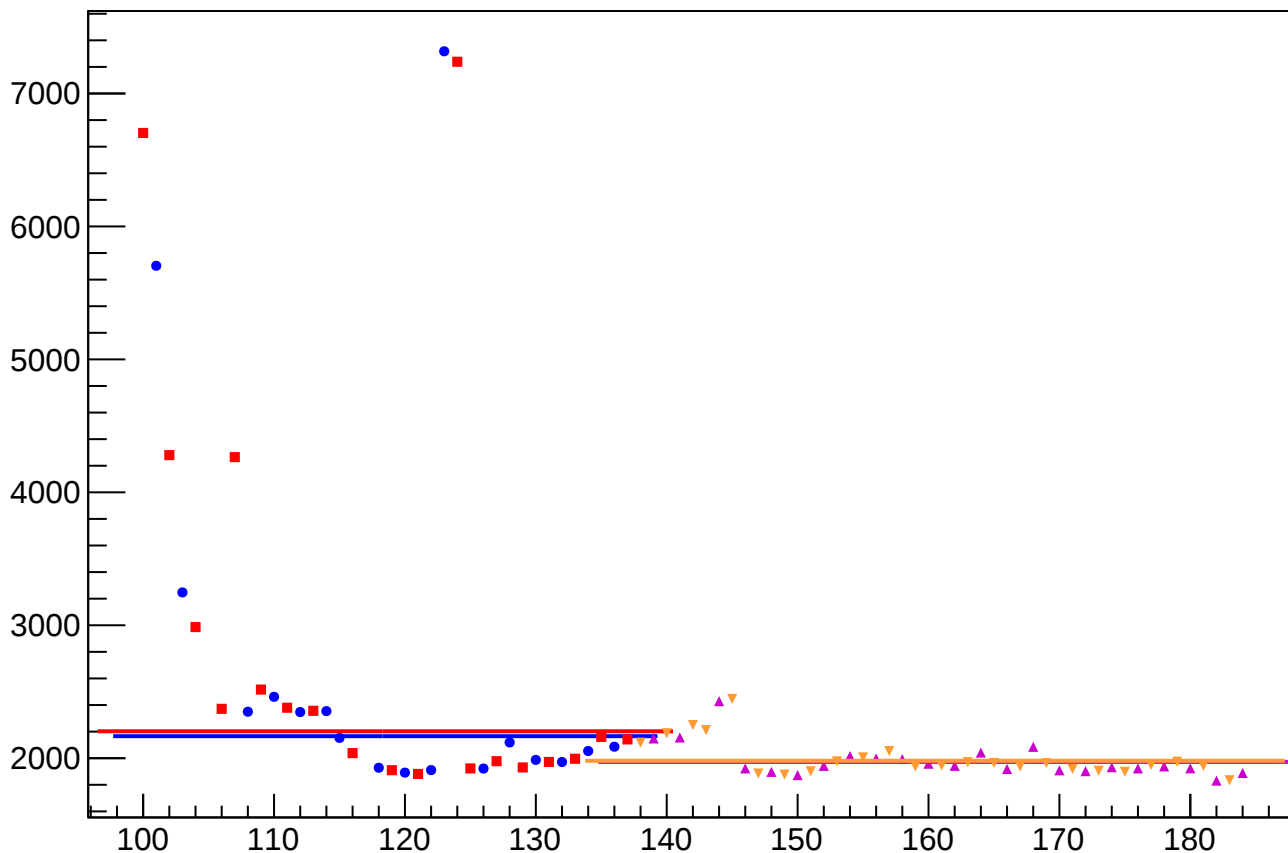
Right: 2037.897+/-608.710 χ^2/NDF : 36.4/35

In: 2251.097+/-415.789 χ^2/NDF : 41.2/39

Out: 1879.204+/-410.414 χ^2/NDF : 50.7/42

All: 2062.731+/-292.088 χ^2/NDF : 92.3/82

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2165.566 ± 0.612 χ^2/NDF : 707806.4/16

Left Out: 1980.546 ± 0.331 χ^2/NDF : 134236.3/23

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: 1976.413 ± 0.235 χ^2/NDF : 251005.4/46

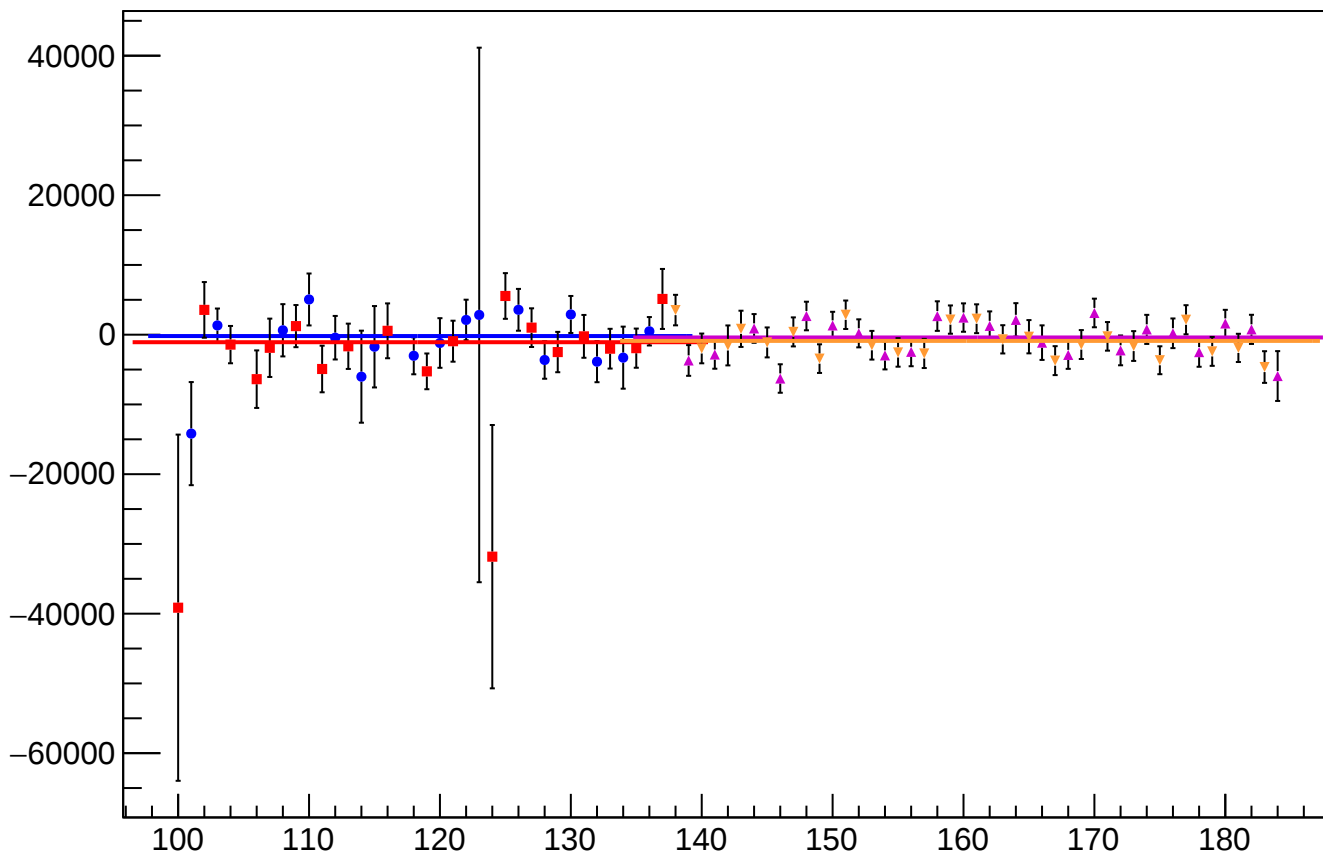
Right: 2184.324 ± 0.430 χ^2/NDF : 1508738.0/35

In: 2016.783 ± 0.294 χ^2/NDF : 901054.8/39

Out: 2031.595 ± 0.290 χ^2/NDF : 1037005.5/42

All: 2024.285 ± 0.207 χ^2/NDF : 1939345.8/82

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -195.092+/-784.368 χ^2/NDF : 15.4/16

Left Out: -889.676+/-434.435 χ^2/NDF : 26.0/23

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: -648.054+/-309.572 χ^2/NDF : 61.0/46

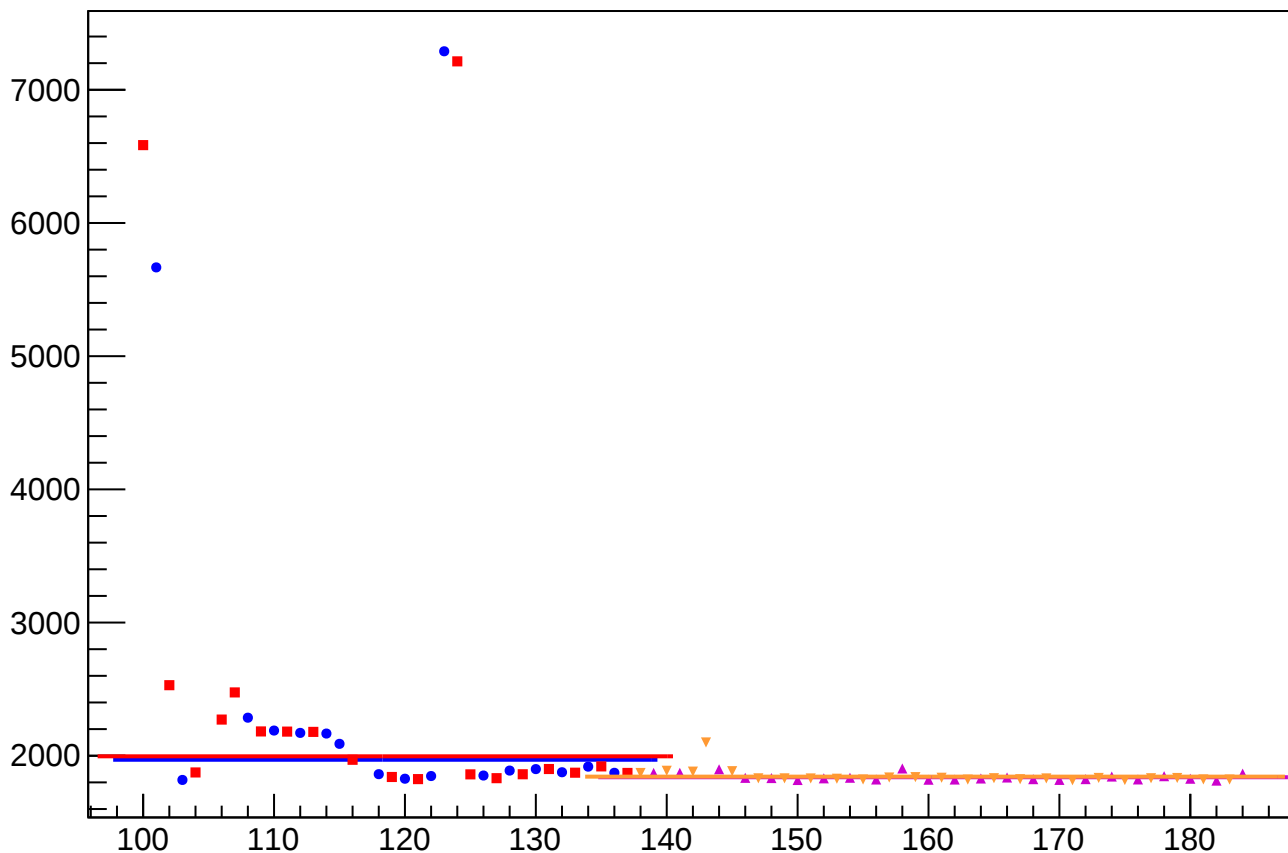
Right: -647.080+/-548.178 χ^2/NDF : 36.2/35

In: -349.829+/-384.571 χ^2/NDF : 49.9/39

Out: -935.623+/-377.941 χ^2/NDF : 46.1/42

All: -647.819+/-269.558 χ^2/NDF : 97.2/82

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1969.951+/-0.555 χ^2/NDF : 602002.6/16

Left Out: 1843.137+/-0.307 χ^2/NDF : 24202.5/23

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: 1840.909+/-0.219 χ^2/NDF : 30644.5/46

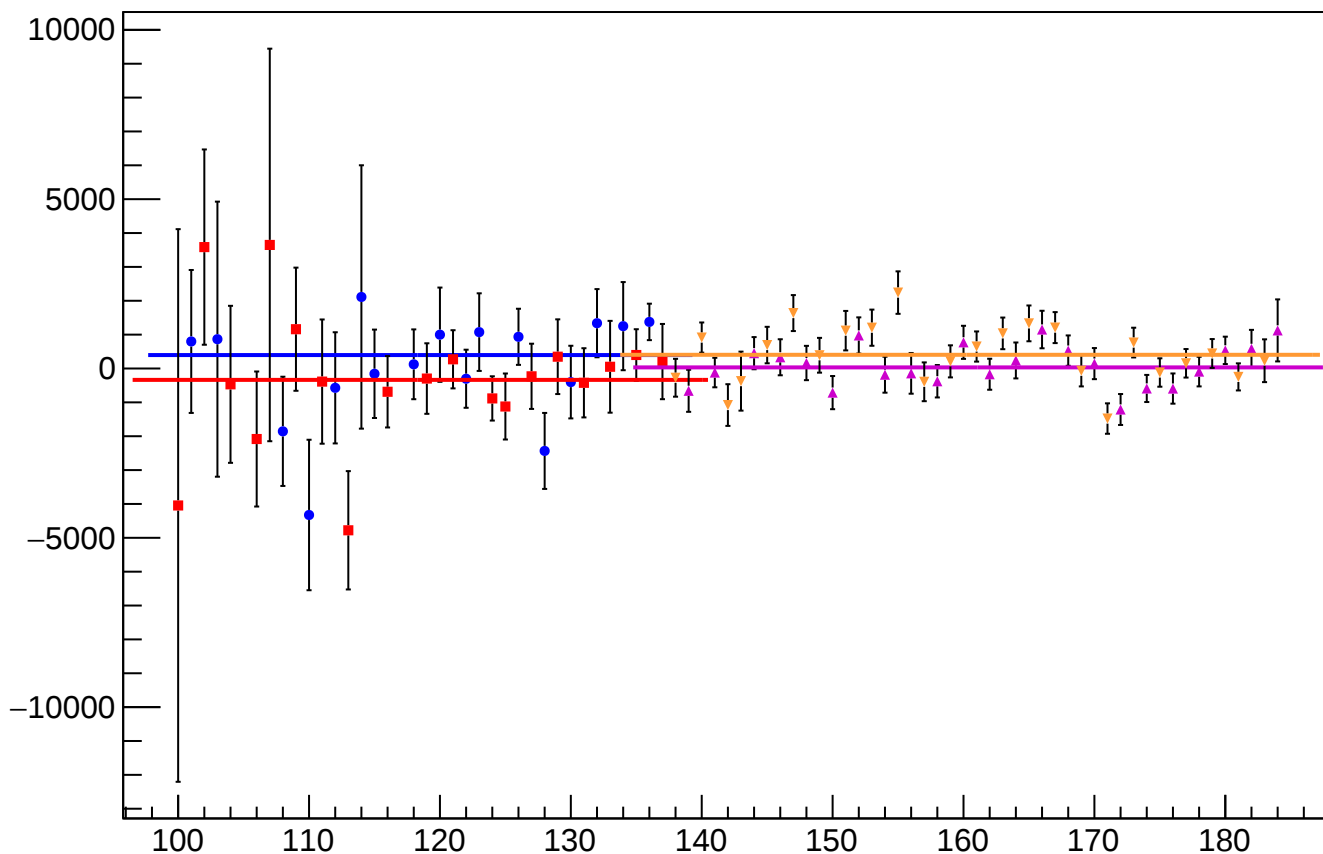
Right: 1983.150+/-0.388 χ^2/NDF : 957410.2/35

In: 1870.184+/-0.272 χ^2/NDF : 650934.5/39

Out: 1880.248+/-0.267 χ^2/NDF : 438520.6/42

All: 1875.304+/-0.191 χ^2/NDF : 1090152.0/82

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 396.702 $\pm$ 270.925 χ^2 /NDF: 20.5/16

Left Out: 404.452 $\pm$ 101.090 χ^2 /NDF:61.7/23

Right Out: -336.277 $\pm$ 266.891 χ^2 /NDF: 14.1/18

Left In: 32.456 $\pm$ 102.403 χ^2 /NDF:32.7/22

Left: 220.855 $\pm$ 71.941 χ^2 /NDF: 101.1/46

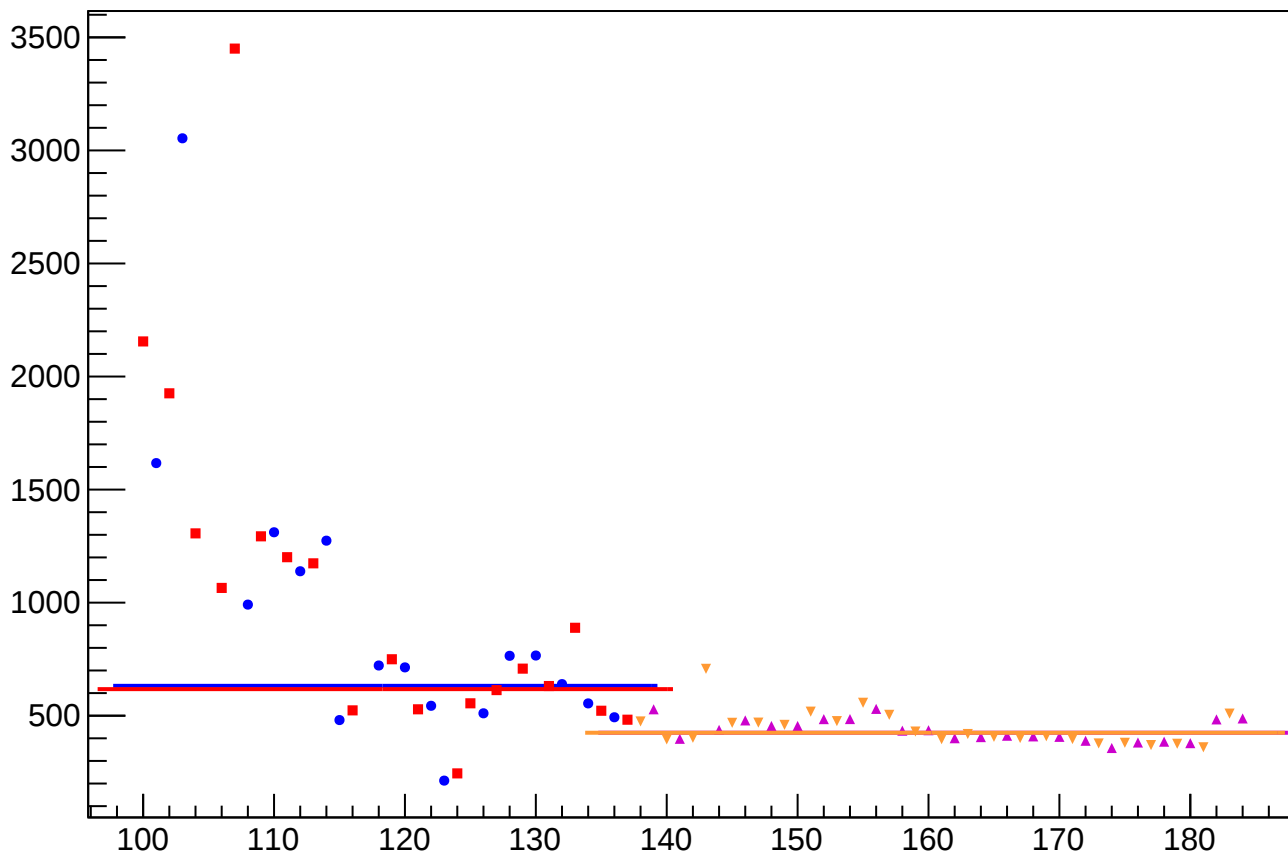
Right: 24.714 $\pm$ 190.131 χ^2 /NDF: 38.2/35

In: 77.989 $\pm$ 95.789 χ^2 /NDF:54.8/39

Out: 311.516 $\pm$ 94.536 χ^2 /NDF:82.5/42

All: 196.291 $\pm$ 67.286 χ^2 /NDF: 140.3/82

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 632.093 $\pm$ 0.192 χ^2 /NDF: 2258413.9/16

Left Out: 424.670 $\pm$ 0.071 χ^2 /NDF: 691559.7/23

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: 424.654 $\pm$ 0.051 χ^2 /NDF: 1083170.9/46

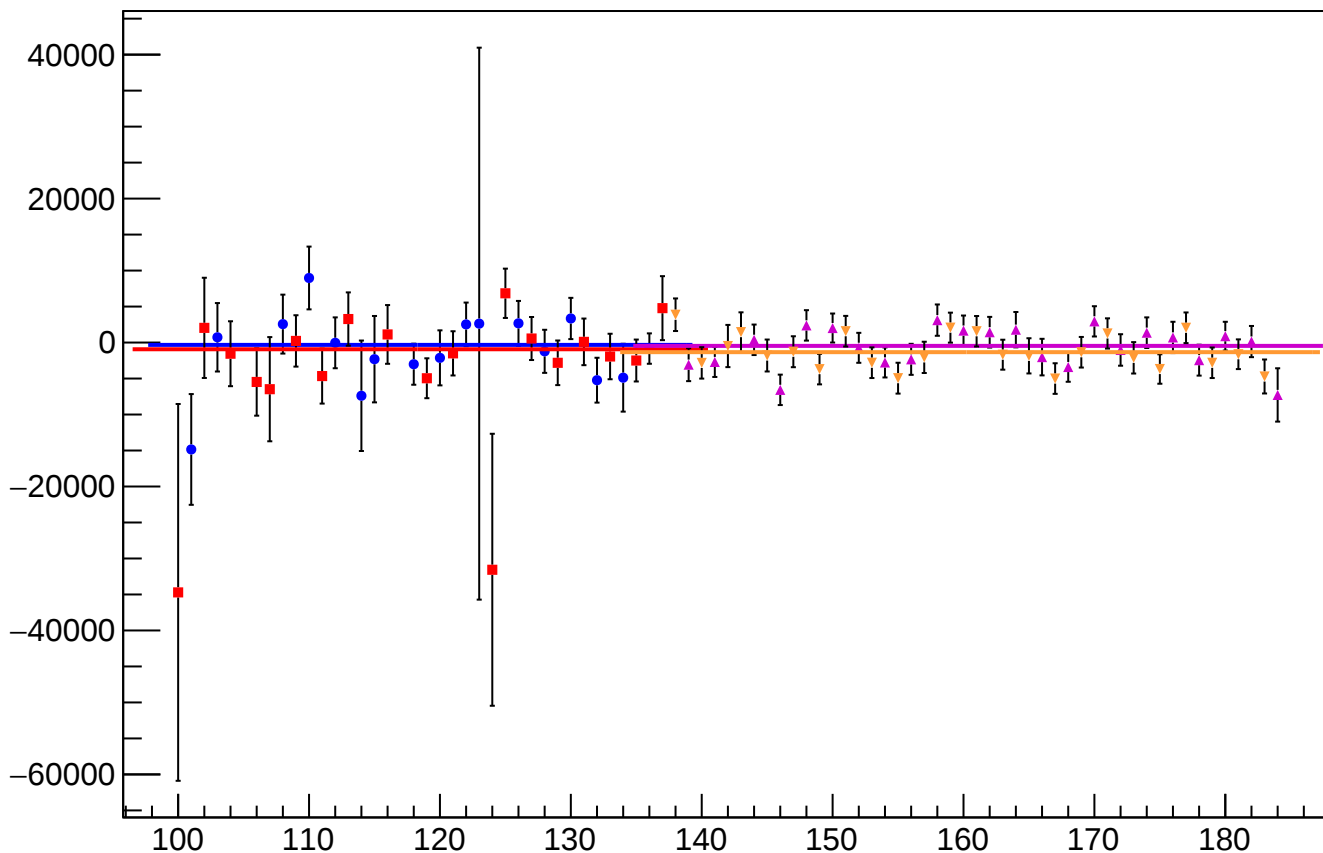
Right: 624.697 $\pm$ 0.134 χ^2 /NDF: 5063749.2/35

In: 450.572 $\pm$ 0.068 χ^2 /NDF: 3676105.1/39

Out: 448.865 $\pm$ 0.067 χ^2 /NDF: 4407179.3/42

All: 449.707 $\pm$ 0.048 χ^2 /NDF: 8083605.9/82

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -324.791+/-874.352 χ^2/NDF : 17.7/16

Left Out: -1334.959+/-447.373 χ^2/NDF : 29.1/23

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: -905.141+/-318.639 χ^2/NDF : 63.5/46

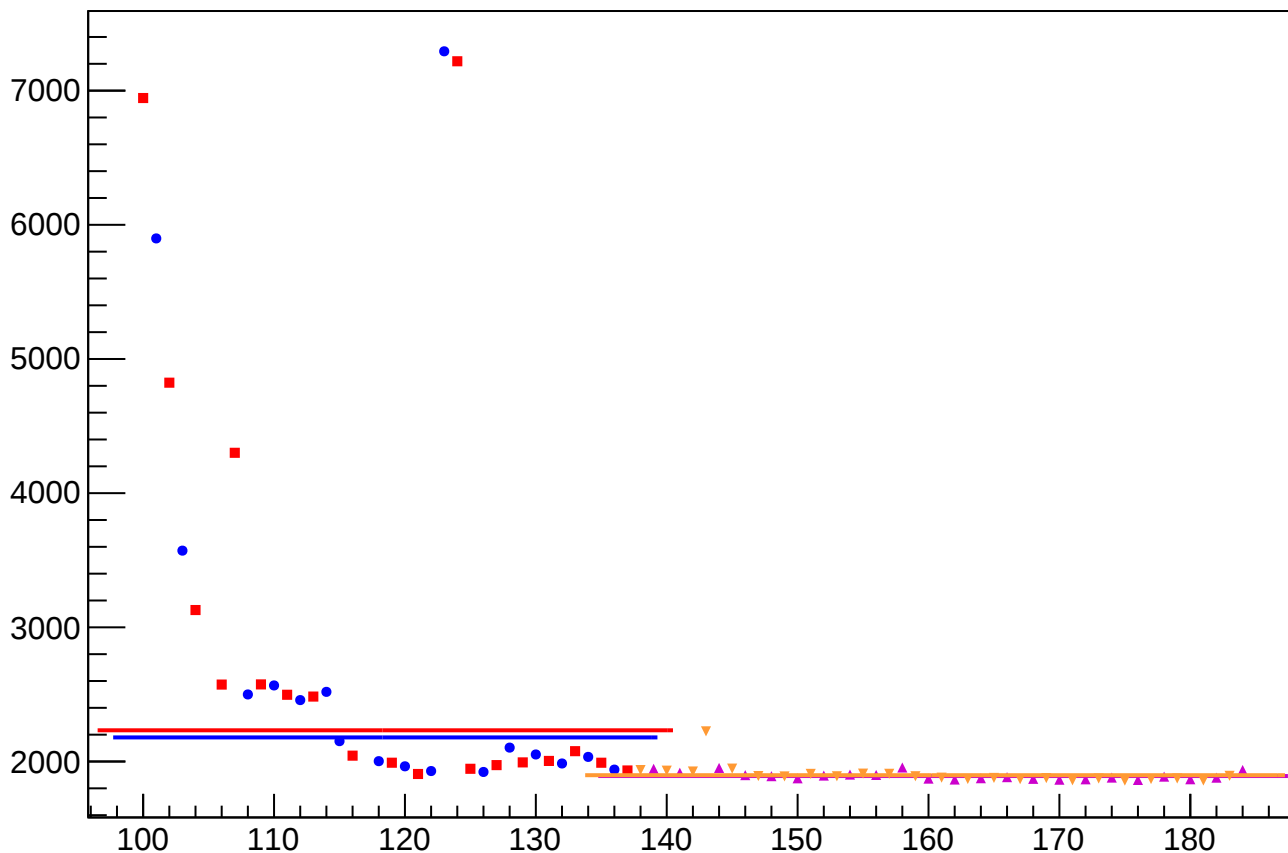
Right: -629.915+/-616.812 χ^2/NDF : 36.7/35

In: -433.340+/-402.884 χ^2/NDF : 50.3/39

Out: -1250.772+/-397.880 χ^2/NDF : 48.0/42

All: -847.164+/-283.096 χ^2/NDF : 100.4/82

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2179.524+/-0.618 χ^2/NDF : 800832.9/16

Left Out: 1897.932+/-0.316 χ^2/NDF : 35038.7/23

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: 1894.858+/-0.225 χ^2/NDF : 42651.1/46

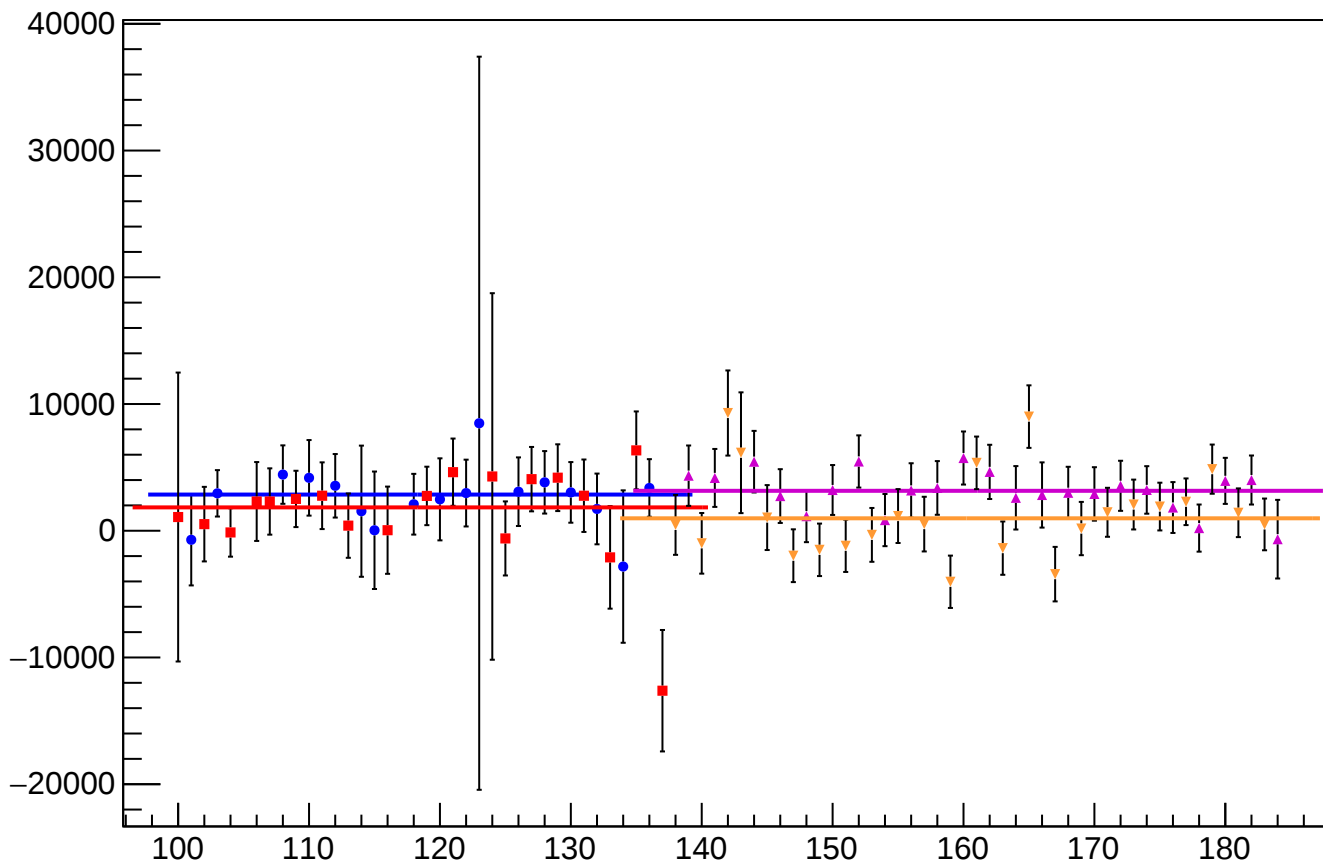
Right: 2206.178+/-0.436 χ^2/NDF : 1696548.5/35

In: 1952.805+/-0.285 χ^2/NDF : 978973.6/39

Out: 1967.883+/-0.281 χ^2/NDF : 1160977.7/42

All: 1960.438+/-0.200 χ^2/NDF : 2141369.5/82

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2855.433+/-680.542 χ^2/NDF : 3.6/16

Left Out: 981.133+/-439.621 χ^2/NDF : 44.7/23

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: 2062.030+/-311.396 χ^2/NDF : 68.7/46

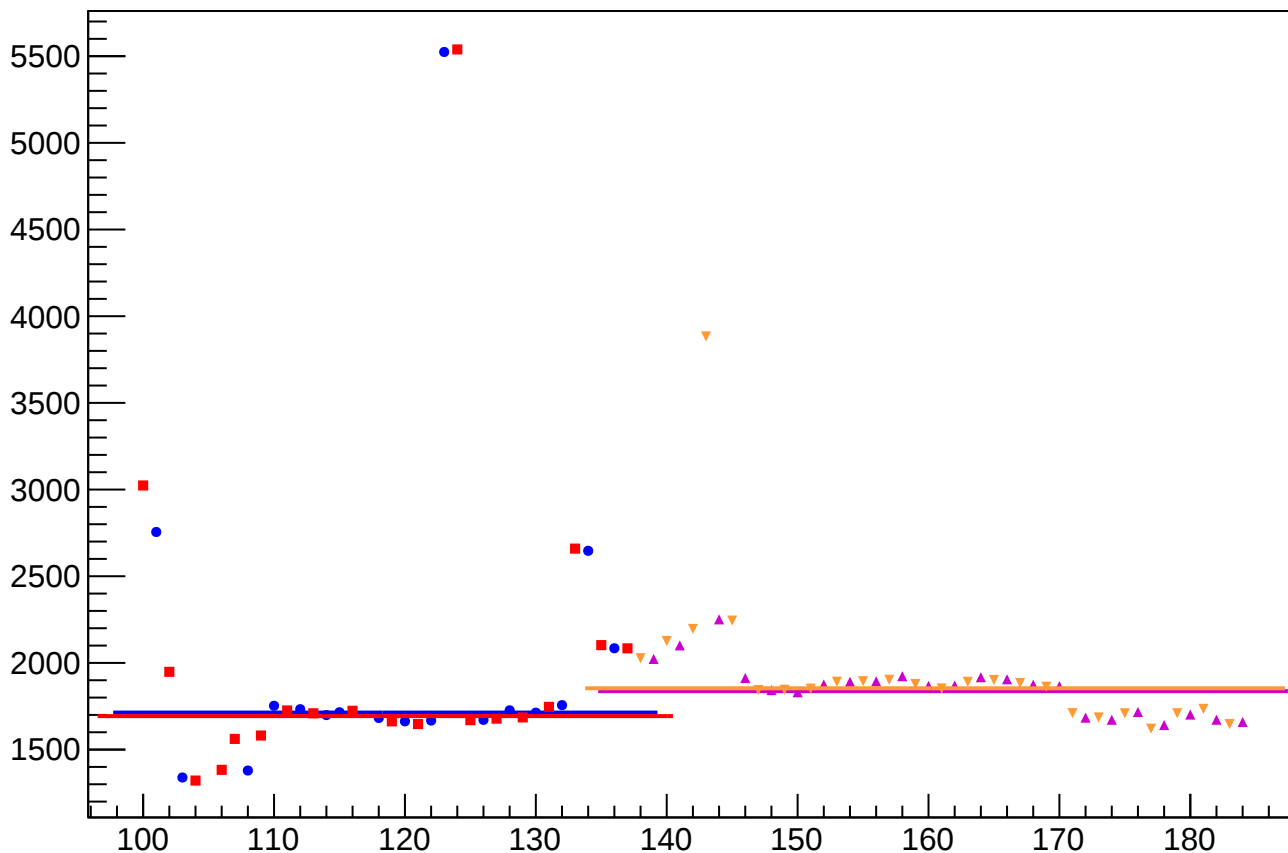
Right: 2331.330+/-472.669 χ^2/NDF : 22.7/35

In: 3063.153+/-370.175 χ^2/NDF : 15.6/39

Out: 1247.647+/-365.368 χ^2/NDF : 63.9/42

All: 2143.537+/-260.037 χ^2/NDF : 91.7/82

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1713.549+/-0.481 χ^2/NDF : 432300.3/16

Left Out: 1853.637+/-0.311 χ^2/NDF : 580043.0/23

Right Out: 1693.096+/-0.465 χ^2/NDF : 454659.7/18

Left In: 1837.151+/-0.312 χ^2/NDF : 200514.0/22

Left: 1845.422+/-0.220 χ^2/NDF : 781958.5/46

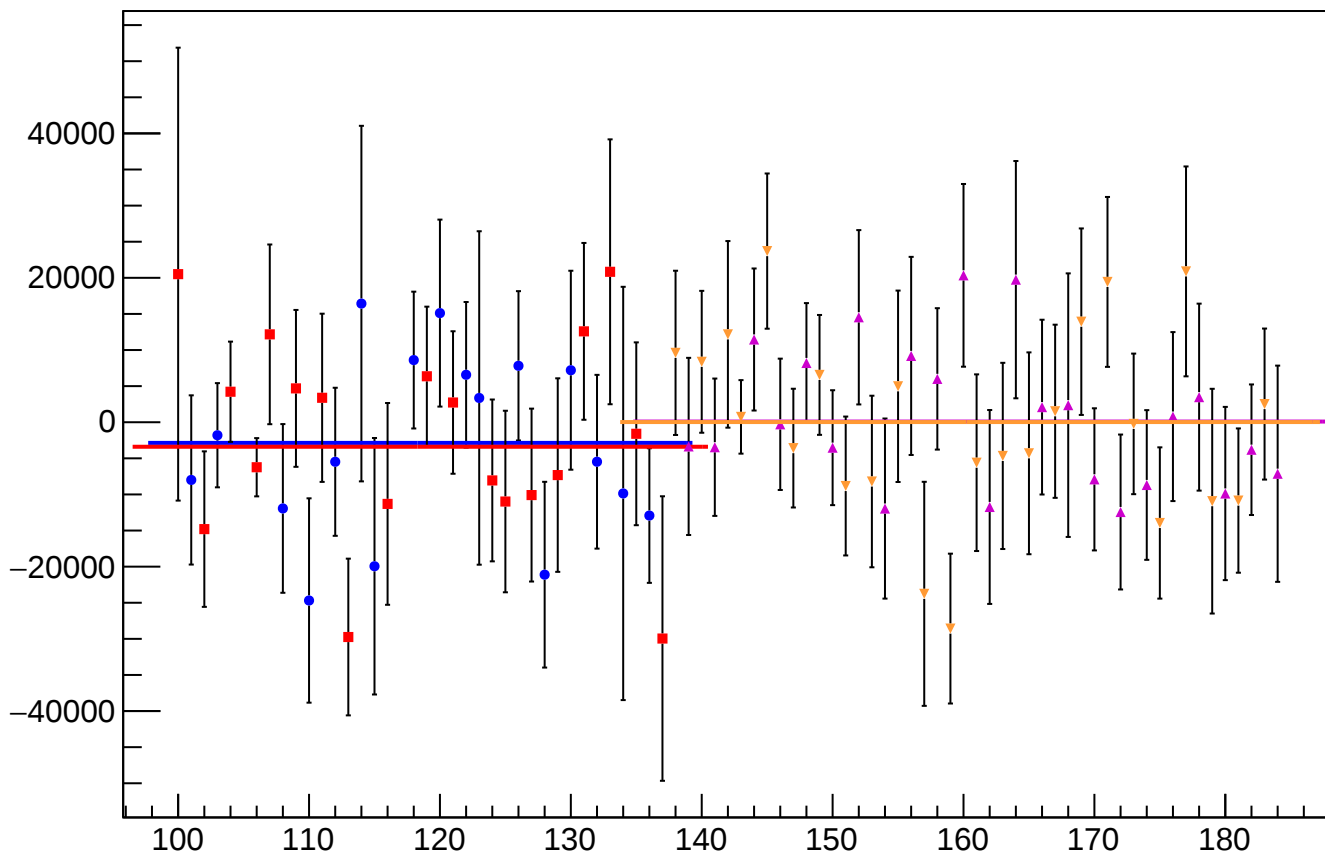
Right: 1702.962+/-0.334 χ^2/NDF : 887895.0/35

In: 1800.580+/-0.262 χ^2/NDF : 679268.1/39

Out: 1803.985+/-0.258 χ^2/NDF : 1117190.7/42

All: 1802.305+/-0.184 χ^2/NDF : 1796544.5/82

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -2861.382 $\pm$ 2859.849 χ^2 /NDF: 14.0/16

Left Out: 25.337 $\pm$ 2116.091 χ^2 /NDF:29.3/23

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: 56.599 $\pm$ 1555.346 χ^2 /NDF: 44.0/46

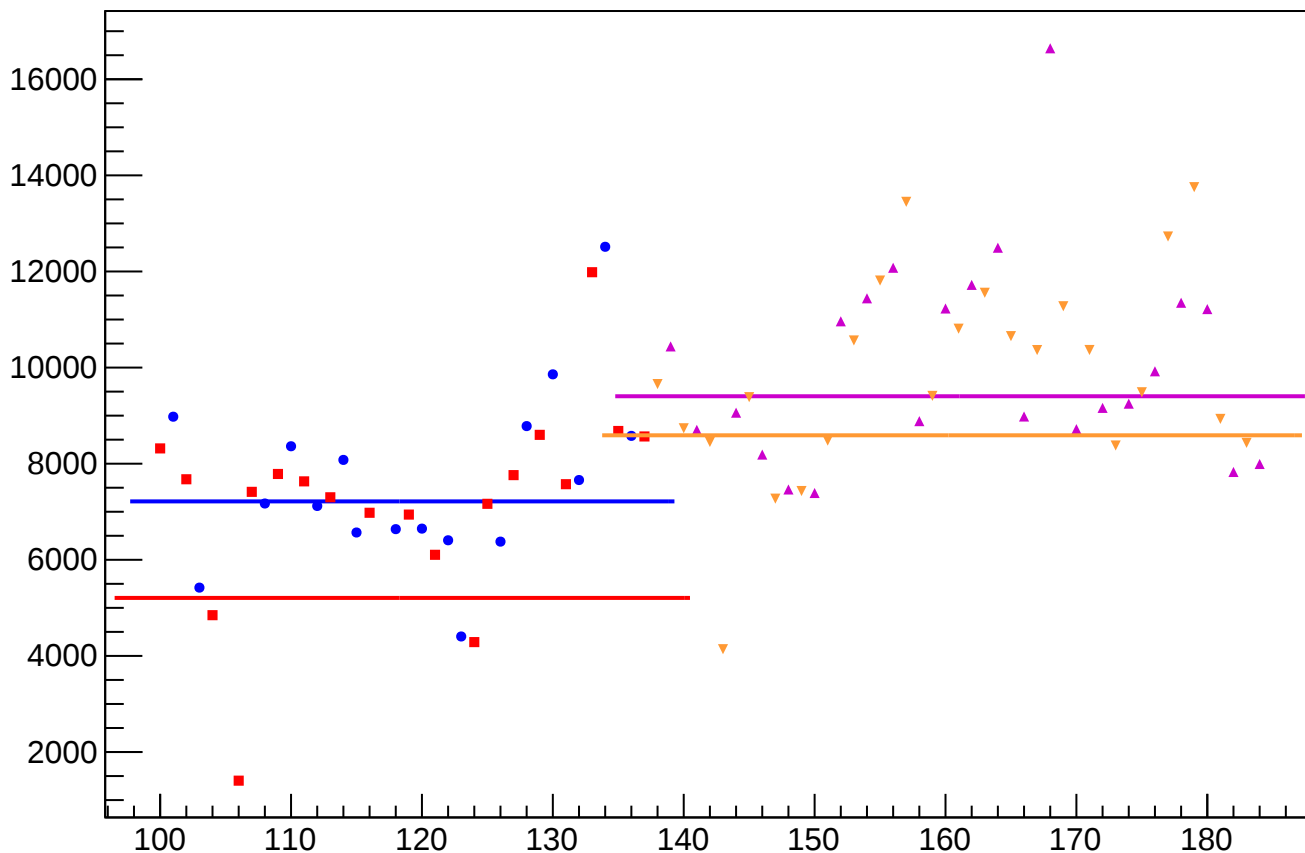
Right: -3188.793 $\pm$ 1777.877 χ^2 /NDF: 33.8/35

In: -1063.378 $\pm$ 1789.361 χ^2 /NDF:29.3/39

Out: -1565.138 $\pm$ 1547.786 χ^2 /NDF:50.3/42

All: -1350.391 $\pm$ 1170.614 χ^2 /NDF: 79.6/82

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7215.564+/-2.022 χ^2/NDF : 471682.0/16

Left Out: 8590.866+/-1.496 χ^2/NDF : 2821881.4/23

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: 8964.475+/-1.100 χ^2/NDF : 4100129.8/46

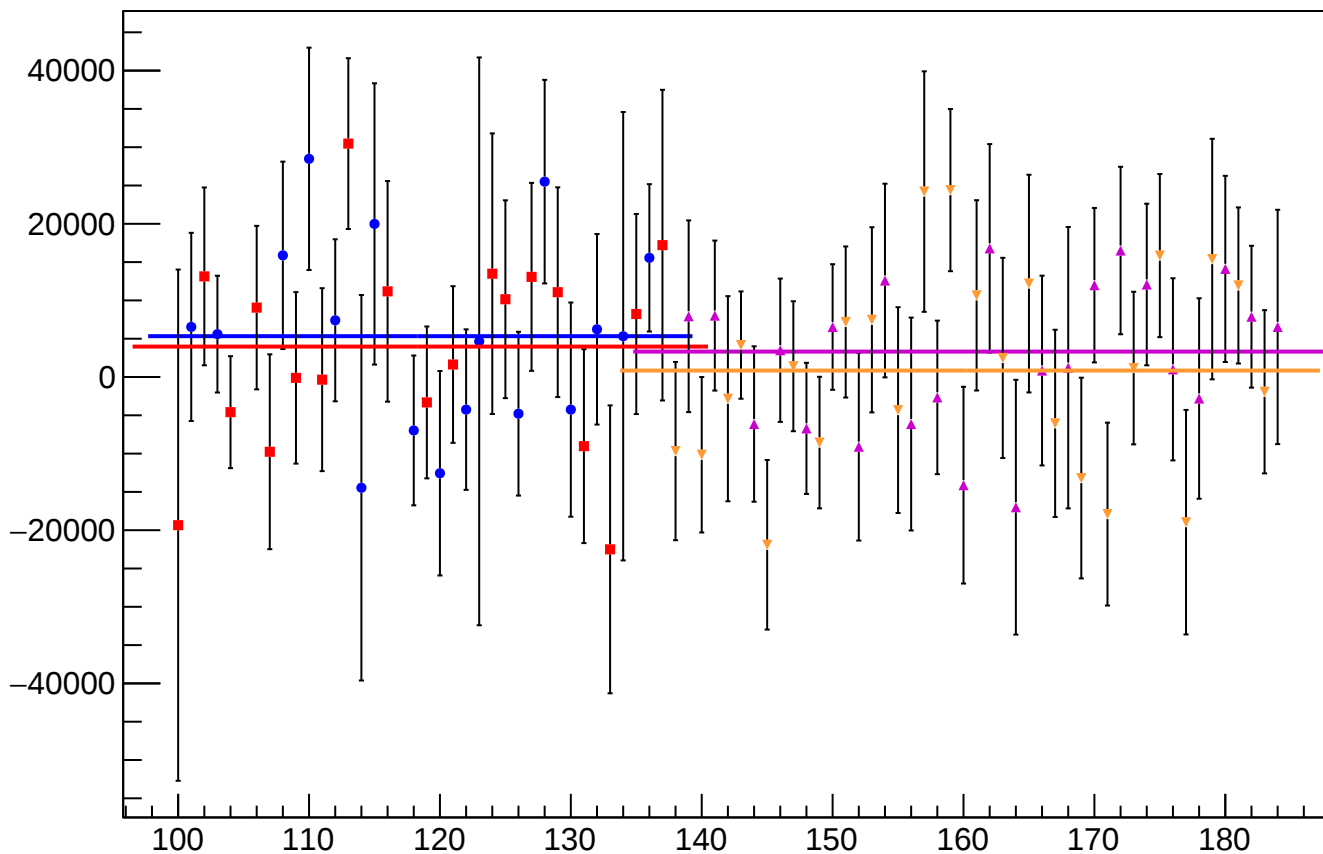
Right: 5983.241+/-1.257 χ^2/NDF : 4273131.1/35

In: 8546.955+/-1.265 χ^2/NDF : 2326657.7/39

Out: 7017.357+/-1.094 χ^2/NDF : 8396233.5/42

All: 7672.007+/-0.828 χ^2/NDF : 11558867.7/80

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5329.954+/-2979.601 χ^2/NDF : 13.6/16

Left Out: 840.983+/-2251.927 χ^2/NDF : 26.9/23

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: 2029.078+/-1624.108 χ^2/NDF : 41.2/46

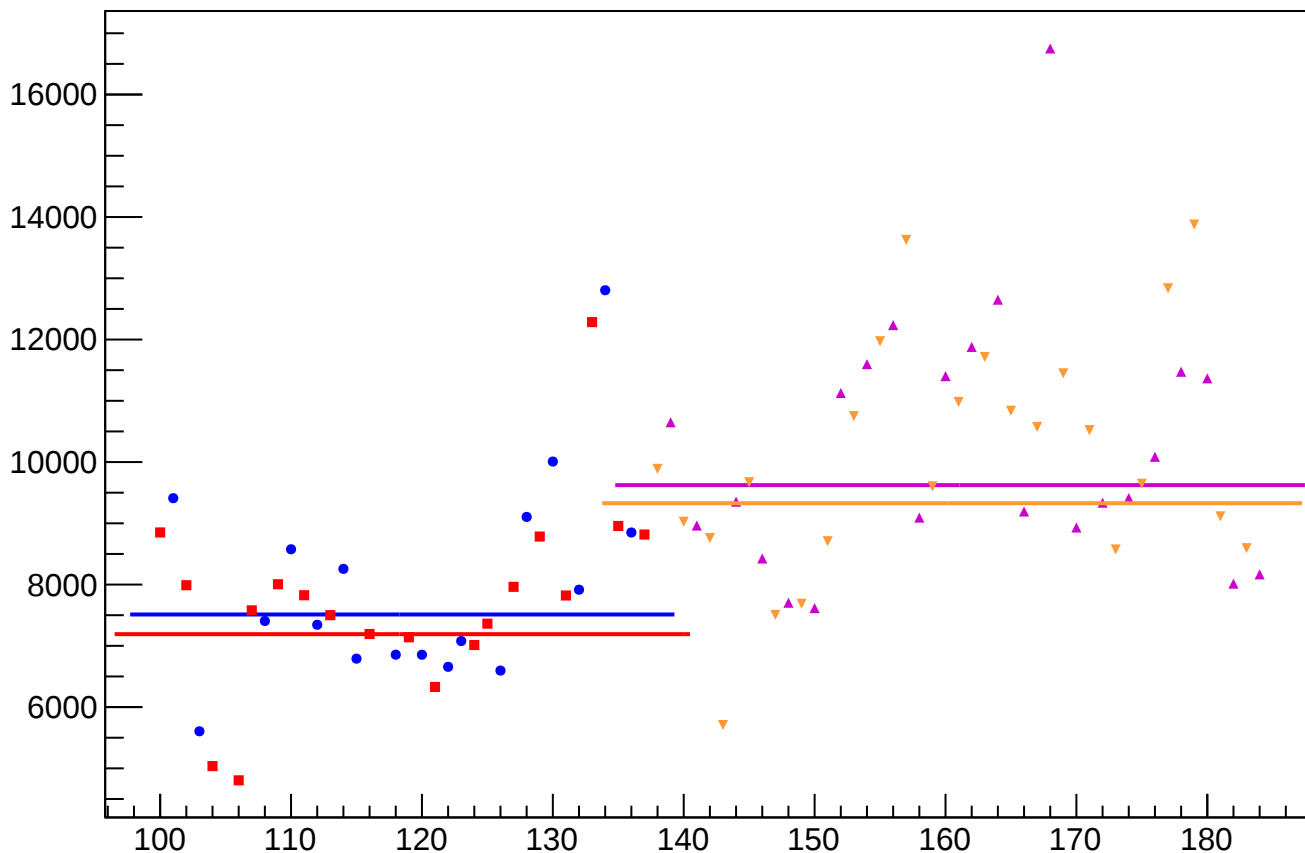
Right: 4607.488+/-2038.876 χ^2/NDF : 29.3/35

In: 4086.685+/-1842.527 χ^2/NDF : 27.6/39

Out: 2072.658+/-1753.812 χ^2/NDF : 43.2/42

All: 3030.020+/-1270.338 χ^2/NDF : 71.4/82

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7511.954+/-2.107 χ^2/NDF : 430092.6/16

Left Out: 9328.245+/-1.592 χ^2/NDF : 1500069.1/23

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: 9469.919+/-1.148 χ^2/NDF : 2586489.5/46

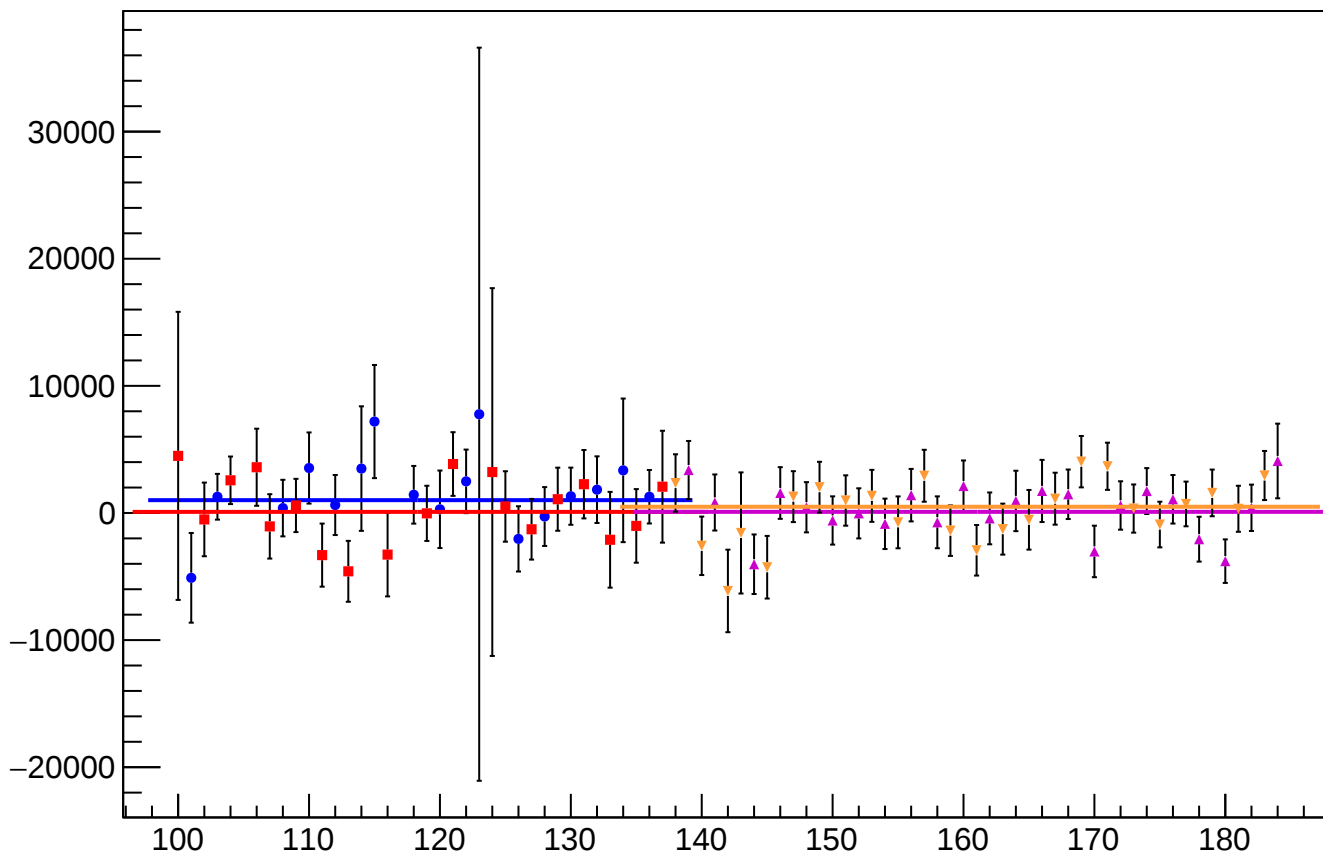
Right: 7341.057+/-1.442 χ^2/NDF : 1001642.3/35

In: 8816.022+/-1.303 χ^2/NDF : 2120362.6/39

Out: 8487.033+/-1.240 χ^2/NDF : 2768433.9/42

All: 8643.410+/-0.898 χ^2/NDF : 4922251.8/82

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 1007.483 $\pm$ 646.543 χ^2 /NDF: 8.6/16

Left Out: 488.790 $\pm$ 420.509 χ^2 /NDF: 26.9/23

Right Out: 85.858 $\pm$ 625.192 χ^2 /NDF: 14.5/18

Left In: 88.373 $\pm$ 421.957 χ^2 /NDF: 21.0/22

Left: 289.270 $\pm$ 297.855 χ^2 /NDF: 48.3/46

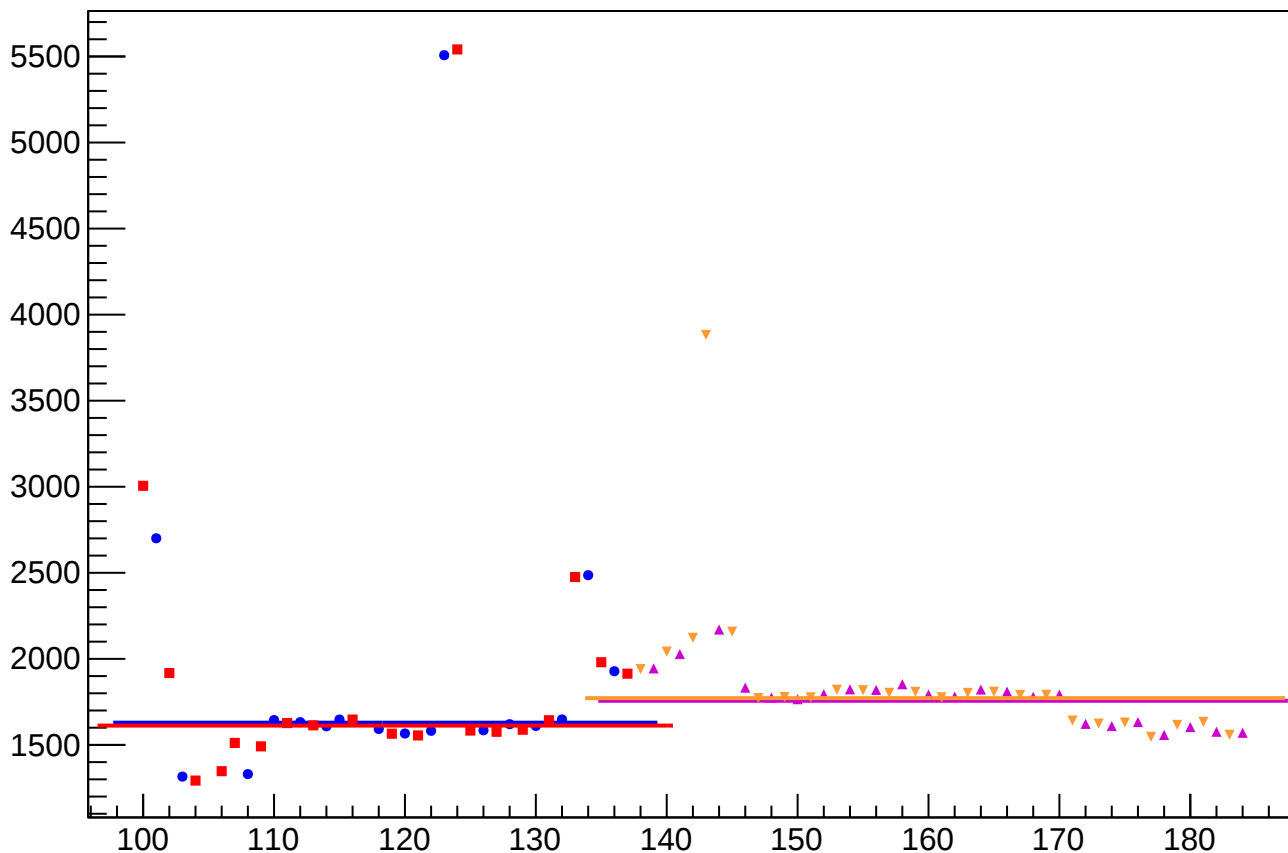
Right: 531.202 $\pm$ 449.436 χ^2 /NDF: 24.2/35

In: 362.916 $\pm$ 353.361 χ^2 /NDF: 31.0/39

Out: 363.283 $\pm$ 348.925 χ^2 /NDF: 41.6/42

All: 363.101 $\pm$ 248.281 χ^2 /NDF: 72.6/82

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1629.197 $\pm$ 0.457 χ^2 /NDF: 406744.5/16

Left Out: 1771.859 $\pm$ 0.297 χ^2 /NDF: 625818.9/23

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: 1764.267 $\pm$ 0.211 χ^2 /NDF: 850204.8/46

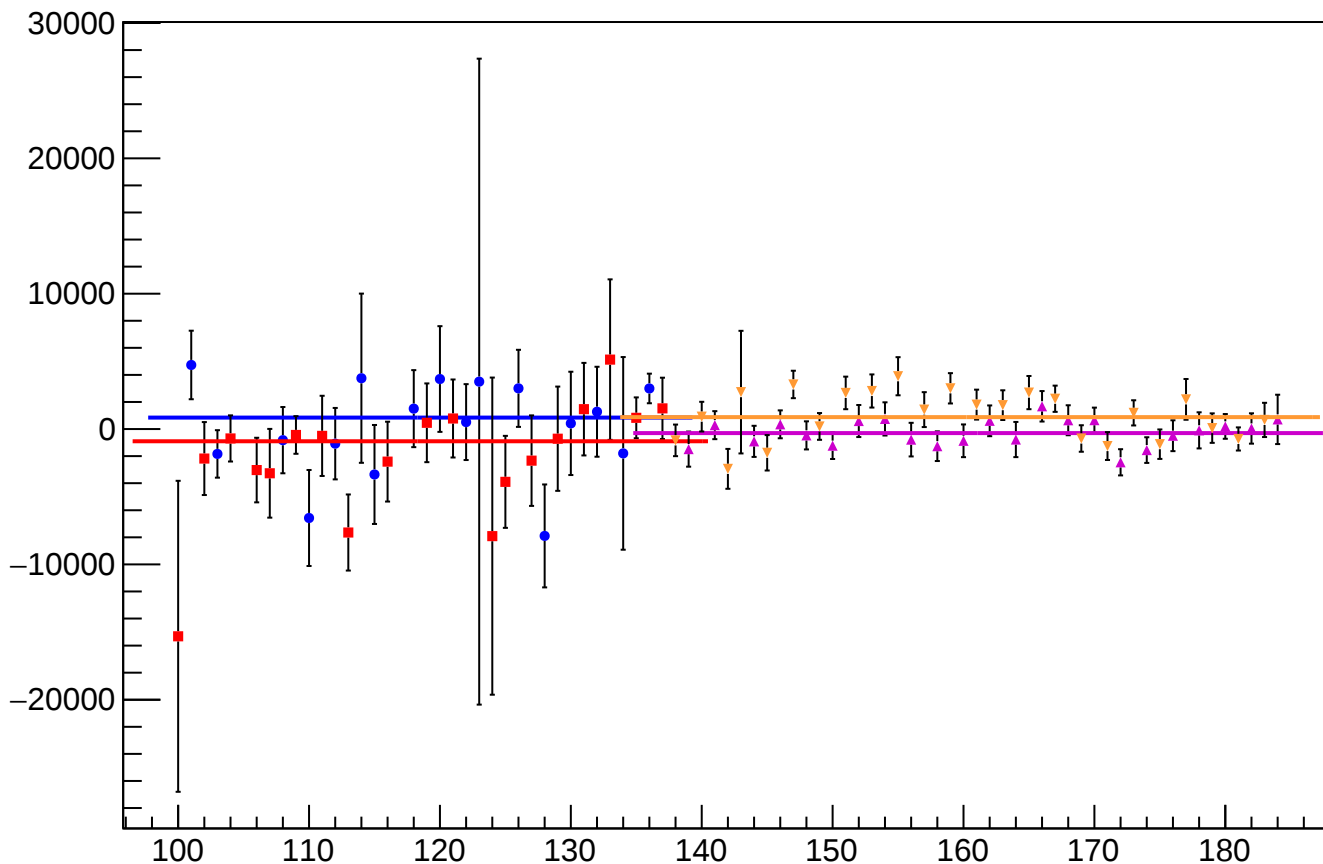
Right: 1620.489 $\pm$ 0.318 χ^2 /NDF: 840972.4/35

In: 1718.560 $\pm$ 0.250 χ^2 /NDF: 684303.7/39

Out: 1722.174 $\pm$ 0.247 χ^2 /NDF: 1148985.9/42

All: 1720.390 $\pm$ 0.176 χ^2 /NDF: 1833395.5/82

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 846.430+/-632.780 χ^2/NDF : 22.1/16

Left Out: 880.241+/-232.116 χ^2/NDF :53.2/23

Right Out: -903.032+/-590.474 χ^2/NDF : 15.1/18

Left In: -298.801+/-231.400 χ^2/NDF :18.3/22

Left: 288.897+/-163.877 χ^2/NDF : 84.4/46

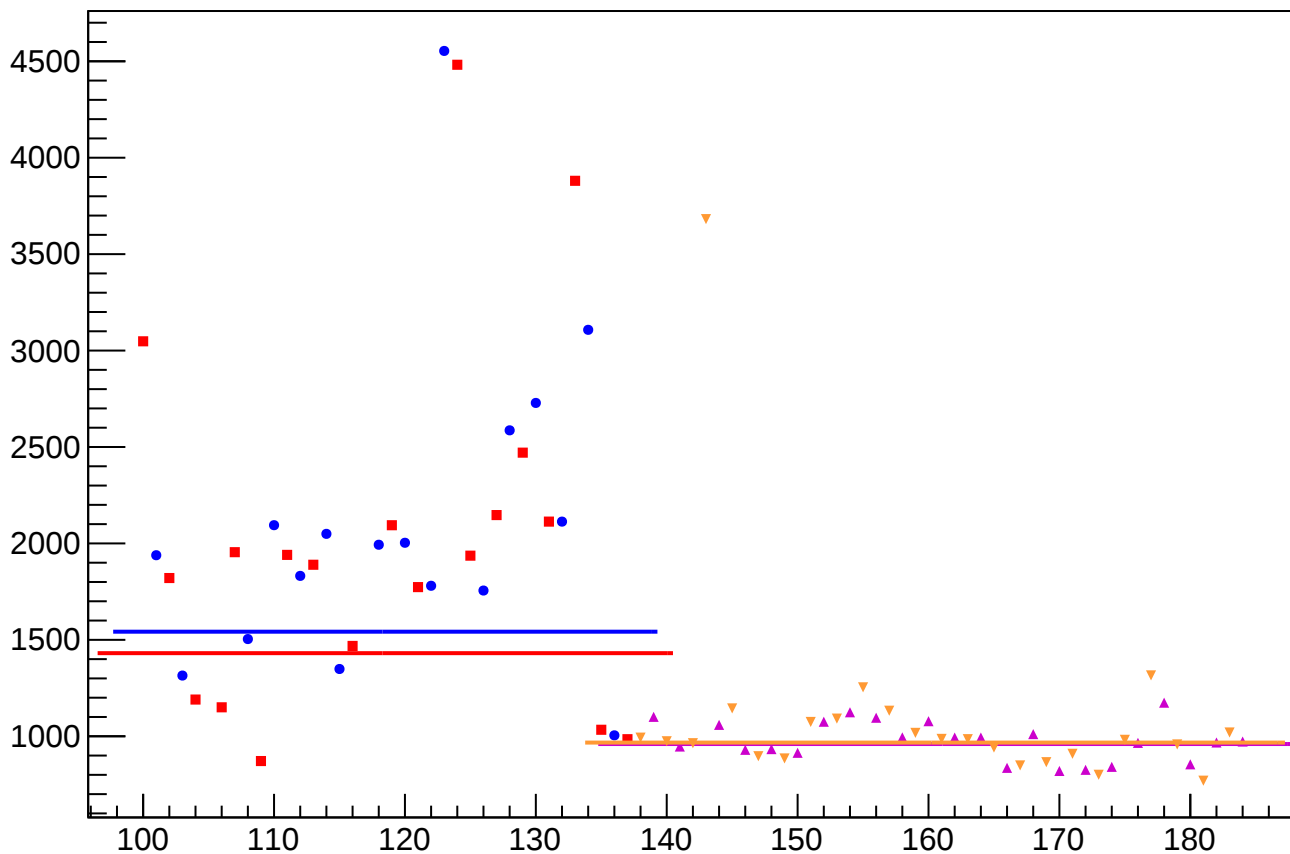
Right: -88.733+/-431.710 χ^2/NDF : 41.4/35

In: -163.717+/-217.324 χ^2/NDF :43.3/39

Out: 641.558+/-216.024 χ^2/NDF :76.2/42

All: 241.336+/-153.210 χ^2/NDF : 126.5/82

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.291+/-0.447 χ^2/NDF : 1293220.0/16

Left Out: 967.301+/-0.164 χ^2/NDF : 1277698.1/23

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: 963.541+/-0.116 χ^2/NDF : 1649954.9/46

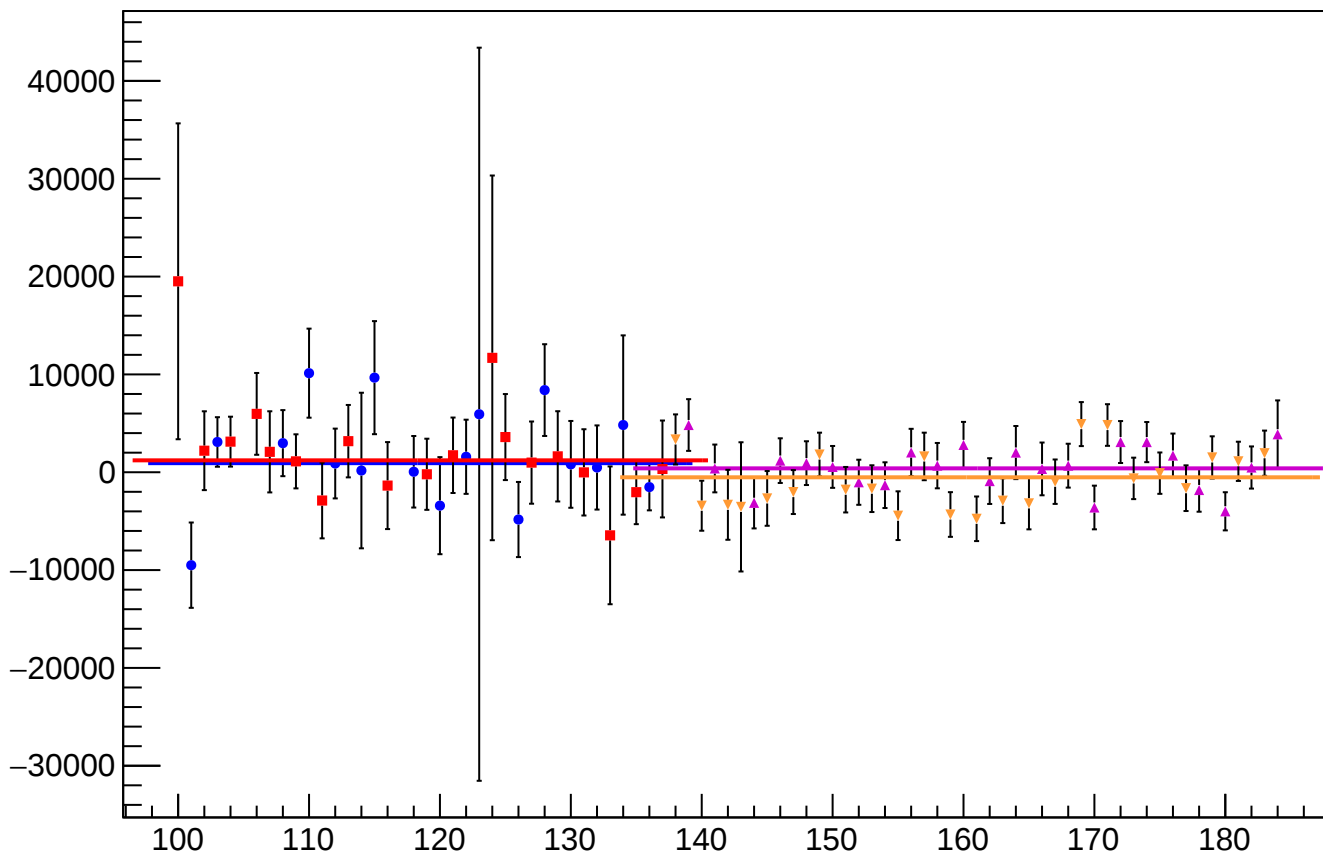
Right: 1482.783+/-0.305 χ^2/NDF : 3149335.4/35

In: 1028.511+/-0.154 χ^2/NDF : 3159246.6/39

Out: 1029.361+/-0.153 χ^2/NDF : 4168869.6/42

All: 1028.938+/-0.108 χ^2/NDF : 7328131.6/82

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 928.405 ± 970.555 χ^2/NDF : 20.1/16

Left Out: -517.260 ± 485.928 χ^2/NDF : 33.8/23

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: -59.101 ± 343.291 χ^2/NDF : 57.4/46

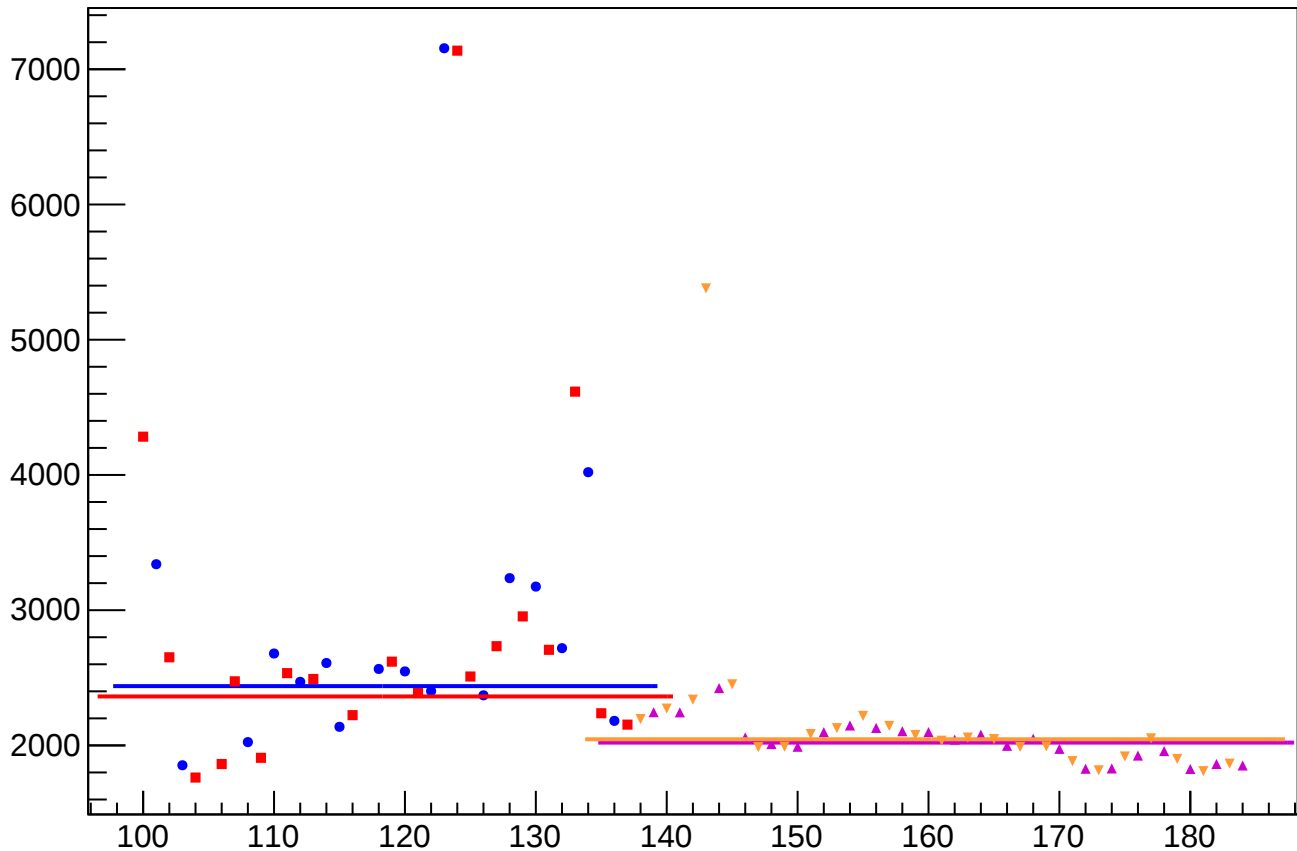
Right: 1078.961 ± 670.451 χ^2/NDF : 28.2/35

In: 503.519 ± 433.881 χ^2/NDF : 42.2/39

Out: -143.729 ± 430.407 χ^2/NDF : 44.6/42

All: 177.294 ± 305.565 χ^2/NDF : 87.9/82

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2438.478 $\pm$ 0.686 χ^2/NDF : 474942.5/16

Left Out: 2045.408 $\pm$ 0.344 χ^2/NDF : 700497.8/23

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: 2033.082 $\pm$ 0.243 χ^2/NDF : 876568.6/46

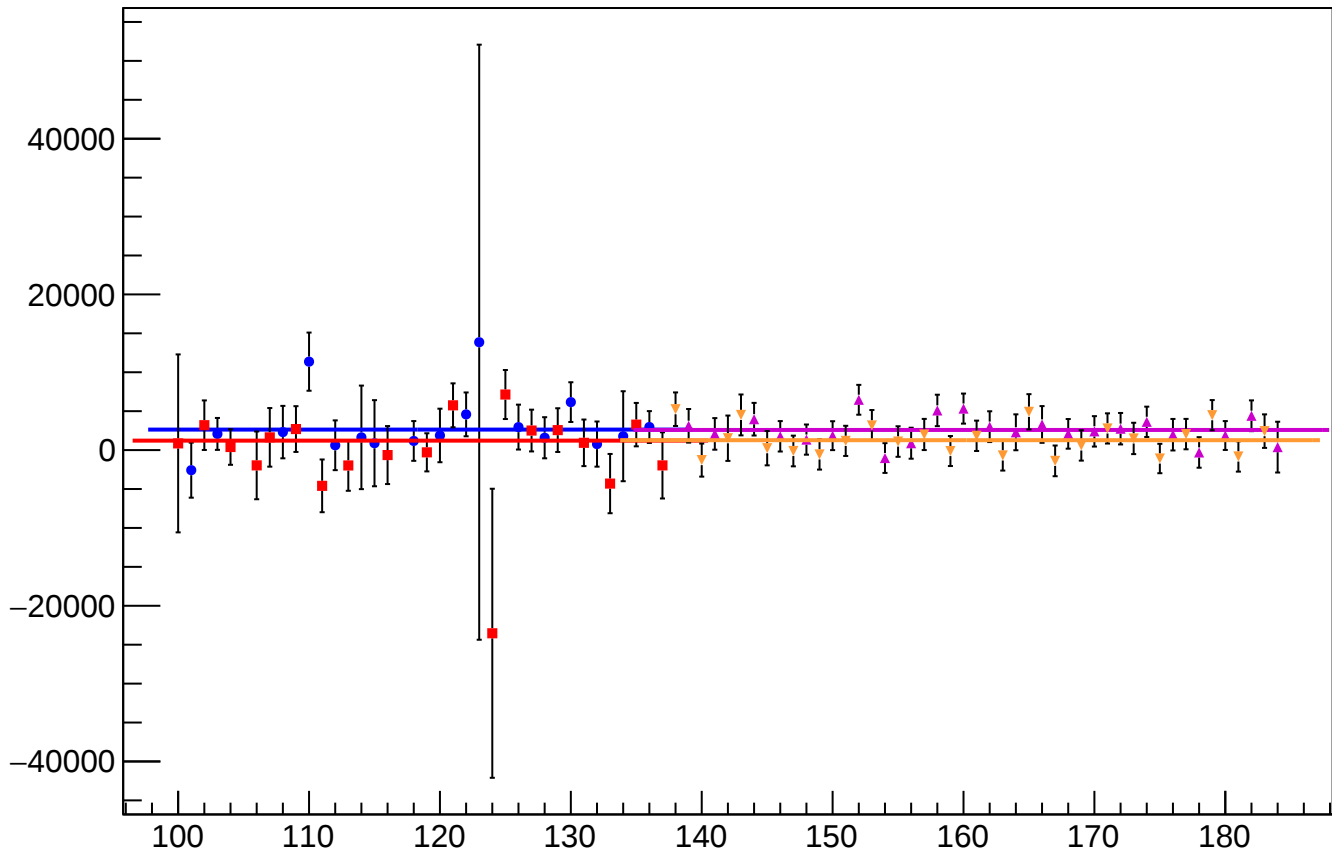
Right: 2398.537 $\pm$ 0.474 χ^2/NDF : 1138804.2/35

In: 2104.274 $\pm$ 0.307 χ^2/NDF : 944820.8/39

Out: 2113.639 $\pm$ 0.304 χ^2/NDF : 1540893.2/42

All: 2108.994 $\pm$ 0.216 χ^2/NDF : 2486183.7/82

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2633.941 $\pm$ 745.154 χ^2 /NDF: 11.7/16

Left Out: 1272.935 $\pm$ 416.468 χ^2 /NDF:21.7/23

Right Out: 1215.611 $\pm$ 741.742 χ^2 /NDF: 17.4/18

Left In: 2586.937 $\pm$ 421.510 χ^2 /NDF:17.5/22

Left: 1922.029 $\pm$ 296.254 χ^2 /NDF: 44.1/46

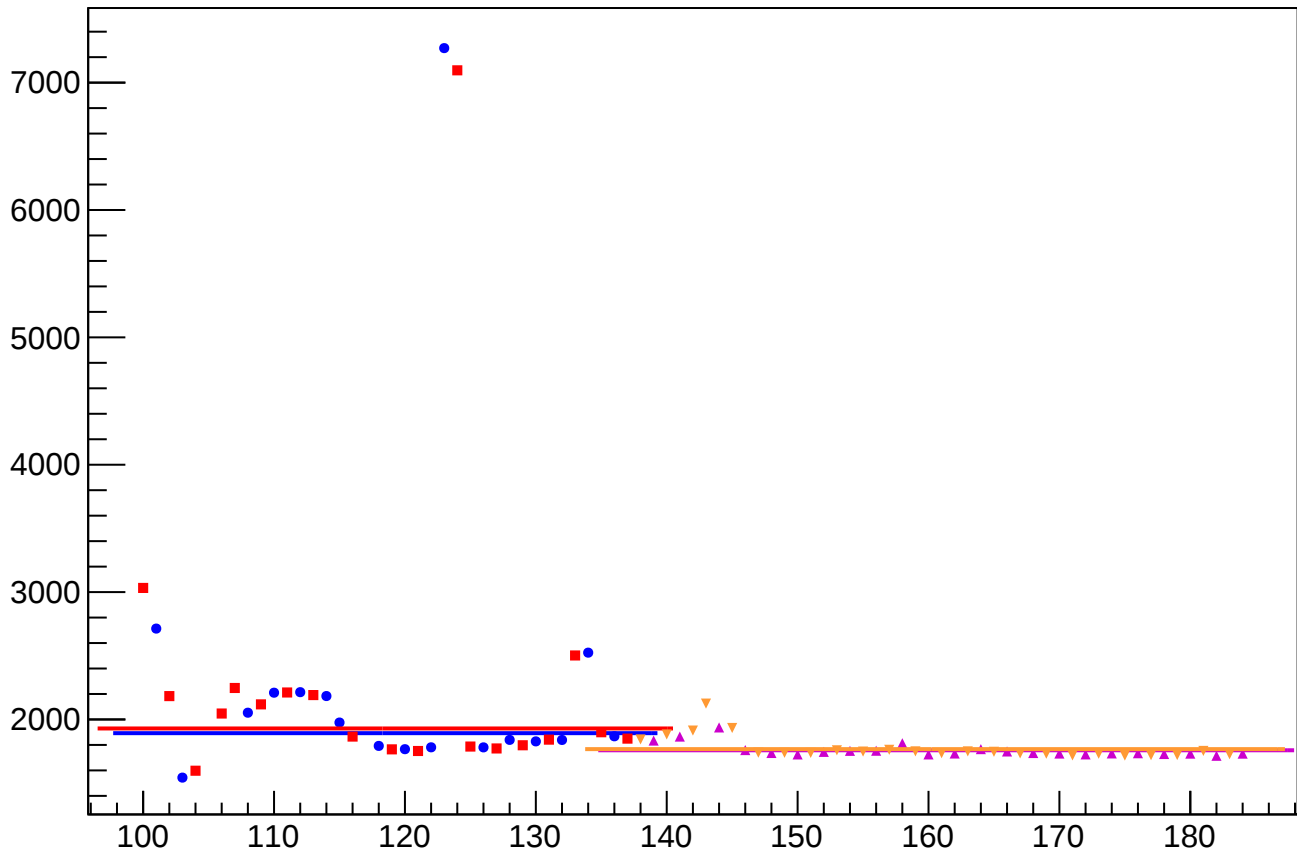
Right: 1921.521 $\pm$ 525.693 χ^2 /NDF: 31.0/35

In: 2598.332 $\pm$ 366.880 χ^2 /NDF:29.2/39

Out: 1259.195 $\pm$ 363.142 χ^2 /NDF:39.1/42

All: 1921.907 $\pm$ 258.092 χ^2 /NDF: 75.0/82

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1892.368+/-0.527 χ^2/NDF : 287730.3/16

Left Out: 1767.100+/-0.294 χ^2/NDF : 72149.4/23

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: 1762.642+/-0.209 χ^2/NDF : 102419.2/46

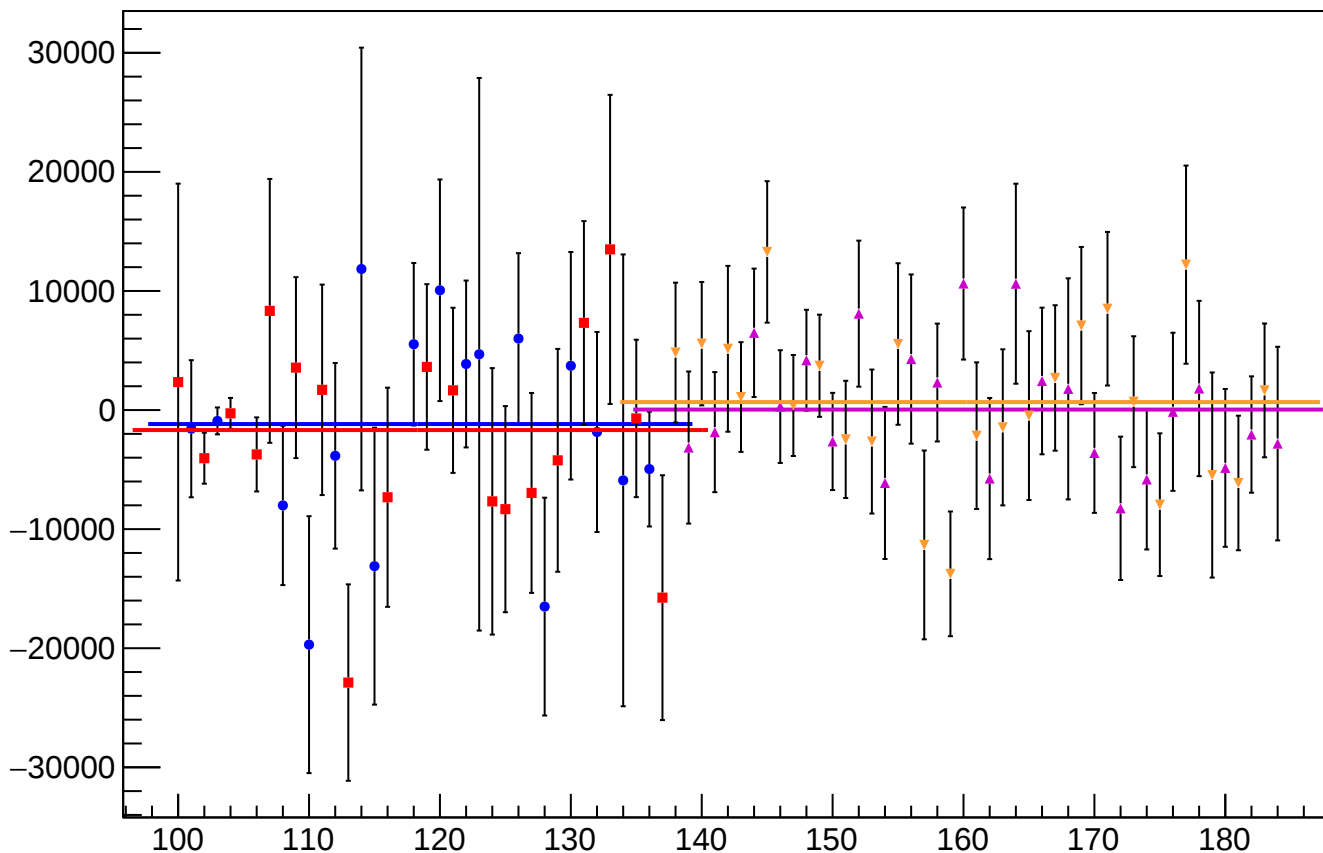
Right: 1910.923+/-0.371 χ^2/NDF : 650475.3/35

In: 1790.630+/-0.259 χ^2/NDF : 366748.4/39

Out: 1806.059+/-0.257 χ^2/NDF : 505274.0/42

All: 1798.426+/-0.182 χ^2/NDF : 873809.6/82

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1175.288 $\pm$ 985.256 χ^2 /NDF: 13.5/16

Left Out: 668.293 $\pm$ 1186.613 χ^2 /NDF:26.8/23

Right Out: -1679.065 $\pm$ 942.057 χ^2 /NDF: 17.8/18

Left In: 40.618 $\pm$ 1207.491 χ^2 /NDF:16.0/22

Left: 359.929 $\pm$ 846.347 χ^2 /NDF: 42.9/46

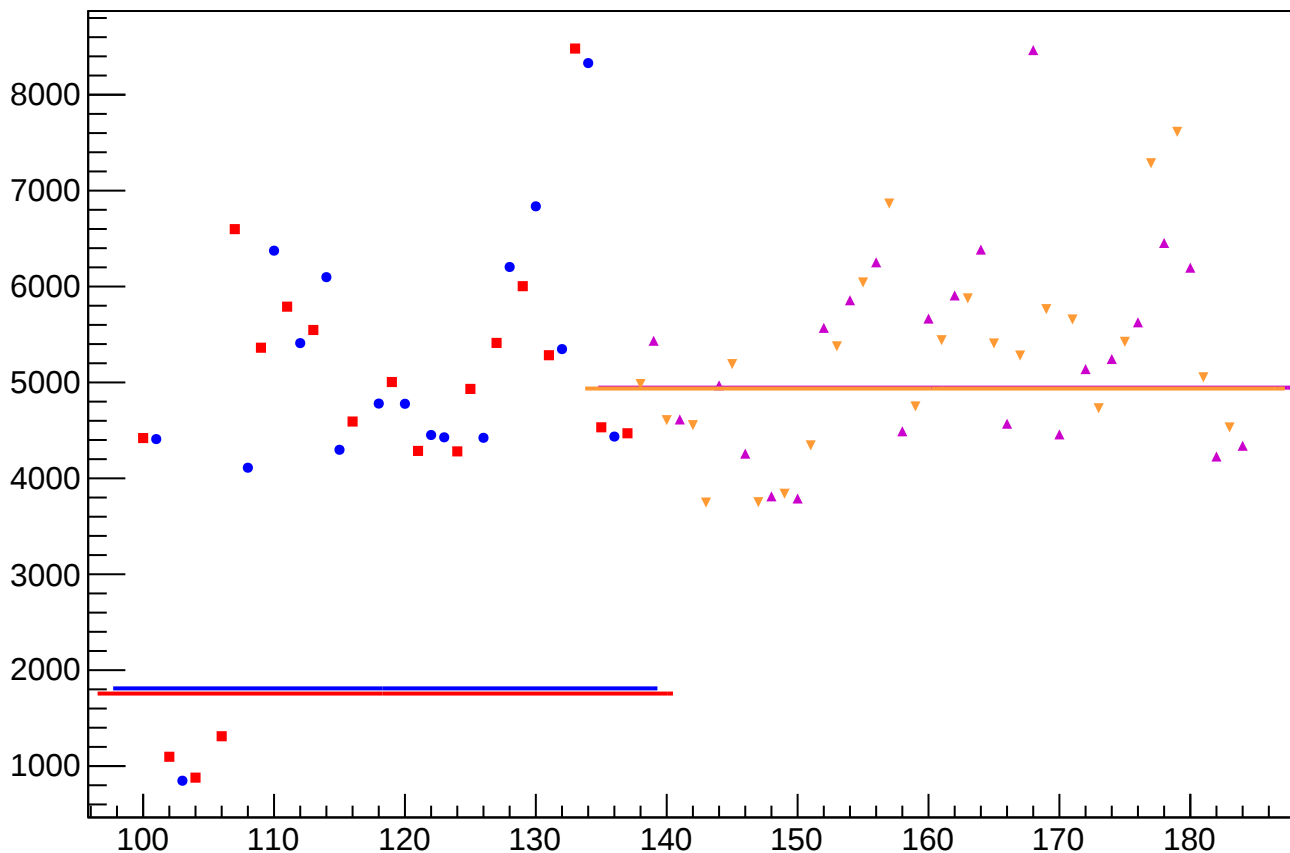
Right: -1438.462 $\pm$ 680.895 χ^2 /NDF: 31.5/35

In: -689.314 $\pm$ 763.379 χ^2 /NDF:30.1/39

Out: -771.552 $\pm$ 737.812 χ^2 /NDF:47.0/42

All: -731.833 $\pm$ 530.520 χ^2 /NDF: 77.1/82

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1810.087+/-0.697 χ^2/NDF : 6438570.3/16

Left Out: 4936.551+/-0.839 χ^2/NDF :1157477.3/23

Right Out: 1756.198+/-0.666 χ^2/NDF : 6295444.5/18

Left In: 4945.817+/-0.854 χ^2/NDF :1188288.6/22

Left: 4941.103+/-0.598 χ^2/NDF : 2345825.8/46

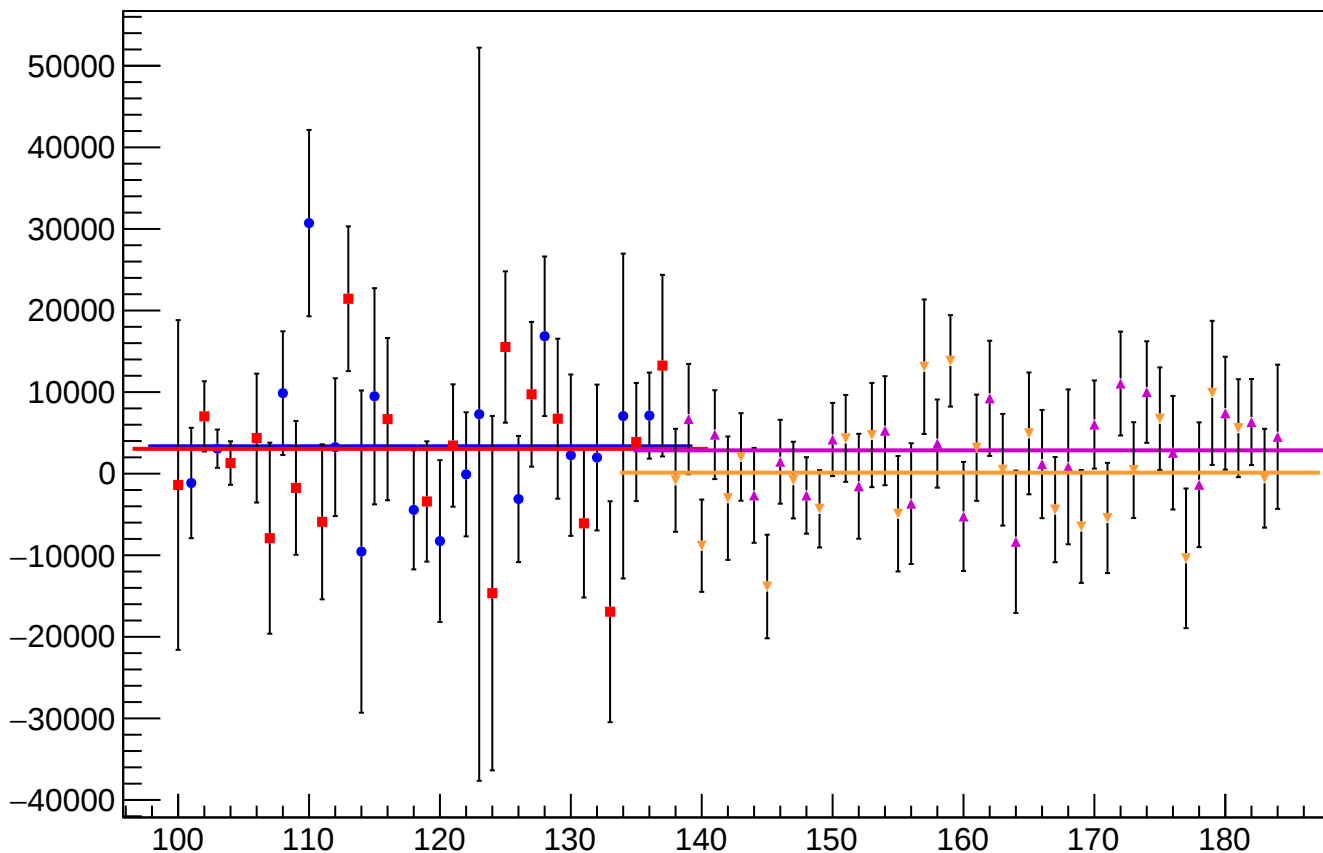
Right: 1781.935+/-0.481 χ^2/NDF : 12737140.4/35

In: 3063.376+/-0.540 χ^2/NDF :15723819.2/39

Out: 2985.755+/-0.522 χ^2/NDF :16265427.2/42

All: 3023.244+/-0.375 χ^2/NDF : 31999937.5/80

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3354.333+/-1609.286 χ^2/NDF : 13.5/16

Left Out: 124.103+/-1275.296 χ^2/NDF :26.1/23

Right Out: 3042.258+/-1608.040 χ^2/NDF : 15.9/18

Left In: 2860.252+/-1292.328 χ^2/NDF :12.9/22

Left: 1474.028+/-907.732 χ^2/NDF : 41.2/46

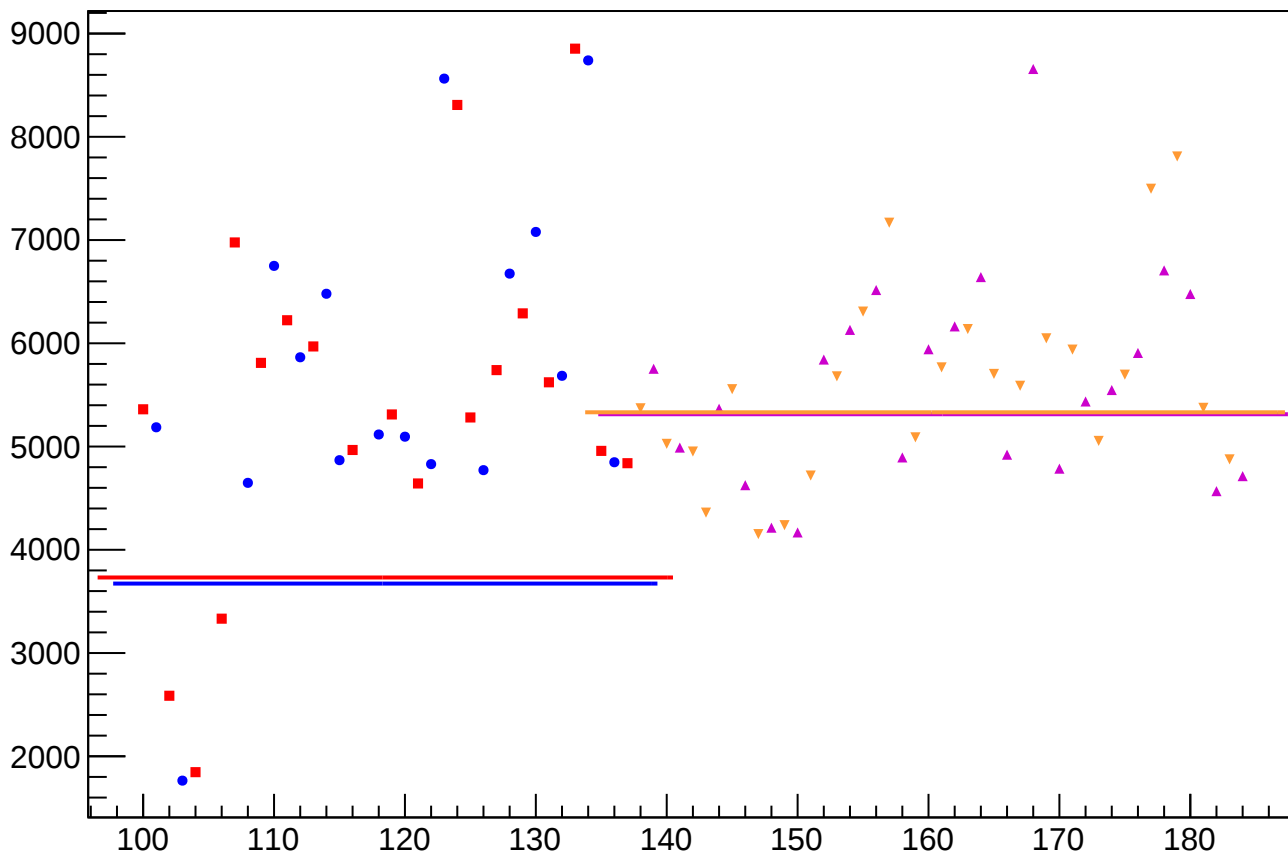
Right: 3198.175+/-1137.496 χ^2/NDF : 29.4/35

In: 3053.958+/-1007.641 χ^2/NDF :26.4/39

Out: 1250.845+/-999.206 χ^2/NDF :44.0/42

All: 2144.822+/-709.509 χ^2/NDF : 72.0/82

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3672.737 $\pm$ 1.138 χ^2 /NDF: 2780170.9/16

Left Out: 5331.775 $\pm$ 0.902 χ^2 /NDF: 875296.3/23

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: 5322.443 $\pm$ 0.642 χ^2 /NDF: 1832914.0/46

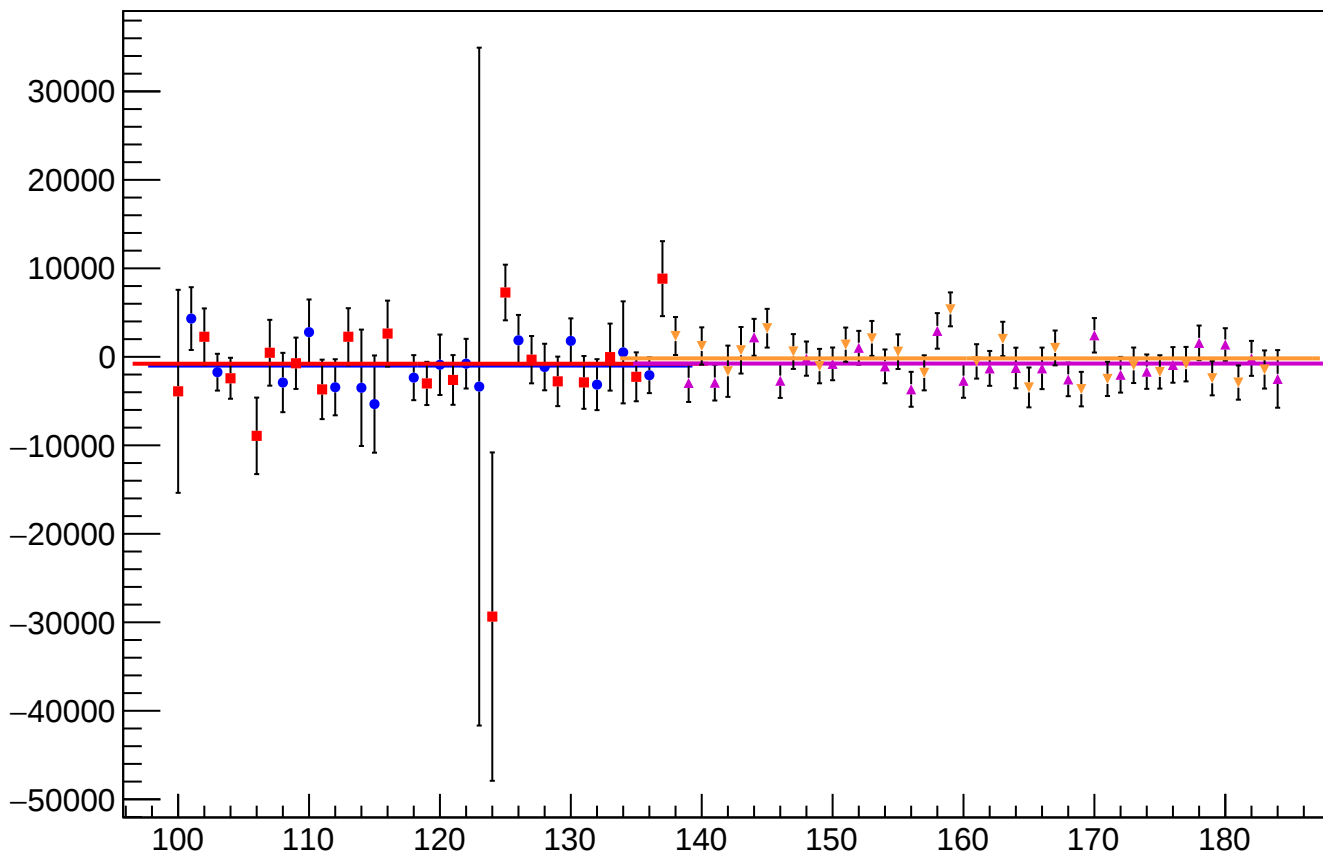
Right: 3702.434 $\pm$ 0.802 χ^2 /NDF: 5474001.3/35

In: 4669.845 $\pm$ 0.713 χ^2 /NDF: 5000511.6/39

Out: 4708.885 $\pm$ 0.705 χ^2 /NDF: 4793409.7/42

All: 4689.580 $\pm$ 0.501 χ^2 /NDF: 9795438.9/82

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -984.395+/-742.831 χ^2/NDF : 8.5/16

Left Out: -172.544+/-414.887 χ^2/NDF : 29.1/23

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: -462.619+/-295.127 χ^2/NDF : 50.4/46

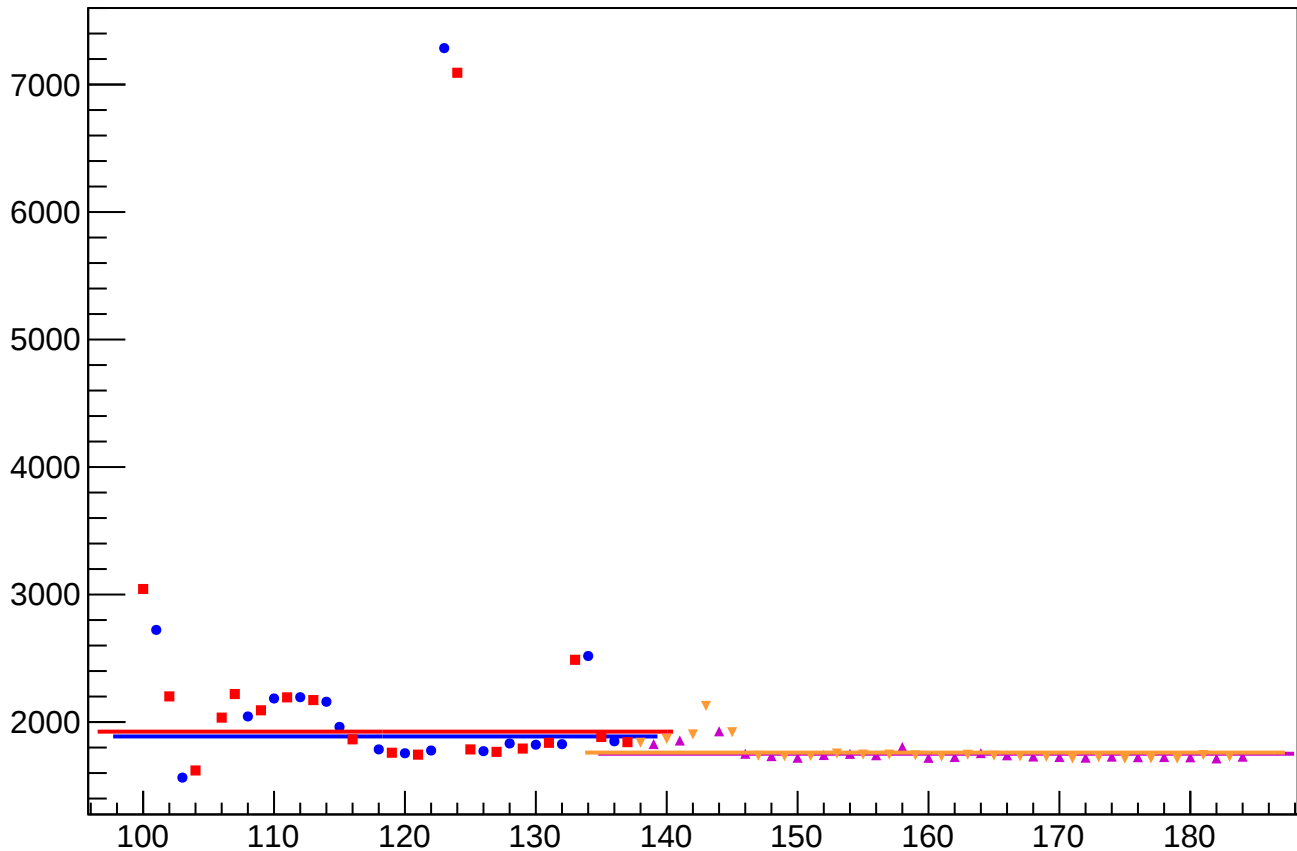
Right: -880.928+/-524.127 χ^2/NDF : 32.9/35

In: -814.152+/-365.544 χ^2/NDF : 28.9/39

Out: -317.537+/-361.847 χ^2/NDF : 54.0/42

All: -563.320+/-257.162 χ^2/NDF : 83.8/82

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1887.042 $\pm$ 0.525 χ^2 /NDF: 279163.5/16

Left Out: 1760.441 $\pm$ 0.293 χ^2 /NDF: 71638.1/23

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: 1755.984 $\pm$ 0.209 χ^2 /NDF: 100684.1/46

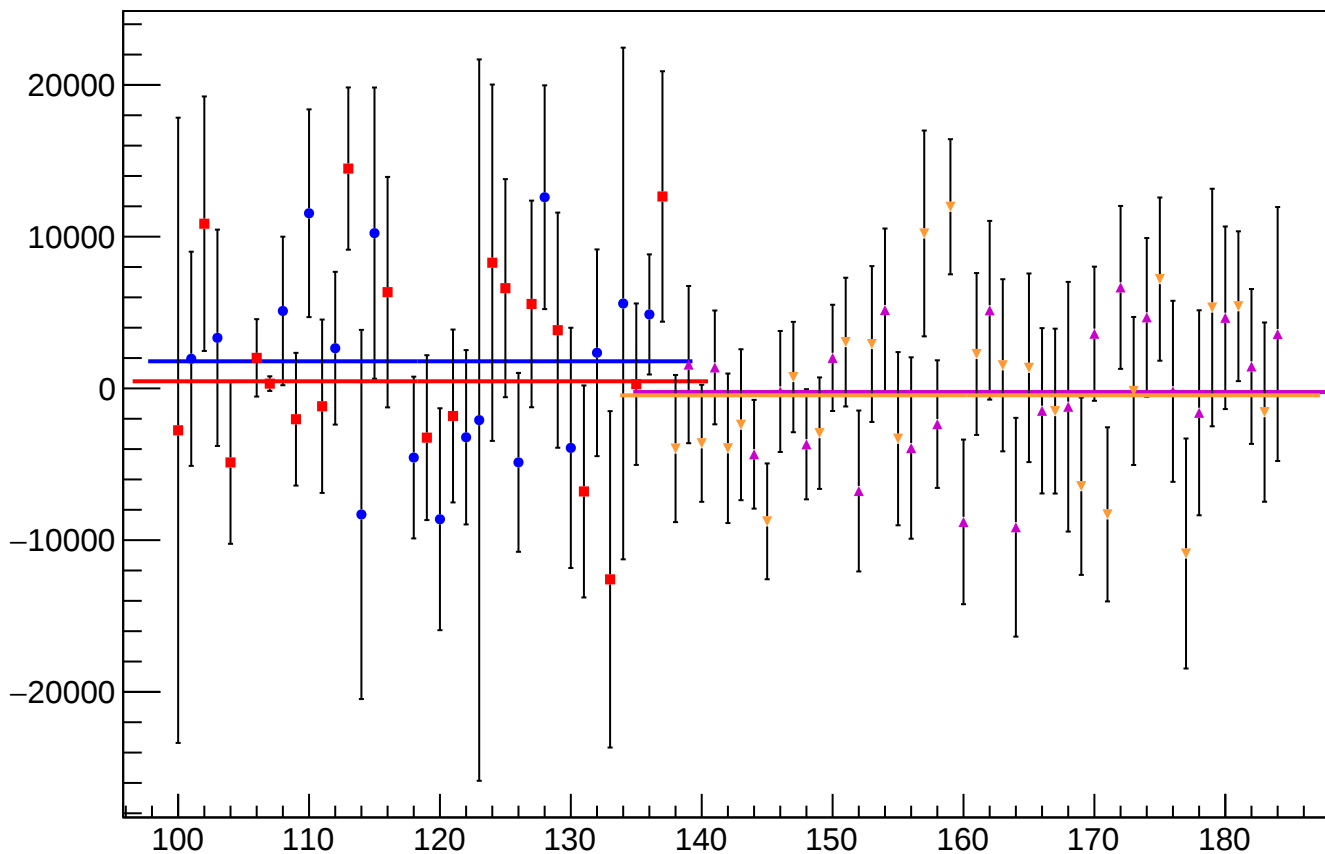
Right: 1906.038 $\pm$ 0.370 χ^2 /NDF: 631320.5/35

In: 1784.260 $\pm$ 0.258 χ^2 /NDF: 358266.7/39

Out: 1799.876 $\pm$ 0.256 χ^2 /NDF: 496508.7/42

All: 1792.150 $\pm$ 0.182 χ^2 /NDF: 856619.5/82

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1787.135+/-1585.326 χ^2/NDF : 12.9/16

Left Out: -455.005+/-1014.436 χ^2/NDF : 28.1/23

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: -348.640+/-722.368 χ^2/NDF : 43.5/46

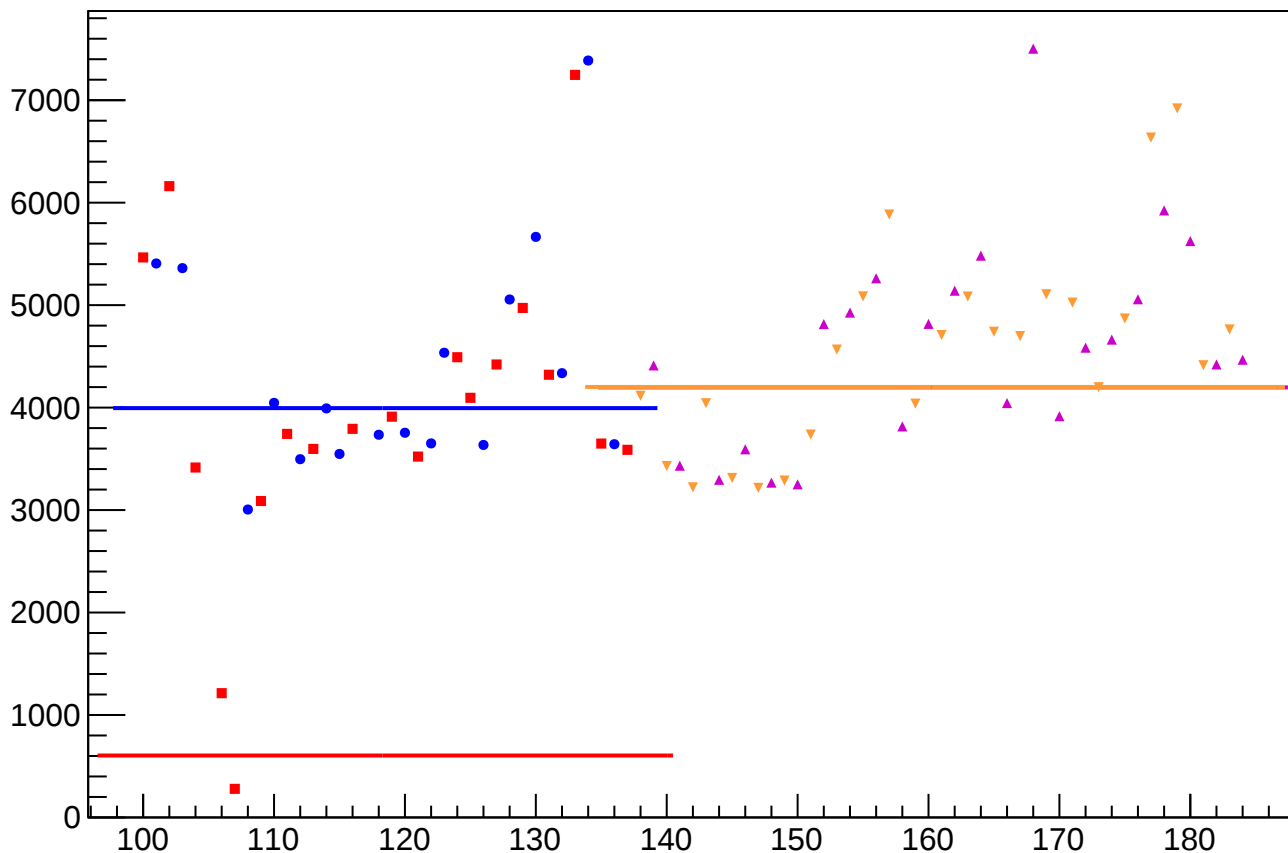
Right: 569.338+/-436.247 χ^2/NDF : 31.6/35

In: 361.333+/-863.053 χ^2/NDF : 29.3/39

Out: 315.419+/-414.214 χ^2/NDF : 46.9/42

All: 324.015+/-373.432 χ^2/NDF : 76.3/82

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3994.850+/-1.121 χ^2/NDF : 514121.6/16

Left Out: 4201.634+/-0.717 χ^2/NDF : 1435442.0/23

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: 4199.482+/-0.511 χ^2/NDF : 2906473.1/46

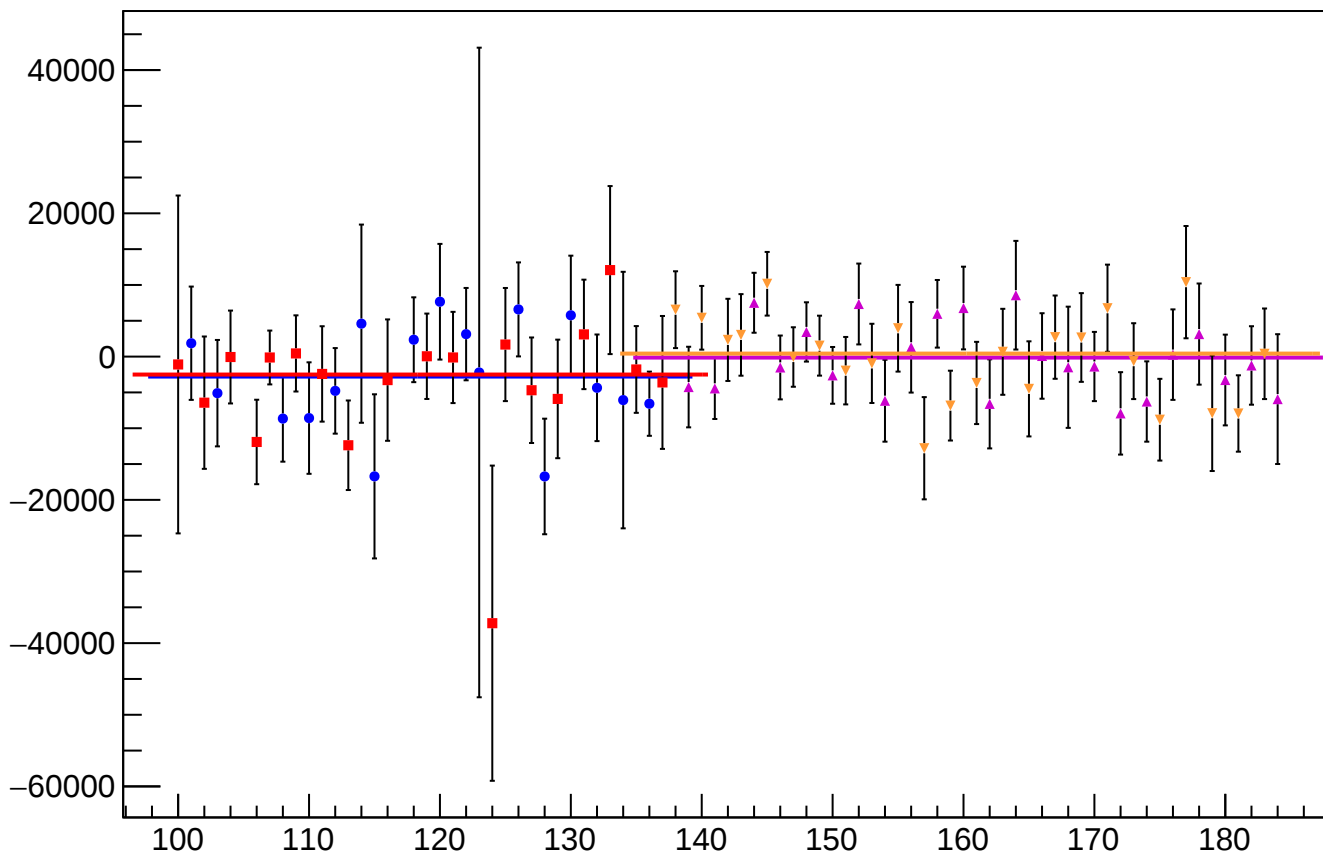
Right: 861.317+/-0.308 χ^2/NDF : 19181318.3/35

In: 4137.277+/-0.610 χ^2/NDF : 2008076.4/39

Out: 1204.314+/-0.293 χ^2/NDF : 32602314.4/42

All: 1753.419+/-0.264 χ^2/NDF : 53383742.9/8

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2785.964+/-1791.352 χ^2/NDF : 14.0/16

Left Out: 419.295+/-1117.337 χ^2/NDF : 24.3/23

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: 143.961+/-794.396 χ^2/NDF : 43.0/46

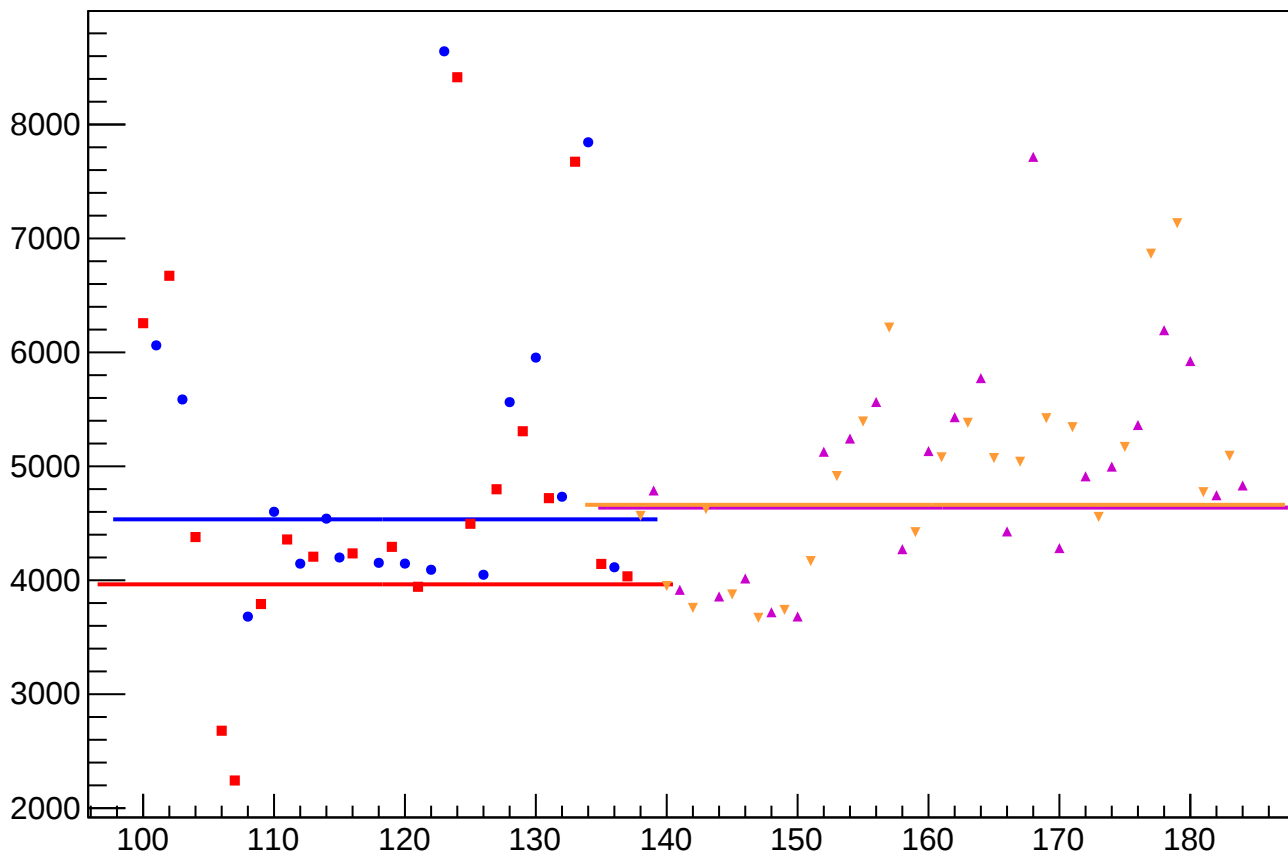
Right: -2628.213+/-1184.083 χ^2/NDF : 25.5/35

In: -891.043+/-955.527 χ^2/NDF : 34.1/39

Out: -557.542+/-911.880 χ^2/NDF : 38.2/42

All: -716.502+/-659.687 χ^2/NDF : 72.4/82

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4534.748 $\pm$ 1.267 χ^2 /NDF: 393206.7/16

Left Out: 4662.124 $\pm$ 0.790 χ^2 /NDF:1014387.2/23

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: 4650.084 $\pm$ 0.562 χ^2 /NDF: 2080074.0/46

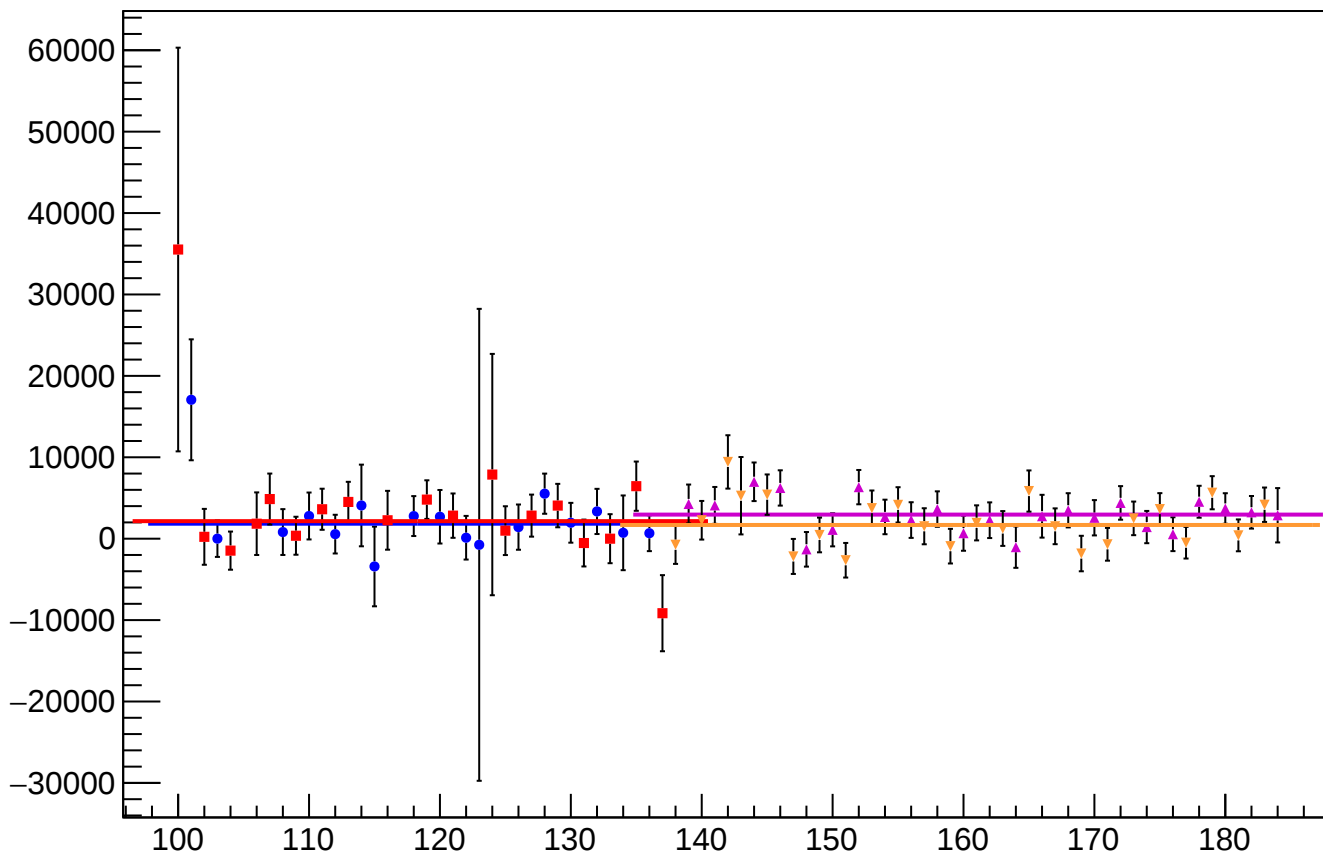
Right: 4211.715 $\pm$ 0.834 χ^2 /NDF: 1650099.0/35

In: 4608.463 $\pm$ 0.676 χ^2 /NDF:1463157.4/39

Out: 4427.072 $\pm$ 0.643 χ^2 /NDF:2419203.4/42

All: 4513.335 $\pm$ 0.466 χ^2 /NDF: 3920158.6/82

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1842.914 $\pm$ 713.221 χ^2 /NDF: 10.3/16

Left Out: 1685.196 $\pm$ 451.396 χ^2 /NDF:35.7/23

Right Out: 2154.577 $\pm$ 686.055 χ^2 /NDF: 18.6/18

Left In: 2958.620 $\pm$ 453.688 χ^2 /NDF:20.4/22

Left: 2318.683 $\pm$ 319.992 χ^2 /NDF: 60.1/46

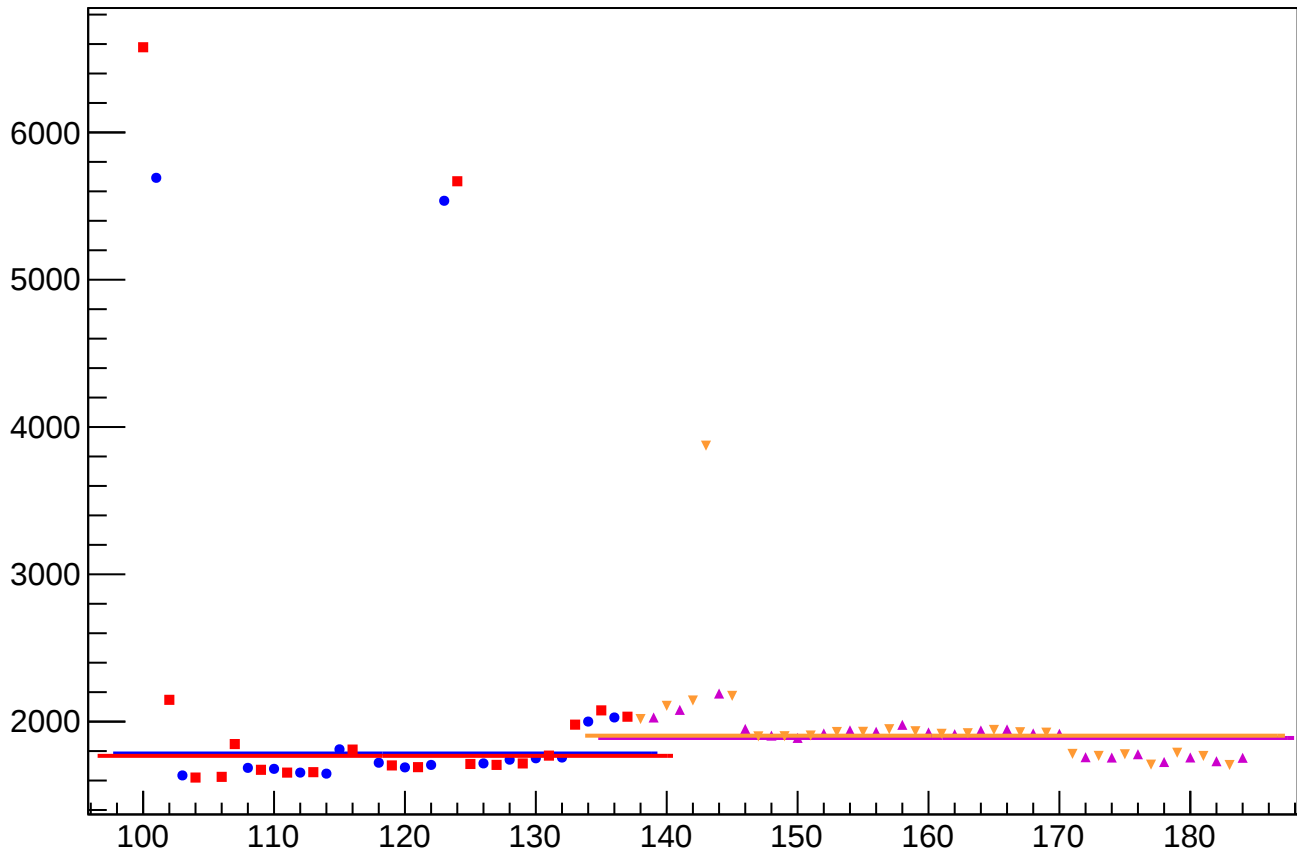
Right: 2004.794 $\pm$ 494.439 χ^2 /NDF: 28.9/35

In: 2637.216 $\pm$ 382.803 χ^2 /NDF:32.4/39

Out: 1827.005 $\pm$ 377.093 χ^2 /NDF:54.6/42

All: 2226.023 $\pm$ 268.641 χ^2 /NDF: 89.3/82

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1783.480+/-0.504 χ^2/NDF : 644626.7/16

Left Out: 1904.528+/-0.319 χ^2/NDF : 478841.7/23

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: 1896.767+/-0.226 χ^2/NDF : 606447.4/46

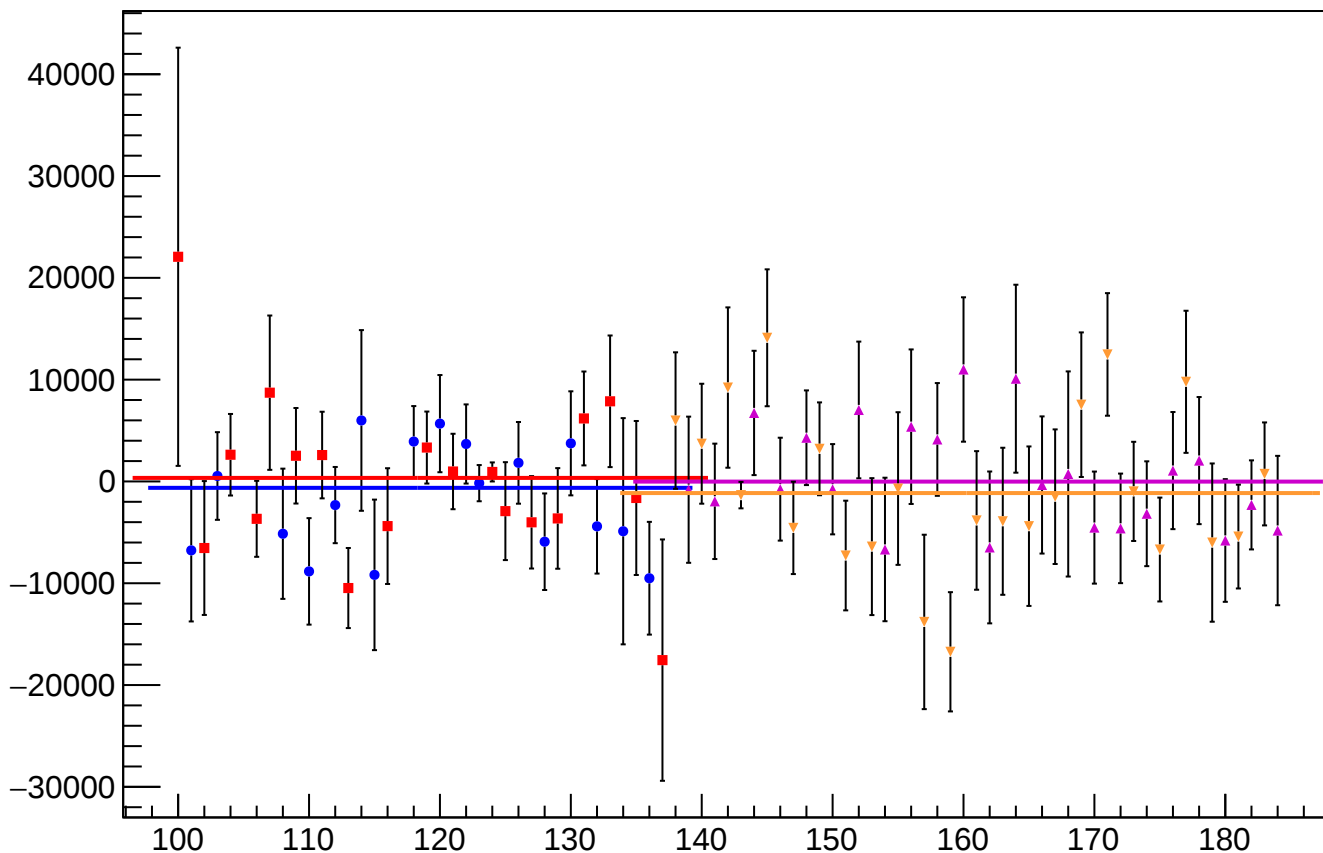
Right: 1775.193+/-0.348 χ^2/NDF : 951170.4/35

In: 1858.551+/-0.271 χ^2/NDF : 802166.9/39

Out: 1862.769+/-0.266 χ^2/NDF : 840982.5/42

All: 1860.696+/-0.190 χ^2/NDF : 1643272.9/82

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -628.255+/-1010.986 χ^2/NDF : 16.4/16

Left Out: -1140.951+/-905.958 χ^2/NDF : 33.3/23

Right Out: 347.826+/-725.877 χ^2/NDF : 22.1/18

Left In: -15.863+/-1243.317 χ^2/NDF : 13.2/22

Left: -750.759+/-732.197 χ^2/NDF : 47.1/46

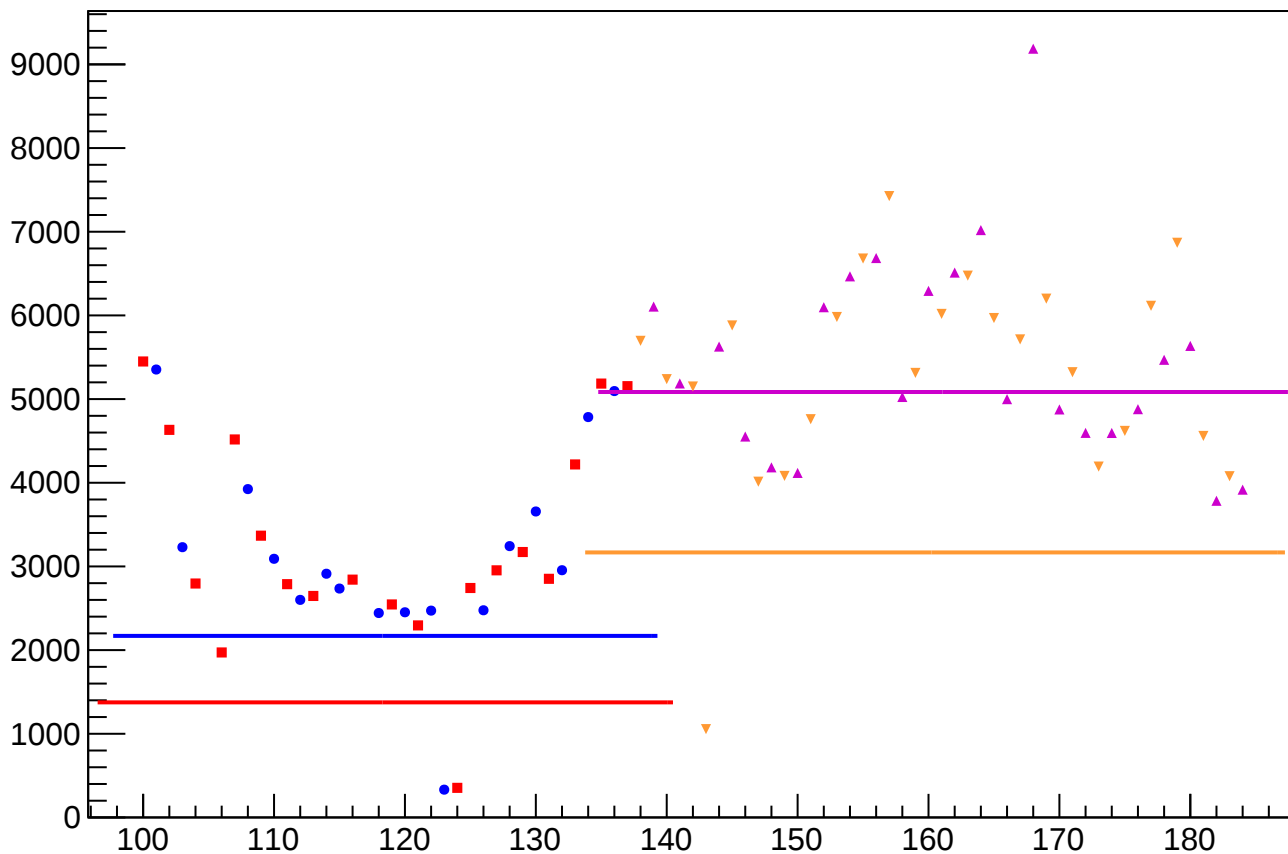
Right: 15.807+/-589.636 χ^2/NDF : 39.1/35

In: -384.510+/-784.396 χ^2/NDF : 29.8/39

Out: -234.245+/-566.476 χ^2/NDF : 57.1/42

All: -285.752+/-459.239 χ^2/NDF : 86.9/82

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2169.912 $\pm$ 0.715 χ^2 /NDF: 3978081.8/16

Left Out: 3167.389 $\pm$ 0.641 χ^2 /NDF: 11365501.9/23

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: 3832.312 $\pm$ 0.518 χ^2 /NDF: 15775549.6/46

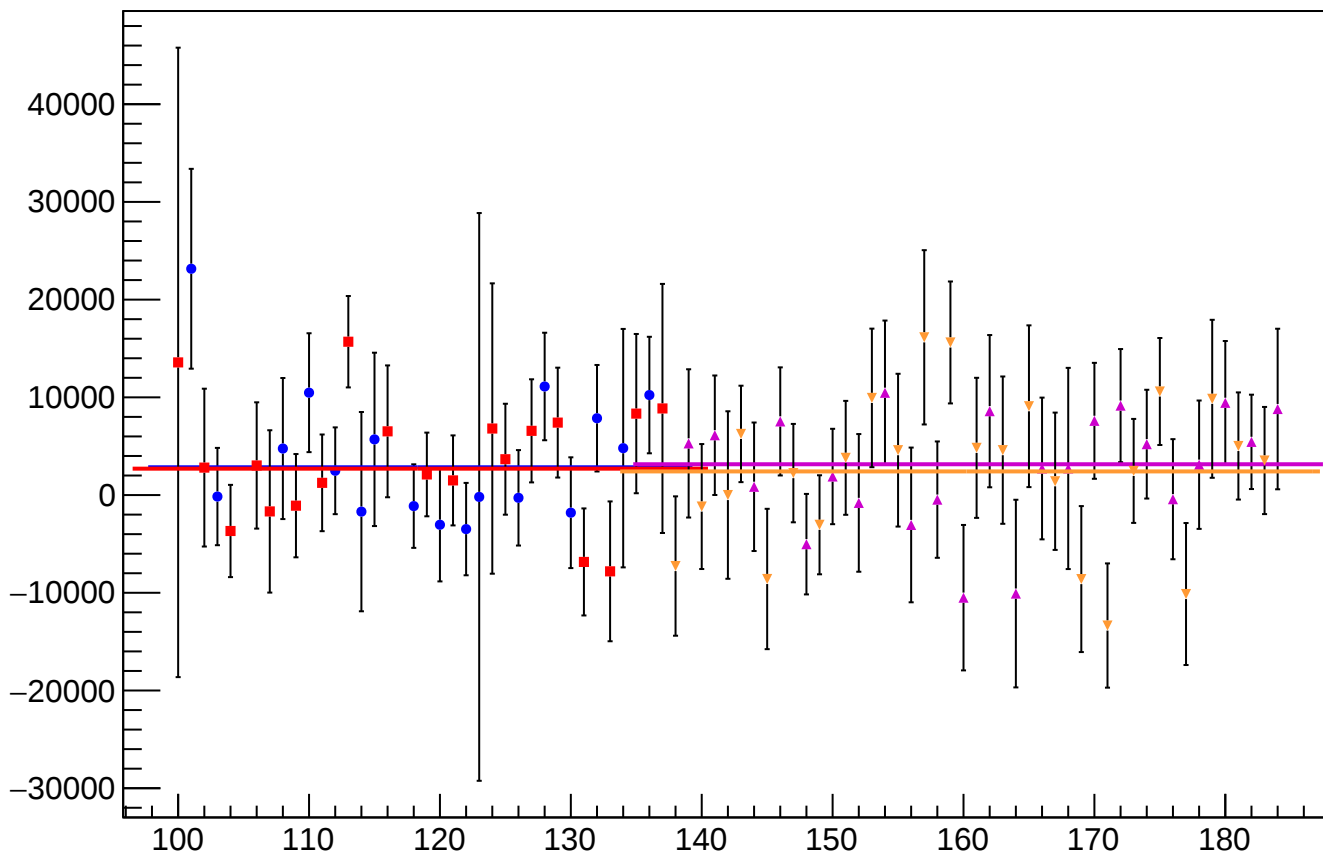
Right: 1645.633 $\pm$ 0.417 χ^2 /NDF: 11631878.4/35

In: 3330.040 $\pm$ 0.555 χ^2 /NDF: 11898413.0/39

Out: 2075.997 $\pm$ 0.401 χ^2 /NDF: 22970011.5/42

All: 2505.849 $\pm$ 0.325 χ^2 /NDF: 38228113.2/80

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2842.572 $\pm$ 1452.178 χ^2 /NDF: 15.7/16

Left Out: 2419.969 $\pm$ 1307.904 χ^2 /NDF:30.0/23

Right Out: 2702.572 $\pm$ 1382.936 χ^2 /NDF: 18.2/18

Left In: 3153.449 $\pm$ 1337.378 χ^2 /NDF:15.5/22

Left: 2778.537 $\pm$ 935.074 χ^2 /NDF: 45.6/46

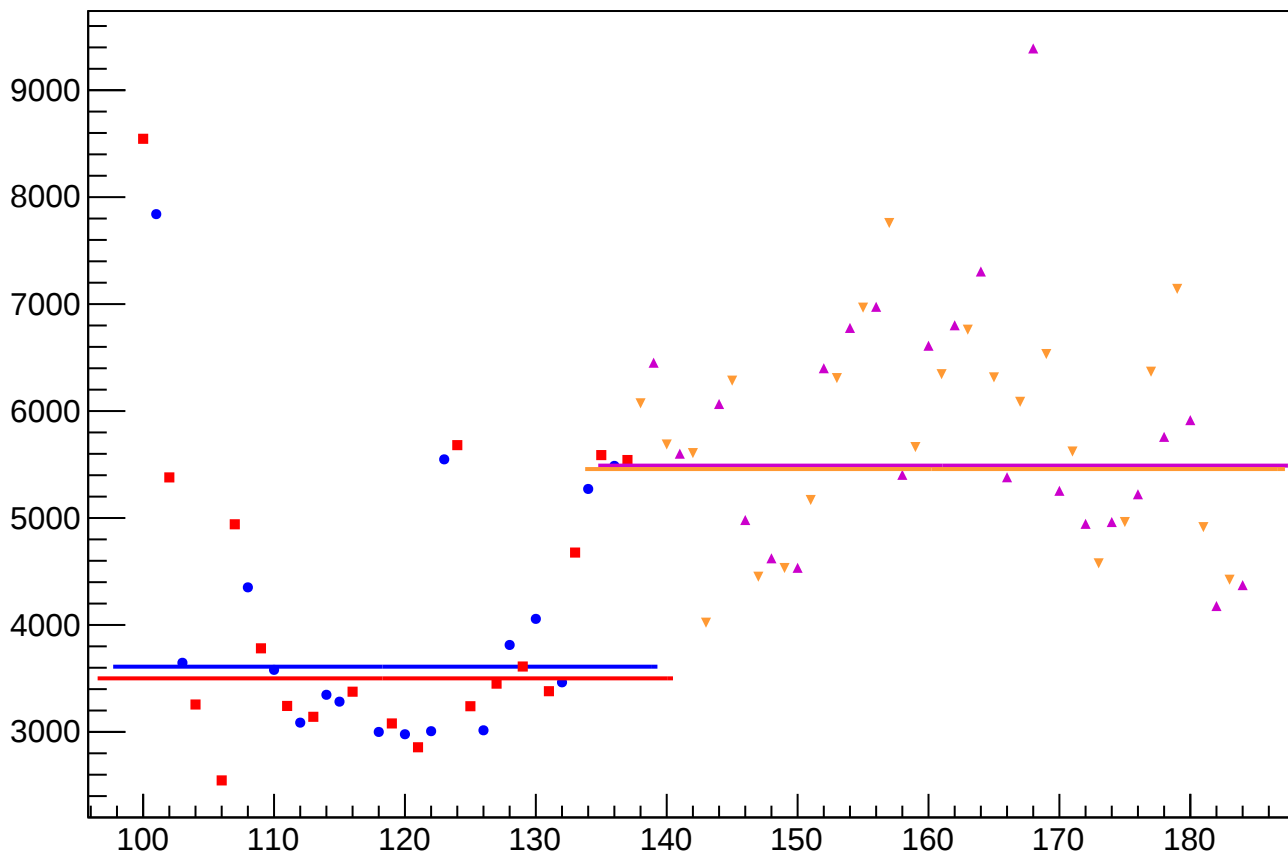
Right: 2769.155 $\pm$ 1001.468 χ^2 /NDF: 33.9/35

In: 3010.782 $\pm$ 983.754 χ^2 /NDF:31.2/39

Out: 2553.397 $\pm$ 950.247 χ^2 /NDF:48.2/42

All: 2774.167 $\pm$ 683.465 χ^2 /NDF: 79.5/82

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3610.008 $\pm$ 1.027 χ^2 /NDF: 783187.3/16

Left Out: 5457.669 $\pm$ 0.925 χ^2 /NDF:1055122.2/23

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: 5473.418 $\pm$ 0.661 χ^2 /NDF: 2120068.8/46

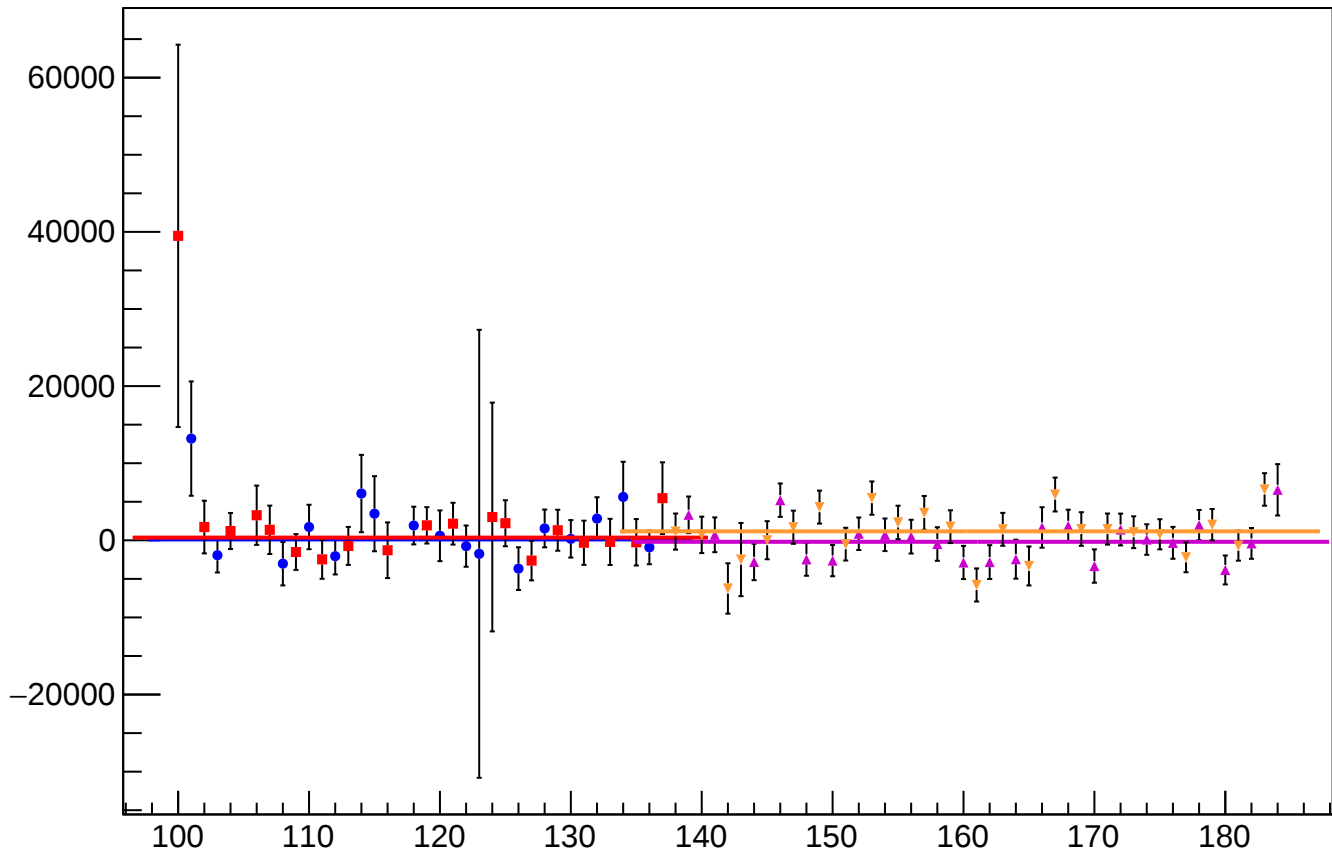
Right: 3551.929 $\pm$ 0.703 χ^2 /NDF: 1450762.7/35

In: 4627.173 $\pm$ 0.696 χ^2 /NDF:3661037.3/39

Out: 4519.984 $\pm$ 0.667 χ^2 /NDF:3862112.9/42

All: 4571.364 $\pm$ 0.482 χ^2 /NDF: 7535513.1/82

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 115.789 $\pm$ 711.081 χ^2 /NDF: 13.7/16

Left Out: 1166.622 $\pm$ 450.549 χ^2 /NDF:43.5/23

Right Out: 353.491 $\pm$ 683.689 χ^2 /NDF: 9.9/18

Left In: -191.966 $\pm$ 453.055 χ^2 /NDF:30.0/22

Left: 491.095 $\pm$ 319.468 χ^2 /NDF: 78.1/46

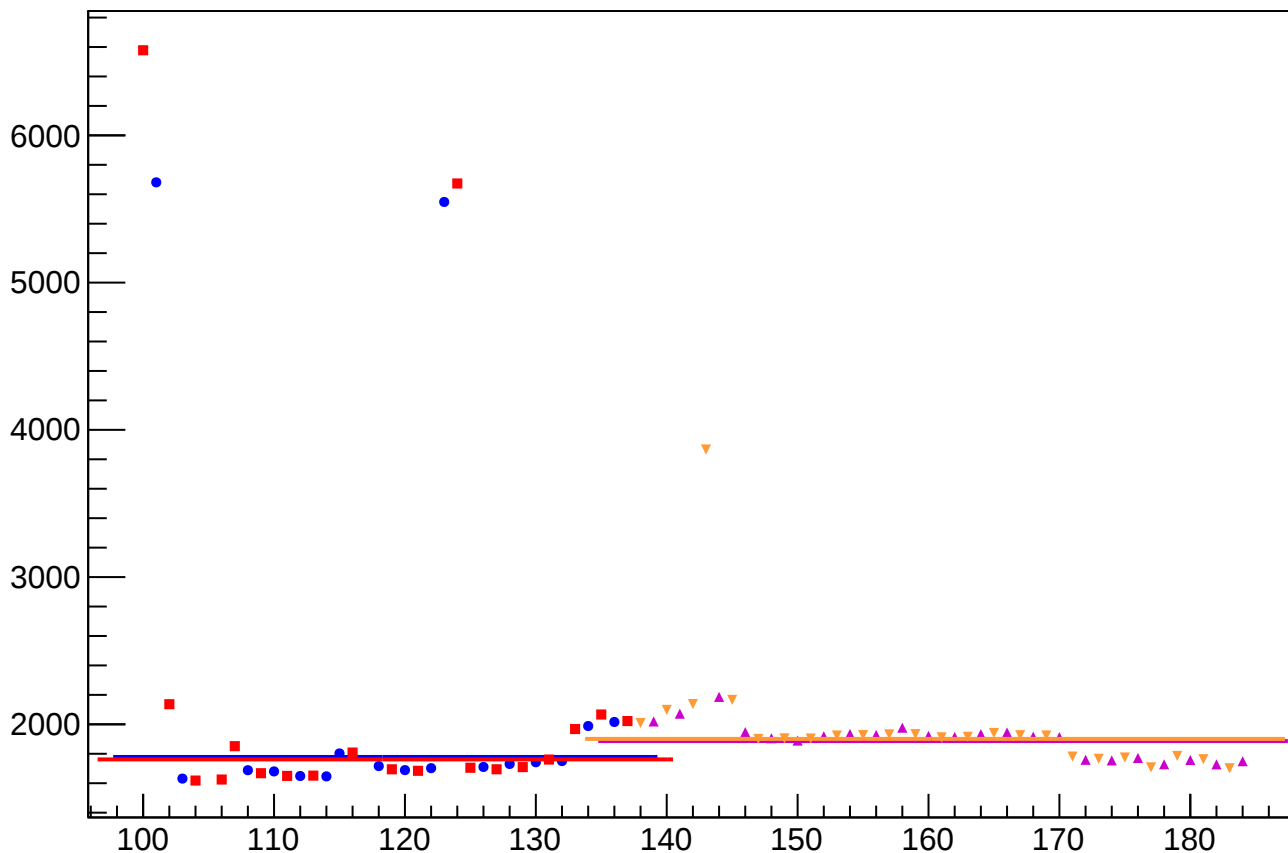
Right: 239.307 $\pm$ 492.840 χ^2 /NDF: 23.7/35

In: -103.107 $\pm$ 382.091 χ^2 /NDF:43.9/39

Out: 920.418 $\pm$ 376.206 χ^2 /NDF:54.4/42

All: 416.599 $\pm$ 268.074 χ^2 /NDF: 101.9/82

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1778.202+/-0.503 χ^2/NDF : 642982.9/16

Left Out: 1901.092+/-0.319 χ^2/NDF : 475501.7/23

Right Out: 1761.653+/-0.480 χ^2/NDF : 305365.0/18

Left In: 1886.378+/-0.320 χ^2/NDF : 123520.6/22

Left: 1893.776+/-0.226 χ^2/NDF : 600083.0/46

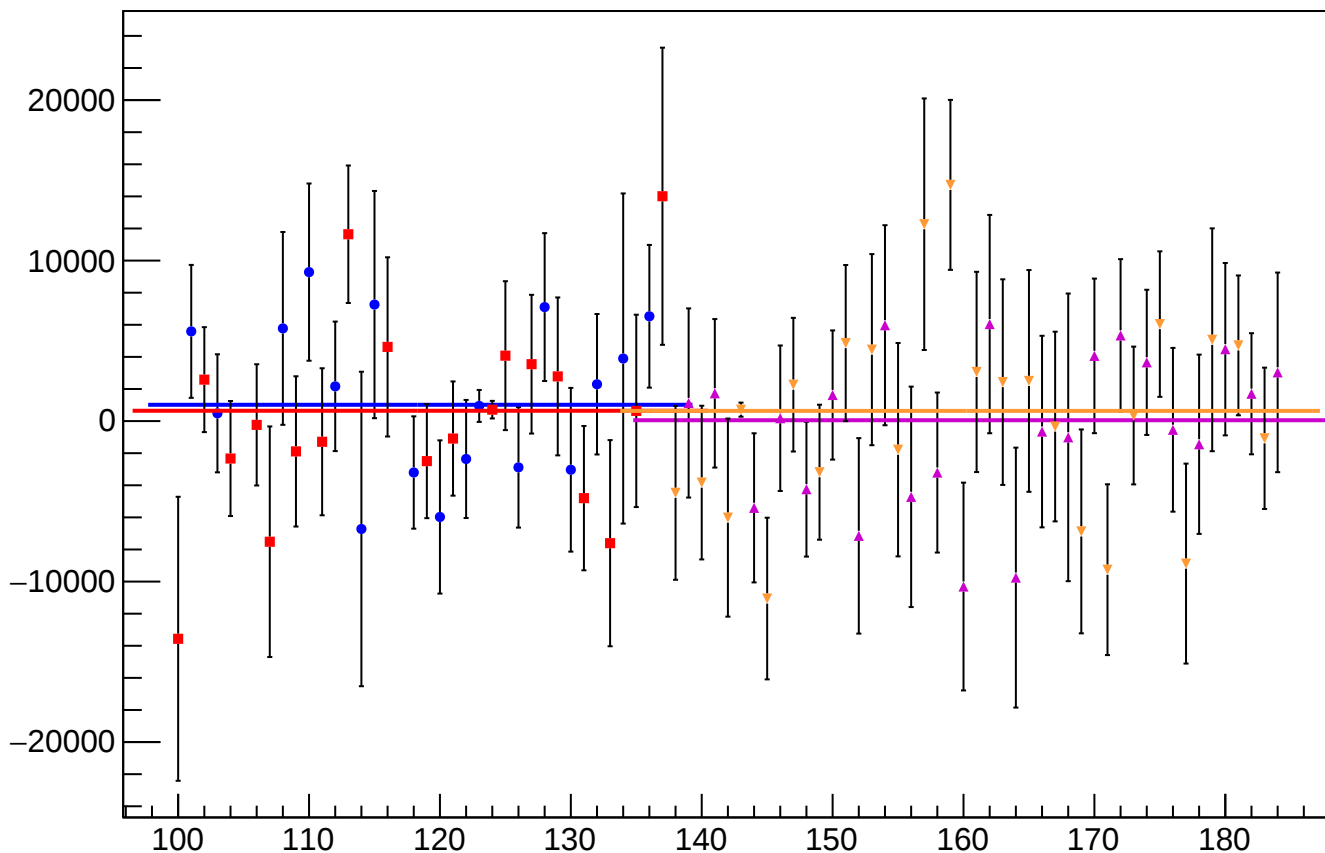
Right: 1769.546+/-0.347 χ^2/NDF : 948914.5/35

In: 1855.144+/-0.270 χ^2/NDF : 799425.3/39

Out: 1858.467+/-0.265 χ^2/NDF : 839426.0/42

All: 1856.835+/-0.189 χ^2/NDF : 1638928.4/82

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1015.864+/-753.323 χ^2/NDF : 15.2/16

Left Out: 635.110+/-408.004 χ^2/NDF : 30.3/23

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: 563.572+/-382.107 χ^2/NDF : 45.1/46

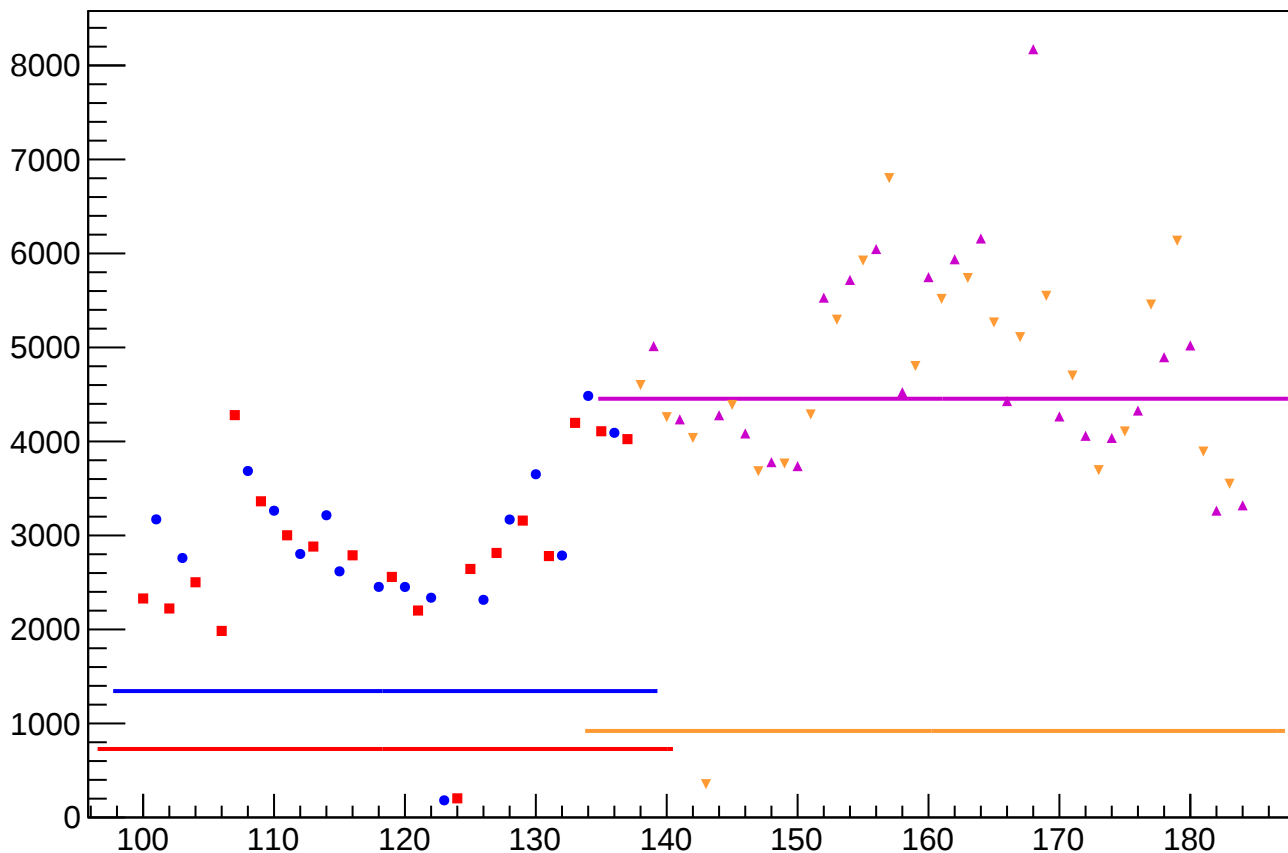
Right: 753.802+/-409.735 χ^2/NDF : 35.3/35

In: 704.607+/-619.699 χ^2/NDF : 30.3/39

Out: 638.644+/-313.087 χ^2/NDF : 50.2/42

All: 652.058+/-279.447 χ^2/NDF : 80.5/82

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1344.476 $\pm$ 0.533 χ^2 /NDF: 6835525.9/16

Left Out: 920.380 $\pm$ 0.289 χ^2 /NDF: 25592906.0/23

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: 1354.766 $\pm$ 0.270 χ^2 /NDF: 45386295.9/46

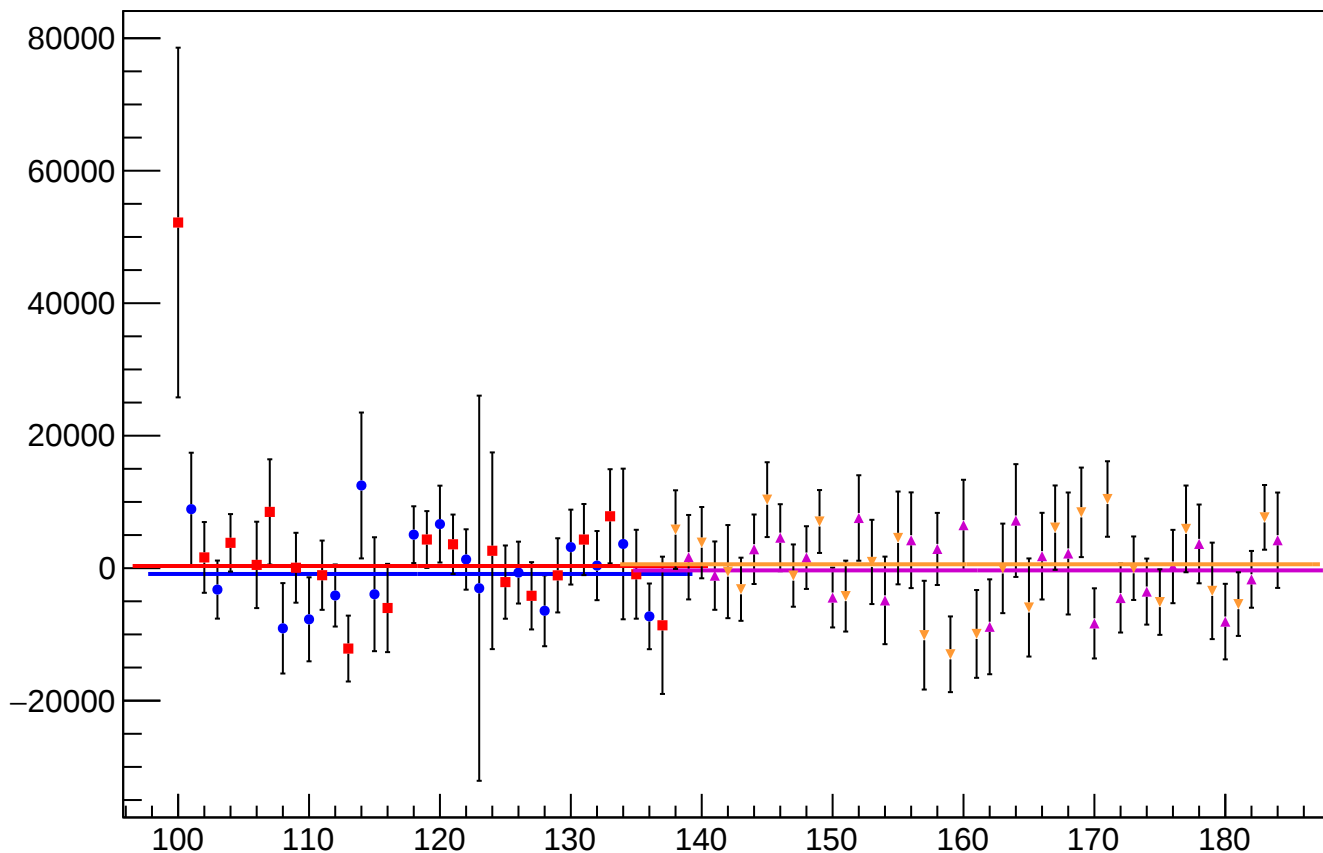
Right: 910.670 $\pm$ 0.290 χ^2 /NDF: 17257813.4/35

In: 2349.899 $\pm$ 0.438 χ^2 /NDF: 19204891.0/39

Out: 841.456 $\pm$ 0.221 χ^2 /NDF: 35255362.8/42

All: 1148.194 $\pm$ 0.198 χ^2 /NDF: 63900741.2/80

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -874.074+/-1400.106 χ^2/NDF : 13.6/16

Left Out: 589.776+/-1173.918 χ^2/NDF : 29.6/23

Right Out: 328.412+/-1333.346 χ^2/NDF : 17.8/18

Left In: -332.488+/-1196.011 χ^2/NDF : 14.7/22

Left: 137.241+/-837.787 χ^2/NDF : 44.6/46

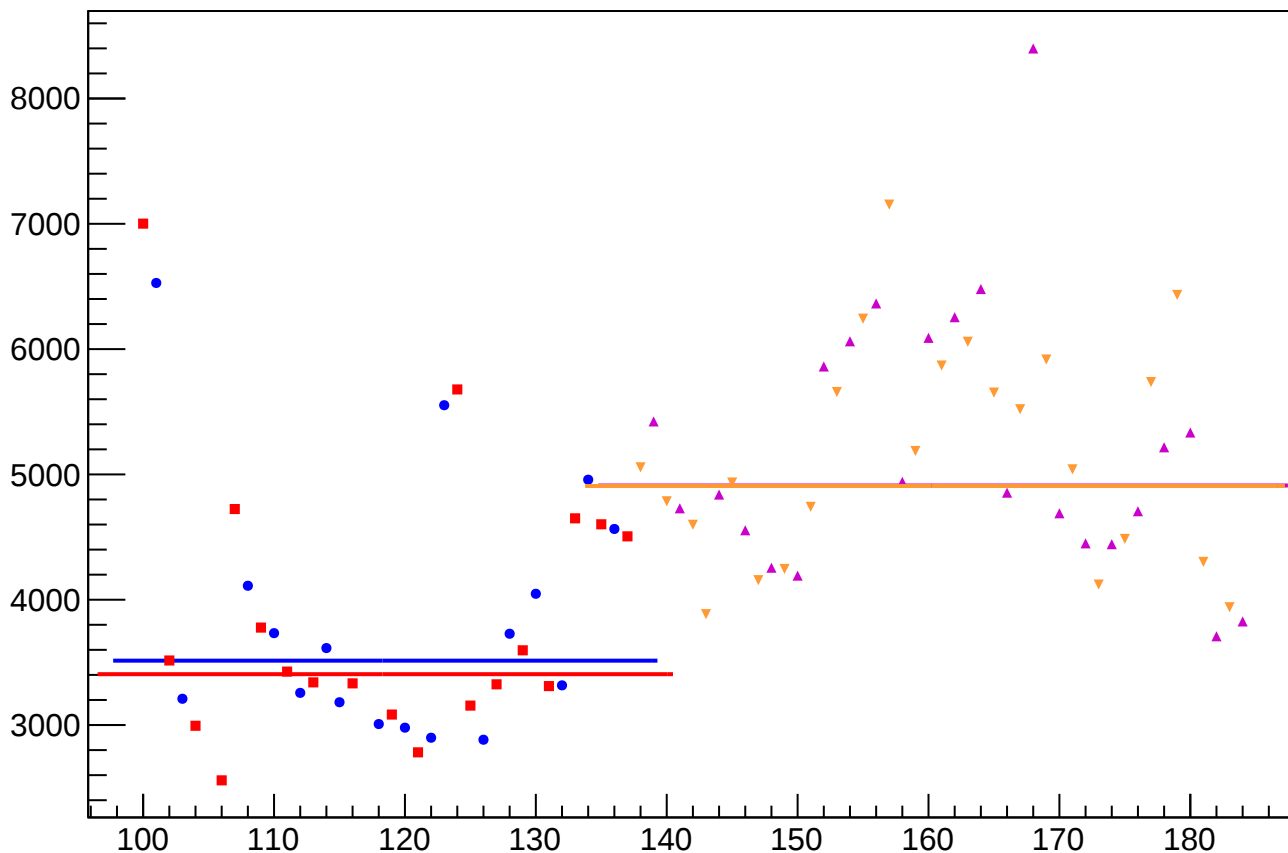
Right: -243.480+/-965.557 χ^2/NDF : 31.8/35

In: -560.966+/-909.387 χ^2/NDF : 28.4/39

Out: 475.646+/-881.088 χ^2/NDF : 47.4/42

All: -26.280+/-632.791 χ^2/NDF : 76.5/82

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3513.685 $\pm$ 0.990 χ^2 /NDF: 560775.0/16

Left Out: 4907.407 $\pm$ 0.830 χ^2 /NDF: 928286.6/23

Right Out: 3405.768 $\pm$ 0.931 χ^2 /NDF: 428480.7/18

Left In: 4911.546 $\pm$ 0.846 χ^2 /NDF: 1043164.6/22

Left: 4909.438 $\pm$ 0.592 χ^2 /NDF: 1971463.4/46

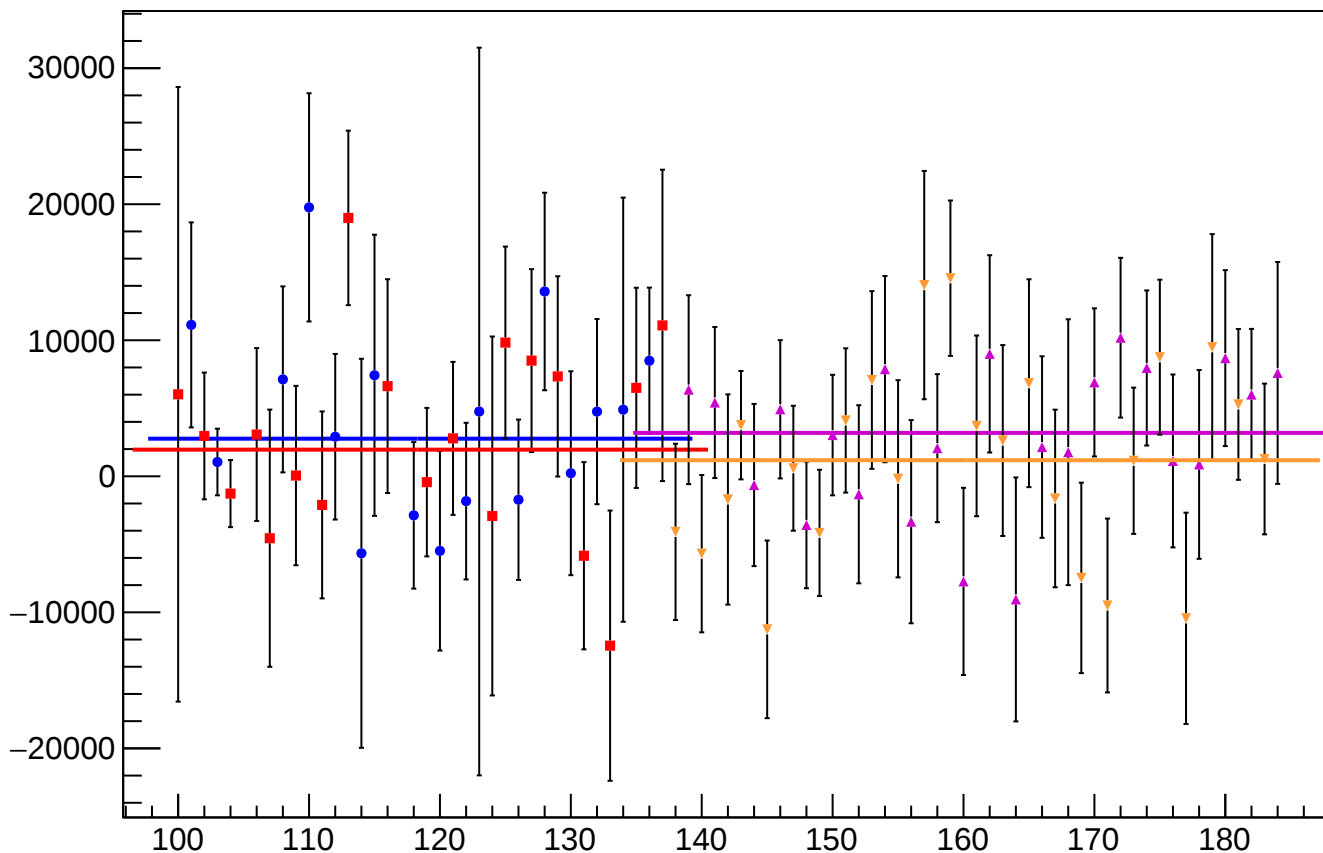
Right: 3456.388 $\pm$ 0.678 χ^2 /NDF: 995564.3/35

In: 4321.830 $\pm$ 0.643 χ^2 /NDF: 2756507.9/39

Out: 4241.995 $\pm$ 0.619 χ^2 /NDF: 2806910.0/42

All: 4280.421 $\pm$ 0.446 χ^2 /NDF: 5571413.0/82

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: 1181.073+/-1227.480 χ^2/NDF : 27.4/23

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: 2151.887+/-882.616 χ^2/NDF : 42.7/46

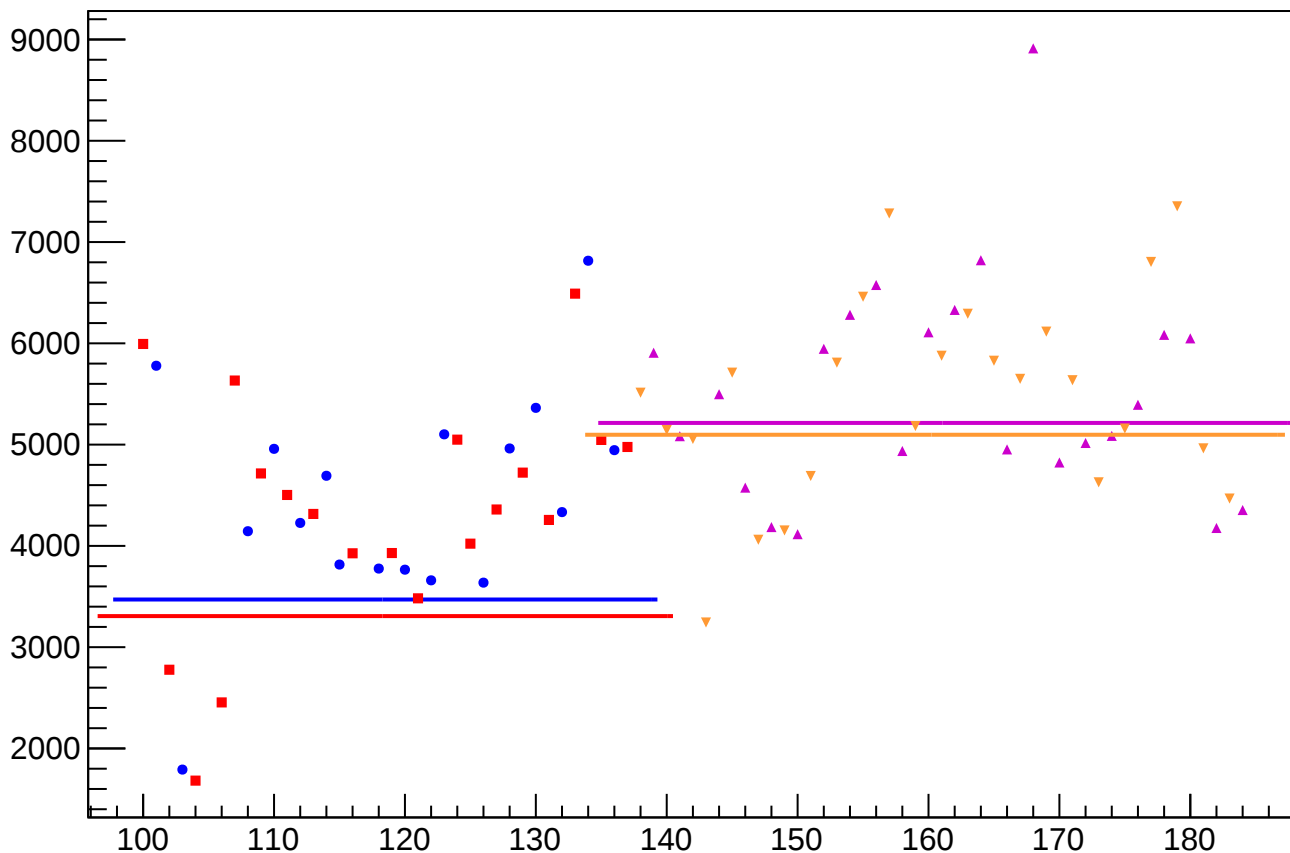
Right: 2341.962+/-1003.080 χ^2/NDF : 31.7/35

In: 3006.981+/-957.069 χ^2/NDF : 28.0/39

Out: 1523.953+/-918.312 χ^2/NDF : 45.2/42

All: 2234.831+/-662.623 χ^2/NDF : 74.4/82

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.650 $\pm$ 1.029 χ^2 /NDF: 1765892.2/16

Left Out: 5097.338 $\pm$ 0.868 χ^2 /NDF:1346811.0/23

Right Out: 3306.828 $\pm$ 0.970 χ^2 /NDF: 1911650.7/18

Left In: 5214.120 $\pm$ 0.898 χ^2 /NDF:1052501.5/22

Left: 5153.740 $\pm$ 0.624 χ^2 /NDF: 2408055.8/46

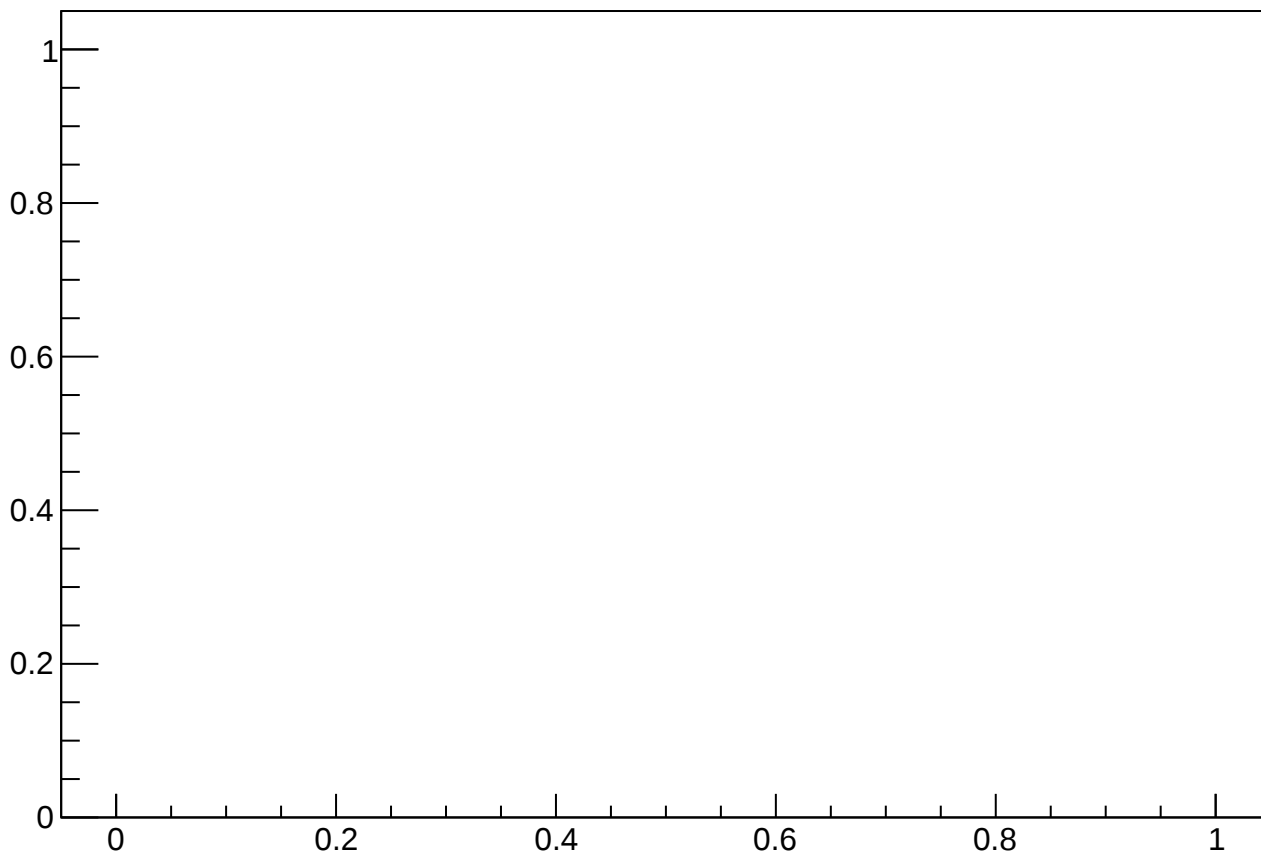
Right: 3383.837 $\pm$ 0.706 χ^2 /NDF: 3690961.8/35

In: 4460.729 $\pm$ 0.677 χ^2 /NDF:4447101.4/39

Out: 4300.832 $\pm$ 0.647 χ^2 /NDF:5151532.8/42

All: 4377.153 $\pm$ 0.468 χ^2 /NDF: 9627813.4/82

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

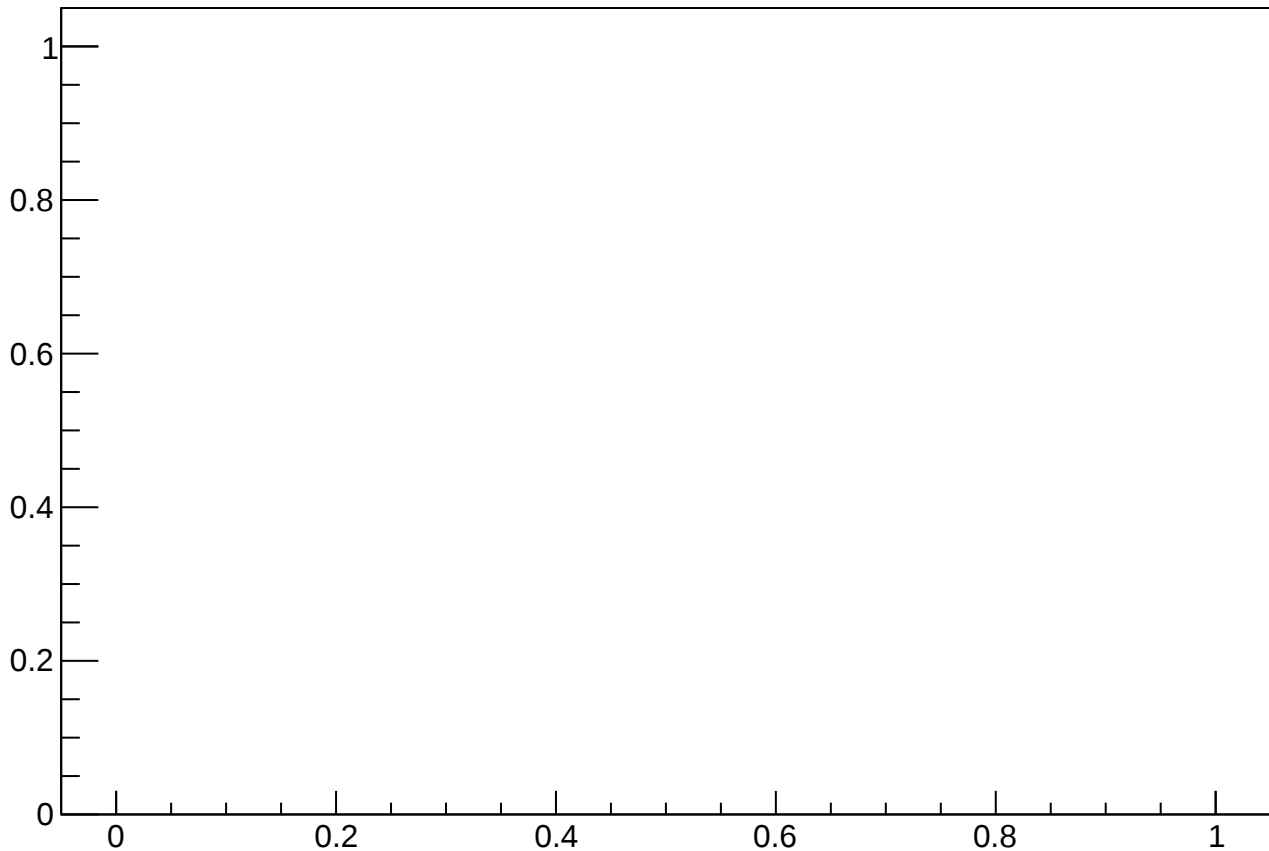
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

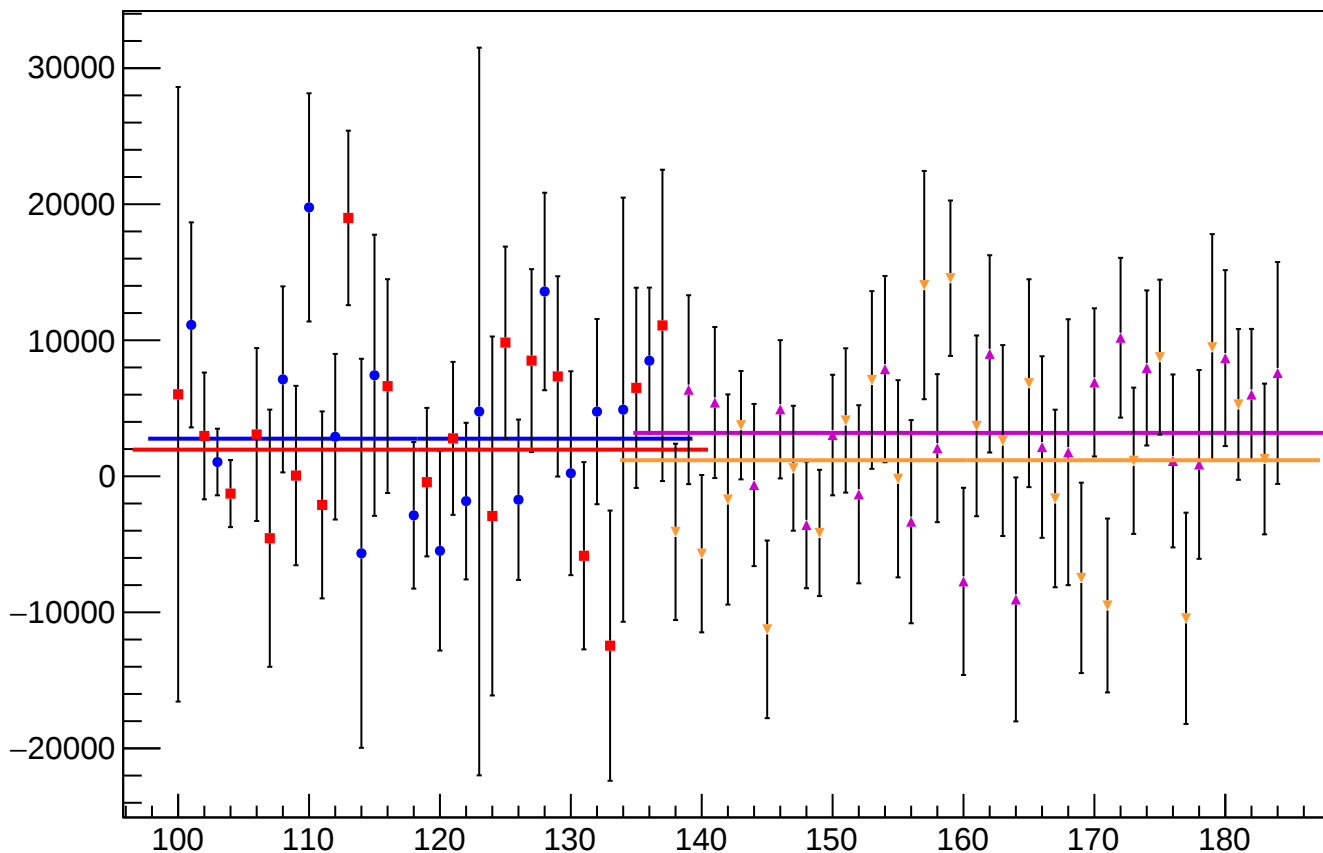
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: 1181.073+/-1227.480 χ^2/NDF : 27.4/23

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: 2151.887+/-882.616 χ^2/NDF : 42.7/46

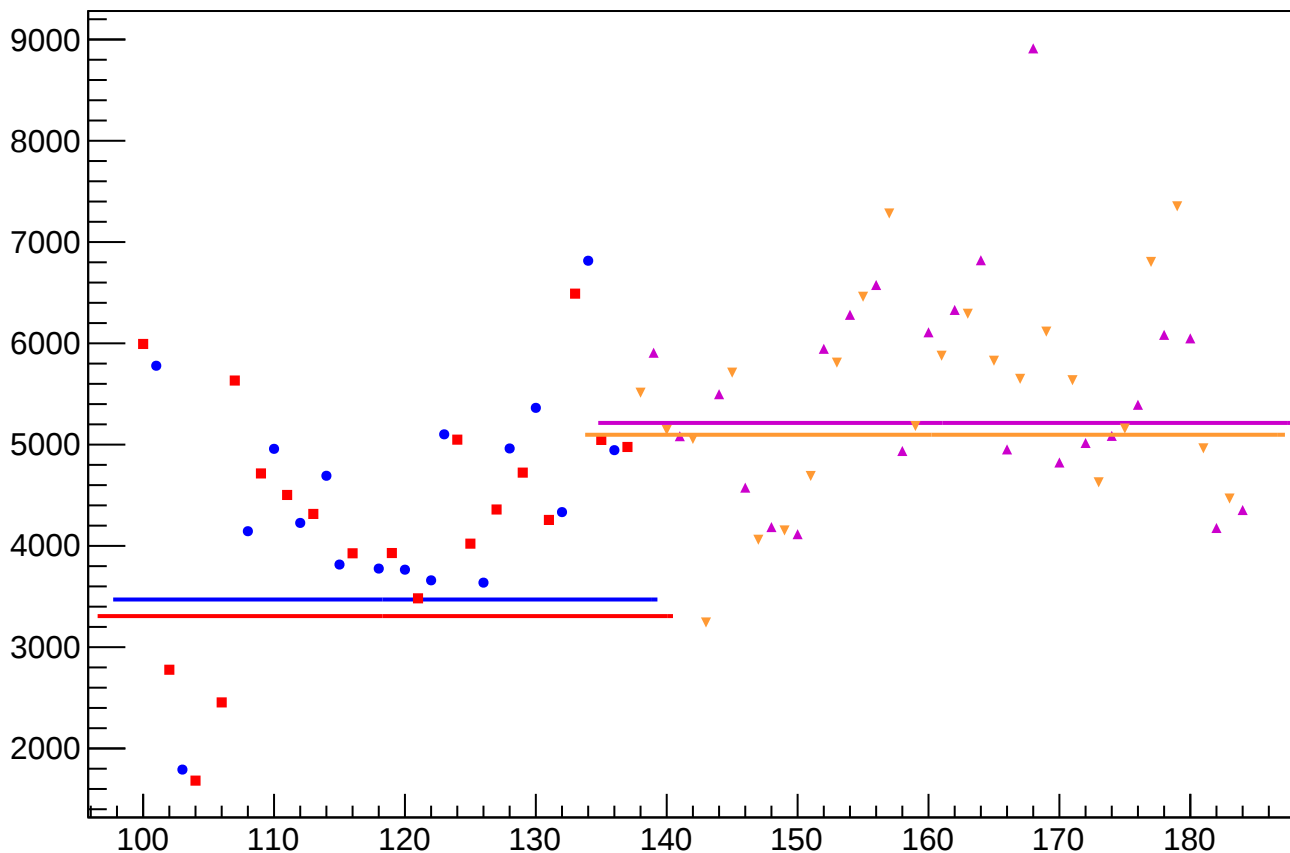
Right: 2341.962+/-1003.080 χ^2/NDF : 31.7/35

In: 3006.981+/-957.069 χ^2/NDF : 28.0/39

Out: 1523.953+/-918.312 χ^2/NDF : 45.2/42

All: 2234.831+/-662.623 χ^2/NDF : 74.4/82

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: 5097.338+/-0.868 χ^2/NDF : 1346811.0/23

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: 5153.740+/-0.624 χ^2/NDF : 2408055.8/46

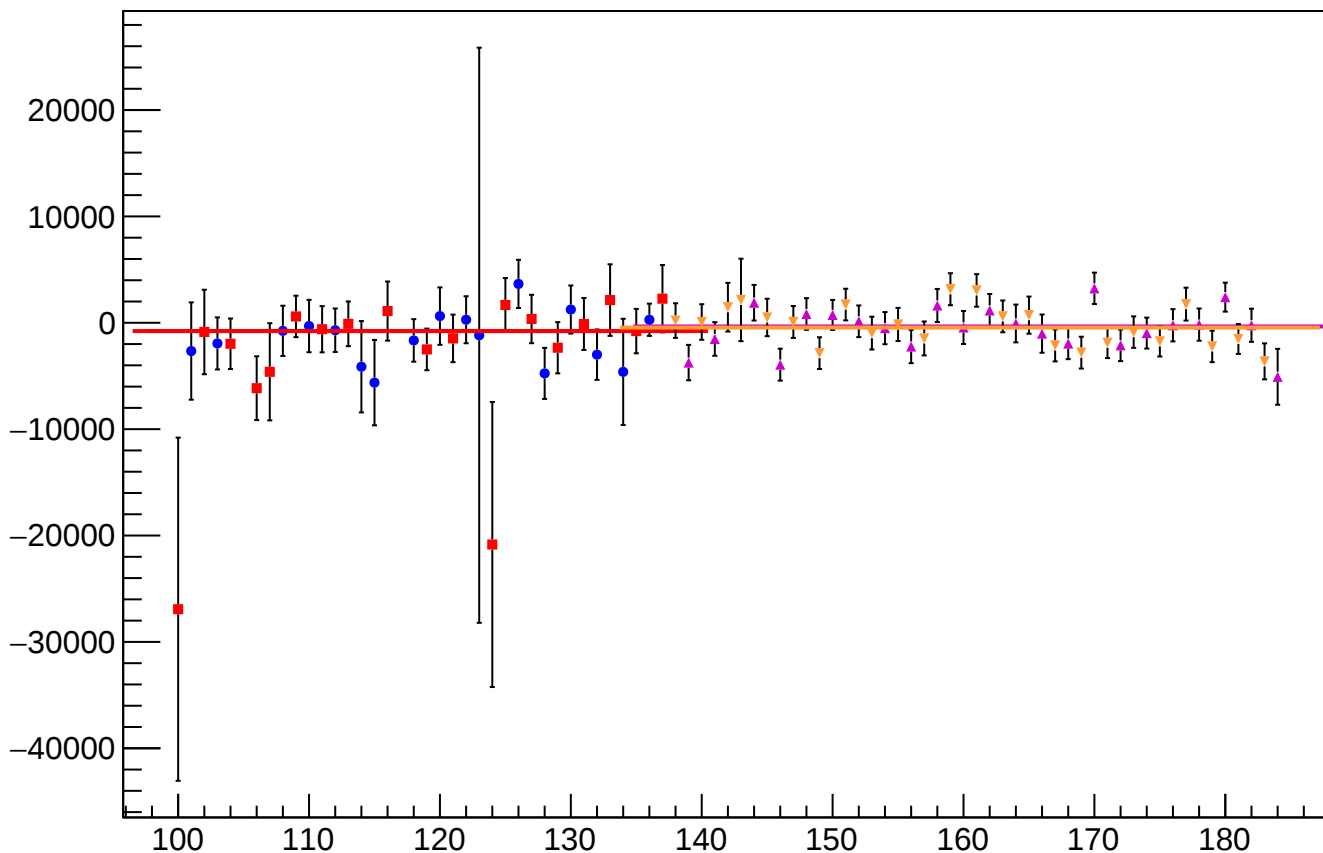
Right: 3383.837+/-0.706 χ^2/NDF : 3690961.8/35

In: 4460.729+/-0.677 χ^2/NDF : 4447101.4/39

Out: 4300.832+/-0.647 χ^2/NDF : 5151532.8/42

All: 4377.153+/-0.468 χ^2/NDF : 9627813.4/82

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: -449.023+/-323.078 χ^2/NDF :32.2/23

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: -396.590+/-228.905 χ^2/NDF : 66.0/46

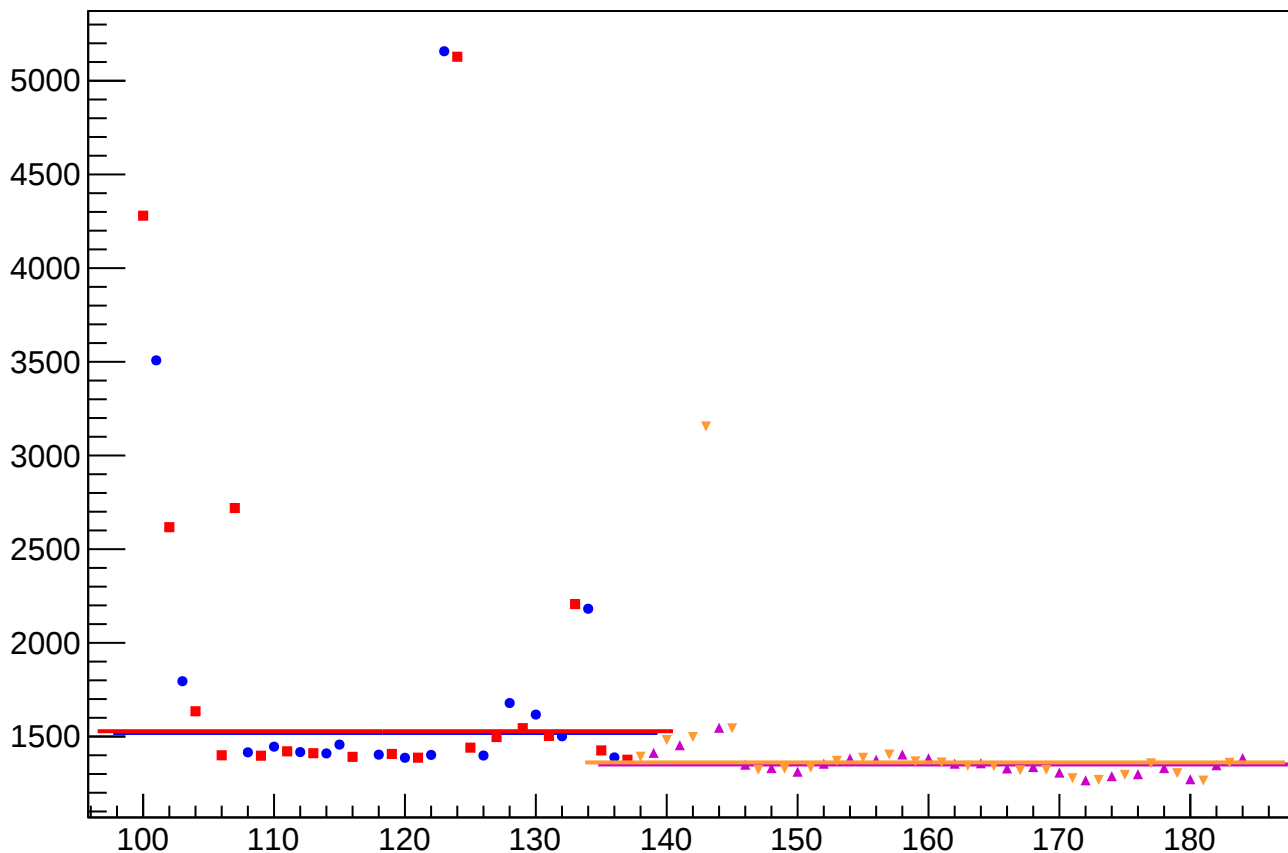
Right: -775.737+/-425.032 χ^2/NDF : 26.9/35

In: -439.815+/-285.935 χ^2/NDF :46.7/39

Out: -523.319+/-284.104 χ^2/NDF :46.7/42

All: -481.835+/-201.536 χ^2/NDF : 93.5/82

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: 1361.896 ± 0.228 χ^2/NDF : 507670.1/23

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: 1356.424 ± 0.162 χ^2/NDF : 575966.5/46

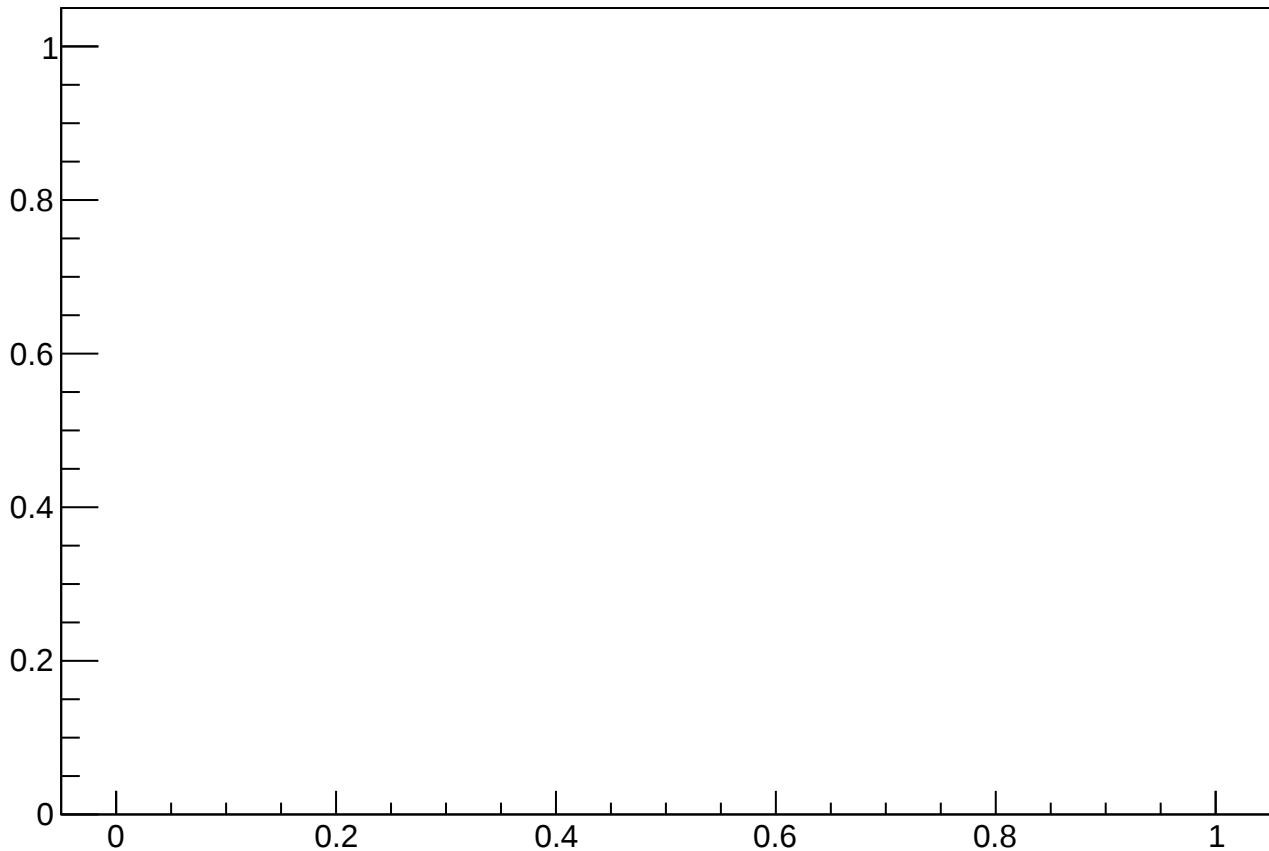
Right: 1523.872 ± 0.301 χ^2/NDF : 1169084.1/35

In: 1388.420 ± 0.202 χ^2/NDF : 724802.9/39

Out: 1399.653 ± 0.201 χ^2/NDF : 1259321.3/42

All: 1394.073 ± 0.143 χ^2/NDF : 1985677.3/82

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

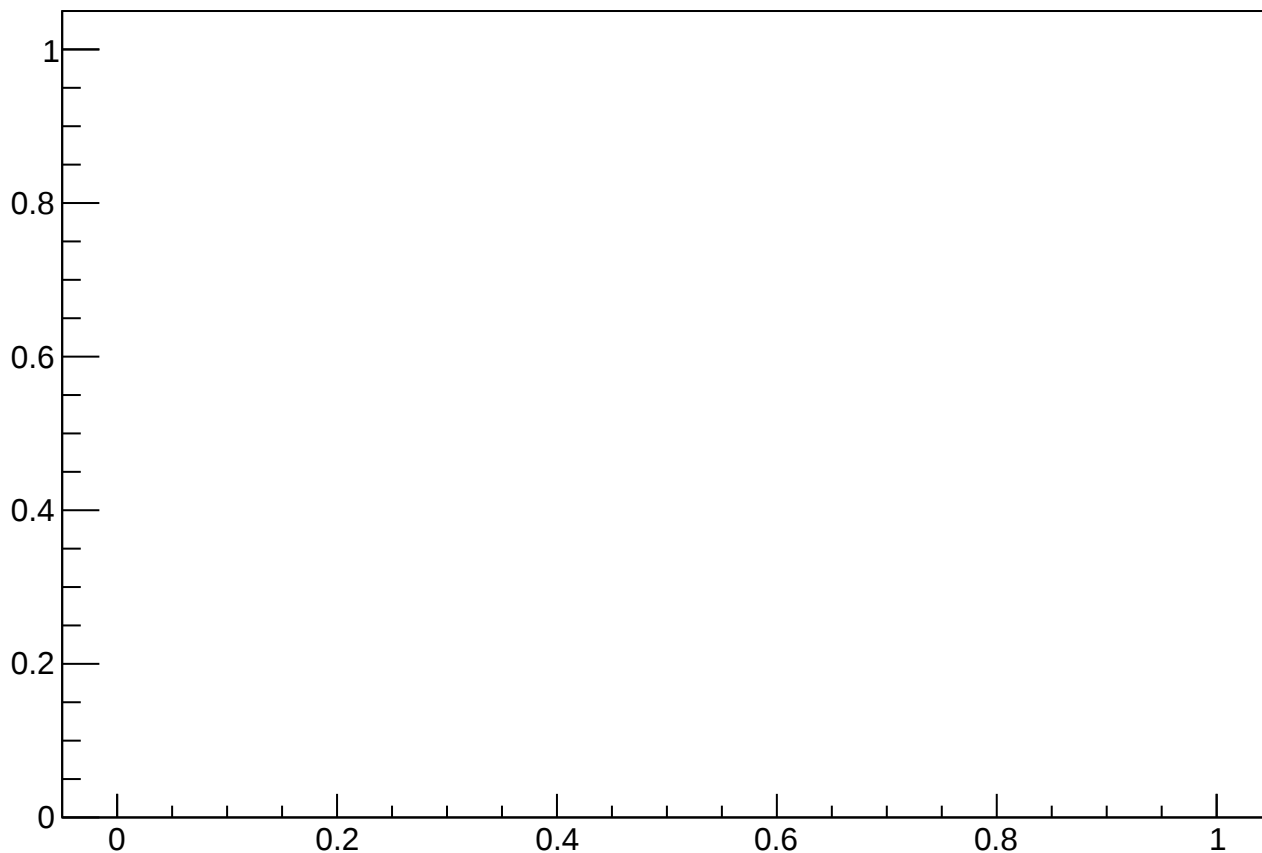
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

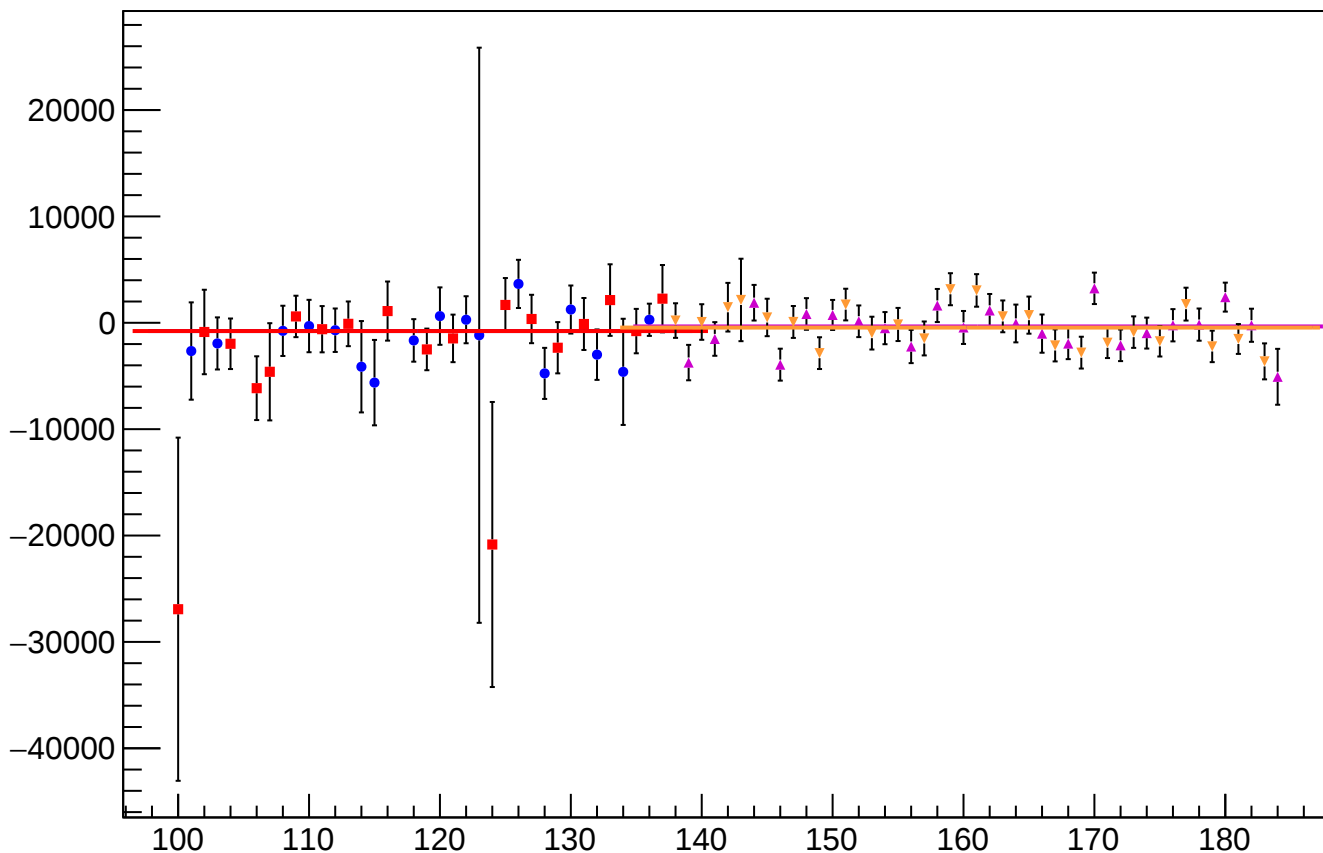
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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: -449.023+/-323.078 χ^2/NDF :32.2/23

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: -396.590+/-228.905 χ^2/NDF : 66.0/46

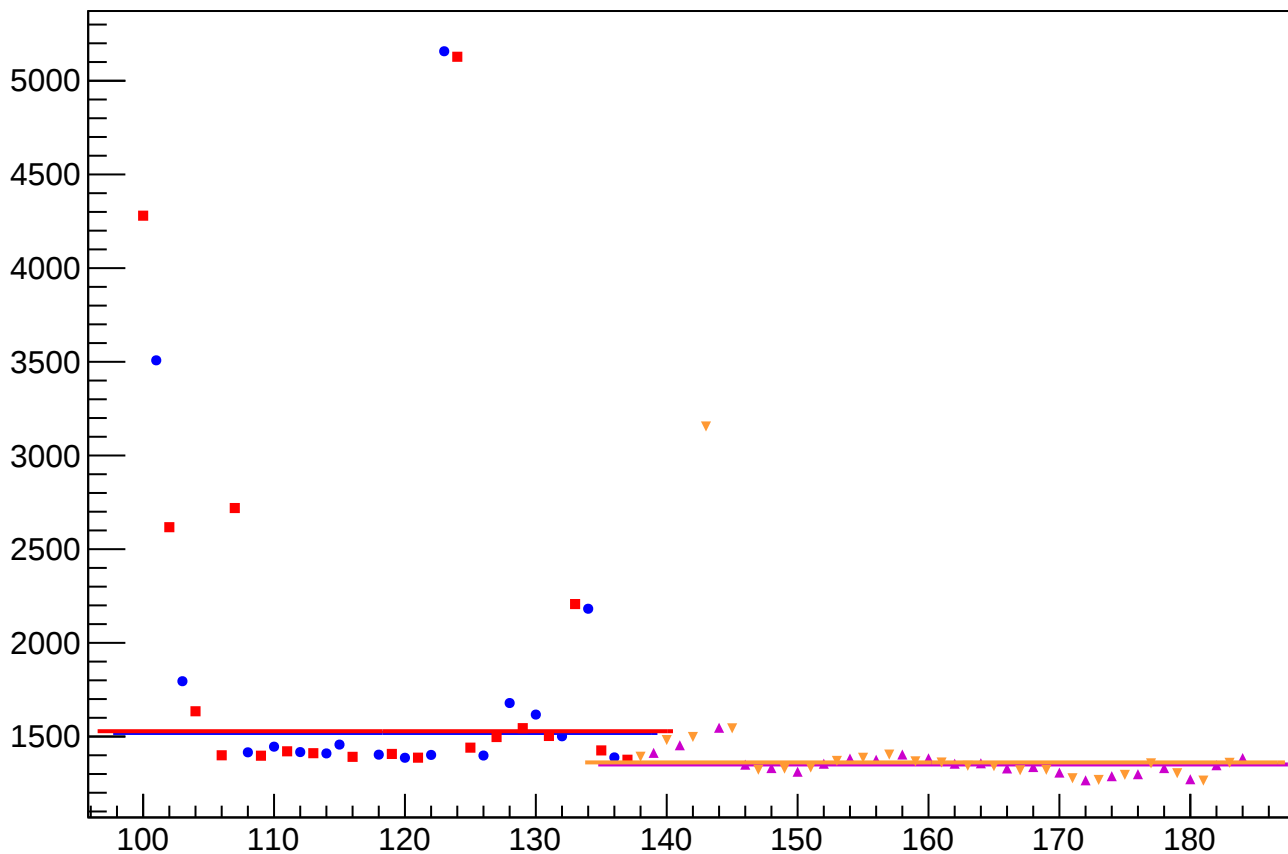
Right: -775.737+/-425.032 χ^2/NDF : 26.9/35

In: -439.815+/-285.935 χ^2/NDF :46.7/39

Out: -523.319+/-284.104 χ^2/NDF :46.7/42

All: -481.835+/-201.536 χ^2/NDF : 93.5/82

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: 1361.896+/-0.228 χ^2/NDF : 507670.1/23

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: 1356.424+/-0.162 χ^2/NDF : 575966.5/46

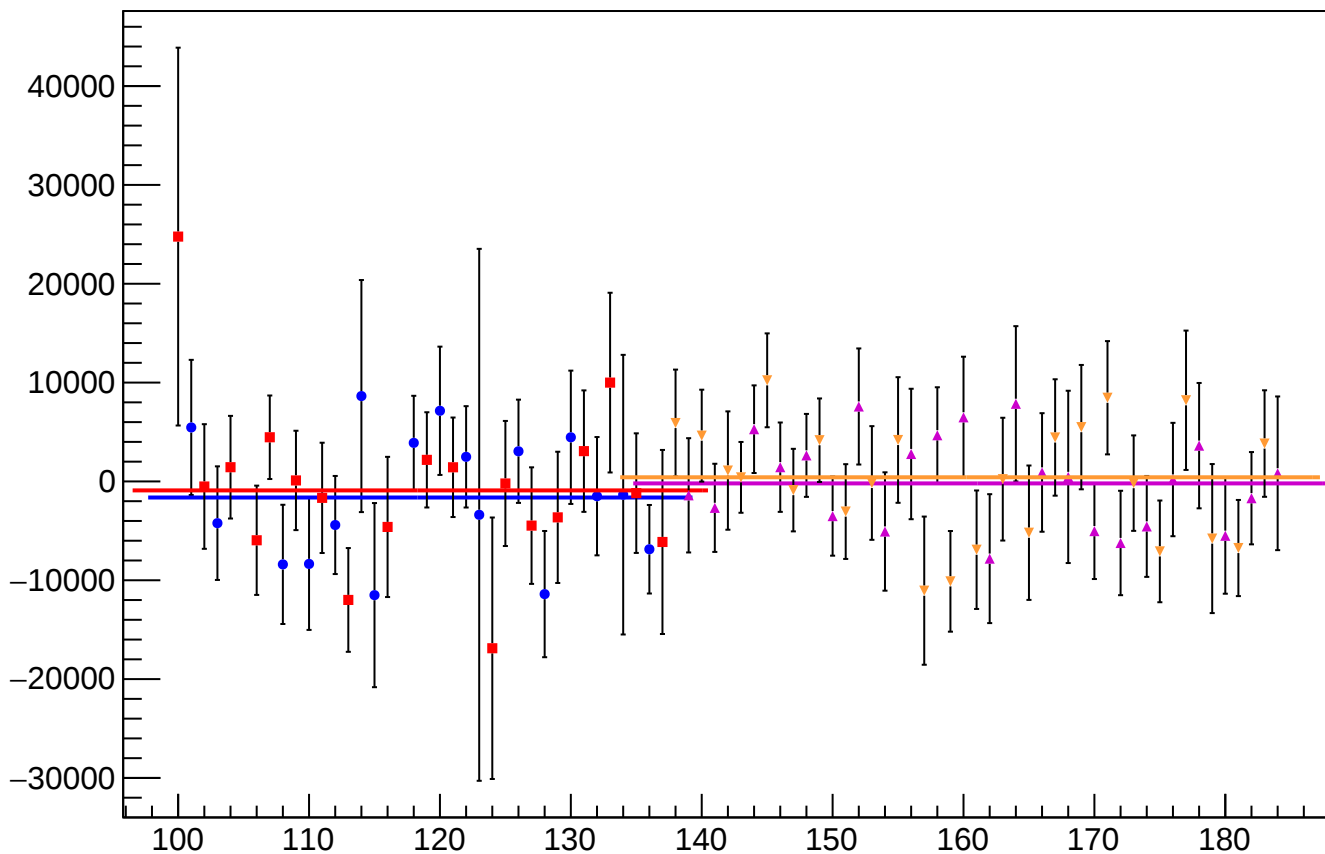
Right: 1523.872+/-0.301 χ^2/NDF : 1169084.1/35

In: 1388.420+/-0.202 χ^2/NDF : 724802.9/39

Out: 1399.653+/-0.201 χ^2/NDF : 1259321.3/42

All: 1394.073+/-0.143 χ^2/NDF : 1985677.3/82

reg_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: 419.687 ± 1082.147 χ^2/NDF : 26.4/23

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: 121.370 ± 779.402 χ^2/NDF : 41.3/46

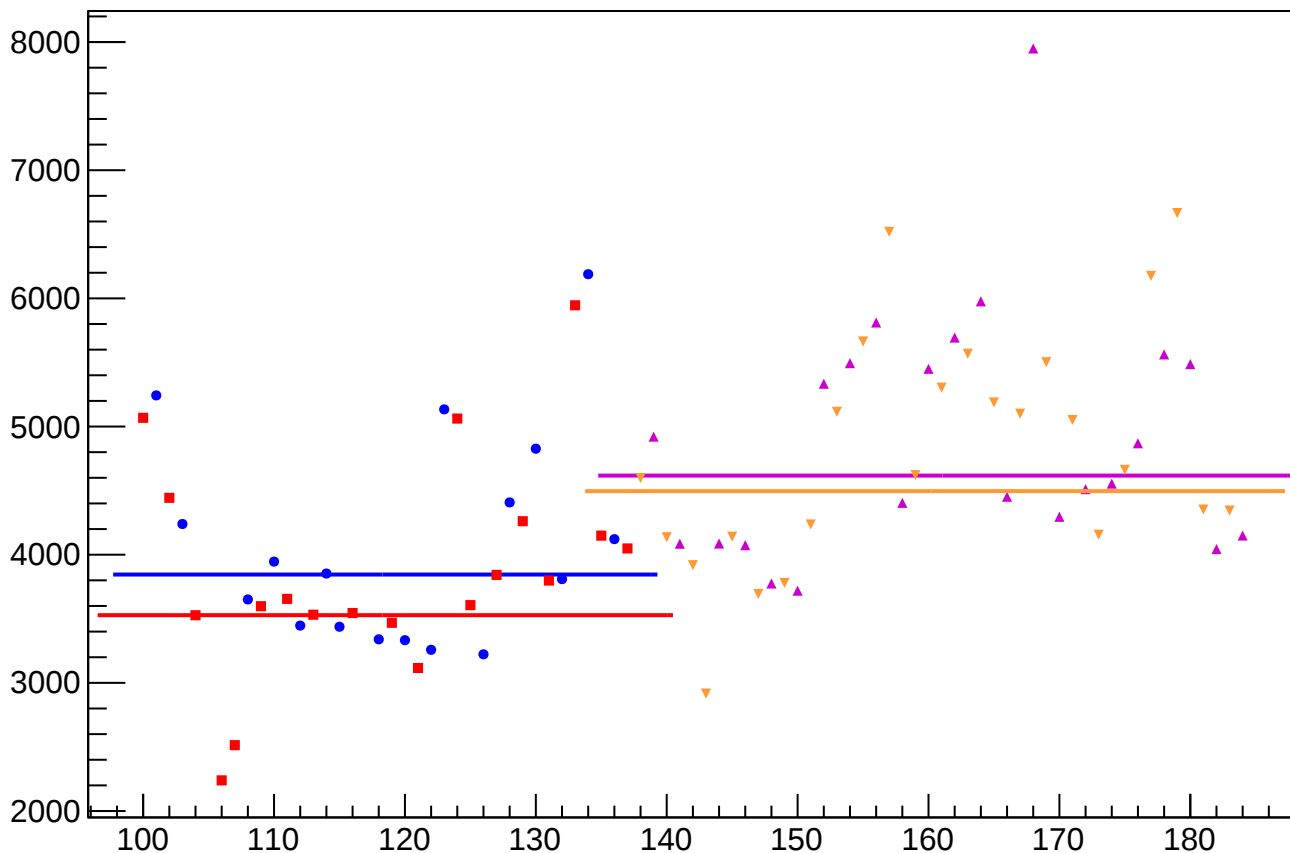
Right: -1233.883 ± 1021.768 χ^2/NDF : 29.1/35

In: -705.278 ± 902.997 χ^2/NDF : 30.2/39

Out: -85.023 ± 851.987 χ^2/NDF : 41.0/42

All: -377.137 ± 619.694 χ^2/NDF : 71.5/82

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: 4496.184 $\pm$ 0.765 χ^2 /NDF:1308606.5/23

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: 4554.469 $\pm$ 0.551 χ^2 /NDF: 2320261.9/46

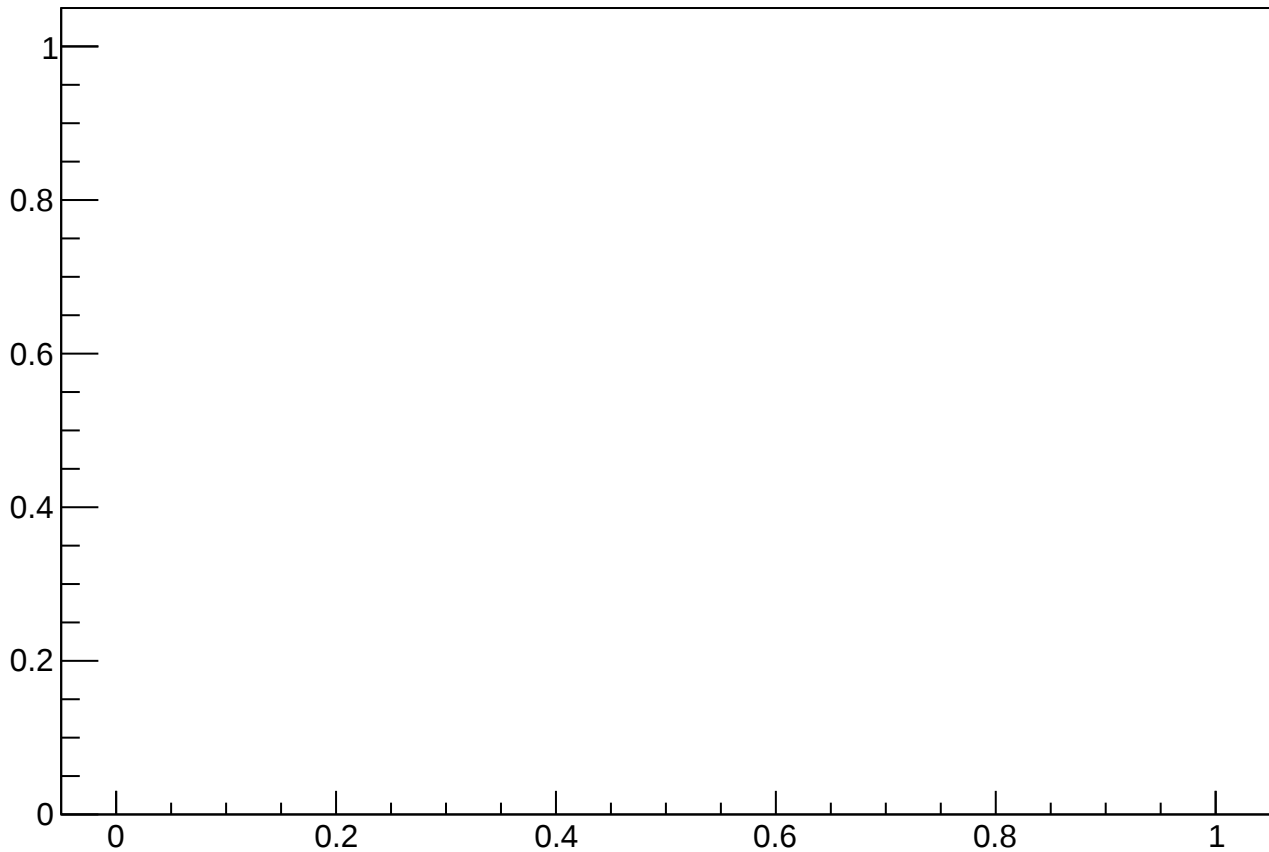
Right: 3670.458 $\pm$ 0.719 χ^2 /NDF: 931342.4/35

In: 4343.952 $\pm$ 0.639 χ^2 /NDF:1660945.4/39

Out: 4124.034 $\pm$ 0.600 χ^2 /NDF:2480133.8/42

All: 4227.223 $\pm$ 0.437 χ^2 /NDF: 4204044.7/82

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

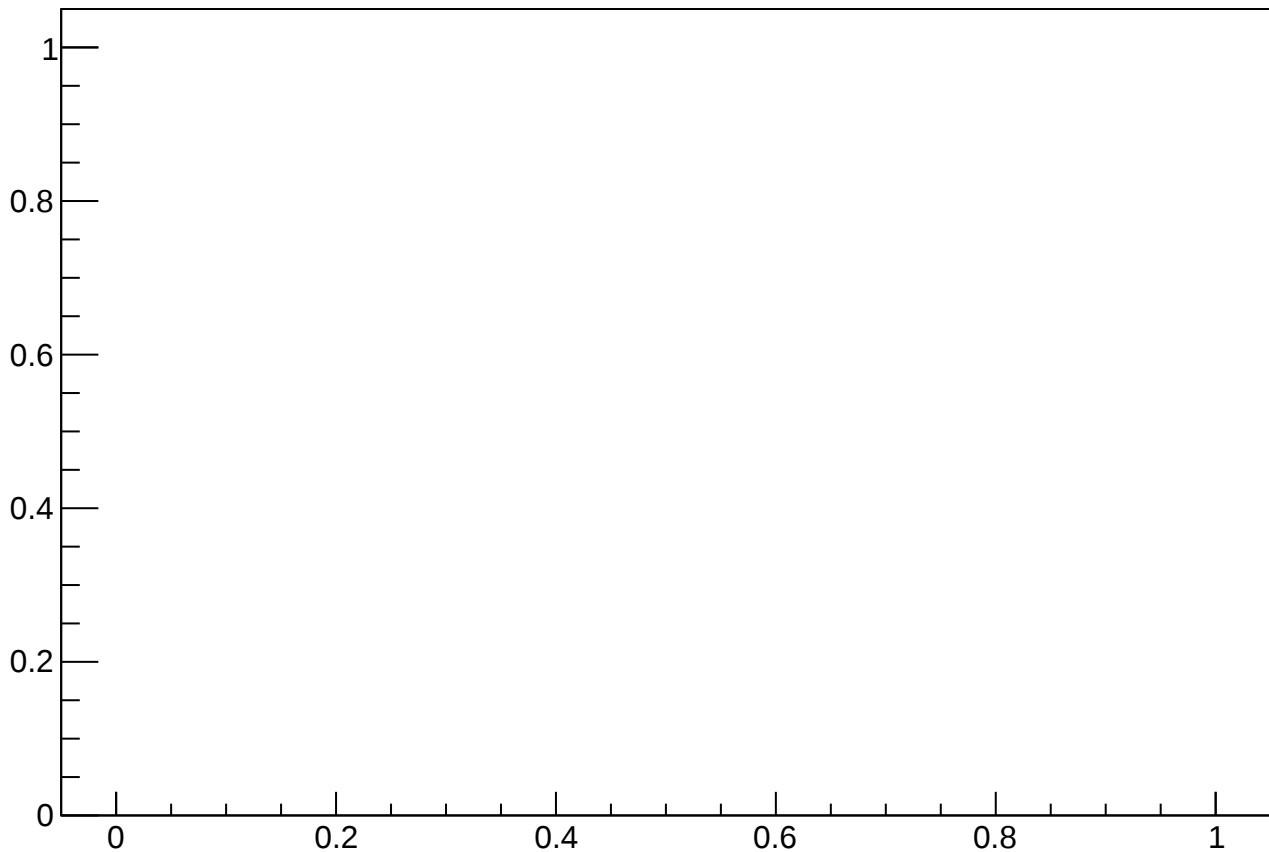
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

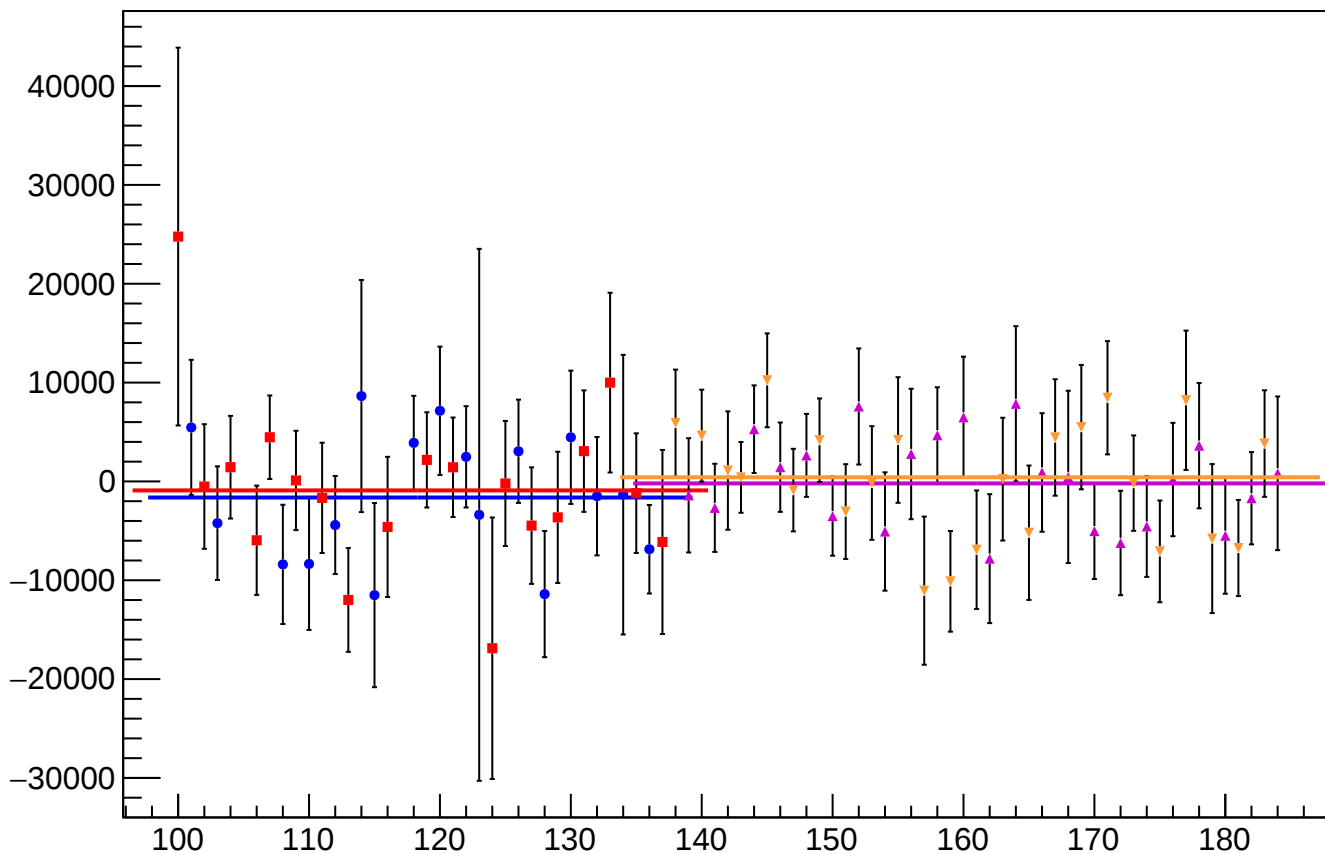
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\chi^2/\text{NDF}: 14.9/16$

Left Out: 419.687 ± 1082.147 $\chi^2/\text{NDF}: 26.4/23$

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: 121.370 ± 779.402 $\chi^2/\text{NDF}: 41.3/46$

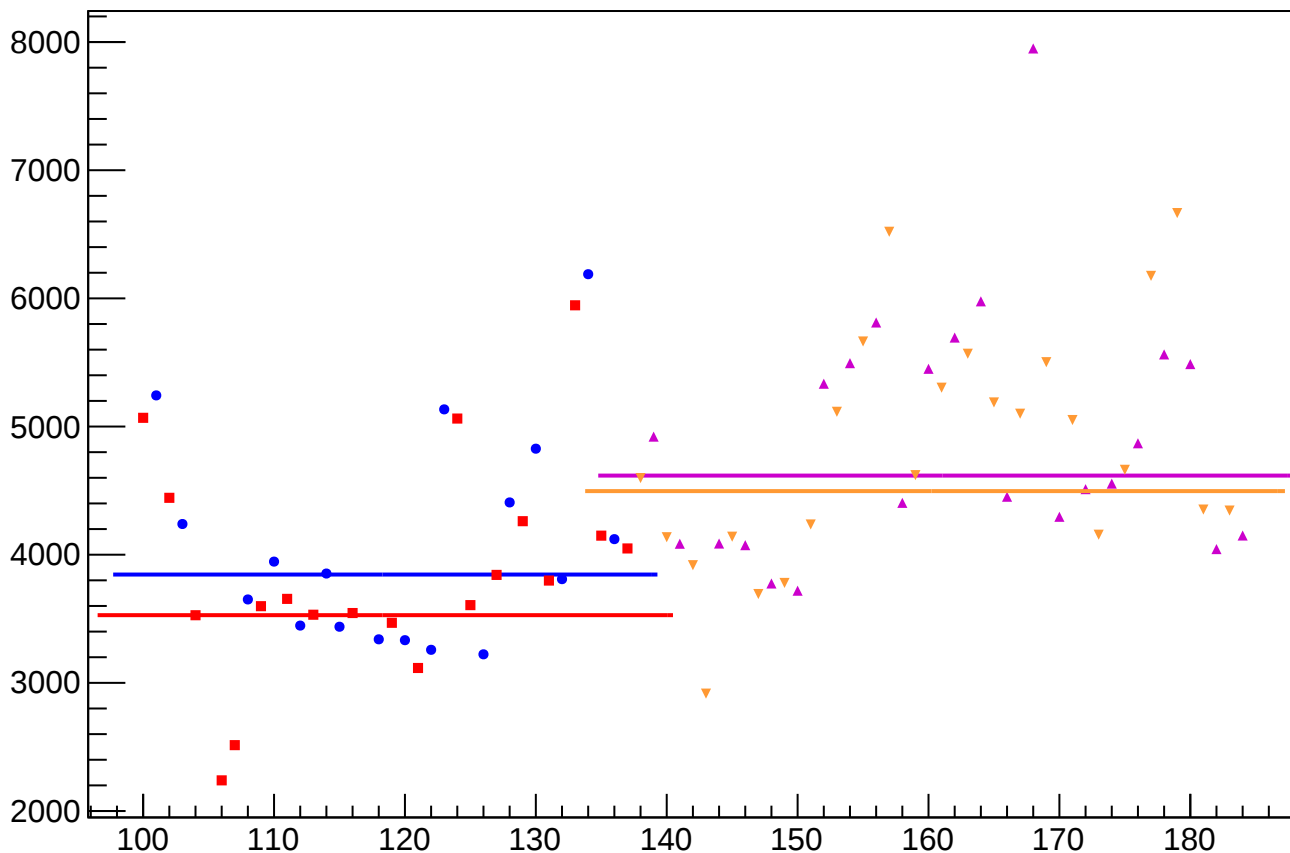
Right: -1233.883 ± 1021.768 $\chi^2/\text{NDF}: 29.1/35$

In: -705.278 ± 902.997 $\chi^2/\text{NDF}: 30.2/39$

Out: -85.023 ± 851.987 $\chi^2/\text{NDF}: 41.0/42$

All: -377.137 ± 619.694 $\chi^2/\text{NDF}: 71.5/82$

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: 4496.184 $\pm$ 0.765 χ^2 /NDF:1308606.5/23

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: 4554.469 $\pm$ 0.551 χ^2 /NDF: 2320261.9/46

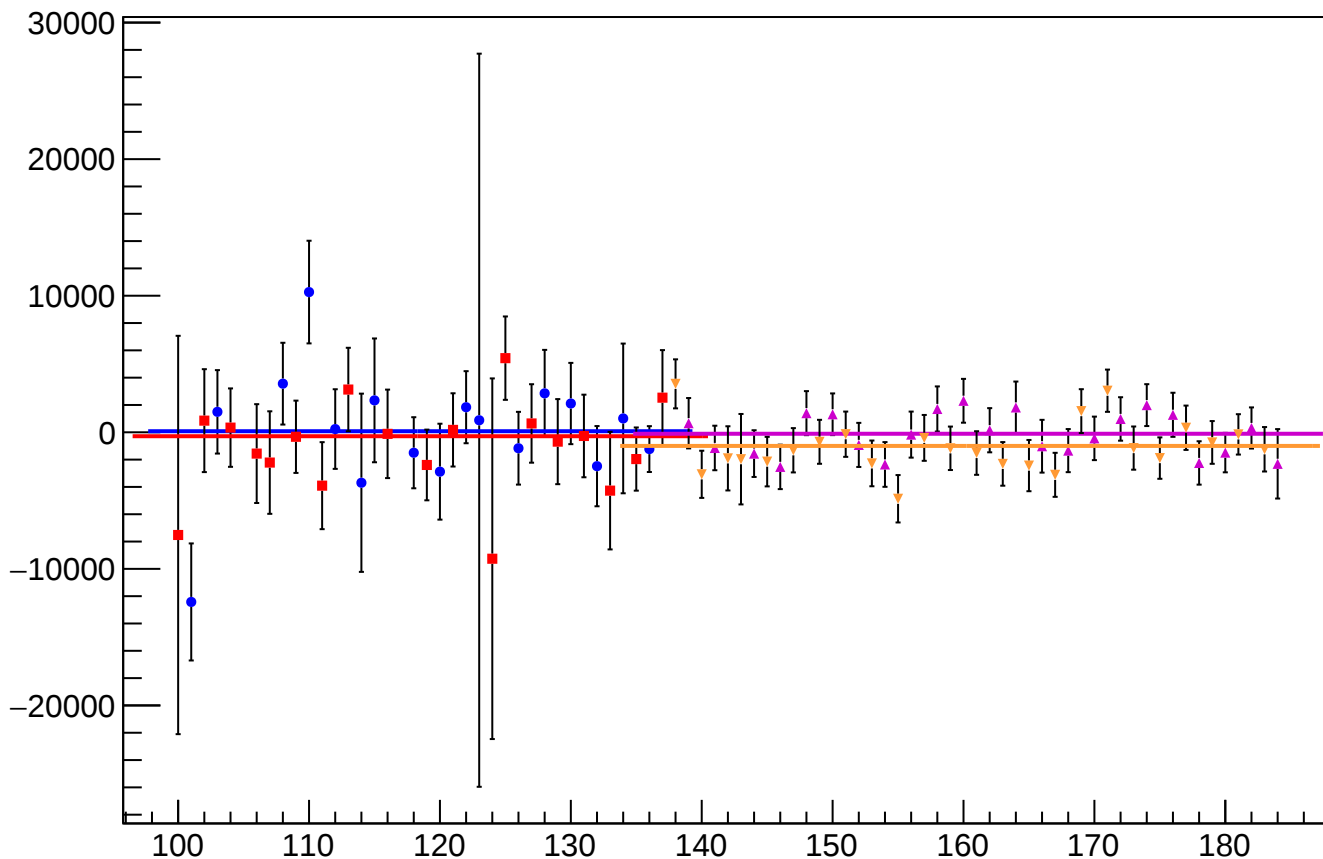
Right: 3670.458 $\pm$ 0.719 χ^2 /NDF: 931342.4/35

In: 4343.952 $\pm$ 0.639 χ^2 /NDF:1660945.4/39

Out: 4124.034 $\pm$ 0.600 χ^2 /NDF:2480133.8/42

All: 4227.223 $\pm$ 0.437 χ^2 /NDF: 4204044.7/82

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: -997.958+/-342.808 χ^2/NDF : 28.4/23

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: -553.844+/-242.704 χ^2/NDF : 51.2/46

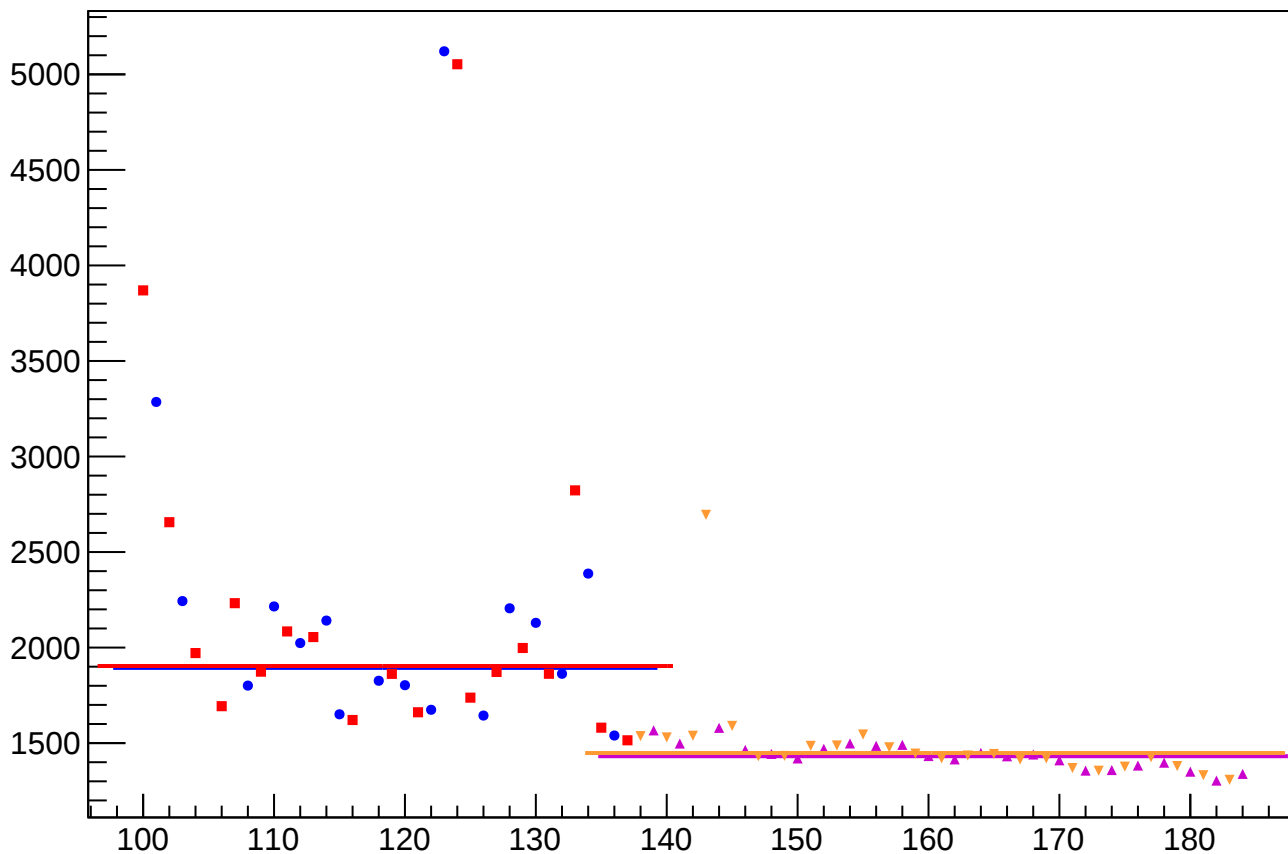
Right: -108.893+/-526.306 χ^2/NDF : 32.6/35

In: -75.485+/-312.630 χ^2/NDF : 41.9/39

Out: -871.366+/-310.758 χ^2/NDF : 39.3/42

All: -475.816+/-220.398 χ^2/NDF : 84.4/82

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: 1448.154 $\pm$ 0.242 χ^2 /NDF: 367622.1/23

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: 1439.825 $\pm$ 0.172 χ^2 /NDF: 445119.3/46

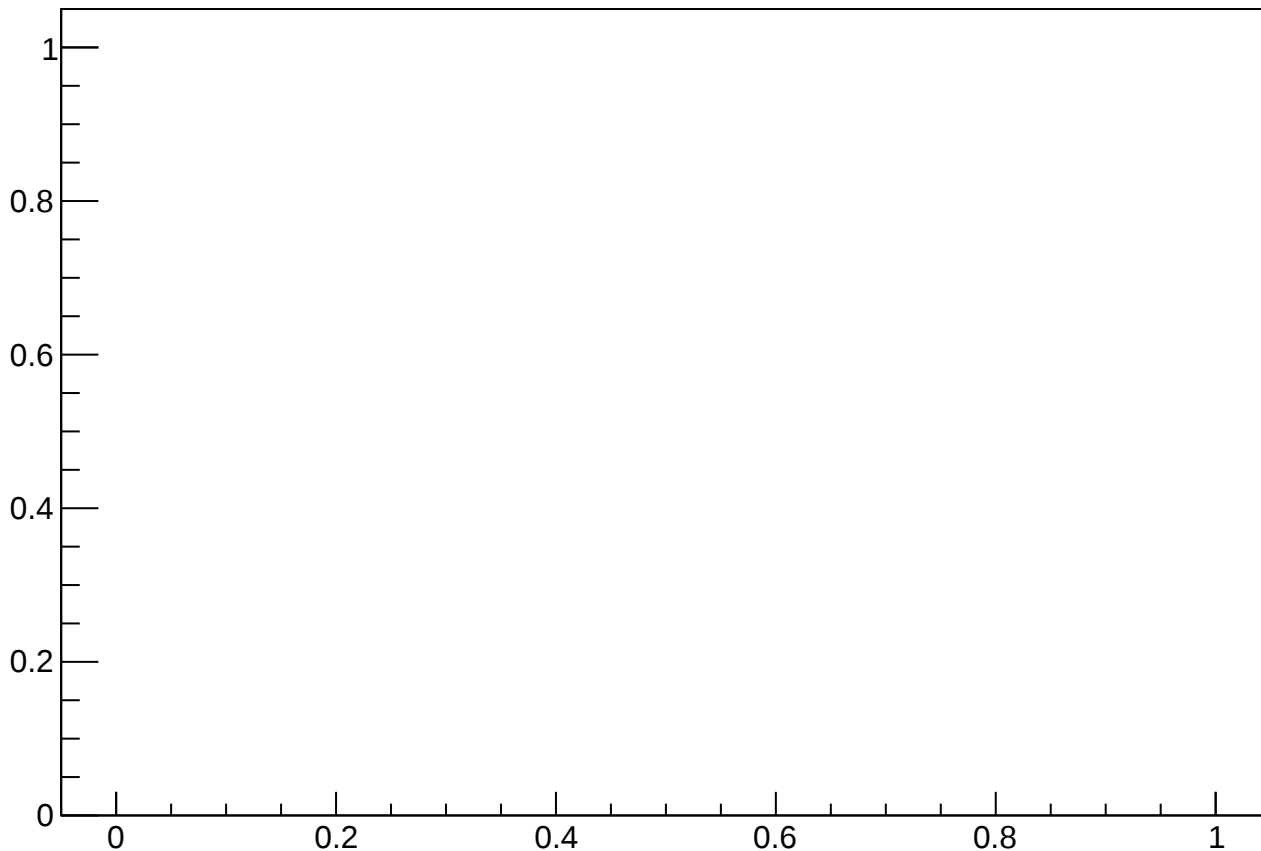
Right: 1898.746 $\pm$ 0.372 χ^2 /NDF: 926846.7/35

In: 1511.185 $\pm$ 0.221 χ^2 /NDF: 1165810.5/39

Out: 1529.316 $\pm$ 0.220 χ^2 /NDF: 1456776.0/42

All: 1520.305 $\pm$ 0.156 χ^2 /NDF: 2625969.9/82

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

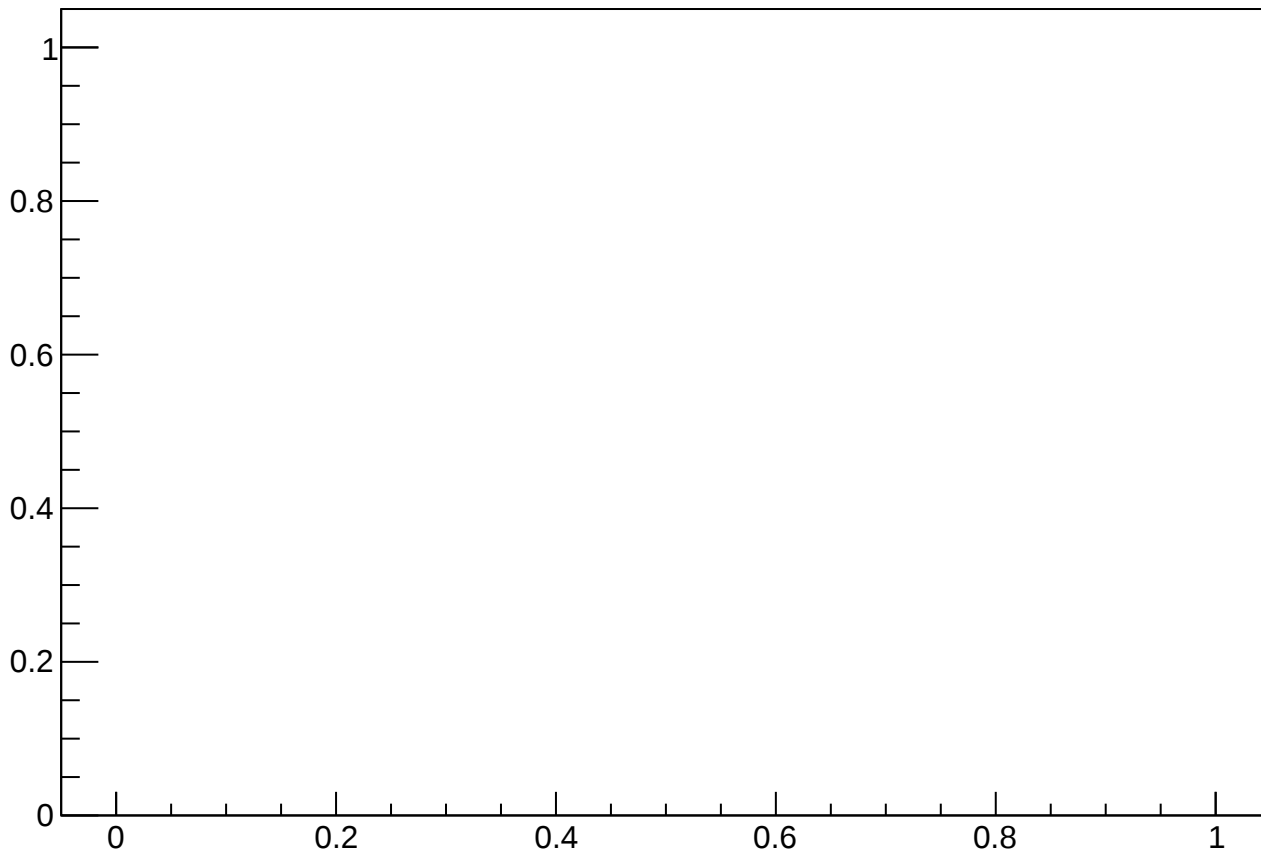
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

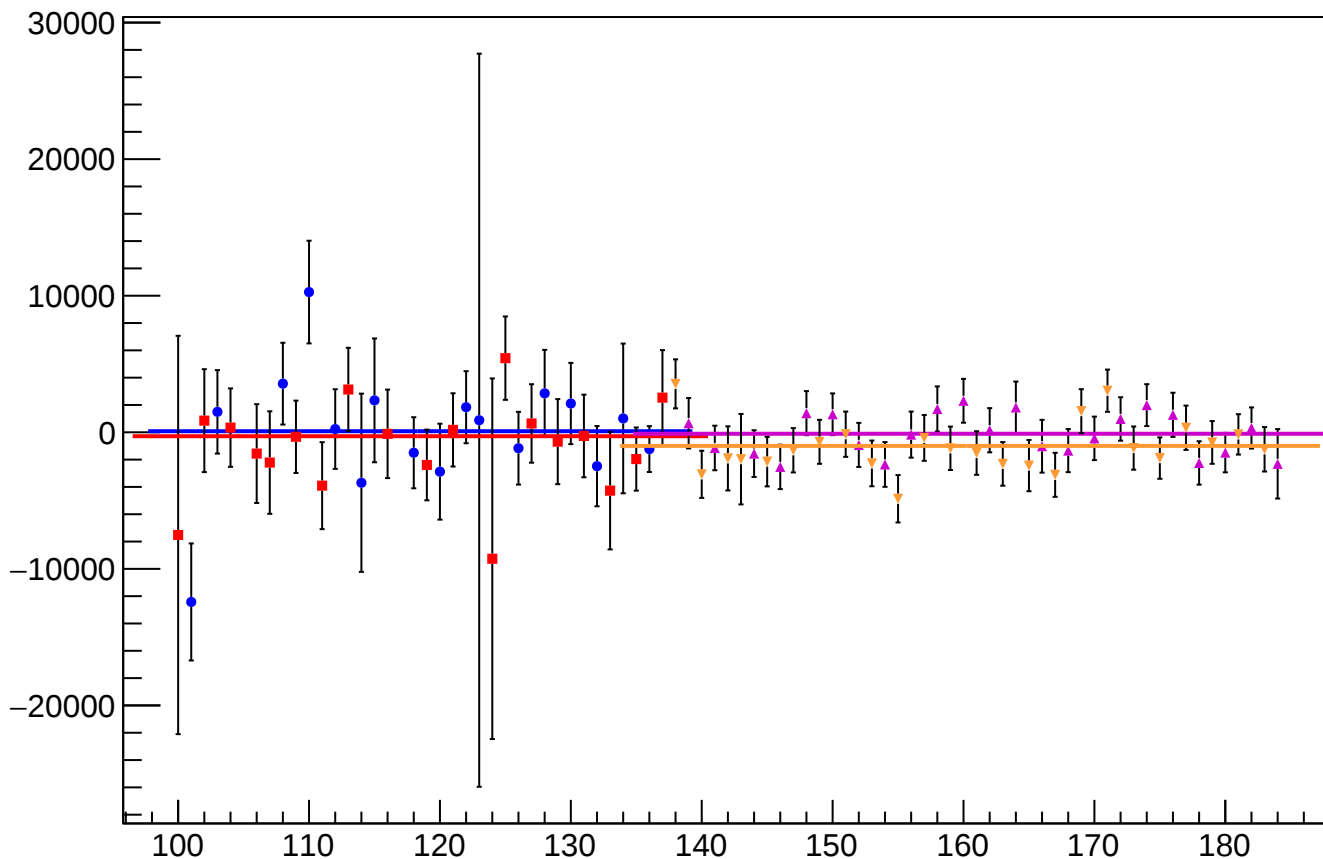
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\chi^2/\text{NDF}: 22.4/16$

Left Out: -997.958 ± 342.808 $\chi^2/\text{NDF}: 28.4/23$

Right Out: -287.747 ± 736.056 $\chi^2/\text{NDF}: 10.1/18$

Left In: -107.512 ± 343.663 $\chi^2/\text{NDF}: 19.5/22$

Left: -553.844 ± 242.704 $\chi^2/\text{NDF}: 51.2/46$

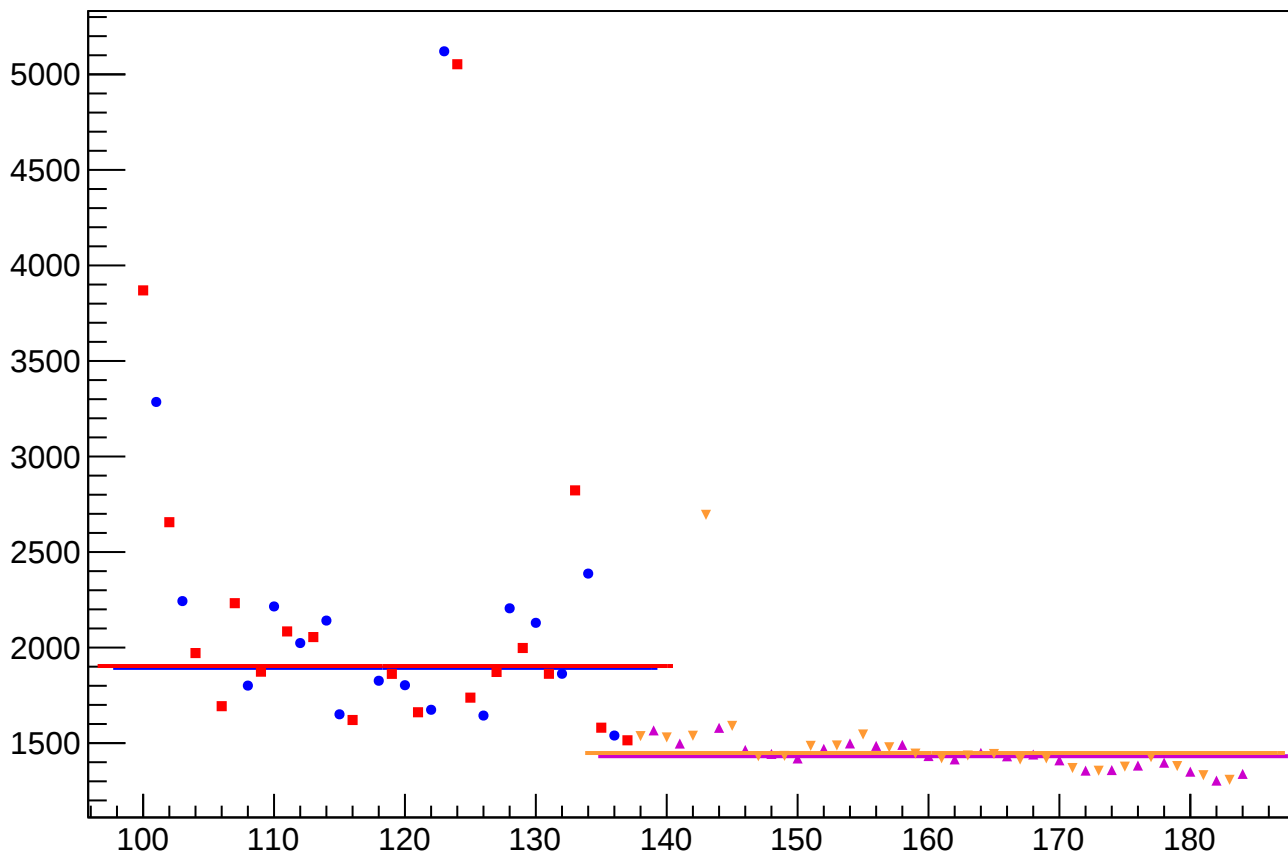
Right: -108.893 ± 526.306 $\chi^2/\text{NDF}: 32.6/35$

In: -75.485 ± 312.630 $\chi^2/\text{NDF}: 41.9/39$

Out: -871.366 ± 310.758 $\chi^2/\text{NDF}: 39.3/42$

All: -475.816 ± 220.398 $\chi^2/\text{NDF}: 84.4/82$

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: 1448.154 $\pm$ 0.242 χ^2 /NDF:367622.1/23

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: 1439.825 $\pm$ 0.172 χ^2 /NDF: 445119.3/46

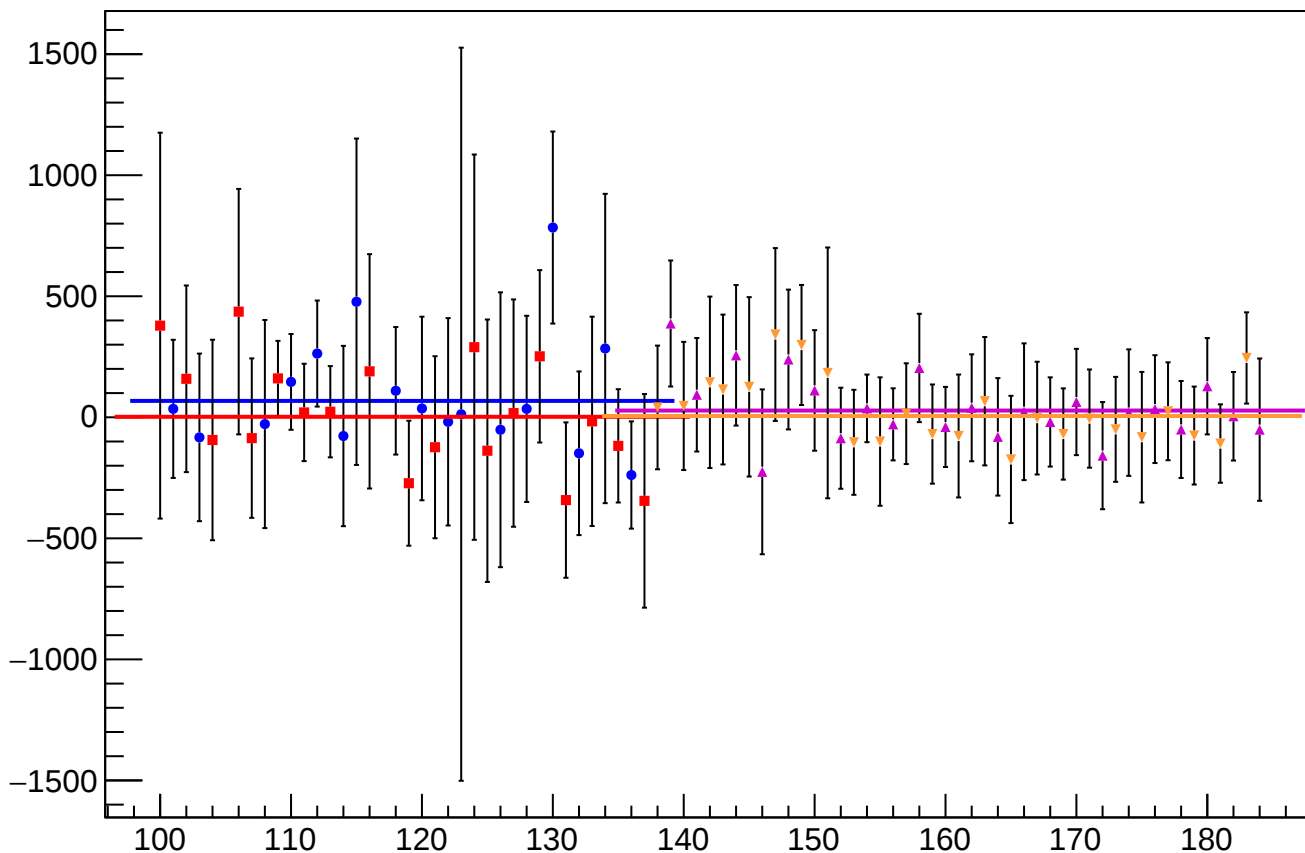
Right: 1898.746 $\pm$ 0.372 χ^2 /NDF: 926846.7/35

In: 1511.185 $\pm$ 0.221 χ^2 /NDF:1165810.5/39

Out: 1529.316 $\pm$ 0.220 χ^2 /NDF:1456776.0/42

All: 1520.305 $\pm$ 0.156 χ^2 /NDF: 2625969.9/82

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: 5.326 $\pm$ 48.178 χ^2 /NDF: 6.6/23

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: 17.513 $\pm$ 32.699 χ^2 /NDF: 13.3/46

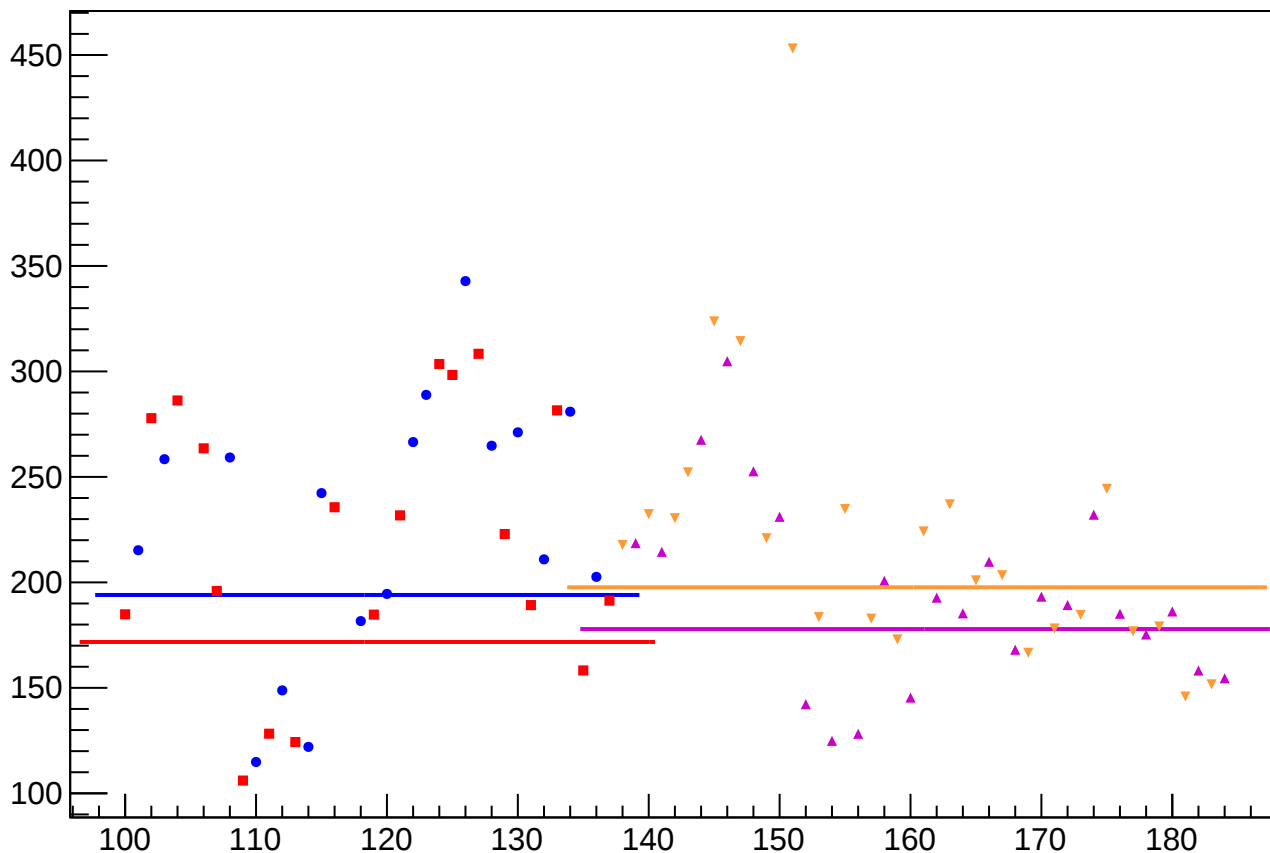
Right: 30.619 $\pm$ 52.642 χ^2 /NDF: 14.4/35

In: 37.369 $\pm$ 38.885 χ^2 /NDF: 14.3/39

Out: 4.277 $\pm$ 39.690 χ^2 /NDF: 13.0/42

All: 21.162 $\pm$ 27.776 χ^2 /NDF: 27.7/82

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: 197.656 $\pm$ 0.034 χ^2 /NDF:1730529.9/23

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: 186.988 $\pm$ 0.023 χ^2 /NDF: 3556419.6/46

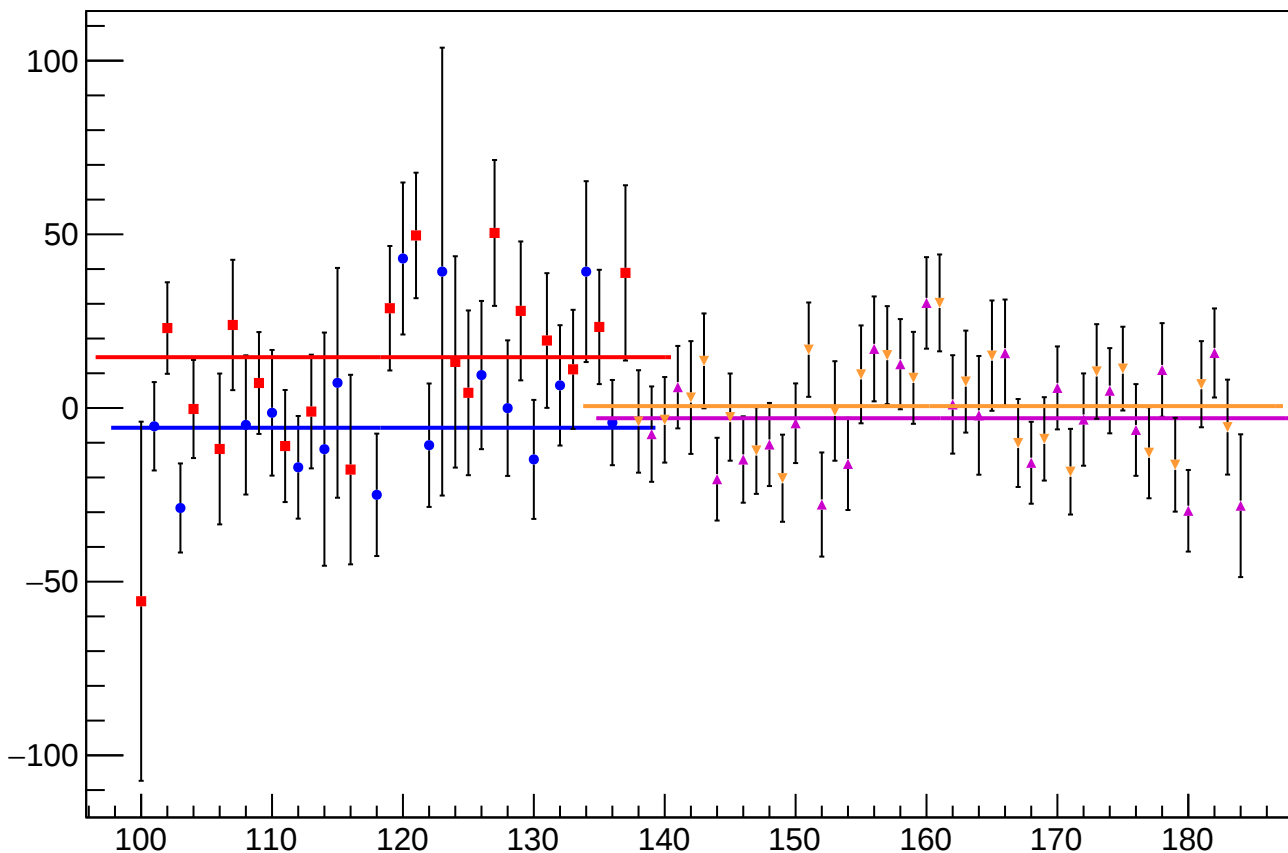
Right: 181.444 $\pm$ 0.037 χ^2 /NDF: 2671535.4/35

In: 181.710 $\pm$ 0.027 χ^2 /NDF:2718490.7/39

Out: 189.336 $\pm$ 0.028 χ^2 /NDF:3487806.0/42

All: 185.445 $\pm$ 0.020 χ^2 /NDF: 6243966.8/82

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.687 ± 4.361 χ^2/NDF : 15.2/16

Left Out: 0.542 ± 2.727 χ^2/NDF : 22.0/23

Right Out: 14.630 ± 4.271 χ^2/NDF : 19.4/18

Left In: -2.941 ± 2.745 χ^2/NDF : 31.0/22

Left: -1.188 ± 1.935 χ^2/NDF : 53.8/46

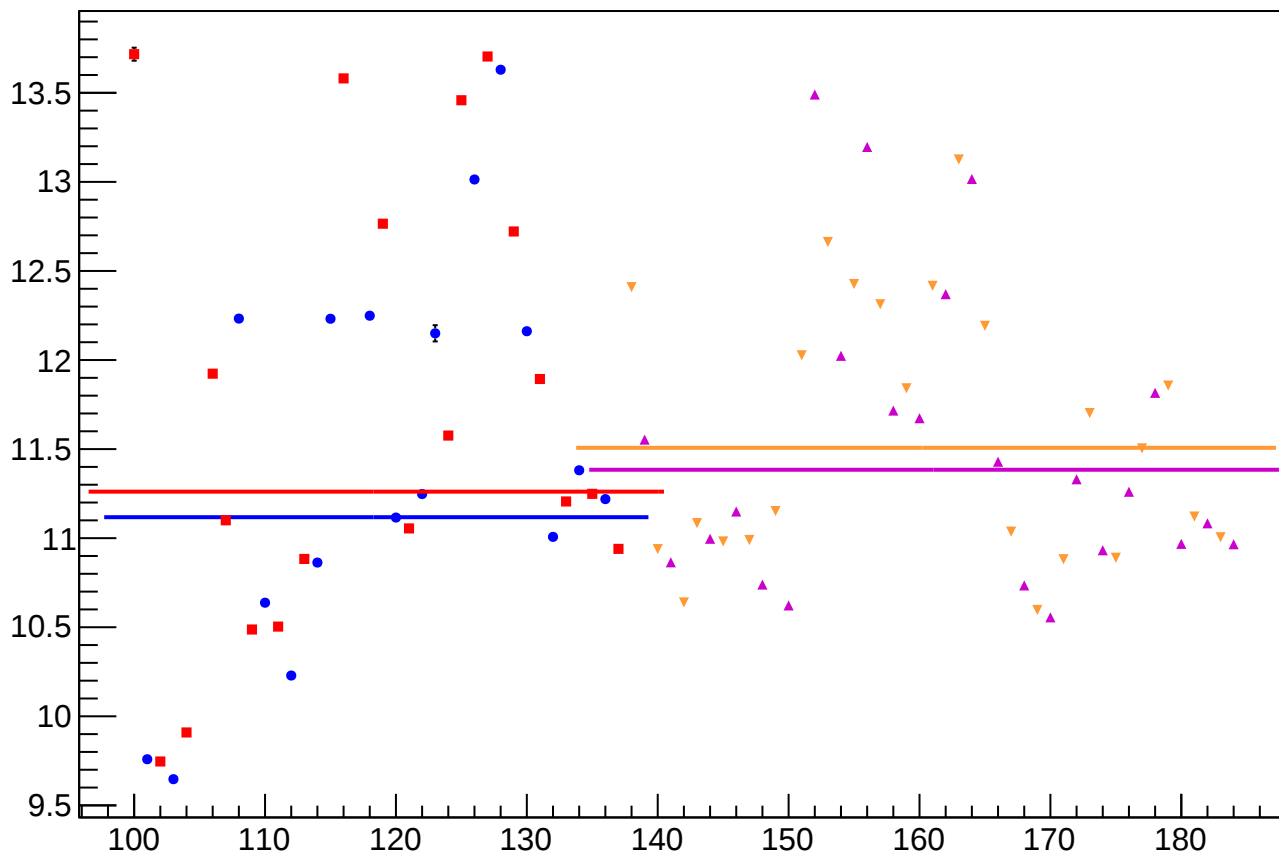
Right: 4.683 ± 3.052 χ^2/NDF : 45.7/35

In: -3.720 ± 2.323 χ^2/NDF : 46.5/39

Out: 4.622 ± 2.299 χ^2/NDF : 49.1/42

All: 0.495 ± 1.634 χ^2/NDF : 102.1/82

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: 11.507 $\pm$ 0.002 χ^2 /NDF:127733.8/23

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: 11.446 $\pm$ 0.001 χ^2 /NDF: 279562.4/46

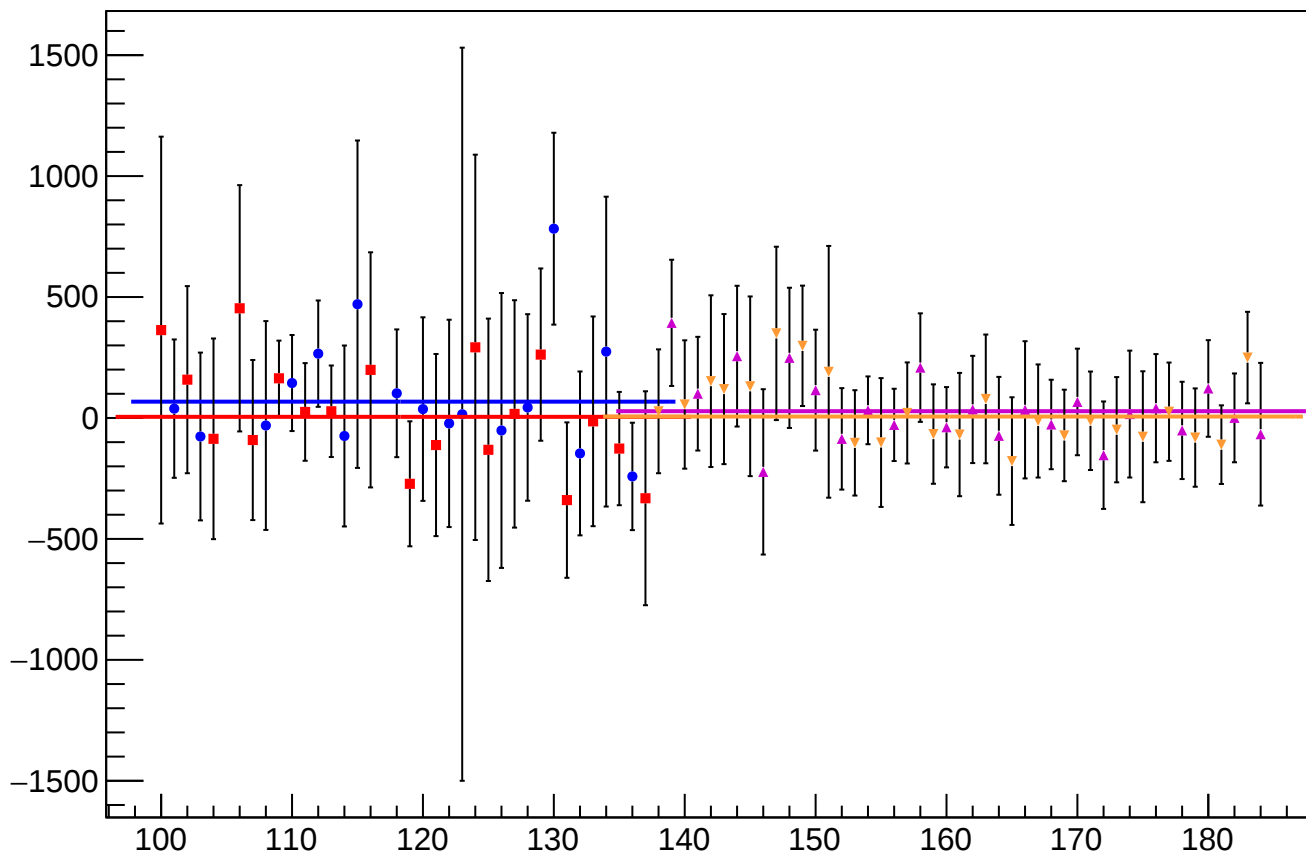
Right: 11.191 $\pm$ 0.002 χ^2 /NDF: 281753.5/35

In: 11.309 $\pm$ 0.002 χ^2 /NDF:287094.4/39

Out: 11.436 $\pm$ 0.002 χ^2 /NDF:281151.3/42

All: 11.373 $\pm$ 0.001 χ^2 /NDF: 571291.2/82

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: 5.868 $\pm$ 48.357 χ^2 /NDF:6.8/23

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: 17.834 $\pm$ 32.817 χ^2 /NDF: 13.5/46

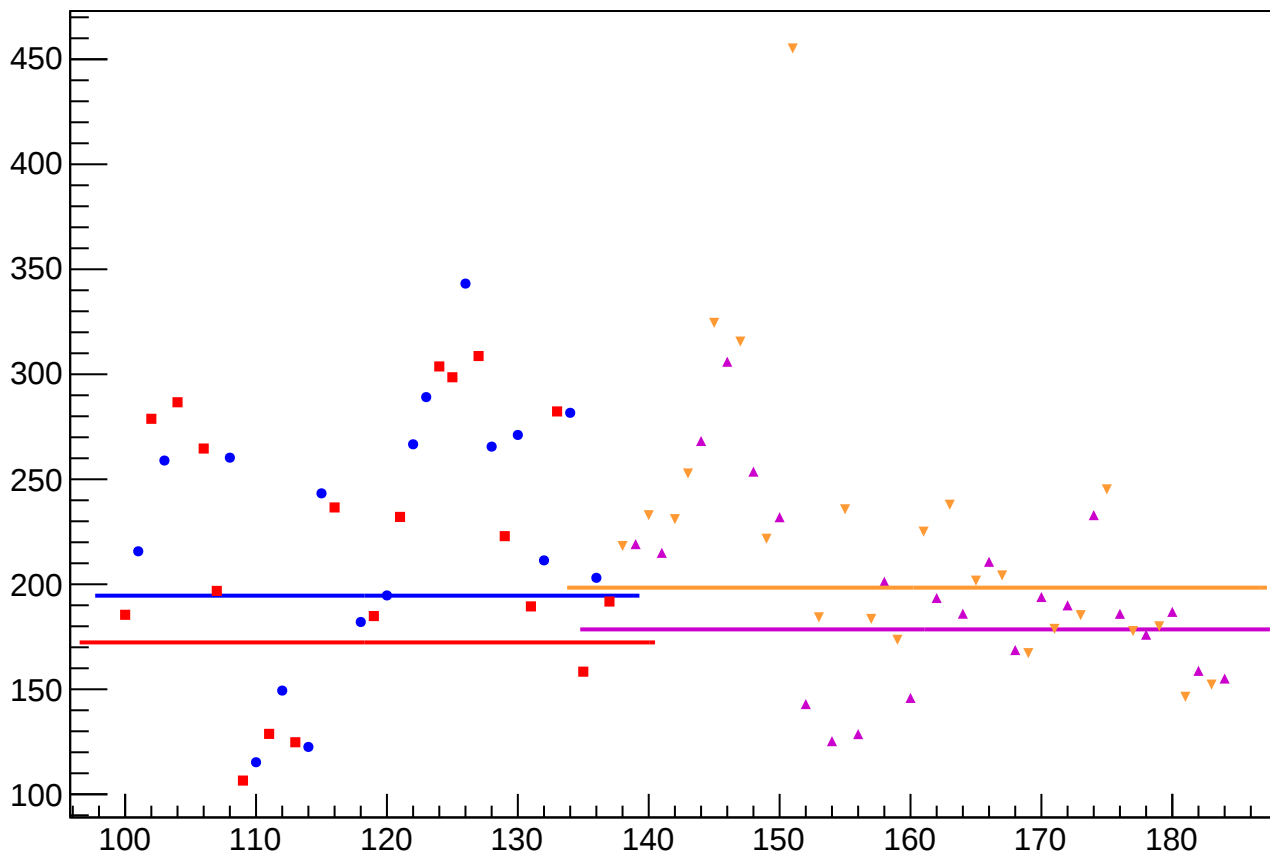
Right: 32.005 $\pm$ 52.789 χ^2 /NDF: 14.4/35

In: 37.412 $\pm$ 39.015 χ^2 /NDF:14.3/39

Out: 5.499 $\pm$ 39.828 χ^2 /NDF:13.3/42

All: 21.784 $\pm$ 27.871 χ^2 /NDF: 27.9/82

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: 198.395 $\pm$ 0.034 χ^2 /NDF:1728007.4/23

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: 187.669 $\pm$ 0.023 χ^2 /NDF: 3552717.3/46

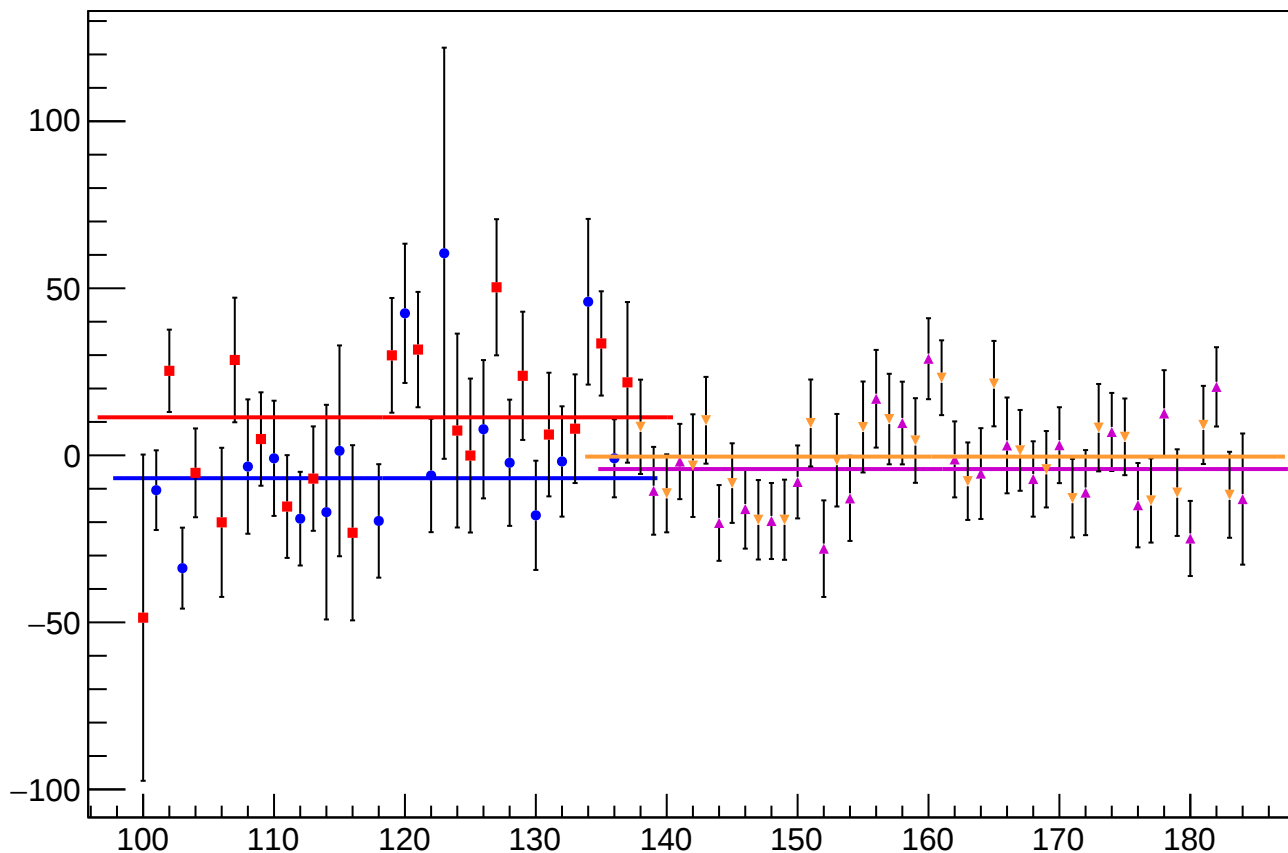
Right: 181.998 $\pm$ 0.037 χ^2 /NDF: 2658784.2/35

In: 182.330 $\pm$ 0.028 χ^2 /NDF:2710748.6/39

Out: 190.006 $\pm$ 0.028 χ^2 /NDF:3479493.0/42

All: 186.089 $\pm$ 0.020 χ^2 /NDF: 6228152.5/82

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.841 ± 4.162 $\chi^2/\text{NDF}: 19.4/16$

Left Out: -0.384 ± 2.548 $\chi^2/\text{NDF}: 22.3/23$

Right Out: 11.383 ± 4.086 $\chi^2/\text{NDF}: 22.7/18$

Left In: -4.107 ± 2.577 $\chi^2/\text{NDF}: 31.5/22$

Left: -2.224 ± 1.812 $\chi^2/\text{NDF}: 54.9/46$

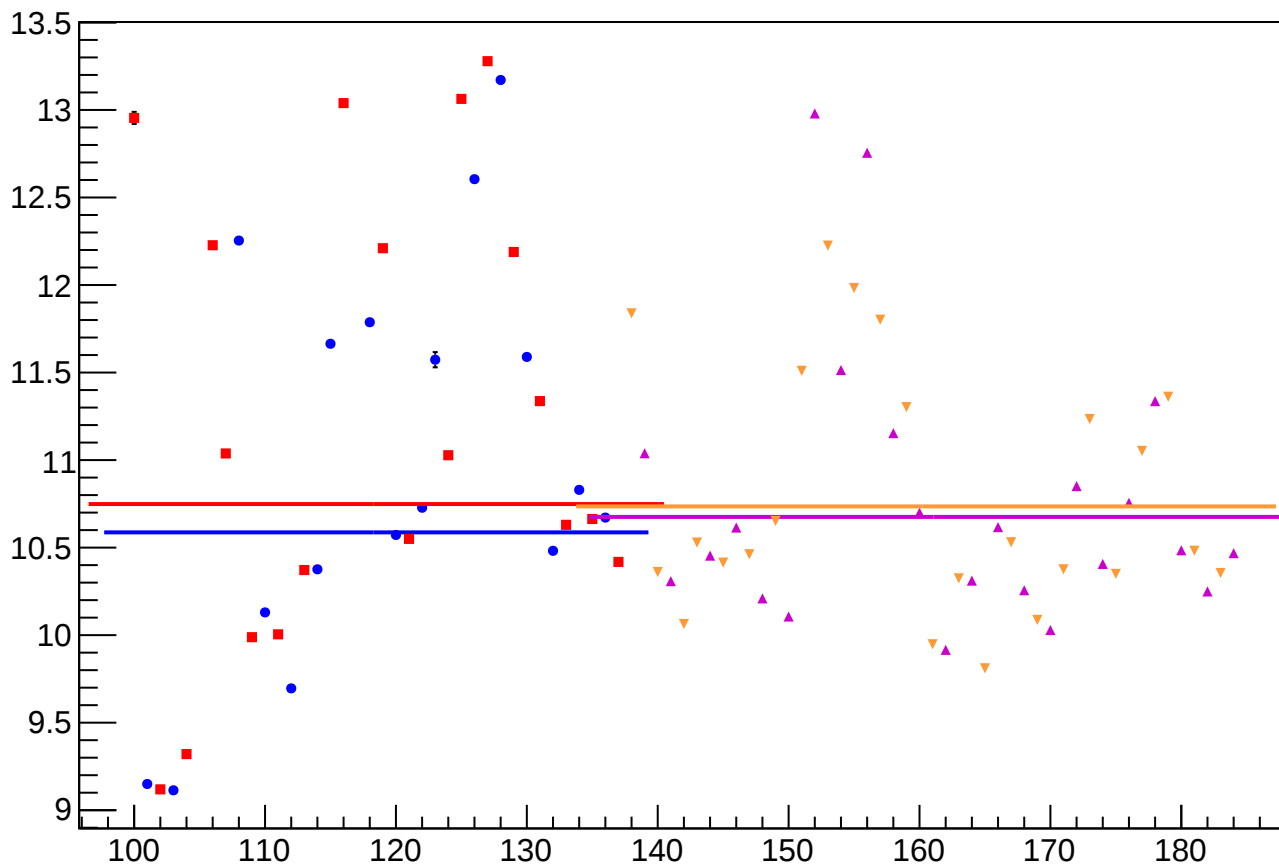
Right: 2.439 ± 2.915 $\chi^2/\text{NDF}: 51.9/35$

In: -4.865 ± 2.191 $\chi^2/\text{NDF}: 51.2/39$

Out: 2.911 ± 2.162 $\chi^2/\text{NDF}: 51.0/42$

All: -0.925 ± 1.539 $\chi^2/\text{NDF}: 108.6/82$

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: 10.735 $\pm$ 0.002 χ^2 /NDF:130139.8/23

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: 10.706 $\pm$ 0.001 χ^2 /NDF: 276624.3/46

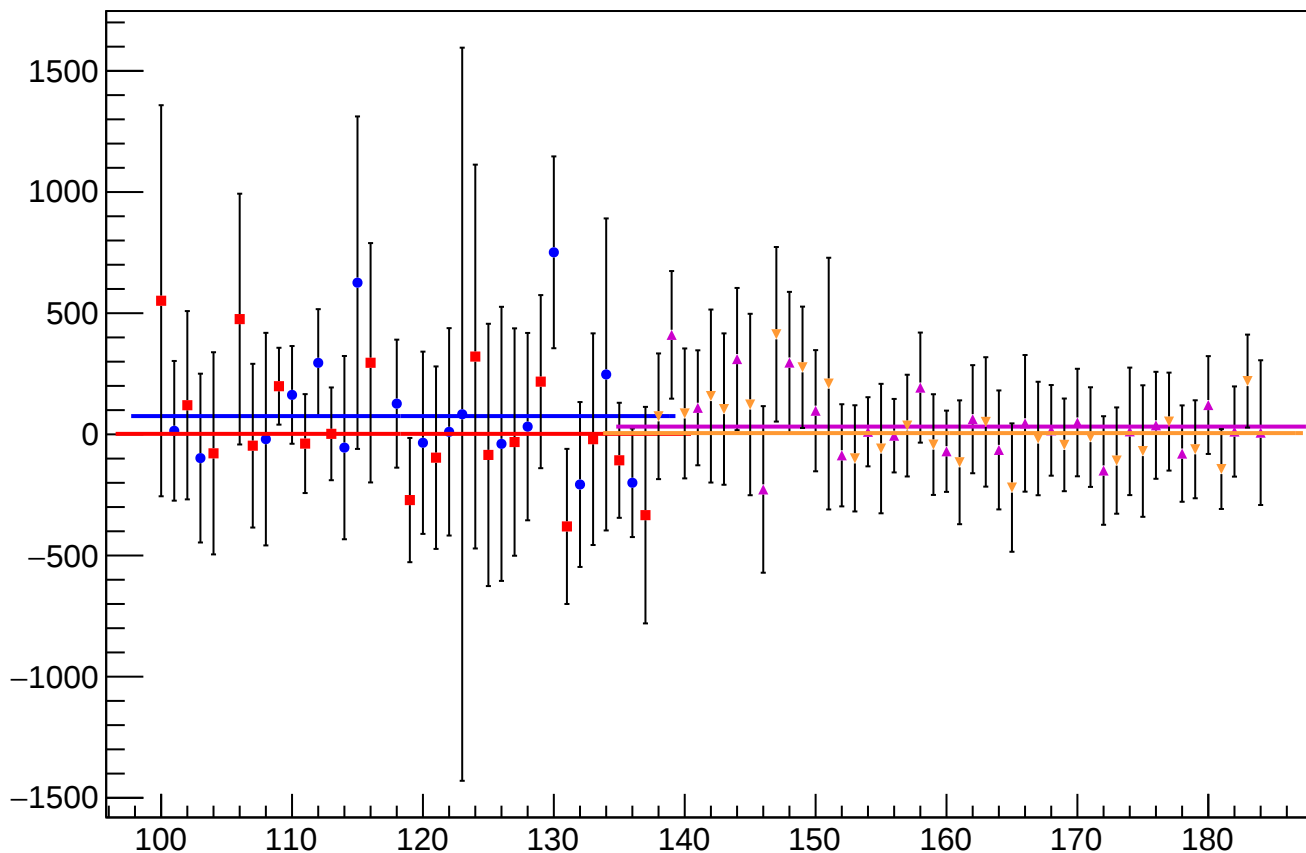
Right: 10.669 $\pm$ 0.002 χ^2 /NDF: 338945.8/35

In: 10.651 $\pm$ 0.002 χ^2 /NDF:305812.8/39

Out: 10.739 $\pm$ 0.002 χ^2 /NDF:308339.2/42

All: 10.696 $\pm$ 0.001 χ^2 /NDF: 615793.4/82

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.370 $\pm$ 80.583 χ^2 /NDF: 7.7/16

Left Out: 5.192 $\pm$ 48.671 χ^2 /NDF:7.1/23

Right Out: 2.048 $\pm$ 70.896 χ^2 /NDF: 7.3/18

Left In: 31.989 $\pm$ 45.038 χ^2 /NDF:7.2/22

Left: 19.628 $\pm$ 33.057 χ^2 /NDF: 14.5/46

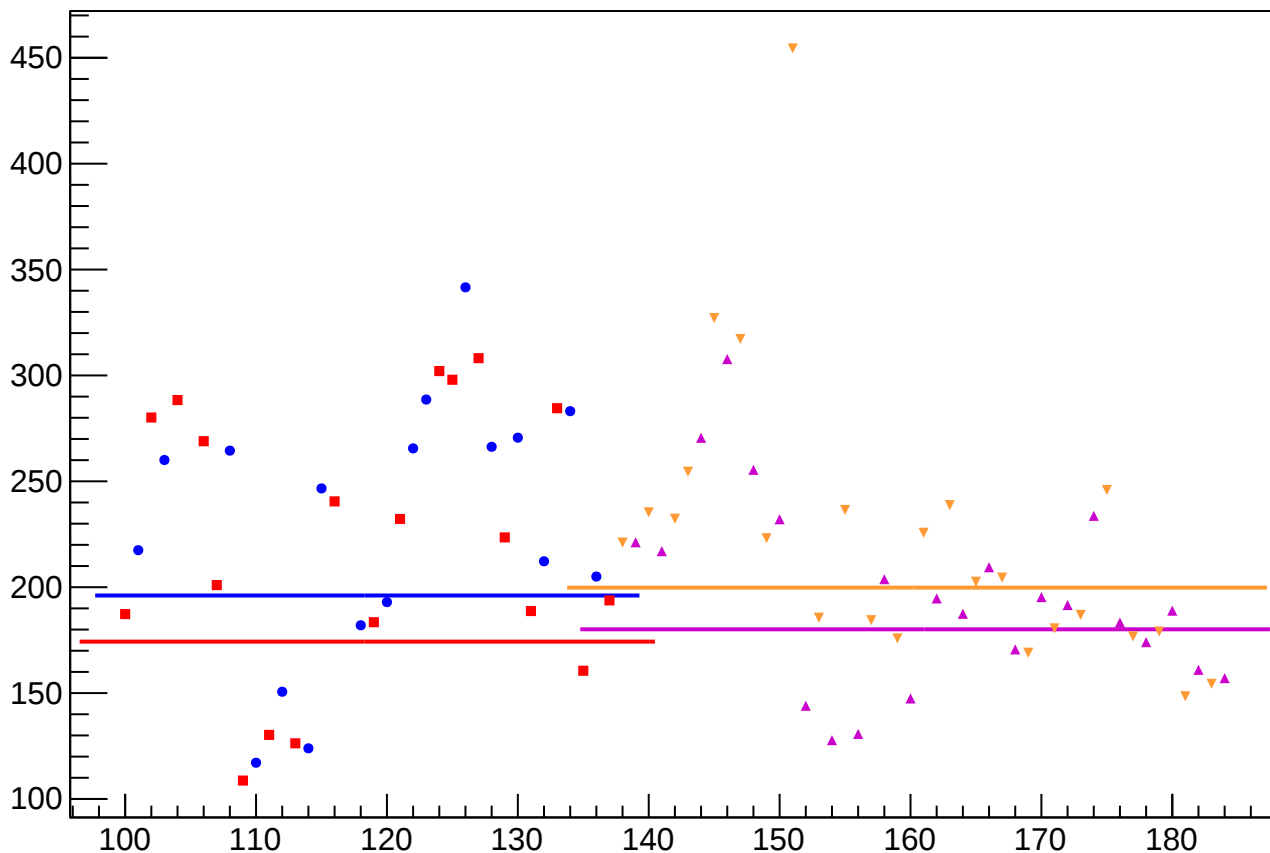
Right: 34.039 $\pm$ 53.228 χ^2 /NDF: 15.5/35

In: 42.314 $\pm$ 39.315 χ^2 /NDF:15.1/39

Out: 4.185 $\pm$ 40.125 χ^2 /NDF:14.5/42

All: 23.639 $\pm$ 28.082 χ^2 /NDF: 30.0/82

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: 199.814 $\pm$ 0.034 χ^2 /NDF:1702477.3/23

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: 189.206 $\pm$ 0.023 χ^2 /NDF: 3472665.4/46

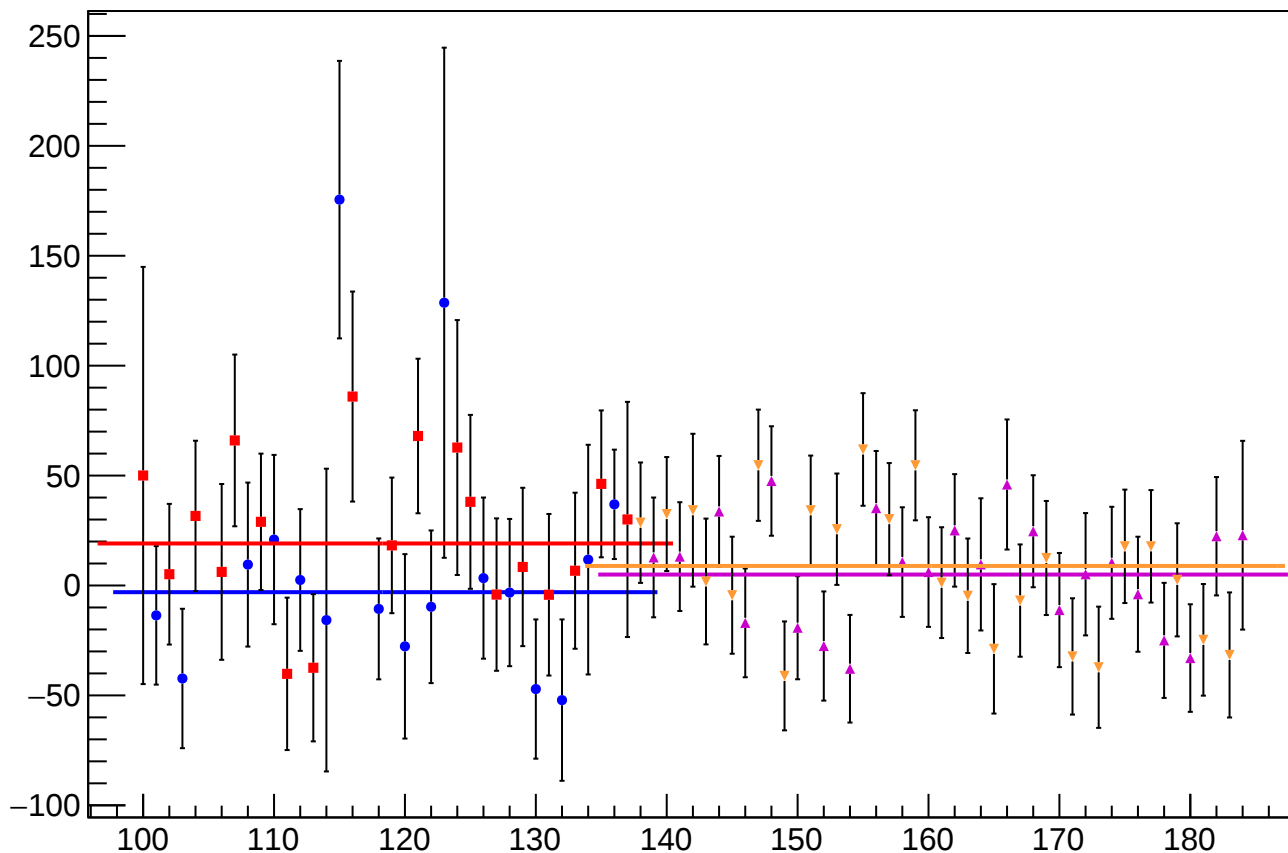
Right: 183.806 $\pm$ 0.038 χ^2 /NDF: 2587403.7/35

In: 183.922 $\pm$ 0.028 χ^2 /NDF:2634773.0/39

Out: 191.641 $\pm$ 0.028 χ^2 /NDF:3402389.5/42

All: 187.703 $\pm$ 0.020 χ^2 /NDF: 6074925.1/82

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: 8.892 ± 5.377 χ^2/NDF : 31.0/23

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: 6.957 ± 3.826 χ^2/NDF : 51.7/46

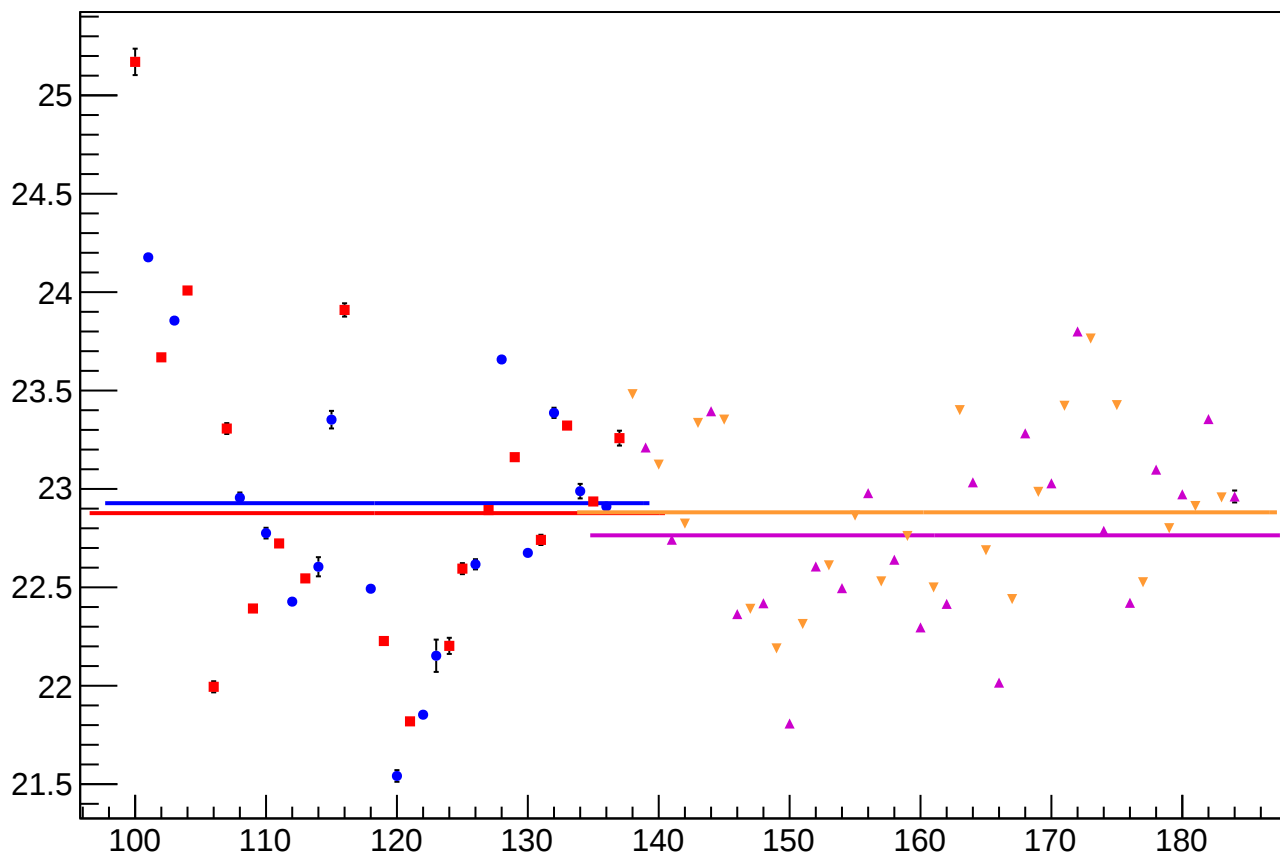
Right: 8.449 ± 6.175 χ^2/NDF : 35.9/35

In: 2.790 ± 4.644 χ^2/NDF : 39.4/39

Out: 11.776 ± 4.555 χ^2/NDF : 46.4/42

All: 7.371 ± 3.252 χ^2/NDF : 87.7/82

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: 22.881 $\pm$ 0.004 χ^2 /NDF:12440.4/23

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: 22.823 $\pm$ 0.003 χ^2 /NDF: 27573.2/46

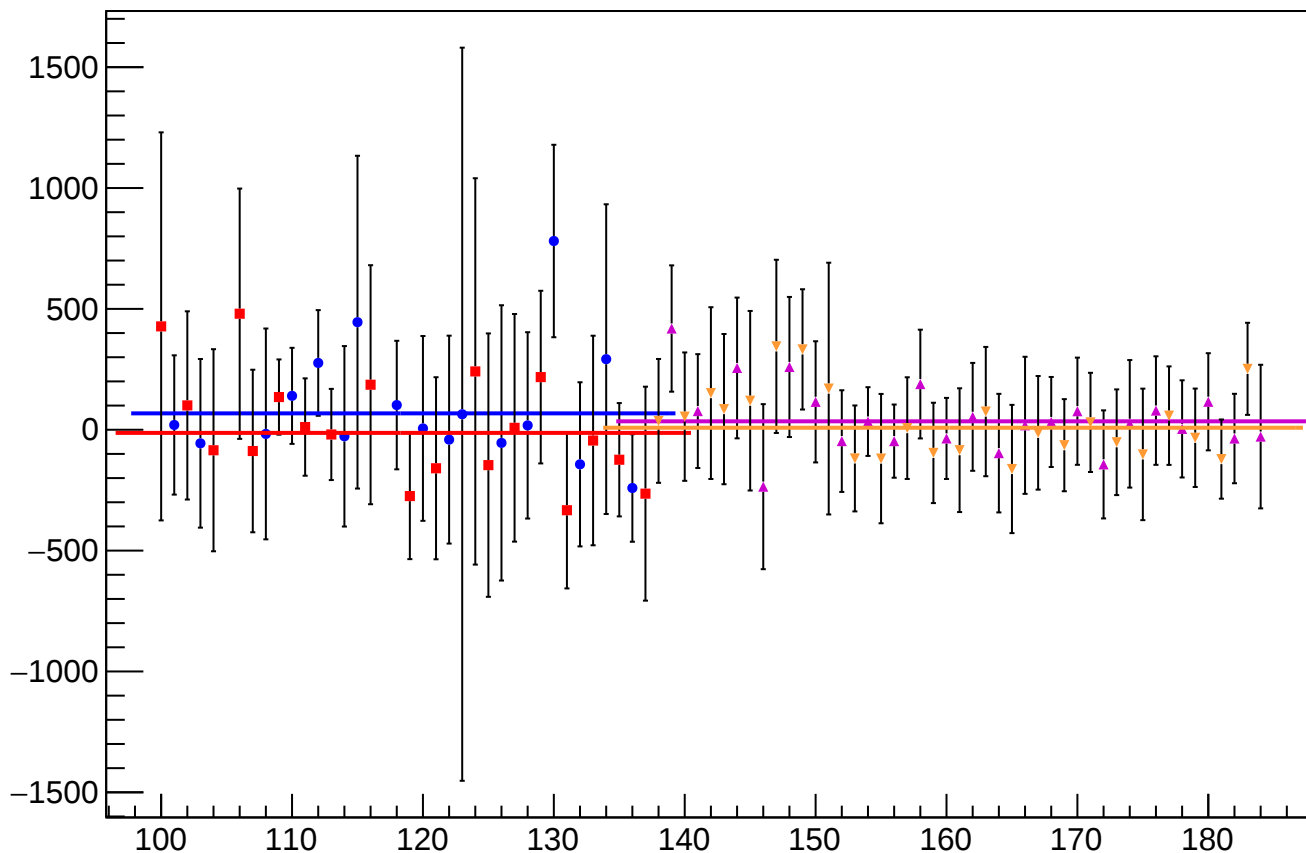
Right: 22.901 $\pm$ 0.004 χ^2 /NDF: 22733.3/35

In: 22.809 $\pm$ 0.003 χ^2 /NDF:26756.9/39

Out: 22.880 $\pm$ 0.003 χ^2 /NDF:23539.7/42

All: 22.845 $\pm$ 0.002 χ^2 /NDF: 50536.7/82

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: 8.296 $\pm$ 48.595 χ^2 /NDF:7.2/23

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: 22.637 $\pm$ 33.006 χ^2 /NDF: 14.0/46

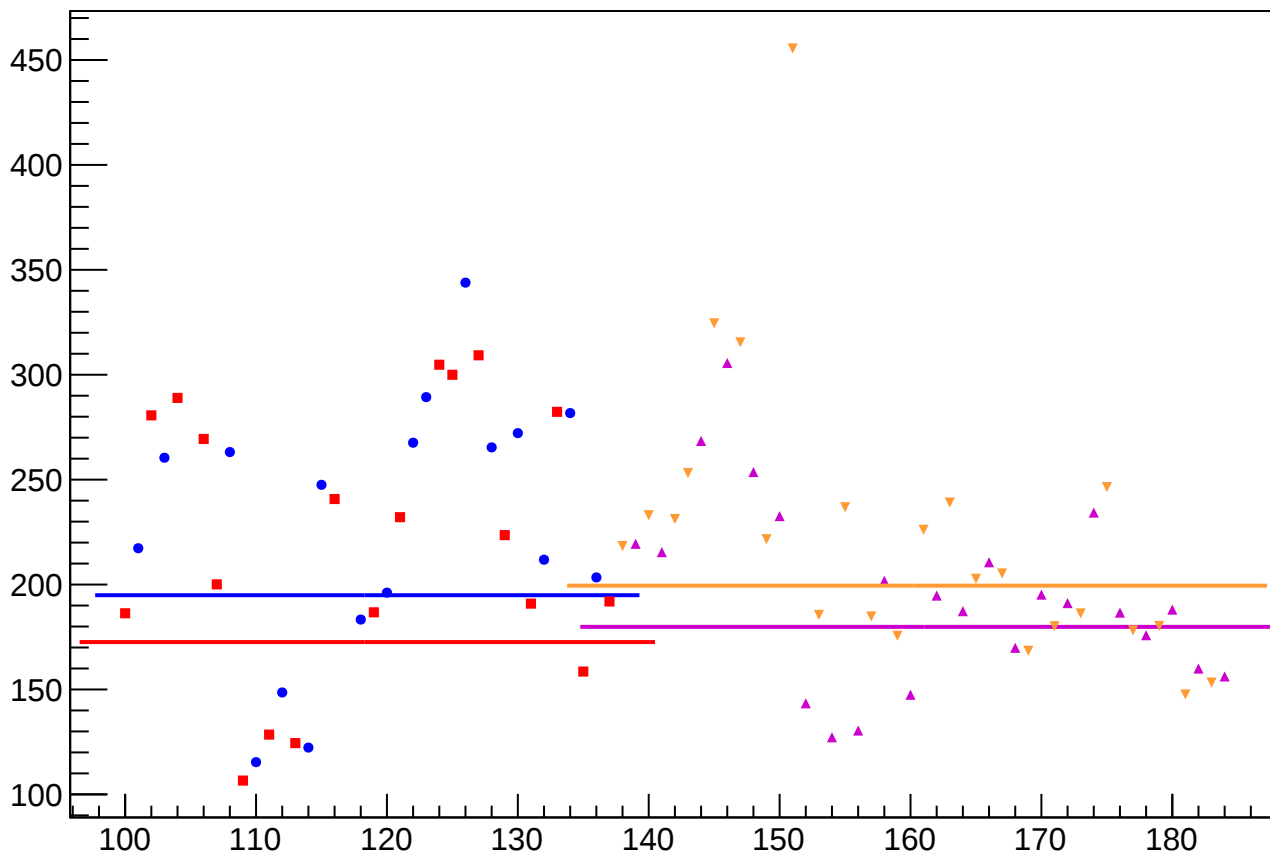
Right: 22.136 $\pm$ 52.915 χ^2 /NDF: 13.7/35

In: 42.775 $\pm$ 39.228 χ^2 /NDF:14.1/39

Out: 1.421 $\pm$ 39.992 χ^2 /NDF:13.0/42

All: 22.497 $\pm$ 28.005 χ^2 /NDF: 27.7/82

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.927 ± 0.057 $\chi^2/\text{NDF}: 1021893.7/16$

Left Out: 199.486 ± 0.034 $\chi^2/\text{NDF}: 1699554.5/23$

Right Out: 172.594 ± 0.050 $\chi^2/\text{NDF}: 1591420.0/18$

Left In: 179.839 ± 0.032 $\chi^2/\text{NDF}: 1588834.3/22$

Left: 188.903 ± 0.023 $\chi^2/\text{NDF}: 3464489.5/46$

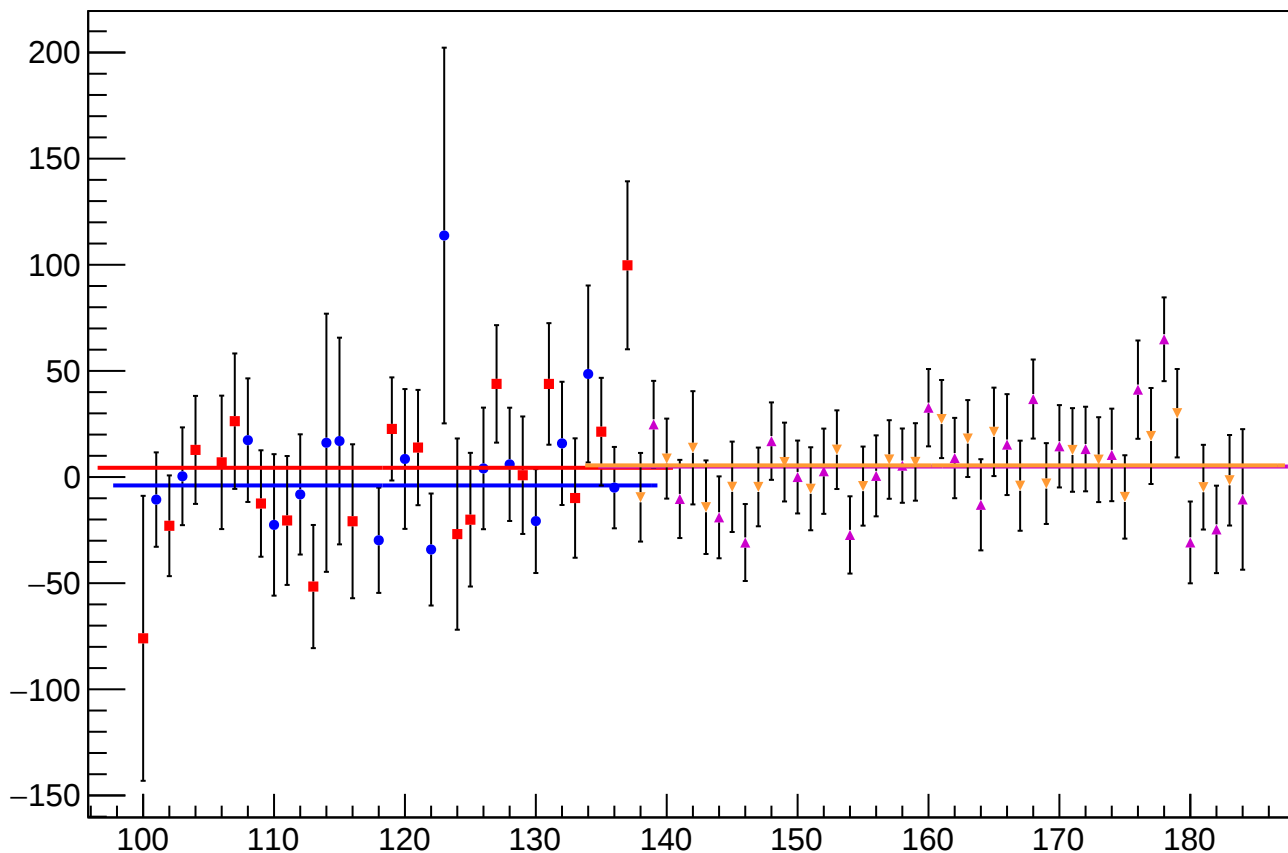
Right: 182.309 ± 0.037 $\chi^2/\text{NDF}: 2700872.6/35$

In: 183.446 ± 0.028 $\chi^2/\text{NDF}: 2664548.5/39$

Out: 190.807 ± 0.028 $\chi^2/\text{NDF}: 3488637.9/42$

All: 187.056 ± 0.020 $\chi^2/\text{NDF}: 6187719.4/82$

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: 5.492 ± 4.054 χ^2/NDF : 8.5/23

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: 5.221 ± 2.885 χ^2/NDF : 43.3/46

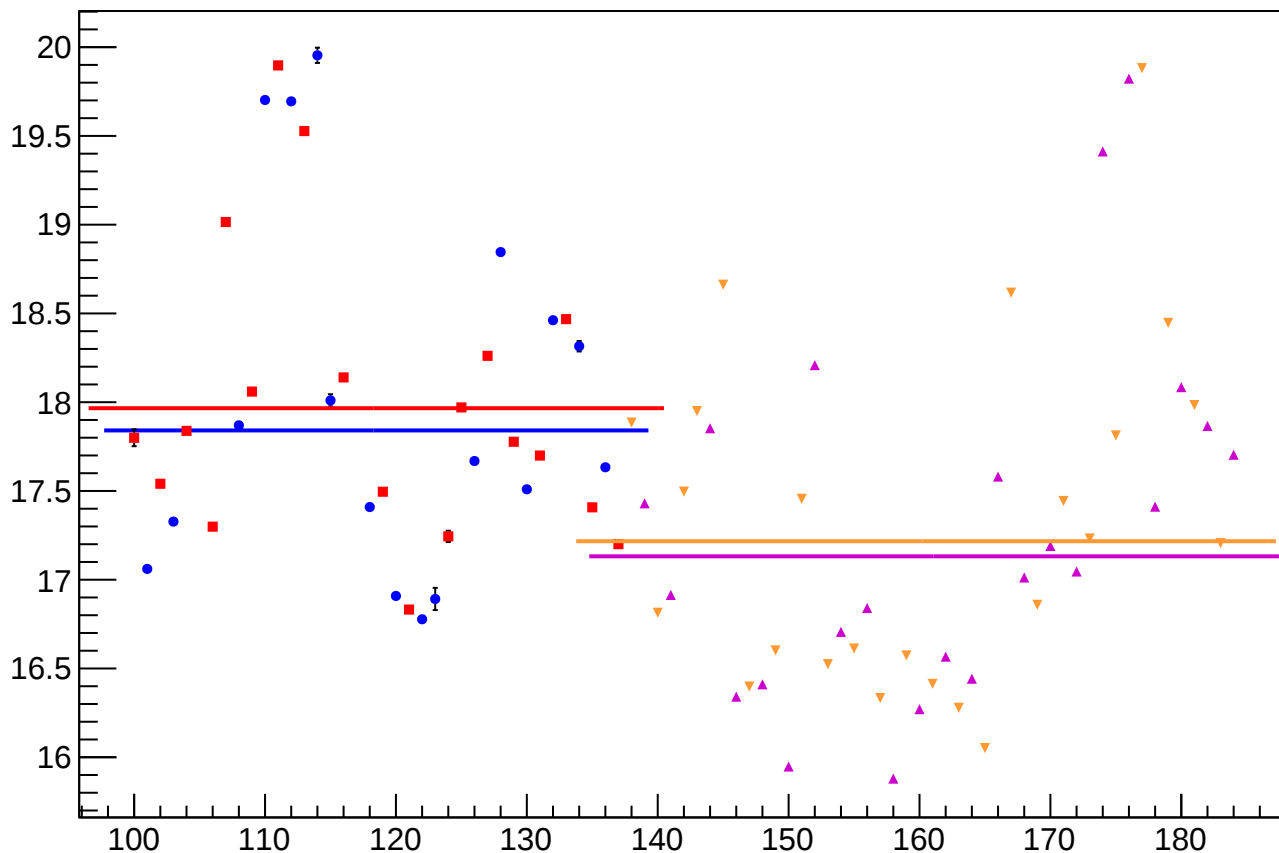
Right: 0.314 ± 4.833 χ^2/NDF : 30.0/35

In: 2.630 ± 3.534 χ^2/NDF : 44.4/39

Out: 5.191 ± 3.474 χ^2/NDF : 29.4/42

All: 3.932 ± 2.477 χ^2/NDF : 74.1/82

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: 17.217 $\pm$ 0.003 χ^2 /NDF:97590.4/23

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: 17.175 $\pm$ 0.002 χ^2 /NDF: 202022.5/46

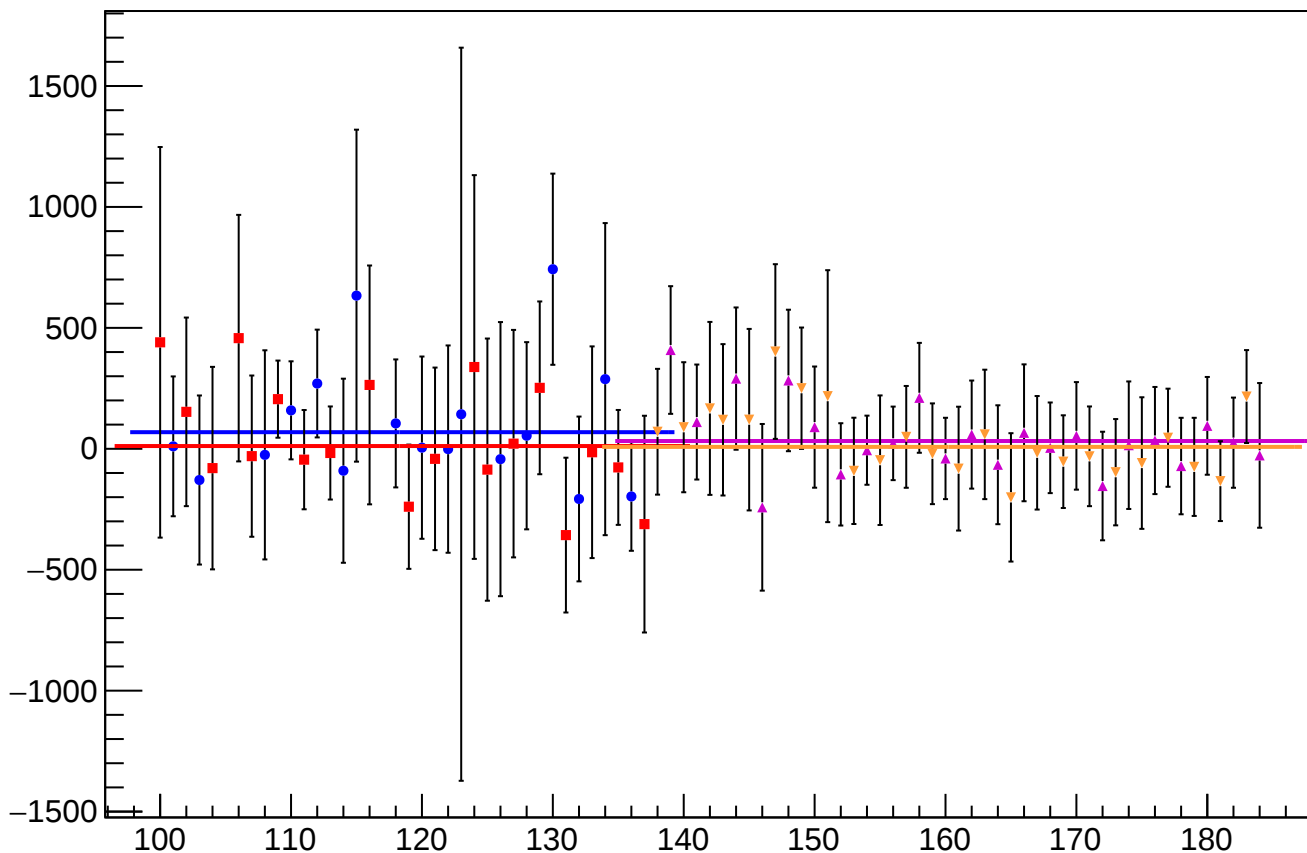
Right: 17.905 $\pm$ 0.003 χ^2 /NDF: 56736.1/35

In: 17.316 $\pm$ 0.002 χ^2 /NDF:150570.2/39

Out: 17.416 $\pm$ 0.002 χ^2 /NDF:141056.2/42

All: 17.367 $\pm$ 0.002 χ^2 /NDF: 292436.8/82

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: 7.912 $\pm$ 48.780 χ^2 /NDF:6.5/23

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: 20.976 $\pm$ 33.128 χ^2 /NDF: 13.6/46

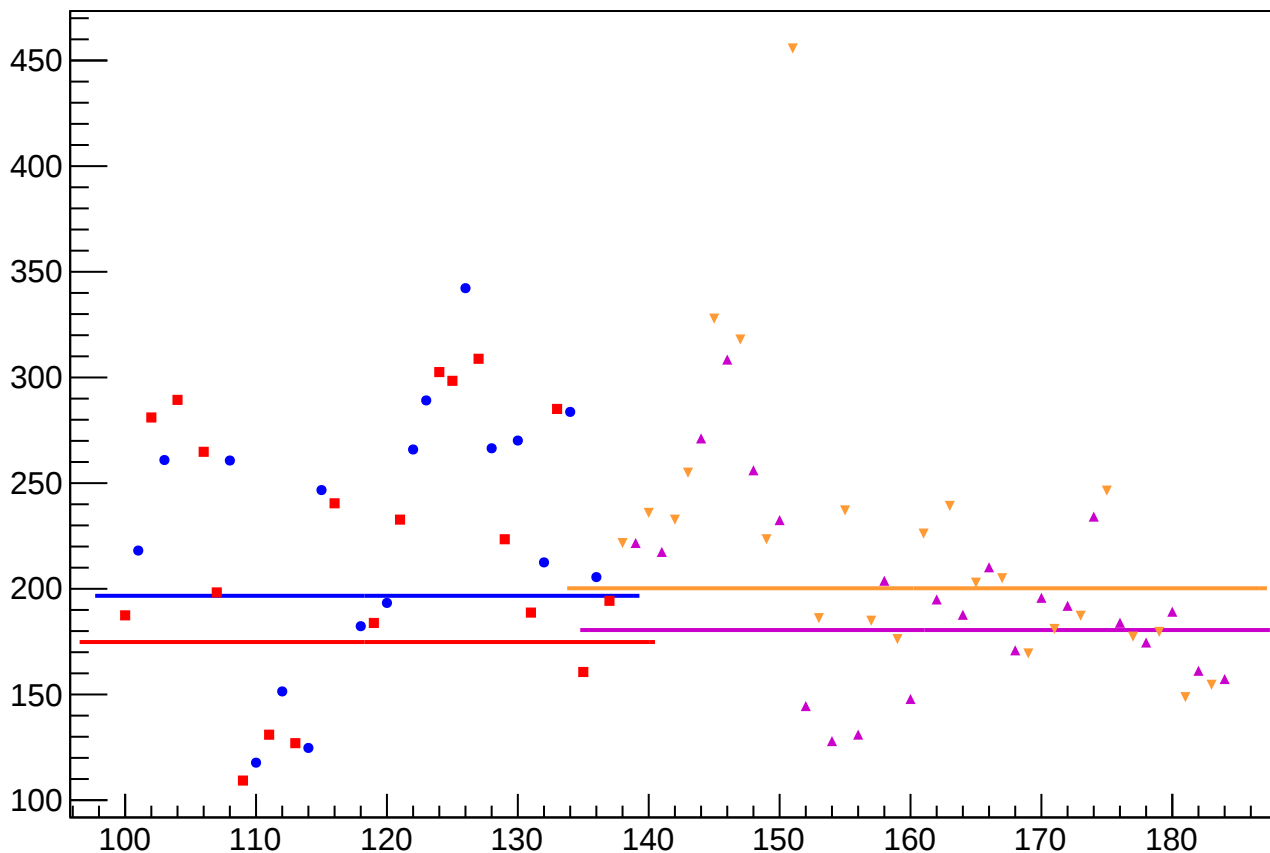
Right: 36.396 $\pm$ 53.352 χ^2 /NDF: 14.4/35

In: 40.852 $\pm$ 39.399 χ^2 /NDF:14.6/39

Out: 9.030 $\pm$ 40.215 χ^2 /NDF:13.2/42

All: 25.267 $\pm$ 28.144 χ^2 /NDF: 28.1/82

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: 200.259 $\pm$ 0.034 χ^2 /NDF:1703304.8/23

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: 189.610 $\pm$ 0.023 χ^2 /NDF: 3474016.5/46

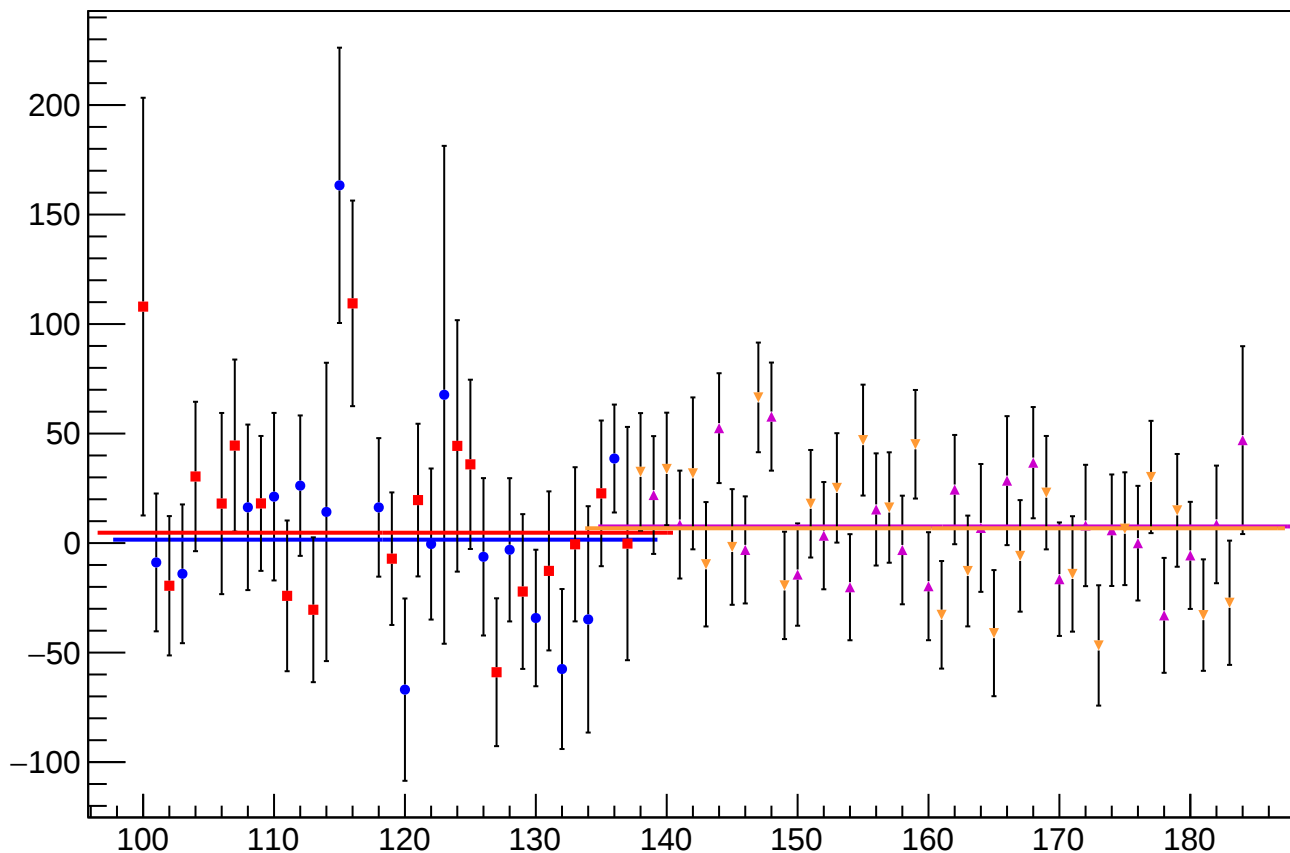
Right: 184.357 $\pm$ 0.038 χ^2 /NDF: 2555050.7/35

In: 184.346 $\pm$ 0.028 χ^2 /NDF:2621209.2/39

Out: 192.109 $\pm$ 0.028 χ^2 /NDF:3383822.8/42

All: 188.148 $\pm$ 0.020 χ^2 /NDF: 6043056.0/82

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: 6.754 $\pm$ 5.327 χ^2 /NDF:31.4/23

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: 7.168 $\pm$ 3.793 χ^2 /NDF: 49.8/46

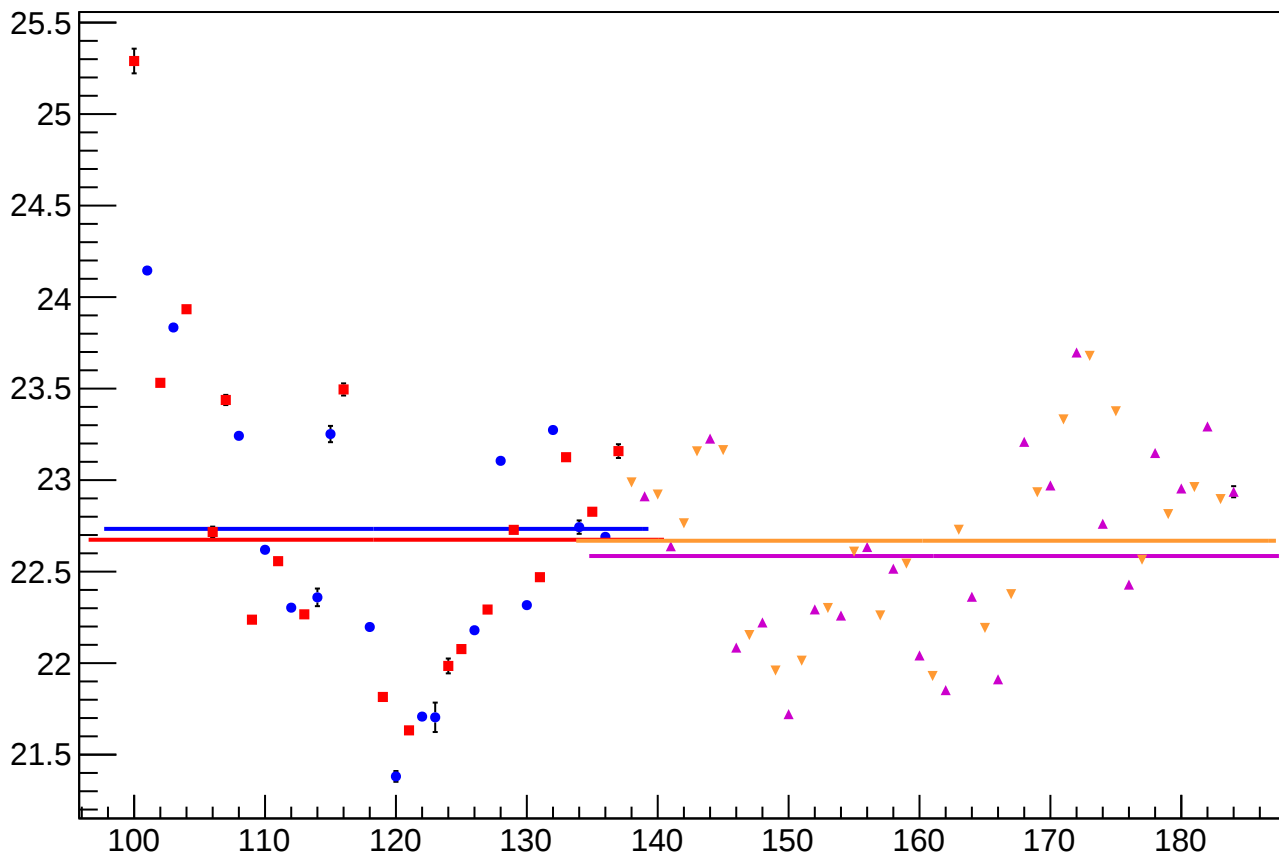
Right: 3.204 $\pm$ 6.121 χ^2 /NDF: 34.7/35

In: 5.948 $\pm$ 4.607 χ^2 /NDF:36.7/39

Out: 6.183 $\pm$ 4.513 χ^2 /NDF:48.1/42

All: 6.068 $\pm$ 3.224 χ^2 /NDF: 84.8/82

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: 22.669 $\pm$ 0.004 χ^2 /NDF:15561.8/23

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: 22.628 $\pm$ 0.003 χ^2 /NDF: 33891.4/46

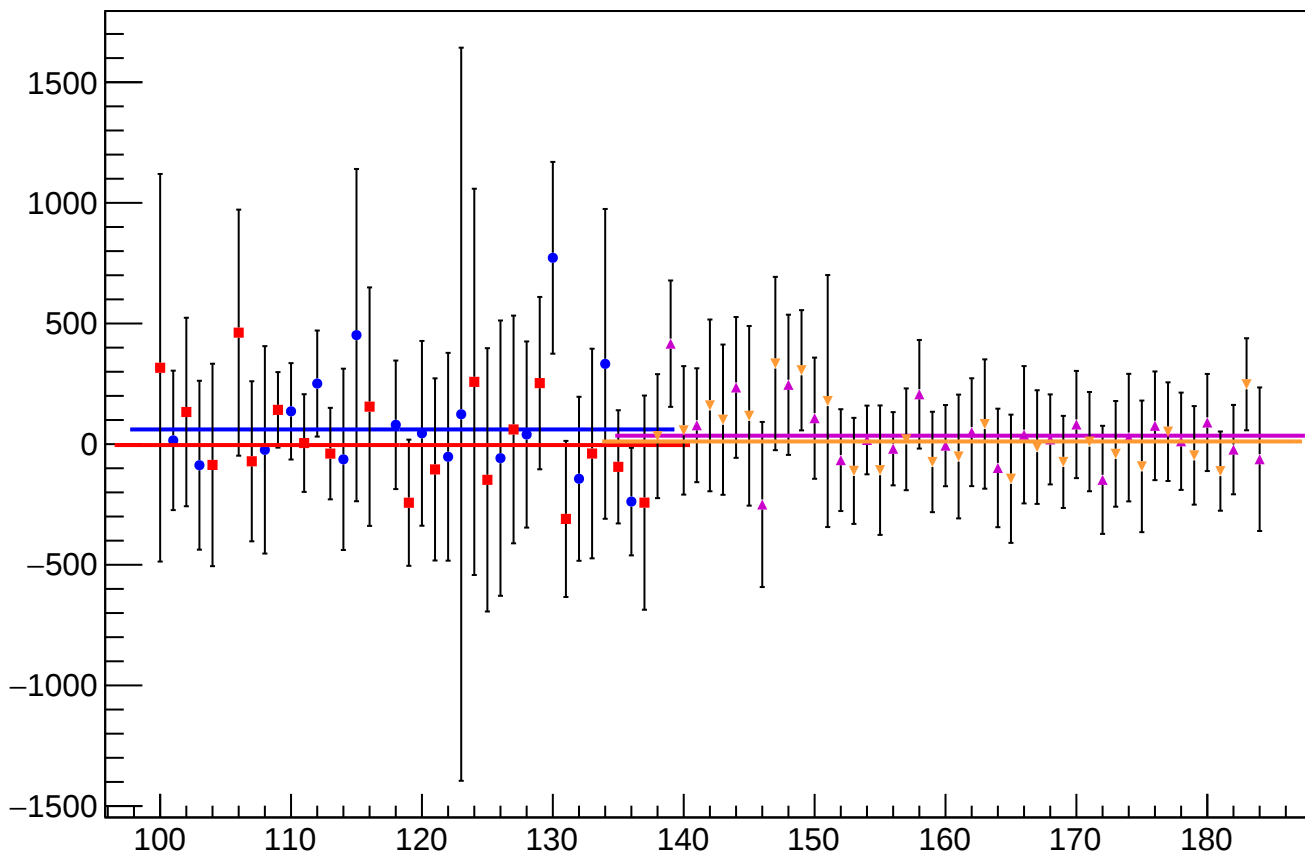
Right: 22.703 $\pm$ 0.004 χ^2 /NDF: 26386.3/35

In: 22.626 $\pm$ 0.003 χ^2 /NDF:32028.7/39

Out: 22.670 $\pm$ 0.003 χ^2 /NDF:28371.4/42

All: 22.648 $\pm$ 0.002 χ^2 /NDF: 60495.7/82

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: 11.078 $\pm$ 48.704 χ^2 /NDF:6.5/23

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: 23.991 $\pm$ 33.077 χ^2 /NDF: 12.9/46

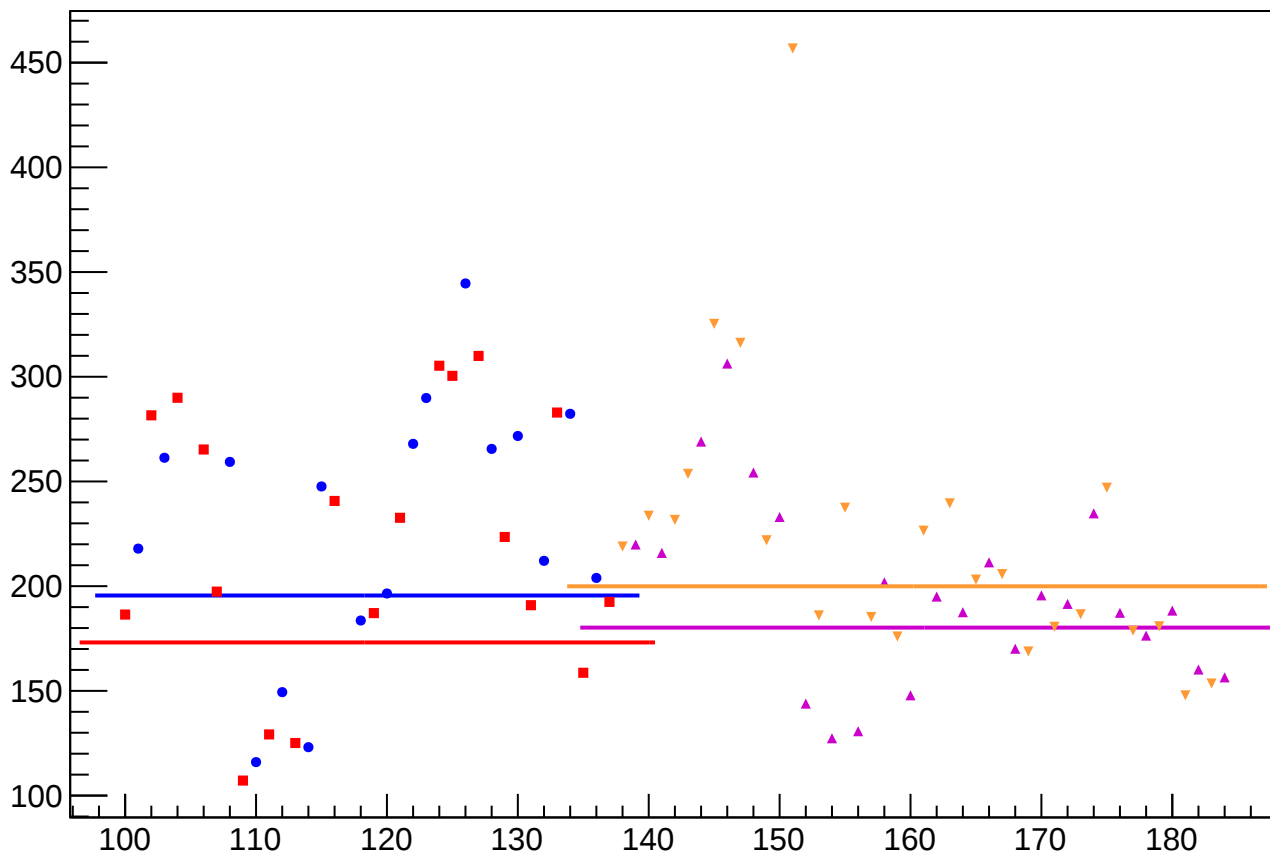
Right: 24.326 $\pm$ 53.042 χ^2 /NDF: 12.8/35

In: 41.230 $\pm$ 39.313 χ^2 /NDF:13.6/39

Out: 6.263 $\pm$ 40.083 χ^2 /NDF:11.7/42

All: 24.085 $\pm$ 28.067 χ^2 /NDF: 25.6/82

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: 199.931 $\pm$ 0.034 χ^2 /NDF:1700427.8/23

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: 189.304 $\pm$ 0.023 χ^2 /NDF: 3466159.5/46

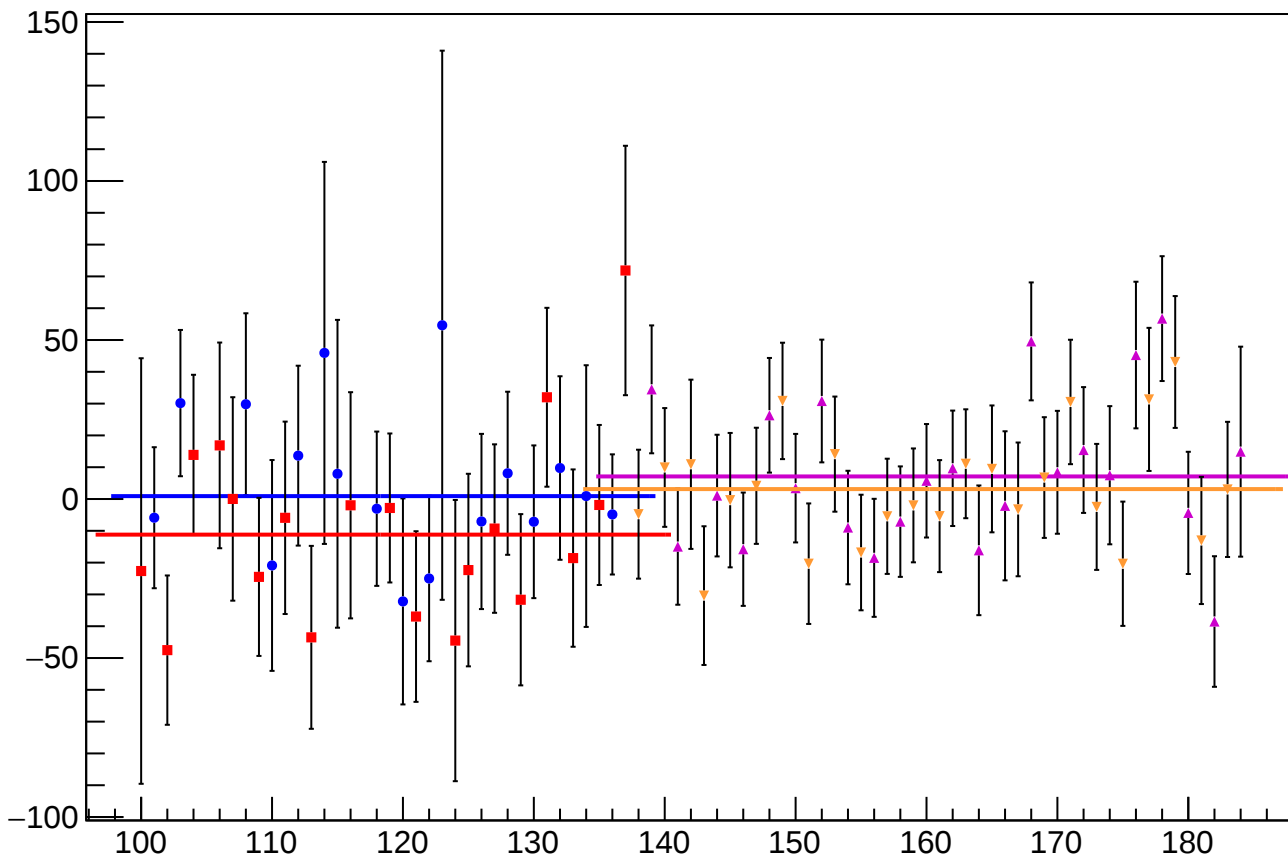
Right: 182.875 $\pm$ 0.038 χ^2 /NDF: 2666888.8/35

In: 183.871 $\pm$ 0.028 χ^2 /NDF:2650554.6/39

Out: 191.281 $\pm$ 0.028 χ^2 /NDF:3468817.5/42

All: 187.504 $\pm$ 0.020 χ^2 /NDF: 6154209.1/82

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: 3.122 ± 3.982 χ^2/NDF : 18.6/23

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: 5.078 ± 2.839 χ^2/NDF : 51.6/46

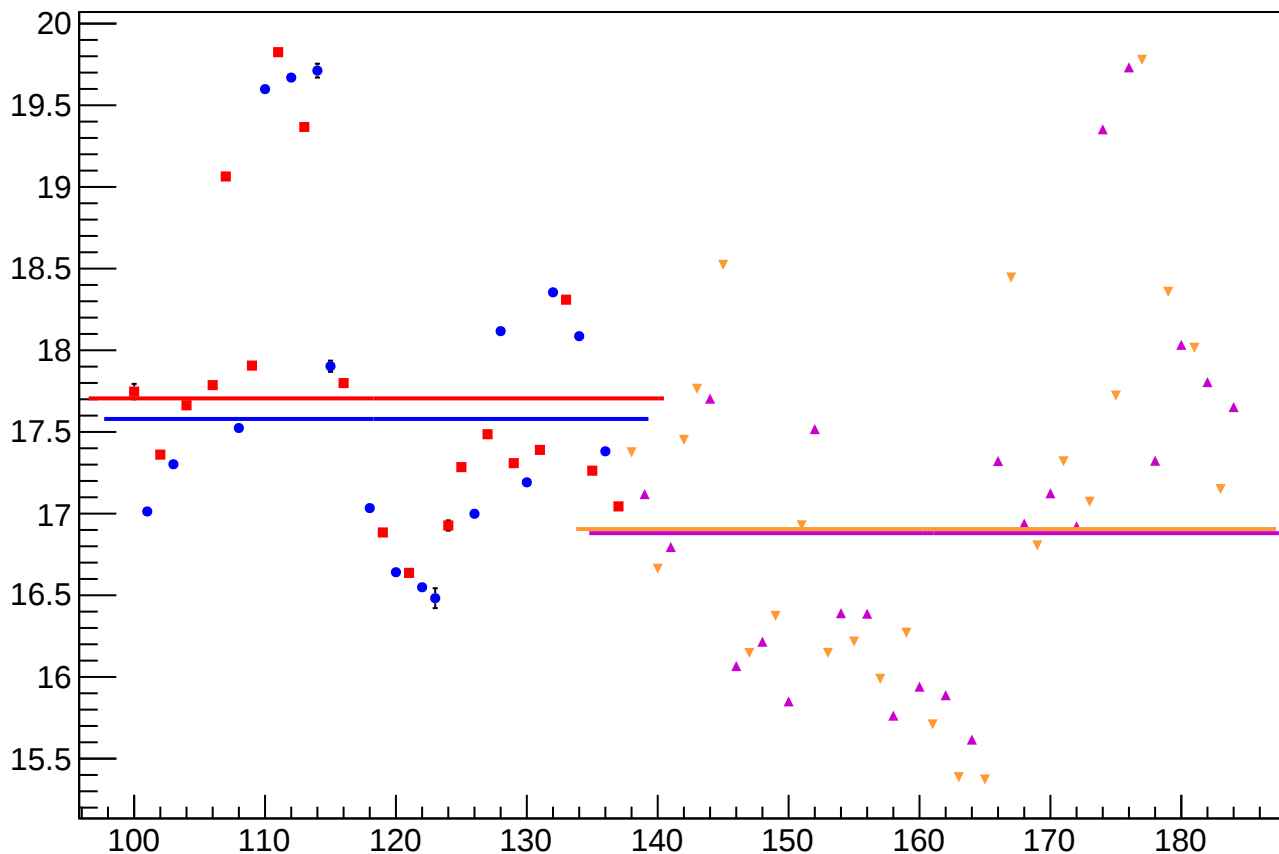
Right: -5.312 ± 4.762 χ^2/NDF : 23.8/35

In: 5.490 ± 3.482 χ^2/NDF : 40.0/39

Out: -0.664 ± 3.416 χ^2/NDF : 37.3/42

All: 2.354 ± 2.438 χ^2/NDF : 78.9/82

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: 16.906 $\pm$ 0.003 χ^2 /NDF:137189.4/23

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: 16.893 $\pm$ 0.002 χ^2 /NDF: 258964.5/46

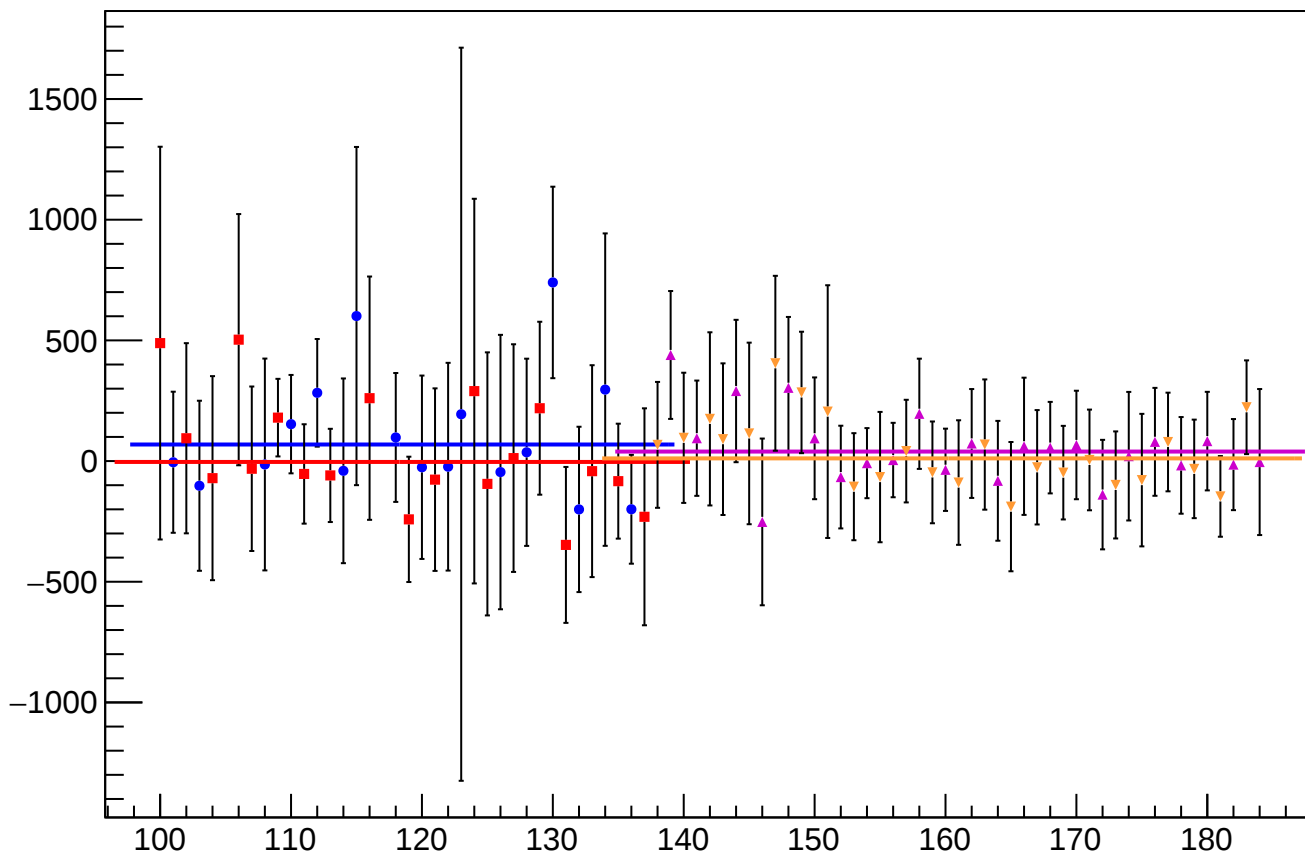
Right: 17.644 $\pm$ 0.003 χ^2 /NDF: 63587.8/35

In: 17.062 $\pm$ 0.002 χ^2 /NDF:170210.8/39

Out: 17.117 $\pm$ 0.002 χ^2 /NDF:188797.1/42

All: 17.090 $\pm$ 0.002 χ^2 /NDF: 359260.4/82

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: 11.099 $\pm$ 49.200 χ^2 /NDF:6.9/23

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: 26.319 $\pm$ 33.433 χ^2 /NDF: 14.0/46

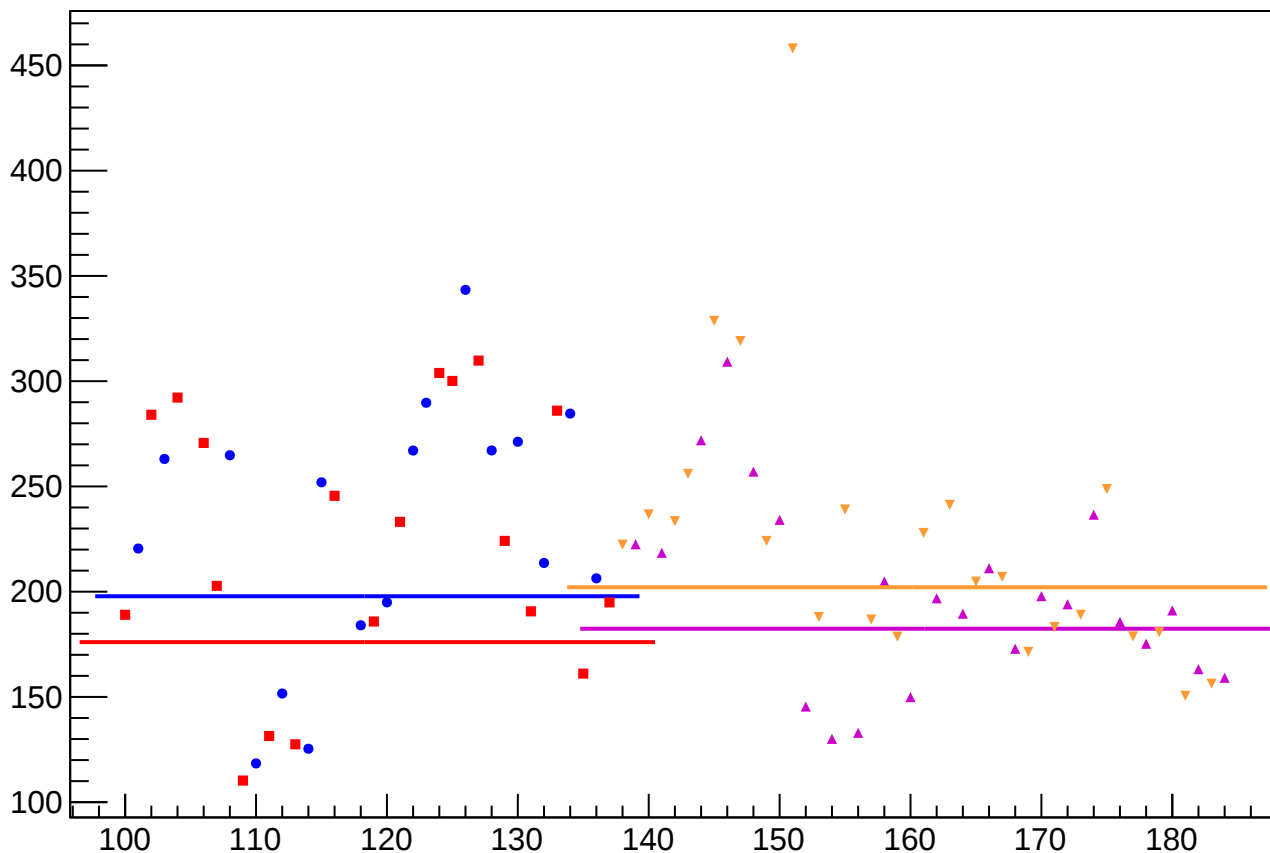
Right: 27.934 $\pm$ 53.699 χ^2 /NDF: 13.8/35

In: 46.375 $\pm$ 39.747 χ^2 /NDF:14.3/39

Out: 6.375 $\pm$ 40.541 χ^2 /NDF:13.0/42

All: 26.770 $\pm$ 28.382 χ^2 /NDF: 27.8/82

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: 202.102 $\pm$ 0.035 χ^2 /NDF:1671755.1/23

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: 191.496 $\pm$ 0.024 χ^2 /NDF: 3393360.2/46

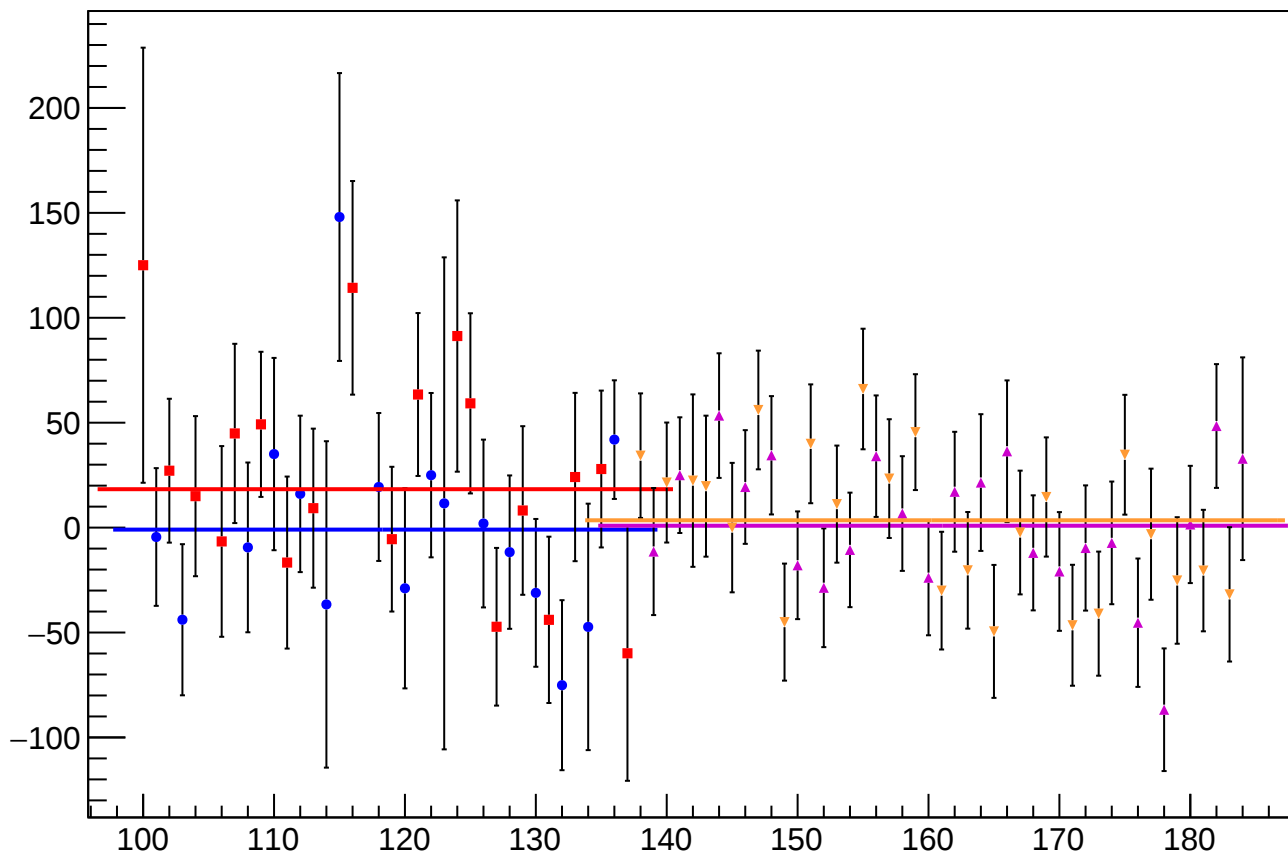
Right: 185.556 $\pm$ 0.038 χ^2 /NDF: 2567038.6/35

In: 186.089 $\pm$ 0.028 χ^2 /NDF:2574894.7/39

Out: 193.734 $\pm$ 0.029 χ^2 /NDF:3366876.0/42

All: 189.836 $\pm$ 0.020 χ^2 /NDF: 5978035.1/82

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: 3.487 ± 6.025 χ^2/NDF : 32.2/23

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: 2.203 ± 4.276 χ^2/NDF : 59.3/46

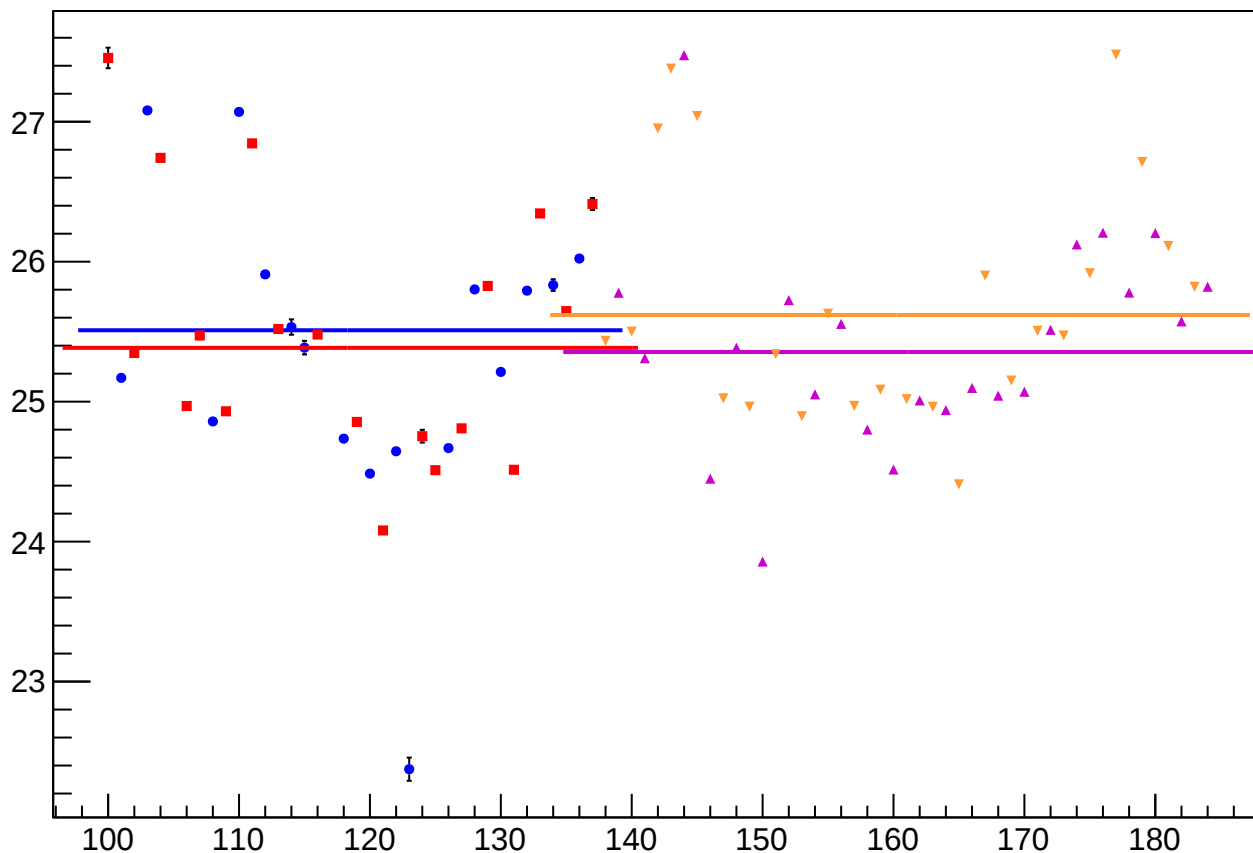
Right: 9.063 ± 6.865 χ^2/NDF : 35.7/35

In: 0.395 ± 5.176 χ^2/NDF : 42.6/39

Out: 7.725 ± 5.091 χ^2/NDF : 52.2/42

All: 4.120 ± 3.630 χ^2/NDF : 95.8/82

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: 25.619 $\pm$ 0.004 χ^2 /NDF:33637.6/23

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: 25.488 $\pm$ 0.003 χ^2 /NDF: 65316.0/46

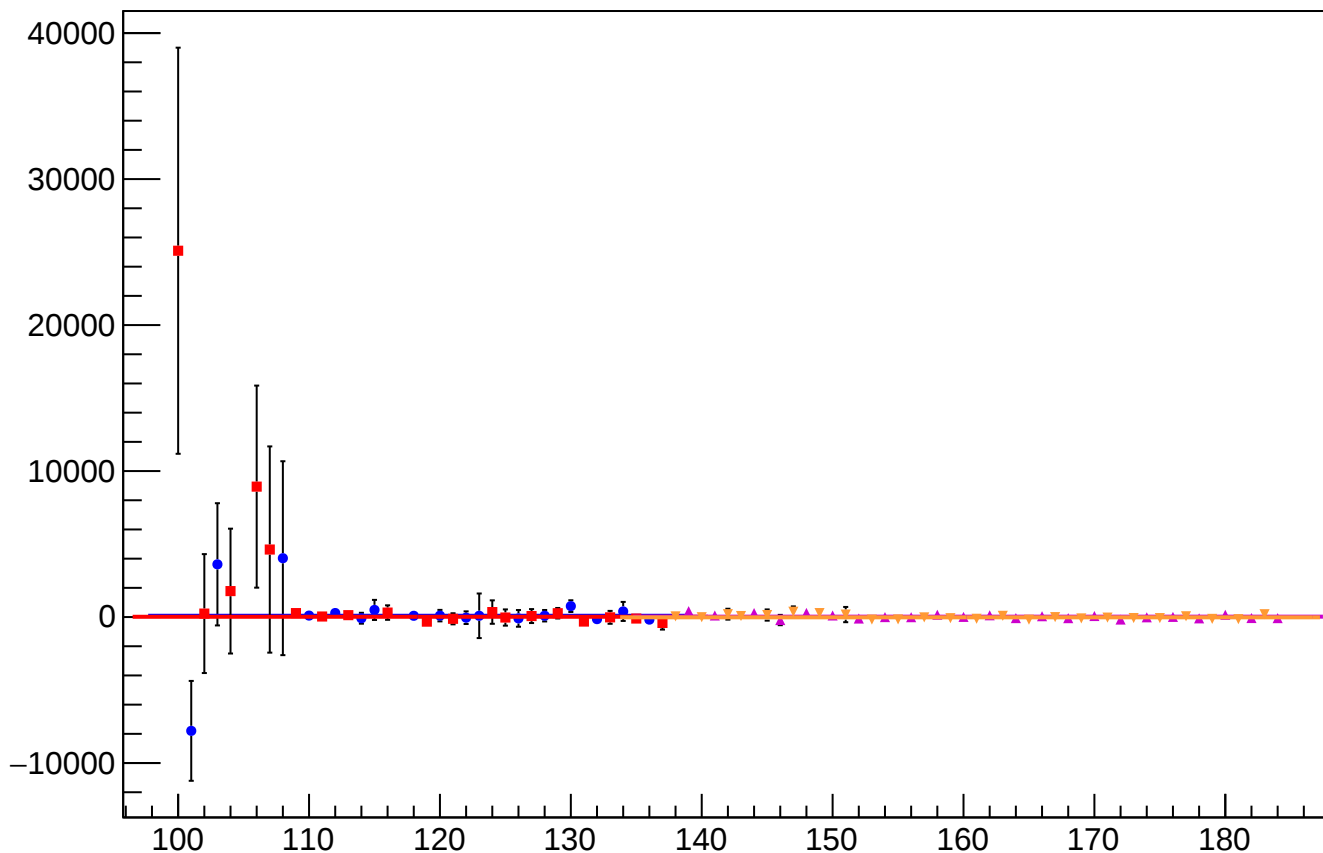
Right: 25.445 $\pm$ 0.005 χ^2 /NDF: 27193.6/35

In: 25.397 $\pm$ 0.004 χ^2 /NDF:43480.8/39

Out: 25.552 $\pm$ 0.004 χ^2 /NDF:48174.5/42

All: 25.476 $\pm$ 0.003 χ^2 /NDF: 92566.6/82

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: -19.019+/-48.894 χ^2/NDF : 7.1/23

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: 5.367+/-33.455 χ^2/NDF : 15.0/46

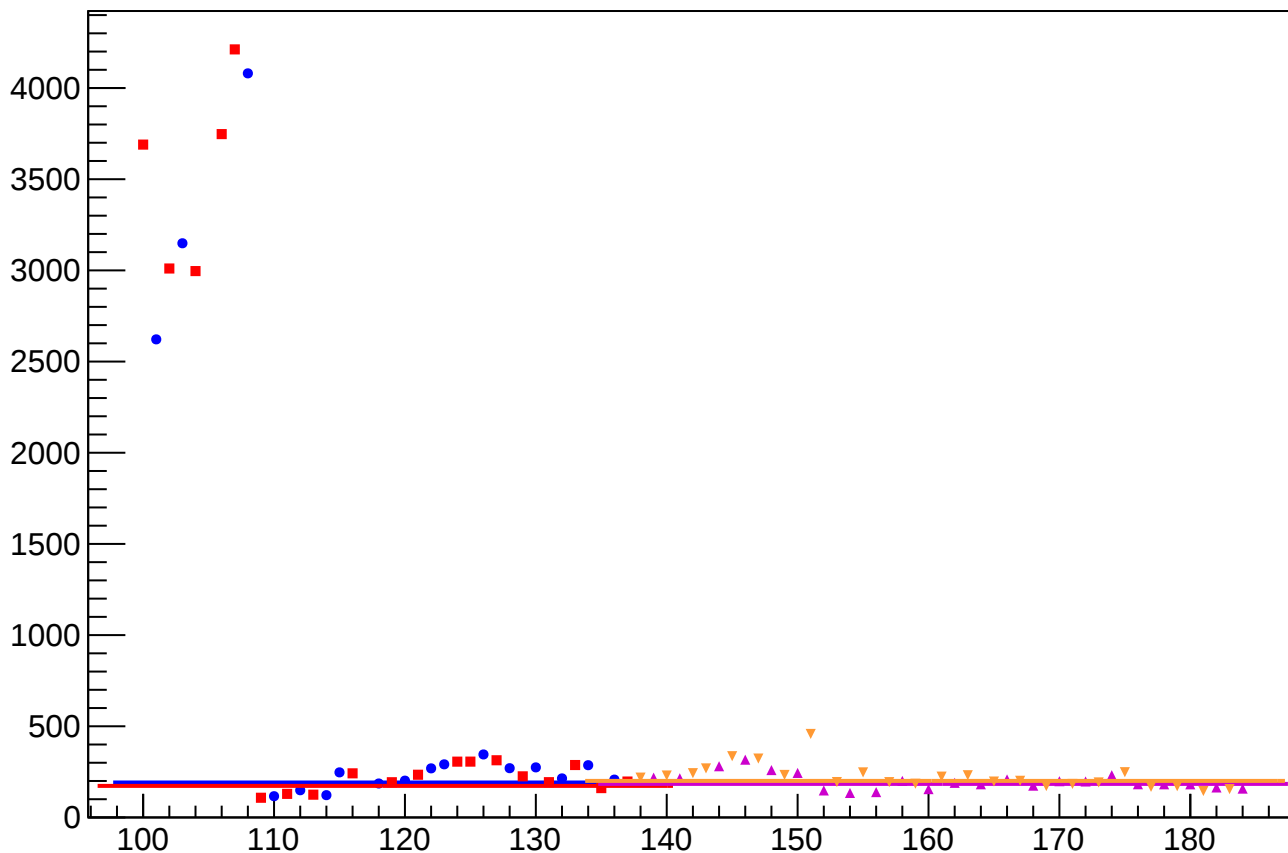
Right: 50.685+/-59.810 χ^2/NDF : 24.9/35

In: 39.741+/-40.751 χ^2/NDF : 20.4/39

Out: -8.700+/-41.855 χ^2/NDF : 19.2/42

All: 16.167+/-29.198 χ^2/NDF : 40.3/82

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: 200.470 $\pm$ 0.035 χ^2 /NDF:1820996.8/23

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: 191.728 $\pm$ 0.024 χ^2 /NDF: 3364682.7/46

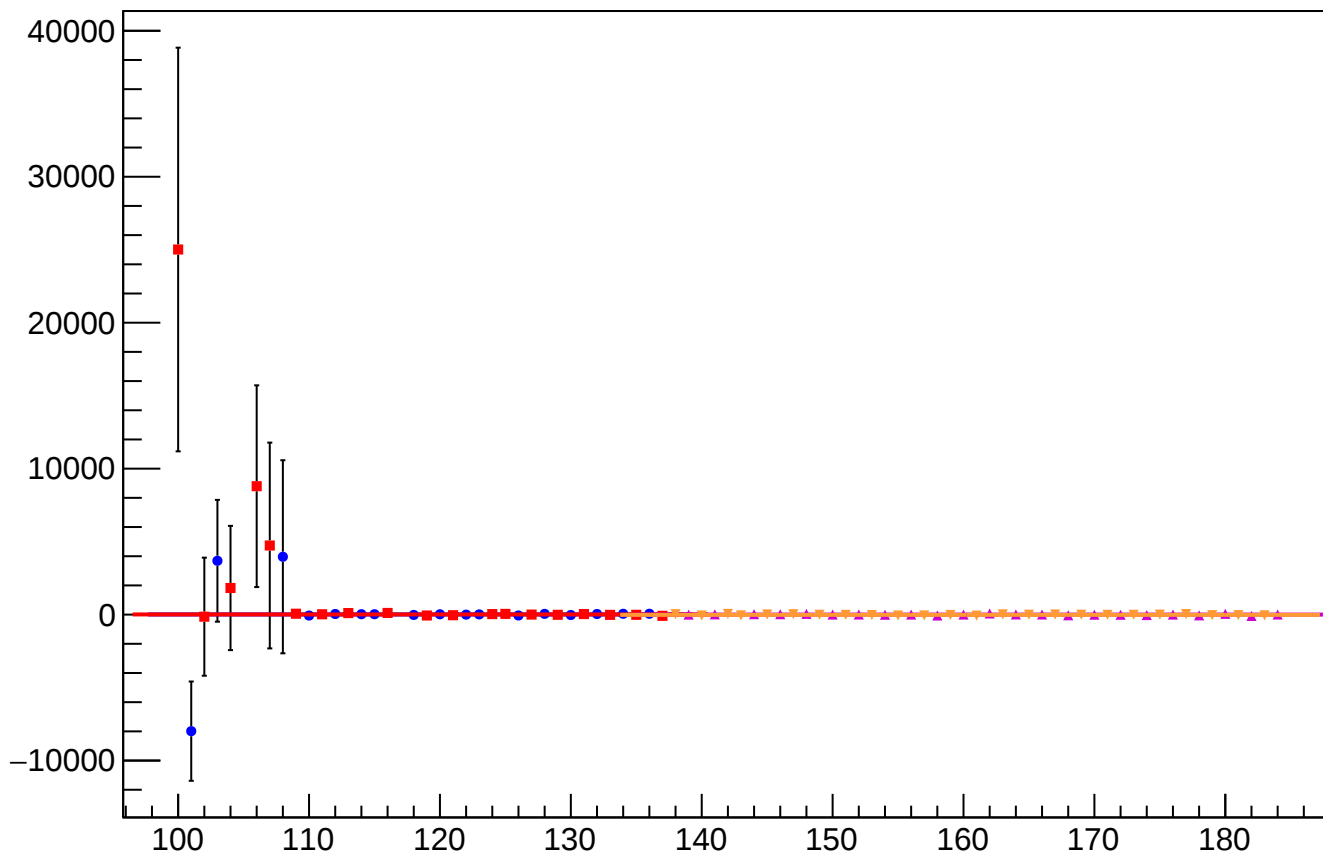
Right: 181.554 $\pm$ 0.042 χ^2 /NDF: 7825671.3/35

In: 185.651 $\pm$ 0.029 χ^2 /NDF:5011174.2/39

Out: 193.156 $\pm$ 0.030 χ^2 /NDF:6190248.8/42

All: 189.303 $\pm$ 0.021 χ^2 /NDF: 11234429.7/82

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.697 $\pm$ 12.319 χ^2 /NDF: 19.0/16

Left Out: -16.681 $\pm$ 6.754 χ^2 /NDF:21.2/23

Right Out: 11.602 $\pm$ 12.269 χ^2 /NDF: 24.3/18

Left In: 1.038 $\pm$ 6.880 χ^2 /NDF:32.4/22

Left: -7.987 $\pm$ 4.820 χ^2 /NDF: 57.0/46

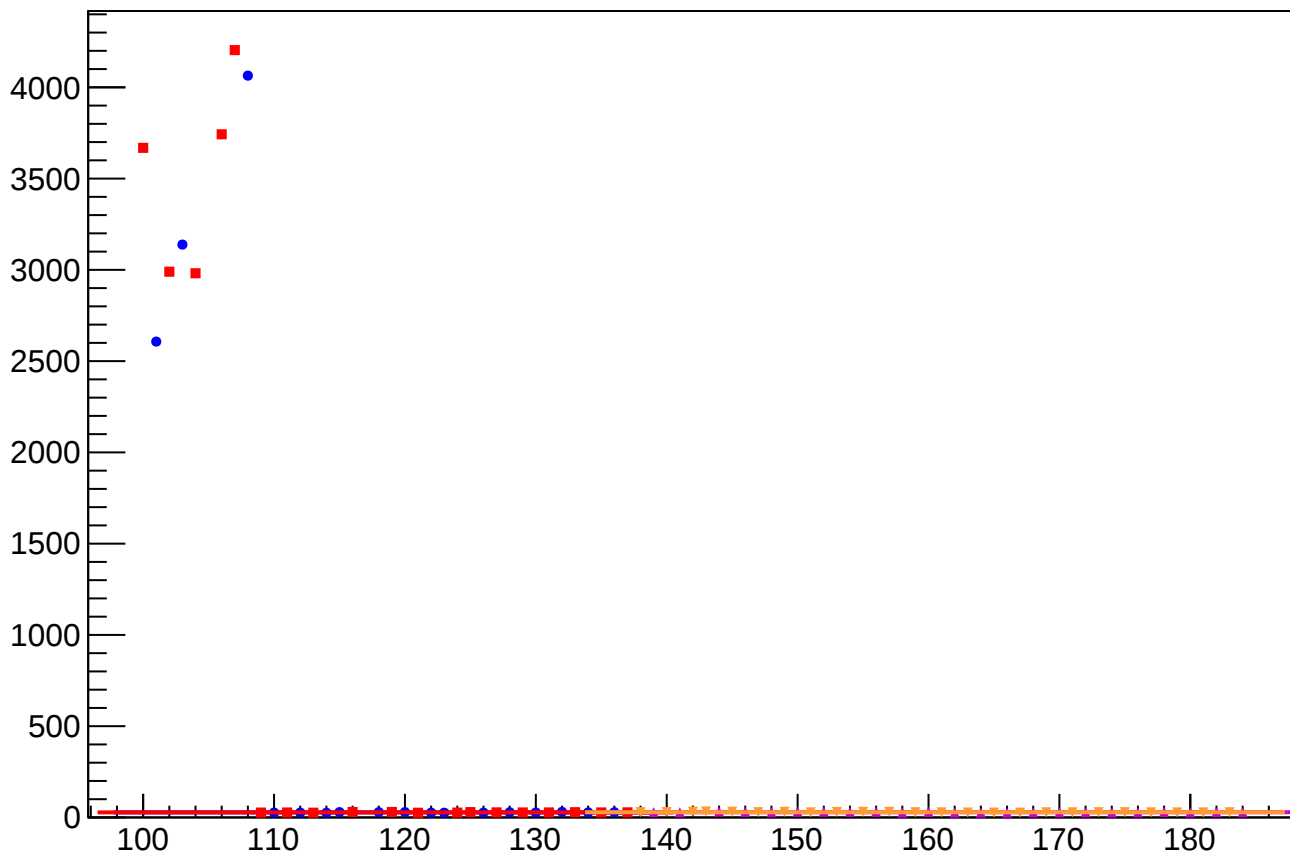
Right: 11.151 $\pm$ 8.693 χ^2 /NDF: 43.2/35

In: 3.334 $\pm$ 6.007 χ^2 /NDF:51.8/39

Out: -10.104 $\pm$ 5.916 χ^2 /NDF:49.6/42

All: -3.487 $\pm$ 4.215 χ^2 /NDF: 104.0/82

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: 28.671+/-0.005 χ^2 /NDF:104985.6/23

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: 28.672+/-0.003 χ^2 /NDF: 229737.1/46

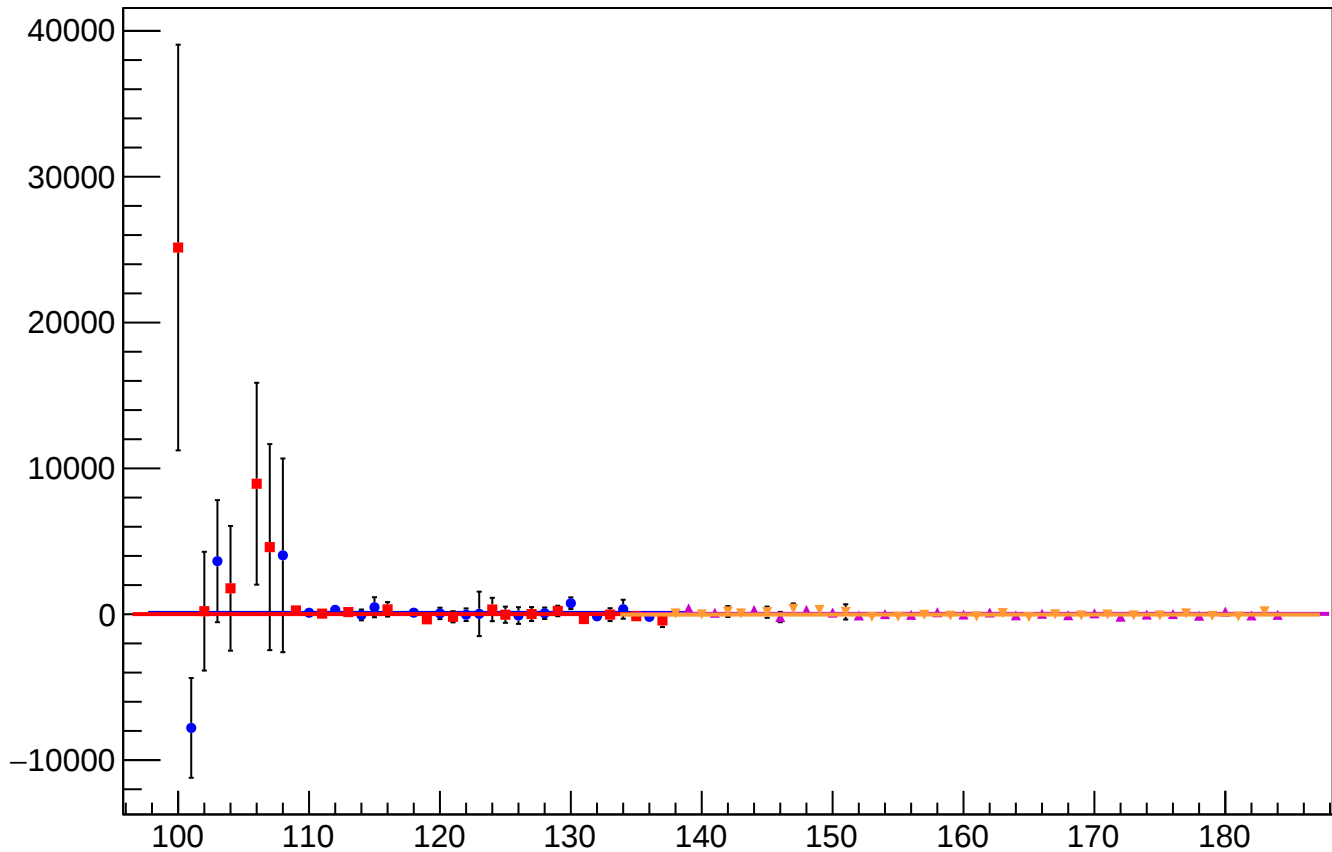
Right: 27.794+/-0.006 χ^2 /NDF: 6504918.1/35

In: 28.483+/-0.004 χ^2 /NDF:3158967.6/39

Out: 28.449+/-0.004 χ^2 /NDF:3591259.7/42

All: 28.465+/-0.003 χ^2 /NDF: 6750260.1/82

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 93.587 $\pm$ 88.455 χ^2 /NDF: 12.8/16

Left Out: -21.745 $\pm$ 48.784 χ^2 /NDF: 7.8/23

Right Out: 9.682 $\pm$ 80.708 χ^2 /NDF: 12.8/18

Left In: 27.009 $\pm$ 45.785 χ^2 /NDF: 7.8/22

Left: 4.177 $\pm$ 33.385 χ^2 /NDF: 16.1/46

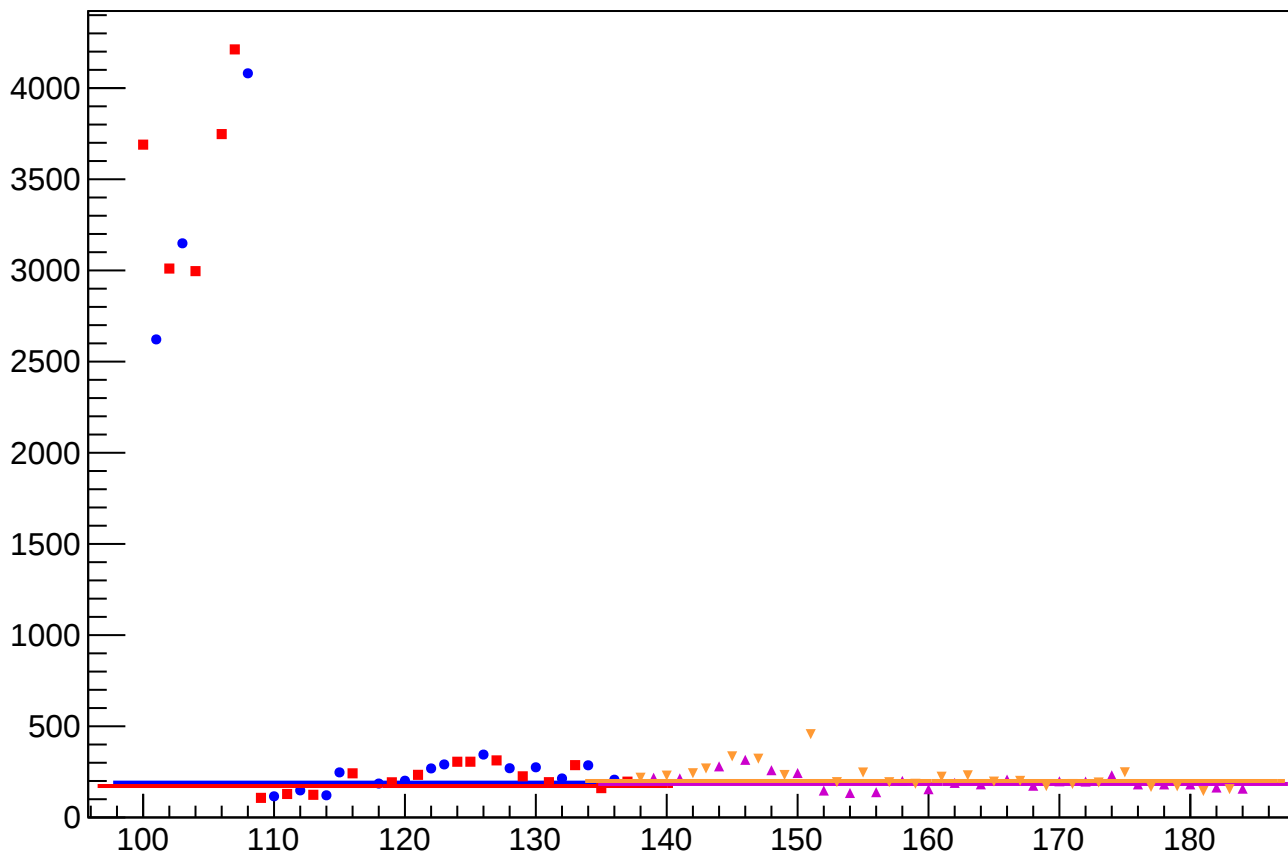
Right: 47.800 $\pm$ 59.620 χ^2 /NDF: 26.0/35

In: 41.077 $\pm$ 40.661 χ^2 /NDF: 21.0/39

Out: -13.335 $\pm$ 41.750 χ^2 /NDF: 20.7/42

All: 14.590 $\pm$ 29.129 χ^2 /NDF: 42.6/82

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: 200.024 $\pm$ 0.034 χ^2 /NDF:1820961.5/23

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: 191.327 $\pm$ 0.024 χ^2 /NDF: 3363393.0/46

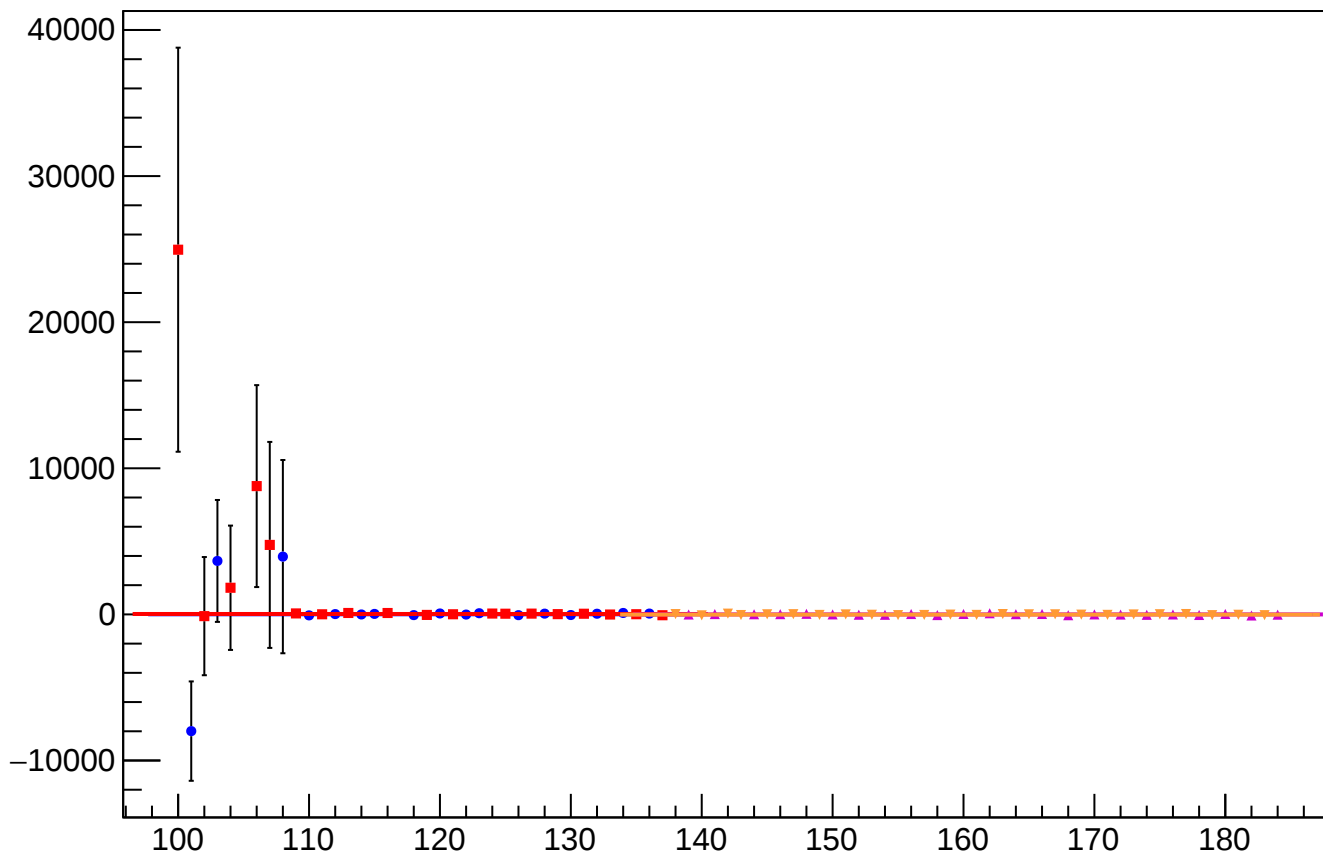
Right: 180.865 $\pm$ 0.042 χ^2 /NDF: 7848812.4/35

In: 185.216 $\pm$ 0.029 χ^2 /NDF:5021533.5/39

Out: 192.640 $\pm$ 0.030 χ^2 /NDF:6205104.1/42

All: 188.830 $\pm$ 0.021 χ^2 /NDF: 11259089.4/82

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 7.963 ± 12.403 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -14.203 ± 6.784 $\chi^2/\text{NDF}: 16.7/23$

Right Out: 28.182 ± 12.369 $\chi^2/\text{NDF}: 16.5/18$

Left In: -0.702 ± 6.909 $\chi^2/\text{NDF}: 26.4/22$

Left: -7.576 ± 4.841 $\chi^2/\text{NDF}: 45.0/46$

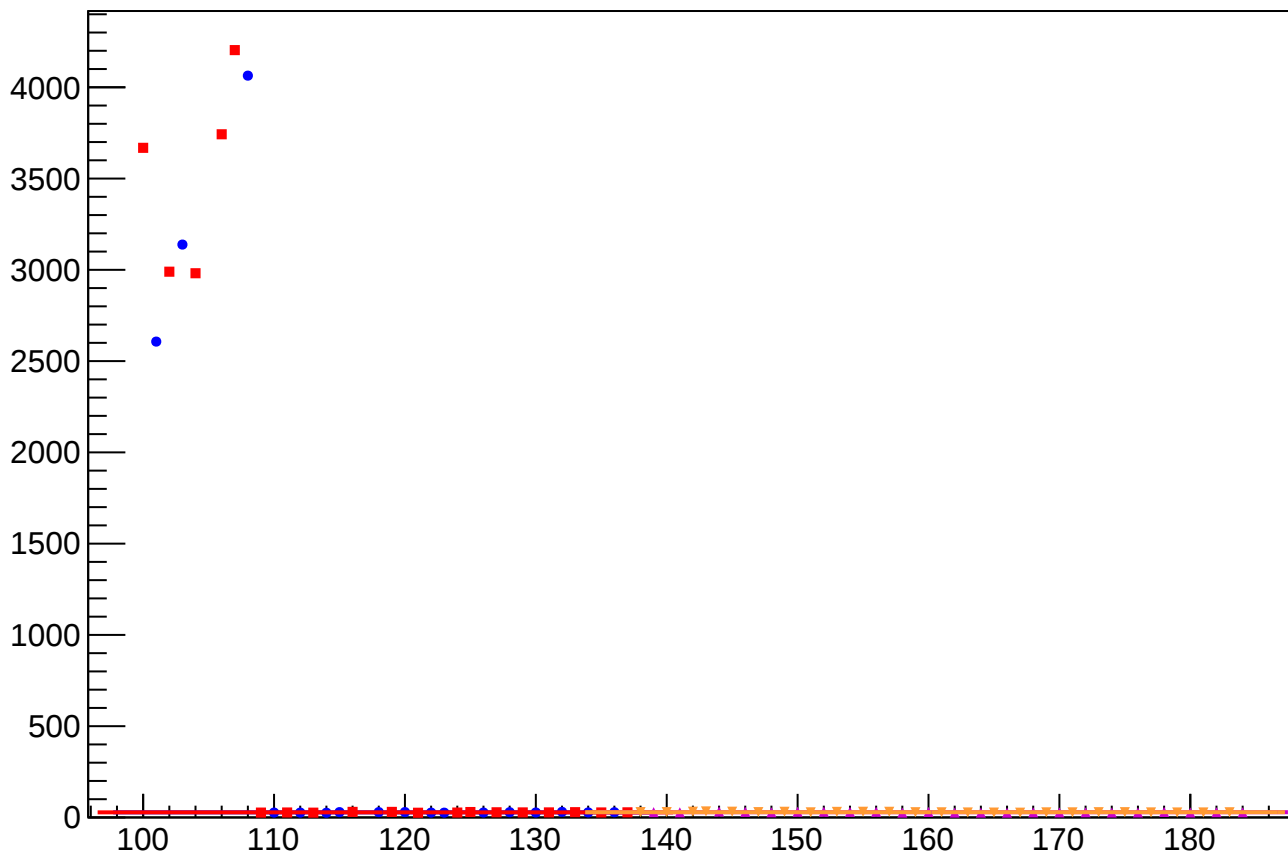
Right: 18.100 ± 8.758 $\chi^2/\text{NDF}: 40.7/35$

In: 1.350 ± 6.036 $\chi^2/\text{NDF}: 49.6/39$

Out: -4.402 ± 5.948 $\chi^2/\text{NDF}: 42.3/42$

All: -1.568 ± 4.237 $\chi^2/\text{NDF}: 92.3/82$

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.059+/-0.009 χ^2 /NDF: 3028297.0/16

Left Out: 28.795+/-0.005 χ^2 /NDF:116162.5/23

Right Out: 27.935+/-0.009 χ^2 /NDF: 3479859.0/18

Left In: 28.792+/-0.005 χ^2 /NDF:129393.1/22

Left: 28.794+/-0.003 χ^2 /NDF: 245555.7/46

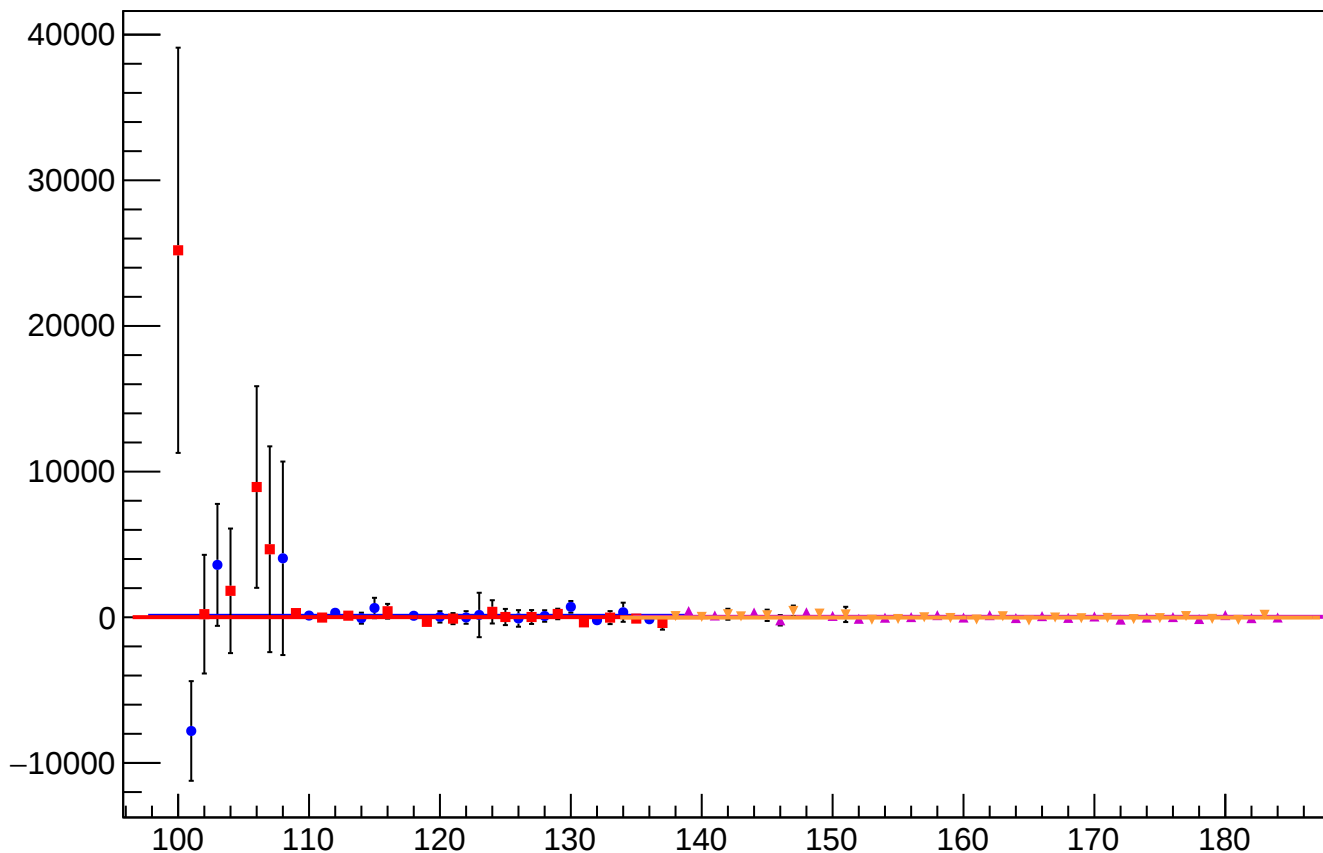
Right: 27.997+/-0.006 χ^2 /NDF: 6508255.5/35

In: 28.619+/-0.004 χ^2 /NDF:3163028.8/39

Out: 28.596+/-0.004 χ^2 /NDF:3603442.7/42

All: 28.607+/-0.003 χ^2 /NDF: 6766486.0/82

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: -19.168+/-49.365 χ^2/NDF : 7.7/23

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: 7.580+/-33.794 χ^2/NDF : 16.4/46

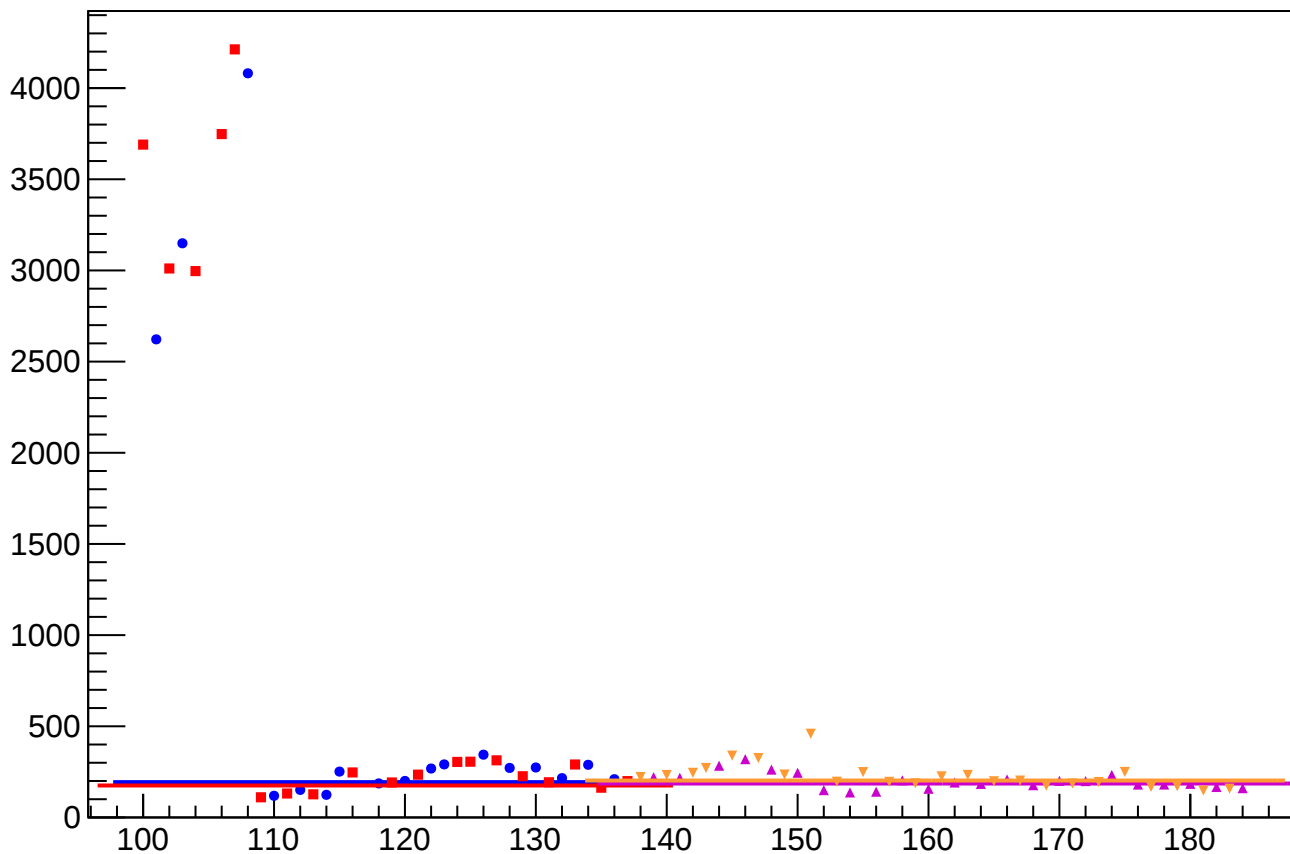
Right: 49.977+/-60.383 χ^2/NDF : 25.5/35

In: 45.665+/-41.166 χ^2/NDF : 21.2/39

Out: -11.793+/-42.264 χ^2/NDF : 20.1/42

All: 17.693+/-29.489 χ^2/NDF : 42.3/82

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.748 $\pm$ 0.063 χ^2 /NDF: 3539977.5/16

Left Out: 202.511 $\pm$ 0.035 χ^2 /NDF:1800016.1/23

Right Out: 175.305 $\pm$ 0.058 χ^2 /NDF: 4160397.0/18

Left In: 186.107 $\pm$ 0.033 χ^2 /NDF:1391327.2/22

Left: 193.795 $\pm$ 0.024 χ^2 /NDF: 3308702.0/46

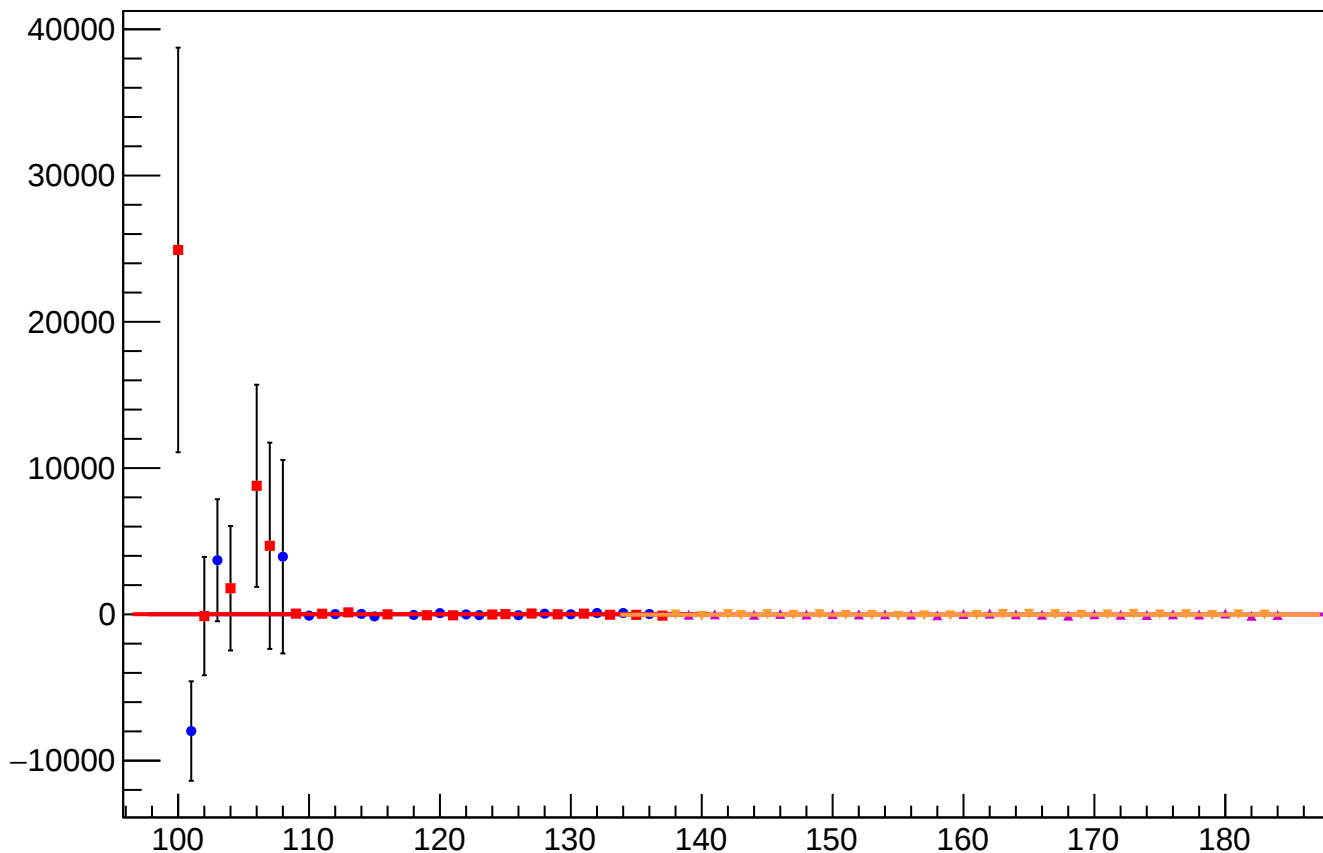
Right: 183.697 $\pm$ 0.043 χ^2 /NDF: 7746640.5/35

In: 187.723 $\pm$ 0.029 χ^2 /NDF:4942795.0/39

Out: 195.248 $\pm$ 0.030 χ^2 /NDF:6122601.7/42

All: 191.386 $\pm$ 0.021 χ^2 /NDF: 11097929.8/82

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.968+/-15.099 χ^2/NDF : 20.2/16

Left Out: -23.609+/-8.136 χ^2/NDF : 23.7/23

Right Out: 11.301+/-14.995 χ^2/NDF : 21.5/18

Left In: -6.001+/-8.309 χ^2/NDF : 21.1/22

Left: -14.990+/-5.813 χ^2/NDF : 47.1/46

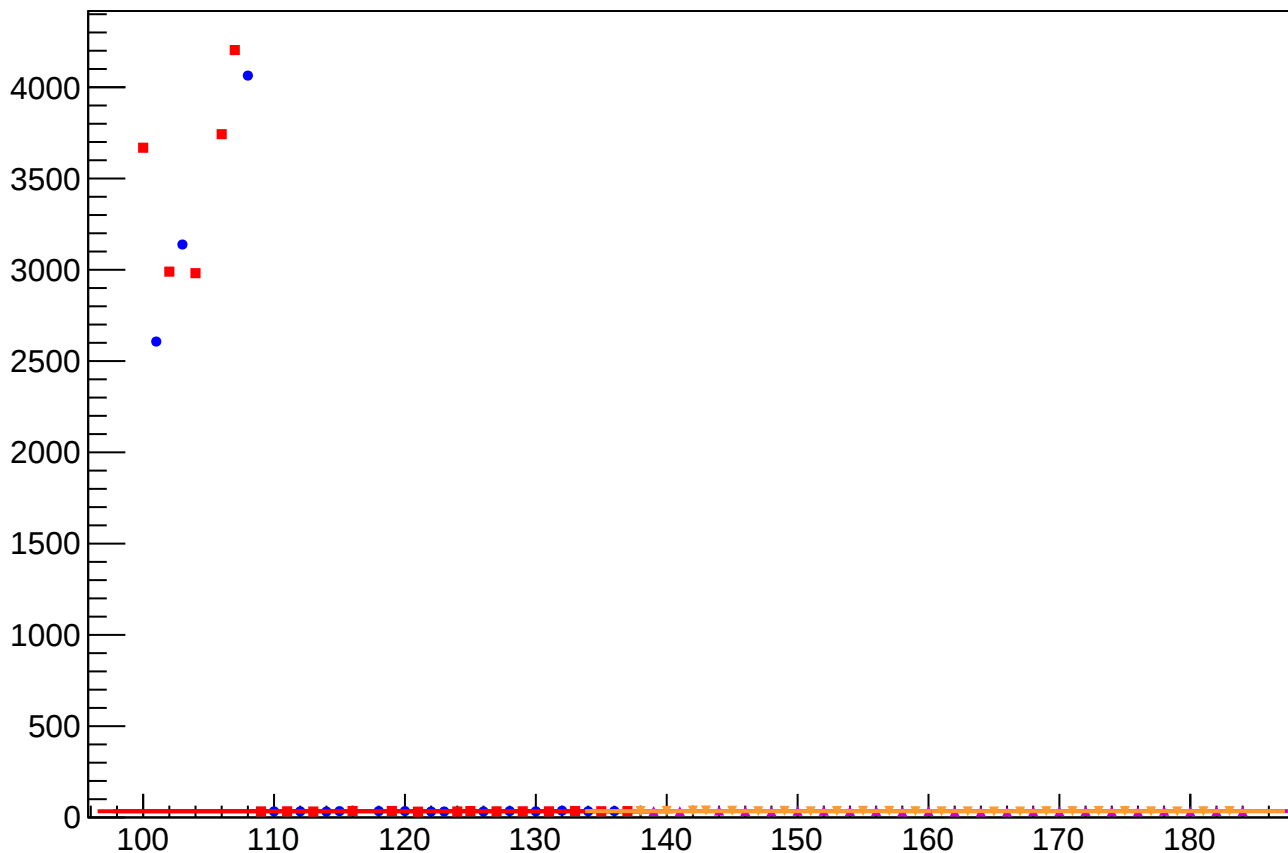
Right: 9.149+/-10.640 χ^2/NDF : 41.7/35

In: -2.987+/-7.279 χ^2/NDF : 41.9/39

Out: -15.670+/-7.151 χ^2/NDF : 49.4/42

All: -9.441+/-5.101 χ^2/NDF : 92.8/82

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.196 $\pm$ 0.011 χ^2 /NDF: 3006449.1/16

Left Out: 34.584 $\pm$ 0.006 χ^2 /NDF:54276.7/23

Right Out: 33.933 $\pm$ 0.011 χ^2 /NDF: 3452016.9/18

Left In: 34.685 $\pm$ 0.006 χ^2 /NDF:60315.2/22

Left: 34.633 $\pm$ 0.004 χ^2 /NDF: 114743.1/46

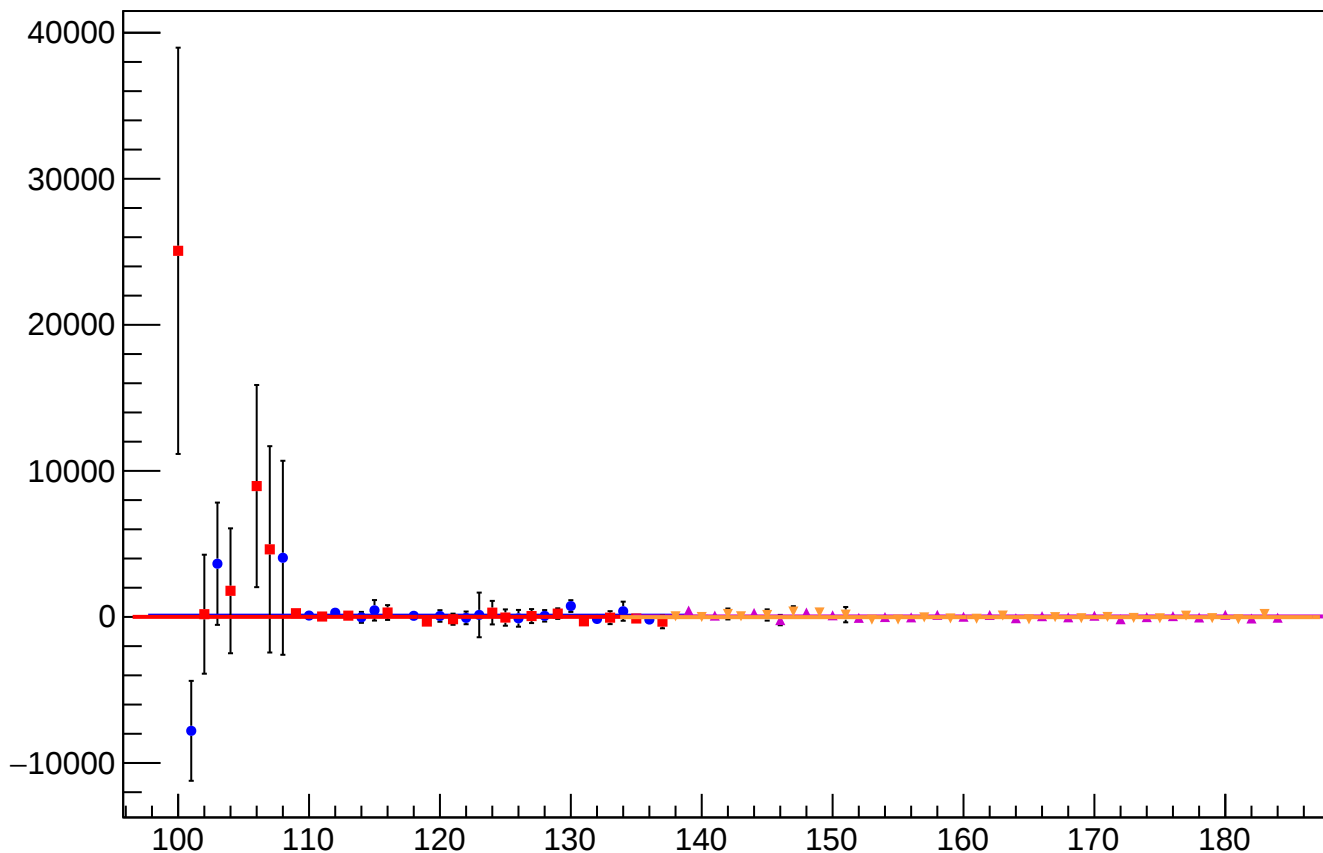
Right: 34.064 $\pm$ 0.008 χ^2 /NDF: 6458772.8/35

In: 34.571 $\pm$ 0.005 χ^2 /NDF:3068371.7/39

Out: 34.436 $\pm$ 0.005 χ^2 /NDF:3509206.1/42

All: 34.502 $\pm$ 0.004 χ^2 /NDF: 6577931.0/82

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: -15.422+/-49.296 χ^2/NDF : 7.7/23

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: 10.906+/-33.747 χ^2/NDF : 15.6/46

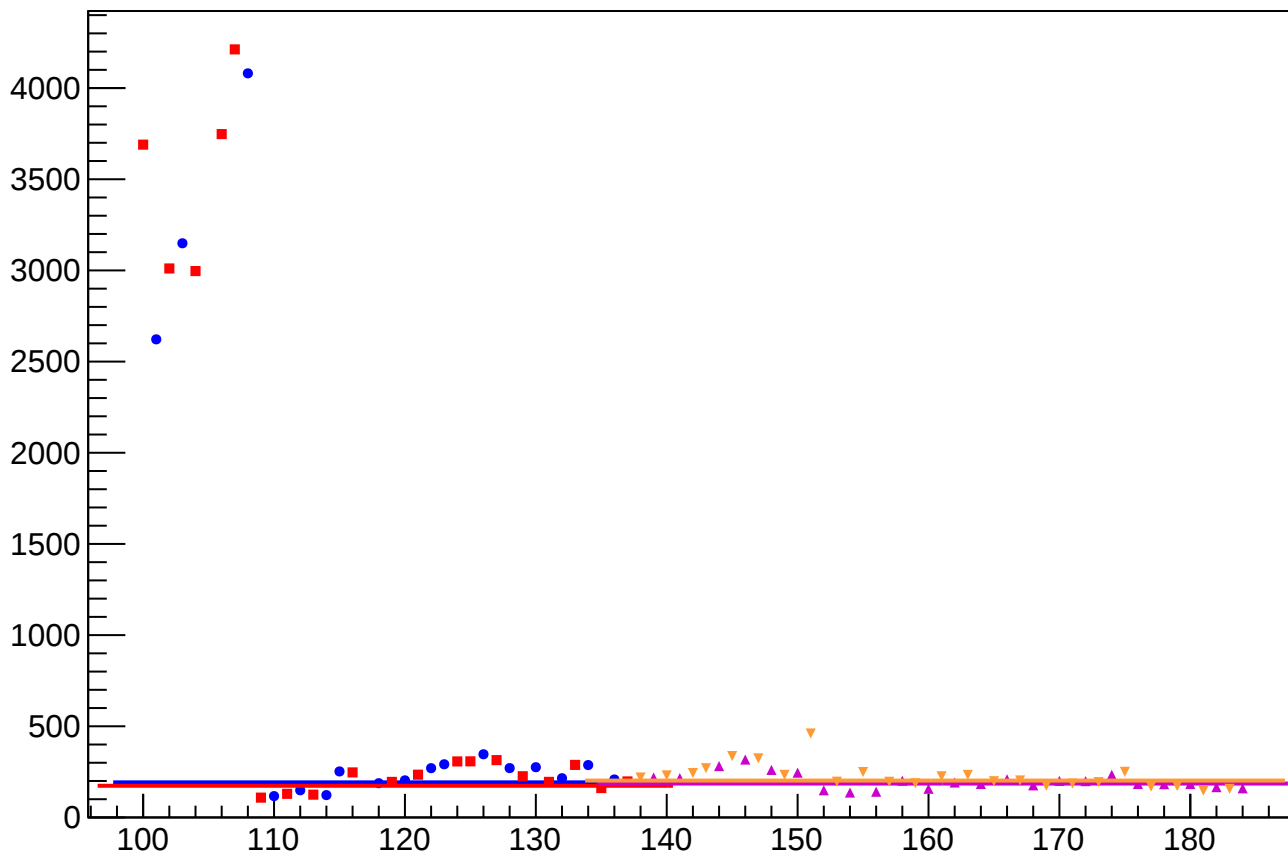
Right: 42.329+/-60.036 χ^2/NDF : 24.1/35

In: 45.383+/-41.078 χ^2/NDF : 20.2/39

Out: -9.905+/-42.150 χ^2/NDF : 18.8/42

All: 18.451+/-29.418 χ^2/NDF : 39.9/82

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: 202.230+/-0.035 χ^2/NDF : 1792576.1/23

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: 193.529+/-0.024 χ^2/NDF : 3291629.8/46

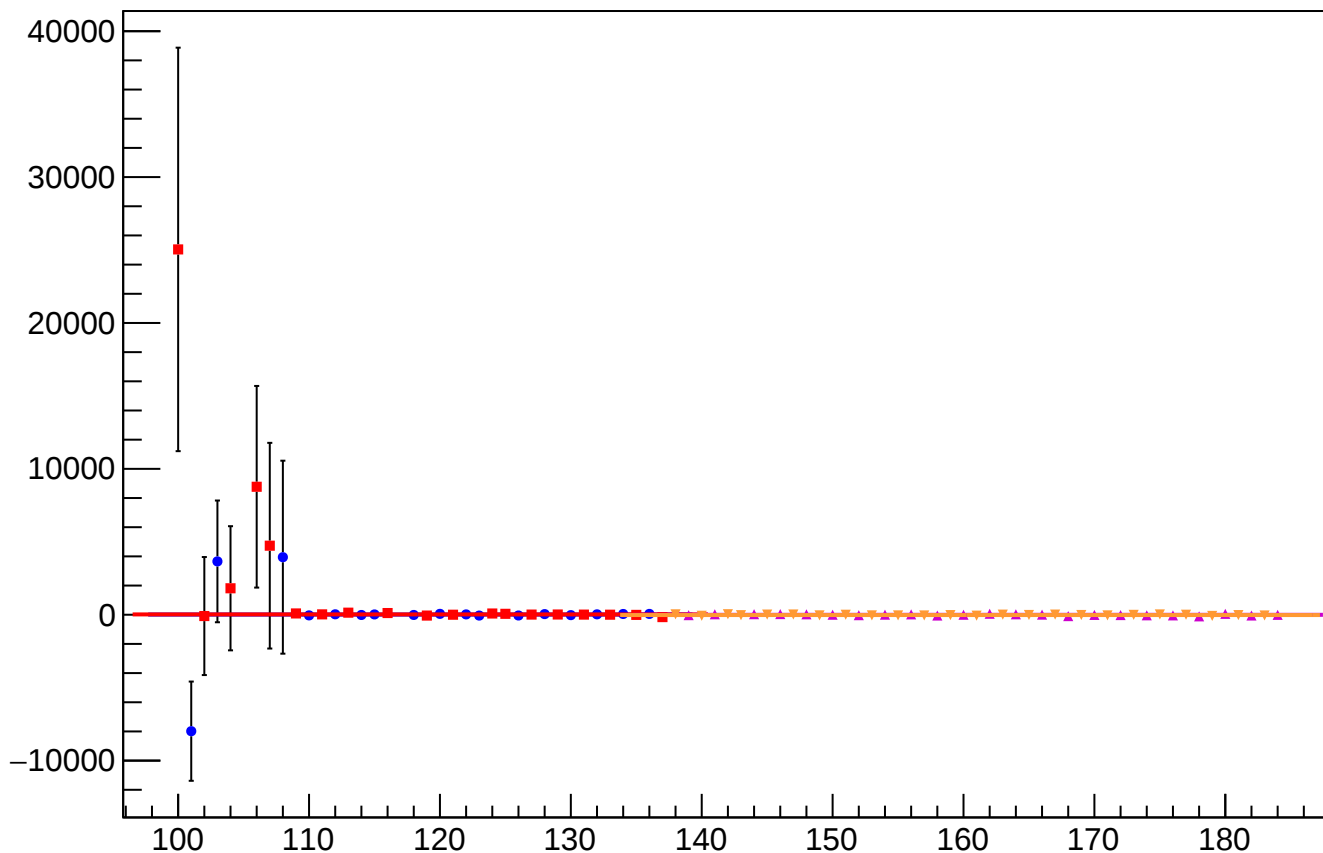
Right: 182.238+/-0.042 χ^2/NDF : 7831562.8/35

In: 187.250+/-0.029 χ^2/NDF : 4968142.2/39

Out: 194.574+/-0.030 χ^2/NDF : 6177831.2/42

All: 190.818+/-0.021 χ^2/NDF : 11176947.1/82

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: -21.811 $\pm$ 7.404 χ^2 /NDF:17.9/23

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: -14.032 $\pm$ 5.286 χ^2 /NDF: 58.5/46

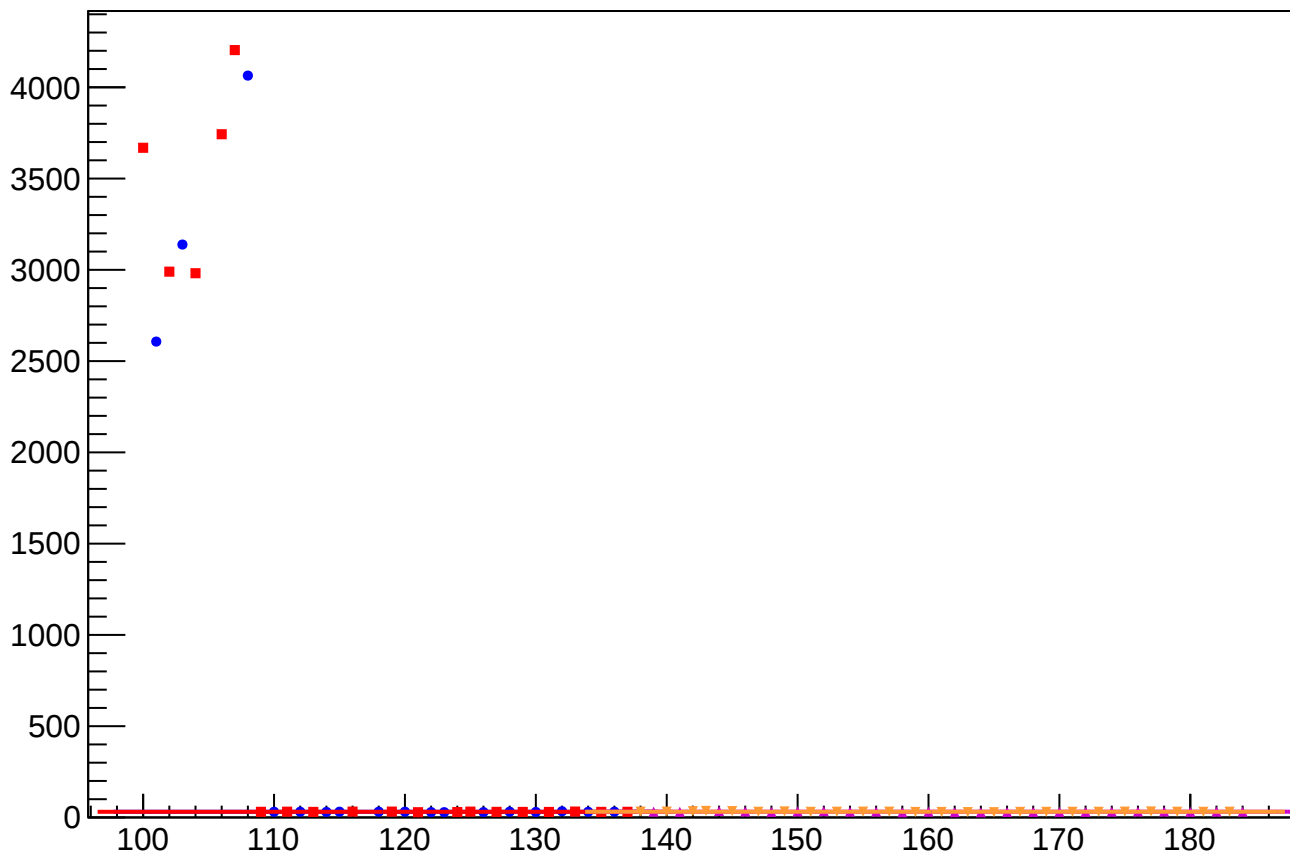
Right: 17.239 $\pm$ 9.712 χ^2 /NDF: 42.7/35

In: -1.719 $\pm$ 6.620 χ^2 /NDF:54.2/39

Out: -11.886 $\pm$ 6.514 χ^2 /NDF:53.7/42

All: -6.885 $\pm$ 4.643 χ^2 /NDF: 109.1/82

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.184 $\pm$ 0.010 χ^2 /NDF: 3014248.1/16

Left Out: 31.452 $\pm$ 0.005 χ^2 /NDF: 77425.2/23

Right Out: 30.984 $\pm$ 0.010 χ^2 /NDF: 3458879.7/18

Left In: 31.484 $\pm$ 0.005 χ^2 /NDF: 87981.1/22

Left: 31.468 $\pm$ 0.004 χ^2 /NDF: 165425.2/46

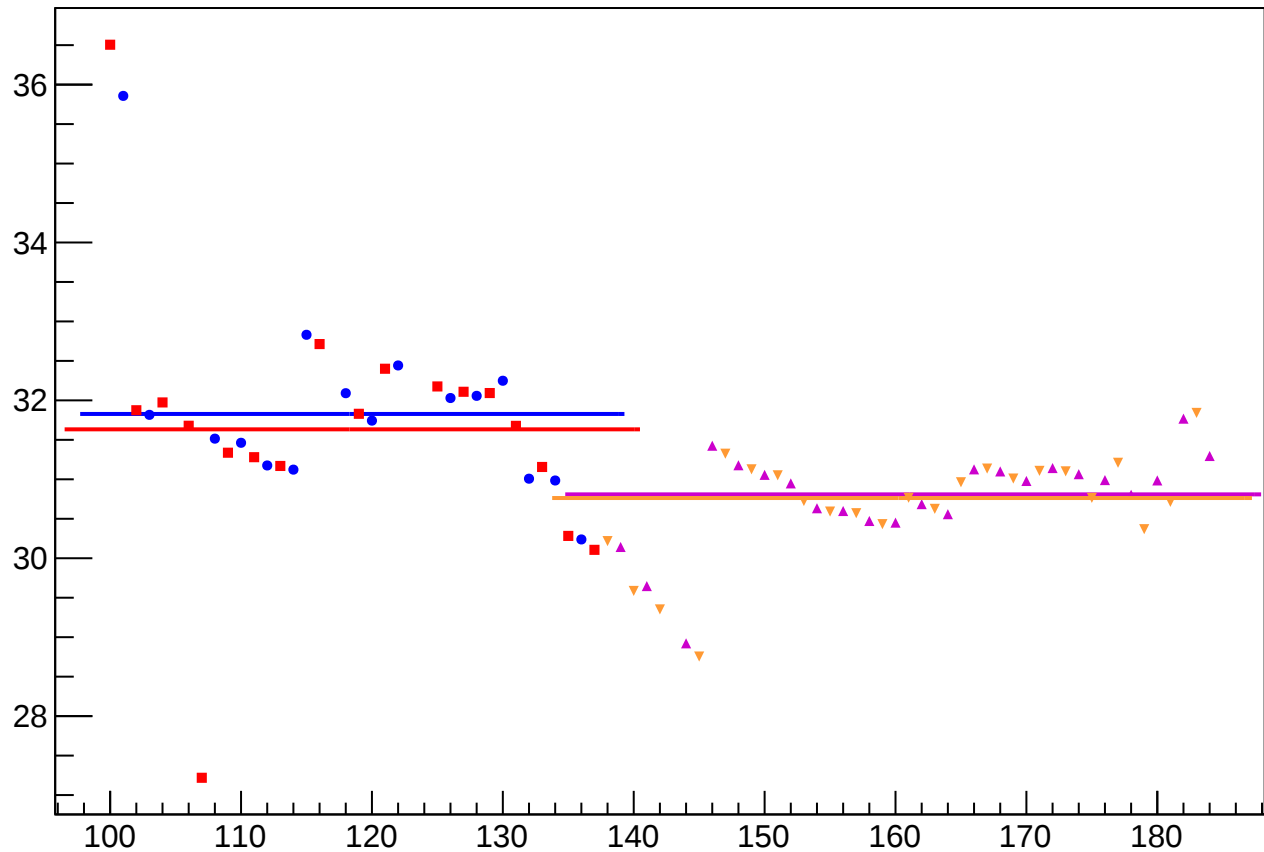
Right: 31.084 $\pm$ 0.007 χ^2 /NDF: 6473339.7/35

In: 31.415 $\pm$ 0.005 χ^2 /NDF: 3102959.8/39

Out: 31.346 $\pm$ 0.005 χ^2 /NDF: 3538107.5/42

All: 31.380 $\pm$ 0.003 χ^2 /NDF: 6641177.2/82

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.828+/-0.000 χ^2/NDF : 1553310195.5/15

Left Out: 30.763+/-0.000 χ^2/NDF : 882809834.8/22

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: 30.786+/-0.000 χ^2/NDF : 1707652719.3/45

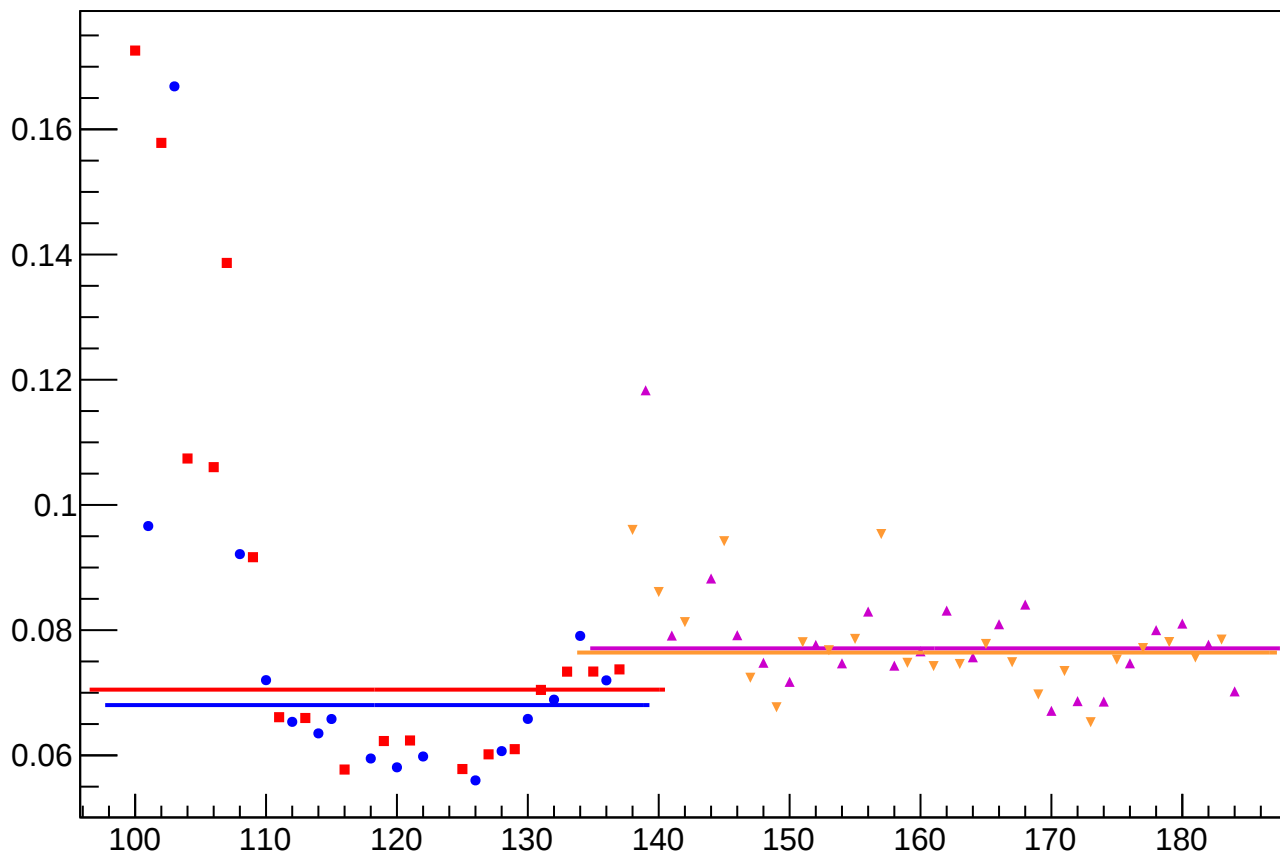
Right: 31.733+/-0.000 χ^2/NDF : 2437244859.0/33

In: 31.133+/-0.000 χ^2/NDF : 3255285062.3/38

Out: 31.028+/-0.000 χ^2/NDF : 2367953391.2/40

All: 31.081+/-0.000 χ^2/NDF : 5644856500.6/77

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF : 632212.4/15

Left Out: 0.076+/-0.000 χ^2/NDF :269134.0/22

Right Out: 0.070+/-0.000 χ^2/NDF : 838852.0/17

Left In: 0.077+/-0.000 χ^2/NDF :325844.3/22

Left: 0.077+/-0.000 χ^2/NDF : 596176.0/45

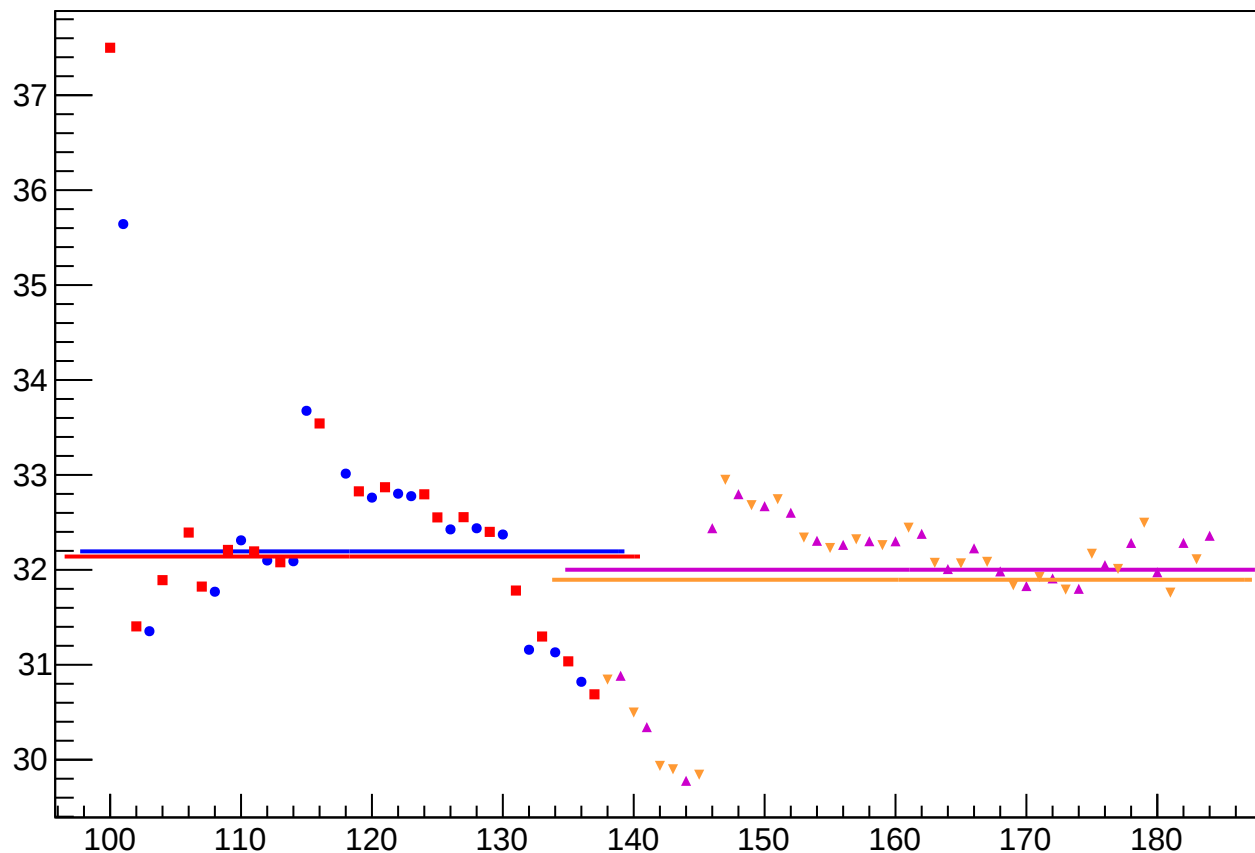
Right: 0.069+/-0.000 χ^2/NDF : 1478459.9/33

In: 0.074+/-0.000 χ^2/NDF :1097293.1/38

Out: 0.075+/-0.000 χ^2/NDF :1165876.3/40

All: 0.074+/-0.000 χ^2/NDF : 2263823.3/79

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.195+/-0.000 χ^2/NDF : 1002008039.3/16

Left Out: 31.896+/-0.000 χ^2/NDF : 1896069373.1/23

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: 31.948+/-0.000 χ^2/NDF : 3322682918.2/46

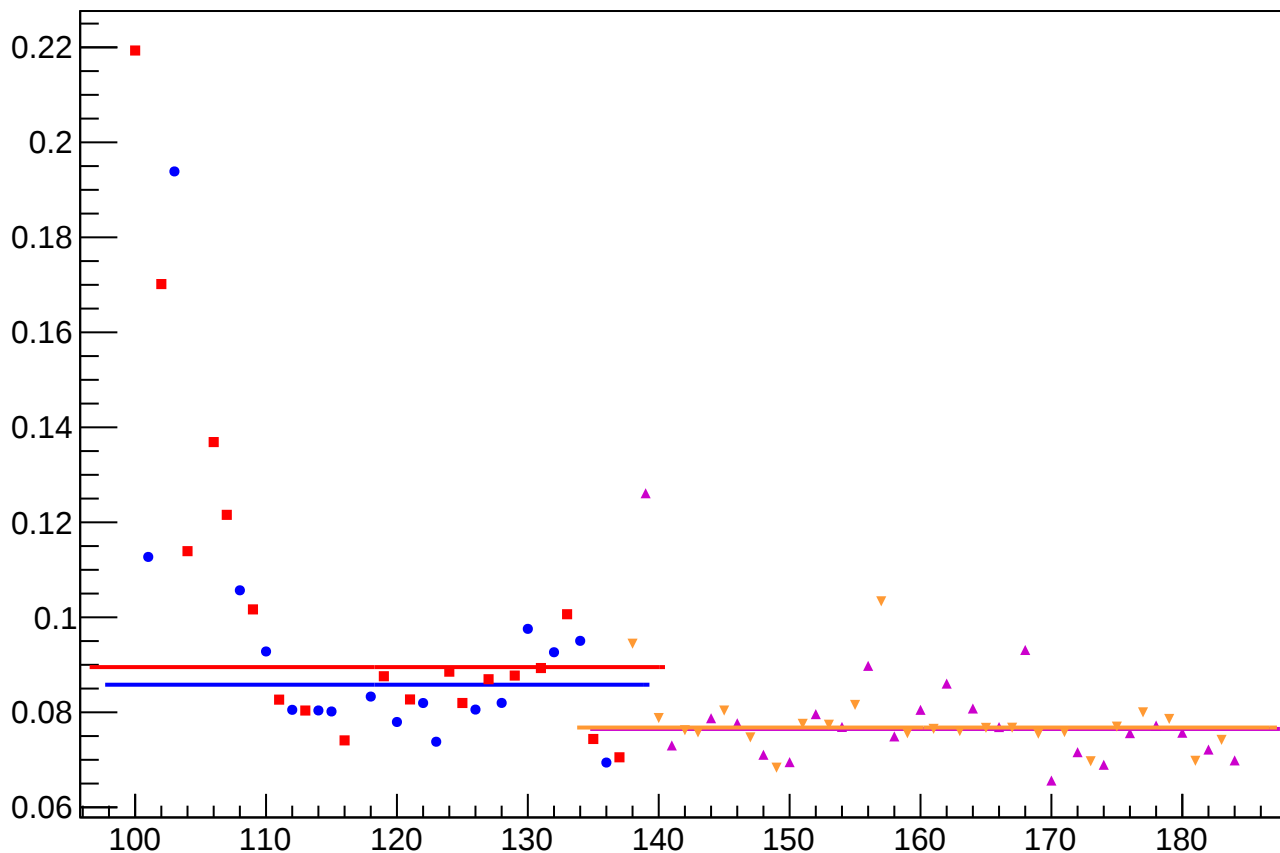
Right: 32.168+/-0.000 χ^2/NDF : 1424570223.8/35

In: 32.044+/-0.000 χ^2/NDF : 2435921536.4/39

Out: 31.948+/-0.000 χ^2/NDF : 2353454680.1/42

All: 31.996+/-0.000 χ^2/NDF : 4805817303.2/80

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 : 200917.5/23

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 : 633723.2/46

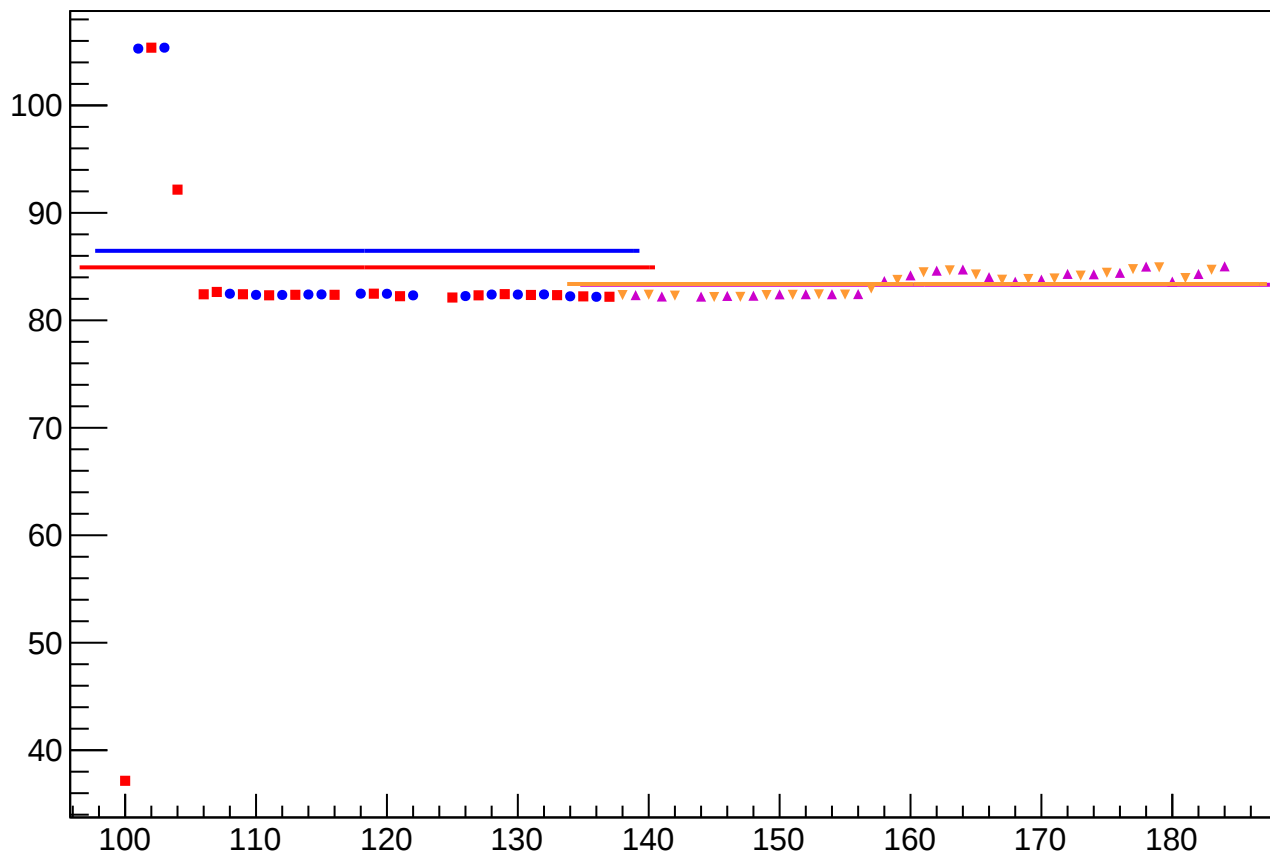
Right: 0.088+/-0.000 χ^2/NDF : 1104533.7/35

In: 0.079+/-0.000 χ^2/NDF : 1093212.5/39

Out: 0.080+/-0.000 χ^2/NDF : 934533.6/42

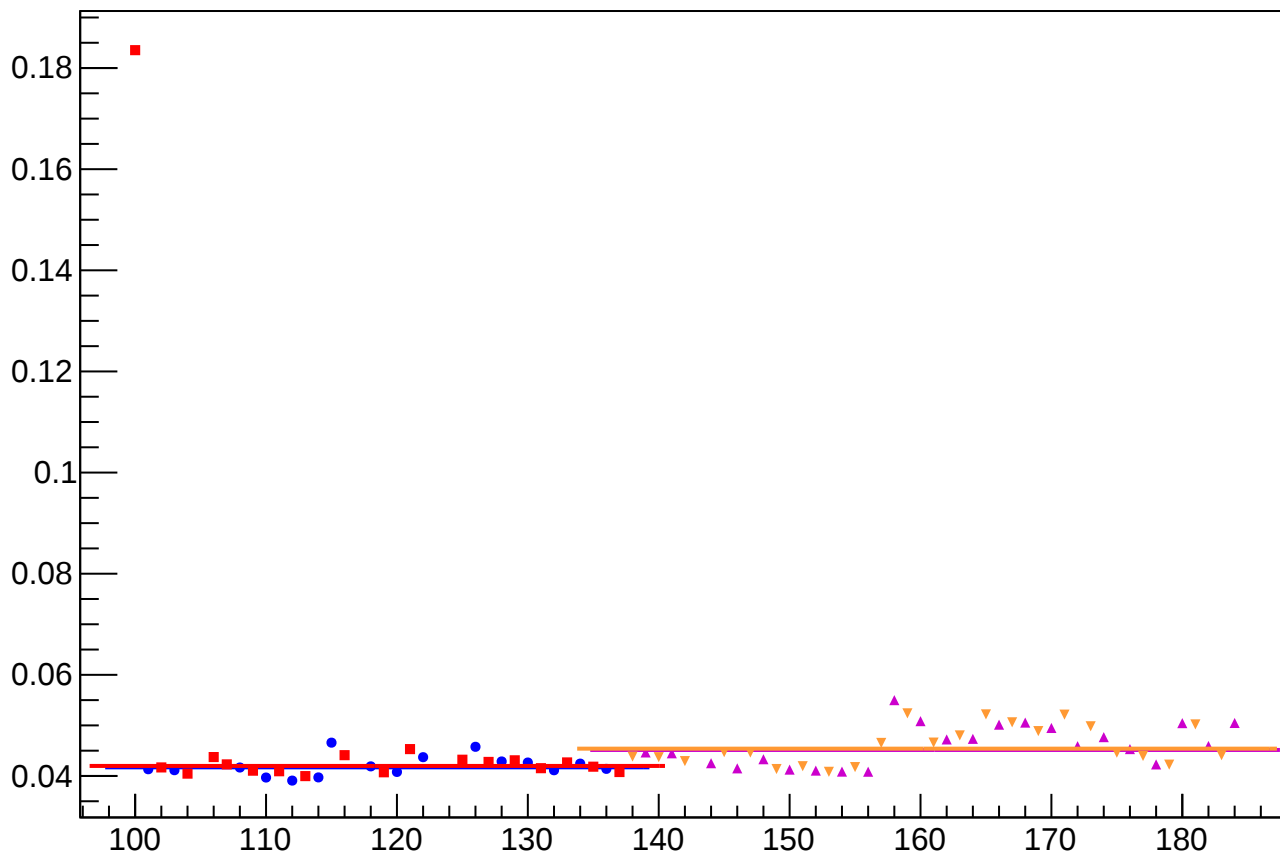
All: 0.079+/-0.000 χ^2/NDF : 2030954.5/82

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.468+/-0.000	χ^2/NDF : 291253714999.8/15	Left: 83.345+/-0.000	χ^2/NDF : 16936603791.1/45
Left Out: 83.381+/-0.000	χ^2/NDF : 8493538839.1/22	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: 83.880+/-0.000	χ^2/NDF : 186908817796.3/40
		All: 84.086+/-0.000	χ^2/NDF : 513442007628.

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:204996.4/22

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: 448435.1/45

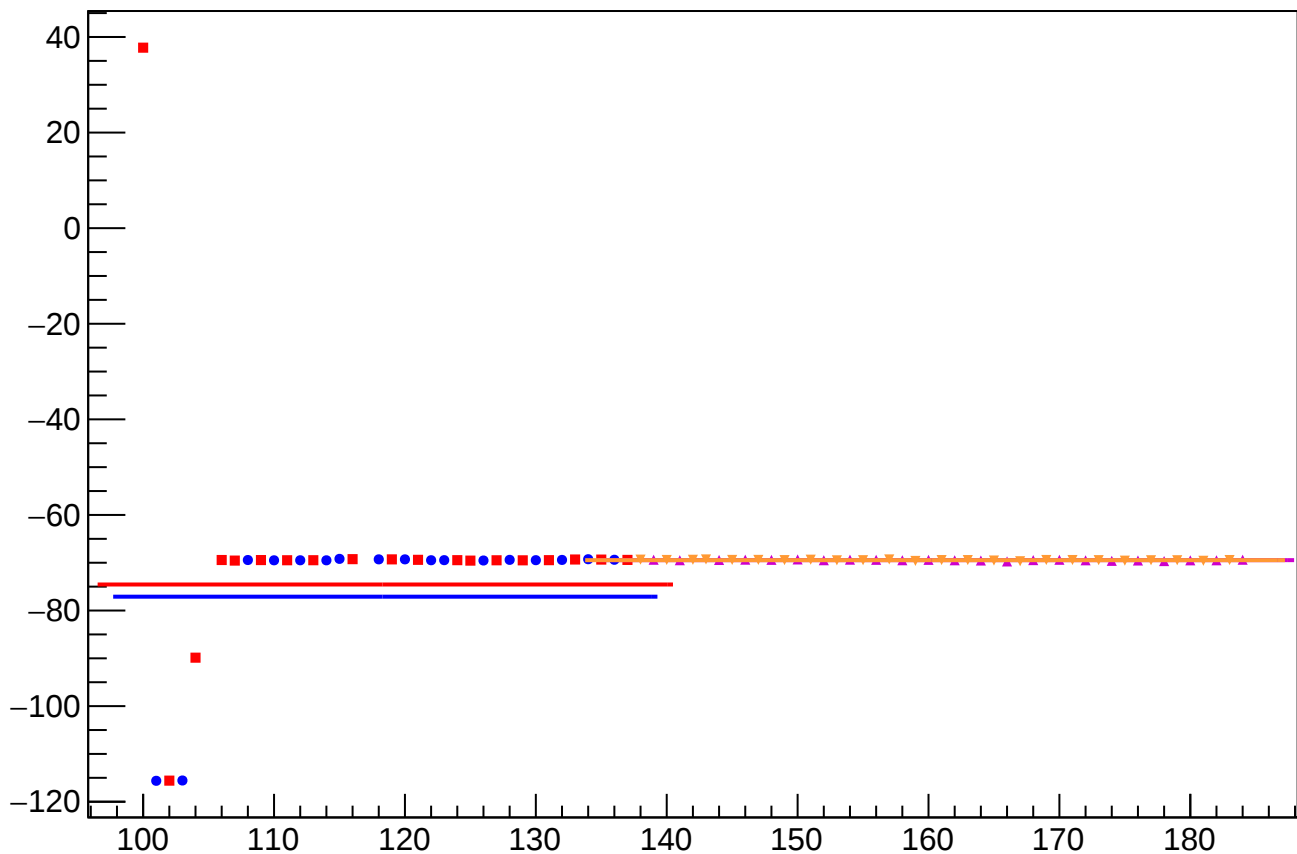
Right: 0.042 $\pm$ 0.000 χ^2 /NDF: 116719.0/33

In: 0.044 $\pm$ 0.000 χ^2 /NDF:323382.4/38

Out: 0.044 $\pm$ 0.000 χ^2 /NDF:363605.3/40

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 687602.5/79

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.101+/-0.000 χ^2/NDF : 564992278701.1/16

Left Out: -69.464+/-0.000 χ^2/NDF : 47676478.7/23

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: -69.461+/-0.000 χ^2/NDF : 100560503.3/46

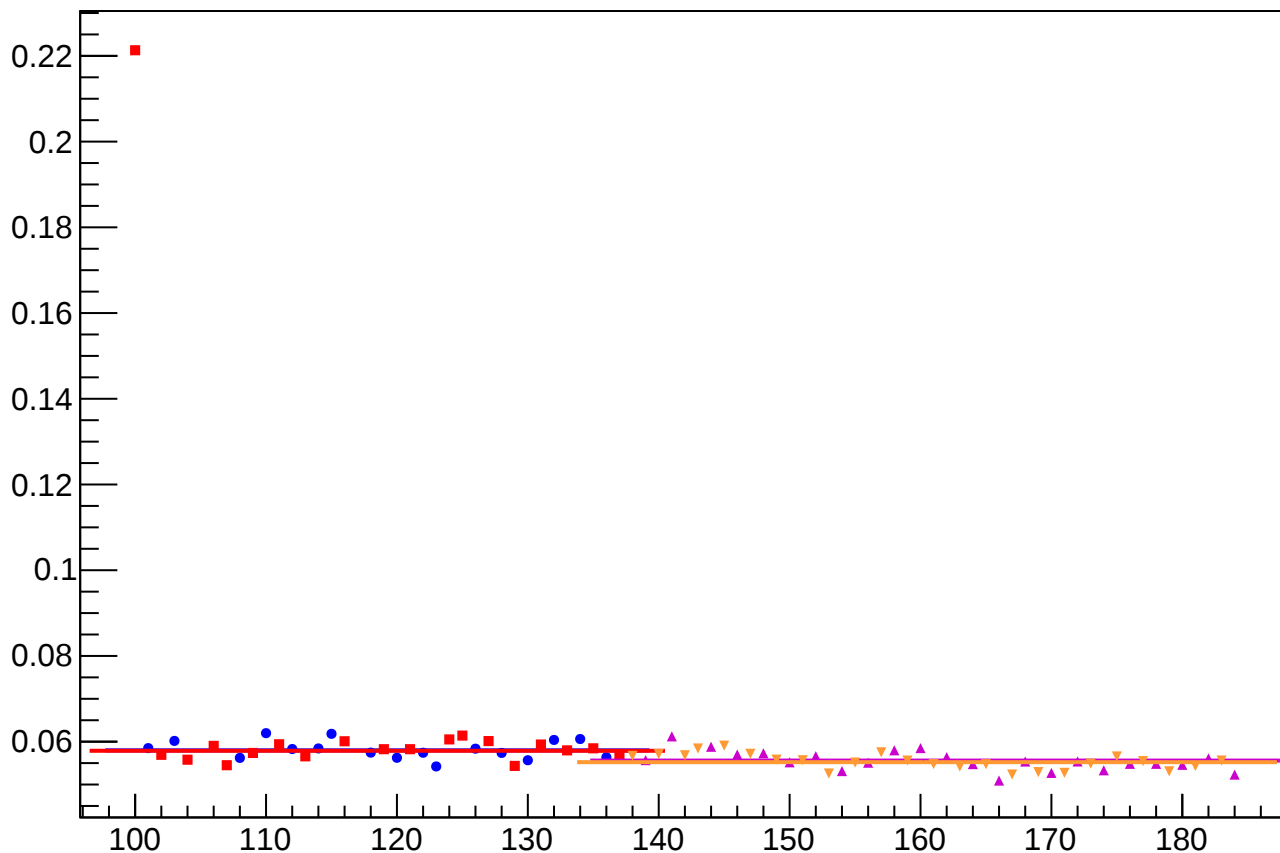
Right: -75.784+/-0.000 χ^2/NDF : 943228509649.0/3

In: -71.440+/-0.000 χ^2/NDF : 647611656547.7/39

Out: -70.802+/-0.000 χ^2/NDF : 410813299071.9/42

All: -71.113+/-0.000 χ^2/NDF : 105996167856

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF : 12317.7/16

Left Out: 0.055+/-0.000 χ^2/NDF : 37204.1/23

Right Out: 0.058+/-0.000 χ^2/NDF : 87700.9/18

Left In: 0.056+/-0.000 χ^2/NDF : 52190.5/22

Left: 0.055+/-0.000 χ^2/NDF : 90183.3/46

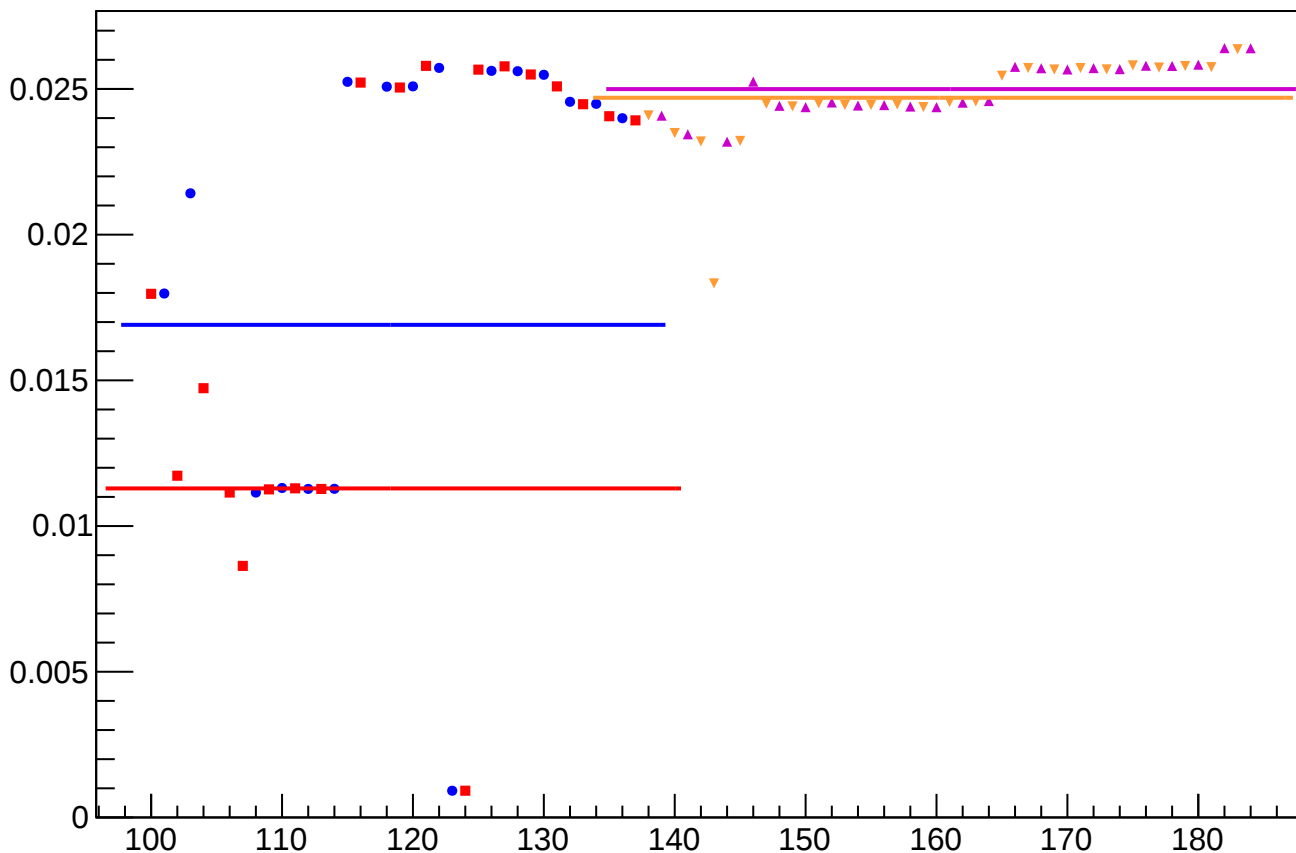
Right: 0.058+/-0.000 χ^2/NDF : 100037.7/35

In: 0.056+/-0.000 χ^2/NDF : 80521.9/39

Out: 0.056+/-0.000 χ^2/NDF : 146145.1/42

All: 0.056+/-0.000 χ^2/NDF : 227320.1/82

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.000

χ^2/NDF : 126025885261.2/16

Left: 0.025+/-0.000

χ^2/NDF : 11117136059.9/46

Left Out: 0.025+/-0.000

χ^2/NDF : 8496514805.8/23

Right: 0.014+/-0.000

χ^2/NDF : 390315372797.0/35

Right Out: 0.011+/-0.000

χ^2/NDF : 233231439443.8/18

In: 0.022+/-0.000

χ^2/NDF : 202807995367.9/39

Out: 0.019+/-0.000

χ^2/NDF : 501019192983.8/42

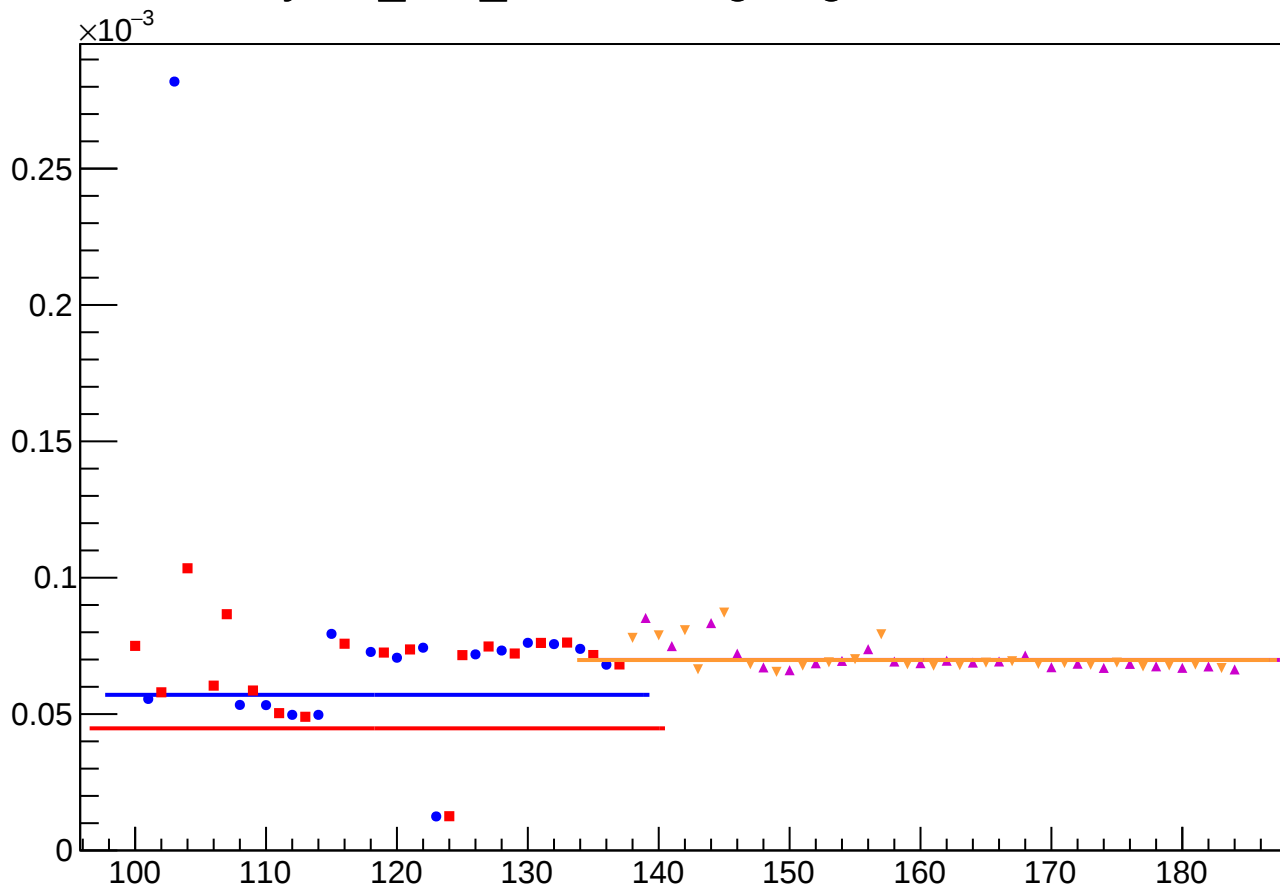
Left In: 0.025+/-0.000

χ^2/NDF : 2462473687.7/22

All: 0.021+/-0.000

χ^2/NDF : 729101588075.8

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 :154703.1/23

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 : 283997.9/46

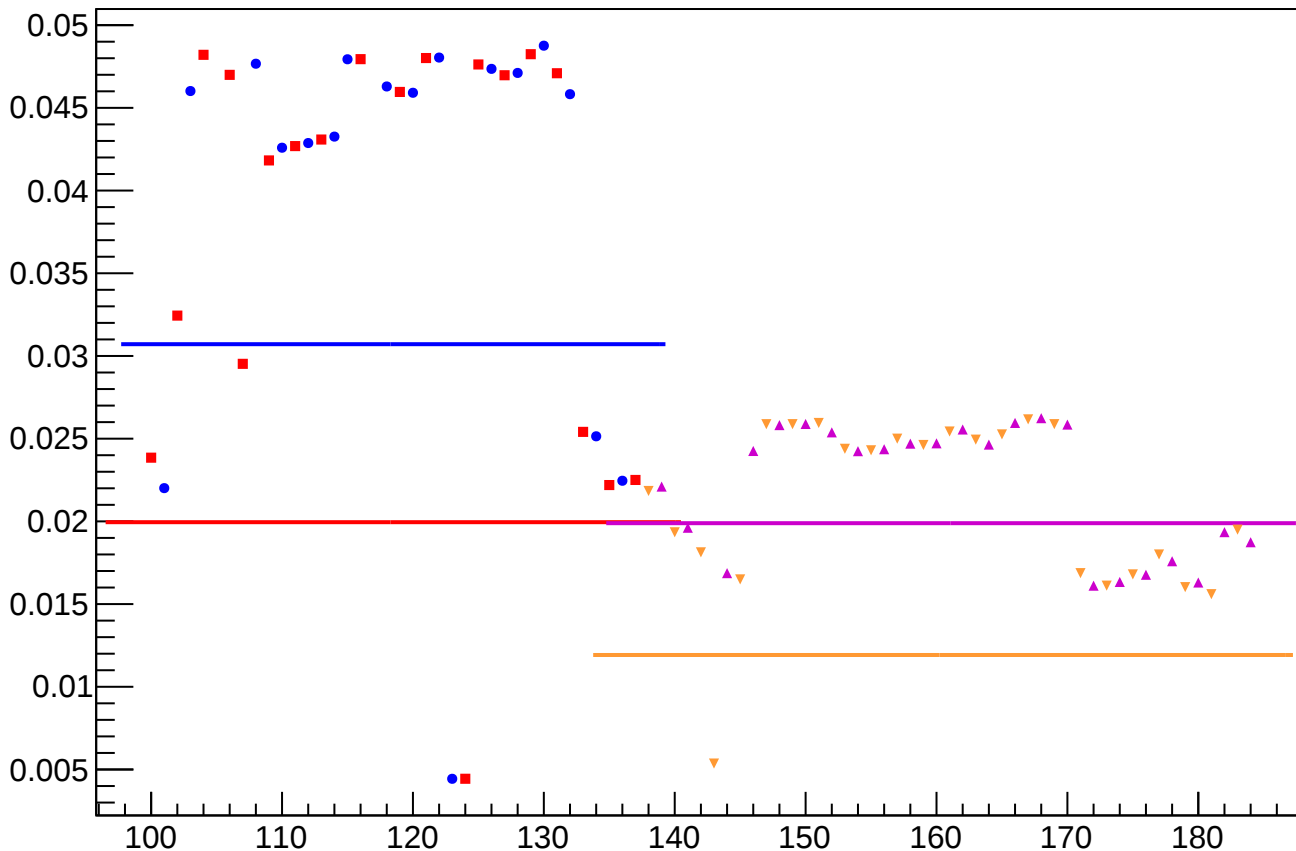
Right: 0.000+/-0.000 χ^2/NDF : 5880543.5/35

In: 0.000+/-0.000 χ^2/NDF :2499538.5/39

Out: 0.000+/-0.000 χ^2/NDF :5549170.6/42

All: 0.000+/-0.000 χ^2/NDF : 8239744.6/82

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 : 54596086496.5/46

Left Out: 0.012+/-0.000

χ^2/NDF : 37350502199.7/23

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 : 83499870824.0/42

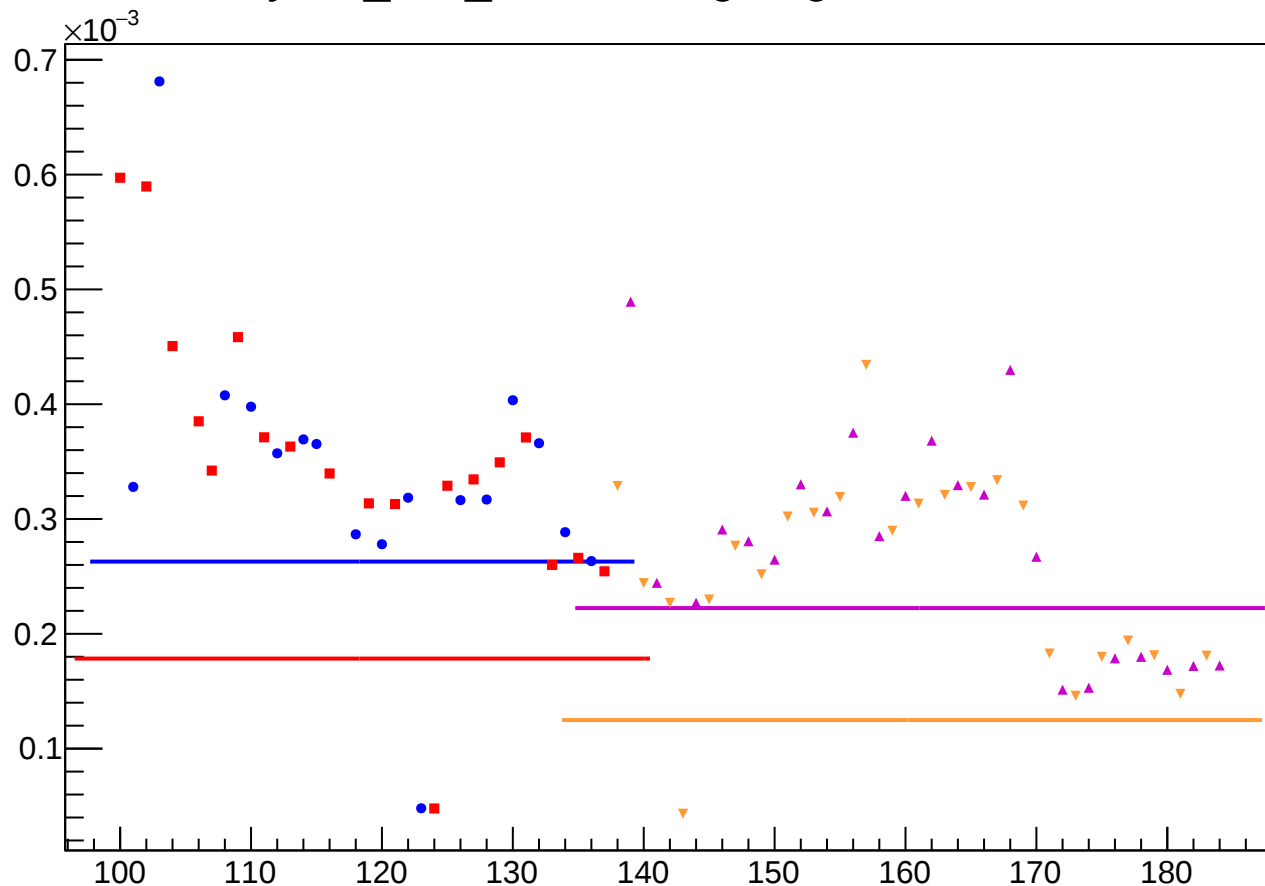
Left In: 0.020+/-0.000

χ^2/NDF : 4458790813.3/22

All: 0.016+/-0.000

χ^2/NDF : 134971632019.9

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 :12747826.6/23

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 : 19862767.8/46

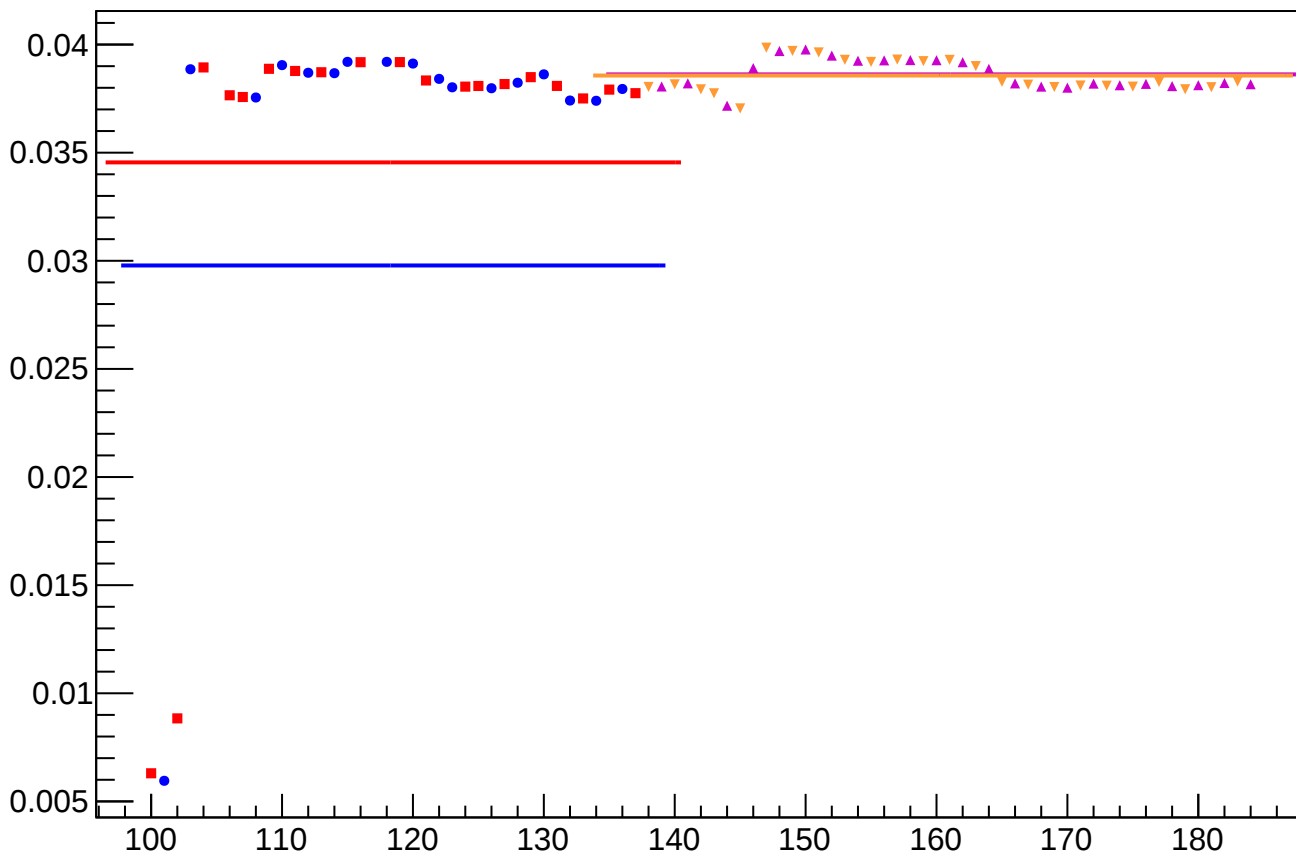
Right: 0.000+/-0.000 χ^2/NDF : 8355047.6/35

In: 0.000+/-0.000 χ^2/NDF :5861406.4/39

Out: 0.000+/-0.000 χ^2/NDF :18648724.6/42

All: 0.000+/-0.000 χ^2/NDF : 29165674.4/82

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030 $\pm$ 0.000

χ^2/NDF : 96939094269.8/16

Left: 0.039 $\pm$ 0.000

χ^2/NDF : 1001885595.4/46

Left Out: 0.039 $\pm$ 0.000

χ^2/NDF : 534756849.6/23

Right: 0.032 $\pm$ 0.000

χ^2/NDF : 145599934598.0/35

Right Out: 0.035 $\pm$ 0.000

χ^2/NDF : 43542773475.9/18

In: 0.036 $\pm$ 0.000

χ^2/NDF : 122558573059.1/39

Out: 0.037 $\pm$ 0.000

χ^2/NDF : 49020778493.7/42

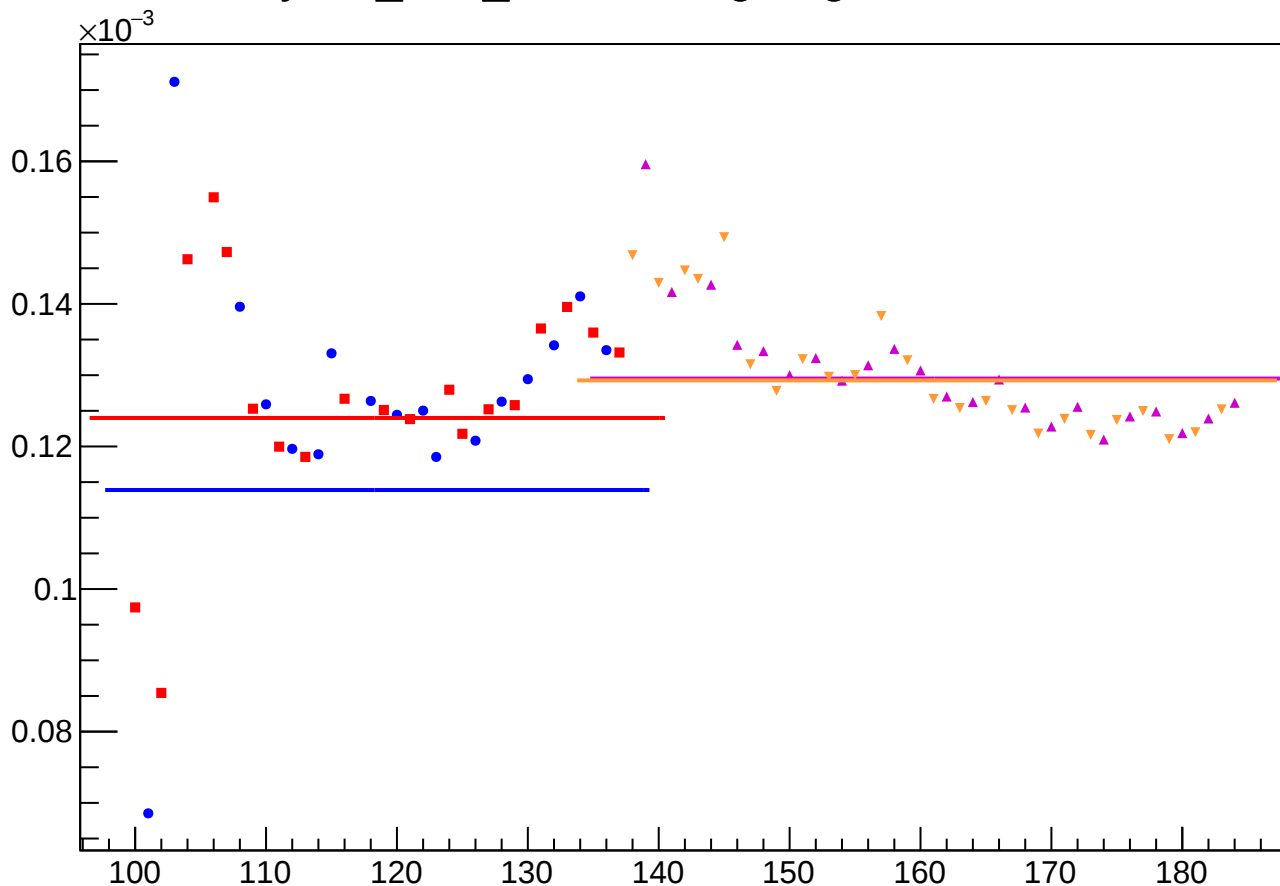
Left In: 0.039 $\pm$ 0.000

χ^2/NDF : 465745982.6/22

All: 0.037 $\pm$ 0.000

χ^2/NDF : 173440978544.3

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 :129242.2/23

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 : 244075.9/46

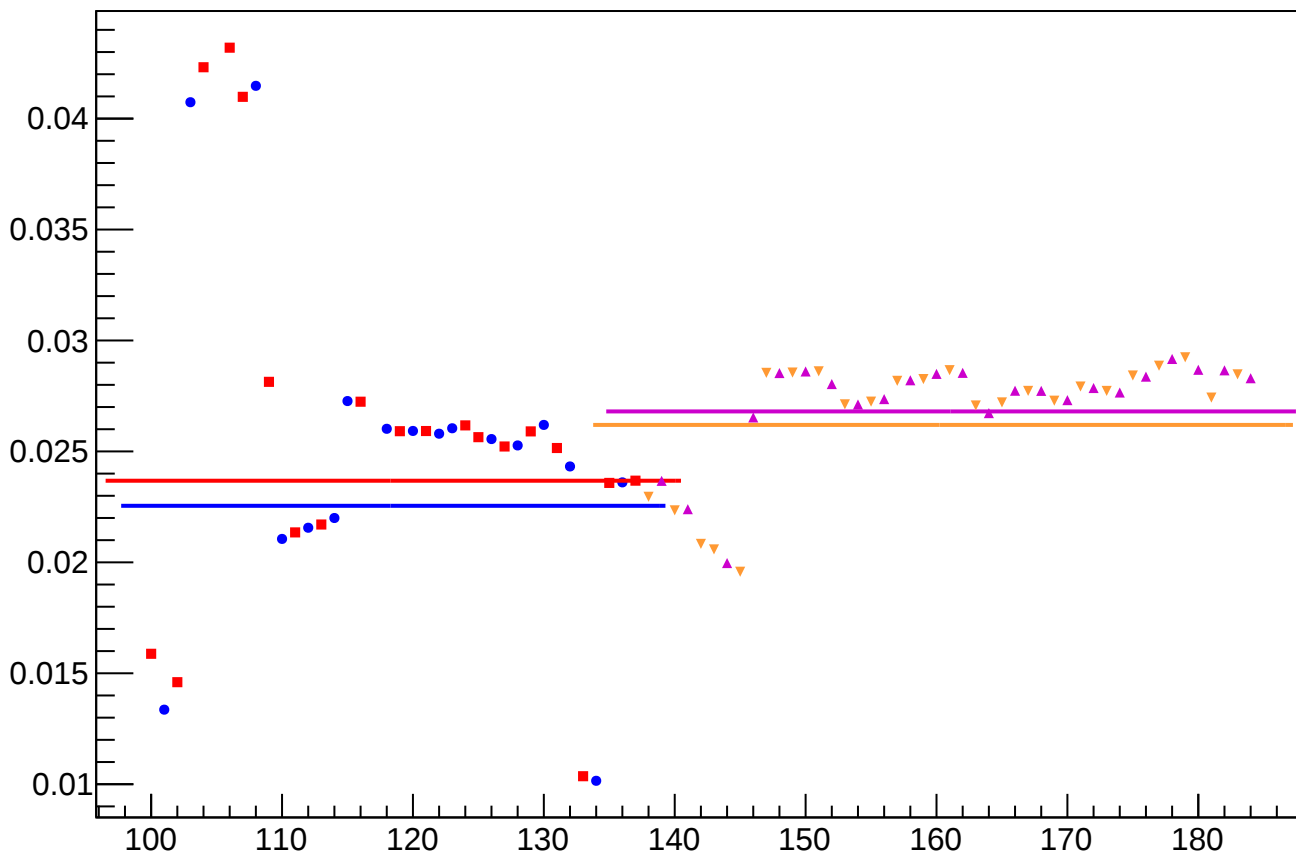
Right: 0.000+/-0.000 χ^2/NDF : 1084124.4/35

In: 0.000+/-0.000 χ^2/NDF :1065379.3/39

Out: 0.000+/-0.000 χ^2/NDF :391306.8/42

All: 0.000+/-0.000 χ^2/NDF : 1471591.0/82

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 4235847516.4/16

Left Out: 0.026+/-0.000 χ^2/NDF :1972590580.4/23

Right Out: 0.024+/-0.000 χ^2/NDF : 5643986297.3/18

Left In: 0.027+/-0.000 χ^2/NDF :1332033607.7/22

Left: 0.026+/-0.000 χ^2/NDF : 3339828994.0/46

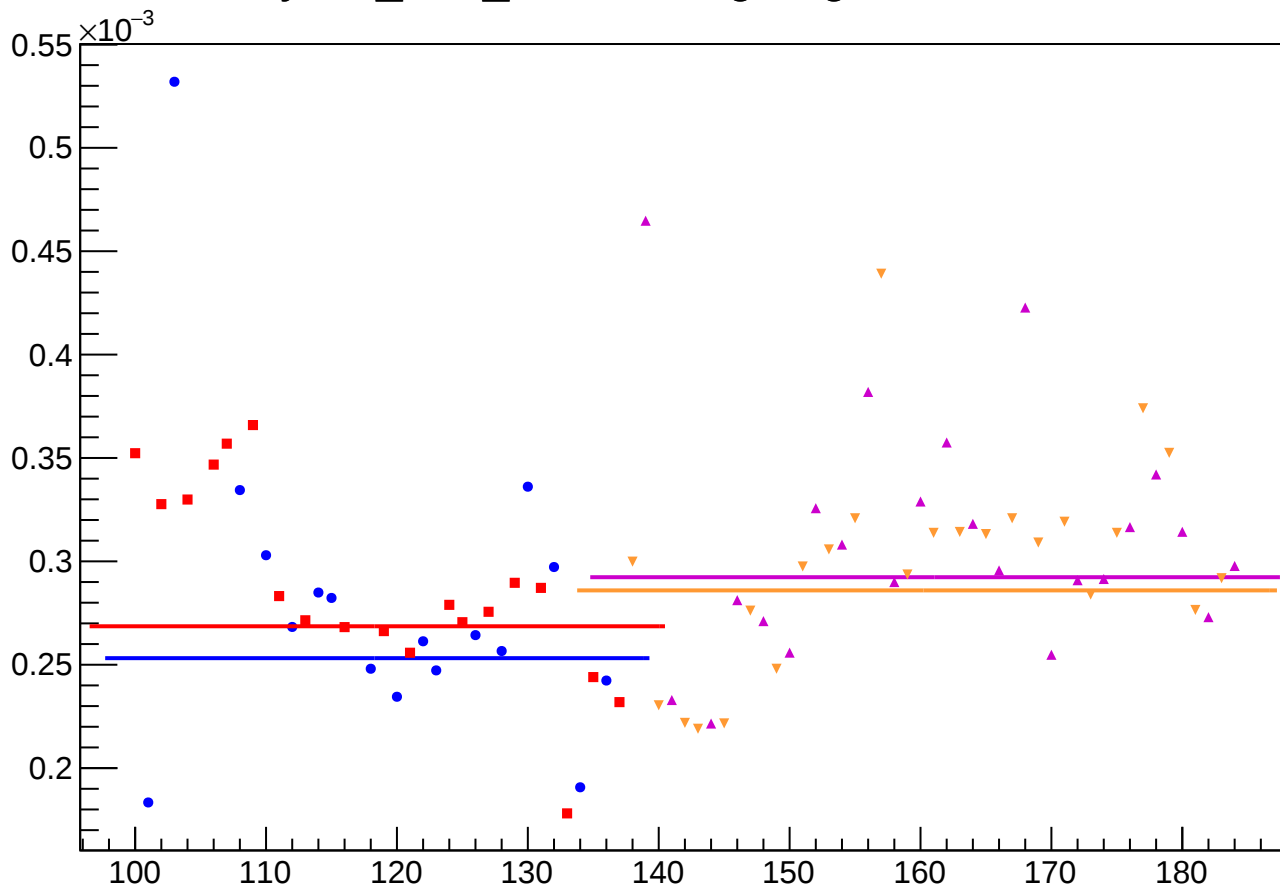
Right: 0.023+/-0.000 χ^2/NDF : 9935654674.4/35

In: 0.025+/-0.000 χ^2/NDF :6662492696.7/39

Out: 0.025+/-0.000 χ^2/NDF :7991915596.0/42

All: 0.025+/-0.000 χ^2/NDF : 14654498194.0/8

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 : 785324.1/23

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 : 1691848.3/46

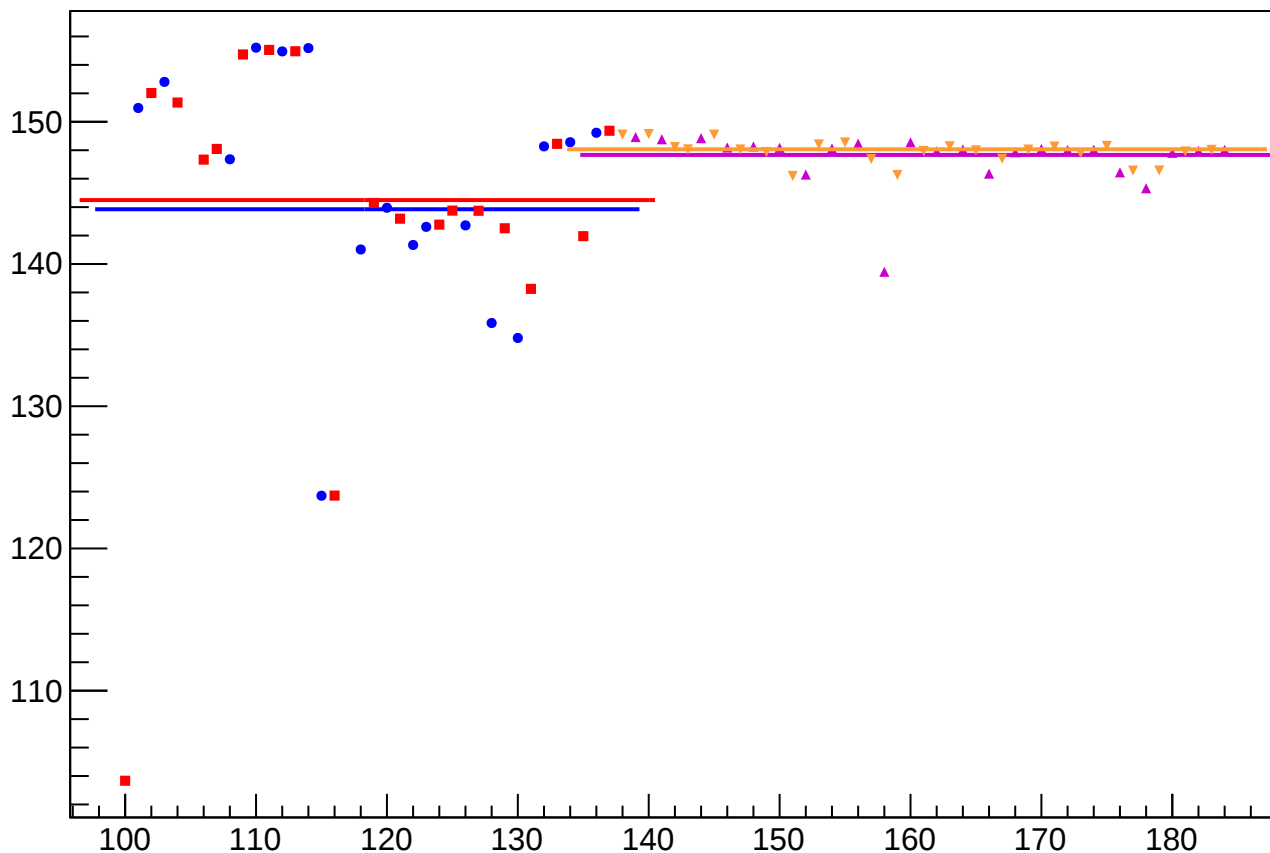
Right: 0.000+/-0.000 χ^2/NDF : 1075285.0/35

In: 0.000+/-0.000 χ^2/NDF : 1710609.4/39

Out: 0.000+/-0.000 χ^2/NDF : 1249202.7/42

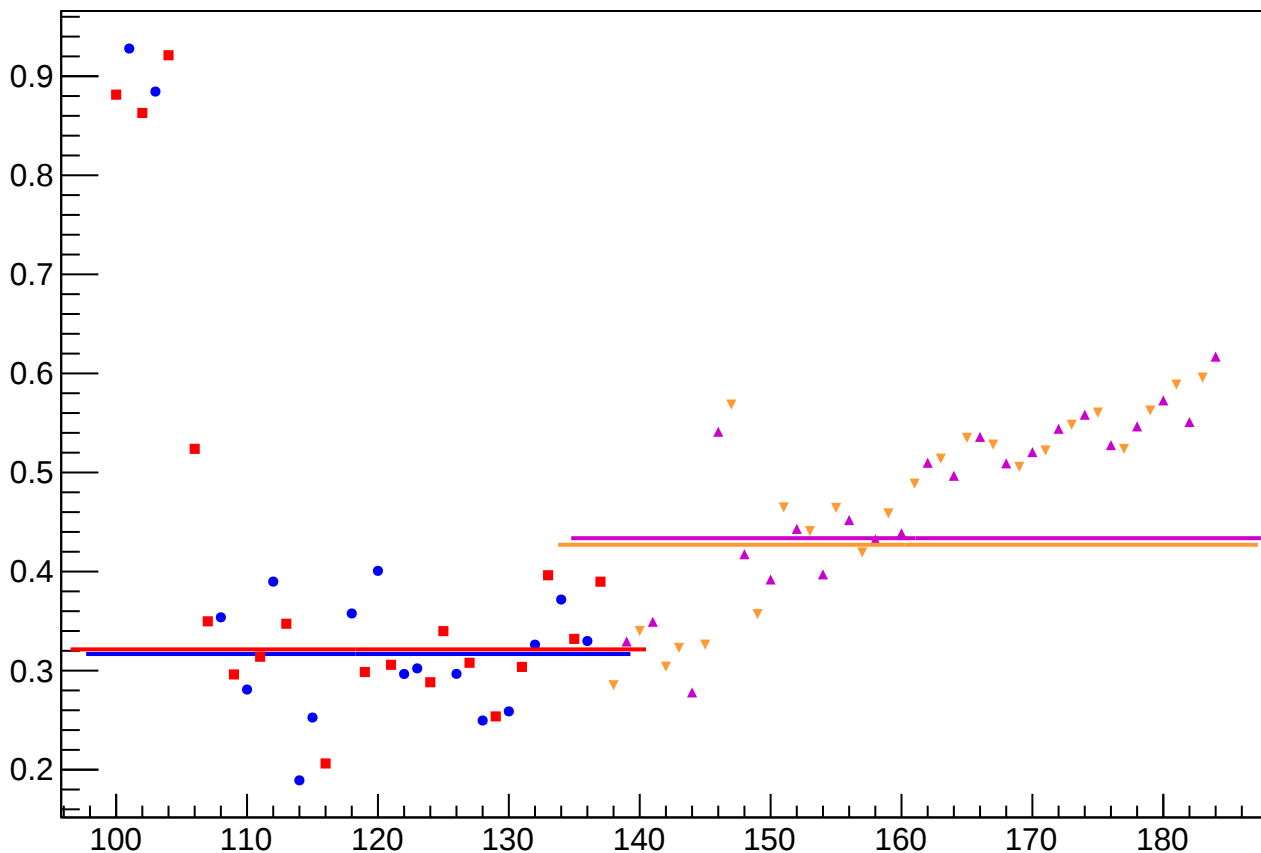
All: 0.000+/-0.000 χ^2/NDF : 2960213.9/82

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.849+/-0.000	χ^2/NDF : 3450807407.9/16	Left: 147.873+/-0.000	χ^2/NDF : 417663994.9/46
Left Out: 148.065+/-0.000	χ^2/NDF : 65515099.6/23	Right: 144.176+/-0.000	χ^2/NDF : 7645857332.7/35
Right Out: 144.495+/-0.000	χ^2/NDF : 4183399255.1/18	In: 146.182+/-0.000	χ^2/NDF : 4287806155.2/39
Left In: 147.670+/-0.000	χ^2/NDF : 345222604.4/22	Out: 146.700+/-0.000	χ^2/NDF : 4693853624.0/42
		All: 146.447+/-0.000	χ^2/NDF : 9001112894.3

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2 /NDF: 1260273.9/16

Left Out: 0.427 $\pm$ 0.000 χ^2 /NDF:1831325.0/23

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: 0.430 $\pm$ 0.000 χ^2 /NDF: 3331544.9/46

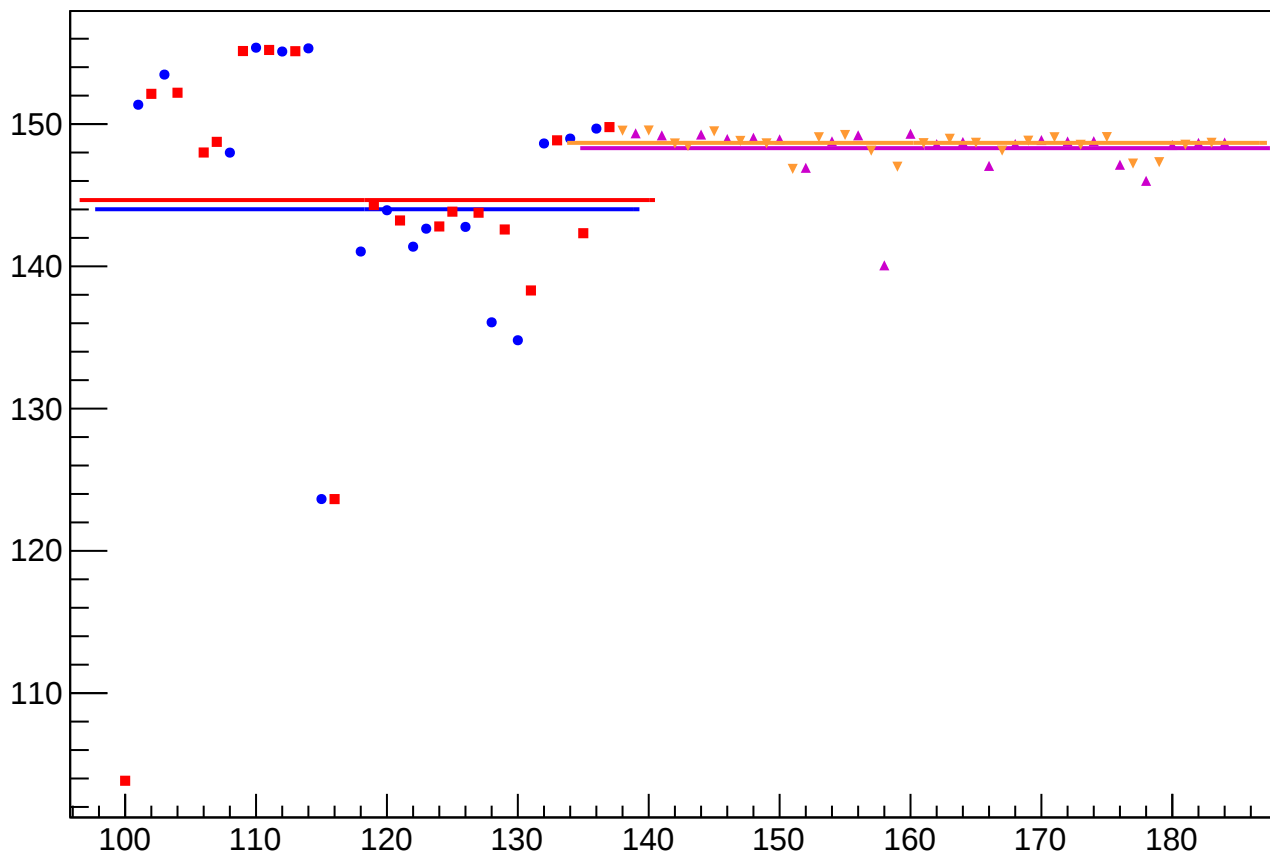
Right: 0.319 $\pm$ 0.000 χ^2 /NDF: 2478025.5/35

In: 0.388 $\pm$ 0.000 χ^2 /NDF:3677264.1/39

Out: 0.387 $\pm$ 0.000 χ^2 /NDF:3826775.8/42

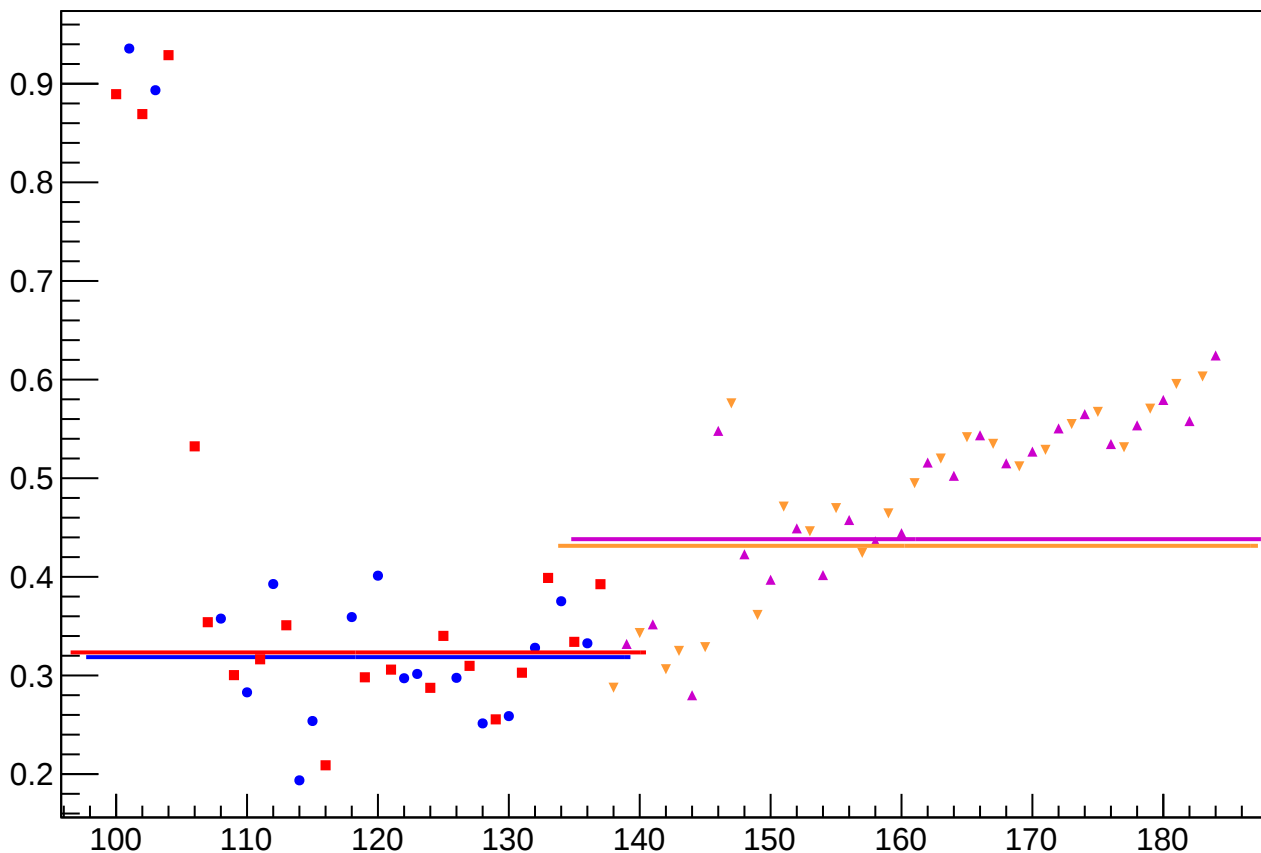
All: 0.387 $\pm$ 0.000 χ^2 /NDF: 7504341.9/82

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.013 $\pm$ 0.000	χ^2 /NDF: 3495287828.5/16	Left: 148.499 $\pm$ 0.000	χ^2 /NDF: 392053871.6/46
Left Out: 148.680 $\pm$ 0.000	χ^2 /NDF: 52446630.3/23	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: 147.134 $\pm$ 0.000	χ^2 /NDF: 4815938196.9/42
		All: 146.884 $\pm$ 0.000	χ^2 /NDF: 9274930241.2

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.319+/-0.000 χ^2/NDF : 1262045.4/16

Left Out: 0.431+/-0.000 χ^2/NDF :1862542.7/23

Right Out: 0.323+/-0.000 χ^2/NDF : 1218896.8/18

Left In: 0.438+/-0.000 χ^2/NDF :1521893.6/22

Left: 0.435+/-0.000 χ^2/NDF : 3388391.3/46

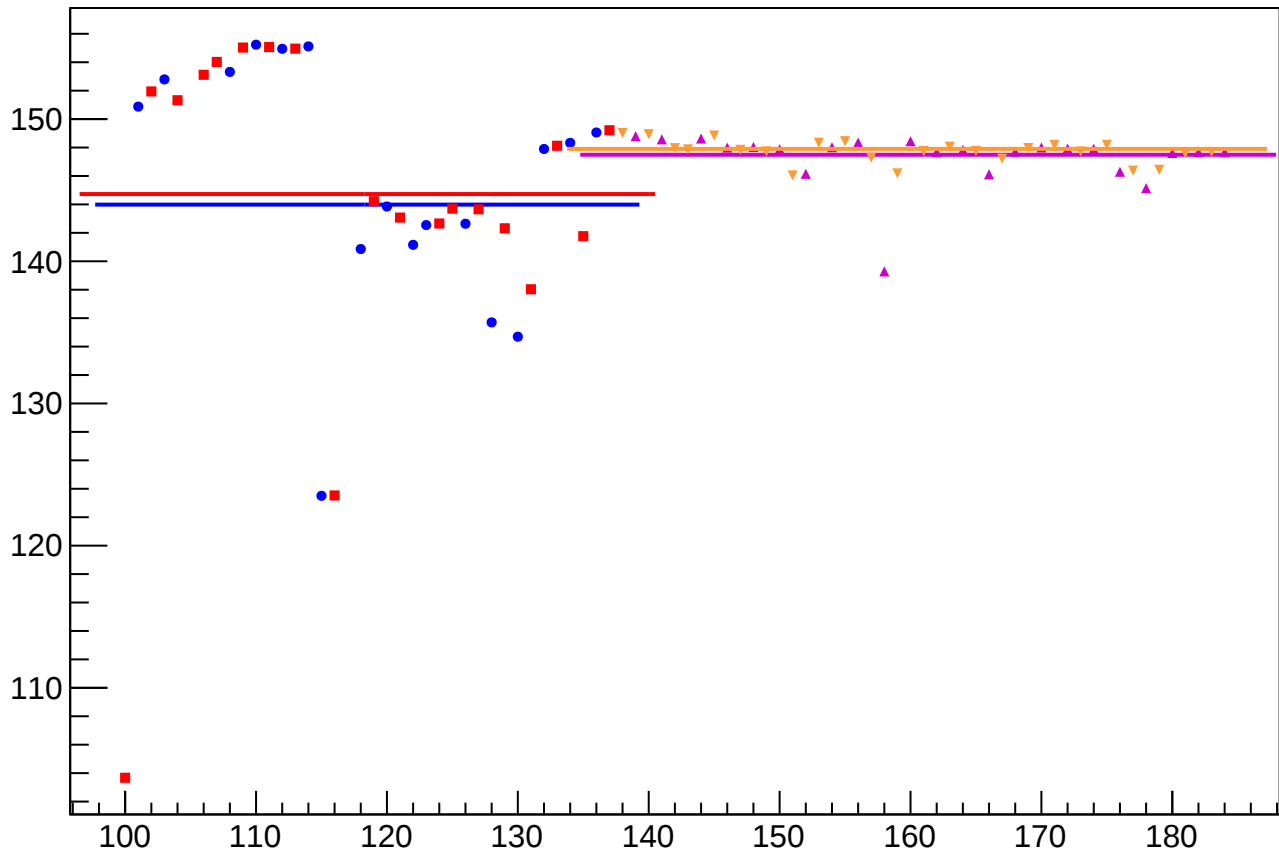
Right: 0.321+/-0.000 χ^2/NDF : 2482206.1/35

In: 0.391+/-0.000 χ^2/NDF :3733054.3/39

Out: 0.390+/-0.000 χ^2/NDF :3884488.5/42

All: 0.391+/-0.000 χ^2/NDF : 7617829.0/82

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.986 $\pm$ 0.000 χ^2 /NDF: 3664472942.4/16

Left Out: 147.905 $\pm$ 0.000 χ^2 /NDF: 64303668.7/23

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: 147.704 $\pm$ 0.000 χ^2 /NDF: 415748039.4/46

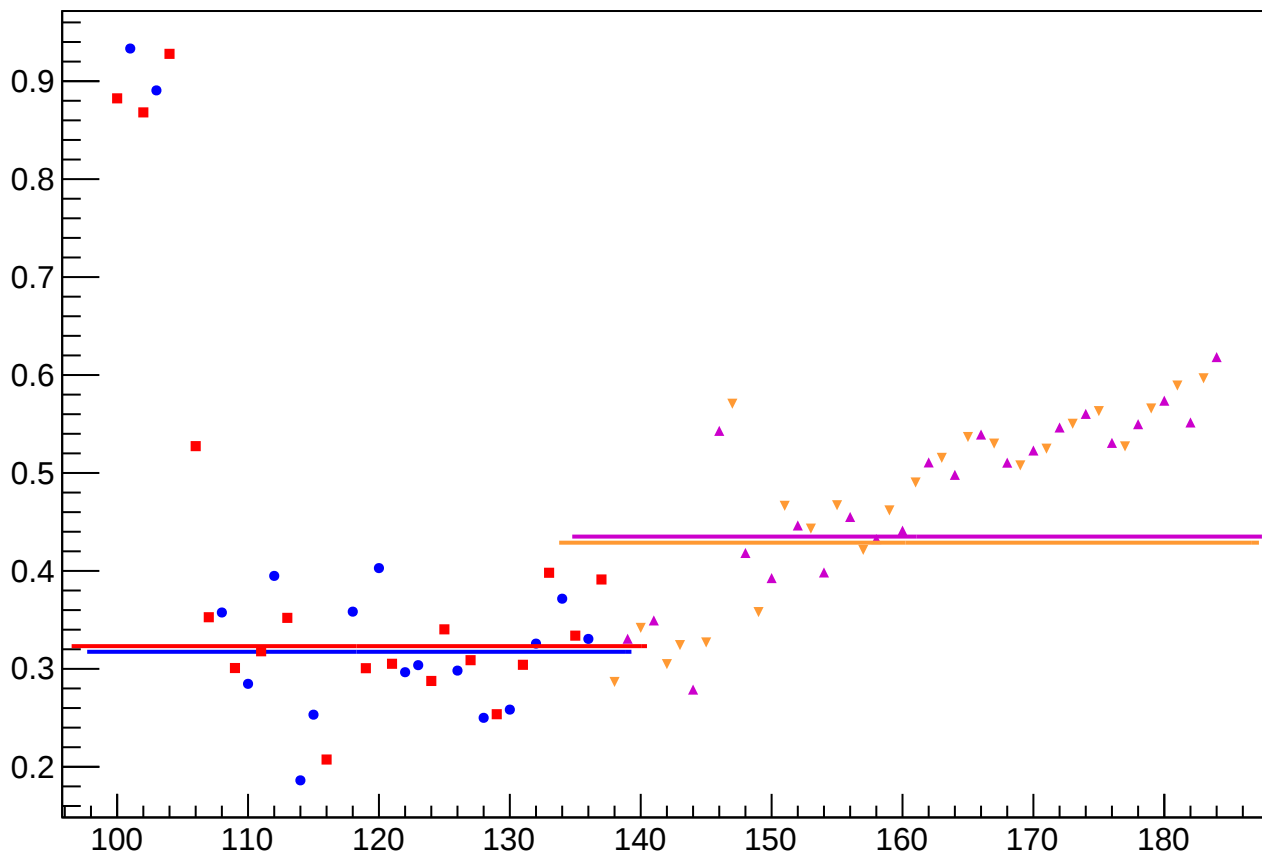
Right: 144.360 $\pm$ 0.000 χ^2 /NDF: 8152746966.8/35

In: 146.127 $\pm$ 0.000 χ^2 /NDF: 4420254341.5/39

Out: 146.692 $\pm$ 0.000 χ^2 /NDF: 4886161107.5/42

All: 146.415 $\pm$ 0.000 χ^2 /NDF: 9329386465.7

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:1831447.0/23

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: 3337568.0/46

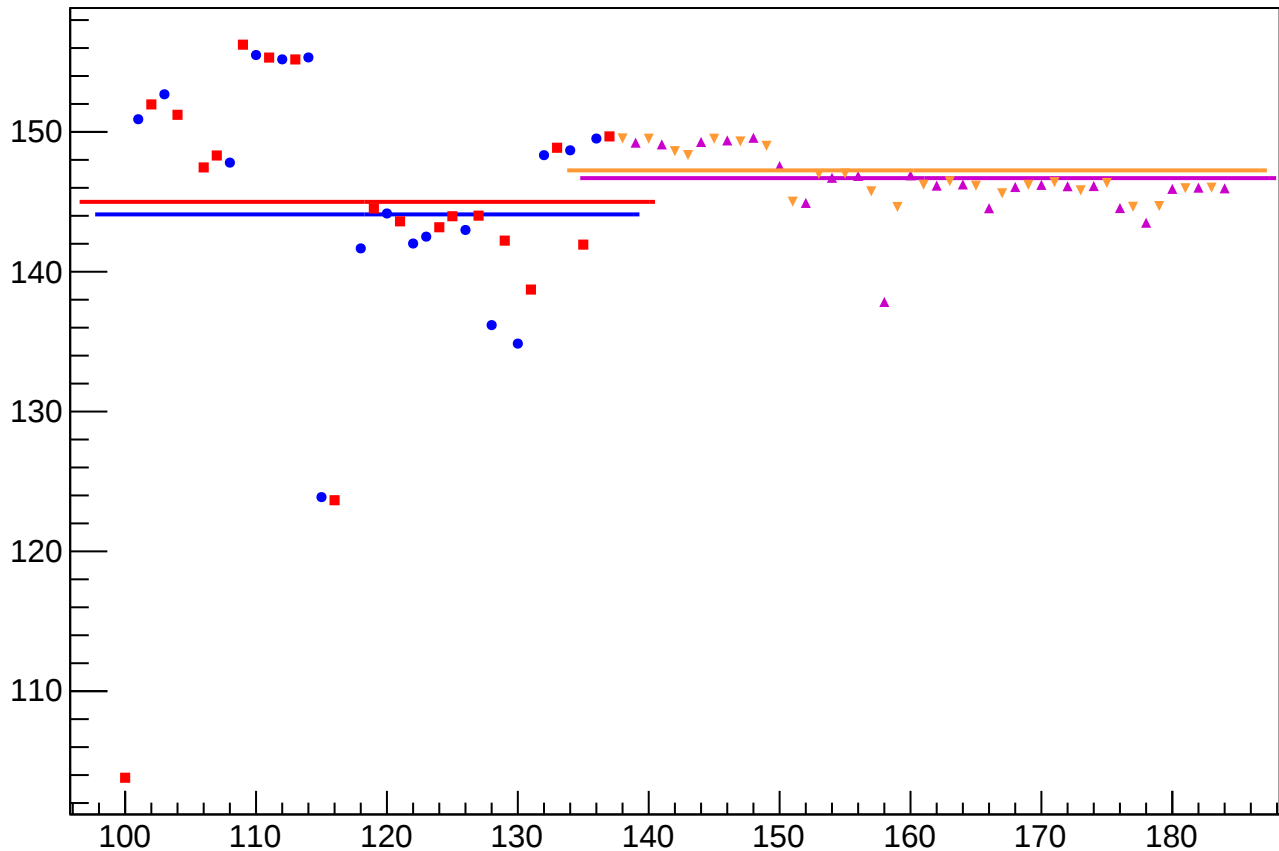
Right: 0.320 $\pm$ 0.000 χ^2 /NDF: 2497937.8/35

In: 0.389 $\pm$ 0.000 χ^2 /NDF:3703639.6/39

Out: 0.389 $\pm$ 0.000 χ^2 /NDF:3823965.2/42

All: 0.389 $\pm$ 0.000 χ^2 /NDF: 7527676.1/82

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.101 $\pm$ 0.000 χ^2 /NDF: 3163250979.7/16

Left Out: 147.248 $\pm$ 0.000 χ^2 /NDF: 258695724.9/23

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: 146.979 $\pm$ 0.000 χ^2 /NDF: 829370349.2/46

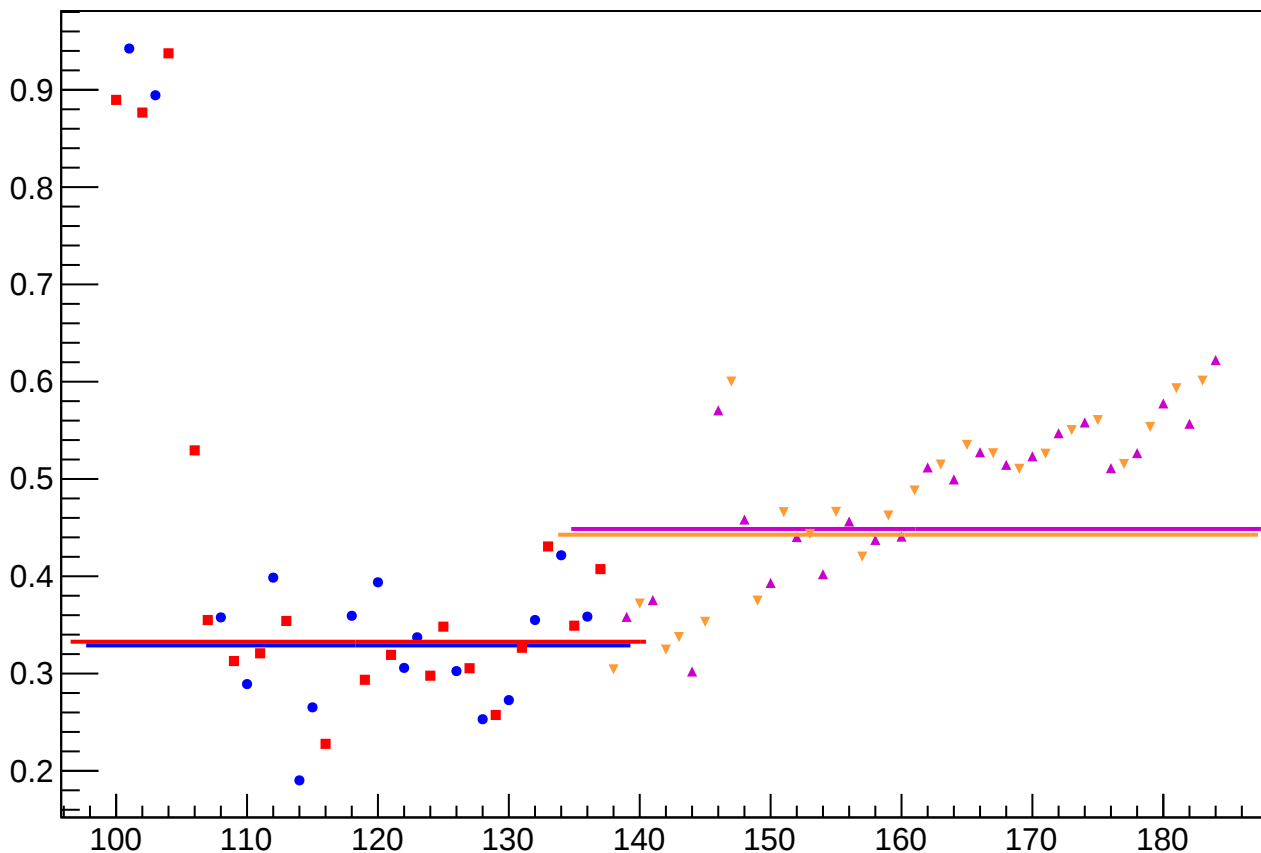
Right: 144.557 $\pm$ 0.000 χ^2 /NDF: 7037484175.9/35

In: 145.699 $\pm$ 0.000 χ^2 /NDF: 3932161223.1/39

Out: 146.392 $\pm$ 0.000 χ^2 /NDF: 4277329101.9/42

All: 146.053 $\pm$ 0.000 χ^2 /NDF: 8242060877.9

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.329 $\pm$ 0.000 χ^2 /NDF: 1259207.9/16

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1430784.8/23

Right Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 1181630.3/18

Left In: 0.449 $\pm$ 0.000 χ^2 /NDF:1132620.8/22

Left: 0.446 $\pm$ 0.000 χ^2 /NDF: 2566331.9/46

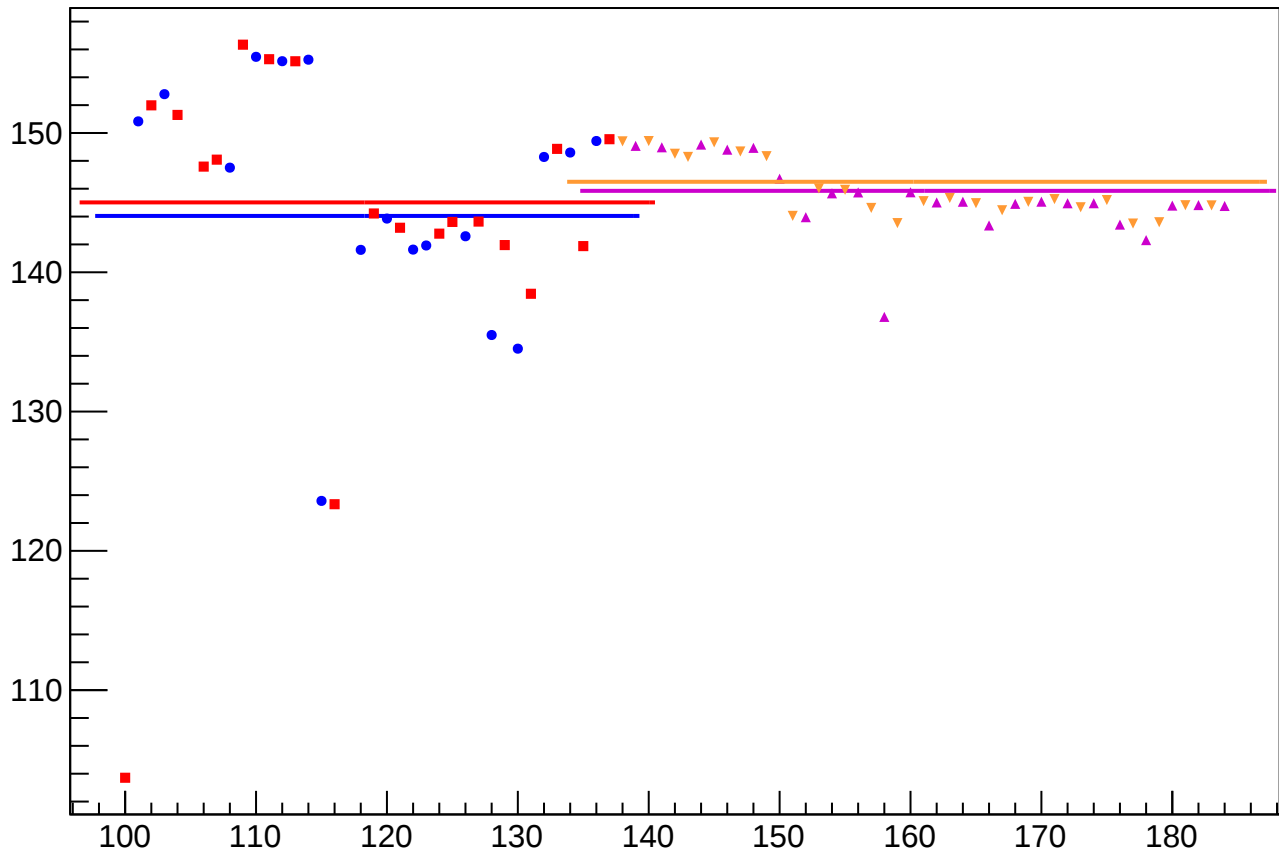
Right: 0.331 $\pm$ 0.000 χ^2 /NDF: 2441586.5/35

In: 0.403 $\pm$ 0.000 χ^2 /NDF:3290644.0/39

Out: 0.401 $\pm$ 0.000 χ^2 /NDF:3401924.1/42

All: 0.402 $\pm$ 0.000 χ^2 /NDF: 6692986.3/82

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 144.046 $\pm$ 0.000 χ^2 /NDF: 3282867390.8/16

Left Out: 146.498 $\pm$ 0.000 χ^2 /NDF: 395451590.5/23

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: 146.181 $\pm$ 0.000 χ^2 /NDF: 1107862195.3/46

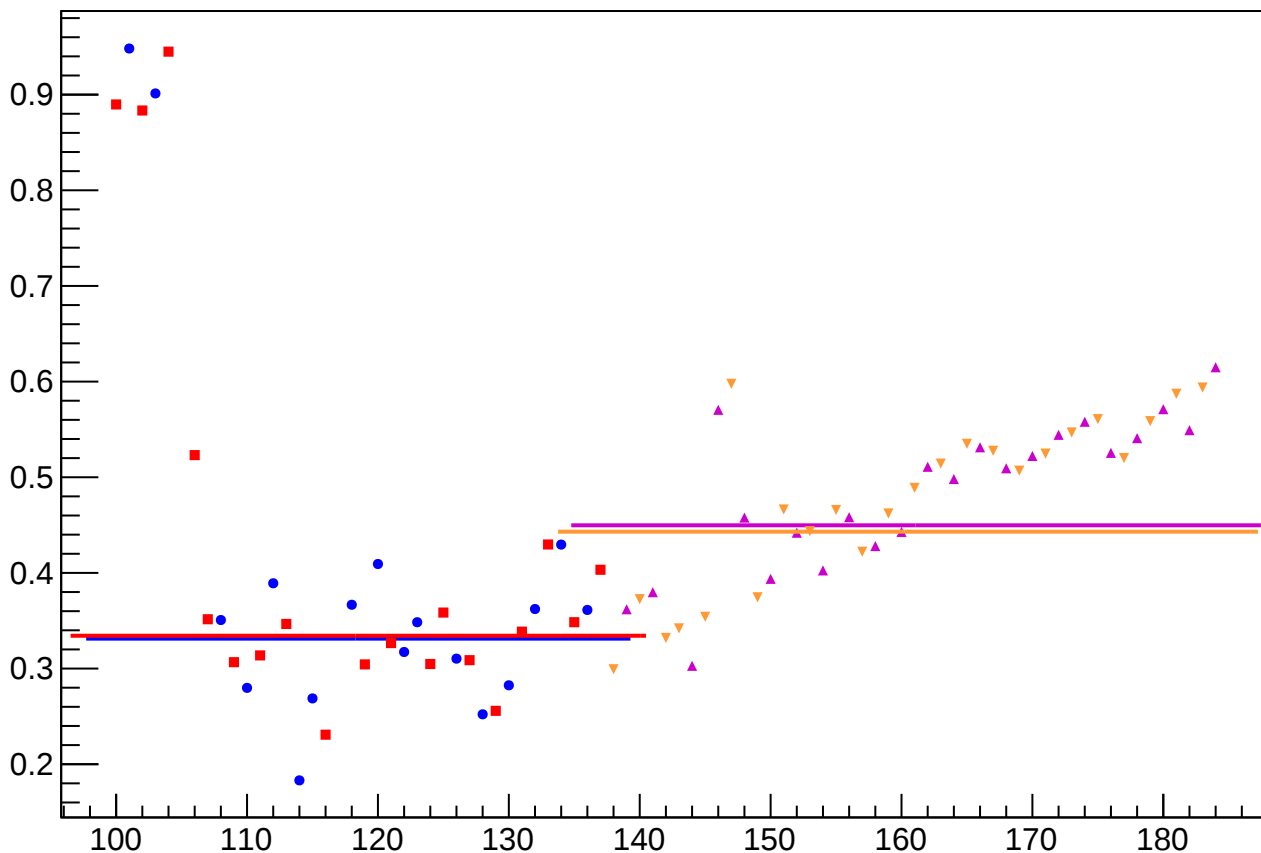
Right: 144.541 $\pm$ 0.000 χ^2 /NDF: 7236479973.6/35

In: 145.160 $\pm$ 0.000 χ^2 /NDF: 4078016148.5/39

Out: 145.937 $\pm$ 0.000 χ^2 /NDF: 4396053860.2/42

All: 145.558 $\pm$ 0.000 χ^2 /NDF: 8514632330.5

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.331+/-0.000 χ^2/NDF : 1275232.9/16

Left Out: 0.443+/-0.000 χ^2/NDF : 1414196.2/23

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: 0.446+/-0.000 χ^2/NDF : 2523299.3/46

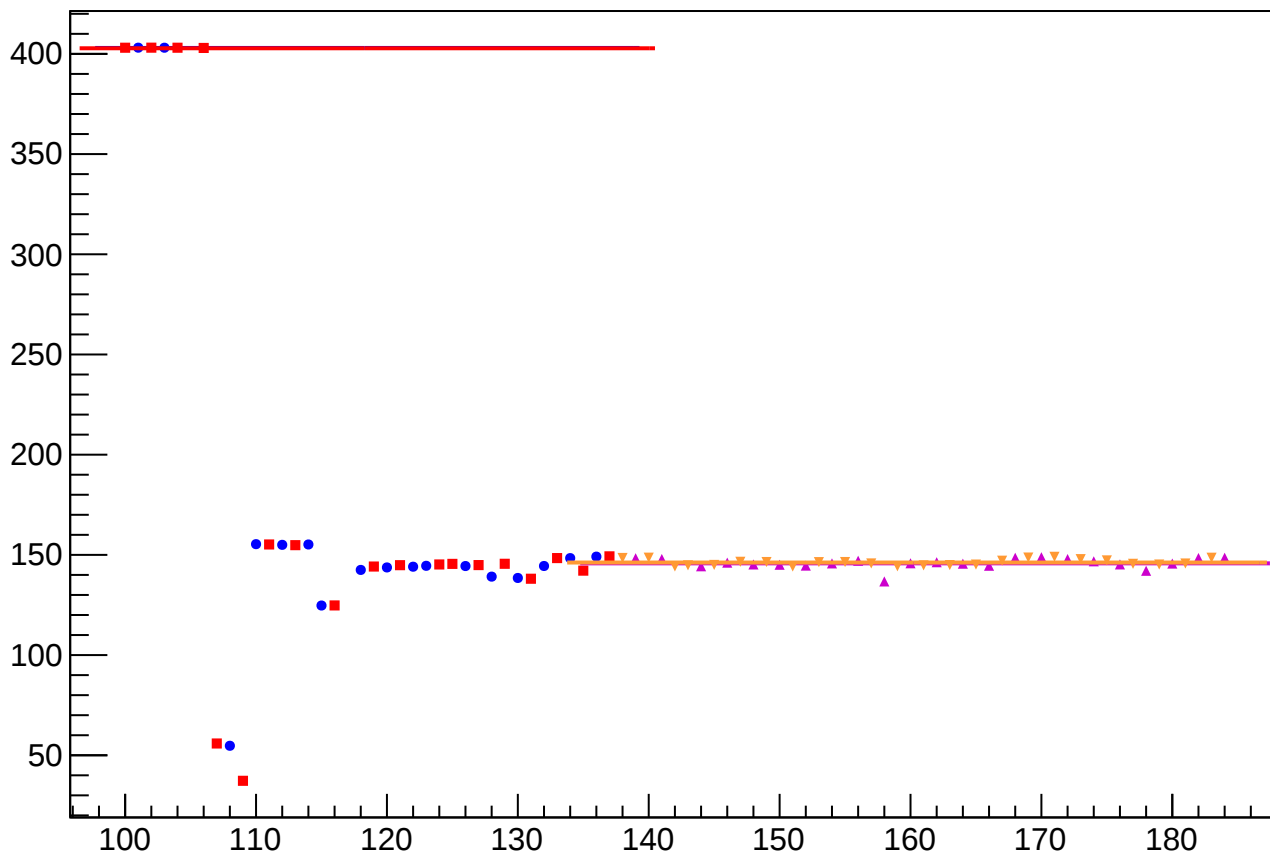
Right: 0.333+/-0.000 χ^2/NDF : 2445917.5/35

In: 0.405+/-0.000 χ^2/NDF : 3249184.6/39

Out: 0.402+/-0.000 χ^2/NDF : 3350743.5/42

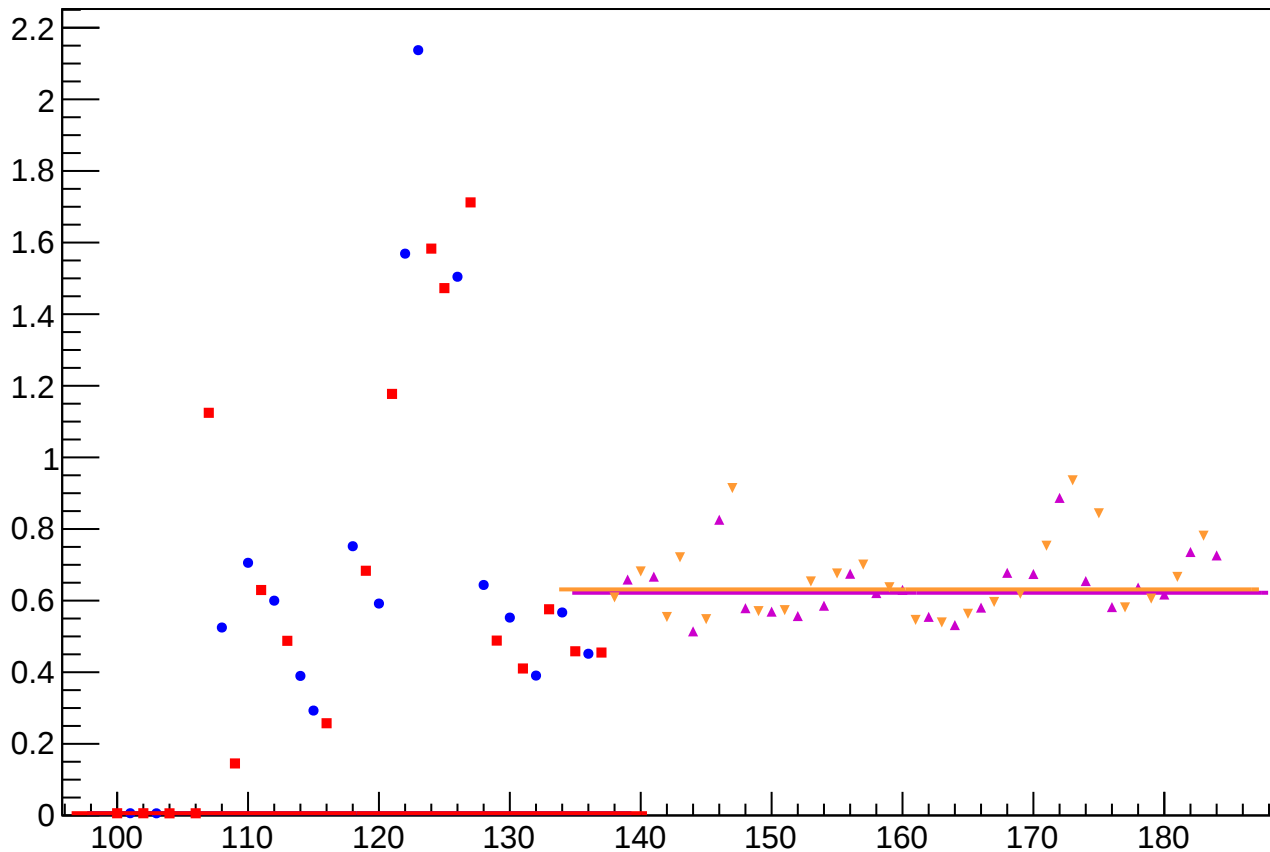
All: 0.403+/-0.000 χ^2/NDF : 6600877.5/82

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.957+/-0.000	χ^2/NDF : 1095567172365.3/16	Left: 145.978+/-0.000	χ^2/NDF : 294030145.7/46
Left Out: 146.184+/-0.000	χ^2/NDF : 83694609.9/23	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: 402.541+/-0.000	χ^2/NDF : 5431737508822.6/4
		All: 402.599+/-0.000	χ^2/NDF : 887758387492

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9047828.5/16

Left Out: 0.631+/-0.000 χ^2/NDF : 612941.4/23

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 : 1020551.9/46

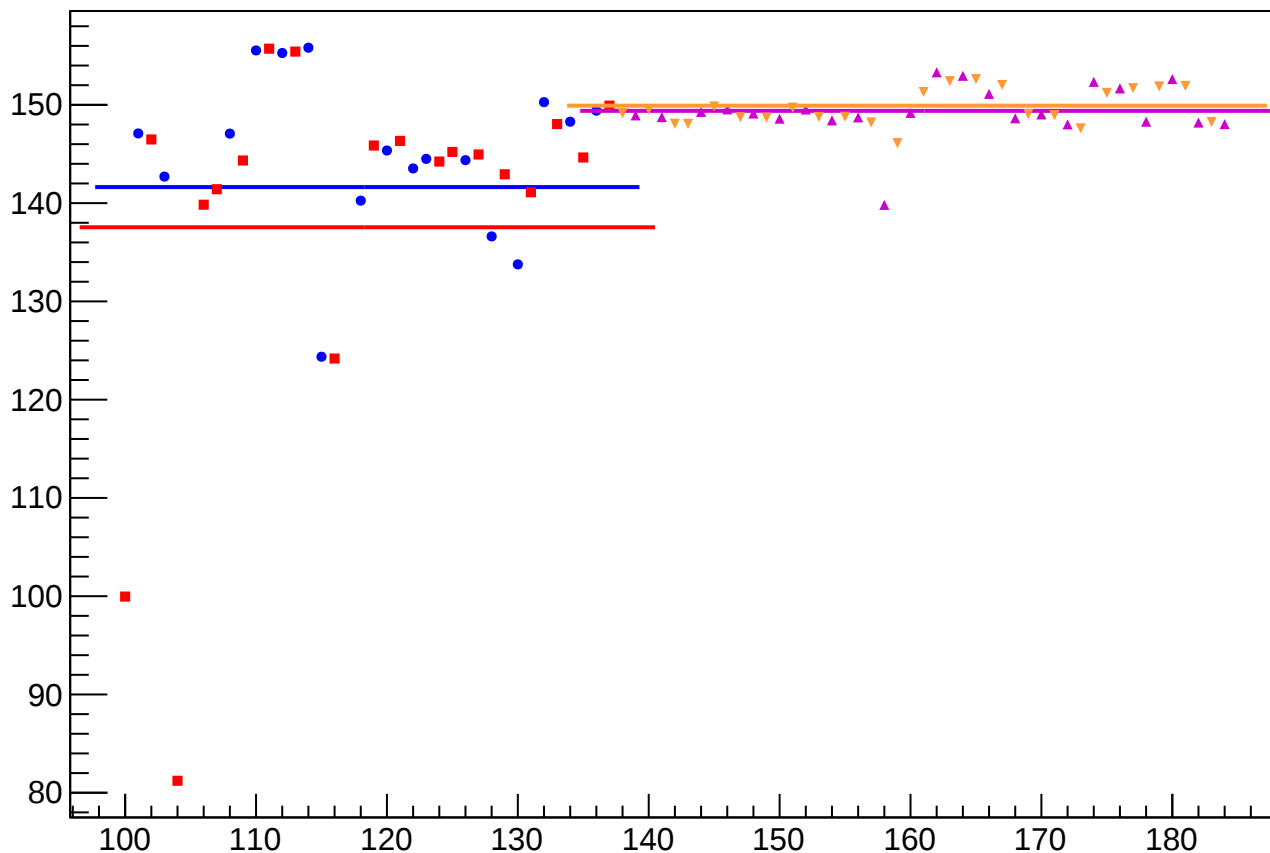
Right: 0.006+/-0.000 χ^2/NDF : 18200524.0/35

In: 0.007+/-0.000 χ^2/NDF : 36378471.9/39

Out: 0.007+/-0.000 χ^2/NDF : 37376854.7/42

All: 0.007+/-0.000 χ^2/NDF : 73755570.5/82

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.632 $\pm$ 0.000 χ^2 /NDF: 977430315.6/16

Left Out: 149.918 $\pm$ 0.000 χ^2 /NDF: 162670012.2/23

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: 149.662 $\pm$ 0.000 χ^2 /NDF: 606611050.0/46

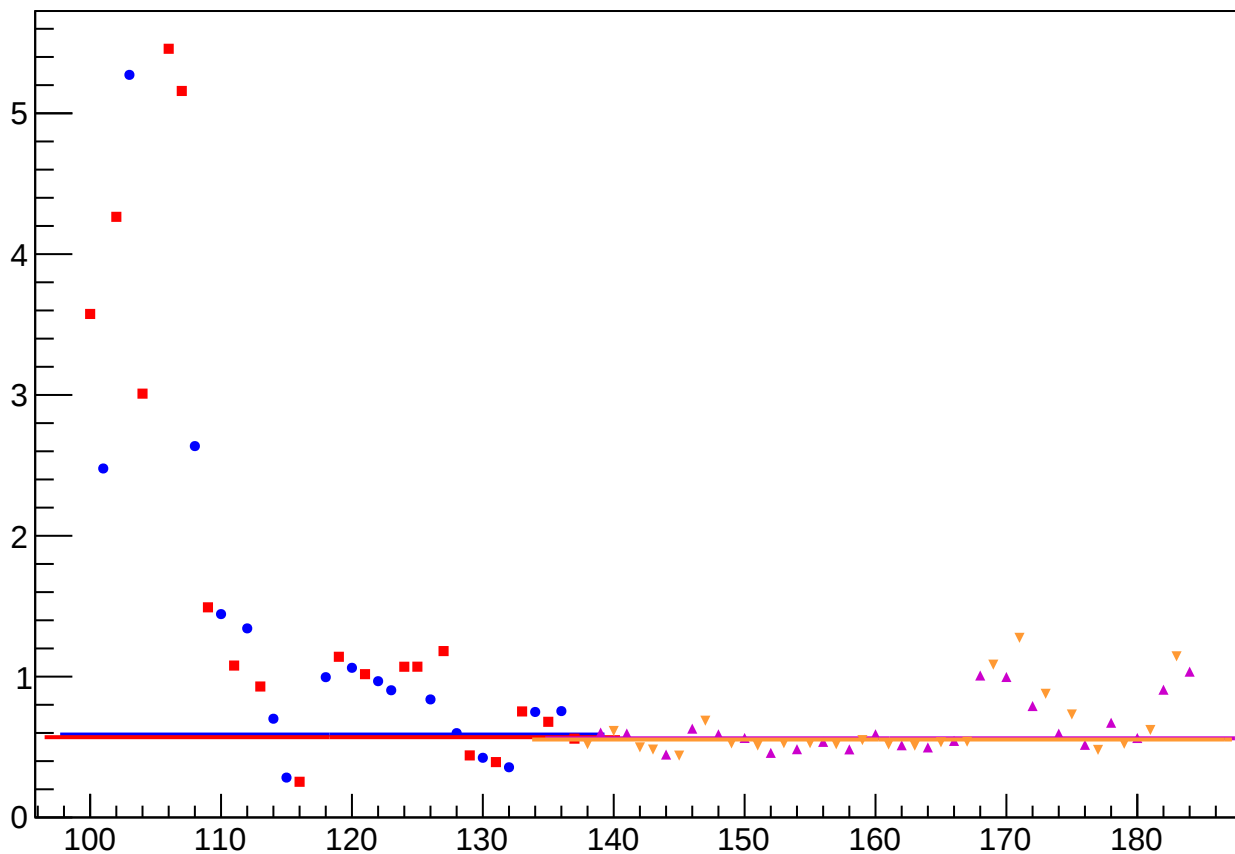
Right: 139.549 $\pm$ 0.000 χ^2 /NDF: 2383815504.1/35

In: 148.031 $\pm$ 0.000 χ^2 /NDF: 1916597777.9/39

Out: 147.785 $\pm$ 0.000 χ^2 /NDF: 2813809275.0/42

All: 147.905 $\pm$ 0.000 χ^2 /NDF: 4732197788.3

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.589 $\pm$ 0.000 χ^2 /NDF: 3472432.4/16

Left Out: 0.553 $\pm$ 0.000 χ^2 /NDF:1669550.0/23

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: 0.558 $\pm$ 0.000 χ^2 /NDF: 2984277.6/46

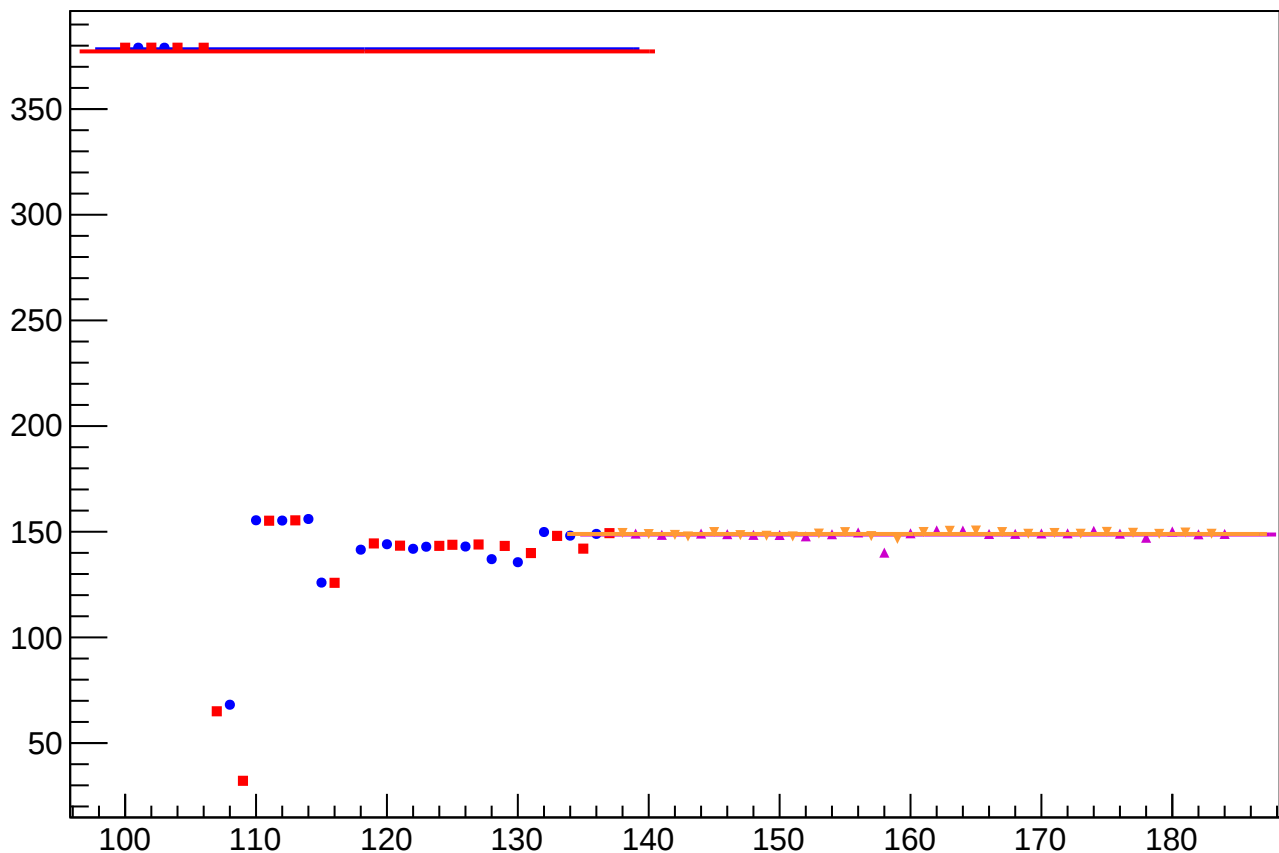
Right: 0.579 $\pm$ 0.000 χ^2 /NDF: 8122625.9/35

In: 0.567 $\pm$ 0.000 χ^2 /NDF:4795325.2/39

Out: 0.556 $\pm$ 0.000 χ^2 /NDF:6320891.7/42

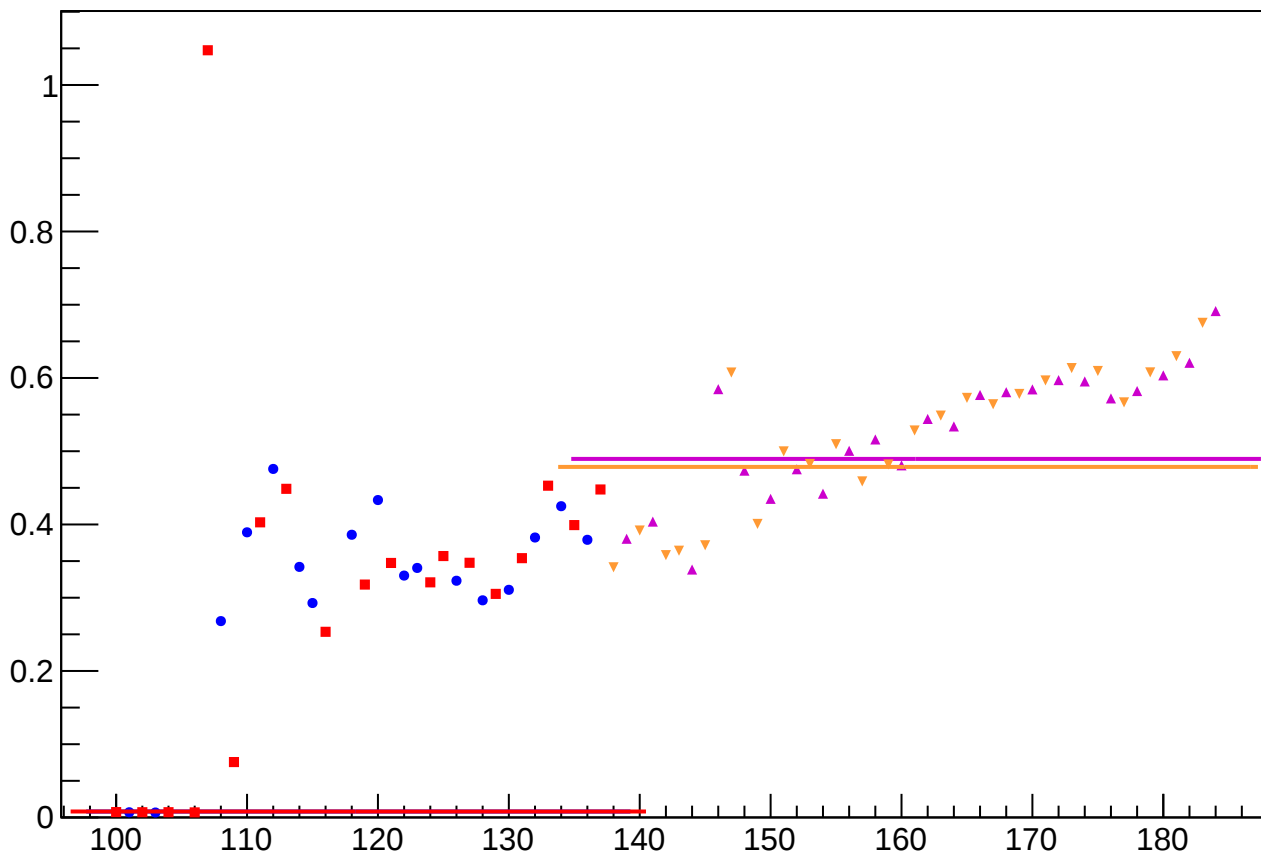
All: 0.561 $\pm$ 0.000 χ^2 /NDF: 11122689.1/82

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.290+/-0.000	χ^2/NDF : 2485728057854.8/16	Left: 148.820+/-0.000	χ^2/NDF : 321052443.7/46
Left Out: 148.948+/-0.000	χ^2/NDF : 64703878.9/23	Right: 377.756+/-0.000	χ^2/NDF : 10776776100301.4
Right Out: 377.288+/-0.000	χ^2/NDF : 8283929719012.3/18	In: 377.108+/-0.000	χ^2/NDF : 6100097559736.5/39
Left In: 148.683+/-0.000	χ^2/NDF : 253848207.3/22	Out: 376.184+/-0.000	χ^2/NDF : 12110129626198.9
		All: 376.616+/-0.000	χ^2/NDF : 182163046479.0

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 9762871.0/16

Left Out: 0.479+/-0.000 χ^2/NDF :1453050.8/23

Right Out: 0.008+/-0.000 χ^2/NDF : 9478867.5/18

Left In: 0.490+/-0.000 χ^2/NDF :1090532.3/22

Left: 0.484+/-0.000 χ^2/NDF : 2552094.9/46

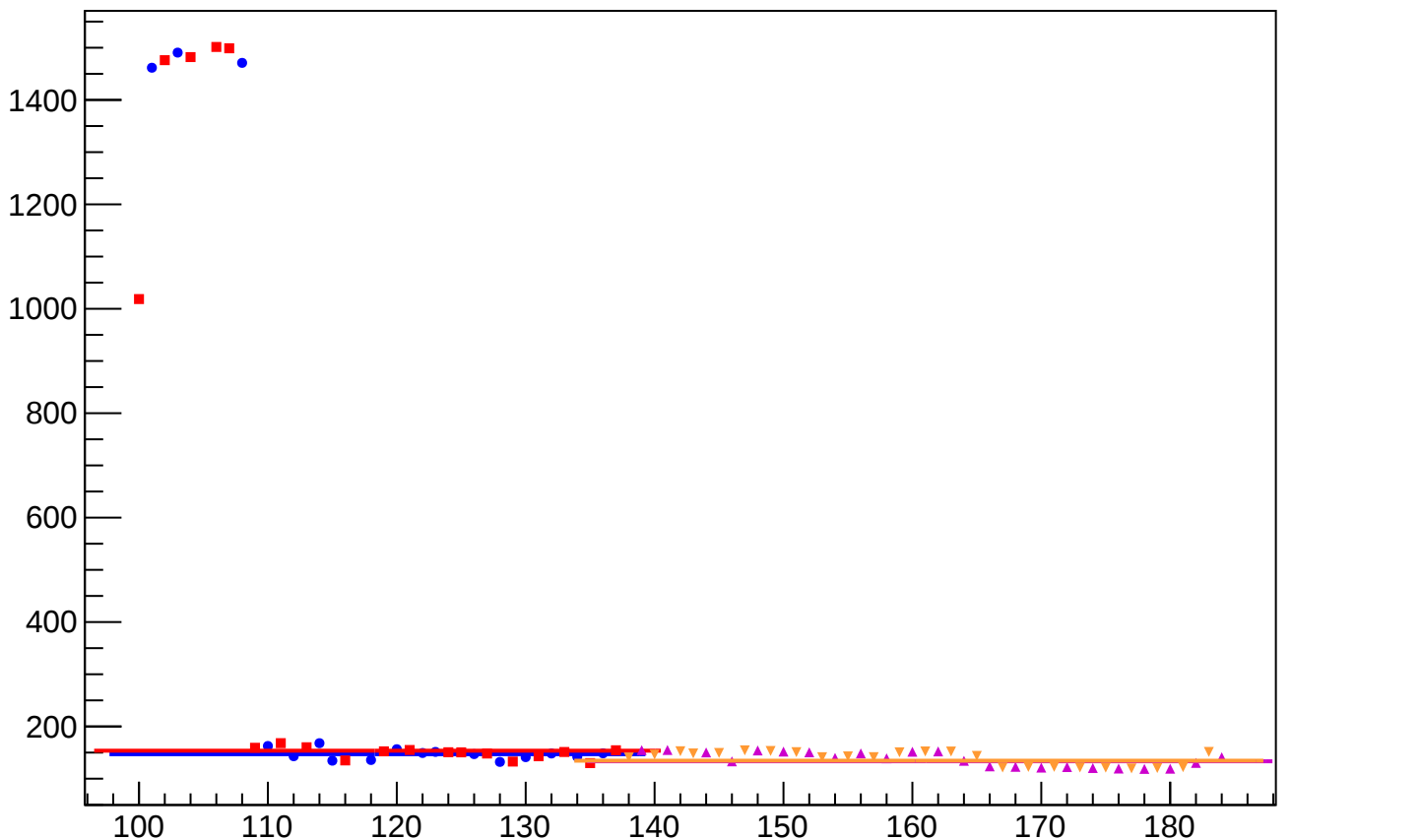
Right: 0.008+/-0.000 χ^2/NDF : 19241750.6/35

In: 0.011+/-0.000 χ^2/NDF :42628009.1/39

Out: 0.010+/-0.000 χ^2/NDF :43413752.0/42

All: 0.010+/-0.000 χ^2/NDF : 86042199.9/82

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.867+/-0.000 χ^2/NDF : 24355015272.8/16

Left Out: 134.461+/-0.000 χ^2/NDF : 4331397225.8/23

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: 133.893+/-0.000 χ^2/NDF : 8699853661.7/46

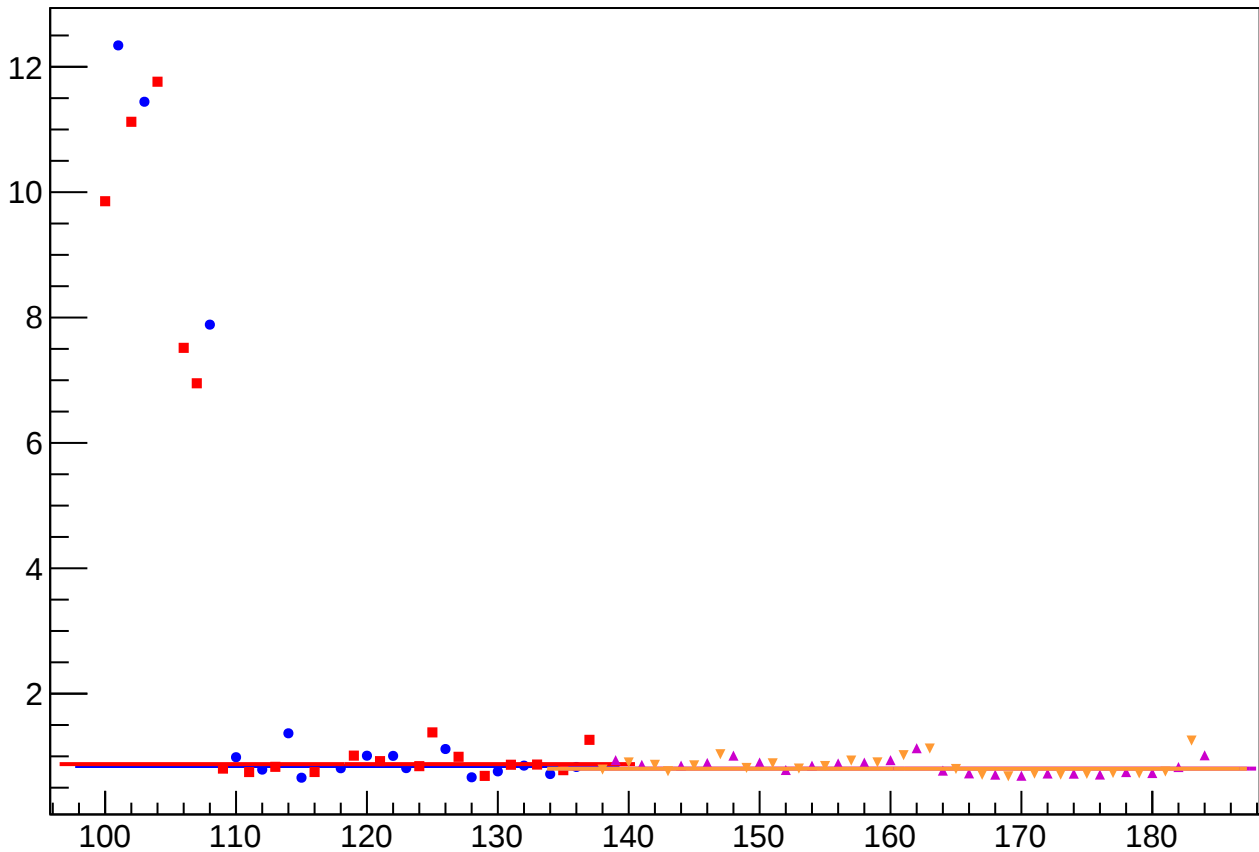
Right: 150.252+/-0.000 χ^2/NDF : 58265832063.8/35

In: 135.838+/-0.000 χ^2/NDF : 29494642891.0/39

Out: 137.975+/-0.000 χ^2/NDF : 39709538748.2/42

All: 136.919+/-0.000 χ^2/NDF : 69269369297.0

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.846+/-0.000 χ^2/NDF : 2668298.4/16

Left Out: 0.803+/-0.000 χ^2/NDF : 628895.4/23

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: 0.804+/-0.000 χ^2/NDF : 1108659.5/46

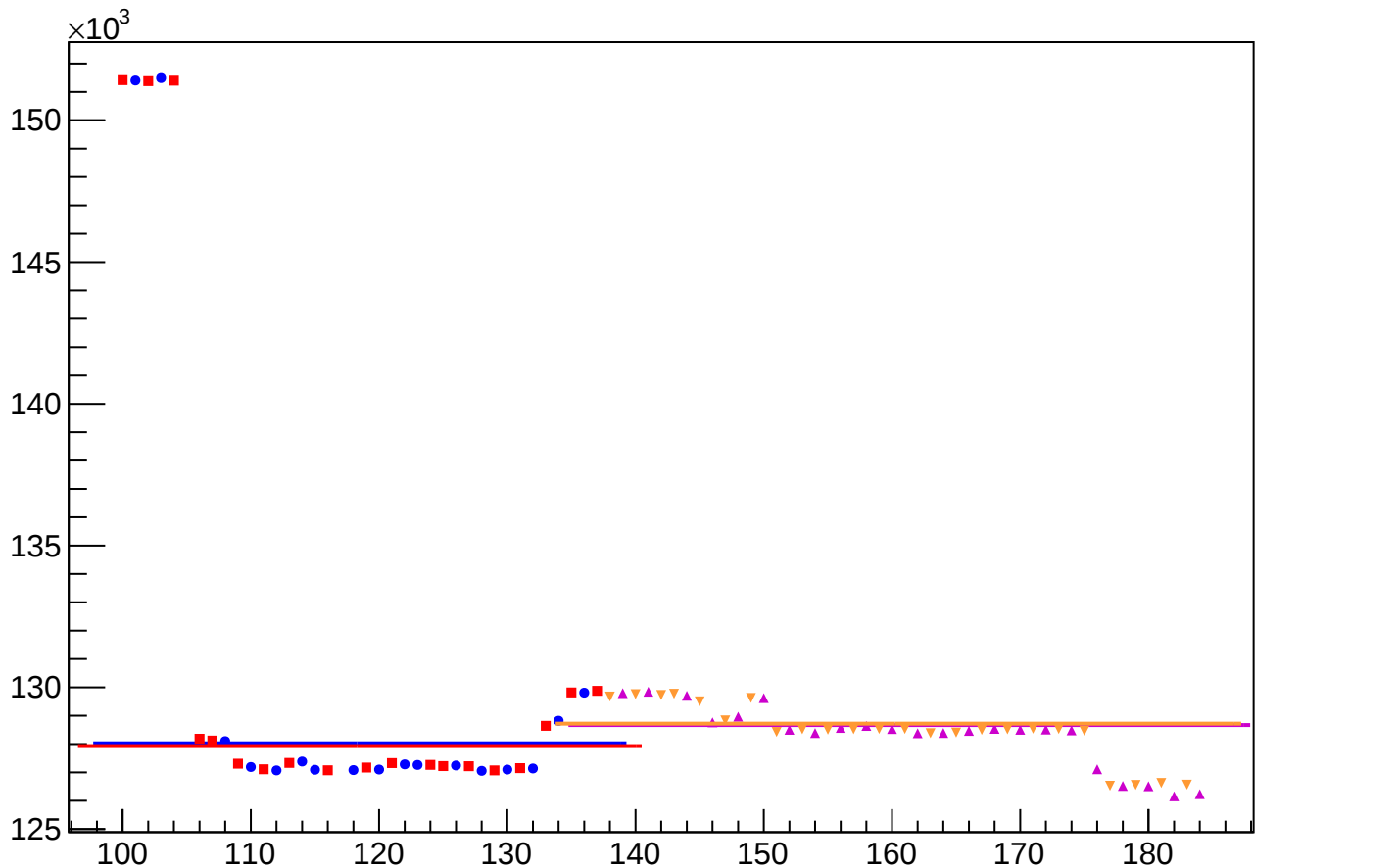
Right: 0.861+/-0.000 χ^2/NDF : 5501916.8/35

In: 0.812+/-0.000 χ^2/NDF : 3162869.4/39

Out: 0.816+/-0.000 χ^2/NDF : 3504325.2/42

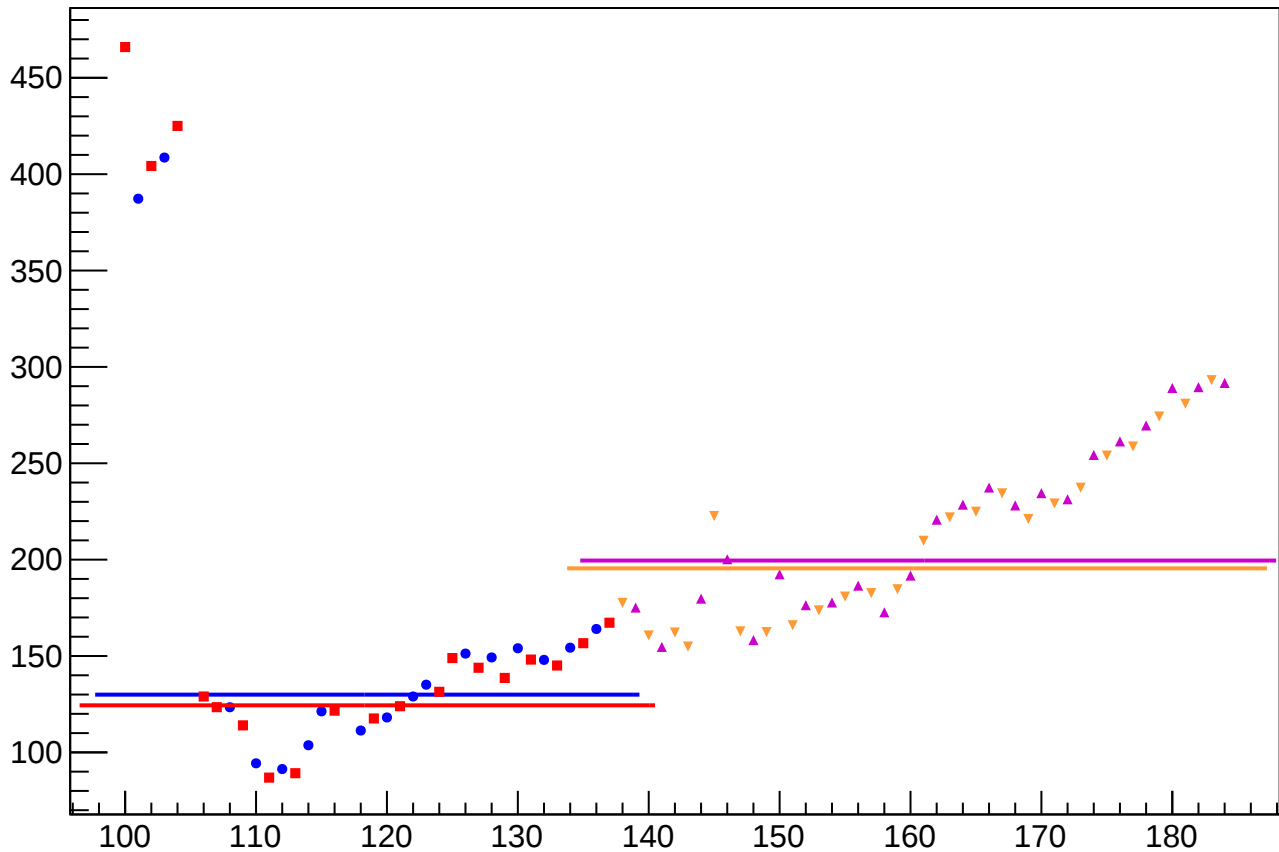
All: 0.814+/-0.000 χ^2/NDF : 6667624.4/82

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128026.197 $\pm$ 0.055 χ^2/NDF : 4315820742.0/16
 Left: 128695.673 $\pm$ 0.034 χ^2/NDF : 667311997.3/40
 Left Out: 128719.338 $\pm$ 0.047 χ^2/NDF : 331908314.2/23
 Right: 127973.023 $\pm$ 0.037 χ^2/NDF : 8084520593.8/16
 Right Out: 127927.799 $\pm$ 0.050 χ^2/NDF : 3766946876.4/18
 In: 128384.121 $\pm$ 0.036 χ^2/NDF : 4727911614.5/39
 Out: 128351.286 $\pm$ 0.034 χ^2/NDF : 4230903163.4/40
 Left In: 128670.094 $\pm$ 0.049 χ^2/NDF : 334875494.0/22
 All: 128366.752 $\pm$ 0.025 χ^2/NDF : 895924500.0/100

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.956 $\pm$ 0.039 χ^2 /NDF: 1484094.0/16

Left Out: 195.486 $\pm$ 0.033 χ^2 /NDF:1260604.5/23

Right Out: 124.419 $\pm$ 0.036 χ^2 /NDF: 1525709.6/18

Left In: 199.531 $\pm$ 0.035 χ^2 /NDF:1175342.5/22

Left: 197.430 $\pm$ 0.024 χ^2 /NDF: 2443077.1/46

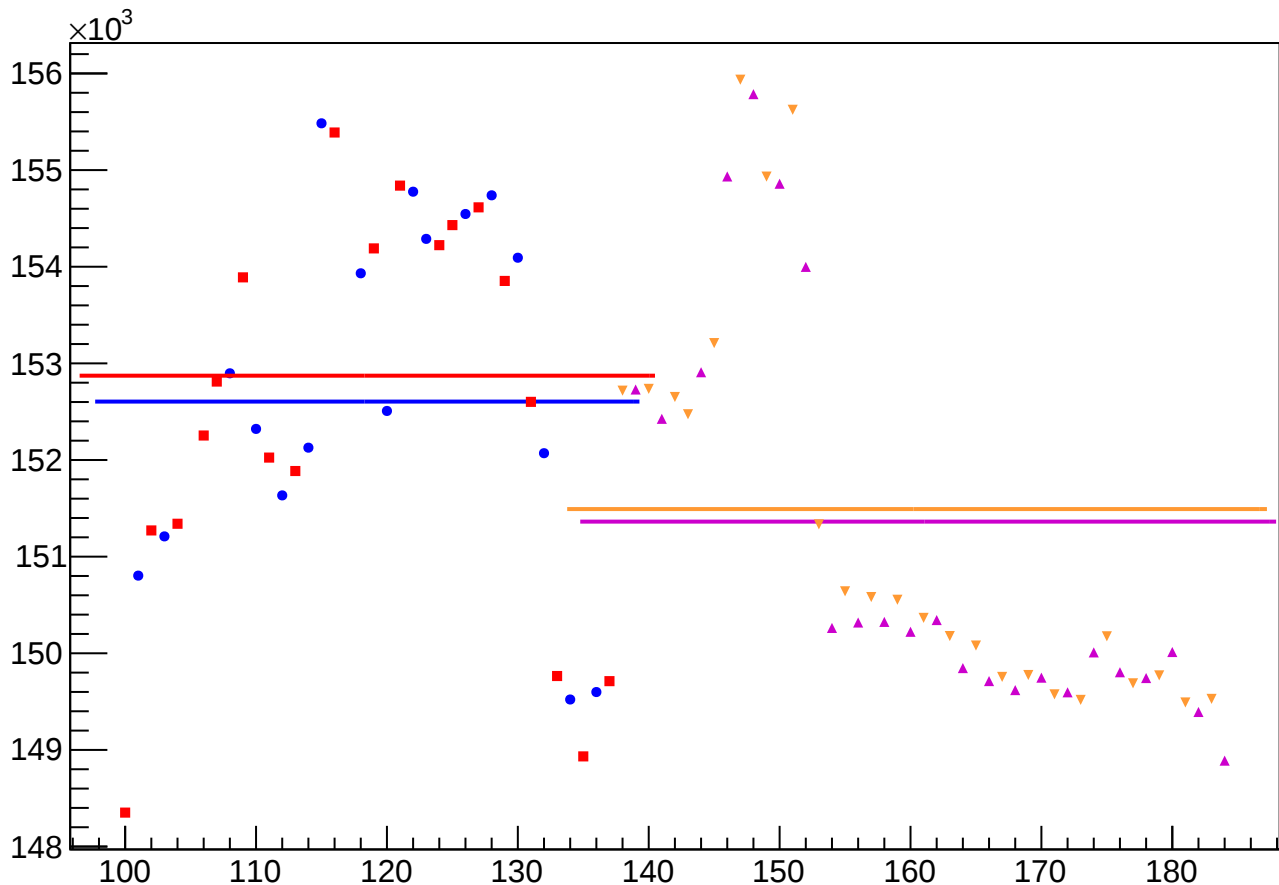
Right: 126.964 $\pm$ 0.026 χ^2 /NDF: 3020906.3/35

In: 168.631 $\pm$ 0.026 χ^2 /NDF:4462471.6/39

Out: 162.441 $\pm$ 0.024 χ^2 /NDF:4915174.9/42

All: 165.357 $\pm$ 0.018 χ^2 /NDF: 9408227.4/82

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152604.581 $\pm$ 0.072 χ^2 /NDF: 618623287.4/16

Left Out: 151492.312 $\pm$ 0.050 χ^2 /NDF: 1463186170.2/23

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: 151429.119 $\pm$ 0.036 χ^2 /NDF: 2893269353.3/4

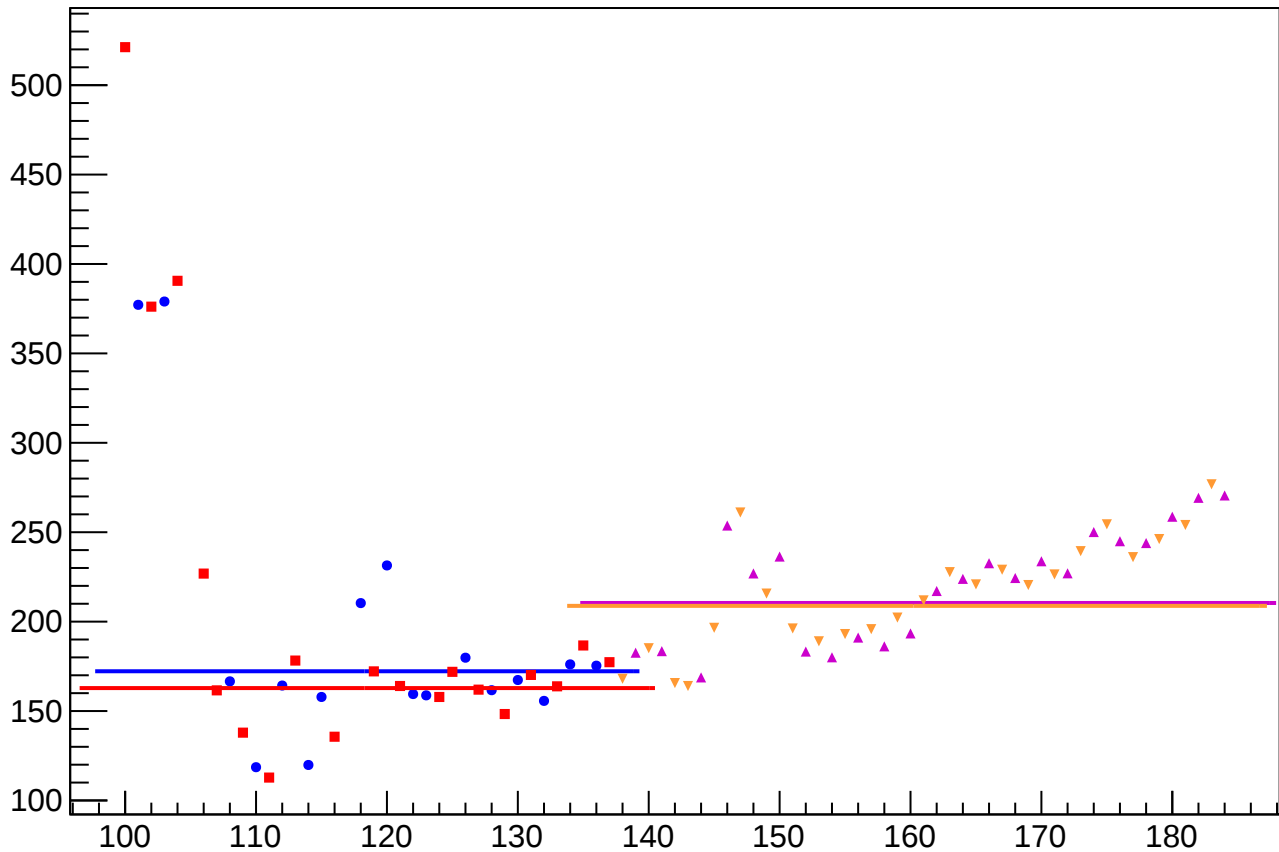
Right: 152750.468 $\pm$ 0.049 χ^2 /NDF: 1341835055.0/4

In: 151776.968 $\pm$ 0.042 χ^2 /NDF: 2241646178.5/39

Out: 151991.784 $\pm$ 0.040 χ^2 /NDF: 2456176008.2/4

All: 151889.573 $\pm$ 0.029 χ^2 /NDF: 471165890.0/4

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Left: 209.604 ± 0.025 $\chi^2/\text{NDF}: 1363765.2/46$

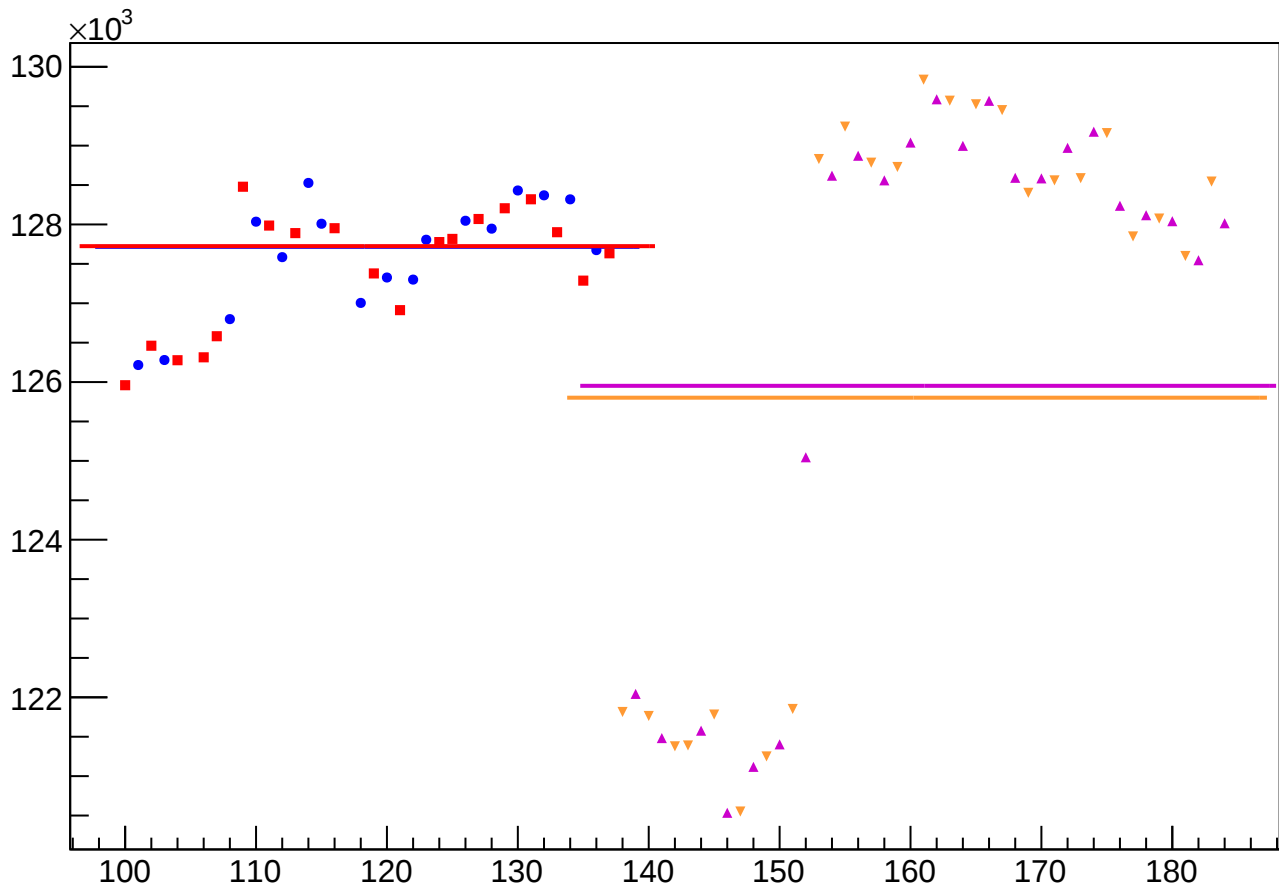
Right: 167.127 ± 0.035 $\chi^2/\text{NDF}: 1975134.5/35$

In: 197.688 ± 0.030 $\chi^2/\text{NDF}: 1980558.2/39$

Out: 192.183 ± 0.028 $\chi^2/\text{NDF}: 2325094.4/42$

All: 194.802 ± 0.020 $\chi^2/\text{NDF}: 4323826.2/82$

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127716.166 $\pm$ 0.058 χ^2 /NDF: 94931980.7/16

Left Out: 125801.846 $\pm$ 0.044 χ^2 /NDF: 6621733596.2/23

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: 125876.622 $\pm$ 0.031 χ^2 /NDF: 12469258604.8/16

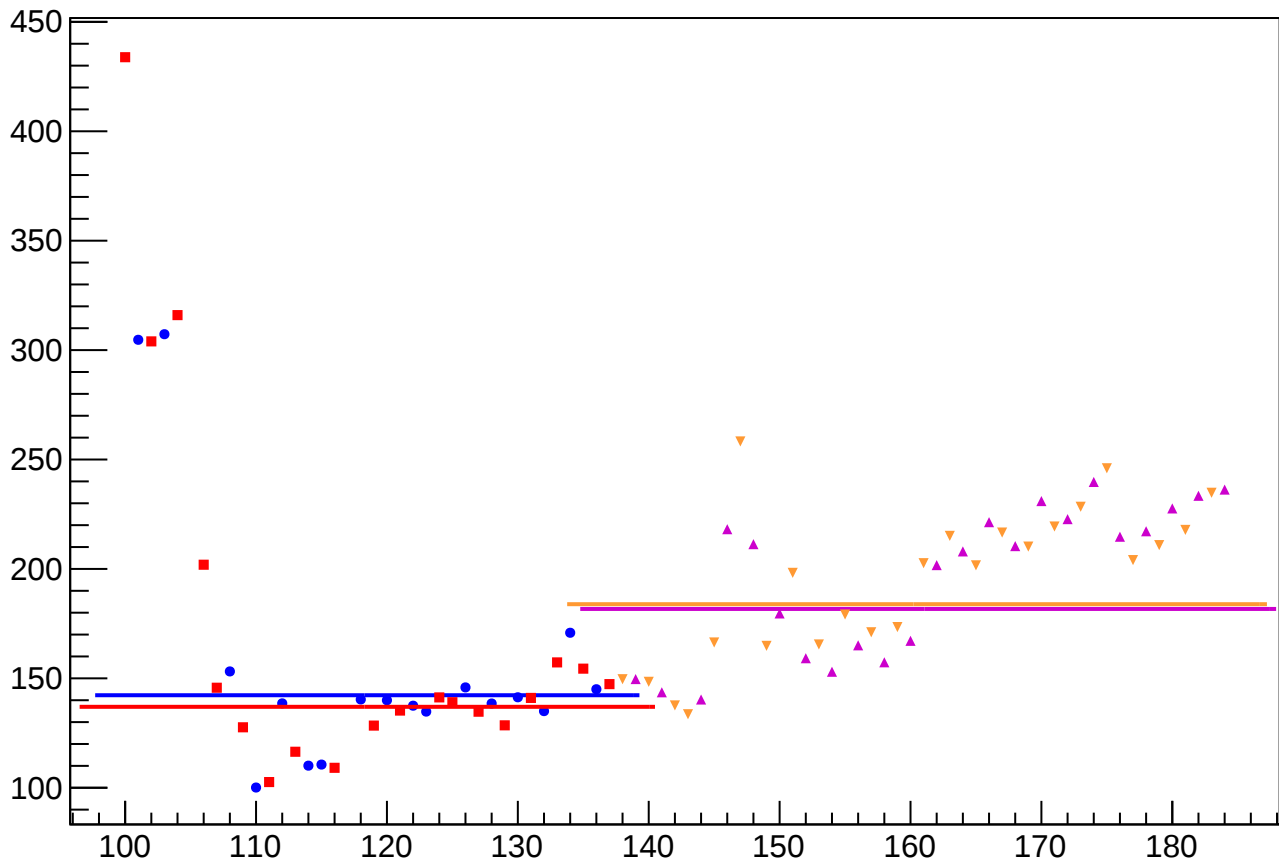
Right: 127720.646 $\pm$ 0.040 χ^2 /NDF: 207526294.1/3

In: 126603.182 $\pm$ 0.035 χ^2 /NDF: 6512098312.0/39

Out: 126567.131 $\pm$ 0.034 χ^2 /NDF: 7482303565.4/4

All: 126584.606 $\pm$ 0.025 χ^2 /NDF: 139949338

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.282 $\pm$ 0.041 χ^2/NDF : 836459.8/16

Left Out: 183.885 $\pm$ 0.031 χ^2/NDF :1101668.7/23

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: 182.807 $\pm$ 0.022 χ^2/NDF : 2220189.9/46

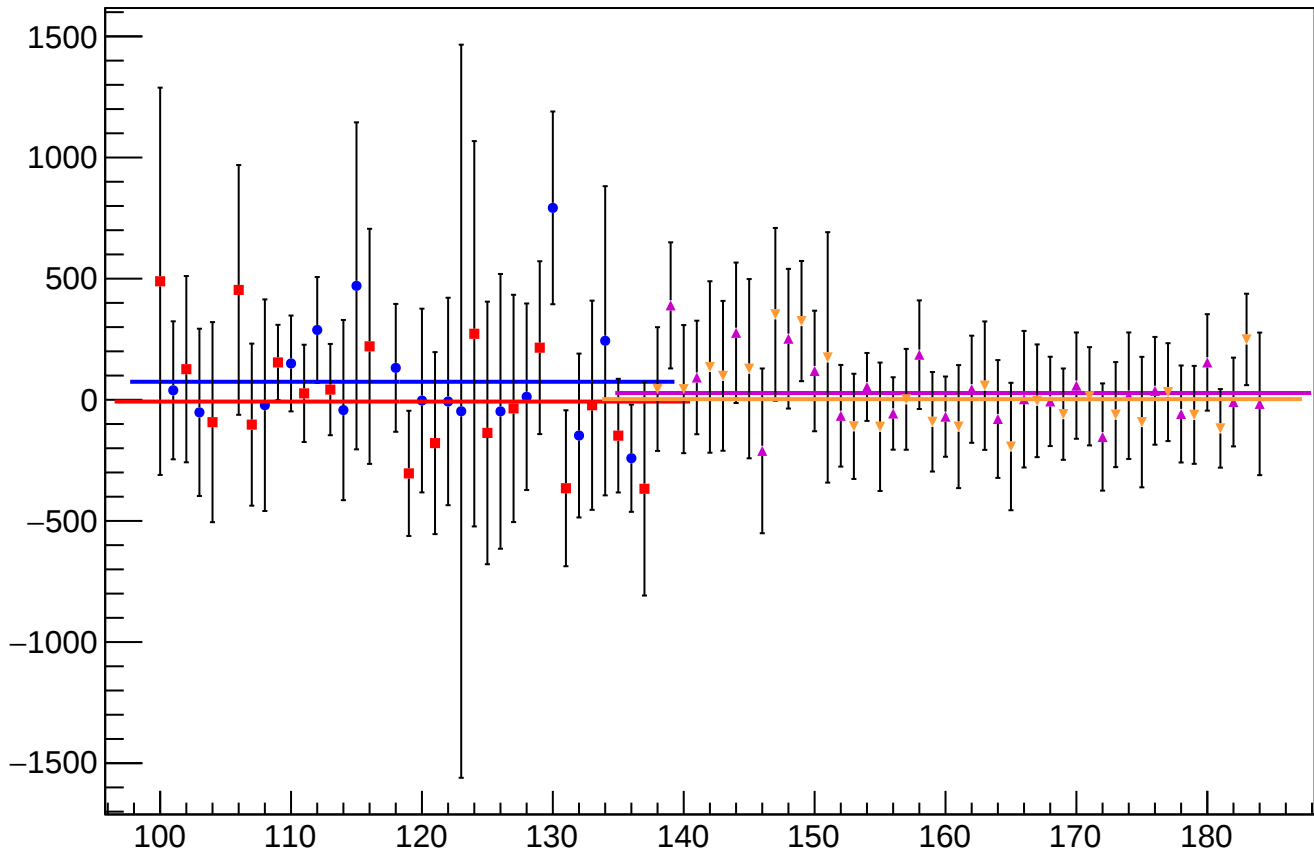
Right: 139.455 $\pm$ 0.028 χ^2/NDF : 1802113.8/35

In: 167.165 $\pm$ 0.025 χ^2/NDF :2527798.7/39

Out: 165.219 $\pm$ 0.024 χ^2/NDF :2948491.0/42

All: 166.163 $\pm$ 0.017 χ^2/NDF : 5479389.7/82

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 74.411+/-79.831 χ^2/NDF : 7.7/16

Left Out: 2.746+/-48.180 χ^2/NDF : 7.3/23

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: 16.380+/-32.719 χ^2/NDF : 14.4/46

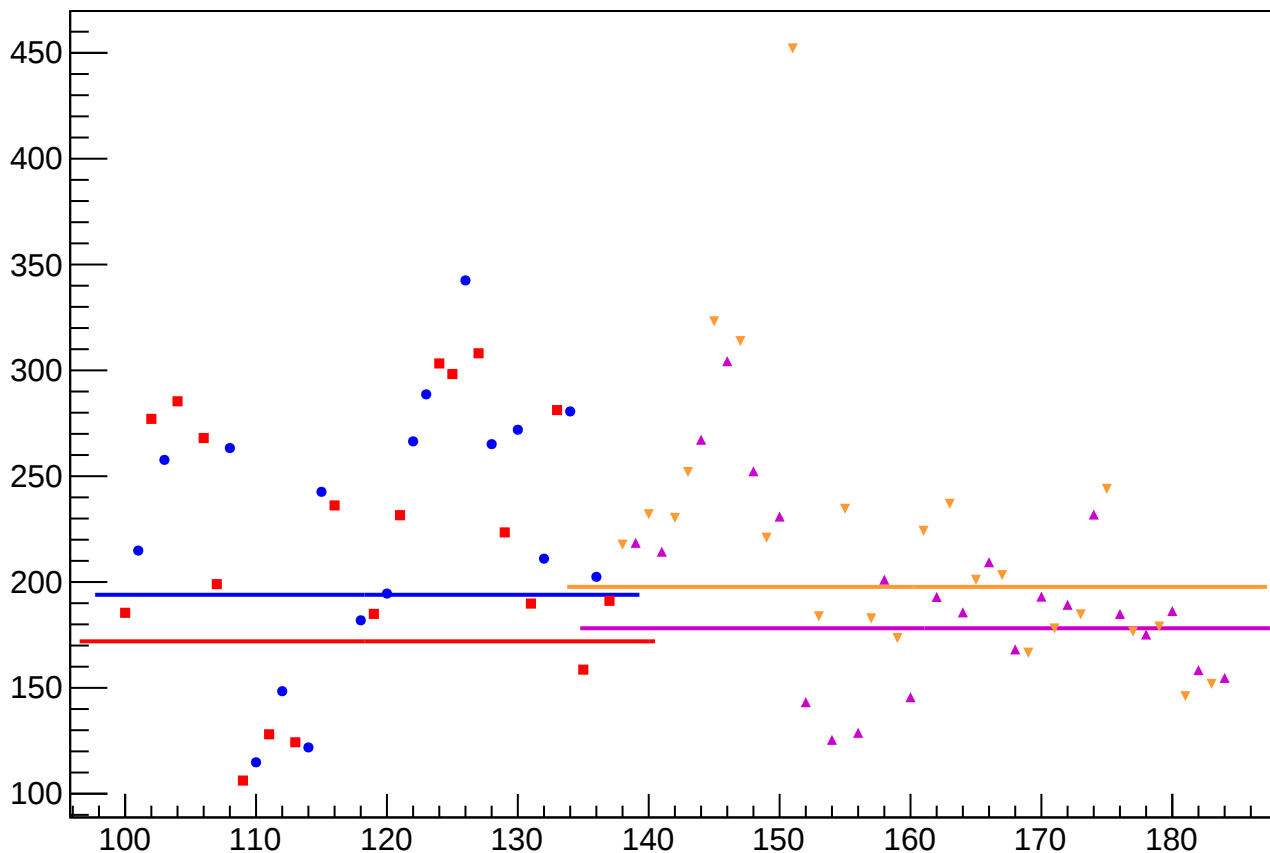
Right: 28.263+/-52.679 χ^2/NDF : 15.5/35

In: 39.068+/-38.917 χ^2/NDF : 15.0/39

Out: -0.486+/-39.708 χ^2/NDF : 14.5/42

All: 19.688+/-27.794 χ^2/NDF : 30.0/82

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.981 $\pm$ 0.056 χ^2/NDF : 1018863.8/16

Left Out: 197.717 $\pm$ 0.034 χ^2/NDF :1719943.2/23

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: 187.182 $\pm$ 0.023 χ^2/NDF : 3516369.2/46

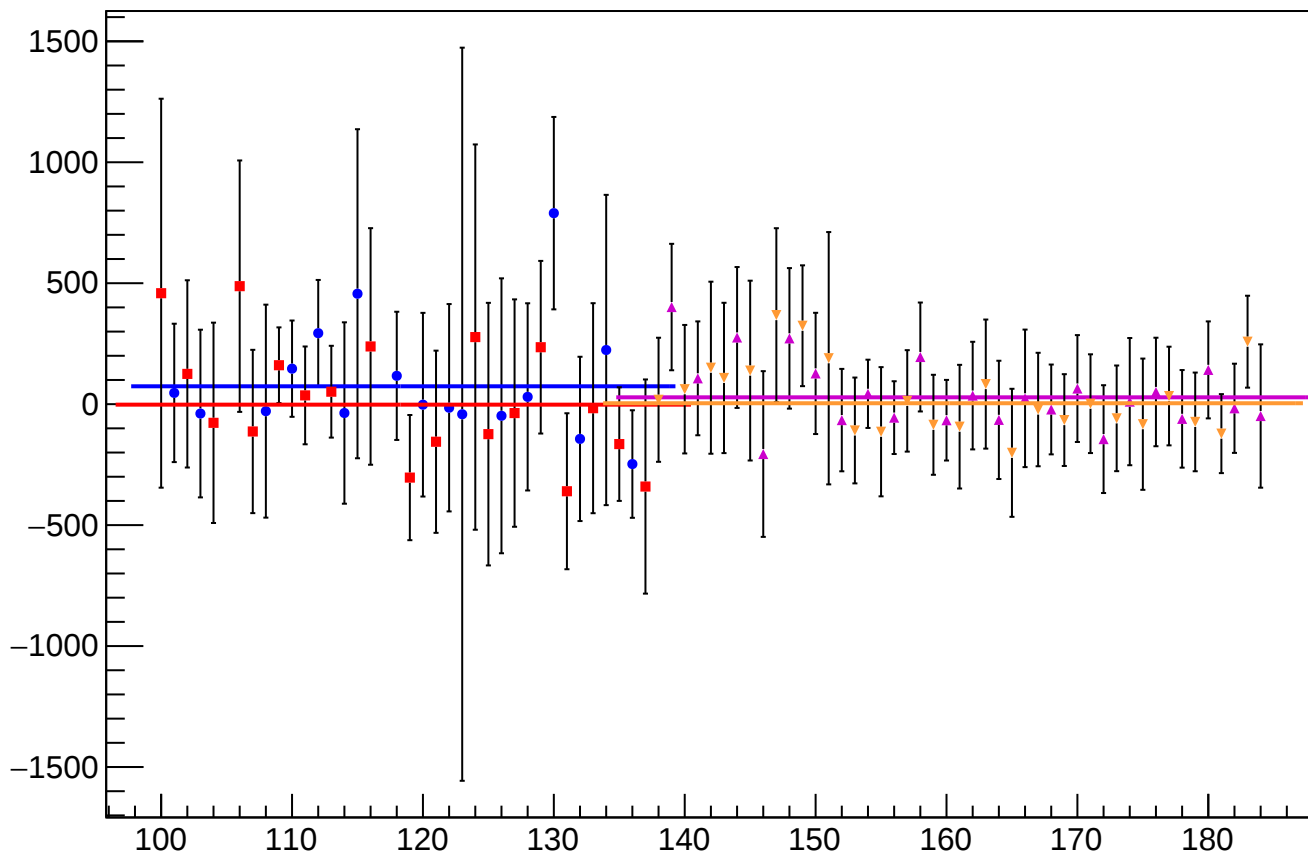
Right: 181.561 $\pm$ 0.037 χ^2/NDF : 2679188.8/35

In: 181.924 $\pm$ 0.028 χ^2/NDF :2697671.4/39

Out: 189.462 $\pm$ 0.028 χ^2/NDF :3477556.7/42

All: 185.617 $\pm$ 0.020 χ^2/NDF : 6211988.2/82

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 73.870 $\pm$ 80.221 χ^2 /NDF: 7.7/16

Left Out: 3.823 $\pm$ 48.516 χ^2 /NDF: 7.6/23

Right Out: -2.039 $\pm$ 70.480 χ^2 /NDF: 7.4/18

Left In: 28.280 $\pm$ 44.863 χ^2 /NDF: 7.1/22

Left: 17.007 $\pm$ 32.939 χ^2 /NDF: 14.9/46

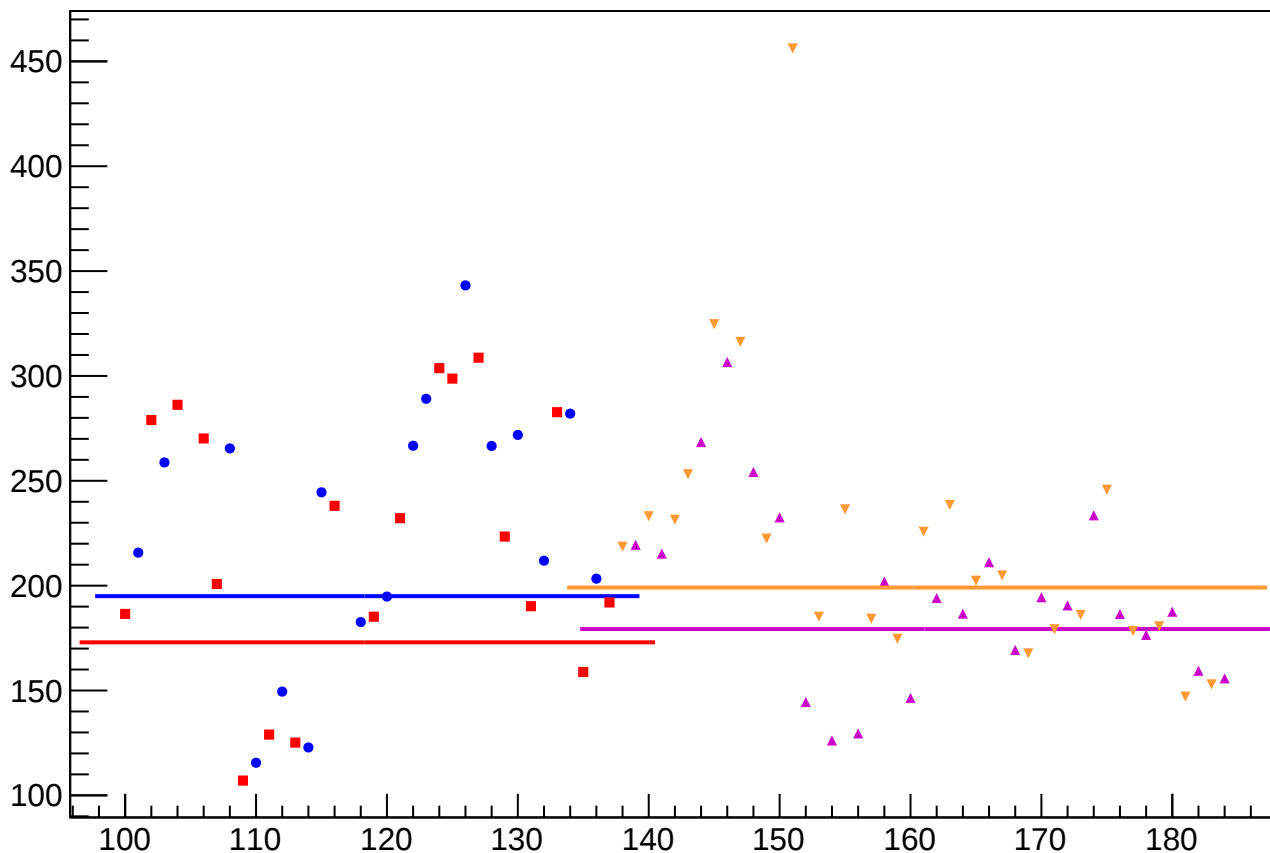
Right: 31.030 $\pm$ 52.948 χ^2 /NDF: 15.5/35

In: 39.142 $\pm$ 39.156 χ^2 /NDF: 15.0/39

Out: 1.938 $\pm$ 39.963 χ^2 /NDF: 15.0/42

All: 20.919 $\pm$ 27.968 χ^2 /NDF: 30.4/82

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.991 $\pm$ 0.057 χ^2/NDF : 1010319.8/16

Left Out: 199.100 $\pm$ 0.034 χ^2/NDF :1716086.1/23

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: 188.440 $\pm$ 0.023 χ^2/NDF : 3513489.3/46

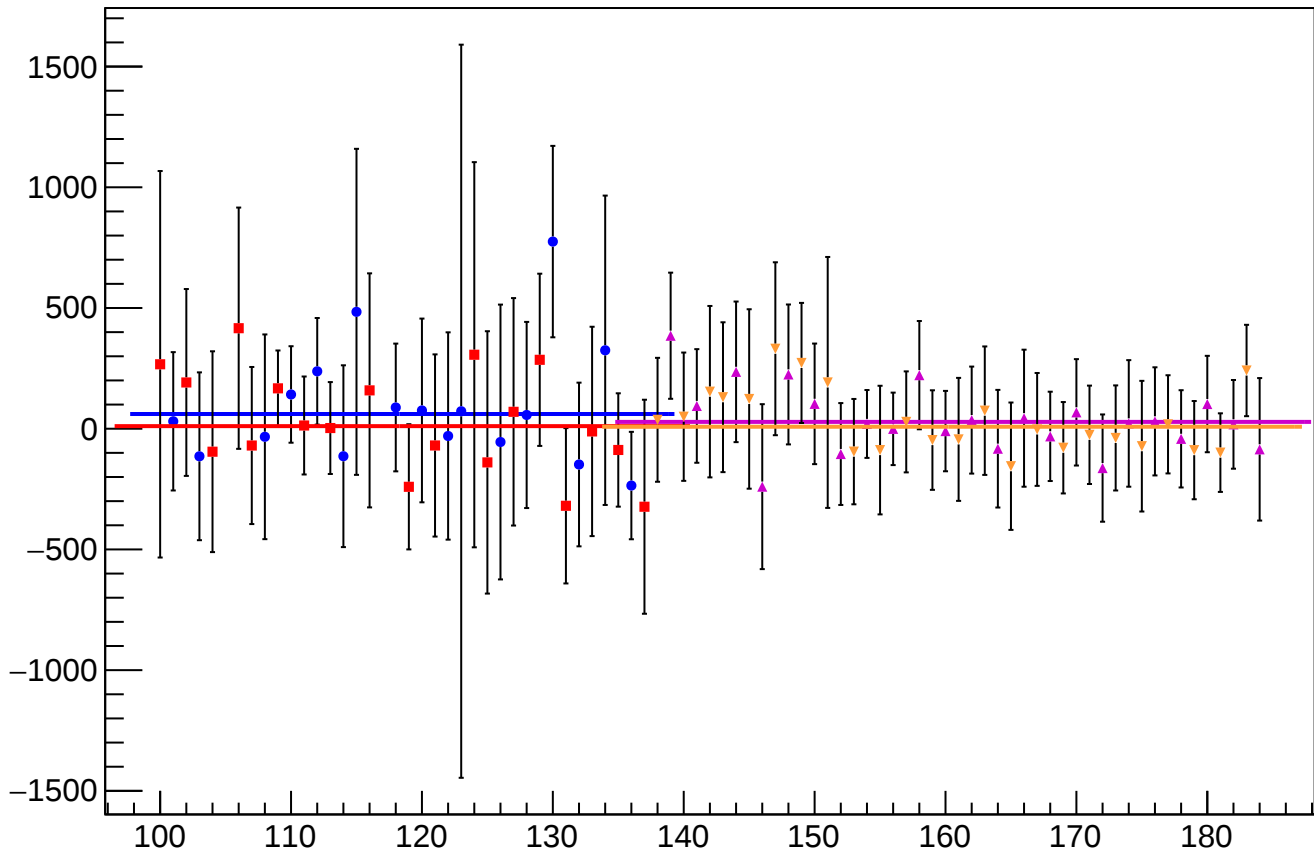
Right: 182.565 $\pm$ 0.037 χ^2/NDF : 2657714.7/35

In: 183.057 $\pm$ 0.028 χ^2/NDF :2686698.8/39

Out: 190.700 $\pm$ 0.028 χ^2/NDF :3464925.8/42

All: 186.800 $\pm$ 0.020 χ^2/NDF : 6188954.5/82

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 60.929 $\pm$ 80.216 χ^2 /NDF: 7.4/16

Left Out: 8.208 $\pm$ 48.390 χ^2 /NDF:6.0/23

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: 19.027 $\pm$ 32.852 χ^2 /NDF: 12.4/46

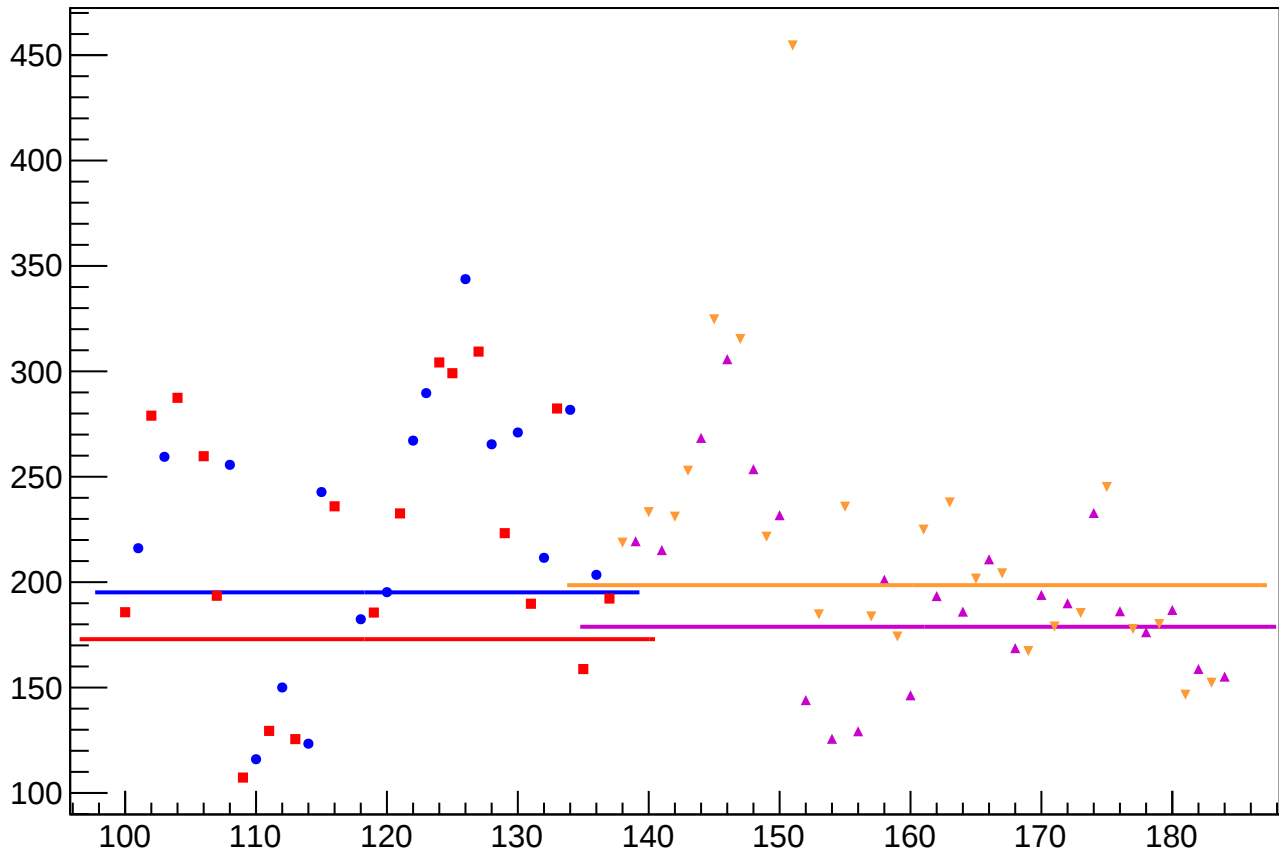
Right: 32.537 $\pm$ 52.913 χ^2 /NDF: 13.4/35

In: 36.025 $\pm$ 39.076 χ^2 /NDF:13.9/39

Out: 8.997 $\pm$ 39.878 χ^2 /NDF:11.8/42

All: 22.786 $\pm$ 27.910 χ^2 /NDF: 25.9/82

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 195.157+/-0.057 χ^2/NDF : 988306.7/16

Left Out: 198.570+/-0.034 χ^2/NDF :1721247.8/23

Right Out: 172.948+/-0.050 χ^2/NDF : 1539308.8/18

Left In: 178.836+/-0.032 χ^2/NDF :1622266.9/22

Left: 187.931+/-0.023 χ^2/NDF : 3522838.9/46

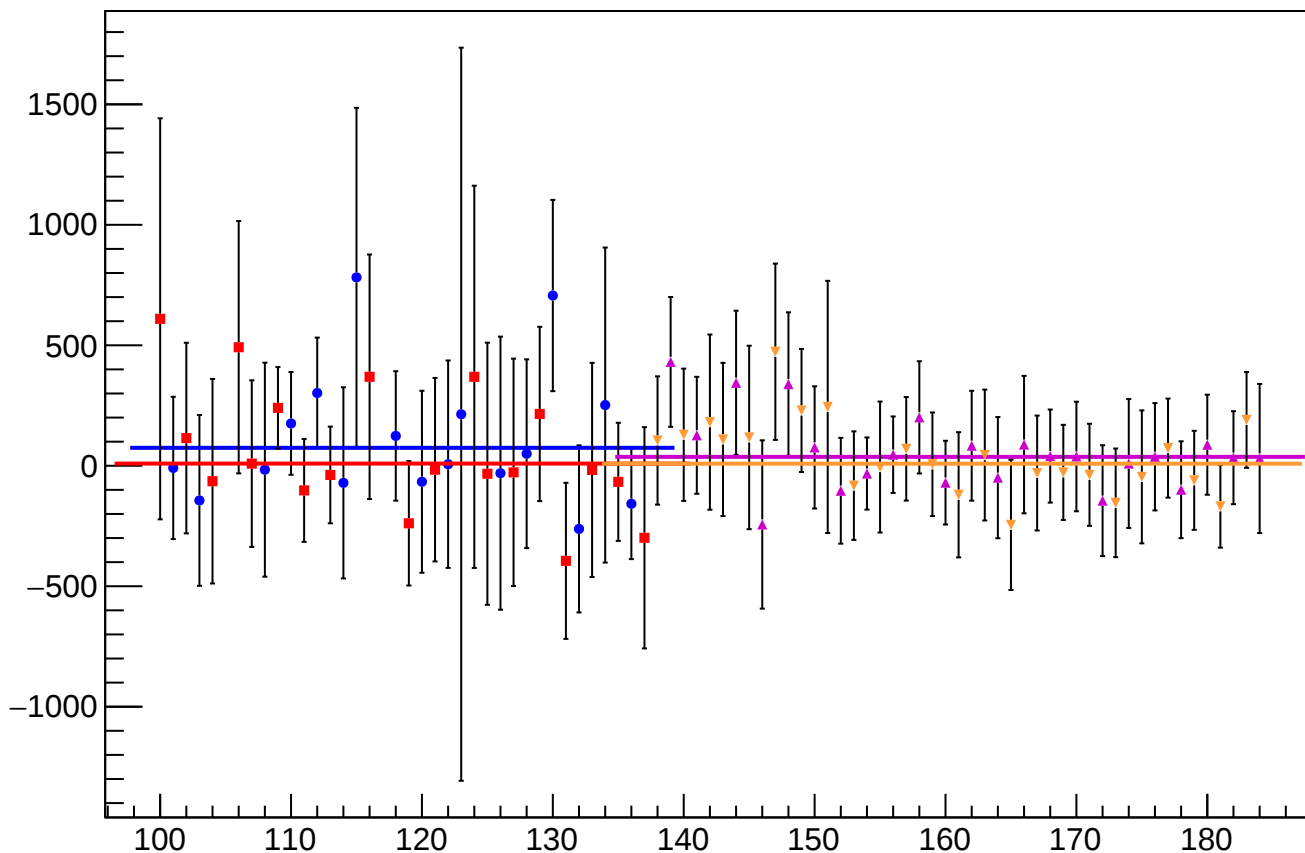
Right: 182.611+/-0.037 χ^2/NDF : 2614216.7/35

In: 182.709+/-0.028 χ^2/NDF :2673719.8/39

Out: 190.349+/-0.028 χ^2/NDF :3440475.4/42

All: 186.451+/-0.020 χ^2/NDF : 6151650.4/82

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 74.541 $\pm$ 82.742 χ^2 /NDF: 7.7/16

Left Out: 8.647 $\pm$ 49.891 χ^2 /NDF:7.5/23

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: 23.863 $\pm$ 33.960 χ^2 /NDF: 15.5/46

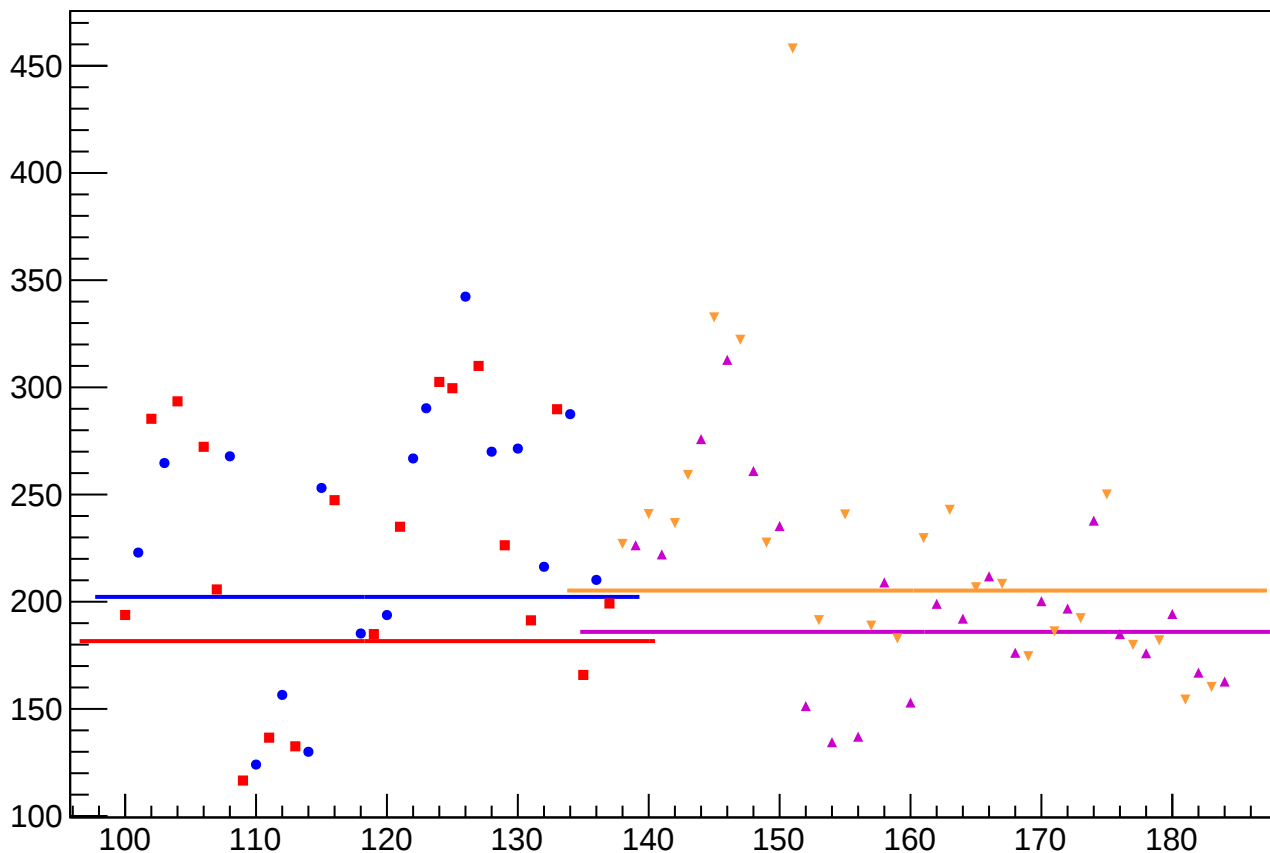
Right: 37.874 $\pm$ 54.889 χ^2 /NDF: 15.8/35

In: 45.969 $\pm$ 40.443 χ^2 /NDF:15.7/39

Out: 8.776 $\pm$ 41.254 χ^2 /NDF:15.2/42

All: 27.742 $\pm$ 28.880 χ^2 /NDF: 31.3/82

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.251+/-0.059 χ^2/NDF : 883731.1/16

Left Out: 205.208+/-0.035 χ^2/NDF : 1619867.0/23

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: 194.863+/-0.024 χ^2/NDF : 3240163.0/46

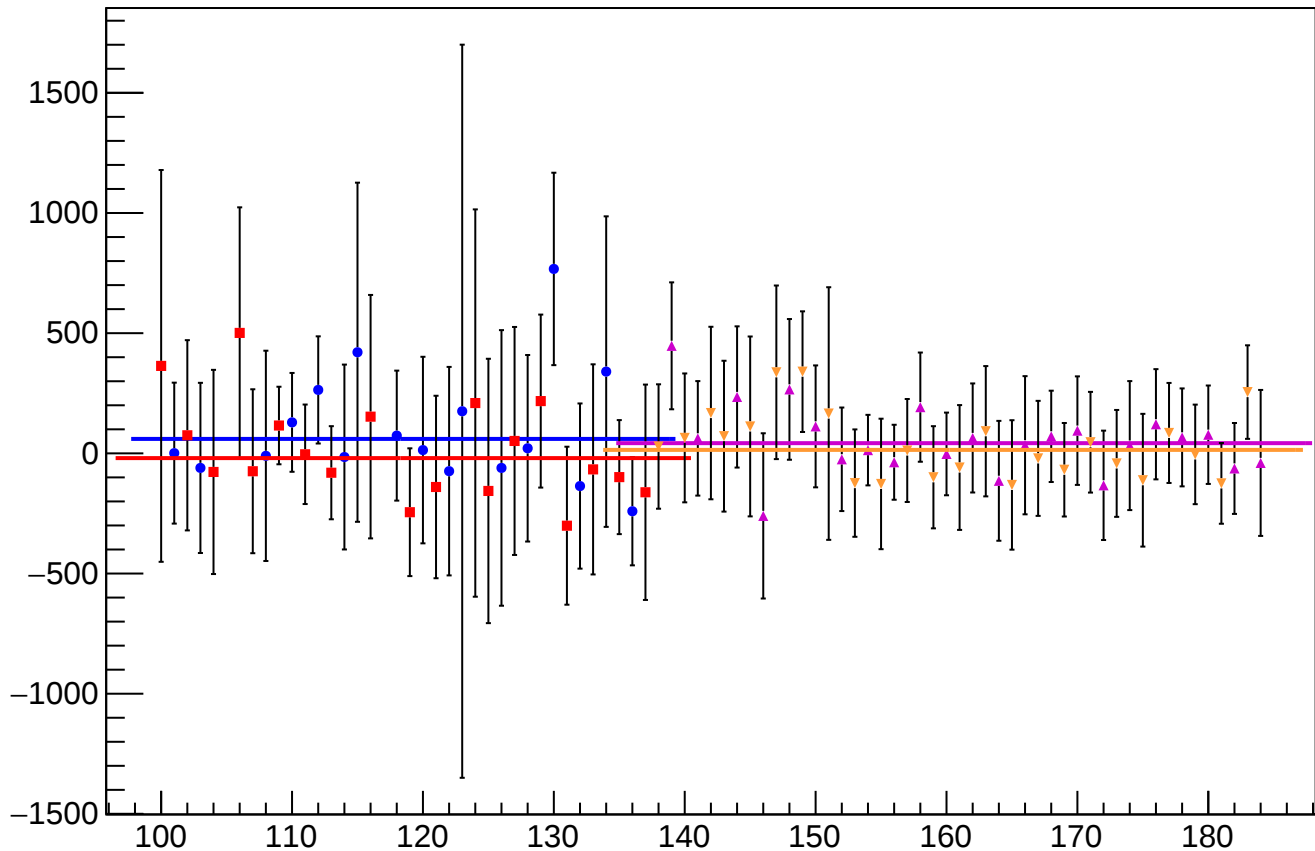
Right: 190.710+/-0.039 χ^2/NDF : 2326703.3/35

In: 189.830+/-0.029 χ^2/NDF : 2403012.0/39

Out: 197.754+/-0.029 χ^2/NDF : 3134512.0/42

All: 193.713+/-0.020 χ^2/NDF : 5575145.2/82

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 60.119+/-81.659 χ^2/NDF : 7.0/16

Left Out: 14.408+/-49.440 χ^2/NDF : 7.1/23

Right Out: -19.746+/-71.914 χ^2/NDF : 4.6/18

Left In: 42.446+/-45.861 χ^2/NDF : 6.7/22

Left: 29.479+/-33.623 χ^2/NDF : 14.0/46

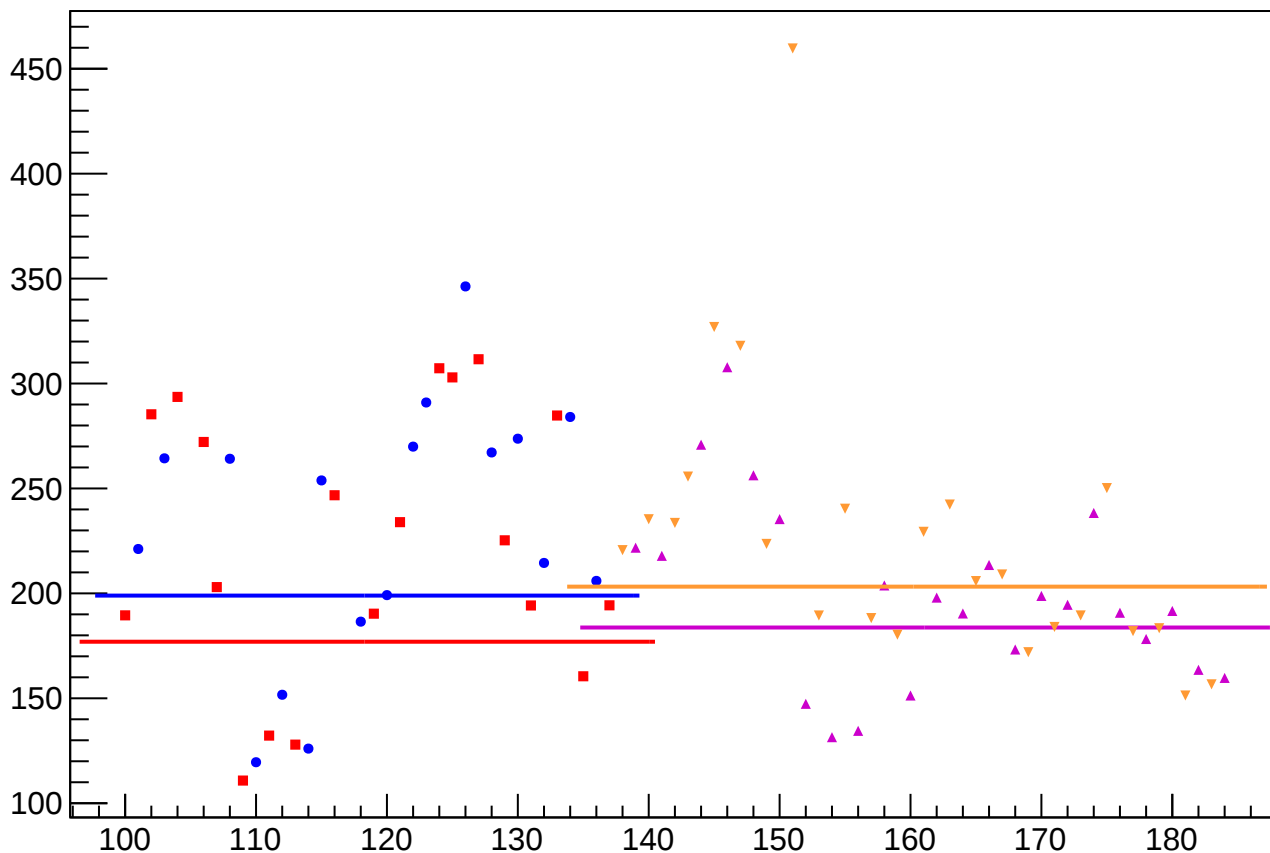
Right: 15.139+/-53.969 χ^2/NDF : 12.2/35

In: 46.684+/-39.986 χ^2/NDF : 13.8/39

Out: 3.446+/-40.741 χ^2/NDF : 11.9/42

All: 25.469+/-28.537 χ^2/NDF : 26.3/82

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.943 $\pm$ 0.058 χ^2 /NDF: 965773.2/16

Left Out: 203.210 $\pm$ 0.035 χ^2 /NDF:1637386.2/23

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: 192.740 $\pm$ 0.024 χ^2 /NDF: 3300165.9/46

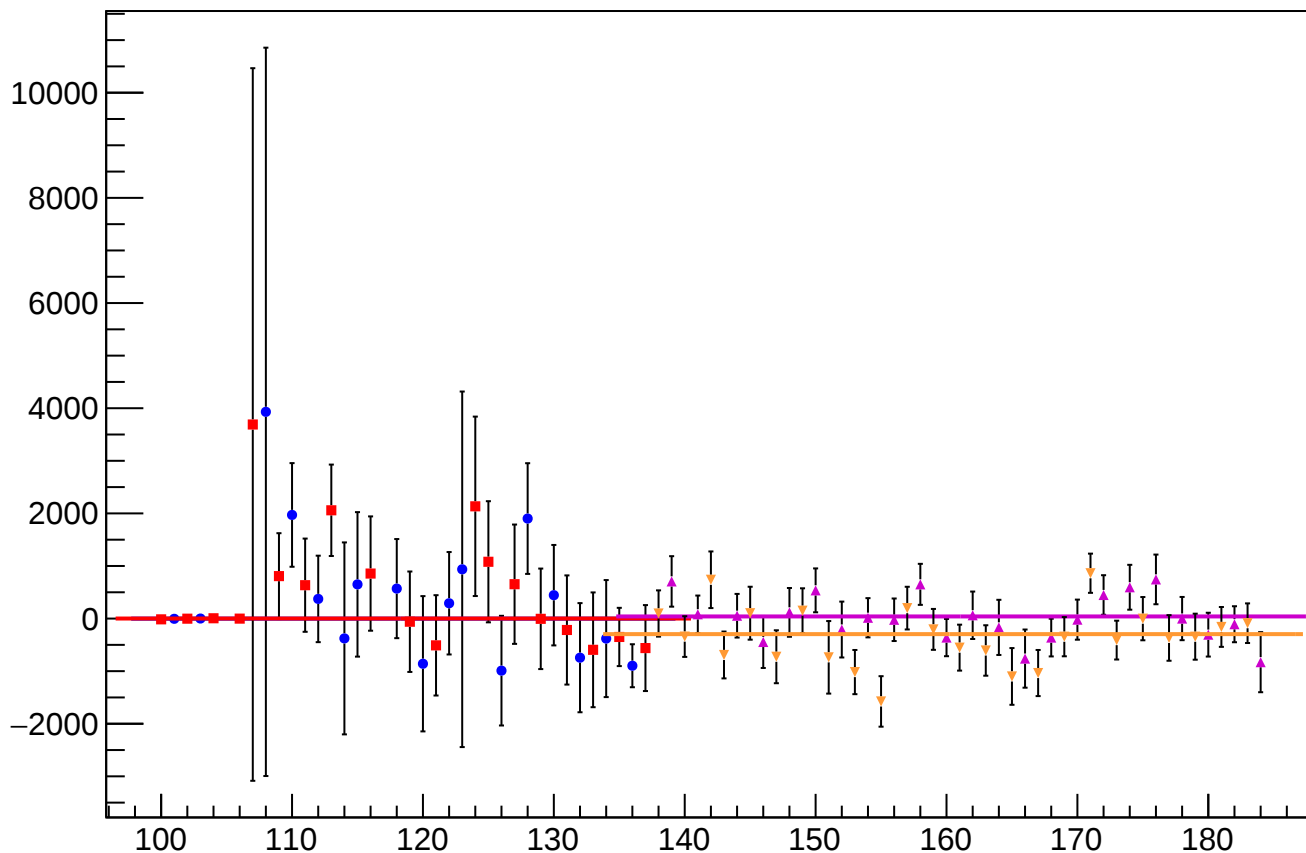
Right: 186.563 $\pm$ 0.038 χ^2 /NDF: 2566934.9/35

In: 187.379 $\pm$ 0.028 χ^2 /NDF:2514456.5/39

Out: 194.785 $\pm$ 0.029 χ^2 /NDF:3337858.0/42

All: 191.013 $\pm$ 0.020 χ^2 /NDF: 5885978.2/82

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.9/16

Left Out: -295.808 ± 88.054 χ^2/NDF : 36.3/23

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: -126.545 ± 62.056 χ^2/NDF : 63.8/46

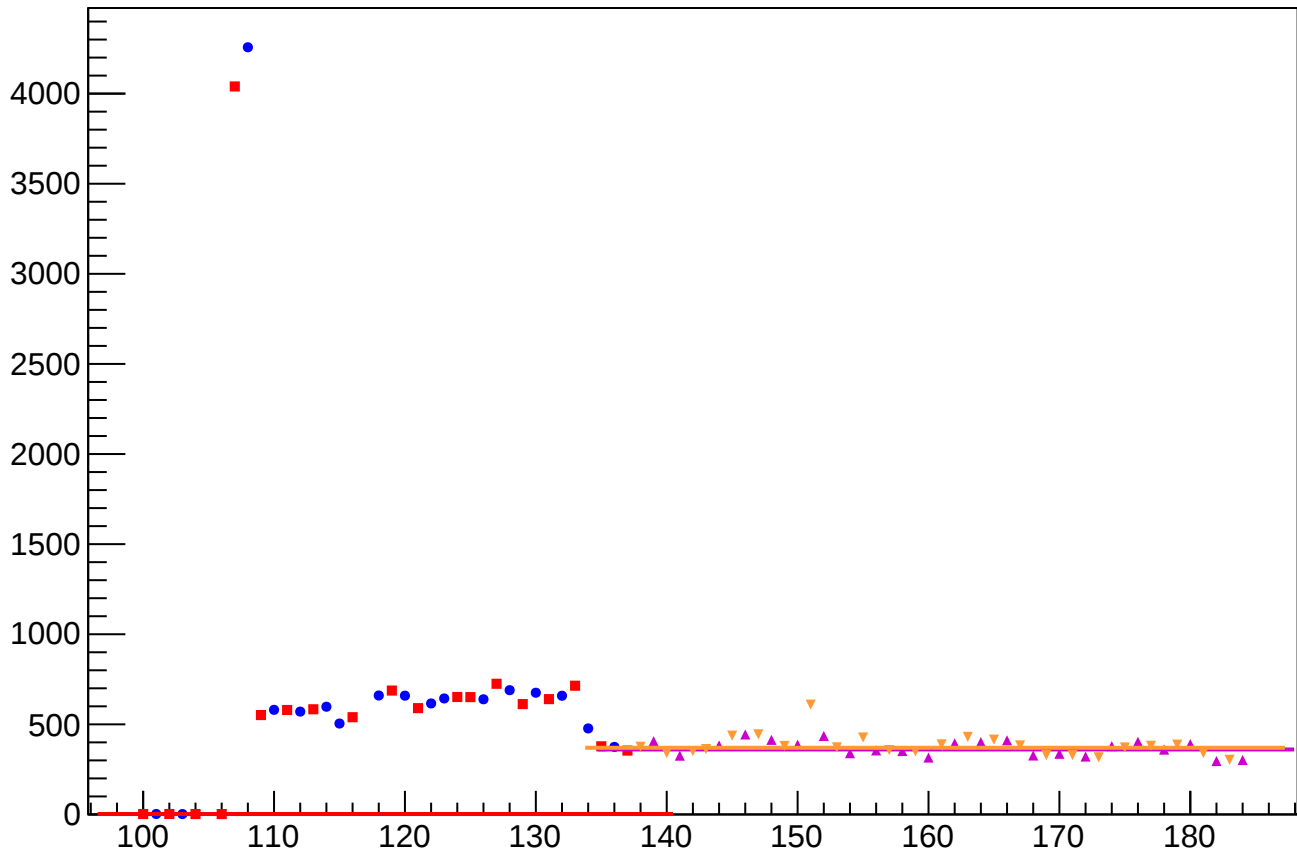
Right: -0.326 ± 1.540 χ^2/NDF : 35.7/35

In: -1.501 ± 2.251 χ^2/NDF : 37.3/39

Out: 0.560 ± 2.111 χ^2/NDF : 65.9/42

All: -0.404 ± 1.540 χ^2/NDF : 103.6/82

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10667142.2/16

Left Out: 370.080+/-0.062 χ^2/NDF : 590190.8/23

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: 365.294+/-0.044 χ^2/NDF : 1023925.1/46

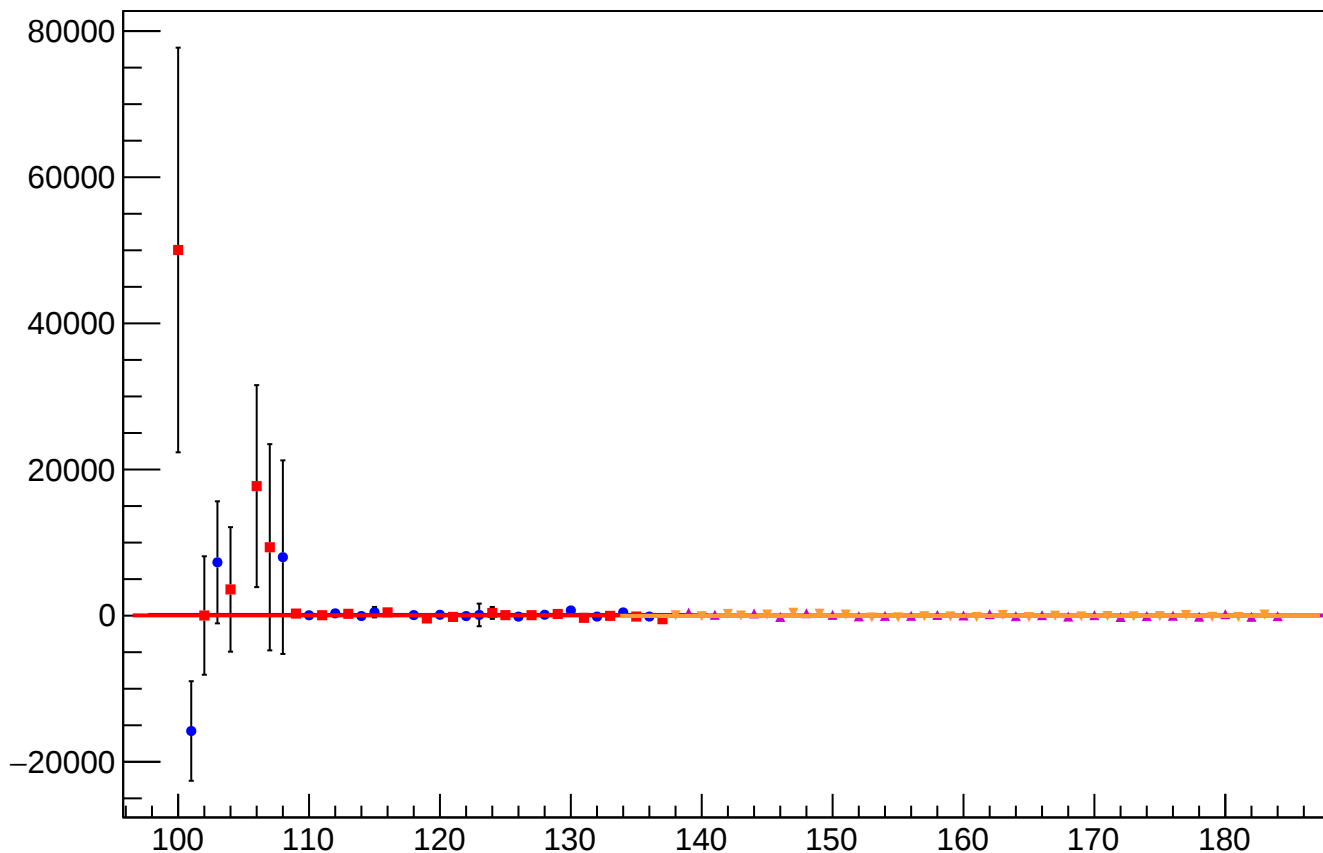
Right: 2.446+/-0.001 χ^2/NDF : 21761293.3/35

In: 2.693+/-0.002 χ^2/NDF : 44591142.4/39

Out: 2.648+/-0.001 χ^2/NDF : 46529039.7/42

All: 2.669+/-0.001 χ^2/NDF : 91120612.8/82

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 99.358 $\pm$ 92.026 χ^2 /NDF: 12.0/16

Left Out: -44.101 $\pm$ 50.232 χ^2 /NDF:8.5/23

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: -6.405 $\pm$ 34.715 χ^2 /NDF: 19.2/46

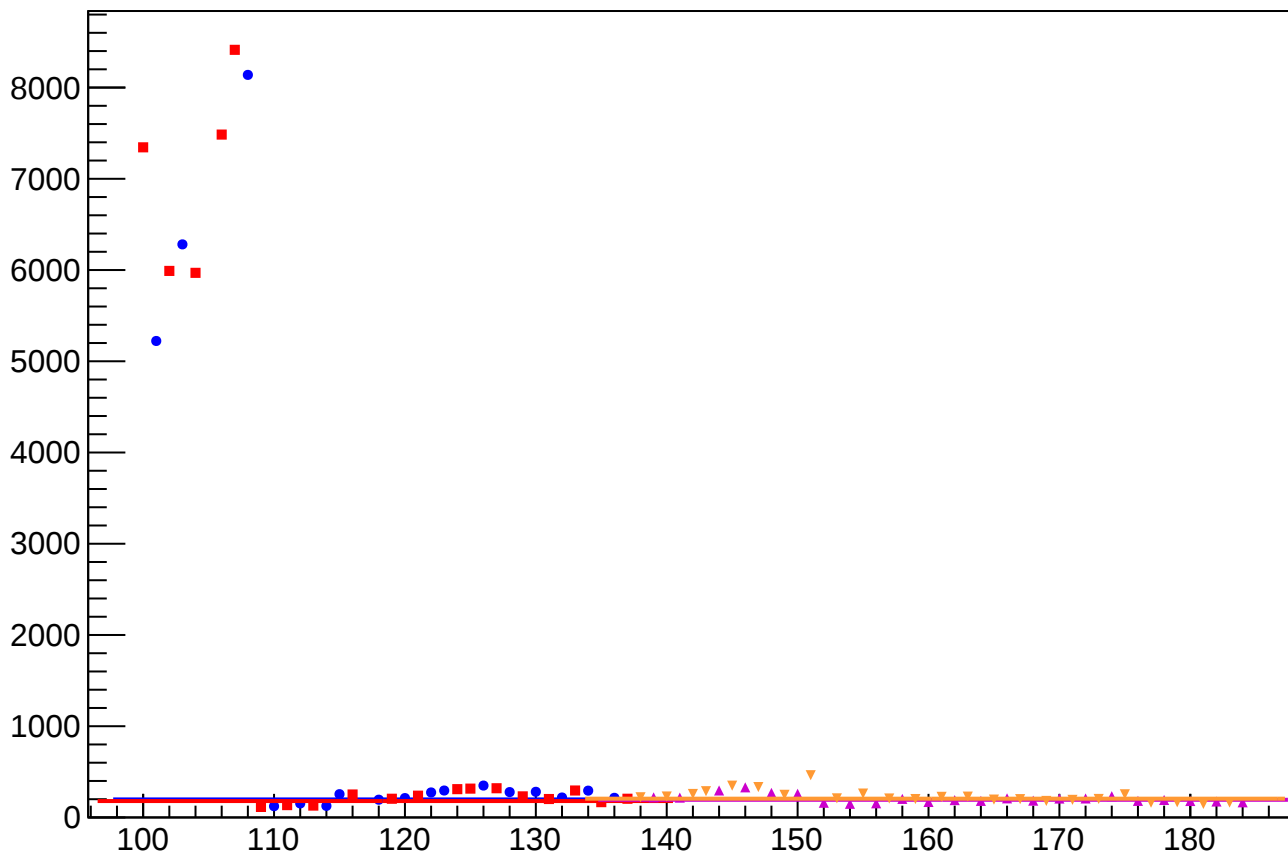
Right: 66.173 $\pm$ 62.272 χ^2 /NDF: 26.4/35

In: 43.326 $\pm$ 42.581 χ^2 /NDF:22.1/39

Out: -22.654 $\pm$ 43.189 χ^2 /NDF:23.3/42

All: 10.803 $\pm$ 30.322 χ^2 /NDF: 46.6/82

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.646+/-0.065 χ^2/NDF : 3699445.6/16

Left Out: 205.884+/-0.036 χ^2/NDF : 1905896.0/23

Right Out: 179.782+/-0.060 χ^2/NDF : 4315815.4/18

Left In: 193.616+/-0.034 χ^2/NDF : 1179471.1/22

Left: 199.476+/-0.025 χ^2/NDF : 3147686.8/46

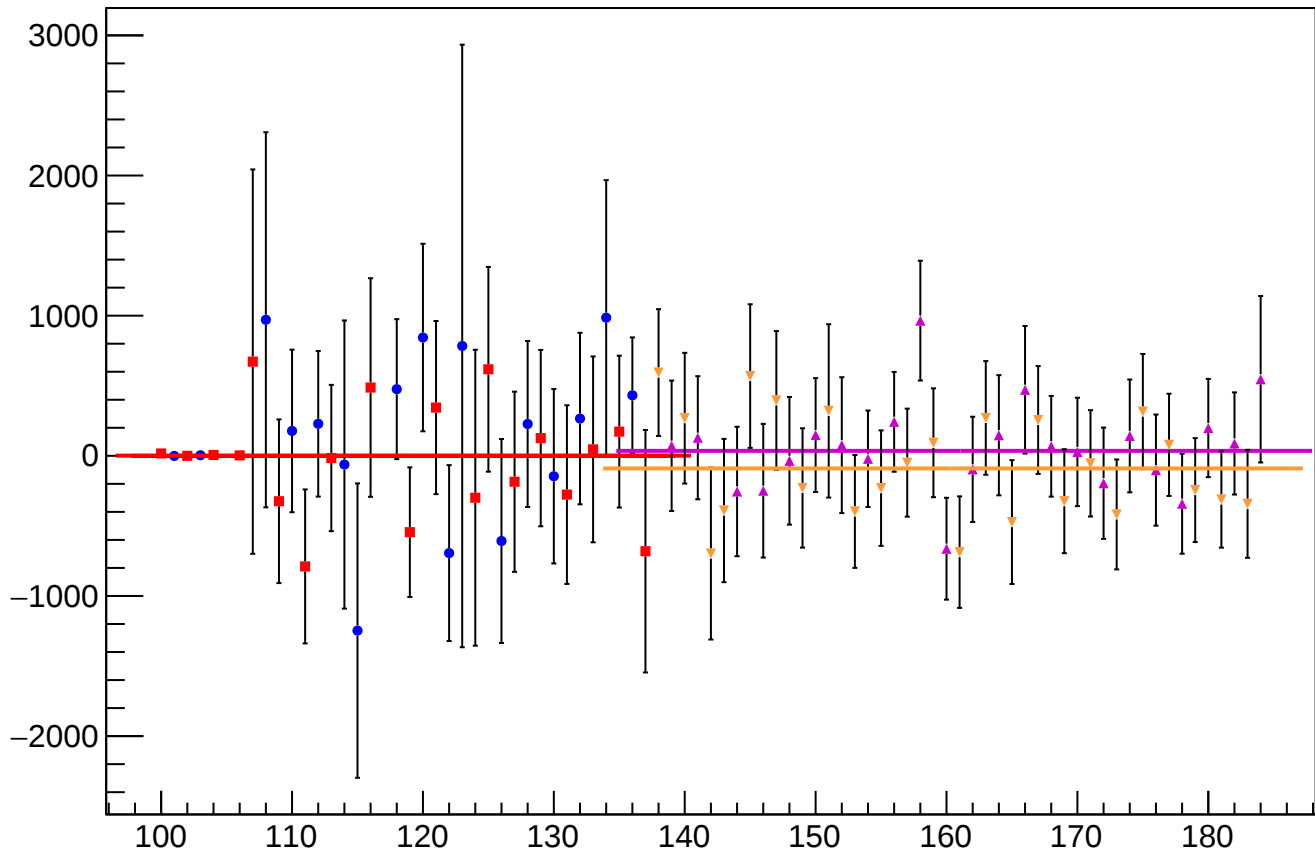
Right: 187.962+/-0.044 χ^2/NDF : 8056116.7/35

In: 194.479+/-0.030 χ^2/NDF : 4881930.6/39

Out: 199.078+/-0.031 χ^2/NDF : 6362538.4/42

All: 196.746+/-0.021 χ^2/NDF : 11255968.5/82

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.141 $\pm$ 1.737 χ^2/NDF : 10.1/16

Left Out: -90.099 $\pm$ 85.035 χ^2/NDF :16.2/23

Right Out: 1.323 $\pm$ 1.623 χ^2/NDF : 9.3/18

Left In: 35.488 $\pm$ 84.382 χ^2/NDF :13.4/22

Left: -26.822 $\pm$ 59.897 χ^2/NDF : 30.7/46

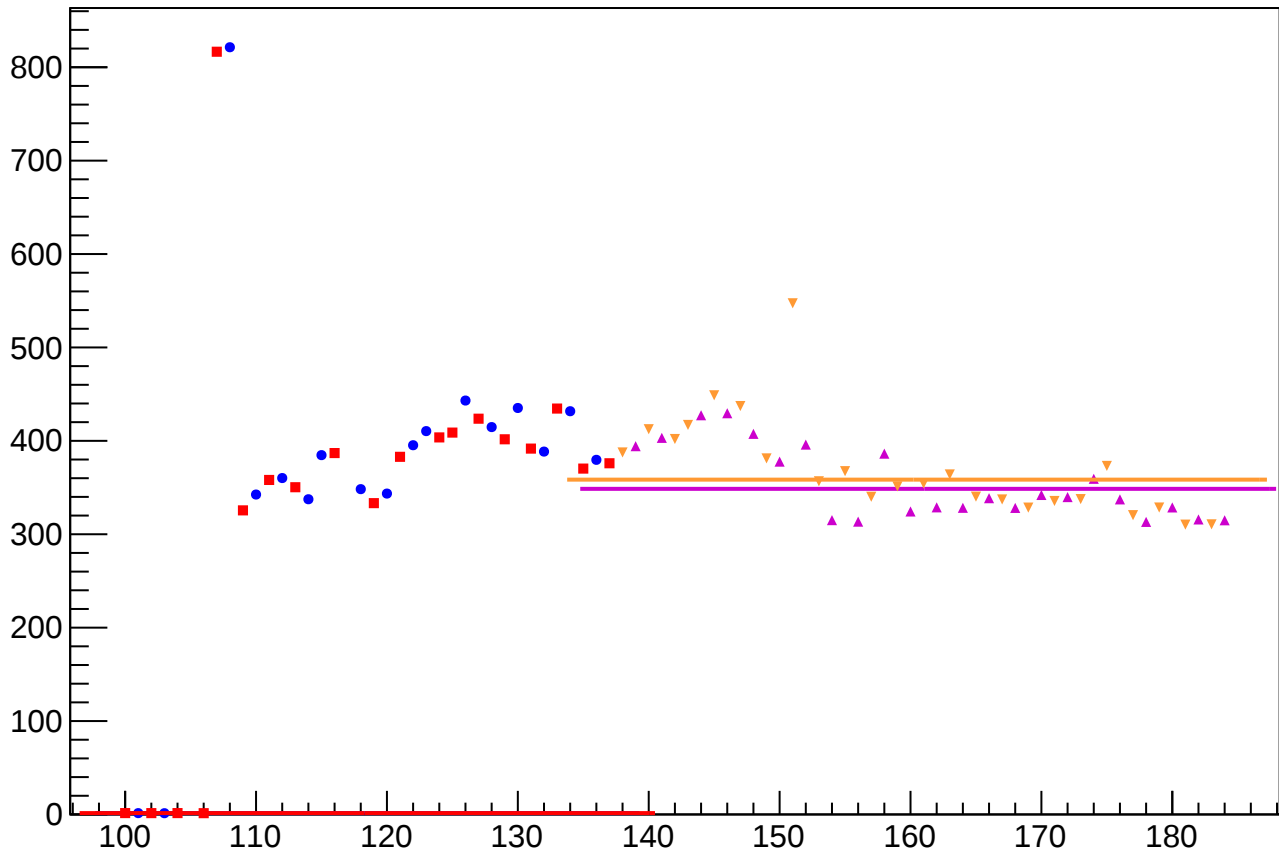
Right: 0.641 $\pm$ 1.186 χ^2/NDF : 19.8/35

In: -0.126 $\pm$ 1.736 χ^2/NDF :23.7/39

Out: 1.289 $\pm$ 1.622 χ^2/NDF :26.6/42

All: 0.630 $\pm$ 1.185 χ^2/NDF : 50.7/82

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452 $\pm$ 0.001 χ^2 /NDF: 10771707.1/16

Left Out: 358.472 $\pm$ 0.060 χ^2 /NDF: 525937.8/23

Right Out: 1.451 $\pm$ 0.001 χ^2 /NDF: 10831648.9/18

Left In: 348.611 $\pm$ 0.060 χ^2 /NDF: 362511.2/22

Left: 353.504 $\pm$ 0.042 χ^2 /NDF: 901999.9/46

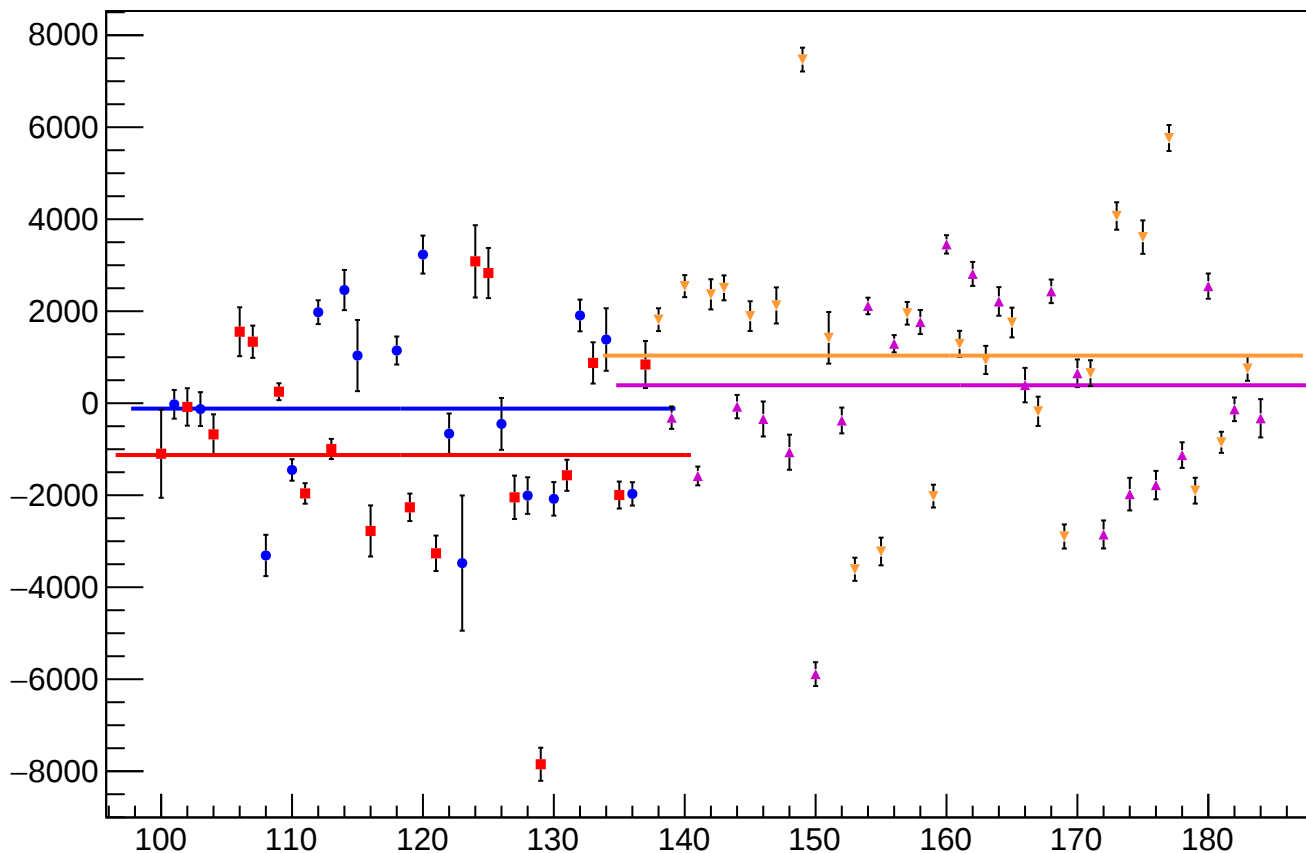
Right: 1.451 $\pm$ 0.001 χ^2 /NDF: 21603356.4/35

In: 1.599 $\pm$ 0.001 χ^2 /NDF: 44971836.0/39

Out: 1.581 $\pm$ 0.001 χ^2 /NDF: 46599971.4/42

All: 1.589 $\pm$ 0.001 χ^2 /NDF: 91571923.7/82

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -116.817 ± 88.319 $\chi^2/\text{NDF}: 420.4/16$

Left Out: 1035.601 ± 58.031 $\chi^2/\text{NDF}: 2295.5/23$

Right Out: -1126.157 ± 78.463 $\chi^2/\text{NDF}: 687.7/18$

Left In: 390.237 ± 54.931 $\chi^2/\text{NDF}: 1584.9/22$

Left: 695.221 ± 39.893 $\chi^2/\text{NDF}: 3945.6/46$

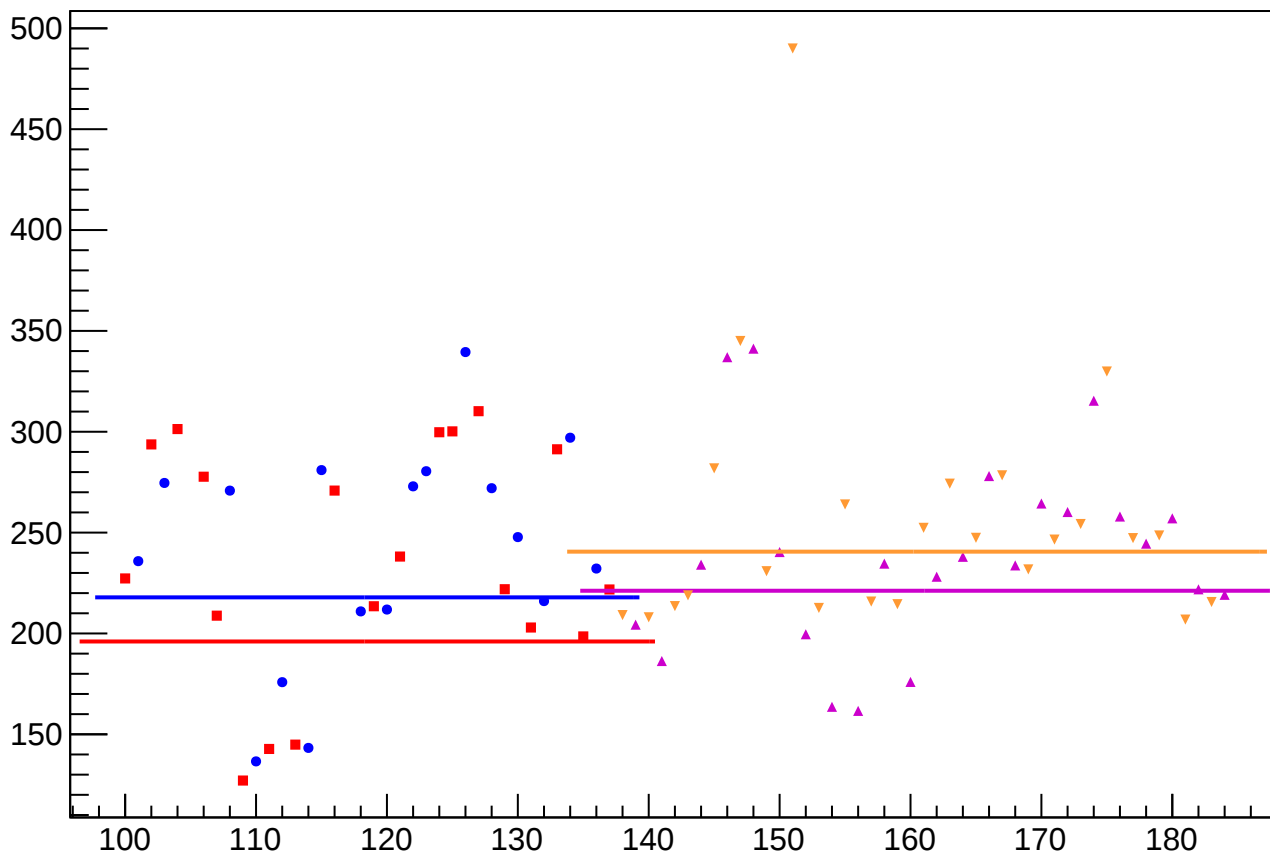
Right: -680.927 ± 58.658 $\chi^2/\text{NDF}: 1181.1/35$

In: 248.801 ± 46.645 $\chi^2/\text{NDF}: 2029.1/39$

Out: 271.216 ± 46.657 $\chi^2/\text{NDF}: 3473.9/42$

All: 260.006 ± 32.987 $\chi^2/\text{NDF}: 5503.1/82$

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.896 $\pm$ 0.062 χ^2 /NDF: 661999.5/16

Left Out: 240.558 $\pm$ 0.041 χ^2 /NDF: 994541.2/23

Right Out: 196.020 $\pm$ 0.055 χ^2 /NDF: 1189250.9/18

Left In: 221.173 $\pm$ 0.039 χ^2 /NDF: 1342517.8/22

Left: 230.334 $\pm$ 0.028 χ^2 /NDF: 2454767.2/46

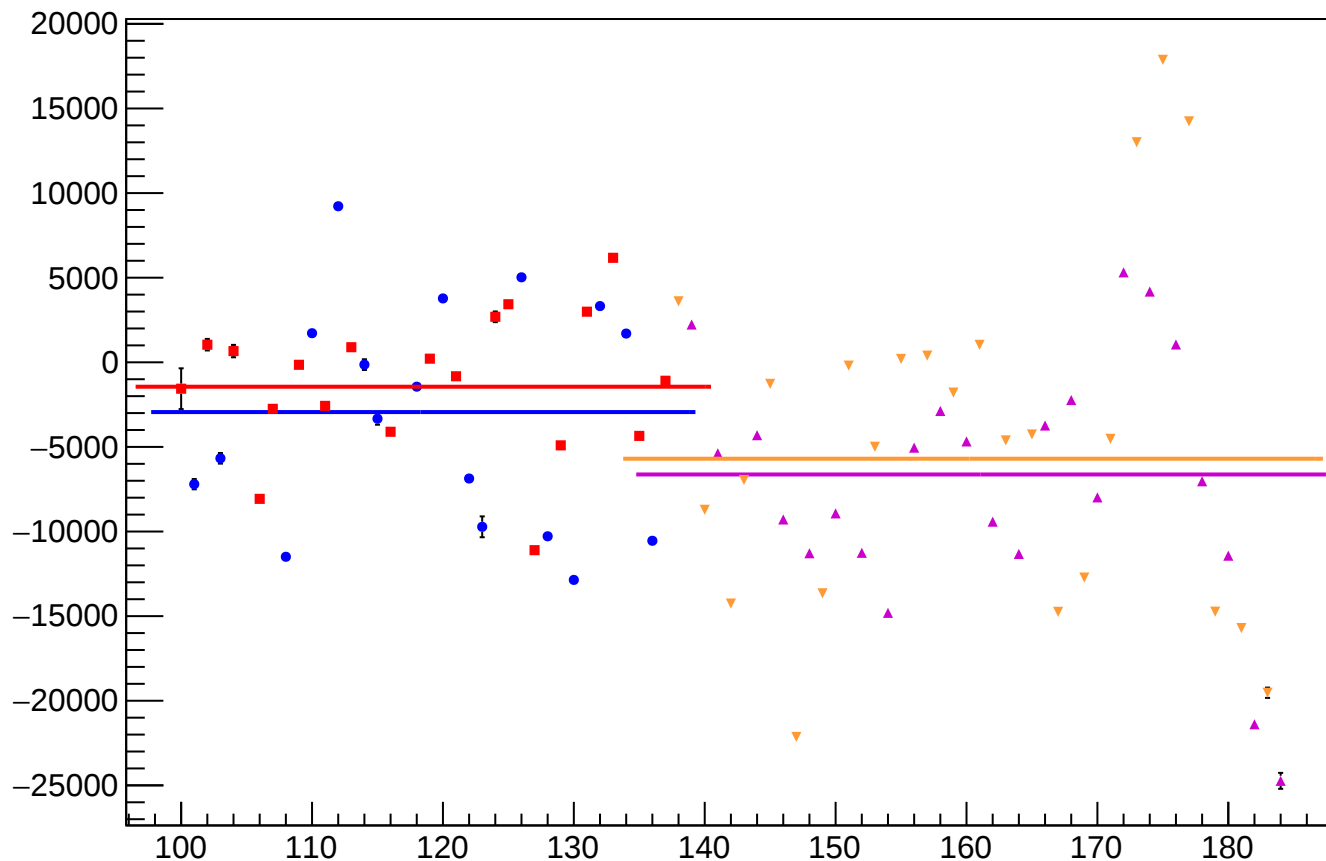
Right: 205.670 $\pm$ 0.041 χ^2 /NDF: 1919826.3/35

In: 220.259 $\pm$ 0.033 χ^2 /NDF: 2006502.5/39

Out: 224.810 $\pm$ 0.033 χ^2 /NDF: 2600339.9/42

All: 222.534 $\pm$ 0.023 χ^2 /NDF: 4616359.3/82

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2940.841+/-48.696 χ^2/NDF : 20909.3/16

Left Out: -5697.594+/-36.088 χ^2/NDF : 62232.6/23

Right Out: -1442.426+/-46.381 χ^2/NDF : 8011.4/18

Left In: -6628.388+/-37.160 χ^2/NDF : 21738.0/22

Left: -6149.365+/-25.889 χ^2/NDF : 84293.6/46

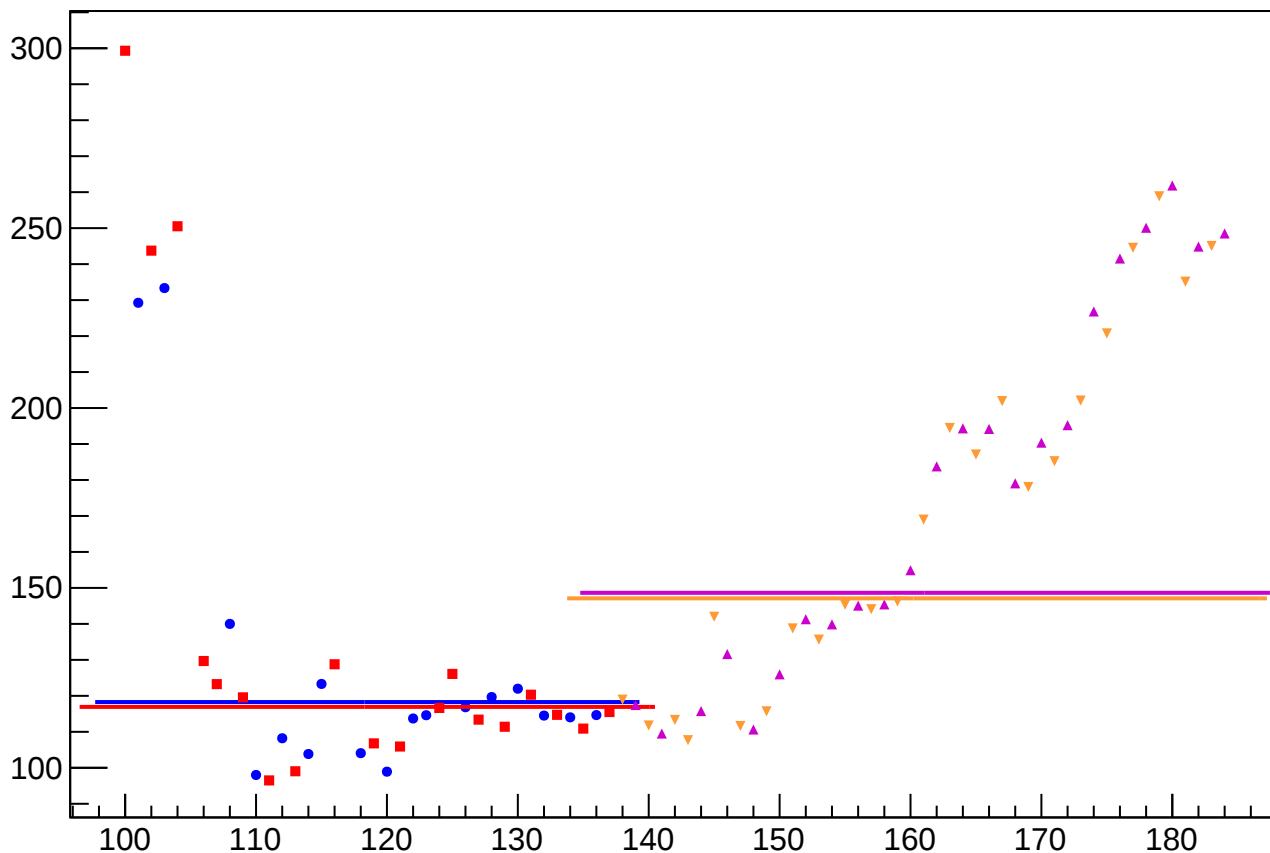
Right: -2155.167+/-33.585 χ^2/NDF : 29417.2/35

In: -5271.313+/-29.541 χ^2/NDF : 46271.4/39

Out: -4092.984+/-28.482 χ^2/NDF : 75486.9/42

All: -4660.640+/-20.504 χ^2/NDF : 122582.8/8

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.278+/-0.034 χ^2/NDF : 637027.4/16

Left Out: 147.096+/-0.026 χ^2/NDF : 2427205.6/23

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: 147.846+/-0.018 χ^2/NDF : 4844520.0/46

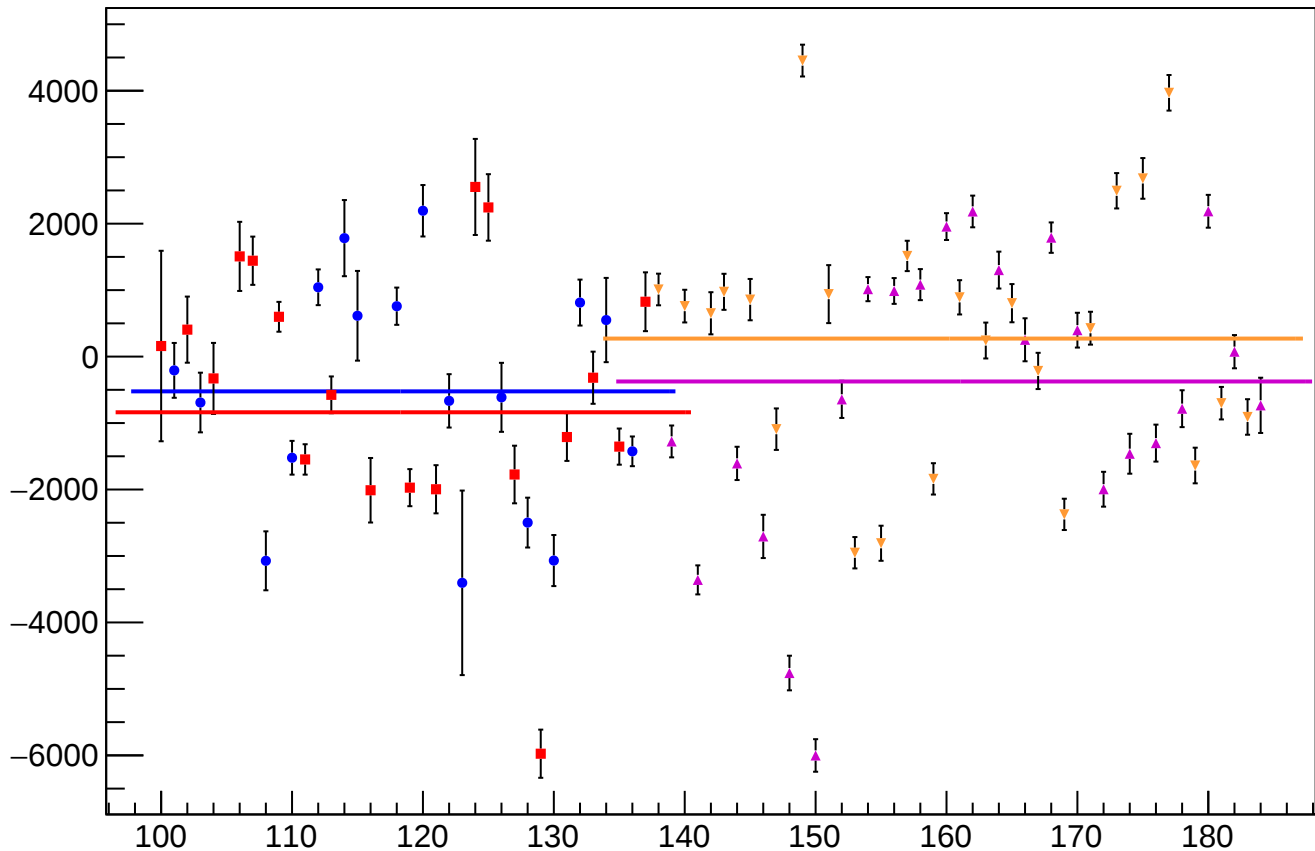
Right: 117.571+/-0.024 χ^2/NDF : 1327423.4/35

In: 137.468+/-0.021 χ^2/NDF : 3543984.1/39

Out: 135.720+/-0.020 χ^2/NDF : 3643797.4/42

All: 136.562+/-0.014 χ^2/NDF : 7191409.0/82

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -523.148±/89.404 χ^2/NDF : 282.6/16

Left Out: 271.102±/54.022 χ^2/NDF :1332.3/23

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: -64.654±/37.424 χ^2/NDF : 3204.8/46

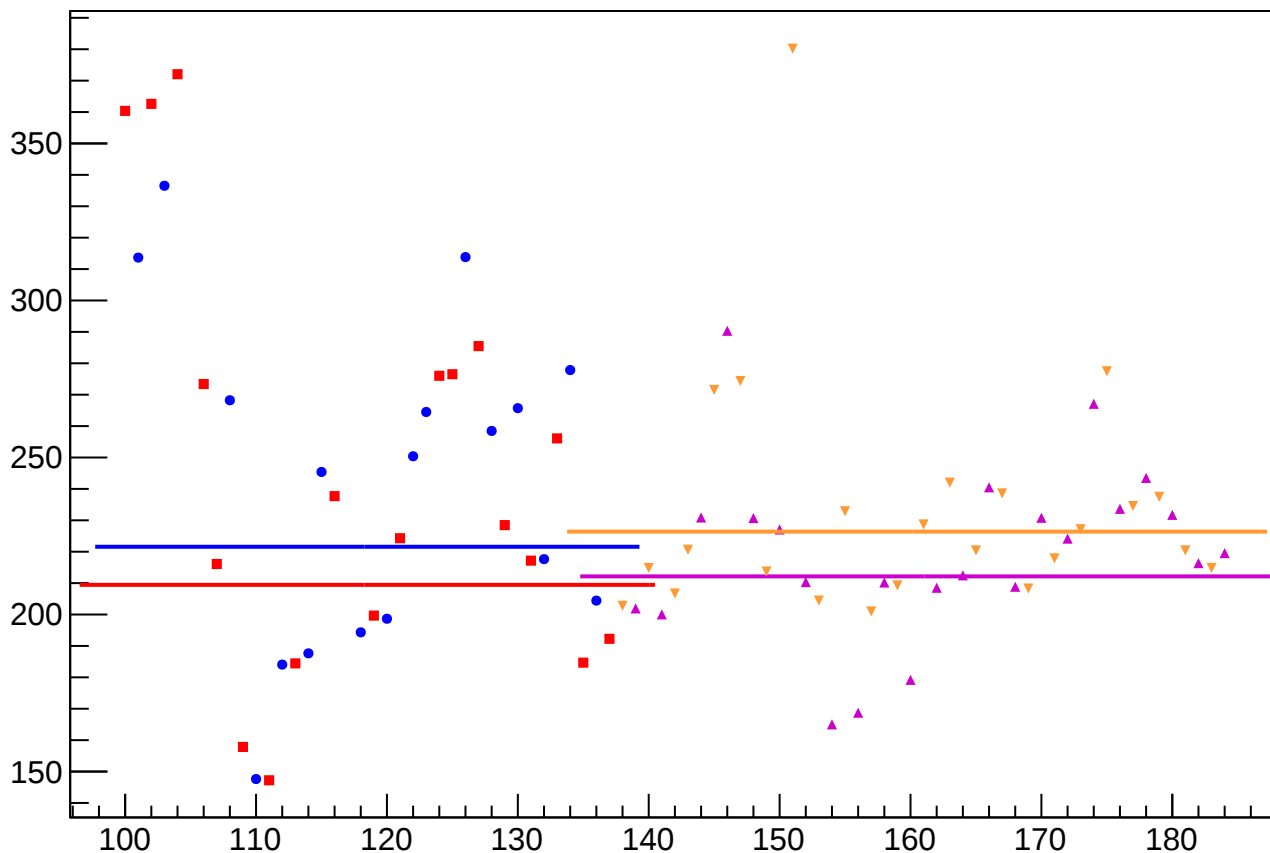
Right: -693.643±/60.536 χ^2/NDF : 726.9/35

In: -411.933±/44.880 χ^2/NDF :2082.9/39

Out: -63.078±/45.155 χ^2/NDF :1896.9/42

All: -238.571±/31.832 χ^2/NDF : 4009.9/82

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.577 ± 0.063 χ^2/NDF : 645771.3/16

Left Out: 226.399 ± 0.038 χ^2/NDF : 521892.8/23

Right Out: 209.447 ± 0.058 χ^2/NDF : 879299.7/18

Left In: 212.145 ± 0.037 χ^2/NDF : 591698.6/22

Left: 218.985 ± 0.026 χ^2/NDF : 1186009.5/46

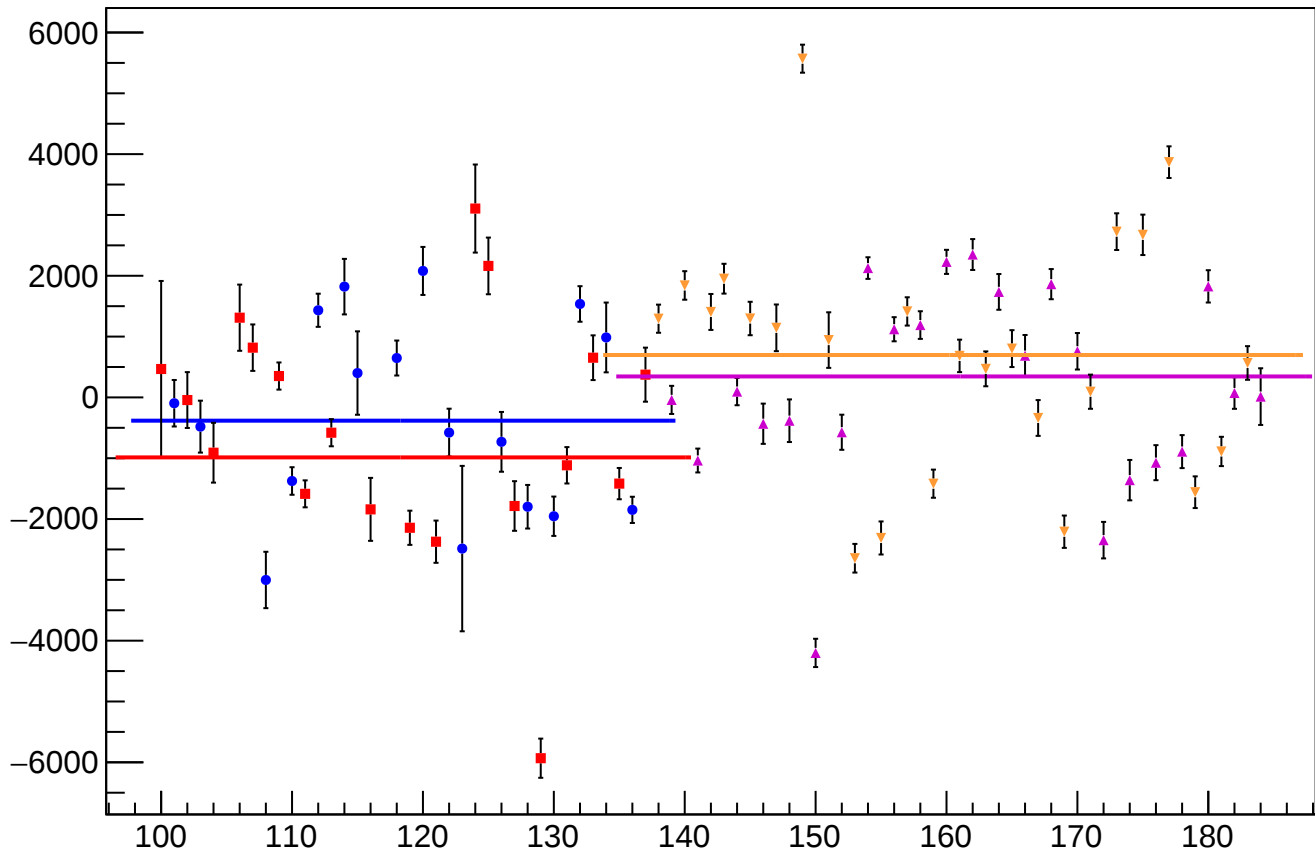
Right: 215.008 ± 0.043 χ^2/NDF : 1545008.7/35

In: 214.522 ± 0.032 χ^2/NDF : 1254121.6/39

Out: 221.291 ± 0.032 χ^2/NDF : 1460531.5/42

All: 217.886 ± 0.023 χ^2/NDF : 2737263.6/82

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -382.695+/-84.465 χ^2/NDF : 309.9/16

Left Out: 696.930+/-54.831 χ^2/NDF :1417.8/23

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: 514.619+/-38.091 χ^2/NDF : 2424.2/46

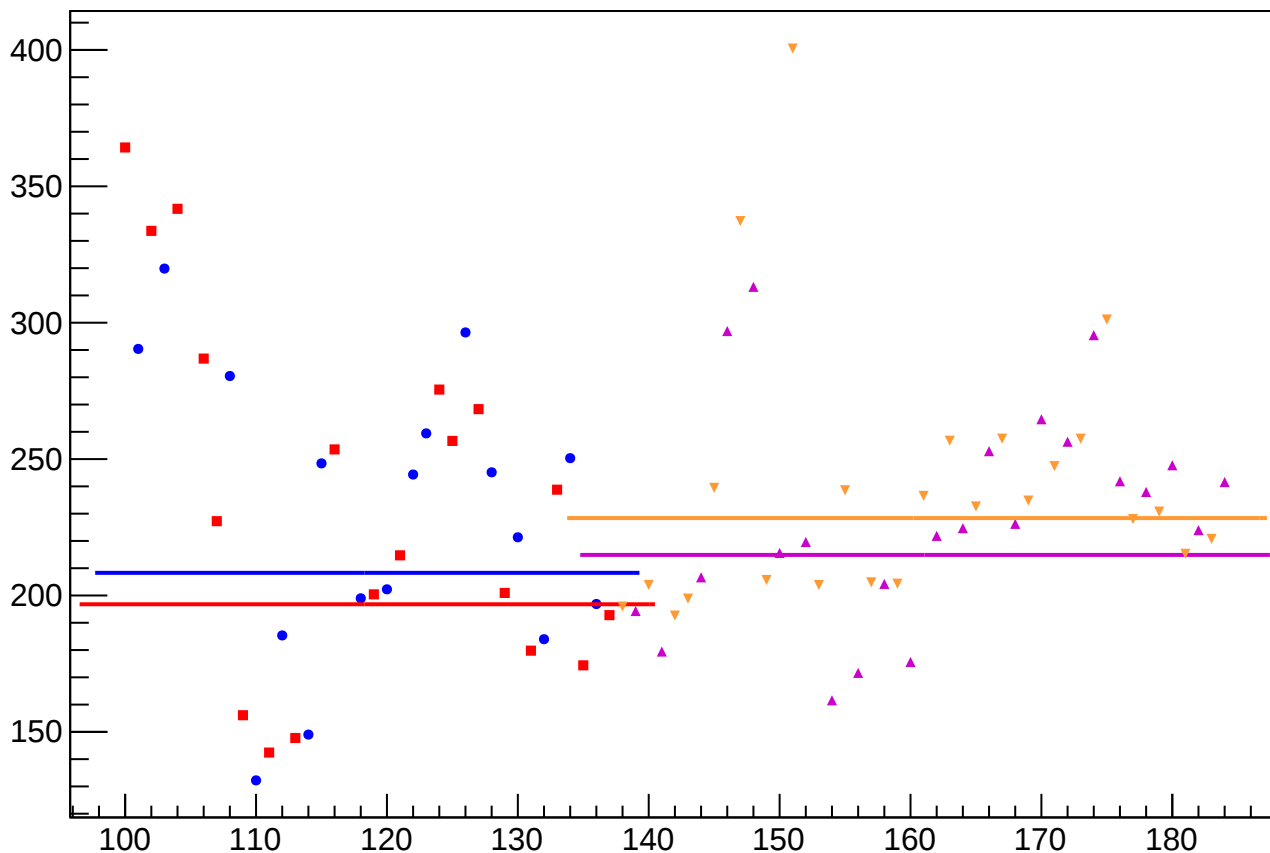
Right: -709.764+/-57.182 χ^2/NDF : 814.5/35

In: 139.380+/-44.866 χ^2/NDF :1348.1/39

Out: 137.244+/-44.799 χ^2/NDF :2208.1/42

All: 138.310+/-31.701 χ^2/NDF : 3556.2/82

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.304 $\pm$ 0.060 χ^2 /NDF: 698771.8/16

Left Out: 228.374 $\pm$ 0.039 χ^2 /NDF: 827507.7/23

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: 221.391 $\pm$ 0.027 χ^2 /NDF: 1927712.1/46

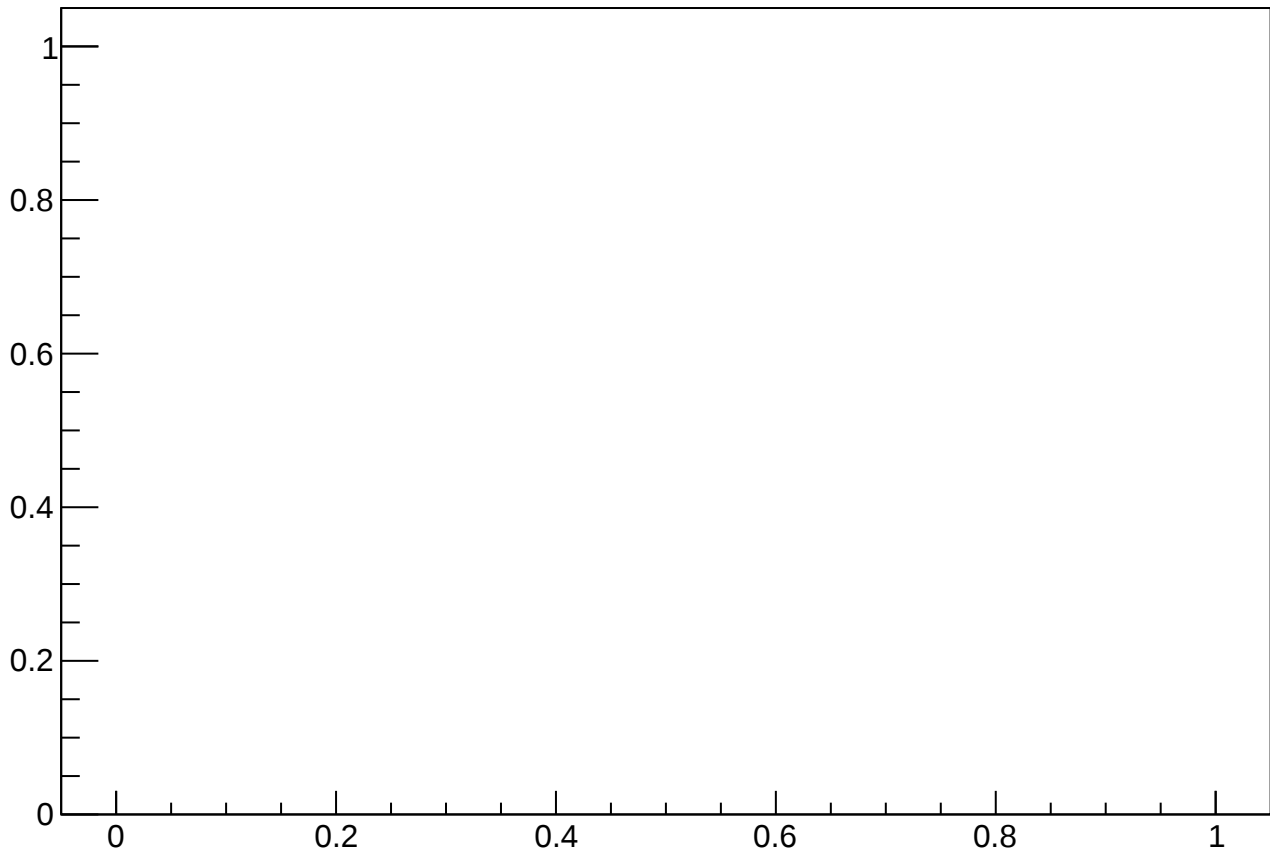
Right: 202.062 $\pm$ 0.040 χ^2 /NDF: 1644084.4/35

In: 213.023 $\pm$ 0.032 χ^2 /NDF: 1744979.5/39

Out: 217.871 $\pm$ 0.032 χ^2 /NDF: 1973409.4/42

All: 215.451 $\pm$ 0.022 χ^2 /NDF: 3730080.3/82

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

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

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

In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

All: 0.000 $\pm$ 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

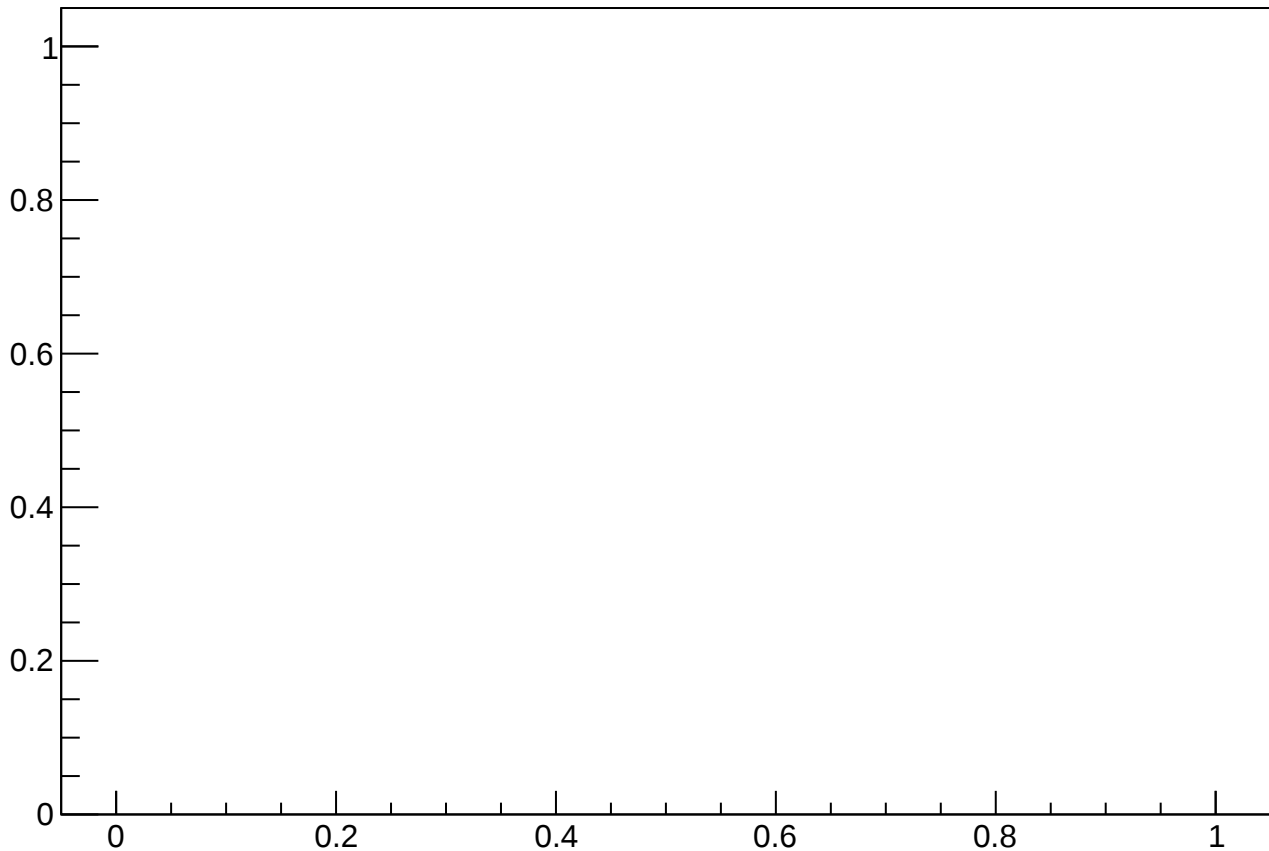
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

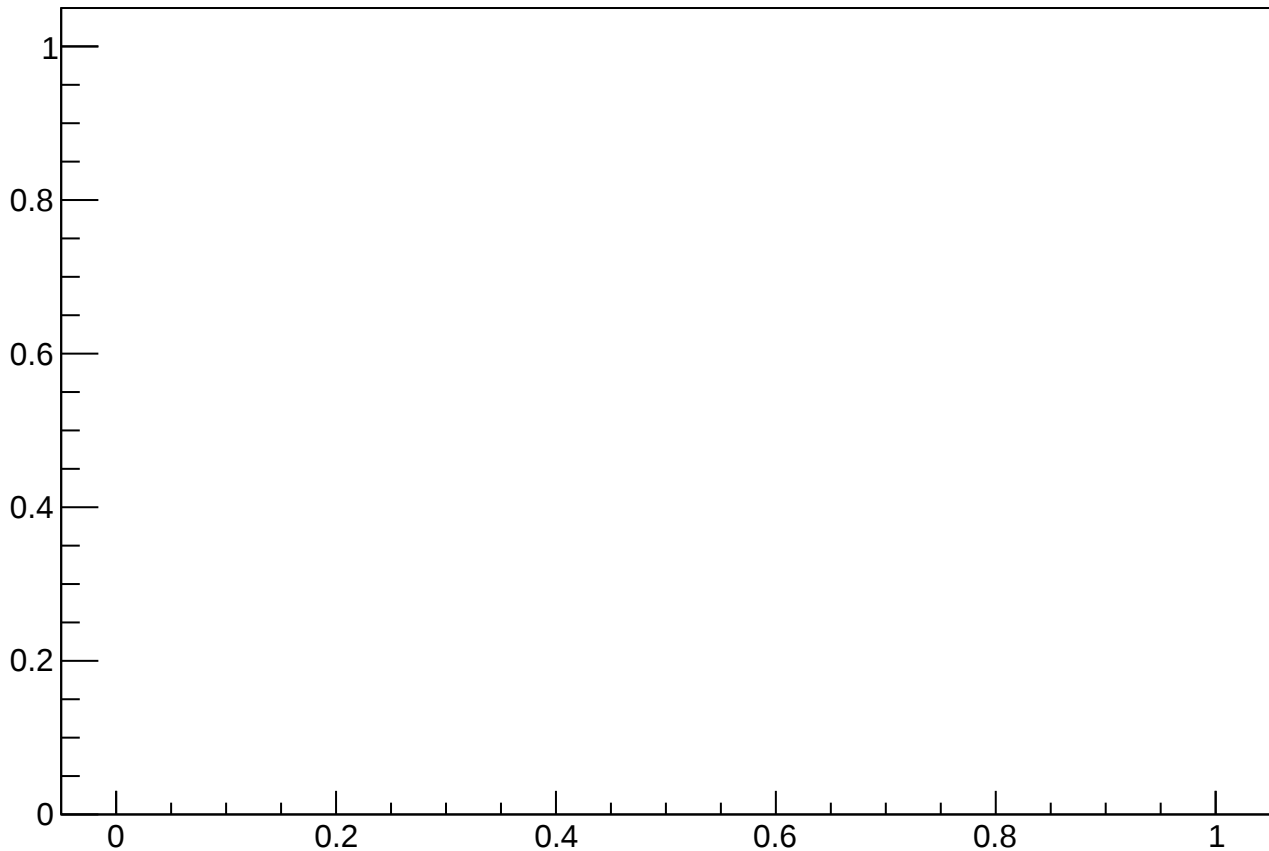
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

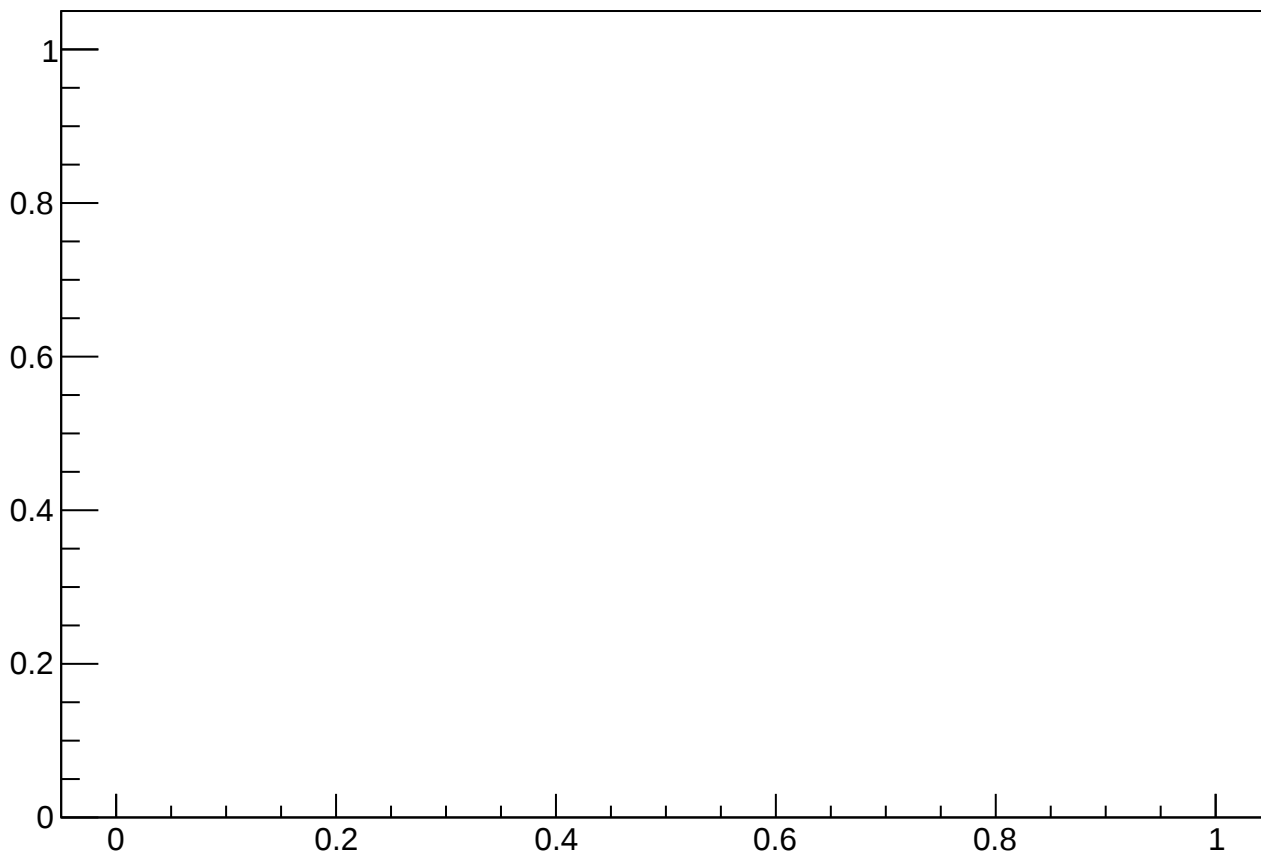
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

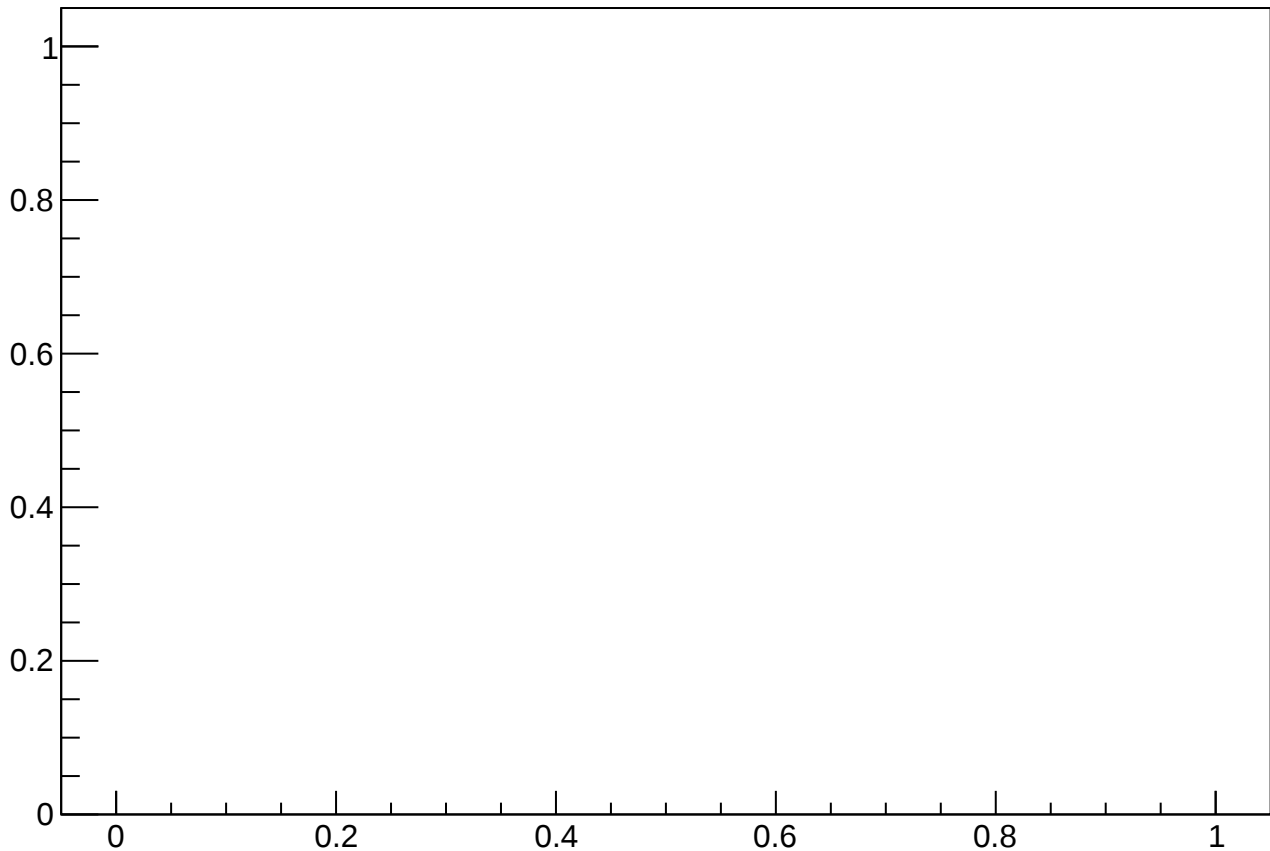
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

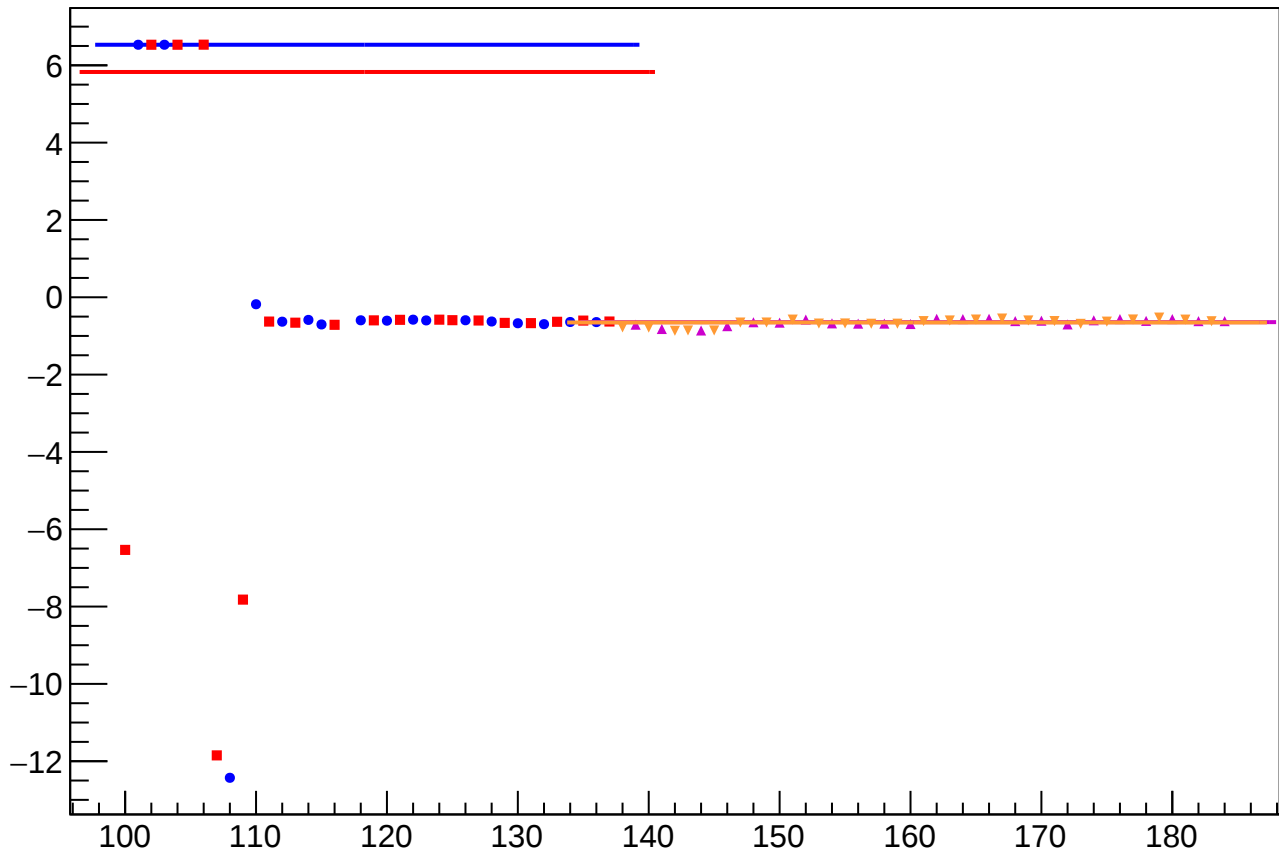
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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 $\pm$ 0.000 χ^2 /NDF: 127601781164.3/16

Left Out: -0.652 $\pm$ 0.000 χ^2 /NDF: 171218052.1/23

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755961890470183.5/18

Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

Left: -0.647 $\pm$ 0.000 χ^2 /NDF: 295571191.3/46

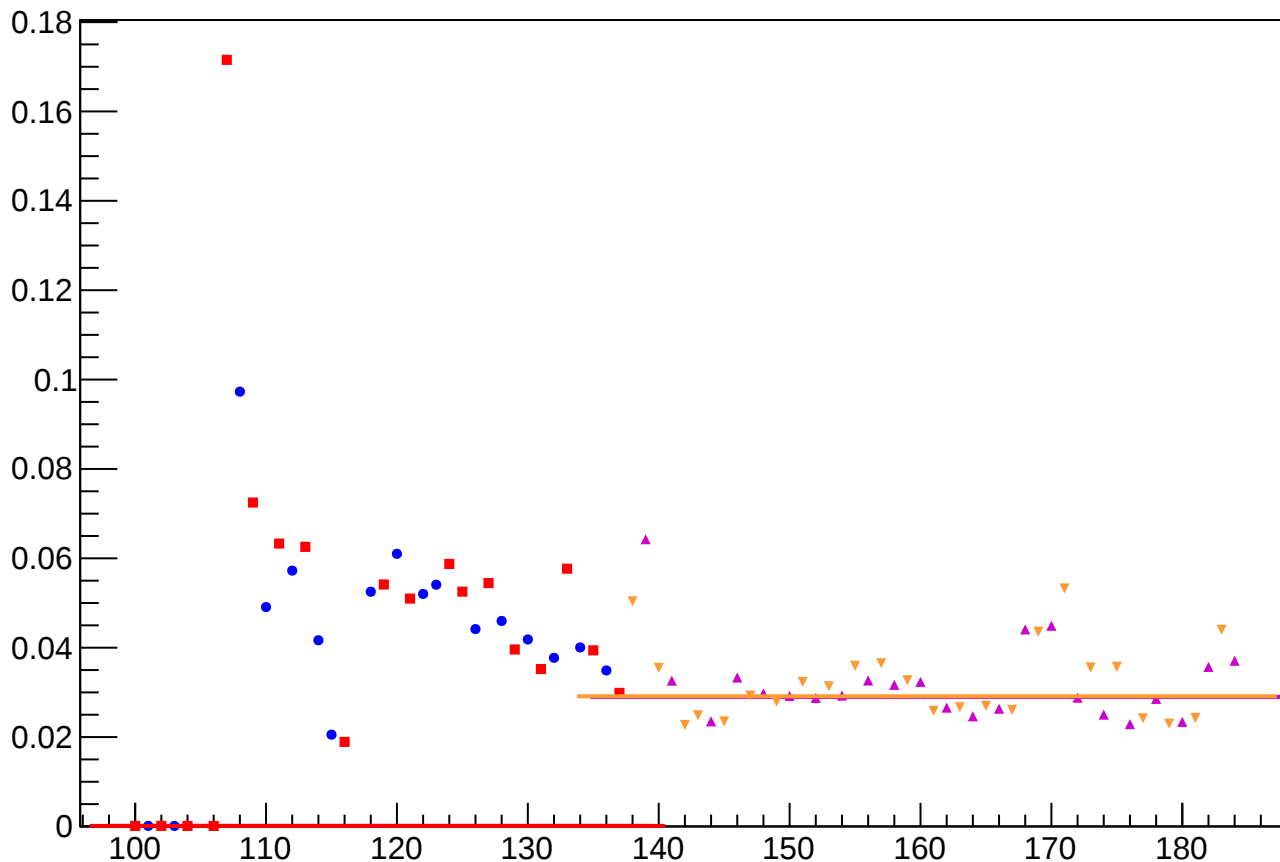
Right: 6.155 $\pm$ 0.000 χ^2 /NDF: 776093455060698.6/46

In: 6.530 $\pm$ 0.000 χ^2 /NDF: 961720392446.2/39

Out: 5.826 $\pm$ 0.000 χ^2 /NDF: 756660057429387.8/46

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77761273382656.2/92

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 :1422542.7/23

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 : 2629428.5/46

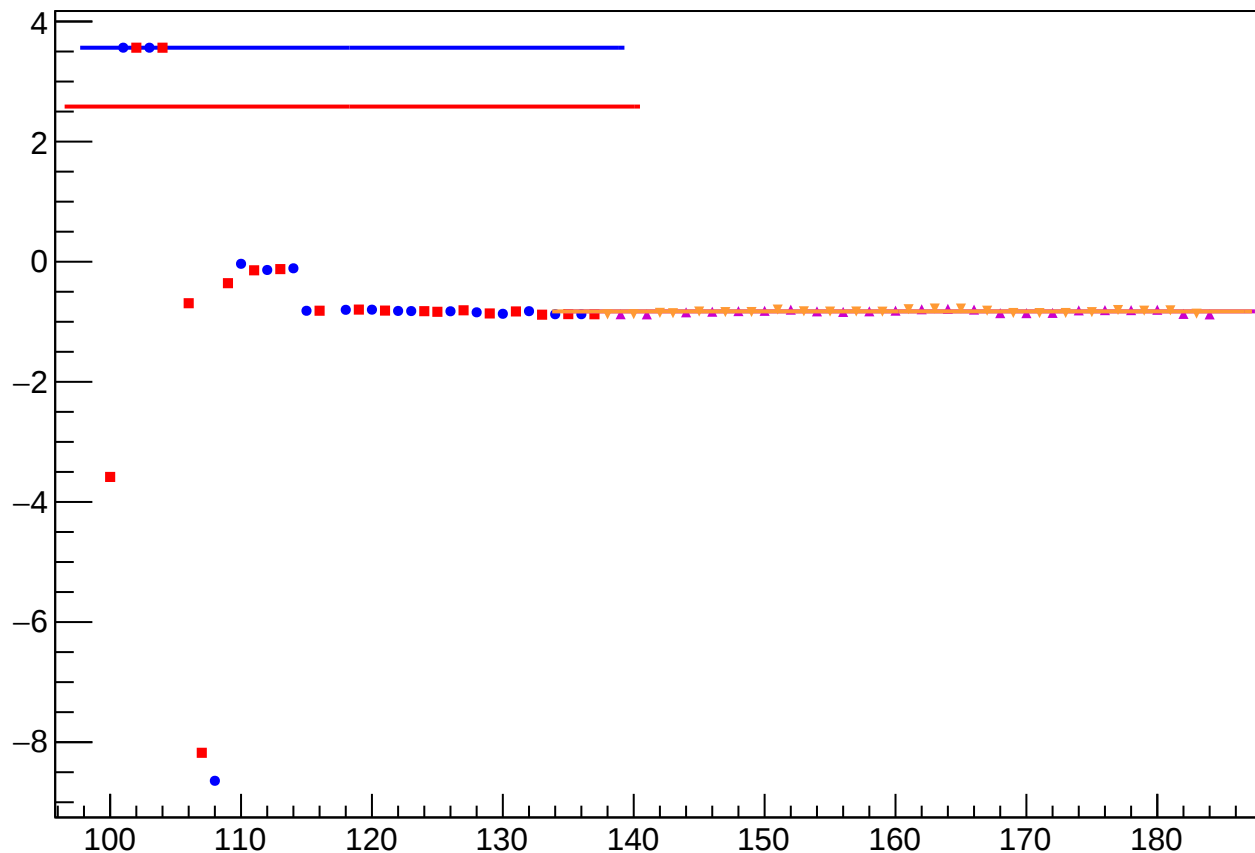
Right: 0.000+/-0.000 χ^2/NDF : 18171979.8/35

In: 0.000+/-0.000 χ^2/NDF :37026014.3/39

Out: 0.000+/-0.000 χ^2/NDF :38727042.2/42

All: 0.000+/-0.000 χ^2/NDF : 75753520.4/82

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 : 167118859.5/23

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 : 341259305.7/46

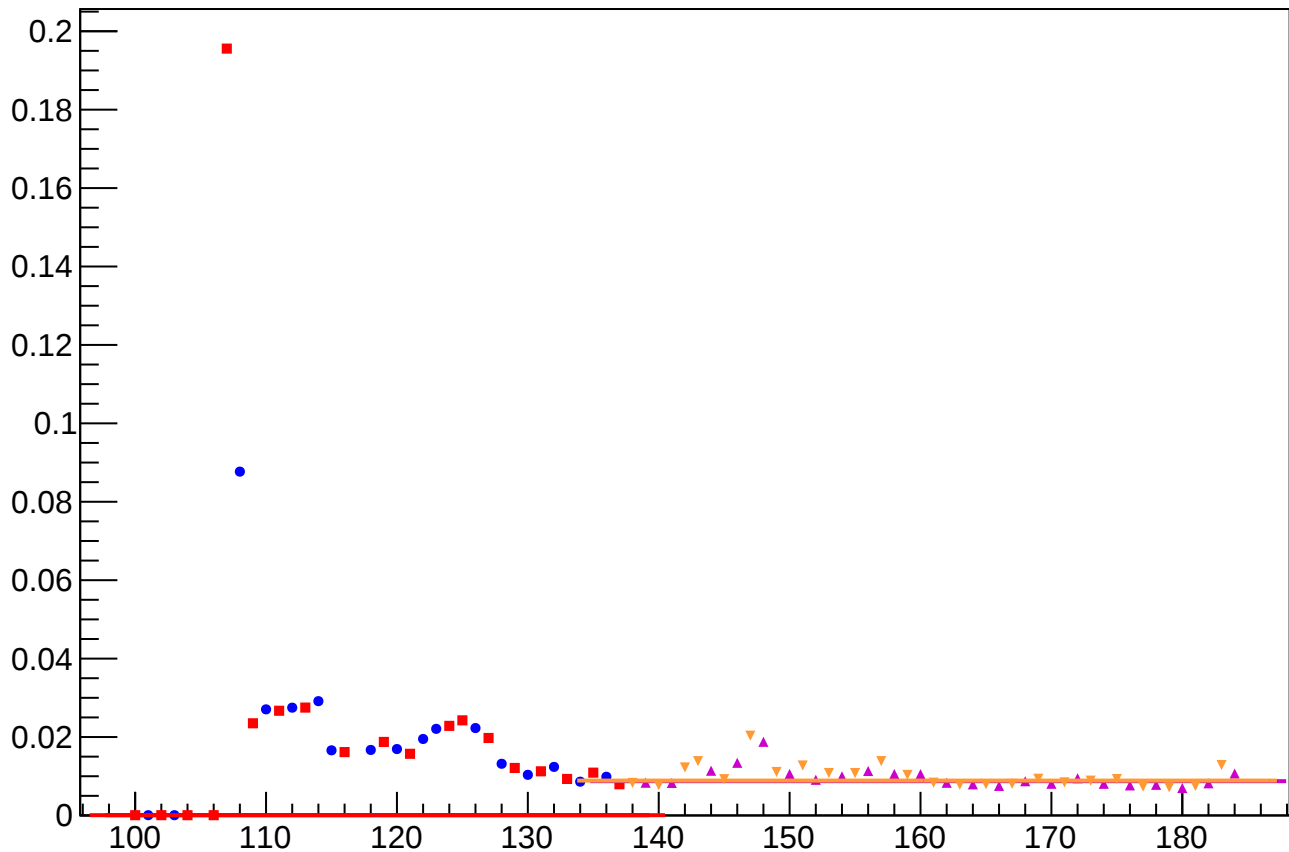
Right: 3.040+/-0.000 χ^2/NDF : 1382252614228541.7/100

In: 3.560+/-0.000 χ^2/NDF : 4160703297842.5/39

Out: 2.581+/-0.000 χ^2/NDF : 1255703876605190.8/100

All: 3.038+/-0.000 χ^2/NDF : 13879407529694.0/100

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 :1434113.9/23

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 : 2480410.8/46

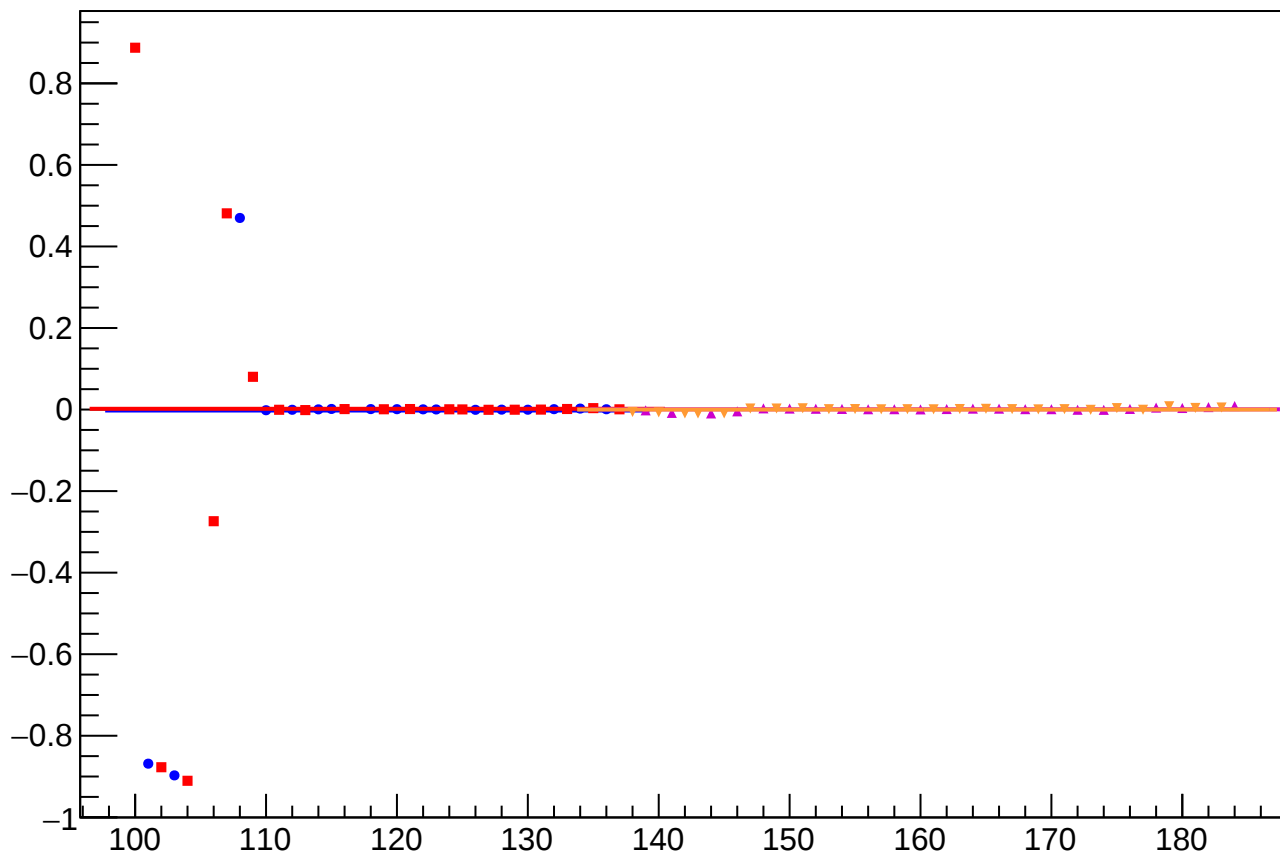
Right: 0.000+/-0.000 χ^2/NDF : 19505268.5/35

In: 0.000+/-0.000 χ^2/NDF :39483302.7/39

Out: 0.000+/-0.000 χ^2/NDF :40753270.9/42

All: 0.000+/-0.000 χ^2/NDF : 80237439.3/82

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002 $\pm$ 0.000 χ^2 /NDF: 9794882359.1/16

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 144578316.7/23

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3041319636.1/18

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF: 101468517.6/22

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 247132468.4/46

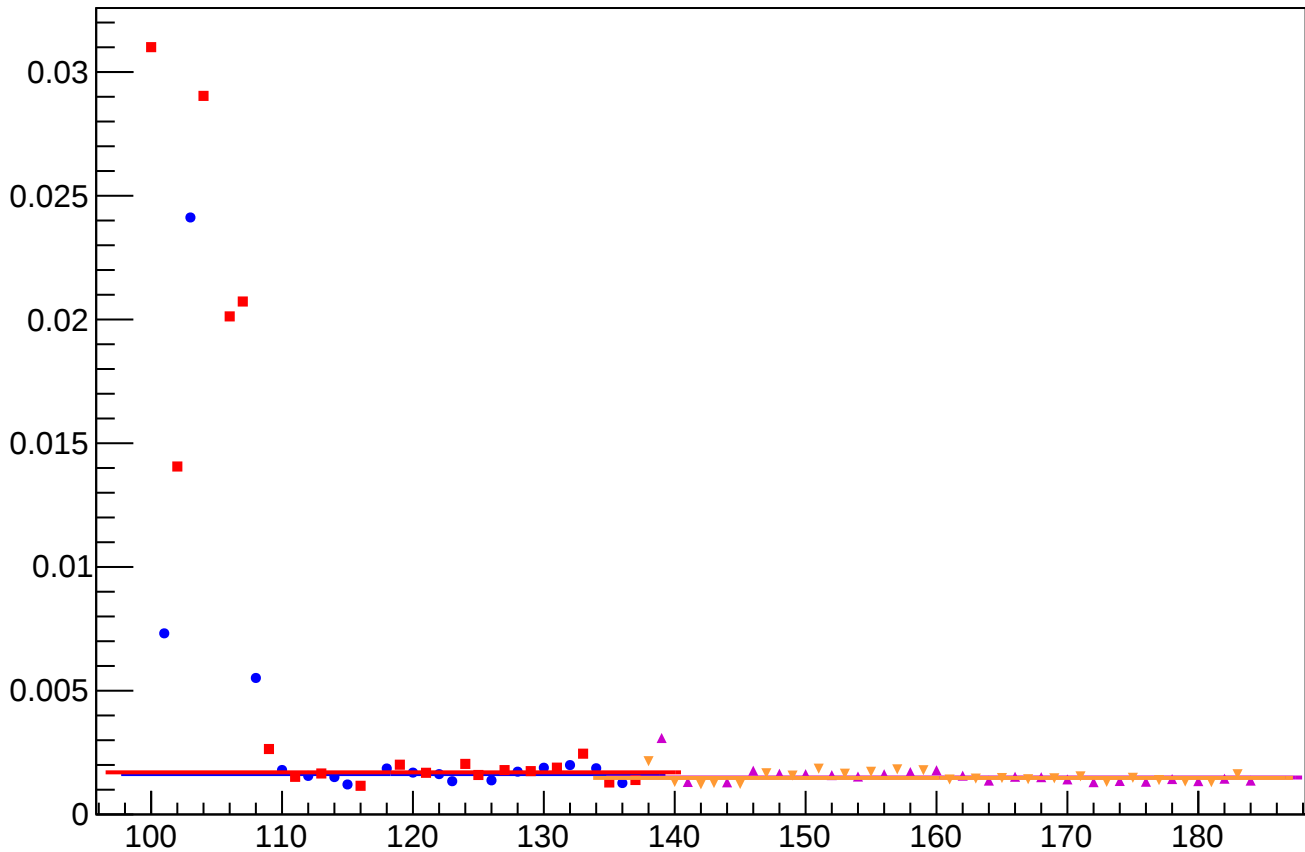
Right: -0.000 $\pm$ 0.000 χ^2 /NDF: 12850347199.6/35

In: -0.000 $\pm$ 0.000 χ^2 /NDF: 9907798796.5/39

Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 3190130646.8/42

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 13098517148.9/80

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 1921590.0/16

Left Out: 0.001+/-0.000 χ^2/NDF : 517886.9/23

Right Out: 0.002+/-0.000 χ^2/NDF : 3023068.5/18

Left In: 0.001+/-0.000 χ^2/NDF : 659543.3/22

Left: 0.001+/-0.000 χ^2/NDF : 1179126.6/46

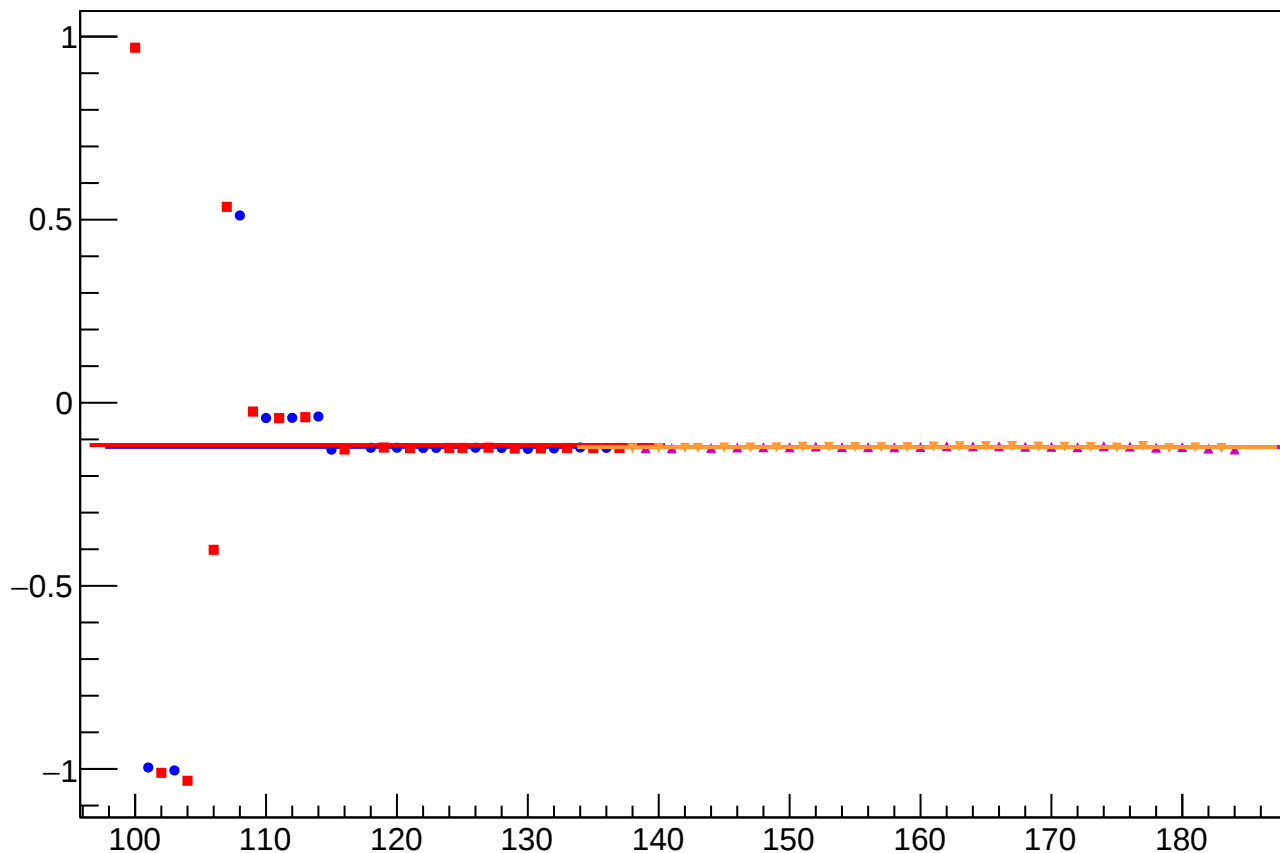
Right: 0.002+/-0.000 χ^2/NDF : 4952487.9/35

In: 0.002+/-0.000 χ^2/NDF : 2632122.3/39

Out: 0.002+/-0.000 χ^2/NDF : 3666916.0/42

All: 0.002+/-0.000 χ^2/NDF : 6299130.1/82

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 : 57586352.3/23

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 : 110896743.3/46

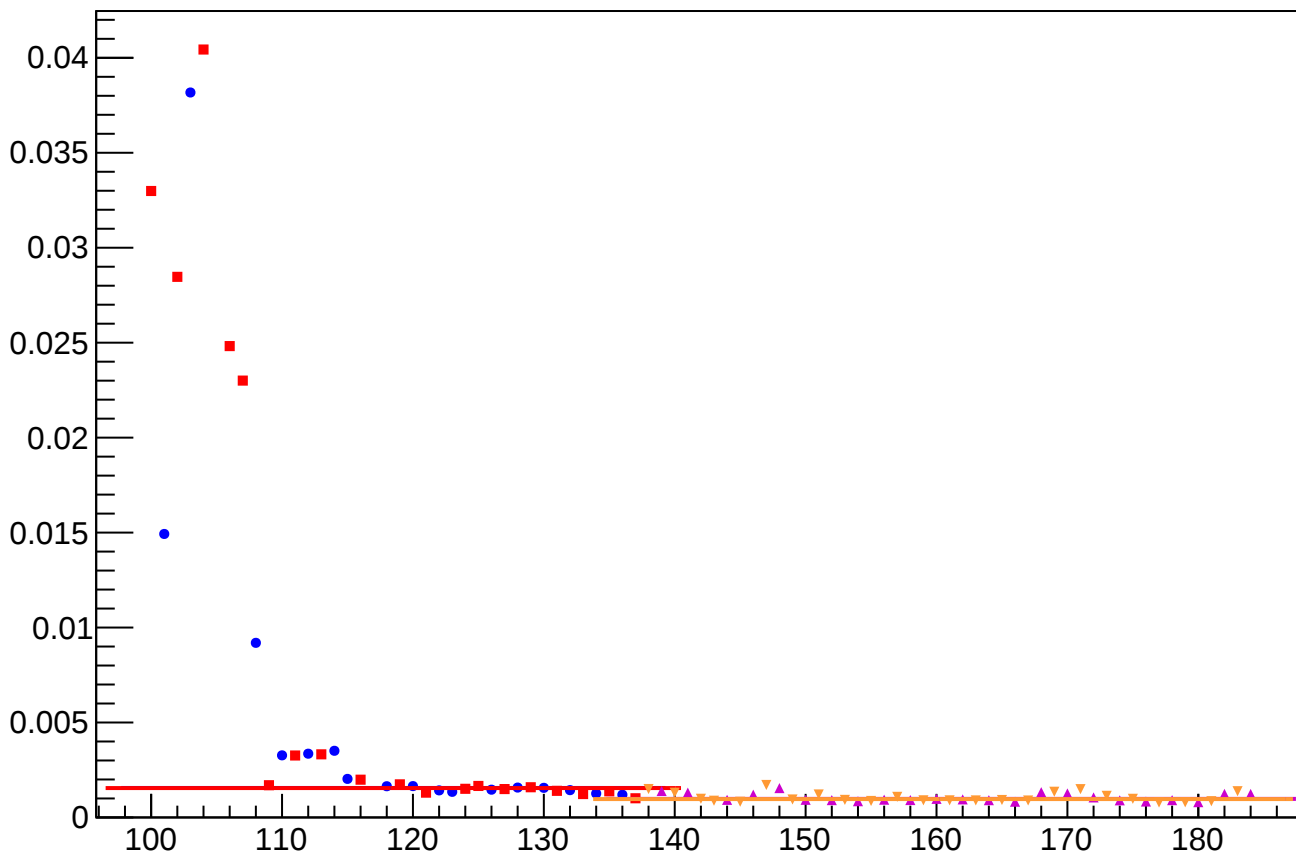
Right: -0.118+/-0.000 χ^2/NDF : 6411583198.4/35

In: -0.121+/-0.000 χ^2/NDF : 3986347616.1/39

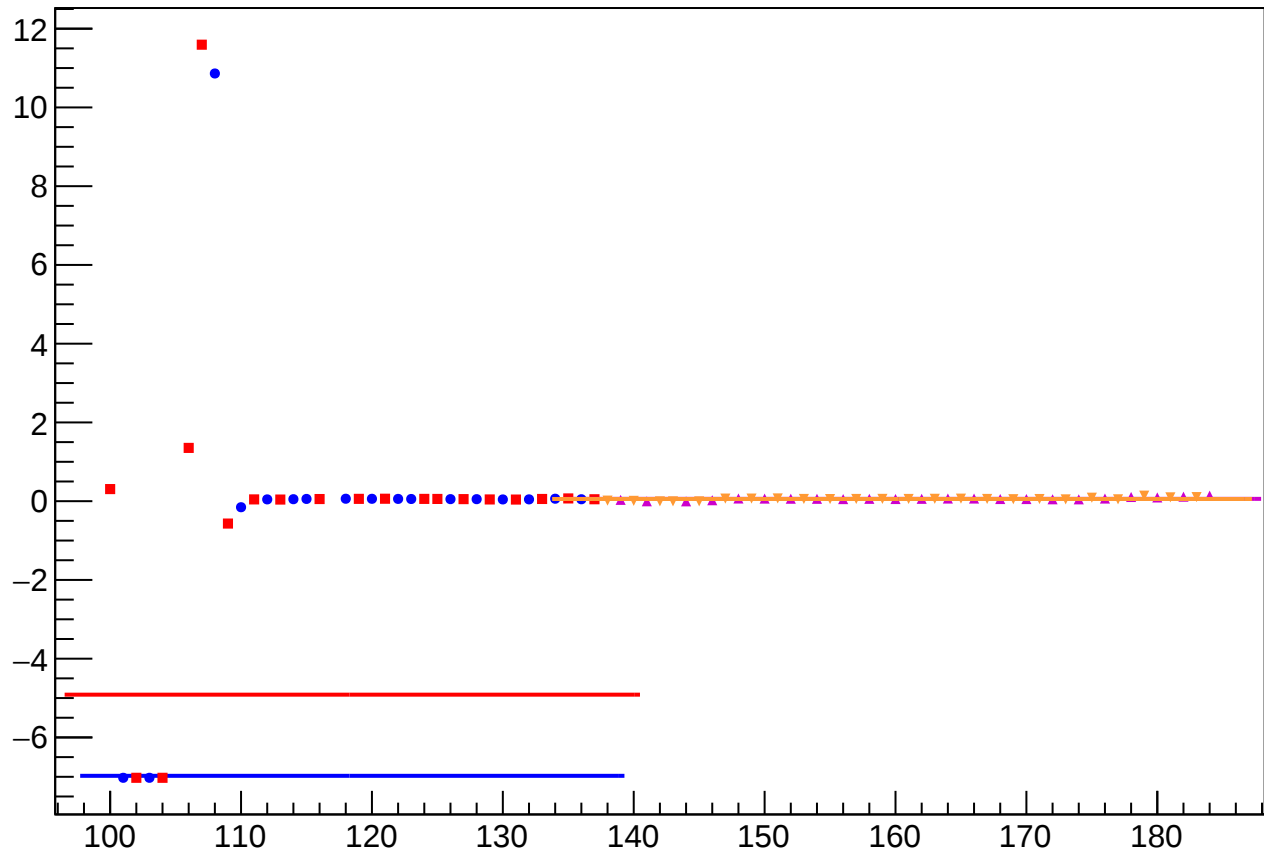
Out: -0.121+/-0.000 χ^2/NDF : 2568564814.0/42

All: -0.121+/-0.000 χ^2/NDF : 6556045377.4/8

yield_cav4cY_rms vs Slug, Sign Corrected

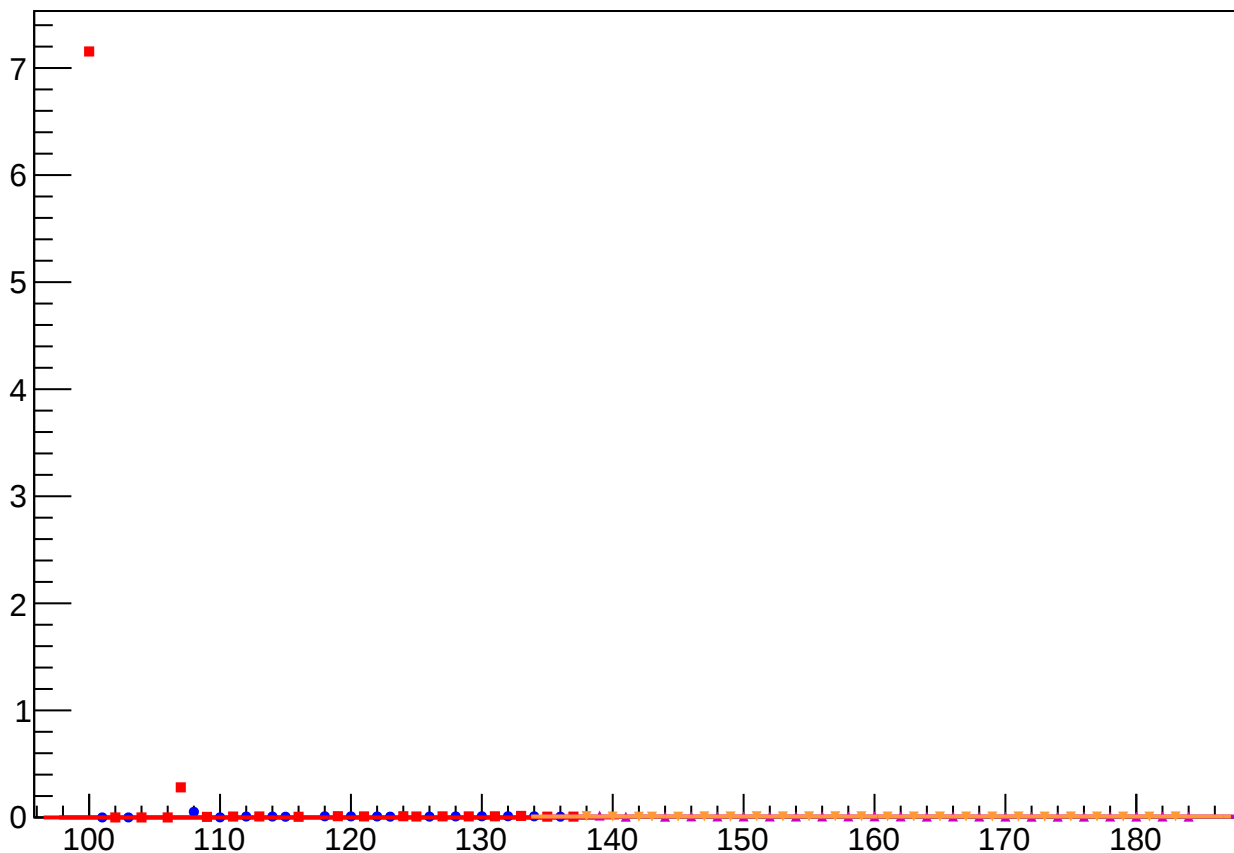


yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8762449111165.9/16
 Left Out: 0.056+/-0.000 χ^2/NDF : 235647128.9/23
 Right Out: -4.914+/-0.000 χ^2/NDF : 365348533697497.2/18
 Left In: 0.059+/-0.000 χ^2/NDF : 178713649.9/22
 Left: 0.057+/-0.000 χ^2/NDF : 415369748.6/46
 Right: -5.900+/-0.000 χ^2/NDF : 430303190760897.4
 In: -6.925+/-0.000 χ^2/NDF : 17604978041532.6/39
 Out: -4.880+/-0.000 χ^2/NDF : 370042298086872.2/18
 All: -5.858+/-0.000 χ^2/NDF : 4433900024788

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8227727.7/16

Left Out: 0.009+/-0.000 χ^2/NDF : 487607.7/23

Right Out: 0.000+/-0.000 χ^2/NDF : 8749291.1/18

Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

Left: 0.009+/-0.000 χ^2/NDF : 1126570.2/46

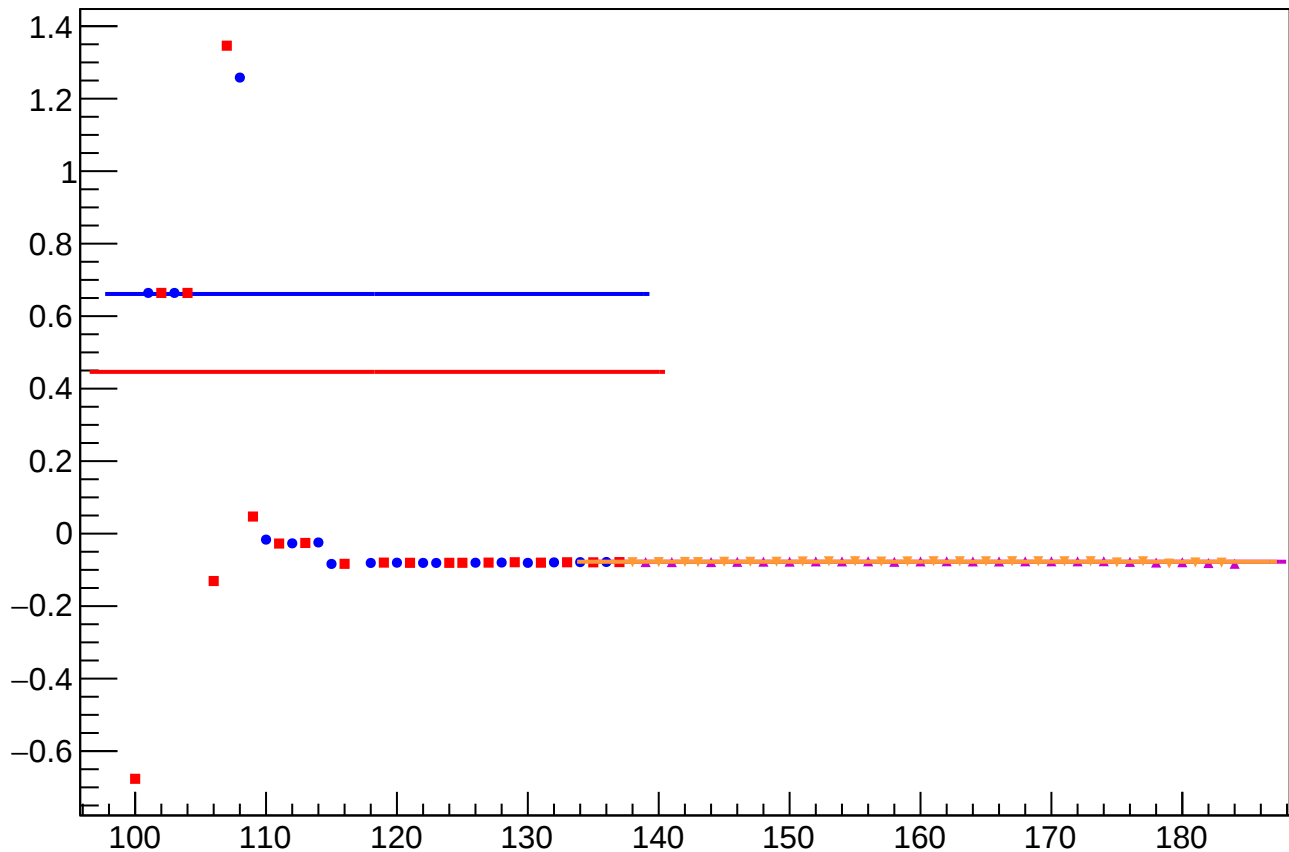
Right: 0.000+/-0.000 χ^2/NDF : 16977327.0/35

In: 0.000+/-0.000 χ^2/NDF : 35865360.2/39

Out: 0.000+/-0.000 χ^2/NDF : 37224984.5/42

All: 0.000+/-0.000 χ^2/NDF : 73091208.7/82

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 : 267356200.4/46

Left Out: -0.078+/-0.000

χ^2/NDF : 156098890.2/23

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 : 420271823915507.1/4

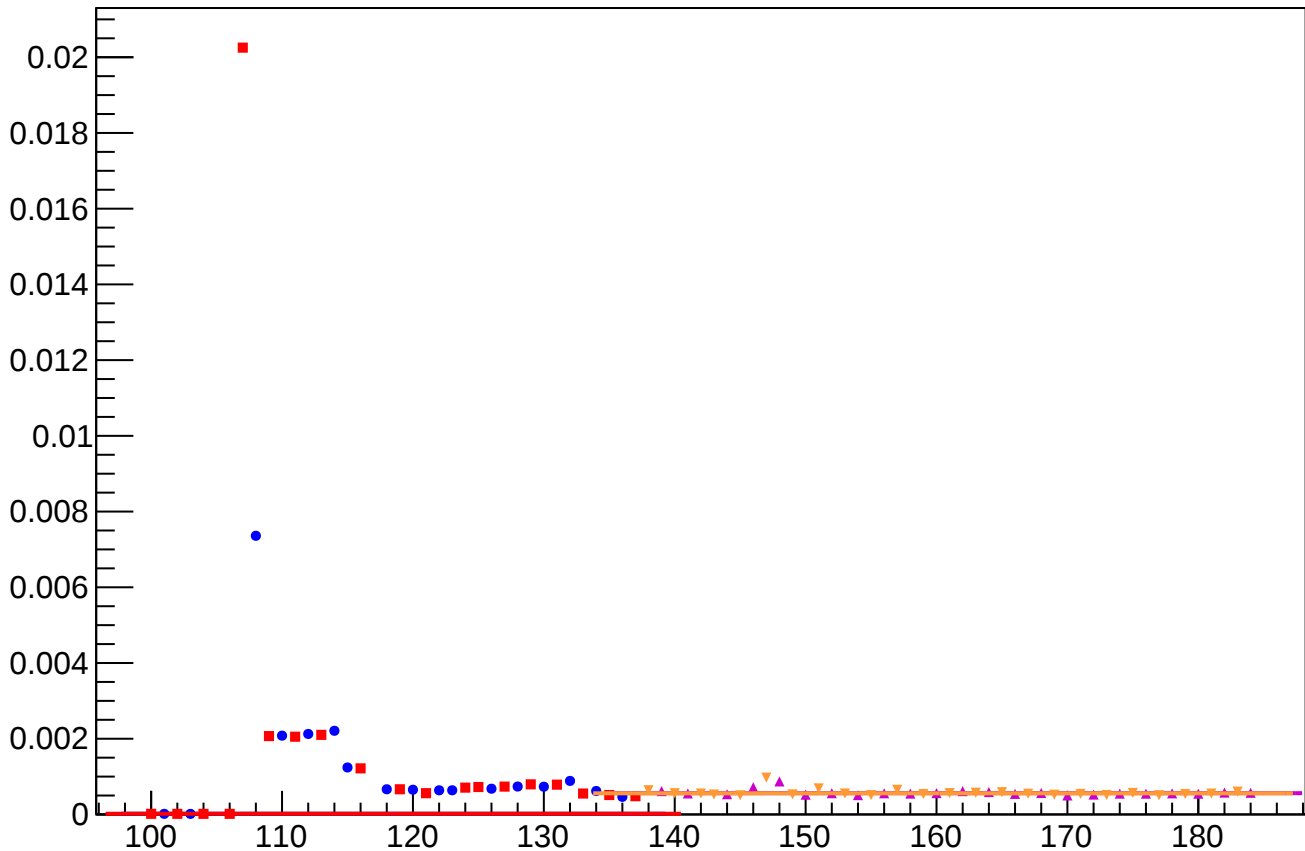
Left In: -0.077+/-0.000

χ^2/NDF : 111221084.5/22

All: 0.537+/-0.000

χ^2/NDF : 51549593291107

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000

χ^2/NDF : 9835626.2/16

Left Out: 0.001+/-0.000

χ^2/NDF : 464124.6/23

Right Out: 0.000+/-0.000

χ^2/NDF : 9440944.6/18

Left In: 0.001+/-0.000

χ^2/NDF : 355587.5/22

Left: 0.001+/-0.000

χ^2/NDF : 820356.1/46

Right: 0.000+/-0.000

χ^2/NDF : 19276577.2/35

In: 0.000+/-0.000

χ^2/NDF : 40814670.1/39

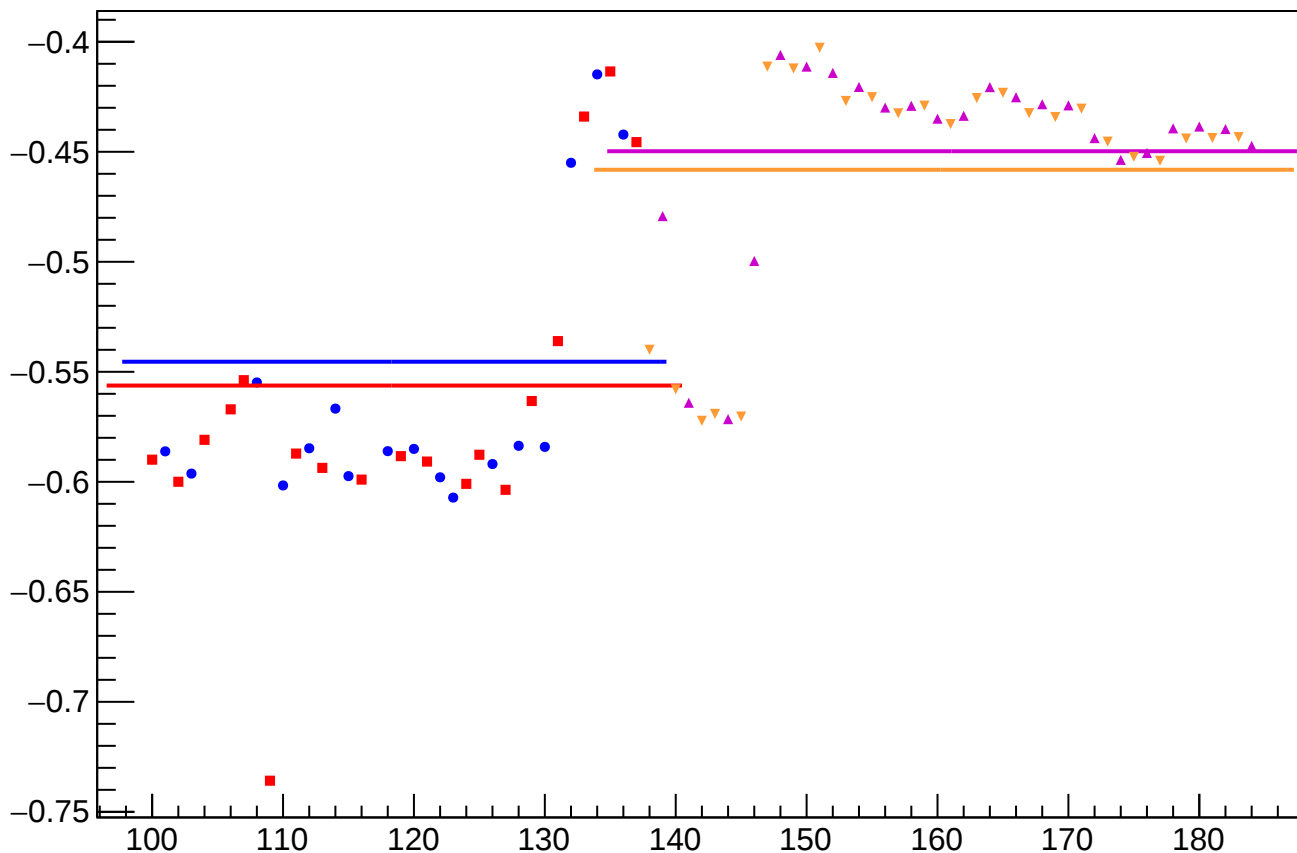
Out: 0.000+/-0.000

χ^2/NDF : 41520943.5/42

All: 0.000+/-0.000

χ^2/NDF : 82336609.7/82

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.545+/-0.000 χ^2/NDF : 46353554.3/16

Left Out: -0.458+/-0.000 χ^2/NDF : 108264257.0/23

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: -0.454+/-0.000 χ^2/NDF : 185770285.6/46

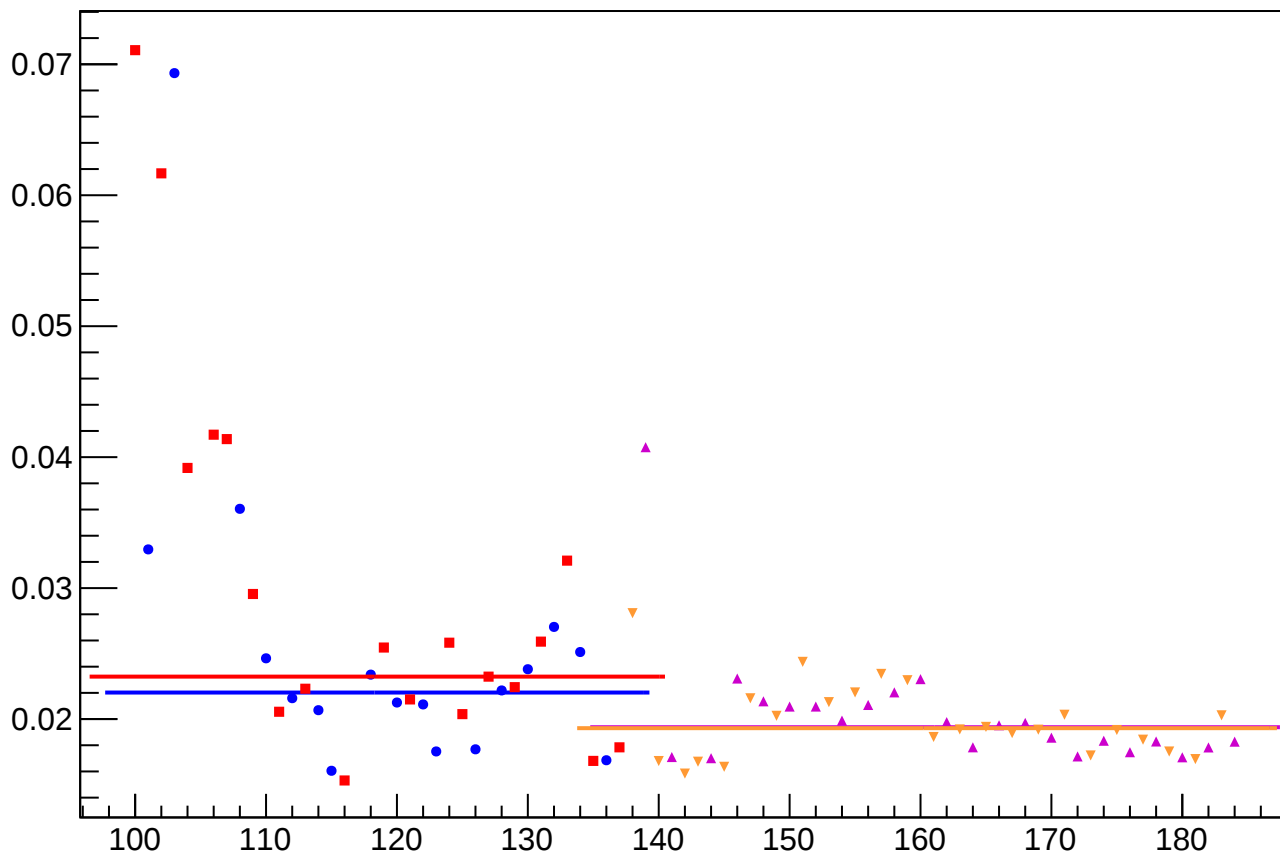
Right: -0.551+/-0.000 χ^2/NDF : 110666171.8/35

In: -0.471+/-0.000 χ^2/NDF : 196875229.2/39

Out: -0.478+/-0.000 χ^2/NDF : 247564996.9/42

All: -0.474+/-0.000 χ^2/NDF : 445730759.7/82

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 : 477722.3/23

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 : 1134081.3/46

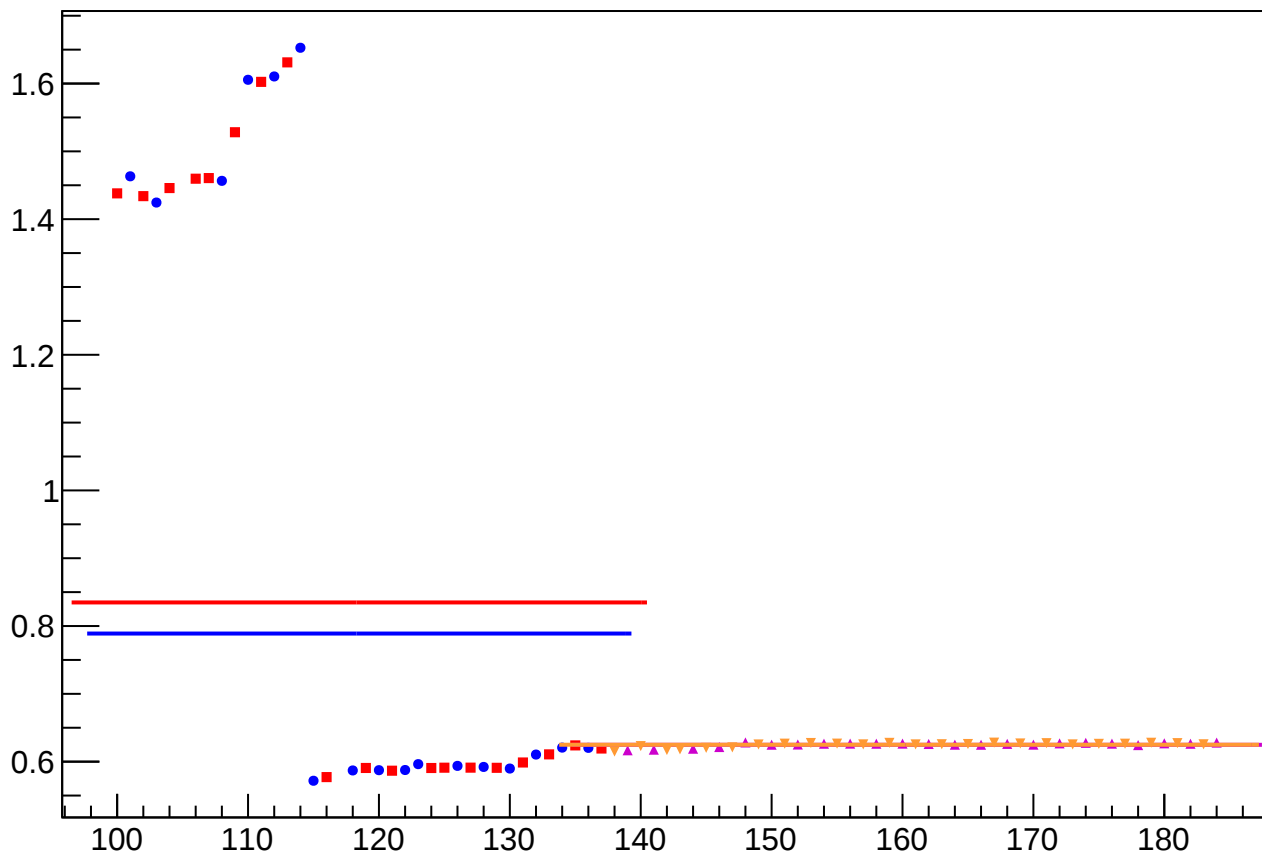
Right: 0.023+/-0.000 χ^2/NDF : 2128066.2/35

In: 0.020+/-0.000 χ^2/NDF : 1728353.9/39

Out: 0.020+/-0.000 χ^2/NDF : 1876137.4/42

All: 0.020+/-0.000 χ^2/NDF : 3605459.6/82

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.789 $\pm$ 0.000 χ^2 /NDF: 3572292316.9/16

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1384428.0/23

Right Out: 0.835 $\pm$ 0.000 χ^2 /NDF: 4145929509.1/18

Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1135039.4/22

Left: 0.625 $\pm$ 0.000 χ^2 /NDF: 2520389.8/46

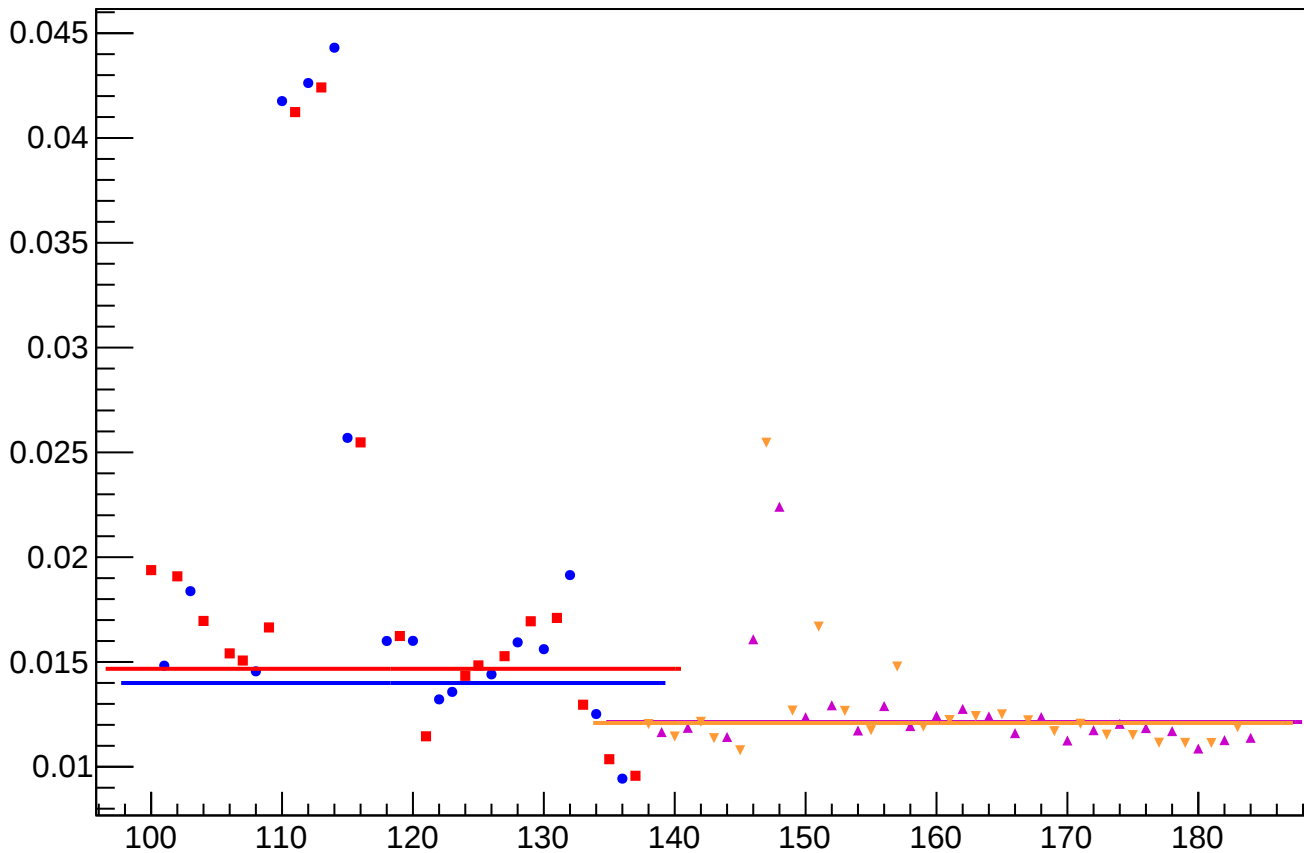
Right: 0.812 $\pm$ 0.000 χ^2 /NDF: 7747869439.7/35

In: 0.658 $\pm$ 0.000 χ^2 /NDF:4189094448.8/39

Out: 0.665 $\pm$ 0.000 χ^2 /NDF:5138827641.2/42

All: 0.661 $\pm$ 0.000 χ^2 /NDF: 9331600625.2/82

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1393658.1/16

Left Out: 0.012+/-0.000 χ^2/NDF : 654822.4/23

Right Out: 0.015+/-0.000 χ^2/NDF : 1257158.3/18

Left In: 0.012+/-0.000 χ^2/NDF : 488249.4/22

Left: 0.012+/-0.000 χ^2/NDF : 1143317.0/46

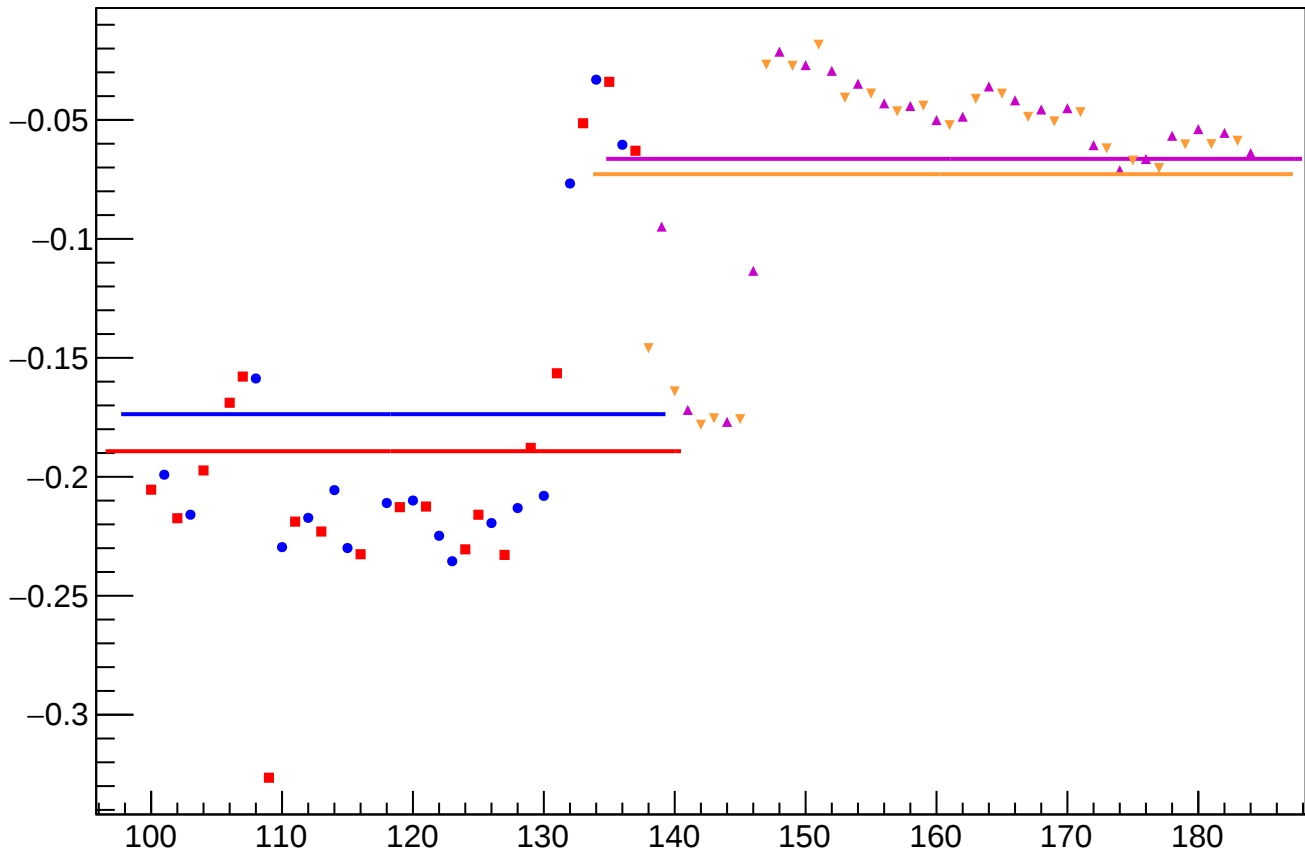
Right: 0.014+/-0.000 χ^2/NDF : 2663748.0/35

In: 0.013+/-0.000 χ^2/NDF : 2040316.4/39

Out: 0.013+/-0.000 χ^2/NDF : 2212805.3/42

All: 0.013+/-0.000 χ^2/NDF : 4253879.6/82

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.174 ± 0.000 $\chi^2/\text{NDF}: 66840344.3/16$

Left Out: -0.073 ± 0.000 $\chi^2/\text{NDF}: 102349820.6/23$

Right Out: -0.189 ± 0.000 $\chi^2/\text{NDF}: 81440695.3/18$

Left In: -0.066 ± 0.000 $\chi^2/\text{NDF}: 76283954.4/22$

Left: -0.070 ± 0.000 $\chi^2/\text{NDF}: 179433768.3/46$

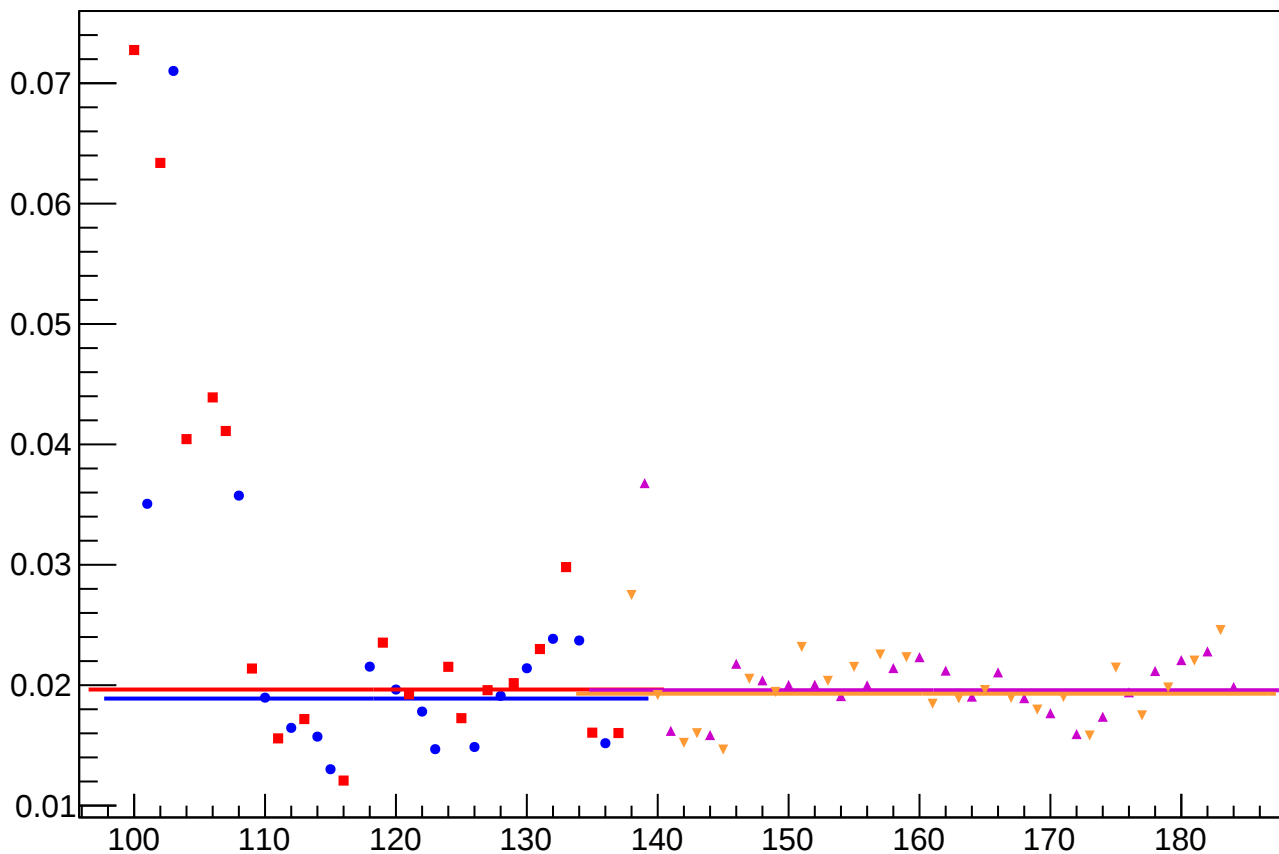
Right: -0.181 ± 0.000 $\chi^2/\text{NDF}: 149928628.1/35$

In: -0.095 ± 0.000 $\chi^2/\text{NDF}: 259462568.3/39$

Out: -0.102 ± 0.000 $\chi^2/\text{NDF}: 319775710.1/42$

All: -0.099 ± 0.000 $\chi^2/\text{NDF}: 580430593.3/82$

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 : 591260.4/23

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 : 1245784.3/46

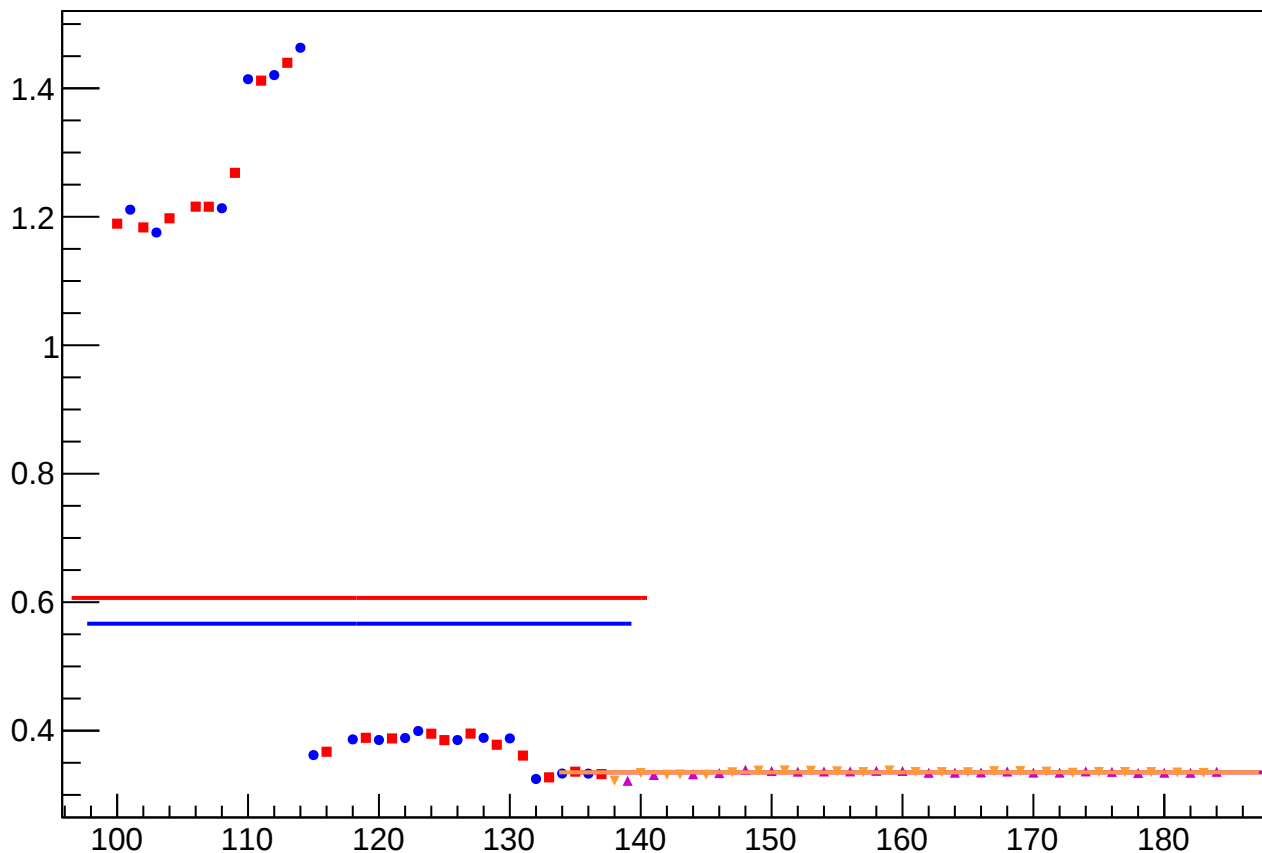
Right: 0.019+/-0.000 χ^2/NDF : 2671772.5/35

In: 0.019+/-0.000 χ^2/NDF : 1873233.4/39

Out: 0.019+/-0.000 χ^2/NDF : 2045530.1/42

All: 0.019+/-0.000 χ^2/NDF : 3918773.5/82

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567+/-0.000 χ^2/NDF : 5026553135.6/16

Left Out: 0.335+/-0.000 χ^2/NDF :1141044.2/23

Right Out: 0.607+/-0.000 χ^2/NDF : 5520995734.6/18

Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

Left: 0.335+/-0.000 χ^2/NDF : 2340541.8/46

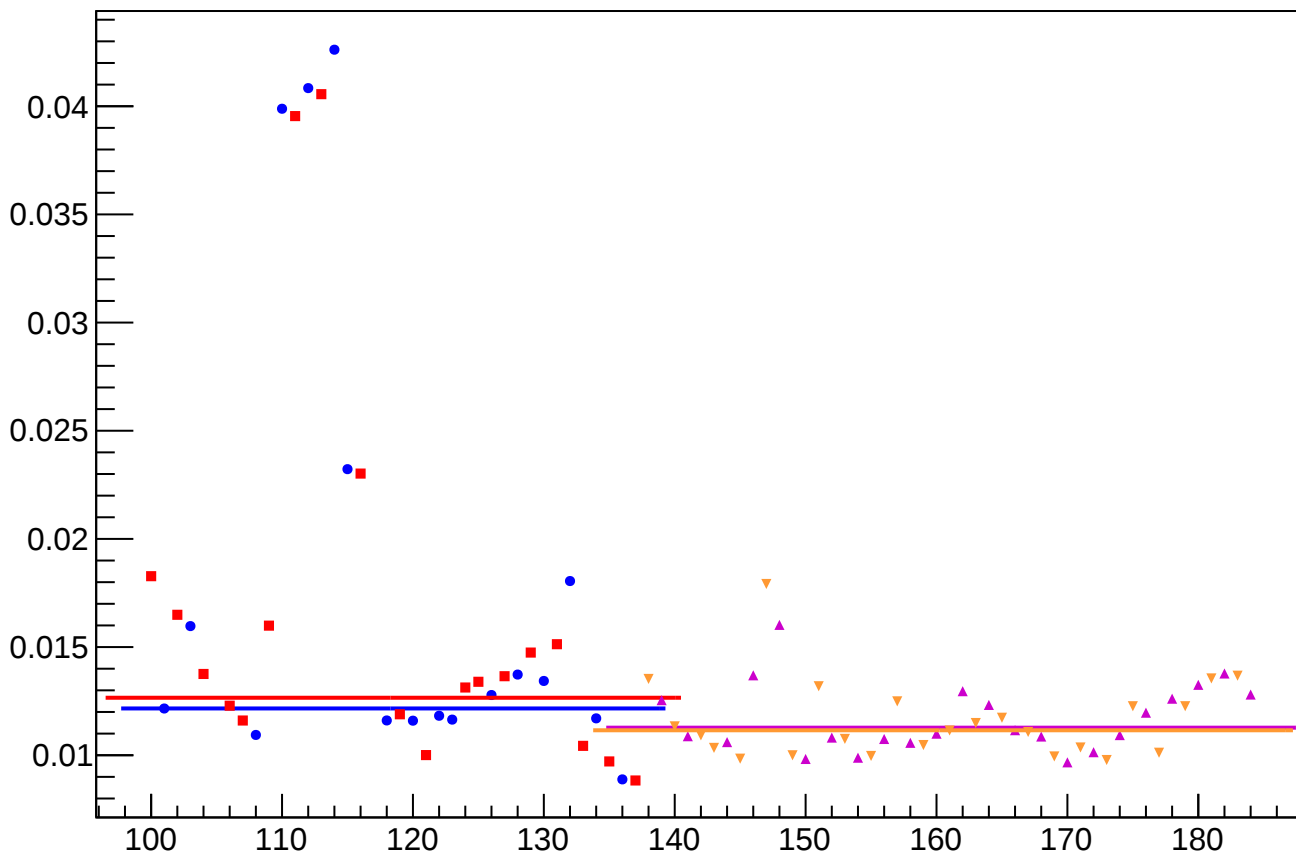
Right: 0.586+/-0.000 χ^2/NDF : 10577499618.0/35

In: 0.387+/-0.000 χ^2/NDF :6598128540.7/39

Out: 0.392+/-0.000 χ^2/NDF :7655008519.3/42

All: 0.390+/-0.000 χ^2/NDF : 14255461592.3/80

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 : 592767.4/23

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 : 1096943.1/46

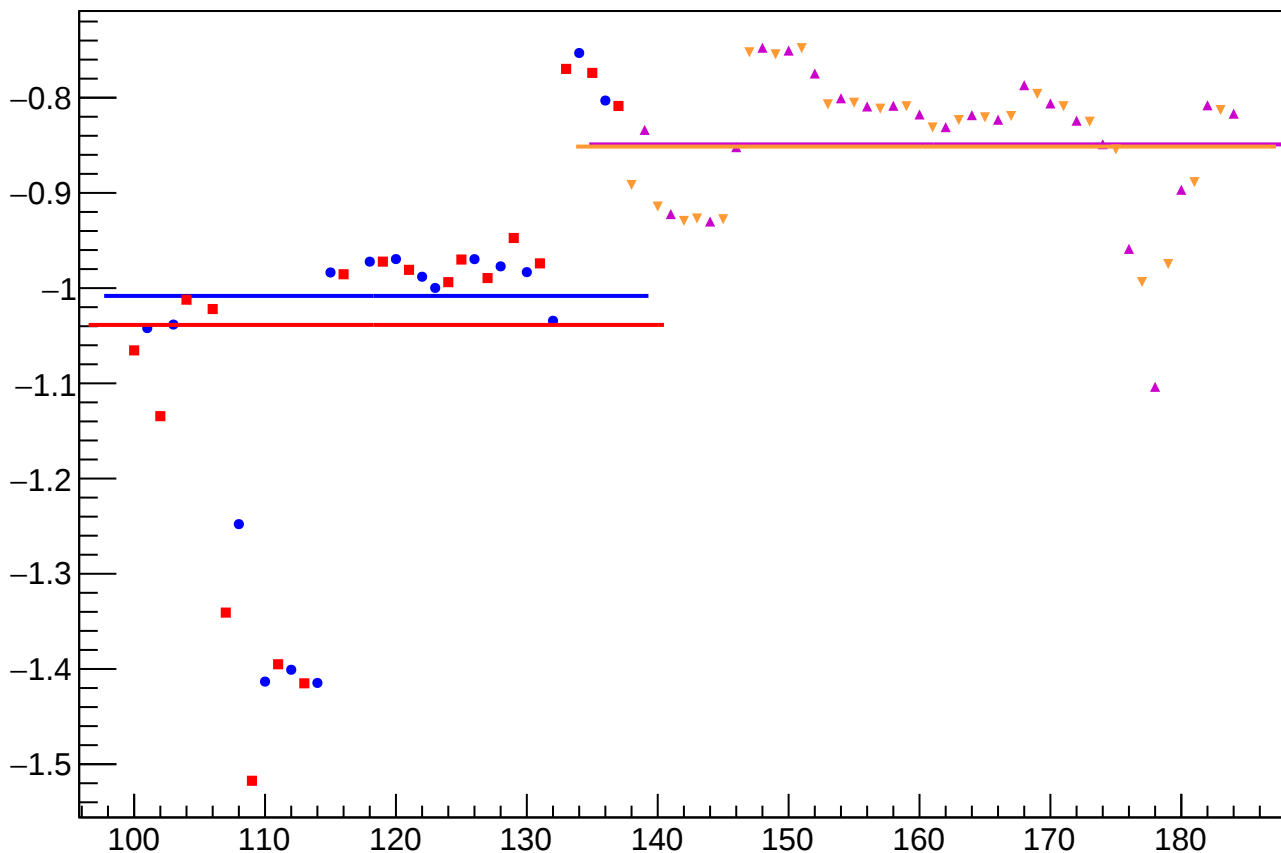
Right: 0.012+/-0.000 χ^2/NDF : 2576963.3/35

In: 0.011+/-0.000 χ^2/NDF : 1850803.3/39

Out: 0.011+/-0.000 χ^2/NDF : 1989137.3/42

All: 0.011+/-0.000 χ^2/NDF : 3839943.5/82

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.008+/-0.000 χ^2/NDF : 393095883.4/16

Left Out: -0.851+/-0.000 χ^2/NDF :185747508.1/23

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 : 442289588.0/46

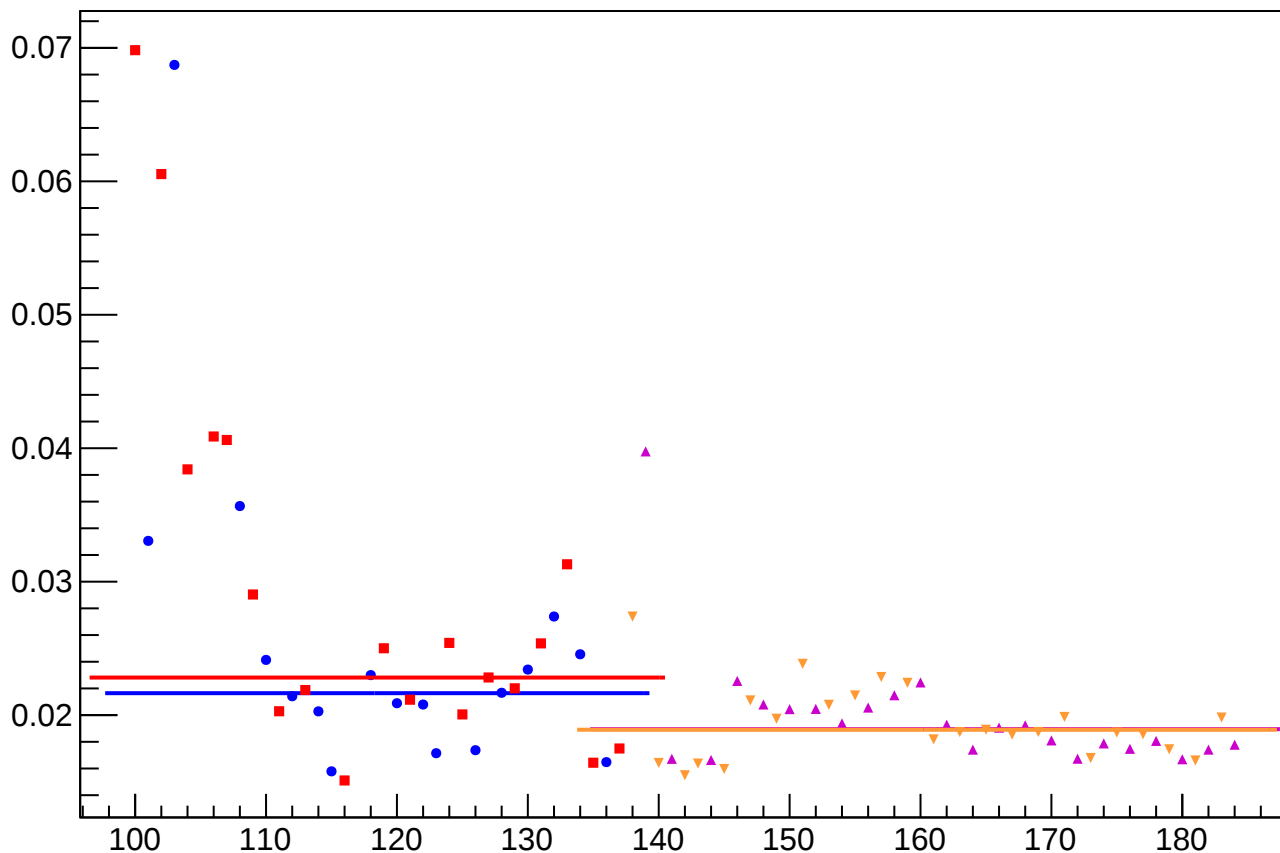
Right: -1.023+/-0.000 χ^2/NDF : 932453785.5/35

In: -0.883+/-0.000 χ^2/NDF :862697843.0/39

Out: -0.889+/-0.000 χ^2/NDF :1005967568.3/42

All: -0.886+/-0.000 χ^2/NDF : 1869407567.4/8

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 : 466202.2/23

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 : 1111328.1/46

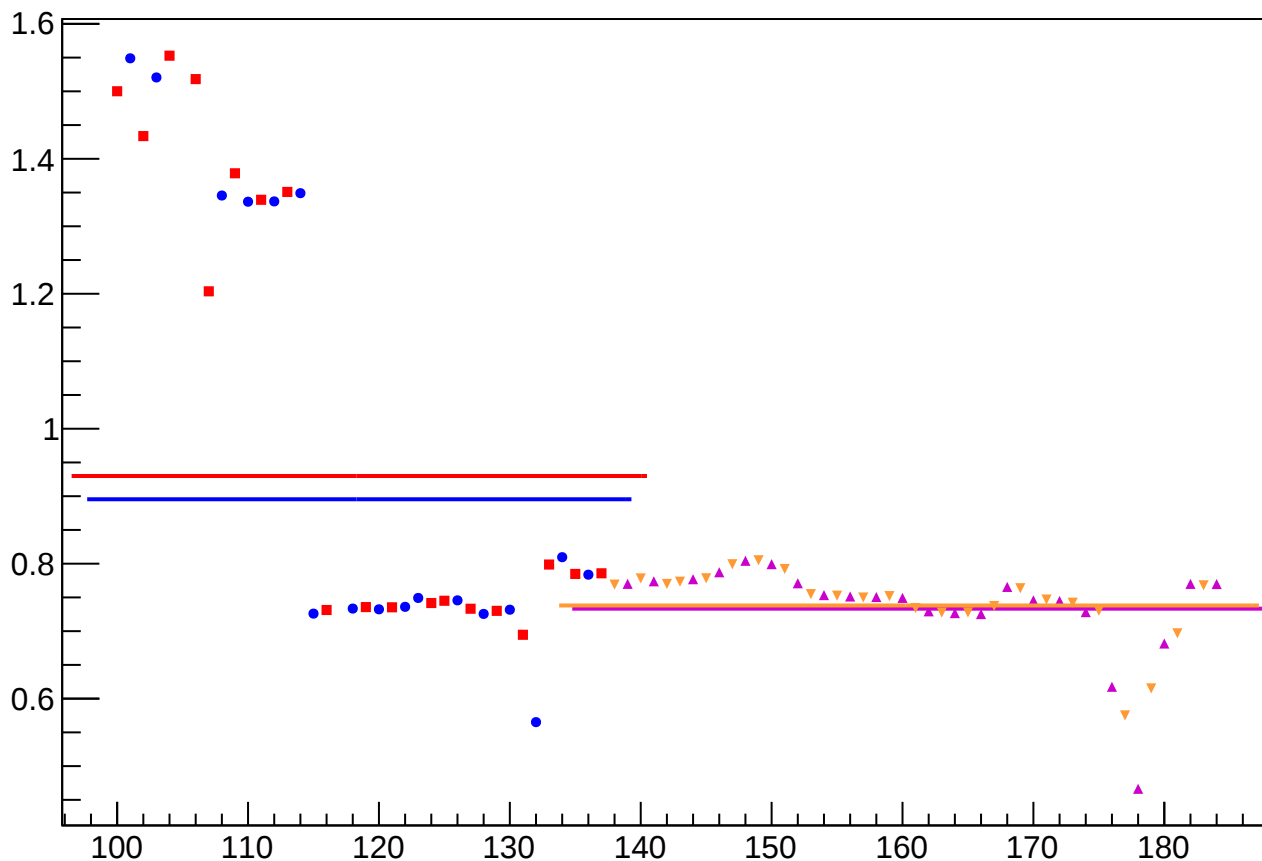
Right: 0.022+/-0.000 χ^2/NDF : 2148387.9/35

In: 0.020+/-0.000 χ^2/NDF : 1750682.1/39

Out: 0.020+/-0.000 χ^2/NDF : 1865851.4/42

All: 0.020+/-0.000 χ^2/NDF : 3617765.7/82

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.895+/-0.000 χ^2/NDF : 2392918091.7/16

Left Out: 0.738+/-0.000 χ^2/NDF : 330233965.0/23

Right Out: 0.930+/-0.000 χ^2/NDF : 2420081209.6/18

Left In: 0.733+/-0.000 χ^2/NDF : 570264411.7/22

Left: 0.736+/-0.000 χ^2/NDF : 901785150.0/46

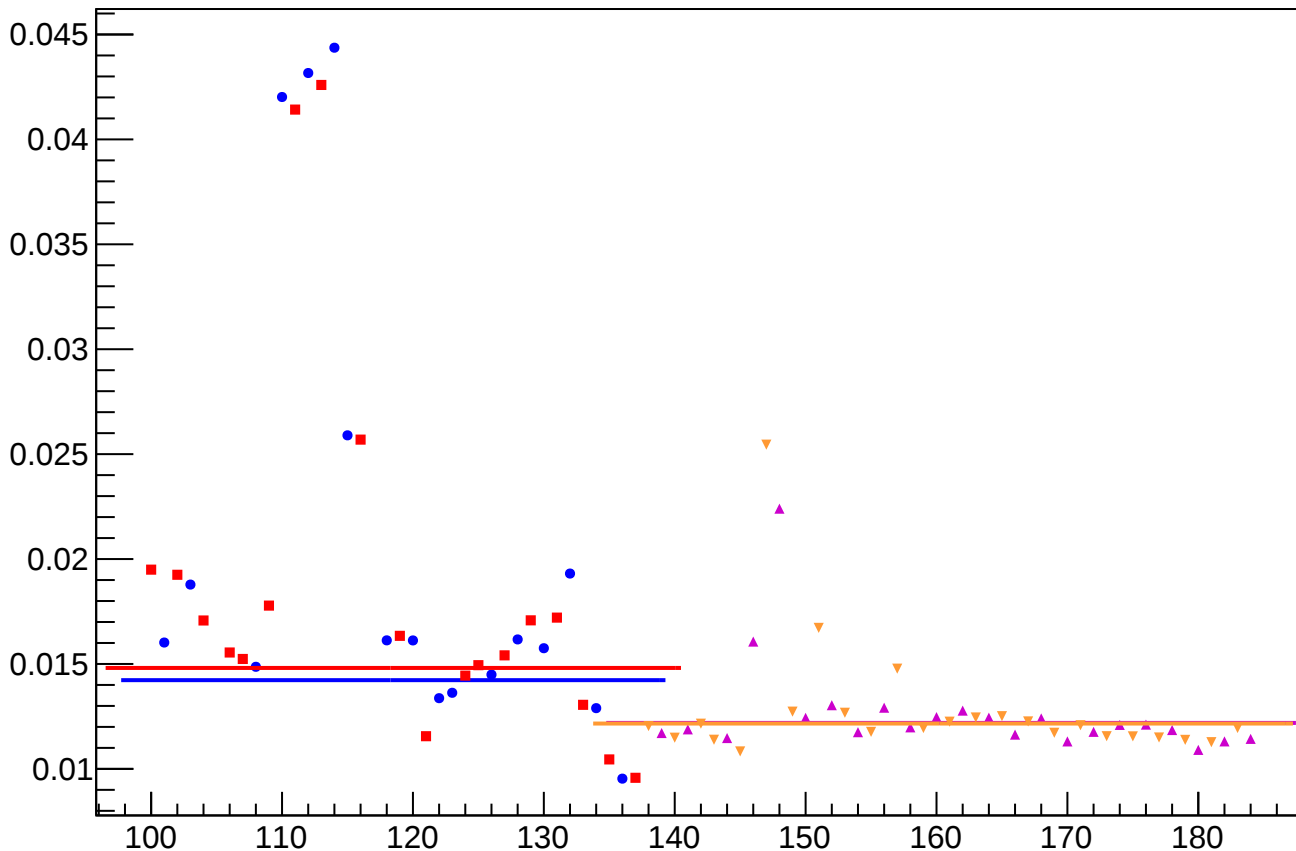
Right: 0.913+/-0.000 χ^2/NDF : 4829250239.4/35

In: 0.765+/-0.000 χ^2/NDF : 3544819865.9/39

Out: 0.774+/-0.000 χ^2/NDF : 3562181611.6/42

All: 0.770+/-0.000 χ^2/NDF : 7113026966.1/82

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1403945.8/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 634864.9/23

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1267250.0/18

Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 481639.6/22

Left: 0.012 $\pm$ 0.000 χ^2/NDF : 1116607.9/46

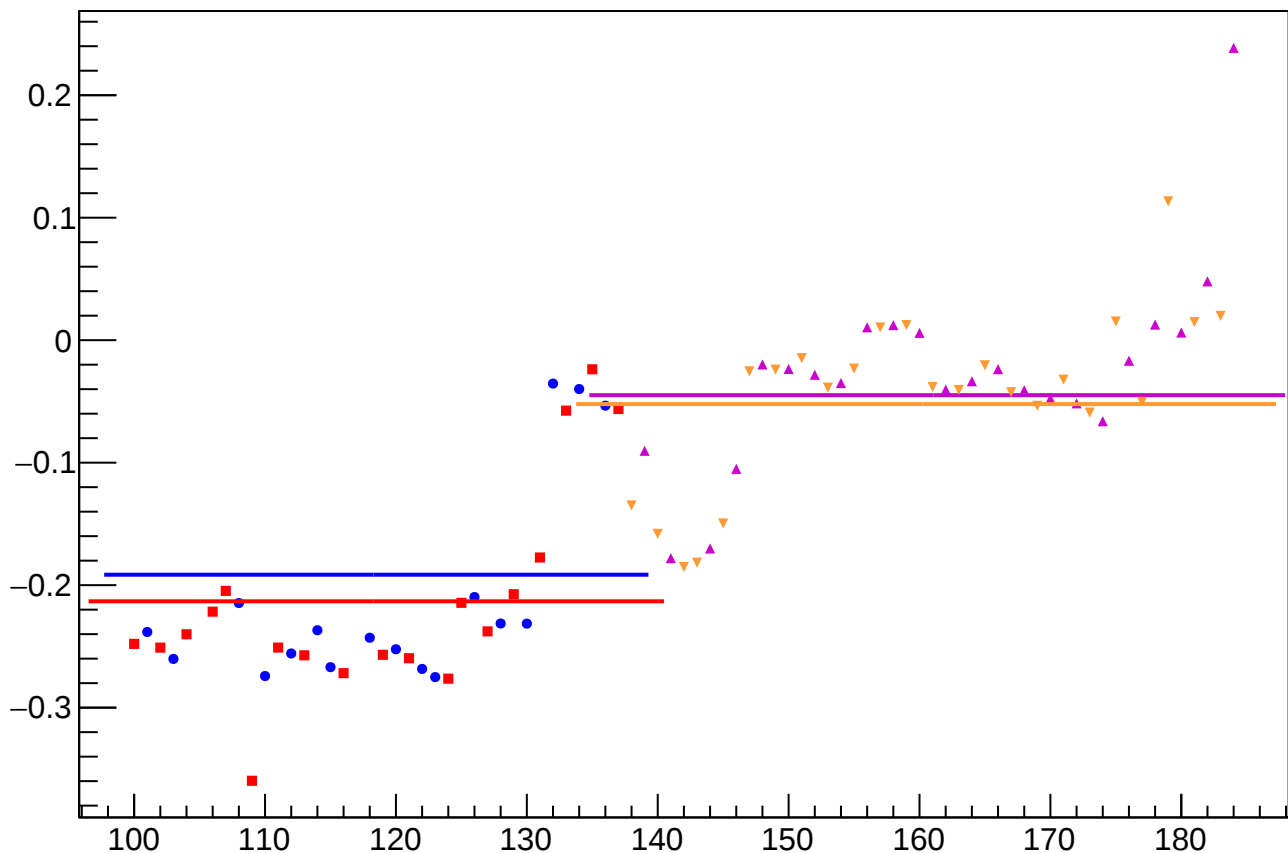
Right: 0.015 $\pm$ 0.000 χ^2/NDF : 2680467.9/35

In: 0.013 $\pm$ 0.000 χ^2/NDF : 2069350.9/39

Out: 0.013 $\pm$ 0.000 χ^2/NDF : 2211849.8/42

All: 0.013 $\pm$ 0.000 χ^2/NDF : 4281921.6/82

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.191 ± 0.000 $\chi^2/\text{NDF}: 105957051.0/16$

Left Out: -0.052 ± 0.000 $\chi^2/\text{NDF}: 159028806.1/23$

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 $\chi^2/\text{NDF}: 287372942.6/46$

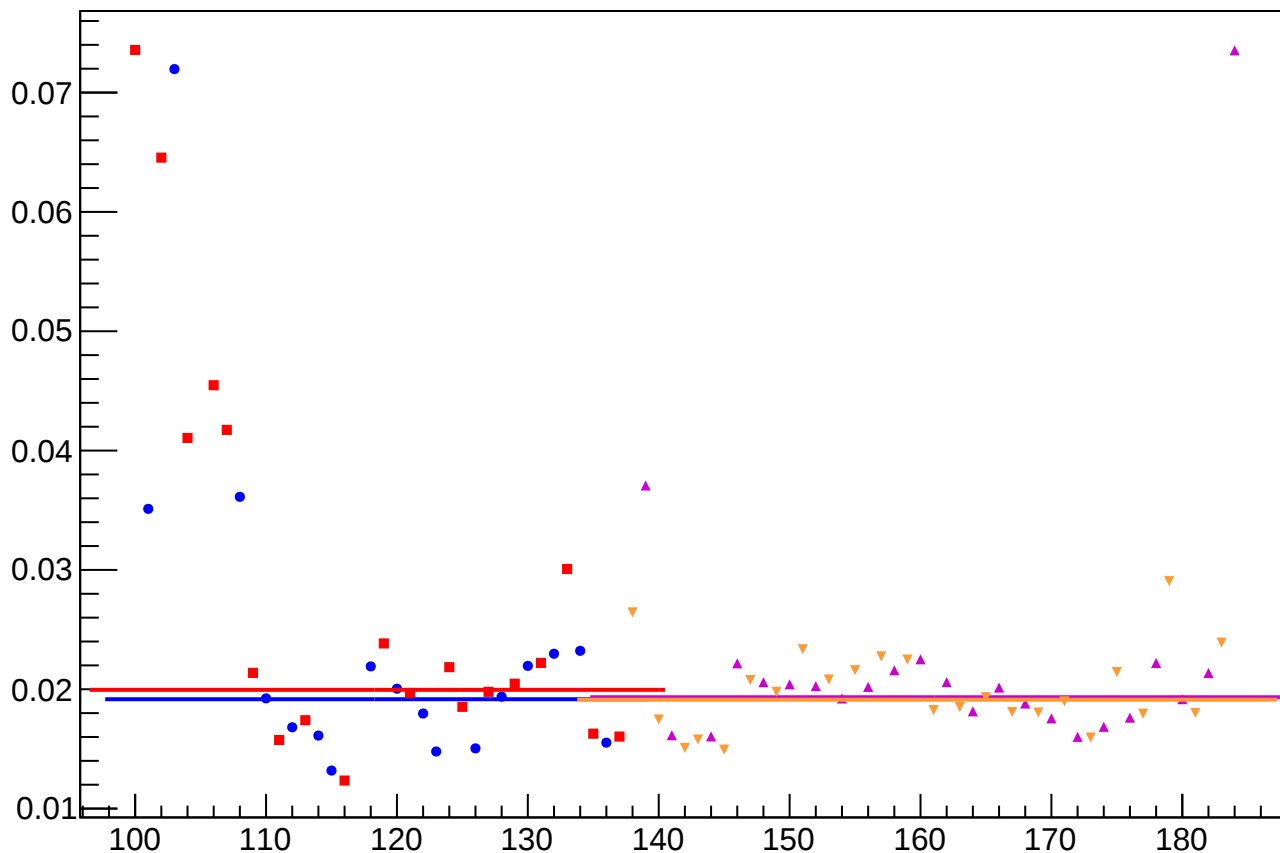
Right: -0.202 ± 0.000 $\chi^2/\text{NDF}: 218676699.4/35$

In: -0.084 ± 0.000 $\chi^2/\text{NDF}: 445862200.1/39$

Out: -0.092 ± 0.000 $\chi^2/\text{NDF}: 521351365.4/42$

All: -0.088 ± 0.000 $\chi^2/\text{NDF}: 969017248.3/82$

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 : 655985.3/23

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 : 1550451.5/46

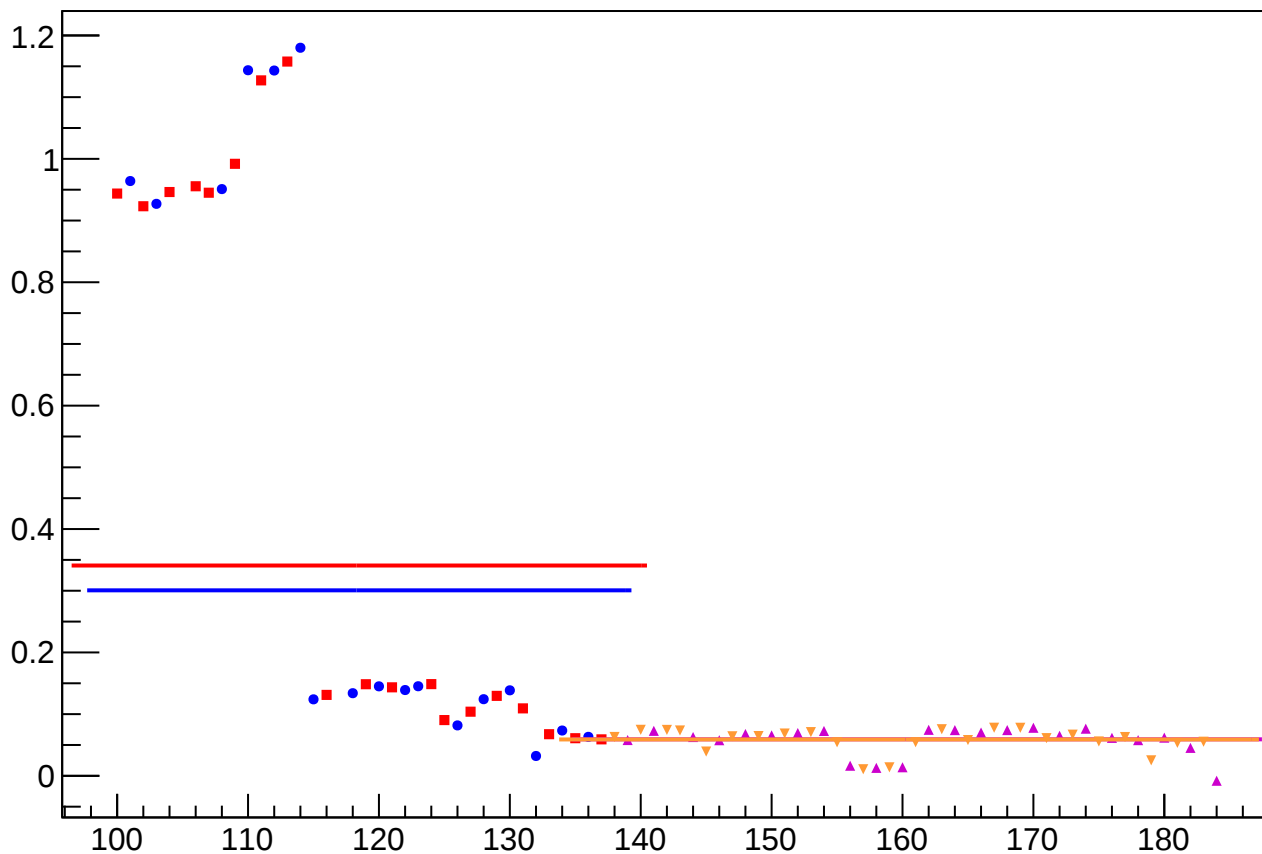
Right: 0.020+/-0.000 χ^2/NDF : 2633983.0/35

In: 0.019+/-0.000 χ^2/NDF : 2076554.3/39

Out: 0.019+/-0.000 χ^2/NDF : 2111987.7/42

All: 0.019+/-0.000 χ^2/NDF : 4188631.1/82

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 : 46281666.8/23

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 : 104926022.5/46

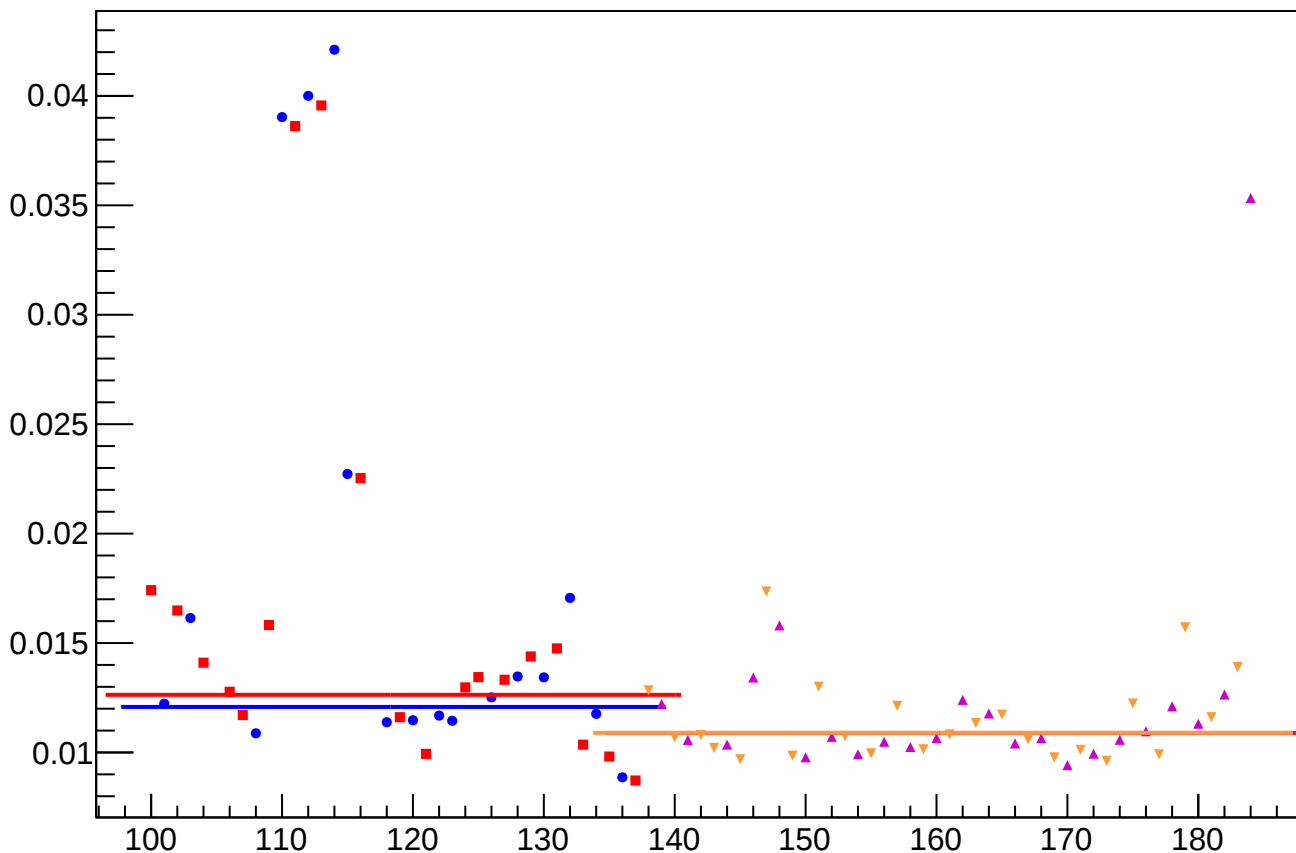
Right: 0.320+/-0.000 χ^2/NDF : 10665529192.9/35

In: 0.112+/-0.000 χ^2/NDF : 6973729168.5/39

Out: 0.117+/-0.000 χ^2/NDF : 7826723079.1/42

All: 0.115+/-0.000 χ^2/NDF : 14803085619.6/80

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 : 593969.1/23

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 : 1123842.3/46

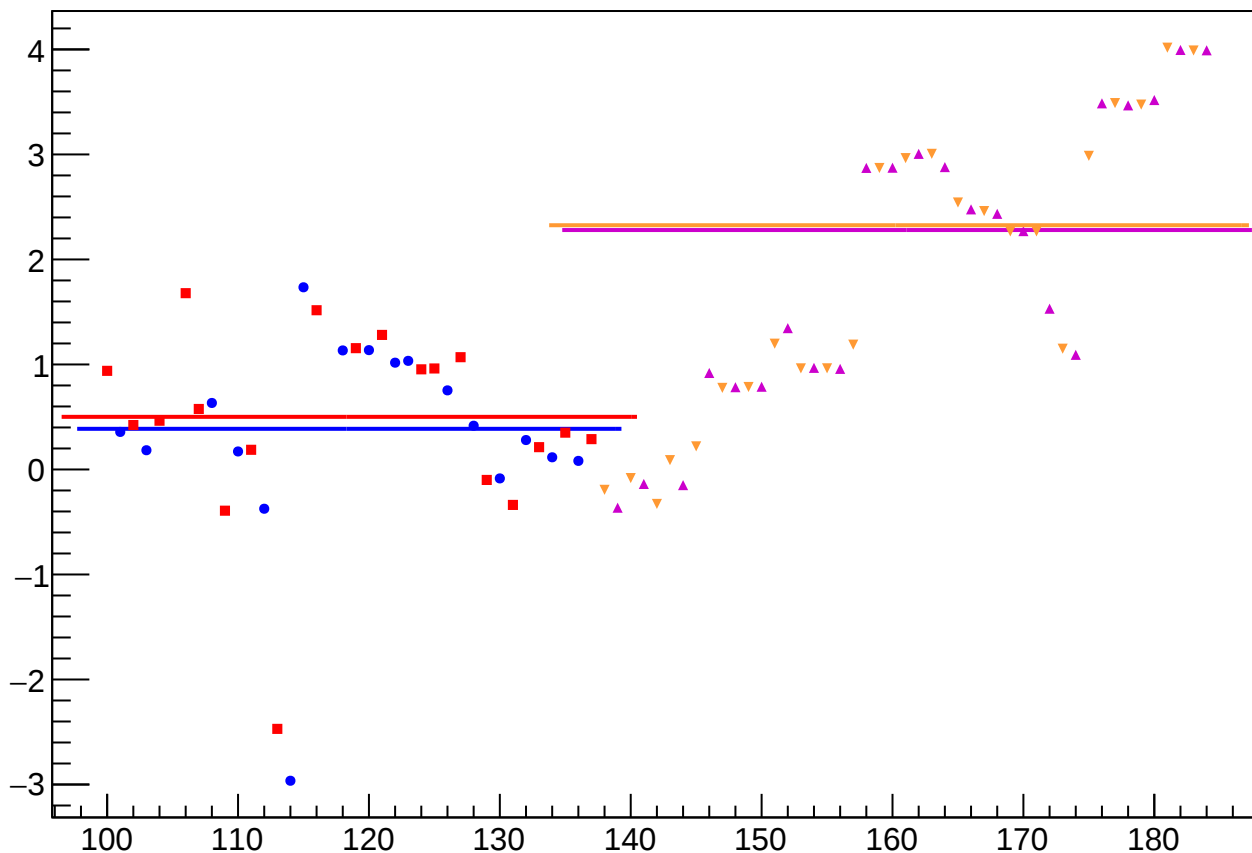
Right: 0.012+/-0.000 χ^2/NDF : 2520814.8/35

In: 0.011+/-0.000 χ^2/NDF : 1889511.8/39

Out: 0.011+/-0.000 χ^2/NDF : 2003650.0/42

All: 0.011+/-0.000 χ^2/NDF : 3895166.3/82

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.387+/-0.000

χ^2/NDF : 243730591.1/16

Left: 2.302+/-0.000 χ^2/NDF : 121950992424.7/46

Right: 0.440+/-0.000 χ^2/NDF : 1237246871.1/35

Left Out: 2.326+/-0.000

χ^2/NDF : 60453065259.9/23

In: 2.219+/-0.000 χ^2/NDF : 67742170297.7/39

Right Out: 0.501+/-0.000

χ^2/NDF : 983060826.6/18

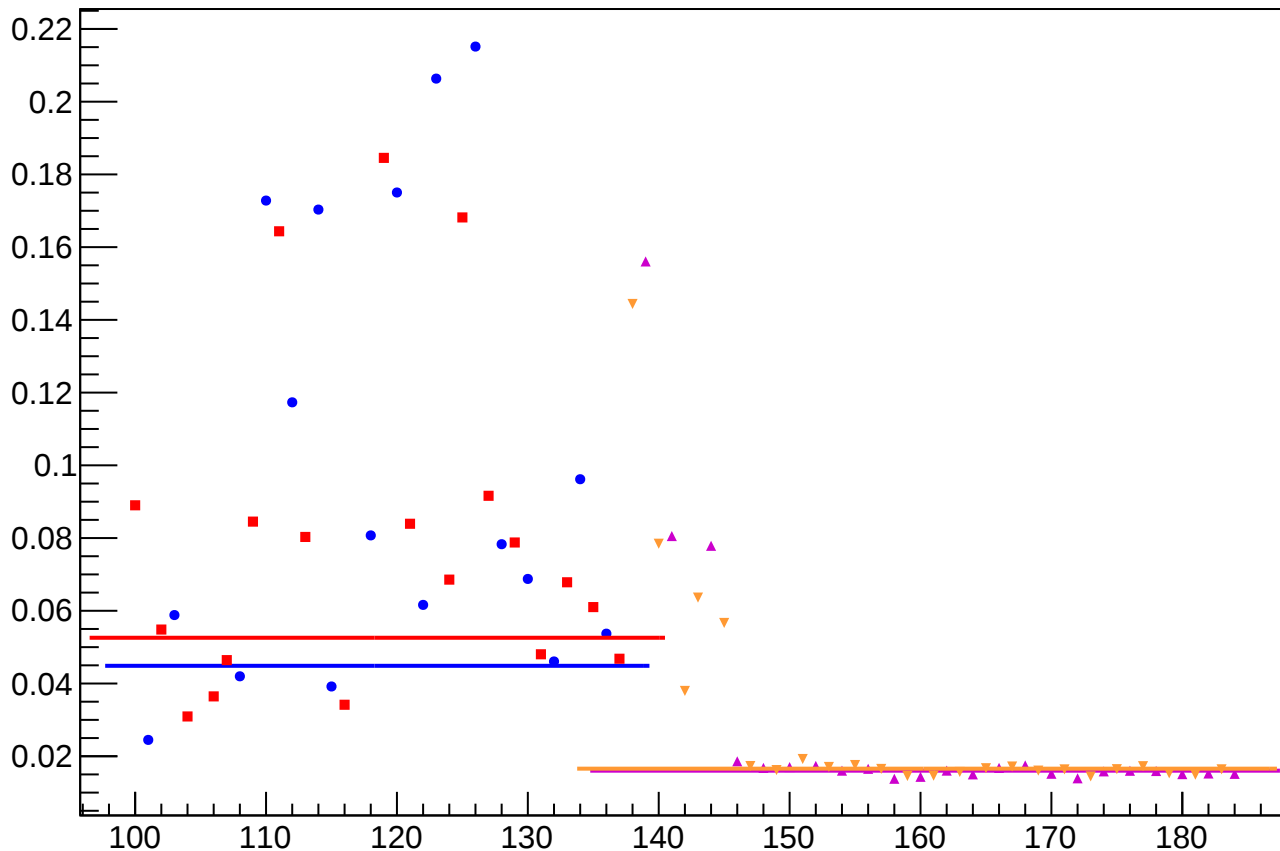
Out: 2.273+/-0.000 χ^2/NDF : 66241136020.7/42

Left In: 2.280+/-0.000

χ^2/NDF : 61444254541.3/22

All: 2.245+/-0.000 χ^2/NDF : 134061790664.0

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF : 2772873.5/16

Left Out: 0.017+/-0.000 χ^2/NDF :2812178.5/23

Right Out: 0.053+/-0.000 χ^2/NDF : 2178932.6/18

Left In: 0.016+/-0.000 χ^2/NDF :2463853.3/22

Left: 0.016+/-0.000 χ^2/NDF : 5291787.8/46

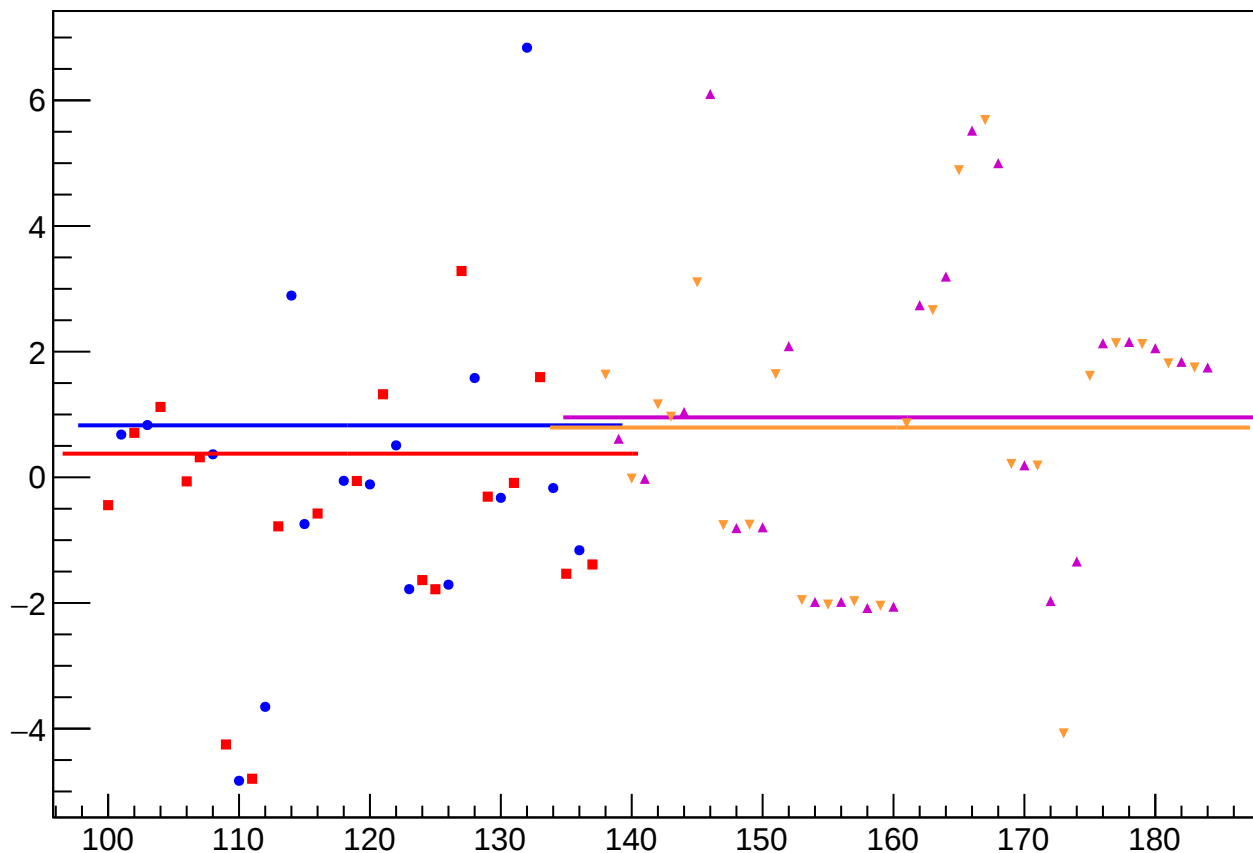
Right: 0.048+/-0.000 χ^2/NDF : 5047373.8/35

In: 0.017+/-0.000 χ^2/NDF :8047069.4/39

Out: 0.018+/-0.000 χ^2/NDF :8731781.4/42

All: 0.017+/-0.000 χ^2/NDF : 16801695.1/82

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.827+/-0.000 χ^2/NDF : 10943374014.3/16

Left Out: 0.792+/-0.000 χ^2/NDF : 506185826790.6/23

Right Out: 0.377+/-0.000 χ^2/NDF : 4942288775.5/18

Left In: 0.954+/-0.000 χ^2/NDF : 574792794608.3/22

Left: 0.874+/-0.000 χ^2/NDF : 1082089642271.2/46

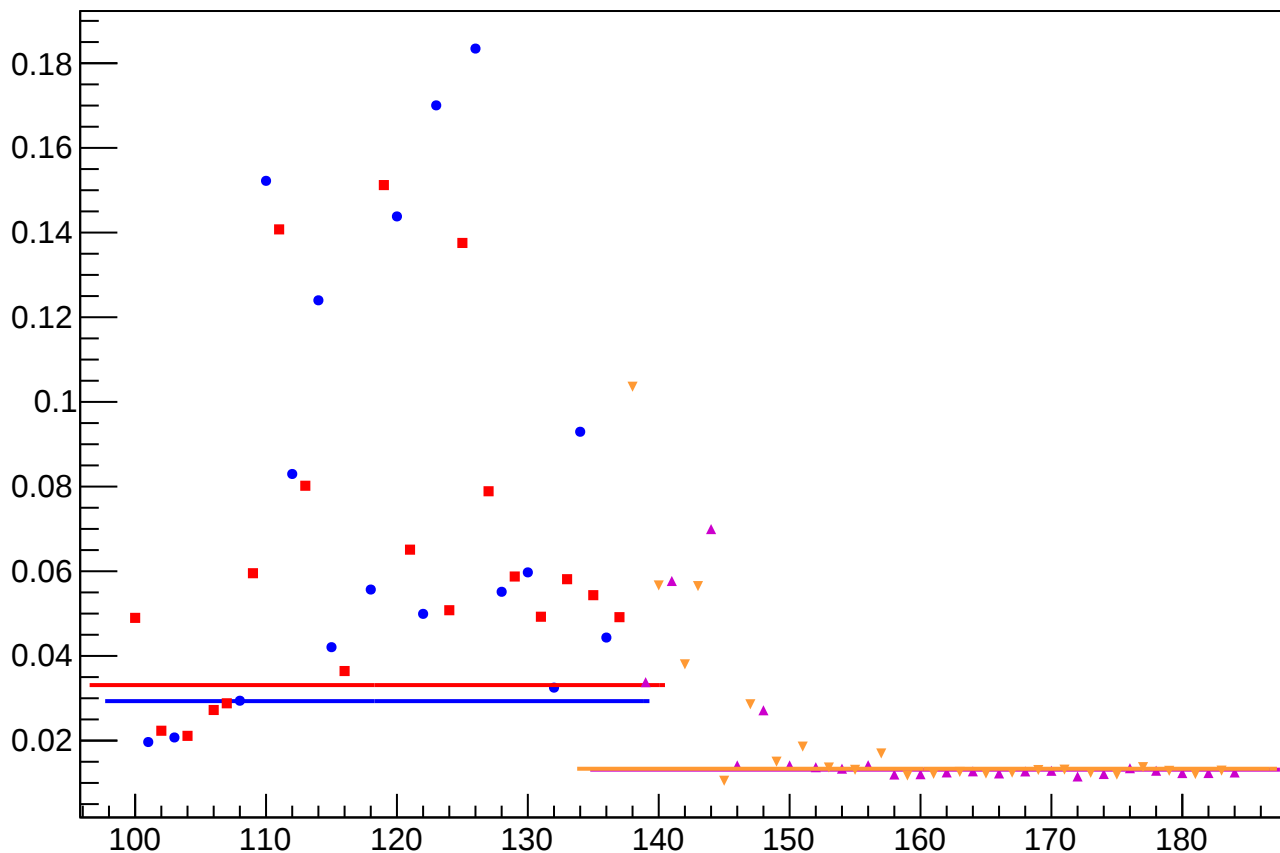
Right: 0.615+/-0.000 χ^2/NDF : 16261014165.5/35

In: 0.949+/-0.000 χ^2/NDF : 585796848987.1/39

Out: 0.775+/-0.000 χ^2/NDF : 511706583235.9/42

All: 0.863+/-0.000 χ^2/NDF : 1098827604220.

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 :2915375.6/23

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 : 4887615.5/46

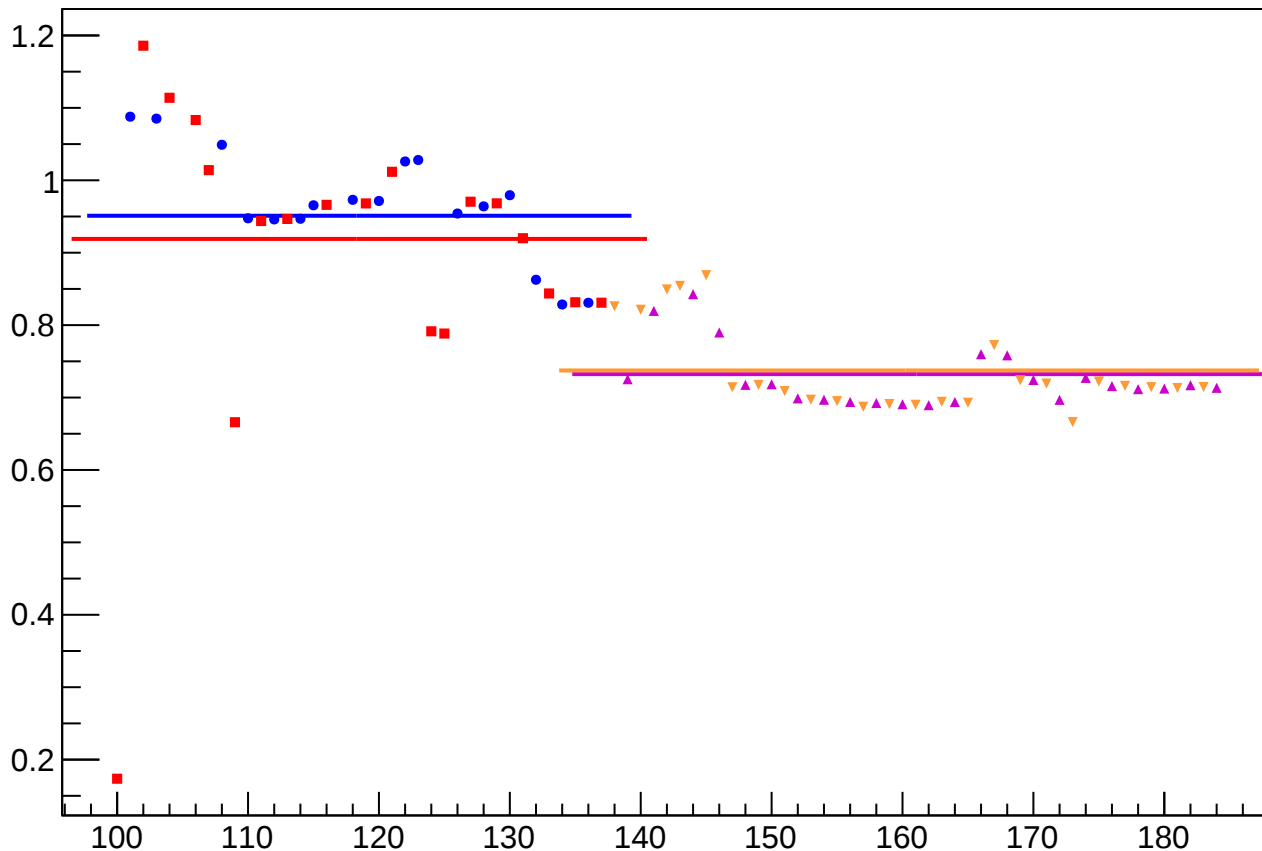
Right: 0.031+/-0.000 χ^2/NDF : 6101828.7/35

In: 0.014+/-0.000 χ^2/NDF :6906478.4/39

Out: 0.014+/-0.000 χ^2/NDF :8612936.3/42

All: 0.014+/-0.000 χ^2/NDF : 15527448.2/82

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.951+/-0.000 χ^2/NDF : 174262904.5/16

Left Out: 0.737+/-0.000 χ^2/NDF :298762208.9/23

Right Out: 0.919+/-0.000 χ^2/NDF : 374649317.1/18

Left In: 0.732+/-0.000 χ^2/NDF :170806298.1/22

Left: 0.735+/-0.000 χ^2/NDF : 470638461.7/46

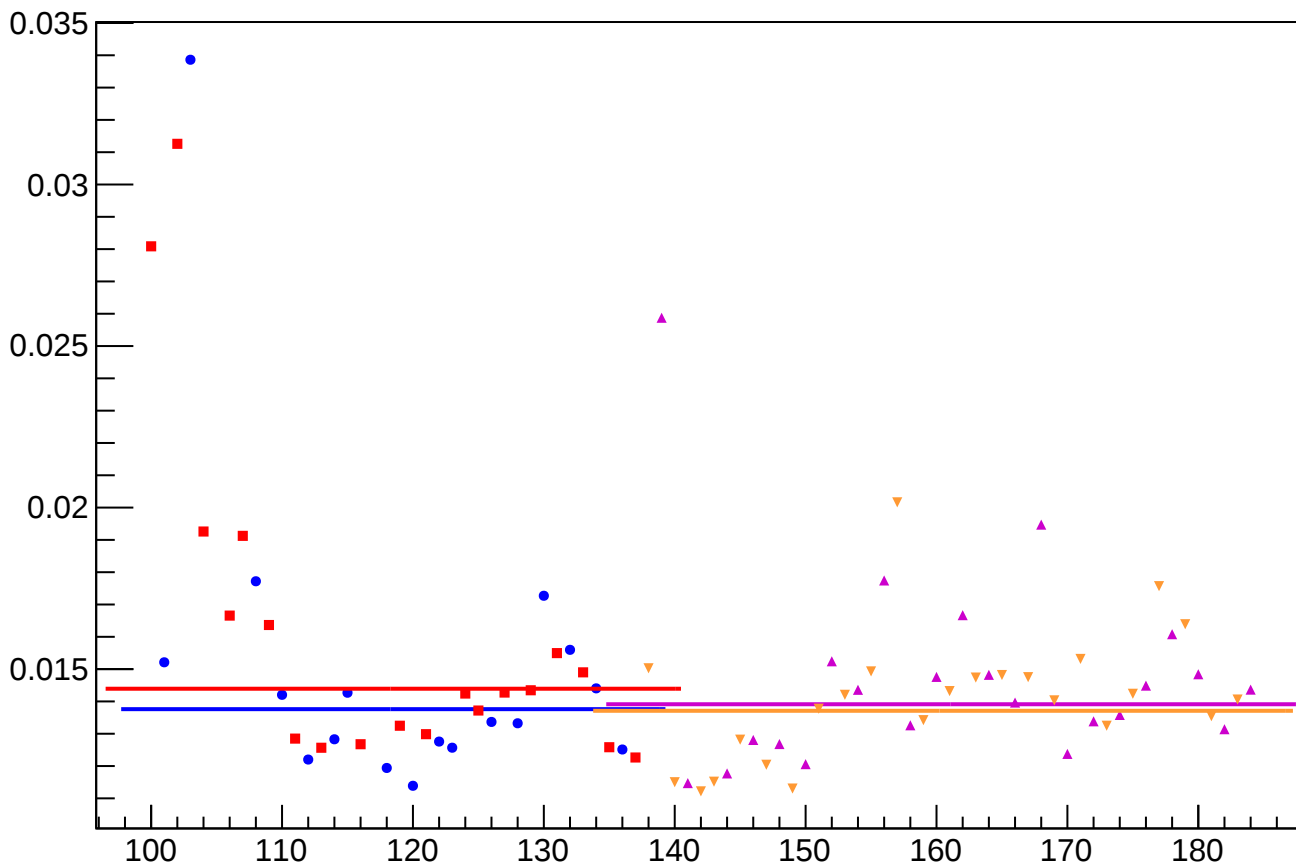
Right: 0.935+/-0.000 χ^2/NDF : 564130452.3/35

In: 0.792+/-0.000 χ^2/NDF :1397401956.9/39

Out: 0.784+/-0.000 χ^2/NDF :1389948197.4/42

All: 0.788+/-0.000 χ^2/NDF : 2791054127.9/82

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 538388.7/16

Left Out: 0.014+/-0.000 χ^2/NDF : 514524.7/23

Right Out: 0.014+/-0.000 χ^2/NDF : 504068.1/18

Left In: 0.014+/-0.000 χ^2/NDF : 794558.0/22

Left: 0.014+/-0.000 χ^2/NDF : 1312462.9/46

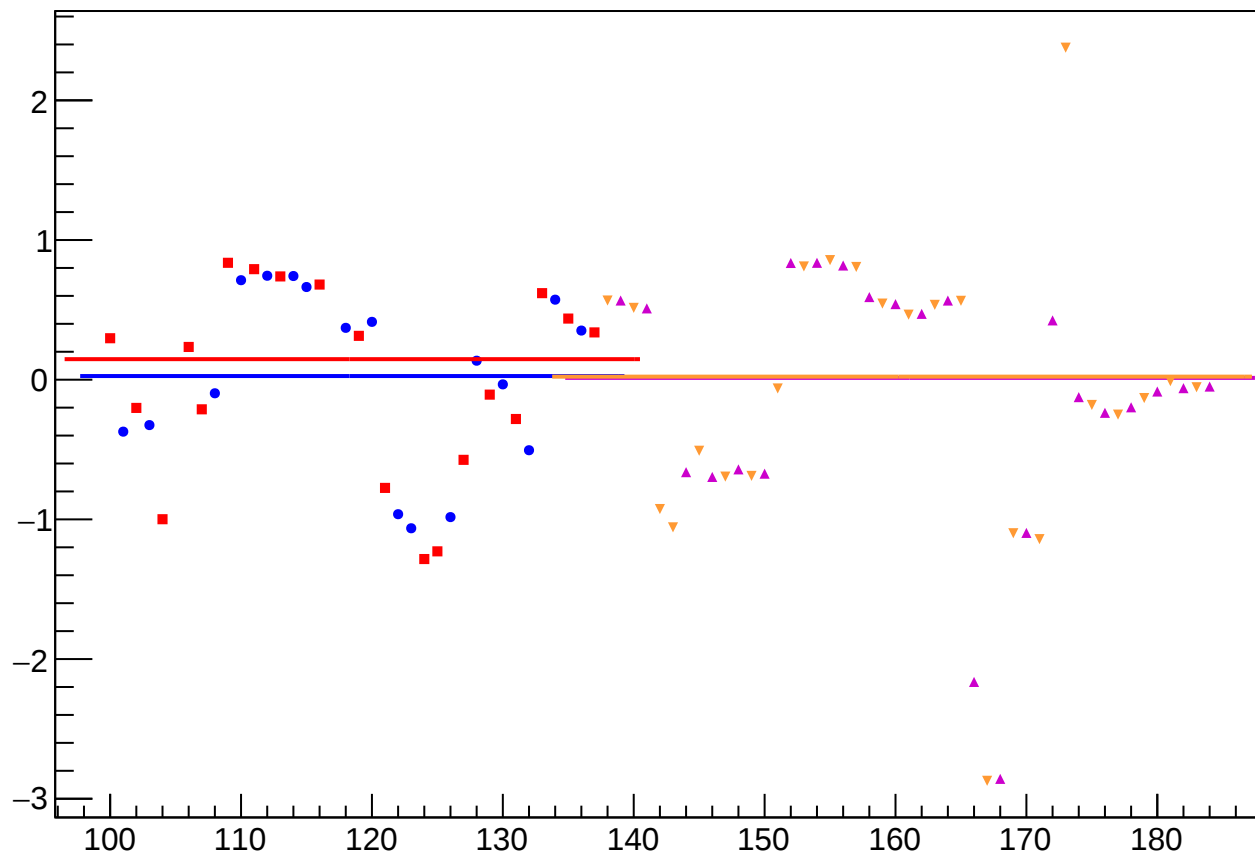
Right: 0.014+/-0.000 χ^2/NDF : 1054350.5/35

In: 0.014+/-0.000 χ^2/NDF : 1333964.0/39

Out: 0.014+/-0.000 χ^2/NDF : 1038843.2/42

All: 0.014+/-0.000 χ^2/NDF : 2372830.6/82

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.026 $\pm$ 0.000 χ^2/NDF : 6307097032.6/16

Left Out: 0.022 $\pm$ 0.000 χ^2/NDF : 95314489555.5/23

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: 0.017 $\pm$ 0.000 χ^2/NDF : 174764412947.3/46

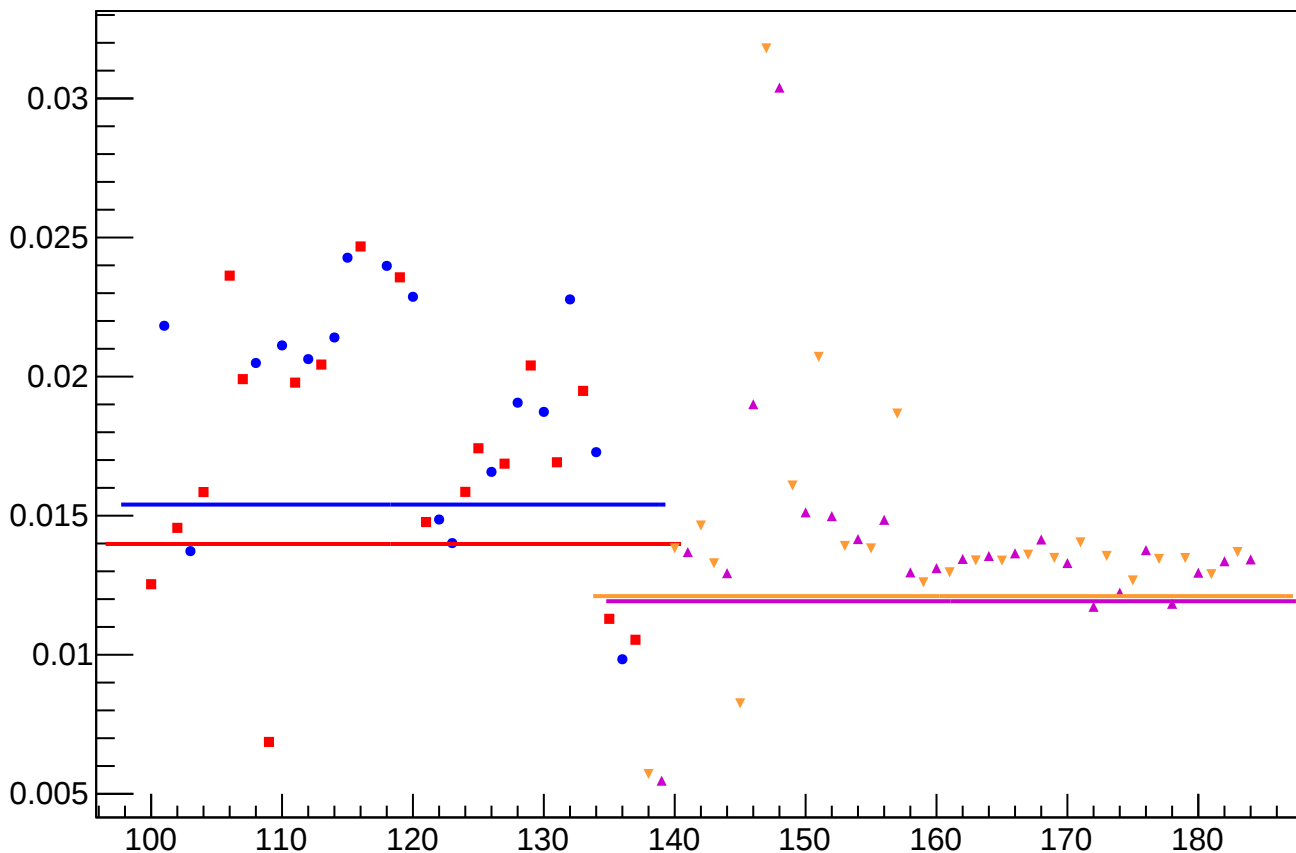
Right: 0.092 $\pm$ 0.000 χ^2/NDF : 19274169233.1/35

In: 0.015 $\pm$ 0.000 χ^2/NDF : 85756127201.7/39

Out: 0.048 $\pm$ 0.000 χ^2/NDF : 108446075553.4/42

All: 0.032 $\pm$ 0.000 χ^2/NDF : 194273730232.5

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 : 3111923.1/23

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 : 6221485.9/46

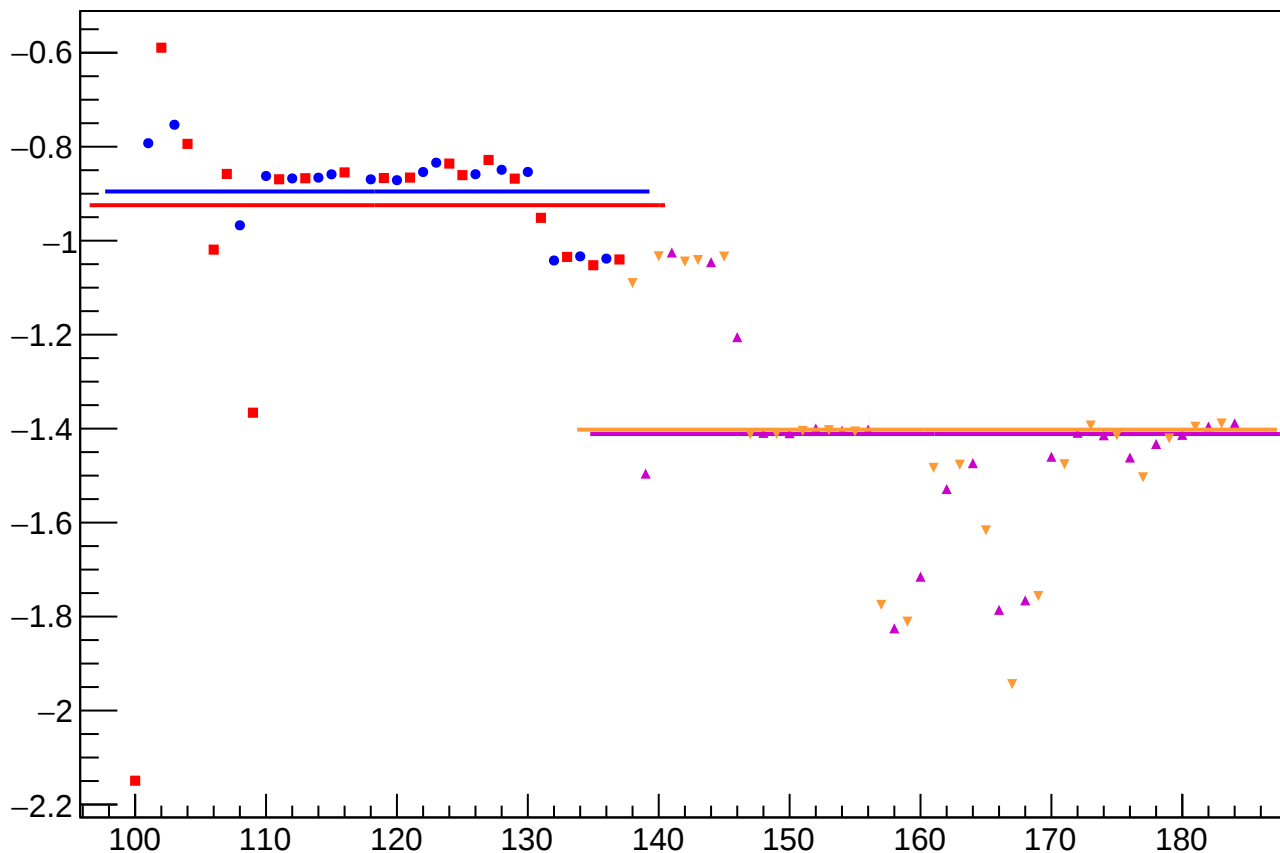
Right: 0.015+/-0.000 χ^2/NDF : 2749005.6/35

In: 0.013+/-0.000 χ^2/NDF : 4711247.1/39

Out: 0.013+/-0.000 χ^2/NDF : 4827445.1/42

All: 0.013+/-0.000 χ^2/NDF : 9539040.3/82

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.895+/-0.000 χ^2/NDF : 37924701.6/16

Left Out: -1.402+/-0.000 χ^2/NDF : 718194910.2/23

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: -1.407+/-0.000 χ^2/NDF : 1231358495.7/46

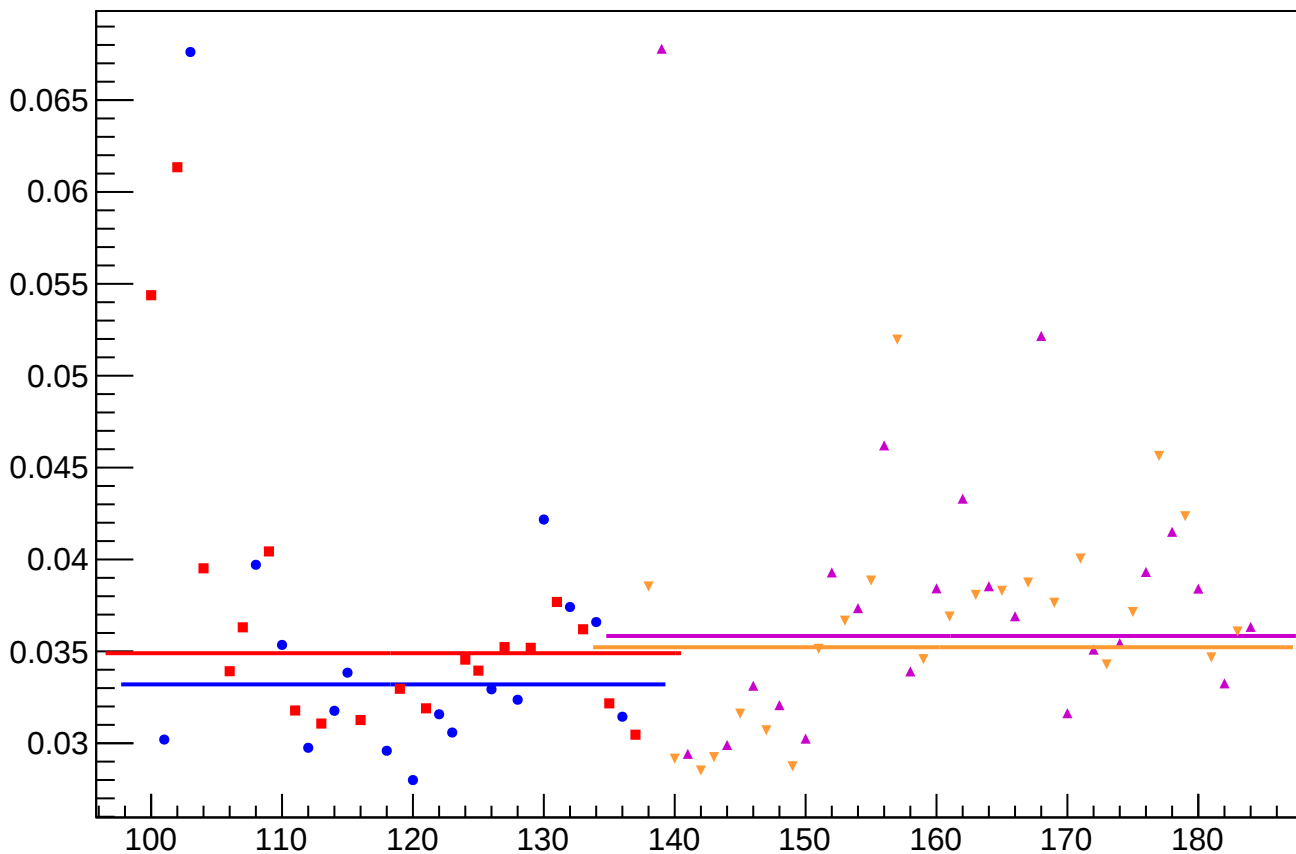
Right: -0.910+/-0.000 χ^2/NDF : 168551871.0/35

In: -1.254+/-0.000 χ^2/NDF : 1523968599.9/39

Out: -1.267+/-0.000 χ^2/NDF : 1668806517.7/42

All: -1.260+/-0.000 χ^2/NDF : 3194145862.4/8

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 : 580263.1/23

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: 0.036+/-0.000 χ^2/NDF : 1475901.4/46

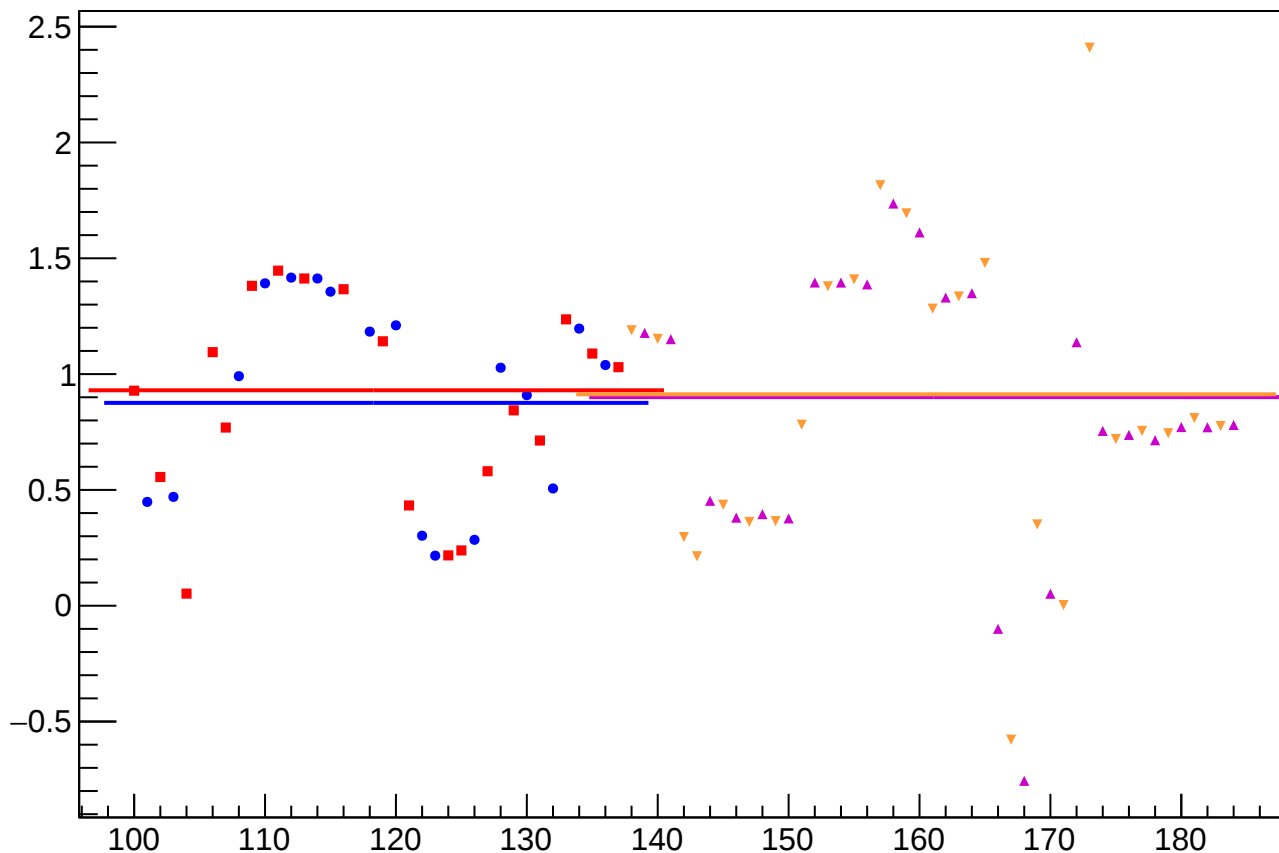
Right: 0.034+/-0.000 χ^2/NDF : 689800.6/35

In: 0.035+/-0.000 χ^2/NDF : 1341218.2/39

Out: 0.035+/-0.000 χ^2/NDF : 856524.2/42

All: 0.035+/-0.000 χ^2/NDF : 2197909.3/82

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.876+/-0.000 χ^2/NDF : 6459481069.8/16

Left Out: 0.913+/-0.000 χ^2/NDF : 83357488289.8/23

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: 0.907+/-0.000 χ^2/NDF : 150305440969.4/46

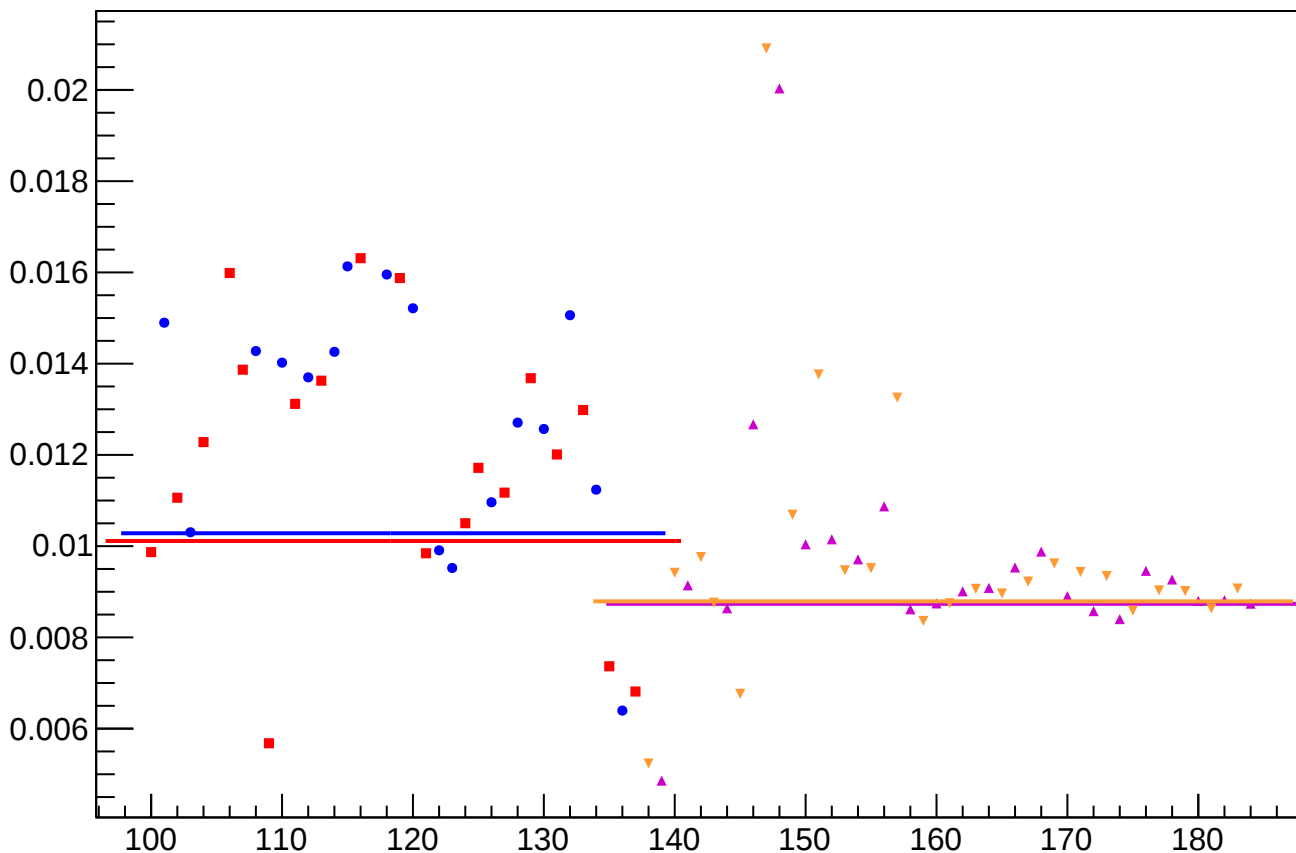
Right: 0.904+/-0.000 χ^2/NDF : 16496180845.3/35

In: 0.896+/-0.000 χ^2/NDF : 73417350193.7/39

Out: 0.916+/-0.000 χ^2/NDF : 93327342341.3/42

All: 0.906+/-0.000 χ^2/NDF : 166802251206.3

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:1699243.8/23

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: 3369842.8/46

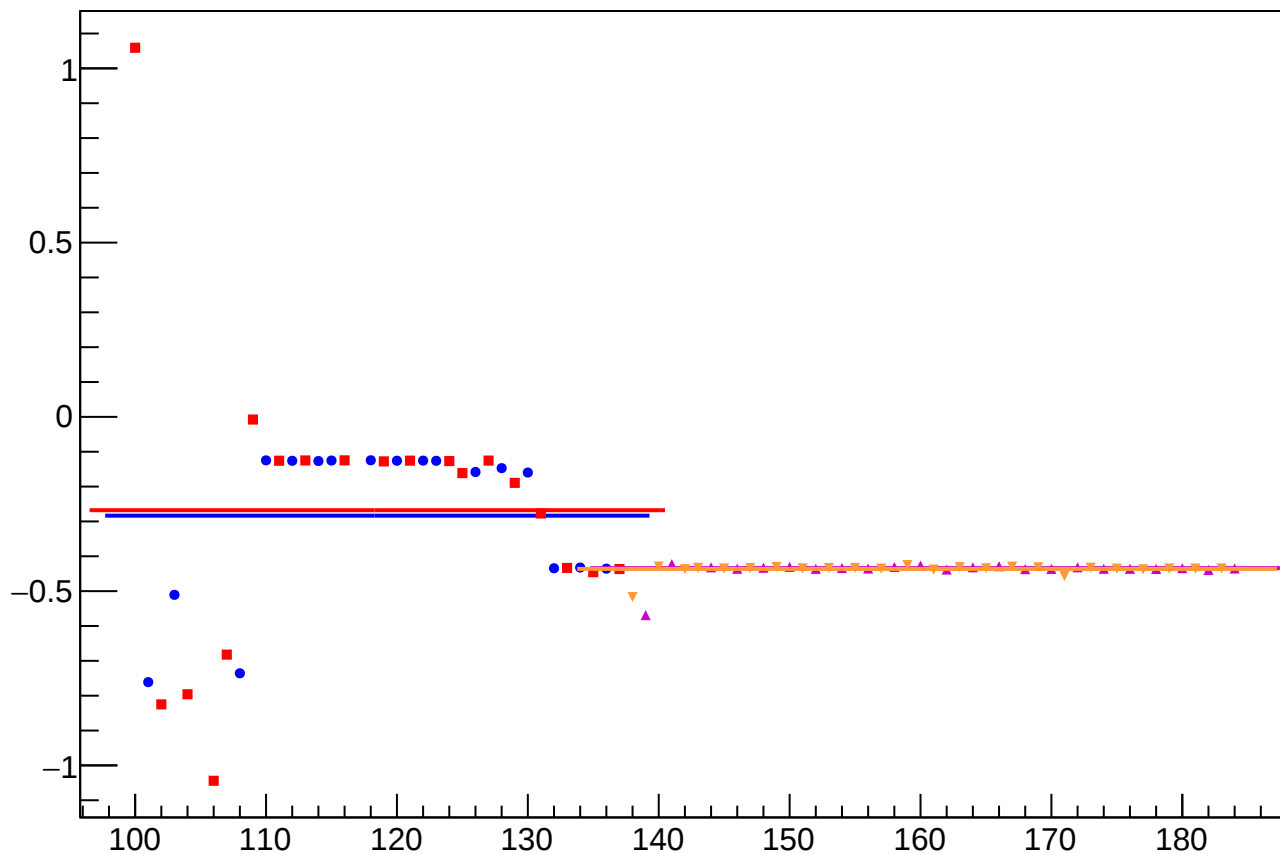
Right: 0.010 $\pm$ 0.000 χ^2 /NDF: 2380897.7/35

In: 0.009 $\pm$ 0.000 χ^2 /NDF:3075888.5/39

Out: 0.009 $\pm$ 0.000 χ^2 /NDF:3030110.0/42

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6106111.2/82

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 : 28788260.6/23

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 : 49326753.9/46

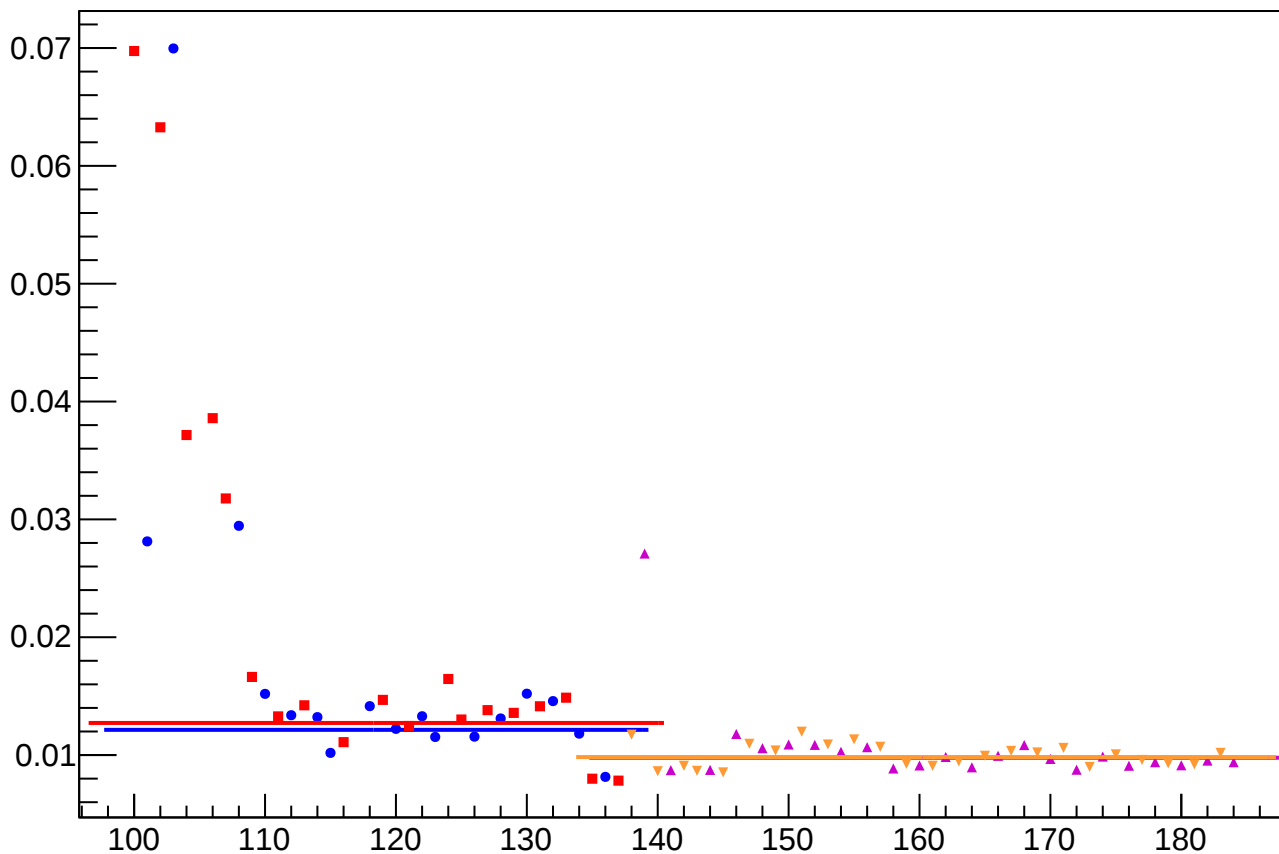
Right: -0.276+/-0.000 χ^2/NDF : 1863547180.1/35

In: -0.408+/-0.000 χ^2/NDF : 1506676334.4/39

Out: -0.410+/-0.000 χ^2/NDF : 1705097093.8/42

All: -0.409+/-0.000 χ^2/NDF : 3211932482.2/8

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 : 263771.4/23

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 : 1050813.9/46

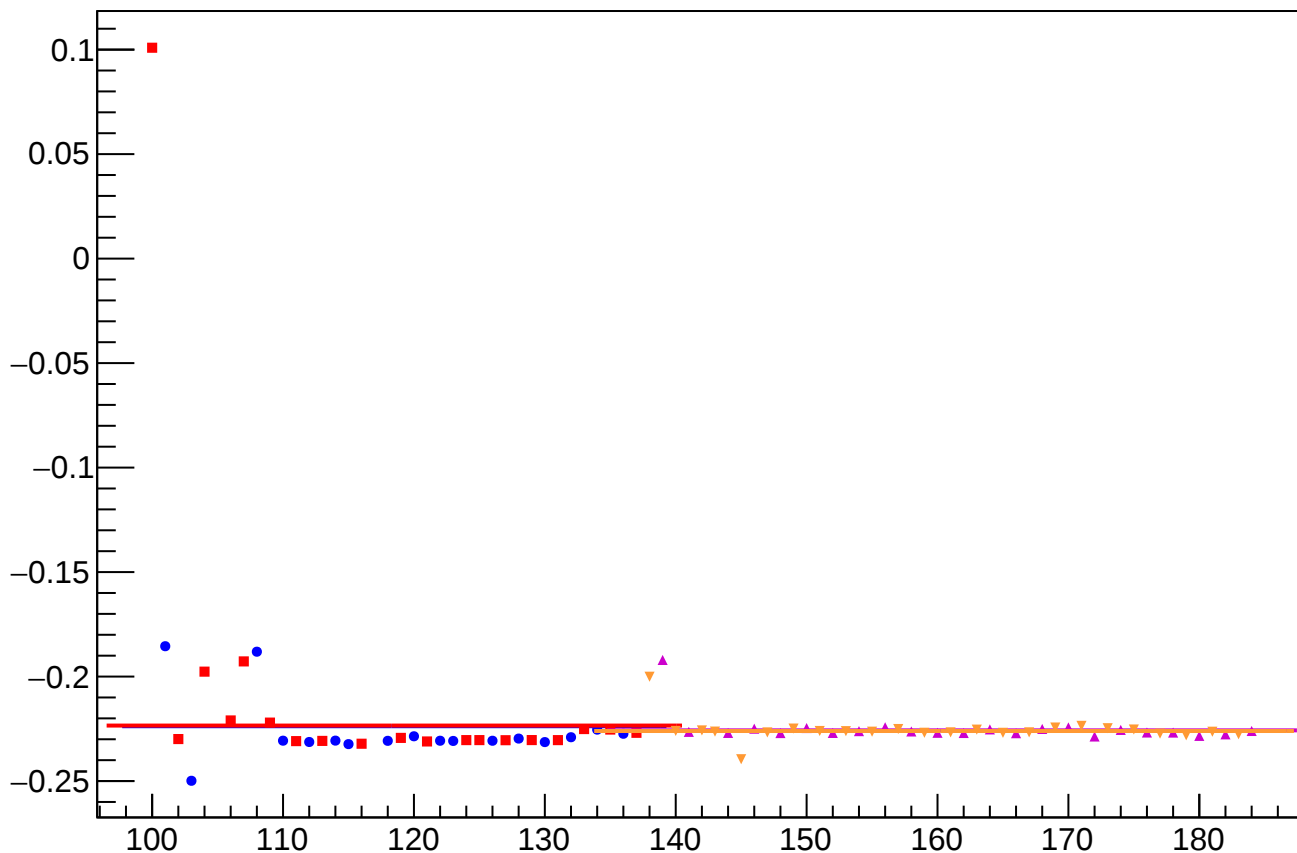
Right: 0.012 $\pm$ 0.000 χ^2/NDF : 3699016.9/35

In: 0.010 $\pm$ 0.000 χ^2/NDF : 2800039.0/39

Out: 0.010 $\pm$ 0.000 χ^2/NDF : 2653013.0/42

All: 0.010 $\pm$ 0.000 χ^2/NDF : 5455219.4/82

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 : 21174278.7/23

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 : 34923258.5/46

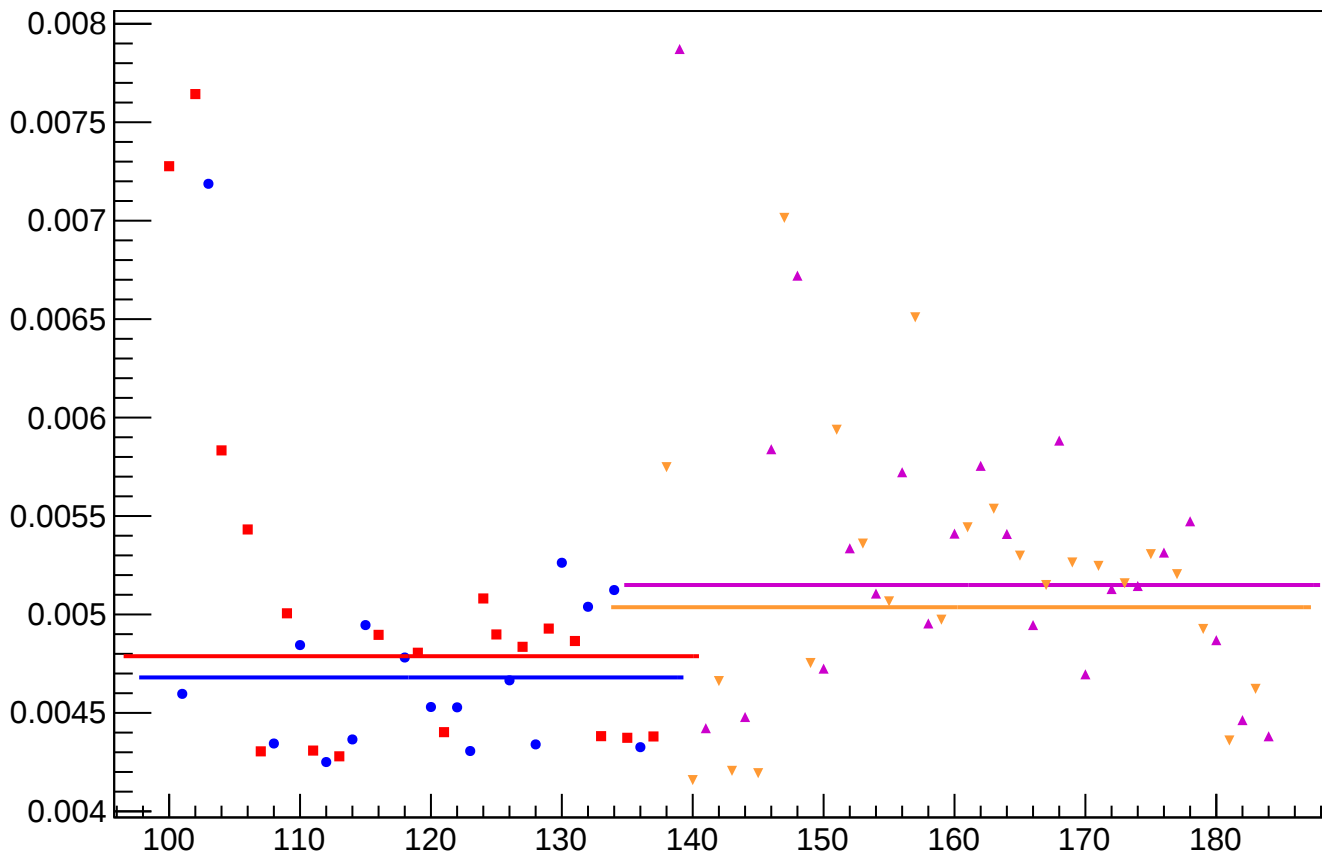
Right: -0.224 ± 0.000 χ^2/NDF : 242009294.1/35

In: -0.225 ± 0.000 χ^2/NDF : 88656187.0/39

Out: -0.225 ± 0.000 χ^2/NDF : 190298622.0/42

All: -0.225 ± 0.000 χ^2/NDF : 278965470.3/82

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 : 510947.0/23

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 : 1023148.6/46

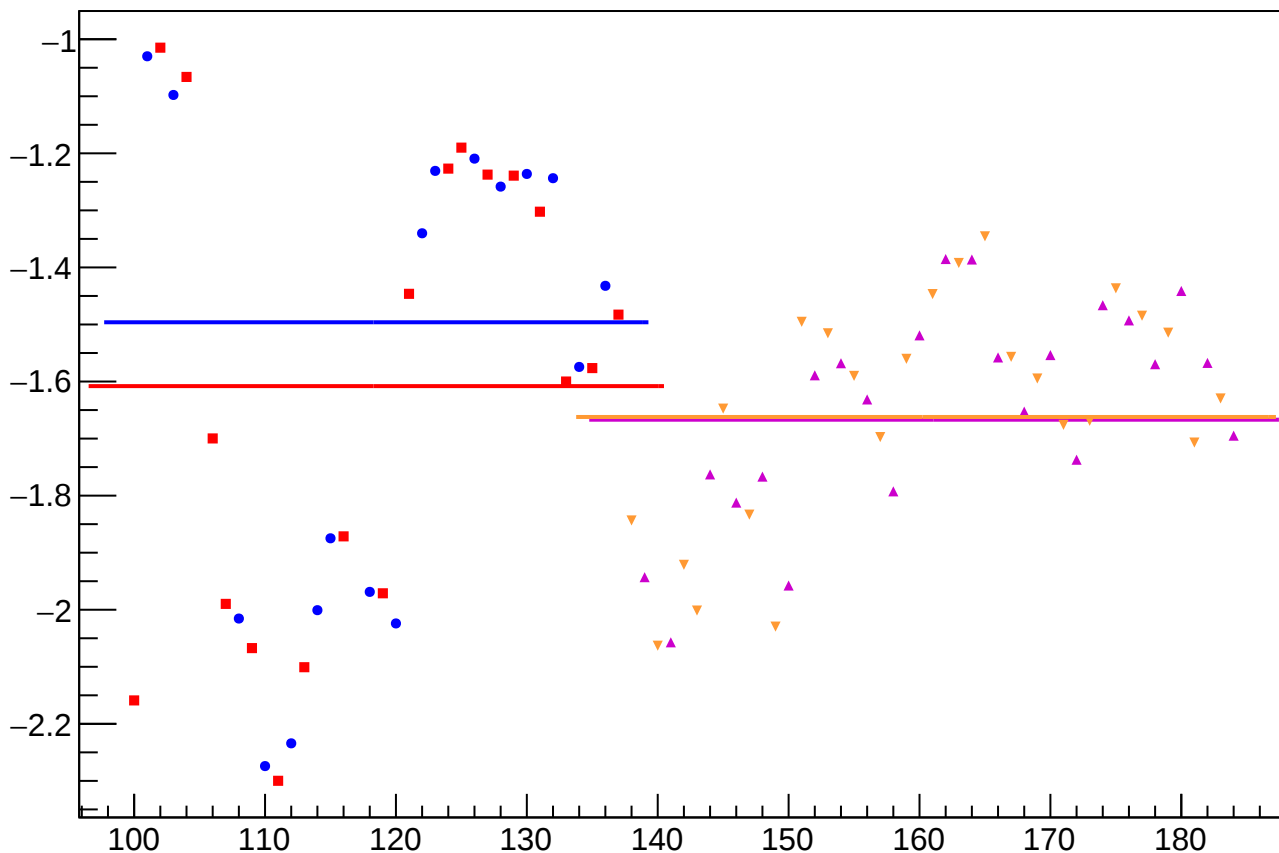
Right: 0.005+/-0.000 χ^2/NDF : 431873.8/35

In: 0.005+/-0.000 χ^2/NDF : 767408.5/39

Out: 0.005+/-0.000 χ^2/NDF : 783832.0/42

All: 0.005+/-0.000 χ^2/NDF : 1552892.1/82

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22454192322.7/16

Left Out: -1.662+/-0.000 χ^2/NDF : 17957307624.1/23

Right Out: -1.608+/-0.000 χ^2/NDF : 27842216222.3/18

Left In: -1.667+/-0.000 χ^2/NDF : 14615453869.3/22

Left: -1.664+/-0.000 χ^2/NDF : 32577606178.3/46

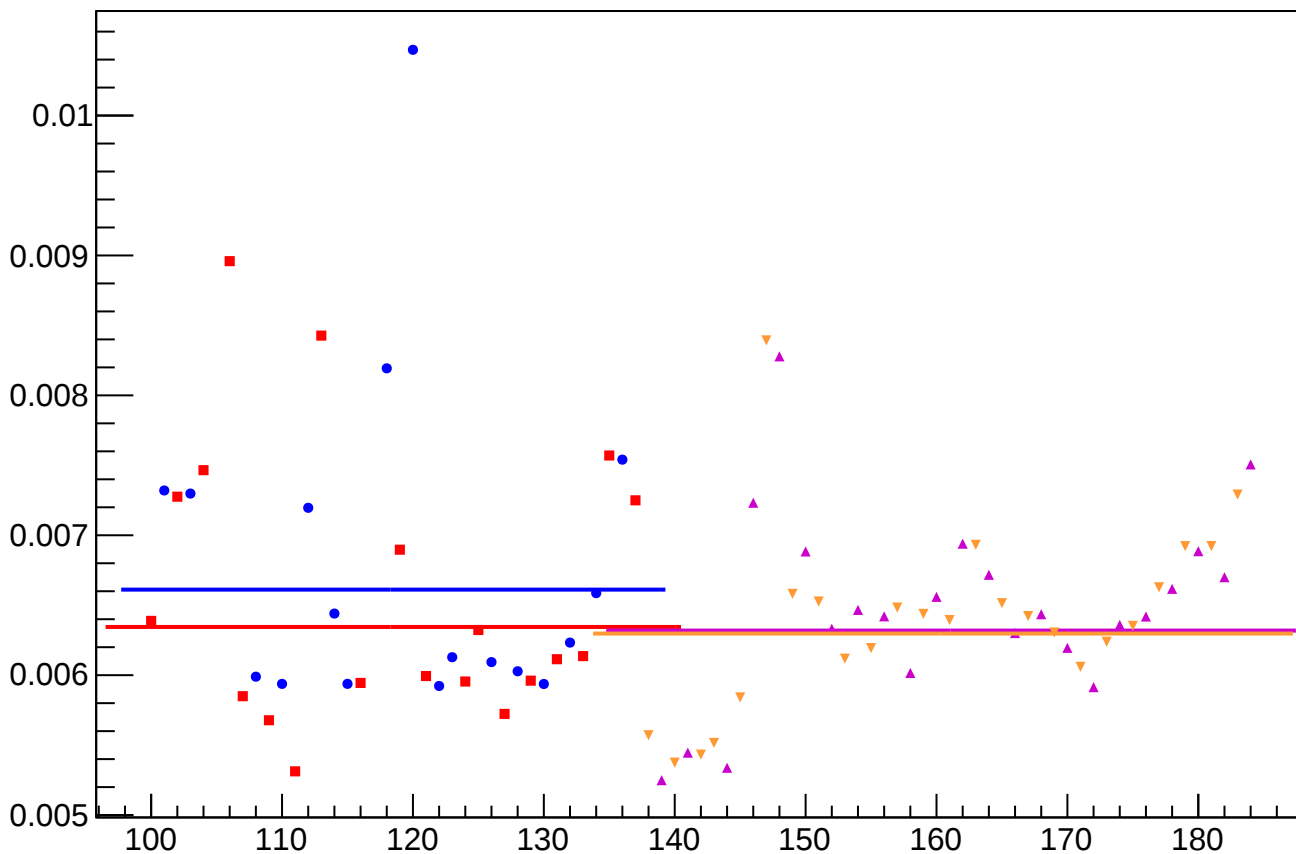
Right: -1.557+/-0.000 χ^2/NDF : 51233549313.5/35

In: -1.624+/-0.000 χ^2/NDF : 40090344894.2/39

Out: -1.647+/-0.000 χ^2/NDF : 46146348453.0/42

All: -1.636+/-0.000 χ^2/NDF : 86390700135.9/80

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 199824.5/16

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:291154.2/23

Right Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 228249.0/18

Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:334332.4/22

Left: 0.006 $\pm$ 0.000 χ^2 /NDF: 625679.7/46

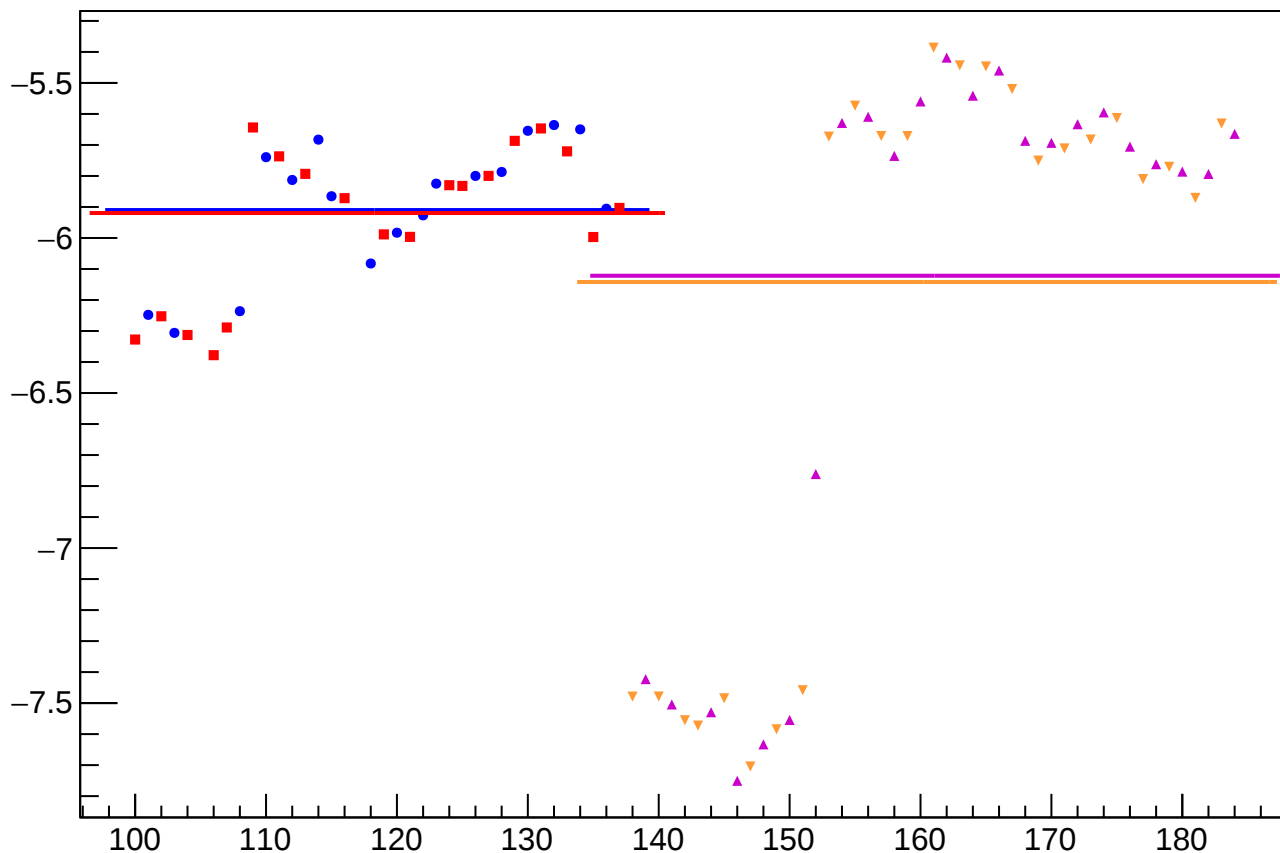
Right: 0.006 $\pm$ 0.000 χ^2 /NDF: 438730.8/35

In: 0.006 $\pm$ 0.000 χ^2 /NDF:551905.7/39

Out: 0.006 $\pm$ 0.000 χ^2 /NDF:519932.0/42

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 1075667.4/82

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.910+/-0.000 χ^2 /NDF: 11105112836.5/16

Left Out: -6.142+/-0.000 χ^2 /NDF: 183123638152.4/23

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: -6.132+/-0.000 χ^2 /NDF: 343084279869.5/46

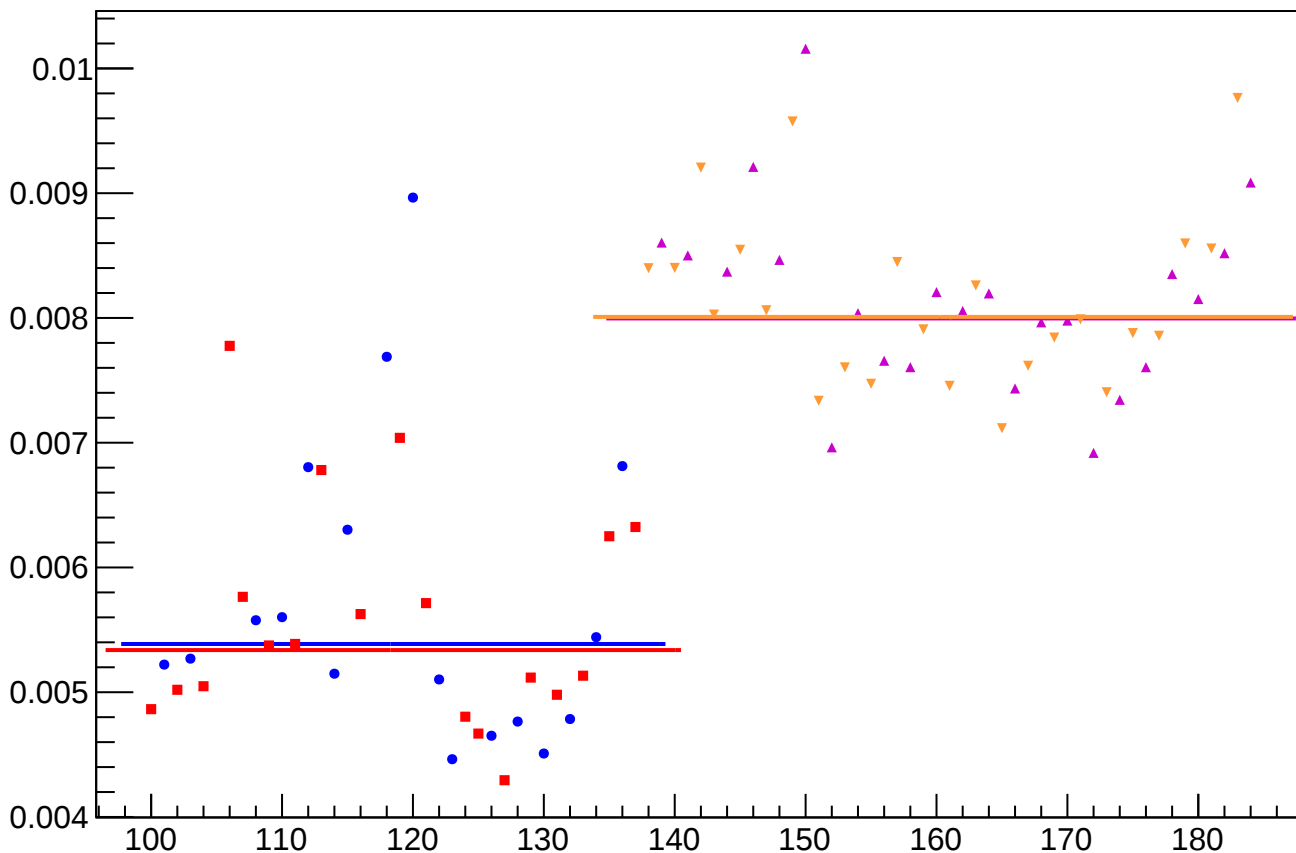
Right: -5.915+/-0.000 χ^2 /NDF: 23931726367.2/35

In: -6.027+/-0.000 χ^2 /NDF: 176009285839.8/39

Out: -6.038+/-0.000 χ^2 /NDF: 201820595847.1/42

All: -6.033+/-0.000 χ^2 /NDF: 377858063198.3

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 :177906.5/23

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 : 398149.0/46

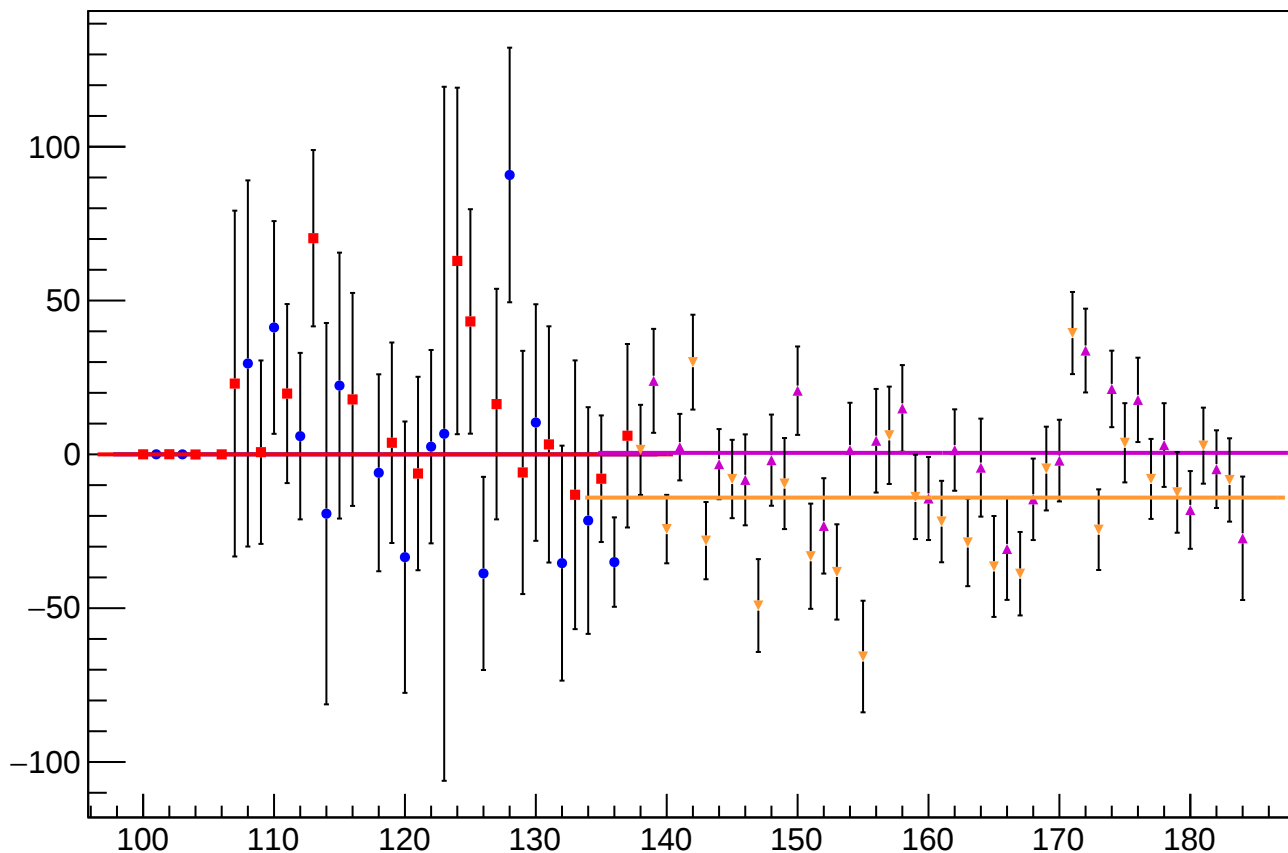
Right: 0.005+/-0.000 χ^2/NDF : 593891.3/35

In: 0.007+/-0.000 χ^2/NDF :2082334.7/39

Out: 0.007+/-0.000 χ^2/NDF :2120280.6/42

All: 0.007+/-0.000 χ^2/NDF : 4204742.9/82

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.017 χ^2 /NDF: 16.3/16

Left Out: -14.051 $\pm$ 2.831 χ^2 /NDF: 58.5/23

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: -6.969 $\pm$ 2.028 χ^2 /NDF: 100.0/46

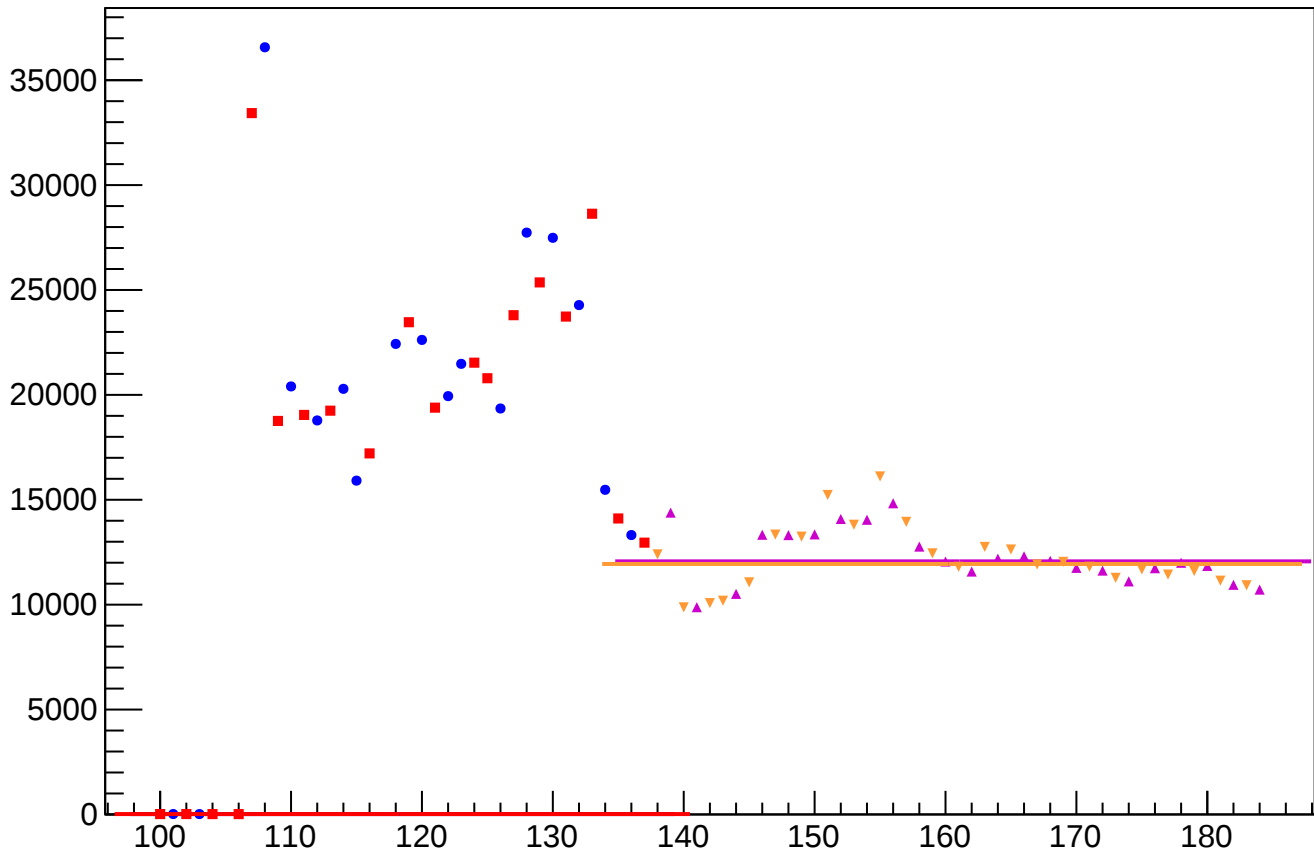
Right: 0.004 $\pm$ 0.012 χ^2 /NDF: 31.7/35

In: 0.013 $\pm$ 0.017 χ^2 /NDF: 45.0/39

Out: -0.004 $\pm$ 0.016 χ^2 /NDF: 98.0/42

All: 0.004 $\pm$ 0.012 χ^2 /NDF: 143.5/82

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.640+/-0.012 χ^2/NDF : 10799270.4/16

Left Out: 11940.146+/-2.002 χ^2/NDF : 465812.9/23

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: 12000.628+/-1.434 χ^2/NDF : 840272.8/46

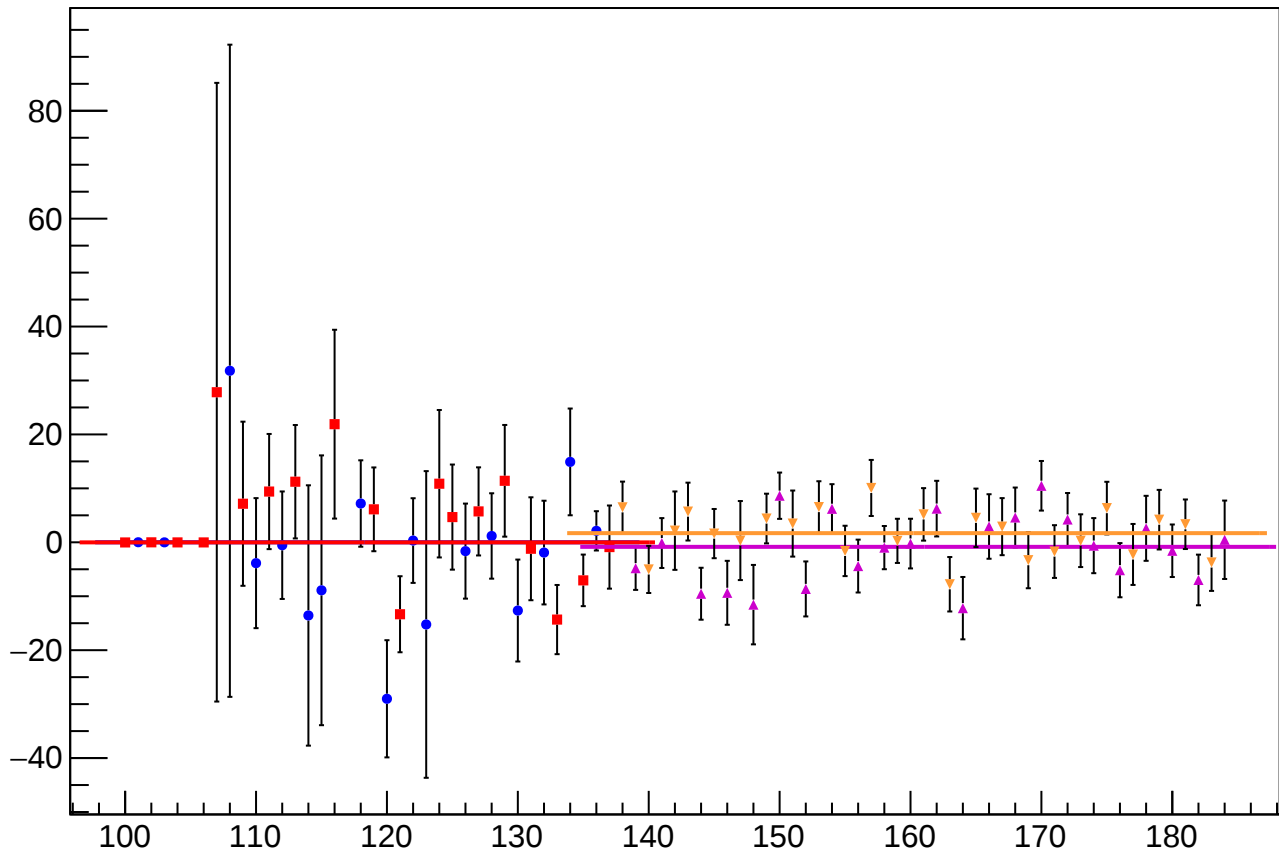
Right: 18.463+/-0.008 χ^2/NDF : 21855713.8/35

In: 19.069+/-0.012 χ^2/NDF : 45549762.6/39

Out: 18.695+/-0.011 χ^2/NDF : 46983749.0/42

All: 18.868+/-0.008 χ^2/NDF : 92534012.1/82

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 ± 0.009 $\chi^2/\text{NDF}: 14.6/16$

Left Out: 1.698 ± 1.033 $\chi^2/\text{NDF}: 17.3/23$

Right Out: -0.014 ± 0.009 $\chi^2/\text{NDF}: 18.6/18$

Left In: -0.843 ± 1.043 $\chi^2/\text{NDF}: 35.7/22$

Left: 0.441 ± 0.734 $\chi^2/\text{NDF}: 55.9/46$

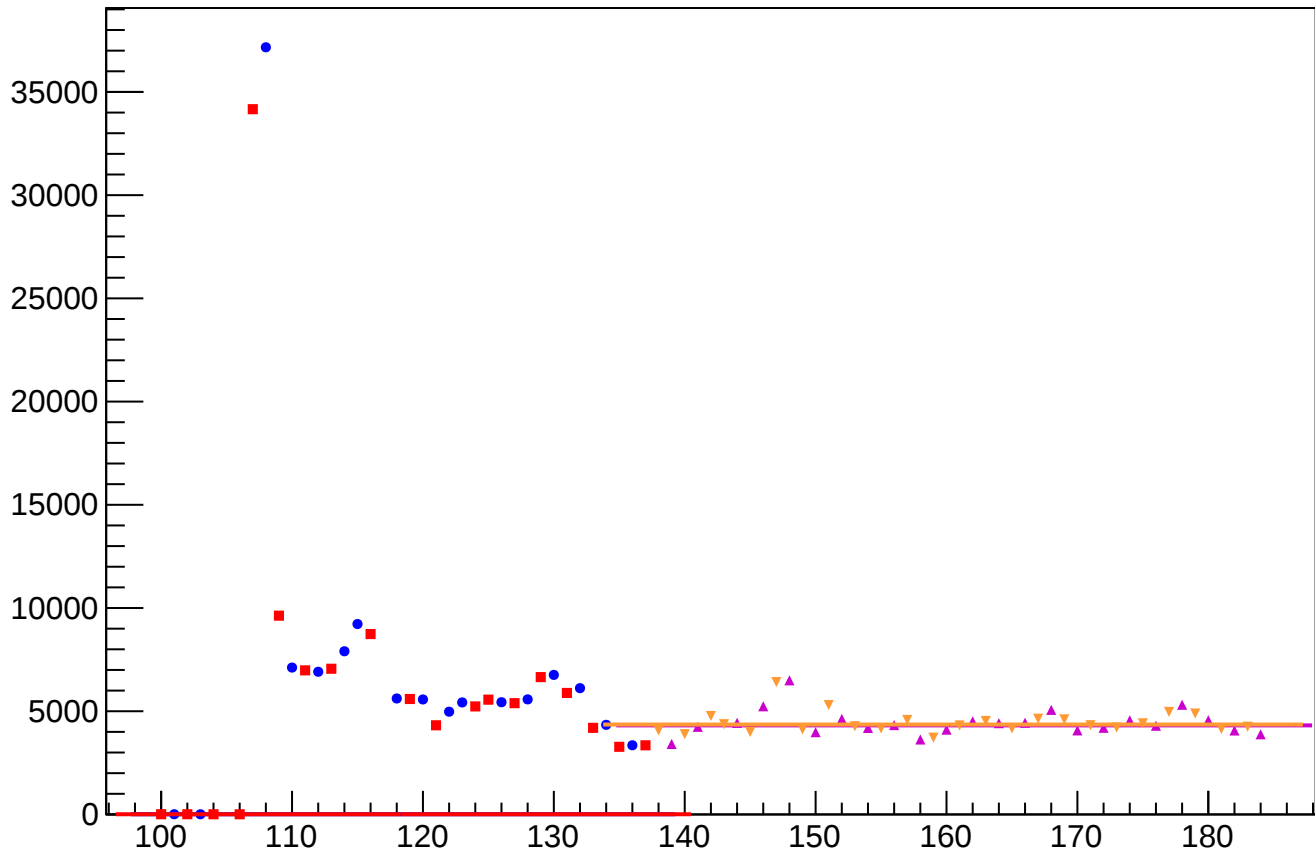
Right: -0.007 ± 0.006 $\chi^2/\text{NDF}: 34.6/35$

In: 0.001 ± 0.009 $\chi^2/\text{NDF}: 51.0/39$

Out: -0.014 ± 0.009 $\chi^2/\text{NDF}: 38.6/42$

All: -0.007 ± 0.006 $\chi^2/\text{NDF}: 91.0/82$

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 $\pm$ 0.007 χ^2 /NDF: 10926318.4/16

Left Out: 4356.094 $\pm$ 0.730 χ^2 /NDF:379661.1/23

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: 4335.542 $\pm$ 0.519 χ^2 /NDF: 915856.5/46

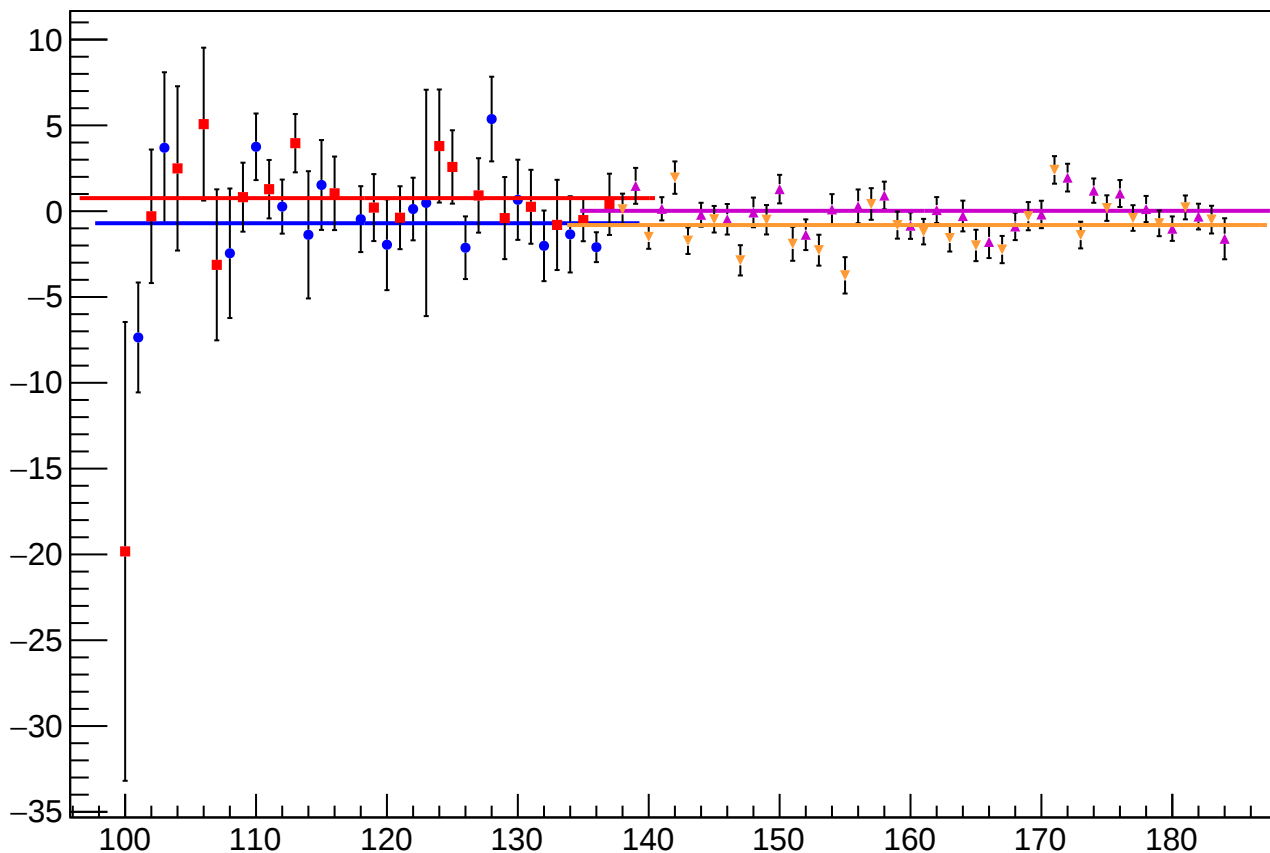
Right: 9.893 $\pm$ 0.004 χ^2 /NDF: 22032841.6/35

In: 10.273 $\pm$ 0.007 χ^2 /NDF:45522351.0/39

Out: 10.159 $\pm$ 0.006 χ^2 /NDF:46919827.5/42

All: 10.212 $\pm$ 0.004 χ^2 /NDF: 92442340.6/82

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.702 ± 0.485 $\chi^2/\text{NDF}: 22.5/16$

Left Out: -0.808 ± 0.166 $\chi^2/\text{NDF}: 58.5/23$

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: -0.403 ± 0.119 $\chi^2/\text{NDF}: 99.9/46$

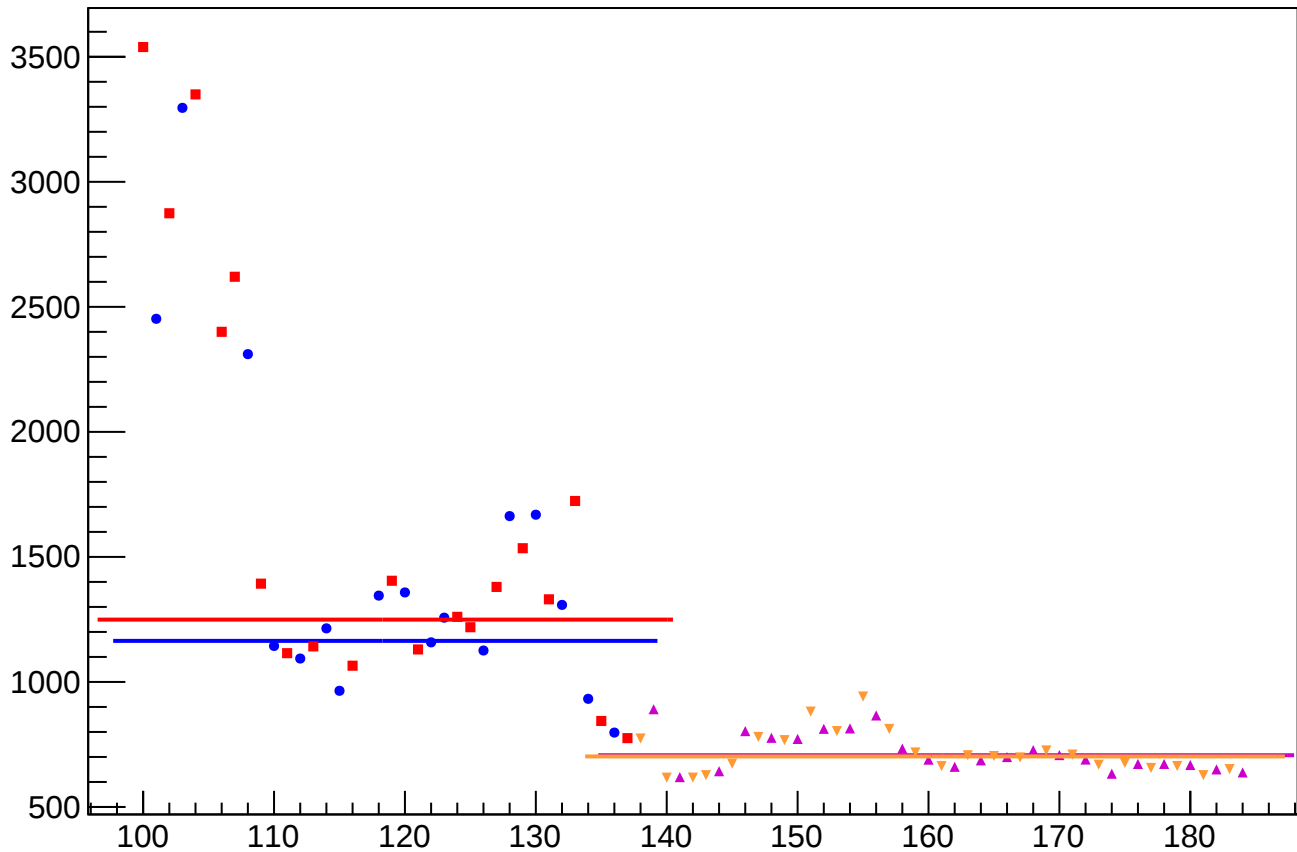
Right: 0.004 ± 0.349 $\chi^2/\text{NDF}: 38.6/35$

In: -0.059 ± 0.161 $\chi^2/\text{NDF}: 53.7/39$

Out: -0.653 ± 0.158 $\chi^2/\text{NDF}: 79.1/42$

All: -0.361 ± 0.113 $\chi^2/\text{NDF}: 139.8/82$

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.211+/-0.343 χ^2/NDF : 1586062.6/16

Left Out: 702.141+/-0.118 χ^2/NDF : 386949.8/23

Right Out: 1249.273+/-0.355 χ^2/NDF : 1649434.8/18

Left In: 706.950+/-0.120 χ^2/NDF : 338177.1/22

Left: 704.490+/-0.084 χ^2/NDF : 725944.2/46

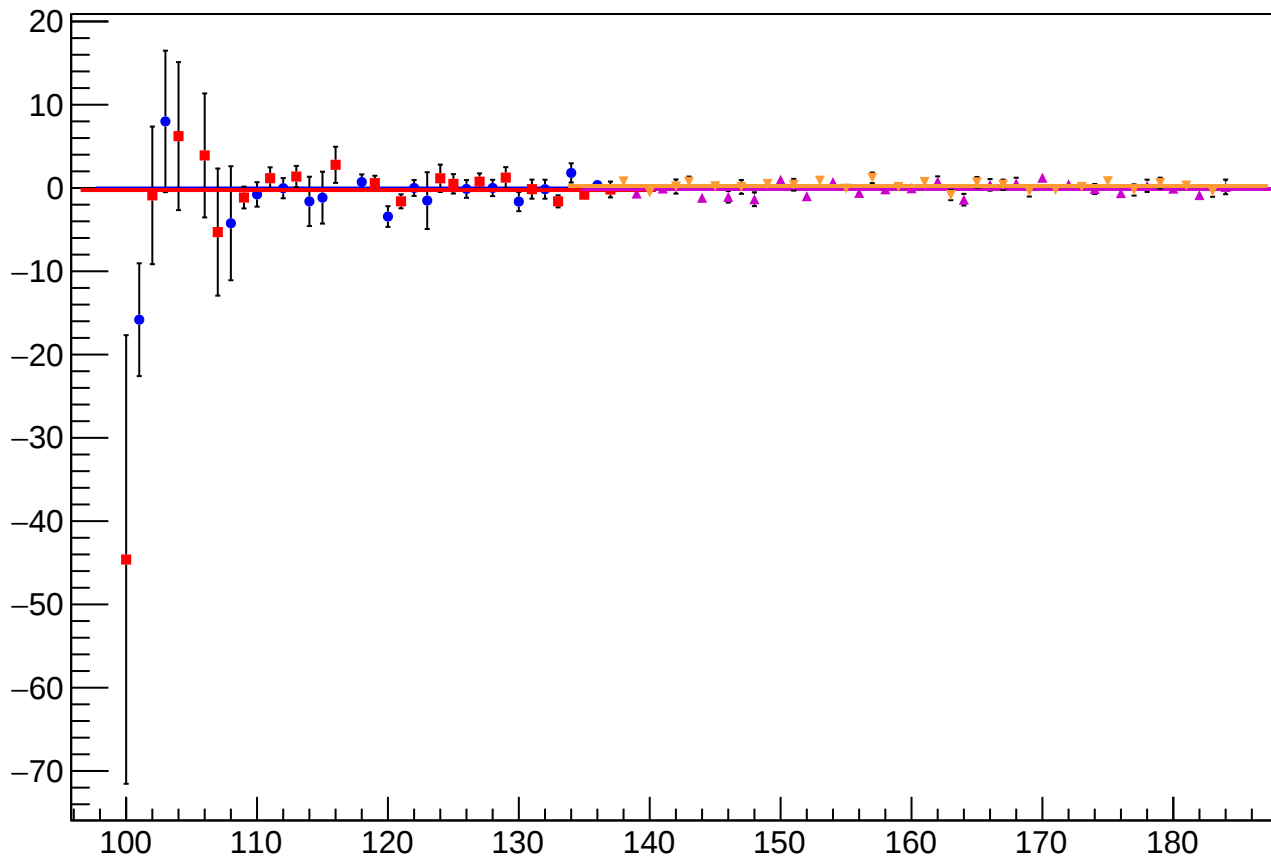
Right: 1205.271+/-0.247 χ^2/NDF : 3265191.3/35

In: 757.044+/-0.114 χ^2/NDF : 3507163.5/39

Out: 756.201+/-0.112 χ^2/NDF : 4176623.6/42

All: 756.615+/-0.080 χ^2/NDF : 7683815.2/82

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.060 ± 0.271 χ^2/NDF : 20.9/16

Left Out: 0.240 ± 0.124 χ^2/NDF : 16.8/23

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: 0.065 ± 0.088 χ^2/NDF : 55.9/46

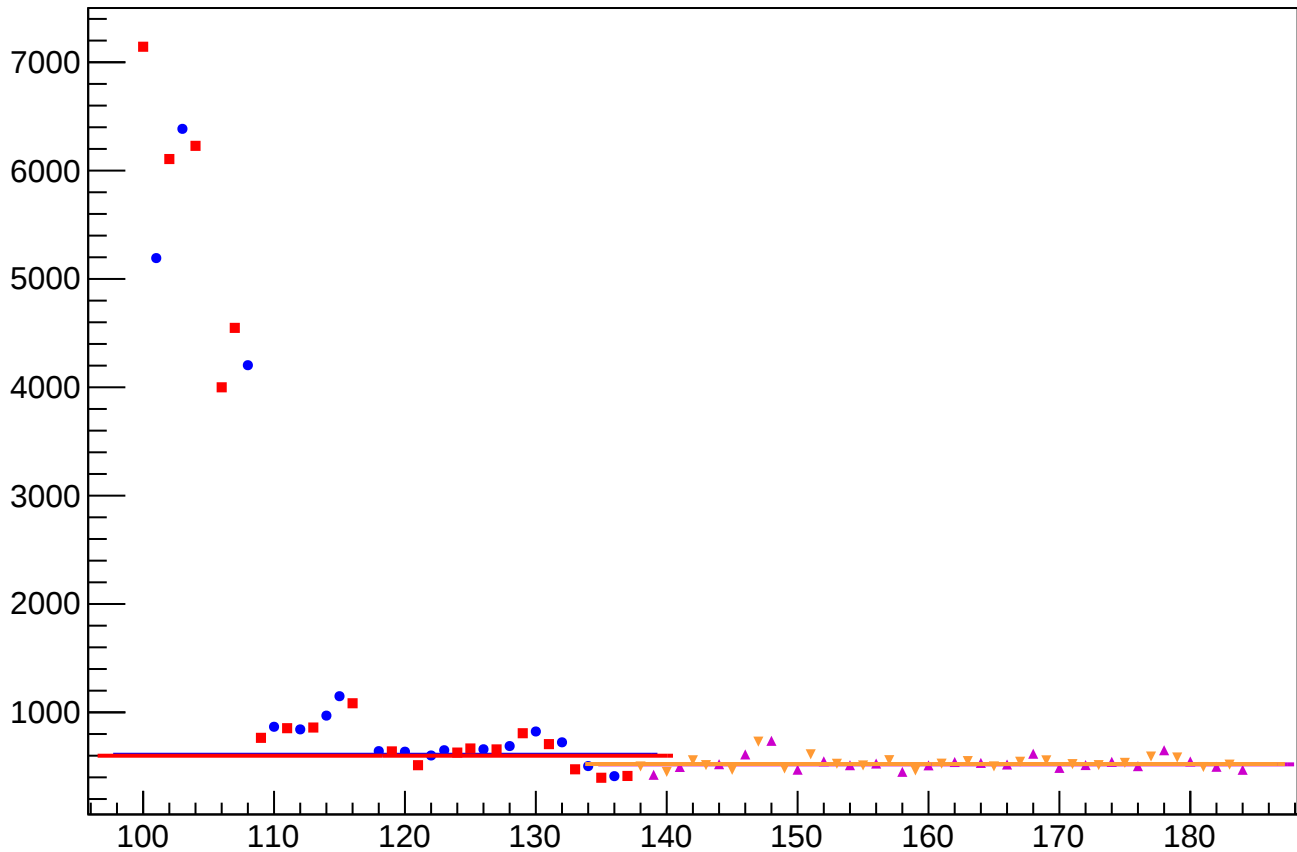
Right: -0.154 ± 0.189 χ^2/NDF : 41.9/35

In: -0.105 ± 0.114 χ^2/NDF : 55.9/39

Out: 0.153 ± 0.112 χ^2/NDF : 40.3/42

All: 0.026 ± 0.080 χ^2/NDF : 98.8/82

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 608.589 $\pm$ 0.191 χ^2 /NDF: 3137480.1/16

Left Out: 523.069 $\pm$ 0.088 χ^2 /NDF: 327720.2/23

Right Out: 599.715 $\pm$ 0.187 χ^2 /NDF: 3547458.7/18

Left In: 519.909 $\pm$ 0.089 χ^2 /NDF: 444746.3/22

Left: 521.510 $\pm$ 0.062 χ^2 /NDF: 773109.1/46

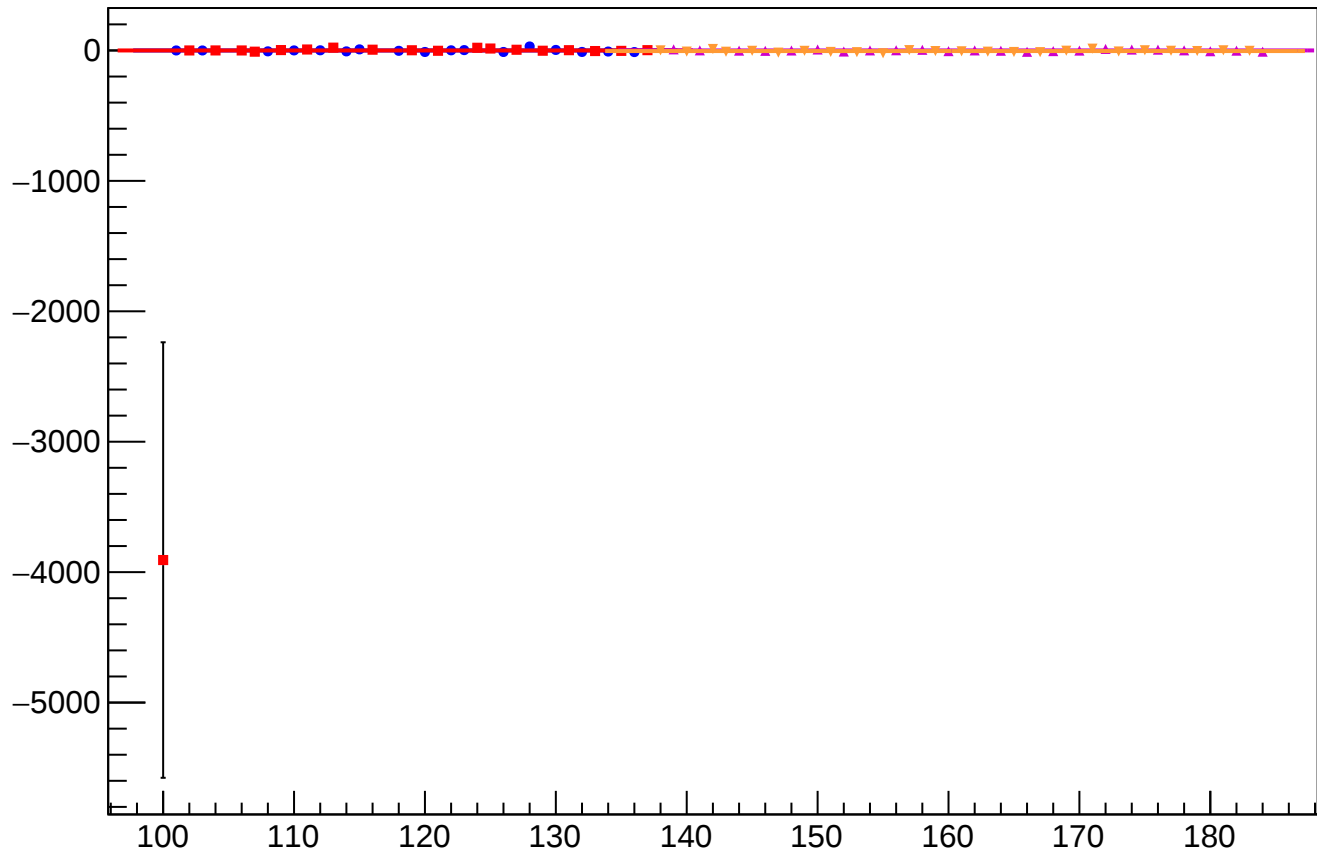
Right: 604.058 $\pm$ 0.134 χ^2 /NDF: 6686037.5/35

In: 535.609 $\pm$ 0.081 χ^2 /NDF: 3759040.3/39

Out: 536.824 $\pm$ 0.079 χ^2 /NDF: 4012618.8/42

All: 536.226 $\pm$ 0.057 χ^2 /NDF: 7771774.7/82

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 ± 0.021 χ^2/NDF : 15.6/16

Left Out: -4.677 ± 0.967 χ^2/NDF : 58.2/23

Right Out: 0.027 ± 0.020 χ^2/NDF : 16.8/18

Left In: 0.193 ± 0.990 χ^2/NDF : 29.2/22

Left: -2.299 ± 0.692 χ^2/NDF : 99.9/46

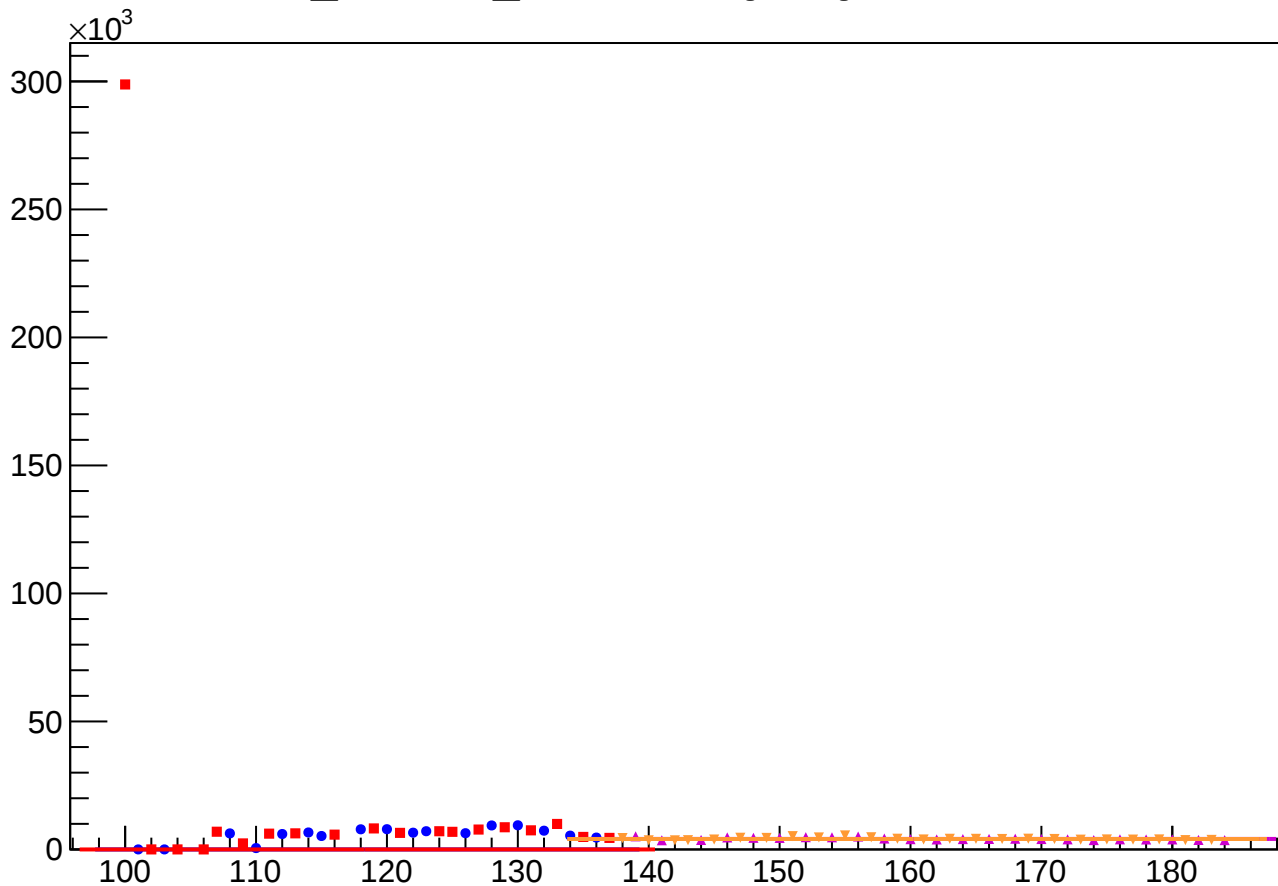
Right: 0.004 ± 0.014 χ^2/NDF : 35.3/35

In: -0.022 ± 0.021 χ^2/NDF : 44.9/39

Out: 0.025 ± 0.020 χ^2/NDF : 98.7/42

All: 0.003 ± 0.014 χ^2/NDF : 146.2/82

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.335 ± 0.015 $\chi^2/\text{NDF}: 10315348.6/16$

Left Out: 4083.365 ± 0.684 $\chi^2/\text{NDF}: 409568.2/23$

Right Out: 17.267 ± 0.014 $\chi^2/\text{NDF}: 10766587.2/18$

Left In: 4113.744 ± 0.700 $\chi^2/\text{NDF}: 354965.8/22$

Left: 4098.198 ± 0.489 $\chi^2/\text{NDF}: 765497.3/46$

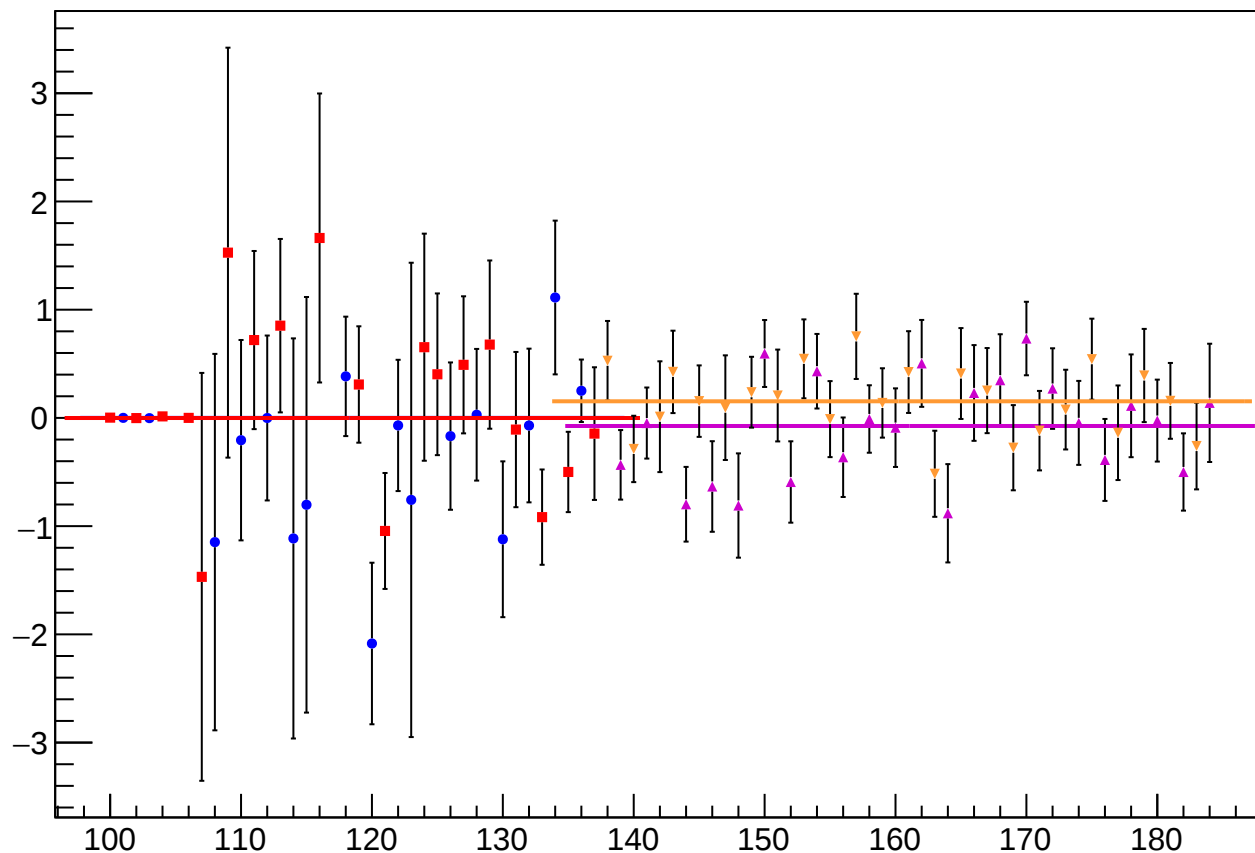
Right: 17.299 ± 0.010 $\chi^2/\text{NDF}: 21081947.2/35$

In: 19.141 ± 0.015 $\chi^2/\text{NDF}: 44884597.1/39$

Out: 18.966 ± 0.014 $\chi^2/\text{NDF}: 46509042.7/42$

All: 19.049 ± 0.010 $\chi^2/\text{NDF}: 91393714.1/82$

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 χ^2/NDF : 15.3/16

Left Out: 0.154 ± 0.077 χ^2/NDF : 15.9/23

Right Out: -0.001 ± 0.002 χ^2/NDF : 18.1/18

Left In: -0.075 ± 0.078 χ^2/NDF : 34.8/22

Left: 0.041 ± 0.055 χ^2/NDF : 55.0/46

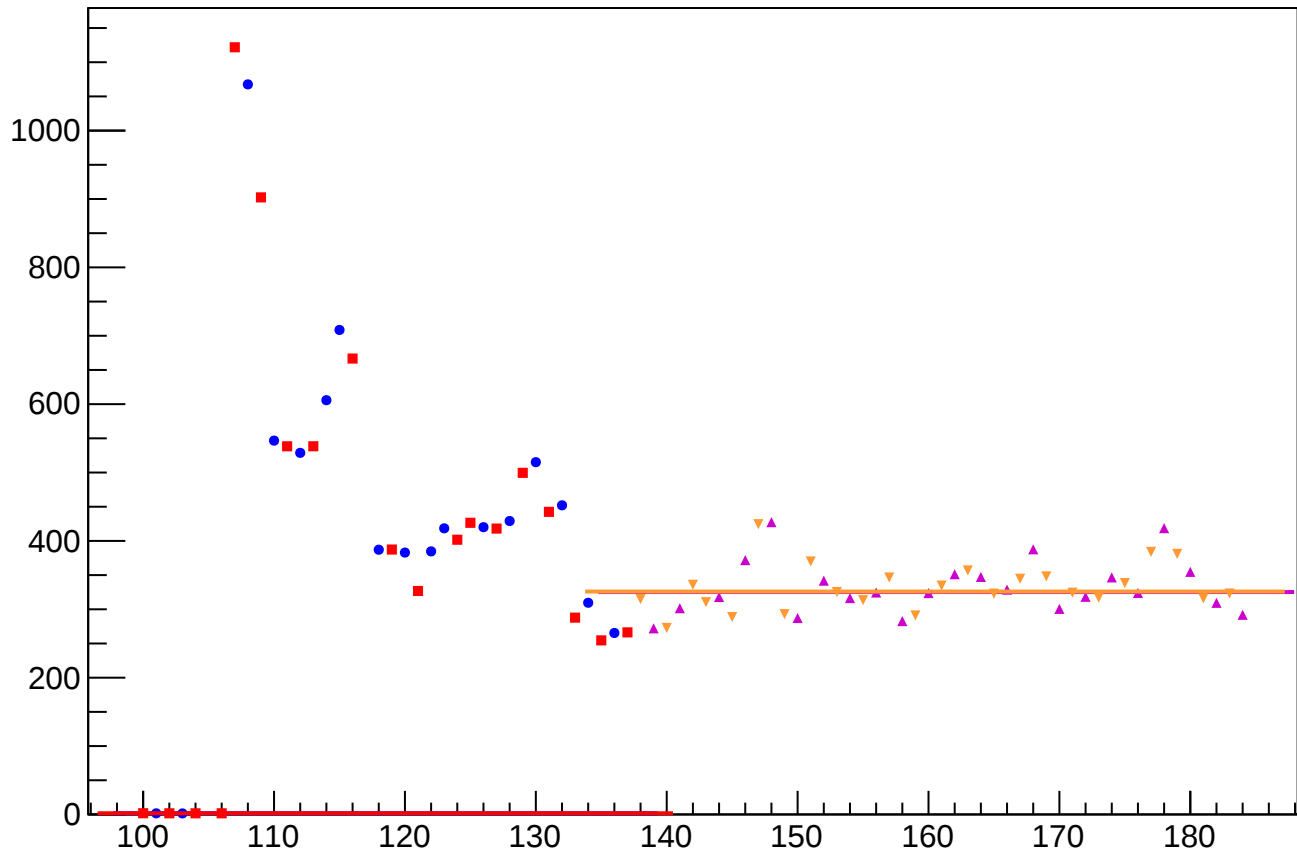
Right: -0.000 ± 0.001 χ^2/NDF : 33.5/35

In: 0.000 ± 0.002 χ^2/NDF : 51.1/39

Out: -0.001 ± 0.002 χ^2/NDF : 38.0/42

All: -0.000 ± 0.001 χ^2/NDF : 89.2/82

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 ± 0.001 $\chi^2/\text{NDF}: 10864983.9/16$

Left Out: 325.975 ± 0.055 $\chi^2/\text{NDF}: 345471.6/23$

Right Out: 1.728 ± 0.001 $\chi^2/\text{NDF}: 10690594.4/18$

Left In: 325.201 ± 0.055 $\chi^2/\text{NDF}: 428069.7/22$

Left: 325.594 ± 0.039 $\chi^2/\text{NDF}: 773640.3/46$

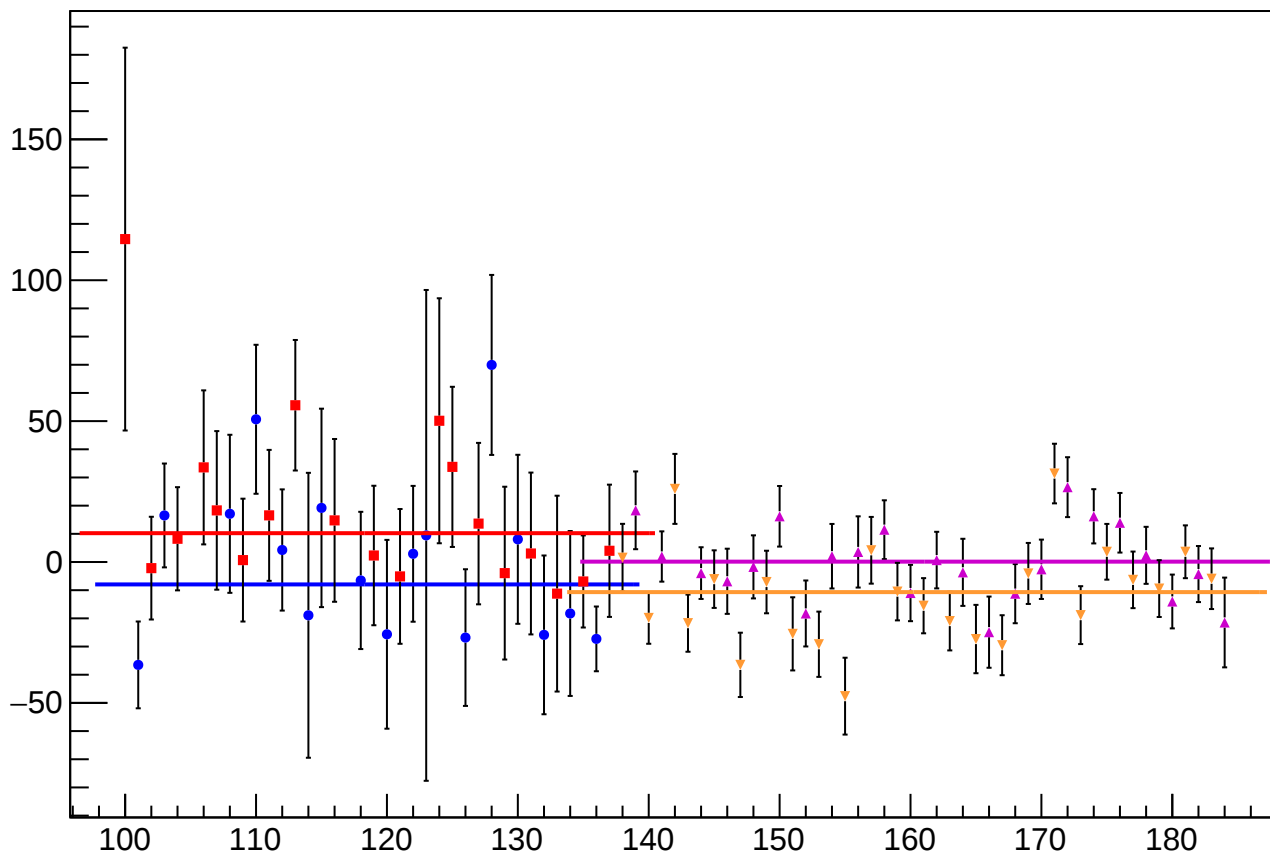
Right: 1.714 ± 0.001 $\chi^2/\text{NDF}: 21555805.2/35$

In: 1.914 ± 0.001 $\chi^2/\text{NDF}: 45268449.8/39$

Out: 1.932 ± 0.001 $\chi^2/\text{NDF}: 46287399.0/42$

All: 1.923 ± 0.001 $\chi^2/\text{NDF}: 91555939.3/82$

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.952 $\pm$ 5.639 χ^2/NDF : 22.6/16

Left Out: -10.680 $\pm$ 2.192 χ^2/NDF : 58.0/23

Right Out: 10.233 $\pm$ 5.692 χ^2/NDF : 11.7/18

Left In: 0.130 $\pm$ 2.242 χ^2/NDF : 29.8/22

Left: -5.397 $\pm$ 1.567 χ^2/NDF : 99.7/46

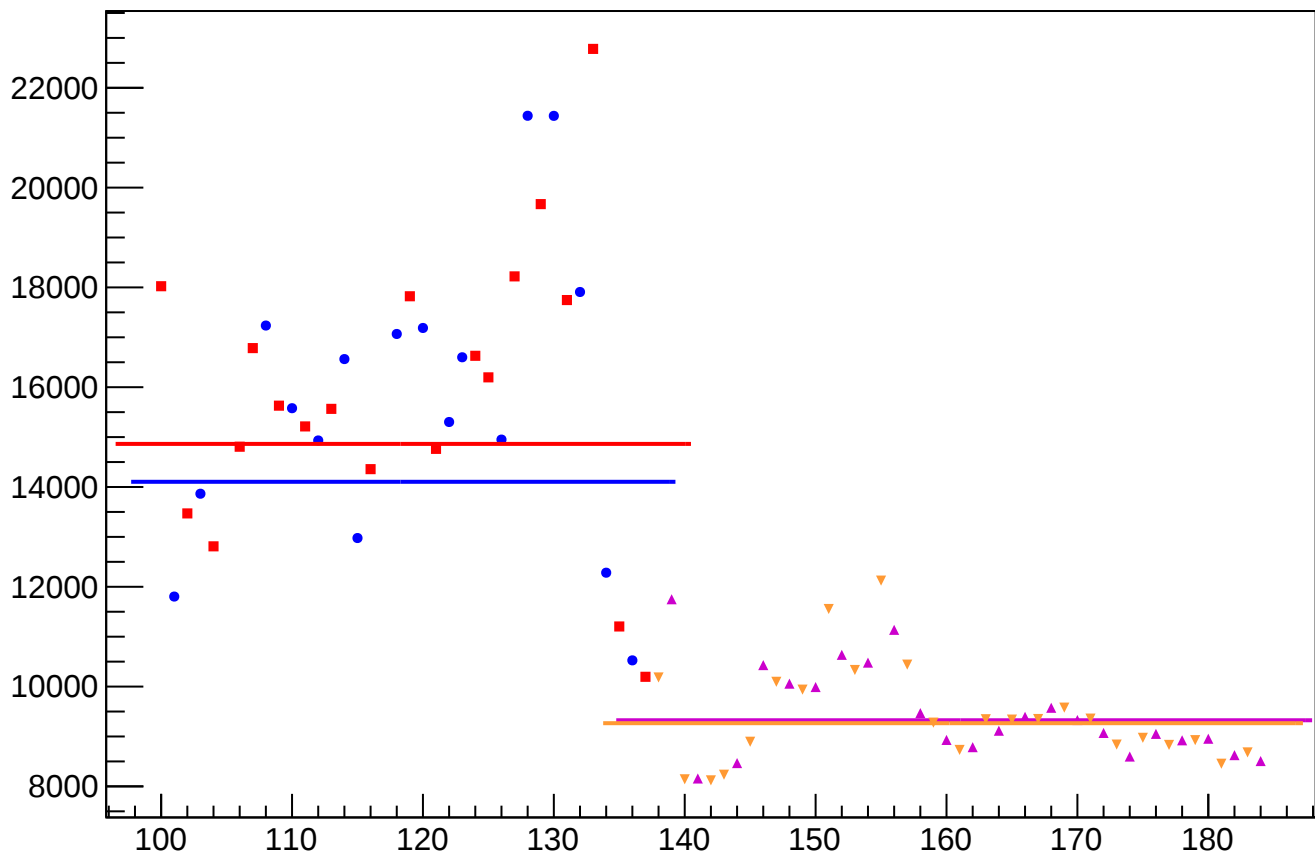
Right: 1.054 $\pm$ 4.006 χ^2/NDF : 39.4/35

In: -0.974 $\pm$ 2.084 χ^2/NDF : 54.2/39

Out: -7.979 $\pm$ 2.046 χ^2/NDF : 81.4/42

All: -4.541 $\pm$ 1.460 χ^2/NDF : 141.4/82

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14104.125 $\pm$ 3.987 χ^2 /NDF: 604857.2/16

Left Out: 9266.173 $\pm$ 1.550 χ^2 /NDF:326887.4/23

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: 9294.977 $\pm$ 1.108 χ^2 /NDF: 608521.7/46

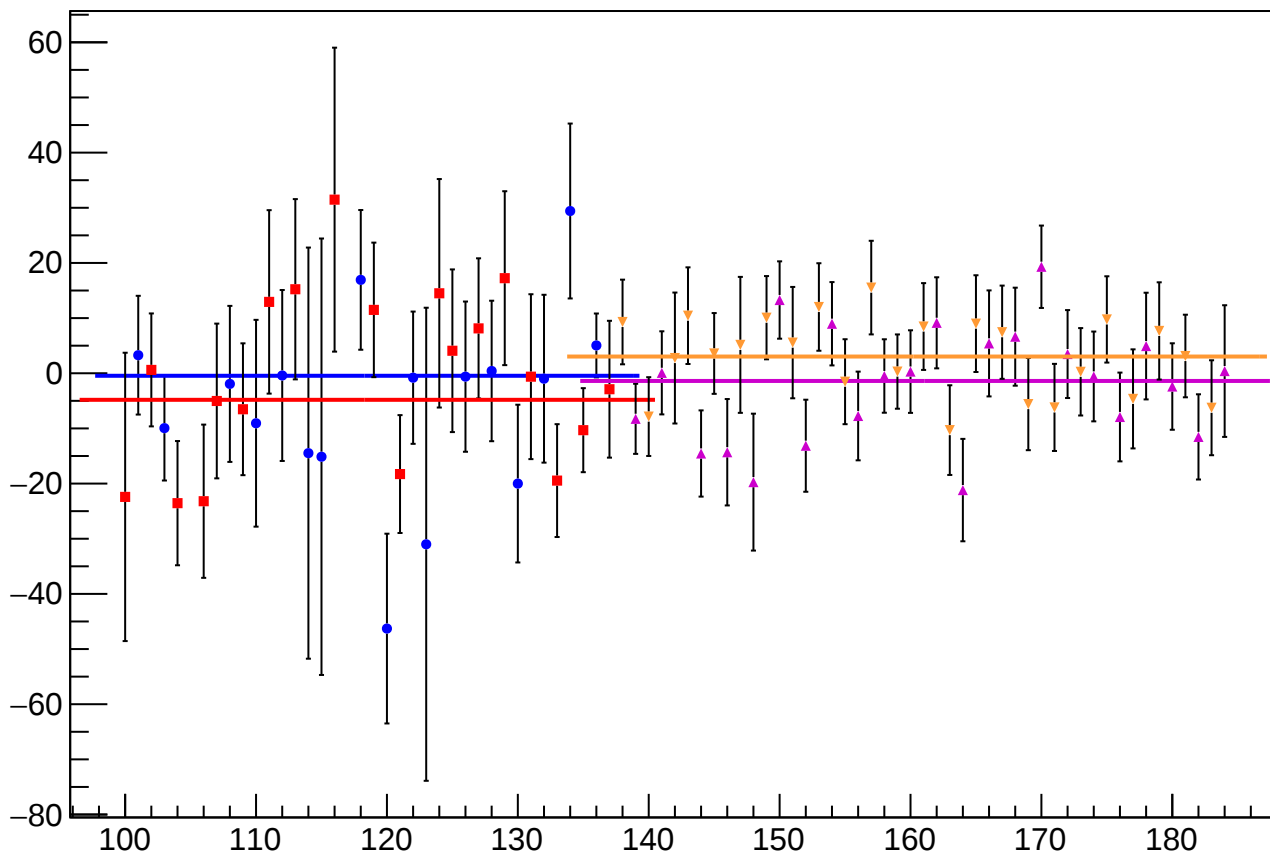
Right: 14480.230 $\pm$ 2.833 χ^2 /NDF: 1094929.4/35

In: 9977.610 $\pm$ 1.473 χ^2 /NDF:2126281.2/39

Out: 9989.061 $\pm$ 1.447 χ^2 /NDF:2483043.7/42

All: 9983.440 $\pm$ 1.032 χ^2 /NDF: 4609355.7/82

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.456 $\pm$ 3.089 χ^2/NDF : 17.4/16

Left Out: 3.033 $\pm$ 1.677 χ^2/NDF :18.0/23

Right Out: -4.814 $\pm$ 2.946 χ^2/NDF : 19.9/18

Left In: -1.394 $\pm$ 1.693 χ^2/NDF :35.4/22

Left: 0.840 $\pm$ 1.192 χ^2/NDF : 56.8/46

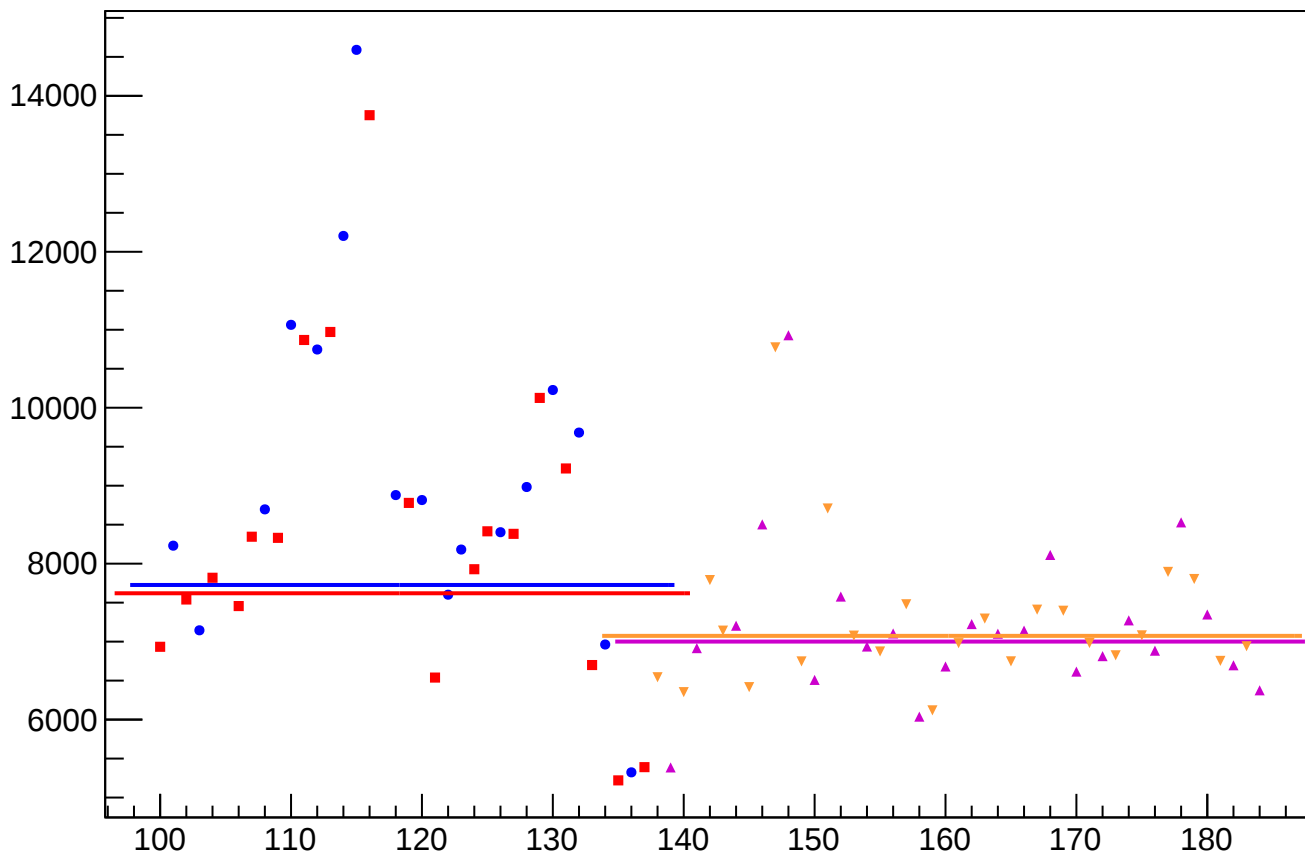
Right: -2.739 $\pm$ 2.132 χ^2/NDF : 38.4/35

In: -1.178 $\pm$ 1.485 χ^2/NDF :52.9/39

Out: 1.112 $\pm$ 1.457 χ^2/NDF :43.3/42

All: -0.012 $\pm$ 1.040 χ^2/NDF : 97.4/82

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.613+/-2.184 χ^2/NDF : 742603.6/16

Left Out: 7073.887+/-1.186 χ^2/NDF : 383629.5/23

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: 7037.559+/-0.843 χ^2/NDF : 935553.6/46

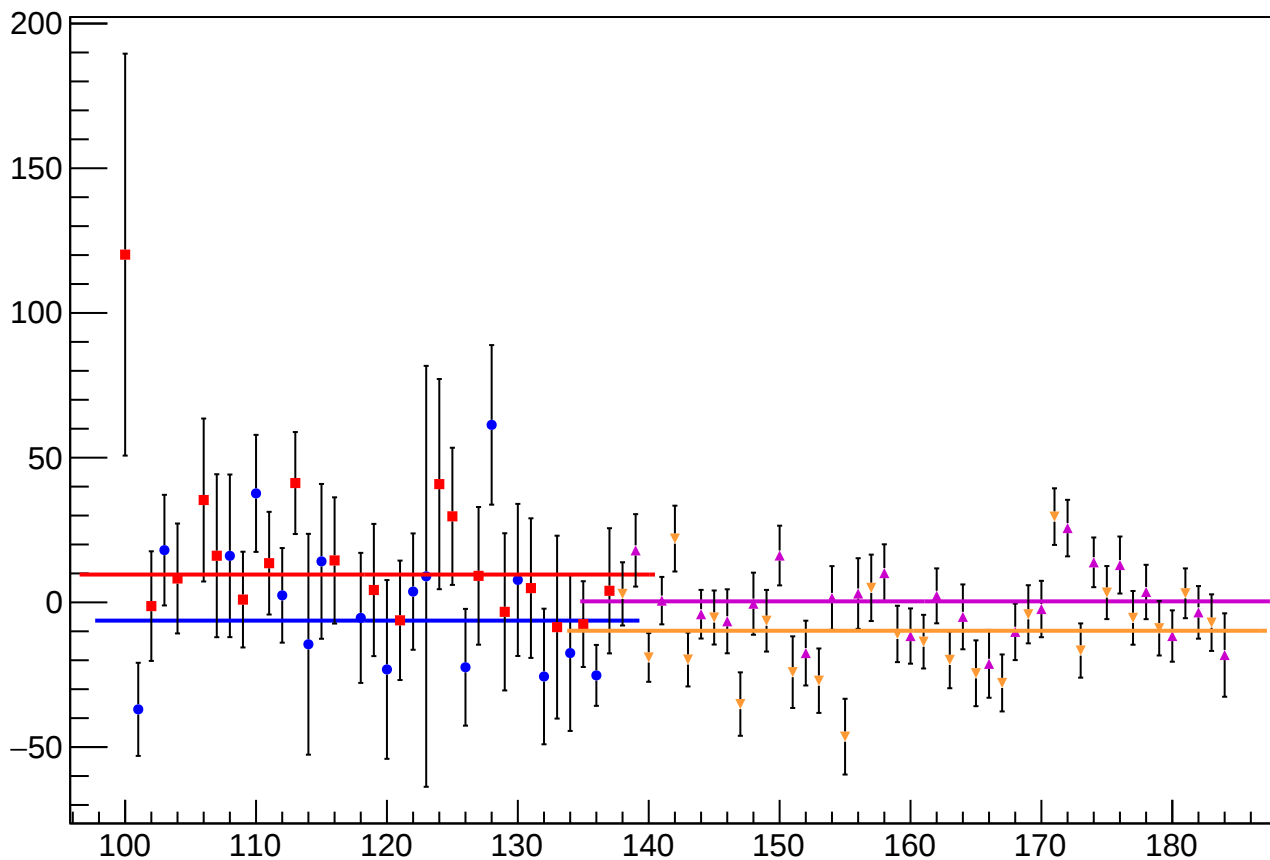
Right: 7670.830+/-1.508 χ^2/NDF : 1423049.2/35

In: 7168.258+/-1.050 χ^2/NDF : 1377591.2/39

Out: 7207.593+/-1.031 χ^2/NDF : 1114760.9/42

All: 7188.291+/-0.735 χ^2/NDF : 2493067.0/82

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.303 ± 5.045 $\chi^2/\text{NDF}: 23.2/16$

Left Out: -9.804 ± 2.043 $\chi^2/\text{NDF}: 58.5/23$

Right Out: 9.614 ± 5.013 $\chi^2/\text{NDF}: 11.5/18$

Left In: 0.353 ± 2.092 $\chi^2/\text{NDF}: 29.6/22$

Left: -4.846 ± 1.462 $\chi^2/\text{NDF}: 100.2/46$

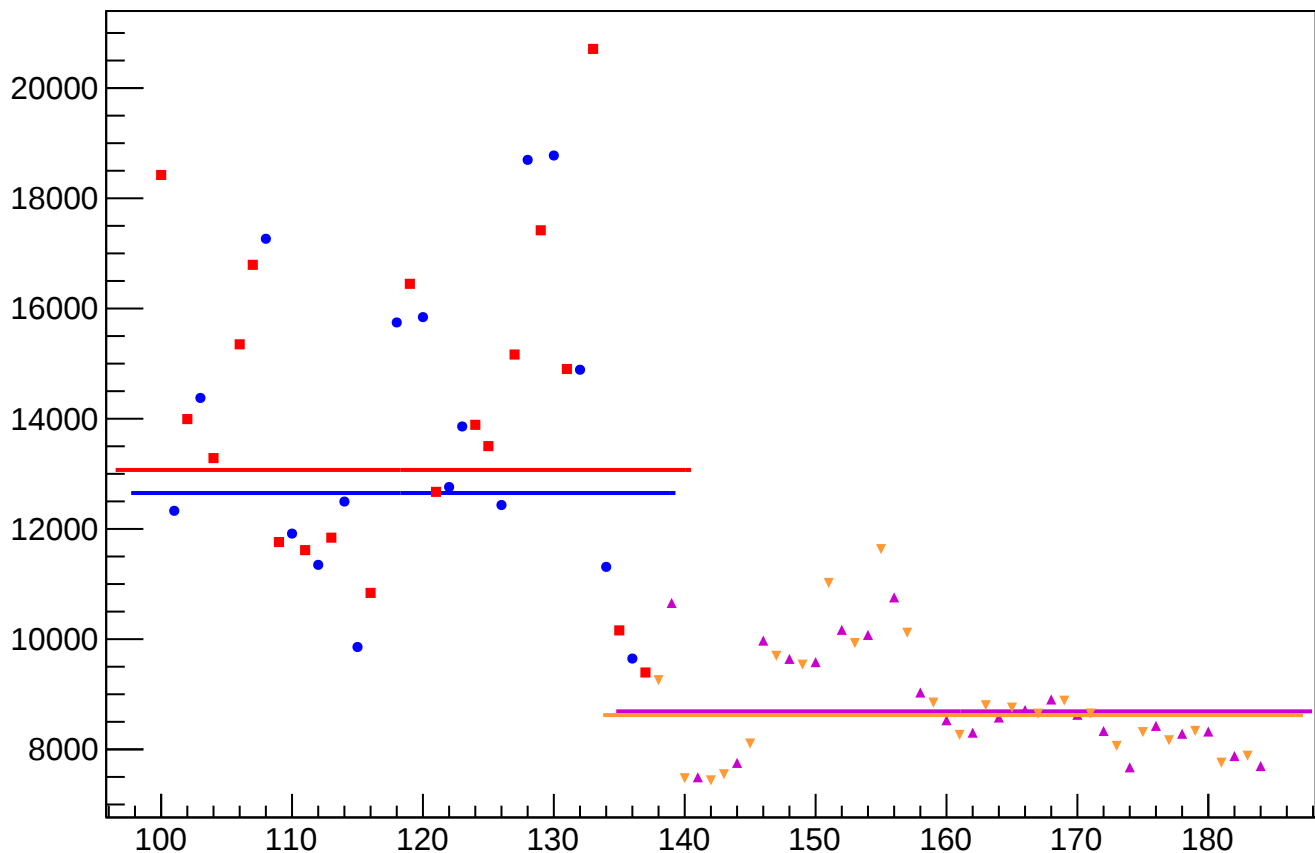
Right: 1.707 ± 3.556 $\chi^2/\text{NDF}: 39.6/35$

In: -0.623 ± 1.933 $\chi^2/\text{NDF}: 54.3/39$

Out: -7.038 ± 1.892 $\chi^2/\text{NDF}: 82.8/42$

All: -3.899 ± 1.352 $\chi^2/\text{NDF}: 142.7/82$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12652.101+/-3.567 χ^2/NDF : 559356.1/16

Left Out: 8622.595+/-1.445 χ^2/NDF : 428703.8/23

Right Out: 13070.799+/-3.545 χ^2/NDF : 498063.2/18

Left In: 8690.209+/-1.479 χ^2/NDF : 370834.1/22

Left: 8655.596+/-1.034 χ^2/NDF : 800607.1/46

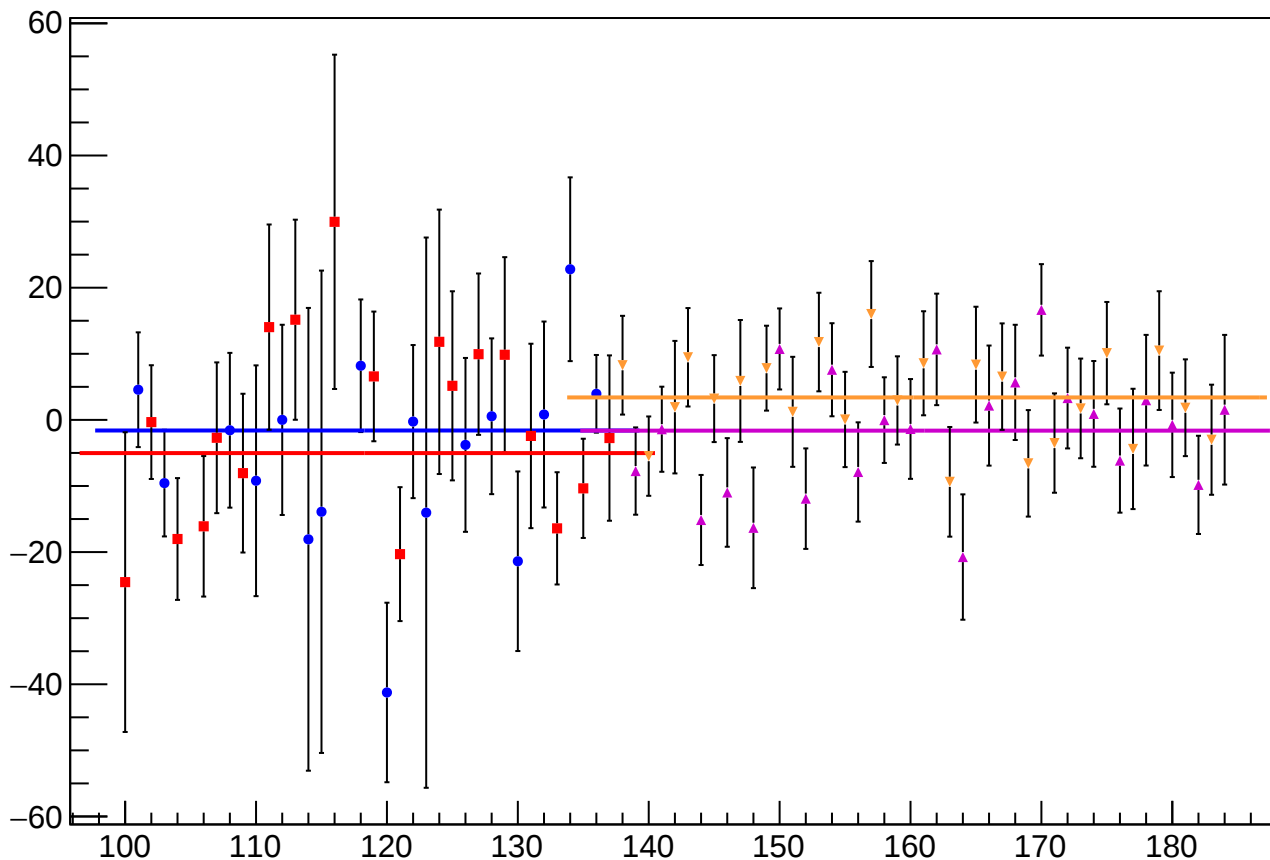
Right: 12862.791+/-2.515 χ^2/NDF : 1064350.7/35

In: 9271.568+/-1.367 χ^2/NDF : 1982546.7/39

Out: 9256.145+/-1.338 χ^2/NDF : 2277214.6/42

All: 9263.693+/-0.956 χ^2/NDF : 4259826.4/82

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.604 ± 2.811 χ^2/NDF : 17.8/16

Left Out: 3.398 ± 1.568 χ^2/NDF : 16.3/23

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: 0.934 ± 1.120 χ^2/NDF : 54.8/46

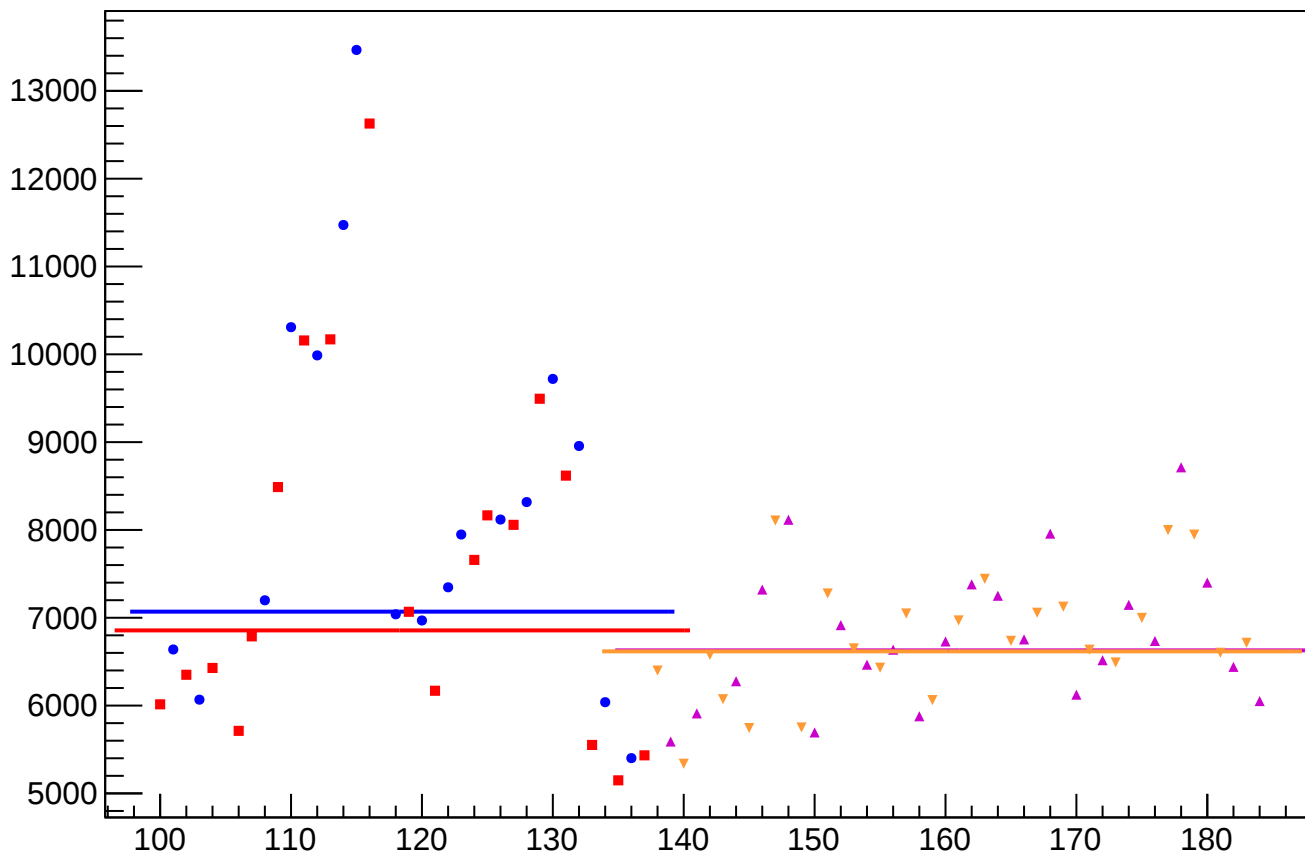
Right: -3.416 ± 1.927 χ^2/NDF : 37.7/35

In: -1.621 ± 1.390 χ^2/NDF : 51.2/39

Out: 1.210 ± 1.349 χ^2/NDF : 43.0/42

All: -0.164 ± 0.968 χ^2/NDF : 96.4/82

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7069.683+/-1.988 χ^2/NDF : 601725.0/16

Left Out: 6617.628+/-1.109 χ^2/NDF : 394481.8/23

Right Out: 6856.143+/-1.872 χ^2/NDF : 686407.0/18

Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

Left: 6623.034+/-0.792 χ^2/NDF : 824812.5/46

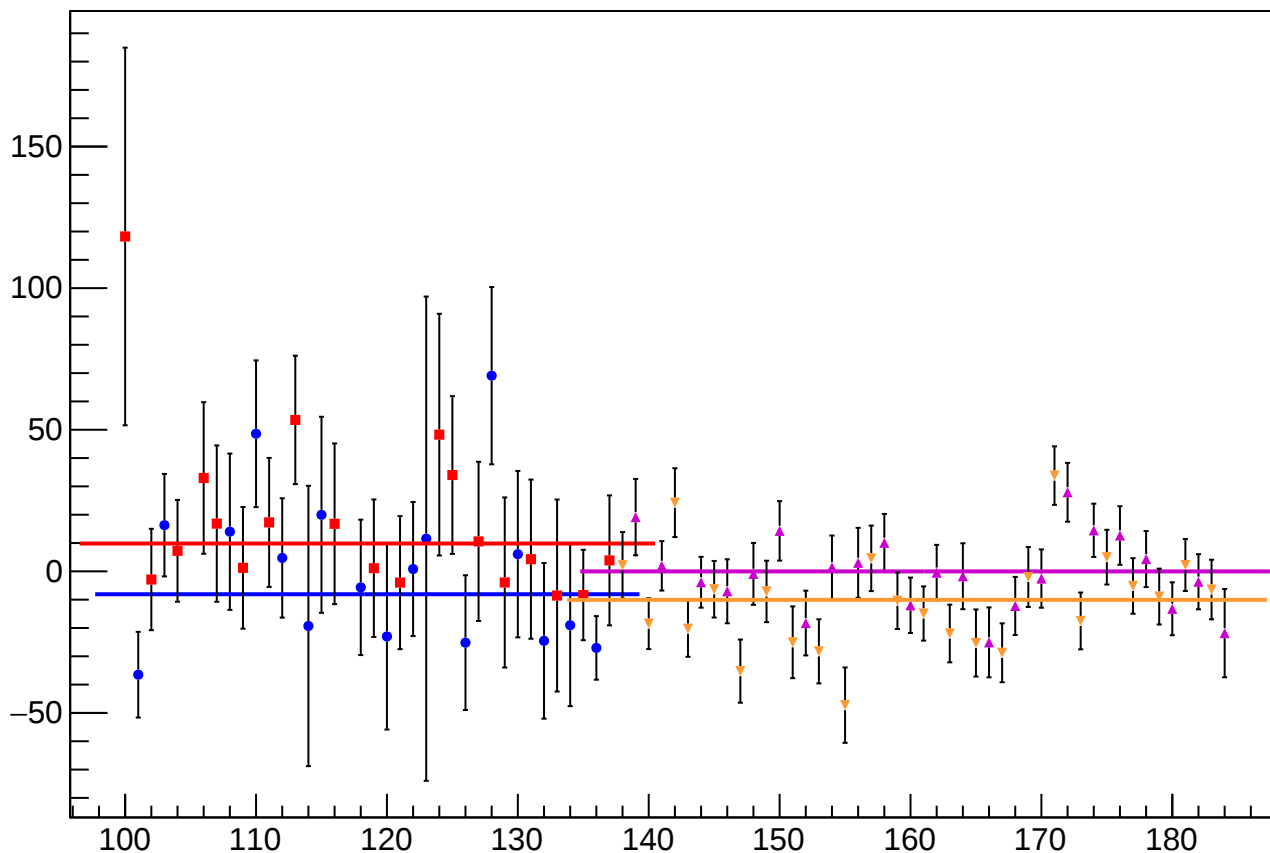
Right: 6956.503+/-1.363 χ^2/NDF : 1294250.1/35

In: 6736.493+/-0.983 χ^2/NDF : 1069205.3/39

Out: 6679.615+/-0.954 χ^2/NDF : 1092908.6/42

All: 6707.211+/-0.685 χ^2/NDF : 2163838.2/82

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -8.084 ± 5.527 χ^2/NDF : 22.4/16

Left Out: -10.074 ± 2.143 χ^2/NDF : 59.9/23

Right Out: 9.828 ± 5.581 χ^2/NDF : 12.0/18

Left In: -0.019 ± 2.192 χ^2/NDF : 30.6/22

Left: -5.160 ± 1.532 χ^2/NDF : 101.3/46

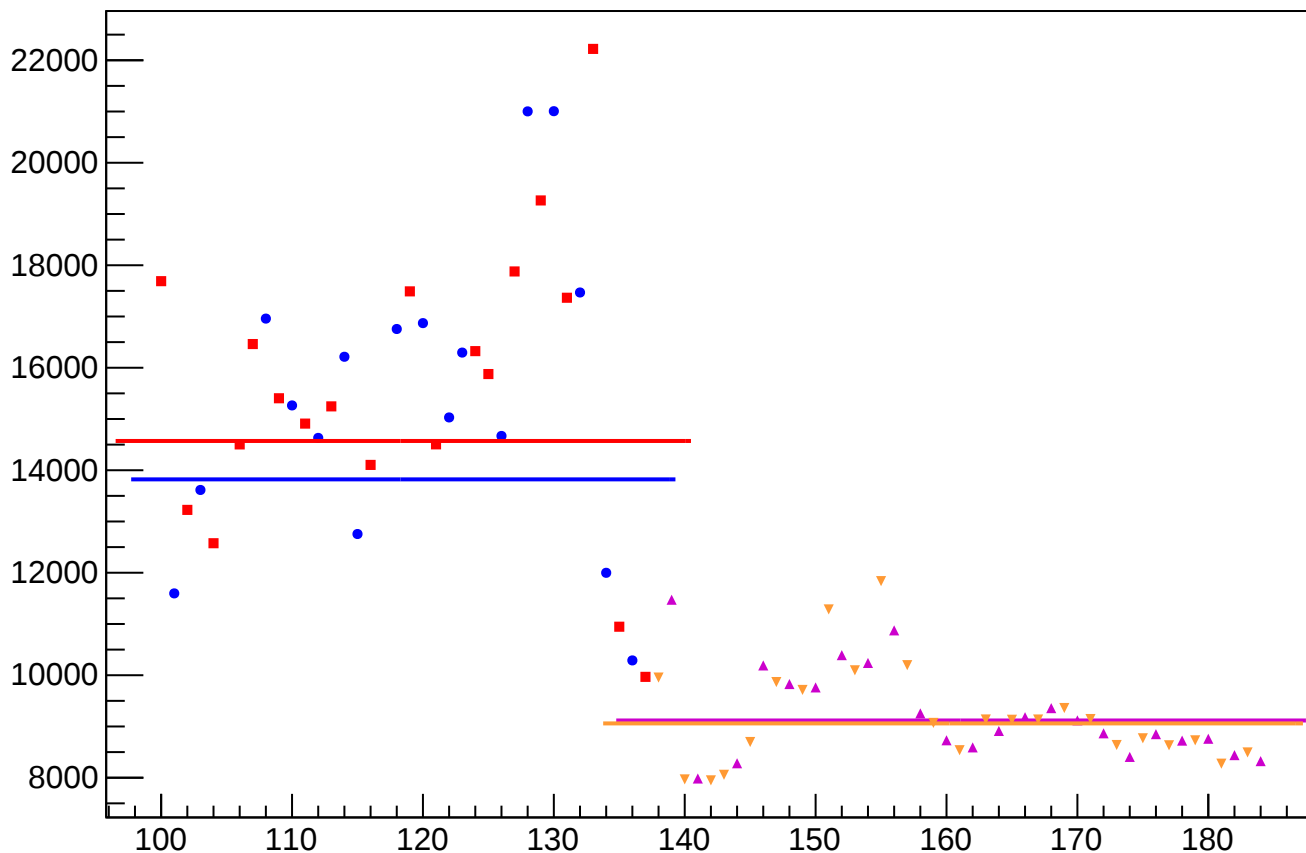
Right: 0.784 ± 3.927 χ^2/NDF : 39.6/35

In: -1.116 ± 2.038 χ^2/NDF : 54.9/39

Out: -7.517 ± 2.001 χ^2/NDF : 83.0/42

All: -4.375 ± 1.428 χ^2/NDF : 142.9/82

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.849 $\pm$ 3.908 χ^2 /NDF: 607967.7/16

Left Out: 9059.733 $\pm$ 1.515 χ^2 /NDF:323182.8/23

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: 9087.682 $\pm$ 1.084 χ^2 /NDF: 601473.6/46

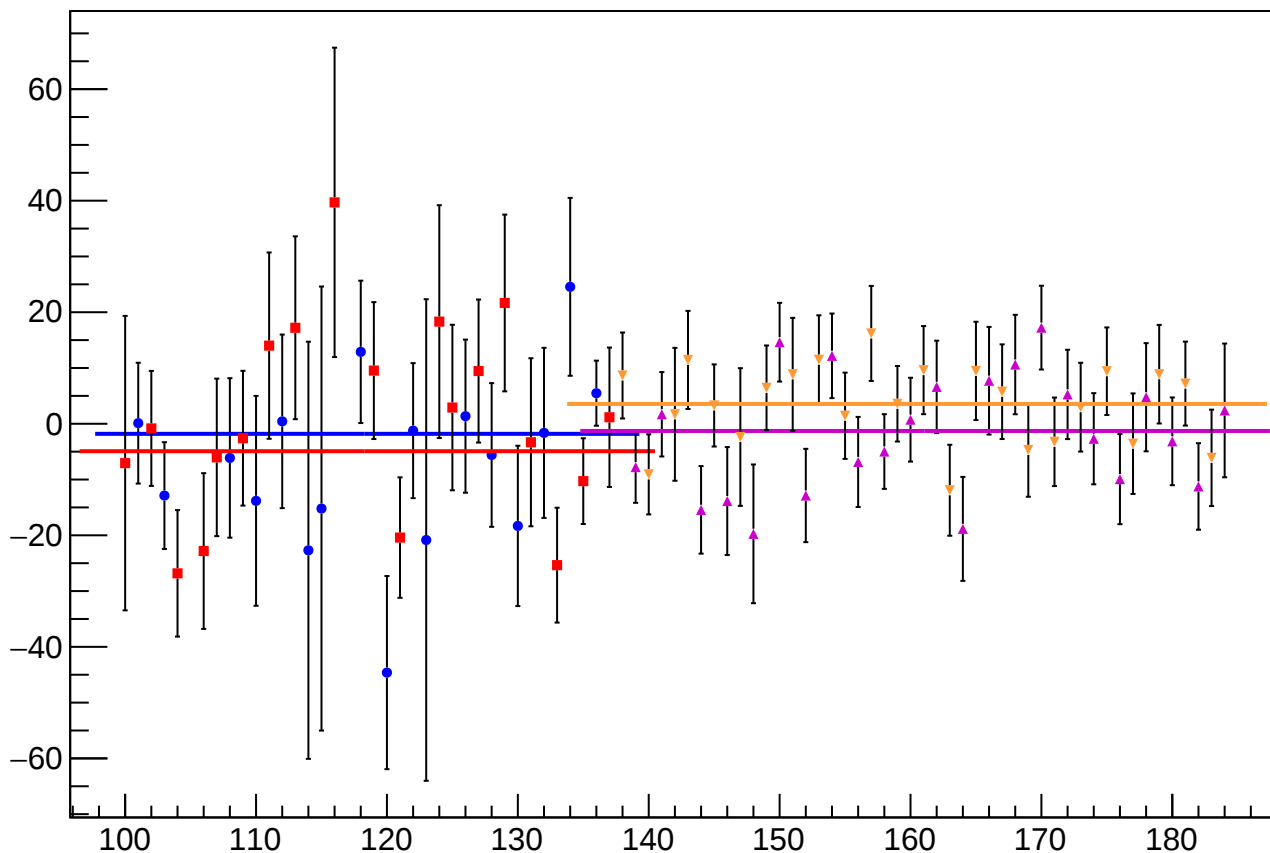
Right: 14192.864 $\pm$ 2.777 χ^2 /NDF: 1100124.5/35

In: 9756.463 $\pm$ 1.441 χ^2 /NDF:2138049.0/39

Out: 9768.045 $\pm$ 1.415 χ^2 /NDF:2497092.0/42

All: 9762.360 $\pm$ 1.009 χ^2 /NDF: 4635173.8/82

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -1.806 $\pm$ 3.112 χ^2/NDF : 15.7/16

Left Out: 3.555 $\pm$ 1.684 χ^2/NDF : 17.7/23

Right Out: -4.921 $\pm$ 2.968 χ^2/NDF : 25.0/18

Left In: -1.291 $\pm$ 1.701 χ^2/NDF : 36.5/22

Left: 1.156 $\pm$ 1.197 χ^2/NDF : 58.4/46

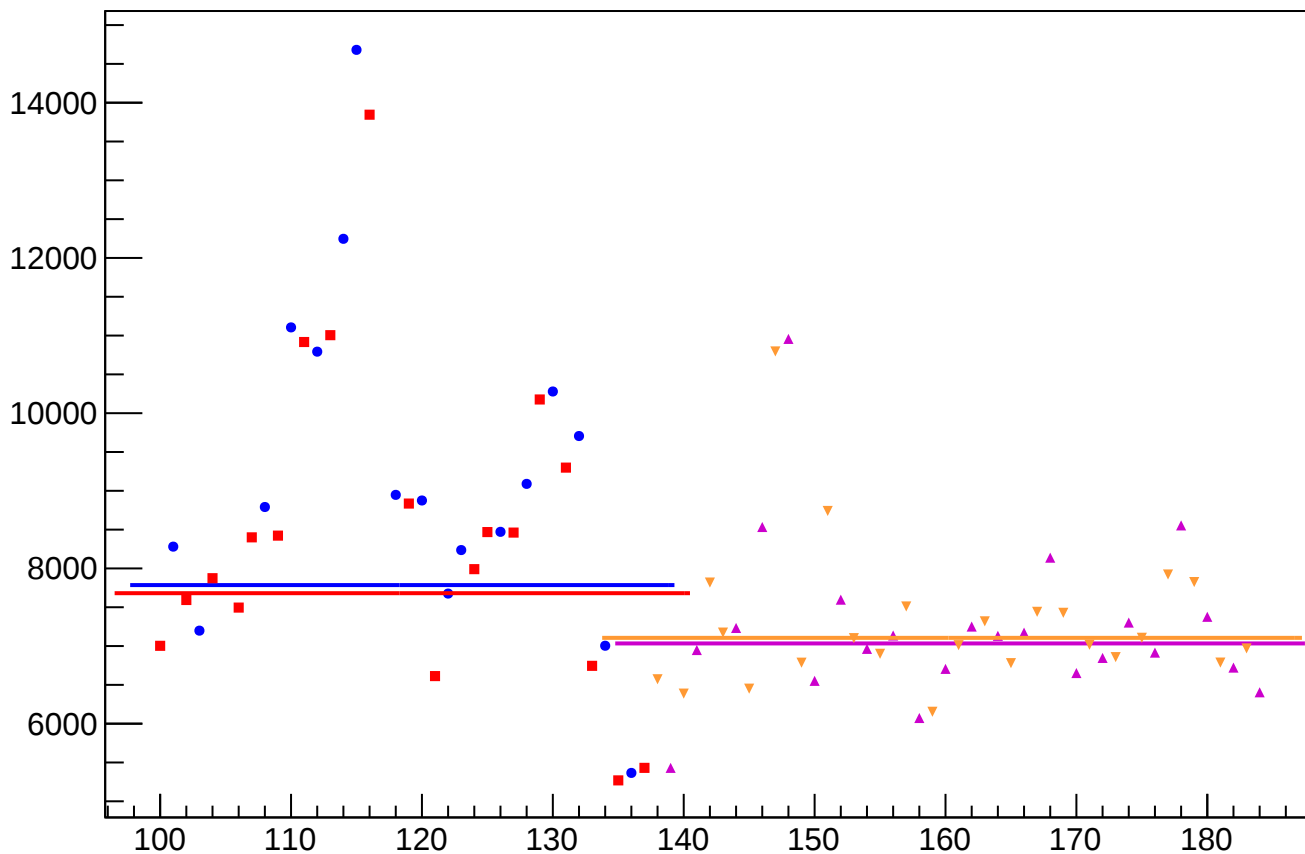
Right: -3.437 $\pm$ 2.148 χ^2/NDF : 41.2/35

In: -1.409 $\pm$ 1.493 χ^2/NDF : 52.3/39

Out: 1.491 $\pm$ 1.465 χ^2/NDF : 48.9/42

All: 0.068 $\pm$ 1.046 χ^2/NDF : 103.1/82

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.499+/-2.201 χ^2 /NDF: 738102.3/16

Left Out: 7105.756+/-1.191 χ^2 /NDF:378812.5/23

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: 7070.079+/-0.846 χ^2 /NDF: 921660.1/46

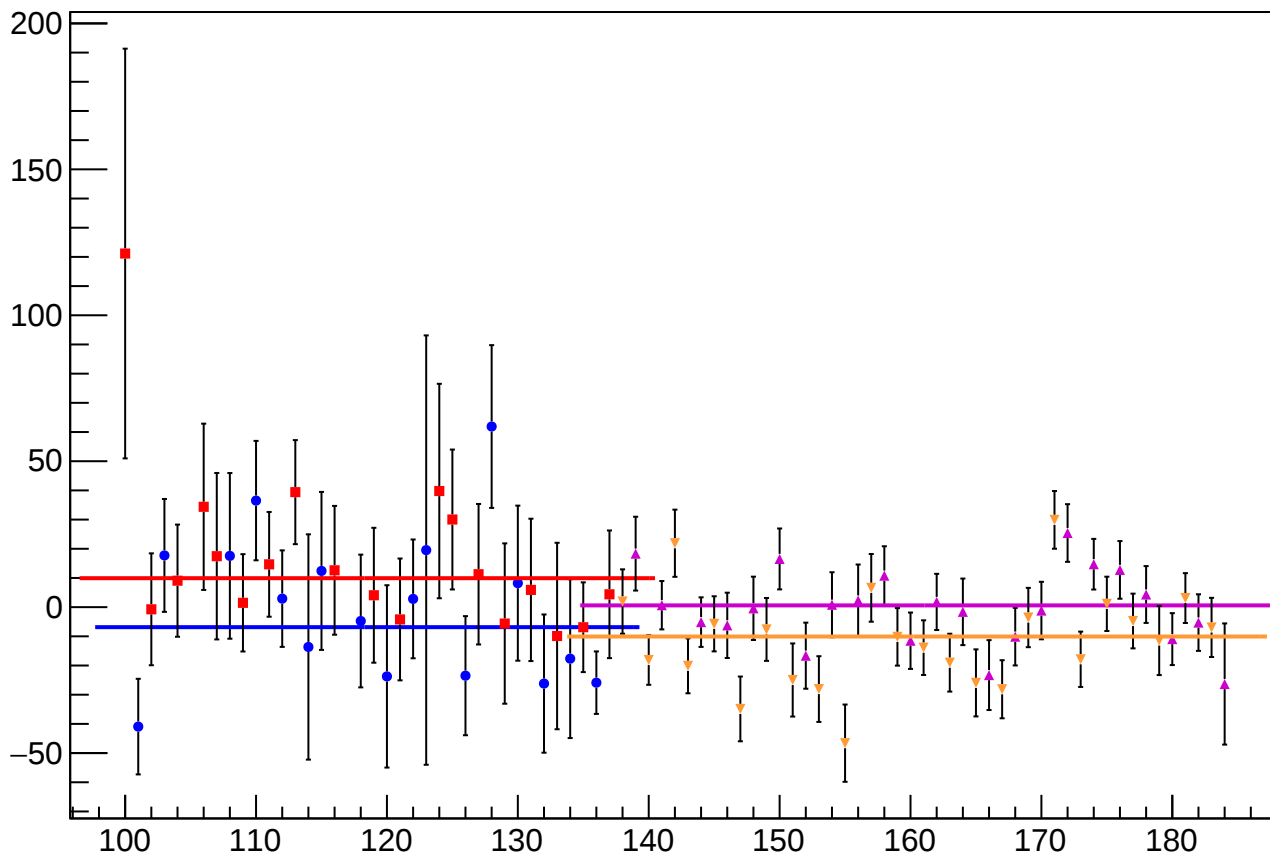
Right: 7730.818+/-1.519 χ^2 /NDF: 1412011.3/35

In: 7206.612+/-1.055 χ^2 /NDF:1369005.3/39

Out: 7245.879+/-1.036 χ^2 /NDF:1108367.2/42

All: 7226.611+/-0.739 χ^2 /NDF: 2478077.6/82

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.855 $\pm$ 5.113 χ^2/NDF : 23.8/16

Left Out: -10.068 $\pm$ 2.083 χ^2/NDF : 57.7/23

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: -4.865 $\pm$ 1.491 χ^2/NDF : 100.2/46

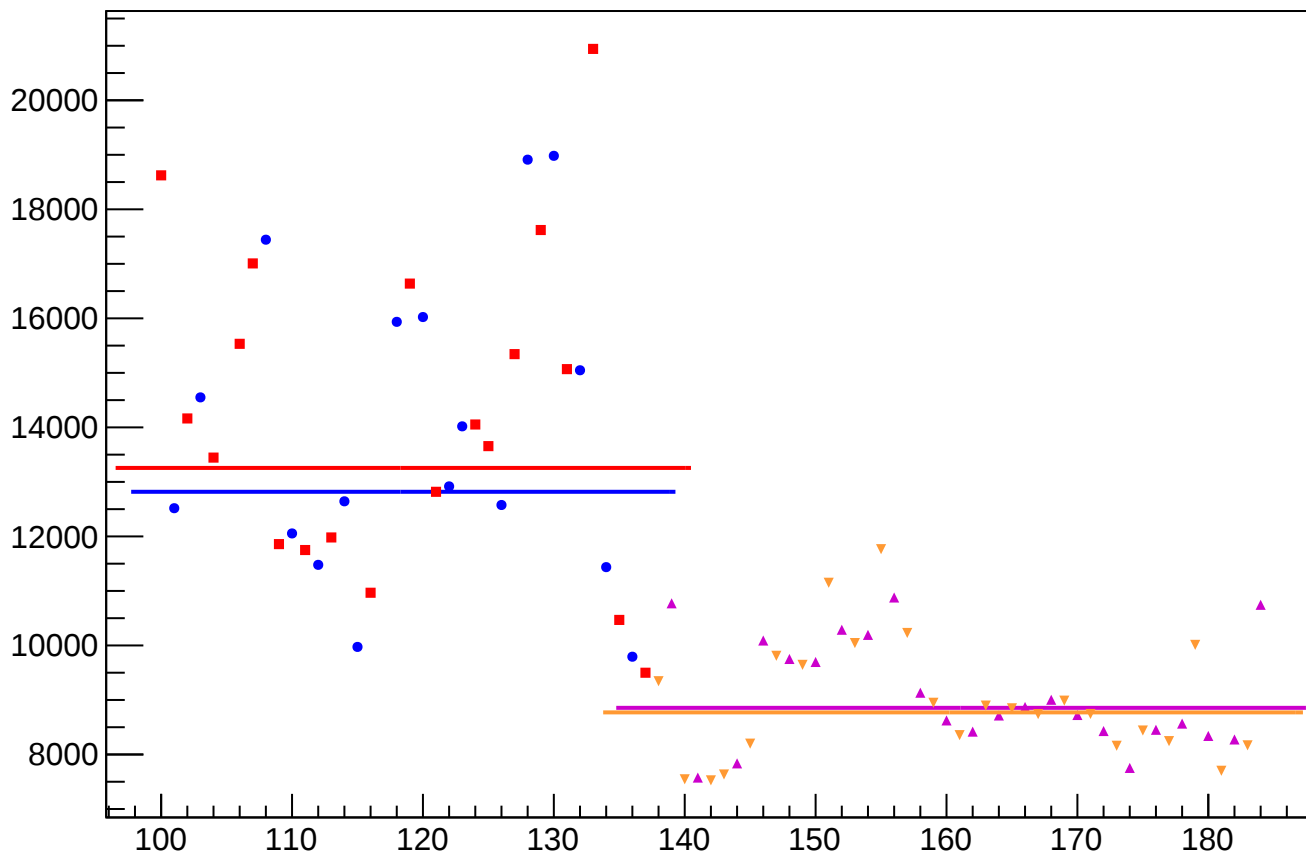
Right: 1.580 $\pm$ 3.605 χ^2/NDF : 39.8/35

In: -0.508 $\pm$ 1.970 χ^2/NDF : 55.2/39

Out: -7.194 $\pm$ 1.928 χ^2/NDF : 81.6/42

All: -3.924 $\pm$ 1.378 χ^2/NDF : 142.7/82

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12818.610 $\pm$ 3.615 χ^2 /NDF: 553065.0/16

Left Out: 8772.175 $\pm$ 1.473 χ^2 /NDF: 452950.0/23

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: 8812.861 $\pm$ 1.054 χ^2 /NDF: 822056.5/46

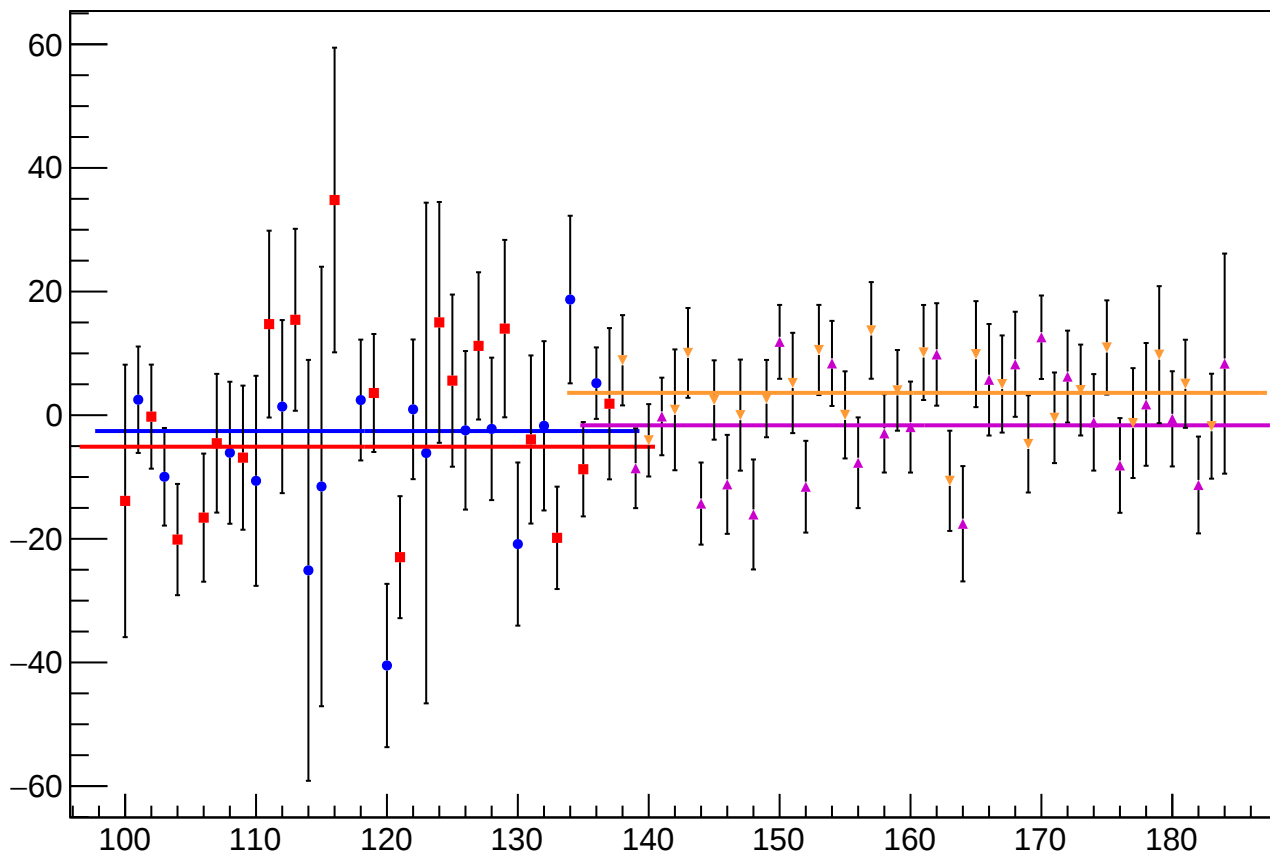
Right: 13038.746 $\pm$ 2.549 χ^2 /NDF: 1046449.6/35

In: 9444.008 $\pm$ 1.393 χ^2 /NDF: 1943742.2/39

Out: 9416.830 $\pm$ 1.363 χ^2 /NDF: 2271046.5/42

All: 9430.124 $\pm$ 0.974 χ^2 /NDF: 4214983.2/82

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.566 ± 2.752 χ^2/NDF : 16.9/16

Left Out: 3.615 ± 1.542 χ^2/NDF : 14.0/23

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: 1.048 ± 1.103 χ^2/NDF : 53.4/46

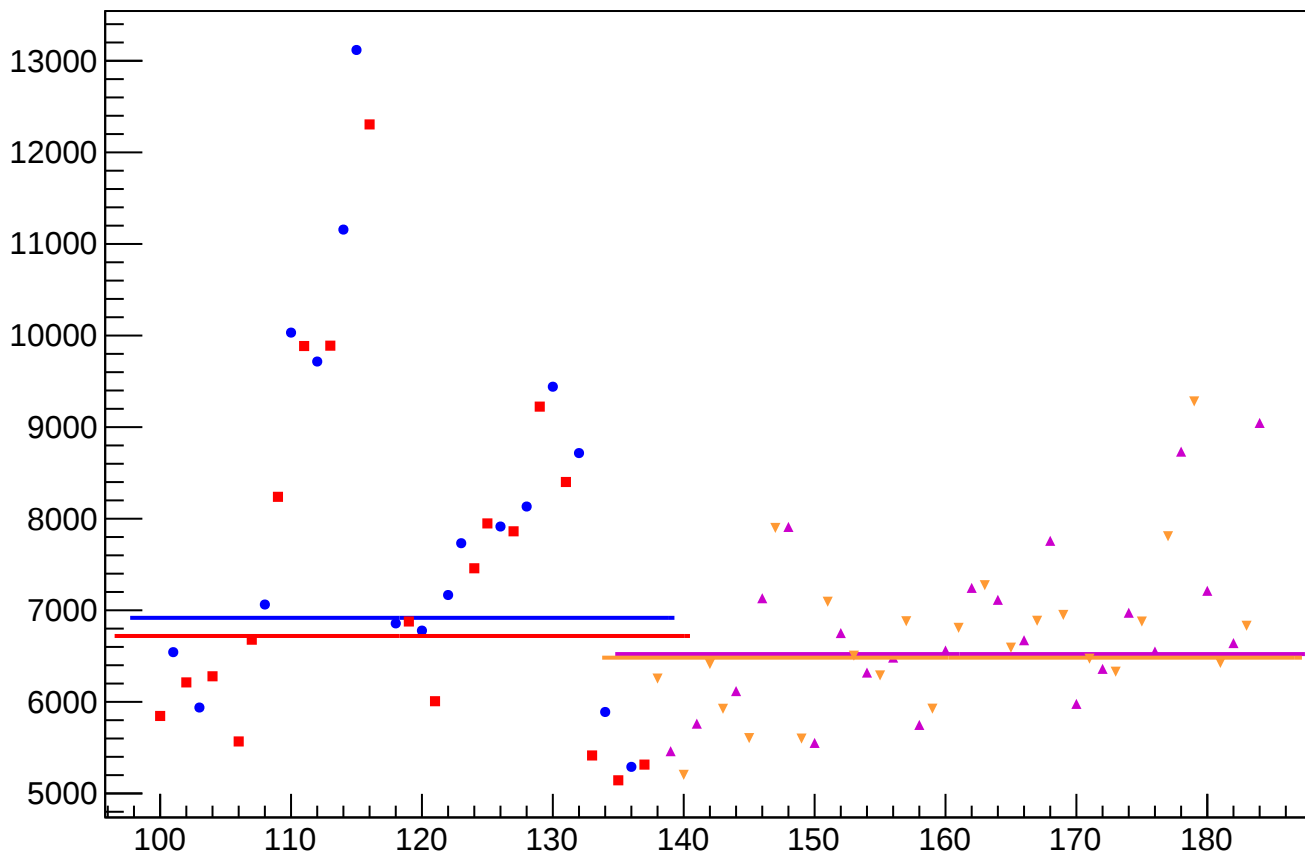
Right: -3.907 ± 1.888 χ^2/NDF : 41.3/35

In: -1.868 ± 1.369 χ^2/NDF : 50.7/39

Out: 1.340 ± 1.326 χ^2/NDF : 46.3/42

All: -0.213 ± 0.952 χ^2/NDF : 99.8/82

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6917.621 ± 1.946 $\chi^2/\text{NDF}: 588010.6/16$

Left Out: 6482.726 ± 1.091 $\chi^2/\text{NDF}: 486160.7/23$

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: 6501.902 ± 0.780 $\chi^2/\text{NDF}: 966828.3/46$

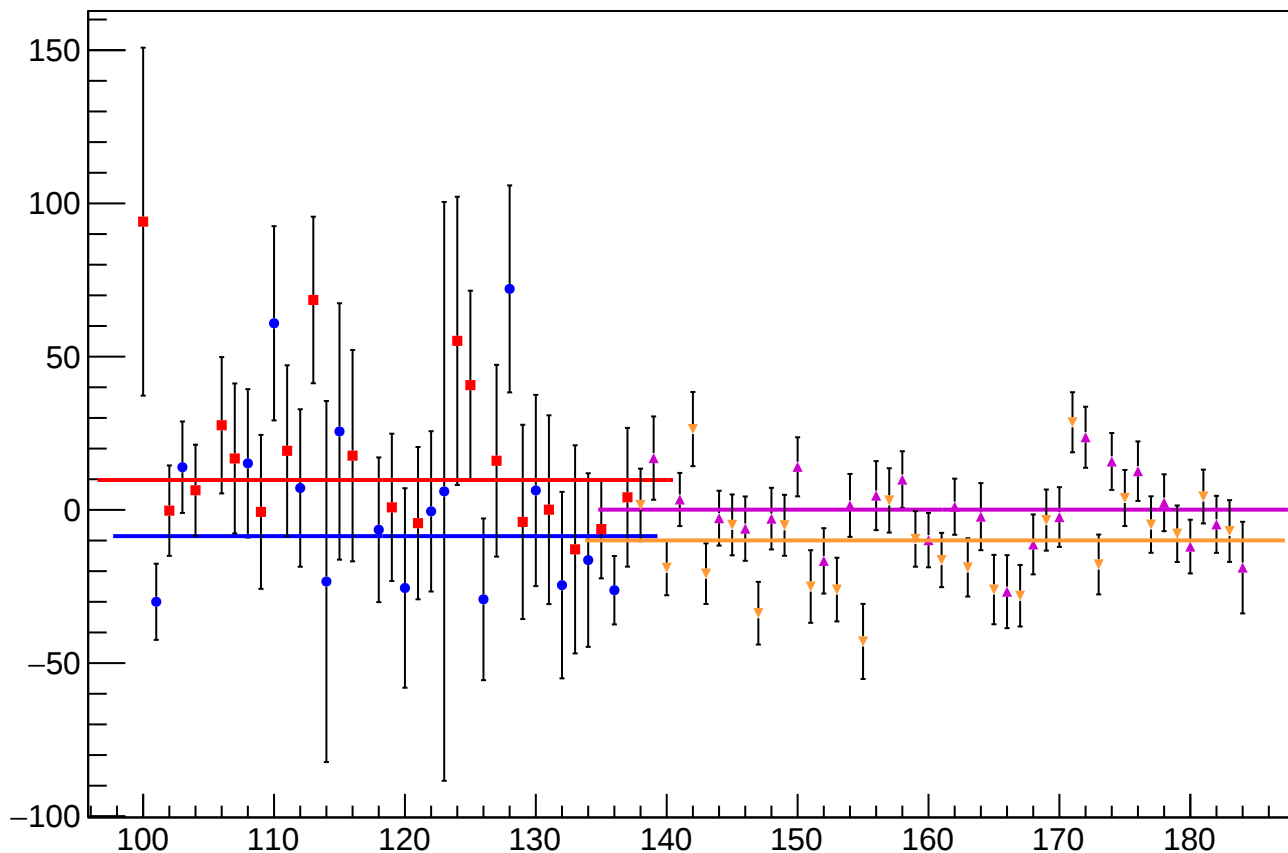
Right: 6812.726 ± 1.335 $\chi^2/\text{NDF}: 1251328.8/35$

In: 6619.867 ± 0.968 $\chi^2/\text{NDF}: 1099157.8/39$

Out: 6544.539 ± 0.937 $\chi^2/\text{NDF}: 1156296.4/42$

All: 6580.998 ± 0.673 $\chi^2/\text{NDF}: 2258579.5/82$

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.571 ± 5.419 χ^2/NDF : 21.9/16

Left Out: -9.957 ± 2.034 χ^2/NDF : 59.5/23

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: -5.036 ± 1.452 χ^2/NDF : 101.2/46

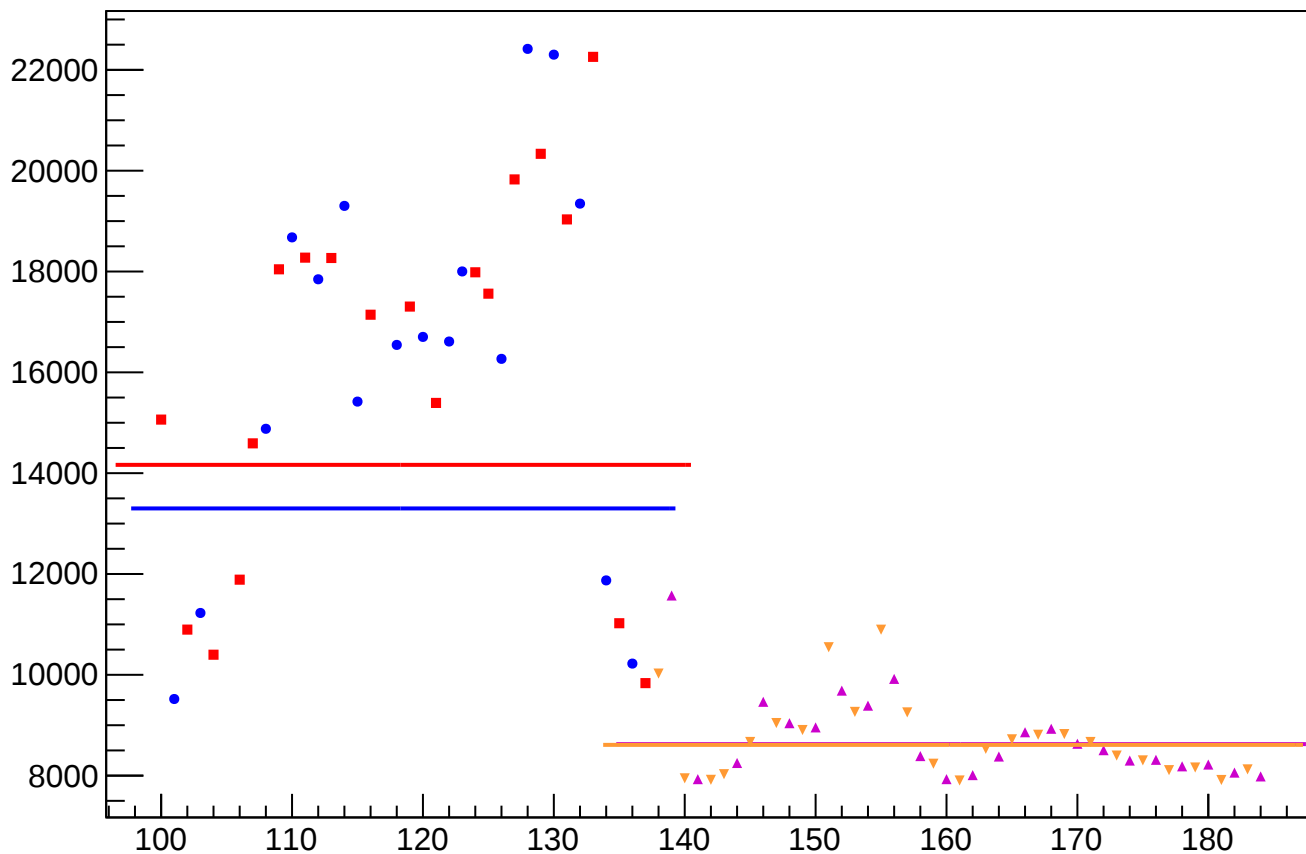
Right: 0.414 ± 3.867 χ^2/NDF : 40.2/35

In: -1.032 ± 1.936 χ^2/NDF : 53.9/39

Out: -7.602 ± 1.909 χ^2/NDF : 83.4/42

All: -4.363 ± 1.359 χ^2/NDF : 143.1/82

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13300.415 $\pm$ 3.832 χ^2/NDF : 1048873.0/16

Left Out: 8610.423 $\pm$ 1.439 χ^2/NDF :246232.2/23

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: 8617.690 $\pm$ 1.027 χ^2/NDF : 483595.1/46

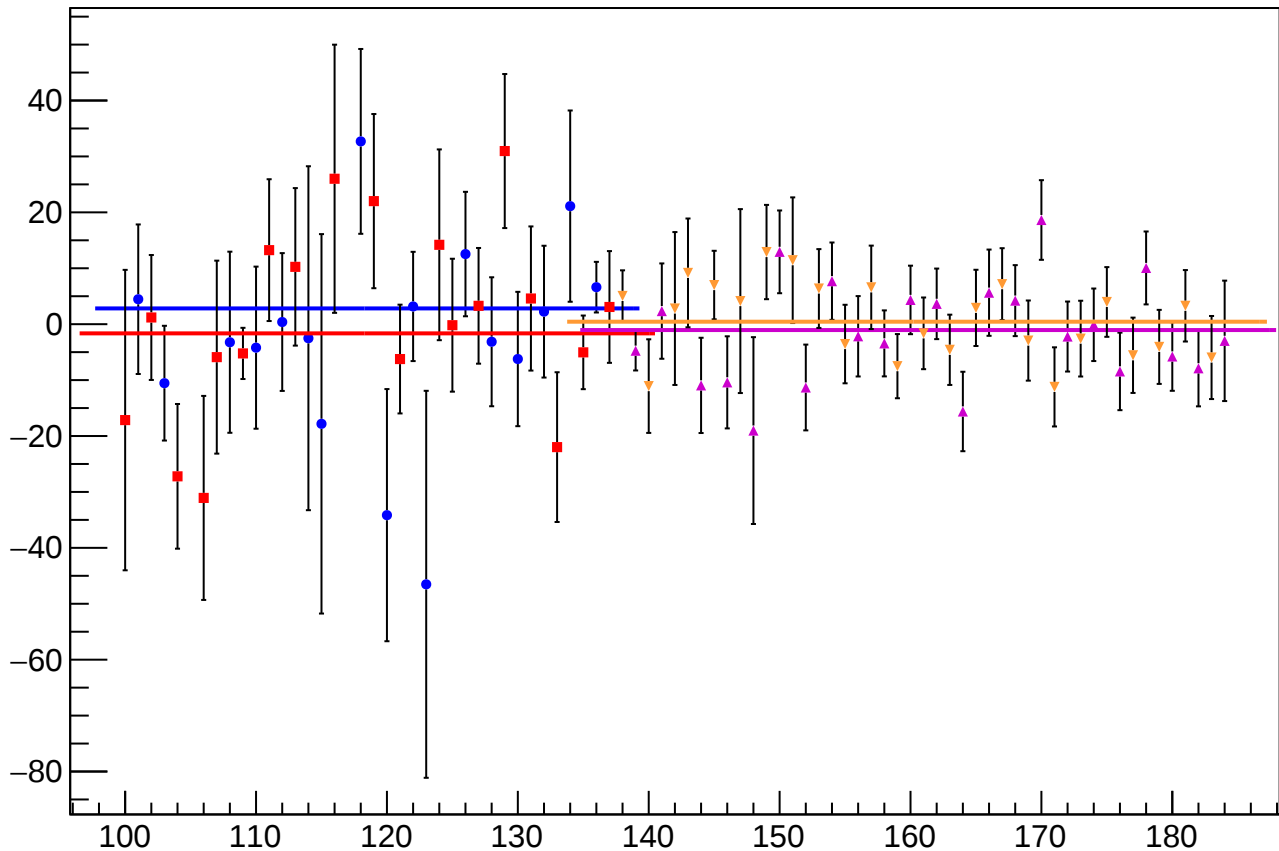
Right: 13724.540 $\pm$ 2.735 χ^2/NDF : 2005107.5/35

In: 9221.982 $\pm$ 1.369 χ^2/NDF :2584958.2/39

Out: 9274.474 $\pm$ 1.350 χ^2/NDF :2959787.8/42

All: 9248.596 $\pm$ 0.961 χ^2/NDF : 5545491.5/82

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.820 ± 2.762 $\chi^2/\text{NDF}: 14.0/16$

Left Out: 0.444 ± 1.430 $\chi^2/\text{NDF}: 19.3/23$

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: -0.321 ± 0.999 $\chi^2/\text{NDF}: 52.4/46$

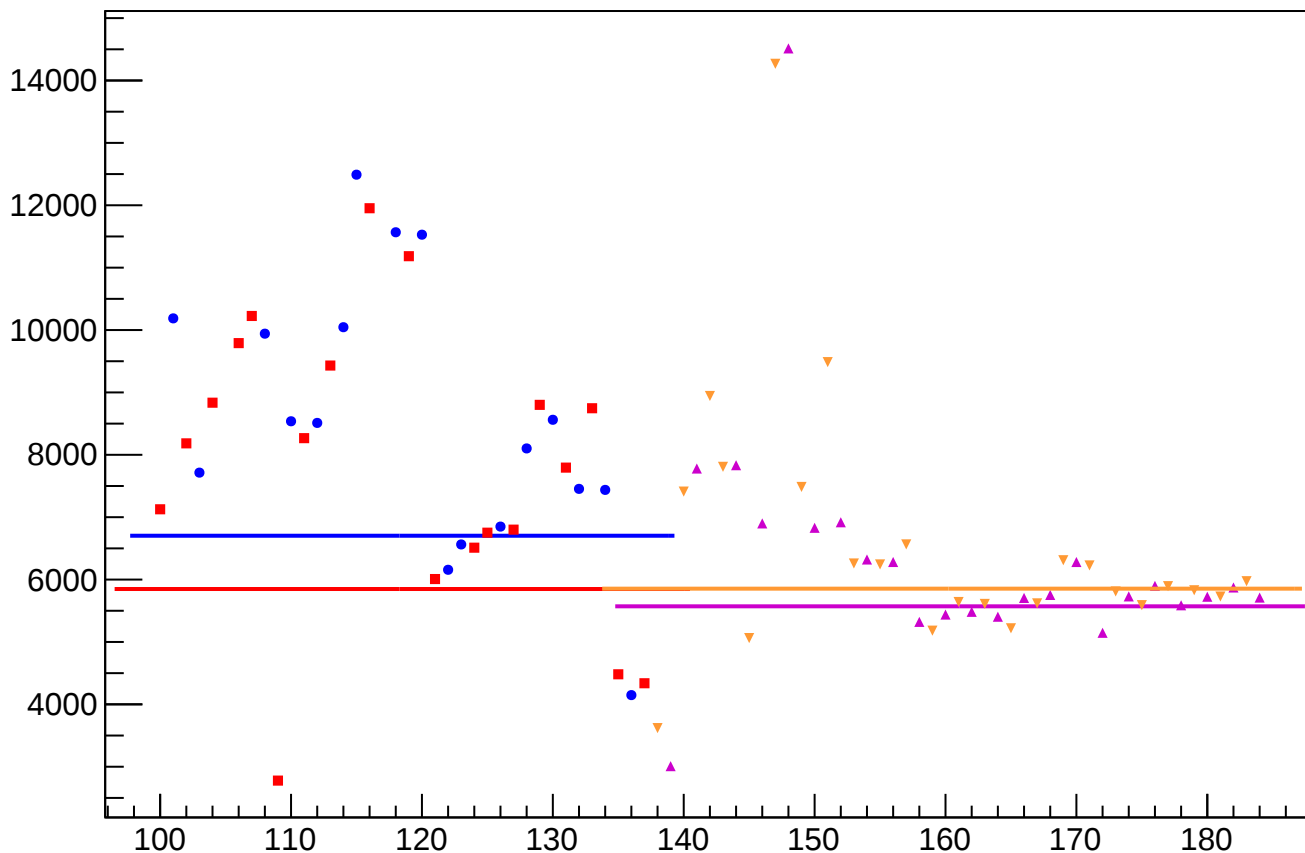
Right: 0.319 ± 1.832 $\chi^2/\text{NDF}: 38.7/35$

In: -0.263 ± 1.246 $\chi^2/\text{NDF}: 48.1/39$

Out: -0.087 ± 1.235 $\chi^2/\text{NDF}: 43.1/42$

All: -0.174 ± 0.877 $\chi^2/\text{NDF}: 91.2/82$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.778 $\pm$ 1.953 χ^2 /NDF: 1389564.7/16

Left Out: 5854.396 $\pm$ 1.011 χ^2 /NDF:1670940.5/23

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: 5709.370 $\pm$ 0.706 χ^2 /NDF: 3873855.8/46

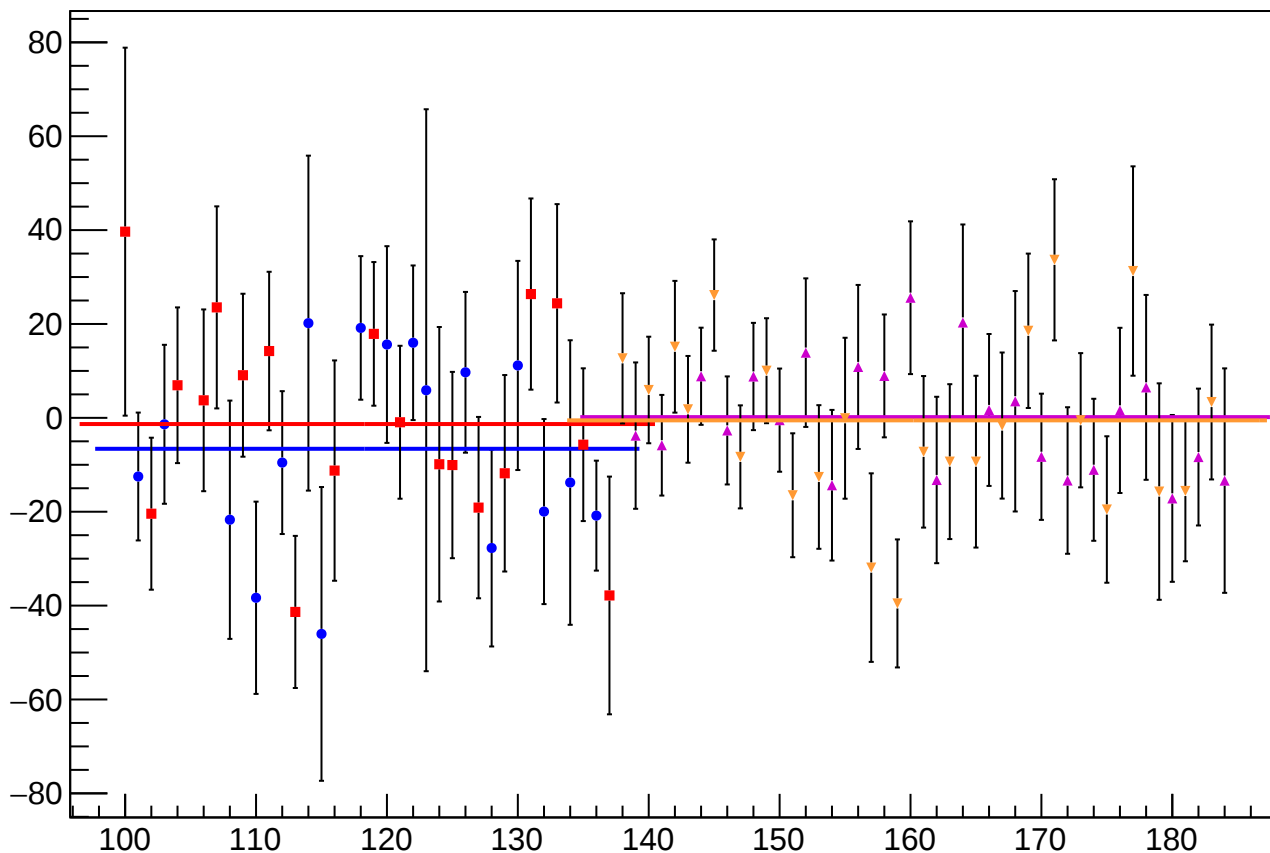
Right: 6224.325 $\pm$ 1.295 χ^2 /NDF: 3778631.4/35

In: 5801.372 $\pm$ 0.881 χ^2 /NDF:3819643.3/39

Out: 5852.973 $\pm$ 0.873 χ^2 /NDF:3952934.2/42

All: 5827.394 $\pm$ 0.620 χ^2 /NDF: 7774308.3/82

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -6.592 $\pm$ 4.559 χ^2/NDF : 15.7/16

Left Out: -0.534 $\pm$ 2.972 χ^2/NDF : 32.7/23

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: -0.198 $\pm$ 2.131 χ^2/NDF : 44.2/46

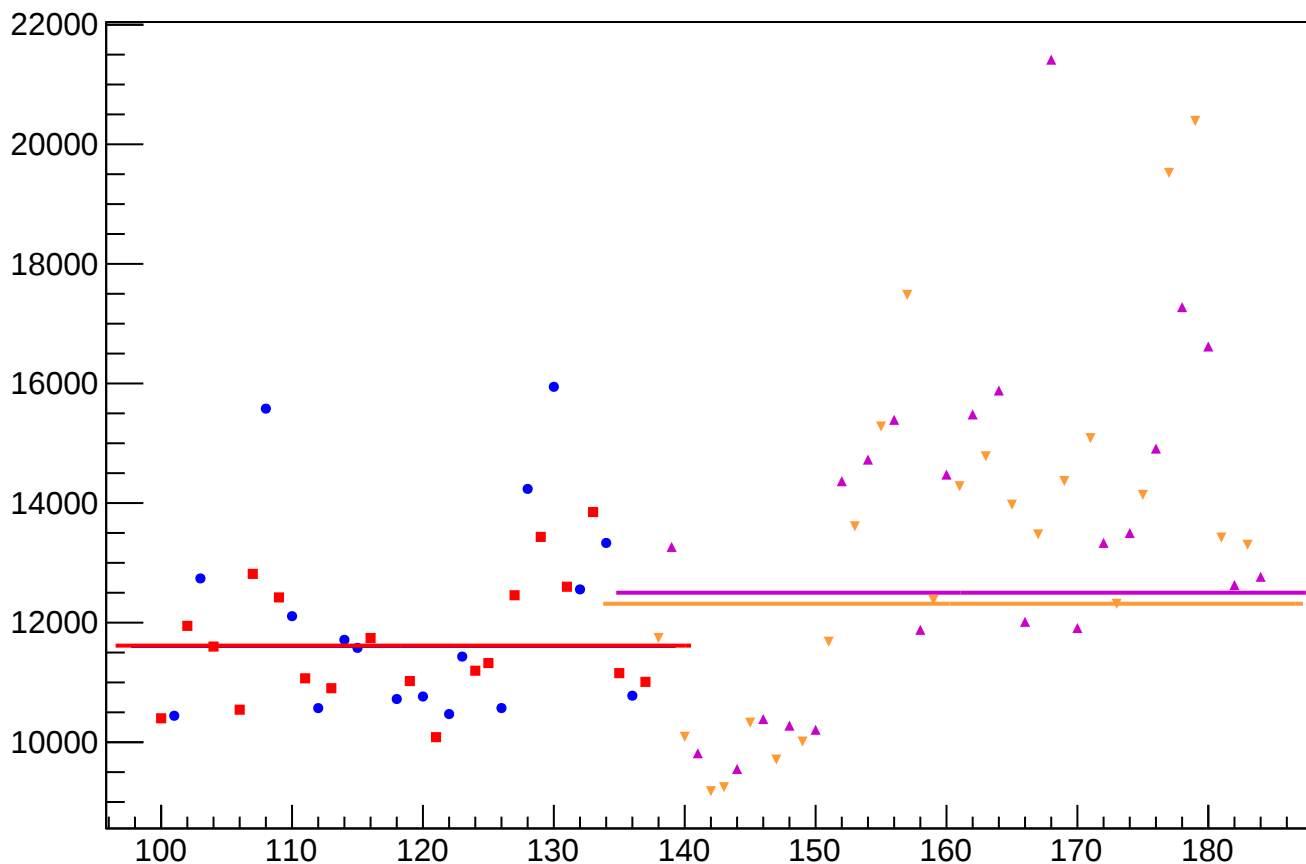
Right: -3.851 $\pm$ 3.160 χ^2/NDF : 36.4/35

In: -1.937 $\pm$ 2.540 χ^2/NDF : 28.7/39

Out: -0.781 $\pm$ 2.460 χ^2/NDF : 52.8/42

All: -1.341 $\pm$ 1.767 χ^2/NDF : 81.6/82

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11609.845 $\pm$ 3.224 χ^2 /NDF: 238142.5/16

Left Out: 12316.259 $\pm$ 2.102 χ^2 /NDF: 1475027.0/23

Right Out: 11615.563 $\pm$ 3.099 χ^2 /NDF: 95603.2/18

Left In: 12500.795 $\pm$ 2.162 χ^2 /NDF: 1357889.1/22

Left: 12405.905 $\pm$ 1.507 χ^2 /NDF: 2836661.1/46

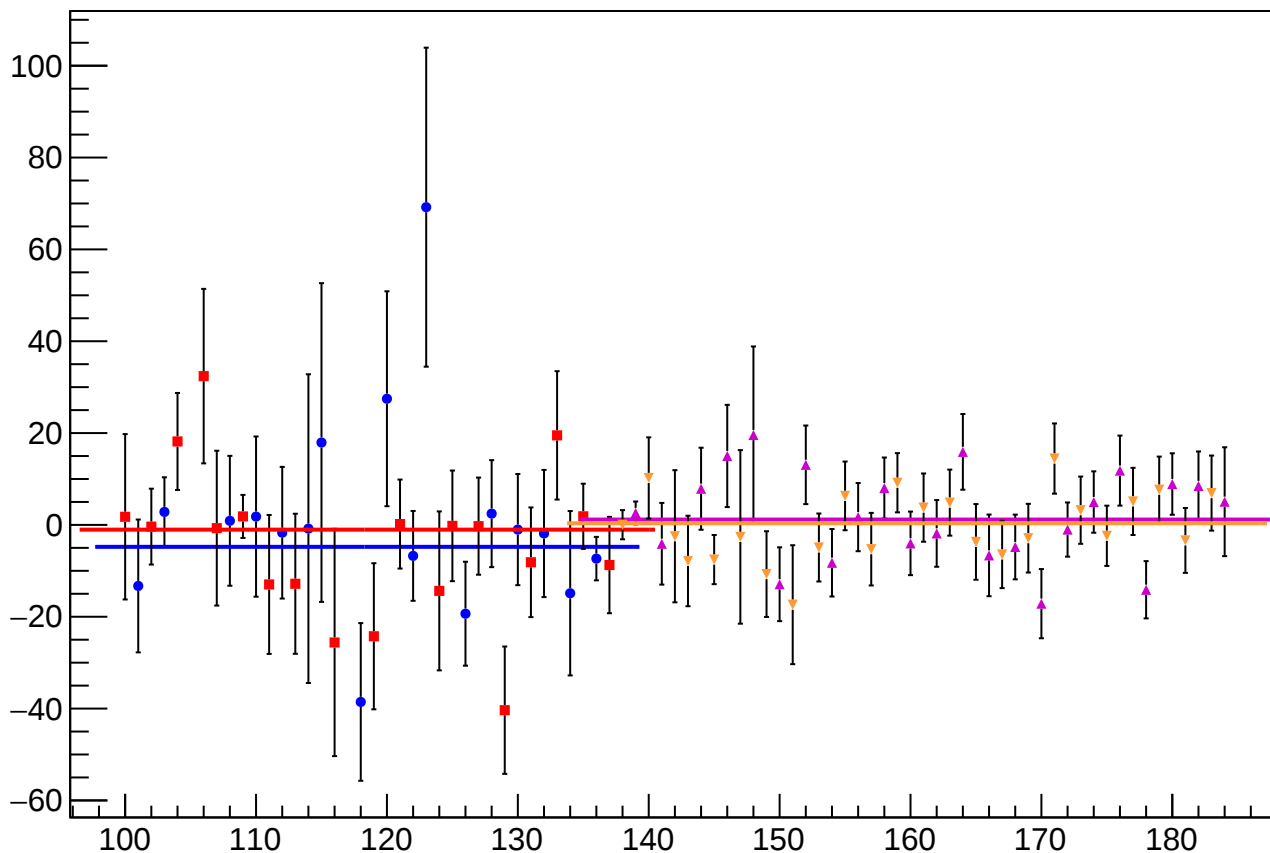
Right: 11612.817 $\pm$ 2.234 χ^2 /NDF: 333747.4/35

In: 12224.351 $\pm$ 1.796 χ^2 /NDF: 1648706.9/39

Out: 12095.486 $\pm$ 1.739 χ^2 /NDF: 1605649.4/42

All: 12157.863 $\pm$ 1.249 χ^2 /NDF: 3257013.0/80

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.776 ± 2.787 $\chi^2/\text{NDF}: 15.3/16$

Left Out: 0.357 ± 1.445 $\chi^2/\text{NDF}: 19.0/23$

Right Out: -1.032 ± 2.434 $\chi^2/\text{NDF}: 23.0/18$

Left In: 1.165 ± 1.371 $\chi^2/\text{NDF}: 33.6/22$

Left: 0.782 ± 0.995 $\chi^2/\text{NDF}: 52.7/46$

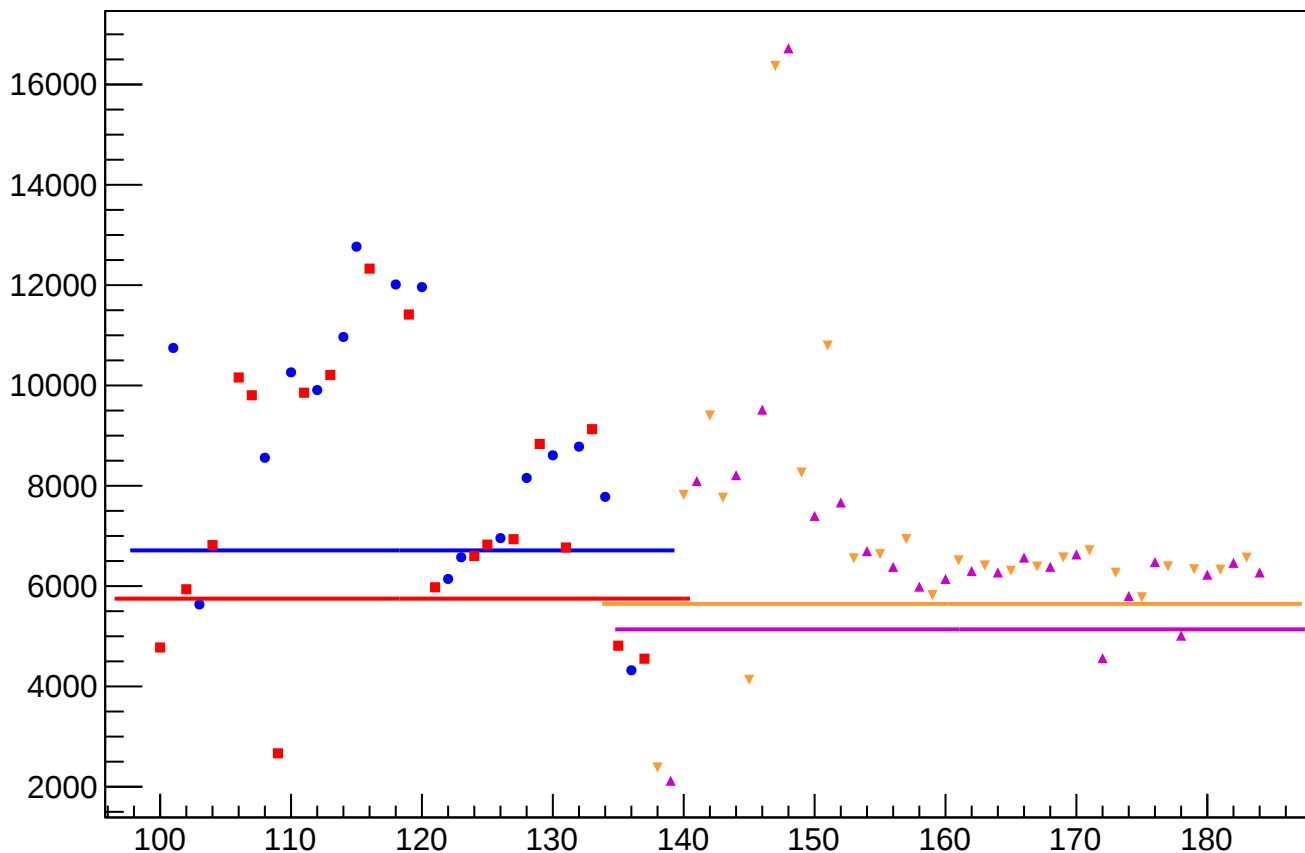
Right: -2.652 ± 1.833 $\chi^2/\text{NDF}: 39.3/35$

In: 0.007 ± 1.231 $\chi^2/\text{NDF}: 52.5/39$

Out: -0.005 ± 1.243 $\chi^2/\text{NDF}: 42.3/42$

All: 0.001 ± 0.874 $\chi^2/\text{NDF}: 94.8/82$

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.784+/-1.971 χ^2/NDF : 1446319.6/16

Left Out: 5645.929+/-1.022 χ^2/NDF : 4104742.8/23

Right Out: 5749.579+/-1.721 χ^2/NDF : 2167509.2/18

Left In: 5137.772+/-0.970 χ^2/NDF : 5495609.7/22

Left: 5378.552+/-0.703 χ^2/NDF : 9730468.4/46

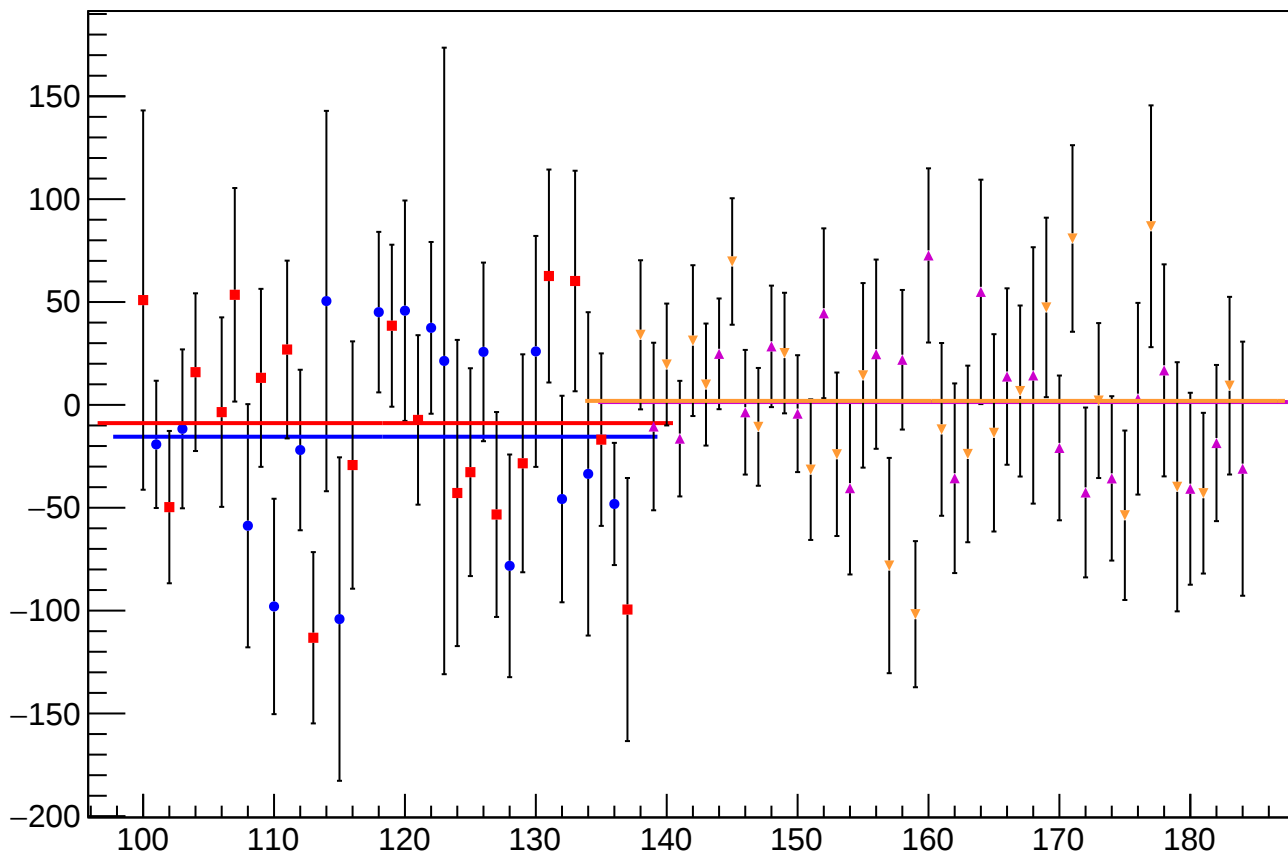
Right: 6165.779+/-1.296 χ^2/NDF : 3749071.1/35

In: 5444.533+/-0.870 χ^2/NDF : 7455404.2/39

Out: 5672.951+/-0.879 χ^2/NDF : 6274934.2/42

All: 5557.629+/-0.618 χ^2/NDF : 13764460.5/80

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -15.474 $\pm$ 11.317 χ^2/NDF : 14.7/16

Left Out: 1.941 $\pm$ 7.773 χ^2/NDF : 30.3/23

Right Out: -8.865 $\pm$ 10.914 χ^2/NDF : 19.3/18

Left In: 1.374 $\pm$ 7.990 χ^2/NDF : 13.3/22

Left: 1.665 $\pm$ 5.571 χ^2/NDF : 43.6/46

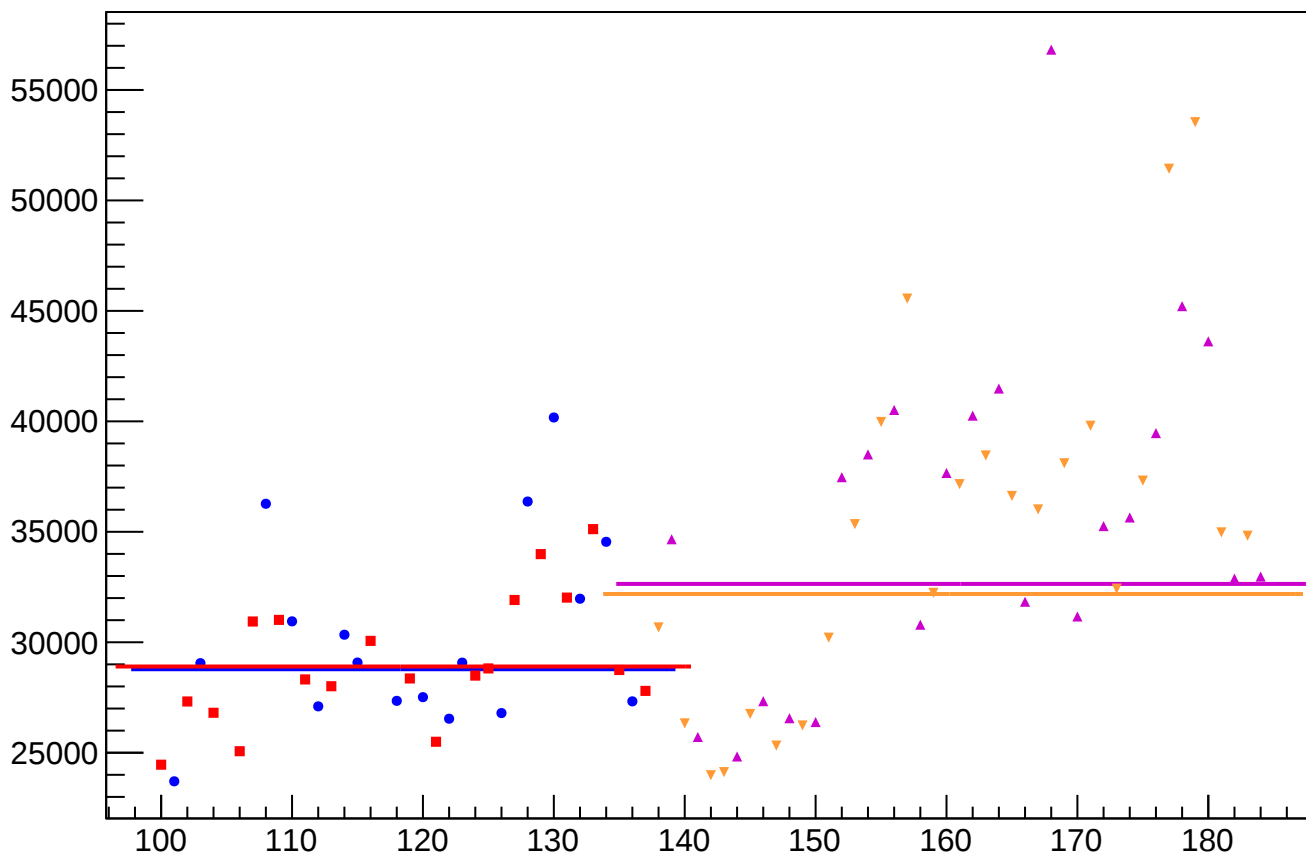
Right: -12.049 $\pm$ 7.856 χ^2/NDF : 34.1/35

In: -4.230 $\pm$ 6.527 χ^2/NDF : 29.4/39

Out: -1.695 $\pm$ 6.331 χ^2/NDF : 50.2/42

All: -2.924 $\pm$ 4.545 χ^2/NDF : 79.7/82

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28779.223+/-8.003 χ^2/NDF : 252972.7/16

Left Out: 32184.264+/-5.496 χ^2/NDF : 1509836.8/23

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: 32406.401+/-3.940 χ^2/NDF : 2915359.3/46

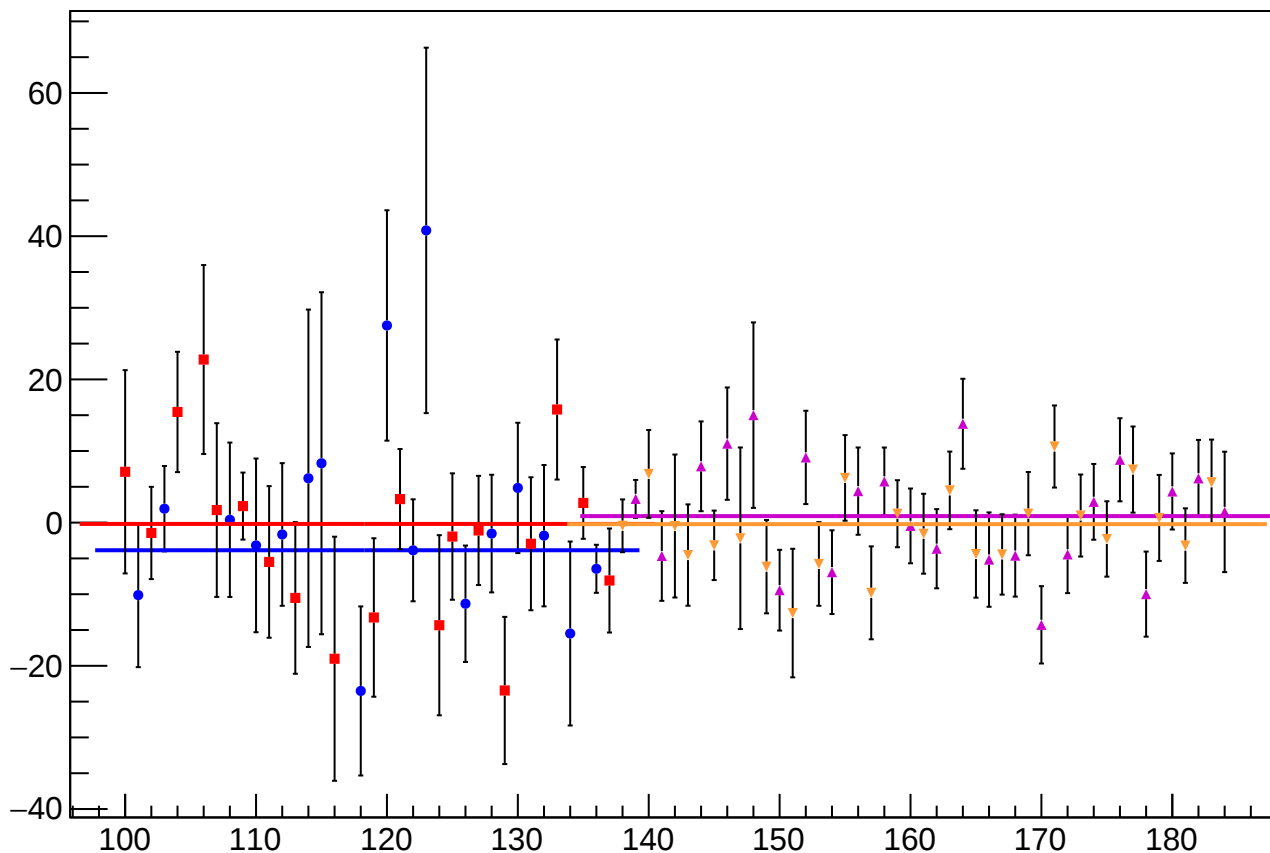
Right: 28843.046+/-5.555 χ^2/NDF : 365793.6/35

In: 31356.480+/-4.616 χ^2/NDF : 1810555.1/39

Out: 31079.878+/-4.477 χ^2/NDF : 1742526.2/42

All: 31213.957+/-3.213 χ^2/NDF : 3554931.9/80

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.861 ± 2.014 χ^2/NDF : 14.9/16

Left Out: -0.215 ± 1.184 χ^2/NDF : 17.8/23

Right Out: -0.185 ± 1.897 χ^2/NDF : 21.9/18

Left In: 0.908 ± 1.142 χ^2/NDF : 36.2/22

Left: 0.366 ± 0.822 χ^2/NDF : 54.4/46

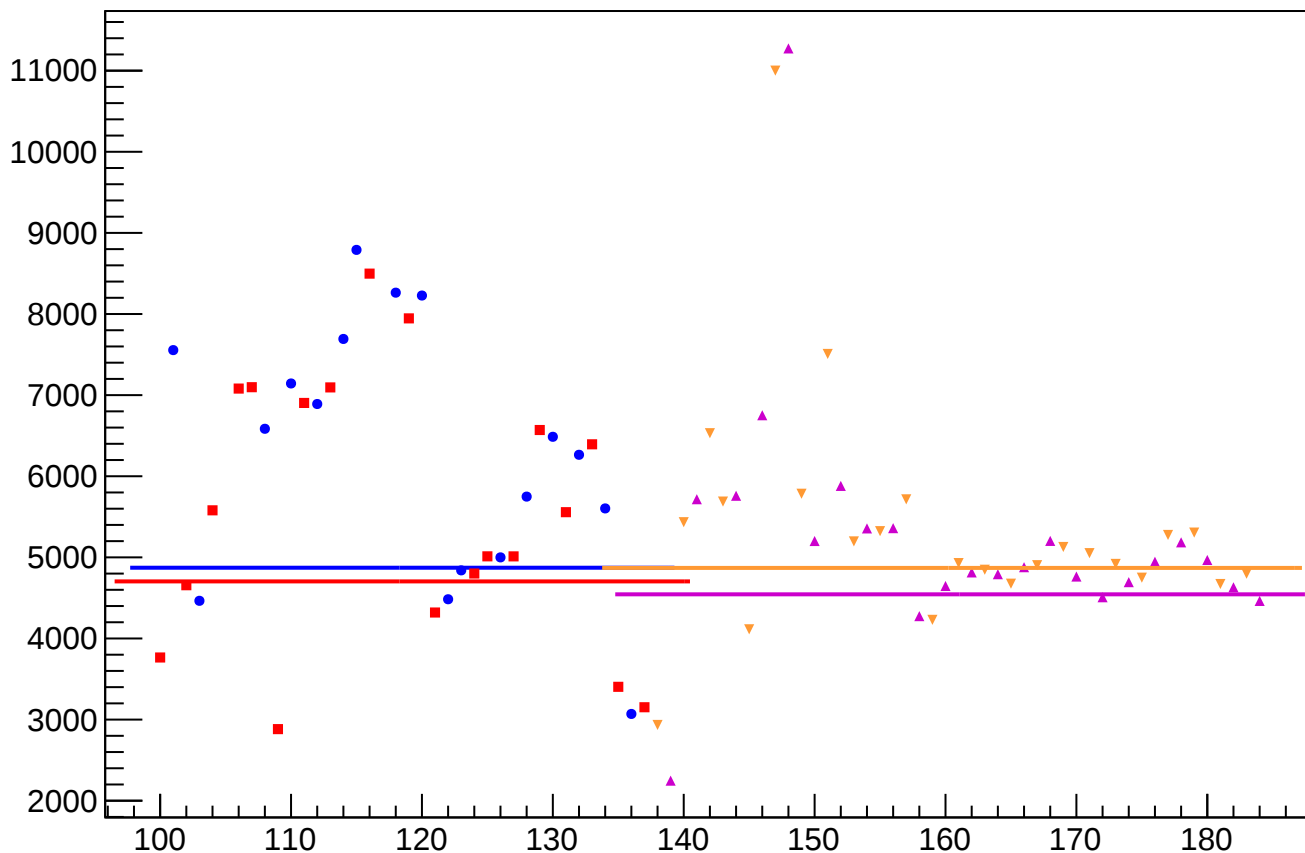
Right: -1.913 ± 1.381 χ^2/NDF : 38.6/35

In: -0.253 ± 0.994 χ^2/NDF : 55.3/39

Out: -0.207 ± 1.004 χ^2/NDF : 39.7/42

All: -0.230 ± 0.706 χ^2/NDF : 95.0/82

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.339+/-1.424 χ^2/NDF : 1404599.6/16

Left Out: 4869.932+/-0.837 χ^2/NDF : 1500787.3/23

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: 4701.289+/-0.581 χ^2/NDF : 4213445.5/46

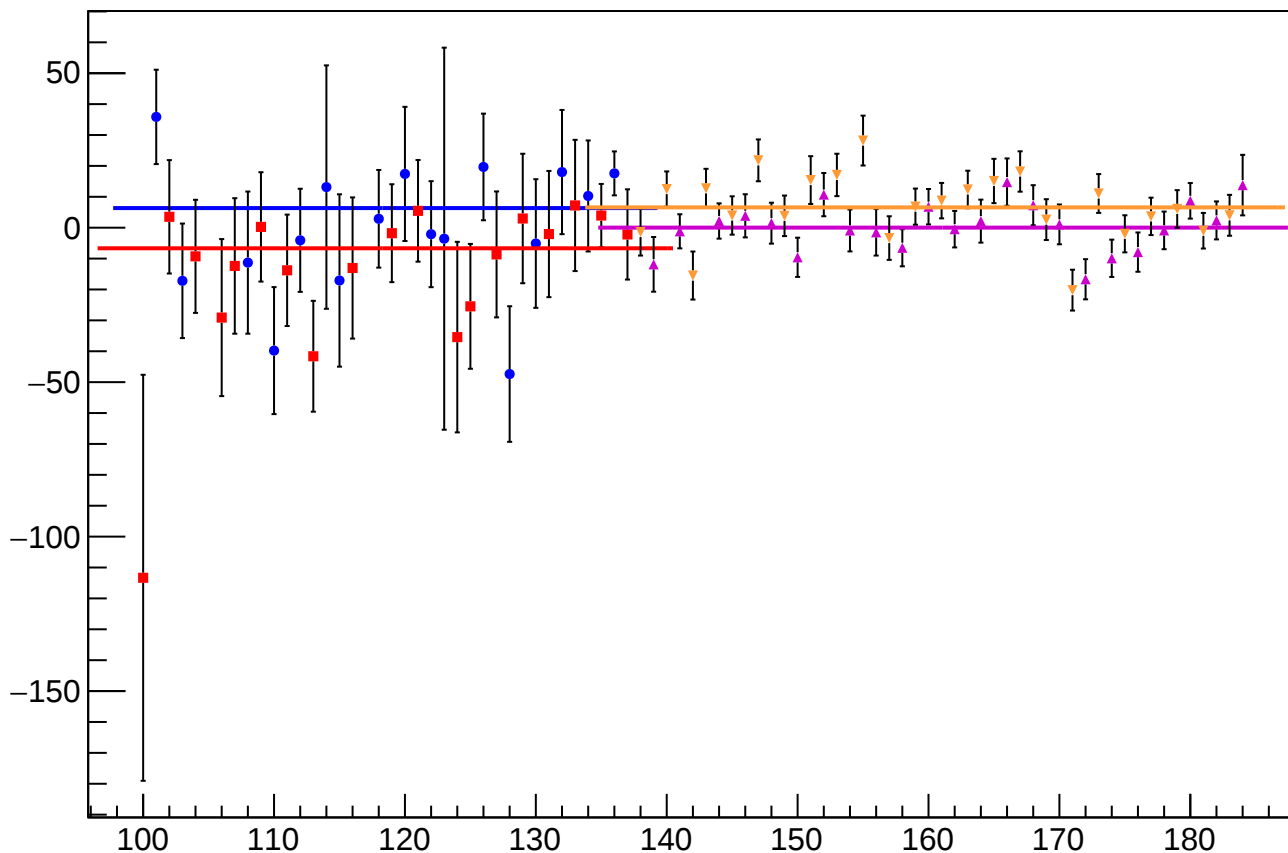
Right: 4782.958+/-0.976 χ^2/NDF : 2727693.9/35

In: 4624.167+/-0.703 χ^2/NDF : 4079056.1/39

Out: 4823.316+/-0.710 χ^2/NDF : 2827505.6/42

All: 4722.660+/-0.499 χ^2/NDF : 6946305.2/82

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.348 ± 4.088 χ^2/NDF : 22.4/16

Left Out: 6.574 ± 1.325 χ^2/NDF : 56.5/23

Right Out: -6.668 ± 4.232 χ^2/NDF : 12.2/18

Left In: 0.020 ± 1.353 χ^2/NDF : 29.9/22

Left: 3.366 ± 0.947 χ^2/NDF : 98.4/46

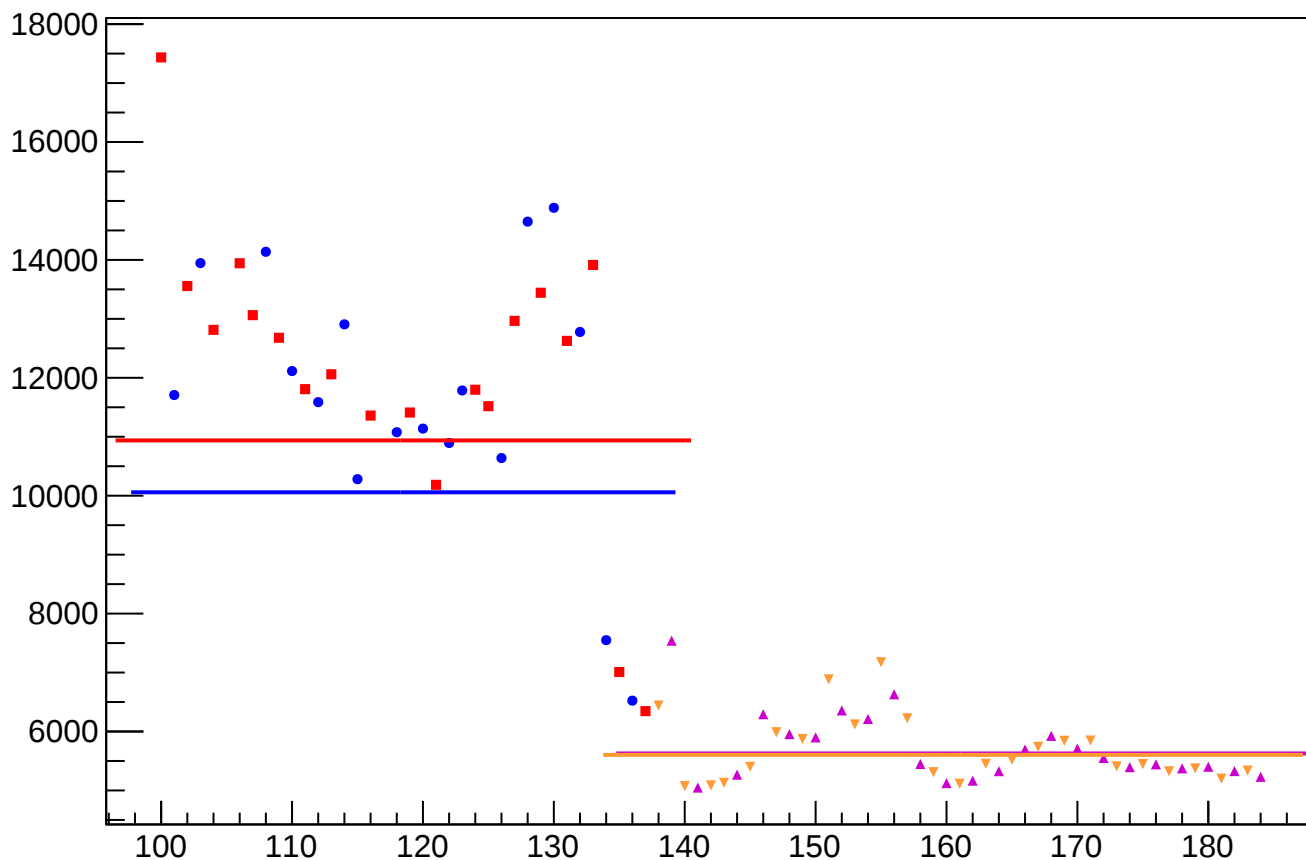
Right: 0.065 ± 2.941 χ^2/NDF : 39.6/35

In: 0.645 ± 1.285 χ^2/NDF : 54.5/39

Out: 5.392 ± 1.264 χ^2/NDF : 77.6/42

All: 3.056 ± 0.901 χ^2/NDF : 139.1/82

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10057.738 $\pm$ 2.891 χ^2 /NDF: 1007657.1/16

Left Out: 5603.212 $\pm$ 0.937 χ^2 /NDF: 281710.9/23

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: 5614.994 $\pm$ 0.669 χ^2 /NDF: 561352.8/46

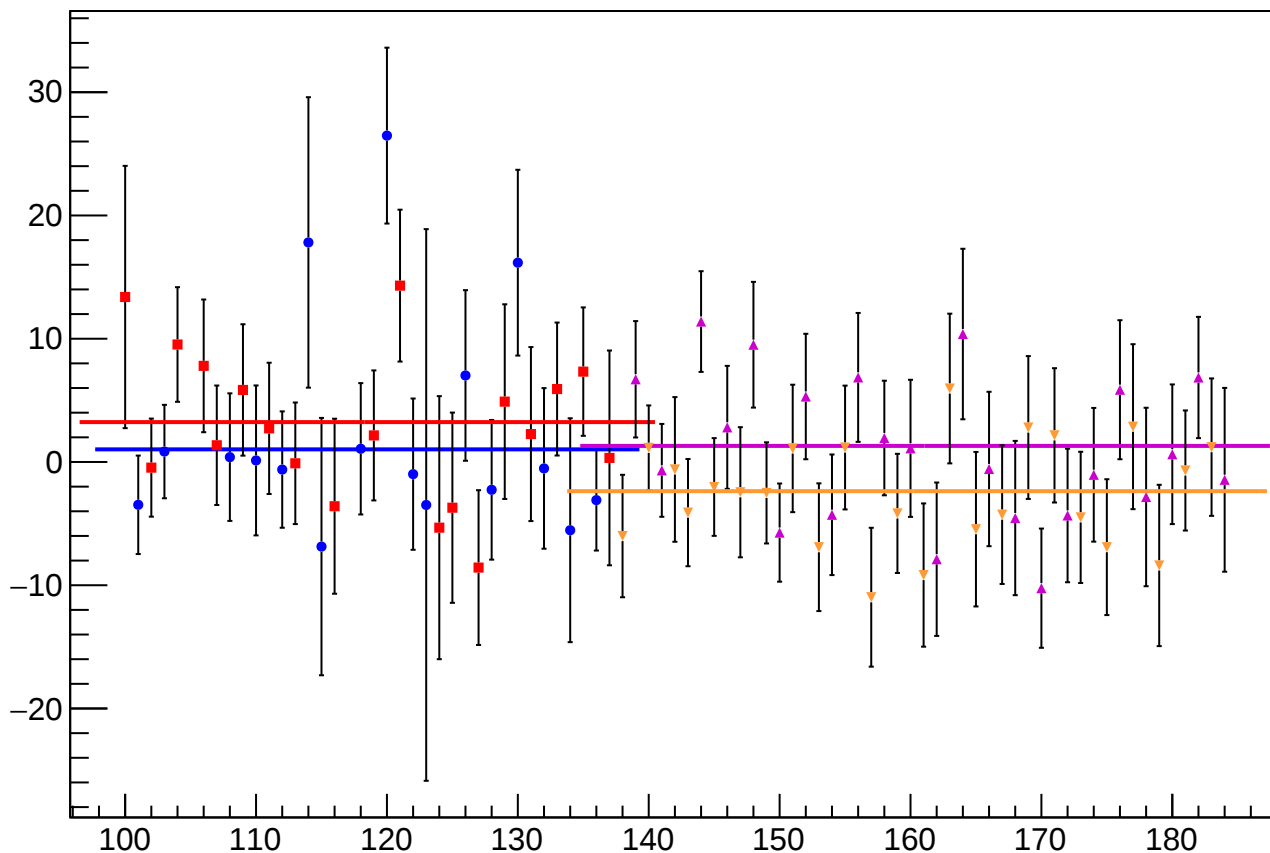
Right: 10482.673 $\pm$ 2.079 χ^2 /NDF: 1816537.6/35

In: 6064.637 $\pm$ 0.908 χ^2 /NDF: 3403695.7/39

Out: 6079.307 $\pm$ 0.894 χ^2 /NDF: 3939964.3/42

All: 6072.089 $\pm$ 0.637 χ^2 /NDF: 7343792.5/82

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.024 $\pm$ 1.405 χ^2 /NDF: 23.6/16

Left Out: -2.368 $\pm$ 1.043 χ^2 /NDF:13.9/23

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: -0.591 $\pm$ 0.749 χ^2 /NDF: 50.8/46

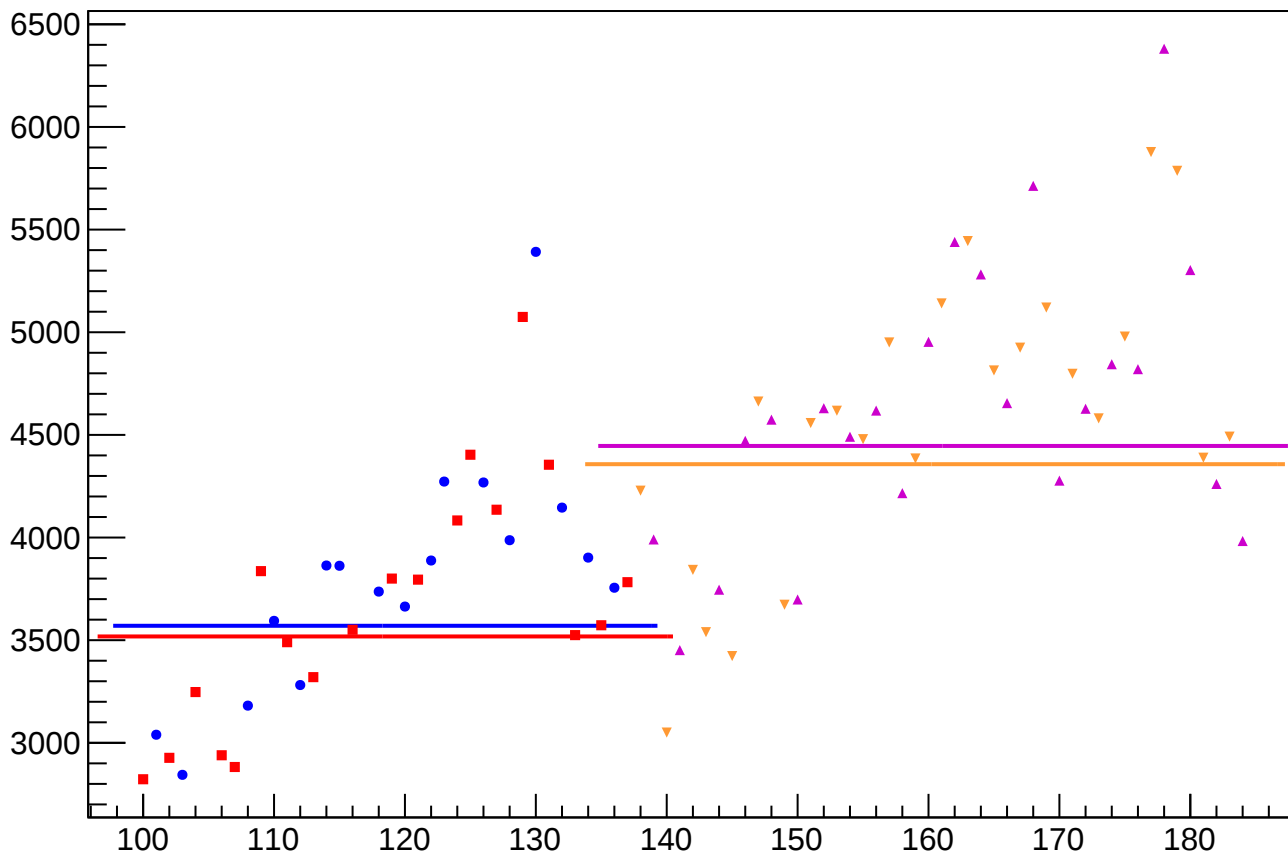
Right: 2.186 $\pm$ 0.968 χ^2 /NDF: 40.3/35

In: 1.201 $\pm$ 0.855 χ^2 /NDF:54.4/39

Out: -0.246 $\pm$ 0.822 χ^2 /NDF:40.3/42

All: 0.449 $\pm$ 0.592 χ^2 /NDF: 96.2/82

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.193 $\pm$ 0.994 χ^2/NDF : 310317.2/16

Left Out: 4357.332 $\pm$ 0.737 χ^2/NDF :989025.7/23

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: 4400.315 $\pm$ 0.530 χ^2/NDF : 1698849.1/46

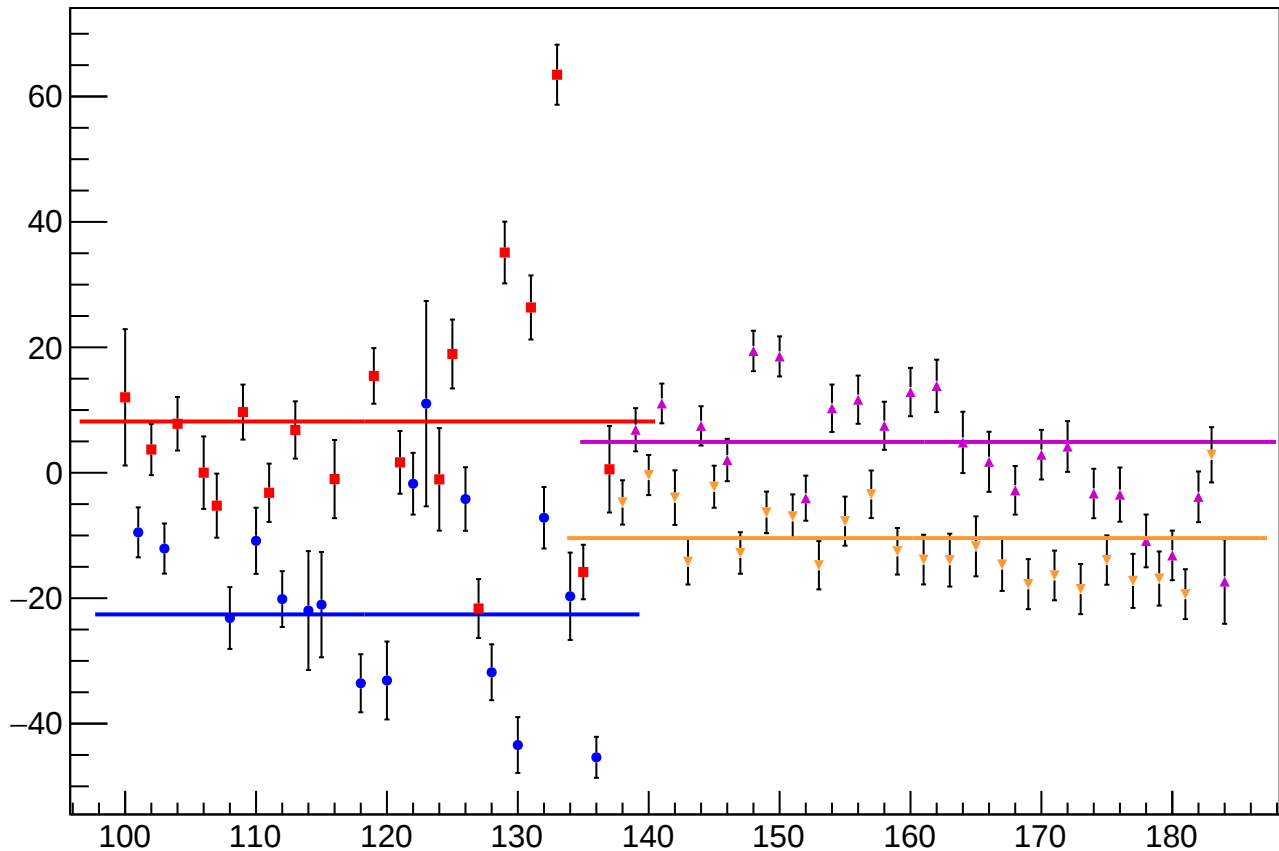
Right: 3542.887 $\pm$ 0.685 χ^2/NDF : 608096.5/35

In: 4122.031 $\pm$ 0.604 χ^2/NDF :1502667.8/39

Out: 4039.626 $\pm$ 0.581 χ^2/NDF :1775817.4/42

All: 4079.210 $\pm$ 0.419 χ^2/NDF : 3288142.6/82

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.588 ± 1.203 χ^2/NDF : 151.6/16

Left Out: -10.418 ± 0.783 χ^2/NDF : 62.2/23

Right Out: 8.176 ± 1.159 χ^2/NDF : 275.9/18

Left In: 4.911 ± 0.797 χ^2/NDF : 127.9/22

Left: -2.890 ± 0.559 χ^2/NDF : 378.3/46

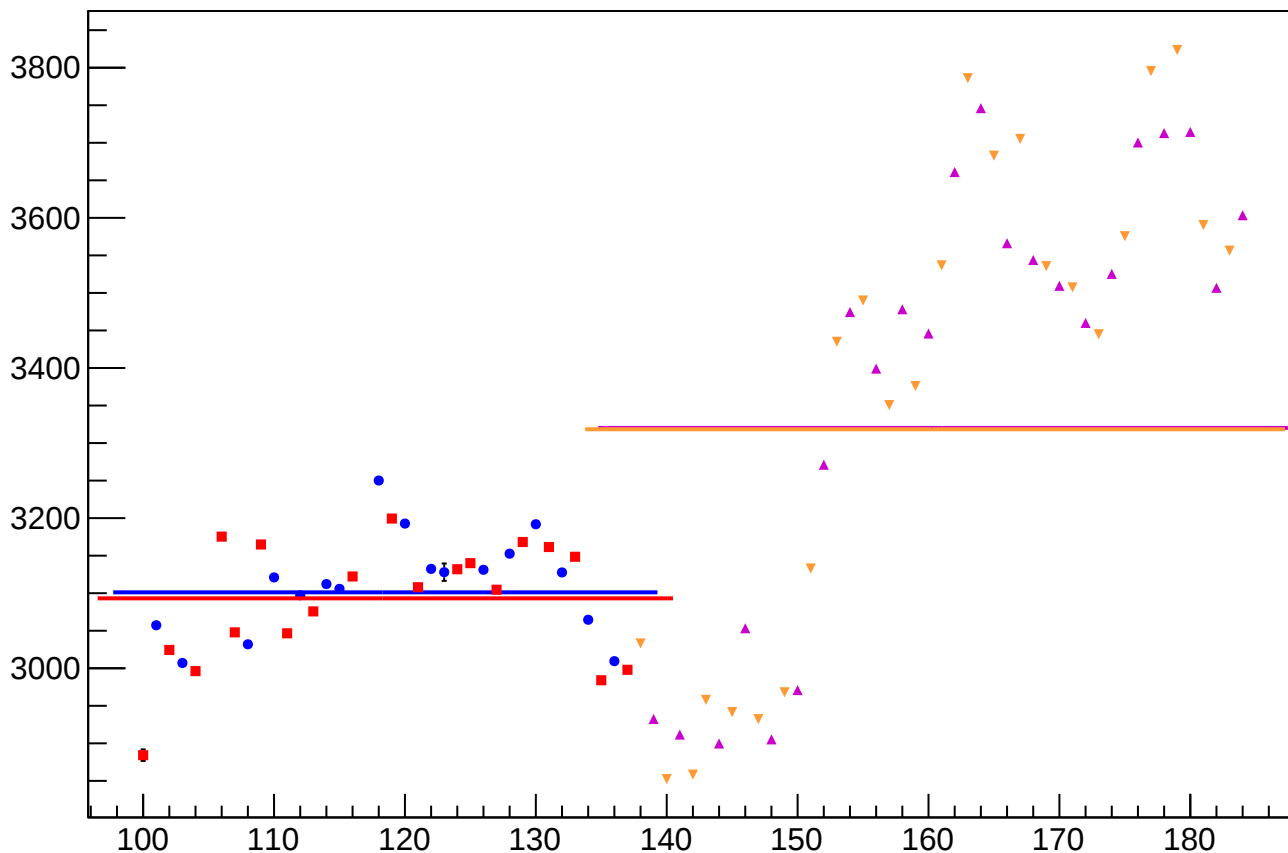
Right: -6.636 ± 0.834 χ^2/NDF : 766.8/35

In: -3.482 ± 0.664 χ^2/NDF : 642.8/39

Out: -4.589 ± 0.649 χ^2/NDF : 514.8/42

All: -4.049 ± 0.464 χ^2/NDF : 1159.0/82

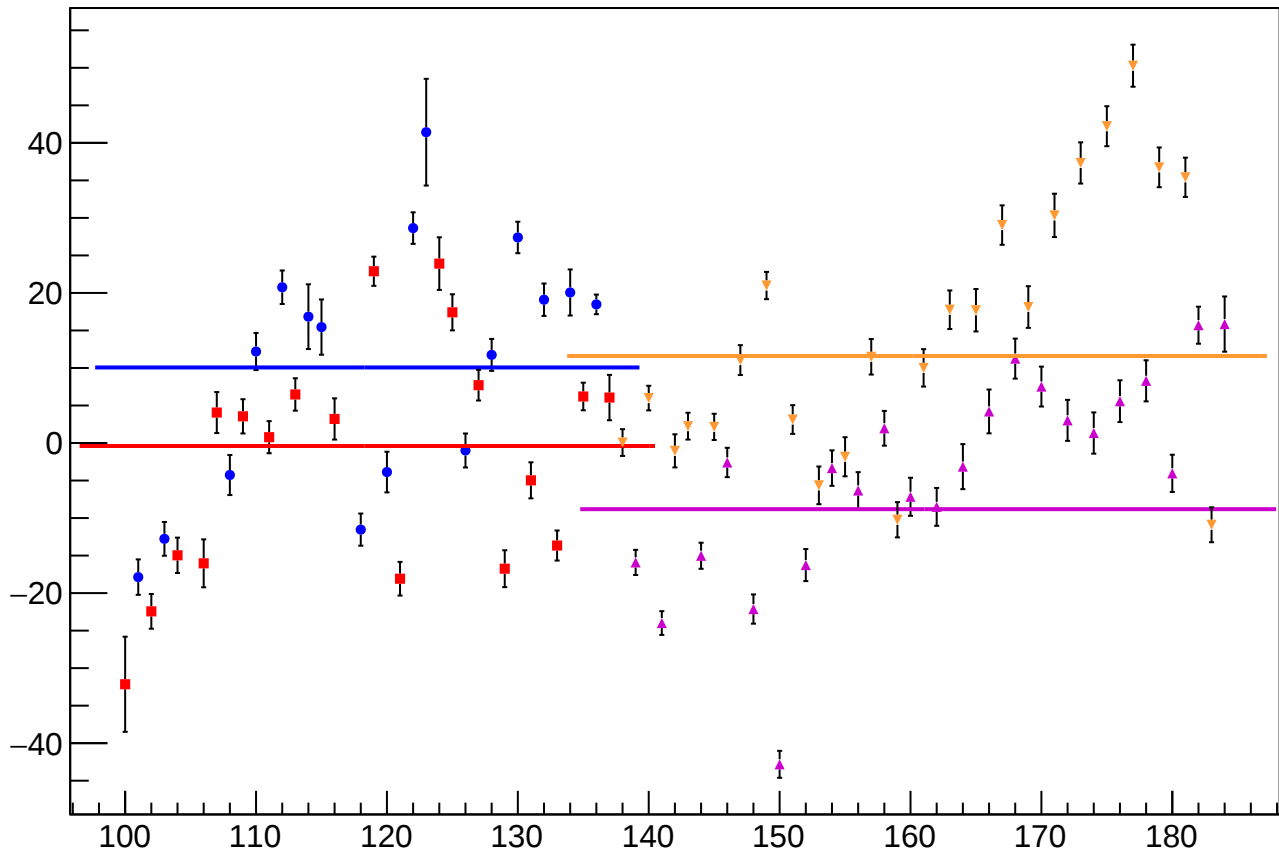
diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.155+/-0.850 χ^2/NDF : 7225.5/16
 Left Out: 3318.390+/-0.554 χ^2/NDF : 331629.1/23
 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: 3319.264+/-0.395 χ^2/NDF : 619269.1/46
 Right: 3097.006+/-0.590 χ^2/NDF : 15076.5/35
 In: 3253.318+/-0.470 χ^2/NDF : 340945.8/39
 Out: 3247.780+/-0.459 χ^2/NDF : 391301.0/42
 All: 3250.483+/-0.328 χ^2/NDF : 732318.0/82

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.071 ± 0.563 χ^2/NDF : 688.1/16

Left Out: 11.596 ± 0.460 χ^2/NDF : 1129.0/23

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: 1.733 ± 0.330 χ^2/NDF : 3023.9/46

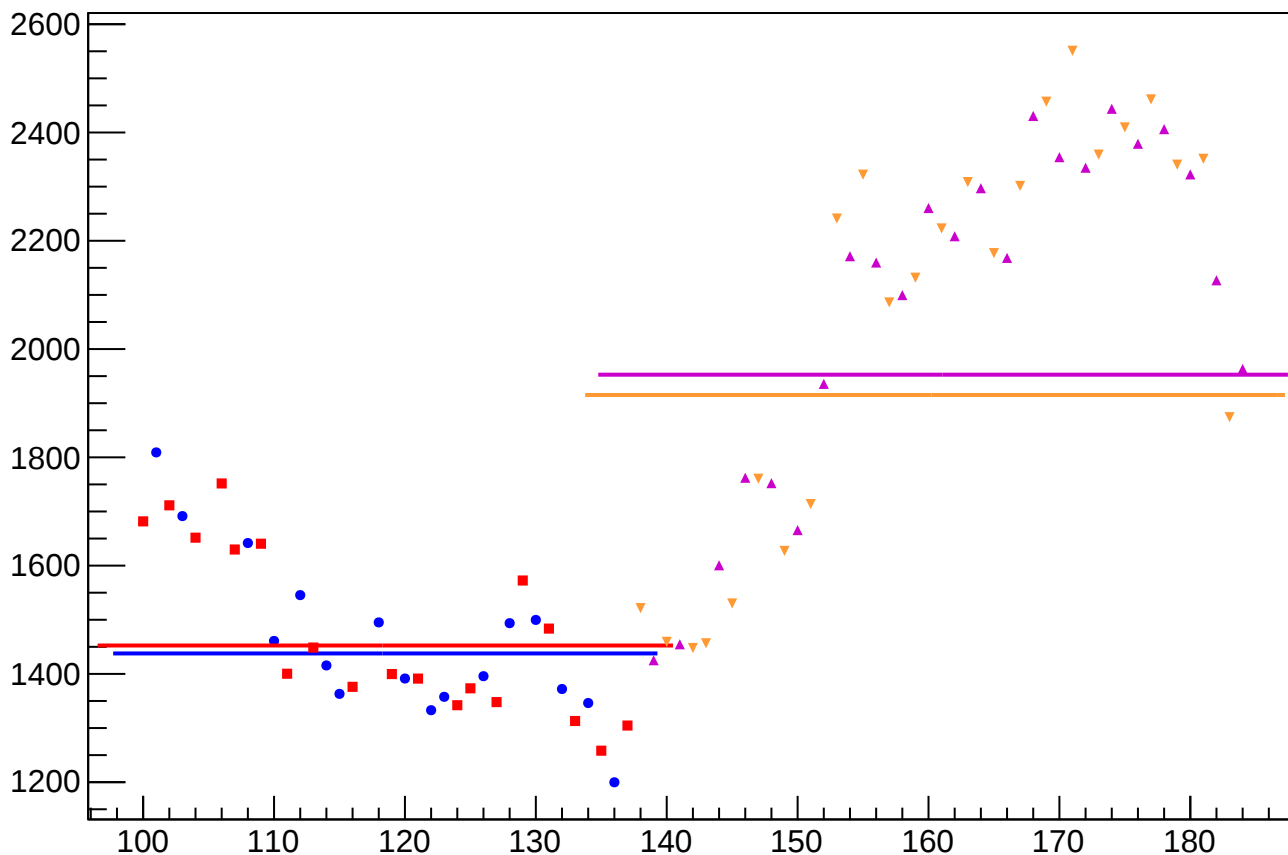
Right: 4.698 ± 0.393 χ^2/NDF : 1494.8/35

In: -0.949 ± 0.363 χ^2/NDF : 2287.7/39

Out: 6.642 ± 0.352 χ^2/NDF : 2039.2/42

All: 2.963 ± 0.253 χ^2/NDF : 4552.1/82

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.799 +/- 0.398 χ^2/NDF : 173192.9/16

Left Out: 1915.161 +/- 0.325 χ^2/NDF : 1380697.7/23

Right Out: 1452.461 +/- 0.387 χ^2/NDF : 138487.1/18

Left In: 1952.637 +/- 0.336 χ^2/NDF : 1065333.8/22

Left: 1933.270 +/- 0.234 χ^2/NDF : 2452455.3/46

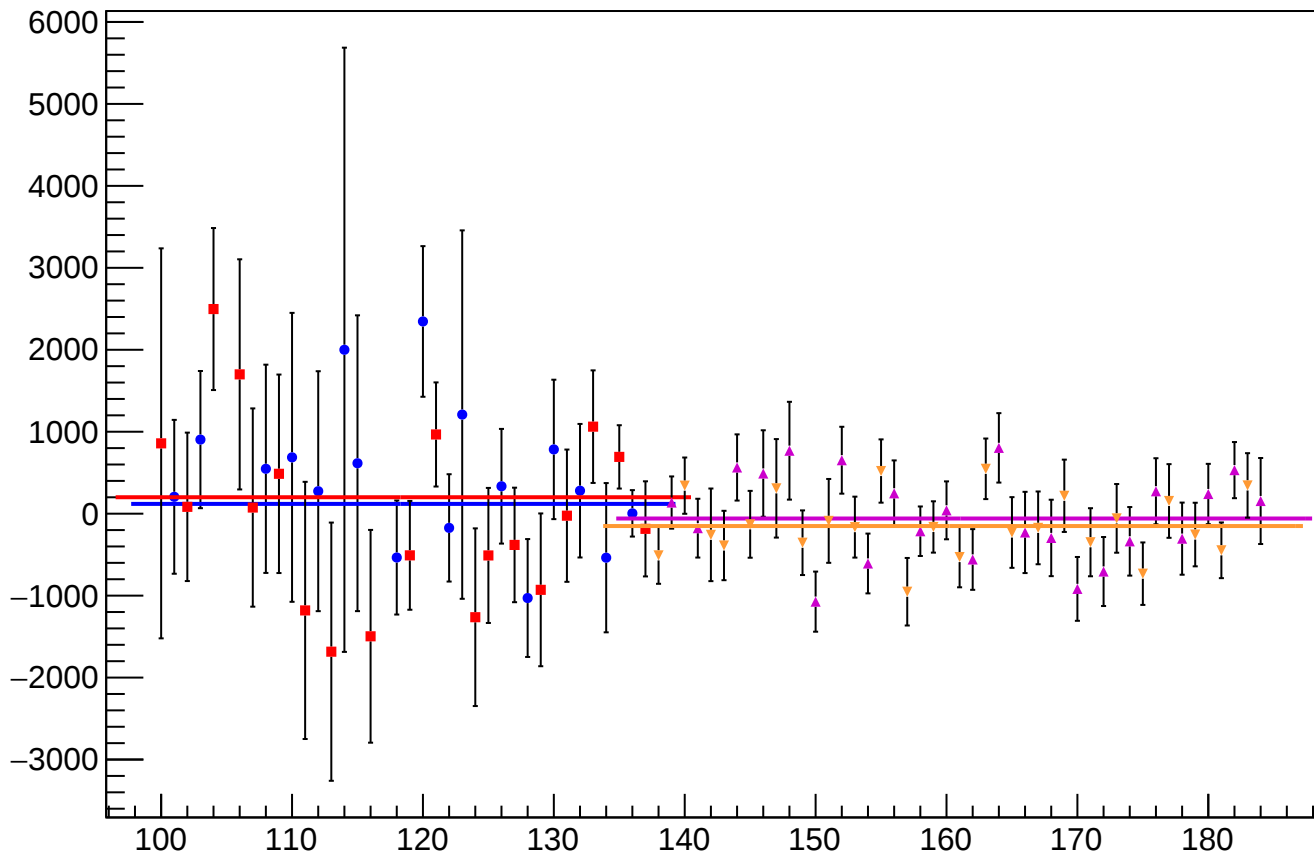
Right: 1445.324 +/- 0.278 χ^2/NDF : 312377.0/35

In: 1738.212 +/- 0.257 χ^2/NDF : 2215579.0/39

Out: 1724.039 +/- 0.249 χ^2/NDF : 2356255.7/42

All: 1730.908 +/- 0.179 χ^2/NDF : 4573404.7/82

asym_sam1_mean vs Slug, Sign Corrected



Right In: 119.363 $\pm$ 180.601 χ^2/NDF : 12.6/16

Left Out: -150.827 $\pm$ 81.678 χ^2/NDF : 22.0/23

Right Out: 200.642 $\pm$ 184.789 χ^2/NDF : 21.7/18

Left In: -58.934 $\pm$ 82.584 χ^2/NDF : 38.5/22

Left: -105.387 $\pm$ 58.073 χ^2/NDF : 61.2/46

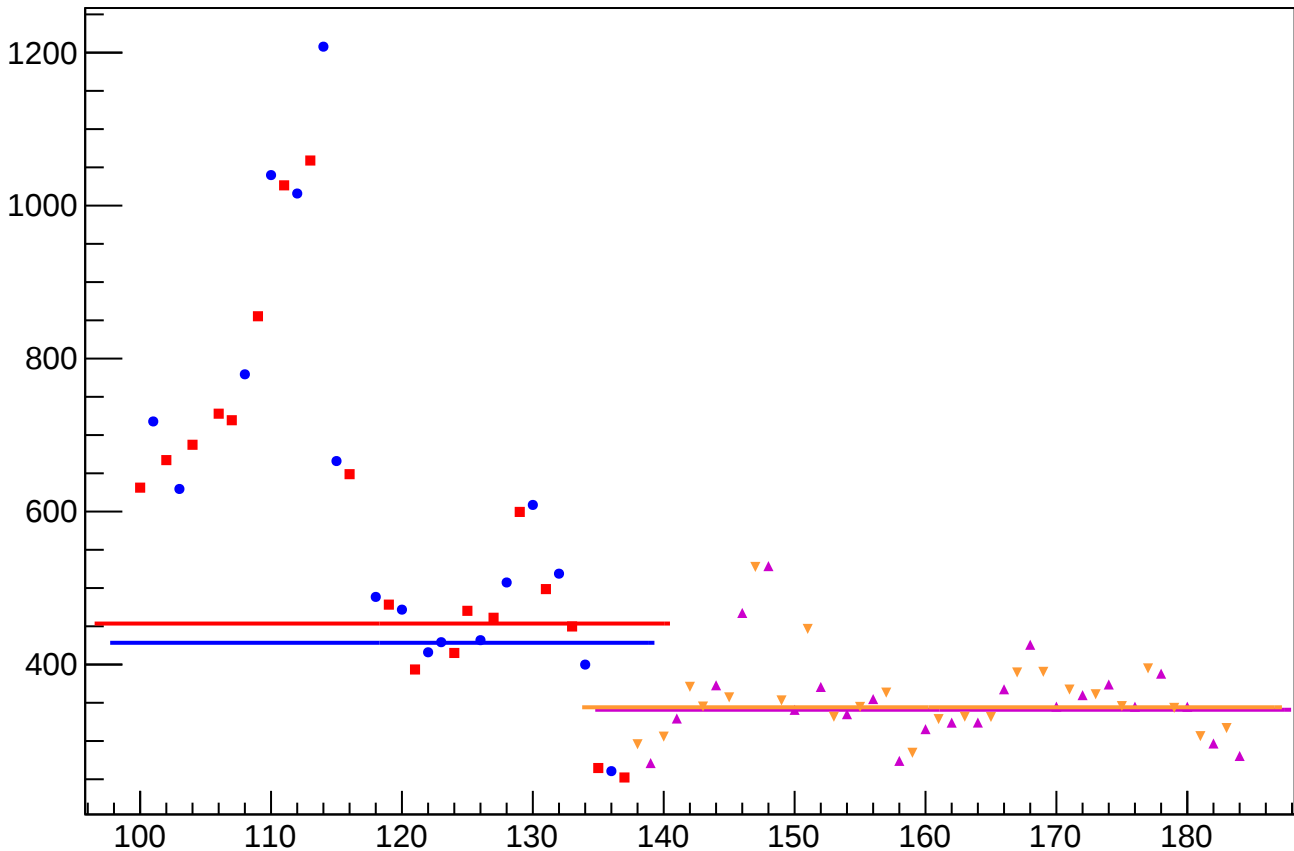
Right: 159.071 $\pm$ 129.160 χ^2/NDF : 34.4/35

In: -28.099 $\pm$ 75.105 χ^2/NDF : 52.0/39

Out: -93.383 $\pm$ 74.706 χ^2/NDF : 46.7/42

All: -60.915 $\pm$ 52.966 χ^2/NDF : 99.0/82

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.425+/-0.128 χ^2/NDF : 2006981.5/16

Left Out: 344.102+/-0.058 χ^2/NDF : 536637.5/23

Right Out: 453.578+/-0.131 χ^2/NDF : 2032377.4/18

Left In: 340.876+/-0.058 χ^2/NDF : 724672.0/22

Left: 342.507+/-0.041 χ^2/NDF : 1262852.3/46

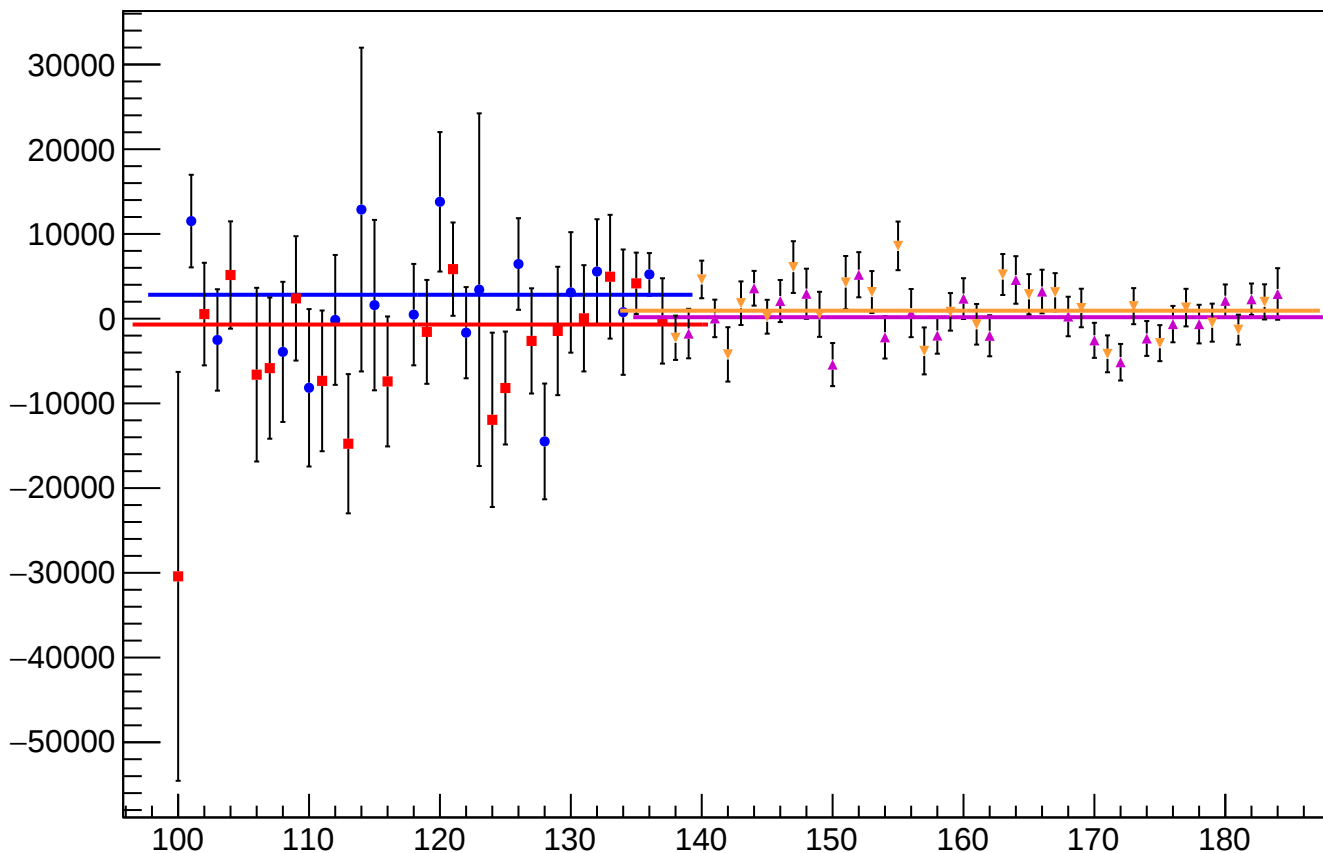
Right: 440.713+/-0.091 χ^2/NDF : 4058311.6/35

In: 356.017+/-0.053 χ^2/NDF : 3120364.0/39

Out: 361.995+/-0.053 χ^2/NDF : 3156250.3/42

All: 359.022+/-0.037 χ^2/NDF : 6282984.1/82

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2819.632+/-1450.791 χ^2/NDF : 16.5/16

Left Out: 941.420+/-480.164 χ^2/NDF : 38.2/23

Right Out: -691.793+/-1512.621 χ^2/NDF : 14.0/18

Left In: 172.391+/-488.067 χ^2/NDF : 33.2/22

Left: 563.182+/-342.287 χ^2/NDF : 72.6/46

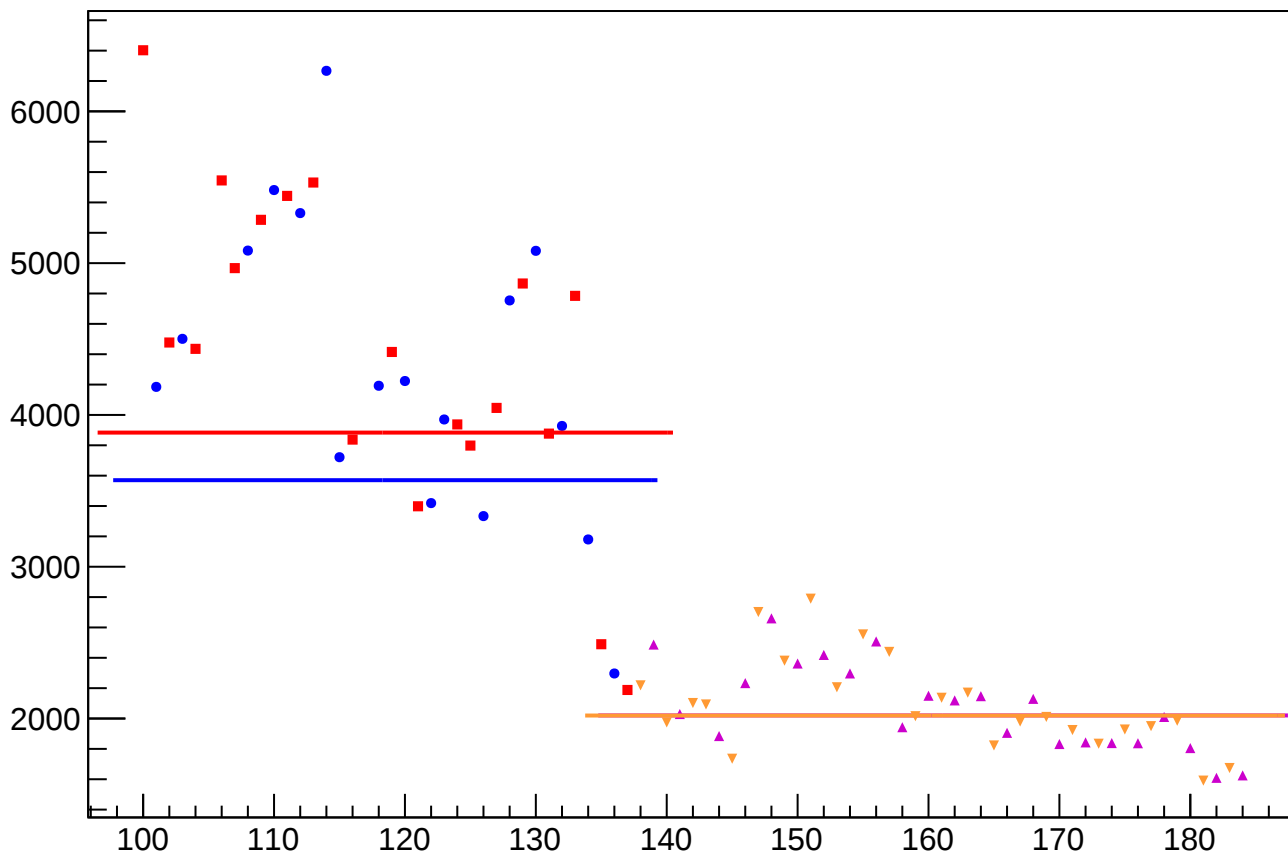
Right: 1137.151+/-1047.040 χ^2/NDF : 33.4/35

In: 441.532+/-462.592 χ^2/NDF : 52.7/39

Out: 791.911+/-457.659 χ^2/NDF : 53.3/42

All: 618.600+/-325.344 χ^2/NDF : 106.3/82

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3570.185 ± 1.026 $\chi^2/\text{NDF}: 1087907.4/16$

Left Out: 2019.789 ± 0.340 $\chi^2/\text{NDF}: 665403.5/23$

Right Out: 3883.722 ± 1.070 $\chi^2/\text{NDF}: 984493.3/18$

Left In: 2020.365 ± 0.345 $\chi^2/\text{NDF}: 573483.0/22$

Left: 2020.073 ± 0.242 $\chi^2/\text{NDF}: 1238887.9/46$

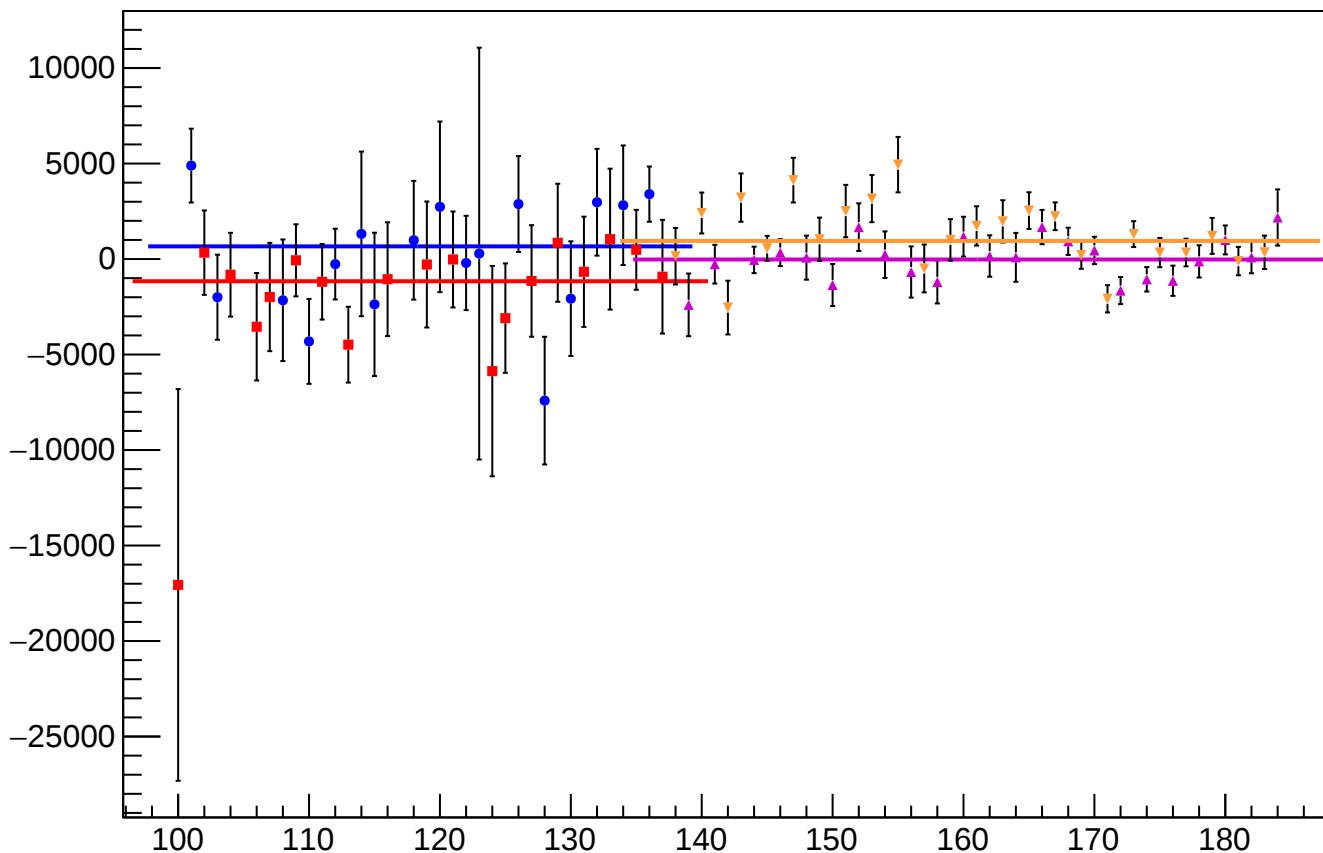
Right: 3720.415 ± 0.740 $\chi^2/\text{NDF}: 2117157.8/35$

In: 2177.933 ± 0.327 $\chi^2/\text{NDF}: 3711699.8/39$

Out: 2190.419 ± 0.324 $\chi^2/\text{NDF}: 4408787.2/42$

All: 2184.243 ± 0.230 $\chi^2/\text{NDF}: 8121223.3/82$

asym_sam3_mean vs Slug, Sign Corrected



Right In: 663.409 ± 622.512 χ^2/NDF : 25.5/16

Left Out: 946.530 ± 188.488 χ^2/NDF : 63.3/23

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: 460.595 ± 133.157 χ^2/NDF : 104.8/46

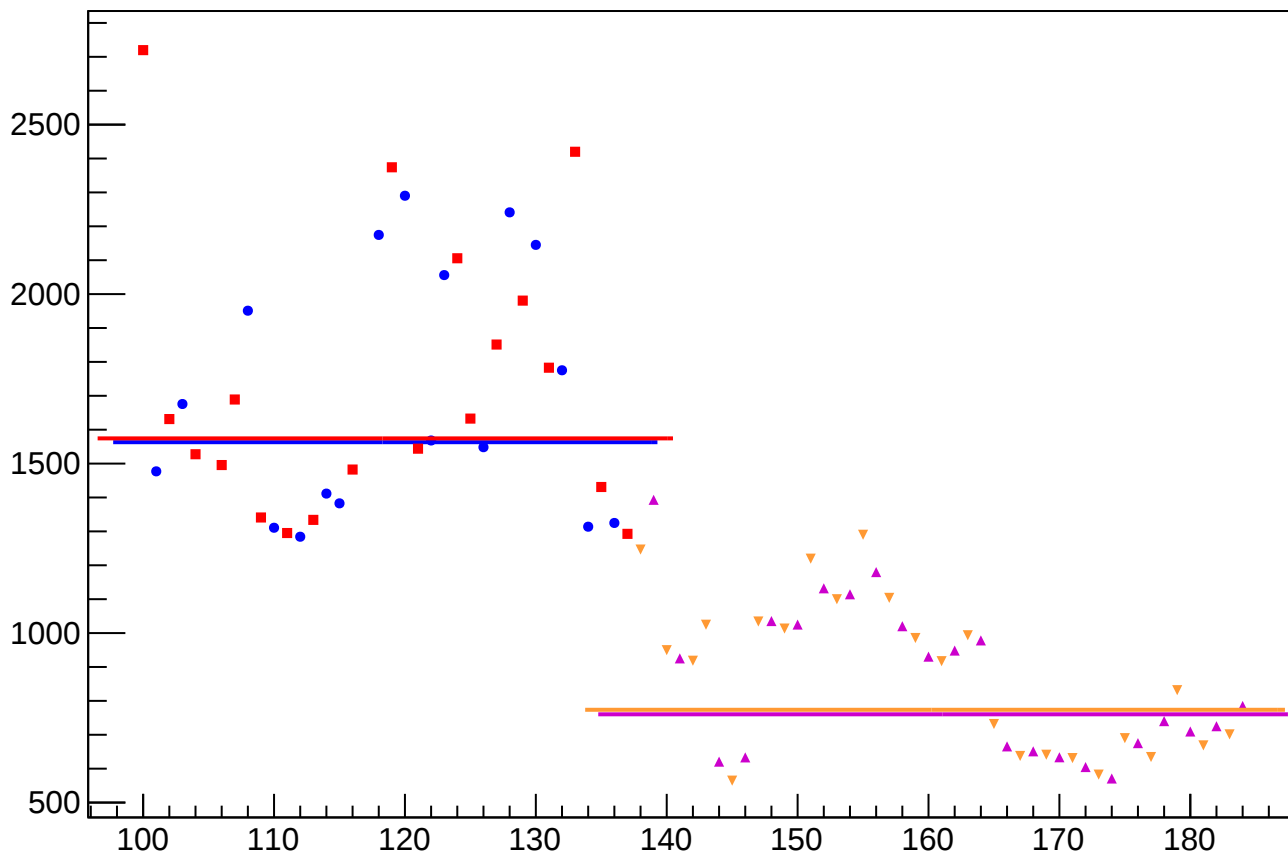
Right: -276.491 ± 433.619 χ^2/NDF : 39.6/35

In: 33.963 ± 180.092 χ^2/NDF : 54.8/39

Out: 759.579 ± 179.940 χ^2/NDF : 84.1/42

All: 397.077 ± 127.290 χ^2/NDF : 147.0/82

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1563.098 $\pm$ 0.440 χ^2 /NDF: 487653.4/16

Left Out: 773.723 $\pm$ 0.133 χ^2 /NDF: 2229891.9/23

Right Out: 1574.361 $\pm$ 0.427 χ^2 /NDF: 466428.6/18

Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

Left: 767.025 $\pm$ 0.094 χ^2 /NDF: 4221683.2/46

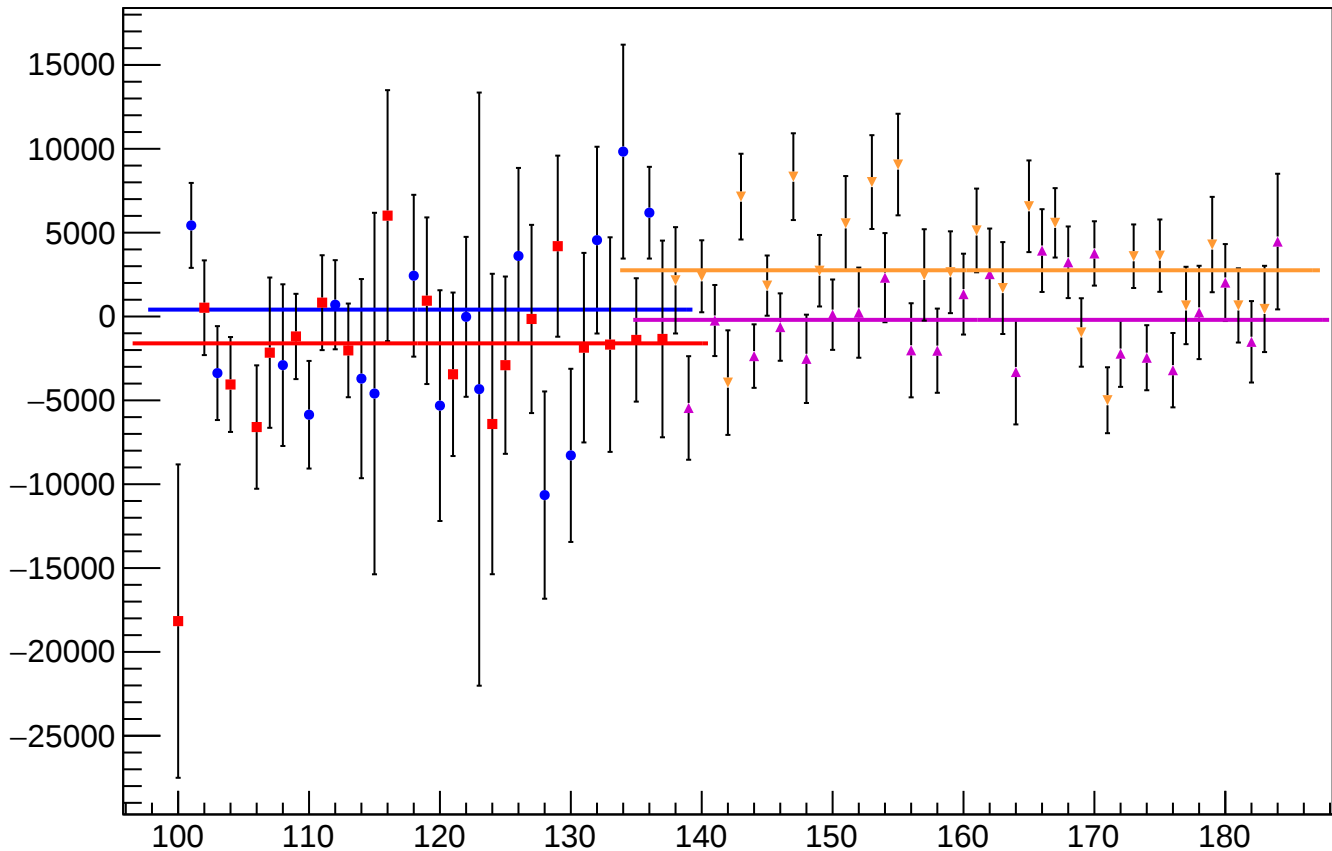
Right: 1568.896 $\pm$ 0.307 χ^2 /NDF: 954419.1/35

In: 827.537 $\pm$ 0.127 χ^2 /NDF: 5521821.5/39

Out: 844.699 $\pm$ 0.127 χ^2 /NDF: 5895290.8/42

All: 836.125 $\pm$ 0.090 χ^2 /NDF: 11426201.6/82

asym_sam4_mean vs Slug, Sign Corrected



Right In: 411.092 $\pm$ 998.047 χ^2 /NDF: 25.3/16

Left Out: 2756.766 $\pm$ 485.815 χ^2 /NDF:48.3/23

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: 1297.641 $\pm$ 345.718 χ^2 /NDF: 92.4/46

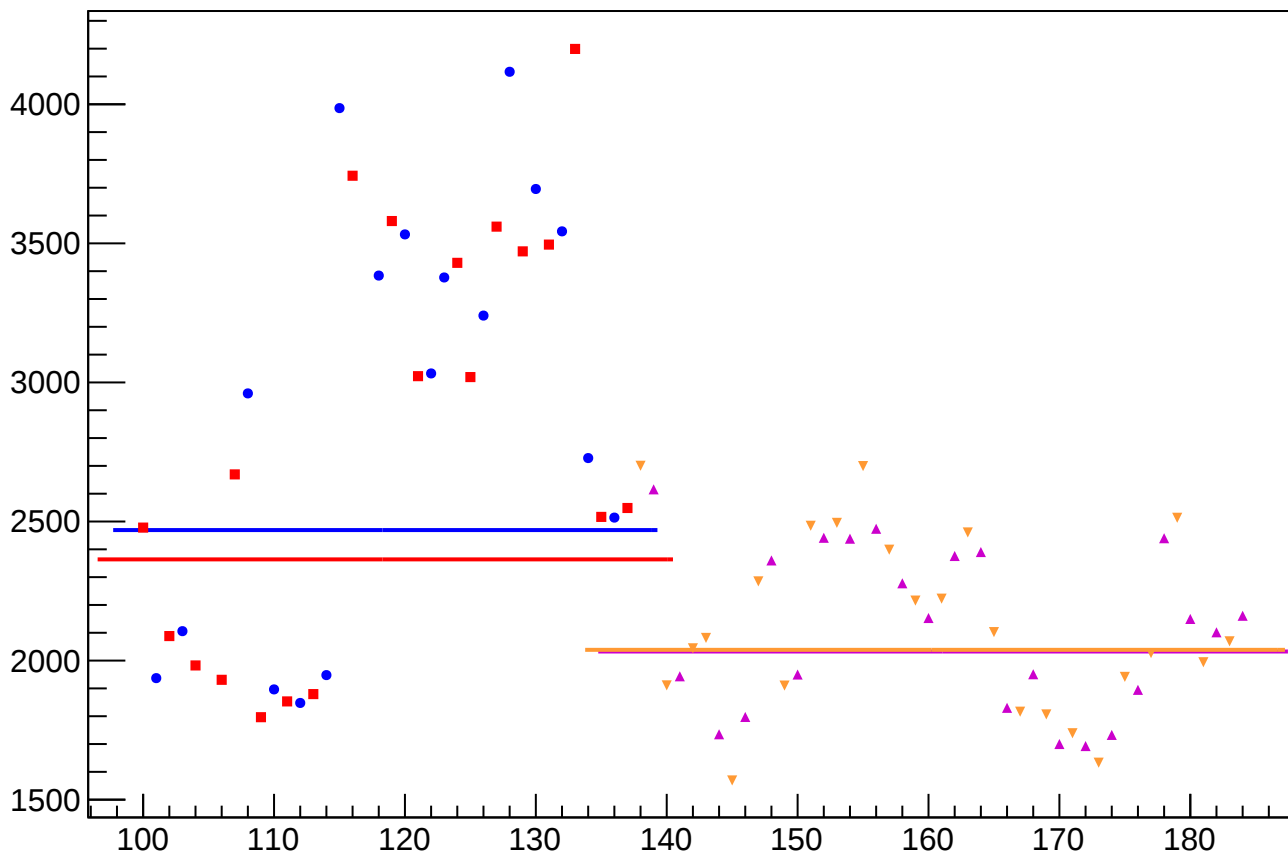
Right: -670.473 $\pm$ 678.736 χ^2 /NDF: 37.6/35

In: -79.992 $\pm$ 441.353 χ^2 /NDF:51.4/39

Out: 1815.827 $\pm$ 430.181 χ^2 /NDF:75.8/42

All: 892.214 $\pm$ 308.058 χ^2 /NDF: 136.6/82

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2469.233+/-0.706 χ^2/NDF : 900151.2/16

Left Out: 2038.661+/-0.344 χ^2/NDF : 808362.8/23

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: 2035.696+/-0.244 χ^2/NDF : 1461277.4/46

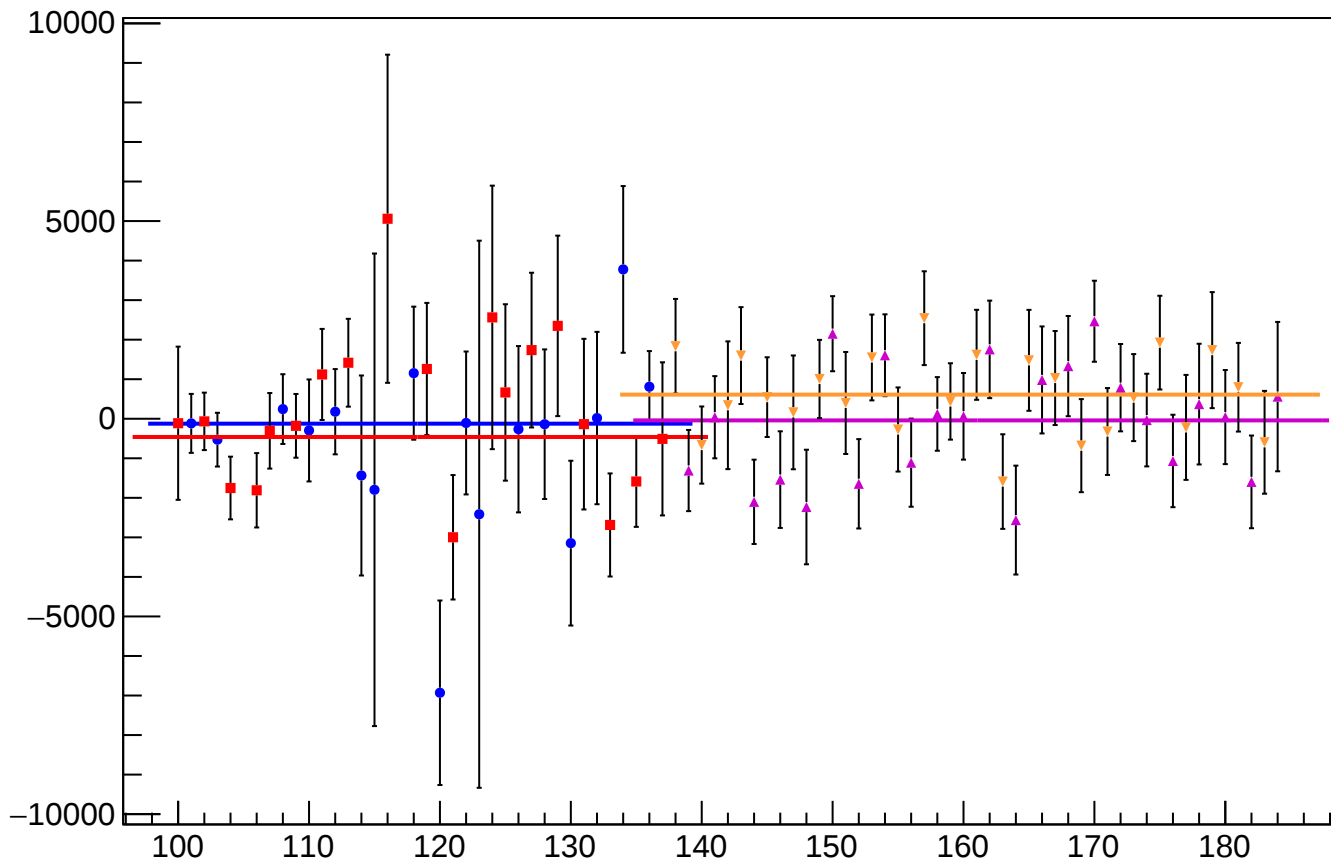
Right: 2412.586+/-0.480 χ^2/NDF : 1938372.6/35

In: 2118.030+/-0.312 χ^2/NDF : 1860771.7/39

Out: 2108.874+/-0.304 χ^2/NDF : 2028078.3/42

All: 2113.335+/-0.218 χ^2/NDF : 3889291.3/82

asym_sam5_mean vs Slug, Sign Corrected



Right In: -124.338+/-313.734 χ^2/NDF : 16.8/16

Left Out: 610.370+/-237.685 χ^2/NDF : 17.6/23

Right Out: -461.203+/-283.135 χ^2/NDF : 23.1/18

Left In: -41.559+/-240.807 χ^2/NDF : 36.4/22

Left: 288.659+/-169.162 χ^2/NDF : 57.7/46

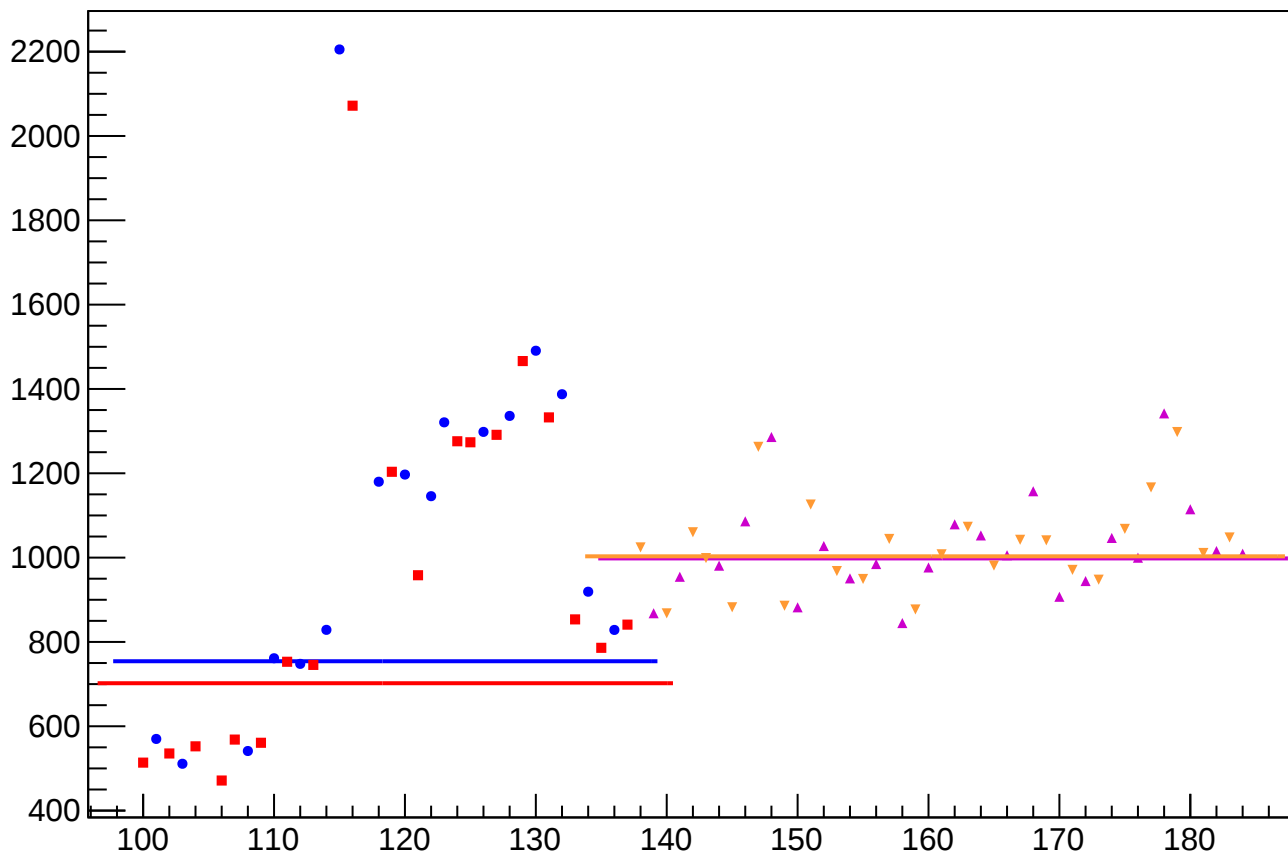
Right: -309.995+/-210.195 χ^2/NDF : 40.5/35

In: -72.248+/-191.025 χ^2/NDF : 53.2/39

Out: 167.389+/-182.044 χ^2/NDF : 49.1/42

All: 53.336+/-131.785 χ^2/NDF : 103.1/82

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.219 $\pm$ 0.222 χ^2 /NDF: 1689131.5/16

Left Out: 1003.062 $\pm$ 0.168 χ^2 /NDF: 363337.9/23

Right Out: 702.074 $\pm$ 0.200 χ^2 /NDF: 1689098.6/18

Left In: 998.050 $\pm$ 0.170 χ^2 /NDF: 404656.2/22

Left: 1000.589 $\pm$ 0.120 χ^2 /NDF: 768432.9/46

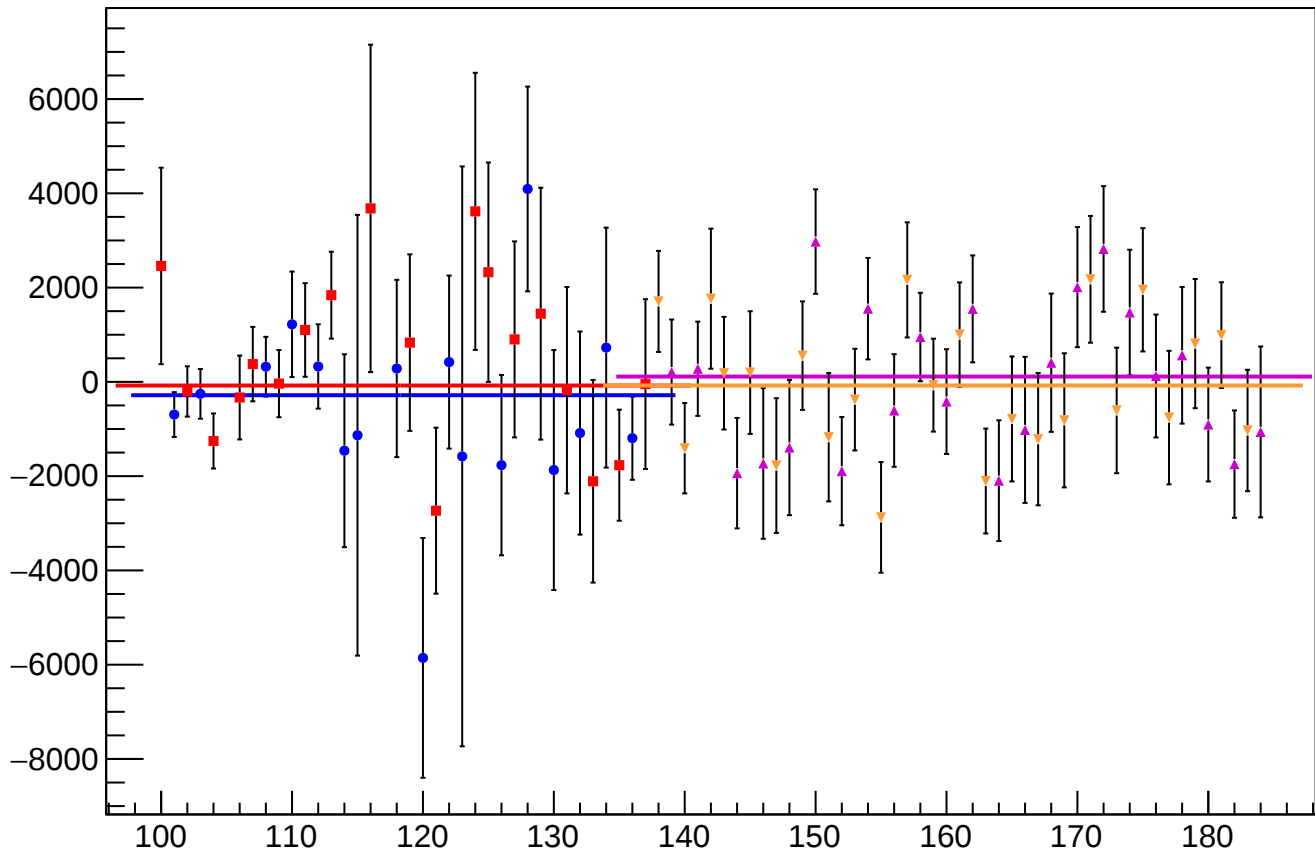
Right: 725.480 $\pm$ 0.149 χ^2 /NDF: 3408679.8/35

In: 907.655 $\pm$ 0.135 χ^2 /NDF: 2853979.8/39

Out: 878.636 $\pm$ 0.129 χ^2 /NDF: 3378263.4/42

All: 892.447 $\pm$ 0.093 χ^2 /NDF: 6256431.7/82

asym_sam6_mean vs Slug, Sign Corrected



Right In: -283.172 ± 250.683 $\chi^2/\text{NDF}: 15.8/16$

Left Out: -77.257 ± 249.251 $\chi^2/\text{NDF}: 30.8/23$

Right Out: -77.591 ± 246.211 $\chi^2/\text{NDF}: 21.6/18$

Left In: 112.398 ± 255.409 $\chi^2/\text{NDF}: 34.9/22$

Left: 15.257 ± 178.385 $\chi^2/\text{NDF}: 65.9/46$

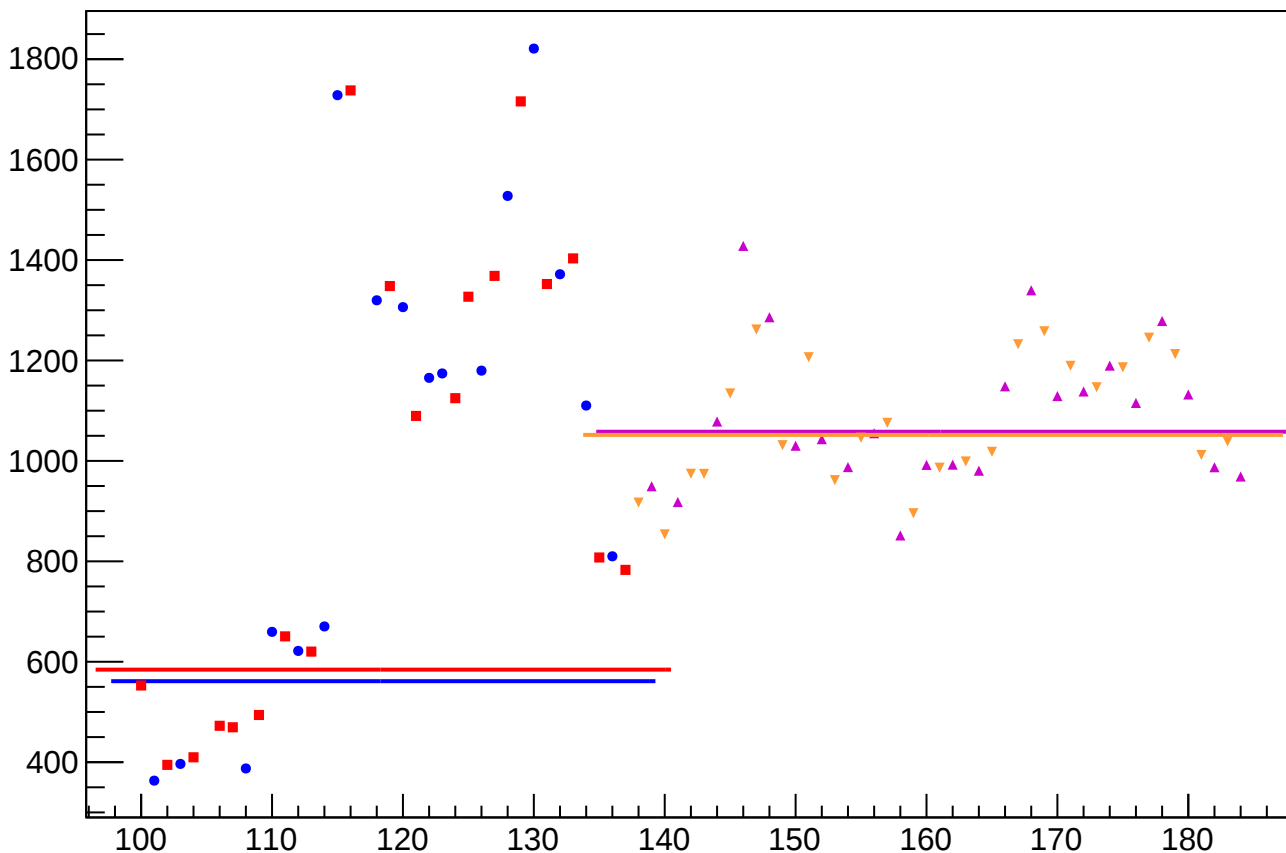
Right: -178.531 ± 175.657 $\chi^2/\text{NDF}: 37.7/35$

In: -89.081 ± 178.907 $\chi^2/\text{NDF}: 51.9/39$

Out: -77.426 ± 175.162 $\chi^2/\text{NDF}: 52.3/42$

All: -83.130 ± 125.161 $\chi^2/\text{NDF}: 104.2/82$

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.319 $\pm$ 0.177 χ^2 /NDF: 3211255.9/16

Left Out: 1051.810 $\pm$ 0.176 χ^2 /NDF: 481389.2/23

Right Out: 584.345 $\pm$ 0.174 χ^2 /NDF: 2813611.9/18

Left In: 1058.097 $\pm$ 0.181 χ^2 /NDF: 528574.7/22

Left: 1054.877 $\pm$ 0.126 χ^2 /NDF: 1010584.5/46

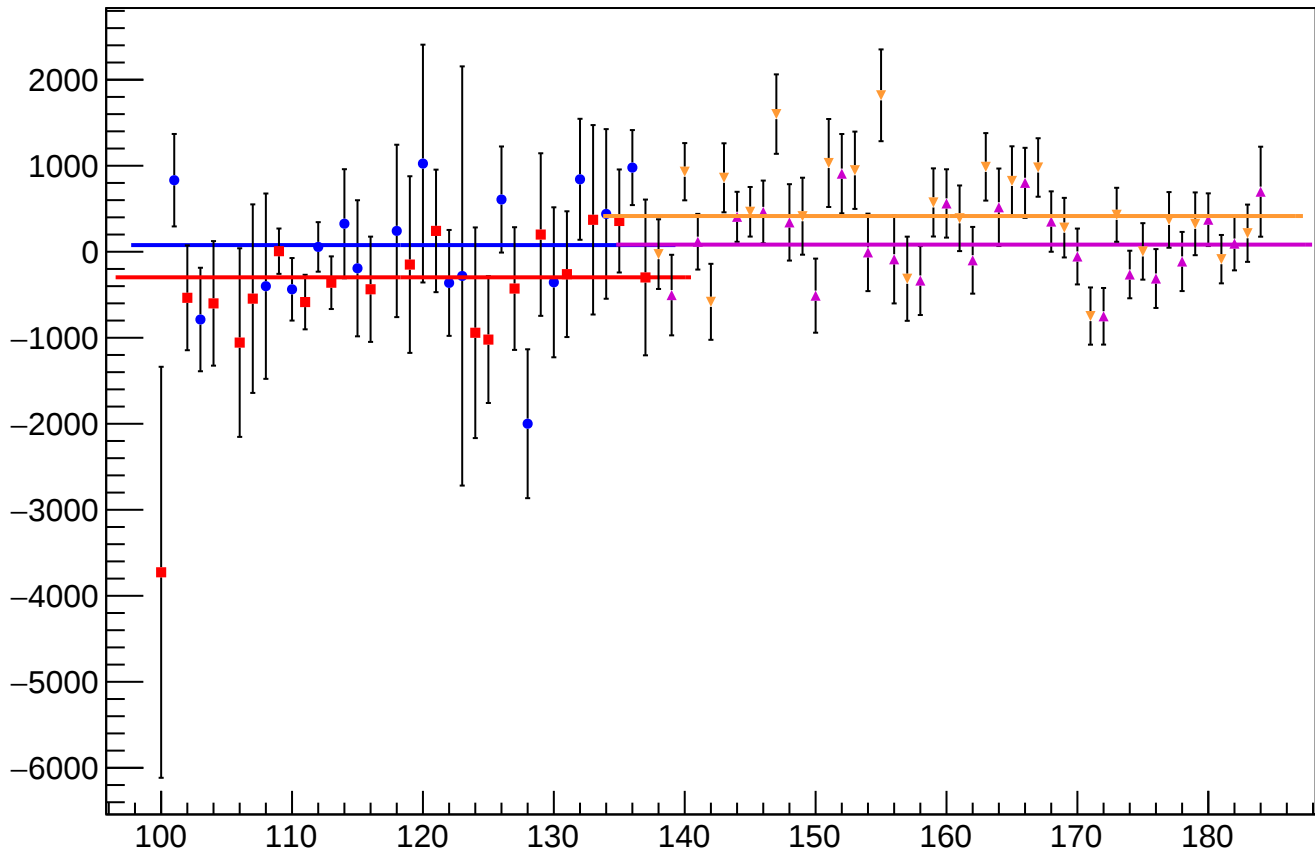
Right: 573.040 $\pm$ 0.124 χ^2 /NDF: 6033456.5/35

In: 805.069 $\pm$ 0.127 χ^2 /NDF: 7593612.5/39

Out: 815.209 $\pm$ 0.124 χ^2 /NDF: 6855583.0/42

All: 810.246 $\pm$ 0.089 χ^2 /NDF: 14452475.7/82

asym_sam7_mean vs Slug, Sign Corrected



Right In: 77.417 ± 143.270 χ^2/NDF : 19.9/16

Left Out: 415.264 ± 75.654 χ^2/NDF : 52.2/23

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: 251.800 ± 53.932 χ^2/NDF : 90.6/46

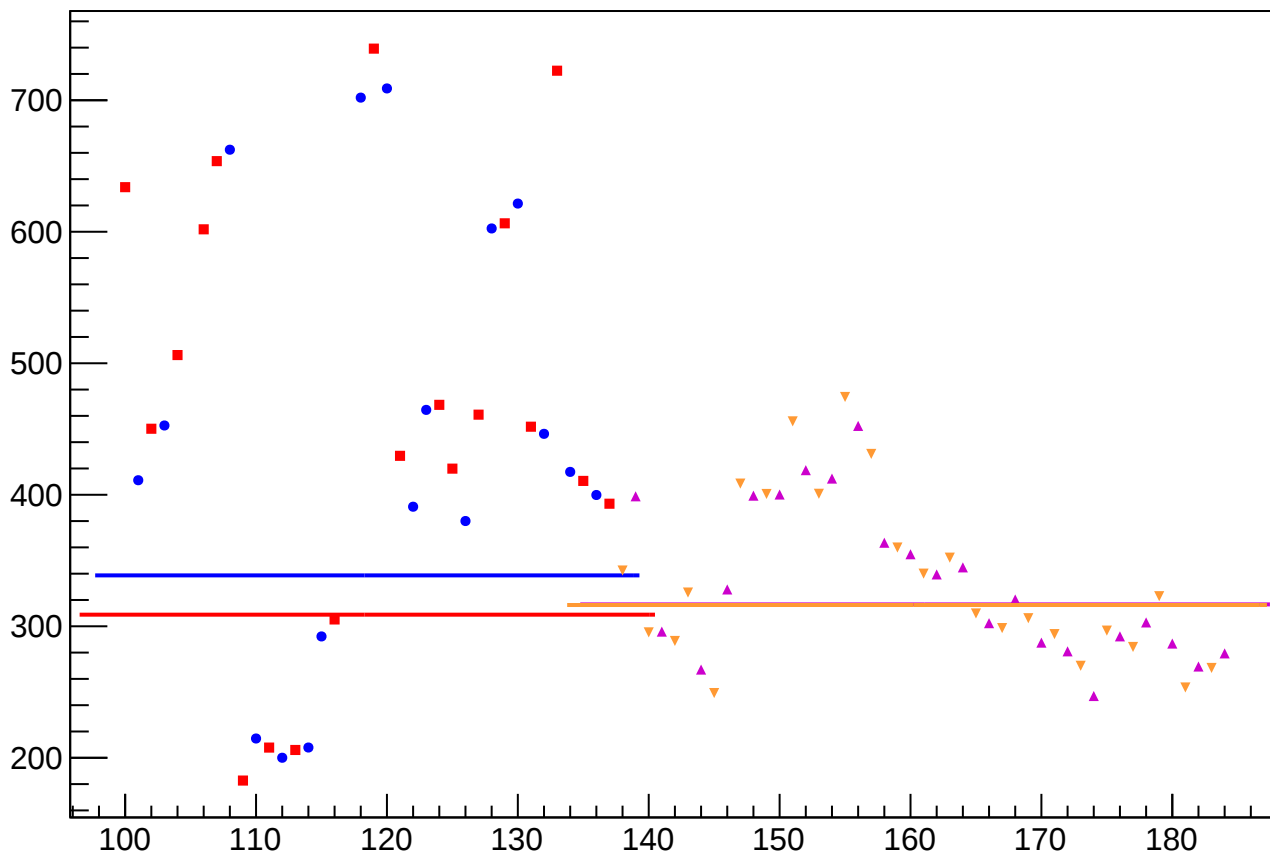
Right: -128.310 ± 96.198 χ^2/NDF : 32.5/35

In: 81.666 ± 67.759 χ^2/NDF : 48.9/39

Out: 234.630 ± 65.364 χ^2/NDF : 83.5/42

All: 160.899 ± 47.043 χ^2/NDF : 135.0/82

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.706 $\pm$ 0.101 χ^2/NDF : 2007568.0/16

Left Out: 316.185 $\pm$ 0.053 χ^2/NDF :1066491.0/23

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: 316.412 $\pm$ 0.038 χ^2/NDF : 1987401.6/46

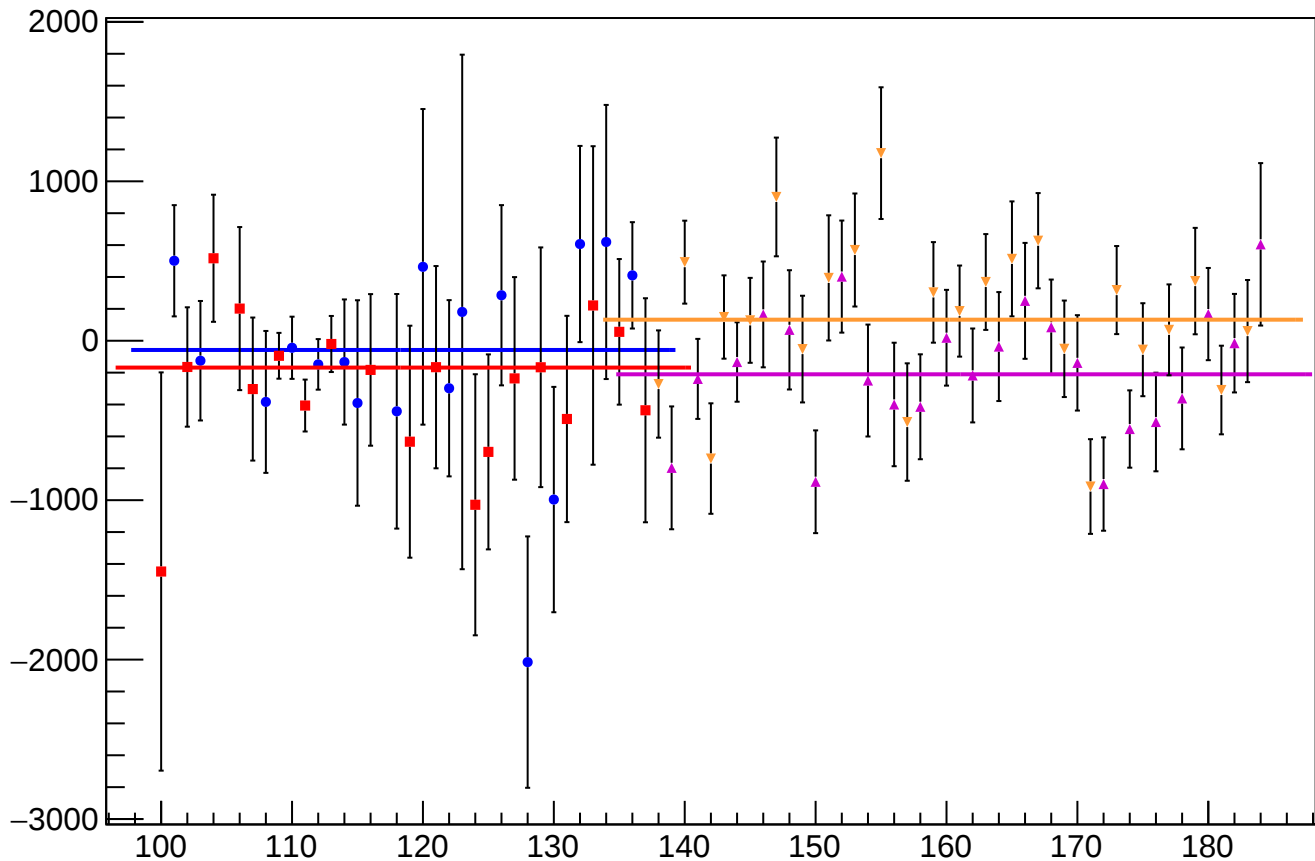
Right: 322.301 $\pm$ 0.068 χ^2/NDF : 4788026.7/35

In: 321.581 $\pm$ 0.048 χ^2/NDF :2965249.4/39

Out: 314.321 $\pm$ 0.046 χ^2/NDF :3803989.7/42

All: 317.820 $\pm$ 0.033 χ^2/NDF : 6781131.3/82

asym_sam8_mean vs Slug, Sign Corrected



Right In: -57.851+/-90.694 χ^2/NDF : 16.6/16

Left Out: 132.124+/-63.516 χ^2/NDF : 47.3/23

Right Out: -168.323+/-76.968 χ^2/NDF : 10.8/18

Left In: -210.453+/-65.510 χ^2/NDF : 29.2/22

Left: -33.870+/-45.601 χ^2/NDF : 90.5/46

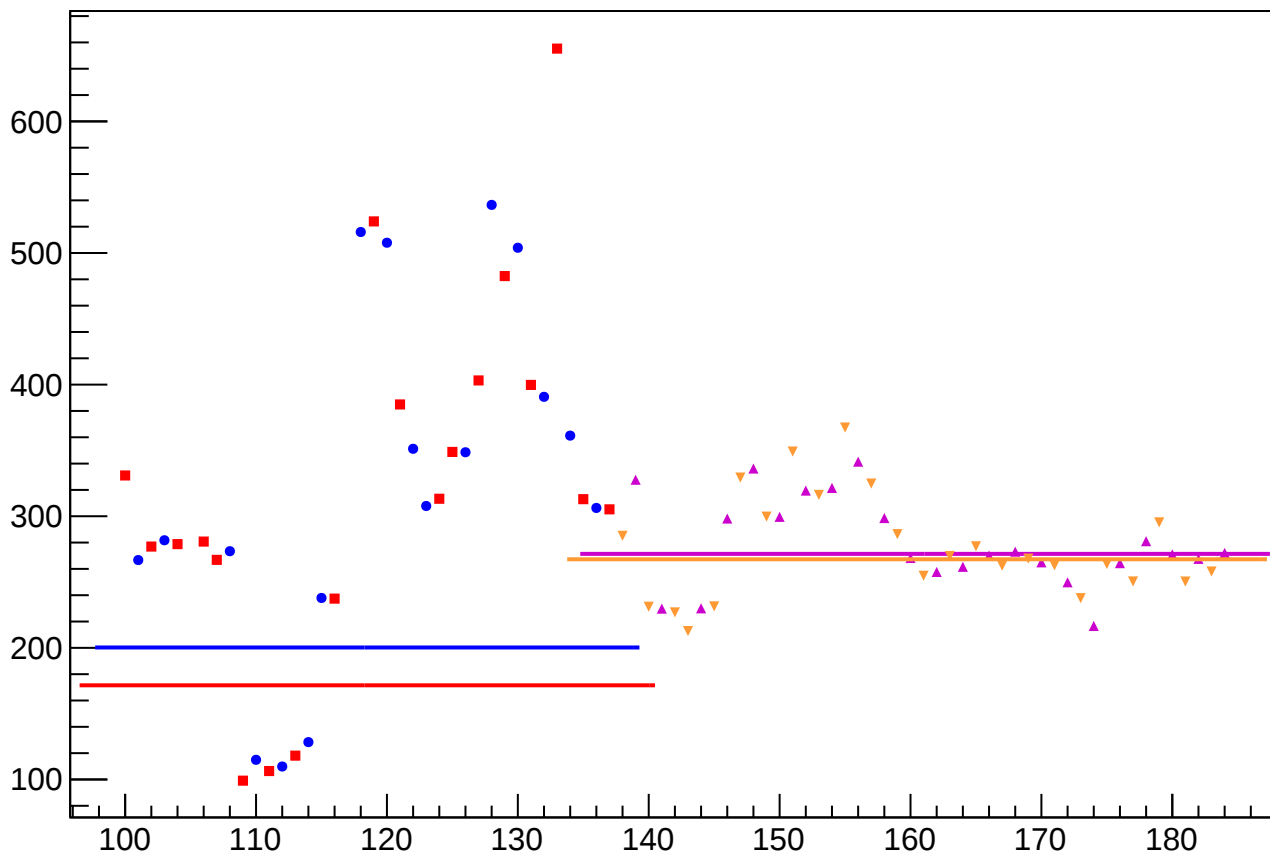
Right: -122.071+/-58.684 χ^2/NDF : 28.2/35

In: -158.132+/-53.105 χ^2/NDF : 47.6/39

Out: 10.408+/-48.989 χ^2/NDF : 67.1/42

All: -67.077+/-36.008 χ^2/NDF : 120.2/82

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.283+/-0.064 χ^2/NDF : 3381863.8/16

Left Out: 267.299+/-0.045 χ^2/NDF : 627202.8/23

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: 269.293+/-0.032 χ^2/NDF : 1153150.0/46

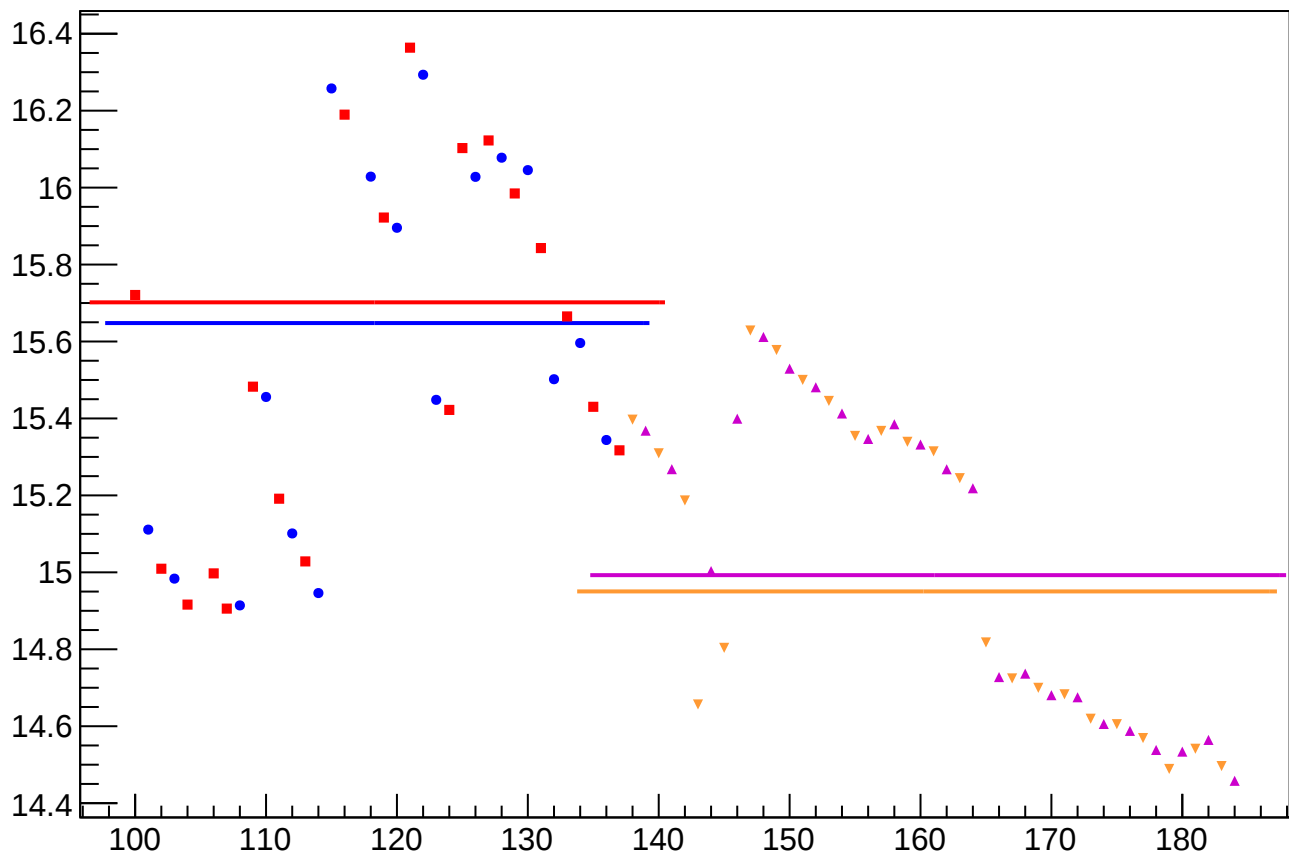
Right: 183.578+/-0.041 χ^2/NDF : 7581834.4/35

In: 247.027+/-0.038 χ^2/NDF : 4712185.9/39

Out: 228.508+/-0.035 χ^2/NDF : 6551827.4/42

All: 237.022+/-0.025 χ^2/NDF : 11395401.9/82

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.648 $\pm$ 0.000 χ^2 /NDF: 5445005645.2/16

Left Out: 14.950 $\pm$ 0.000 χ^2 /NDF: 23522756338.3/23

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: 14.971 $\pm$ 0.000 χ^2 /NDF: 45686616070.1/46

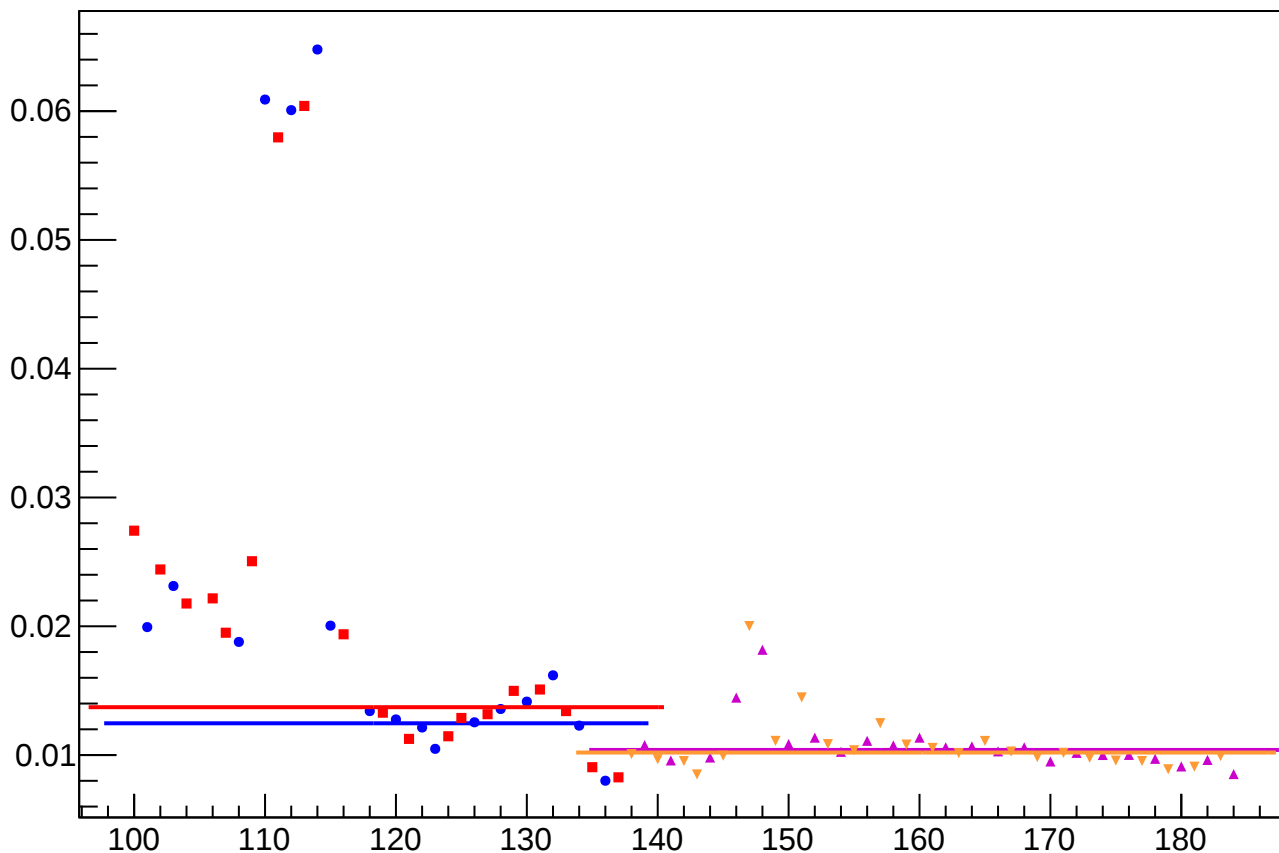
Right: 15.673 $\pm$ 0.000 χ^2 /NDF: 10623032652.9/35

In: 15.110 $\pm$ 0.000 χ^2 /NDF: 39136485627.9/39

Out: 15.063 $\pm$ 0.000 χ^2 /NDF: 42487280600.2/42

All: 15.086 $\pm$ 0.000 χ^2 /NDF: 81825677285.5

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 : 700463.7/23

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 : 1251056.8/46

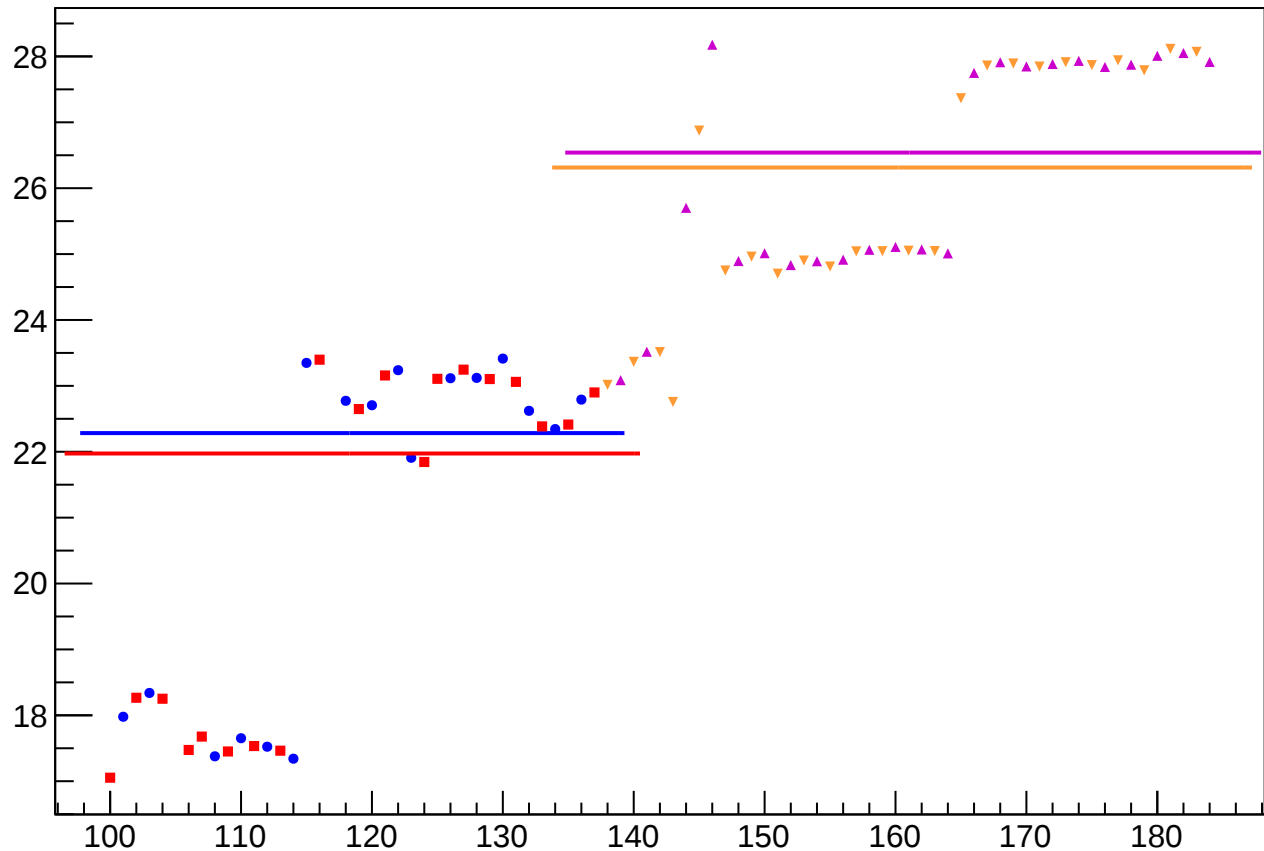
Right: 0.013 $\pm$ 0.000 χ^2/NDF : 4271082.5/35

In: 0.011 $\pm$ 0.000 χ^2/NDF : 2921945.0/39

Out: 0.011 $\pm$ 0.000 χ^2/NDF : 3385569.2/42

All: 0.011 $\pm$ 0.000 χ^2/NDF : 6307823.3/82

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.283+/-0.000 χ^2/NDF : 929007366.8/16

Left Out: 26.314+/-0.000 χ^2/NDF : 4444858180.0/23

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 : 7788417910.7/46

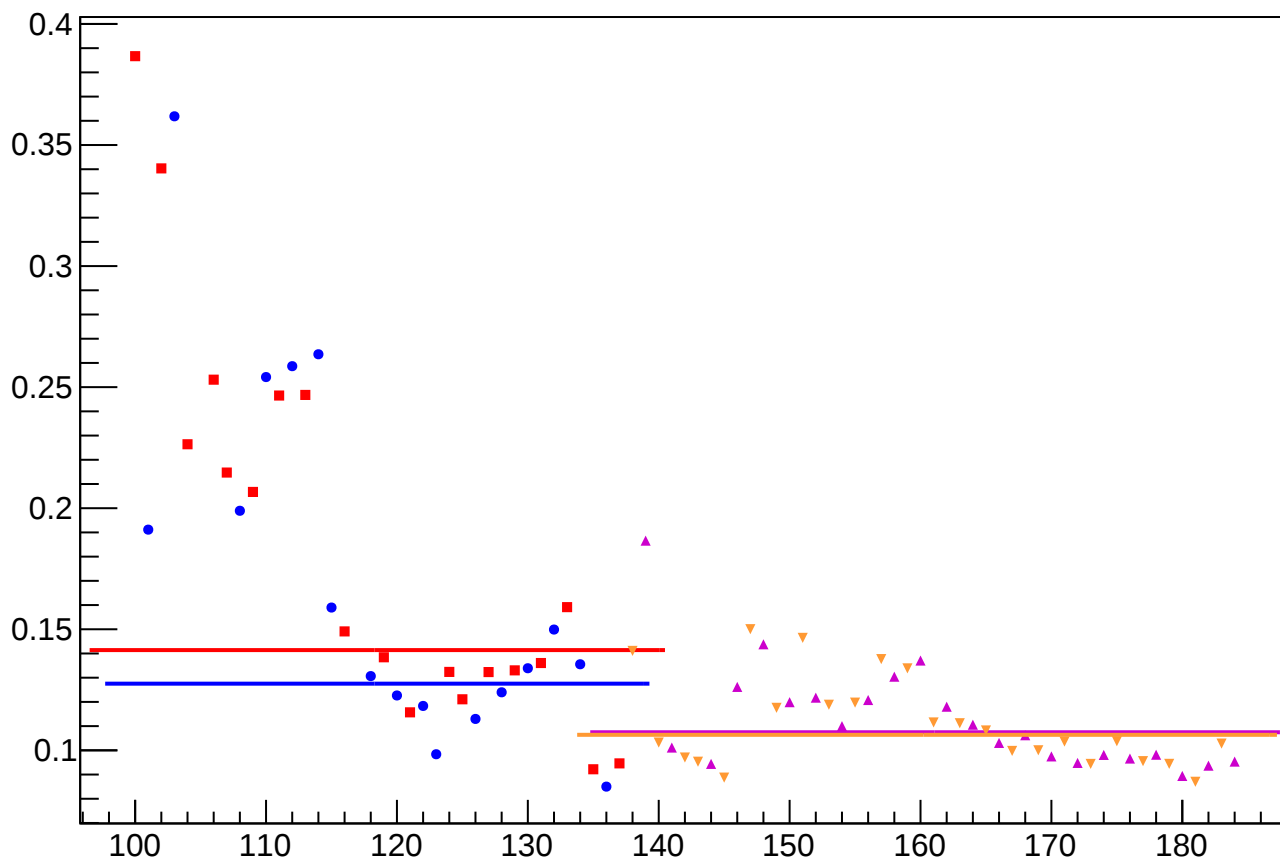
Right: 22.138+/-0.000 χ^2/NDF : 1992639915.1/35

In: 25.717+/-0.000 χ^2/NDF : 8776287471.6/39

Out: 25.589+/-0.000 χ^2/NDF : 9802320284.2/42

All: 25.652+/-0.000 χ^2/NDF : 18592008889.0

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 : 708266.4/23

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 : 1480880.2/46

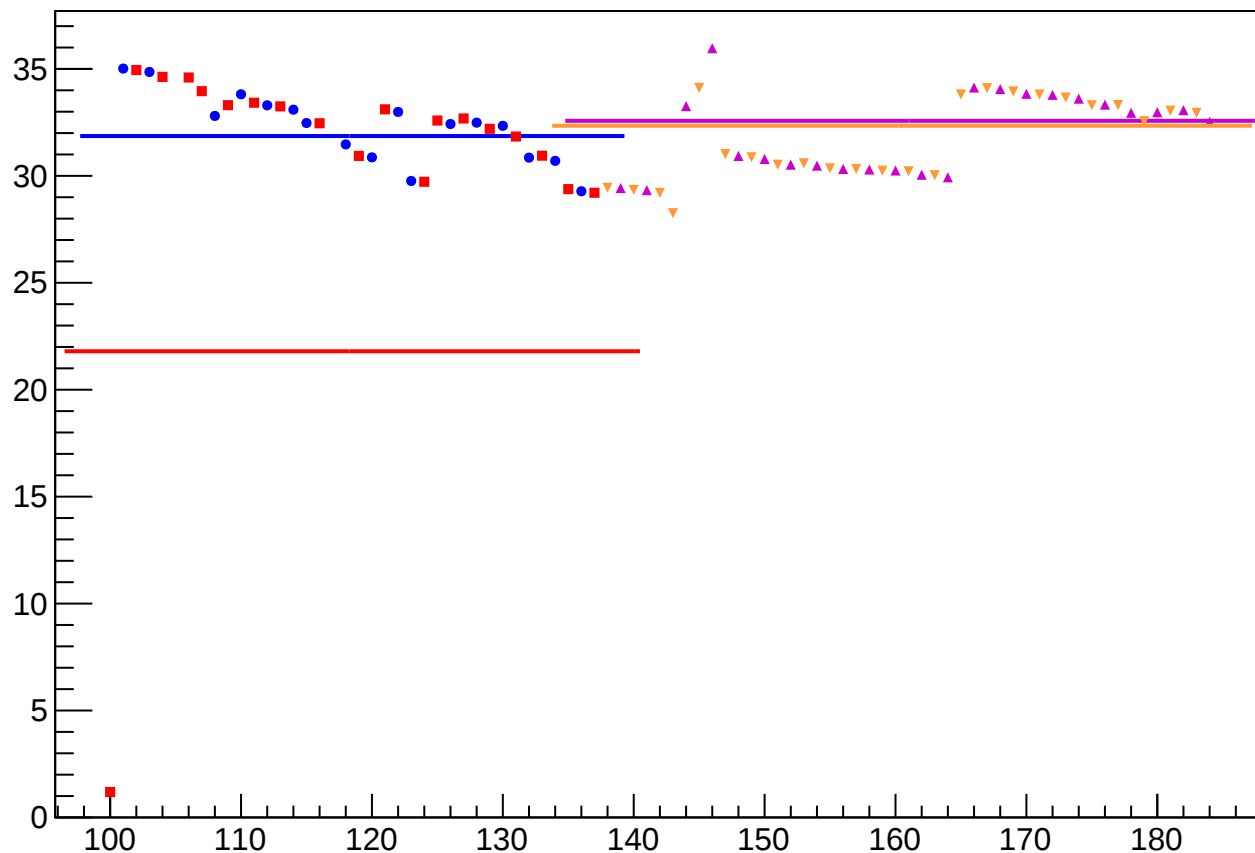
Right: 0.134+/-0.000 χ^2/NDF : 2993911.6/35

In: 0.111+/-0.000 χ^2/NDF : 2463020.3/39

Out: 0.112+/-0.000 χ^2/NDF : 2715872.7/42

All: 0.112+/-0.000 χ^2/NDF : 5180234.3/82

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.862+/-0.000

χ^2/NDF : 1902439059.8/16

Left Out: 32.342+/-0.000

χ^2/NDF : 12273559551.5/23

Right Out: 21.798+/-0.000

χ^2/NDF : 228949728350.0/18

Left In: 32.574+/-0.000

χ^2/NDF : 11797772603.7/22

Left: 32.458+/-0.000

χ^2/NDF : 24177286673.1/46

Right: 25.861+/-0.000

χ^2/NDF : 274215683438.6/35

In: 32.464+/-0.000

χ^2/NDF : 14008114012.7/39

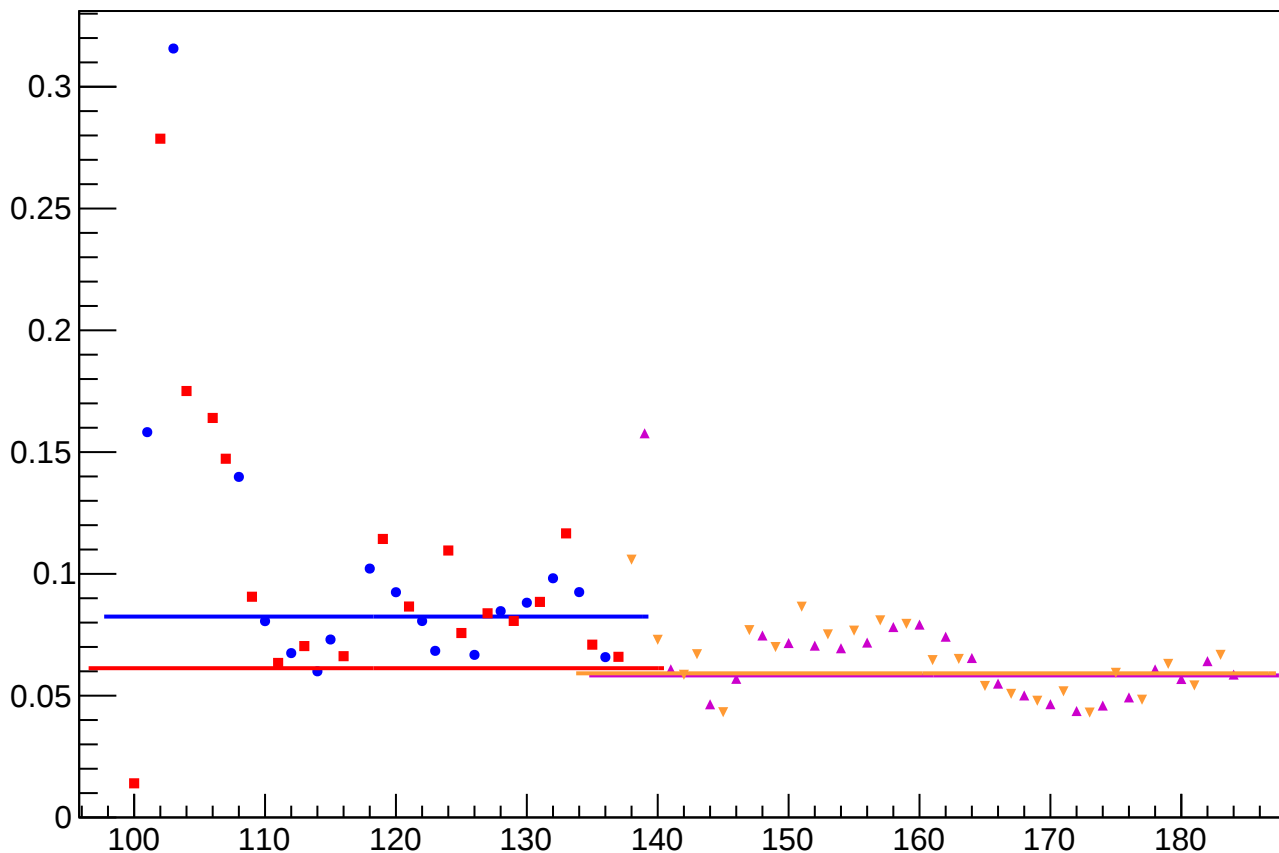
Out: 30.119+/-0.000

χ^2/NDF : 334267340903.4/42

All: 31.244+/-0.000

χ^2/NDF : 361537376972.0/100

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.082 $\pm$ 0.000 χ^2 /NDF: 1182597.0/16

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1383207.4/23

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3604725.9/18

Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

Left: 0.059 $\pm$ 0.000 χ^2 /NDF: 2911589.3/46

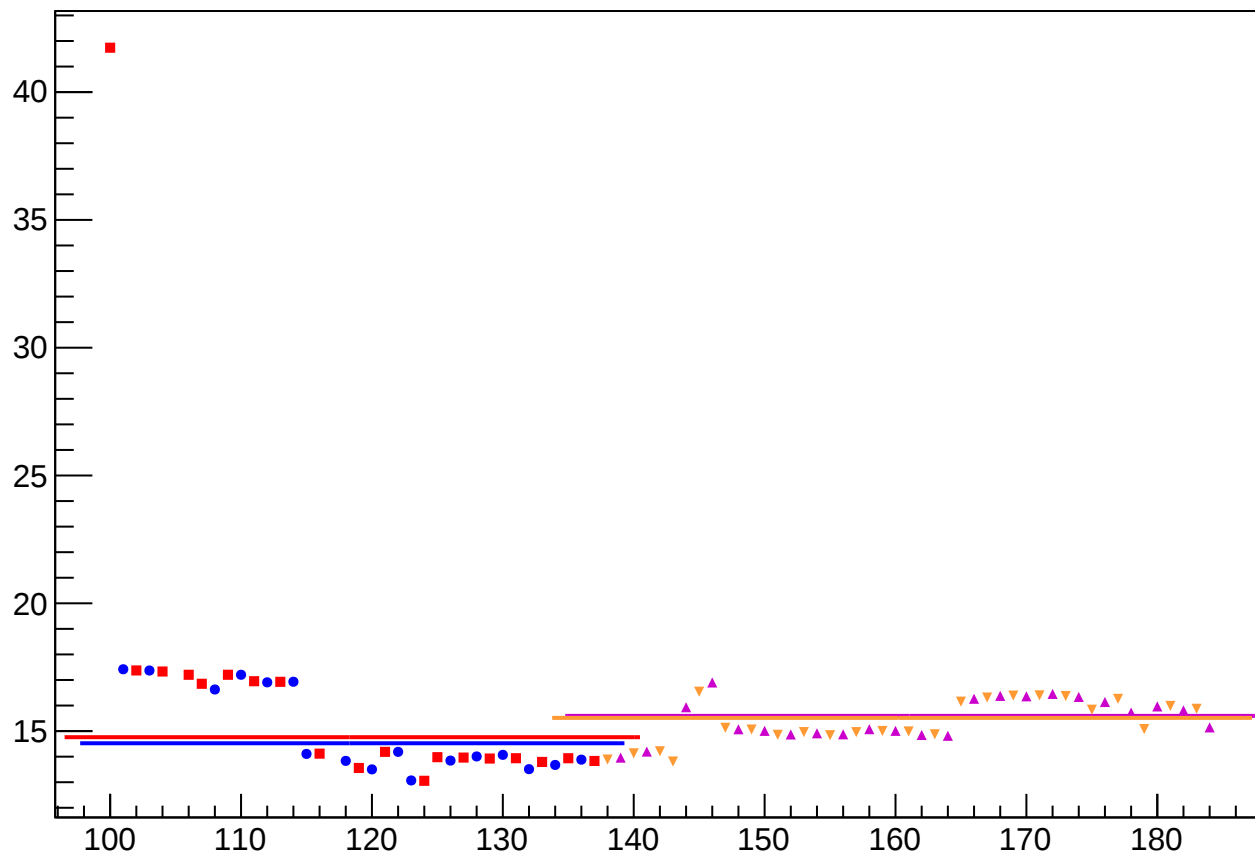
Right: 0.070 $\pm$ 0.000 χ^2 /NDF: 5171964.2/35

In: 0.062 $\pm$ 0.000 χ^2 /NDF:3416466.4/39

Out: 0.060 $\pm$ 0.000 χ^2 /NDF:4995355.7/42

All: 0.061 $\pm$ 0.000 χ^2 /NDF: 8440517.6/82

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.524+/-0.000 χ^2/NDF : 1485492036.5/16

Left Out: 15.517+/-0.000 χ^2/NDF : 2426390555.1/23

Right Out: 14.762+/-0.000 χ^2/NDF : 1903088882.9/18

Left In: 15.595+/-0.000 χ^2/NDF : 1908733580.5/22

Left: 15.555+/-0.000 χ^2/NDF : 4345998392.7/46

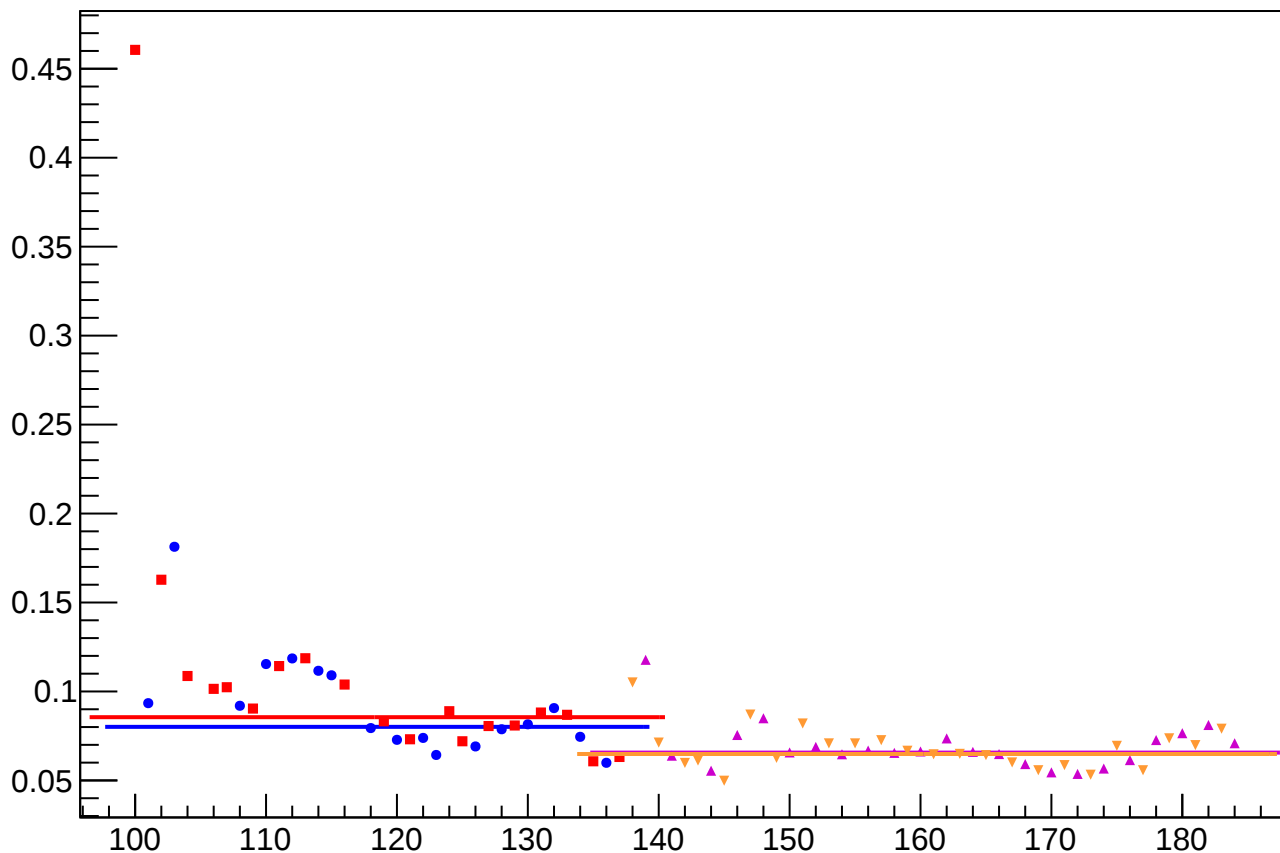
Right: 14.639+/-0.000 χ^2/NDF : 3411928914.0/35

In: 15.381+/-0.000 χ^2/NDF : 4182070230.9/39

Out: 15.381+/-0.000 χ^2/NDF : 4703510654.3/42

All: 15.381+/-0.000 χ^2/NDF : 8885581707.8/80

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF : 775791.3/16

Left Out: 0.065+/-0.000 χ^2/NDF : 735213.1/23

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 : 1452136.9/46

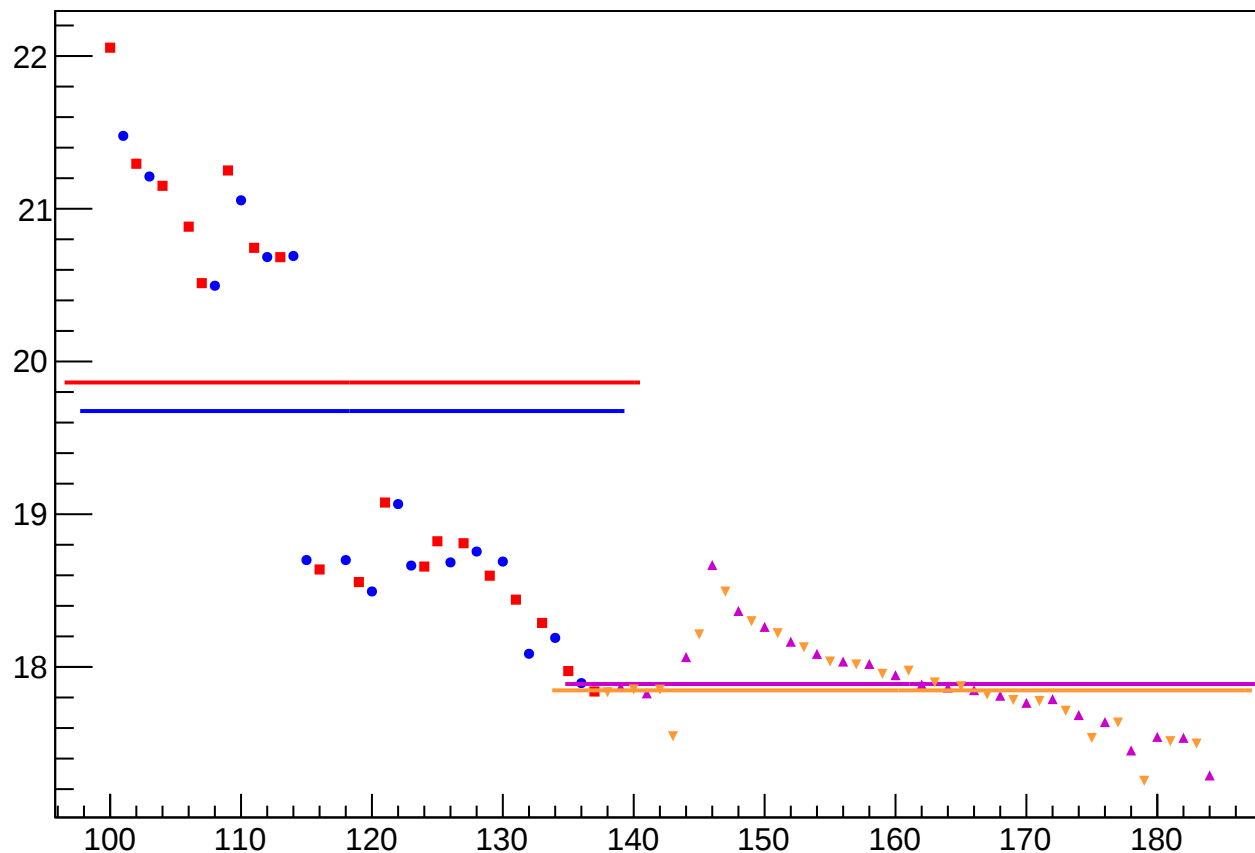
Right: 0.083+/-0.000 χ^2/NDF : 1539017.7/35

In: 0.069+/-0.000 χ^2/NDF : 1777970.3/39

Out: 0.069+/-0.000 χ^2/NDF : 2035769.3/42

All: 0.069+/-0.000 χ^2/NDF : 3813749.7/82

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.676 $\pm$ 0.000 χ^2/NDF : 12360927493.1/16

Left Out: 17.847 $\pm$ 0.000 χ^2/NDF : 1256607277.1/23

Right Out: 19.863 $\pm$ 0.000 χ^2/NDF : 11443358824.6/18

Left In: 17.888 $\pm$ 0.000 χ^2/NDF : 1203002311.3/22

Left: 17.867 $\pm$ 0.000 χ^2/NDF : 2474909673.4/46

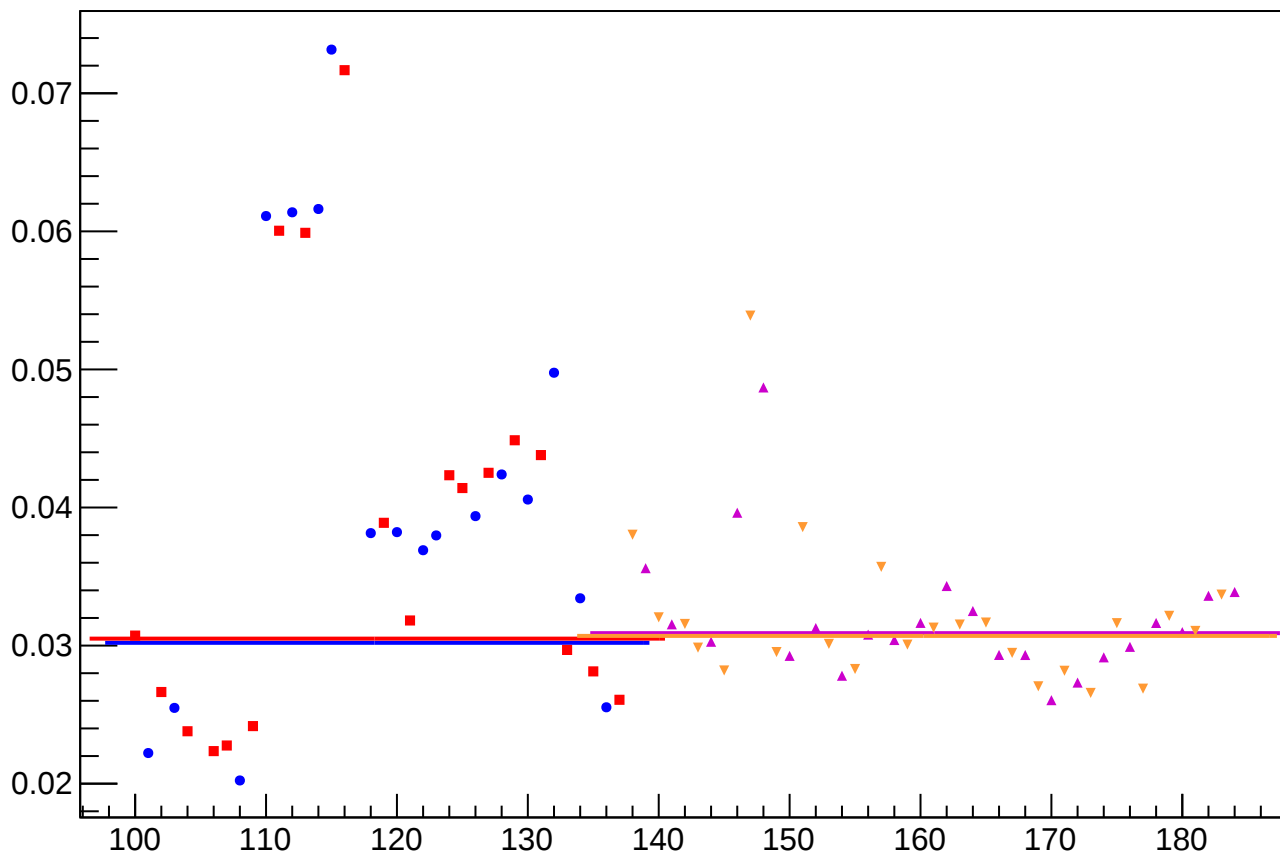
Right: 19.771 $\pm$ 0.000 χ^2/NDF : 23912970775.0/35

In: 18.353 $\pm$ 0.000 χ^2/NDF : 27992693401.7/39

Out: 18.368 $\pm$ 0.000 χ^2/NDF : 31760388680.3/42

All: 18.361 $\pm$ 0.000 χ^2/NDF : 59755554277.4

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 : 575995.3/23

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 : 1030222.6/46

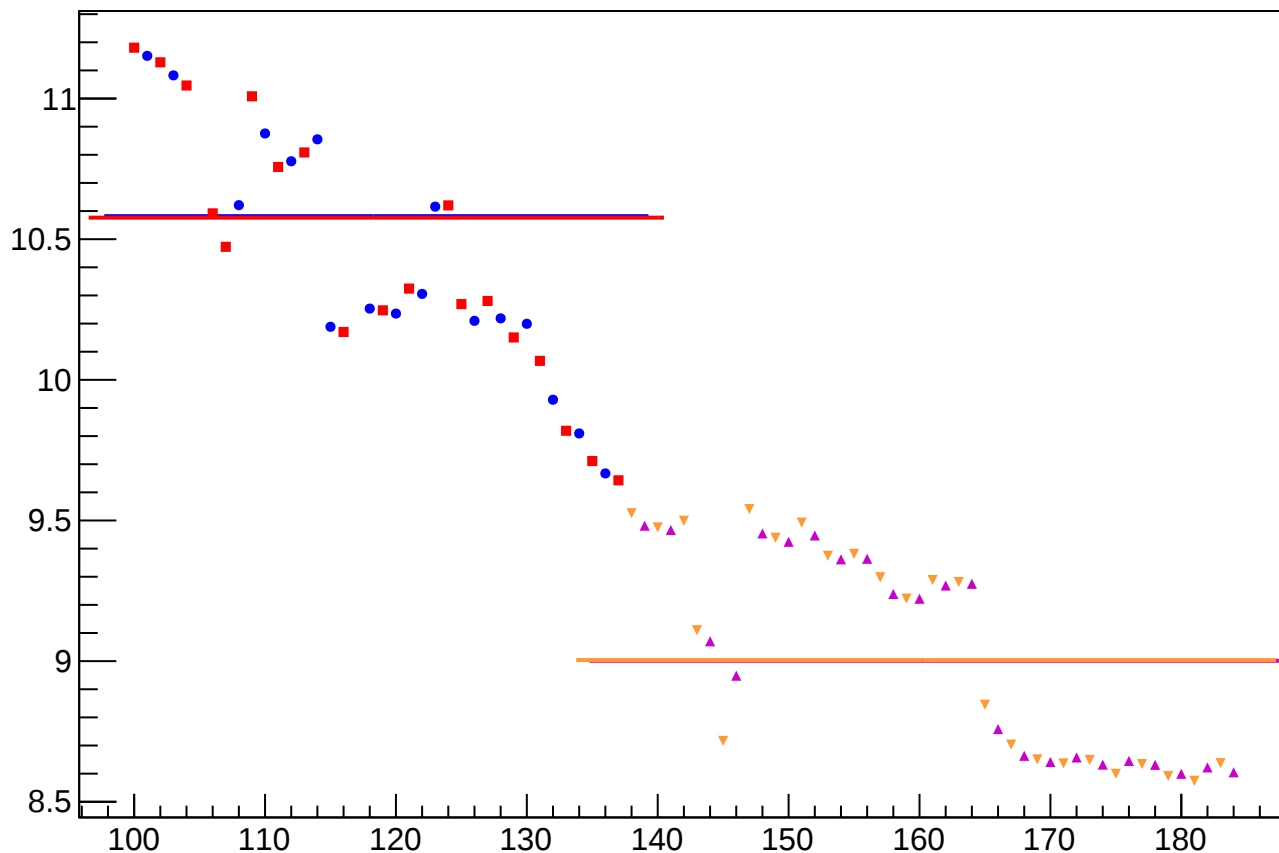
Right: 0.030+/-0.000 χ^2/NDF : 2495714.0/35

In: 0.031+/-0.000 χ^2/NDF : 1776857.9/39

Out: 0.031+/-0.000 χ^2/NDF : 1752590.5/42

All: 0.031+/-0.000 χ^2/NDF : 3529559.5/82

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.582+/-0.000 χ^2/NDF : 7496301993.4/16

Left Out: 9.004+/-0.000 χ^2/NDF : 6299819956.0/23

Right Out: 10.577+/-0.000 χ^2/NDF : 5832154064.6/18

Left In: 9.001+/-0.000 χ^2/NDF : 5314536205.4/22

Left: 9.003+/-0.000 χ^2/NDF : 11614502848.5/46

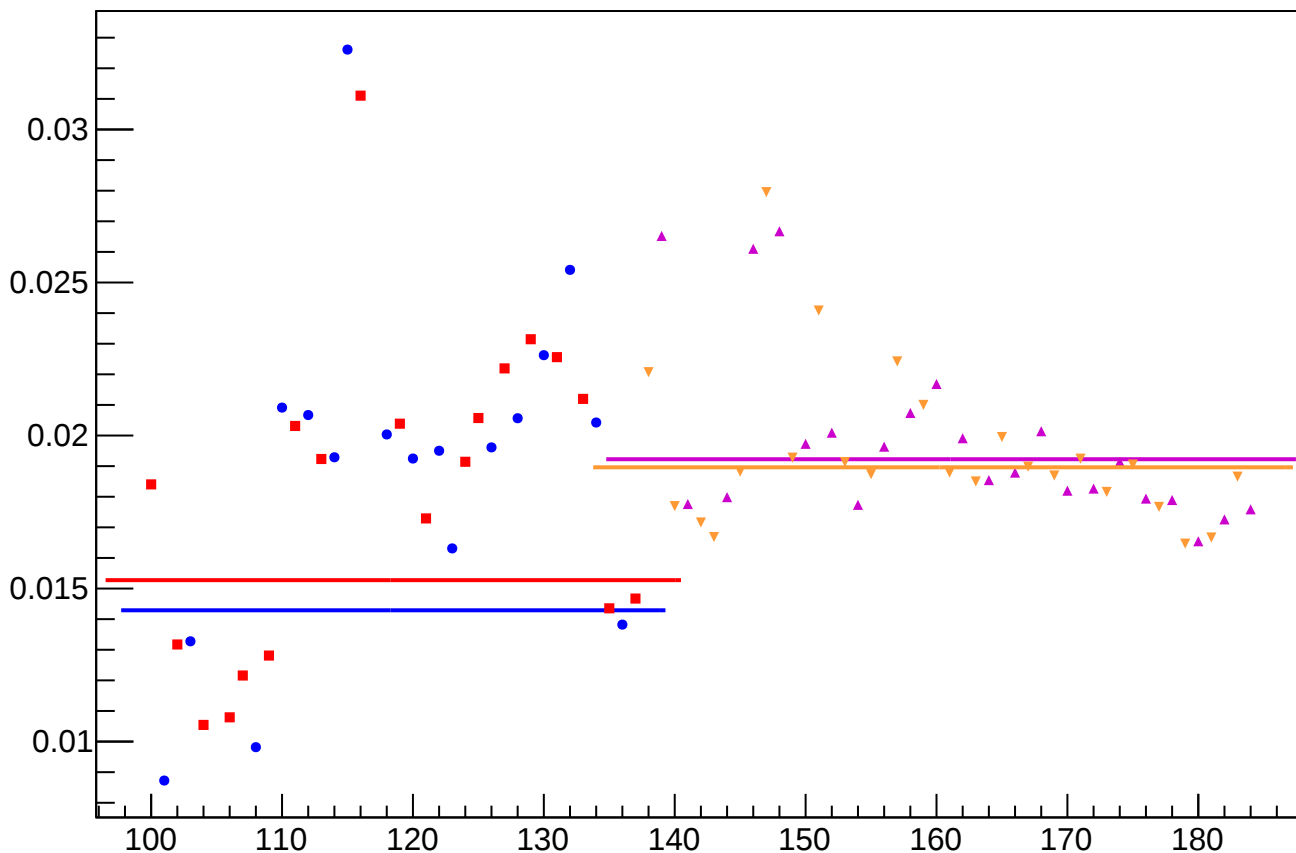
Right: 10.579+/-0.000 χ^2/NDF : 13328822109.0/35

In: 9.599+/-0.000 χ^2/NDF : 53255051659.7/39

Out: 9.563+/-0.000 χ^2/NDF : 52363720824.2/42

All: 9.581+/-0.000 χ^2/NDF : 105664164939.0

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 : 412972.6/23

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 : 897878.7/46

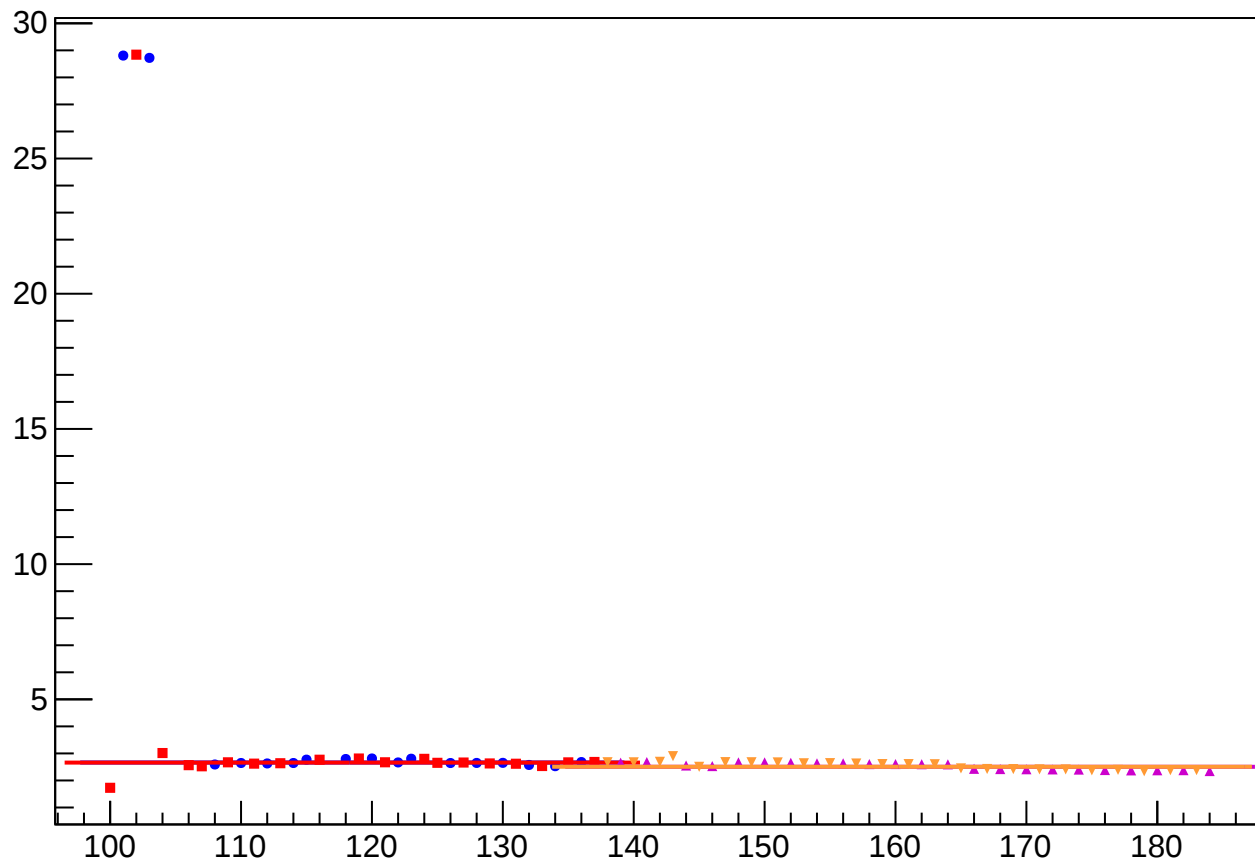
Right: 0.015+/-0.000 χ^2/NDF : 2409778.5/35

In: 0.017+/-0.000 χ^2/NDF : 2671708.2/39

Out: 0.018+/-0.000 χ^2/NDF : 1839211.0/42

All: 0.018+/-0.000 χ^2/NDF : 4516864.1/82

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.664+/-0.000

χ^2/NDF : 163239224312.8/16

Left: 2.506+/-0.000 χ^2/NDF : 102569462264.9/46

Right: 2.662+/-0.000 χ^2/NDF : 233714492758.5/35

Left Out: 2.507+/-0.000

χ^2/NDF : 59671442396.5/23

In: 2.551+/-0.000 χ^2/NDF : 230136115004.3/39

Right Out: 2.661+/-0.000

χ^2/NDF : 70469517041.1/18

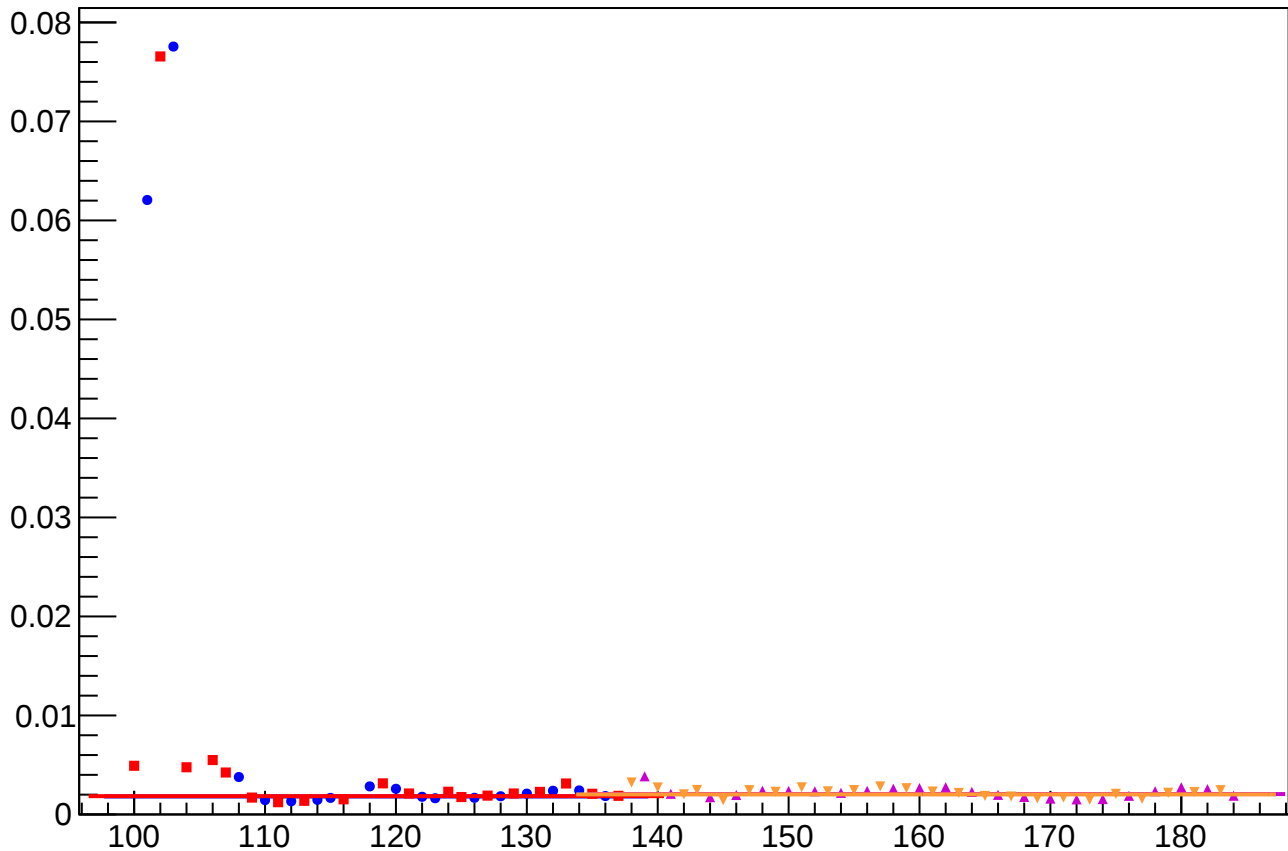
Out: 2.551+/-0.000 χ^2/NDF : 153982171903.1/42

Left In: 2.505+/-0.000

χ^2/NDF : 42893630742.5/22

All: 2.551+/-0.000 χ^2/NDF : 384118447569.0

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 : 1405025.5/23

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 : 2712032.5/46

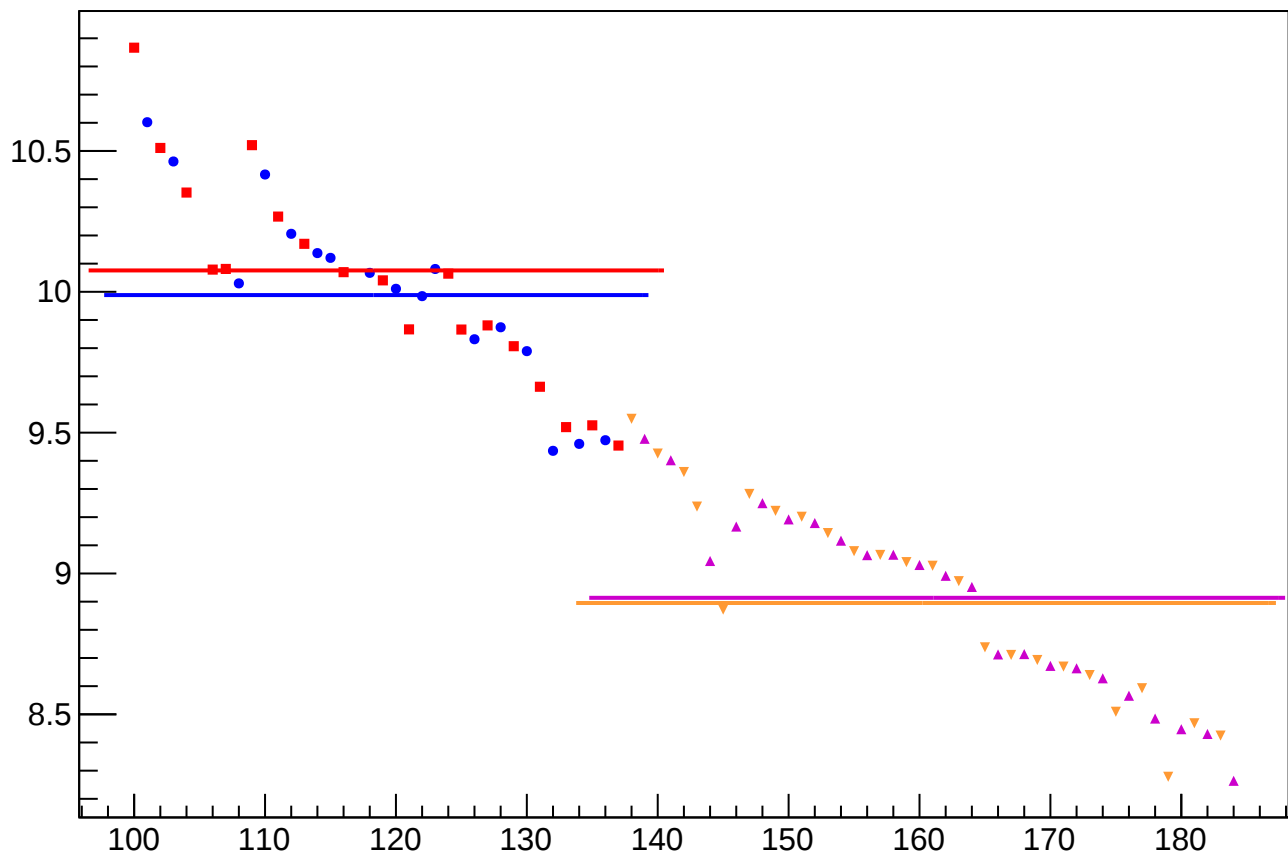
Right: 0.002+/-0.000 χ^2/NDF : 4990933.6/35

In: 0.002+/-0.000 χ^2/NDF : 4076054.0/39

Out: 0.002+/-0.000 χ^2/NDF : 3797534.4/42

All: 0.002+/-0.000 χ^2/NDF : 7874573.8/82

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.988 $\pm$ 0.000 χ^2 /NDF: 19058102133.2/16

Left Out: 8.895 $\pm$ 0.000 χ^2 /NDF: 32680316612.7/23

Right Out: 10.076 $\pm$ 0.000 χ^2 /NDF: 15960763158.3/18

Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

Left: 8.904 $\pm$ 0.000 χ^2 /NDF: 61239440563.1/46

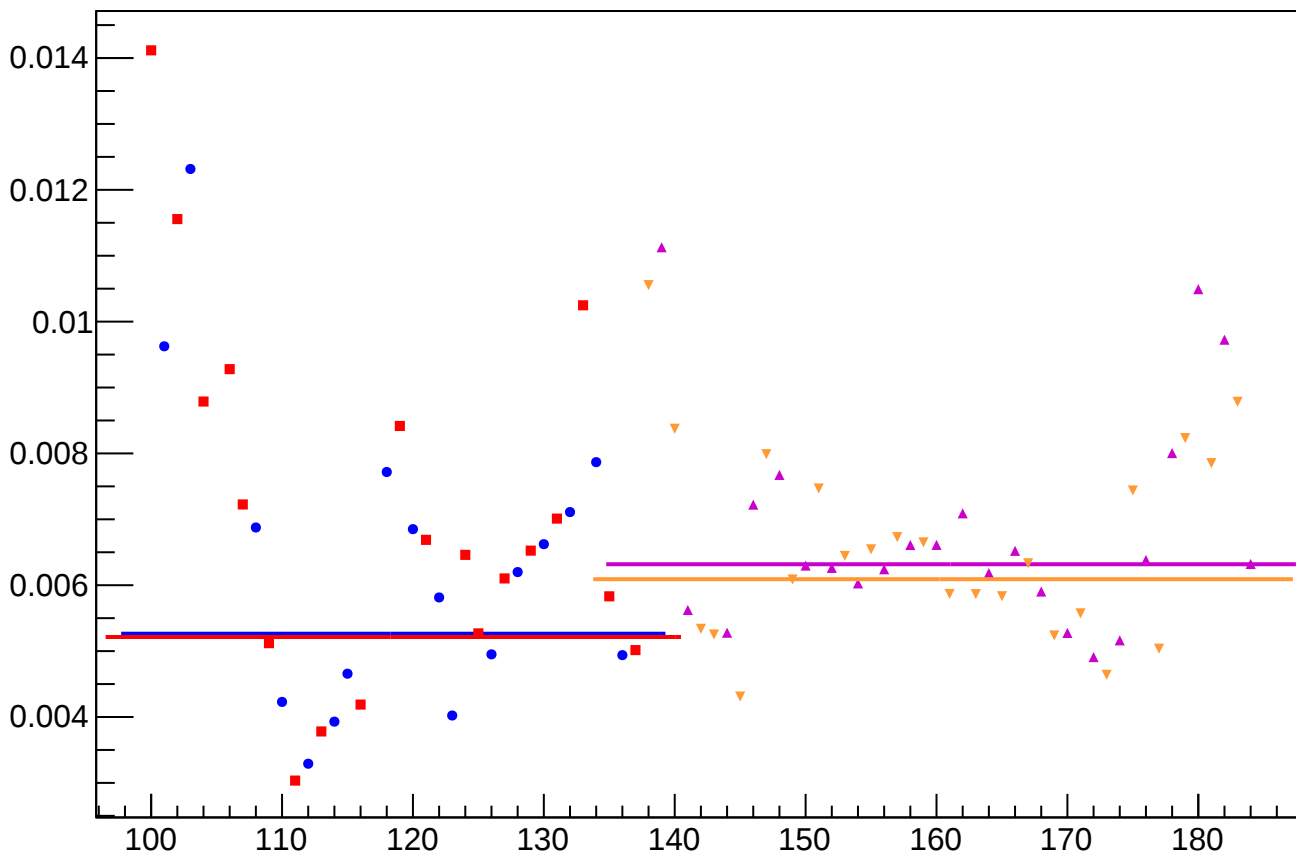
Right: 10.033 $\pm$ 0.000 χ^2 /NDF: 35731458435.6/35

In: 9.281 $\pm$ 0.000 χ^2 /NDF: 185189416142.8/39

Out: 9.287 $\pm$ 0.000 χ^2 /NDF: 227007445465.2/42

All: 9.285 $\pm$ 0.000 χ^2 /NDF: 412206632163.4

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 :1207192.9/23

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 : 2313038.1/46

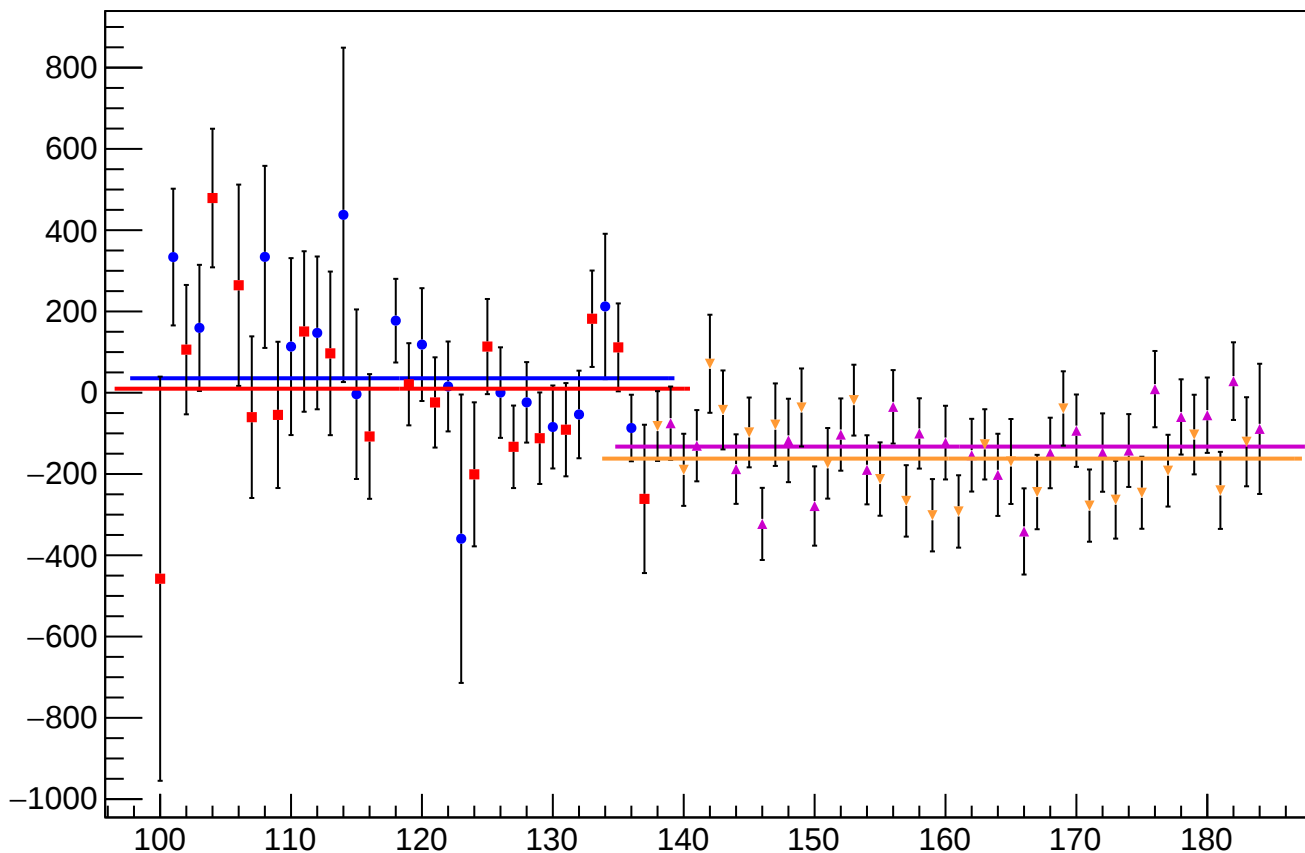
Right: 0.005+/-0.000 χ^2/NDF : 2903285.2/35

In: 0.006+/-0.000 χ^2/NDF :2601692.4/39

Out: 0.006+/-0.000 χ^2/NDF :3057220.4/42

All: 0.006+/-0.000 χ^2/NDF : 5672569.3/82

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 35.612 ± 32.342 $\chi^2/\text{NDF}: 16.3/16$

Left Out: -162.102 ± 18.894 $\chi^2/\text{NDF}: 26.0/23$

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: -147.722 ± 13.537 $\chi^2/\text{NDF}: 48.0/46$

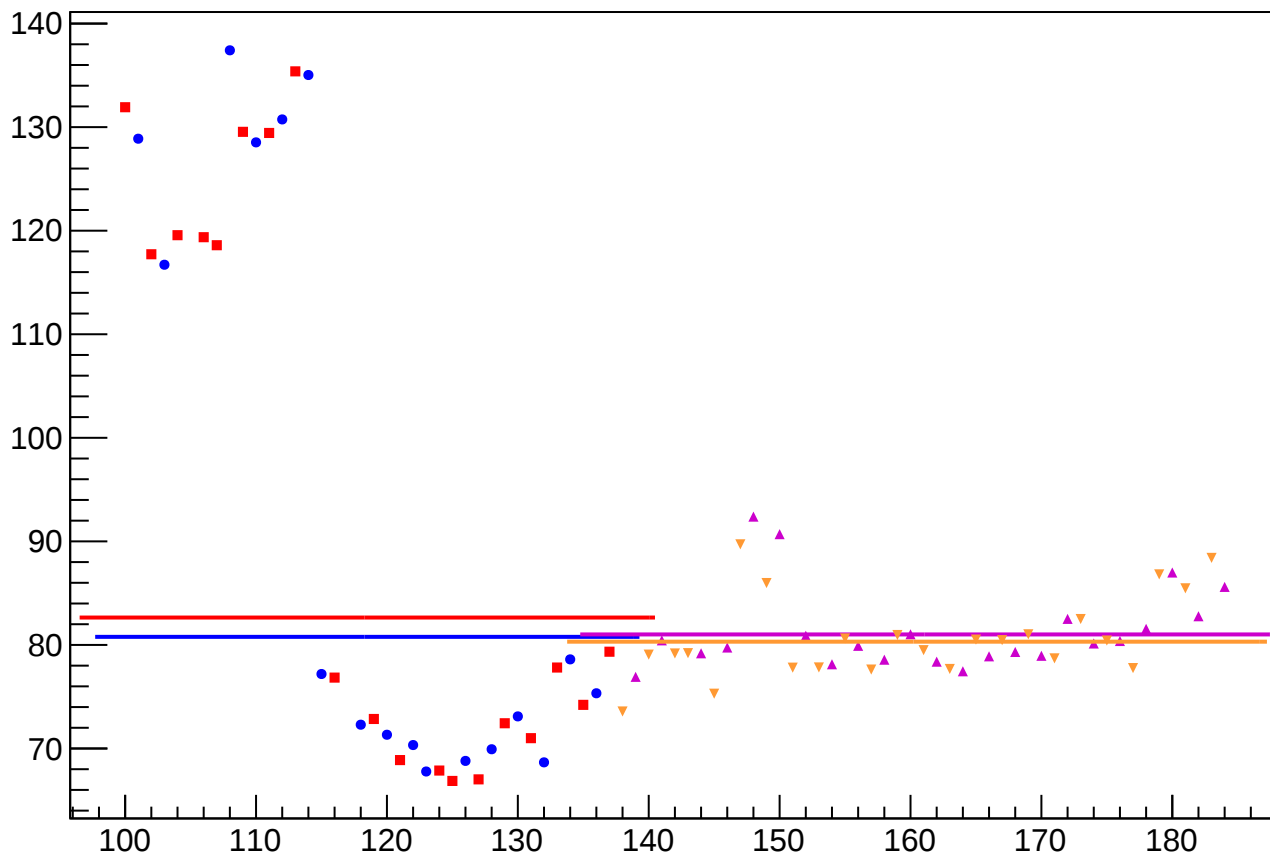
Right: 22.705 ± 22.814 $\chi^2/\text{NDF}: 39.4/35$

In: -88.048 ± 16.639 $\chi^2/\text{NDF}: 56.9/39$

Out: -118.015 ± 16.294 $\chi^2/\text{NDF}: 70.1/42$

All: -103.344 ± 11.642 $\chi^2/\text{NDF}: 128.7/82$

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.781 $\pm$ 0.023 χ^2 /NDF: 807781.3/16

Left Out: 80.314 $\pm$ 0.013 χ^2 /NDF:80548.7/23

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: 80.655 $\pm$ 0.010 χ^2 /NDF: 154132.5/46

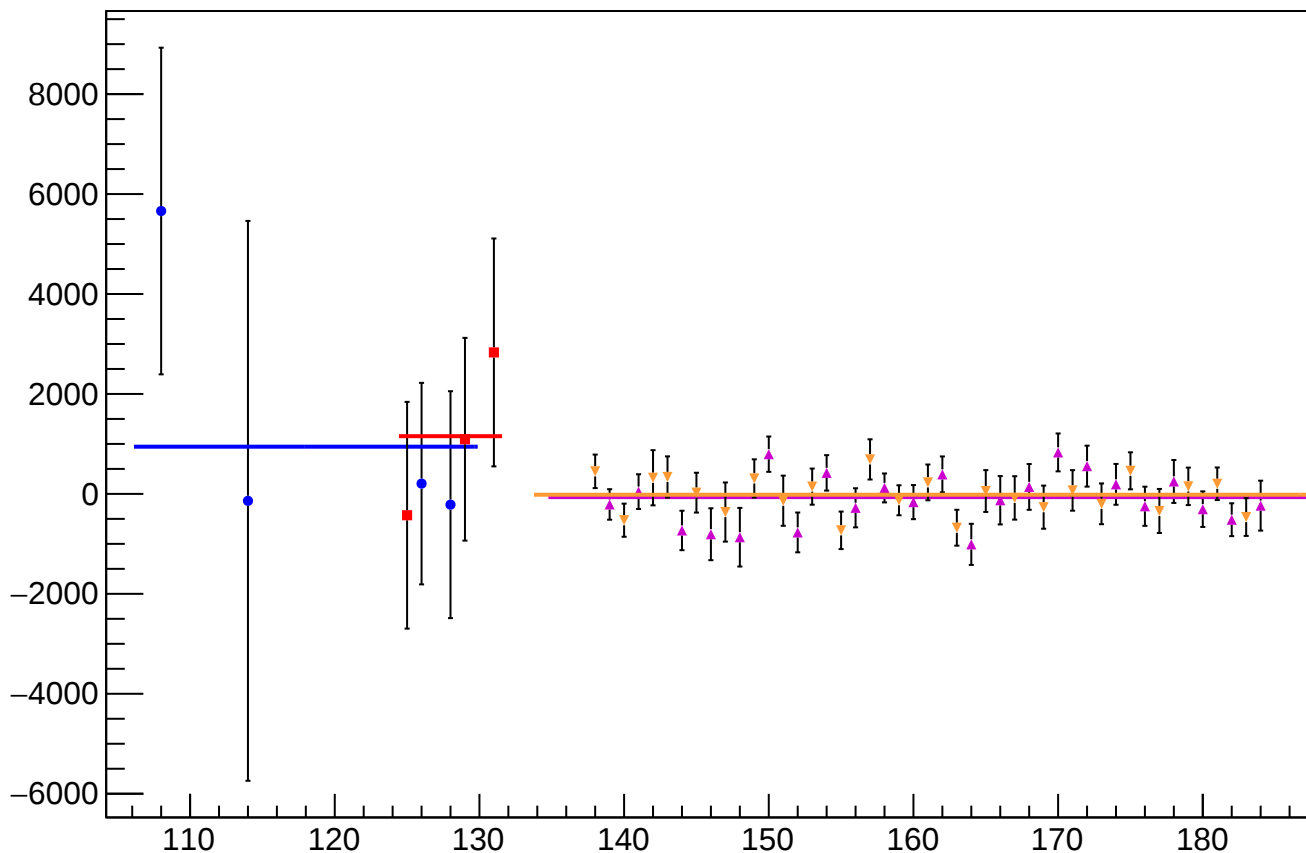
Right: 81.717 $\pm$ 0.016 χ^2 /NDF: 1719511.7/35

In: 80.952 $\pm$ 0.012 χ^2 /NDF:880107.9/39

Out: 80.912 $\pm$ 0.012 χ^2 /NDF:996738.9/42

All: 80.932 $\pm$ 0.008 χ^2 /NDF: 1876852.8/82

asym_sam1_correction_mean vs Slug, Sign Corrected



Right In: 944.622 ± 1329.889 $\chi^2/\text{NDF}: 2.5/3$

Left Out: -16.817 ± 79.265 $\chi^2/\text{NDF}: 22.3/23$

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: -40.470 ± 56.323 $\chi^2/\text{NDF}: 59.9/46$

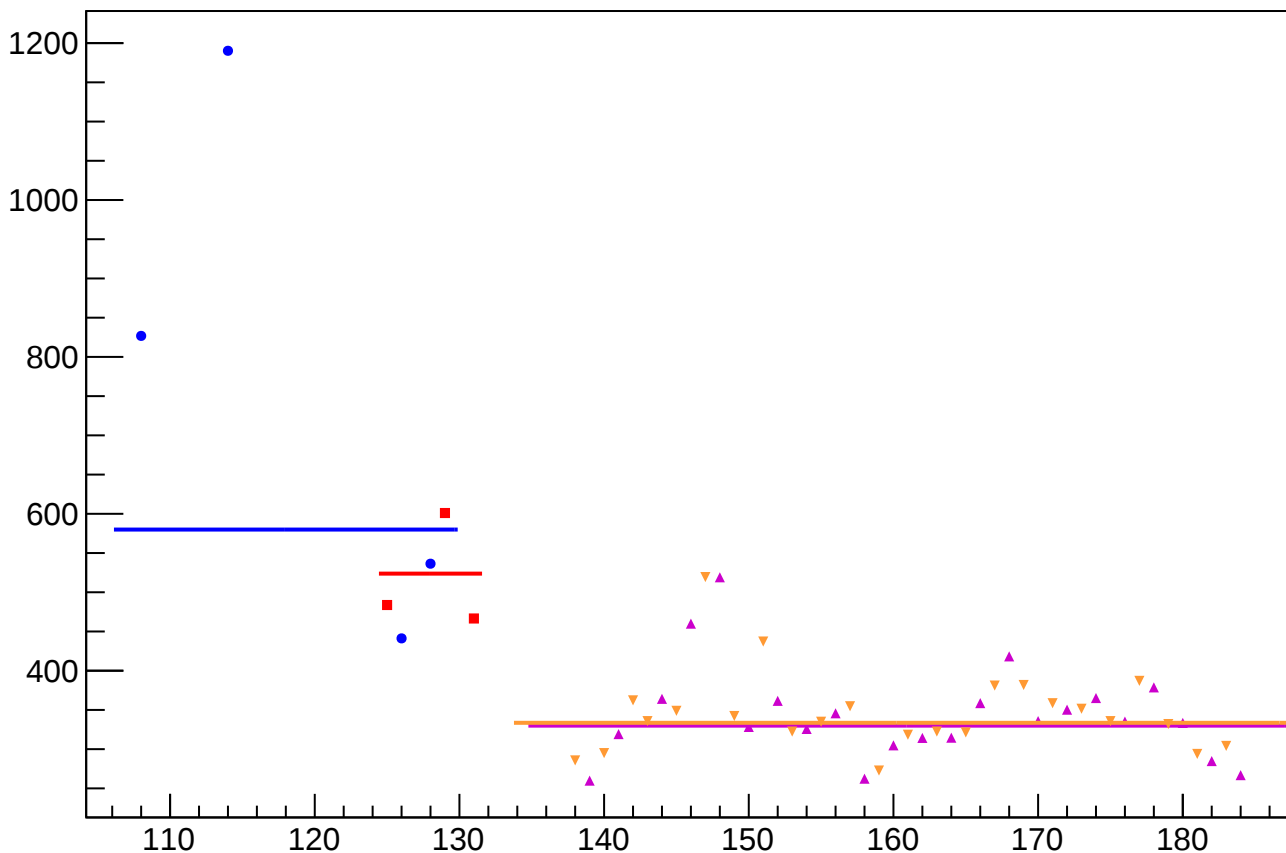
Right: 1055.304 ± 914.780 $\chi^2/\text{NDF}: 3.6/6$

In: -60.948 ± 79.902 $\chi^2/\text{NDF}: 40.5/26$

Out: -12.201 ± 79.108 $\chi^2/\text{NDF}: 24.2/26$

All: -36.331 ± 56.217 $\chi^2/\text{NDF}: 64.9/53$

asym_sam1_correction_rms vs Slug, Sign Corrected



Right In: 579.917+/-0.940 χ^2/NDF : 45346.8/3

Left Out: 333.593+/-0.056 χ^2/NDF : 588095.2/23

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: 331.807+/-0.040 χ^2/NDF : 1386115.3/46

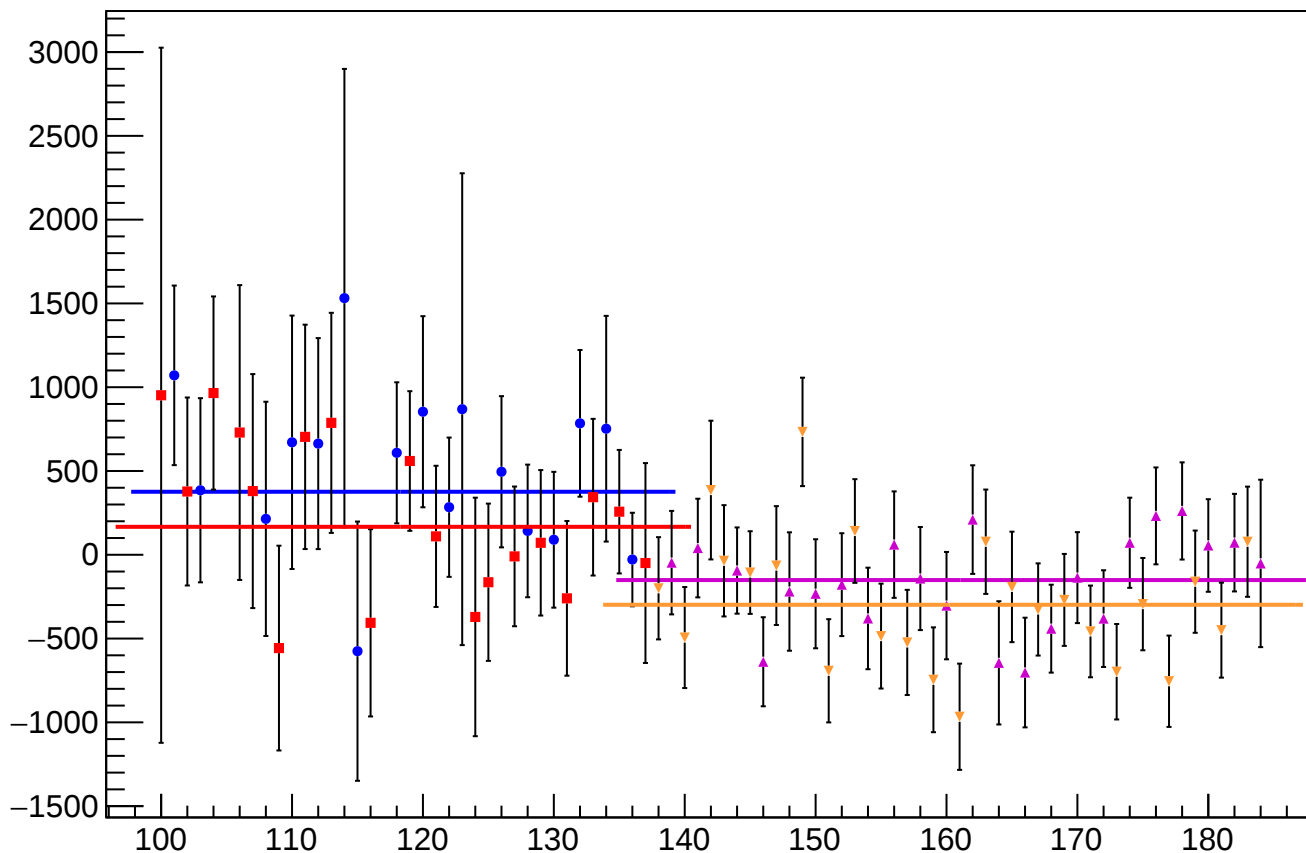
Right: 550.327+/-0.647 χ^2/NDF : 52006.2/6

In: 330.888+/-0.056 χ^2/NDF : 911699.5/26

Out: 334.342+/-0.056 χ^2/NDF : 638228.0/26

All: 332.632+/-0.040 χ^2/NDF : 1551815.5/53

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 376.077 $\pm$ 121.292 χ^2 /NDF: 9.7/16

Left Out: -298.374 $\pm$ 61.675 χ^2 /NDF:34.6/23

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: -226.000 $\pm$ 44.009 χ^2 /NDF: 56.1/46

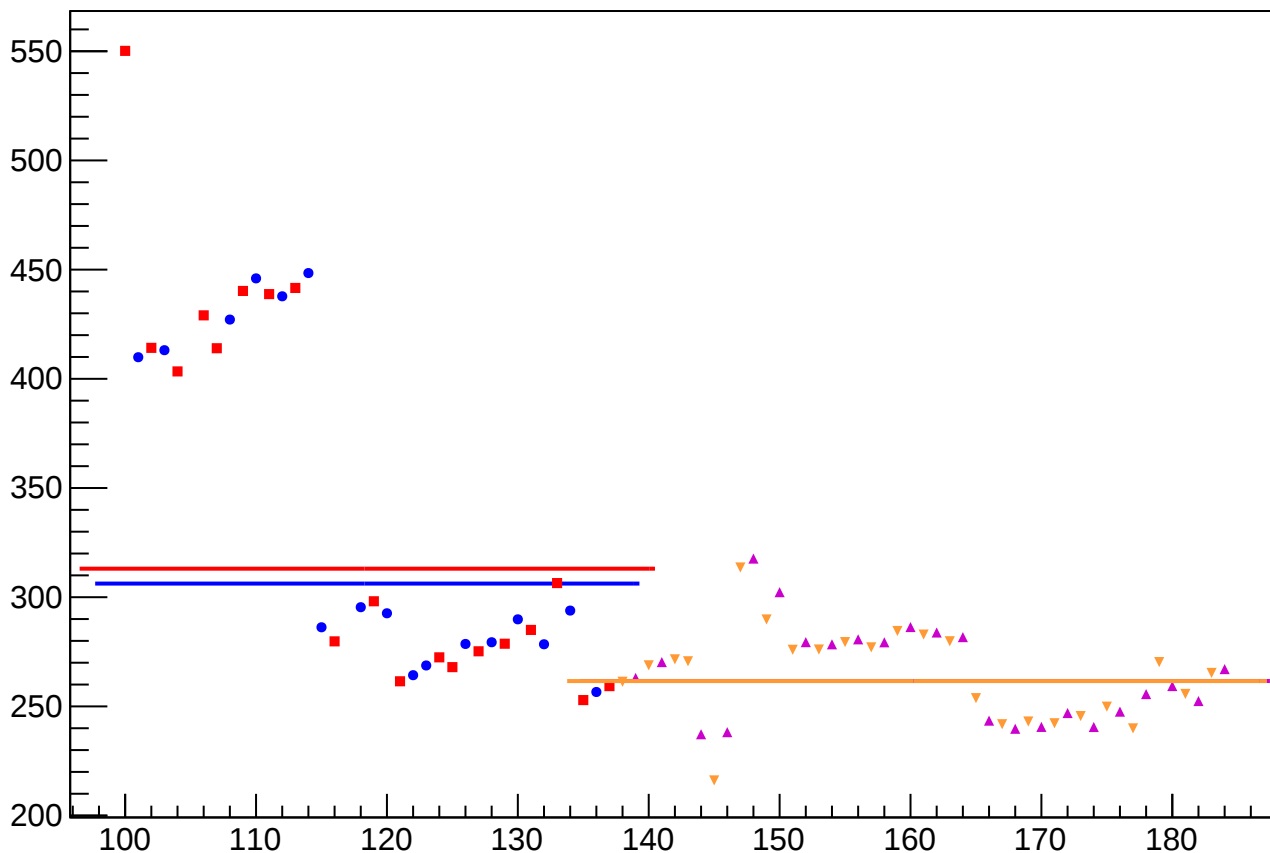
Right: 270.989 $\pm$ 85.567 χ^2 /NDF: 21.3/35

In: -39.461 $\pm$ 55.781 χ^2 /NDF:43.3/39

Out: -202.088 $\pm$ 54.923 χ^2 /NDF:56.5/42

All: -122.034 $\pm$ 39.136 χ^2 /NDF: 104.1/82

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.241+/-0.086 χ^2/NDF : 505092.7/16

Left Out: 261.602+/-0.044 χ^2/NDF : 232548.1/23

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: 261.619+/-0.031 χ^2/NDF : 460789.7/46

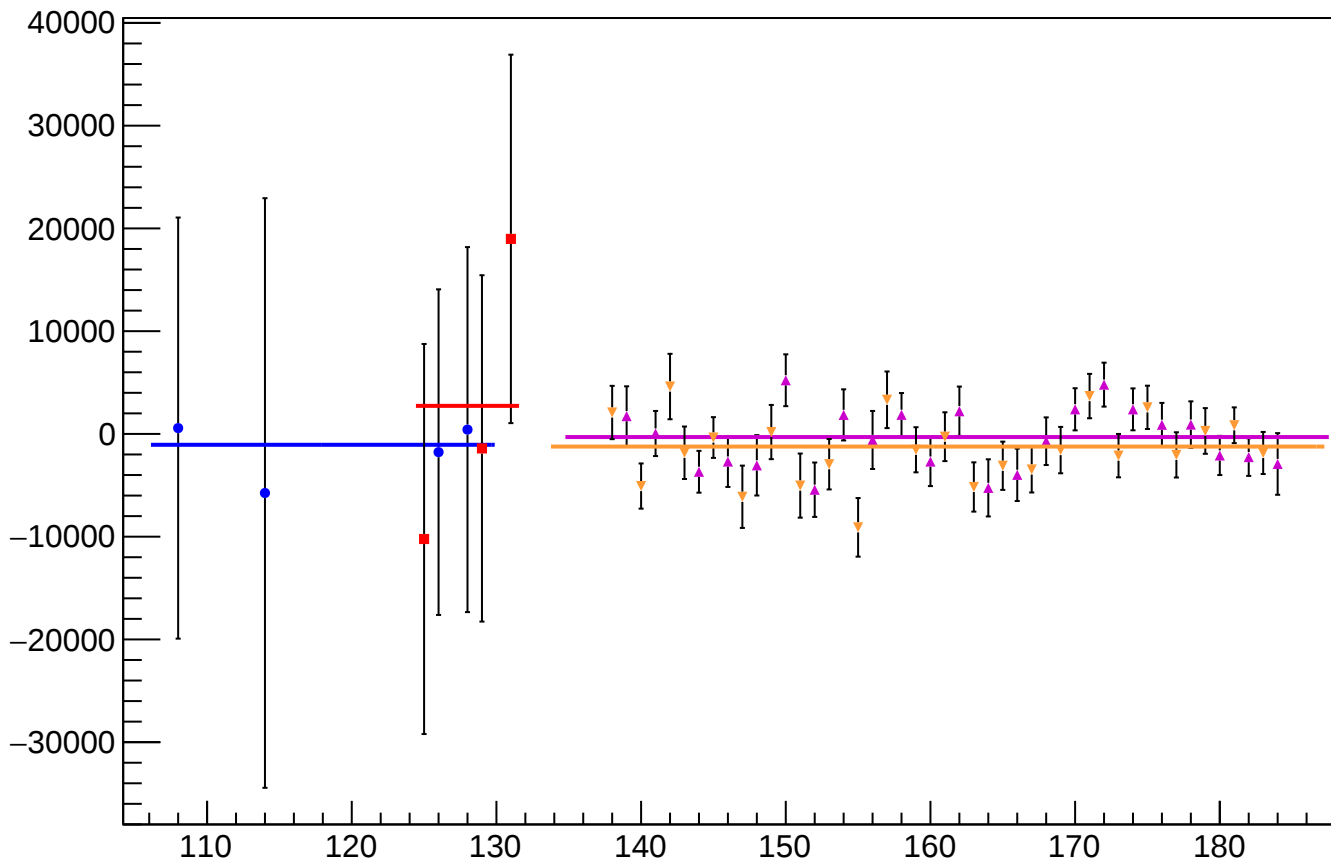
Right: 309.669+/-0.061 χ^2/NDF : 1129800.6/35

In: 271.070+/-0.039 χ^2/NDF : 946602.5/39

Out: 272.253+/-0.039 χ^2/NDF : 1142276.6/42

All: 271.671+/-0.028 χ^2/NDF : 2089335.8/82

asym_sam2_correction_mean vs Slug, Sign Corrected



Right In: -1057.023+/-9645.185 χ^2/NDF : 0.0/3

Left Out: -1231.153+/-475.942 χ^2/NDF : 38.8/23

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: -775.326+/-339.278 χ^2/NDF : 76.0/46

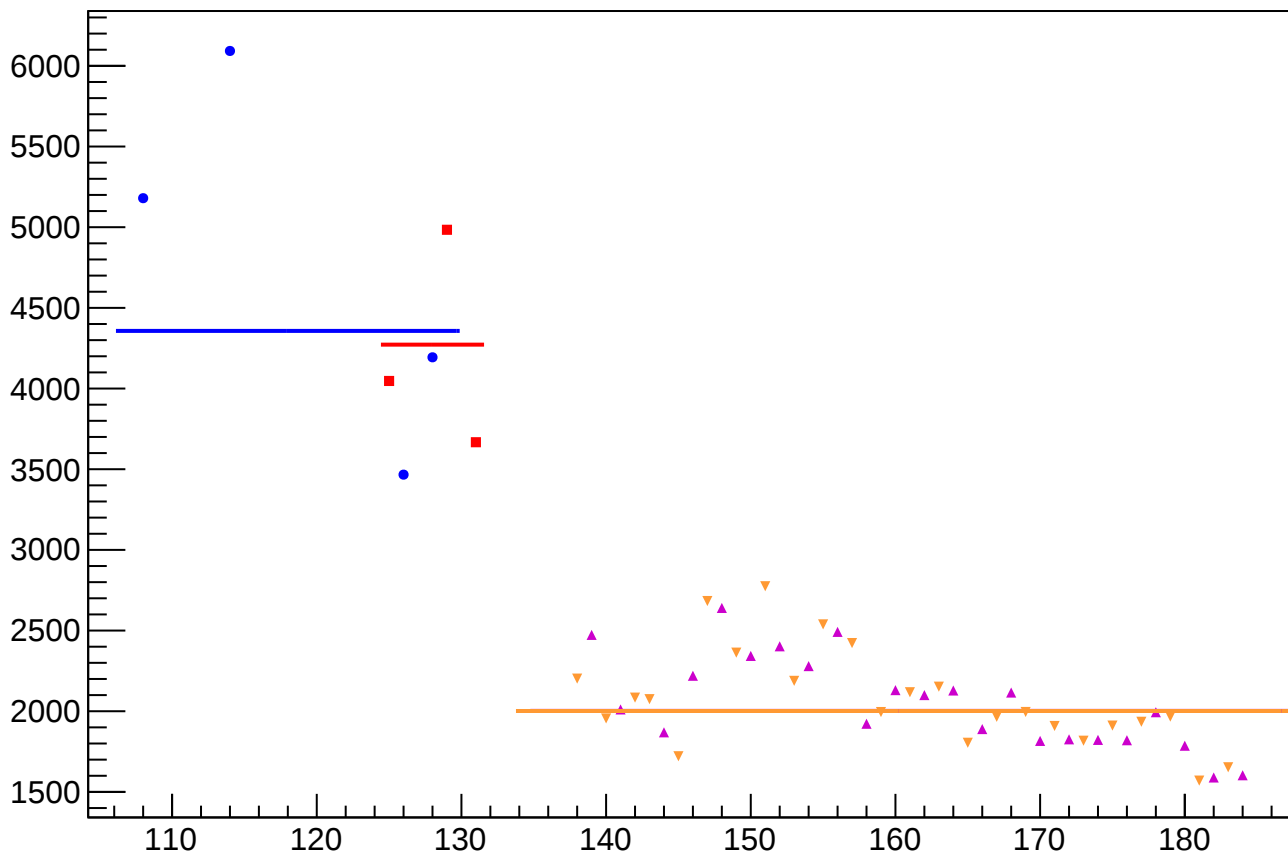
Right: 711.071+/-7043.597 χ^2/NDF : 1.5/6

In: -306.255+/-483.171 χ^2/NDF : 35.4/26

Out: -1222.727+/-475.436 χ^2/NDF : 40.3/26

All: -771.886+/-338.886 χ^2/NDF : 77.5/53

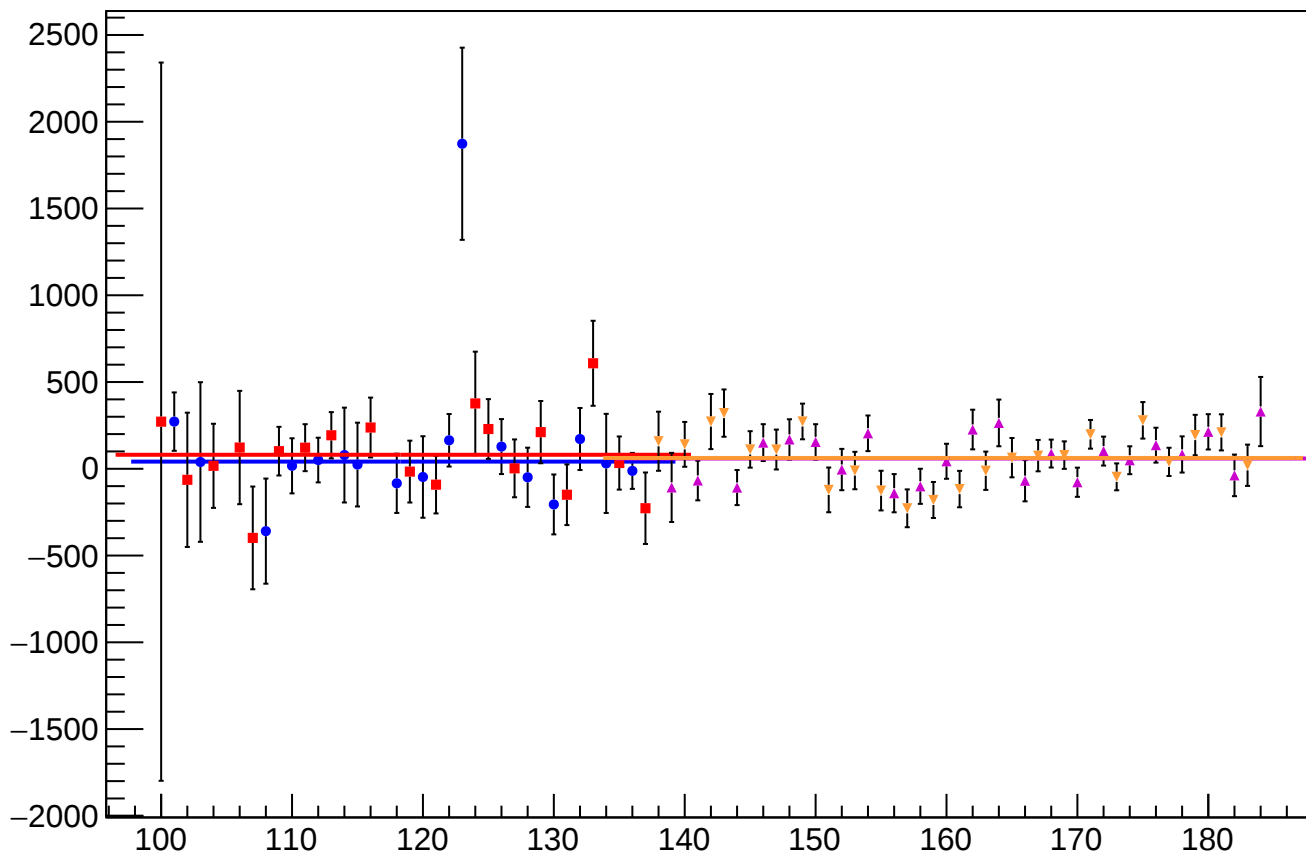
asym_sam2_correction_rms vs Slug, Sign Corrected



Right In: 4357.248+/-6.820 χ^2/NDF : 17030.4/3
 Left Out: 2001.497+/-0.337 χ^2/NDF : 679538.4/23
 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: 2001.820+/-0.240 χ^2/NDF : 1265487.7/46
 Right: 4317.508+/-4.981 χ^2/NDF : 23229.0/6
 In: 2008.064+/-0.342 χ^2/NDF : 721919.5/26
 Out: 2006.325+/-0.336 χ^2/NDF : 782456.5/26
 All: 2007.181+/-0.240 χ^2/NDF : 1504389.2/53

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 41.443 $\pm$ 43.633 χ^2 /NDF: 19.4/16

Left Out: 62.444 $\pm$ 21.462 χ^2 /NDF:44.2/23

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: 60.873 $\pm$ 15.336 χ^2 /NDF: 73.6/46

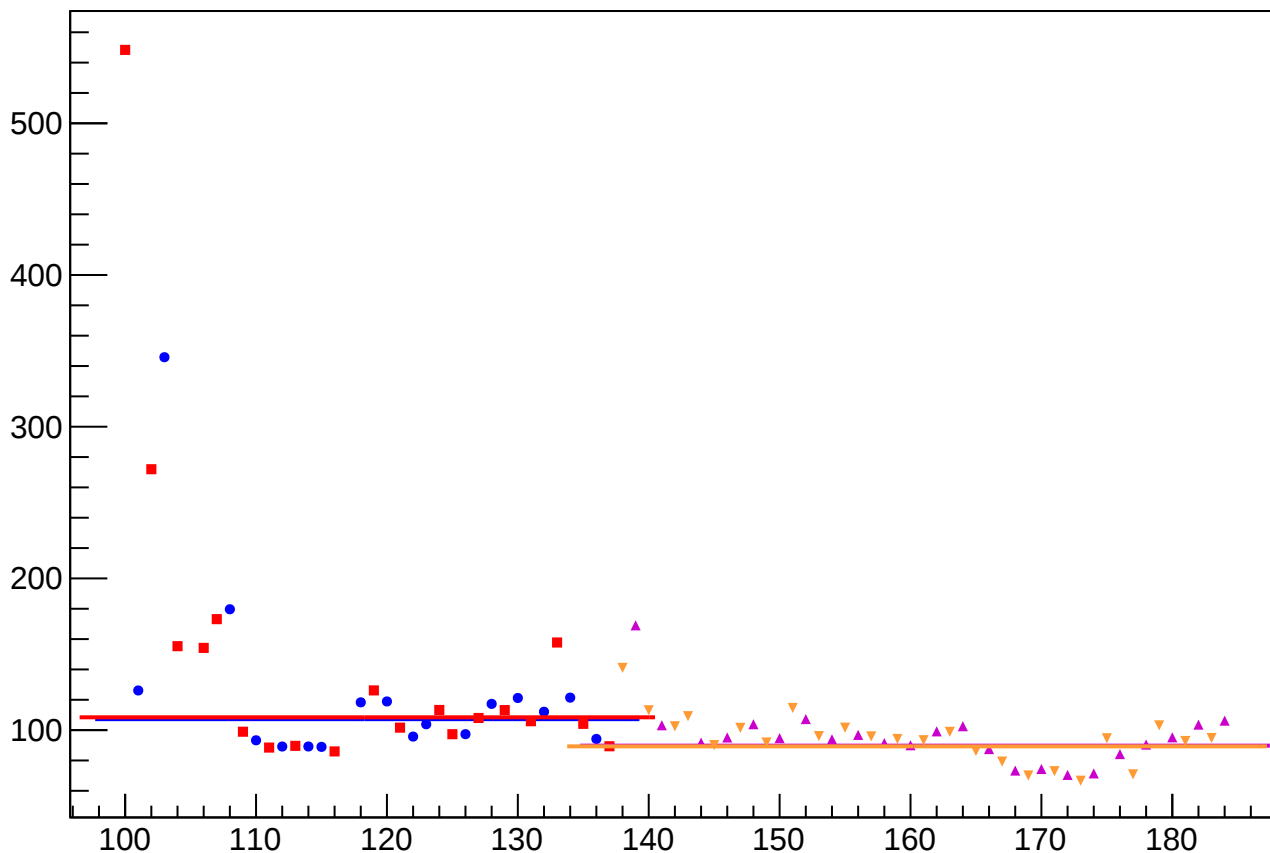
Right: 61.316 $\pm$ 30.703 χ^2 /NDF: 36.9/35

In: 55.649 $\pm$ 19.588 χ^2 /NDF:48.9/39

Out: 66.077 $\pm$ 19.222 χ^2 /NDF:61.4/42

All: 60.961 $\pm$ 13.720 χ^2 /NDF: 110.4/82

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.231 $\pm$ 0.031 χ^2 /NDF: 843493.4/16

Left Out: 89.295 $\pm$ 0.015 χ^2 /NDF:1005662.4/23

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: 89.526 $\pm$ 0.011 χ^2 /NDF: 1891950.5/46

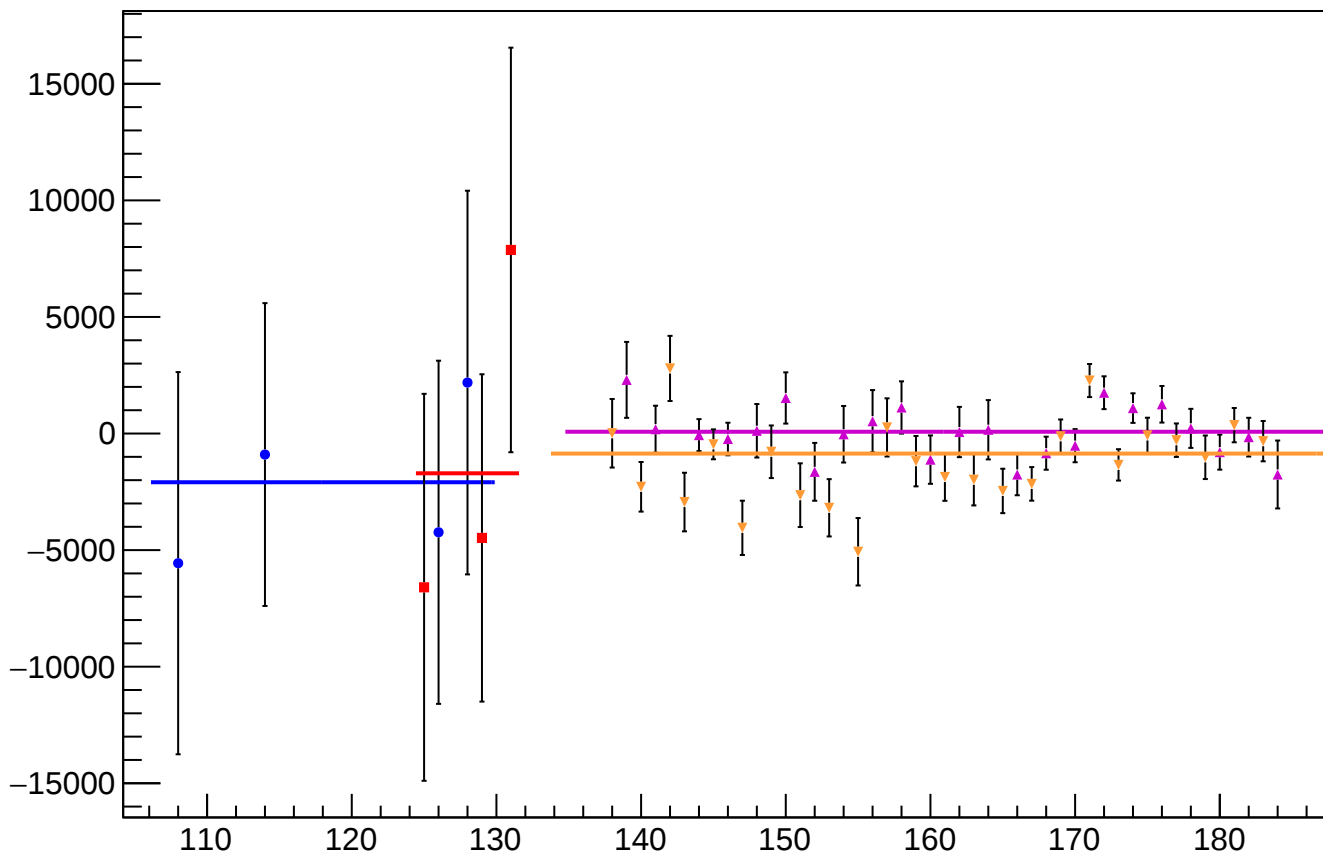
Right: 107.845 $\pm$ 0.022 χ^2 /NDF: 1761734.0/35

In: 93.286 $\pm$ 0.014 χ^2 /NDF:1985182.9/39

Out: 93.085 $\pm$ 0.014 χ^2 /NDF:2238208.9/42

All: 93.183 $\pm$ 0.010 χ^2 /NDF: 4223499.0/82

asym_sam3_correction_mean vs Slug, Sign Corrected



Right In: -2089.367 ± 3731.168 $\chi^2/\text{NDF}: 0.6/3$

Left Out: -859.962 ± 187.075 $\chi^2/\text{NDF}: 68.3/23$

Right Out: -1705.730 ± 4559.420 $\chi^2/\text{NDF}: 1.7/2$

Left In: 76.204 ± 186.651 $\chi^2/\text{NDF}: 28.3/22$

Left: -390.816 ± 132.132 $\chi^2/\text{NDF}: 109.1/46$

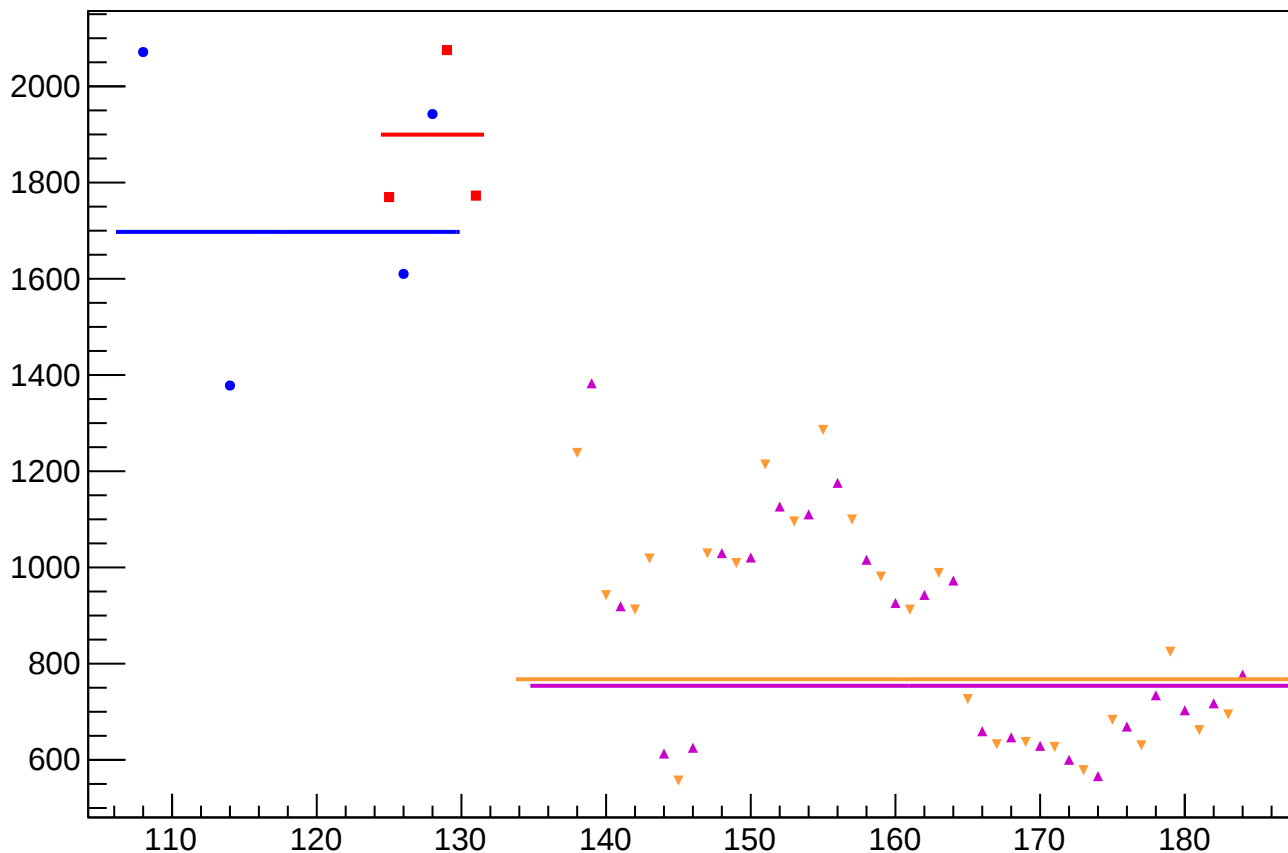
Right: -1935.496 ± 2887.537 $\chi^2/\text{NDF}: 2.3/6$

In: 70.798 ± 186.418 $\chi^2/\text{NDF}: 29.2/26$

Out: -861.384 ± 186.918 $\chi^2/\text{NDF}: 70.0/26$

All: -394.044 ± 131.994 $\chi^2/\text{NDF}: 111.7/53$

asym_sam3_correction_rms vs Slug, Sign Corrected



Right In: 1697.477+/-2.638 χ^2/NDF : 11050.0/3

Left Out: 767.614+/-0.132 χ^2/NDF : 2258769.0/23

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: 760.805+/-0.093 χ^2/NDF : 4277442.6/46

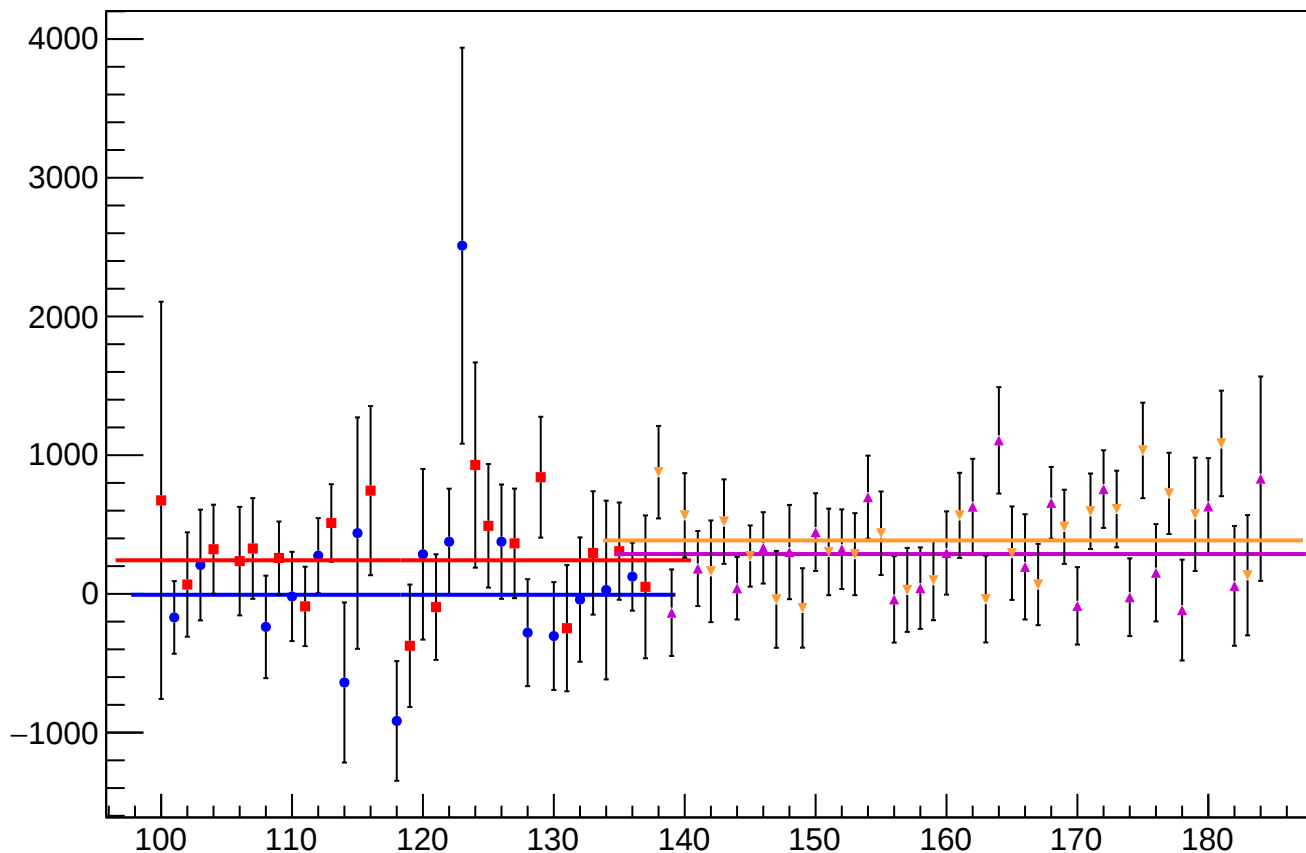
Right: 1778.561+/-2.042 χ^2/NDF : 15574.9/6

In: 756.382+/-0.132 χ^2/NDF : 2151990.4/26

Out: 769.516+/-0.132 χ^2/NDF : 2384020.5/26

All: 762.931+/-0.093 χ^2/NDF : 4540961.8/53

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -6.497 ± 93.462 $\chi^2/\text{NDF}: 14.7/16$

Left Out: 385.398 ± 62.633 $\chi^2/\text{NDF}: 24.0/23$

Right Out: 242.246 ± 89.108 $\chi^2/\text{NDF}: 10.6/18$

Left In: 287.246 ± 64.141 $\chi^2/\text{NDF}: 23.9/22$

Left: 337.489 ± 44.812 $\chi^2/\text{NDF}: 49.1/46$

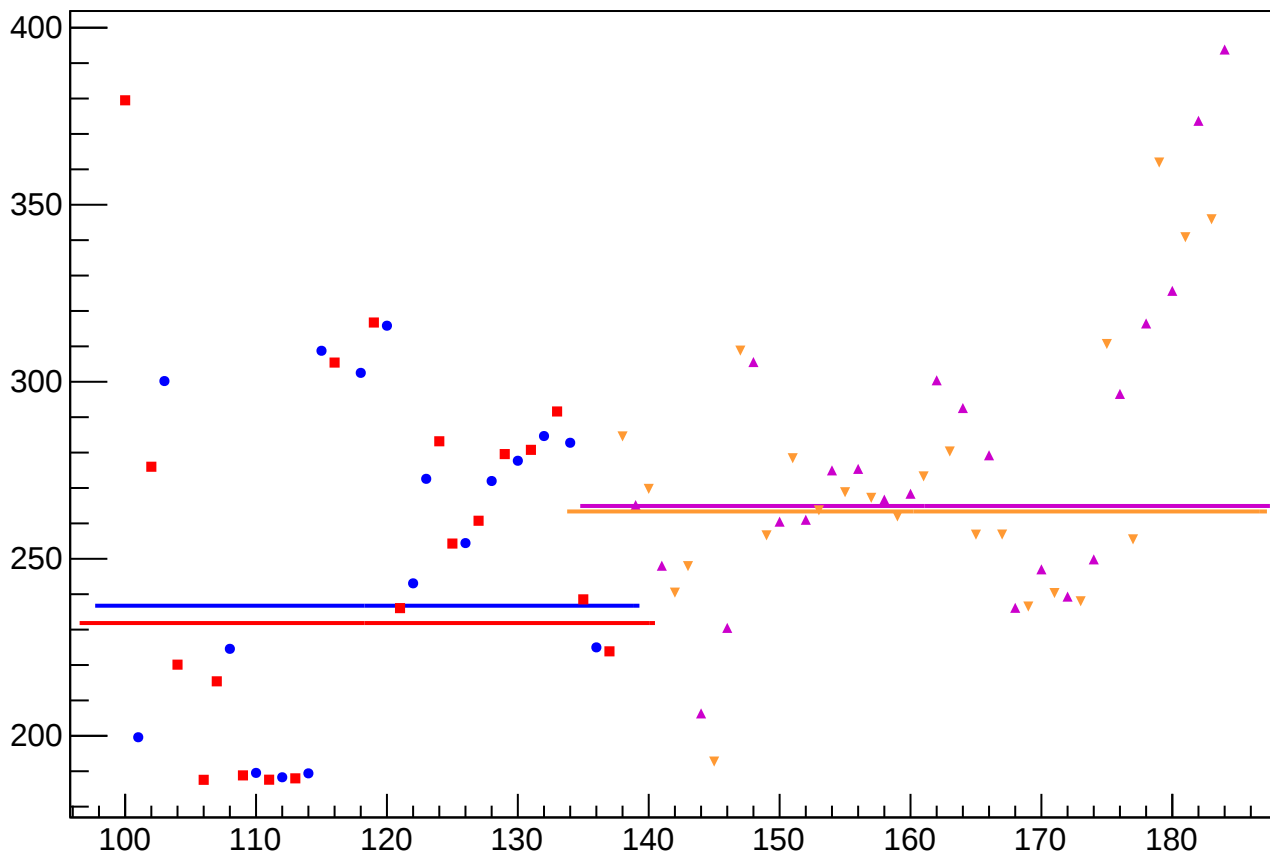
Right: 123.803 ± 64.493 $\chi^2/\text{NDF}: 29.0/35$

In: 193.196 ± 52.885 $\chi^2/\text{NDF}: 45.3/39$

Out: 338.060 ± 51.241 $\chi^2/\text{NDF}: 36.3/42$

All: 267.914 ± 36.800 $\chi^2/\text{NDF}: 85.5/82$

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.750 $\pm$ 0.066 χ^2 /NDF: 390018.3/16

Left Out: 263.371 $\pm$ 0.044 χ^2 /NDF: 639707.0/23

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: 264.129 $\pm$ 0.032 χ^2 /NDF: 1249330.9/46

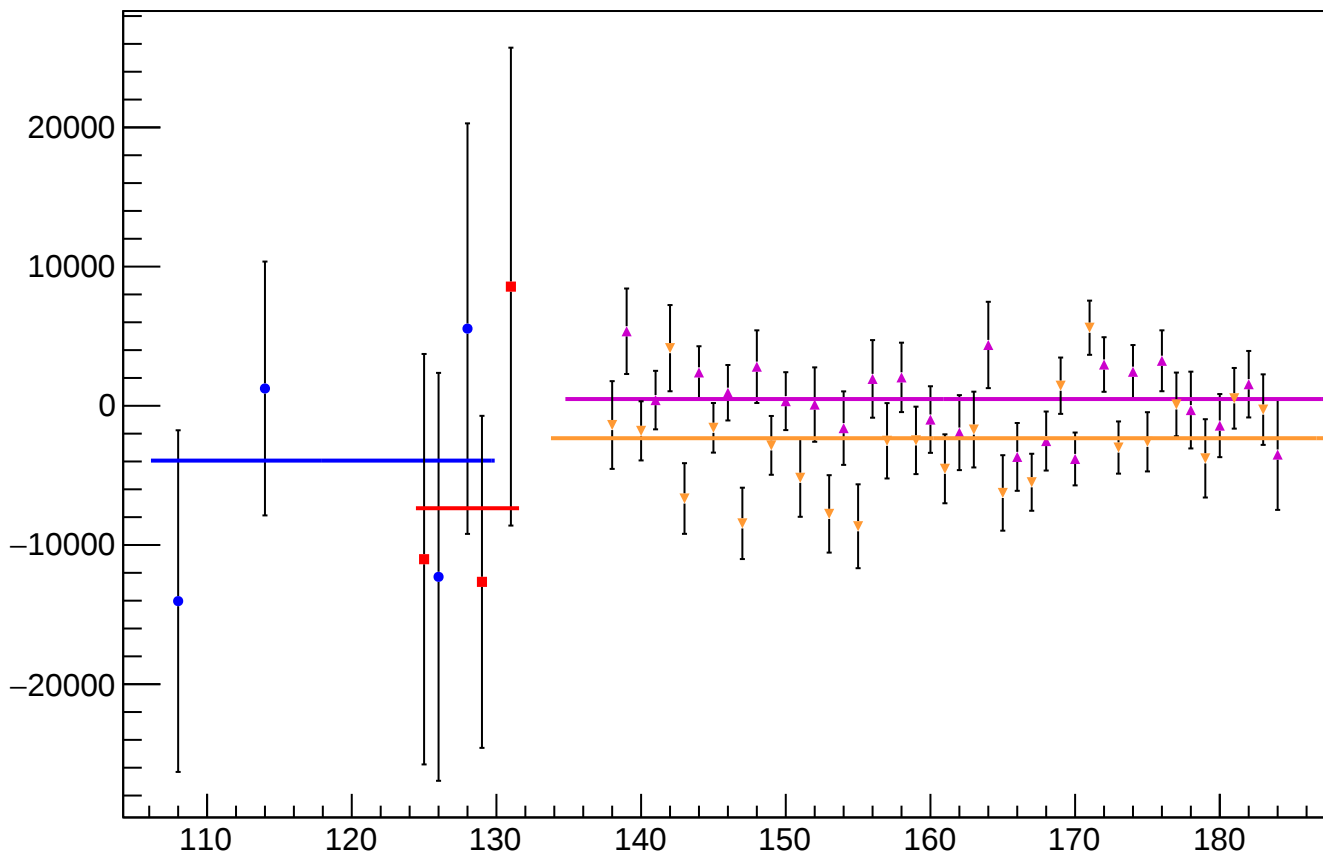
Right: 234.185 $\pm$ 0.046 χ^2 /NDF: 838014.1/35

In: 255.902 $\pm$ 0.037 χ^2 /NDF: 1122592.3/39

Out: 252.949 $\pm$ 0.036 χ^2 /NDF: 1252302.7/42

All: 254.379 $\pm$ 0.026 χ^2 /NDF: 2378112.5/82

asym_sam4_correction_mean vs Slug, Sign Corrected



Right In: -3937.127 ± 5984.477 $\chi^2/\text{NDF}: 1.7/3$

Left Out: -2328.783 ± 481.329 $\chi^2/\text{NDF}: 52.0/23$

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: -939.423 ± 342.500 $\chi^2/\text{NDF}: 93.6/46$

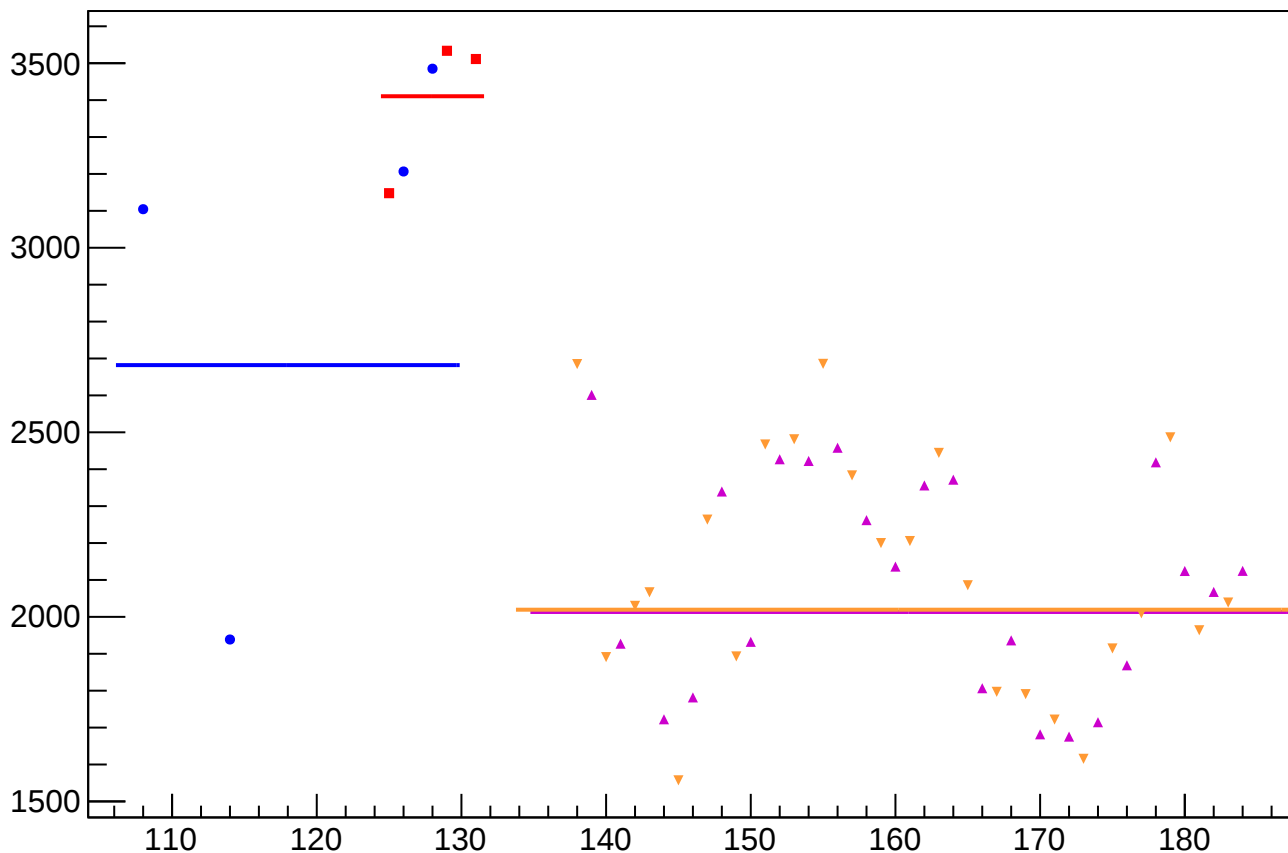
Right: -5134.149 ± 4825.510 $\chi^2/\text{NDF}: 3.0/6$

In: 456.439 ± 485.856 $\chi^2/\text{NDF}: 27.0/26$

Out: -2346.230 ± 480.493 $\chi^2/\text{NDF}: 53.5/26$

All: -960.449 ± 341.640 $\chi^2/\text{NDF}: 97.3/53$

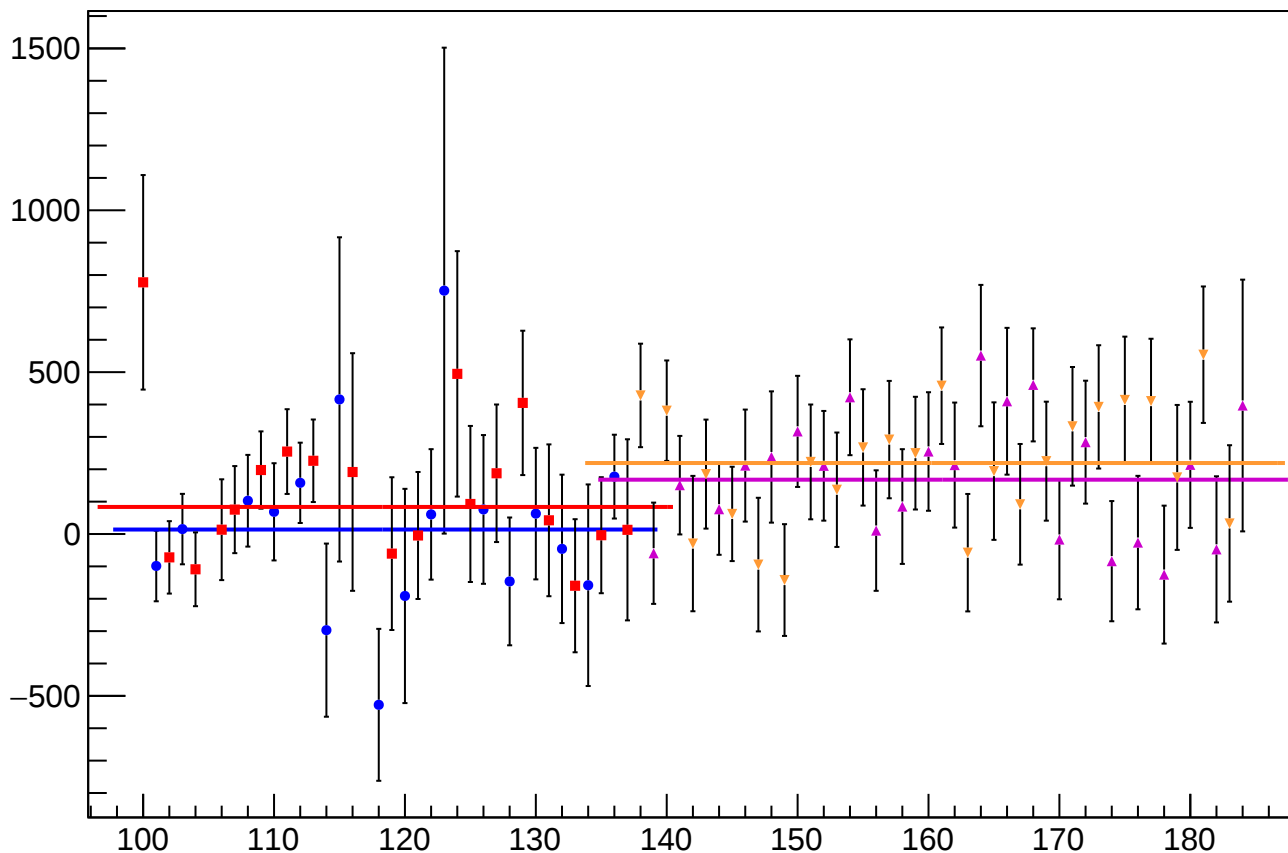
asym_sam4_correction_rms vs Slug, Sign Corrected



Right In: 2682.064 $\pm$ 4.232 χ^2 /NDF: 24157.5/3
 Left Out: 2019.410 $\pm$ 0.340 χ^2 /NDF:819664.4/23
 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: 2016.367 $\pm$ 0.242 χ^2 /NDF: 1481904.2/46
 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: 2024.235 $\pm$ 0.340 χ^2 /NDF:878521.4/26
 All: 2020.981 $\pm$ 0.242 χ^2 /NDF: 1589757.7/53

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 13.853+/-42.364 χ^2/NDF : 14.4/16

Left Out: 219.320+/-37.448 χ^2/NDF :23.5/23

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: 194.429+/-26.918 χ^2/NDF : 45.6/46

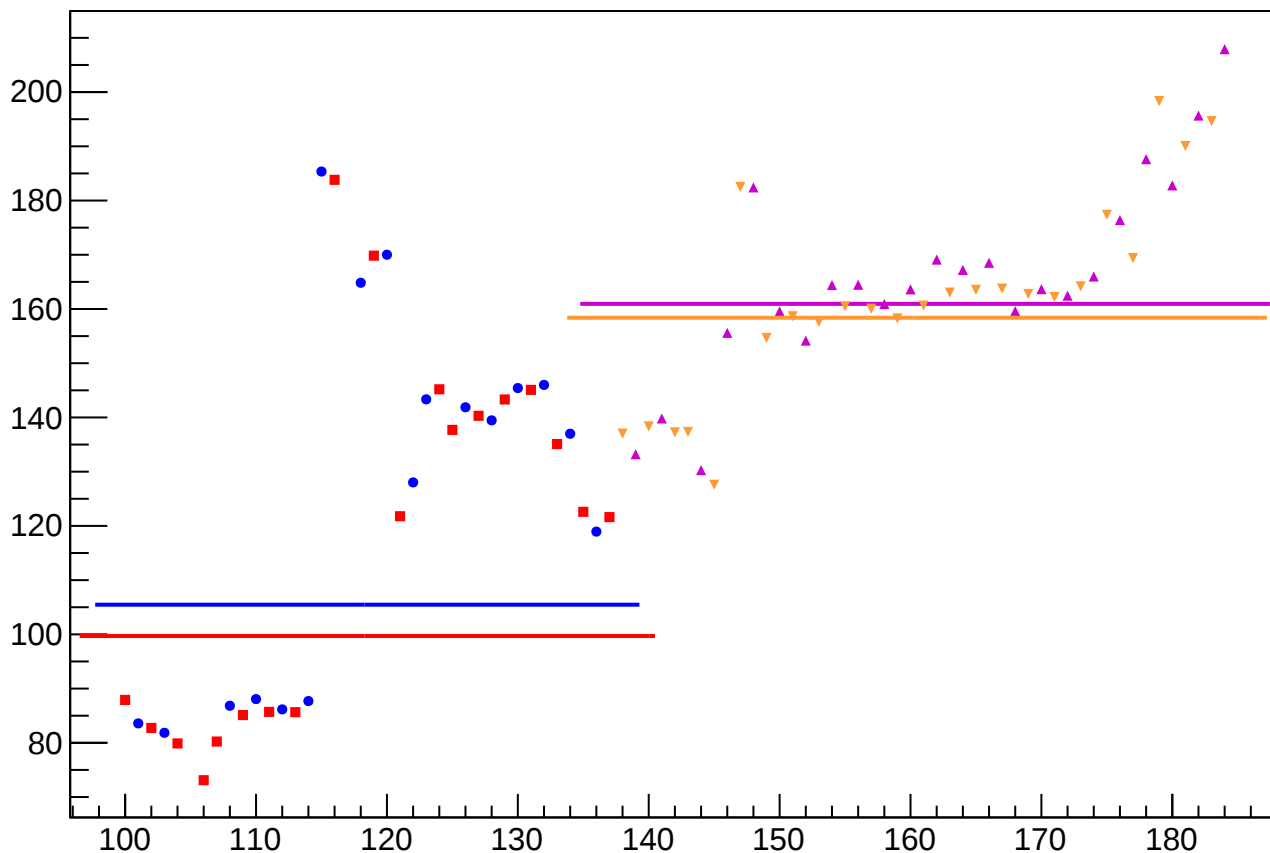
Right: 51.596+/-28.707 χ^2/NDF : 35.0/35

In: 97.747+/-28.580 χ^2/NDF :42.8/39

Out: 154.298+/-27.024 χ^2/NDF :49.0/42

All: 127.603+/-19.636 χ^2/NDF : 93.8/82

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.470 $\pm$ 0.030 χ^2 /NDF: 870293.2/16

Left Out: 158.385 $\pm$ 0.026 χ^2 /NDF: 426484.1/23

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: 159.624 $\pm$ 0.019 χ^2 /NDF: 810720.7/46

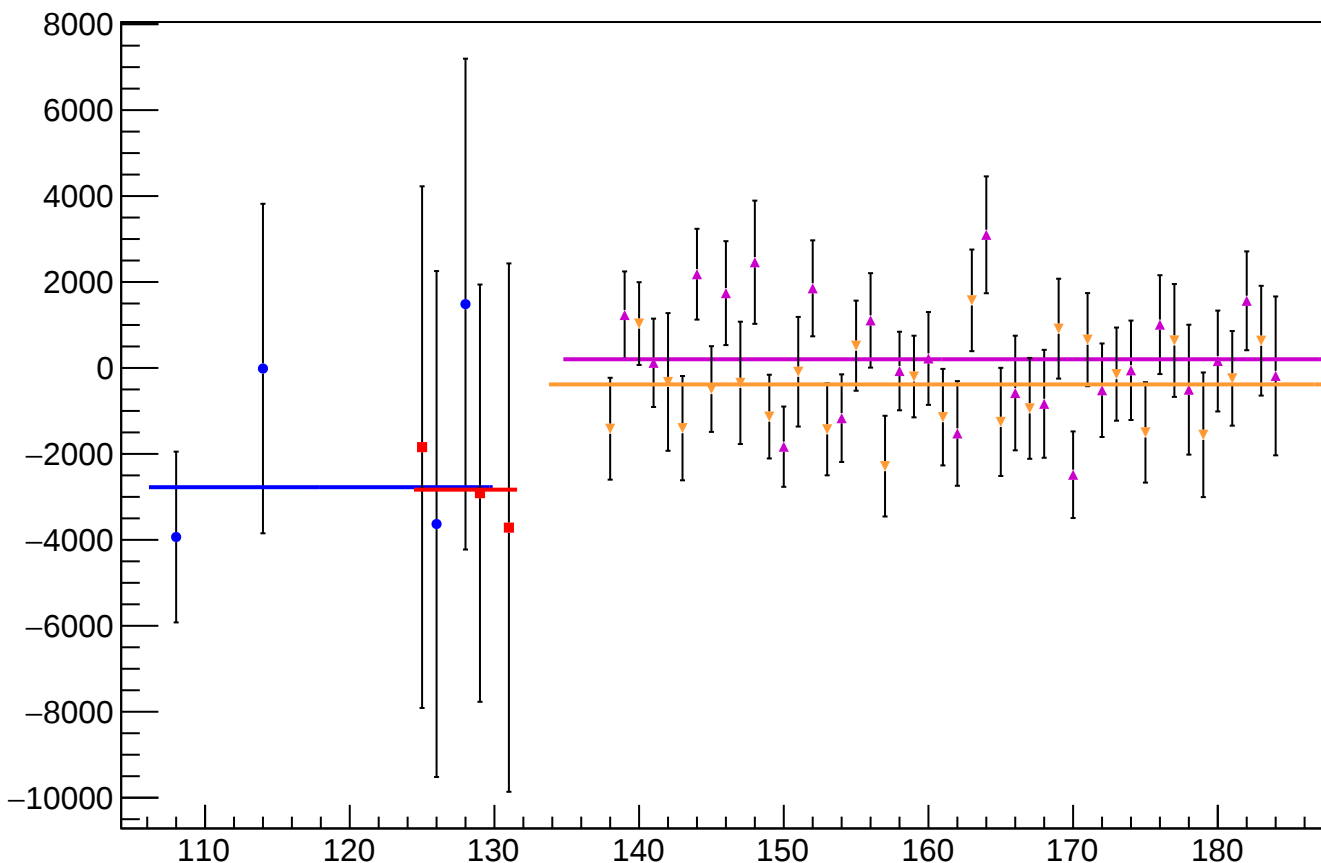
Right: 102.347 $\pm$ 0.020 χ^2 /NDF: 1891054.8/35

In: 135.698 $\pm$ 0.020 χ^2 /NDF: 3118806.7/39

Out: 130.258 $\pm$ 0.019 χ^2 /NDF: 3781421.2/42

All: 132.826 $\pm$ 0.014 χ^2 /NDF: 6938486.1/82

asym_sam5_correction_mean vs Slug, Sign Corrected



Right In: -2774.520+/-1620.377 χ^2/NDF : 1.4/3

Left Out: -382.836+/-234.534 χ^2/NDF : 17.6/23

Right Out: -2831.759+/-3227.072 χ^2/NDF : 0.0/2

Left In: 202.234+/-237.460 χ^2/NDF : 35.5/22

Left: -93.928+/-166.865 χ^2/NDF : 56.1/46

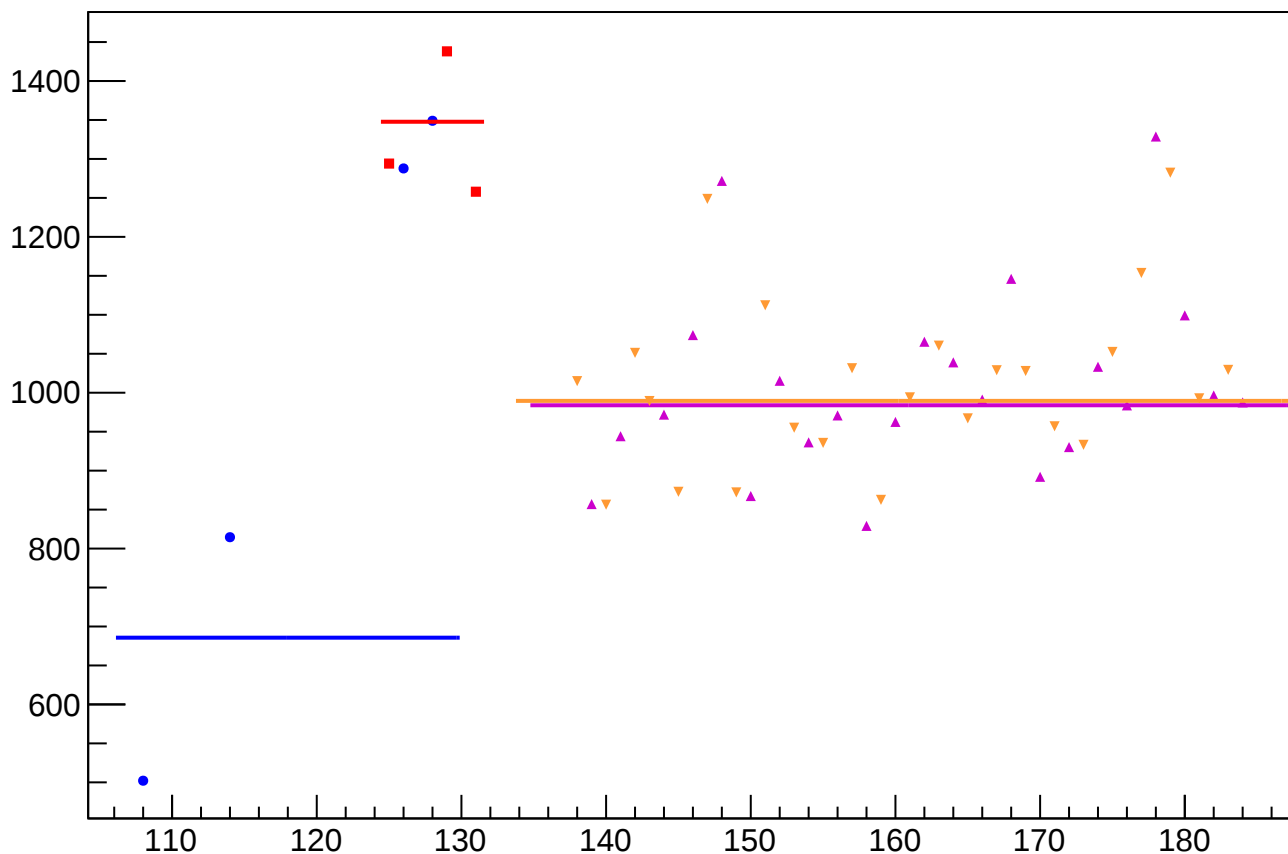
Right: -2786.046+/-1448.080 χ^2/NDF : 1.5/6

In: 139.650+/-234.950 χ^2/NDF : 40.2/26

Out: -395.703+/-233.917 χ^2/NDF : 18.2/26

All: -129.206+/-165.768 χ^2/NDF : 61.0/53

asym_sam5_correction_rms vs Slug, Sign Corrected



Right In: 685.658 $\pm$ 1.146 χ^2 /NDF: 67240.3/3

Left Out: 989.528 $\pm$ 0.166 χ^2 /NDF:369133.1/23

Right Out: 1347.722 $\pm$ 2.282 χ^2 /NDF: 1275.5/2

Left In: 983.893 $\pm$ 0.168 χ^2 /NDF:416265.7/22

Left: 986.745 $\pm$ 0.118 χ^2 /NDF: 785968.9/46

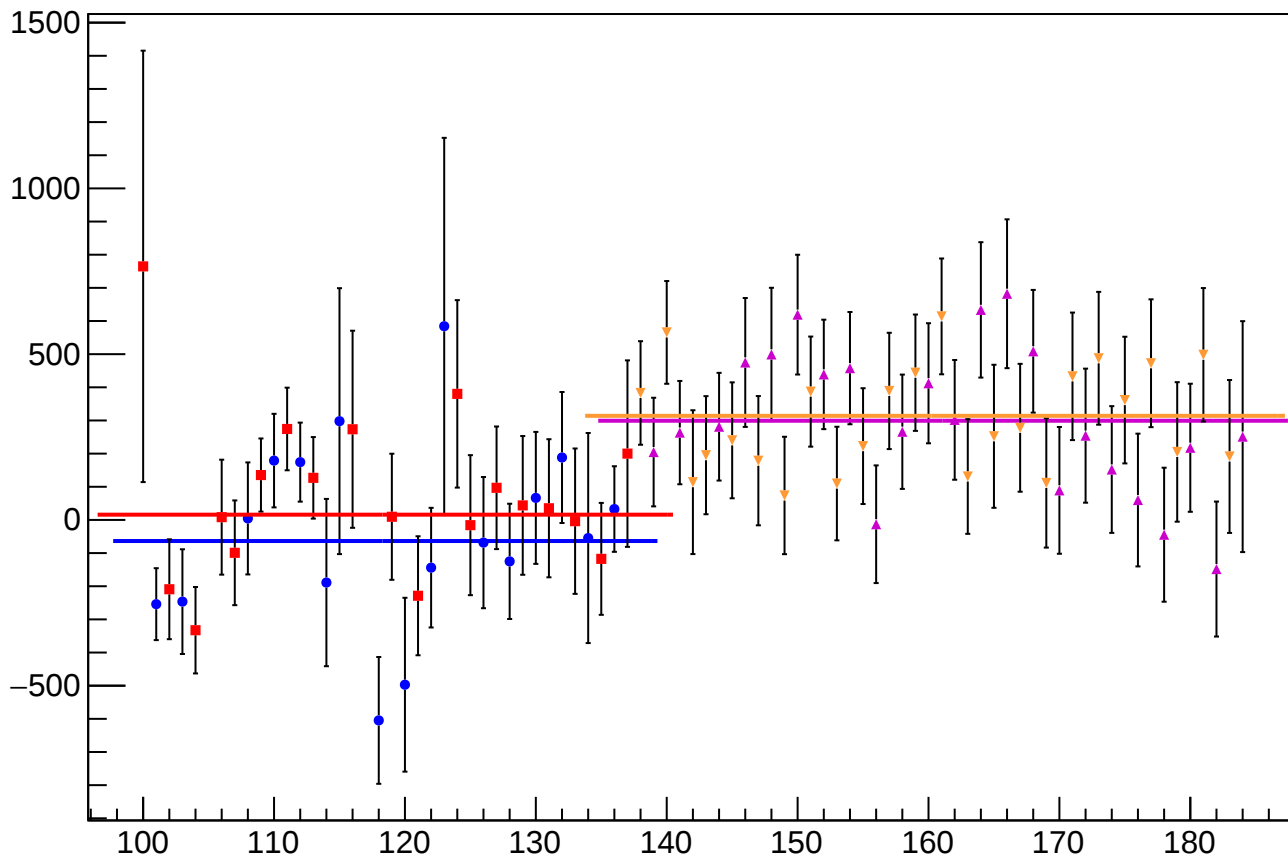
Right: 818.969 $\pm$ 1.024 χ^2 /NDF: 135746.2/6

In: 977.623 $\pm$ 0.166 χ^2 /NDF:549832.8/26

Out: 991.410 $\pm$ 0.165 χ^2 /NDF:394919.6/26

All: 984.547 $\pm$ 0.117 χ^2 /NDF: 948211.0/53

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -63.627 ± 42.336 $\chi^2/\text{NDF}: 27.6/16$

Left Out: 314.055 ± 37.590 $\chi^2/\text{NDF}: 17.8/23$

Right Out: 15.859 ± 39.532 $\chi^2/\text{NDF}: 23.1/18$

Left In: 299.192 ± 39.009 $\chi^2/\text{NDF}: 28.5/22$

Left: 306.899 ± 27.068 $\chi^2/\text{NDF}: 46.4/46$

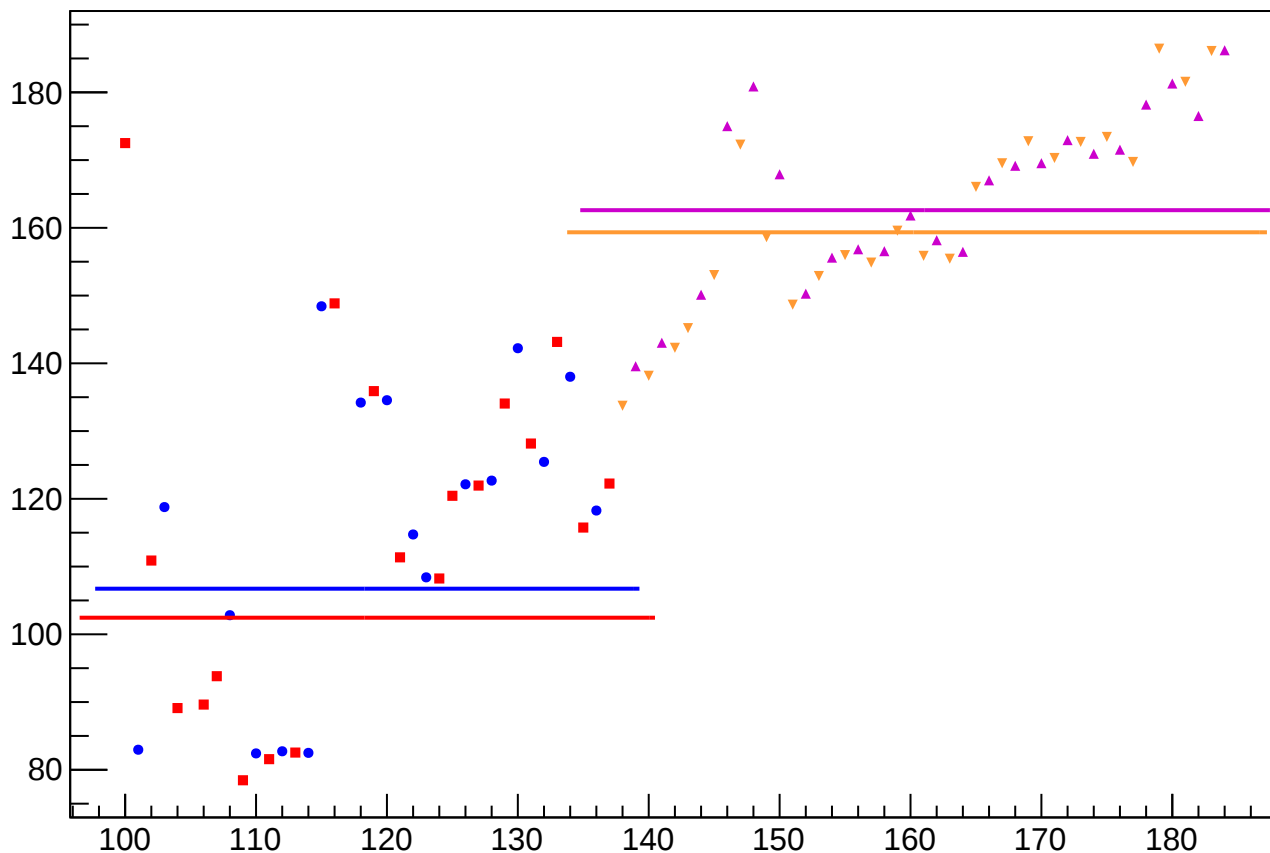
Right: -21.165 ± 28.894 $\chi^2/\text{NDF}: 52.5/35$

In: 132.597 ± 28.688 $\chi^2/\text{NDF}: 95.8/39$

Out: 172.459 ± 27.241 $\chi^2/\text{NDF}: 70.8/42$

All: 153.559 ± 19.754 $\chi^2/\text{NDF}: 167.6/82$

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.733 $\pm$ 0.030 χ^2 /NDF: 503149.3/16

Left Out: 159.343 $\pm$ 0.027 χ^2 /NDF:276055.3/23

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: 160.914 $\pm$ 0.019 χ^2 /NDF: 482857.6/46

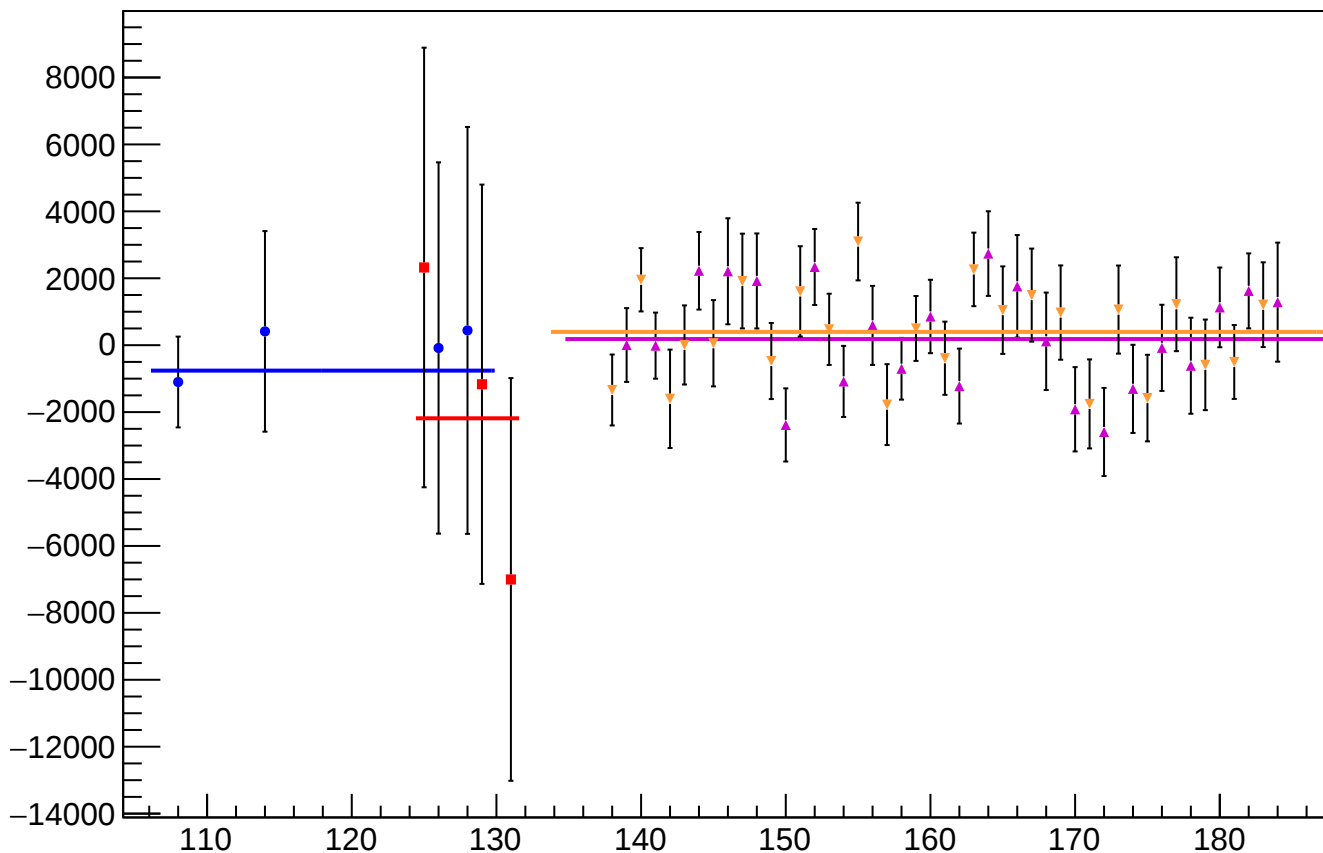
Right: 104.446 $\pm$ 0.020 χ^2 /NDF: 1105106.2/35

In: 136.951 $\pm$ 0.020 χ^2 /NDF:2586665.8/39

Out: 132.328 $\pm$ 0.019 χ^2 /NDF:3042351.9/42

All: 134.520 $\pm$ 0.014 χ^2 /NDF: 5656329.2/82

asym_sam6_correction_mean vs Slug, Sign Corrected



Right In: -760.095+/-1183.340 χ^2/NDF : 0.3/3

Left Out: 397.001+/-246.258 χ^2/NDF :30.2/23

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: 292.628+/-176.214 χ^2/NDF : 67.1/46

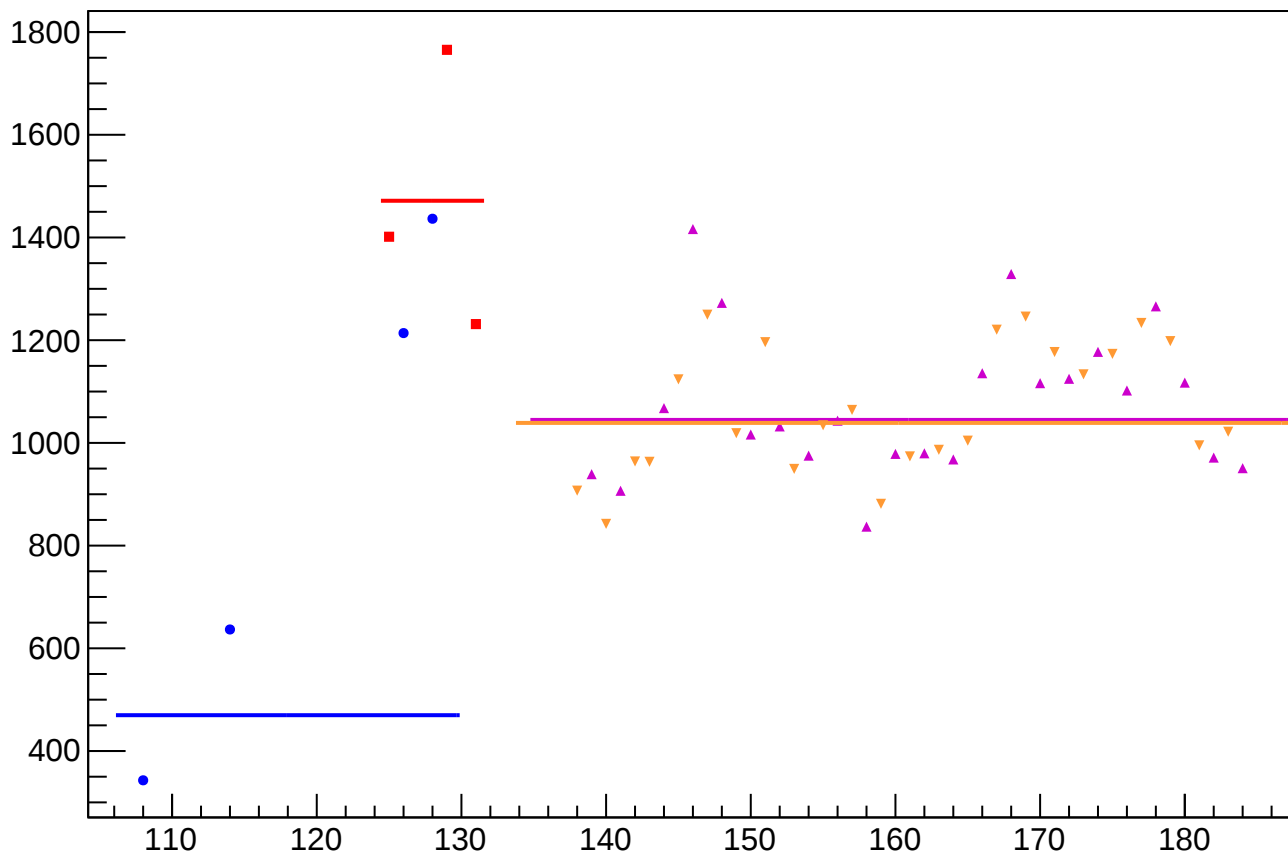
Right: -901.813+/-1122.948 χ^2/NDF : 1.6/6

In: 142.108+/-246.715 χ^2/NDF :37.4/26

Out: 384.710+/-245.671 χ^2/NDF :31.9/26

All: 263.923+/-174.084 χ^2/NDF : 69.7/53

asym_sam6_correction_rms vs Slug, Sign Corrected



Right In: 469.775 $\pm$ 0.837 χ^2 /NDF: 110192.0/3

Left Out: 1038.934 $\pm$ 0.174 χ^2 /NDF:492832.3/23

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: 1041.770 $\pm$ 0.125 χ^2 /NDF: 1036691.5/46

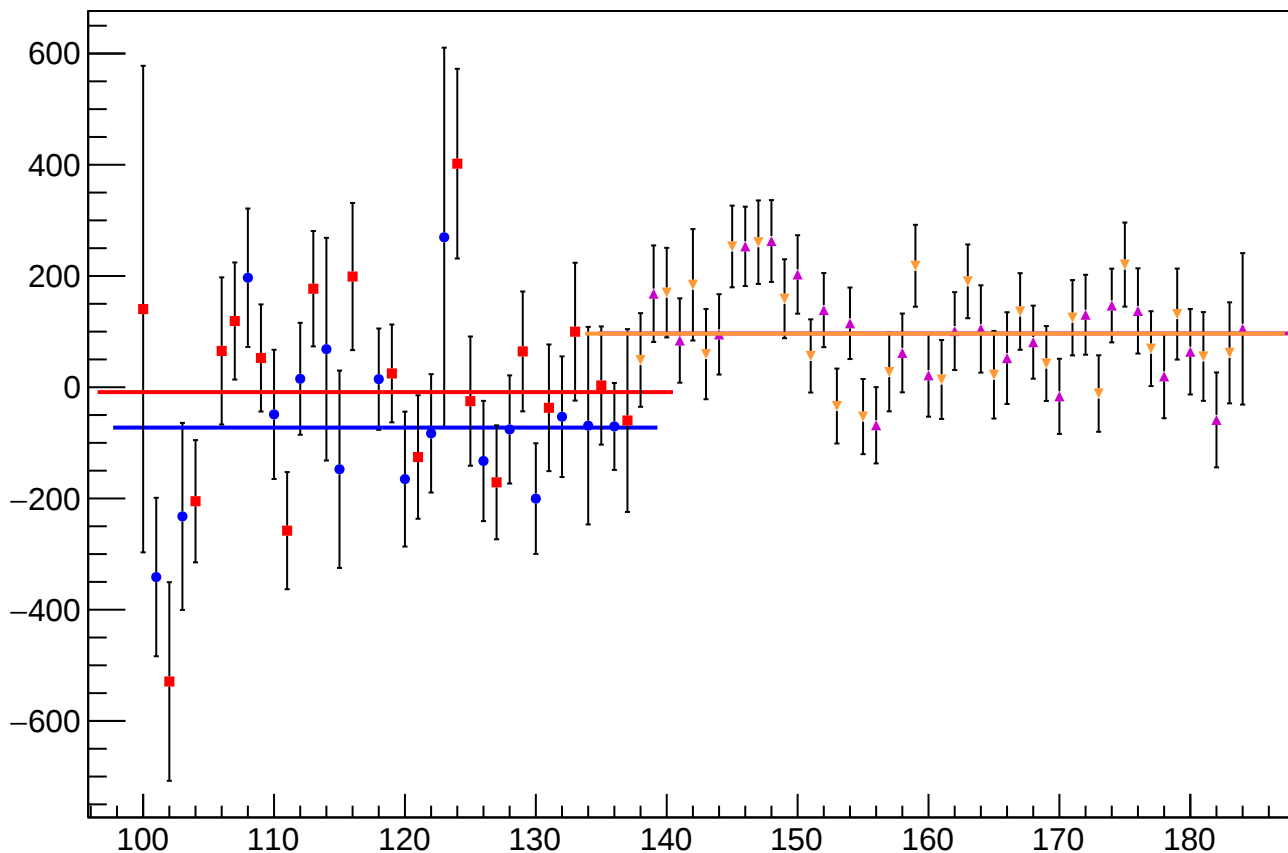
Right: 569.413 $\pm$ 0.794 χ^2 /NDF: 261013.9/6

In: 1019.753 $\pm$ 0.174 χ^2 /NDF:1105157.2/26

Out: 1040.993 $\pm$ 0.174 χ^2 /NDF:530476.1/26

All: 1030.418 $\pm$ 0.123 χ^2 /NDF: 1643076.6/53

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -72.547 ± 28.434 $\chi^2/\text{NDF}: 15.1/16$

Left Out: 96.394 ± 15.016 $\chi^2/\text{NDF}: 36.2/23$

Right Out: -8.790 ± 26.889 $\chi^2/\text{NDF}: 36.2/18$

Left In: 96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

Left: 96.546 ± 10.741 $\chi^2/\text{NDF}: 65.5/46$

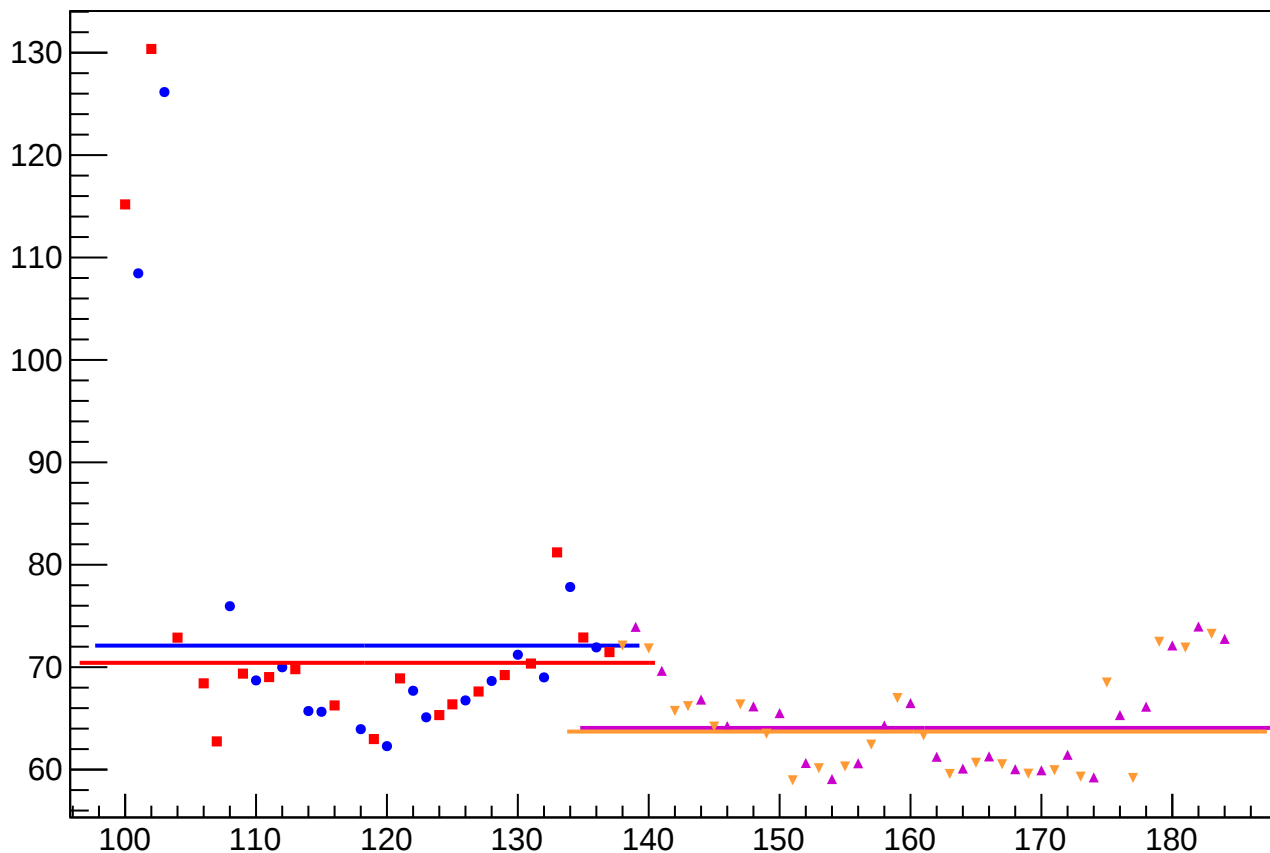
Right: -38.889 ± 19.537 $\chi^2/\text{NDF}: 54.0/35$

In: 58.436 ± 13.521 $\chi^2/\text{NDF}: 71.8/39$

Out: 71.390 ± 13.110 $\chi^2/\text{NDF}: 84.1/42$

All: 65.112 ± 9.412 $\chi^2/\text{NDF}: 156.4/82$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.106 $\pm$ 0.020 χ^2 /NDF: 390789.8/16

Left Out: 63.712 $\pm$ 0.011 χ^2 /NDF:191562.4/23

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: 63.886 $\pm$ 0.008 χ^2 /NDF: 356774.3/46

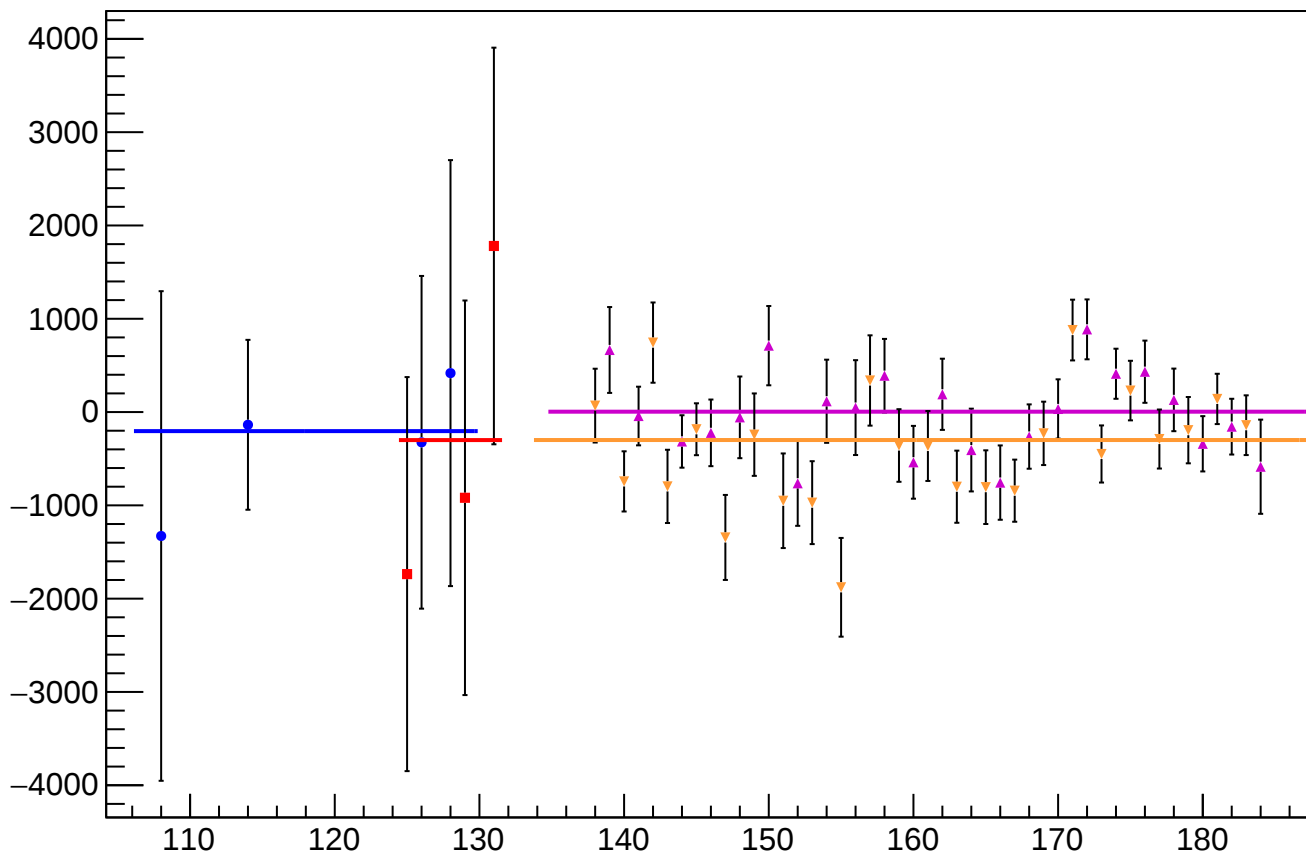
Right: 71.218 $\pm$ 0.014 χ^2 /NDF: 692521.7/35

In: 65.886 $\pm$ 0.010 χ^2 /NDF:679127.5/39

Out: 65.307 $\pm$ 0.009 χ^2 /NDF:584616.5/42

All: 65.588 $\pm$ 0.007 χ^2 /NDF: 1265630.3/82

asym_sam7_correction_mean vs Slug, Sign Corrected



Right In: -204.257 ± 733.668 $\chi^2/\text{NDF}: 0.3/3$

Left Out: -299.763 ± 73.839 $\chi^2/\text{NDF}: 55.4/23$

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: -150.403 ± 52.647 $\chi^2/\text{NDF}: 96.1/46$

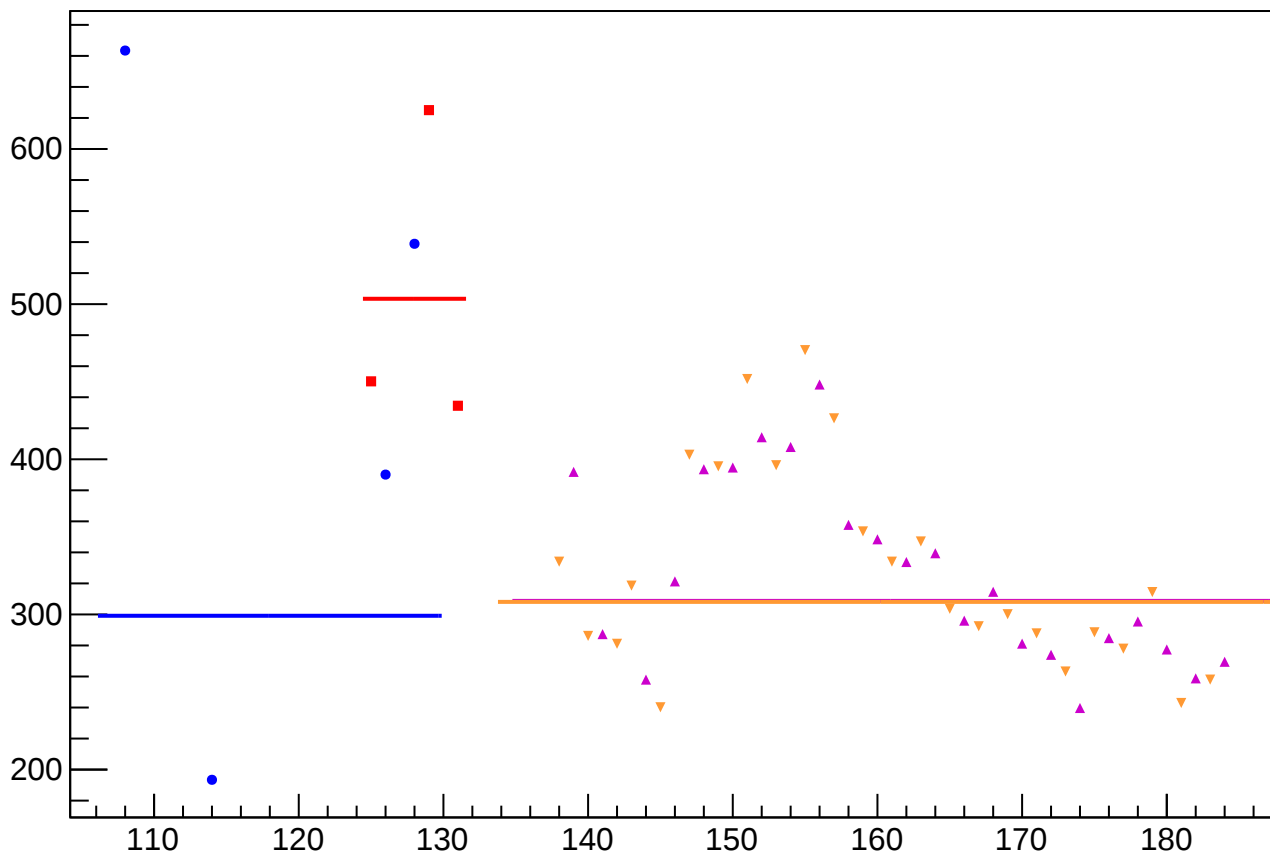
Right: -229.698 ± 629.071 $\chi^2/\text{NDF}: 1.8/6$

In: 1.878 ± 74.694 $\chi^2/\text{NDF}: 32.7/26$

Out: -299.765 ± 73.705 $\chi^2/\text{NDF}: 57.0/26$

All: -150.954 ± 52.464 $\chi^2/\text{NDF}: 97.9/53$

asym_sam7_correction_rms vs Slug, Sign Corrected



Right In: 299.143+/-0.519 χ^2/NDF : 92782.9/3

Left Out: 308.096+/-0.052 χ^2/NDF :1163833.3/23

Right Out: 503.459+/-0.864 χ^2/NDF : 9987.6/2

Left In: 308.727+/-0.053 χ^2/NDF :1002947.4/22

Left: 308.406+/-0.037 χ^2/NDF : 2166852.5/46

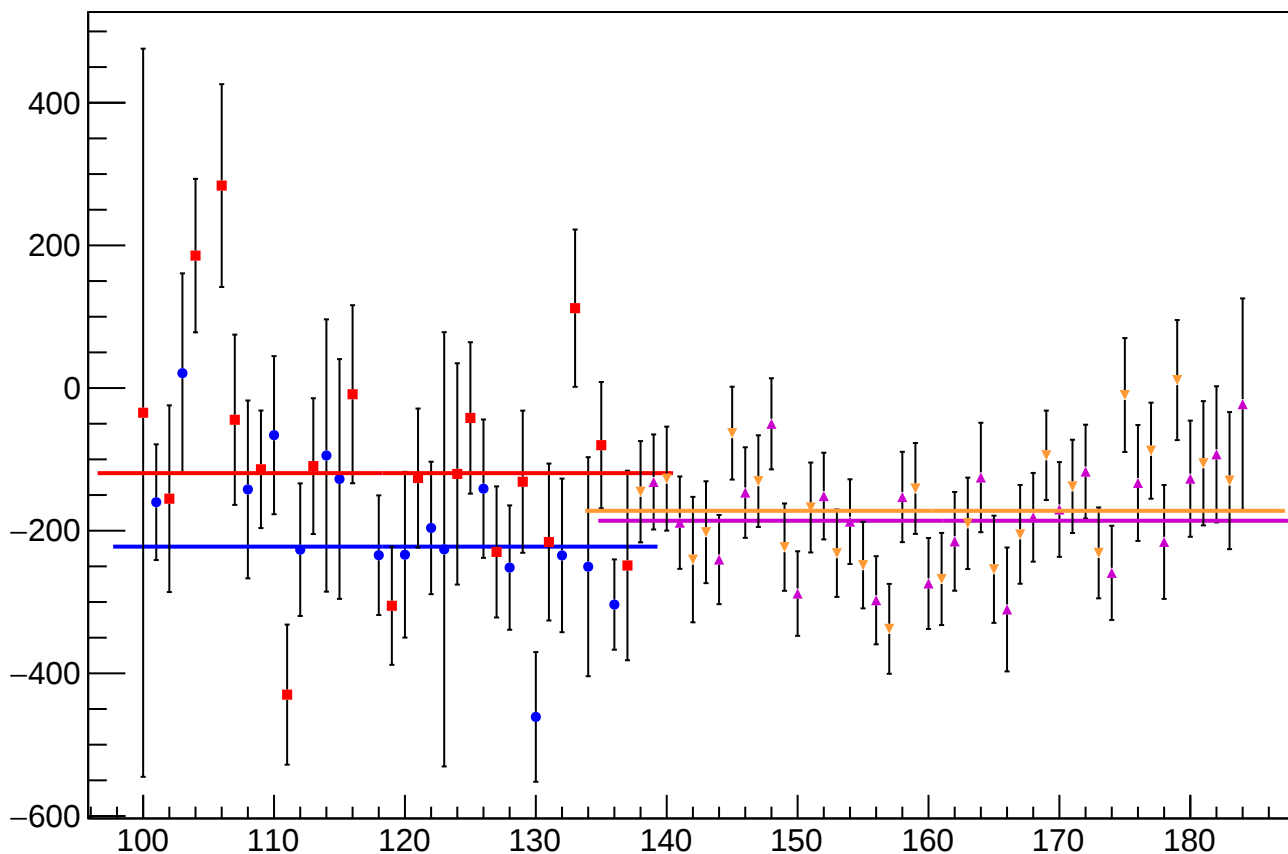
Right: 353.248+/-0.445 χ^2/NDF : 143844.4/6

In: 308.627+/-0.053 χ^2/NDF :1096068.1/26

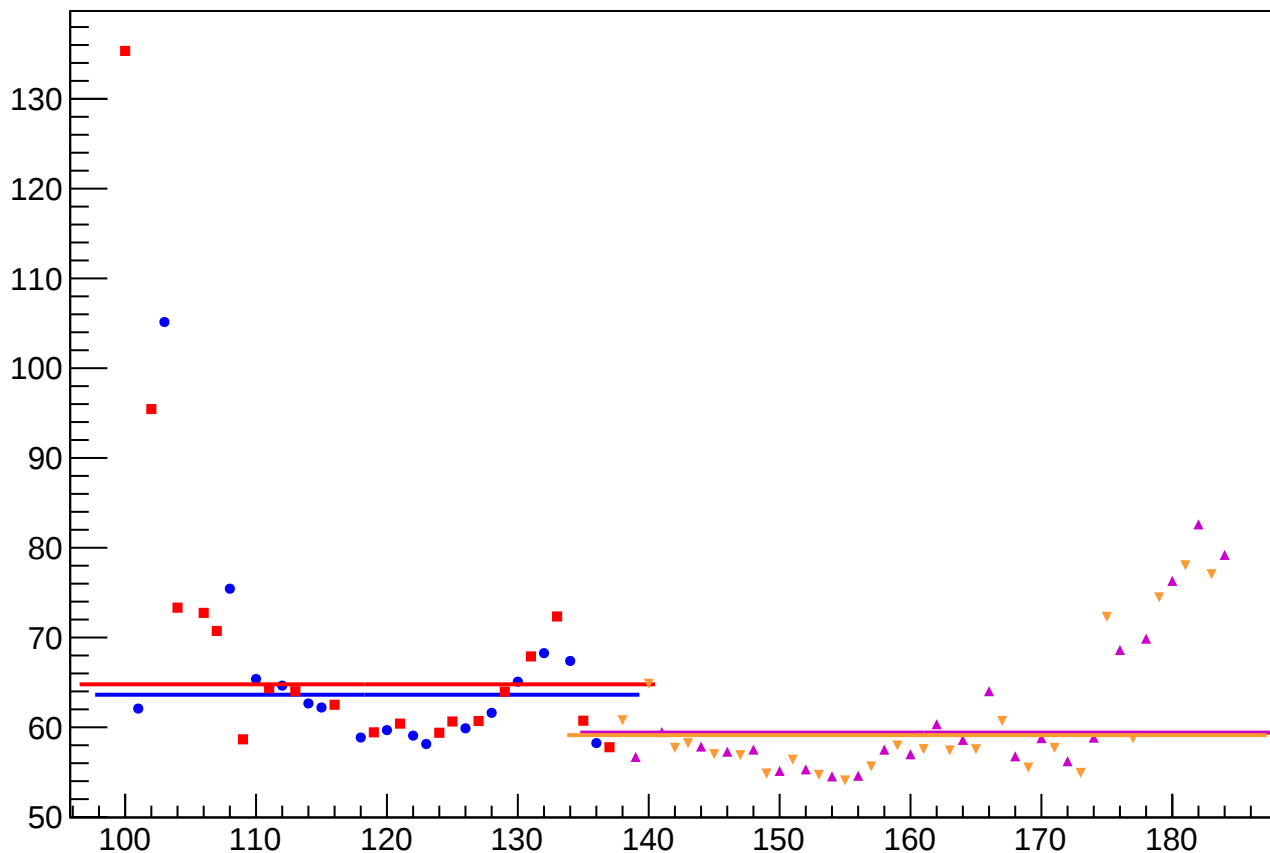
Out: 308.806+/-0.052 χ^2/NDF :1224714.7/26

All: 308.718+/-0.037 χ^2/NDF : 2320788.5/53

reg_asym_sam8_mean vs Slug, Sign Corrected



reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.629 $\pm$ 0.018 χ^2 /NDF: 233899.4/16

Left Out: 59.132 $\pm$ 0.010 χ^2 /NDF: 369076.4/23

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: 59.268 $\pm$ 0.007 χ^2 /NDF: 742516.3/46

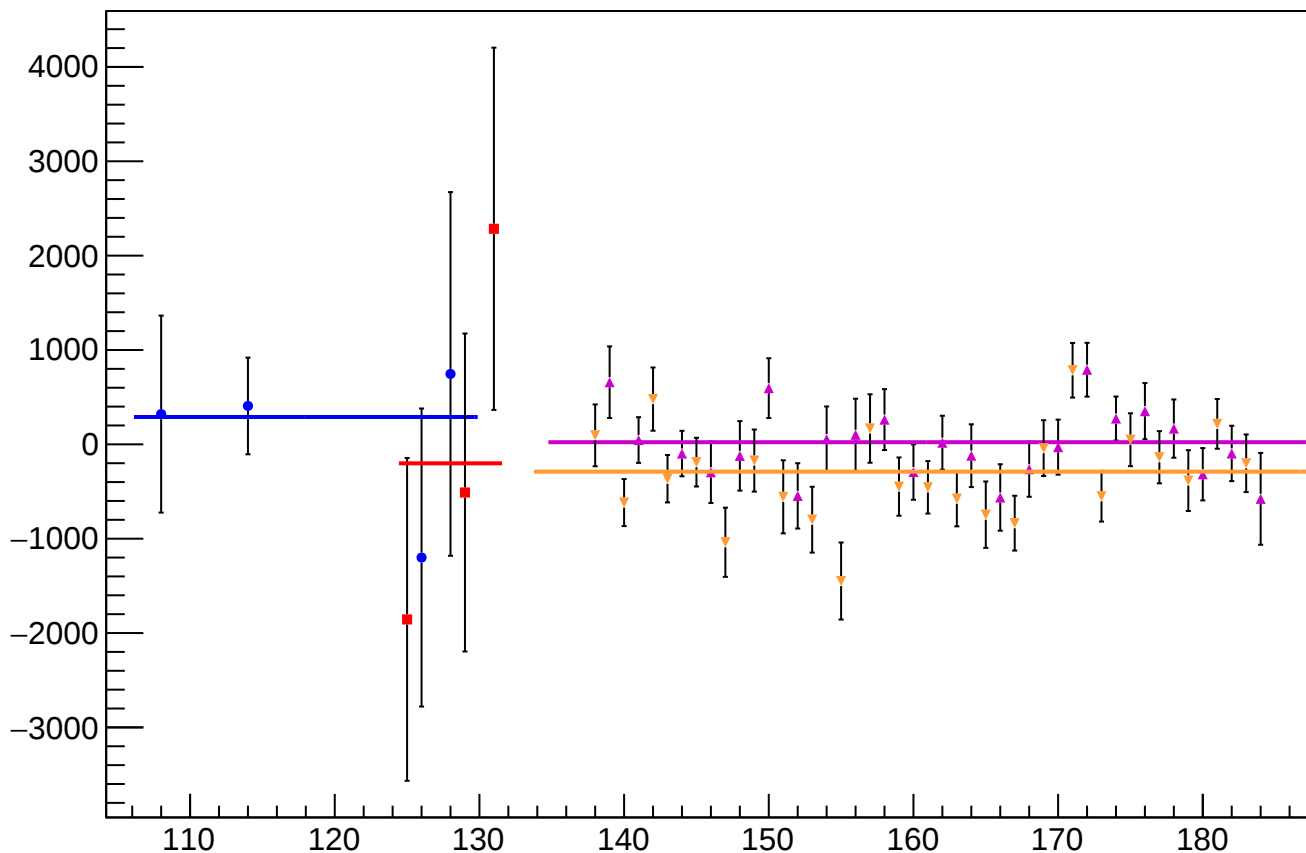
Right: 64.214 $\pm$ 0.012 χ^2 /NDF: 462460.8/35

In: 60.456 $\pm$ 0.009 χ^2 /NDF: 649987.1/39

Out: 60.509 $\pm$ 0.009 χ^2 /NDF: 675001.8/42

All: 60.483 $\pm$ 0.006 χ^2 /NDF: 1325007.5/82

asym_sam8_correction_mean vs Slug, Sign Corrected



Right In: 289.832 ± 430.437 $\chi^2/\text{NDF}: 1.0/3$

Left Out: -289.513 ± 61.653 $\chi^2/\text{NDF}: 53.0/23$

Right Out: -201.085 ± 1017.740 $\chi^2/\text{NDF}: 2.6/2$

Left In: 22.631 ± 63.643 $\chi^2/\text{NDF}: 28.9/22$

Left: -138.398 ± 44.282 $\chi^2/\text{NDF}: 94.3/46$

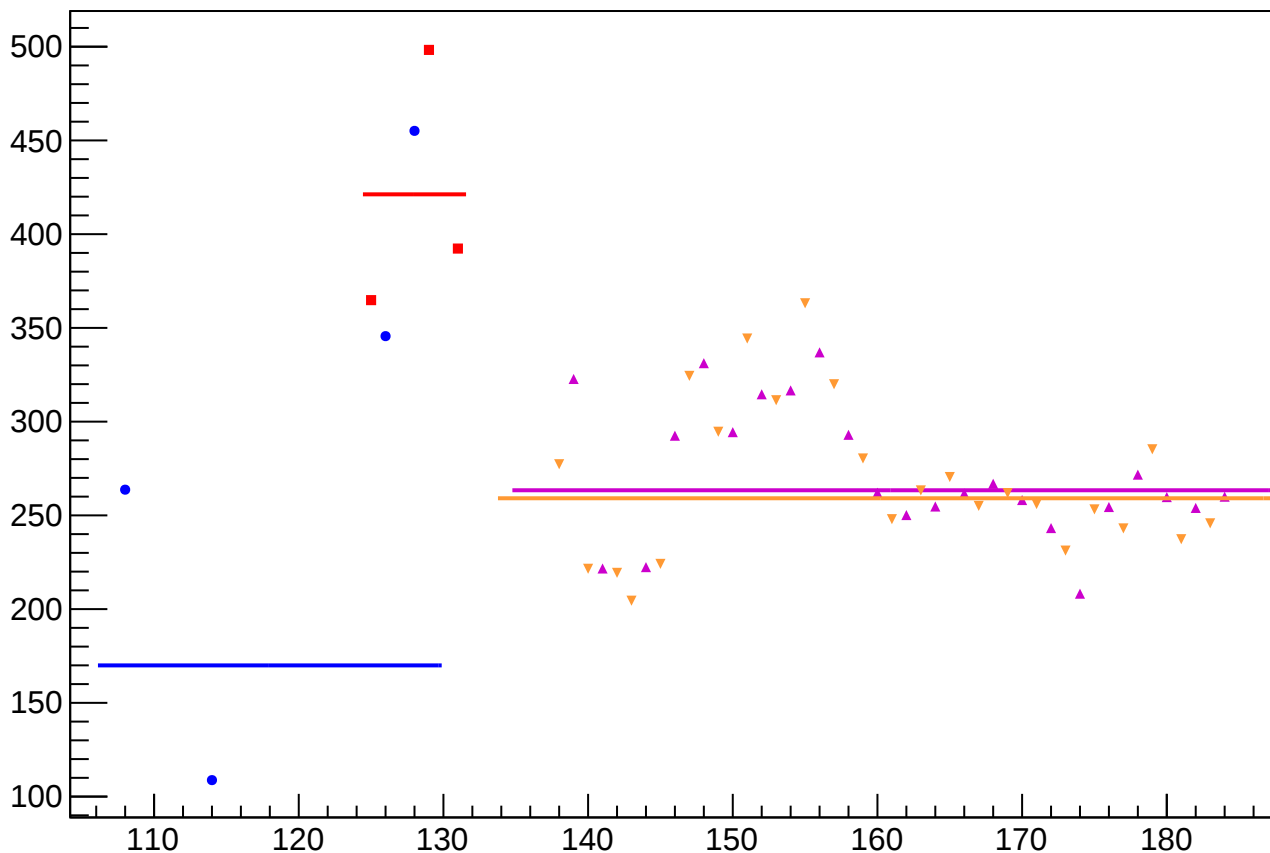
Right: 215.344 ± 396.439 $\chi^2/\text{NDF}: 3.8/6$

In: 28.347 ± 62.959 $\chi^2/\text{NDF}: 30.3/26$

Out: -289.190 ± 61.540 $\chi^2/\text{NDF}: 55.7/26$

All: -134.039 ± 44.008 $\chi^2/\text{NDF}: 98.9/53$

asym_sam8_correction_rms vs Slug, Sign Corrected



Right In: 169.977+/-0.304 χ^2/NDF : 113149.8/3

Left Out: 259.125+/-0.044 χ^2/NDF : 701467.4/23

Right Out: 421.246+/-0.720 χ^2/NDF : 6812.8/2

Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

Left: 261.193+/-0.031 χ^2/NDF : 1291715.8/46

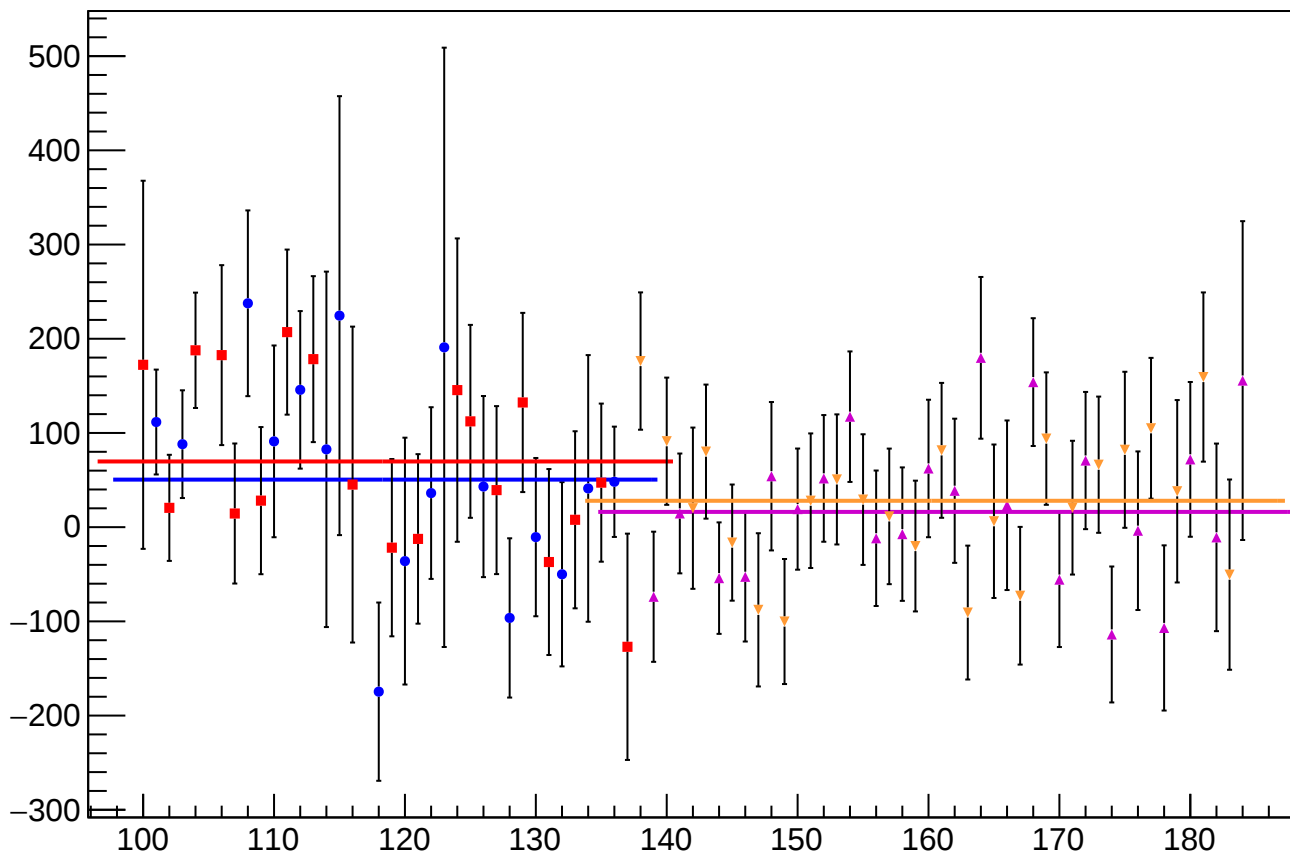
Right: 208.103+/-0.280 χ^2/NDF : 223373.2/6

In: 261.398+/-0.045 χ^2/NDF : 790942.2/26

Out: 259.718+/-0.044 χ^2/NDF : 758844.3/26

All: 260.539+/-0.031 χ^2/NDF : 1550515.1/53

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: 28.002 $\pm$ 15.120 χ^2 /NDF:23.2/23

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: 22.258 $\pm$ 10.834 χ^2 /NDF: 46.8/46

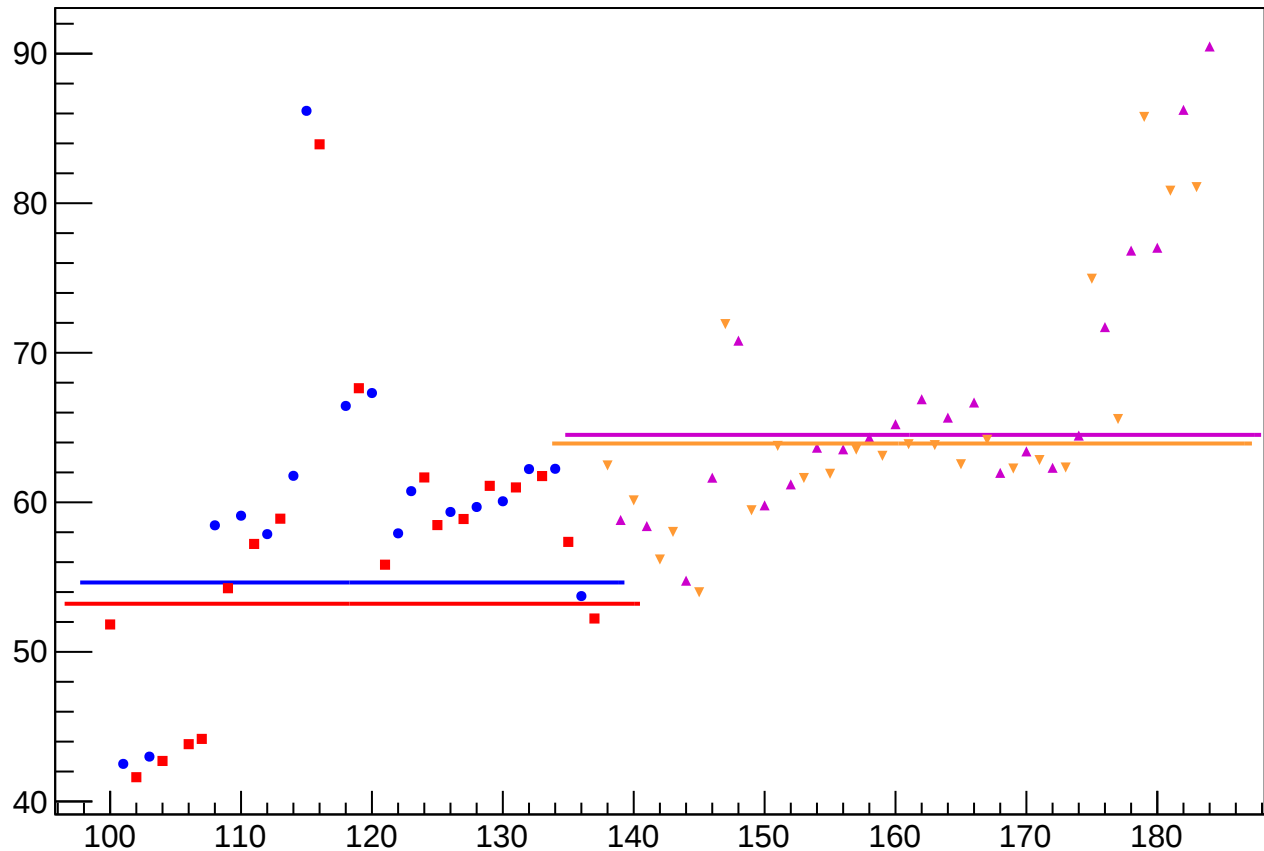
Right: 60.607 $\pm$ 14.832 χ^2 /NDF: 36.7/35

In: 27.915 $\pm$ 12.599 χ^2 /NDF:43.2/39

Out: 42.756 $\pm$ 12.158 χ^2 /NDF:44.0/42

All: 35.600 $\pm$ 8.749 χ^2 /NDF: 87.9/82

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: 63.933 $\pm$ 0.011 χ^2 /NDF: 391870.9/23

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: 64.214 $\pm$ 0.008 χ^2 /NDF: 763807.3/46

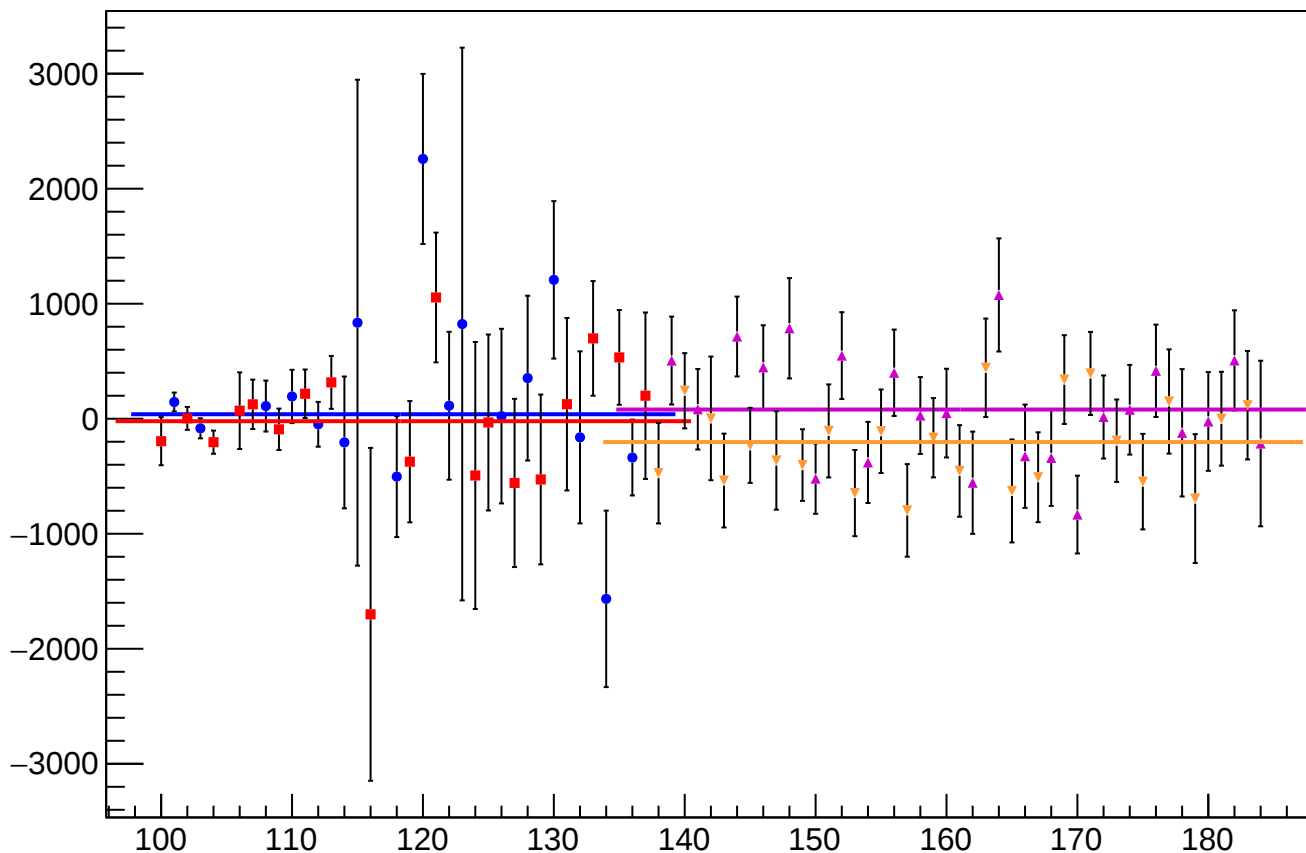
Right: 53.892 $\pm$ 0.010 χ^2 /NDF: 711474.8/35

In: 61.136 $\pm$ 0.009 χ^2 /NDF: 965704.8/39

Out: 60.145 $\pm$ 0.009 χ^2 /NDF: 1134781.3/42

All: 60.623 $\pm$ 0.006 χ^2 /NDF: 2106888.9/82

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: -202.848 ± 80.460 $\chi^2/\text{NDF}: 19.0/23$

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: -63.734 ± 57.355 $\chi^2/\text{NDF}: 58.5/46$

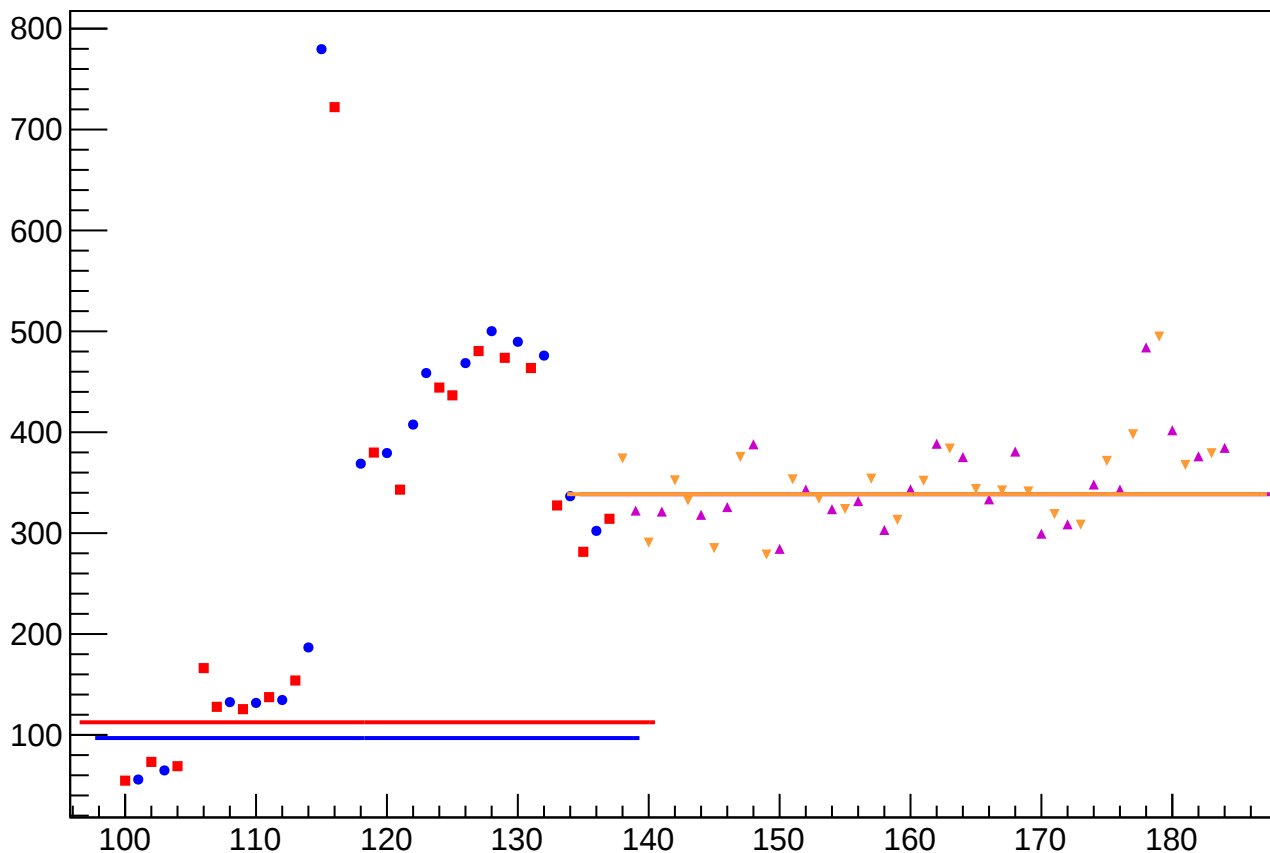
Right: 9.794 ± 37.055 $\chi^2/\text{NDF}: 43.3/35$

In: 50.669 ± 43.616 $\chi^2/\text{NDF}: 57.4/39$

Out: -76.735 ± 44.428 $\chi^2/\text{NDF}: 41.3/42$

All: -11.858 ± 31.124 $\chi^2/\text{NDF}: 102.9/82$

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 96.900+/-0.036 χ^2/NDF : 5800378.0/16

Left Out: 338.609+/-0.057 χ^2/NDF : 493130.8/23

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: 338.587+/-0.041 χ^2/NDF : 930374.2/46

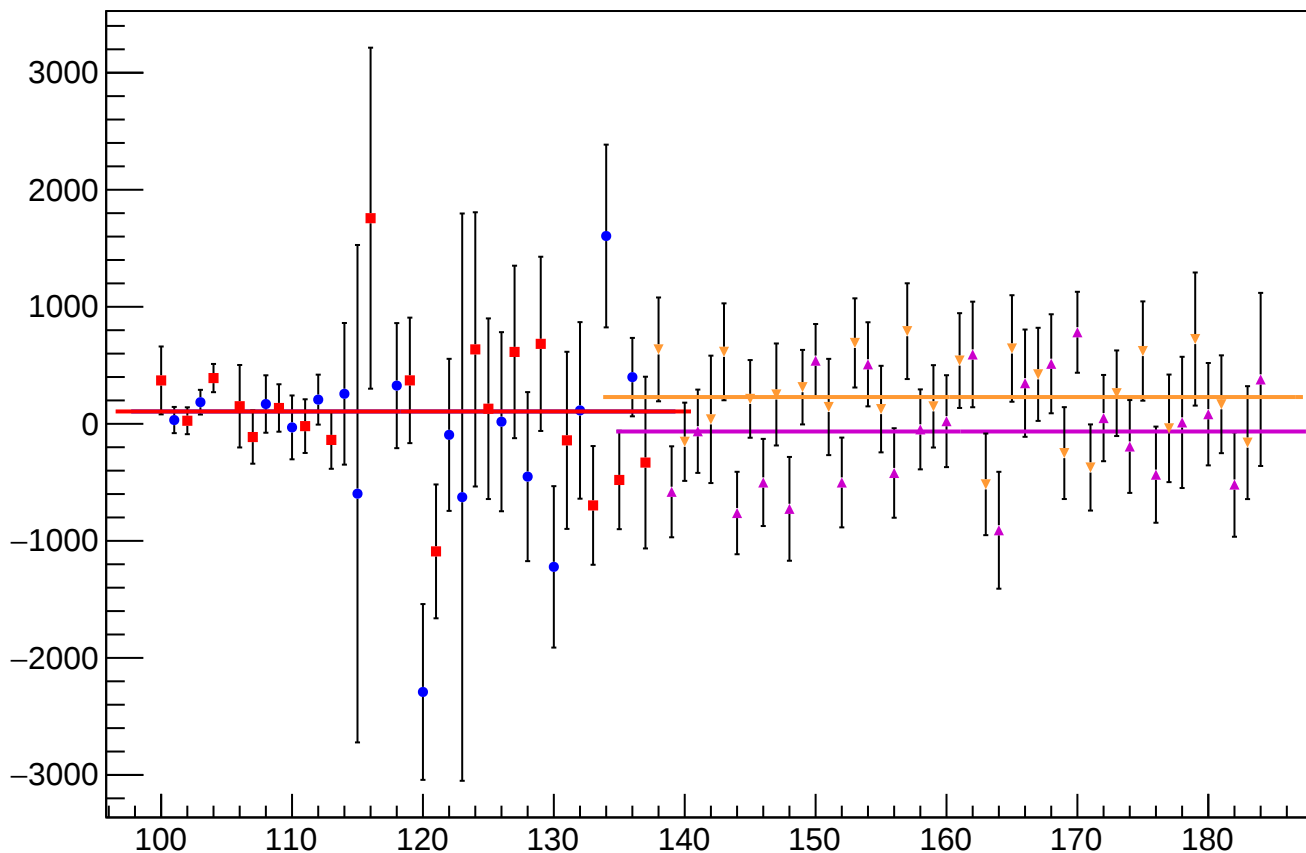
Right: 104.452+/-0.026 χ^2/NDF : 10904891.1/35

In: 165.638+/-0.031 χ^2/NDF : 18734362.6/39

Out: 181.453+/-0.031 χ^2/NDF : 16485721.0/42

All: 173.400+/-0.022 χ^2/NDF : 35349132.5/82

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 105.662 $\pm$ 63.187 χ^2 /NDF: 21.0/16

Left Out: 228.916 $\pm$ 81.943 χ^2 /NDF:18.2/23

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: 84.155 $\pm$ 58.423 χ^2 /NDF: 58.5/46

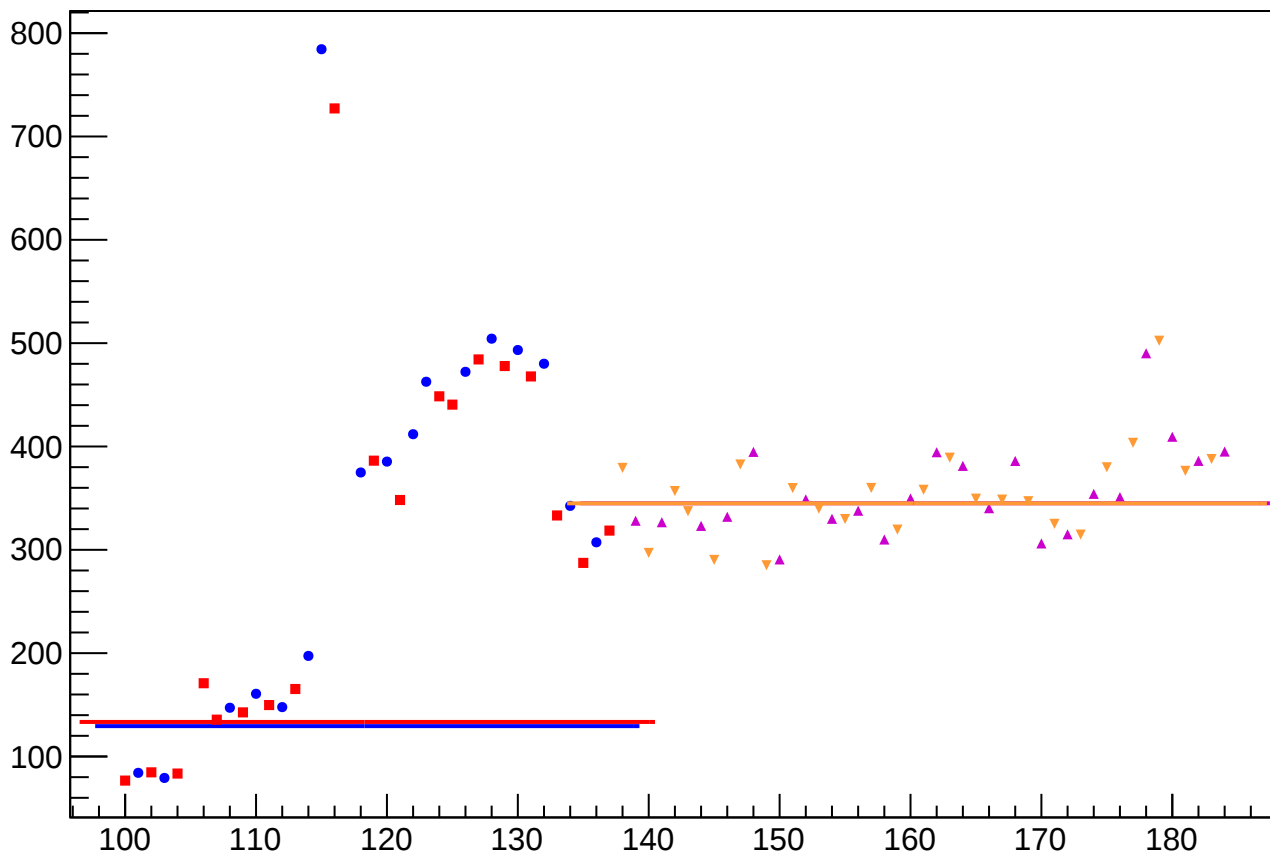
Right: 105.700 $\pm$ 43.841 χ^2 /NDF: 42.2/35

In: 43.161 $\pm$ 50.346 χ^2 /NDF:57.7/39

Out: 149.544 $\pm$ 48.867 χ^2 /NDF:40.9/42

All: 97.938 $\pm$ 35.066 χ^2 /NDF: 100.8/82

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.376 $\pm$ 0.045 χ^2/NDF : 4758533.8/16

Left Out: 344.975 $\pm$ 0.058 χ^2/NDF : 483383.7/23

Right Out: 133.433 $\pm$ 0.043 χ^2/NDF : 4349255.7/18

Left In: 345.039 $\pm$ 0.059 χ^2/NDF : 427381.3/22

Left: 345.007 $\pm$ 0.041 χ^2/NDF : 910765.6/46

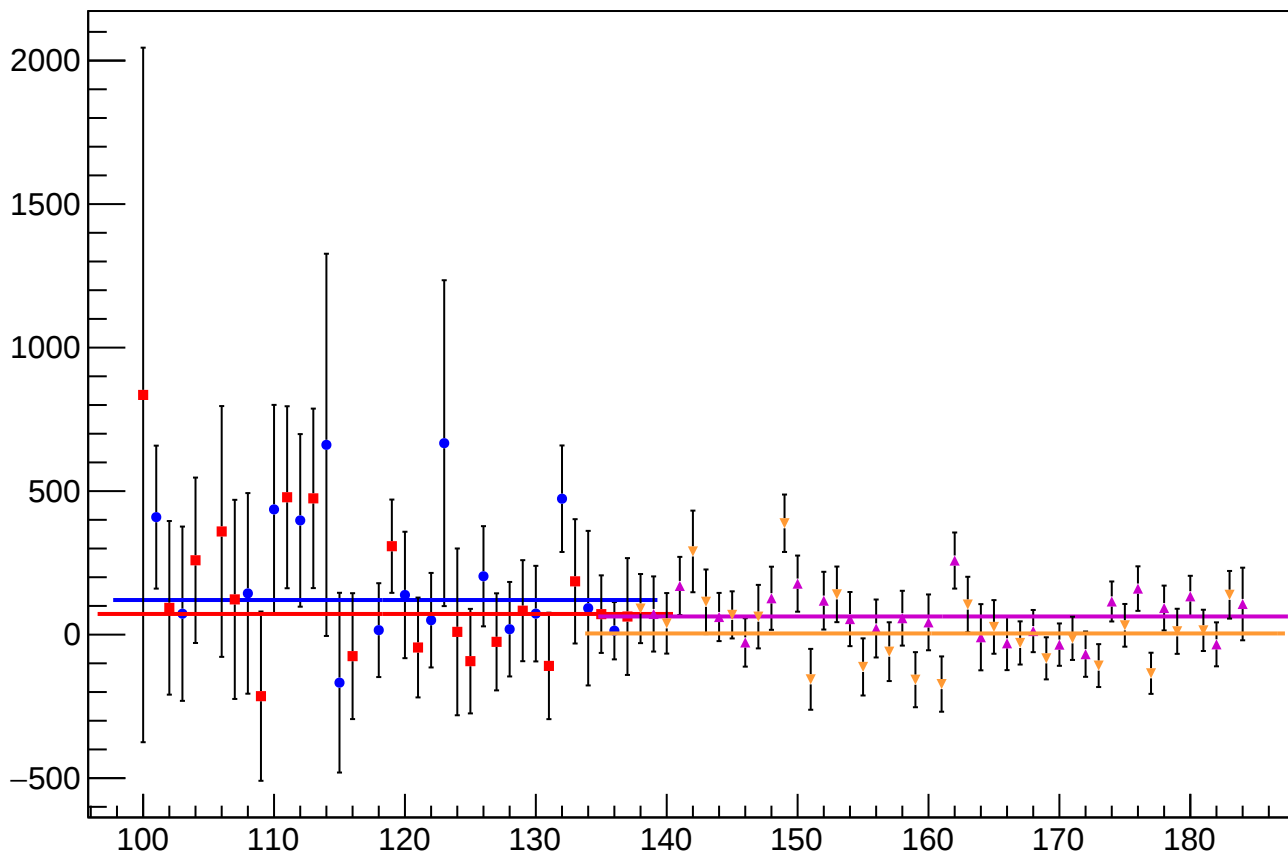
Right: 131.480 $\pm$ 0.031 χ^2/NDF : 9112065.6/35

In: 208.122 $\pm$ 0.036 χ^2/NDF : 13692940.9/39

Out: 208.667 $\pm$ 0.035 χ^2/NDF : 13421314.1/42

All: 208.403 $\pm$ 0.025 χ^2/NDF : 27114376.0/82

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: 4.114 $\pm$ 18.134 χ^2 /NDF:45.0/23

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: 33.191 $\pm$ 12.932 χ^2 /NDF: 70.1/46

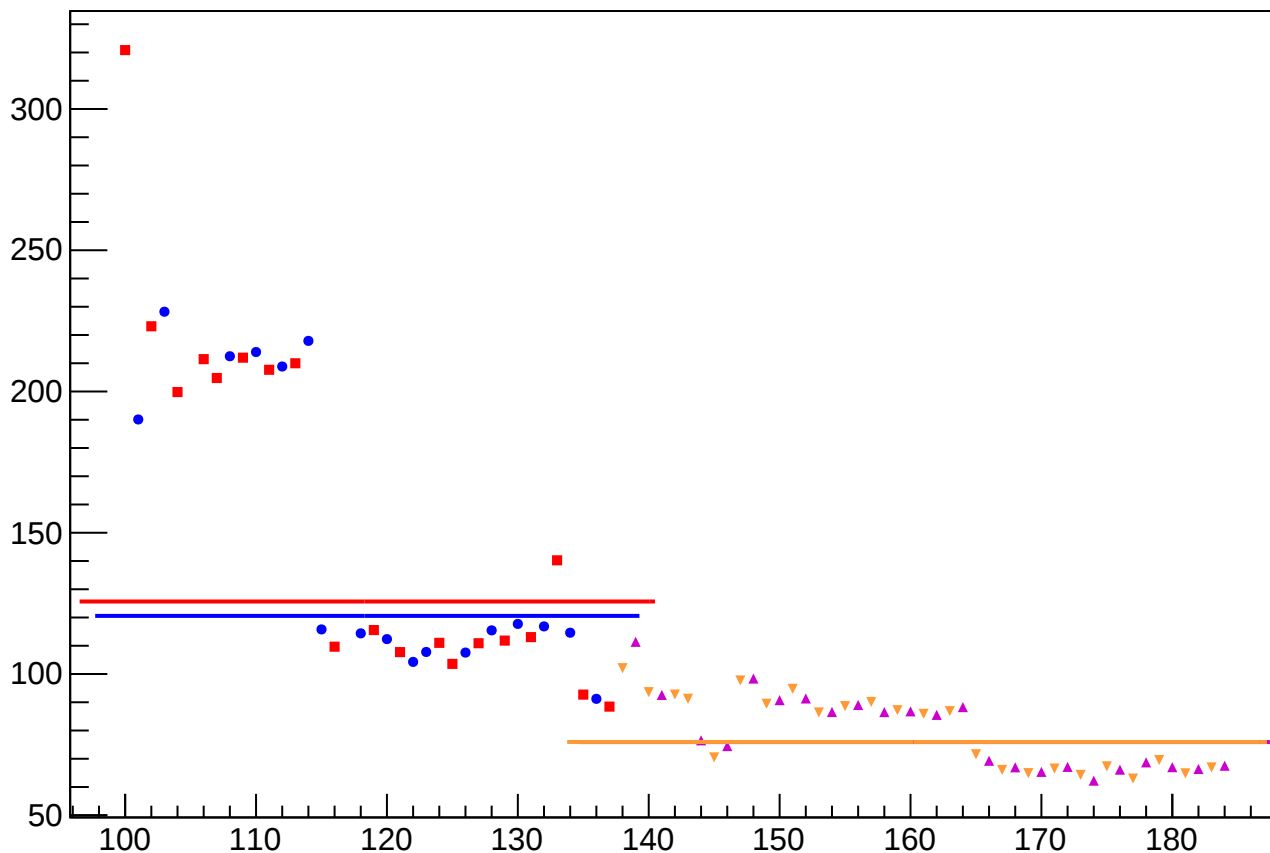
Right: 96.725 $\pm$ 35.087 χ^2 /NDF: 22.9/35

In: 70.343 $\pm$ 17.272 χ^2 /NDF:32.5/39

Out: 11.994 $\pm$ 17.049 χ^2 /NDF:57.6/42

All: 40.789 $\pm$ 12.134 χ^2 /NDF: 95.9/82

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: 75.947 $\pm$ 0.013 χ^2 /NDF: 909656.1/23

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: 75.928 $\pm$ 0.009 χ^2 /NDF: 1741026.7/46

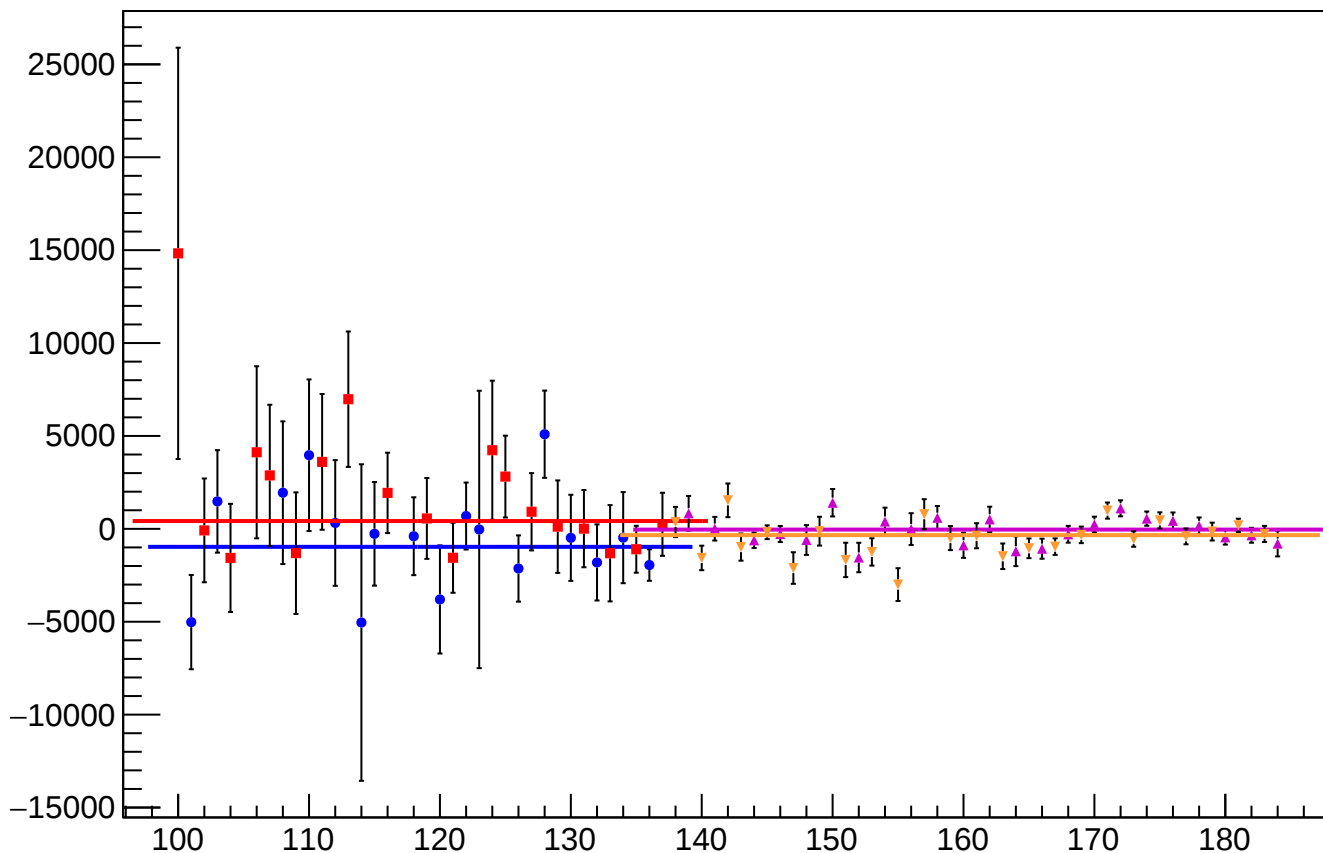
Right: 123.077 $\pm$ 0.025 χ^2 /NDF: 2447473.4/35

In: 81.414 $\pm$ 0.012 χ^2 /NDF: 3383929.5/39

Out: 81.716 $\pm$ 0.012 χ^2 /NDF: 3983832.5/42

All: 81.567 $\pm$ 0.009 χ^2 /NDF: 7368070.7/82

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -968.648+/-513.413 χ^2/NDF : 16.4/16

Left Out: -339.032+/-109.938 χ^2/NDF : 50.2/23

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: -190.179+/-77.849 χ^2/NDF : 88.7/46

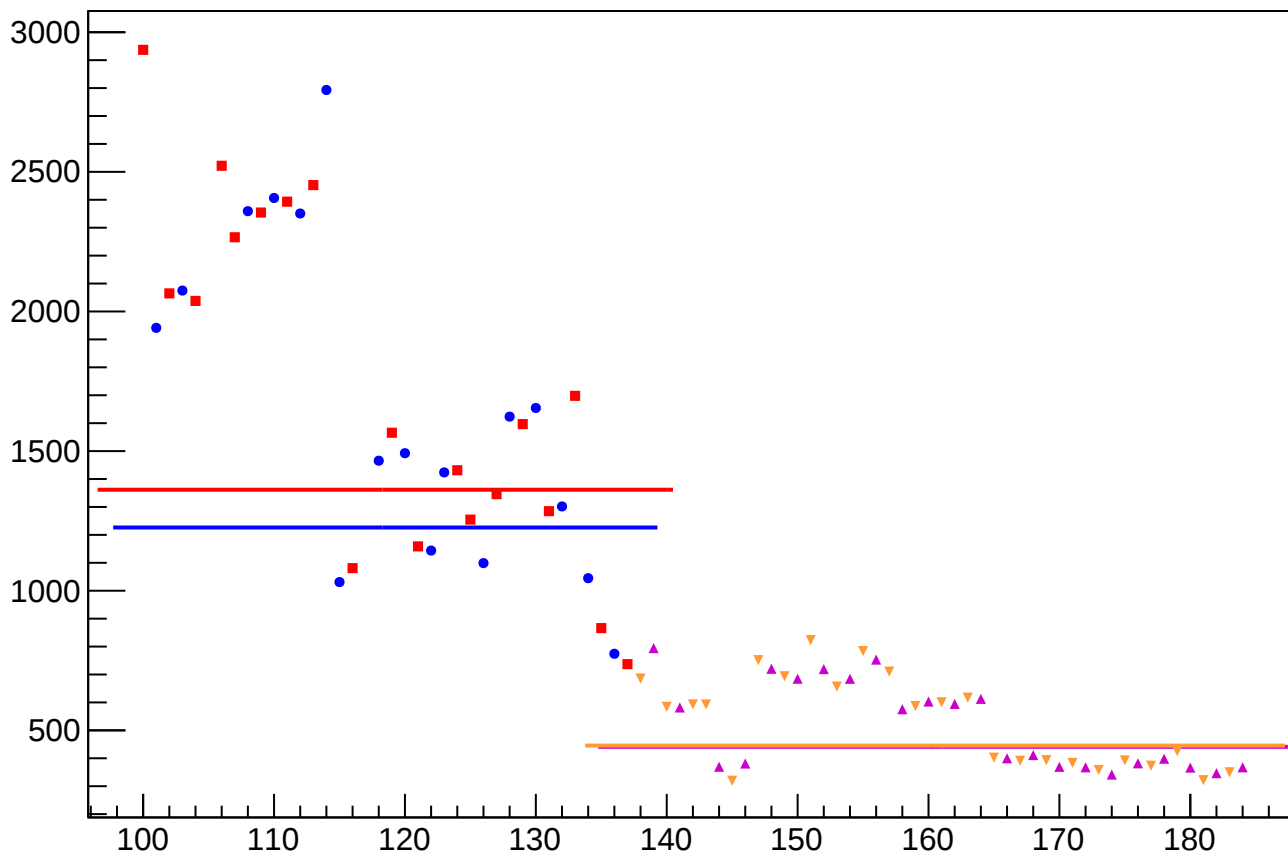
Right: -318.444+/-374.282 χ^2/NDF : 33.1/35

In: -81.389+/-107.795 χ^2/NDF : 54.2/39

Out: -309.577+/-107.781 χ^2/NDF : 65.4/42

All: -195.498+/-76.218 χ^2/NDF : 121.9/82

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.408+/-0.363 χ^2/NDF : 1754373.1/16

Left Out: 445.501+/-0.078 χ^2/NDF : 3053232.1/23

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: 443.261+/-0.055 χ^2/NDF : 5651914.8/46

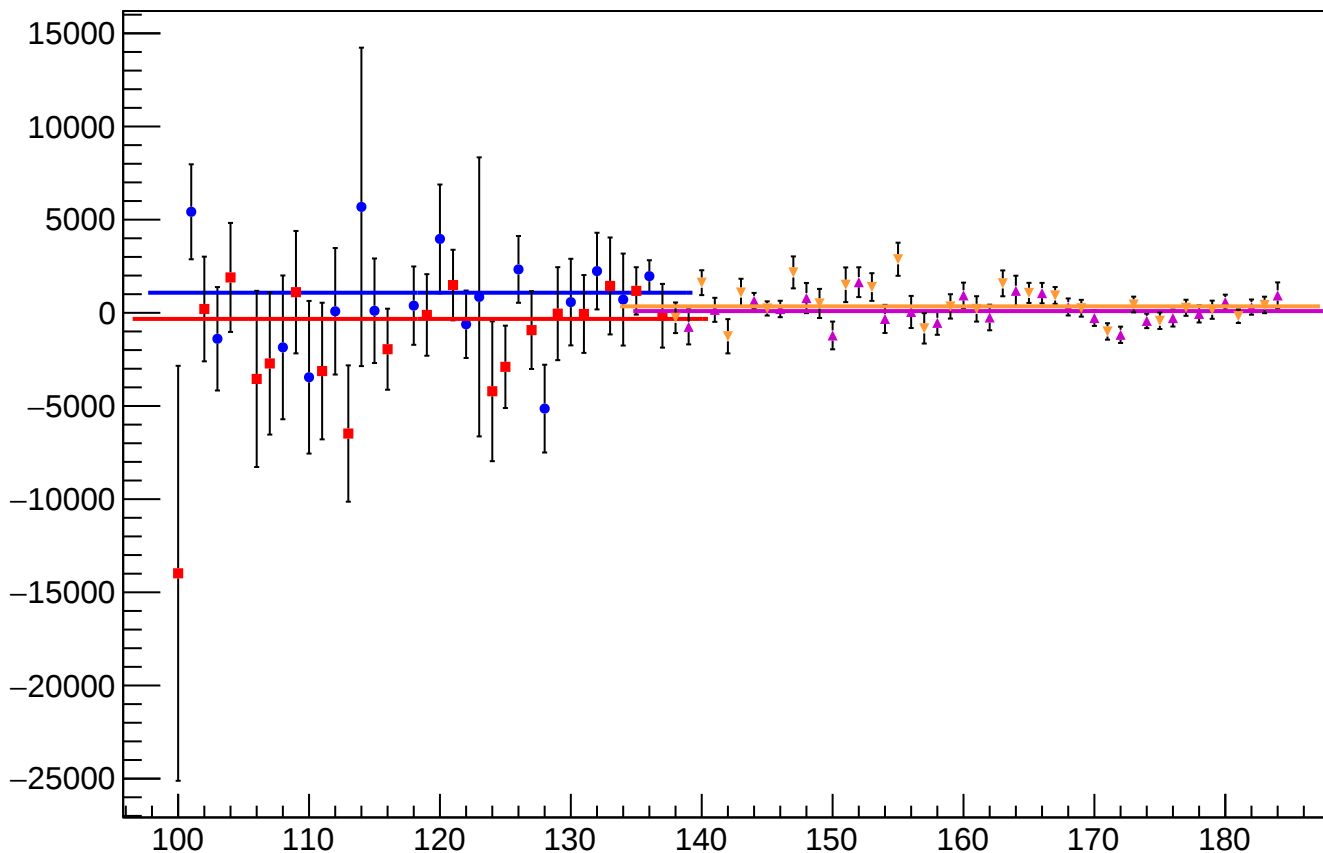
Right: 1289.793+/-0.265 χ^2/NDF : 3568949.4/35

In: 475.631+/-0.076 χ^2/NDF : 8825405.8/39

Out: 481.099+/-0.076 χ^2/NDF : 10199663.7/42

All: 478.365+/-0.054 χ^2/NDF : 19027642.8/82

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1078.872 $\pm$ 516.347 χ^2 /NDF: 16.9/16

Left Out: 347.082 $\pm$ 111.603 χ^2 /NDF: 48.1/23

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: 220.601 $\pm$ 79.041 χ^2 /NDF: 84.0/46

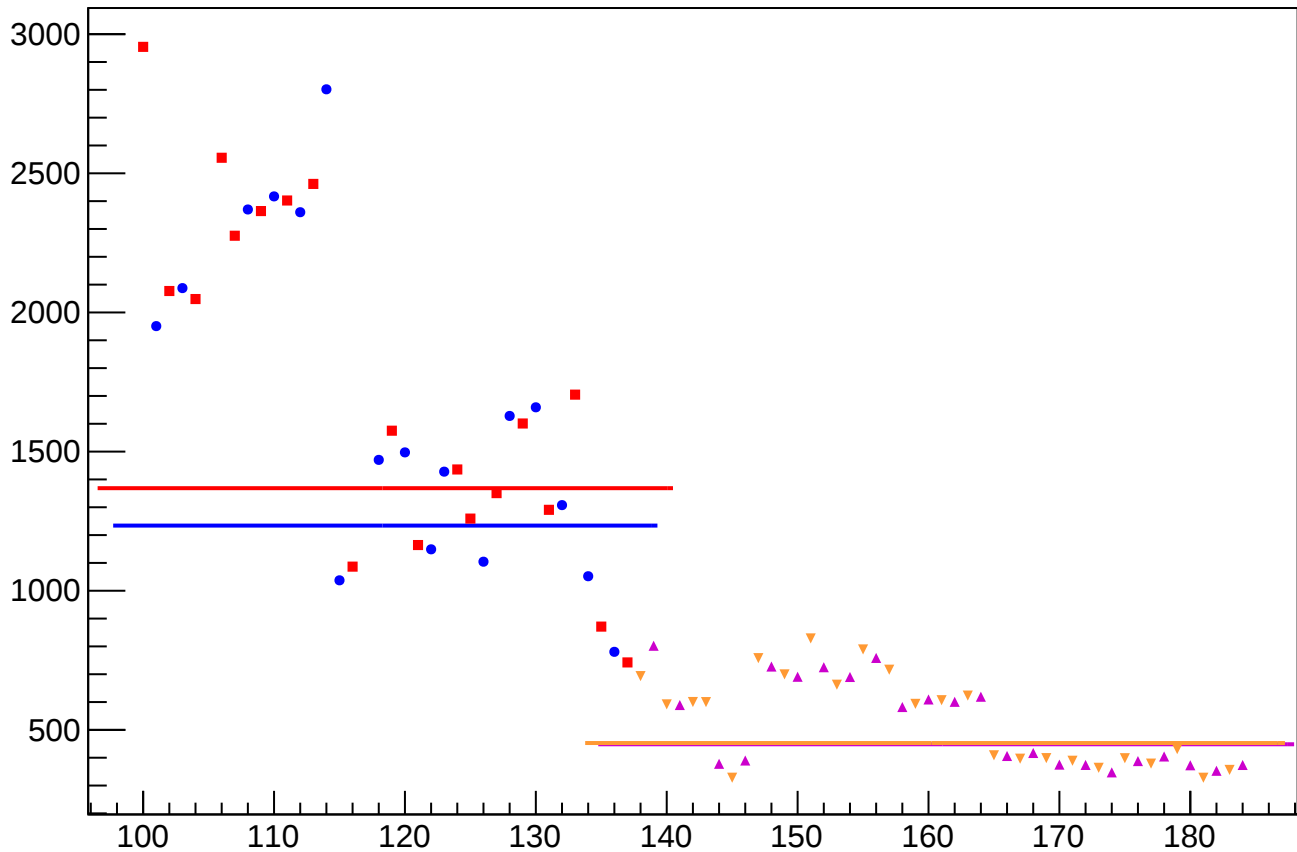
Right: 419.768 $\pm$ 376.327 χ^2 /NDF: 32.8/35

In: 137.566 $\pm$ 109.417 χ^2 /NDF: 53.7/39

Out: 320.389 $\pm$ 109.371 χ^2 /NDF: 62.0/42

All: 229.016 $\pm$ 77.353 χ^2 /NDF: 117.1/82

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1234.132 $\pm$ 0.365 χ^2/NDF : 1741964.9/16

Left Out: 452.806 $\pm$ 0.079 χ^2/NDF : 2977907.4/23

Right Out: 1368.544 $\pm$ 0.389 χ^2/NDF : 1745009.6/18

Left In: 448.307 $\pm$ 0.079 χ^2/NDF : 2537376.0/22

Left: 450.564 $\pm$ 0.056 χ^2/NDF : 5516903.5/46

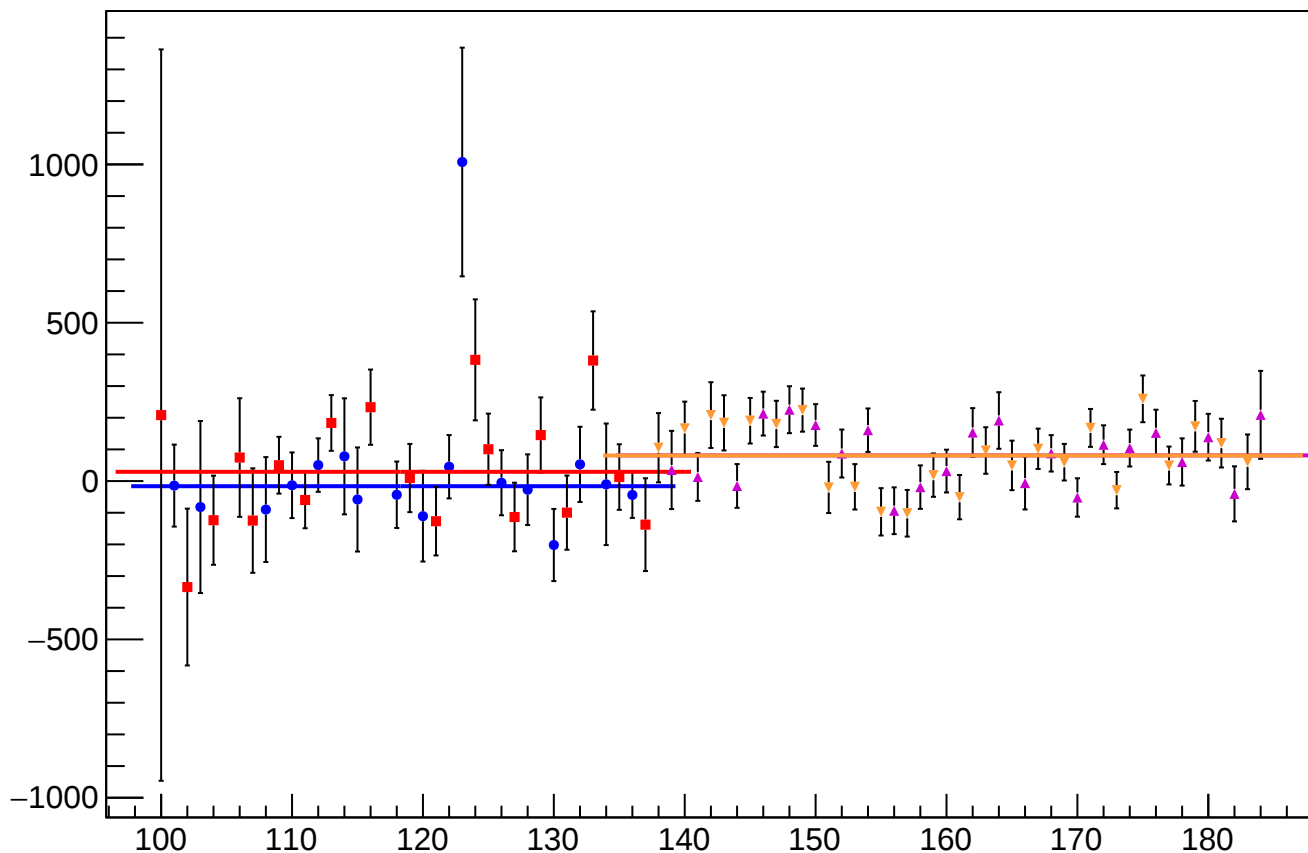
Right: 1297.146 $\pm$ 0.266 χ^2/NDF : 3550510.7/35

In: 483.594 $\pm$ 0.077 χ^2/NDF : 8703660.2/39

Out: 489.068 $\pm$ 0.077 χ^2/NDF : 10054976.8/42

All: 486.332 $\pm$ 0.055 χ^2/NDF : 18761140.8/82

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -16.204 ± 28.906 χ^2/NDF : 13.3/16

Left Out: 80.807 ± 14.791 χ^2/NDF : 46.2/23

Right Out: 29.279 ± 28.050 χ^2/NDF : 27.6/18

Left In: 81.156 ± 15.105 χ^2/NDF : 35.3/22

Left: 80.978 ± 10.568 χ^2/NDF : 81.5/46

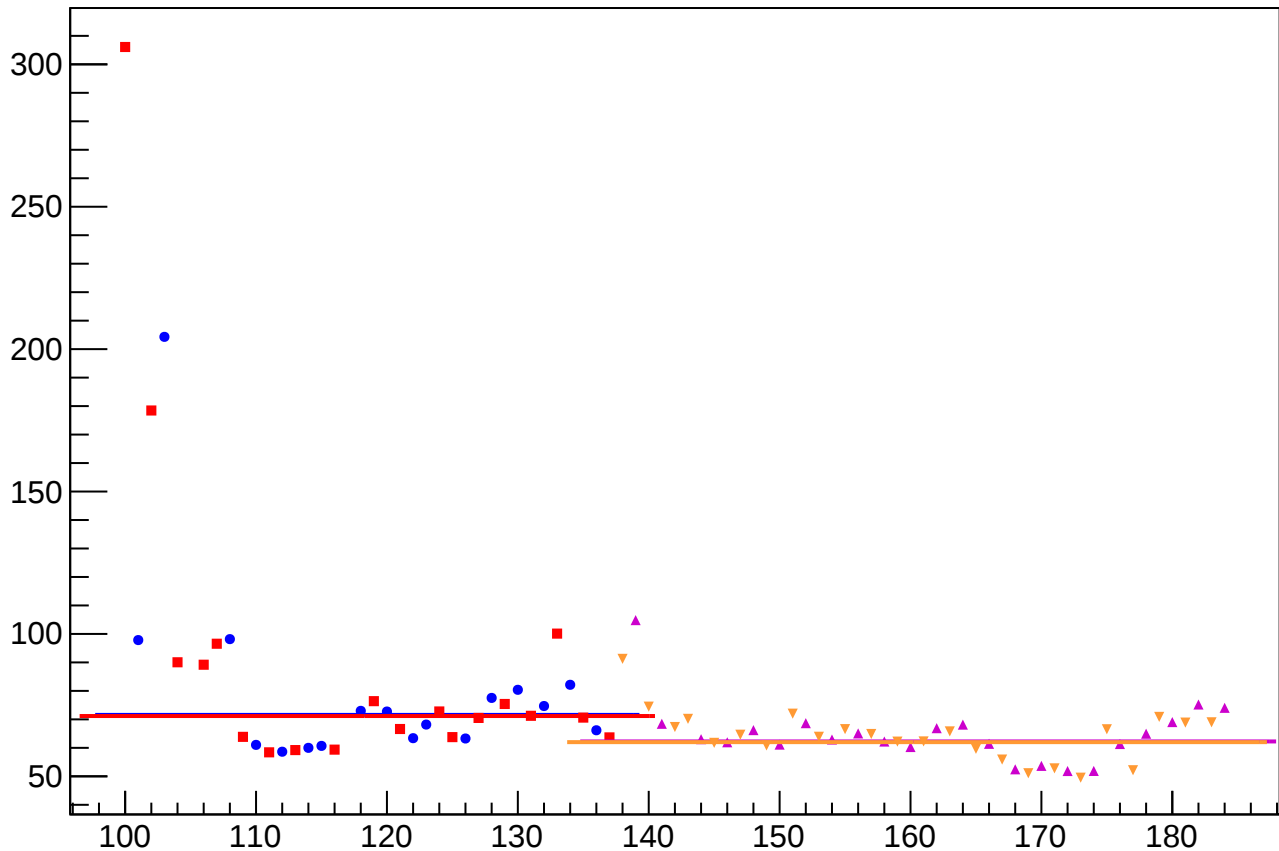
Right: 7.221 ± 20.130 χ^2/NDF : 42.2/35

In: 60.272 ± 13.388 χ^2/NDF : 57.5/39

Out: 69.596 ± 13.083 χ^2/NDF : 76.5/42

All: 65.042 ± 9.357 χ^2/NDF : 134.2/82

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: 62.007 $\pm$ 0.010 χ^2 /NDF: 608856.3/23

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: 62.126 $\pm$ 0.007 χ^2 /NDF: 1200206.3/46

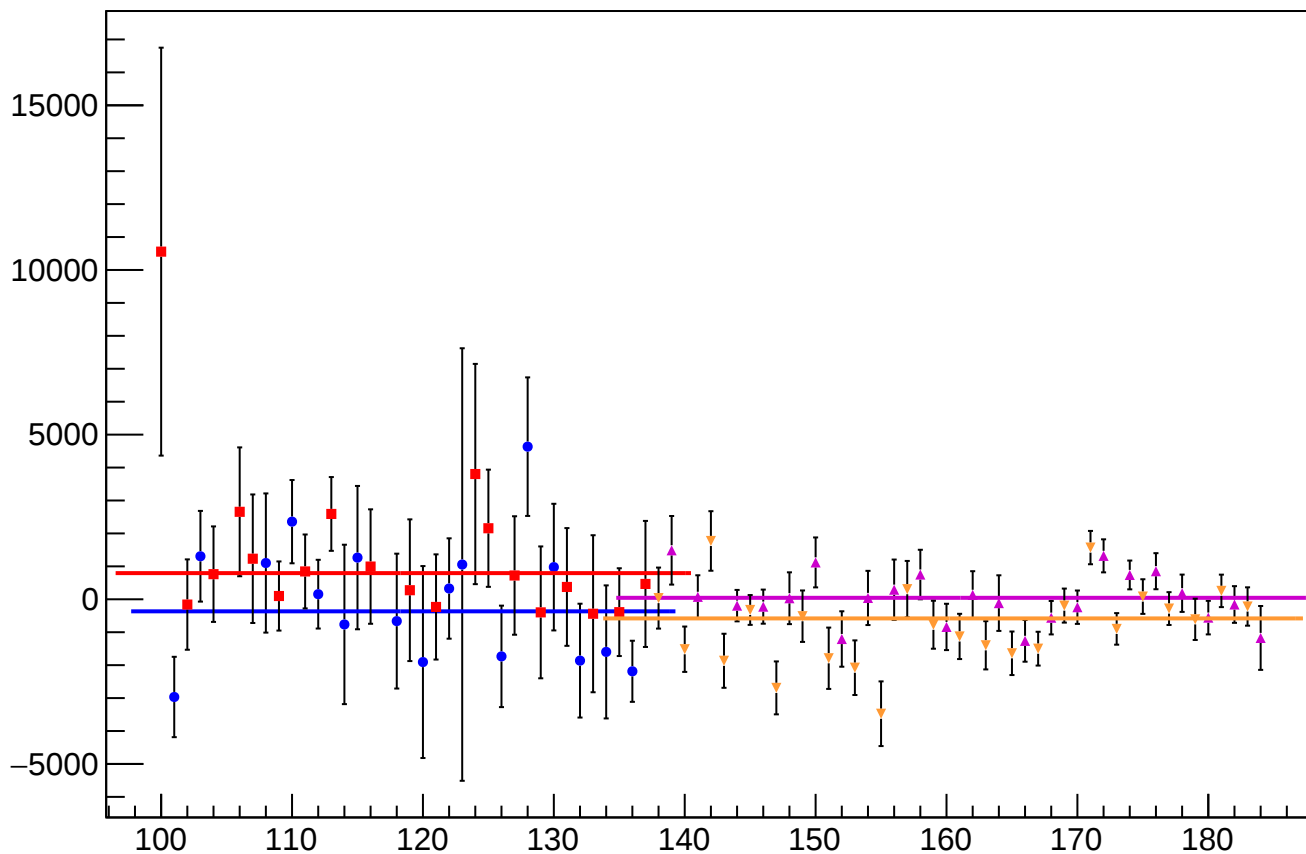
Right: 71.364 $\pm$ 0.014 χ^2 /NDF: 1524061.4/35

In: 64.248 $\pm$ 0.009 χ^2 /NDF: 1513023.4/39

Out: 64.001 $\pm$ 0.009 χ^2 /NDF: 1541100.4/42

All: 64.122 $\pm$ 0.007 χ^2 /NDF: 3054473.8/82

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -365.739 ± 382.977 χ^2/NDF : 24.4/16

Left Out: -580.744 ± 128.813 χ^2/NDF : 65.4/23

Right Out: 794.732 ± 370.548 χ^2/NDF : 10.3/18

Left In: 44.578 ± 129.095 χ^2/NDF : 29.6/22

Left: -268.766 ± 91.184 χ^2/NDF : 106.8/46

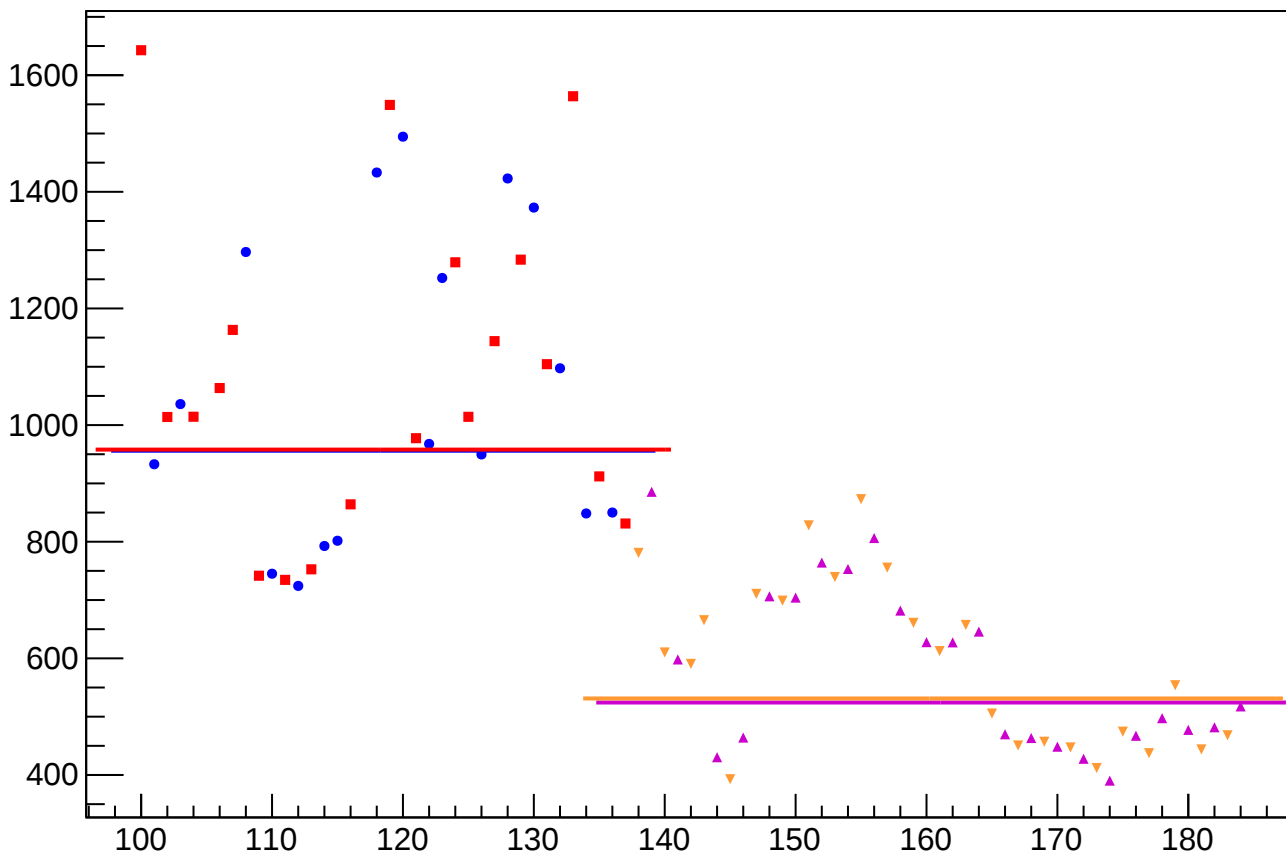
Right: 233.634 ± 266.303 χ^2/NDF : 39.5/35

In: 2.713 ± 122.332 χ^2/NDF : 55.0/39

Out: -432.445 ± 121.671 χ^2/NDF : 88.1/42

All: -216.045 ± 86.267 χ^2/NDF : 149.4/82

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: 531.230 $\pm$ 0.091 χ^2 /NDF:1927358.9/23

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: 527.757 $\pm$ 0.064 χ^2 /NDF: 3646530.7/46

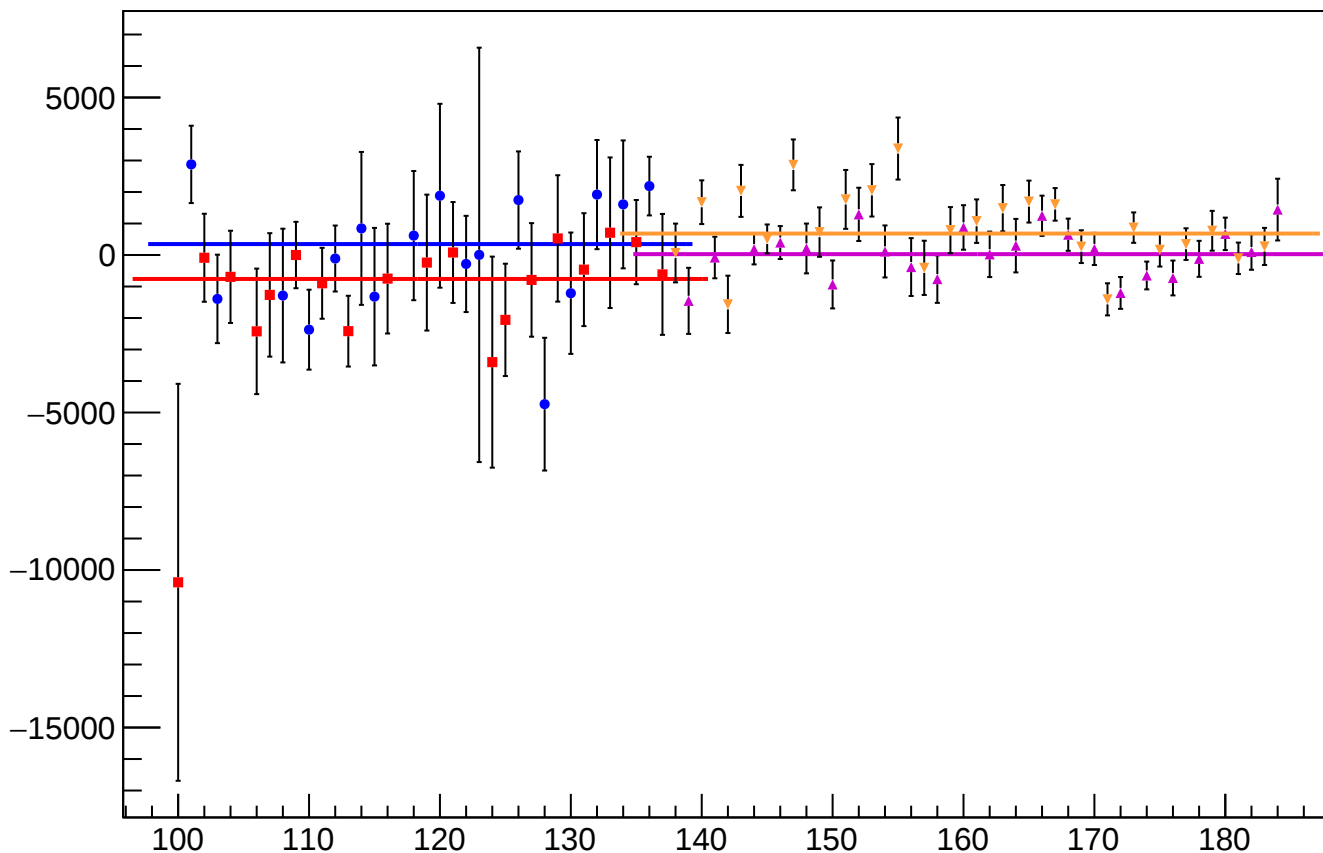
Right: 957.036 $\pm$ 0.188 χ^2 /NDF: 1347374.9/35

In: 568.323 $\pm$ 0.087 χ^2 /NDF:4650775.4/39

Out: 577.238 $\pm$ 0.086 χ^2 /NDF:4989488.8/42

All: 572.805 $\pm$ 0.061 χ^2 /NDF: 9645604.2/82

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 347.157 $\pm$ 384.717 χ^2 /NDF: 24.7/16

Left Out: 681.234 $\pm$ 129.809 χ^2 /NDF:60.9/23

Right Out: -760.420 $\pm$ 372.421 χ^2 /NDF: 9.1/18

Left In: 27.483 $\pm$ 130.127 χ^2 /NDF:28.5/22

Left: 355.157 $\pm$ 91.901 χ^2 /NDF: 102.0/46

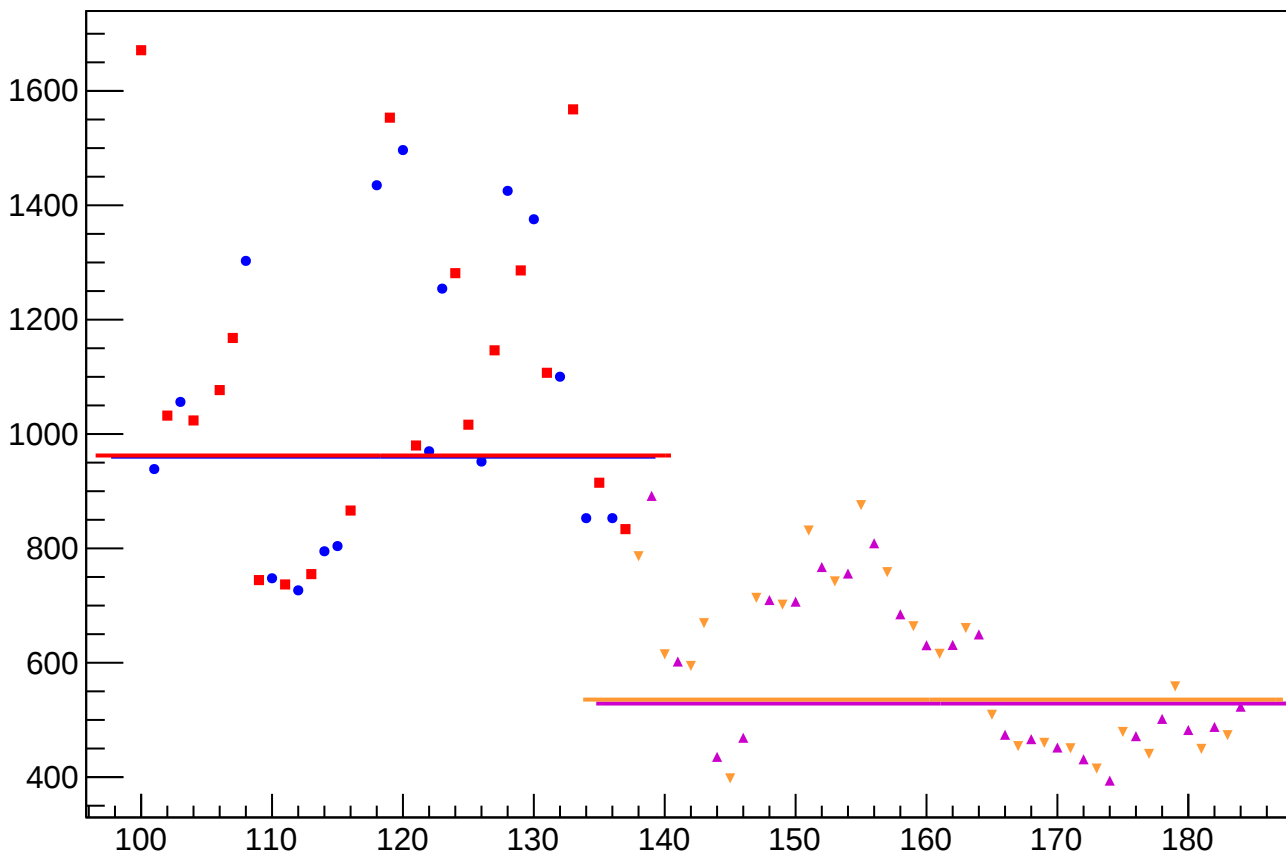
Right: -224.613 $\pm$ 267.583 χ^2 /NDF: 38.1/35

In: 60.301 $\pm$ 123.266 χ^2 /NDF:53.7/39

Out: 525.060 $\pm$ 122.577 χ^2 /NDF:83.4/42

All: 293.984 $\pm$ 86.918 χ^2 /NDF: 144.3/82

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 960.401 $\pm$ 0.272 χ^2 /NDF: 651758.1/16

Left Out: 535.590 $\pm$ 0.092 χ^2 /NDF:1895053.0/23

Right Out: 962.436 $\pm$ 0.263 χ^2 /NDF: 698312.5/18

Left In: 528.694 $\pm$ 0.092 χ^2 /NDF:1688511.2/22

Left: 532.150 $\pm$ 0.065 χ^2 /NDF: 3586379.2/46

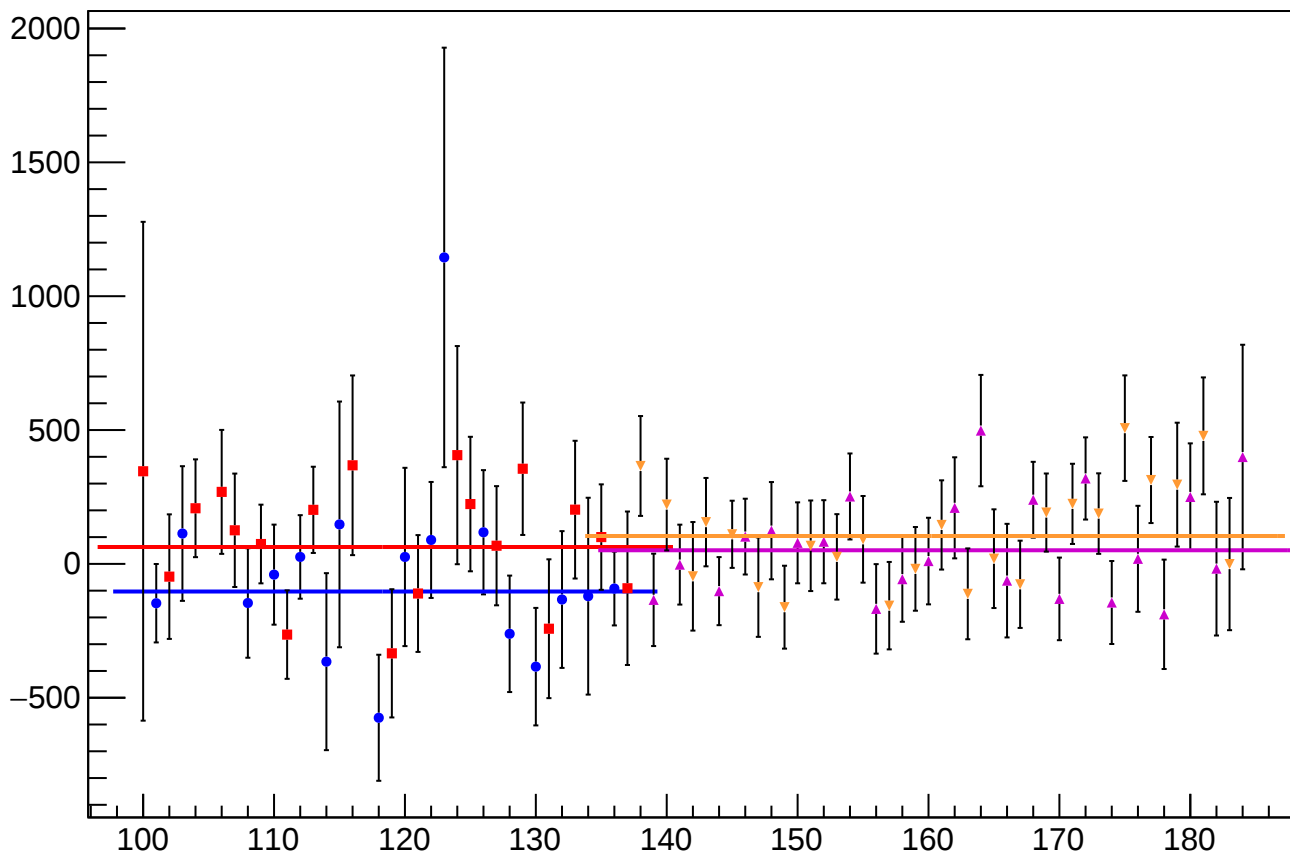
Right: 961.451 $\pm$ 0.189 χ^2 /NDF: 1350099.5/35

In: 573.014 $\pm$ 0.087 χ^2 /NDF:4600130.4/39

Out: 581.830 $\pm$ 0.087 χ^2 /NDF:4936020.4/42

All: 577.446 $\pm$ 0.061 χ^2 /NDF: 9541294.8/82

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: 104.168 ± 34.445 $\chi^2/\text{NDF}: 24.6/23$

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: 78.170 ± 24.646 $\chi^2/\text{NDF}: 49.3/46$

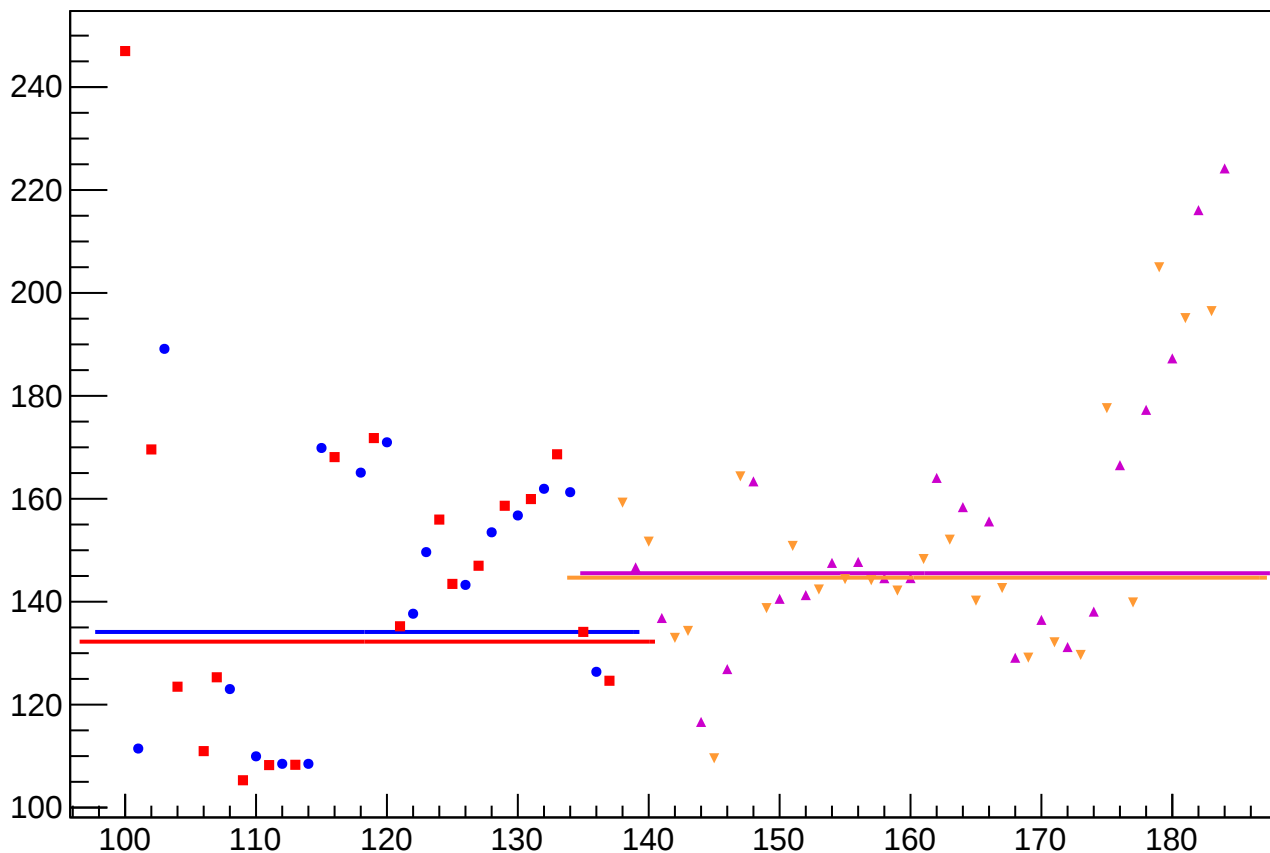
Right: -16.692 ± 36.727 $\chi^2/\text{NDF}: 33.5/35$

In: 3.614 ± 29.372 $\chi^2/\text{NDF}: 42.5/39$

Out: 91.271 ± 28.531 $\chi^2/\text{NDF}: 40.3/42$

All: 48.716 ± 20.465 $\chi^2/\text{NDF}: 87.4/82$

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.122+/-0.037 χ^2/NDF : 402473.7/16

Left Out: 144.672+/-0.024 χ^2/NDF :666593.7/23

Right Out: 132.239+/-0.036 χ^2/NDF : 443566.0/18

Left In: 145.535+/-0.025 χ^2/NDF :643529.3/22

Left: 145.093+/-0.017 χ^2/NDF : 1310734.7/46

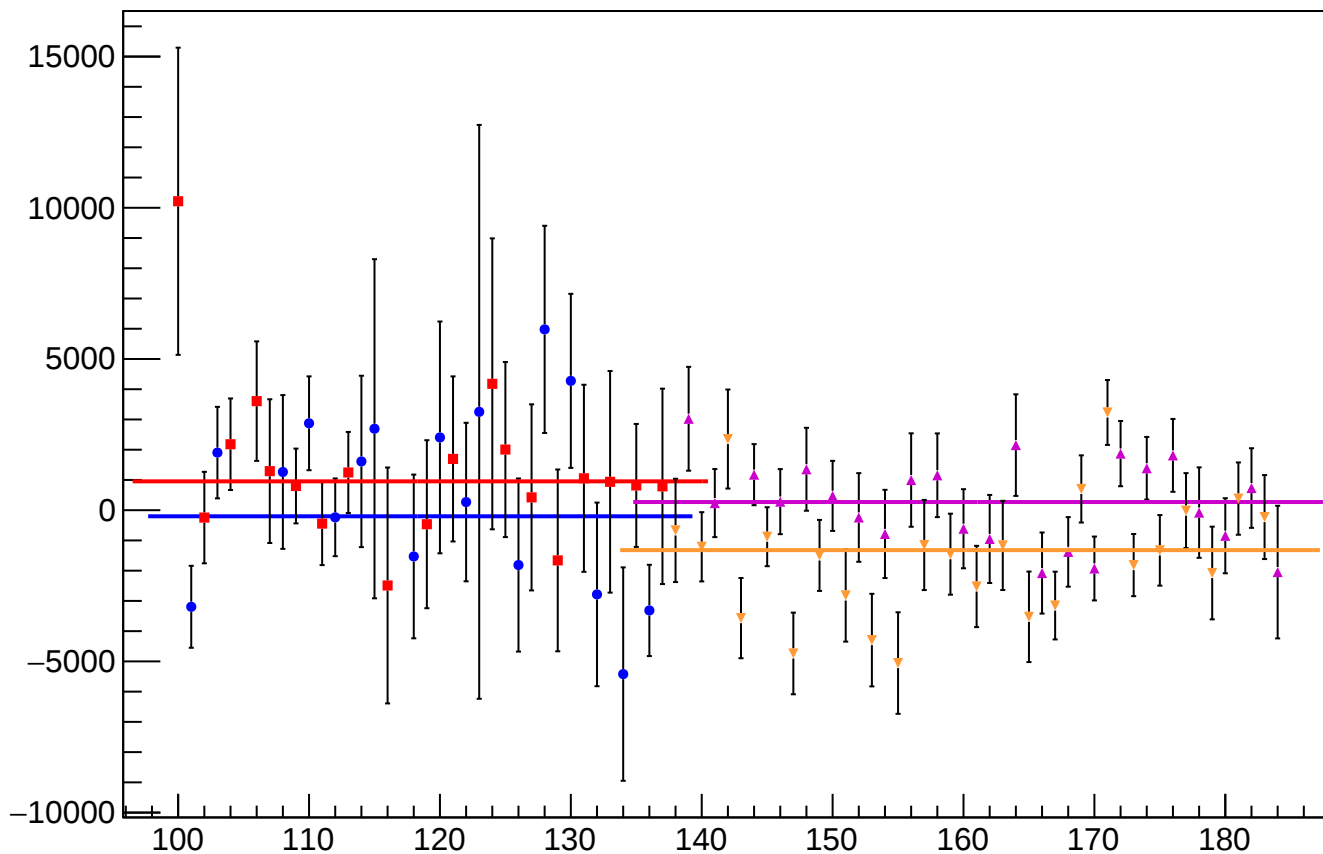
Right: 133.143+/-0.026 χ^2/NDF : 847351.7/35

In: 142.033+/-0.021 χ^2/NDF :1110226.7/39

Out: 140.769+/-0.020 χ^2/NDF :1191959.1/42

All: 141.383+/-0.014 χ^2/NDF : 2304089.0/82

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: -1320.532 $\pm$ 262.589 χ^2 /NDF:55.6/23

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: -536.287 $\pm$ 186.958 χ^2 /NDF: 98.0/46

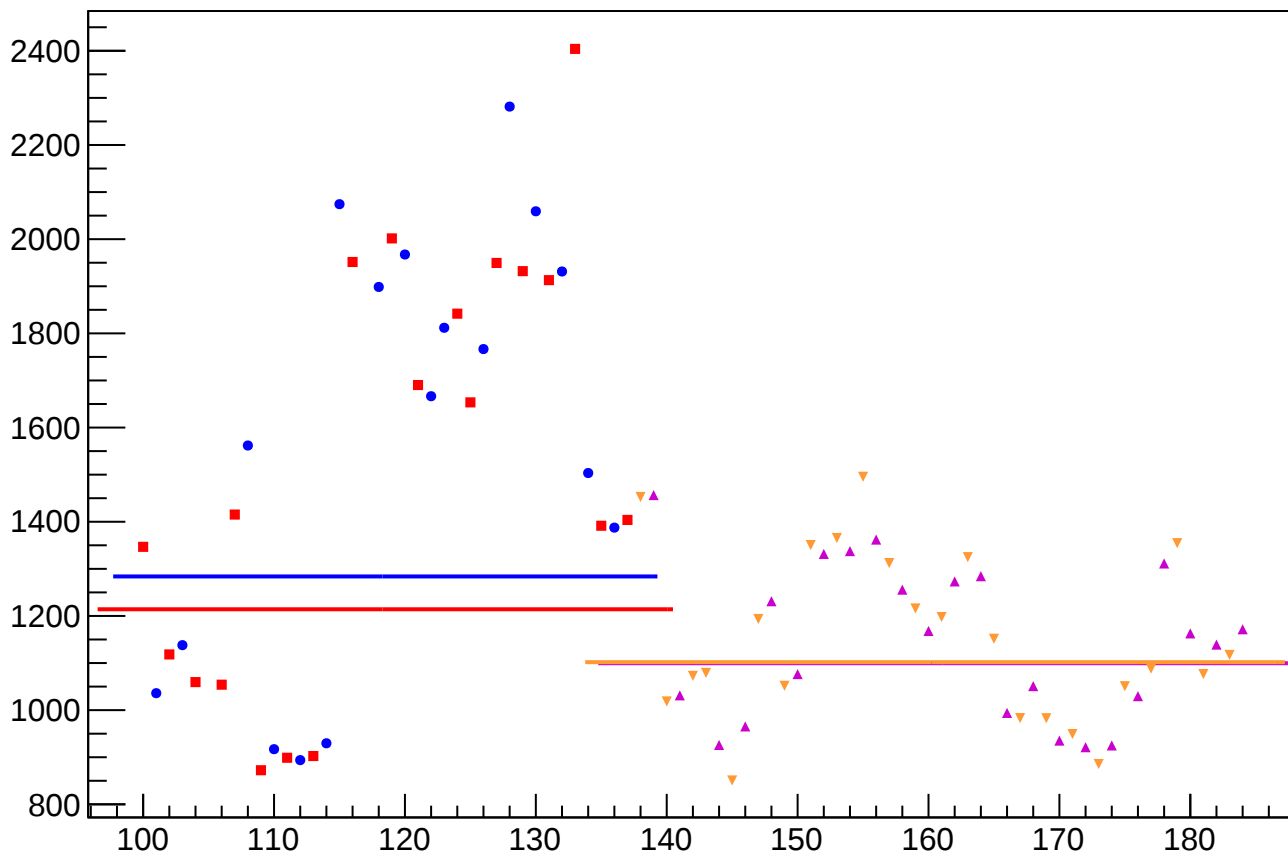
Right: 425.670 $\pm$ 354.851 χ^2 /NDF: 38.4/35

In: 173.424 $\pm$ 237.445 χ^2 /NDF:50.7/39

Out: -799.300 $\pm$ 230.543 χ^2 /NDF:82.8/42

All: -327.280 $\pm$ 165.405 χ^2 /NDF: 142.2/82

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.882 $\pm$ 0.371 χ^2 /NDF: 1171665.2/16

Left Out: 1101.865 $\pm$ 0.186 χ^2 /NDF: 810506.4/23

Right Out: 1214.162 $\pm$ 0.341 χ^2 /NDF: 1360853.5/18

Left In: 1099.585 $\pm$ 0.188 χ^2 /NDF: 679896.1/22

Left: 1100.741 $\pm$ 0.132 χ^2 /NDF: 1490476.8/46

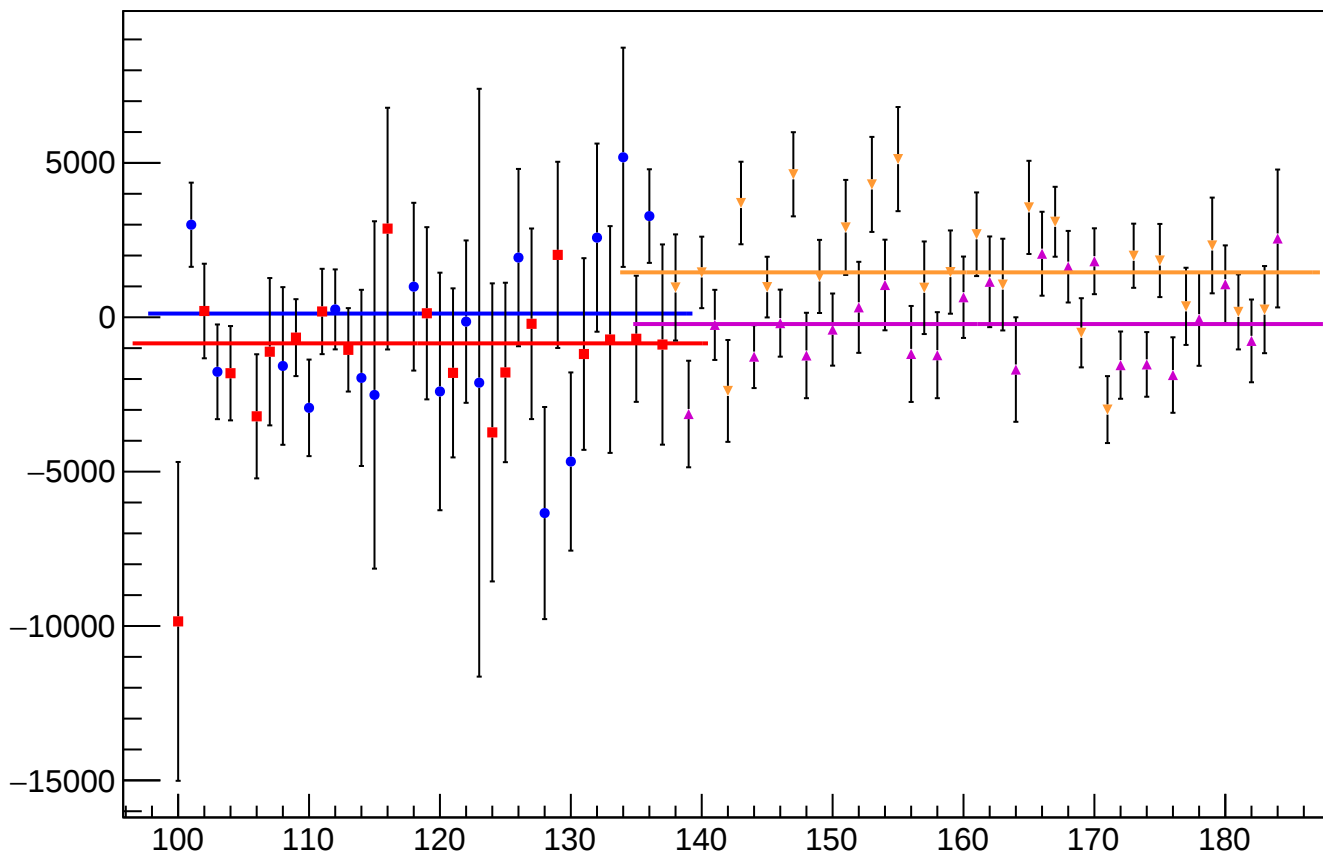
Right: 1246.027 $\pm$ 0.251 χ^2 /NDF: 2551678.0/35

In: 1137.300 $\pm$ 0.168 χ^2 /NDF: 2047669.9/39

Out: 1127.601 $\pm$ 0.163 χ^2 /NDF: 2255188.0/42

All: 1132.307 $\pm$ 0.117 χ^2 /NDF: 4304575.6/82

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 120.212 $\pm$ 528.305 χ^2 /NDF: 25.3/16

Left Out: 1454.986 $\pm$ 265.125 χ^2 /NDF: 51.3/23

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: 629.483 $\pm$ 188.776 χ^2 /NDF: 95.9/46

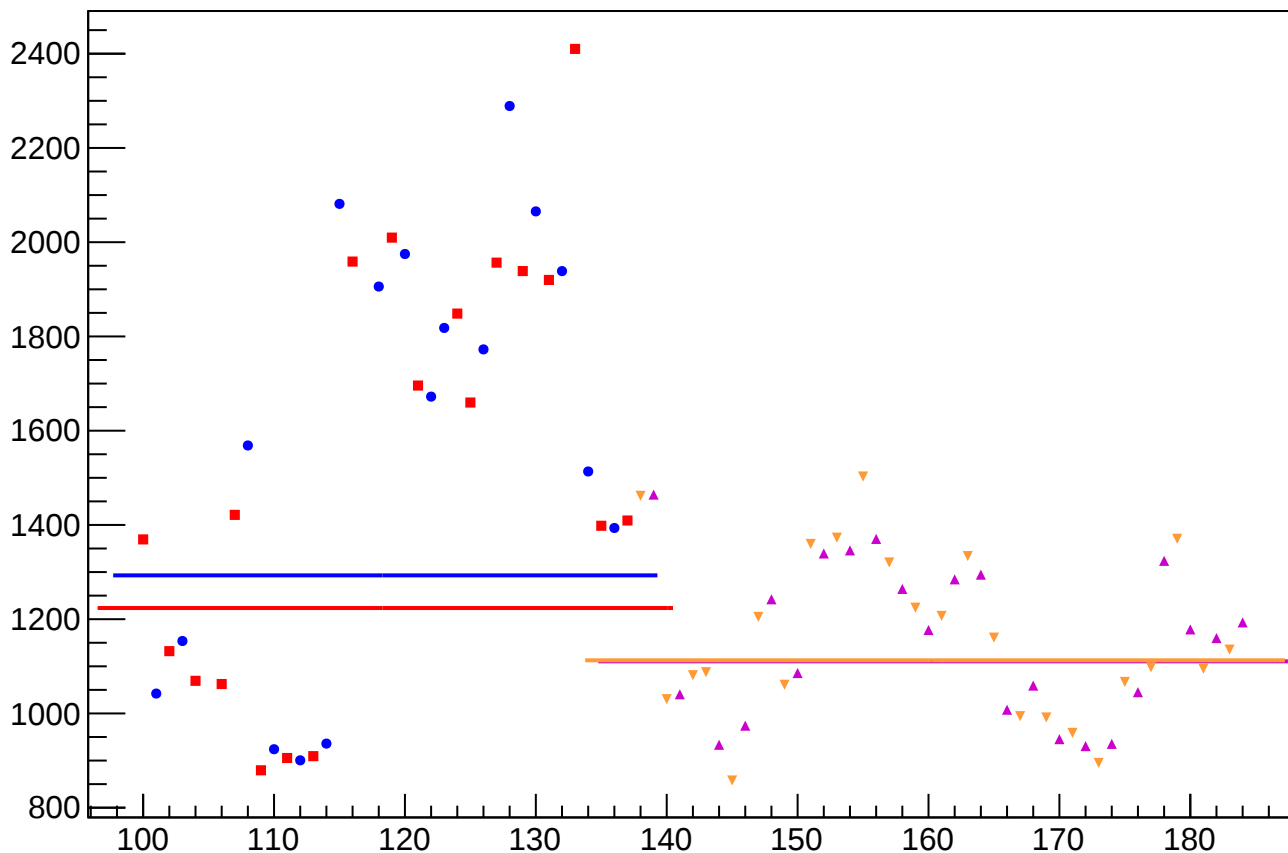
Right: -403.329 $\pm$ 357.382 χ^2 /NDF: 35.6/35

In: -149.535 $\pm$ 239.610 χ^2 /NDF: 50.6/39

Out: 926.254 $\pm$ 232.664 χ^2 /NDF: 77.1/42

All: 404.178 $\pm$ 166.920 χ^2 /NDF: 138.1/82

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.993 $\pm$ 0.374 χ^2 /NDF: 1158775.5/16

Left Out: 1112.747 $\pm$ 0.187 χ^2 /NDF: 798452.4/23

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: 1111.660 $\pm$ 0.133 χ^2 /NDF: 1468449.6/46

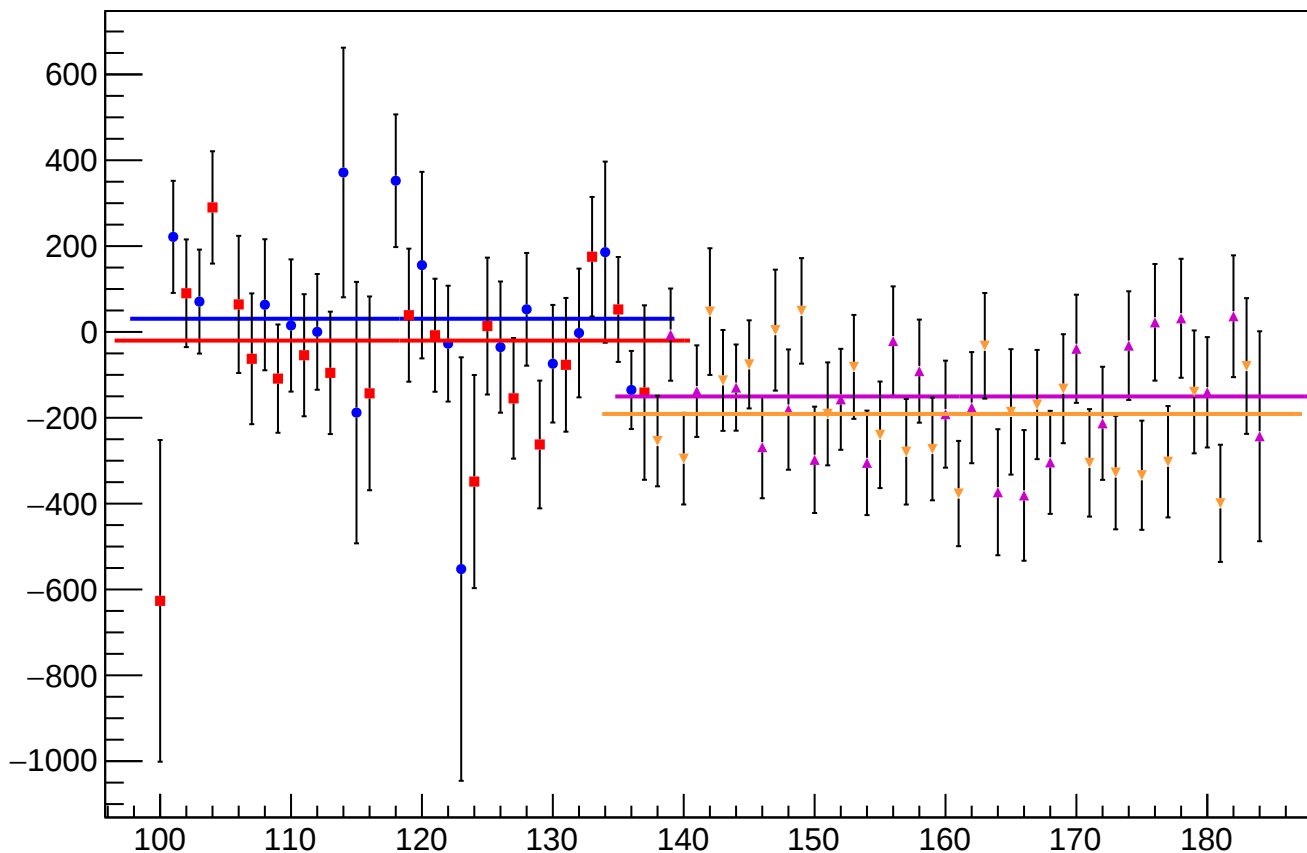
Right: 1255.416 $\pm$ 0.253 χ^2 /NDF: 2523237.8/35

In: 1148.073 $\pm$ 0.169 χ^2 /NDF: 2018173.4/39

Out: 1138.256 $\pm$ 0.165 χ^2 /NDF: 2224799.3/42

All: 1143.020 $\pm$ 0.118 χ^2 /NDF: 4244700.6/82

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: -191.084 ± 25.534 $\chi^2/\text{NDF}: 24.4/23$

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: -171.414 ± 18.369 $\chi^2/\text{NDF}: 46.3/46$

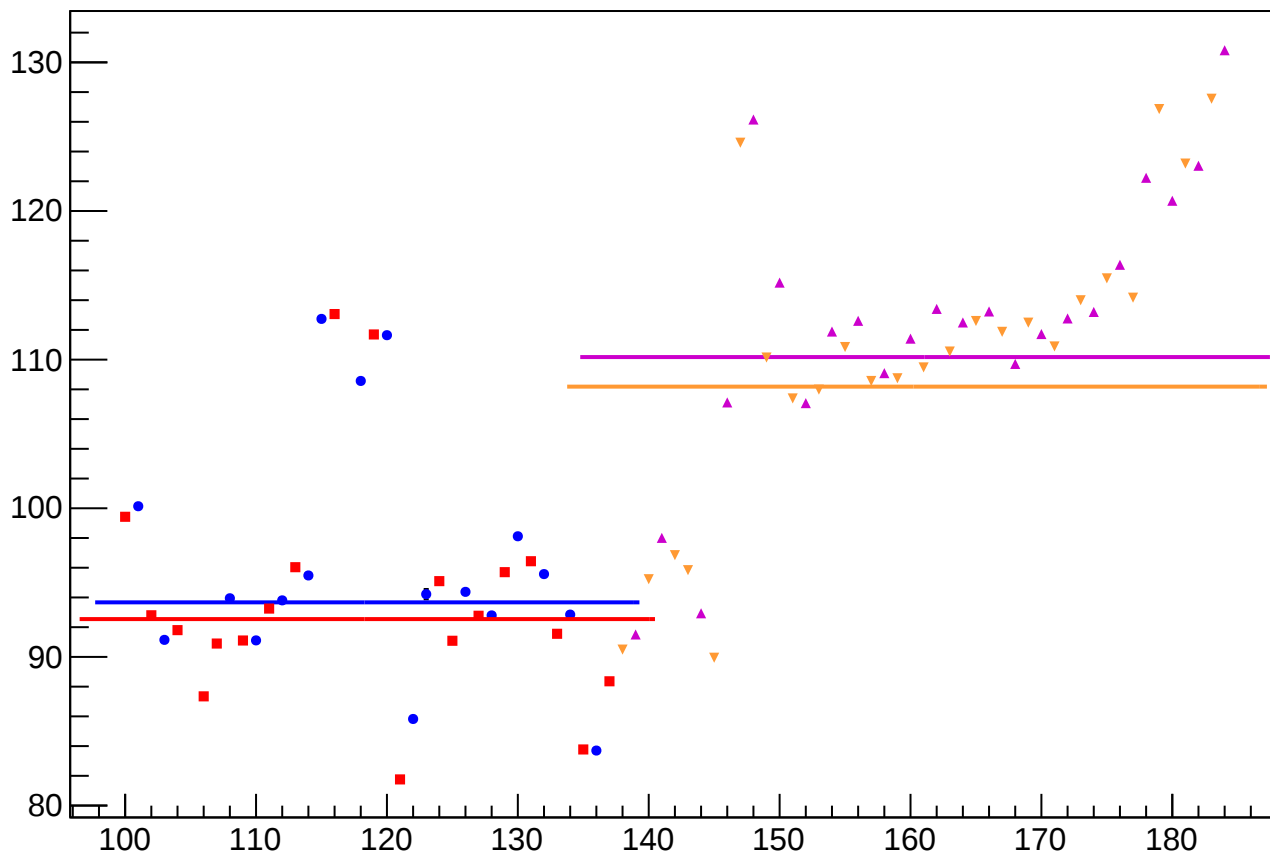
Right: 4.129 ± 25.156 $\chi^2/\text{NDF}: 35.0/35$

In: -87.849 ± 21.402 $\chi^2/\text{NDF}: 52.1/39$

Out: -131.194 ± 20.581 $\chi^2/\text{NDF}: 58.9/42$

All: -110.369 ± 14.835 $\chi^2/\text{NDF}: 113.1/82$

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: 108.184 $\pm$ 0.018 χ^2 /NDF: 321956.9/23

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: 109.144 $\pm$ 0.013 χ^2 /NDF: 574781.6/46

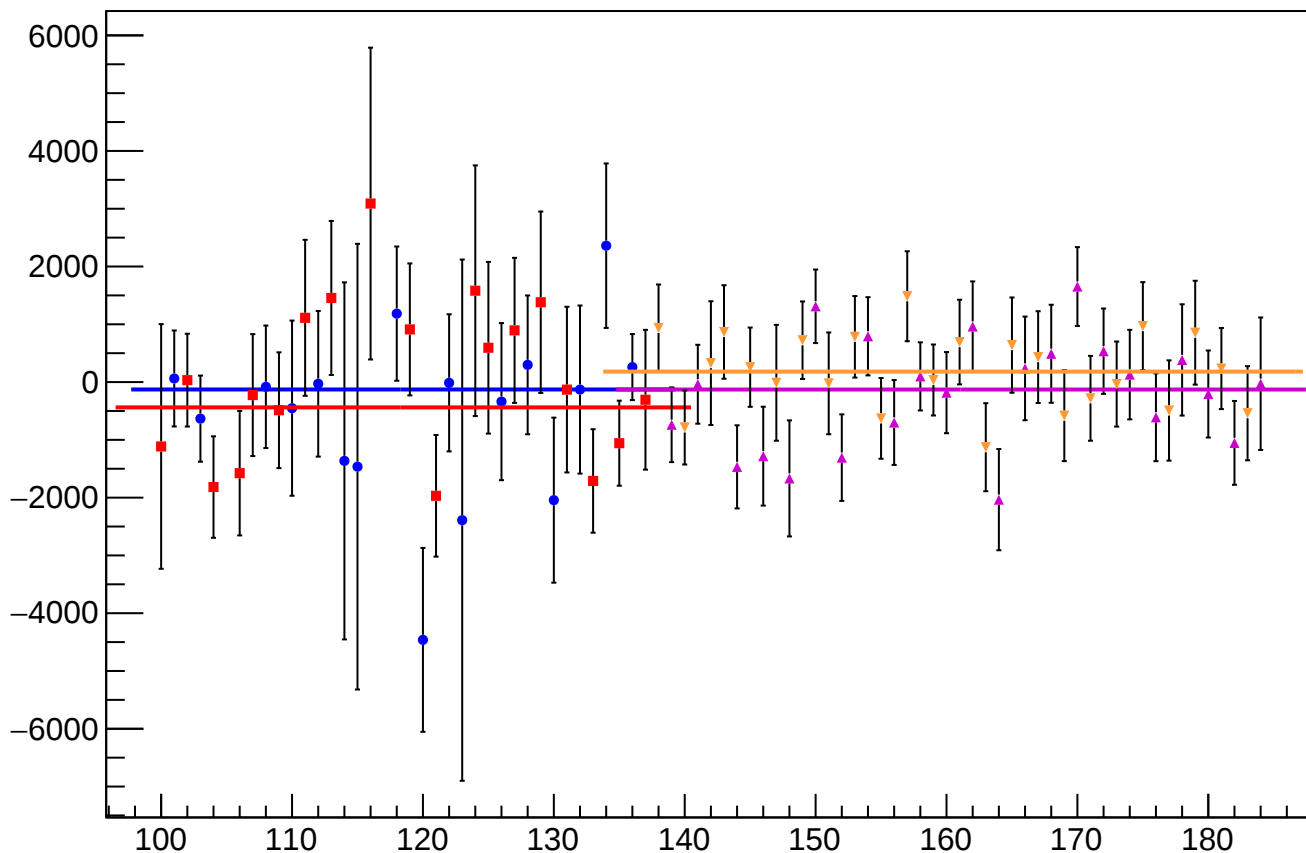
Right: 93.081 $\pm$ 0.018 χ^2 /NDF: 159742.9/35

In: 104.480 $\pm$ 0.015 χ^2 /NDF: 595551.2/39

Out: 102.706 $\pm$ 0.015 χ^2 /NDF: 663648.1/42

All: 103.558 $\pm$ 0.010 χ^2 /NDF: 1266337.1/82

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -127.998 ± 277.067 $\chi^2/\text{NDF}: 15.3/16$

Left Out: 181.173 ± 155.471 $\chi^2/\text{NDF}: 18.0/23$

Right Out: -438.094 ± 260.694 $\chi^2/\text{NDF}: 19.2/18$

Left In: -128.782 ± 157.155 $\chi^2/\text{NDF}: 36.2/22$

Left: 27.865 ± 110.525 $\chi^2/\text{NDF}: 56.2/46$

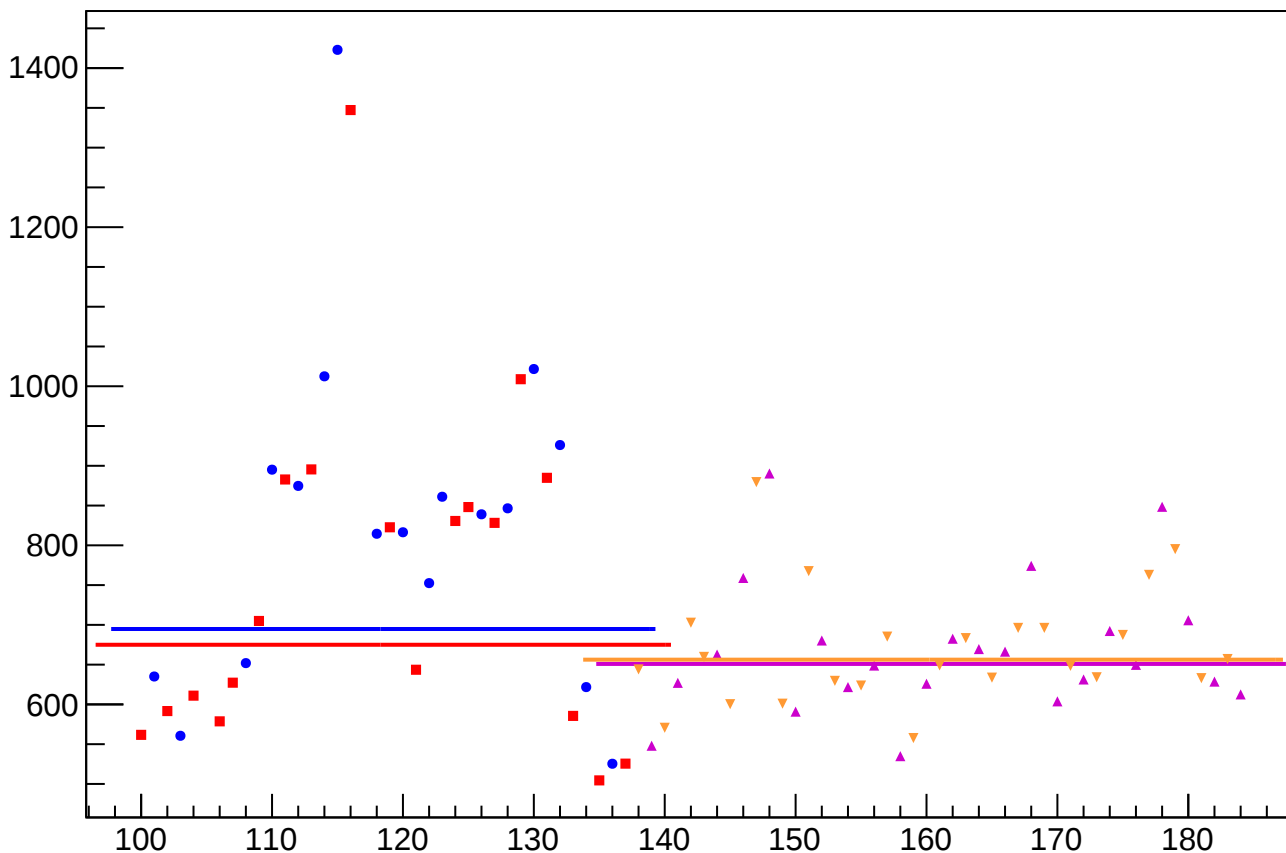
Right: -292.479 ± 189.863 $\chi^2/\text{NDF}: 35.2/35$

In: -128.591 ± 136.697 $\chi^2/\text{NDF}: 51.5/39$

Out: 18.706 ± 133.528 $\chi^2/\text{NDF}: 41.4/42$

All: -53.215 ± 95.519 $\chi^2/\text{NDF}: 93.5/82$

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 694.803+/-0.196 χ^2/NDF : 677838.4/16

Left Out: 656.252+/-0.110 χ^2/NDF : 359426.3/23

Right Out: 674.986+/-0.184 χ^2/NDF : 679698.0/18

Left In: 650.883+/-0.111 χ^2/NDF : 466116.8/22

Left: 653.596+/-0.078 χ^2/NDF : 826722.8/46

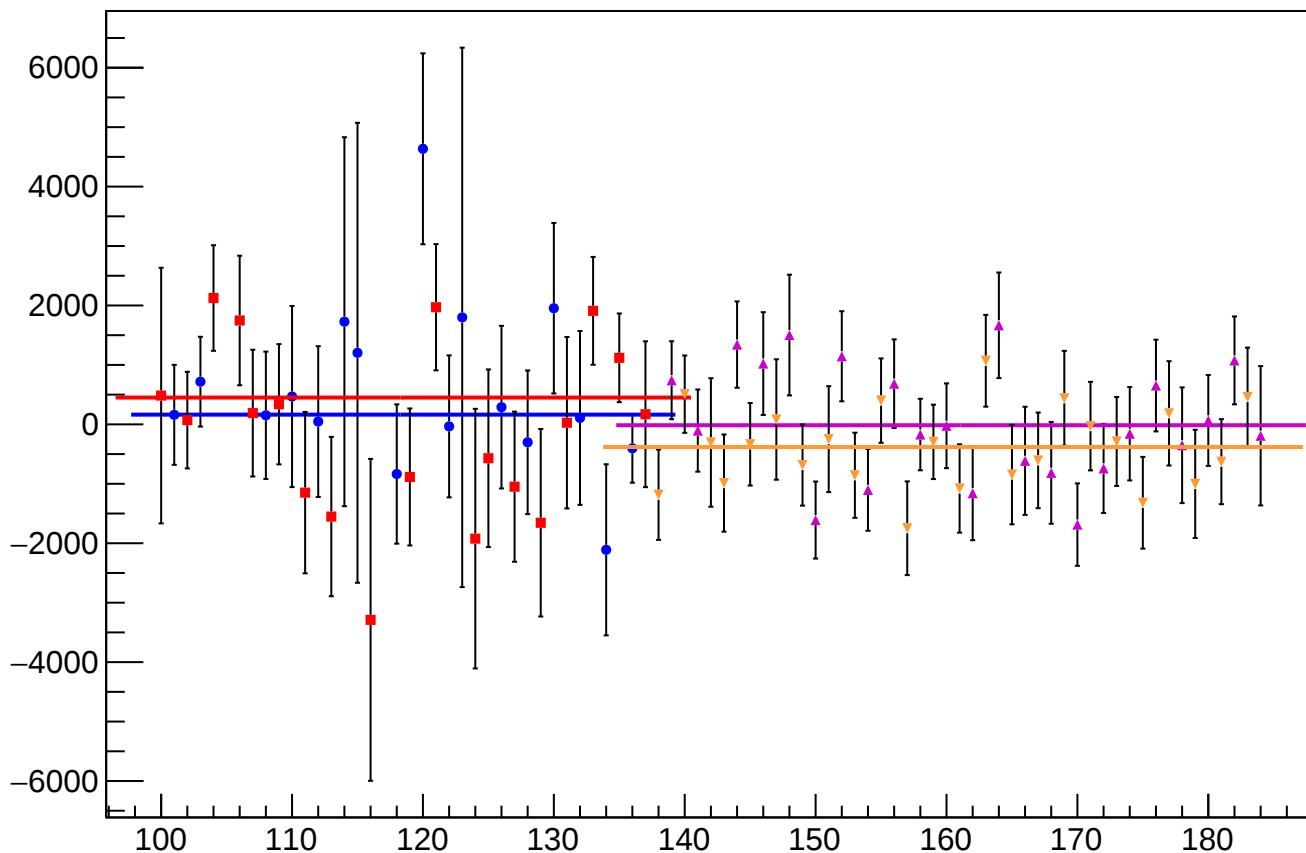
Right: 684.291+/-0.134 χ^2/NDF : 1362963.3/35

In: 661.574+/-0.097 χ^2/NDF : 1181977.0/39

Out: 661.167+/-0.094 χ^2/NDF : 1046743.0/42

All: 661.366+/-0.068 χ^2/NDF : 2228729.1/82

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 163.513 $\pm$ 279.836 χ^2 /NDF: 14.7/16

Left Out: -381.486 $\pm$ 157.687 χ^2 /NDF:18.2/23

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: -200.238 $\pm$ 112.142 χ^2 /NDF: 58.1/46

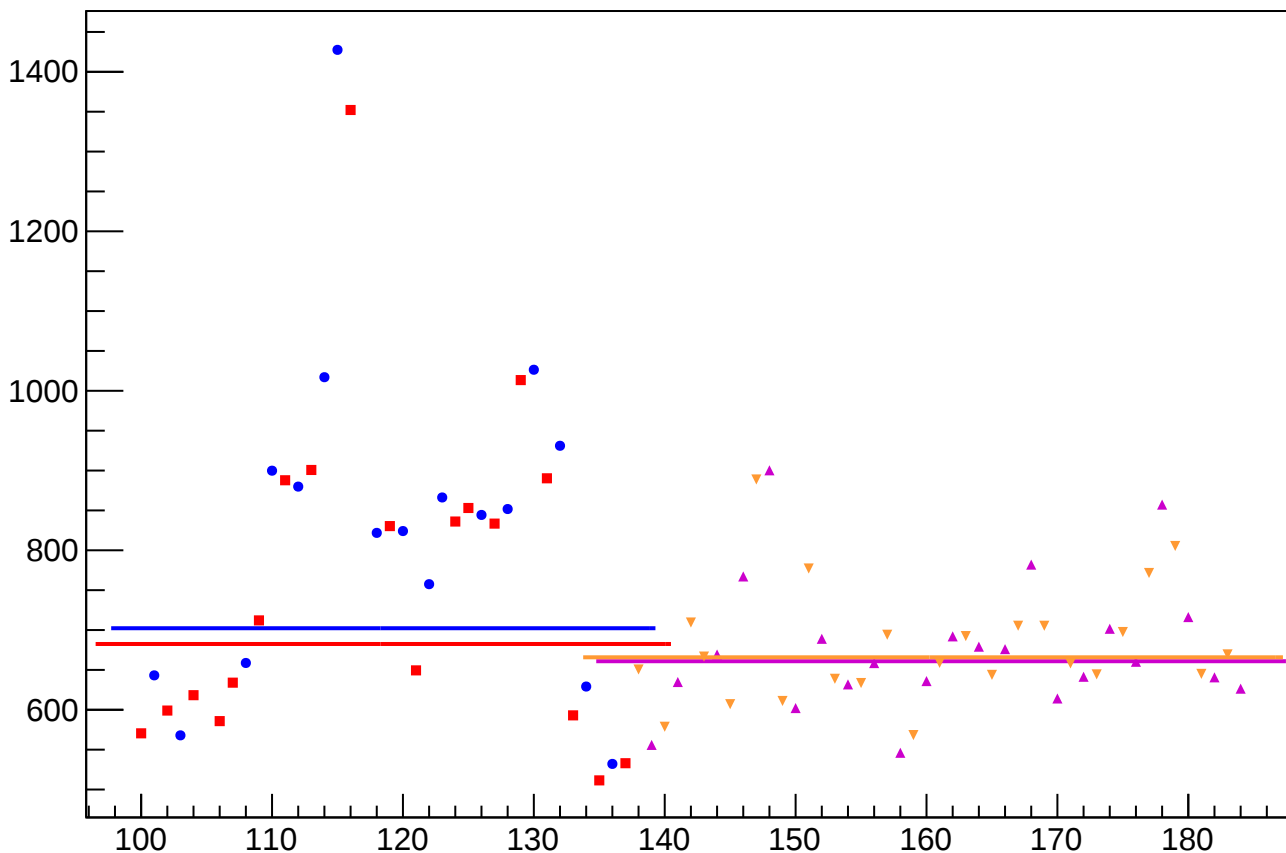
Right: 315.895 $\pm$ 191.794 χ^2 /NDF: 37.8/35

In: 28.954 $\pm$ 138.580 χ^2 /NDF:52.2/39

Out: -161.857 $\pm$ 135.294 χ^2 /NDF:48.1/42

All: -68.741 $\pm$ 96.808 χ^2 /NDF: 101.3/82

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.265 $\pm$ 0.198 χ^2 /NDF: 660691.4/16

Left Out: 665.802 $\pm$ 0.112 χ^2 /NDF: 350221.6/23

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: 663.374 $\pm$ 0.079 χ^2 /NDF: 800360.5/46

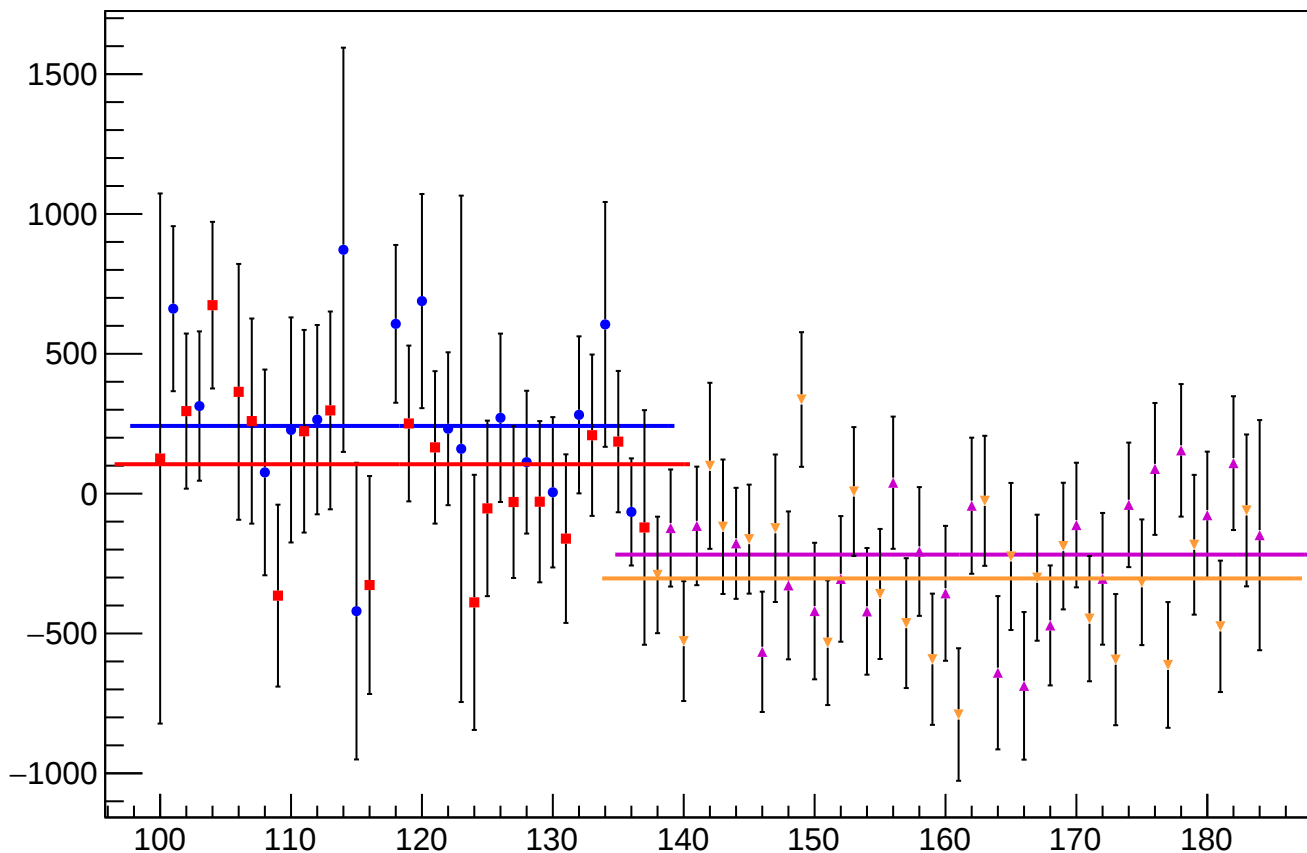
Right: 691.788 $\pm$ 0.136 χ^2 /NDF: 1328820.1/35

In: 671.037 $\pm$ 0.098 χ^2 /NDF: 1142871.0/39

Out: 670.209 $\pm$ 0.096 χ^2 /NDF: 1018984.1/42

All: 670.613 $\pm$ 0.068 χ^2 /NDF: 2161891.6/82

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 242.121+/-76.105 χ^2/NDF : 12.0/16

Left Out: -303.151+/-47.620 χ^2/NDF : 27.9/23

Right Out: 105.190+/-74.426 χ^2/NDF : 11.8/18

Left In: -217.964+/-48.819 χ^2/NDF : 21.3/22

Left: -261.617+/-34.088 χ^2/NDF : 50.8/46

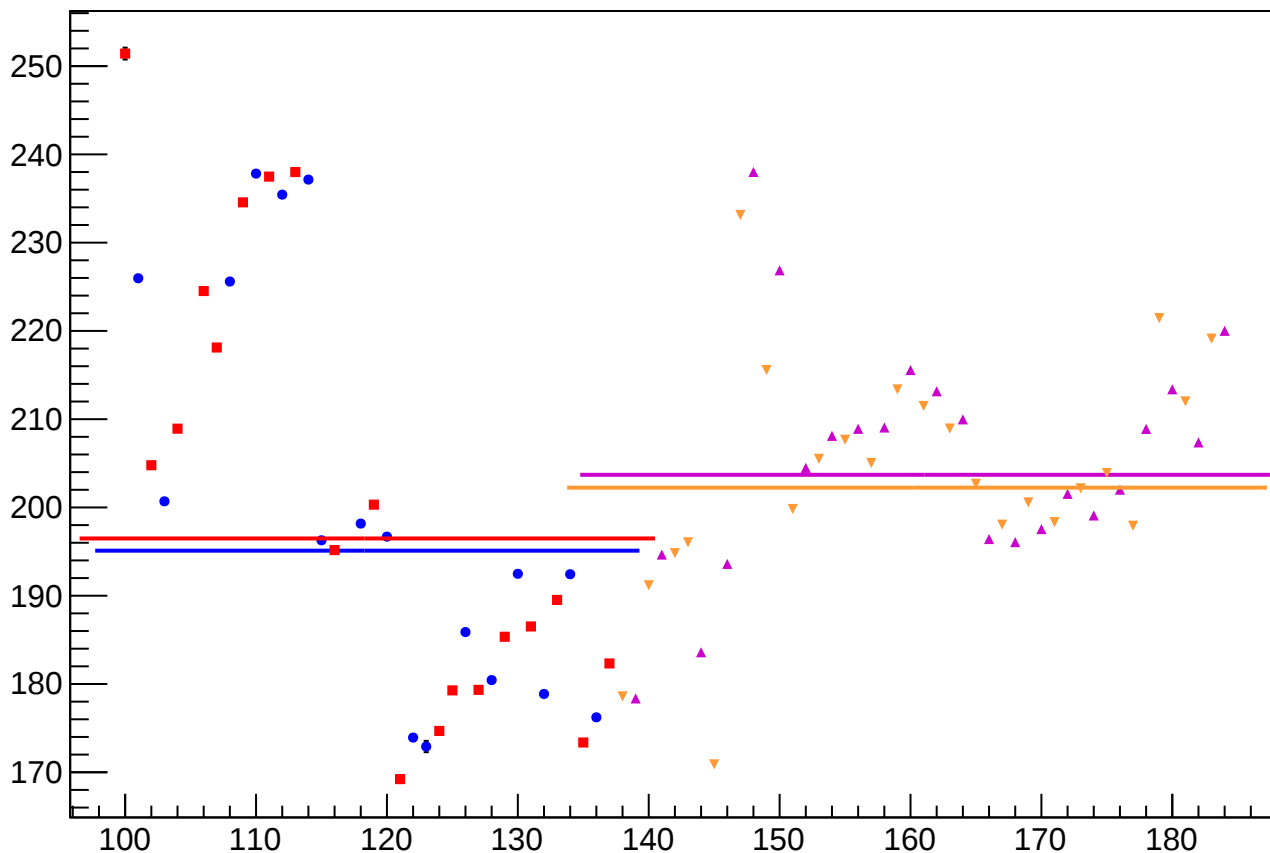
Right: 172.128+/-53.211 χ^2/NDF : 25.5/35

In: -83.839+/-41.091 χ^2/NDF : 59.2/39

Out: -184.543+/-40.112 χ^2/NDF : 61.1/42

All: -135.405+/-28.703 χ^2/NDF : 123.4/82

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 195.104 $\pm$ 0.054 χ^2 /NDF: 142538.2/16

Left Out: 202.245 $\pm$ 0.034 χ^2 /NDF:155515.7/23

Right Out: 196.488 $\pm$ 0.053 χ^2 /NDF: 171375.7/18

Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

Left: 202.954 $\pm$ 0.024 χ^2 /NDF: 292618.2/46

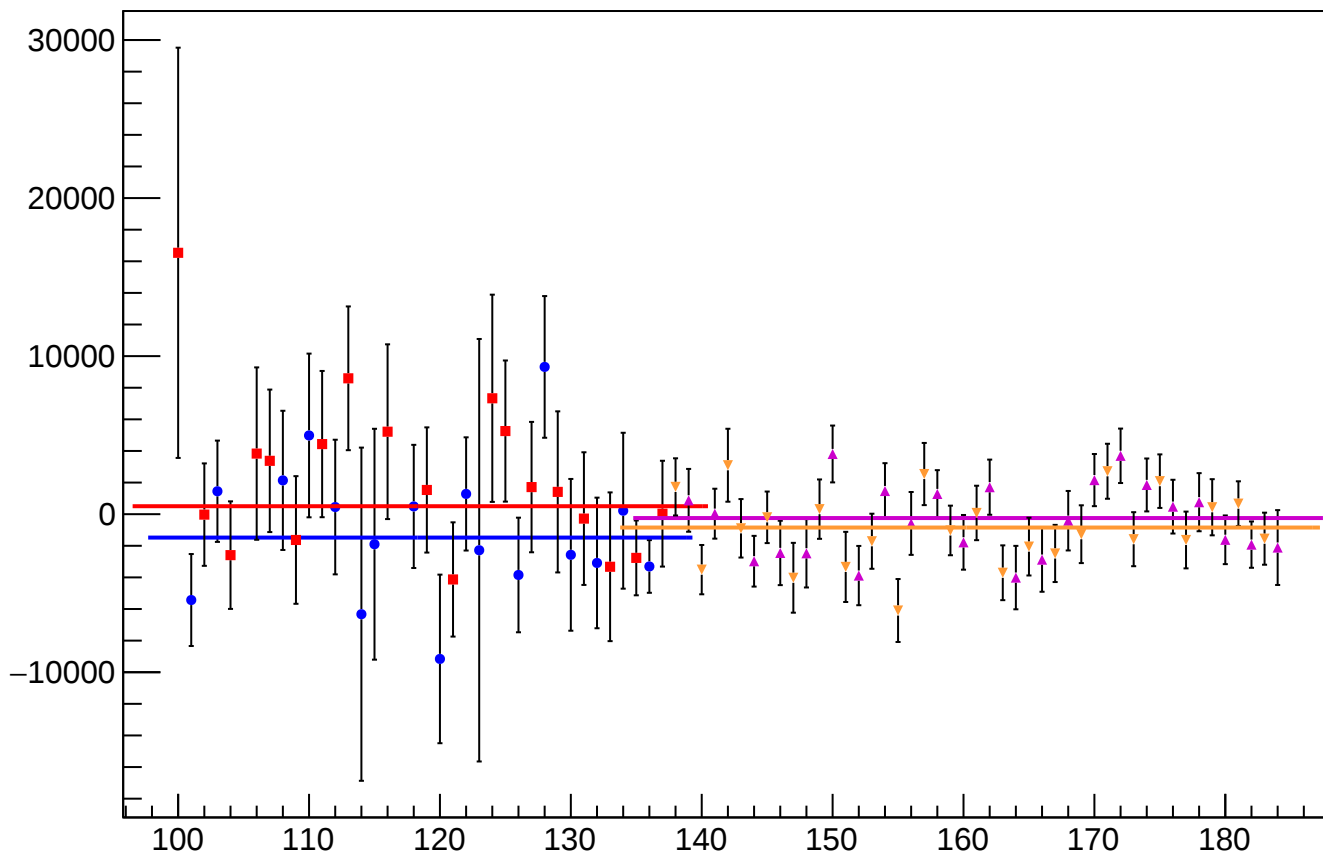
Right: 195.811 $\pm$ 0.038 χ^2 /NDF: 314251.6/35

In: 201.193 $\pm$ 0.029 χ^2 /NDF:296801.5/39

Out: 200.572 $\pm$ 0.028 χ^2 /NDF:335382.3/42

All: 200.875 $\pm$ 0.020 χ^2 /NDF: 632417.6/82

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1480.760+/-912.560 χ^2/NDF : 16.0/16

Left Out: -845.201+/-362.685 χ^2/NDF : 35.6/23

Right Out: 503.732+/-936.543 χ^2/NDF : 14.7/18

Left In: -245.102+/-369.846 χ^2/NDF : 35.7/22

Left: -551.018+/-258.952 χ^2/NDF : 72.7/46

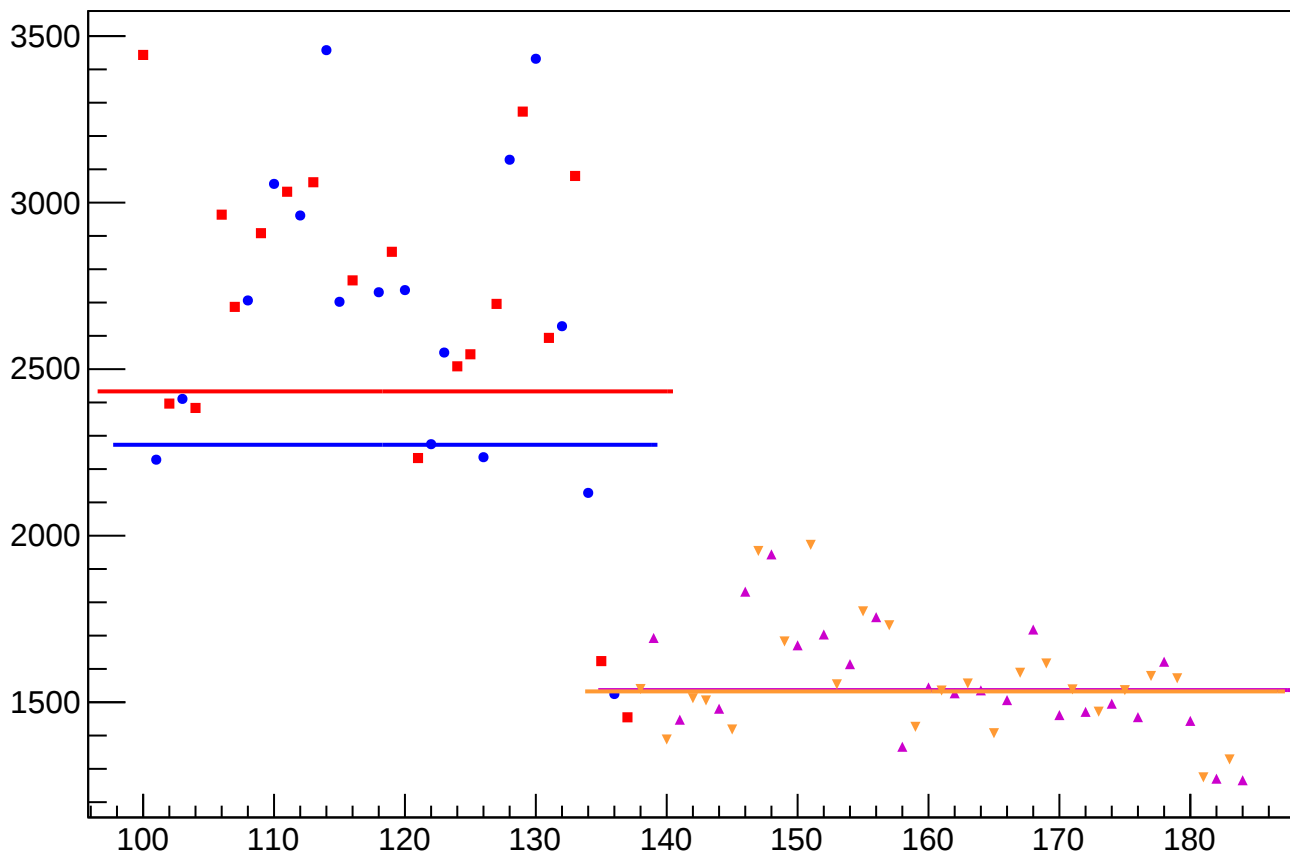
Right: -514.248+/-653.591 χ^2/NDF : 33.0/35

In: -419.431+/-342.765 χ^2/NDF : 53.3/39

Out: -669.284+/-338.210 χ^2/NDF : 52.2/42

All: -546.029+/-240.745 χ^2/NDF : 105.7/82

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.950+/-0.645 χ^2/NDF : 806901.4/16

Left Out: 1532.526+/-0.256 χ^2/NDF : 369087.4/23

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: 1534.493+/-0.183 χ^2/NDF : 719580.7/46

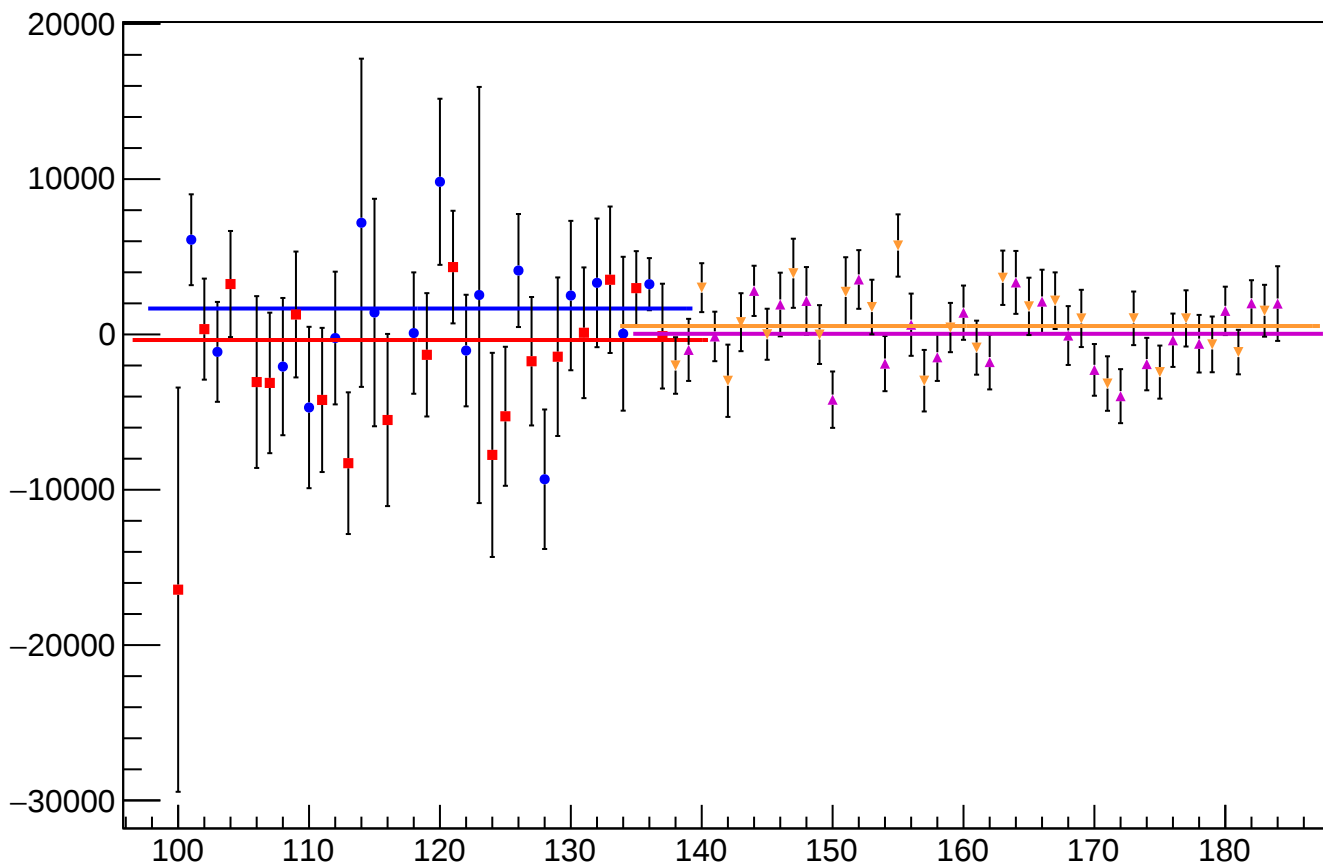
Right: 2351.021+/-0.462 χ^2/NDF : 1519738.5/35

In: 1640.432+/-0.242 χ^2/NDF : 2275942.7/39

Out: 1649.991+/-0.239 χ^2/NDF : 2660554.4/42

All: 1645.276+/-0.170 χ^2/NDF : 4937285.2/82

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1668.629+/-916.594 χ^2/NDF : 16.4/16

Left Out: 541.956+/-366.004 χ^2/NDF :35.5/23

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: 295.944+/-261.332 χ^2/NDF : 70.0/46

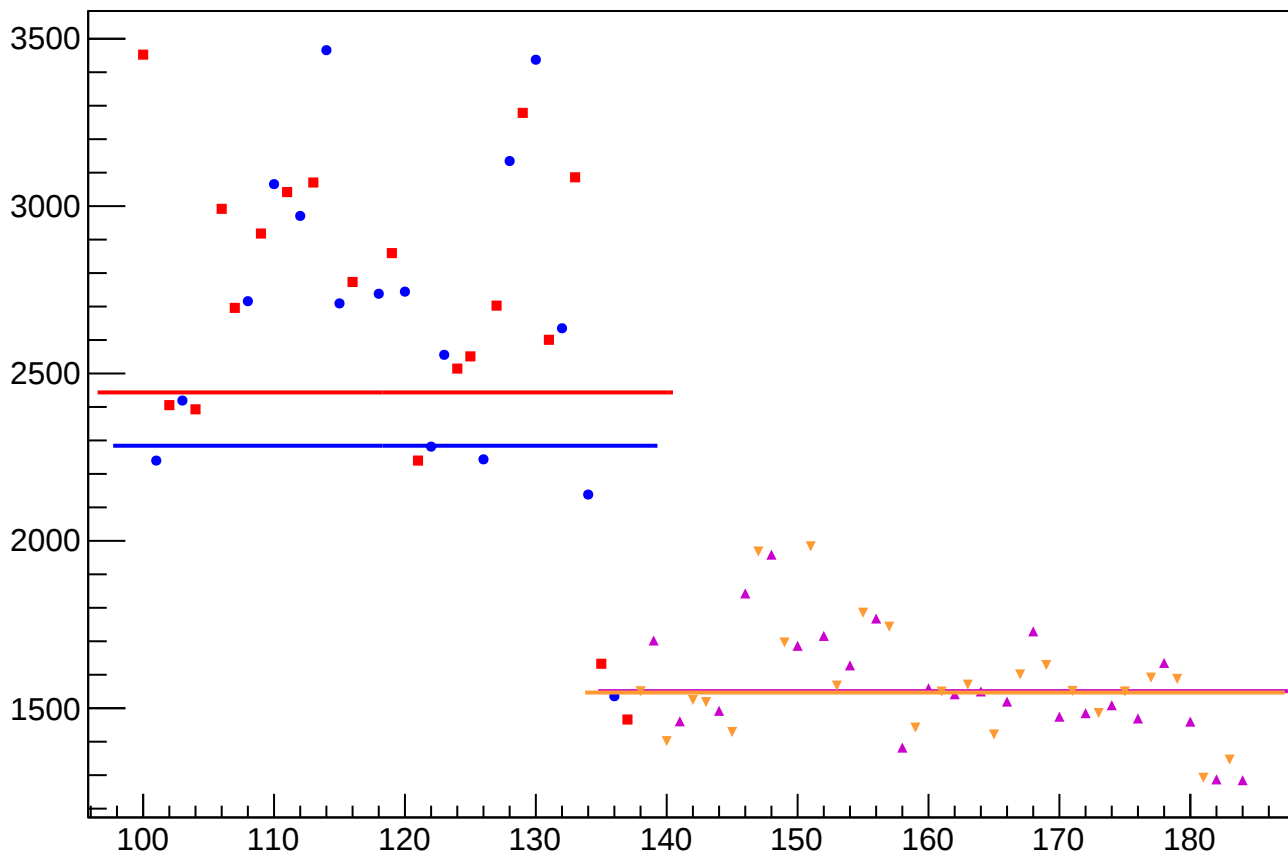
Right: 680.922+/-656.373 χ^2/NDF : 33.9/35

In: 271.732+/-345.696 χ^2/NDF :52.7/39

Out: 423.469+/-341.080 χ^2/NDF :51.3/42

All: 348.620+/-242.796 χ^2/NDF : 104.1/82

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.187 $\pm$ 0.648 χ^2/NDF : 795230.1/16

Left Out: 1546.899 $\pm$ 0.259 χ^2/NDF : 357917.5/23

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: 1548.940 $\pm$ 0.185 χ^2/NDF : 696943.3/46

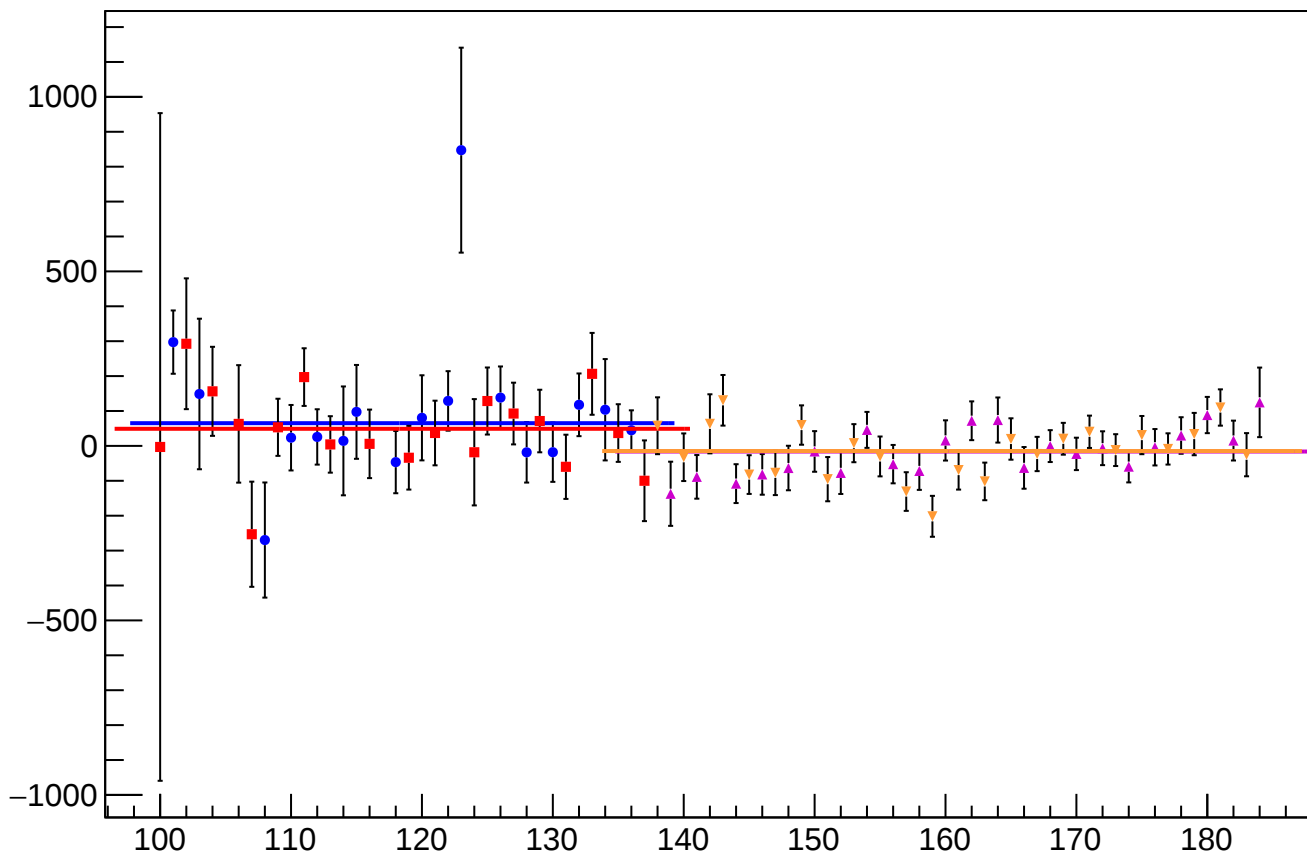
Right: 2361.777 $\pm$ 0.464 χ^2/NDF : 1499537.3/35

In: 1655.346 $\pm$ 0.244 χ^2/NDF : 2231604.1/39

Out: 1664.847 $\pm$ 0.241 χ^2/NDF : 2611582.2/42

All: 1660.160 $\pm$ 0.172 χ^2/NDF : 4843951.7/82

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 65.082 $\pm$ 23.794 χ^2 /NDF: 23.8/16

Left Out: -14.750 $\pm$ 11.459 χ^2 /NDF:39.4/23

Right Out: 49.027 $\pm$ 23.731 χ^2 /NDF: 17.1/18

Left In: -16.162 $\pm$ 11.649 χ^2 /NDF:25.2/22

Left: -15.444 $\pm$ 8.169 χ^2 /NDF: 64.7/46

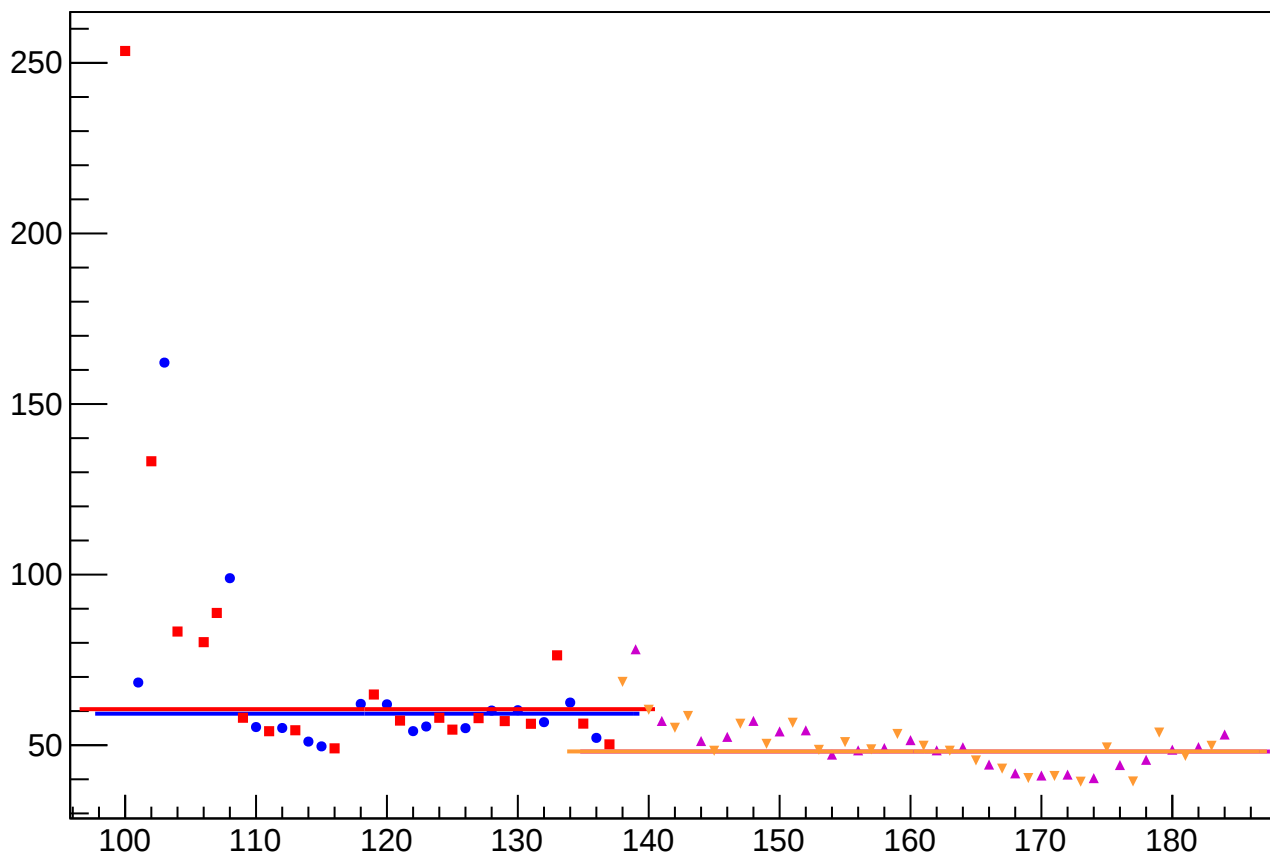
Right: 57.033 $\pm$ 16.803 χ^2 /NDF: 41.1/35

In: -0.452 $\pm$ 10.463 χ^2 /NDF:58.4/39

Out: -2.692 $\pm$ 10.319 χ^2 /NDF:62.3/42

All: -1.588 $\pm$ 7.347 χ^2 /NDF: 120.8/82

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.236 $\pm$ 0.017 χ^2 /NDF: 665304.8/16

Left Out: 48.169 $\pm$ 0.008 χ^2 /NDF: 641740.1/23

Right Out: 60.558 $\pm$ 0.017 χ^2 /NDF: 678218.1/18

Left In: 48.139 $\pm$ 0.008 χ^2 /NDF: 575025.5/22

Left: 48.154 $\pm$ 0.006 χ^2 /NDF: 1216772.4/46

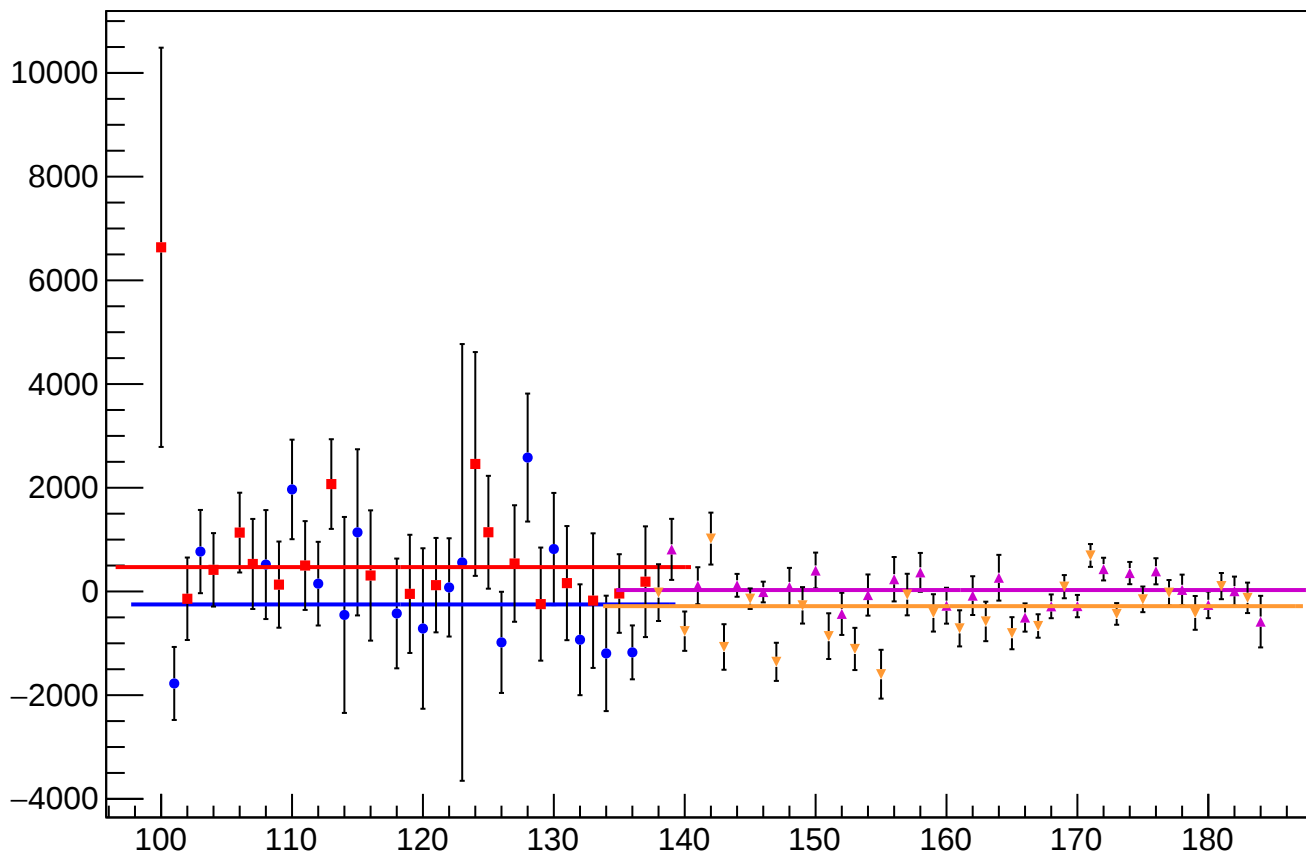
Right: 59.898 $\pm$ 0.012 χ^2 /NDF: 1346618.9/35

In: 50.285 $\pm$ 0.007 χ^2 /NDF: 1591207.0/39

Out: 50.511 $\pm$ 0.007 χ^2 /NDF: 1761959.8/42

All: 50.400 $\pm$ 0.005 χ^2 /NDF: 3353642.4/82

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.295 ± 234.463 χ^2/NDF : 24.6/16

Left Out: -283.434 ± 61.016 χ^2/NDF : 70.0/23

Right Out: 469.693 ± 222.800 χ^2/NDF : 10.4/18

Left In: 27.271 ± 60.430 χ^2/NDF : 25.1/22

Left: -126.582 ± 42.936 χ^2/NDF : 108.2/46

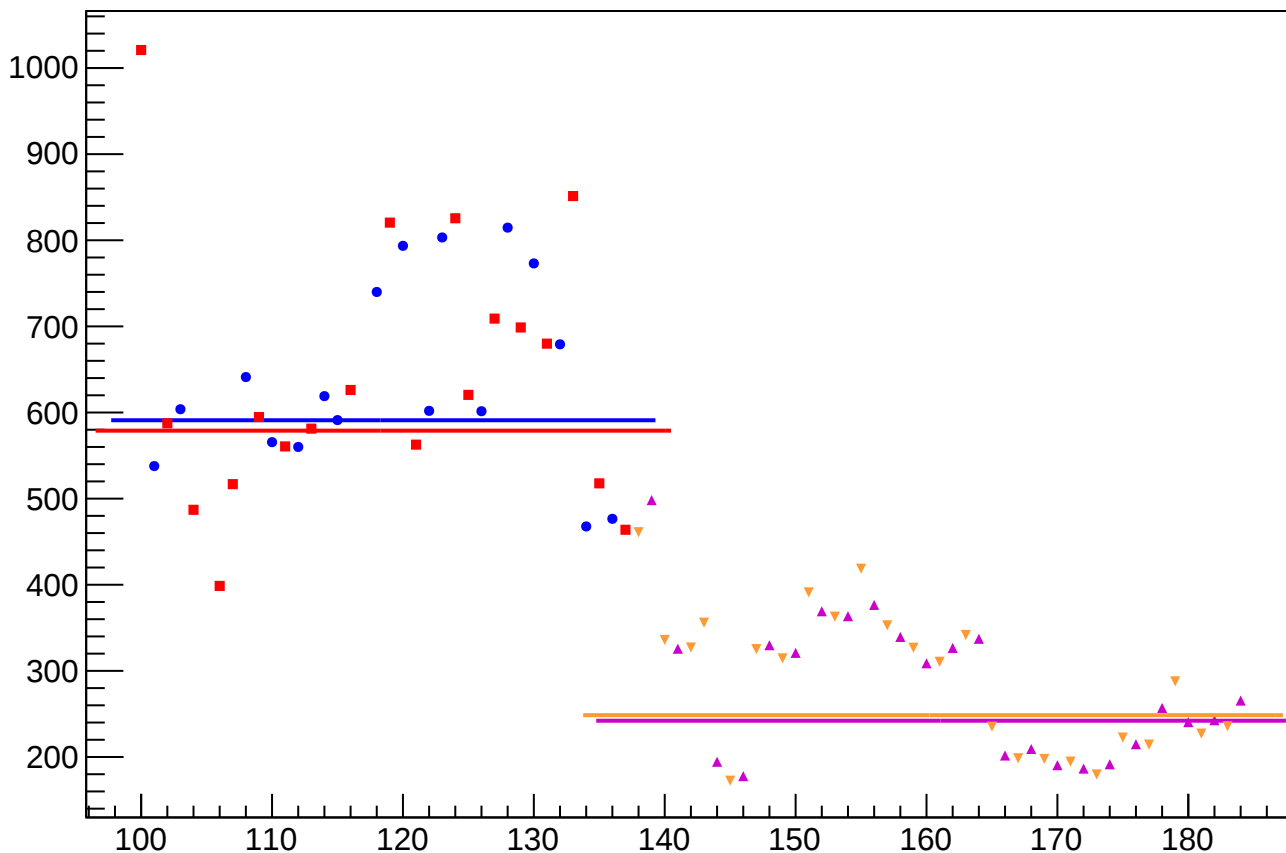
Right: 128.051 ± 161.509 χ^2/NDF : 39.9/35

In: 9.981 ± 58.518 χ^2/NDF : 50.9/39

Out: -230.891 ± 58.849 χ^2/NDF : 91.1/42

All: -109.775 ± 41.495 χ^2/NDF : 150.4/82

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: 248.572 $\pm$ 0.043 χ^2 /NDF: 2720504.7/23

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: 245.313 $\pm$ 0.030 χ^2 /NDF: 5197914.6/46

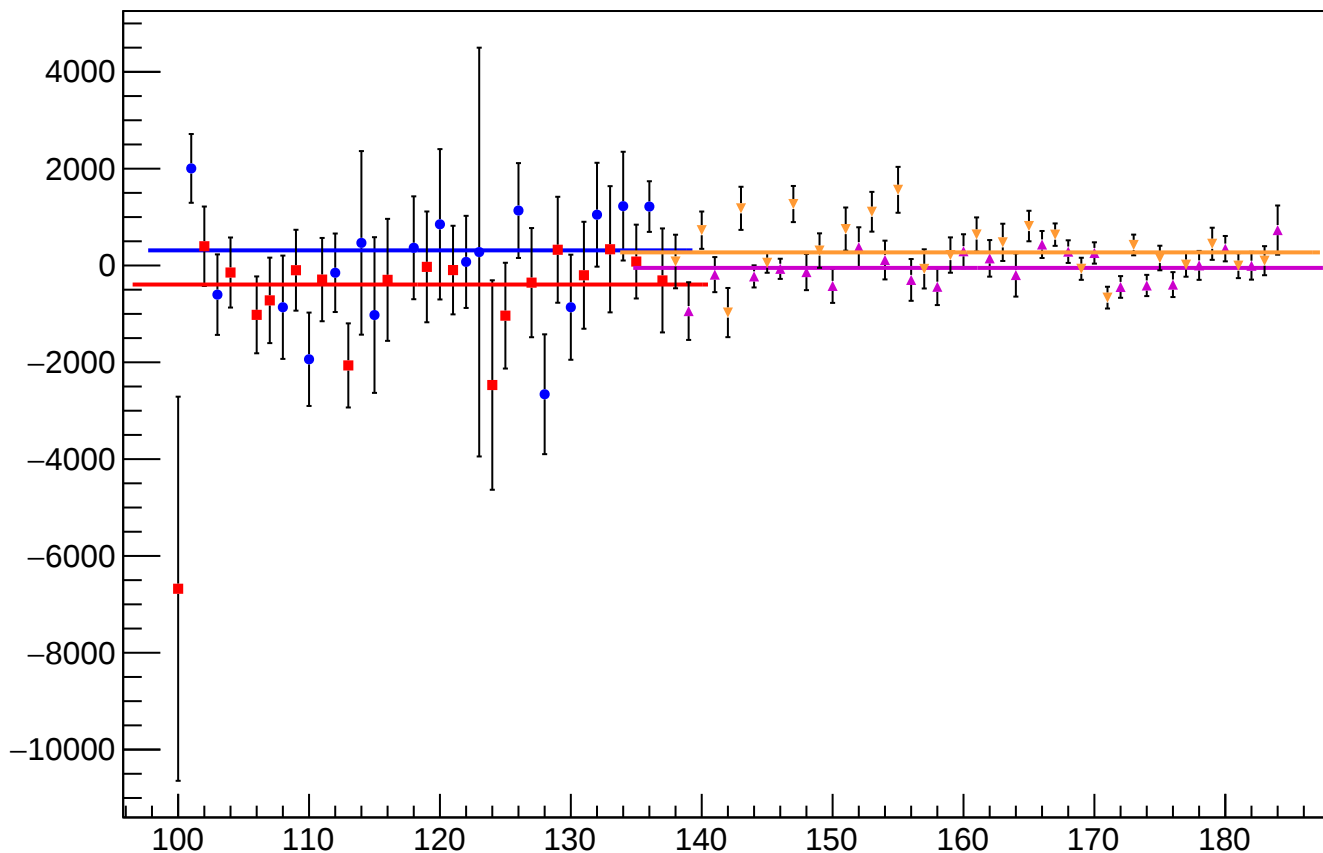
Right: 584.662 $\pm$ 0.114 χ^2 /NDF: 857430.8/35

In: 263.849 $\pm$ 0.041 χ^2 /NDF: 6976881.5/39

Out: 271.621 $\pm$ 0.042 χ^2 /NDF: 7307477.2/42

All: 267.713 $\pm$ 0.029 χ^2 /NDF: 14301895.8/82

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 312.362 $\pm$ 236.449 χ^2/NDF : 26.5/16

Left Out: 270.632 $\pm$ 62.267 χ^2/NDF : 63.3/23

Right Out: -393.265 $\pm$ 225.354 χ^2/NDF : 10.8/18

Left In: -49.832 $\pm$ 61.781 χ^2/NDF : 27.5/22

Left: 109.144 $\pm$ 43.857 χ^2/NDF : 104.2/46

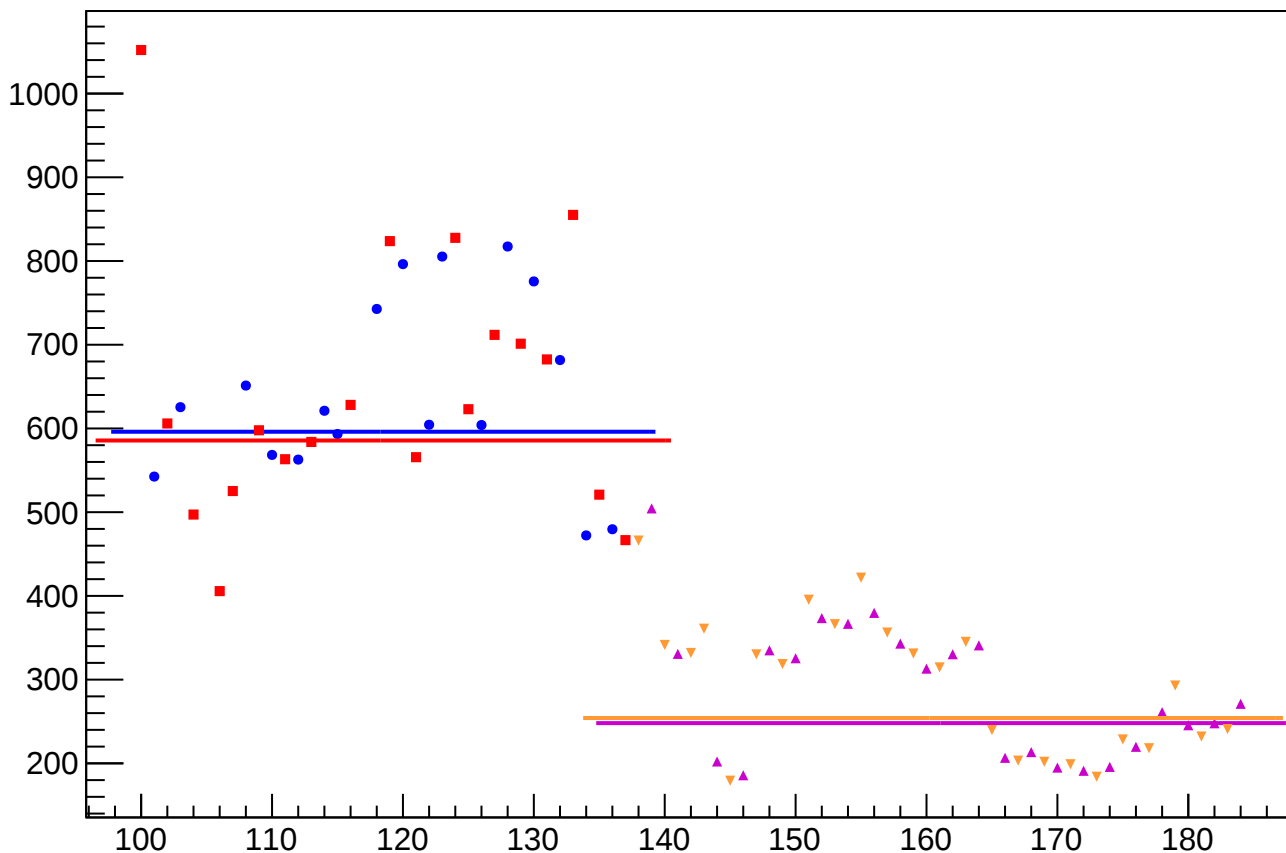
Right: -57.395 $\pm$ 163.130 χ^2/NDF : 42.0/35

In: -26.685 $\pm$ 59.774 χ^2/NDF : 56.2/39

Out: 223.541 $\pm$ 60.018 χ^2/NDF : 82.2/42

All: 97.919 $\pm$ 42.353 χ^2/NDF : 147.2/82

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 596.086 $\pm$ 0.167 χ^2 /NDF: 355935.3/16

Left Out: 254.133 $\pm$ 0.044 χ^2 /NDF: 2607535.2/23

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: 251.077 $\pm$ 0.031 χ^2 /NDF: 4960391.6/46

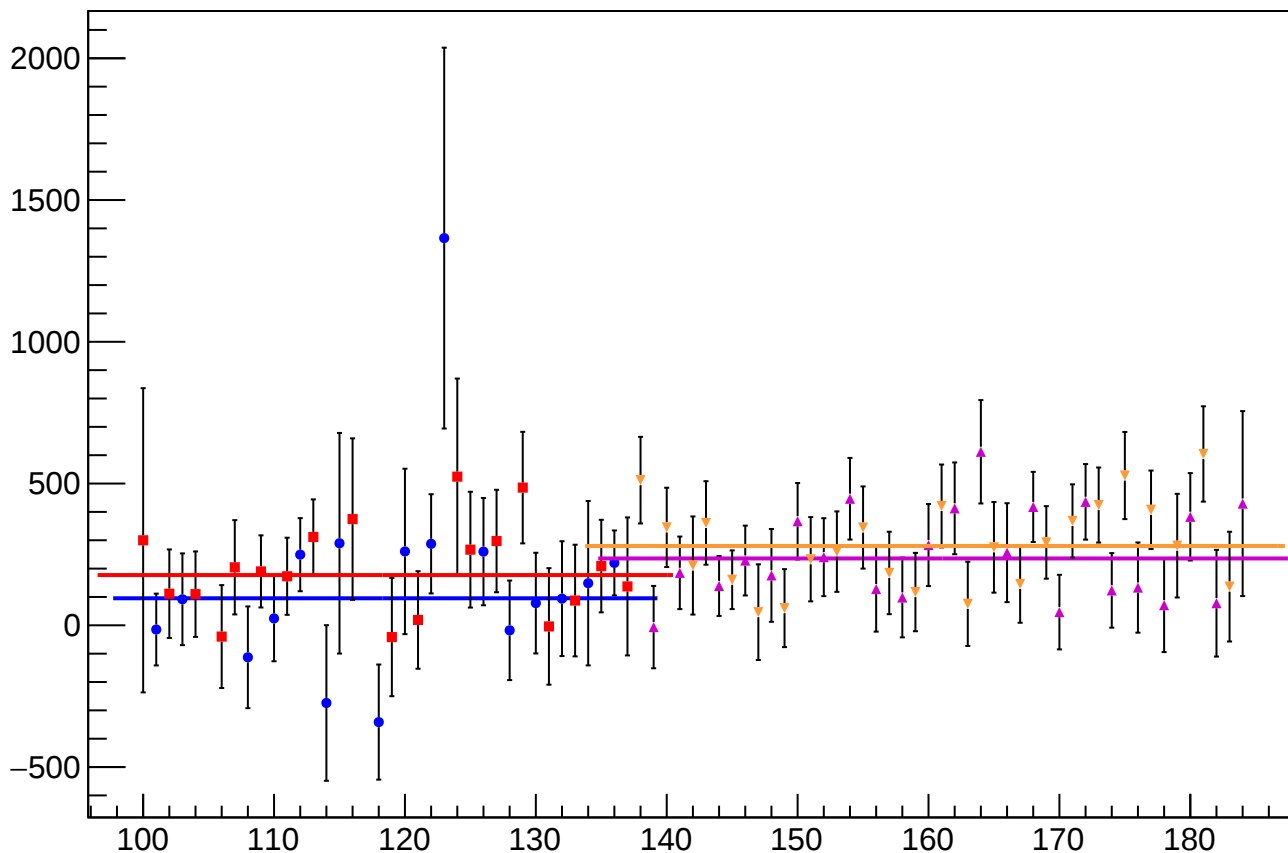
Right: 590.606 $\pm$ 0.115 χ^2 /NDF: 834860.2/35

In: 270.310 $\pm$ 0.042 χ^2 /NDF: 6755024.9/39

Out: 277.647 $\pm$ 0.042 χ^2 /NDF: 7105111.1/42

All: 273.963 $\pm$ 0.030 χ^2 /NDF: 13875141.7/82

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 95.316 $\pm$ 43.397 χ^2 /NDF: 17.9/16

Left Out: 279.813 $\pm$ 29.532 χ^2 /NDF:24.1/23

Right Out: 177.269 $\pm$ 41.181 χ^2 /NDF: 10.5/18

Left In: 235.801 $\pm$ 30.232 χ^2 /NDF:24.6/22

Left: 258.322 $\pm$ 21.125 χ^2 /NDF: 49.8/46

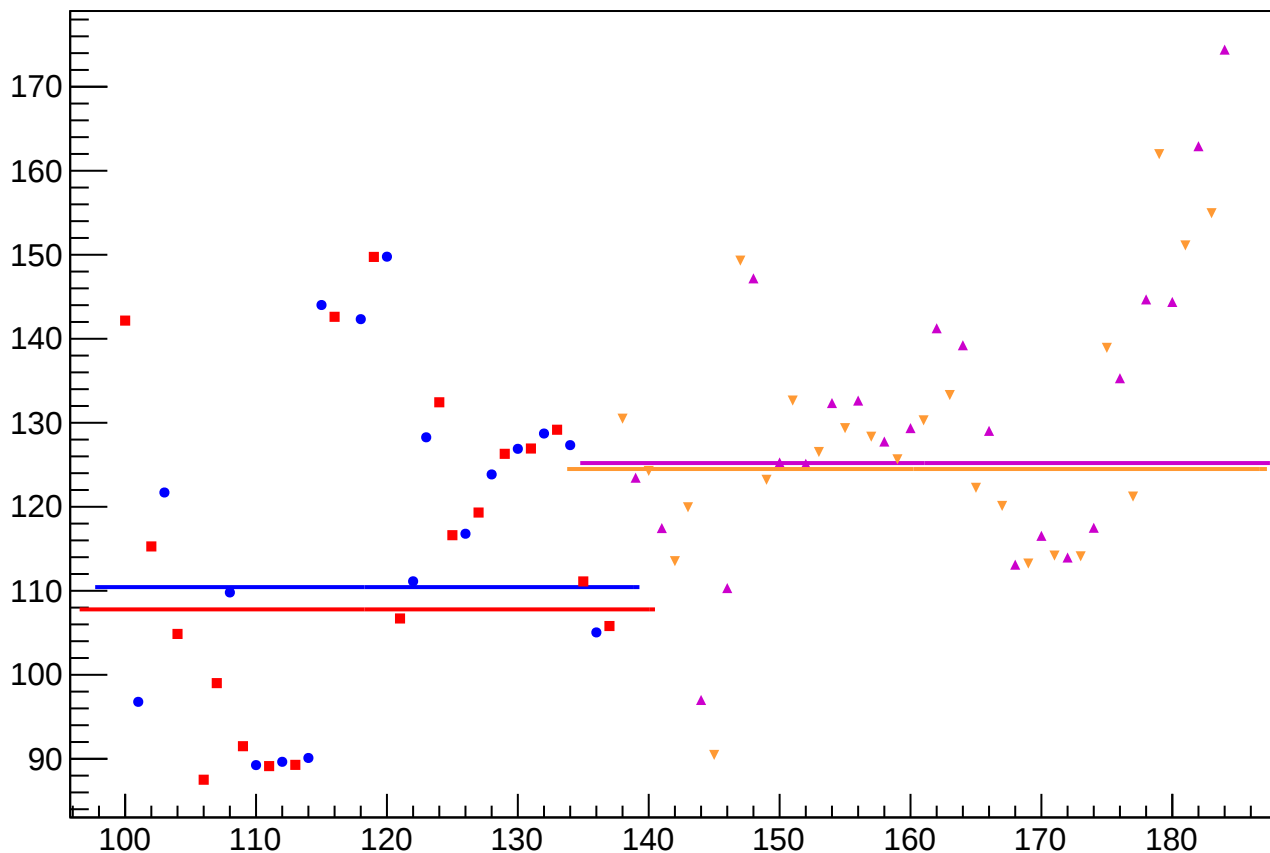
Right: 138.437 $\pm$ 29.872 χ^2 /NDF: 30.3/35

In: 189.900 $\pm$ 24.806 χ^2 /NDF:49.6/39

Out: 244.988 $\pm$ 23.999 χ^2 /NDF:38.7/42

All: 218.355 $\pm$ 17.248 χ^2 /NDF: 90.9/82

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.439 ± 0.031 $\chi^2/\text{NDF}: 296029.7/16$

Left Out: 124.496 ± 0.021 $\chi^2/\text{NDF}: 538681.4/23$

Right Out: 107.787 ± 0.029 $\chi^2/\text{NDF}: 346139.4/18$

Left In: 125.205 ± 0.021 $\chi^2/\text{NDF}: 501388.2/22$

Left: 124.842 ± 0.015 $\chi^2/\text{NDF}: 1040632.8/46$

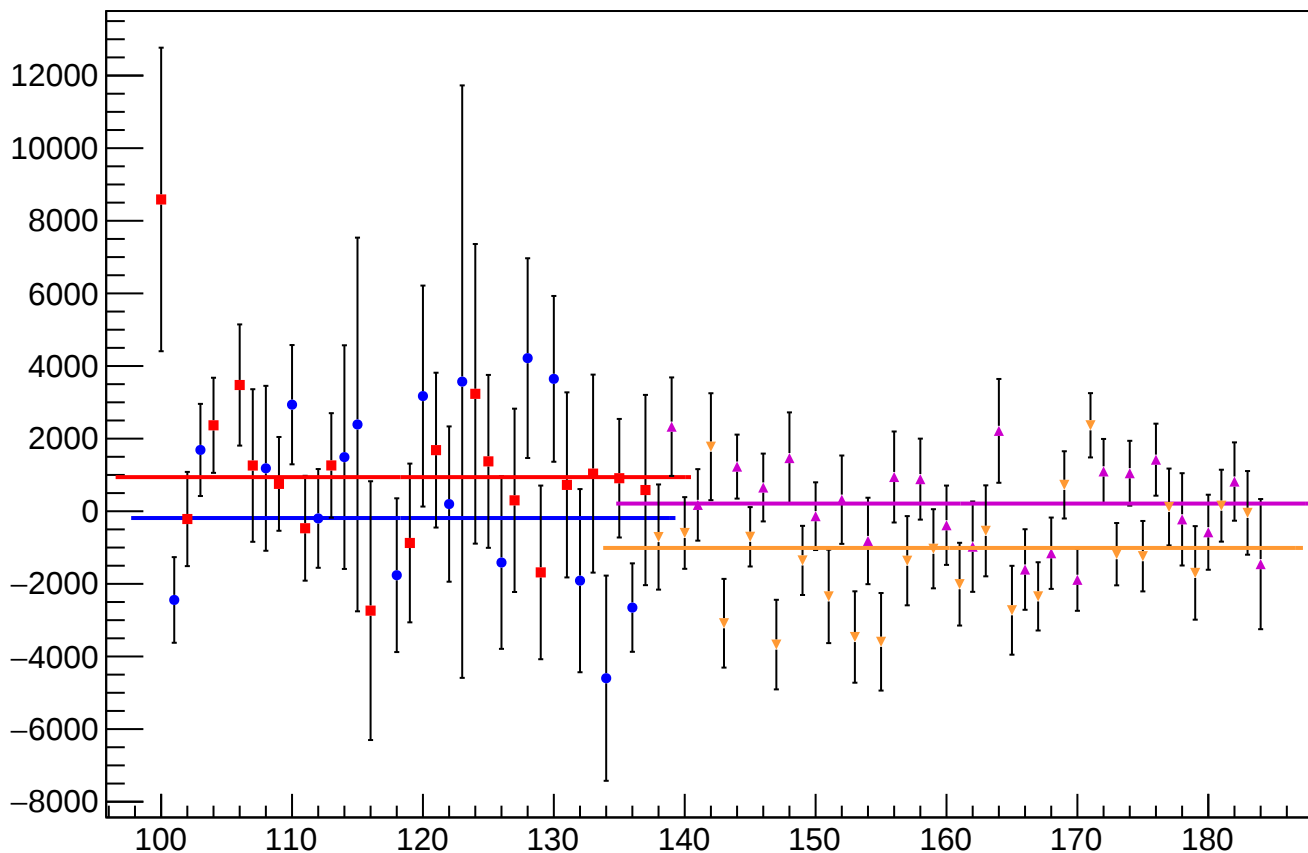
Right: 109.044 ± 0.021 $\chi^2/\text{NDF}: 646100.5/35$

In: 120.381 ± 0.018 $\chi^2/\text{NDF}: 953305.3/39$

Out: 118.821 ± 0.017 $\chi^2/\text{NDF}: 1102255.3/42$

All: 119.575 ± 0.012 $\chi^2/\text{NDF}: 2059642.3/82$

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -186.780+/-465.749 χ^2/NDF : 25.0/16

Left Out: -1010.702+/-220.765 χ^2/NDF : 46.8/23

Right Out: 939.774+/-435.810 χ^2/NDF : 12.2/18

Left In: 211.420+/-223.296 χ^2/NDF : 25.7/22

Left: -406.606+/-156.992 χ^2/NDF : 87.6/46

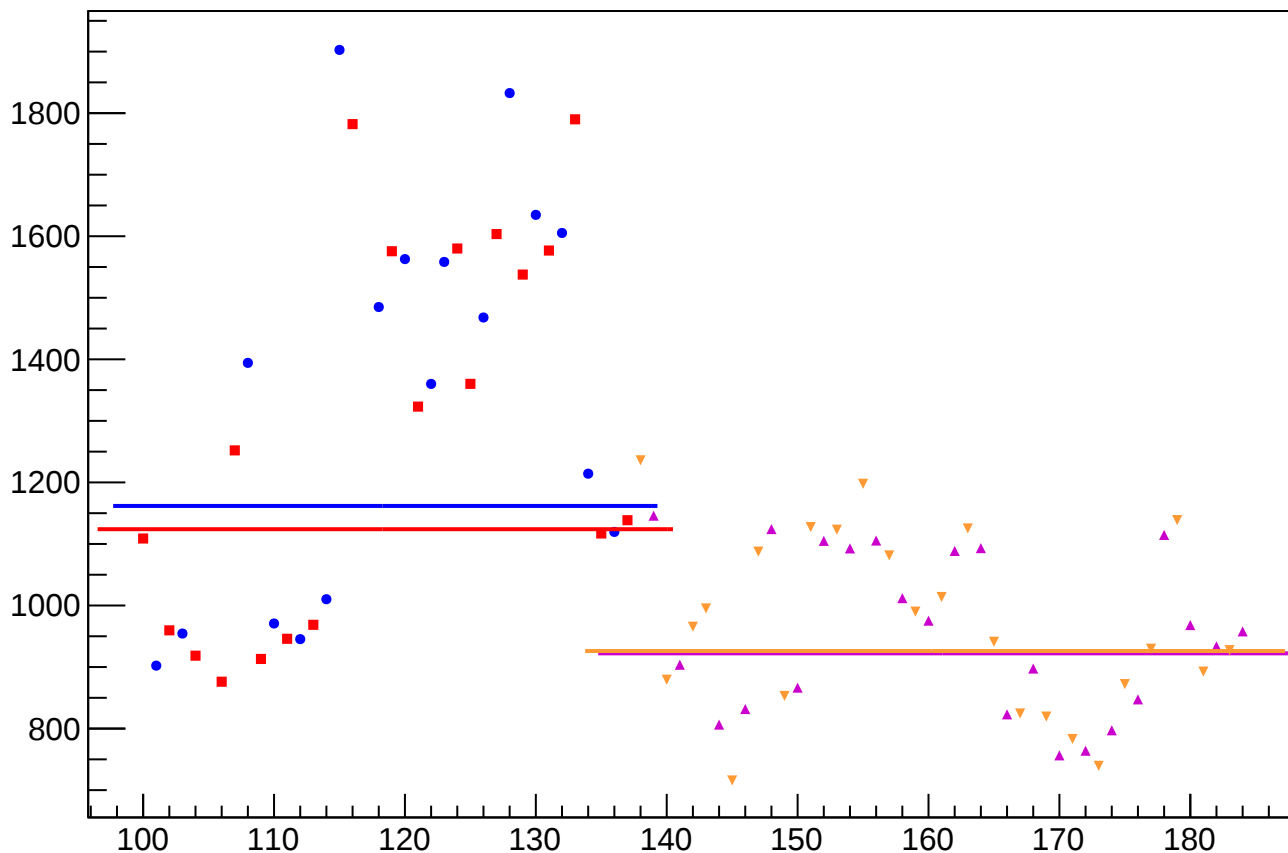
Right: 413.866+/-318.222 χ^2/NDF : 40.3/35

In: 136.998+/-201.351 χ^2/NDF : 51.3/39

Out: -612.404+/-196.939 χ^2/NDF : 75.0/42

All: -246.004+/-140.791 χ^2/NDF : 133.3/82

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: 926.040 $\pm$ 0.156 χ^2 /NDF: 822896.7/23

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: 924.164 $\pm$ 0.111 χ^2 /NDF: 1457901.0/46

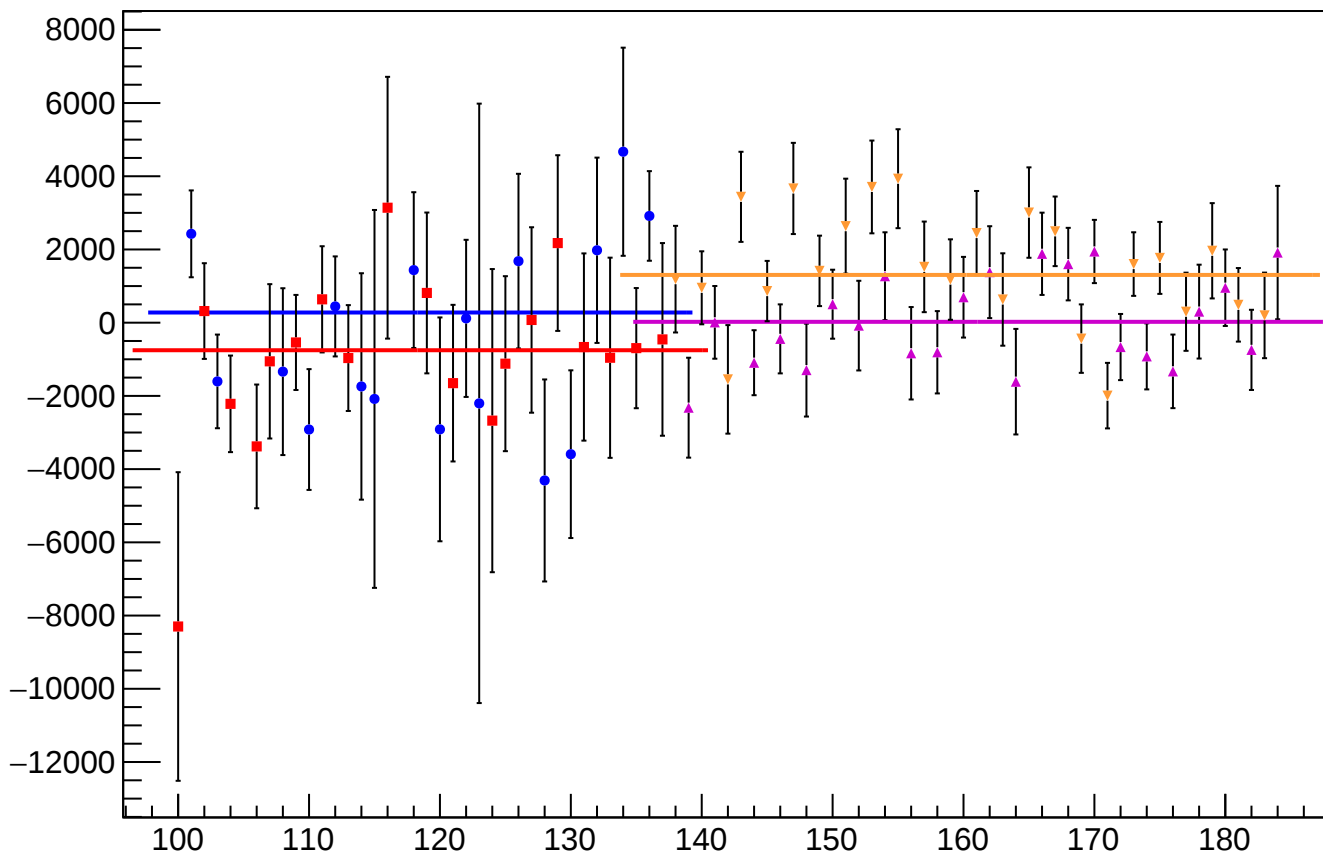
Right: 1141.621 $\pm$ 0.225 χ^2 /NDF: 1477824.2/35

In: 967.013 $\pm$ 0.142 χ^2 /NDF: 1766062.1/39

Out: 966.459 $\pm$ 0.139 χ^2 /NDF: 1920772.7/42

All: 966.730 $\pm$ 0.100 χ^2 /NDF: 3686842.6/82

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 277.871 $\pm$ 468.037 χ^2 /NDF: 25.3/16

Left Out: 1304.528 $\pm$ 222.896 χ^2 /NDF:44.0/23

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: 671.415 $\pm$ 158.521 χ^2 /NDF: 87.5/46

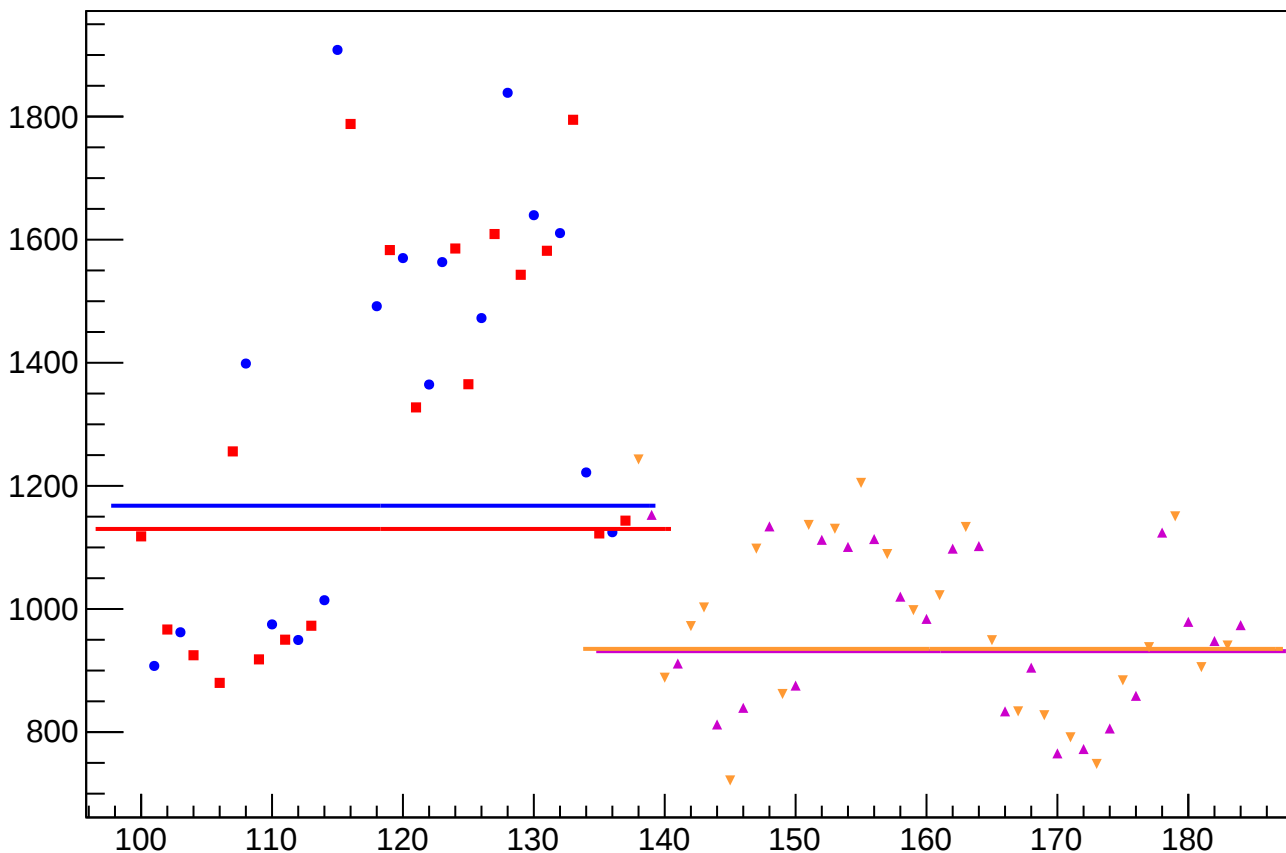
Right: -271.224 $\pm$ 319.880 χ^2 /NDF: 40.1/35

In: 71.402 $\pm$ 203.143 χ^2 /NDF:52.7/39

Out: 881.682 $\pm$ 198.670 χ^2 /NDF:73.8/42

All: 485.561 $\pm$ 142.036 χ^2 /NDF: 134.6/82

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.786 $\pm$ 0.331 χ^2/NDF : 695715.2/16

Left Out: 935.205 $\pm$ 0.158 χ^2/NDF : 810534.4/23

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: 933.370 $\pm$ 0.112 χ^2/NDF : 1435244.9/46

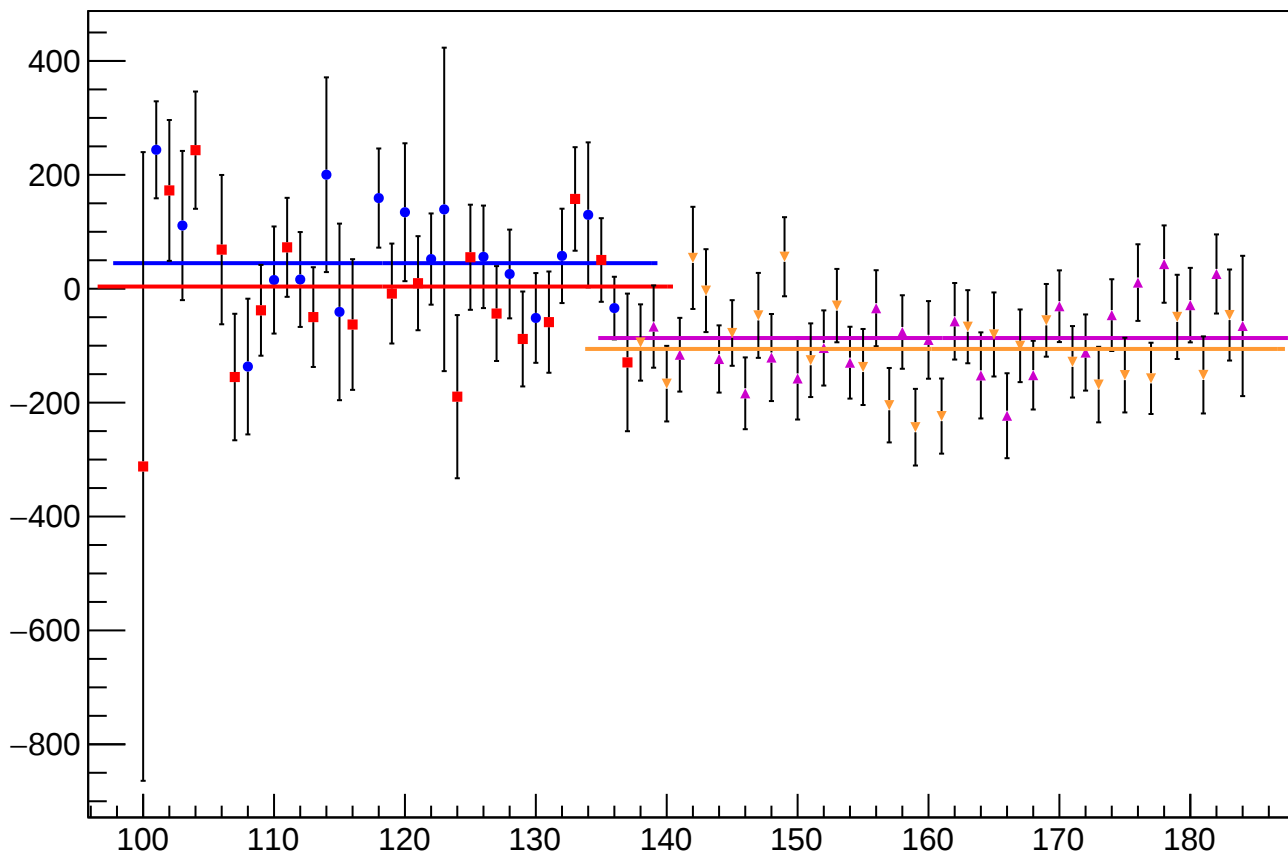
Right: 1147.674 $\pm$ 0.226 χ^2/NDF : 1465939.2/35

In: 976.007 $\pm$ 0.144 χ^2/NDF : 1733888.4/39

Out: 975.256 $\pm$ 0.140 χ^2/NDF : 1887965.7/42

All: 975.623 $\pm$ 0.100 χ^2/NDF : 3621868.1/82

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 44.919 $\pm$ 22.614 χ^2/NDF : 15.9/16

Left Out: -105.709 $\pm$ 13.757 χ^2/NDF :28.6/23

Right Out: 3.849 $\pm$ 22.193 χ^2/NDF : 20.2/18

Left In: -86.542 $\pm$ 14.120 χ^2/NDF :21.4/22

Left: -96.375 $\pm$ 9.853 χ^2/NDF : 50.9/46

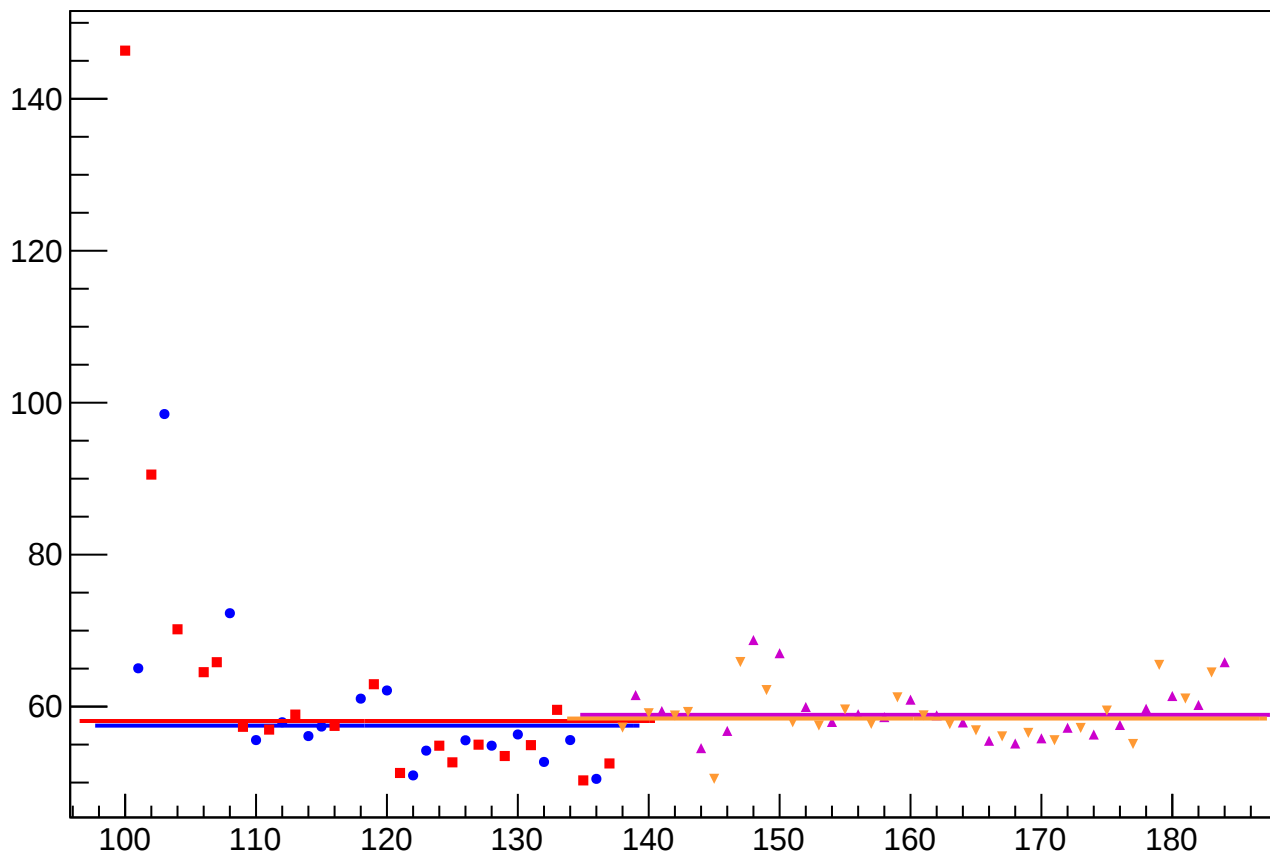
Right: 23.998 $\pm$ 15.840 χ^2/NDF : 37.7/35

In: -49.668 $\pm$ 11.977 χ^2/NDF :61.6/39

Out: -75.298 $\pm$ 11.692 χ^2/NDF :66.4/42

All: -62.791 $\pm$ 8.367 χ^2/NDF : 130.3/82

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: 58.427 $\pm$ 0.010 χ^2 /NDF:119168.5/23

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: 58.664 $\pm$ 0.007 χ^2 /NDF: 230354.2/46

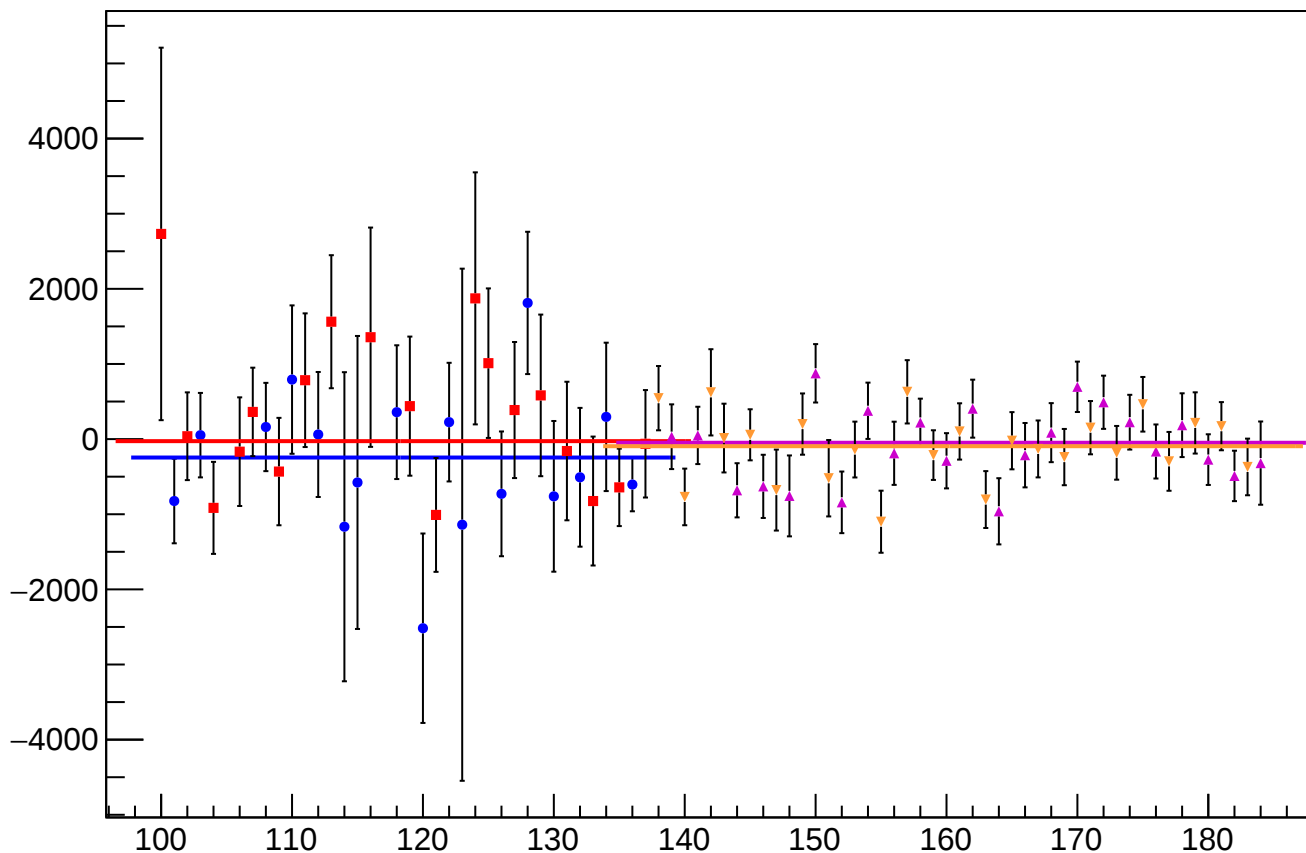
Right: 57.806 $\pm$ 0.011 χ^2 /NDF: 605627.5/35

In: 58.516 $\pm$ 0.008 χ^2 /NDF:422324.6/39

Out: 58.338 $\pm$ 0.008 χ^2 /NDF:417664.5/42

All: 58.424 $\pm$ 0.006 χ^2 /NDF: 840215.3/82

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: -94.506+/-79.560 χ^2/NDF : 27.6/23

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: -71.906+/-56.603 χ^2/NDF : 63.1/46

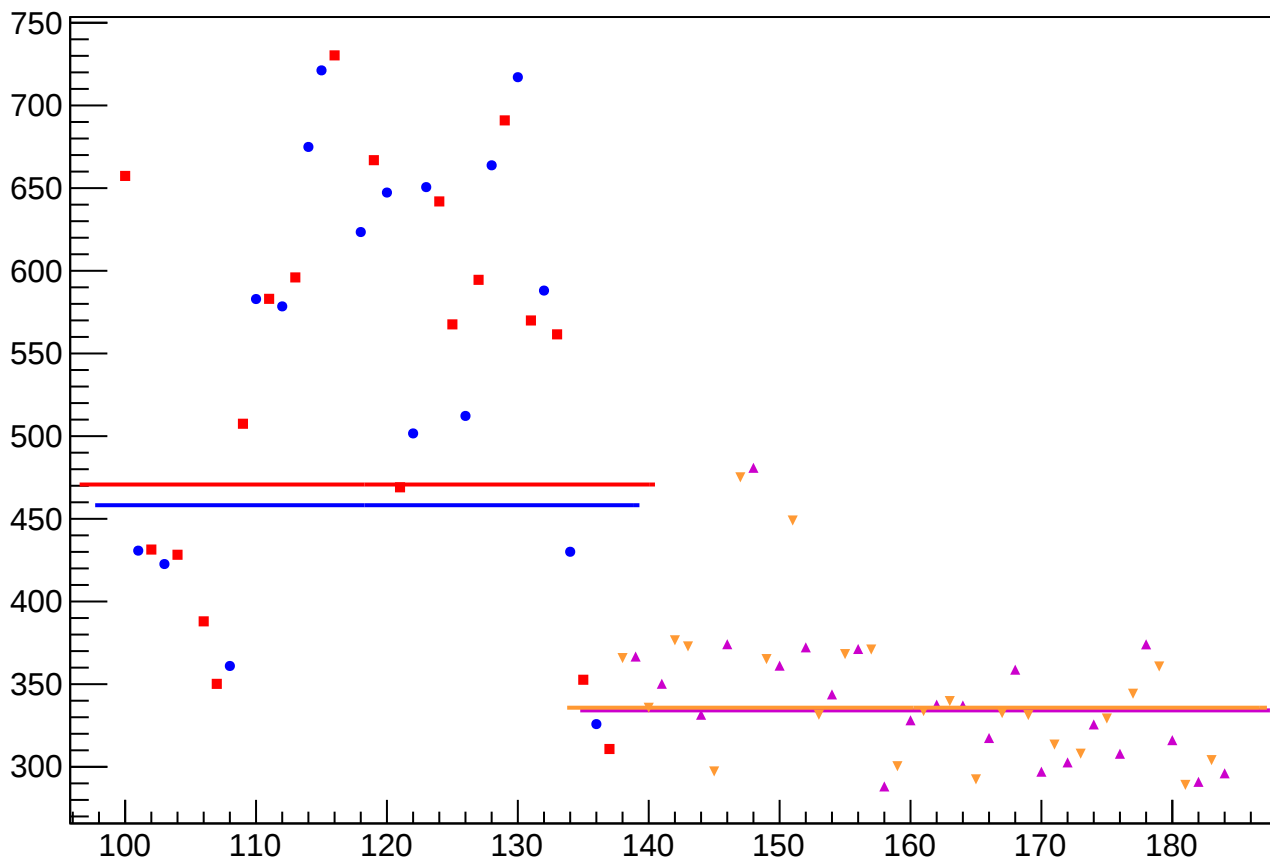
Right: -134.785+/-129.591 χ^2/NDF : 31.1/35

In: -80.206+/-73.814 χ^2/NDF : 50.4/39

Out: -83.711+/-72.908 χ^2/NDF : 44.0/42

All: -81.980+/-51.871 χ^2/NDF : 94.4/82

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: 335.775+/-0.056 χ^2/NDF : 463801.1/23

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: 334.971+/-0.040 χ^2/NDF : 861415.4/46

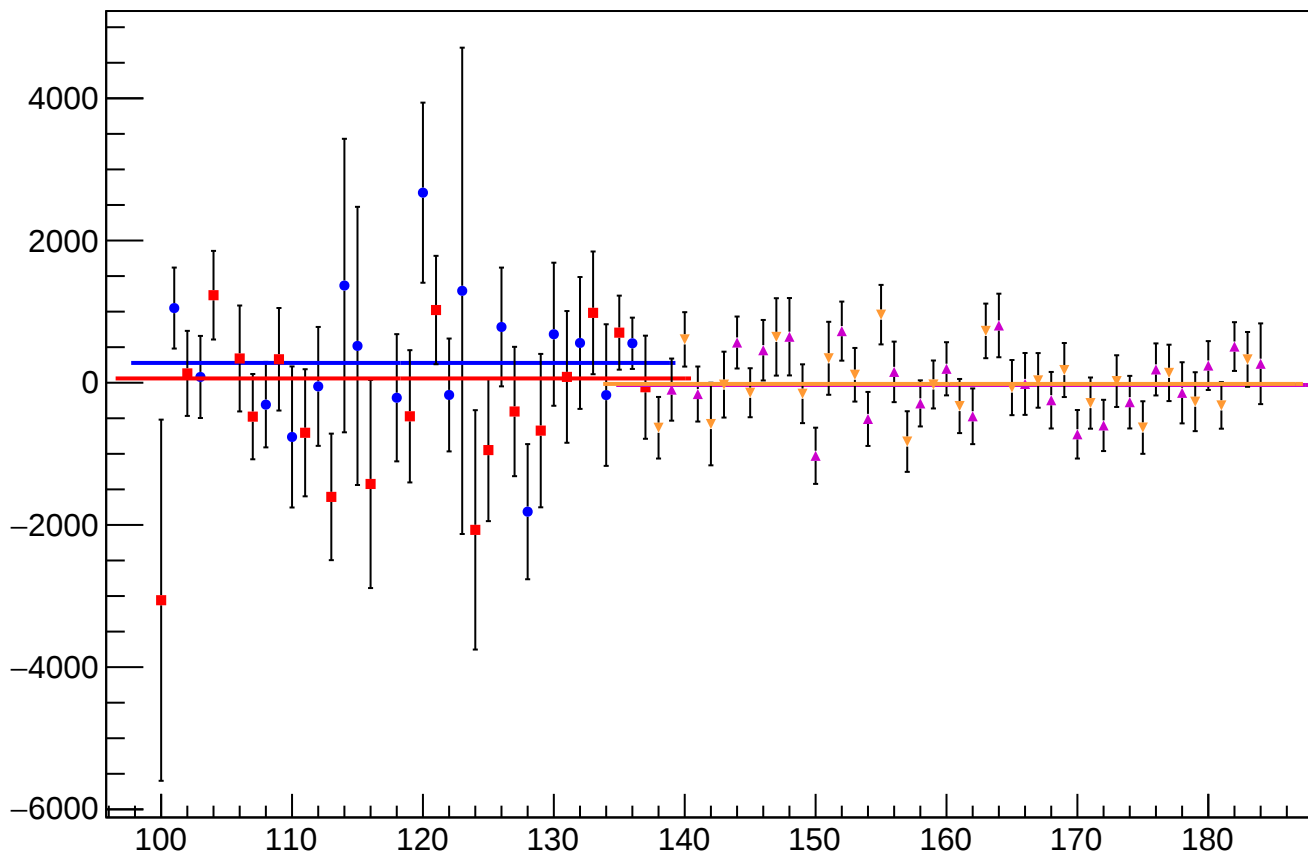
Right: 464.568+/-0.092 χ^2/NDF : 1665907.4/35

In: 354.027+/-0.052 χ^2/NDF : 2036916.0/39

Out: 357.400+/-0.052 χ^2/NDF : 2168033.5/42

All: 355.734+/-0.037 χ^2/NDF : 4207063.5/82

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: -16.765 $\pm$ 80.814 χ^2 /NDF:27.2/23

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: -24.188 $\pm$ 57.503 χ^2 /NDF: 61.3/46

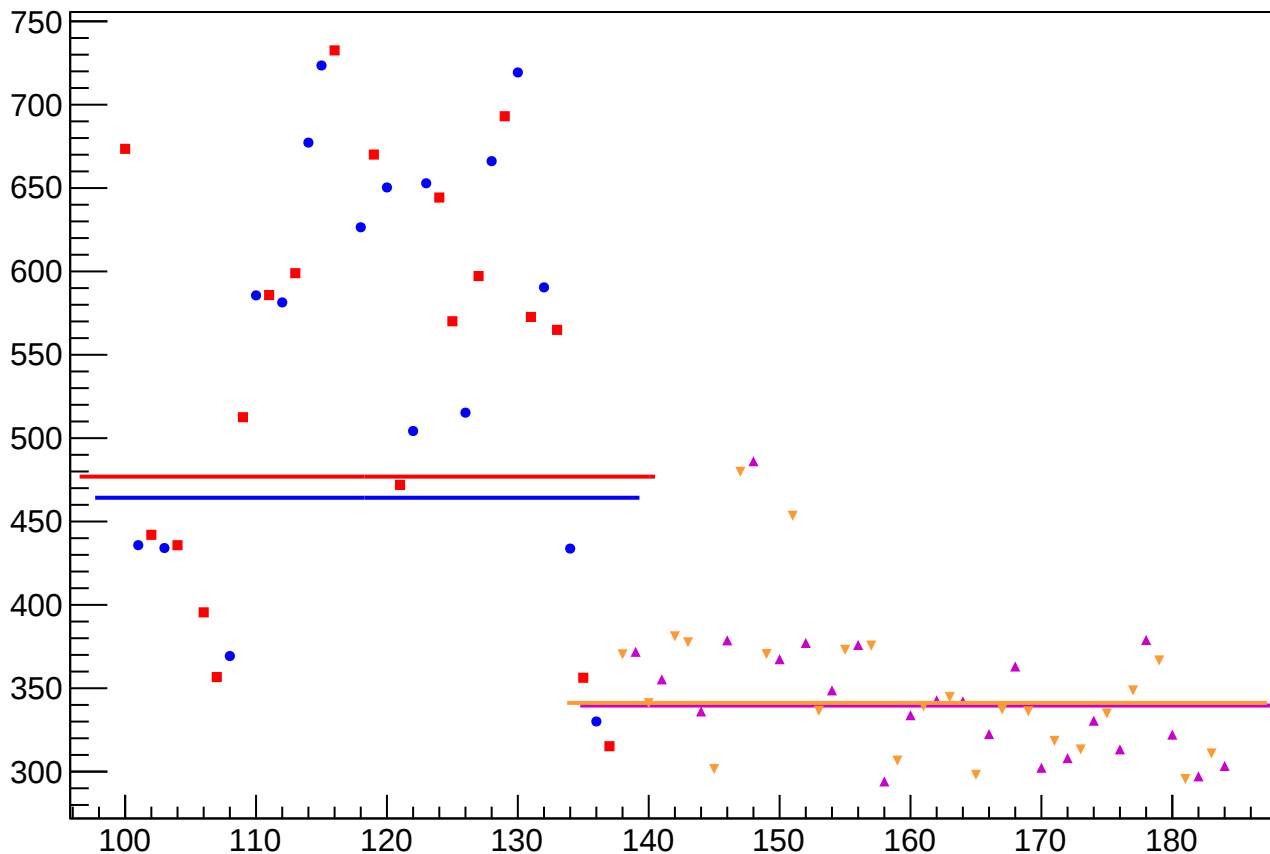
Right: 168.140 $\pm$ 131.156 χ^2 /NDF: 35.1/35

In: 18.273 $\pm$ 74.947 χ^2 /NDF:51.4/39

Out: -4.347 $\pm$ 74.018 χ^2 /NDF:46.8/42

All: 6.822 $\pm$ 52.664 χ^2 /NDF: 98.2/82

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.257 ± 0.132 χ^2/NDF : 847933.8/16

Left Out: 341.199 ± 0.057 χ^2/NDF : 444089.9/23

Right Out: 476.925 ± 0.130 χ^2/NDF : 752685.6/18

Left In: 339.621 ± 0.058 χ^2/NDF : 379808.1/22

Left: 340.420 ± 0.041 χ^2/NDF : 824274.4/46

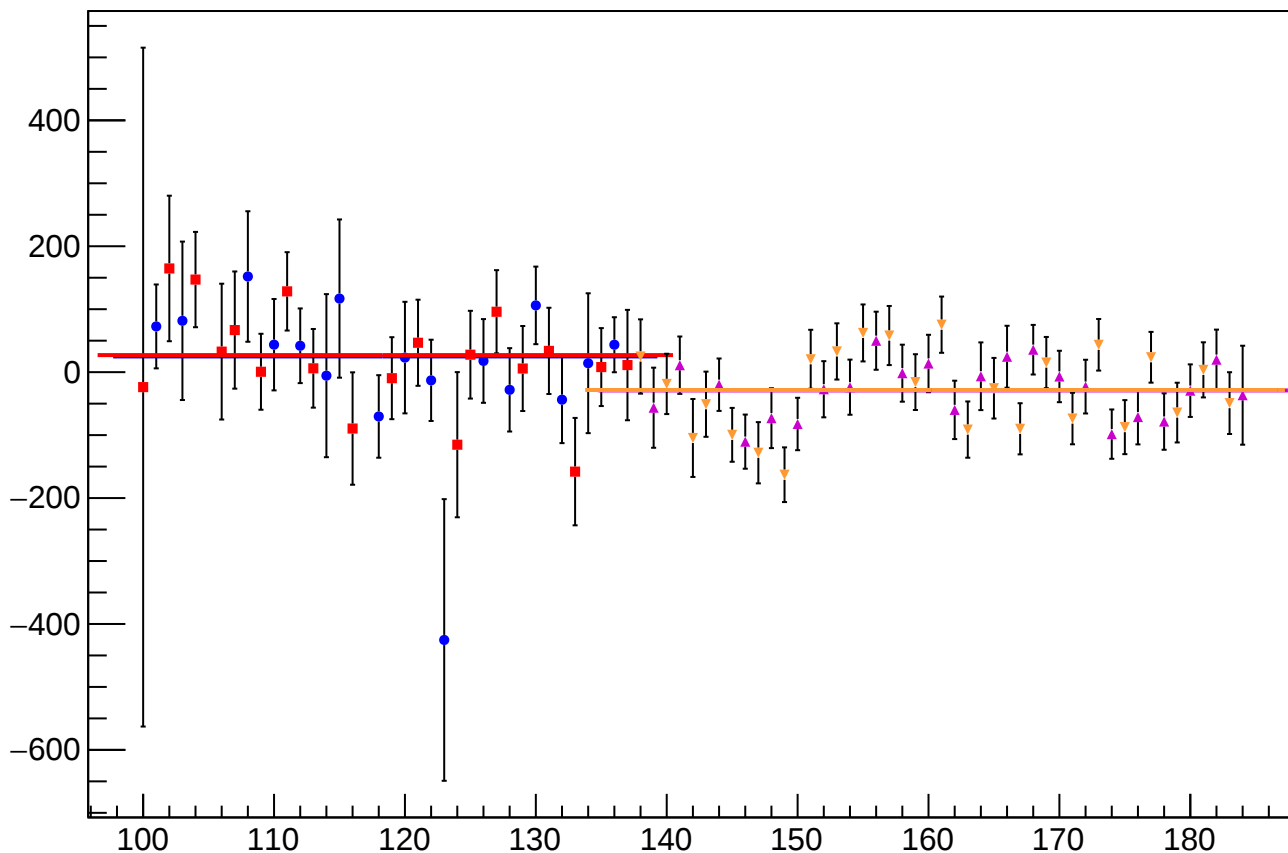
Right: 470.666 ± 0.093 χ^2/NDF : 1605283.8/35

In: 359.730 ± 0.053 χ^2/NDF : 1976148.8/39

Out: 363.068 ± 0.052 χ^2/NDF : 2105739.0/42

All: 361.420 ± 0.037 χ^2/NDF : 4083896.0/82

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.974+/-17.871 χ^2/NDF : 13.0/16

Left Out: -28.329+/-9.268 χ^2/NDF :49.6/23

Right Out: 27.097+/-17.436 χ^2/NDF : 16.7/18

Left In: -29.055+/-9.449 χ^2/NDF :22.4/22

Left: -28.685+/-6.617 χ^2/NDF : 72.0/46

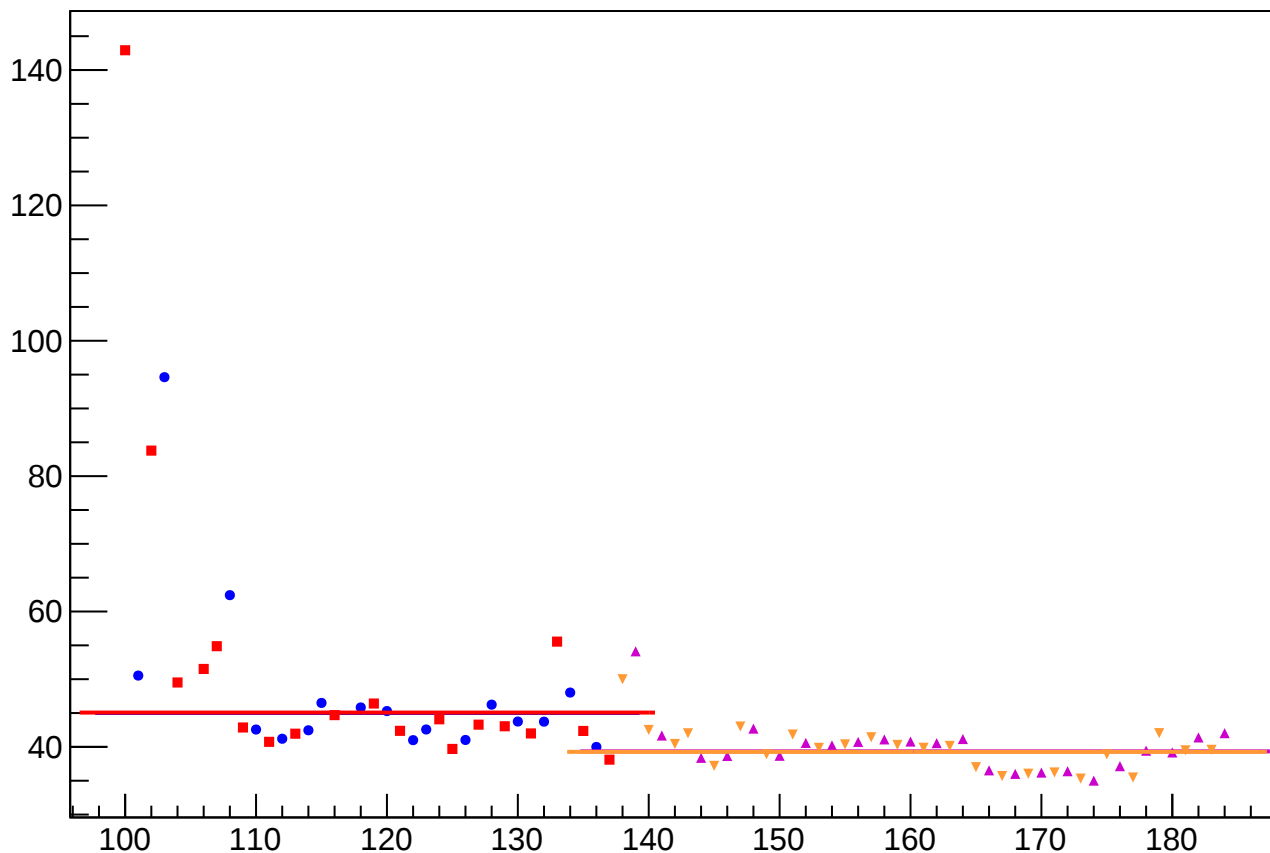
Right: 26.062+/-12.480 χ^2/NDF : 29.8/35

In: -17.250+/-8.354 χ^2/NDF :42.6/39

Out: -16.119+/-8.184 χ^2/NDF :74.2/42

All: -16.673+/-5.846 χ^2/NDF : 116.8/82

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: 39.266 $\pm$ 0.007 χ^2 /NDF: 198953.8/23

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: 39.302 $\pm$ 0.005 χ^2 /NDF: 414684.2/46

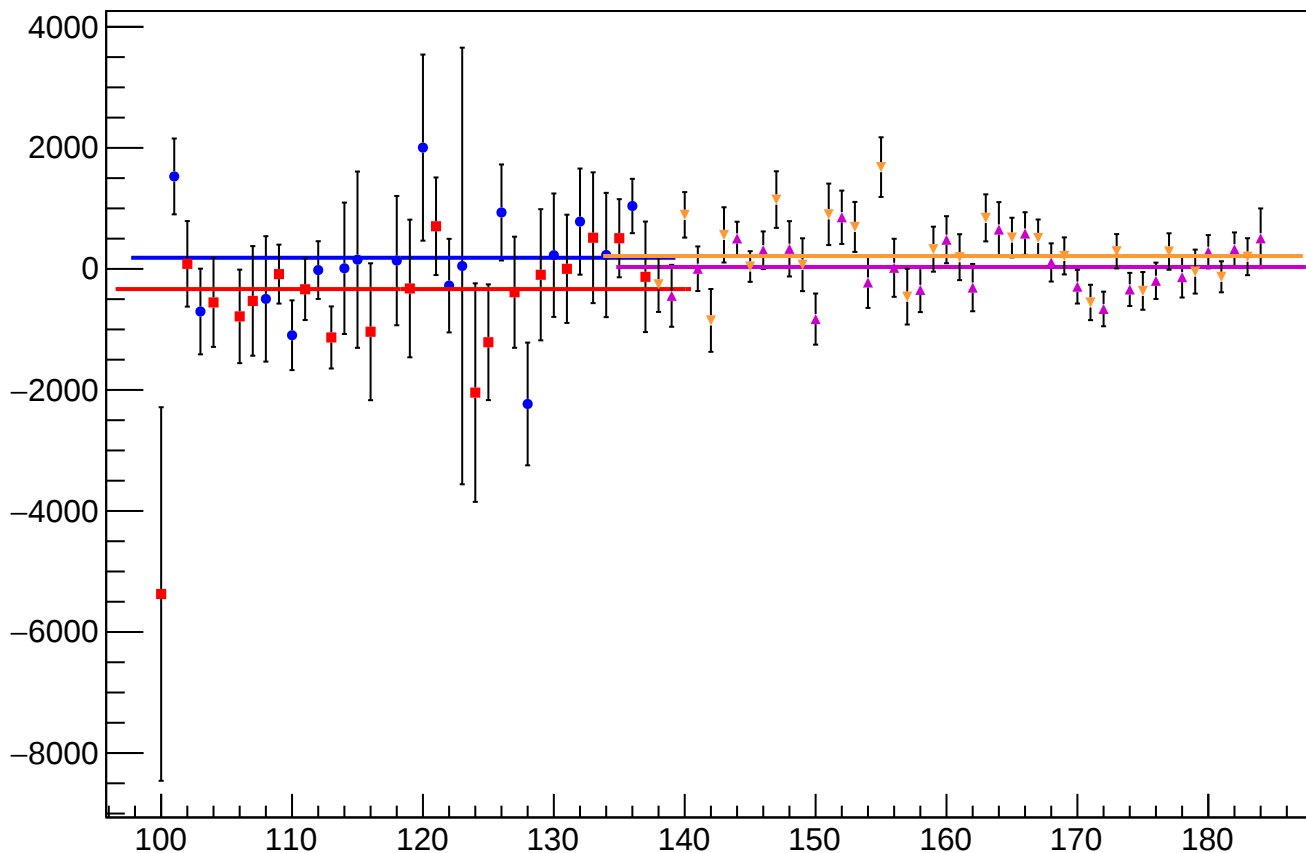
Right: 45.041 $\pm$ 0.009 χ^2 /NDF: 851931.9/35

In: 40.577 $\pm$ 0.006 χ^2 /NDF: 811326.4/39

Out: 40.545 $\pm$ 0.006 χ^2 /NDF: 785400.2/42

All: 40.561 $\pm$ 0.004 χ^2 /NDF: 1596742.1/82

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.085 $\pm$ 189.043 χ^2 /NDF: 24.2/16

Left Out: 212.876 $\pm$ 71.622 χ^2 /NDF:45.2/23

Right Out: -333.044 $\pm$ 179.692 χ^2 /NDF: 12.5/18

Left In: 31.548 $\pm$ 72.100 χ^2 /NDF:33.4/22

Left: 122.815 $\pm$ 50.813 χ^2 /NDF: 81.7/46

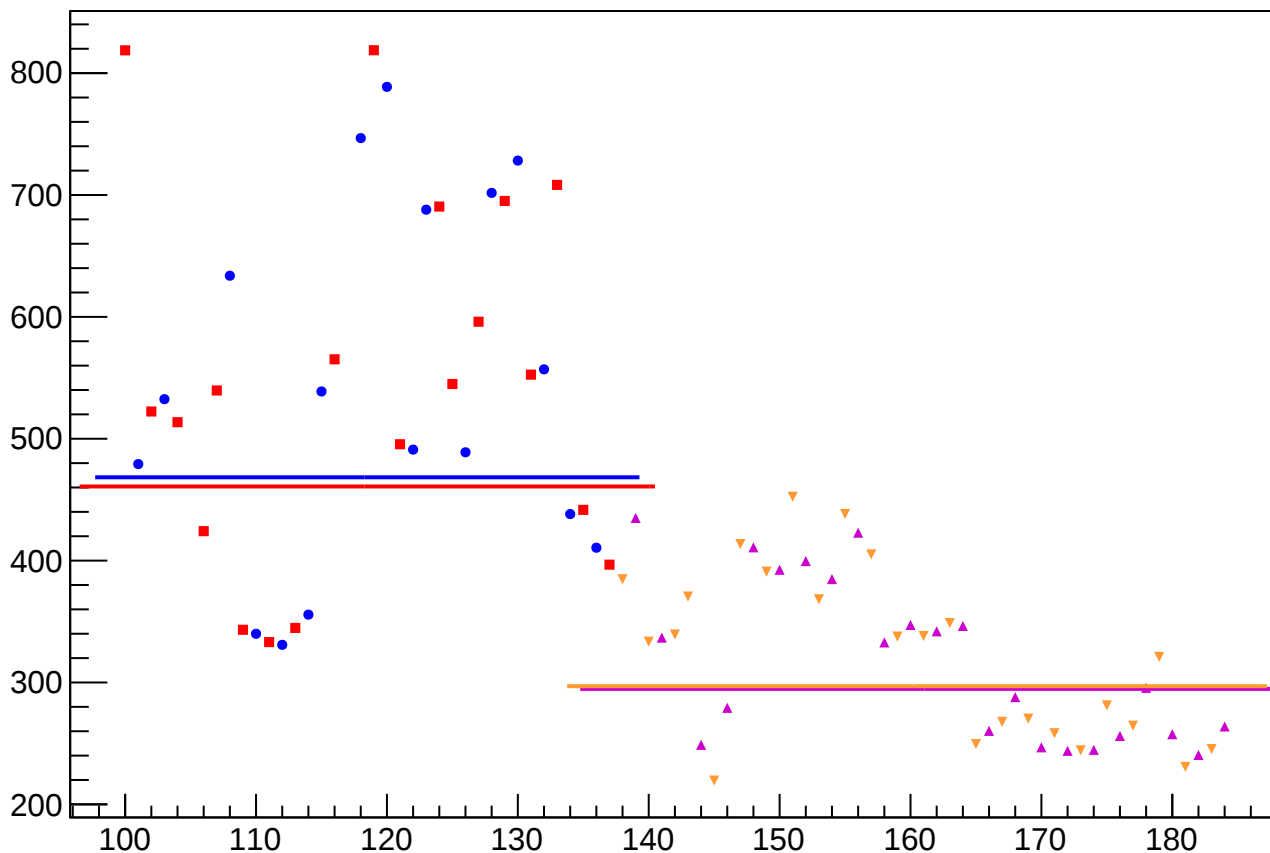
Right: -87.586 $\pm$ 130.242 χ^2 /NDF: 40.6/35

In: 50.919 $\pm$ 67.367 χ^2 /NDF:58.1/39

Out: 138.036 $\pm$ 66.532 χ^2 /NDF:65.7/42

All: 95.021 $\pm$ 47.337 χ^2 /NDF: 124.6/82

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.371+/-0.134 χ^2/NDF : 883769.0/16

Left Out: 296.966+/-0.051 χ^2/NDF :1573833.5/23

Right Out: 460.849+/-0.127 χ^2/NDF : 958126.5/18

Left In: 294.722+/-0.051 χ^2/NDF :1297310.3/22

Left: 295.851+/-0.036 χ^2/NDF : 2872119.0/46

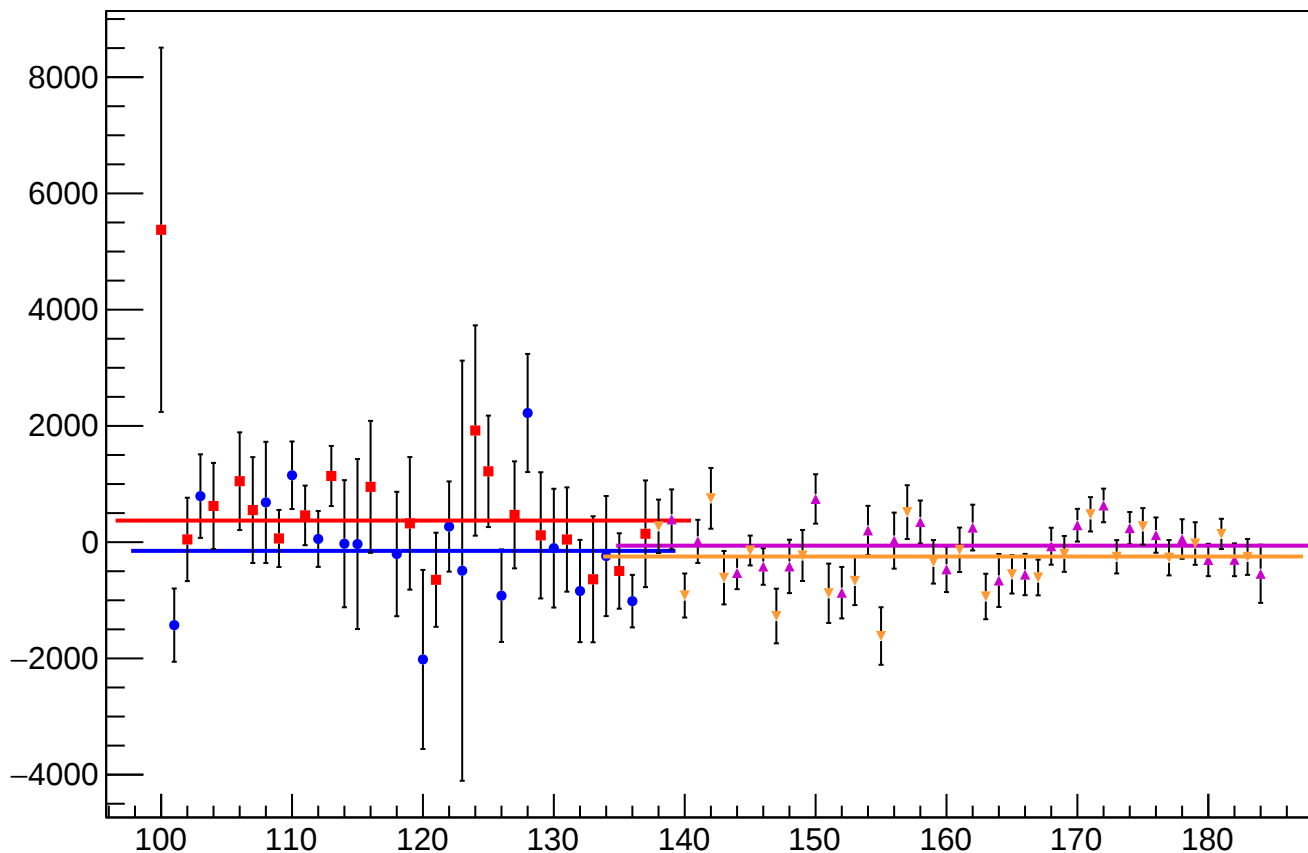
Right: 464.419+/-0.092 χ^2/NDF : 1843559.5/35

In: 316.774+/-0.048 χ^2/NDF :3654324.3/39

Out: 319.432+/-0.047 χ^2/NDF :3967466.9/42

All: 318.120+/-0.033 χ^2/NDF : 7623368.3/82

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -149.502 $\pm$ 190.216 χ^2 /NDF: 24.1/16

Left Out: -246.660 $\pm$ 72.296 χ^2 /NDF:43.4/23

Right Out: 371.735 $\pm$ 181.576 χ^2 /NDF: 12.5/18

Left In: -60.330 $\pm$ 72.788 χ^2 /NDF:30.9/22

Left: -154.127 $\pm$ 51.294 χ^2 /NDF: 77.6/46

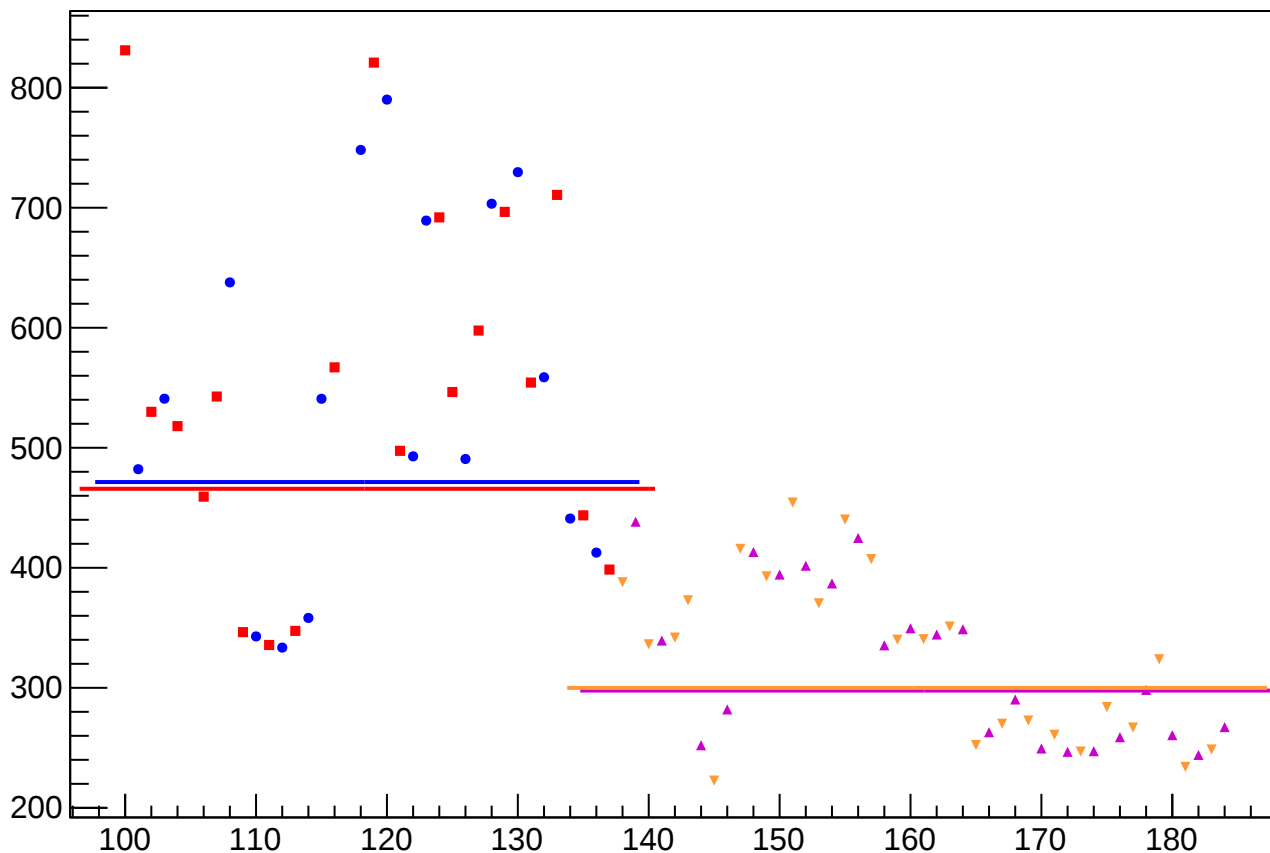
Right: 123.222 $\pm$ 131.342 χ^2 /NDF: 40.5/35

In: -71.719 $\pm$ 67.981 χ^2 /NDF:55.2/39

Out: -162.041 $\pm$ 67.167 χ^2 /NDF:65.9/42

All: -117.424 $\pm$ 47.780 χ^2 /NDF: 122.0/82

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: 299.947 $\pm$ 0.051 χ^2 /NDF:1534941.8/23

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: 298.830 $\pm$ 0.036 χ^2 /NDF: 2802208.0/46

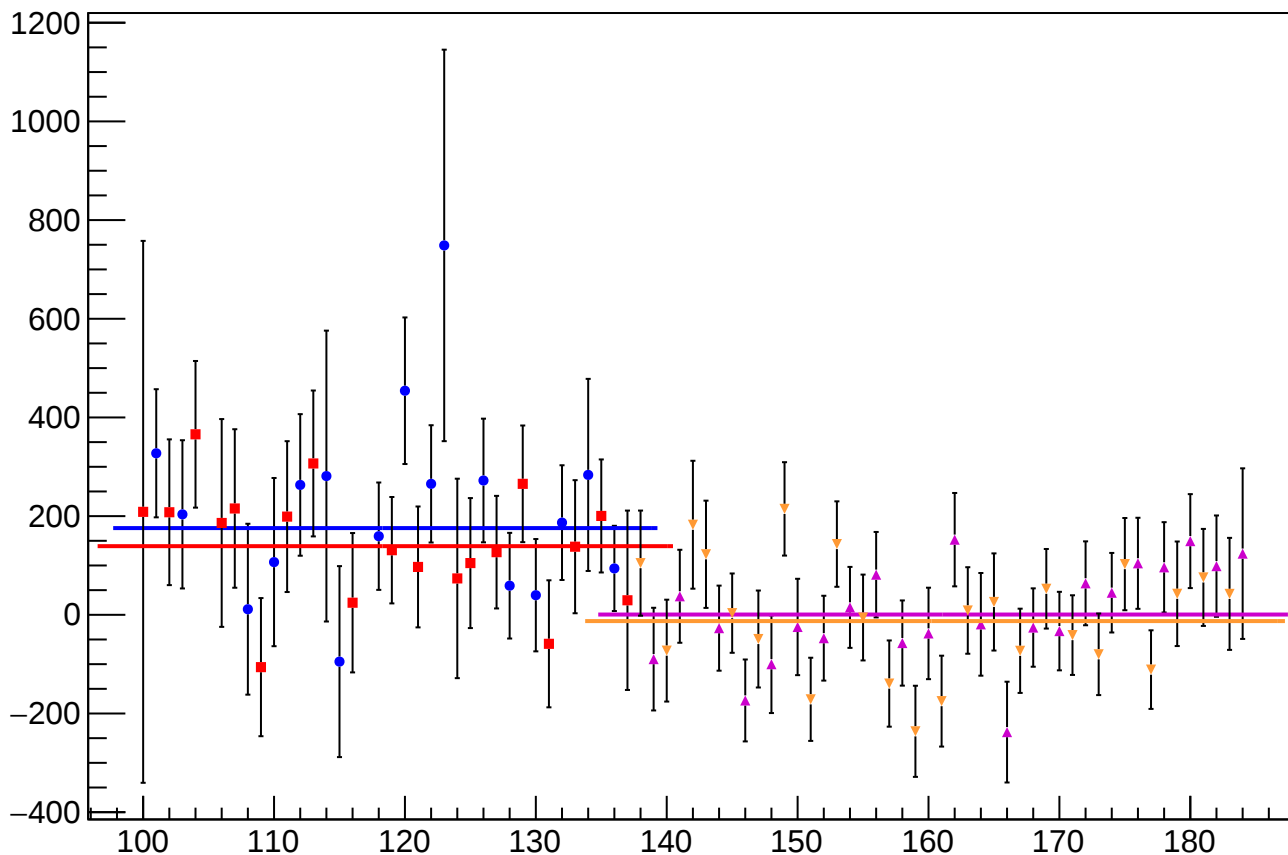
Right: 468.525 $\pm$ 0.093 χ^2 /NDF: 1819776.9/35

In: 319.892 $\pm$ 0.048 χ^2 /NDF:3597208.0/39

Out: 322.649 $\pm$ 0.047 χ^2 /NDF:3919872.3/42

All: 321.287 $\pm$ 0.034 χ^2 /NDF: 7518744.6/82

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: -12.709 $\pm$ 18.782 χ^2 /NDF:35.7/23

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: -6.176 $\pm$ 13.389 χ^2 /NDF: 59.7/46

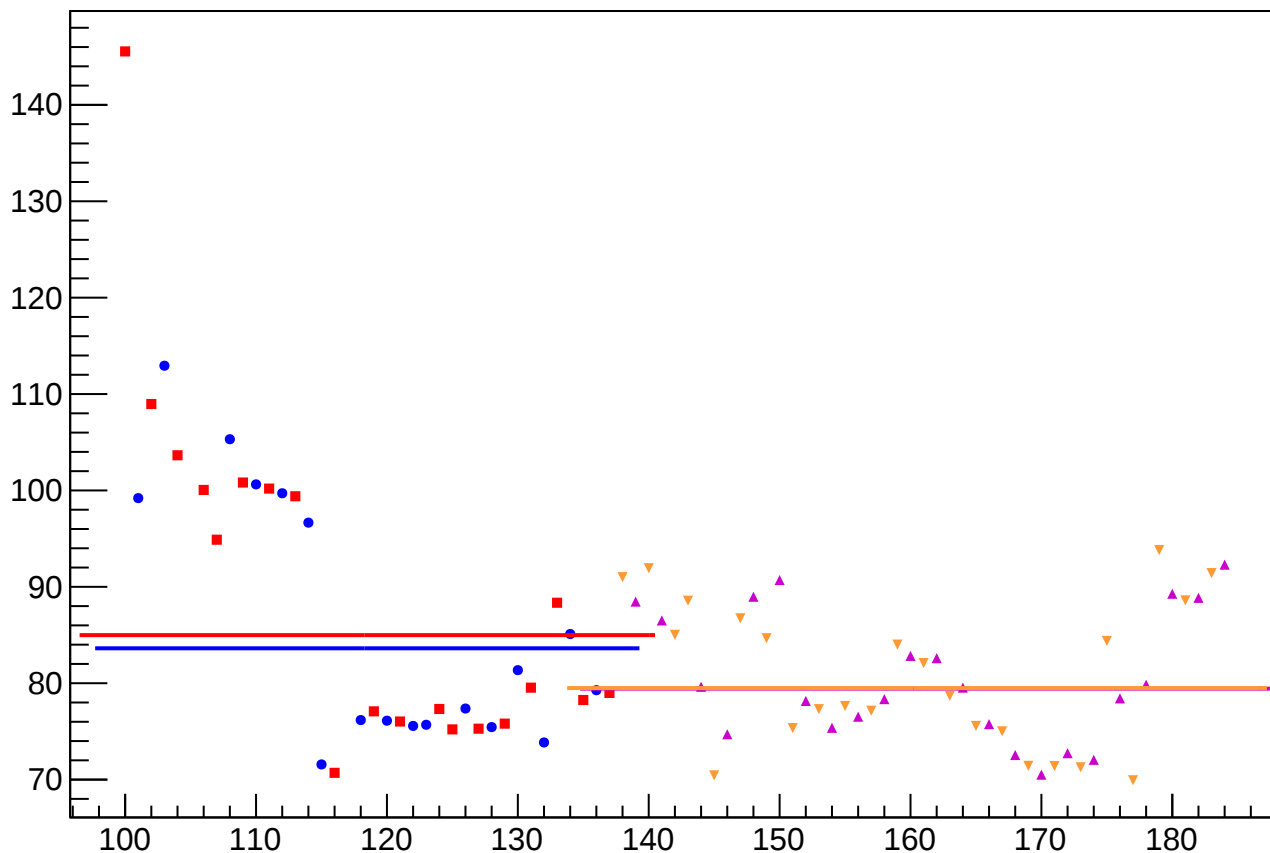
Right: 157.234 $\pm$ 23.075 χ^2 /NDF: 28.6/35

In: 44.842 $\pm$ 16.504 χ^2 /NDF:60.6/39

Out: 25.418 $\pm$ 16.254 χ^2 /NDF:64.6/42

All: 34.982 $\pm$ 11.581 χ^2 /NDF: 125.9/82

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: 79.495 $\pm$ 0.013 χ^2 /NDF: 305732.4/23

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: 79.466 $\pm$ 0.009 χ^2 /NDF: 518182.1/46

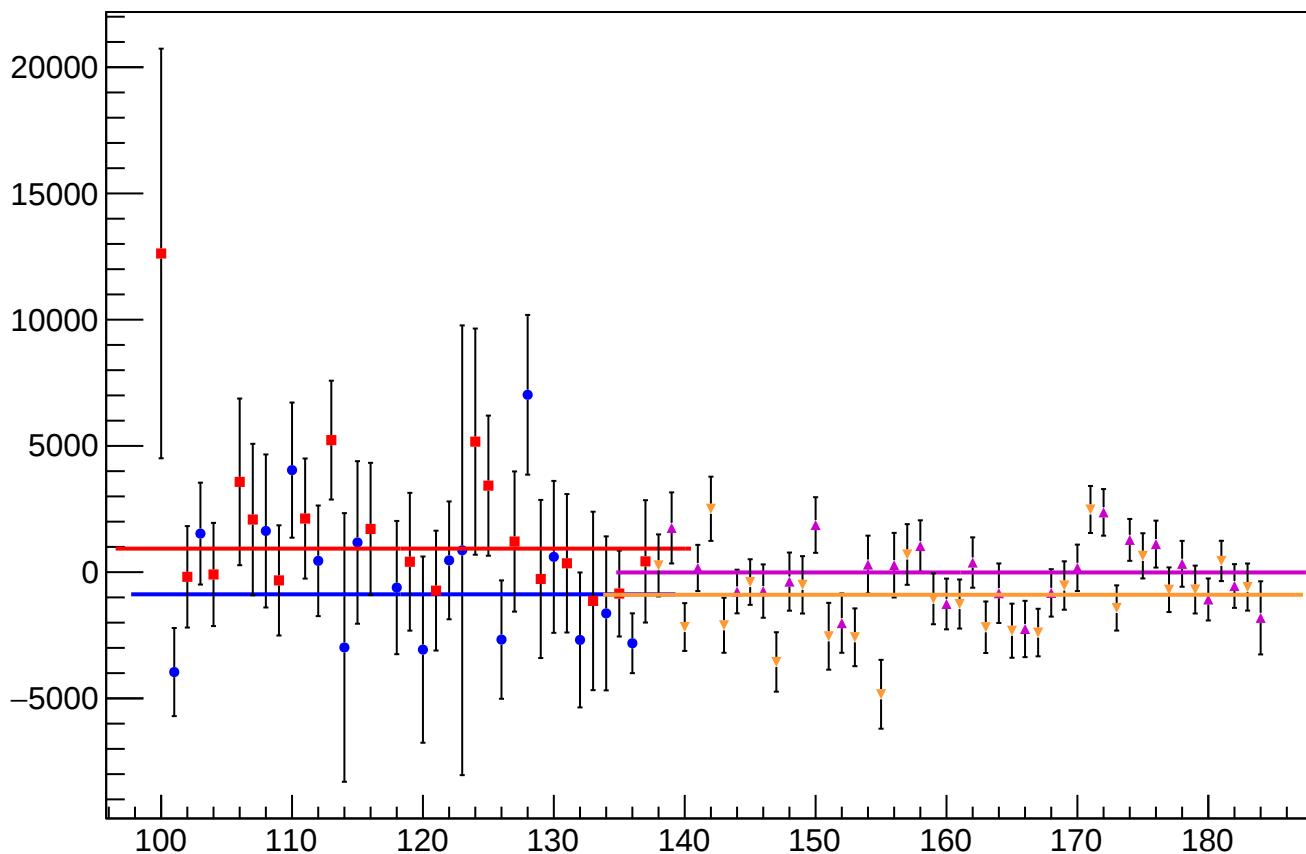
Right: 84.314 $\pm$ 0.016 χ^2 /NDF: 543008.3/35

In: 80.494 $\pm$ 0.012 χ^2 /NDF: 490976.5/39

Out: 80.875 $\pm$ 0.011 χ^2 /NDF: 635706.1/42

All: 80.687 $\pm$ 0.008 χ^2 /NDF: 1127222.7/82

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -877.743+/-584.504 χ^2/NDF : 20.5/16

Left Out: -896.127+/-206.847 χ^2/NDF :56.1/23

Right Out: 932.219+/-590.182 χ^2/NDF : 11.3/18

Left In: -11.687+/-210.073 χ^2/NDF :31.2/22

Left: -460.751+/-147.390 χ^2/NDF : 96.4/46

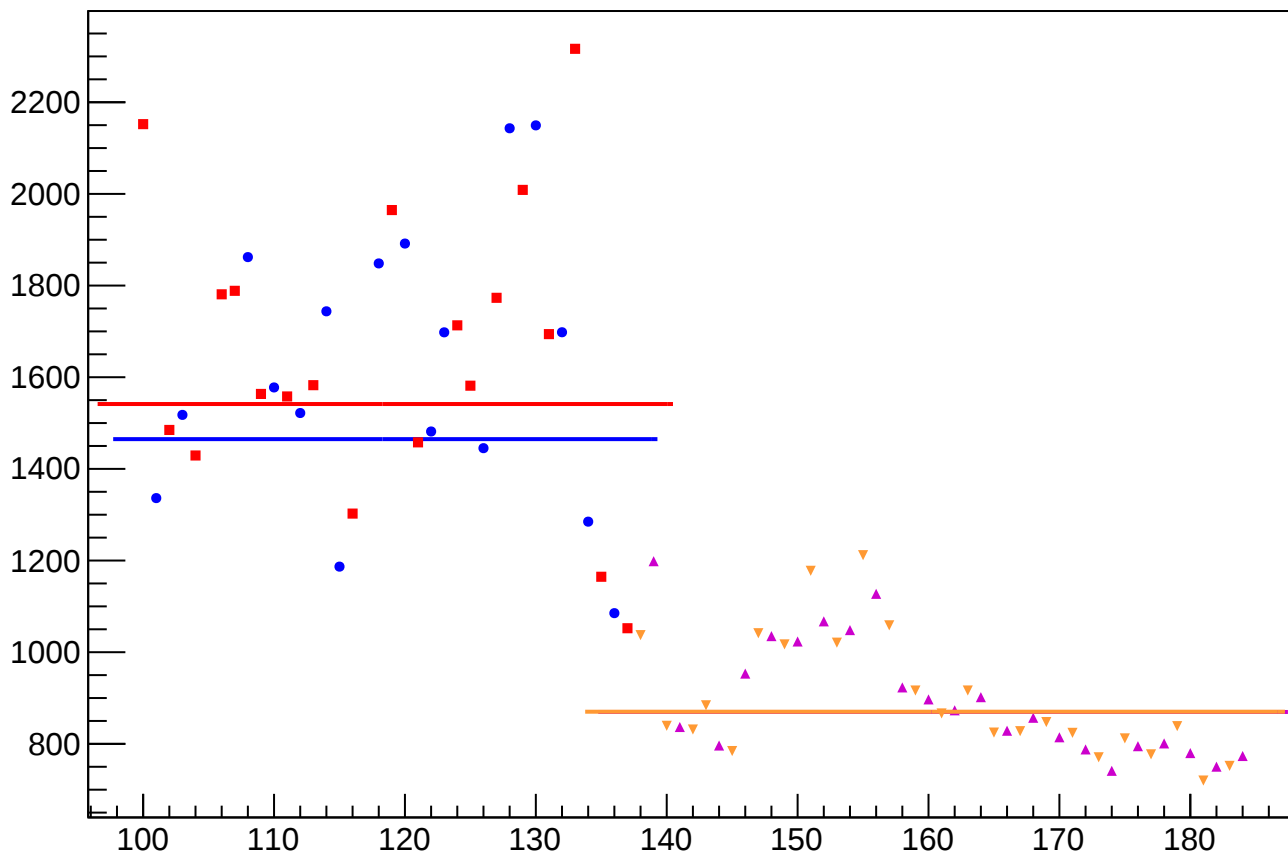
Right: 18.489+/-415.300 χ^2/NDF : 36.6/35

In: -110.760+/-197.693 χ^2/NDF :53.7/39

Out: -696.110+/-195.205 χ^2/NDF :76.0/42

All: -407.141+/-138.902 χ^2/NDF : 134.2/82

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: 870.152 ± 0.146 $\chi^2/\text{NDF}: 634891.4/23$

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: 869.865 ± 0.104 $\chi^2/\text{NDF}: 1217200.5/46$

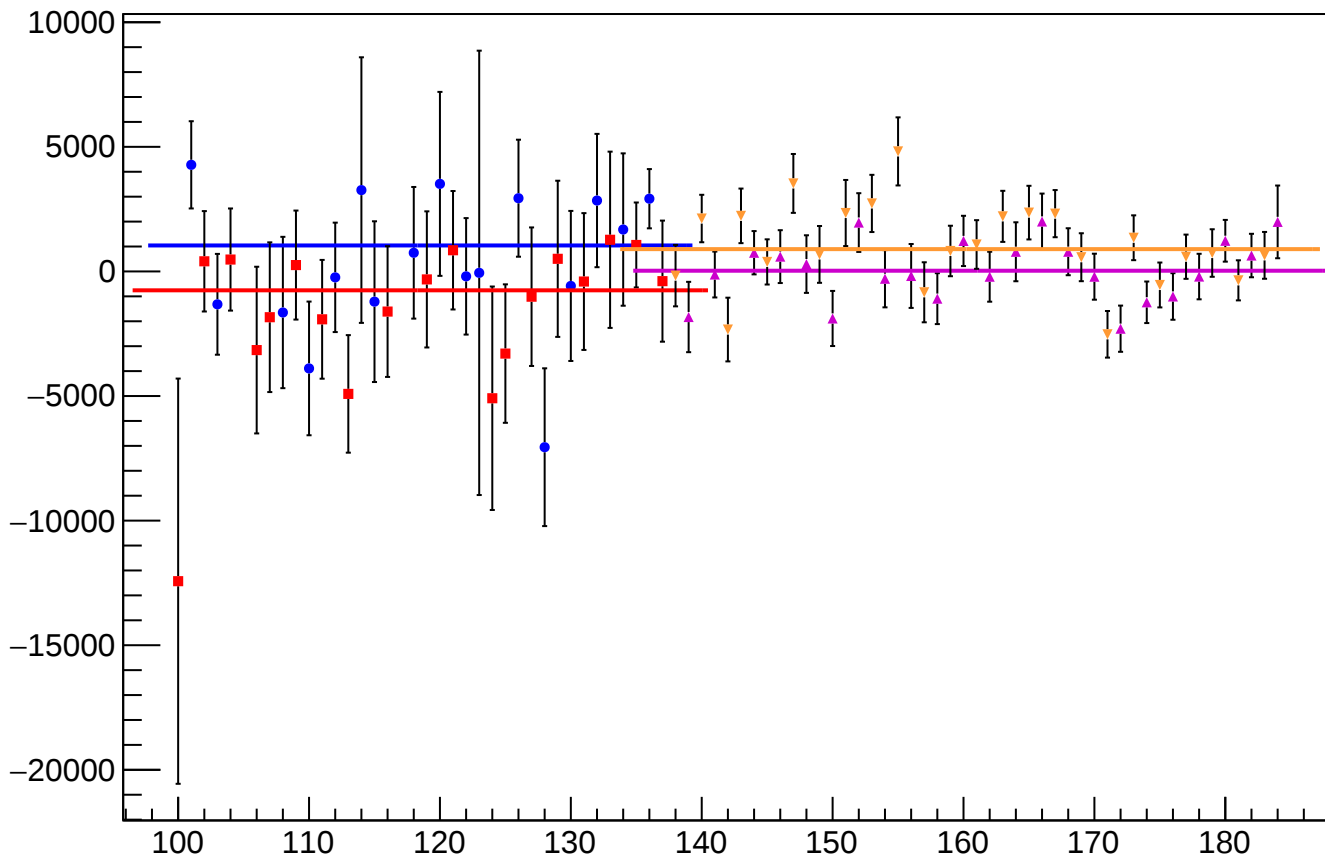
Right: 1502.851 ± 0.294 $\chi^2/\text{NDF}: 1037600.4/35$

In: 937.674 ± 0.140 $\chi^2/\text{NDF}: 2985221.5/39$

Out: 943.599 ± 0.138 $\chi^2/\text{NDF}: 3395105.0/42$

All: 940.674 ± 0.098 $\chi^2/\text{NDF}: 6381235.9/82$

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1042.489+/-585.716 χ^2/NDF : 21.2/16

Left Out: 895.281+/-207.807 χ^2/NDF : 54.4/23

Right Out: -758.067+/-591.504 χ^2/NDF : 11.0/18

Left In: 28.553+/-211.034 χ^2/NDF : 29.7/22

Left: 468.593+/-148.070 χ^2/NDF : 92.7/46

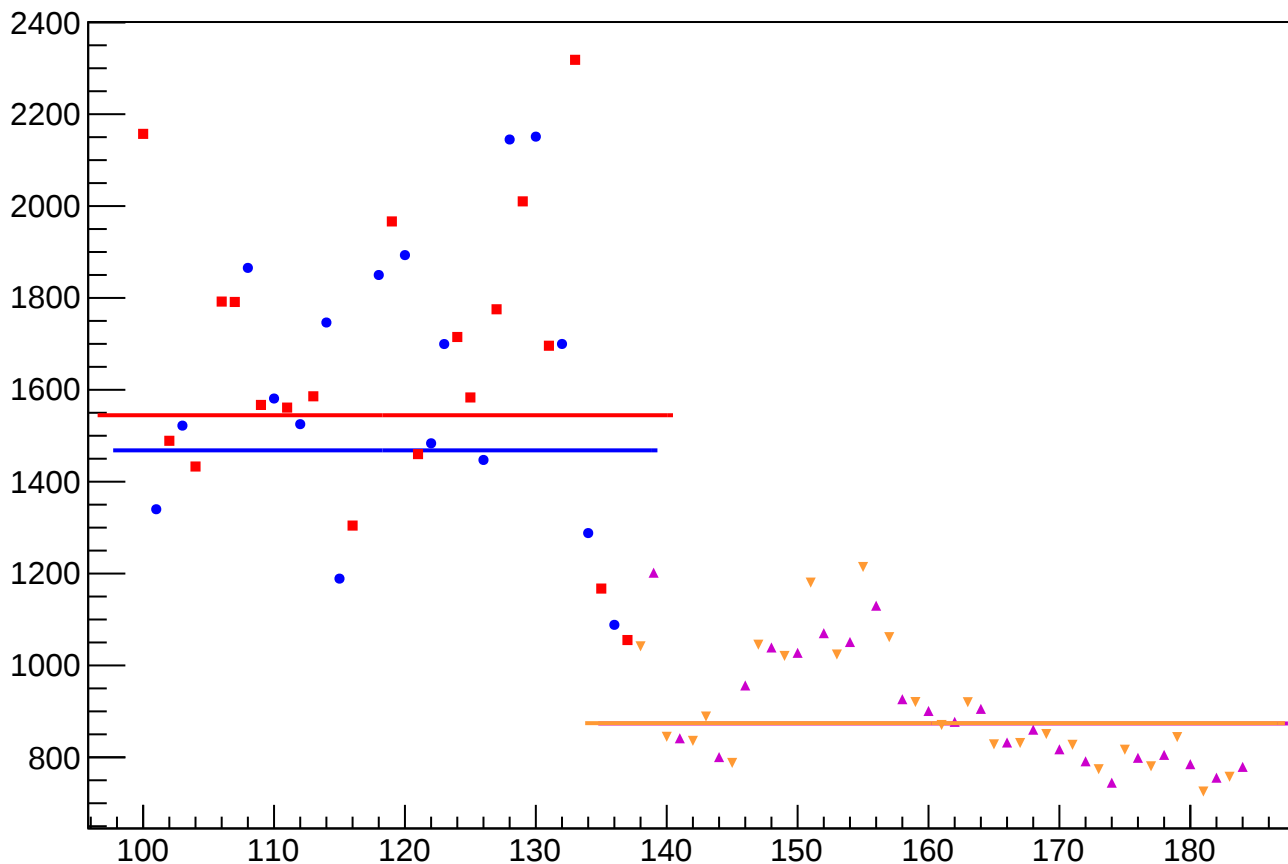
Right: 151.064+/-416.195 χ^2/NDF : 36.9/35

In: 145.055+/-198.540 χ^2/NDF : 53.6/39

Out: 713.635+/-196.060 χ^2/NDF : 72.3/42

All: 432.918+/-139.504 χ^2/NDF : 130.1/82

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1468.195 +/- 0.414 χ^2/NDF : 561893.4/16

Left Out: 874.342 +/- 0.147 χ^2/NDF : 625424.8/23

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: 874.014 +/- 0.105 χ^2/NDF : 1199257.4/46

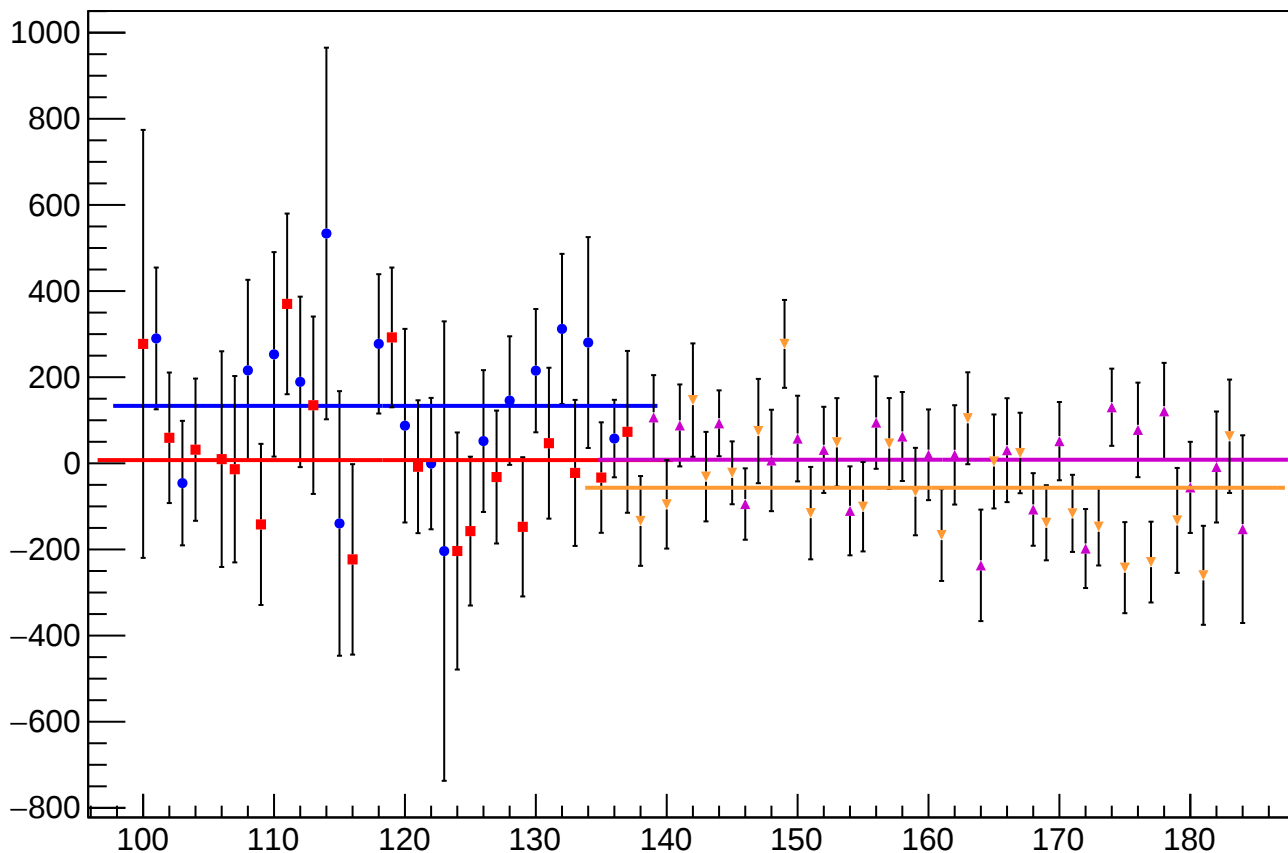
Right: 1506.048 +/- 0.294 χ^2/NDF : 1032108.6/35

In: 941.986 +/- 0.140 χ^2/NDF : 2959531.7/39

Out: 947.986 +/- 0.139 χ^2/NDF : 3365013.3/42

All: 945.024 +/- 0.099 χ^2/NDF : 6325469.9/82

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 133.408 ± 41.705 χ^2/NDF : 9.3/16

Left Out: -56.710 ± 20.815 χ^2/NDF : 35.3/23

Right Out: 7.495 ± 41.511 χ^2/NDF : 11.4/18

Left In: 8.343 ± 21.271 χ^2/NDF : 22.0/22

Left: -24.889 ± 14.877 χ^2/NDF : 62.1/46

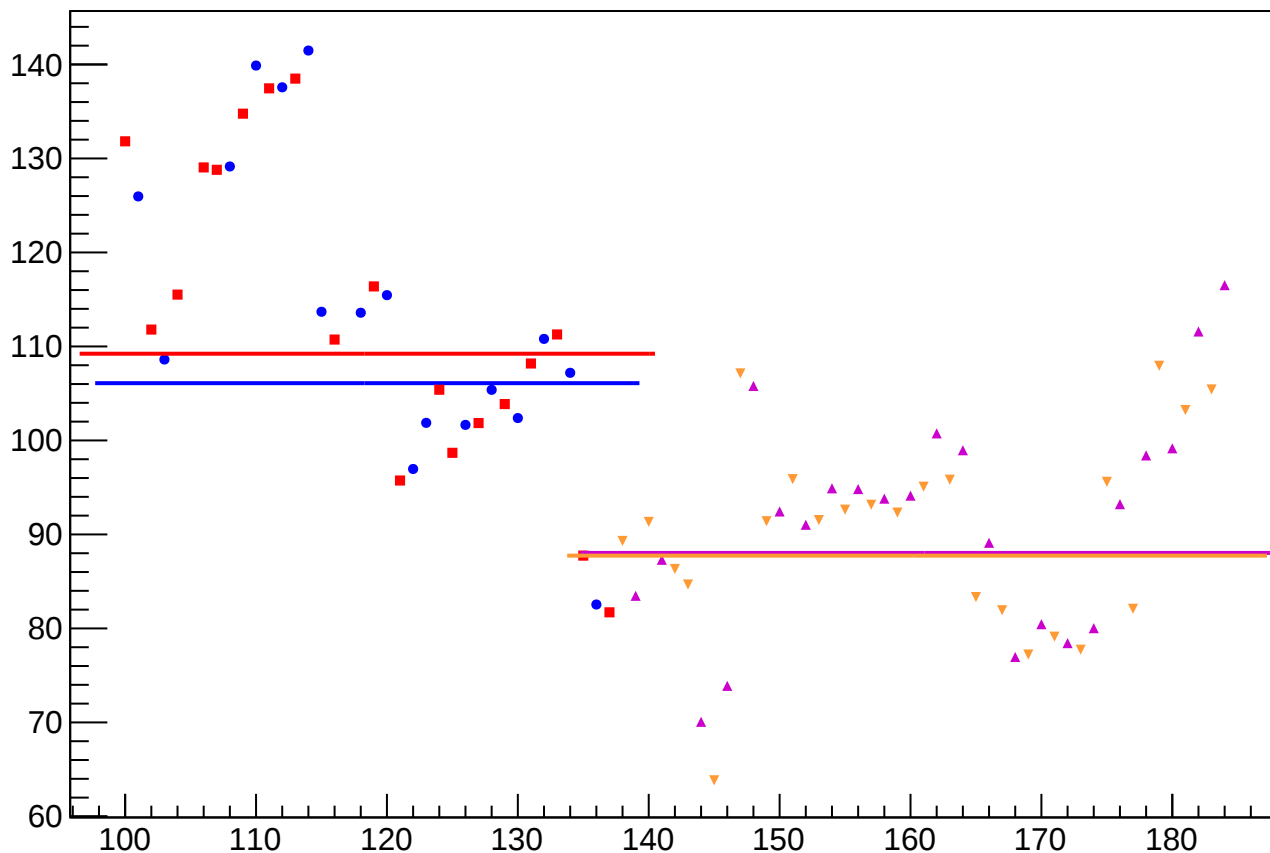
Right: 70.159 ± 29.421 χ^2/NDF : 25.3/35

In: 34.161 ± 18.949 χ^2/NDF : 38.4/39

Out: -43.811 ± 18.607 χ^2/NDF : 48.6/42

All: -5.535 ± 13.276 χ^2/NDF : 95.7/82

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: 87.744 $\pm$ 0.015 χ^2 /NDF: 551146.5/23

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: 87.885 $\pm$ 0.011 χ^2 /NDF: 1075045.2/46

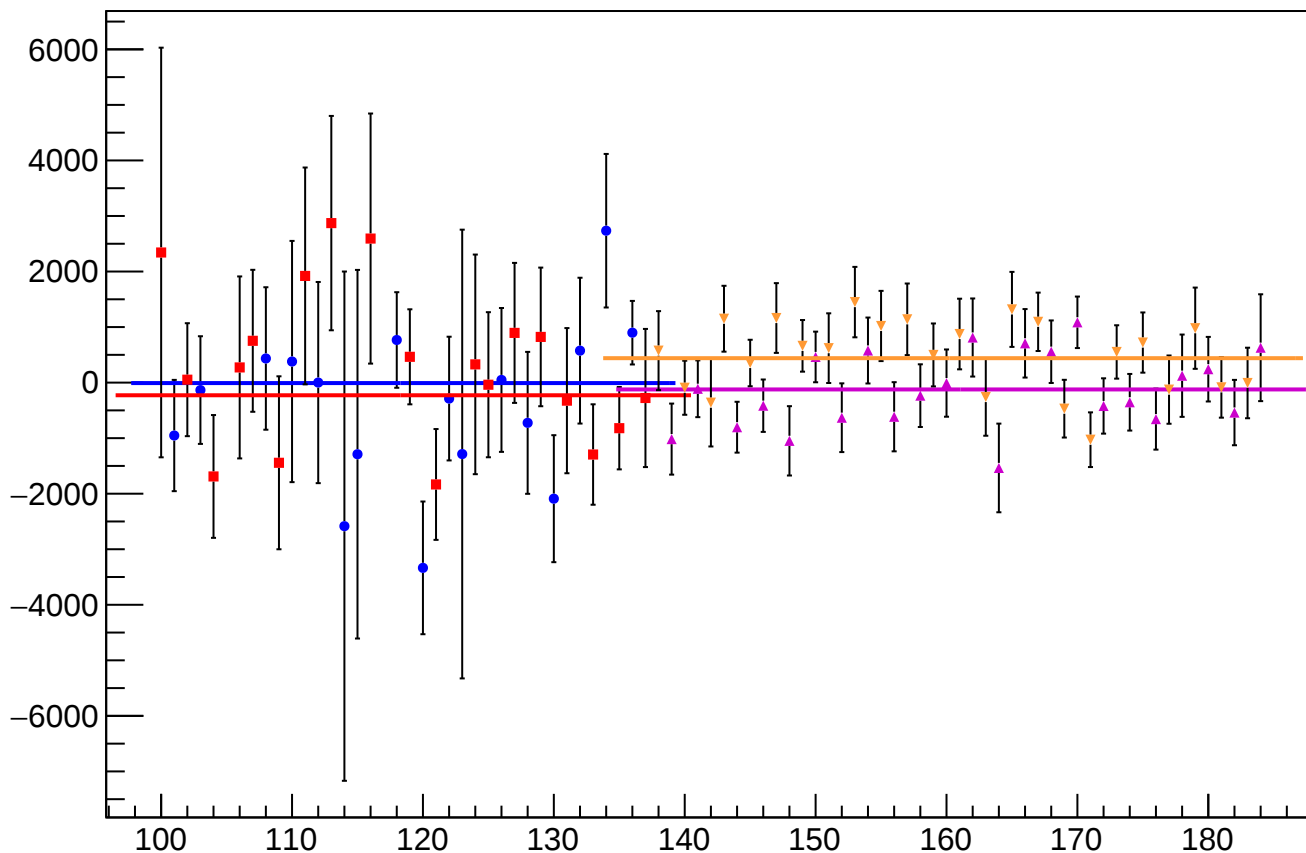
Right: 107.667 $\pm$ 0.021 χ^2 /NDF: 605344.1/35

In: 91.761 $\pm$ 0.013 χ^2 /NDF: 1137489.4/39

Out: 92.060 $\pm$ 0.013 χ^2 /NDF: 1262747.3/42

All: 91.913 $\pm$ 0.009 χ^2 /NDF: 2400490.6/82

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: 439.881 ± 117.166 χ^2/NDF : 29.8/23

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: 162.446 ± 83.438 χ^2/NDF : 70.4/46

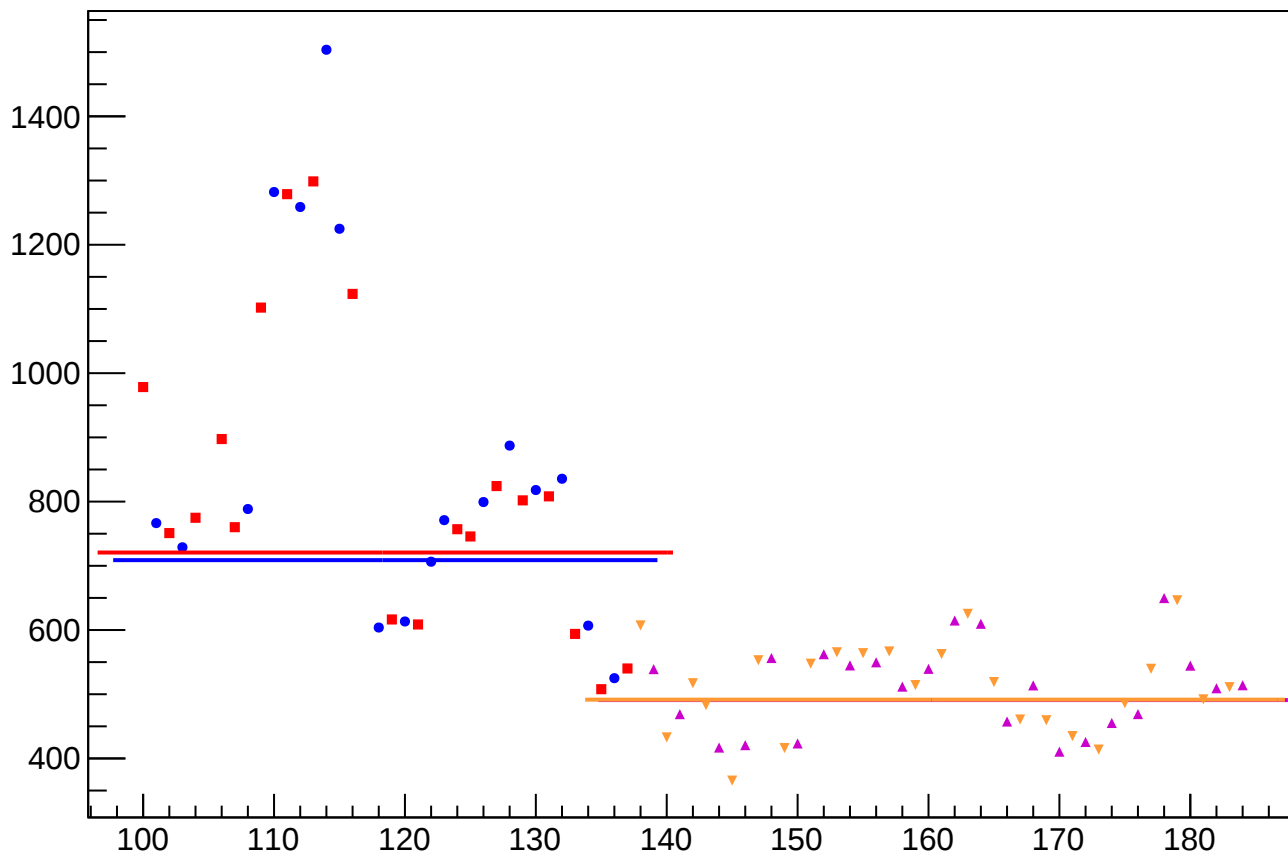
Right: -119.663 ± 199.533 χ^2/NDF : 36.7/35

In: -105.947 ± 109.651 χ^2/NDF : 49.9/39

Out: 340.475 ± 108.093 χ^2/NDF : 50.4/42

All: 120.458 ± 76.978 χ^2/NDF : 108.8/82

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: 491.551 $\pm$ 0.083 χ^2 /NDF: 736492.0/23

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: 491.235 $\pm$ 0.059 χ^2 /NDF: 1325757.1/46

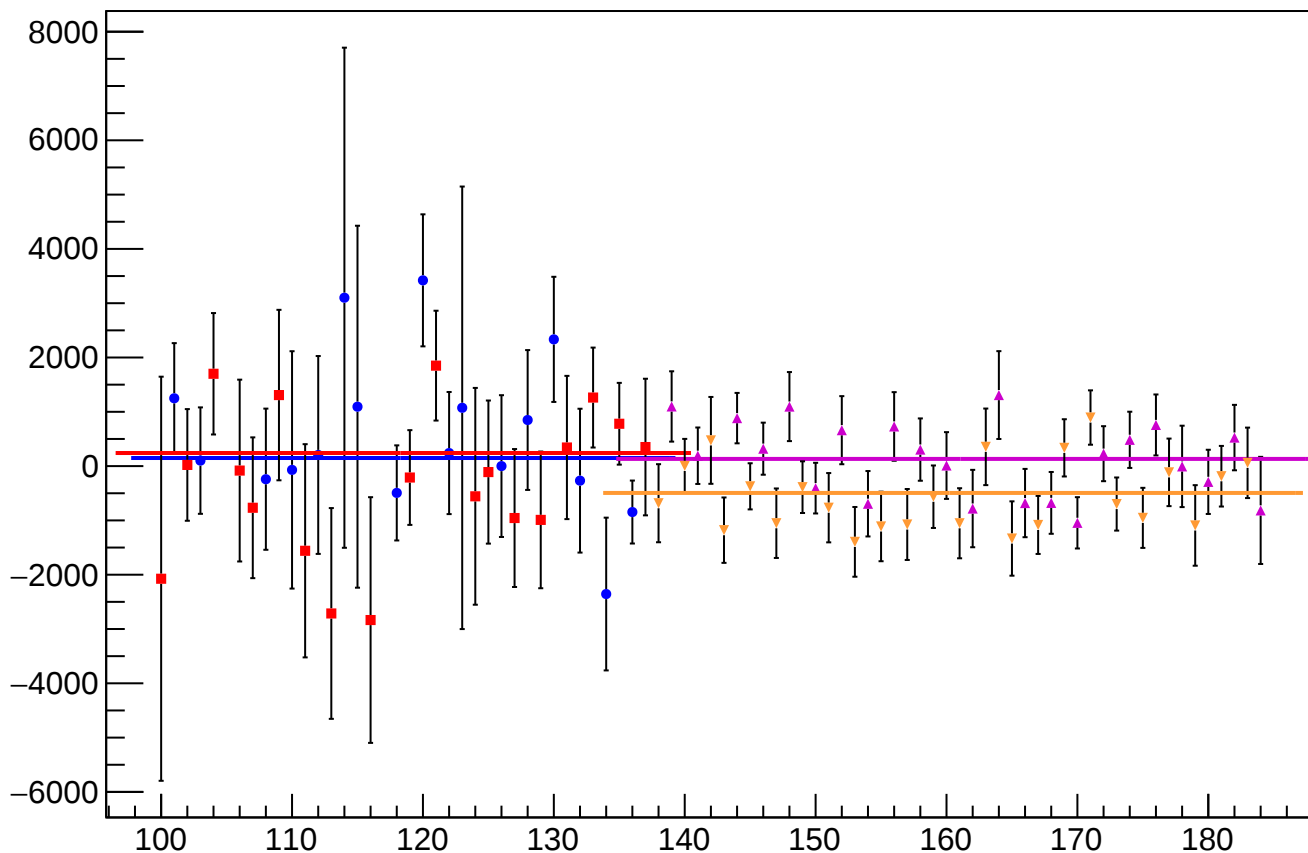
Right: 714.837 $\pm$ 0.141 χ^2 /NDF: 1697118.2/35

In: 523.333 $\pm$ 0.078 χ^2 /NDF: 2383130.6/39

Out: 525.663 $\pm$ 0.076 χ^2 /NDF: 2777074.4/42

All: 524.515 $\pm$ 0.054 χ^2 /NDF: 5160663.2/82

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: -494.118 $\pm$ 119.142 χ^2 /NDF:26.6/23

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: -185.288 $\pm$ 84.849 χ^2 /NDF: 69.8/46

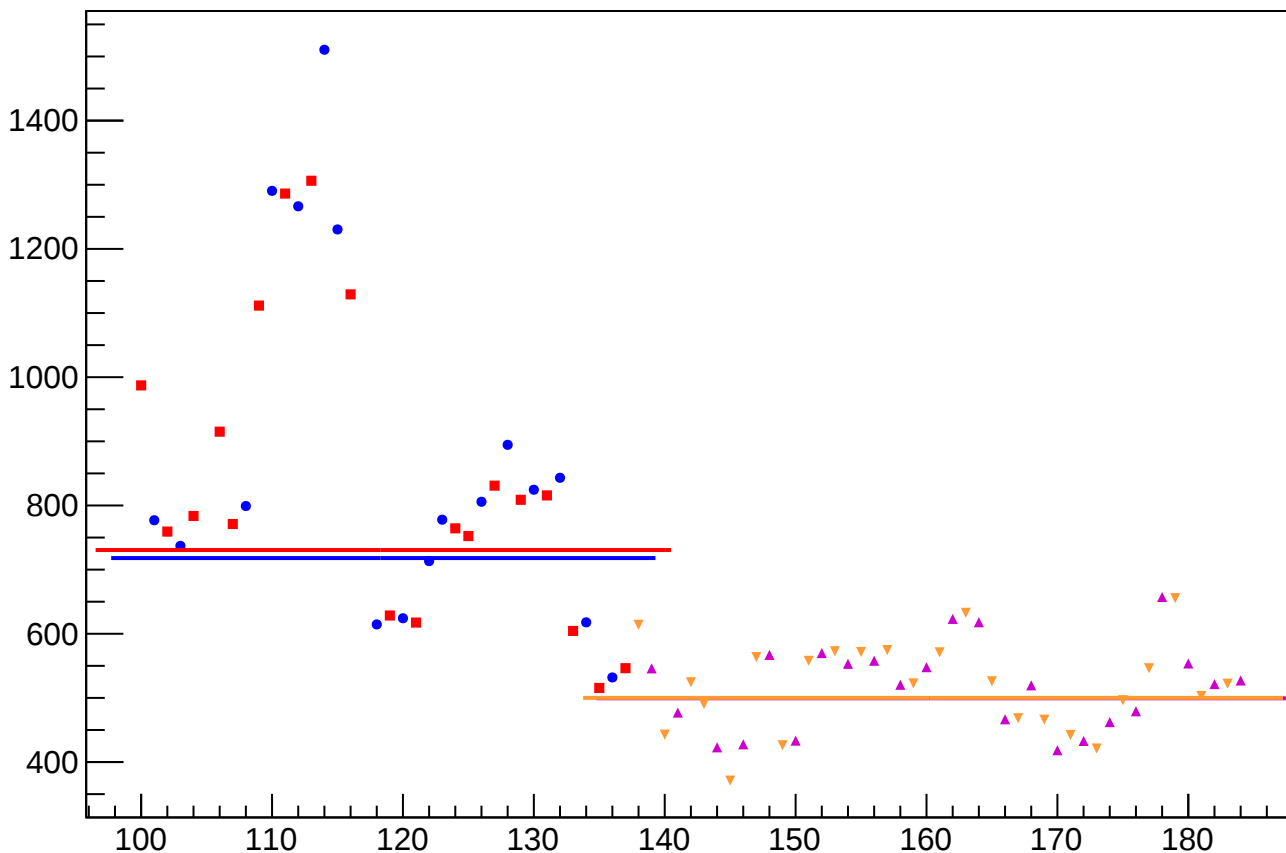
Right: 195.800 $\pm$ 202.053 χ^2 /NDF: 34.7/35

In: 135.028 $\pm$ 111.435 χ^2 /NDF:49.3/39

Out: -383.930 $\pm$ 109.853 χ^2 /NDF:47.2/42

All: -128.159 $\pm$ 78.231 χ^2 /NDF: 107.5/82

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: 500.054 $\pm$ 0.084 χ^2/NDF : 720760.3/23

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: 499.728 $\pm$ 0.060 χ^2/NDF : 1297329.8/46

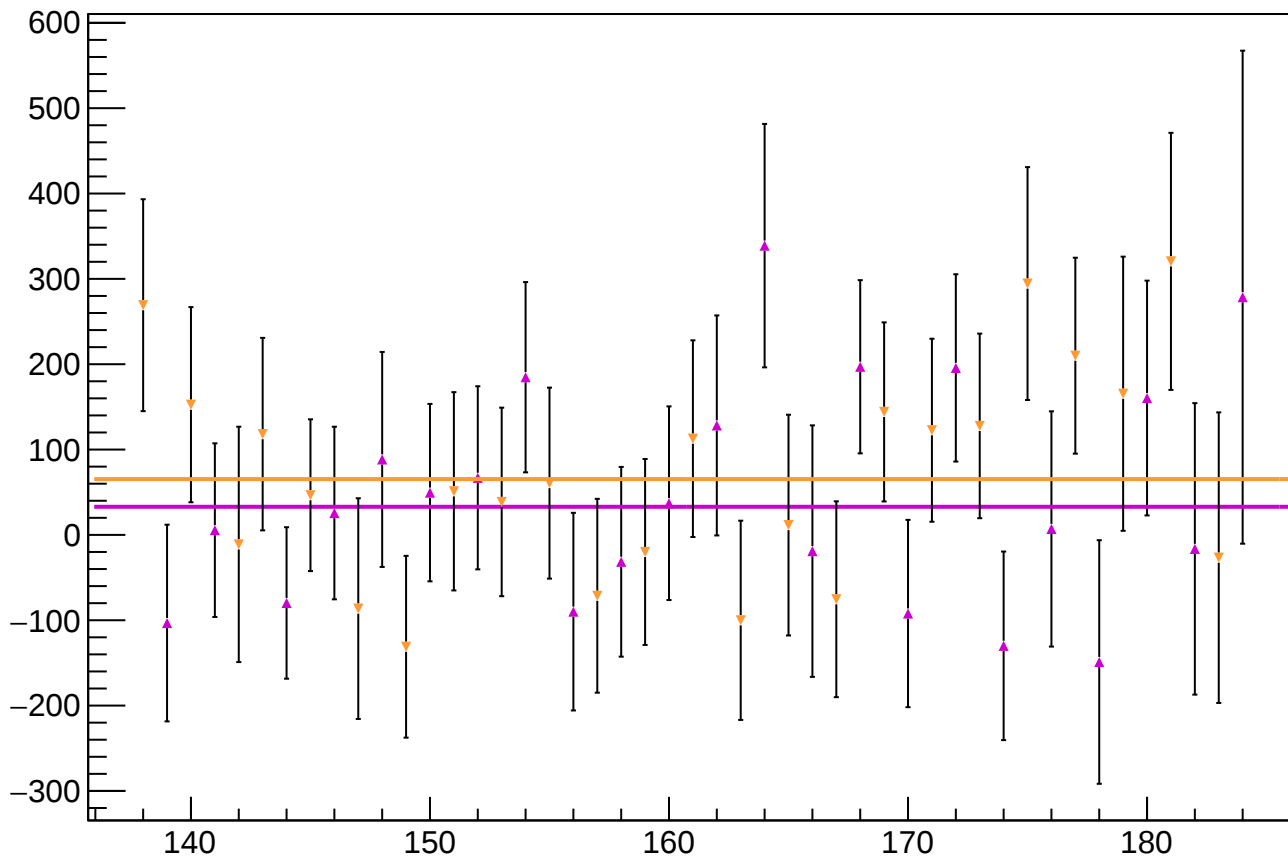
Right: 724.366 $\pm$ 0.143 χ^2/NDF : 1664060.5/35

In: 532.180 $\pm$ 0.079 χ^2/NDF : 2336346.0/39

Out: 534.593 $\pm$ 0.078 χ^2/NDF : 2726071.5/42

All: 533.404 $\pm$ 0.055 χ^2/NDF : 5062892.9/82

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 65.388+/-23.977 χ^2/NDF :23.8/23

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: 49.576+/-17.166 χ^2/NDF : 48.3/46

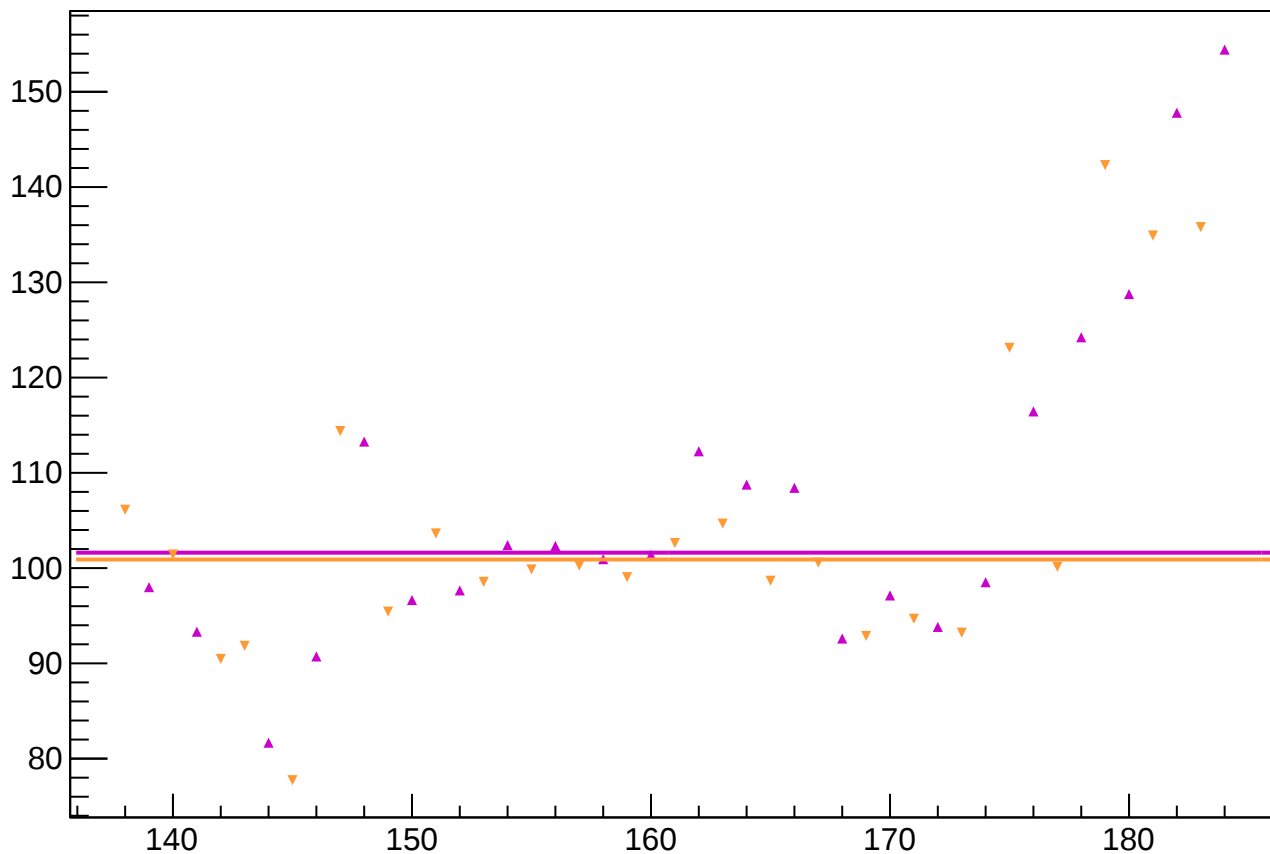
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 32.948+/-24.587 χ^2/NDF :23.6/22

Out: 65.388+/-23.977 χ^2/NDF :23.8/23

All: 49.576+/-17.166 χ^2/NDF : 48.3/46

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 100.902+/-0.017 χ^2/NDF : 597237.6/23

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: 101.253+/-0.012 χ^2/NDF : 1180445.1/46

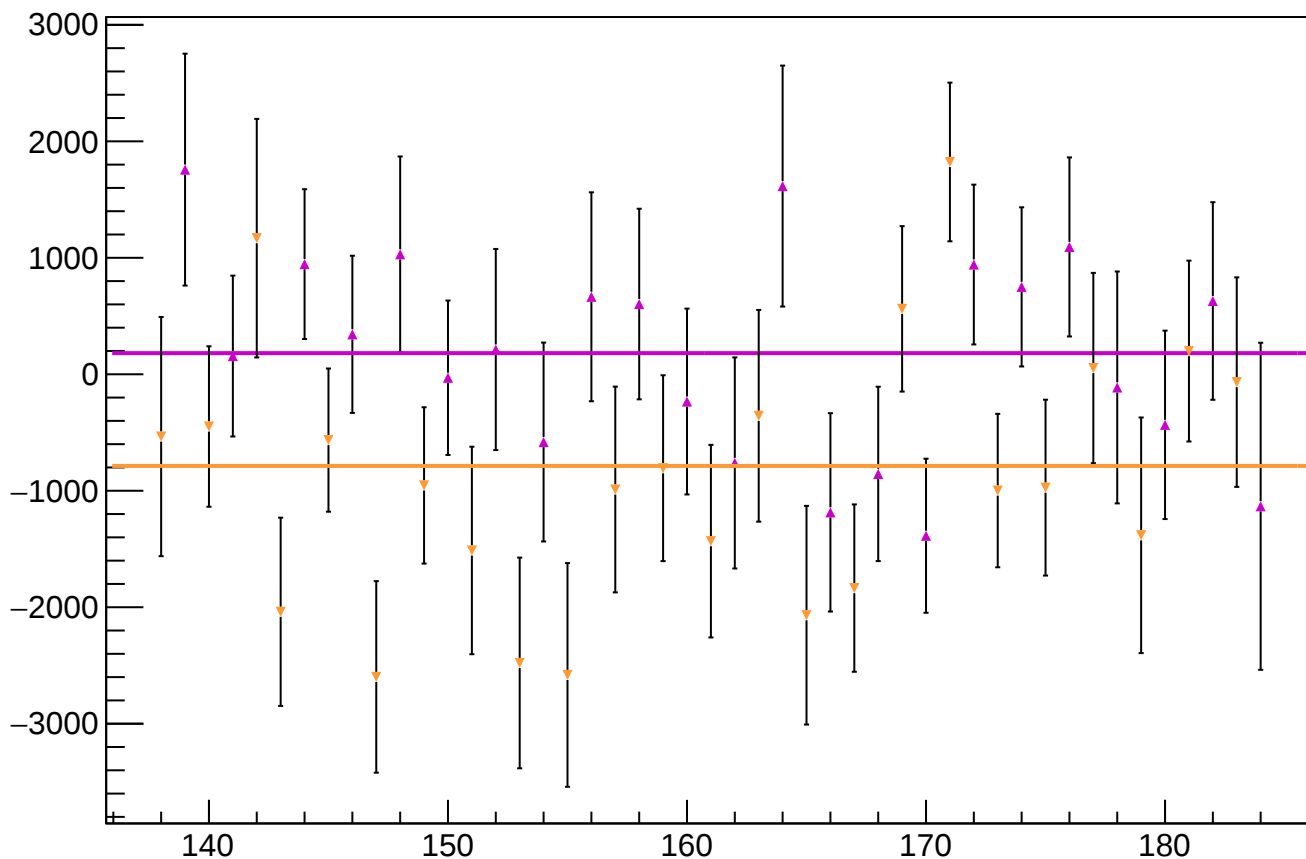
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 101.622+/-0.017 χ^2/NDF : 582329.3/22

Out: 100.902+/-0.017 χ^2/NDF : 597237.6/23

All: 101.253+/-0.012 χ^2/NDF : 1180445.1/46

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -786.991+/-163.035 χ^2/NDF :46.0/23

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

Left In: 181.584+/-165.671 χ^2/NDF :25.0/22

Left: -310.470+/-116.204 χ^2/NDF : 88.4/46

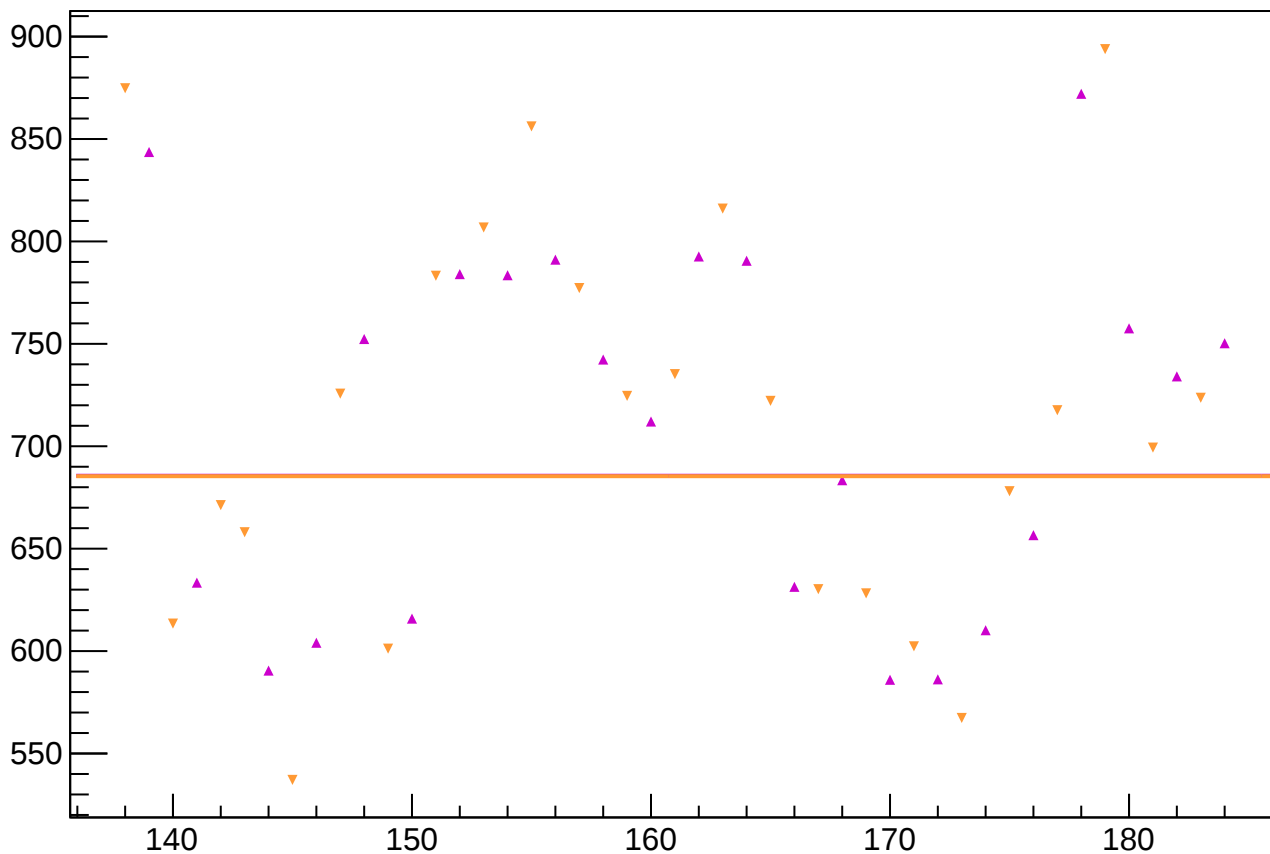
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 181.584+/-165.671 χ^2/NDF :25.0/22

Out: -786.991+/-163.035 χ^2/NDF :46.0/23

All: -310.470+/-116.204 χ^2/NDF : 88.4/46

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 685.387+/-0.115 χ^2/NDF : 658022.4/23

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: 685.488+/-0.082 χ^2/NDF : 1187377.6/46

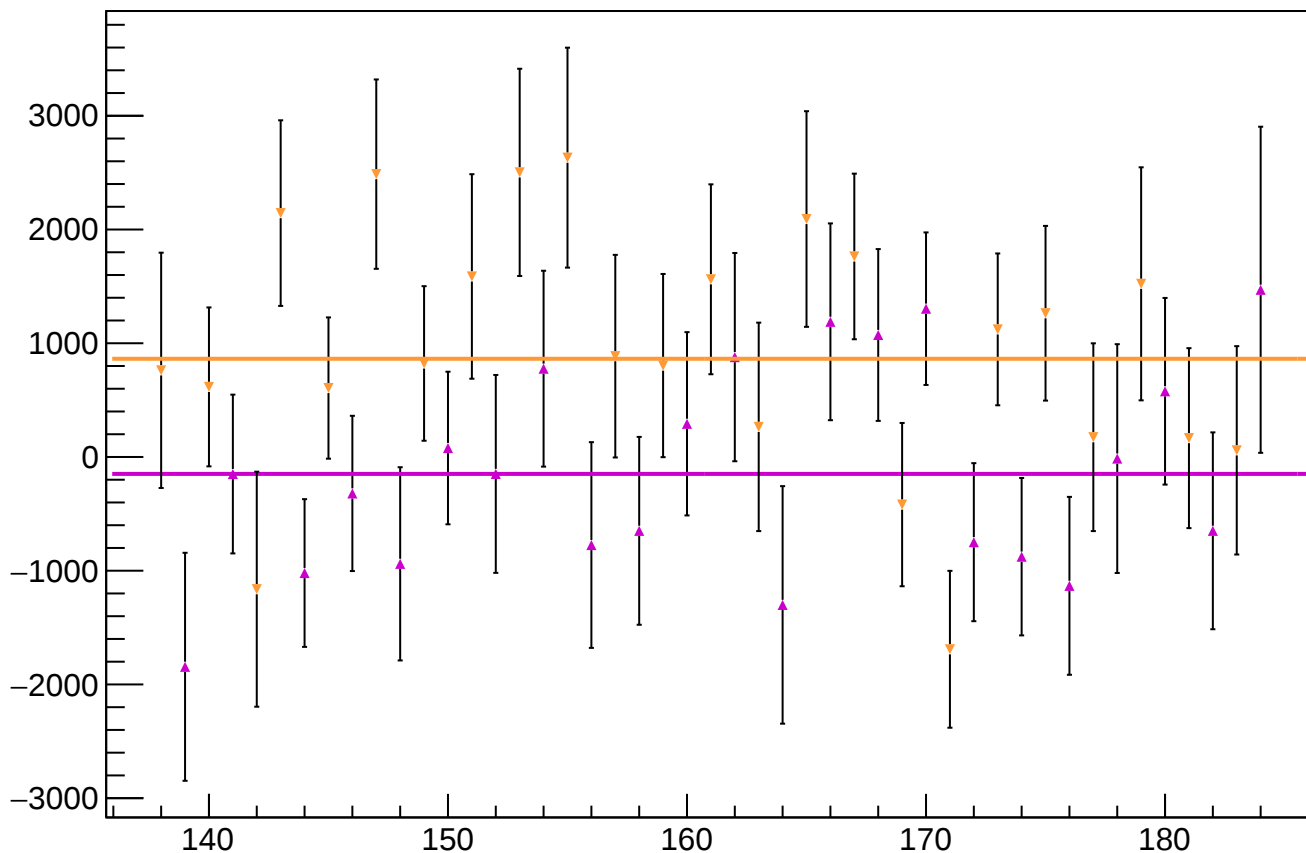
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 685.593+/-0.117 χ^2/NDF : 529353.6/22

Out: 685.387+/-0.115 χ^2/NDF : 658022.4/23

All: 685.488+/-0.082 χ^2/NDF : 1187377.6/46

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 863.592+/-164.955 χ^2/NDF :42.0/23

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: 365.573+/-117.580 χ^2/NDF : 86.5/46

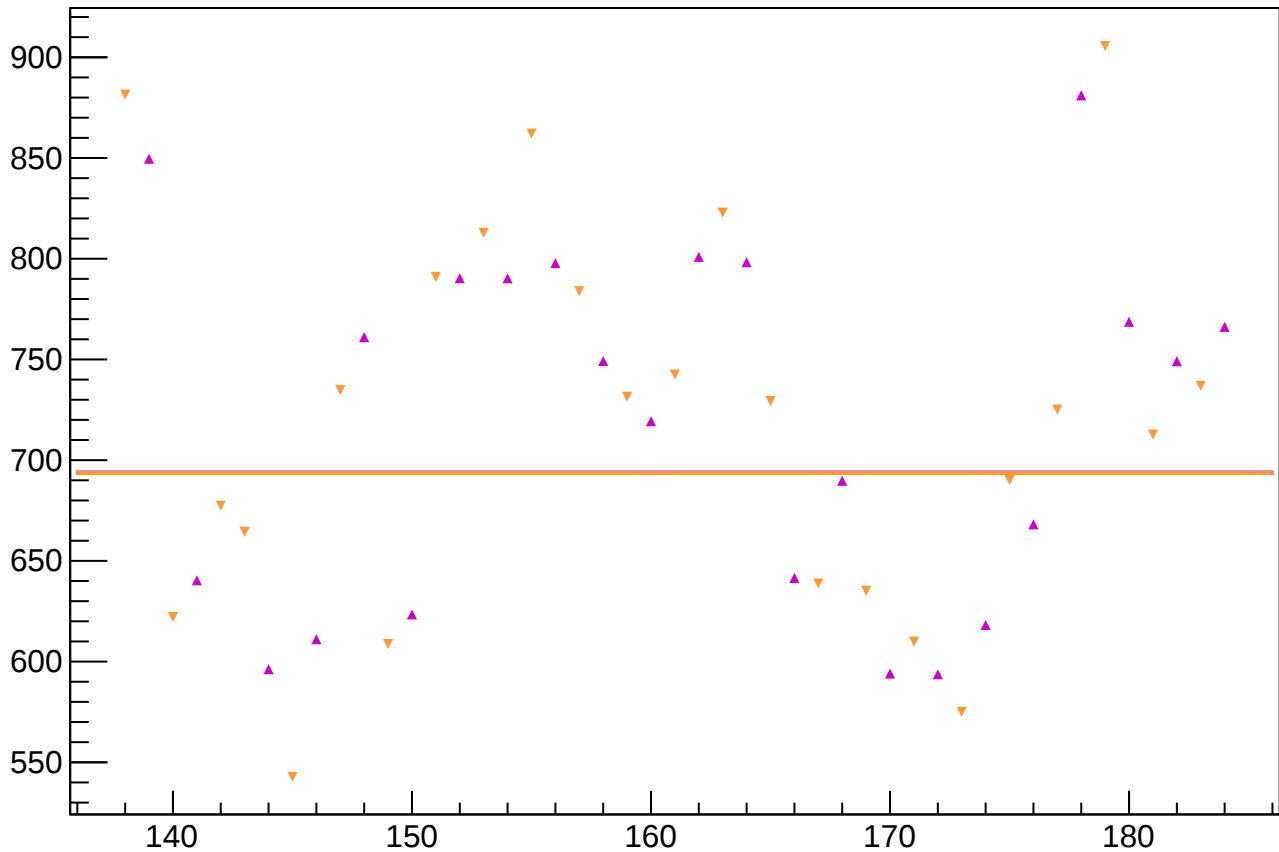
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -148.814+/-167.644 χ^2/NDF :26.0/22

Out: 863.592+/-164.955 χ^2/NDF :42.0/23

All: 365.573+/-117.580 χ^2/NDF : 86.5/46

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 693.612+/-0.117 χ^2/NDF : 648276.9/23

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: 693.737+/-0.083 χ^2/NDF : 1170332.8/46

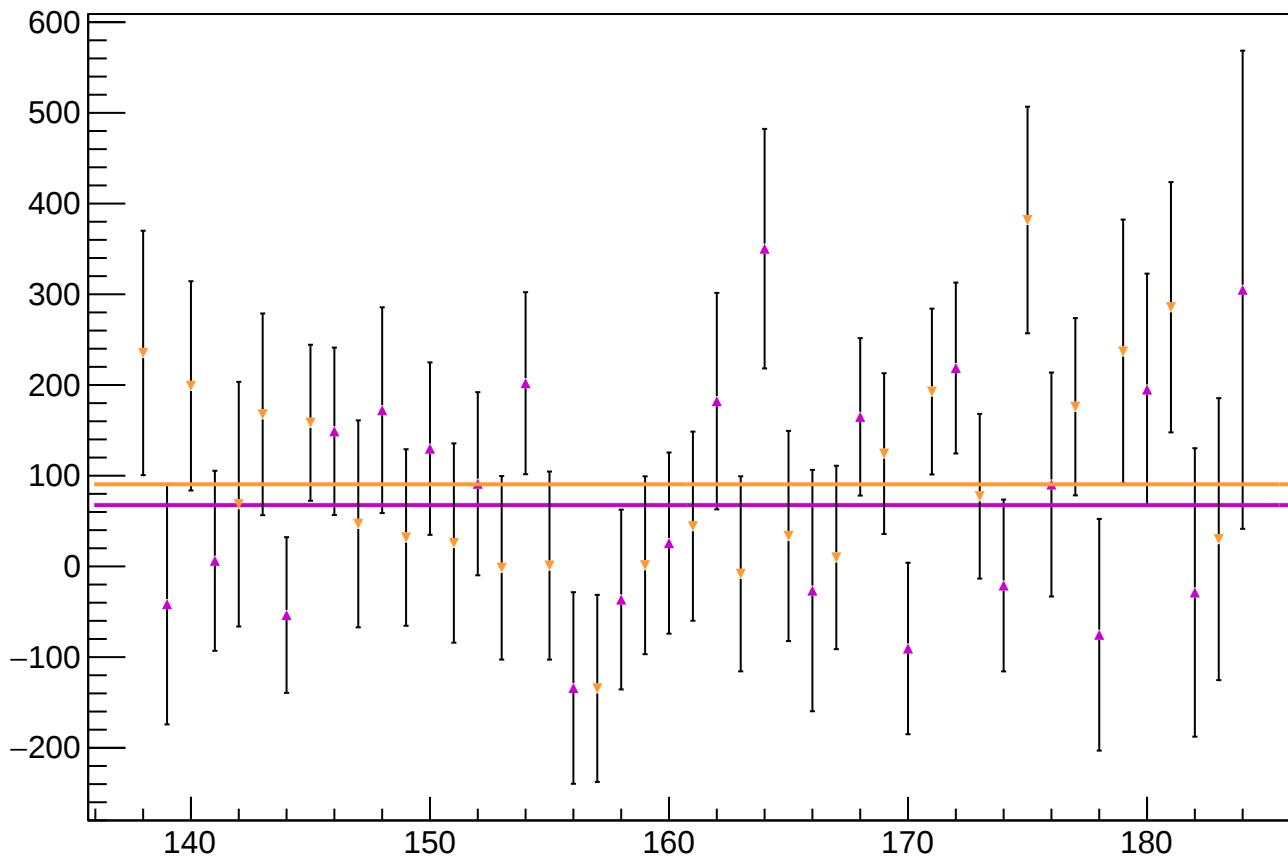
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

Out: 693.612+/-0.117 χ^2/NDF : 648276.9/23

All: 693.737+/-0.083 χ^2/NDF : 1170332.8/46

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 90.520 $\pm$ 21.902 χ^2 /NDF:23.9/23

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

Left In: 67.552 $\pm$ 22.449 χ^2 /NDF:28.9/22

Left: 79.319 $\pm$ 15.677 χ^2 /NDF: 53.3/46

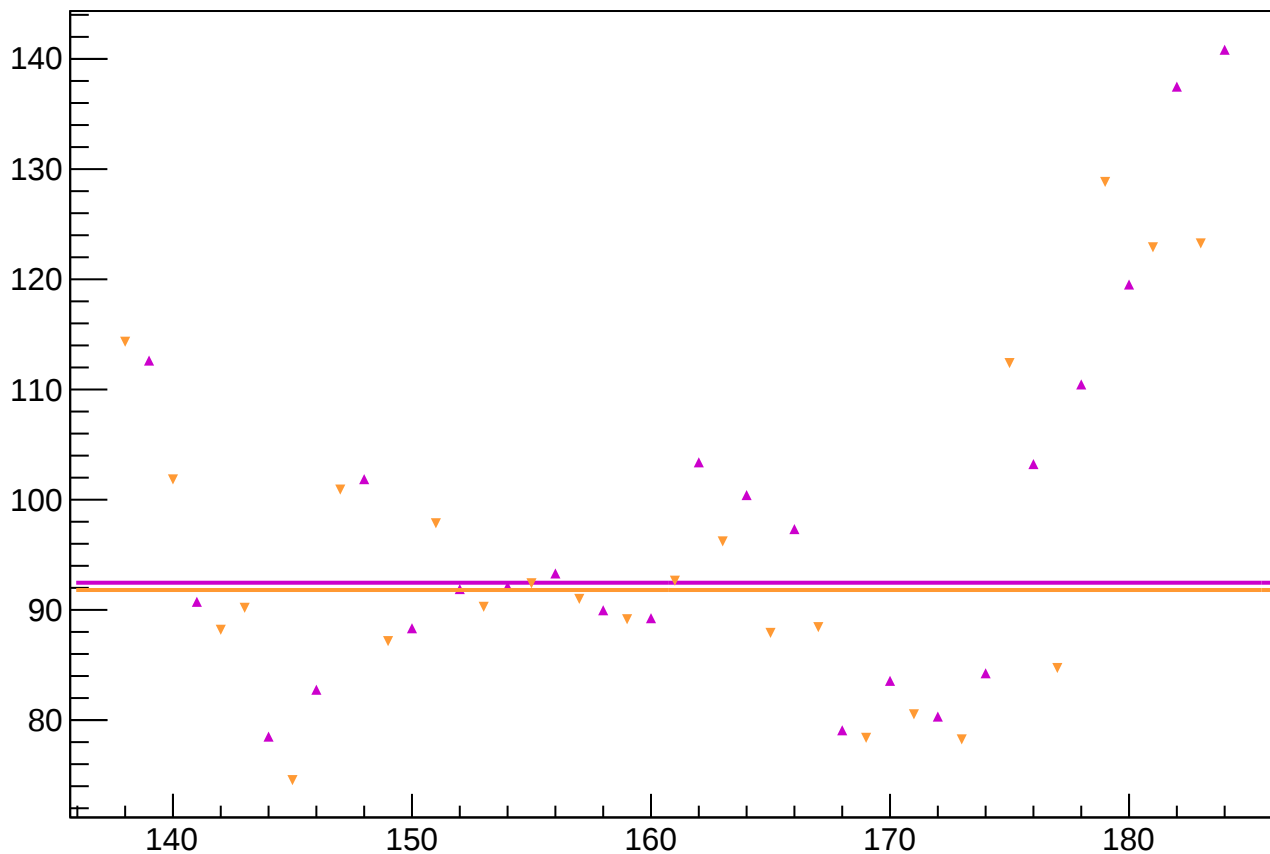
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 67.552 $\pm$ 22.449 χ^2 /NDF:28.9/22

Out: 90.520 $\pm$ 21.902 χ^2 /NDF:23.9/23

All: 79.319 $\pm$ 15.677 χ^2 /NDF: 53.3/46

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.805+/-0.015 χ^2/NDF : 685670.9/23

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: 92.127+/-0.011 χ^2/NDF : 1342260.4/46

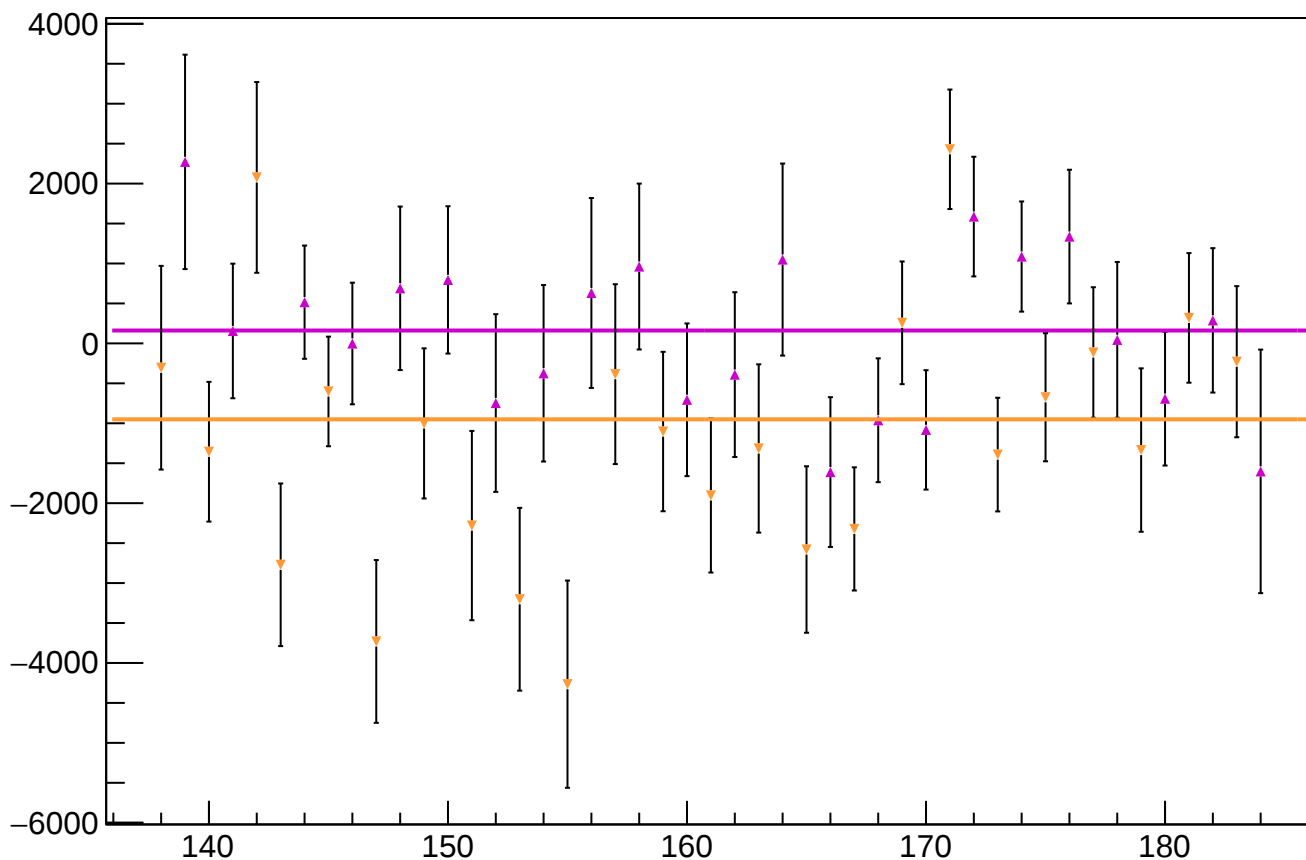
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 92.466+/-0.016 χ^2/NDF : 655700.4/22

Out: 91.805+/-0.015 χ^2/NDF : 685670.9/23

All: 92.127+/-0.011 χ^2/NDF : 1342260.4/46

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -950.376+/-187.750 χ^2/NDF :64.1/23

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

Left In: 161.076+/-189.491 χ^2/NDF :25.1/22

Left: -399.778+/-133.371 χ^2/NDF : 106.5/46

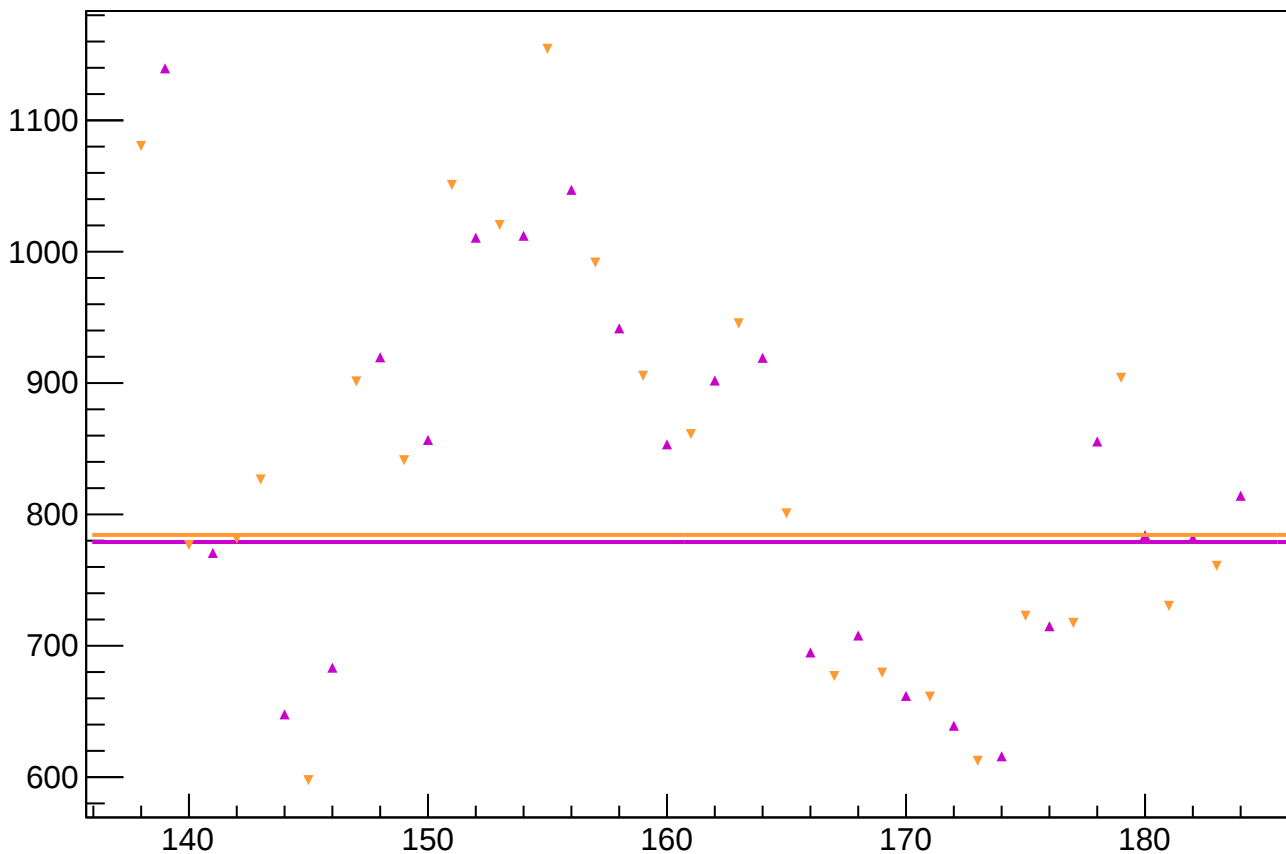
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 161.076+/-189.491 χ^2/NDF :25.1/22

Out: -950.376+/-187.750 χ^2/NDF :64.1/23

All: -399.778+/-133.371 χ^2/NDF : 106.5/46

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 784.413+/-0.133 χ^2/NDF :1109556.3/23

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: 781.729+/-0.094 χ^2/NDF : 2090624.8/46

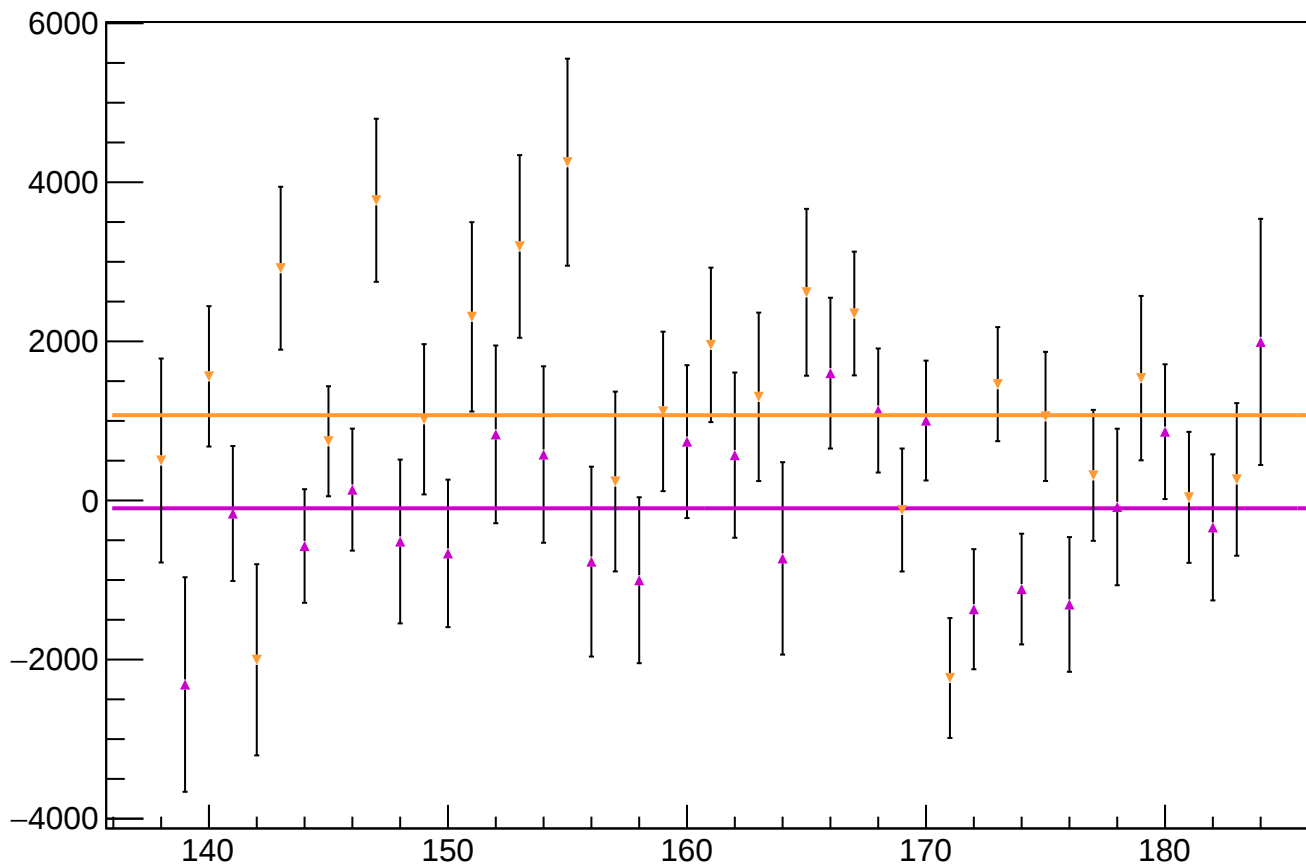
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 778.995+/-0.134 χ^2/NDF :980243.4/22

Out: 784.413+/-0.133 χ^2/NDF :1109556.3/23

All: 781.729+/-0.094 χ^2/NDF : 2090624.8/46

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1071.867 ± 189.241 $\chi^2/\text{NDF}: 59.5/23$

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

Left In: -98.691 ± 191.027 $\chi^2/\text{NDF}: 25.4/22$

Left: 492.086 ± 134.440 $\chi^2/\text{NDF}: 103.8/46$

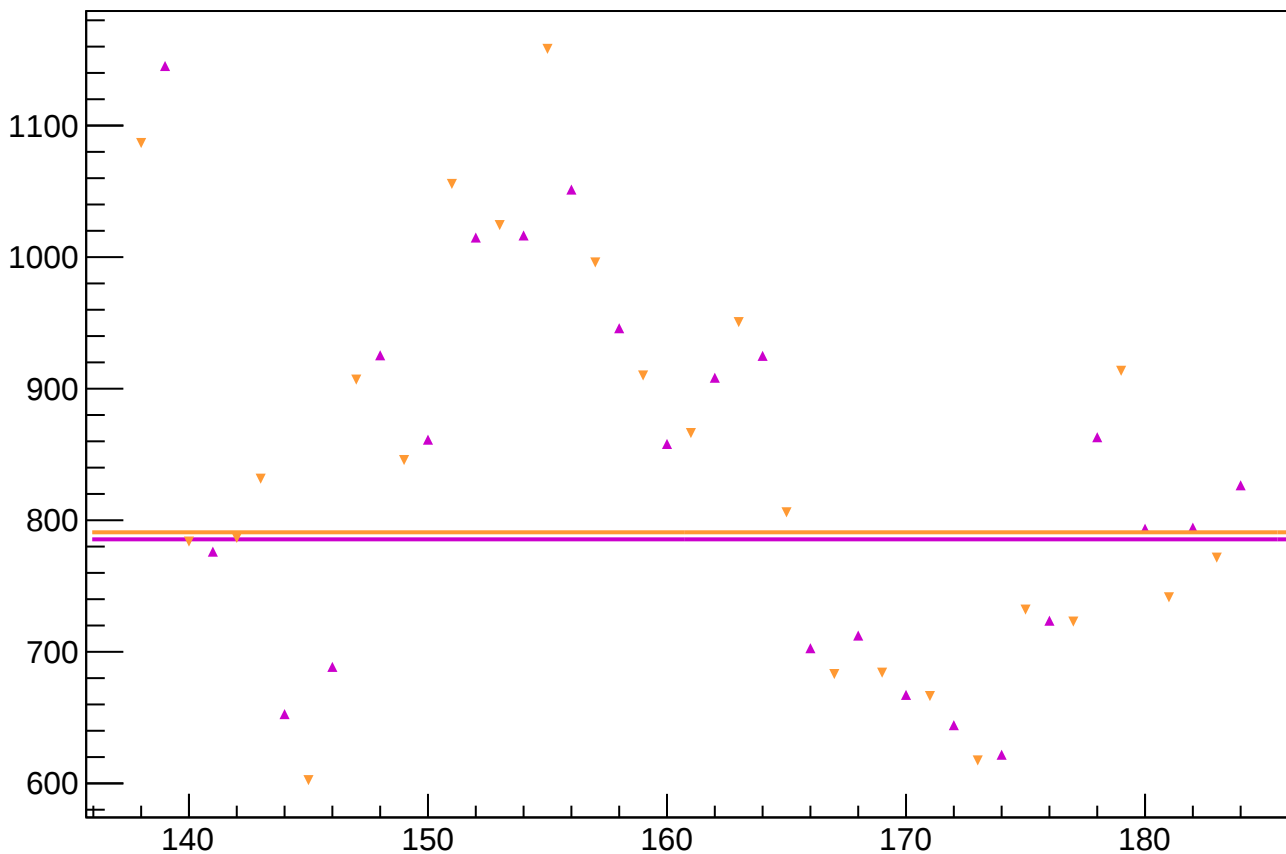
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -98.691 ± 191.027 $\chi^2/\text{NDF}: 25.4/22$

Out: 1071.867 ± 189.241 $\chi^2/\text{NDF}: 59.5/23$

All: 492.086 ± 134.440 $\chi^2/\text{NDF}: 103.8/46$

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 790.843+/-0.134 χ^2/NDF :1092320.9/23

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: 788.192+/-0.095 χ^2/NDF : 2058452.5/46

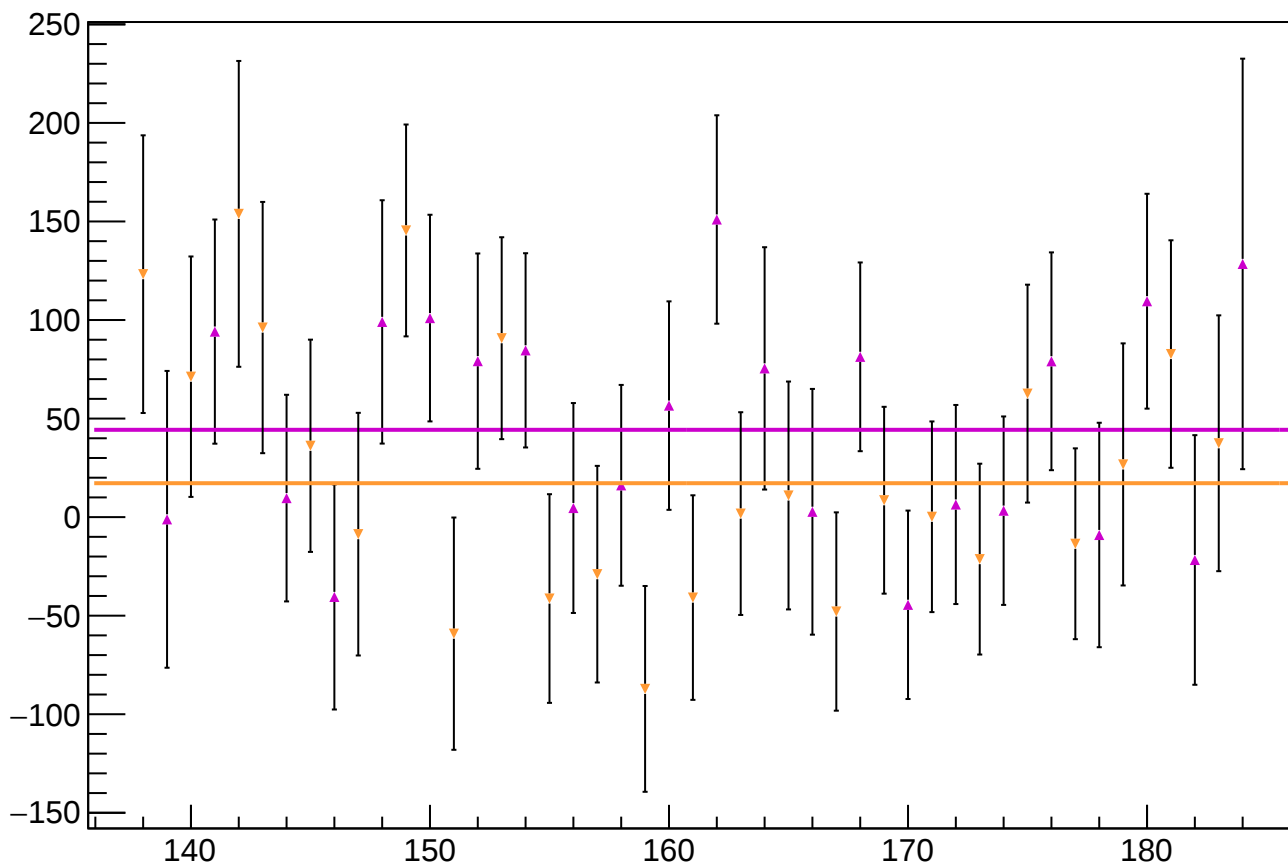
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 785.490+/-0.135 χ^2/NDF :965338.9/22

Out: 790.843+/-0.134 χ^2/NDF :1092320.9/23

All: 788.192+/-0.095 χ^2/NDF : 2058452.5/46

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: 17.209 $\pm$ 11.278 χ^2 /NDF:29.7/23

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: 30.454 $\pm$ 8.062 χ^2 /NDF: 54.8/46

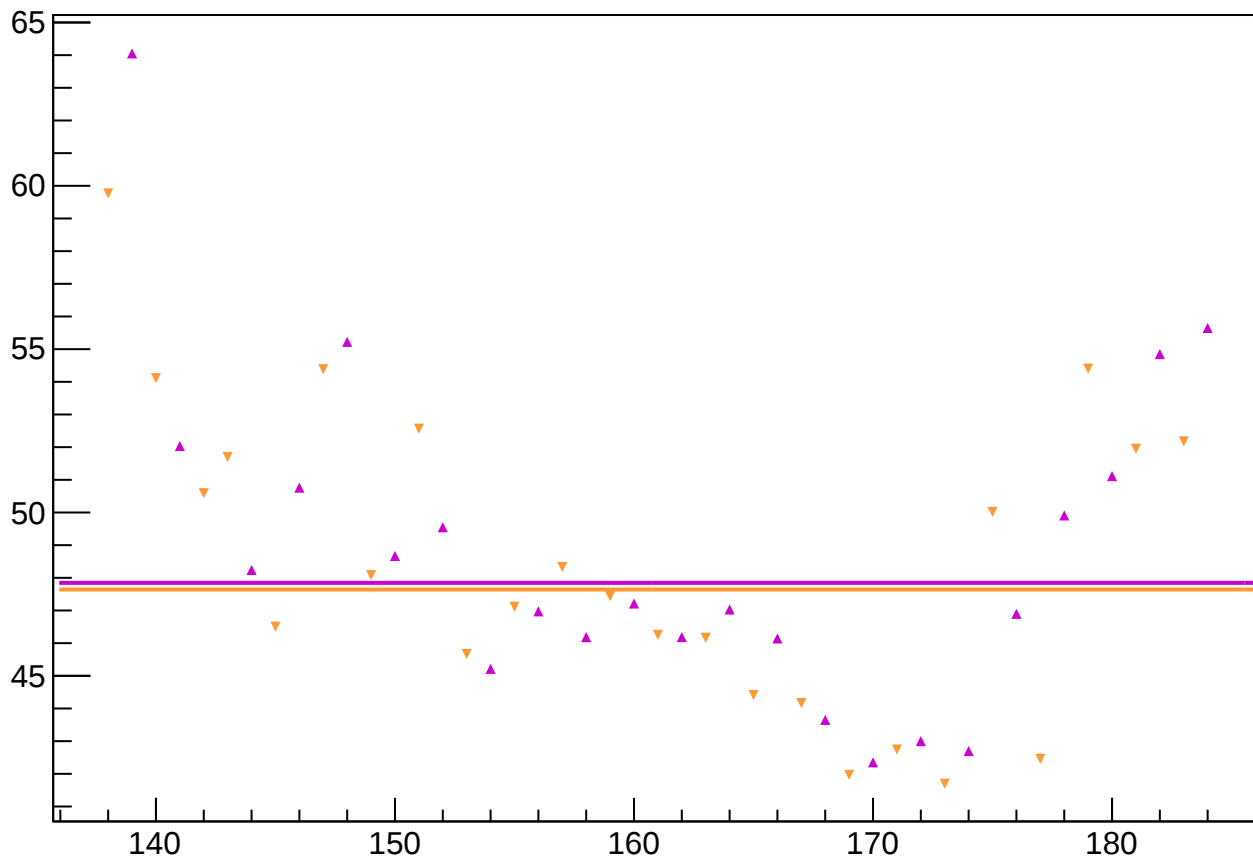
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 44.297 $\pm$ 11.530 χ^2 /NDF:22.3/22

Out: 17.209 $\pm$ 11.278 χ^2 /NDF:29.7/23

All: 30.454 $\pm$ 8.062 χ^2 /NDF: 54.8/46

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 47.642+/-0.008 χ^2/NDF :305260.4/23

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: 47.742+/-0.006 χ^2/NDF : 587369.4/46

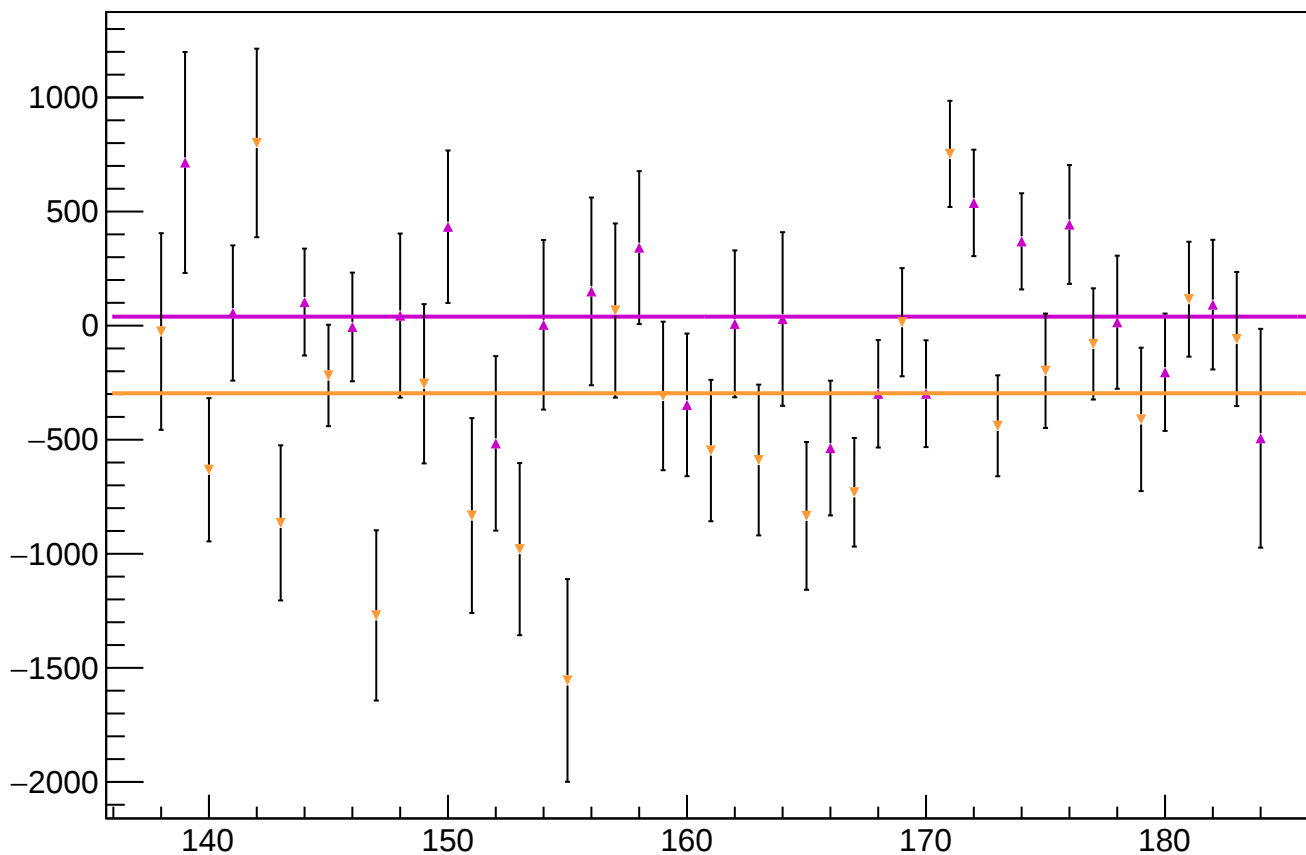
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.846+/-0.008 χ^2/NDF :281790.1/22

Out: 47.642+/-0.008 χ^2/NDF :305260.4/23

All: 47.742+/-0.006 χ^2/NDF : 587369.4/46

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -296.499+/-60.498 χ^2/NDF :66.5/23

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: -129.255+/-42.871 χ^2/NDF : 109.4/46

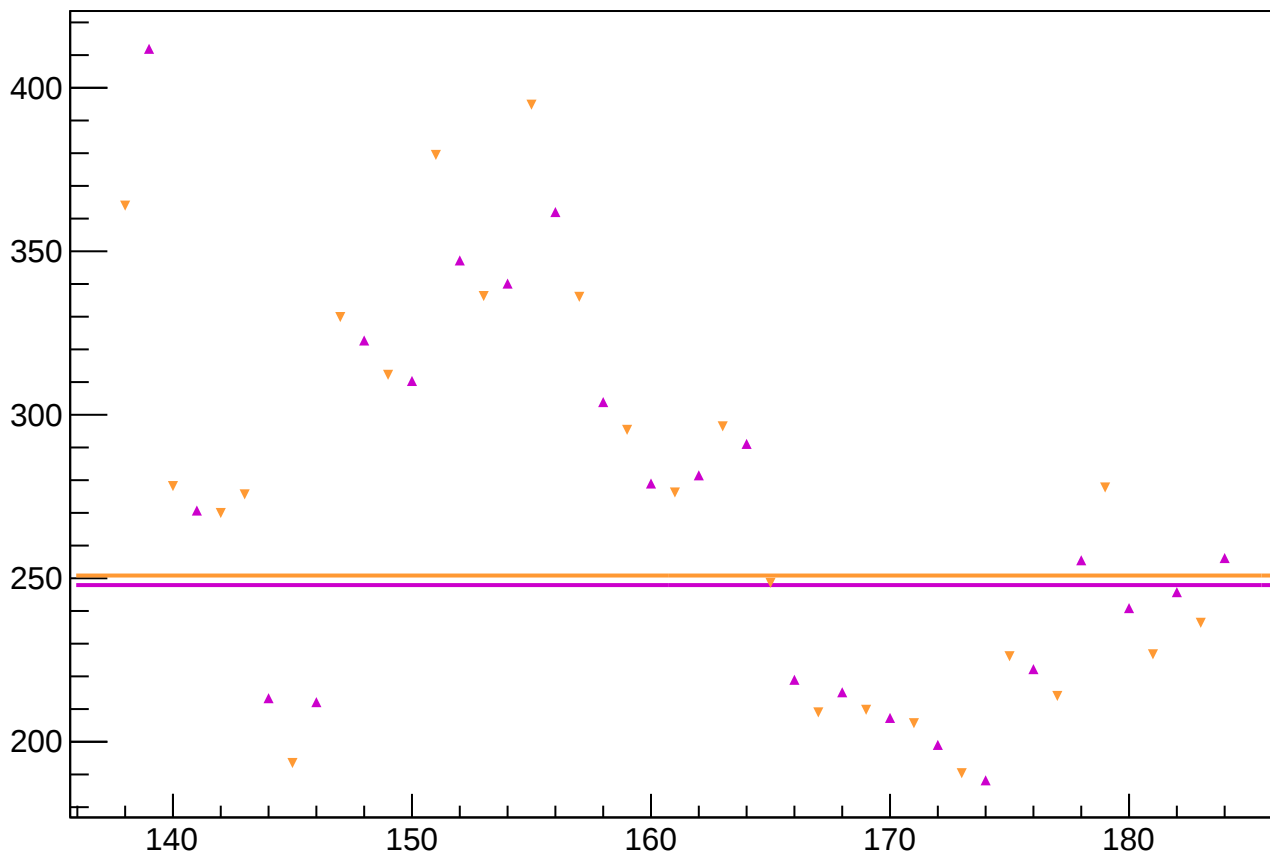
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 39.432+/-60.759 χ^2/NDF :27.5/22

Out: -296.499+/-60.498 χ^2/NDF :66.5/23

All: -129.255+/-42.871 χ^2/NDF : 109.4/46

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 250.842+/-0.043 χ^2/NDF :1585243.0/23

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: 249.386+/-0.030 χ^2/NDF : 2998417.6/46

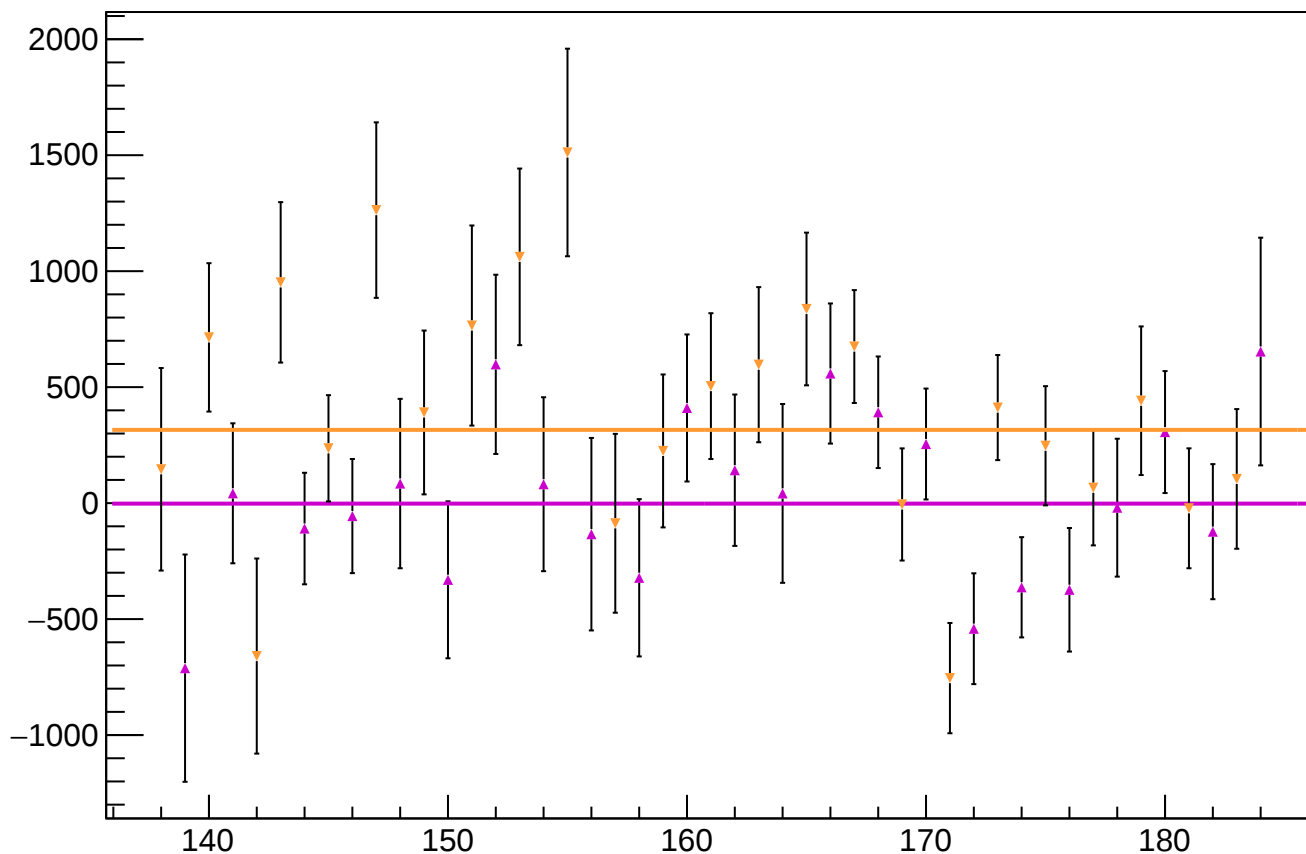
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 247.917+/-0.043 χ^2/NDF :1410847.5/22

Out: 250.842+/-0.043 χ^2/NDF :1585243.0/23

All: 249.386+/-0.030 χ^2/NDF : 2998417.6/46

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 315.788+/-61.681 χ^2/NDF :61.5/23

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: 157.633+/-43.729 χ^2/NDF : 103.9/46

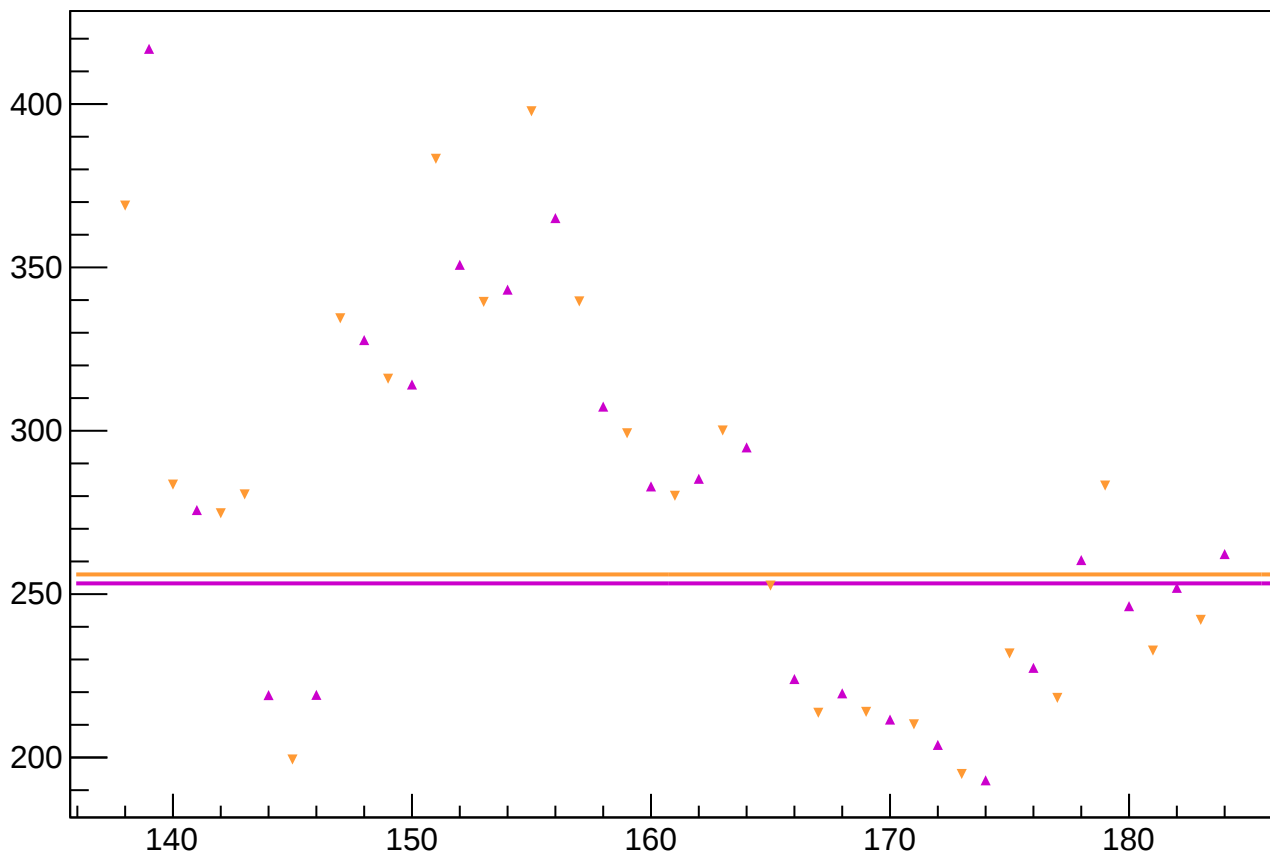
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.185+/-62.005 χ^2/NDF :29.2/22

Out: 315.788+/-61.681 χ^2/NDF :61.5/23

All: 157.633+/-43.729 χ^2/NDF : 103.9/46

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 256.029+/-0.044 χ^2/NDF :1513679.1/23

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: 254.665+/-0.031 χ^2/NDF : 2857306.5/46

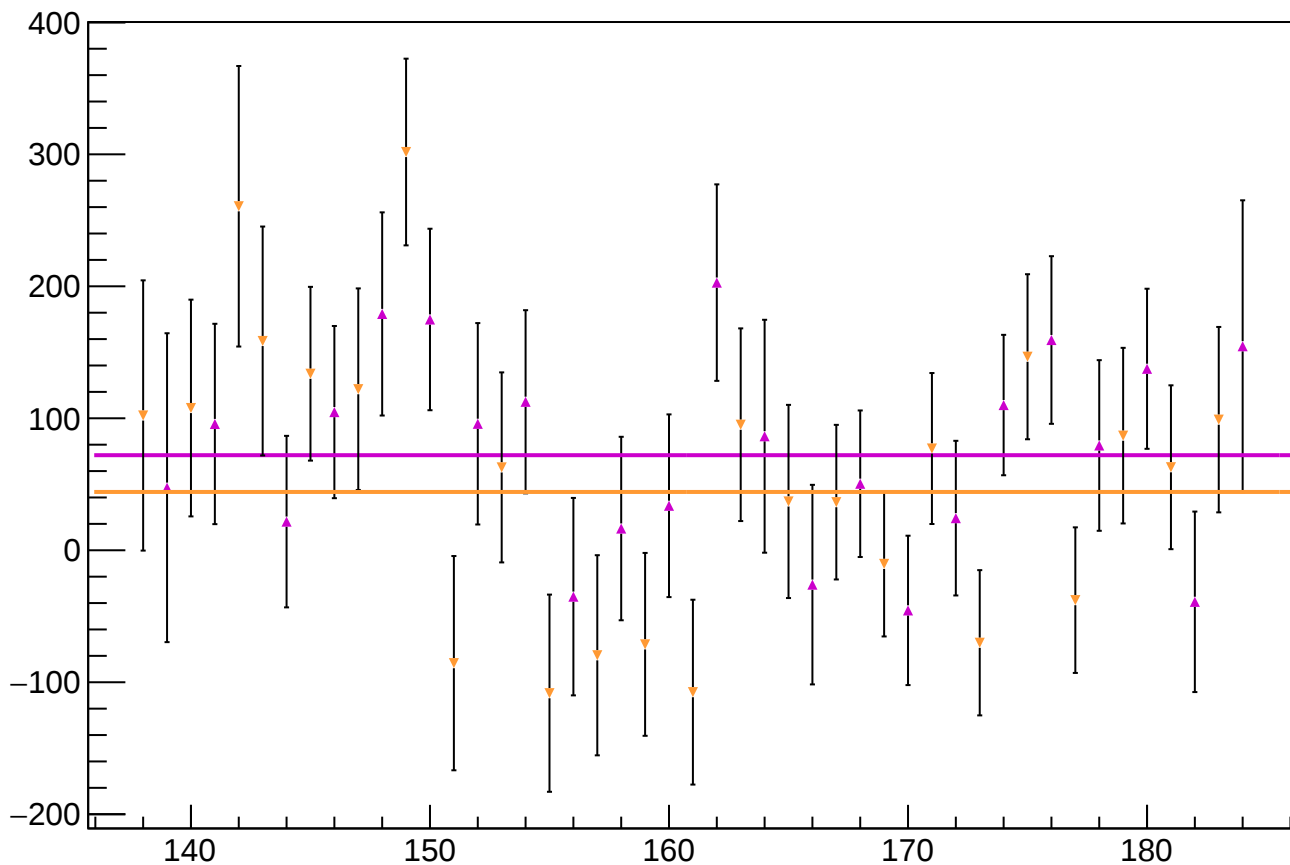
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 253.287+/-0.044 χ^2/NDF :1341662.3/22

Out: 256.029+/-0.044 χ^2/NDF :1513679.1/23

All: 254.665+/-0.031 χ^2/NDF : 2857306.5/46

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 44.188 $\pm$ 14.026 χ^2 /NDF:52.0/23

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

Left In: 72.037 $\pm$ 14.296 χ^2 /NDF:25.3/22

Left: 57.847 $\pm$ 10.012 χ^2 /NDF: 79.3/46

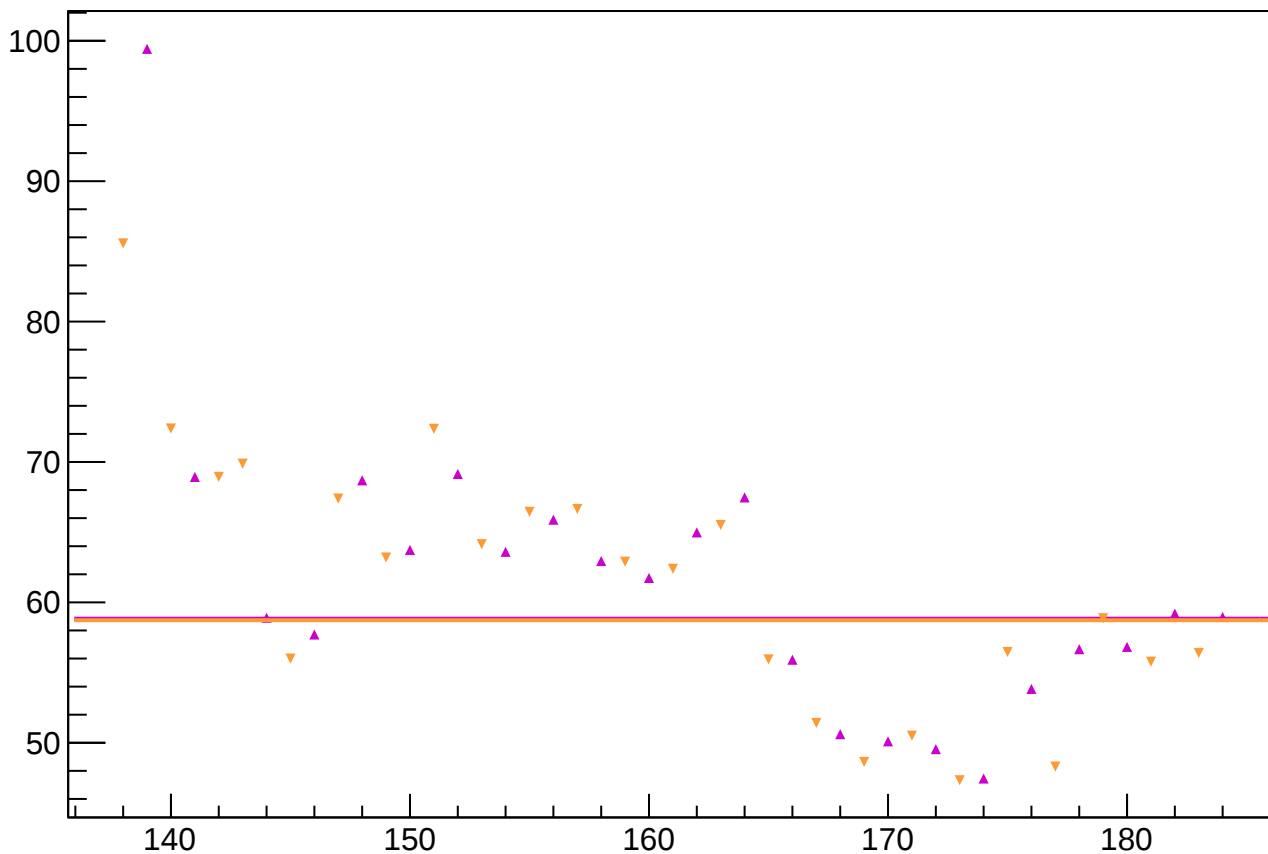
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 72.037 $\pm$ 14.296 χ^2 /NDF:25.3/22

Out: 44.188 $\pm$ 14.026 χ^2 /NDF:52.0/23

All: 57.847 $\pm$ 10.012 χ^2 /NDF: 79.3/46

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 58.729 $\pm$ 0.010 χ^2 /NDF:731911.7/23

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

Left In: 58.840 $\pm$ 0.010 χ^2 /NDF:679925.7/22

Left: 58.784 $\pm$ 0.007 χ^2 /NDF: 1411898.0/46

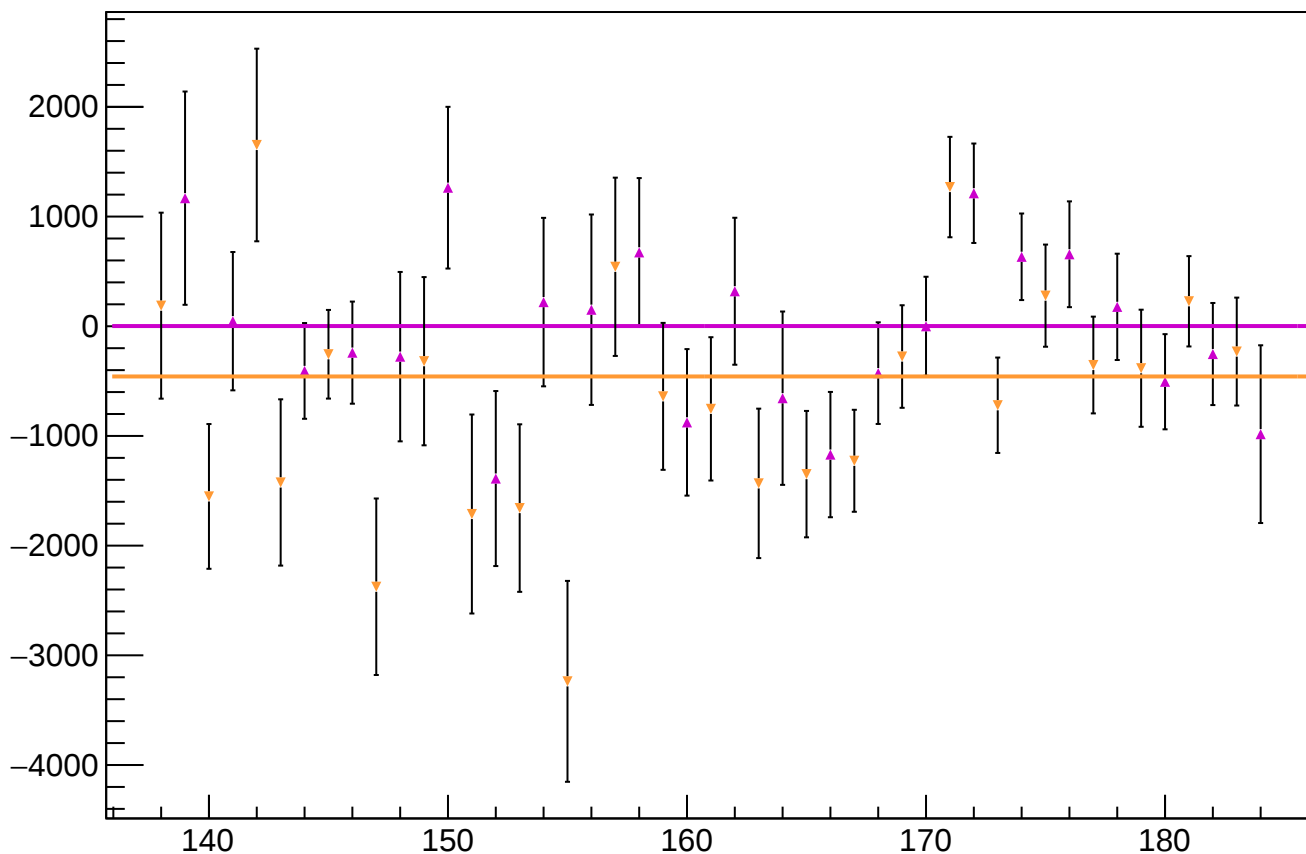
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 58.840 $\pm$ 0.010 χ^2 /NDF:679925.7/22

Out: 58.729 $\pm$ 0.010 χ^2 /NDF:731911.7/23

All: 58.784 $\pm$ 0.007 χ^2 /NDF: 1411898.0/46

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -457.762 $\pm$ 116.231 χ^2 /NDF:59.5/23

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

Left In: 1.825 $\pm$ 116.459 χ^2 /NDF:32.3/22

Left: -228.417 $\pm$ 82.268 χ^2 /NDF: 99.7/46

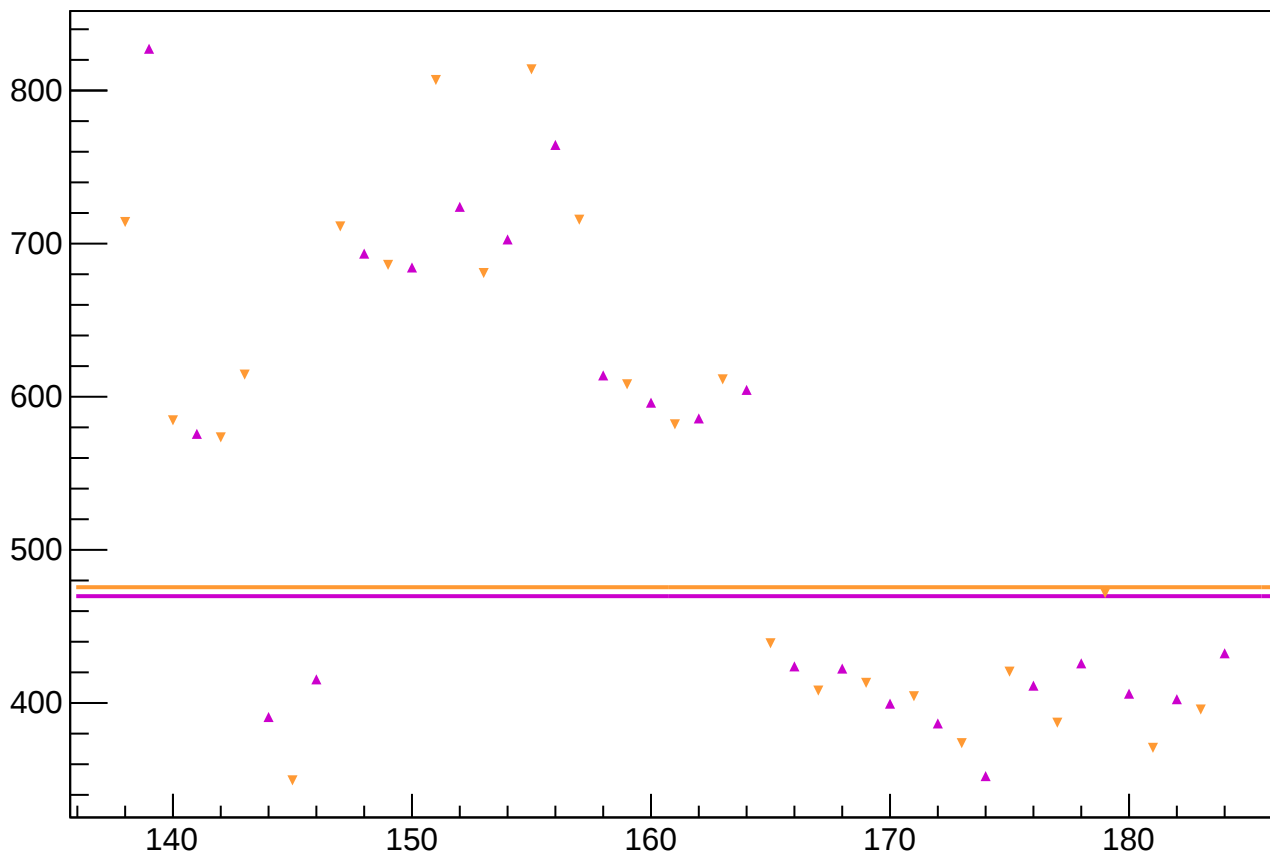
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 1.825 $\pm$ 116.459 χ^2 /NDF:32.3/22

Out: -457.762 $\pm$ 116.231 χ^2 /NDF:59.5/23

All: -228.417 $\pm$ 82.268 χ^2 /NDF: 99.7/46

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 475.618+/-0.082 χ^2/NDF :2426052.8/23

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: 472.695+/-0.058 χ^2/NDF : 4545472.3/46

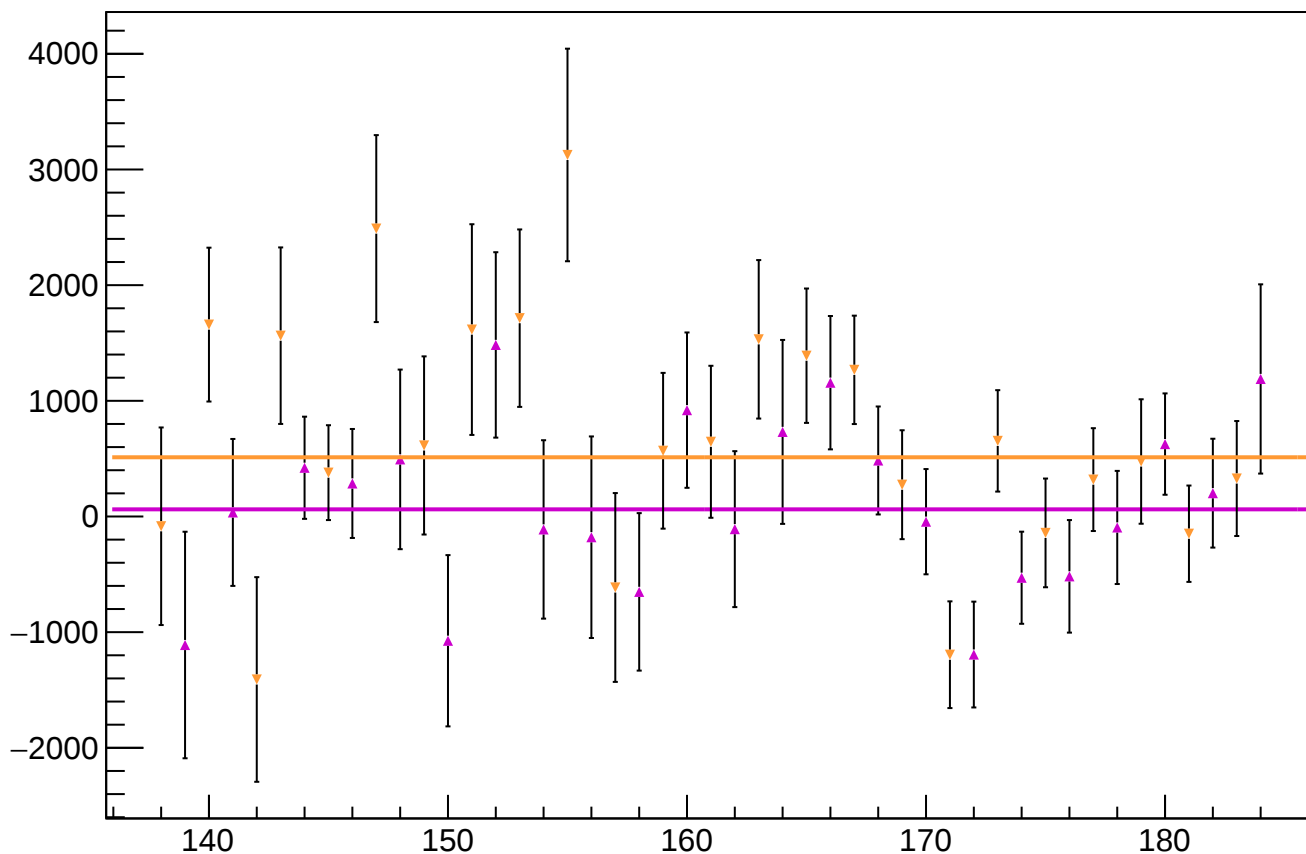
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 469.761+/-0.082 χ^2/NDF :2116885.7/22

Out: 475.618+/-0.082 χ^2/NDF :2426052.8/23

All: 472.695+/-0.058 χ^2/NDF : 4545472.3/46

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 511.925+/-117.185 χ^2/NDF :56.1/23

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: 287.356+/-82.955 χ^2/NDF : 94.6/46

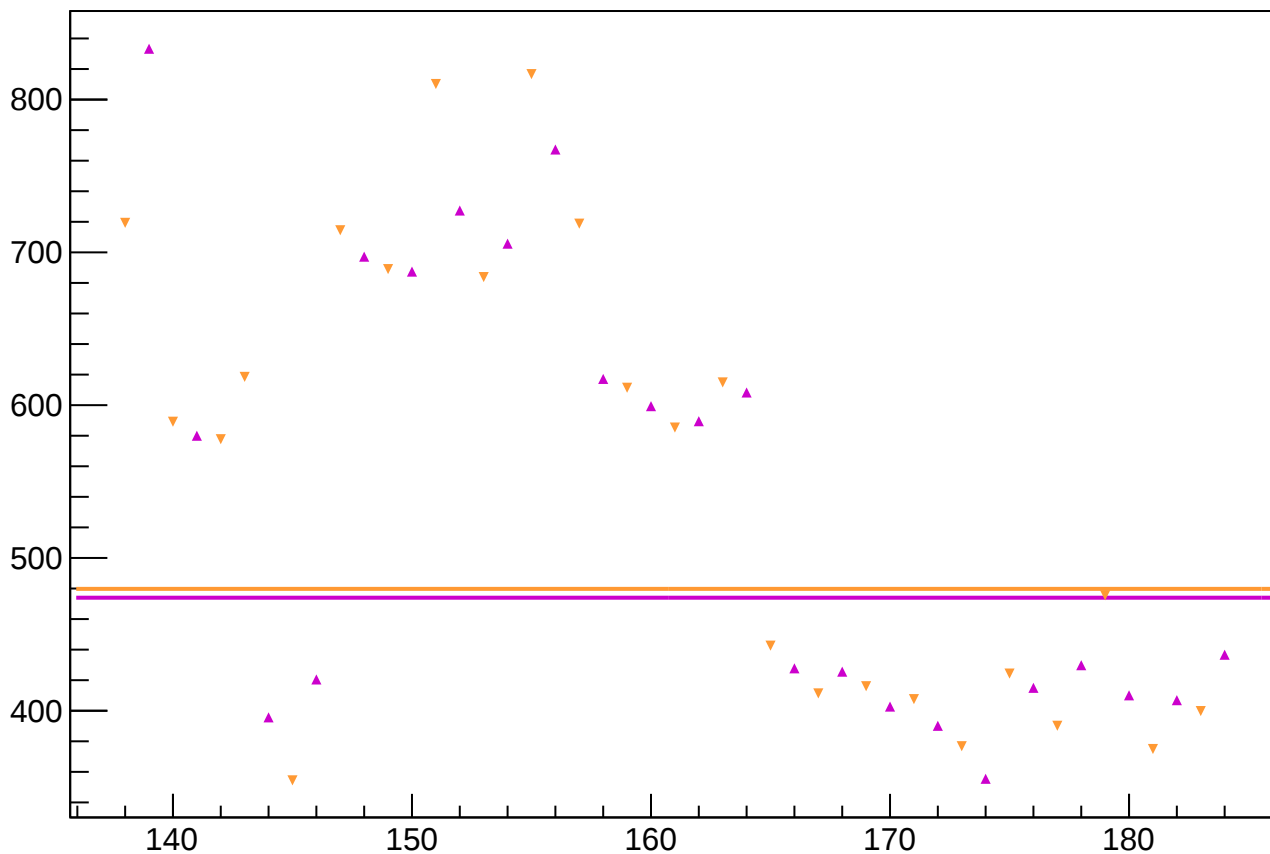
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 61.775+/-117.449 χ^2/NDF :31.2/22

Out: 511.925+/-117.185 χ^2/NDF :56.1/23

All: 287.356+/-82.955 χ^2/NDF : 94.6/46

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 479.773+/-0.083 χ^2/NDF :2390562.8/23

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: 476.885+/-0.059 χ^2/NDF : 4480111.7/46

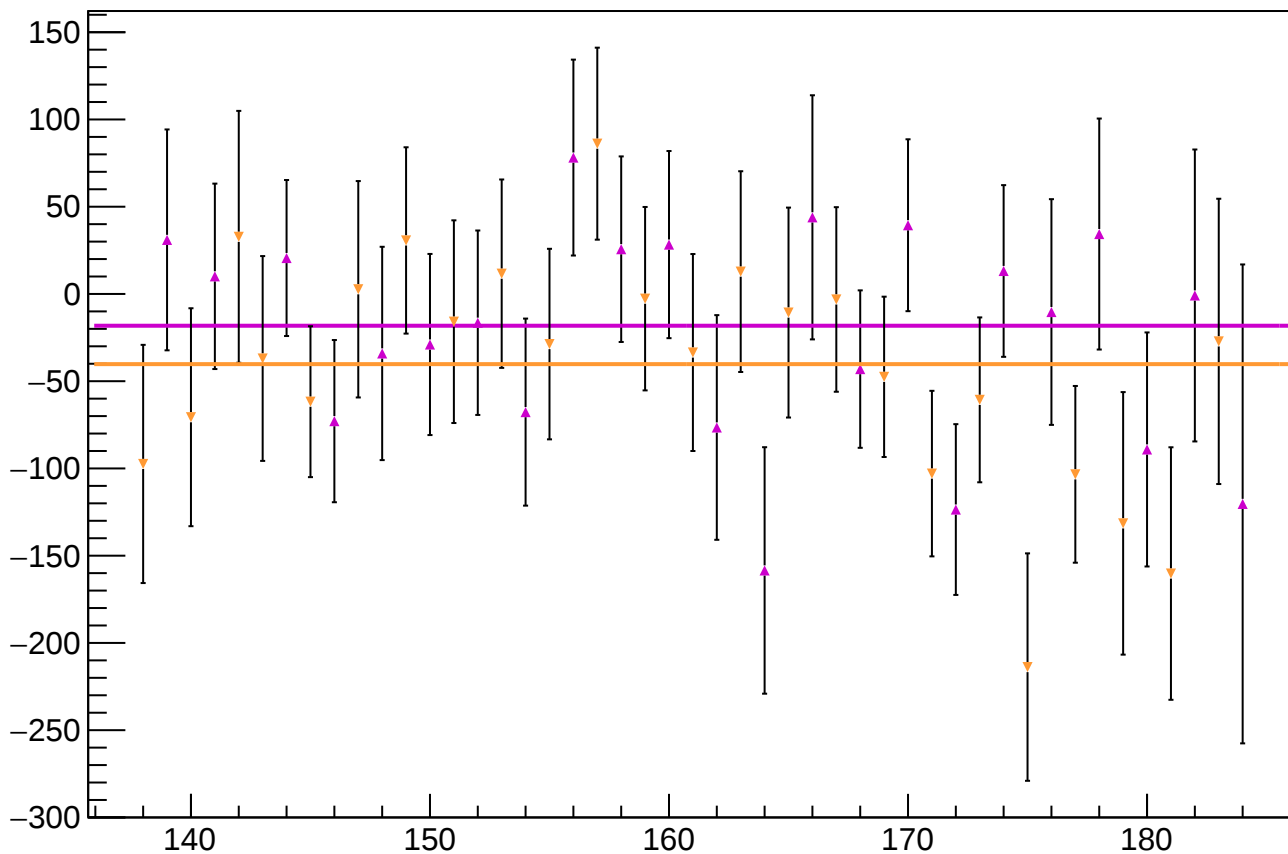
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 473.983+/-0.083 χ^2/NDF :2087113.7/22

Out: 479.773+/-0.083 χ^2/NDF :2390562.8/23

All: 476.885+/-0.059 χ^2/NDF : 4480111.7/46

reg_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: -40.220 $\pm$ 11.528 χ^2 /NDF:27.8/23

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

Left In: -18.210 $\pm$ 11.788 χ^2 /NDF:23.0/22

Left: -29.460 $\pm$ 8.242 χ^2 /NDF: 52.6/46

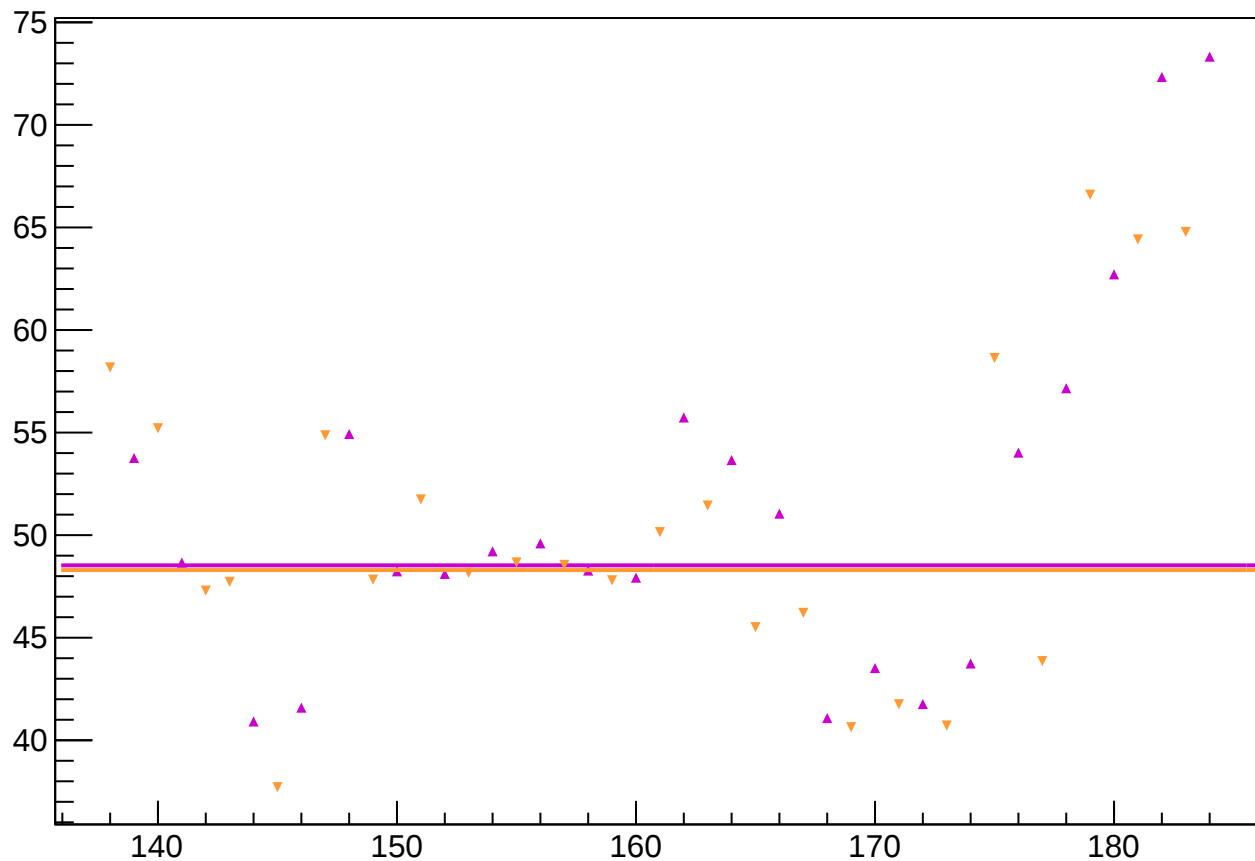
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -18.210 $\pm$ 11.788 χ^2 /NDF:23.0/22

Out: -40.220 $\pm$ 11.528 χ^2 /NDF:27.8/23

All: -29.460 $\pm$ 8.242 χ^2 /NDF: 52.6/46

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: 48.296+/-0.008 χ^2/NDF : 741964.9/23

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: 48.409+/-0.006 χ^2/NDF : 1417696.7/46

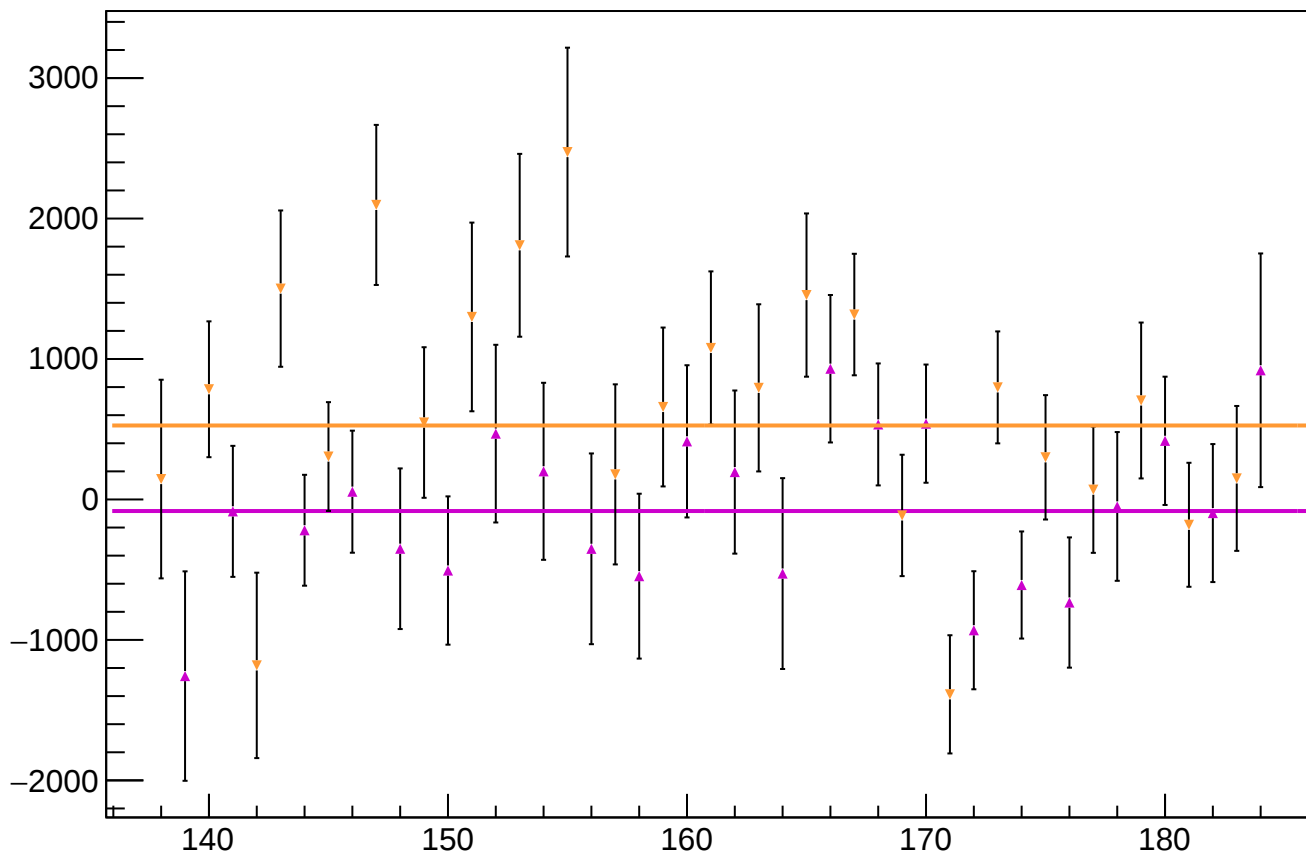
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 48.527+/-0.008 χ^2/NDF : 675340.8/22

Out: 48.296+/-0.008 χ^2/NDF : 741964.9/23

All: 48.409+/-0.006 χ^2/NDF : 1417696.7/46

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: 526.636+/-104.862 χ^2/NDF : 65.6/23

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: 225.209+/-74.525 χ^2/NDF : 107.7/46

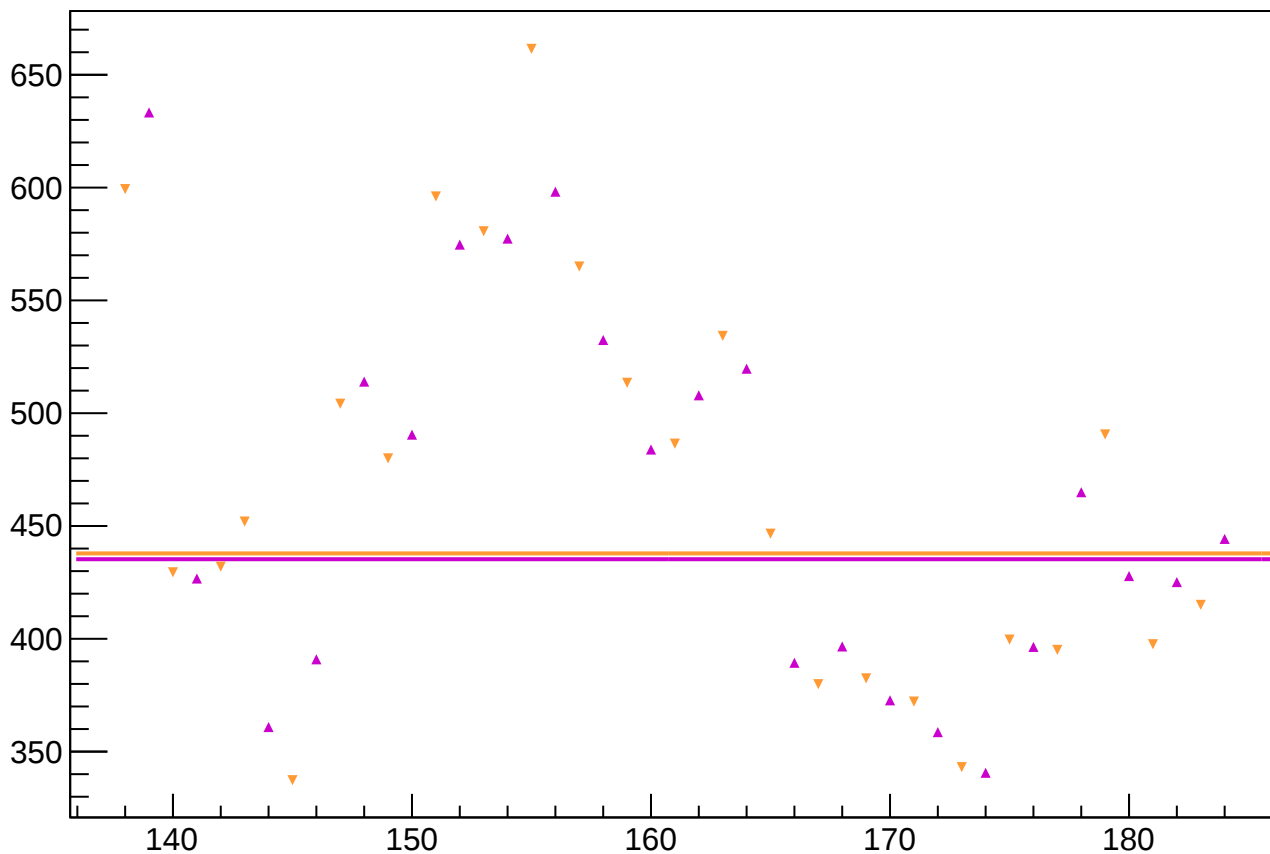
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -82.421+/-105.935 χ^2/NDF : 25.3/22

Out: 526.636+/-104.862 χ^2/NDF : 65.6/23

All: 225.209+/-74.525 χ^2/NDF : 107.7/46

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: 437.848+/-0.074 χ^2/NDF :1154128.8/23

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: 436.575+/-0.053 χ^2/NDF : 2182437.9/46

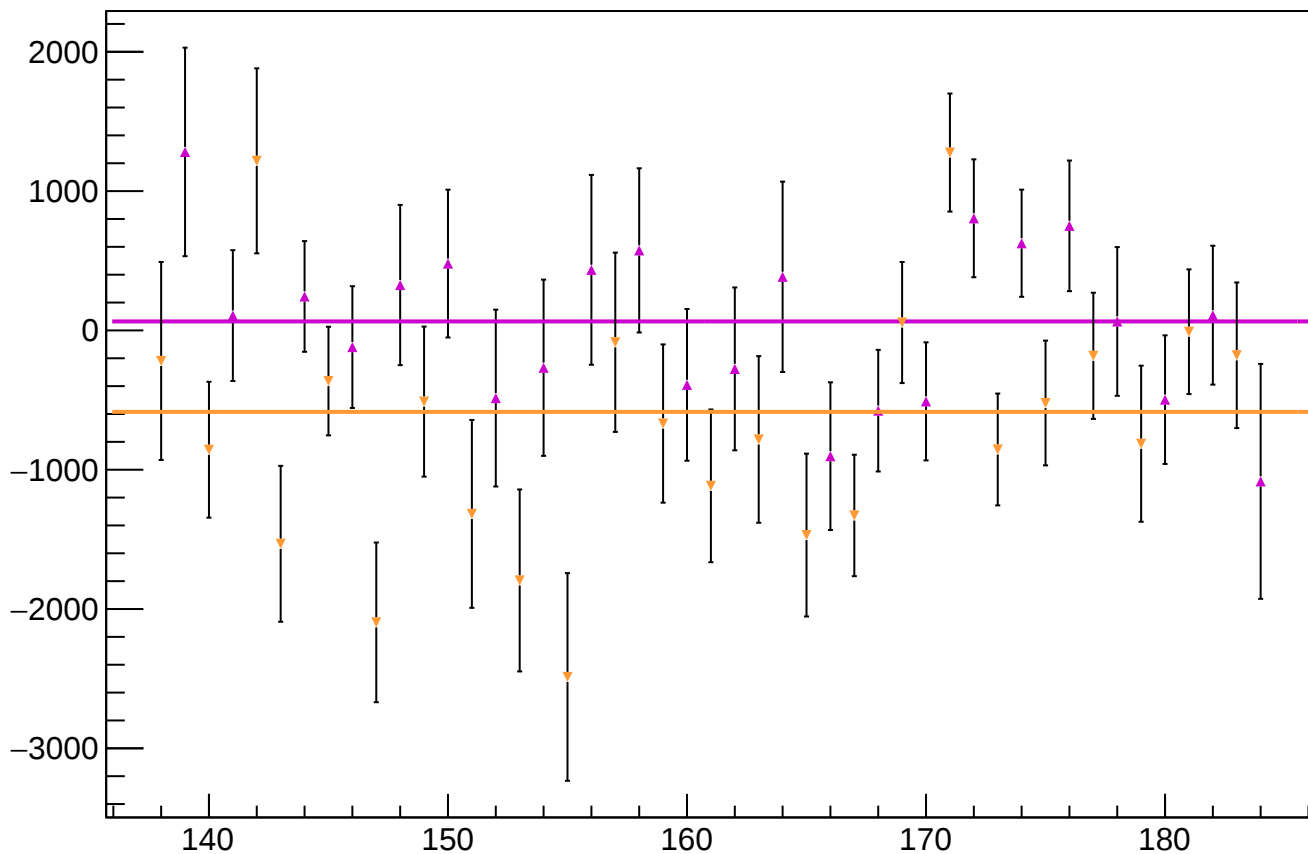
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 435.275+/-0.075 χ^2/NDF :1027713.1/22

Out: 437.848+/-0.074 χ^2/NDF :1154128.8/23

All: 436.575+/-0.053 χ^2/NDF : 2182437.9/46

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: -584.626 $\pm$ 105.612 χ^2 /NDF:61.3/23

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: -263.366 $\pm$ 75.063 χ^2 /NDF: 105.1/46

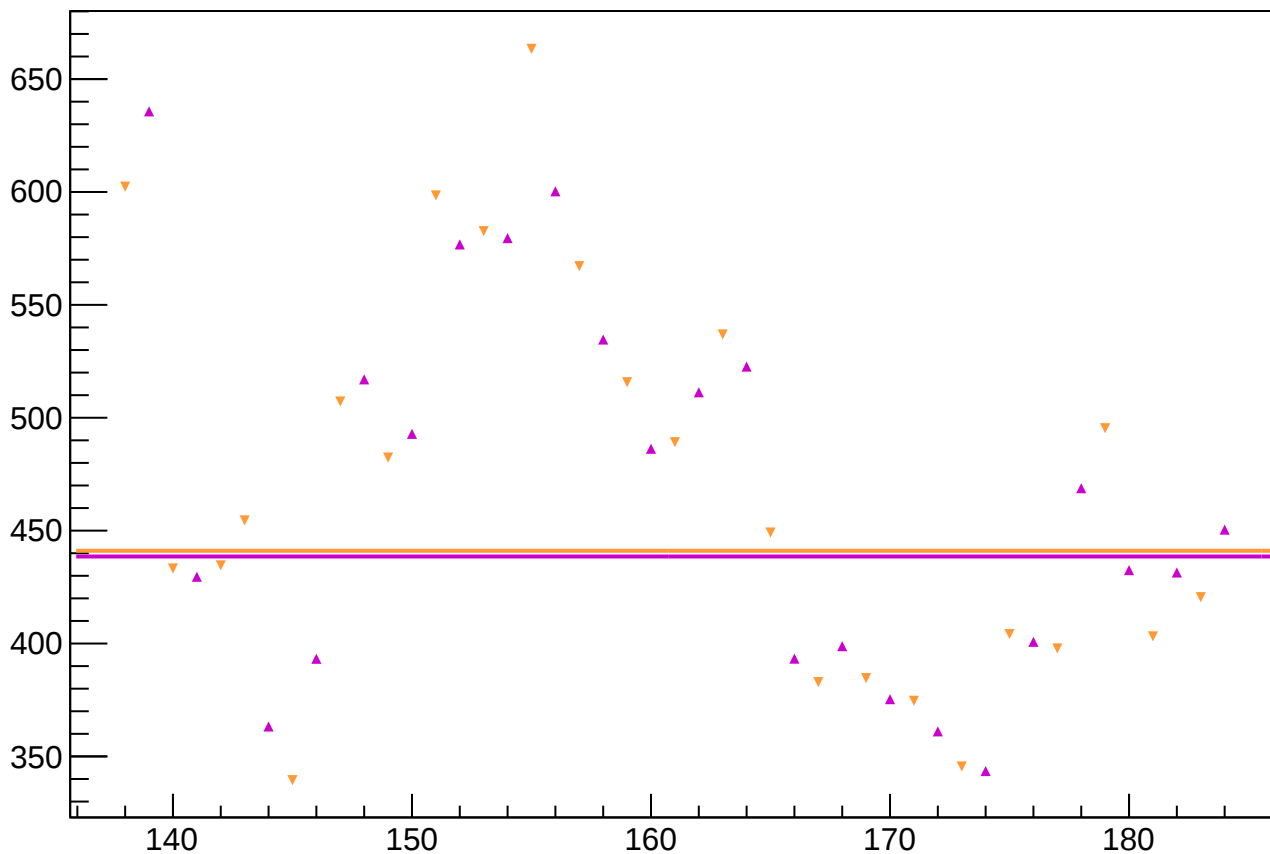
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 64.594 $\pm$ 106.708 χ^2 /NDF:25.2/22

Out: -584.626 $\pm$ 105.612 χ^2 /NDF:61.3/23

All: -263.366 $\pm$ 75.063 χ^2 /NDF: 105.1/46

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 441.090+/-0.075 χ^2/NDF :1138127.2/23

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: 439.832+/-0.053 χ^2/NDF : 2151772.1/46

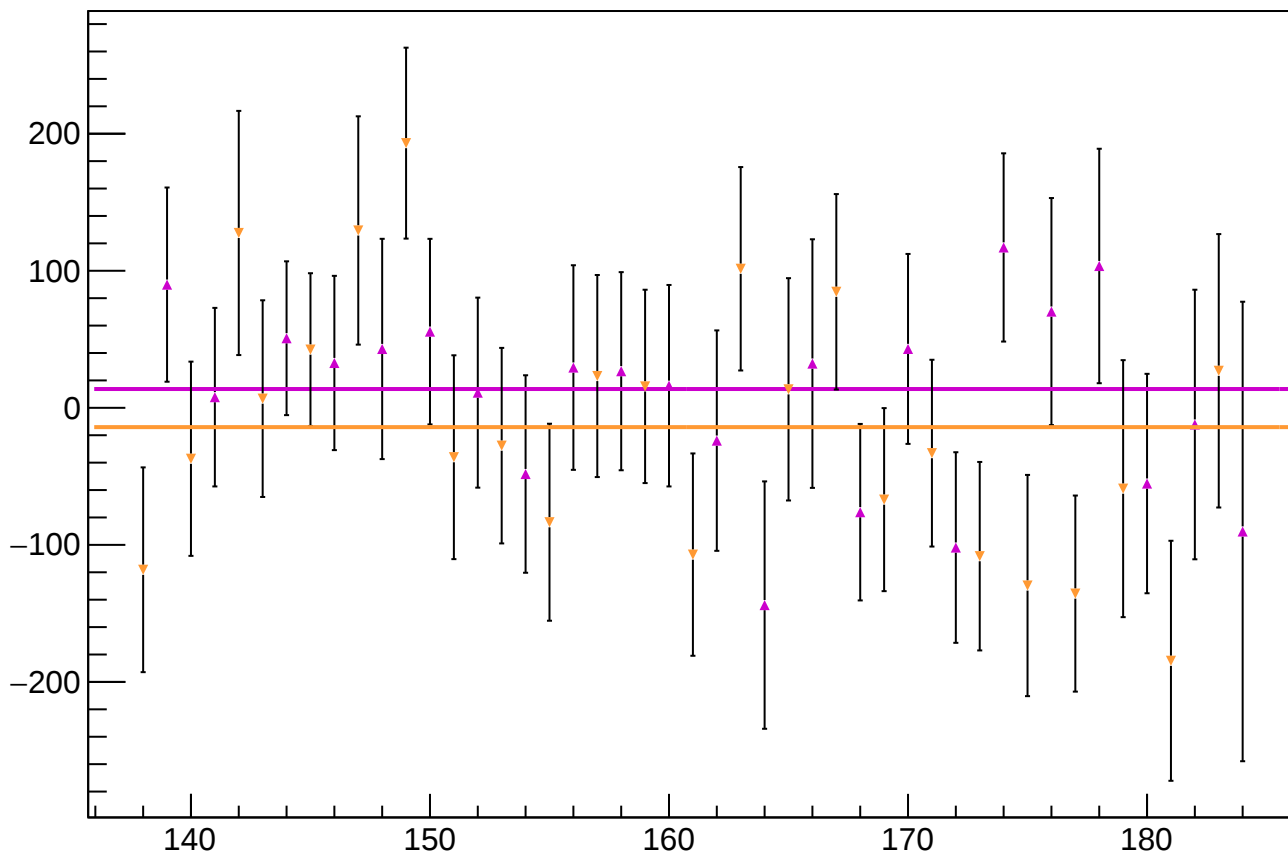
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 438.548+/-0.075 χ^2/NDF :1013071.4/22

Out: 441.090+/-0.075 χ^2/NDF :1138127.2/23

All: 439.832+/-0.053 χ^2/NDF : 2151772.1/46

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: -14.087 $\pm$ 15.101 χ^2 /NDF:36.7/23

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: -0.525 $\pm$ 10.809 χ^2 /NDF: 54.7/46

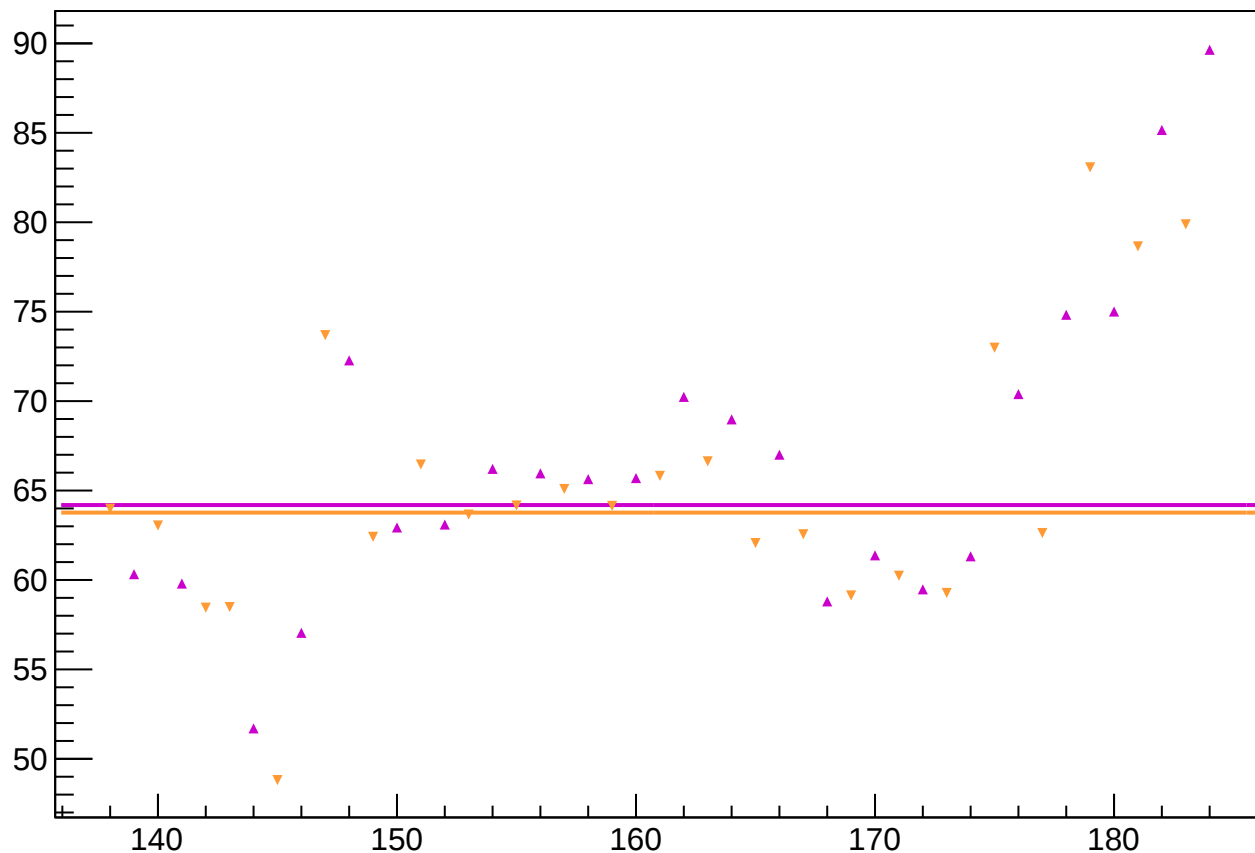
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 13.723 $\pm$ 15.478 χ^2 /NDF:16.3/22

Out: -14.087 $\pm$ 15.101 χ^2 /NDF:36.7/23

All: -0.525 $\pm$ 10.809 χ^2 /NDF: 54.7/46

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: 63.766+/-0.011 χ^2/NDF :445604.5/23

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: 63.972+/-0.008 χ^2/NDF : 876039.7/46

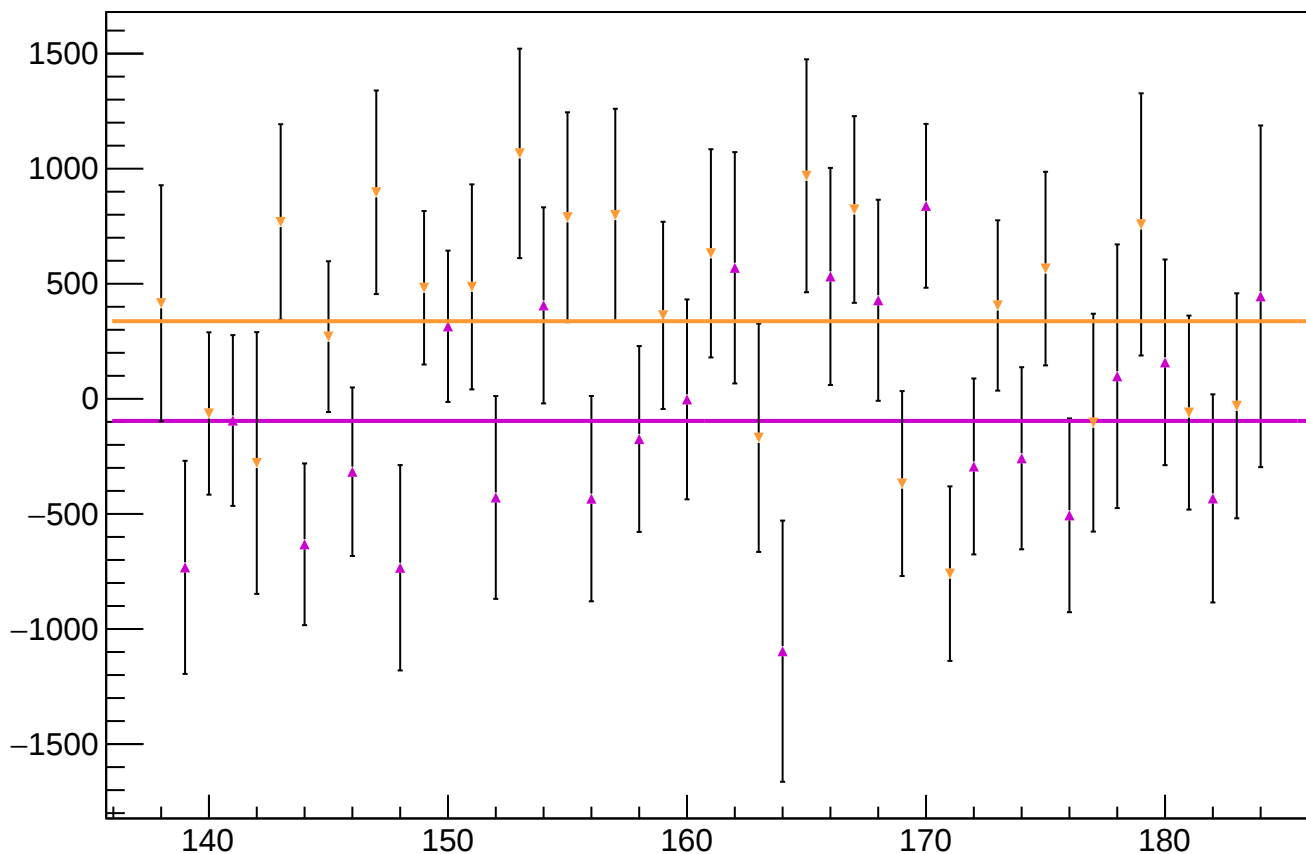
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 64.189+/-0.011 χ^2/NDF :429670.3/22

Out: 63.766+/-0.011 χ^2/NDF :445604.5/23

All: 63.972+/-0.008 χ^2/NDF : 876039.7/46

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: 337.395 $\pm$ 87.134 χ^2 /NDF:29.1/23

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: 124.493 $\pm$ 62.144 χ^2 /NDF: 70.0/46

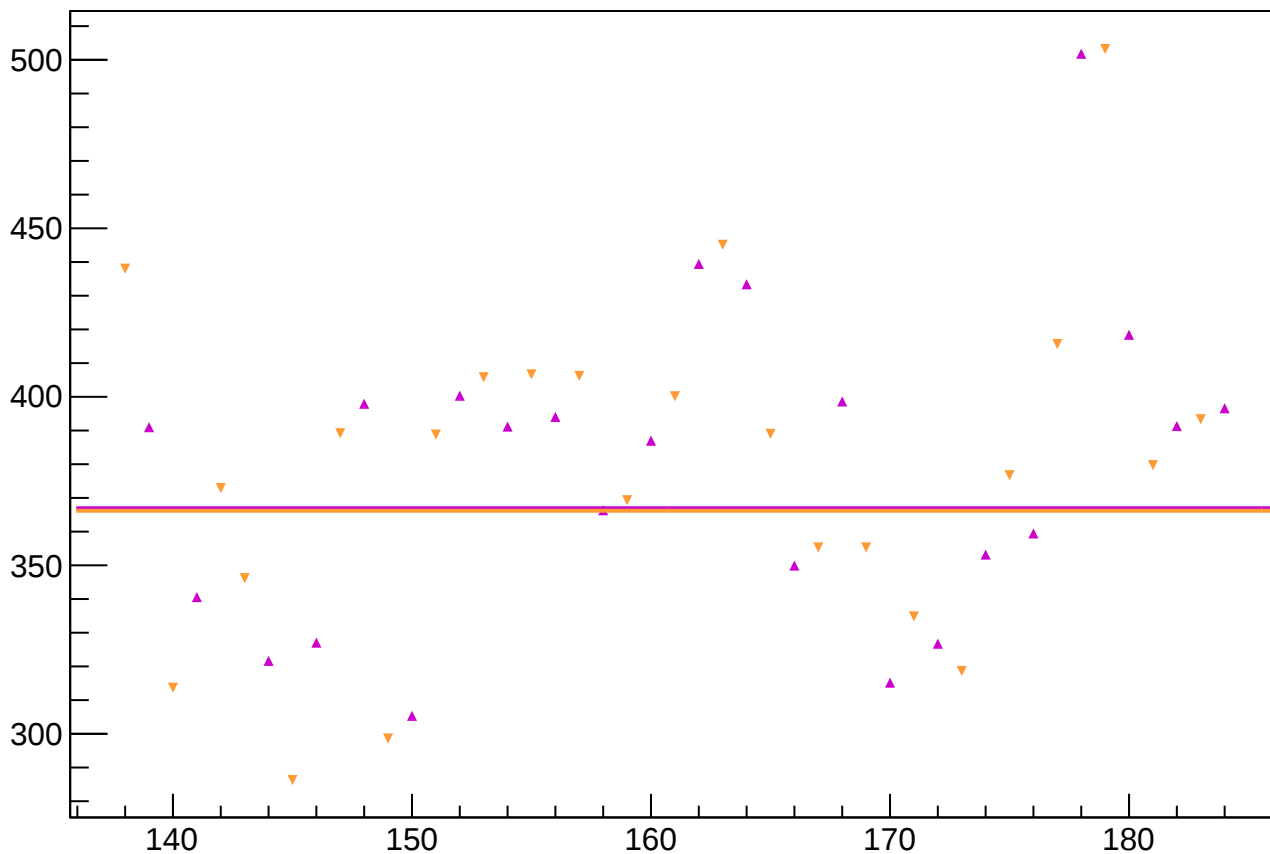
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -95.910 $\pm$ 88.656 χ^2 /NDF:28.7/22

Out: 337.395 $\pm$ 87.134 χ^2 /NDF:29.1/23

All: 124.493 $\pm$ 62.144 χ^2 /NDF: 70.0/46

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: 366.208+/-0.062 χ^2/NDF : 608636.4/23

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: 366.560+/-0.044 χ^2/NDF : 1086785.1/46

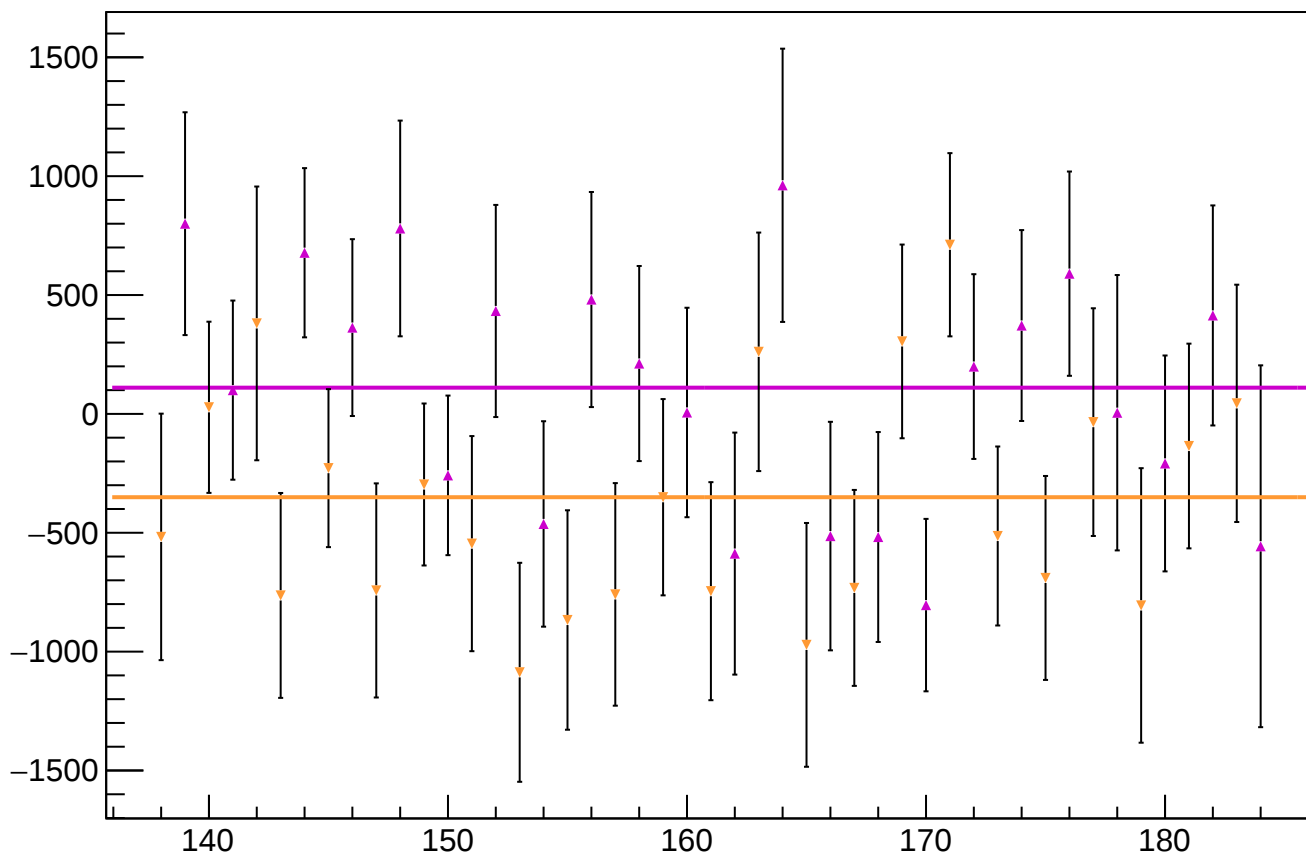
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 366.925+/-0.063 χ^2/NDF : 478082.1/22

Out: 366.208+/-0.062 χ^2/NDF : 608636.4/23

All: 366.560+/-0.044 χ^2/NDF : 1086785.1/46

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -350.438+/-88.529 χ^2/NDF :26.9/23

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: -124.060+/-63.142 χ^2/NDF : 69.4/46

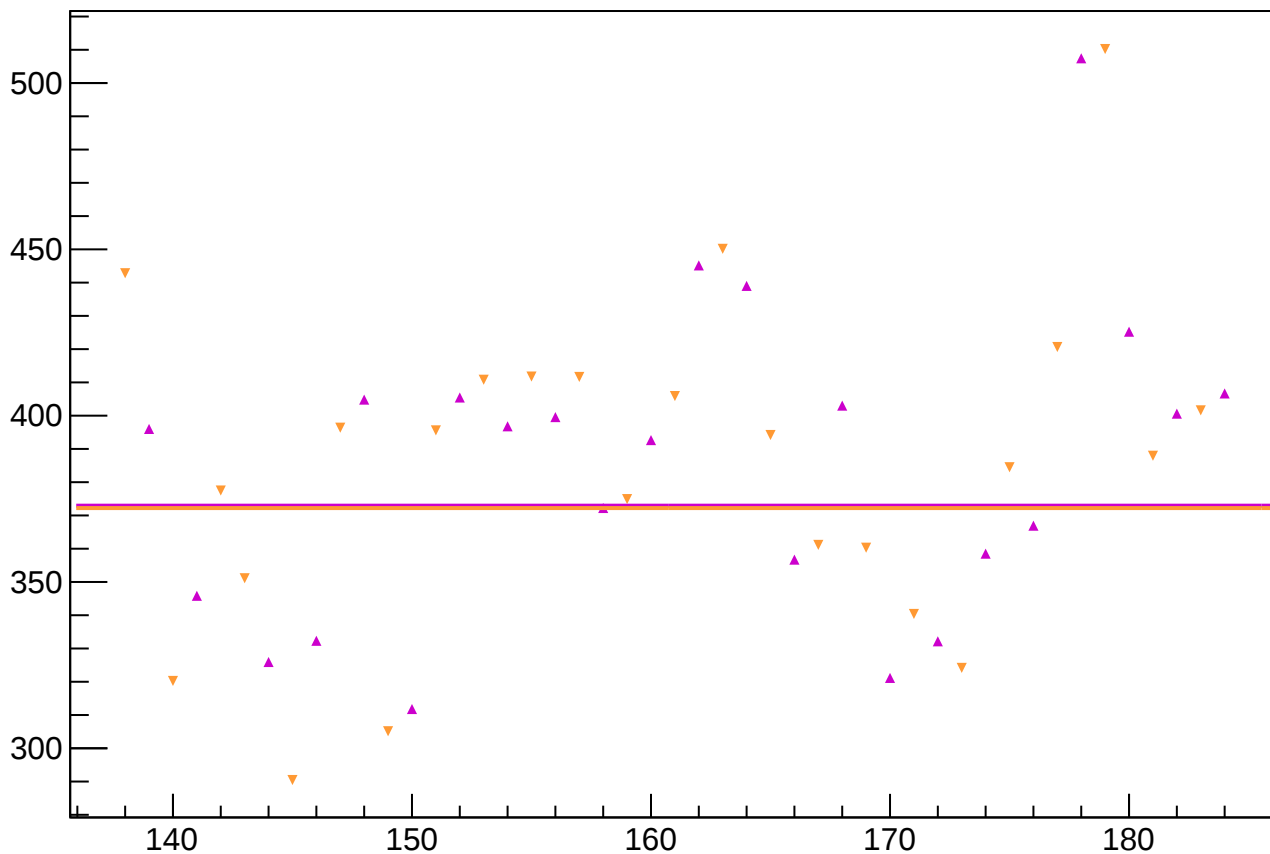
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 110.341+/-90.084 χ^2/NDF :29.2/22

Out: -350.438+/-88.529 χ^2/NDF :26.9/23

All: -124.060+/-63.142 χ^2/NDF : 69.4/46

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 372.216+/-0.063 χ^2/NDF :594484.3/23

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: 372.570+/-0.045 χ^2/NDF : 1061890.6/46

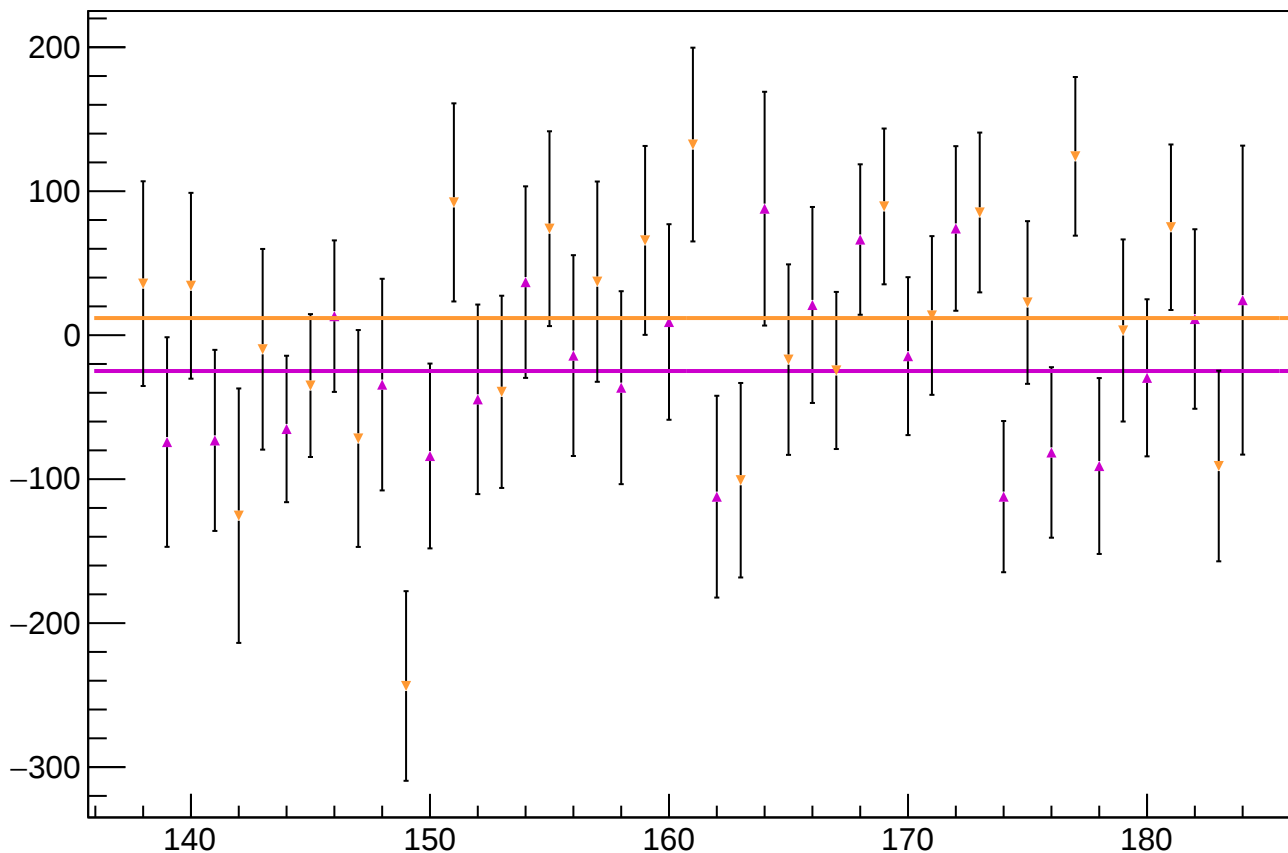
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 372.938+/-0.064 χ^2/NDF :467340.9/22

Out: 372.216+/-0.063 χ^2/NDF :594484.3/23

All: 372.570+/-0.045 χ^2/NDF : 1061890.6/46

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: 11.894 ± 12.802 χ^2/NDF : 41.8/23

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: -6.174 ± 9.132 χ^2/NDF : 65.6/46

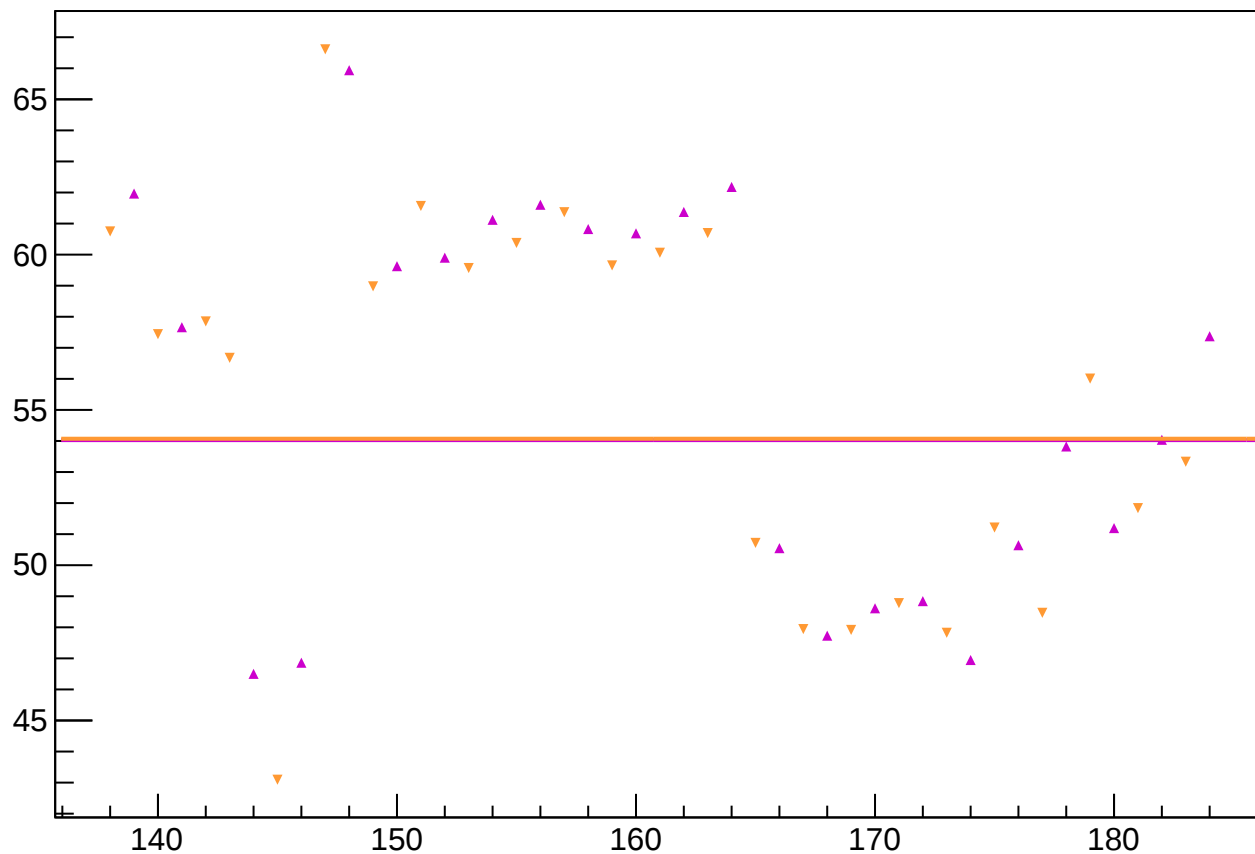
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -24.887 ± 13.029 χ^2/NDF : 19.7/22

Out: 11.894 ± 12.802 χ^2/NDF : 41.8/23

All: -6.174 ± 9.132 χ^2/NDF : 65.6/46

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: 54.072+/-0.009 χ^2/NDF : 451157.2/23

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: 54.050+/-0.006 χ^2/NDF : 894988.6/46

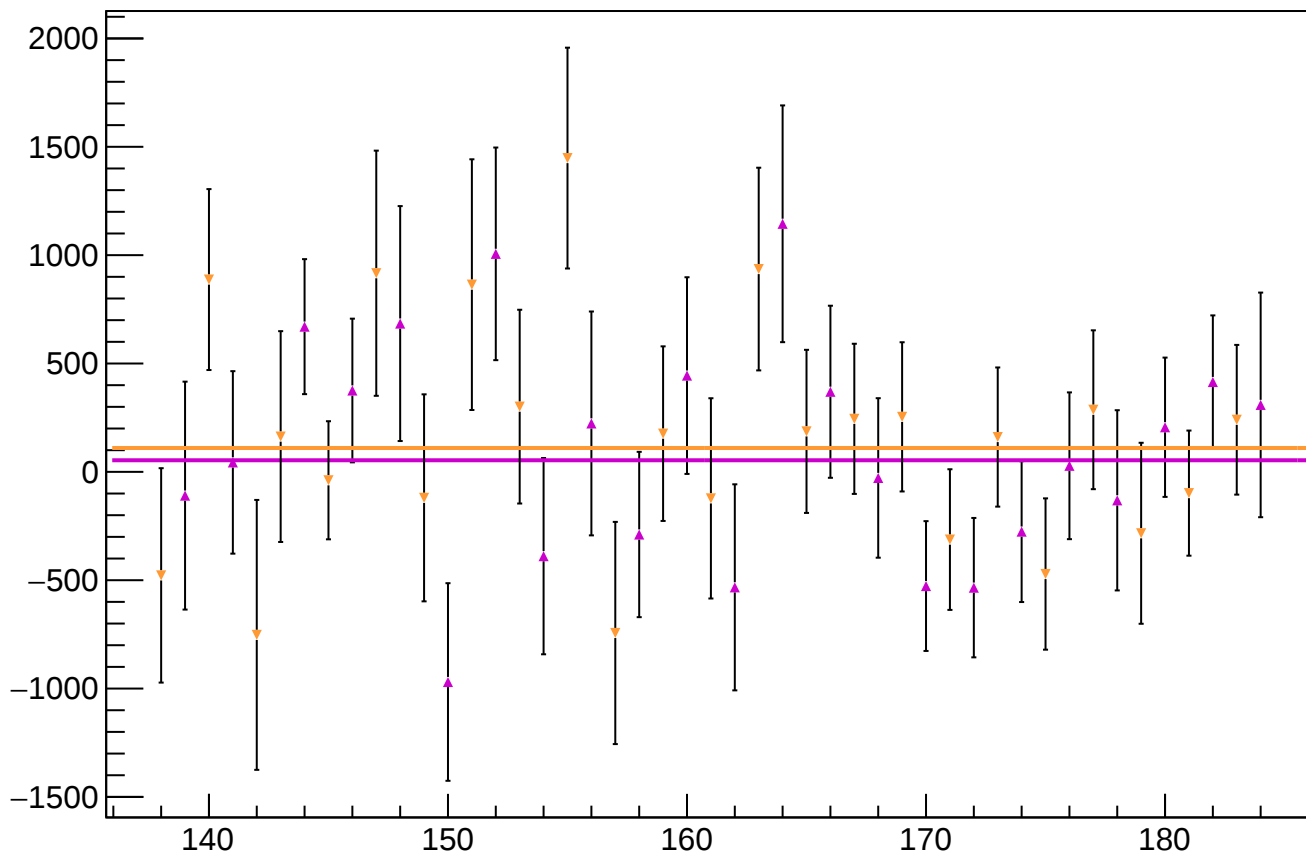
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 54.028+/-0.009 χ^2/NDF : 443819.5/22

Out: 54.072+/-0.009 χ^2/NDF : 451157.2/23

All: 54.050+/-0.006 χ^2/NDF : 894988.6/46

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 110.127 $\pm$ 80.726 χ^2 /NDF:31.0/23

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

Left In: 53.493 $\pm$ 81.201 χ^2 /NDF:34.1/22

Left: 81.976 $\pm$ 57.249 χ^2 /NDF: 65.3/46

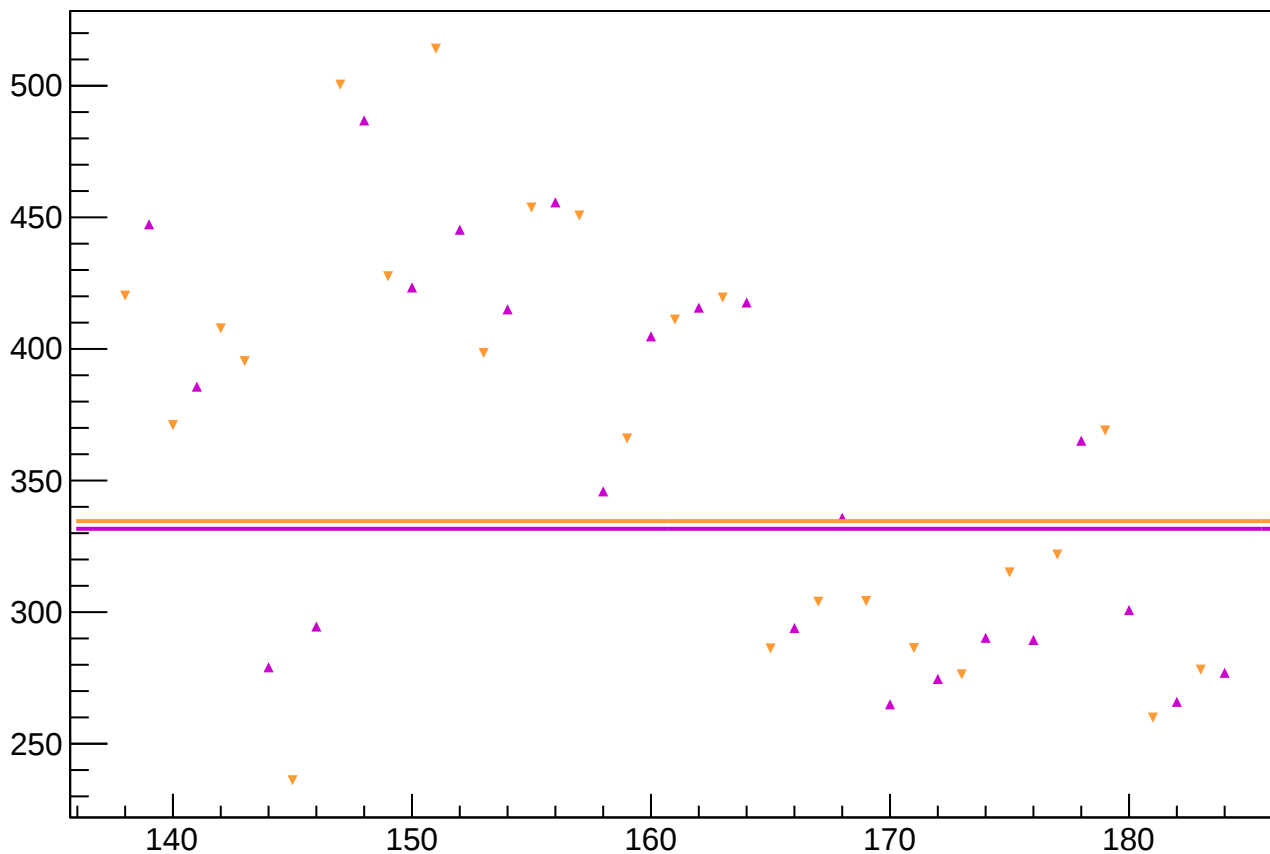
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 53.493 $\pm$ 81.201 χ^2 /NDF:34.1/22

Out: 110.127 $\pm$ 80.726 χ^2 /NDF:31.0/23

All: 81.976 $\pm$ 57.249 χ^2 /NDF: 65.3/46

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: 334.580+/-0.057 χ^2/NDF :1605016.8/23

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: 333.132+/-0.040 χ^2/NDF : 2909505.0/46

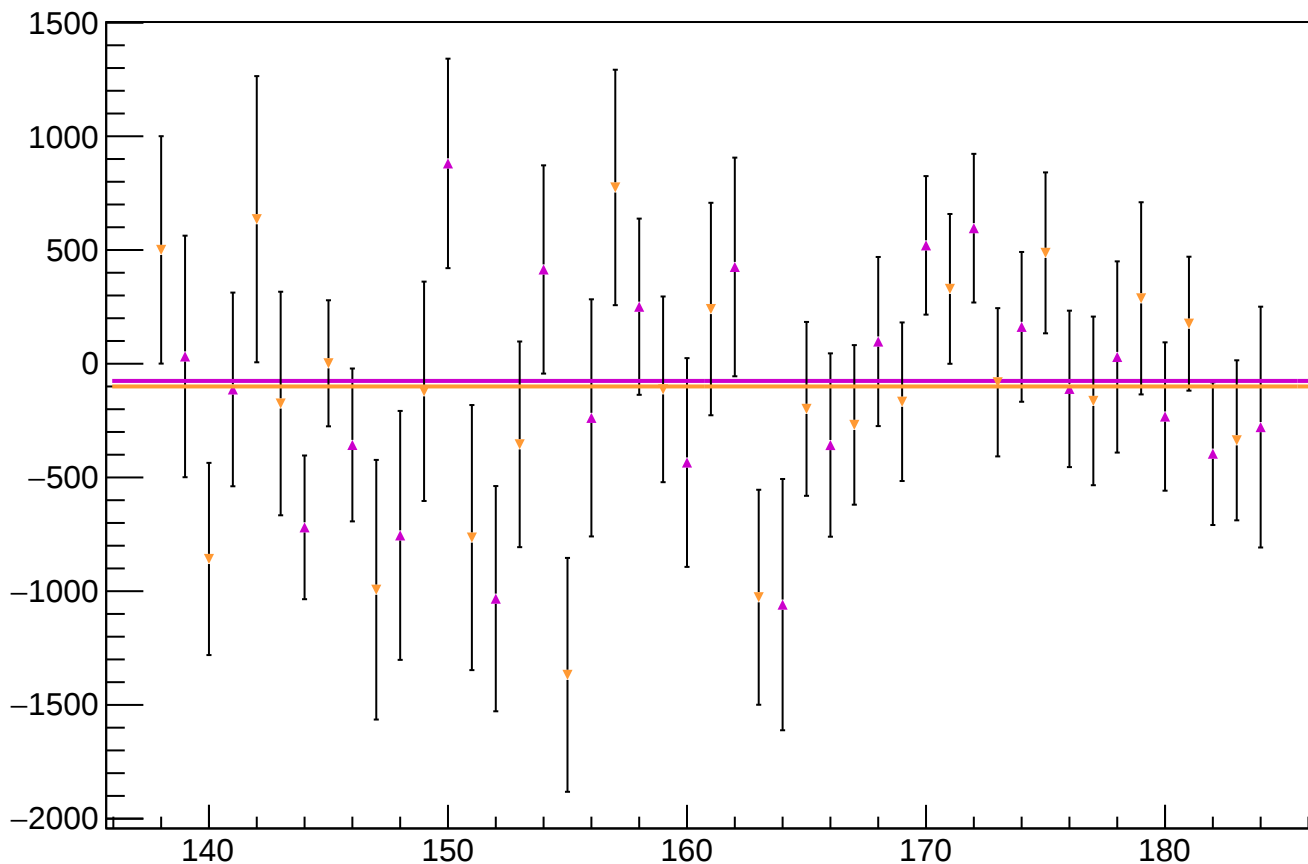
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 331.666+/-0.057 χ^2/NDF :1303192.2/22

Out: 334.580+/-0.057 χ^2/NDF :1605016.8/23

All: 333.132+/-0.040 χ^2/NDF : 2909505.0/46

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -99.957 $\pm$ -81.810 χ^2 /NDF:30.6/23

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

Left In: -75.579 $\pm$ -82.319 χ^2 /NDF:32.1/22

Left: -87.843 $\pm$ -58.027 χ^2 /NDF: 62.7/46

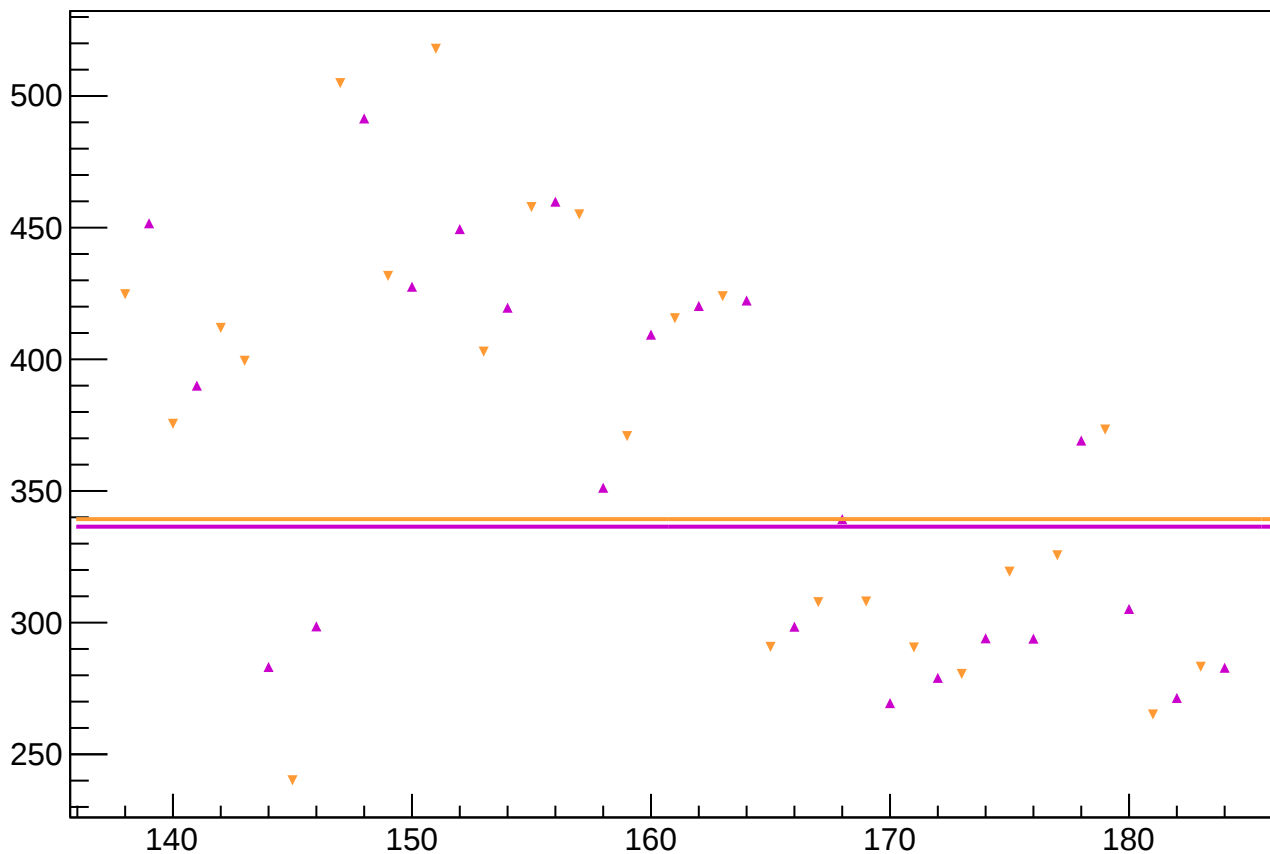
Right: 0.000 $\pm$ -0.000 χ^2 /NDF: 0.0/0

In: -75.579 $\pm$ -82.319 χ^2 /NDF:32.1/22

Out: -99.957 $\pm$ -81.810 χ^2 /NDF:30.6/23

All: -87.843 $\pm$ -58.027 χ^2 /NDF: 62.7/46

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 339.312+/-0.058 χ^2/NDF :1564169.0/23

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: 337.884+/-0.041 χ^2/NDF : 2834460.1/46

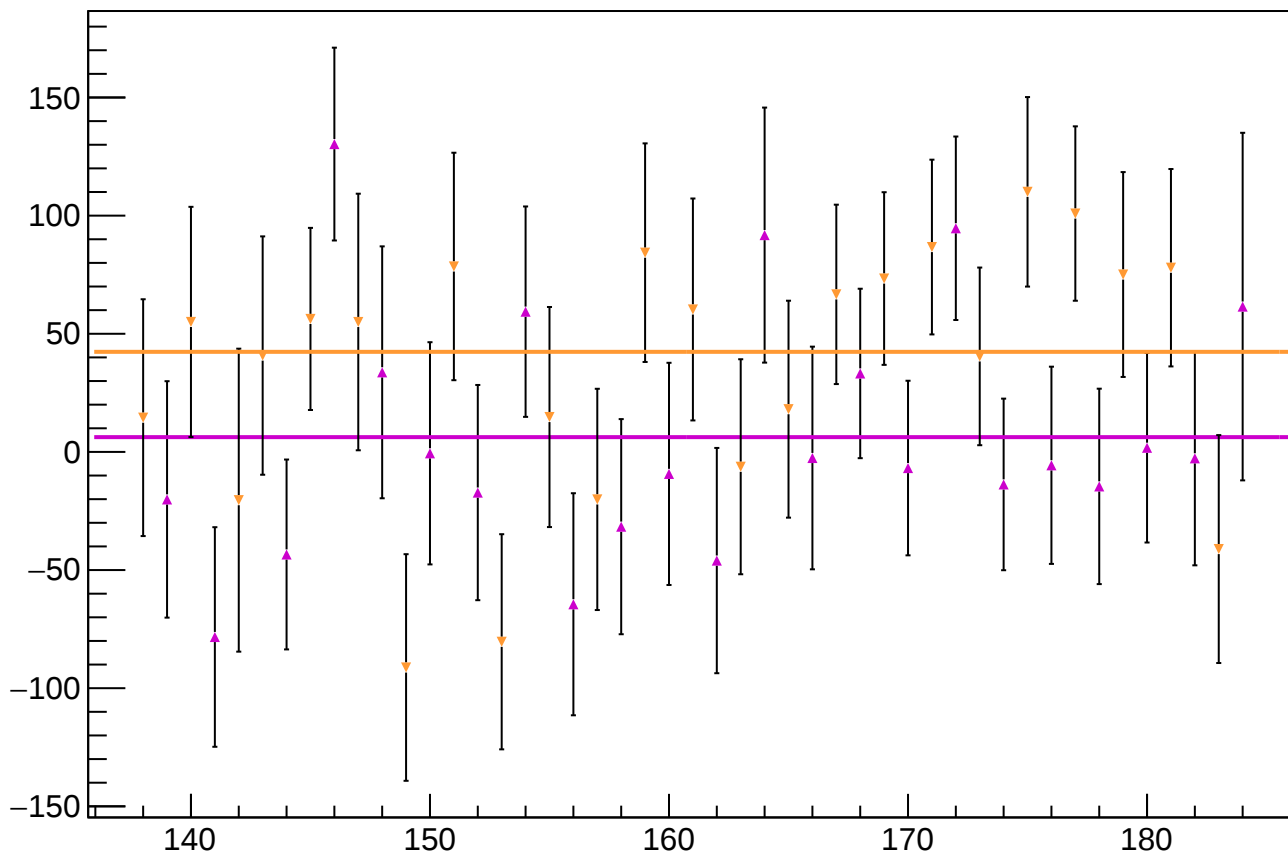
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 336.439+/-0.058 χ^2/NDF :1269066.3/22

Out: 339.312+/-0.058 χ^2/NDF :1564169.0/23

All: 337.884+/-0.041 χ^2/NDF : 2834460.1/46

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: 42.358 $\pm$ 8.985 χ^2 /NDF:33.9/23

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: 24.682 $\pm$ 6.420 χ^2 /NDF: 72.0/46

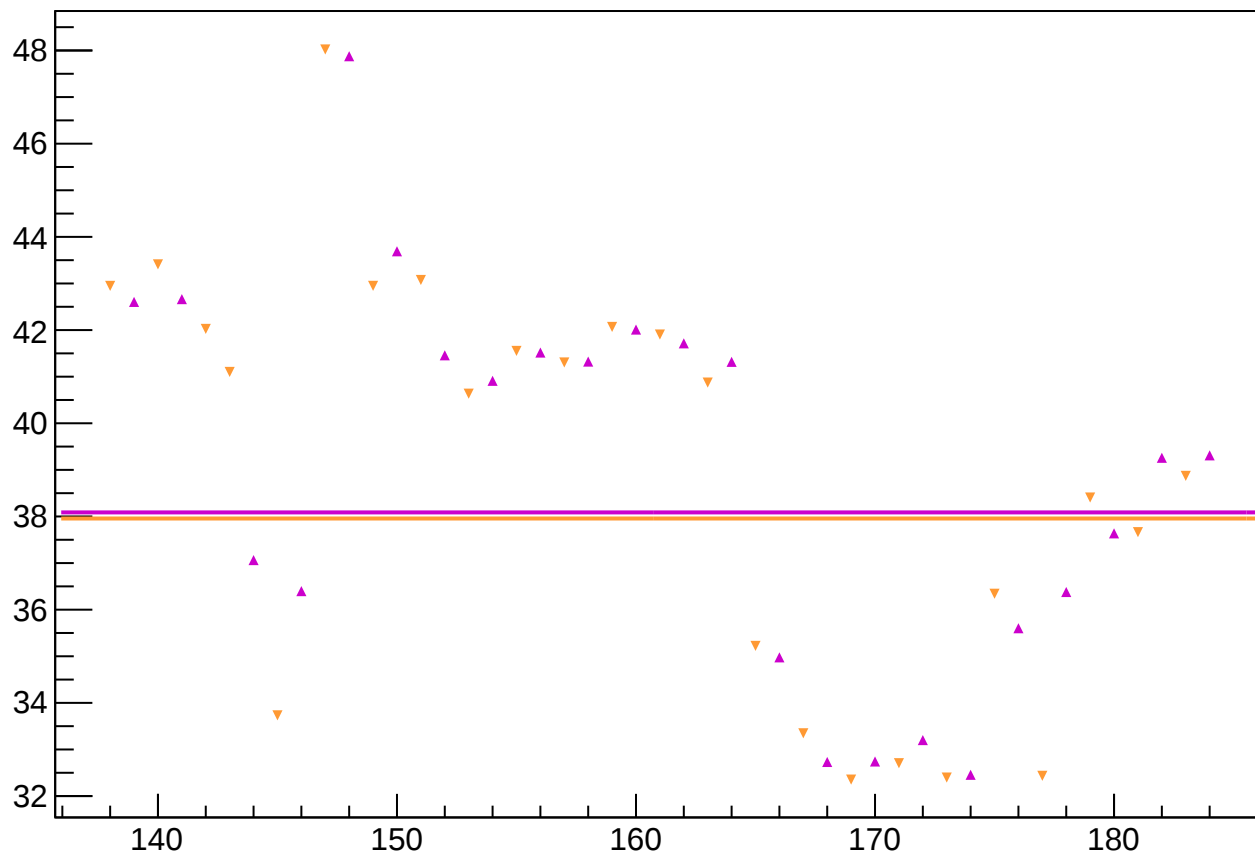
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 6.254 $\pm$ 9.175 χ^2 /NDF:30.3/22

Out: 42.358 $\pm$ 8.985 χ^2 /NDF:33.9/23

All: 24.682 $\pm$ 6.420 χ^2 /NDF: 72.0/46

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: 37.957+/-0.006 χ^2/NDF :481744.8/23

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: 38.021+/-0.005 χ^2/NDF : 878286.6/46

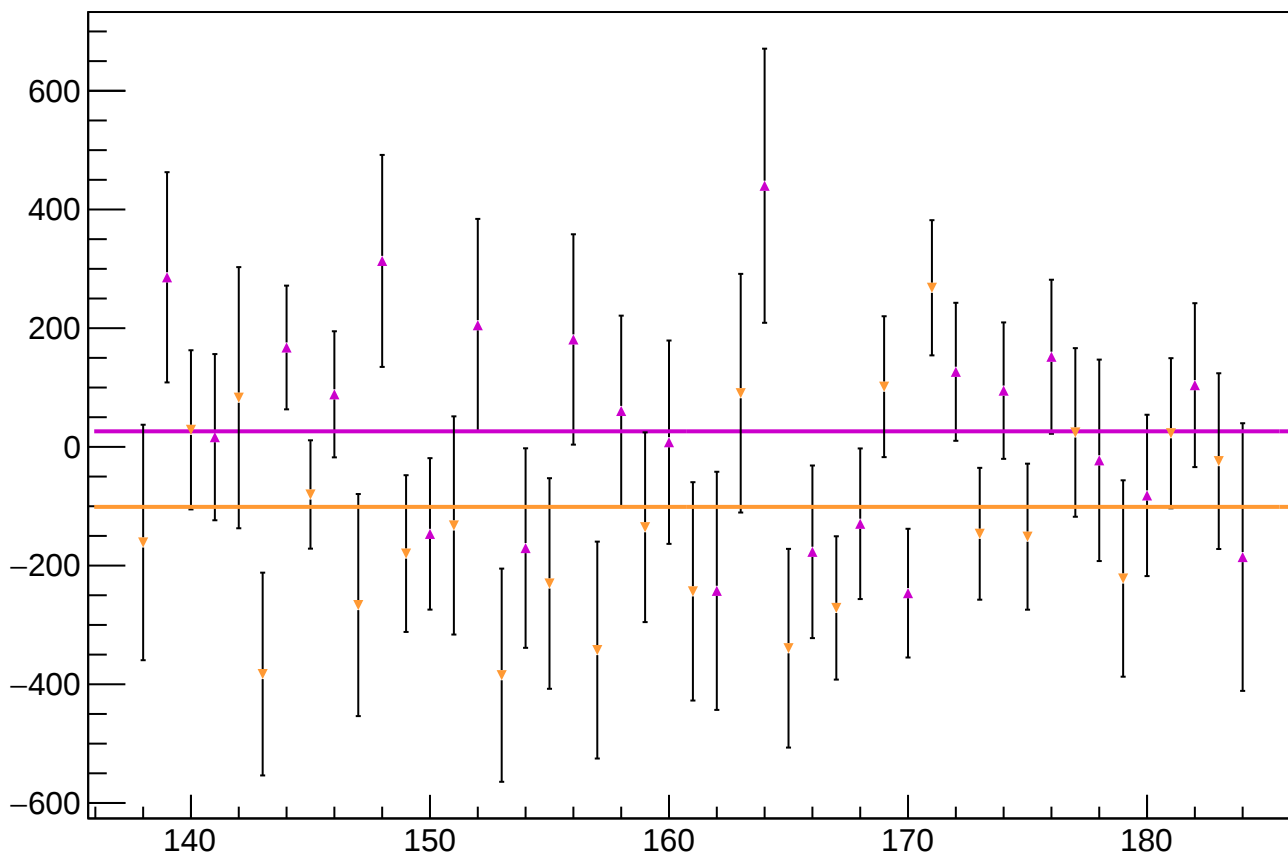
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 38.087+/-0.006 χ^2/NDF :396334.5/22

Out: 37.957+/-0.006 χ^2/NDF :481744.8/23

All: 38.021+/-0.005 χ^2/NDF : 878286.6/46

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -101.081 $\pm$ 29.473 χ^2 /NDF:32.3/23

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

Left In: 26.223 $\pm$ 29.676 χ^2 /NDF:30.7/22

Left: -37.865 $\pm$ 20.912 χ^2 /NDF: 72.2/46

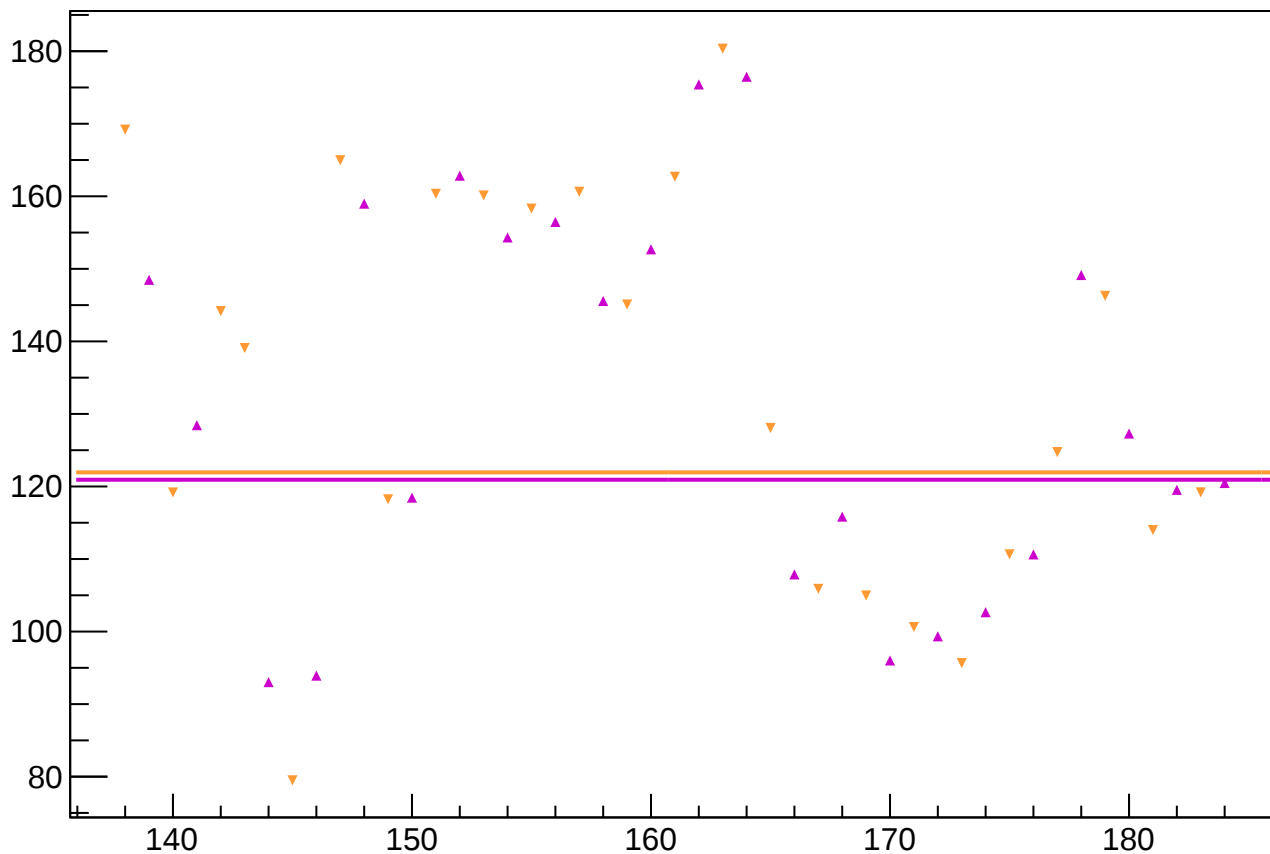
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 26.223 $\pm$ 29.676 χ^2 /NDF:30.7/22

Out: -101.081 $\pm$ 29.473 χ^2 /NDF:32.3/23

All: -37.865 $\pm$ 20.912 χ^2 /NDF: 72.2/46

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: 121.944+/-0.021 χ^2/NDF :1685116.9/23

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: 121.439+/-0.015 χ^2/NDF : 3069160.3/46

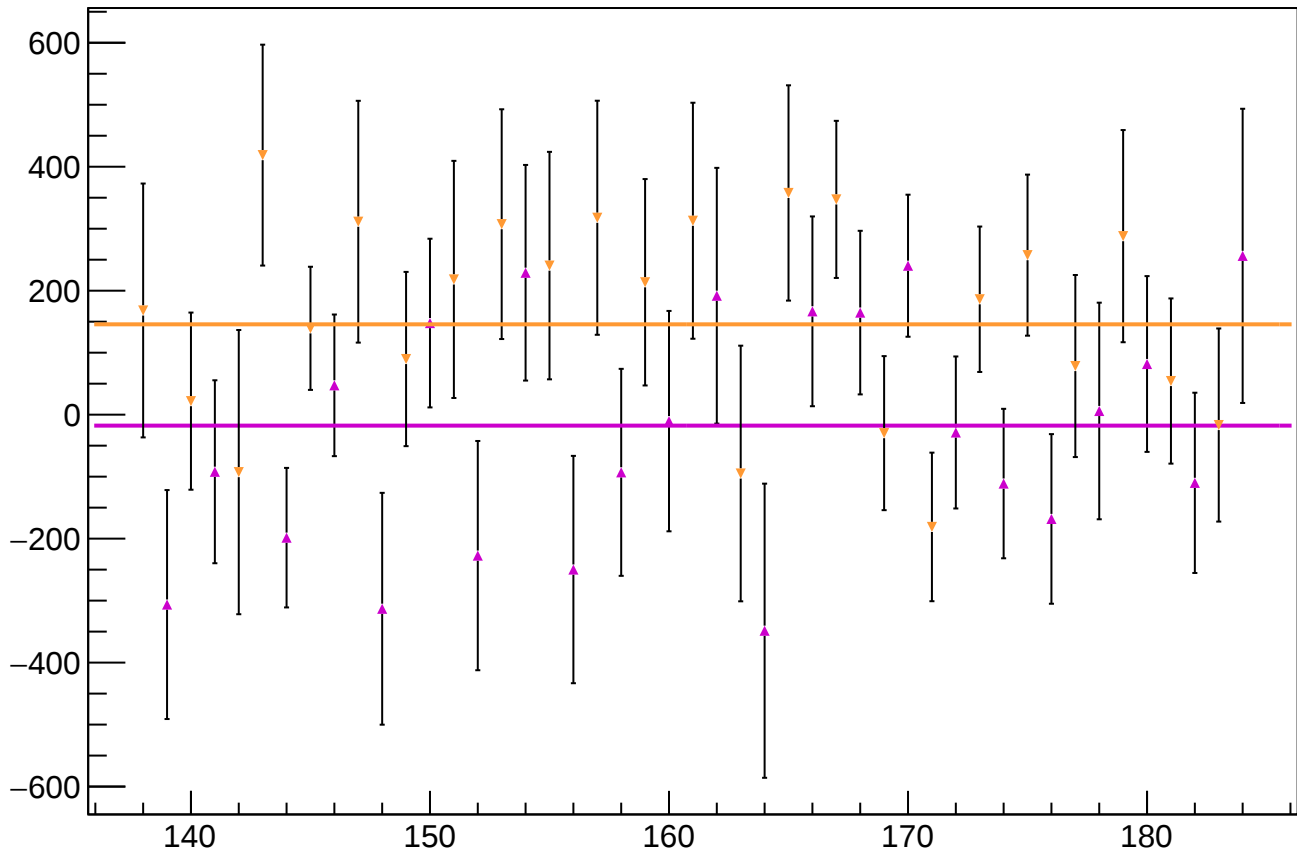
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 120.927+/-0.021 χ^2/NDF :1382861.4/22

Out: 121.944+/-0.021 χ^2/NDF :1685116.9/23

All: 121.439+/-0.015 χ^2/NDF : 3069160.3/46

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: 145.738 $\pm$ 30.968 χ^2 /NDF:26.1/23

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: 64.662 $\pm$ 21.982 χ^2 /NDF: 70.1/46

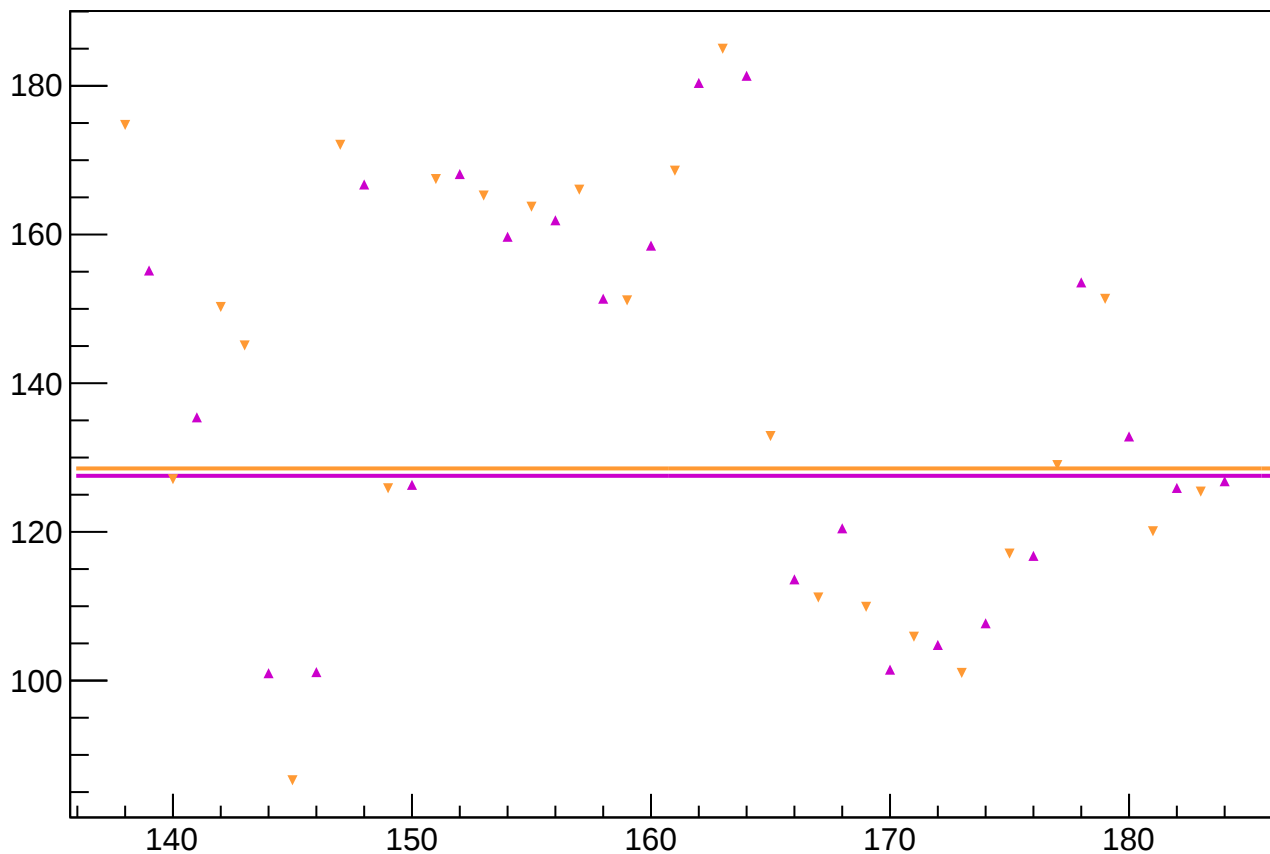
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -17.679 $\pm$ 31.209 χ^2 /NDF:30.1/22

Out: 145.738 $\pm$ 30.968 χ^2 /NDF:26.1/23

All: 64.662 $\pm$ 21.982 χ^2 /NDF: 70.1/46

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 128.535+/-0.022 χ^2/NDF :1508309.1/23

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: 128.043+/-0.016 χ^2/NDF : 2745031.3/46

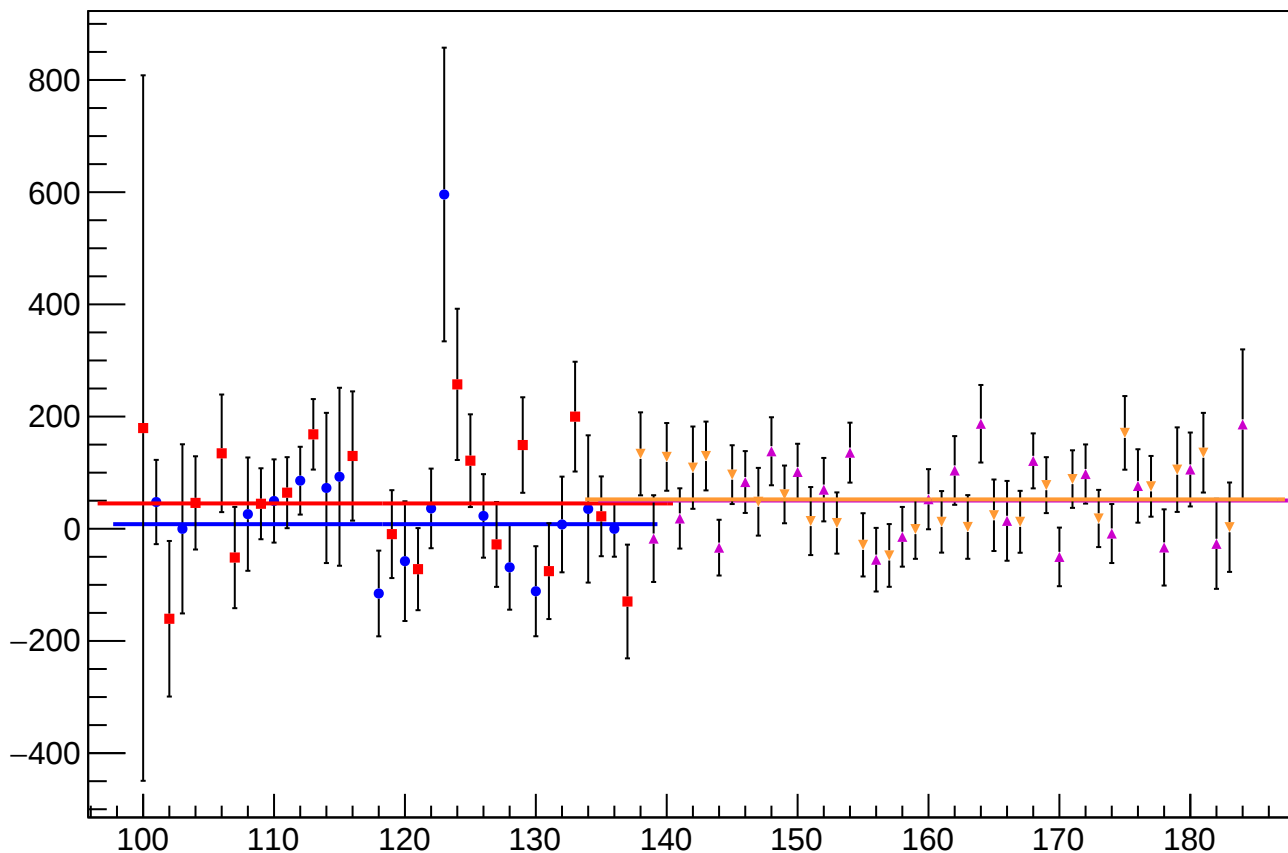
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 127.544+/-0.022 χ^2/NDF :1235705.3/22

Out: 128.535+/-0.022 χ^2/NDF :1508309.1/23

All: 128.043+/-0.016 χ^2/NDF : 2745031.3/46

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 8.177 ± 20.186 χ^2/NDF : 14.3/16

Left Out: 52.318 ± 11.942 χ^2/NDF : 21.9/23

Right Out: 45.139 ± 19.459 χ^2/NDF : 25.0/18

Left In: 50.331 ± 12.253 χ^2/NDF : 32.2/22

Left: 51.350 ± 8.552 χ^2/NDF : 54.1/46

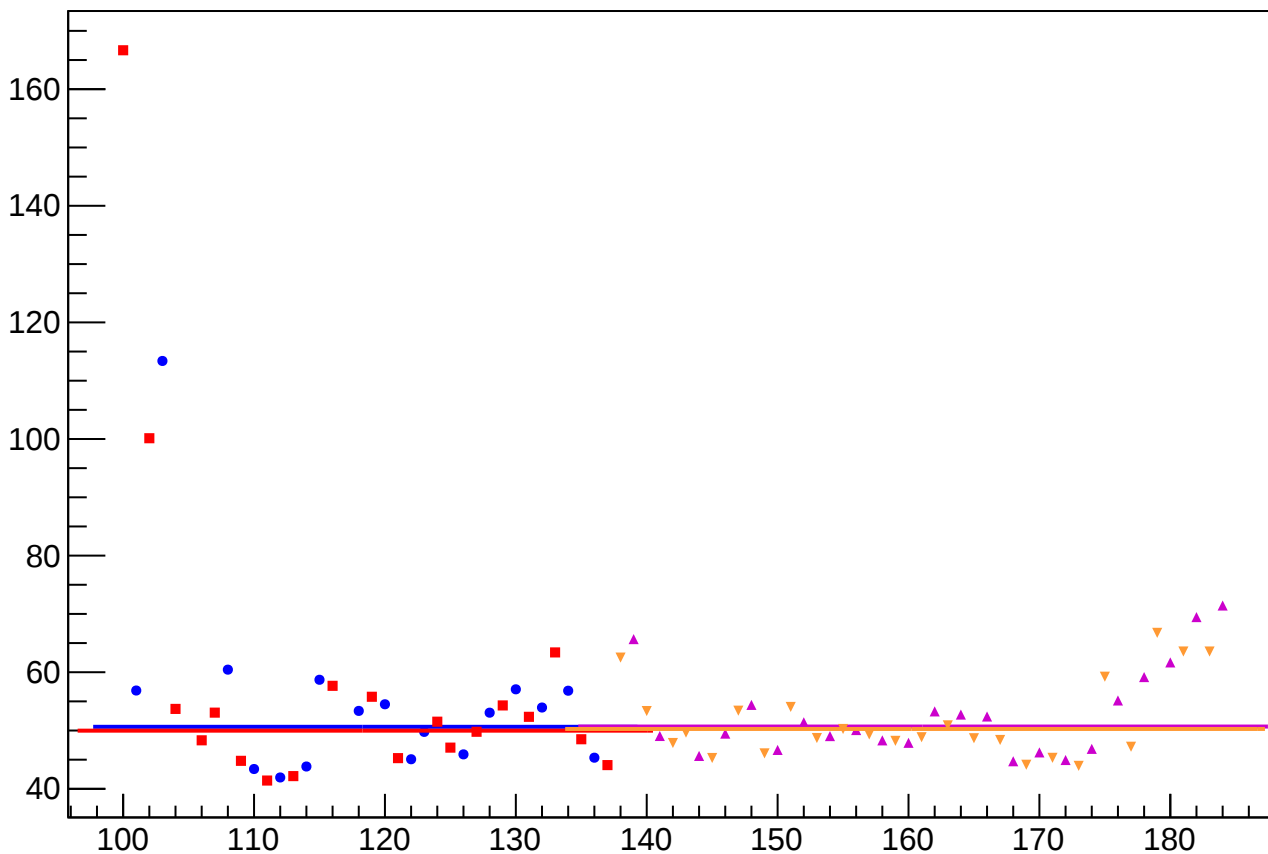
Right: 27.335 ± 14.009 χ^2/NDF : 41.0/35

In: 38.980 ± 10.475 χ^2/NDF : 49.7/39

Out: 50.354 ± 10.178 χ^2/NDF : 46.9/42

All: 44.830 ± 7.300 χ^2/NDF : 97.3/82

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: 50.269 $\pm$ 0.008 χ^2 /NDF: 461684.8/23

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: 50.471 $\pm$ 0.006 χ^2 /NDF: 932147.1/46

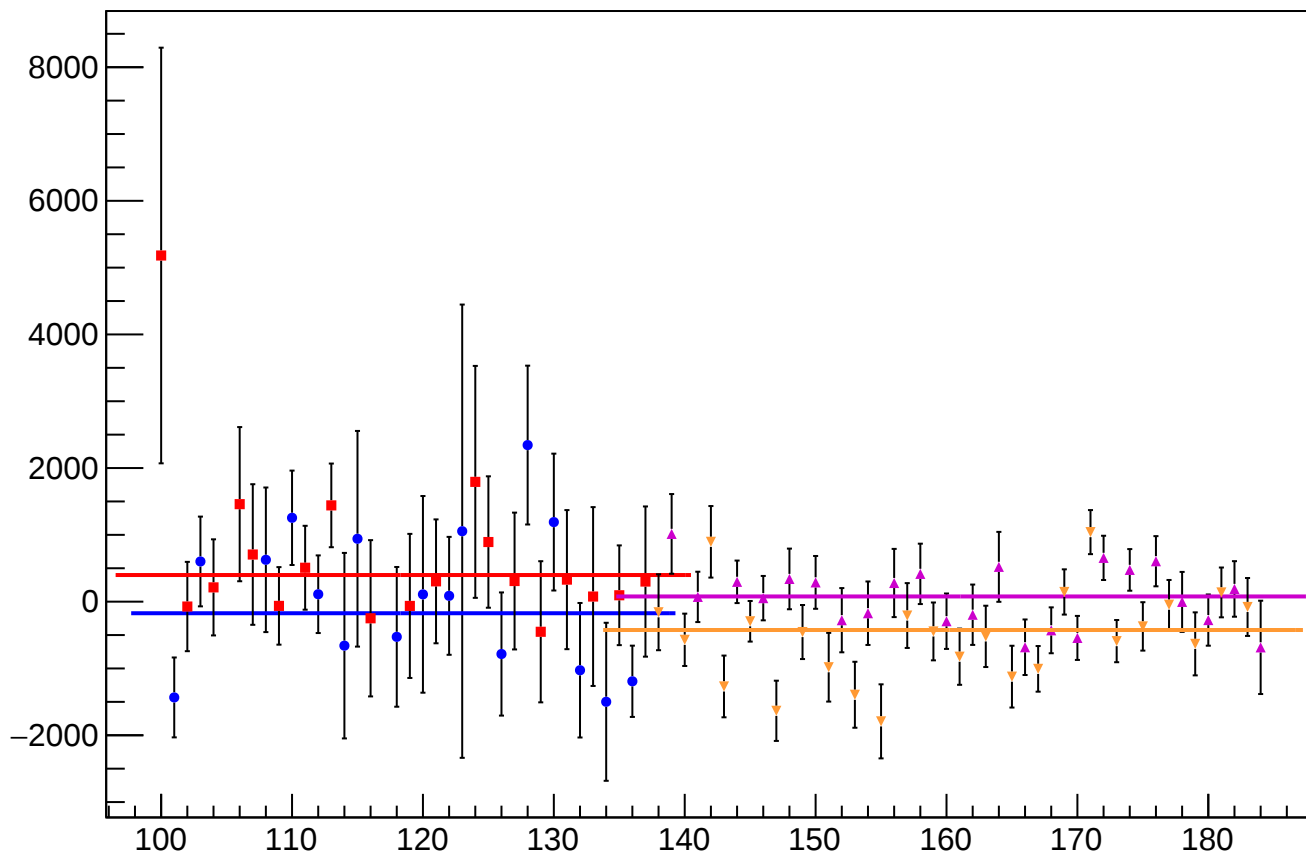
Right: 50.295 $\pm$ 0.010 χ^2 /NDF: 1022337.4/35

In: 50.671 $\pm$ 0.007 χ^2 /NDF: 989584.5/39

Out: 50.189 $\pm$ 0.007 χ^2 /NDF: 962956.0/42

All: 50.423 $\pm$ 0.005 χ^2 /NDF: 1954712.7/82

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -173.371+/-210.671 χ^2/NDF : 23.9/16

Left Out: -424.348+/-83.369 χ^2/NDF : 61.6/23

Right Out: 398.617+/-204.042 χ^2/NDF : 9.6/18

Left In: 77.872+/-84.072 χ^2/NDF : 24.8/22

Left: -175.348+/-59.198 χ^2/NDF : 104.5/46

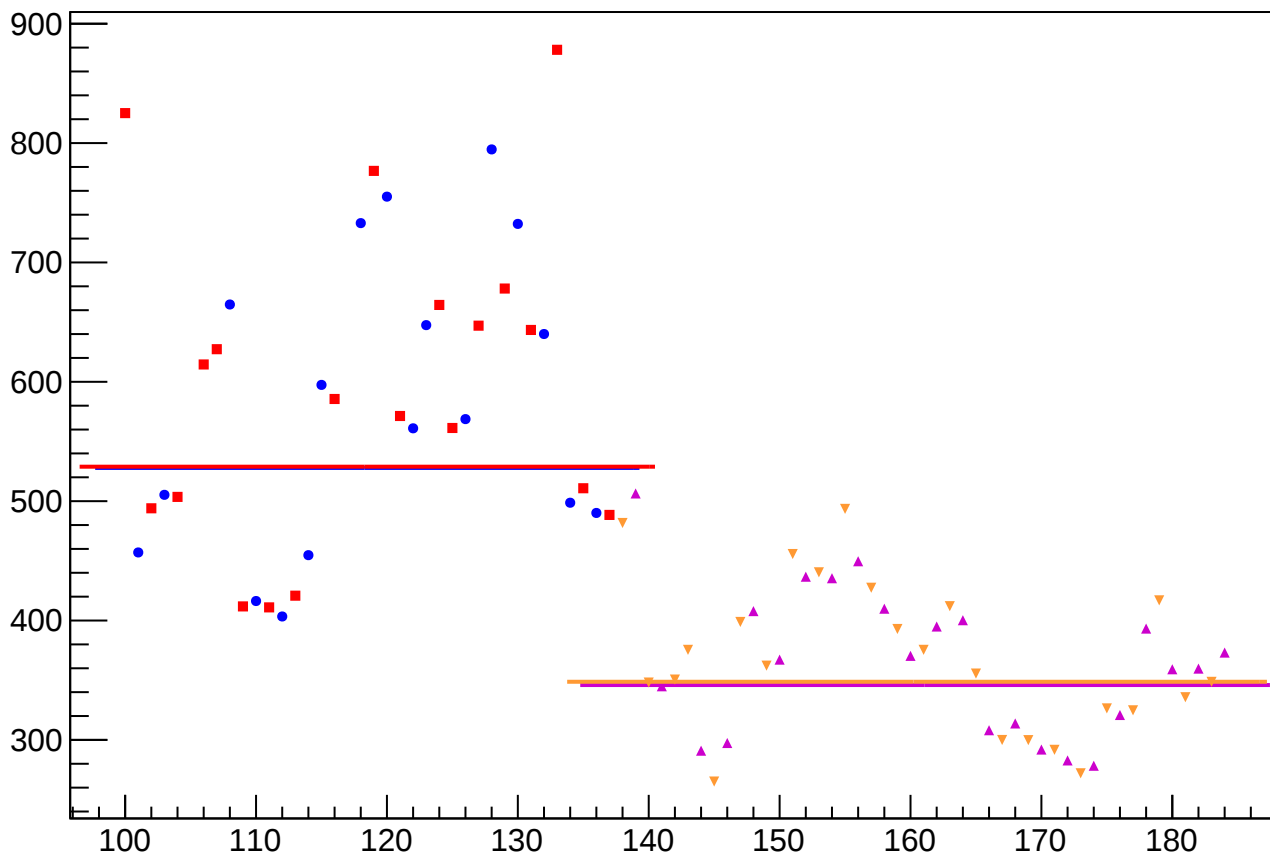
Right: 121.764+/-146.567 χ^2/NDF : 37.3/35

In: 43.356+/-78.084 χ^2/NDF : 50.0/39

Out: -306.614+/-77.175 χ^2/NDF : 85.1/42

All: -133.677+/-54.890 χ^2/NDF : 145.3/82

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.871+/-0.149 χ^2/NDF : 563444.4/16

Left Out: 348.705+/-0.059 χ^2/NDF : 1027229.6/23

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: 347.341+/-0.042 χ^2/NDF : 1929155.9/46

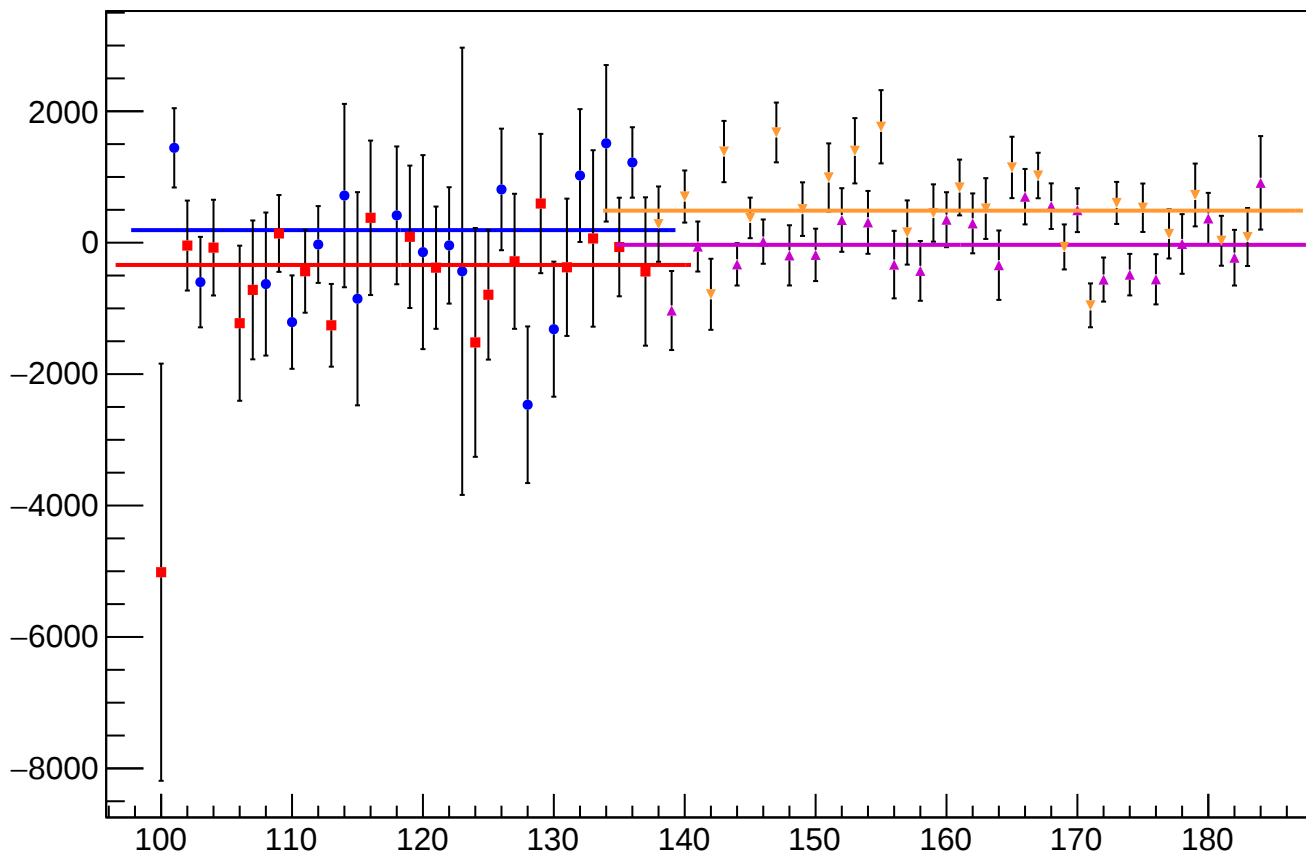
Right: 528.395+/-0.104 χ^2/NDF : 1189019.8/35

In: 370.945+/-0.055 χ^2/NDF : 2750722.1/39

Out: 374.481+/-0.055 χ^2/NDF : 2989267.6/42

All: 372.734+/-0.039 χ^2/NDF : 5742064.3/82

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 190.958 $\pm$ 212.155 χ^2 /NDF: 24.1/16

Left Out: 487.765 $\pm$ 84.328 χ^2 /NDF:56.6/23

Right Out: -339.084 $\pm$ 205.618 χ^2 /NDF: 8.2/18

Left In: -32.801 $\pm$ 85.064 χ^2 /NDF:25.7/22

Left: 229.741 $\pm$ 59.887 χ^2 /NDF: 101.1/46

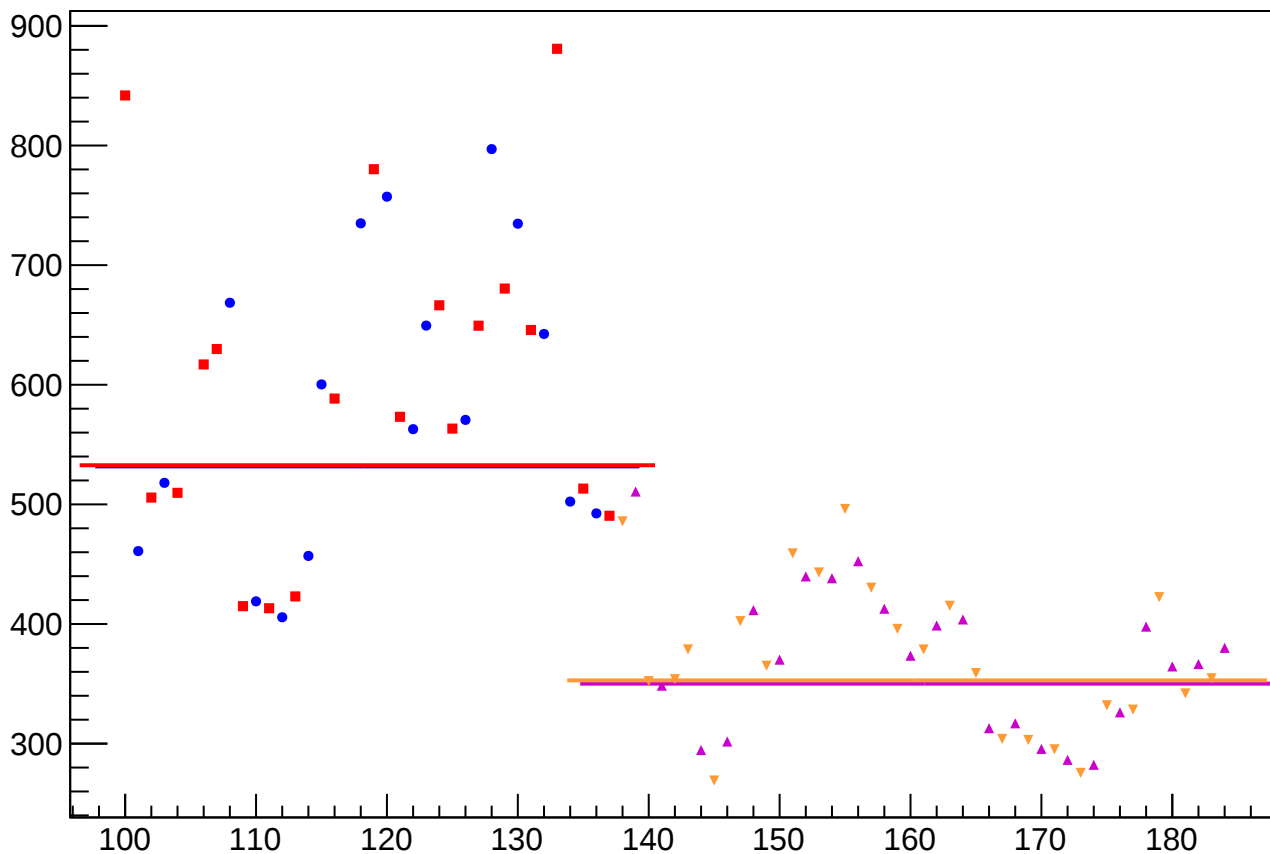
Right: -82.355 $\pm$ 147.651 χ^2 /NDF: 35.6/35

In: -1.811 $\pm$ 78.954 χ^2 /NDF:50.8/39

Out: 368.714 $\pm$ 78.022 χ^2 /NDF:78.6/42

All: 185.651 $\pm$ 55.496 χ^2 /NDF: 140.6/82

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.765 $\pm$ 0.150 χ^2 /NDF: 555969.6/16

Left Out: 352.859 $\pm$ 0.060 χ^2 /NDF:1000396.8/23

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: 351.521 $\pm$ 0.042 χ^2 /NDF: 1879792.2/46

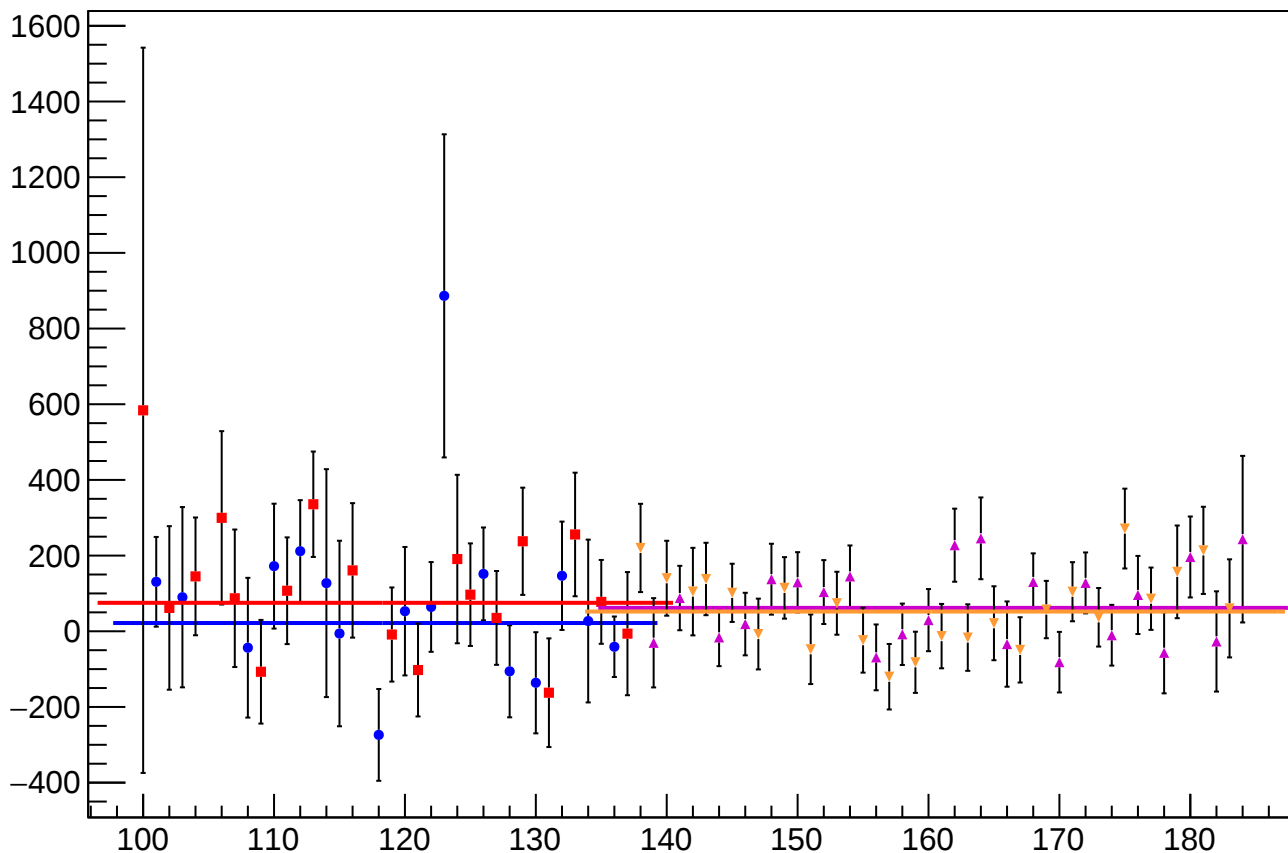
Right: 532.252 $\pm$ 0.104 χ^2 /NDF: 1173906.0/35

In: 375.312 $\pm$ 0.056 χ^2 /NDF:2696861.8/39

Out: 378.754 $\pm$ 0.055 χ^2 /NDF:2928127.1/42

All: 377.053 $\pm$ 0.039 χ^2 /NDF: 5626912.3/82

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 21.833 $\pm$ 34.638 χ^2 /NDF: 19.2/16

Left Out: 52.129 $\pm$ 18.474 χ^2 /NDF:24.4/23

Right Out: 75.207 $\pm$ 34.800 χ^2 /NDF: 15.5/18

Left In: 61.830 $\pm$ 18.958 χ^2 /NDF:24.0/22

Left: 56.854 $\pm$ 13.231 χ^2 /NDF: 48.5/46

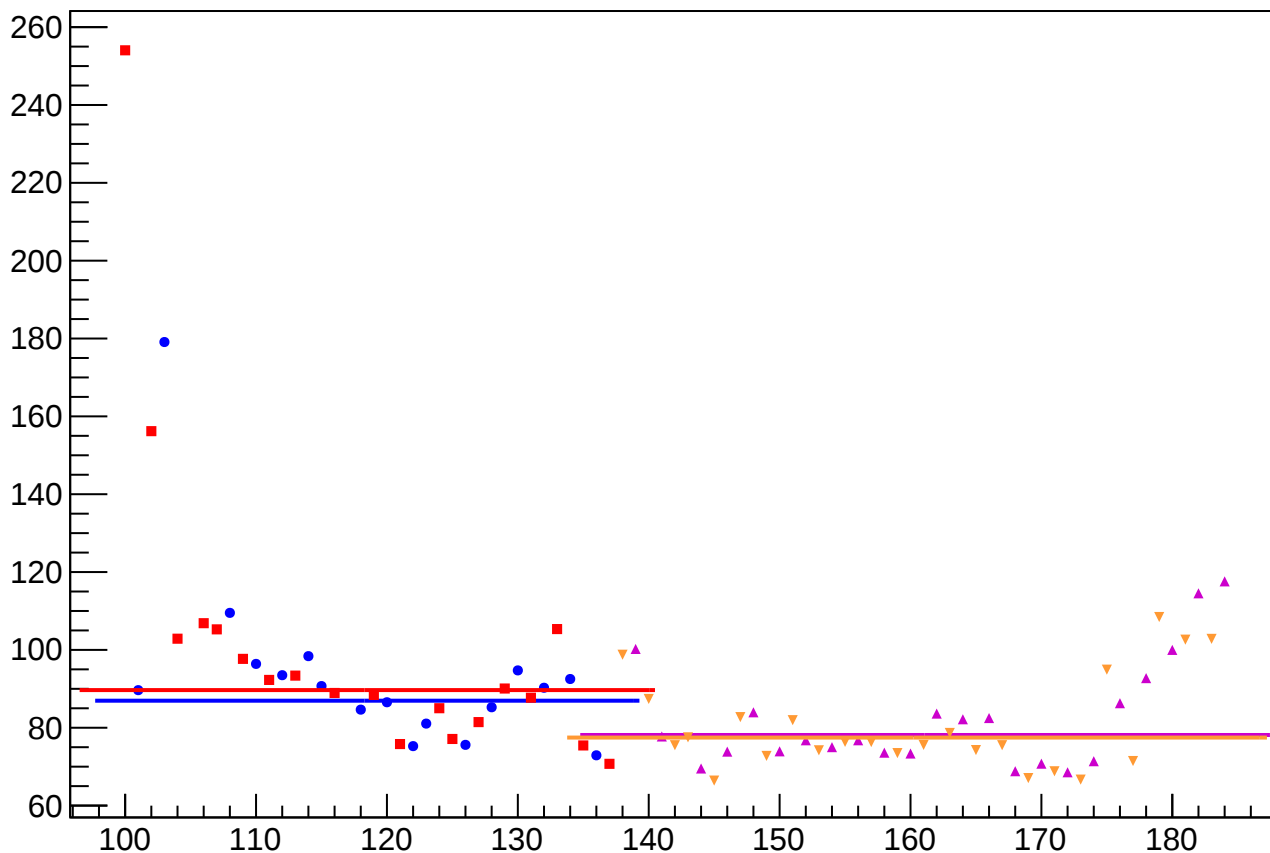
Right: 48.395 $\pm$ 24.550 χ^2 /NDF: 35.9/35

In: 52.610 $\pm$ 16.630 χ^2 /NDF:44.2/39

Out: 57.203 $\pm$ 16.318 χ^2 /NDF:40.2/42

All: 54.950 $\pm$ 11.647 χ^2 /NDF: 84.4/82

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: 77.477 $\pm$ 0.013 χ^2 /NDF: 626088.7/23

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: 77.799 $\pm$ 0.009 χ^2 /NDF: 1209445.9/46

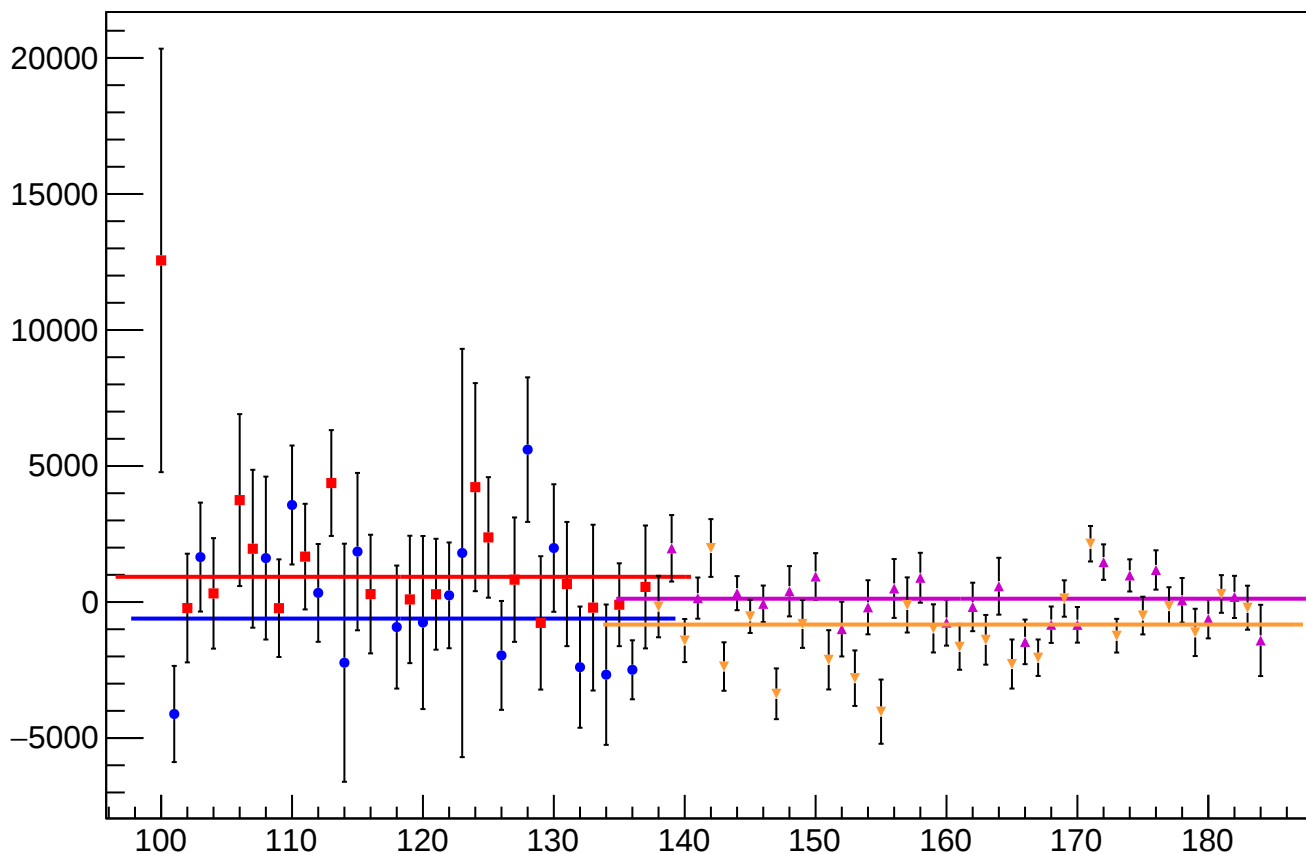
Right: 88.305 $\pm$ 0.017 χ^2 /NDF: 889035.0/35

In: 80.169 $\pm$ 0.012 χ^2 /NDF: 1135295.8/39

Out: 80.159 $\pm$ 0.012 χ^2 /NDF: 1247001.8/42

All: 80.164 $\pm$ 0.008 χ^2 /NDF: 2382297.9/82

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: -826.994 $\pm$ 164.847 χ^2 /NDF:66.6/23

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: -356.258 $\pm$ 117.038 χ^2 /NDF: 109.0/46

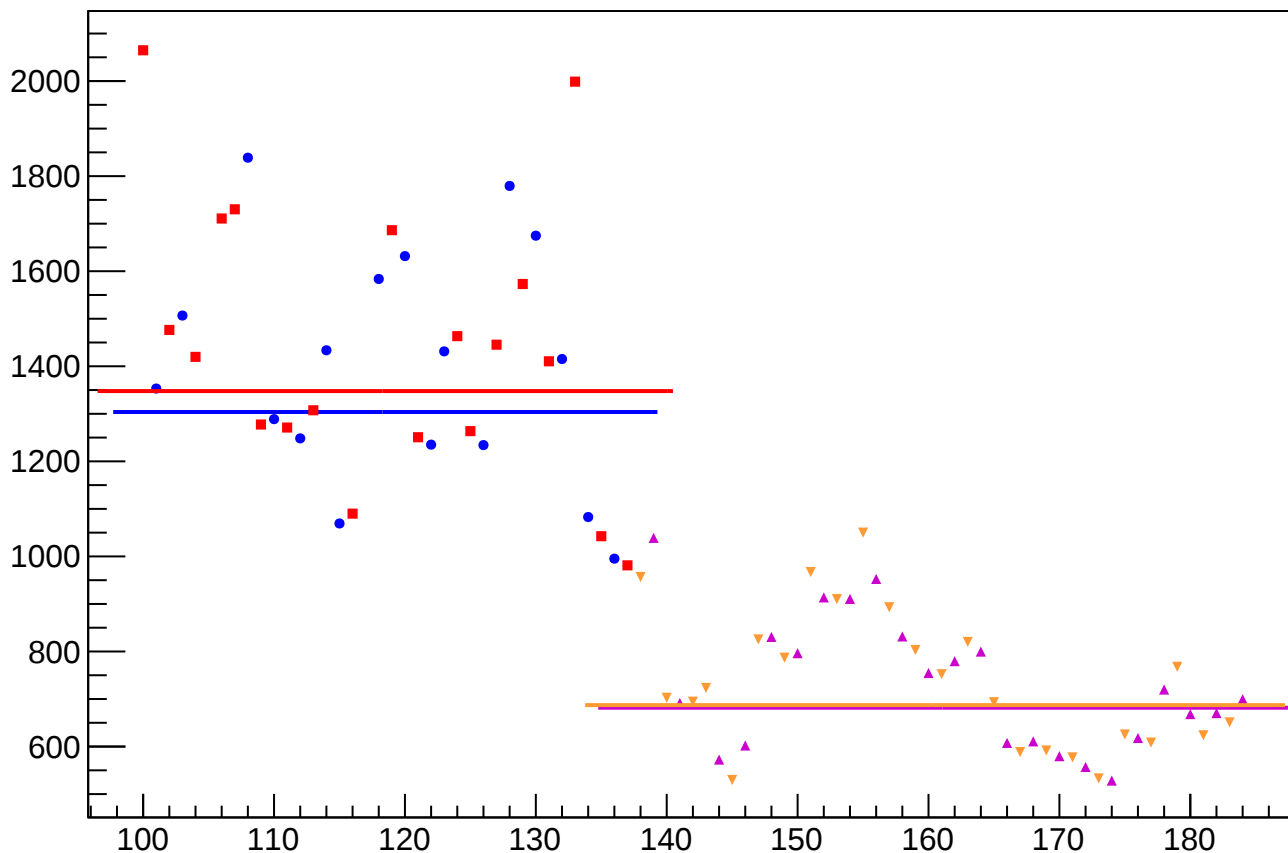
Right: 163.749 $\pm$ 365.570 χ^2 /NDF: 36.6/35

In: 54.129 $\pm$ 158.254 χ^2 /NDF:50.0/39

Out: -664.342 $\pm$ 157.022 χ^2 /NDF:87.0/42

All: -307.914 $\pm$ 111.465 χ^2 /NDF: 147.4/82

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.810+/-0.366 χ^2/NDF : 456027.3/16

Left Out: 687.186+/-0.117 χ^2/NDF : 1254175.2/23

Right Out: 1347.826+/-0.365 χ^2/NDF : 421434.3/18

Left In: 681.712+/-0.118 χ^2/NDF : 1119637.0/22

Left: 684.471+/-0.083 χ^2/NDF : 2374905.7/46

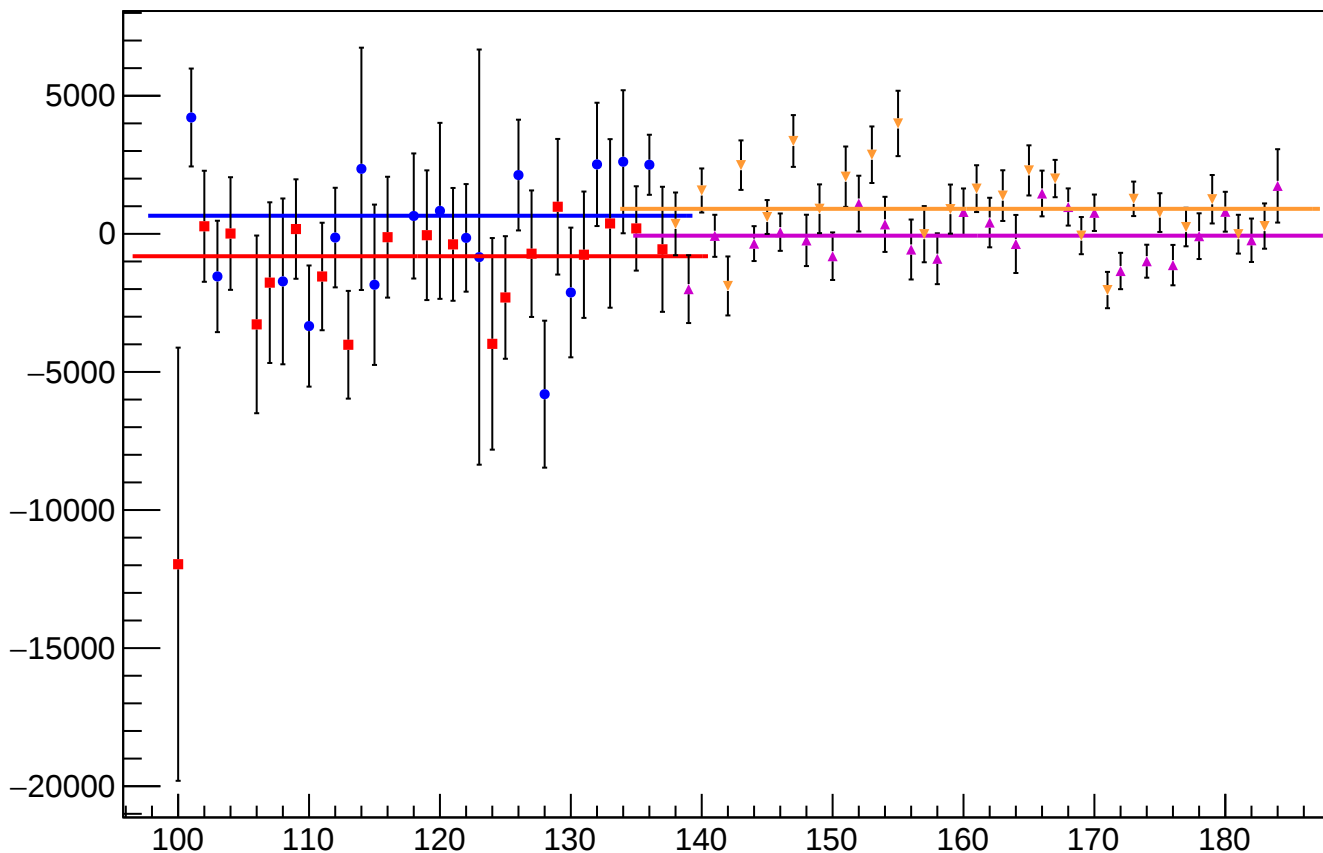
Right: 1325.922+/-0.258 χ^2/NDF : 884709.8/35

In: 739.727+/-0.112 χ^2/NDF : 4189050.3/39

Out: 748.416+/-0.111 χ^2/NDF : 4652725.6/42

All: 744.105+/-0.079 χ^2/NDF : 8844813.5/82

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 655.779 $\pm$ 519.695 χ^2 /NDF: 22.4/16

Left Out: 905.990 $\pm$ 166.092 χ^2 /NDF:62.2/23

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: 424.090 $\pm$ 117.934 χ^2 /NDF: 105.6/46

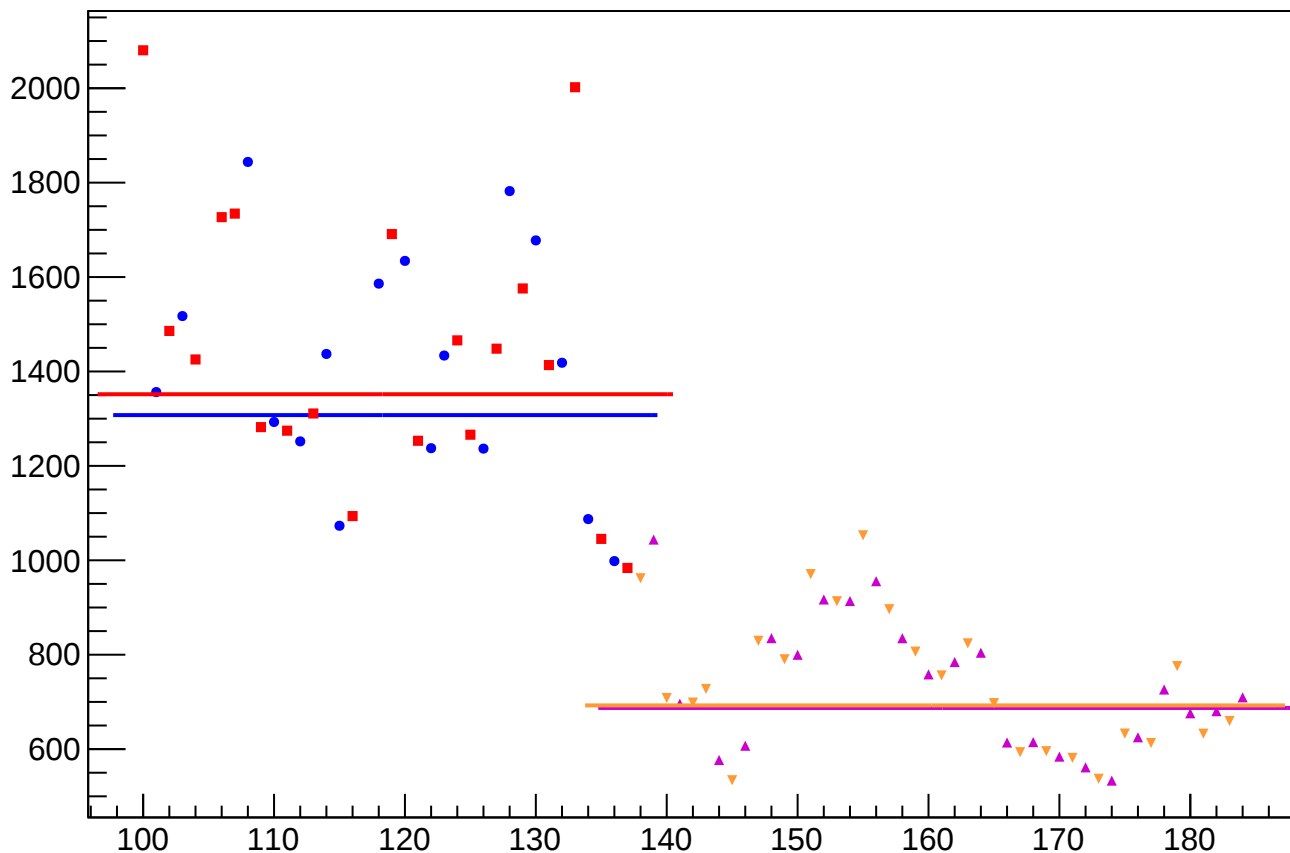
Right: -80.392 $\pm$ 366.697 χ^2 /NDF: 35.3/35

In: 1.980 $\pm$ 159.411 χ^2 /NDF:50.6/39

Out: 745.698 $\pm$ 158.146 χ^2 /NDF:81.0/42

All: 376.800 $\pm$ 112.271 χ^2 /NDF: 142.6/82

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1307.585 +/- 0.367 χ^2/NDF : 455146.3/16

Left Out: 692.599 +/- 0.117 χ^2/NDF : 1232134.2/23

Right Out: 1351.755 +/- 0.366 χ^2/NDF : 422451.1/18

Left In: 687.216 +/- 0.118 χ^2/NDF : 1099706.1/22

Left: 689.930 +/- 0.083 χ^2/NDF : 2332881.6/46

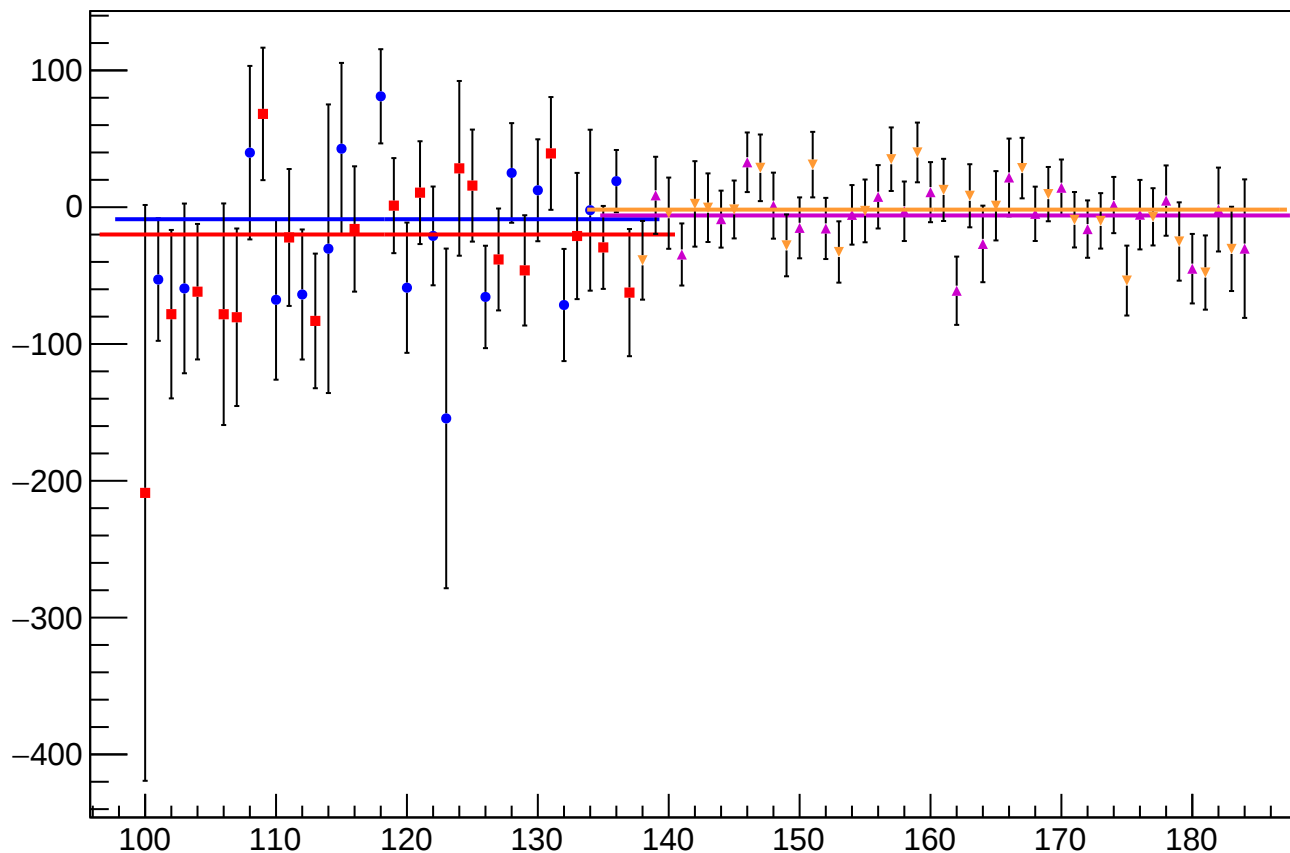
Right: 1329.764 +/- 0.259 χ^2/NDF : 884852.0/35

In: 745.586 +/- 0.113 χ^2/NDF : 4136624.8/39

Out: 754.160 +/- 0.112 χ^2/NDF : 4596473.7/42

All: 749.907 +/- 0.079 χ^2/NDF : 8736014.0/82

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: -1.773 ± 4.820 χ^2/NDF : 26.3/23

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: -3.861 ± 3.445 χ^2/NDF : 43.6/46

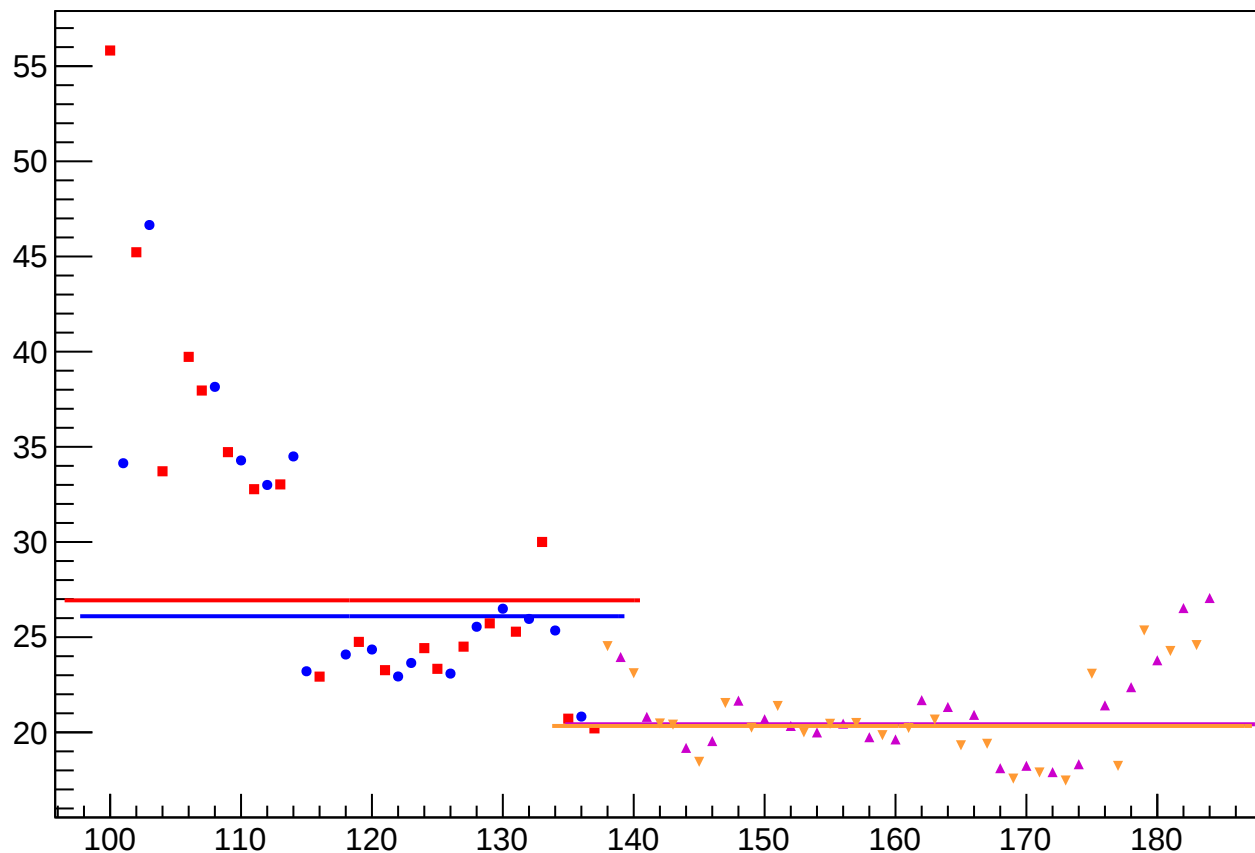
Right: -14.343 ± 7.387 χ^2/NDF : 37.4/35

In: -6.543 ± 4.453 χ^2/NDF : 39.0/39

Out: -4.952 ± 4.379 χ^2/NDF : 43.6/42

All: -5.734 ± 3.122 χ^2/NDF : 82.7/82

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: 20.336+/-0.003 χ^2/NDF : 391303.2/23

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: 20.379+/-0.002 χ^2/NDF : 715058.5/46

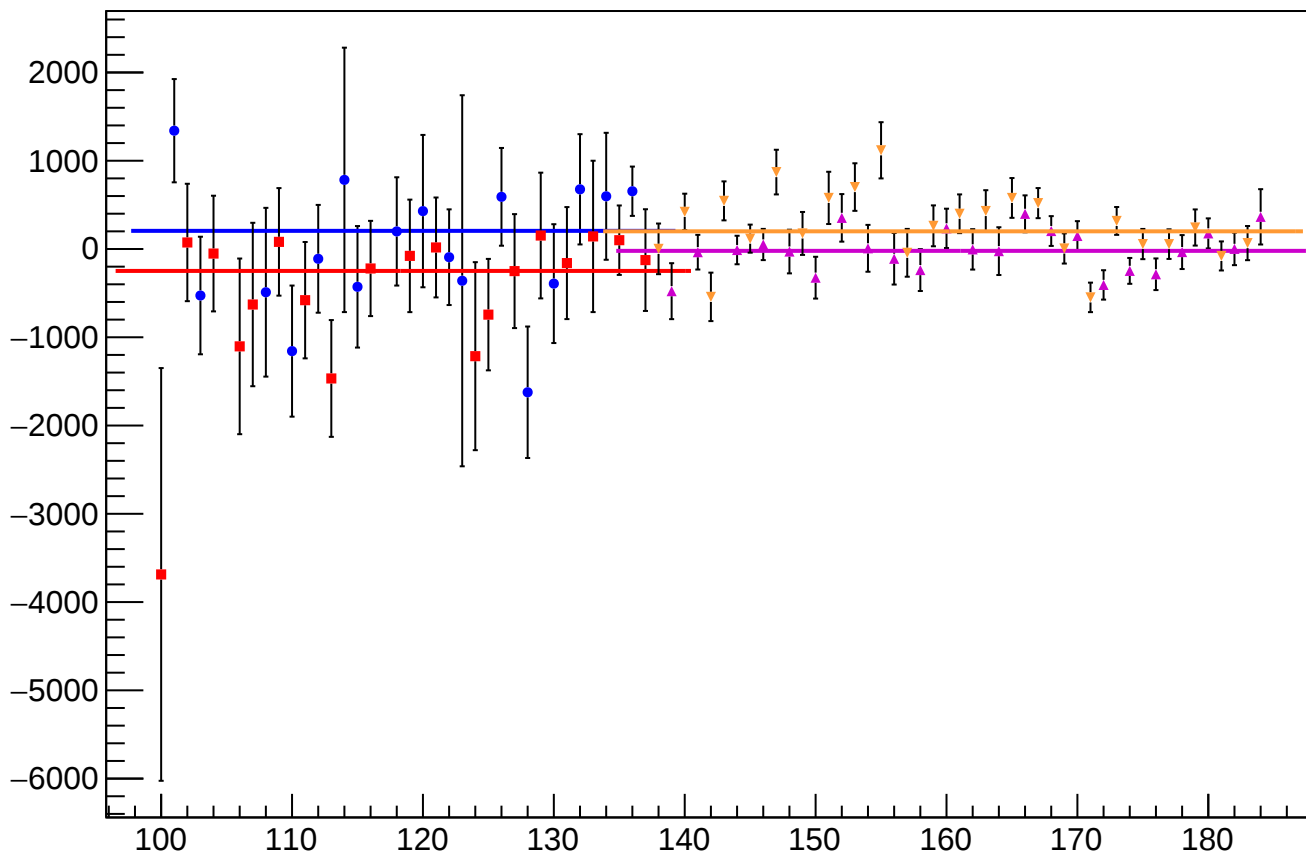
Right: 26.515+/-0.005 χ^2/NDF : 1285891.0/35

In: 21.460+/-0.003 χ^2/NDF : 1409796.8/39

Out: 21.490+/-0.003 χ^2/NDF : 1724906.8/42

All: 21.475+/-0.002 χ^2/NDF : 3134749.4/82

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: 200.350 $\pm$ 41.917 χ^2 /NDF: 67.8/23

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: 90.659 $\pm$ 29.771 χ^2 /NDF: 109.4/46

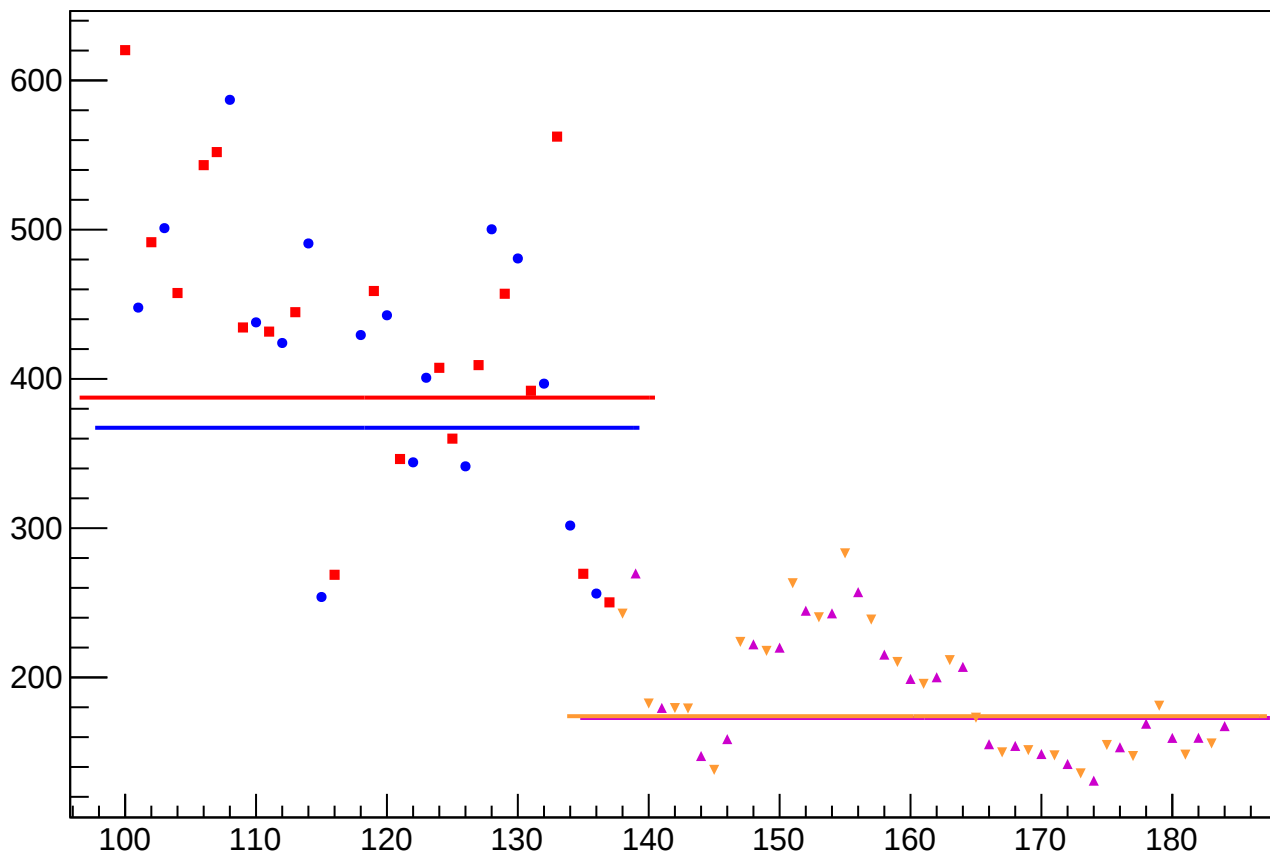
Right: -18.328 $\pm$ 105.488 χ^2 /NDF: 36.4/35

In: -3.934 $\pm$ 40.667 χ^2 /NDF: 51.2/39

Out: 167.927 $\pm$ 40.374 χ^2 /NDF: 86.6/42

All: 82.619 $\pm$ 28.652 χ^2 /NDF: 146.8/82

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: 174.029 $\pm$ 0.030 χ^2 /NDF:1523339.0/23

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: 173.434 $\pm$ 0.021 χ^2 /NDF: 2896285.2/46

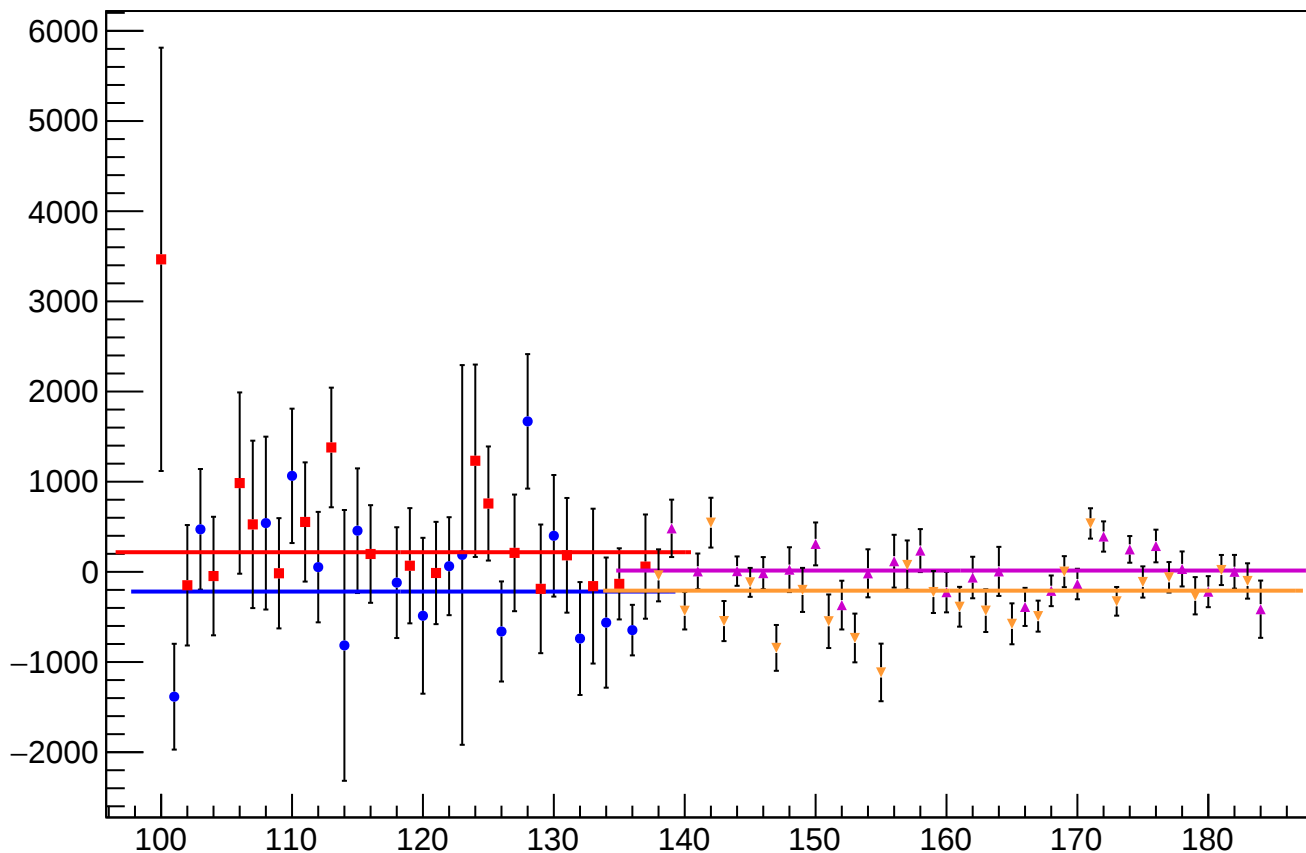
Right: 377.241 $\pm$ 0.075 χ^2 /NDF: 1622903.6/35

In: 187.470 $\pm$ 0.029 χ^2 /NDF:5385533.3/39

Out: 189.454 $\pm$ 0.029 χ^2 /NDF:6046118.5/42

All: 188.469 $\pm$ 0.020 χ^2 /NDF: 11434049.4/82

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -218.471 $\pm$ 148.628 χ^2 /NDF: 21.5/16

Left Out: -208.504 $\pm$ 42.246 χ^2 /NDF:63.9/23

Right Out: 217.922 $\pm$ 150.640 χ^2 /NDF: 9.8/18

Left In: 14.616 $\pm$ 42.629 χ^2 /NDF:27.7/22

Left: -97.953 $\pm$ 30.007 χ^2 /NDF: 105.4/46

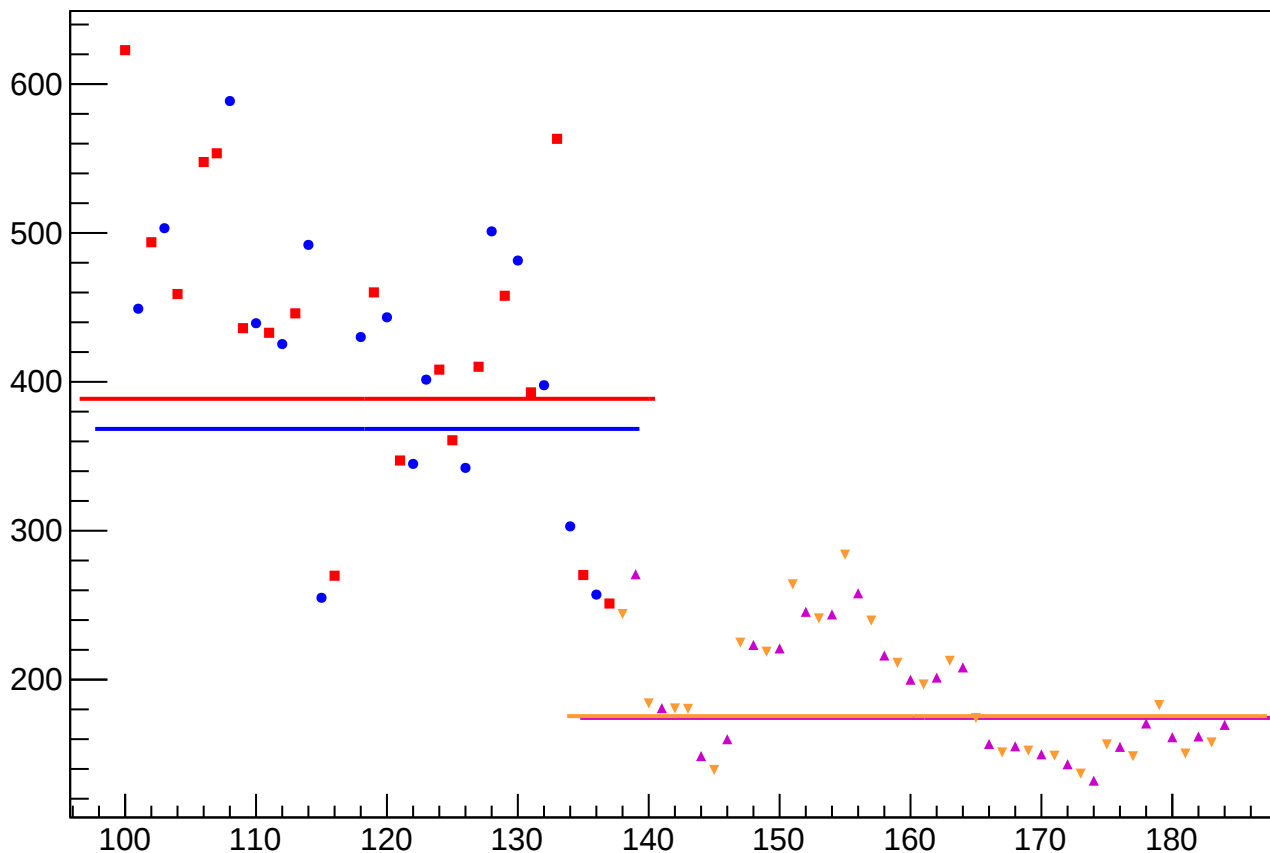
Right: -3.208 $\pm$ 105.800 χ^2 /NDF: 35.5/35

In: -3.102 $\pm$ 40.977 χ^2 /NDF:51.5/39

Out: -177.412 $\pm$ 40.676 χ^2 /NDF:81.1/42

All: -90.899 $\pm$ 28.868 χ^2 /NDF: 141.7/82

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: 175.476 $\pm$ 0.030 χ^2 /NDF: 1494055.3/23

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: 174.887 $\pm$ 0.021 χ^2 /NDF: 2839618.2/46

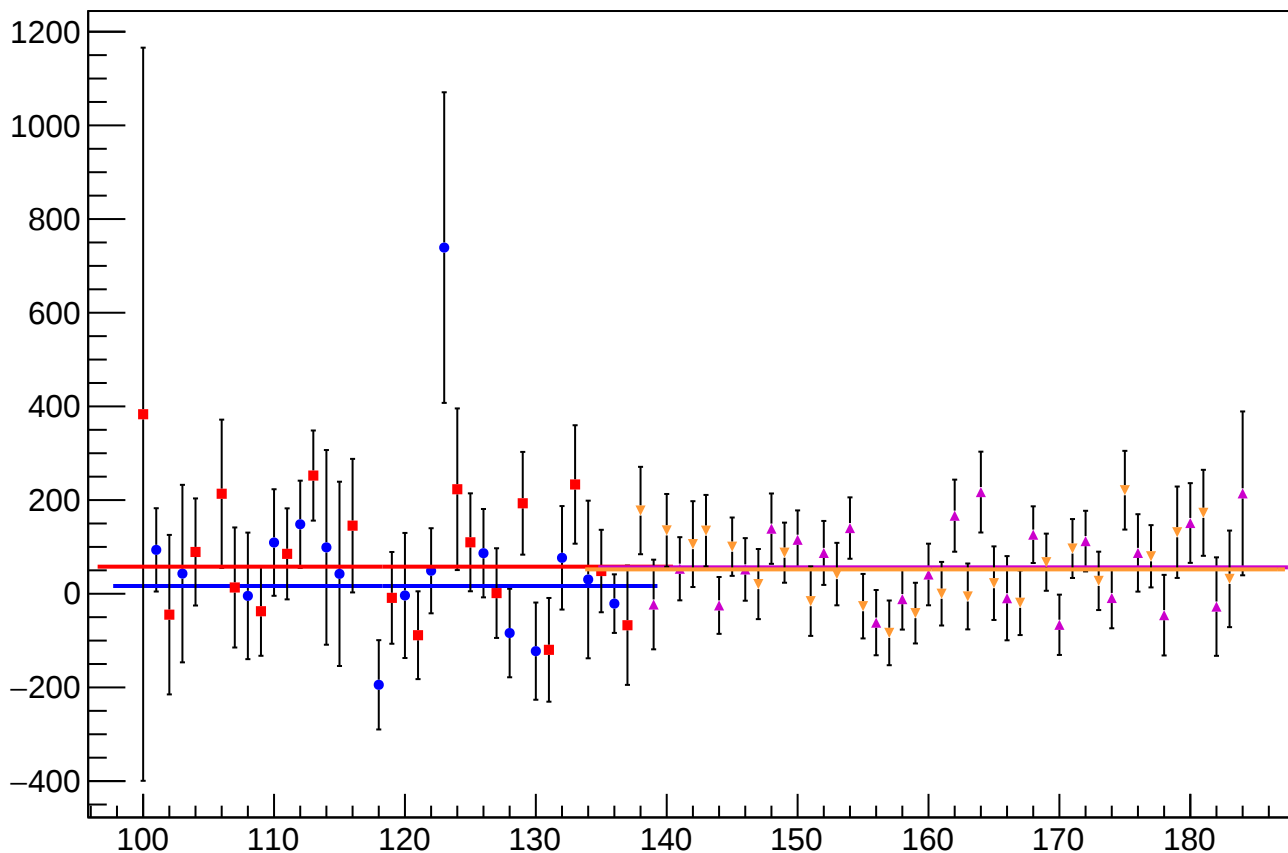
Right: 378.366 $\pm$ 0.075 χ^2 /NDF: 1620338.7/35

In: 189.042 $\pm$ 0.029 χ^2 /NDF: 5323560.7/39

Out: 191.016 $\pm$ 0.029 χ^2 /NDF: 5980941.7/42

All: 190.037 $\pm$ 0.020 χ^2 /NDF: 11306840.2/82

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: 52.027 $\pm$ 14.790 χ^2 /NDF:23.5/23

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: 54.158 $\pm$ 10.594 χ^2 /NDF: 51.0/46

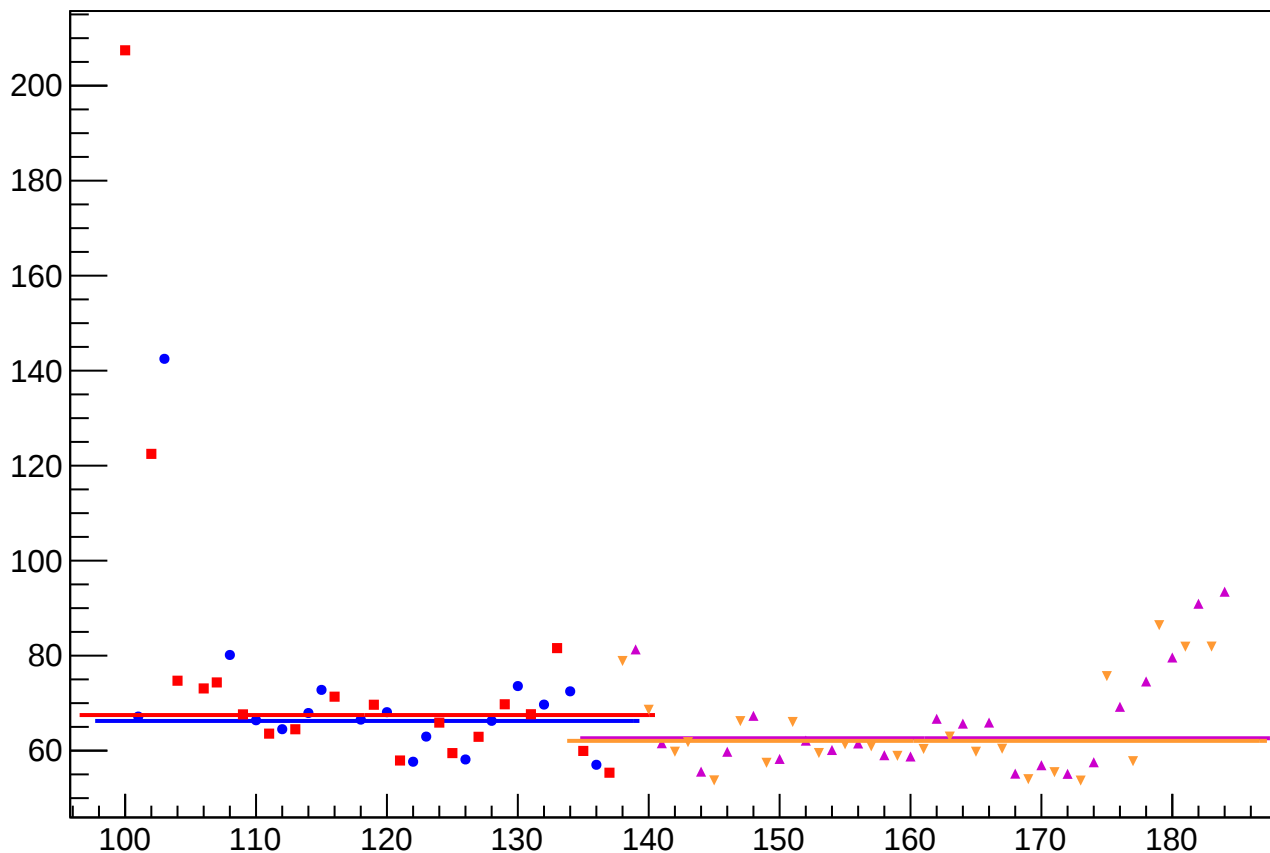
Right: 37.342 $\pm$ 18.587 χ^2 /NDF: 37.5/35

In: 46.488 $\pm$ 13.158 χ^2 /NDF:46.8/39

Out: 53.432 $\pm$ 12.879 χ^2 /NDF:42.2/42

All: 50.034 $\pm$ 9.204 χ^2 /NDF: 89.1/82

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.252+/-0.019 χ^2/NDF : 439625.4/16

Left Out: 62.061+/-0.010 χ^2/NDF : 597184.8/23

Right Out: 67.493+/-0.019 χ^2/NDF : 392346.8/18

Left In: 62.607+/-0.011 χ^2/NDF : 575516.1/22

Left: 62.327+/-0.007 χ^2/NDF : 1174028.8/46

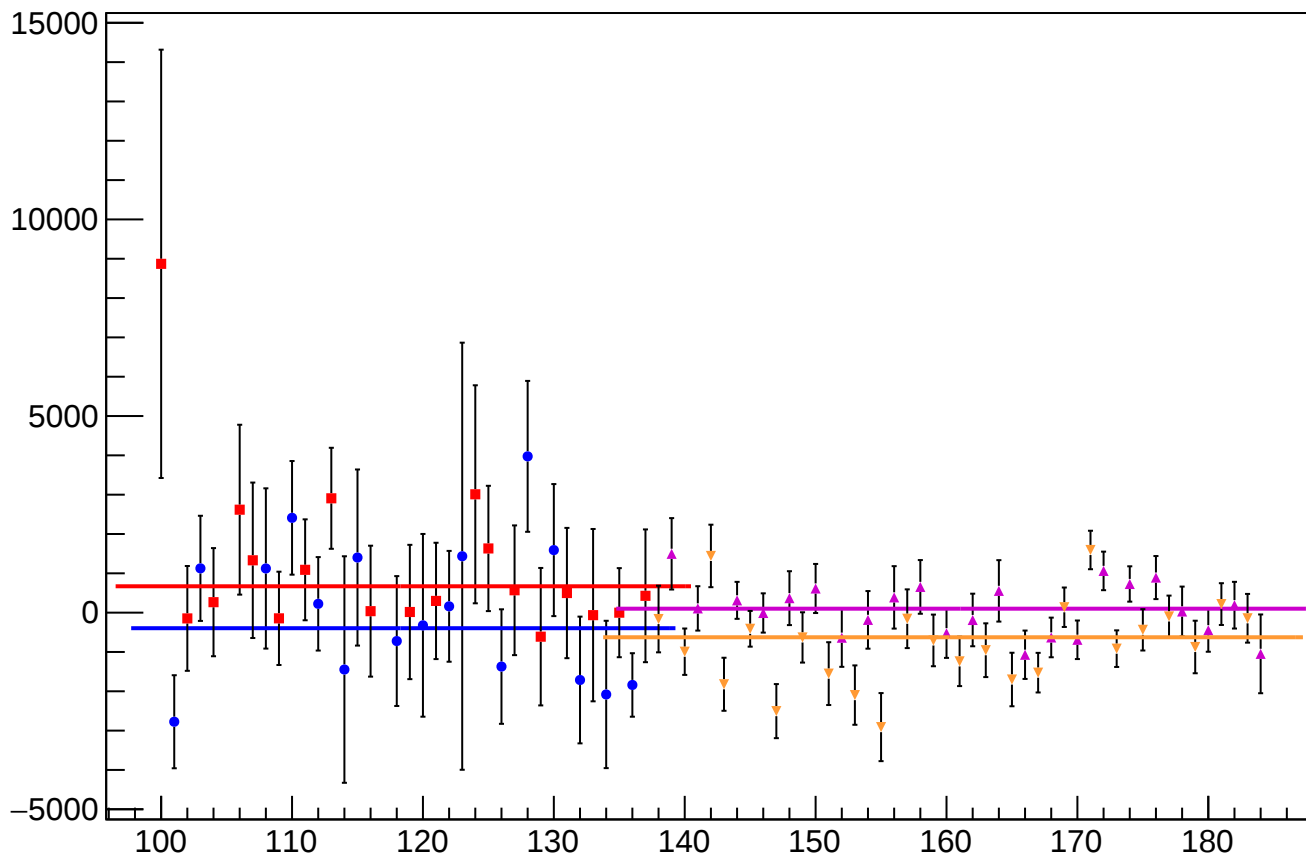
Right: 66.877+/-0.013 χ^2/NDF : 834200.1/35

In: 63.514+/-0.009 χ^2/NDF : 1043835.7/39

Out: 63.374+/-0.009 χ^2/NDF : 1054748.2/42

All: 63.443+/-0.007 χ^2/NDF : 2098700.0/82

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -395.700+/-367.296 χ^2/NDF : 22.7/16

Left Out: -626.173+/-123.716 χ^2/NDF : 65.3/23

Right Out: 670.465+/-362.692 χ^2/NDF : 9.7/18

Left In: 100.548+/-124.725 χ^2/NDF : 25.5/22

Left: -265.763+/-87.835 χ^2/NDF : 107.9/46

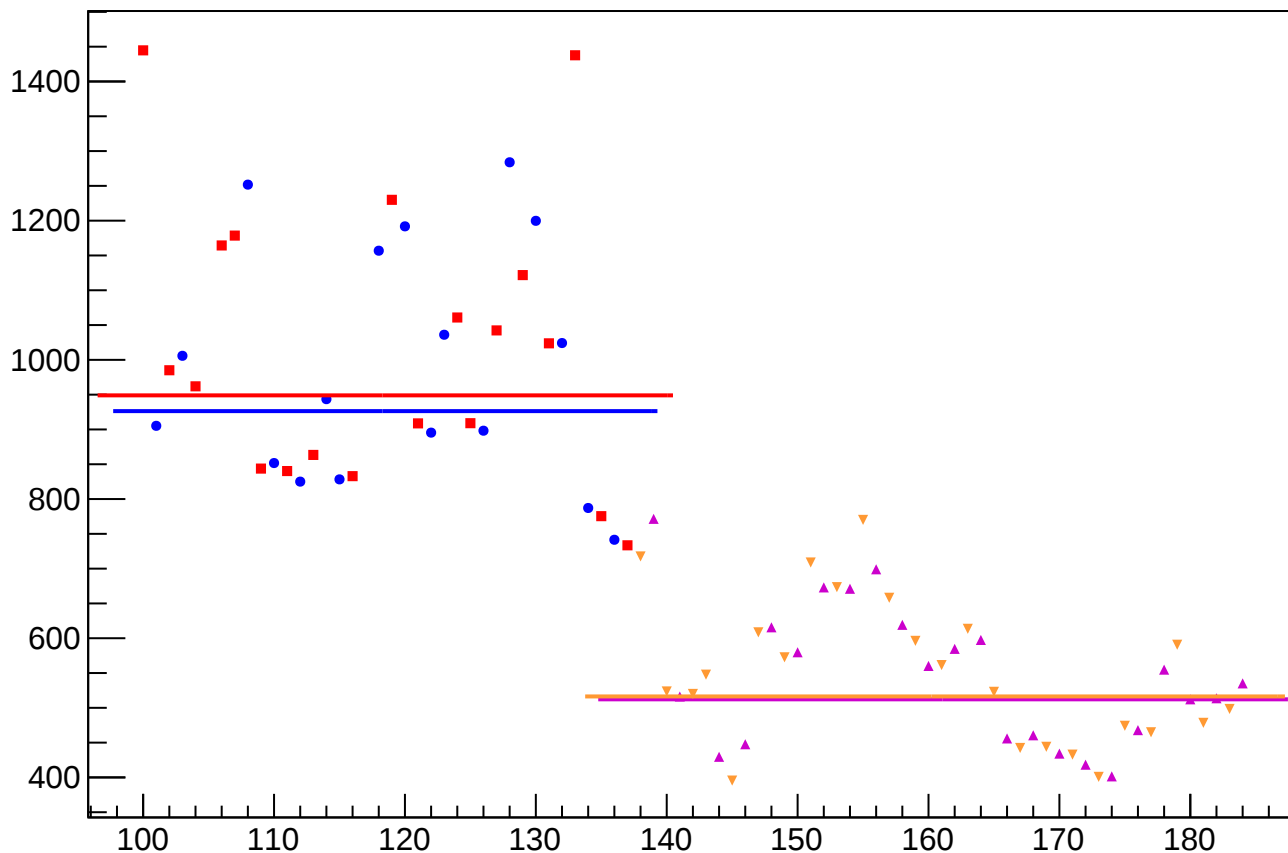
Right: 144.106+/-258.074 χ^2/NDF : 36.7/35

In: 49.241+/-118.101 χ^2/NDF : 49.8/39

Out: -491.030+/-117.092 χ^2/NDF : 86.5/42

All: -223.214+/-83.151 χ^2/NDF : 146.9/82

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 926.339 $\pm$ 0.260 χ^2 /NDF: 395813.5/16

Left Out: 516.359 $\pm$ 0.087 χ^2 /NDF: 1172409.9/23

Right Out: 948.981 $\pm$ 0.256 χ^2 /NDF: 382928.4/18

Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

Left: 514.296 $\pm$ 0.062 χ^2 /NDF: 2214834.0/46

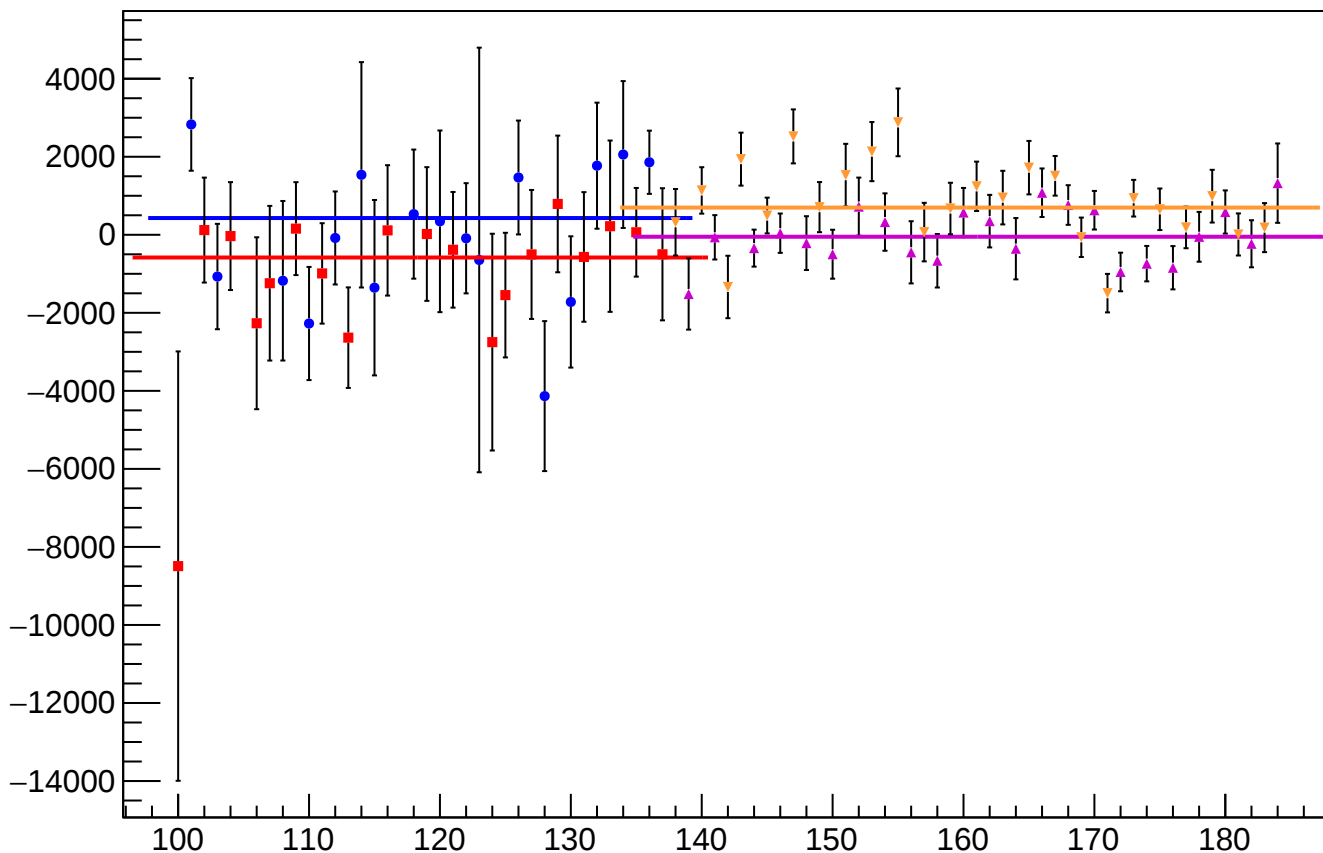
Right: 937.803 $\pm$ 0.182 χ^2 /NDF: 782589.7/35

In: 555.017 $\pm$ 0.084 χ^2 /NDF: 3716915.2/39

Out: 561.449 $\pm$ 0.083 χ^2 /NDF: 4104330.7/42

All: 558.261 $\pm$ 0.059 χ^2 /NDF: 7824237.6/82

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 429.343+/-368.550 χ^2/NDF : 22.9/16

Left Out: 697.292+/-124.758 χ^2/NDF : 60.7/23

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: 326.729+/-88.585 χ^2/NDF : 104.6/46

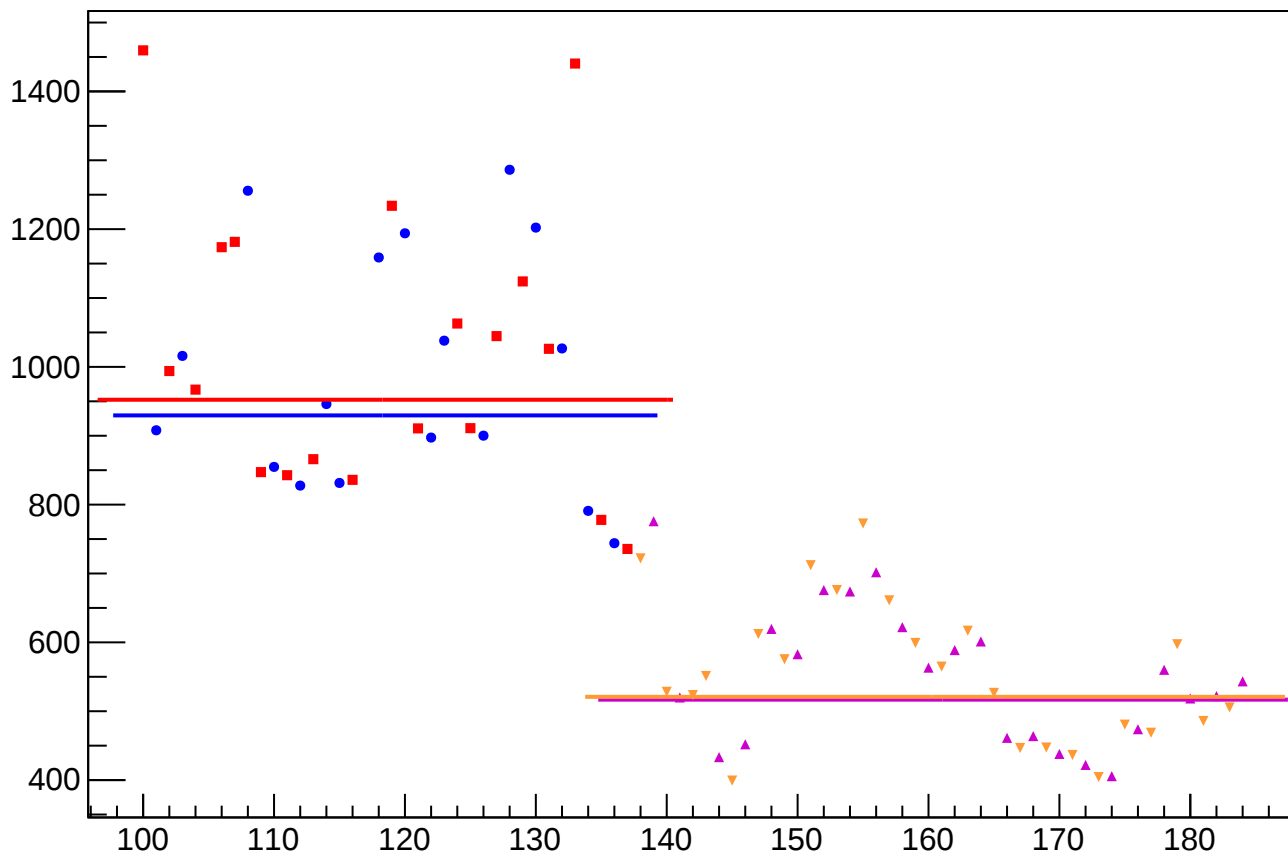
Right: -82.507+/-259.030 χ^2/NDF : 35.3/35

In: -0.046+/-119.059 χ^2/NDF : 50.5/39

Out: 562.882+/-118.023 χ^2/NDF : 80.4/42

All: 283.879+/-83.819 χ^2/NDF : 142.1/82

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.549 $\pm$ 0.261 χ^2 /NDF: 394903.7/16

Left Out: 520.878 $\pm$ 0.088 χ^2 /NDF:1149866.7/23

Right Out: 952.283 $\pm$ 0.257 χ^2 /NDF: 383199.7/18

Left In: 516.792 $\pm$ 0.089 χ^2 /NDF:1021374.1/22

Left: 518.852 $\pm$ 0.063 χ^2 /NDF: 2172304.3/46

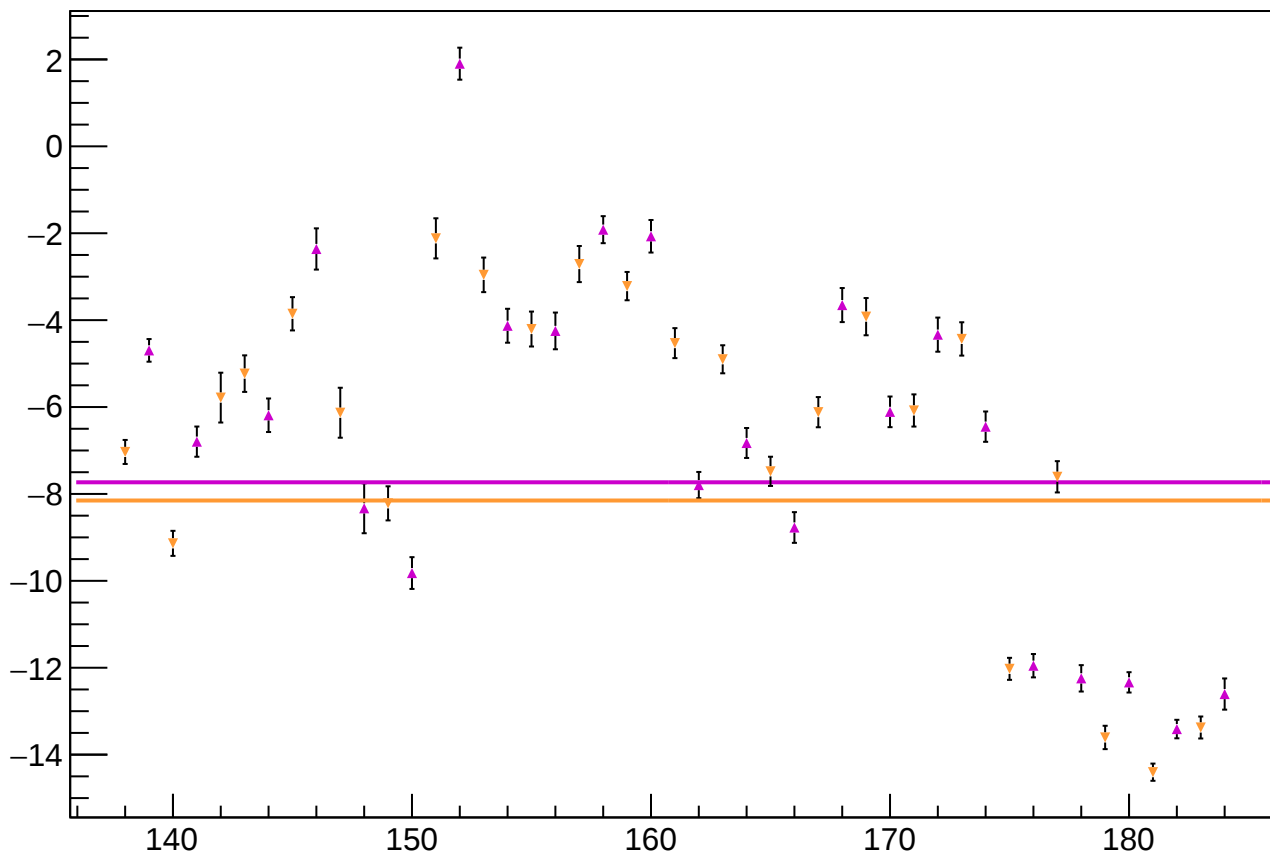
Right: 941.053 $\pm$ 0.183 χ^2 /NDF: 781954.5/35

In: 559.867 $\pm$ 0.084 χ^2 /NDF:3663053.9/39

Out: 566.197 $\pm$ 0.083 χ^2 /NDF:4045335.2/42

All: 563.060 $\pm$ 0.059 χ^2 /NDF: 7711240.3/82

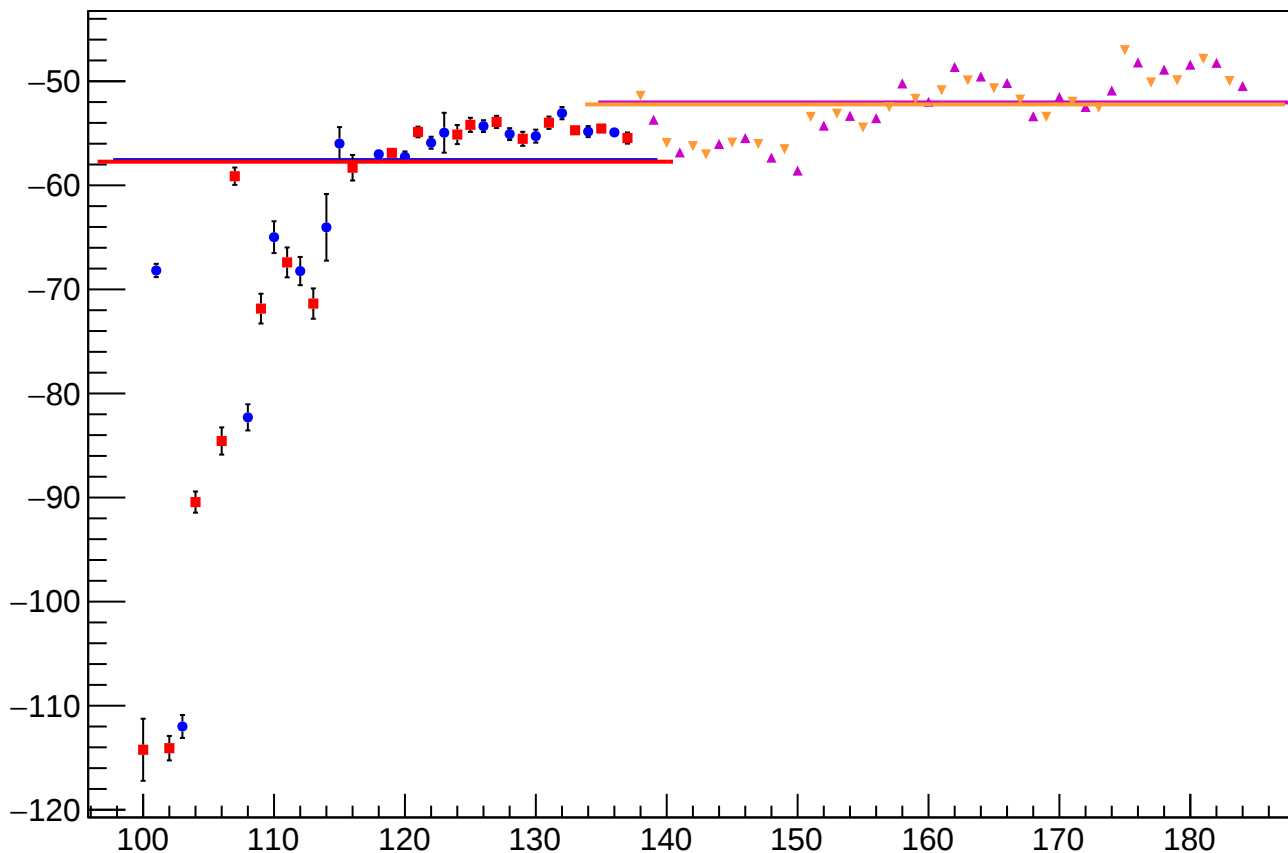
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.151+/-0.068 χ^2/NDF : 3613.7/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -7.732+/-0.069 χ^2/NDF : 3719.0/22

Left: -7.944+/-0.048 χ^2/NDF : 7351.5/46
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -7.732+/-0.069 χ^2/NDF : 3719.0/22
 Out: -8.151+/-0.068 χ^2/NDF : 3613.7/23
 All: -7.944+/-0.048 χ^2/NDF : 7351.5/46

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.574 ± 0.143 χ^2/NDF : 3458.2/16

Left Out: -52.222 ± 0.056 χ^2/NDF : 2555.0/23

Right Out: -57.728 ± 0.143 χ^2/NDF : 4700.5/18

Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

Left: -52.133 ± 0.040 χ^2/NDF : 5740.7/46

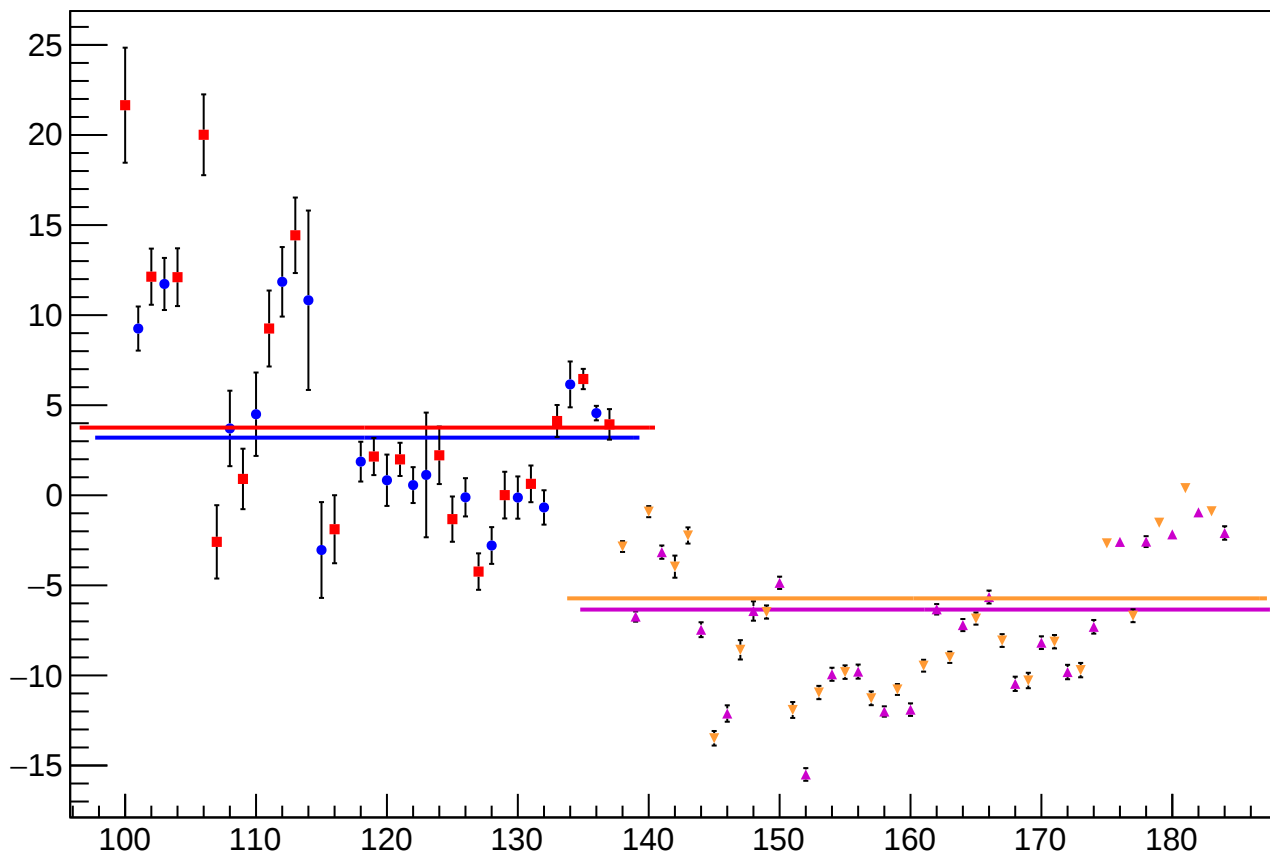
Right: -57.651 ± 0.101 χ^2/NDF : 8159.3/35

In: -52.799 ± 0.053 χ^2/NDF : 7927.8/39

Out: -52.944 ± 0.052 χ^2/NDF : 8540.4/42

All: -52.873 ± 0.037 χ^2/NDF : 16472.0/82

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.200 ± 0.259 $\chi^2/\text{NDF}: 184.7/16$

Left Out: -5.722 ± 0.068 $\chi^2/\text{NDF}: 3989.7/23$

Right Out: 3.758 ± 0.268 $\chi^2/\text{NDF}: 320.9/18$

Left In: -6.344 ± 0.069 $\chi^2/\text{NDF}: 3383.7/22$

Left: -6.031 ± 0.048 $\chi^2/\text{NDF}: 7414.7/46$

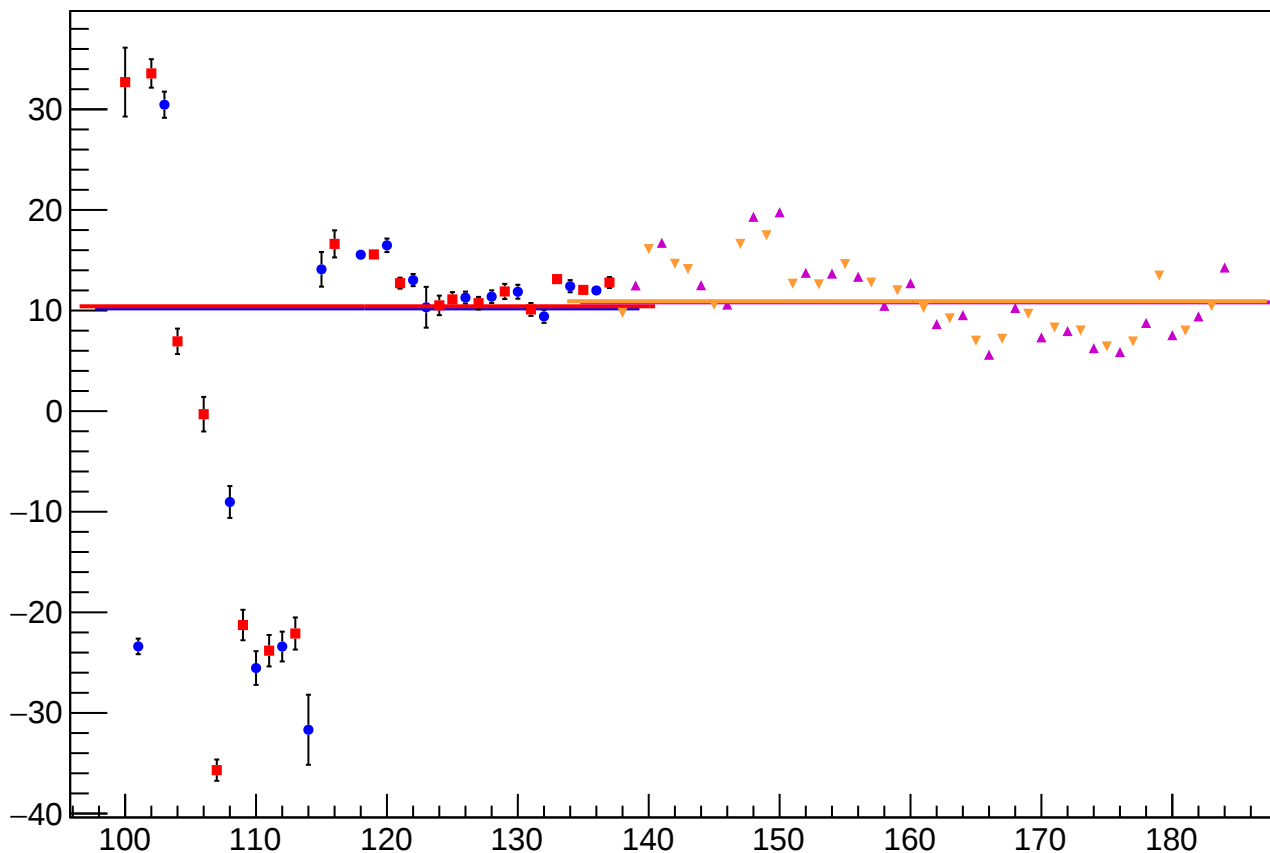
Right: 3.470 ± 0.186 $\chi^2/\text{NDF}: 507.9/35$

In: -5.719 ± 0.066 $\chi^2/\text{NDF}: 4834.8/39$

Out: -5.145 ± 0.066 $\chi^2/\text{NDF}: 5485.5/42$

All: -5.431 ± 0.047 $\chi^2/\text{NDF}: 10357.9/82$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.213+/-0.158 χ^2 /NDF: 3680.0/16

Left Out: 10.928+/-0.062 χ^2 /NDF:2610.5/23

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: 10.872+/-0.044 χ^2 /NDF: 6158.9/46

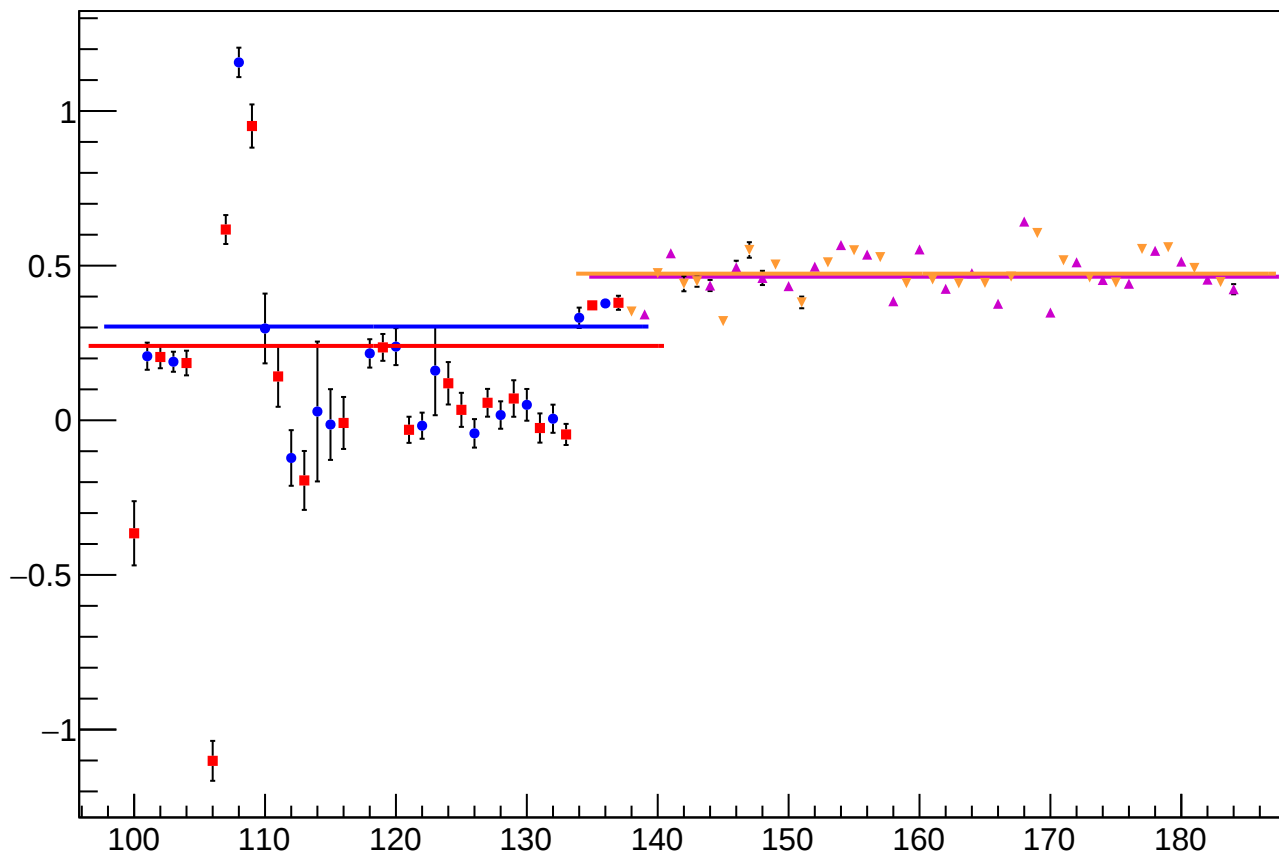
Right: 10.316+/-0.113 χ^2 /NDF: 7507.1/35

In: 10.731+/-0.059 χ^2 /NDF:7239.2/39

Out: 10.862+/-0.058 χ^2 /NDF:6445.4/42

All: 10.797+/-0.041 χ^2 /NDF: 13687.1/82

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: 0.474 $\pm$ 0.003 χ^2 /NDF:503.7/23

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: 0.469 $\pm$ 0.002 χ^2 /NDF: 1243.0/46

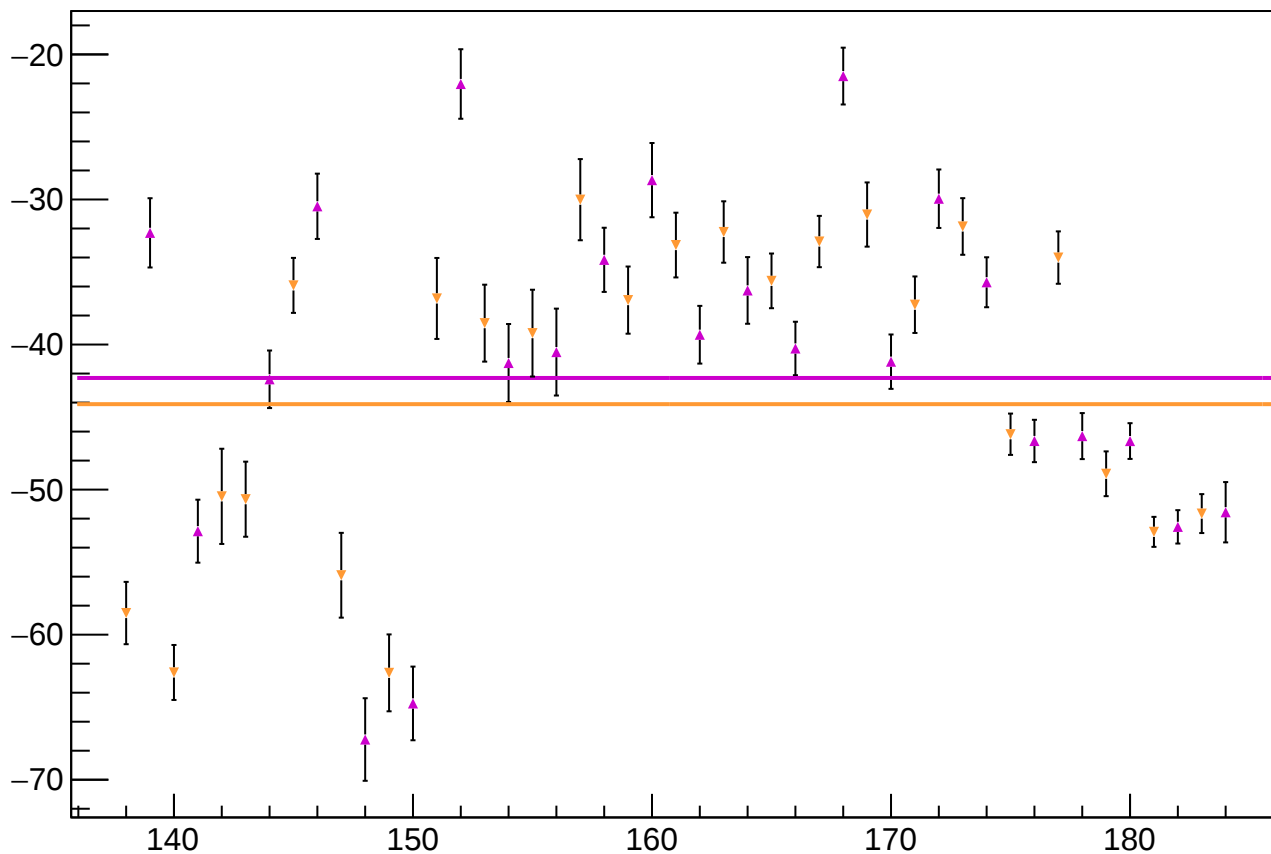
Right: 0.273 $\pm$ 0.006 χ^2 /NDF: 1658.4/35

In: 0.448 $\pm$ 0.003 χ^2 /NDF:1725.1/39

Out: 0.451 $\pm$ 0.003 χ^2 /NDF:2163.9/42

All: 0.450 $\pm$ 0.002 χ^2 /NDF: 3890.1/82

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -44.110+/-0.394 χ^2/NDF : 633.0/23

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: -43.218+/-0.280 χ^2/NDF : 1284.0/46

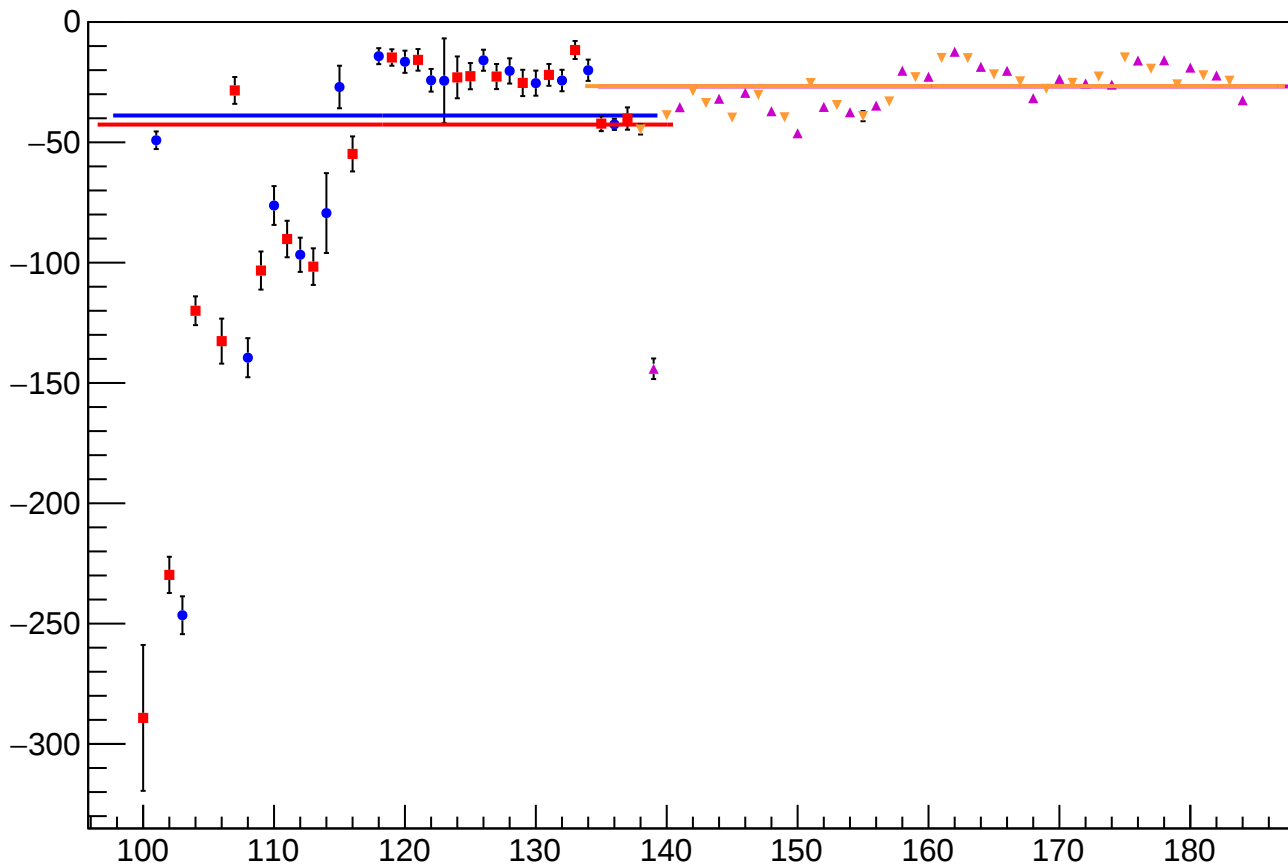
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -42.304+/-0.399 χ^2/NDF : 640.6/22

Out: -44.110+/-0.394 χ^2/NDF : 633.0/23

All: -43.218+/-0.280 χ^2/NDF : 1284.0/46

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: -26.643 ± 0.320 $\chi^2/\text{NDF}: 604.4/23$

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: -26.707 ± 0.229 $\chi^2/\text{NDF}: 1999.1/46$

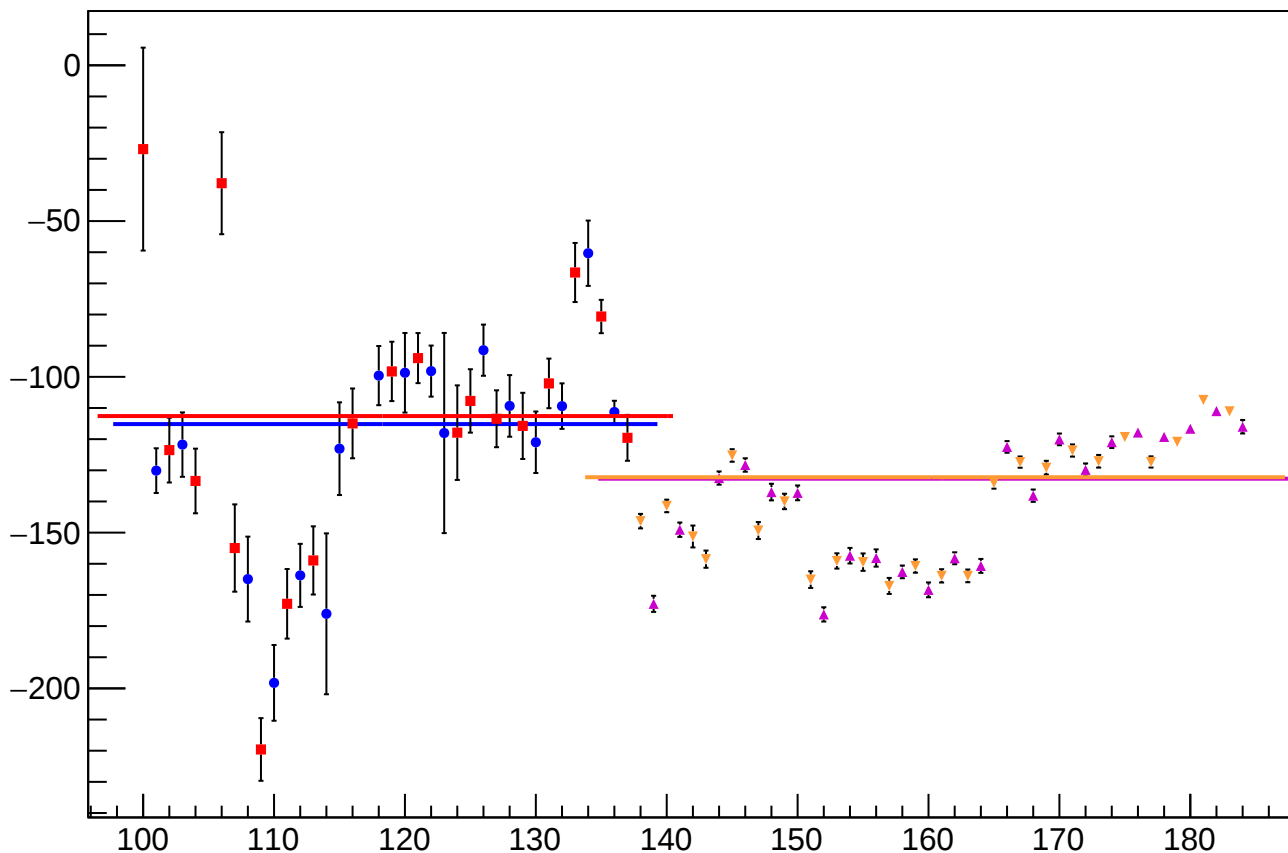
Right: -40.635 ± 0.834 $\chi^2/\text{NDF}: 2472.4/35$

In: -27.674 ± 0.314 $\chi^2/\text{NDF}: 2618.4/39$

Out: -27.686 ± 0.310 $\chi^2/\text{NDF}: 2112.4/42$

All: -27.680 ± 0.220 $\chi^2/\text{NDF}: 4730.8/82$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.163 ± 2.084 $\chi^2/\text{NDF}: 140.5/16$

Left Out: -132.220 ± 0.397 $\chi^2/\text{NDF}: 2369.1/23$

Right Out: -112.587 ± 2.213 $\chi^2/\text{NDF}: 272.4/18$

Left In: -132.690 ± 0.399 $\chi^2/\text{NDF}: 2480.2/22$

Left: -132.453 ± 0.281 $\chi^2/\text{NDF}: 4850.0/46$

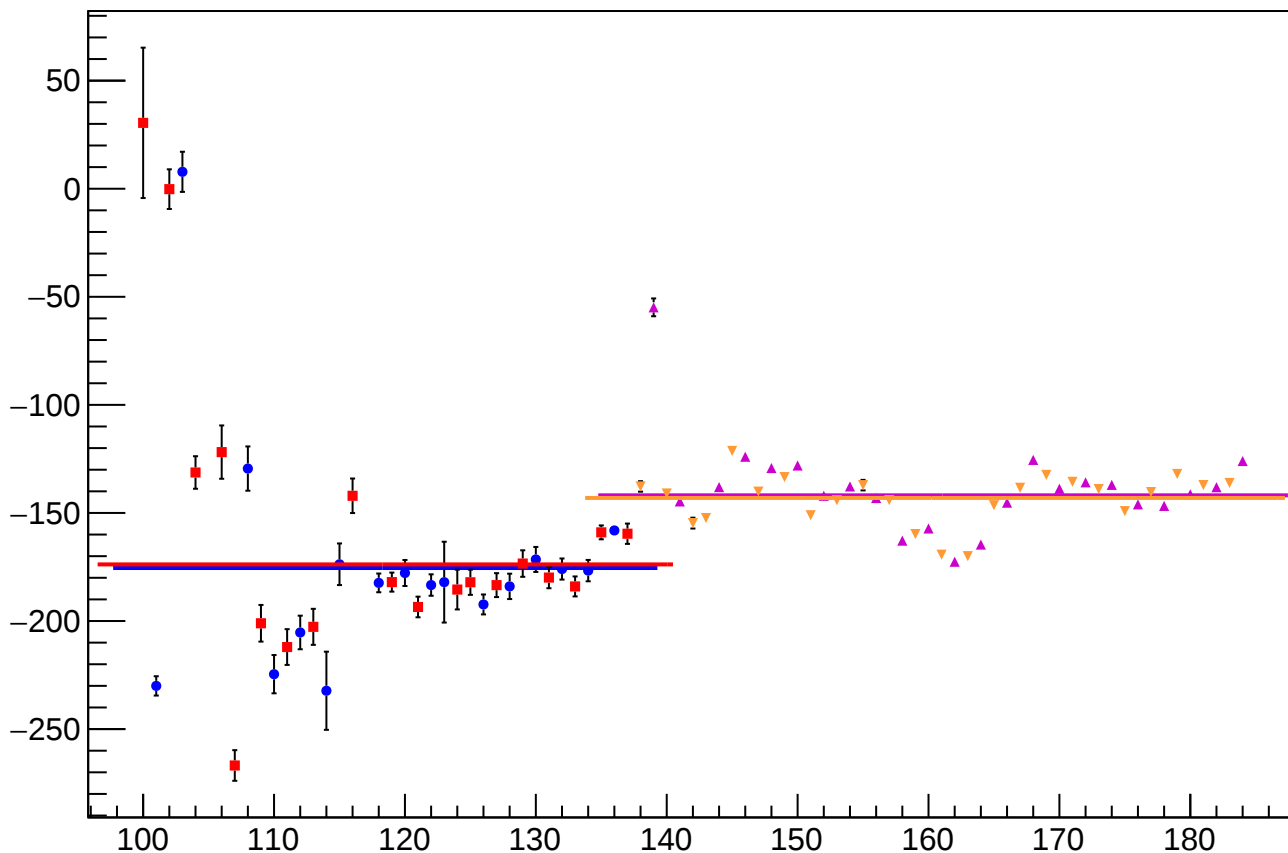
Right: -113.952 ± 1.517 $\chi^2/\text{NDF}: 413.6/35$

In: -132.068 ± 0.392 $\chi^2/\text{NDF}: 2689.0/39$

Out: -131.609 ± 0.390 $\chi^2/\text{NDF}: 2717.7/42$

All: -131.838 ± 0.277 $\chi^2/\text{NDF}: 5407.4/82$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.476 ± 1.279 χ^2/NDF : 691.2/16

Left Out: -143.060 ± 0.359 χ^2/NDF : 1040.1/23

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: -142.466 ± 0.255 χ^2/NDF : 2589.9/46

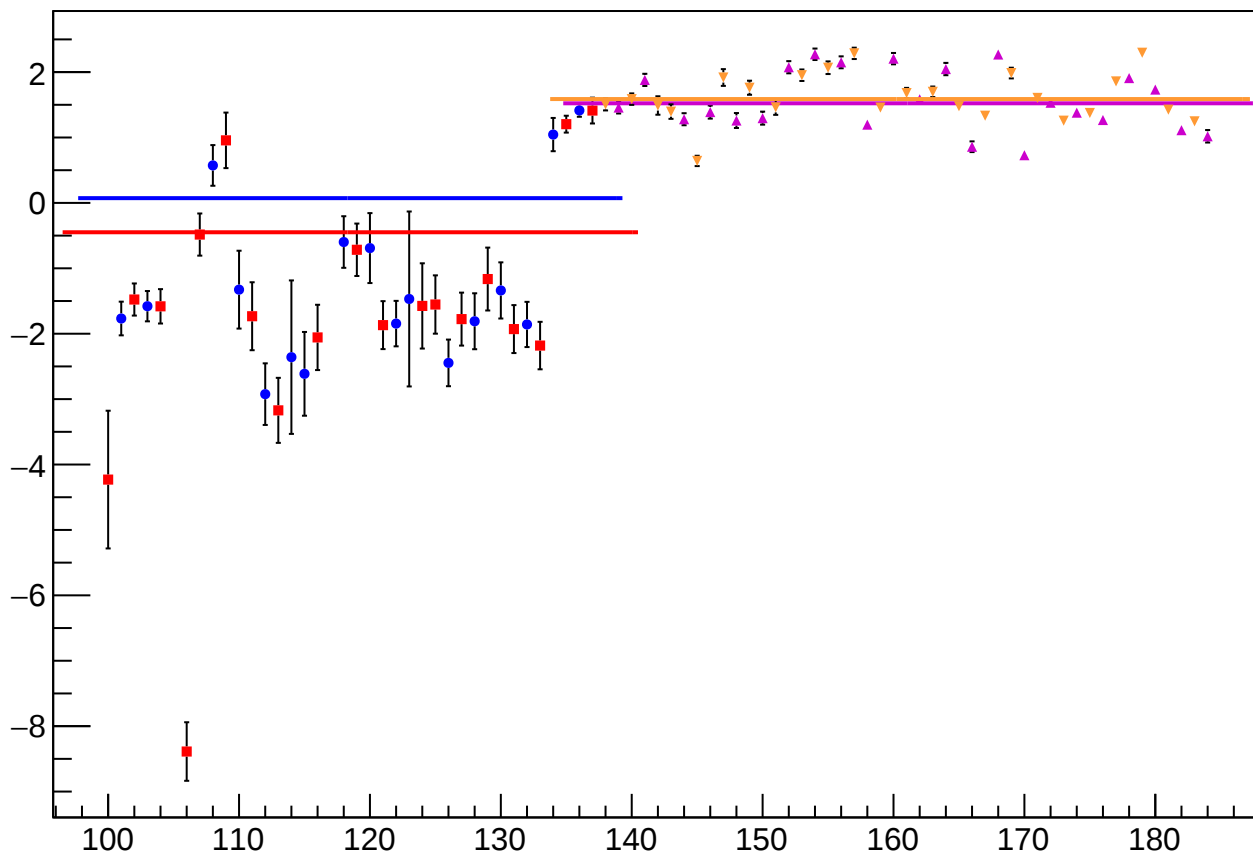
Right: -174.693 ± 0.931 χ^2/NDF : 1430.0/35

In: -144.373 ± 0.350 χ^2/NDF : 2874.9/39

Out: -145.064 ± 0.347 χ^2/NDF : 2256.8/42

All: -144.721 ± 0.246 χ^2/NDF : 5133.6/82

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.073 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.588 ± 0.016 χ^2/NDF : 491.4/23

Right Out: -0.449 ± 0.071 χ^2/NDF : 750.7/18

Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

Left: 1.556 ± 0.012 χ^2/NDF : 1237.7/46

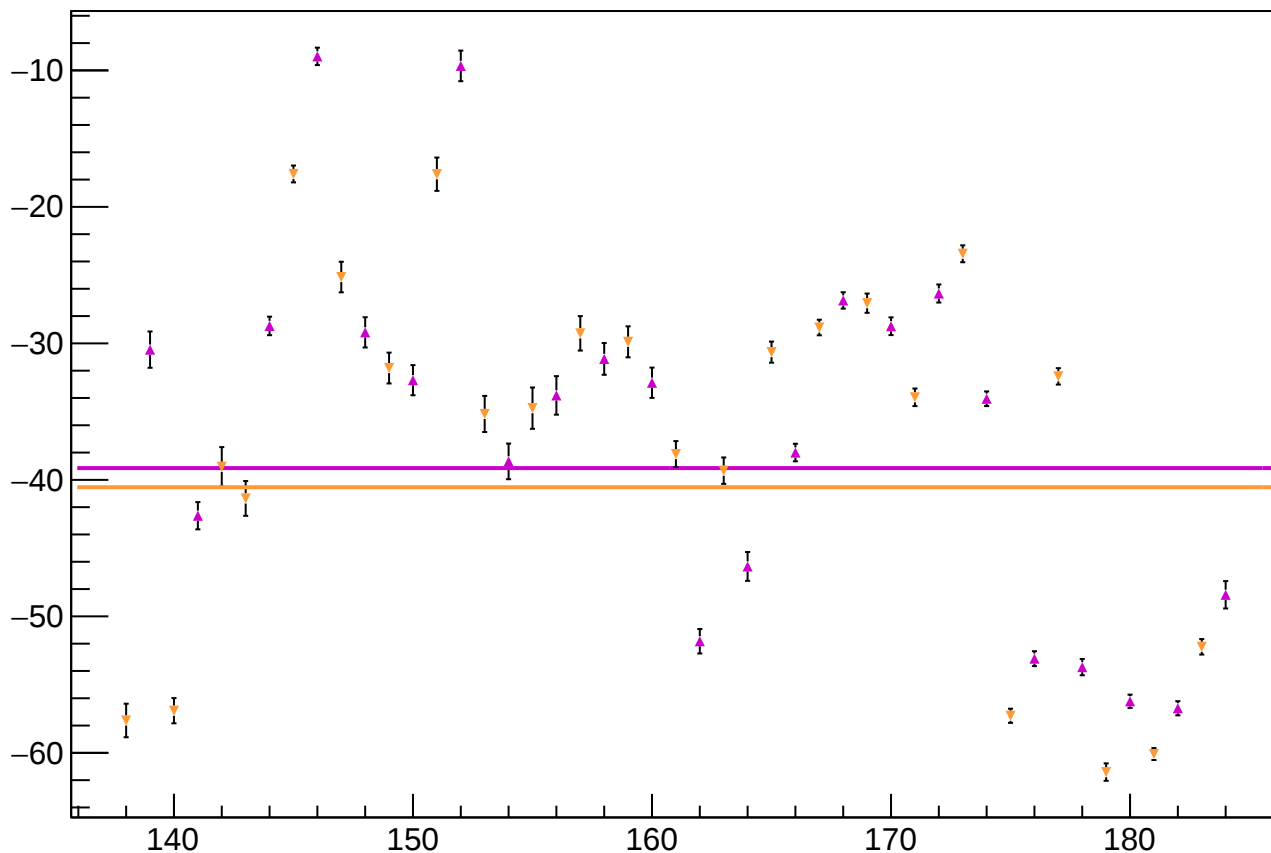
Right: -0.172 ± 0.049 χ^2/NDF : 1304.2/35

In: 1.440 ± 0.016 χ^2/NDF : 1703.0/39

Out: 1.485 ± 0.016 χ^2/NDF : 2014.8/42

All: 1.463 ± 0.011 χ^2/NDF : 3721.7/82

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -40.540+/-0.155 χ^2/NDF : 9230.2/23

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

Left In: -39.137+/-0.155 χ^2/NDF : 8534.5/22

Left: -39.835+/-0.110 χ^2/NDF : 17805.7/46

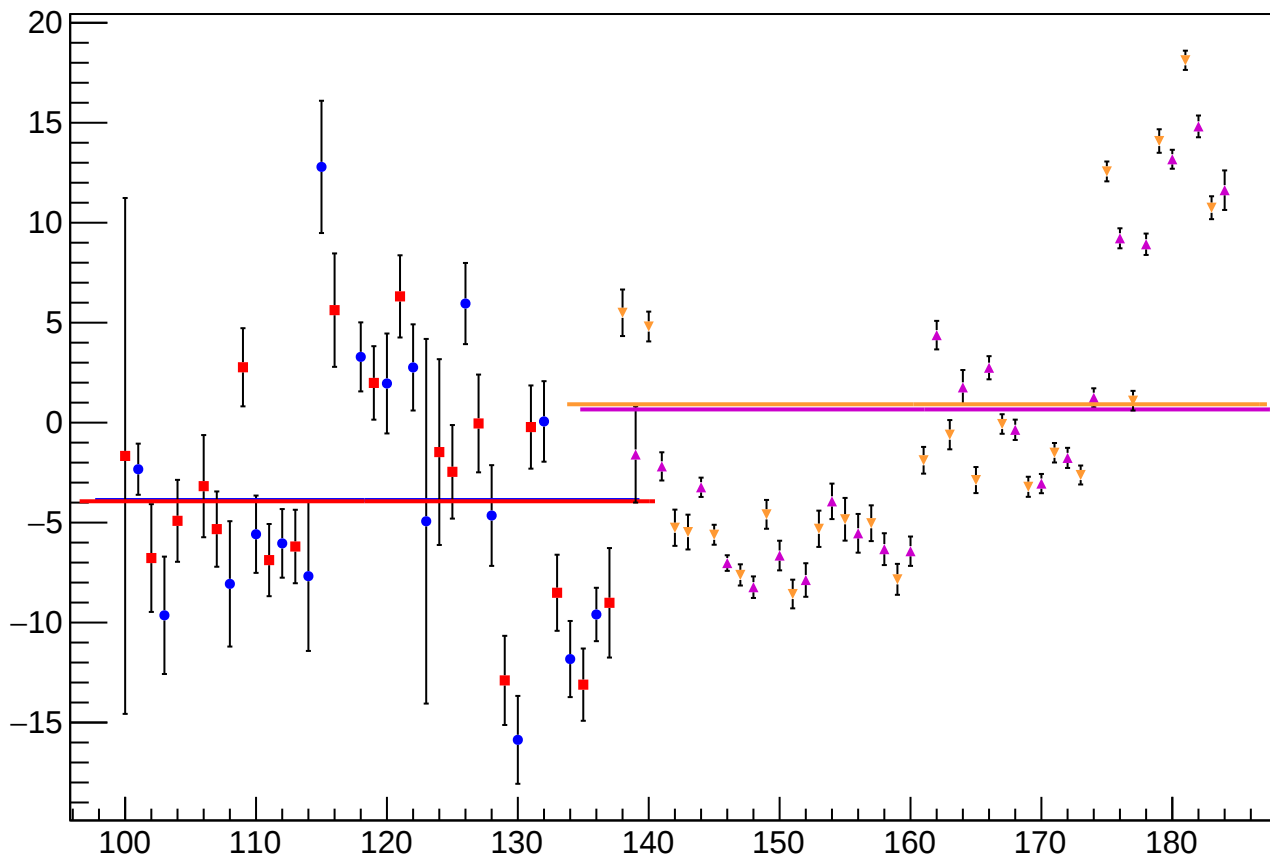
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -39.137+/-0.155 χ^2/NDF : 8534.5/22

Out: -40.540+/-0.155 χ^2/NDF : 9230.2/23

All: -39.835+/-0.110 χ^2/NDF : 17805.7/46

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.872 ± 0.499 χ^2/NDF : 161.0/16

Left Out: 0.919 ± 0.126 χ^2/NDF : 3886.1/23

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: 0.788 ± 0.088 χ^2/NDF : 7226.0/46

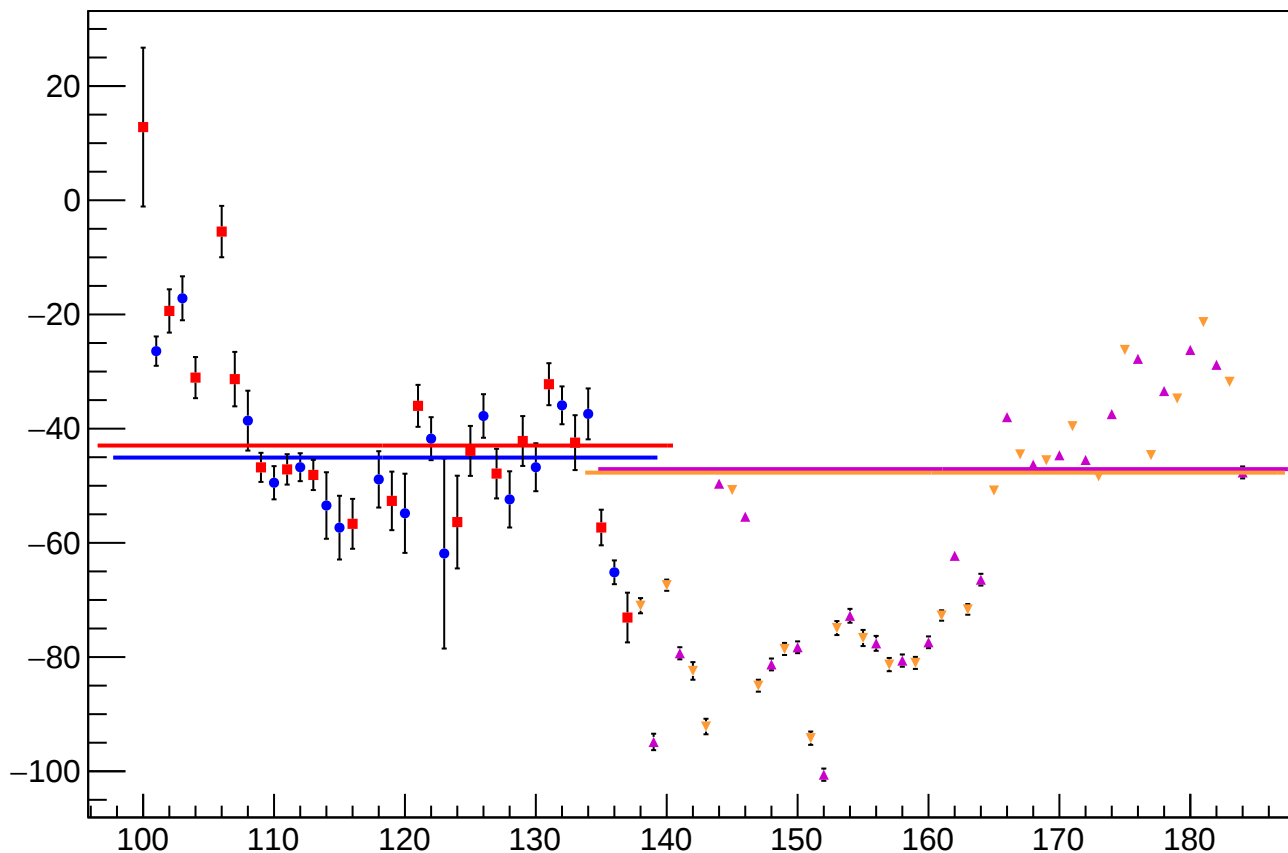
Right: -3.902 ± 0.356 χ^2/NDF : 283.0/35

In: 0.395 ± 0.121 χ^2/NDF : 3576.4/39

Out: 0.638 ± 0.122 χ^2/NDF : 4094.2/42

All: 0.515 ± 0.086 χ^2/NDF : 7672.6/82

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.063 ± 0.885 χ^2/NDF : 230.3/16

Left Out: -47.703 ± 0.157 χ^2/NDF : 16638.7/23

Right Out: -42.956 ± 0.879 χ^2/NDF : 248.1/18

Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

Left: -47.391 ± 0.110 χ^2/NDF : 32161.7/46

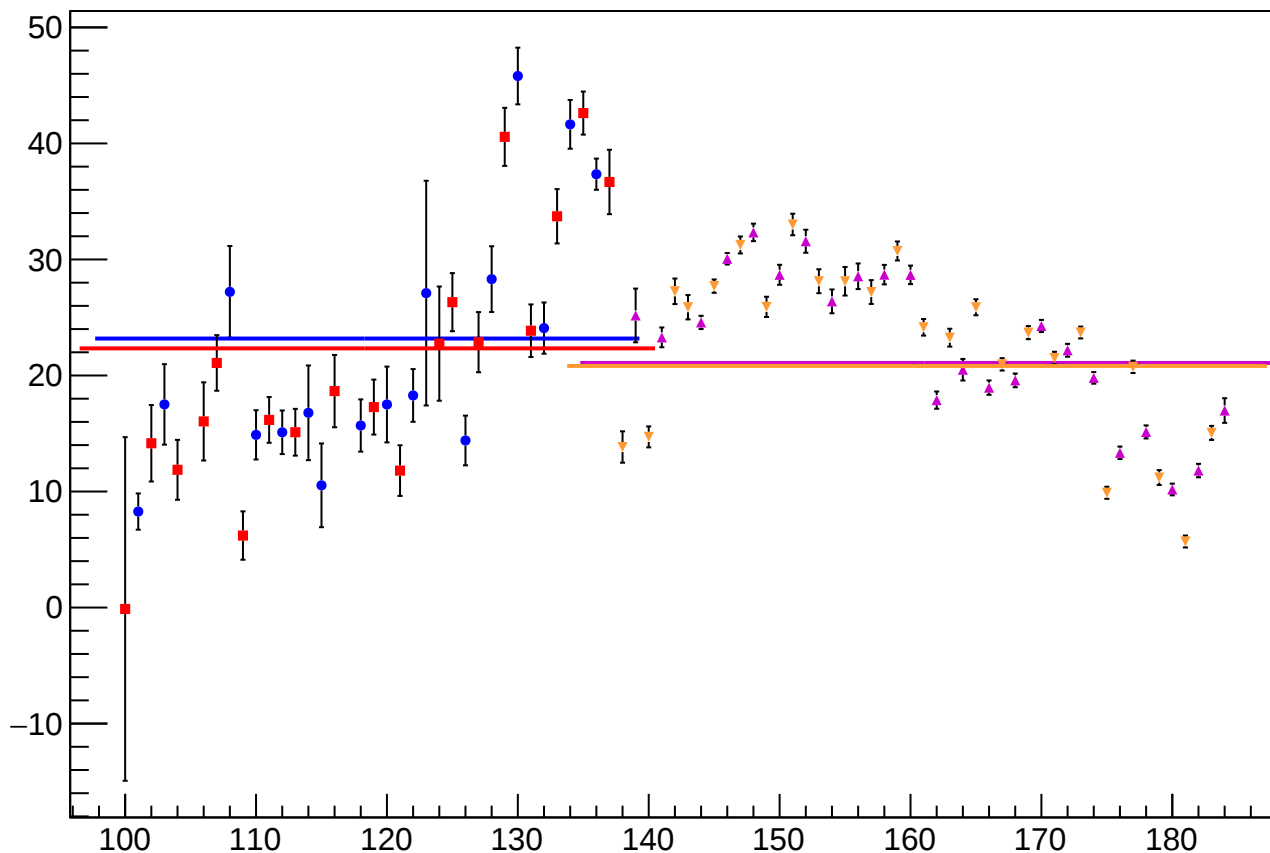
Right: -44.003 ± 0.624 χ^2/NDF : 481.3/35

In: -47.024 ± 0.153 χ^2/NDF : 15750.6/39

Out: -47.557 ± 0.154 χ^2/NDF : 16915.1/42

All: -47.288 ± 0.109 χ^2/NDF : 32671.7/82

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: 20.822 $\pm$ 0.141 χ^2 /NDF:2713.4/23

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: 20.951 $\pm$ 0.099 χ^2 /NDF: 4888.3/46

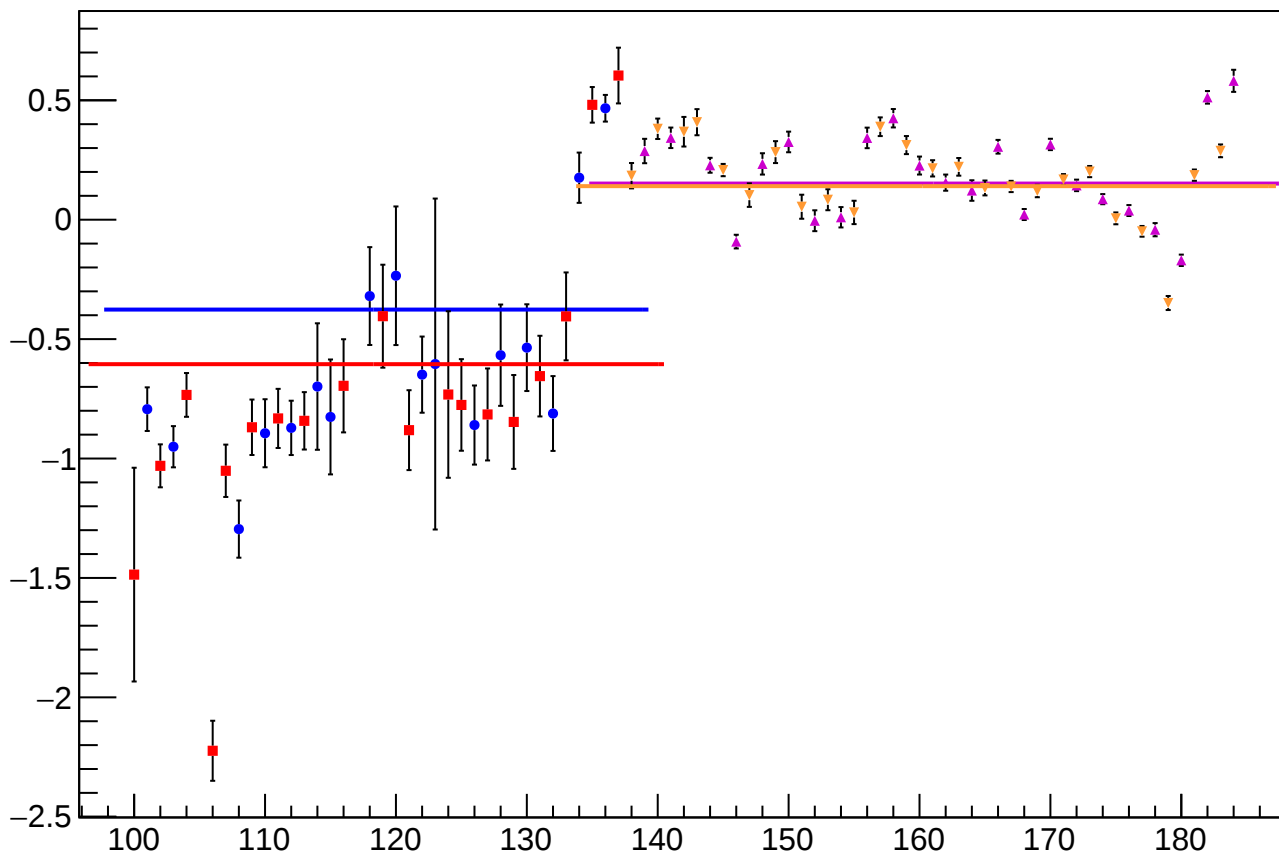
Right: 22.771 $\pm$ 0.401 χ^2 /NDF: 824.4/35

In: 21.202 $\pm$ 0.135 χ^2 /NDF:2643.5/39

Out: 20.908 $\pm$ 0.137 χ^2 /NDF:3086.3/42

All: 21.056 $\pm$ 0.096 χ^2 /NDF: 5732.1/82

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: 0.140 ± 0.006 $\chi^2/\text{NDF}: 587.3/23$

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: 0.146 ± 0.005 $\chi^2/\text{NDF}: 1458.3/46$

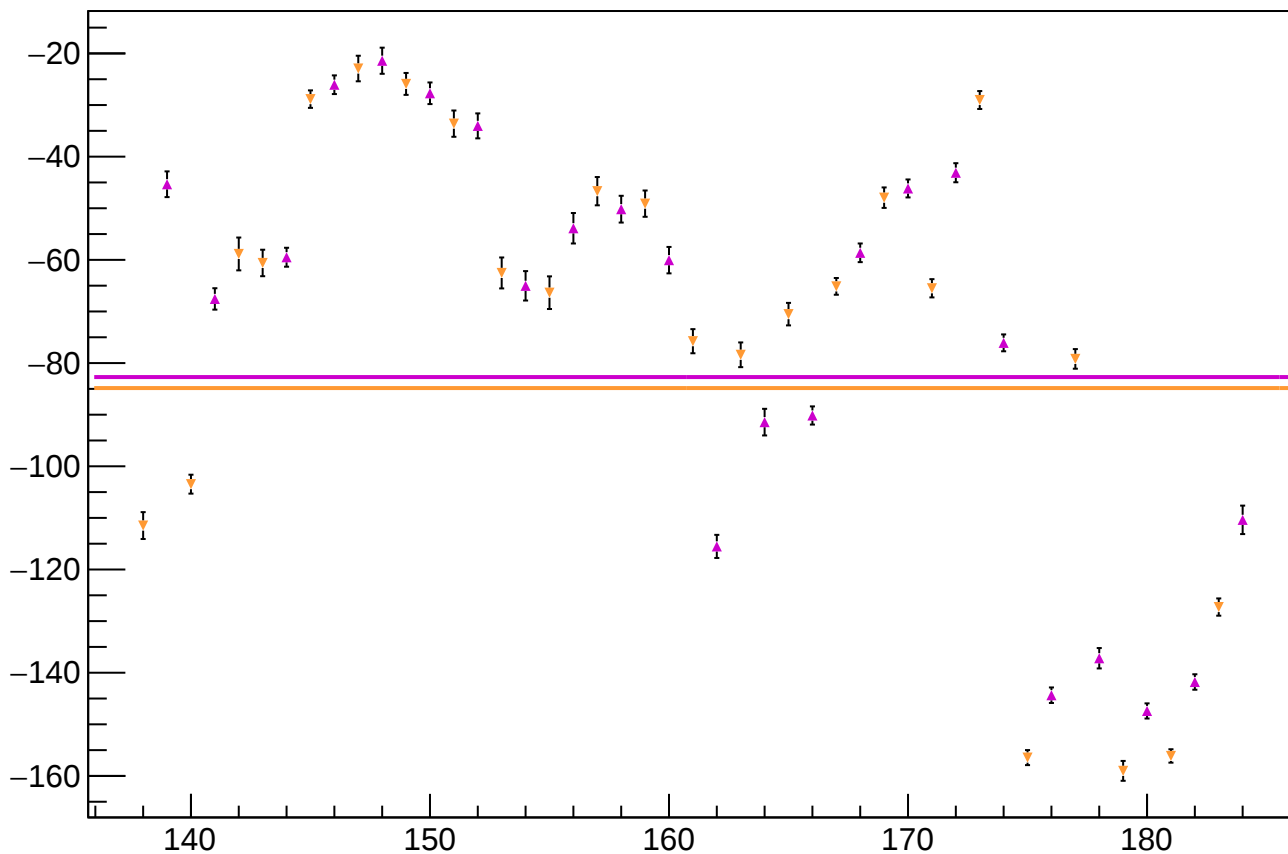
Right: -0.490 ± 0.021 $\chi^2/\text{NDF}: 1017.5/35$

In: 0.128 ± 0.006 $\chi^2/\text{NDF}: 1600.0/39$

Out: 0.108 ± 0.006 $\chi^2/\text{NDF}: 1719.4/42$

All: 0.118 ± 0.004 $\chi^2/\text{NDF}: 3324.6/82$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -84.842 $\pm$ 0.412 χ^2 /NDF:13010.8/23

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

Left In: -82.711 $\pm$ 0.415 χ^2 /NDF:10841.4/22

Left: -83.785 $\pm$ 0.292 χ^2 /NDF: 23865.5/46

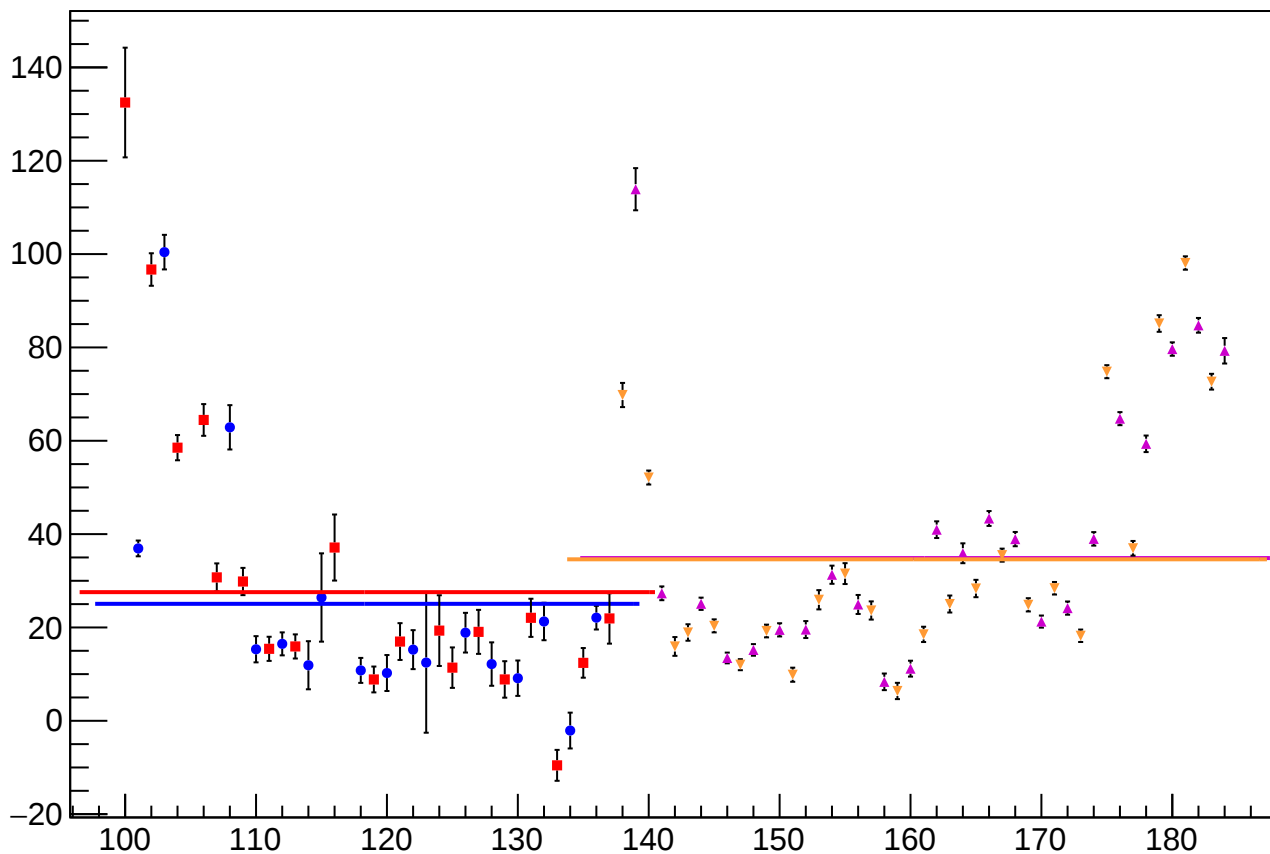
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -82.711 $\pm$ 0.415 χ^2 /NDF:10841.4/22

Out: -84.842 $\pm$ 0.412 χ^2 /NDF:13010.8/23

All: -83.785 $\pm$ 0.292 χ^2 /NDF: 23865.5/46

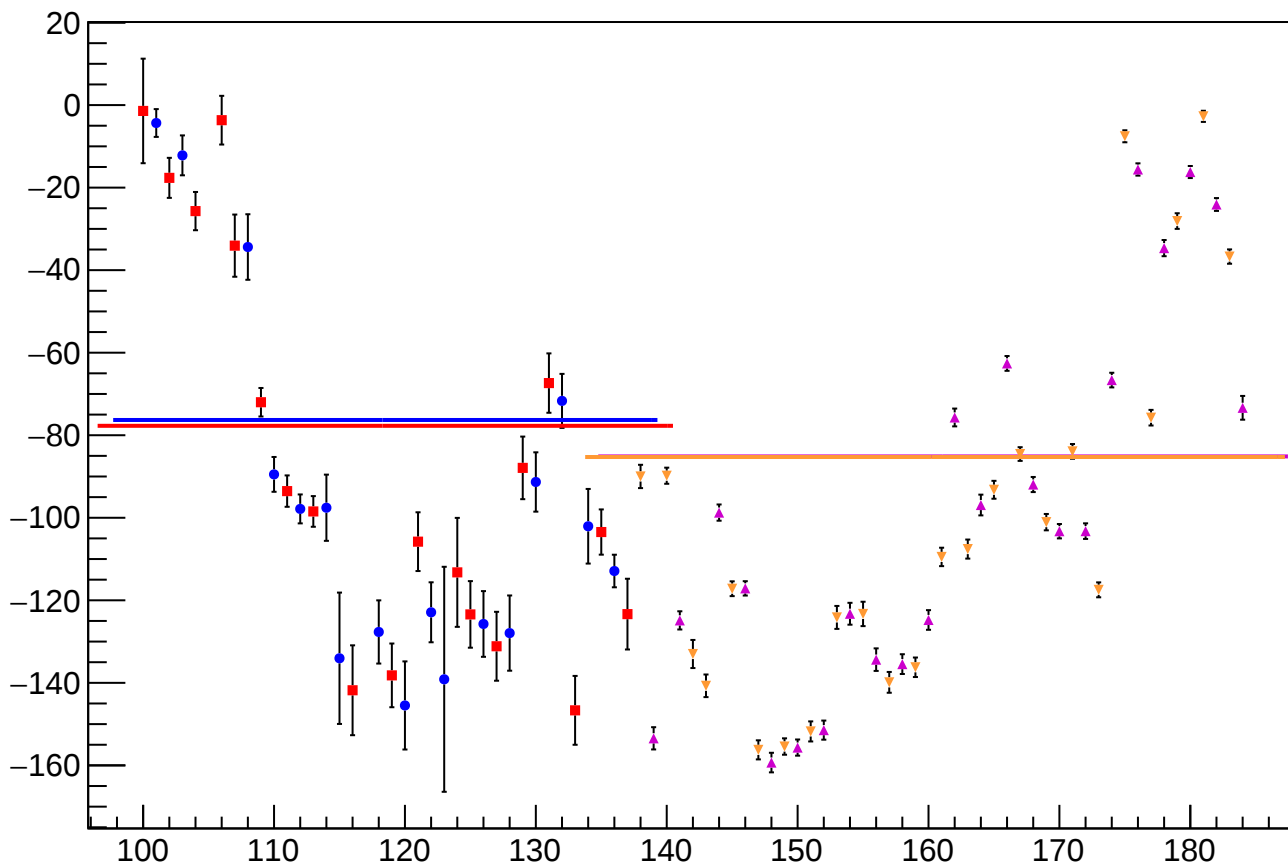
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.063 $\pm$ 0.808 χ^2 /NDF: 686.5/16
 Left Out: 34.601 $\pm$ 0.324 χ^2 /NDF: 6111.0/23
 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: 34.733 $\pm$ 0.231 χ^2 /NDF: 10827.5/46
 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: 33.634 $\pm$ 0.301 χ^2 /NDF: 7189.5/42
 All: 33.554 $\pm$ 0.214 χ^2 /NDF: 12718.7/82

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.304 ± 1.419 $\chi^2/\text{NDF}: 1030.8/16$

Left Out: -85.279 ± 0.413 $\chi^2/\text{NDF}: 14061.6/23$

Right Out: -77.715 ± 1.354 $\chi^2/\text{NDF}: 872.3/18$

Left In: -85.134 ± 0.415 $\chi^2/\text{NDF}: 12841.3/22$

Left: -85.207 ± 0.293 $\chi^2/\text{NDF}: 26903.0/46$

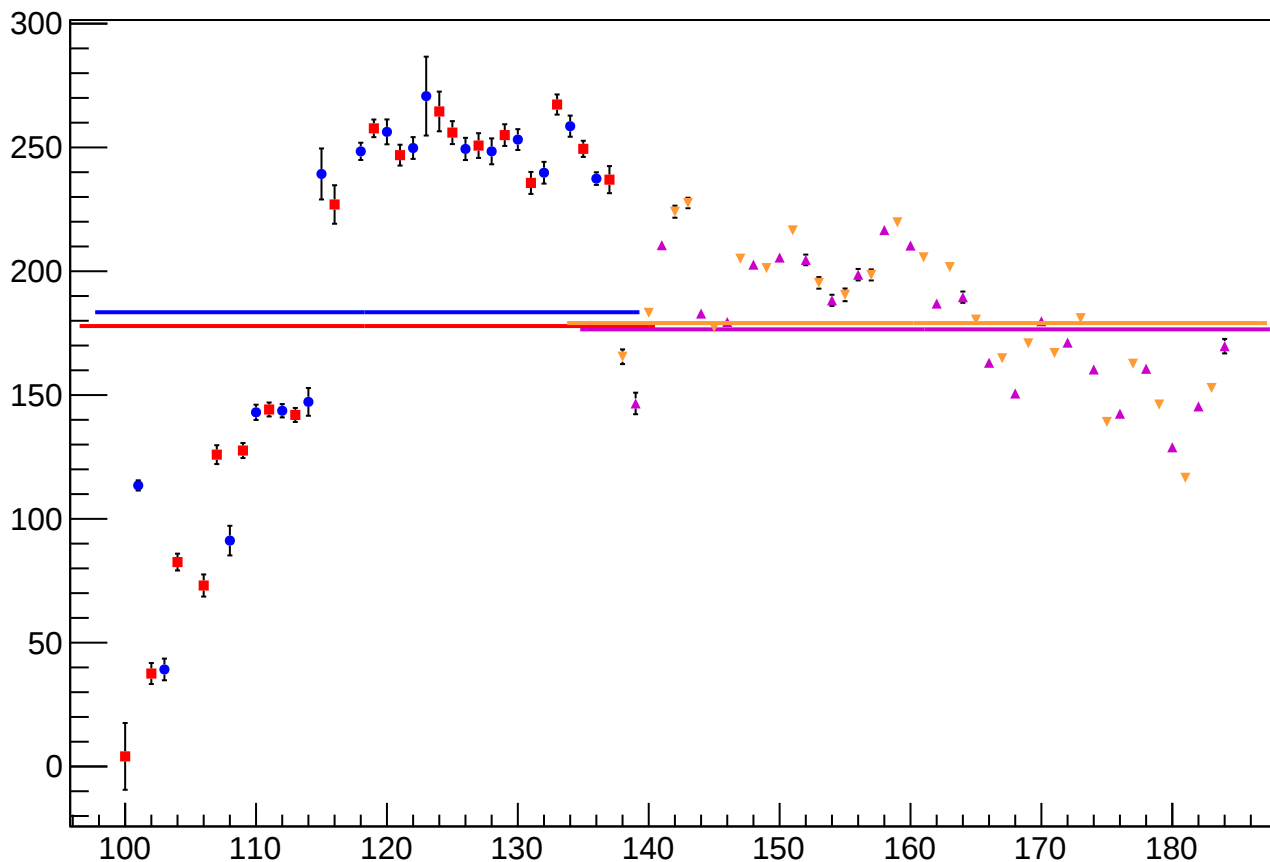
Right: -77.043 ± 0.980 $\chi^2/\text{NDF}: 1903.7/35$

In: -84.438 ± 0.398 $\chi^2/\text{NDF}: 13907.8/39$

Out: -84.635 ± 0.395 $\chi^2/\text{NDF}: 14962.5/42$

All: -84.537 ± 0.281 $\chi^2/\text{NDF}: 28870.4/82$

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: 179.074 $\pm$ 0.366 χ^2 /NDF: 5873.5/23

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: 177.819 $\pm$ 0.261 χ^2 /NDF: 10323.2/46

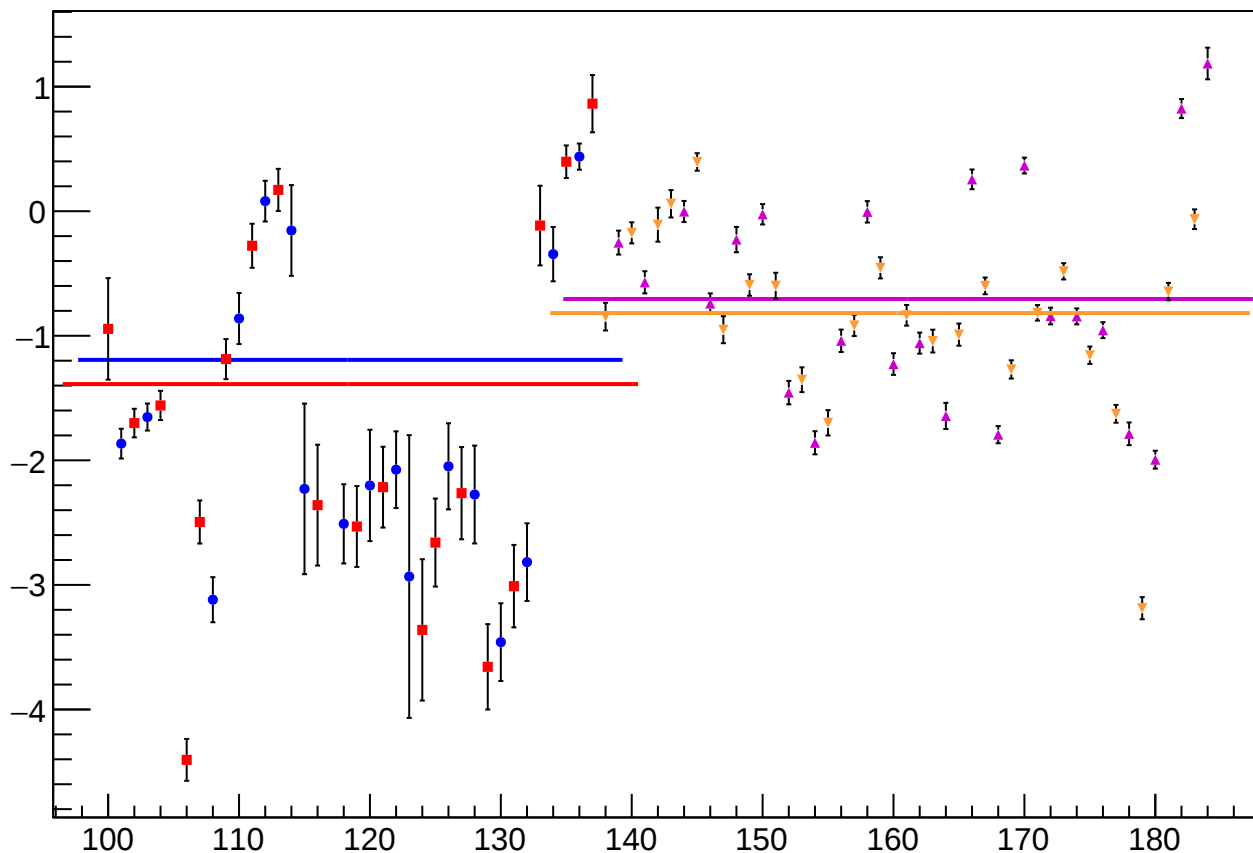
Right: 180.673 $\pm$ 0.652 χ^2 /NDF: 11673.1/35

In: 177.498 $\pm$ 0.344 χ^2 /NDF: 9792.8/39

Out: 178.911 $\pm$ 0.340 χ^2 /NDF: 12211.5/42

All: 178.212 $\pm$ 0.242 χ^2 /NDF: 22012.8/82

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 $\chi^2/\text{NDF}: 620.4/16$

Left Out: -0.818 ± 0.017 $\chi^2/\text{NDF}: 1628.0/23$

Right Out: -1.388 ± 0.046 $\chi^2/\text{NDF}: 919.4/18$

Left In: -0.705 ± 0.017 $\chi^2/\text{NDF}: 2407.7/22$

Left: -0.761 ± 0.012 $\chi^2/\text{NDF}: 4058.0/46$

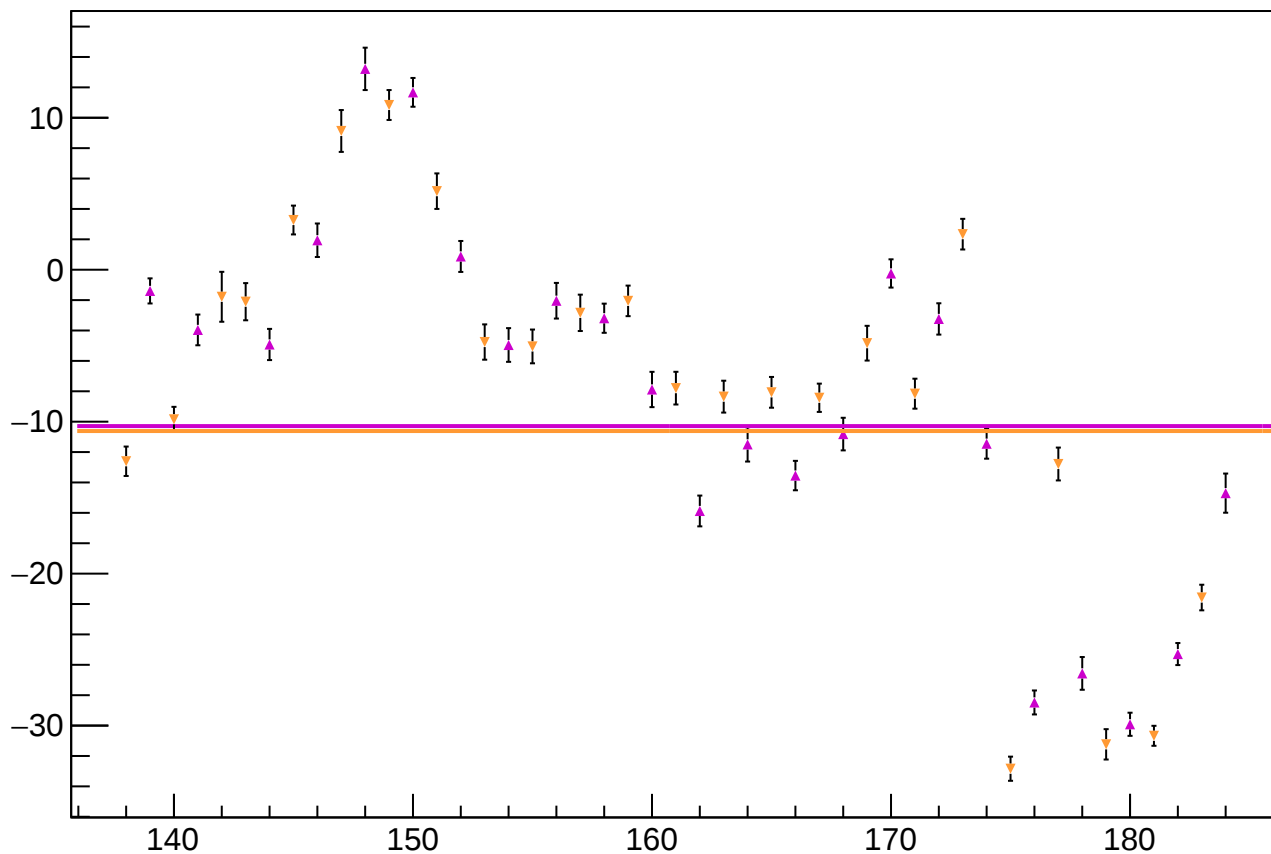
Right: -1.295 ± 0.033 $\chi^2/\text{NDF}: 1548.3/35$

In: -0.758 ± 0.016 $\chi^2/\text{NDF}: 3119.5/39$

Out: -0.885 ± 0.016 $\chi^2/\text{NDF}: 2683.6/42$

All: -0.822 ± 0.011 $\chi^2/\text{NDF}: 5835.1/82$

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -10.617+/-0.204 χ^2/NDF :3855.7/23

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

Left In: -10.290+/-0.205 χ^2/NDF :3451.0/22

Left: -10.455+/-0.145 χ^2/NDF : 7308.0/46

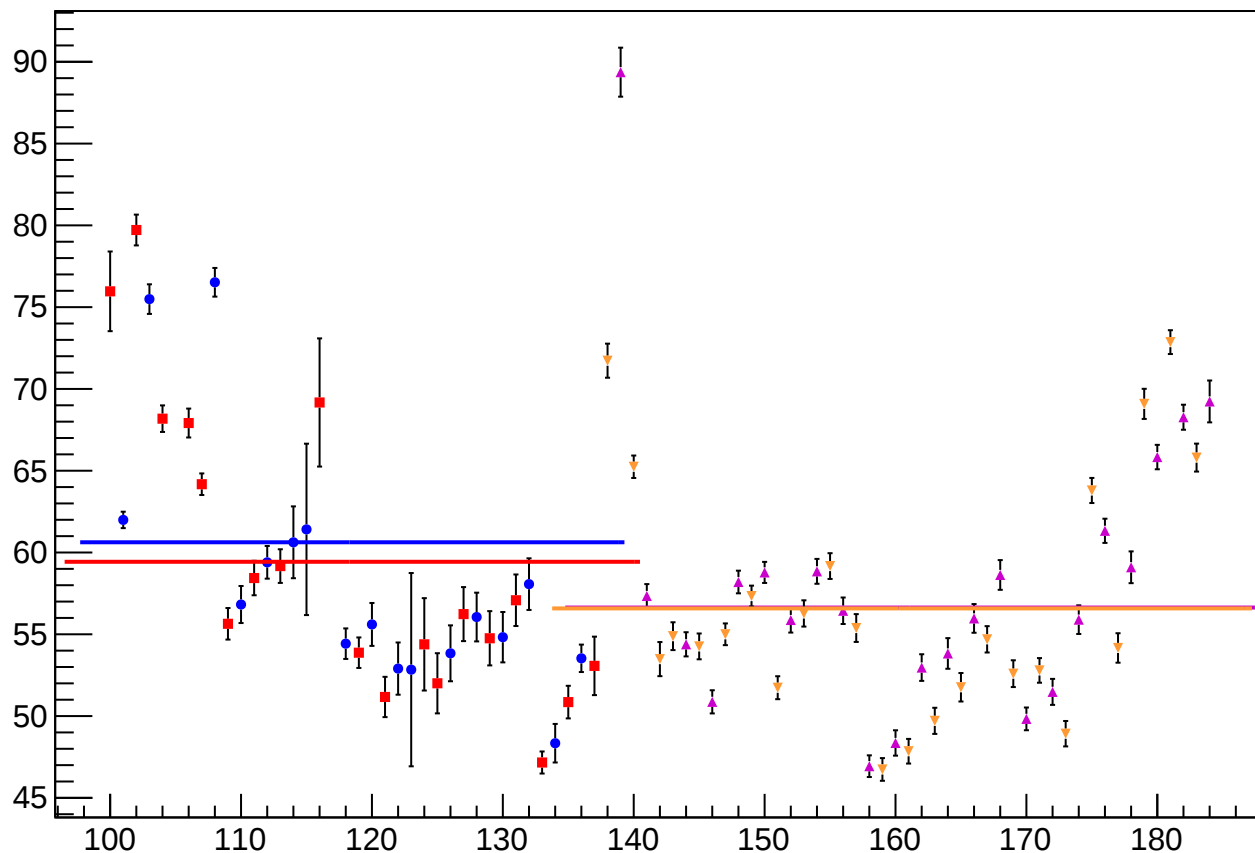
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -10.290+/-0.205 χ^2/NDF :3451.0/22

Out: -10.617+/-0.204 χ^2/NDF :3855.7/23

All: -10.455+/-0.145 χ^2/NDF : 7308.0/46

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: 56.582 $\pm$ 0.161 χ^2/NDF :1948.1/23

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: 56.608 $\pm$ 0.115 χ^2/NDF : 3556.1/46

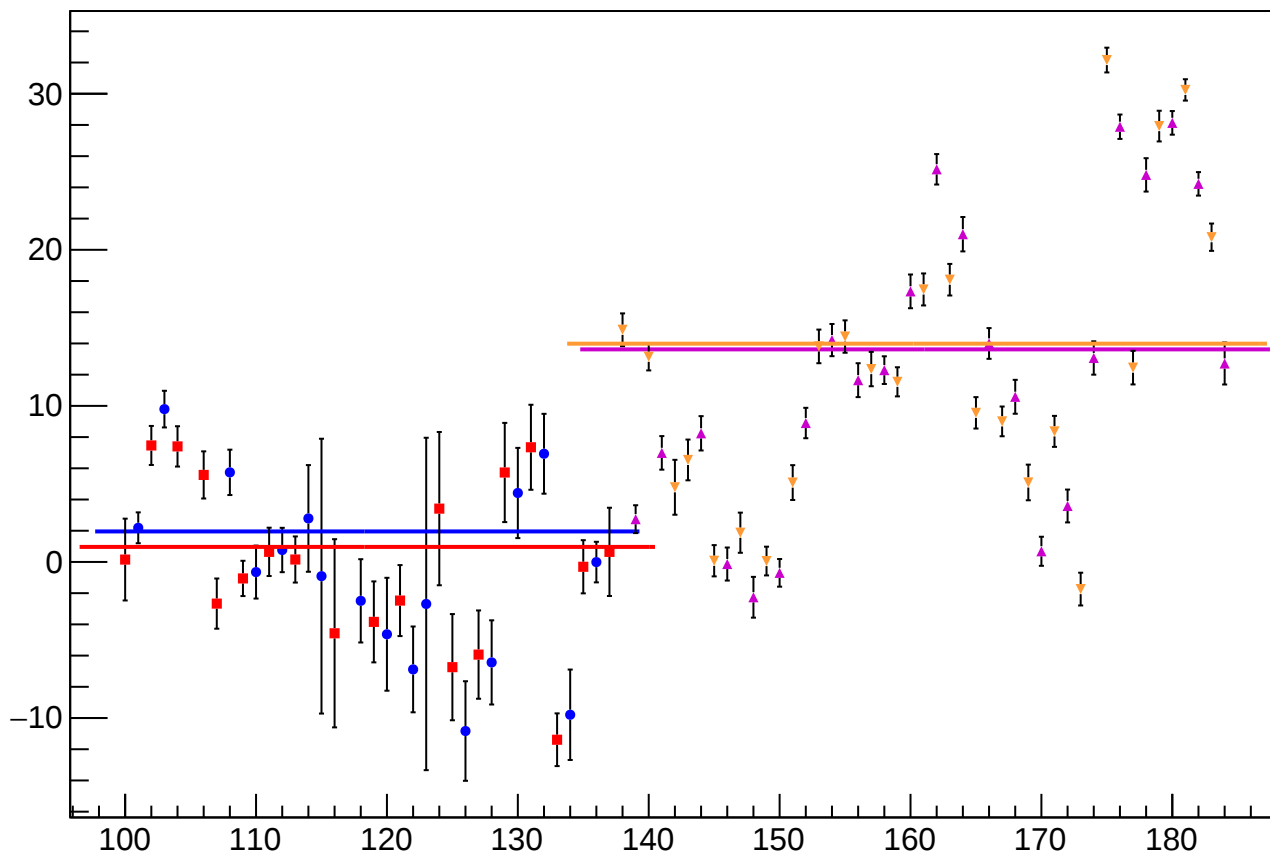
Right: 59.993 $\pm$ 0.181 χ^2/NDF : 2260.6/35

In: 57.761 $\pm$ 0.140 χ^2/NDF :2697.3/39

Out: 57.424 $\pm$ 0.135 χ^2/NDF :3366.4/42

All: 57.586 $\pm$ 0.097 χ^2/NDF : 6066.7/82

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.955 ± 0.459 χ^2/NDF : 120.2/16

Left Out: 13.986 ± 0.204 χ^2/NDF : 2389.4/23

Right Out: 0.964 ± 0.425 χ^2/NDF : 149.6/18

Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

Left: 13.804 ± 0.144 χ^2/NDF : 4706.4/46

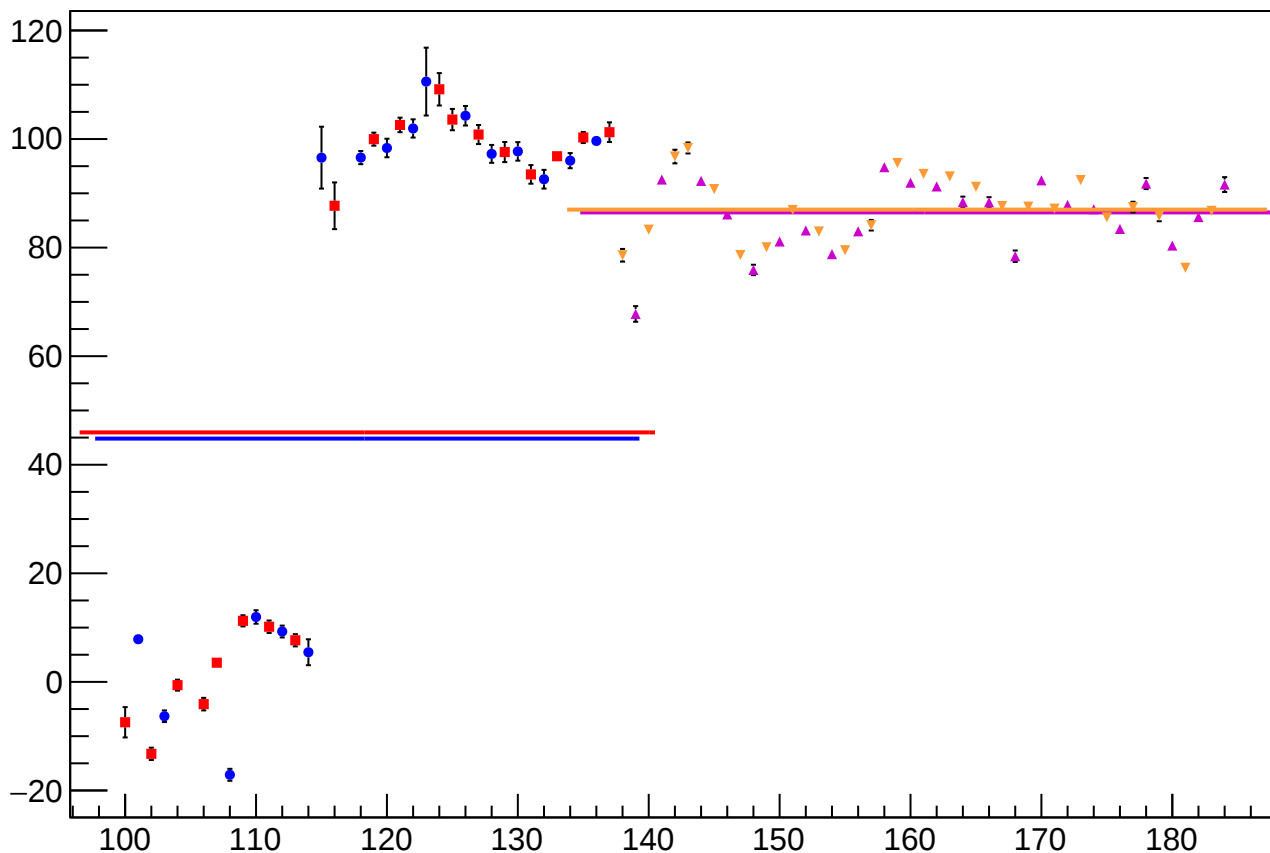
Right: 1.421 ± 0.312 χ^2/NDF : 272.4/35

In: 11.691 ± 0.187 χ^2/NDF : 2973.8/39

Out: 11.550 ± 0.184 χ^2/NDF : 3303.6/42

All: 11.620 ± 0.131 χ^2/NDF : 6277.7/82

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: 86.996 $\pm$ 0.181 χ^2 /NDF:1055.8/23

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: 86.744 $\pm$ 0.129 χ^2 /NDF: 2062.9/46

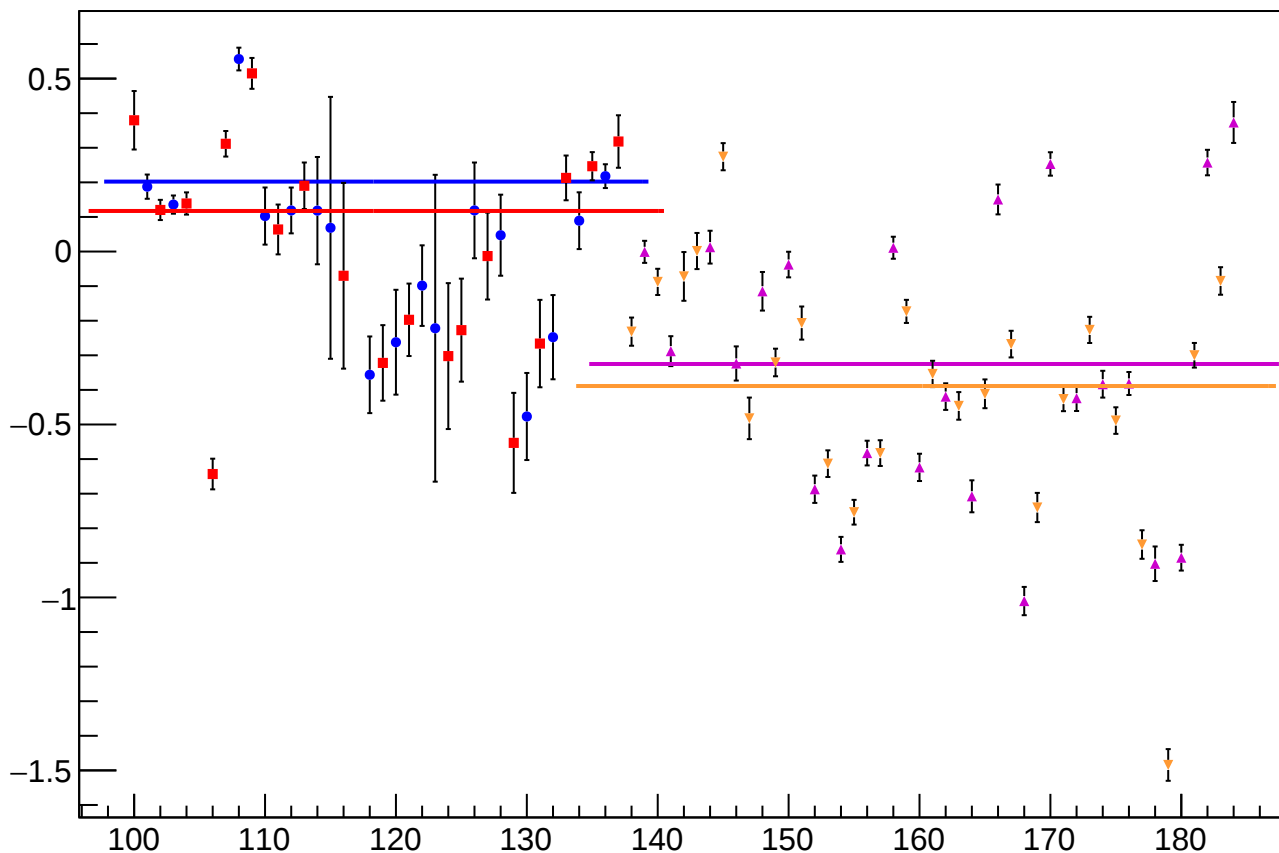
Right: 45.417 $\pm$ 0.210 χ^2 /NDF: 52923.6/35

In: 75.311 $\pm$ 0.158 χ^2 /NDF:39360.0/39

Out: 75.472 $\pm$ 0.154 χ^2 /NDF:43702.6/42

All: 75.394 $\pm$ 0.110 χ^2 /NDF: 83063.1/82

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 215.7/16

Left Out: -0.389 ± 0.008 χ^2/NDF : 1534.1/23

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: -0.357 ± 0.006 χ^2/NDF : 3848.2/46

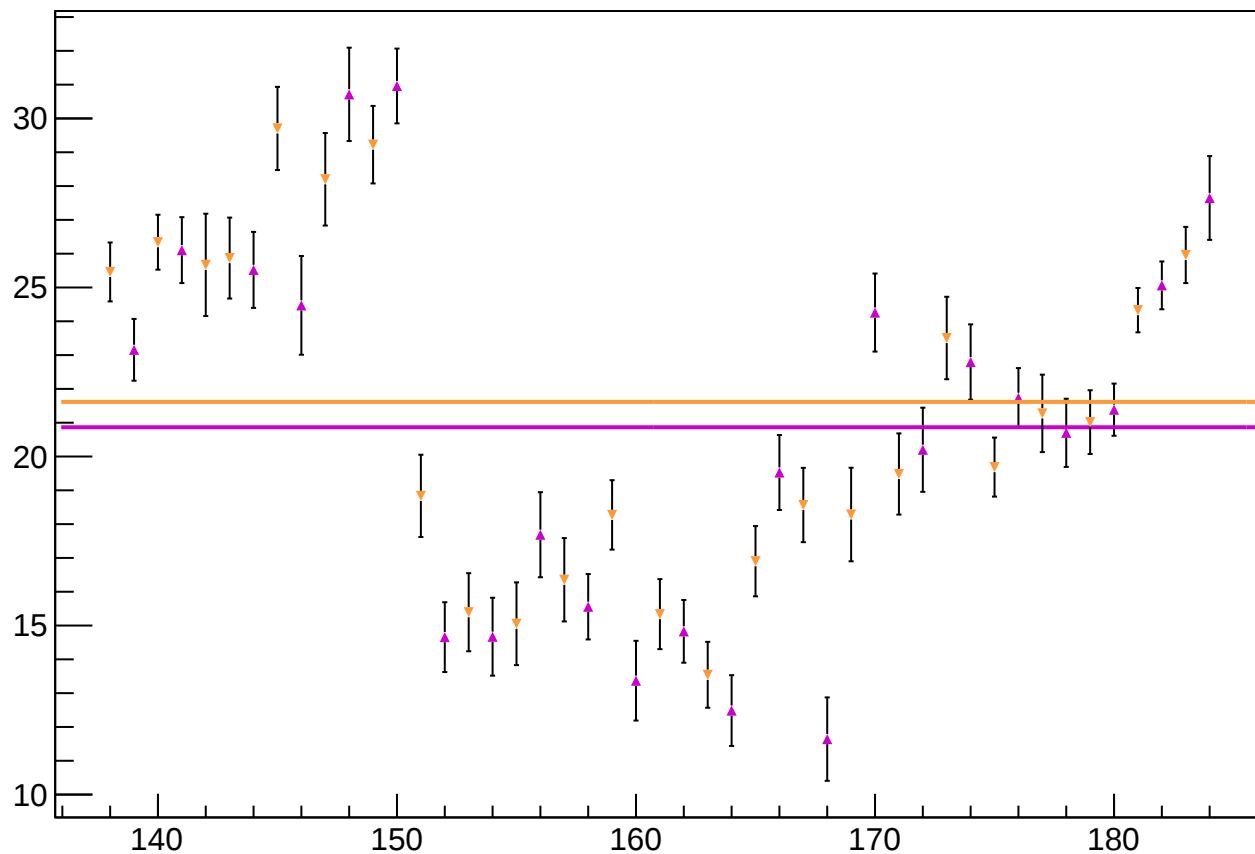
Right: 0.157 ± 0.010 χ^2/NDF : 734.4/35

In: -0.191 ± 0.007 χ^2/NDF : 3548.9/39

Out: -0.244 ± 0.007 χ^2/NDF : 3110.3/42

All: -0.218 ± 0.005 χ^2/NDF : 6688.0/82

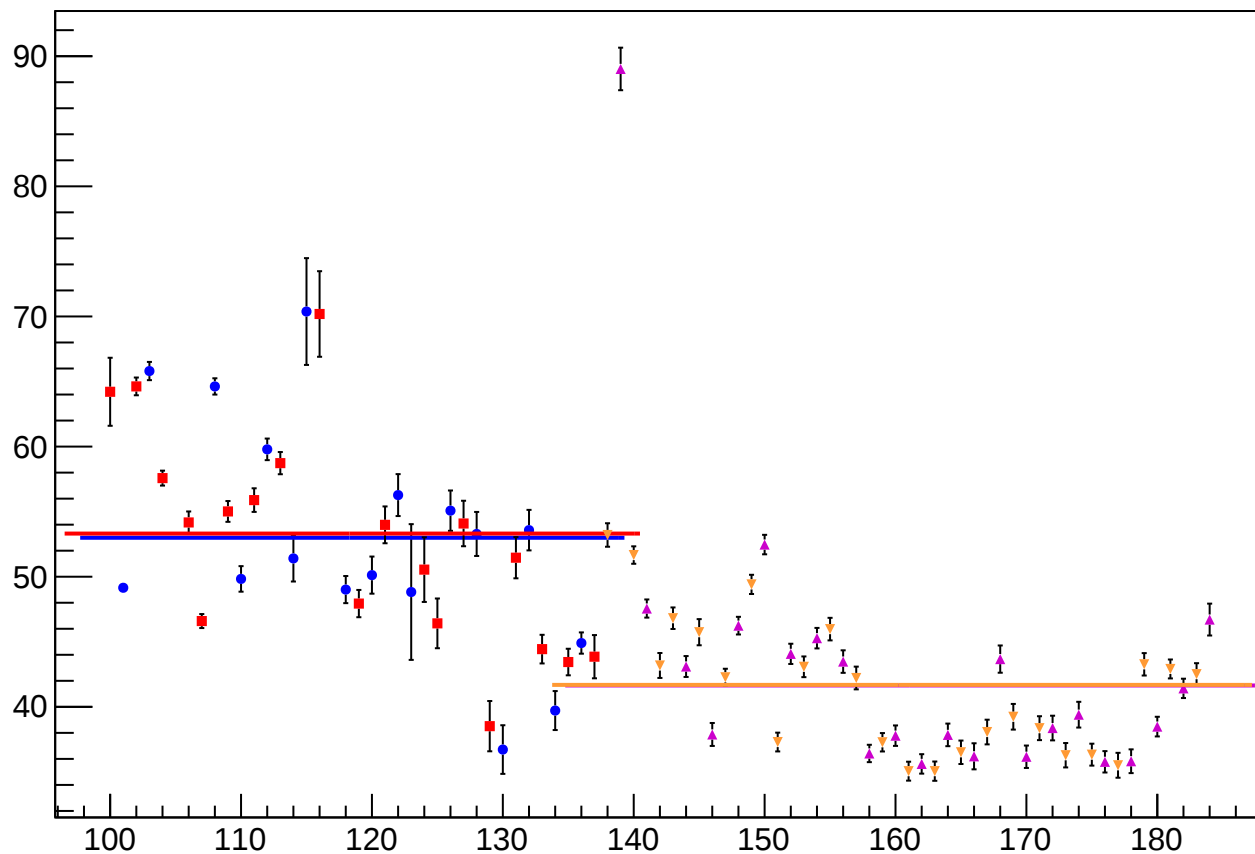
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 21.616 $\pm$ 0.212 χ^2/NDF :470.1/23
 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: 21.249 $\pm$ 0.152 χ^2/NDF : 1053.1/46
 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: 21.616 $\pm$ 0.212 χ^2/NDF :470.1/23
 All: 21.249 $\pm$ 0.152 χ^2/NDF : 1053.1/46

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: 41.688 $\pm$ 0.167 χ^2 /NDF:1008.1/23

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: 41.666 $\pm$ 0.120 χ^2 /NDF: 2619.1/46

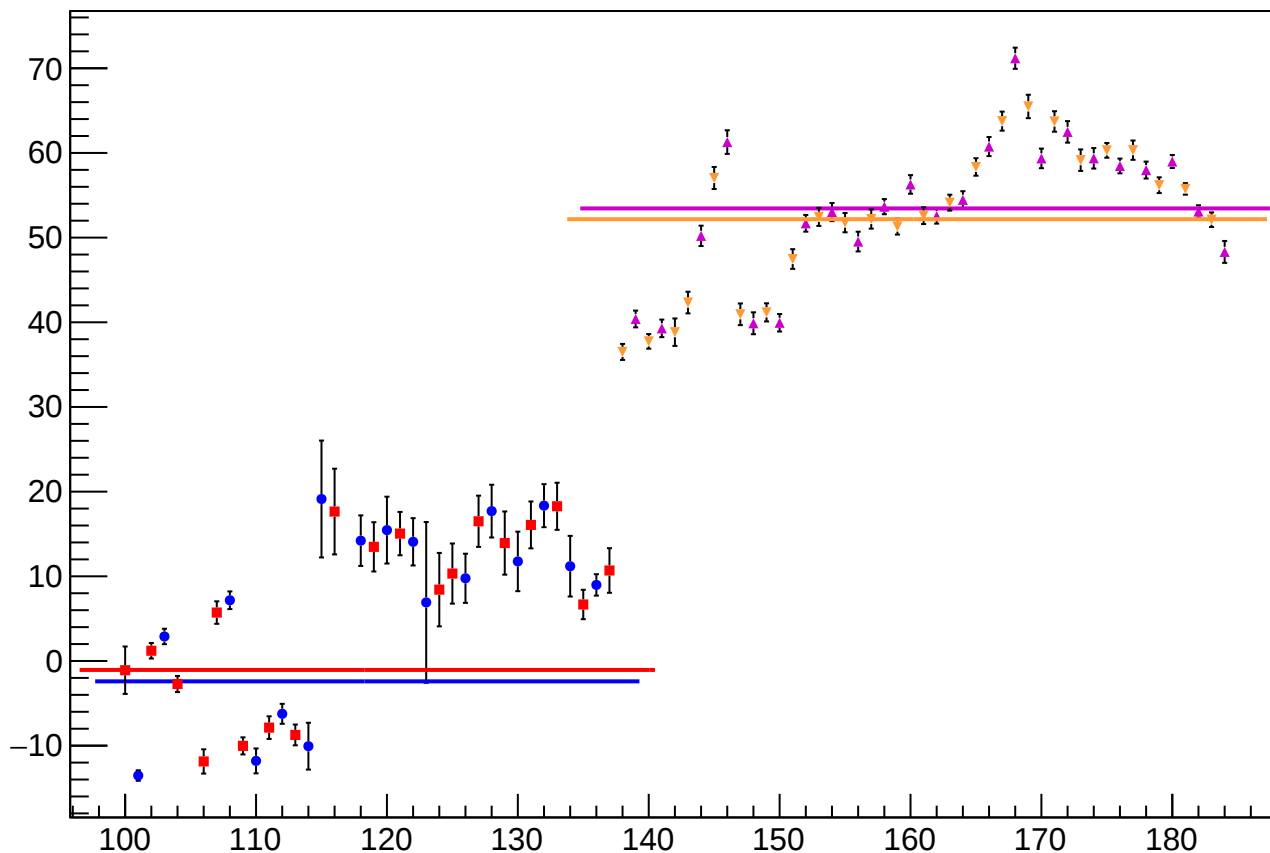
Right: 53.143 $\pm$ 0.155 χ^2 /NDF: 2075.6/35

In: 46.229 $\pm$ 0.134 χ^2 /NDF:4532.8/39

Out: 45.776 $\pm$ 0.134 χ^2 /NDF:3588.8/42

All: 46.003 $\pm$ 0.095 χ^2 /NDF: 8127.4/82

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.405 ± 0.365 χ^2/NDF : 832.0/16

Left Out: 52.174 ± 0.212 χ^2/NDF : 1439.1/23

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: 52.801 ± 0.151 χ^2/NDF : 2625.8/46

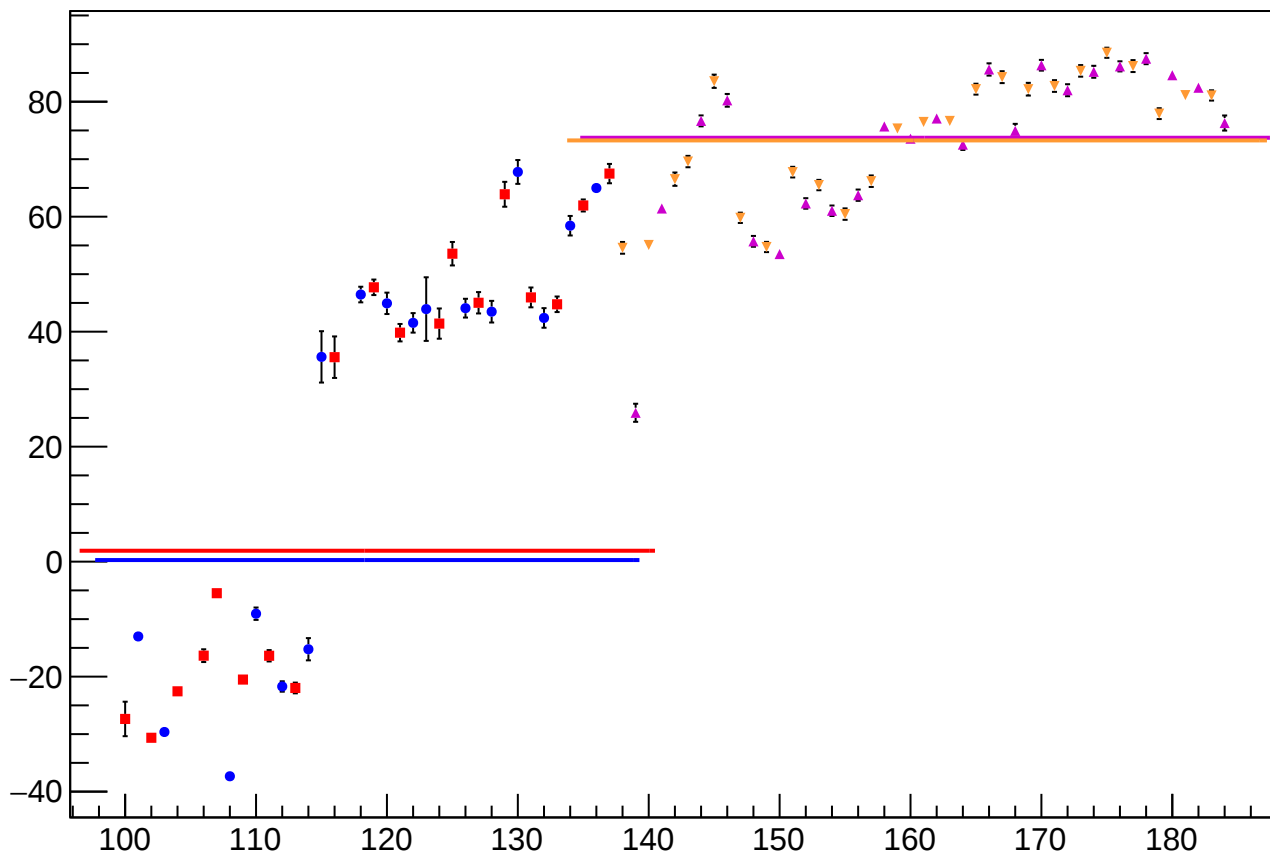
Right: -1.753 ± 0.262 χ^2/NDF : 1344.1/35

In: 39.004 ± 0.185 χ^2/NDF : 19395.4/39

Out: 39.384 ± 0.185 χ^2/NDF : 17072.1/42

All: 39.194 ± 0.131 χ^2/NDF : 36469.7/82

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.275 $\pm$ 0.248 χ^2 /NDF: 18220.1/16

Left Out: 73.266 $\pm$ 0.189 χ^2 /NDF:3145.8/23

Right Out: 1.897 $\pm$ 0.267 χ^2 /NDF: 15412.8/18

Left In: 73.730 $\pm$ 0.194 χ^2 /NDF:3775.8/22

Left: 73.491 $\pm$ 0.135 χ^2 /NDF: 6924.5/46

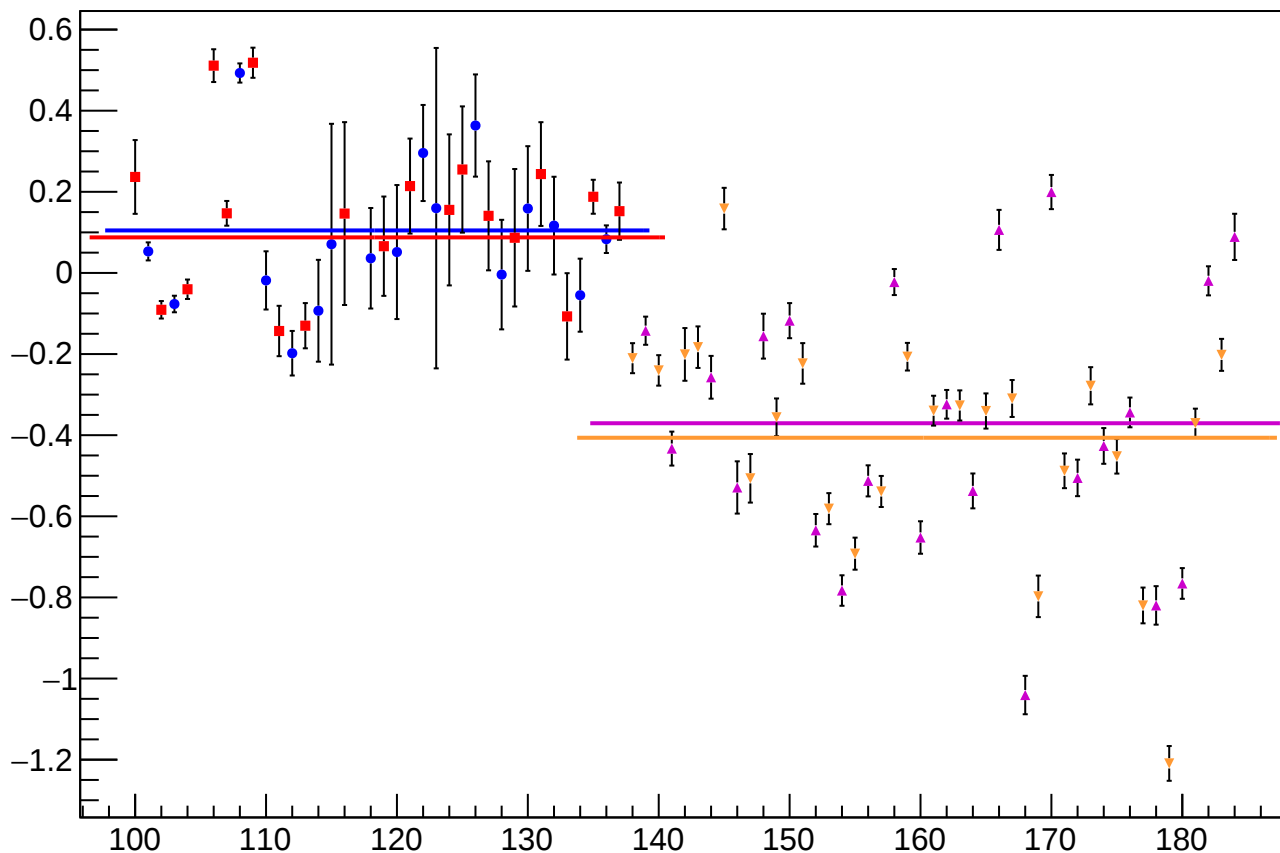
Right: 1.026 $\pm$ 0.181 χ^2 /NDF: 33652.7/35

In: 45.735 $\pm$ 0.153 χ^2 /NDF:76445.7/39

Out: 49.452 $\pm$ 0.154 χ^2 /NDF:66245.1/42

All: 47.579 $\pm$ 0.109 χ^2 /NDF: 142983.9/82

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 $\pm$ 0.011 χ^2 /NDF: 400.8/16

Left Out: -0.406 $\pm$ 0.009 χ^2 /NDF:887.8/23

Right Out: 0.088 $\pm$ 0.011 χ^2 /NDF: 390.7/18

Left In: -0.371 $\pm$ 0.009 χ^2 /NDF:1313.7/22

Left: -0.389 $\pm$ 0.006 χ^2 /NDF: 2210.0/46

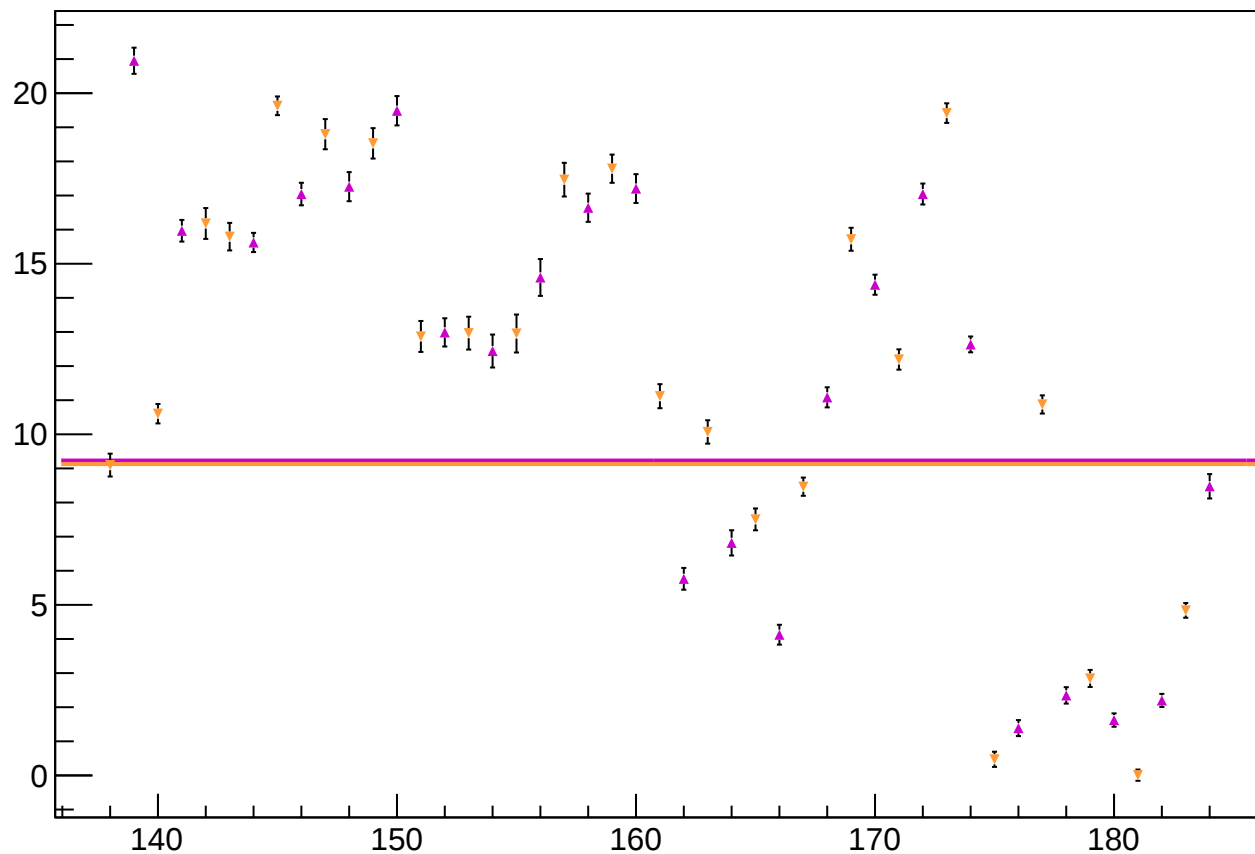
Right: 0.096 $\pm$ 0.008 χ^2 /NDF: 792.8/35

In: -0.188 $\pm$ 0.007 χ^2 /NDF:2857.6/39

Out: -0.218 $\pm$ 0.007 χ^2 /NDF:2522.7/42

All: -0.203 $\pm$ 0.005 χ^2 /NDF: 5389.5/82

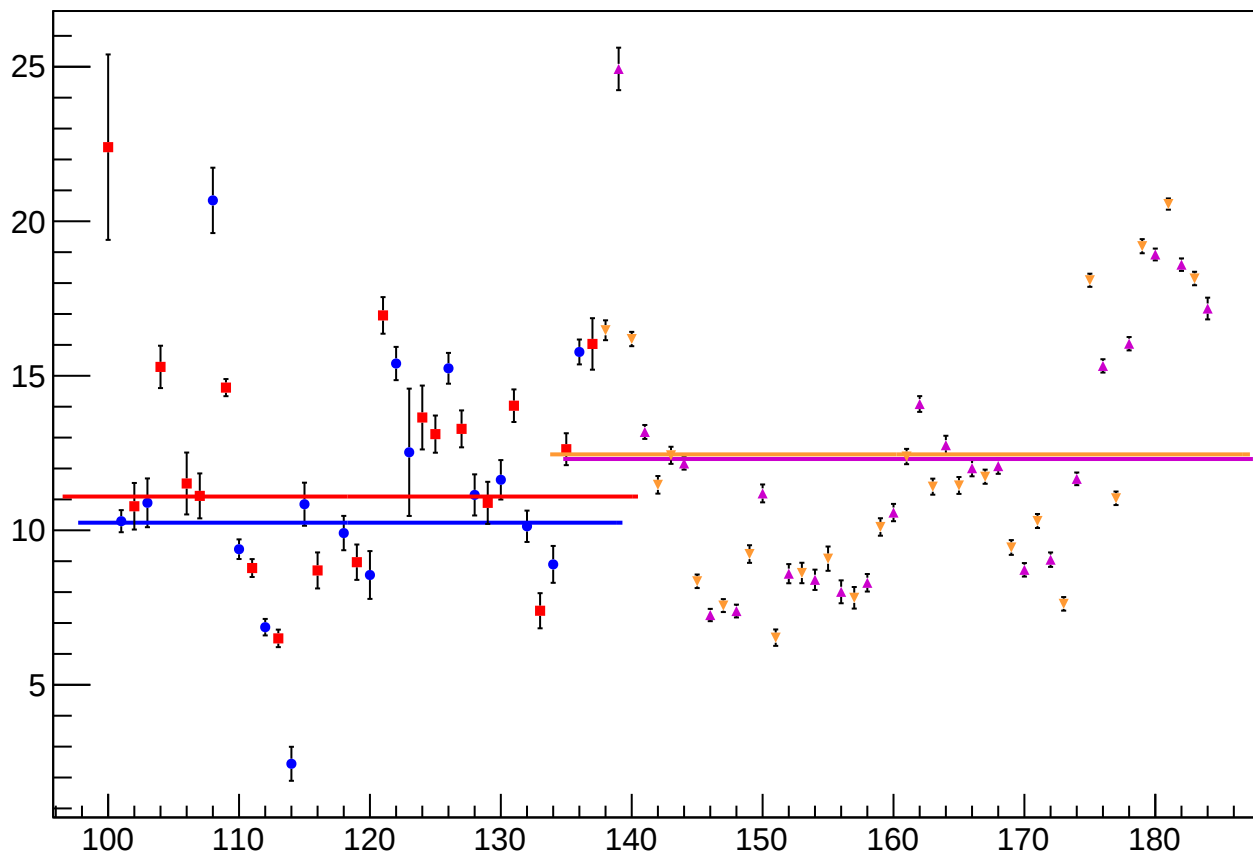
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 9.127 $\pm$ 0.062 χ^2/NDF :11310.8/23
 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: 9.178 $\pm$ 0.044 χ^2/NDF : 22048.3/46
 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: 9.127 $\pm$ 0.062 χ^2/NDF :11310.8/23
 All: 9.178 $\pm$ 0.044 χ^2/NDF : 22048.3/46

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.246 ± 0.120 $\chi^2/\text{NDF}: 866.1/16$

Left Out: 12.457 ± 0.050 $\chi^2/\text{NDF}: 7447.8/23$

Right Out: 11.093 ± 0.117 $\chi^2/\text{NDF}: 816.7/18$

Left In: 12.307 ± 0.051 $\chi^2/\text{NDF}: 5601.8/22$

Left: 12.383 ± 0.036 $\chi^2/\text{NDF}: 13054.0/46$

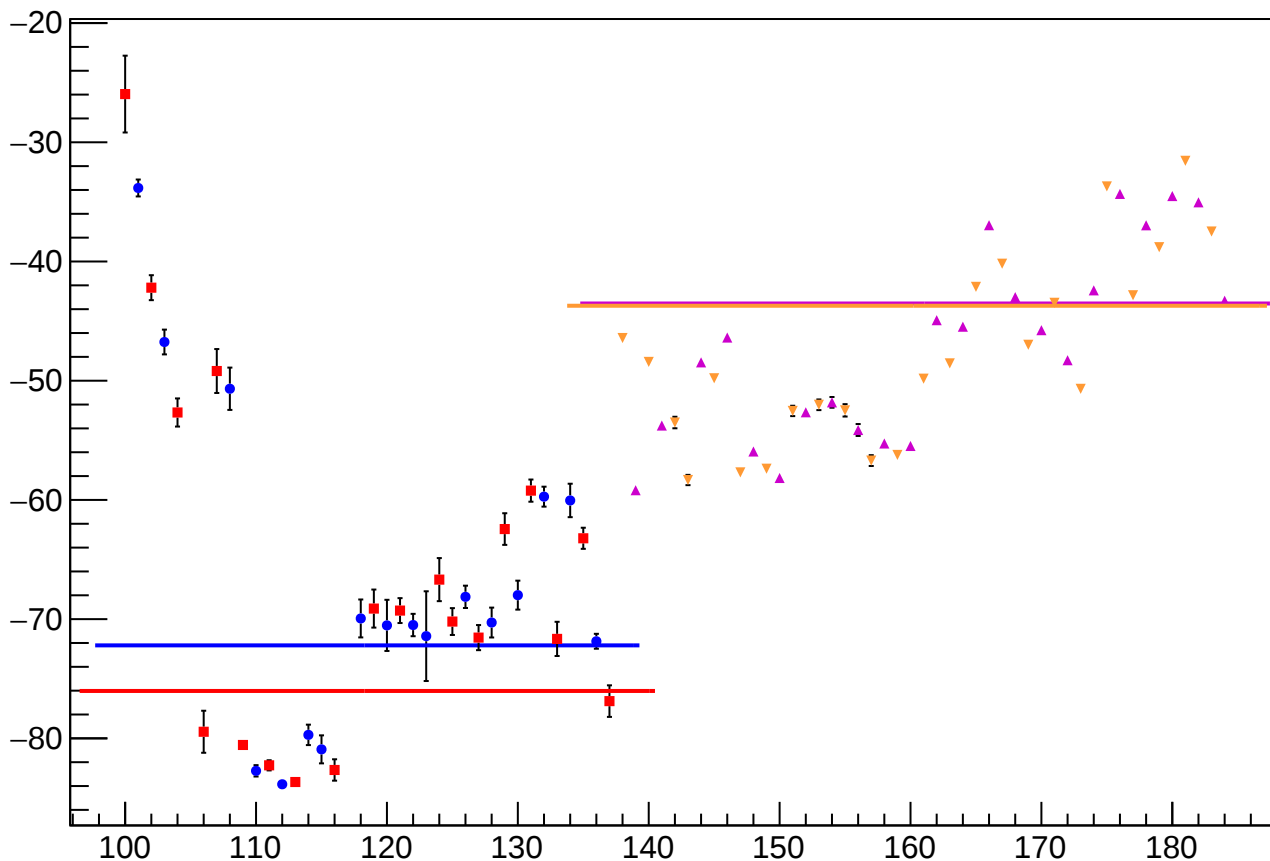
Right: 10.681 ± 0.083 $\chi^2/\text{NDF}: 1708.5/35$

In: 11.988 ± 0.047 $\chi^2/\text{NDF}: 6718.6/39$

Out: 12.242 ± 0.046 $\chi^2/\text{NDF}: 8380.1/42$

All: 12.117 ± 0.033 $\chi^2/\text{NDF}: 15113.5/82$

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.200 ± 0.198 χ^2/NDF : 5562.7/16

Left Out: -43.711 ± 0.063 χ^2/NDF : 17011.2/23

Right Out: -76.024 ± 0.181 χ^2/NDF : 3459.2/18

Left In: -43.523 ± 0.063 χ^2/NDF : 15267.1/22

Left: -43.618 ± 0.045 χ^2/NDF : 32282.8/46

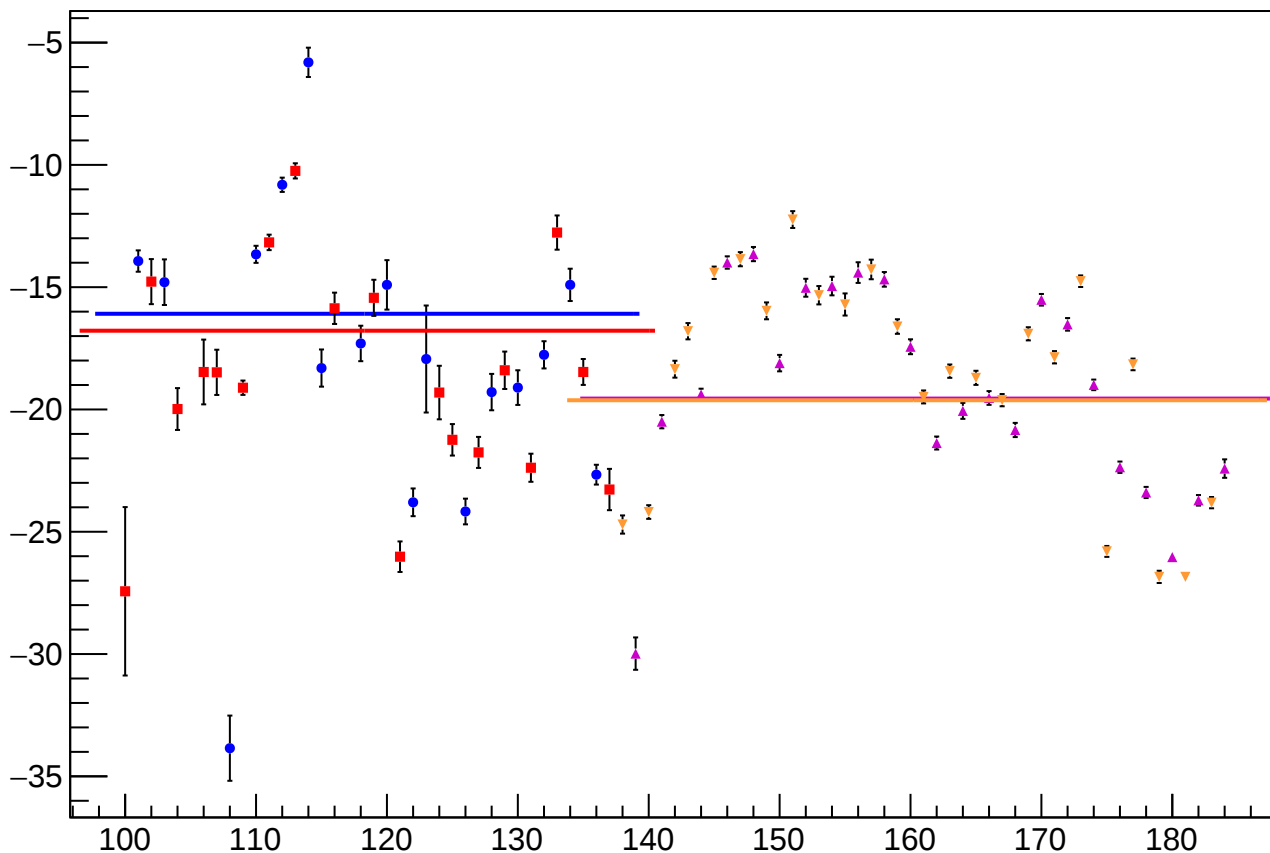
Right: -74.286 ± 0.134 χ^2/NDF : 9224.5/35

In: -46.173 ± 0.060 χ^2/NDF : 39784.8/39

Out: -47.175 ± 0.059 χ^2/NDF : 48880.5/42

All: -46.683 ± 0.042 χ^2/NDF : 88805.4/82

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: -19.623 ± 0.057 $\chi^2/\text{NDF}: 6359.1/23$
 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: -19.589 ± 0.040 $\chi^2/\text{NDF}: 10671.0/46$

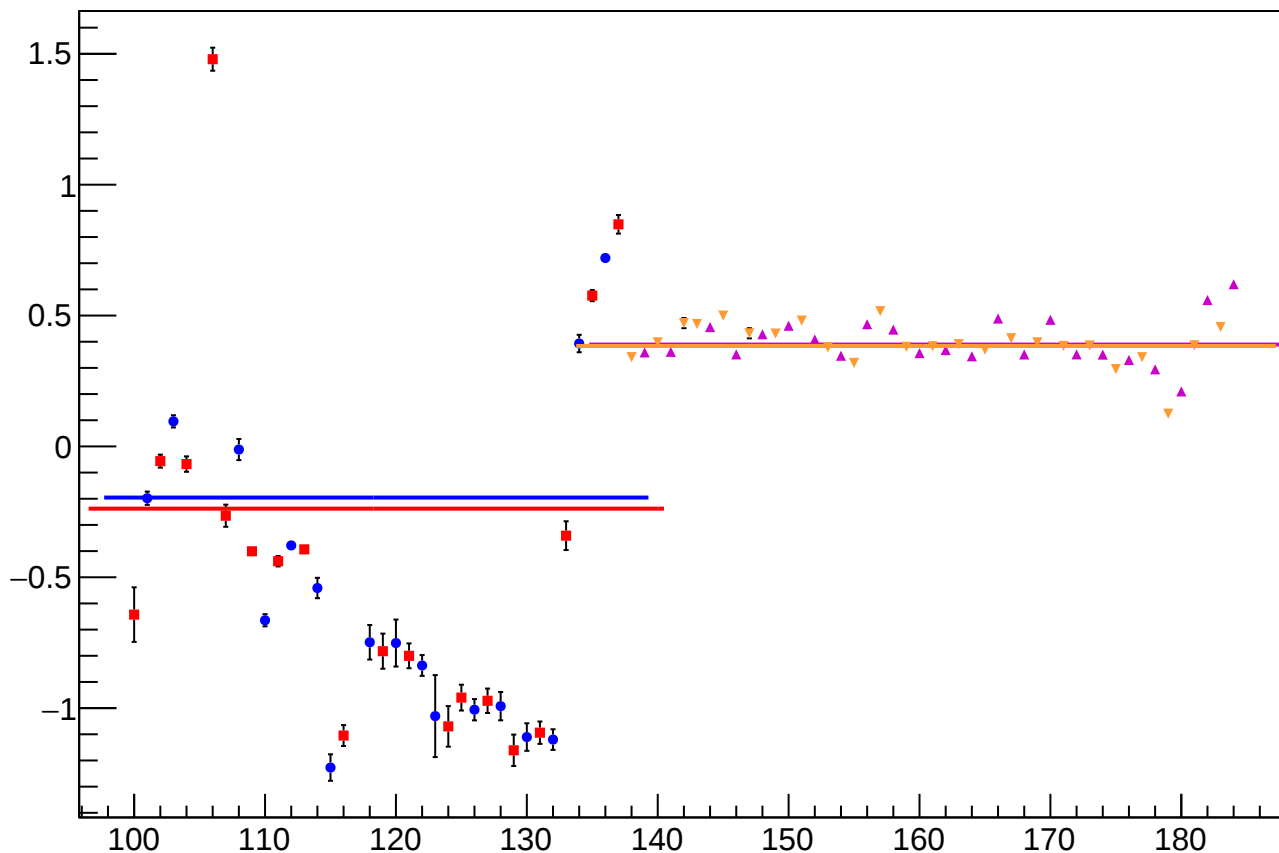
Right: -16.445 ± 0.092 $\chi^2/\text{NDF}: 2846.0/35$

In: -19.010 ± 0.053 $\chi^2/\text{NDF}: 6506.4/39$

Out: -19.161 ± 0.052 $\chi^2/\text{NDF}: 7981.5/42$

All: -19.087 ± 0.037 $\chi^2/\text{NDF}: 14492.0/82$

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.195 ± 0.008 χ^2/NDF : 6316.5/16

Left Out: 0.384 ± 0.003 χ^2/NDF : 945.4/23

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: 0.386 ± 0.002 χ^2/NDF : 2204.4/46

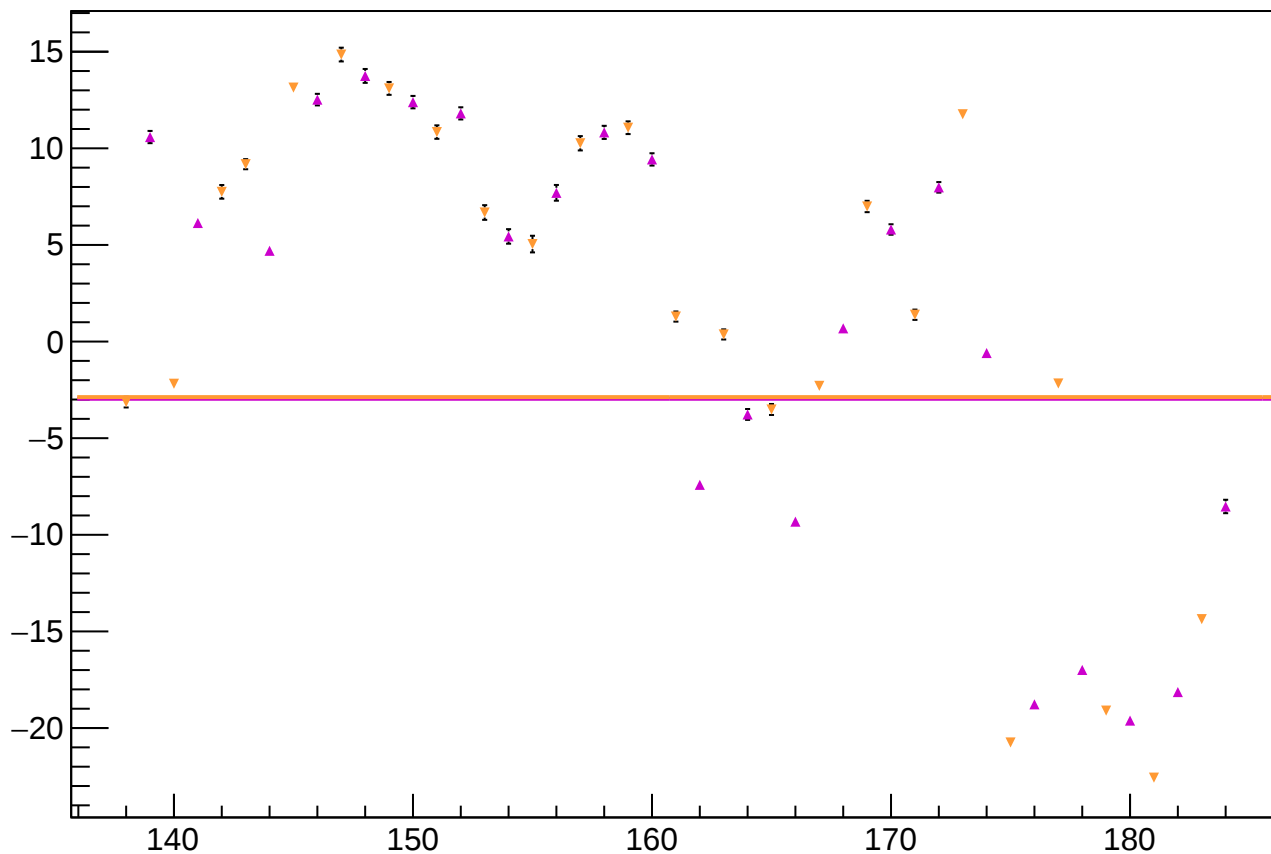
Right: -0.218 ± 0.005 χ^2/NDF : 12509.6/35

In: 0.326 ± 0.002 χ^2/NDF : 12915.5/39

Out: 0.312 ± 0.002 χ^2/NDF : 13736.1/42

All: 0.319 ± 0.002 χ^2/NDF : 26669.8/82

reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.875+/-0.053 χ^2/NDF : 53406.1/23
 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: -2.916+/-0.038 χ^2/NDF : 99330.0/46

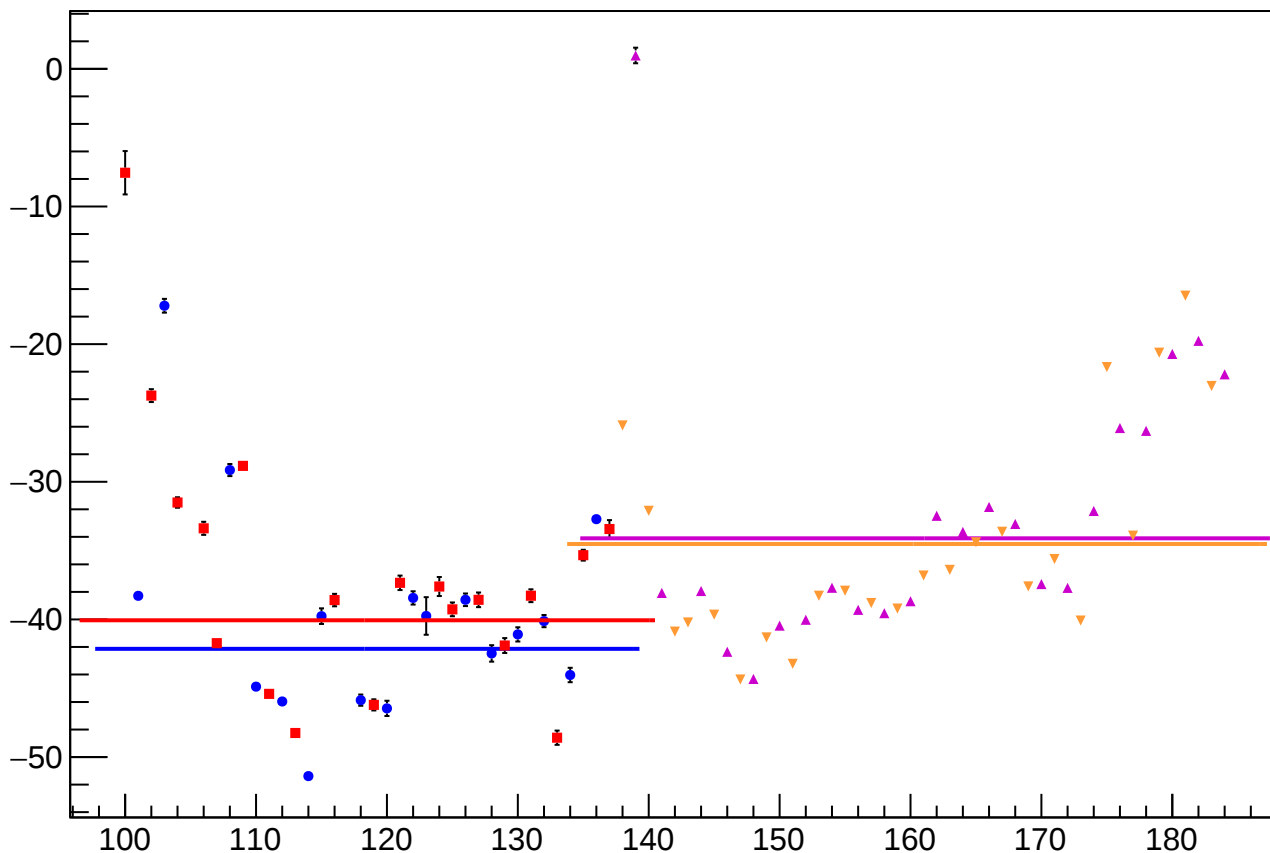
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.959+/-0.055 χ^2/NDF : 45922.6/22

Out: -2.875+/-0.053 χ^2/NDF : 53406.1/23

All: -2.916+/-0.038 χ^2/NDF : 99330.0/46

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: -34.520 ± 0.042 $\chi^2/\text{NDF}: 34208.7/23$

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: -34.322 ± 0.030 $\chi^2/\text{NDF}: 63307.1/46$

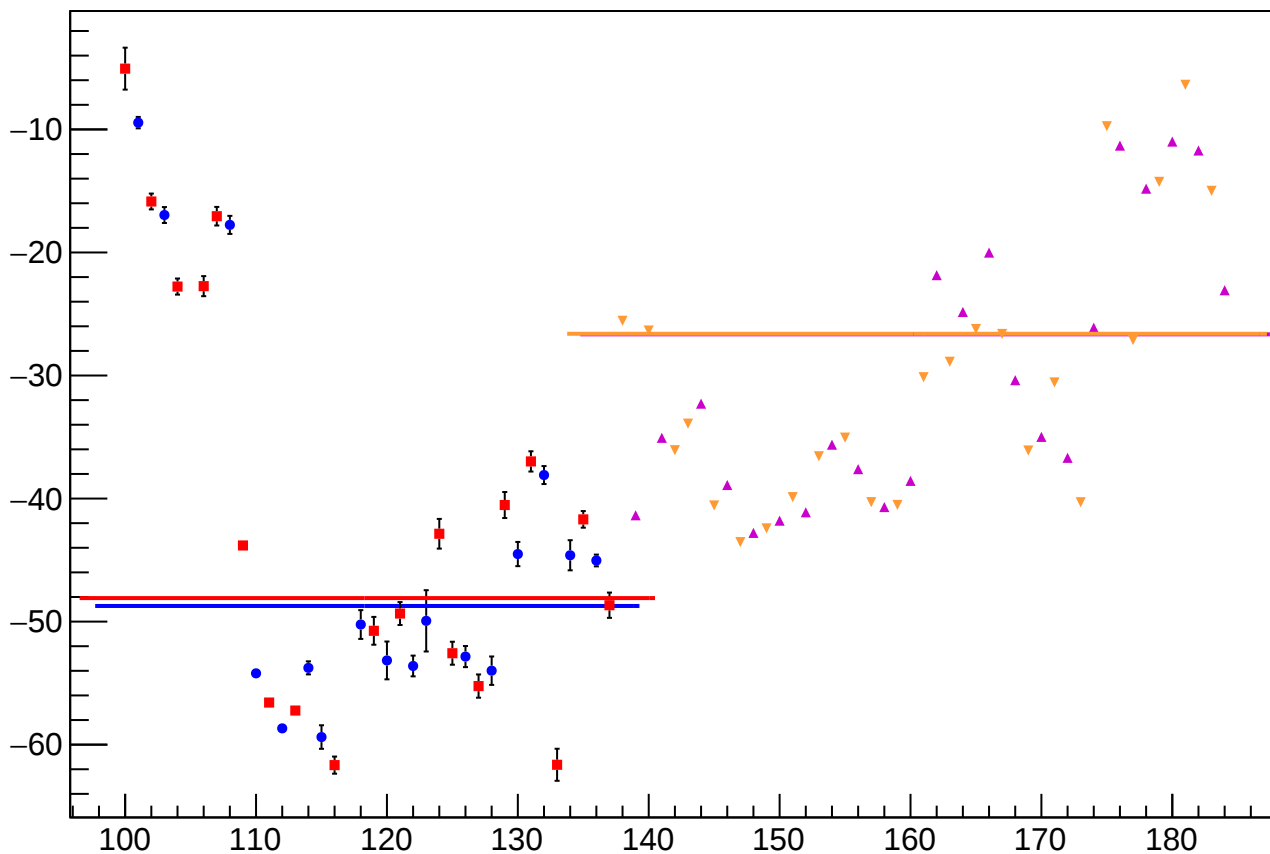
Right: -41.025 ± 0.053 $\chi^2/\text{NDF}: 18250.8/35$

In: -36.037 ± 0.038 $\chi^2/\text{NDF}: 43618.7/39$

Out: -35.919 ± 0.037 $\chi^2/\text{NDF}: 49859.7/42$

All: -35.975 ± 0.026 $\chi^2/\text{NDF}: 93483.4/82$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.729 ± 0.125 χ^2/NDF : 14659.5/16

Left Out: -26.606 ± 0.054 χ^2/NDF : 47310.0/23

Right Out: -48.089 ± 0.107 χ^2/NDF : 11732.9/18

Left In: -26.654 ± 0.055 χ^2/NDF : 42106.8/22

Left: -26.629 ± 0.038 χ^2/NDF : 89417.1/46

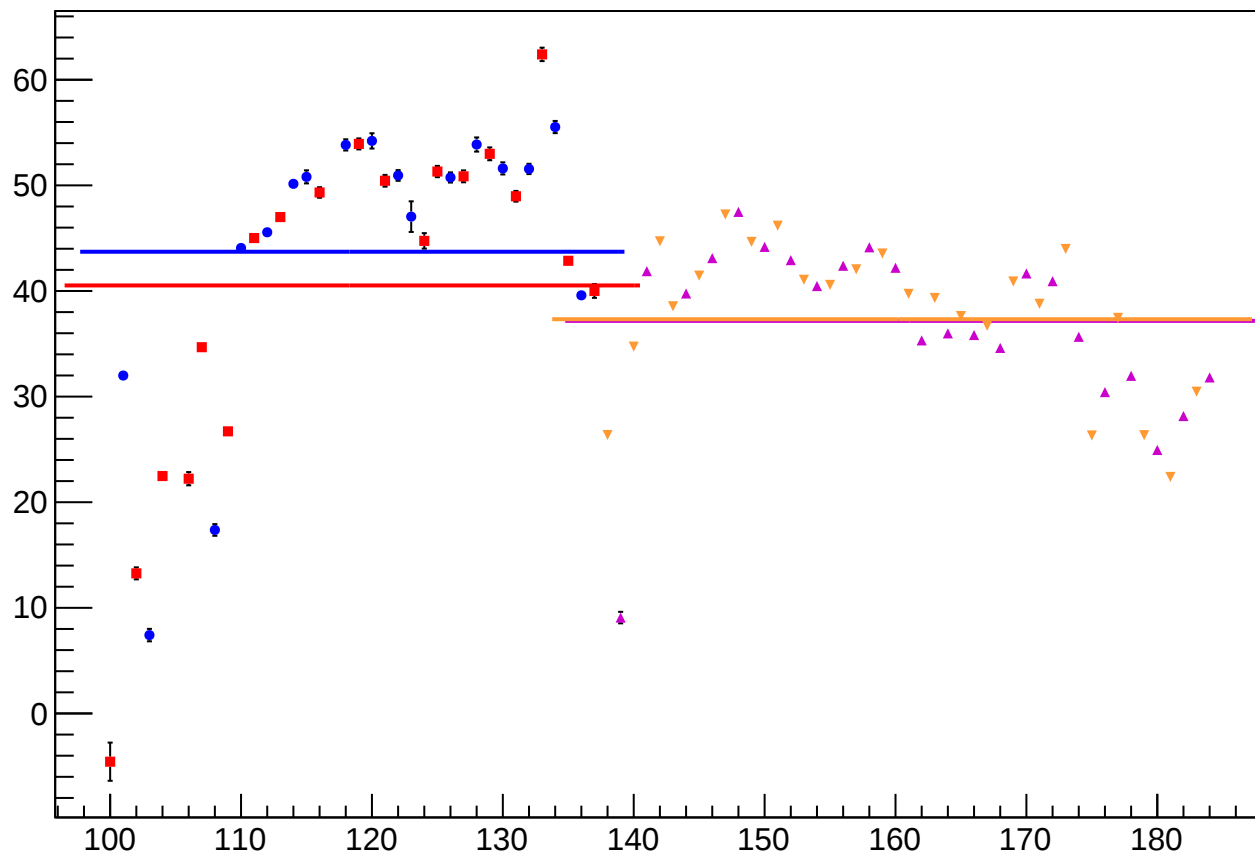
Right: -48.361 ± 0.081 χ^2/NDF : 26407.5/35

In: -30.236 ± 0.050 χ^2/NDF : 82966.3/39

Out: -30.930 ± 0.048 χ^2/NDF : 91071.1/42

All: -30.598 ± 0.035 χ^2/NDF : 174136.9/82

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: 37.327 $\pm$ 0.048 χ^2 /NDF:21222.9/23

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: 37.251 $\pm$ 0.034 χ^2 /NDF: 38465.1/46

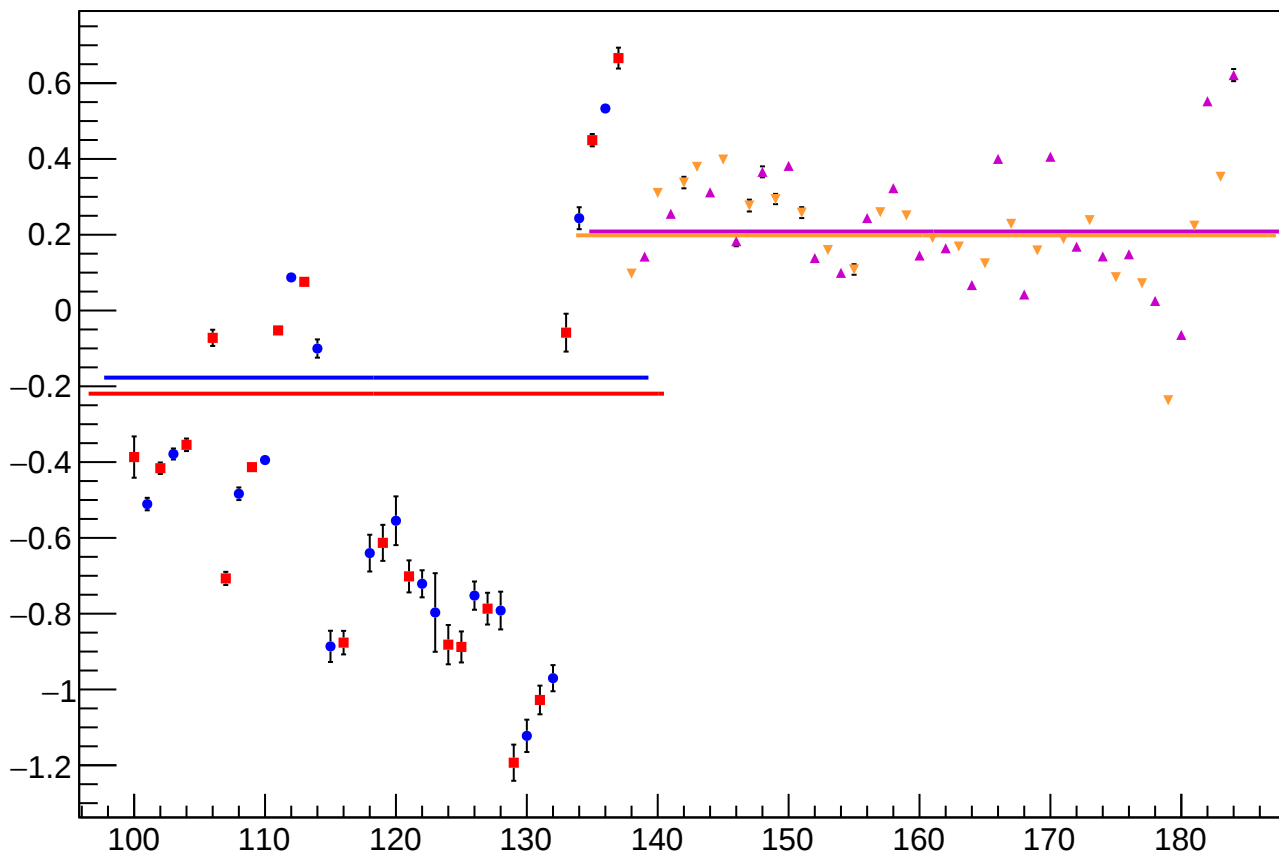
Right: 41.991 $\pm$ 0.059 χ^2 /NDF: 28869.7/35

In: 38.758 $\pm$ 0.043 χ^2 /NDF:32086.8/39

Out: 38.164 $\pm$ 0.041 χ^2 /NDF:39973.9/42

All: 38.448 $\pm$ 0.030 χ^2 /NDF: 72161.0/82

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7353.5/16

Left Out: 0.198 ± 0.002 χ^2/NDF : 3515.8/23

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: 0.203 ± 0.002 χ^2/NDF : 8620.7/46

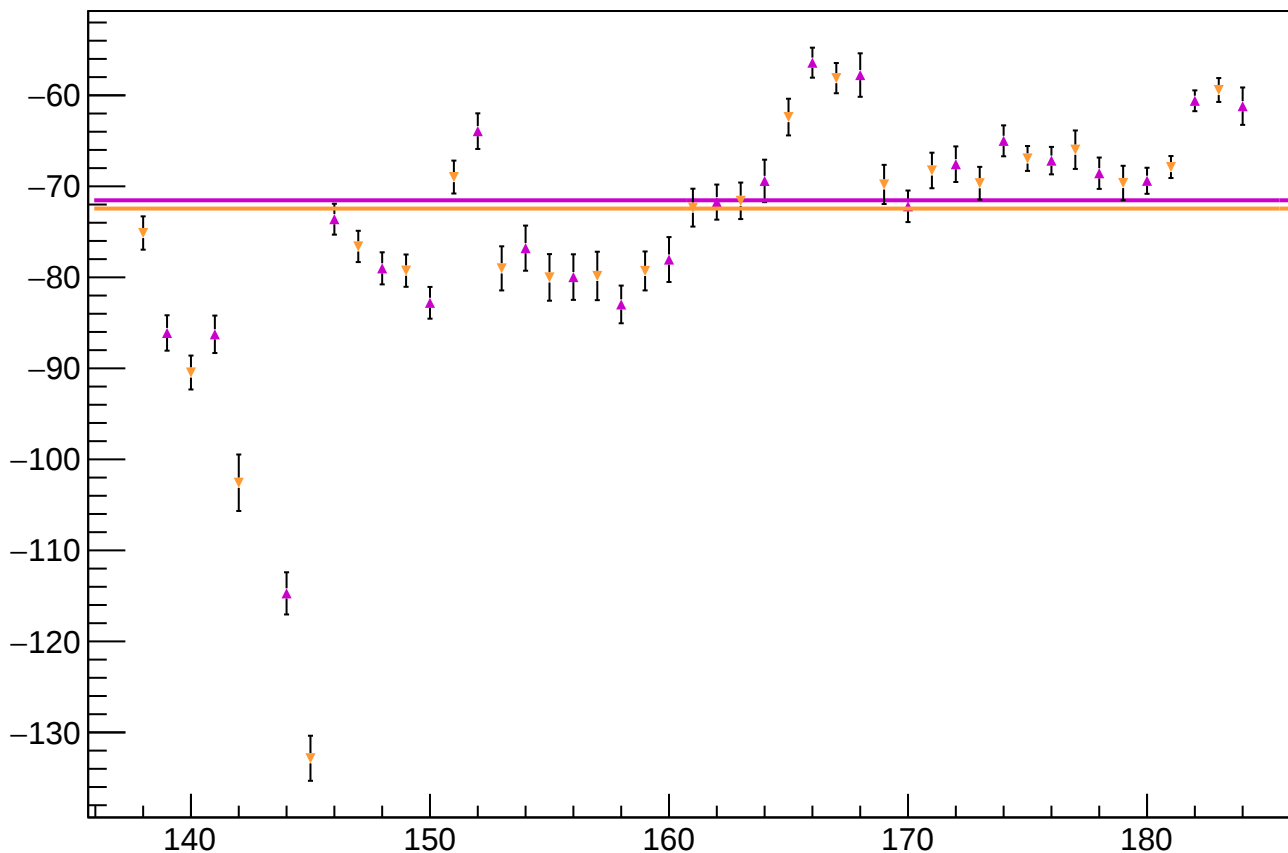
Right: -0.201 ± 0.003 χ^2/NDF : 14813.5/35

In: 0.140 ± 0.002 χ^2/NDF : 17657.0/39

Out: 0.111 ± 0.002 χ^2/NDF : 18392.1/42

All: 0.125 ± 0.001 χ^2/NDF : 36153.7/82

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -72.443+/-0.387 χ^2/NDF :1092.0/22

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: -71.982+/-0.272 χ^2/NDF : 1946.2/45

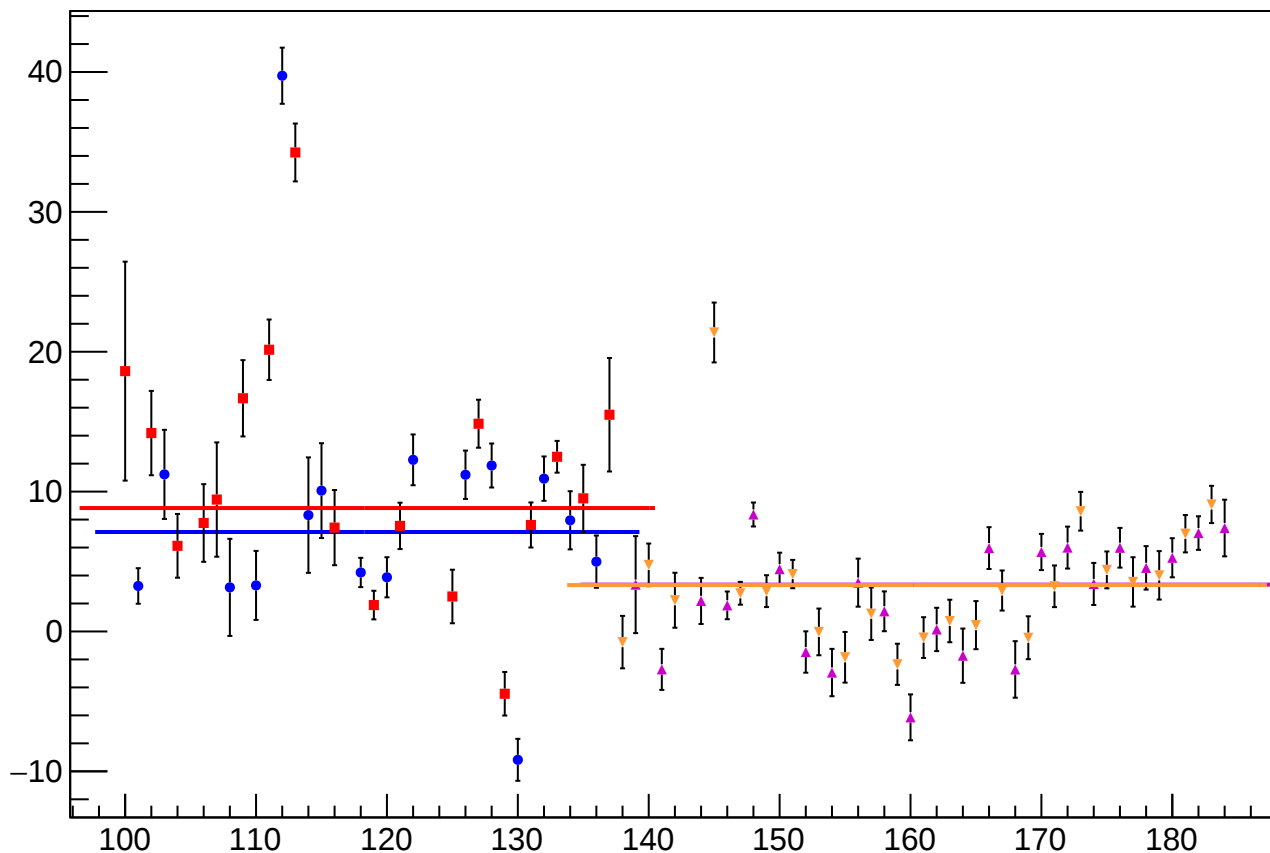
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -71.534+/-0.382 χ^2/NDF :851.4/22

Out: -72.443+/-0.387 χ^2/NDF :1092.0/22

All: -71.982+/-0.272 χ^2/NDF : 1946.2/45

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.112 $\pm$ 0.440 χ^2 /NDF: 440.4/15

Left Out: 3.318 $\pm$ 0.297 χ^2 /NDF:166.6/22

Right Out: 8.824 $\pm$ 0.449 χ^2 /NDF: 349.7/17

Left In: 3.349 $\pm$ 0.298 χ^2 /NDF:163.5/22

Left: 3.333 $\pm$ 0.210 χ^2 /NDF: 330.1/45

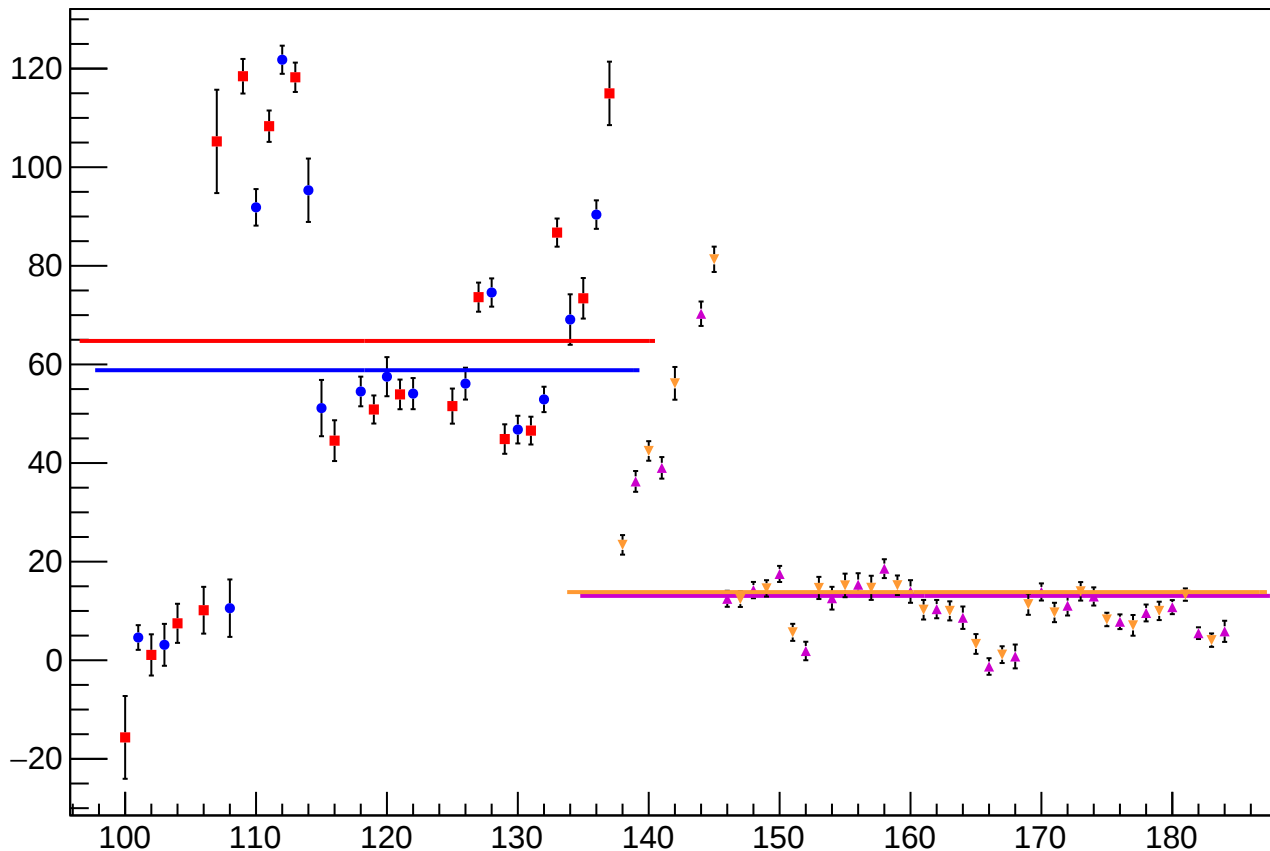
Right: 7.952 $\pm$ 0.314 χ^2 /NDF: 797.5/33

In: 4.532 $\pm$ 0.247 χ^2 /NDF:654.0/38

Out: 4.997 $\pm$ 0.248 χ^2 /NDF:621.0/40

All: 4.764 $\pm$ 0.175 χ^2 /NDF: 1276.8/79

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.825+/-0.839 χ^2 /NDF: 1491.4/15

Left Out: 13.824+/-0.386 χ^2 /NDF:1287.2/22

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: 13.435+/-0.271 χ^2 /NDF: 2313.9/45

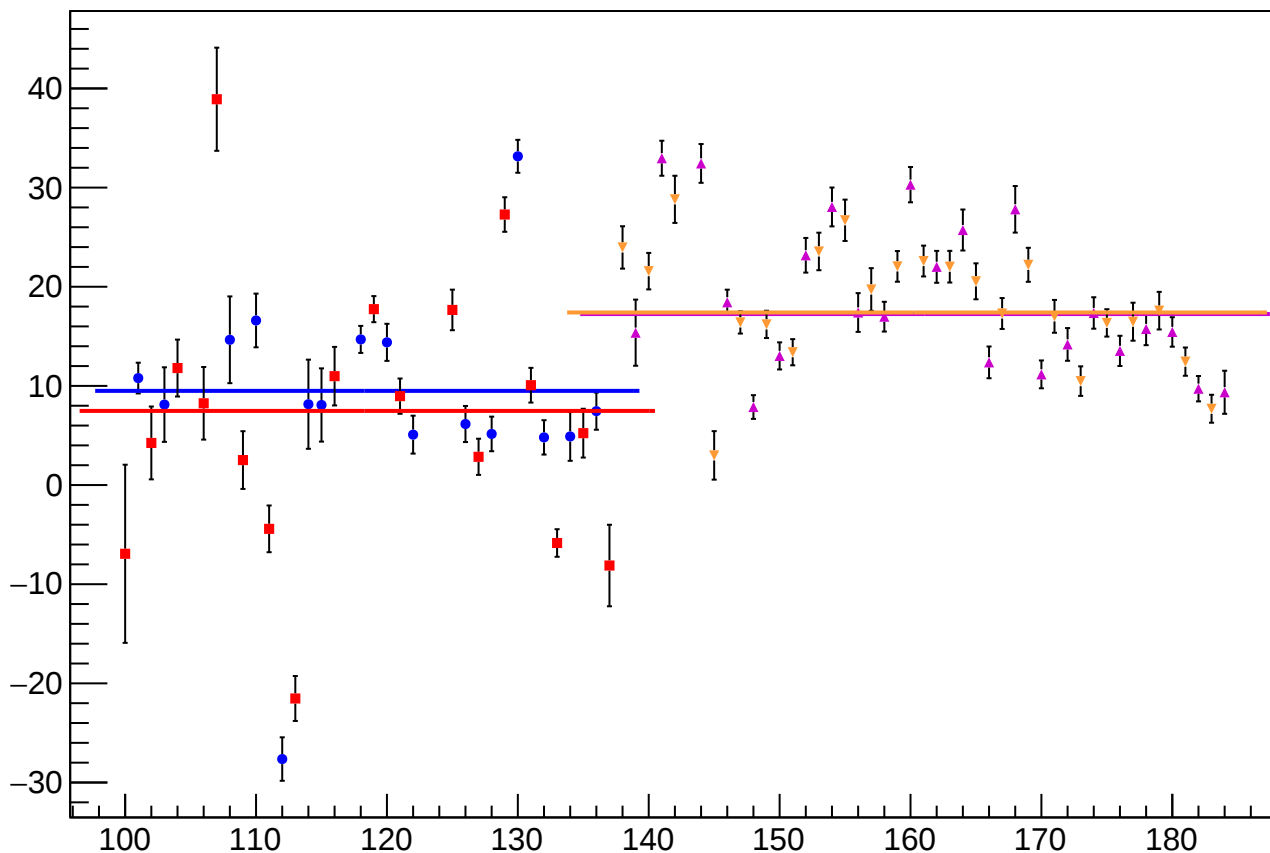
Right: 61.783+/-0.594 χ^2 /NDF: 3234.9/33

In: 20.847+/-0.346 χ^2 /NDF:4988.0/38

Out: 22.656+/-0.351 χ^2 /NDF:6032.8/40

All: 21.740+/-0.246 χ^2 /NDF: 11034.3/79

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: 17.406 ± 0.340 $\chi^2/\text{NDF}: 236.2/22$

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: 17.325 ± 0.240 $\chi^2/\text{NDF}: 677.1/45$

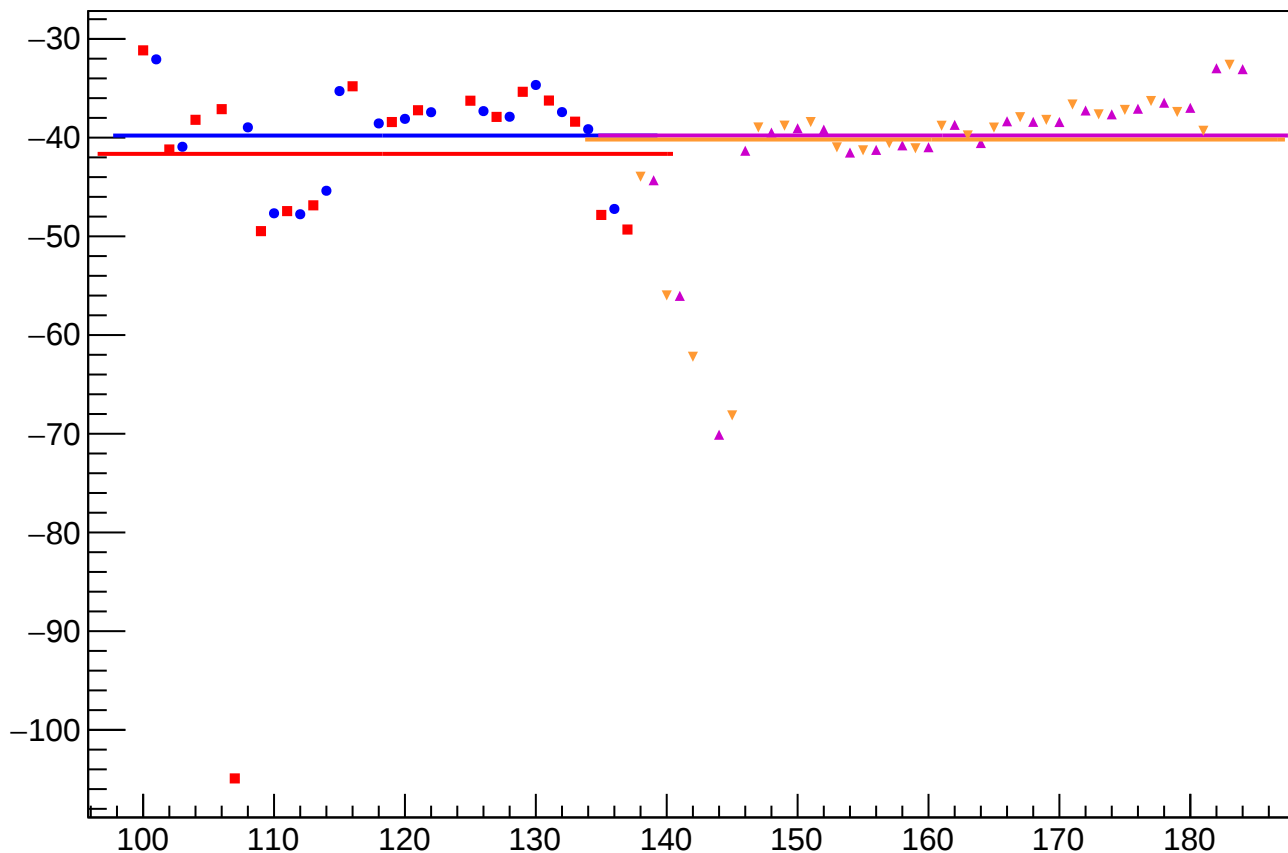
Right: 8.505 ± 0.362 $\chi^2/\text{NDF}: 1121.9/33$

In: 14.852 ± 0.282 $\chi^2/\text{NDF}: 1148.9/38$

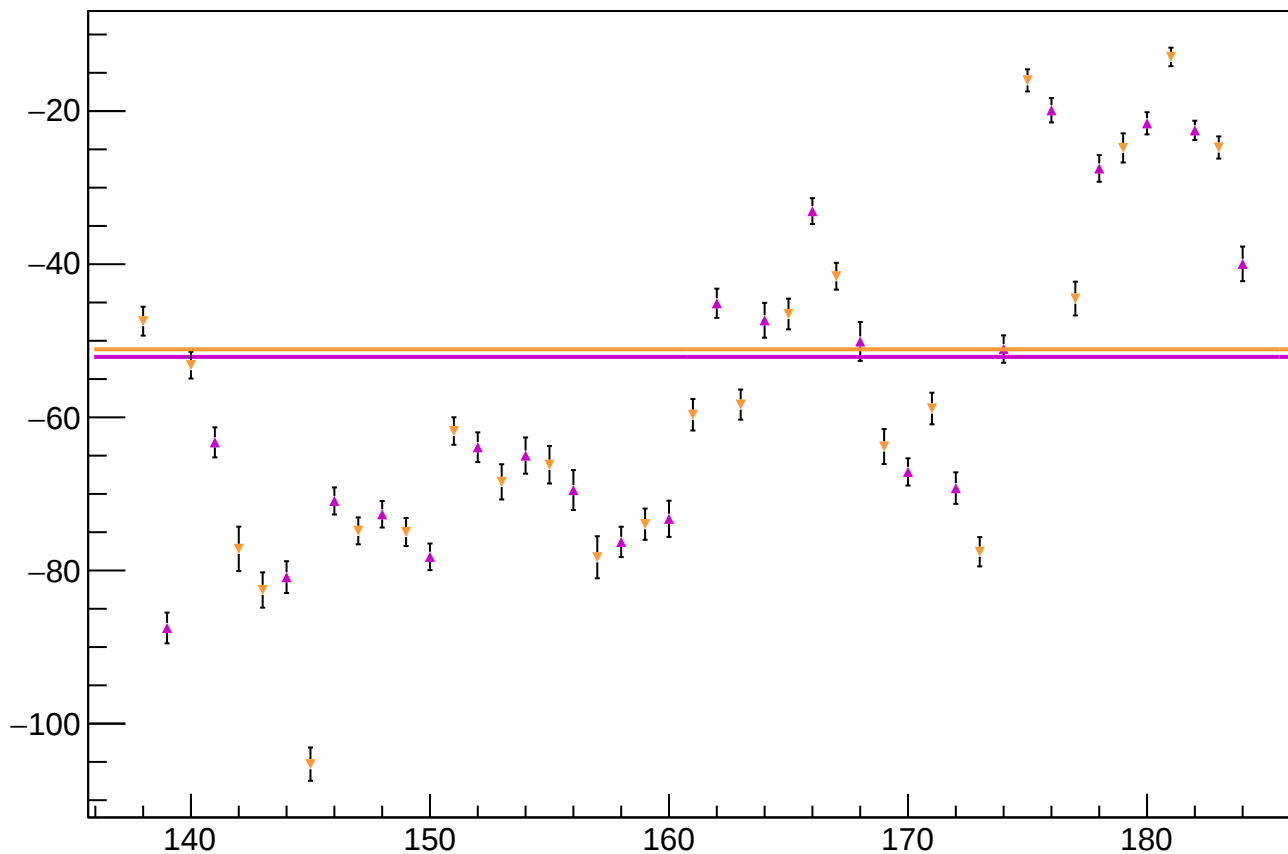
Out: 14.398 ± 0.284 $\chi^2/\text{NDF}: 1061.2/40$

All: 14.627 ± 0.200 $\chi^2/\text{NDF}: 2211.4/79$

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



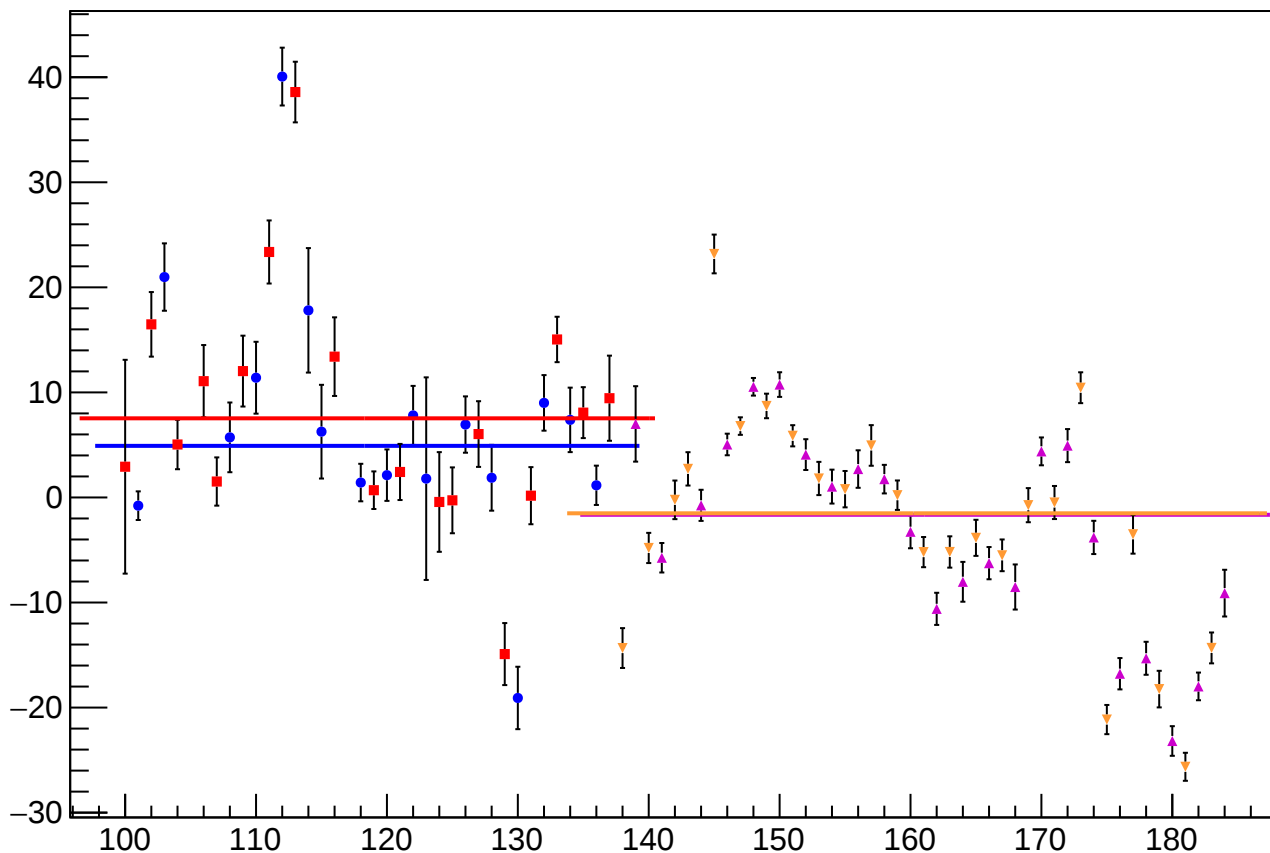
reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -51.115+/-0.387 χ^2/NDF : 4026.4/23
 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: -51.607+/-0.274 χ^2/NDF : 7309.9/46
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -52.104+/-0.389 χ^2/NDF : 3280.2/22
 Out: -51.115+/-0.387 χ^2/NDF : 4026.4/23
 All: -51.607+/-0.274 χ^2/NDF : 7309.9/46

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: -1.508 ± 0.294 $\chi^2/\text{NDF}: 1270.4/23$

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: -1.578 ± 0.210 $\chi^2/\text{NDF}: 2362.8/46$

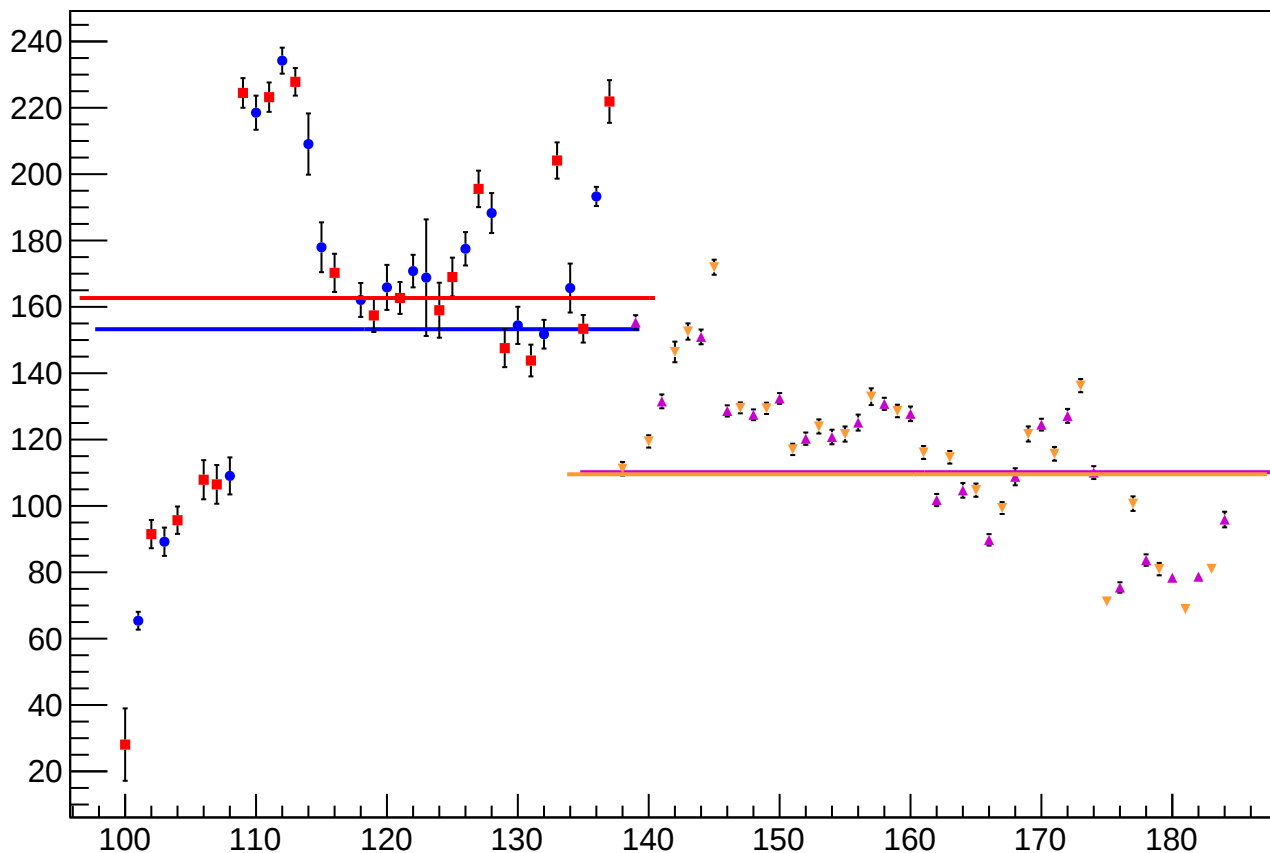
Right: 6.176 ± 0.452 $\chi^2/\text{NDF}: 573.3/35$

In: -0.432 ± 0.271 $\chi^2/\text{NDF}: 1475.3/39$

Out: 0.025 ± 0.268 $\chi^2/\text{NDF}: 1700.9/42$

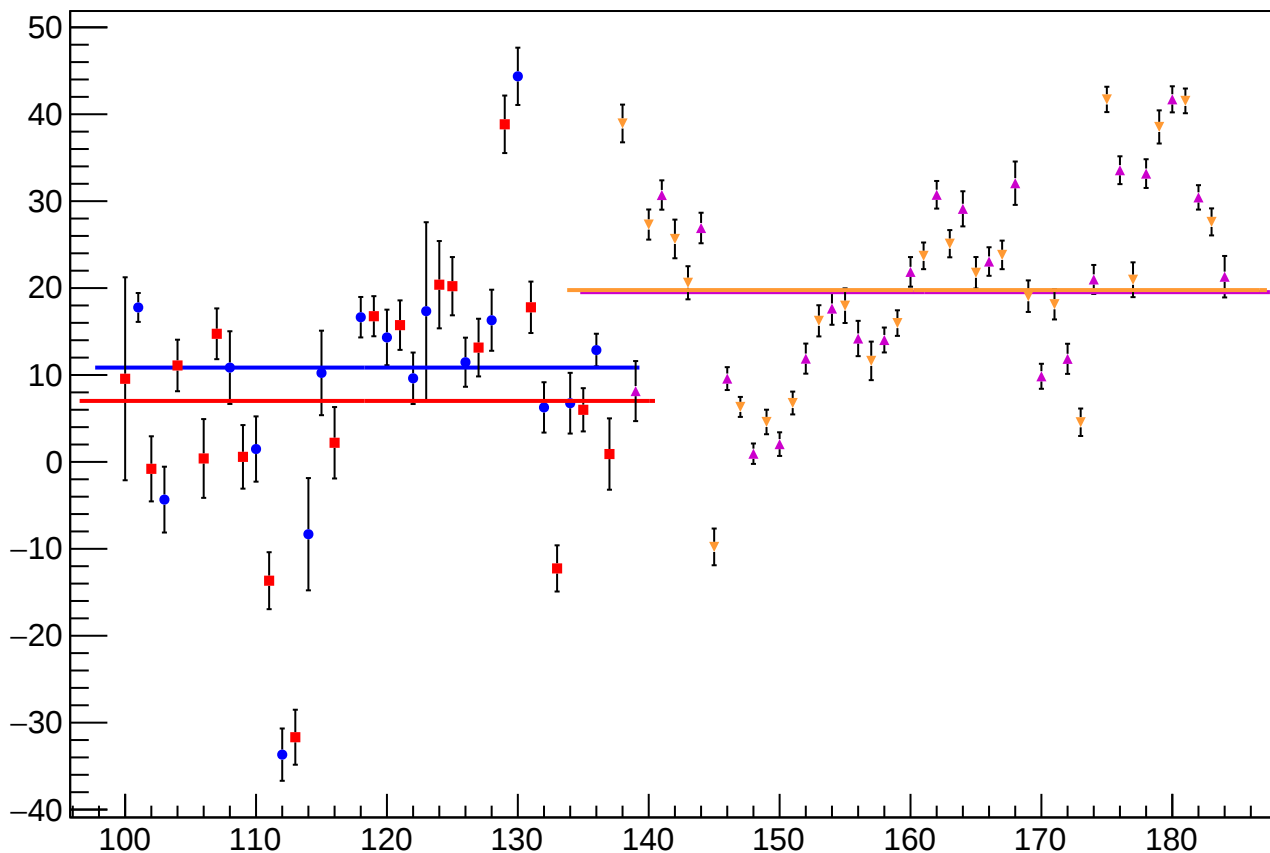
All: -0.201 ± 0.191 $\chi^2/\text{NDF}: 3177.6/82$

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: 109.856 ± 0.273 $\chi^2/\text{NDF}: 8139.3/46$
 Right: 157.859 ± 0.824 $\chi^2/\text{NDF}: 4007.5/35$
 In: 114.521 ± 0.366 $\chi^2/\text{NDF}: 7227.3/39$
 Out: 114.683 ± 0.367 $\chi^2/\text{NDF}: 7979.3/42$
 All: 114.602 ± 0.259 $\chi^2/\text{NDF}: 15206.7/82$

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: 19.769 $\pm$ 0.338 χ^2 /NDF:1377.1/23

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: 19.651 $\pm$ 0.241 χ^2 /NDF: 2558.6/46

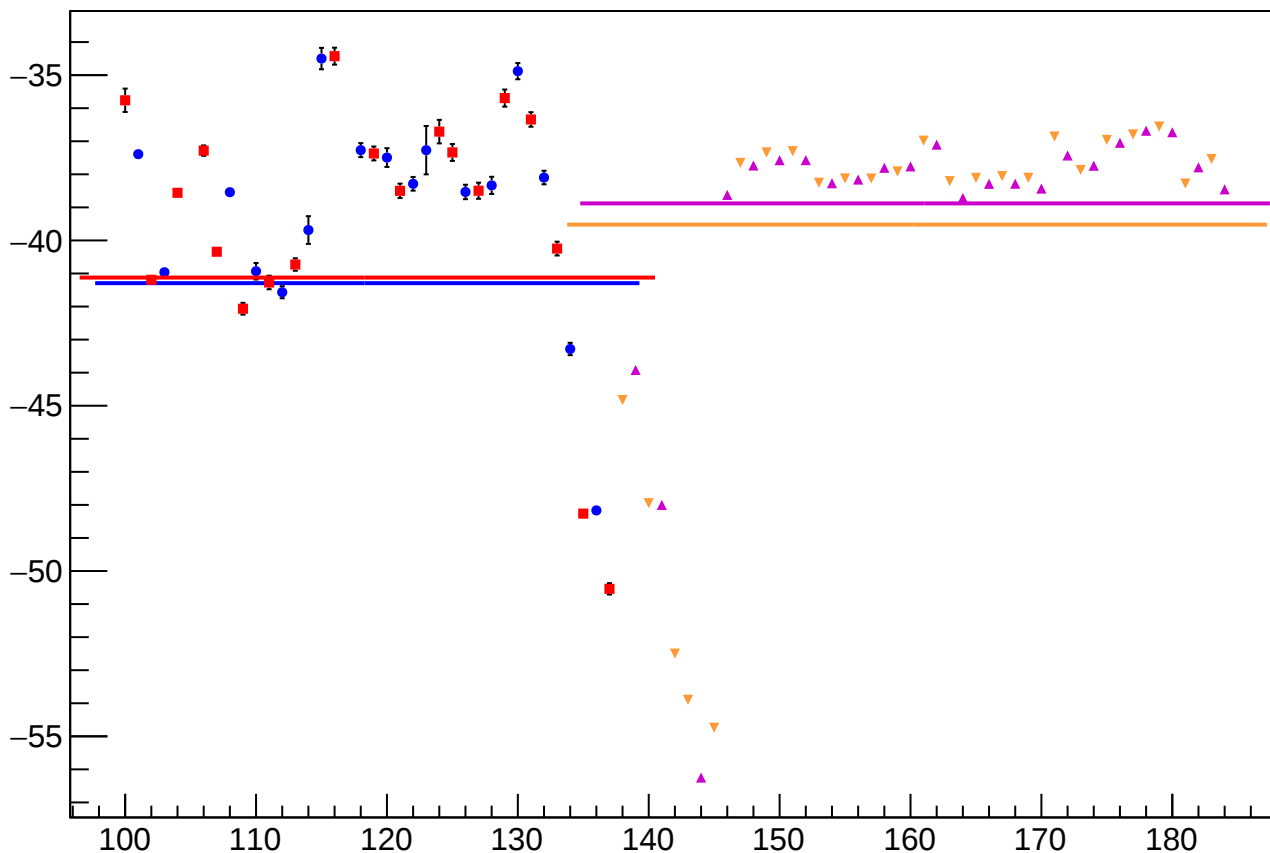
Right: 9.008 $\pm$ 0.519 χ^2 /NDF: 823.3/35

In: 17.931 $\pm$ 0.309 χ^2 /NDF:1685.9/39

Out: 17.610 $\pm$ 0.308 χ^2 /NDF:2041.5/42

All: 17.770 $\pm$ 0.218 χ^2 /NDF: 3727.9/82

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.292 ± 0.039 $\chi^2/\text{NDF}: 12502.4/16$

Left Out: -39.521 ± 0.016 $\chi^2/\text{NDF}: 88619.5/23$

Right Out: -41.123 ± 0.039 $\chi^2/\text{NDF}: 12115.0/18$

Left In: -38.880 ± 0.016 $\chi^2/\text{NDF}: 53409.9/22$

Left: -39.199 ± 0.011 $\chi^2/\text{NDF}: 142843.2/46$

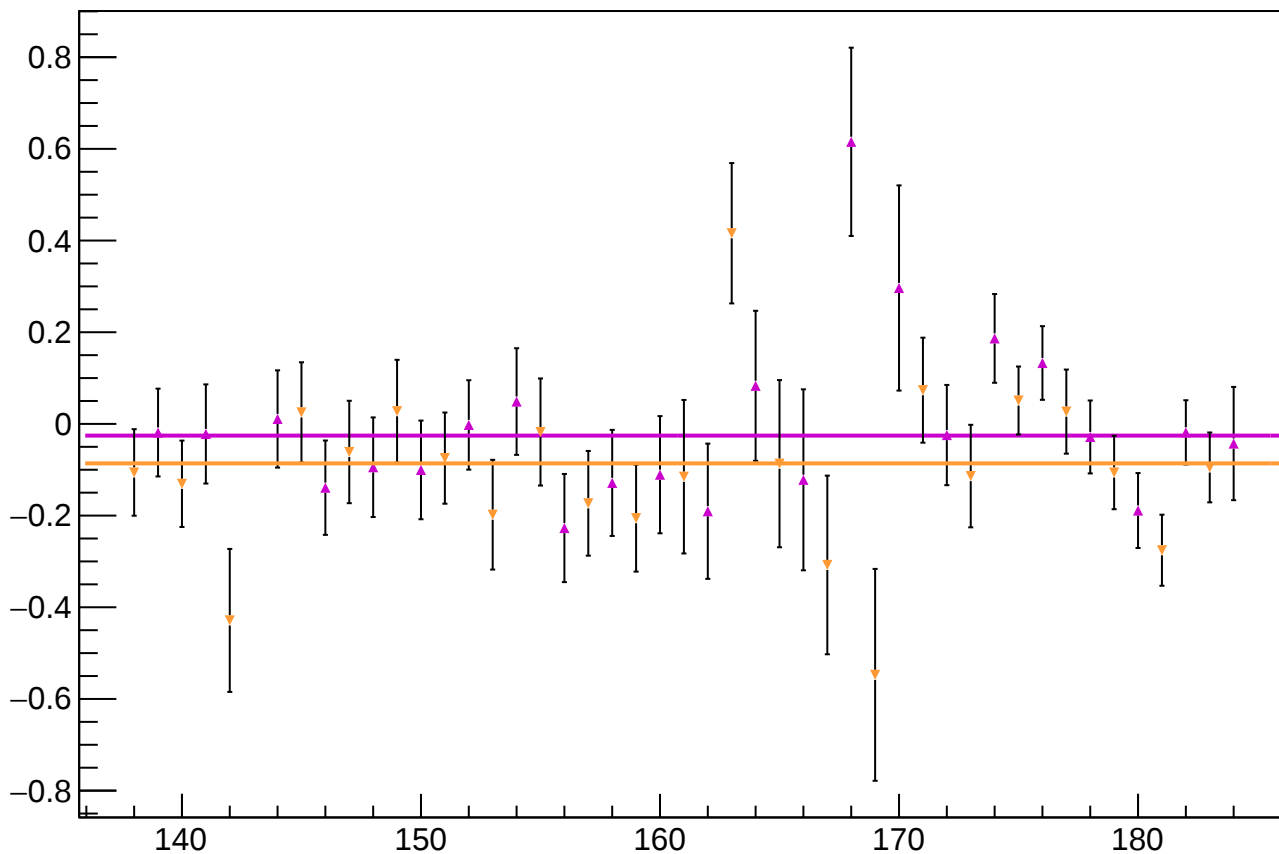
Right: -41.208 ± 0.027 $\chi^2/\text{NDF}: 24627.0/35$

In: -39.228 ± 0.015 $\chi^2/\text{NDF}: 69248.2/39$

Out: -39.753 ± 0.015 $\chi^2/\text{NDF}: 102200.6/42$

All: -39.490 ± 0.010 $\chi^2/\text{NDF}: 172087.4/82$

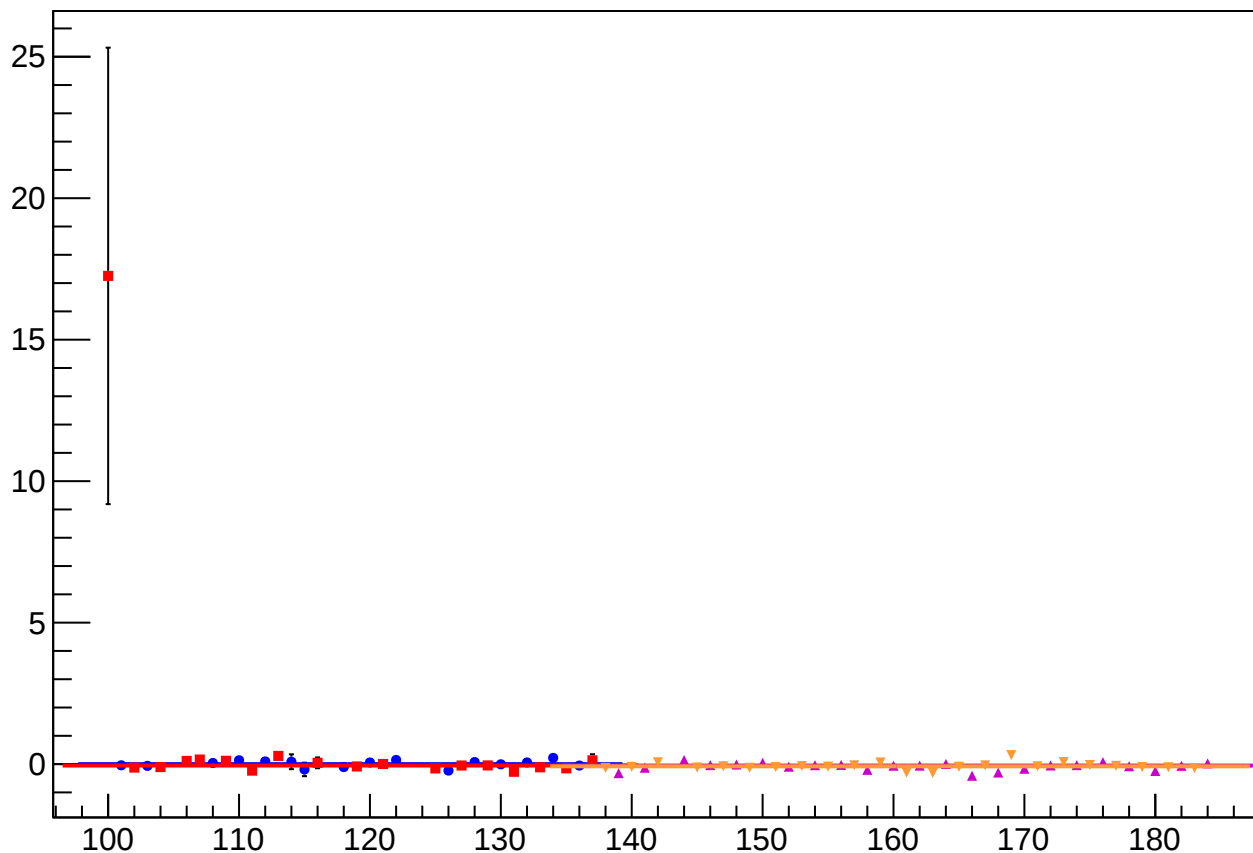
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.086+/-0.022 χ^2/NDF : 39.1/22
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.026+/-0.022 χ^2/NDF : 33.3/22

Left: -0.056+/-0.016 χ^2/NDF : 76.1/45
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.026+/-0.022 χ^2/NDF : 33.3/22
 Out: -0.086+/-0.022 χ^2/NDF : 39.1/22
 All: -0.056+/-0.016 χ^2/NDF : 76.1/45

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 : 24.0/22

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 : 56.8/45

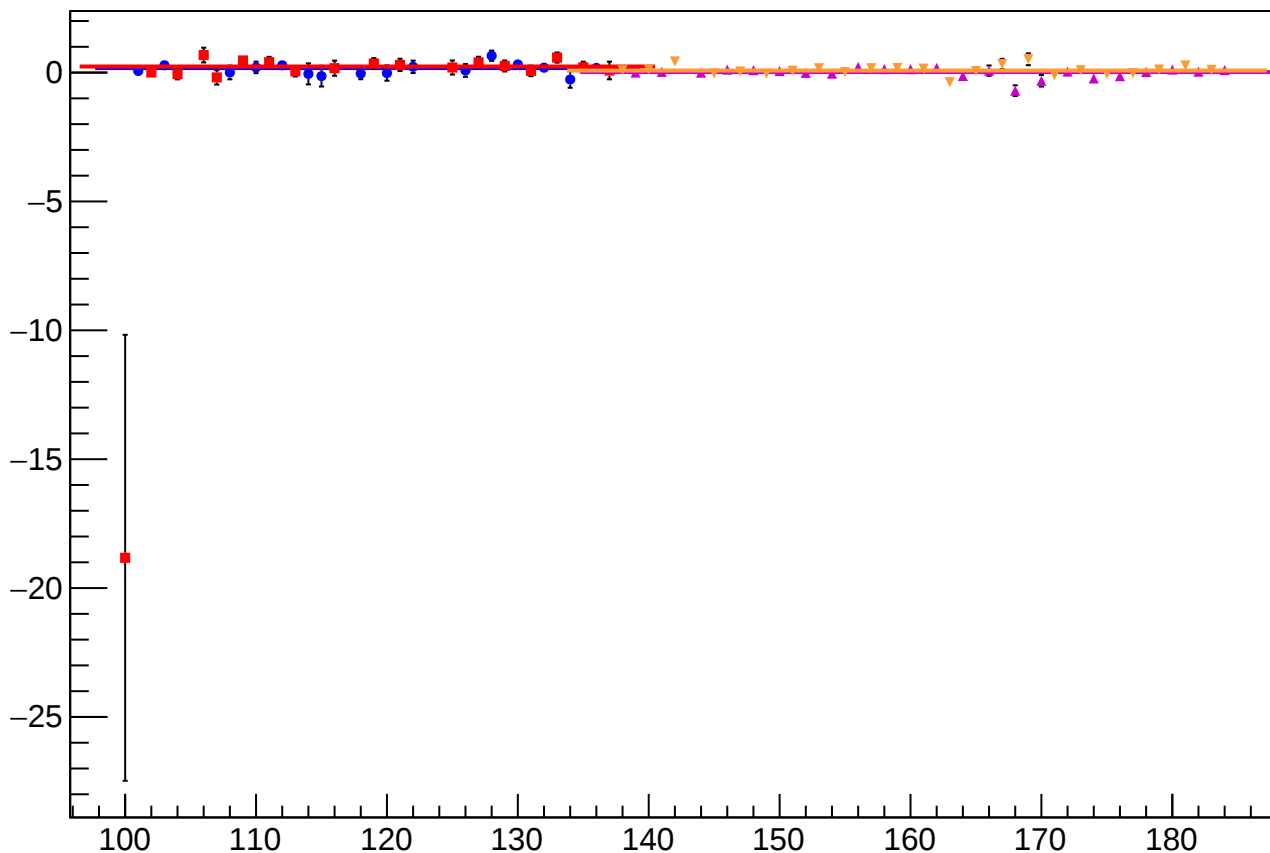
Right: -0.025 ± 0.020 χ^2/NDF : 39.6/33

In: -0.038 ± 0.015 χ^2/NDF : 46.6/38

Out: -0.071 ± 0.015 χ^2/NDF : 50.2/40

All: -0.054 ± 0.011 χ^2/NDF : 99.2/79

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: 0.079 $\pm$ 0.022 χ^2 /NDF:37.8/22

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: 0.050 $\pm$ 0.016 χ^2 /NDF: 76.9/45

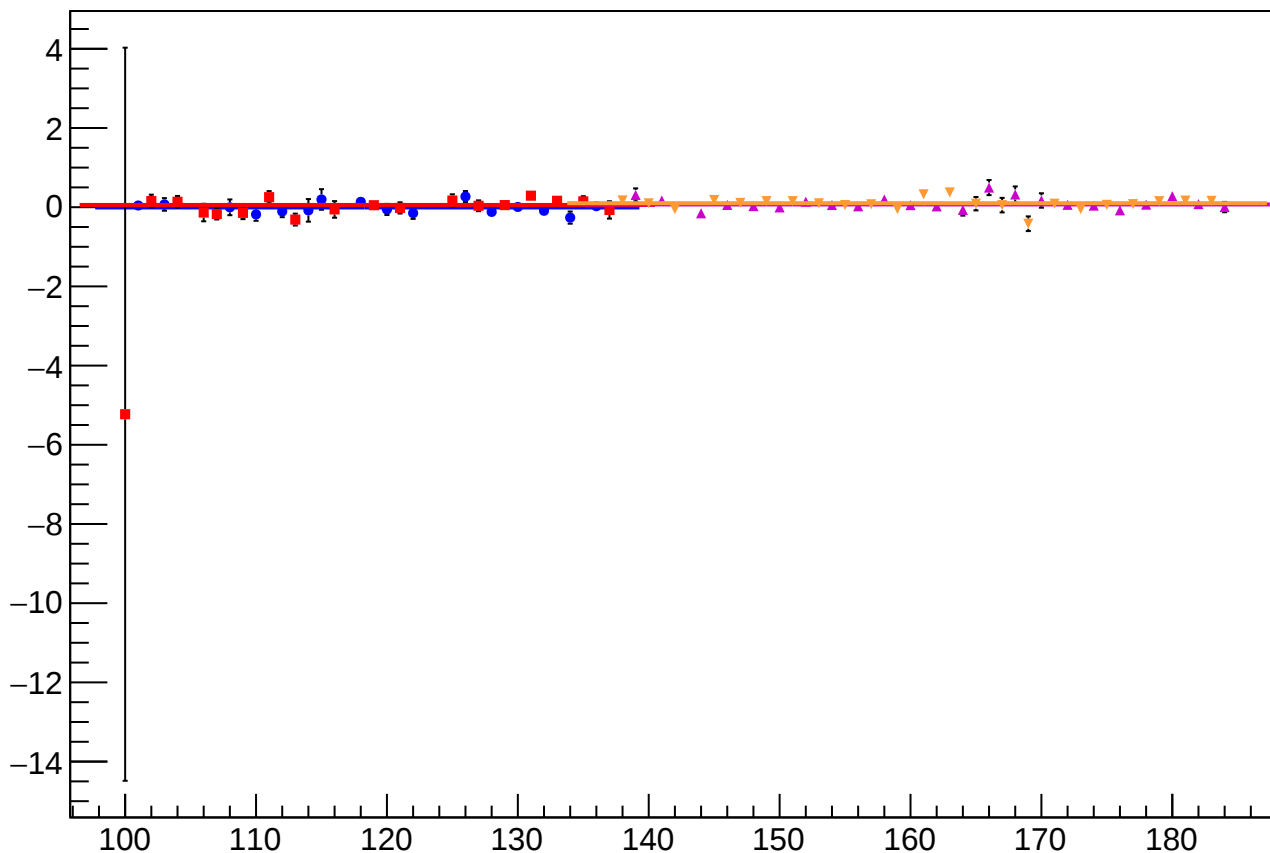
Right: 0.204 $\pm$ 0.038 χ^2 /NDF: 34.6/33

In: 0.043 $\pm$ 0.020 χ^2 /NDF:55.2/38

Out: 0.102 $\pm$ 0.021 χ^2 /NDF:66.5/40

All: 0.072 $\pm$ 0.014 χ^2 /NDF: 125.8/79

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.033 χ^2/NDF : 14.1/15

Left Out: 0.101 ± 0.020 χ^2/NDF : 27.1/22

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

Left: 0.085 ± 0.014 χ^2/NDF : 59.8/45

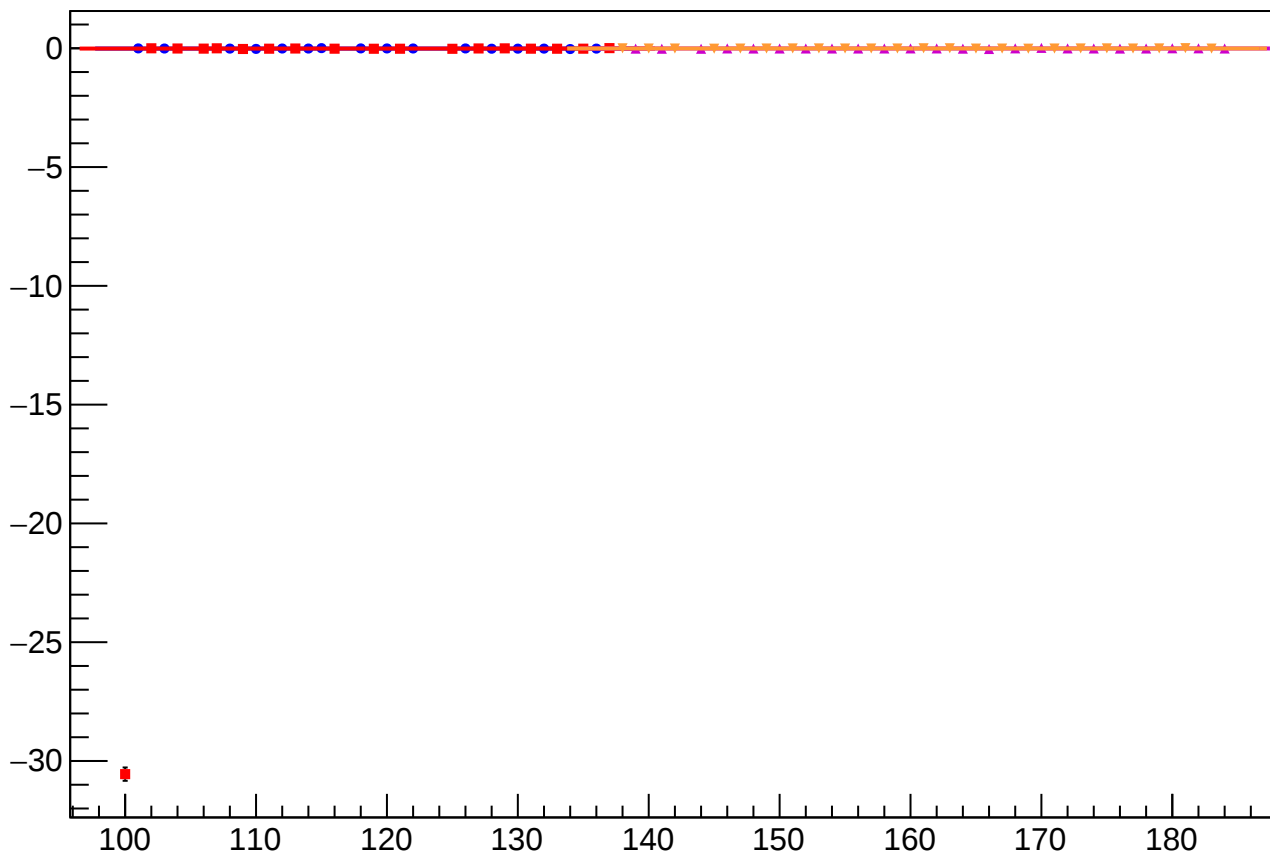
Right: 0.024 ± 0.024 χ^2/NDF : 36.2/33

In: 0.049 ± 0.017 χ^2/NDF : 49.3/38

Out: 0.090 ± 0.017 χ^2/NDF : 48.7/40

All: 0.069 ± 0.012 χ^2/NDF : 100.9/79

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 : 26.9/22

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 : 68.4/45

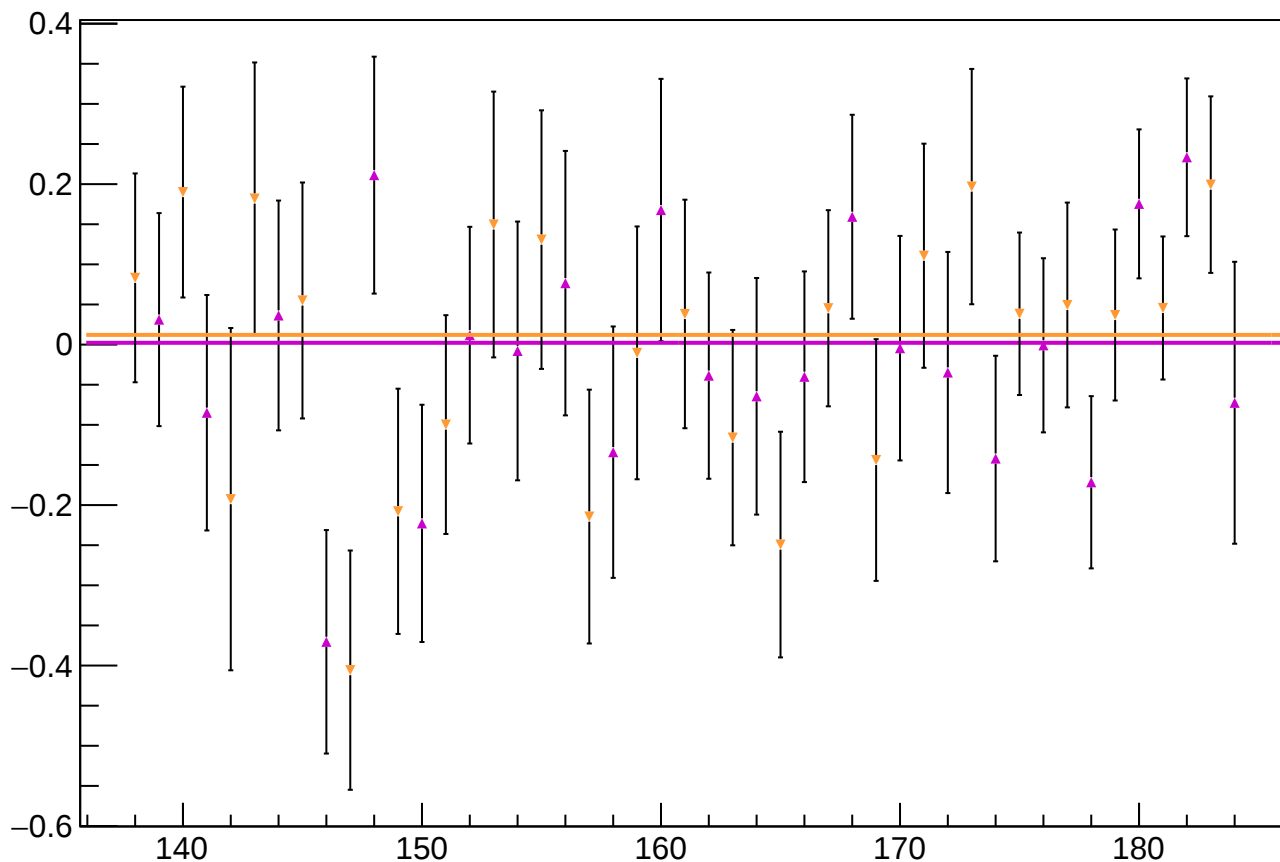
Right: -0.012 ± 0.001 χ^2/NDF : 11903.5/33

In: -0.009 ± 0.001 χ^2/NDF : 56.0/38

Out: -0.009 ± 0.001 χ^2/NDF : 11922.2/40

All: -0.009 ± 0.001 χ^2/NDF : 11978.6/79

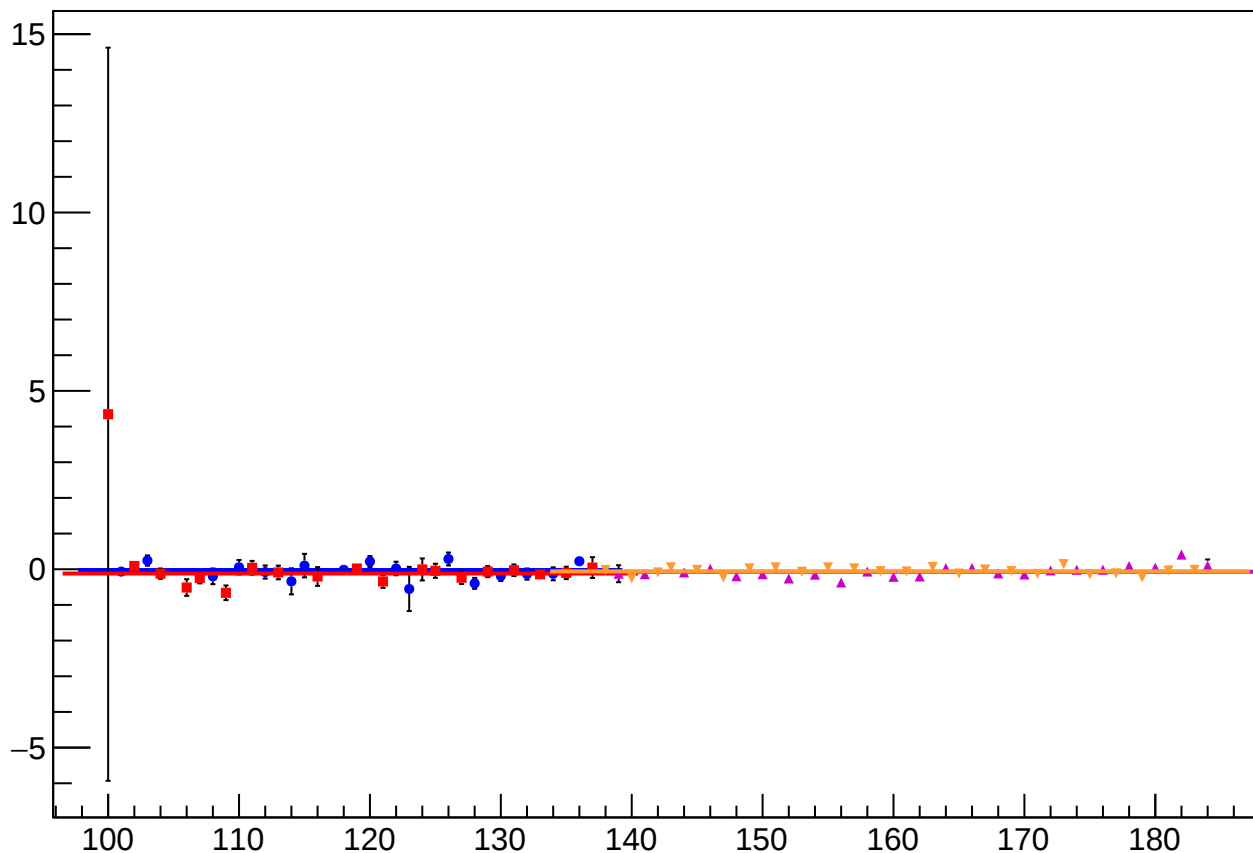
reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.012 $\pm$ 0.027 χ^2 /NDF:28.9/23
 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: 0.007 $\pm$ 0.019 χ^2 /NDF: 58.0/46
 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: 0.012 $\pm$ 0.027 χ^2 /NDF:28.9/23
 All: 0.007 $\pm$ 0.019 χ^2 /NDF: 58.0/46

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.022 ± 0.037 χ^2/NDF : 22.9/16

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.4/23

Right Out: -0.120 ± 0.039 χ^2/NDF : 18.5/18

Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

Left: -0.065 ± 0.015 χ^2/NDF : 73.5/46

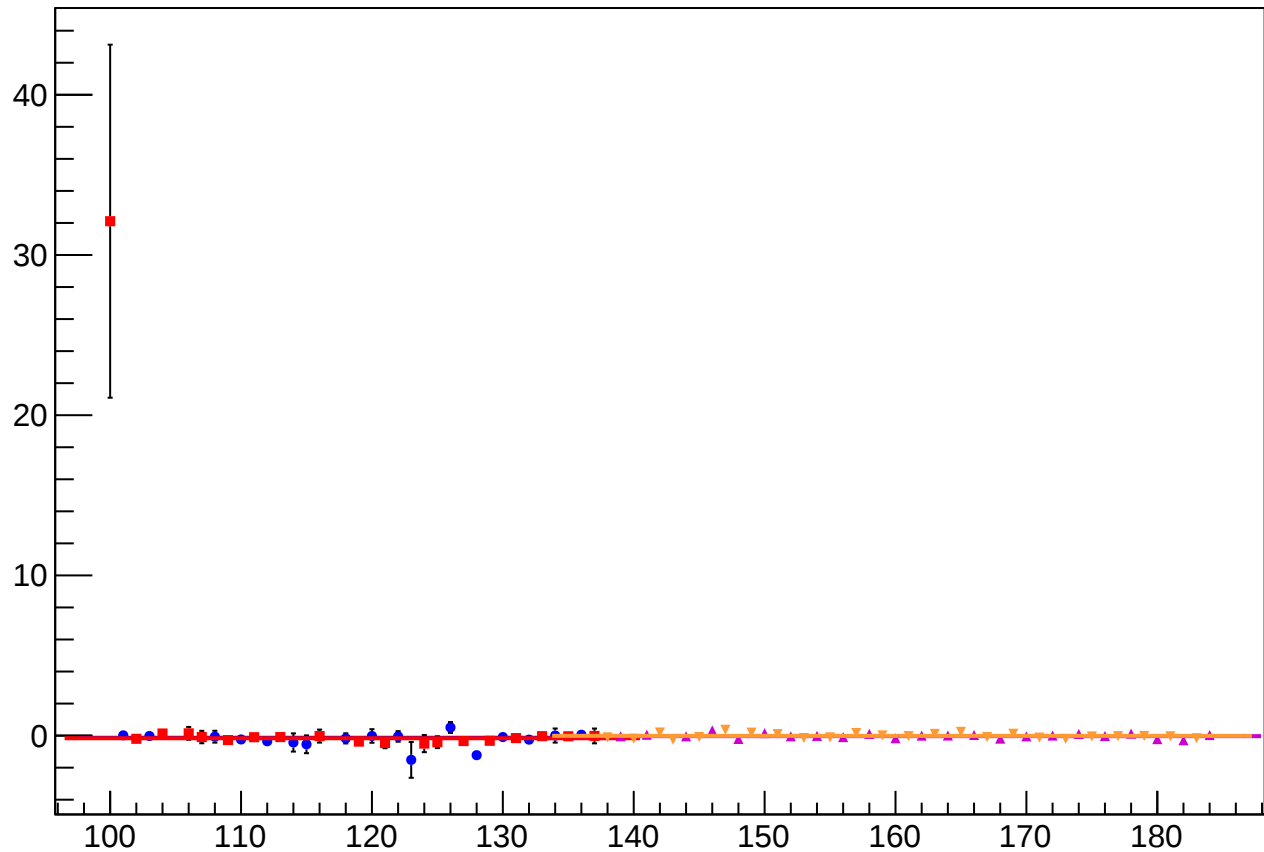
Right: -0.068 ± 0.027 χ^2/NDF : 44.7/35

In: -0.058 ± 0.019 χ^2/NDF : 73.2/39

Out: -0.074 ± 0.019 χ^2/NDF : 44.7/42

All: -0.066 ± 0.013 χ^2/NDF : 118.2/82

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.135 ± 0.067 χ^2/NDF : 24.7/16

Left Out: -0.014 ± 0.027 χ^2/NDF : 26.9/23

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: -0.023 ± 0.019 χ^2/NDF : 55.6/46

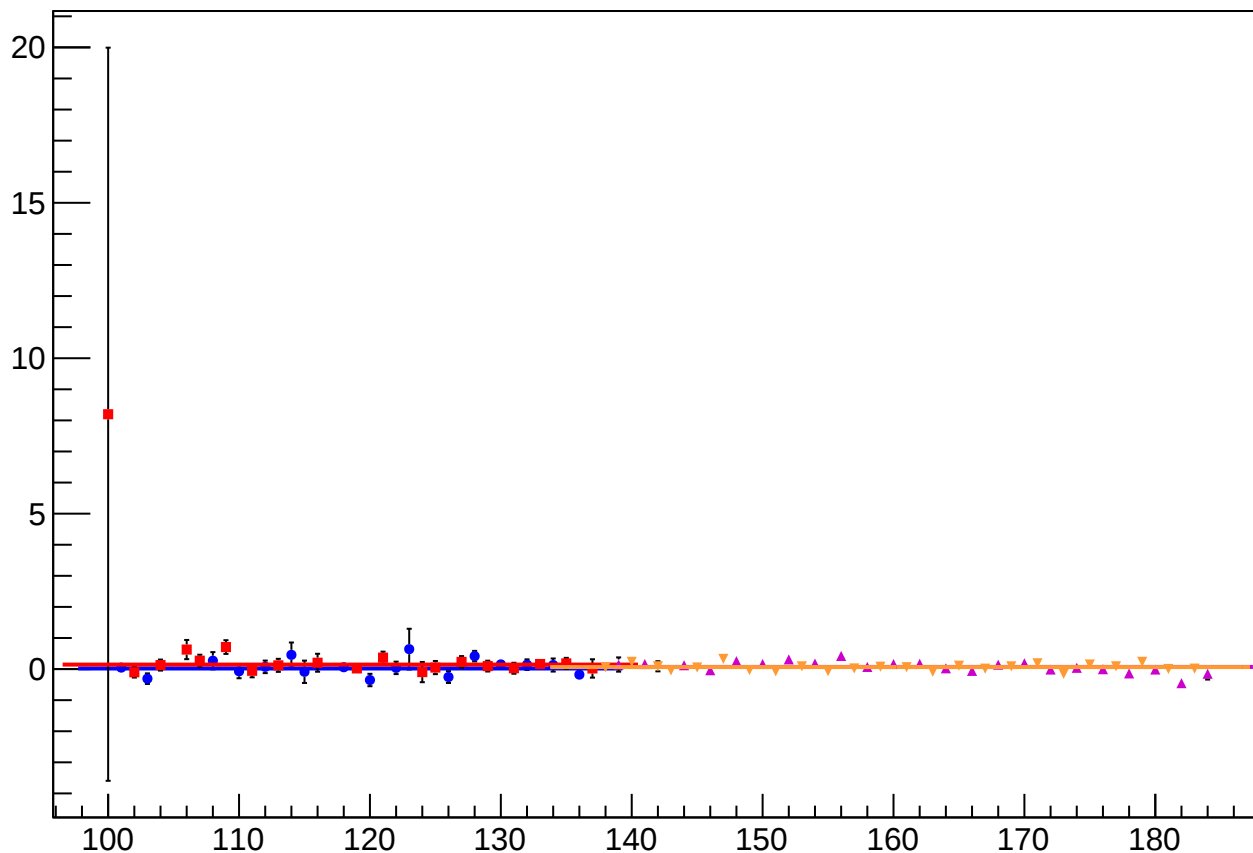
Right: -0.149 ± 0.049 χ^2/NDF : 39.2/35

In: -0.047 ± 0.025 χ^2/NDF : 55.2/39

Out: -0.033 ± 0.025 χ^2/NDF : 45.3/42

All: -0.040 ± 0.018 χ^2/NDF : 100.6/82

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.019+/-0.043 χ^2/NDF : 21.6/16

Left Out: 0.065+/-0.024 χ^2/NDF :23.6/23

Right Out: 0.144+/-0.045 χ^2/NDF : 16.8/18

Left In: 0.069+/-0.025 χ^2/NDF :51.8/22

Left: 0.067+/-0.017 χ^2/NDF : 75.4/46

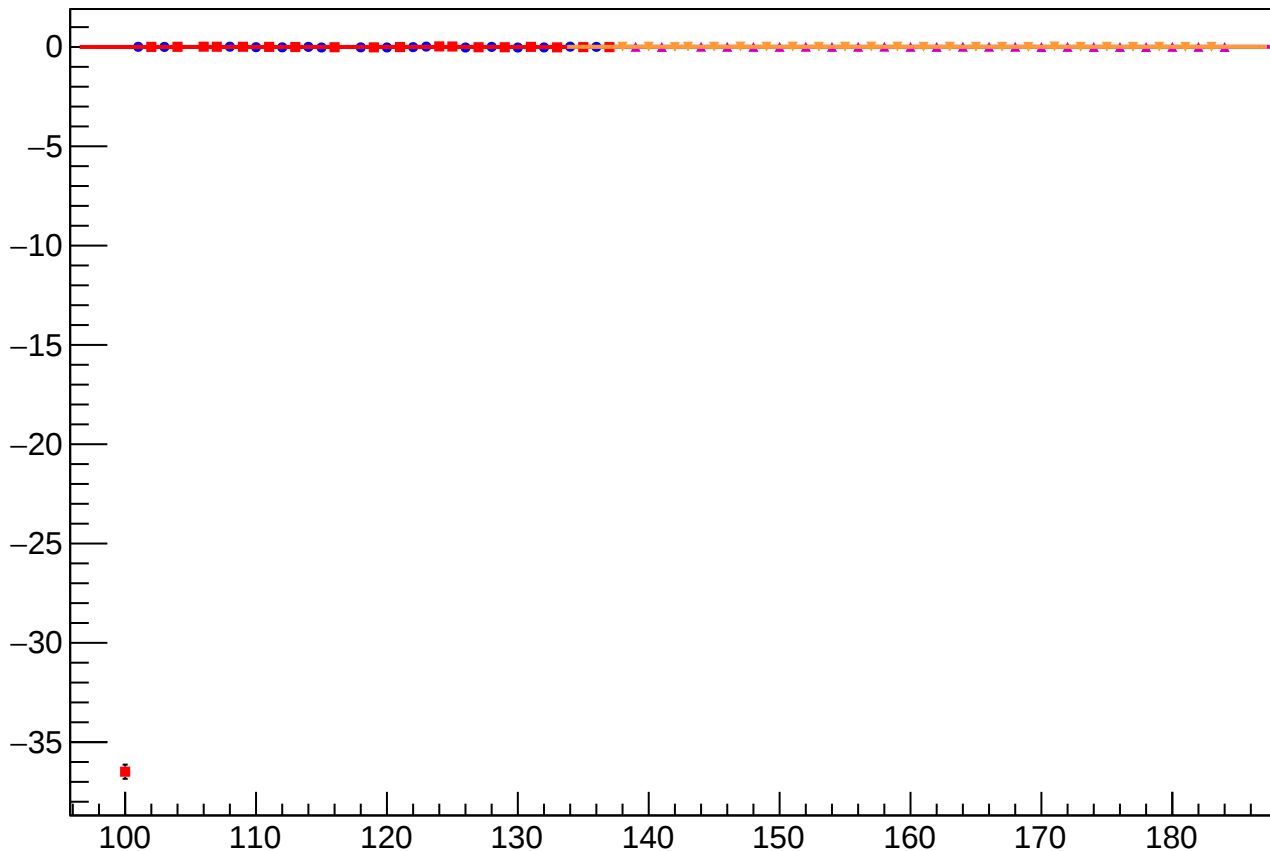
Right: 0.077+/-0.031 χ^2/NDF : 42.5/35

In: 0.056+/-0.021 χ^2/NDF :74.5/39

Out: 0.082+/-0.021 χ^2/NDF :42.8/42

All: 0.069+/-0.015 χ^2/NDF : 118.0/82

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001+/-0.002 χ^2/NDF : 30.5/16

Left Out: 0.008+/-0.001 χ^2/NDF : 25.7/23

Right Out: 0.001+/-0.002 χ^2/NDF : 10449.2/18

Left In: 0.009+/-0.001 χ^2/NDF : 15.0/22

Left: 0.009+/-0.001 χ^2/NDF : 40.9/46

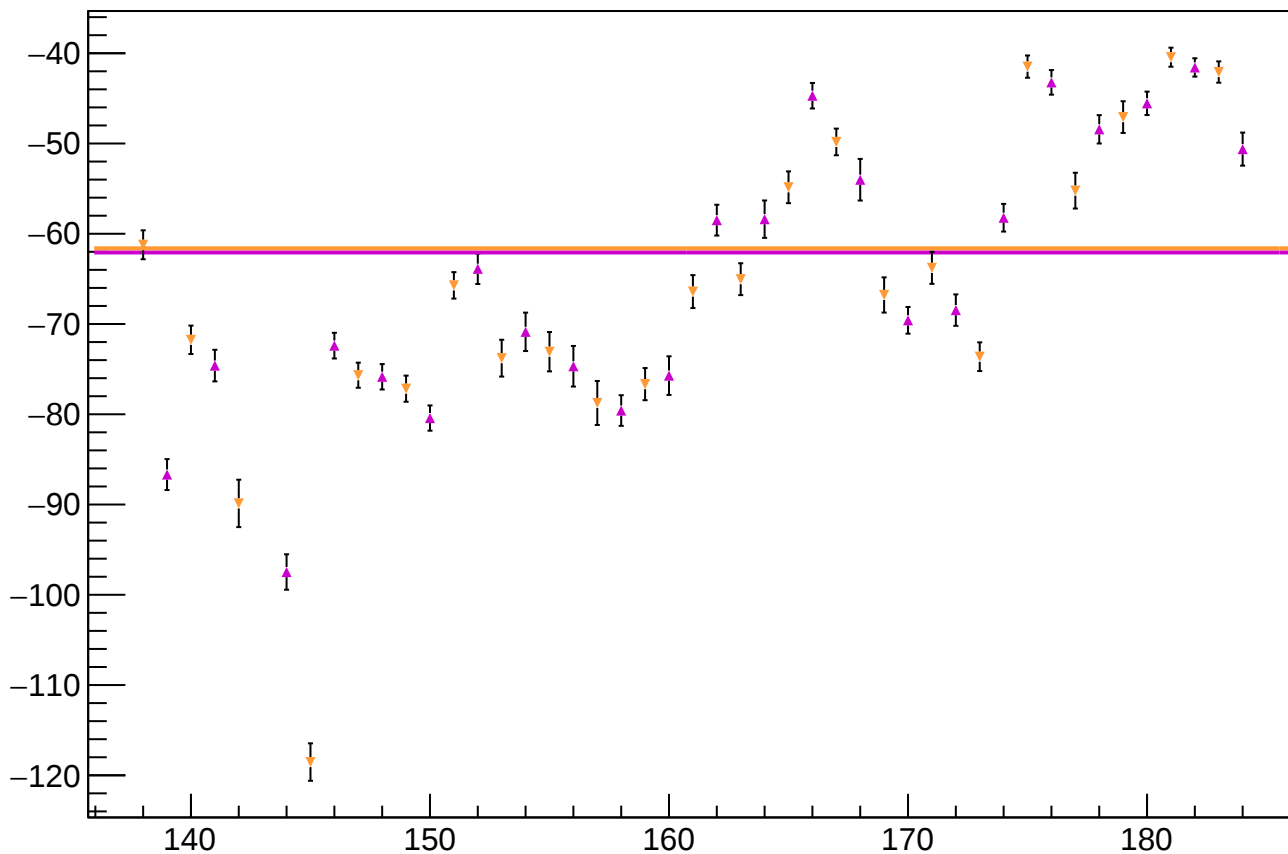
Right: 0.001+/-0.002 χ^2/NDF : 10479.7/35

In: 0.007+/-0.001 χ^2/NDF : 55.0/39

Out: 0.007+/-0.001 χ^2/NDF : 10483.5/42

All: 0.007+/-0.001 χ^2/NDF : 10538.7/82

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: -61.611+/-0.337 χ^2/NDF :2495.6/22

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: -61.845+/-0.237 χ^2/NDF : 4688.5/45

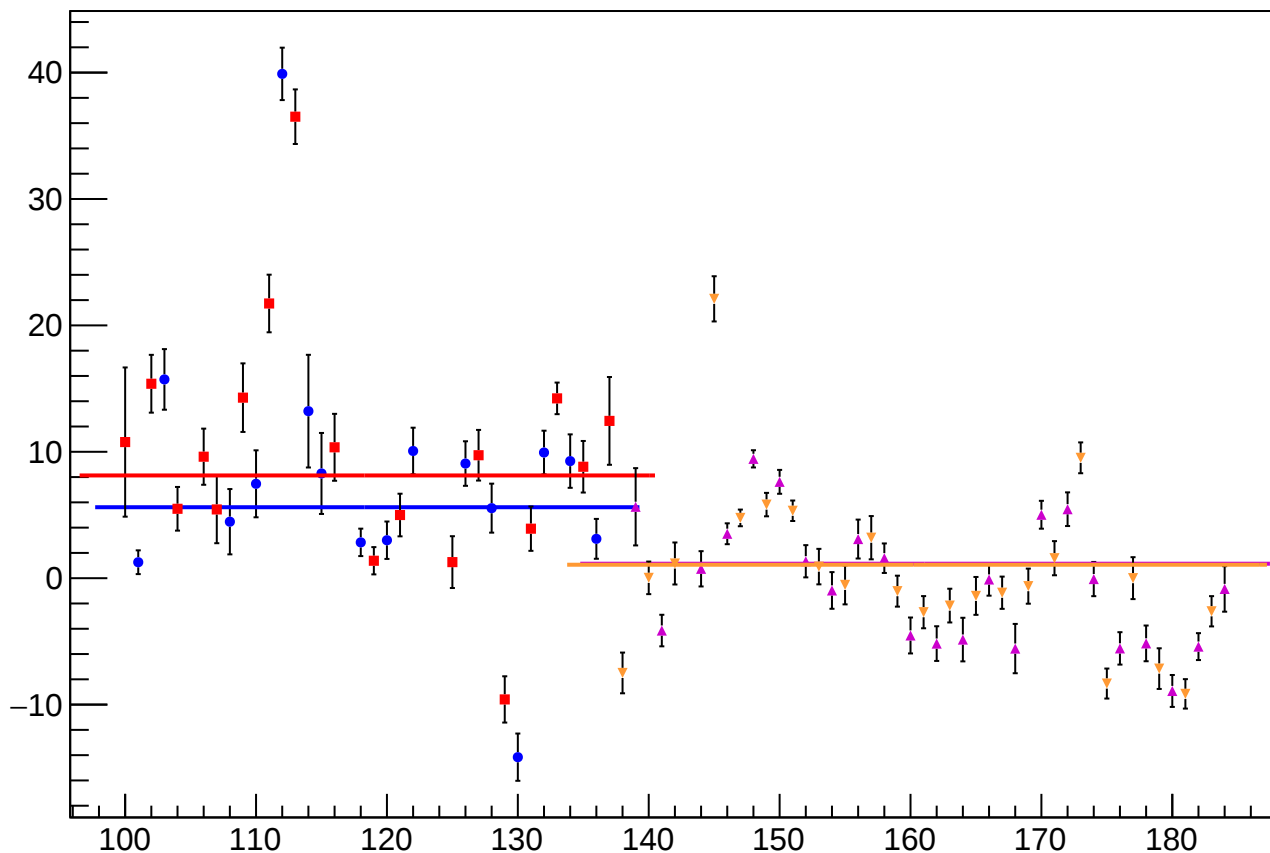
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -62.073+/-0.332 χ^2/NDF :2192.0/22

Out: -61.611+/-0.337 χ^2/NDF :2495.6/22

All: -61.845+/-0.237 χ^2/NDF : 4688.5/45

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: 1.066 $\pm$ 0.254 χ^2/NDF : 504.1/22

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: 1.106 $\pm$ 0.180 χ^2/NDF : 967.0/45

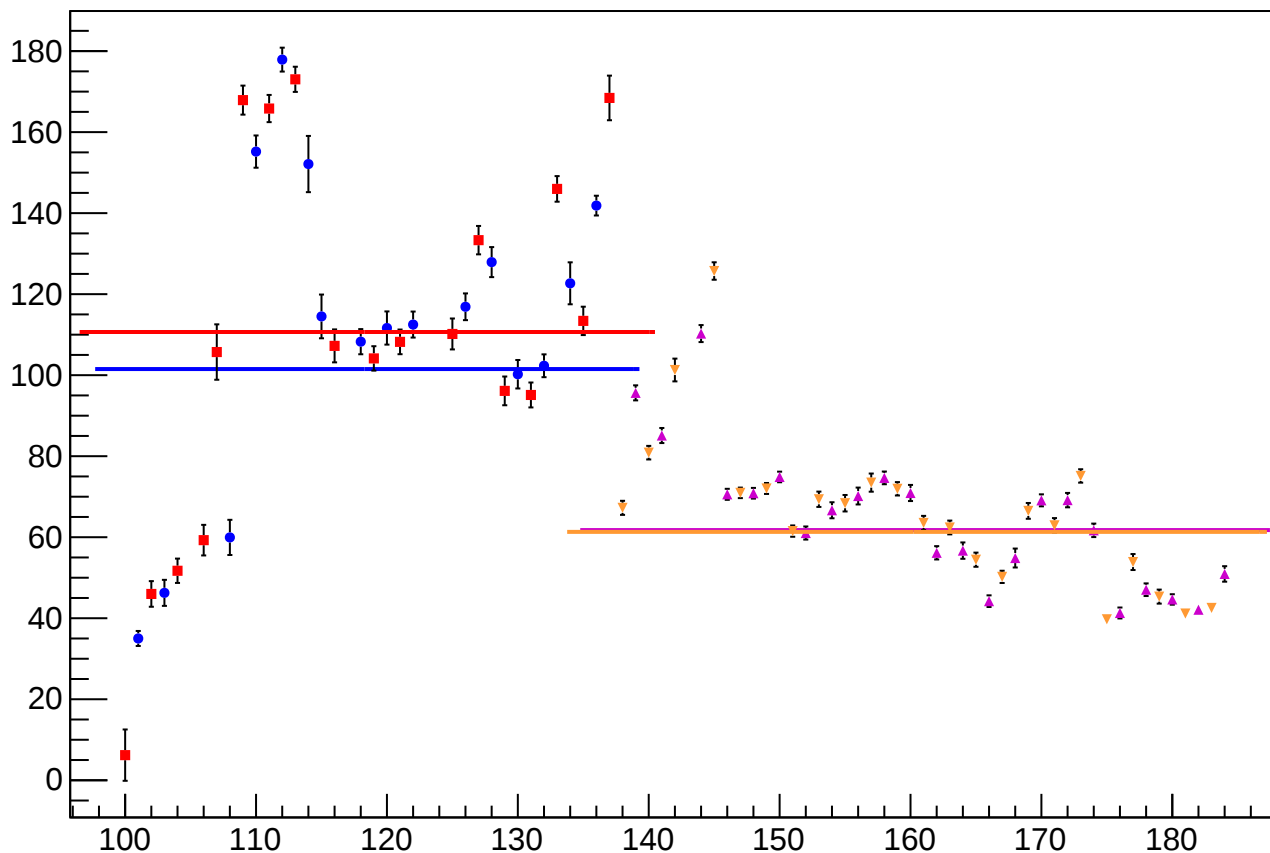
Right: 6.805 $\pm$ 0.312 χ^2/NDF : 883.9/33

In: 2.312 $\pm$ 0.220 χ^2/NDF : 1002.8/38

Out: 2.757 $\pm$ 0.222 χ^2/NDF : 1096.5/40

All: 2.532 $\pm$ 0.156 χ^2/NDF : 2101.4/79

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: 61.318 $\pm$ 0.335 χ^2 /NDF:2589.9/22

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: 61.544 $\pm$ 0.235 χ^2 /NDF: 5009.0/45

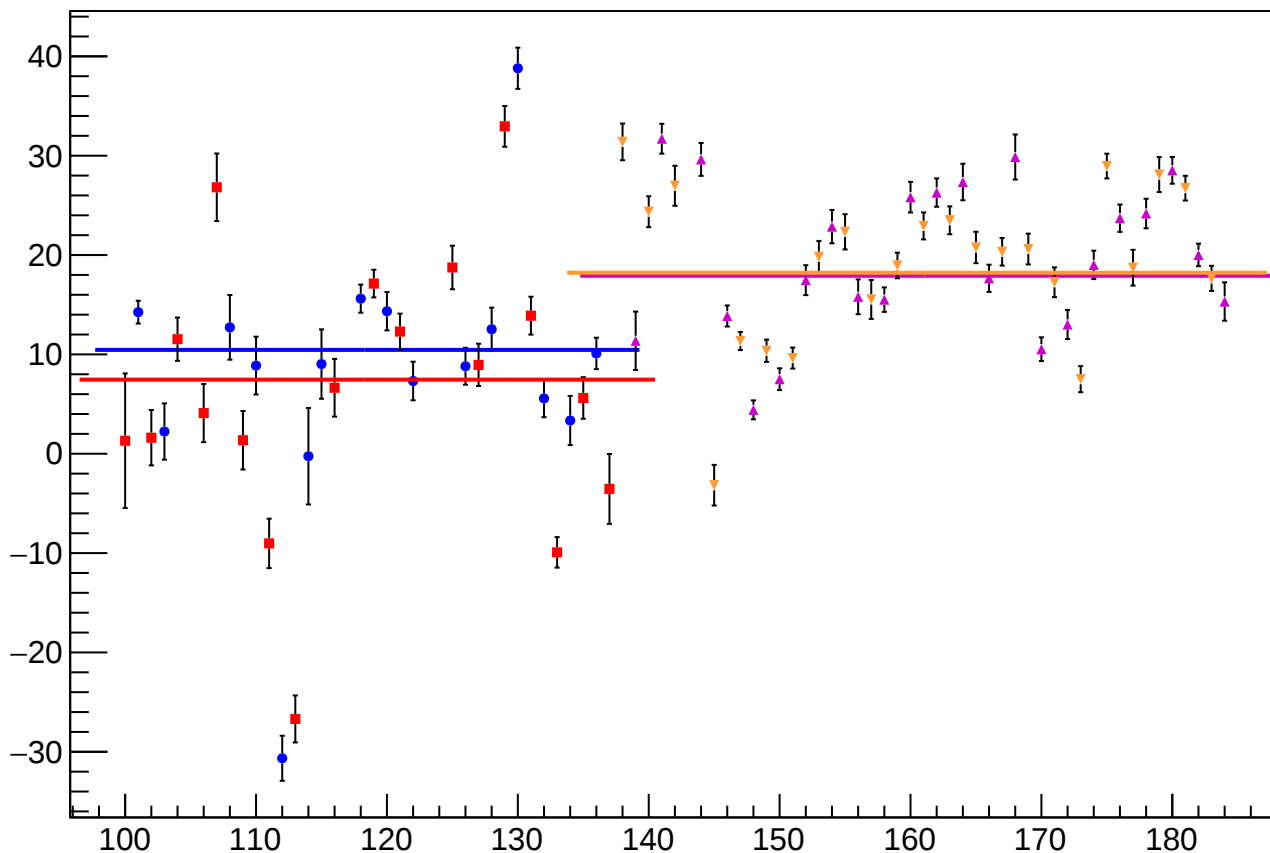
Right: 105.953 $\pm$ 0.584 χ^2 /NDF: 5548.8/33

In: 67.379 $\pm$ 0.306 χ^2 /NDF:7442.1/38

Out: 68.134 $\pm$ 0.311 χ^2 /NDF:8095.7/40

All: 67.750 $\pm$ 0.218 χ^2 /NDF: 15540.8/79

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: 18.219 $\pm$ 0.293 χ^2 /NDF: 629.4/22

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: 18.067 $\pm$ 0.207 χ^2 /NDF: 1356.4/45

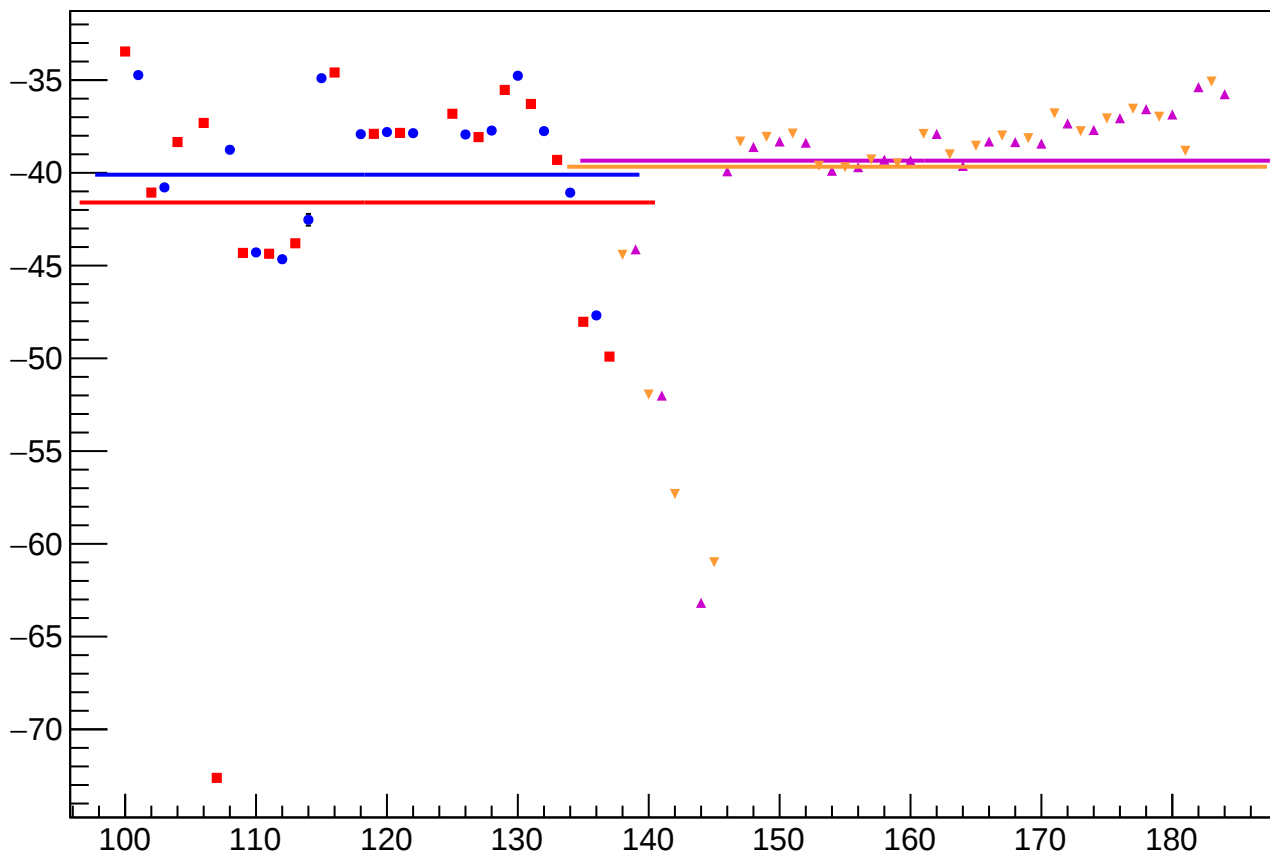
Right: 9.034 $\pm$ 0.361 χ^2 /NDF: 1281.6/33

In: 16.005 $\pm$ 0.252 χ^2 /NDF: 1471.2/38

Out: 15.655 $\pm$ 0.256 χ^2 /NDF: 1636.8/40

All: 15.833 $\pm$ 0.180 χ^2 /NDF: 3109.0/79

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.100 ± 0.028 χ^2/NDF : 25059.4/15

Left Out: -39.671 ± 0.014 χ^2/NDF : 138769.7/22

Right Out: -41.598 ± 0.029 χ^2/NDF : 61674.8/17

Left In: -39.344 ± 0.014 χ^2/NDF : 116615.7/22

Left: -39.504 ± 0.010 χ^2/NDF : 255668.1/45

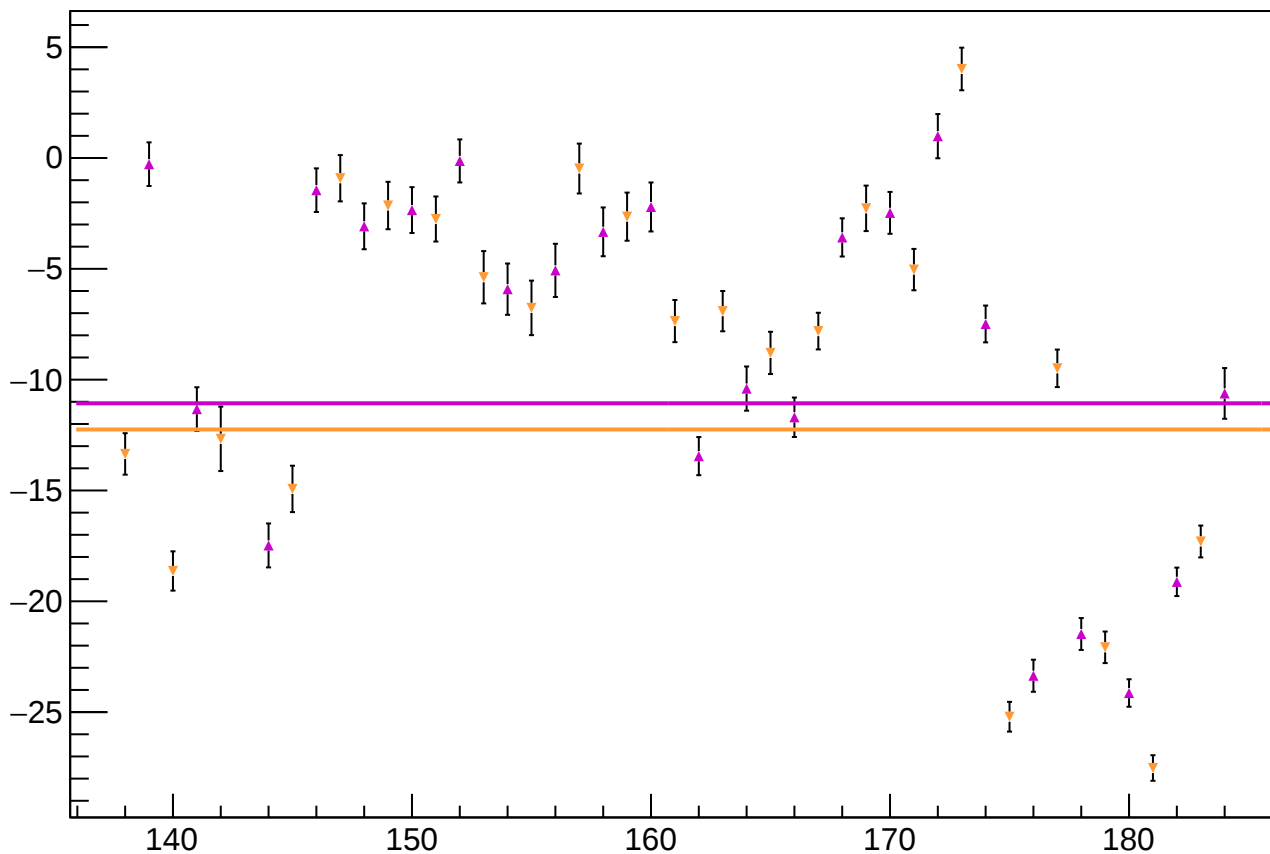
Right: -40.841 ± 0.020 χ^2/NDF : 88118.0/33

In: -39.485 ± 0.012 χ^2/NDF : 142252.8/38

Out: -40.038 ± 0.013 χ^2/NDF : 204112.5/40

All: -39.756 ± 0.009 χ^2/NDF : 347363.5/79

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: -12.249 $\pm$ 0.188 χ^2 /NDF:2463.3/22

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: -11.656 $\pm$ 0.133 χ^2 /NDF: 4587.7/45

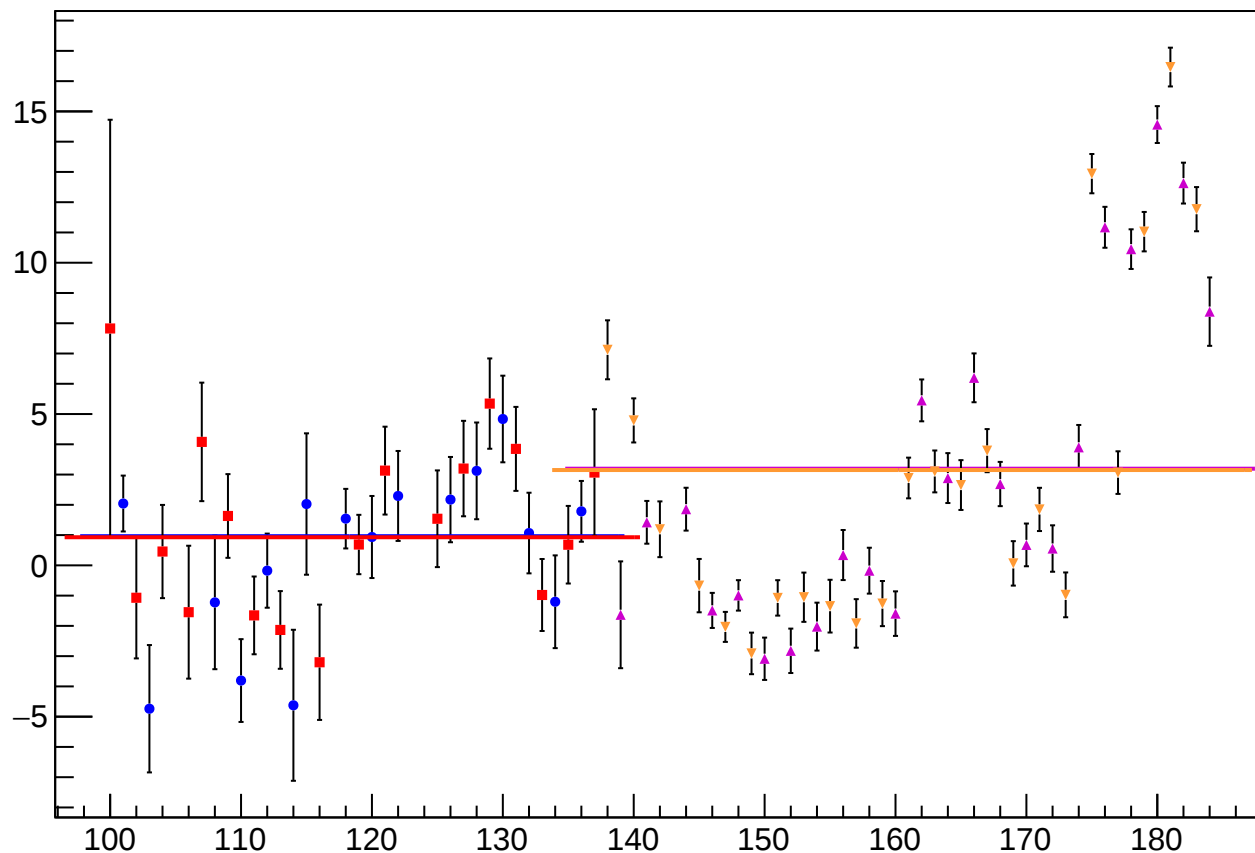
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -11.067 $\pm$ 0.188 χ^2 /NDF:2104.8/22

Out: -12.249 $\pm$ 0.188 χ^2 /NDF:2463.3/22

All: -11.656 $\pm$ 0.133 χ^2 /NDF: 4587.7/45

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: 3.150 ± 0.149 χ^2/NDF : 1411.2/22

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: 3.172 ± 0.106 χ^2/NDF : 2706.3/45

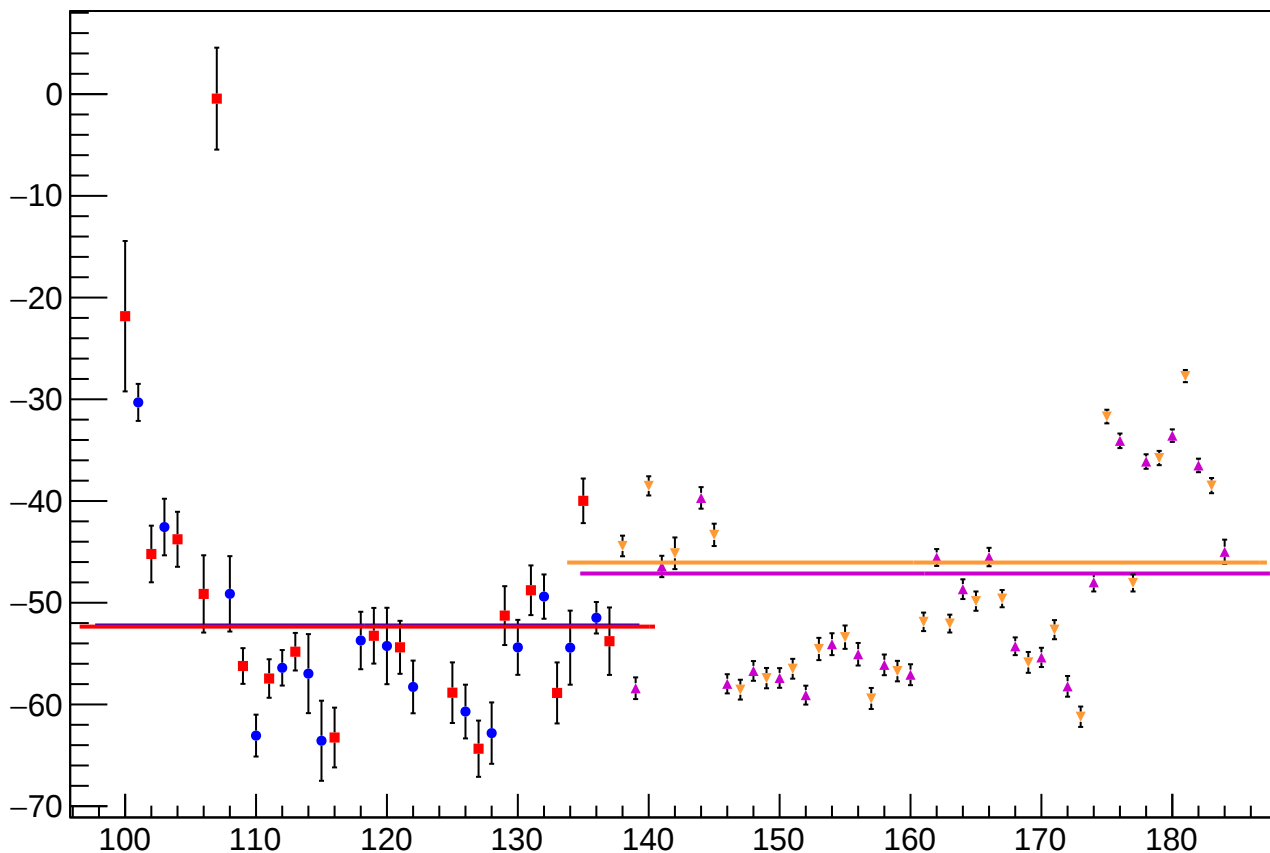
Right: 0.947 ± 0.246 χ^2/NDF : 83.7/33

In: 2.835 ± 0.137 χ^2/NDF : 1372.3/38

Out: 2.816 ± 0.137 χ^2/NDF : 1486.8/40

All: 2.825 ± 0.097 χ^2/NDF : 2859.1/79

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.238 ± 0.616 χ^2/NDF : 232.7/15

Left Out: -46.048 ± 0.188 χ^2/NDF : 3066.8/22

Right Out: -52.347 ± 0.617 χ^2/NDF : 232.8/17

Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

Left: -46.590 ± 0.133 χ^2/NDF : 5599.4/45

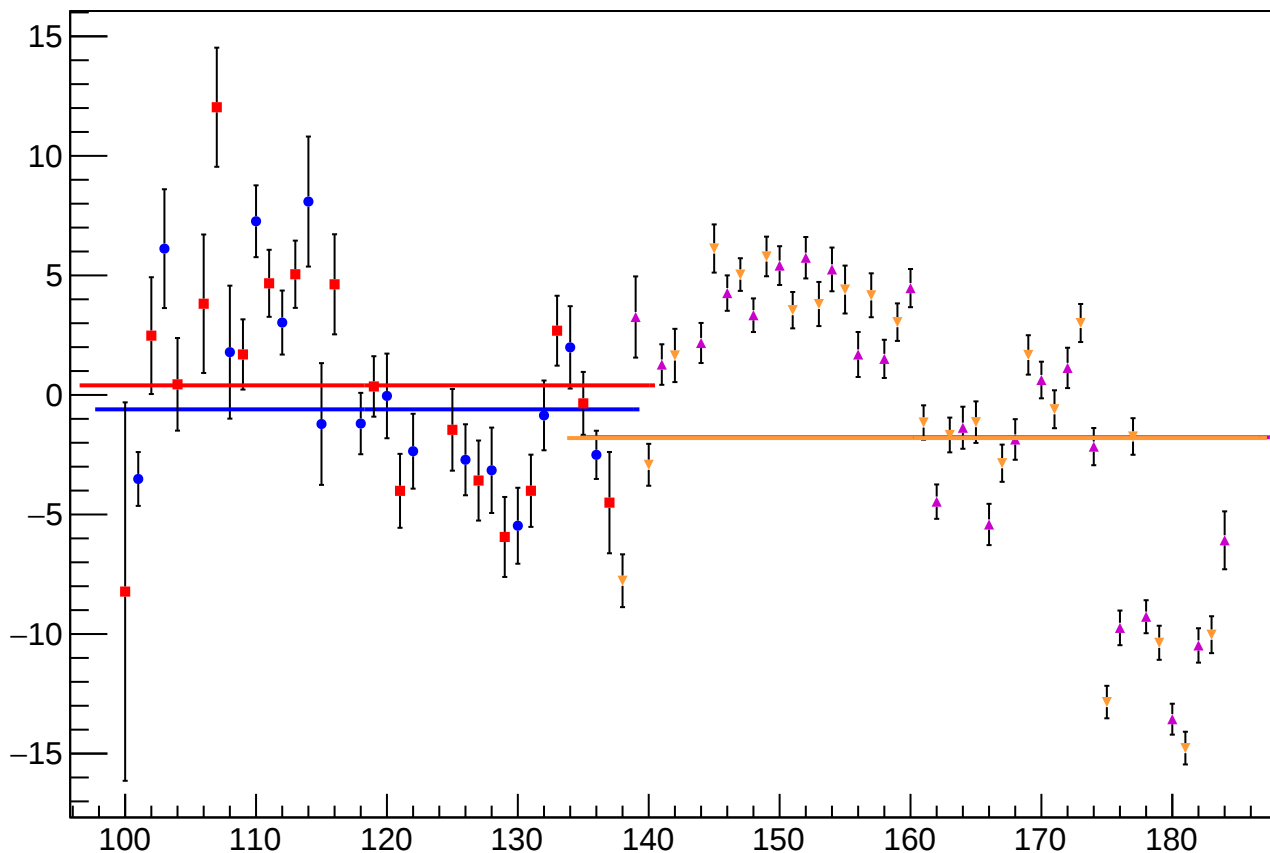
Right: -52.293 ± 0.436 χ^2/NDF : 465.5/33

In: -47.560 ± 0.179 χ^2/NDF : 2811.8/38

Out: -46.584 ± 0.180 χ^2/NDF : 3395.0/40

All: -47.074 ± 0.127 χ^2/NDF : 6221.6/79

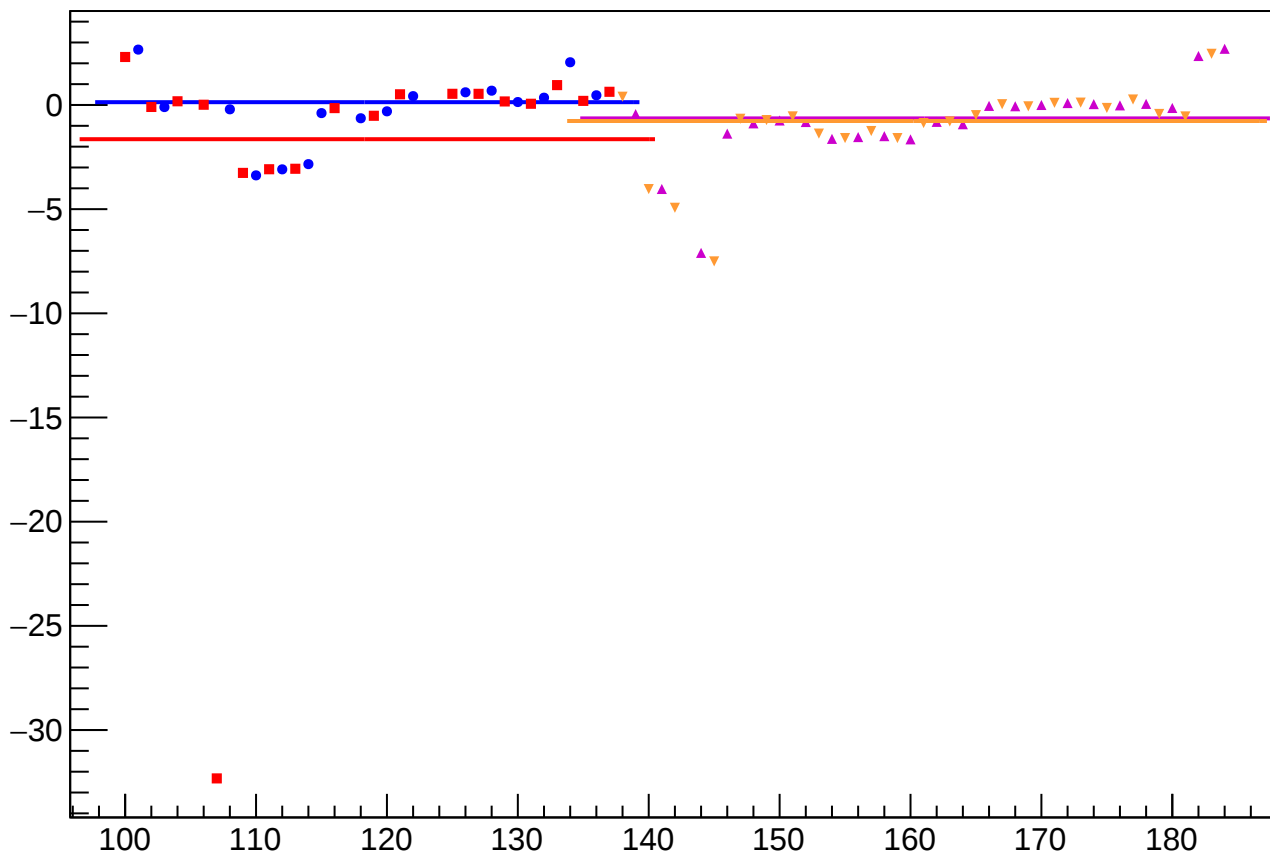
reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.603 ± 0.388 $\chi^2/\text{NDF}: 80.7/15$
 Left Out: -1.803 ± 0.168 $\chi^2/\text{NDF}: 1433.5/22$
 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: -1.787 ± 0.119 $\chi^2/\text{NDF}: 2684.8/45$
 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: -1.472 ± 0.155 $\chi^2/\text{NDF}: 1555.5/40$
 All: -1.528 ± 0.110 $\chi^2/\text{NDF}: 2895.3/79$

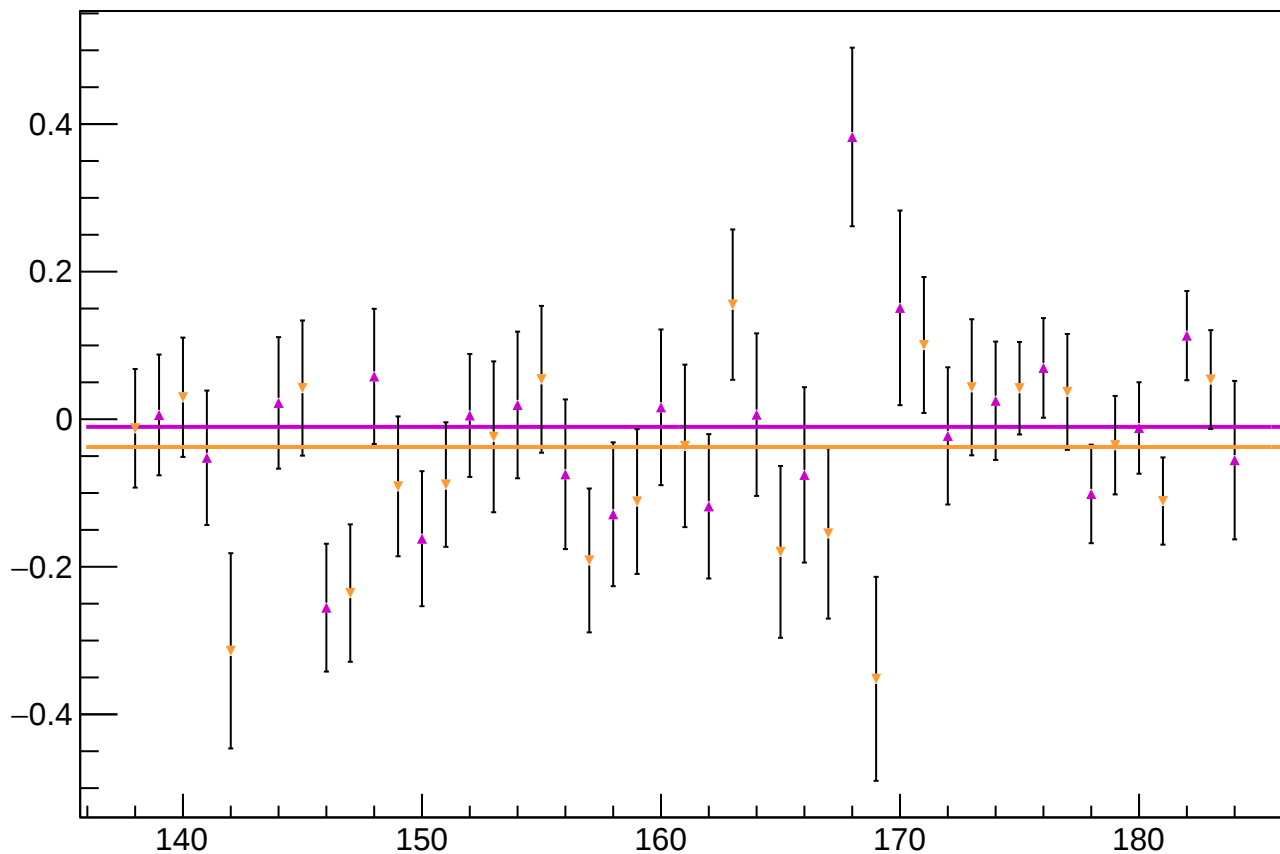
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.135 ± 0.022 $\chi^2/\text{NDF}: 5228.3/15$
 Left Out: -0.769 ± 0.008 $\chi^2/\text{NDF}: 50155.5/22$
 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: -0.706 ± 0.005 $\chi^2/\text{NDF}: 94455.7/45$
 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: -0.866 ± 0.007 $\chi^2/\text{NDF}: 129406.1/40$
 All: -0.710 ± 0.005 $\chi^2/\text{NDF}: 180865.4/79$

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: -0.038 $\pm$ 0.018 χ^2 /NDF:35.3/22

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: 71.5/45

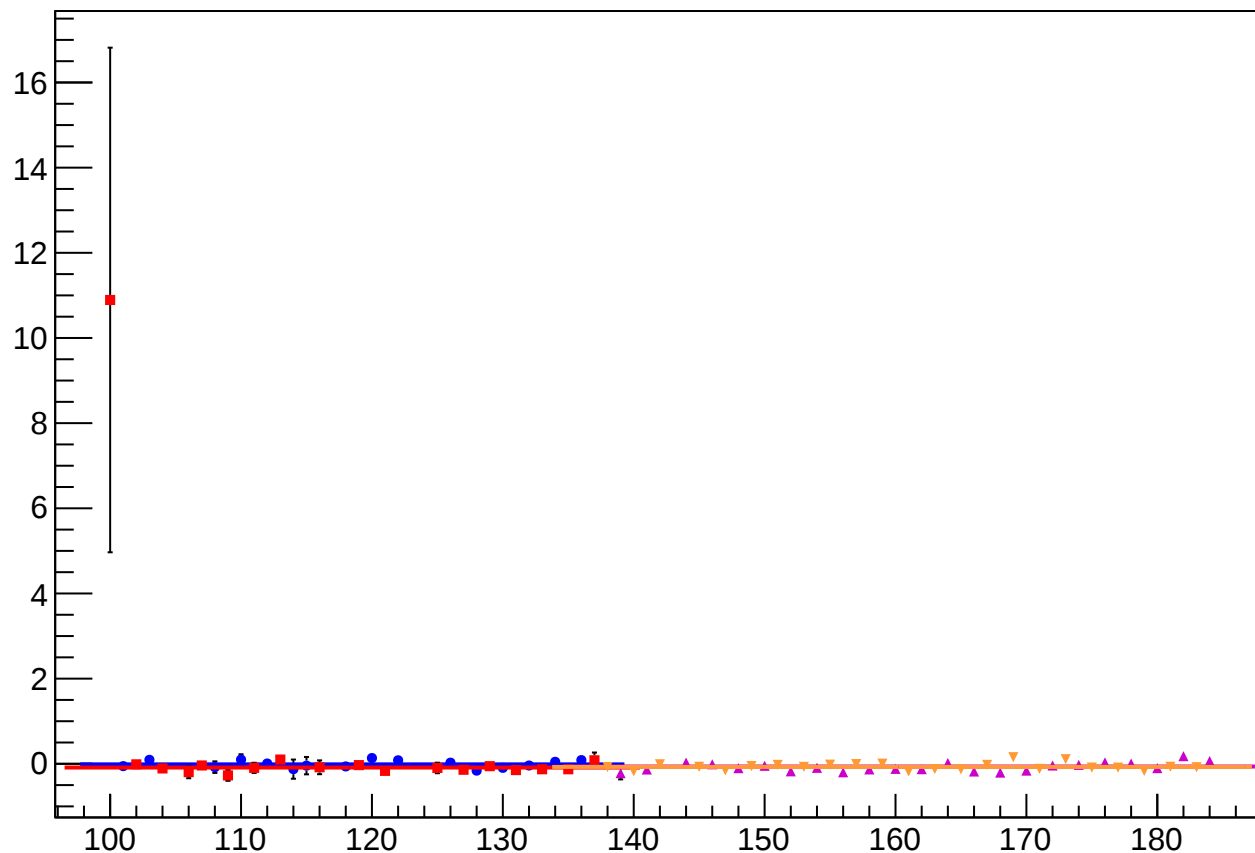
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.010 $\pm$ 0.018 χ^2 /NDF:35.1/22

Out: -0.038 $\pm$ 0.018 χ^2 /NDF:35.3/22

All: -0.024 $\pm$ 0.013 χ^2 /NDF: 71.5/45

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 $\pm$ 0.023 χ^2 /NDF: 12.0/15

Left Out: -0.073 $\pm$ 0.014 χ^2 /NDF:27.8/22

Right Out: -0.088 $\pm$ 0.025 χ^2 /NDF: 12.9/17

Left In: -0.064 $\pm$ 0.014 χ^2 /NDF:41.1/22

Left: -0.069 $\pm$ 0.010 χ^2 /NDF: 69.1/45

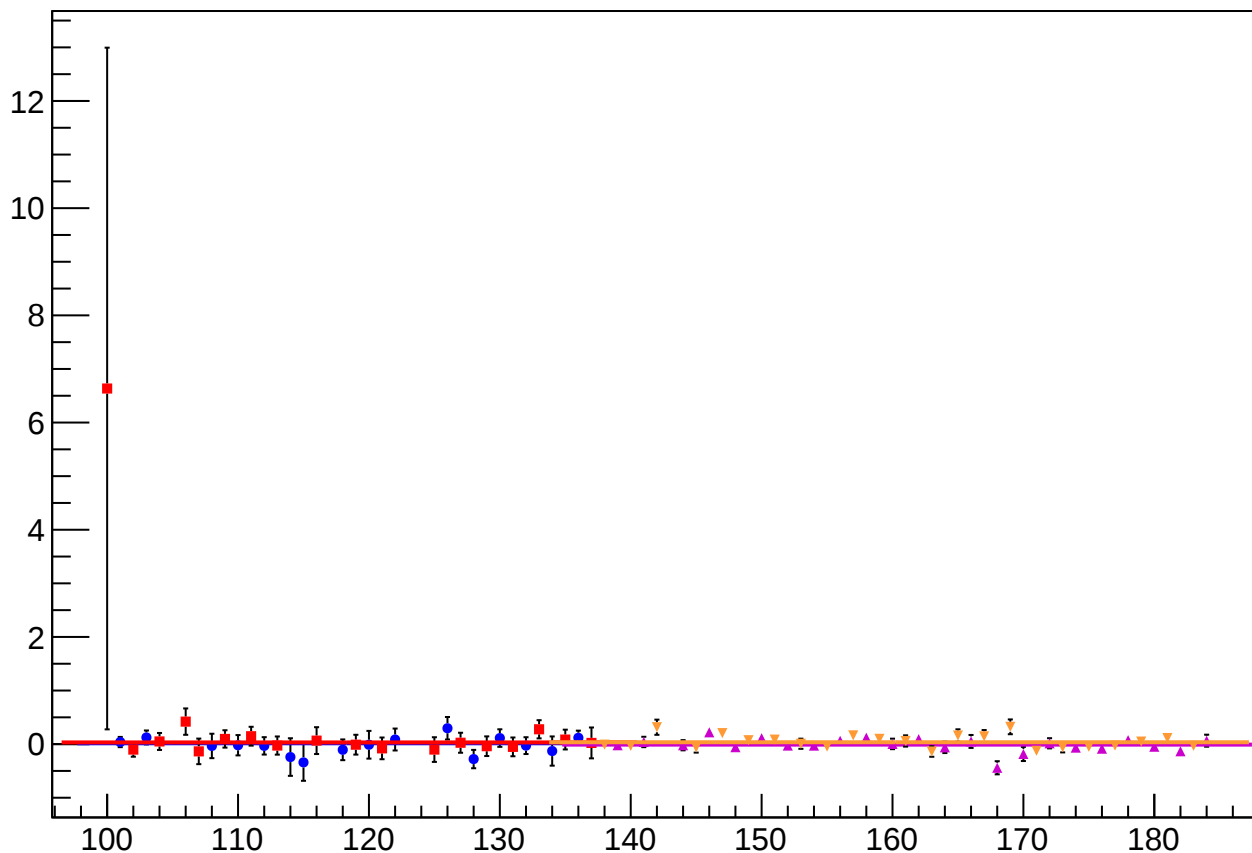
Right: -0.049 $\pm$ 0.017 χ^2 /NDF: 29.7/33

In: -0.050 $\pm$ 0.012 χ^2 /NDF:56.5/38

Out: -0.077 $\pm$ 0.012 χ^2 /NDF:41.0/40

All: -0.063 $\pm$ 0.009 χ^2 /NDF: 99.8/79

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: 0.035+/-0.018 χ^2/NDF : 32.1/22

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 : 71.9/45

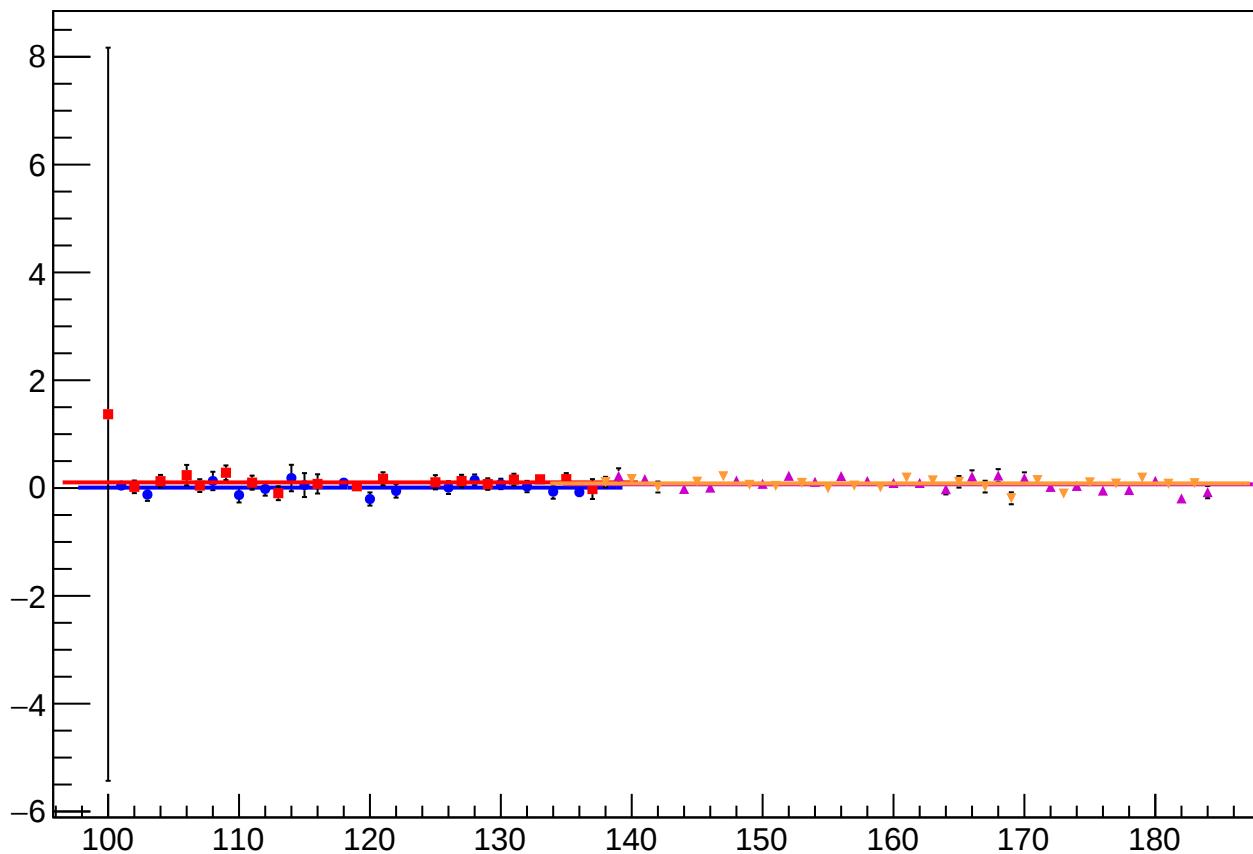
Right: 0.024+/-0.031 χ^2/NDF : 18.2/33

In: -0.005+/-0.017 χ^2/NDF : 46.2/38

Out: 0.035+/-0.017 χ^2/NDF : 41.1/40

All: 0.015+/-0.012 χ^2/NDF : 90.2/79

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 11.7/15

Left Out: 0.087 $\pm$ 0.016 χ^2 /NDF: 27.7/22

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 8.1/17

Left In: 0.070 $\pm$ 0.016 χ^2 /NDF: 44.8/22

Left: 0.078 $\pm$ 0.011 χ^2 /NDF: 73.1/45

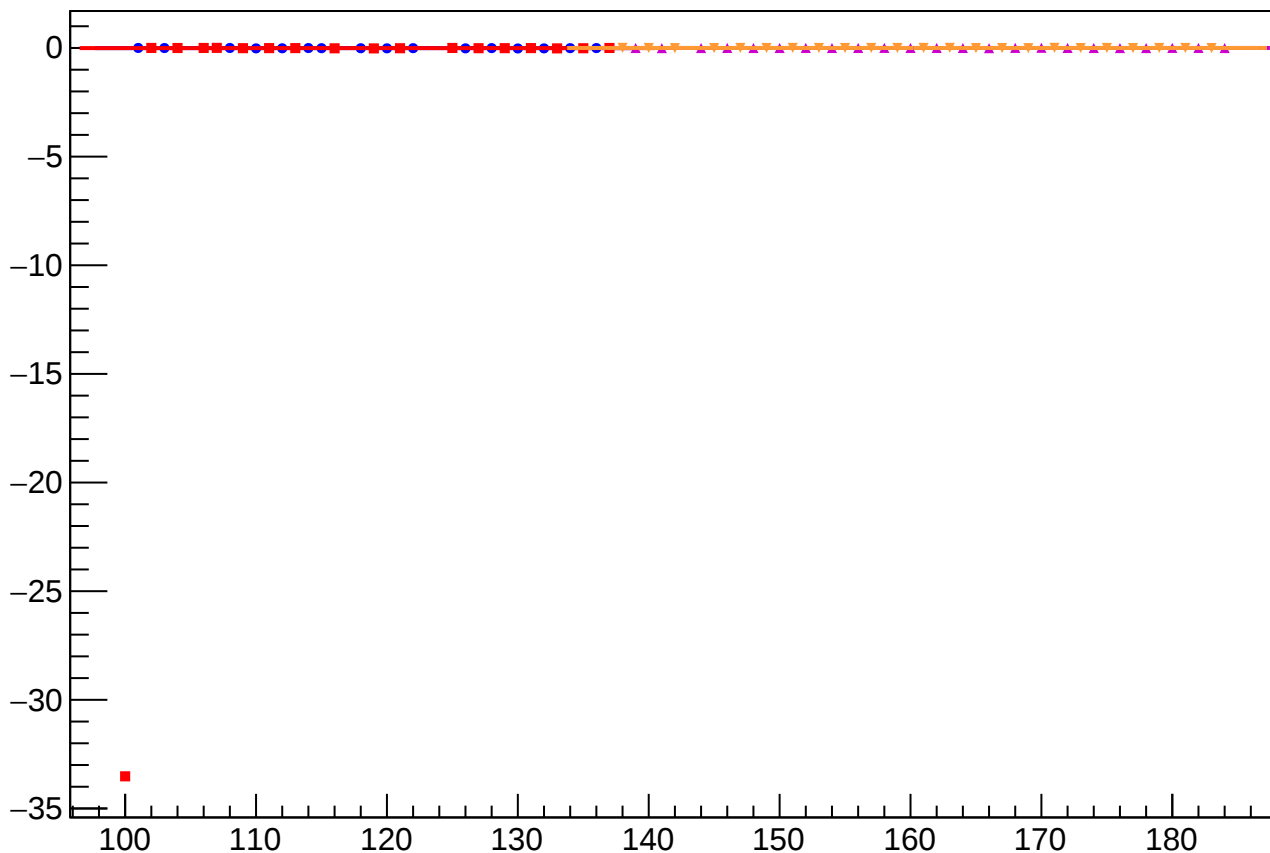
Right: 0.054 $\pm$ 0.020 χ^2 /NDF: 25.9/33

In: 0.053 $\pm$ 0.014 χ^2 /NDF: 60.3/38

Out: 0.091 $\pm$ 0.014 χ^2 /NDF: 36.1/40

All: 0.072 $\pm$ 0.010 χ^2 /NDF: 100.1/79

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 $\pm$ 0.001 χ^2 /NDF: 21.5/15

Left Out: 0.000 $\pm$ 0.001 χ^2 /NDF:23.3/22

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 26508.9/17

Left In: 0.000 $\pm$ 0.001 χ^2 /NDF:22.3/22

Left: 0.000 $\pm$ 0.001 χ^2 /NDF: 45.7/45

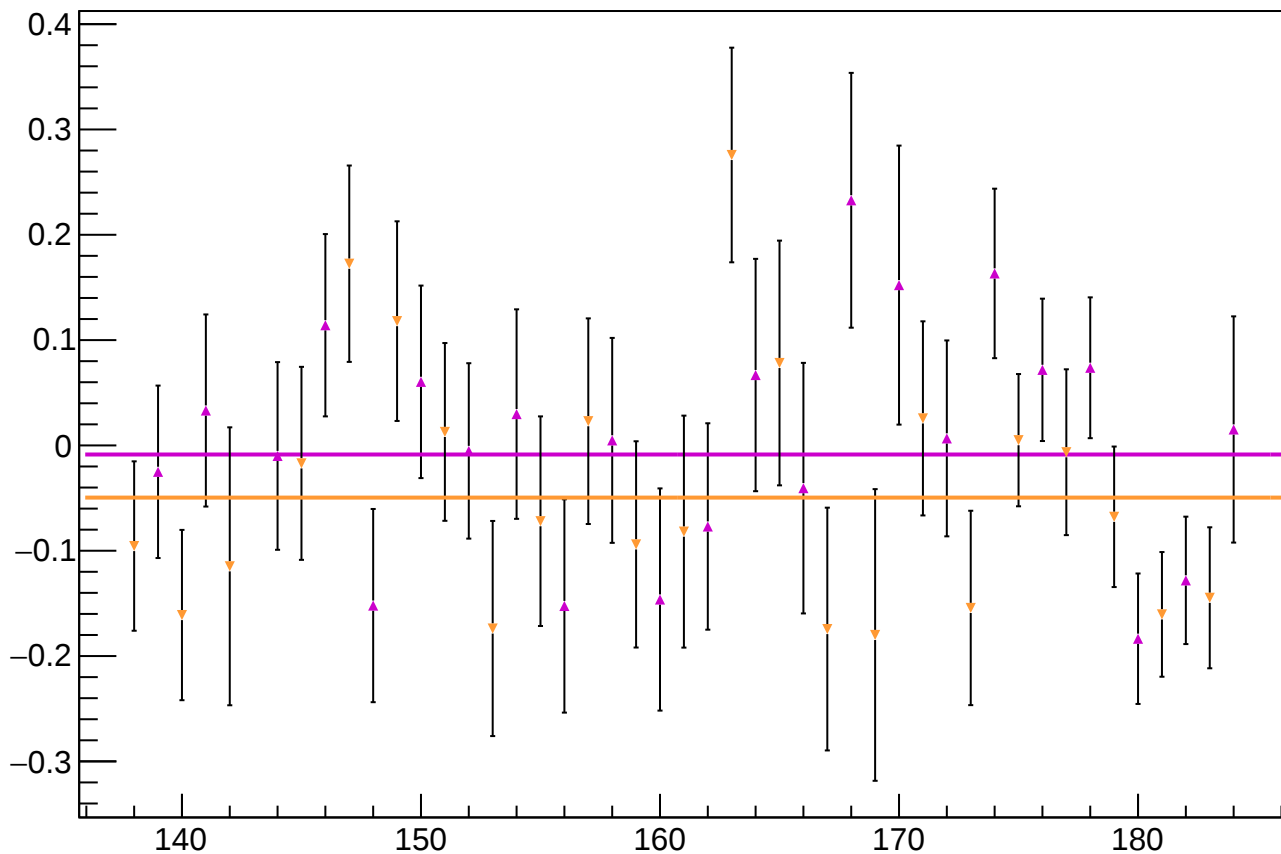
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 26530.5/33

In: -0.001 $\pm$ 0.001 χ^2 /NDF:55.5/38

Out: -0.001 $\pm$ 0.001 χ^2 /NDF:26547.7/40

All: -0.001 $\pm$ 0.000 χ^2 /NDF: 26603.3/79

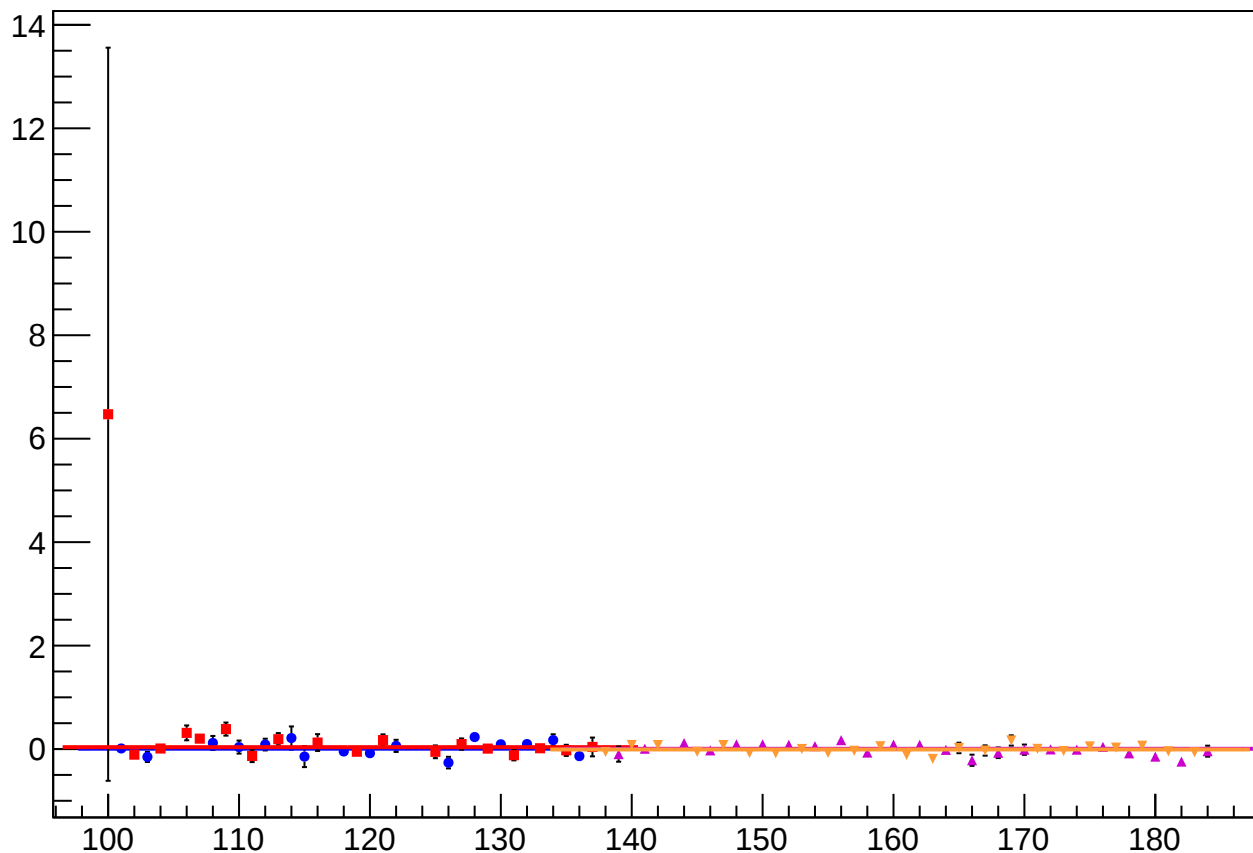
reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.050 $\pm$ 0.018 χ^2 /NDF:36.4/22
 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: -0.029 $\pm$ 0.013 χ^2 /NDF: 74.0/45
 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: -0.050 $\pm$ 0.018 χ^2 /NDF:36.4/22
 All: -0.029 $\pm$ 0.013 χ^2 /NDF: 74.0/45

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: -0.008+/-0.014 χ^2/NDF : 26.9/22

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: -0.002+/-0.010 χ^2/NDF : 76.8/45

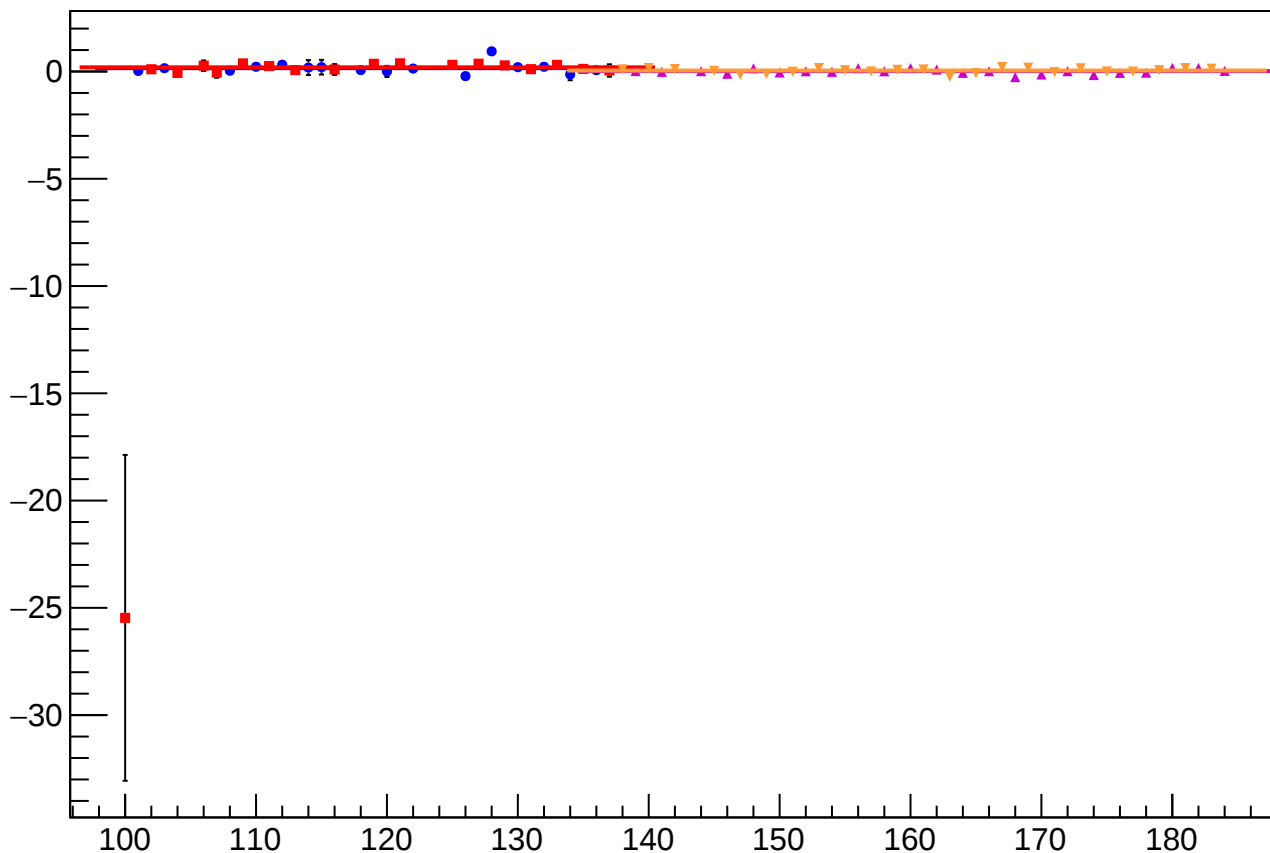
Right: 0.021+/-0.017 χ^2/NDF : 54.6/33

In: 0.006+/-0.012 χ^2/NDF : 74.7/38

Out: 0.003+/-0.012 χ^2/NDF : 58.0/40

All: 0.004+/-0.009 χ^2/NDF : 132.7/79

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.157+/-0.043 χ^2/NDF : 29.7/15

Left Out: 0.046+/-0.018 χ^2/NDF :34.6/22

Right Out: 0.195+/-0.045 χ^2/NDF : 22.0/17

Left In: 0.020+/-0.018 χ^2/NDF :35.8/22

Left: 0.033+/-0.013 χ^2/NDF : 71.5/45

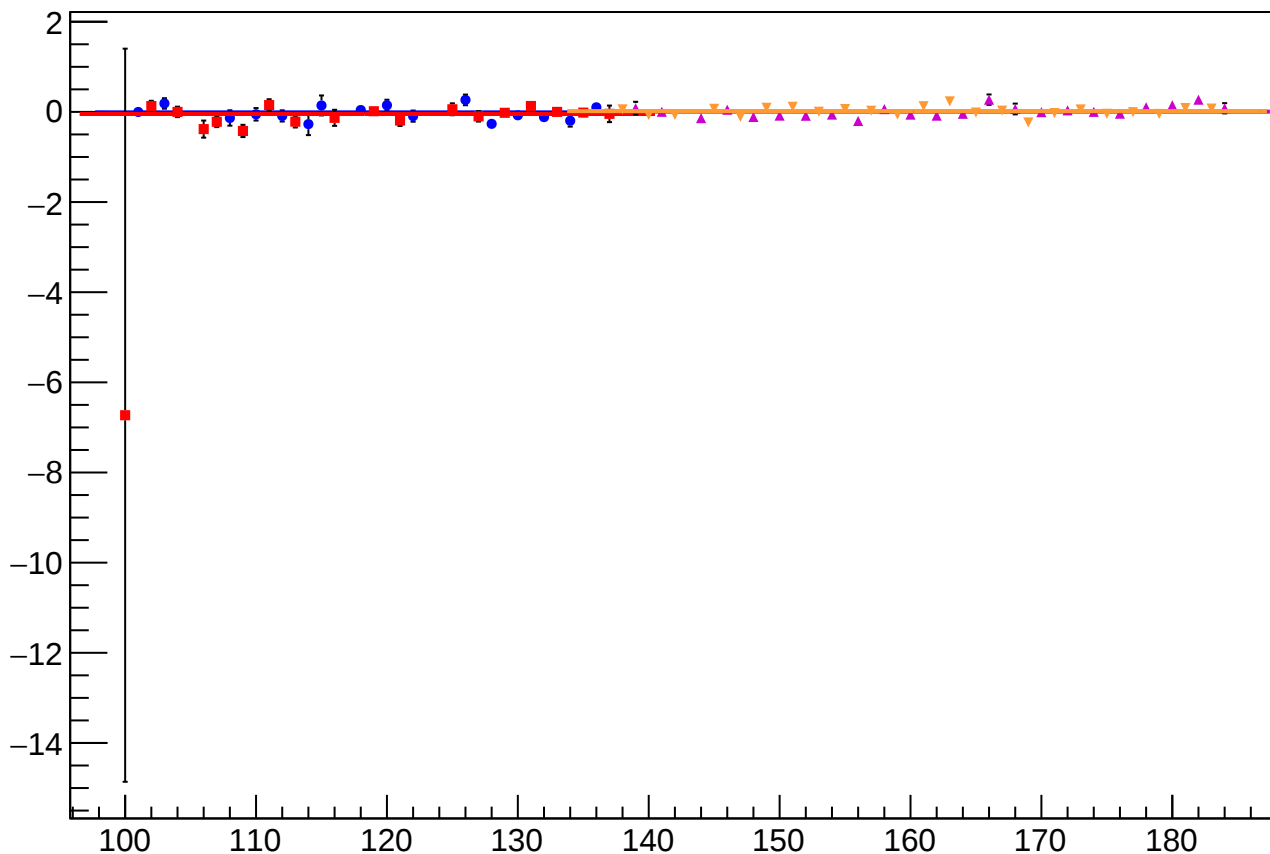
Right: 0.175+/-0.031 χ^2/NDF : 52.1/33

In: 0.040+/-0.017 χ^2/NDF :74.1/38

Out: 0.067+/-0.017 χ^2/NDF :66.1/40

All: 0.053+/-0.012 χ^2/NDF : 141.4/79

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.010 ± 0.027 χ^2/NDF : 24.6/15

Left Out: 0.018 ± 0.016 χ^2/NDF : 29.6/22

Right Out: -0.046 ± 0.029 χ^2/NDF : 26.3/17

Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

Left: 0.012 ± 0.011 χ^2/NDF : 80.0/45

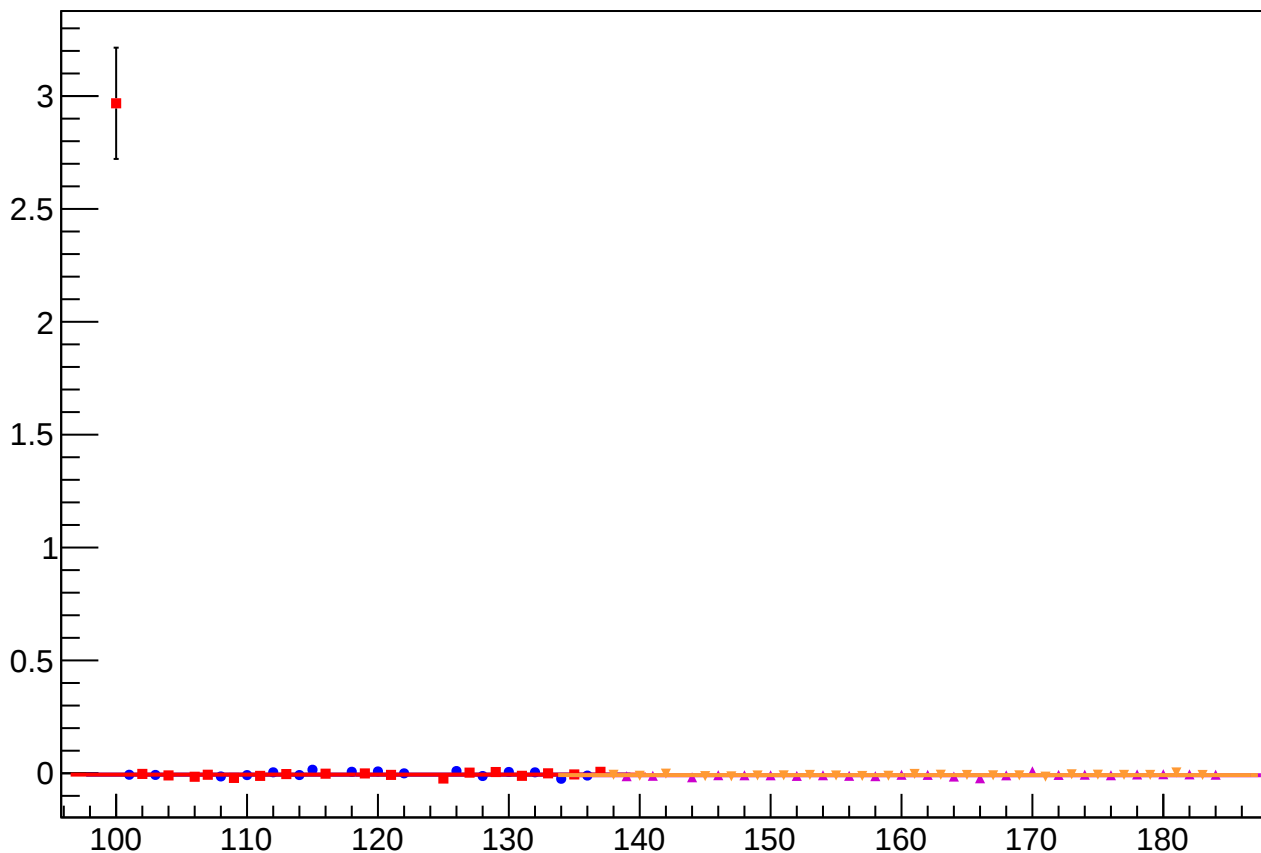
Right: -0.027 ± 0.020 χ^2/NDF : 51.7/33

In: 0.002 ± 0.014 χ^2/NDF : 75.0/38

Out: 0.002 ± 0.014 χ^2/NDF : 59.7/40

All: 0.002 ± 0.010 χ^2/NDF : 134.7/79

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.001 χ^2/NDF : 27.4/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 29.7/22

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.3/17

Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

Left: -0.008 ± 0.001 χ^2/NDF : 67.3/45

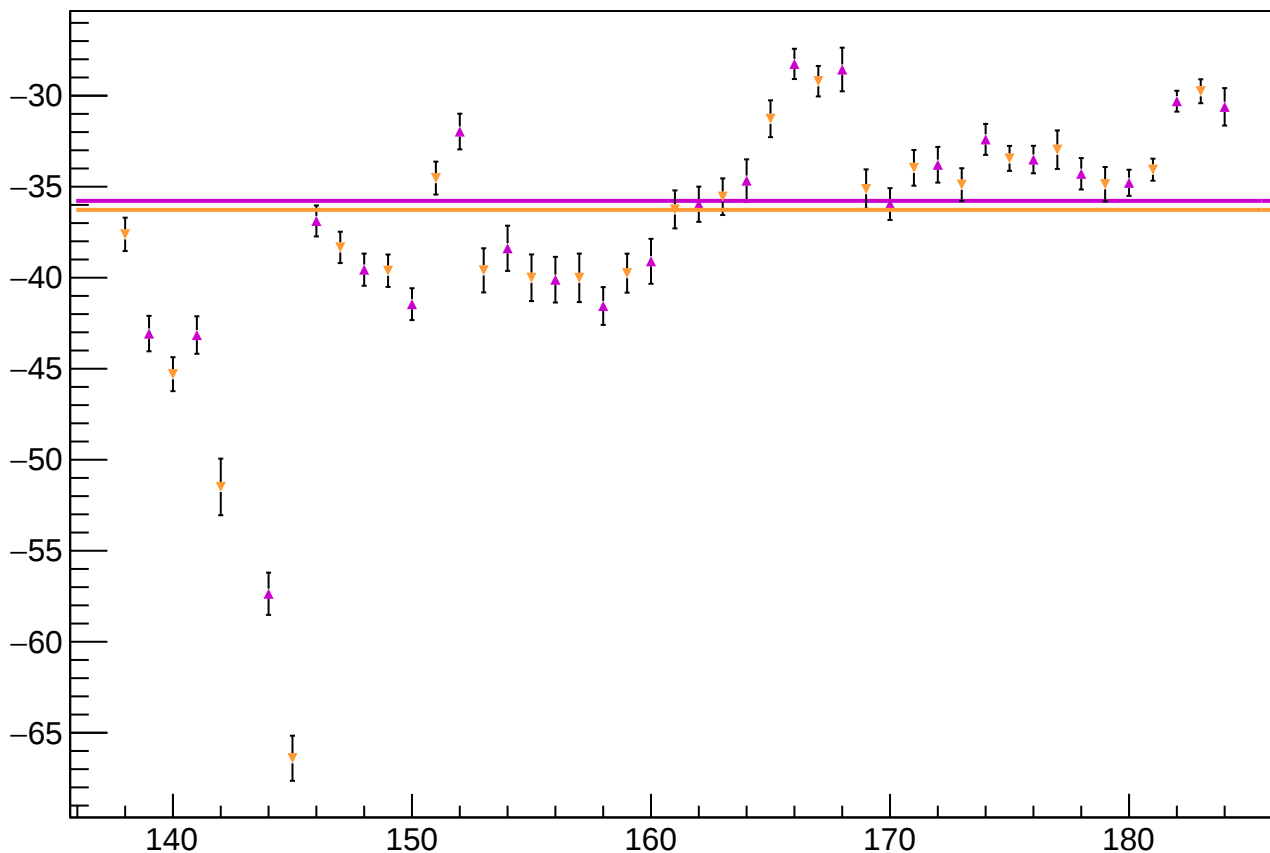
Right: -0.006 ± 0.001 χ^2/NDF : 192.7/33

In: -0.008 ± 0.001 χ^2/NDF : 67.2/38

Out: -0.008 ± 0.001 χ^2/NDF : 196.8/40

All: -0.008 ± 0.000 χ^2/NDF : 264.4/79

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: -36.272+/-0.194 χ^2/NDF :1086.2/22

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: -36.022+/-0.136 χ^2/NDF : 1943.6/45

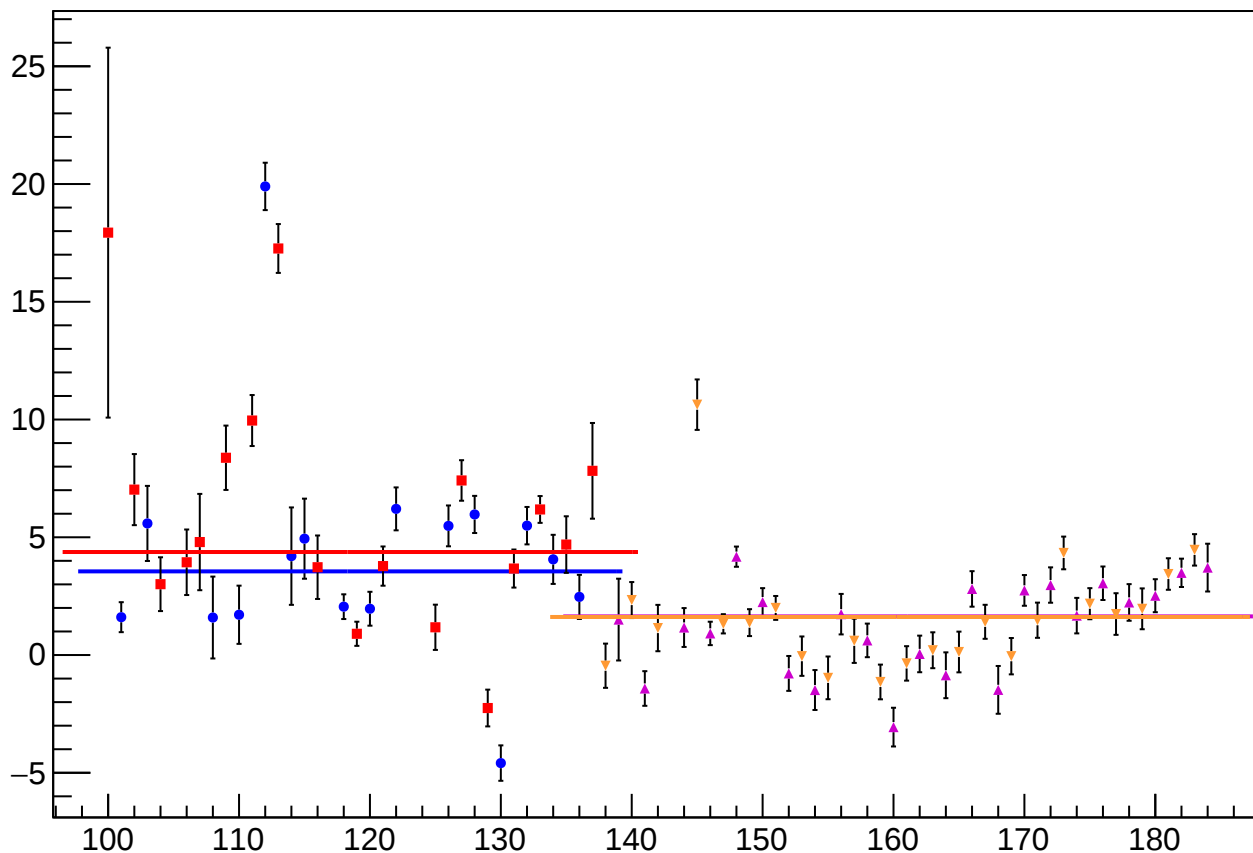
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -35.779+/-0.191 χ^2/NDF :854.1/22

Out: -36.272+/-0.194 χ^2/NDF :1086.2/22

All: -36.022+/-0.136 χ^2/NDF : 1943.6/45

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: 1.616 $\pm$ 0.149 χ^2 /NDF:165.6/22

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: 1.628 $\pm$ 0.106 χ^2 /NDF: 328.8/45

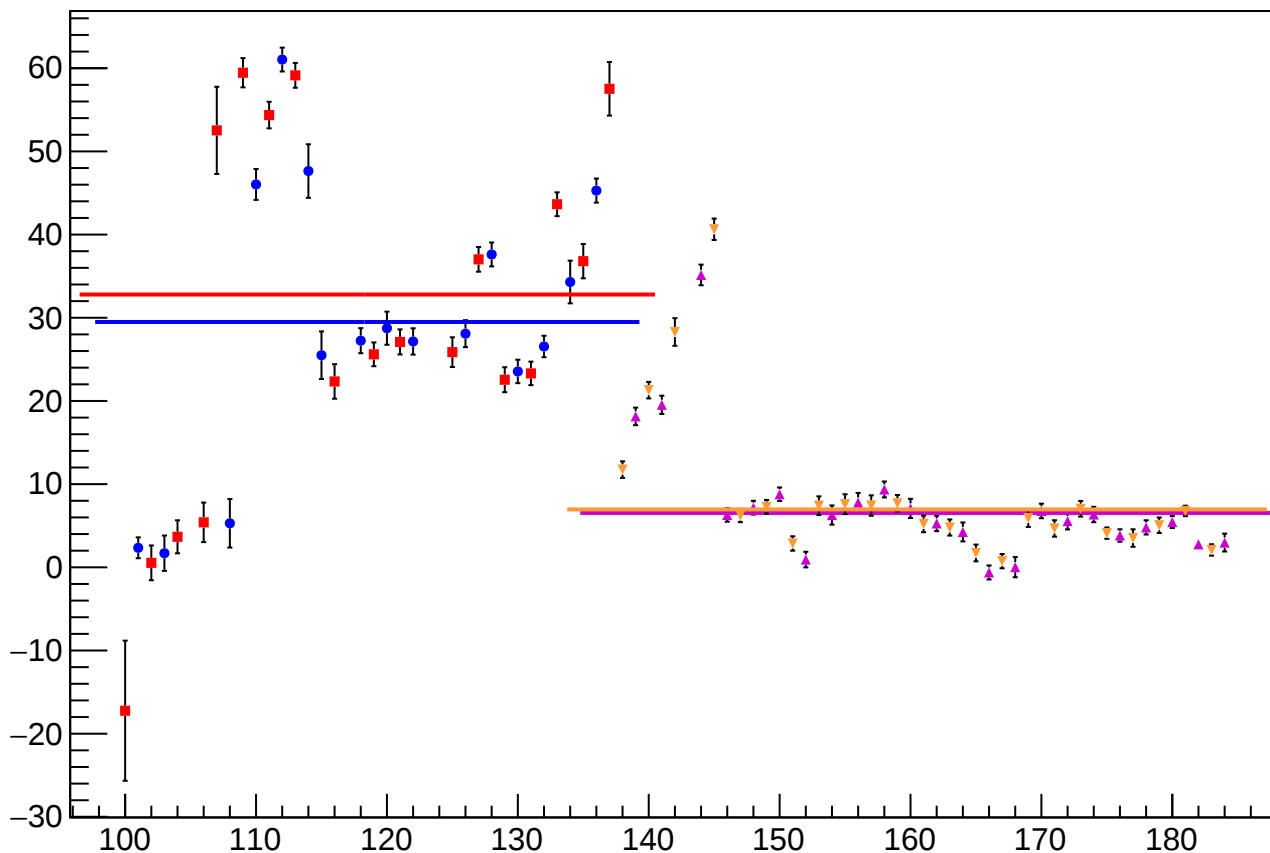
Right: 3.955 $\pm$ 0.158 χ^2 /NDF: 799.8/33

In: 2.242 $\pm$ 0.124 χ^2 /NDF:654.5/38

Out: 2.455 $\pm$ 0.124 χ^2 /NDF:623.1/40

All: 2.348 $\pm$ 0.088 χ^2 /NDF: 1279.1/79

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: 6.961 $\pm$ 0.193 χ^2 /NDF:1283.2/22

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: 6.746 $\pm$ 0.136 χ^2 /NDF: 2310.7/45

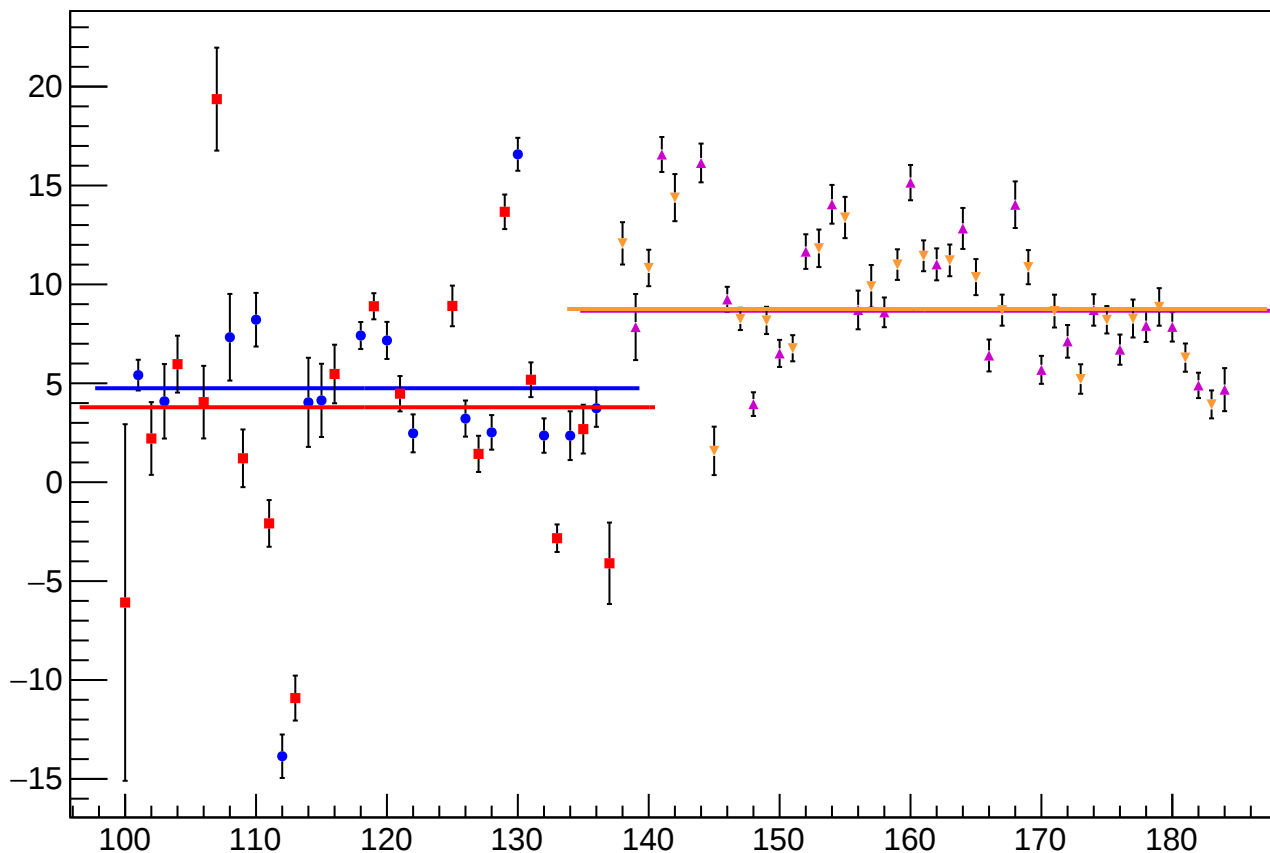
Right: 31.130 $\pm$ 0.298 χ^2 /NDF: 3180.4/33

In: 10.444 $\pm$ 0.173 χ^2 /NDF:4989.8/38

Out: 11.411 $\pm$ 0.176 χ^2 /NDF:6021.3/40

All: 10.921 $\pm$ 0.123 χ^2 /NDF: 11026.4/79

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.750 ± 0.255 χ^2/NDF : 546.5/15

Left Out: 8.756 ± 0.171 χ^2/NDF : 233.8/22

Right Out: 3.789 ± 0.259 χ^2/NDF : 564.8/17

Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

Left: 8.712 ± 0.120 χ^2/NDF : 670.7/45

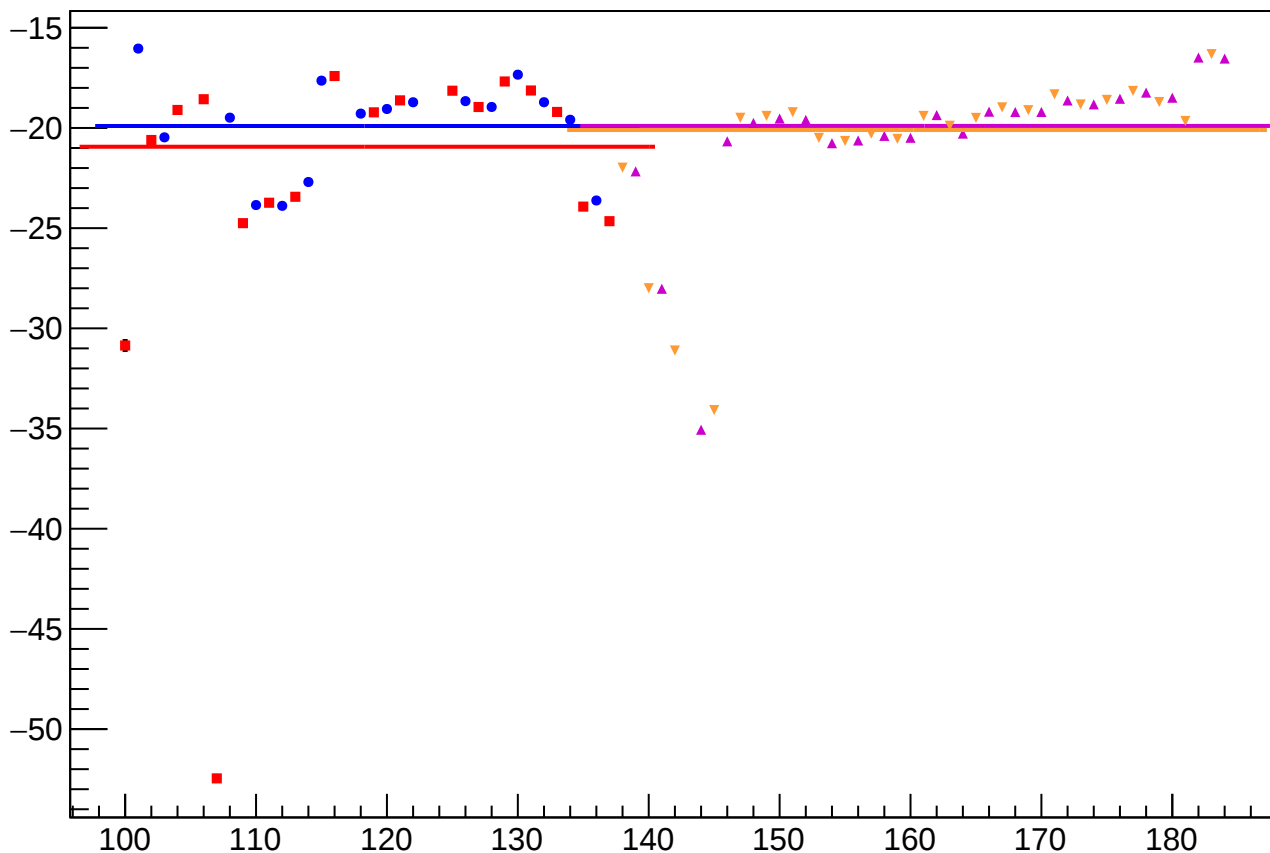
Right: 4.278 ± 0.182 χ^2/NDF : 1118.3/33

In: 7.458 ± 0.141 χ^2/NDF : 1147.0/38

Out: 7.254 ± 0.142 χ^2/NDF : 1055.2/40

All: 7.356 ± 0.100 χ^2/NDF : 2203.2/79

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 $\pm$ 0.016 χ^2 /NDF: 26019.5/15

Left Out: -20.102 $\pm$ 0.008 χ^2 /NDF:166091.8/22

Right Out: -20.936 $\pm$ 0.016 χ^2 /NDF: 93988.8/17

Left In: -19.898 $\pm$ 0.008 χ^2 /NDF:144191.9/22

Left: -19.998 $\pm$ 0.006 χ^2 /NDF: 310616.1/45

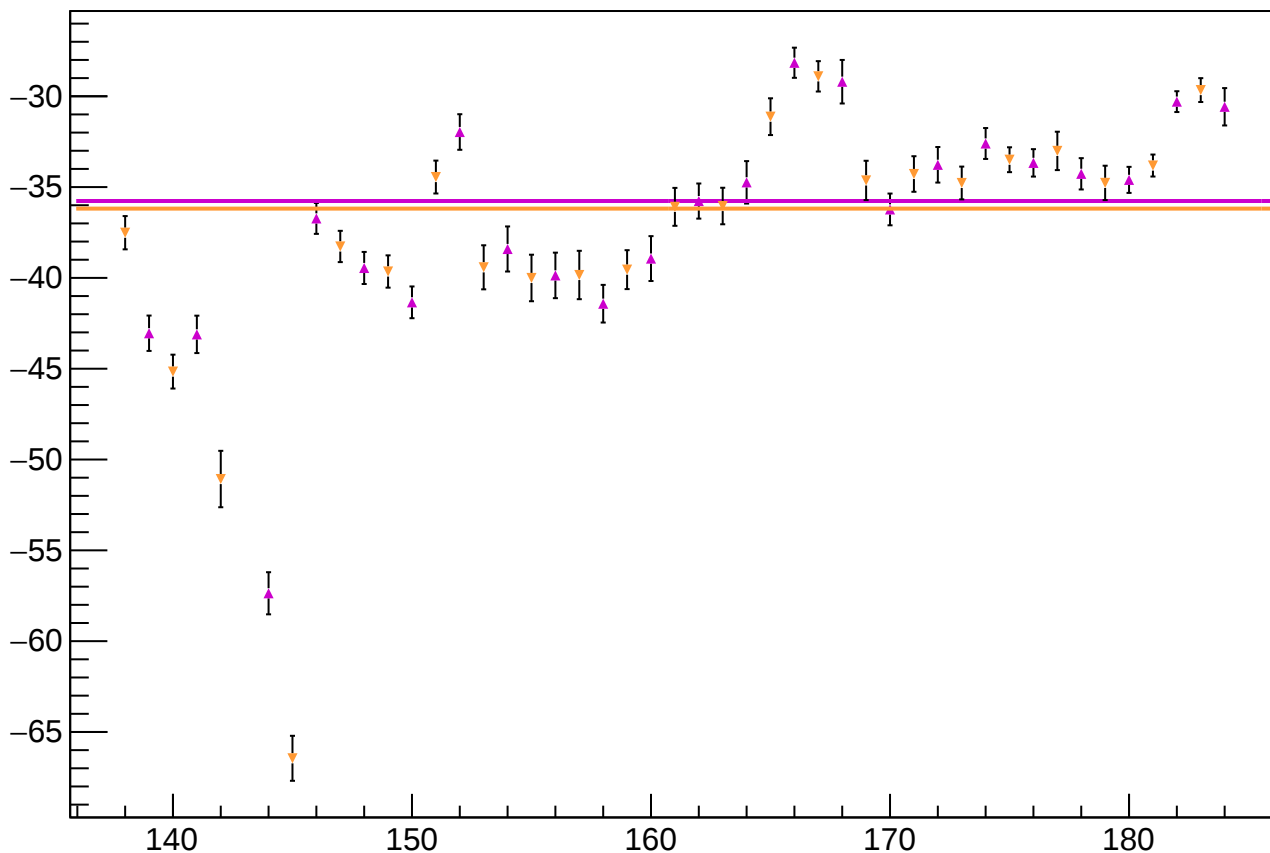
Right: -20.416 $\pm$ 0.011 χ^2 /NDF: 122177.4/33

In: -19.899 $\pm$ 0.007 χ^2 /NDF:170211.4/38

Out: -20.273 $\pm$ 0.007 χ^2 /NDF:262310.6/40

All: -20.083 $\pm$ 0.005 χ^2 /NDF: 433924.7/79

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: -36.185+/-0.194 χ^2/NDF :1091.5/22

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: -35.973+/-0.136 χ^2/NDF : 1936.5/45

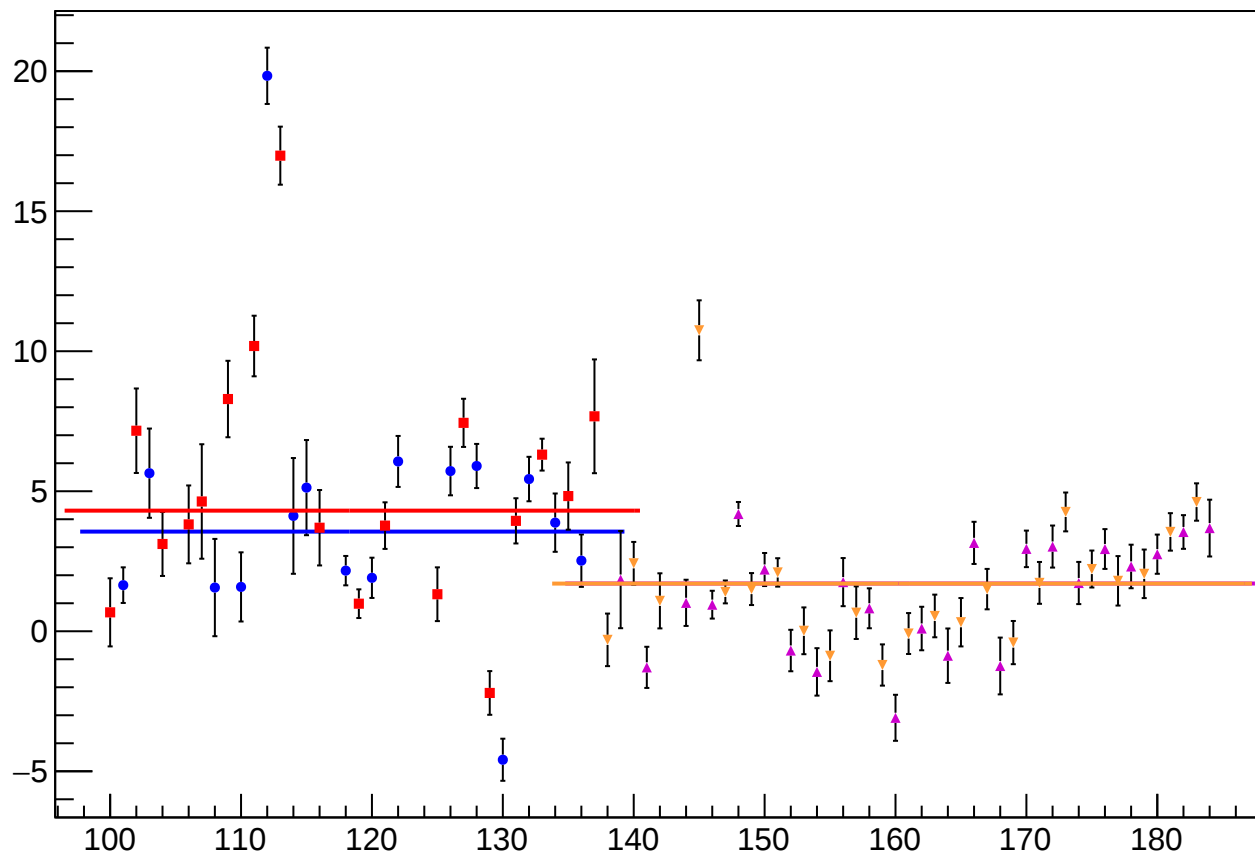
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -35.766+/-0.191 χ^2/NDF :842.6/22

Out: -36.185+/-0.194 χ^2/NDF :1091.5/22

All: -35.973+/-0.136 χ^2/NDF : 1936.5/45

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: 1.702 ± 0.149 $\chi^2/\text{NDF}: 166.9/22$

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: 1.704 ± 0.105 $\chi^2/\text{NDF}: 329.9/45$

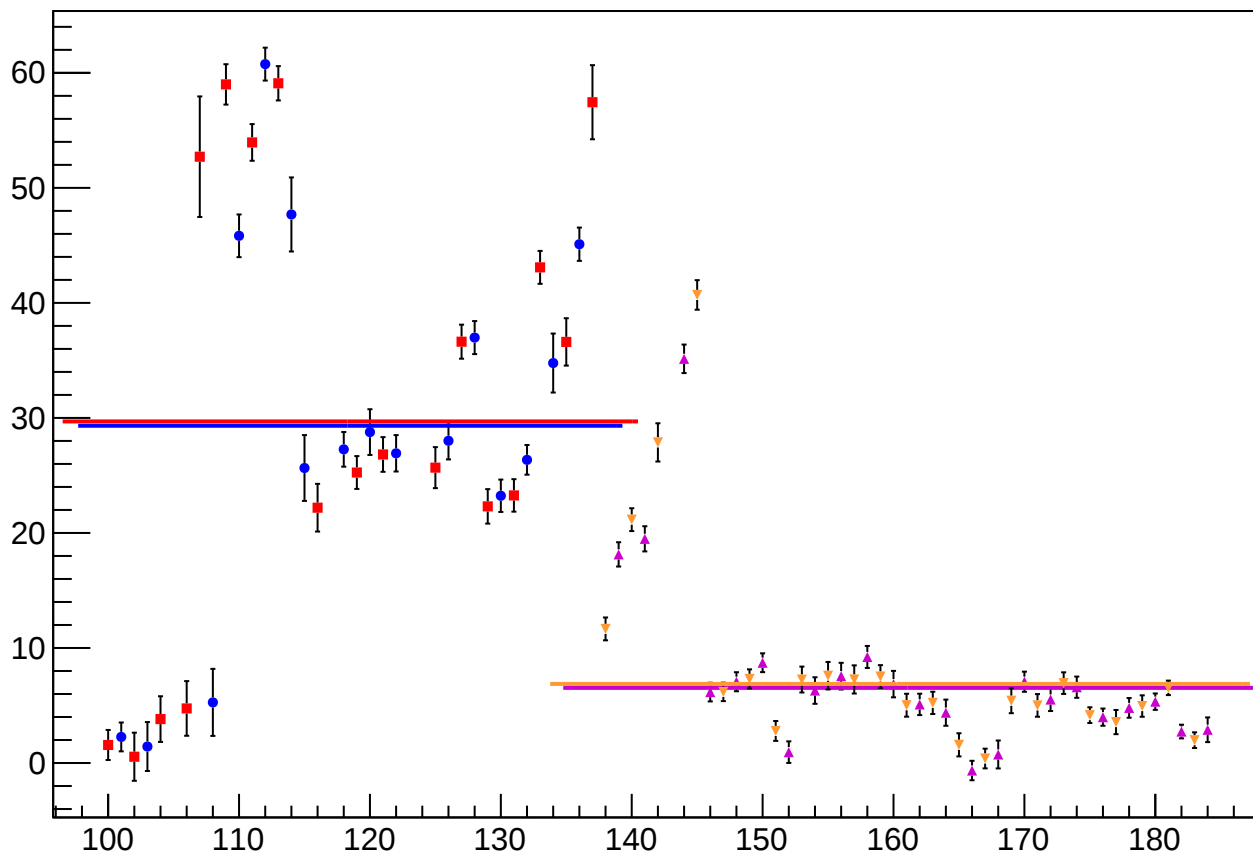
Right: 3.932 ± 0.156 $\chi^2/\text{NDF}: 795.0/33$

In: 2.288 ± 0.124 $\chi^2/\text{NDF}: 648.5/38$

Out: 2.513 ± 0.124 $\chi^2/\text{NDF}: 614.3/40$

All: 2.401 ± 0.087 $\chi^2/\text{NDF}: 1264.5/79$

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.321+/-0.420 χ^2/NDF : 1483.3/15

Left Out: 6.877+/-0.193 χ^2/NDF :1284.5/22

Right Out: 29.696+/-0.403 χ^2/NDF : 2129.0/17

Left In: 6.532+/-0.190 χ^2/NDF :1018.2/22

Left: 6.702+/-0.136 χ^2/NDF : 2304.3/45

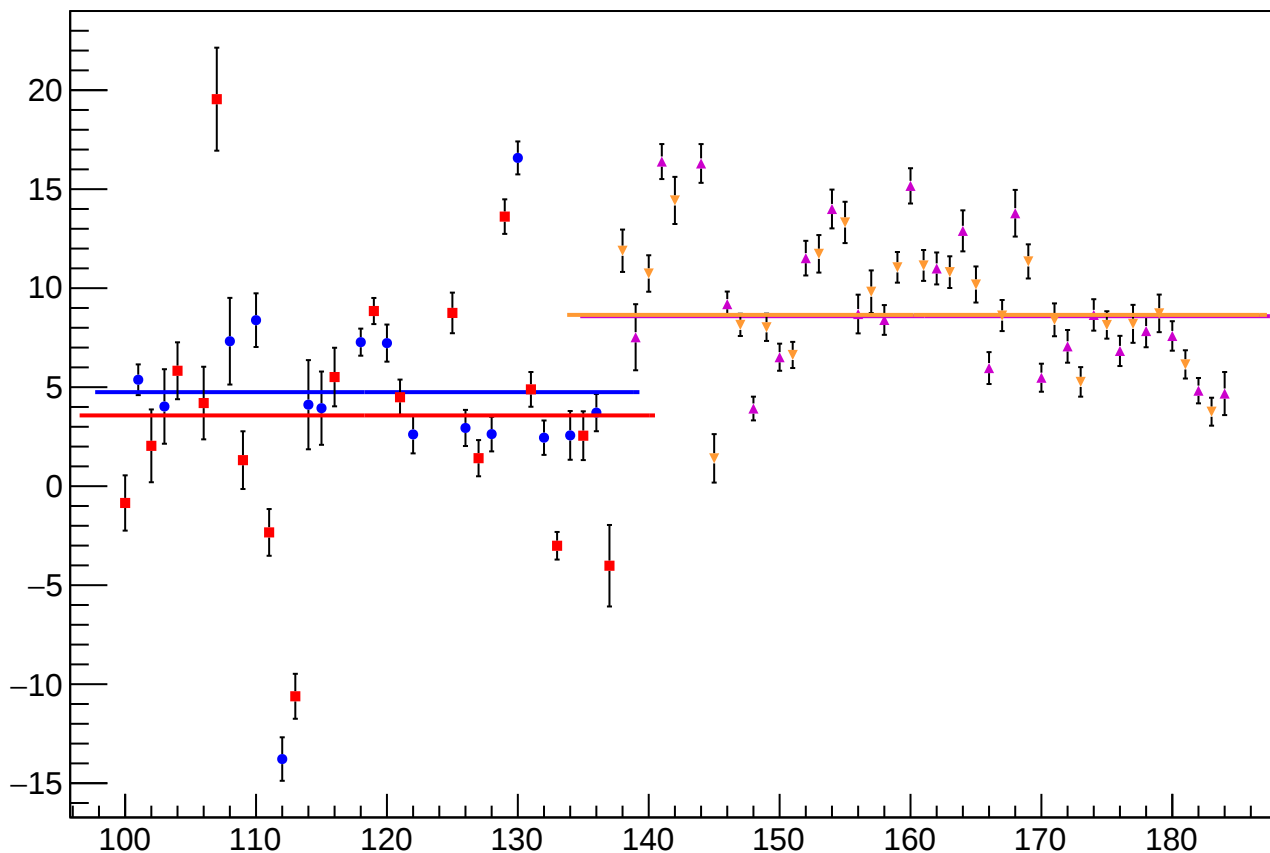
Right: 29.516+/-0.291 χ^2/NDF : 3612.7/33

In: 10.412+/-0.173 χ^2/NDF :4943.7/38

Out: 11.137+/-0.174 χ^2/NDF :6019.5/40

All: 10.773+/-0.123 χ^2/NDF : 10971.9/79

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.749 $\pm$ 0.254 χ^2 /NDF: 543.1/15

Left Out: 8.651 $\pm$ 0.170 χ^2 /NDF:237.3/22

Right Out: 3.573 $\pm$ 0.255 χ^2 /NDF: 570.4/17

Left In: 8.585 $\pm$ 0.170 χ^2 /NDF:441.8/22

Left: 8.618 $\pm$ 0.120 χ^2 /NDF: 679.2/45

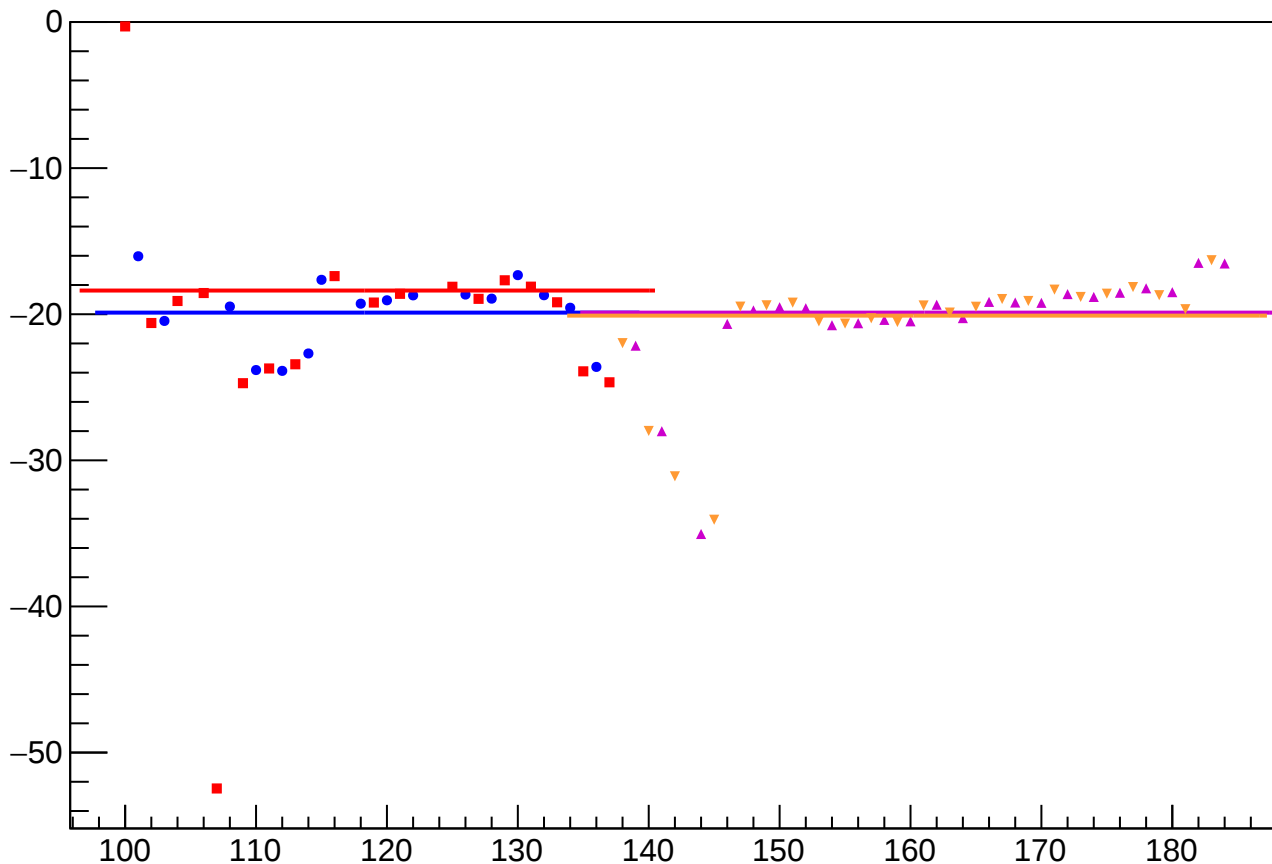
Right: 4.162 $\pm$ 0.180 χ^2 /NDF: 1124.1/33

In: 7.400 $\pm$ 0.141 χ^2 /NDF:1142.0/38

Out: 7.080 $\pm$ 0.142 χ^2 /NDF:1082.4/40

All: 7.240 $\pm$ 0.100 χ^2 /NDF: 2227.0/79

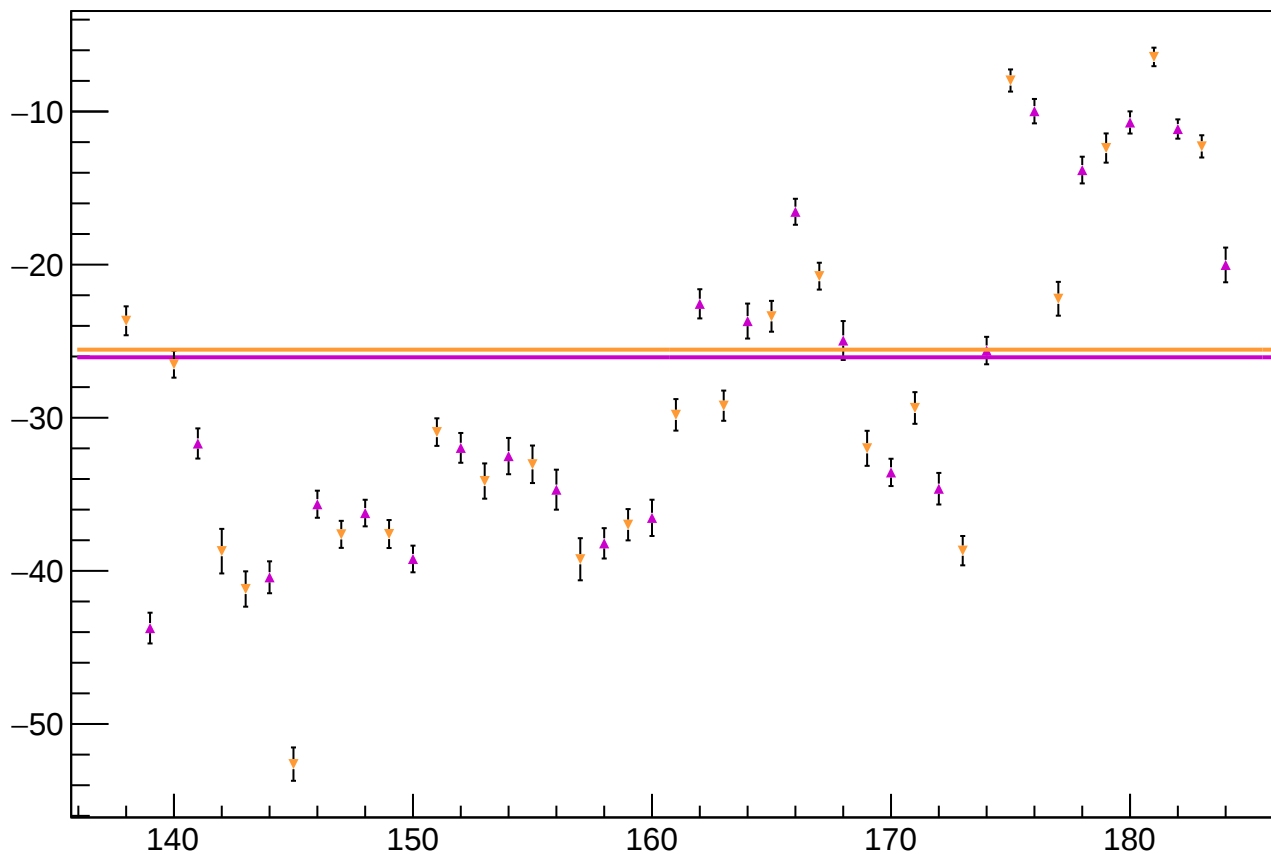
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26008.9/15$
 Left Out: -20.095 ± 0.008 $\chi^2/\text{NDF}: 166231.1/22$
 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: -19.991 ± 0.006 $\chi^2/\text{NDF}: 310620.1/45$
 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: -19.706 ± 0.007 $\chi^2/\text{NDF}: 477693.2/40$
 All: -19.798 ± 0.005 $\chi^2/\text{NDF}: 648102.1/79$

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: -25.552+/-0.194 χ^2/NDF : 4022.6/23

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: -25.801+/-0.137 χ^2/NDF : 7305.4/46

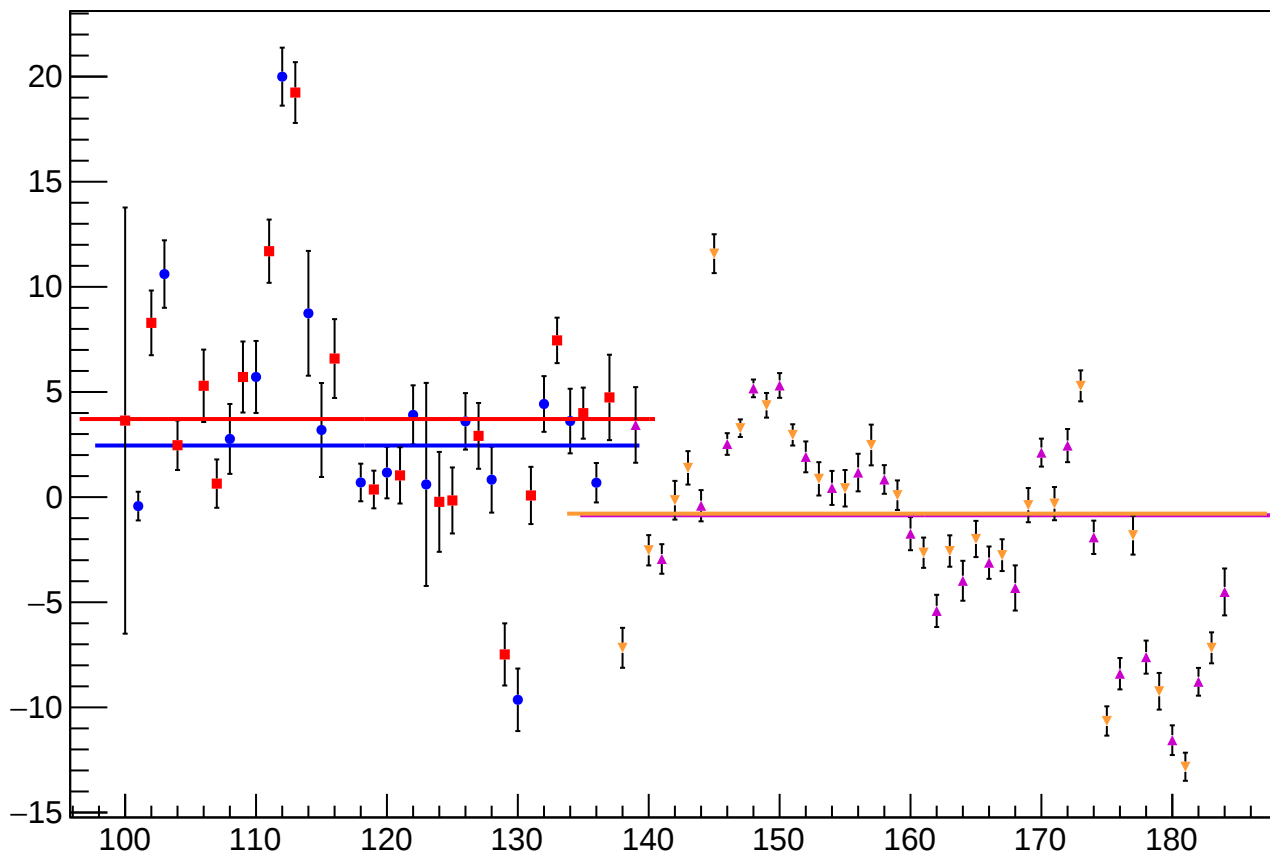
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -26.052+/-0.195 χ^2/NDF : 3279.5/22

Out: -25.552+/-0.194 χ^2/NDF : 4022.6/23

All: -25.801+/-0.137 χ^2/NDF : 7305.4/46

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.454 ± 0.315 $\chi^2/\text{NDF}: 294.3/16$

Left Out: -0.786 ± 0.148 $\chi^2/\text{NDF}: 1268.1/23$

Right Out: 3.714 ± 0.327 $\chi^2/\text{NDF}: 269.1/18$

Left In: -0.863 ± 0.150 $\chi^2/\text{NDF}: 1066.5/22$

Left: -0.824 ± 0.105 $\chi^2/\text{NDF}: 2334.7/46$

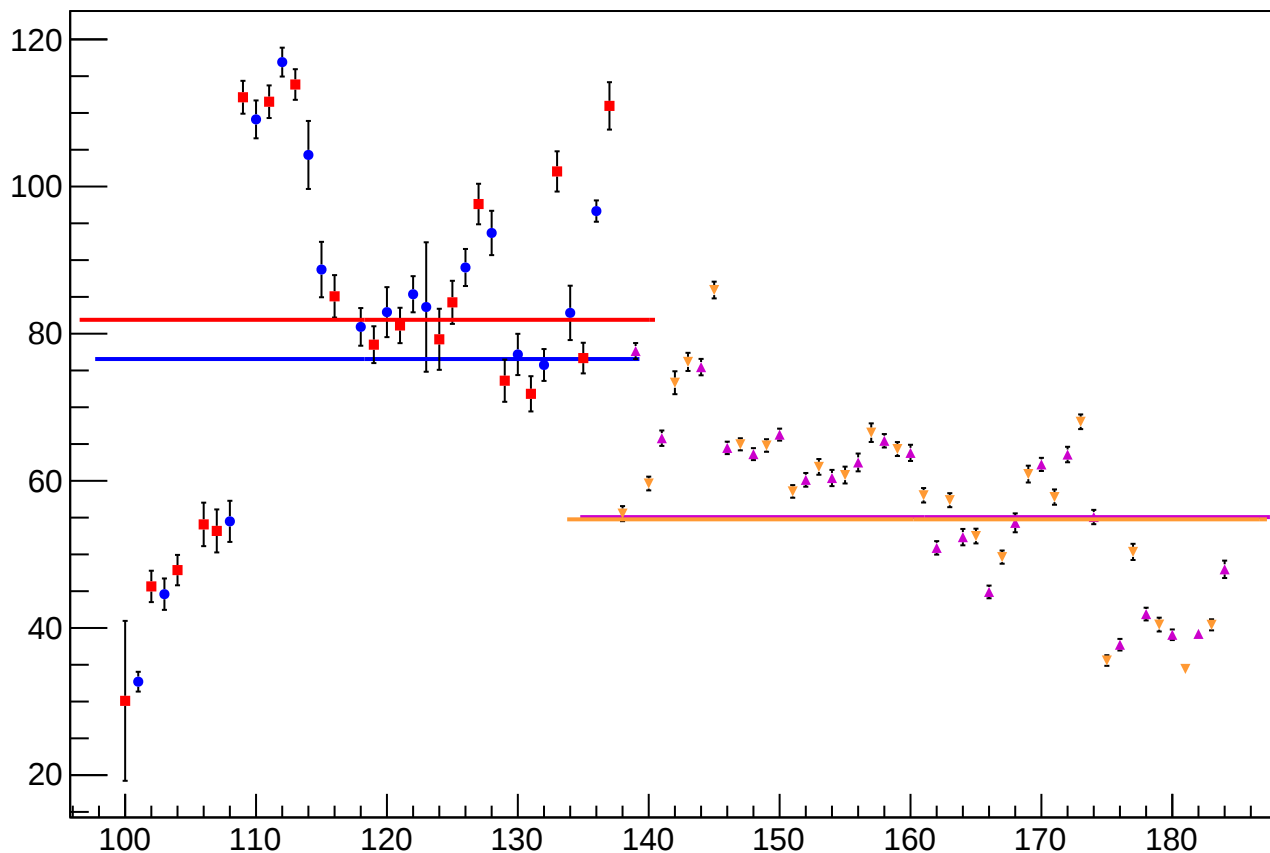
Right: 3.061 ± 0.227 $\chi^2/\text{NDF}: 571.1/35$

In: -0.247 ± 0.136 $\chi^2/\text{NDF}: 1451.2/39$

Out: -0.024 ± 0.134 $\chi^2/\text{NDF}: 1694.6/42$

All: -0.134 ± 0.096 $\chi^2/\text{NDF}: 3147.2/82$

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: 54.765 $\pm$ 0.193 χ^2 /NDF: 4424.5/23

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: 54.918 $\pm$ 0.137 χ^2 /NDF: 8128.5/46

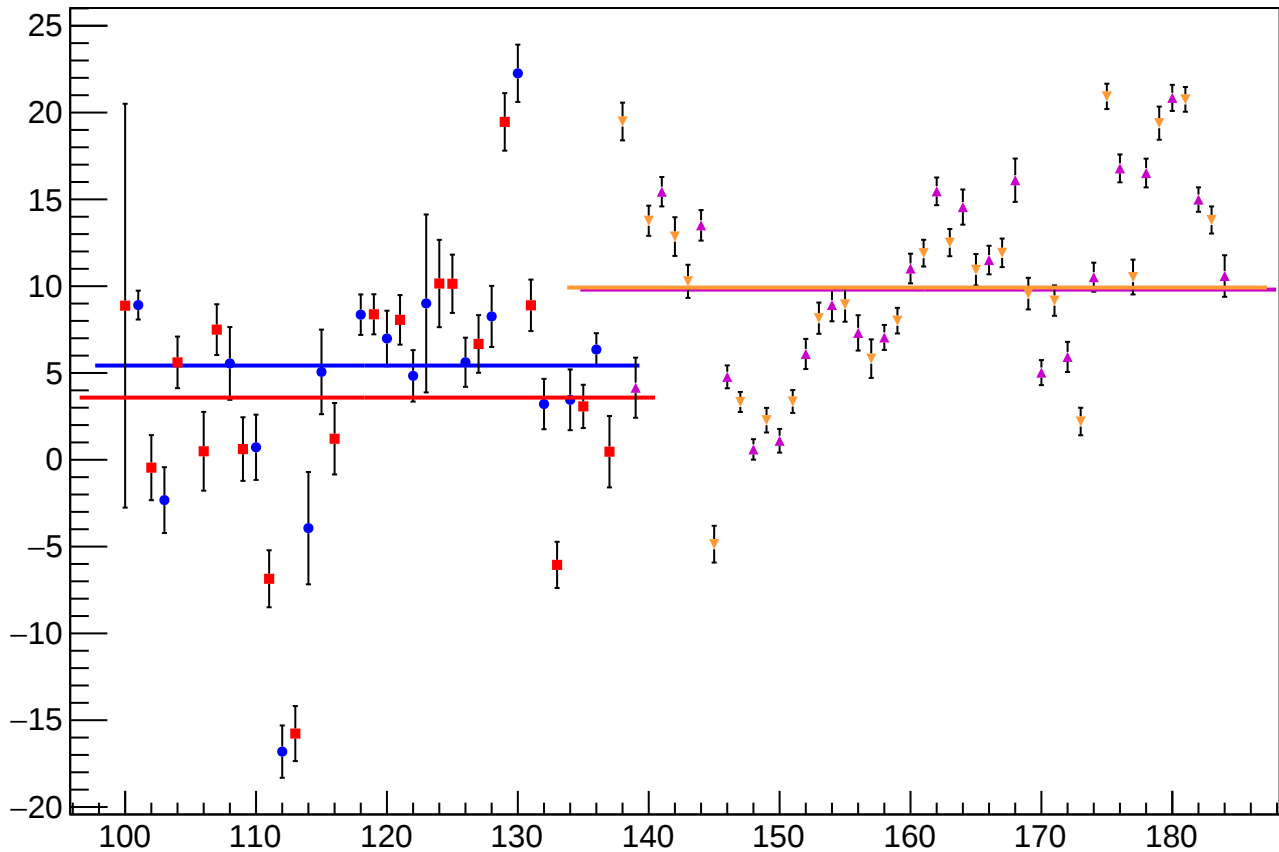
Right: 79.147 $\pm$ 0.413 χ^2 /NDF: 3865.1/35

In: 57.242 $\pm$ 0.183 χ^2 /NDF: 7202.2/39

Out: 57.373 $\pm$ 0.184 χ^2 /NDF: 7886.7/42

All: 57.307 $\pm$ 0.130 χ^2 /NDF: 15089.1/82

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.428 $\pm$ 0.361 χ^2/NDF : 385.7/16

Left Out: 9.920 $\pm$ 0.169 χ^2/NDF :1372.6/23

Right Out: 3.582 $\pm$ 0.376 χ^2/NDF : 421.6/18

Left In: 9.803 $\pm$ 0.172 χ^2/NDF :1158.7/22

Left: 9.862 $\pm$ 0.121 χ^2/NDF : 2531.6/46

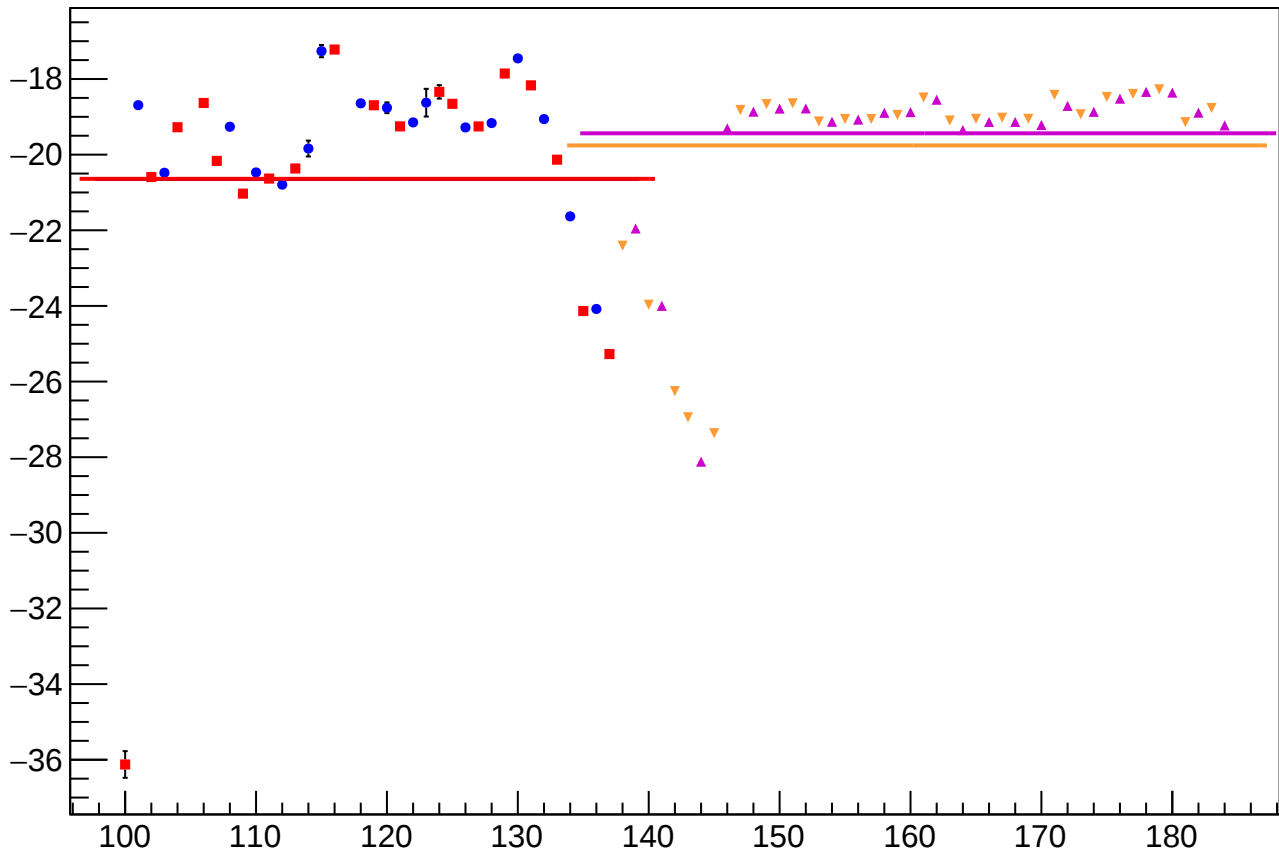
Right: 4.542 $\pm$ 0.260 χ^2/NDF : 819.8/35

In: 8.996 $\pm$ 0.155 χ^2/NDF :1664.3/39

Out: 8.848 $\pm$ 0.154 χ^2/NDF :2030.8/42

All: 8.922 $\pm$ 0.109 χ^2/NDF : 3695.5/82

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12424.2/16$

Left Out: -19.757 ± 0.008 $\chi^2/\text{NDF}: 88237.6/23$

Right Out: -20.640 ± 0.019 $\chi^2/\text{NDF}: 13785.9/18$

Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

Left: -19.595 ± 0.006 $\chi^2/\text{NDF}: 142221.6/46$

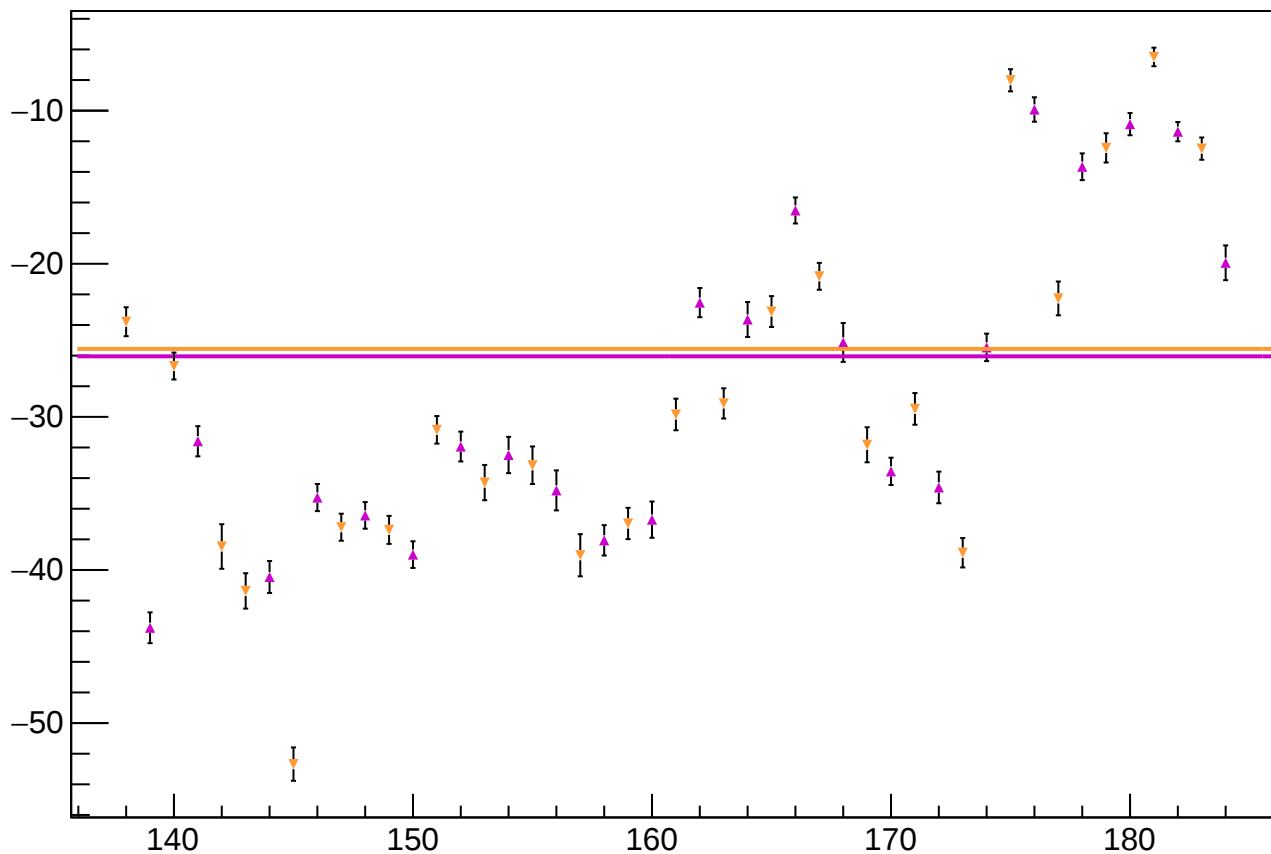
Right: -20.642 ± 0.014 $\chi^2/\text{NDF}: 26210.1/35$

In: -19.610 ± 0.007 $\chi^2/\text{NDF}: 68931.6/39$

Out: -19.884 ± 0.007 $\chi^2/\text{NDF}: 103784.8/42$

All: -19.746 ± 0.005 $\chi^2/\text{NDF}: 173406.5/82$

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: -25.560 $\pm$ 0.194 χ^2 /NDF:3987.7/23

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: -25.802 $\pm$ 0.137 χ^2 /NDF: 7237.5/46

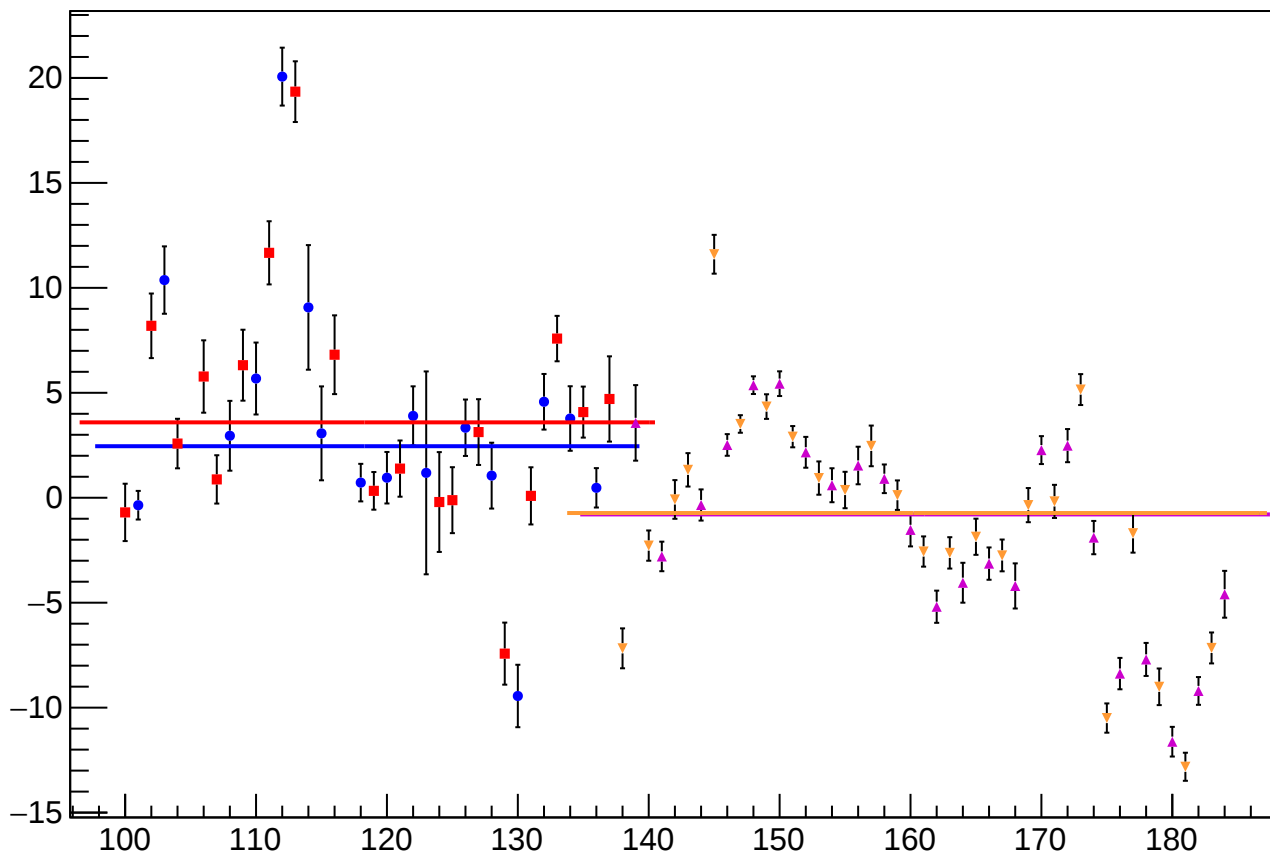
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -26.046 $\pm$ 0.195 χ^2 /NDF:3246.7/22

Out: -25.560 $\pm$ 0.194 χ^2 /NDF:3987.7/23

All: -25.802 $\pm$ 0.137 χ^2 /NDF: 7237.5/46

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 $\pm$ 0.315 χ^2 /NDF: 292.3/16

Left Out: -0.728 $\pm$ 0.148 χ^2 /NDF:1259.6/23

Right Out: 3.592 $\pm$ 0.318 χ^2 /NDF: 280.0/18

Left In: -0.795 $\pm$ 0.151 χ^2 /NDF:1106.3/22

Left: -0.761 $\pm$ 0.105 χ^2 /NDF: 2366.0/46

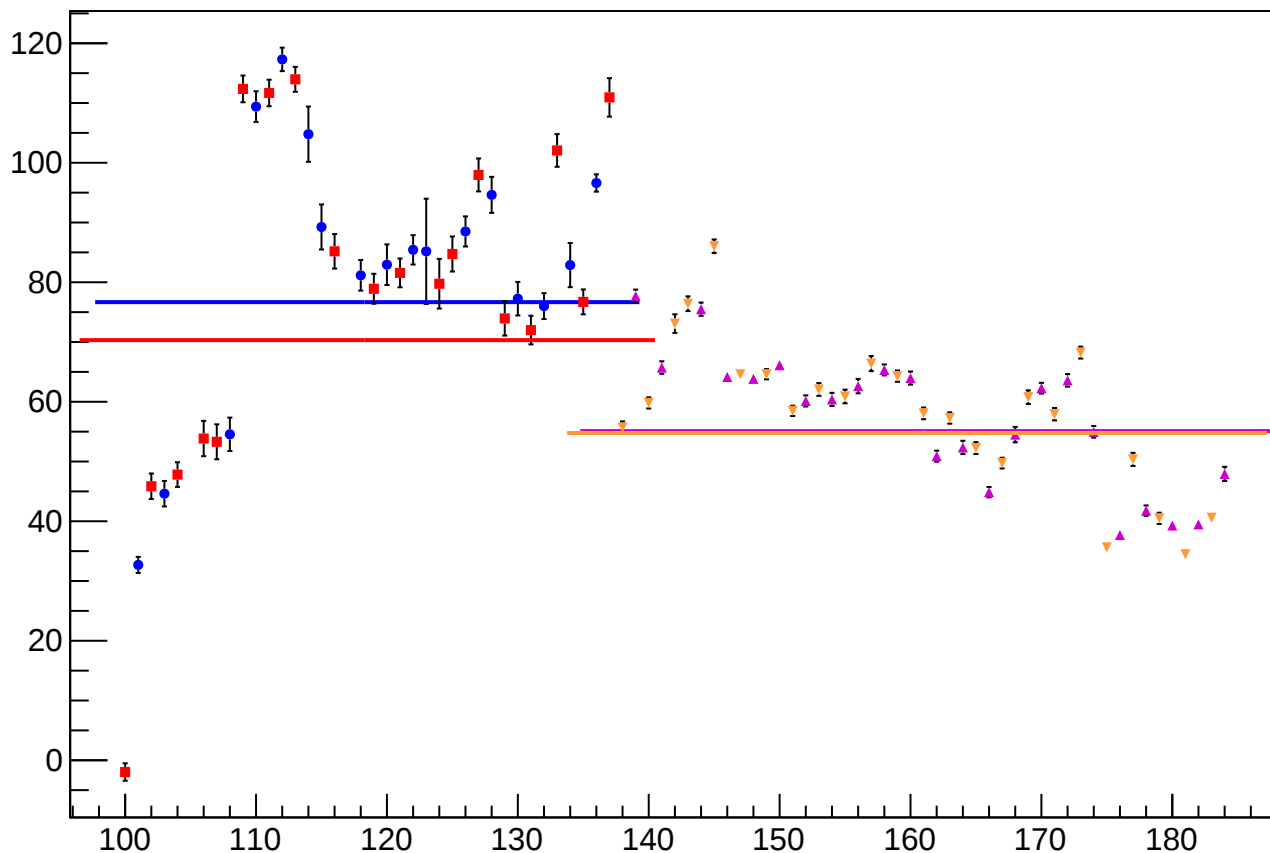
Right: 3.018 $\pm$ 0.224 χ^2 /NDF: 578.8/35

In: -0.191 $\pm$ 0.136 χ^2 /NDF:1485.3/39

Out: 0.038 $\pm$ 0.134 χ^2 /NDF:1691.3/42

All: -0.075 $\pm$ 0.095 χ^2 /NDF: 3178.0/82

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: 54.773 $\pm$ 0.193 χ^2 /NDF: 4400.2/23

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: 54.933 $\pm$ 0.137 χ^2 /NDF: 8066.2/46

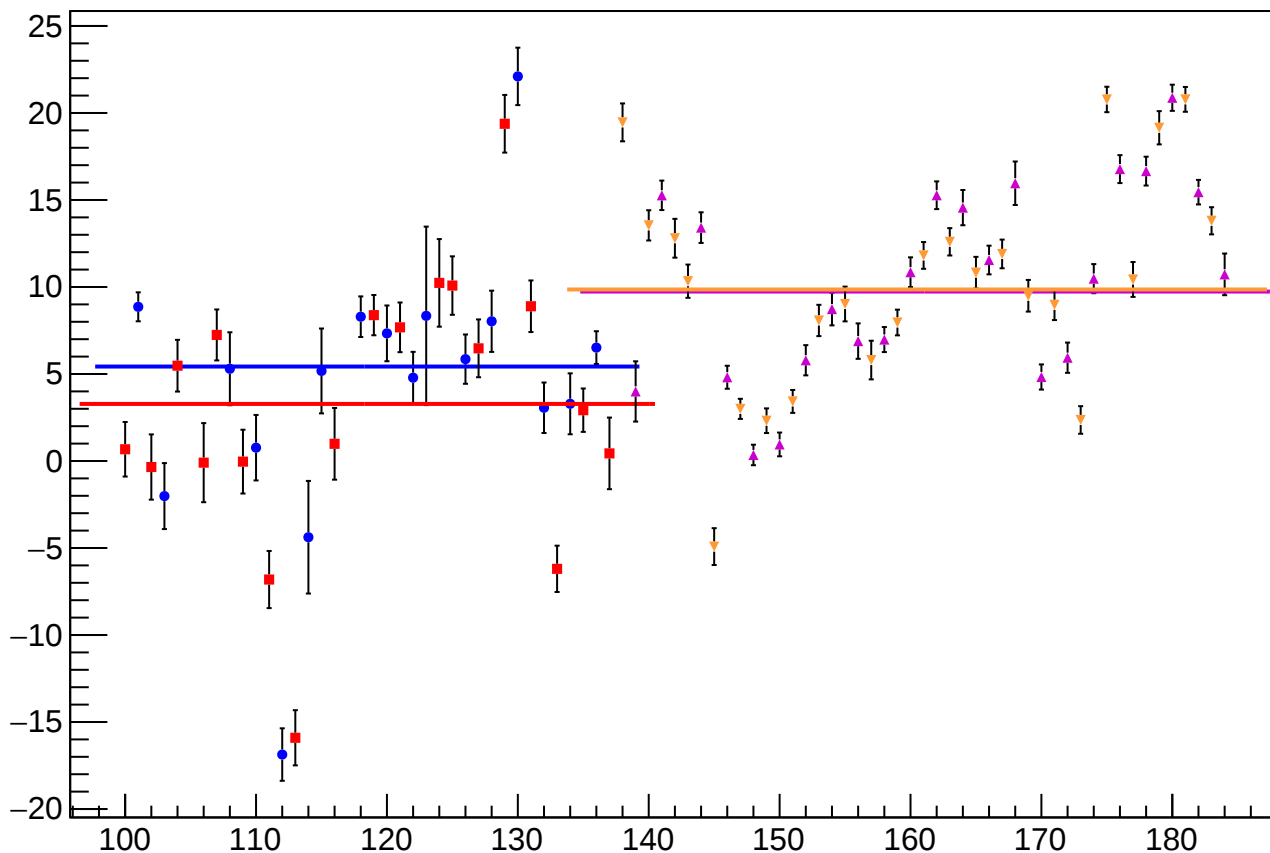
Right: 73.345 $\pm$ 0.398 χ^2 /NDF: 6715.6/35

In: 57.276 $\pm$ 0.184 χ^2 /NDF: 7185.8/39

Out: 56.481 $\pm$ 0.183 χ^2 /NDF: 9497.0/42

All: 56.876 $\pm$ 0.129 χ^2 /NDF: 16692.2/82

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.428 ± 0.361 χ^2/NDF : 384.2/16

Left Out: 9.857 ± 0.169 χ^2/NDF : 1367.1/23

Right Out: 3.280 ± 0.366 χ^2/NDF : 425.0/18

Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

Left: 9.798 ± 0.121 χ^2/NDF : 2558.5/46

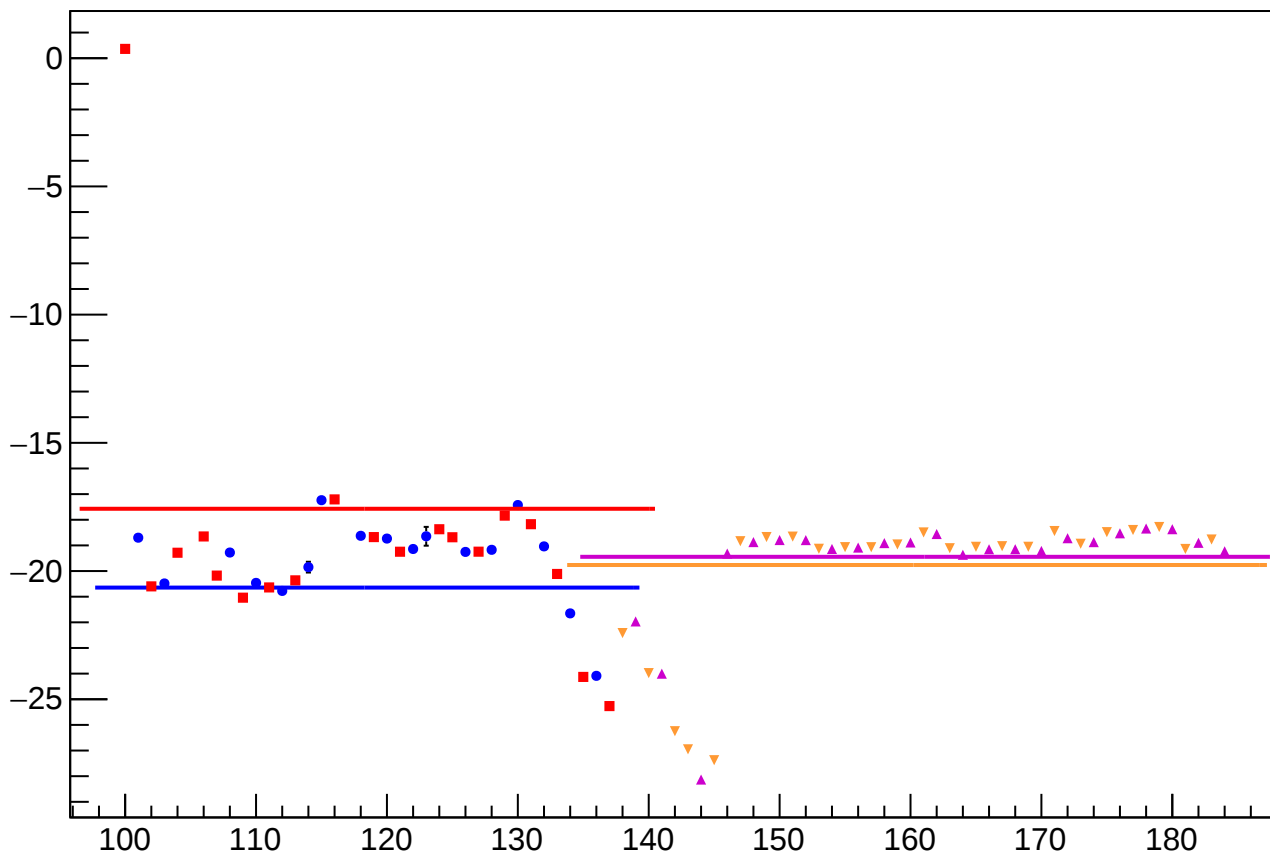
Right: 4.367 ± 0.257 χ^2/NDF : 826.7/35

In: 8.943 ± 0.155 χ^2/NDF : 1691.5/39

Out: 8.693 ± 0.154 χ^2/NDF : 2058.5/42

All: 8.817 ± 0.109 χ^2/NDF : 3751.3/82

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: -19.764 ± 0.008 $\chi^2/\text{NDF}: 88119.3/23$

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: -19.604 ± 0.006 $\chi^2/\text{NDF}: 142047.8/46$

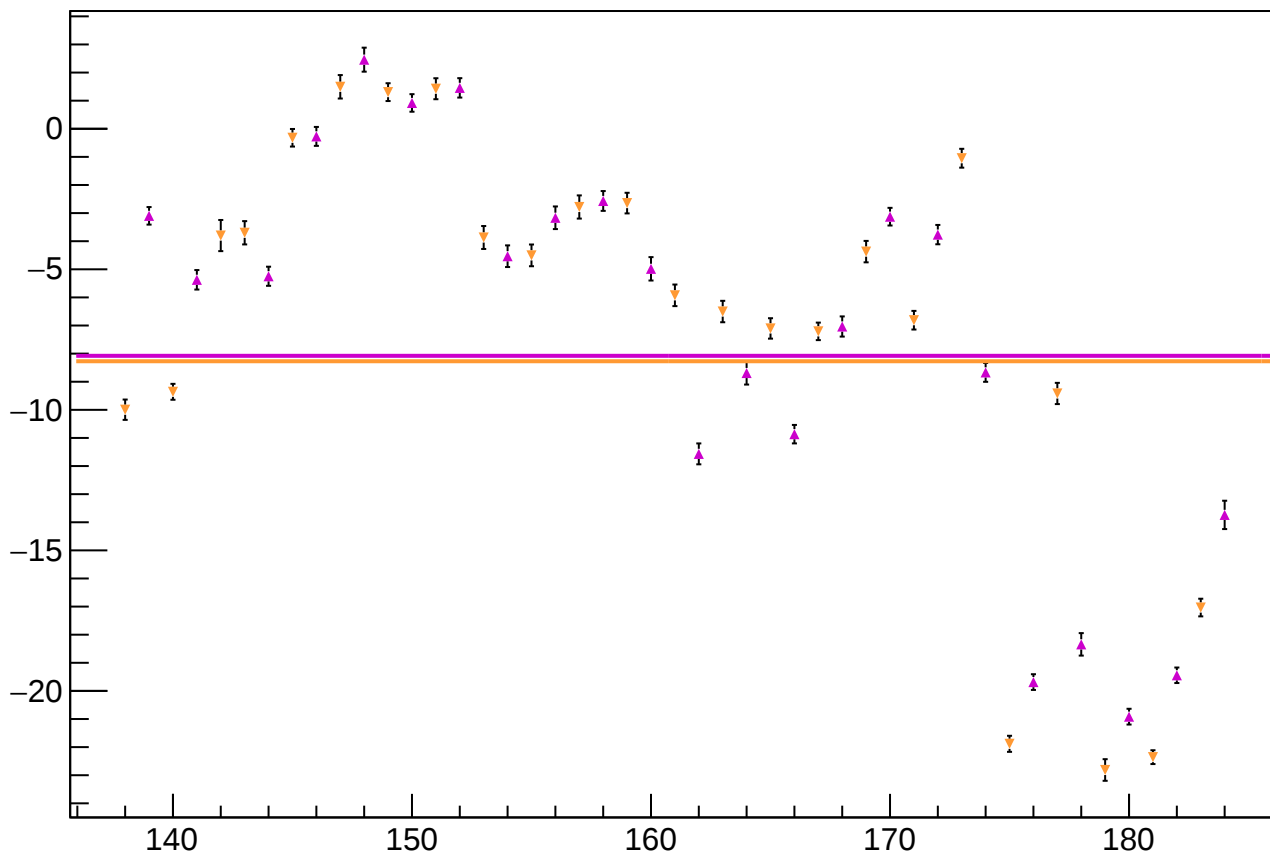
Right: -19.000 ± 0.013 $\chi^2/\text{NDF}: 204267.4/35$

In: -19.618 ± 0.007 $\chi^2/\text{NDF}: 68874.8/39$

Out: -19.405 ± 0.007 $\chi^2/\text{NDF}: 278788.2/42$

All: -19.511 ± 0.005 $\chi^2/\text{NDF}: 348084.6/82$

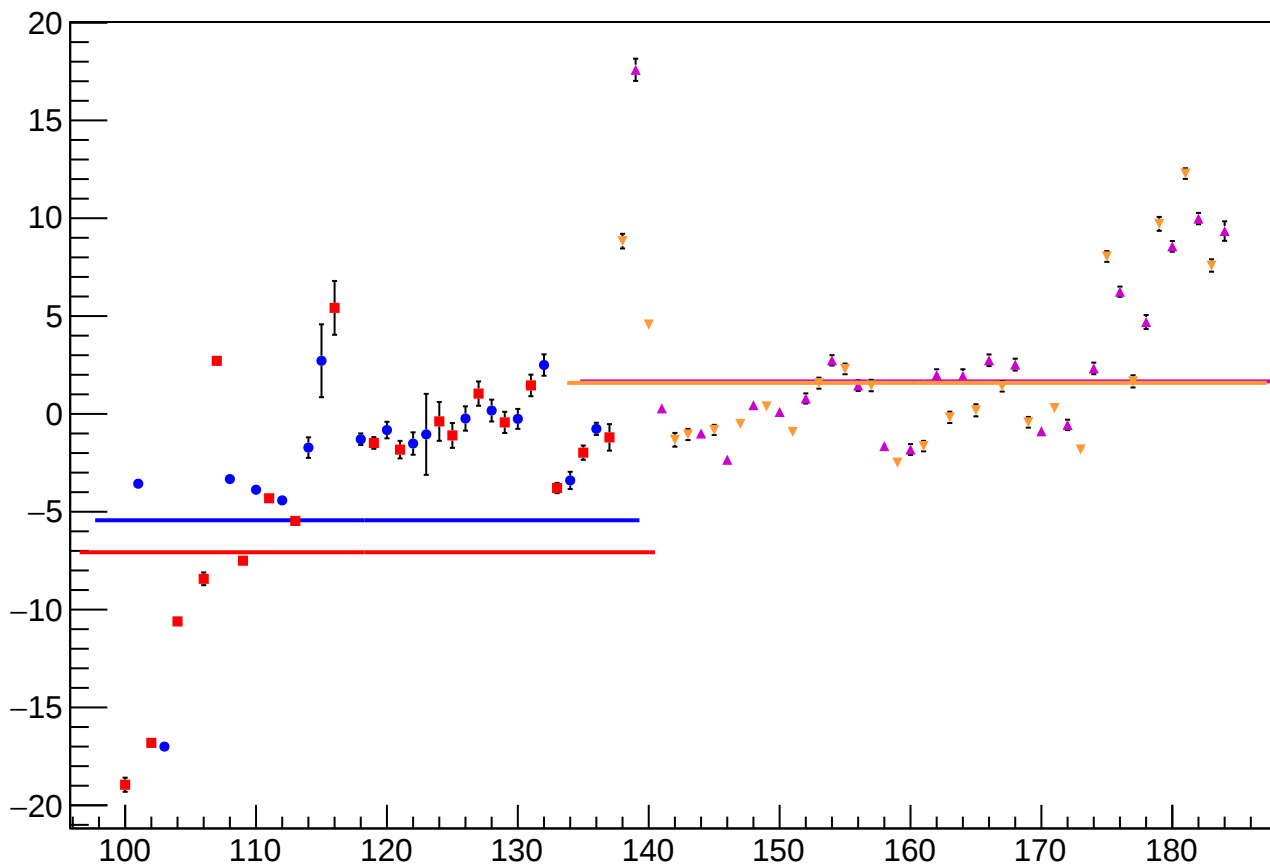
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -8.271 $\pm$ 0.071 χ^2 /NDF:12066.5/23
 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: -8.175 $\pm$ 0.051 χ^2 /NDF: 22611.8/46
 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: -8.271 $\pm$ 0.071 χ^2 /NDF:12066.5/23
 All: -8.175 $\pm$ 0.051 χ^2 /NDF: 22611.8/46

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: 1.587 ± 0.055 χ^2/NDF : 4753.3/23

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: 1.624 ± 0.039 χ^2/NDF : 8788.3/46

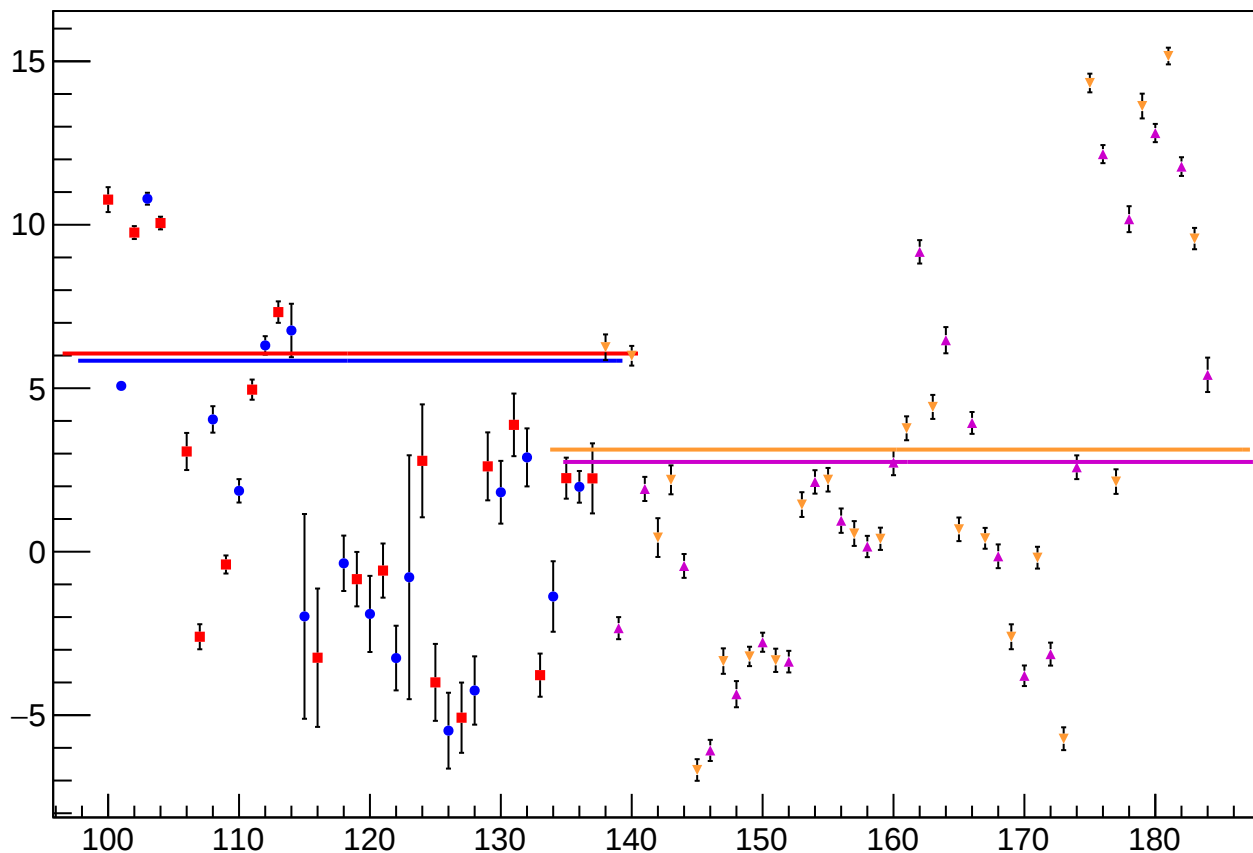
Right: -6.194 ± 0.040 χ^2/NDF : 21932.5/35

In: -1.994 ± 0.039 χ^2/NDF : 21368.8/39

Out: -2.429 ± 0.040 χ^2/NDF : 28577.6/42

All: -2.207 ± 0.028 χ^2/NDF : 50006.0/82

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: 3.124 $\pm$ 0.071 χ^2 /NDF: 8280.4/23

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: 2.935 $\pm$ 0.050 χ^2 /NDF: 15477.6/46

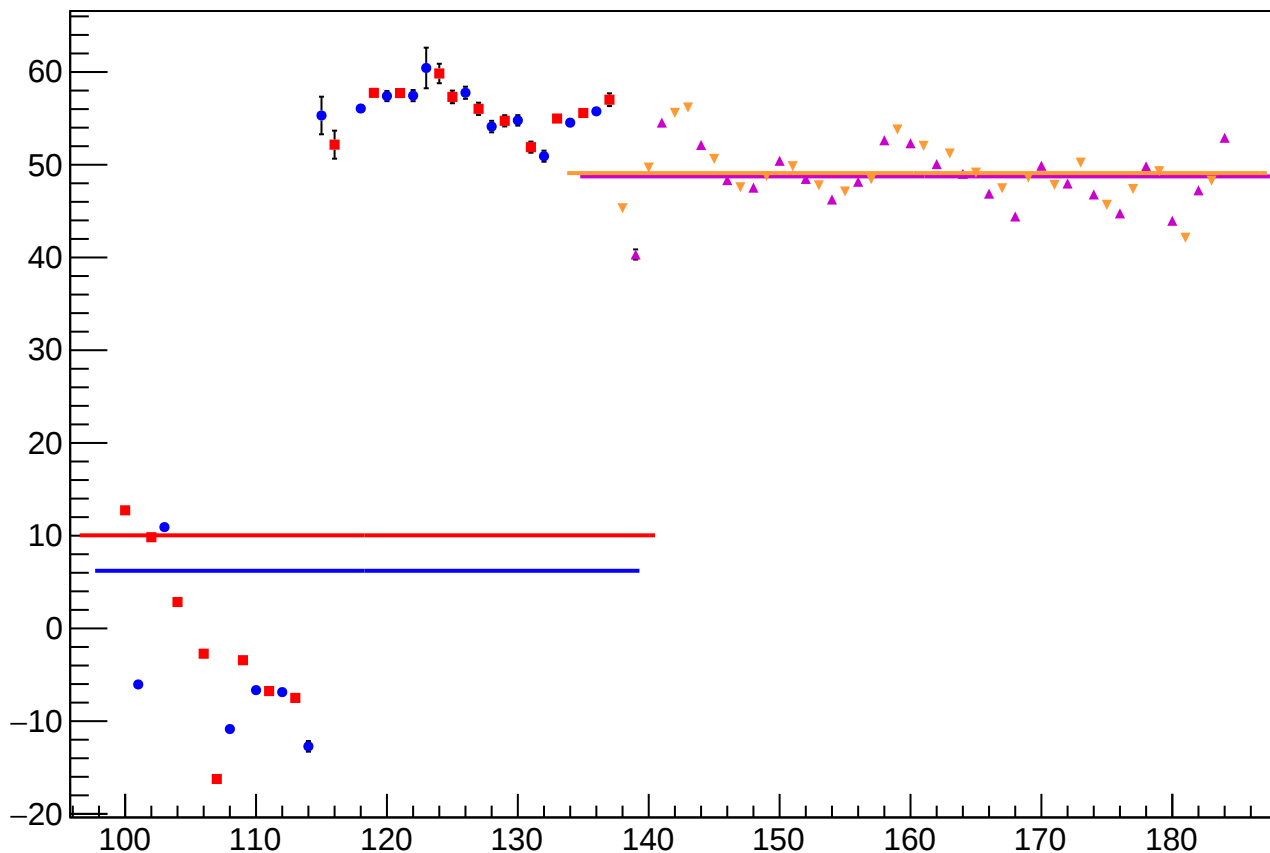
Right: 5.947 $\pm$ 0.065 χ^2 /NDF: 4104.0/35

In: 3.947 $\pm$ 0.056 χ^2 /NDF: 9348.7/39

Out: 4.201 $\pm$ 0.057 χ^2 /NDF: 11572.3/42

All: 4.073 $\pm$ 0.040 χ^2 /NDF: 20931.2/82

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: 49.099 ± 0.062 $\chi^2/\text{NDF}: 2155.3/23$

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: 48.925 ± 0.045 $\chi^2/\text{NDF}: 4268.8/46$

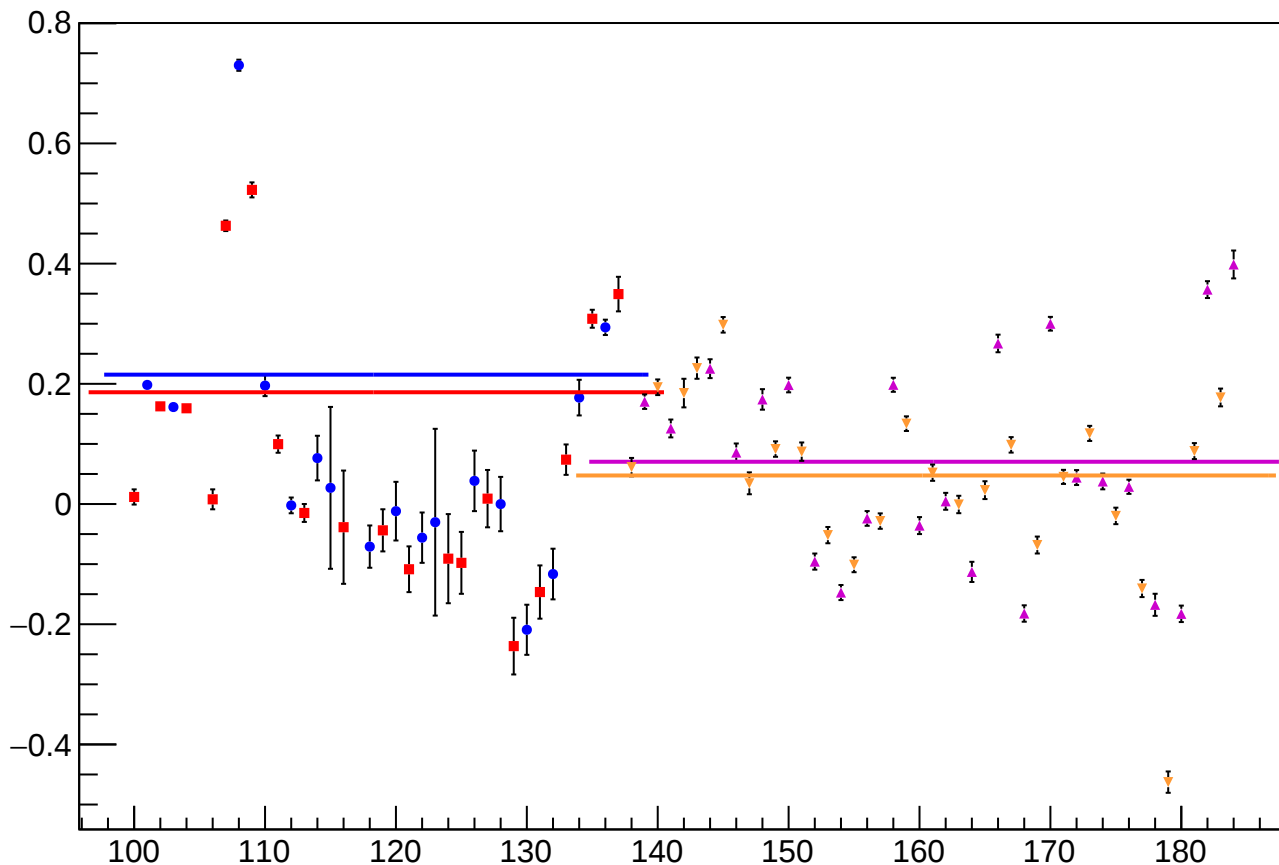
Right: 7.989 ± 0.048 $\chi^2/\text{NDF}: 243936.5/35$

In: 27.842 ± 0.045 $\chi^2/\text{NDF}: 341306.7/39$

Out: 31.737 ± 0.047 $\chi^2/\text{NDF}: 298006.4/42$

All: 29.746 ± 0.033 $\chi^2/\text{NDF}: 642899.5/82$

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 $\pm$ 0.003 χ^2 /NDF: 3923.9/16

Left Out: 0.048 $\pm$ 0.003 χ^2 /NDF:2175.4/23

Right Out: 0.186 $\pm$ 0.003 χ^2 /NDF: 2715.5/18

Left In: 0.070 $\pm$ 0.003 χ^2 /NDF:3233.8/22

Left: 0.059 $\pm$ 0.002 χ^2 /NDF: 5440.9/46

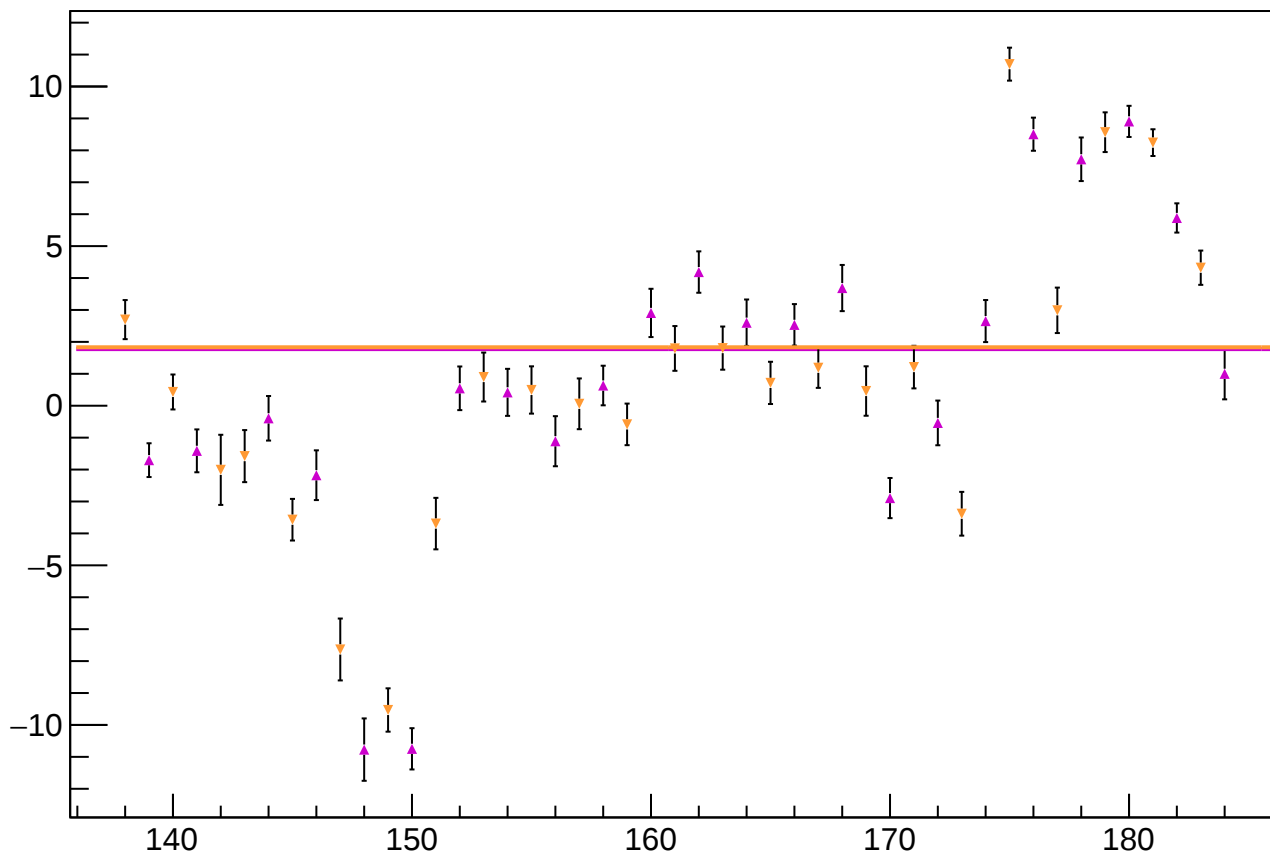
Right: 0.200 $\pm$ 0.002 χ^2 /NDF: 6697.0/35

In: 0.145 $\pm$ 0.002 χ^2 /NDF:8480.6/39

Out: 0.121 $\pm$ 0.002 χ^2 /NDF:6135.0/42

All: 0.133 $\pm$ 0.001 χ^2 /NDF: 14690.5/82

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: 1.831 $\pm$ 0.134 χ^2 /NDF:1289.4/23

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: 1.802 $\pm$ 0.095 χ^2 /NDF: 2586.8/46

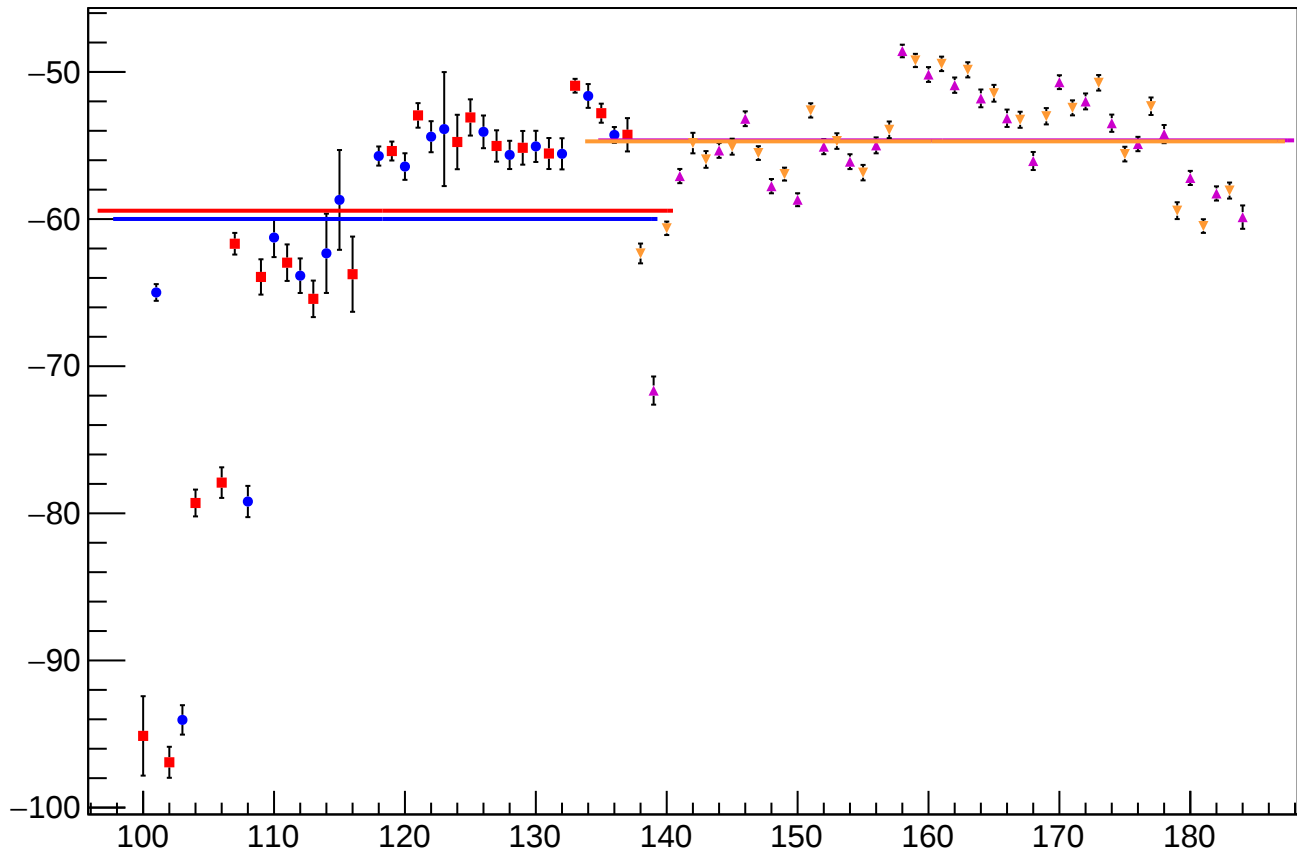
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 1.774 $\pm$ 0.135 χ^2 /NDF:1297.3/22

Out: 1.831 $\pm$ 0.134 χ^2 /NDF:1289.4/23

All: 1.802 $\pm$ 0.095 χ^2 /NDF: 2586.8/46

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.993 $\pm$ 0.225 χ^2/NDF : 1973.4/16

Left Out: -54.717 $\pm$ 0.107 χ^2/NDF : 1123.1/23

Right Out: -59.431 $\pm$ 0.212 χ^2/NDF : 2920.1/18

Left In: -54.650 $\pm$ 0.110 χ^2/NDF : 1077.1/22

Left: -54.684 $\pm$ 0.077 χ^2/NDF : 2200.4/46

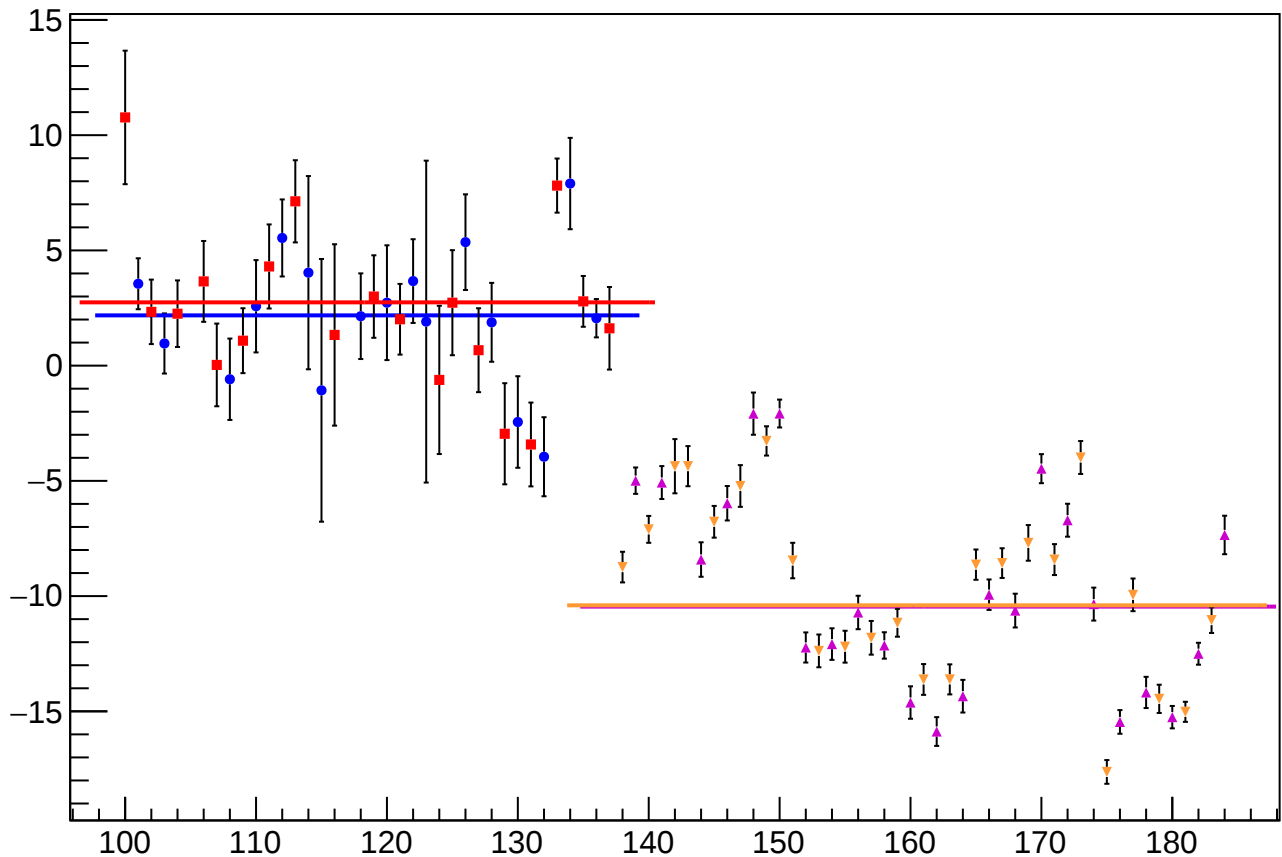
Right: -59.696 $\pm$ 0.154 χ^2/NDF : 4896.8/35

In: -55.676 $\pm$ 0.099 χ^2/NDF : 3505.4/39

Out: -55.670 $\pm$ 0.095 χ^2/NDF : 4437.2/42

All: -55.673 $\pm$ 0.069 χ^2/NDF : 7942.6/82

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.2/16$

Left Out: -10.400 ± 0.134 $\chi^2/\text{NDF}: 845.0/23$

Right Out: 2.746 ± 0.388 $\chi^2/\text{NDF}: 58.7/18$

Left In: -10.456 ± 0.135 $\chi^2/\text{NDF}: 1002.7/22$

Left: -10.428 ± 0.095 $\chi^2/\text{NDF}: 1847.8/46$

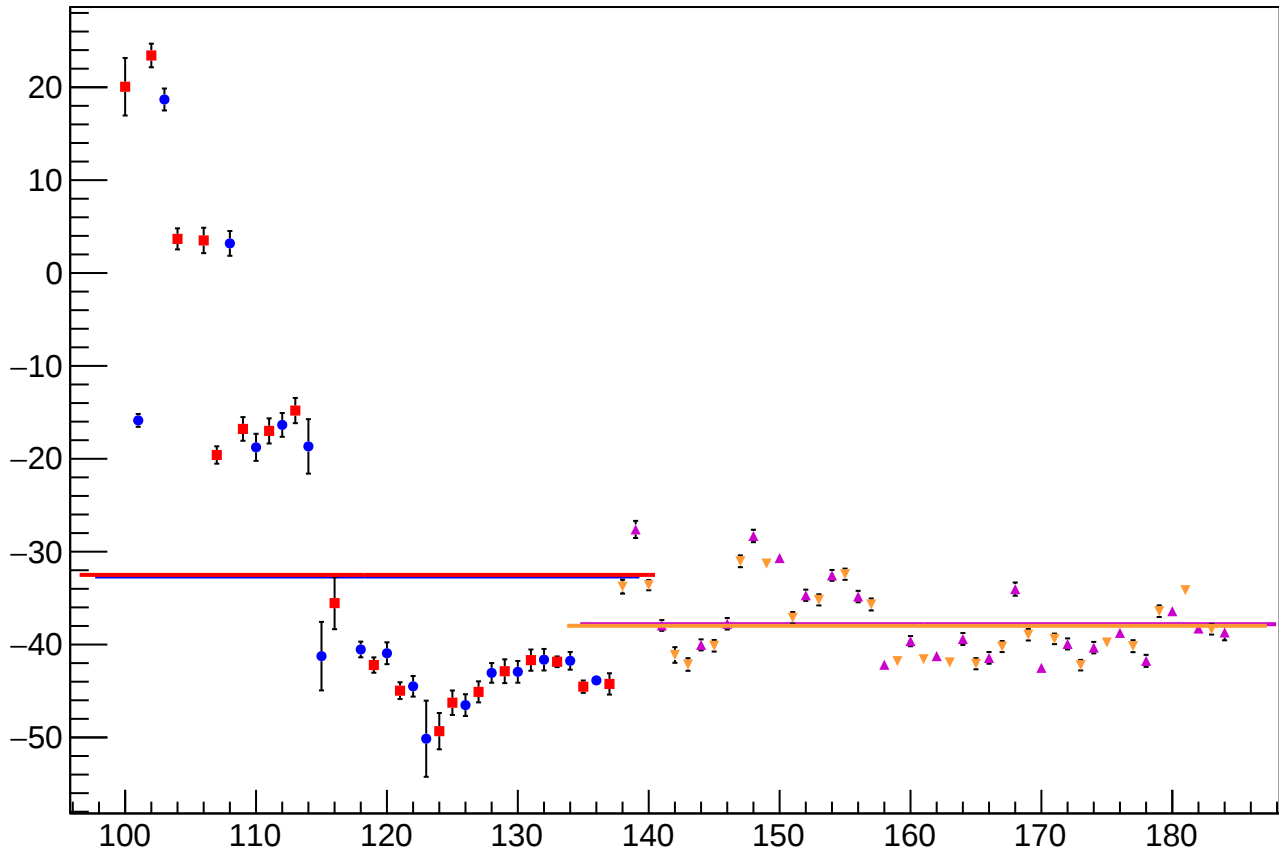
Right: 2.476 ± 0.281 $\chi^2/\text{NDF}: 98.8/35$

In: -9.204 ± 0.128 $\chi^2/\text{NDF}: 1914.3/39$

Out: -8.998 ± 0.127 $\chi^2/\text{NDF}: 1926.8/42$

All: -9.100 ± 0.090 $\chi^2/\text{NDF}: 3842.4/82$

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: -37.981 ± 0.120 $\chi^2/\text{NDF}: 937.1/23$

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: -37.897 ± 0.086 $\chi^2/\text{NDF}: 1978.0/46$

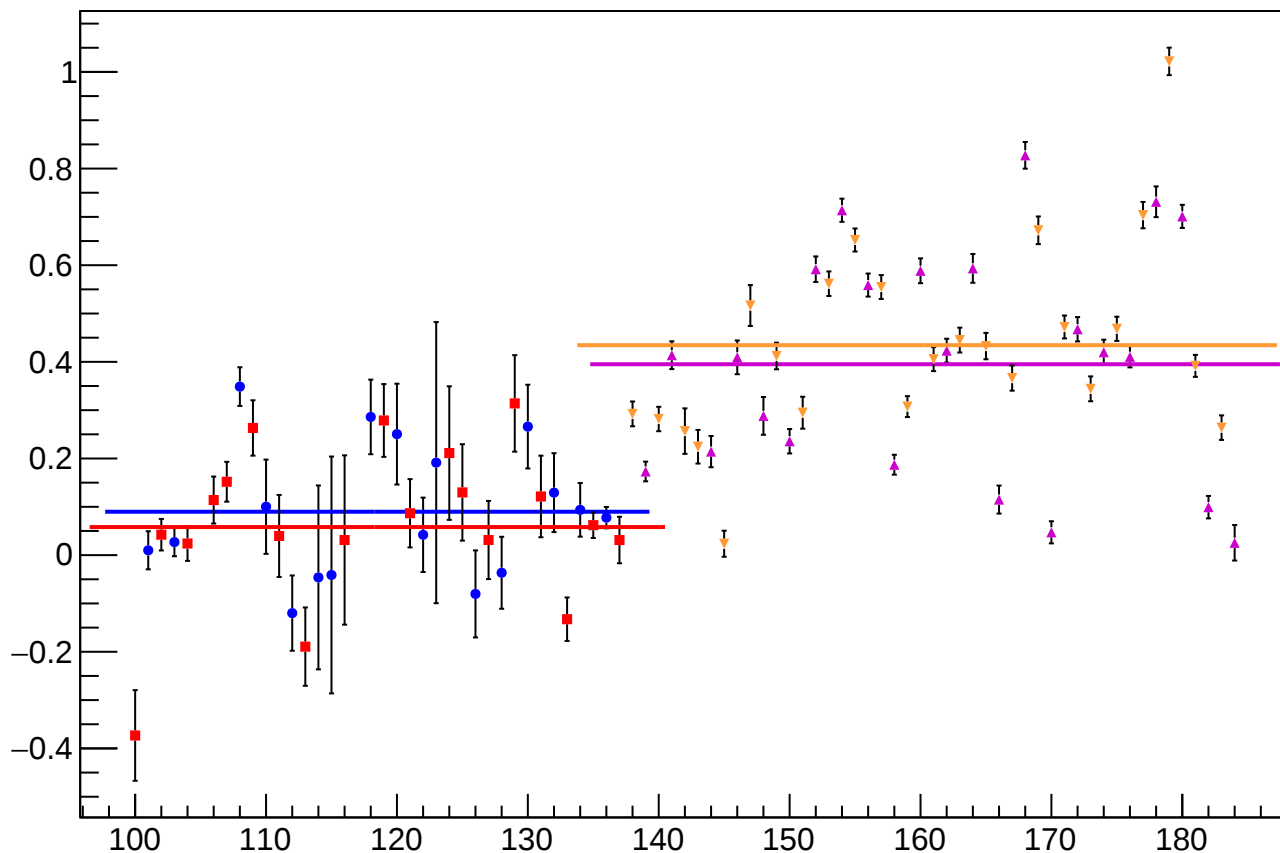
Right: -32.582 ± 0.177 $\chi^2/\text{NDF}: 10685.8/35$

In: -36.854 ± 0.110 $\chi^2/\text{NDF}: 6010.4/39$

Out: -36.916 ± 0.108 $\chi^2/\text{NDF}: 7385.5/42$

All: -36.886 ± 0.077 $\chi^2/\text{NDF}: 13396.0/82$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 $\pm$ 0.013 χ^2 /NDF: 79.1/16

Left Out: 0.435 $\pm$ 0.005 χ^2 /NDF:1205.9/23

Right Out: 0.058 $\pm$ 0.012 χ^2 /NDF: 87.0/18

Left In: 0.395 $\pm$ 0.005 χ^2 /NDF:1798.2/22

Left: 0.415 $\pm$ 0.004 χ^2 /NDF: 3030.4/46

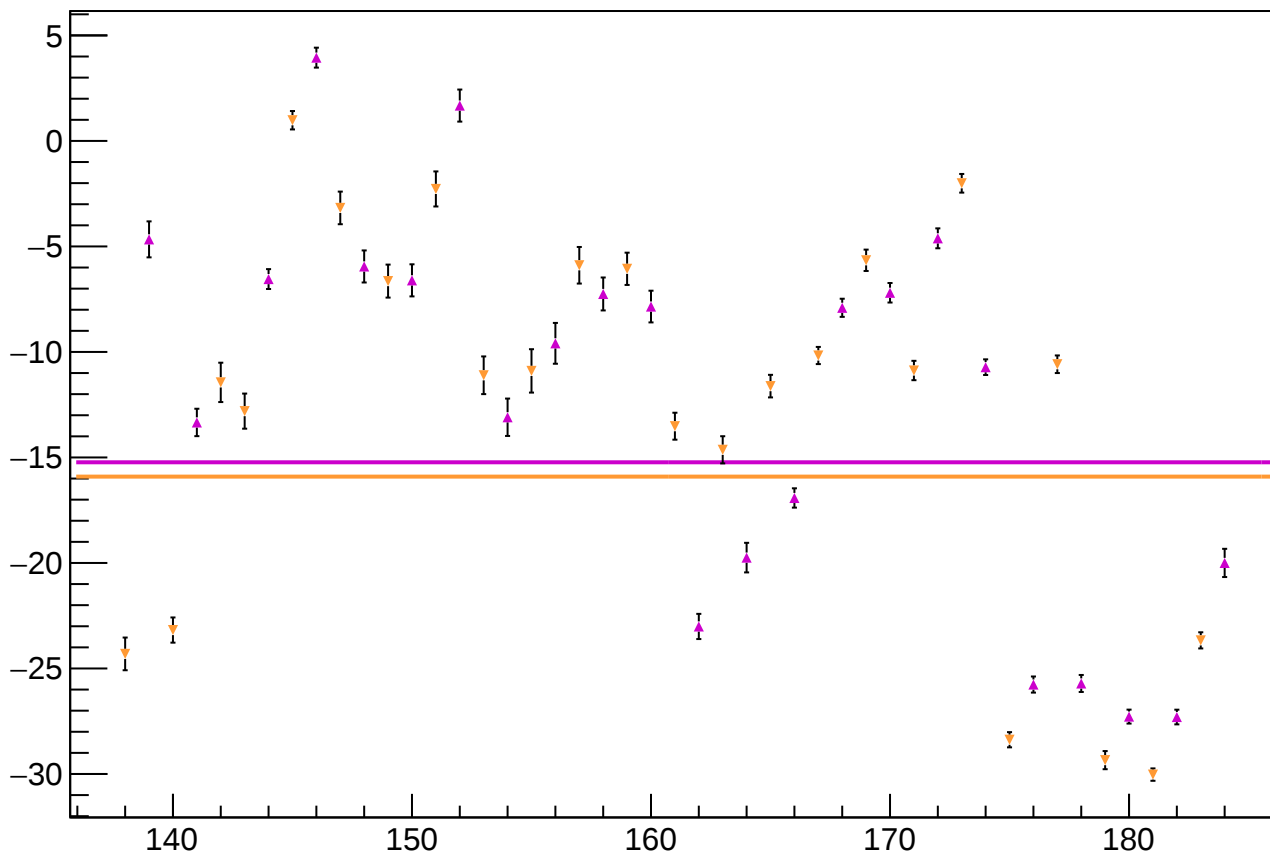
Right: 0.073 $\pm$ 0.009 χ^2 /NDF: 169.3/35

In: 0.348 $\pm$ 0.005 χ^2 /NDF:2362.5/39

Out: 0.372 $\pm$ 0.005 χ^2 /NDF:2089.1/42

All: 0.360 $\pm$ 0.004 χ^2 /NDF: 4462.7/82

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: -15.908 $\pm$ 0.107 χ^2 /NDF:9700.4/23
 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: -15.569 $\pm$ 0.075 χ^2 /NDF: 18378.0/46

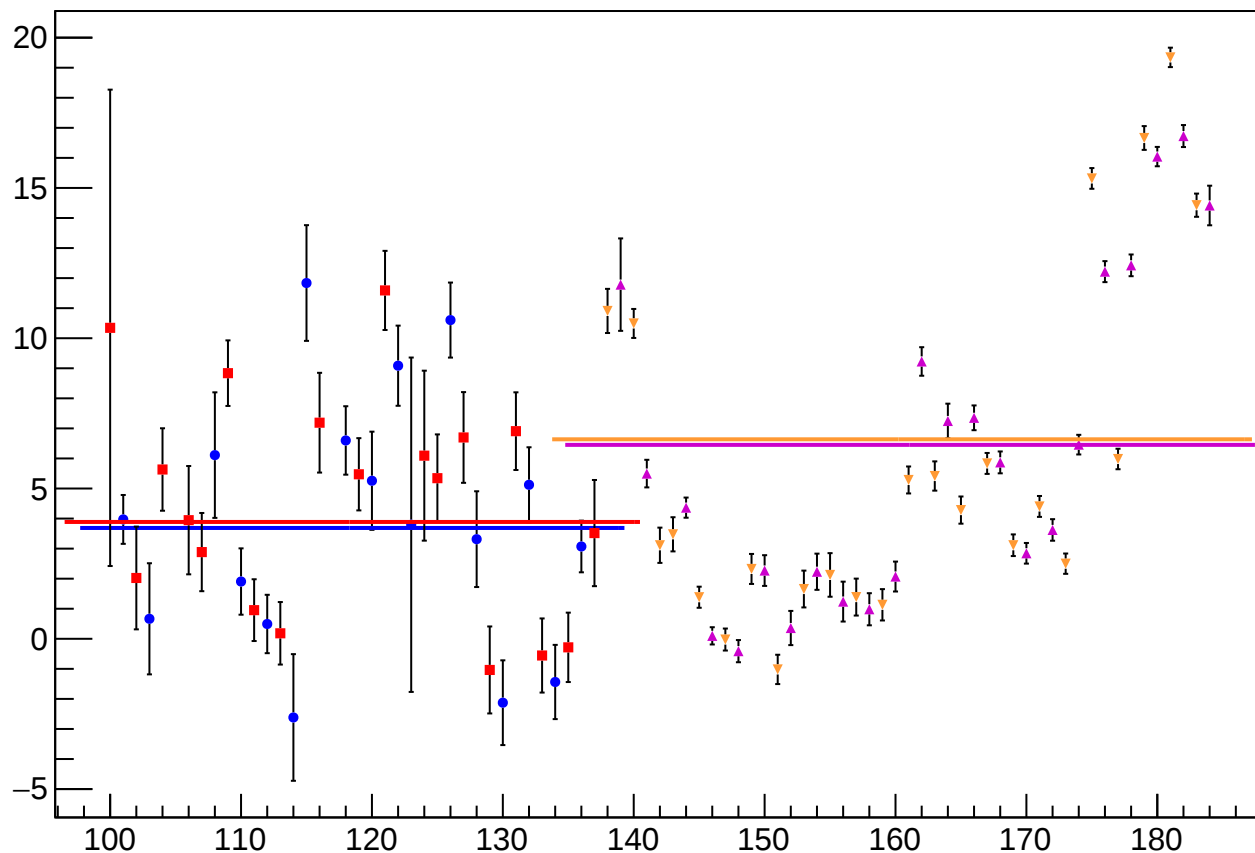
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -15.229 $\pm$ 0.107 χ^2 /NDF:8657.3/22

Out: -15.908 $\pm$ 0.107 χ^2 /NDF:9700.4/23

All: -15.569 $\pm$ 0.075 χ^2 /NDF: 18378.0/46

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.687 ± 0.311 χ^2/NDF : 135.1/16

Left Out: 6.637 ± 0.087 χ^2/NDF : 4897.8/23

Right Out: 3.887 ± 0.317 χ^2/NDF : 133.7/18

Left In: 6.452 ± 0.086 χ^2/NDF : 3948.0/22

Left: 6.544 ± 0.061 χ^2/NDF : 8848.1/46

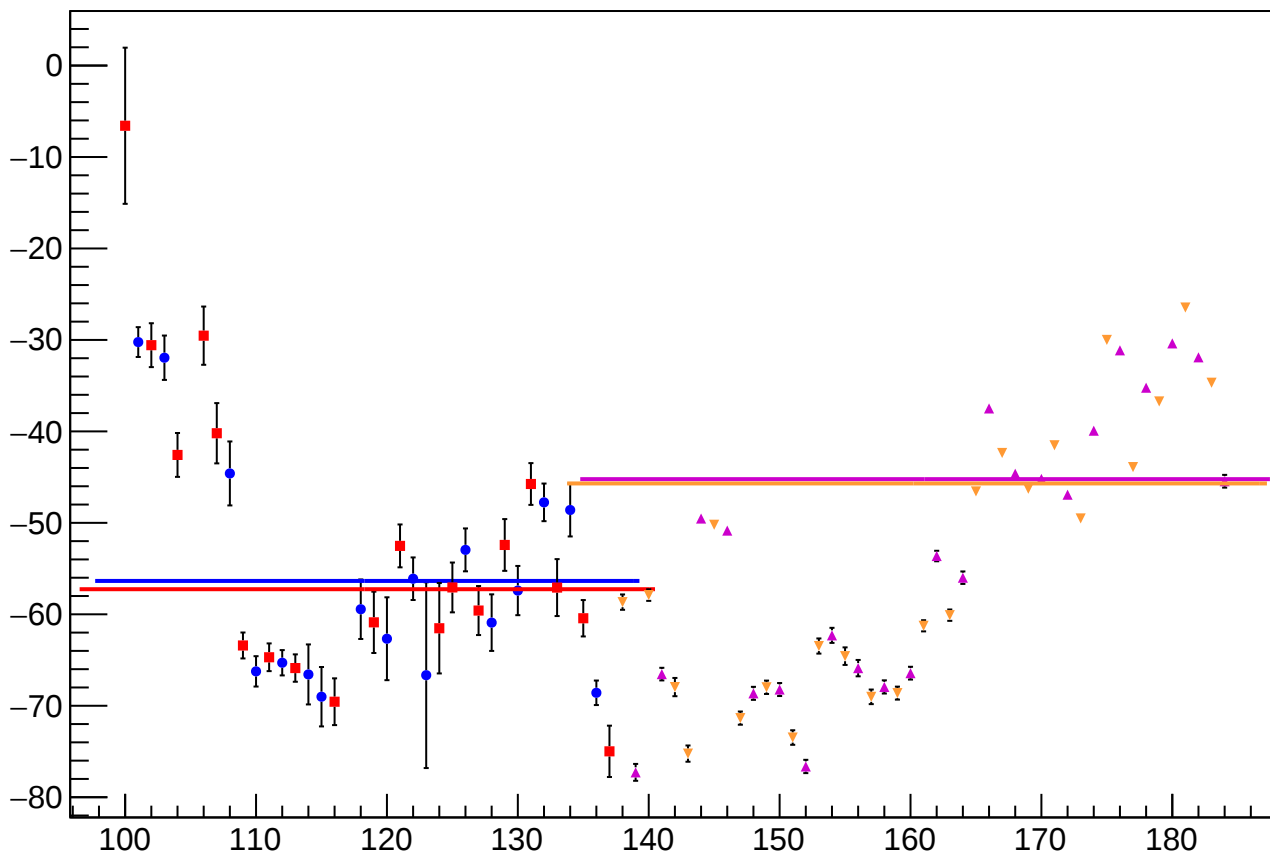
Right: 3.785 ± 0.222 χ^2/NDF : 269.0/35

In: 6.255 ± 0.083 χ^2/NDF : 4156.6/39

Out: 6.446 ± 0.083 χ^2/NDF : 5101.6/42

All: 6.350 ± 0.059 χ^2/NDF : 9260.8/82

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.351 ± 0.544 $\chi^2/\text{NDF}: 587.4/16$

Left Out: -45.692 ± 0.108 $\chi^2/\text{NDF}: 16962.8/23$

Right Out: -57.256 ± 0.537 $\chi^2/\text{NDF}: 475.7/18$

Left In: -45.222 ± 0.107 $\chi^2/\text{NDF}: 15600.2/22$

Left: -45.456 ± 0.076 $\chi^2/\text{NDF}: 32572.6/46$

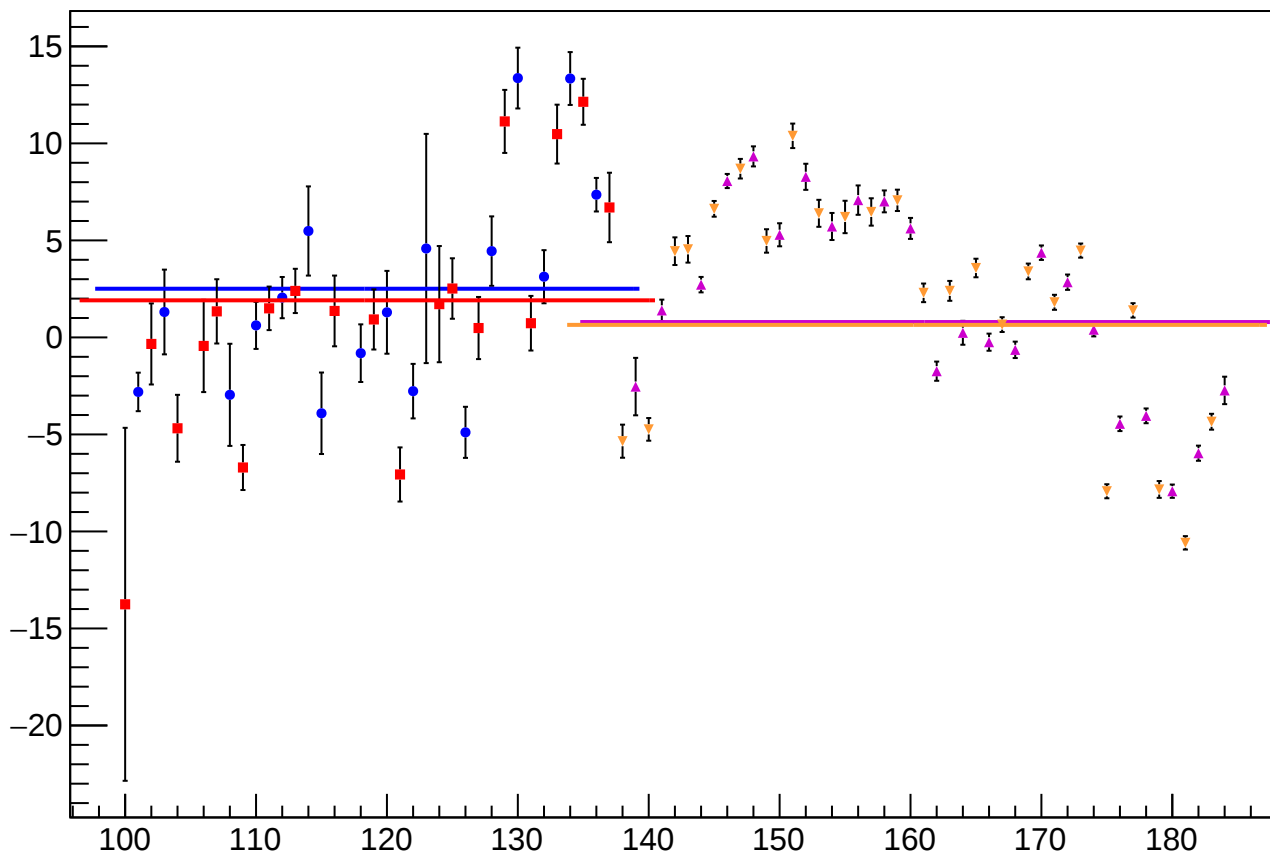
Right: -56.810 ± 0.382 $\chi^2/\text{NDF}: 1064.5/35$

In: -45.637 ± 0.105 $\chi^2/\text{NDF}: 16590.1/39$

Out: -46.139 ± 0.106 $\chi^2/\text{NDF}: 17884.5/42$

All: -45.887 ± 0.075 $\chi^2/\text{NDF}: 34485.9/82$

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: 0.646 $\pm$ 0.097 χ^2 /NDF:3652.7/23

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: 0.719 $\pm$ 0.068 χ^2 /NDF: 6346.4/46

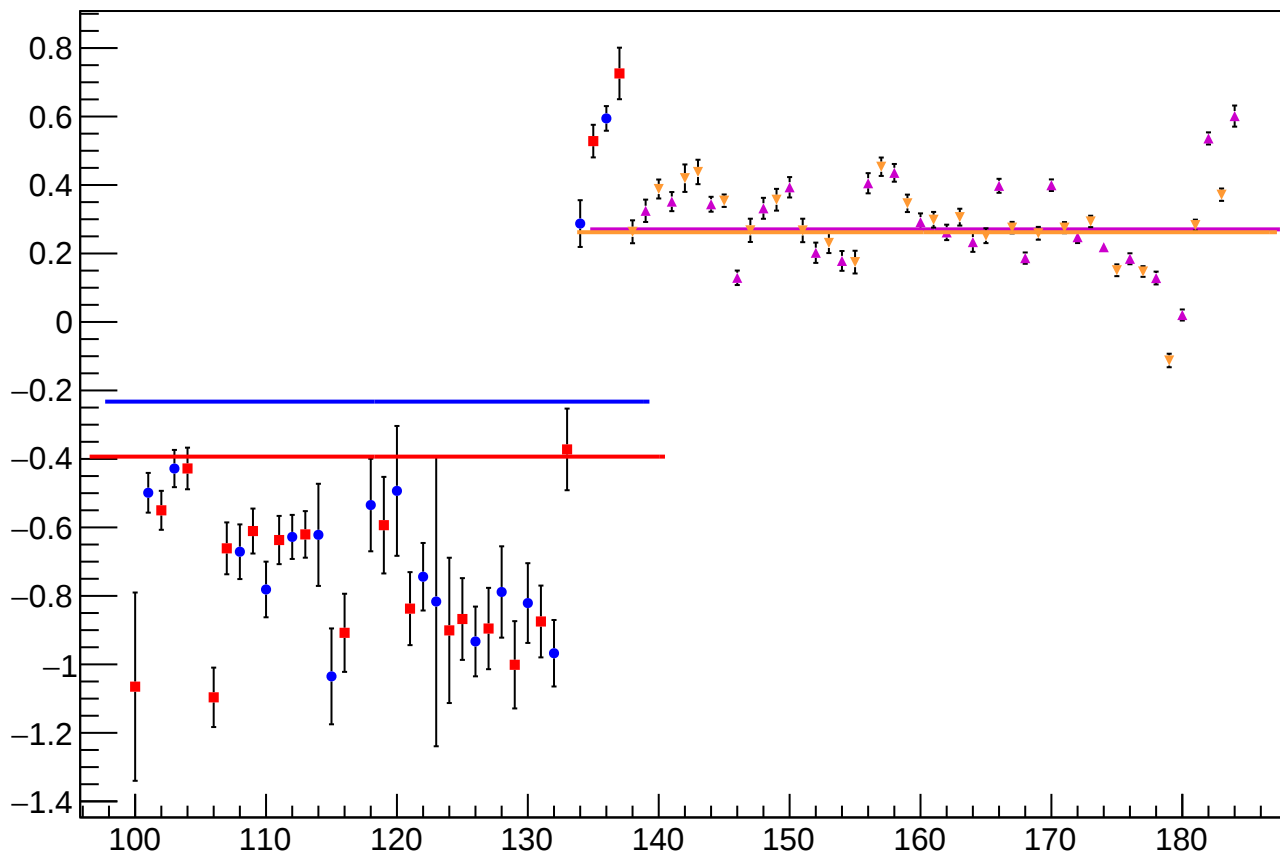
Right: 2.216 $\pm$ 0.249 χ^2 /NDF: 508.3/35

In: 0.915 $\pm$ 0.093 χ^2 /NDF:2957.4/39

Out: 0.733 $\pm$ 0.093 χ^2 /NDF:3929.1/42

All: 0.825 $\pm$ 0.066 χ^2 /NDF: 6888.4/82

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: 0.262+/-0.004 χ^2/NDF : 668.9/23

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: 0.266+/-0.003 χ^2/NDF : 1640.6/46

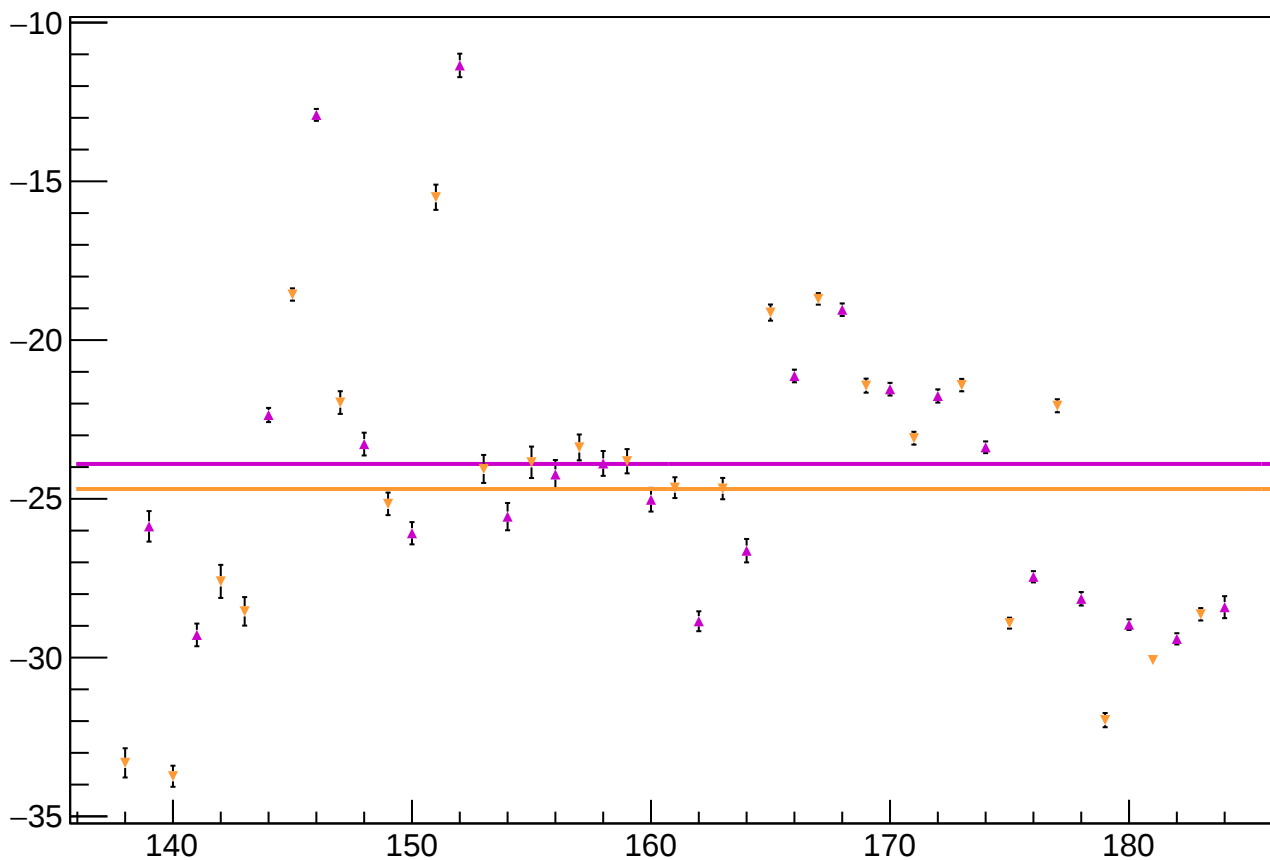
Right: -0.313+/-0.013 χ^2/NDF : 1837.5/35

In: 0.244+/-0.004 χ^2/NDF : 2596.8/39

Out: 0.228+/-0.004 χ^2/NDF : 2641.0/42

All: 0.236+/-0.003 χ^2/NDF : 5244.6/82

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: -24.691 $\pm$ 0.052 χ^2 /NDF:8407.4/23

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: -24.291 $\pm$ 0.036 χ^2 /NDF: 17680.3/46

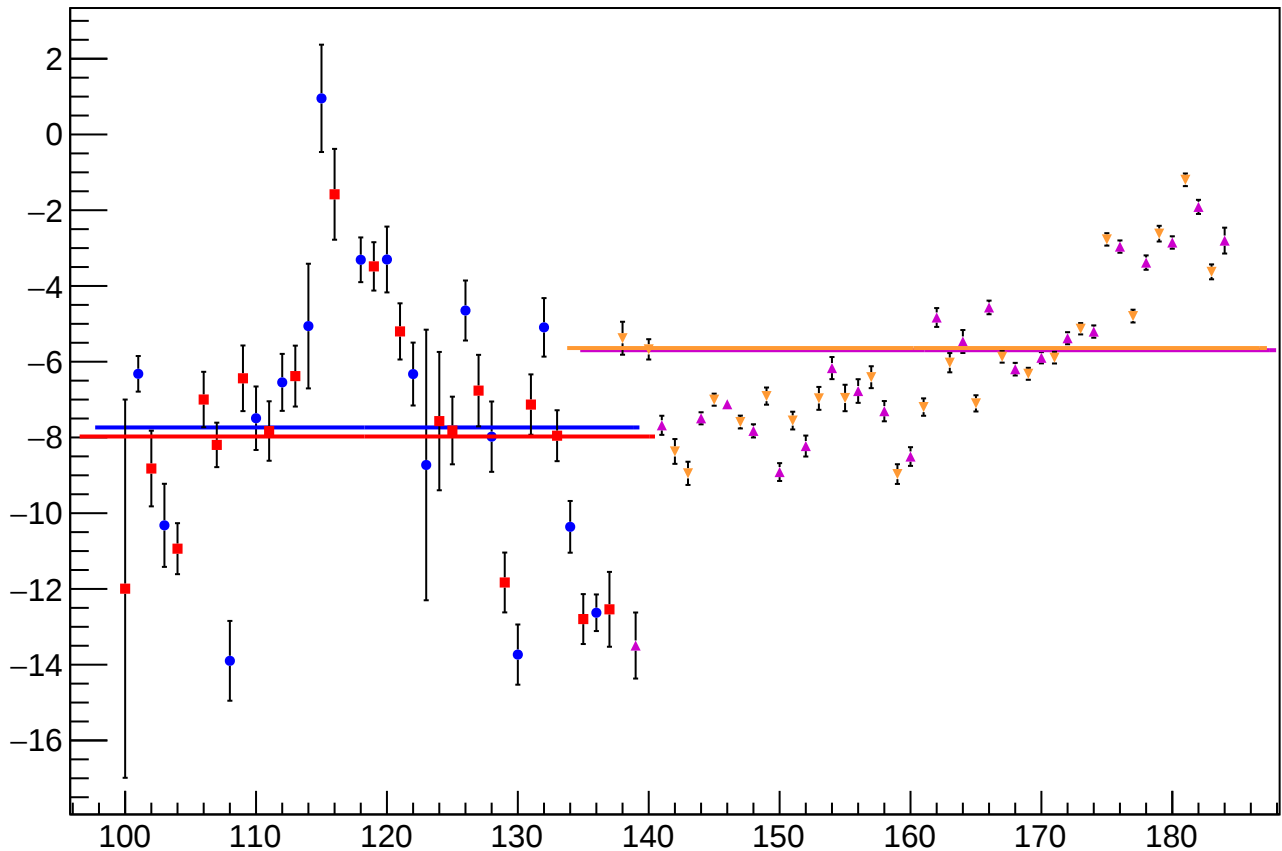
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -23.901 $\pm$ 0.051 χ^2 /NDF:9154.9/22

Out: -24.691 $\pm$ 0.052 χ^2 /NDF:8407.4/23

All: -24.291 $\pm$ 0.036 χ^2 /NDF: 17680.3/46

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: -5.639 ± 0.042 χ^2/NDF : 2177.7/23

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: -5.669 ± 0.029 χ^2/NDF : 4488.5/46

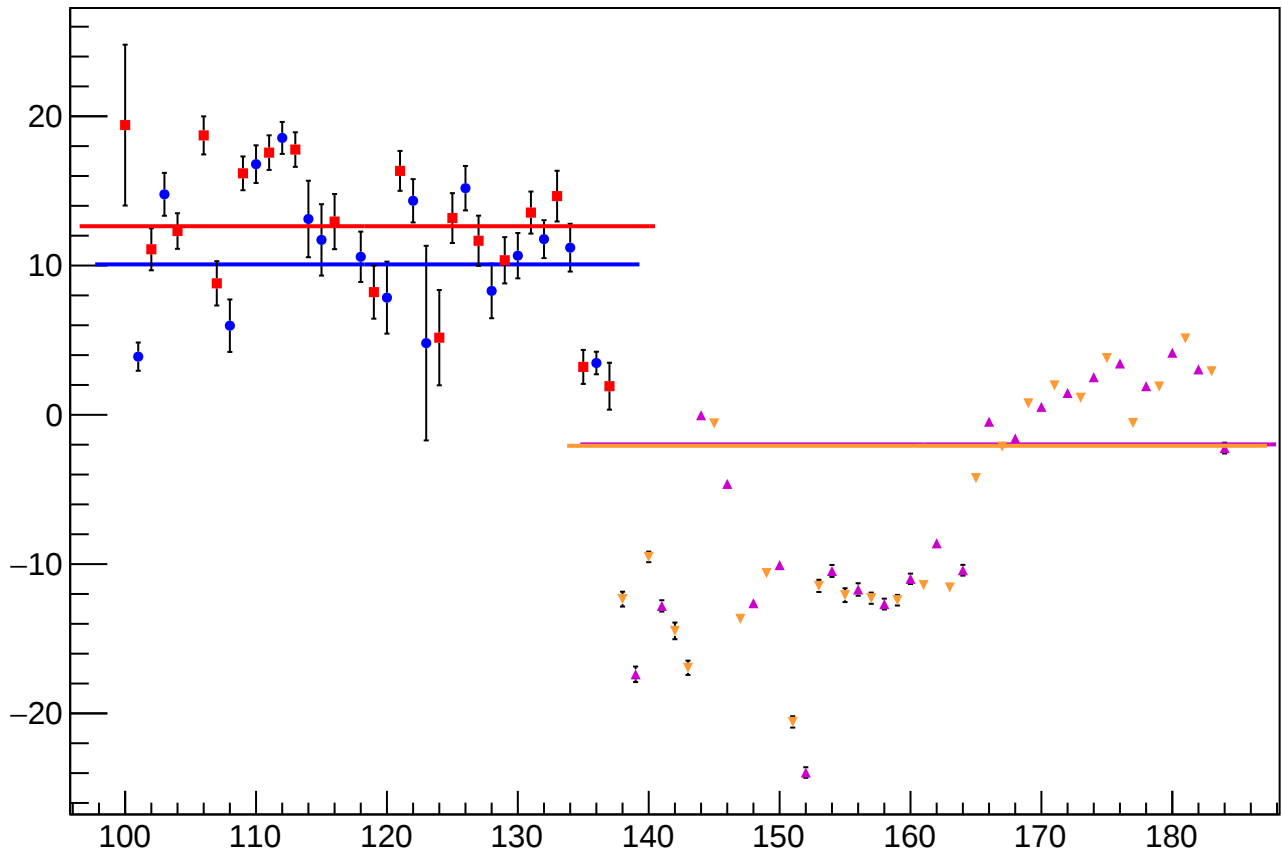
Right: -7.856 ± 0.132 χ^2/NDF : 602.0/35

In: -5.788 ± 0.040 χ^2/NDF : 2801.0/39

Out: -5.751 ± 0.041 χ^2/NDF : 2550.9/42

All: -5.770 ± 0.028 χ^2/NDF : 5352.3/82

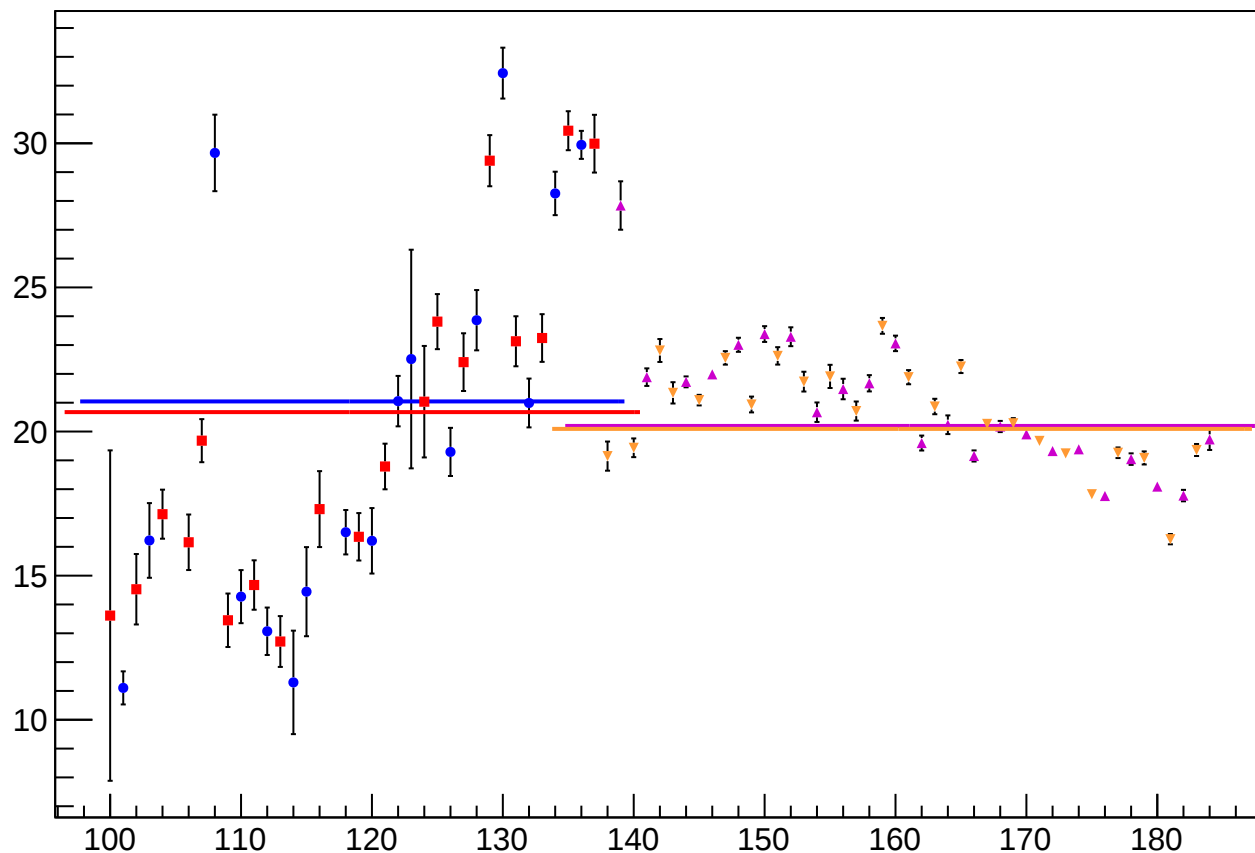
reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.078 ± 0.339 $\chi^2/\text{NDF}: 253.6/16$
 Left Out: -2.075 ± 0.052 $\chi^2/\text{NDF}: 16037.0/23$
 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: -2.027 ± 0.037 $\chi^2/\text{NDF}: 31421.0/46$
 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: -1.725 ± 0.051 $\chi^2/\text{NDF}: 18158.0/42$
 All: -1.717 ± 0.036 $\chi^2/\text{NDF}: 35034.3/82$

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: 20.092 $\pm$ 0.047 χ^2 /NDF:1373.2/23

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: 20.144 $\pm$ 0.033 χ^2 /NDF: 2823.0/46

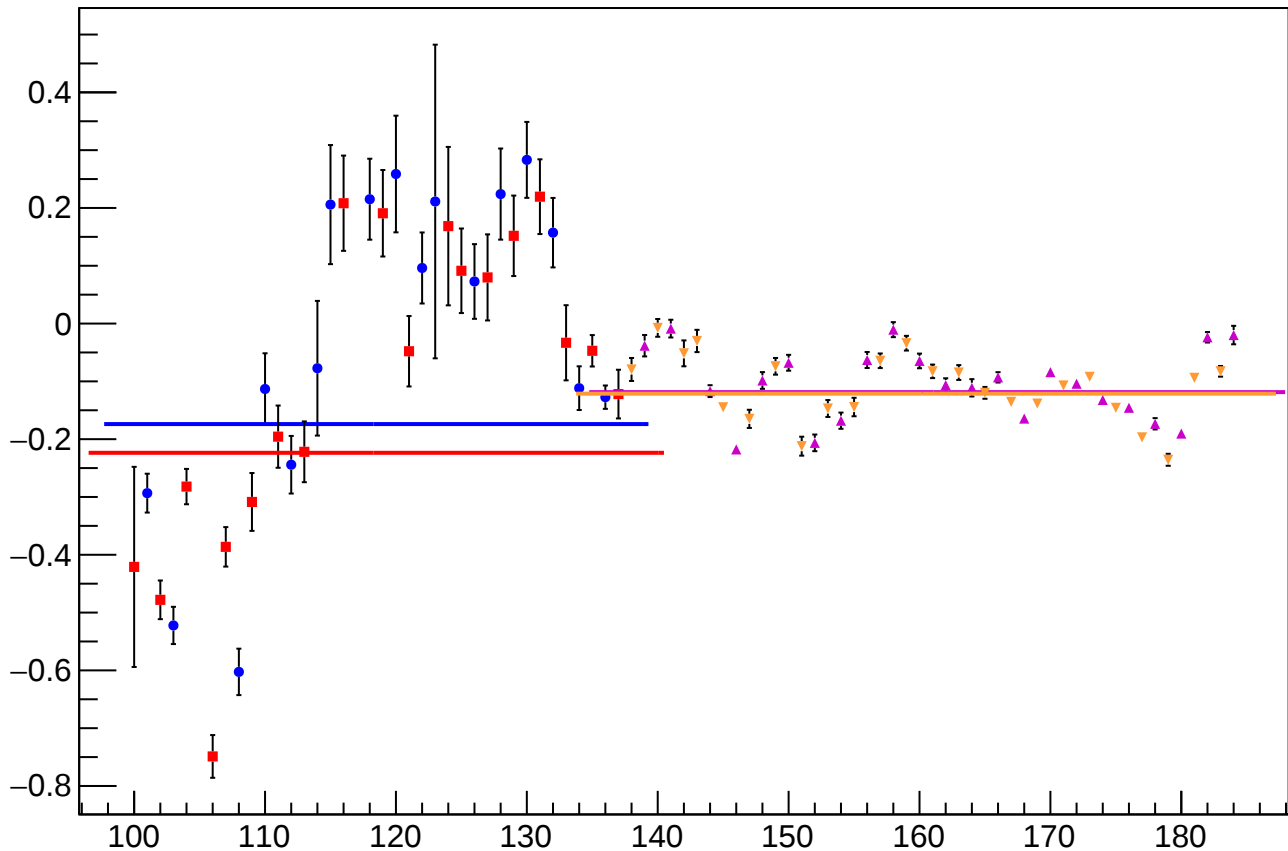
Right: 20.861 $\pm$ 0.150 χ^2 /NDF: 1932.6/35

In: 20.232 $\pm$ 0.045 χ^2 /NDF:2672.2/39

Out: 20.118 $\pm$ 0.045 χ^2 /NDF:2101.9/42

All: 20.176 $\pm$ 0.032 χ^2 /NDF: 4777.4/82

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: -0.121 ± 0.002 χ^2/NDF : 523.2/23

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: -0.120 ± 0.001 χ^2/NDF : 1245.7/46

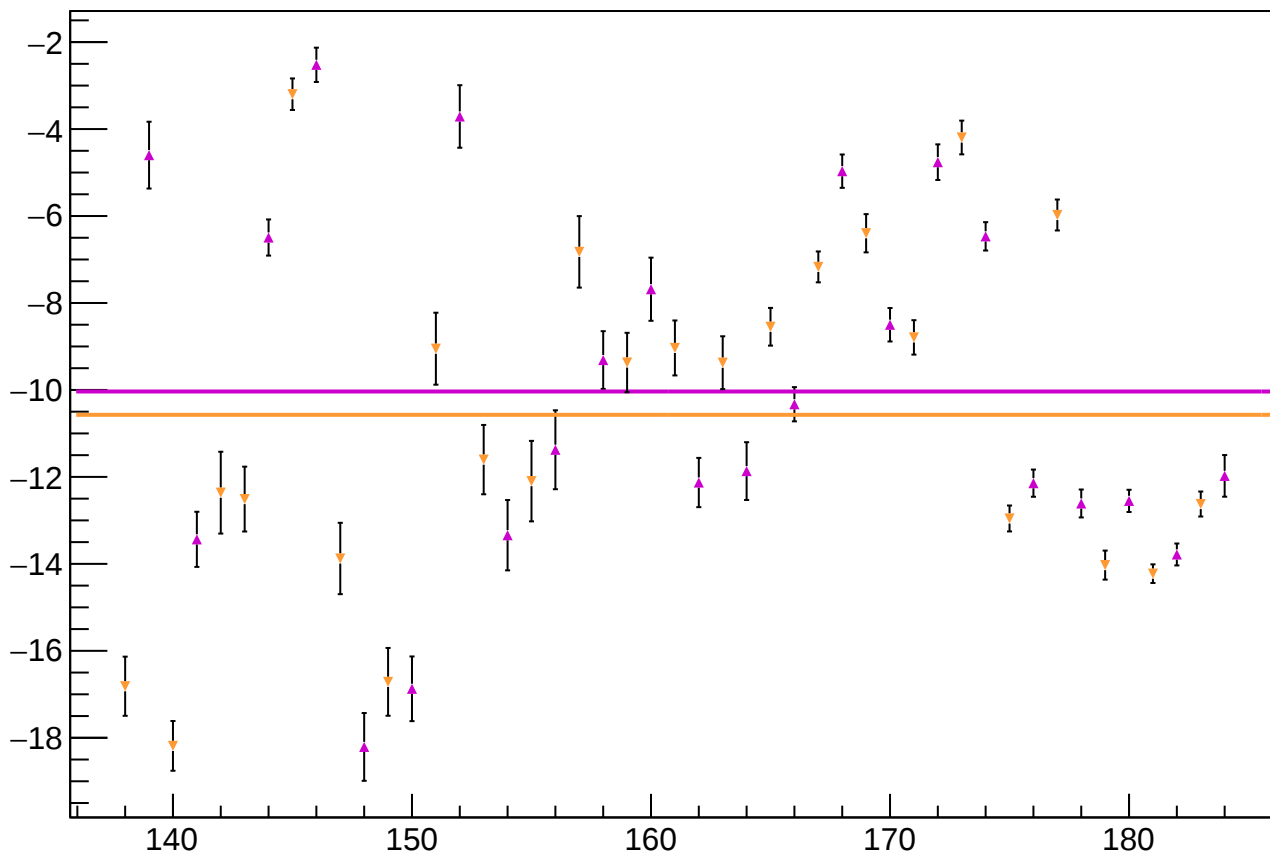
Right: -0.199 ± 0.008 χ^2/NDF : 1001.2/35

In: -0.121 ± 0.002 χ^2/NDF : 1203.4/39

Out: -0.125 ± 0.002 χ^2/NDF : 1139.9/42

All: -0.123 ± 0.001 χ^2/NDF : 2345.6/82

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



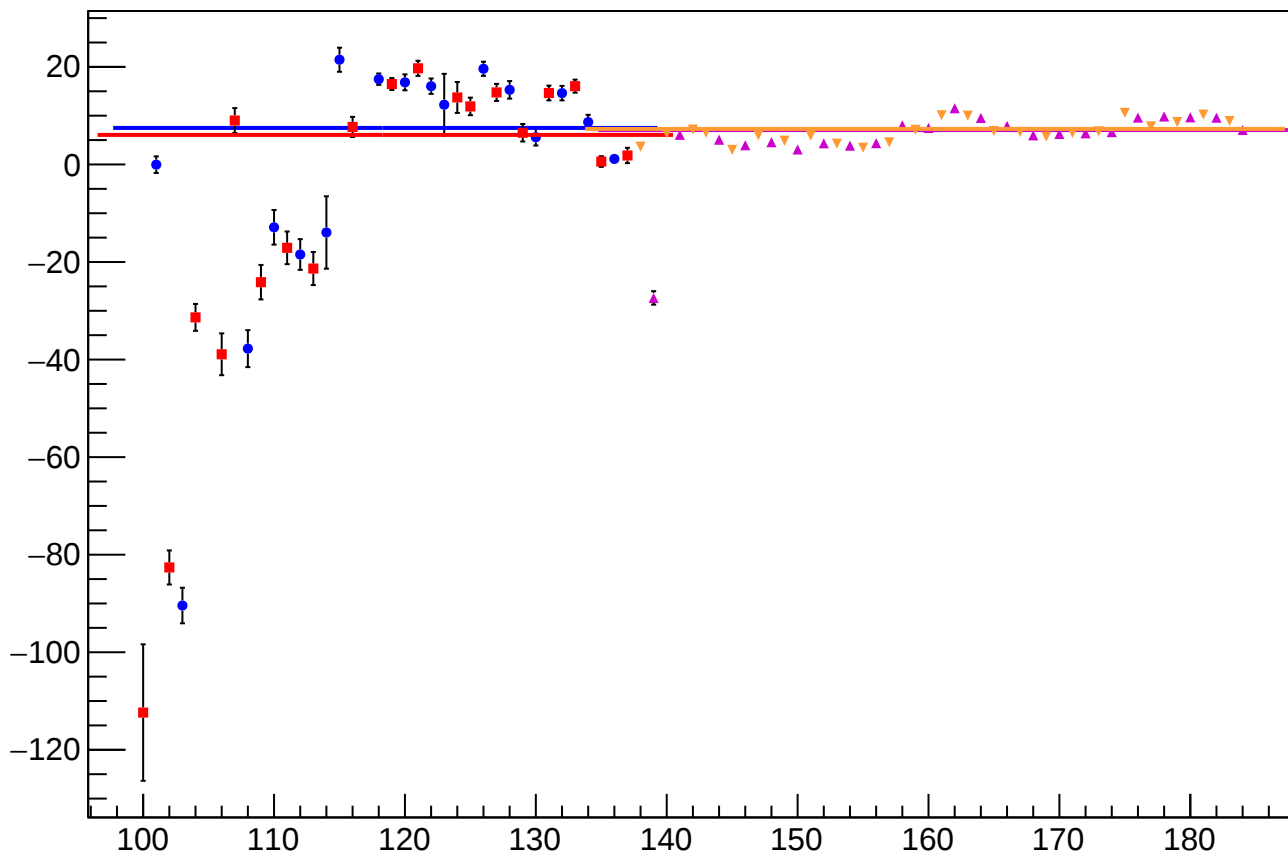
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -10.572+/-0.089 χ^2/NDF :1978.7/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -10.036+/-0.090 χ^2/NDF :1758.7/22

Left: -10.305+/-0.063 χ^2/NDF : 3755.4/46
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -10.036+/-0.090 χ^2/NDF :1758.7/22
 Out: -10.572+/-0.089 χ^2/NDF :1978.7/23

All: -10.305+/-0.063 χ^2/NDF : 3755.4/46

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: 7.287 ± 0.075 χ^2/NDF : 850.8/23

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: 7.169 ± 0.053 χ^2/NDF : 2391.6/46

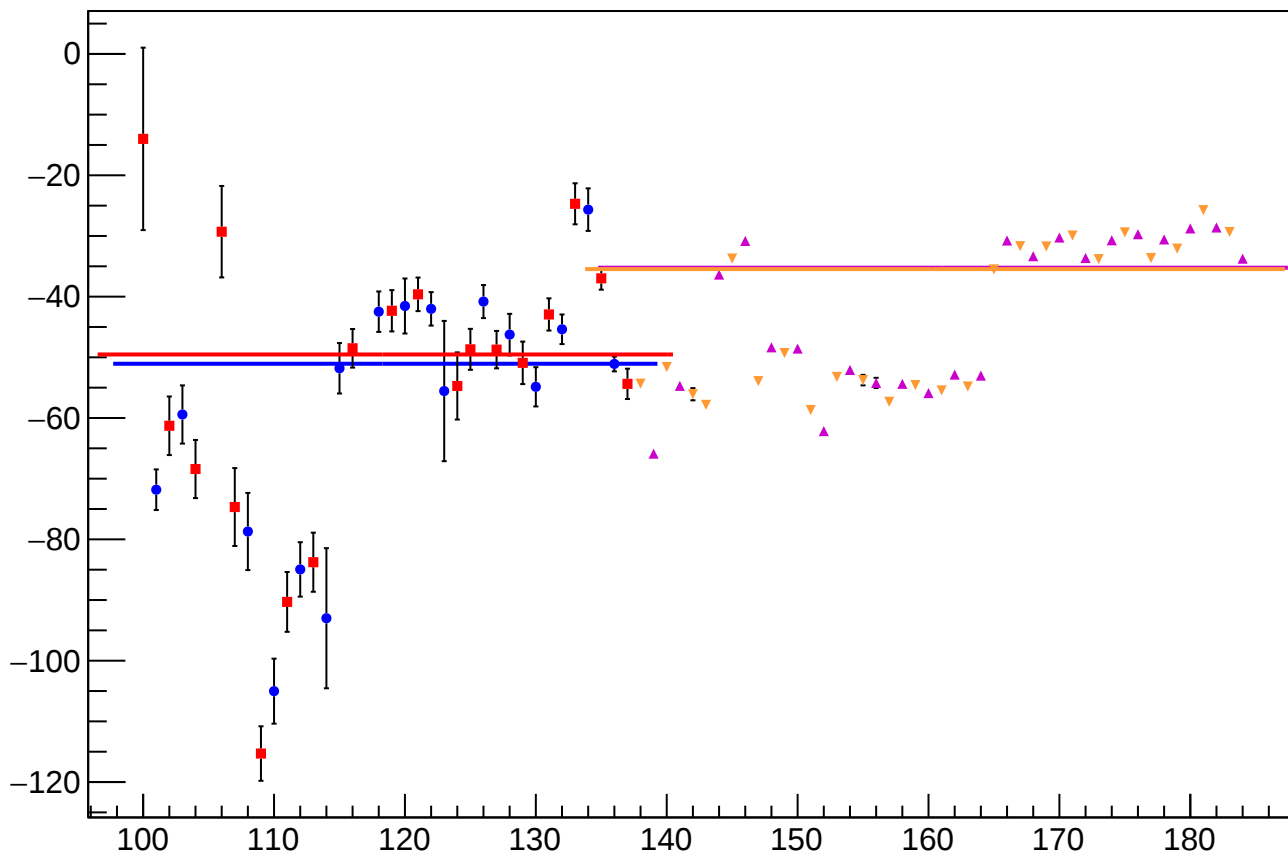
Right: 6.822 ± 0.297 χ^2/NDF : 2858.2/35

In: 7.067 ± 0.073 χ^2/NDF : 2877.5/39

Out: 7.252 ± 0.074 χ^2/NDF : 2370.4/42

All: 7.158 ± 0.052 χ^2/NDF : 5251.1/82

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: -35.460 ± 0.090 χ^2/NDF : 12598.5/23

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: -35.344 ± 0.064 χ^2/NDF : 24204.6/46

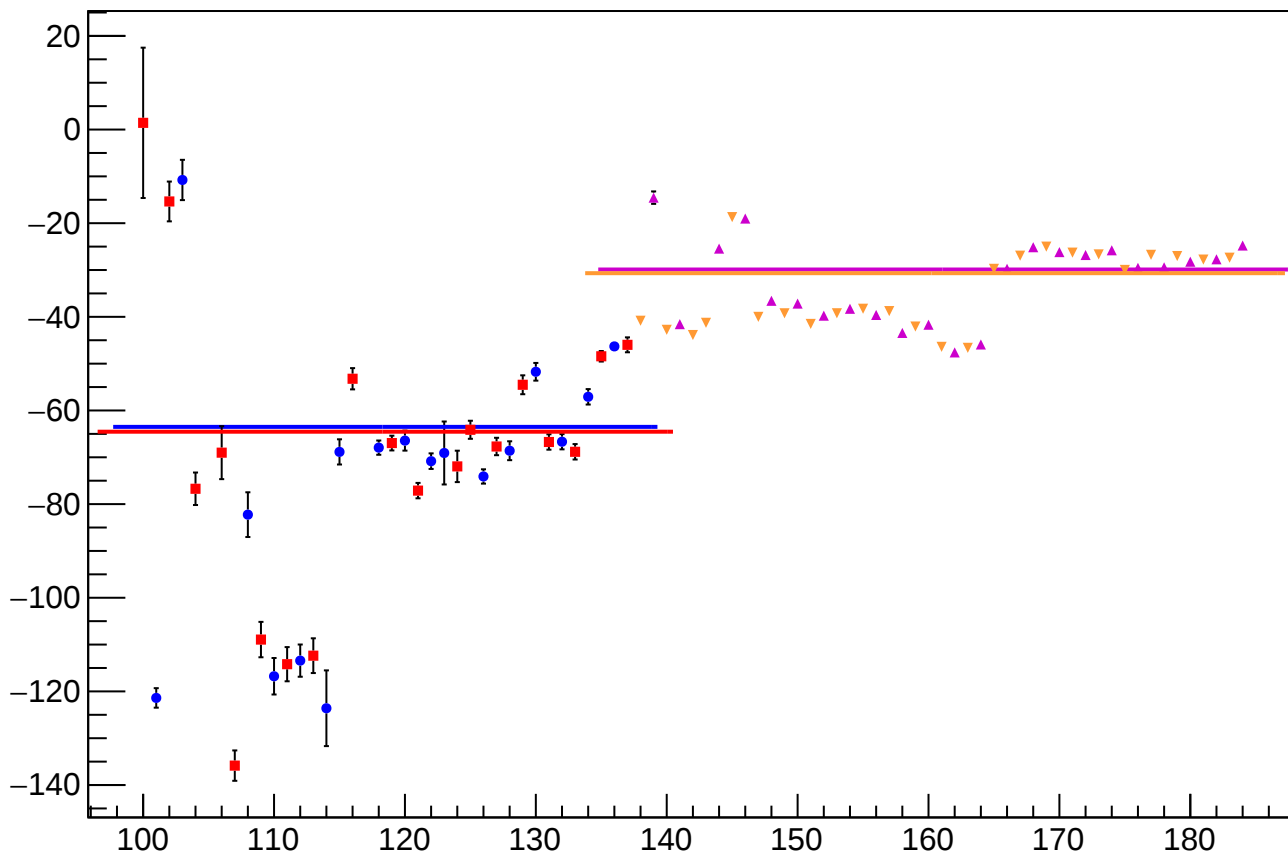
Right: -50.353 ± 0.544 χ^2/NDF : 840.8/35

In: -35.459 ± 0.089 χ^2/NDF : 12381.4/39

Out: -35.637 ± 0.090 χ^2/NDF : 13413.1/42

All: -35.548 ± 0.063 χ^2/NDF : 25796.5/82

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: -30.678 ± 0.083 χ^2/NDF : 7787.1/23

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: -30.284 ± 0.058 χ^2/NDF : 14947.3/46

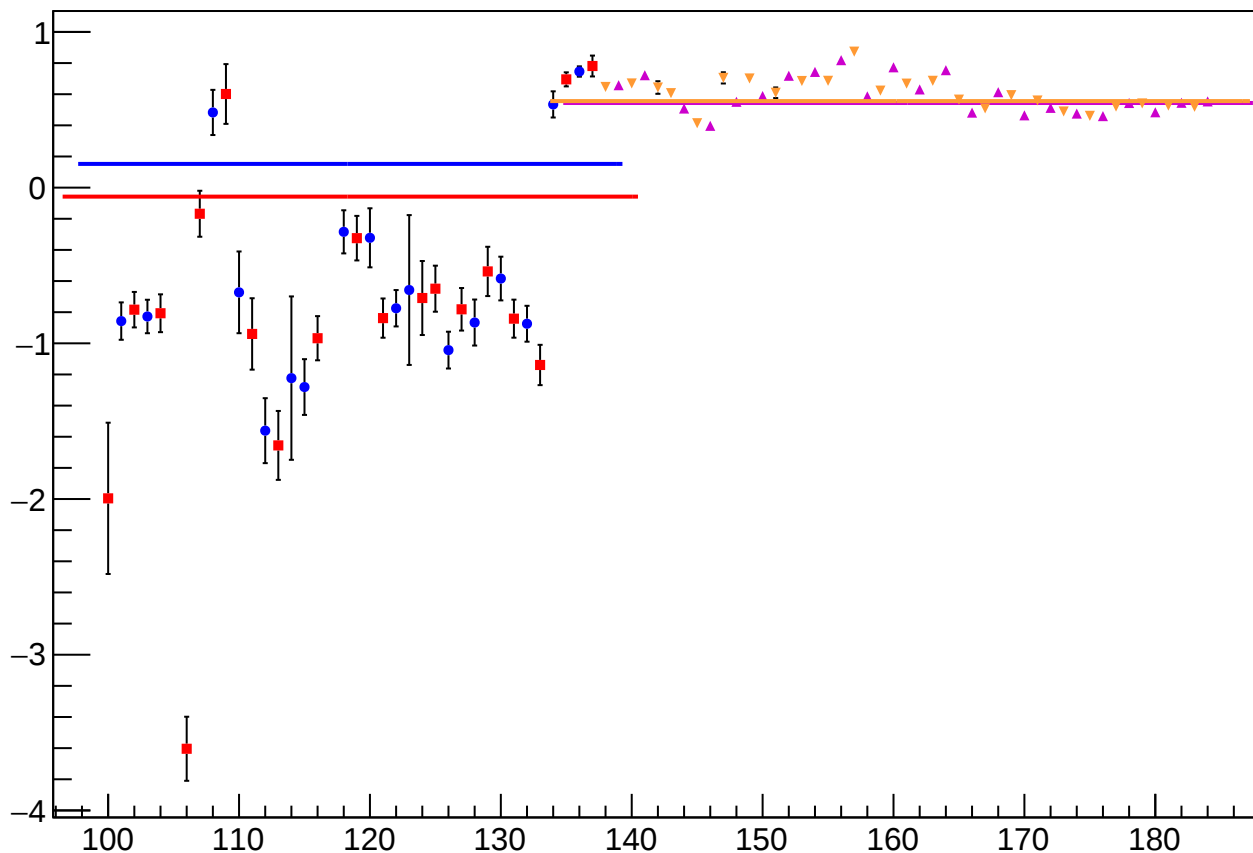
Right: -63.979 ± 0.329 χ^2/NDF : 3613.0/35

In: -30.991 ± 0.081 χ^2/NDF : 14535.8/39

Out: -31.642 ± 0.082 χ^2/NDF : 14147.9/42

All: -31.315 ± 0.058 χ^2/NDF : 28715.7/82

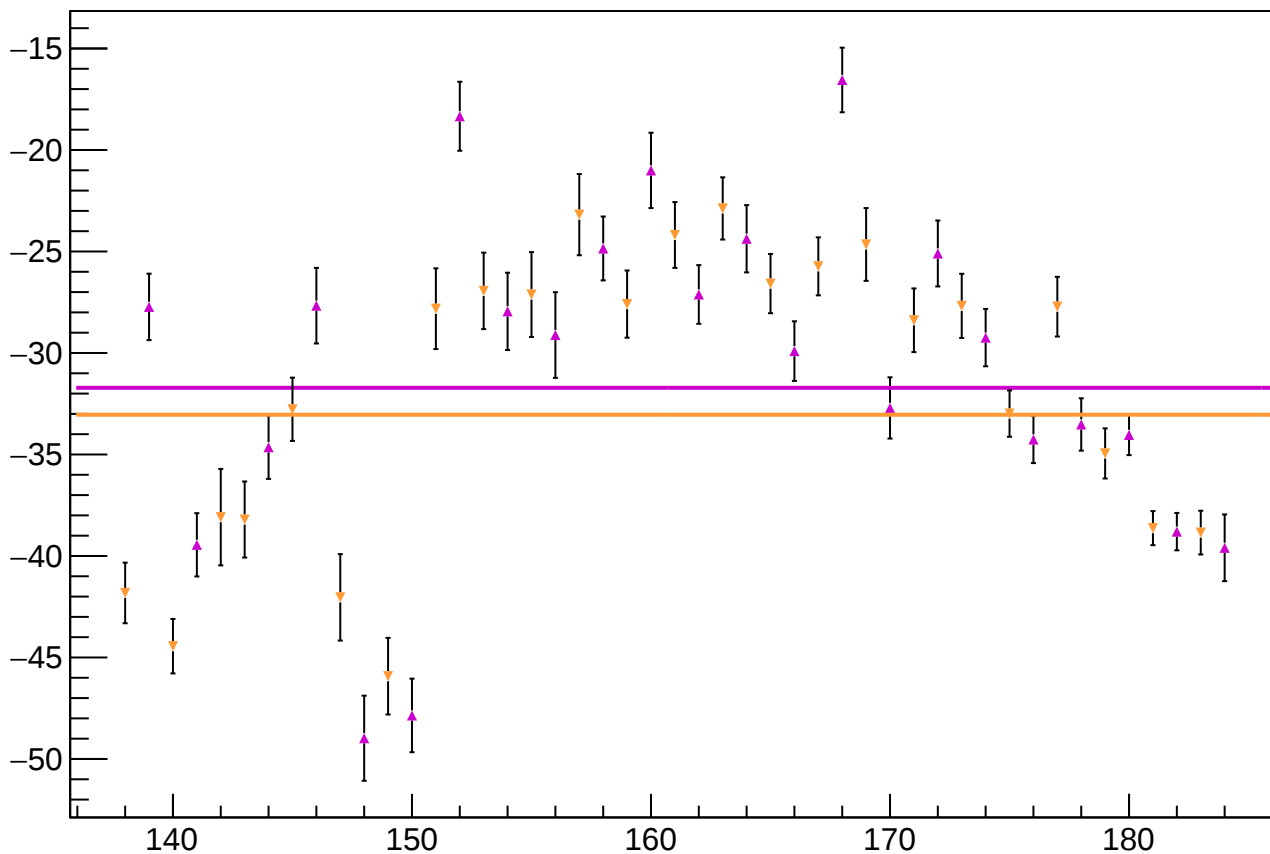
reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 $\chi^2/\text{NDF}: 987.4/16$
 Left Out: 0.556 ± 0.004 $\chi^2/\text{NDF}: 527.2/23$
 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: 0.550 ± 0.003 $\chi^2/\text{NDF}: 1188.2/46$
 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: 0.543 ± 0.004 $\chi^2/\text{NDF}: 2220.0/42$
 All: 0.539 ± 0.003 $\chi^2/\text{NDF}: 4124.7/82$

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: -33.041+/-0.304 χ^2/NDF :494.6/23
 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: -32.388+/-0.217 χ^2/NDF : 1046.2/46

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -31.714+/-0.309 χ^2/NDF :542.3/22

Out: -33.041+/-0.304 χ^2/NDF :494.6/23

All: -32.388+/-0.217 χ^2/NDF : 1046.2/46

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: -34.128 ± 0.244 χ^2/NDF : 677.2/23

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: -34.136 ± 0.175 χ^2/NDF : 2129.8/46

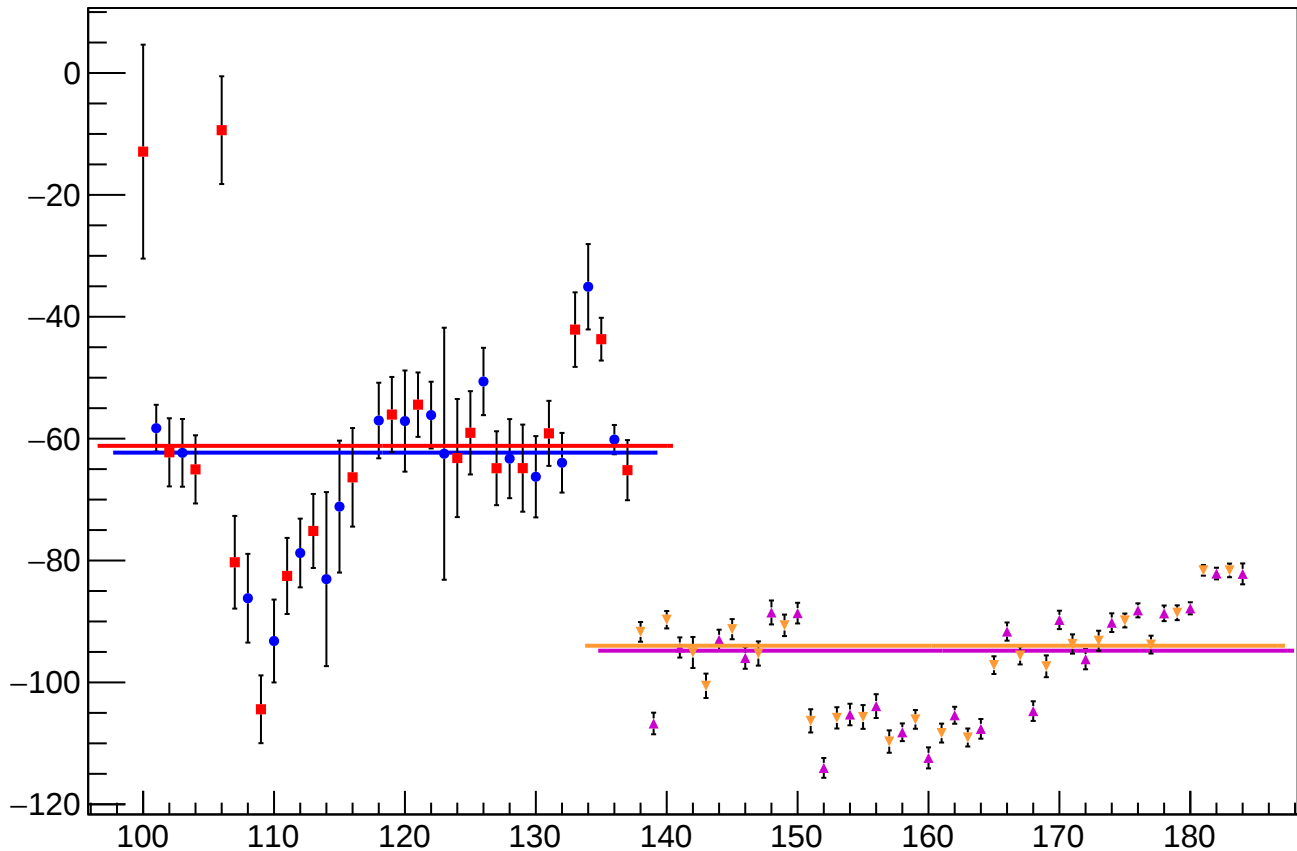
Right: -47.693 ± 0.528 χ^2/NDF : 2358.5/35

In: -35.457 ± 0.237 χ^2/NDF : 2788.2/39

Out: -35.497 ± 0.233 χ^2/NDF : 2293.8/42

All: -35.478 ± 0.166 χ^2/NDF : 5082.0/82

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.294 $\pm$ 1.317 χ^2 /NDF: 67.1/16

Left Out: -93.978 $\pm$ 0.305 χ^2 /NDF:842.7/23

Right Out: -61.180 $\pm$ 1.383 χ^2 /NDF: 165.0/18

Left In: -94.796 $\pm$ 0.308 χ^2 /NDF:974.7/22

Left: -94.383 $\pm$ 0.217 χ^2 /NDF: 1821.0/46

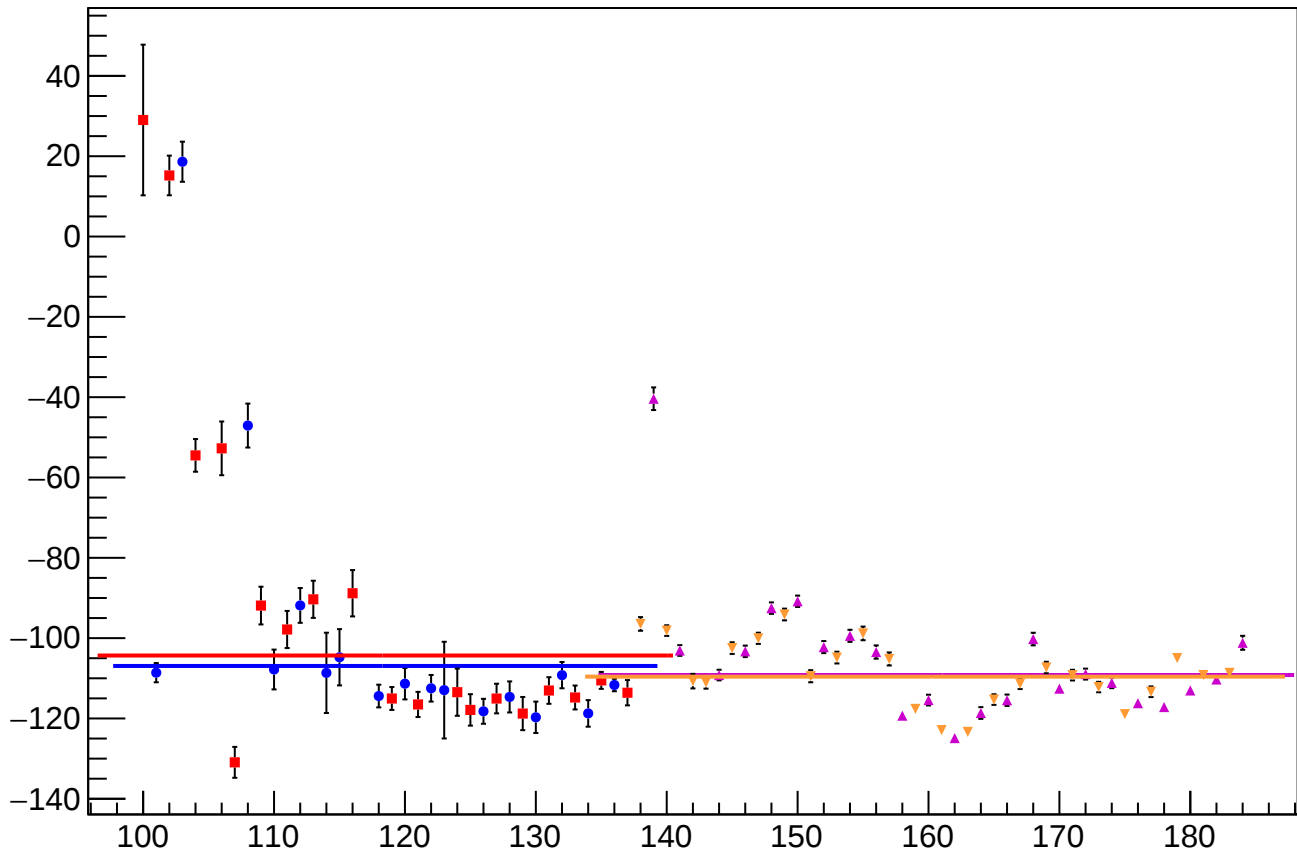
Right: -61.765 $\pm$ 0.954 χ^2 /NDF: 232.4/35

In: -93.106 $\pm$ 0.300 χ^2 /NDF:1619.0/39

Out: -92.453 $\pm$ 0.298 χ^2 /NDF:1544.0/42

All: -92.777 $\pm$ 0.212 χ^2 /NDF: 3165.3/82

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: -109.588 ± 0.275 $\chi^2/\text{NDF}: 783.0/23$

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: -109.390 ± 0.196 $\chi^2/\text{NDF}: 2285.2/46$

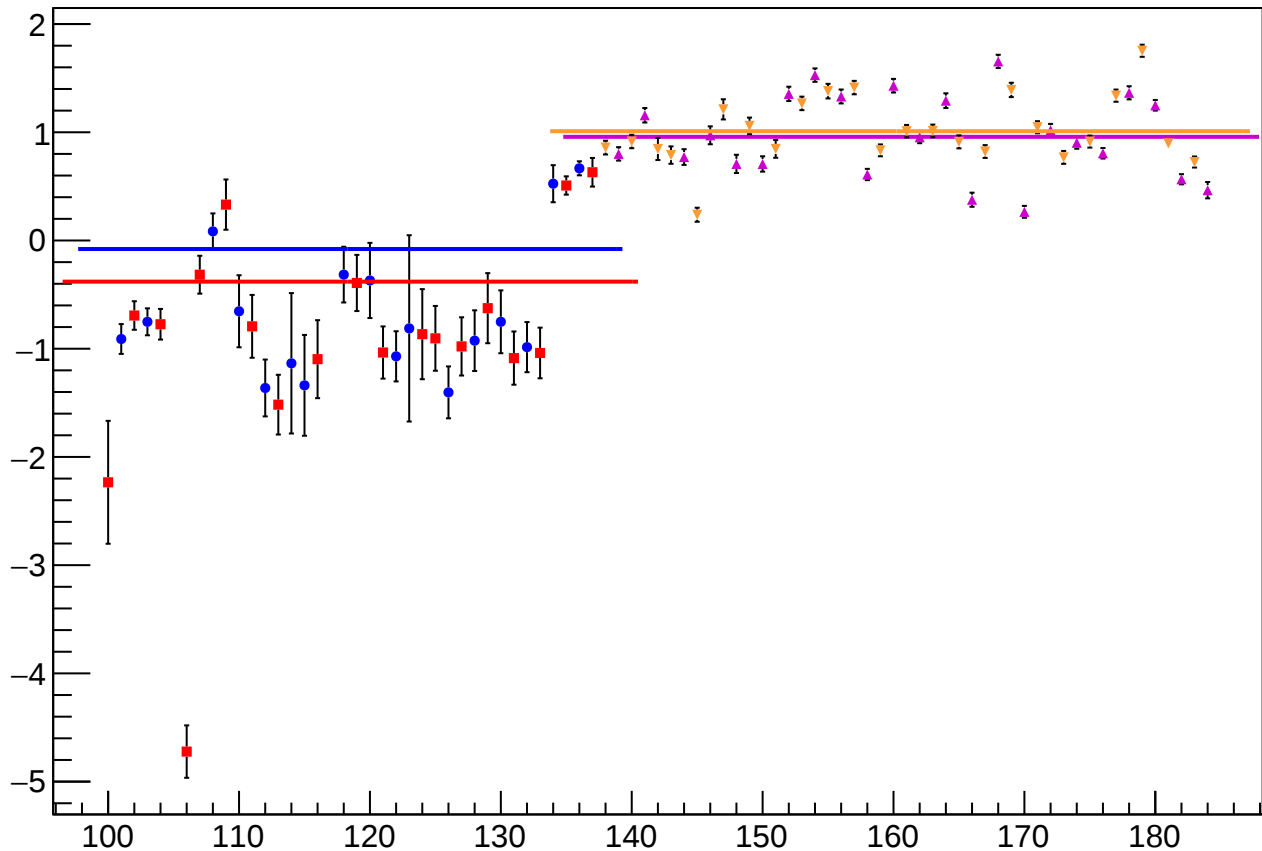
Right: -105.694 ± 0.594 $\chi^2/\text{NDF}: 1852.0/35$

In: -108.948 ± 0.265 $\chi^2/\text{NDF}: 2334.7/39$

Out: -109.103 ± 0.262 $\chi^2/\text{NDF}: 1837.3/42$

All: -109.026 ± 0.186 $\chi^2/\text{NDF}: 4172.1/82$

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: 1.010 ± 0.013 χ^2/NDF : 580.4/23

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: 0.984 ± 0.009 χ^2/NDF : 1483.3/46

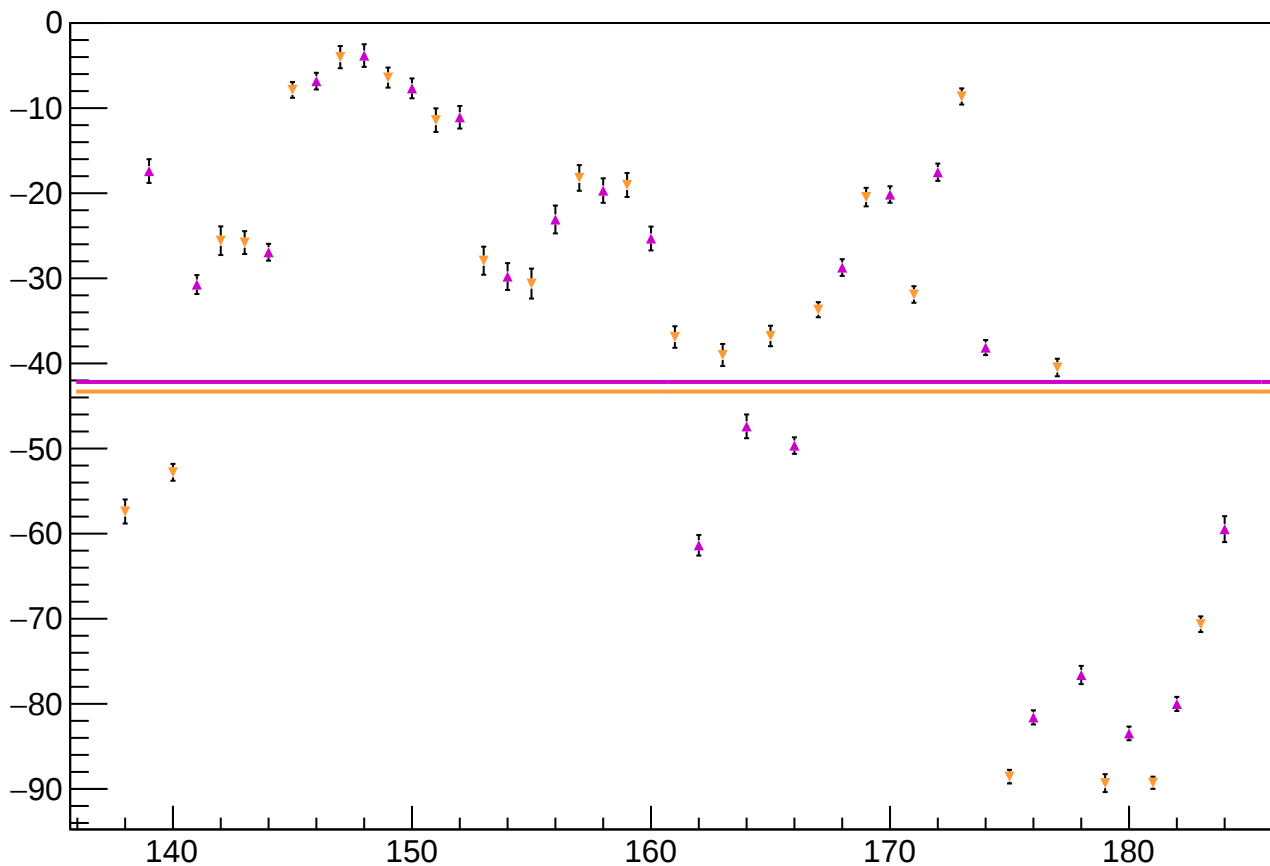
Right: -0.223 ± 0.031 χ^2/NDF : 933.1/35

In: 0.873 ± 0.012 χ^2/NDF : 1774.6/39

Out: 0.905 ± 0.012 χ^2/NDF : 2081.1/42

All: 0.889 ± 0.009 χ^2/NDF : 3859.1/82

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: -43.306+/-0.225 χ^2/NDF :17296.4/23

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: -42.747+/-0.160 χ^2/NDF : 31884.8/46

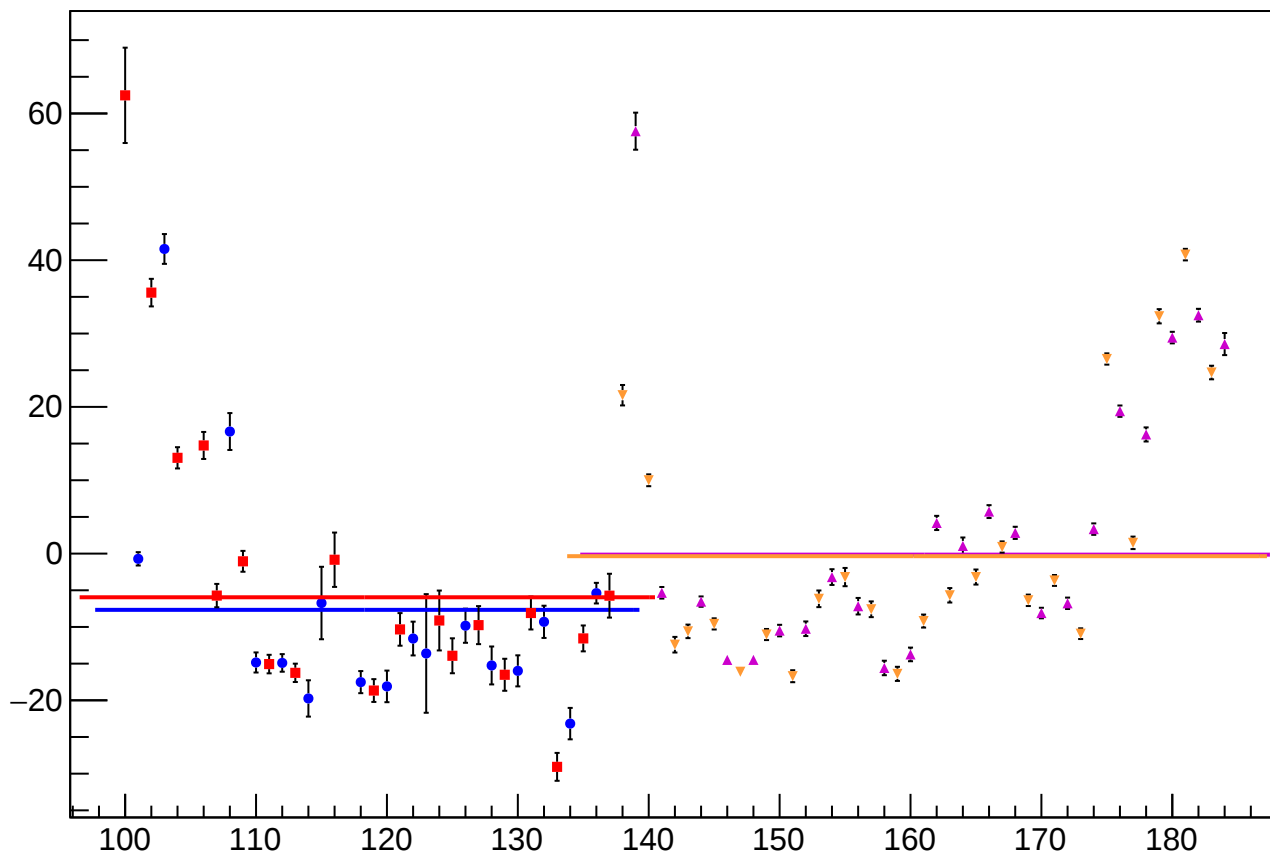
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -42.176+/-0.227 χ^2/NDF :14575.9/22

Out: -43.306+/-0.225 χ^2/NDF :17296.4/23

All: -42.747+/-0.160 χ^2/NDF : 31884.8/46

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected

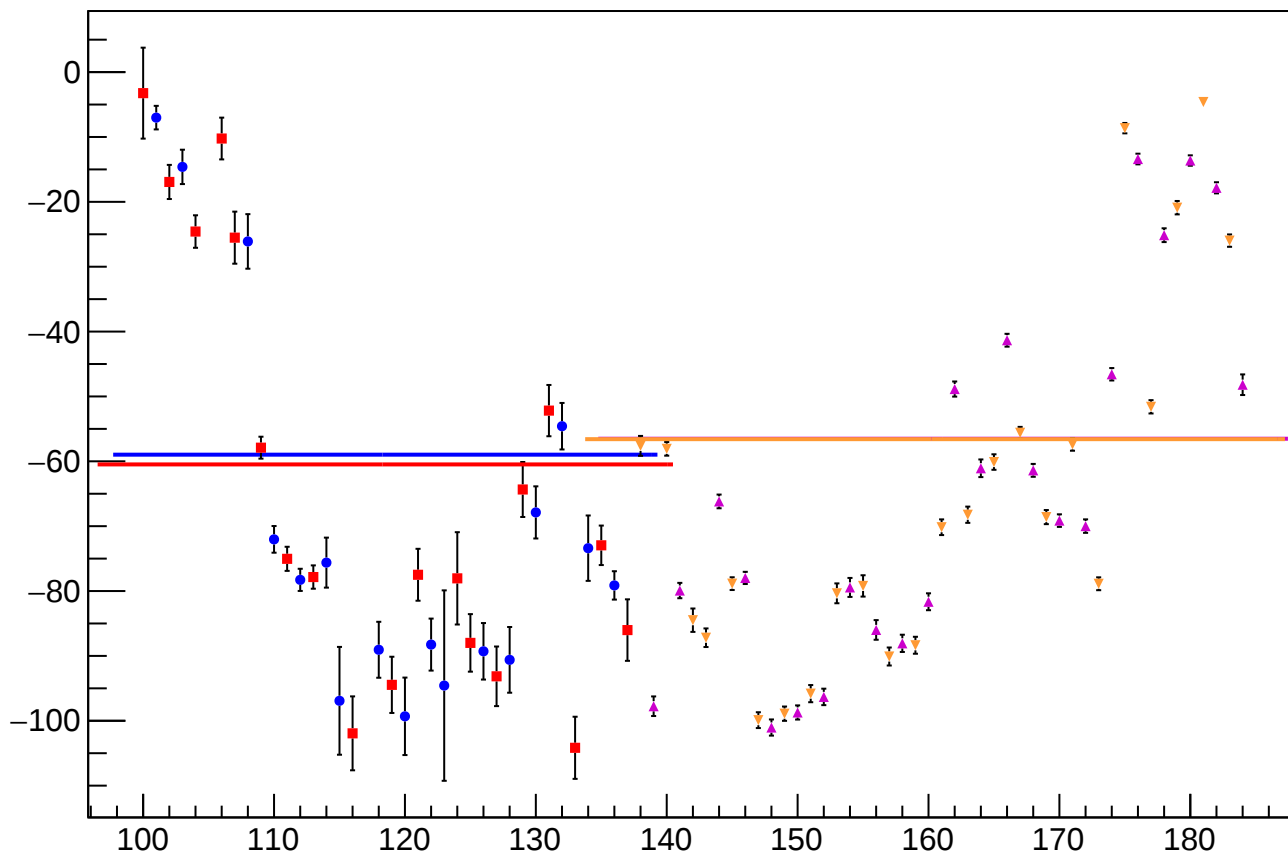


Right In: -7.668 ± 0.431 $\chi^2/\text{NDF}: 975.9/16$
 Left Out: -0.352 ± 0.176 $\chi^2/\text{NDF}: 8643.6/23$
 Right Out: -5.954 ± 0.429 $\chi^2/\text{NDF}: 1298.5/18$
 Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

Left: -0.249 ± 0.126 $\chi^2/\text{NDF}: 15506.8/46$
 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: -1.160 ± 0.163 $\chi^2/\text{NDF}: 10087.8/42$

All: -1.205 ± 0.116 $\chi^2/\text{NDF}: 18186.6/82$

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: -56.585 ± 0.226 χ^2/NDF : 18007.4/23

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: -56.552 ± 0.160 χ^2/NDF : 34360.0/46

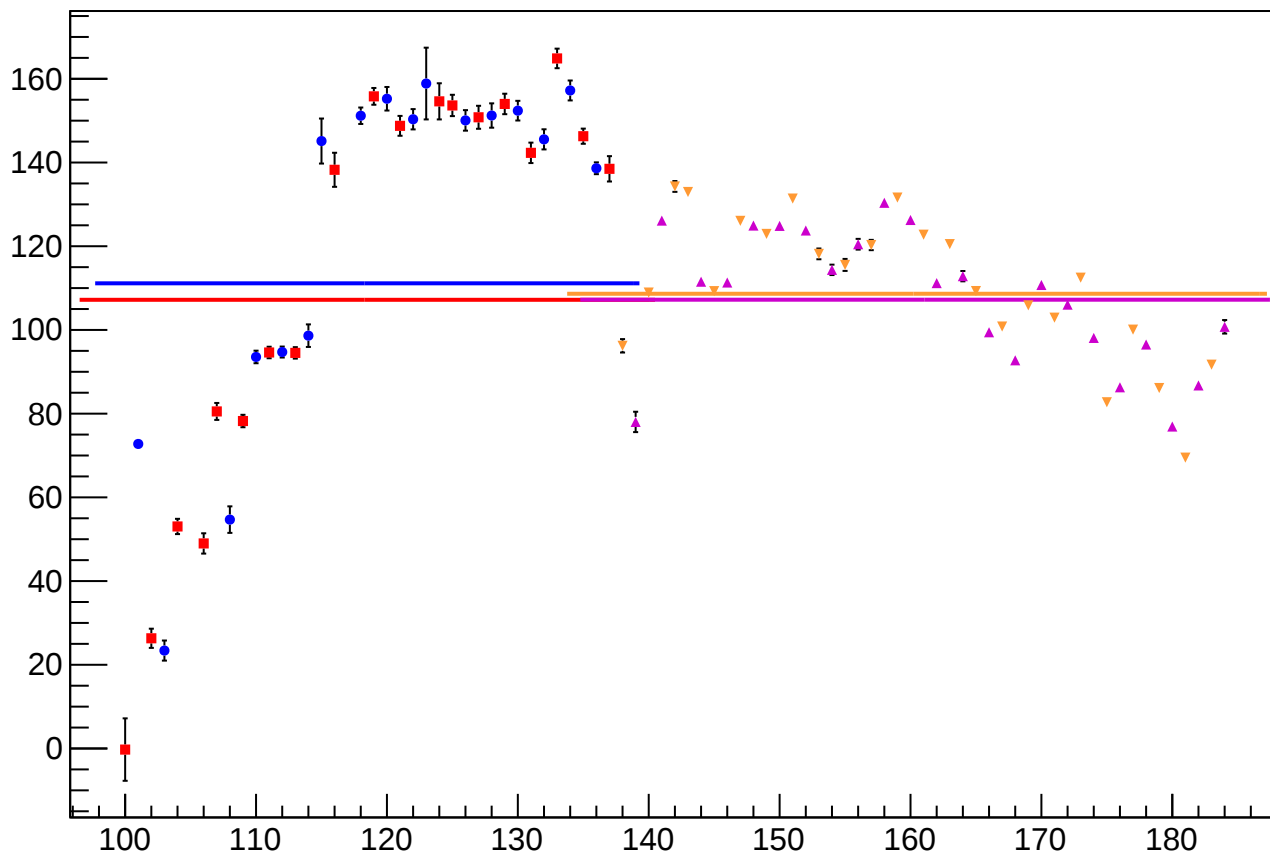
Right: -59.771 ± 0.513 χ^2/NDF : 3094.0/35

In: -56.727 ± 0.217 χ^2/NDF : 18070.1/39

Out: -56.948 ± 0.215 χ^2/NDF : 19419.2/42

All: -56.838 ± 0.153 χ^2/NDF : 37489.8/82

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: 108.645 $\pm$ 0.200 χ^2 /NDF: 7286.5/23

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: 107.945 $\pm$ 0.142 χ^2 /NDF: 12876.8/46

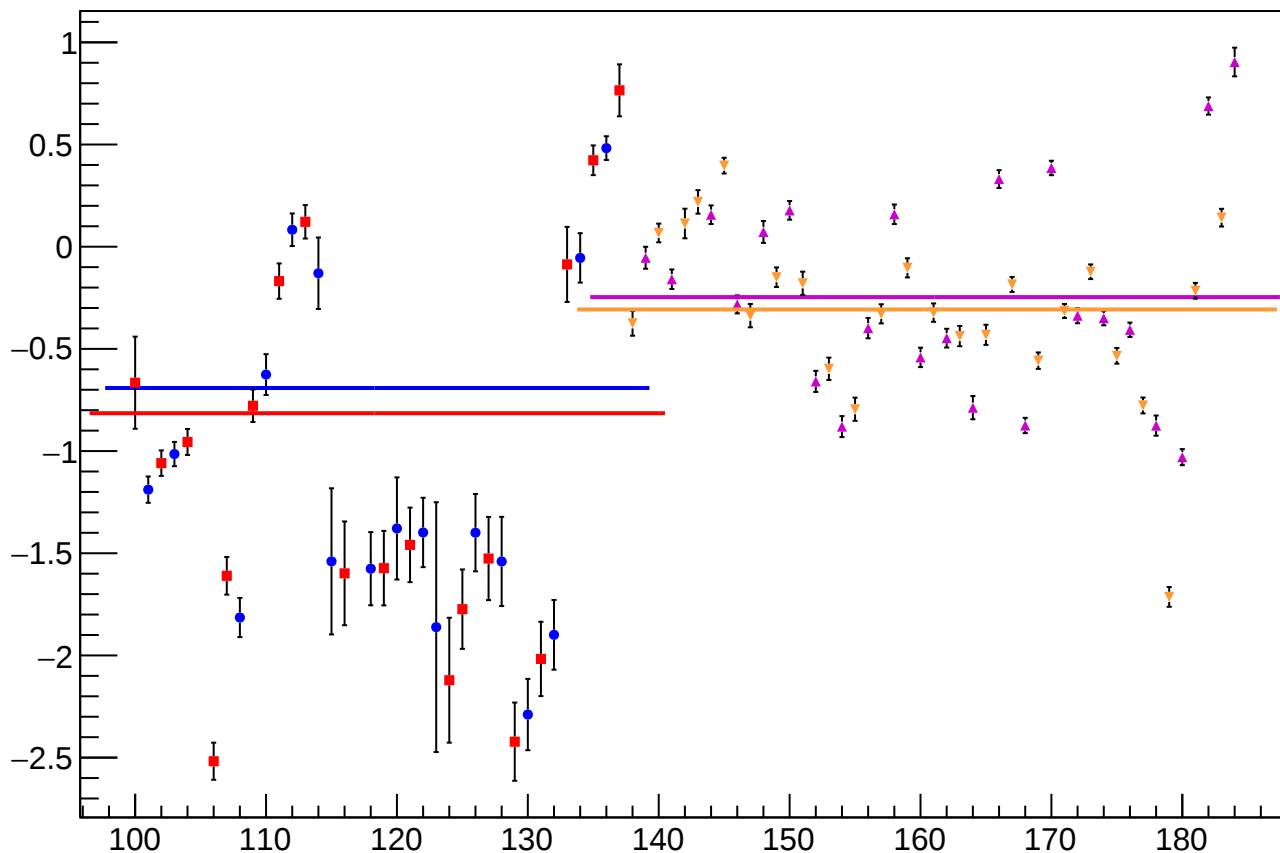
Right: 109.164 $\pm$ 0.346 χ^2 /NDF: 12938.9/35

In: 107.795 $\pm$ 0.187 χ^2 /NDF: 11483.4/39

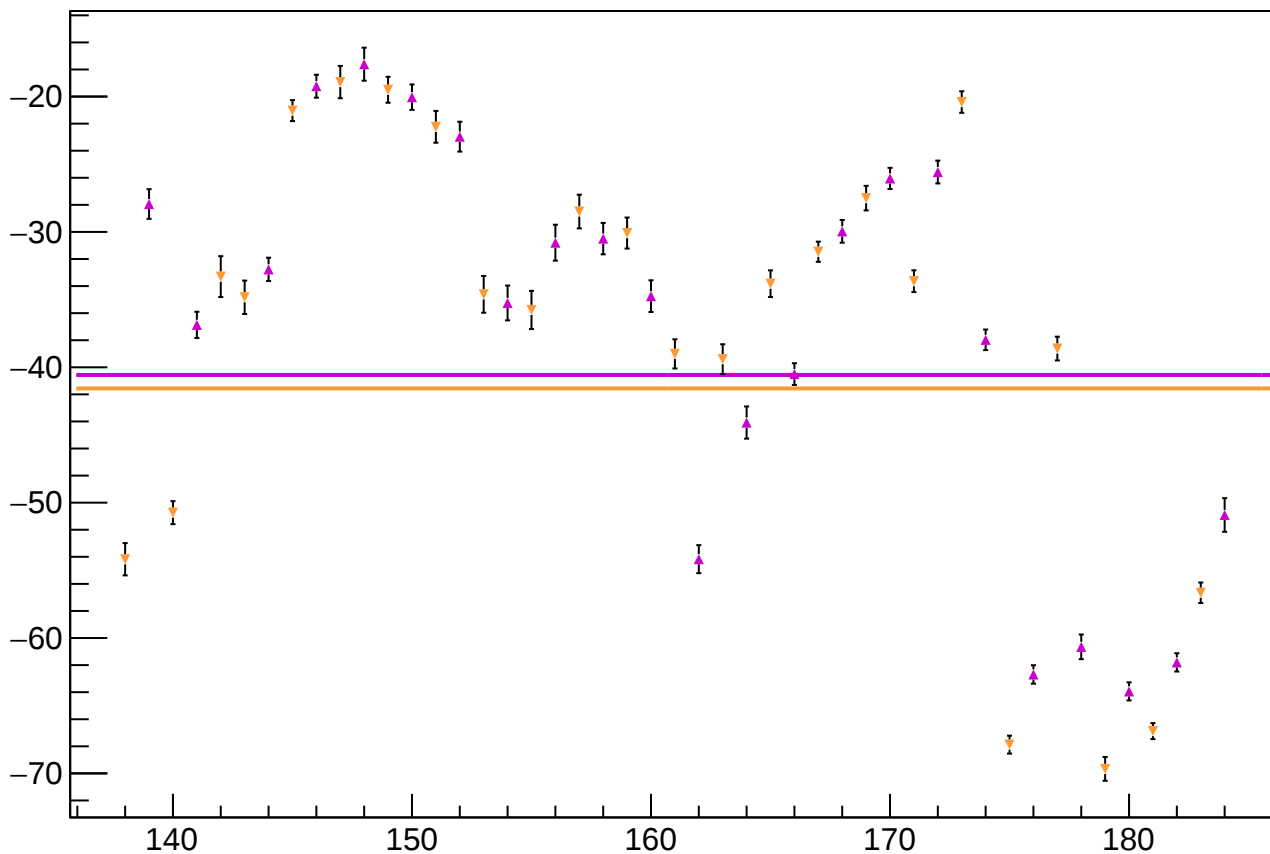
Out: 108.439 $\pm$ 0.185 χ^2 /NDF: 14337.0/42

All: 108.121 $\pm$ 0.131 χ^2 /NDF: 25826.3/82

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -41.562+/-0.189 χ^2/NDF : 8542.8/23

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

Left In: -40.567+/-0.190 χ^2/NDF : 6954.7/22

Left: -41.068+/-0.134 χ^2/NDF : 15511.4/46

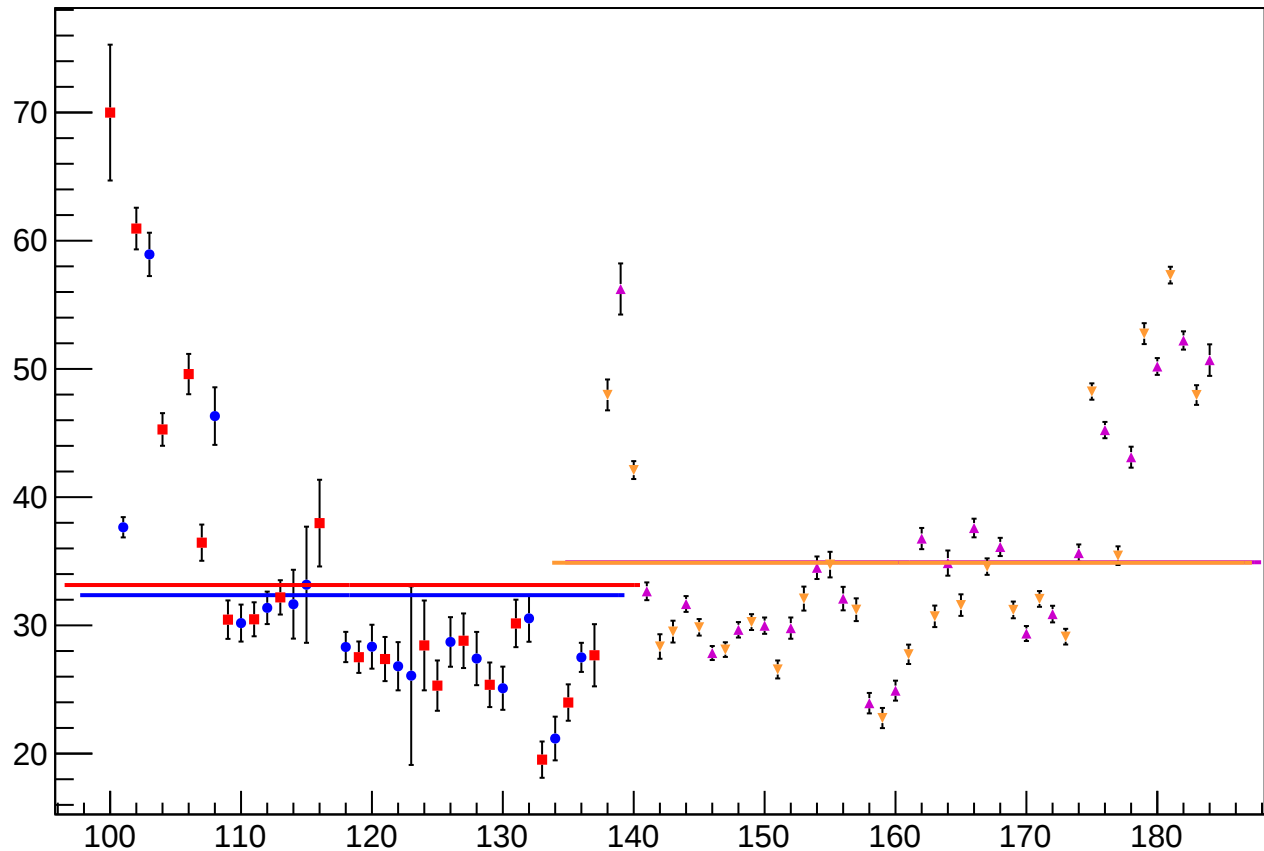
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -40.567+/-0.190 χ^2/NDF : 6954.7/22

Out: -41.562+/-0.189 χ^2/NDF : 8542.8/23

All: -41.068+/-0.134 χ^2/NDF : 15511.4/46

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: 34.886 $\pm$ 0.149 χ^2 /NDF:3638.6/23

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: 34.904 $\pm$ 0.106 χ^2 /NDF: 6311.5/46

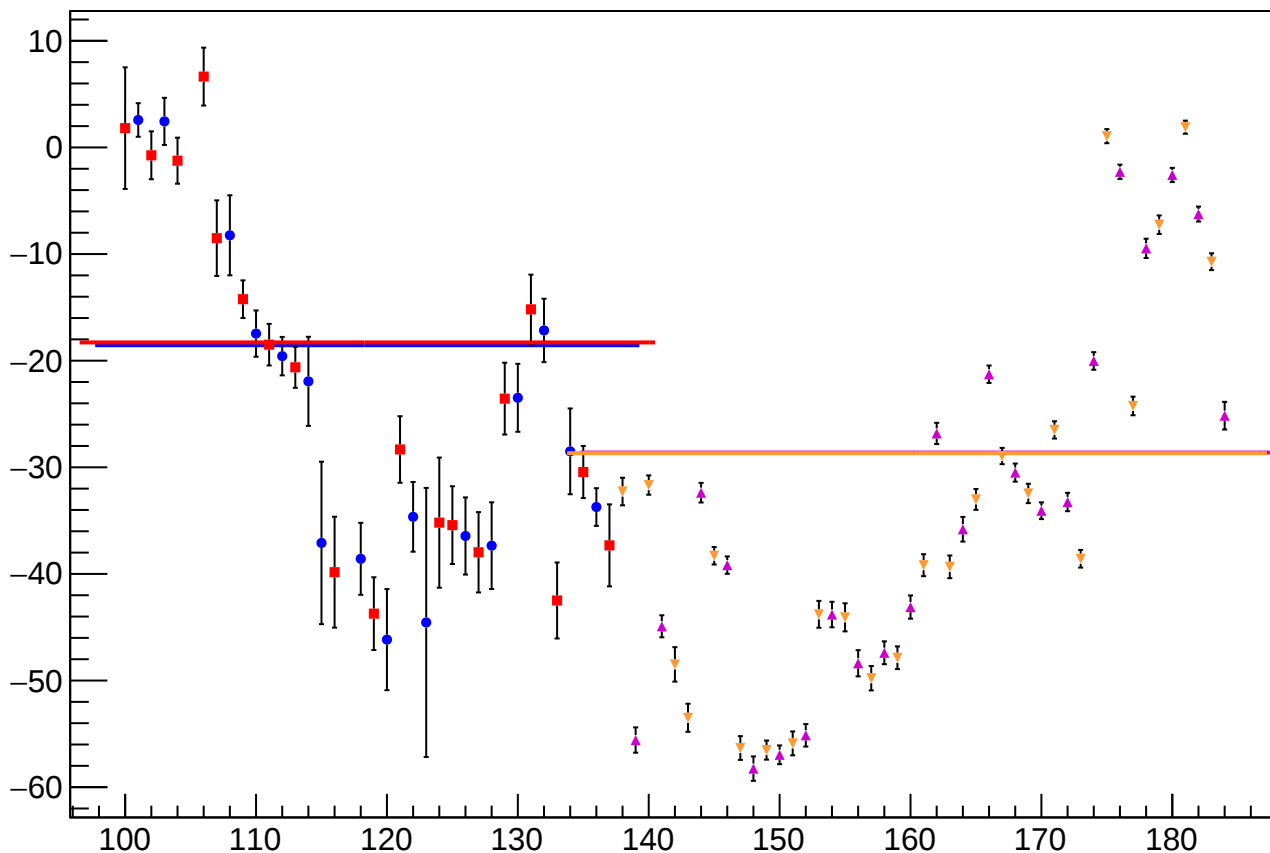
Right: 32.748 $\pm$ 0.267 χ^2 /NDF: 1226.0/35

In: 34.564 $\pm$ 0.141 χ^2 /NDF:3163.5/39

Out: 34.653 $\pm$ 0.139 χ^2 /NDF:4430.1/42

All: 34.609 $\pm$ 0.099 χ^2 /NDF: 7593.7/82

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: -28.675 ± 0.189 χ^2/NDF : 9823.0/23

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: -28.646 ± 0.134 χ^2/NDF : 18863.9/46

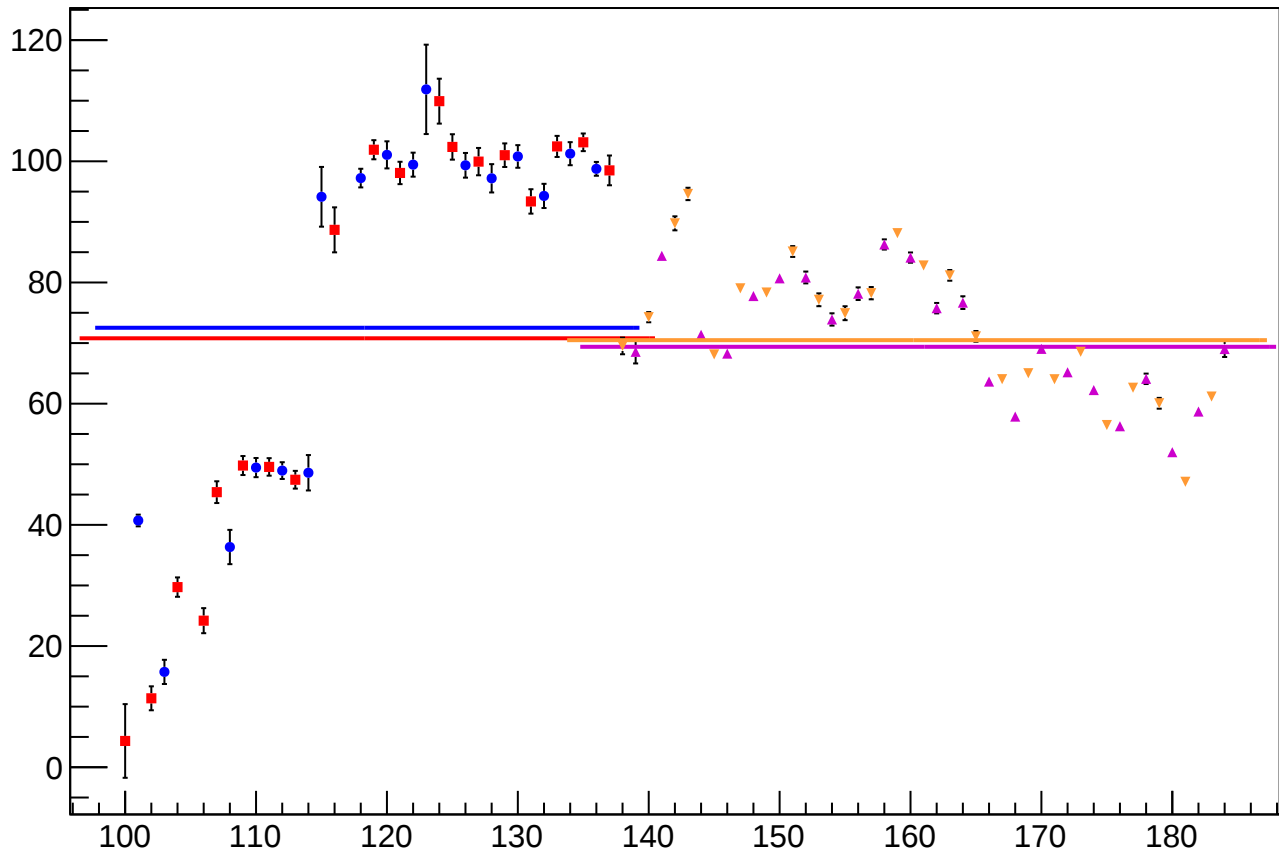
Right: -18.413 ± 0.464 χ^2/NDF : 984.6/35

In: -27.866 ± 0.183 χ^2/NDF : 9761.8/39

Out: -27.851 ± 0.182 χ^2/NDF : 10535.7/42

All: -27.858 ± 0.129 χ^2/NDF : 20297.4/82

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: 70.481 $\pm$ 0.168 χ^2 /NDF: 4480.9/23

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: 69.941 $\pm$ 0.120 χ^2 /NDF: 7823.6/46

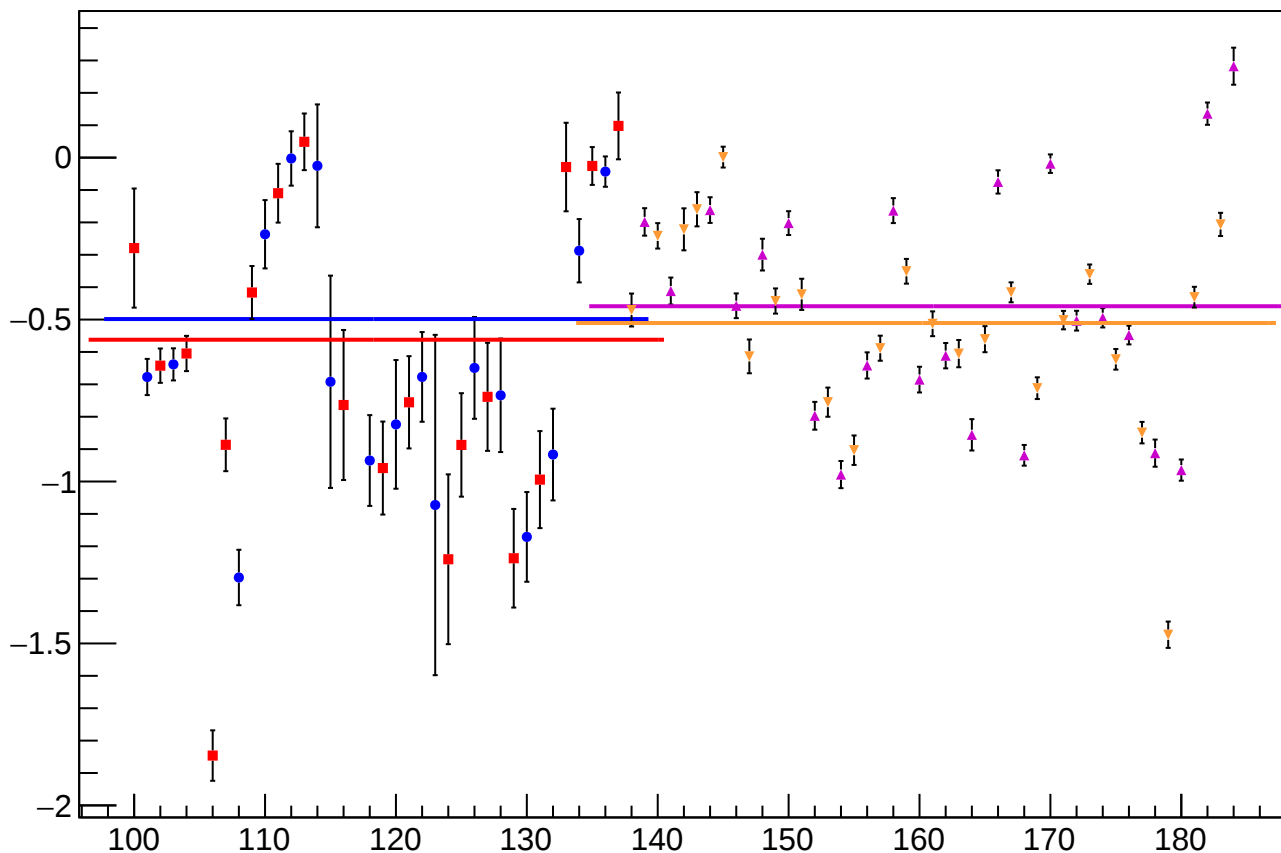
Right: 71.669 $\pm$ 0.305 χ^2 /NDF: 10174.8/35

In: 69.814 $\pm$ 0.158 χ^2 /NDF: 8040.3/39

Out: 70.521 $\pm$ 0.157 χ^2 /NDF: 9975.9/42

All: 70.171 $\pm$ 0.111 χ^2 /NDF: 18026.3/82

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: -0.511 ± 0.008 χ^2/NDF : 1335.4/23

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: -0.485 ± 0.005 χ^2/NDF : 3316.3/46

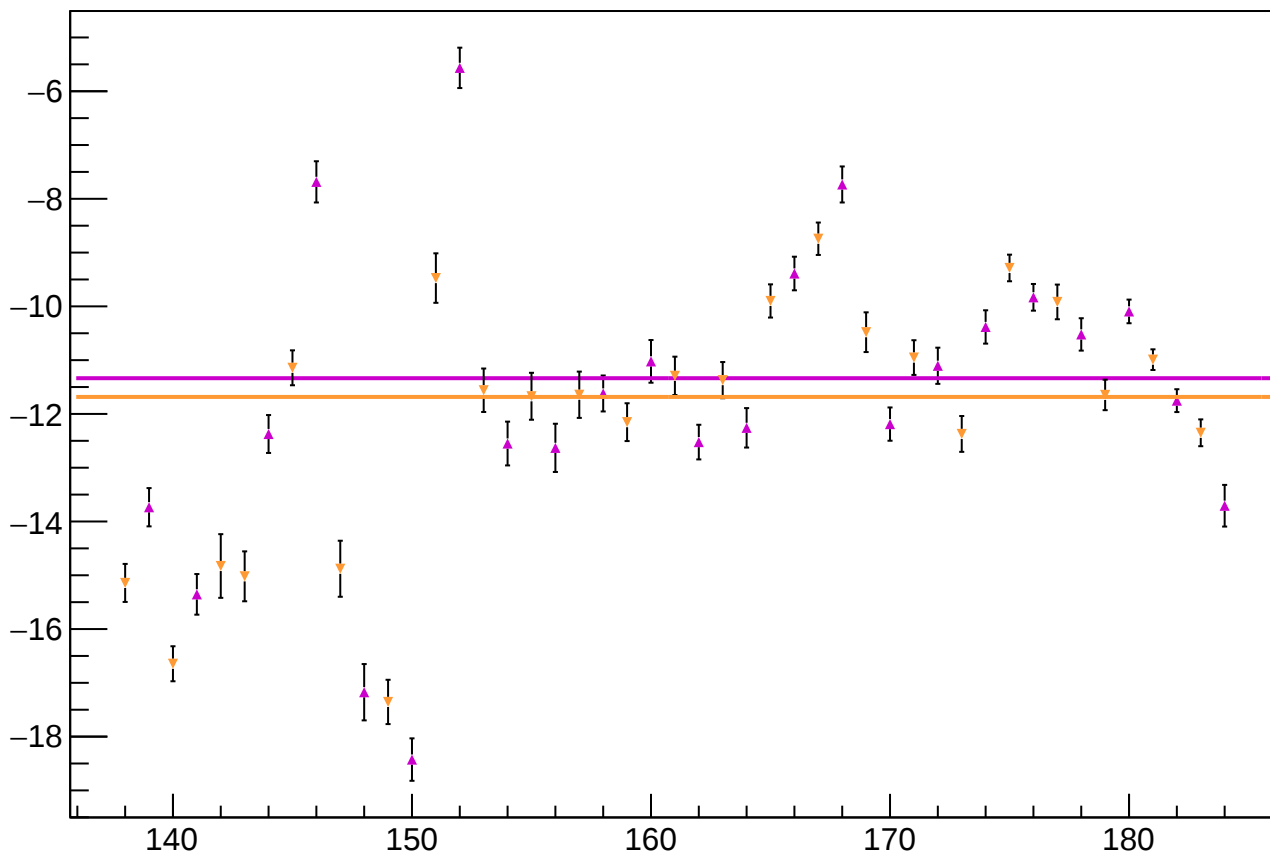
Right: -0.532 ± 0.015 χ^2/NDF : 866.6/35

In: -0.463 ± 0.007 χ^2/NDF : 2263.3/39

Out: -0.517 ± 0.007 χ^2/NDF : 1900.8/42

All: -0.490 ± 0.005 χ^2/NDF : 4191.1/82

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



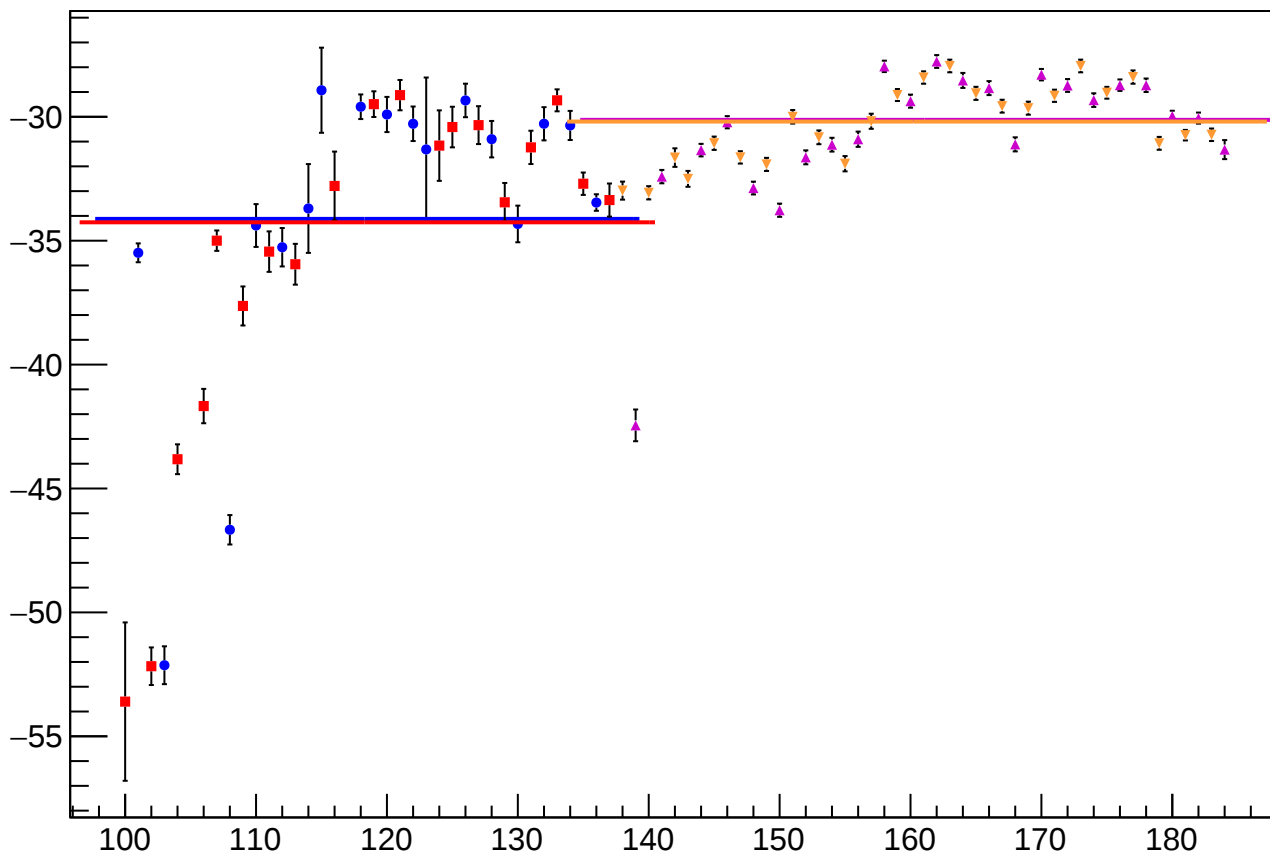
Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: -11.684+/-0.068 χ^2 /NDF:957.9/23
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: -11.336+/-0.068 χ^2 /NDF:1269.3/22

Left: -11.511+/-0.048 χ^2 /NDF: 2240.4/46
 Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: -11.336+/-0.068 χ^2 /NDF:1269.3/22
 Out: -11.684+/-0.068 χ^2 /NDF:957.9/23

All: -11.511+/-0.048 χ^2 /NDF: 2240.4/46

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.120 ± 0.152 χ^2/NDF : 1324.4/16

Left Out: -30.192 ± 0.054 χ^2/NDF : 724.2/23

Right Out: -34.258 ± 0.151 χ^2/NDF : 1356.1/18

Left In: -30.124 ± 0.056 χ^2/NDF : 1226.2/22

Left: -30.159 ± 0.039 χ^2/NDF : 1951.2/46

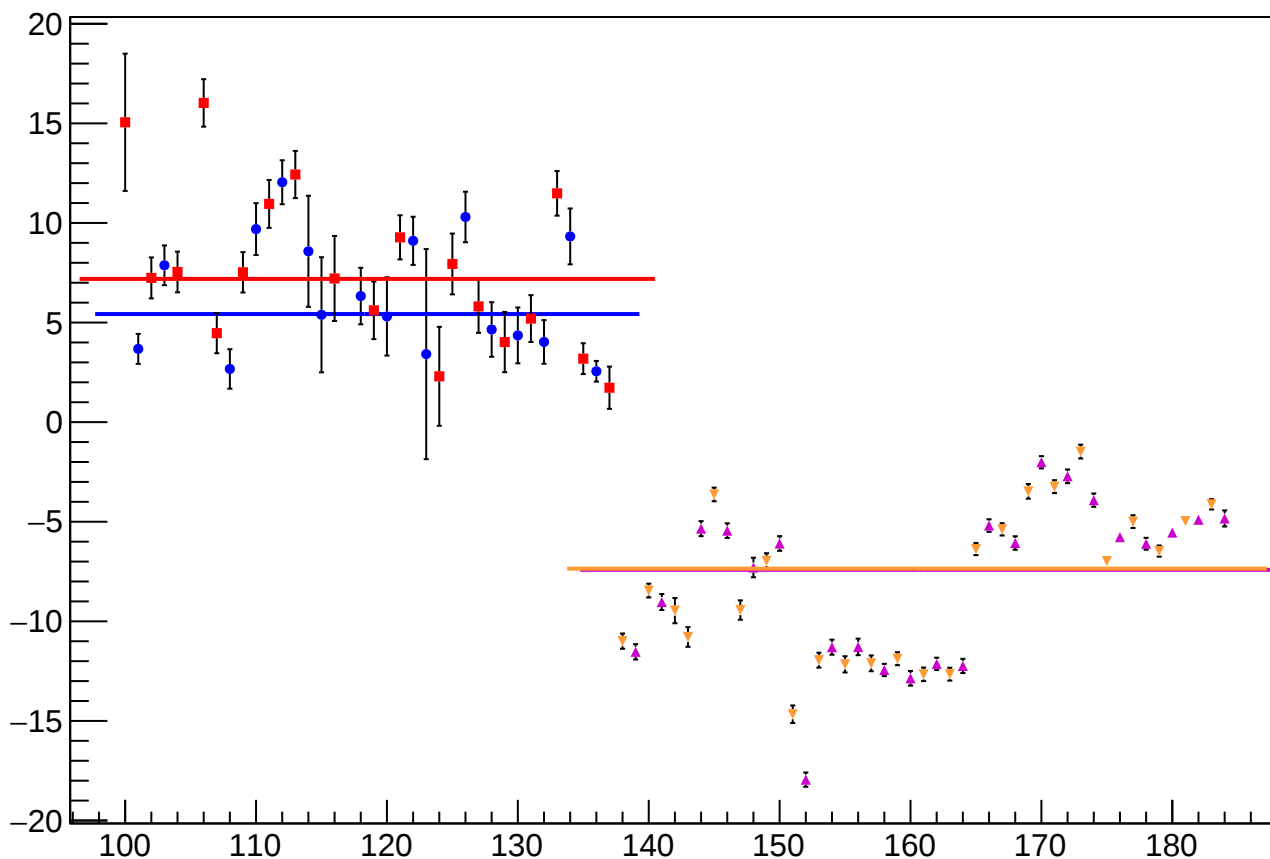
Right: -34.190 ± 0.107 χ^2/NDF : 2680.8/35

In: -30.594 ± 0.052 χ^2/NDF : 3160.7/39

Out: -30.660 ± 0.051 χ^2/NDF : 2721.9/42

All: -30.628 ± 0.037 χ^2/NDF : 5883.5/82

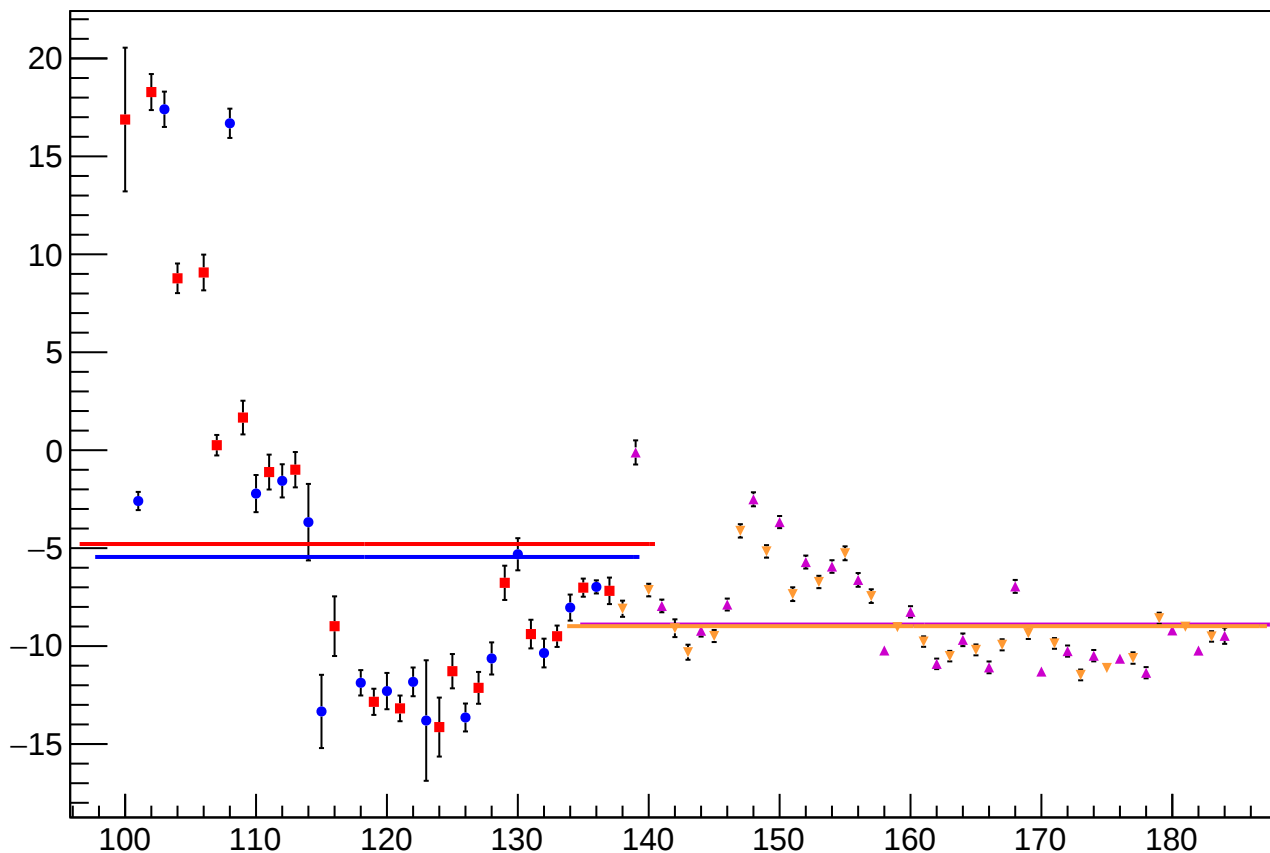
reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.427 ± 0.271 $\chi^2/\text{NDF}: 132.7/16$
 Left Out: -7.354 ± 0.068 $\chi^2/\text{NDF}: 2681.6/23$
 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: -7.384 ± 0.048 $\chi^2/\text{NDF}: 5805.3/46$
 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: -6.523 ± 0.066 $\chi^2/\text{NDF}: 5505.4/42$
 All: -6.589 ± 0.046 $\chi^2/\text{NDF}: 10880.6/82$

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: -8.983 ± 0.061 $\chi^2/\text{NDF}: 872.1/23$

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: -8.942 ± 0.043 $\chi^2/\text{NDF}: 2406.8/46$

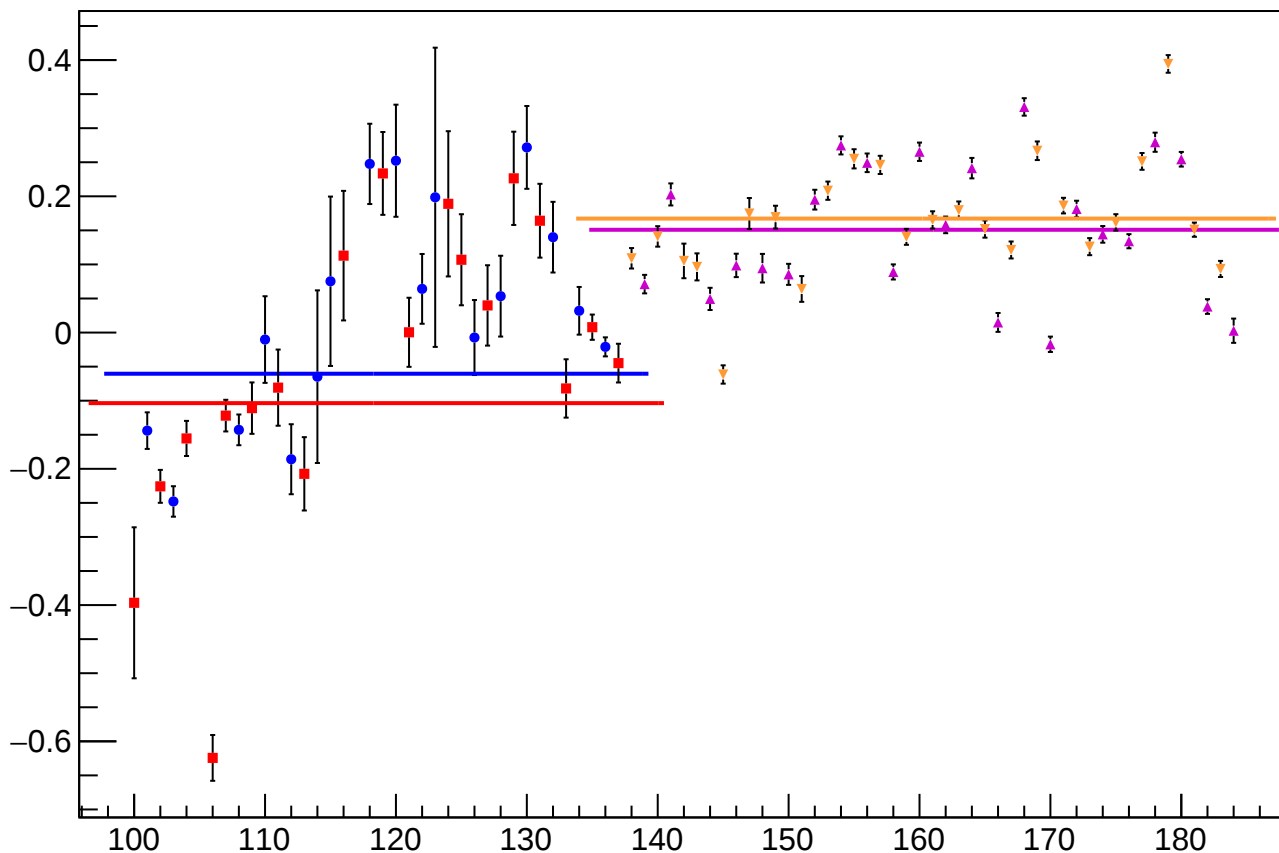
Right: -5.124 ± 0.122 $\chi^2/\text{NDF}: 4151.9/35$

In: -8.504 ± 0.058 $\chi^2/\text{NDF}: 3991.0/39$

Out: -8.522 ± 0.057 $\chi^2/\text{NDF}: 3441.6/42$

All: -8.513 ± 0.041 $\chi^2/\text{NDF}: 7432.6/82$

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: 0.167 ± 0.003 χ^2/NDF : 923.3/23

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: 0.159 ± 0.002 χ^2/NDF : 2227.5/46

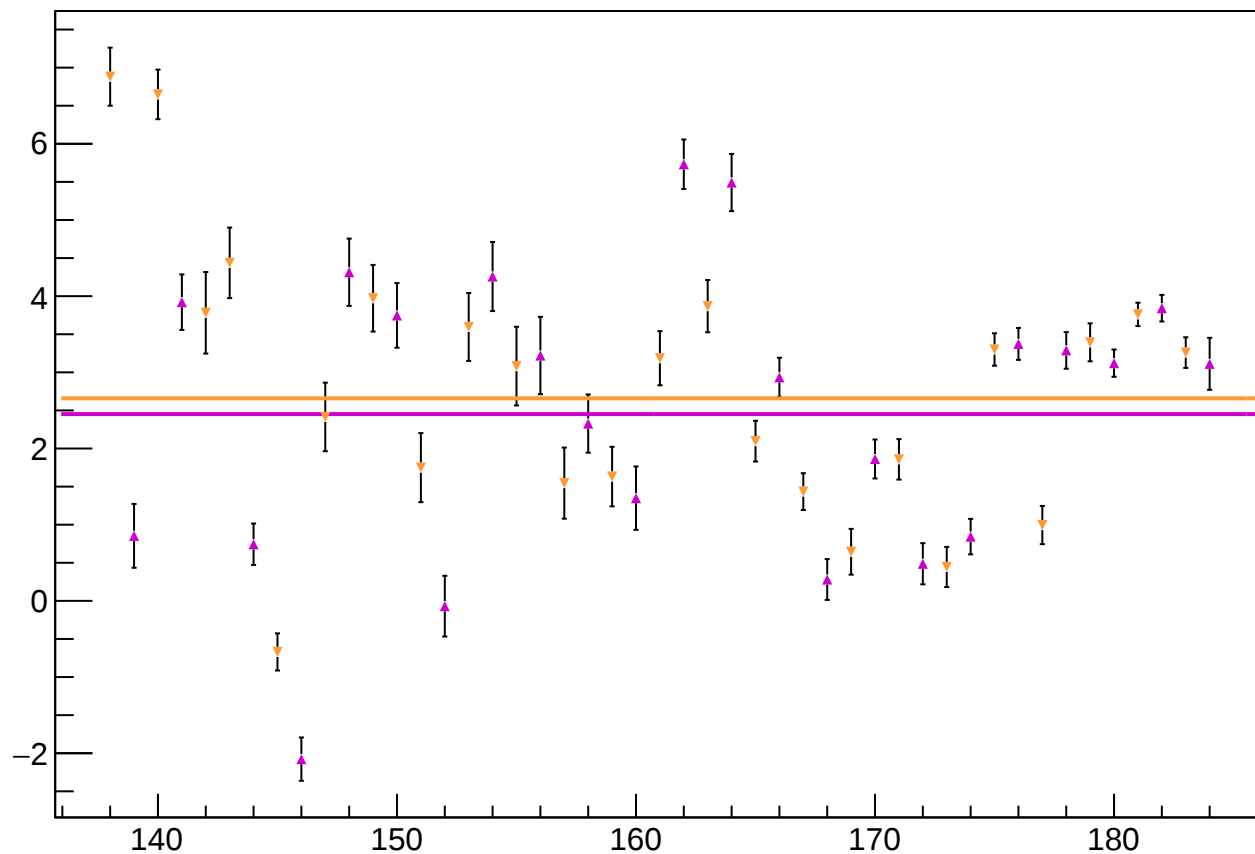
Right: -0.082 ± 0.006 χ^2/NDF : 660.7/35

In: 0.130 ± 0.003 χ^2/NDF : 2071.0/39

Out: 0.141 ± 0.003 χ^2/NDF : 2285.8/42

All: 0.136 ± 0.002 χ^2/NDF : 4365.2/82

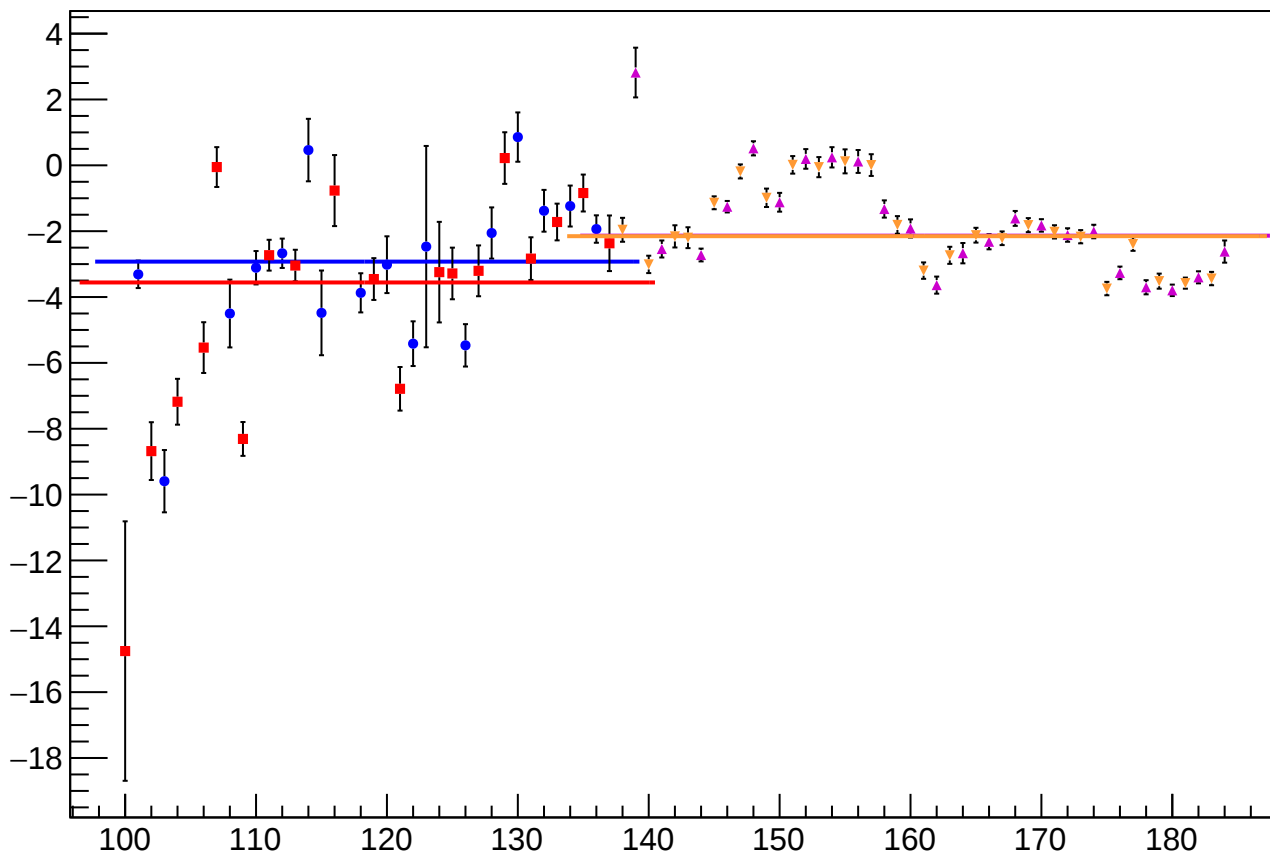
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 2.659 $\pm$ 0.059 χ^2 /NDF:801.8/23
 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: 2.556 $\pm$ 0.042 χ^2 /NDF: 1679.1/46
 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: 2.659 $\pm$ 0.059 χ^2 /NDF:801.8/23
 All: 2.556 $\pm$ 0.042 χ^2 /NDF: 1679.1/46

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: -2.152 ± 0.048 χ^2/NDF : 571.5/23

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: -2.144 ± 0.034 χ^2/NDF : 1262.8/46

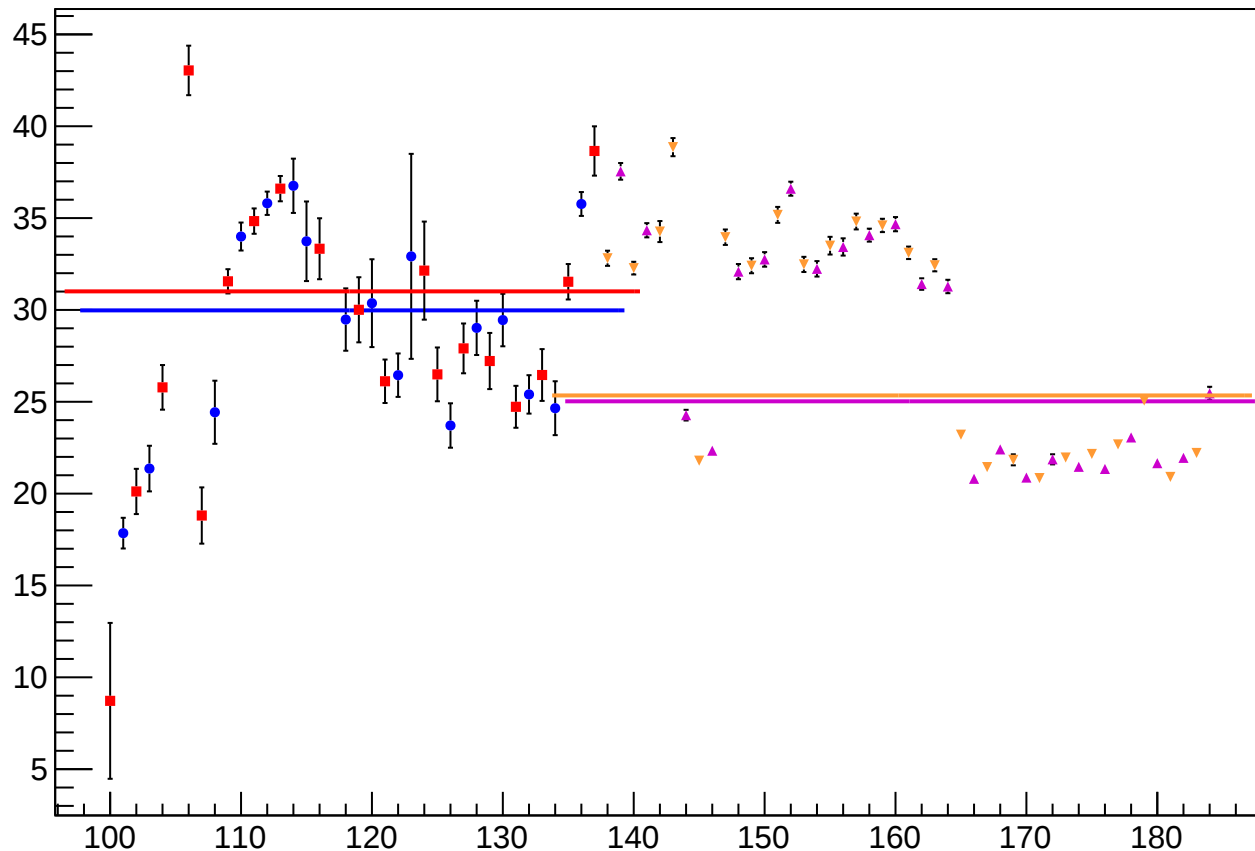
Right: -3.242 ± 0.110 χ^2/NDF : 444.1/35

In: -2.206 ± 0.046 χ^2/NDF : 859.7/39

Out: -2.277 ± 0.046 χ^2/NDF : 937.5/42

All: -2.242 ± 0.033 χ^2/NDF : 1798.3/82

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: 25.345 $\pm$ 0.060 χ^2 /NDF: 8060.2/23

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: 25.185 $\pm$ 0.042 χ^2 /NDF: 15685.1/46

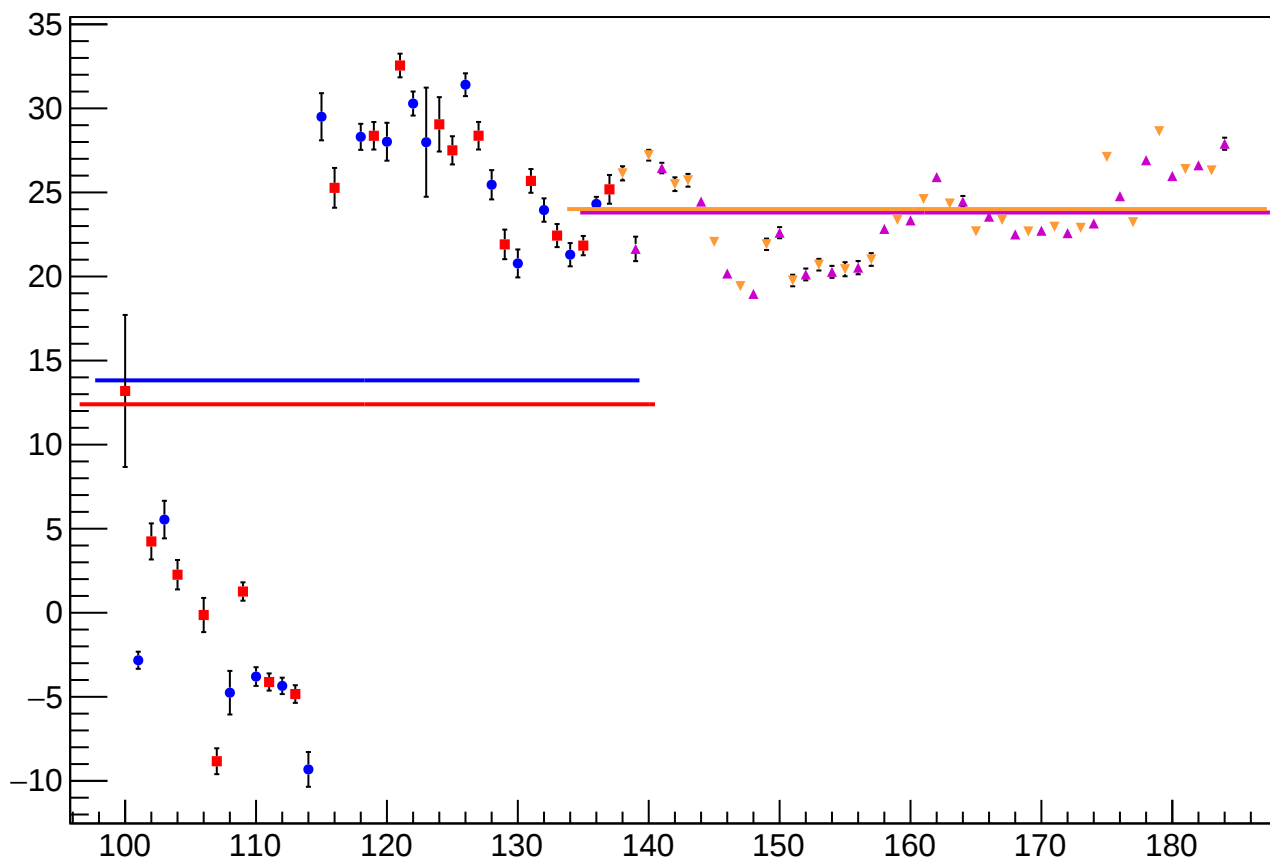
Right: 30.507 $\pm$ 0.187 χ^2 /NDF: 1040.4/35

In: 25.259 $\pm$ 0.058 χ^2 /NDF: 8490.2/39

Out: 25.628 $\pm$ 0.058 χ^2 /NDF: 8988.5/42

All: 25.443 $\pm$ 0.041 χ^2 /NDF: 17498.8/82

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: 24.011 $\pm$ 0.054 χ^2 /NDF:1874.2/23

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: 23.908 $\pm$ 0.038 χ^2 /NDF: 3642.8/46

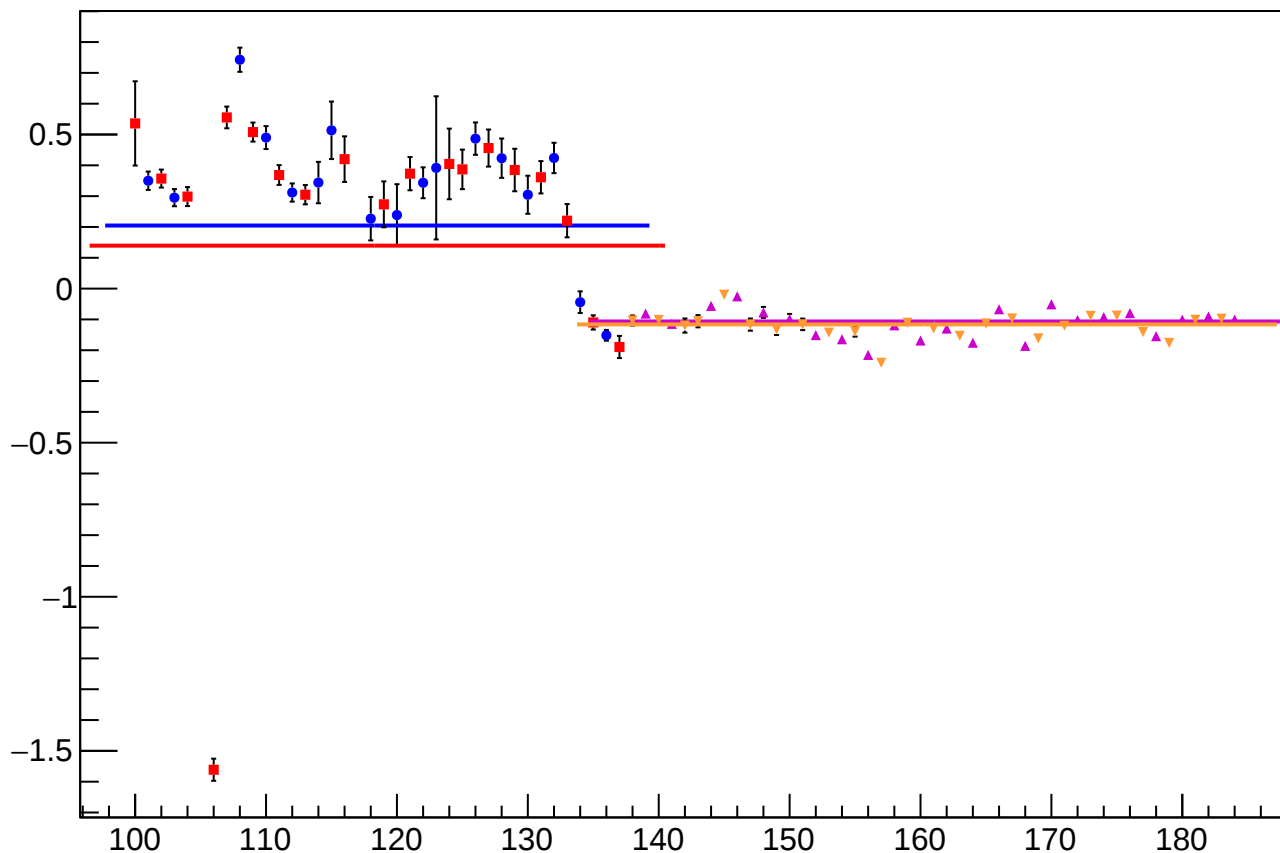
Right: 13.115 $\pm$ 0.123 χ^2 /NDF: 14261.1/35

In: 22.918 $\pm$ 0.052 χ^2 /NDF:12069.5/39

Out: 22.992 $\pm$ 0.052 χ^2 /NDF:12890.0/42

All: 22.955 $\pm$ 0.036 χ^2 /NDF: 24960.6/82

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 $\chi^2/\text{NDF}: 846.4/16$

Left Out: -0.116 ± 0.002 $\chi^2/\text{NDF}: 258.3/23$

Right Out: 0.139 ± 0.009 $\chi^2/\text{NDF}: 3013.6/18$

Left In: -0.107 ± 0.002 $\chi^2/\text{NDF}: 321.8/22$

Left: -0.111 ± 0.002 $\chi^2/\text{NDF}: 587.5/46$

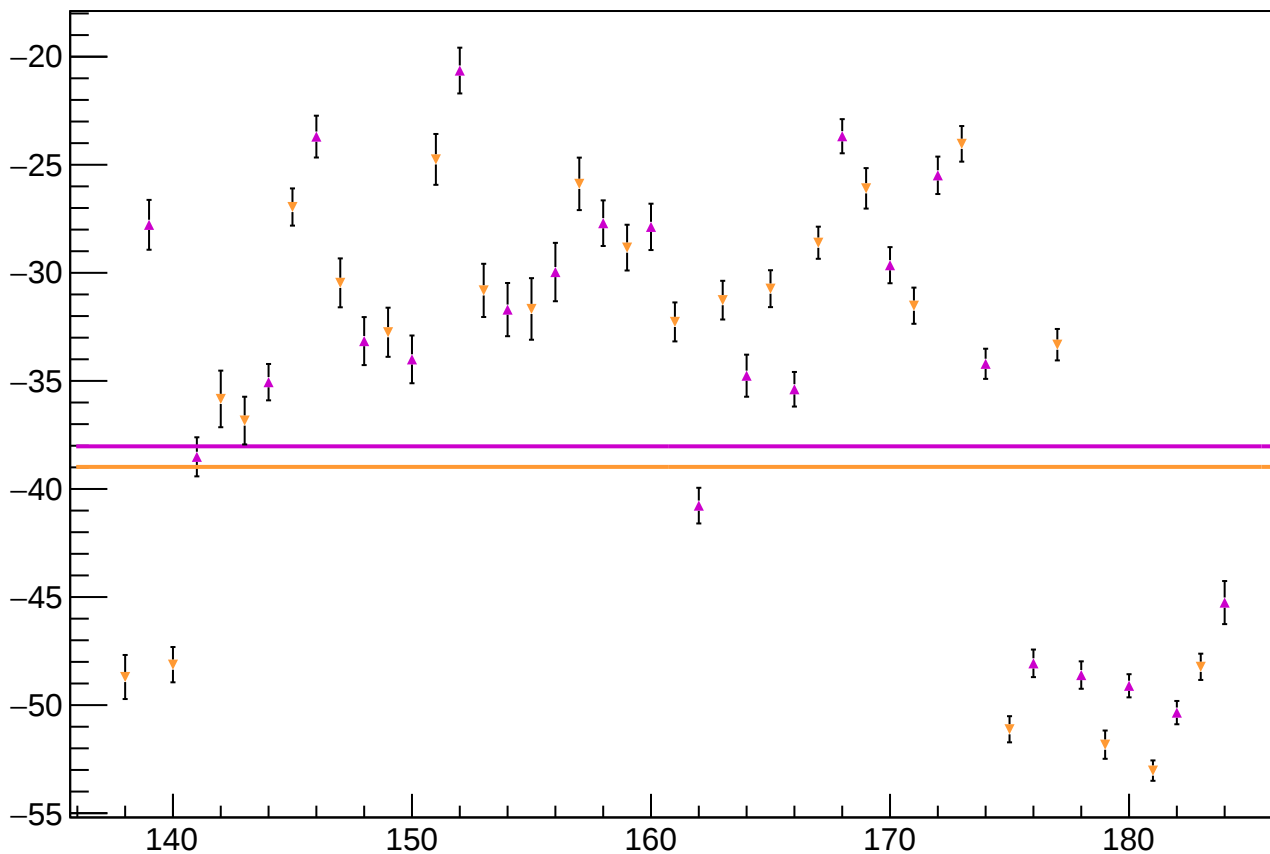
Right: 0.171 ± 0.007 $\chi^2/\text{NDF}: 3884.7/35$

In: -0.087 ± 0.002 $\chi^2/\text{NDF}: 2197.7/39$

Out: -0.099 ± 0.002 $\chi^2/\text{NDF}: 3989.4/42$

All: -0.093 ± 0.002 $\chi^2/\text{NDF}: 6200.7/82$

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -38.979+/-0.171 χ^2/NDF :3917.5/23

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

Left In: -38.027+/-0.173 χ^2/NDF :3091.9/22

Left: -38.508+/-0.122 χ^2/NDF : 7024.7/46

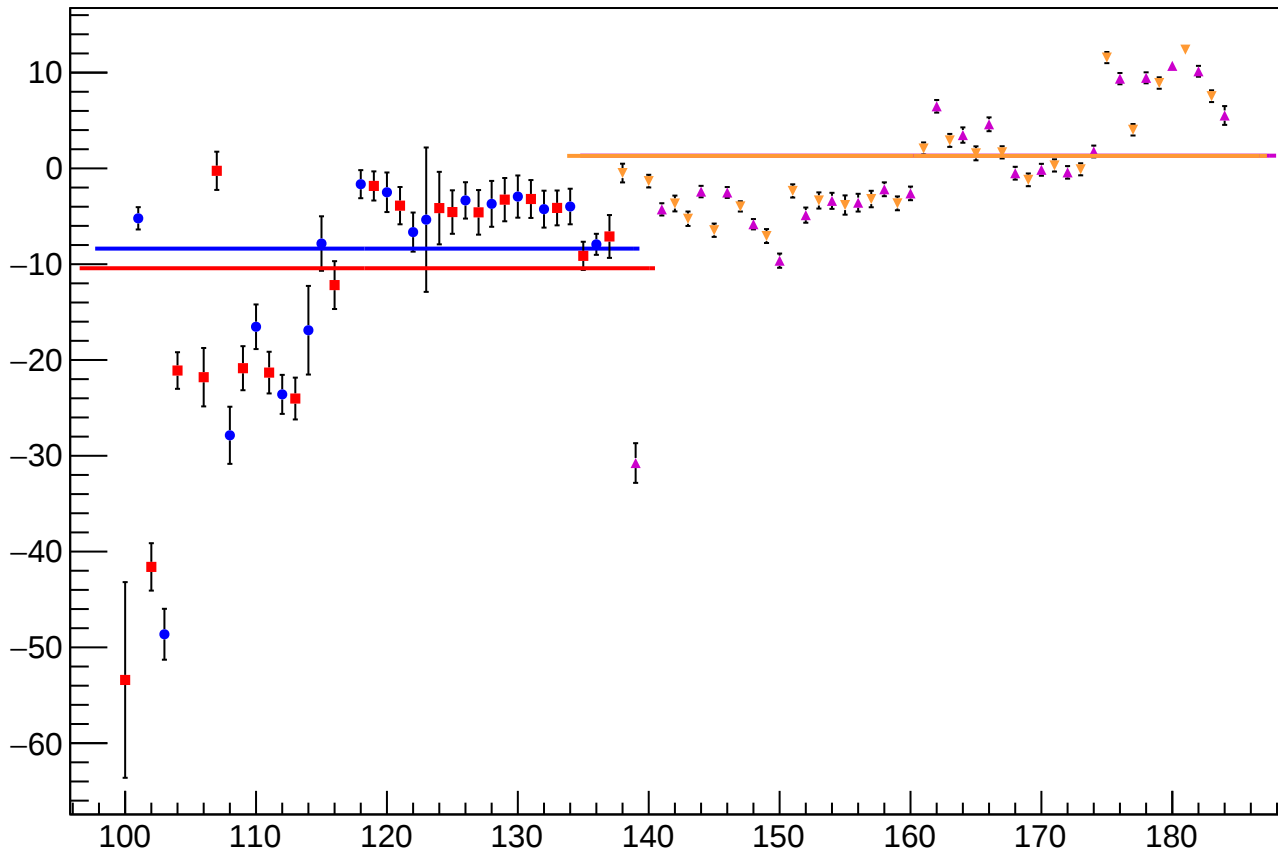
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.027+/-0.173 χ^2/NDF :3091.9/22

Out: -38.979+/-0.171 χ^2/NDF :3917.5/23

All: -38.508+/-0.122 χ^2/NDF : 7024.7/46

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.373 ± 0.467 χ^2/NDF : 408.5/16

Left Out: 1.306 ± 0.138 χ^2/NDF : 1723.2/23

Right Out: -10.423 ± 0.492 χ^2/NDF : 429.8/18

Left In: 1.329 ± 0.140 χ^2/NDF : 2048.0/22

Left: 1.318 ± 0.098 χ^2/NDF : 3771.2/46

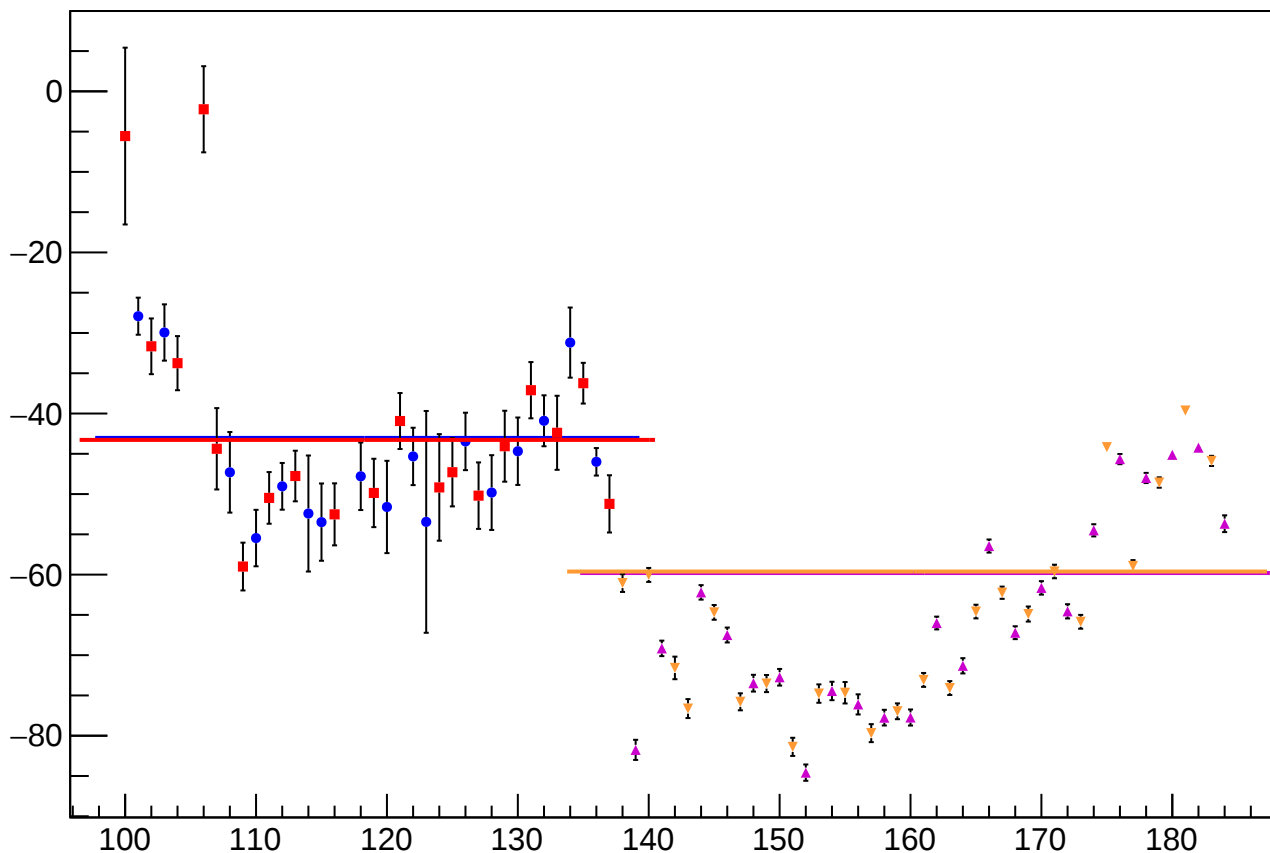
Right: -9.345 ± 0.338 χ^2/NDF : 847.5/35

In: 0.530 ± 0.134 χ^2/NDF : 2853.3/39

Out: 0.455 ± 0.132 χ^2/NDF : 2680.9/42

All: 0.492 ± 0.094 χ^2/NDF : 5534.3/82

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: -59.615 ± 0.172 $\chi^2/\text{NDF}: 5769.3/23$

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: -59.708 ± 0.122 $\chi^2/\text{NDF}: 10987.5/46$

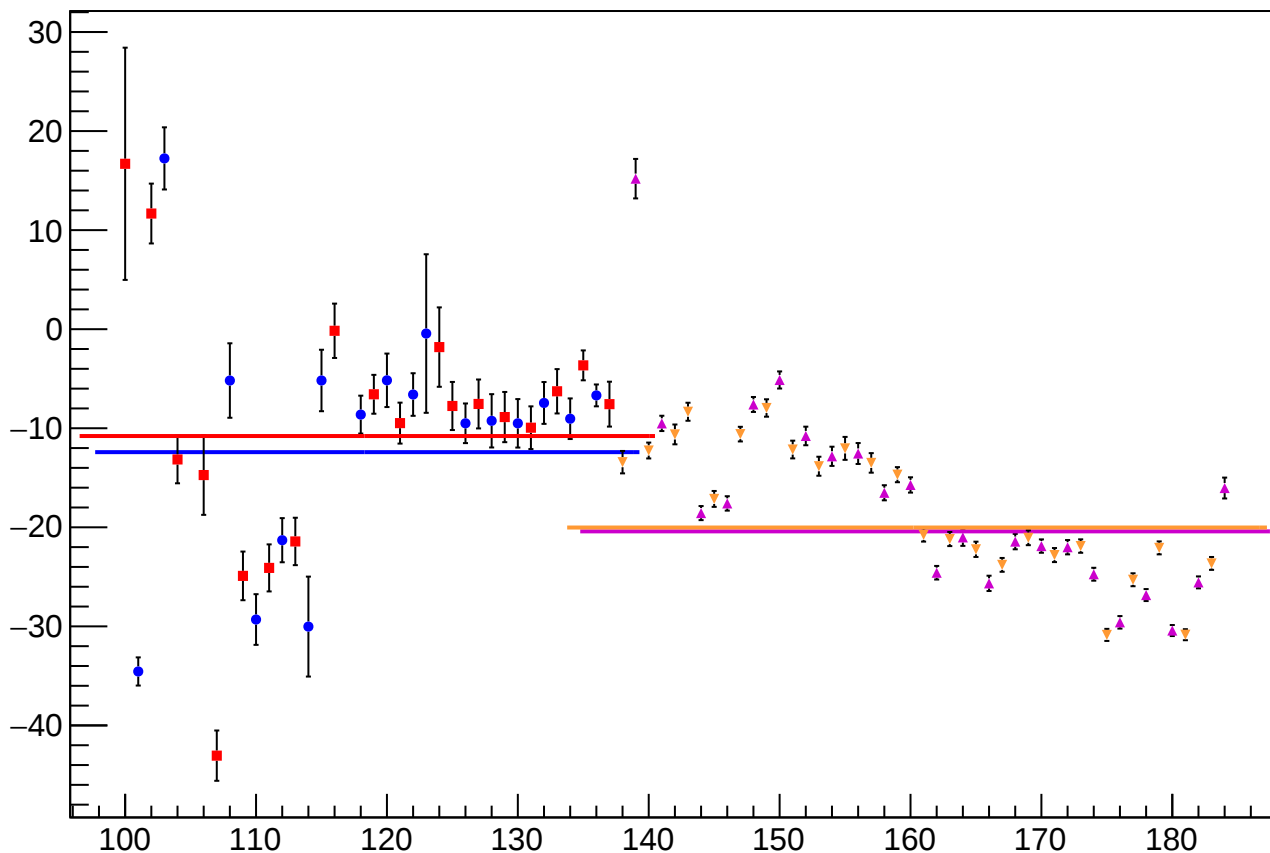
Right: -43.147 ± 0.603 $\chi^2/\text{NDF}: 253.2/35$

In: -59.115 ± 0.170 $\chi^2/\text{NDF}: 5700.3/39$

Out: -58.997 ± 0.169 $\chi^2/\text{NDF}: 6264.4/42$

All: -59.056 ± 0.120 $\chi^2/\text{NDF}: 11965.0/82$

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: -20.022 ± 0.155 χ^2/NDF : 1871.0/23

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: -20.213 ± 0.110 χ^2/NDF : 4176.0/46

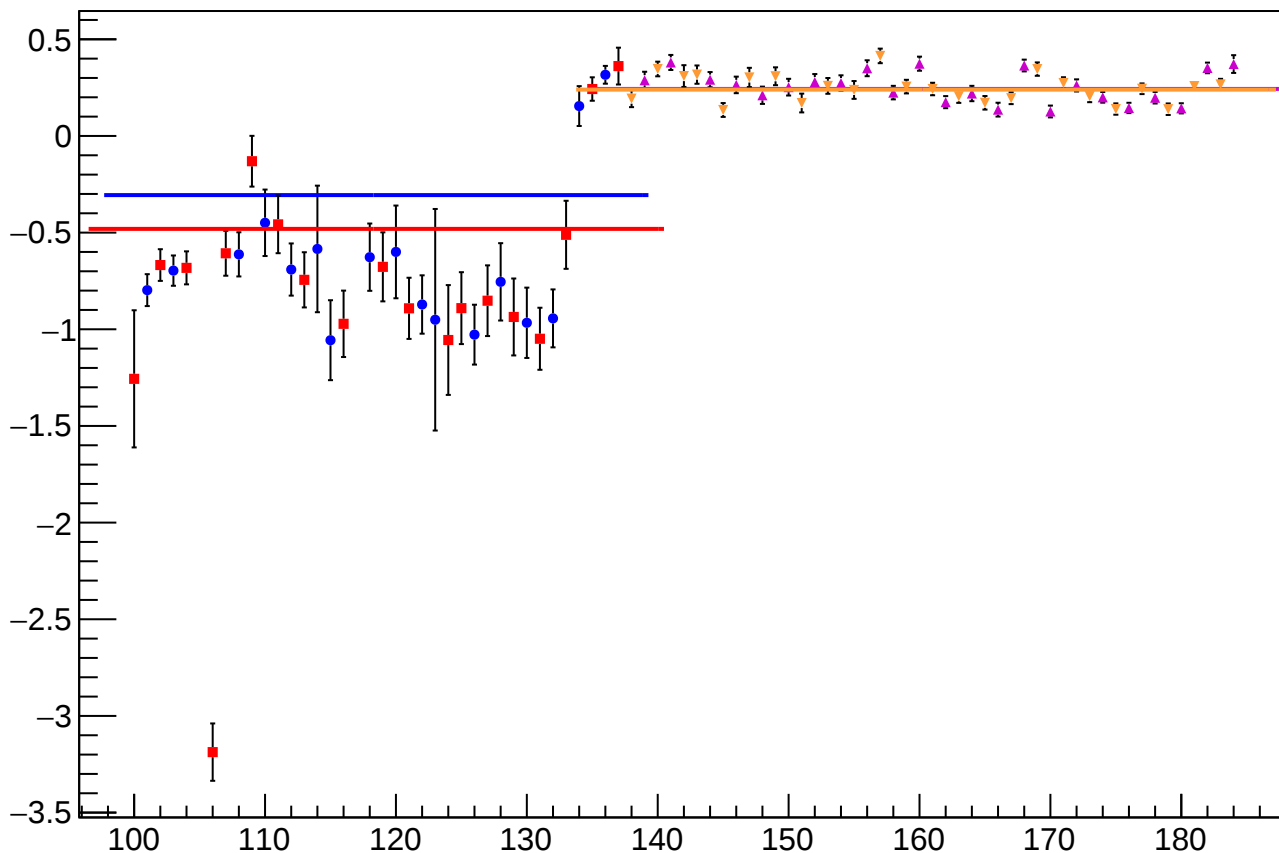
Right: -11.645 ± 0.381 χ^2/NDF : 844.0/35

In: -19.753 ± 0.150 χ^2/NDF : 2989.5/39

Out: -19.355 ± 0.149 χ^2/NDF : 2494.2/42

All: -19.553 ± 0.106 χ^2/NDF : 5487.2/82

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: 0.240 ± 0.007 χ^2/NDF : 93.1/23

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 : 231.5/46

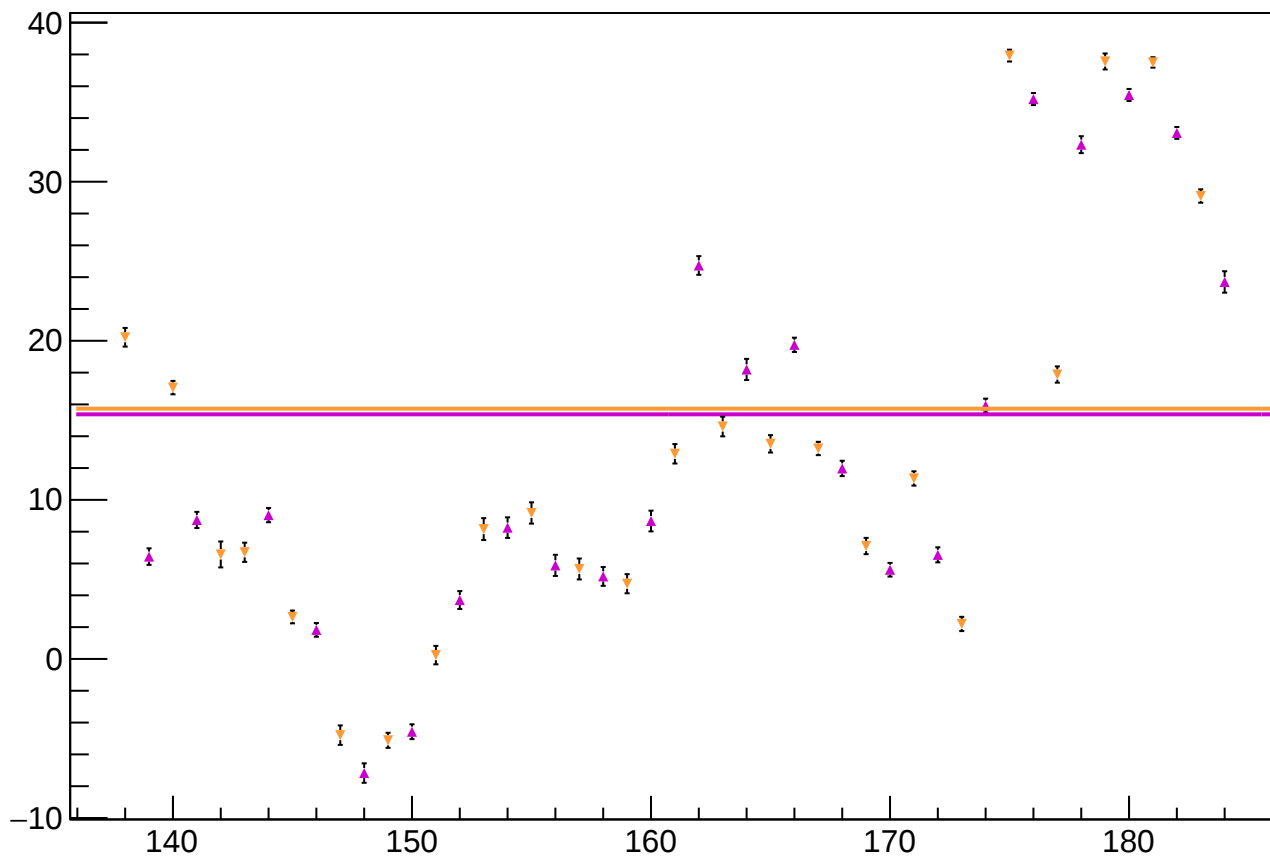
Right: -0.390 ± 0.020 χ^2/NDF : 1018.8/35

In: 0.209 ± 0.007 χ^2/NDF : 881.2/39

Out: 0.197 ± 0.007 χ^2/NDF : 1317.2/42

All: 0.203 ± 0.005 χ^2/NDF : 2199.6/82

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 15.733+/-0.102 χ^2/NDF :18267.1/23

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

Left In: 15.377+/-0.103 χ^2/NDF :16268.9/22

Left: 15.557+/-0.072 χ^2/NDF : 34542.0/46

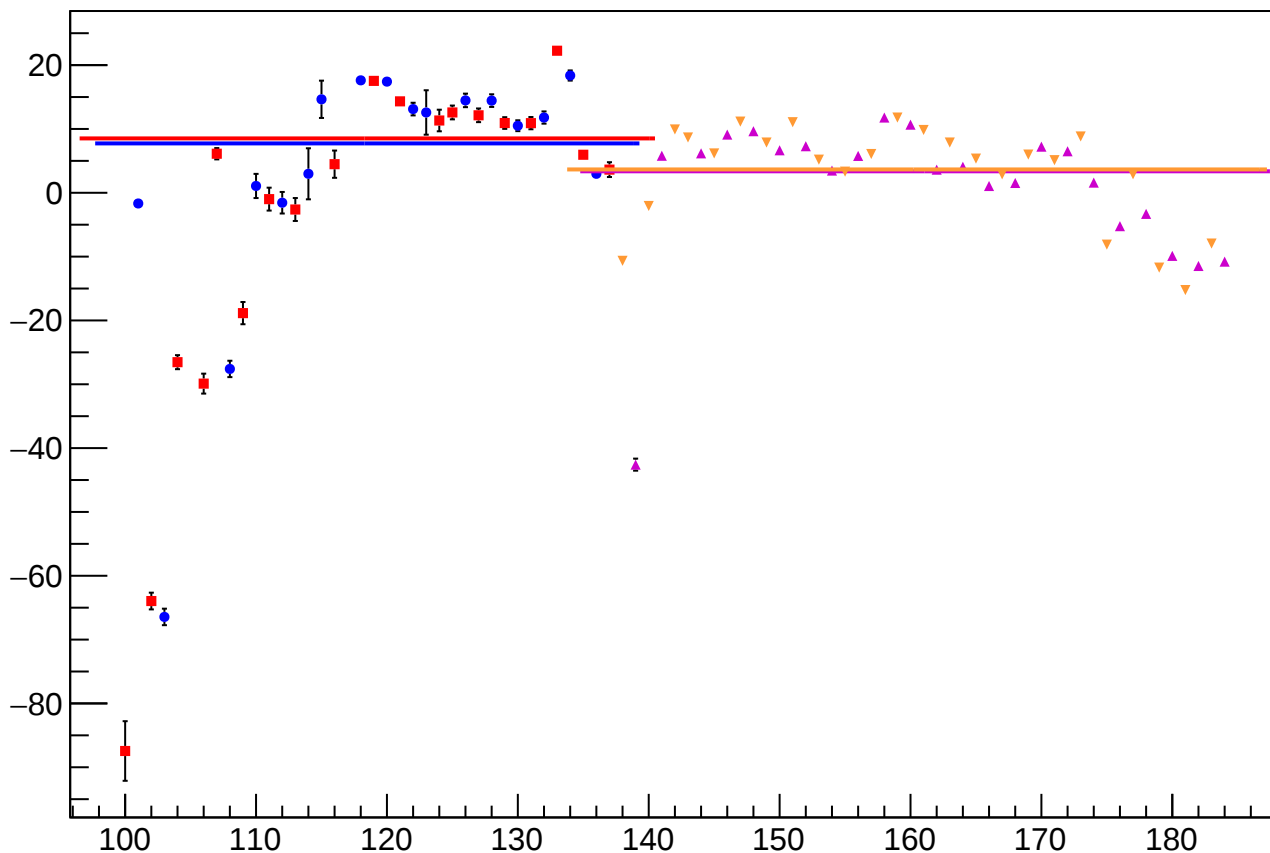
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 15.377+/-0.103 χ^2/NDF :16268.9/22

Out: 15.733+/-0.102 χ^2/NDF :18267.1/23

All: 15.557+/-0.072 χ^2/NDF : 34542.0/46

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.736 ± 0.218 $\chi^2/\text{NDF}: 5301.4/16$

Left Out: 3.657 ± 0.080 $\chi^2/\text{NDF}: 9162.7/23$

Right Out: 8.518 ± 0.214 $\chi^2/\text{NDF}: 6720.6/18$

Left In: 3.365 ± 0.081 $\chi^2/\text{NDF}: 8527.0/22$

Left: 3.514 ± 0.057 $\chi^2/\text{NDF}: 17696.3/46$

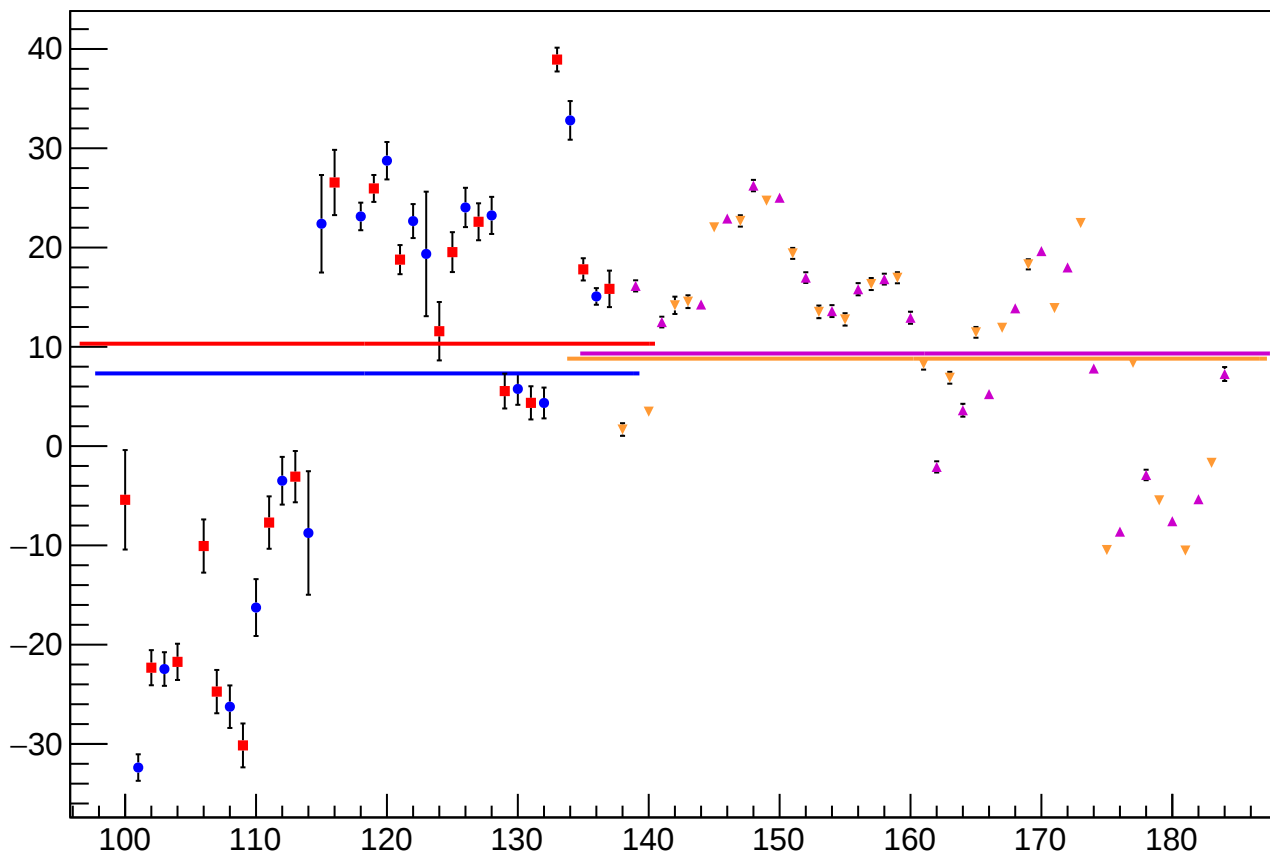
Right: 8.135 ± 0.153 $\chi^2/\text{NDF}: 12028.5/35$

In: 3.897 ± 0.076 $\chi^2/\text{NDF}: 14180.5/39$

Out: 4.250 ± 0.075 $\chi^2/\text{NDF}: 16338.4/42$

All: 4.077 ± 0.053 $\chi^2/\text{NDF}: 30529.9/82$

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.321+/-0.419 χ^2/NDF : 2291.7/16

Left Out: 8.808+/-0.102 χ^2/NDF :12772.6/23

Right Out: 10.315+/-0.418 χ^2/NDF : 2282.9/18

Left In: 9.328+/-0.103 χ^2/NDF :11968.5/22

Left: 9.067+/-0.072 χ^2/NDF : 24754.0/46

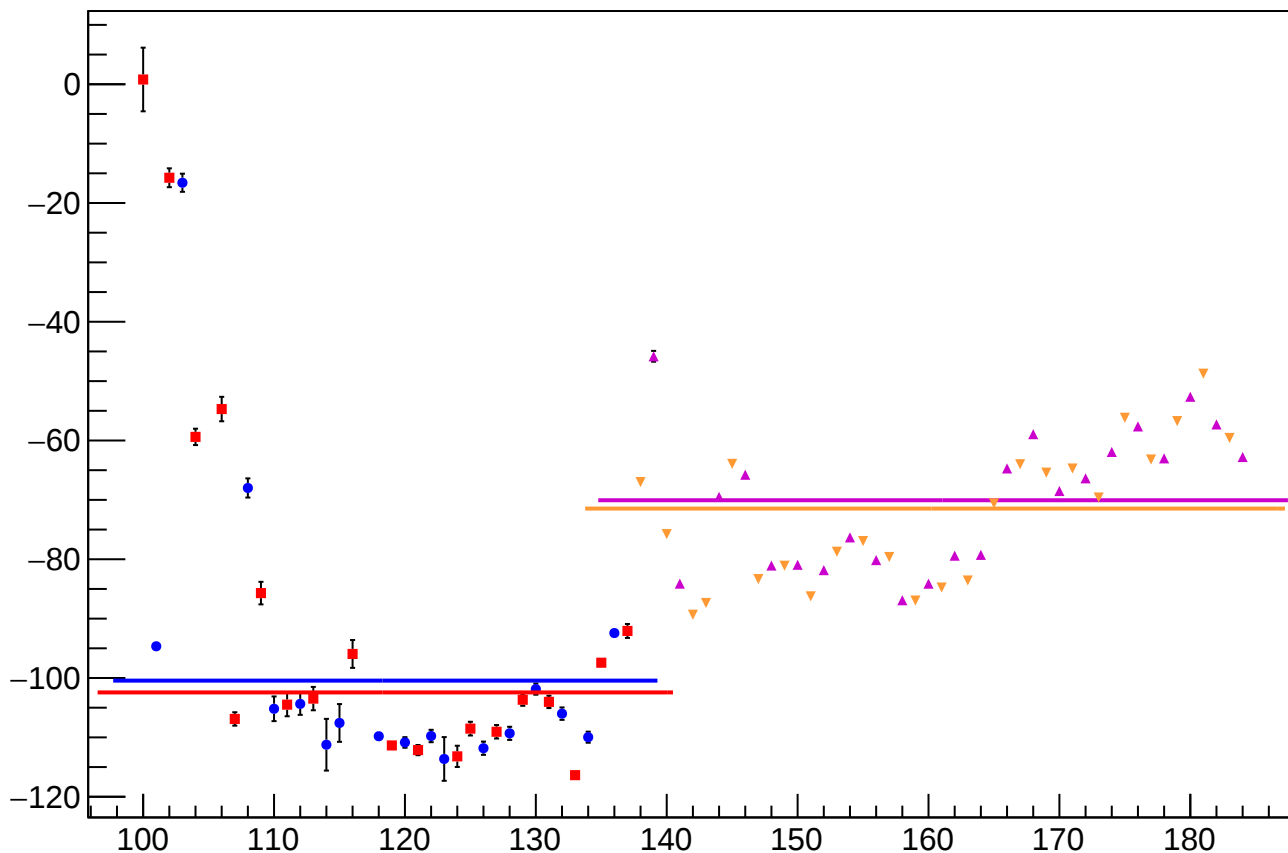
Right: 8.823+/-0.296 χ^2/NDF : 4600.1/35

In: 9.215+/-0.100 χ^2/NDF :14281.8/39

Out: 8.893+/-0.099 χ^2/NDF :15067.8/42

All: 9.053+/-0.070 χ^2/NDF : 29354.8/82

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: -71.464 ± 0.090 χ^2/NDF : 16176.6/23

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: -70.773 ± 0.064 χ^2/NDF : 29353.9/46

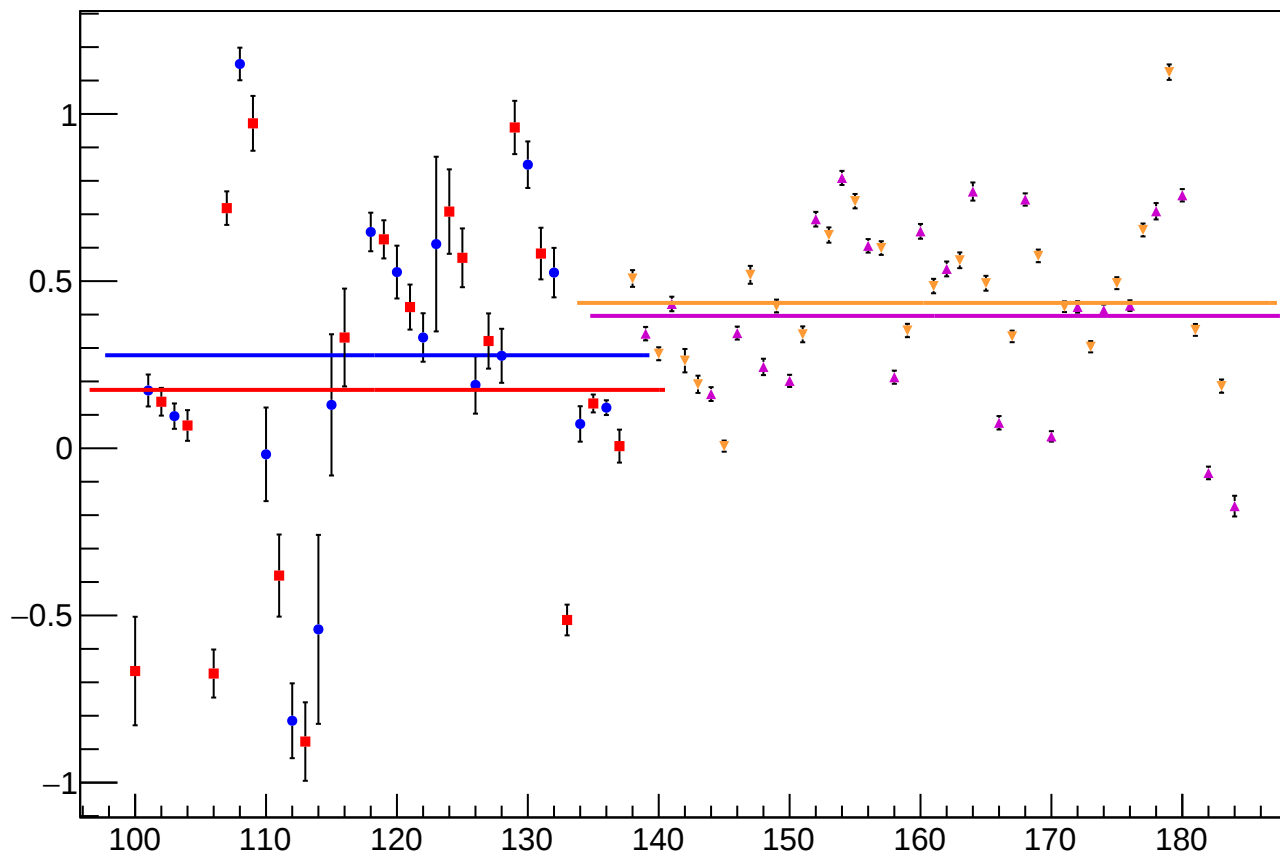
Right: -101.452 ± 0.176 χ^2/NDF : 10585.7/35

In: -73.639 ± 0.086 χ^2/NDF : 30437.3/39

Out: -75.126 ± 0.085 χ^2/NDF : 36165.4/42

All: -74.394 ± 0.060 χ^2/NDF : 66754.0/82

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: 0.435 $\pm$ 0.004 χ^2 /NDF:2625.1/23

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: 0.416 $\pm$ 0.003 χ^2 /NDF: 6720.1/46

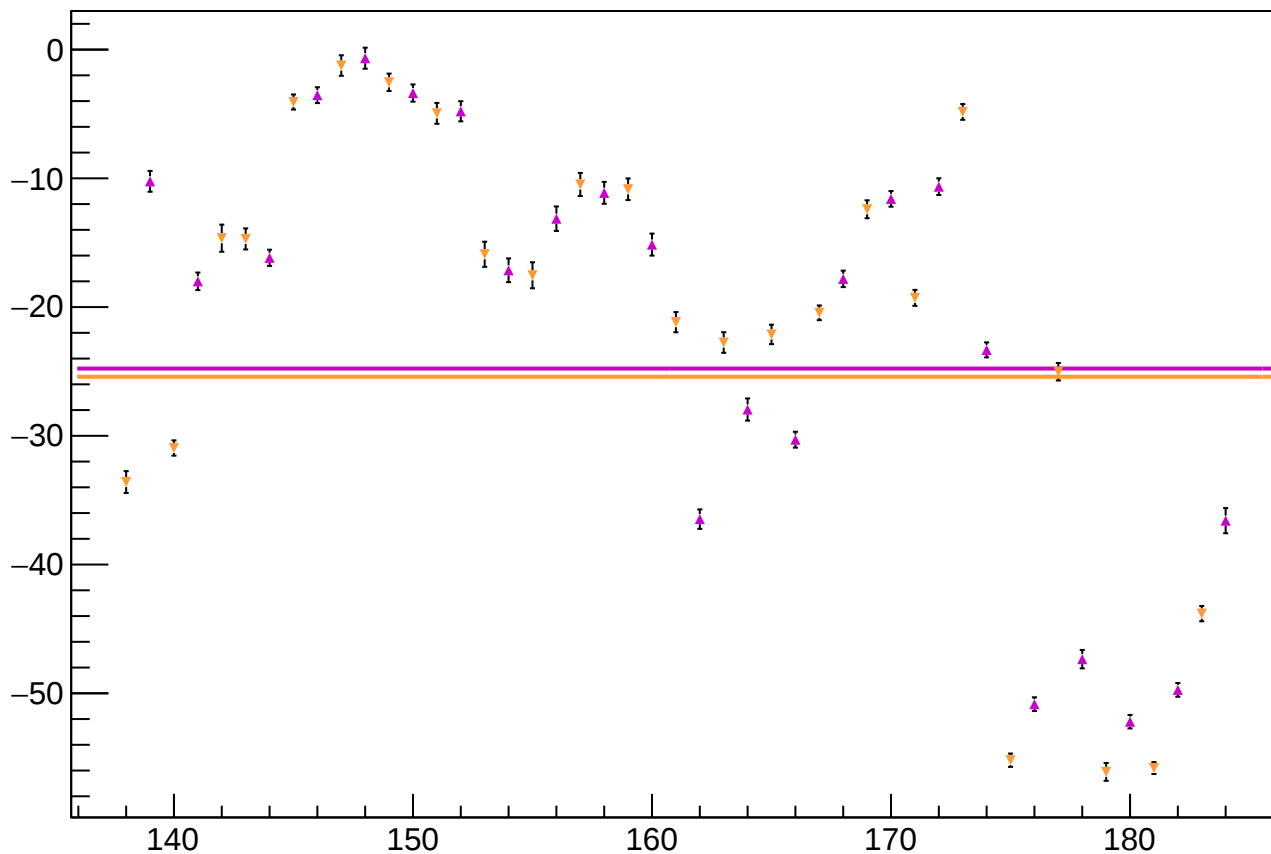
Right: 0.226 $\pm$ 0.010 χ^2 /NDF: 1649.0/35

In: 0.386 $\pm$ 0.004 χ^2 /NDF:4774.2/39

Out: 0.412 $\pm$ 0.004 χ^2 /NDF:3930.8/42

All: 0.399 $\pm$ 0.003 χ^2 /NDF: 8727.2/82

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: -25.411+/-0.141 χ^2/NDF :17406.8/23

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: -25.096+/-0.100 χ^2/NDF : 32224.2/46

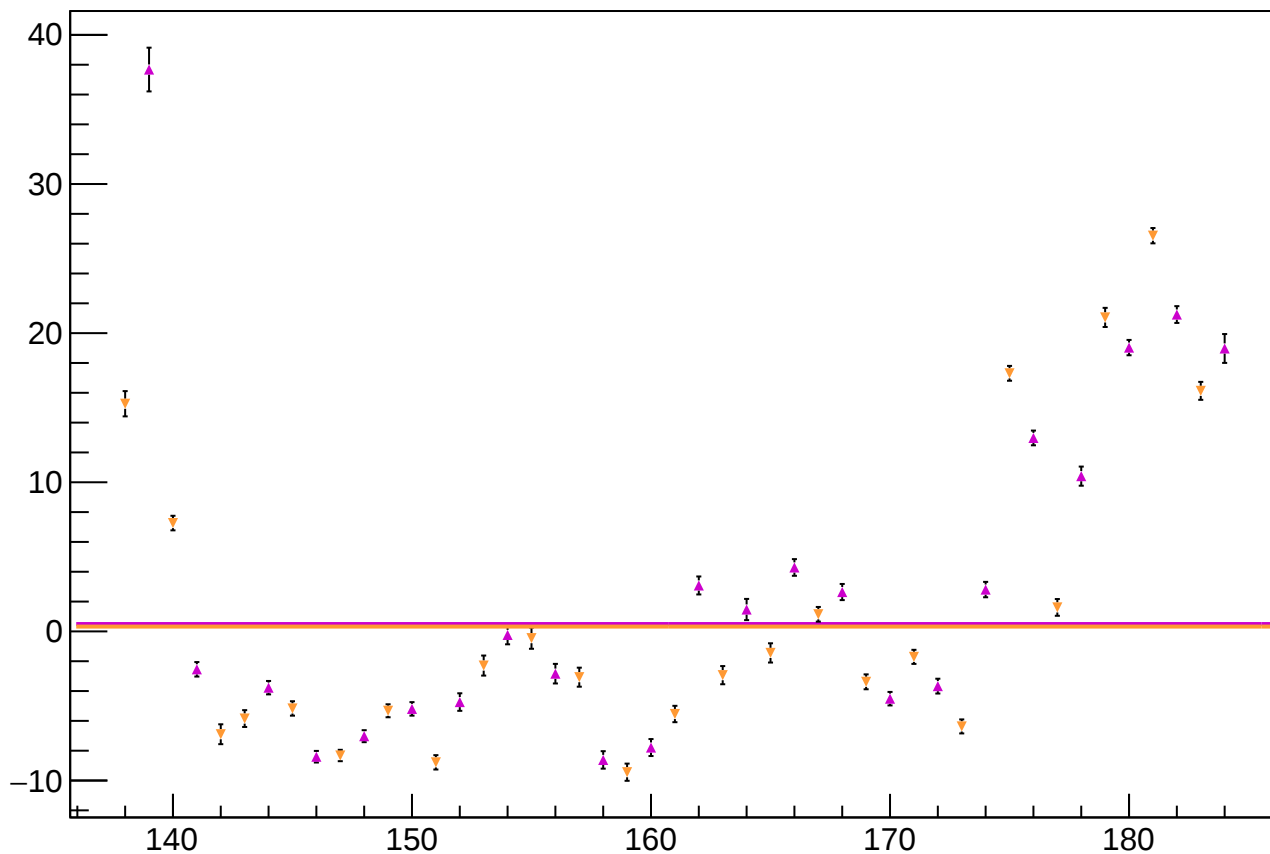
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.775+/-0.143 χ^2/NDF :14807.4/22

Out: -25.411+/-0.141 χ^2/NDF :17406.8/23

All: -25.096+/-0.100 χ^2/NDF : 32224.2/46

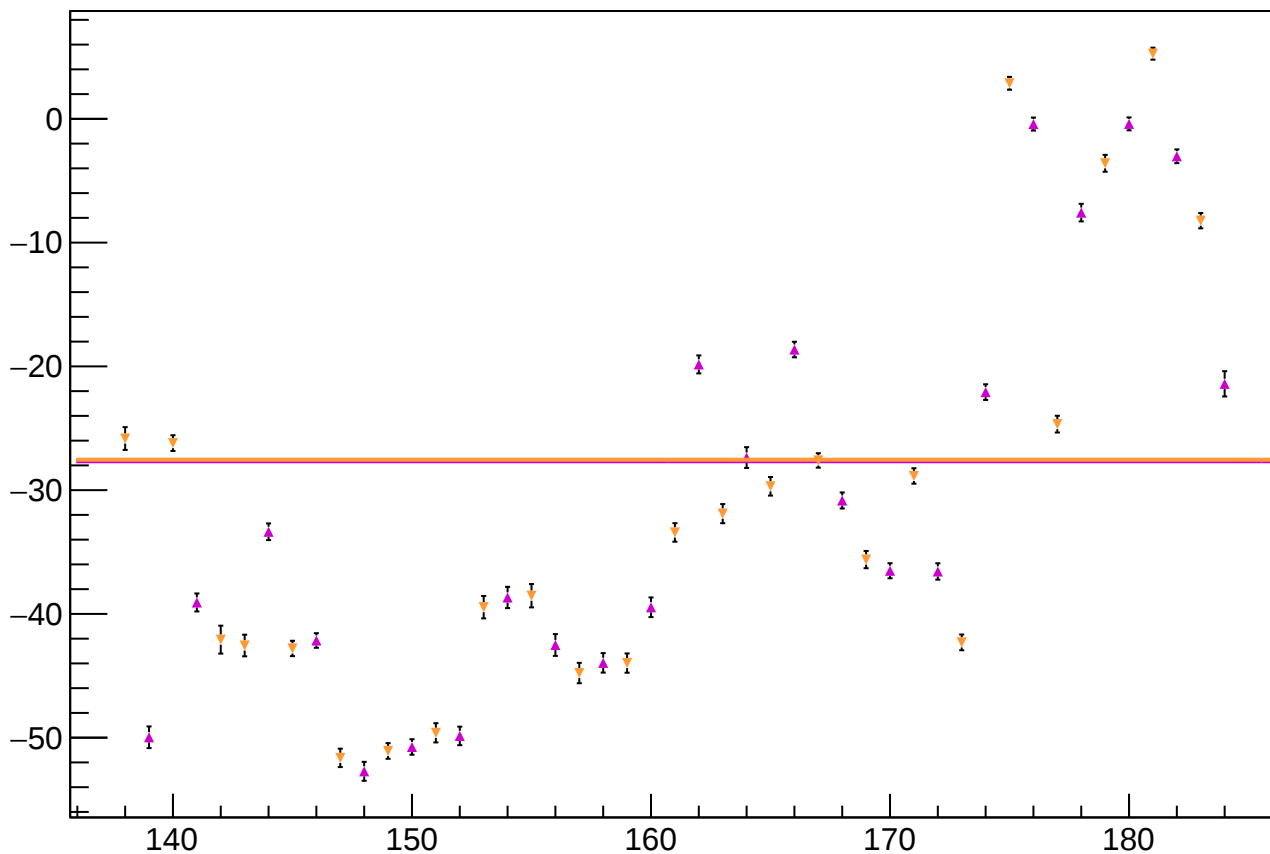
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.323+/-0.110 χ^2/NDF : 8189.1/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.493+/-0.112 χ^2/NDF : 6555.4/22

Left: 0.406+/-0.078 χ^2/NDF : 14745.6/46
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.493+/-0.112 χ^2/NDF : 6555.4/22
 Out: 0.323+/-0.110 χ^2/NDF : 8189.1/23
 All: 0.406+/-0.078 χ^2/NDF : 14745.6/46

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: -27.541 $\pm$ 0.141 χ^2 /NDF:16547.6/23

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: -27.604 $\pm$ 0.100 χ^2 /NDF: 31551.2/46

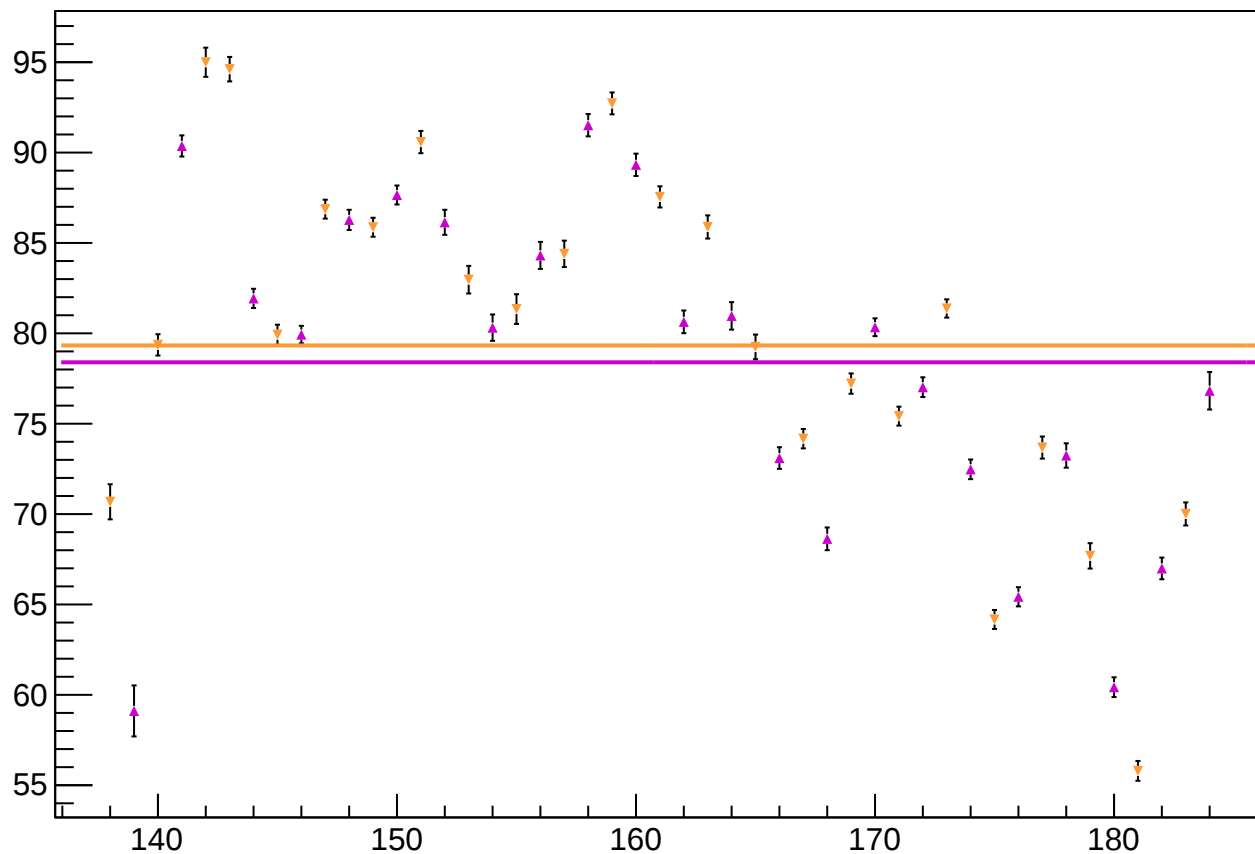
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -27.666 $\pm$ 0.142 χ^2 /NDF:15003.2/22

Out: -27.541 $\pm$ 0.141 χ^2 /NDF:16547.6/23

All: -27.604 $\pm$ 0.100 χ^2 /NDF: 31551.2/46

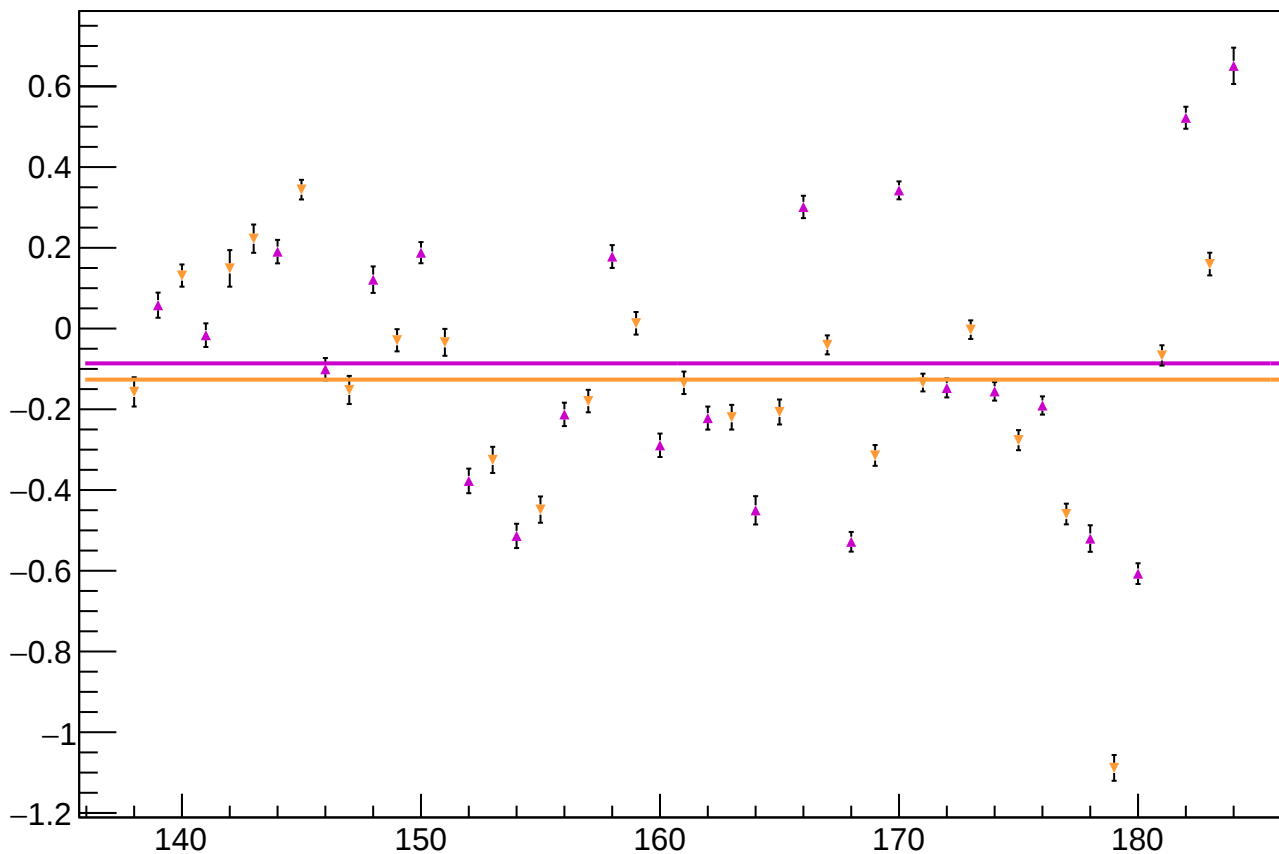
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 79.330+/-0.125 χ^2/NDF :5957.4/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 78.396+/-0.127 χ^2/NDF :4707.3/22

Left: 78.871+/-0.089 χ^2/NDF : 10692.4/46
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 78.396+/-0.127 χ^2/NDF :4707.3/22
 Out: 79.330+/-0.125 χ^2/NDF :5957.4/23
 All: 78.871+/-0.089 χ^2/NDF : 10692.4/46

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.126+/-0.006 χ^2/NDF :2114.1/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.086+/-0.006 χ^2/NDF :3132.1/22

Left: -0.106+/-0.004 χ^2/NDF : 5270.5/46

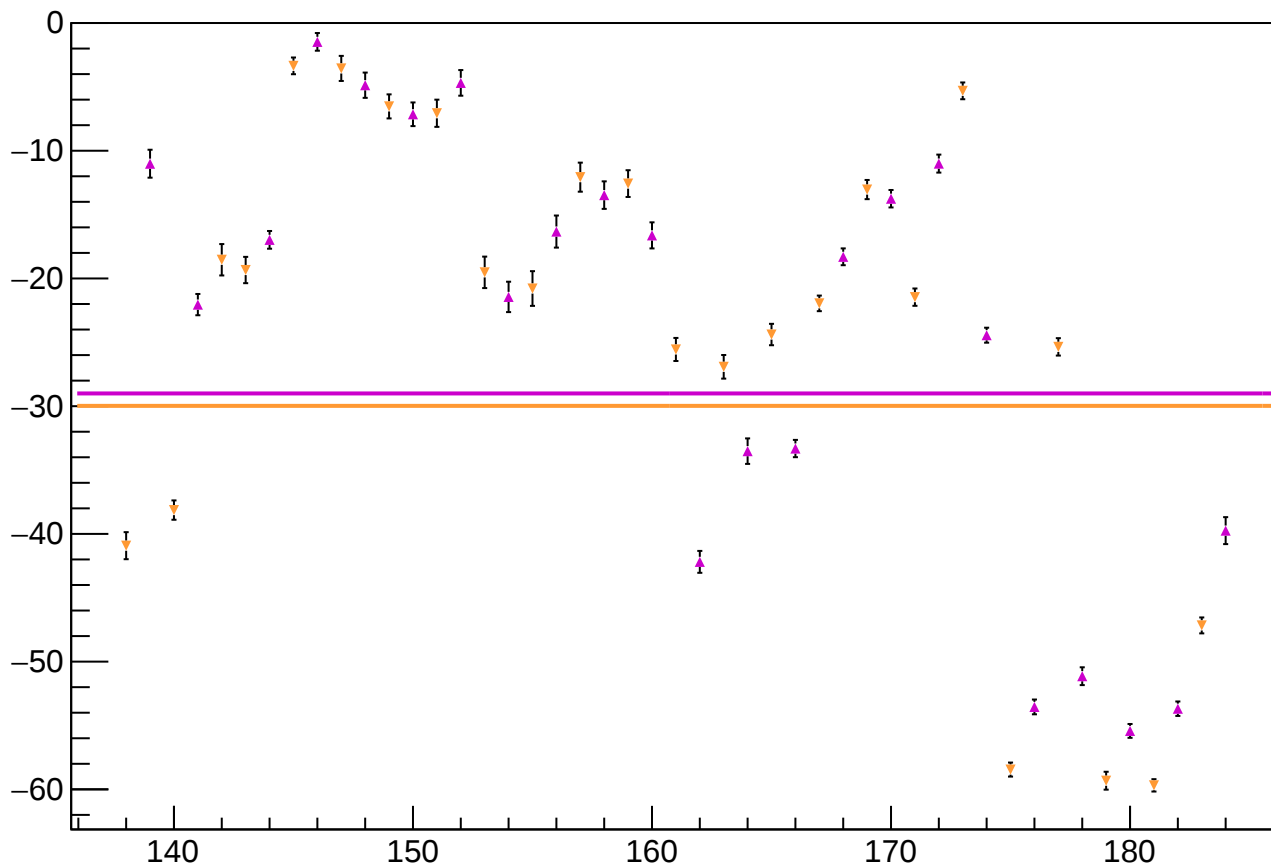
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.086+/-0.006 χ^2/NDF :3132.1/22

Out: -0.126+/-0.006 χ^2/NDF :2114.1/23

All: -0.106+/-0.004 χ^2/NDF : 5270.5/46

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: -29.975+/-0.159 χ^2/NDF :15869.6/23

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: -29.492+/-0.113 χ^2/NDF : 29305.0/46

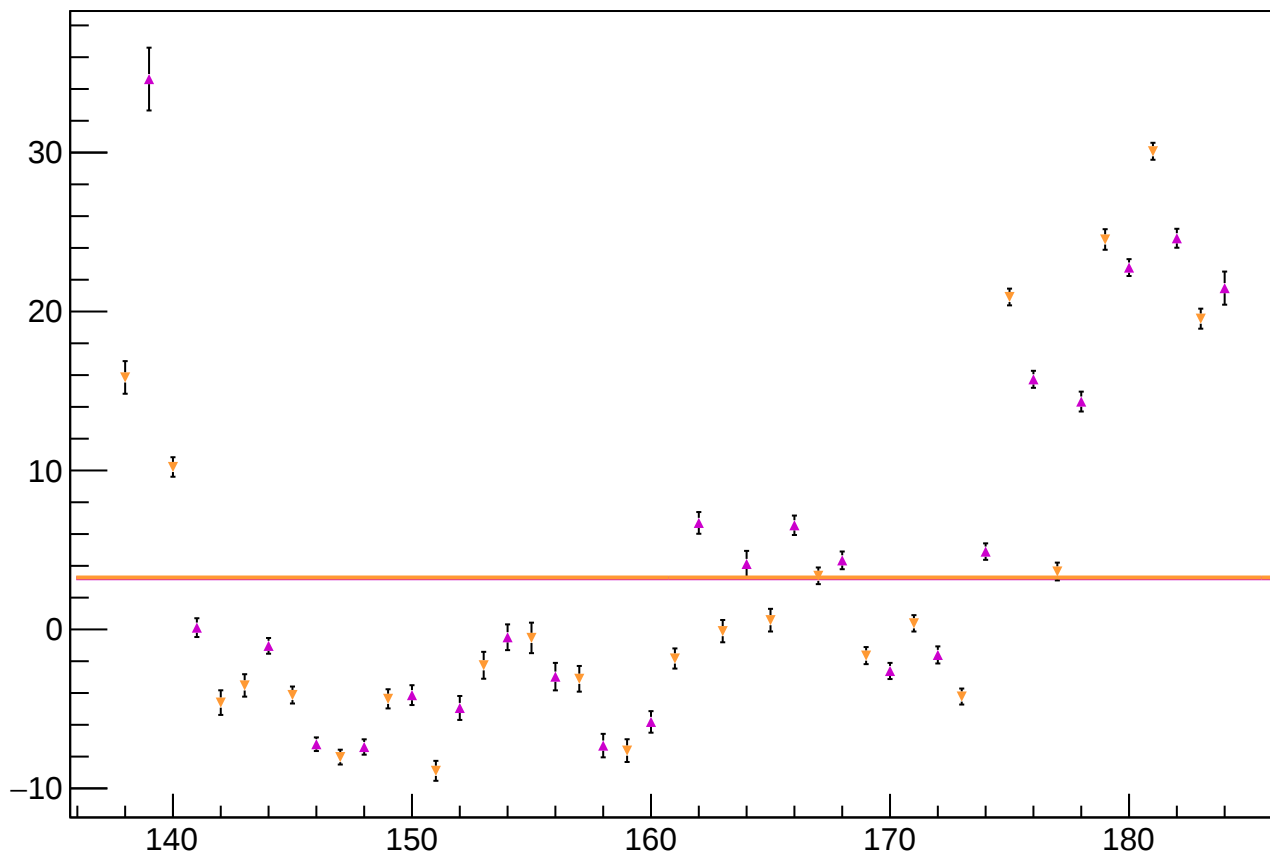
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -29.003+/-0.160 χ^2/NDF :13416.8/22

Out: -29.975+/-0.159 χ^2/NDF :15869.6/23

All: -29.492+/-0.113 χ^2/NDF : 29305.0/46

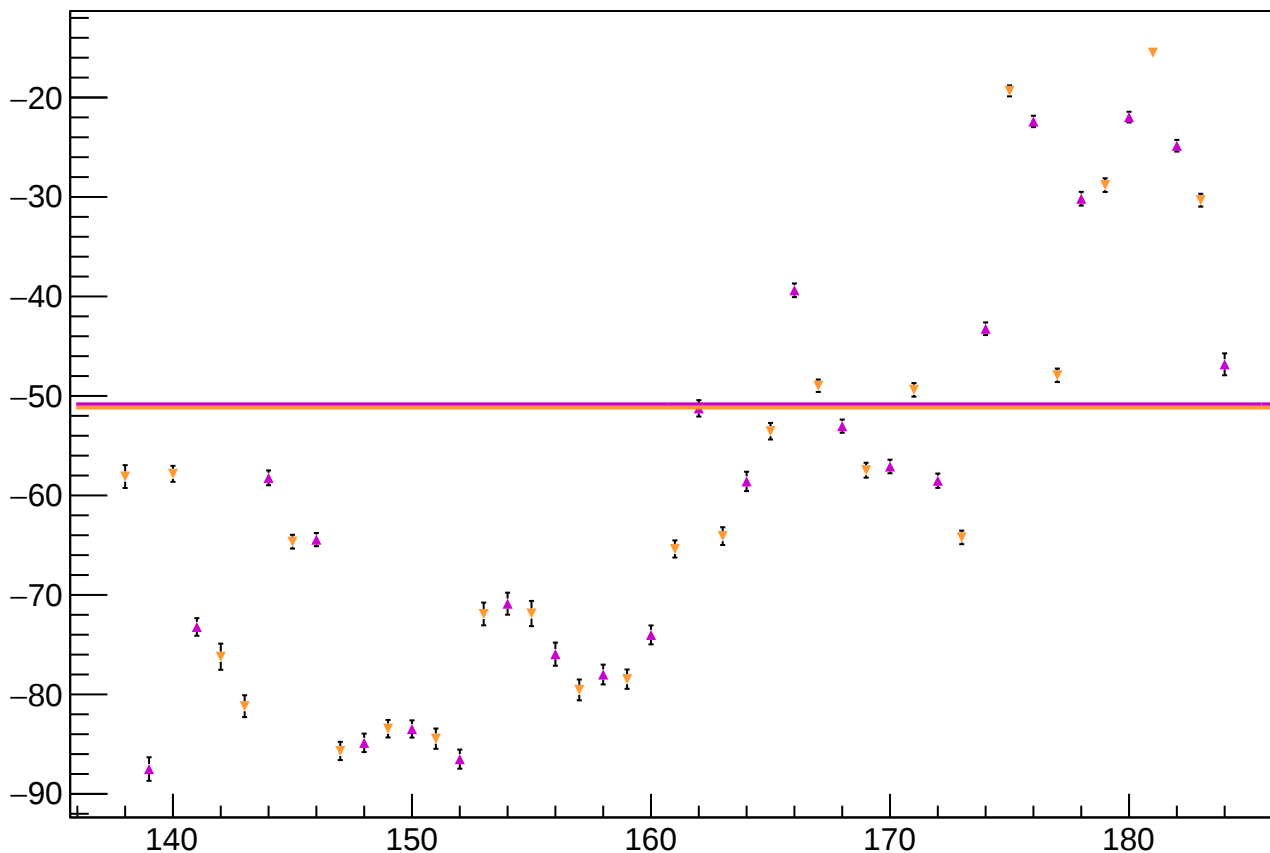
reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.266+/-0.126 χ^2/NDF : 7975.2/23
 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: 3.244+/-0.089 χ^2/NDF : 14212.8/46
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.221+/-0.127 χ^2/NDF : 6237.6/22
 Out: 3.266+/-0.126 χ^2/NDF : 7975.2/23
 All: 3.244+/-0.089 χ^2/NDF : 14212.8/46

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: -51.158+/-0.160 χ^2/NDF :18970.8/23

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: -51.002+/-0.113 χ^2/NDF : 36244.8/46

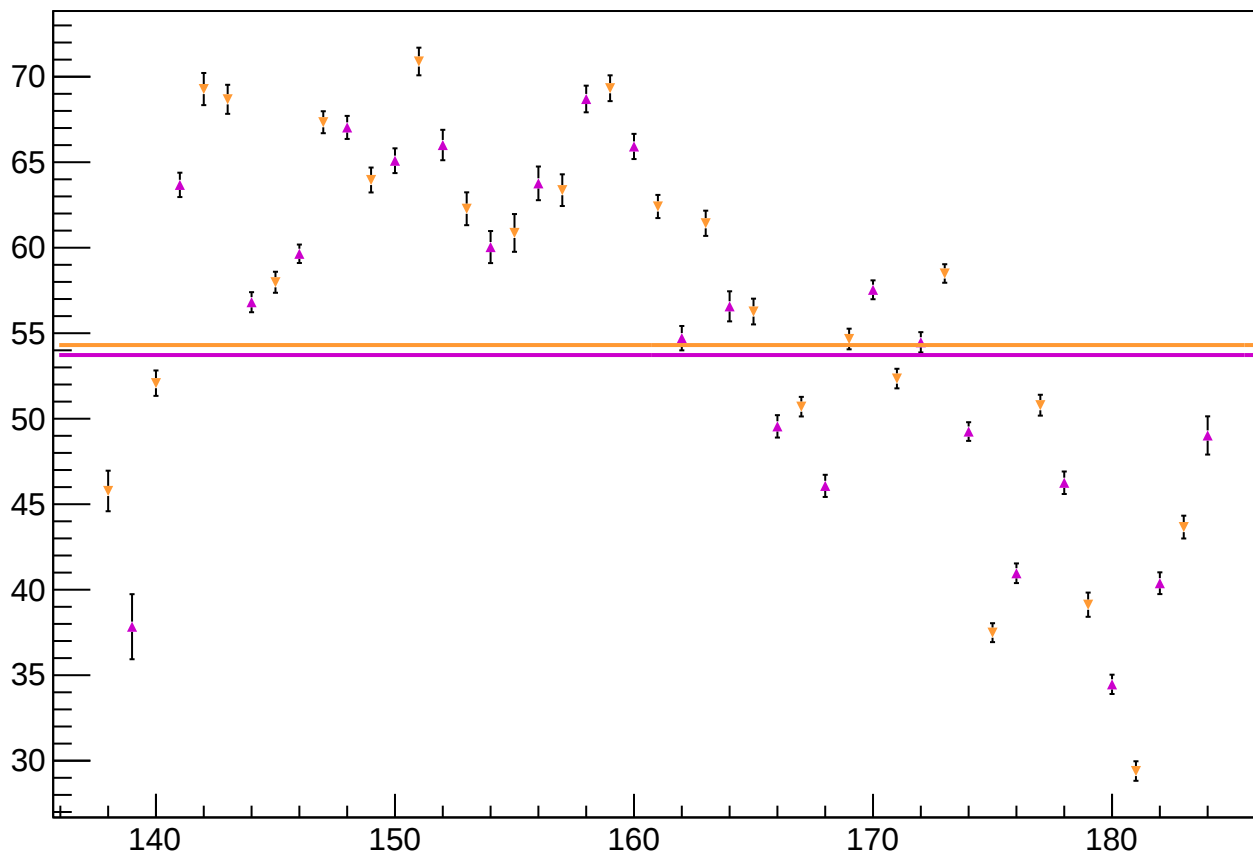
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -50.844+/-0.160 χ^2/NDF :17272.0/22

Out: -51.158+/-0.160 χ^2/NDF :18970.8/23

All: -51.002+/-0.113 χ^2/NDF : 36244.8/46

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



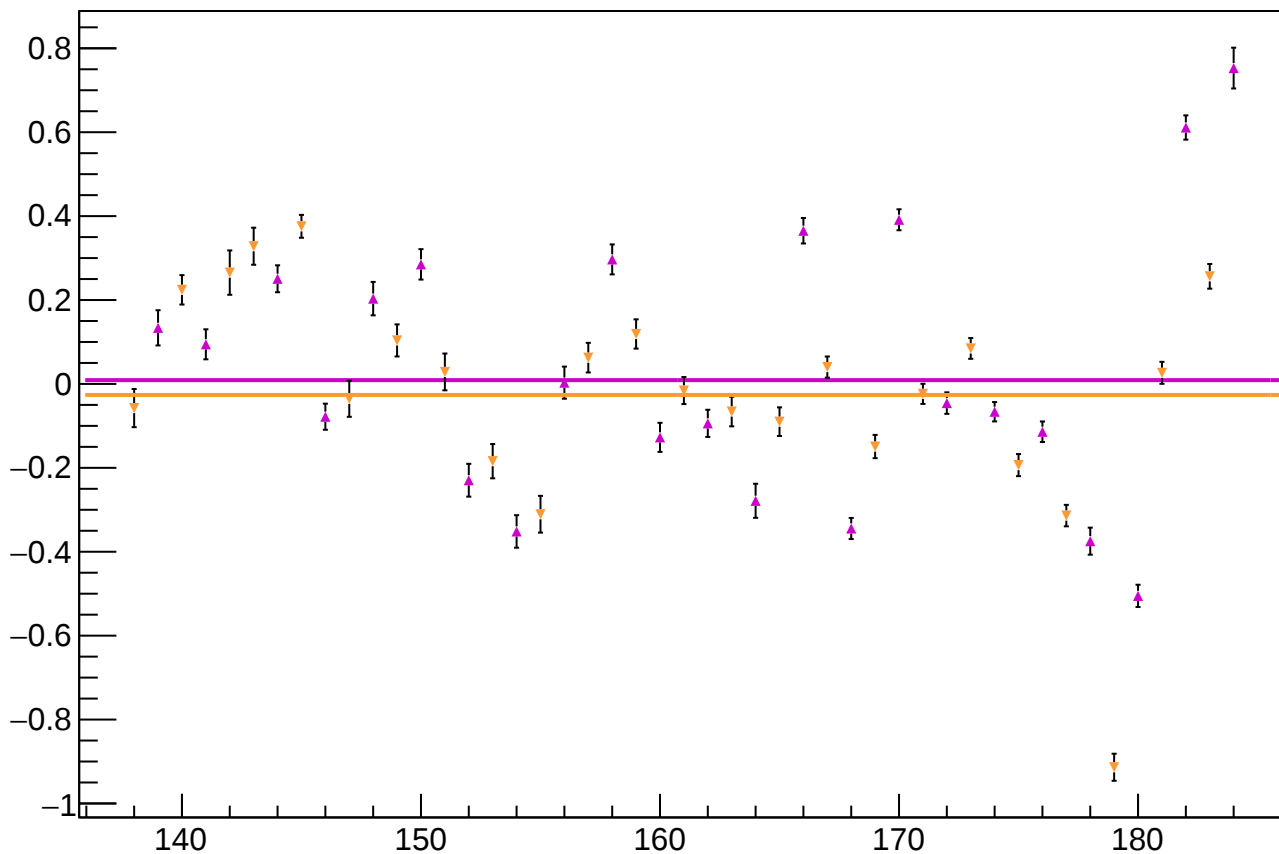
Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 54.307 $\pm$ 0.142 χ^2/NDF :6170.1/23
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 53.724 $\pm$ 0.143 χ^2/NDF :4585.7/22

Left: 54.018 $\pm$ 0.101 χ^2/NDF : 10764.2/46
 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: 54.307 $\pm$ 0.142 χ^2/NDF :6170.1/23

All: 54.018 $\pm$ 0.101 χ^2/NDF : 10764.2/46

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: -0.026 $\pm$ 0.007 χ^2 /NDF:1529.1/23
 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: -0.009 $\pm$ 0.005 χ^2 /NDF: 3764.1/46

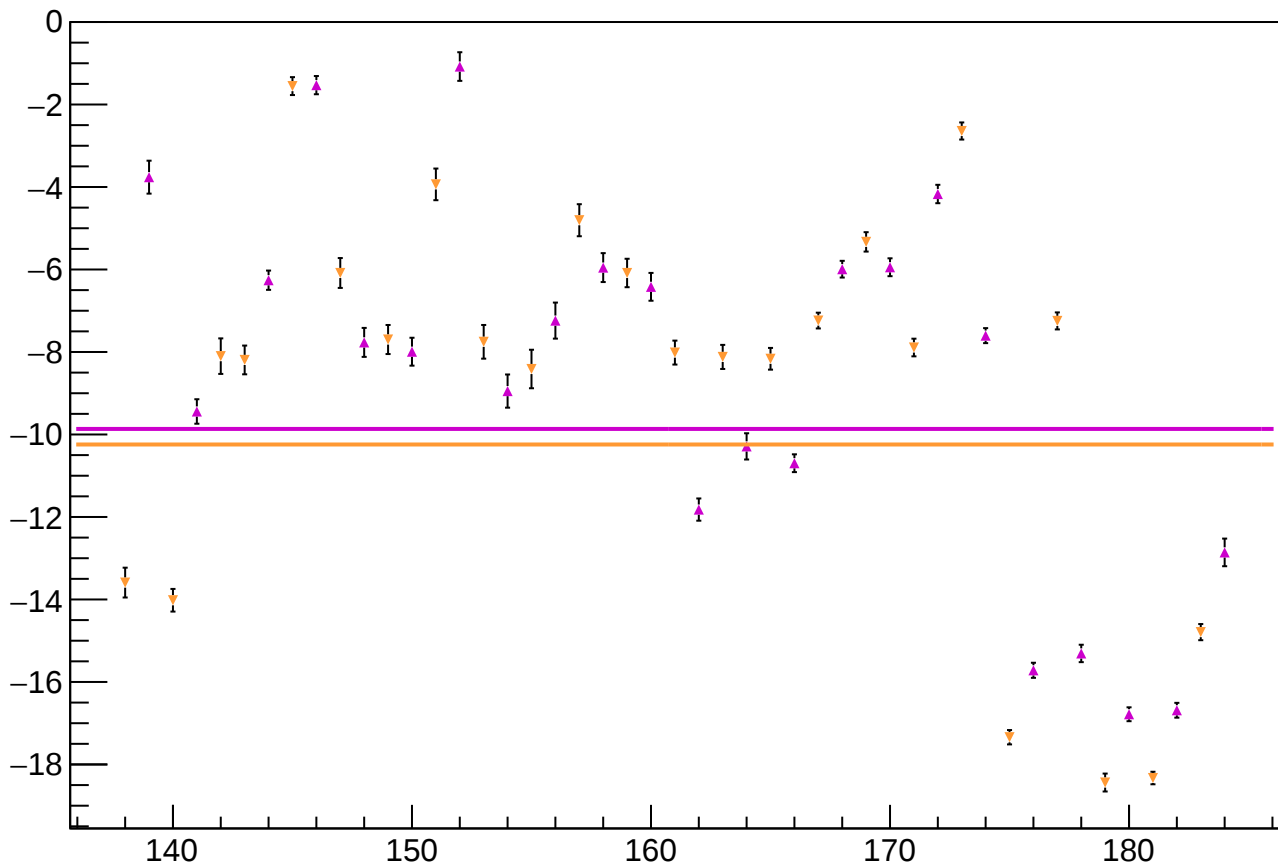
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.009 $\pm$ 0.007 χ^2 /NDF:2220.5/22

Out: -0.026 $\pm$ 0.007 χ^2 /NDF:1529.1/23

All: -0.009 $\pm$ 0.005 χ^2 /NDF: 3764.1/46

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: -10.243+/-0.051 χ^2/NDF :11777.6/23

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: -10.054+/-0.036 χ^2/NDF : 21150.0/46

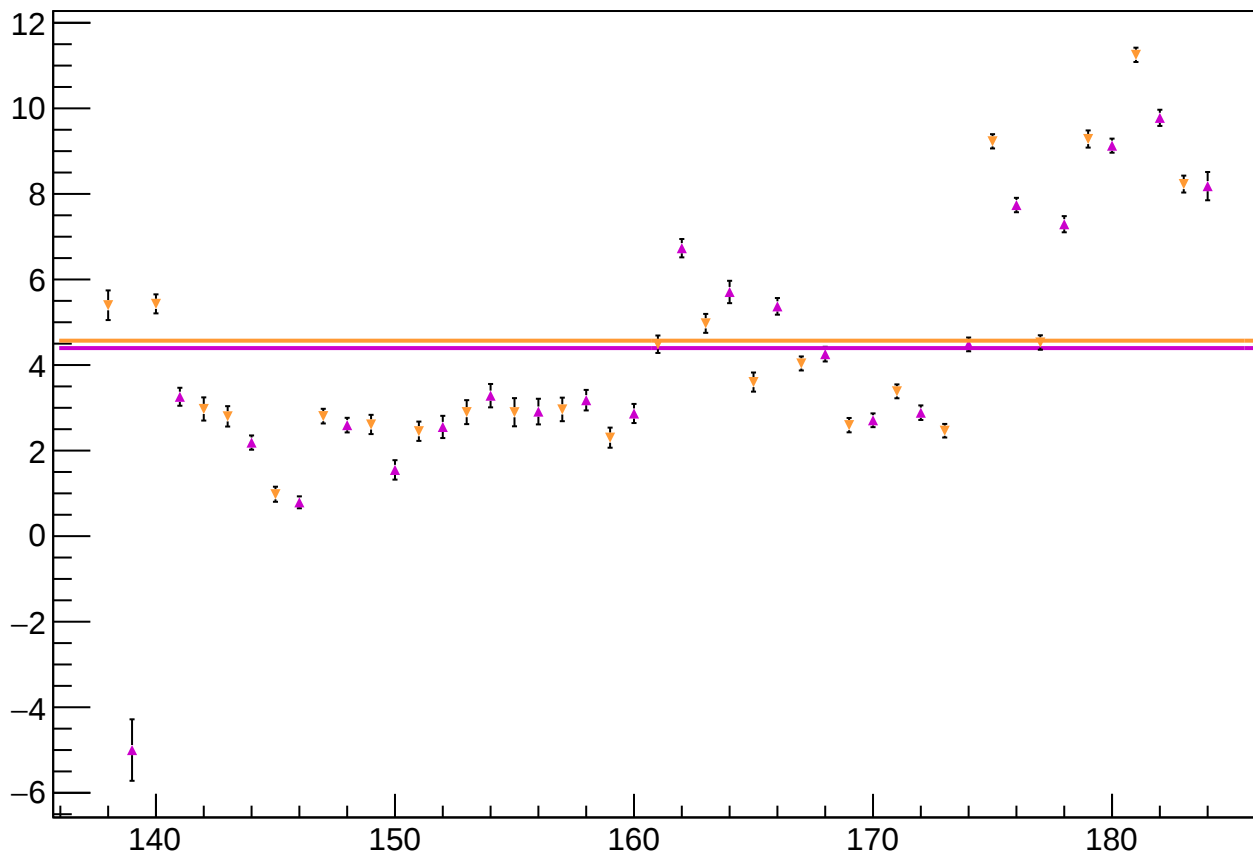
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -9.865+/-0.051 χ^2/NDF :9345.4/22

Out: -10.243+/-0.051 χ^2/NDF :11777.6/23

All: -10.054+/-0.036 χ^2/NDF : 21150.0/46

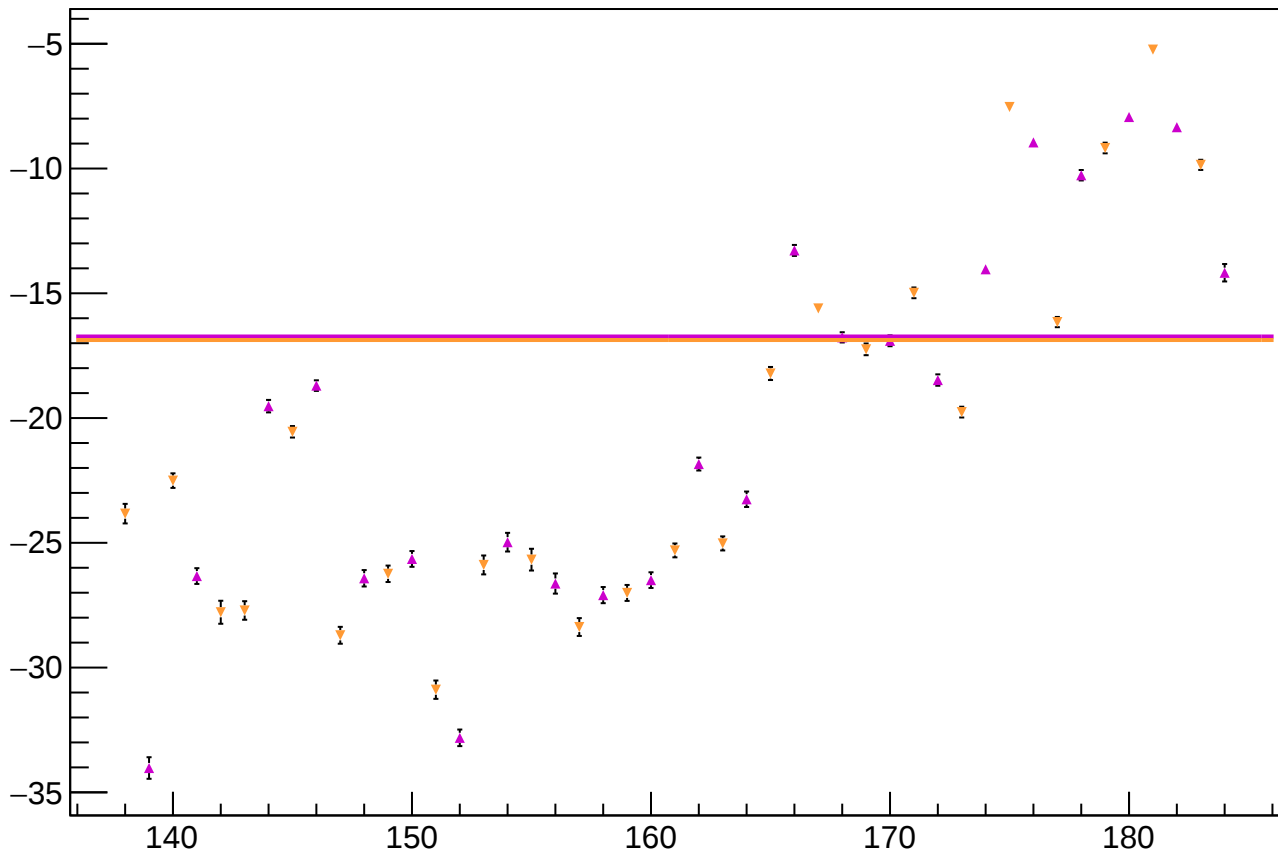
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.569 $\pm$ 0.041 χ^2 /NDF:4649.4/23
 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: 4.483 $\pm$ 0.029 χ^2 /NDF: 8888.7/46
 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: 4.569 $\pm$ 0.041 χ^2 /NDF:4649.4/23
 All: 4.483 $\pm$ 0.029 χ^2 /NDF: 8888.7/46

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: -16.873+/-0.052 χ^2/NDF :21731.9/23

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: -16.802+/-0.036 χ^2/NDF : 40512.8/46

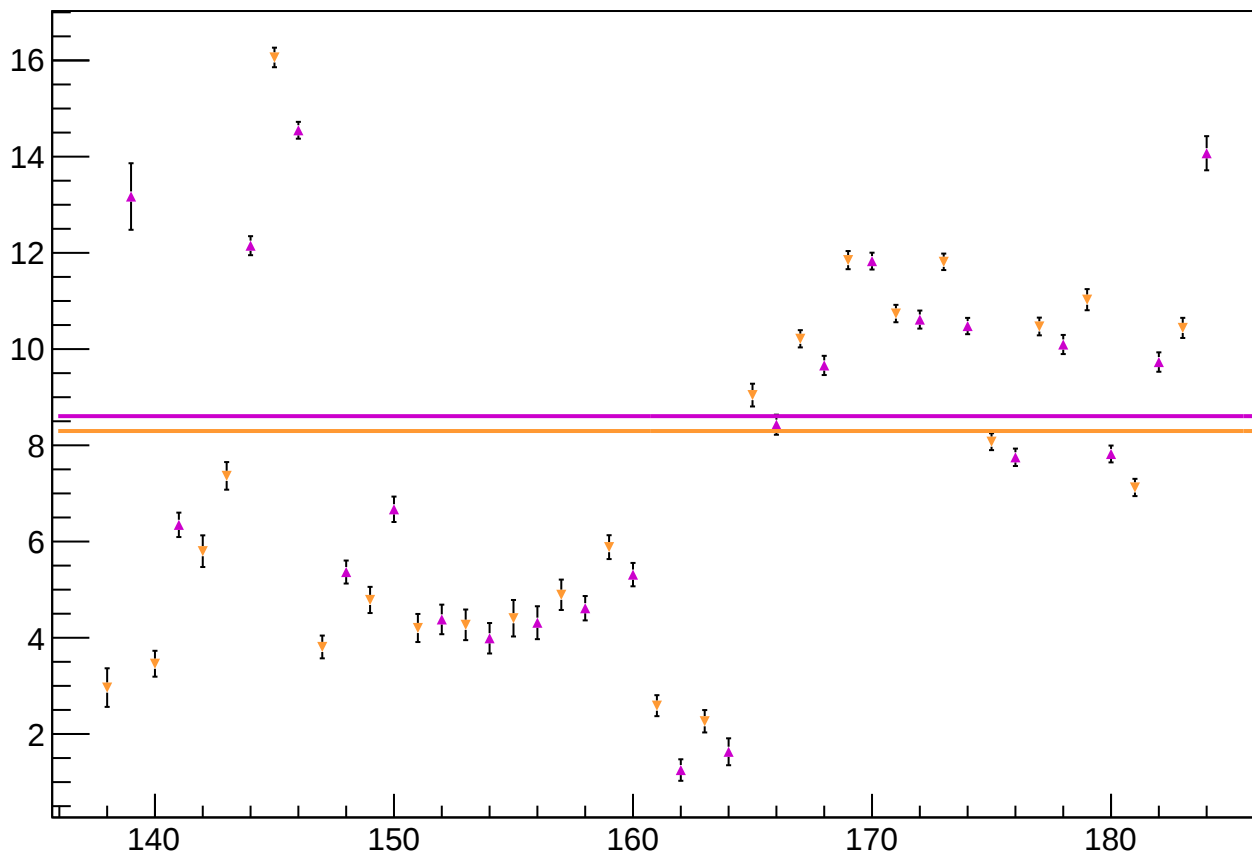
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -16.732+/-0.052 χ^2/NDF :18777.2/22

Out: -16.873+/-0.052 χ^2/NDF :21731.9/23

All: -16.802+/-0.036 χ^2/NDF : 40512.8/46

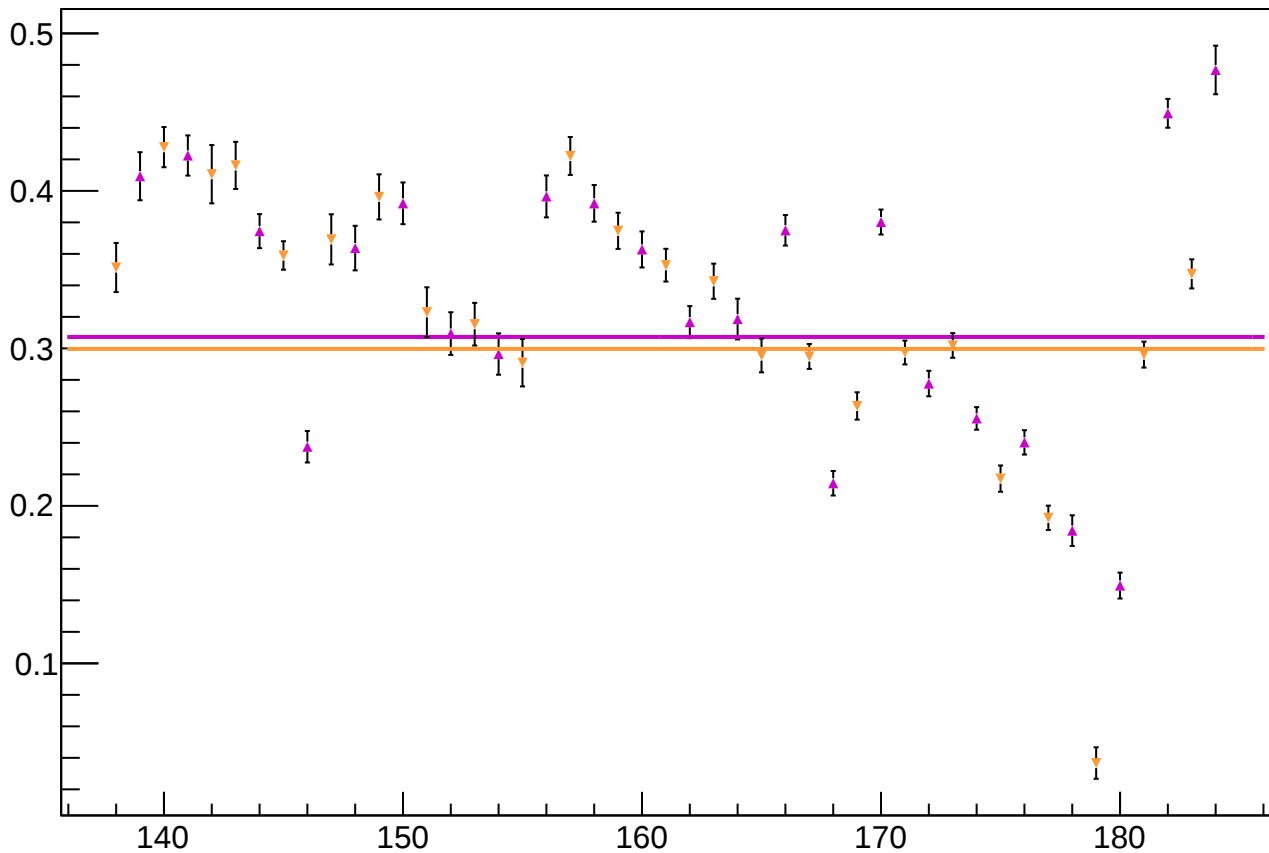
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.297+/-0.046 χ^2/NDF :6112.0/23
 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: 8.451+/-0.033 χ^2/NDF : 11638.6/46
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.606+/-0.046 χ^2/NDF :5504.2/22
 Out: 8.297+/-0.046 χ^2/NDF :6112.0/23
 All: 8.451+/-0.033 χ^2/NDF : 11638.6/46

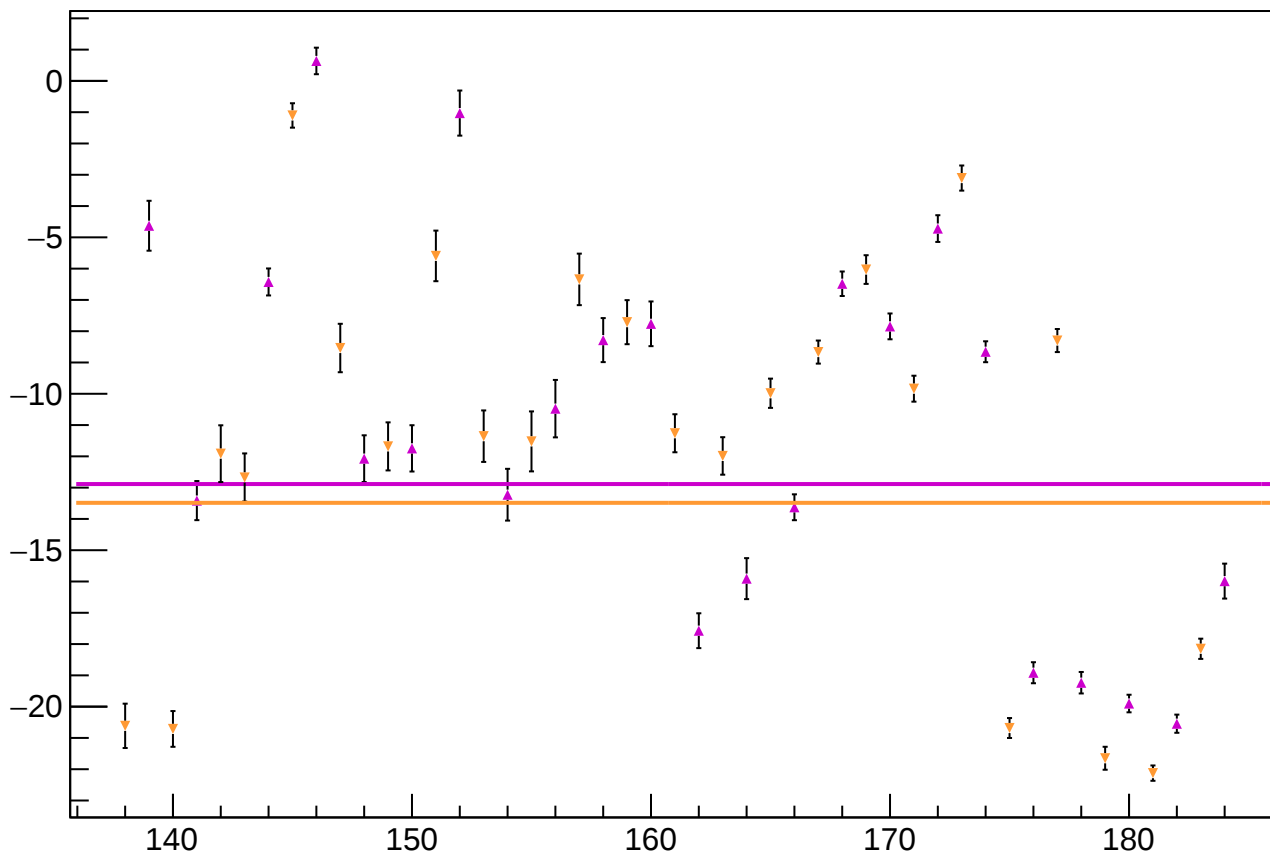
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.300 $\pm$ 0.002 χ^2 /NDF:1533.2/23
 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: 0.303 $\pm$ 0.001 χ^2 /NDF: 3239.1/46
 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: 0.300 $\pm$ 0.002 χ^2 /NDF:1533.2/23
 All: 0.303 $\pm$ 0.001 χ^2 /NDF: 3239.1/46

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.486 $\pm$ 0.095 χ^2 /NDF:5480.0/23

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

Left In: -12.885 $\pm$ 0.095 χ^2 /NDF:4776.2/22

Left: -13.185 $\pm$ 0.067 χ^2 /NDF: 10276.1/46

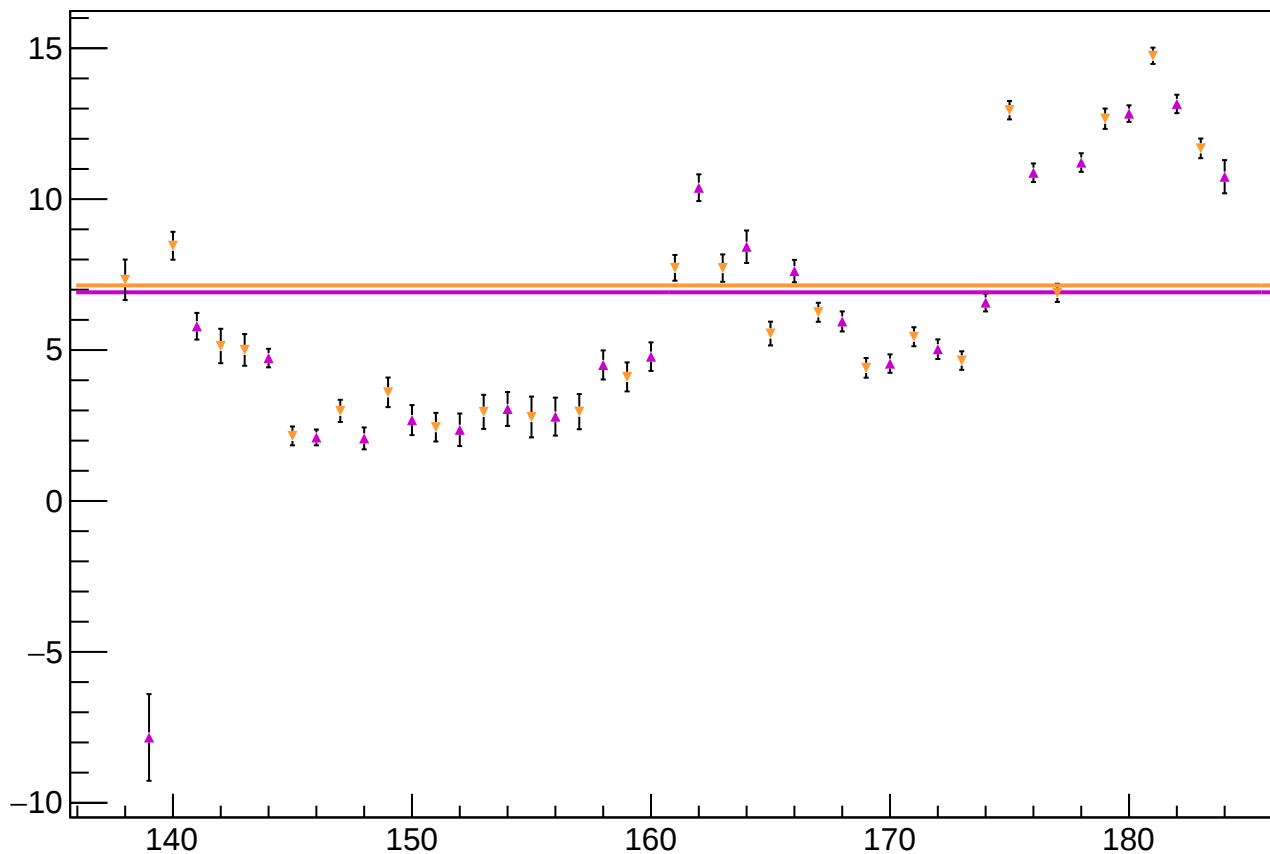
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -12.885 $\pm$ 0.095 χ^2 /NDF:4776.2/22

Out: -13.486 $\pm$ 0.095 χ^2 /NDF:5480.0/23

All: -13.185 $\pm$ 0.067 χ^2 /NDF: 10276.1/46

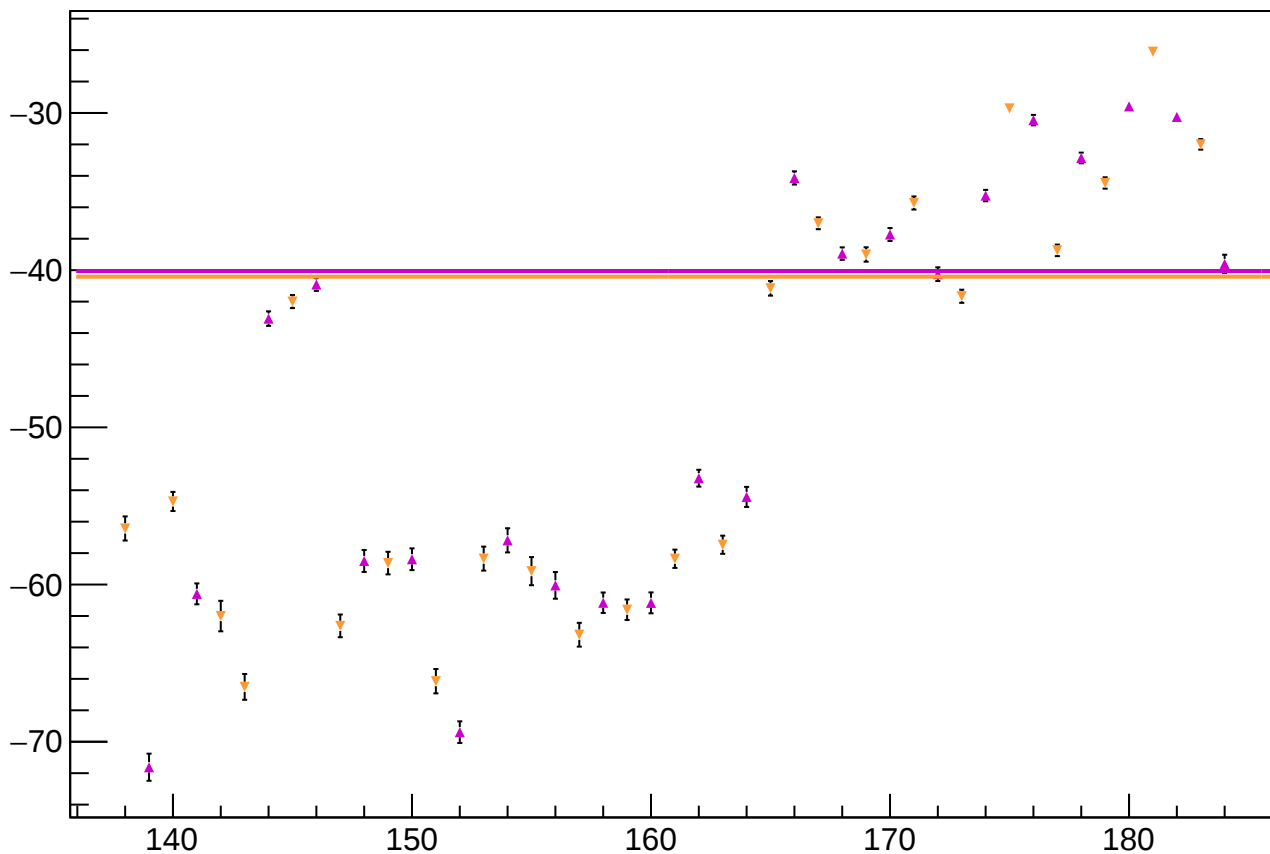
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.143 $\pm$ 0.078 χ^2 /NDF:2577.0/23
 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: 7.028 $\pm$ 0.055 χ^2 /NDF: 5009.5/46
 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: 7.143 $\pm$ 0.078 χ^2 /NDF:2577.0/23
 All: 7.028 $\pm$ 0.055 χ^2 /NDF: 5009.5/46

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: -40.413+/-0.096 χ^2/NDF :15399.2/23

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: -40.232+/-0.068 χ^2/NDF : 29333.5/46

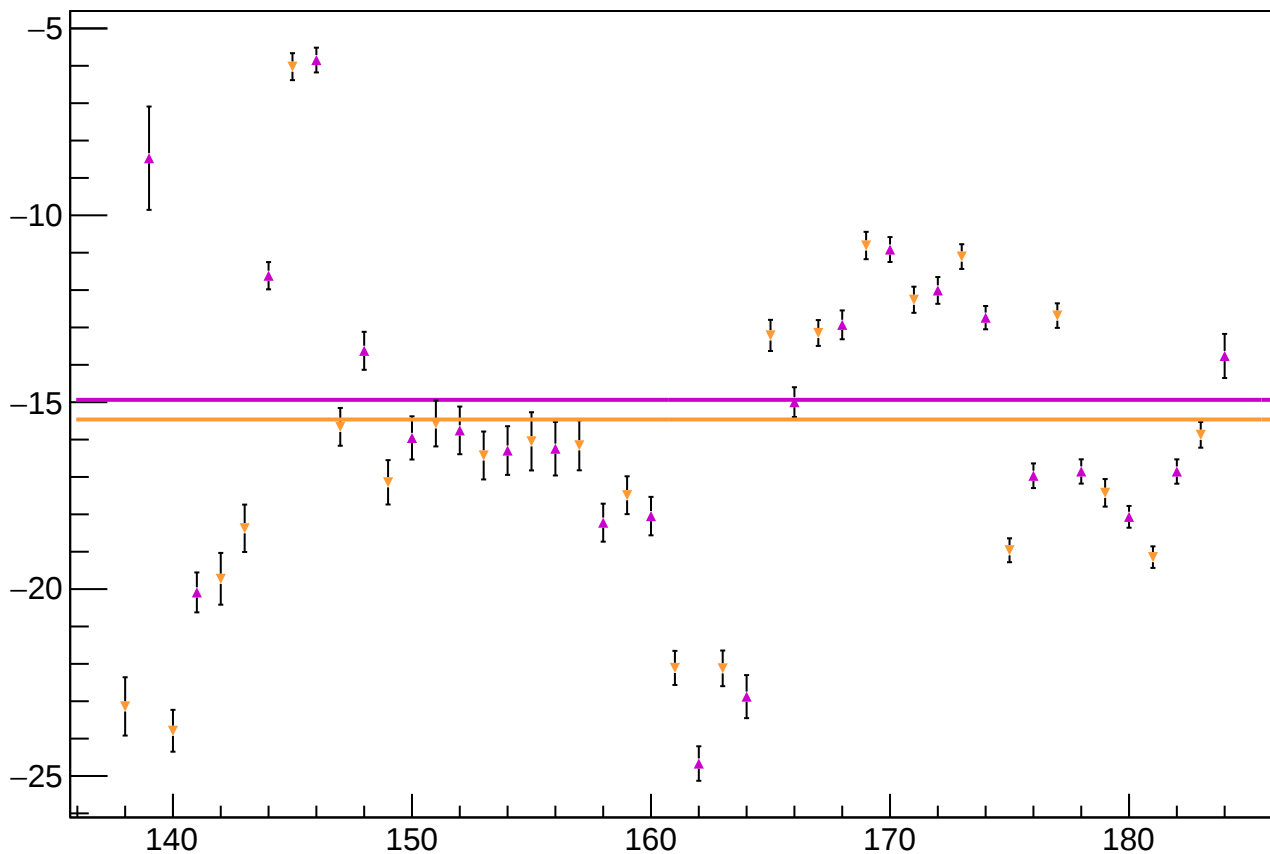
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -40.053+/-0.096 χ^2/NDF :13927.3/22

Out: -40.413+/-0.096 χ^2/NDF :15399.2/23

All: -40.232+/-0.068 χ^2/NDF : 29333.5/46

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -15.463 ± 0.087 $\chi^2/\text{NDF}: 2374.0/23$

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

Left In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

Left: -15.199 ± 0.062 $\chi^2/\text{NDF}: 4592.1/46$

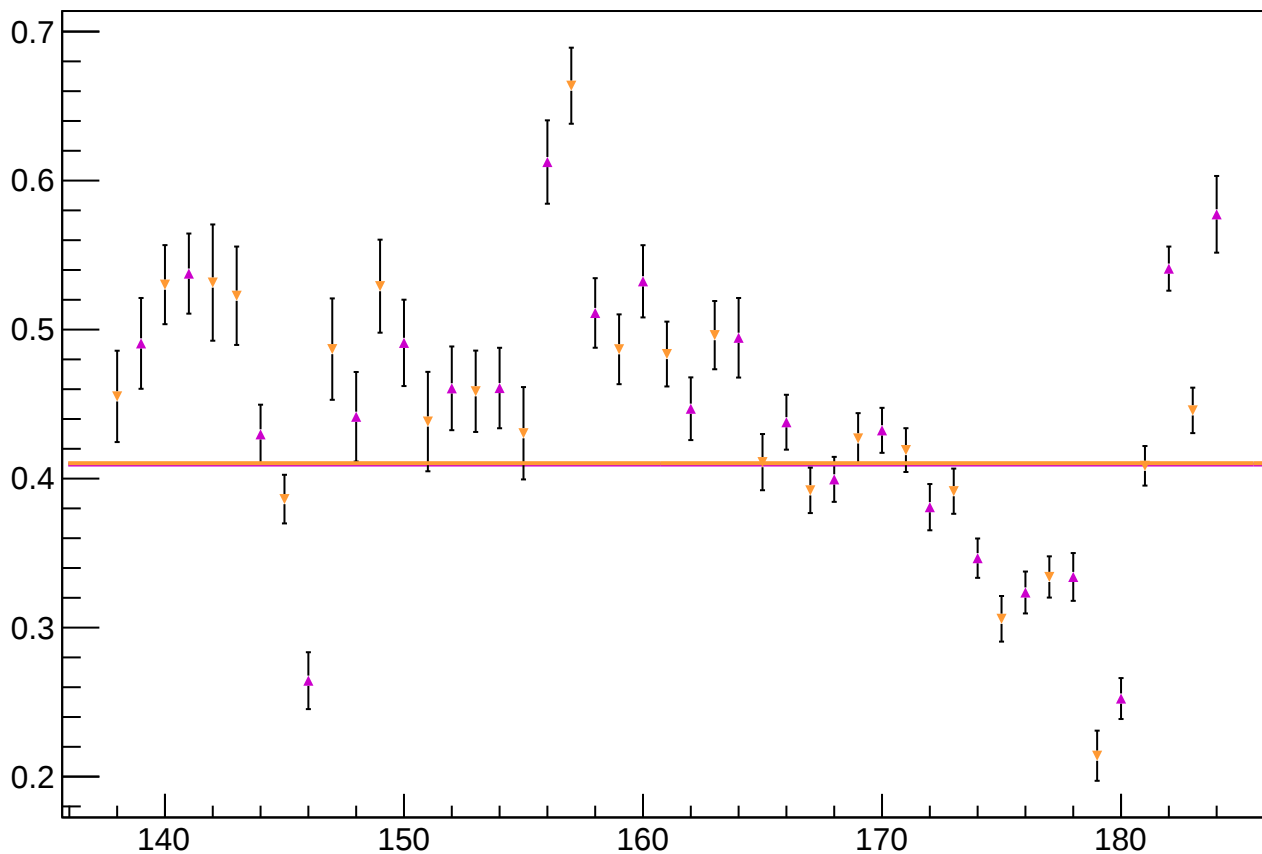
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -14.936 ± 0.087 $\chi^2/\text{NDF}: 2199.7/22$

Out: -15.463 ± 0.087 $\chi^2/\text{NDF}: 2374.0/23$

All: -15.199 ± 0.062 $\chi^2/\text{NDF}: 4592.1/46$

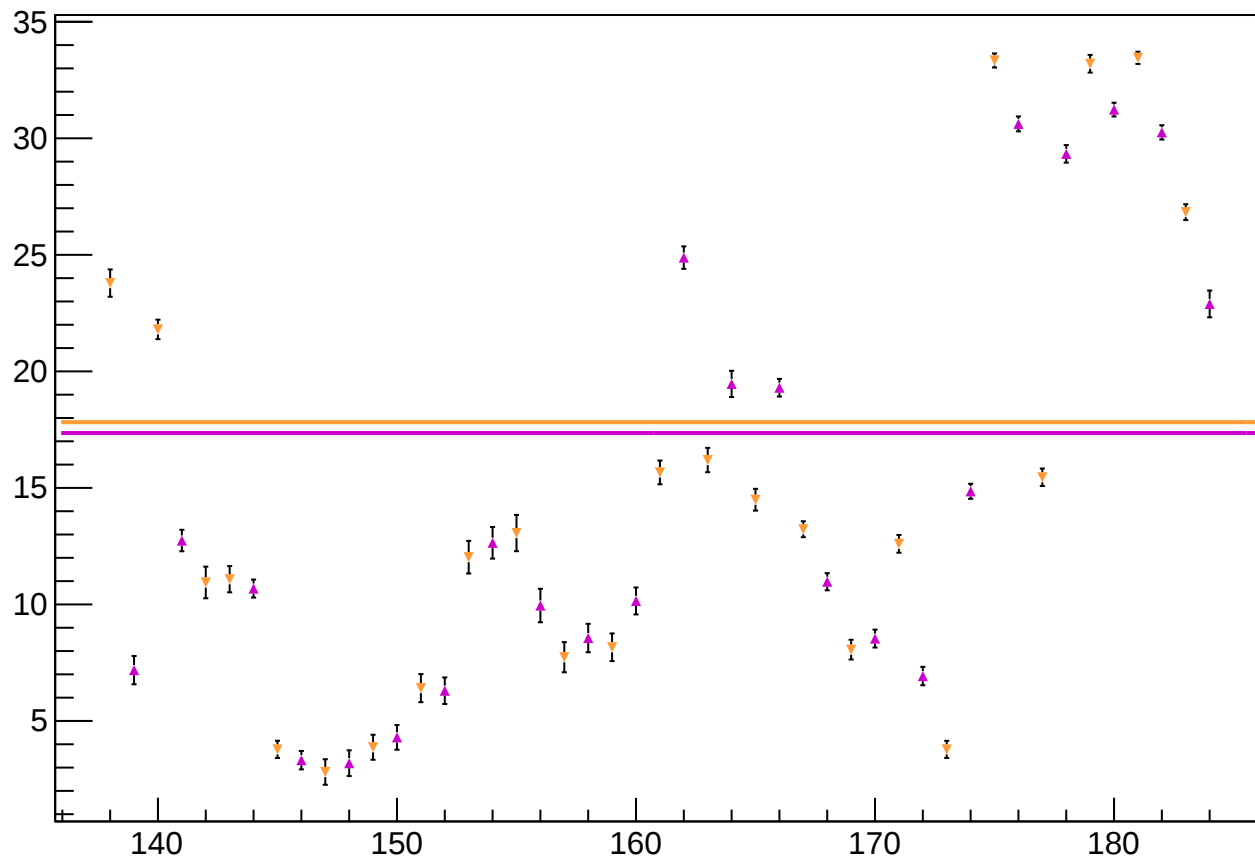
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.410 $\pm$ 0.004 χ^2 /NDF:427.0/23
 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: 984.9/46
 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: 0.410 $\pm$ 0.004 χ^2 /NDF:427.0/23
 All: 0.410 $\pm$ 0.003 χ^2 /NDF: 984.9/46

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: 17.821+/-0.088 χ^2/NDF :15259.1/23

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: 17.590+/-0.063 χ^2/NDF : 28018.1/46

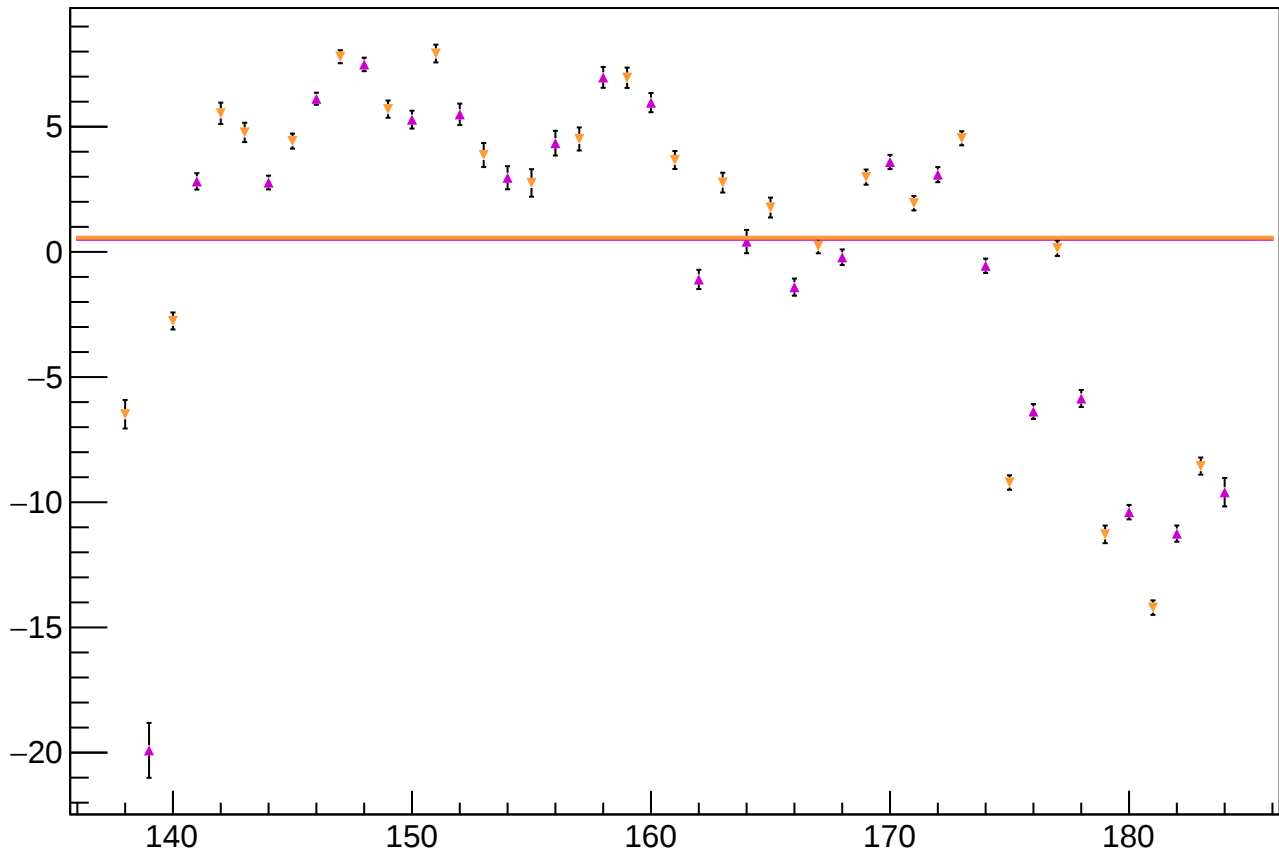
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 17.355+/-0.089 χ^2/NDF :12745.1/22

Out: 17.821+/-0.088 χ^2/NDF :15259.1/23

All: 17.590+/-0.063 χ^2/NDF : 28018.1/46

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: 0.566 $\pm$ 0.070 χ^2 /NDF:8452.8/23

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: 0.545 $\pm$ 0.050 χ^2 /NDF: 15182.7/46

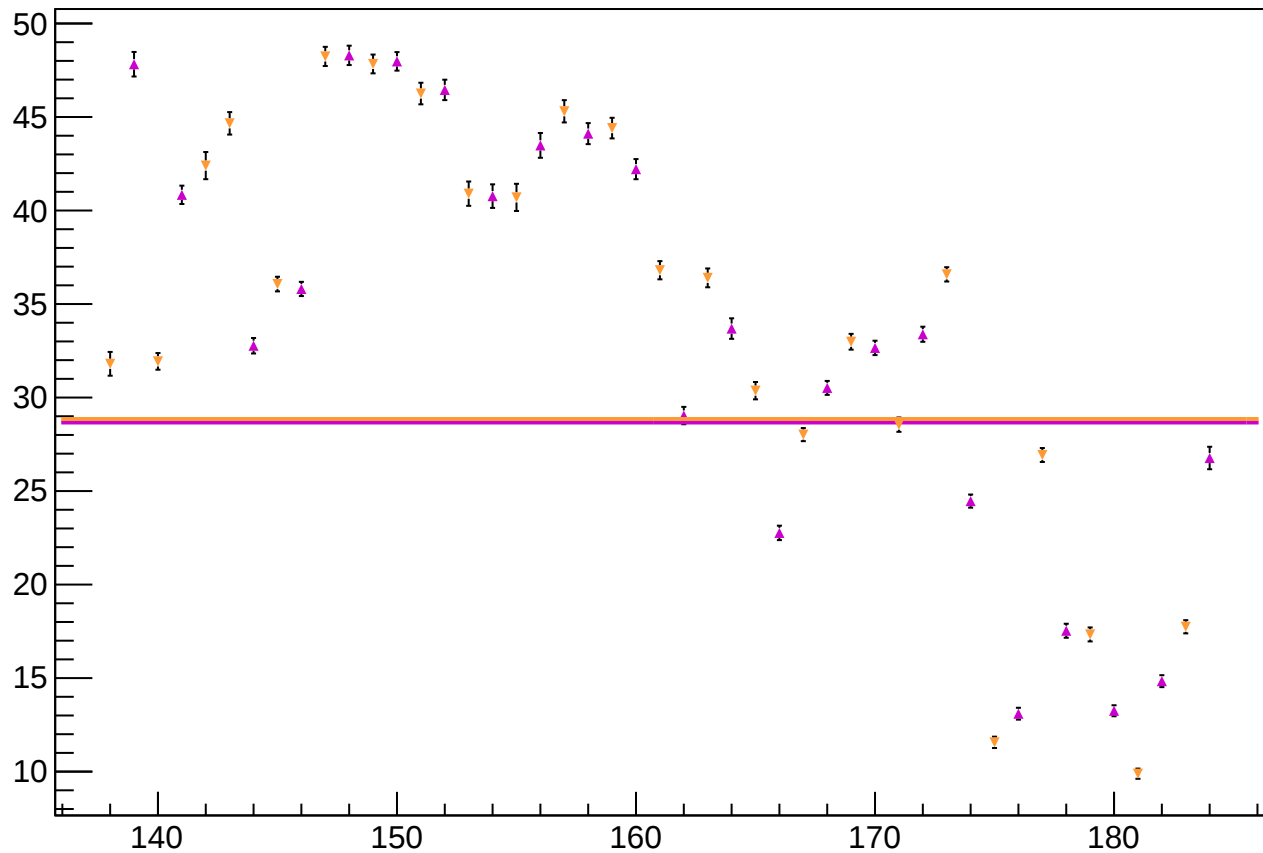
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.524 $\pm$ 0.071 χ^2 /NDF:6729.7/22

Out: 0.566 $\pm$ 0.070 χ^2 /NDF:8452.8/23

All: 0.545 $\pm$ 0.050 χ^2 /NDF: 15182.7/46

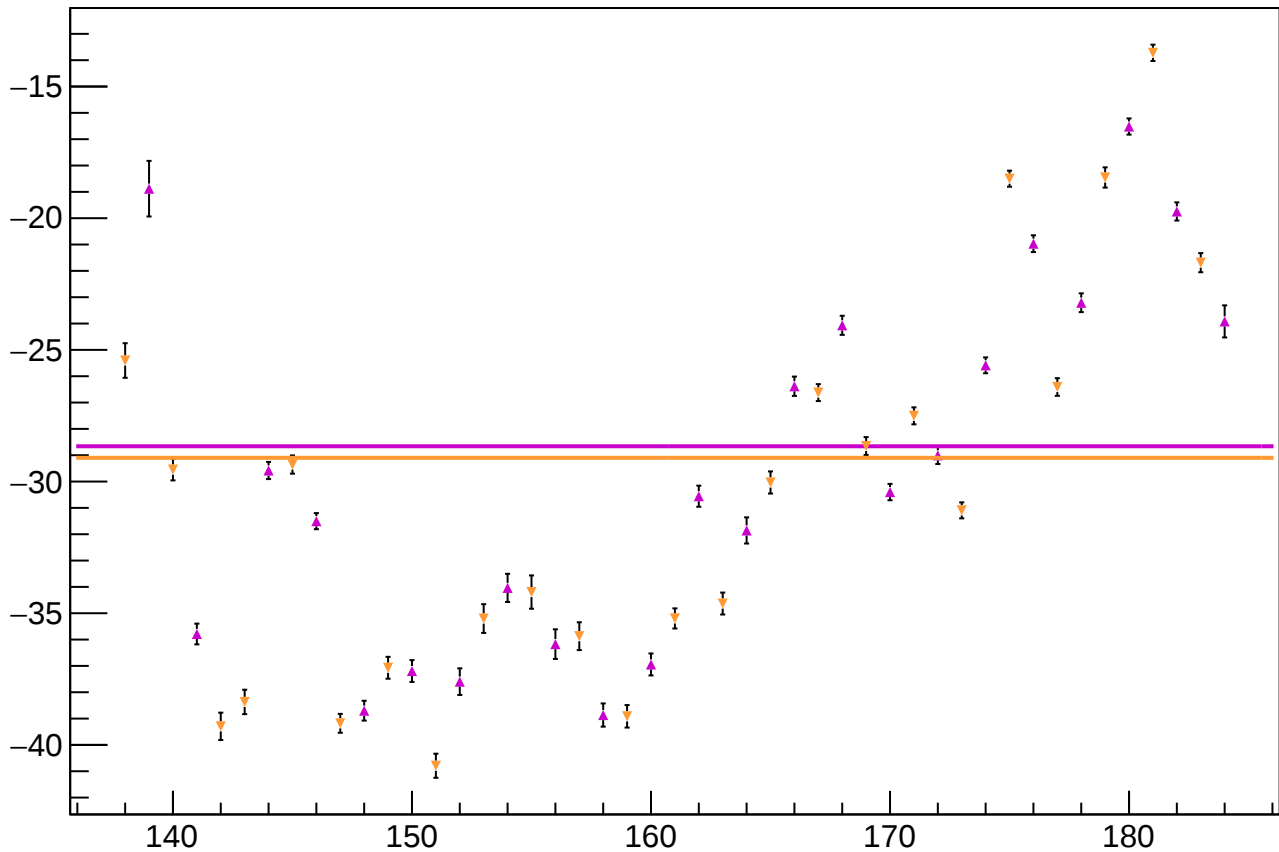
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 28.852+/-0.089 χ^2/NDF :18422.0/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 28.667+/-0.089 χ^2/NDF :16847.2/22

Left: 28.760+/-0.063 χ^2/NDF : 35271.4/46
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 28.667+/-0.089 χ^2/NDF :16847.2/22
 Out: 28.852+/-0.089 χ^2/NDF :18422.0/23
 All: 28.760+/-0.063 χ^2/NDF : 35271.4/46

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: -29.098 $\pm$ 0.079 χ^2 /NDF:8983.7/23

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: -28.881 $\pm$ 0.056 χ^2 /NDF: 15669.0/46

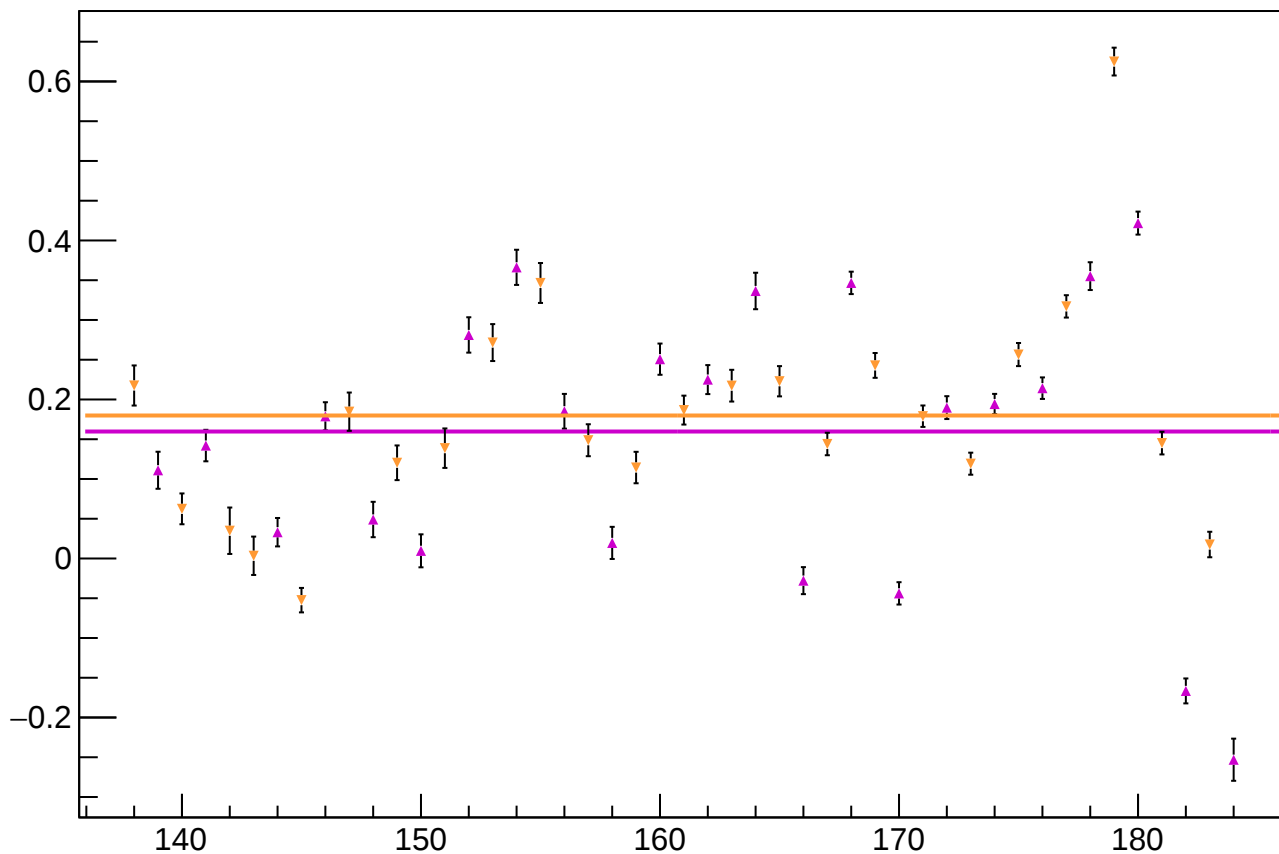
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -28.660 $\pm$ 0.080 χ^2 /NDF:6670.1/22

Out: -29.098 $\pm$ 0.079 χ^2 /NDF:8983.7/23

All: -28.881 $\pm$ 0.056 χ^2 /NDF: 15669.0/46

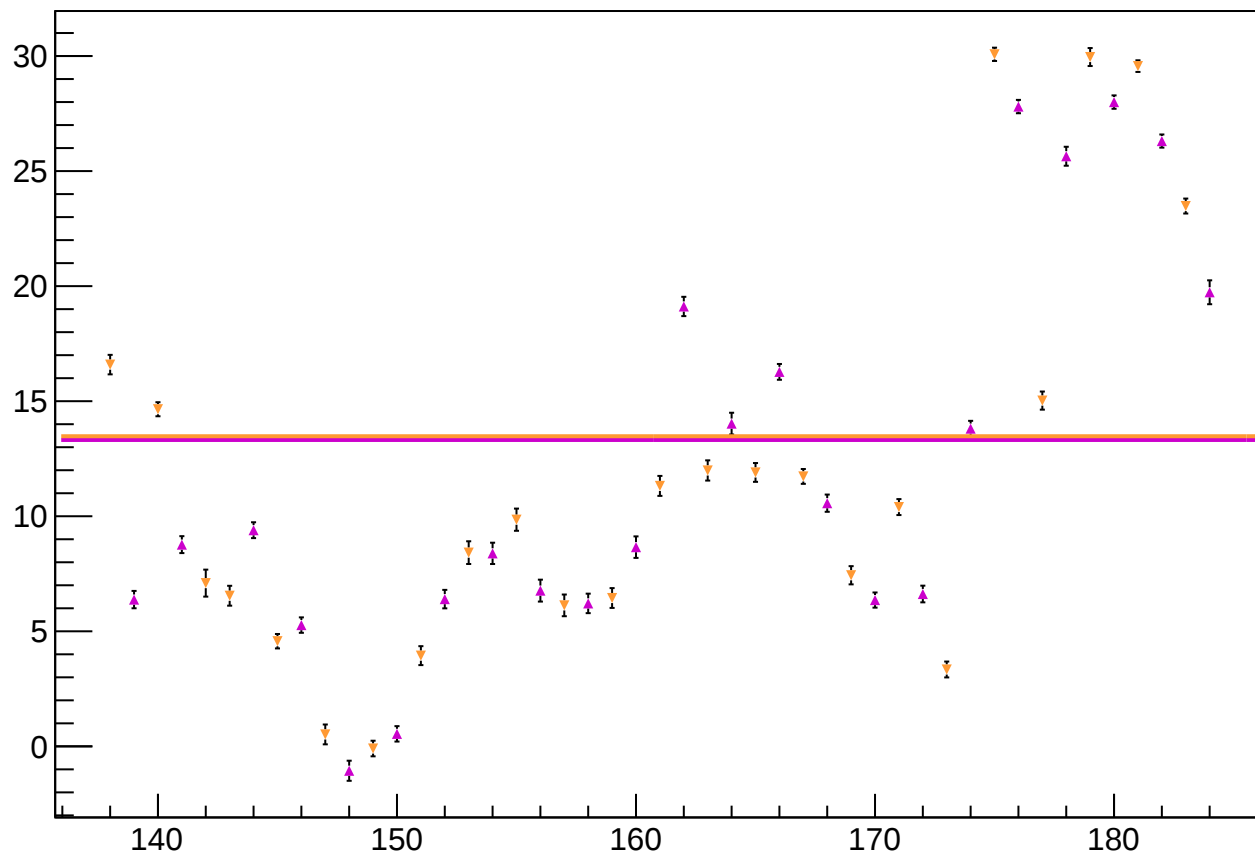
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.180 $\pm$ 0.004 χ^2 /NDF:1357.6/23
 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: 0.170 $\pm$ 0.003 χ^2 /NDF: 3430.7/46
 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: 0.180 $\pm$ 0.004 χ^2 /NDF:1357.6/23
 All: 0.170 $\pm$ 0.003 χ^2 /NDF: 3430.7/46

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 13.477 $\pm$ 0.076 χ^2 /NDF:16296.5/23

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

Left In: 13.315 $\pm$ 0.077 χ^2 /NDF:13977.7/22

Left: 13.397 $\pm$ 0.054 χ^2 /NDF: 30276.4/46

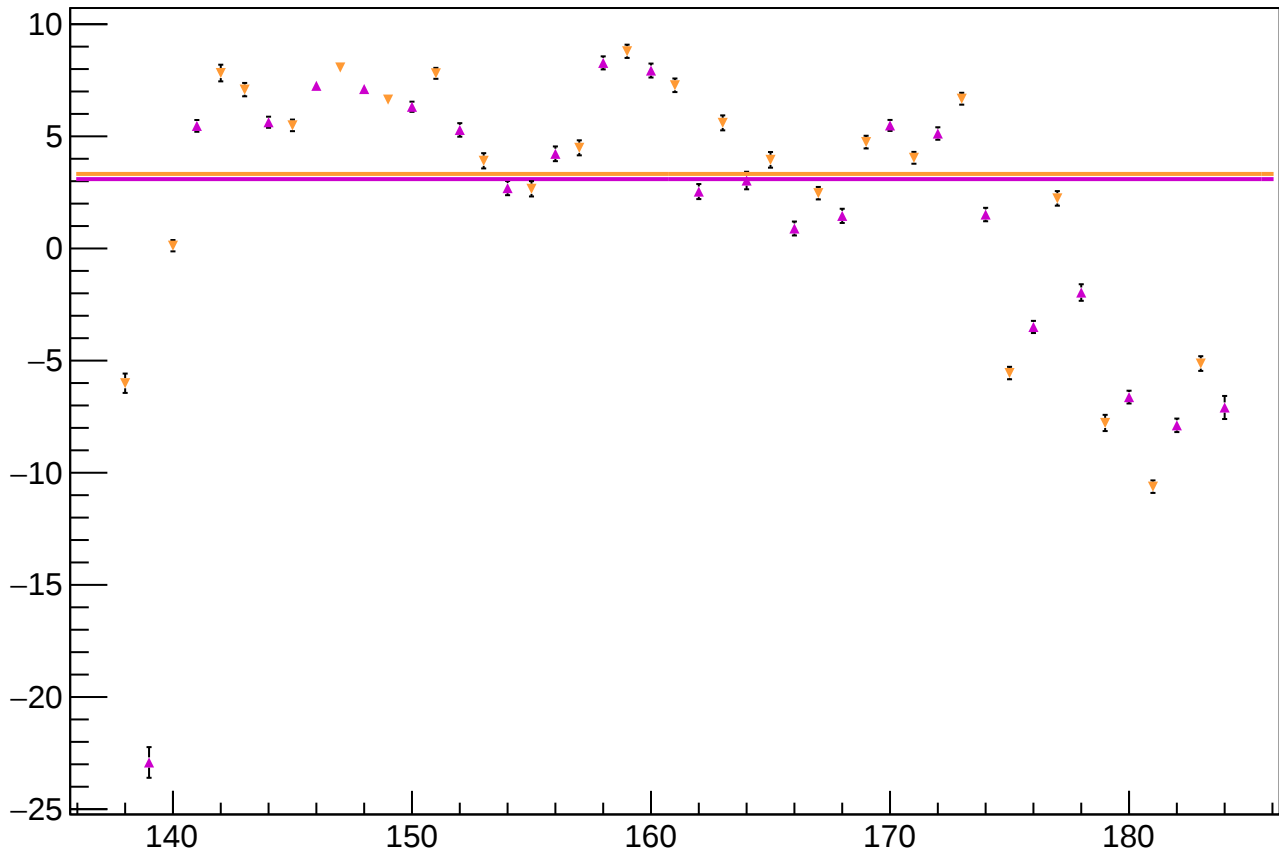
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 13.315 $\pm$ 0.077 χ^2 /NDF:13977.7/22

Out: 13.477 $\pm$ 0.076 χ^2 /NDF:16296.5/23

All: 13.397 $\pm$ 0.054 χ^2 /NDF: 30276.4/46

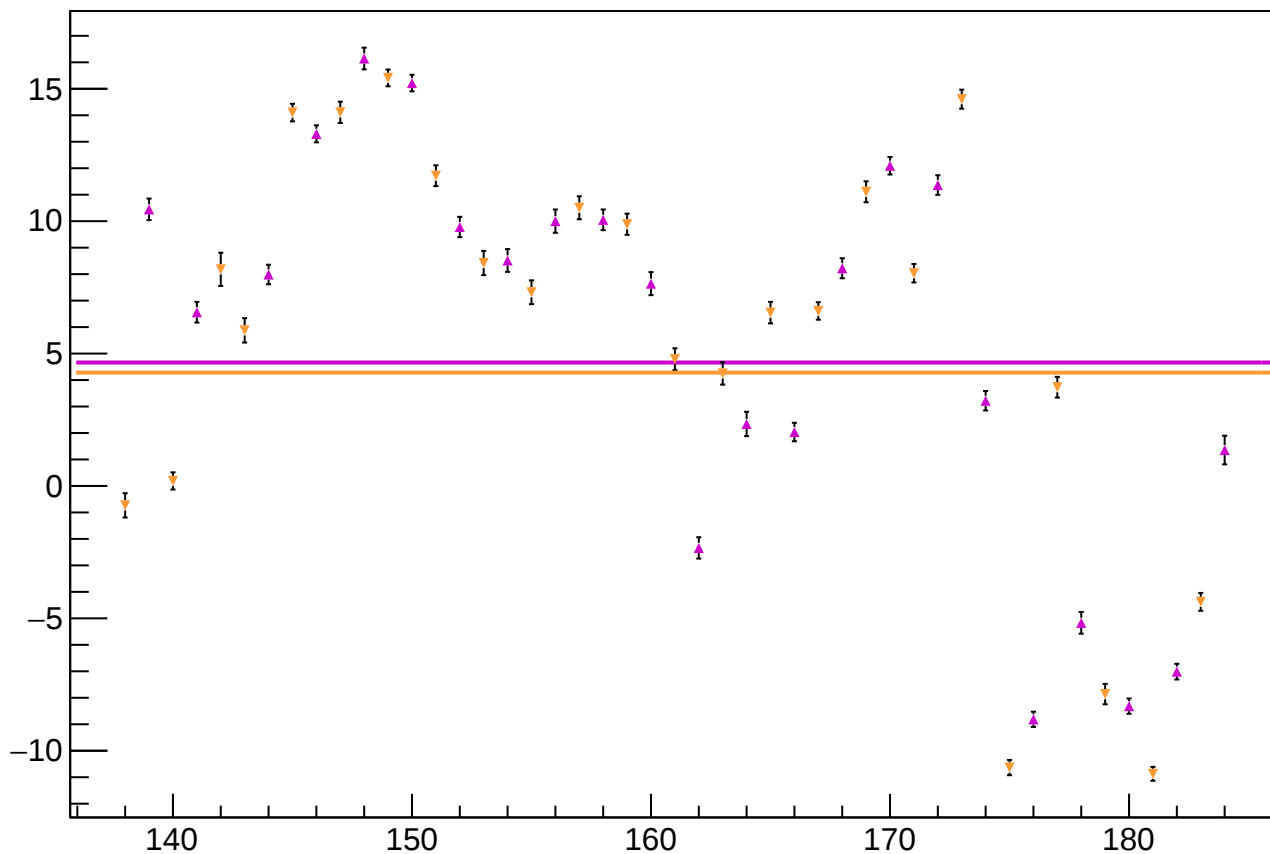
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.324+/-0.059 χ^2/NDF :8008.7/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.092+/-0.061 χ^2/NDF :7104.4/22

Left: 3.211+/-0.042 χ^2/NDF : 15120.6/46
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.092+/-0.061 χ^2/NDF :7104.4/22
 Out: 3.324+/-0.059 χ^2/NDF :8008.7/23
 All: 3.211+/-0.042 χ^2/NDF : 15120.6/46

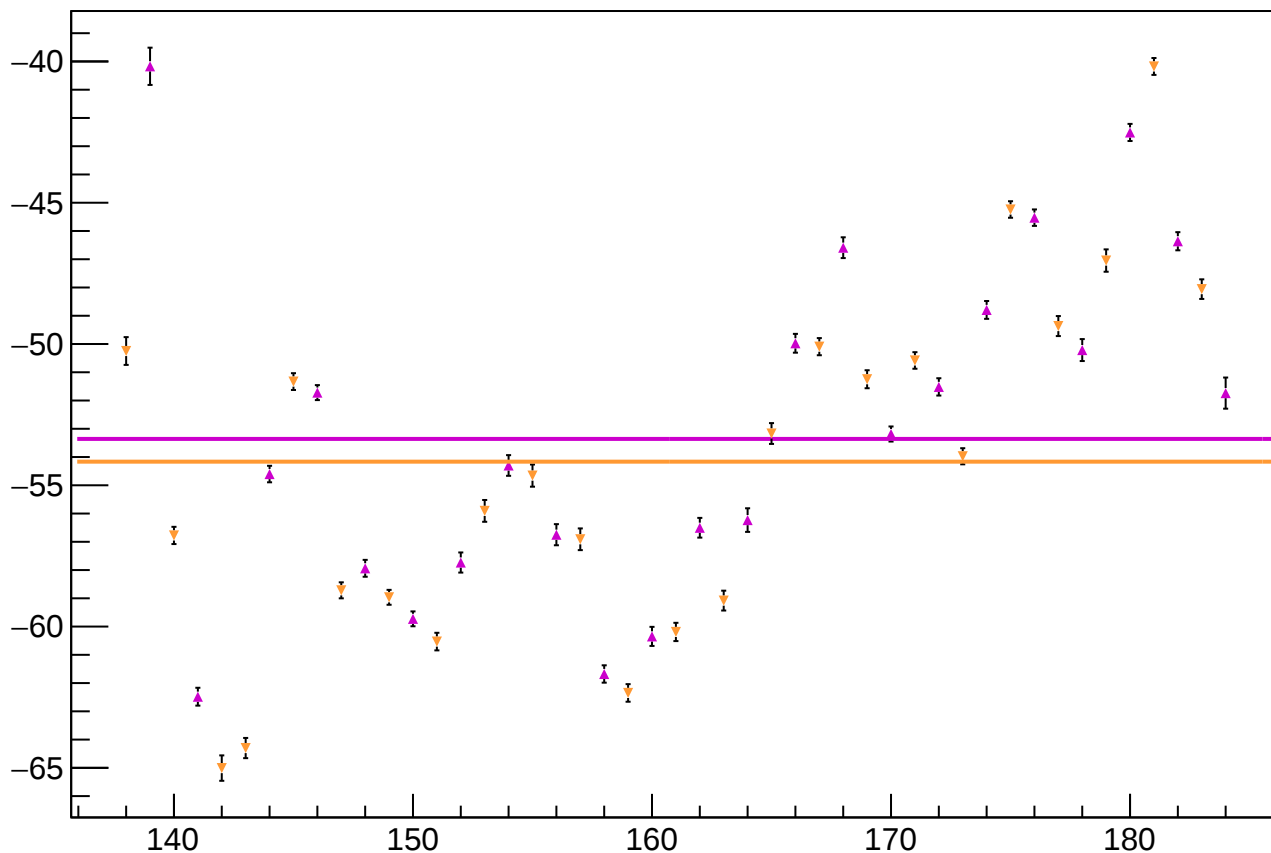
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.281 $\pm$ 0.076 χ^2 /NDF:12881.4/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

Left: 4.470 $\pm$ 0.054 χ^2 /NDF: 24175.2/46
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22
 Out: 4.281 $\pm$ 0.076 χ^2 /NDF:12881.4/23
 All: 4.470 $\pm$ 0.054 χ^2 /NDF: 24175.2/46

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: -54.164+/-0.067 χ^2/NDF : 8290.9/23

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: -53.769+/-0.048 χ^2/NDF : 15243.3/46

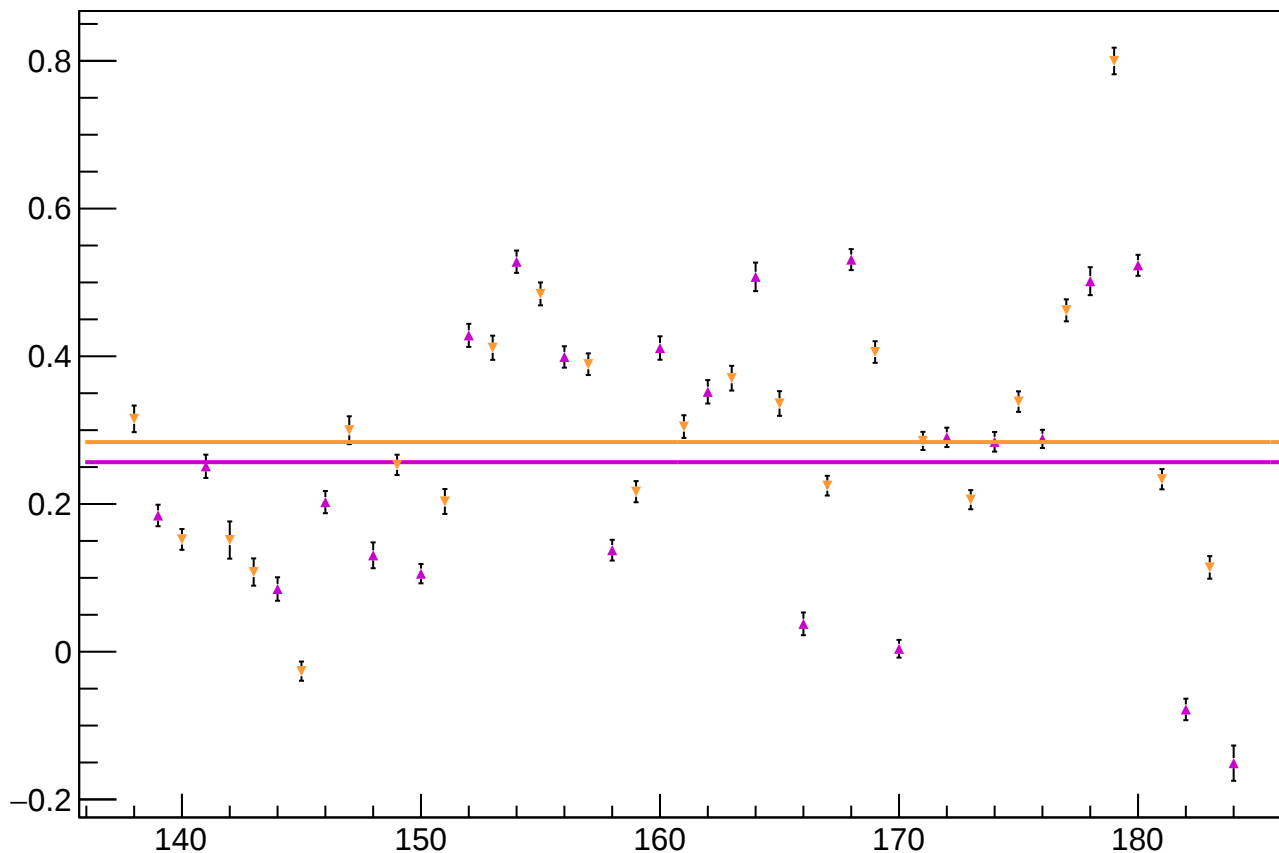
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -53.359+/-0.068 χ^2/NDF : 6882.0/22

Out: -54.164+/-0.067 χ^2/NDF : 8290.9/23

All: -53.769+/-0.048 χ^2/NDF : 15243.3/46

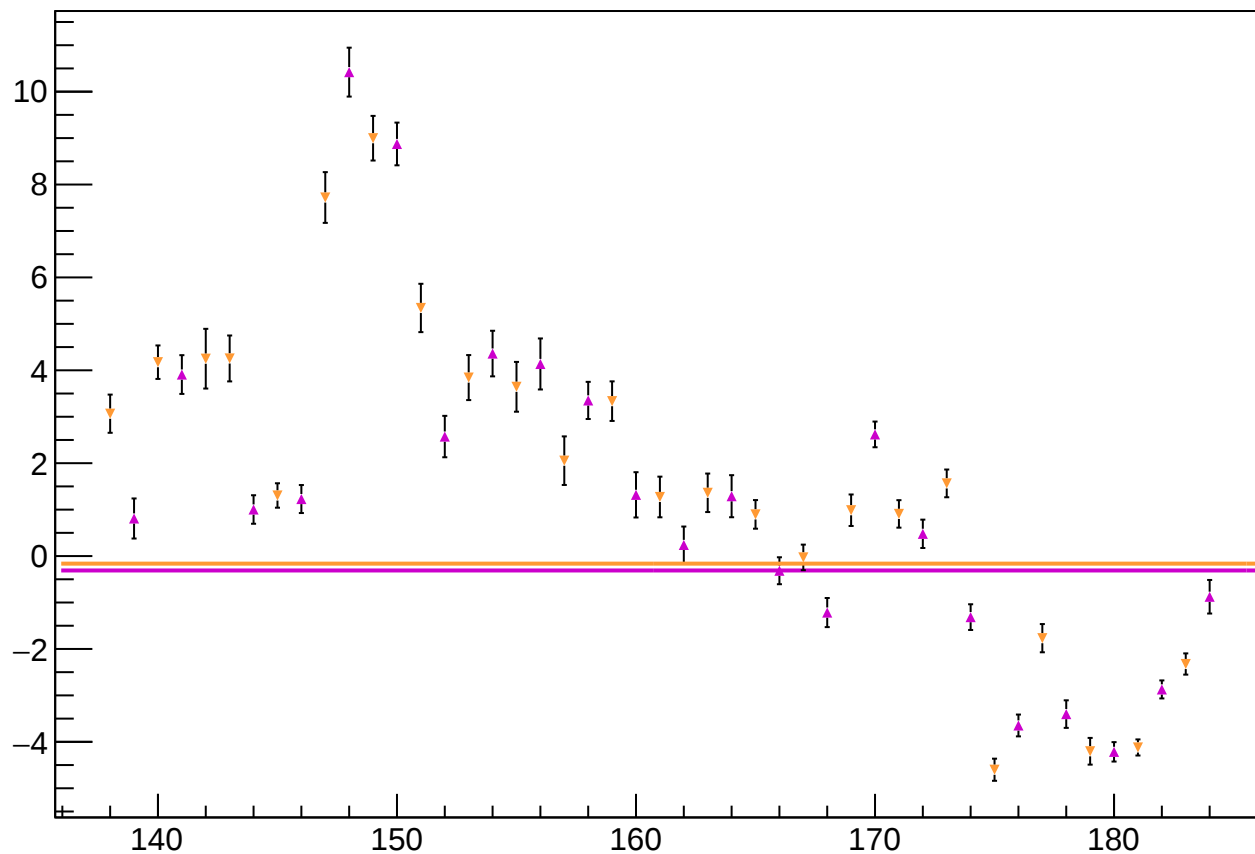
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 0.284 $\pm$ 0.003 χ^2/NDF :2386.3/23
 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: 0.270 $\pm$ 0.002 χ^2/NDF : 6048.7/46
 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: 0.284 $\pm$ 0.003 χ^2/NDF :2386.3/23
 All: 0.270 $\pm$ 0.002 χ^2/NDF : 6048.7/46

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: -0.163 $\pm$ 0.067 χ^2 /NDF:2529.2/23
 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: -0.236 $\pm$ 0.048 χ^2 /NDF: 4782.0/46

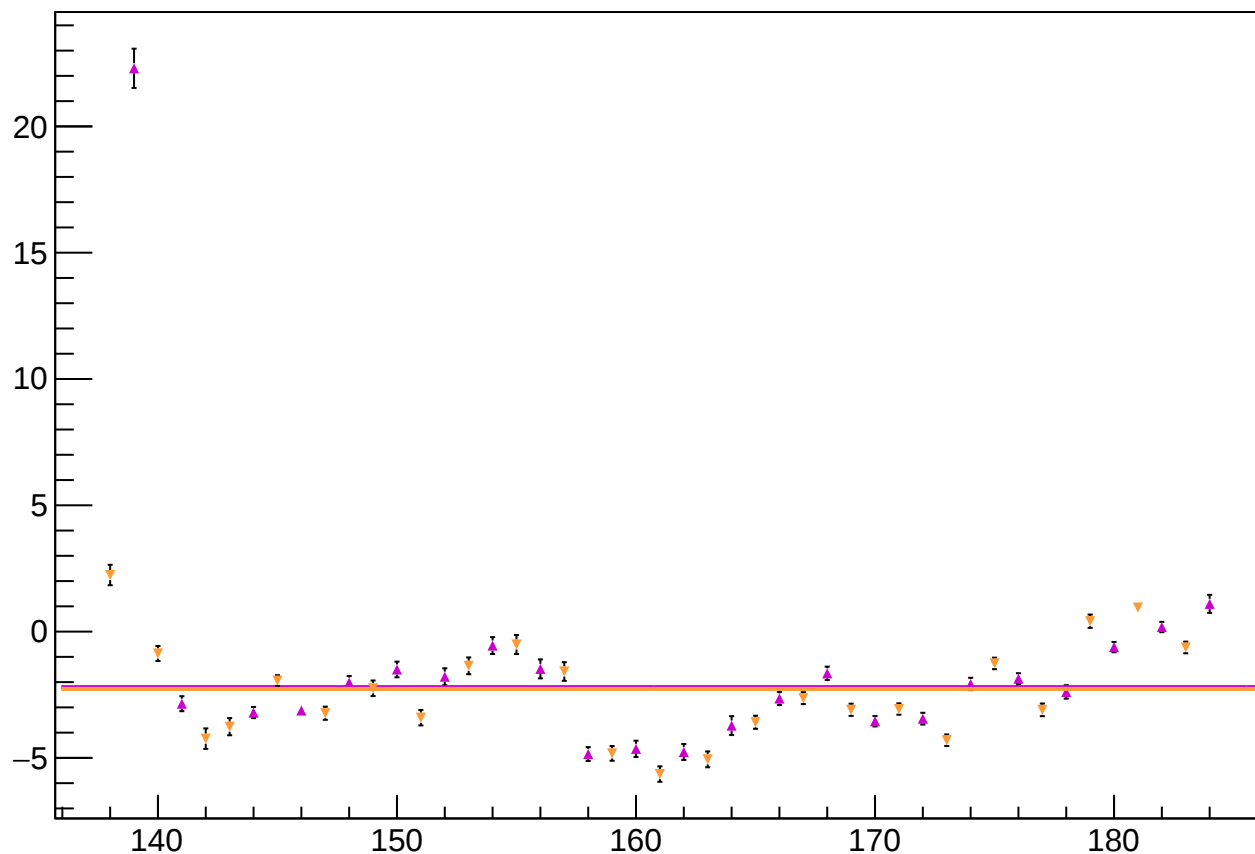
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.310 $\pm$ 0.067 χ^2 /NDF:2250.5/22

Out: -0.163 $\pm$ 0.067 χ^2 /NDF:2529.2/23

All: -0.236 $\pm$ 0.048 χ^2 /NDF: 4782.0/46

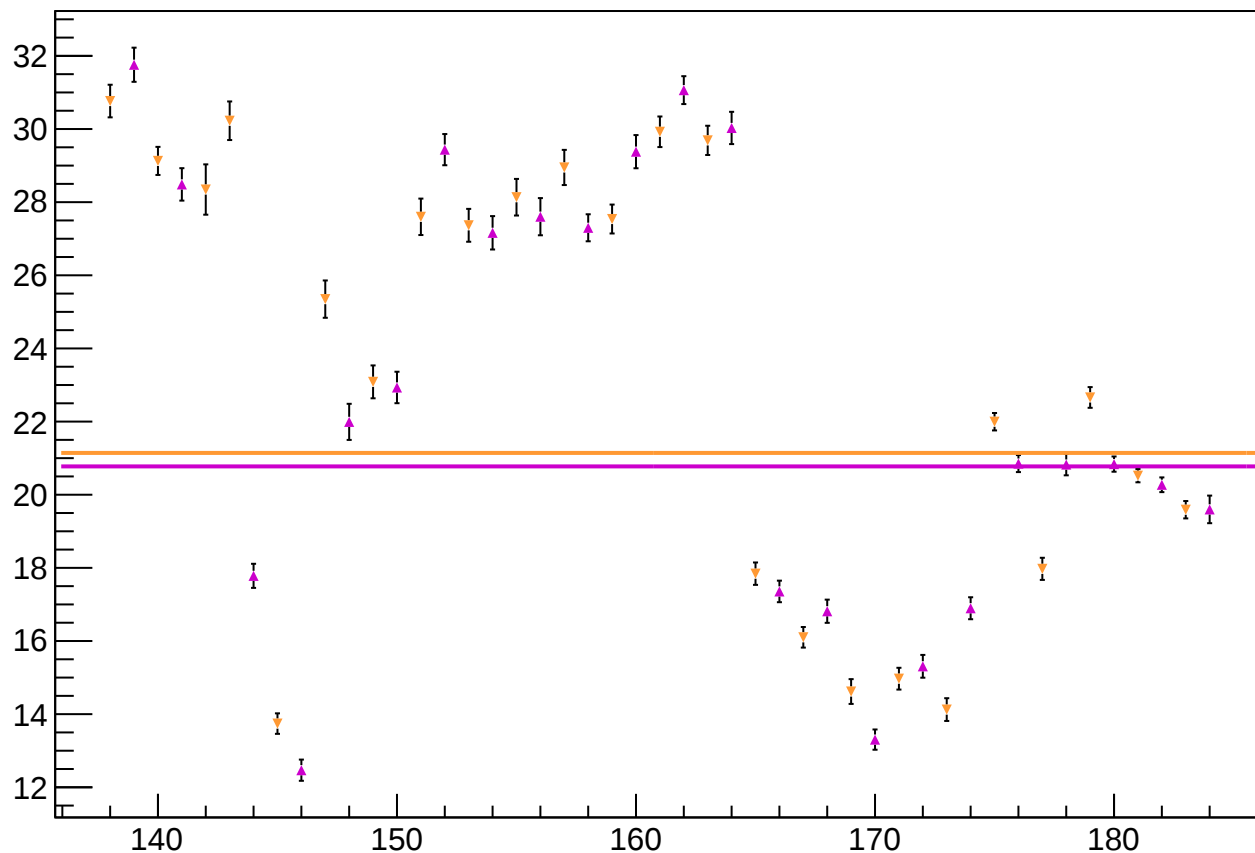
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.268+/-0.055 χ^2/NDF :1129.4/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.198+/-0.055 χ^2/NDF :1673.9/22

Left: -2.233+/-0.039 χ^2/NDF : 2804.1/46
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.198+/-0.055 χ^2/NDF :1673.9/22
 Out: -2.268+/-0.055 χ^2/NDF :1129.4/23
 All: -2.233+/-0.039 χ^2/NDF : 2804.1/46

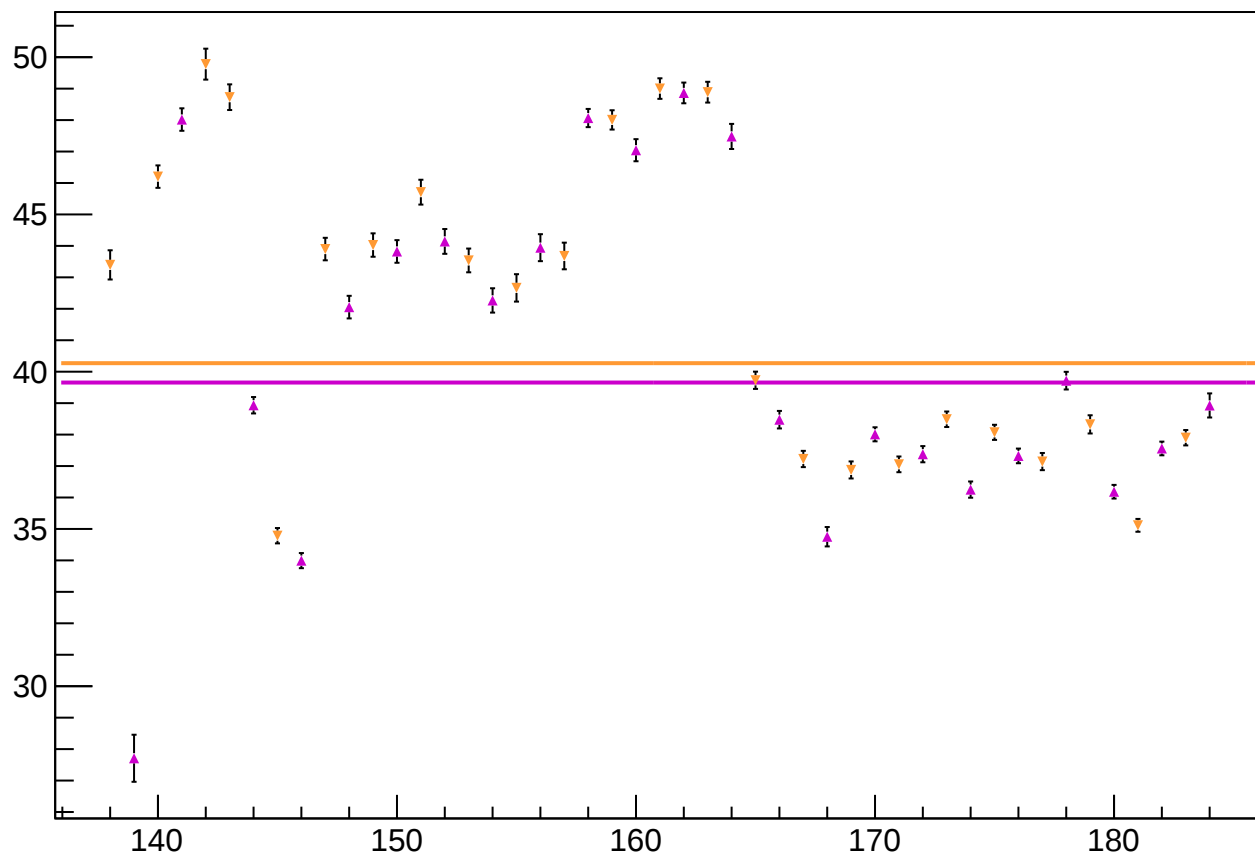
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 21.143 $\pm$ 0.068 χ^2 /NDF:6018.5/23
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 20.774 $\pm$ 0.068 χ^2 /NDF:5927.9/22

Left: 20.958 $\pm$ 0.048 χ^2 /NDF: 11961.2/46
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 20.774 $\pm$ 0.068 χ^2 /NDF:5927.9/22
 Out: 21.143 $\pm$ 0.068 χ^2 /NDF:6018.5/23
 All: 20.958 $\pm$ 0.048 χ^2 /NDF: 11961.2/46

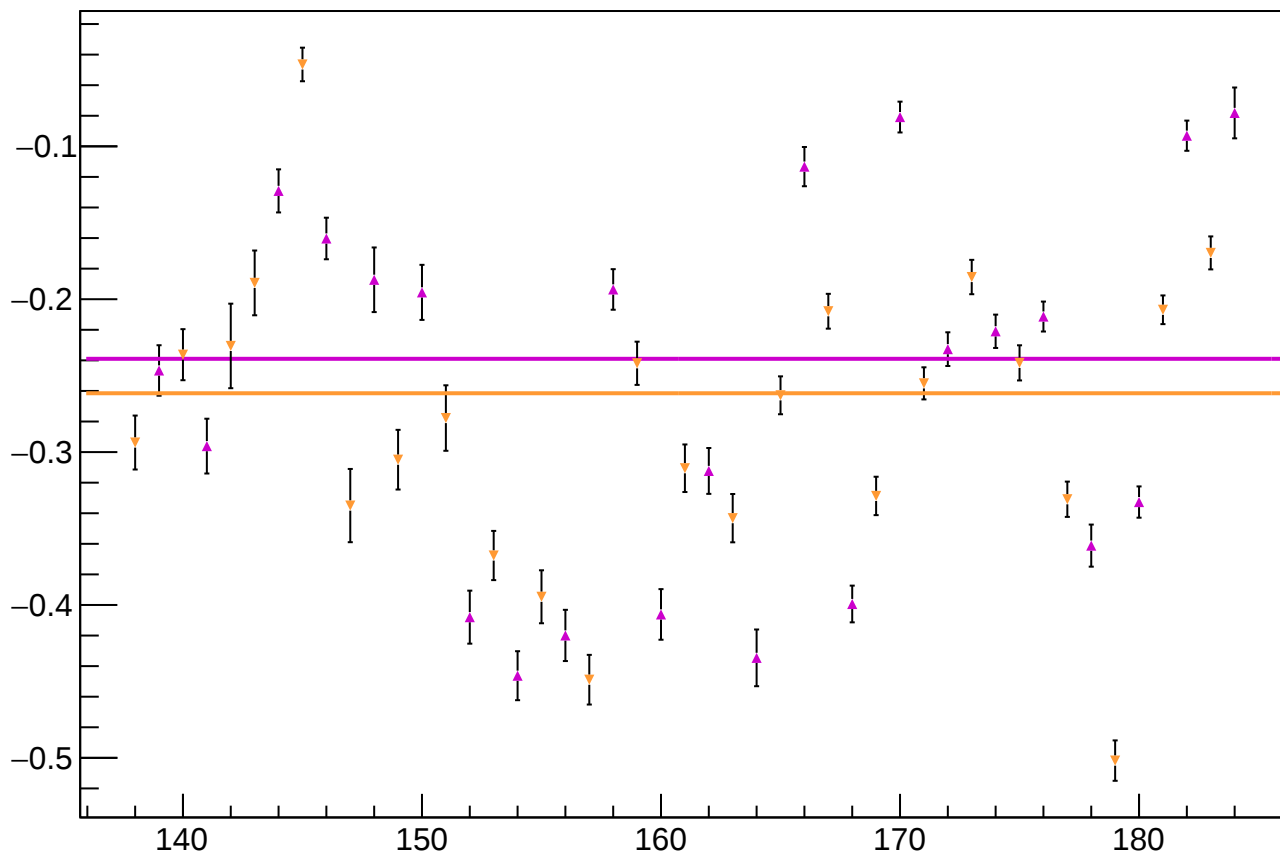
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 40.271 $\pm$ 0.061 χ^2 /NDF:5733.4/23
 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: 39.963 $\pm$ 0.043 χ^2 /NDF: 11082.2/46
 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: 40.271 $\pm$ 0.061 χ^2 /NDF:5733.4/23
 All: 39.963 $\pm$ 0.043 χ^2 /NDF: 11082.2/46

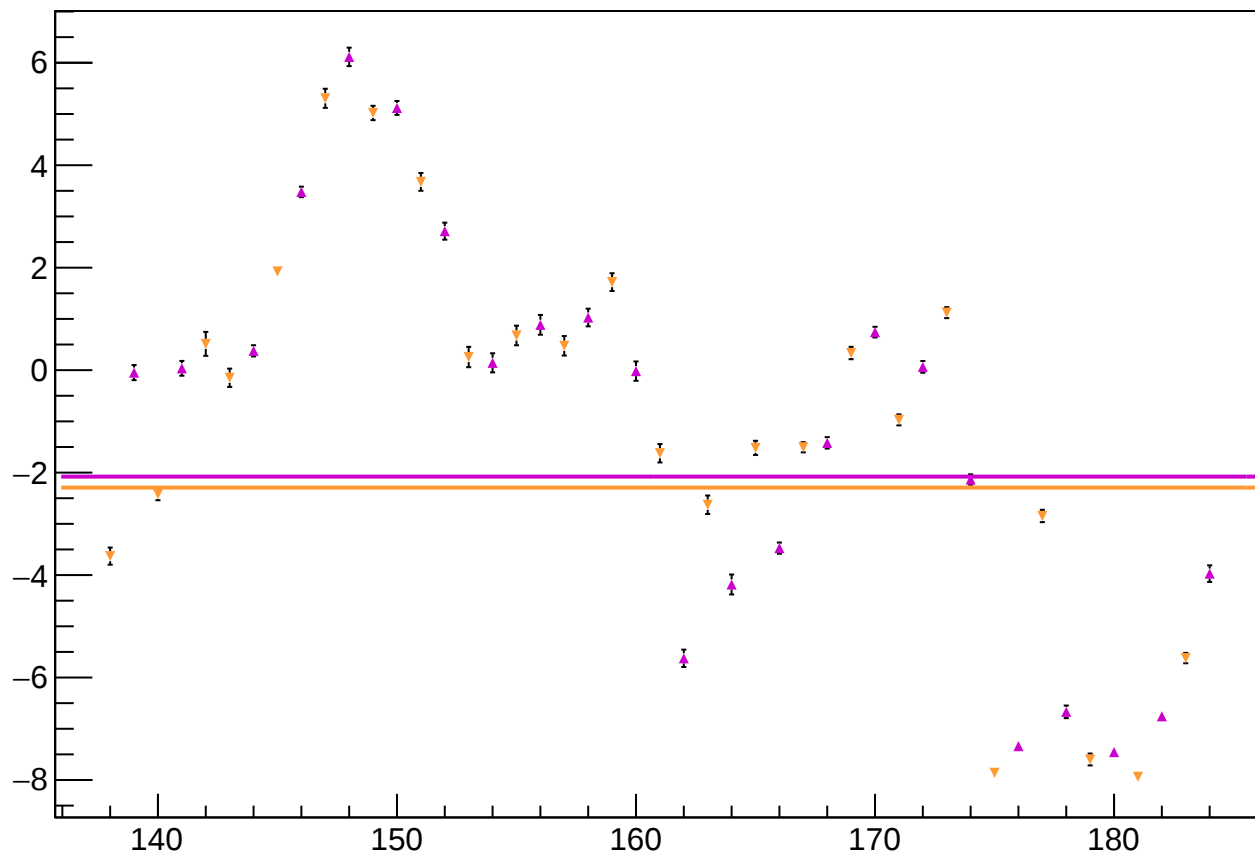
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.262 $\pm$ 0.003 χ^2 /NDF:1264.0/23
 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: -0.250 $\pm$ 0.002 χ^2 /NDF: 3047.0/46
 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: -0.262 $\pm$ 0.003 χ^2 /NDF:1264.0/23
 All: -0.250 $\pm$ 0.002 χ^2 /NDF: 3047.0/46

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: -2.292+/-0.026 χ^2/NDF :23263.3/23
 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: -2.186+/-0.018 χ^2/NDF : 46543.0/46

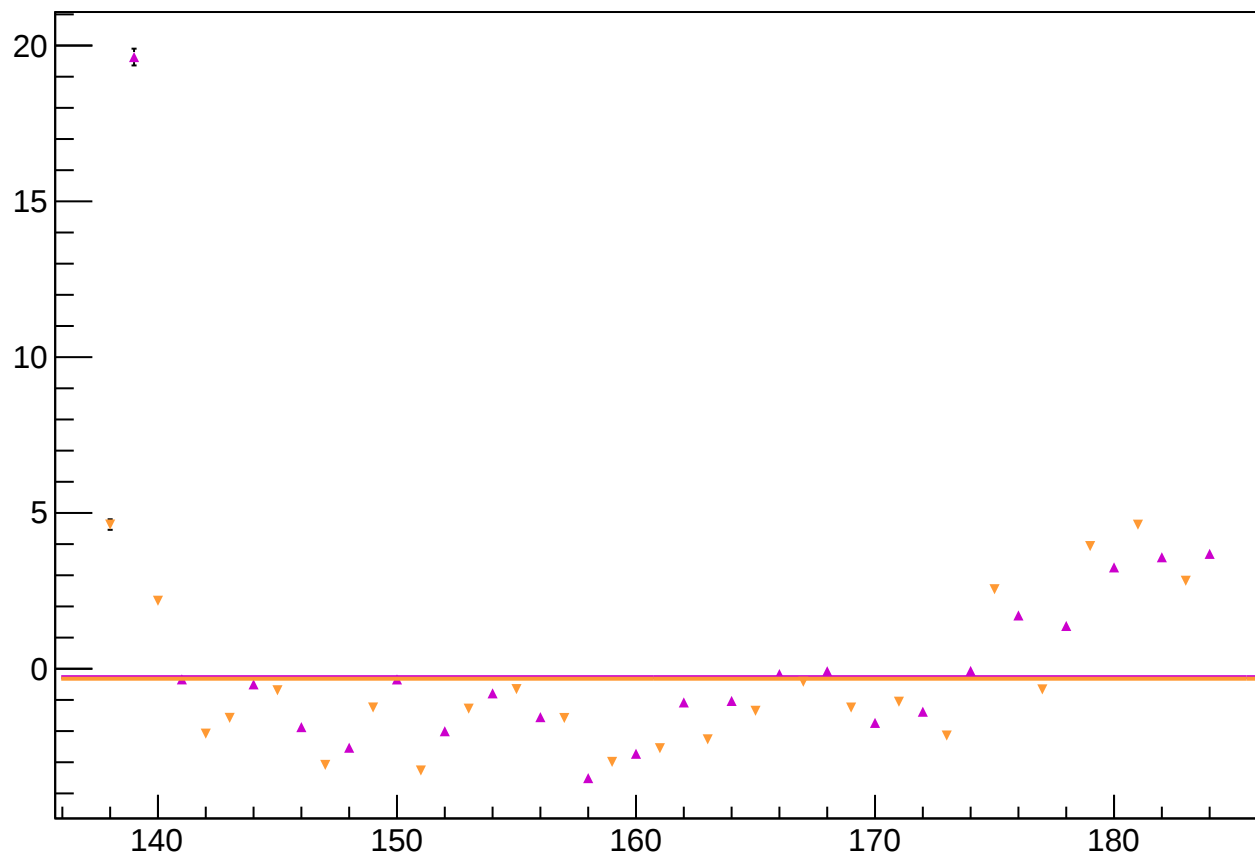
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -2.078+/-0.026 χ^2/NDF :23245.8/22

Out: -2.292+/-0.026 χ^2/NDF :23263.3/23

All: -2.186+/-0.018 χ^2/NDF : 46543.0/46

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected

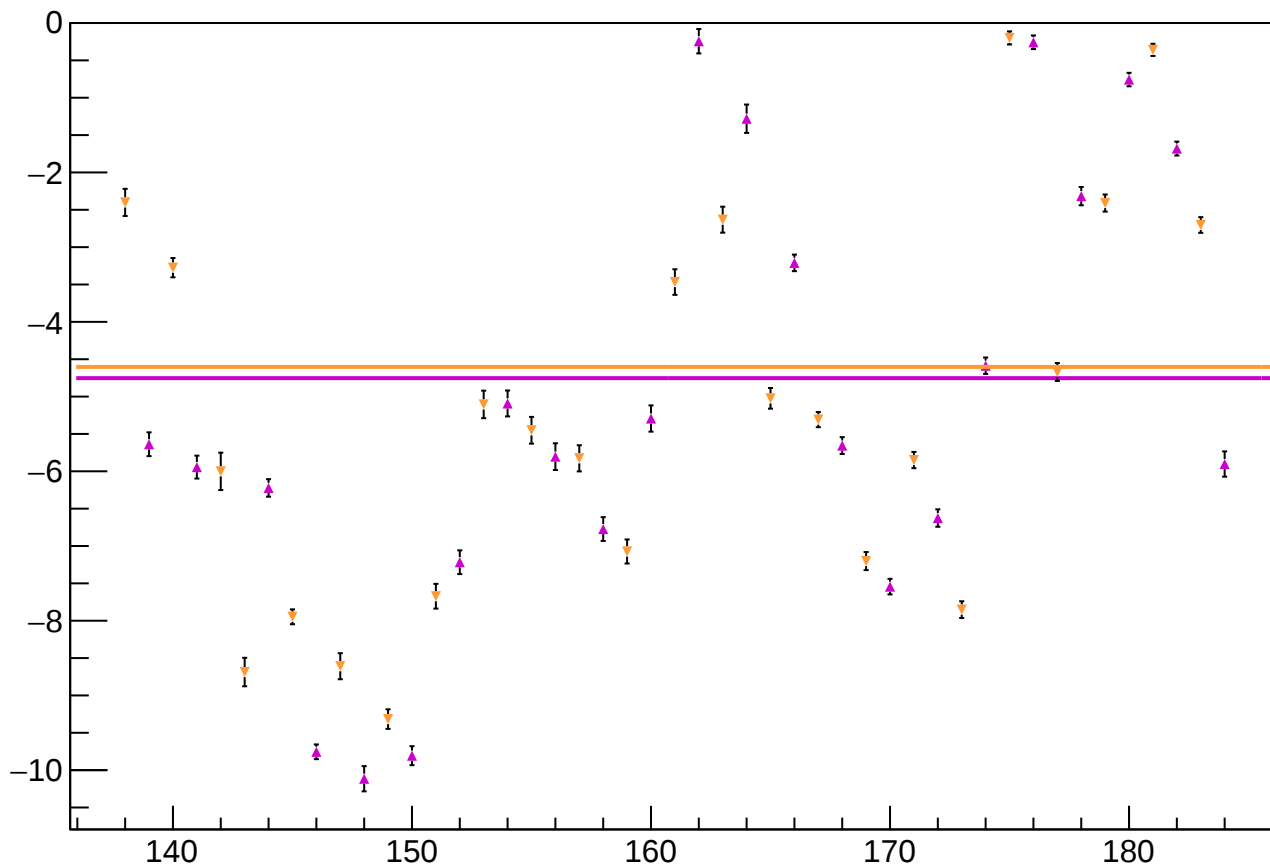


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.319+/-0.021 χ^2/NDF :12533.3/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.269+/-0.021 χ^2/NDF :13323.1/22

Left: -0.294+/-0.015 χ^2/NDF : 25859.2/46
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.269+/-0.021 χ^2/NDF :13323.1/22
 Out: -0.319+/-0.021 χ^2/NDF :12533.3/23

All: -0.294+/-0.015 χ^2/NDF : 25859.2/46

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: -4.603 $\pm$ 0.026 χ^2 /NDF:11964.8/23
 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: -4.678 $\pm$ 0.018 χ^2 /NDF: 26100.5/46

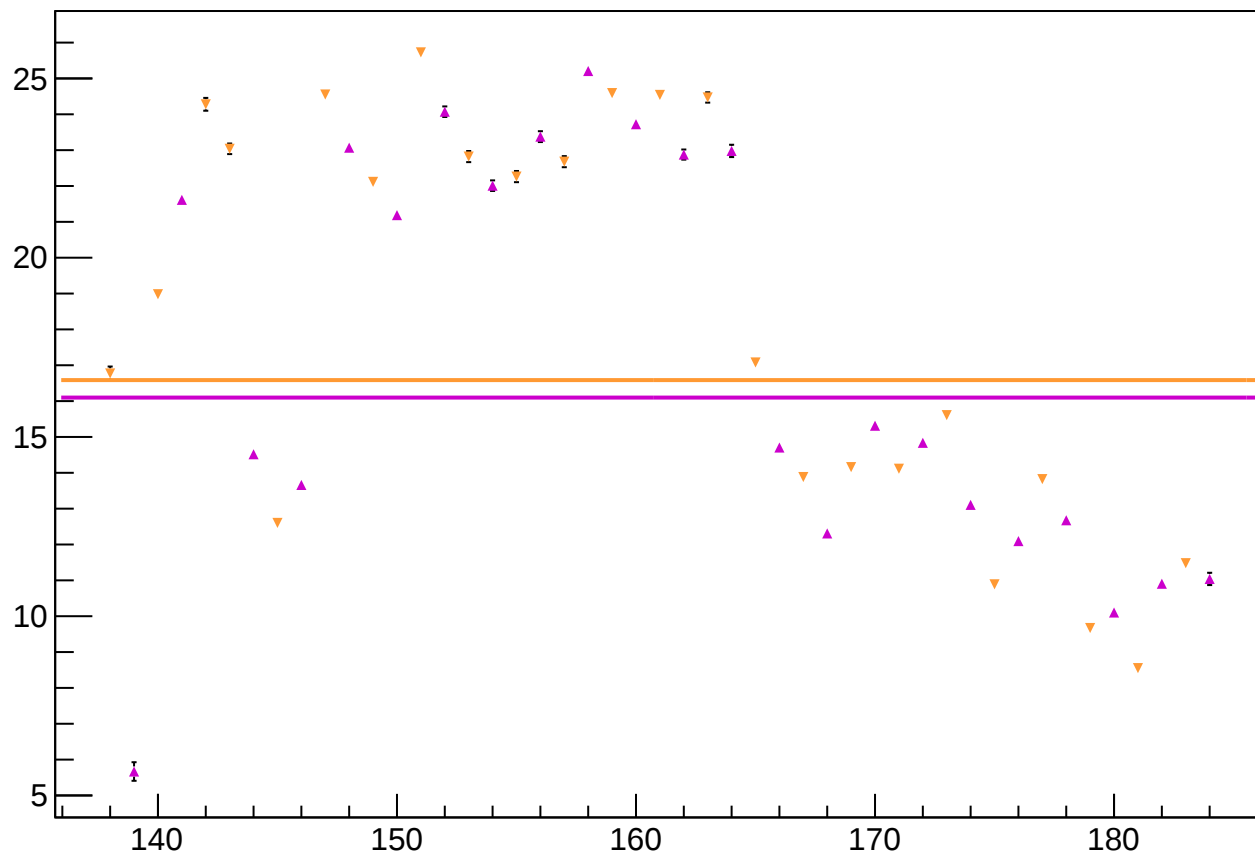
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -4.753 $\pm$ 0.026 χ^2 /NDF:14119.2/22

Out: -4.603 $\pm$ 0.026 χ^2 /NDF:11964.8/23

All: -4.678 $\pm$ 0.018 χ^2 /NDF: 26100.5/46

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: 16.586+/-0.023 χ^2/NDF :53326.9/23

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: 16.343+/-0.017 χ^2/NDF : 95888.0/46

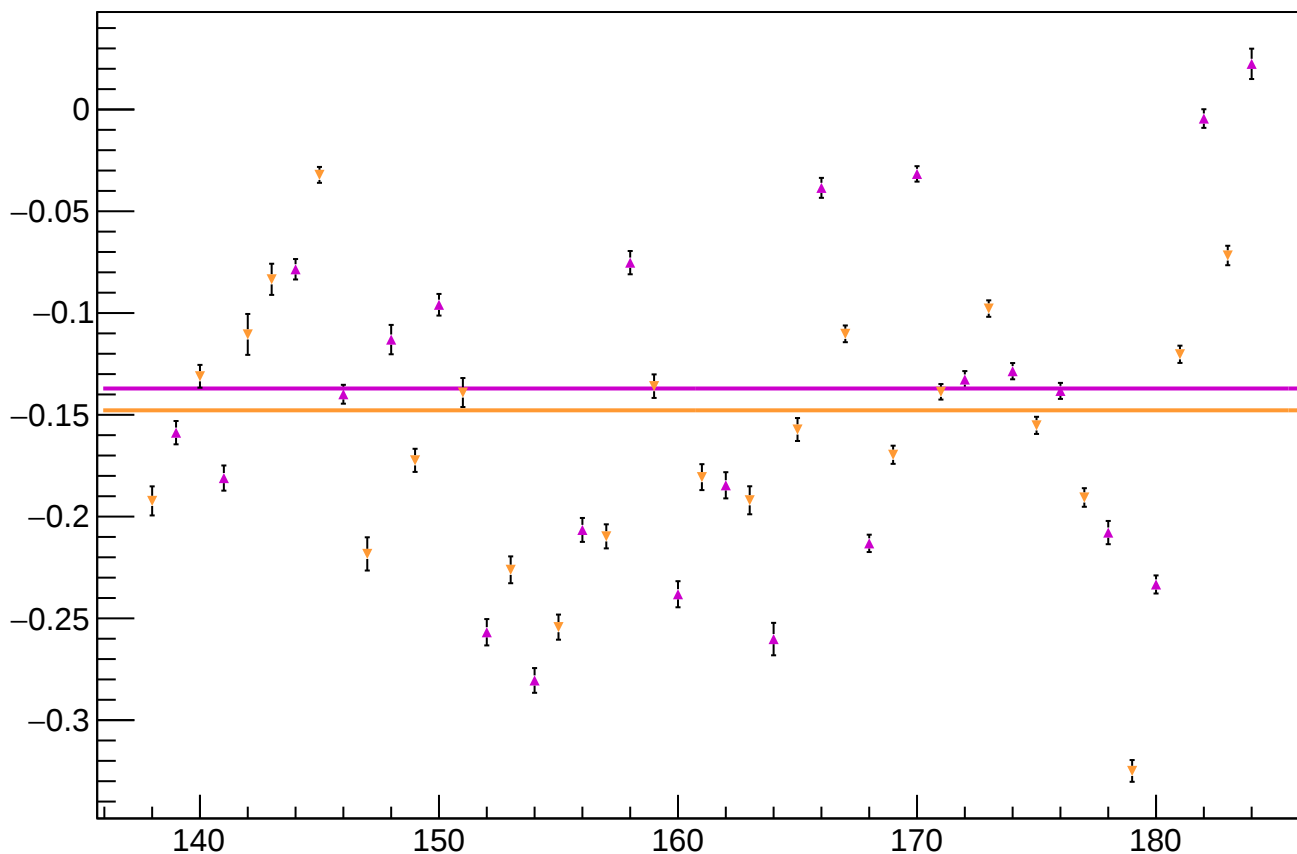
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 16.098+/-0.024 χ^2/NDF :42345.7/22

Out: 16.586+/-0.023 χ^2/NDF :53326.9/23

All: 16.343+/-0.017 χ^2/NDF : 95888.0/46

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: -0.148 $\pm$ 0.001 χ^2 /NDF:3478.4/23

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: -0.142 $\pm$ 0.001 χ^2 /NDF: 8921.1/46

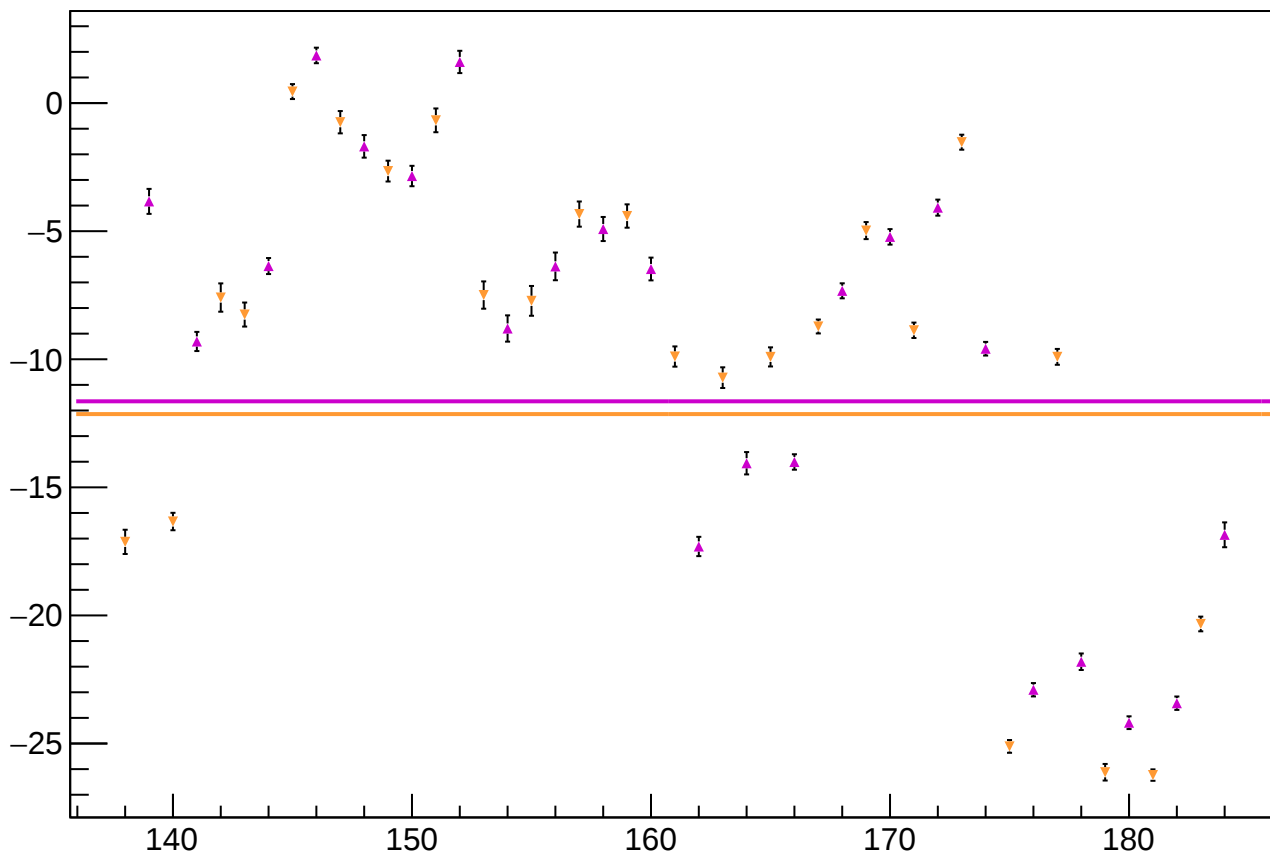
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.137 $\pm$ 0.001 χ^2 /NDF:5392.6/22

Out: -0.148 $\pm$ 0.001 χ^2 /NDF:3478.4/23

All: -0.142 $\pm$ 0.001 χ^2 /NDF: 8921.1/46

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: -12.140 $\pm$ 0.071 χ^2 /NDF:16333.8/23
 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: -11.892 $\pm$ 0.050 χ^2 /NDF: 30479.4/46

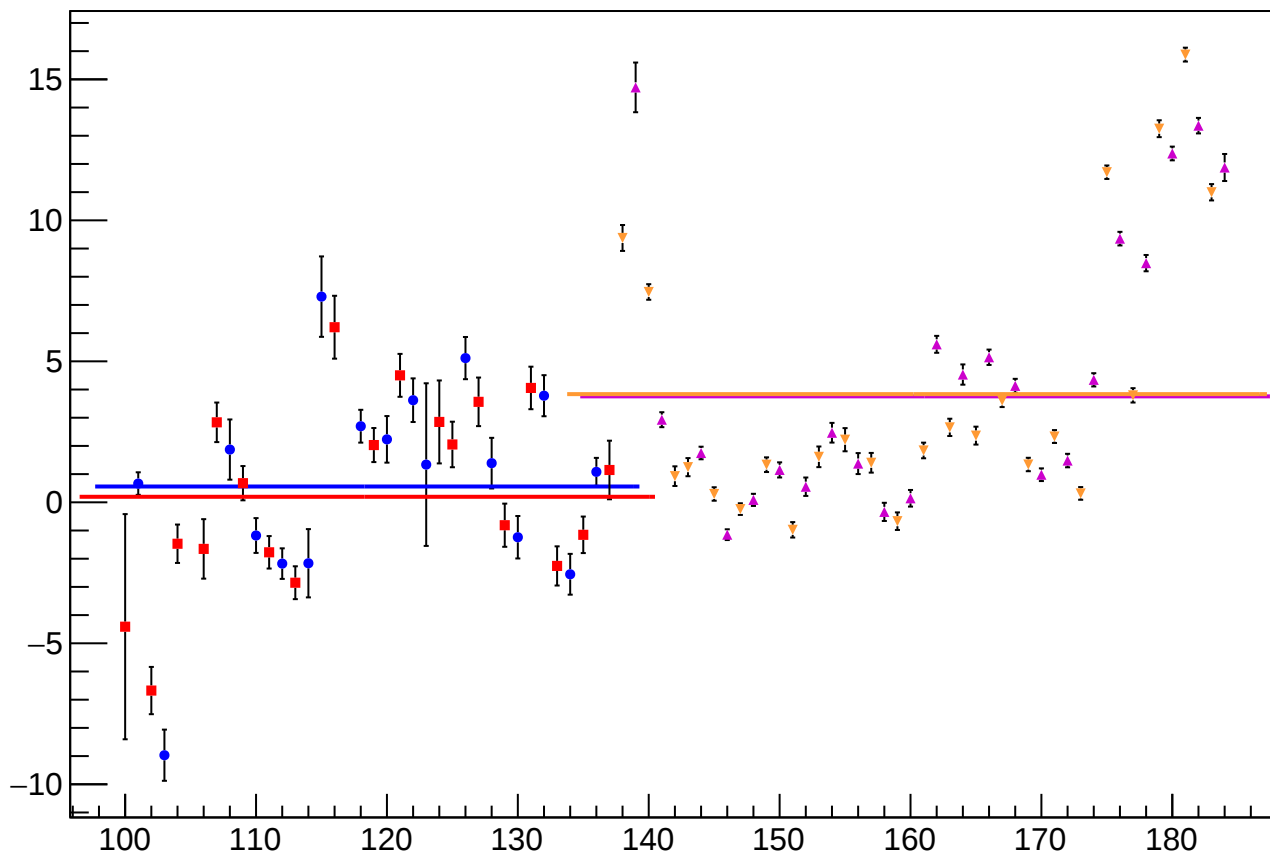
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -11.642 $\pm$ 0.072 χ^2 /NDF:14121.2/22

Out: -12.140 $\pm$ 0.071 χ^2 /NDF:16333.8/23

All: -11.892 $\pm$ 0.050 χ^2 /NDF: 30479.4/46

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.561 ± 0.170 $\chi^2/\text{NDF}: 288.7/16$

Left Out: 3.837 ± 0.056 $\chi^2/\text{NDF}: 7332.7/23$

Right Out: 0.196 ± 0.175 $\chi^2/\text{NDF}: 271.2/18$

Left In: 3.757 ± 0.057 $\chi^2/\text{NDF}: 5629.4/22$

Left: 3.797 ± 0.040 $\chi^2/\text{NDF}: 12963.1/46$

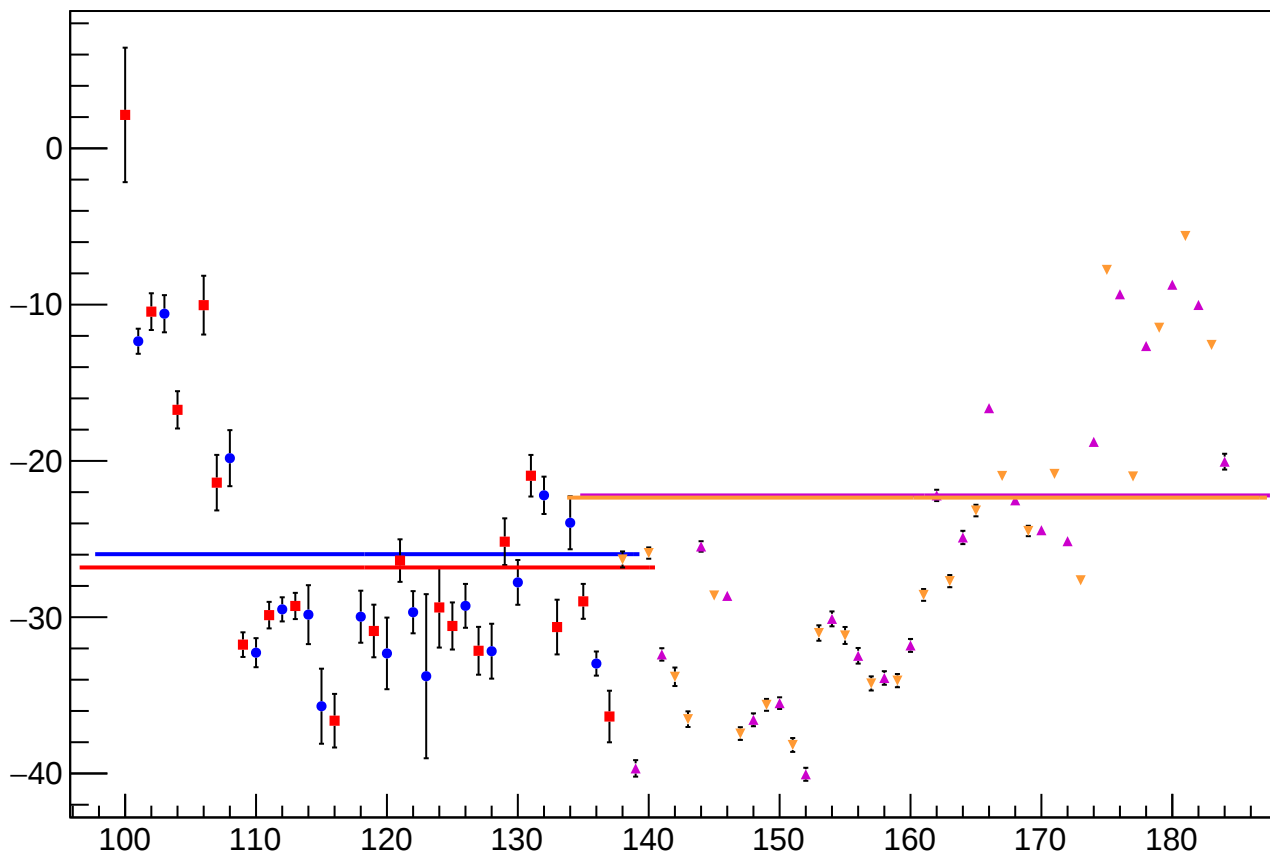
Right: 0.383 ± 0.122 $\chi^2/\text{NDF}: 562.1/35$

In: 3.439 ± 0.054 $\chi^2/\text{NDF}: 6234.8/39$

Out: 3.497 ± 0.053 $\chi^2/\text{NDF}: 7997.0/42$

All: 3.468 ± 0.038 $\chi^2/\text{NDF}: 14232.3/82$

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: -22.348 ± 0.072 χ^2/NDF : 19361.2/23

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: -22.279 ± 0.051 χ^2/NDF : 36990.5/46

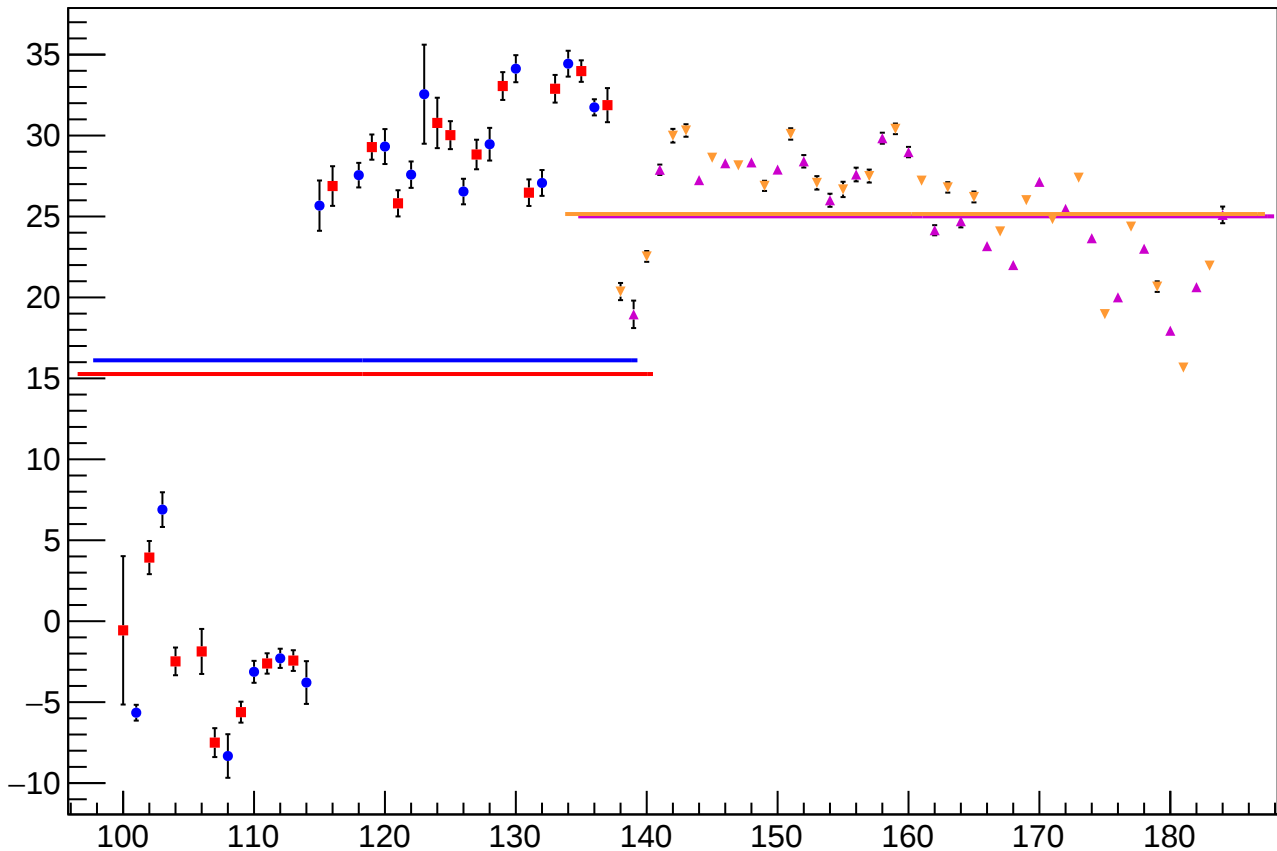
Right: -26.397 ± 0.212 χ^2/NDF : 1276.0/35

In: -22.410 ± 0.070 χ^2/NDF : 18466.1/39

Out: -22.592 ± 0.070 χ^2/NDF : 20154.8/42

All: -22.501 ± 0.049 χ^2/NDF : 38624.2/82

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: 25.153 $\pm$ 0.063 χ^2 /NDF:3678.9/23

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: 25.081 $\pm$ 0.045 χ^2 /NDF: 6403.4/46

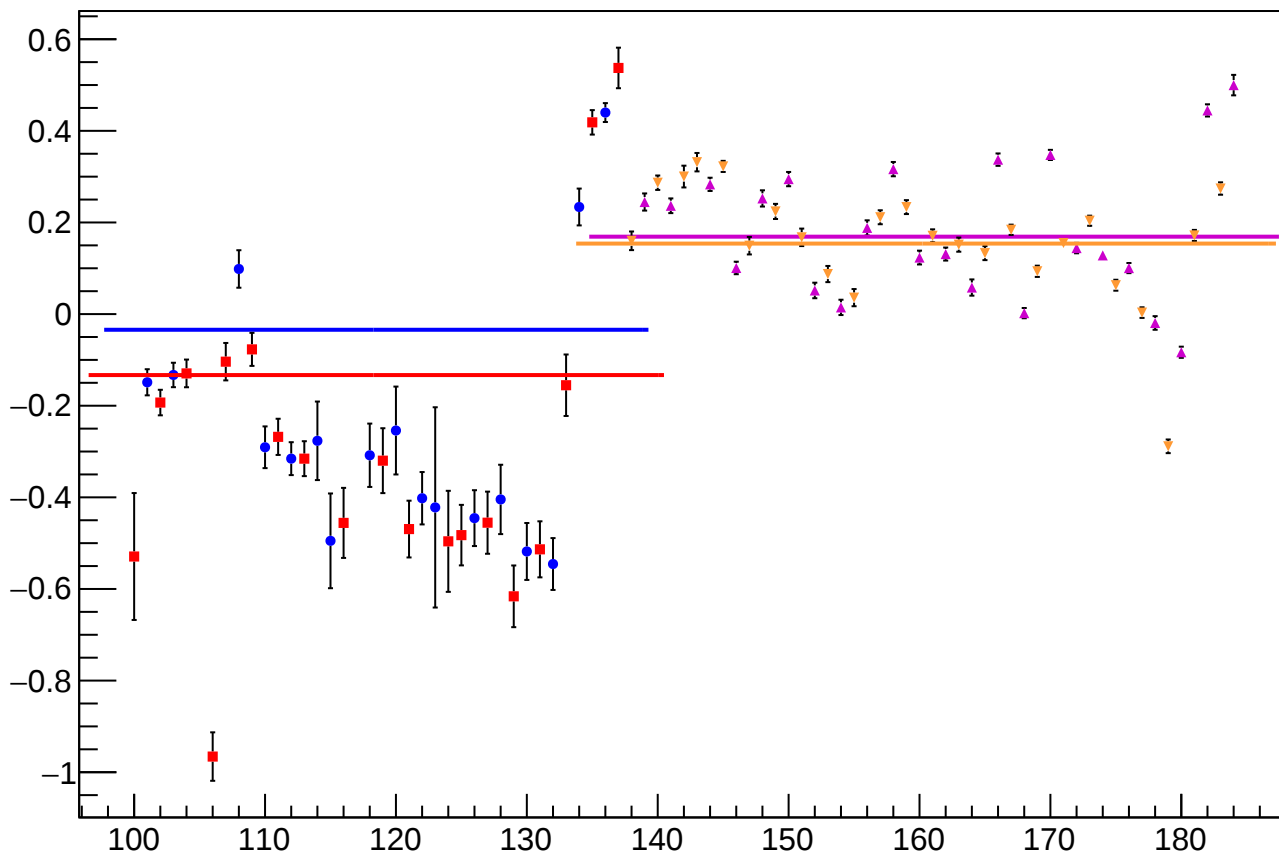
Right: 15.703 $\pm$ 0.138 χ^2 /NDF: 14813.2/35

In: 24.127 $\pm$ 0.061 χ^2 /NDF:12189.0/39

Out: 24.230 $\pm$ 0.060 χ^2 /NDF:13214.4/42

All: 24.179 $\pm$ 0.043 χ^2 /NDF: 25404.8/82

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: 0.154 ± 0.003 χ^2/NDF : 1736.3/23

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: 0.161 ± 0.002 χ^2/NDF : 4168.4/46

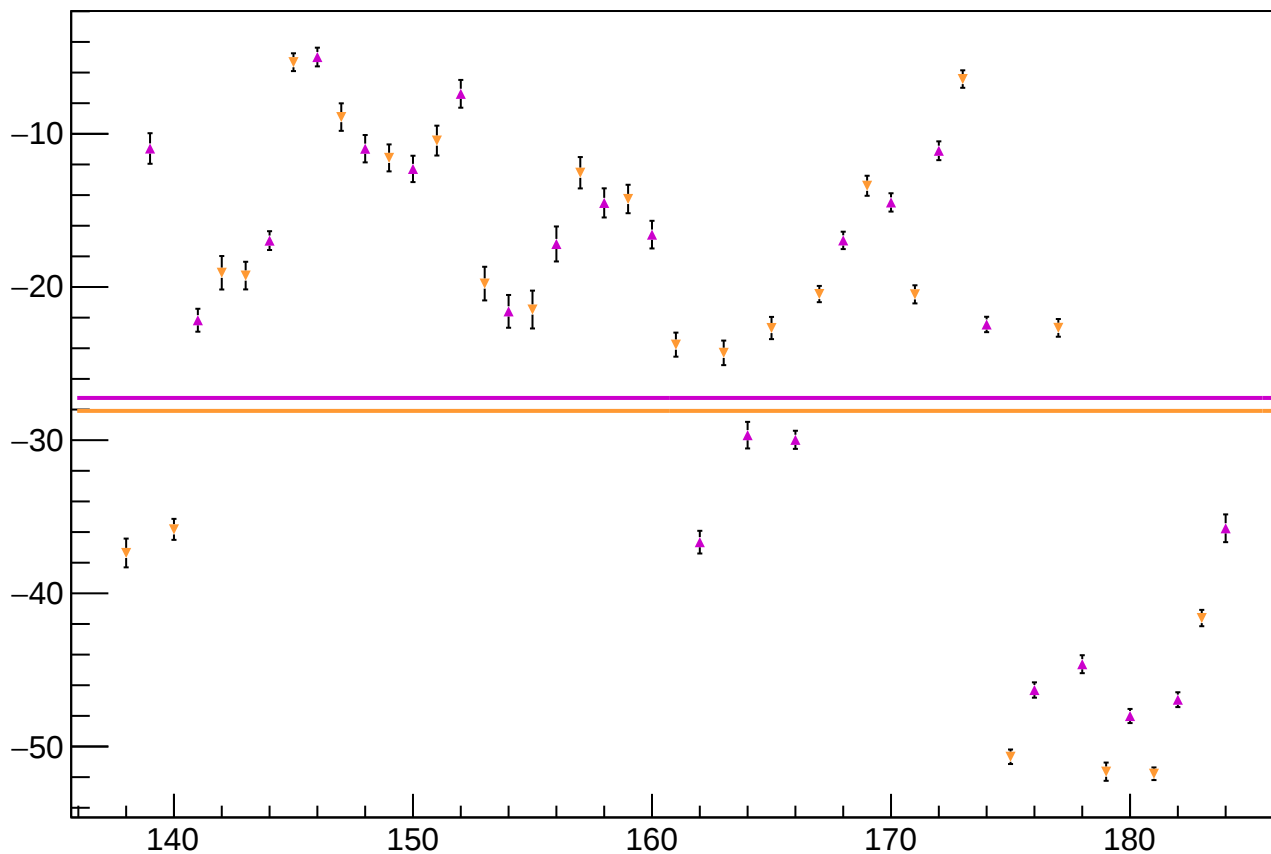
Right: -0.083 ± 0.007 χ^2/NDF : 2217.4/35

In: 0.154 ± 0.003 χ^2/NDF : 3787.7/39

Out: 0.133 ± 0.003 χ^2/NDF : 3604.8/42

All: 0.143 ± 0.002 χ^2/NDF : 7420.6/82

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -28.088+/-0.139 χ^2/NDF :13874.6/23

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

Left In: -27.243+/-0.139 χ^2/NDF :11305.2/22

Left: -27.668+/-0.098 χ^2/NDF : 25198.2/46

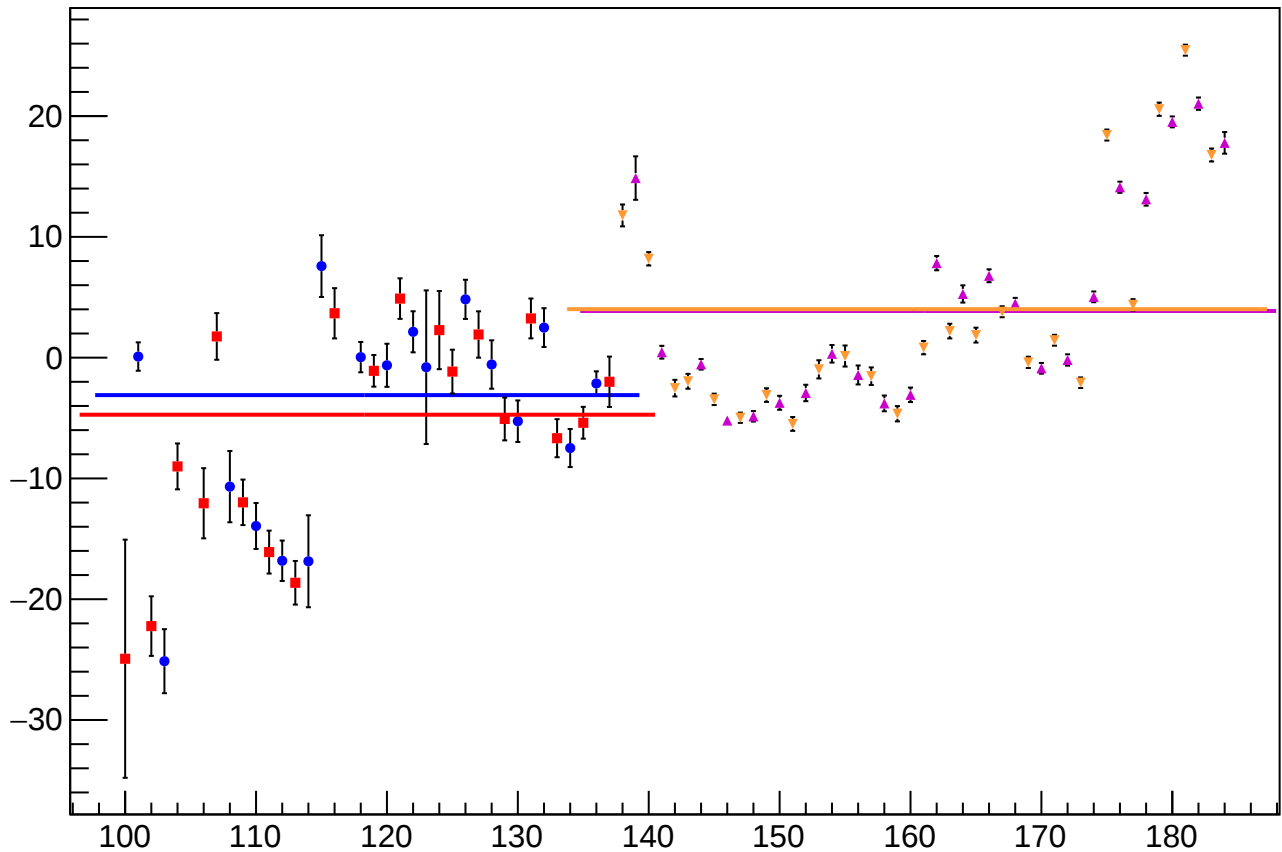
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -27.243+/-0.139 χ^2/NDF :11305.2/22

Out: -28.088+/-0.139 χ^2/NDF :13874.6/23

All: -27.668+/-0.098 χ^2/NDF : 25198.2/46

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.101 ± 0.412 χ^2/NDF : 278.9/16

Left Out: 4.016 ± 0.111 χ^2/NDF : 6812.2/23

Right Out: -4.725 ± 0.427 χ^2/NDF : 296.8/18

Left In: 3.866 ± 0.111 χ^2/NDF : 5424.0/22

Left: 3.941 ± 0.078 χ^2/NDF : 12237.1/46

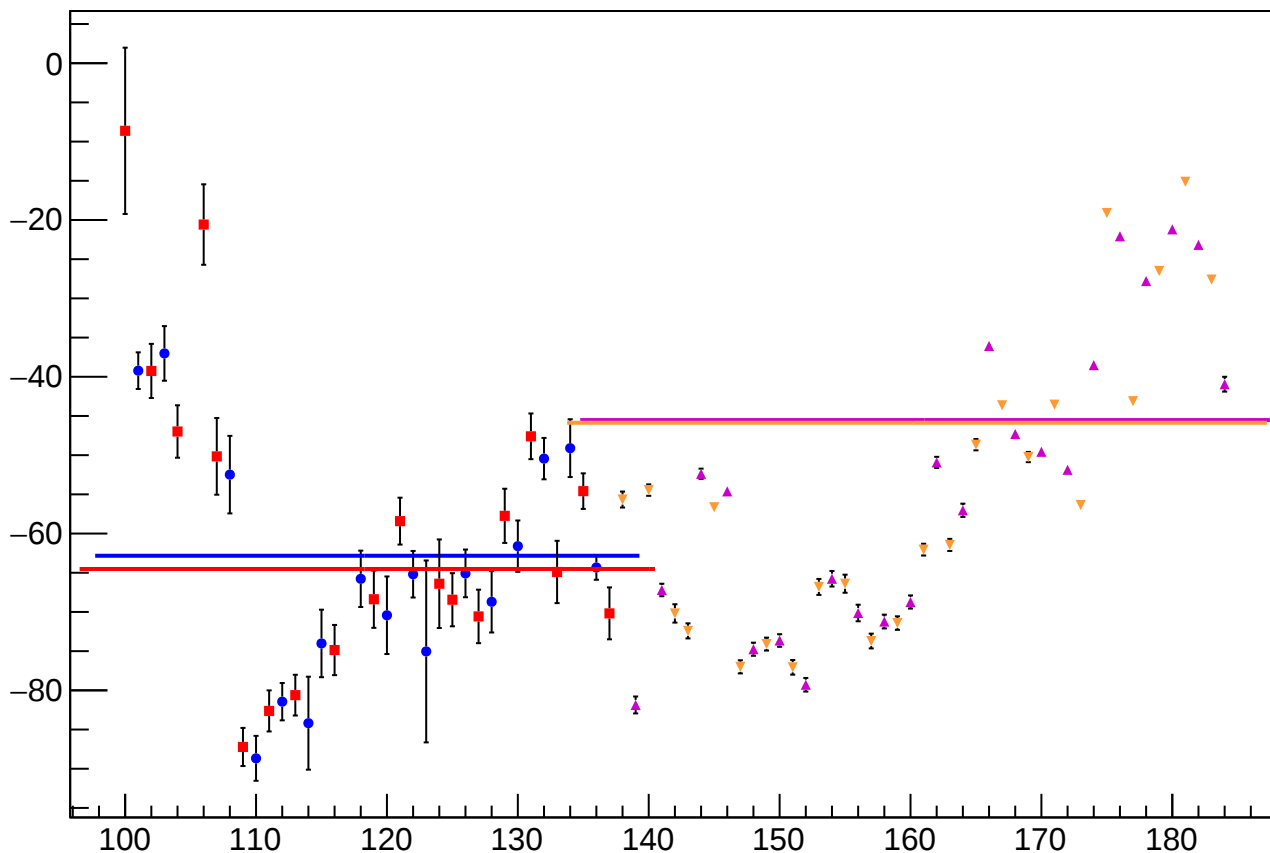
Right: -3.883 ± 0.296 χ^2/NDF : 583.1/35

In: 3.392 ± 0.107 χ^2/NDF : 5969.9/39

Out: 3.467 ± 0.107 χ^2/NDF : 7501.5/42

All: 3.430 ± 0.076 χ^2/NDF : 13471.6/82

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: -45.866 ± 0.140 $\chi^2/\text{NDF}: 19665.0/23$

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: -45.694 ± 0.099 $\chi^2/\text{NDF}: 37193.4/46$

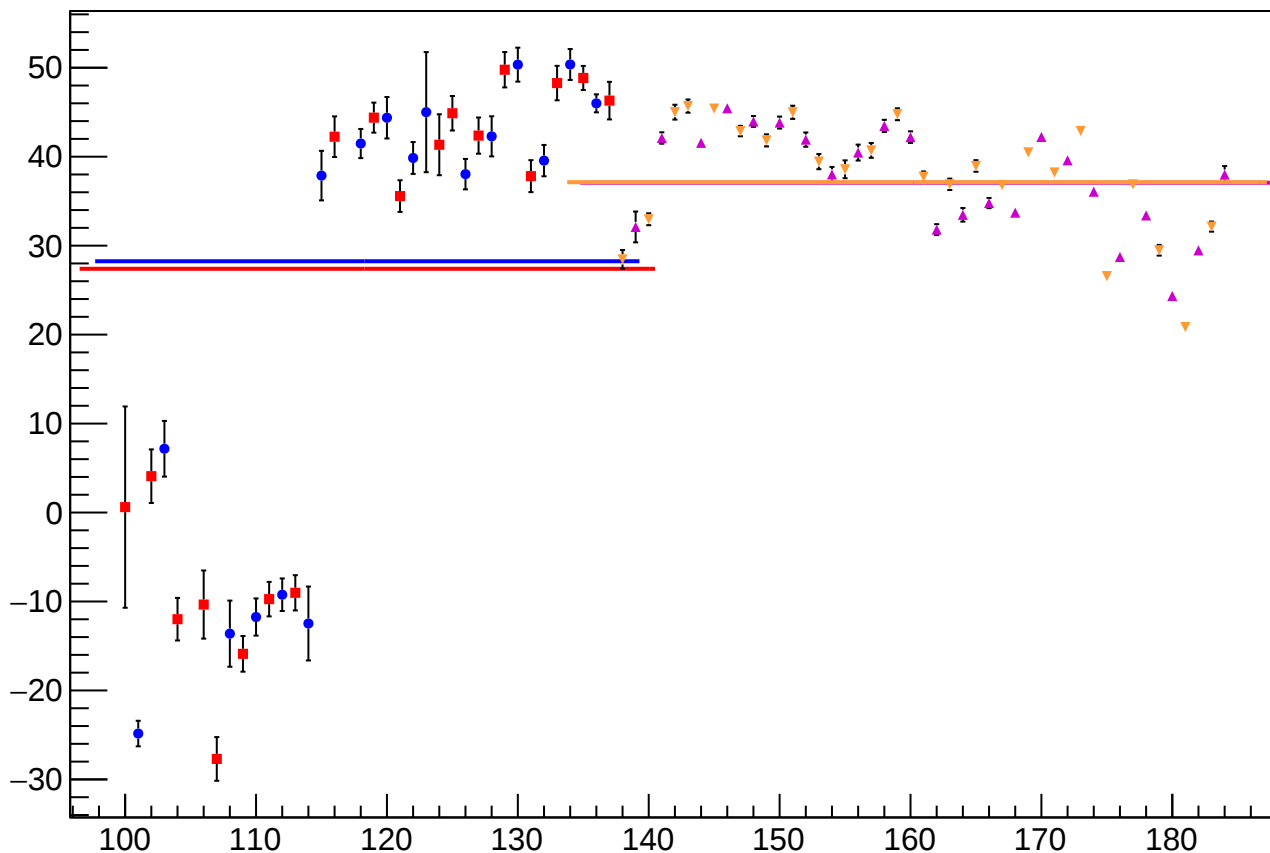
Right: -63.661 ± 0.528 $\chi^2/\text{NDF}: 814.2/35$

In: -46.115 ± 0.137 $\chi^2/\text{NDF}: 18418.9/39$

Out: -46.486 ± 0.137 $\chi^2/\text{NDF}: 20702.1/42$

All: -46.301 ± 0.097 $\chi^2/\text{NDF}: 39124.6/82$

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: 37.132 $\pm$ 0.124 χ^2 /NDF:3021.5/23

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: 37.103 $\pm$ 0.088 χ^2 /NDF: 5418.9/46

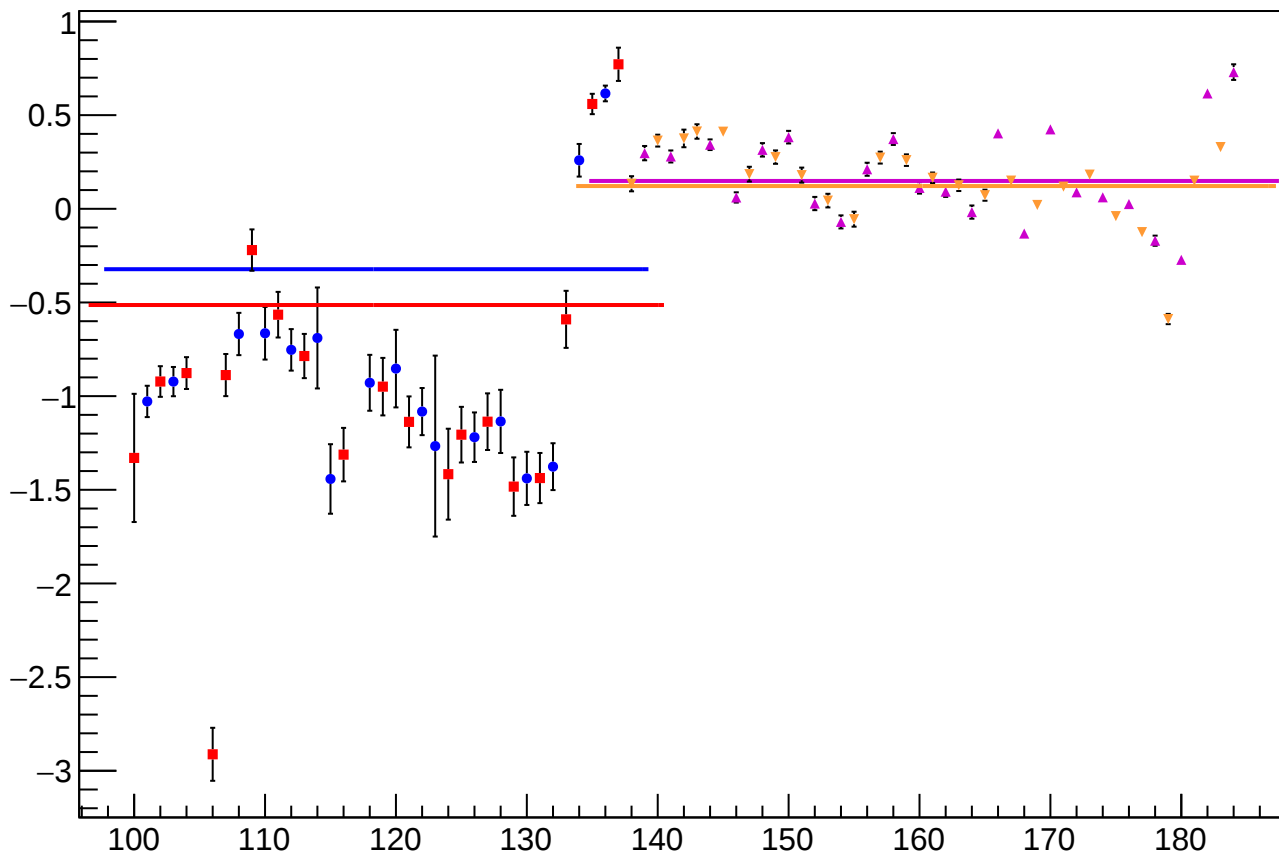
Right: 27.840 $\pm$ 0.332 χ^2 /NDF: 6344.0/35

In: 36.467 $\pm$ 0.121 χ^2 /NDF:6049.8/39

Out: 36.519 $\pm$ 0.120 χ^2 /NDF:6438.8/42

All: 36.493 $\pm$ 0.085 χ^2 /NDF: 12488.7/82

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: 0.121 ± 0.006 χ^2/NDF : 1330.4/23

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: 0.135 ± 0.004 χ^2/NDF : 3145.3/46

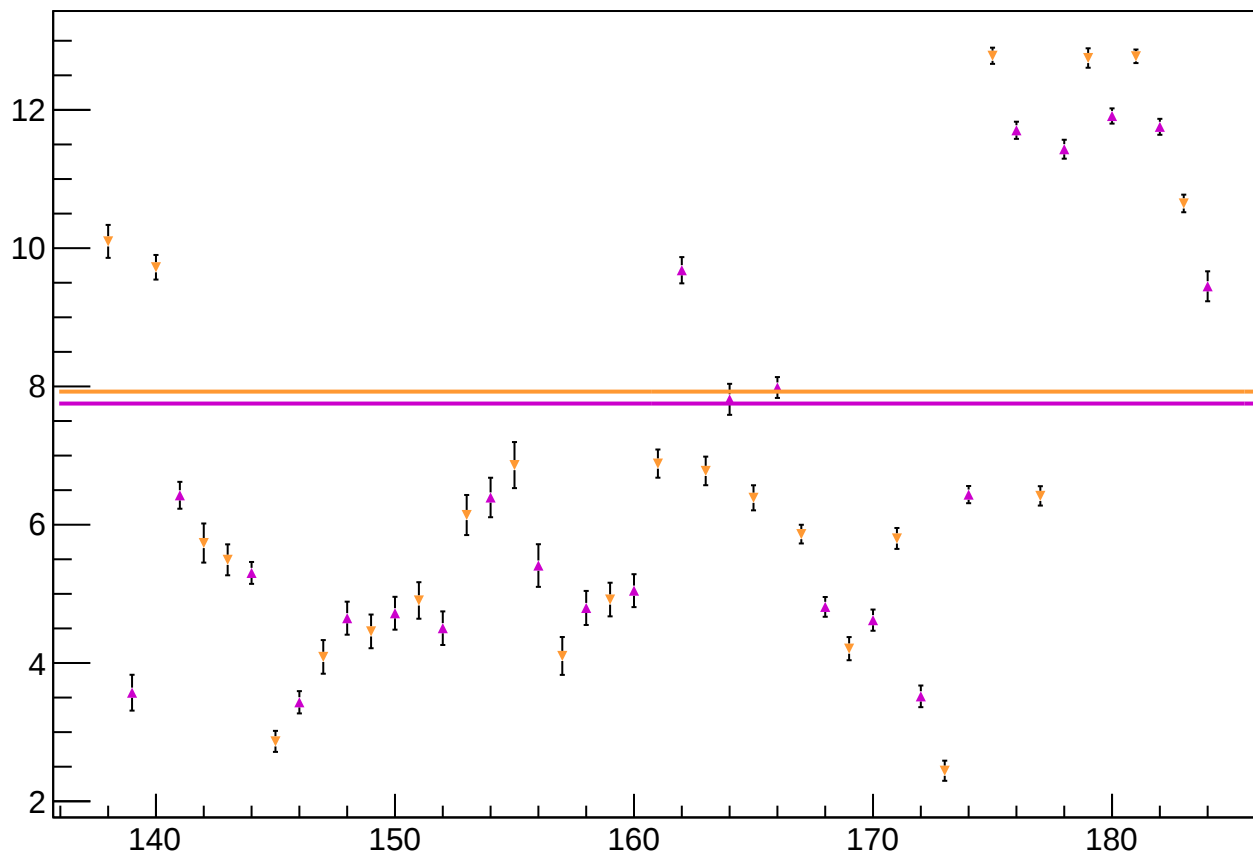
Right: -0.415 ± 0.018 χ^2/NDF : 2197.7/35

In: 0.125 ± 0.006 χ^2/NDF : 3151.7/39

Out: 0.092 ± 0.006 χ^2/NDF : 3068.0/42

All: 0.108 ± 0.004 χ^2/NDF : 6237.6/82

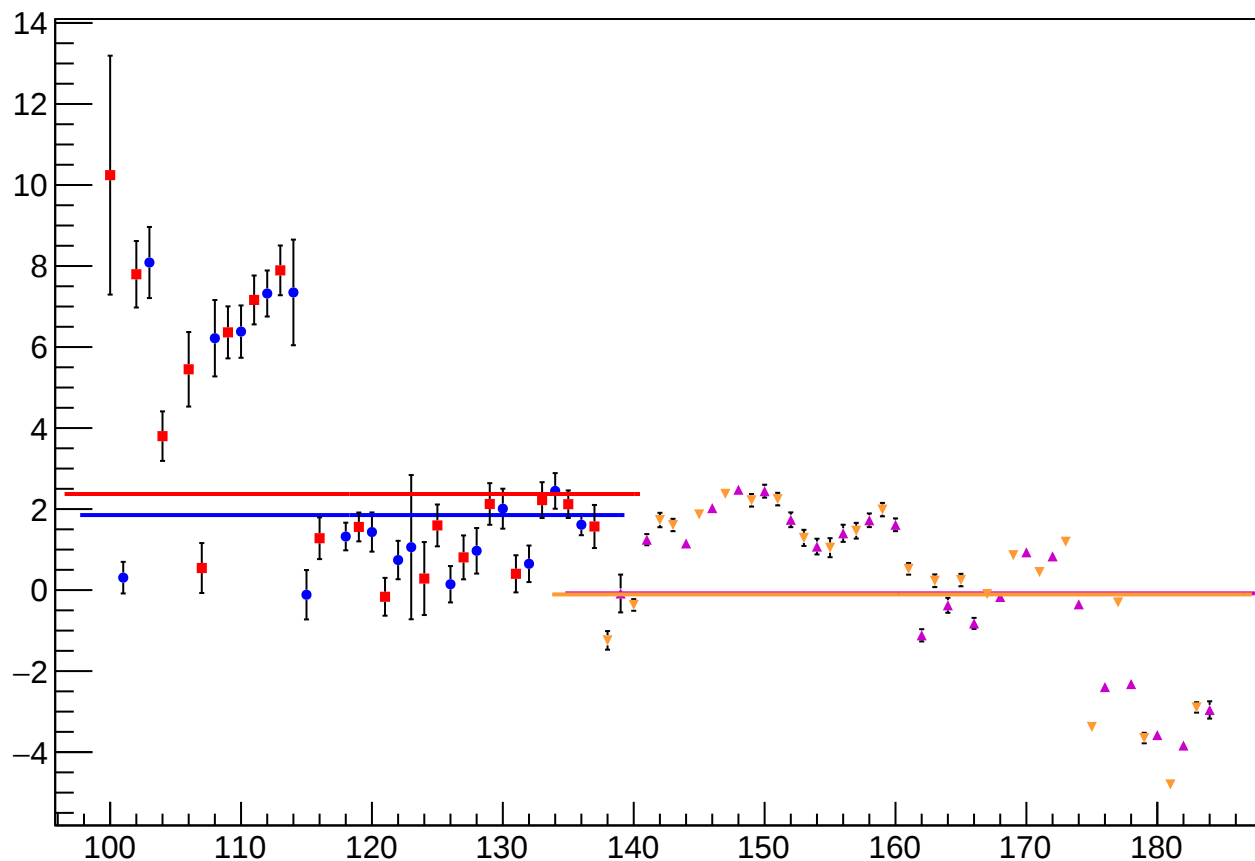
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 7.925 $\pm$ 0.035 χ^2/NDF :10835.7/23
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 7.753 $\pm$ 0.035 χ^2/NDF :8345.2/22

Left: 7.839 $\pm$ 0.025 χ^2/NDF : 19193.1/46
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 7.753 $\pm$ 0.035 χ^2/NDF :8345.2/22
 Out: 7.925 $\pm$ 0.035 χ^2/NDF :10835.7/23
 All: 7.839 $\pm$ 0.025 χ^2/NDF : 19193.1/46

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: -0.107 ± 0.028 χ^2/NDF : 5938.3/23

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: -0.094 ± 0.020 χ^2/NDF : 10918.2/46

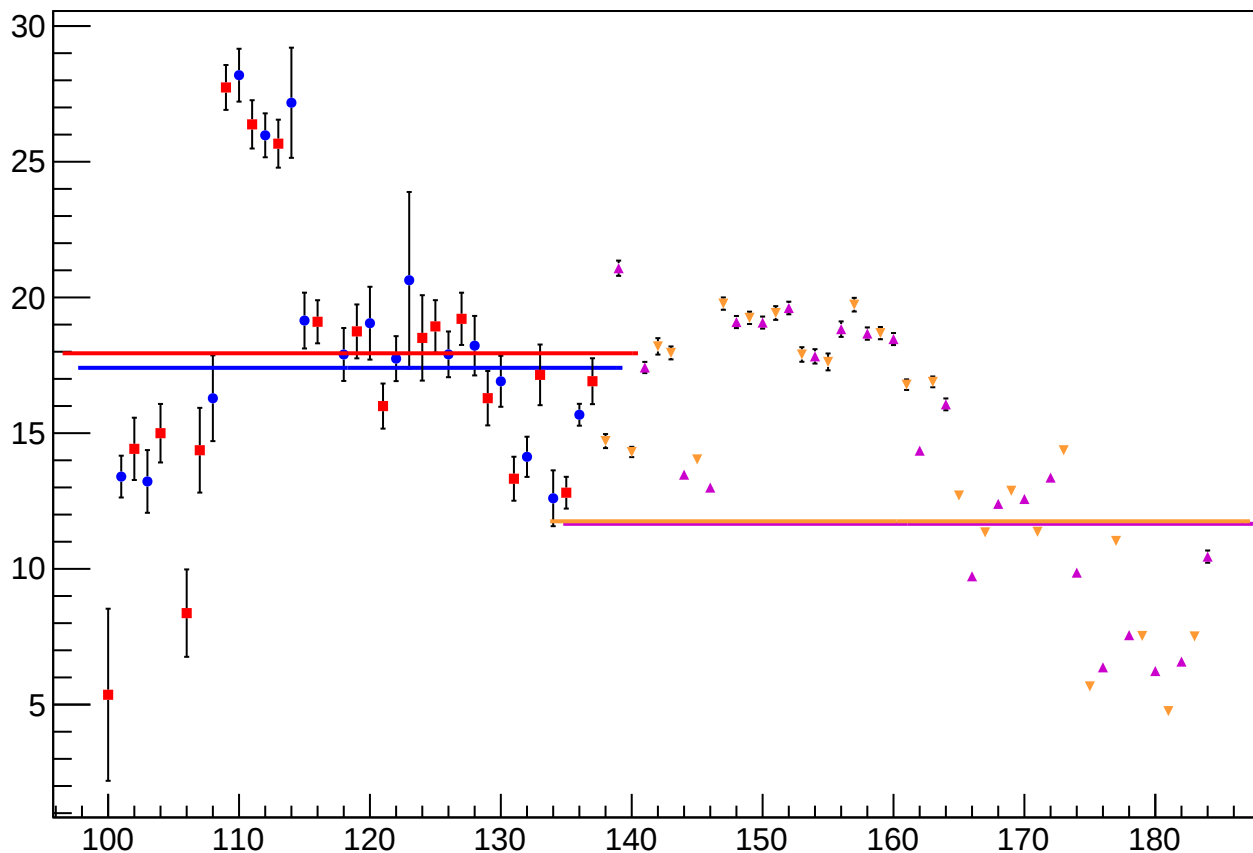
Right: 2.100 ± 0.085 χ^2/NDF : 638.2/35

In: 0.026 ± 0.027 χ^2/NDF : 5529.2/39

Out: 0.017 ± 0.027 χ^2/NDF : 6661.5/42

All: 0.021 ± 0.019 χ^2/NDF : 12190.7/82

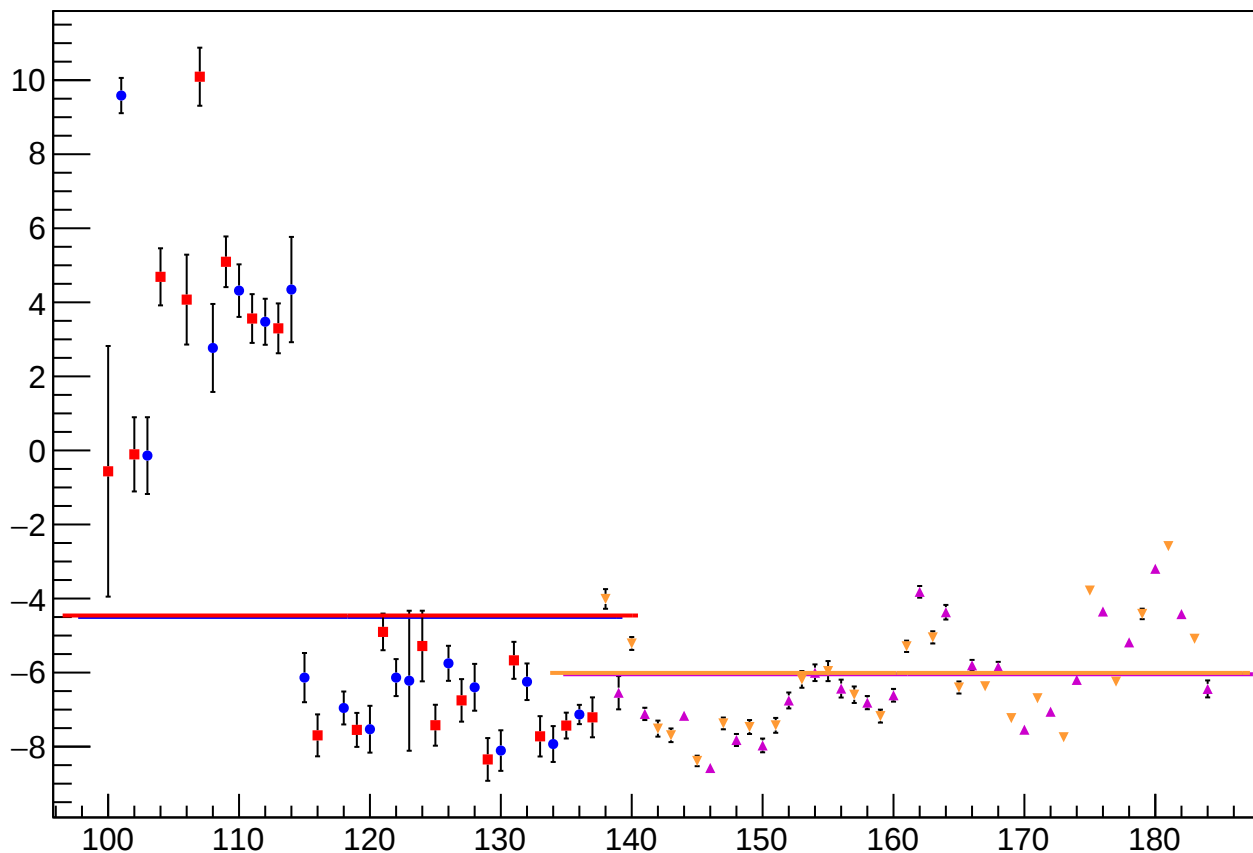
reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.407 ± 0.213 $\chi^2/\text{NDF} = 365.3/16$
 Left Out: 11.753 ± 0.035 $\chi^2/\text{NDF} = 18807.6/23$
 Right Out: 17.943 ± 0.219 $\chi^2/\text{NDF} = 505.3/18$
 Left In: 11.660 ± 0.035 $\chi^2/\text{NDF} = 16710.2/22$

Left: 11.707 ± 0.025 $\chi^2/\text{NDF} = 35521.4/46$
 Right: 17.667 ± 0.153 $\chi^2/\text{NDF} = 873.7/35$
 In: 11.813 ± 0.035 $\chi^2/\text{NDF} = 17785.1/39$
 Out: 11.908 ± 0.035 $\chi^2/\text{NDF} = 20088.5/42$
 All: 11.860 ± 0.025 $\chi^2/\text{NDF} = 37877.4/82$

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: -6.009 ± 0.032 χ^2/NDF : 2523.8/23

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: -6.027 ± 0.022 χ^2/NDF : 4818.2/46

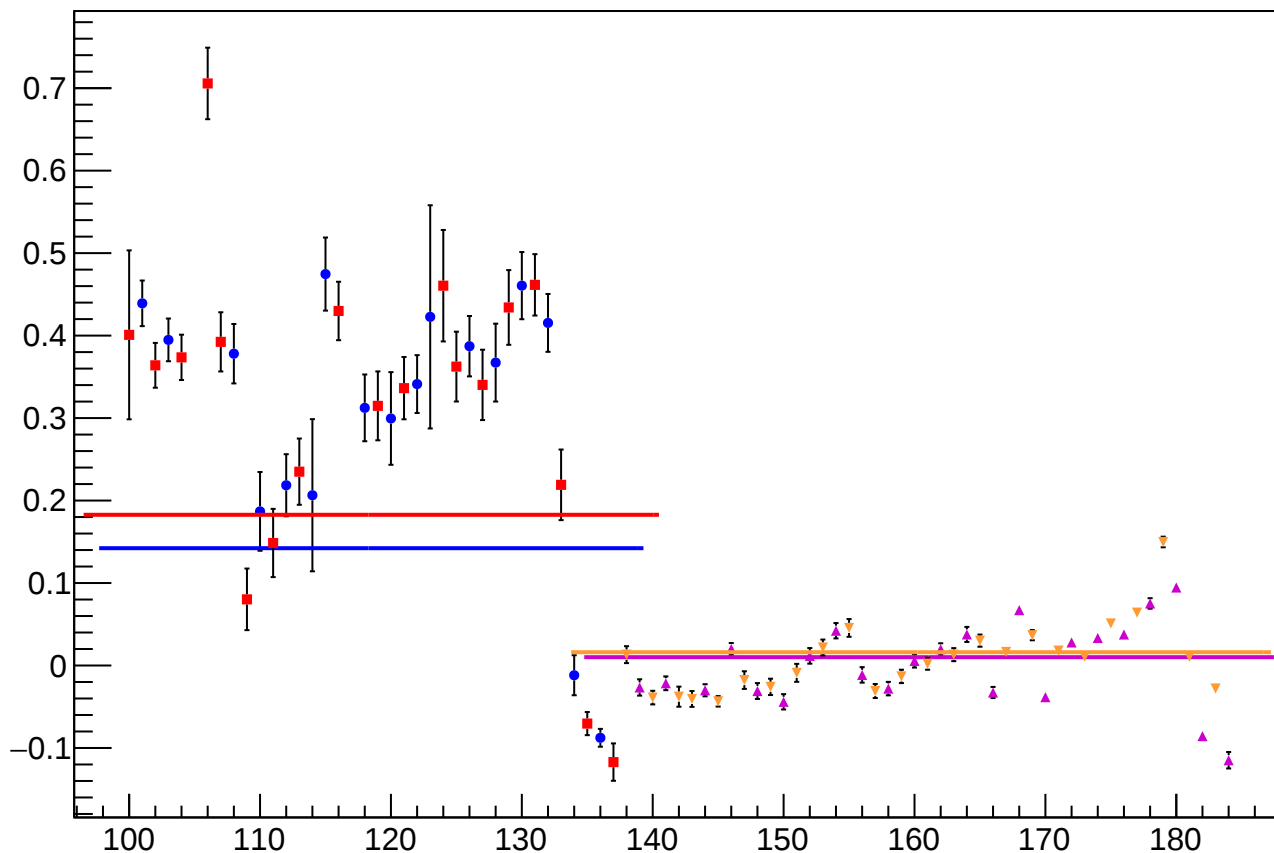
Right: -4.478 ± 0.095 χ^2/NDF : 2923.4/35

In: -5.959 ± 0.031 χ^2/NDF : 4009.3/39

Out: -5.931 ± 0.031 χ^2/NDF : 3985.6/42

All: -5.945 ± 0.022 χ^2/NDF : 7995.3/82

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: 0.016 $\pm$ 0.001 χ^2 /NDF:895.8/23

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: 0.013 $\pm$ 0.001 χ^2 /NDF: 2120.5/46

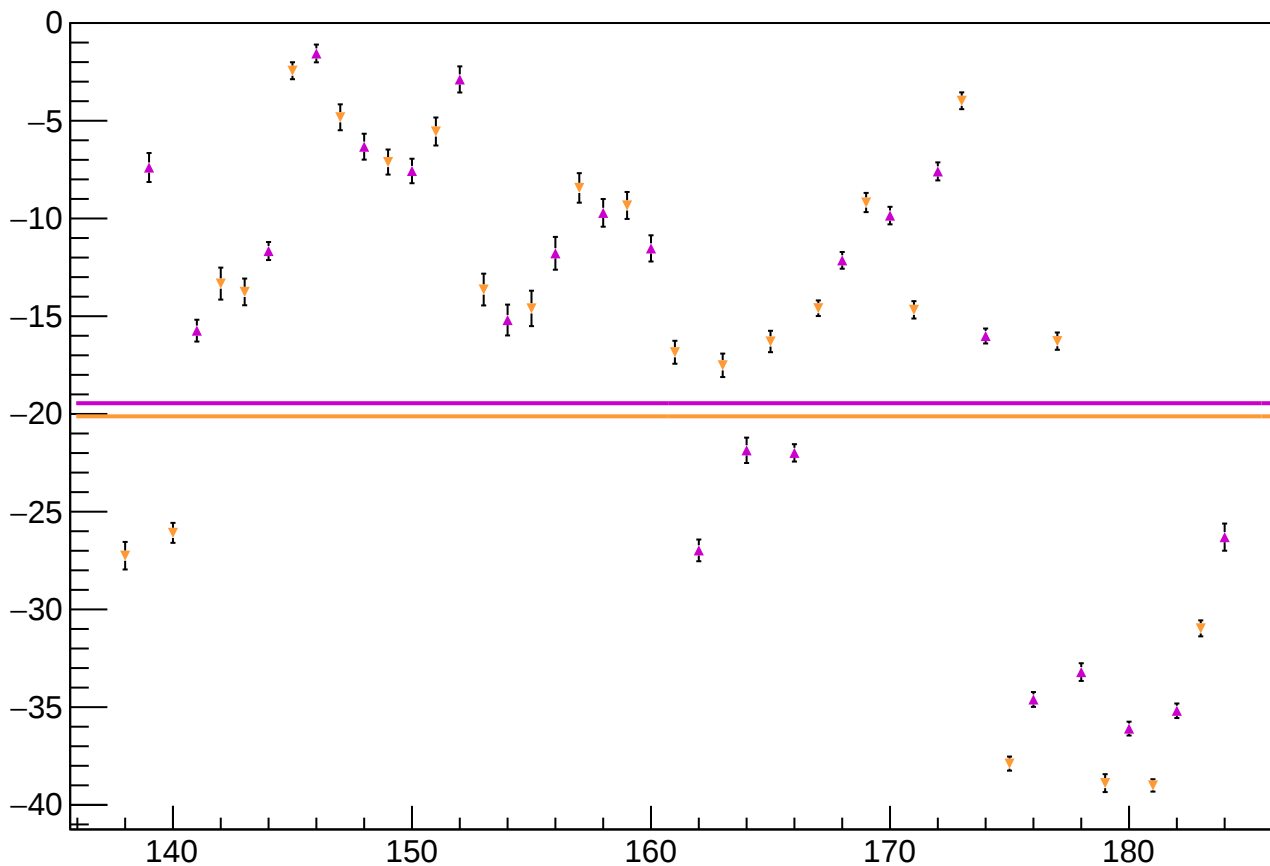
Right: 0.162 $\pm$ 0.005 χ^2 /NDF: 2072.4/35

In: 0.015 $\pm$ 0.001 χ^2 /NDF:2608.6/39

Out: 0.022 $\pm$ 0.001 χ^2 /NDF:2381.2/42

All: 0.019 $\pm$ 0.001 χ^2 /NDF: 5001.3/82

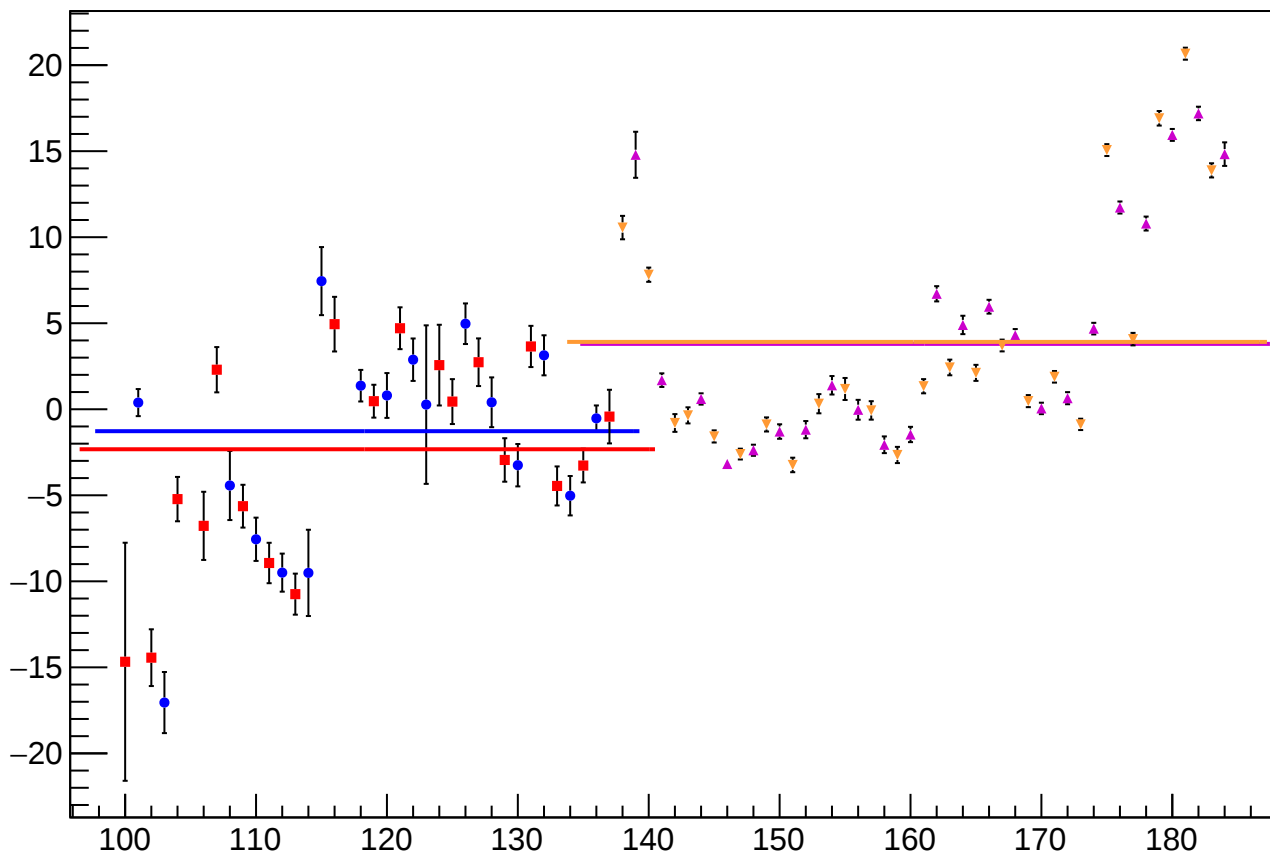
reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -20.122+/-0.105 χ^2/NDF :14777.9/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -19.450+/-0.105 χ^2/NDF :12283.1/22

Left: -19.788+/-0.074 χ^2/NDF : 27081.6/46
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -19.450+/-0.105 χ^2/NDF :12283.1/22
 Out: -20.122+/-0.105 χ^2/NDF :14777.9/23
 All: -19.788+/-0.074 χ^2/NDF : 27081.6/46

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: 3.915 $\pm$ 0.083 χ^2 /NDF: 7026.2/23

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: 3.857 $\pm$ 0.059 χ^2 /NDF: 12544.2/46

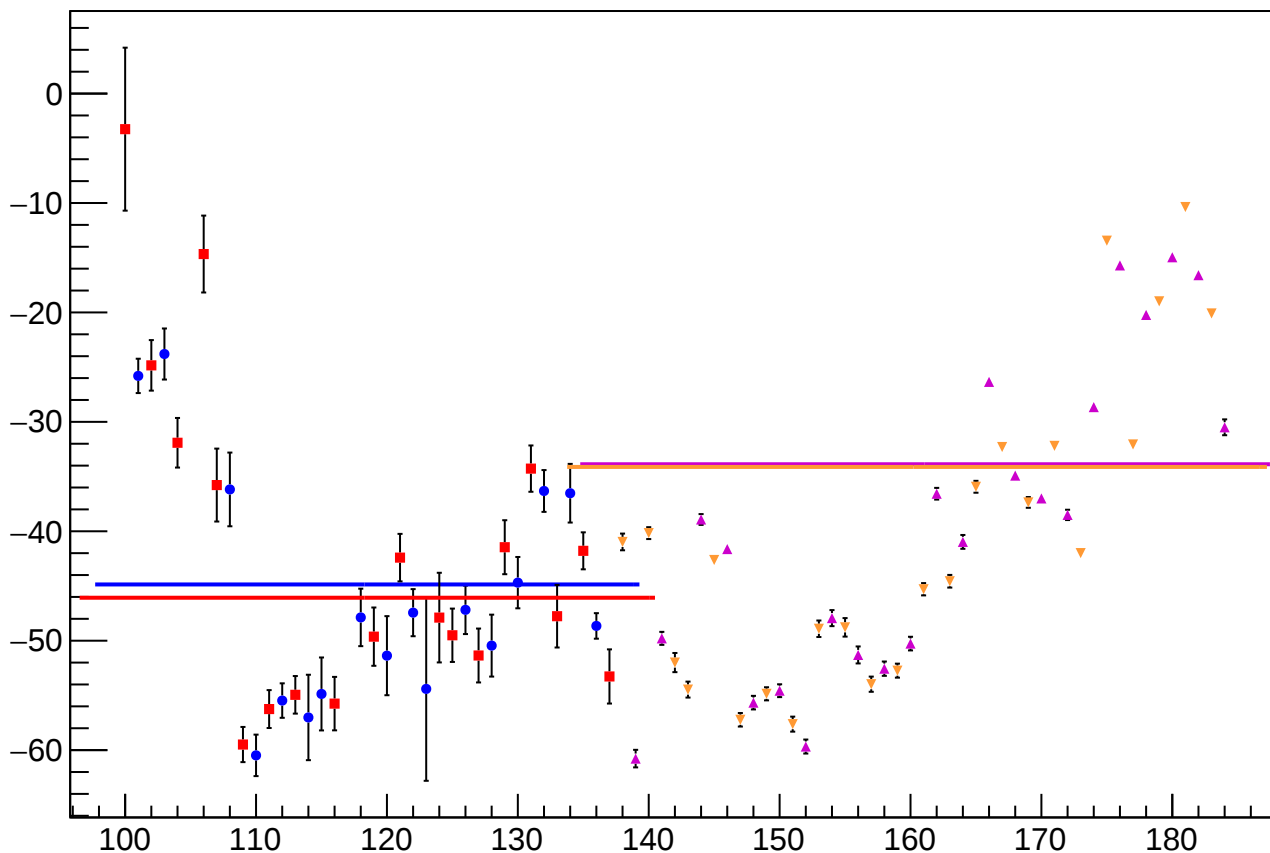
Right: -1.782 $\pm$ 0.210 χ^2 /NDF: 567.2/35

In: 3.417 $\pm$ 0.080 χ^2 /NDF: 6071.0/39

Out: 3.479 $\pm$ 0.080 χ^2 /NDF: 7705.7/42

All: 3.448 $\pm$ 0.057 χ^2 /NDF: 13777.1/82

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.859 $\pm$ 0.525 χ^2 /NDF: 420.2/16

Left Out: -34.119 $\pm$ 0.105 χ^2 /NDF:19689.4/23

Right Out: -46.073 $\pm$ 0.529 χ^2 /NDF: 453.9/18

Left In: -33.875 $\pm$ 0.105 χ^2 /NDF:17638.7/22

Left: -33.997 $\pm$ 0.074 χ^2 /NDF: 37330.9/46

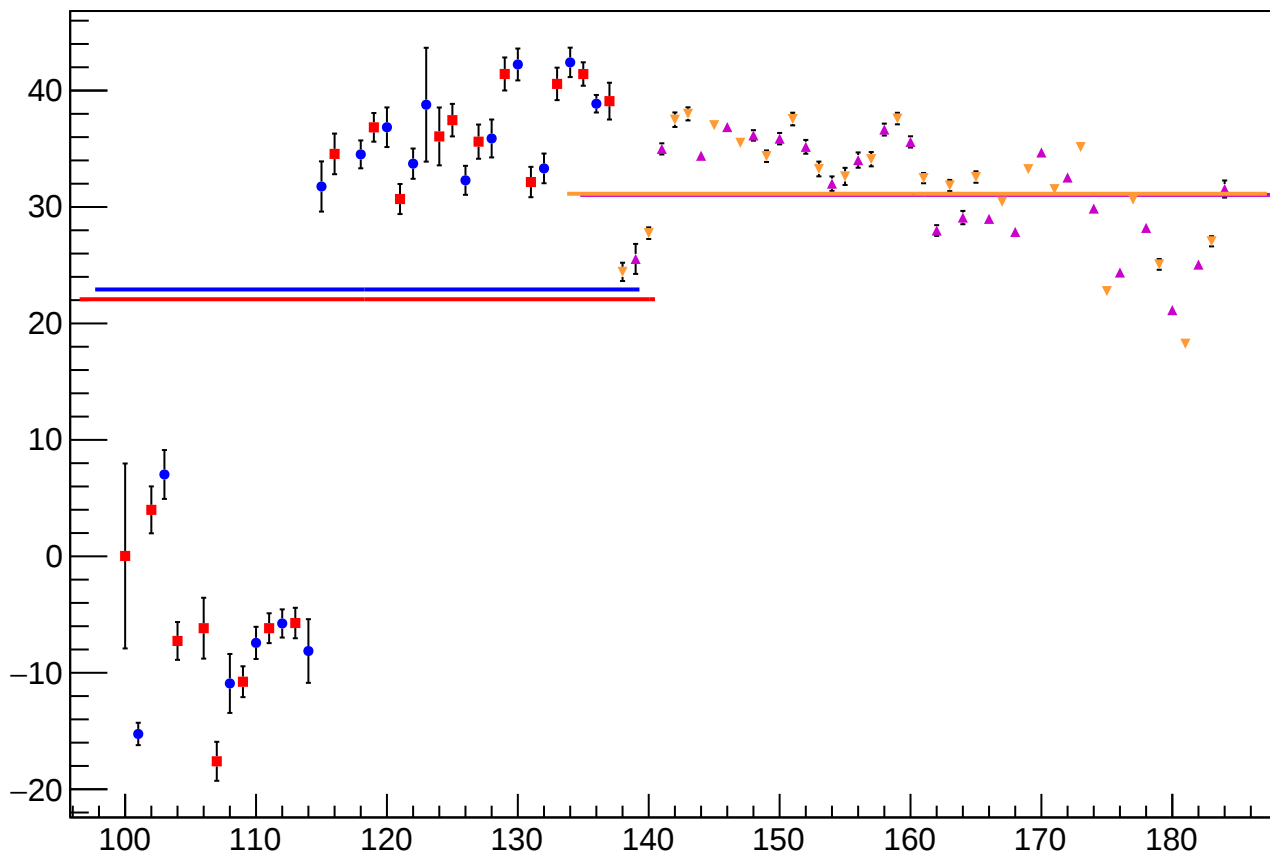
Right: -45.461 $\pm$ 0.373 χ^2 /NDF: 876.7/35

In: -34.299 $\pm$ 0.103 χ^2 /NDF:18479.5/39

Out: -34.574 $\pm$ 0.103 χ^2 /NDF:20633.7/42

All: -34.436 $\pm$ 0.073 χ^2 /NDF: 39116.7/82

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: 31.138 $\pm$ 0.094 χ^2 /NDF:3225.1/23

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: 31.089 $\pm$ 0.066 χ^2 /NDF: 5705.7/46

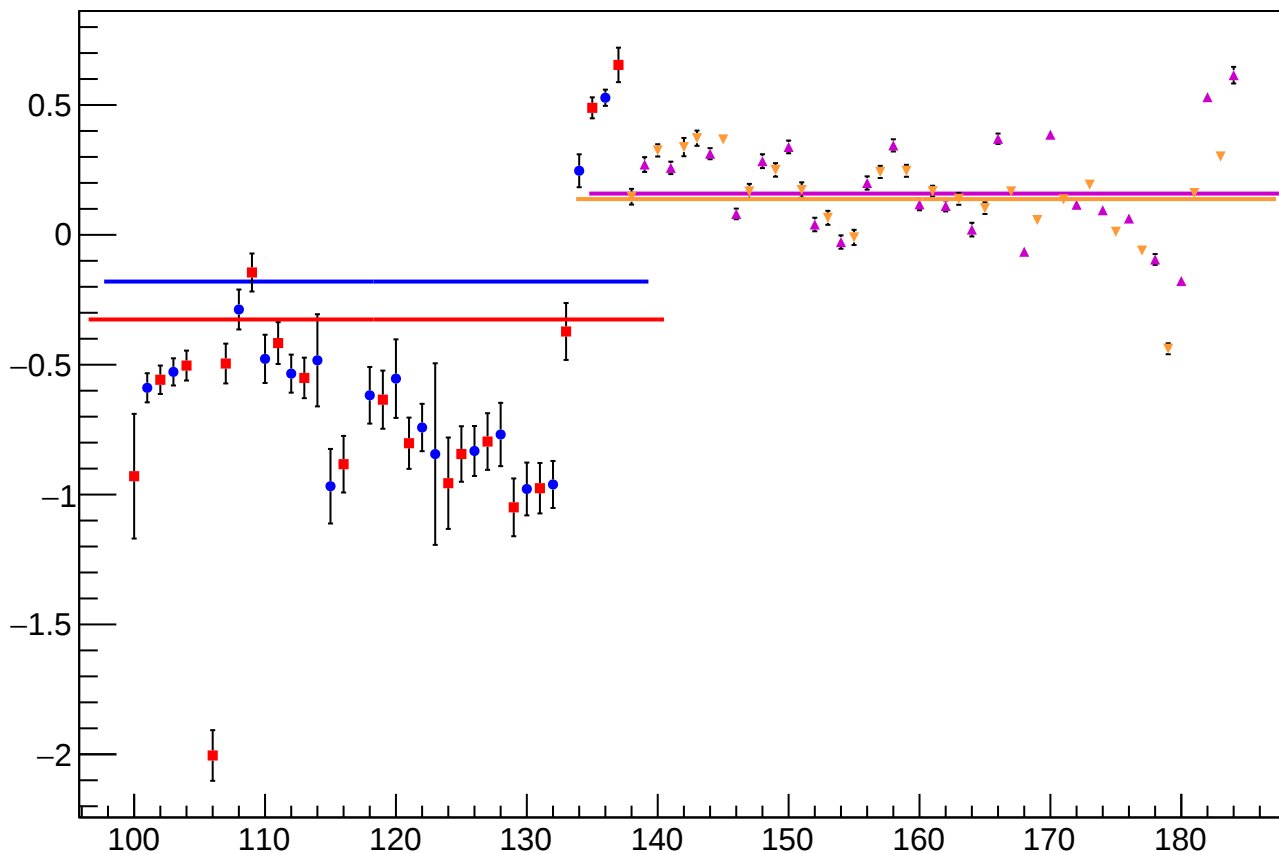
Right: 22.513 $\pm$ 0.236 χ^2 /NDF: 8350.2/35

In: 30.422 $\pm$ 0.091 χ^2 /NDF:7361.6/39

Out: 30.503 $\pm$ 0.090 χ^2 /NDF:7913.2/42

All: 30.463 $\pm$ 0.064 χ^2 /NDF: 15275.2/82

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 $\chi^2/\text{NDF}: 995.2/16$

Left Out: 0.138 ± 0.004 $\chi^2/\text{NDF}: 1472.4/23$

Right Out: -0.326 ± 0.018 $\chi^2/\text{NDF}: 1174.1/18$

Left In: 0.159 ± 0.004 $\chi^2/\text{NDF}: 2009.8/22$

Left: 0.148 ± 0.003 $\chi^2/\text{NDF}: 3494.2/46$

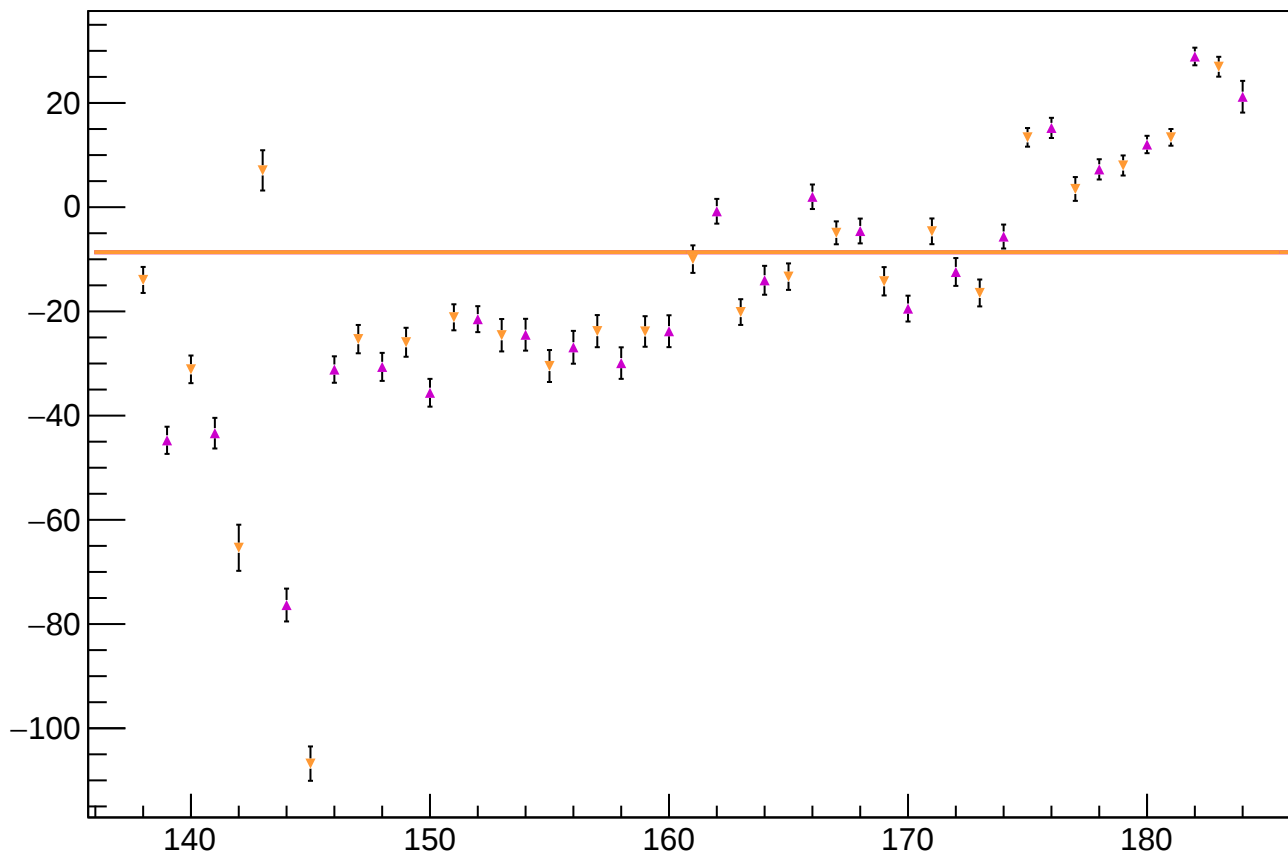
Right: -0.251 ± 0.013 $\chi^2/\text{NDF}: 2202.1/35$

In: 0.140 ± 0.004 $\chi^2/\text{NDF}: 3347.6/39$

Out: 0.113 ± 0.004 $\chi^2/\text{NDF}: 3259.8/42$

All: 0.127 ± 0.003 $\chi^2/\text{NDF}: 6627.8/82$

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



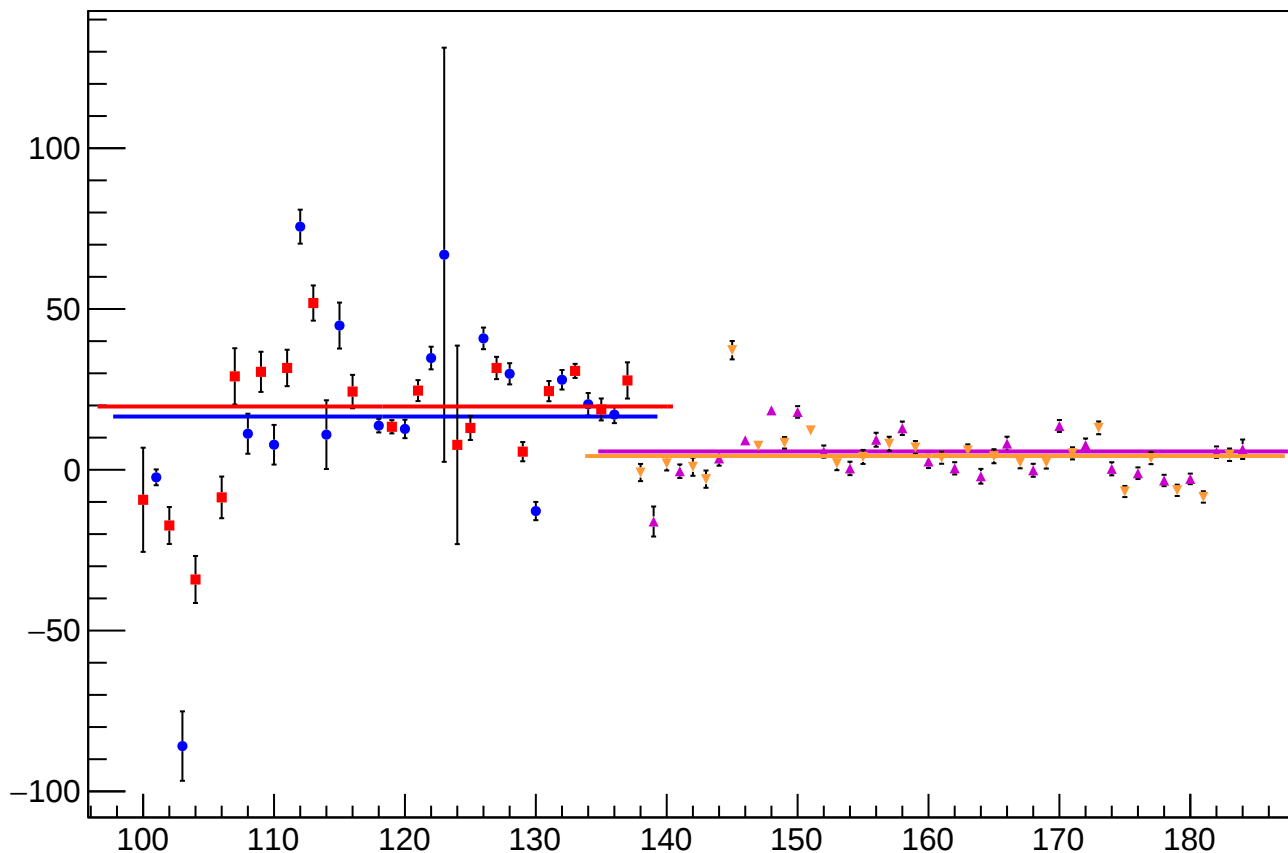
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.634+/-0.505 χ^2/NDF : 2209.3/23
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.652+/-0.507 χ^2/NDF : 2223.8/22

Left: -8.643+/-0.358 χ^2/NDF : 4433.1/46
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.652+/-0.507 χ^2/NDF : 2223.8/22
 Out: -8.634+/-0.505 χ^2/NDF : 2209.3/23

All: -8.643+/-0.358 χ^2/NDF : 4433.1/46

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: 4.273 $\pm$ 0.396 χ^2 /NDF: 346.0/23

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: 4.973 $\pm$ 0.283 χ^2 /NDF: 676.5/46

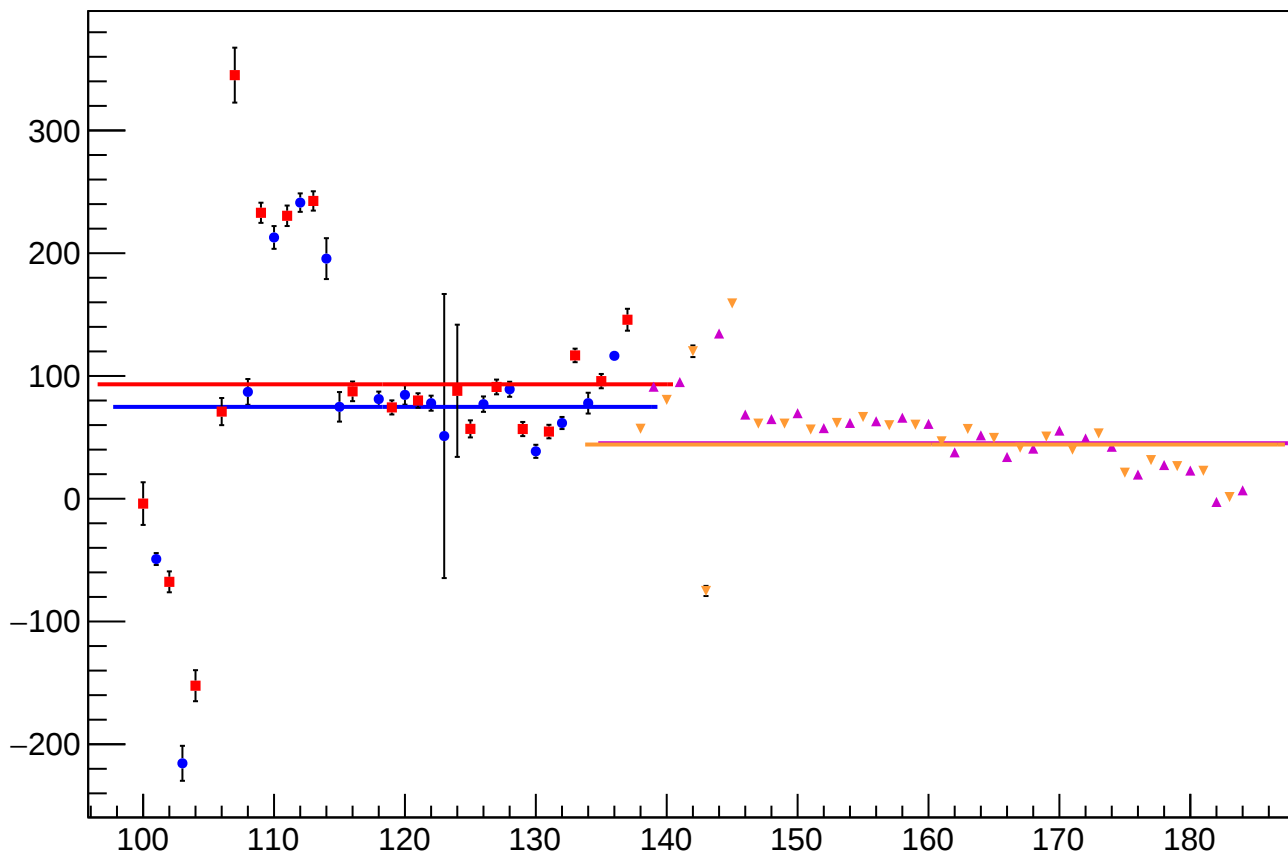
Right: 18.051 $\pm$ 0.621 χ^2 /NDF: 761.8/35

In: 7.669 $\pm$ 0.366 χ^2 /NDF: 969.5/39

Out: 6.776 $\pm$ 0.362 χ^2 /NDF: 833.2/42

All: 7.218 $\pm$ 0.257 χ^2 /NDF: 1805.7/82

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 74.816 $\pm$ 1.649 χ^2 /NDF: 1994.3/16

Left Out: 44.161 $\pm$ 0.503 χ^2 /NDF: 3655.2/23

Right Out: 93.209 $\pm$ 1.715 χ^2 /NDF: 2001.2/18

Left In: 45.211 $\pm$ 0.504 χ^2 /NDF: 3048.5/22

Left: 44.685 $\pm$ 0.356 χ^2 /NDF: 6705.9/46

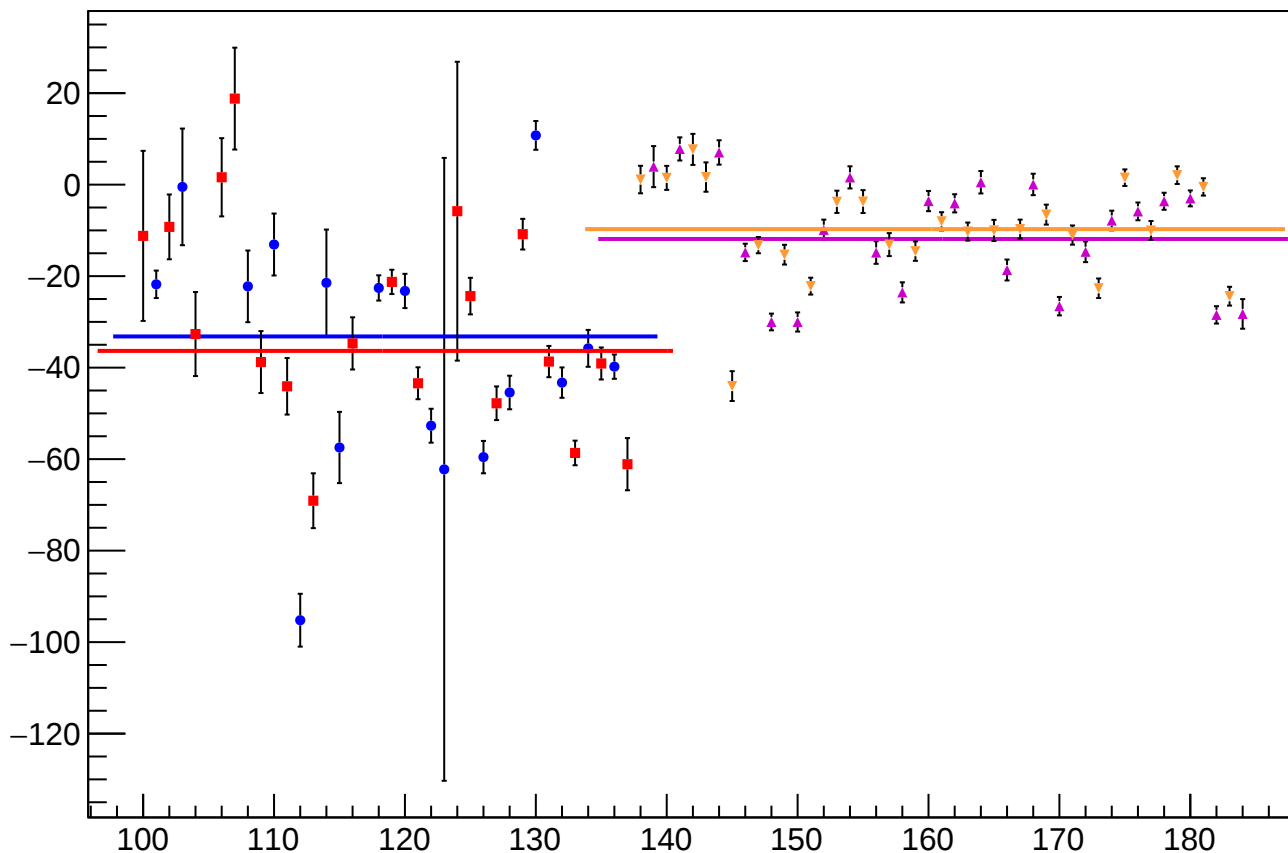
Right: 83.653 $\pm$ 1.189 χ^2 /NDF: 4055.2/35

In: 47.742 $\pm$ 0.482 χ^2 /NDF: 5337.4/39

Out: 48.046 $\pm$ 0.483 χ^2 /NDF: 6409.4/42

All: 47.894 $\pm$ 0.341 χ^2 /NDF: 11747.0/82

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.182 ± 0.984 χ^2/NDF : 485.4/16

Left Out: -9.720 ± 0.448 χ^2/NDF : 446.2/23

Right Out: -36.341 ± 1.026 χ^2/NDF : 295.1/18

Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

Left: -10.780 ± 0.320 χ^2/NDF : 1123.8/46

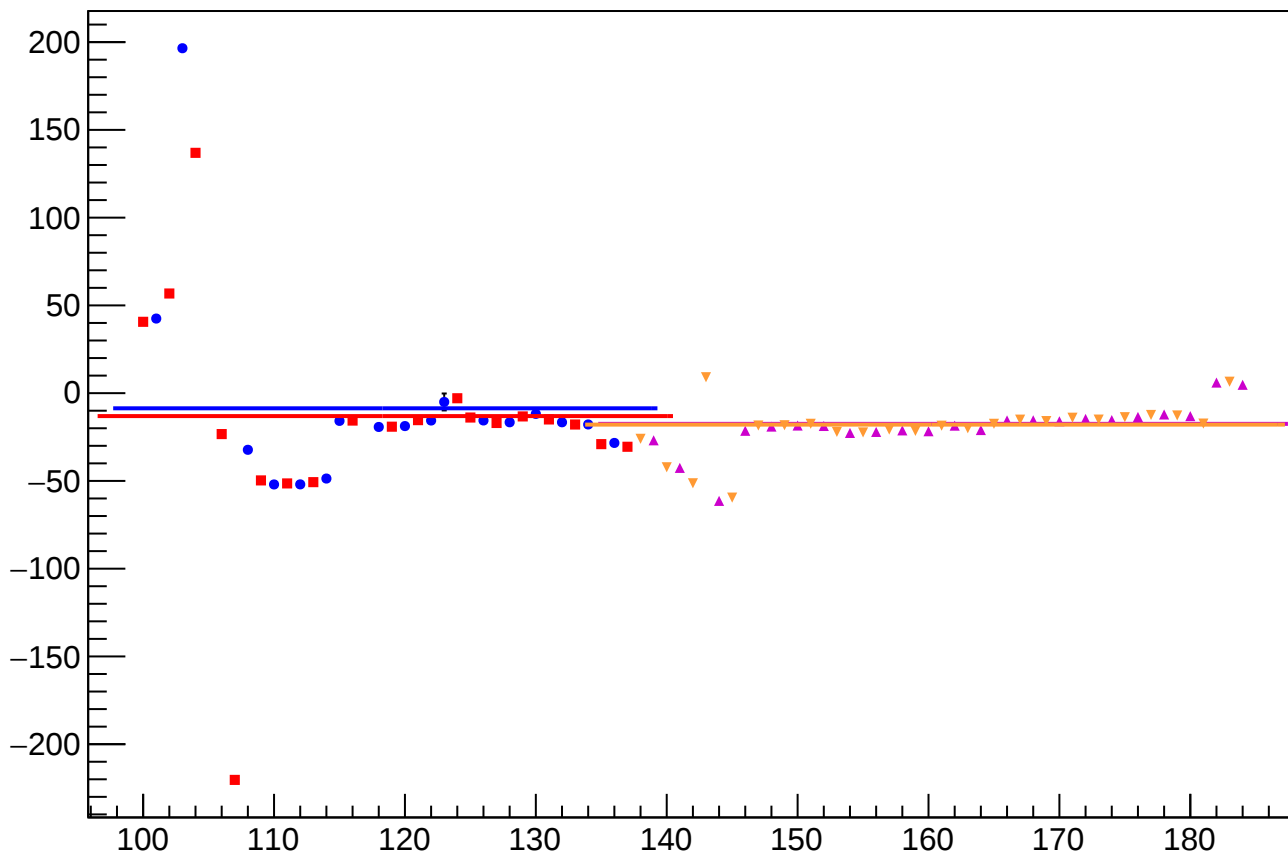
Right: -34.695 ± 0.710 χ^2/NDF : 785.4/35

In: -15.646 ± 0.414 χ^2/NDF : 1537.8/39

Out: -13.988 ± 0.411 χ^2/NDF : 1306.4/42

All: -14.811 ± 0.292 χ^2/NDF : 2852.2/82

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.630 ± 0.059 $\chi^2/\text{NDF}: 575559.8/16$

Left Out: -17.919 ± 0.021 $\chi^2/\text{NDF}: 290509.1/23$

Right Out: -13.064 ± 0.062 $\chi^2/\text{NDF}: 558310.5/18$

Left In: -17.491 ± 0.021 $\chi^2/\text{NDF}: 259215.8/22$

Left: -17.705 ± 0.015 $\chi^2/\text{NDF}: 549940.2/46$

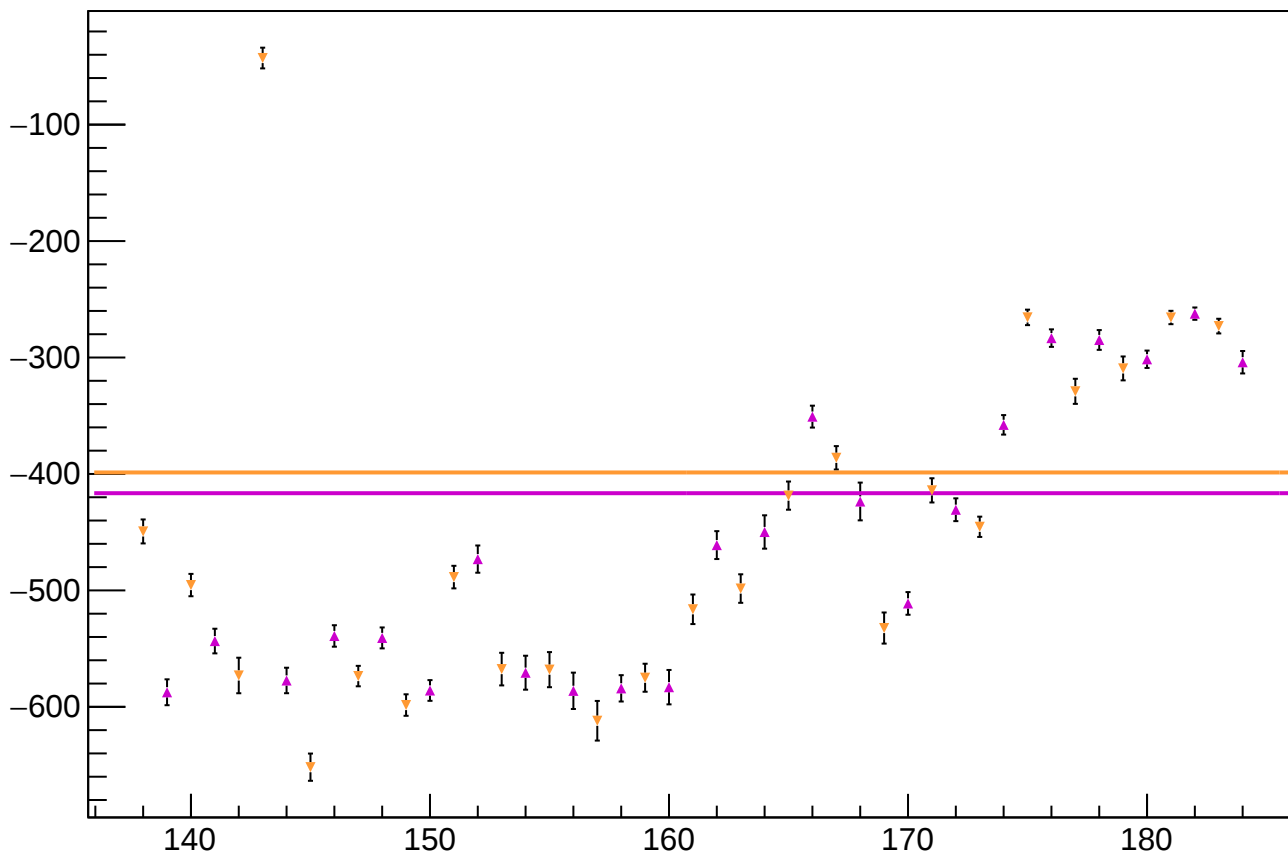
Right: -10.746 ± 0.043 $\chi^2/\text{NDF}: 1136551.9/35$

In: -16.526 ± 0.020 $\chi^2/\text{NDF}: 854775.8/39$

Out: -17.434 ± 0.020 $\chi^2/\text{NDF}: 854352.6/42$

All: -16.978 ± 0.014 $\chi^2/\text{NDF}: 1710206.8/82$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -398.713 ± 1.986 $\chi^2/\text{NDF}: 5659.1/23$

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

Left In: -416.521 ± 2.005 $\chi^2/\text{NDF}: 3917.0/22$

Left: -407.532 ± 1.411 $\chi^2/\text{NDF}: 9616.0/46$

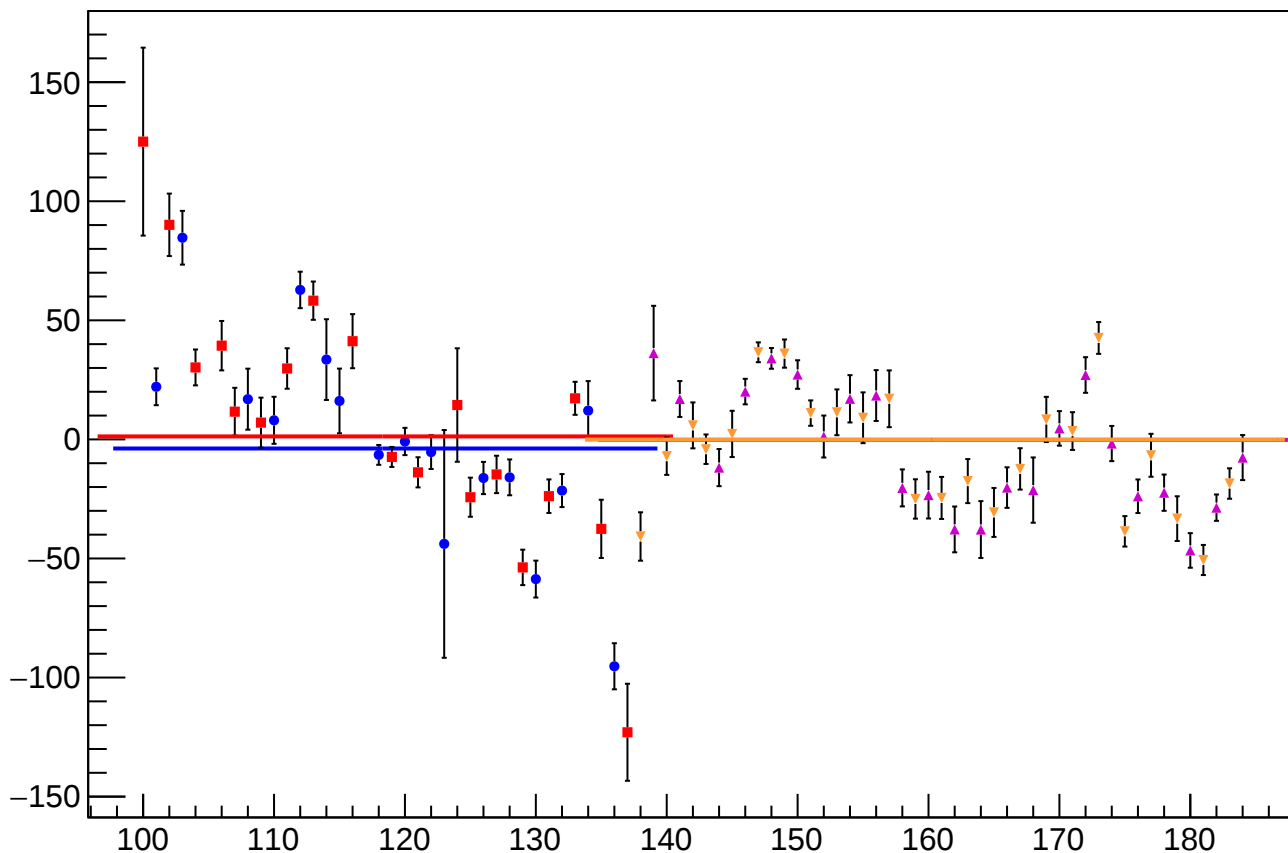
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -416.521 ± 2.005 $\chi^2/\text{NDF}: 3917.0/22$

Out: -398.713 ± 1.986 $\chi^2/\text{NDF}: 5659.1/23$

All: -407.532 ± 1.411 $\chi^2/\text{NDF}: 9616.0/46$

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.821 ± 1.927 χ^2/NDF : 314.4/16

Left Out: -0.081 ± 1.524 χ^2/NDF : 335.7/23

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: -0.140 ± 1.095 χ^2/NDF : 596.5/46

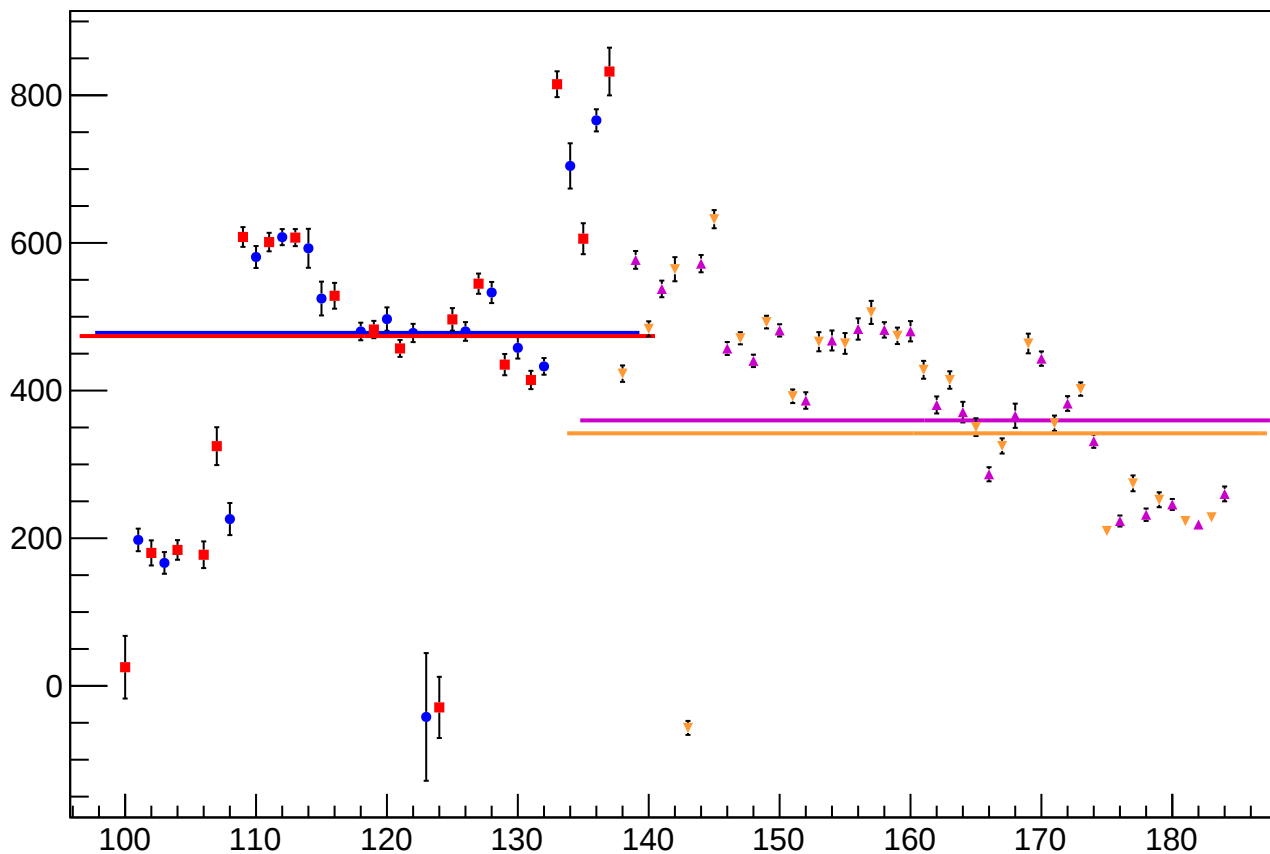
Right: -1.271 ± 1.359 χ^2/NDF : 621.2/35

In: -1.652 ± 1.219 χ^2/NDF : 577.3/39

Out: 0.436 ± 1.193 χ^2/NDF : 639.3/42

All: -0.585 ± 0.853 χ^2/NDF : 1218.1/82

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.121+/-3.670 χ^2/NDF : 1627.6/16

Left Out: 342.120+/-1.992 χ^2/NDF : 5180.3/23

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: 350.818+/-1.412 χ^2/NDF : 8617.1/46

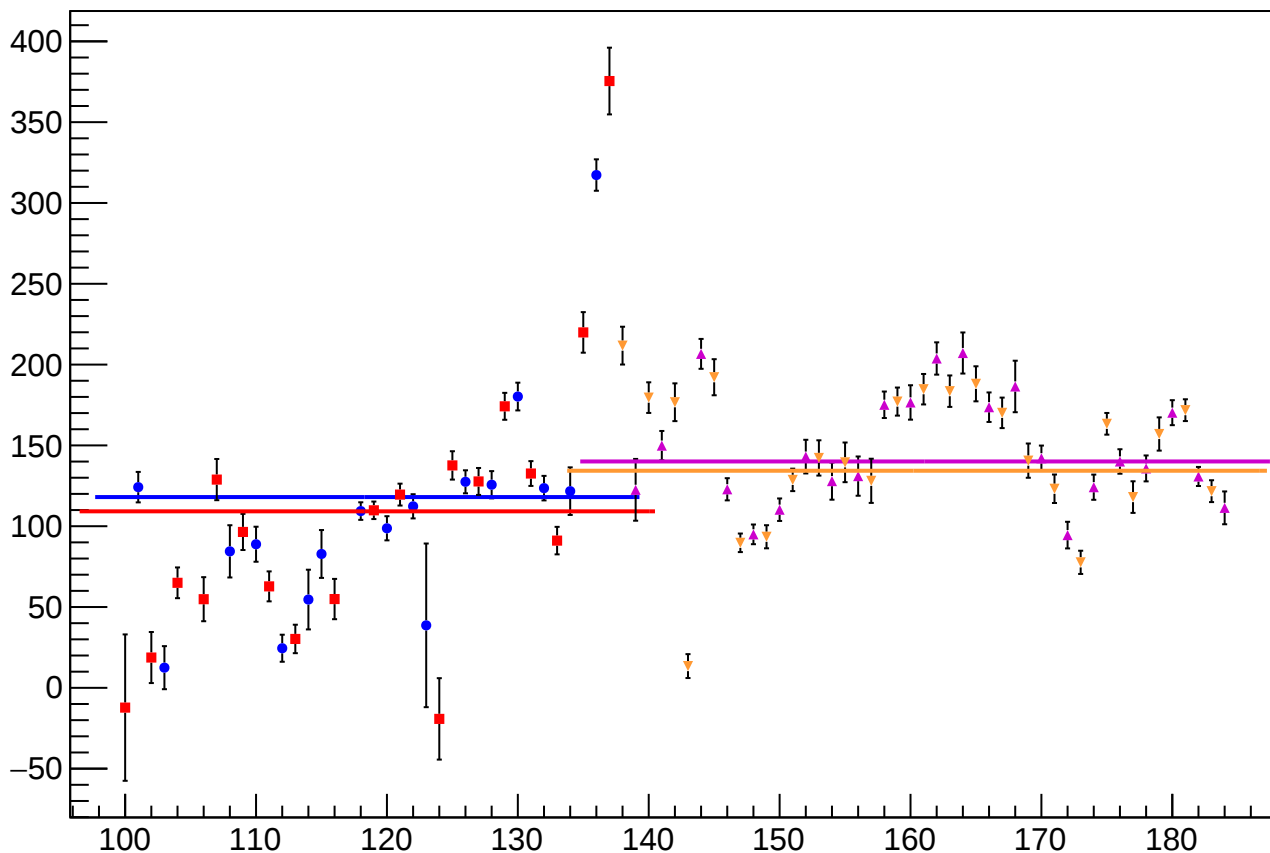
Right: 475.905+/-2.547 χ^2/NDF : 3913.8/35

In: 386.796+/-1.758 χ^2/NDF : 5829.4/39

Out: 373.828+/-1.736 χ^2/NDF : 8518.5/42

All: 380.229+/-1.235 χ^2/NDF : 14375.5/82

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.036 ± 2.231 $\chi^2/\text{NDF}: 705.1/16$

Left Out: 134.320 ± 1.754 $\chi^2/\text{NDF}: 710.8/23$

Right Out: 109.208 ± 2.209 $\chi^2/\text{NDF}: 568.1/18$

Left In: 140.069 ± 1.795 $\chi^2/\text{NDF}: 316.5/22$

Left: 137.128 ± 1.255 $\chi^2/\text{NDF}: 1032.5/46$

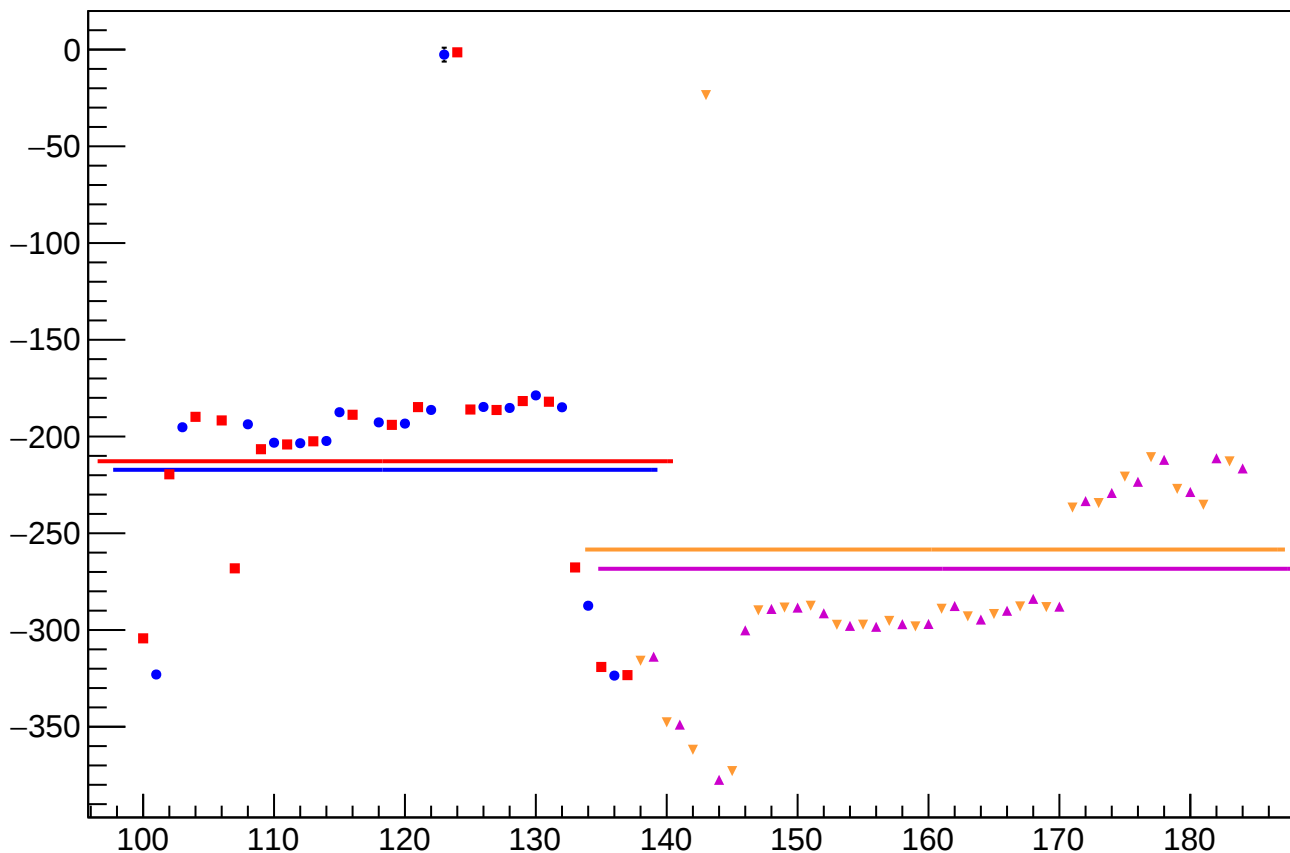
Right: 113.580 ± 1.570 $\chi^2/\text{NDF}: 1281.1/35$

In: 131.408 ± 1.398 $\chi^2/\text{NDF}: 1080.8/39$

Out: 124.612 ± 1.374 $\chi^2/\text{NDF}: 1358.2/42$

All: 127.949 ± 0.980 $\chi^2/\text{NDF}: 2451.0/82$

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.198+/-0.137 χ^2/NDF : 146444.6/16

Left Out: -258.403+/-0.084 χ^2/NDF : 656772.4/23

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: -263.373+/-0.059 χ^2/NDF : 926337.5/46

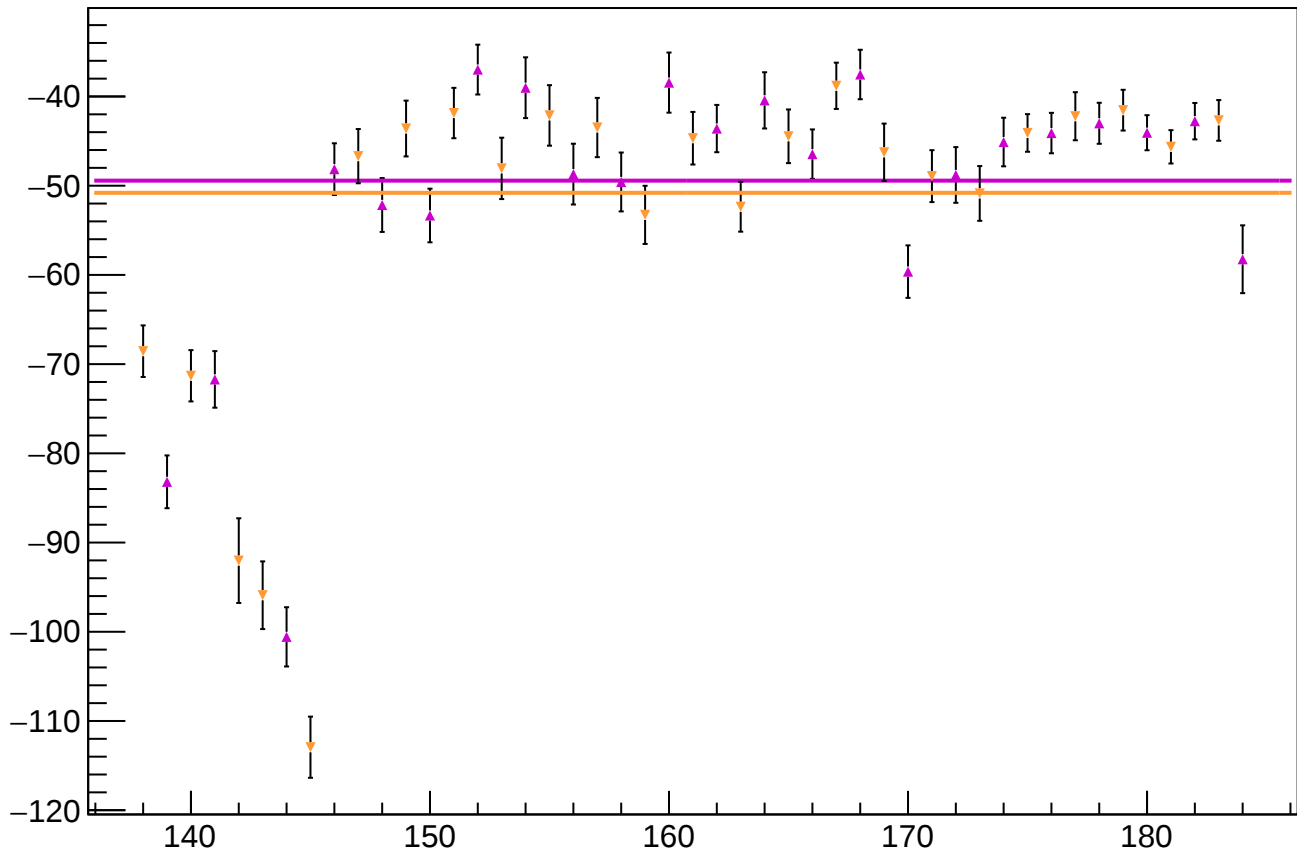
Right: -214.879+/-0.094 χ^2/NDF : 262500.7/35

In: -254.437+/-0.071 χ^2/NDF : 510723.9/39

Out: -245.118+/-0.070 χ^2/NDF : 859143.0/42

All: -249.711+/-0.050 χ^2/NDF : 1378519.4/82

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -50.796+/-0.579 χ^2/NDF :753.7/23

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

Left In: -49.432+/-0.584 χ^2/NDF :543.4/22

Left: -50.120+/-0.411 χ^2/NDF : 1299.9/46

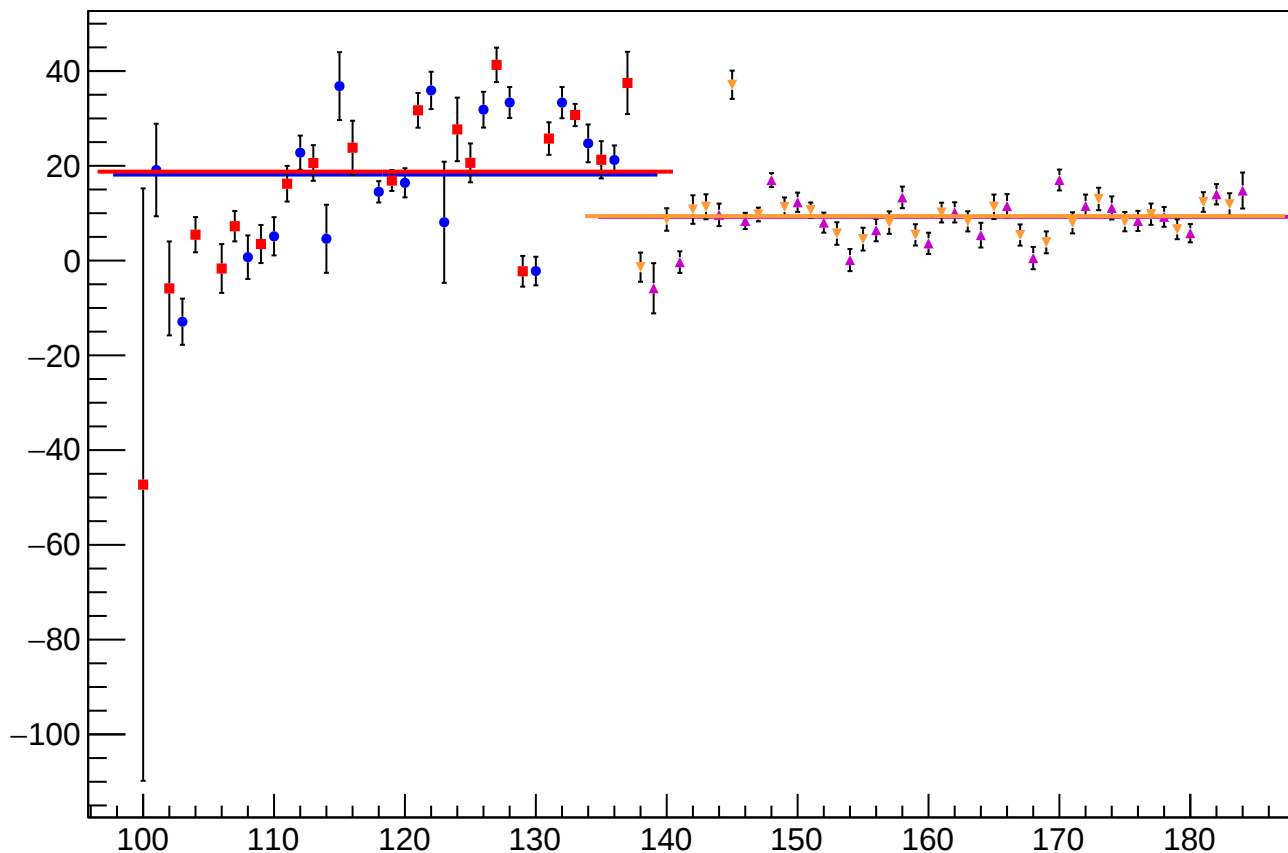
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -49.432+/-0.584 χ^2/NDF :543.4/22

Out: -50.796+/-0.579 χ^2/NDF :753.7/23

All: -50.120+/-0.411 χ^2/NDF : 1299.9/46

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.157+/-0.919 χ^2 /NDF: 206.6/16

Left Out: 9.380+/-0.450 χ^2 /NDF:129.1/23

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: 9.307+/-0.322 χ^2 /NDF: 253.1/46

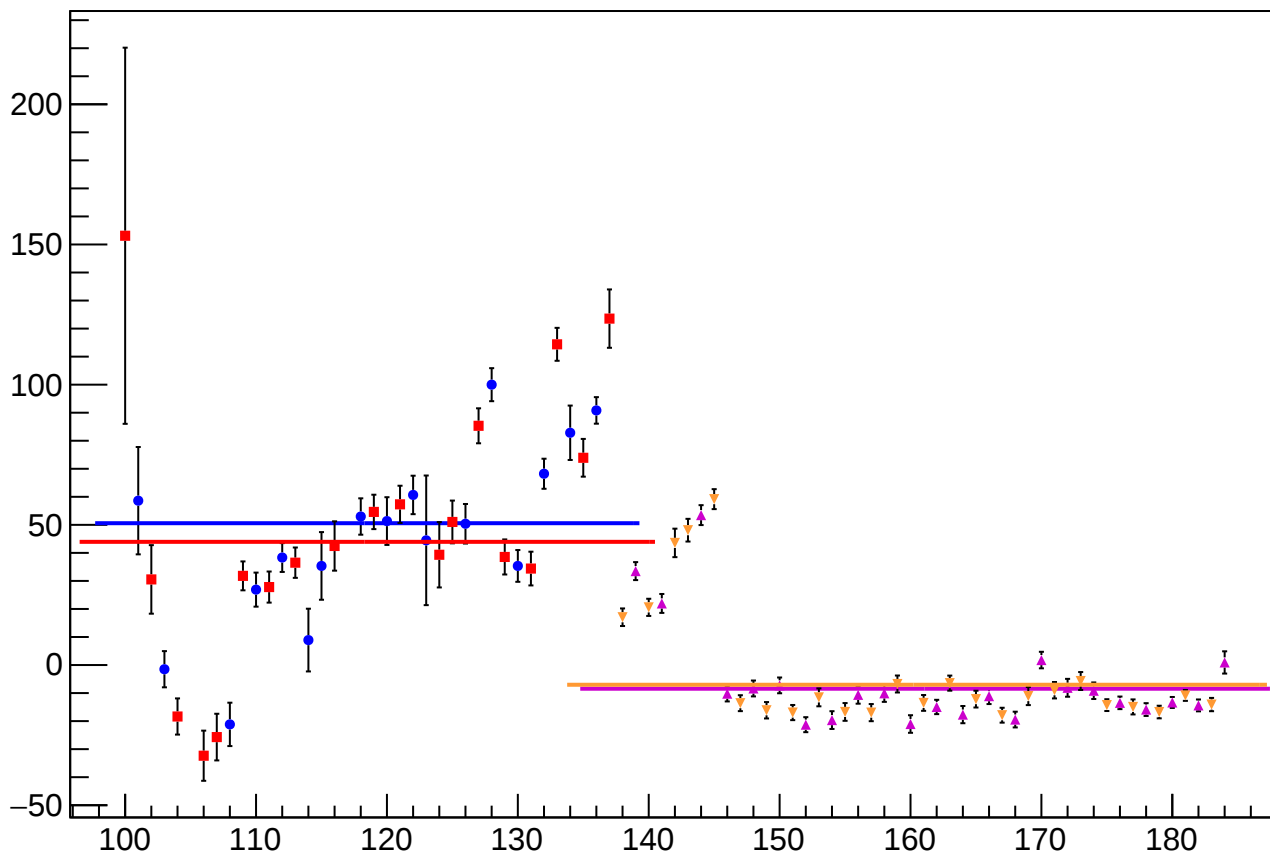
Right: 18.482+/-0.629 χ^2 /NDF: 405.9/35

In: 11.031+/-0.413 χ^2 /NDF:405.9/39

Out: 11.382+/-0.399 χ^2 /NDF:421.1/42

All: 11.212+/-0.287 χ^2 /NDF: 827.4/82

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.587 $\pm$ 1.681 χ^2 /NDF: 361.7/16

Left Out: -7.034 $\pm$ 0.576 χ^2 /NDF:900.4/23

Right Out: 43.942 $\pm$ 1.605 χ^2 /NDF: 533.3/18

Left In: -8.451 $\pm$ 0.580 χ^2 /NDF:688.9/22

Left: -7.738 $\pm$ 0.409 χ^2 /NDF: 1592.3/46

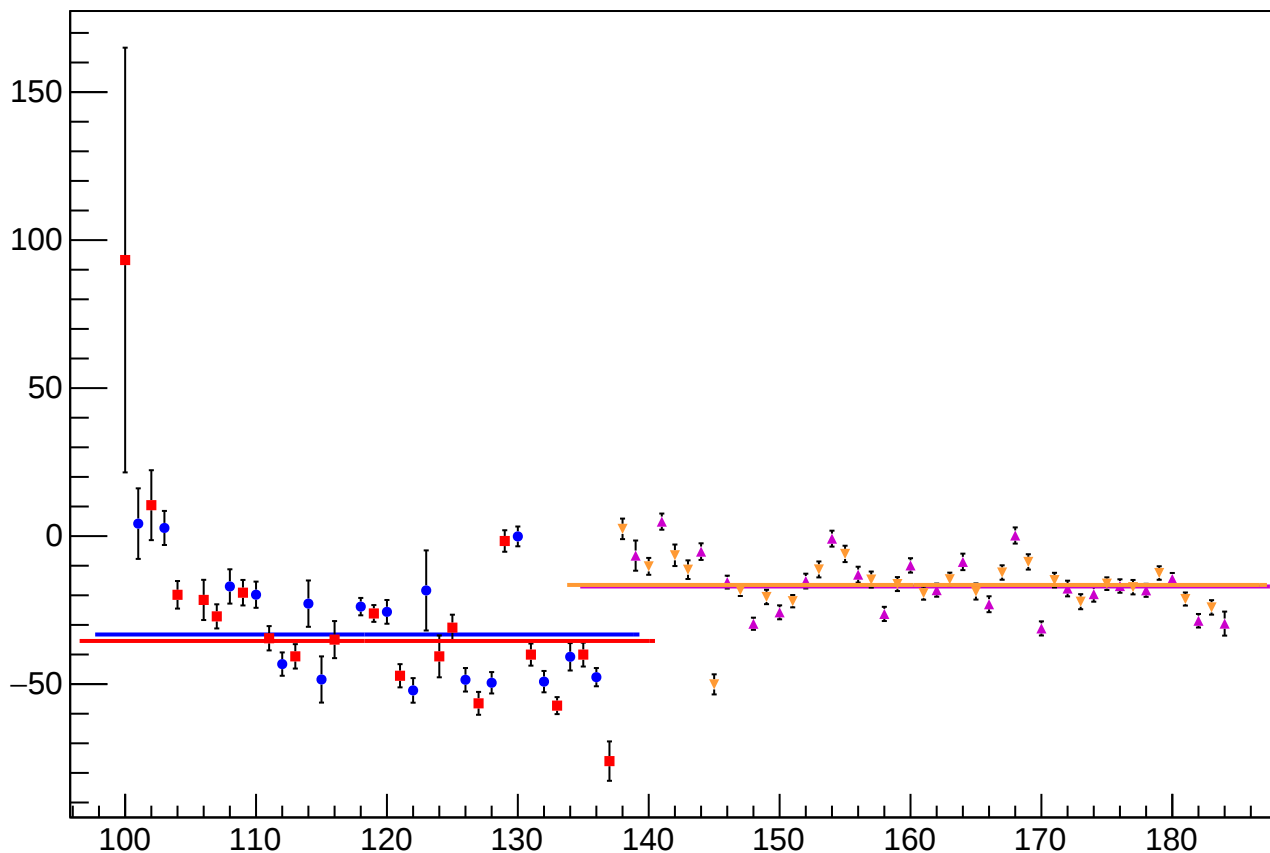
Right: 47.112 $\pm$ 1.161 χ^2 /NDF: 903.2/35

In: -2.171 $\pm$ 0.548 χ^2 /NDF:2153.5/39

Out: -1.216 $\pm$ 0.542 χ^2 /NDF:2327.1/42

All: -1.689 $\pm$ 0.385 χ^2 /NDF: 4482.1/82

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.238 ± 1.045 χ^2/NDF : 291.4/16

Left Out: -16.498 ± 0.511 χ^2/NDF : 209.6/23

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: -16.755 ± 0.365 χ^2/NDF : 537.7/46

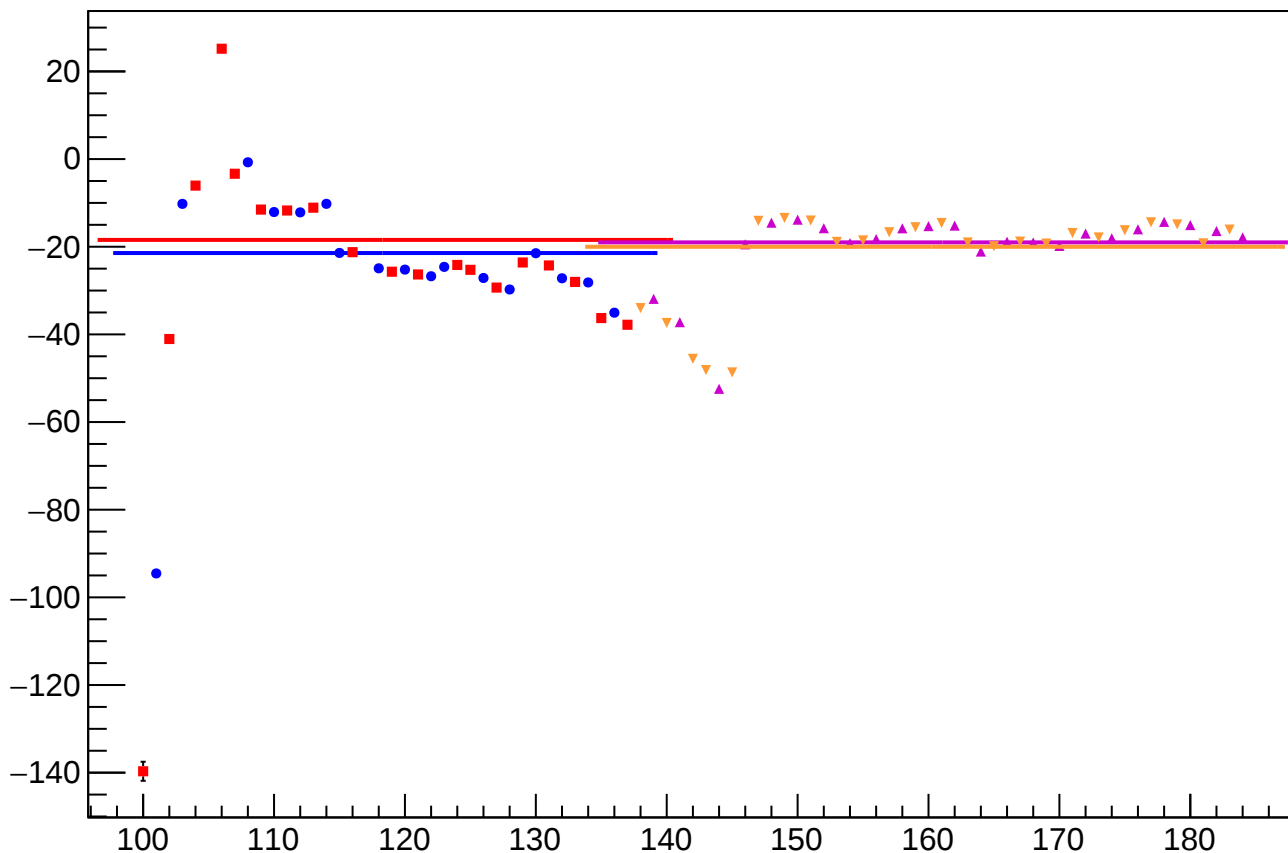
Right: -34.386 ± 0.720 χ^2/NDF : 582.9/35

In: -20.258 ± 0.467 χ^2/NDF : 811.5/39

Out: -20.463 ± 0.455 χ^2/NDF : 785.9/42

All: -20.363 ± 0.326 χ^2/NDF : 1597.5/82

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.439 ± 0.059 $\chi^2/\text{NDF}: 48930.7/16$

Left Out: -20.015 ± 0.024 $\chi^2/\text{NDF}: 140124.3/23$

Right Out: -18.442 ± 0.057 $\chi^2/\text{NDF}: 80422.3/18$

Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

Left: -19.513 ± 0.017 $\chi^2/\text{NDF}: 231907.2/46$

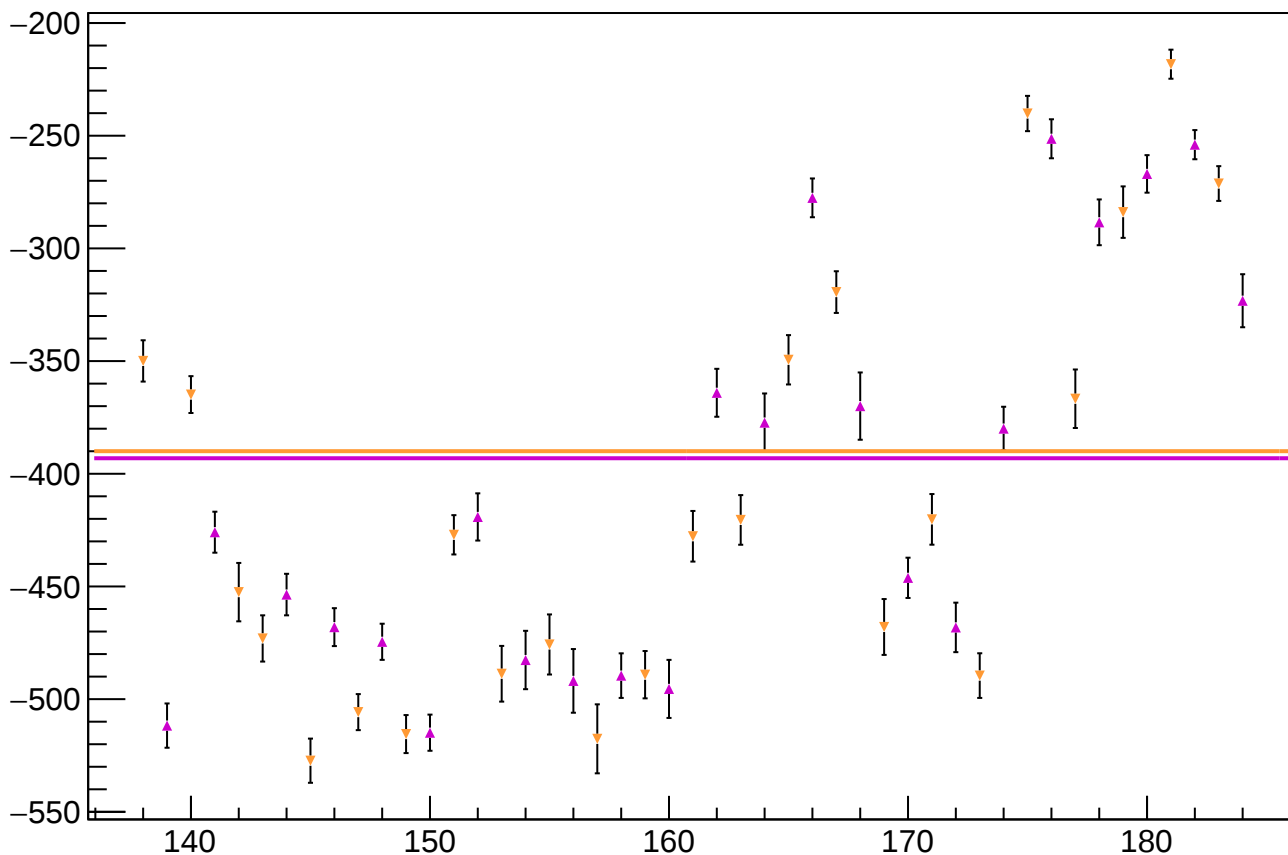
Right: -19.902 ± 0.041 $\chi^2/\text{NDF}: 130677.1/35$

In: -19.345 ± 0.022 $\chi^2/\text{NDF}: 141267.7/39$

Out: -19.788 ± 0.022 $\chi^2/\text{NDF}: 221187.4/42$

All: -19.568 ± 0.015 $\chi^2/\text{NDF}: 362660.7/82$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -389.976+/-1.989 χ^2/NDF :2667.6/23

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: -391.532+/-1.412 χ^2/NDF : 4922.2/46

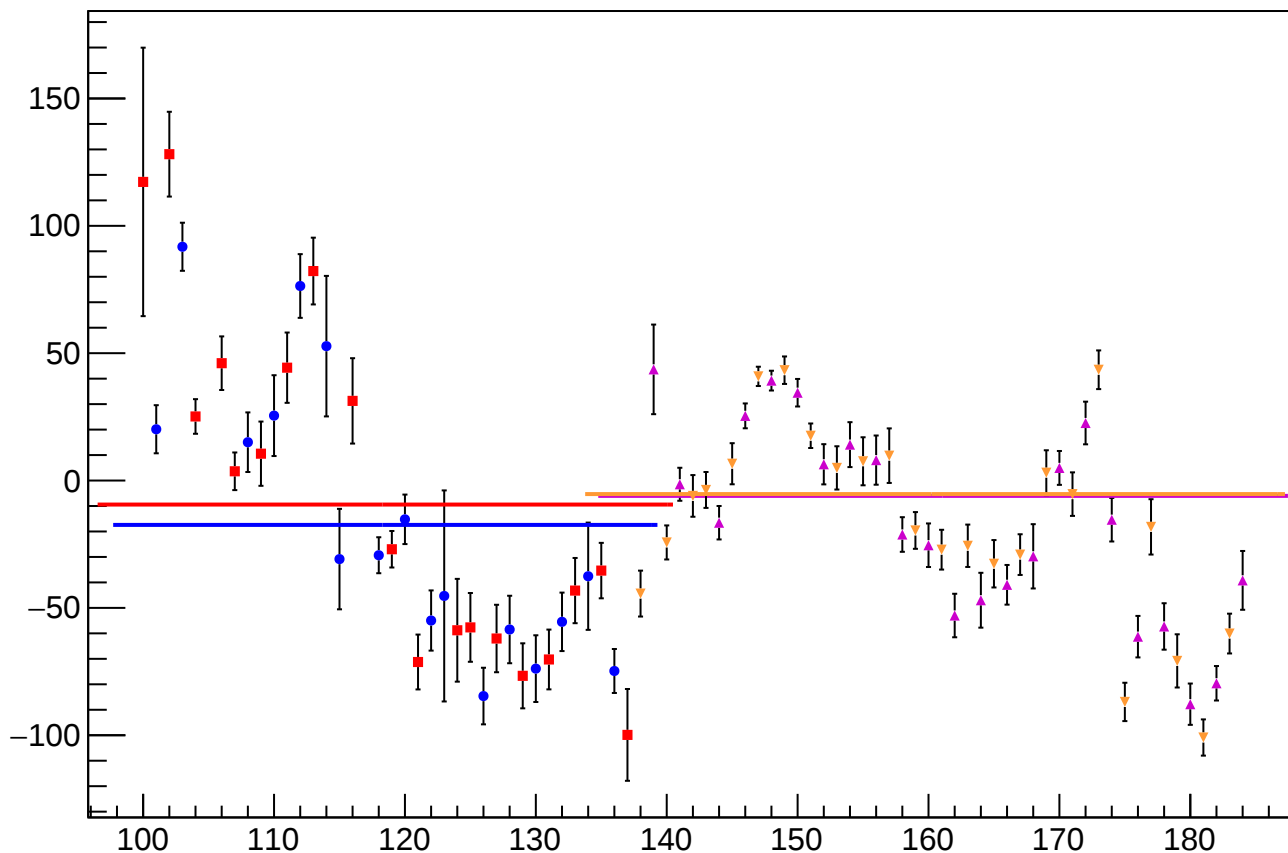
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -393.113+/-2.006 χ^2/NDF :2253.3/22

Out: -389.976+/-1.989 χ^2/NDF :2667.6/23

All: -391.532+/-1.412 χ^2/NDF : 4922.2/46

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: -5.317 ± 1.476 $\chi^2/\text{NDF}: 752.6/23$

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: -5.658 ± 1.058 $\chi^2/\text{NDF}: 1406.8/46$

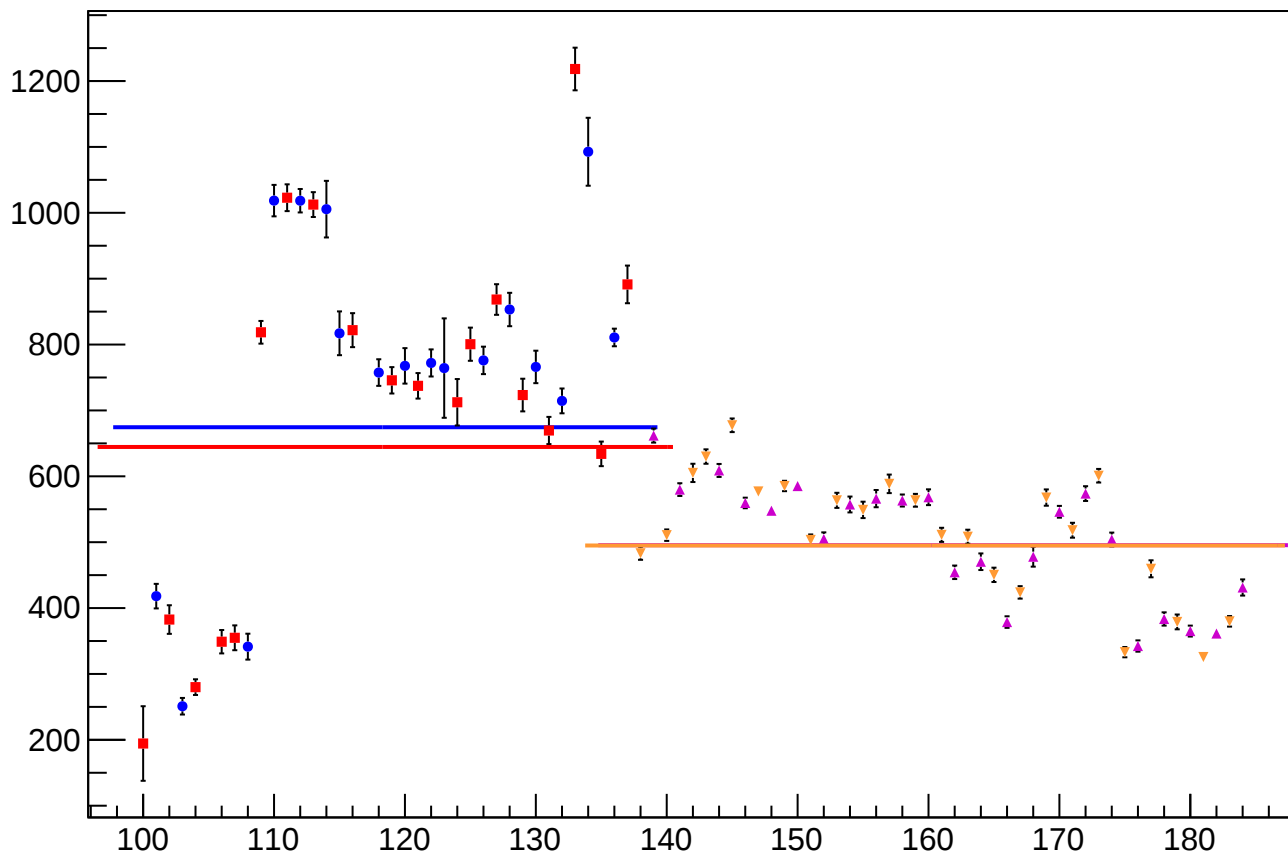
Right: -13.111 ± 1.918 $\chi^2/\text{NDF}: 735.6/35$

In: -8.567 ± 1.336 $\chi^2/\text{NDF}: 1028.8/39$

Out: -6.313 ± 1.285 $\chi^2/\text{NDF}: 1123.7/42$

All: -7.397 ± 0.926 $\chi^2/\text{NDF}: 2154.0/82$

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: 494.985 $\pm$ 1.986 χ^2 /NDF:2541.4/23

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: 495.219 $\pm$ 1.407 χ^2 /NDF: 4795.2/46

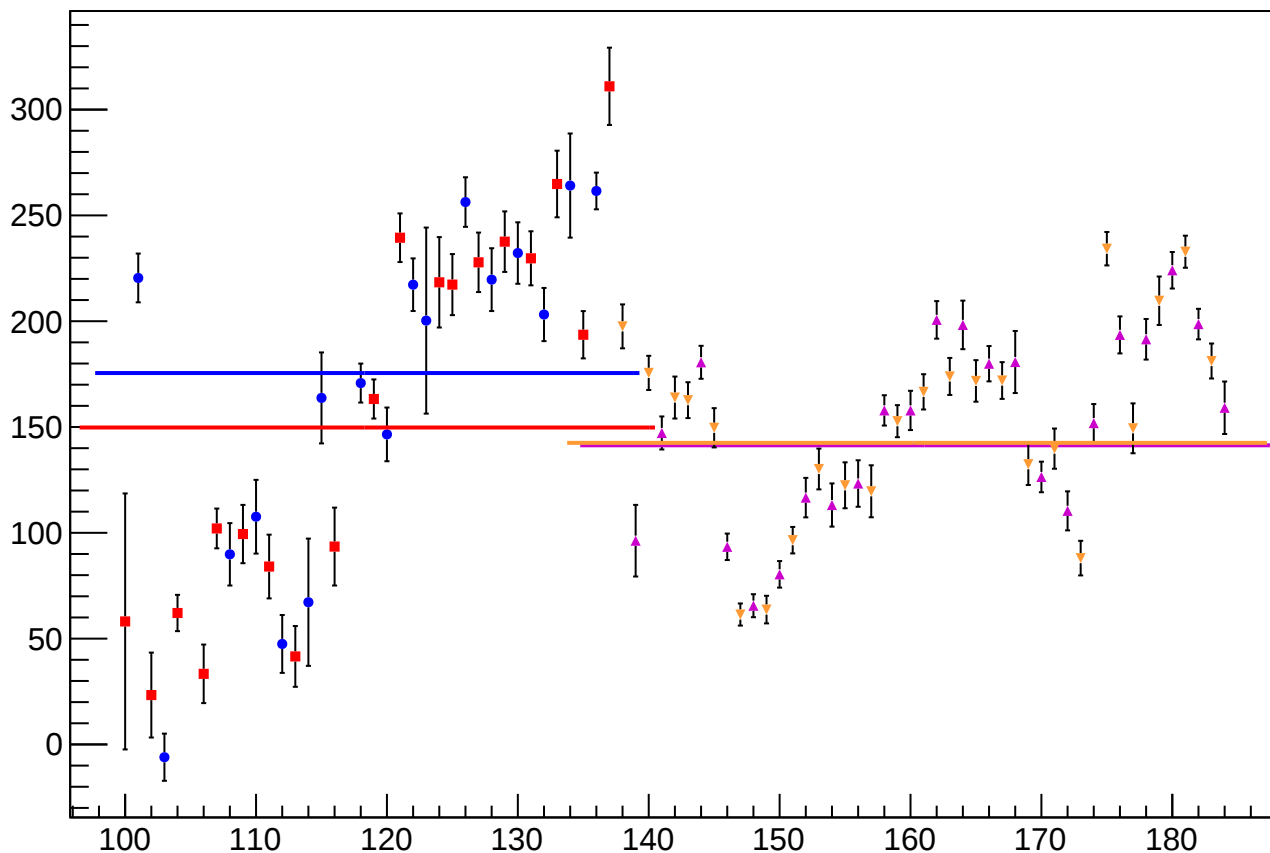
Right: 658.590 $\pm$ 3.475 χ^2 /NDF: 5719.2/35

In: 519.349 $\pm$ 1.854 χ^2 /NDF:5912.4/39

Out: 517.113 $\pm$ 1.834 χ^2 /NDF:6500.3/42

All: 518.219 $\pm$ 1.304 χ^2 /NDF: 12413.5/82

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: 142.515 $\pm$ 1.716 χ^2 /NDF:927.5/23

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: 141.948 $\pm$ 1.225 χ^2 /NDF: 1669.0/46

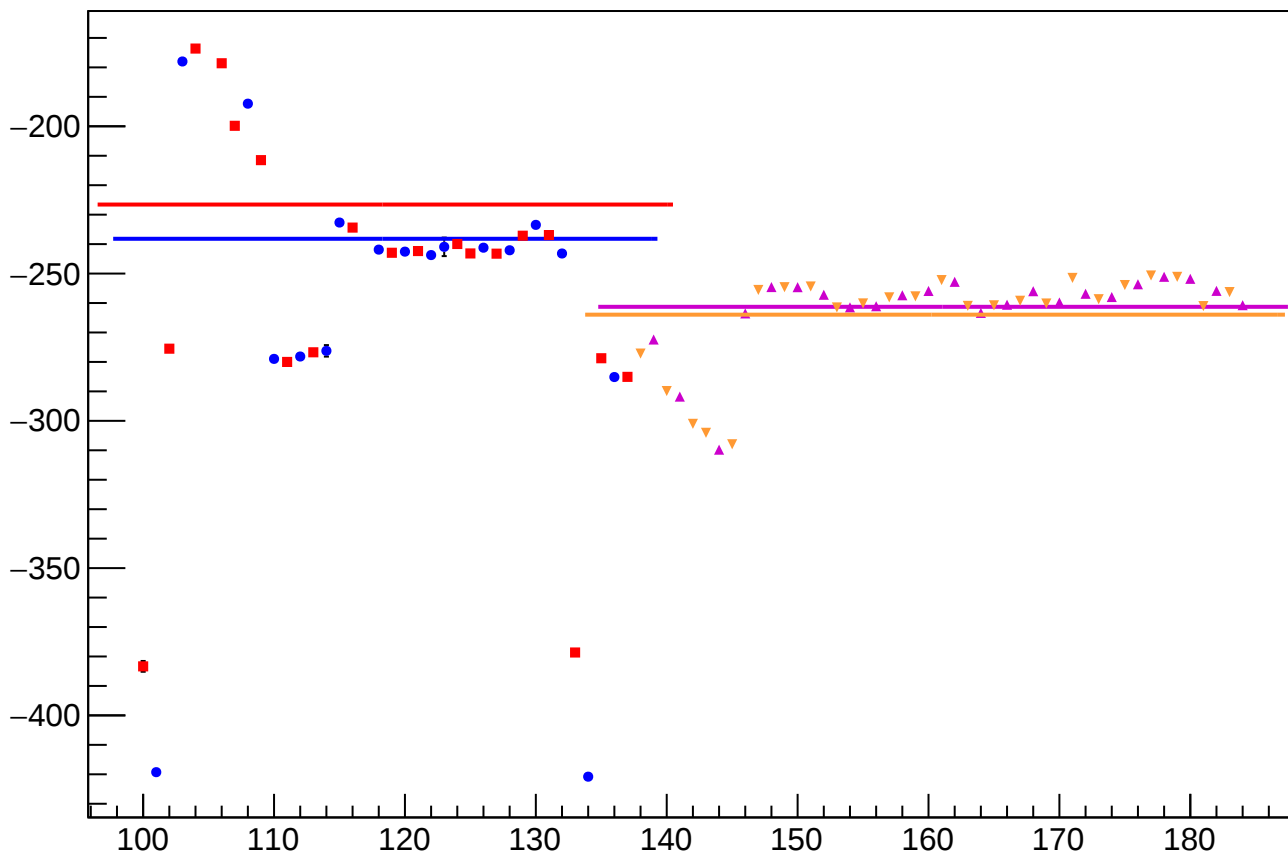
Right: 161.824 $\pm$ 2.221 χ^2 /NDF: 1360.1/35

In: 149.039 $\pm$ 1.539 χ^2 /NDF:1462.5/39

Out: 144.263 $\pm$ 1.495 χ^2 /NDF:1623.0/42

All: 146.582 $\pm$ 1.072 χ^2 /NDF: 3090.5/82

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.191+/-0.161 χ^2 /NDF: 167088.3/16

Left Out: -263.953+/-0.082 χ^2 /NDF:37567.3/23

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: -262.614+/-0.058 χ^2 /NDF: 61442.7/46

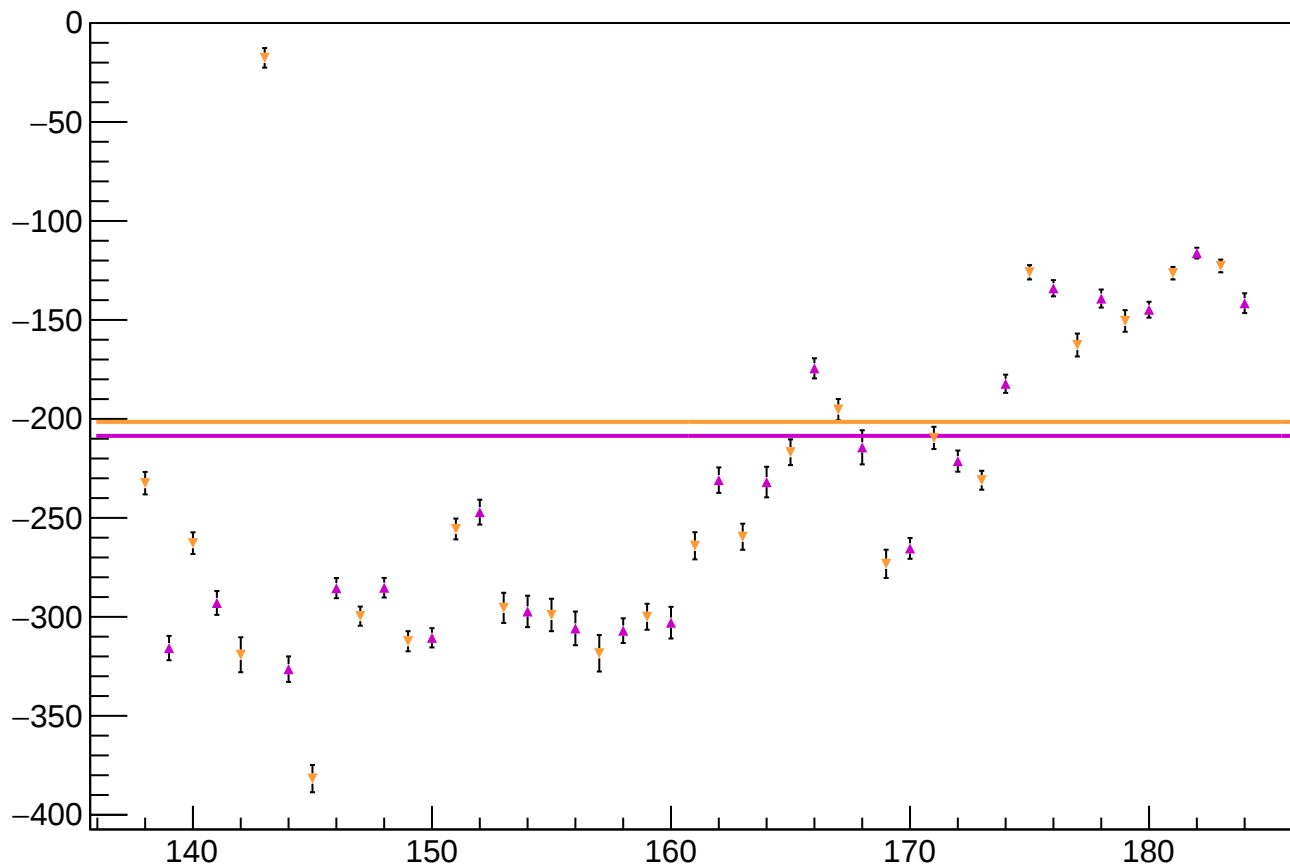
Right: -232.034+/-0.110 χ^2 /NDF: 272402.4/35

In: -256.513+/-0.073 χ^2 /NDF:206842.3/39

Out: -255.419+/-0.072 χ^2 /NDF:187208.1/42

All: -255.960+/-0.051 χ^2 /NDF: 394163.9/82

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: -201.491 ± 1.080 χ^2/NDF : 6108.5/23

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: -205.029 ± 0.765 χ^2/NDF : 10935.1/46

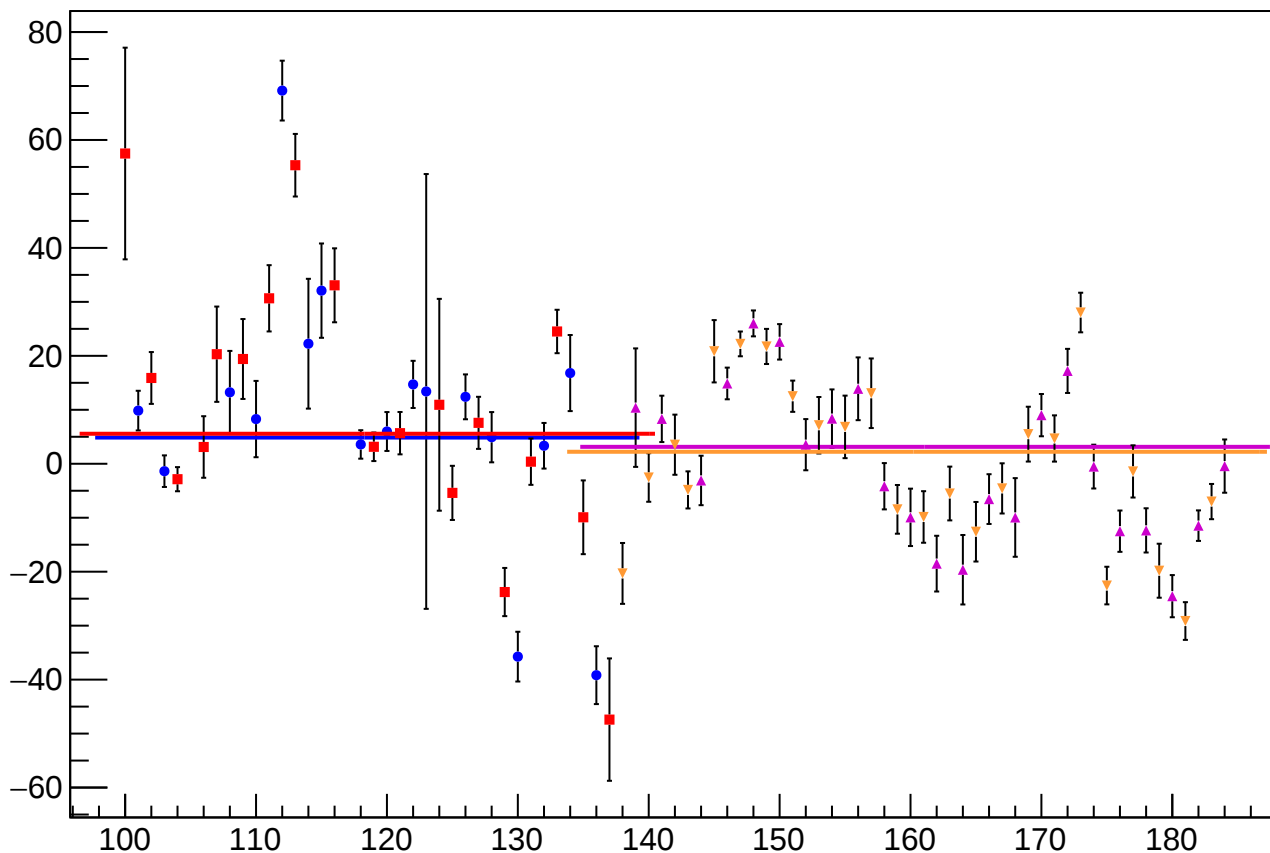
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -208.579 ± 1.082 χ^2/NDF : 4805.1/22

Out: -201.491 ± 1.080 χ^2/NDF : 6108.5/23

All: -205.029 ± 0.765 χ^2/NDF : 10935.1/46

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: 2.222 ± 0.833 χ^2/NDF : 393.6/23

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: 2.666 ± 0.597 χ^2/NDF : 714.0/46

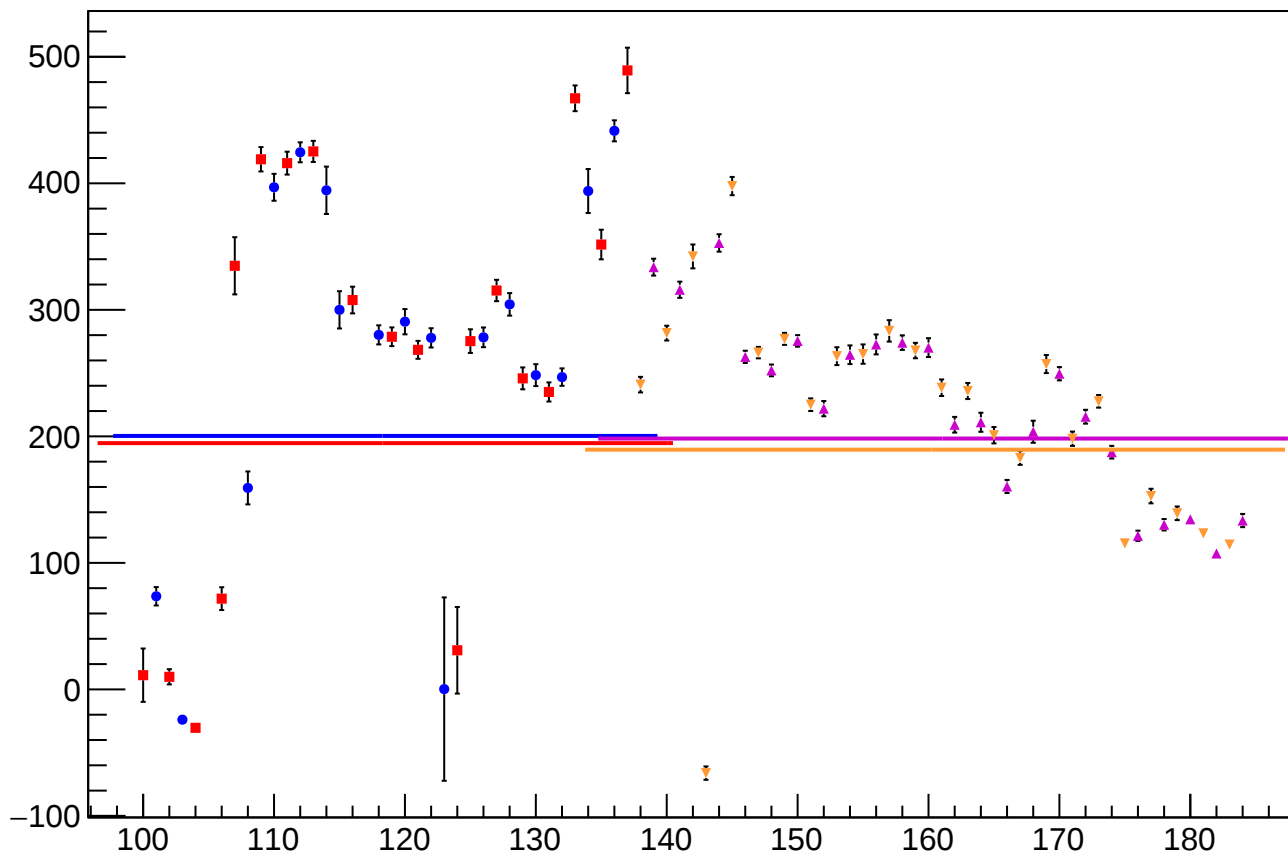
Right: 5.220 ± 0.769 χ^2/NDF : 549.4/35

In: 3.780 ± 0.678 χ^2/NDF : 632.2/39

Out: 3.482 ± 0.657 χ^2/NDF : 638.0/42

All: 3.626 ± 0.472 χ^2/NDF : 1270.3/82

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: 189.471 $\pm$ 1.083 χ^2 /NDF:6649.4/23

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: 193.877 $\pm$ 0.765 χ^2 /NDF: 11198.2/46

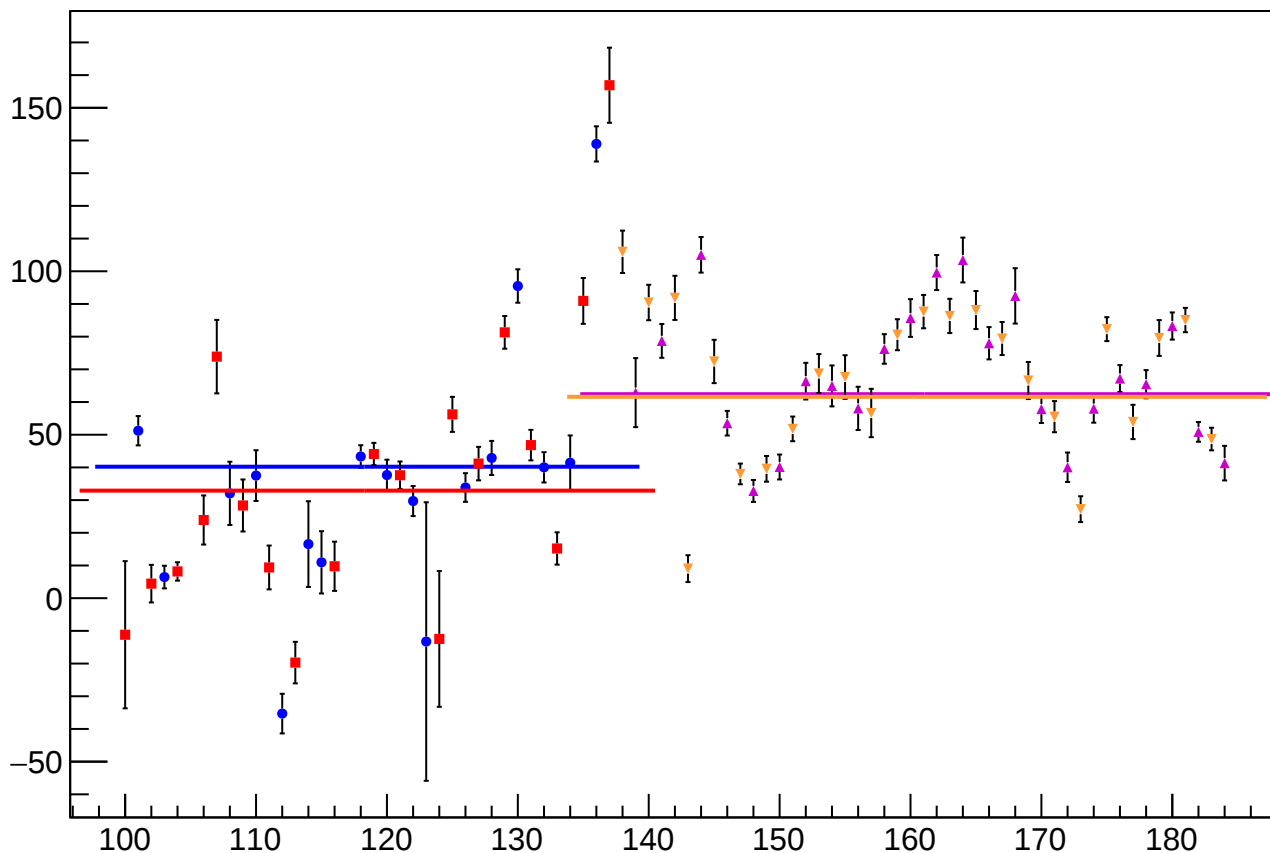
Right: 197.414 $\pm$ 1.383 χ^2 /NDF: 14964.6/35

In: 198.744 $\pm$ 0.950 χ^2 /NDF:11234.2/39

Out: 190.716 $\pm$ 0.944 χ^2 /NDF:14897.7/42

All: 194.706 $\pm$ 0.670 χ^2 /NDF: 26167.8/82

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.214+/-1.286 χ^2/NDF : 733.9/16

Left Out: 61.599+/-0.956 χ^2/NDF : 632.4/23

Right Out: 32.898+/-1.252 χ^2/NDF : 549.8/18

Left In: 62.400+/-0.974 χ^2/NDF : 406.3/22

Left: 61.992+/-0.682 χ^2/NDF : 1039.1/46

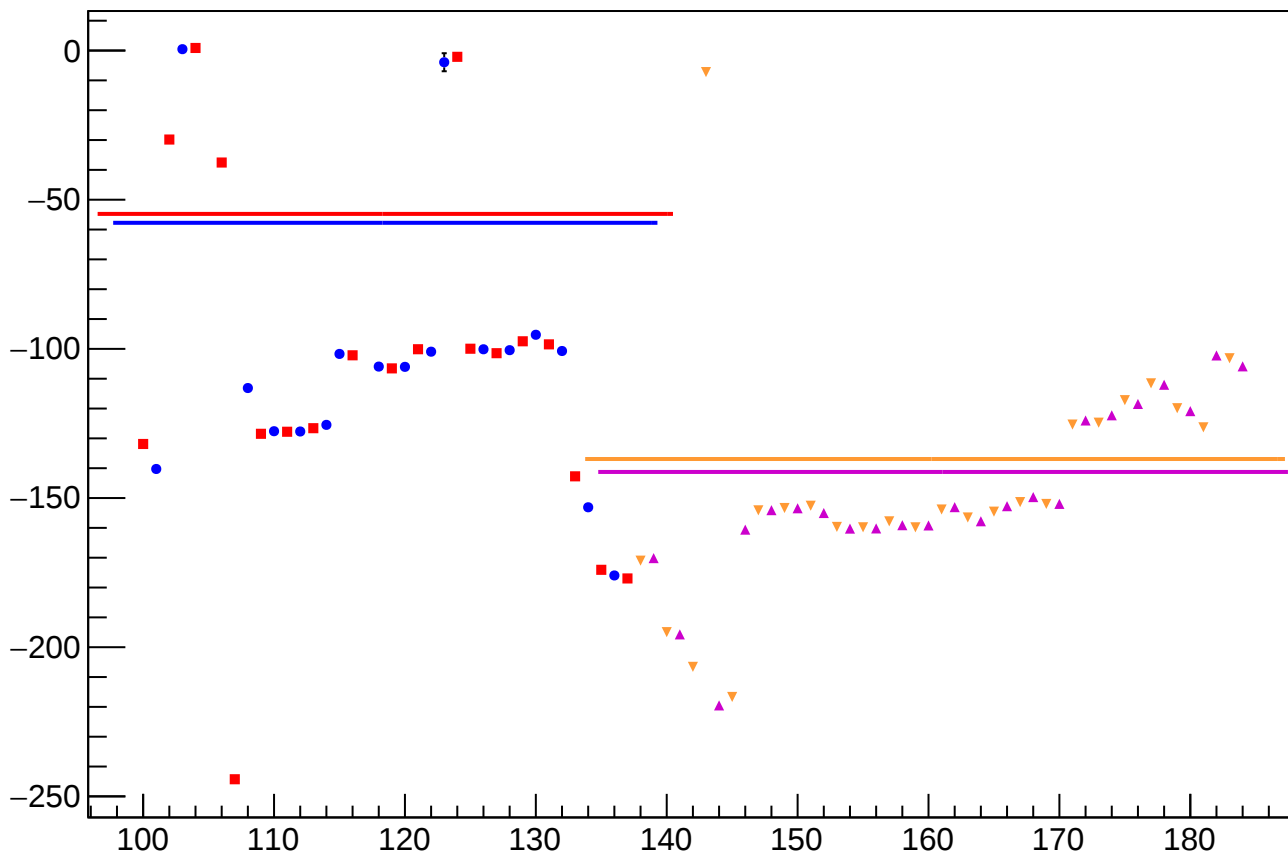
Right: 36.460+/-0.897 χ^2/NDF : 1300.3/35

In: 54.308+/-0.776 χ^2/NDF : 1329.4/39

Out: 51.027+/-0.760 χ^2/NDF : 1513.9/42

All: 52.633+/-0.543 χ^2/NDF : 2852.4/82

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.743 $\pm$ 0.062 χ^2 /NDF: 1100251.3/16

Left Out: -136.914 $\pm$ 0.045 χ^2 /NDF: 722943.6/23

Right Out: -54.758 $\pm$ 0.060 χ^2 /NDF: 999720.2/18

Left In: -141.255 $\pm$ 0.045 χ^2 /NDF: 347229.8/22

Left: -139.092 $\pm$ 0.032 χ^2 /NDF: 1074751.2/46

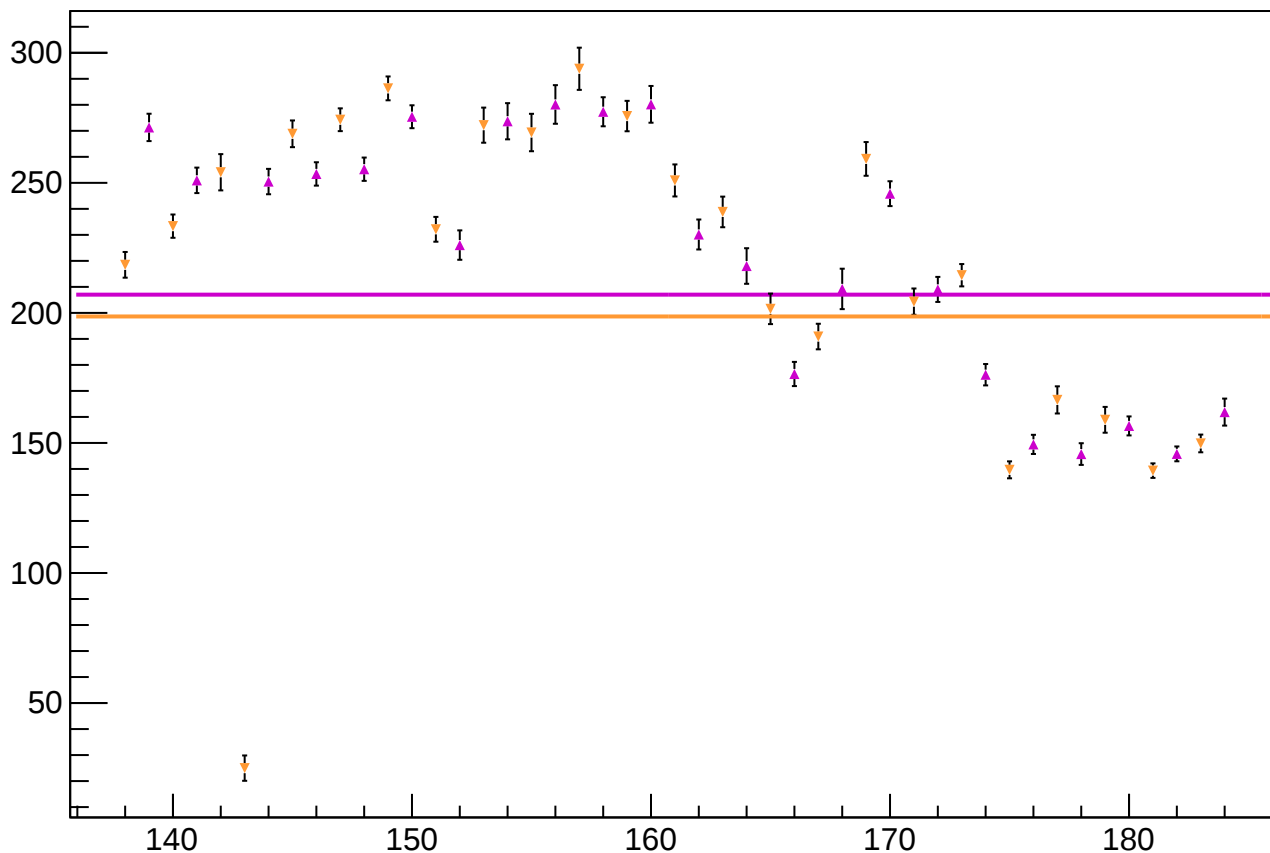
Right: -56.212 $\pm$ 0.043 χ^2 /NDF: 2101166.3/35

In: -112.098 $\pm$ 0.037 χ^2 /NDF: 2634569.1/39

Out: -107.133 $\pm$ 0.036 χ^2 /NDF: 2906939.1/42

All: -109.599 $\pm$ 0.026 χ^2 /NDF: 5550800.6/82

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: 198.628+/-0.976 χ^2/NDF :4146.2/23

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: 202.761+/-0.695 χ^2/NDF : 6794.1/46

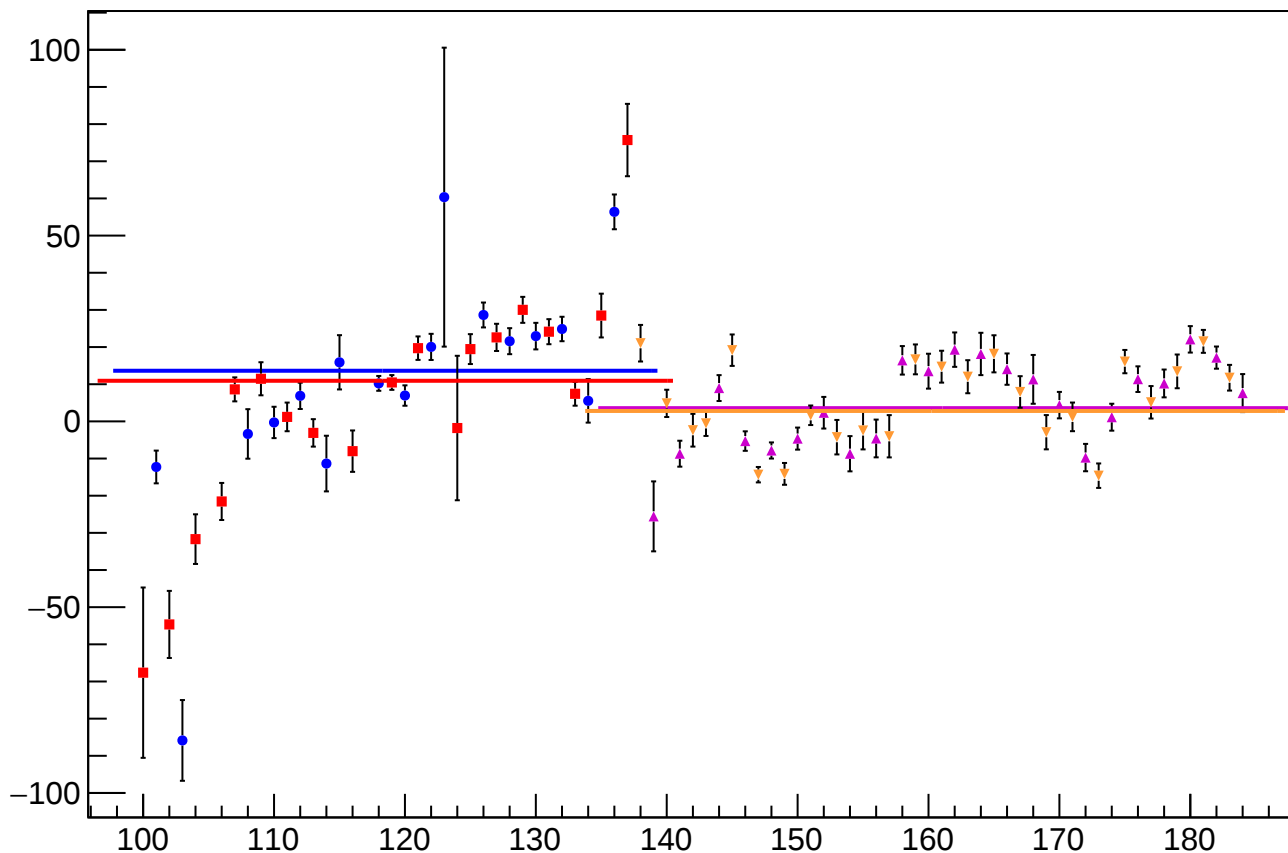
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 207.014+/-0.990 χ^2/NDF :2611.5/22

Out: 198.628+/-0.976 χ^2/NDF :4146.2/23

All: 202.761+/-0.695 χ^2/NDF : 6794.1/46

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.625 $\pm$ 0.938 χ^2 /NDF: 293.3/16

Left Out: 2.807 $\pm$ 0.750 χ^2 /NDF: 269.7/23

Right Out: 10.927 $\pm$ 0.915 χ^2 /NDF: 302.8/18

Left In: 3.559 $\pm$ 0.774 χ^2 /NDF: 192.0/22

Left: 3.171 $\pm$ 0.539 χ^2 /NDF: 462.1/46

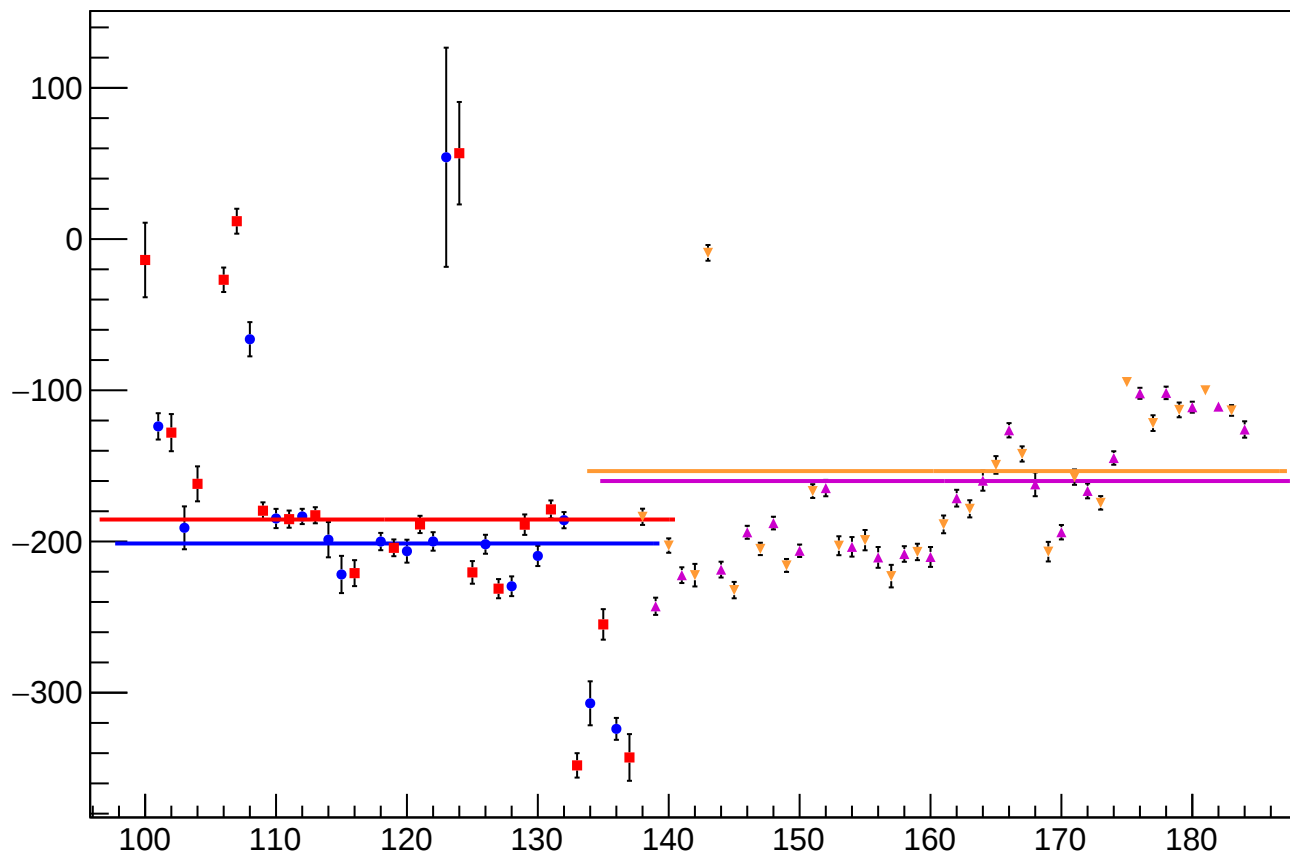
Right: 12.242 $\pm$ 0.655 χ^2 /NDF: 600.3/35

In: 7.637 $\pm$ 0.597 χ^2 /NDF: 553.7/39

Out: 6.071 $\pm$ 0.580 χ^2 /NDF: 619.6/42

All: 6.831 $\pm$ 0.416 χ^2 /NDF: 1176.9/82

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: -153.441 ± 0.979 χ^2/NDF : 2927.2/23

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: -156.699 ± 0.696 χ^2/NDF : 4974.0/46

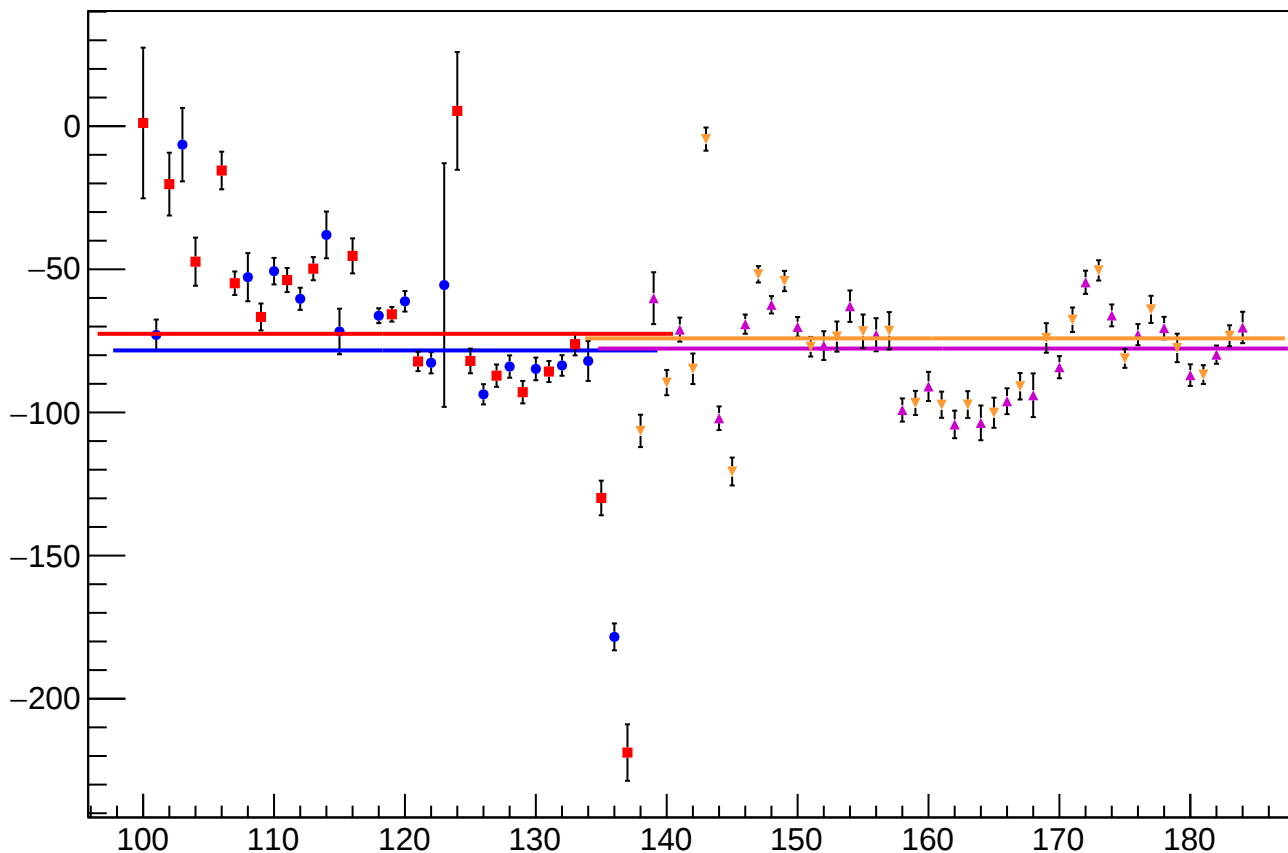
Right: -192.954 ± 1.237 χ^2/NDF : 2410.8/35

In: -169.595 ± 0.867 χ^2/NDF : 3053.7/39

Out: -161.400 ± 0.849 χ^2/NDF : 4938.2/42

All: -165.413 ± 0.606 χ^2/NDF : 8037.5/82

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: -74.116 ± 0.862 χ^2/NDF : 718.3/23

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: -75.855 ± 0.617 χ^2/NDF : 974.9/46

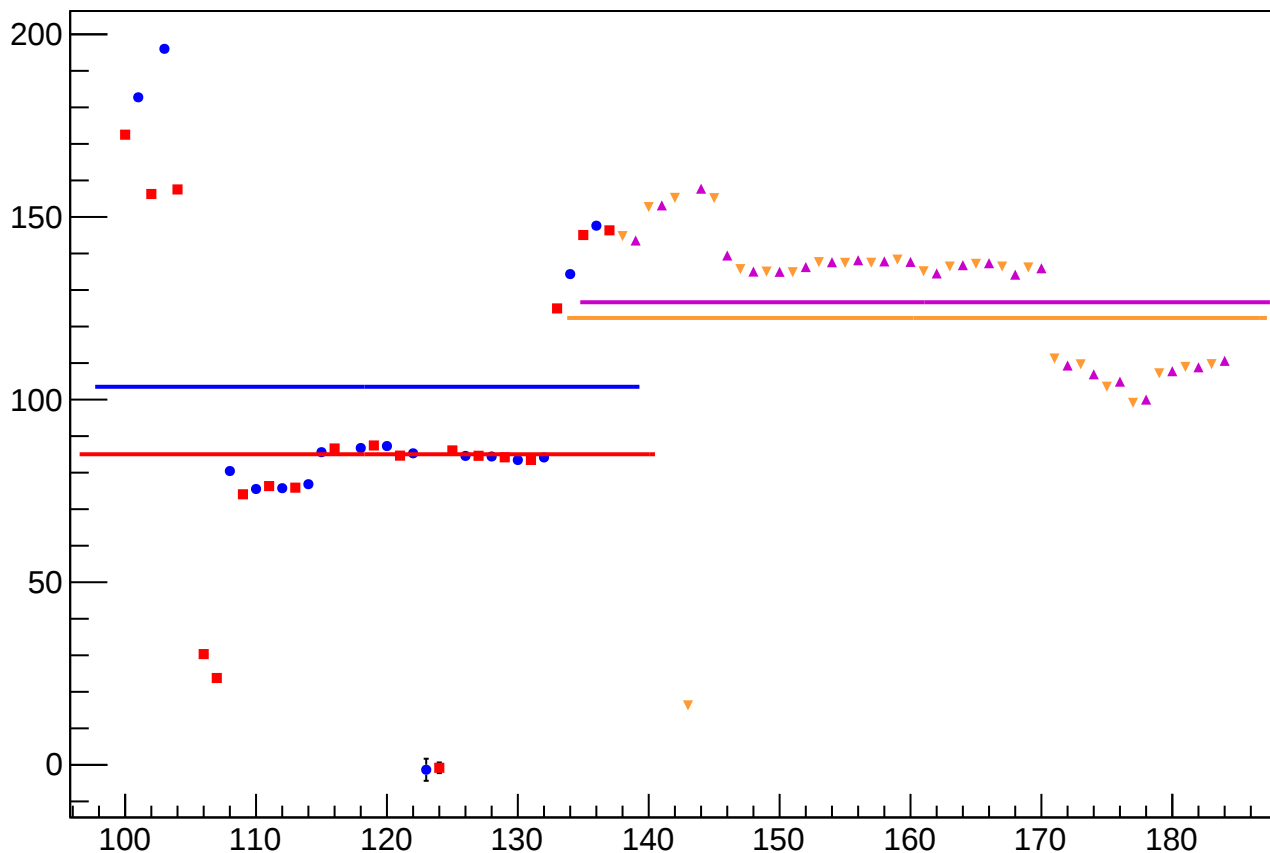
Right: -75.351 ± 0.756 χ^2/NDF : 1270.1/35

In: -77.939 ± 0.684 χ^2/NDF : 898.3/39

Out: -73.480 ± 0.667 χ^2/NDF : 1325.1/42

All: -75.653 ± 0.478 χ^2/NDF : 2245.2/82

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: 122.351 $\pm$ 0.041 χ^2 /NDF: 435553.5/23

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: 124.495 $\pm$ 0.029 χ^2 /NDF: 604101.4/46

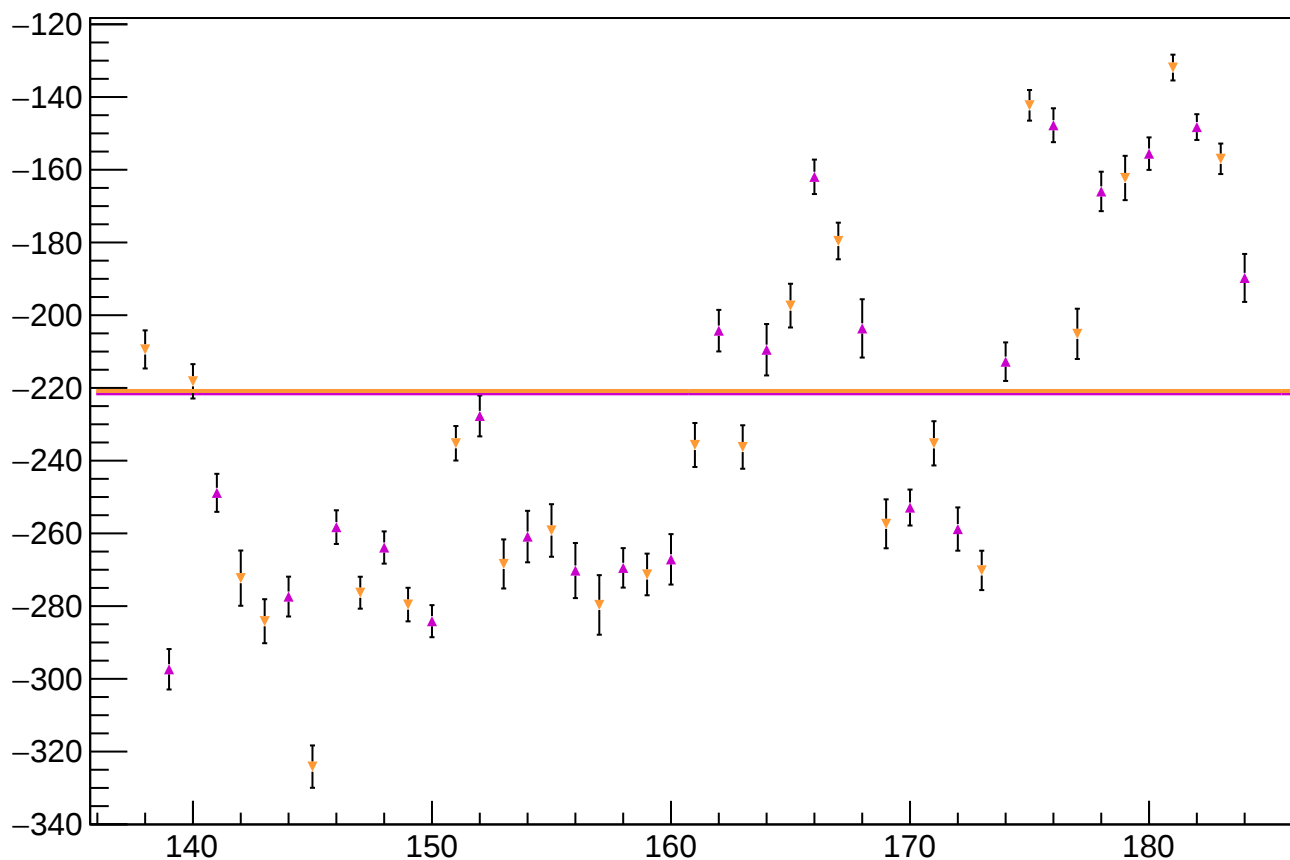
Right: 93.292 $\pm$ 0.047 χ^2 /NDF: 732275.0/35

In: 120.850 $\pm$ 0.036 χ^2 /NDF: 515138.2/39

Out: 111.470 $\pm$ 0.034 χ^2 /NDF: 1099977.3/42

All: 116.015 $\pm$ 0.025 χ^2 /NDF: 1650994.4/82

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: -220.840+/-1.097 χ^2/NDF :2532.3/23

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: -221.160+/-0.777 χ^2/NDF : 4682.3/46

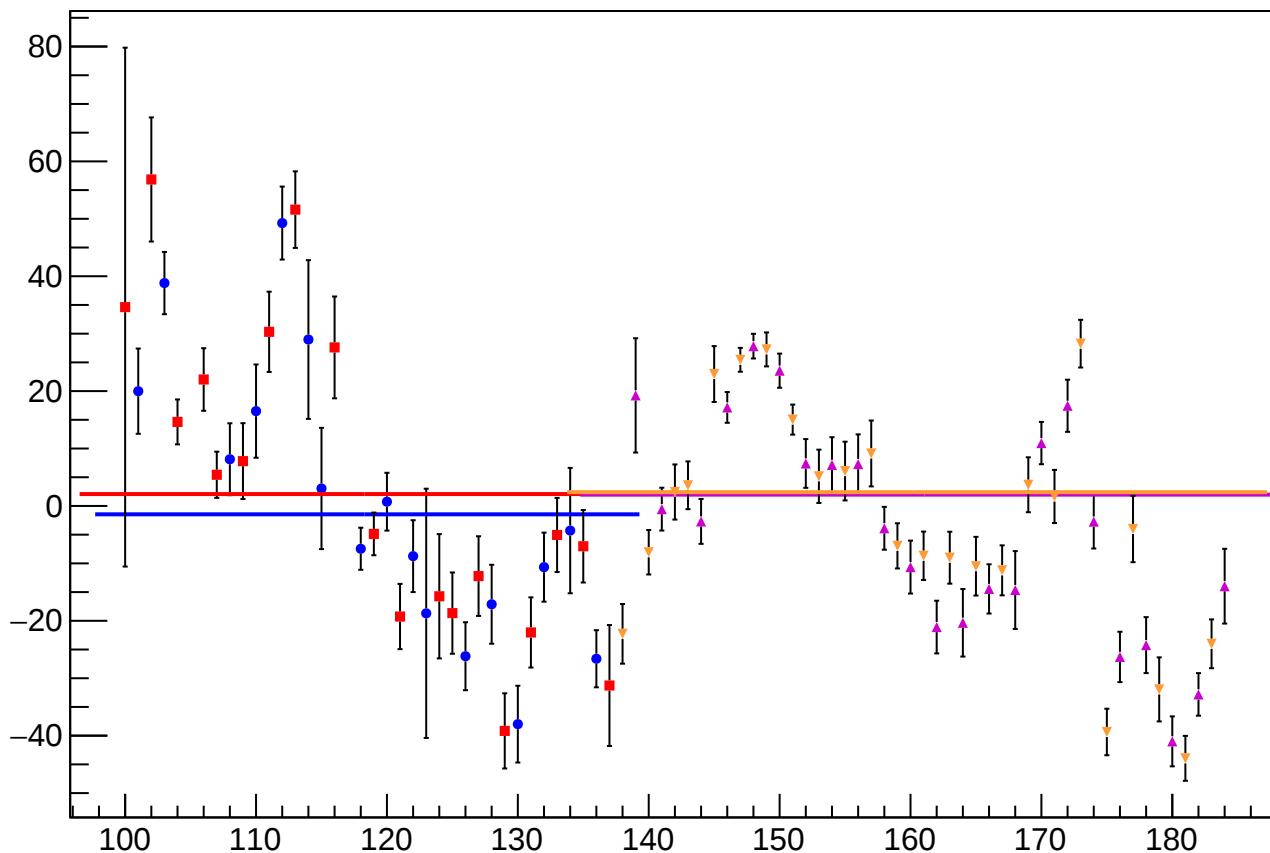
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -221.483+/-1.102 χ^2/NDF :2149.8/22

Out: -220.840+/-1.097 χ^2/NDF :2532.3/23

All: -221.160+/-0.777 χ^2/NDF : 4682.3/46

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: 2.401 ± 0.815 χ^2/NDF : 665.2/23

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: 2.190 ± 0.583 χ^2/NDF : 1254.4/46

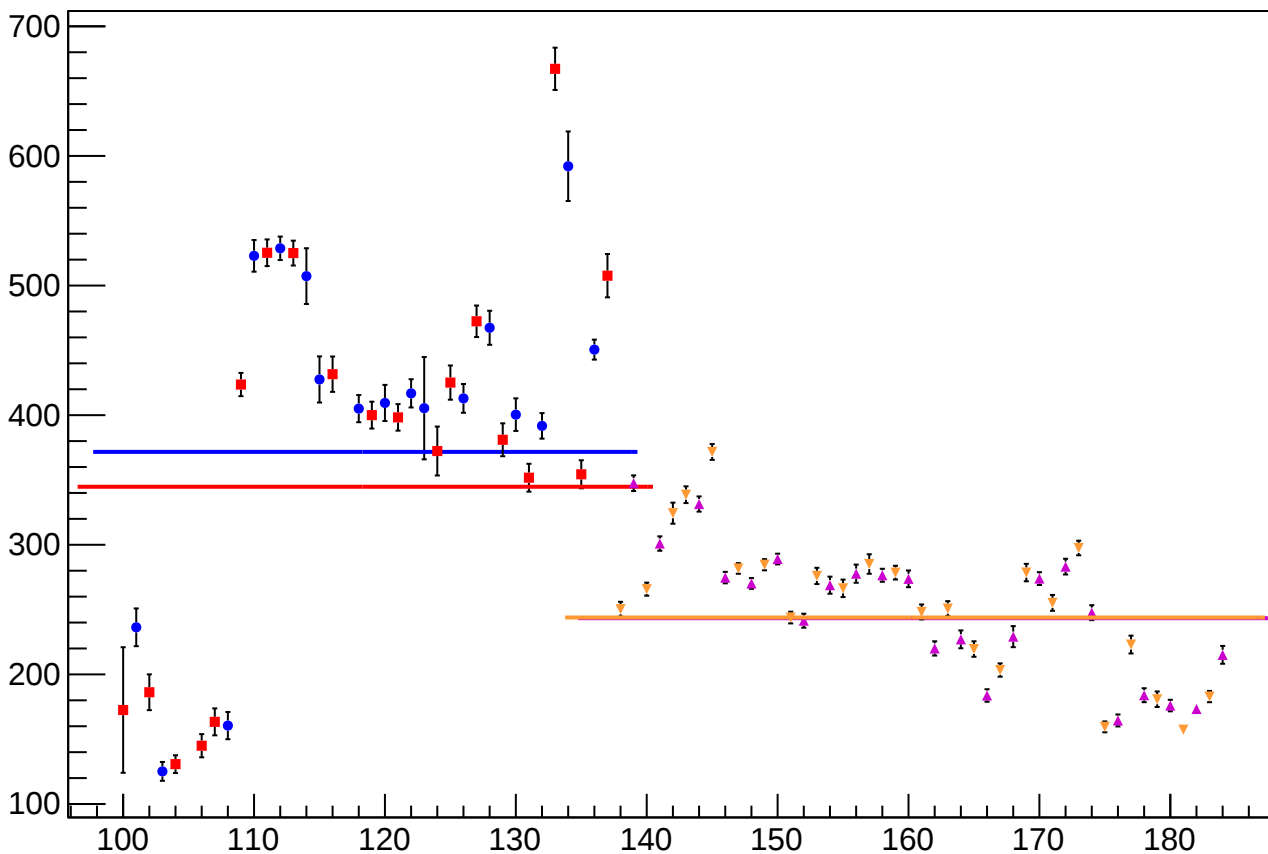
Right: 0.471 ± 1.036 χ^2/NDF : 460.5/35

In: 1.190 ± 0.734 χ^2/NDF : 817.7/39

Out: 2.318 ± 0.704 χ^2/NDF : 898.1/42

All: 1.777 ± 0.508 χ^2/NDF : 1717.0/82

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: 243.906 $\pm$ 1.093 χ^2 /NDF:2525.1/23

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: 243.636 $\pm$ 0.773 χ^2 /NDF: 4761.9/46

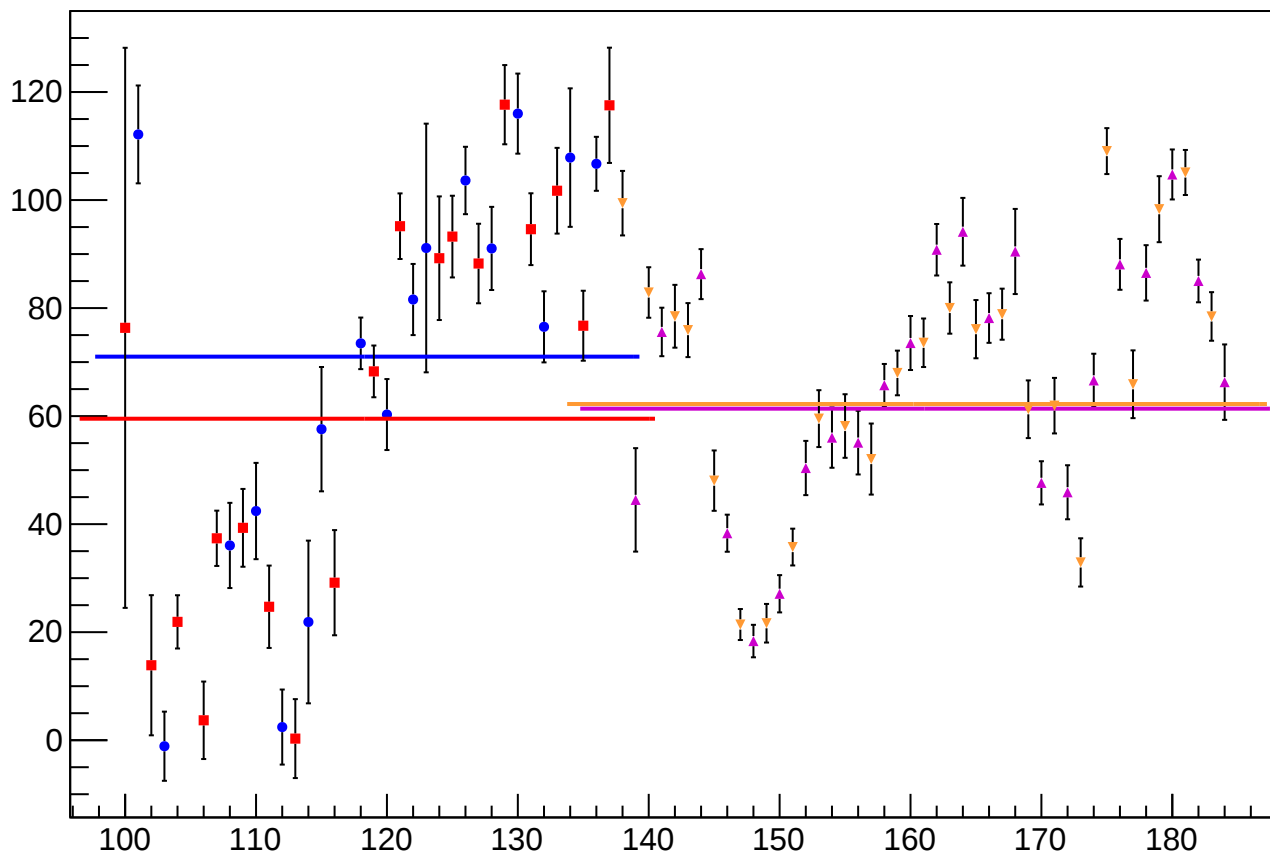
Right: 357.130 $\pm$ 1.886 χ^2 /NDF: 5893.2/35

In: 260.528 $\pm$ 1.018 χ^2 /NDF:6507.8/39

Out: 259.405 $\pm$ 1.006 χ^2 /NDF:7246.2/42

All: 259.960 $\pm$ 0.715 χ^2 /NDF: 13754.6/82

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: 62.240 $\pm$ 0.946 χ^2 /NDF:834.4/23

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: 61.815 $\pm$ 0.674 χ^2 /NDF: 1534.5/46

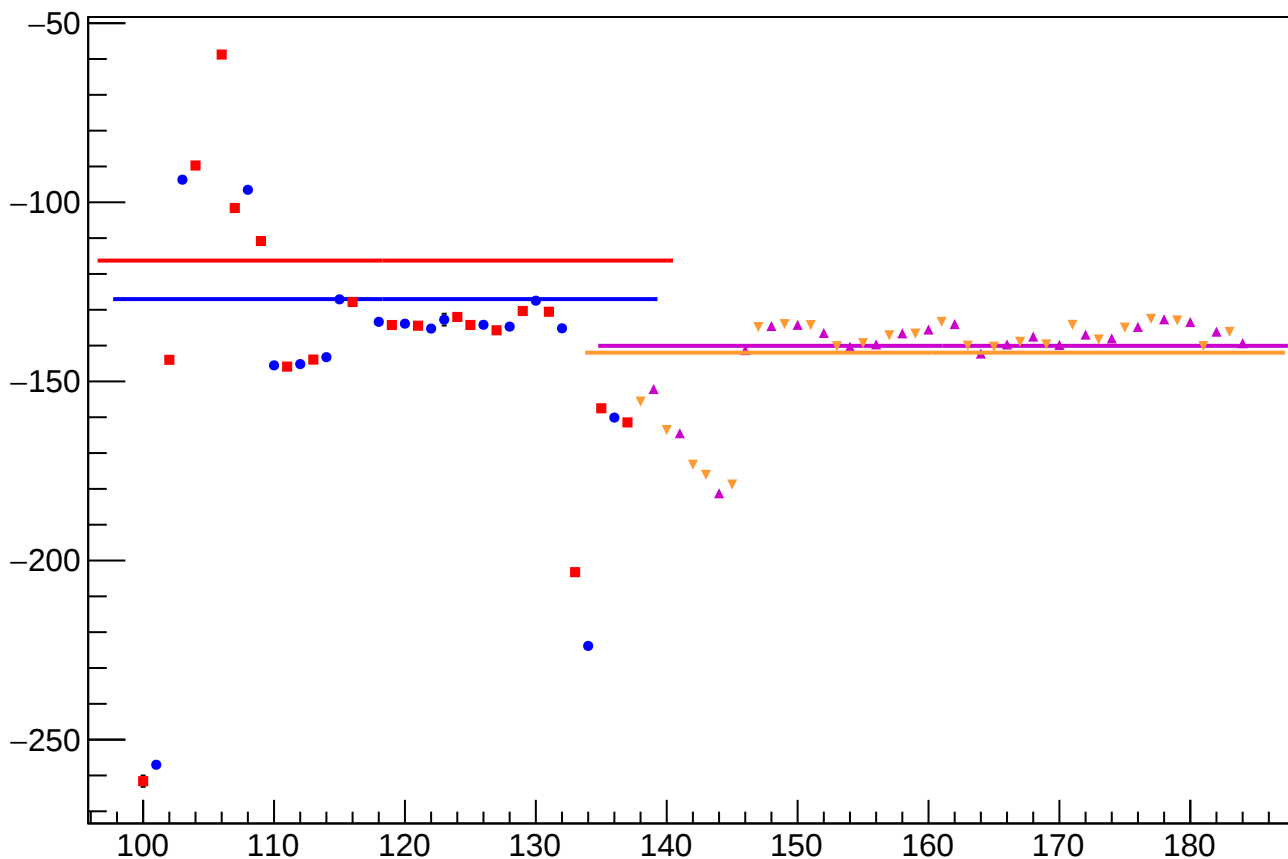
Right: 64.809 $\pm$ 1.200 χ^2 /NDF: 936.3/35

In: 63.573 $\pm$ 0.844 χ^2 /NDF:1146.7/39

Out: 61.557 $\pm$ 0.818 χ^2 /NDF:1325.9/42

All: 62.533 $\pm$ 0.588 χ^2 /NDF: 2475.5/82

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: -141.977 $\pm$ 0.045 χ^2 /NDF: 77063.2/23

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: -141.017 $\pm$ 0.032 χ^2 /NDF: 125987.8/46

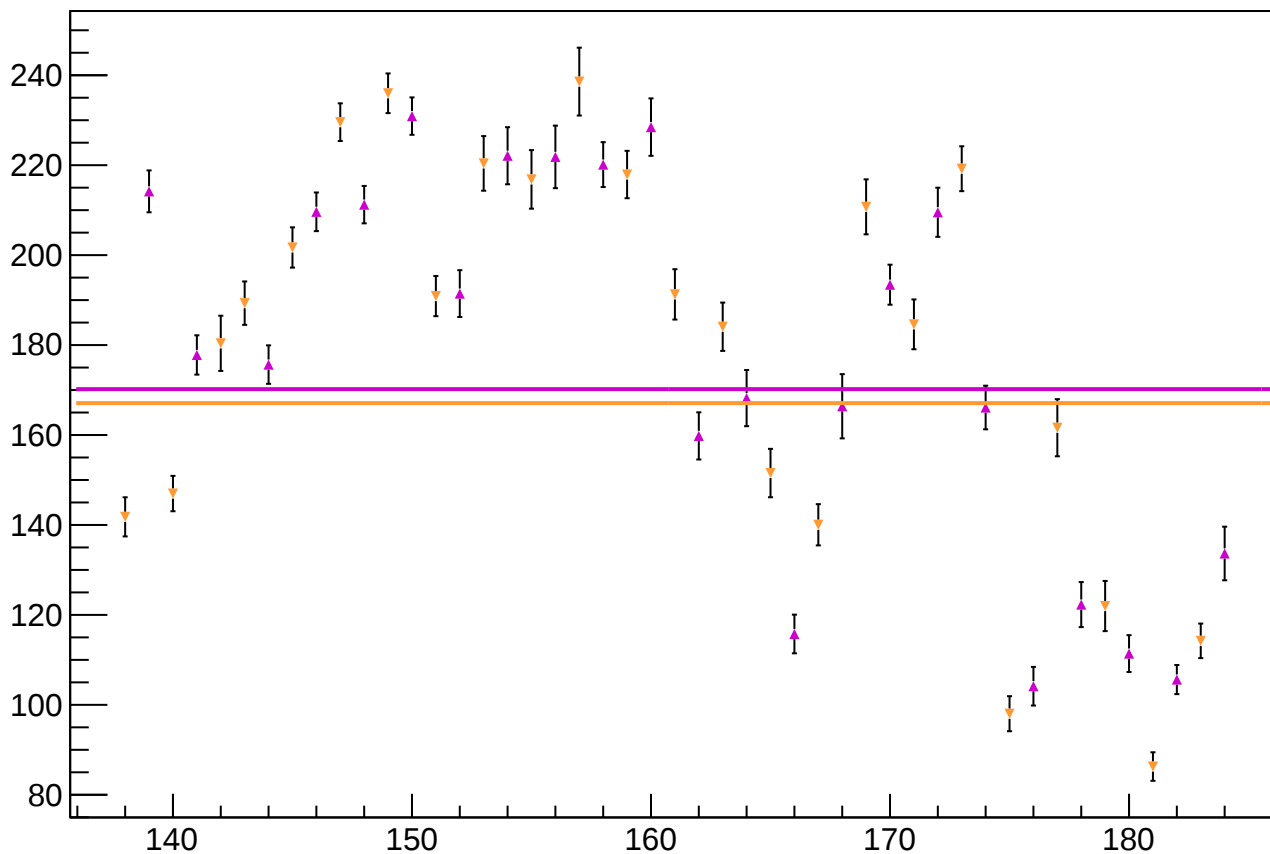
Right: -121.220 $\pm$ 0.061 χ^2 /NDF: 341725.4/35

In: -137.453 $\pm$ 0.040 χ^2 /NDF: 231847.1/39

Out: -136.085 $\pm$ 0.040 χ^2 /NDF: 317988.6/42

All: -136.761 $\pm$ 0.028 χ^2 /NDF: 550420.9/82

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: 167.095+/-0.982 χ^2/NDF :2419.8/23

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: 168.625+/-0.699 χ^2/NDF : 4449.2/46

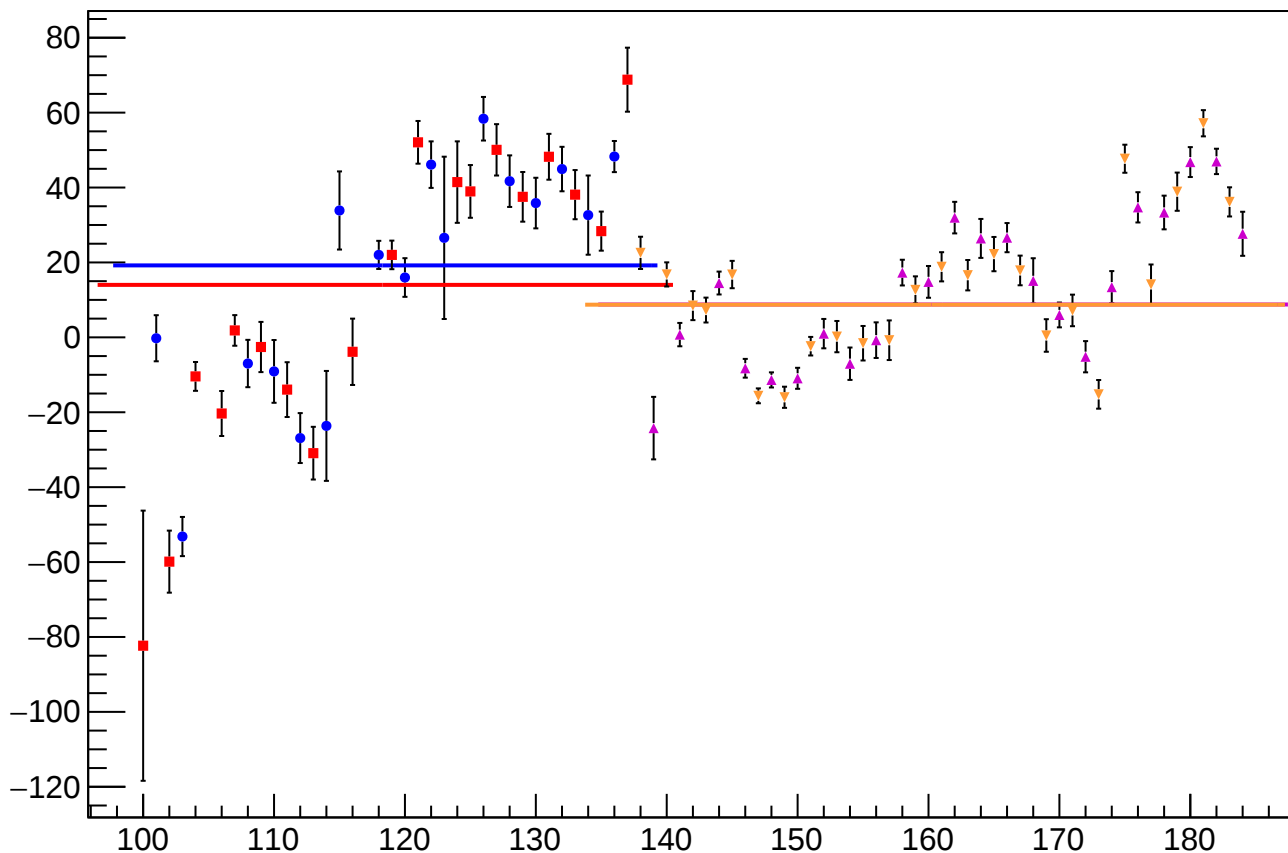
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 170.198+/-0.995 χ^2/NDF :2024.5/22

Out: 167.095+/-0.982 χ^2/NDF :2419.8/23

All: 168.625+/-0.699 χ^2/NDF : 4449.2/46

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.211+/-1.503 χ^2 /NDF: 439.4/16

Left Out: 8.720+/-0.735 χ^2 /NDF:735.1/23

Right Out: 14.009+/-1.391 χ^2 /NDF: 435.5/18

Left In: 8.769+/-0.758 χ^2 /NDF:626.8/22

Left: 8.744+/-0.528 χ^2 /NDF: 1362.0/46

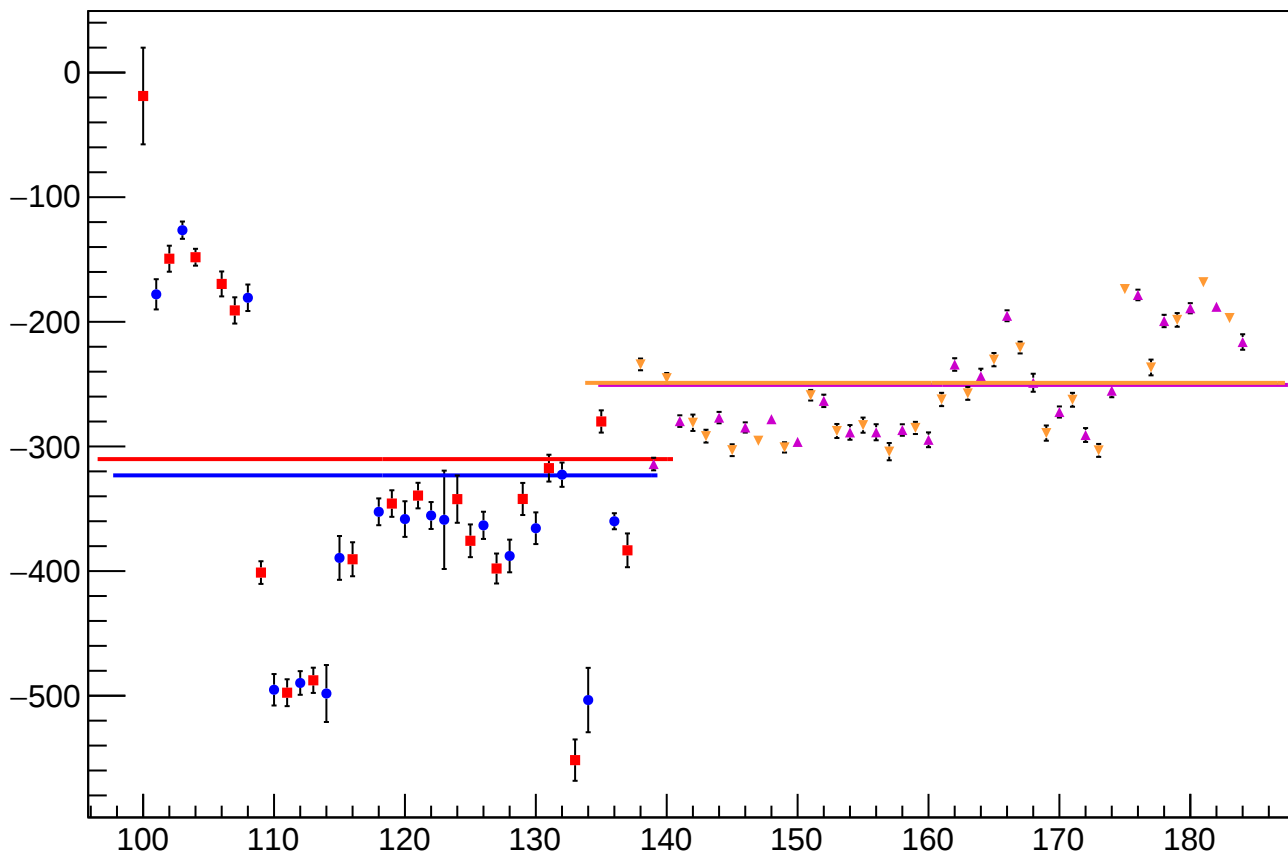
Right: 16.409+/-1.021 χ^2 /NDF: 881.4/35

In: 10.887+/-0.677 χ^2 /NDF:1104.7/39

Out: 9.875+/-0.650 χ^2 /NDF:1182.0/42

All: 10.360+/-0.469 χ^2 /NDF: 2287.8/82

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: -248.979+/-0.983 χ^2/NDF : 2181.7/23

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: -249.797+/-0.698 χ^2/NDF : 4120.2/46

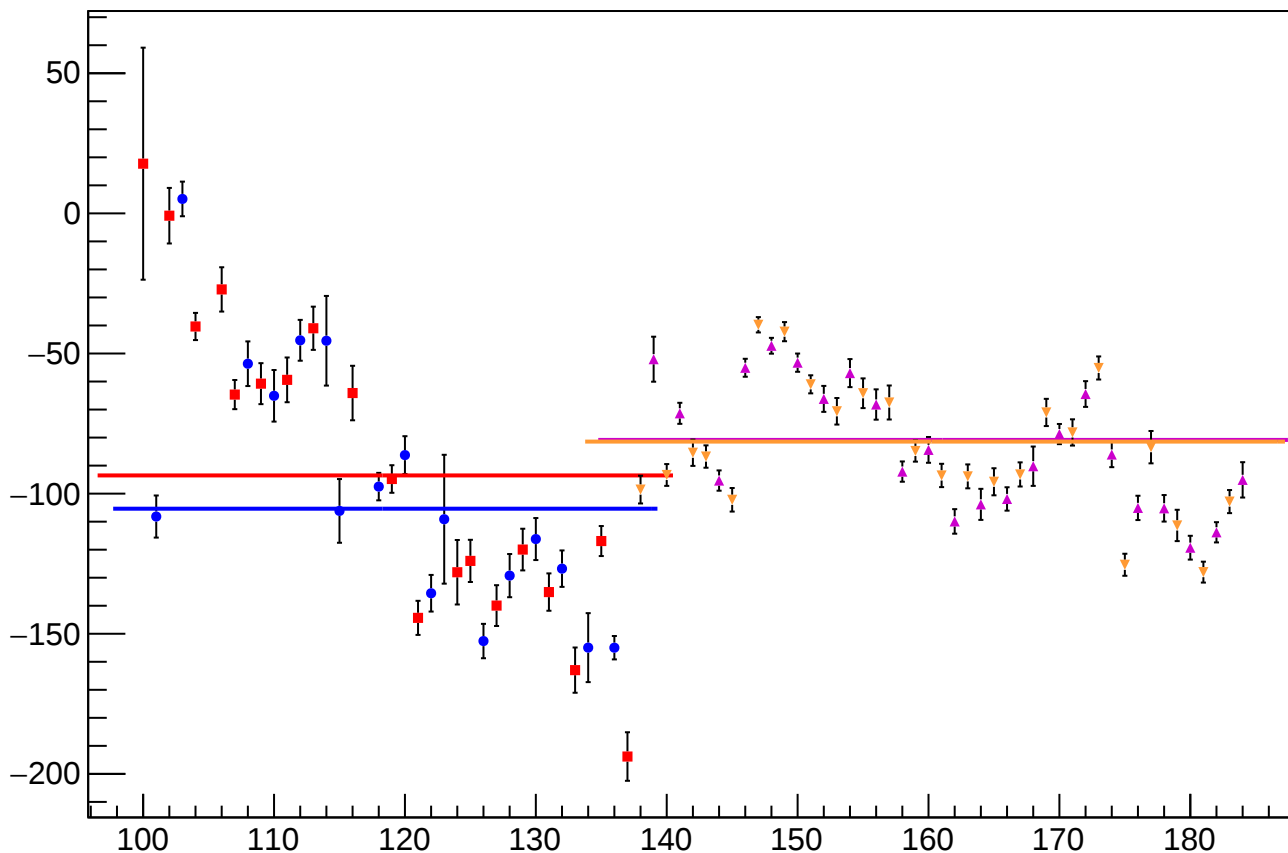
Right: -316.275+/-1.841 χ^2/NDF : 4157.4/35

In: -259.299+/-0.929 χ^2/NDF : 4425.5/39

Out: -257.016+/-0.916 χ^2/NDF : 4988.9/42

All: -258.141+/-0.652 χ^2/NDF : 9417.5/82

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: -81.429 ± 0.852 χ^2/NDF : 889.6/23

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: -81.138 ± 0.609 χ^2/NDF : 1583.0/46

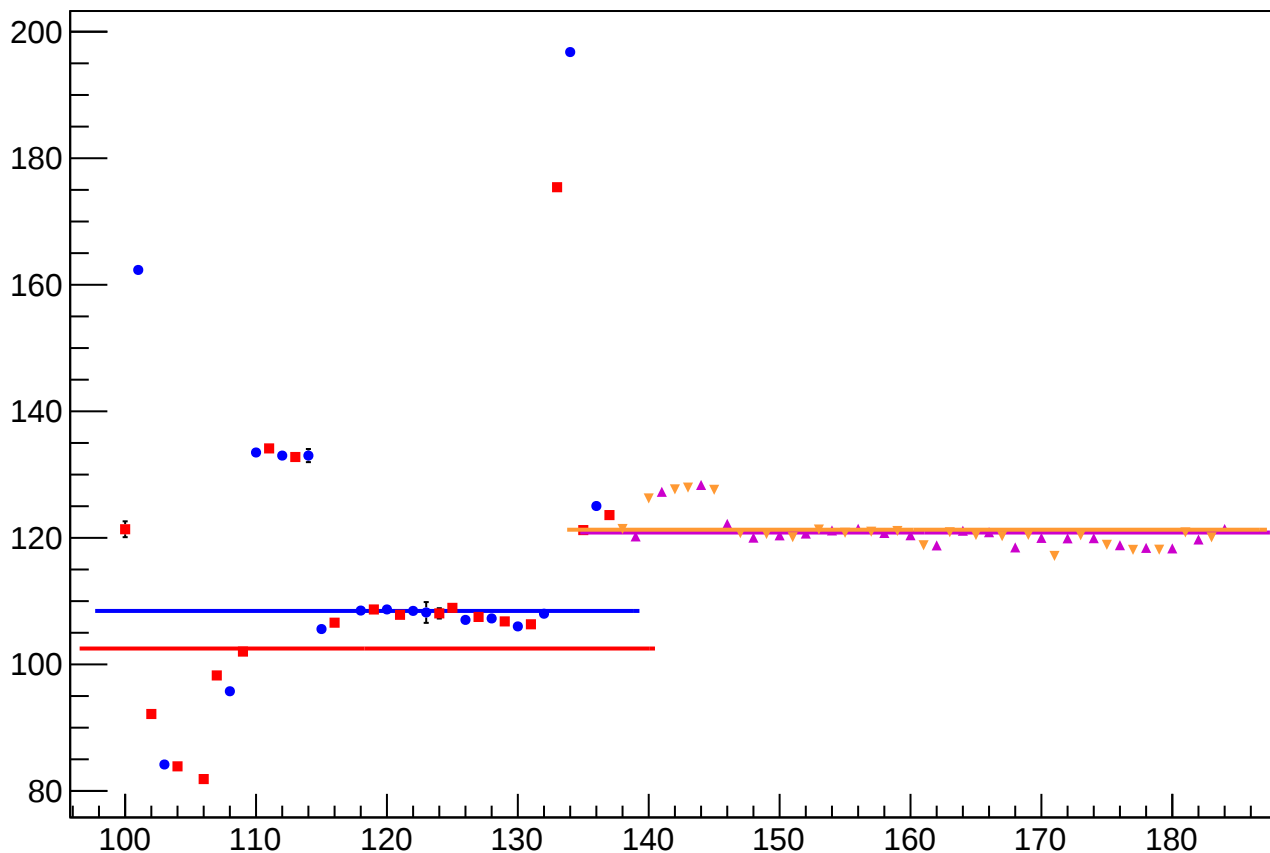
Right: -99.073 ± 1.175 χ^2/NDF : 1584.9/35

In: -85.871 ± 0.777 χ^2/NDF : 1590.5/39

Out: -84.065 ± 0.753 χ^2/NDF : 1758.3/42

All: -84.940 ± 0.541 χ^2/NDF : 3351.5/82

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.450 $\pm$ 0.085 χ^2 /NDF: 73263.0/16

Left Out: 121.290 $\pm$ 0.041 χ^2 /NDF: 4766.9/23

Right Out: 102.510 $\pm$ 0.080 χ^2 /NDF: 52979.9/18

Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

Left: 121.067 $\pm$ 0.029 χ^2 /NDF: 8195.6/46

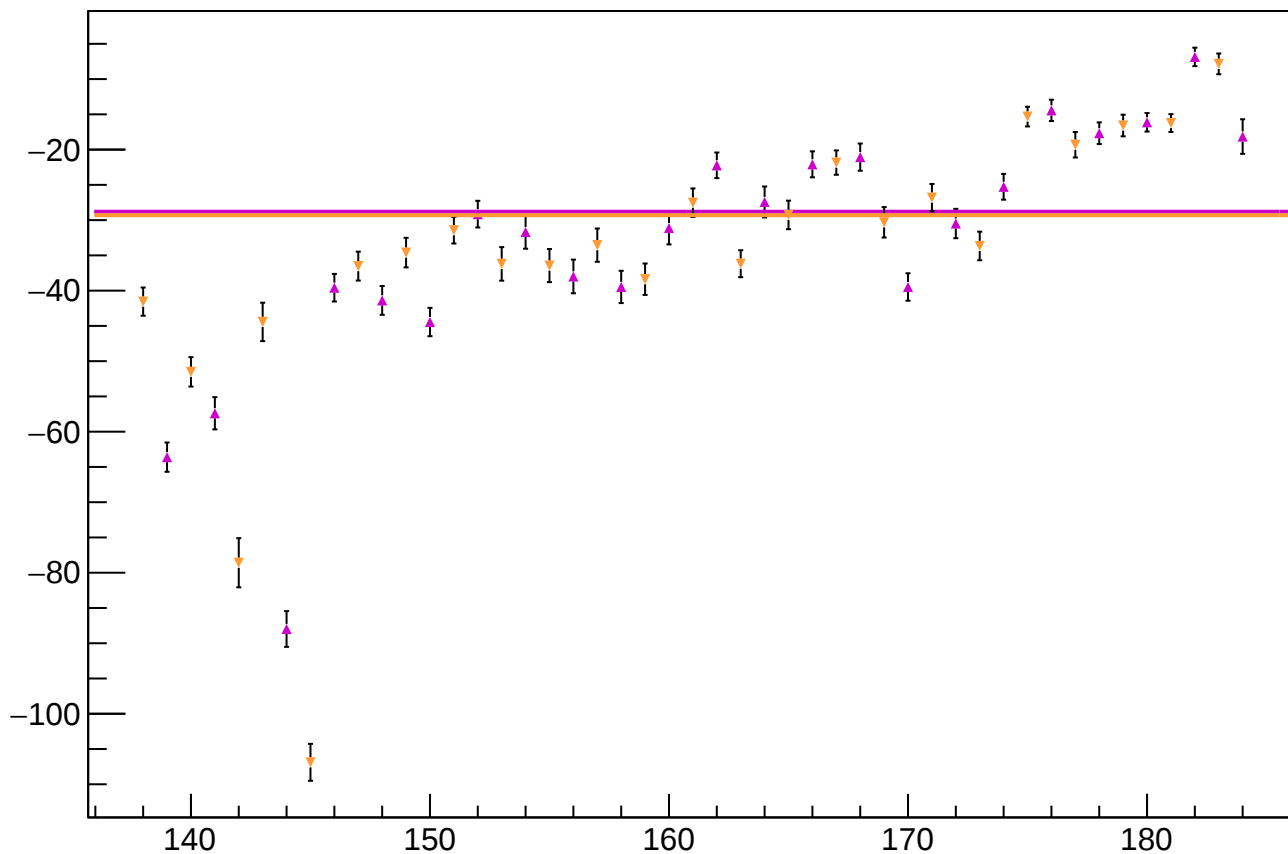
Right: 105.283 $\pm$ 0.058 χ^2 /NDF: 128842.0/35

In: 118.535 $\pm$ 0.037 χ^2 /NDF: 93899.3/39

Out: 117.409 $\pm$ 0.036 χ^2 /NDF: 101901.9/42

All: 117.964 $\pm$ 0.026 χ^2 /NDF: 196279.0/82

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: -29.303+/-0.393 χ^2/NDF :1875.1/23

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: -29.058+/-0.279 χ^2/NDF : 3639.6/46

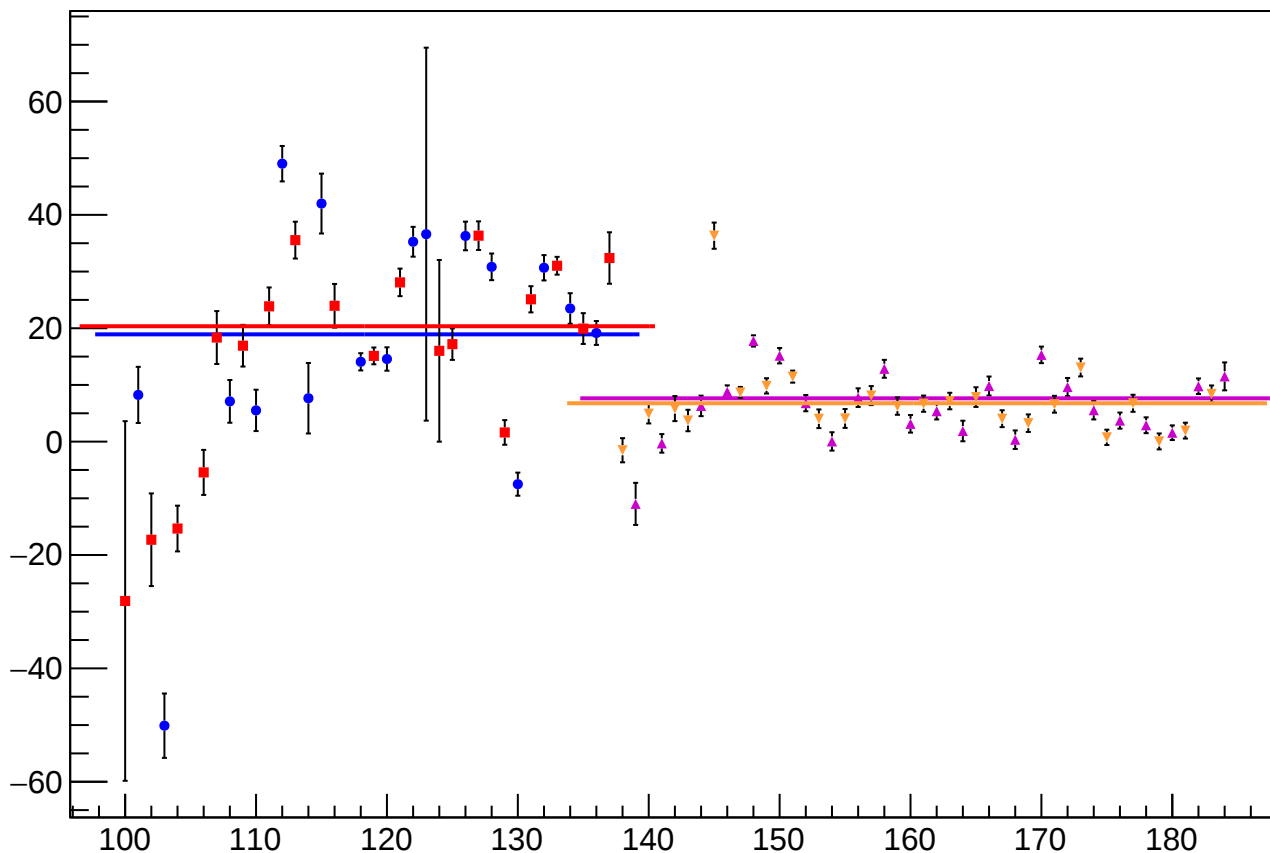
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -28.810+/-0.395 χ^2/NDF :1763.8/22

Out: -29.303+/-0.393 χ^2/NDF :1875.1/23

All: -29.058+/-0.279 χ^2/NDF : 3639.6/46

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: 6.773 $\pm$ 0.306 χ^2 /NDF:298.3/23

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: 7.195 $\pm$ 0.219 χ^2 /NDF: 640.0/46

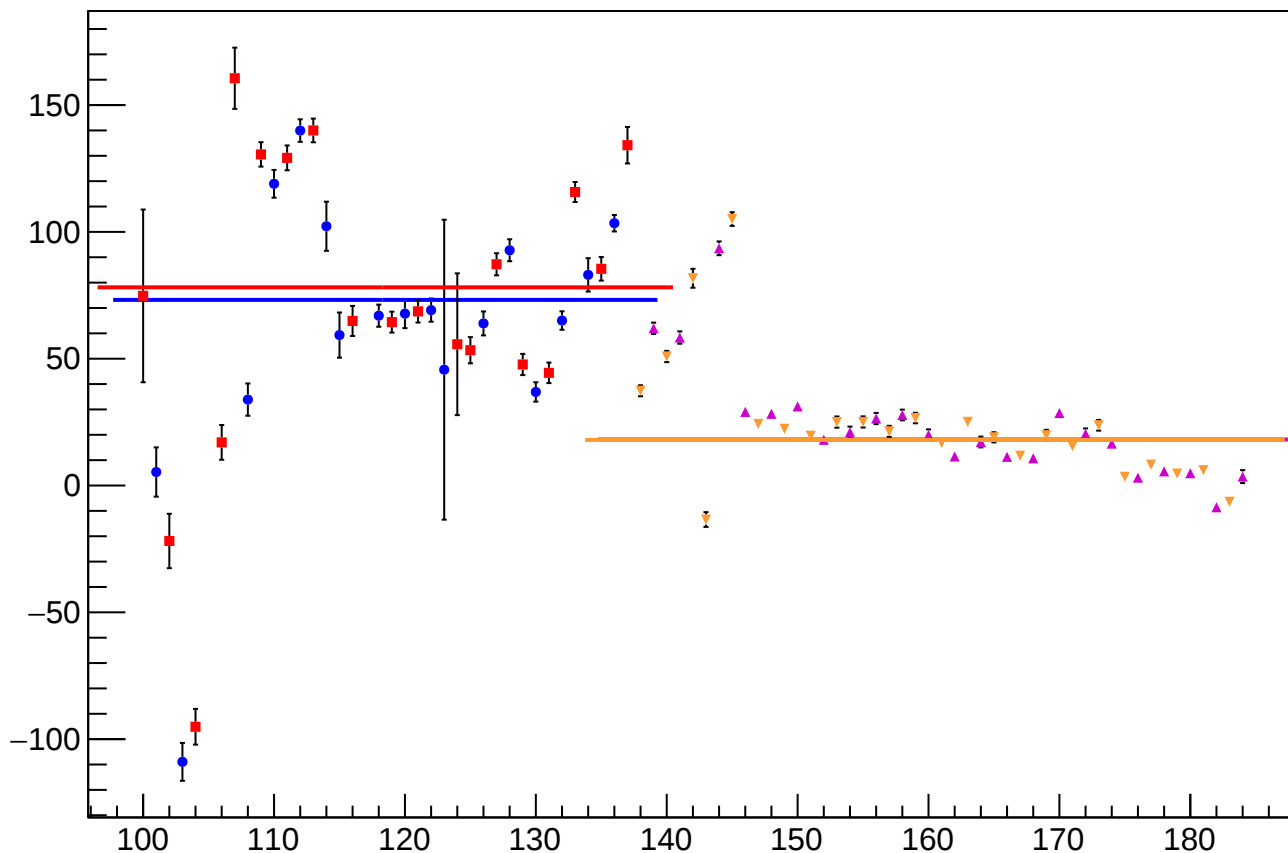
Right: 19.651 $\pm$ 0.459 χ^2 /NDF: 983.3/35

In: 9.747 $\pm$ 0.283 χ^2 /NDF:1196.0/39

Out: 9.276 $\pm$ 0.276 χ^2 /NDF:1026.6/42

All: 9.506 $\pm$ 0.198 χ^2 /NDF: 2224.0/82

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: 17.981 $\pm$ 0.391 χ^2 /NDF:2391.5/23

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: 18.065 $\pm$ 0.277 χ^2 /NDF: 4730.9/46

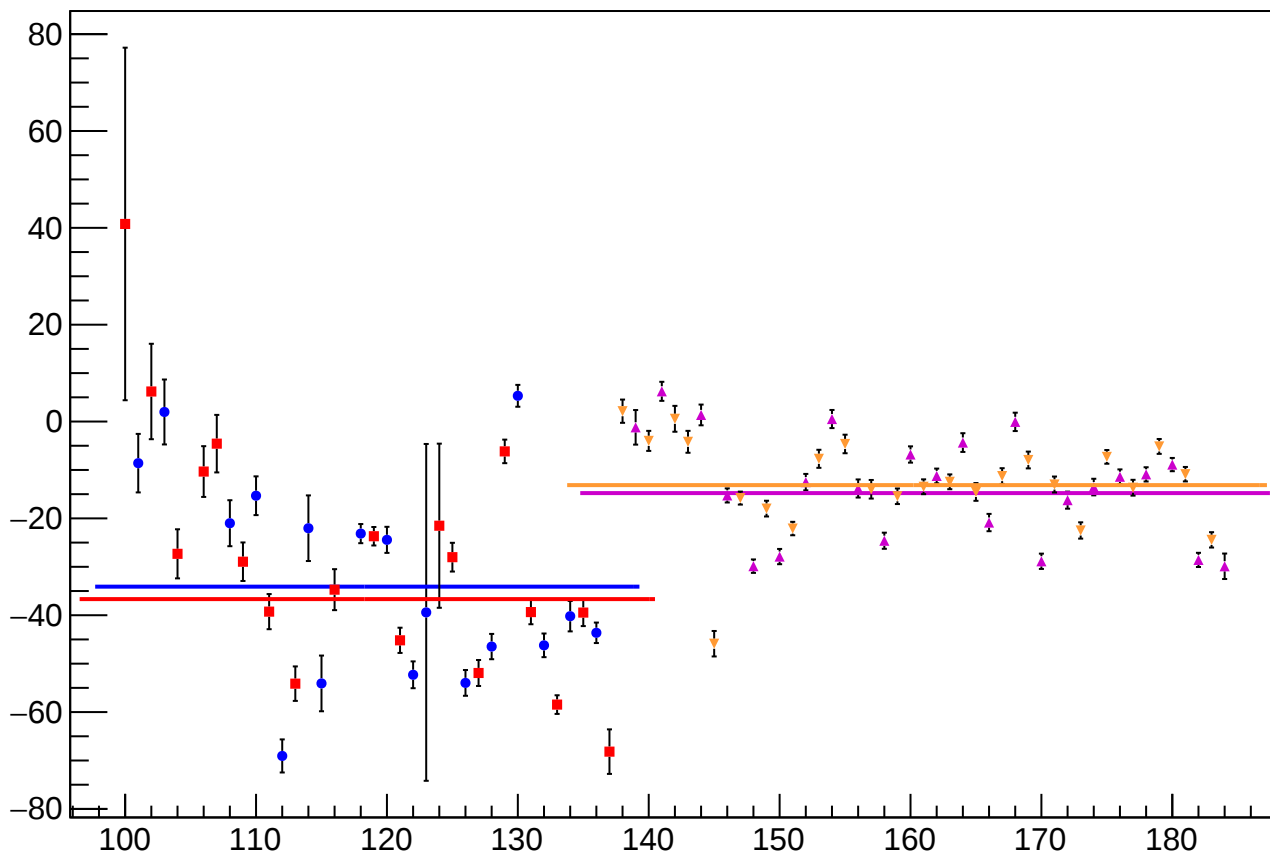
Right: 75.692 $\pm$ 0.871 χ^2 /NDF: 2753.6/35

In: 23.173 $\pm$ 0.374 χ^2 /NDF:5333.0/39

Out: 23.542 $\pm$ 0.372 χ^2 /NDF:6125.6/42

All: 23.358 $\pm$ 0.264 χ^2 /NDF: 11459.2/82

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: -13.130 ± 0.347 χ^2/NDF : 481.3/23

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: -13.938 ± 0.248 χ^2/NDF : 1330.3/46

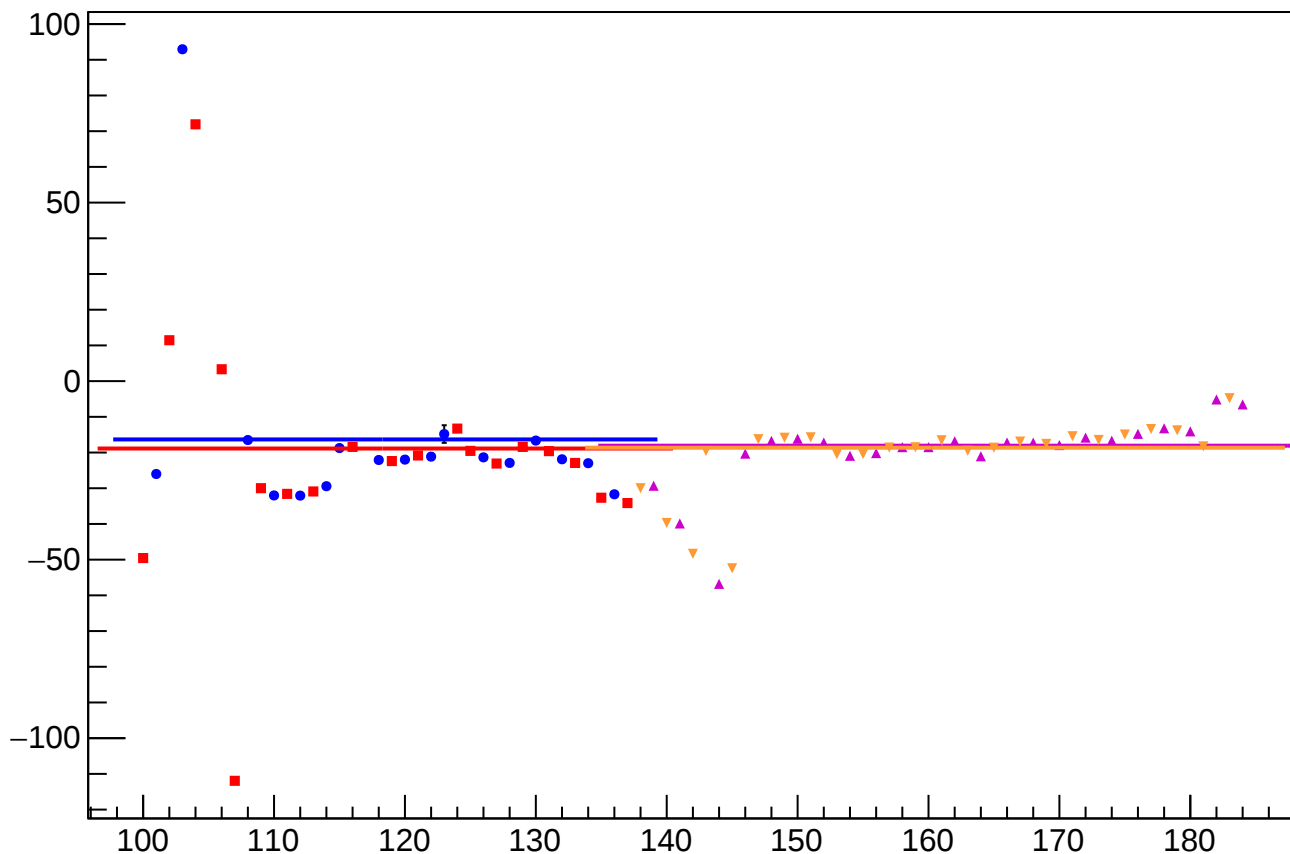
Right: -35.399 ± 0.524 χ^2/NDF : 1263.7/35

In: -18.329 ± 0.320 χ^2/NDF : 2099.9/39

Out: -17.406 ± 0.314 χ^2/NDF : 1858.4/42

All: -17.859 ± 0.224 χ^2/NDF : 3962.5/82

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: -18.645 ± 0.016 $\chi^2/\text{NDF}: 266060.3/23$

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: -18.365 ± 0.011 $\chi^2/\text{NDF}: 508621.9/46$

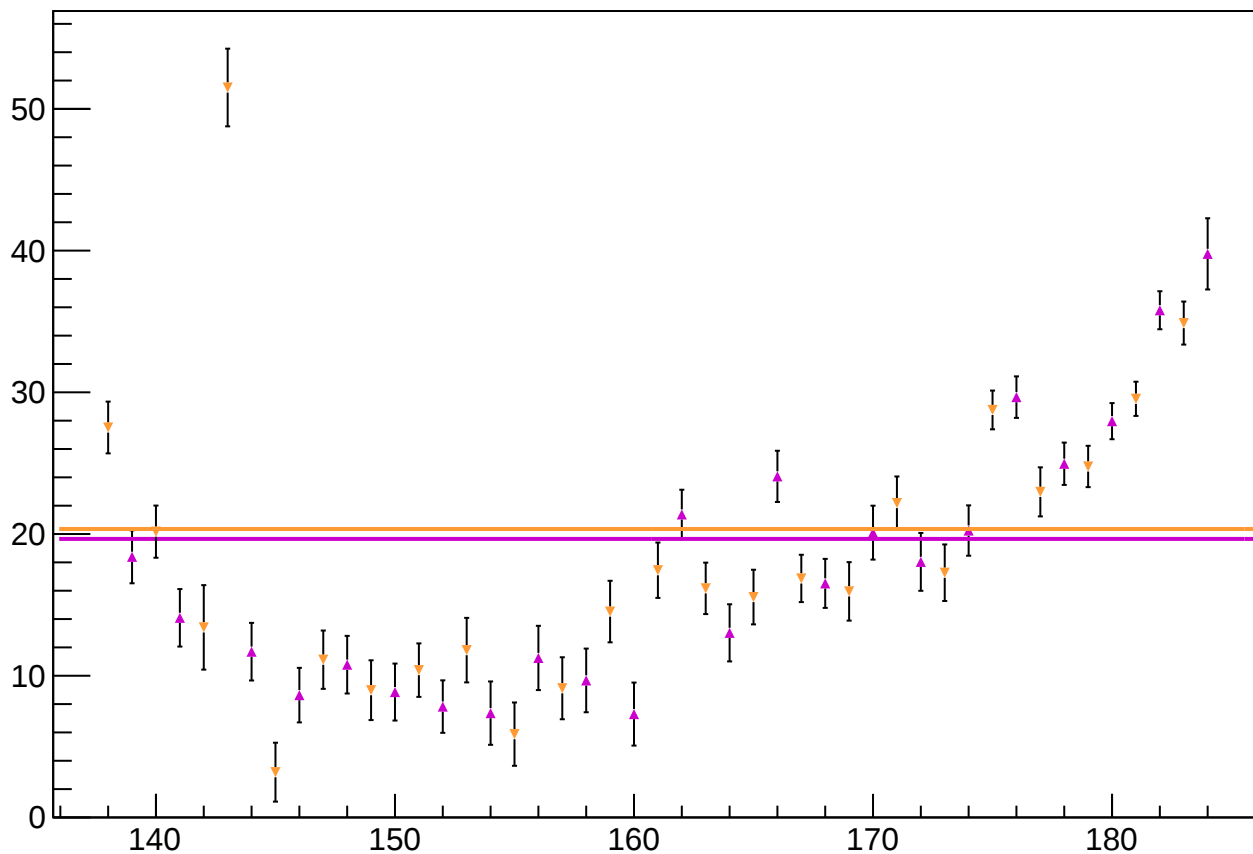
Right: -17.584 ± 0.032 $\chi^2/\text{NDF}: 909491.7/35$

In: -17.882 ± 0.015 $\chi^2/\text{NDF}: 717417.2/39$

Out: -18.671 ± 0.015 $\chi^2/\text{NDF}: 699871.8/42$

All: -18.277 ± 0.011 $\chi^2/\text{NDF}: 1418648.2/82$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 20.356 $\pm$ 0.377 χ^2/NDF :609.6/23
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 19.656 $\pm$ 0.380 χ^2/NDF :571.8/22

Left: 20.009 $\pm$ 0.268 χ^2/NDF : 1183.1/46

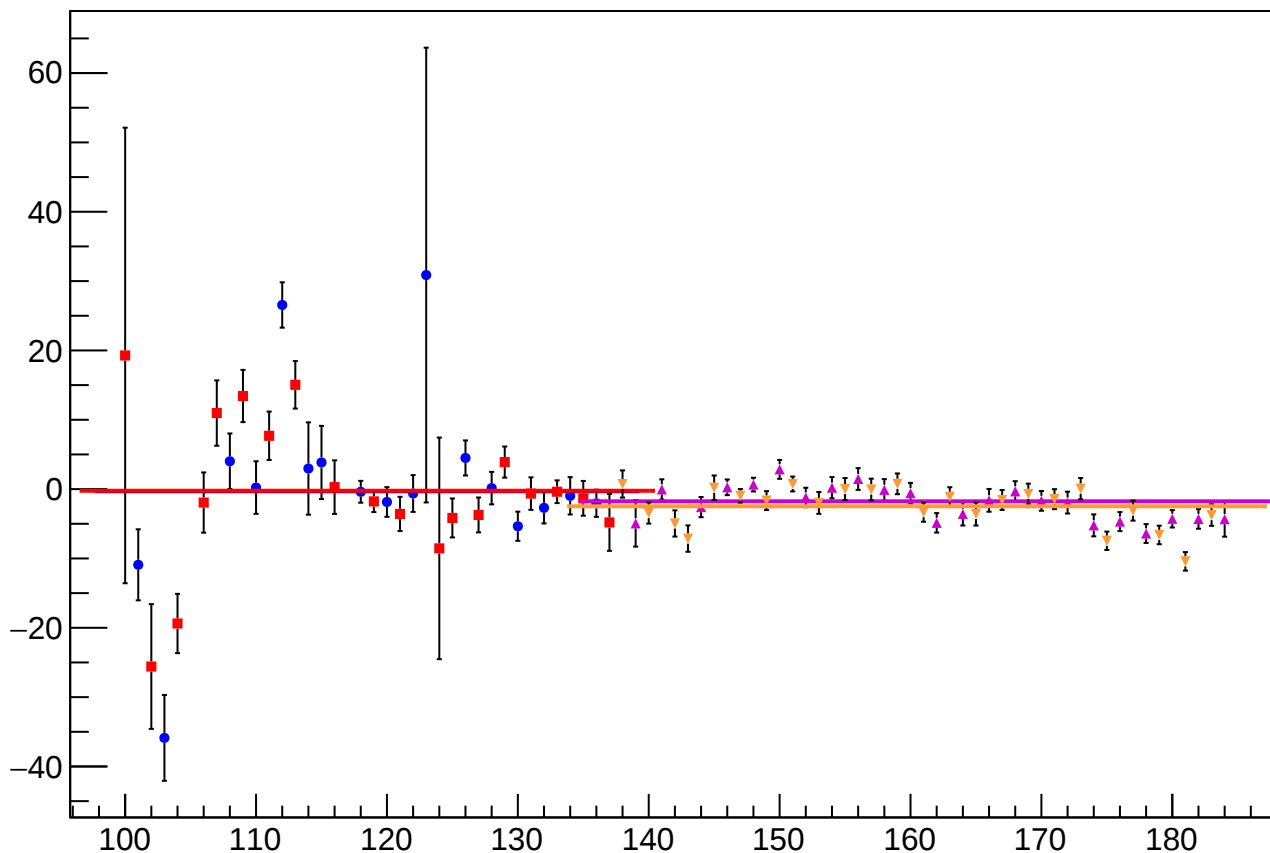
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 19.656 $\pm$ 0.380 χ^2/NDF :571.8/22

Out: 20.356 $\pm$ 0.377 χ^2/NDF :609.6/23

All: 20.009 $\pm$ 0.268 χ^2/NDF : 1183.1/46

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: -2.475 ± 0.295 χ^2/NDF : 101.1/23

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: -2.126 ± 0.211 χ^2/NDF : 171.4/46

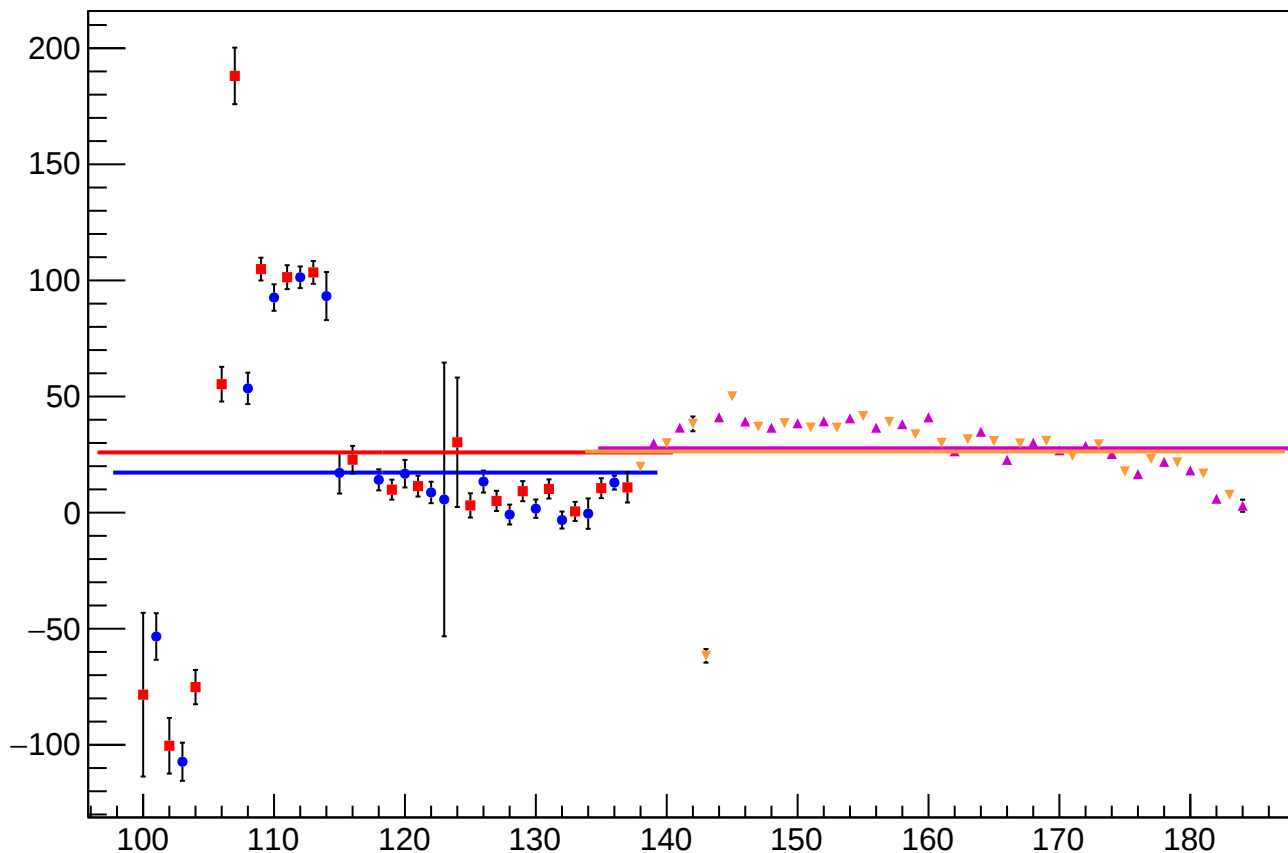
Right: -0.273 ± 0.467 χ^2/NDF : 203.8/35

In: -1.509 ± 0.275 χ^2/NDF : 191.0/39

Out: -2.101 ± 0.269 χ^2/NDF : 195.0/42

All: -1.812 ± 0.192 χ^2/NDF : 388.3/82

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.239+/-1.249 χ^2/NDF : 940.3/16

Left Out: 26.330+/-0.376 χ^2/NDF :1565.5/23

Right Out: 25.926+/-1.246 χ^2/NDF : 1374.8/18

Left In: 27.677+/-0.378 χ^2/NDF :803.9/22

Left: 26.999+/-0.266 χ^2/NDF : 2375.8/46

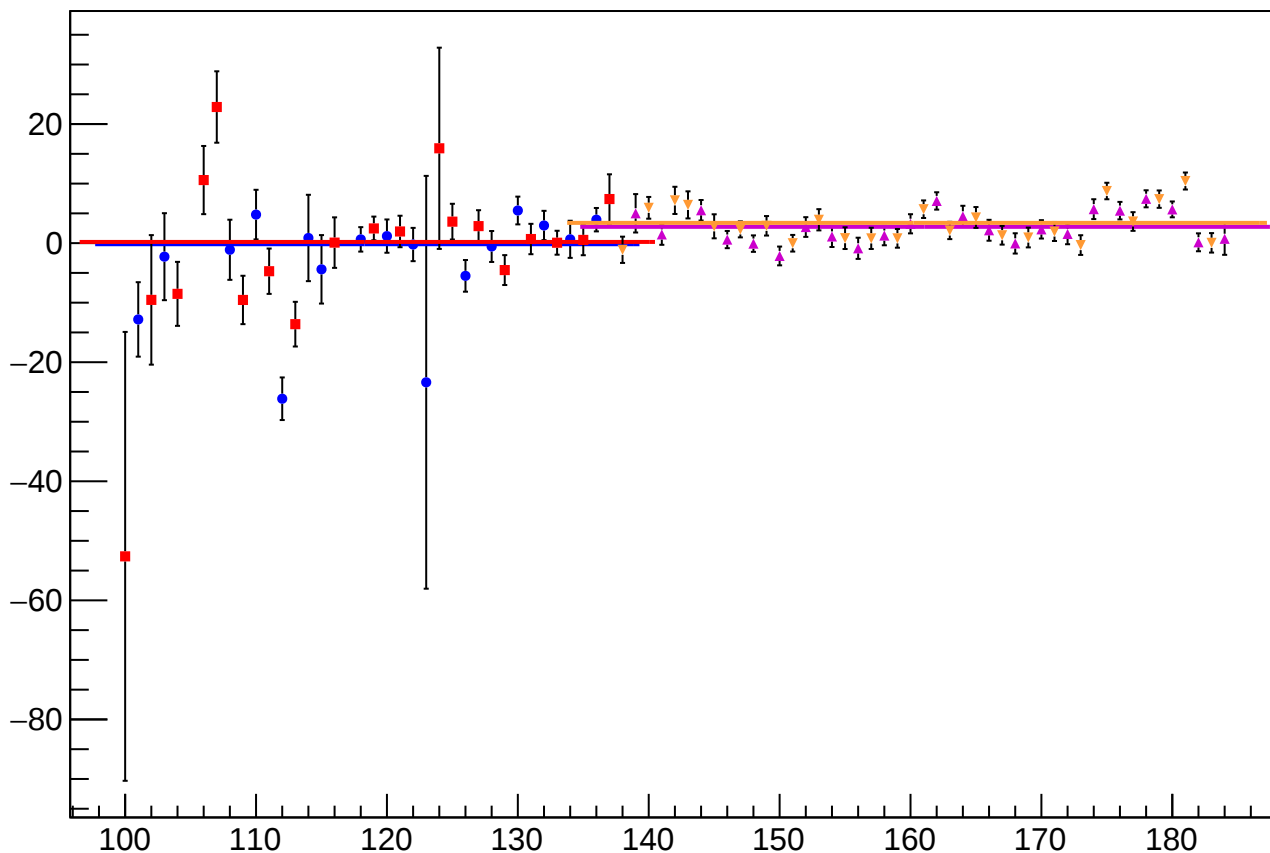
Right: 21.595+/-0.882 χ^2/NDF : 2339.4/35

In: 26.800+/-0.362 χ^2/NDF :1808.2/39

Out: 26.297+/-0.360 χ^2/NDF :2940.4/42

All: 26.547+/-0.255 χ^2/NDF : 4749.6/82

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: 3.404 ± 0.334 χ^2/NDF : 88.5/23

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: 3.078 ± 0.239 χ^2/NDF : 154.9/46

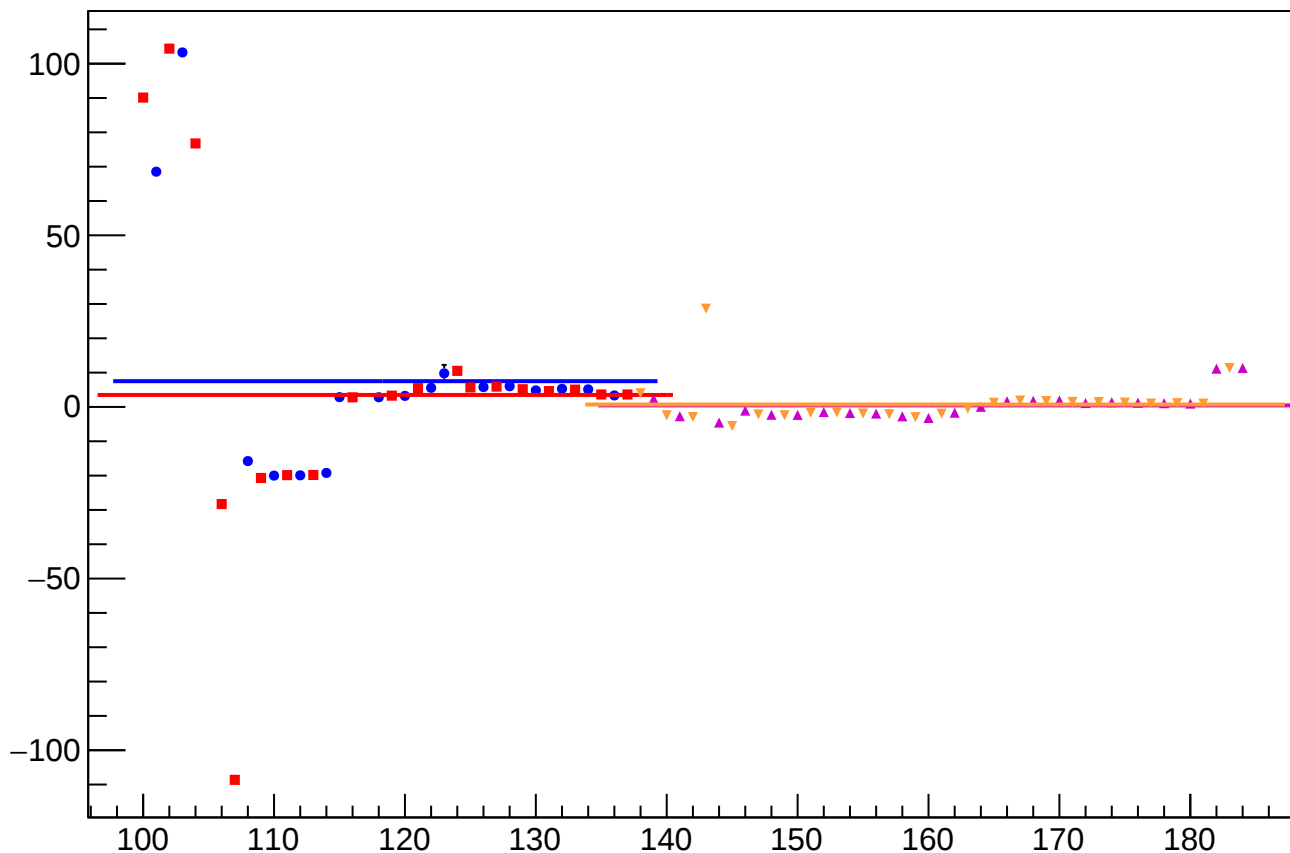
Right: 0.010 ± 0.531 χ^2/NDF : 131.2/35

In: 2.241 ± 0.311 χ^2/NDF : 152.6/39

Out: 2.873 ± 0.305 χ^2/NDF : 159.1/42

All: 2.563 ± 0.218 χ^2/NDF : 313.9/82

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.507 $\pm$ 0.045 χ^2 /NDF: 355810.5/16

Left Out: 0.717 $\pm$ 0.015 χ^2 /NDF:100431.5/23

Right Out: 3.499 $\pm$ 0.046 χ^2 /NDF: 510576.0/18

Left In: 0.451 $\pm$ 0.015 χ^2 /NDF:50699.8/22

Left: 0.585 $\pm$ 0.011 χ^2 /NDF: 151279.9/46

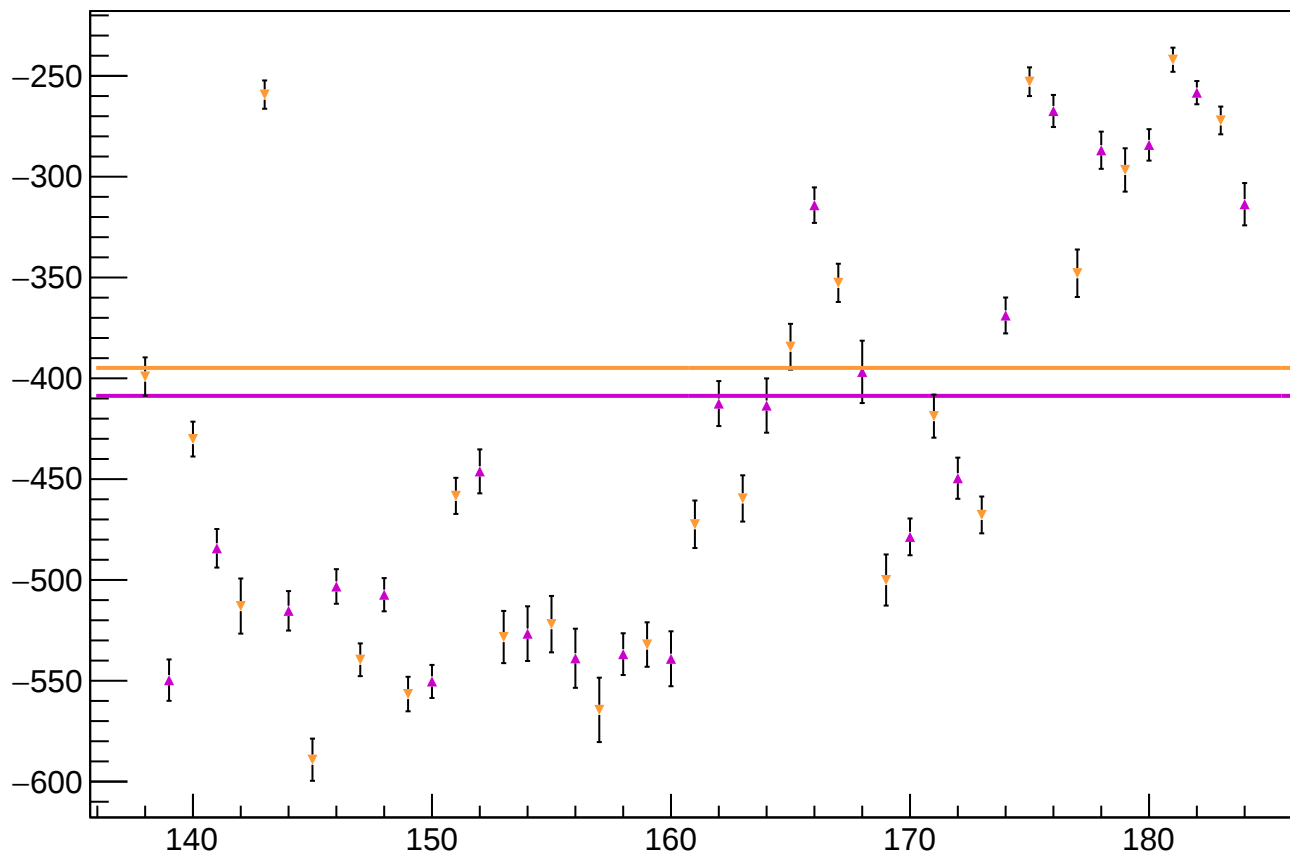
Right: 5.547 $\pm$ 0.032 χ^2 /NDF: 870320.0/35

In: 1.203 $\pm$ 0.015 χ^2 /NDF:428786.7/39

Out: 0.999 $\pm$ 0.015 χ^2 /NDF:614339.1/42

All: 1.101 $\pm$ 0.010 χ^2 /NDF: 1043224.1/82

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: -394.832 ± 1.928 χ^2/NDF : 3692.1/23

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: -401.583 ± 1.381 χ^2/NDF : 6780.2/46

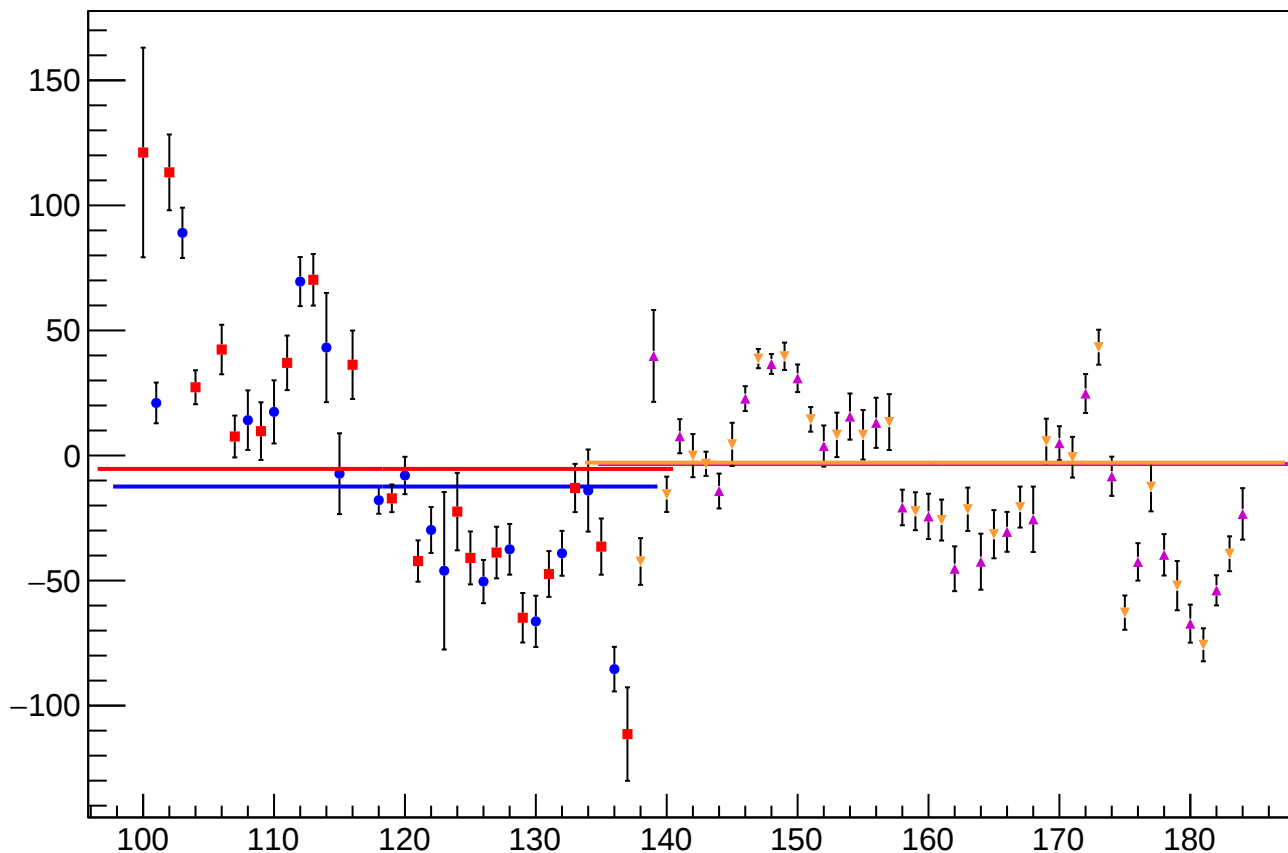
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -408.696 ± 1.979 χ^2/NDF : 3062.9/22

Out: -394.832 ± 1.928 χ^2/NDF : 3692.1/23

All: -401.583 ± 1.381 χ^2/NDF : 6780.2/46

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: -2.840 ± 1.445 χ^2/NDF : 545.4/23

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: -3.115 ± 1.047 χ^2/NDF : 996.5/46

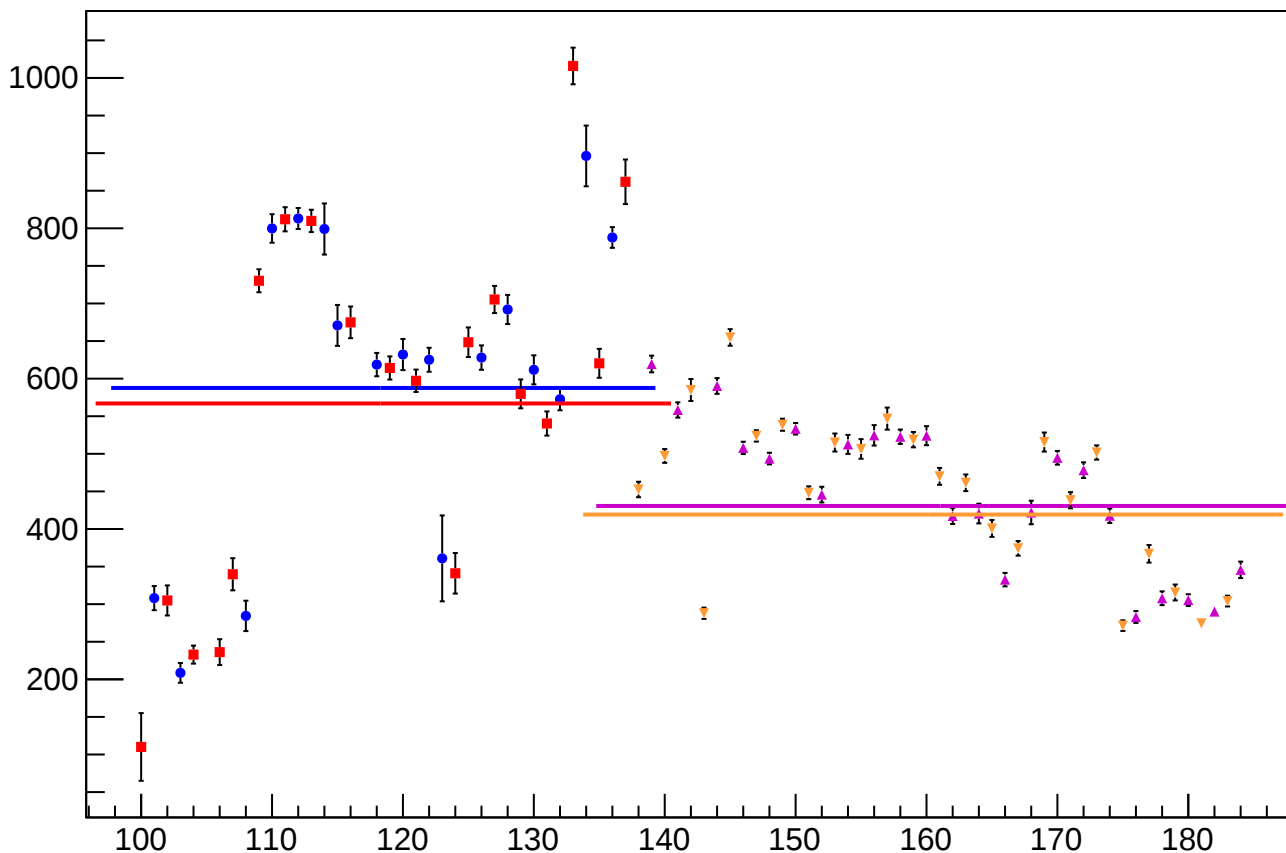
Right: -8.741 ± 1.631 χ^2/NDF : 689.4/35

In: -6.066 ± 1.277 χ^2/NDF : 801.9/39

Out: -3.570 ± 1.218 χ^2/NDF : 890.4/42

All: -4.759 ± 0.881 χ^2/NDF : 1694.3/82

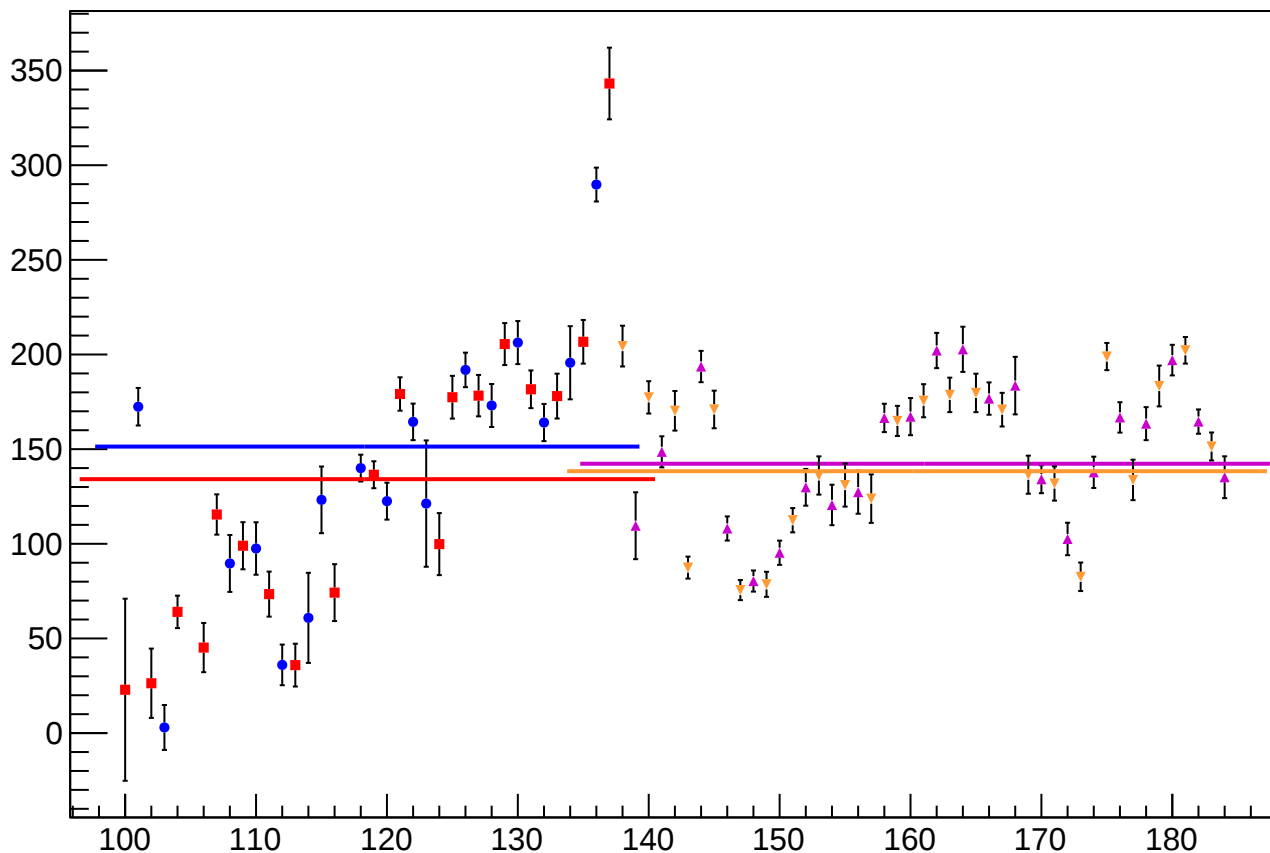
reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: 424.798 $\pm$ 1.380 χ^2/NDF : 6090.0/46
 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: 445.602 $\pm$ 1.752 χ^2/NDF : 7050.0/42
 All: 451.283 $\pm$ 1.254 χ^2/NDF : 13125.1/82

Right In: 587.620 $\pm$ 4.361 χ^2/NDF : 2127.1/16
 Left Out: 419.178 $\pm$ 1.933 χ^2/NDF : 3222.2/23
 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

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: 138.356 $\pm$ 1.676 χ^2 /NDF:703.7/23

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: 140.247 $\pm$ 1.209 χ^2 /NDF: 1166.1/46

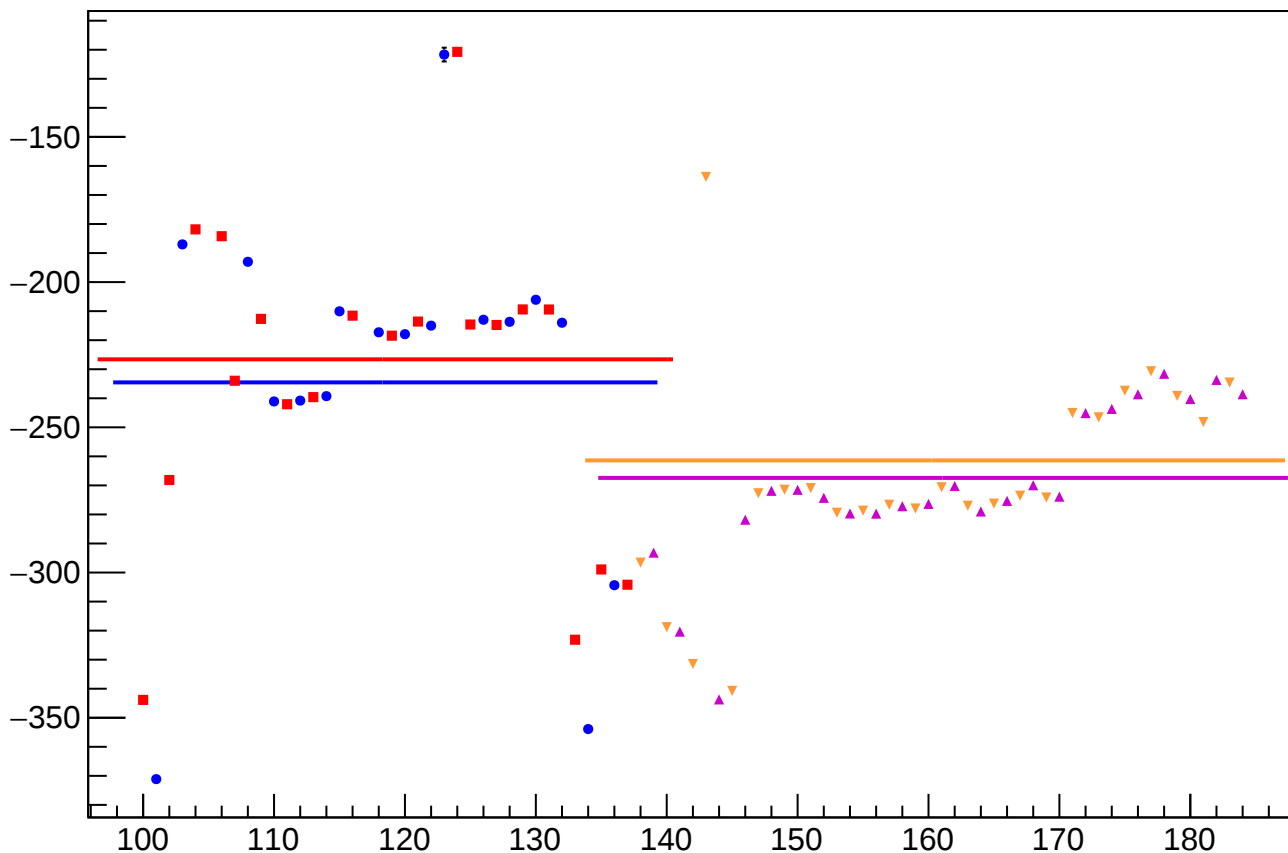
Right: 142.445 $\pm$ 1.885 χ^2 /NDF: 1235.9/35

In: 144.945 $\pm$ 1.468 χ^2 /NDF:1099.9/39

Out: 137.133 $\pm$ 1.412 χ^2 /NDF:1288.4/42

All: 140.888 $\pm$ 1.018 χ^2 /NDF: 2403.0/82

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: -261.390+/-0.081 χ^2/NDF : 217144.6/23

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: -264.360+/-0.057 χ^2/NDF : 317942.4/46

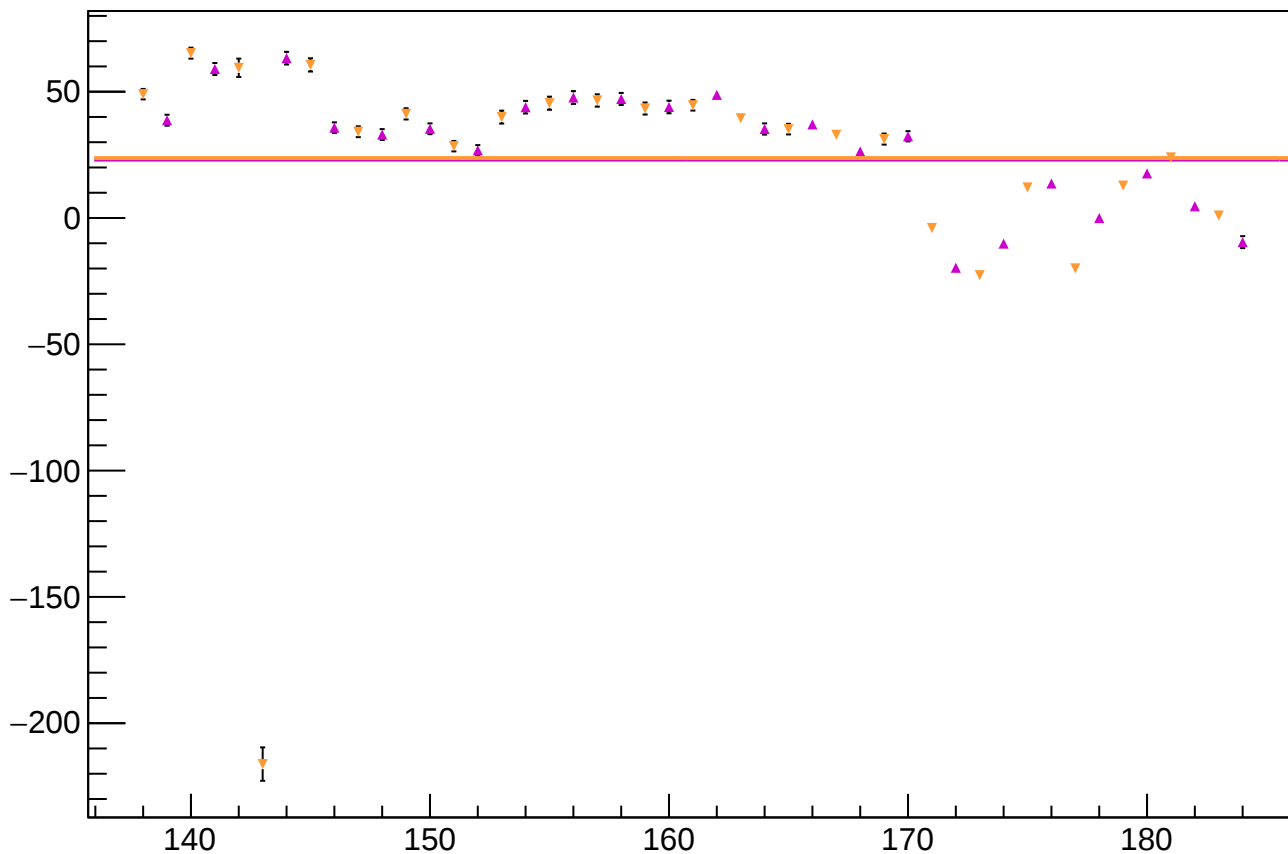
Right: -230.352+/-0.103 χ^2/NDF : 245477.8/35

In: -259.835+/-0.072 χ^2/NDF : 280430.2/39

Out: -252.883+/-0.070 χ^2/NDF : 361784.1/42

All: -256.278+/-0.050 χ^2/NDF : 647033.1/82

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: 23.716+/-0.403 χ^2/NDF :4384.2/23

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: 23.425+/-0.284 χ^2/NDF : 7130.0/46

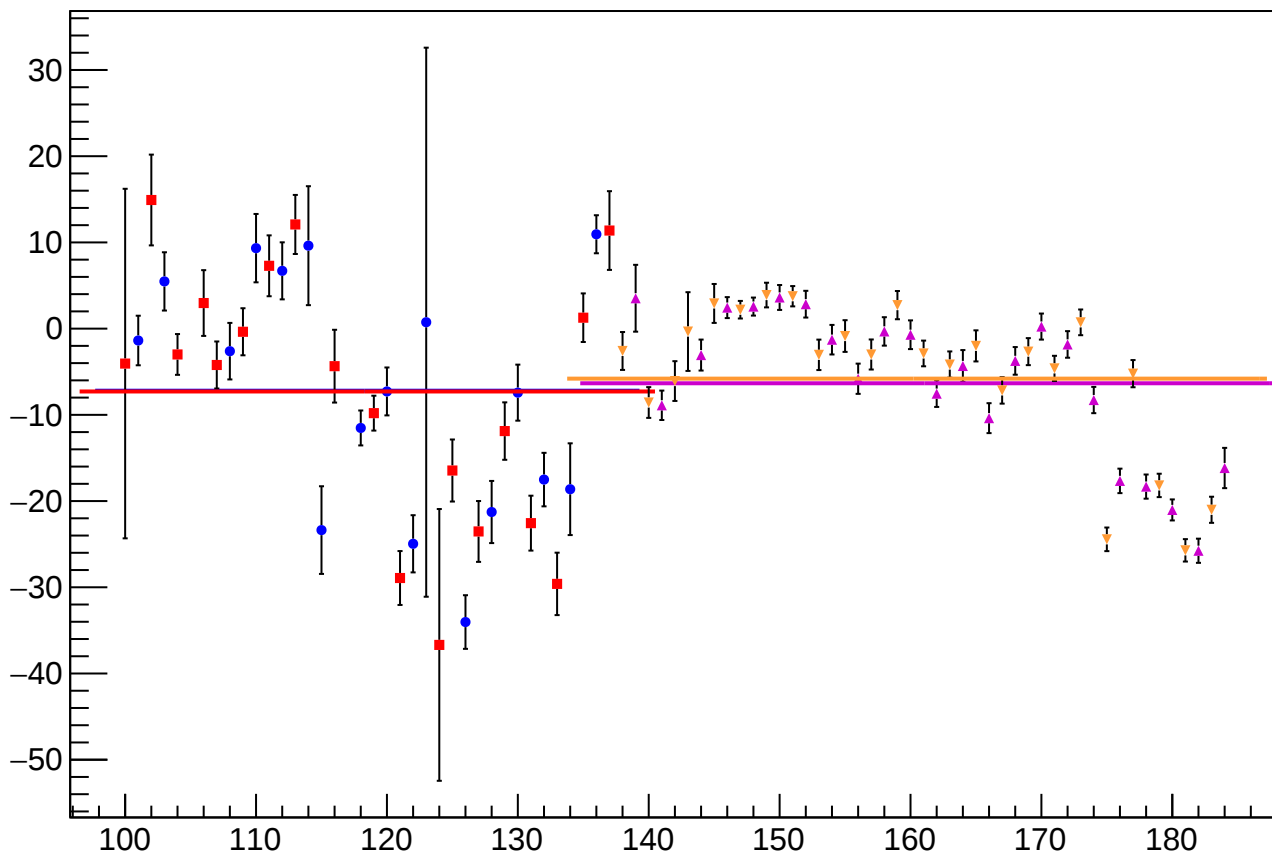
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 23.136+/-0.401 χ^2/NDF :2744.7/22

Out: 23.716+/-0.403 χ^2/NDF :4384.2/23

All: 23.425+/-0.284 χ^2/NDF : 7130.0/46

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.201 ± 0.790 χ^2/NDF : 277.5/16

Left Out: -5.799 ± 0.318 χ^2/NDF : 872.2/23

Right Out: -7.289 ± 0.762 χ^2/NDF : 255.0/18

Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

Left: -6.065 ± 0.226 χ^2/NDF : 1656.6/46

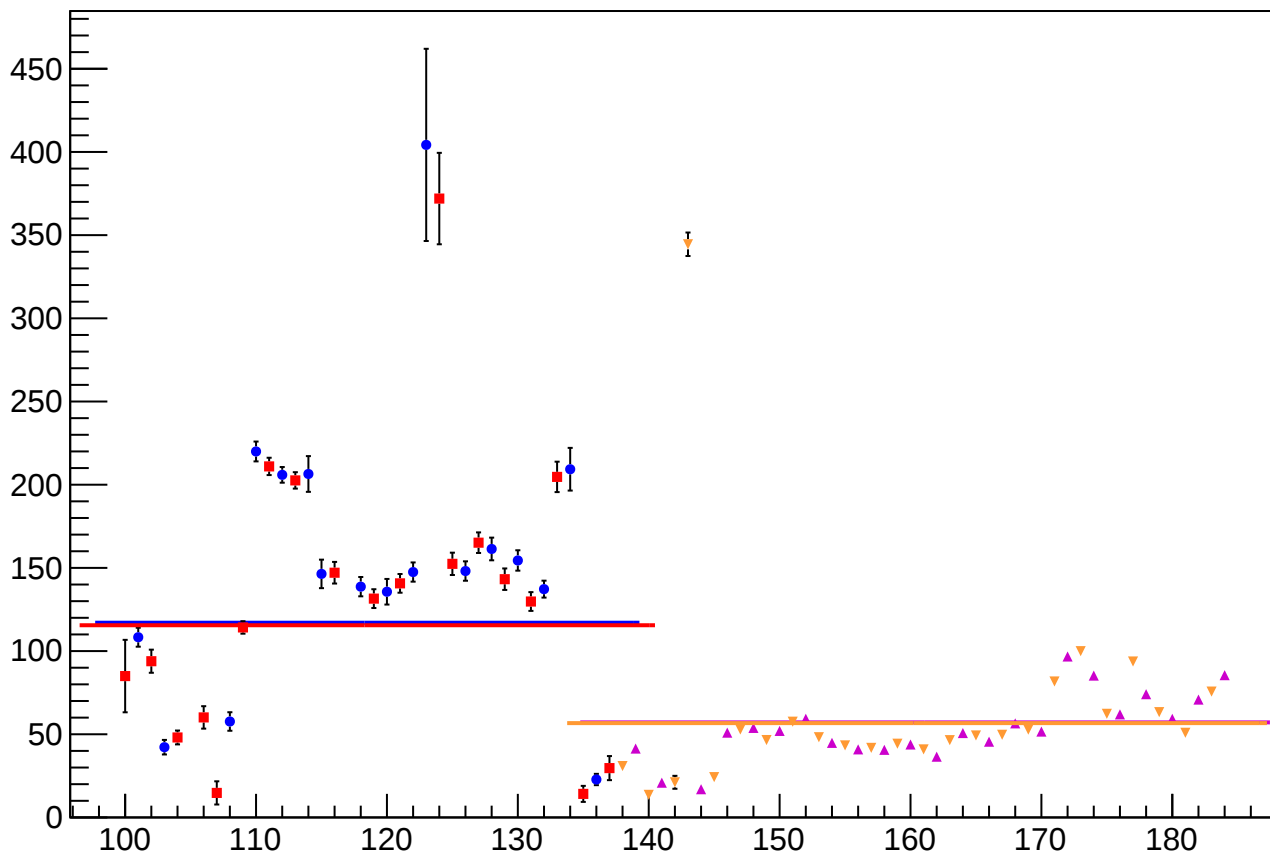
Right: -7.247 ± 0.548 χ^2/NDF : 532.5/35

In: -6.459 ± 0.298 χ^2/NDF : 1061.5/39

Out: -6.020 ± 0.293 χ^2/NDF : 1130.4/42

All: -6.237 ± 0.209 χ^2/NDF : 2193.0/82

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: 56.702 $\pm$ 0.401 χ^2 /NDF:3861.1/23

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: 56.921 $\pm$ 0.283 χ^2 /NDF: 5665.1/46

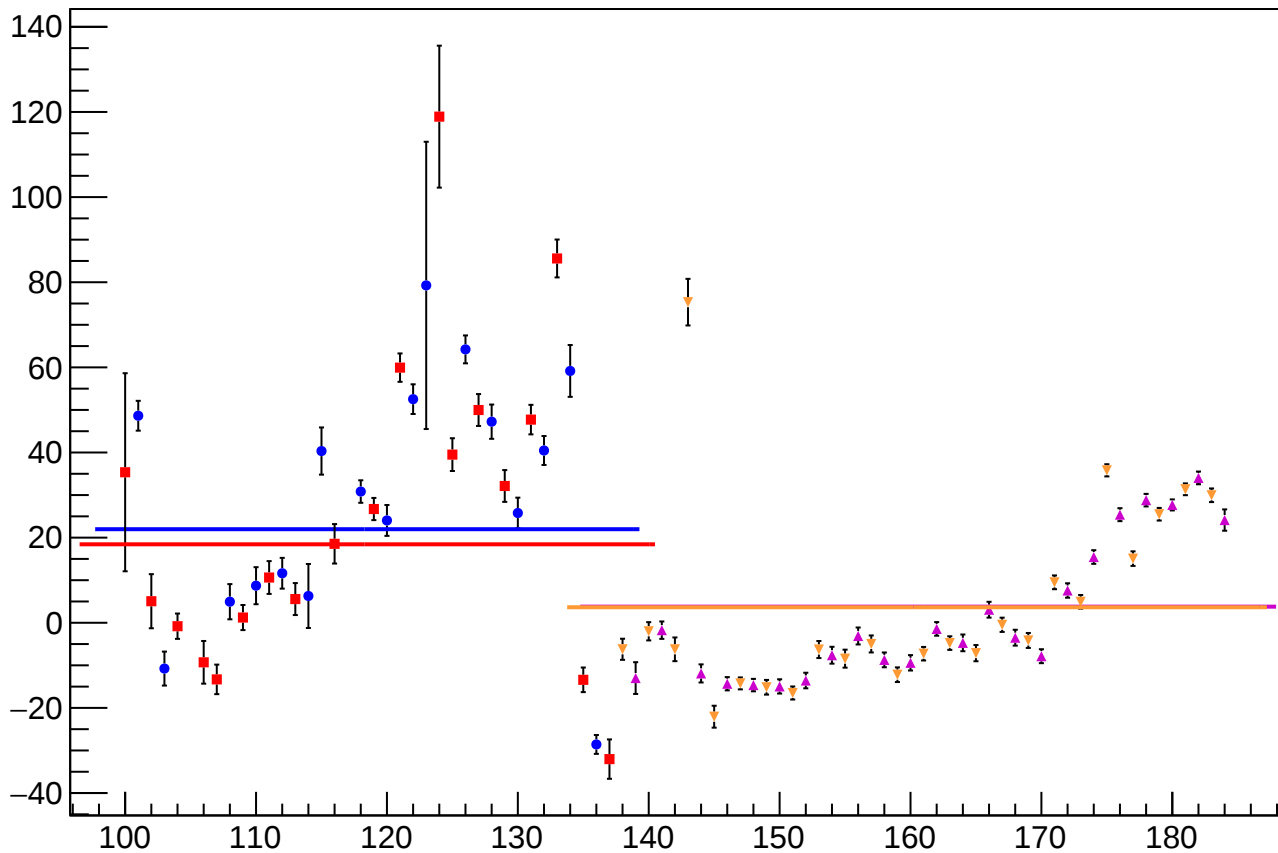
Right: 116.257 $\pm$ 0.983 χ^2 /NDF: 4295.2/35

In: 61.539 $\pm$ 0.385 χ^2 /NDF:5613.3/39

Out: 61.397 $\pm$ 0.385 χ^2 /NDF:7710.9/42

All: 61.468 $\pm$ 0.272 χ^2 /NDF: 13324.3/82

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: 3.647 $\pm$ 0.360 χ^2 /NDF:2500.8/23

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: 3.716 $\pm$ 0.255 χ^2 /NDF: 4699.7/46

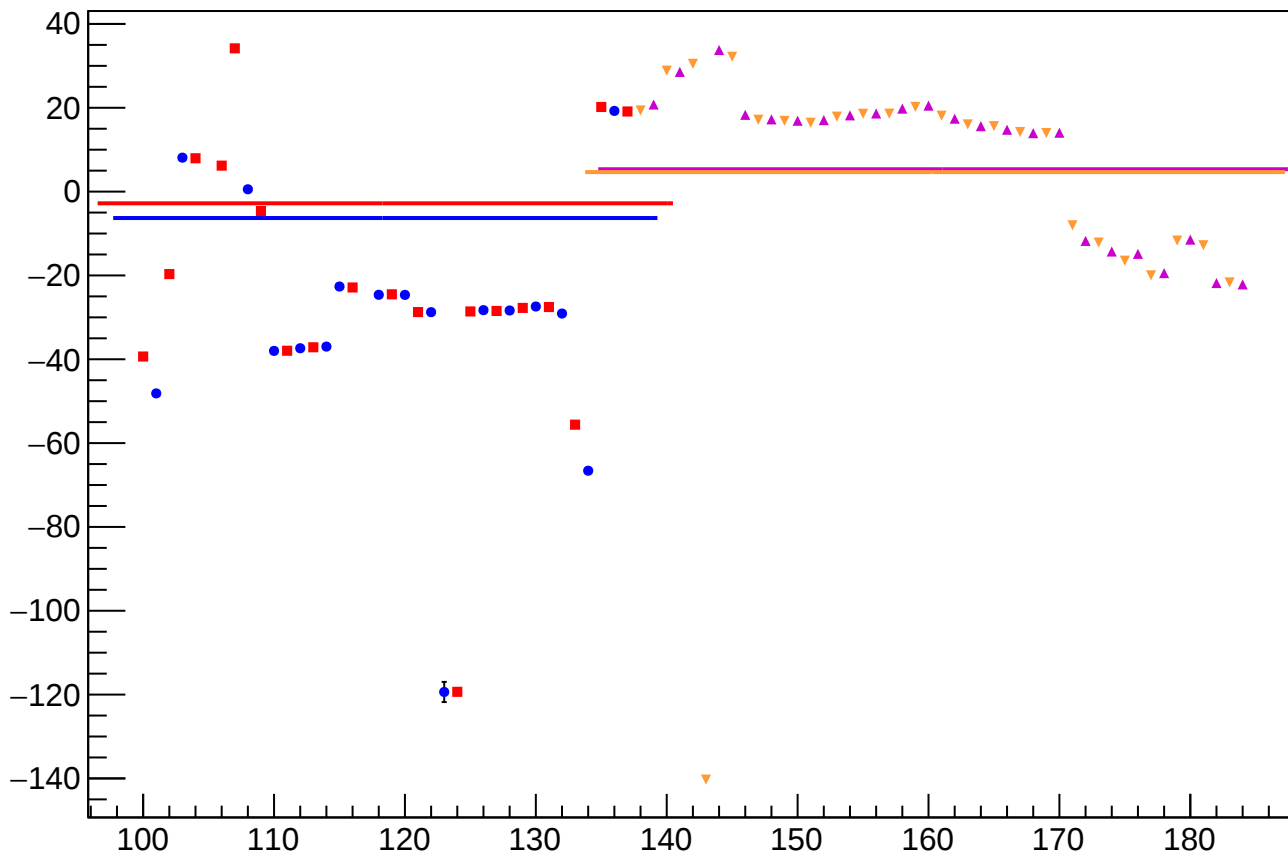
Right: 20.151 $\pm$ 0.627 χ^2 /NDF: 2135.2/35

In: 6.315 $\pm$ 0.336 χ^2 /NDF:3611.7/39

Out: 5.794 $\pm$ 0.333 χ^2 /NDF:3812.2/42

All: 6.052 $\pm$ 0.236 χ^2 /NDF: 7425.2/82

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Left: 4.998 ± 0.012 $\chi^2/\text{NDF}: 2369680.4/46$

Right: -4.527 ± 0.033 $\chi^2/\text{NDF}: 532023.6/35$

In: 4.038 ± 0.015 $\chi^2/\text{NDF}: 1397910.0/39$

Out: 3.794 ± 0.016 $\chi^2/\text{NDF}: 1579434.1/42$

All: 3.916 ± 0.011 $\chi^2/\text{NDF}: 2977467.5/82$

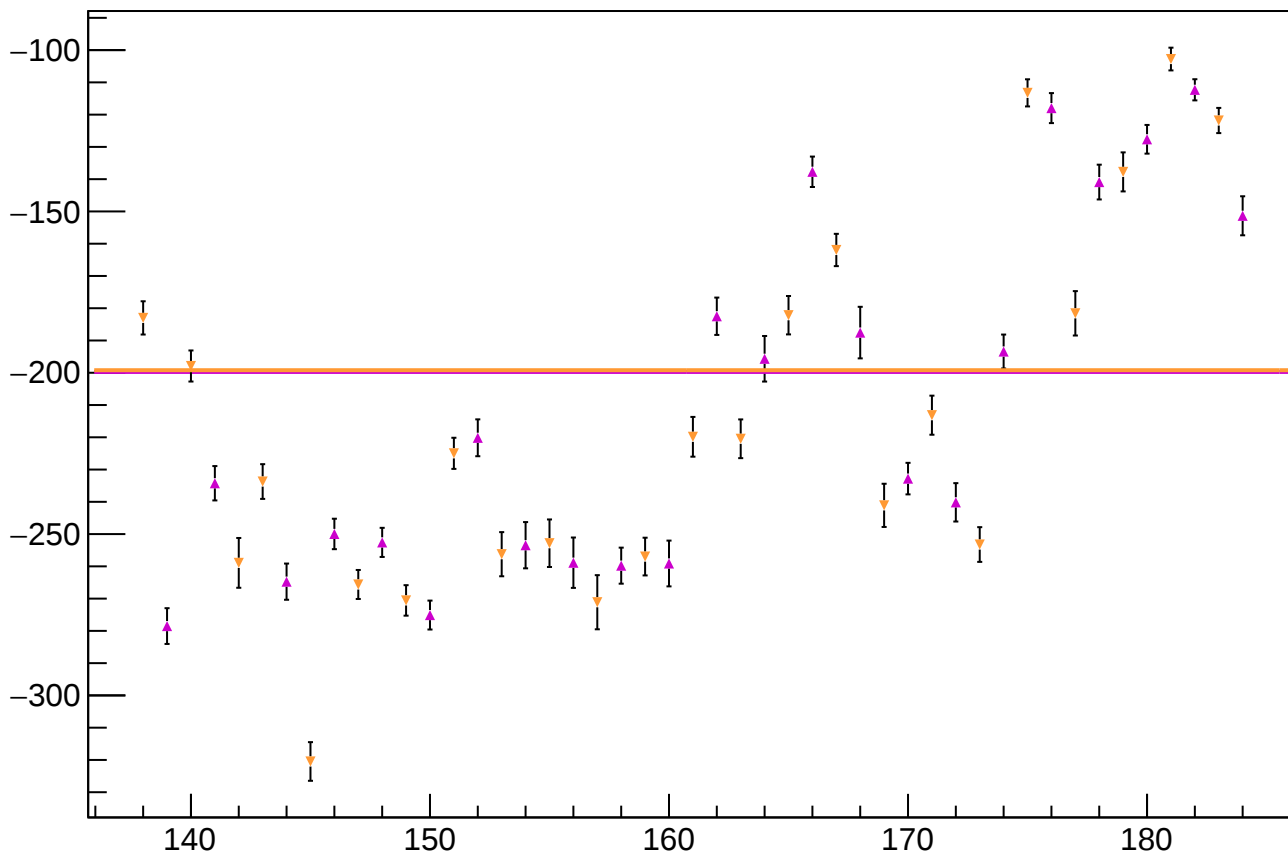
Right In: -6.304 ± 0.046 $\chi^2/\text{NDF}: 264097.6/16$

Left Out: 4.655 ± 0.017 $\chi^2/\text{NDF}: 1291009.3/23$

Right Out: -2.793 ± 0.046 $\chi^2/\text{NDF}: 265022.4/18$

Left In: 5.335 ± 0.016 $\chi^2/\text{NDF}: 1077818.8/22$

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: -199.213+/-1.092 χ^2/NDF :3191.0/23

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: -199.475+/-0.774 χ^2/NDF : 6159.2/46

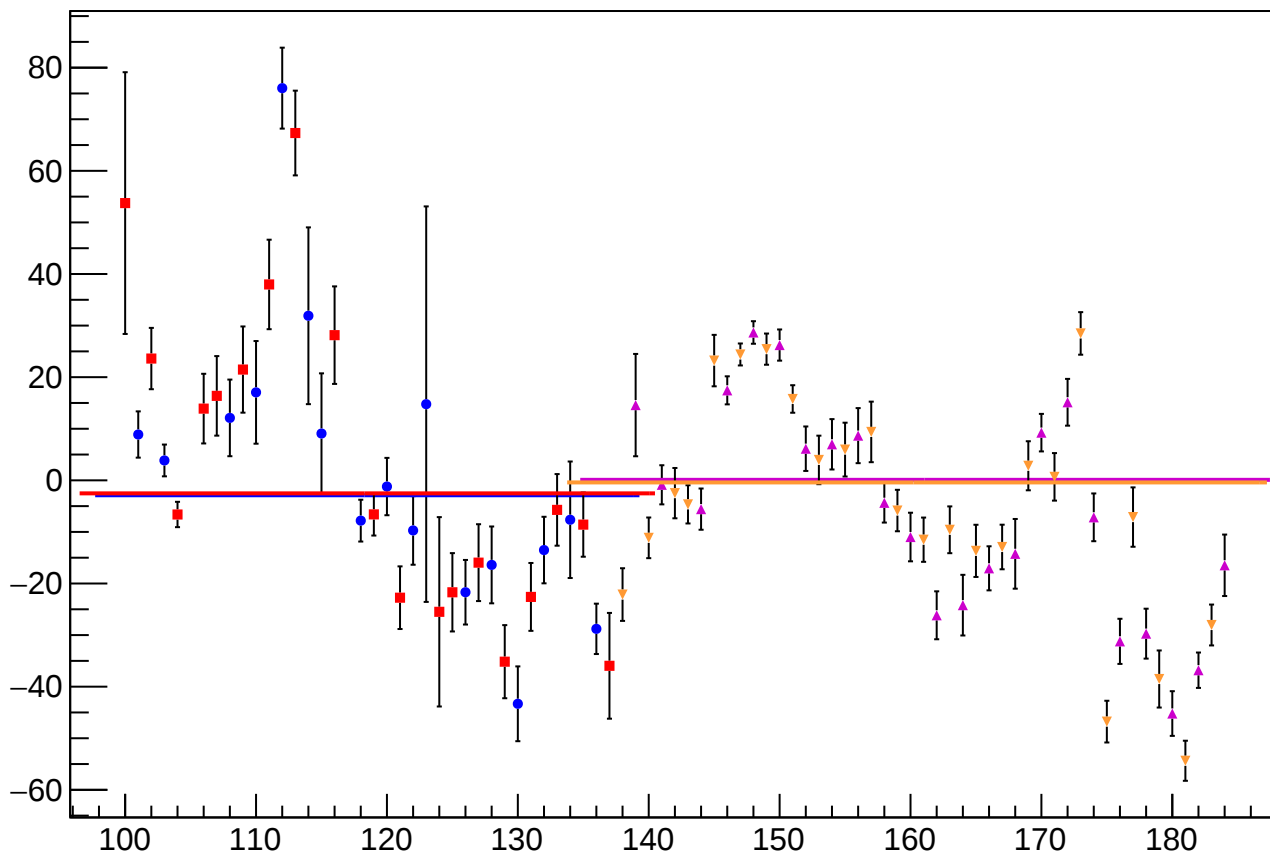
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -199.739+/-1.097 χ^2/NDF :2968.0/22

Out: -199.213+/-1.092 χ^2/NDF :3191.0/23

All: -199.475+/-0.774 χ^2/NDF : 6159.2/46

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: -0.404 ± 0.816 χ^2/NDF : 799.4/23

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: -0.160 ± 0.585 χ^2/NDF : 1515.0/46

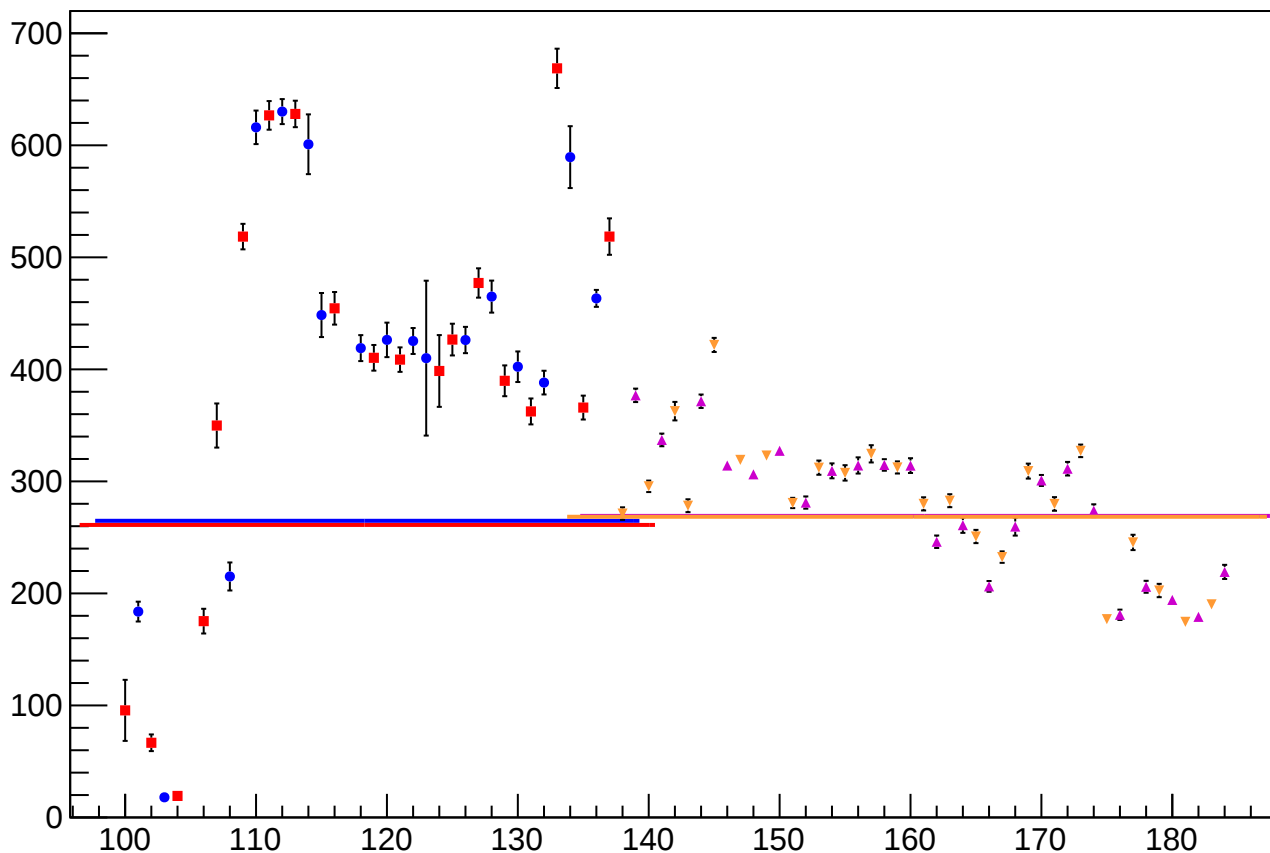
Right: -2.699 ± 1.013 χ^2/NDF : 420.9/35

In: -0.636 ± 0.728 χ^2/NDF : 922.0/39

Out: -0.944 ± 0.705 χ^2/NDF : 1018.5/42

All: -0.795 ± 0.506 χ^2/NDF : 1940.6/82

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: 268.423+/-1.091 χ^2/NDF : 3115.5/23

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: 268.807+/-0.771 χ^2/NDF : 6285.9/46

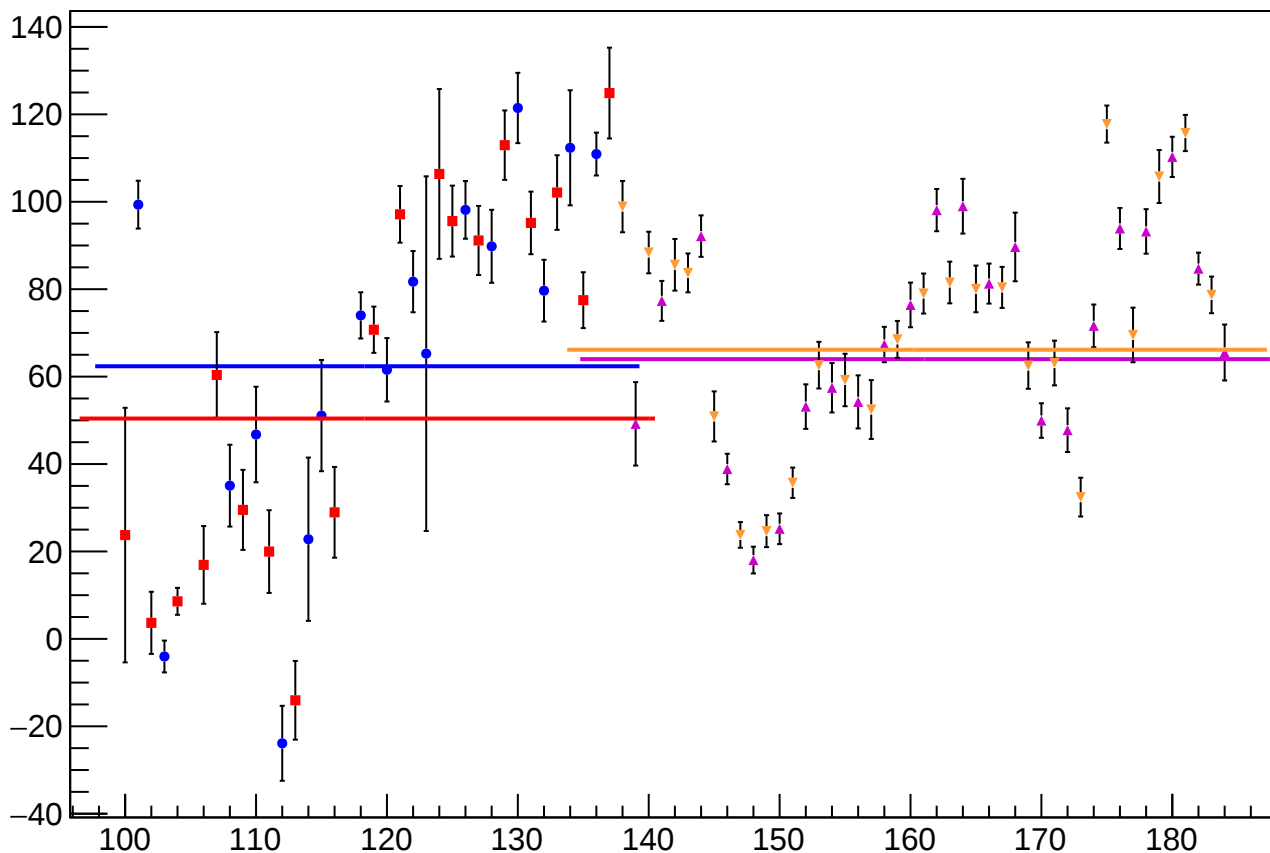
Right: 262.949+/-1.751 χ^2/NDF : 15809.8/35

In: 268.488+/-0.999 χ^2/NDF : 10786.0/39

Out: 267.225+/-0.997 χ^2/NDF : 11318.3/42

All: 267.855+/-0.706 χ^2/NDF : 22105.1/82

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.373+/-1.697 χ^2/NDF : 720.9/16

Left Out: 66.147+/-0.946 χ^2/NDF : 942.2/23

Right Out: 50.412+/-1.644 χ^2/NDF : 653.8/18

Left In: 63.999+/-0.963 χ^2/NDF : 799.5/22

Left: 65.092+/-0.675 χ^2/NDF : 1744.2/46

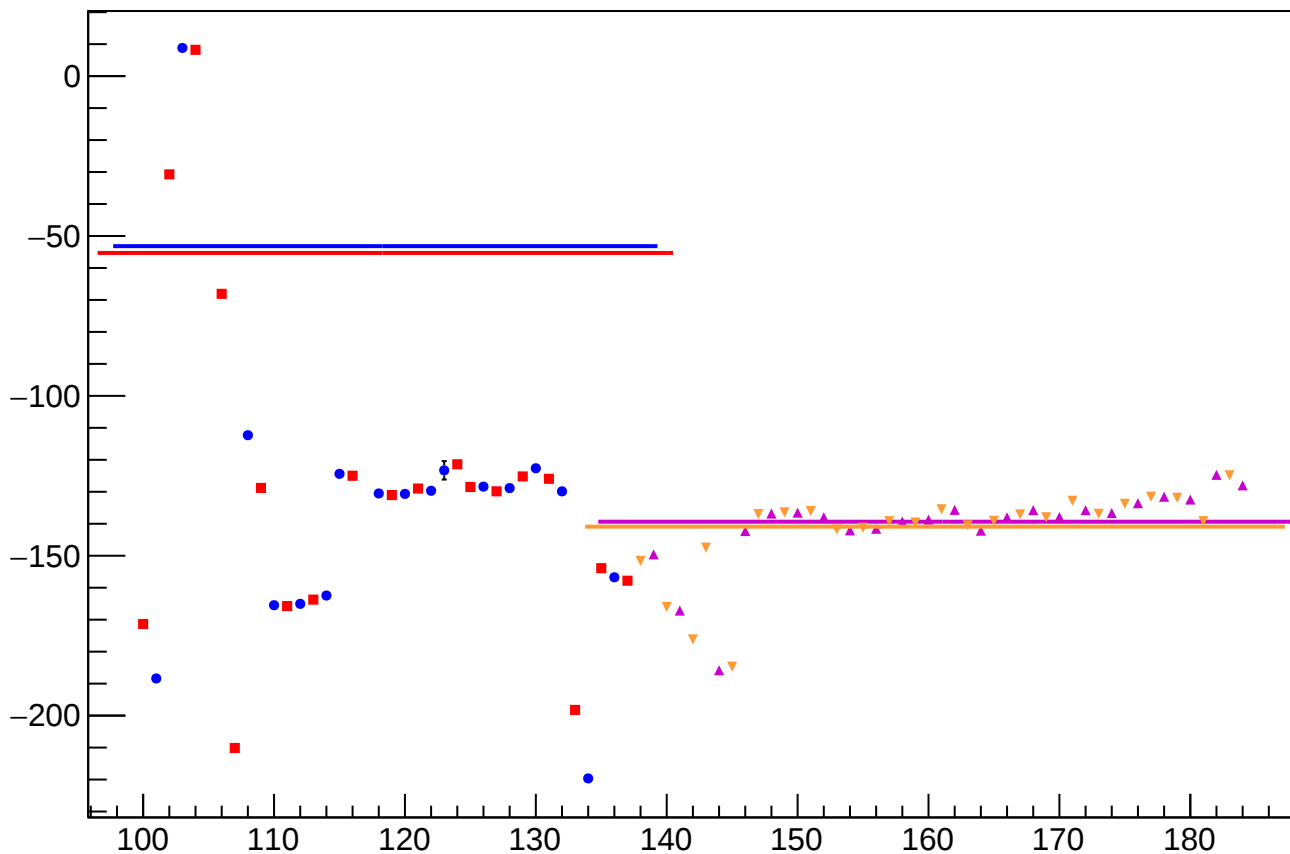
Right: 56.204+/-1.181 χ^2/NDF : 1400.3/35

In: 63.603+/-0.837 χ^2/NDF : 1521.0/39

Out: 62.233+/-0.820 χ^2/NDF : 1664.8/42

All: 62.904+/-0.586 χ^2/NDF : 3187.2/82

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: -140.907 $\pm$ 0.045 χ^2 /NDF: 73690.5/23

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: -140.129 $\pm$ 0.032 χ^2 /NDF: 136727.1/46

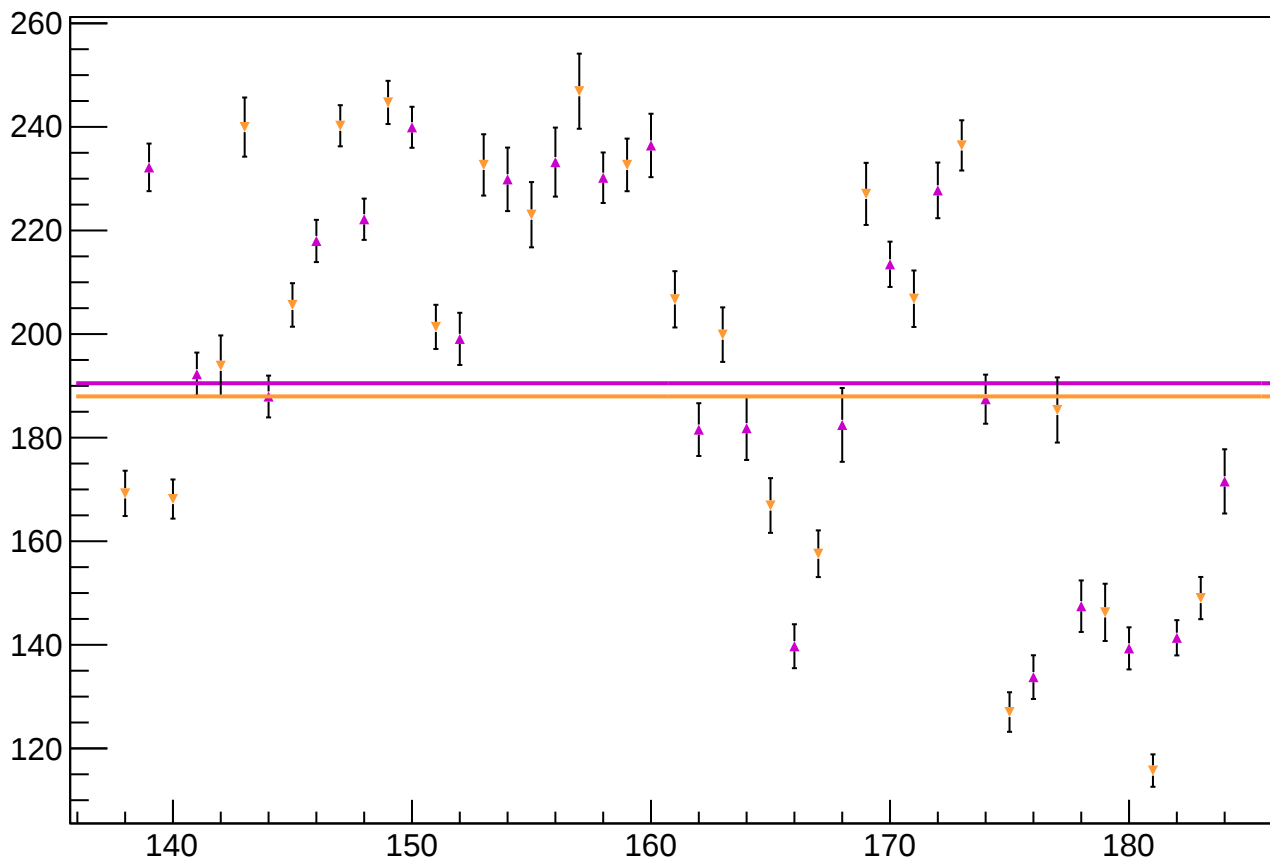
Right: -54.216 $\pm$ 0.050 χ^2 /NDF: 2190393.3/35

In: -114.378 $\pm$ 0.038 χ^2 /NDF: 2349211.4/39

Out: -116.674 $\pm$ 0.038 χ^2 /NDF: 2053591.1/42

All: -115.515 $\pm$ 0.027 χ^2 /NDF: 4404617.7/82

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 187.965 $\pm$ 0.965 χ^2 /NDF:1915.3/23

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

Left In: 190.506 $\pm$ 0.975 χ^2 /NDF:1412.7/22

Left: 189.222 $\pm$ 0.686 χ^2 /NDF: 3331.4/46

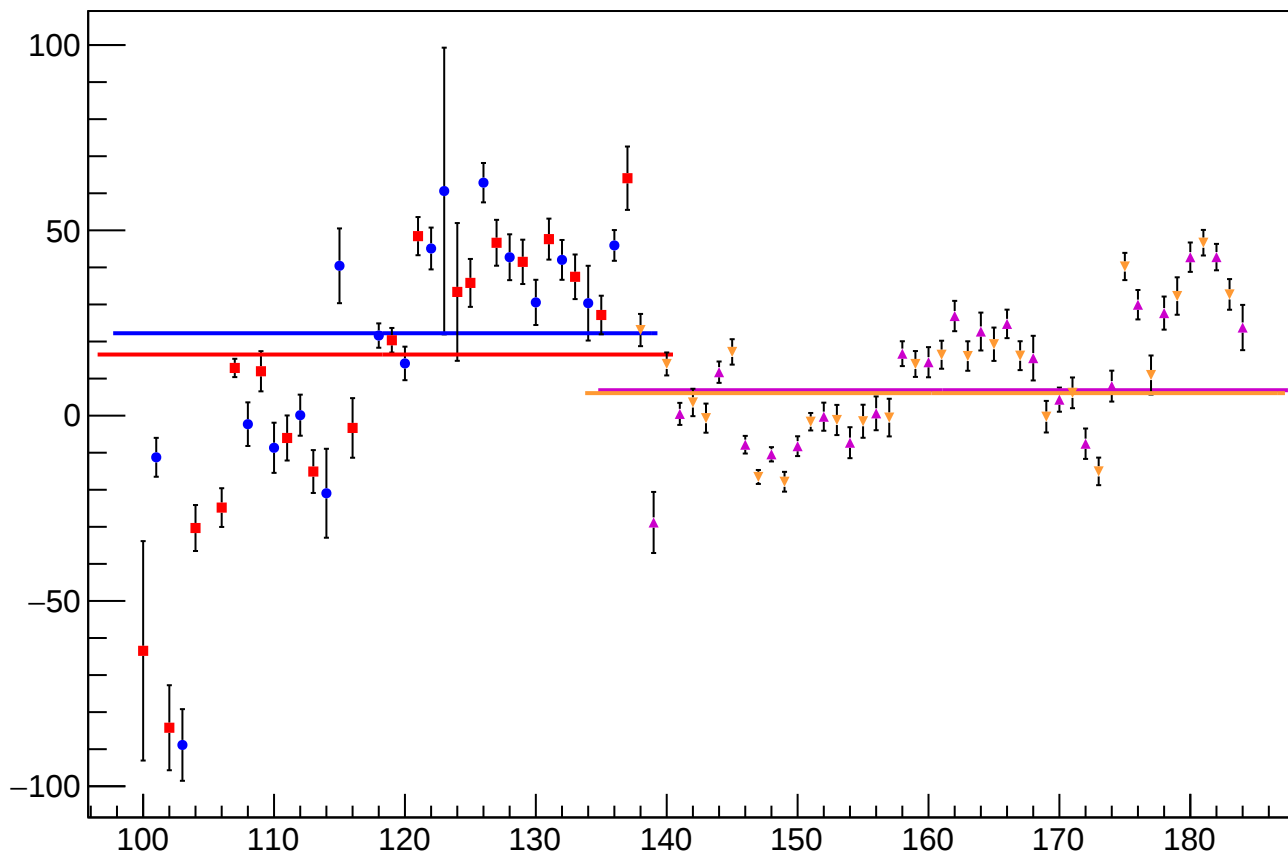
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 190.506 $\pm$ 0.975 χ^2 /NDF:1412.7/22

Out: 187.965 $\pm$ 0.965 χ^2 /NDF:1915.3/23

All: 189.222 $\pm$ 0.686 χ^2 /NDF: 3331.4/46

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.234+/-1.398 χ^2 /NDF: 382.0/16

Left Out: 6.075+/-0.718 χ^2 /NDF: 641.2/23

Right Out: 16.492+/-1.229 χ^2 /NDF: 426.0/18

Left In: 6.862+/-0.736 χ^2 /NDF: 522.7/22

Left: 6.459+/-0.514 χ^2 /NDF: 1164.6/46

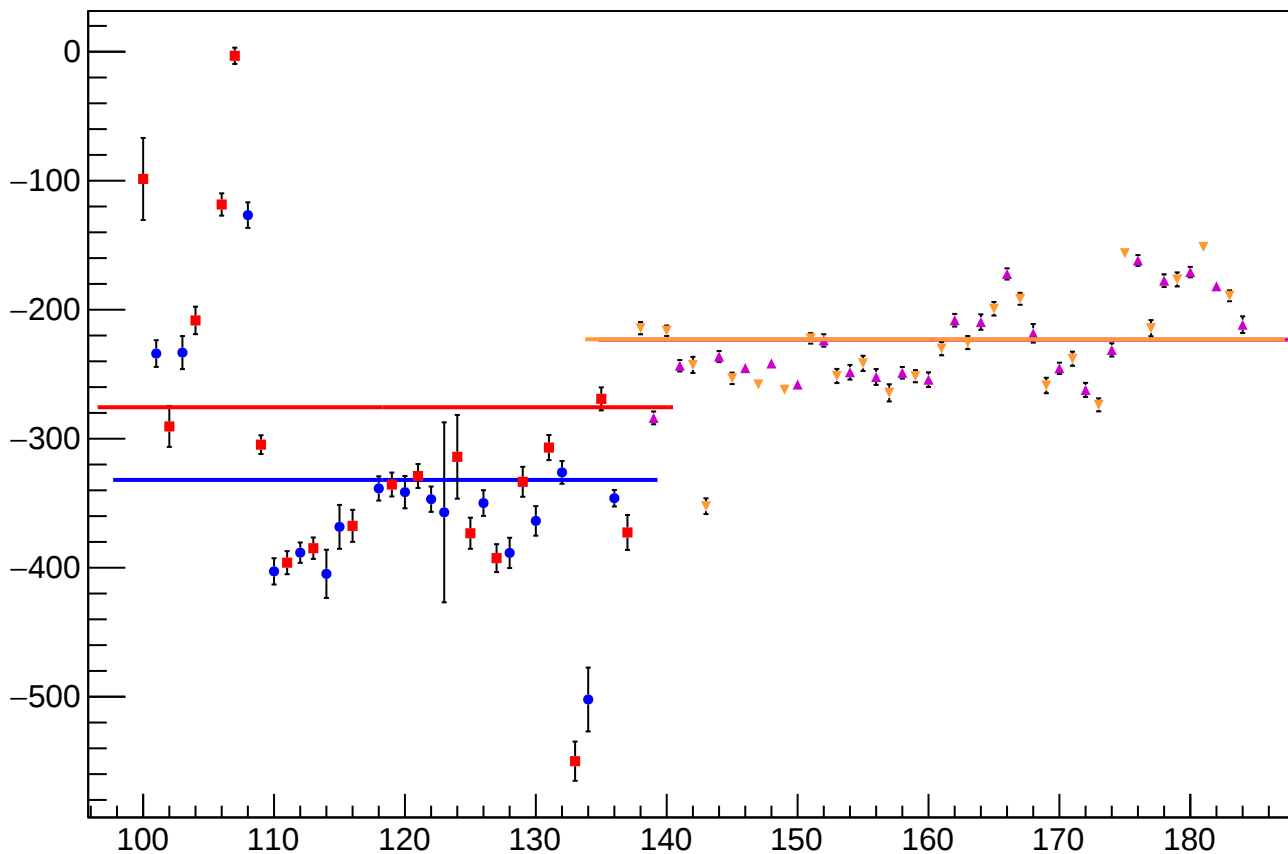
Right: 18.994+/-0.923 χ^2 /NDF: 817.5/35

In: 10.199+/-0.651 χ^2 /NDF: 999.4/39

Out: 8.728+/-0.620 χ^2 /NDF: 1120.9/42

All: 9.427+/-0.449 χ^2 /NDF: 2122.9/82

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.943+/-2.586 χ^2/NDF : 785.9/16

Left Out: -222.927+/-0.964 χ^2/NDF :1957.0/23

Right Out: -275.603+/-2.328 χ^2/NDF : 3358.3/18

Left In: -223.223+/-0.969 χ^2/NDF :1269.3/22

Left: -223.074+/-0.684 χ^2/NDF : 3226.3/46

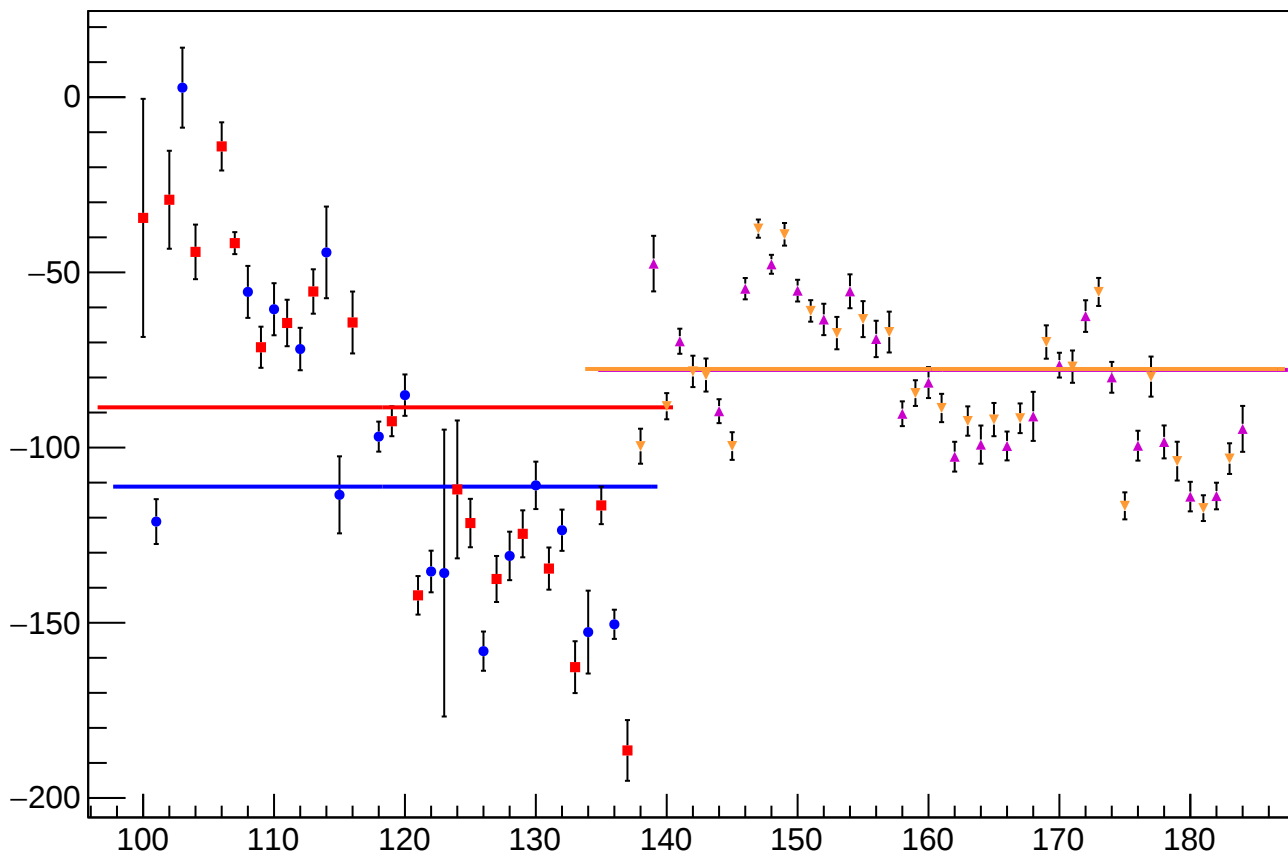
Right: -300.823+/-1.730 χ^2/NDF : 4406.4/35

In: -236.616+/-0.908 χ^2/NDF :3605.3/39

Out: -230.643+/-0.891 χ^2/NDF :5752.3/42

All: -233.574+/-0.636 χ^2/NDF : 9379.7/82

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: -77.568 ± 0.834 χ^2/NDF : 836.2/23

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: -77.701 ± 0.595 χ^2/NDF : 1459.0/46

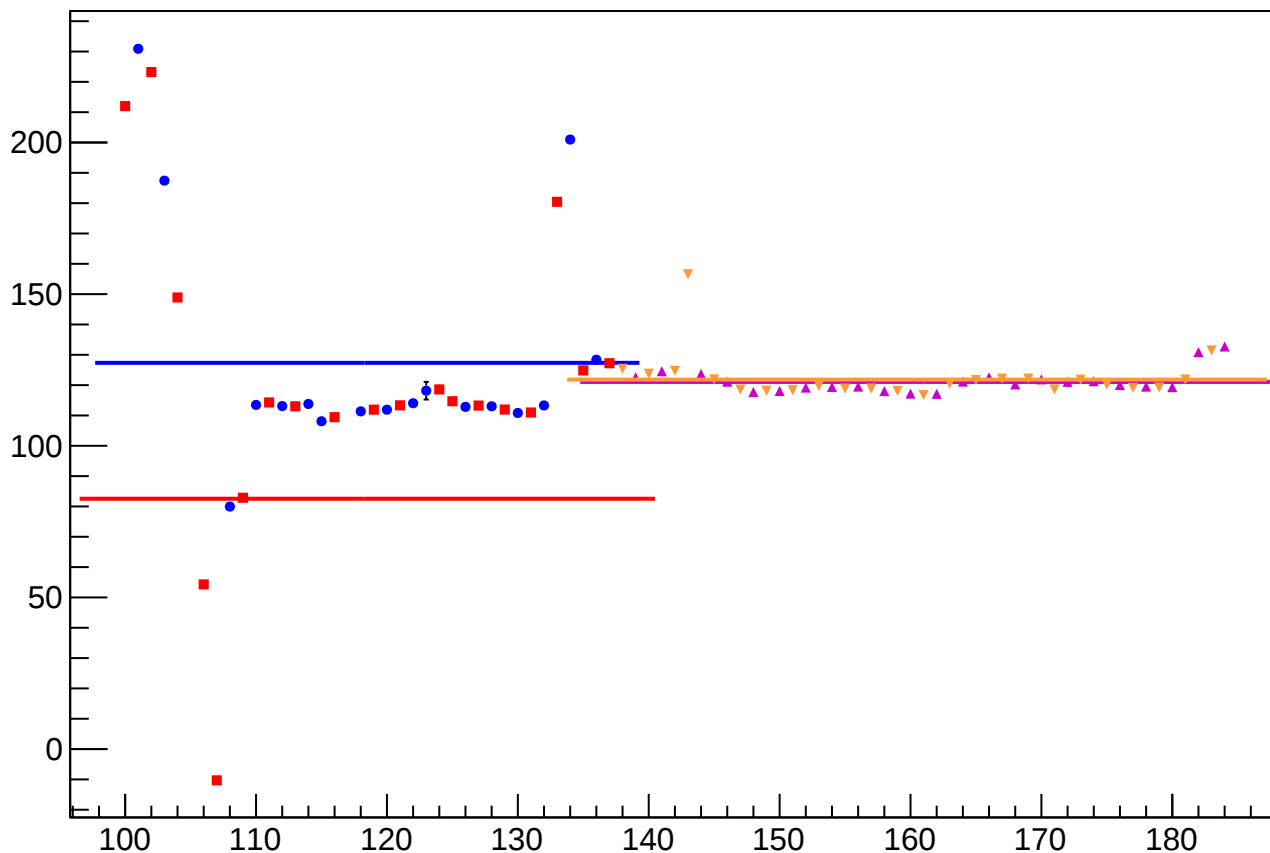
Right: -98.597 ± 1.069 χ^2/NDF : 1584.1/35

In: -85.146 ± 0.750 χ^2/NDF : 1465.3/39

Out: -80.331 ± 0.721 χ^2/NDF : 1848.4/42

All: -82.644 ± 0.520 χ^2/NDF : 3335.1/82

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.355+/-0.090 χ^2/NDF : 187728.6/16

Left Out: 121.835+/-0.040 χ^2/NDF : 26732.8/23

Right Out: 82.546+/-0.075 χ^2/NDF : 764737.8/18

Left In: 121.055+/-0.040 χ^2/NDF : 7931.6/22

Left: 121.444+/-0.028 χ^2/NDF : 34856.7/46

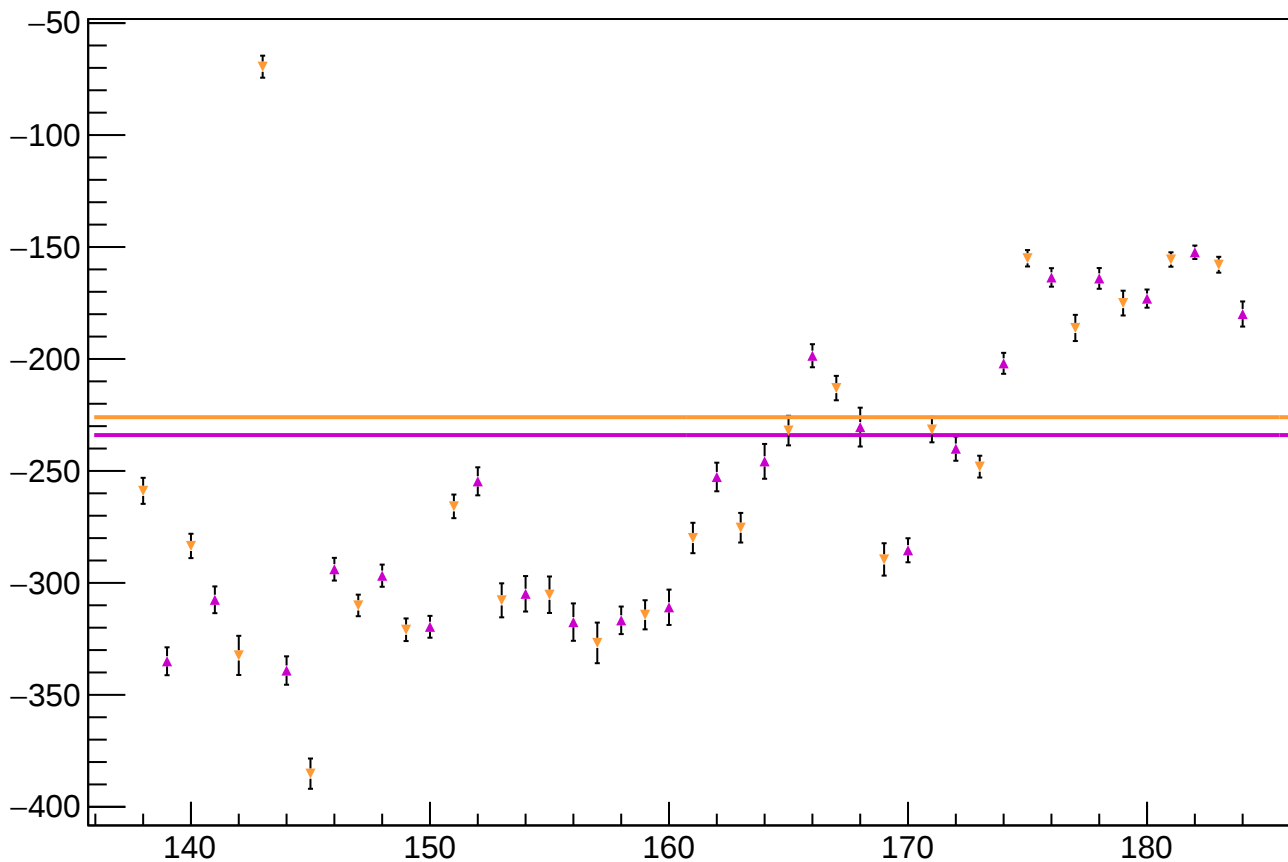
Right: 101.141+/-0.058 χ^2/NDF : 1098909.8/35

In: 122.091+/-0.036 χ^2/NDF : 199794.5/39

Out: 113.265+/-0.035 χ^2/NDF : 1003601.1/42

All: 117.544+/-0.025 χ^2/NDF : 1233820.3/82

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: -226.006+/-1.096 χ^2/NDF : 4668.6/23

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: -229.952+/-0.780 χ^2/NDF : 8233.2/46

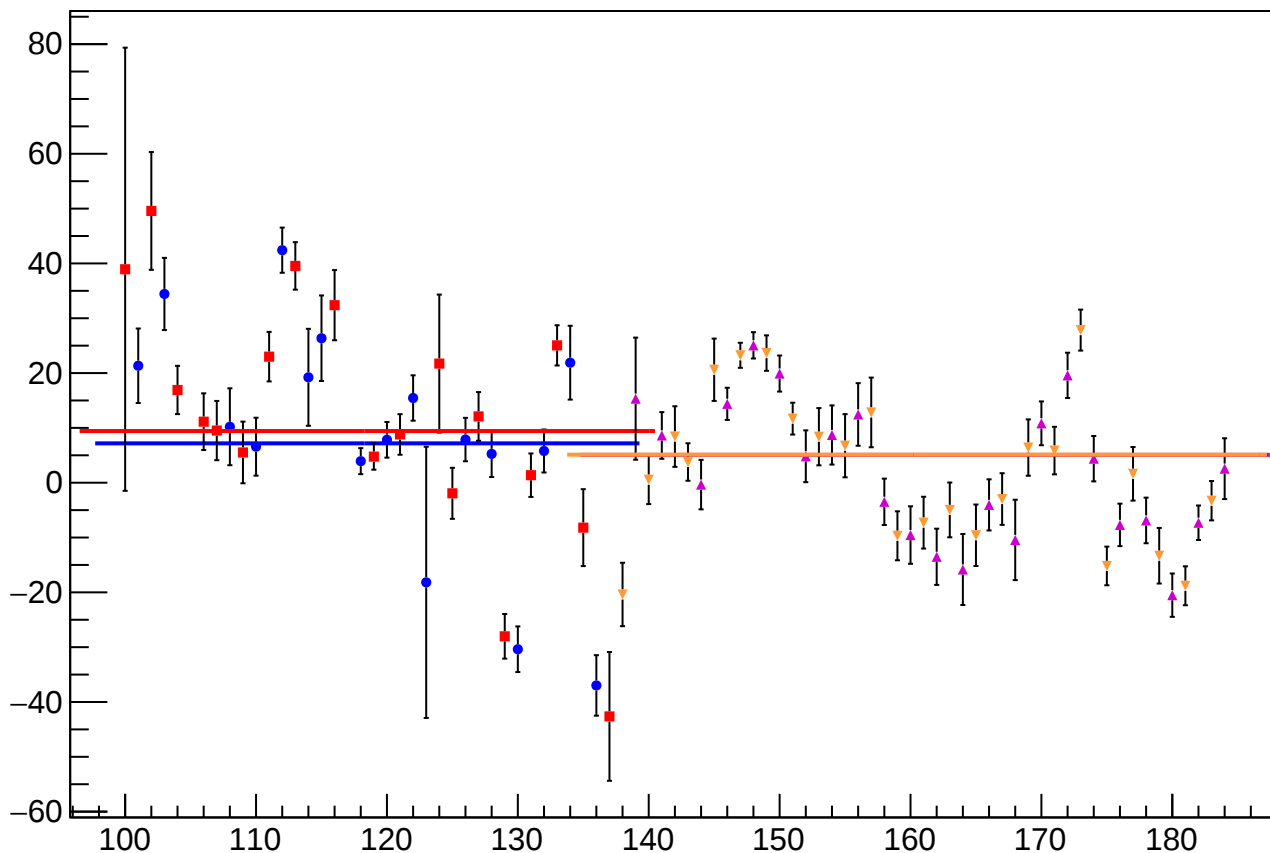
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -233.988+/-1.109 χ^2/NDF : 3538.4/22

Out: -226.006+/-1.096 χ^2/NDF : 4668.6/23

All: -229.952+/-0.780 χ^2/NDF : 8233.2/46

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: 5.116 ± 0.839 χ^2/NDF : 297.8/23

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: 5.097 ± 0.604 χ^2/NDF : 537.5/46

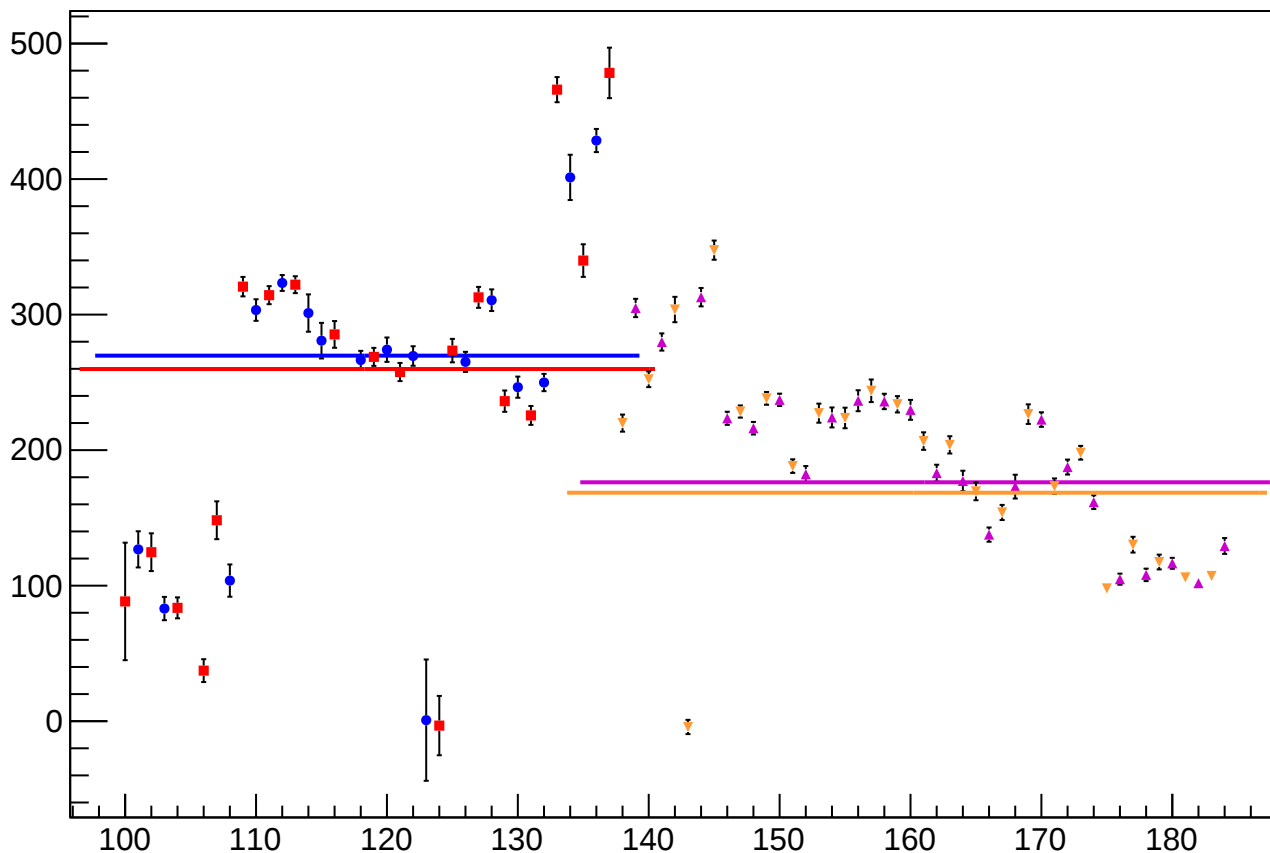
Right: 8.337 ± 0.770 χ^2/NDF : 494.5/35

In: 5.881 ± 0.683 χ^2/NDF : 502.0/39

Out: 6.753 ± 0.661 χ^2/NDF : 540.1/42

All: 6.331 ± 0.475 χ^2/NDF : 1043.0/82

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: 168.583 $\pm$ 1.098 χ^2 /NDF:4237.1/23

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: 172.401 $\pm$ 0.779 χ^2 /NDF: 7431.0/46

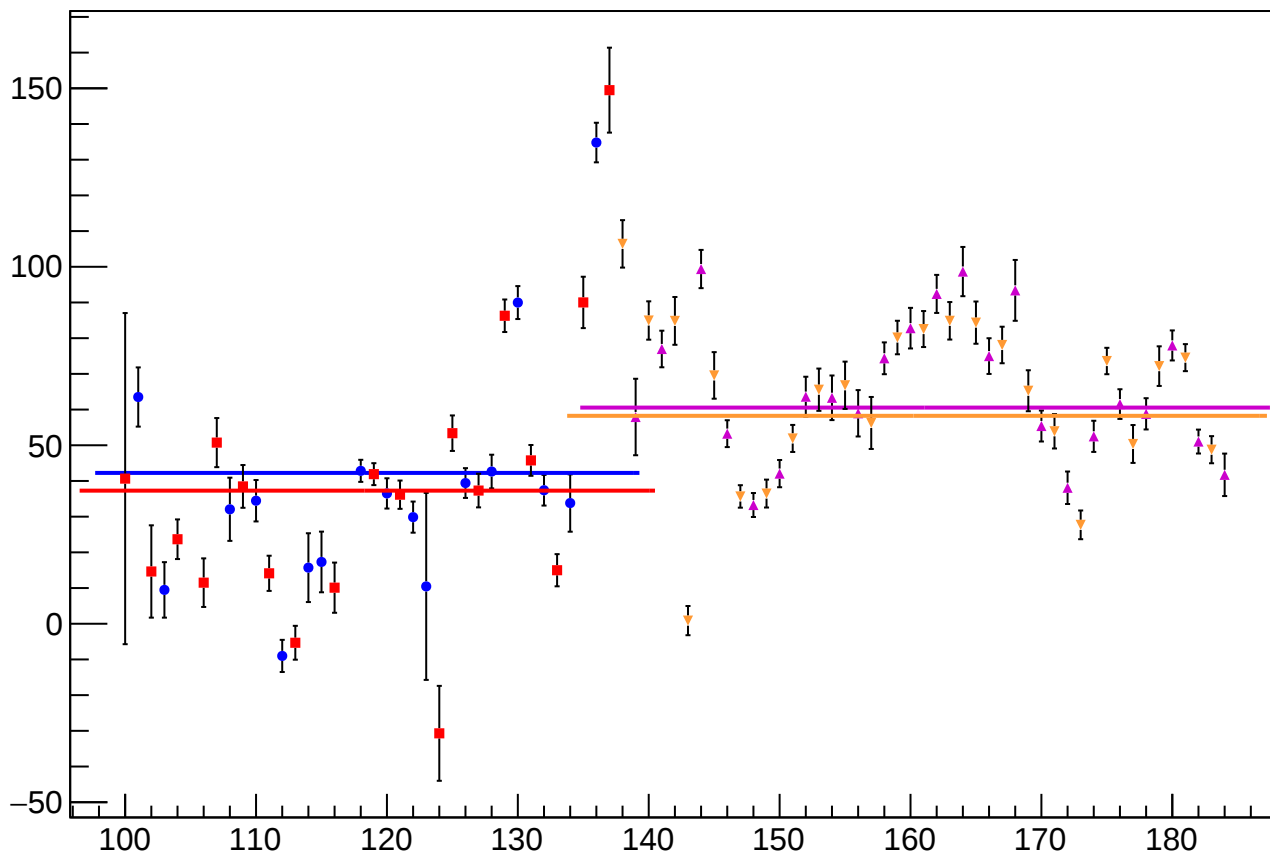
Right: 264.510 $\pm$ 1.439 χ^2 /NDF: 3928.0/35

In: 196.646 $\pm$ 0.978 χ^2 /NDF:6102.7/39

Out: 190.044 $\pm$ 0.960 χ^2 /NDF:8401.5/42

All: 193.286 $\pm$ 0.685 χ^2 /NDF: 14527.3/82

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: 58.249 $\pm$ 0.966 χ^2 /NDF: 597.0/23

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: 59.373 $\pm$ 0.691 χ^2 /NDF: 935.4/46

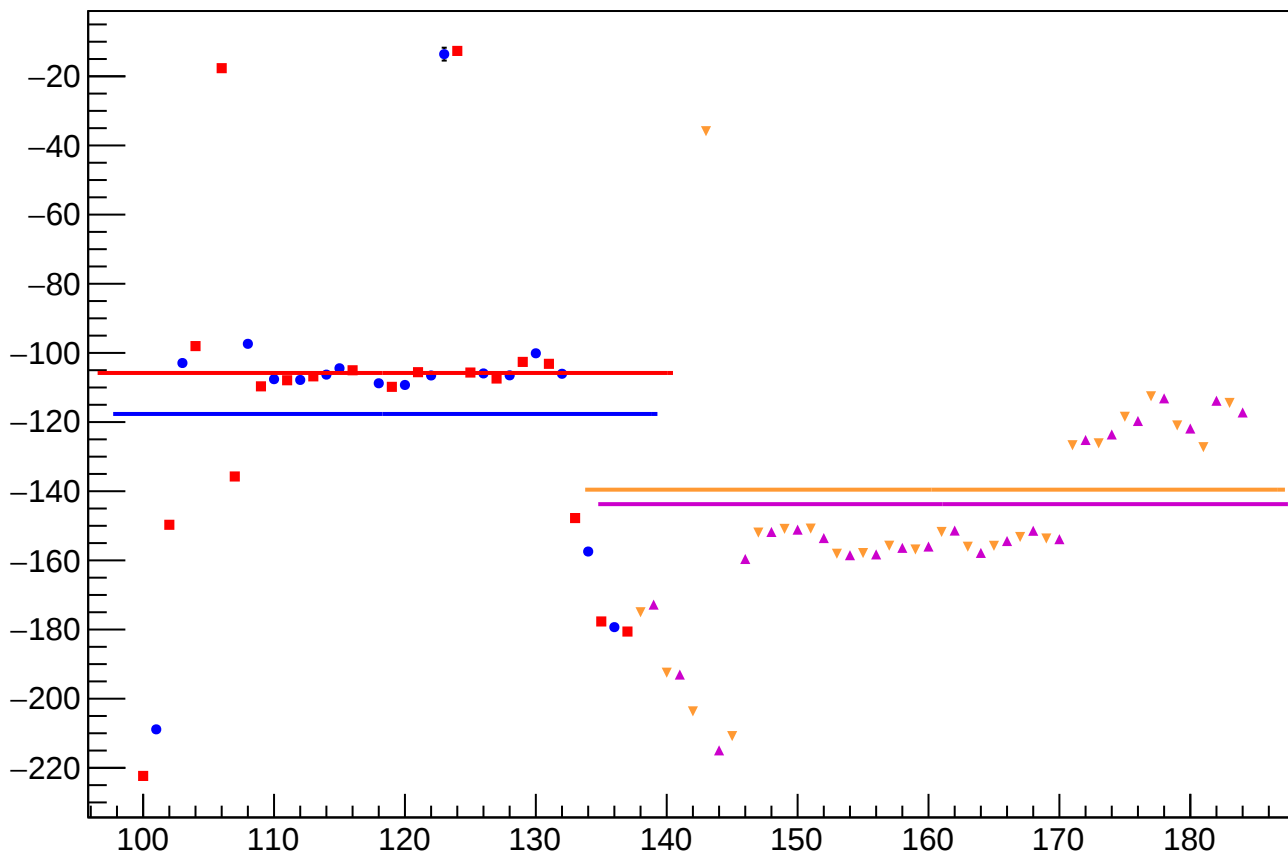
Right: 39.693 $\pm$ 0.888 χ^2 /NDF: 1051.4/35

In: 53.681 $\pm$ 0.782 χ^2 /NDF: 1037.0/39

Out: 50.310 $\pm$ 0.761 χ^2 /NDF: 1245.9/42

All: 51.949 $\pm$ 0.546 χ^2 /NDF: 2292.5/82

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: -139.549+/-0.046 χ^2/NDF : 516397.9/23

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: -141.636+/-0.033 χ^2/NDF : 778940.4/46

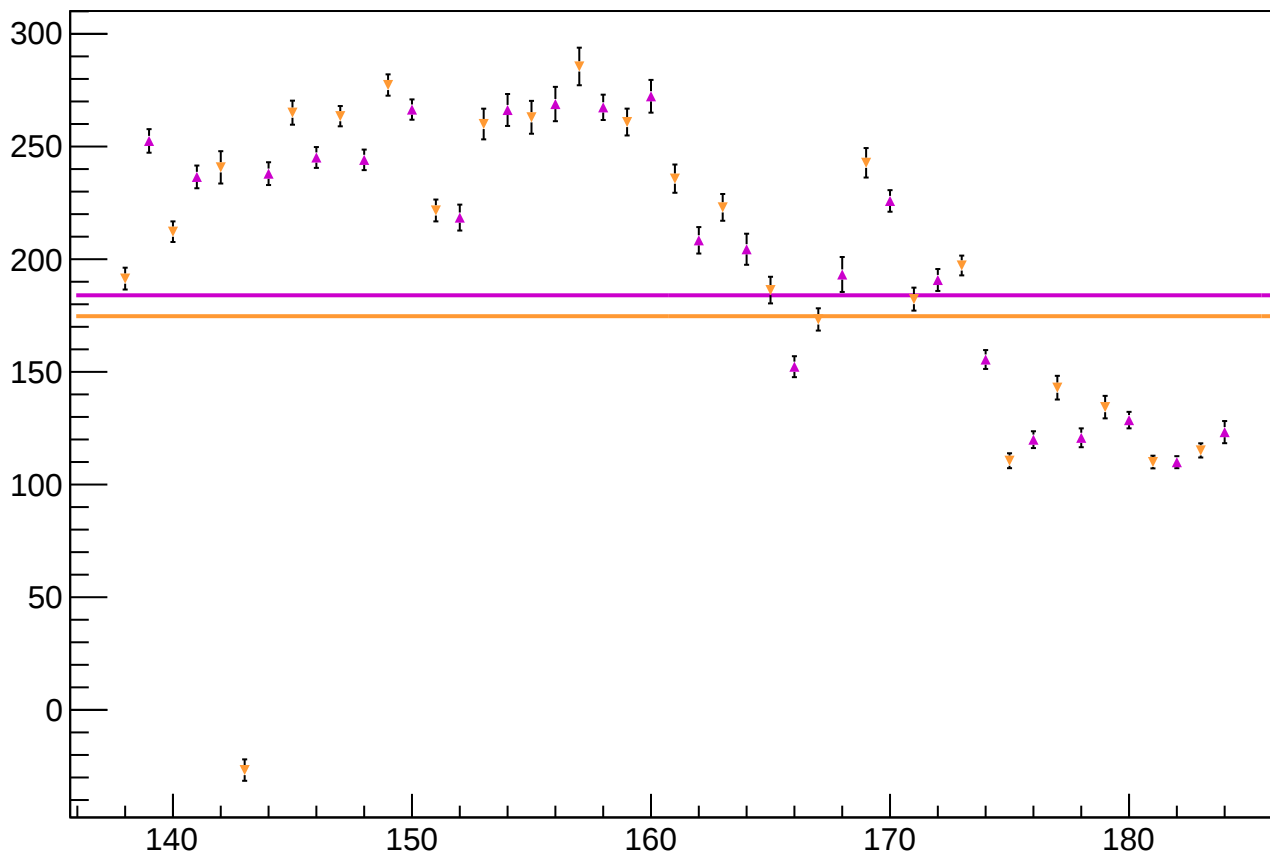
Right: -111.277+/-0.053 χ^2/NDF : 477176.1/35

In: -137.067+/-0.040 χ^2/NDF : 482073.9/39

Out: -129.948+/-0.039 χ^2/NDF : 992865.1/42

All: -133.428+/-0.028 χ^2/NDF : 1491319.1/82

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: 174.711+/-0.981 χ^2/NDF :5551.0/23

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: 179.298+/-0.697 χ^2/NDF : 9208.9/46

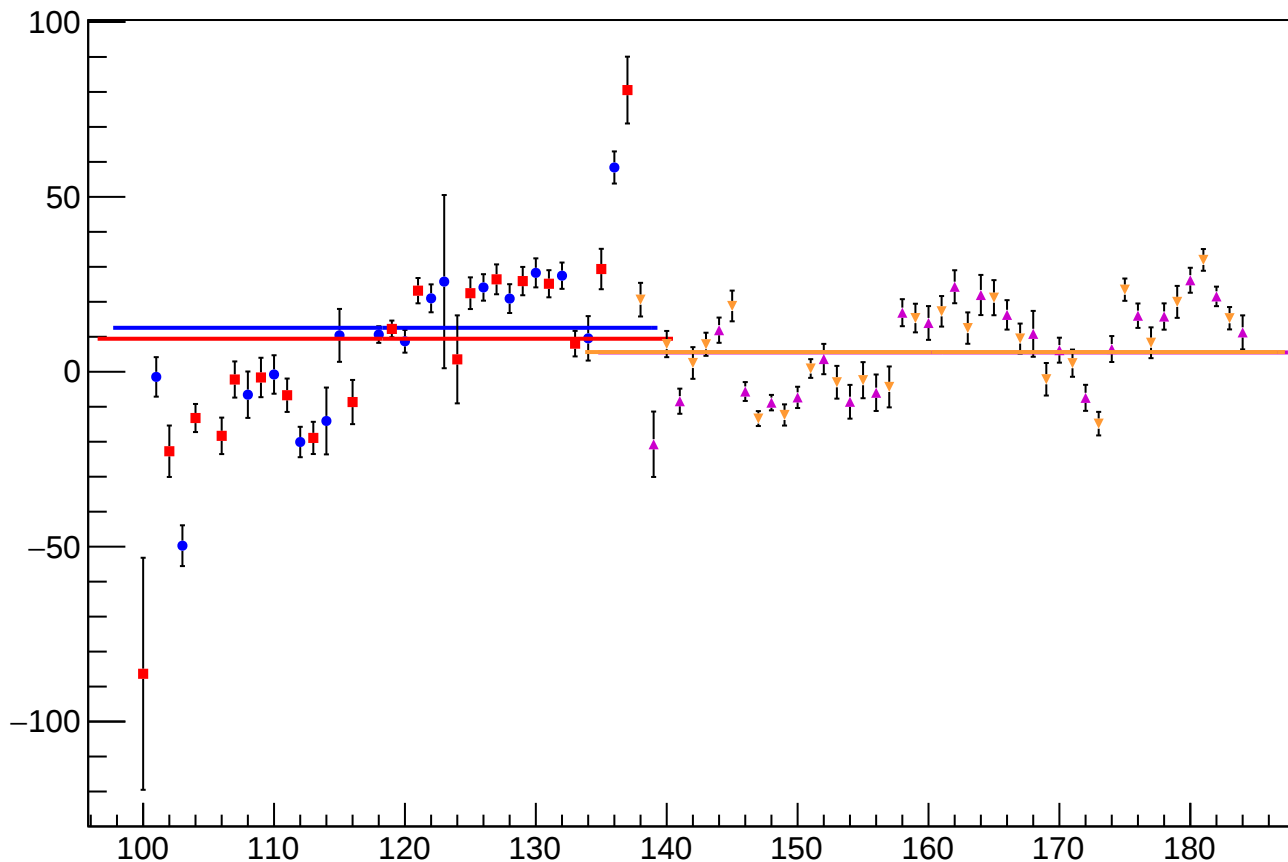
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 183.984+/-0.991 χ^2/NDF :3613.7/22

Out: 174.711+/-0.981 χ^2/NDF :5551.0/23

All: 179.298+/-0.697 χ^2/NDF : 9208.9/46

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: 5.636+/-0.757 χ^2/NDF : 335.1/23

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: 5.583+/-0.544 χ^2/NDF : 591.4/46

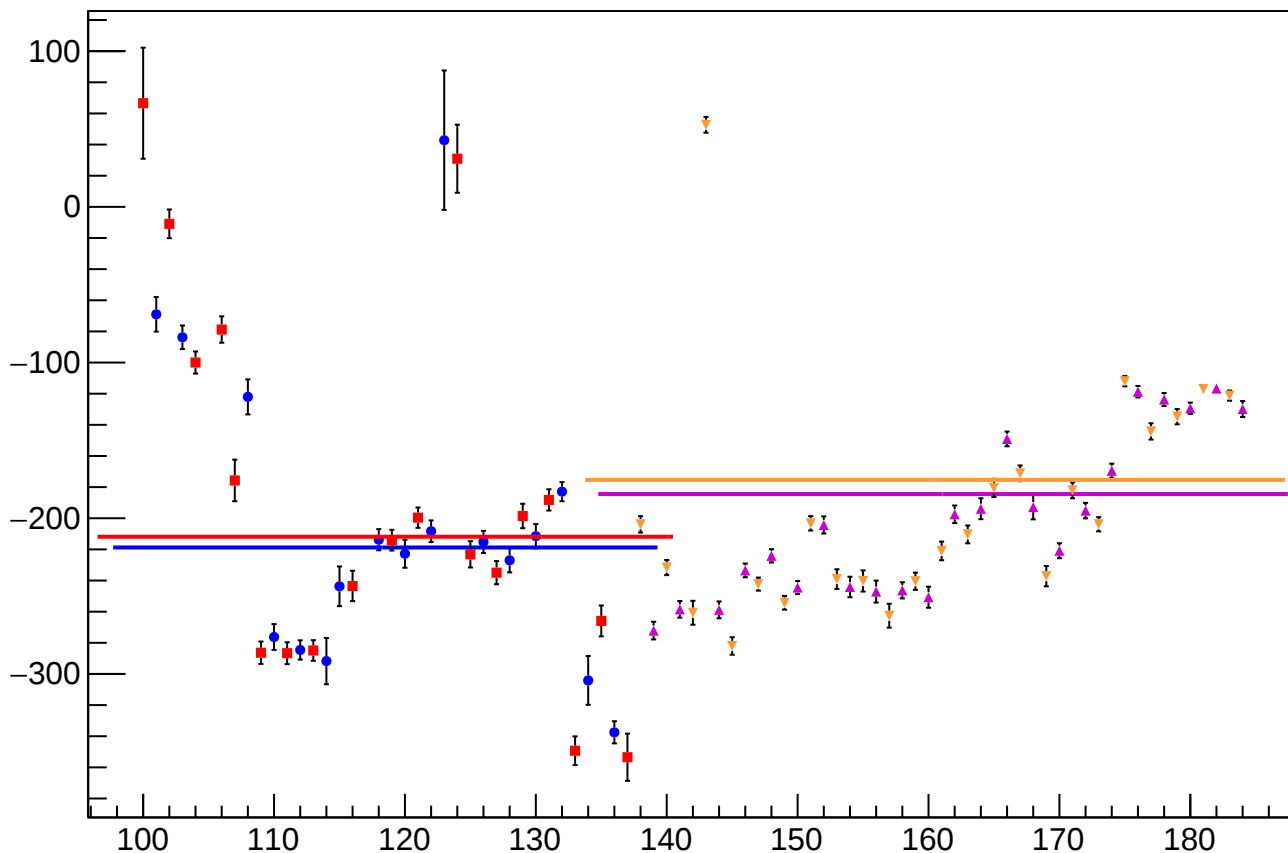
Right: 10.966+/-0.751 χ^2/NDF : 648.0/35

In: 7.957+/-0.632 χ^2/NDF : 633.2/39

Out: 6.940+/-0.614 χ^2/NDF : 638.5/42

All: 7.434+/-0.440 χ^2/NDF : 1273.1/82

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: -175.383 ± 0.985 $\chi^2/\text{NDF}: 5102.8/23$

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: -179.892 ± 0.698 $\chi^2/\text{NDF}: 8196.5/46$

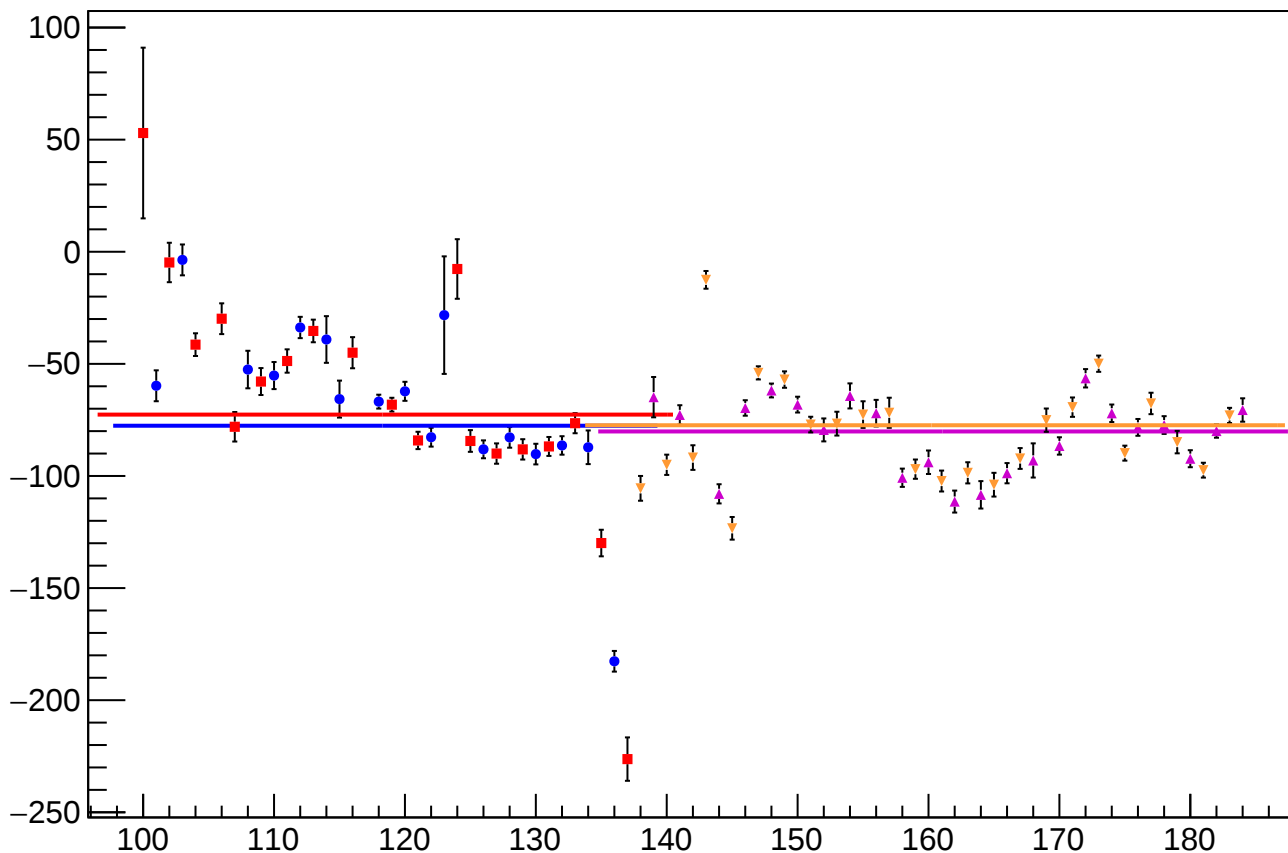
Right: -215.133 ± 1.397 $\chi^2/\text{NDF}: 3035.0/35$

In: -191.071 ± 0.890 $\chi^2/\text{NDF}: 4427.1/39$

Out: -182.929 ± 0.877 $\chi^2/\text{NDF}: 7271.3/42$

All: -186.939 ± 0.625 $\chi^2/\text{NDF}: 11740.8/82$

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: -77.379 ± 0.870 χ^2/NDF : 720.0/23

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: -78.733 ± 0.622 χ^2/NDF : 1008.2/46

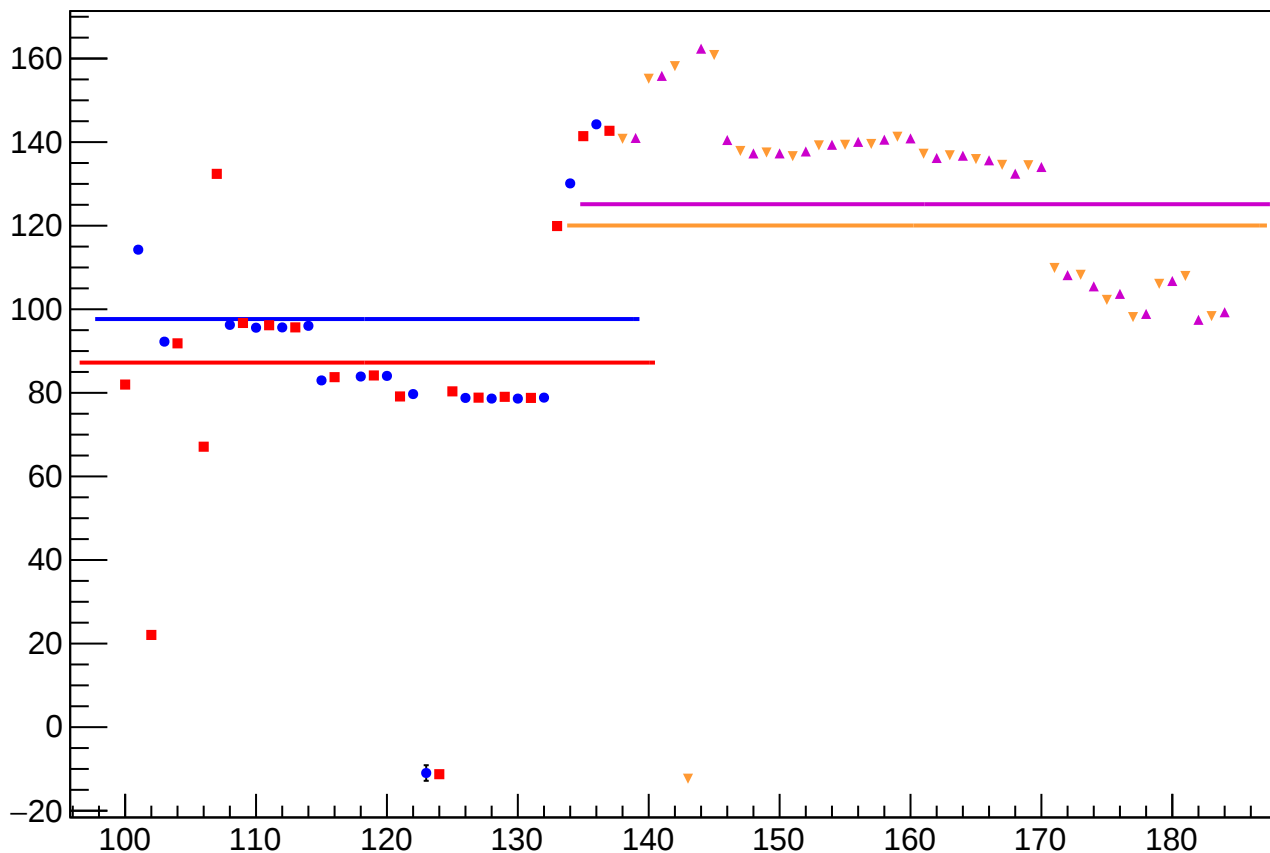
Right: -75.048 ± 0.865 χ^2/NDF : 1494.9/35

In: -79.280 ± 0.722 χ^2/NDF : 1102.5/39

Out: -75.759 ± 0.706 χ^2/NDF : 1400.3/42

All: -77.479 ± 0.505 χ^2/NDF : 2515.0/82

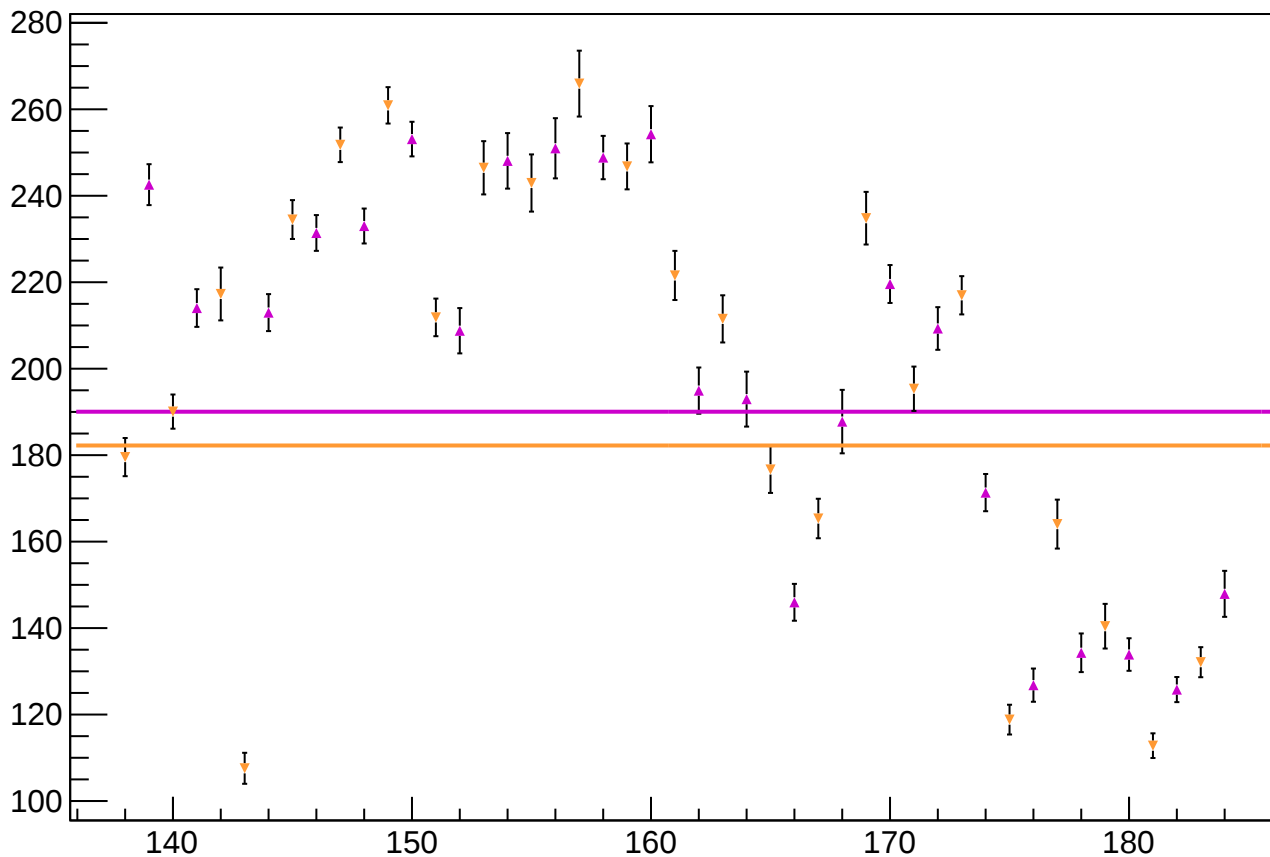
reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.659 $\pm$ 0.074 χ^2/NDF : 93912.8/16
 Left Out: 120.046 $\pm$ 0.041 χ^2/NDF : 652457.9/23
 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: 122.589 $\pm$ 0.029 χ^2/NDF : 881005.6/46
 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: 111.293 $\pm$ 0.035 χ^2/NDF : 1042205.3/42
 All: 114.868 $\pm$ 0.025 χ^2/NDF : 1483548.2/82

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: 182.236+/-0.927 χ^2/NDF :3214.8/23

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: 186.034+/-0.664 χ^2/NDF : 5687.7/46

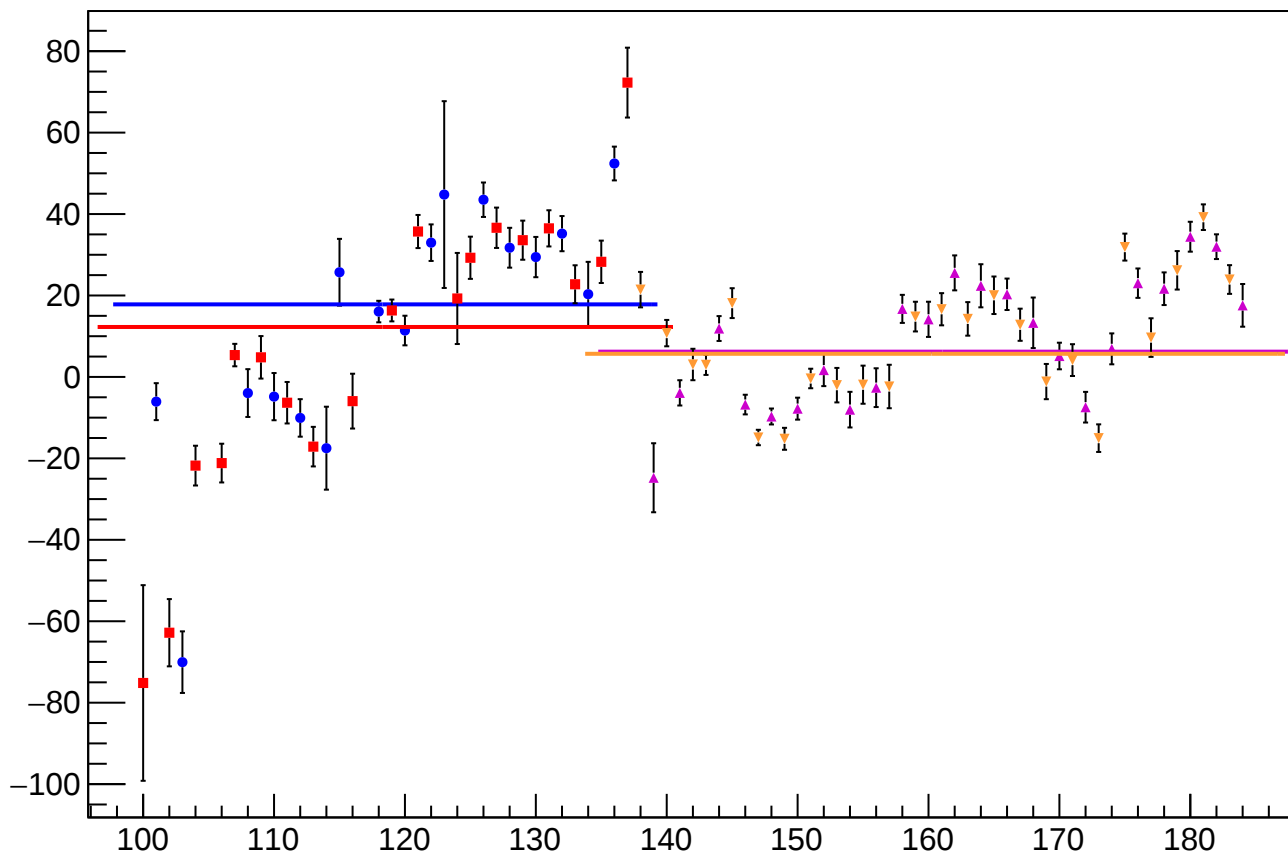
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 190.048+/-0.953 χ^2/NDF :2438.4/22

Out: 182.236+/-0.927 χ^2/NDF :3214.8/23

All: 186.034+/-0.664 χ^2/NDF : 5687.7/46

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.818 $\pm$ 1.168 χ^2 /NDF: 394.0/16

Left Out: 5.681 $\pm$ 0.697 χ^2 /NDF: 514.8/23

Right Out: 12.267 $\pm$ 1.085 χ^2 /NDF: 443.0/18

Left In: 6.206 $\pm$ 0.732 χ^2 /NDF: 407.5/22

Left: 5.931 $\pm$ 0.505 χ^2 /NDF: 922.6/46

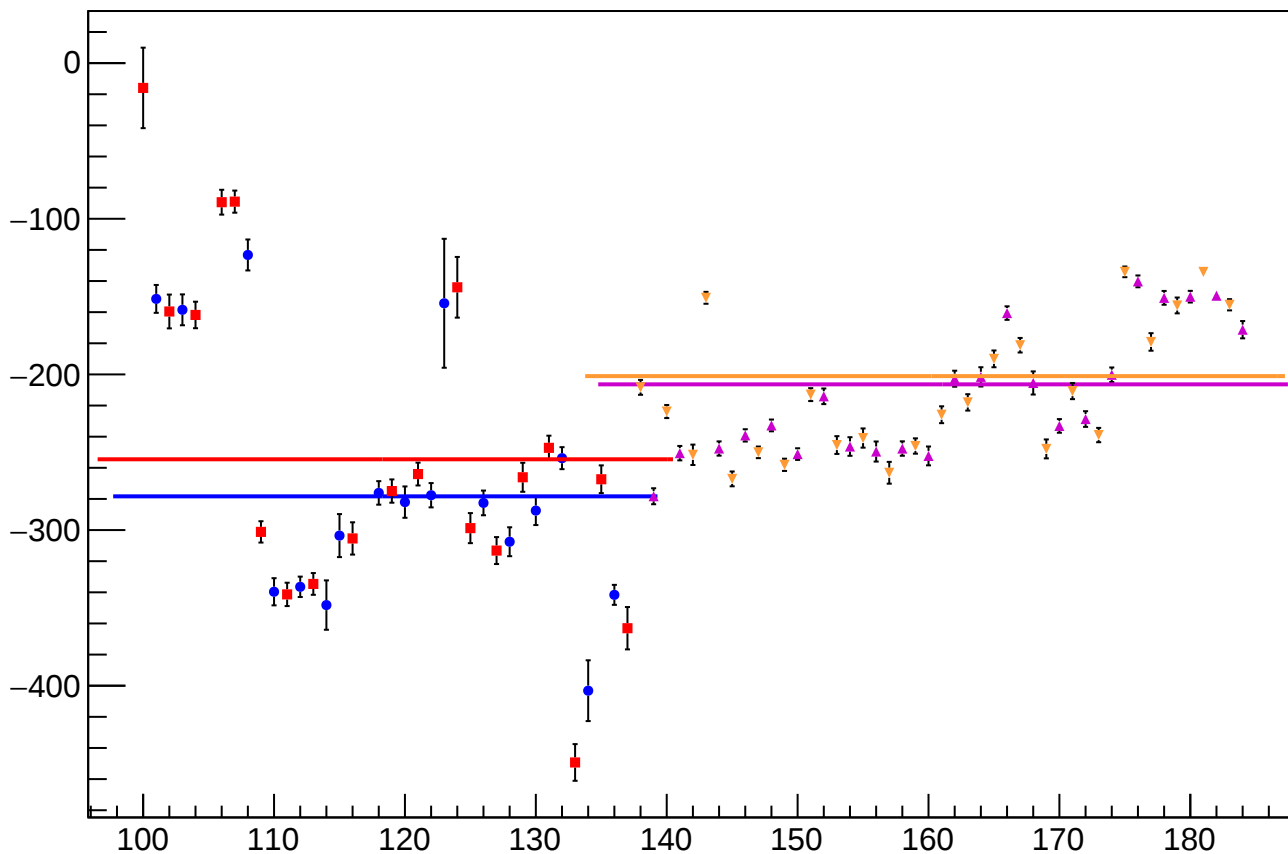
Right: 14.837 $\pm$ 0.795 χ^2 /NDF: 849.2/35

In: 9.478 $\pm$ 0.620 χ^2 /NDF: 872.5/39

Out: 7.606 $\pm$ 0.587 χ^2 /NDF: 984.0/42

All: 8.490 $\pm$ 0.426 χ^2 /NDF: 1861.3/82

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.336 ± 2.190 χ^2/NDF : 910.1/16

Left Out: -201.091 ± 0.930 χ^2/NDF : 2438.7/23

Right Out: -254.529 ± 2.023 χ^2/NDF : 2036.7/18

Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

Left: -203.680 ± 0.664 χ^2/NDF : 4566.1/46

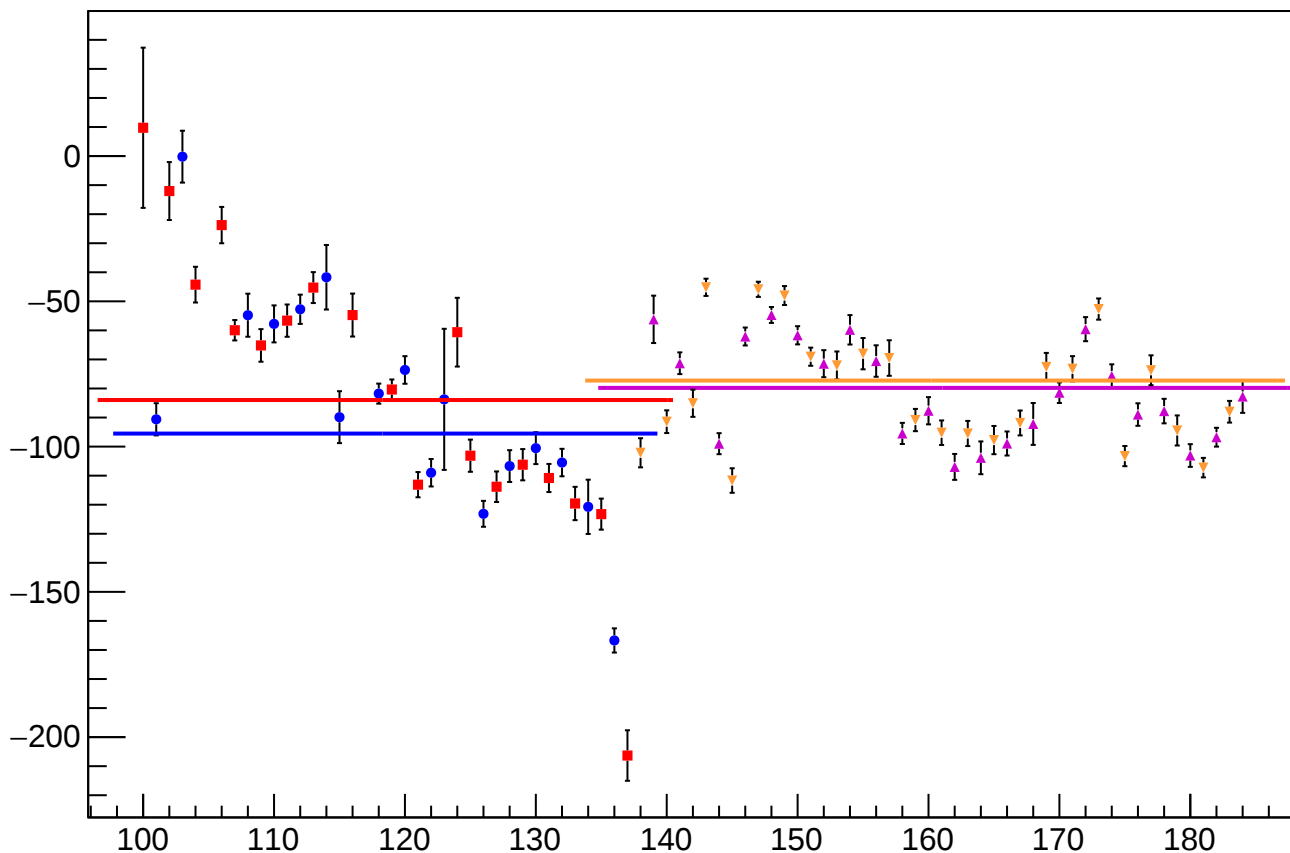
Right: -265.492 ± 1.486 χ^2/NDF : 3010.6/35

In: -217.771 ± 0.871 χ^2/NDF : 3930.7/39

Out: -210.416 ± 0.845 χ^2/NDF : 5051.4/42

All: -213.981 ± 0.607 χ^2/NDF : 9018.9/82

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.515 ± 1.344 $\chi^2/\text{NDF}: 669.2/16$

Left Out: -77.268 ± 0.808 $\chi^2/\text{NDF}: 742.3/23$

Right Out: -83.971 ± 1.259 $\chi^2/\text{NDF}: 781.5/18$

Left In: -79.792 ± 0.840 $\chi^2/\text{NDF}: 412.3/22$

Left: -78.481 ± 0.582 $\chi^2/\text{NDF}: 1159.3/46$

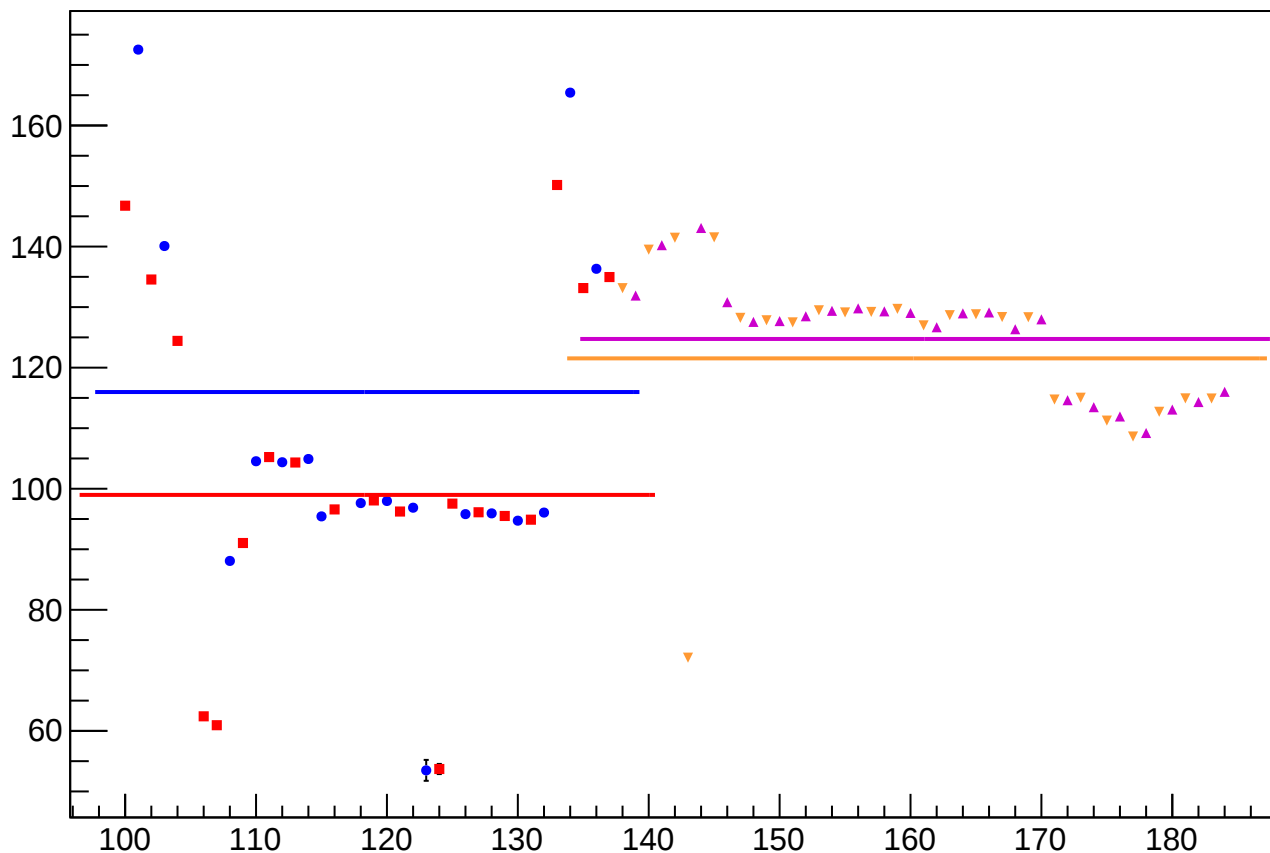
Right: -89.367 ± 0.919 $\chi^2/\text{NDF}: 1490.0/35$

In: -84.209 ± 0.712 $\chi^2/\text{NDF}: 1179.9/39$

Out: -79.223 ± 0.680 $\chi^2/\text{NDF}: 1543.9/42$

All: -81.600 ± 0.492 $\chi^2/\text{NDF}: 2749.5/82$

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: 121.531 $\pm$ 0.039 χ^2 /NDF:164133.3/23

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: 123.111 $\pm$ 0.028 χ^2 /NDF: 218818.1/46

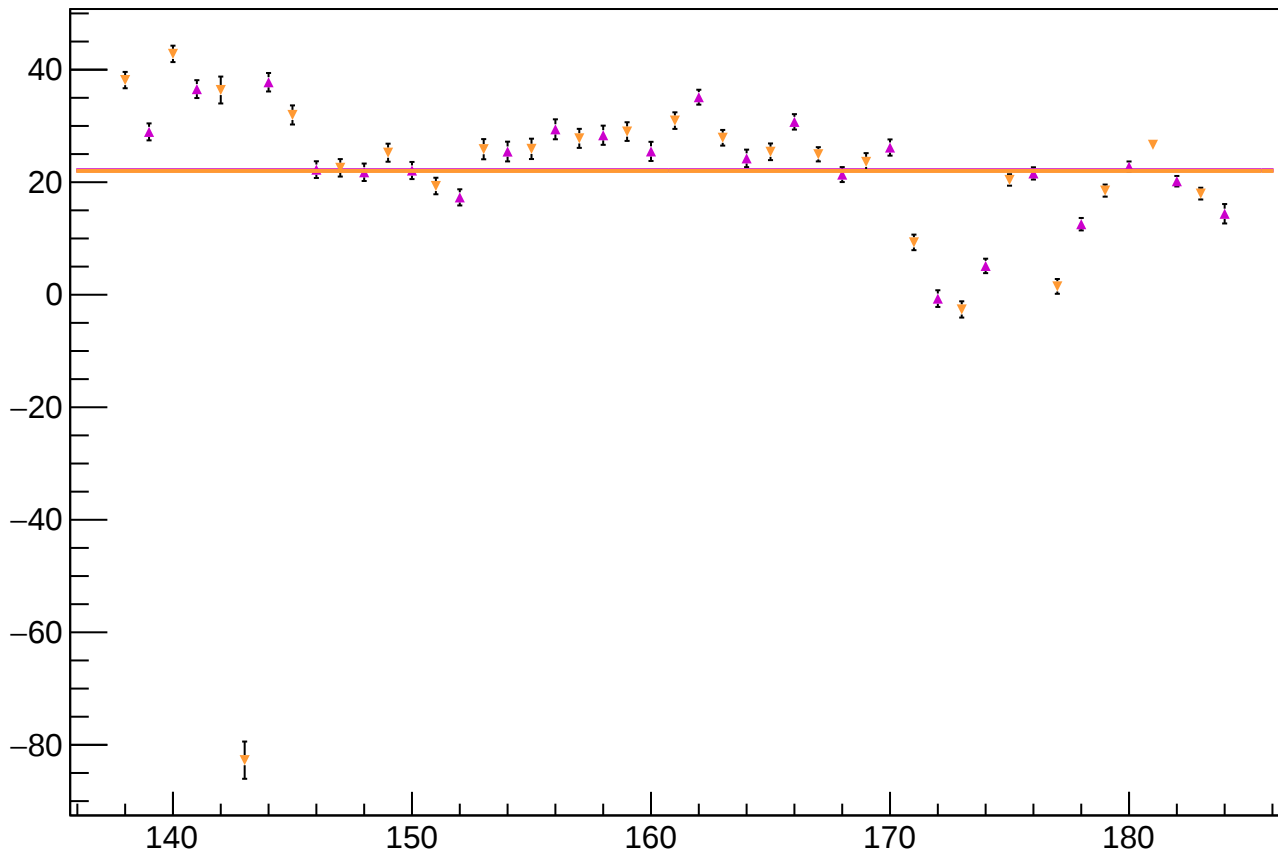
Right: 106.337 $\pm$ 0.052 χ^2 /NDF: 305183.9/35

In: 122.986 $\pm$ 0.035 χ^2 /NDF:166919.8/39

Out: 116.094 $\pm$ 0.034 χ^2 /NDF:419075.6/42

All: 119.398 $\pm$ 0.024 χ^2 /NDF: 606059.0/82

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: 22.003+/-0.285 χ^2/NDF :2185.5/23

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: 22.065+/-0.202 χ^2/NDF : 3085.9/46

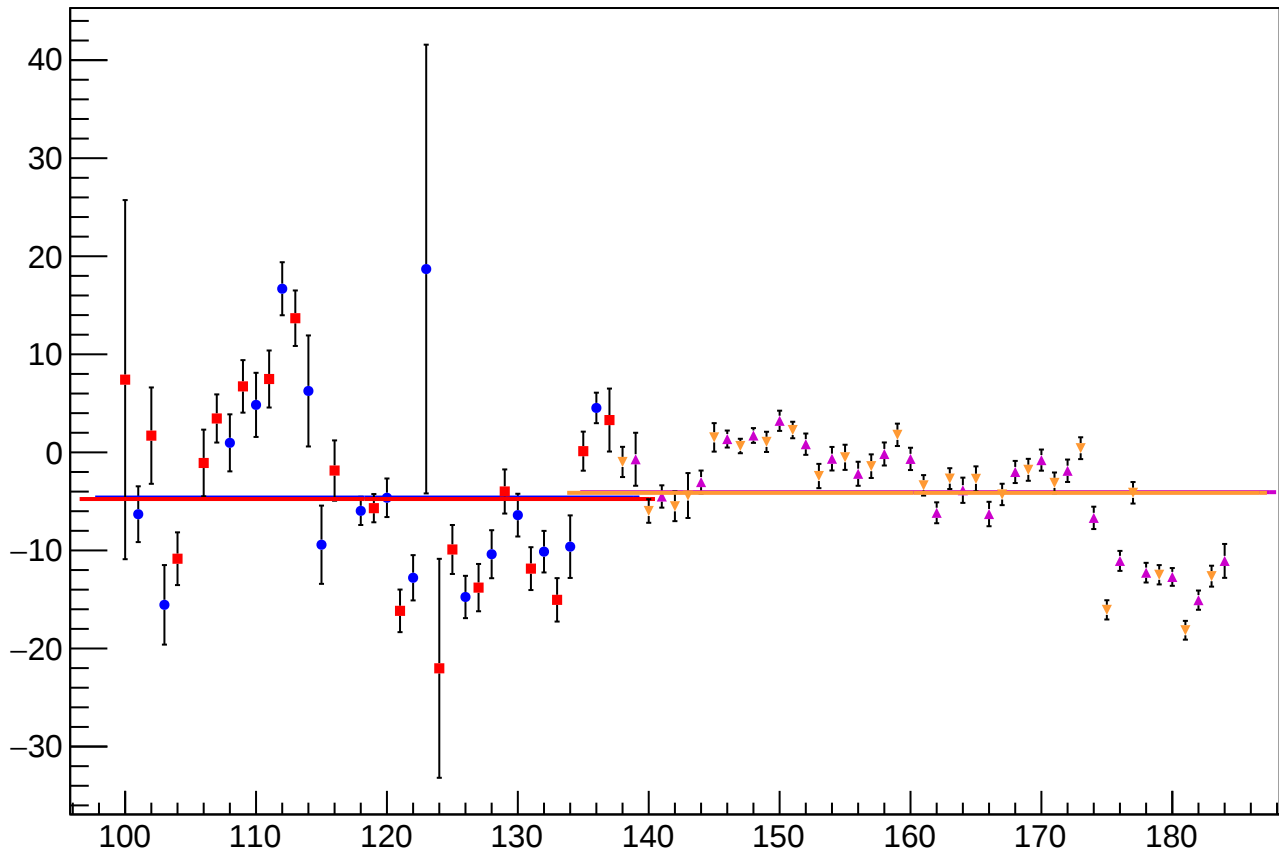
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 22.127+/-0.285 χ^2/NDF :900.2/22

Out: 22.003+/-0.285 χ^2/NDF :2185.5/23

All: 22.065+/-0.202 χ^2/NDF : 3085.9/46

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: -4.126 ± 0.225 χ^2/NDF : 712.9/23

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: -4.093 ± 0.160 χ^2/NDF : 1290.2/46

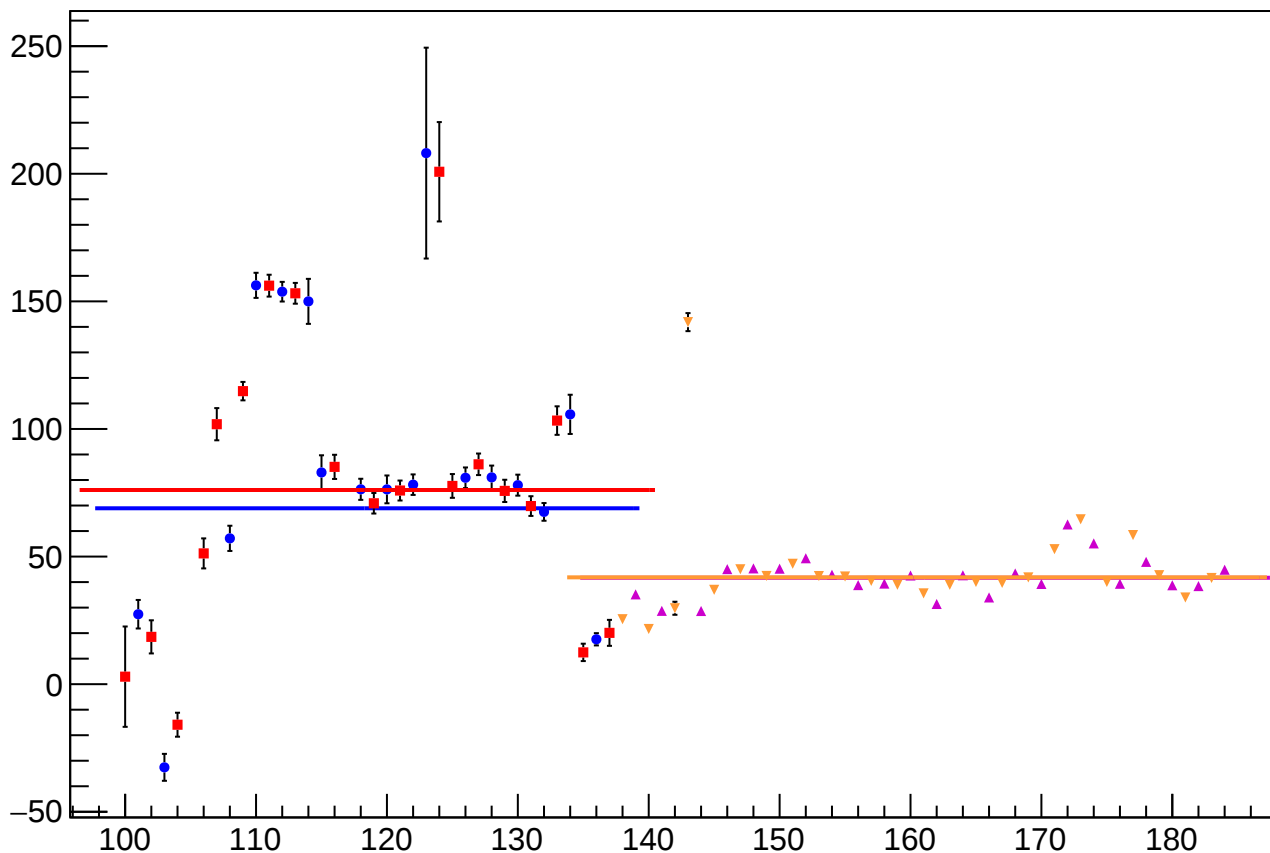
Right: -4.683 ± 0.415 χ^2/NDF : 365.7/35

In: -4.130 ± 0.213 χ^2/NDF : 751.4/39

Out: -4.207 ± 0.210 χ^2/NDF : 906.2/42

All: -4.169 ± 0.149 χ^2/NDF : 1657.6/82

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: 41.861 ± 0.285 $\chi^2/\text{NDF}: 1693.5/23$

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: 41.778 ± 0.201 $\chi^2/\text{NDF}: 2323.9/46$

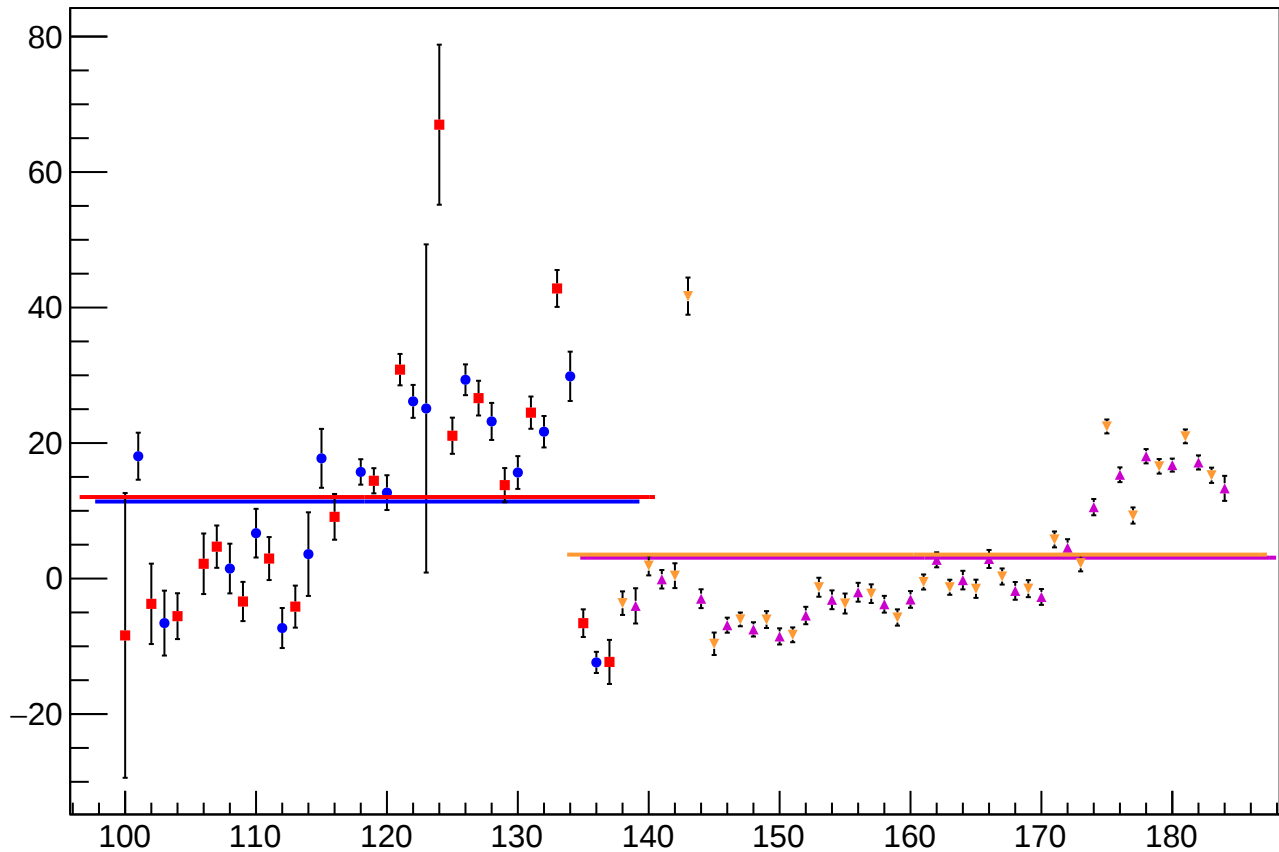
Right: 72.550 ± 0.763 $\chi^2/\text{NDF}: 3747.7/35$

In: 43.440 ± 0.275 $\chi^2/\text{NDF}: 3062.7/39$

Out: 44.114 ± 0.275 $\chi^2/\text{NDF}: 4527.6/42$

All: 43.777 ± 0.194 $\chi^2/\text{NDF}: 7593.3/82$

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: 3.536 ± 0.255 χ^2/NDF : 1637.8/23

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: 3.311 ± 0.181 χ^2/NDF : 2905.1/46

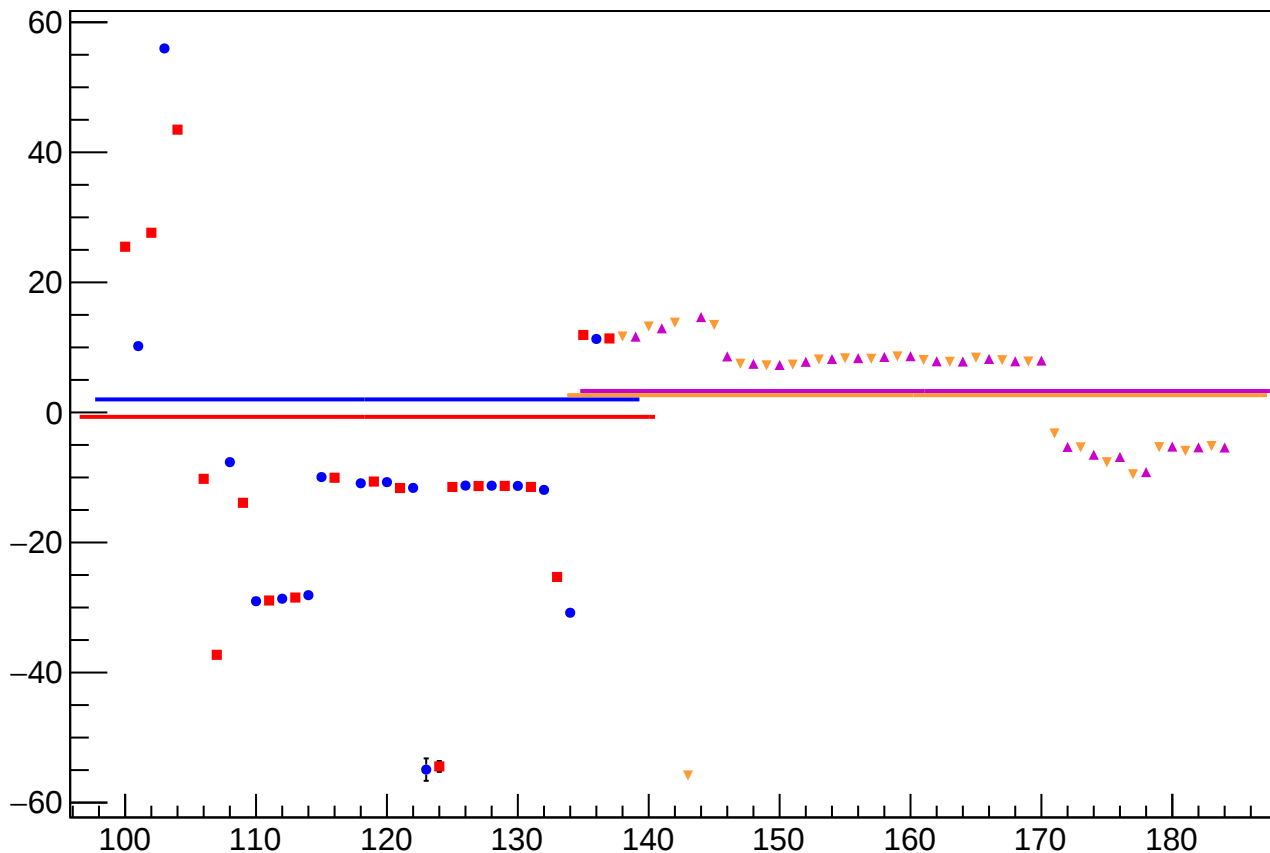
Right: 11.702 ± 0.471 χ^2/NDF : 1012.6/35

In: 4.153 ± 0.240 χ^2/NDF : 1874.5/39

Out: 4.622 ± 0.238 χ^2/NDF : 2317.9/42

All: 4.389 ± 0.169 χ^2/NDF : 4194.3/82

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 2.002 $\pm$ 0.037 χ^2 /NDF: 357872.4/16

Left Out: 2.655 $\pm$ 0.012 χ^2 /NDF:579342.4/23

Right Out: -0.678 $\pm$ 0.037 χ^2 /NDF: 360956.7/18

Left In: 3.293 $\pm$ 0.012 χ^2 /NDF:404323.8/22

Left: 2.975 $\pm$ 0.008 χ^2 /NDF: 985156.4/46

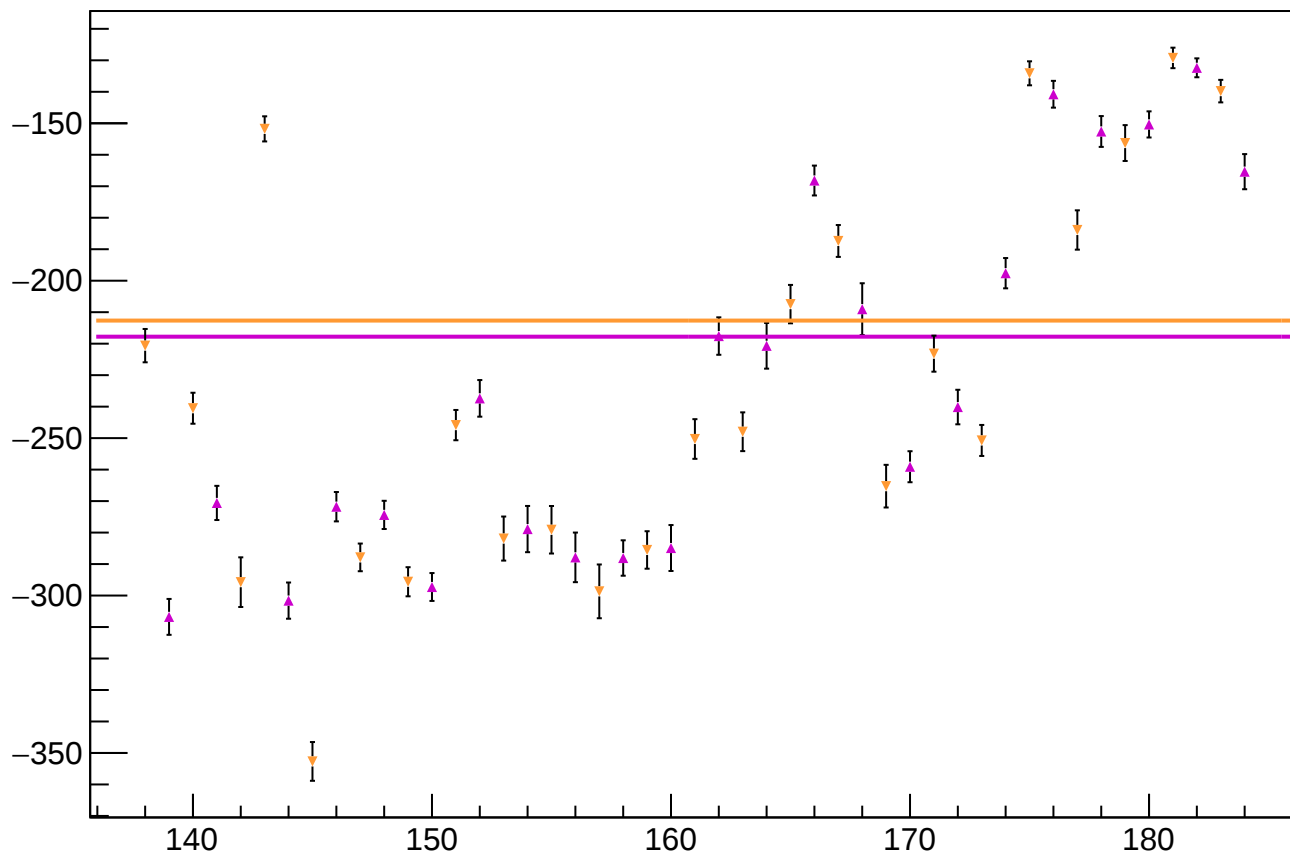
Right: 0.661 $\pm$ 0.026 χ^2 /NDF: 721427.3/35

In: 3.177 $\pm$ 0.011 χ^2 /NDF:763291.7/39

Out: 2.354 $\pm$ 0.011 χ^2 /NDF:947616.4/42

All: 2.767 $\pm$ 0.008 χ^2 /NDF: 1713634.6/82

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -212.663+/-1.047 χ^2/NDF :3818.5/23

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

Left In: -217.779+/-1.067 χ^2/NDF :3448.9/22

Left: -215.172+/-0.747 χ^2/NDF : 7279.1/46

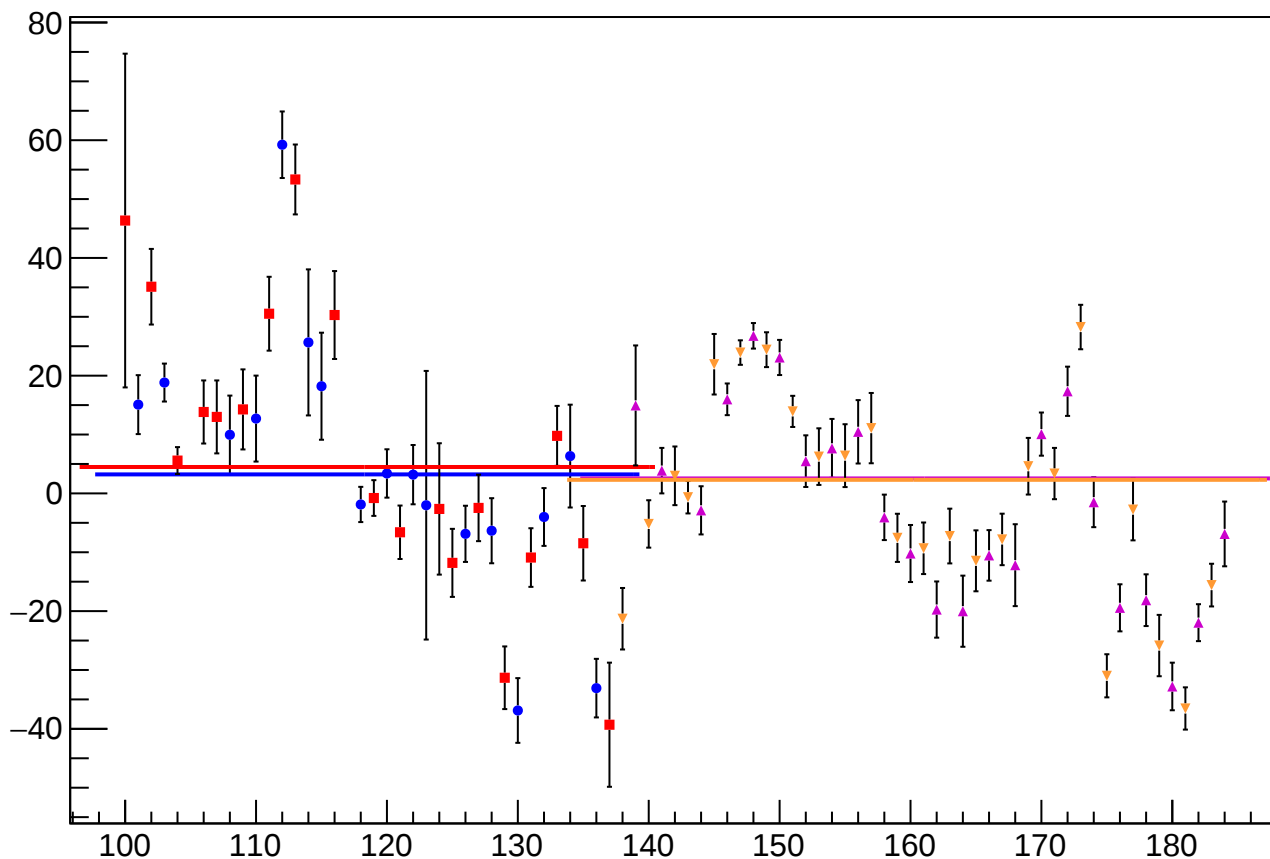
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -217.779+/-1.067 χ^2/NDF :3448.9/22

Out: -212.663+/-1.047 χ^2/NDF :3818.5/23

All: -215.172+/-0.747 χ^2/NDF : 7279.1/46

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.227 ± 1.246 $\chi^2/\text{NDF}: 255.1/16$

Left Out: 2.307 ± 0.786 $\chi^2/\text{NDF}: 557.2/23$

Right Out: 4.485 ± 1.158 $\chi^2/\text{NDF}: 225.1/18$

Left In: 2.540 ± 0.822 $\chi^2/\text{NDF}: 473.6/22$

Left: 2.419 ± 0.568 $\chi^2/\text{NDF}: 1030.8/46$

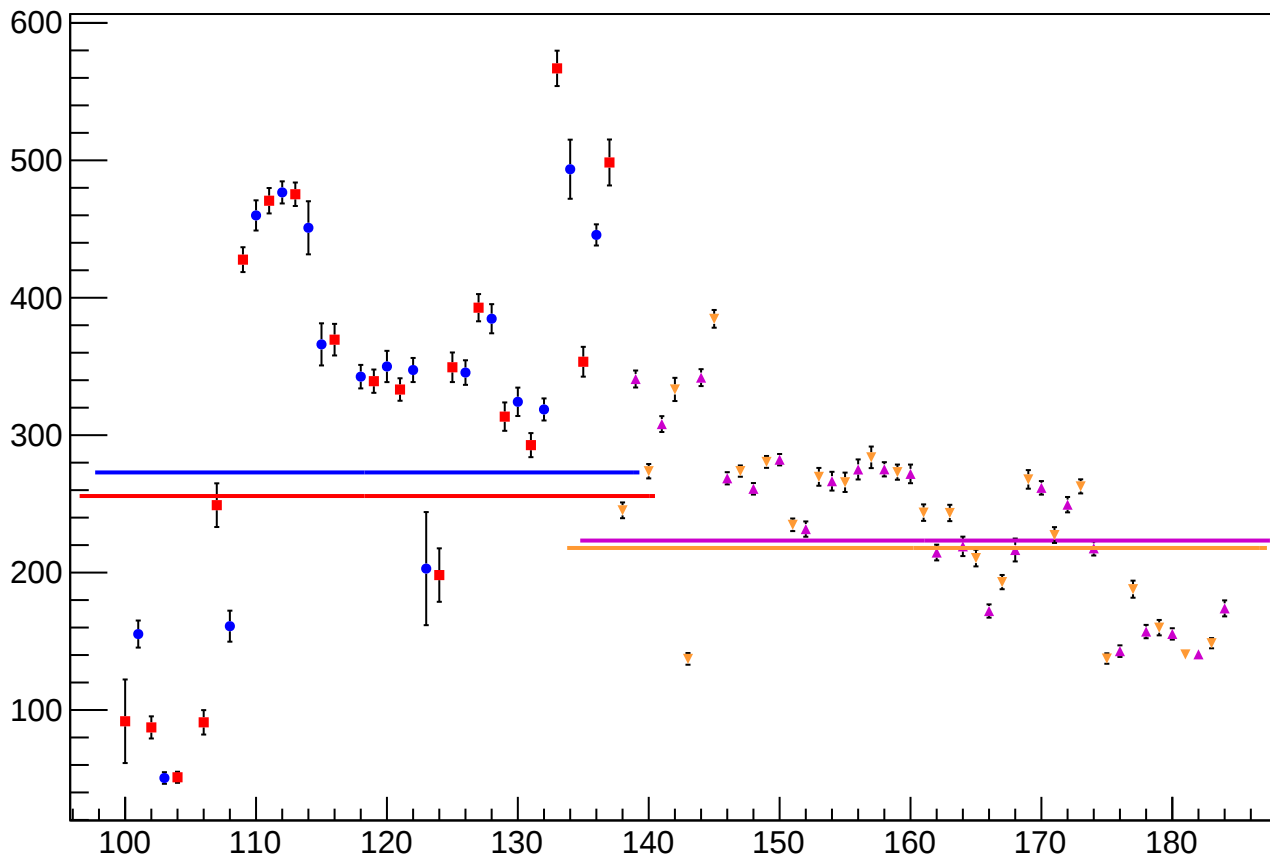
Right: 3.902 ± 0.848 $\chi^2/\text{NDF}: 480.8/35$

In: 2.749 ± 0.686 $\chi^2/\text{NDF}: 728.9/39$

Out: 2.994 ± 0.651 $\chi^2/\text{NDF}: 784.7/42$

All: 2.878 ± 0.472 $\chi^2/\text{NDF}: 1513.7/82$

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: 217.911 $\pm$ 1.048 χ^2 /NDF:3683.3/23

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: 220.574 $\pm$ 0.746 χ^2 /NDF: 7074.3/46

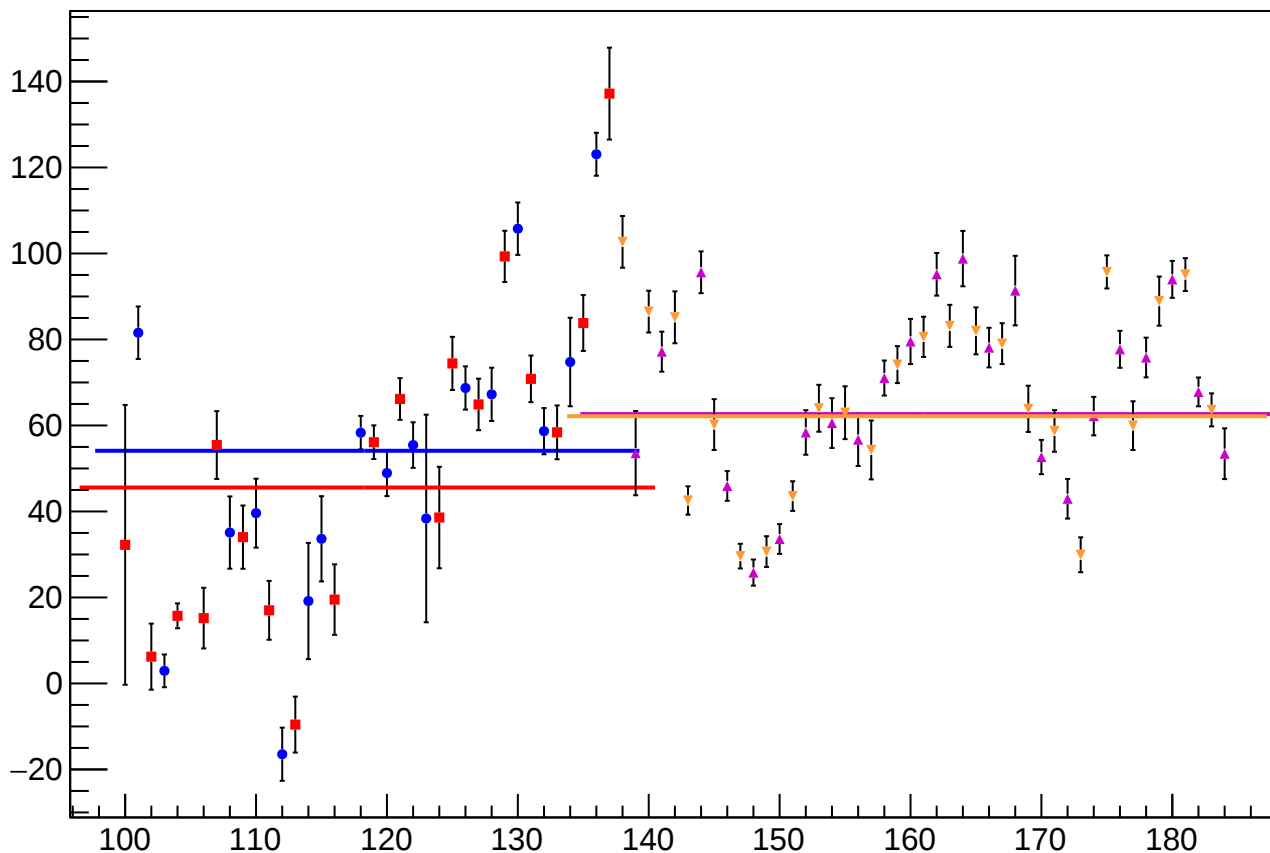
Right: 263.793 $\pm$ 1.515 χ^2 /NDF: 11556.6/35

In: 232.618 $\pm$ 0.957 χ^2 /NDF:8878.7/39

Out: 225.550 $\pm$ 0.936 χ^2 /NDF:10379.4/42

All: 229.006 $\pm$ 0.669 χ^2 /NDF: 19285.9/82

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: 62.150 $\pm$ 0.911 χ^2 /NDF:660.4/23

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: 62.386 $\pm$ 0.655 χ^2 /NDF: 1176.0/46

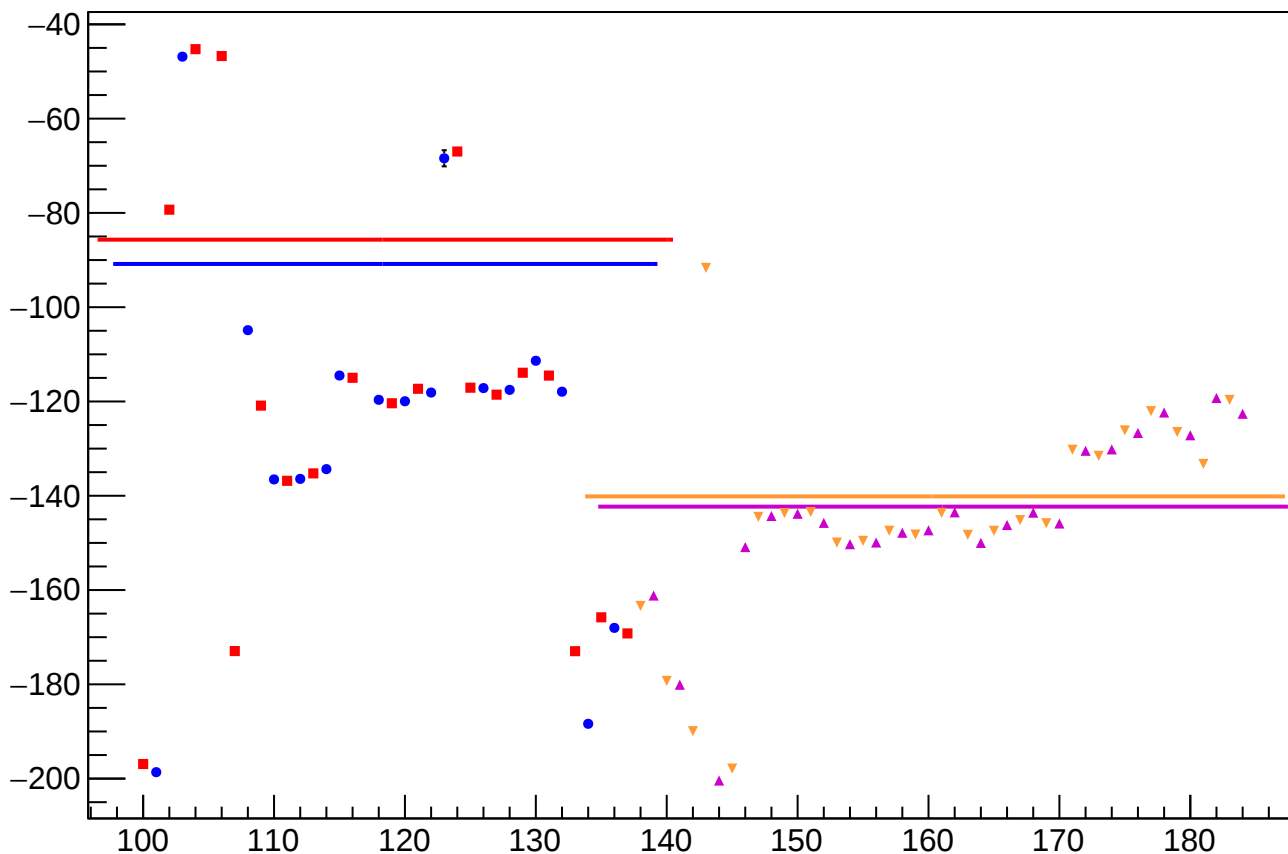
Right: 49.589 $\pm$ 0.989 χ^2 /NDF: 1180.1/35

In: 60.083 $\pm$ 0.789 χ^2 /NDF:1173.2/39

Out: 57.011 $\pm$ 0.757 χ^2 /NDF:1291.4/42

All: 58.483 $\pm$ 0.546 χ^2 /NDF: 2472.5/82

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: -140.137 ± 0.044 $\chi^2/\text{NDF}: 237498.7/23$

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: -141.211 ± 0.031 $\chi^2/\text{NDF}: 382071.8/46$

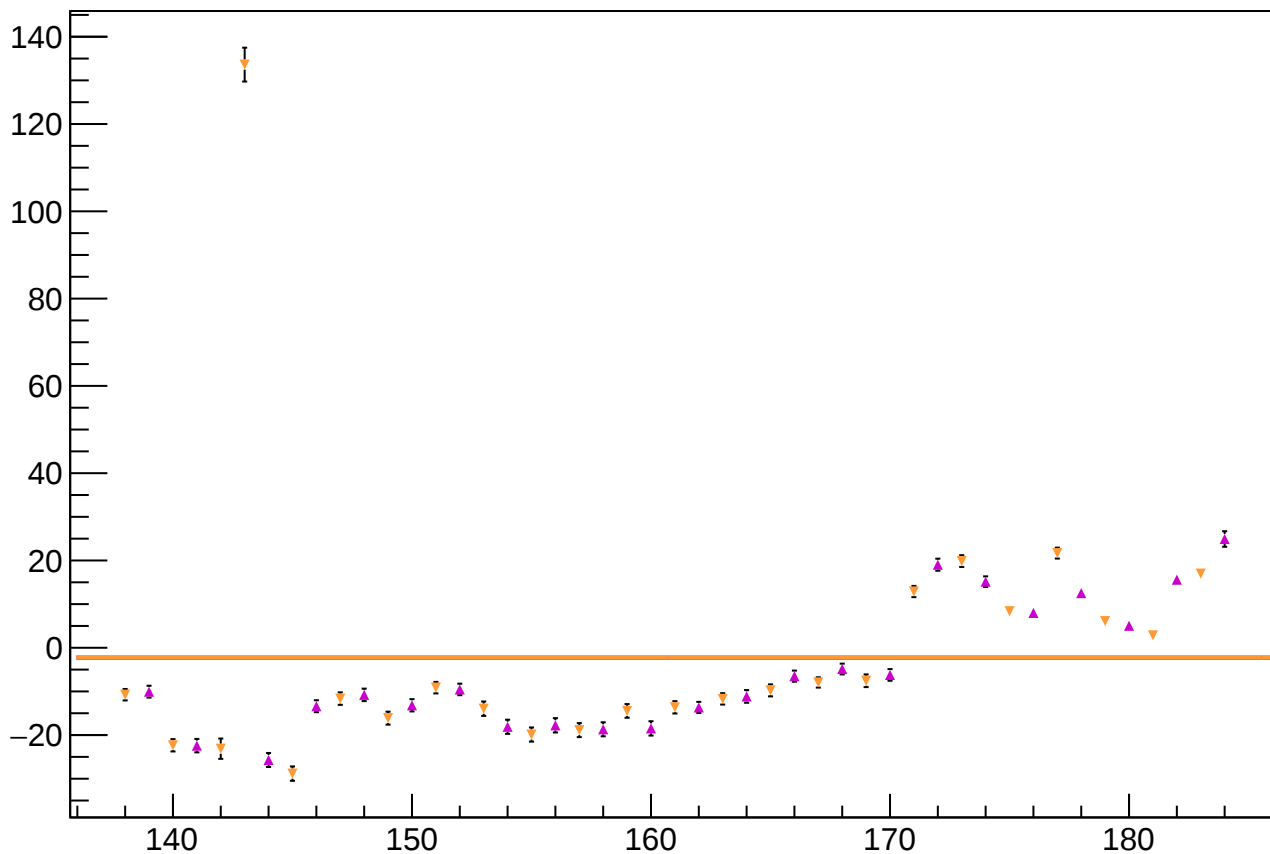
Right: -88.148 ± 0.047 $\chi^2/\text{NDF}: 1029854.7/35$

In: -127.015 ± 0.037 $\chi^2/\text{NDF}: 1081507.7/39$

Out: -123.239 ± 0.036 $\chi^2/\text{NDF}: 1213900.8/42$

All: -125.091 ± 0.026 $\chi^2/\text{NDF}: 2300727.1/82$

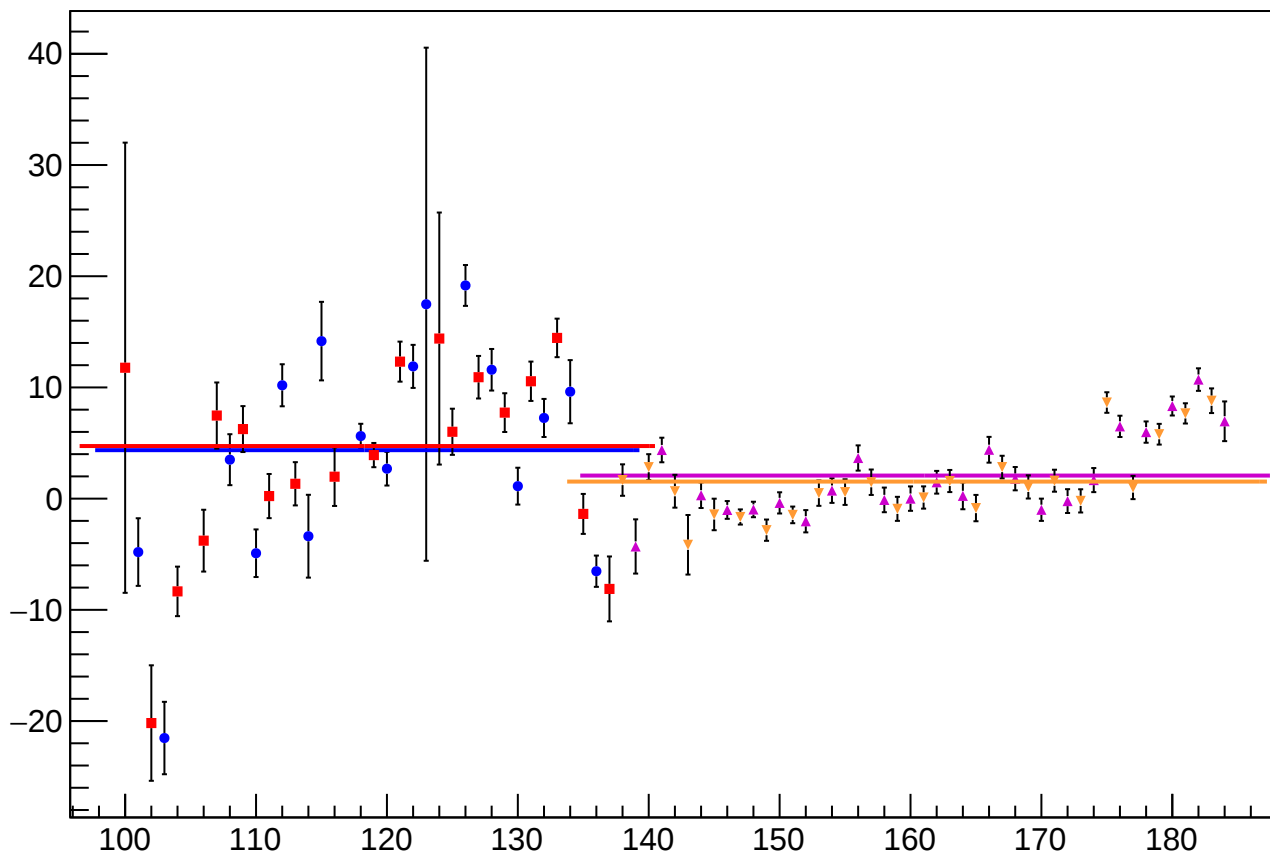
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.154+/-0.270 χ^2/NDF : 3799.2/23
 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: -2.212+/-0.191 χ^2/NDF : 6320.9/46
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.270+/-0.271 χ^2/NDF : 2521.6/22
 Out: -2.154+/-0.270 χ^2/NDF : 3799.2/23
 All: -2.212+/-0.191 χ^2/NDF : 6320.9/46

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: 1.534 $\pm$ 0.212 χ^2 /NDF:255.2/23

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: 1.800 $\pm$ 0.151 χ^2 /NDF: 532.9/46

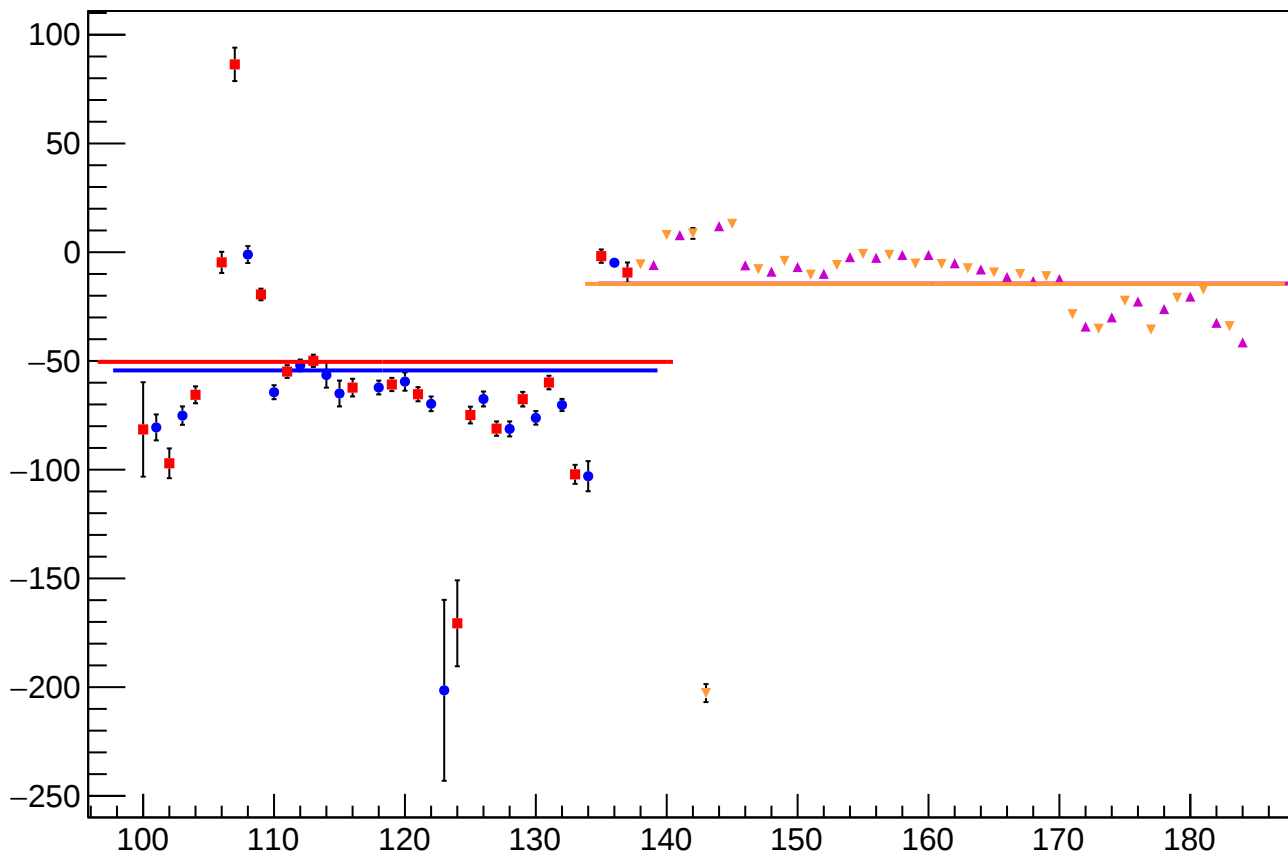
Right: 4.543 $\pm$ 0.334 χ^2 /NDF: 464.8/35

In: 2.468 $\pm$ 0.196 χ^2 /NDF:574.7/39

Out: 2.066 $\pm$ 0.193 χ^2 /NDF:476.8/42

All: 2.264 $\pm$ 0.138 χ^2 /NDF: 1053.6/82

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.358 $\pm$ 0.870 χ^2 /NDF: 1014.3/16

Left Out: -14.574 $\pm$ 0.269 χ^2 /NDF: 4140.0/23

Right Out: -50.421 $\pm$ 0.859 χ^2 /NDF: 1316.6/18

Left In: -14.406 $\pm$ 0.269 χ^2 /NDF: 2032.4/22

Left: -14.490 $\pm$ 0.190 χ^2 /NDF: 6172.6/46

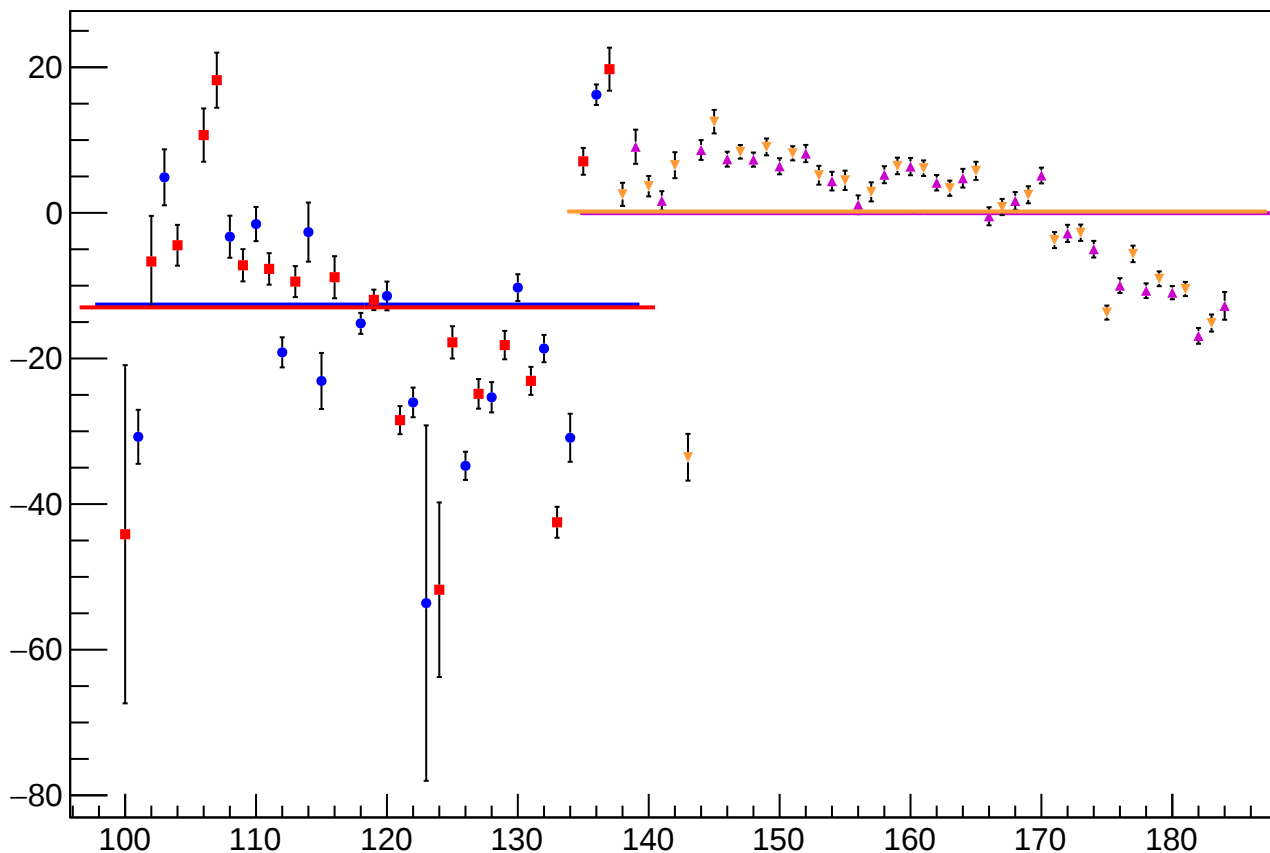
Right: -52.364 $\pm$ 0.611 χ^2 /NDF: 2341.3/35

In: -17.893 $\pm$ 0.257 χ^2 /NDF: 4970.5/39

Out: -17.770 $\pm$ 0.257 χ^2 /NDF: 7042.5/42

All: -17.831 $\pm$ 0.182 χ^2 /NDF: 12013.1/82

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: 0.189 ± 0.240 χ^2/NDF : 1141.9/23

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: 0.074 ± 0.171 χ^2/NDF : 2170.5/46

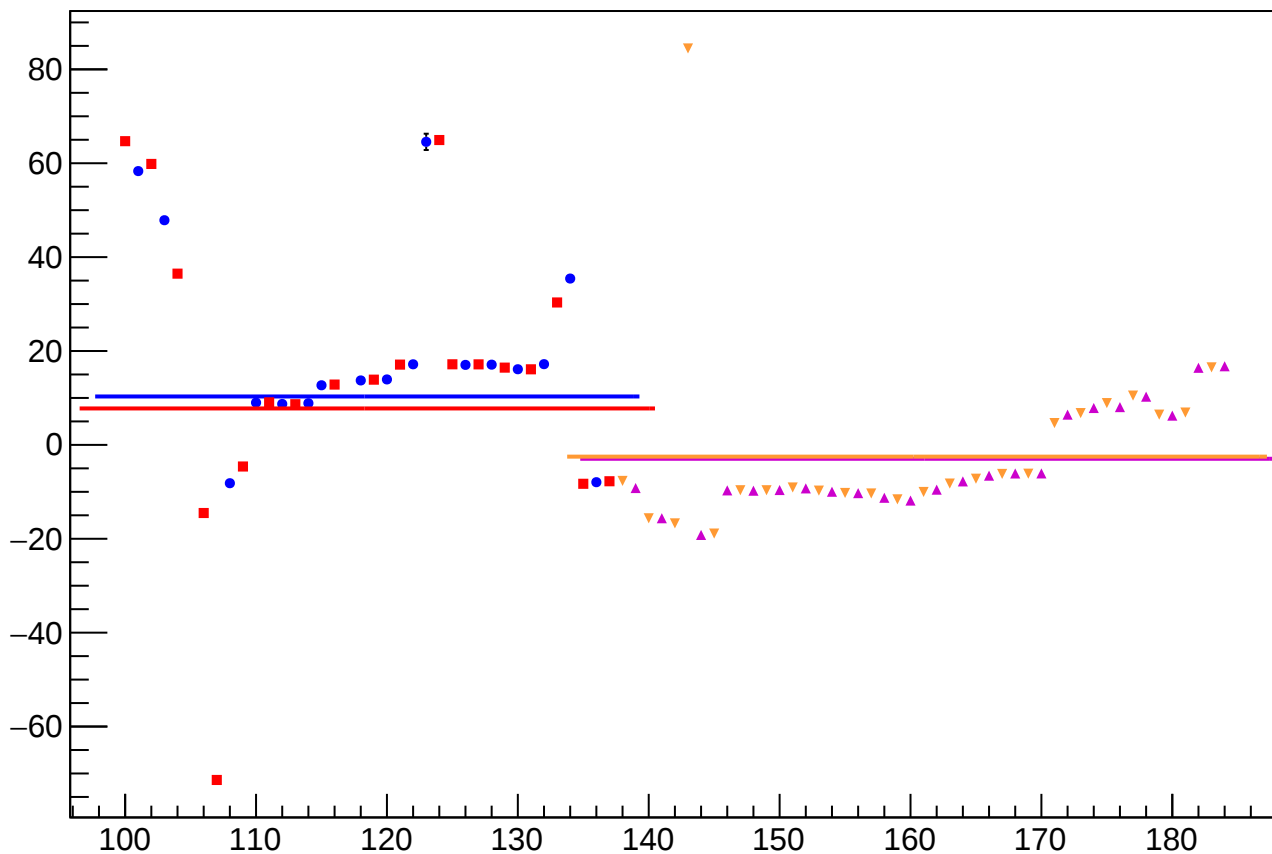
Right: -12.786 ± 0.380 χ^2/NDF : 1501.9/35

In: -2.173 ± 0.221 χ^2/NDF : 2260.2/39

Out: -1.993 ± 0.219 χ^2/NDF : 2362.7/42

All: -2.082 ± 0.156 χ^2/NDF : 4623.3/82

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.315 ± 0.031 $\chi^2/\text{NDF}: 380737.7/16$

Left Out: -2.503 ± 0.011 $\chi^2/\text{NDF}: 998636.0/23$

Right Out: 7.762 ± 0.031 $\chi^2/\text{NDF}: 543895.1/18$

Left In: -2.959 ± 0.011 $\chi^2/\text{NDF}: 763000.9/22$

Left: -2.731 ± 0.008 $\chi^2/\text{NDF}: 1762494.1/46$

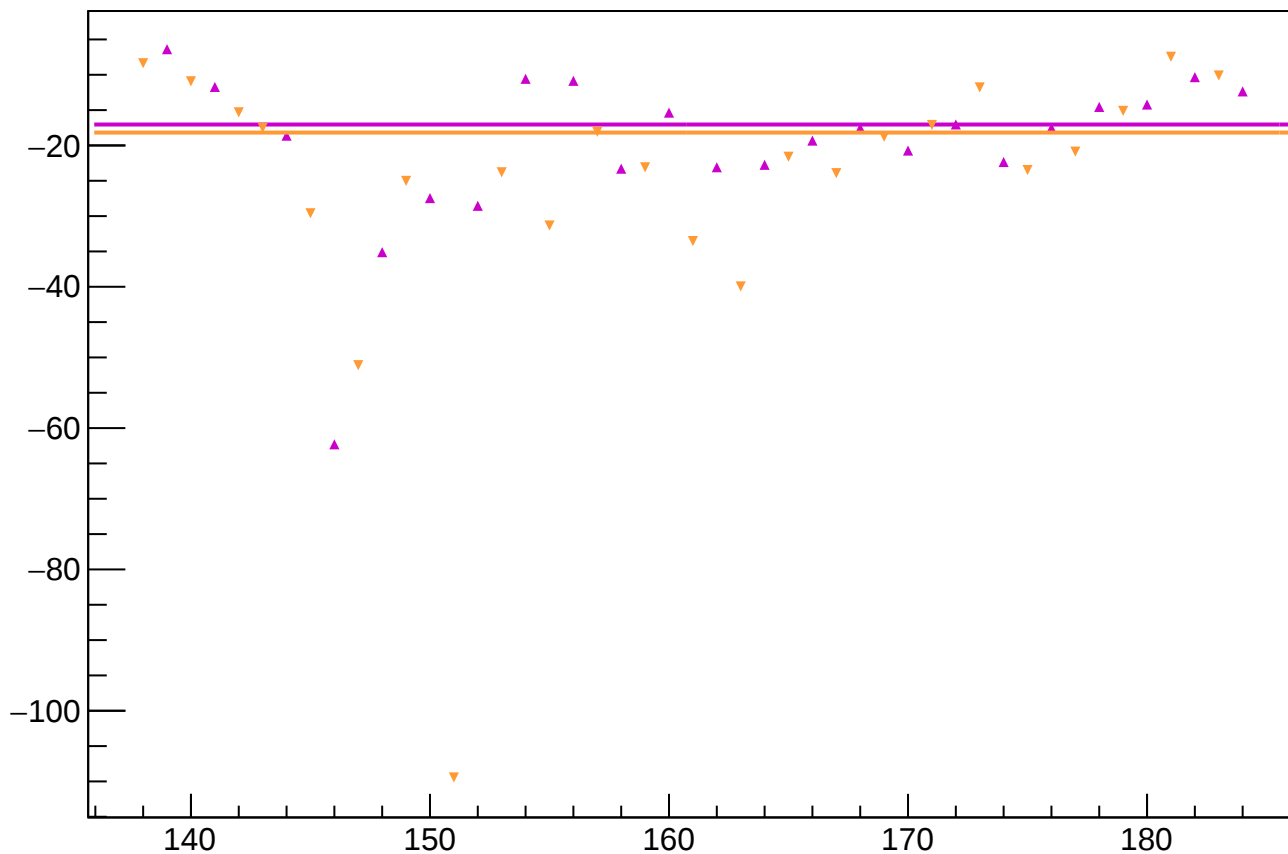
Right: 9.064 ± 0.022 $\chi^2/\text{NDF}: 928013.8/35$

In: -1.450 ± 0.010 $\chi^2/\text{NDF}: 1309185.8/39$

Out: -1.372 ± 0.010 $\chi^2/\text{NDF}: 1637963.8/42$

All: -1.411 ± 0.007 $\chi^2/\text{NDF}: 2947178.1/82$

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -18.178+/-0.039 χ^2/NDF : 88457.3/23

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

Left In: -17.038+/-0.038 χ^2/NDF : 44141.1/22

Left: -17.589+/-0.027 χ^2/NDF : 133029.5/46

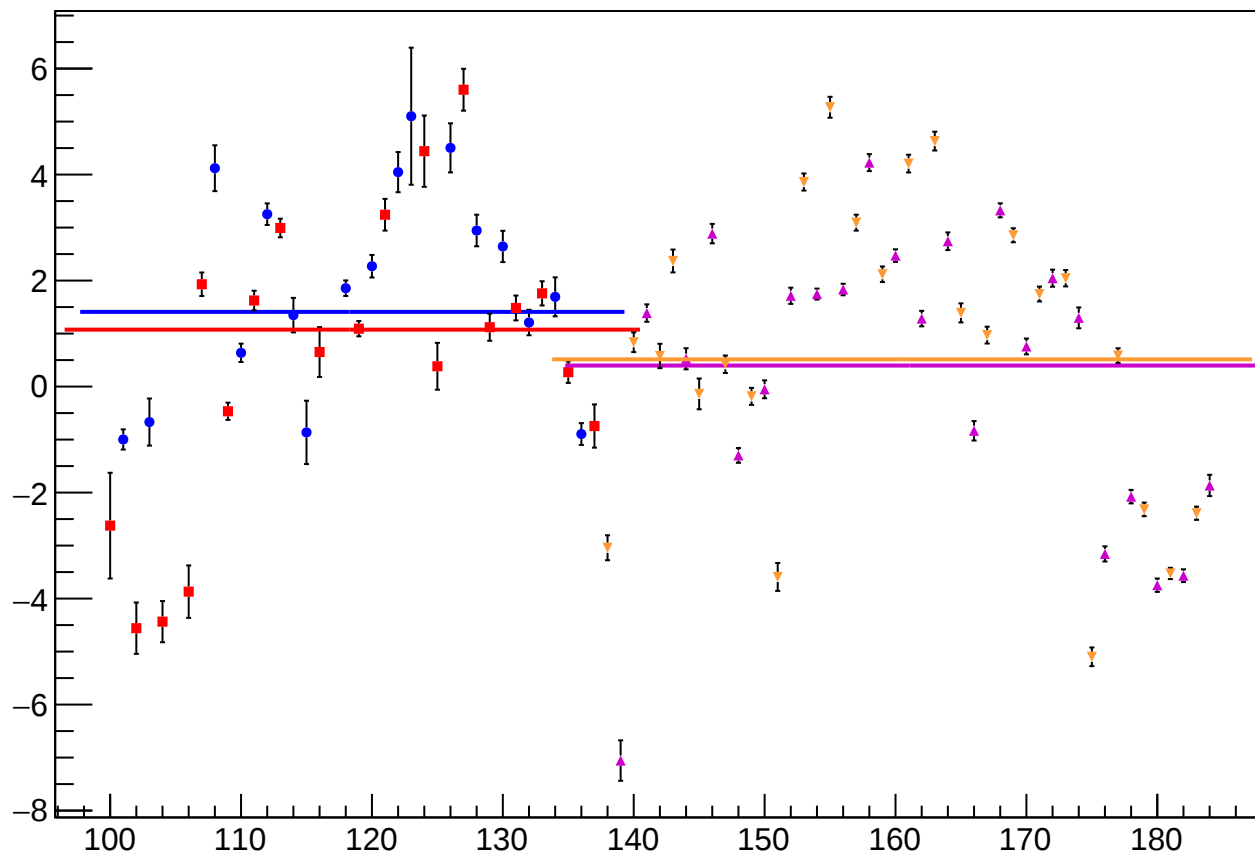
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.038+/-0.038 χ^2/NDF : 44141.1/22

Out: -18.178+/-0.039 χ^2/NDF : 88457.3/23

All: -17.589+/-0.027 χ^2/NDF : 133029.5/46

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.409 $\pm$ 0.062 χ^2 /NDF: 634.6/16

Left Out: 0.514 $\pm$ 0.033 χ^2 /NDF: 7032.7/23

Right Out: 1.074 $\pm$ 0.058 χ^2 /NDF: 942.5/18

Left In: 0.397 $\pm$ 0.031 χ^2 /NDF: 6235.6/22

Left: 0.452 $\pm$ 0.022 χ^2 /NDF: 13275.1/46

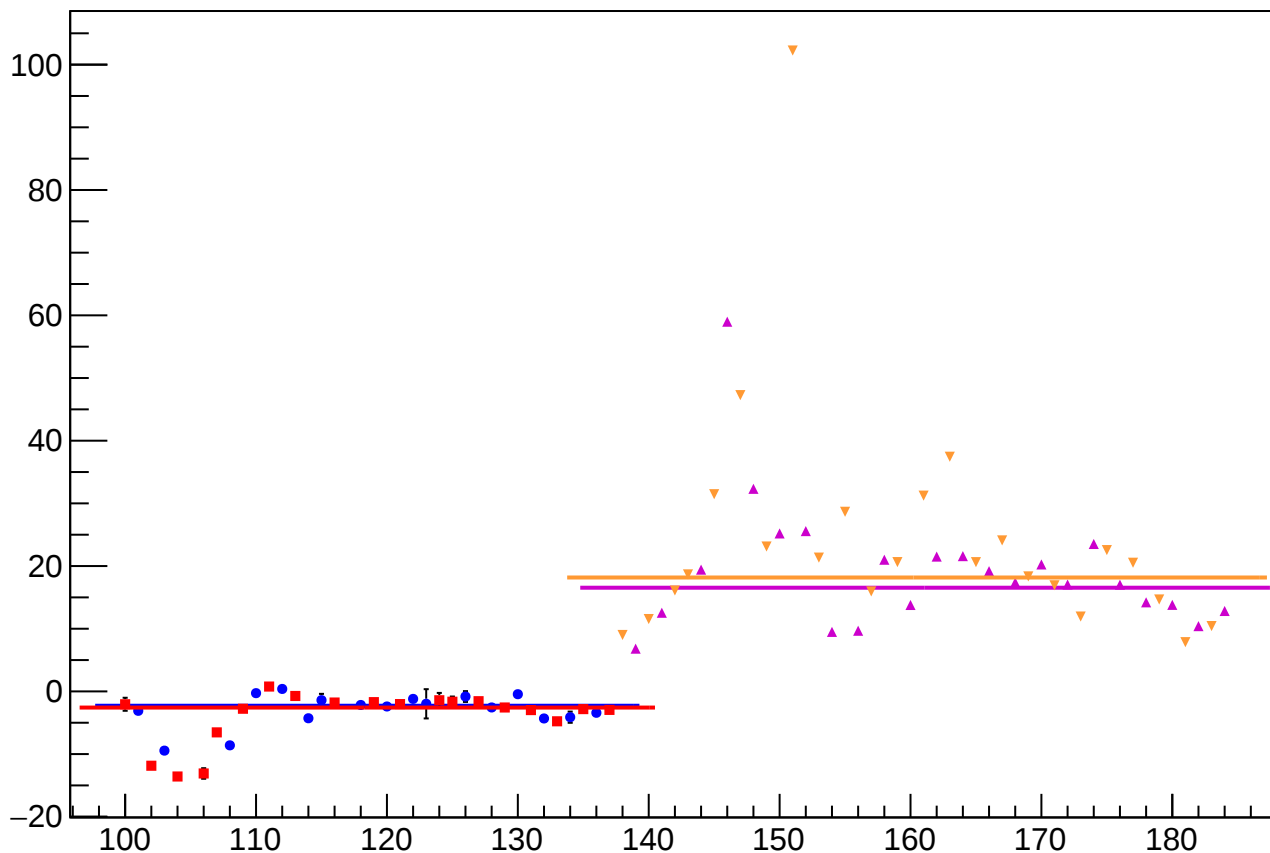
Right: 1.231 $\pm$ 0.042 χ^2 /NDF: 1592.6/35

In: 0.596 $\pm$ 0.028 χ^2 /NDF: 7083.9/39

Out: 0.649 $\pm$ 0.029 χ^2 /NDF: 8045.9/42

All: 0.622 $\pm$ 0.020 χ^2 /NDF: 15131.6/82

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: 18.173 ± 0.040 χ^2/NDF : 77798.2/23

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: 17.319 ± 0.027 χ^2/NDF : 119540.5/46

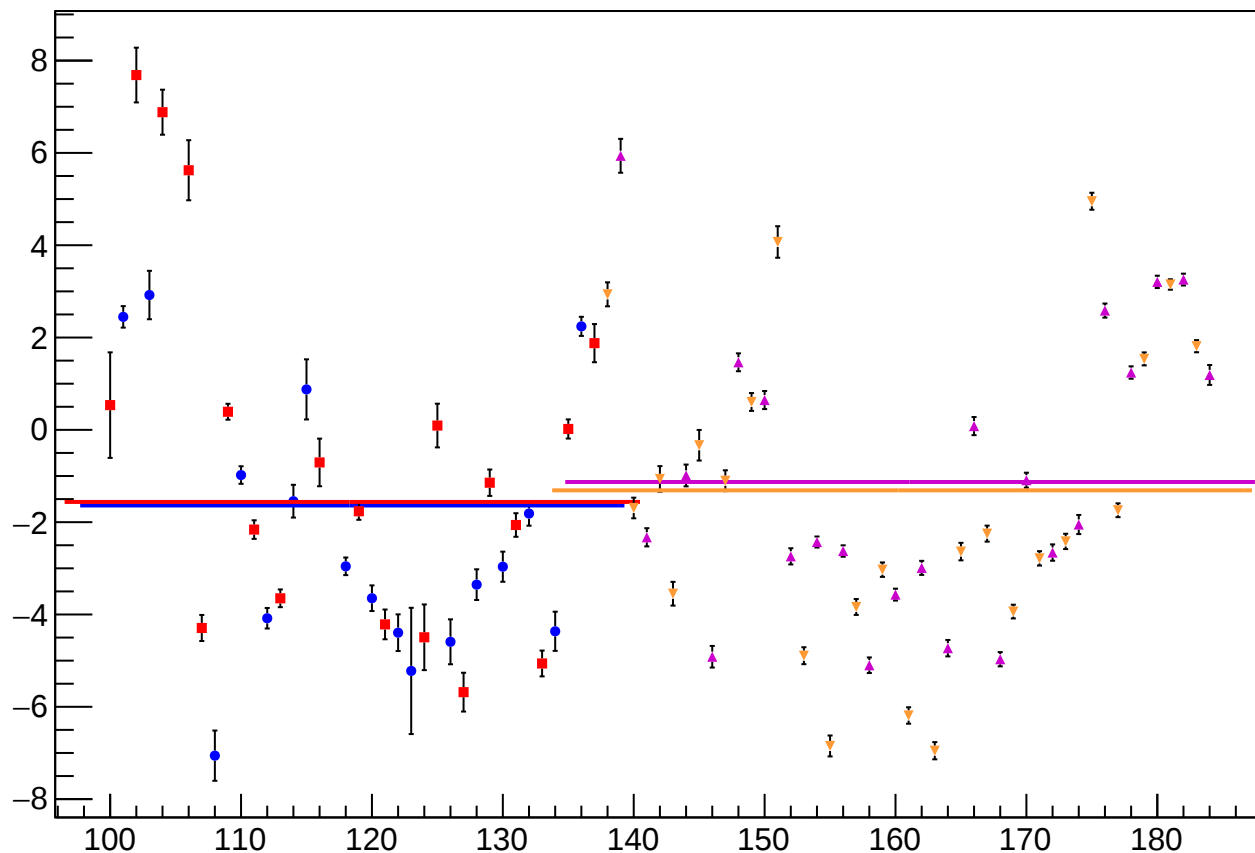
Right: -2.451 ± 0.074 χ^2/NDF : 1342.9/35

In: 14.606 ± 0.036 χ^2/NDF : 66880.1/39

Out: 15.306 ± 0.037 χ^2/NDF : 116605.7/42

All: 14.946 ± 0.026 χ^2/NDF : 183671.8/82

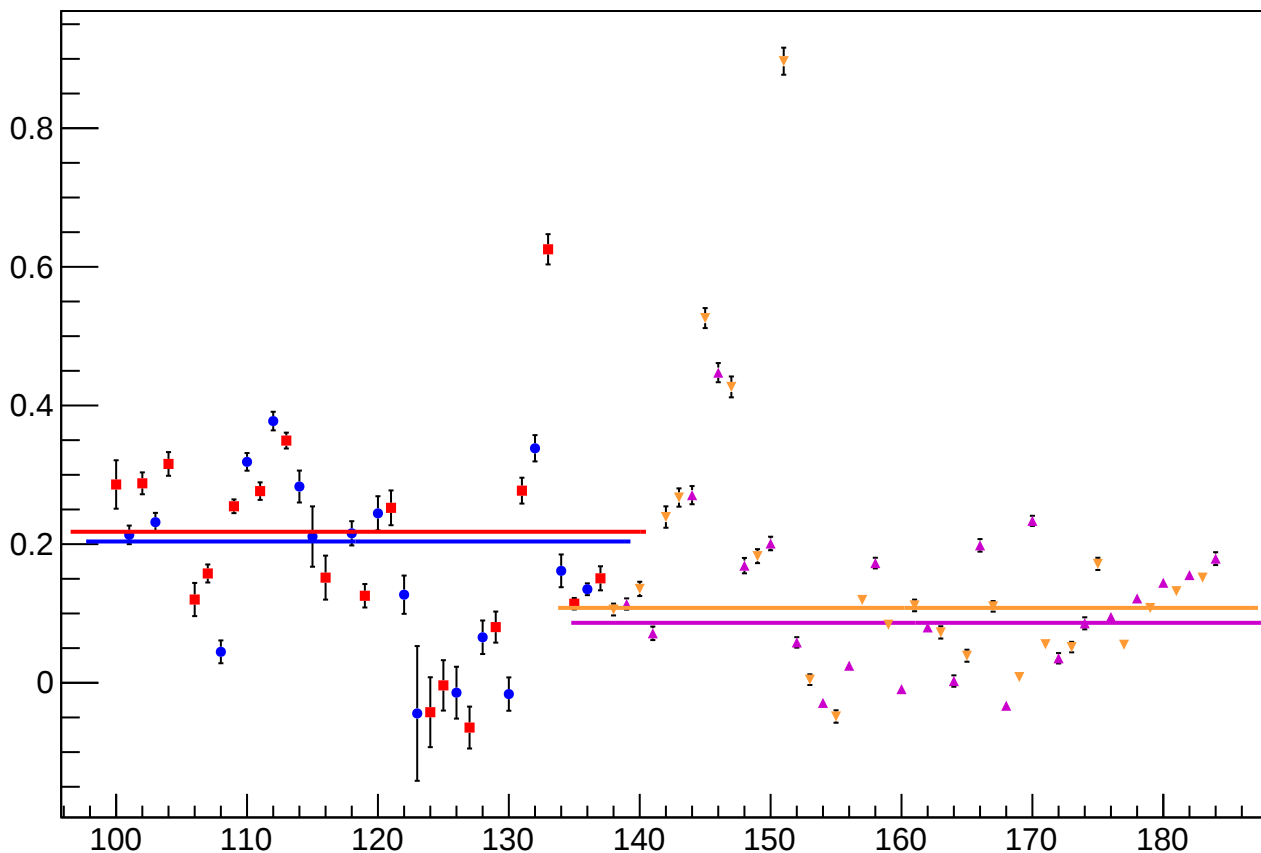
reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.638 ± 0.071 $\chi^2/\text{NDF}: 1258.5/16$
 Left Out: -1.310 ± 0.036 $\chi^2/\text{NDF}: 7897.5/23$
 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: -1.214 ± 0.025 $\chi^2/\text{NDF}: 14650.9/46$
 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: -1.369 ± 0.032 $\chi^2/\text{NDF}: 9412.5/42$
 All: -1.295 ± 0.022 $\chi^2/\text{NDF}: 17463.4/82$

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.204 ± 0.004 χ^2/NDF : 645.6/16

Left Out: 0.108 ± 0.002 χ^2/NDF : 4312.3/23

Right Out: 0.218 ± 0.004 χ^2/NDF : 1016.1/18

Left In: 0.087 ± 0.002 χ^2/NDF : 3655.4/22

Left: 0.096 ± 0.001 χ^2/NDF : 8062.4/46

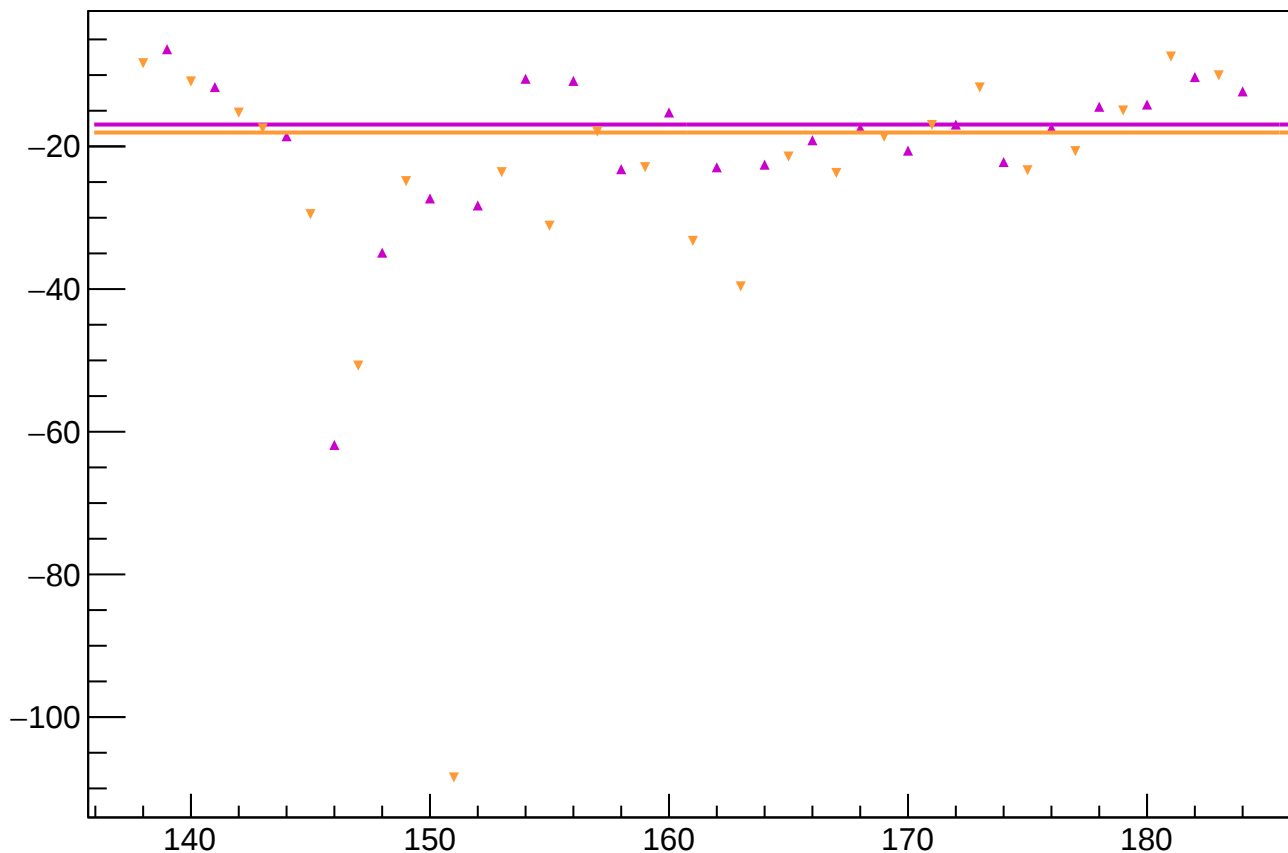
Right: 0.212 ± 0.003 χ^2/NDF : 1668.1/35

In: 0.100 ± 0.001 χ^2/NDF : 5005.0/39

Out: 0.126 ± 0.001 χ^2/NDF : 6066.4/42

All: 0.112 ± 0.001 χ^2/NDF : 11230.4/82

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: -18.055+/-0.039 χ^2/NDF : 88295.0/23

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: -17.476+/-0.027 χ^2/NDF : 132778.1/46

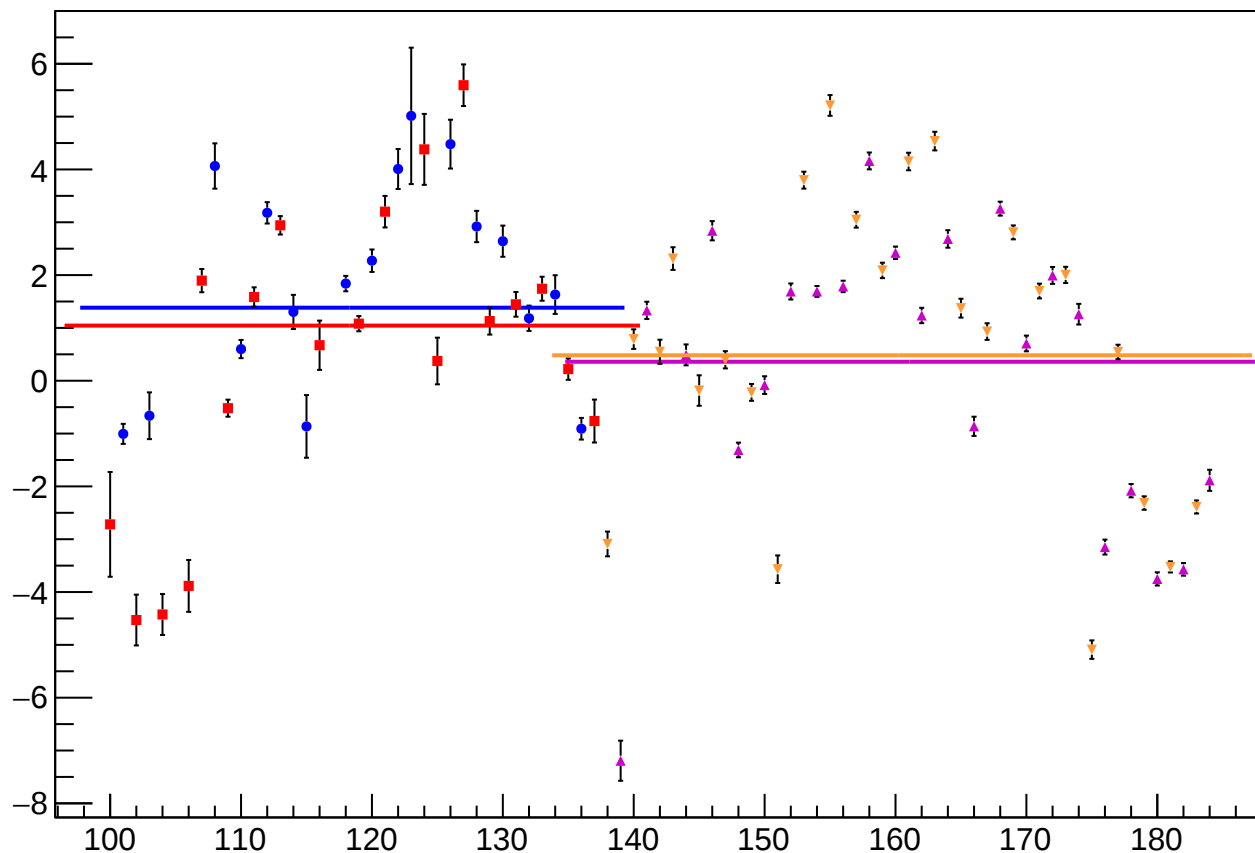
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -16.934+/-0.038 χ^2/NDF : 44060.6/22

Out: -18.055+/-0.039 χ^2/NDF : 88295.0/23

All: -17.476+/-0.027 χ^2/NDF : 132778.1/46

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.383 $\pm$ 0.062 χ^2 /NDF: 632.3/16

Left Out: 0.482 $\pm$ 0.033 χ^2 /NDF: 7016.5/23

Right Out: 1.044 $\pm$ 0.058 χ^2 /NDF: 947.0/18

Left In: 0.360 $\pm$ 0.031 χ^2 /NDF: 6221.1/22

Left: 0.417 $\pm$ 0.022 χ^2 /NDF: 13245.1/46

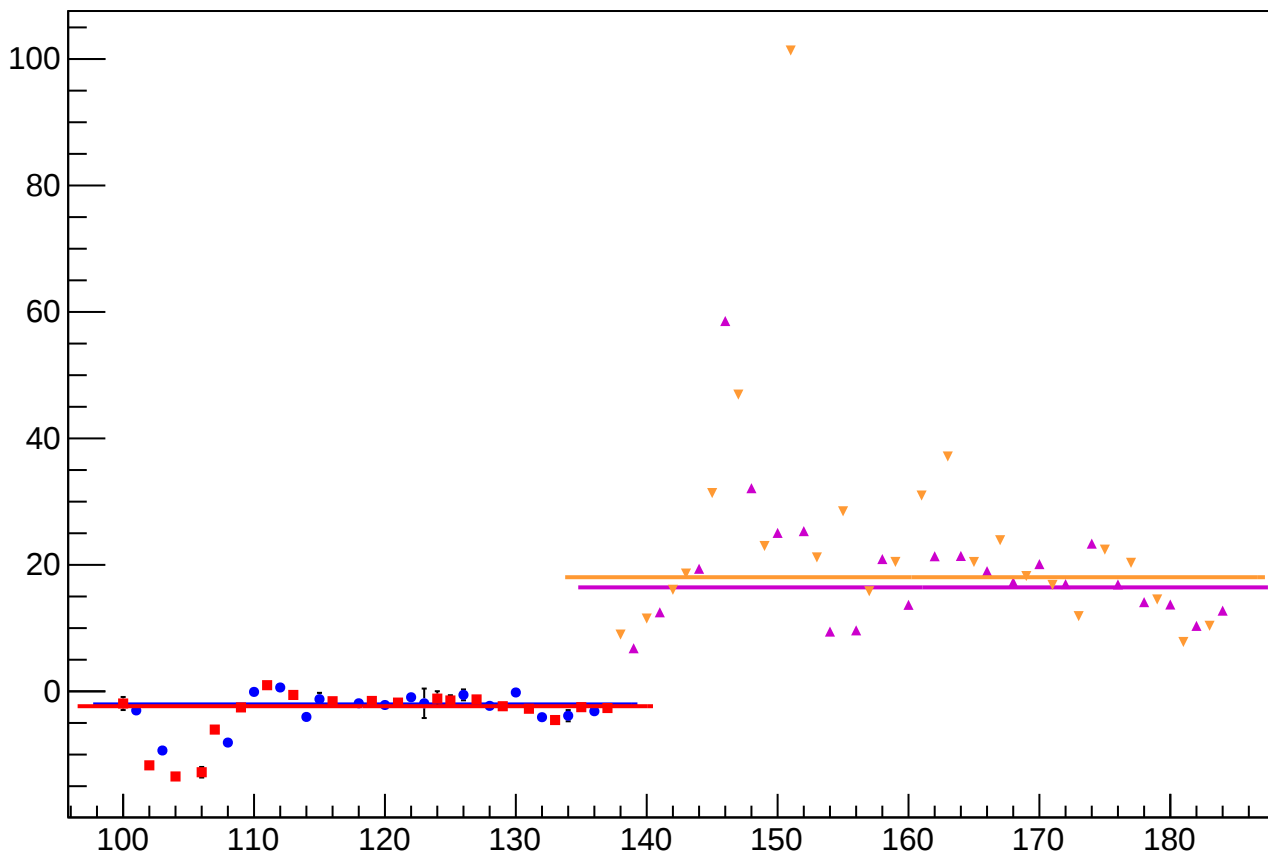
Right: 1.202 $\pm$ 0.042 χ^2 /NDF: 1595.3/35

In: 0.560 $\pm$ 0.027 χ^2 /NDF: 7073.9/39

Out: 0.617 $\pm$ 0.028 χ^2 /NDF: 8035.4/42

All: 0.588 $\pm$ 0.020 χ^2 /NDF: 15111.4/82

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: 18.049+/-0.039 χ^2/NDF : 77666.6/23

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: 17.208+/-0.027 χ^2/NDF : 119320.6/46

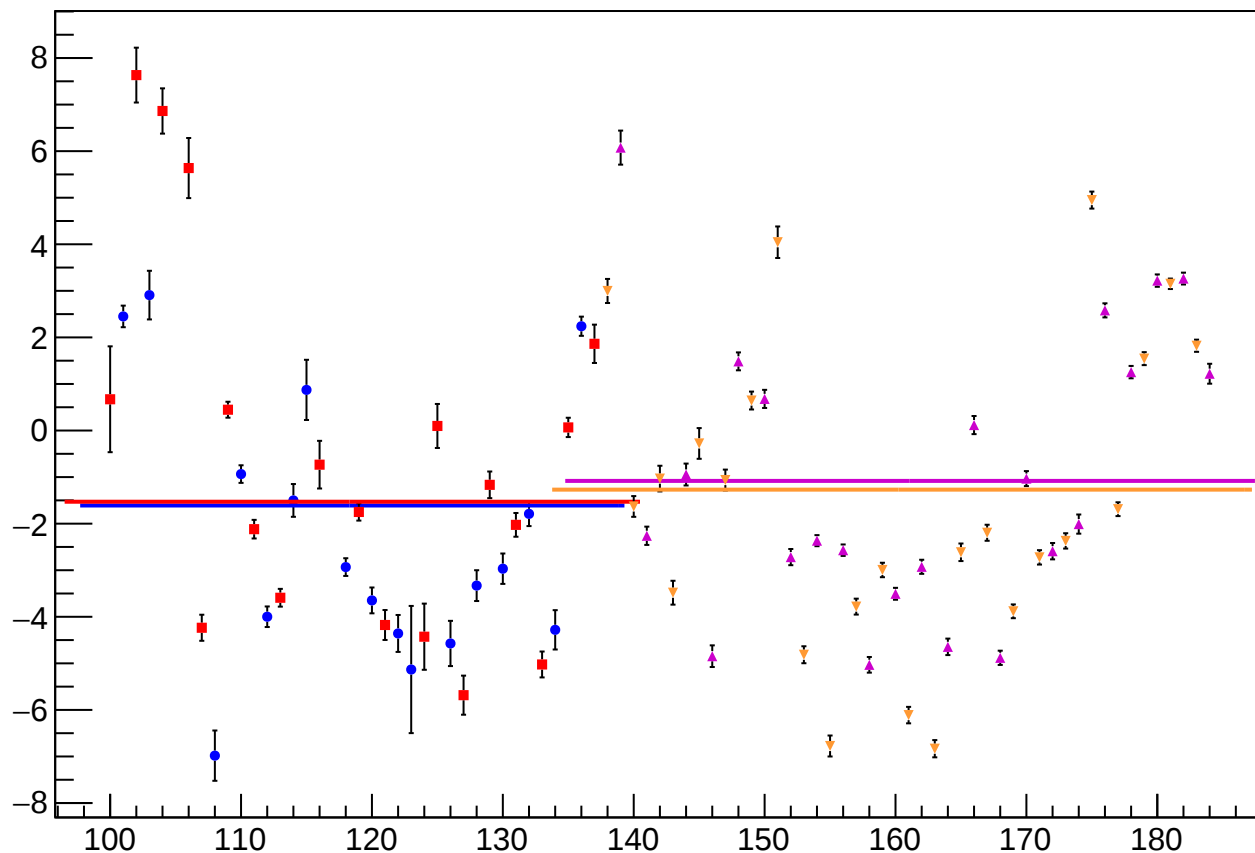
Right: -2.226+/-0.074 χ^2/NDF : 1348.7/35

In: 14.545+/-0.036 χ^2/NDF : 66193.4/39

Out: 15.239+/-0.037 χ^2/NDF : 115618.7/42

All: 14.882+/-0.025 χ^2/NDF : 181997.4/82

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



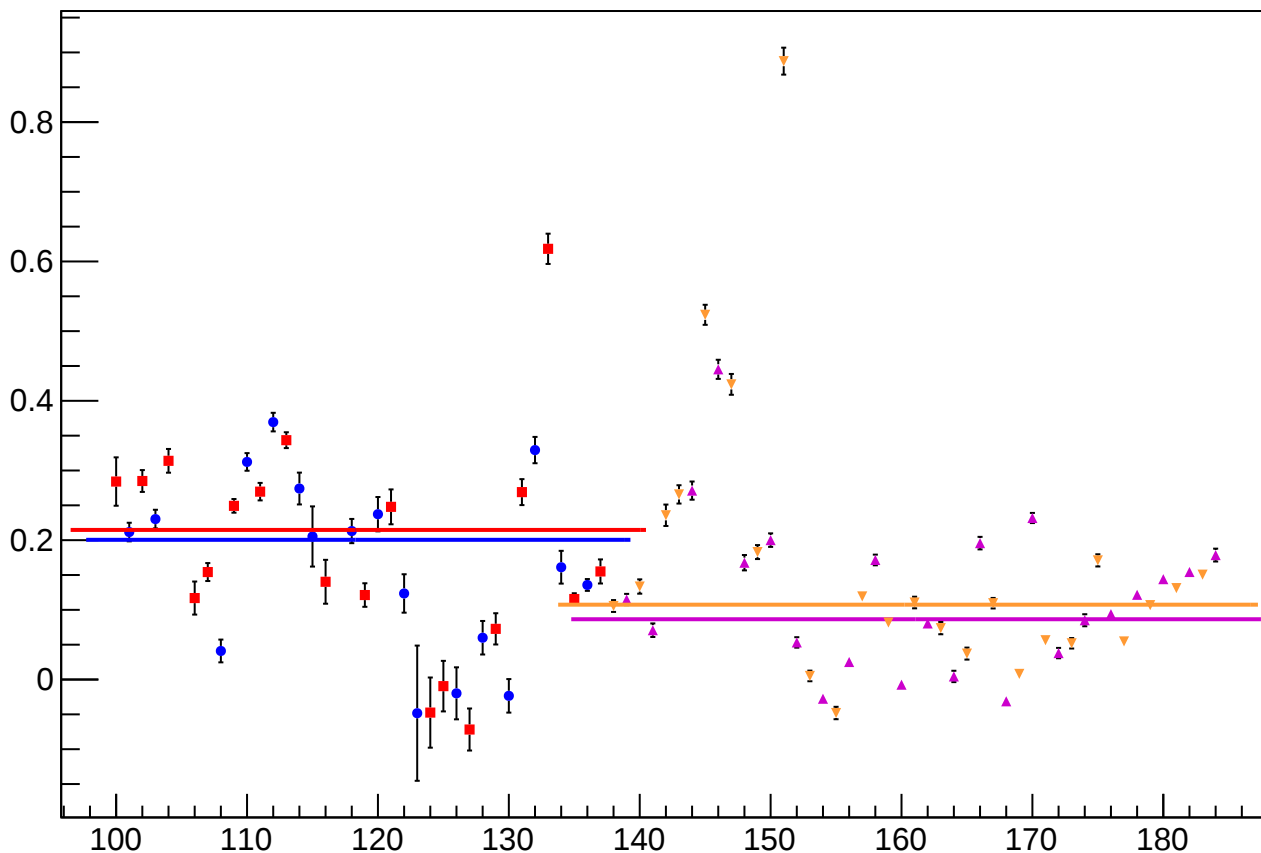
Right In: -1.610 ± 0.071 $\chi^2/\text{NDF}: 1253.3/16$
 Left Out: -1.269 ± 0.036 $\chi^2/\text{NDF}: 7878.5/23$
 Right Out: -1.529 ± 0.065 $\chi^2/\text{NDF}: 1507.9/18$
 Left In: -1.082 ± 0.034 $\chi^2/\text{NDF}: 6724.1/22$

Left: -1.170 ± 0.025 $\chi^2/\text{NDF}: 14616.9/46$
 Right: -1.566 ± 0.048 $\chi^2/\text{NDF}: 2761.9/35$

In: -1.180 ± 0.031 $\chi^2/\text{NDF}: 8022.4/39$
 Out: -1.330 ± 0.032 $\chi^2/\text{NDF}: 9398.5/42$

All: -1.253 ± 0.022 $\chi^2/\text{NDF}: 17432.5/82$

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: 0.107 ± 0.002 χ^2/NDF : 4303.5/23

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: 0.096 ± 0.001 χ^2/NDF : 8019.0/46

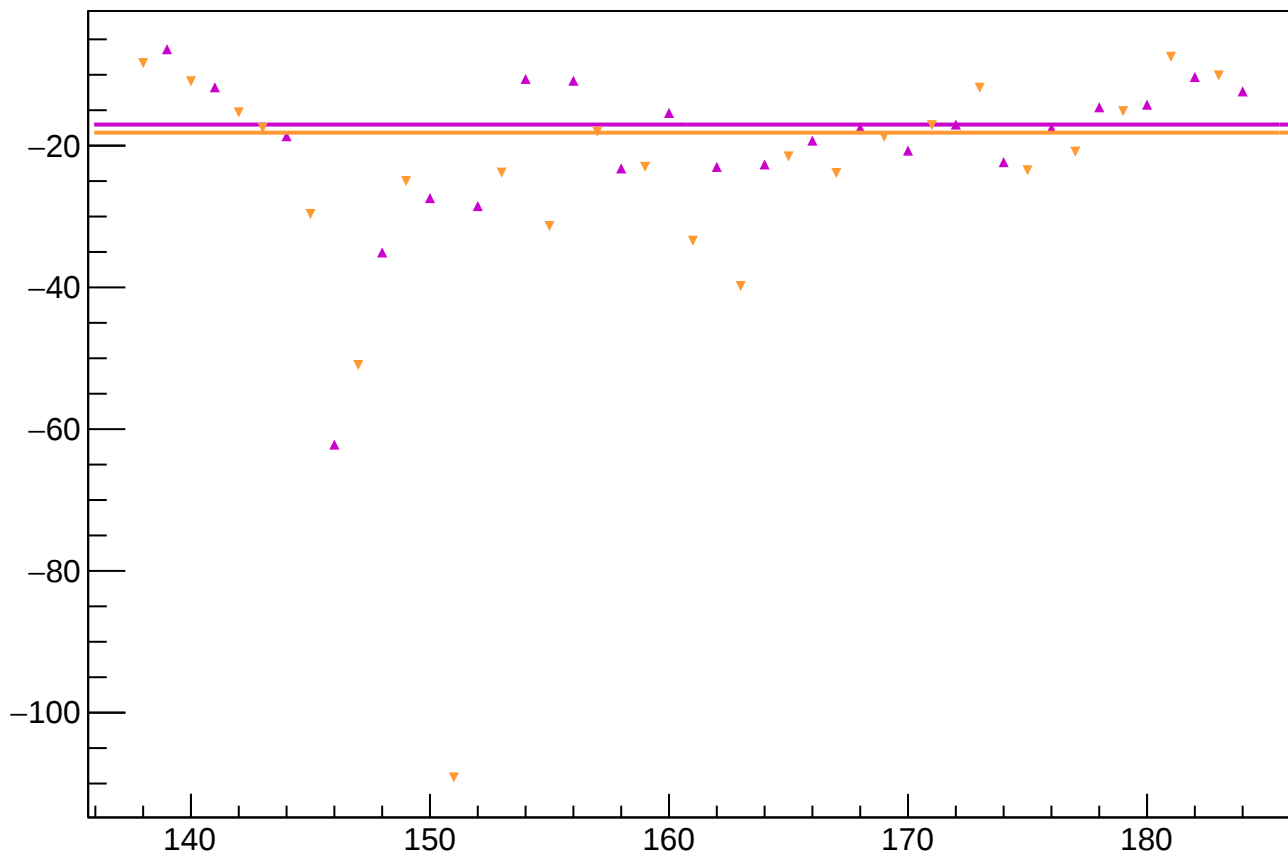
Right: 0.208 ± 0.003 χ^2/NDF : 1636.0/35

In: 0.100 ± 0.001 χ^2/NDF : 4927.2/39

Out: 0.125 ± 0.001 χ^2/NDF : 6014.7/42

All: 0.112 ± 0.001 χ^2/NDF : 11094.2/82

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -18.165+/-0.039 χ^2/NDF : 88425.8/23

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

Left In: -17.024+/-0.038 χ^2/NDF : 44141.8/22

Left: -17.575+/-0.027 χ^2/NDF : 133002.3/46

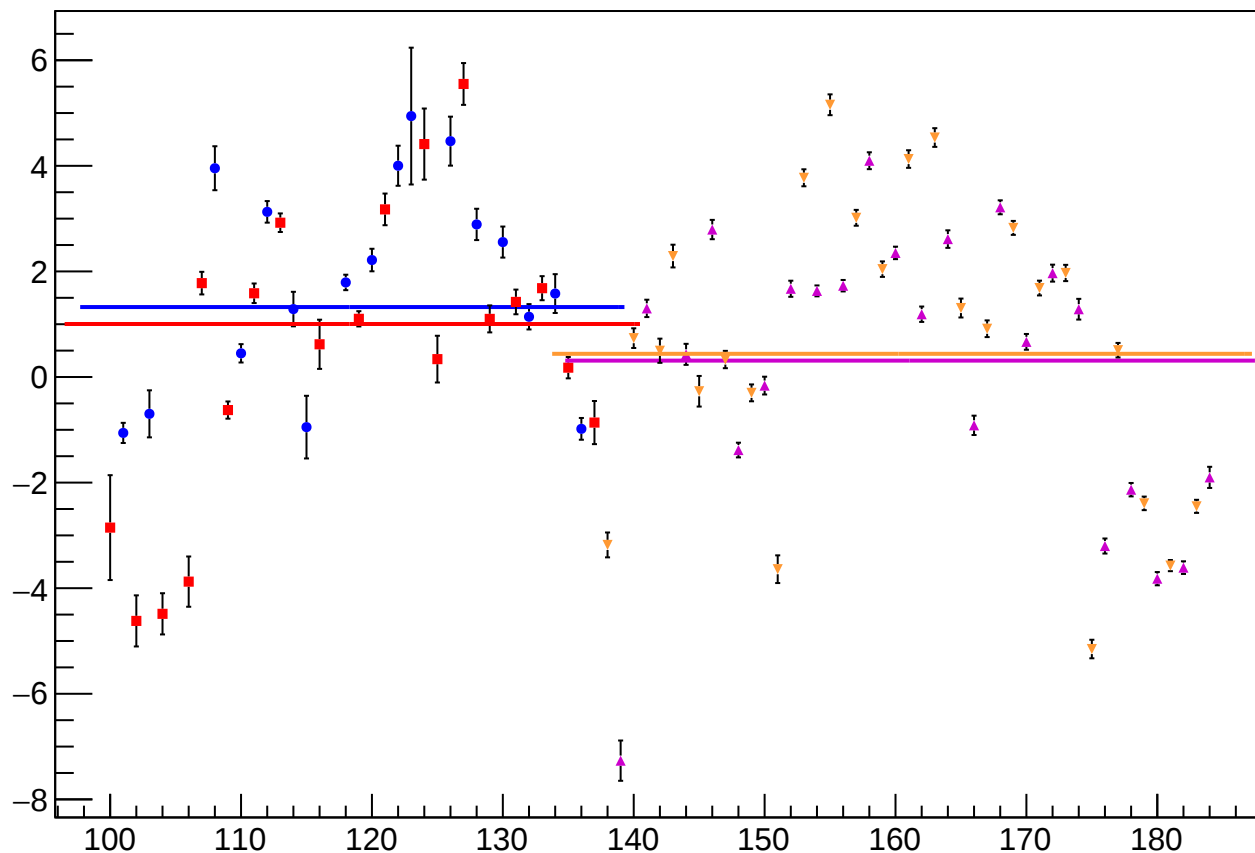
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.024+/-0.038 χ^2/NDF : 44141.8/22

Out: -18.165+/-0.039 χ^2/NDF : 88425.8/23

All: -17.575+/-0.027 χ^2/NDF : 133002.3/46

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.325 ± 0.062 χ^2/NDF : 637.1/16

Left Out: 0.439 ± 0.033 χ^2/NDF : 7041.3/23

Right Out: 1.004 ± 0.058 χ^2/NDF : 957.8/18

Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

Left: 0.371 ± 0.022 χ^2/NDF : 13232.6/46

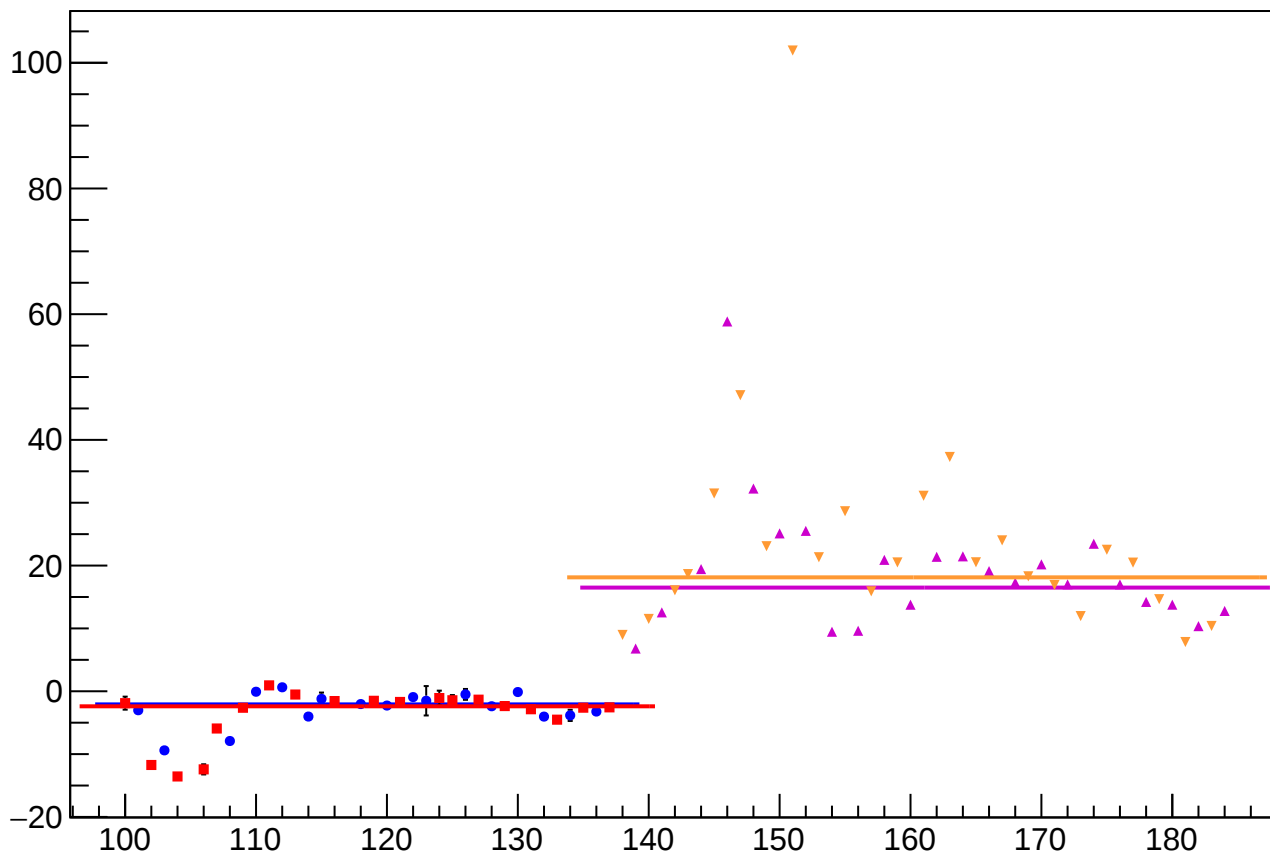
Right: 1.154 ± 0.042 χ^2/NDF : 1609.2/35

In: 0.509 ± 0.027 χ^2/NDF : 7035.1/39

Out: 0.576 ± 0.028 χ^2/NDF : 8071.1/42

All: 0.541 ± 0.020 χ^2/NDF : 15108.9/82

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: 18.126 ± 0.040 χ^2/NDF : 77783.0/23

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: 17.272 ± 0.027 χ^2/NDF : 119542.5/46

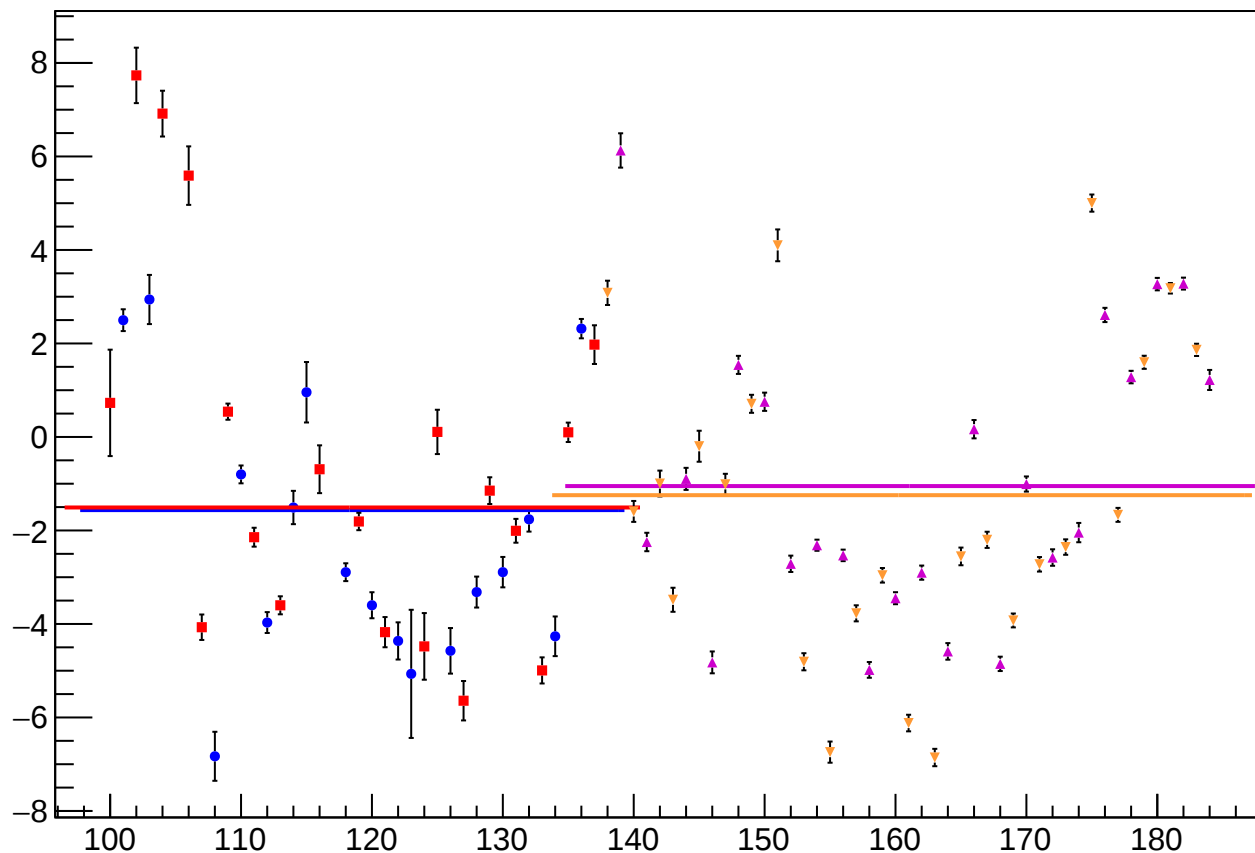
Right: -2.261 ± 0.074 χ^2/NDF : 1342.3/35

In: 14.595 ± 0.036 χ^2/NDF : 66228.5/39

Out: 15.302 ± 0.037 χ^2/NDF : 115802.8/42

All: 14.939 ± 0.026 χ^2/NDF : 182222.1/82

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.565 ± 0.071 χ^2/NDF : 1258.1/16

Left Out: -1.245 ± 0.036 χ^2/NDF : 7907.3/23

Right Out: -1.508 ± 0.066 χ^2/NDF : 1518.8/18

Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

Left: -1.142 ± 0.025 χ^2/NDF : 14596.0/46

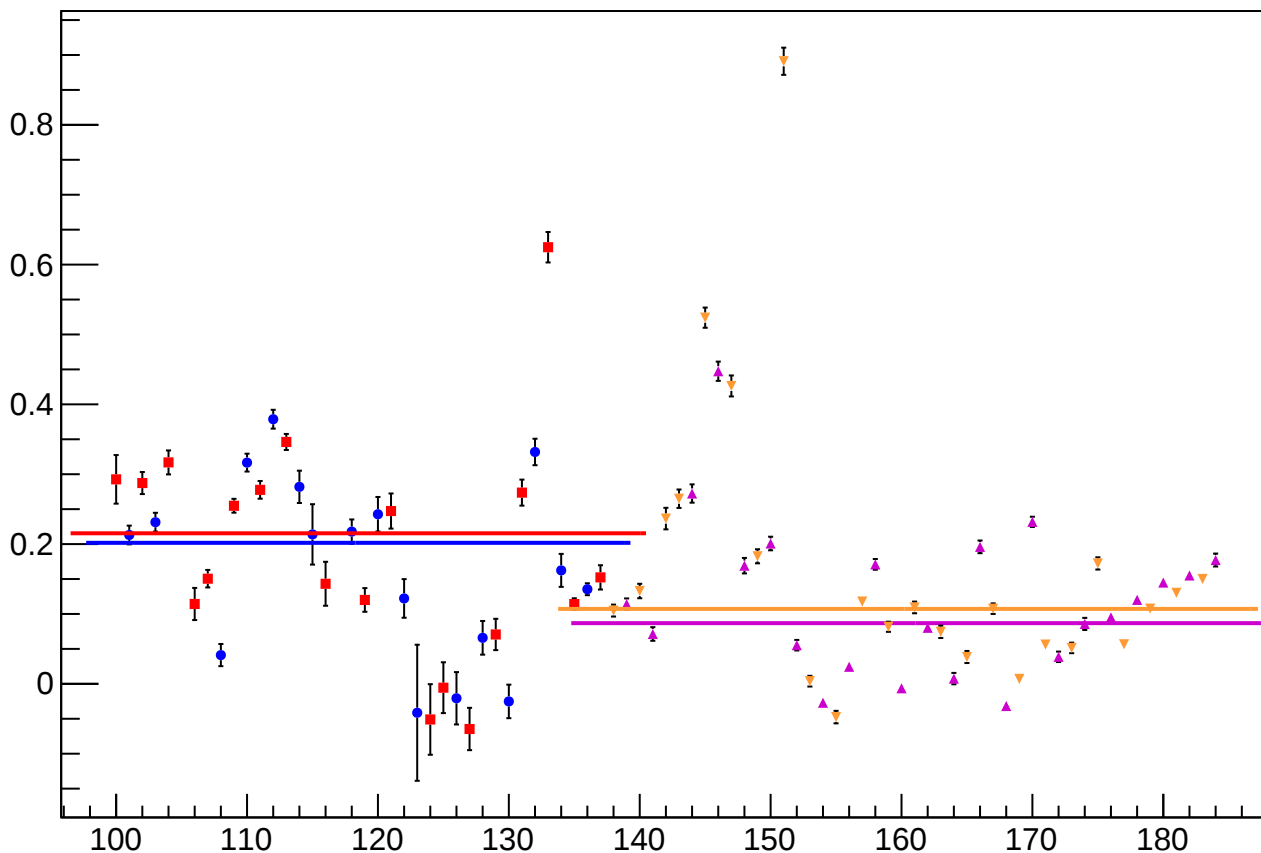
Right: -1.534 ± 0.048 χ^2/NDF : 2777.2/35

In: -1.146 ± 0.031 χ^2/NDF : 7973.9/39

Out: -1.307 ± 0.032 χ^2/NDF : 9438.4/42

All: -1.224 ± 0.022 χ^2/NDF : 17425.5/82

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.004 χ^2/NDF : 658.6/16

Left Out: 0.107 ± 0.002 χ^2/NDF : 4285.2/23

Right Out: 0.215 ± 0.004 χ^2/NDF : 1031.4/18

Left In: 0.087 ± 0.001 χ^2/NDF : 3598.5/22

Left: 0.096 ± 0.001 χ^2/NDF : 7968.9/46

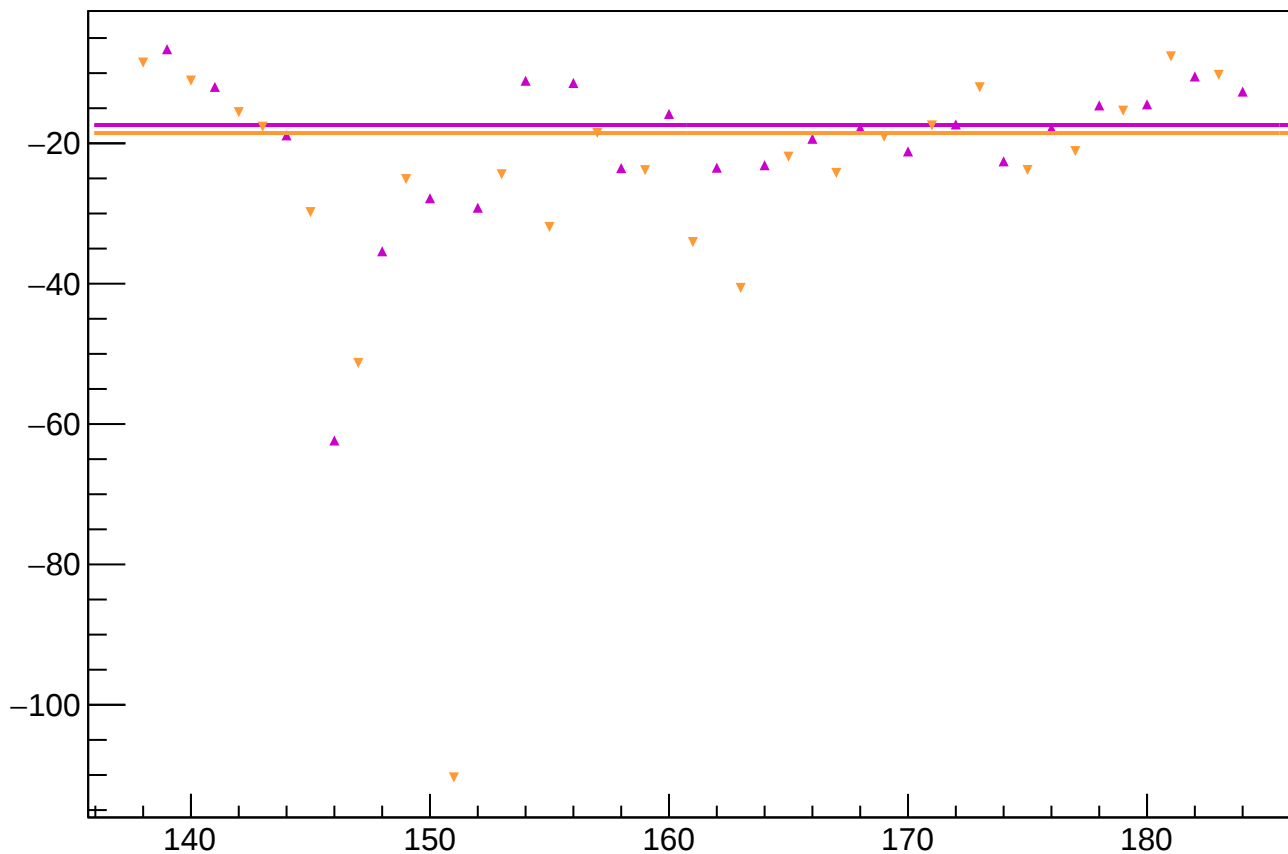
Right: 0.209 ± 0.003 χ^2/NDF : 1696.1/35

In: 0.100 ± 0.001 χ^2/NDF : 4935.2/39

Out: 0.125 ± 0.001 χ^2/NDF : 6038.1/42

All: 0.112 ± 0.001 χ^2/NDF : 11119.8/82

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -18.537 $\pm$ 0.040 χ^2/NDF :87781.4/23

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

Left In: -17.393 $\pm$ 0.039 χ^2/NDF :43178.9/22

Left: -17.946 $\pm$ 0.028 χ^2/NDF : 131377.0/46

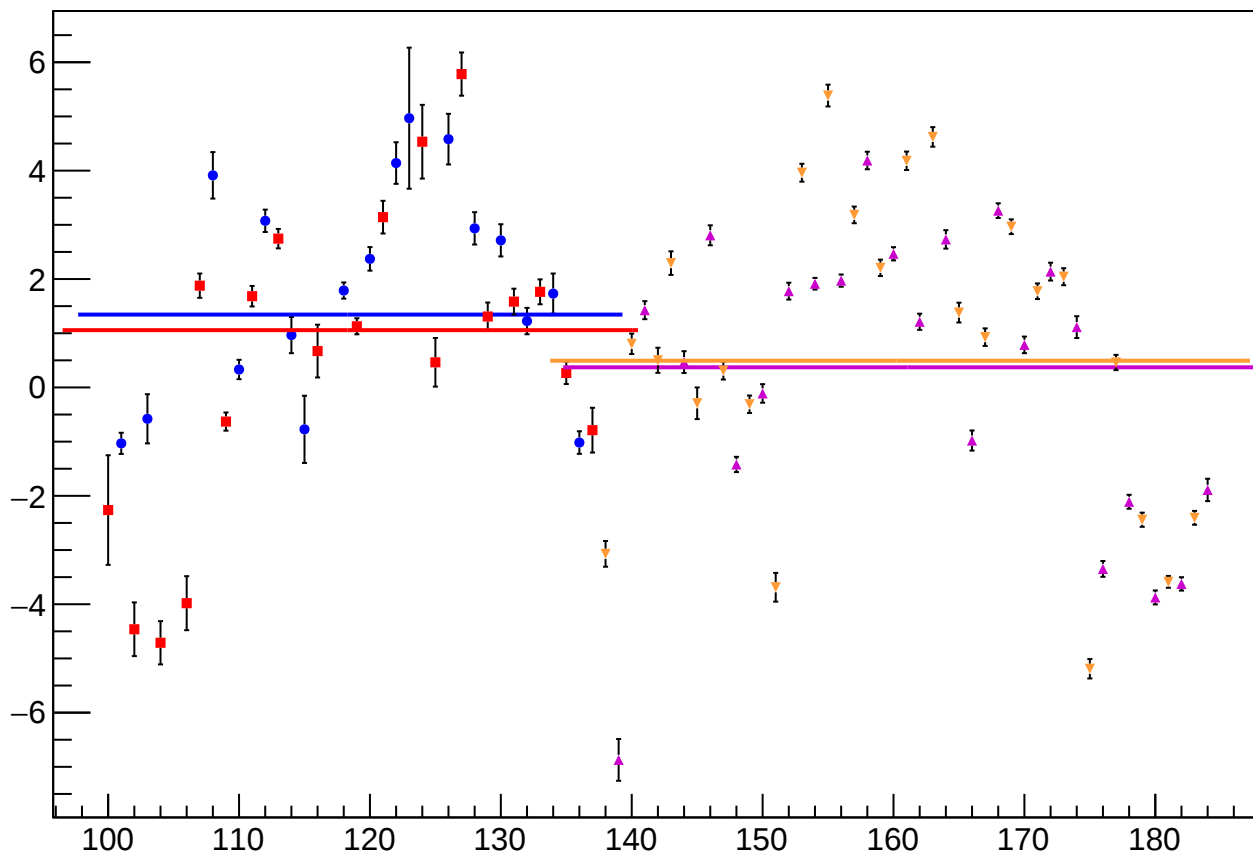
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -17.393 $\pm$ 0.039 χ^2/NDF :43178.9/22

Out: -18.537 $\pm$ 0.040 χ^2/NDF :87781.4/23

All: -17.946 $\pm$ 0.028 χ^2/NDF : 131377.0/46

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.344 $\pm$ 0.063 χ^2 /NDF: 636.3/16

Left Out: 0.493 $\pm$ 0.033 χ^2 /NDF: 7005.2/23

Right Out: 1.057 $\pm$ 0.059 χ^2 /NDF: 927.5/18

Left In: 0.371 $\pm$ 0.031 χ^2 /NDF: 6217.4/22

Left: 0.428 $\pm$ 0.023 χ^2 /NDF: 13229.6/46

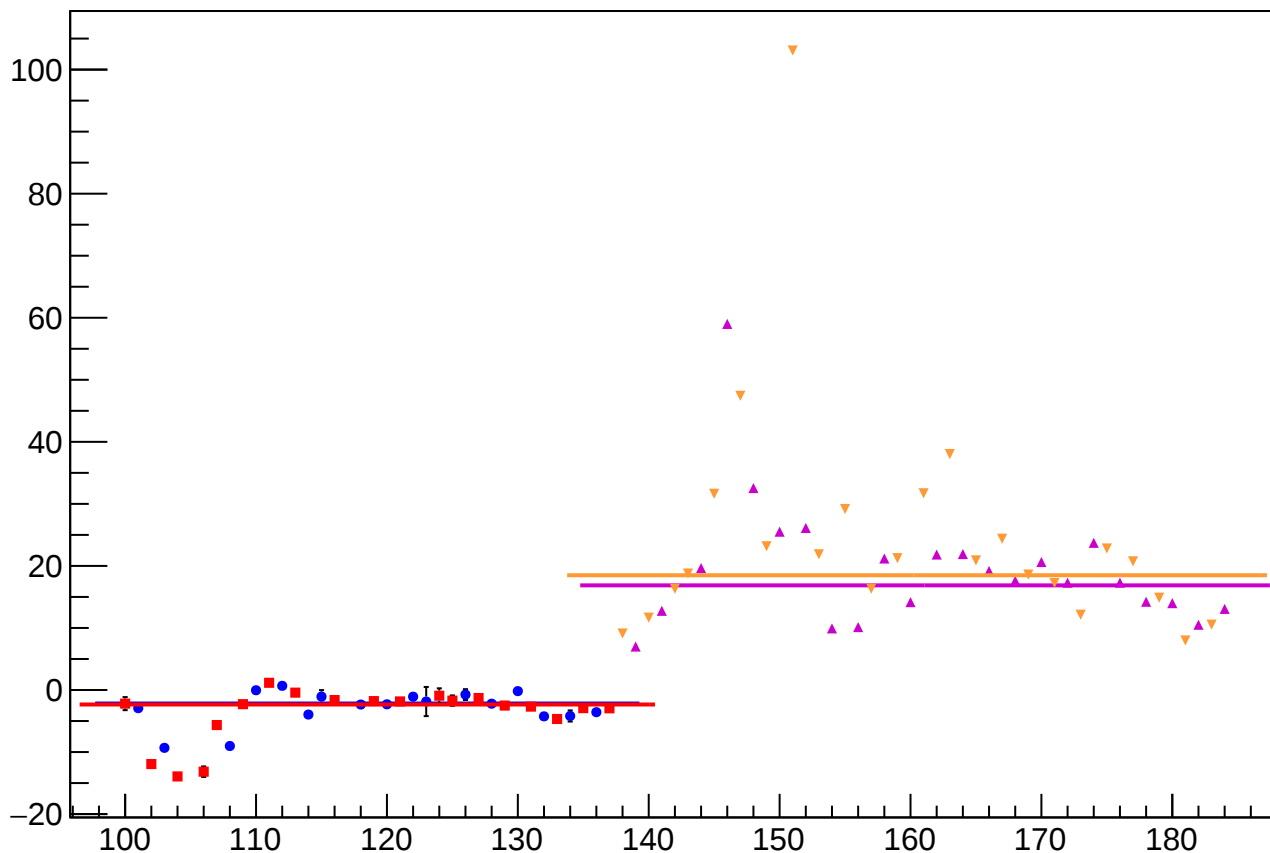
Right: 1.191 $\pm$ 0.043 χ^2 /NDF: 1574.8/35

In: 0.564 $\pm$ 0.028 χ^2 /NDF: 7043.7/39

Out: 0.629 $\pm$ 0.029 χ^2 /NDF: 8001.5/42

All: 0.595 $\pm$ 0.020 χ^2 /NDF: 15047.8/82

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.181 ± 0.114 χ^2/NDF : 472.4/16

Left Out: 18.496 ± 0.040 χ^2/NDF : 77176.0/23

Right Out: -2.337 ± 0.101 χ^2/NDF : 910.1/18

Left In: 16.867 ± 0.039 χ^2/NDF : 39779.0/22

Left: 17.643 ± 0.028 χ^2/NDF : 117805.6/46

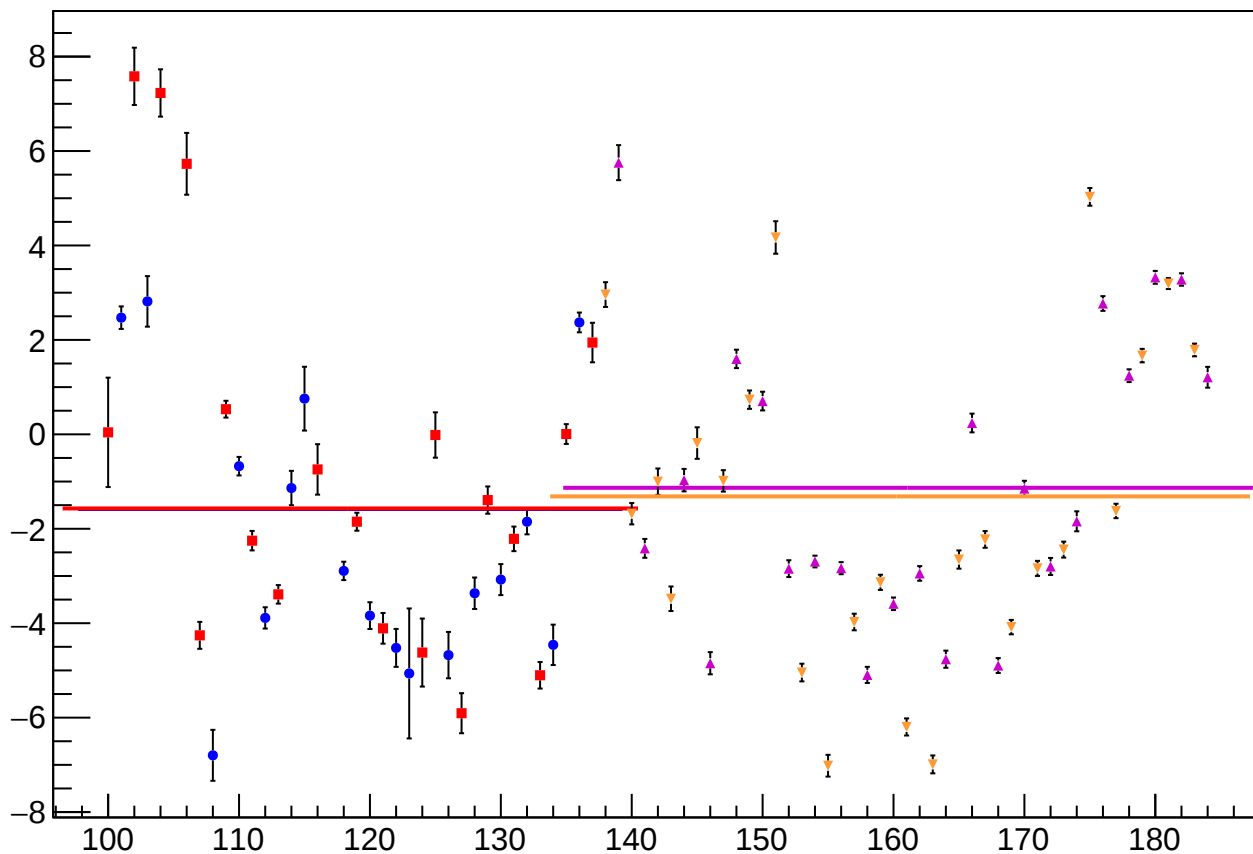
Right: -2.268 ± 0.075 χ^2/NDF : 1383.5/35

In: 14.898 ± 0.037 χ^2/NDF : 65468.8/39

Out: 15.621 ± 0.038 χ^2/NDF : 114764.4/42

All: 15.250 ± 0.026 χ^2/NDF : 180424.3/82

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: -1.314 ± 0.037 $\chi^2/\text{NDF}: 7864.3/23$

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: -1.218 ± 0.025 $\chi^2/\text{NDF}: 14585.6/46$

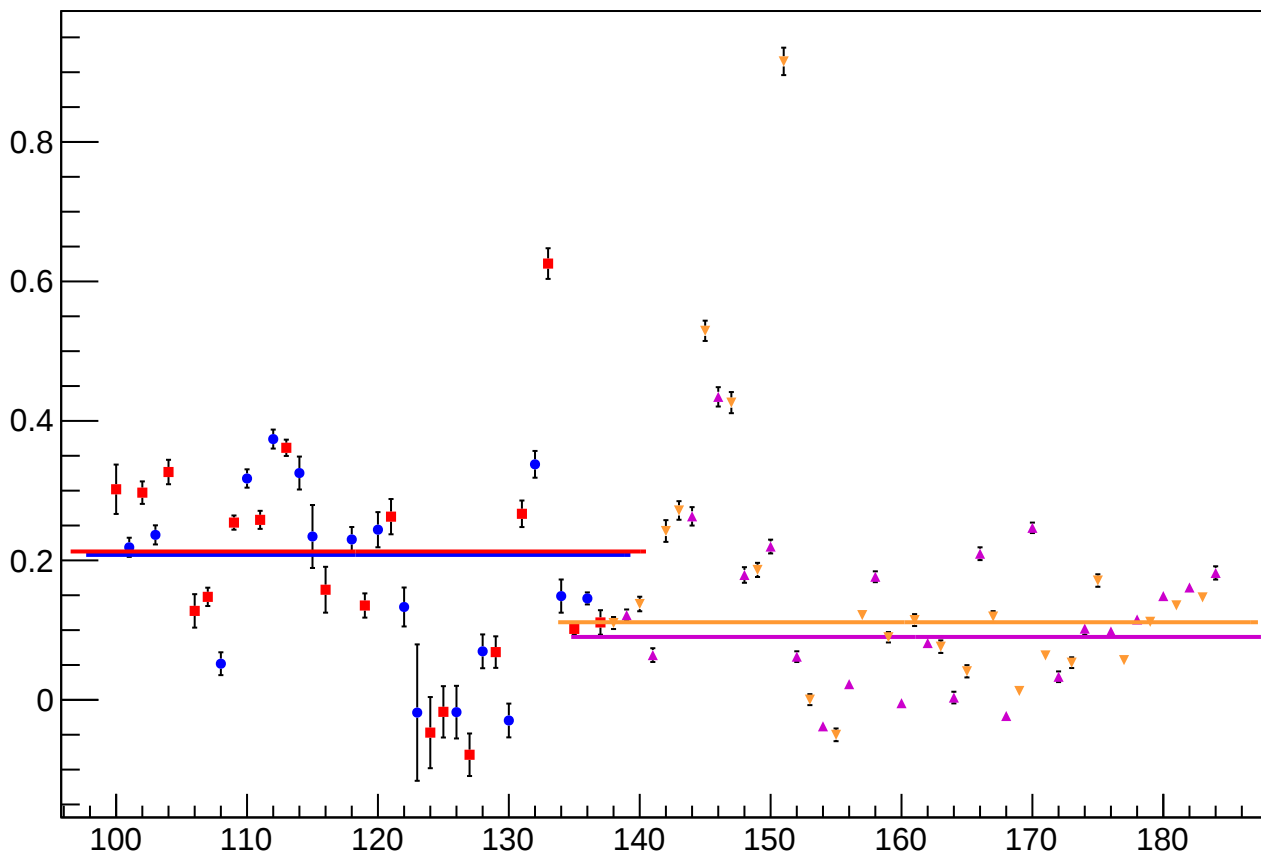
Right: -1.575 ± 0.049 $\chi^2/\text{NDF}: 2725.2/35$

In: -1.216 ± 0.031 $\chi^2/\text{NDF}: 7987.3/39$

Out: -1.374 ± 0.032 $\chi^2/\text{NDF}: 9353.0/42$

All: -1.293 ± 0.023 $\chi^2/\text{NDF}: 17352.6/82$

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: 0.111 ± 0.002 χ^2/NDF : 4288.1/23

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: 0.100 ± 0.001 χ^2/NDF : 8051.3/46

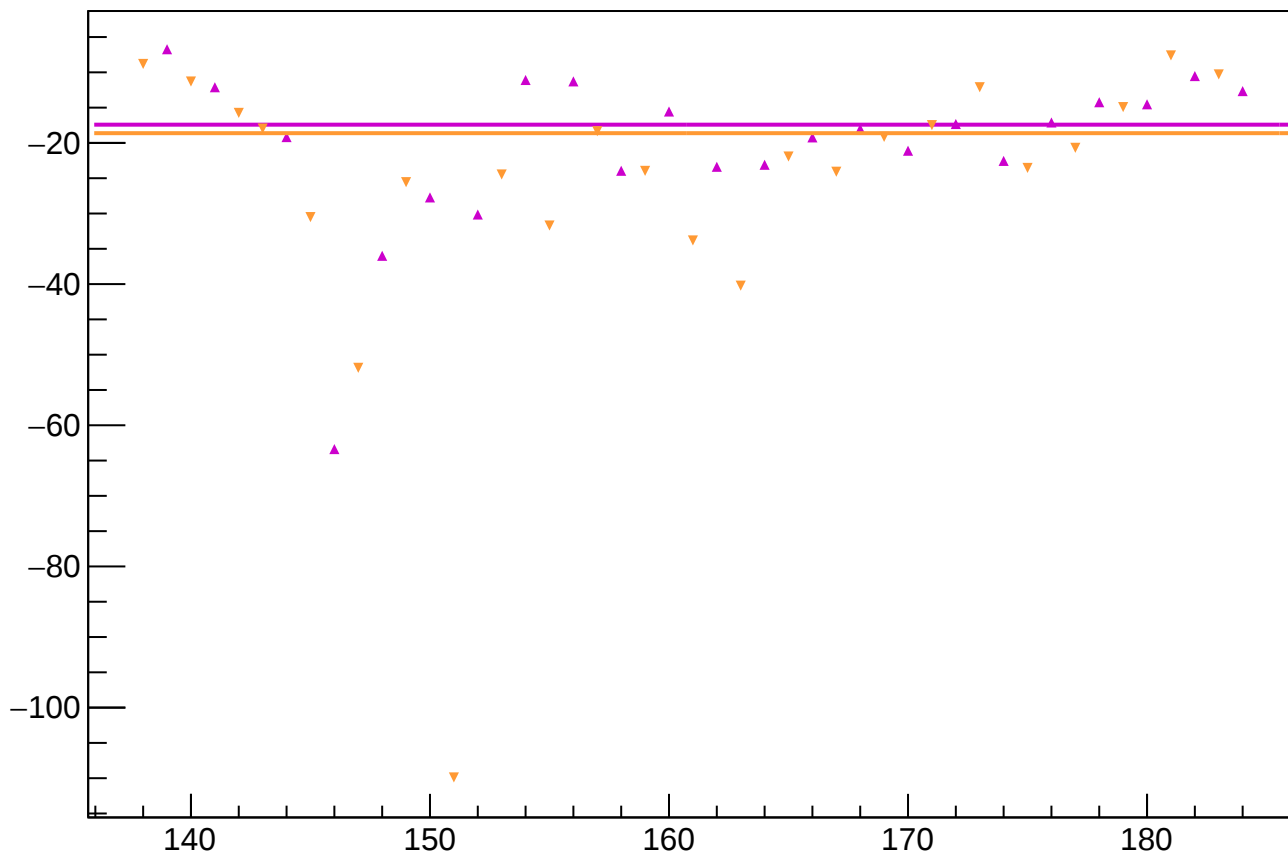
Right: 0.211 ± 0.003 χ^2/NDF : 1721.9/35

In: 0.104 ± 0.001 χ^2/NDF : 4984.7/39

Out: 0.128 ± 0.002 χ^2/NDF : 5993.5/42

All: 0.115 ± 0.001 χ^2/NDF : 11108.6/82

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: -18.618+/-0.041 χ^2/NDF :86289.2/23

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: -17.996+/-0.028 χ^2/NDF : 130246.7/46

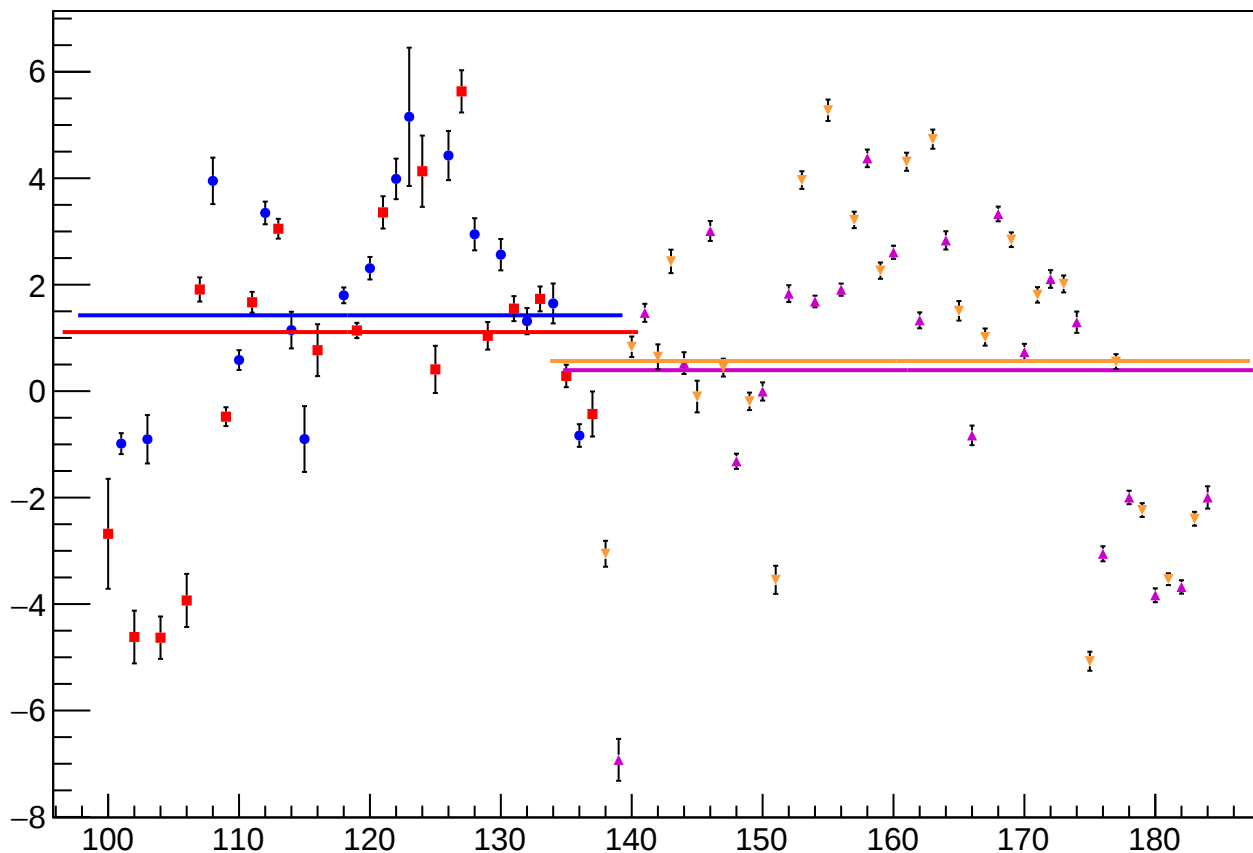
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.414+/-0.039 χ^2/NDF :43504.1/22

Out: -18.618+/-0.041 χ^2/NDF :86289.2/23

All: -17.996+/-0.028 χ^2/NDF : 130246.7/46

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: 0.566+/-0.034 χ^2/NDF : 6757.5/23

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: 0.475+/-0.023 χ^2/NDF : 12831.1/46

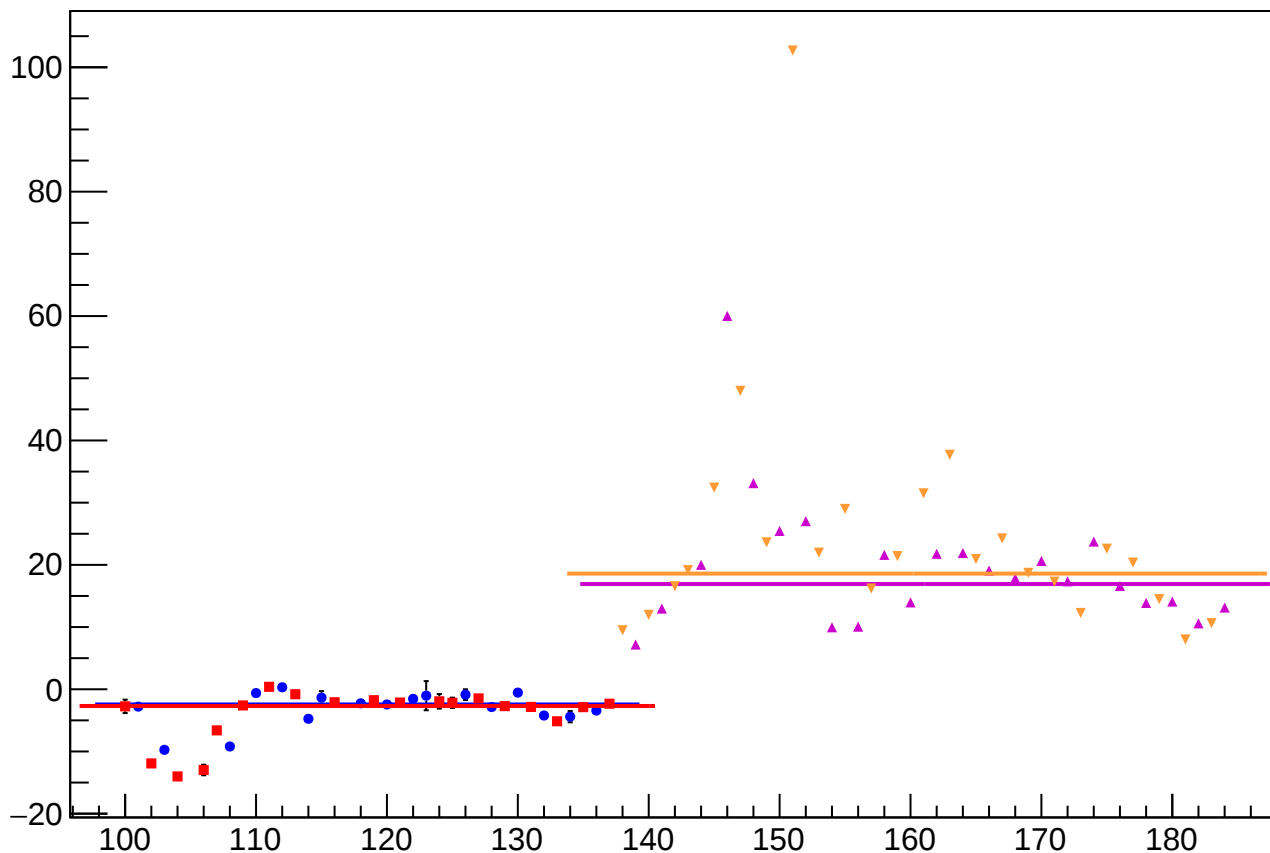
Right: 1.258+/-0.044 χ^2/NDF : 1528.5/35

In: 0.598+/-0.028 χ^2/NDF : 6869.3/39

Out: 0.697+/-0.029 χ^2/NDF : 7735.7/42

All: 0.646+/-0.020 χ^2/NDF : 14610.8/82

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: 18.597 ± 0.041 χ^2/NDF : 75973.3/23

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: 17.719 ± 0.028 χ^2/NDF : 117014.5/46

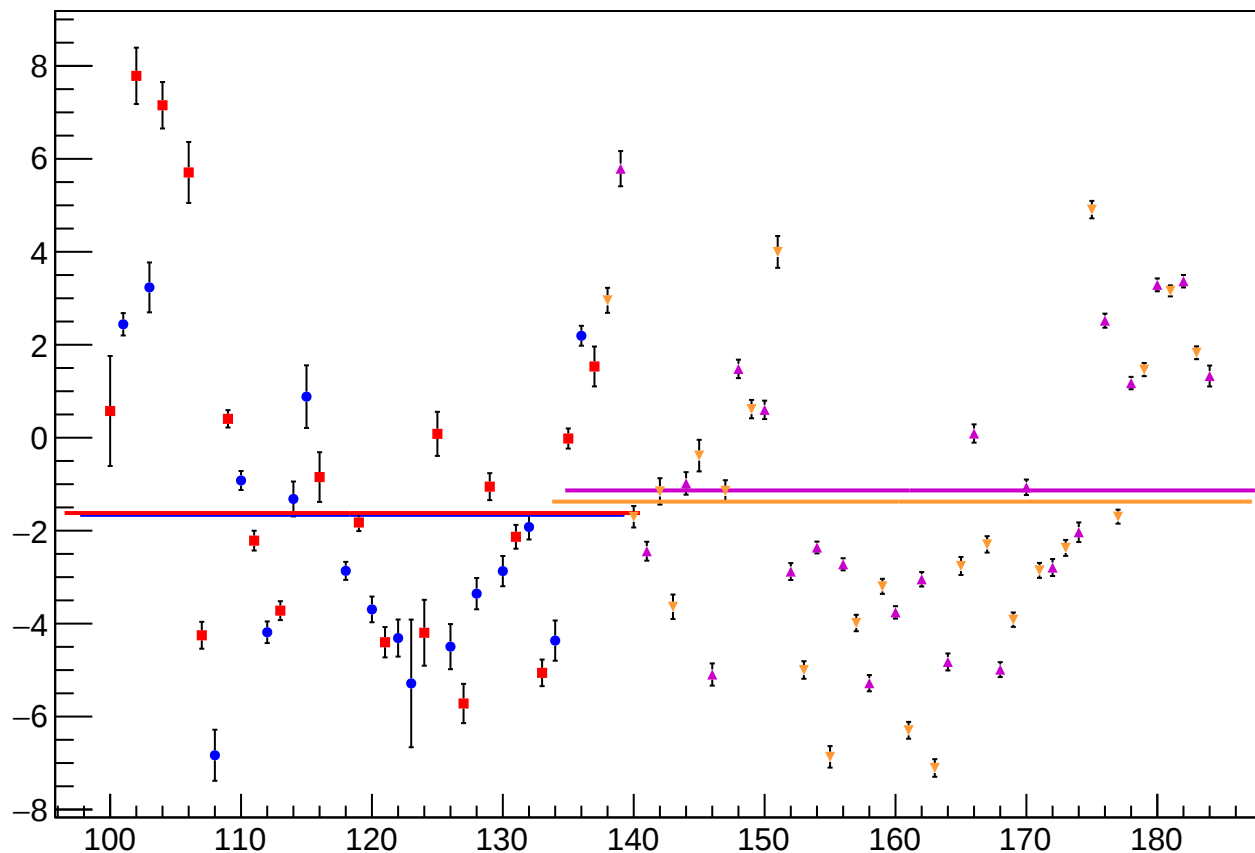
Right: -2.579 ± 0.077 χ^2/NDF : 1260.6/35

In: 14.939 ± 0.037 χ^2/NDF : 65904.0/39

Out: 15.724 ± 0.038 χ^2/NDF : 113586.5/42

All: 15.320 ± 0.026 χ^2/NDF : 179710.5/82

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: -1.375 ± 0.037 χ^2/NDF : 7617.0/23

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: -1.247 ± 0.026 χ^2/NDF : 14236.6/46

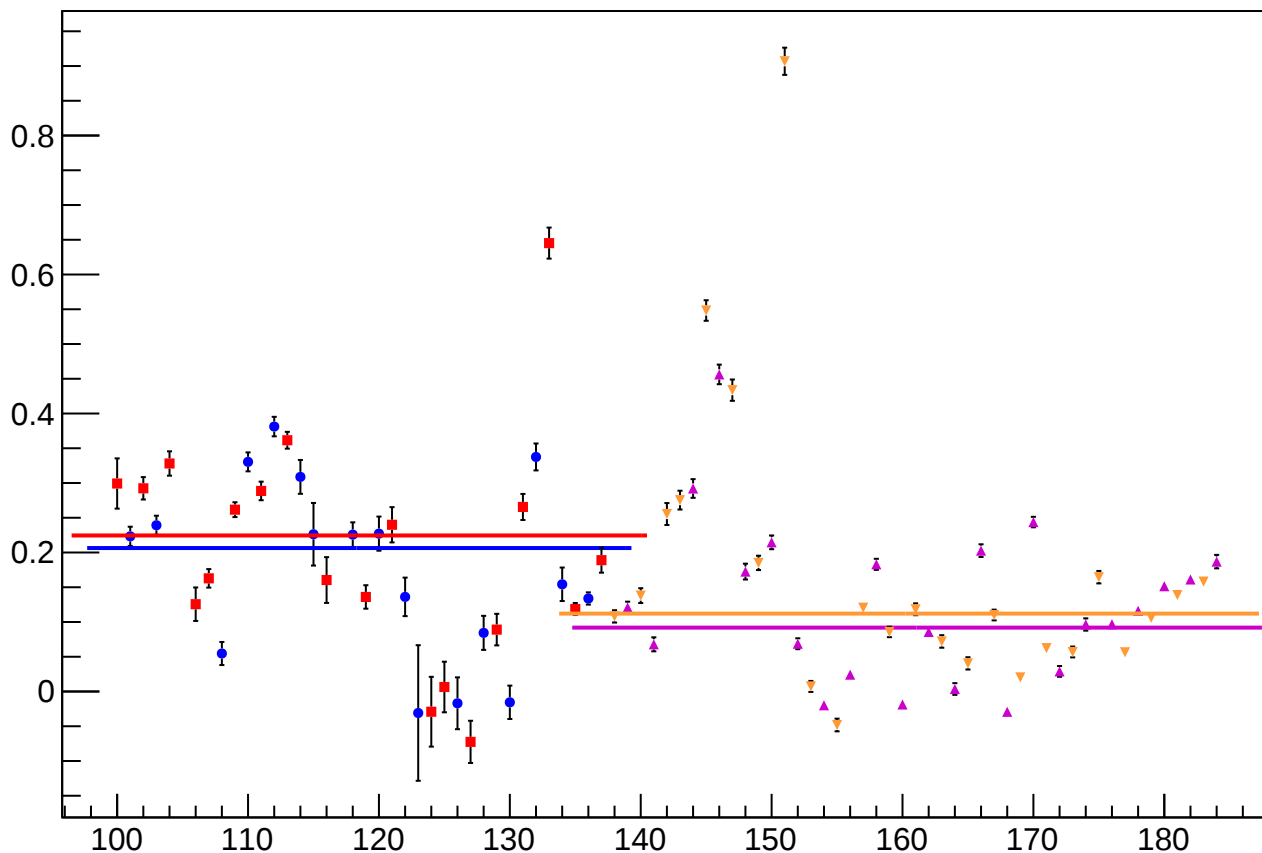
Right: -1.638 ± 0.050 χ^2/NDF : 2639.8/35

In: -1.233 ± 0.032 χ^2/NDF : 7830.2/39

Out: -1.432 ± 0.033 χ^2/NDF : 9075.8/42

All: -1.329 ± 0.023 χ^2/NDF : 16925.1/82

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: 0.112 $\pm$ 0.002 χ^2 /NDF:4287.3/23

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: 0.101 $\pm$ 0.001 χ^2 /NDF: 7996.7/46

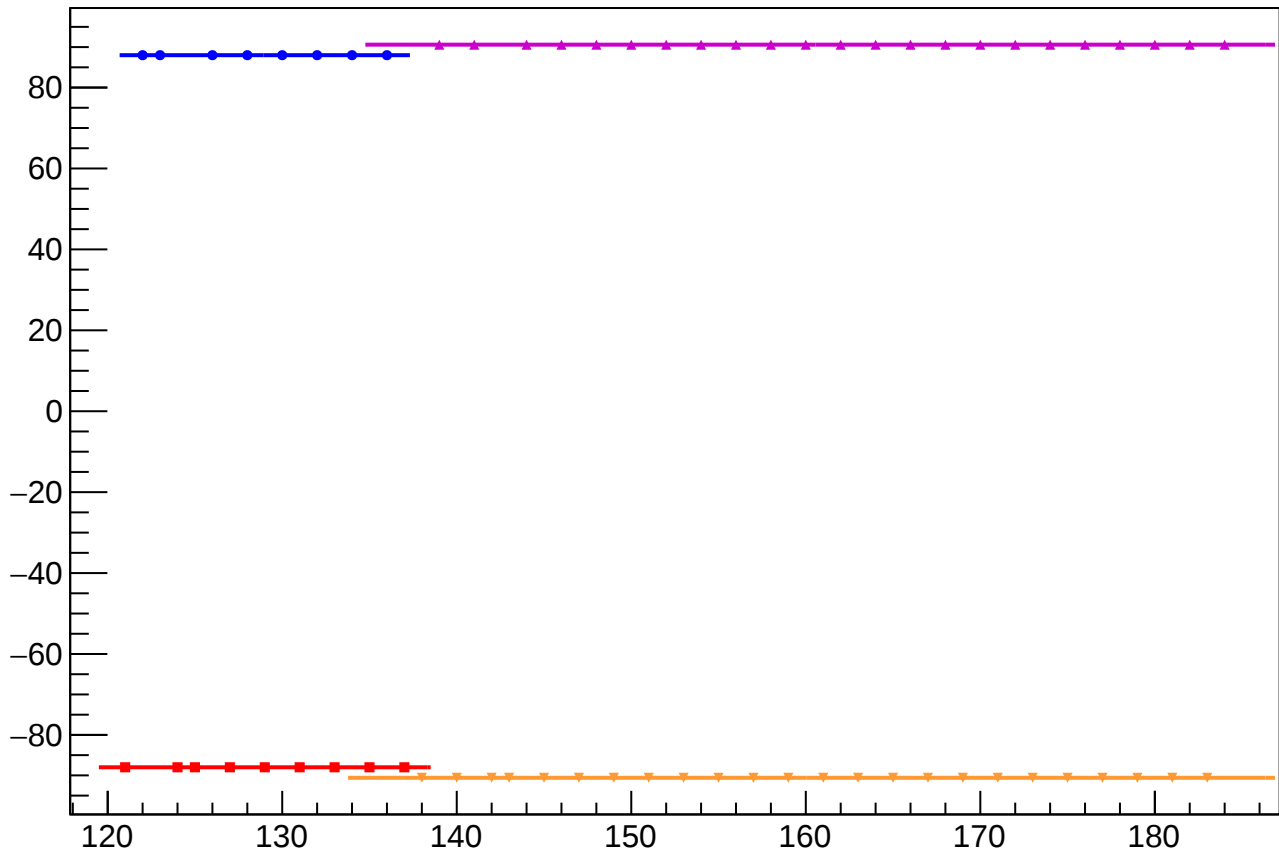
Right: 0.216 $\pm$ 0.003 χ^2 /NDF: 1630.1/35

In: 0.105 $\pm$ 0.001 χ^2 /NDF:4888.4/39

Out: 0.130 $\pm$ 0.002 χ^2 /NDF:6002.7/42

All: 0.117 $\pm$ 0.001 χ^2 /NDF: 11029.3/82

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 : 7475523.6/23

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: -1.476+/-0.000 χ^2/NDF : 30214686980899843

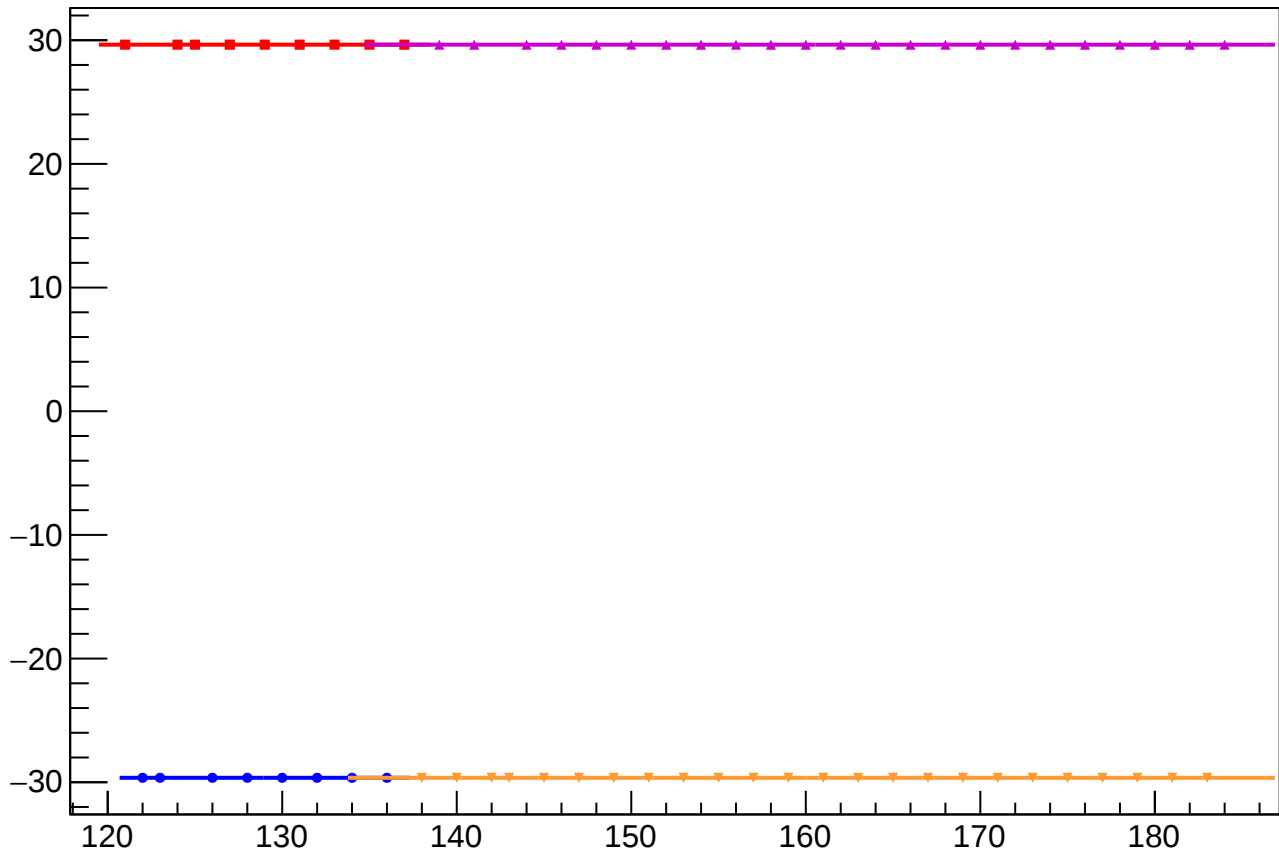
Right: 2.951+/-0.000 χ^2/NDF : 50744315280449915

In: 90.190+/-0.000 χ^2/NDF : 192821948756065979

Out: -90.223+/-0.000 χ^2/NDF : 1830469560308110

All: -0.807+/-0.000 χ^2/NDF : 3530003380339

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641+/-0.000 χ^2/NDF : 433709.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 269361.3/23

Right Out: 29.641+/-0.000 χ^2/NDF : 61505.9/8

Left In: 29.641+/-0.000 χ^2/NDF : 511825.6/22

Left: -0.483+/-0.000 χ^2/NDF : 32340404543273319

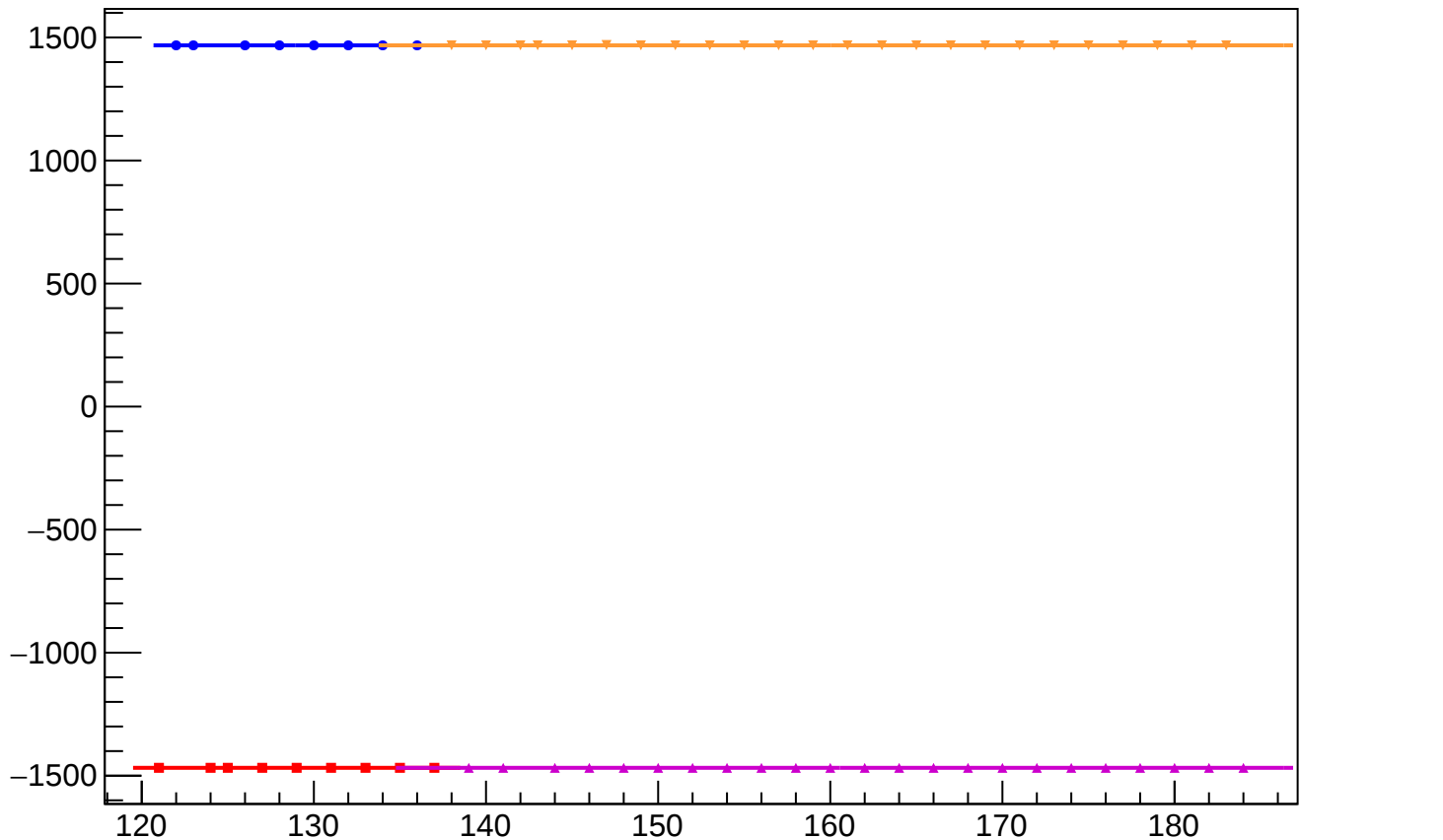
Right: -0.994+/-0.000 χ^2/NDF : 5756945466469310

In: 20.294+/-0.000 χ^2/NDF : 100349839707915681

Out: -21.052+/-0.000 χ^2/NDF : 9526266493630078

All: -0.560+/-0.000 χ^2/NDF : 3809880414467

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979+/-0.000

χ^2/NDF : 426876894.9/7

Left Out: 1468.049+/-0.000

χ^2/NDF : 127841215107575654312673206599680.0/23

Right Out: -1467.979+/-0.000

χ^2/NDF : 100967733.5/8

Left In: -1467.994+/-0.000

χ^2/NDF : 145848702340275035310993178624.0/22

Left: 23.950+/-0.000

χ^2/NDF : 79329217299970211

Right: 49.231+/-0.000

χ^2/NDF : 1412065927358356

In: -1005.066+/-0.000

χ^2/NDF : 246140911797744

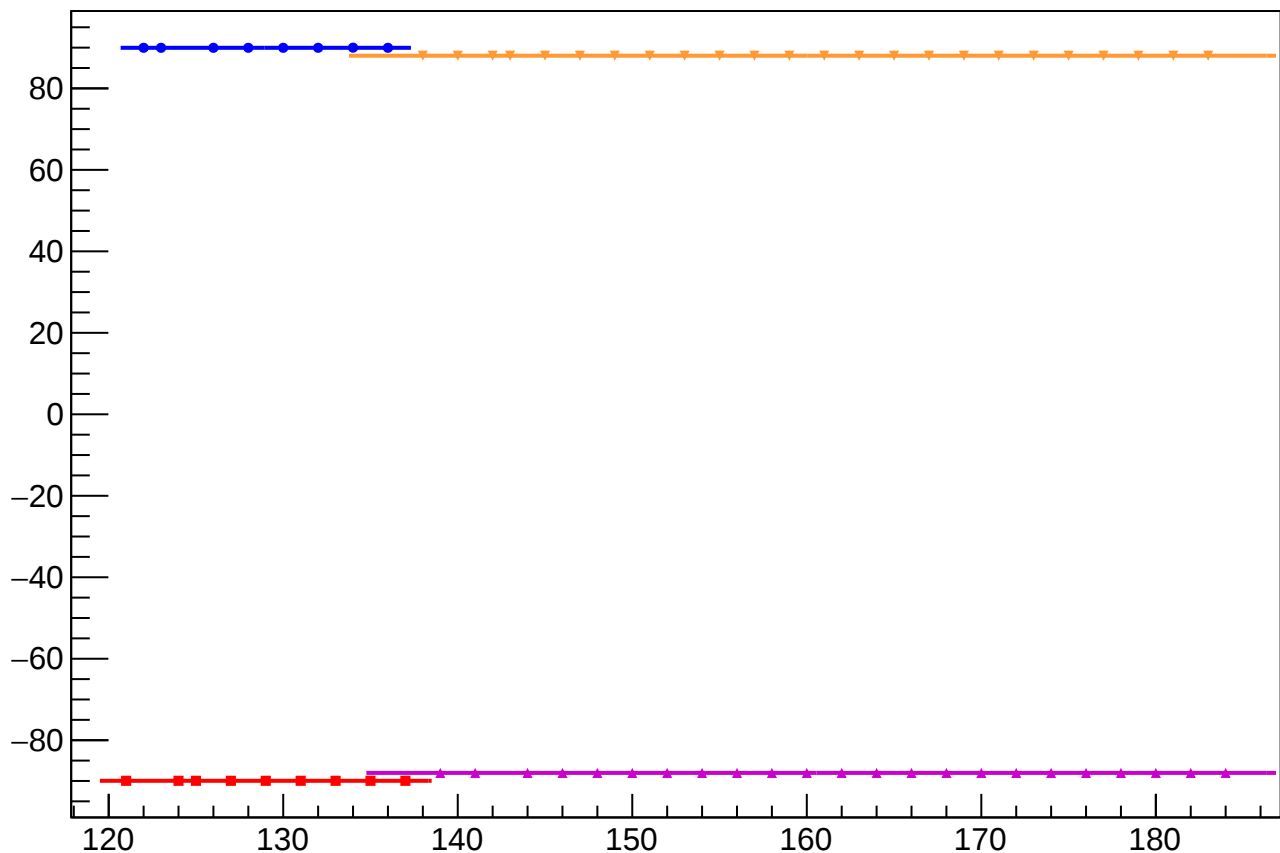
Out: 1042.674+/-0.000

χ^2/NDF : 233671744546647

All: 27.773+/-0.000

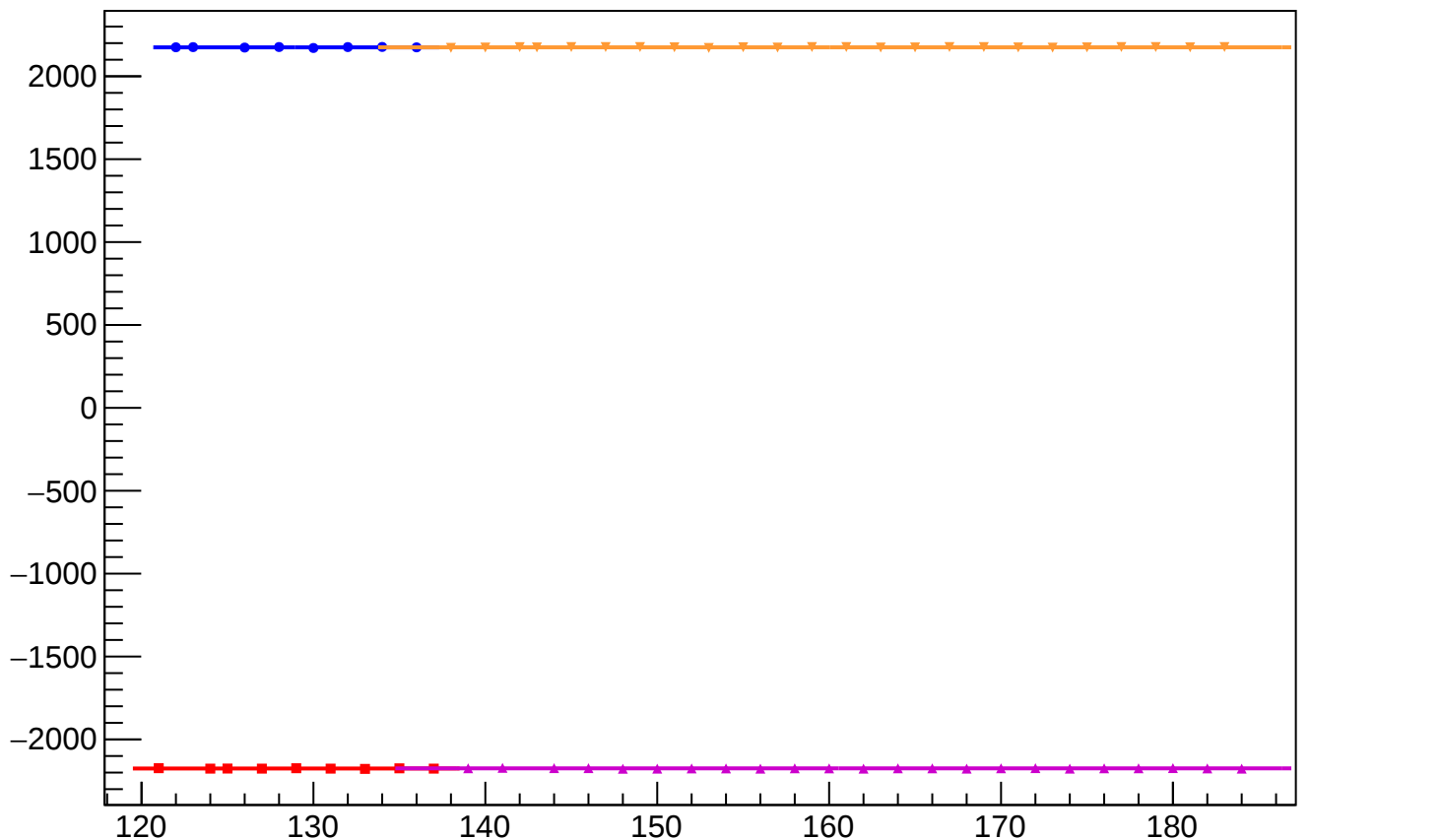
χ^2/NDF : 9345343531500

Phi_FG_mean vs Slug, Sign Corrected



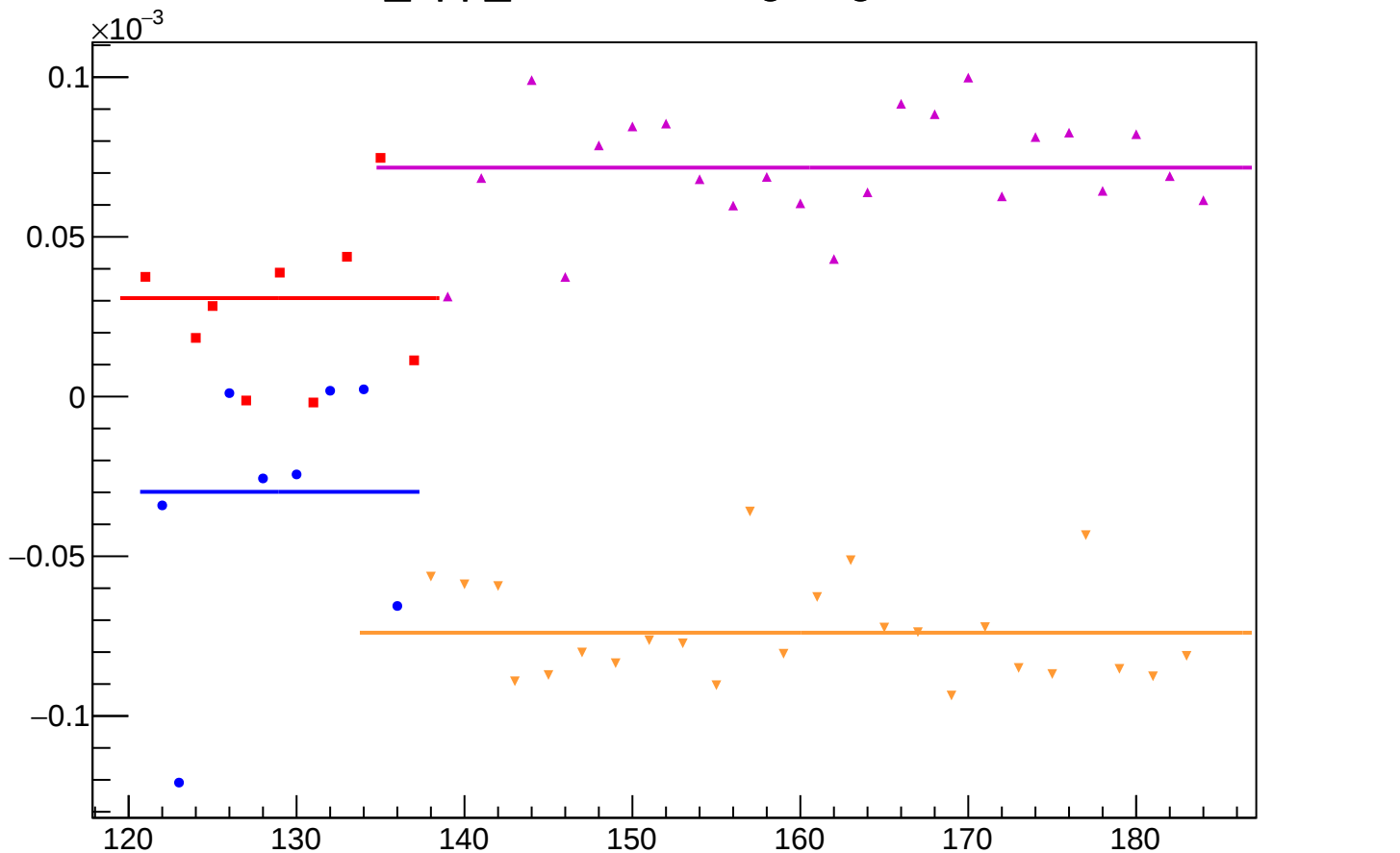
Right In: 89.961+/-0.000	χ^2/NDF : 21516176742595877338351665152.0/7	Left: 1.434+/-0.000	χ^2/NDF : 285192507654475651
Left Out: 88.021+/-0.000	χ^2/NDF : 7443413.8/23	Right: 3.018+/-0.000	χ^2/NDF : 53029447501590671
Right Out: -89.959+/-0.000	χ^2/NDF : 437824.1/8	In: -59.957+/-0.000	χ^2/NDF : 90454897479750275
Left In: -88.021+/-0.000	χ^2/NDF : 6084099.2/22	Out: 62.235+/-0.000	χ^2/NDF : 85867365189226529
		All: 1.674+/-0.000	χ^2/NDF : 33823591928132

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.508+/-0.000 χ^2/NDF : 1288672467722248839202216695824384.0/7
 Left Out: 2174.663+/-0.000 χ^2/NDF : 4805770433695495673309643023581184.0/23
 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: 41.090+/-0.000 χ^2/NDF : 2050764389812

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 : 20521624718124108

Right: -0.000+/-0.000

χ^2/NDF : 1046788668707328

Left Out: -0.000+/-0.000

χ^2/NDF : 448340665955186894700544.0/23

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 : 36187020505792584

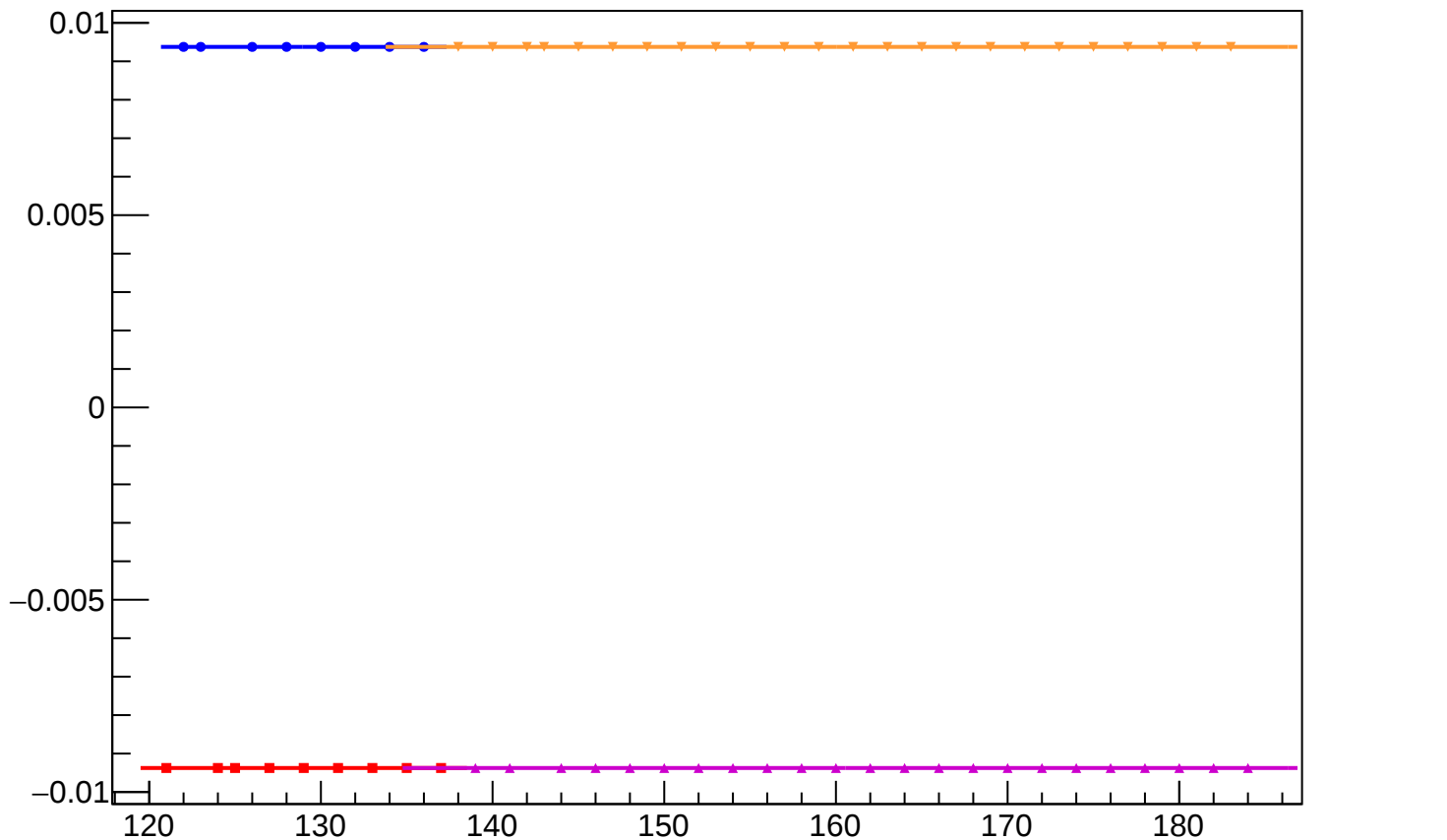
Left In: 0.000+/-0.000

χ^2/NDF : 562166279020739416817664.0/22

All: -0.000+/-0.000

χ^2/NDF : 2157021135291

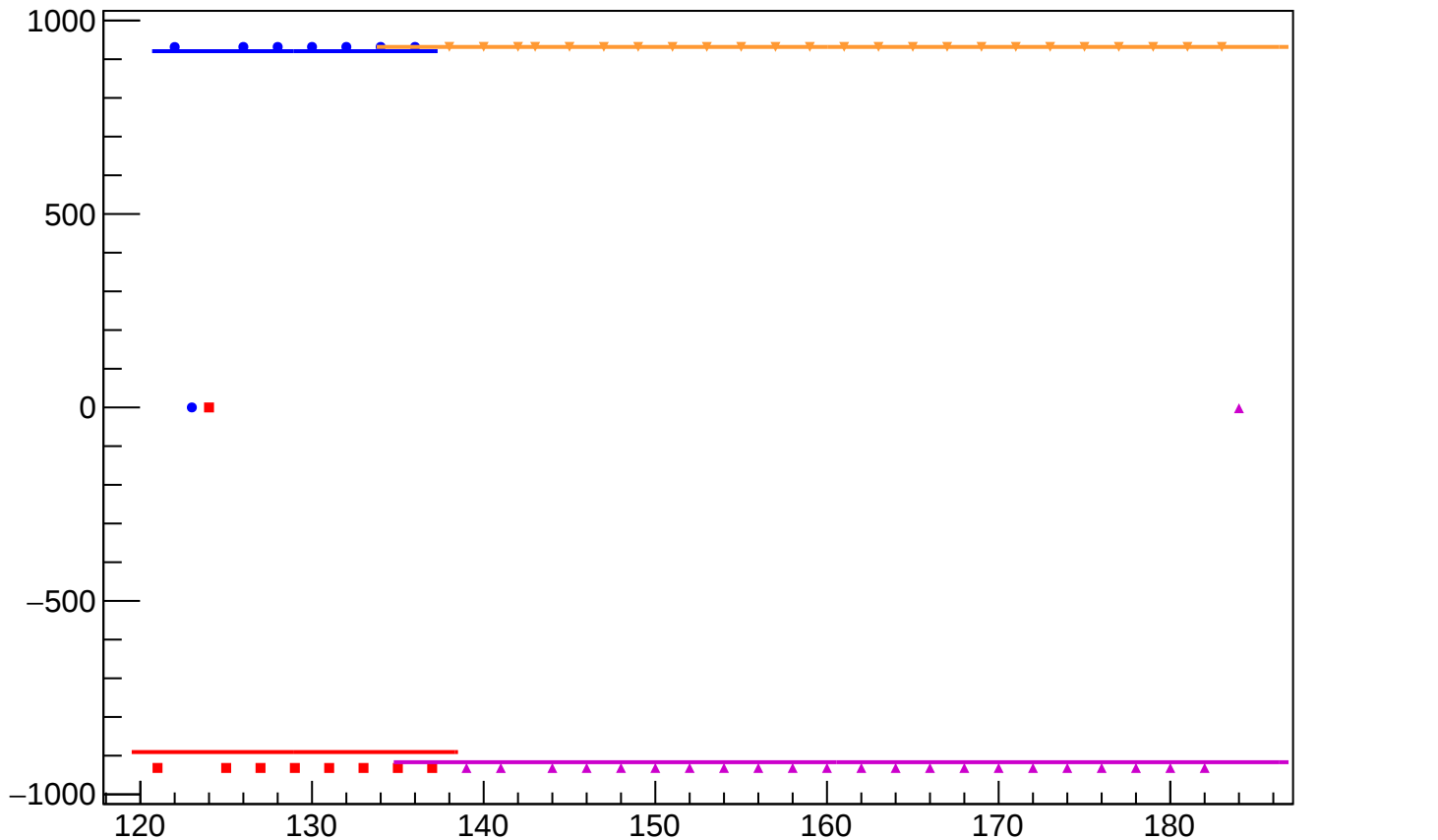
MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/7$
Left Out: 0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/23$
Right Out: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.0/8$
Left In: -0.009 ± 0.000 $\chi^2/\text{NDF}: 0.1/22$

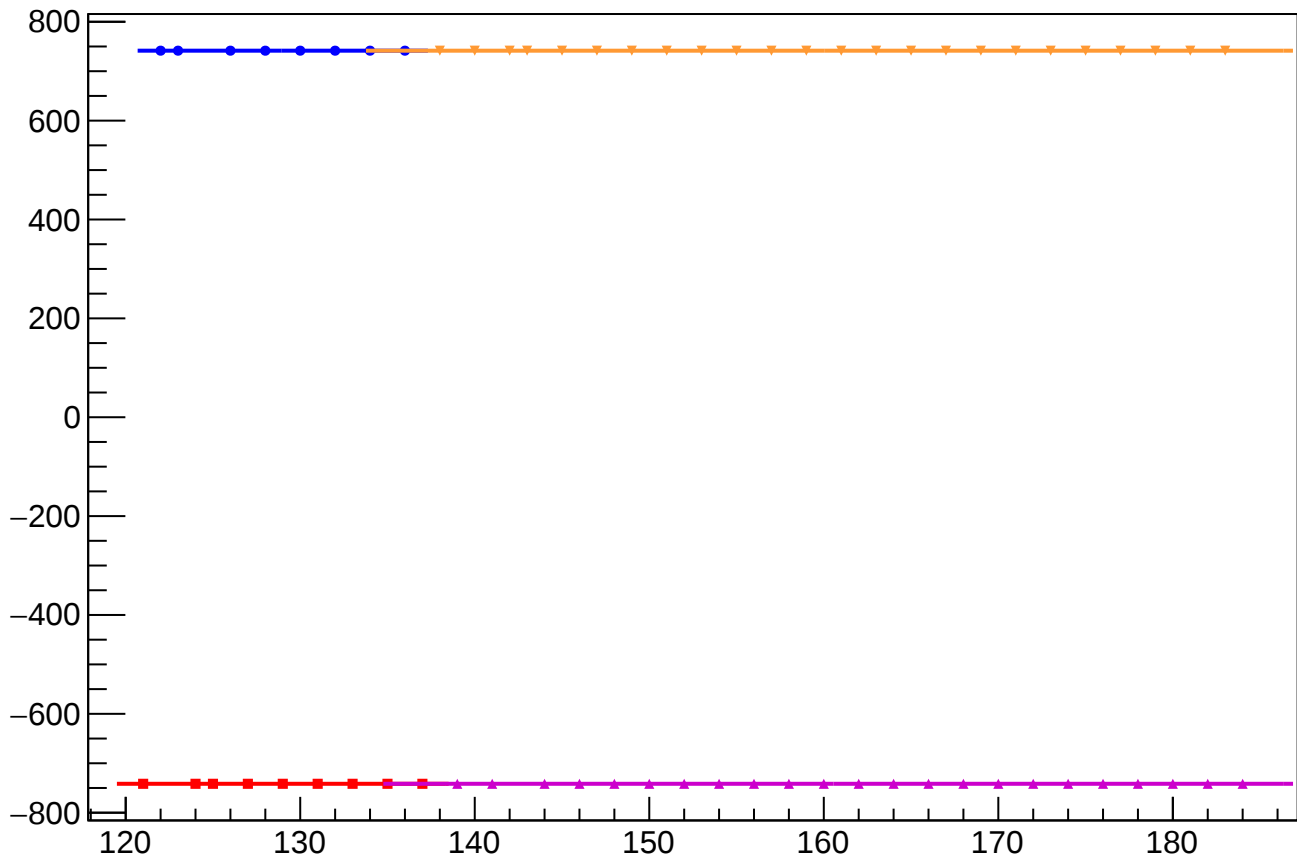
Left: 0.000 ± 0.000 $\chi^2/\text{NDF}: 323527347993616673$
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 57591403868140194$
In: -0.006 ± 0.000 $\chi^2/\text{NDF}: 100388099563953231$
Out: 0.007 ± 0.000 $\chi^2/\text{NDF}: 952989852319467964$
All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 38113329875518$

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



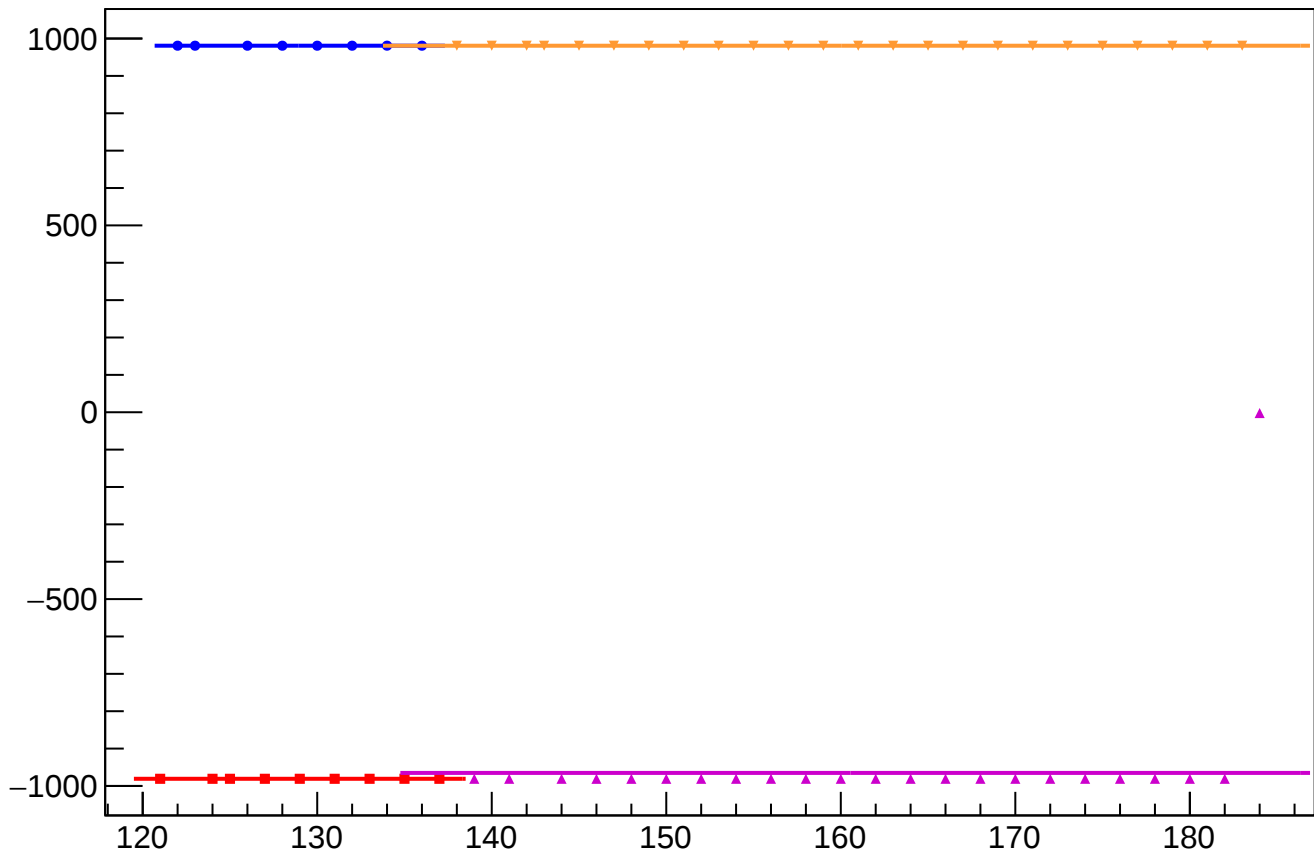
Right In: 920.801 +/- 0.000 χ^2/NDF : 3431767977579138653856652958525030400.0/7
 Left Out: 931.785 +/- 0.000 χ^2/NDF : 3906122667602283252280515887104.0/23
 Right Out: -890.665 +/- 0.000 χ^2/NDF : 11618305184314211867640193192732655616.0/8
 Left In: -916.890 +/- 0.000 χ^2/NDF : 2466789491747623125028694438888133632.0/22
 All: 25.978 +/- 0.000 χ^2/NDF : 3722622091021

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



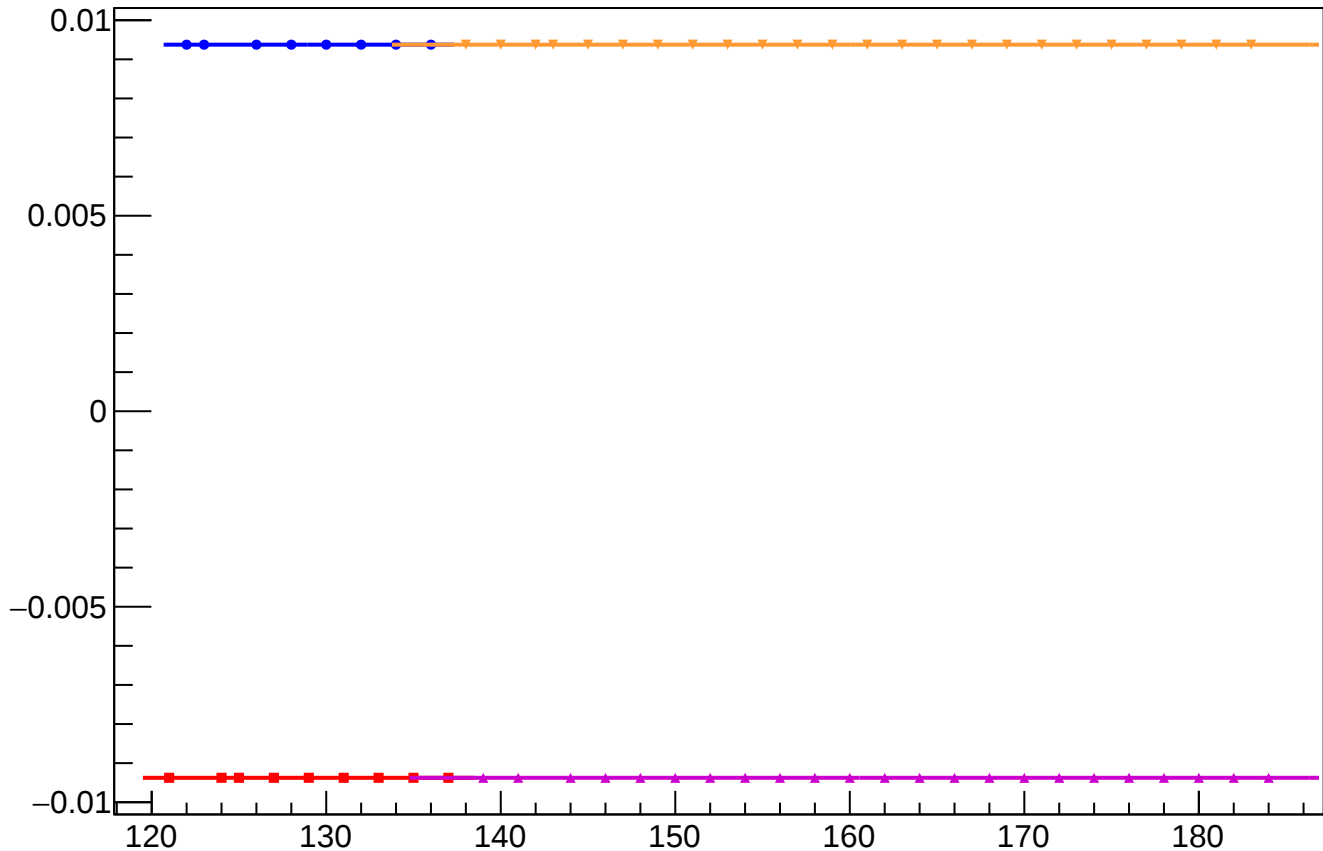
Right In: 741.528+/-0.000 χ^2/NDF : 18410222451199973732634329088.0/7
 Left Out: 741.512+/-0.000 χ^2/NDF : 222294600307939019301616353280.0/23
 Right Out: -741.528+/-0.000 χ^2/NDF : 16449370370749481853797793792.0/8
 Left In: -741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22
 All: 14.017+/-0.000 χ^2/NDF : 2384371419377

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 980.825+/-0.000	χ^2/NDF : 159096869175585744562040078336.0/7	Left: 23.687+/-0.000	χ^2/NDF : 35117960047060249
Left Out: 980.768+/-0.000	χ^2/NDF : 718671469232929364418561572864.0/23	Right: 32.897+/-0.000	χ^2/NDF : 6303695965164756
Right Out: -980.818+/-0.000	χ^2/NDF : 143449983287257544108372131840.0/8	In: -658.279+/-0.000	χ^2/NDF : 1108597428402988
Left In: -965.102+/-0.000	χ^2/NDF : 27330319430012441419356351914146004992.0/22	Out: 696.571+/-0.000	χ^2/NDF : 1043038907809497
		All: 25.080+/-0.000	χ^2/NDF : 4142212827238

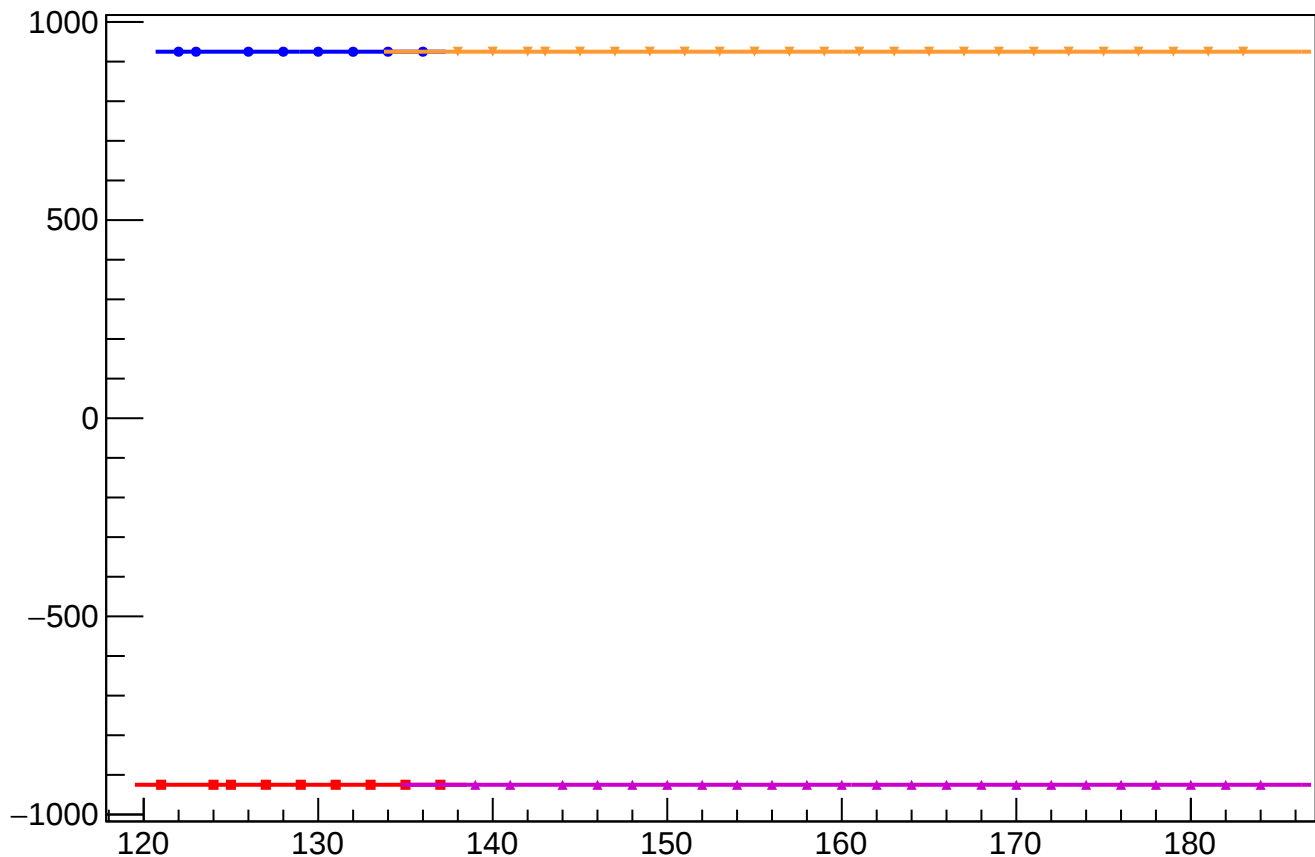
MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7
Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/23
Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8
Left In: -0.009+/-0.000 χ^2/NDF : 0.1/22

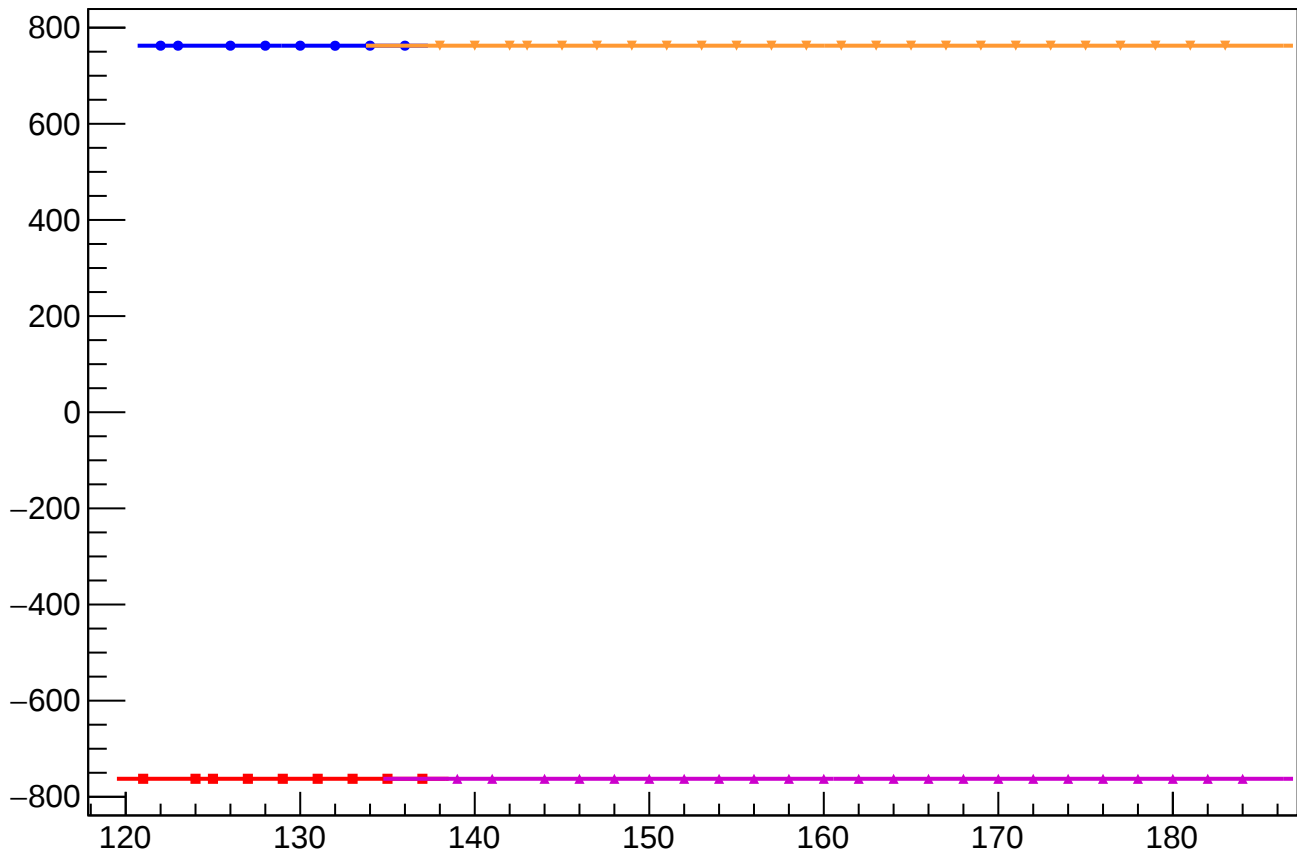
Left: 0.000+/-0.000 χ^2/NDF : 323527347993616673
Right: 0.000+/-0.000 χ^2/NDF : 57591403868140194
In: -0.006+/-0.000 χ^2/NDF : 100388099563953231
Out: 0.007+/-0.000 χ^2/NDF : 952989852319467964
All: 0.000+/-0.000 χ^2/NDF : 38113329875518

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



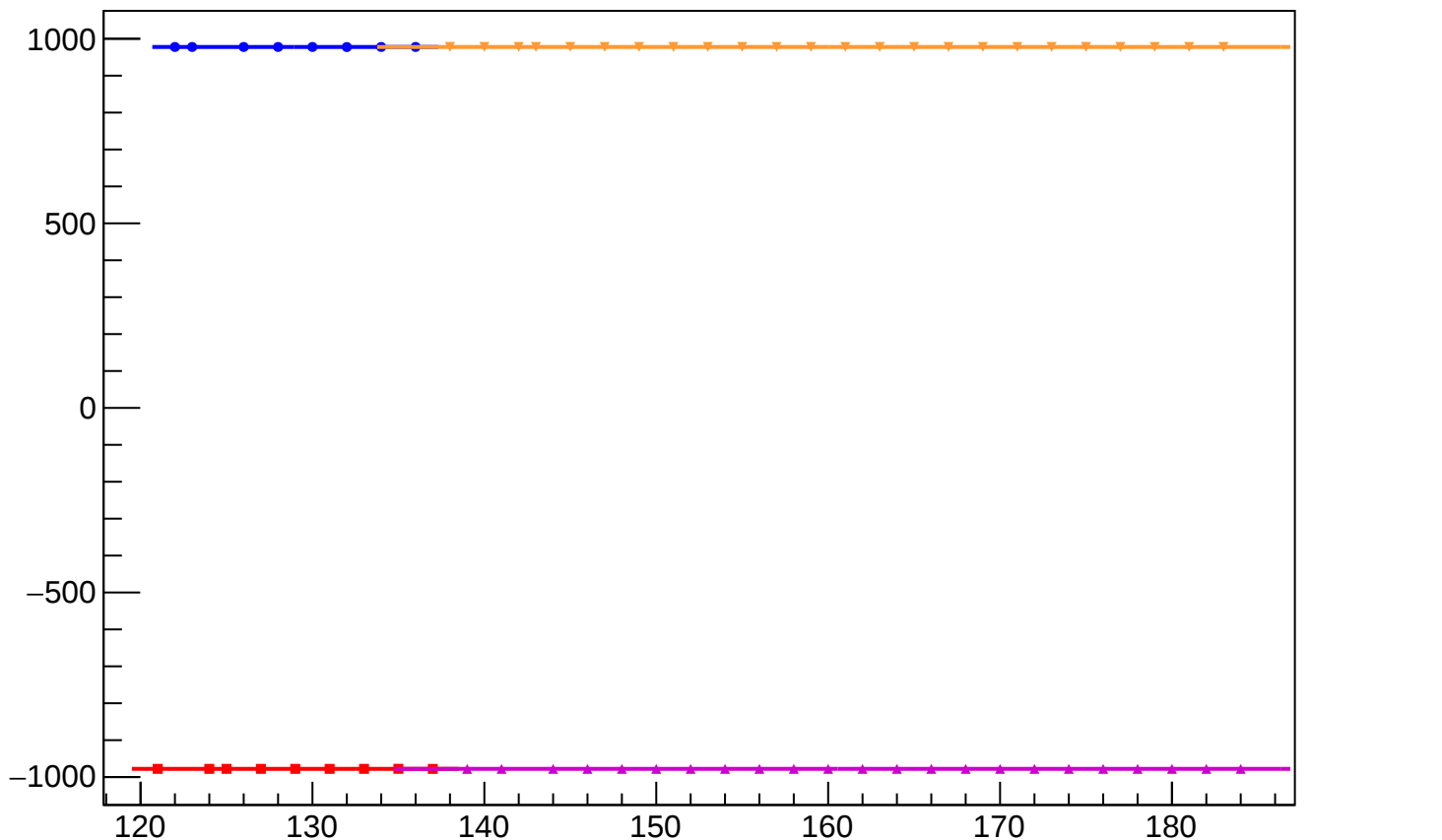
Right In: 924.939+/-0.000	χ^2/NDF : 1401388477255469733232112566272.0/7	Left: 15.073+/-0.000	χ^2/NDF : 31494556490557715
Left Out: 924.982+/-0.000	χ^2/NDF : 1019466743361660068034292744192.0/23	Right: 31.011+/-0.000	χ^2/NDF : 5605960031518534
Right Out: -924.957+/-0.000	χ^2/NDF : 71753961121998015100639772672.0/8	In: -633.297+/-0.000	χ^2/NDF : 9772071812629020
Left In: -924.983+/-0.000	χ^2/NDF : 888539224321534960792212865024.0/22	Out: 656.961+/-0.000	χ^2/NDF : 9276853335029529
	All: 17.483+/-0.000		χ^2/NDF : 3710193090875

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



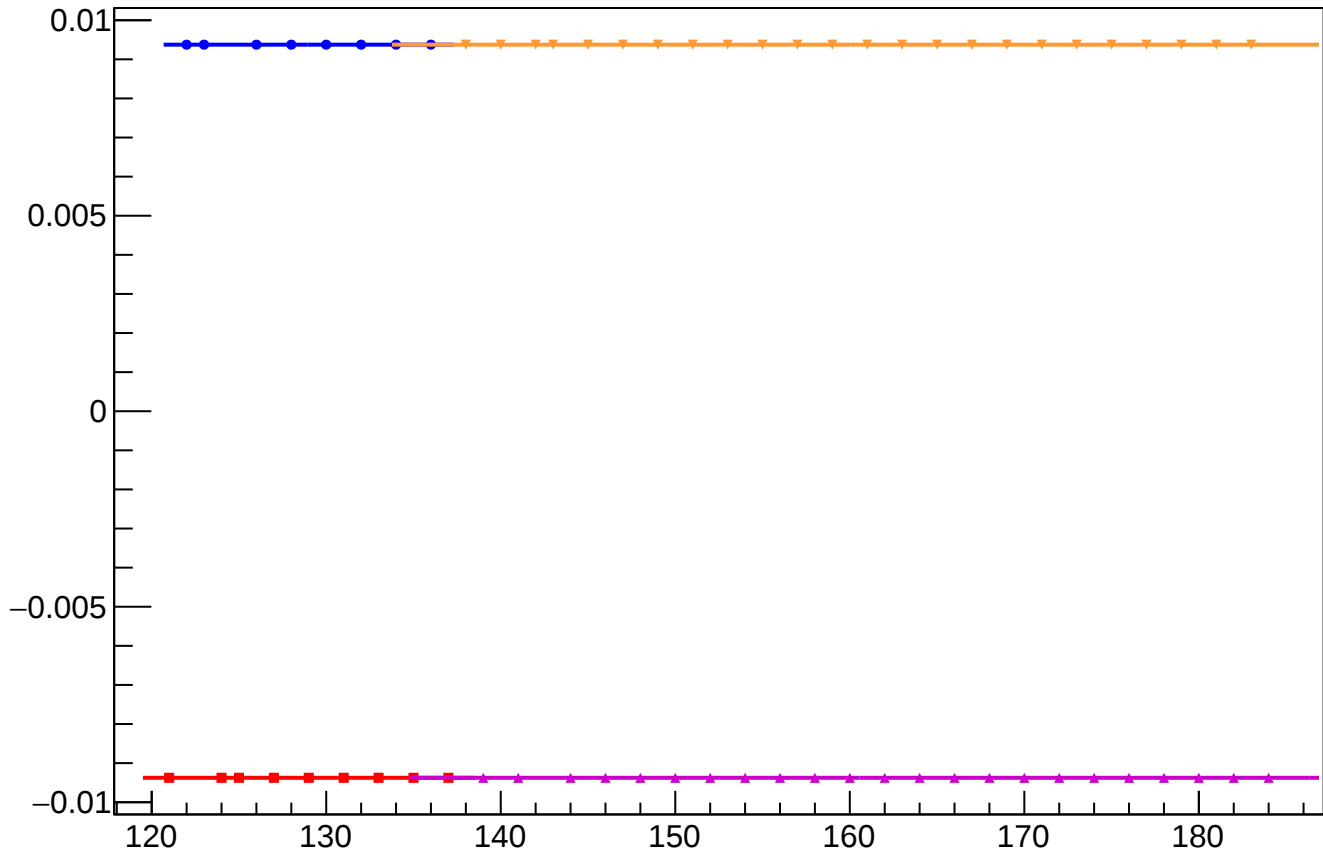
Right In: 762.483+/-0.000	χ^2/NDF : 783456713793632421311688998912.0/7	Left: 12.425+/-0.000	χ^2/NDF : 21402743125281502
Left Out: 762.518+/-0.000	χ^2/NDF : 712204922728514430389224210432.0/23	Right: 25.562+/-0.000	χ^2/NDF : 3809658504510128
Right Out: -762.501+/-0.000	χ^2/NDF : 468364983766916667715616768.0/8	In: -522.065+/-0.000	χ^2/NDF : 6640806121470915
Left In: -762.519+/-0.000	χ^2/NDF : 629058355419214408155297480704.0/22	Out: 541.572+/-0.000	χ^2/NDF : 6304295069842020
	All: 14.412+/-0.000		χ^2/NDF : 2521336259600

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000	χ^2/NDF : 1738037233029946574744730992640.0/7	Left: 15.934+/-0.000	χ^2/NDF : 35189395595599120
Left Out: 977.738+/-0.000	χ^2/NDF : 1149985872924224781836844269568.0/23	Right: 32.792+/-0.000	χ^2/NDF : 6264131662816582
Right Out: -977.737+/-0.000	χ^2/NDF : 771953144544759396277170470912.0/8	In: -669.406+/-0.000	χ^2/NDF : 1091904183916938
Left In: -977.735+/-0.000	χ^2/NDF : 976503887937607318263199432704.0/22	Out: 694.426+/-0.000	χ^2/NDF : 1036549390691900
	All: 18.483+/-0.000		χ^2/NDF : 4145510963172

hesDipole_current_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 : 0.1/23

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 : 323527347993616673

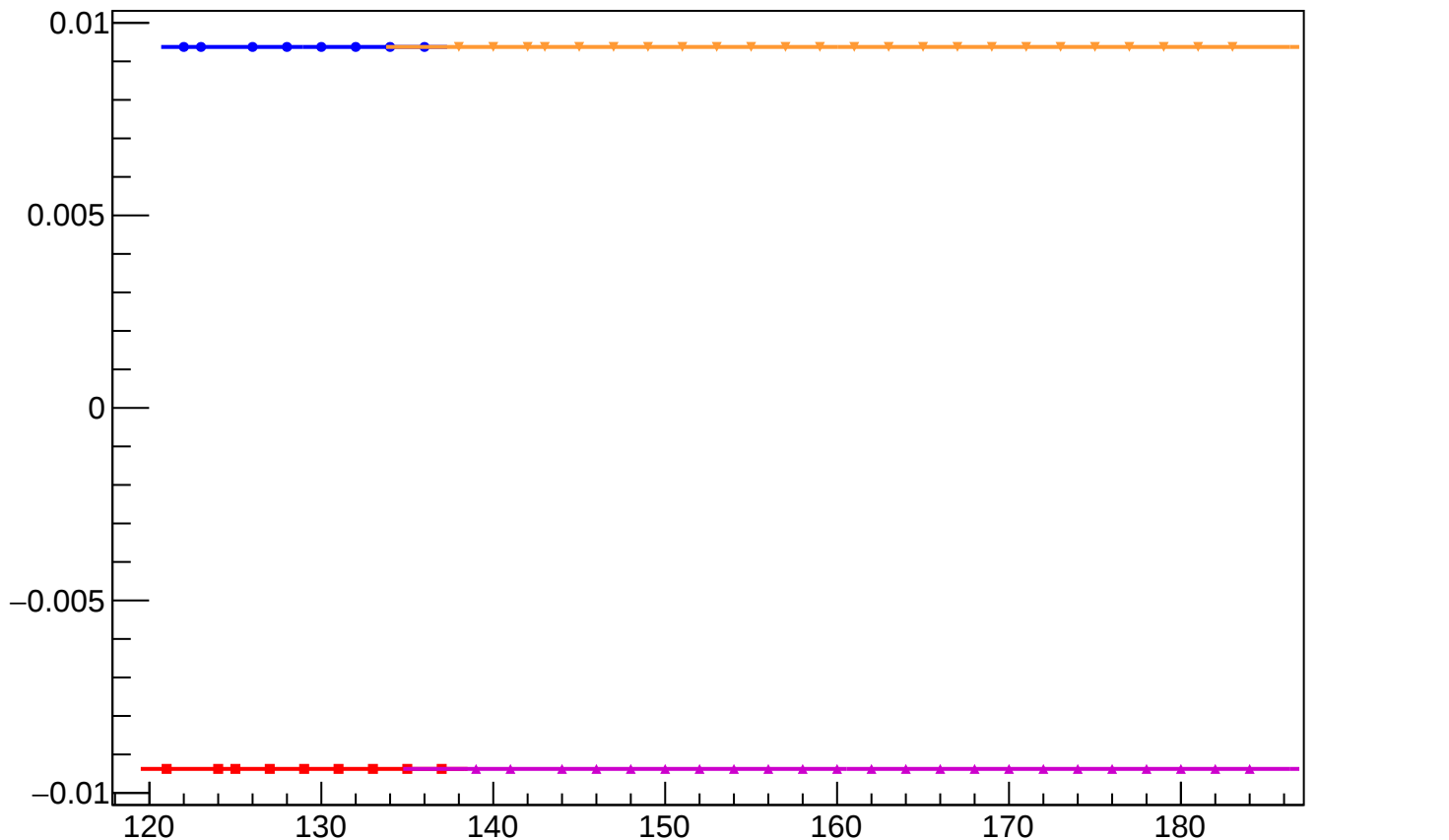
Right: 0.000+/-0.000 χ^2/NDF : 57591403868140194

In: -0.006+/-0.000 χ^2/NDF : 100388099563953231

Out: 0.007+/-0.000 χ^2/NDF : 952989852319467964

All: 0.000+/-0.000 χ^2/NDF : 38113329875518

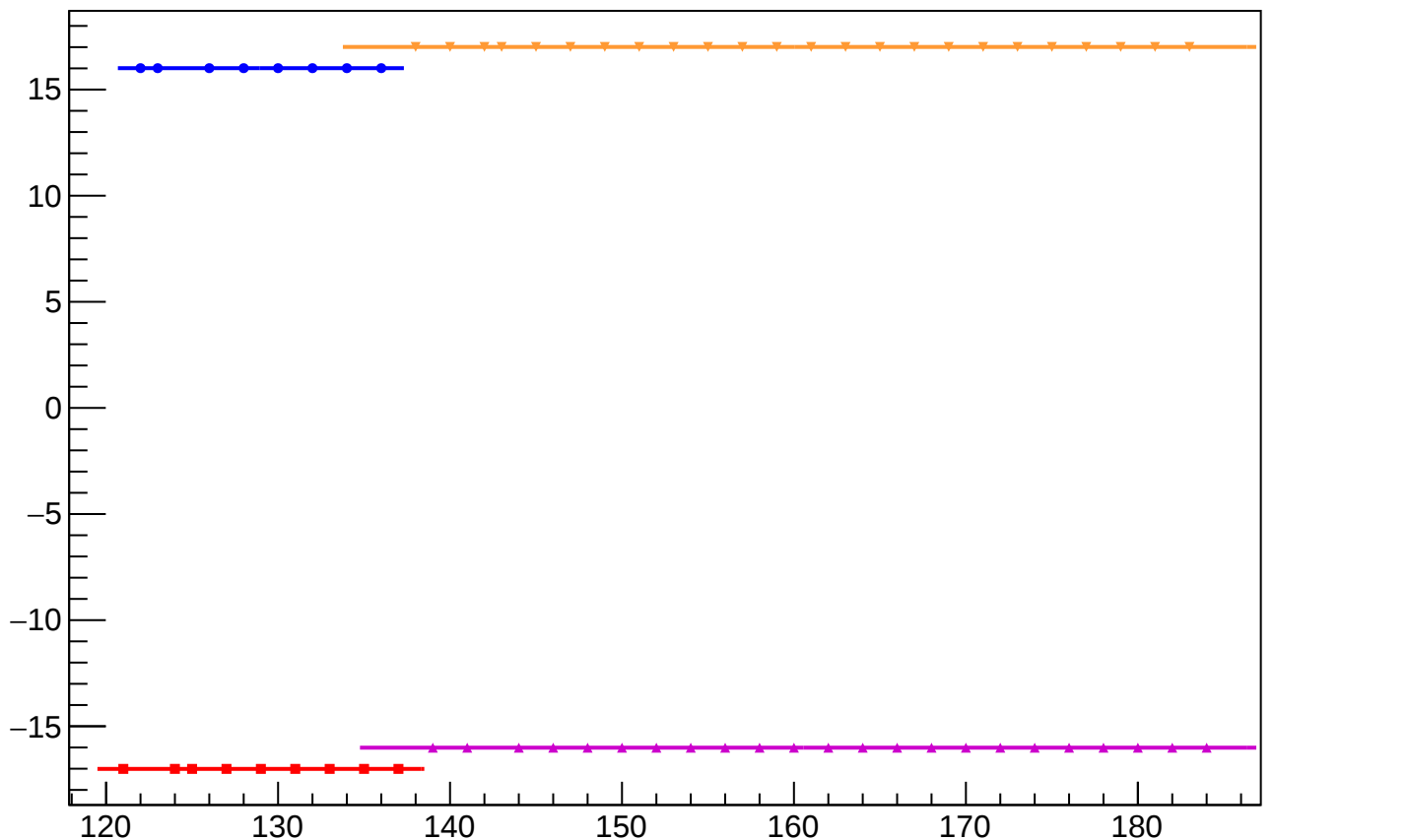
MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/7
 Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.1/23
 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 : 323527347993616673
 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 : 952989852319467964
 All: 0.000 $\pm$ 0.000 χ^2/NDF : 38113329875518

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: 25859682289433389305954304.0/23

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: 0.756 $\pm$ 0.000 χ^2 /NDF: 931650469826972792

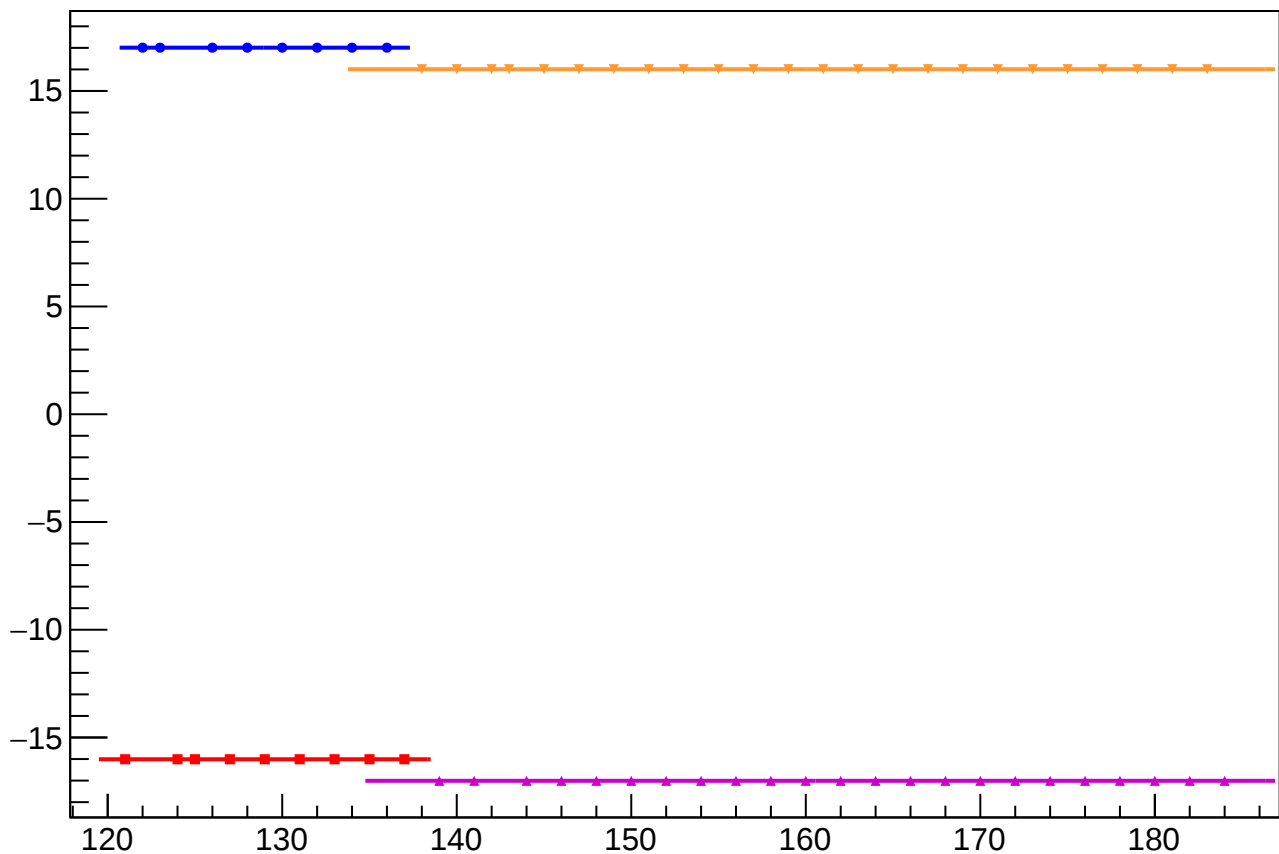
Right: -0.177 $\pm$ 0.000 χ^2 /NDF: 1672862198827261

In: -10.988 $\pm$ 0.000 χ^2 /NDF: 27056811290547119

Out: 11.982 $\pm$ 0.000 χ^2 /NDF: 29686267402985049

All: 0.614 $\pm$ 0.000 χ^2 /NDF: 1099389935666

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 82003.7/7

Left Out: 16.009+/-0.000 χ^2/NDF : 95092.4/23

Right Out: -16.009+/-0.000 χ^2/NDF : 18844.3/8

Left In: -17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22

Left: -0.130+/-0.000 χ^2/NDF : 98426228163368244

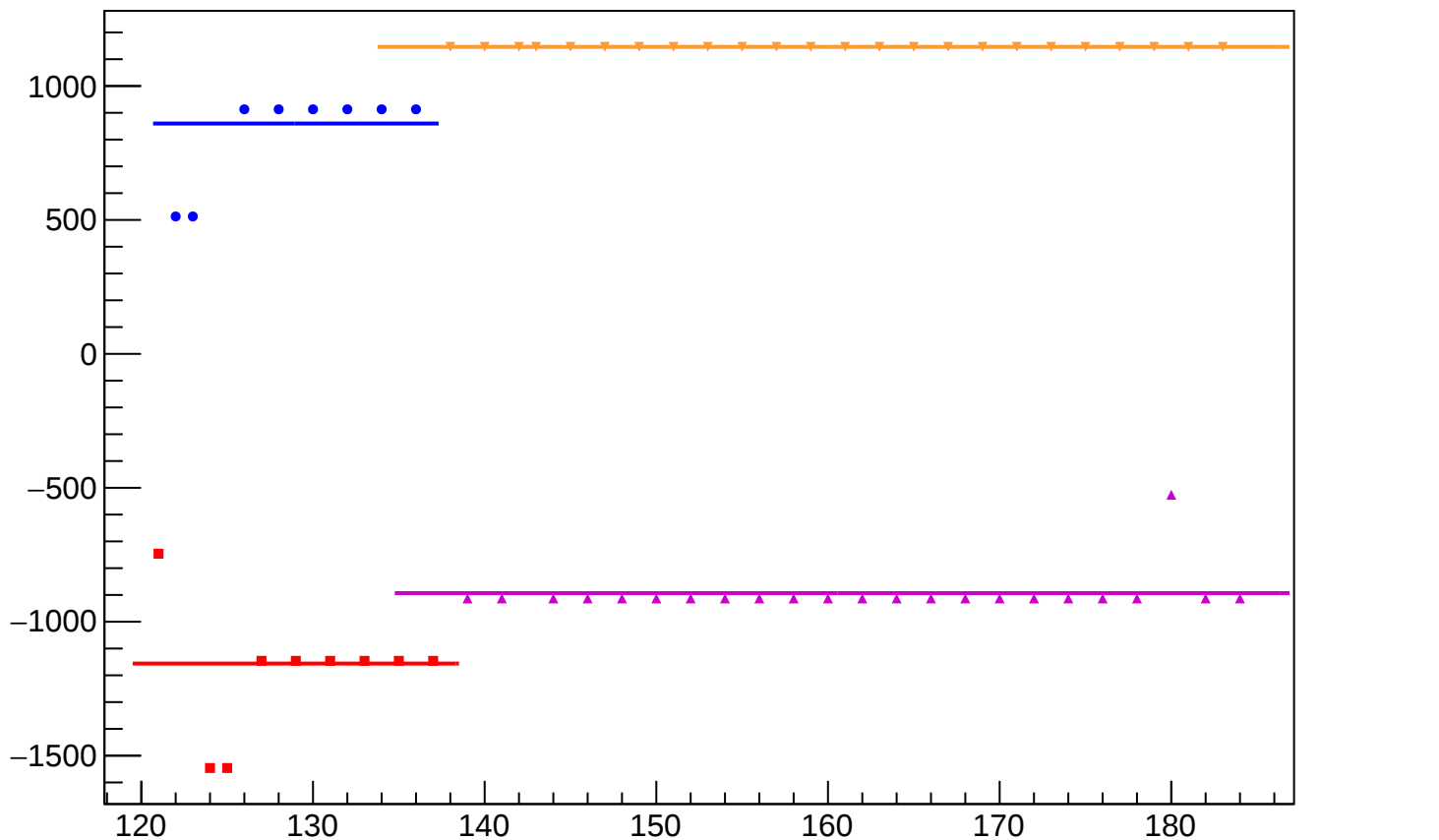
Right: 1.054+/-0.000 χ^2/NDF : 17859791195497110

In: -11.531+/-0.000 χ^2/NDF : 32913567303769346

Out: 11.319+/-0.000 χ^2/NDF : 27738159918645701

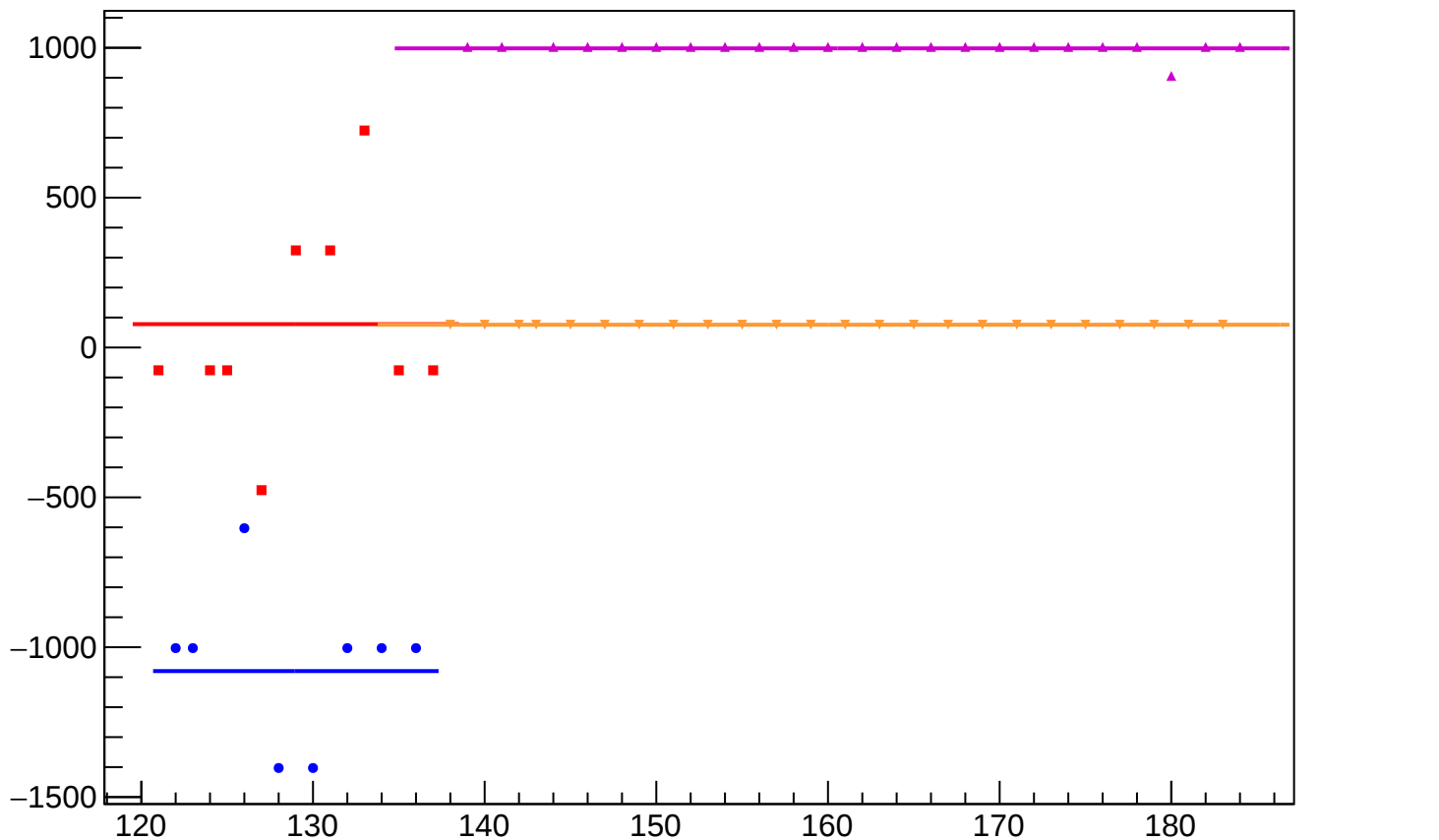
All: 0.052+/-0.000 χ^2/NDF : 11636378962725

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 143.062+/-0.000 χ^2/NDF : 3839679613499096
 Right In: 859.895+/-0.000 χ^2/NDF : 6244310211396691746388505873258381312.0/7
 Left Out: 1146.011+/-0.000 χ^2/NDF : 6499561913728217601569456128.0/23
 Right Out: -1156.104+/-0.000 χ^2/NDF : 13728364455898441296418095102599102464.0/8
 In: -616.711+/-0.000 χ^2/NDF : 8969682453662087
 Out: 812.478+/-0.000 χ^2/NDF : 1450341725512941
 Left In: -893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22
 All: 104.143+/-0.000 χ^2/NDF : 456231971223

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 : 11354646665640527971122937856.0/23
 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: 370.752 +/- 0.000 χ^2/NDF : 167702000619