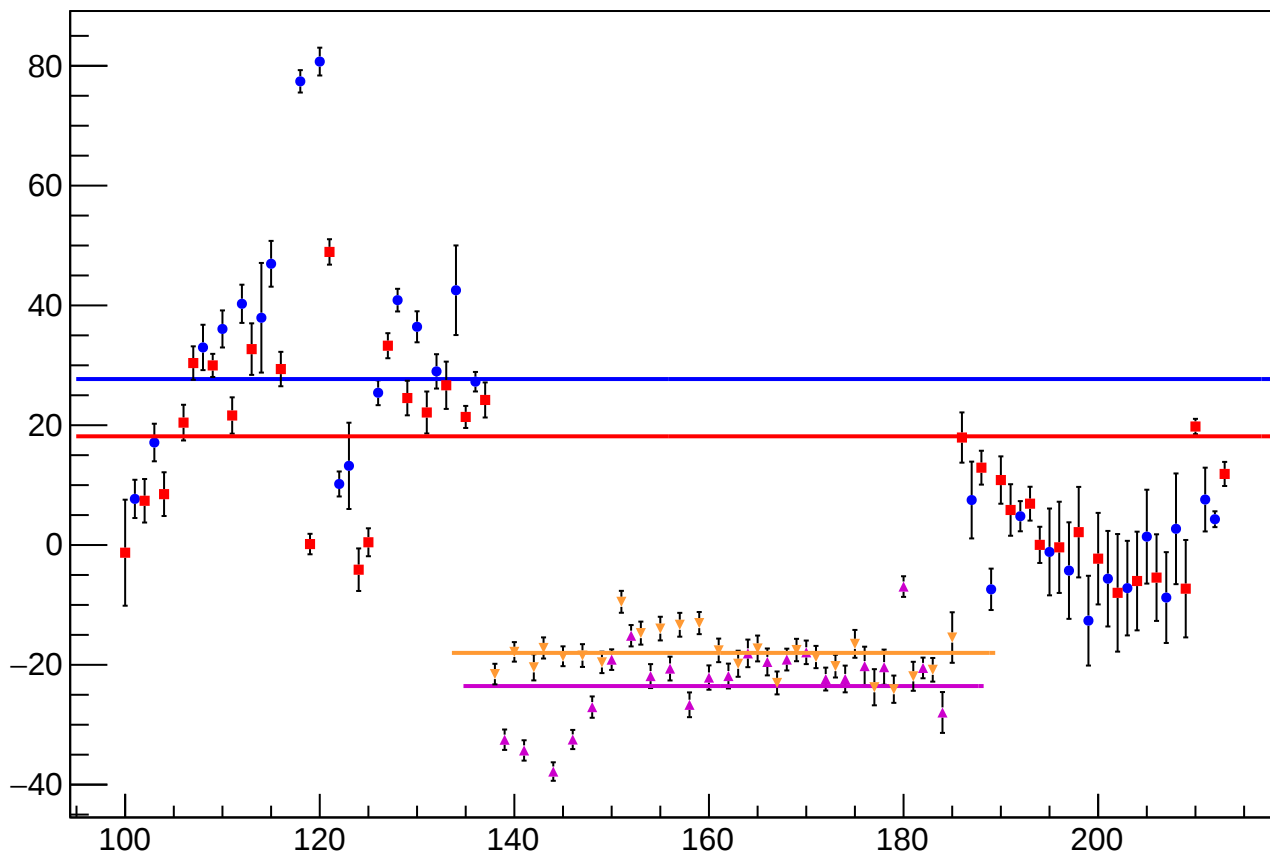


diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 27.708 ± 0.538 χ^2/NDF : 2131.7/29

Left Out: -18.007 ± 0.397 χ^2/NDF : 73.8/24

Right Out: 18.148 ± 0.488 χ^2/NDF : 726.6/33

Left In: -23.544 ± 0.406 χ^2/NDF : 346.7/22

Left: -20.714 ± 0.284 χ^2/NDF : 515.7/47

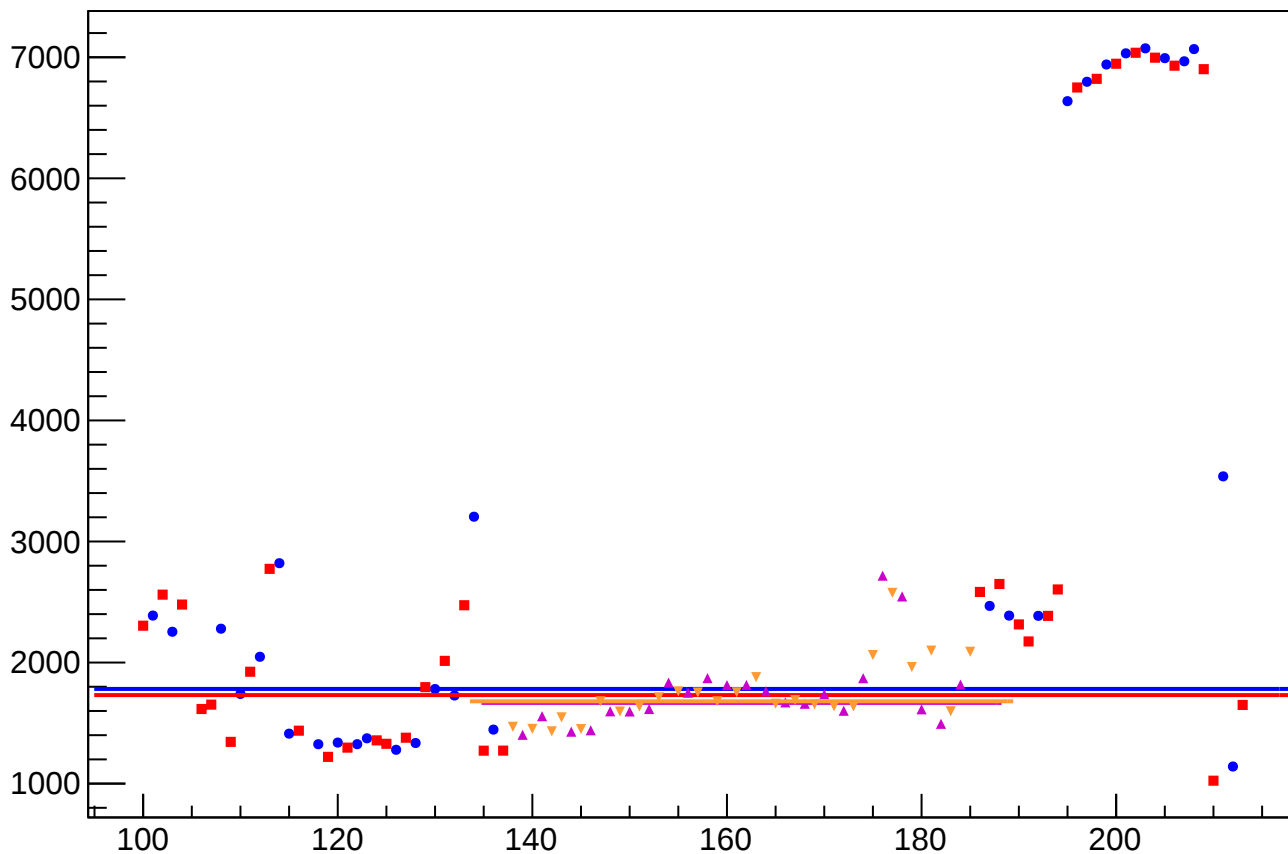
Right: 22.463 ± 0.362 χ^2/NDF : 3031.5/63

In: -4.974 ± 0.324 χ^2/NDF : 8262.2/52

Out: -3.628 ± 0.308 χ^2/NDF : 4104.2/58

All: -4.267 ± 0.223 χ^2/NDF : 12375.5/111

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1782.089 ± 0.381 $\chi^2/\text{NDF}: 8638101.9/29$

Left Out: 1679.814 ± 0.281 $\chi^2/\text{NDF}: 522795.6/24$

Right Out: 1731.203 ± 0.345 $\chi^2/\text{NDF}: 8288213.0/33$

Left In: 1666.819 ± 0.287 $\chi^2/\text{NDF}: 650990.8/22$

Left: 1673.462 ± 0.201 $\chi^2/\text{NDF}: 1174835.7/47$

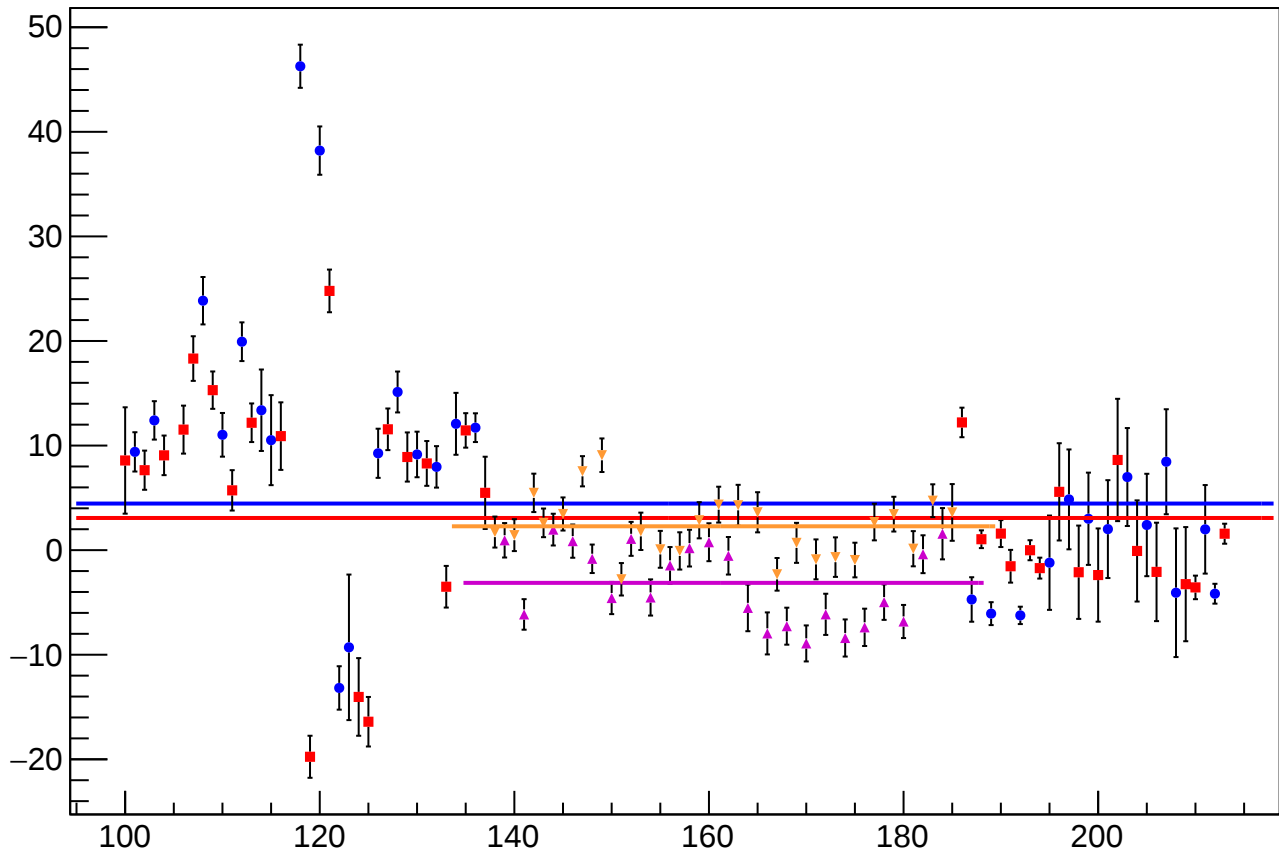
Right: 1754.173 ± 0.256 $\chi^2/\text{NDF}: 16936125.0/63$

In: 1708.584 ± 0.229 $\chi^2/\text{NDF}: 9347605.4/52$

Out: 1700.253 ± 0.218 $\chi^2/\text{NDF}: 8824357.4/58$

All: 1704.207 ± 0.158 $\chi^2/\text{NDF}: 18172658.0/110$

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 4.455 $\pm$ 0.361 χ^2 /NDF: 1326.8/29

Left Out: 2.280 $\pm$ 0.338 χ^2 /NDF: 75.6/24

Right Out: 3.076 $\pm$ 0.298 χ^2 /NDF: 694.3/33

Left In: -3.129 $\pm$ 0.358 χ^2 /NDF: 103.4/22

Left: -0.274 $\pm$ 0.246 χ^2 /NDF: 299.7/47

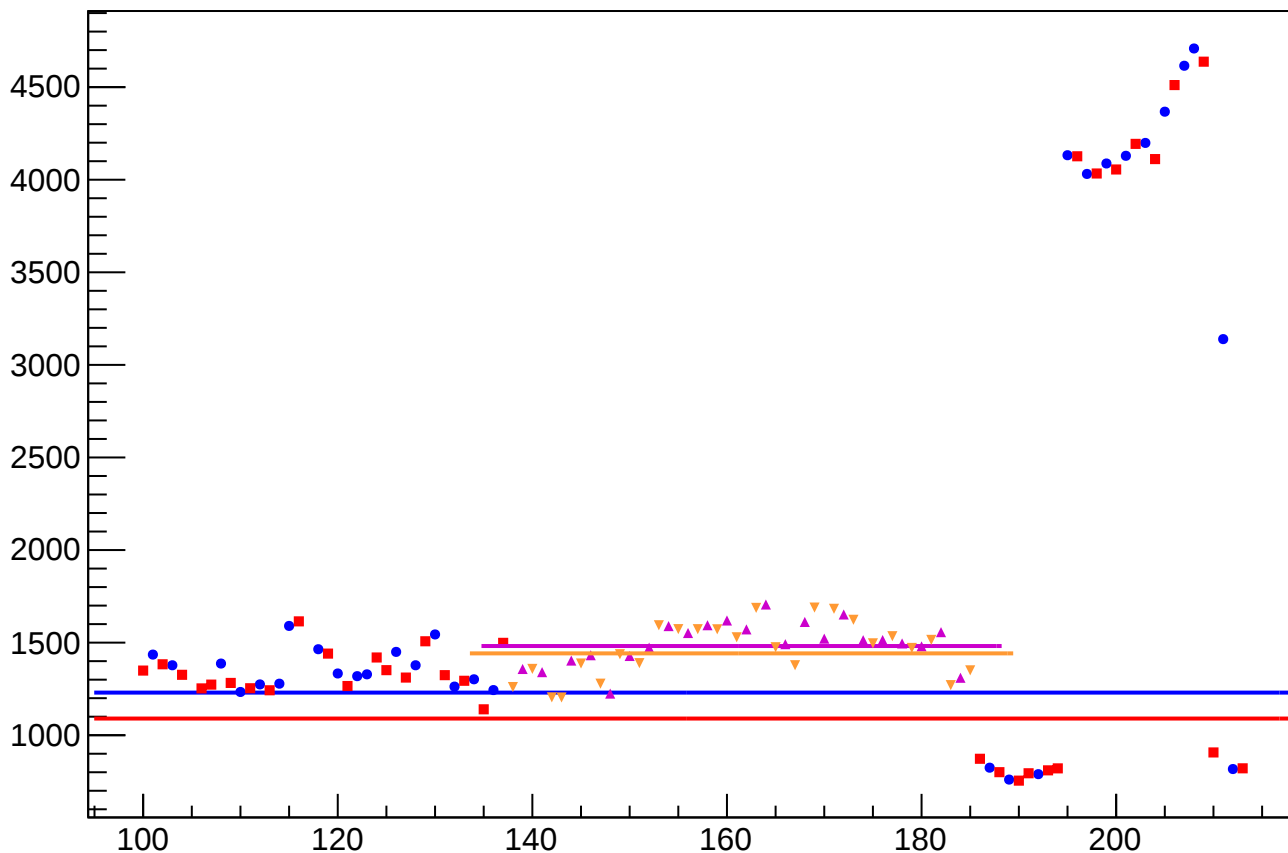
Right: 3.634 $\pm$ 0.230 χ^2 /NDF: 2029.7/63

In: 0.623 $\pm$ 0.254 χ^2 /NDF: 1652.6/52

Out: 2.728 $\pm$ 0.224 χ^2 /NDF: 773.0/58

All: 1.810 $\pm$ 0.168 χ^2 /NDF: 2464.2/111

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1230.139 $\pm$ 0.256 χ^2/NDF : 8252991.6/29

Left Out: 1441.951 $\pm$ 0.239 χ^2/NDF : 370617.4/24

Right Out: 1090.018 $\pm$ 0.211 χ^2/NDF : 7360506.9/33

Left In: 1481.695 $\pm$ 0.253 χ^2/NDF : 208470.6/22

Left: 1460.716 $\pm$ 0.174 χ^2/NDF : 592125.7/47

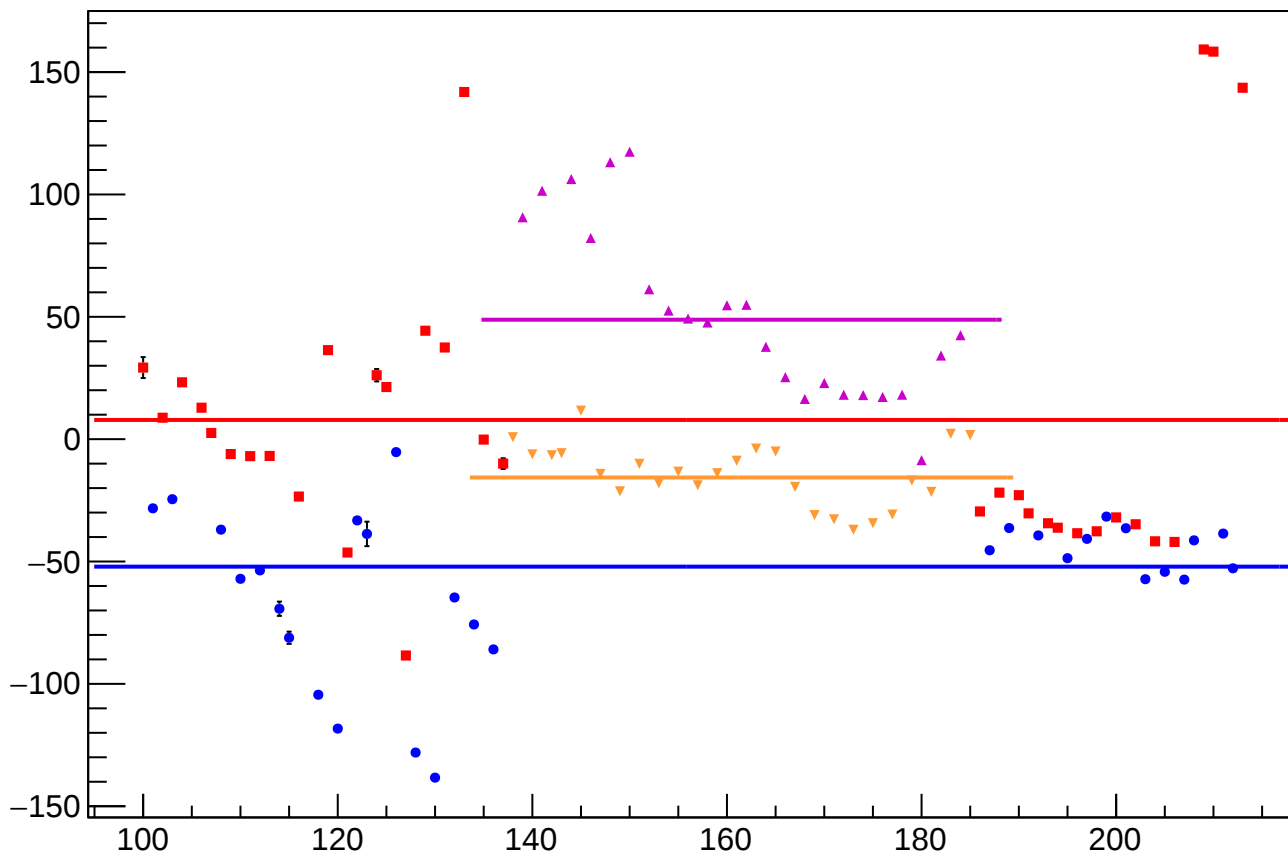
Right: 1146.753 $\pm$ 0.163 χ^2/NDF : 15792370.6/63

In: 1357.250 $\pm$ 0.180 χ^2/NDF : 8950969.1/52

Out: 1243.896 $\pm$ 0.158 χ^2/NDF : 8949601.7/58

All: 1293.352 $\pm$ 0.119 χ^2/NDF : 18124711.1/13

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -52.095 ± 0.181 $\chi^2/\text{NDF}: 17630.7/29$

Left Out: -15.666 ± 0.212 $\chi^2/\text{NDF}: 3518.1/24$

Right Out: 7.847 ± 0.174 $\chi^2/\text{NDF}: 171886.8/33$

Left In: 48.812 ± 0.220 $\chi^2/\text{NDF}: 25260.8/22$

Left: 15.324 ± 0.152 $\chi^2/\text{NDF}: 73443.2/47$

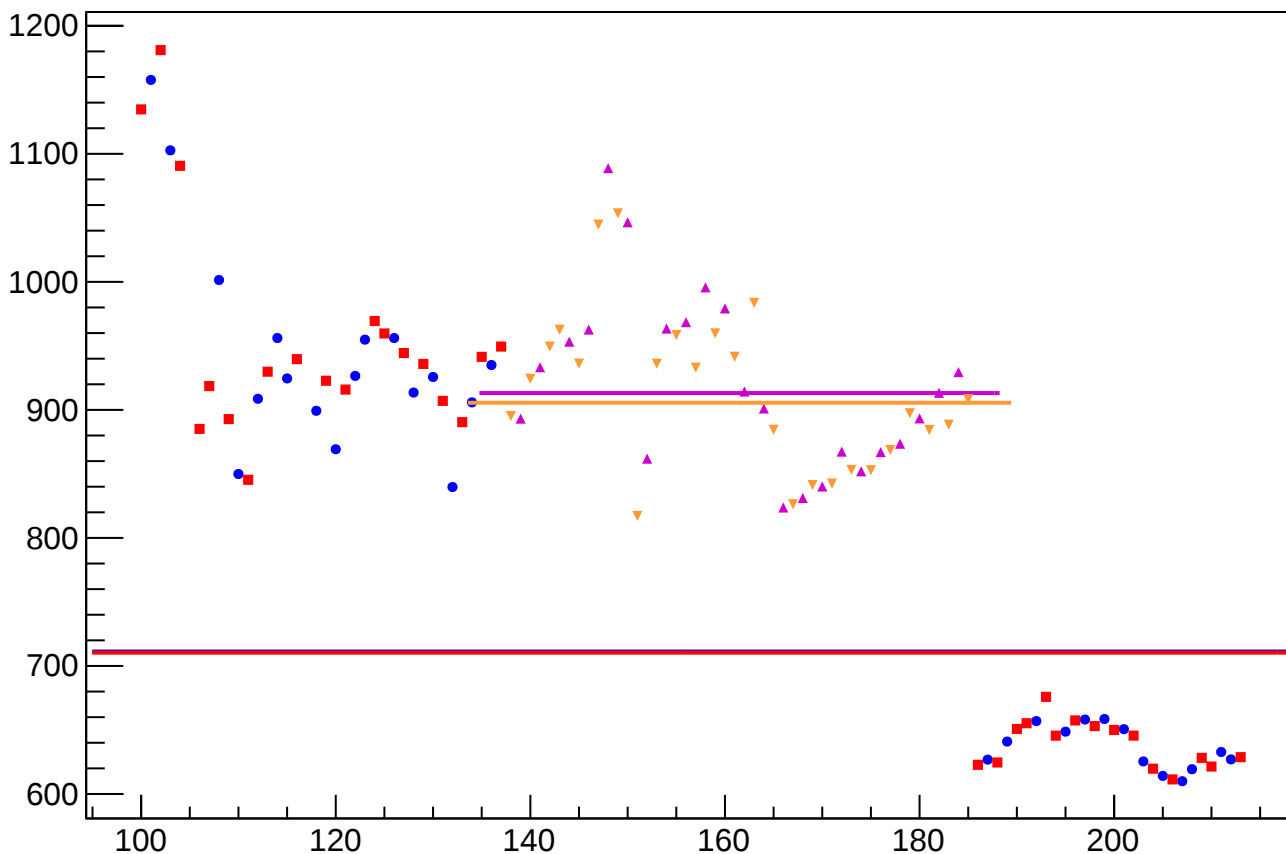
Right: -20.851 ± 0.125 $\chi^2/\text{NDF}: 246558.9/63$

In: -11.282 ± 0.140 $\chi^2/\text{NDF}: 168324.0/52$

Out: -1.621 ± 0.134 $\chi^2/\text{NDF}: 182786.8/58$

All: -6.253 ± 0.097 $\chi^2/\text{NDF}: 353595.3/111$

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 711.256 ± 0.128 $\chi^2/\text{NDF}: 1146984.2/29$

Left Out: 905.578 ± 0.150 $\chi^2/\text{NDF}: 162073.5/24$

Right Out: 710.395 ± 0.123 $\chi^2/\text{NDF}: 1216138.7/33$

Left In: 913.165 ± 0.155 $\chi^2/\text{NDF}: 174438.8/22$

Left: 909.225 ± 0.108 $\chi^2/\text{NDF}: 337749.0/47$

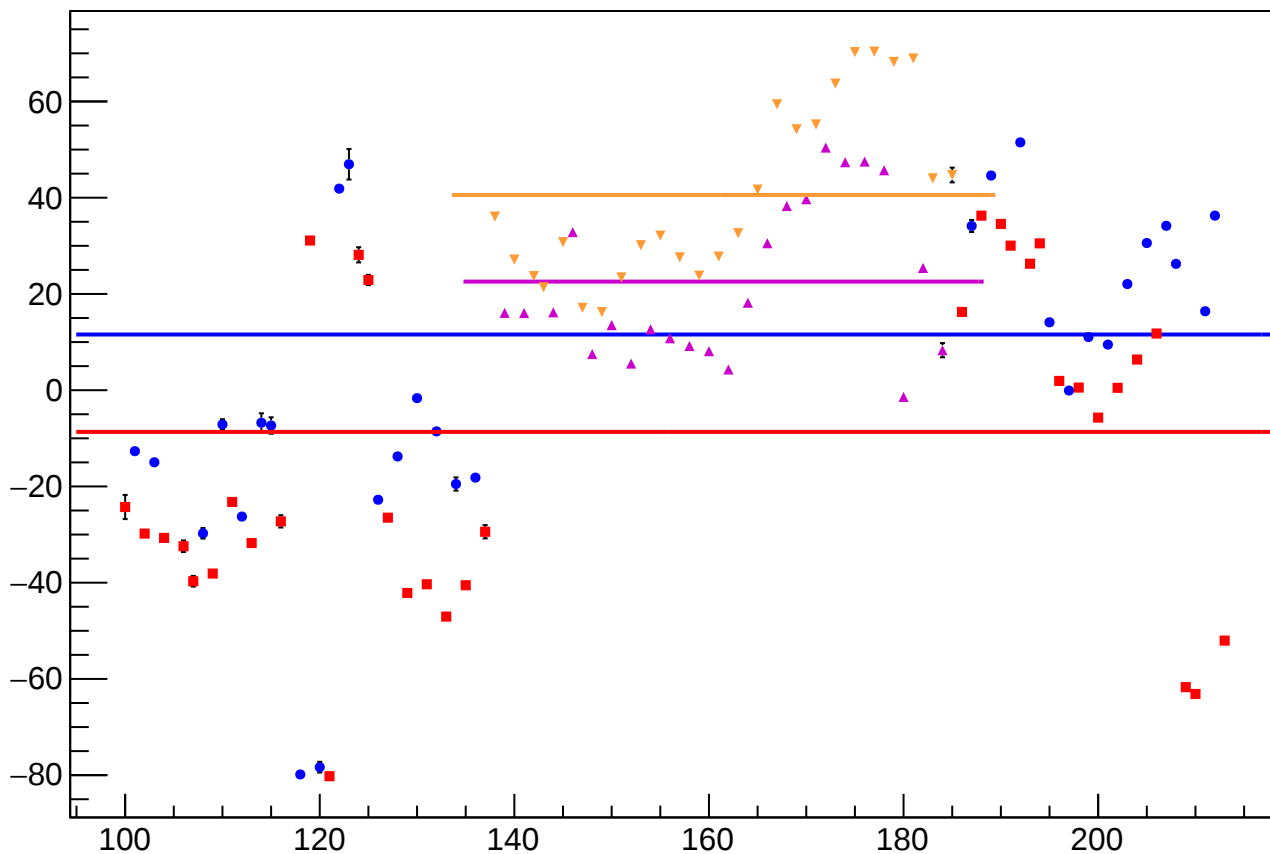
Right: 710.807 ± 0.089 $\chi^2/\text{NDF}: 2363146.5/63$

In: 792.921 ± 0.099 $\chi^2/\text{NDF}: 2325812.6/52$

Out: 788.988 ± 0.095 $\chi^2/\text{NDF}: 2395530.7/58$

All: 790.874 ± 0.068 $\chi^2/\text{NDF}: 4722166.7/111$

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 11.573 ± 0.134 χ^2/NDF : 43798.3/29

Left Out: 40.573 ± 0.168 χ^2/NDF : 12079.0/24

Right Out: -8.660 ± 0.128 χ^2/NDF : 68136.5/33

Left In: 22.565 ± 0.175 χ^2/NDF : 8167.7/22

Left: 31.959 ± 0.121 χ^2/NDF : 25752.7/47

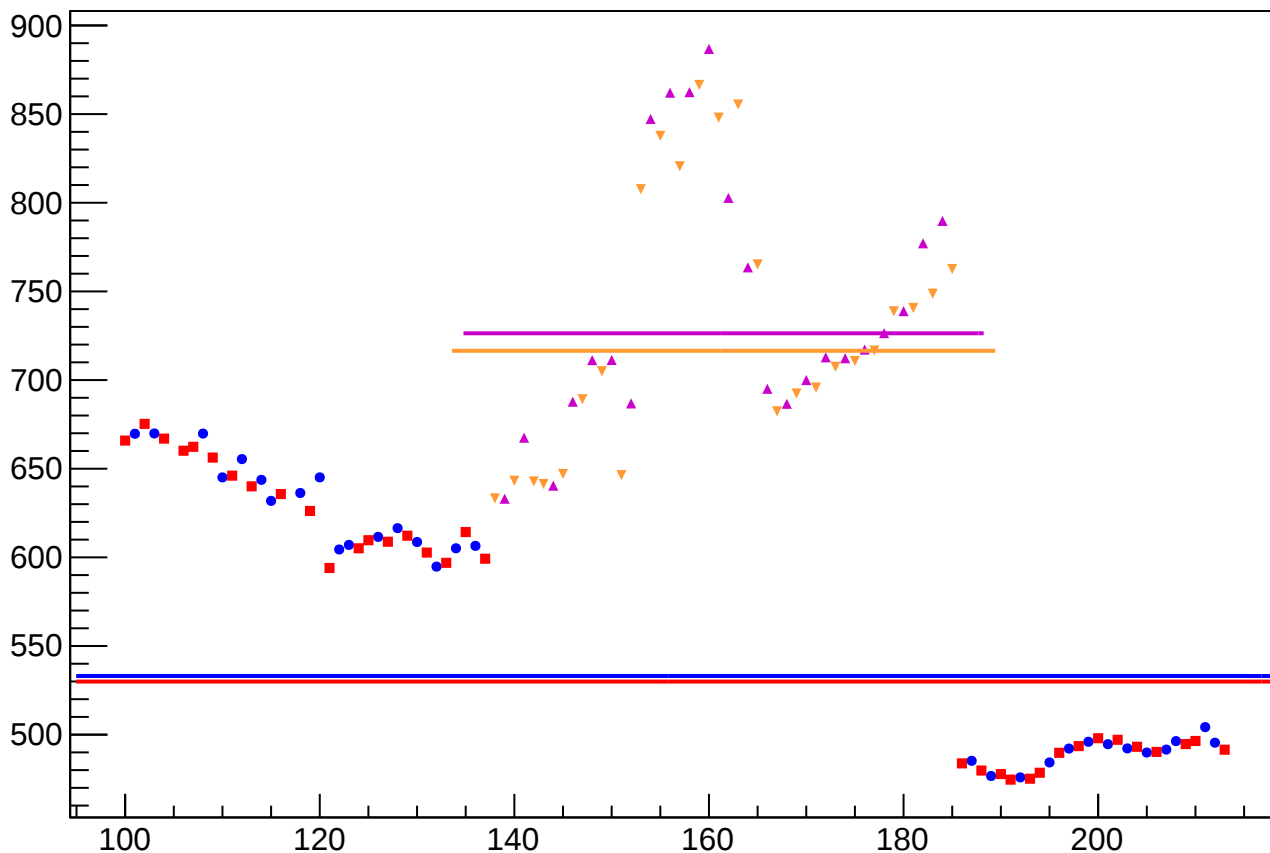
Right: 0.985 ± 0.093 χ^2/NDF : 123804.6/63

In: 15.641 ± 0.107 χ^2/NDF : 54443.3/52

Out: 9.484 ± 0.102 χ^2/NDF : 134549.0/58

All: 12.423 ± 0.074 χ^2/NDF : 190734.9/111

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 533.079 ± 0.095 $\chi^2/\text{NDF}: 484189.4/29$

Left Out: 716.515 ± 0.119 $\chi^2/\text{NDF}: 342740.2/24$

Right Out: 529.946 ± 0.091 $\chi^2/\text{NDF}: 535545.4/33$

Left In: 726.390 ± 0.124 $\chi^2/\text{NDF}: 289788.8/22$

Left: 721.238 ± 0.086 $\chi^2/\text{NDF}: 635840.6/47$

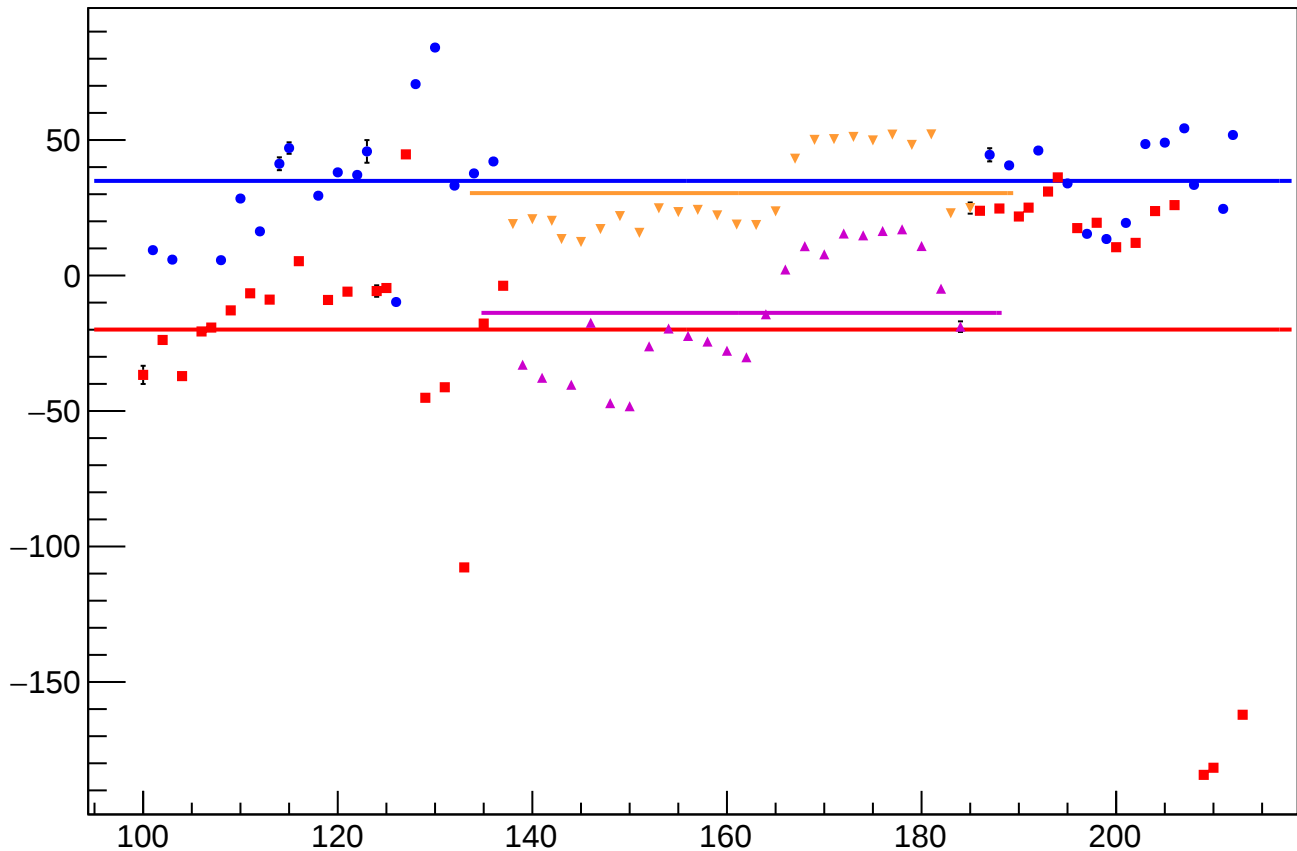
Right: 531.440 ± 0.066 $\chi^2/\text{NDF}: 1020304.1/63$

In: 604.615 ± 0.075 $\chi^2/\text{NDF}: 2306362.5/52$

Out: 598.705 ± 0.072 $\chi^2/\text{NDF}: 2438793.2/58$

All: 601.526 ± 0.052 $\chi^2/\text{NDF}: 4748367.8/111$

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 34.912 ± 0.215 $\chi^2/\text{NDF}: 8610.9/29$

Left Out: 30.408 ± 0.237 $\chi^2/\text{NDF}: 3808.0/24$

Right Out: -19.945 ± 0.207 $\chi^2/\text{NDF}: 89192.8/33$

Left In: -13.787 ± 0.246 $\chi^2/\text{NDF}: 7979.7/22$

Left: 9.082 ± 0.171 $\chi^2/\text{NDF}: 28511.9/47$

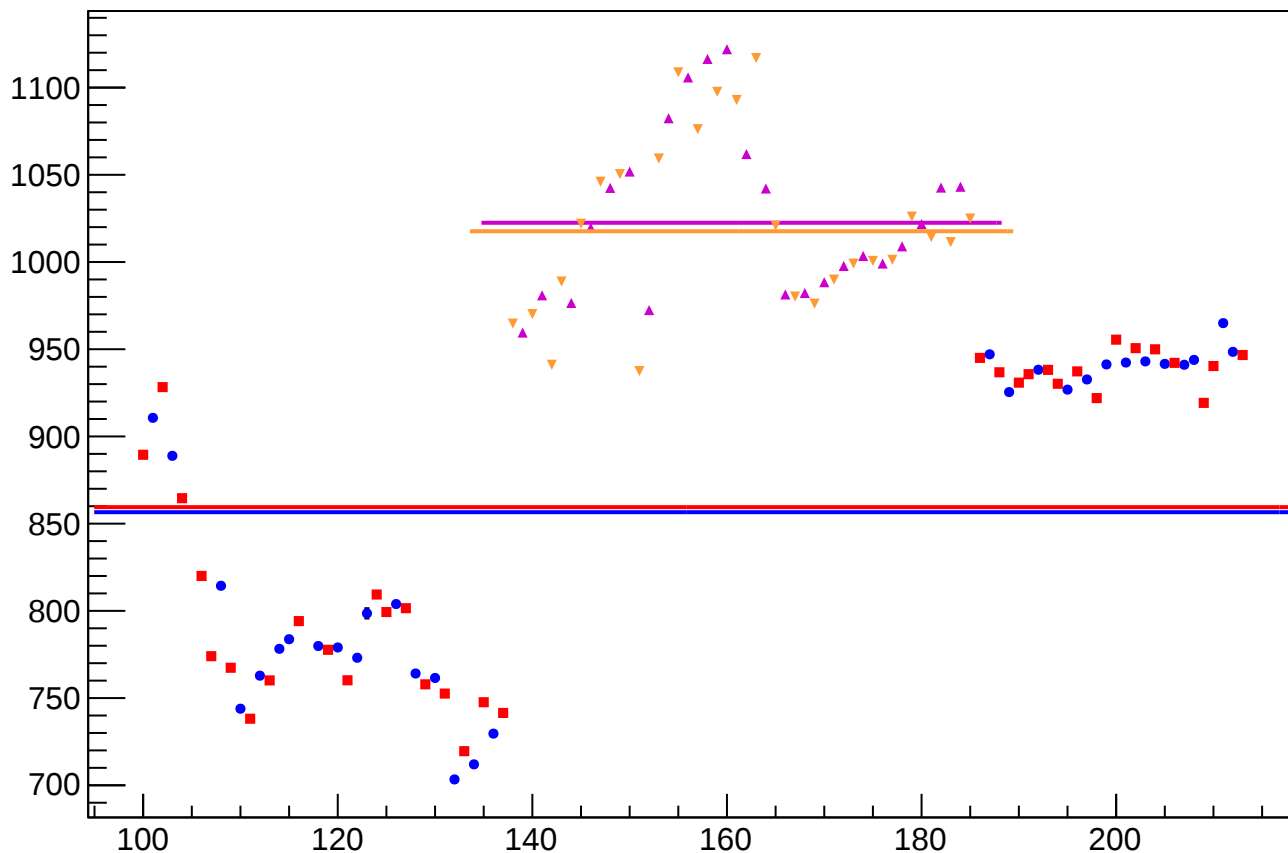
Right: 6.437 ± 0.149 $\chi^2/\text{NDF}: 131445.3/63$

In: 13.753 ± 0.162 $\chi^2/\text{NDF}: 38783.2/52$

Out: 1.853 ± 0.156 $\chi^2/\text{NDF}: 118514.1/58$

All: 7.584 ± 0.112 $\chi^2/\text{NDF}: 160092.9/111$

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 856.570 $\pm$ 0.152 χ^2/NDF : 359159.5/29

Left Out: 1017.653 $\pm$ 0.168 χ^2/NDF : 83612.5/24

Right Out: 859.465 $\pm$ 0.147 χ^2/NDF : 348269.7/33

Left In: 1022.511 $\pm$ 0.174 χ^2/NDF : 69635.5/22

Left: 1019.997 $\pm$ 0.121 χ^2/NDF : 153652.2/47

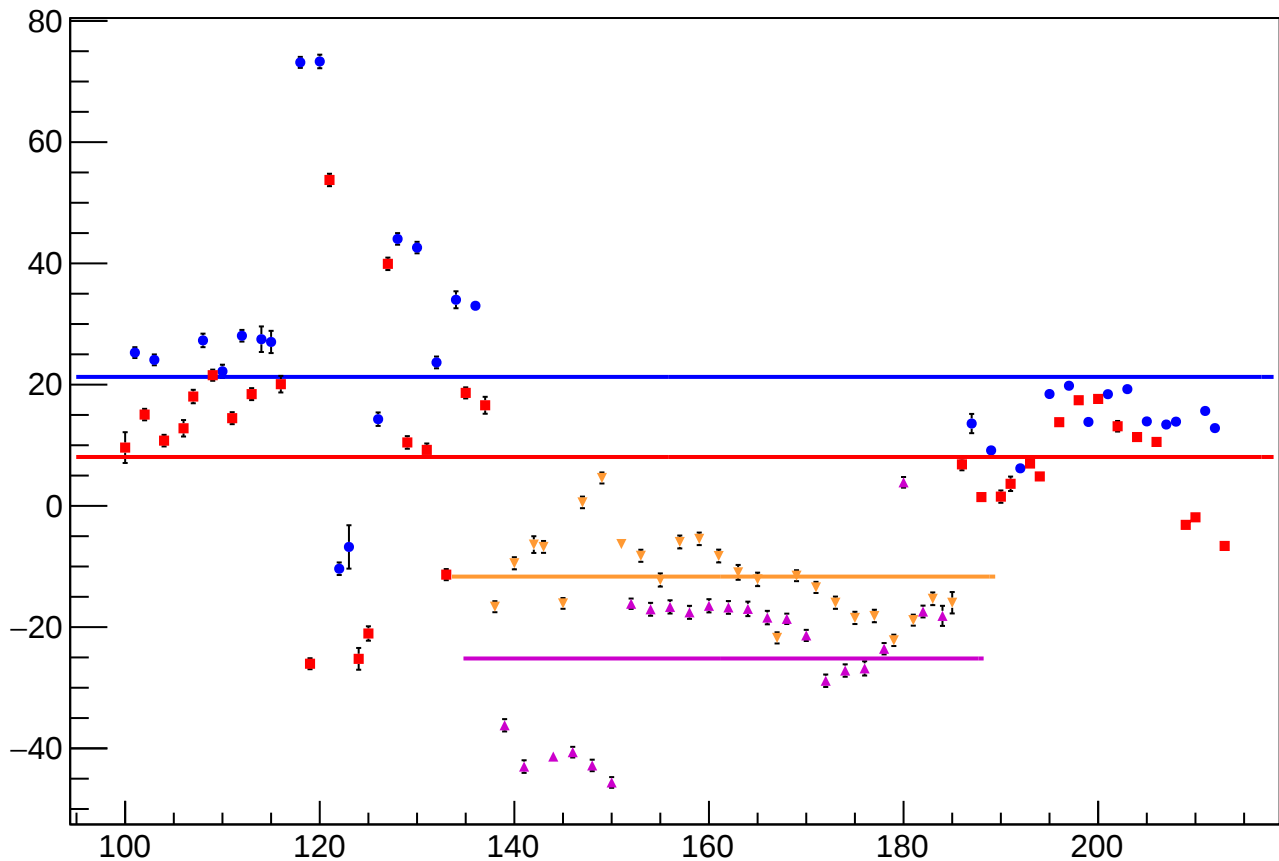
Right: 858.073 $\pm$ 0.106 χ^2/NDF : 707616.6/63

In: 928.671 $\pm$ 0.115 χ^2/NDF : 944153.9/52

Out: 927.943 $\pm$ 0.110 χ^2/NDF : 935481.1/58

All: 928.294 $\pm$ 0.080 χ^2/NDF : 1879655.9/111

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 21.276 $\pm$ 0.154 χ^2/NDF : 9642.0/29

Left Out: -11.664 $\pm$ 0.200 χ^2/NDF : 1147.4/24

Right Out: 8.066 $\pm$ 0.147 χ^2/NDF : 8432.2/33

Left In: -25.174 $\pm$ 0.207 χ^2/NDF : 3747.1/22

Left: -18.184 $\pm$ 0.144 χ^2/NDF : 7090.4/47

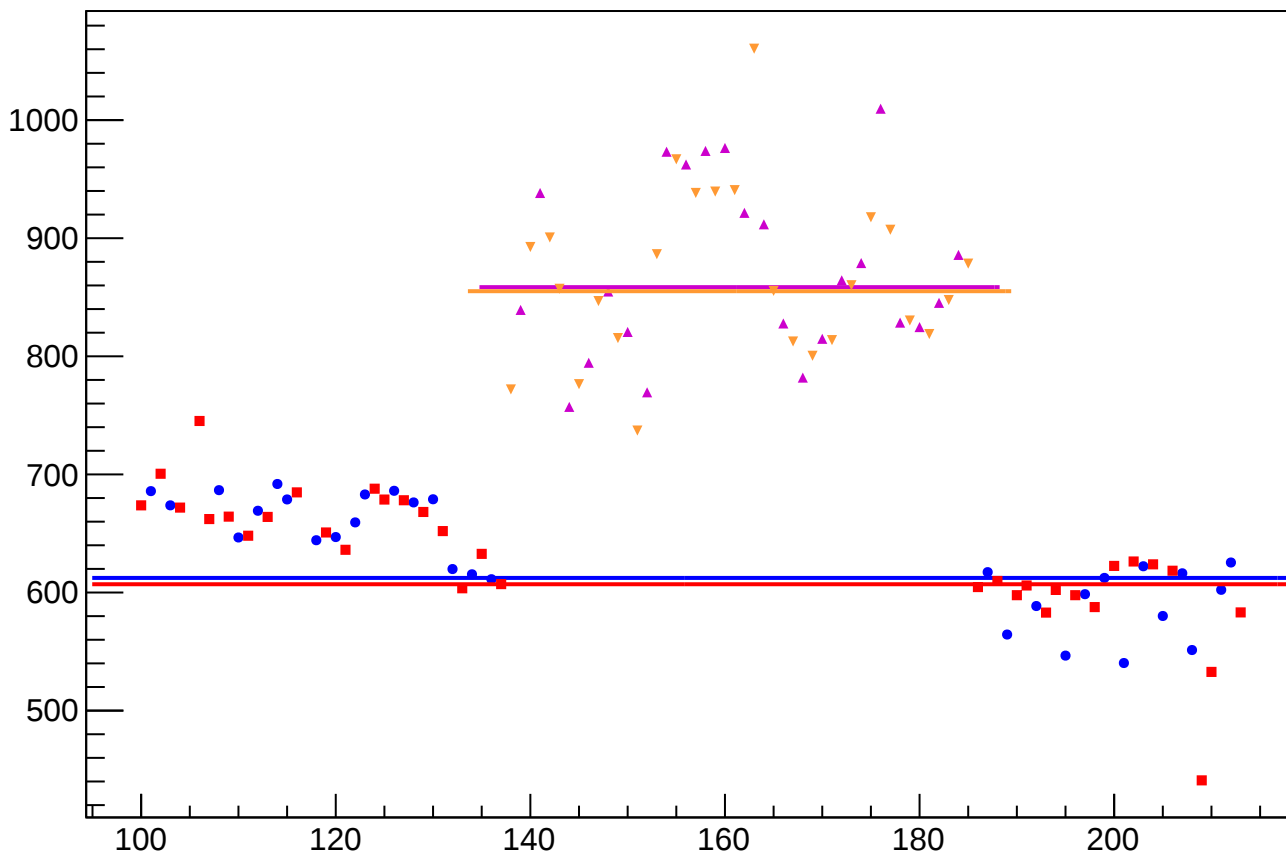
Right: 14.351 $\pm$ 0.106 χ^2/NDF : 21929.8/63

In: 4.762 $\pm$ 0.124 χ^2/NDF : 45722.7/52

Out: 1.174 $\pm$ 0.118 χ^2/NDF : 15893.8/58

All: 2.890 $\pm$ 0.086 χ^2/NDF : 62055.8/111

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 612.363 $\pm$ 0.109 χ^2 /NDF: 164898.2/29

Left Out: 855.131 $\pm$ 0.142 χ^2 /NDF: 233746.7/24

Right Out: 607.011 $\pm$ 0.104 χ^2 /NDF: 362021.5/33

Left In: 858.563 $\pm$ 0.147 χ^2 /NDF: 239019.8/22

Left: 856.788 $\pm$ 0.102 χ^2 /NDF: 473049.9/47

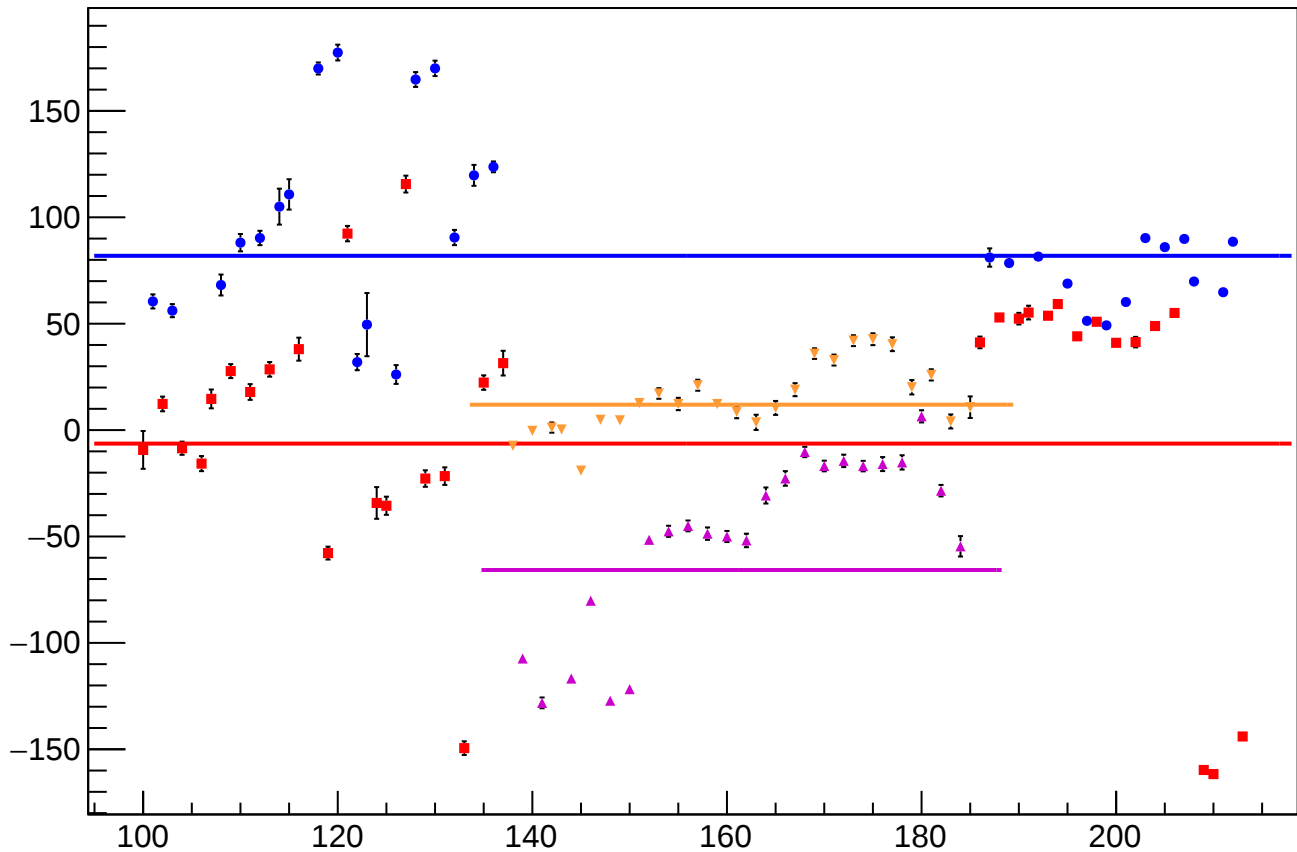
Right: 609.558 $\pm$ 0.075 χ^2 /NDF: 528185.8/63

In: 699.894 $\pm$ 0.087 χ^2 /NDF: 2220696.6/52

Out: 693.683 $\pm$ 0.084 χ^2 /NDF: 2593037.4/58

All: 696.653 $\pm$ 0.060 χ^2 /NDF: 4816367.1/111

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 81.907 $\pm$ 0.466 χ^2/NDF : 4534.1/29

Left Out: 11.938 $\pm$ 0.505 χ^2/NDF : 976.6/24

Right Out: -6.344 $\pm$ 0.437 χ^2/NDF : 38944.8/33

Left In: -65.752 $\pm$ 0.518 χ^2/NDF : 7335.8/22

Left: -25.968 $\pm$ 0.362 χ^2/NDF : 19845.5/47

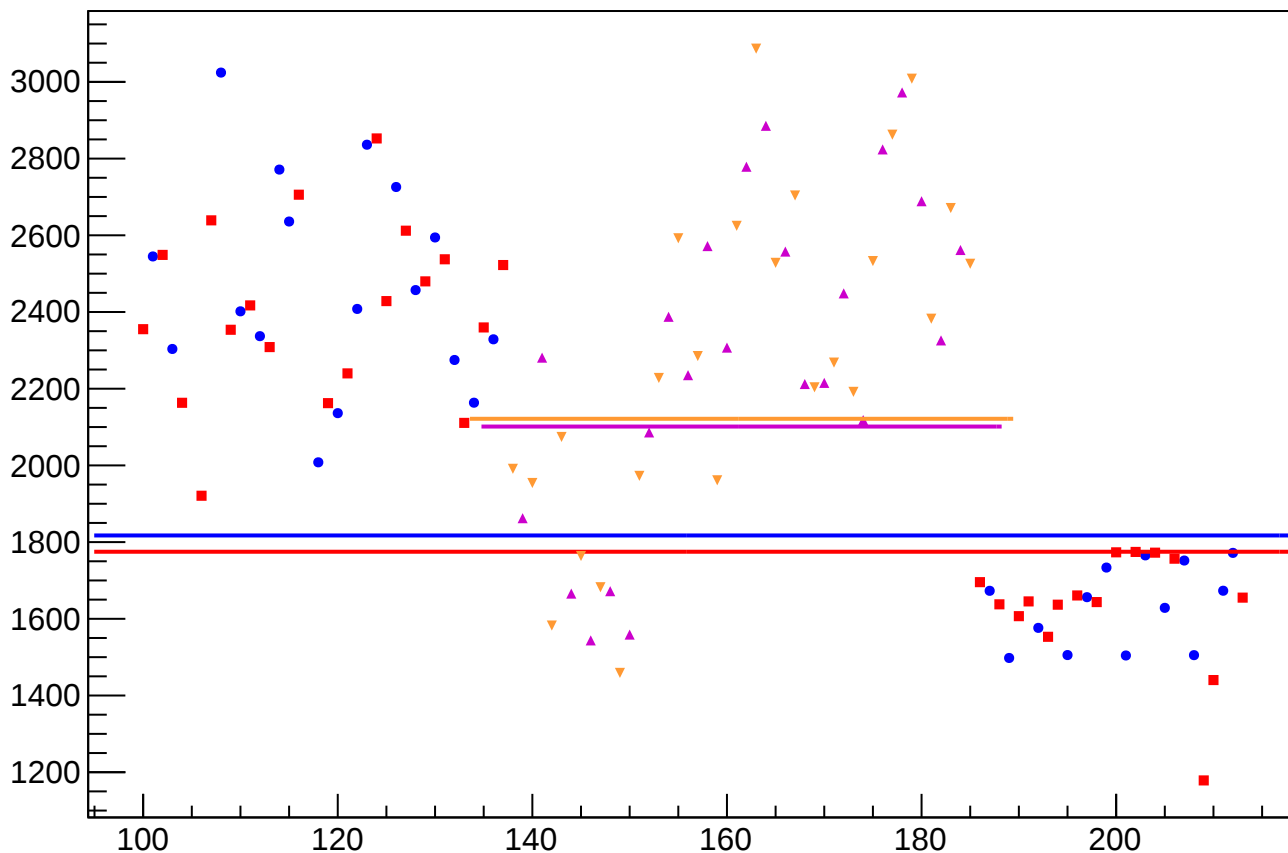
Right: 34.995 $\pm$ 0.319 χ^2/NDF : 62579.9/63

In: 15.883 $\pm$ 0.346 χ^2/NDF : 56849.3/52

Out: 1.479 $\pm$ 0.331 χ^2/NDF : 40670.3/58

All: 8.349 $\pm$ 0.239 χ^2/NDF : 98425.2/111

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1817.338 $\pm$ 0.329 χ^2/NDF : 1180077.5/29

Left Out: 2121.567 $\pm$ 0.357 χ^2/NDF : 1387847.6/24

Right Out: 1774.885 $\pm$ 0.309 χ^2/NDF : 1477433.2/33

Left In: 2101.325 $\pm$ 0.366 χ^2/NDF : 1360518.3/22

Left: 2111.691 $\pm$ 0.256 χ^2/NDF : 2749931.8/47

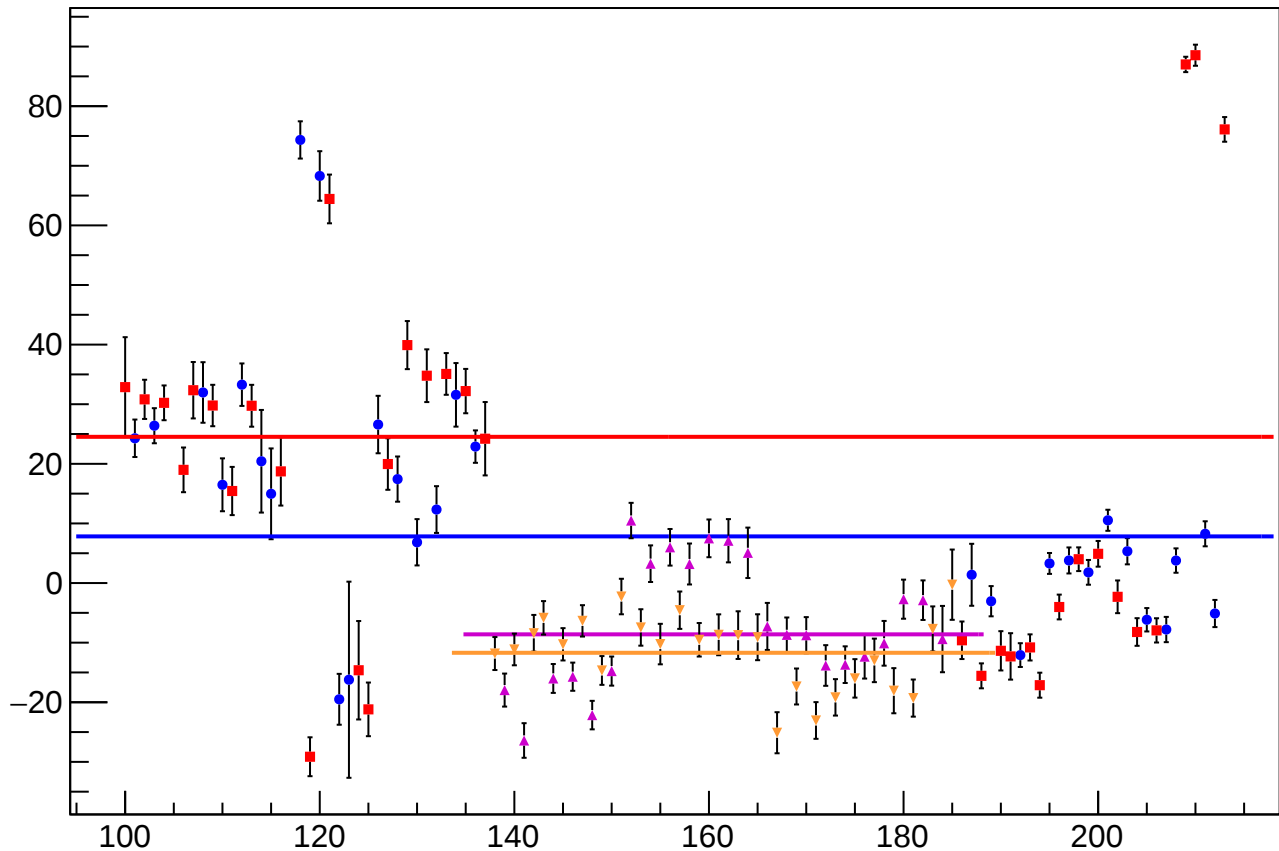
Right: 1794.771 $\pm$ 0.225 χ^2/NDF : 2666351.0/63

In: 1944.319 $\pm$ 0.245 χ^2/NDF : 2873347.2/52

Out: 1923.235 $\pm$ 0.234 χ^2/NDF : 3403827.1/58

All: 1933.291 $\pm$ 0.169 χ^2/NDF : 6281054.9/11

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 7.826 ± 0.505 $\chi^2/\text{NDF}: 1211.8/29$

Left Out: -11.700 ± 0.625 $\chi^2/\text{NDF}: 85.0/24$

Right Out: 24.530 ± 0.472 $\chi^2/\text{NDF}: 7105.2/33$

Left In: -8.606 ± 0.642 $\chi^2/\text{NDF}: 264.2/22$

Left: -10.193 ± 0.448 $\chi^2/\text{NDF}: 361.1/47$

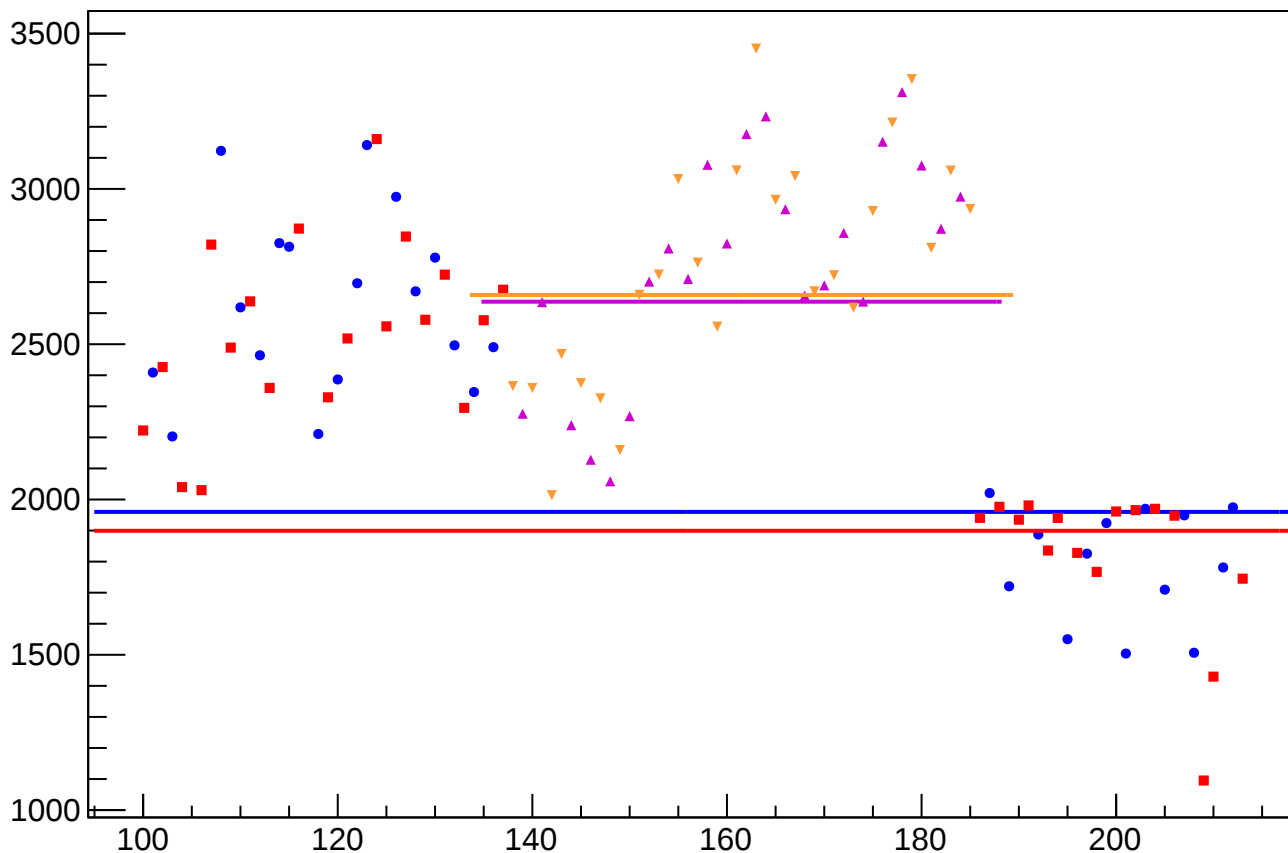
Right: 16.743 ± 0.344 $\chi^2/\text{NDF}: 8902.1/63$

In: 1.551 ± 0.397 $\chi^2/\text{NDF}: 1881.1/52$

Out: 11.401 ± 0.377 $\chi^2/\text{NDF}: 9329.7/58$

All: 6.733 ± 0.273 $\chi^2/\text{NDF}: 11535.2/111$

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 1960.081 $\pm$ 0.357 χ^2 /NDF: 1181136.5/29

Left Out: 2658.486 $\pm$ 0.442 χ^2 /NDF: 618133.8/24

Right Out: 1899.269 $\pm$ 0.333 χ^2 /NDF: 1823863.4/33

Left In: 2636.885 $\pm$ 0.454 χ^2 /NDF: 652894.5/22

Left: 2647.967 $\pm$ 0.317 χ^2 /NDF: 1272190.1/47

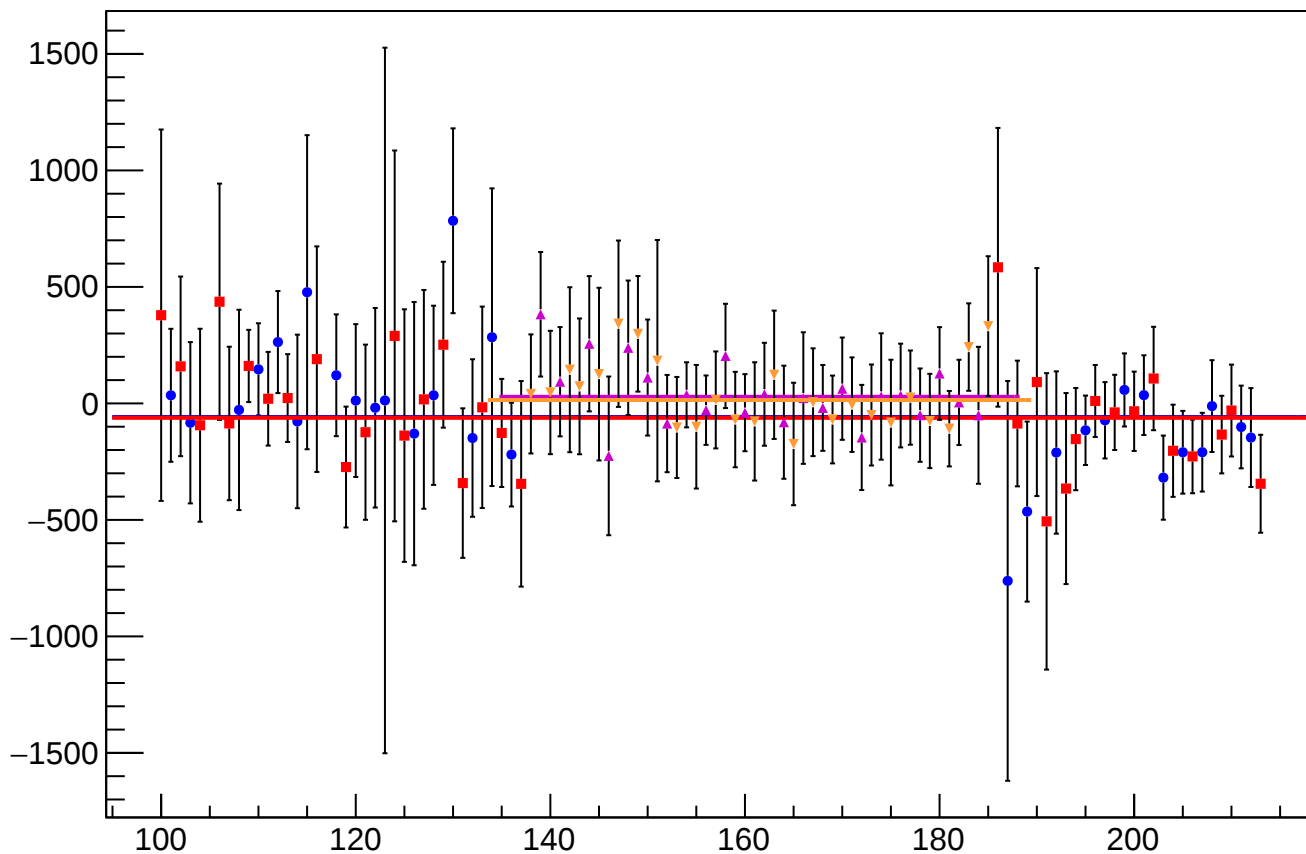
Right: 1927.618 $\pm$ 0.244 χ^2 /NDF: 3020509.3/63

In: 2218.535 $\pm$ 0.280 χ^2 /NDF: 3208266.1/52

Out: 2174.392 $\pm$ 0.266 χ^2 /NDF: 4321096.7/58

All: 2195.312 $\pm$ 0.193 χ^2 /NDF: 7542392.3/111

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -58.607 ± 44.289 $\chi^2/\text{NDF}: 16.8/29$

Left Out: 14.520 ± 47.528 $\chi^2/\text{NDF}: 7.8/24$

Right Out: -61.770 ± 43.071 $\chi^2/\text{NDF}: 14.2/33$

Left In: 28.310 ± 44.638 $\chi^2/\text{NDF}: 6.3/22$

Left: 21.847 ± 32.538 $\chi^2/\text{NDF}: 14.1/47$

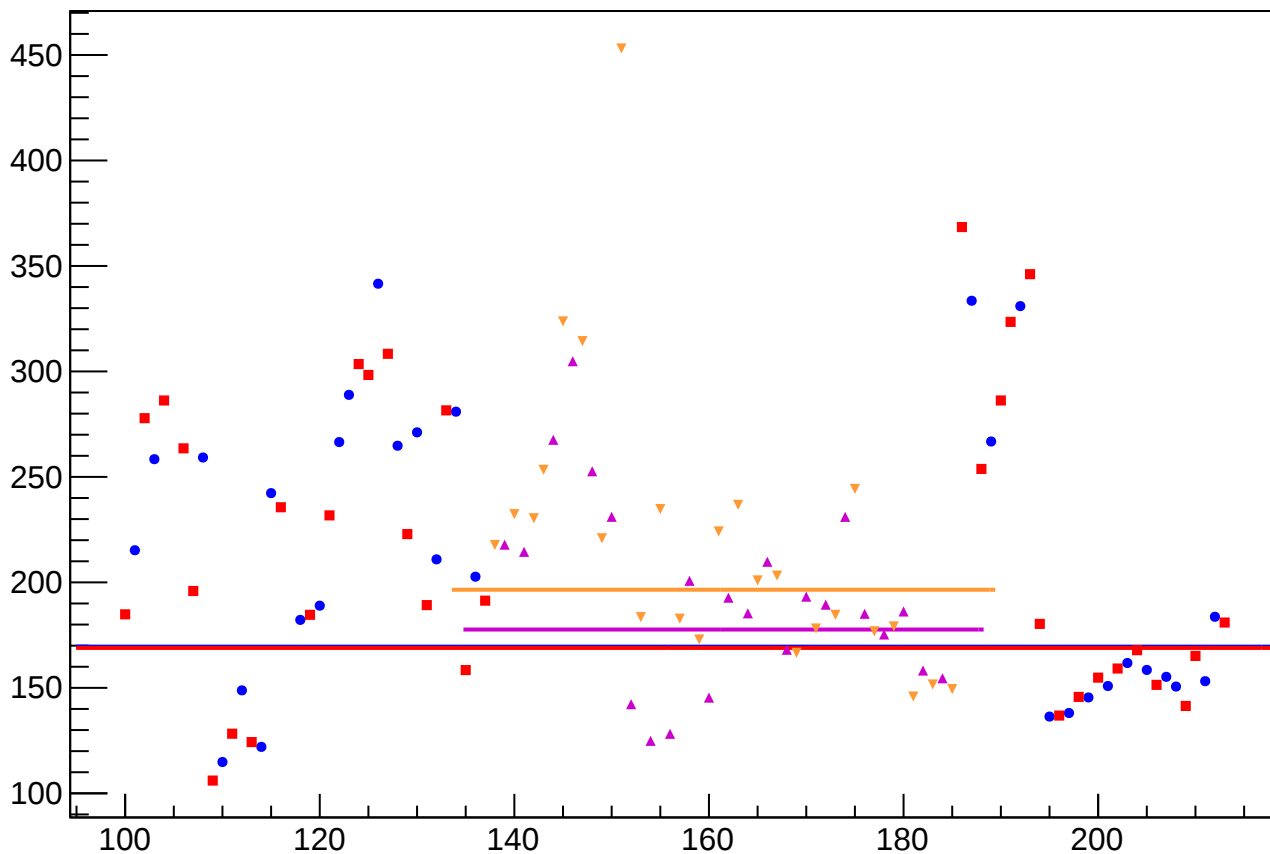
Right: -60.232 ± 30.878 $\chi^2/\text{NDF}: 31.1/63$

In: -15.490 ± 31.440 $\chi^2/\text{NDF}: 25.0/52$

Out: -27.369 ± 31.916 $\chi^2/\text{NDF}: 23.4/58$

All: -21.340 ± 22.398 $\chi^2/\text{NDF}: 48.5/111$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 169.533 $\pm$ 0.031 χ^2 /NDF: 2141052.7/29

Left Out: 196.514 $\pm$ 0.034 χ^2 /NDF:1789504.4/24

Right Out: 168.930 $\pm$ 0.030 χ^2 /NDF: 2838483.8/33

Left In: 177.643 $\pm$ 0.032 χ^2 /NDF:1630664.5/22

Left: 186.488 $\pm$ 0.023 χ^2 /NDF: 3587689.7/47

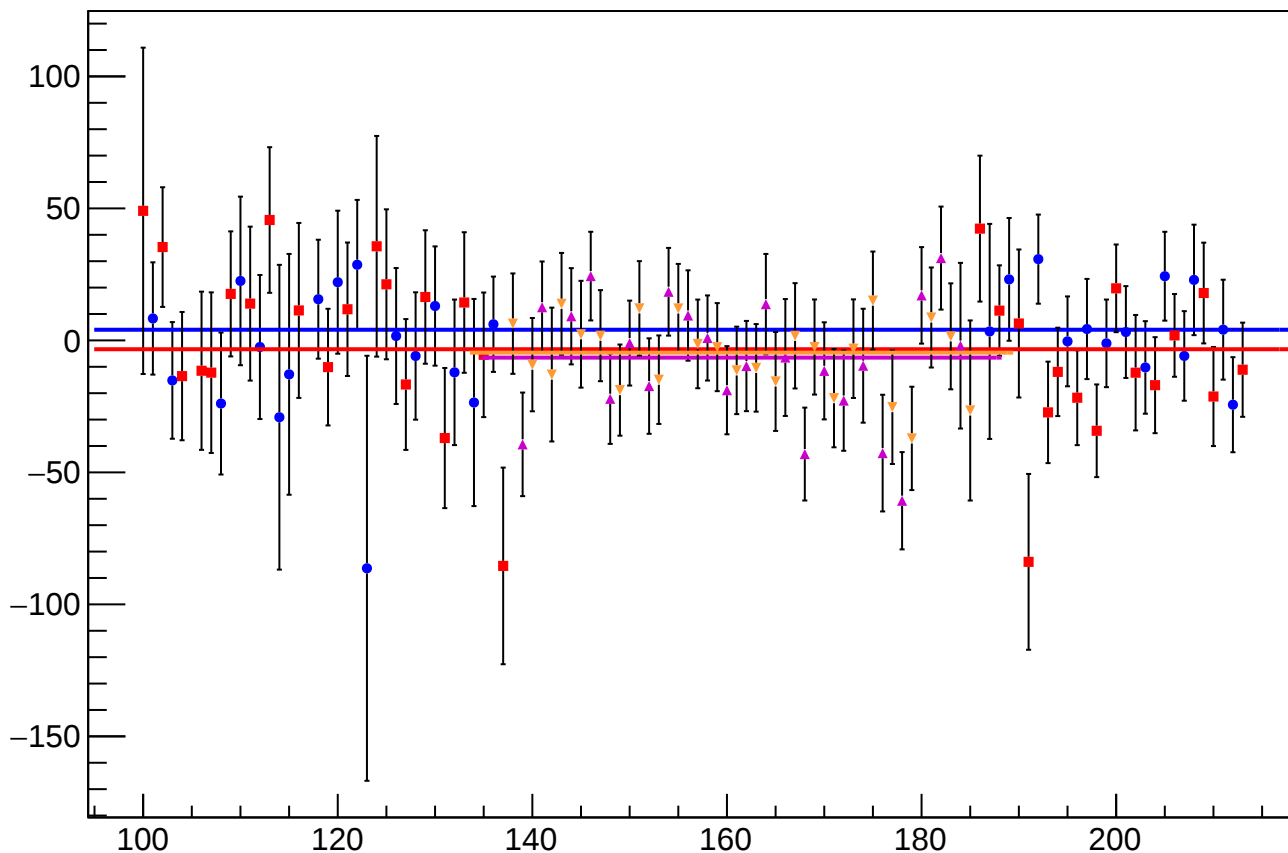
Right: 169.223 $\pm$ 0.022 χ^2 /NDF: 4979726.9/63

In: 173.556 $\pm$ 0.022 χ^2 /NDF:3804985.4/52

Out: 181.368 $\pm$ 0.023 χ^2 /NDF:4997872.7/58

All: 177.404 $\pm$ 0.016 χ^2 /NDF: 8863672.5/111

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.037 ± 4.027 $\chi^2/\text{NDF}: 16.0/29$

Left Out: -4.646 ± 3.728 $\chi^2/\text{NDF}: 12.1/24$

Right Out: -3.351 ± 3.884 $\chi^2/\text{NDF}: 38.8/33$

Left In: -6.526 ± 3.828 $\chi^2/\text{NDF}: 36.4/22$

Left: -5.561 ± 2.670 $\chi^2/\text{NDF}: 48.6/47$

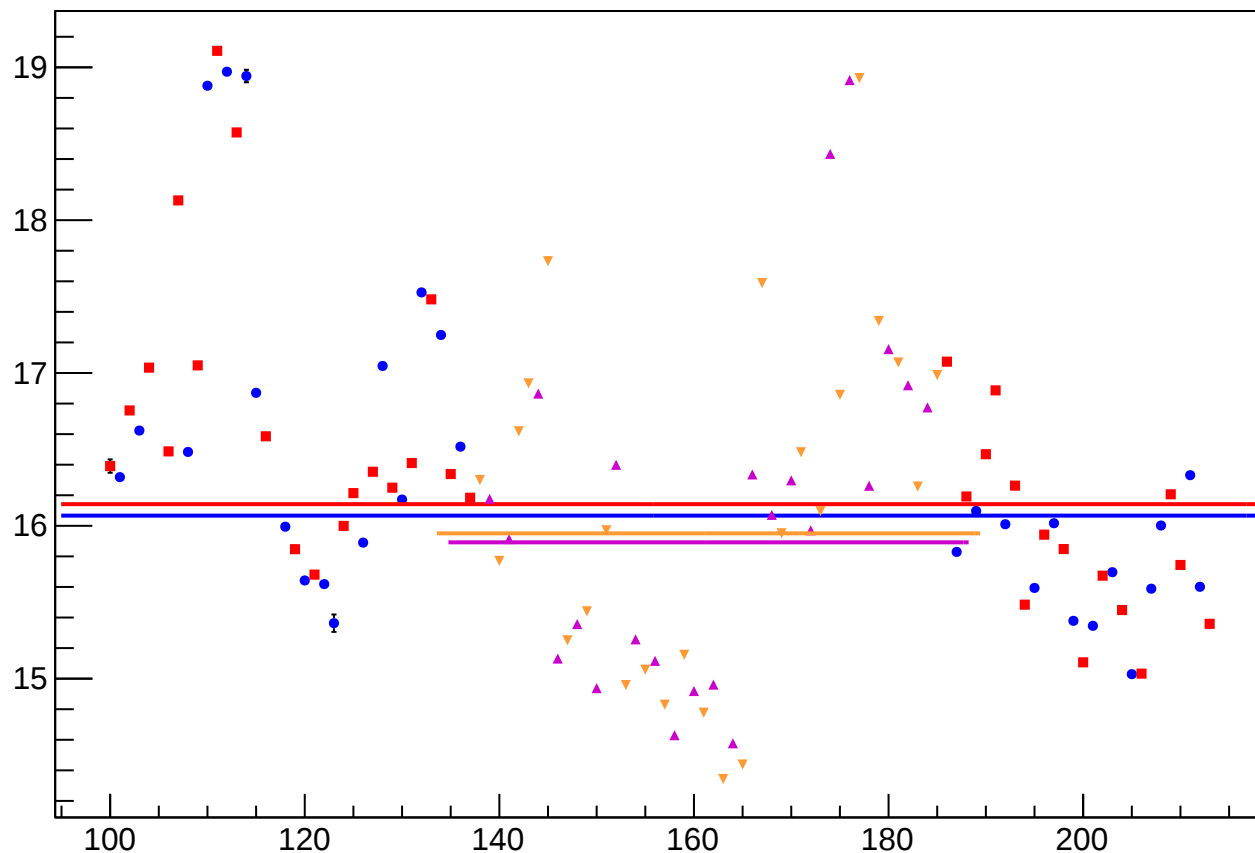
Right: 0.210 ± 2.796 $\chi^2/\text{NDF}: 56.6/63$

In: -1.513 ± 2.774 $\chi^2/\text{NDF}: 56.0/52$

Out: -4.025 ± 2.690 $\chi^2/\text{NDF}: 50.9/58$

All: -2.808 ± 1.931 $\chi^2/\text{NDF}: 107.4/111$

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.067 $\pm$ 0.003 χ^2 /NDF: 79612.8/29

Left Out: 15.951 $\pm$ 0.003 χ^2 /NDF:173458.5/24

Right Out: 16.142 $\pm$ 0.003 χ^2 /NDF: 93124.8/33

Left In: 15.892 $\pm$ 0.003 χ^2 /NDF:147093.3/22

Left: 15.922 $\pm$ 0.002 χ^2 /NDF: 320794.5/47

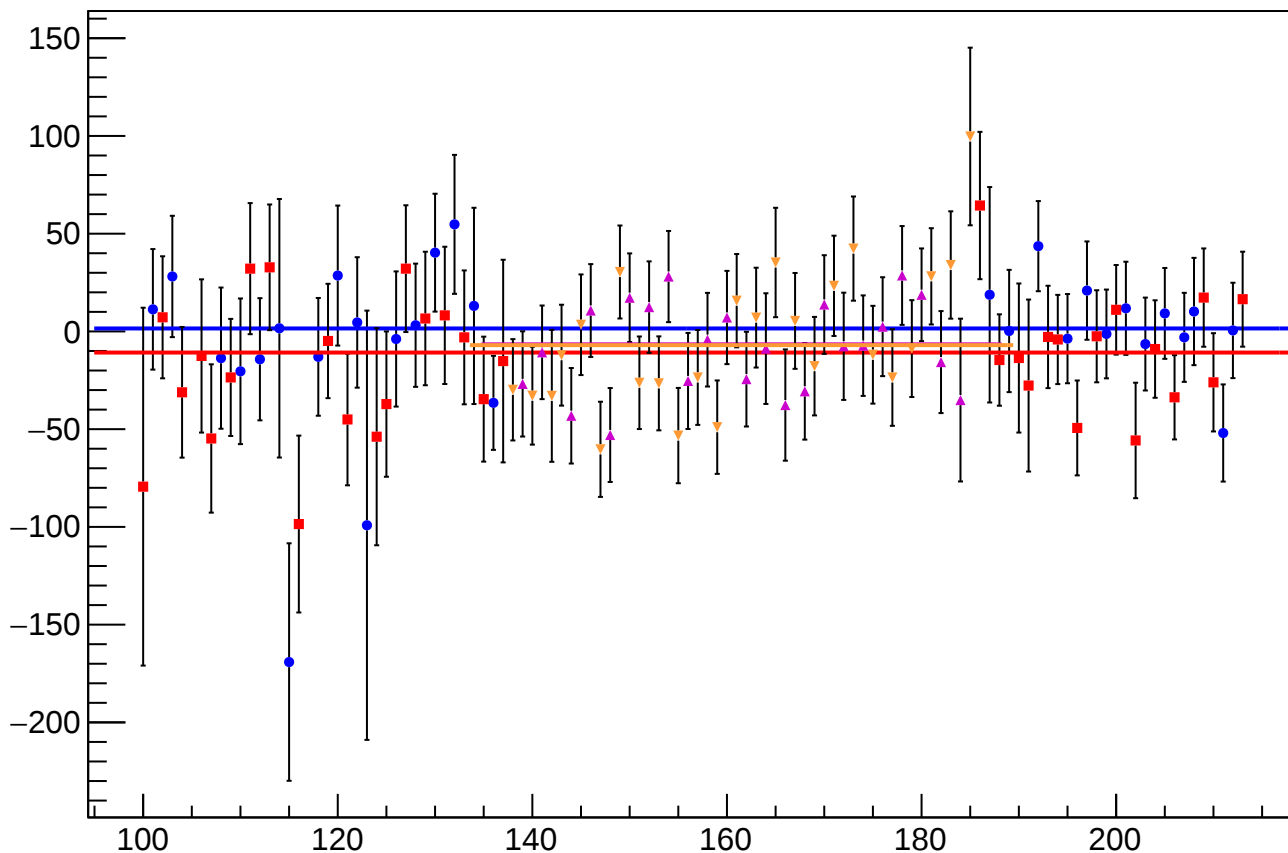
Right: 16.106 $\pm$ 0.002 χ^2 /NDF: 173097.3/63

In: 15.975 $\pm$ 0.002 χ^2 /NDF:228687.0/52

Out: 16.042 $\pm$ 0.002 χ^2 /NDF:269101.8/58

All: 16.010 $\pm$ 0.001 χ^2 /NDF: 498398.5/111

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.518 ± 5.389 $\chi^2/\text{NDF}: 26.9/29$

Left Out: -7.017 ± 5.121 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -10.806 ± 5.194 $\chi^2/\text{NDF}: 29.4/33$

Left In: -6.611 ± 5.251 $\chi^2/\text{NDF}: 19.1/22$

Left: -6.820 ± 3.666 $\chi^2/\text{NDF}: 56.6/47$

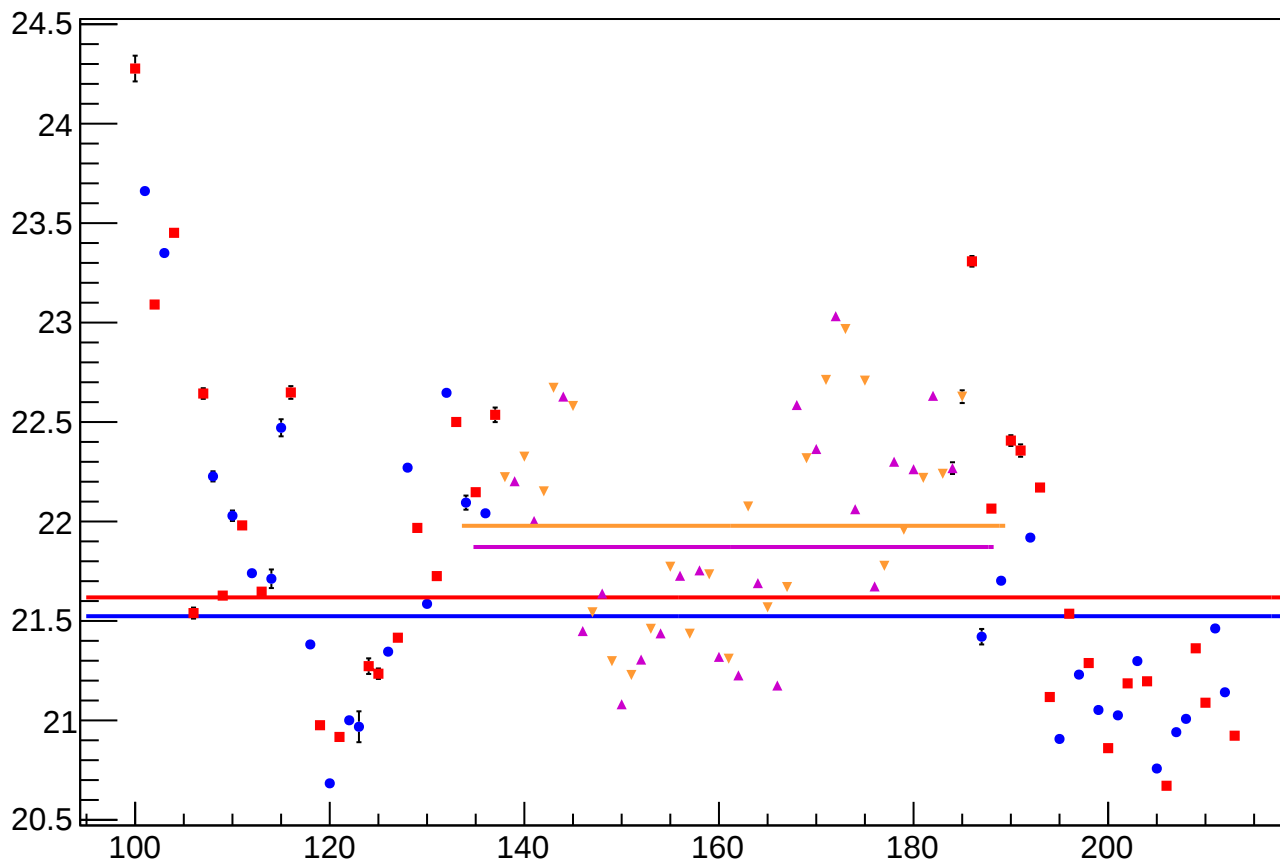
Right: -4.870 ± 3.740 $\chi^2/\text{NDF}: 59.0/63$

In: -2.652 ± 3.761 $\chi^2/\text{NDF}: 47.2/52$

Out: -8.885 ± 3.647 $\chi^2/\text{NDF}: 67.1/58$

All: -5.864 ± 2.618 $\chi^2/\text{NDF}: 115.7/111$

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.524 $\pm$ 0.004 χ^2 /NDF: 33315.8/29

Left Out: 21.978 $\pm$ 0.004 χ^2 /NDF:19430.2/24

Right Out: 21.618 $\pm$ 0.004 χ^2 /NDF: 38047.0/33

Left In: 21.872 $\pm$ 0.004 χ^2 /NDF:20524.9/22

Left: 21.926 $\pm$ 0.003 χ^2 /NDF: 40377.5/47

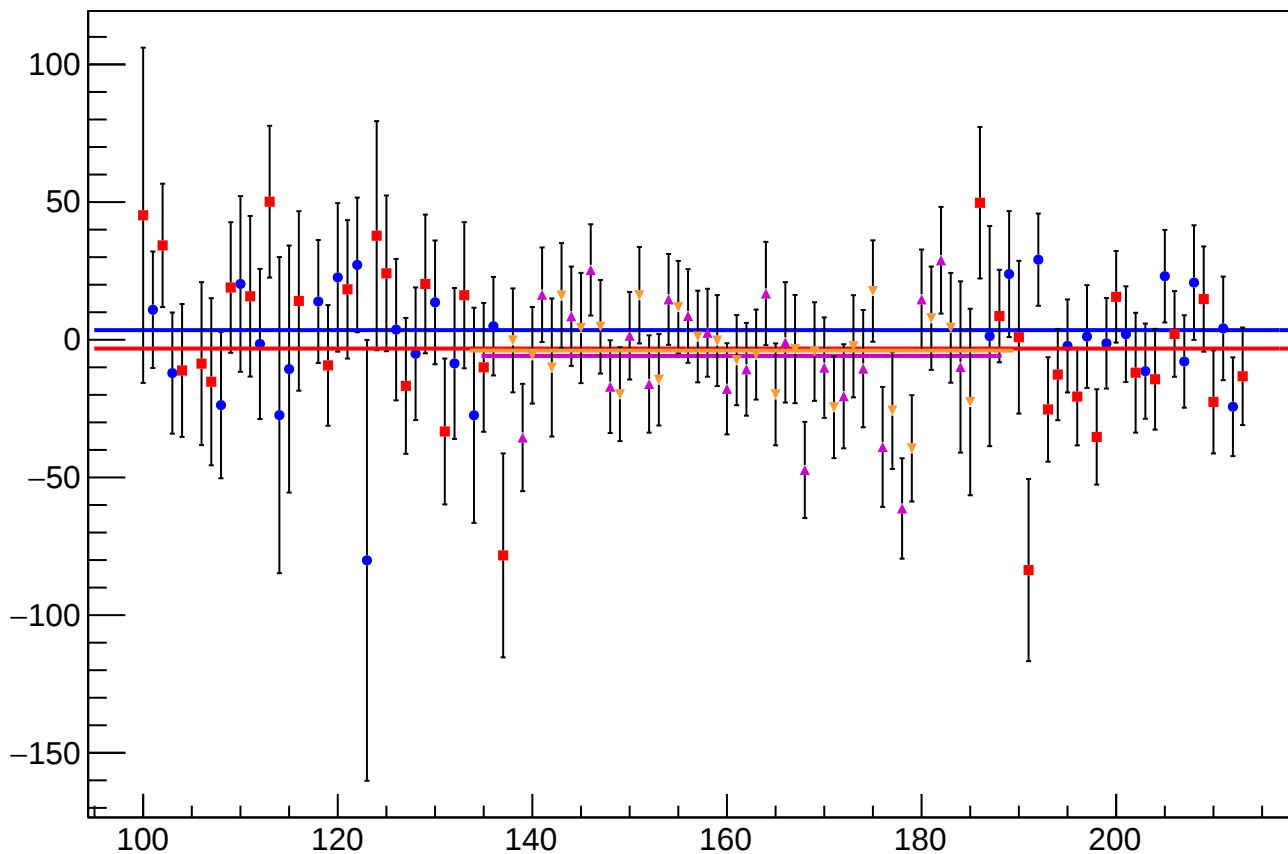
Right: 21.573 $\pm$ 0.003 χ^2 /NDF: 71681.9/63

In: 21.702 $\pm$ 0.003 χ^2 /NDF:58116.8/52

Out: 21.801 $\pm$ 0.003 χ^2 /NDF:62347.9/58

All: 21.753 $\pm$ 0.002 χ^2 /NDF: 121173.6/111

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.505 ± 3.999 $\chi^2/\text{NDF}: 15.3/29$

Left Out: -3.927 ± 3.688 $\chi^2/\text{NDF}: 14.0/24$

Right Out: -3.196 ± 3.858 $\chi^2/\text{NDF}: 39.4/33$

Left In: -5.861 ± 3.787 $\chi^2/\text{NDF}: 36.2/22$

Left: -4.869 ± 2.642 $\chi^2/\text{NDF}: 50.3/47$

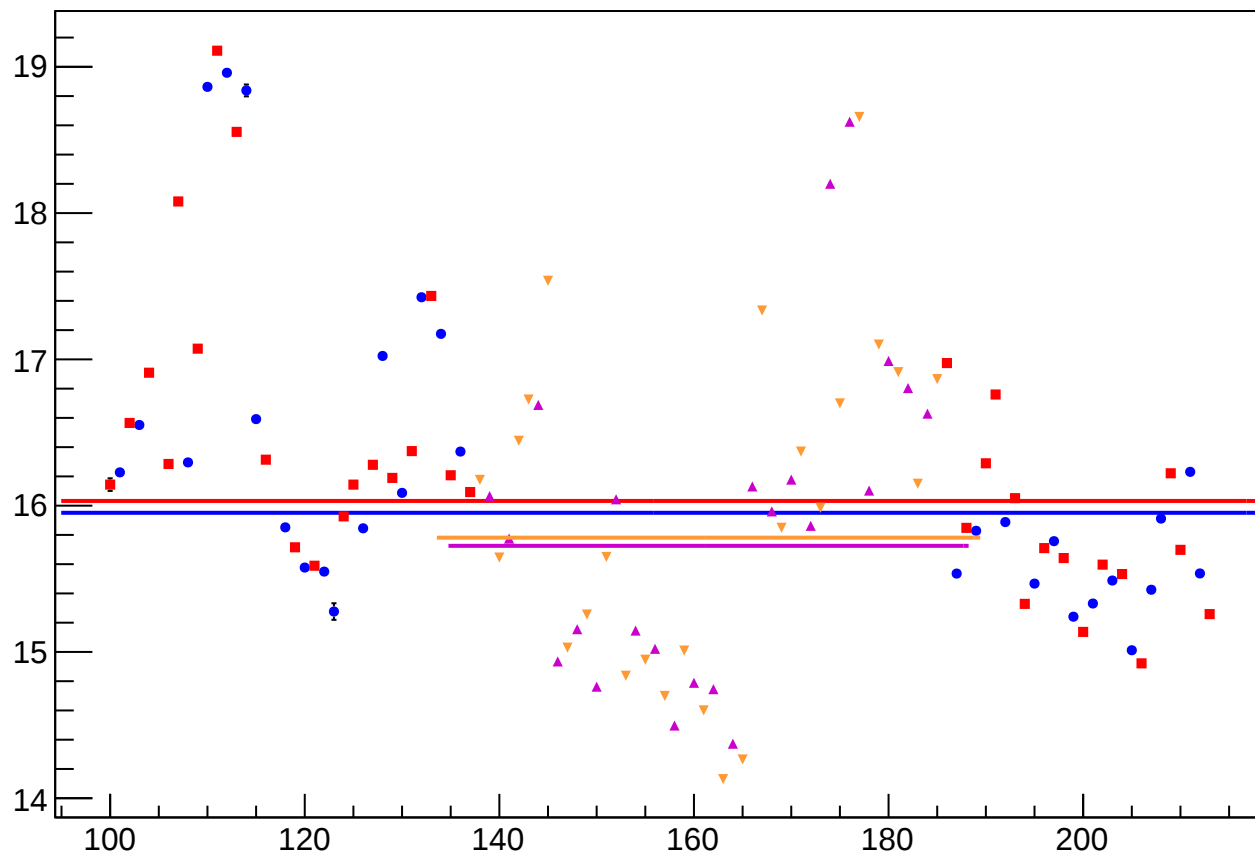
Right: 0.035 ± 2.777 $\chi^2/\text{NDF}: 56.1/63$

In: -1.433 ± 2.750 $\chi^2/\text{NDF}: 54.4/52$

Out: -3.578 ± 2.666 $\chi^2/\text{NDF}: 53.4/58$

All: -2.539 ± 1.914 $\chi^2/\text{NDF}: 108.1/111$

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 15.951 $\pm$ 0.003 χ^2 /NDF: 82262.5/29

Left Out: 15.781 $\pm$ 0.003 χ^2 /NDF: 172894.3/24

Right Out: 16.032 $\pm$ 0.003 χ^2 /NDF: 95405.6/33

Left In: 15.725 $\pm$ 0.003 χ^2 /NDF: 145830.9/22

Left: 15.754 $\pm$ 0.002 χ^2 /NDF: 318948.8/47

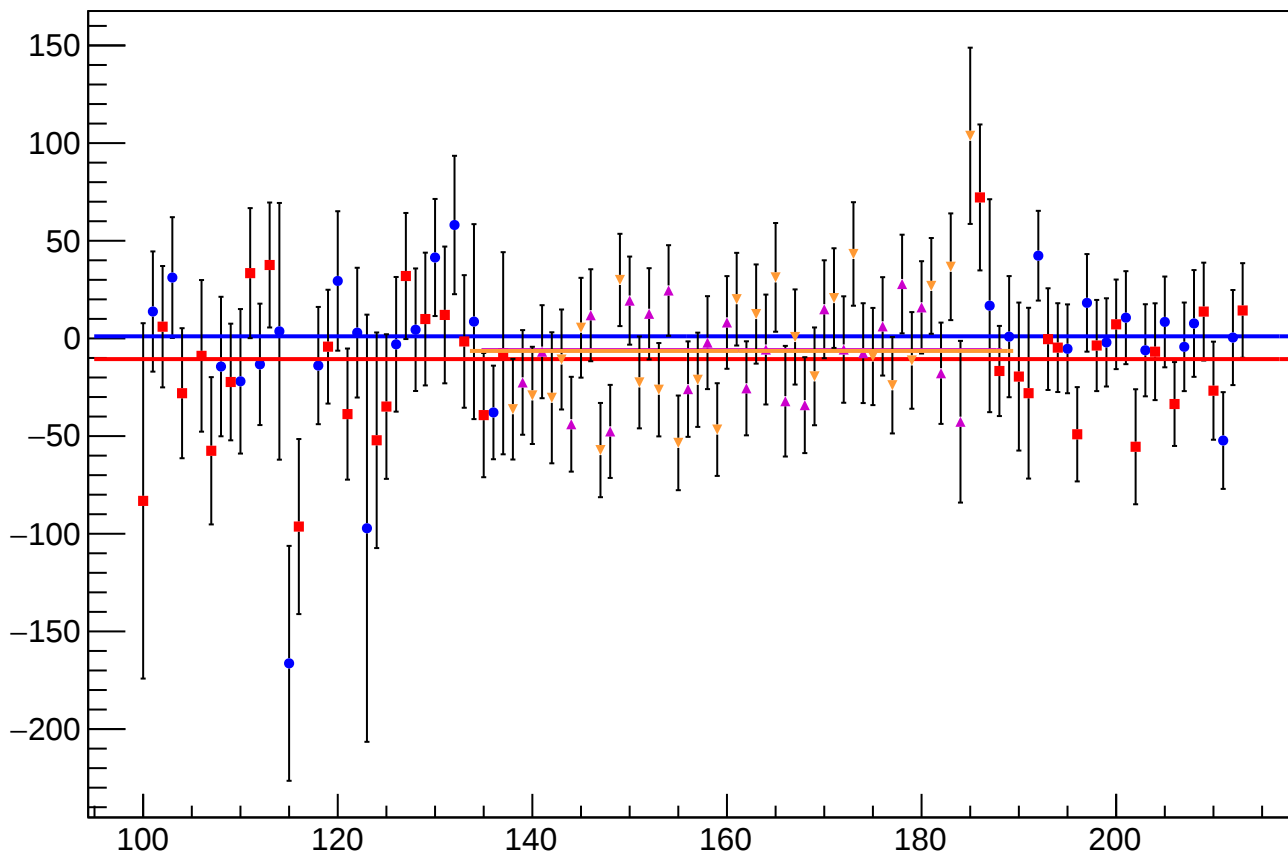
Right: 15.993 $\pm$ 0.002 χ^2 /NDF: 178093.4/63

In: 15.832 $\pm$ 0.002 χ^2 /NDF: 231456.7/52

Out: 15.901 $\pm$ 0.002 χ^2 /NDF: 272722.2/58

All: 15.868 $\pm$ 0.001 χ^2 /NDF: 504826.9/111

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.085 ± 5.365 $\chi^2/\text{NDF}: 27.4/29$

Left Out: -6.404 ± 5.091 $\chi^2/\text{NDF}: 37.4/24$

Right Out: -10.580 ± 5.169 $\chi^2/\text{NDF}: 30.3/33$

Left In: -5.978 ± 5.222 $\chi^2/\text{NDF}: 18.5/22$

Left: -6.196 ± 3.646 $\chi^2/\text{NDF}: 55.9/47$

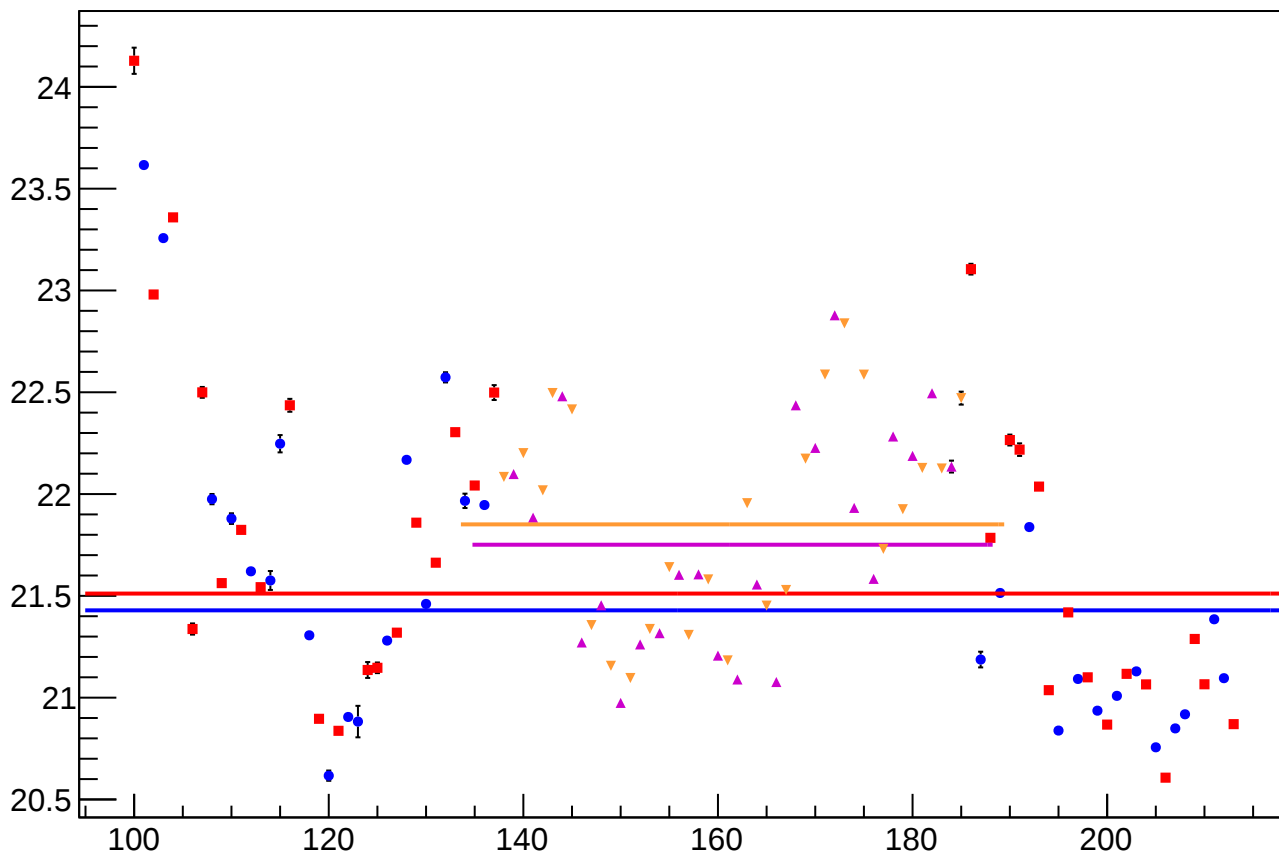
Right: -4.965 ± 3.722 $\chi^2/\text{NDF}: 60.2/63$

In: -2.542 ± 3.742 $\chi^2/\text{NDF}: 46.9/52$

Out: -8.461 ± 3.627 $\chi^2/\text{NDF}: 68.0/58$

All: -5.594 ± 2.605 $\chi^2/\text{NDF}: 116.2/111$

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.429 $\pm$ 0.004 χ^2 /NDF: 32700.4/29

Left Out: 21.851 $\pm$ 0.004 χ^2 /NDF:19631.8/24

Right Out: 21.511 $\pm$ 0.004 χ^2 /NDF: 35308.4/33

Left In: 21.751 $\pm$ 0.004 χ^2 /NDF:20516.3/22

Left: 21.802 $\pm$ 0.003 χ^2 /NDF: 40523.6/47

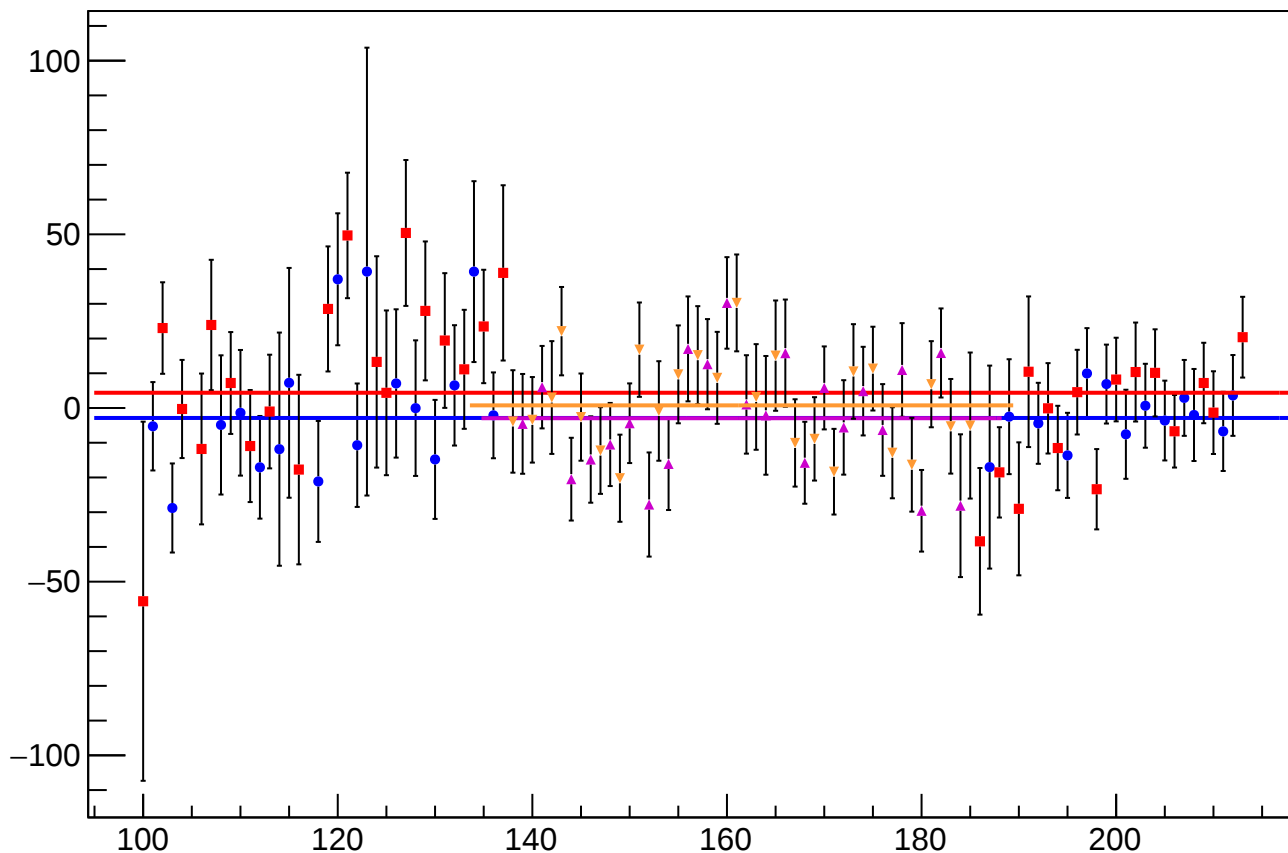
Right: 21.472 $\pm$ 0.003 χ^2 /NDF: 68253.6/63

In: 21.594 $\pm$ 0.003 χ^2 /NDF:56923.9/52

Out: 21.684 $\pm$ 0.003 χ^2 /NDF:59329.3/58

All: 21.640 $\pm$ 0.002 χ^2 /NDF: 116841.6/111

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.869 ± 2.718 χ^2/NDF : 18.7/29

Left Out: 0.759 ± 2.698 χ^2/NDF : 23.8/24

Right Out: 4.391 ± 2.635 χ^2/NDF : 46.9/33

Left In: -2.944 ± 2.757 χ^2/NDF : 30.9/22

Left: -1.053 ± 1.929 χ^2/NDF : 55.7/47

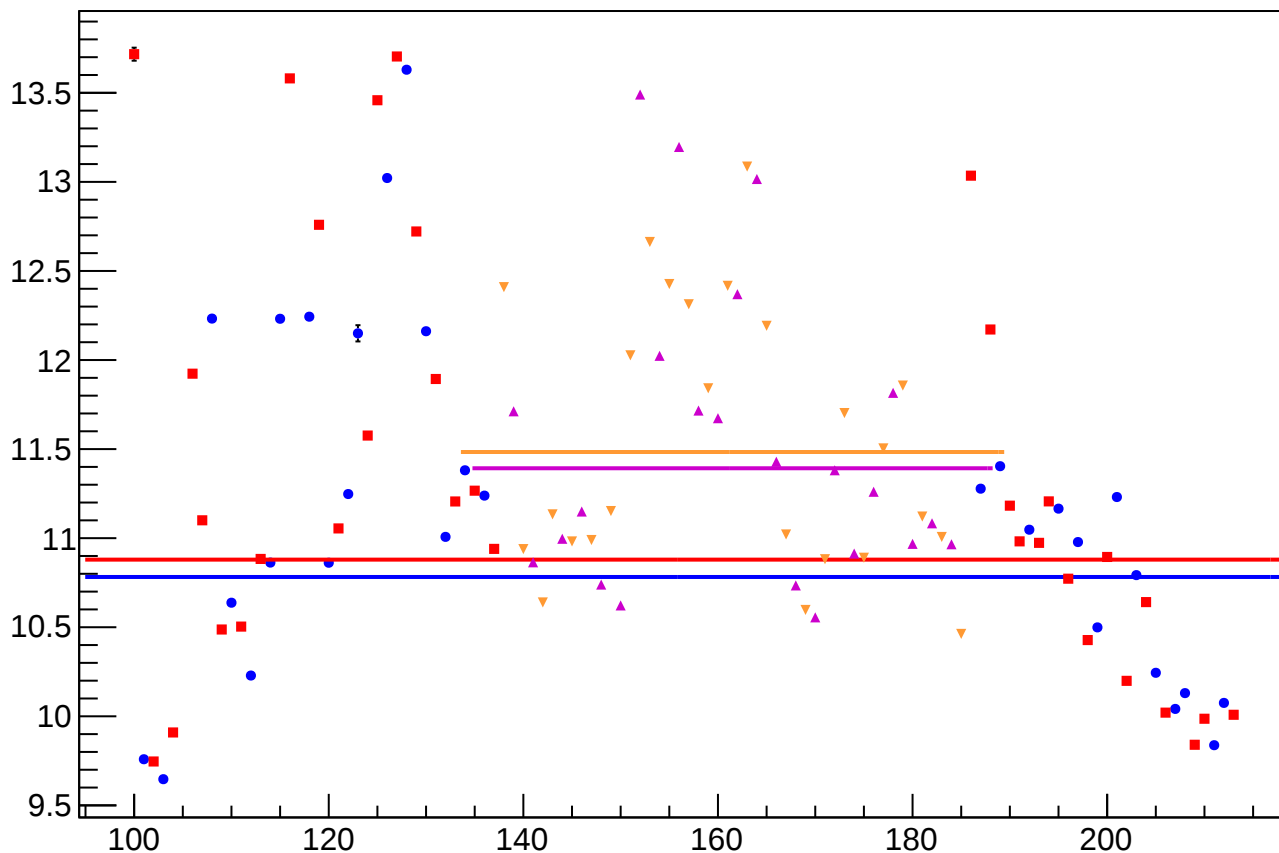
Right: 0.873 ± 1.892 χ^2/NDF : 69.2/63

In: -2.906 ± 1.936 χ^2/NDF : 49.6/52

Out: 2.618 ± 1.885 χ^2/NDF : 71.6/58

All: -0.071 ± 1.351 χ^2/NDF : 125.4/111

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.782 $\pm$ 0.002 χ^2 /NDF: 193997.9/29

Left Out: 11.484 $\pm$ 0.002 χ^2 /NDF:129805.4/24

Right Out: 10.880 $\pm$ 0.002 χ^2 /NDF: 267701.1/33

Left In: 11.392 $\pm$ 0.002 χ^2 /NDF:150493.3/22

Left: 11.439 $\pm$ 0.001 χ^2 /NDF: 281419.2/47

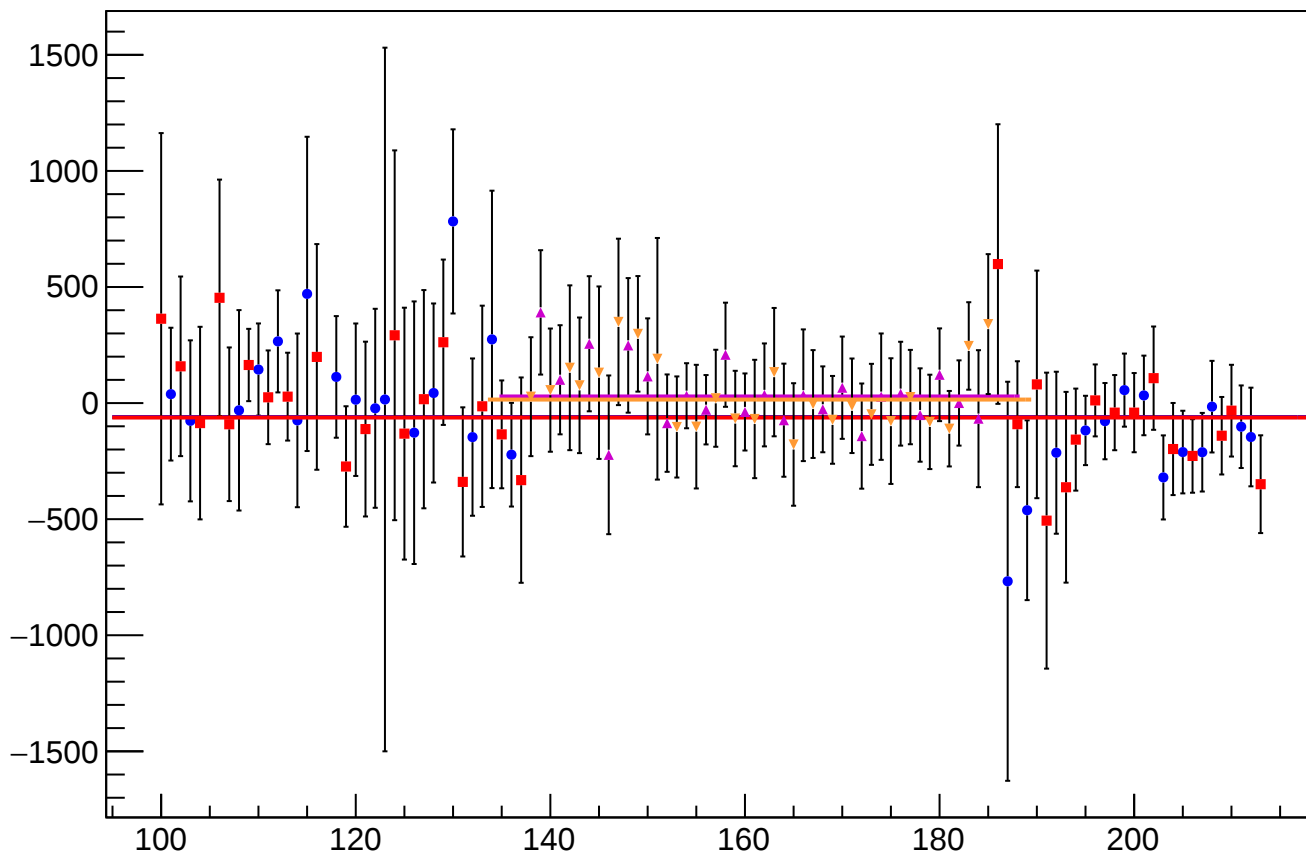
Right: 10.832 $\pm$ 0.001 χ^2 /NDF: 463023.0/63

In: 11.083 $\pm$ 0.001 χ^2 /NDF:394177.5/52

Out: 11.174 $\pm$ 0.001 χ^2 /NDF:448822.3/58

All: 11.130 $\pm$ 0.001 χ^2 /NDF: 845301.5/111

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -60.184 ± 44.396 $\chi^2/\text{NDF}: 16.8/29$

Left Out: 15.130 ± 47.705 $\chi^2/\text{NDF}: 8.0/24$

Right Out: -62.126 ± 43.184 $\chi^2/\text{NDF}: 14.4/33$

Left In: 28.500 ± 44.797 $\chi^2/\text{NDF}: 6.4/22$

Left: 22.235 ± 32.656 $\chi^2/\text{NDF}: 14.4/47$

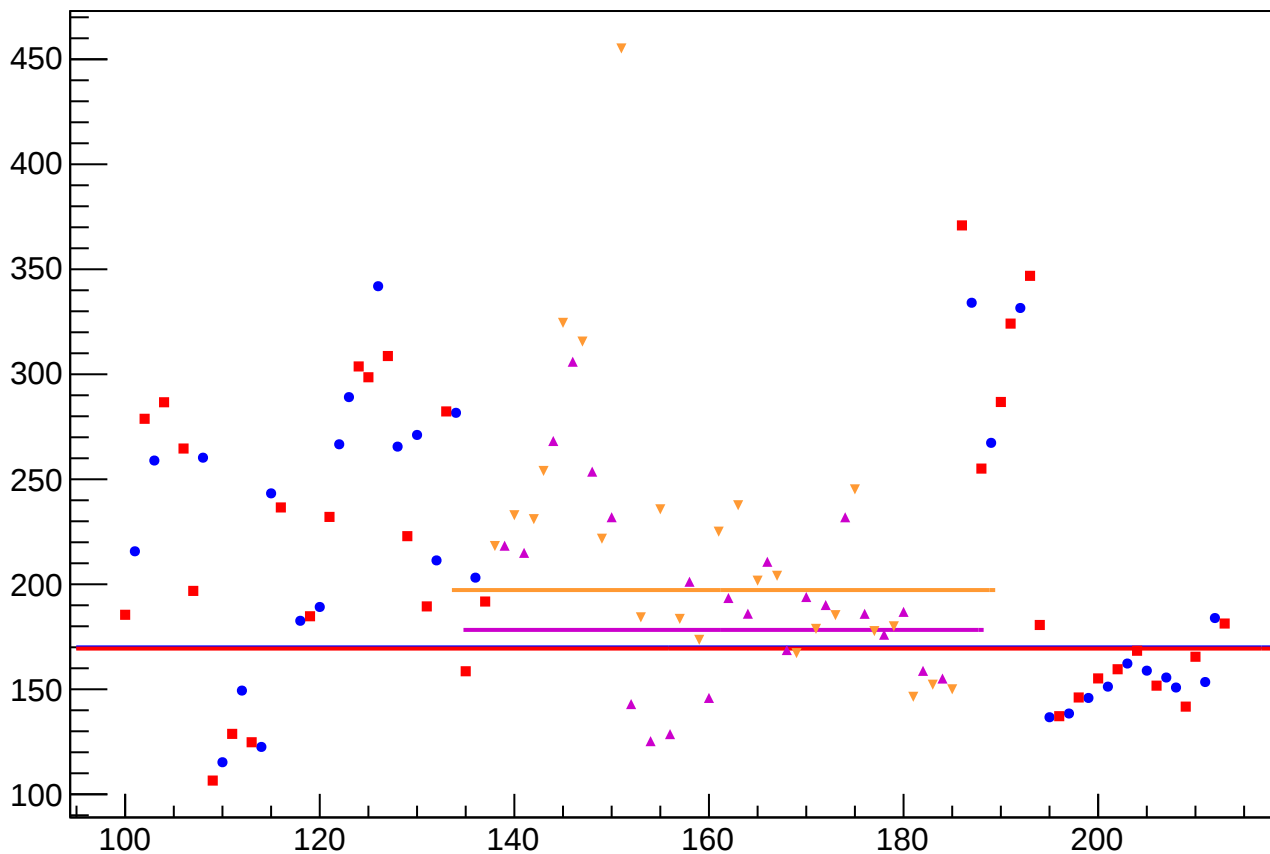
Right: -61.182 ± 30.955 $\chi^2/\text{NDF}: 31.2/63$

In: -16.240 ± 31.534 $\chi^2/\text{NDF}: 25.1/52$

Out: -27.331 ± 32.015 $\chi^2/\text{NDF}: 23.9/58$

All: -21.702 ± 22.466 $\chi^2/\text{NDF}: 49.1/111$

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 169.957 $\pm$ 0.031 χ^2 /NDF: 2136283.3/29

Left Out: 197.249 $\pm$ 0.034 χ^2 /NDF:1786808.1/24

Right Out: 169.380 $\pm$ 0.031 χ^2 /NDF: 2835072.6/33

Left In: 178.277 $\pm$ 0.032 χ^2 /NDF:1628916.6/22

Left: 187.167 $\pm$ 0.023 χ^2 /NDF: 3583826.5/47

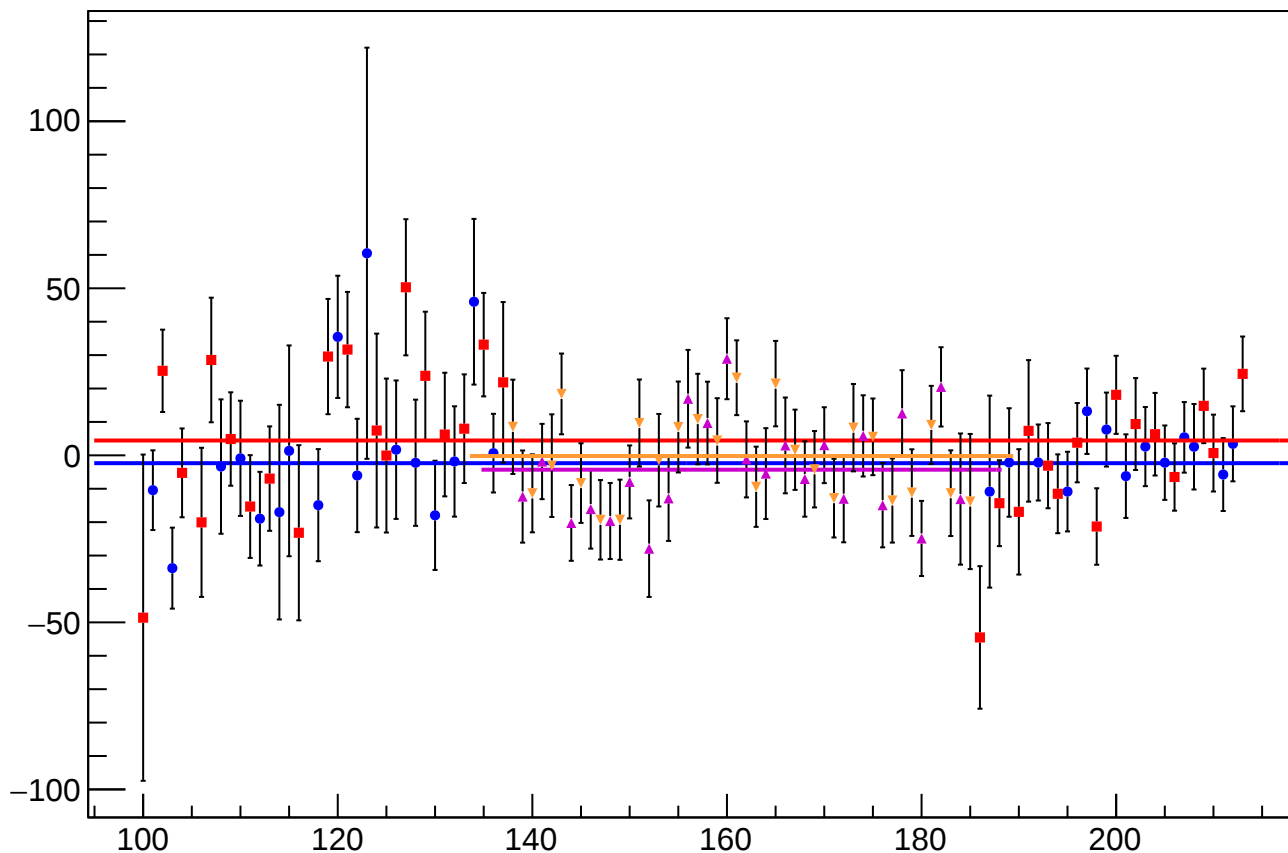
Right: 169.661 $\pm$ 0.022 χ^2 /NDF: 4971529.1/63

In: 174.080 $\pm$ 0.022 χ^2 /NDF:3800005.3/52

Out: 181.932 $\pm$ 0.023 χ^2 /NDF:4997031.0/58

All: 177.946 $\pm$ 0.016 χ^2 /NDF: 8858107.7/111

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.346 ± 2.622 χ^2/NDF : 23.8/29

Left Out: -0.211 ± 2.523 χ^2/NDF : 24.5/24

Right Out: 4.442 ± 2.549 χ^2/NDF : 50.7/33

Left In: -4.298 ± 2.589 χ^2/NDF : 31.6/22

Left: -2.202 ± 1.807 χ^2/NDF : 57.4/47

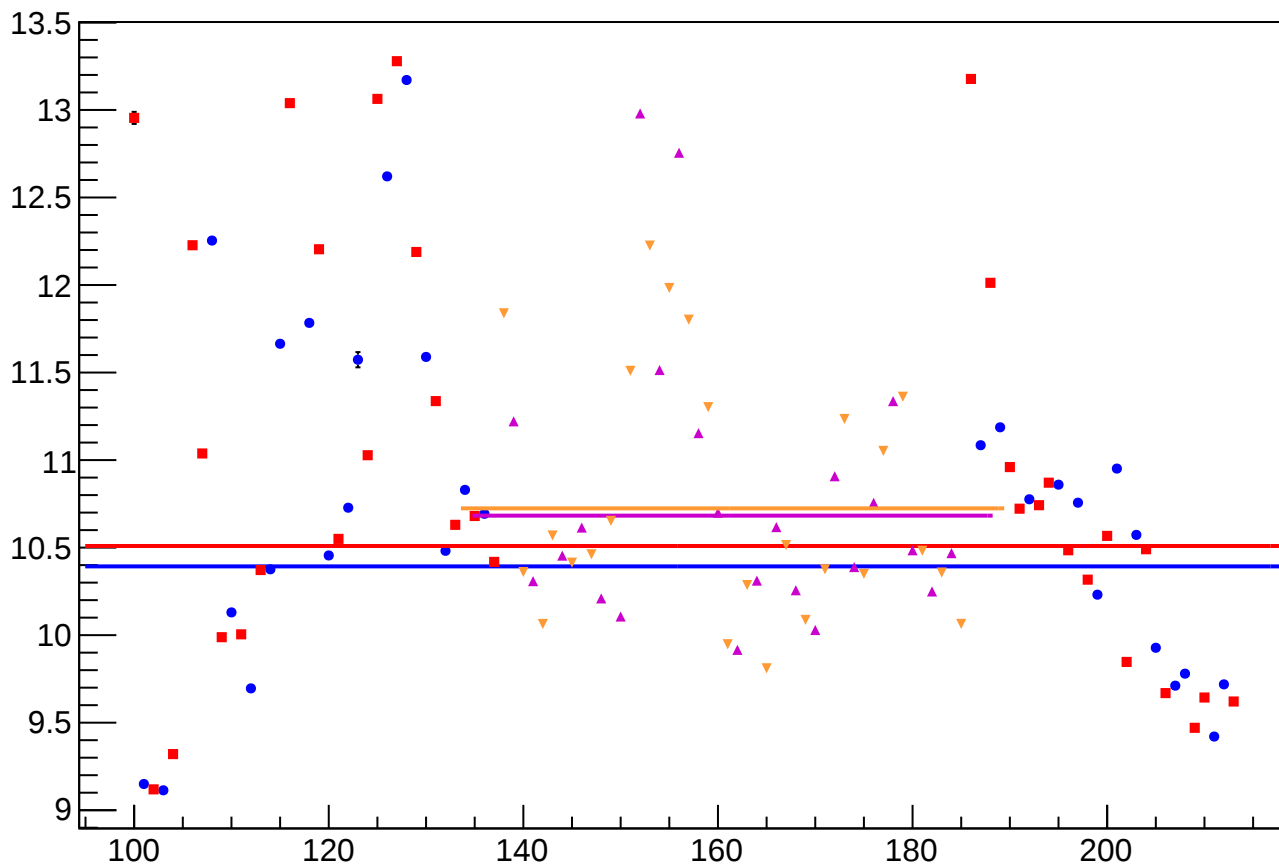
Right: 1.144 ± 1.828 χ^2/NDF : 77.9/63

In: -3.335 ± 1.842 χ^2/NDF : 55.6/52

Out: 2.092 ± 1.793 χ^2/NDF : 76.9/58

All: -0.548 ± 1.285 χ^2/NDF : 137.0/111

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.393+/-0.002 χ^2/NDF : 221375.4/29

Left Out: 10.724+/-0.002 χ^2/NDF :132558.9/24

Right Out: 10.509+/-0.002 χ^2/NDF : 307789.8/33

Left In: 10.683+/-0.002 χ^2/NDF :147835.6/22

Left: 10.704+/-0.001 χ^2/NDF : 280658.8/47

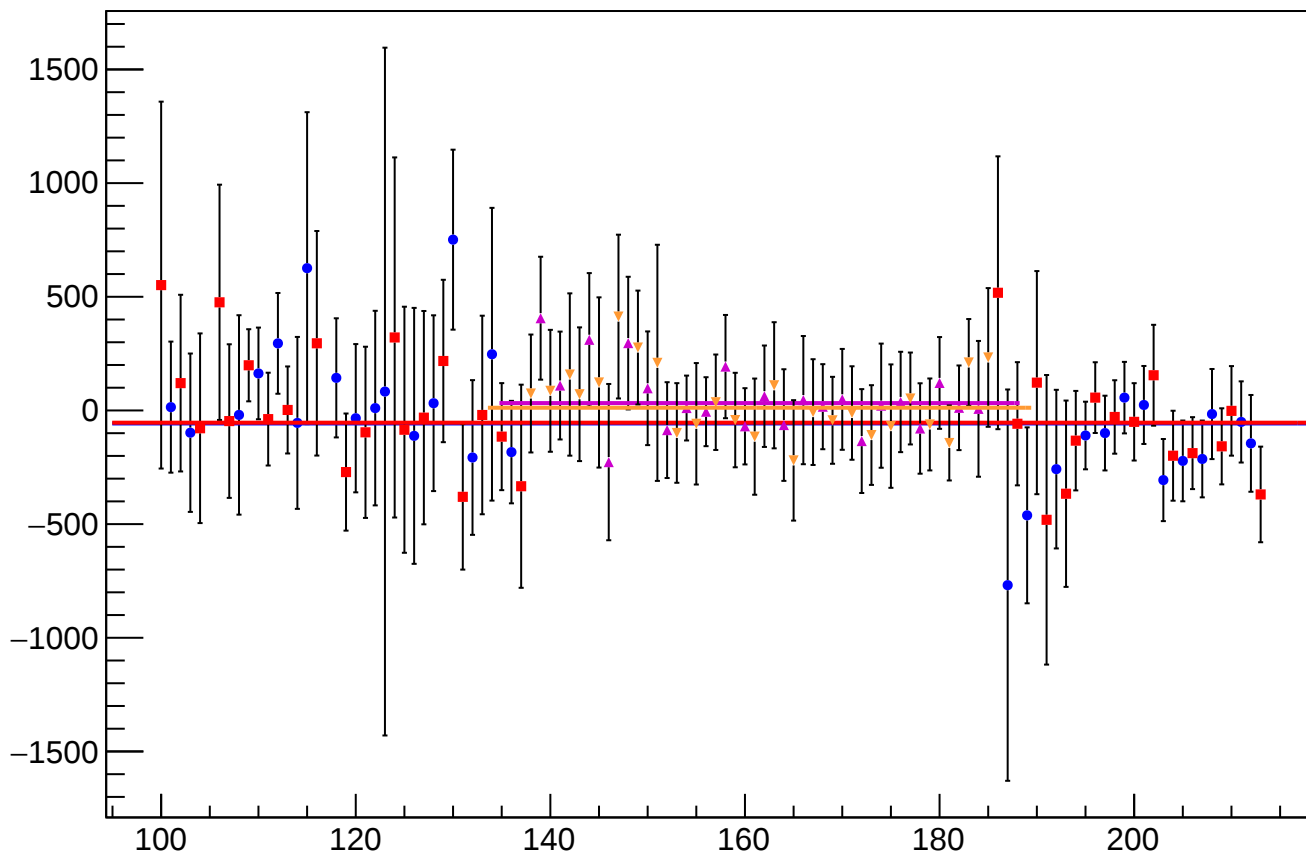
Right: 10.453+/-0.001 χ^2/NDF : 531195.8/63

In: 10.540+/-0.001 χ^2/NDF :381584.2/52

Out: 10.618+/-0.001 χ^2/NDF :447528.2/58

All: 10.580+/-0.001 χ^2/NDF : 830965.6/111

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -57.248 ± 44.477 $\chi^2/\text{NDF}: 17.3/29$

Left Out: 11.891 ± 48.022 $\chi^2/\text{NDF}: 7.6/24$

Right Out: -53.848 ± 43.313 $\chi^2/\text{NDF}: 15.5/33$

Left In: 32.413 ± 45.155 $\chi^2/\text{NDF}: 6.9/22$

Left: 22.783 ± 32.896 $\chi^2/\text{NDF}: 14.6/47$

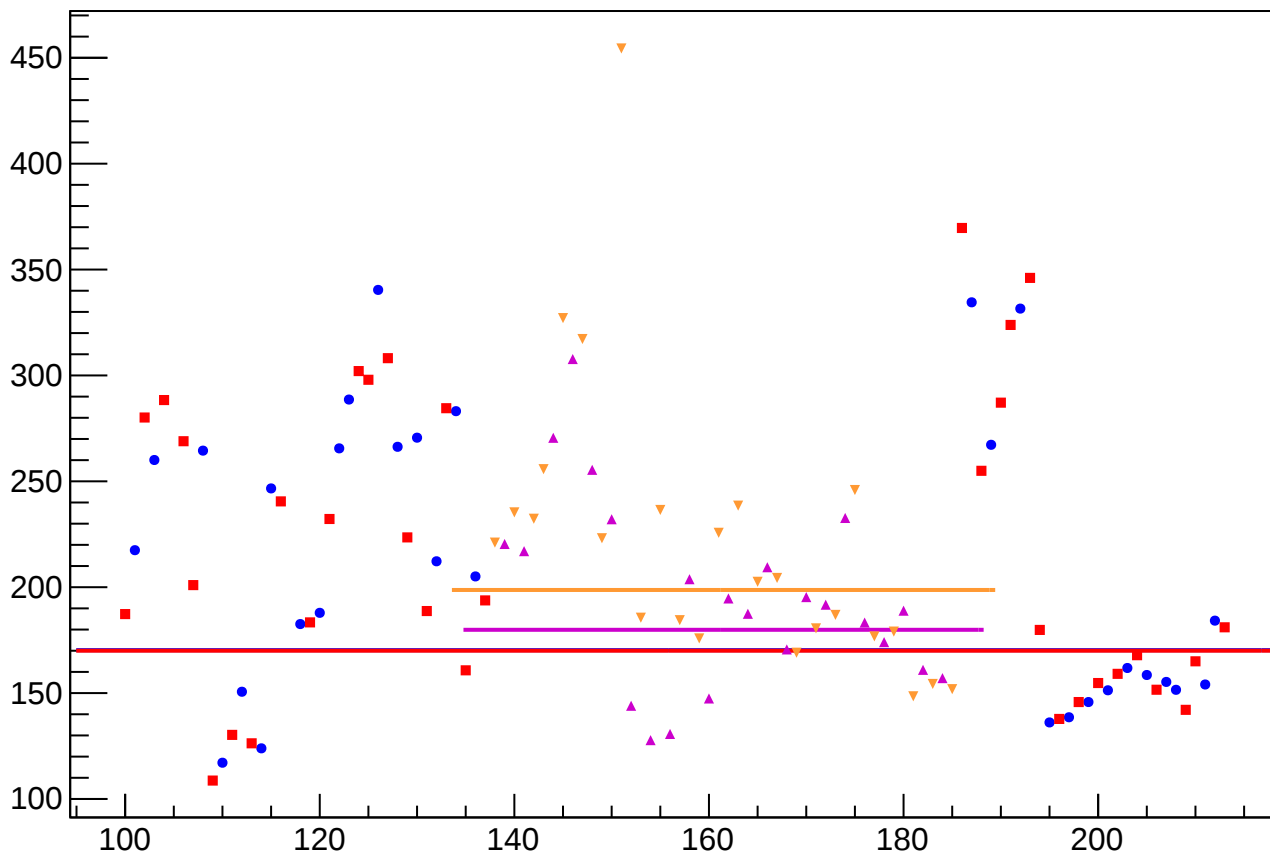
Right: -55.503 ± 31.030 $\chi^2/\text{NDF}: 32.8/63$

In: -13.096 ± 31.687 $\chi^2/\text{NDF}: 26.2/52$

Out: -24.359 ± 32.163 $\chi^2/\text{NDF}: 24.2/58$

All: -18.643 ± 22.572 $\chi^2/\text{NDF}: 50.4/111$

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.269+/-0.031 χ^2/NDF : 2134357.7/29

Left Out: 198.695+/-0.034 χ^2/NDF :1759311.9/24

Right Out: 170.023+/-0.031 χ^2/NDF : 2794196.9/33

Left In: 179.886+/-0.032 χ^2/NDF :1580636.4/22

Left: 188.712+/-0.023 χ^2/NDF : 3502782.6/47

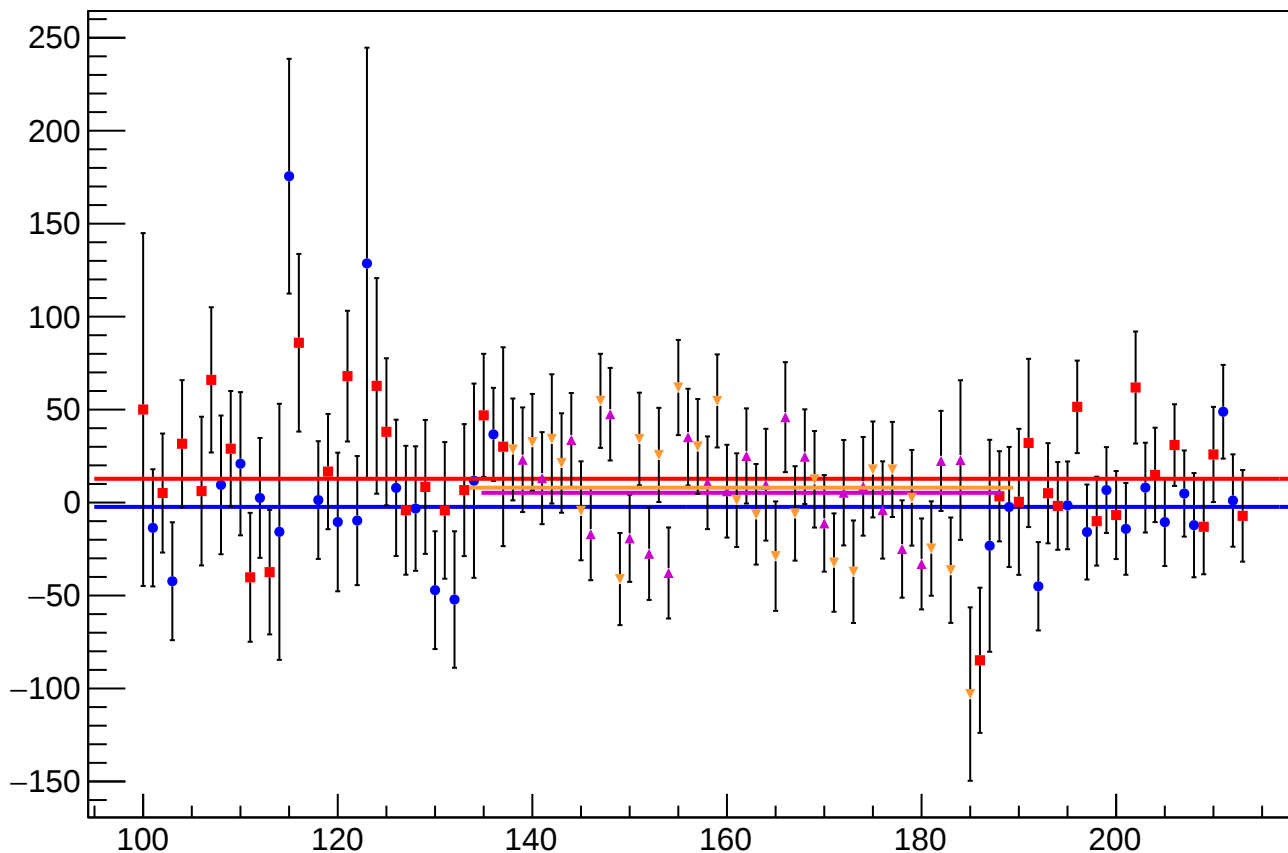
Right: 170.143+/-0.022 χ^2/NDF : 4928585.9/63

In: 175.005+/-0.022 χ^2/NDF :3761047.1/52

Out: 182.885+/-0.023 χ^2/NDF :4946640.8/58

All: 178.886+/-0.016 χ^2/NDF : 8768607.5/111

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.327 ± 5.547 χ^2/NDF : 26.7/29

Left Out: 8.004 ± 5.334 χ^2/NDF : 37.4/24

Right Out: 12.797 ± 5.356 χ^2/NDF : 31.3/33

Left In: 5.261 ± 5.465 χ^2/NDF : 20.8/22

Left: 6.665 ± 3.817 χ^2/NDF : 58.3/47

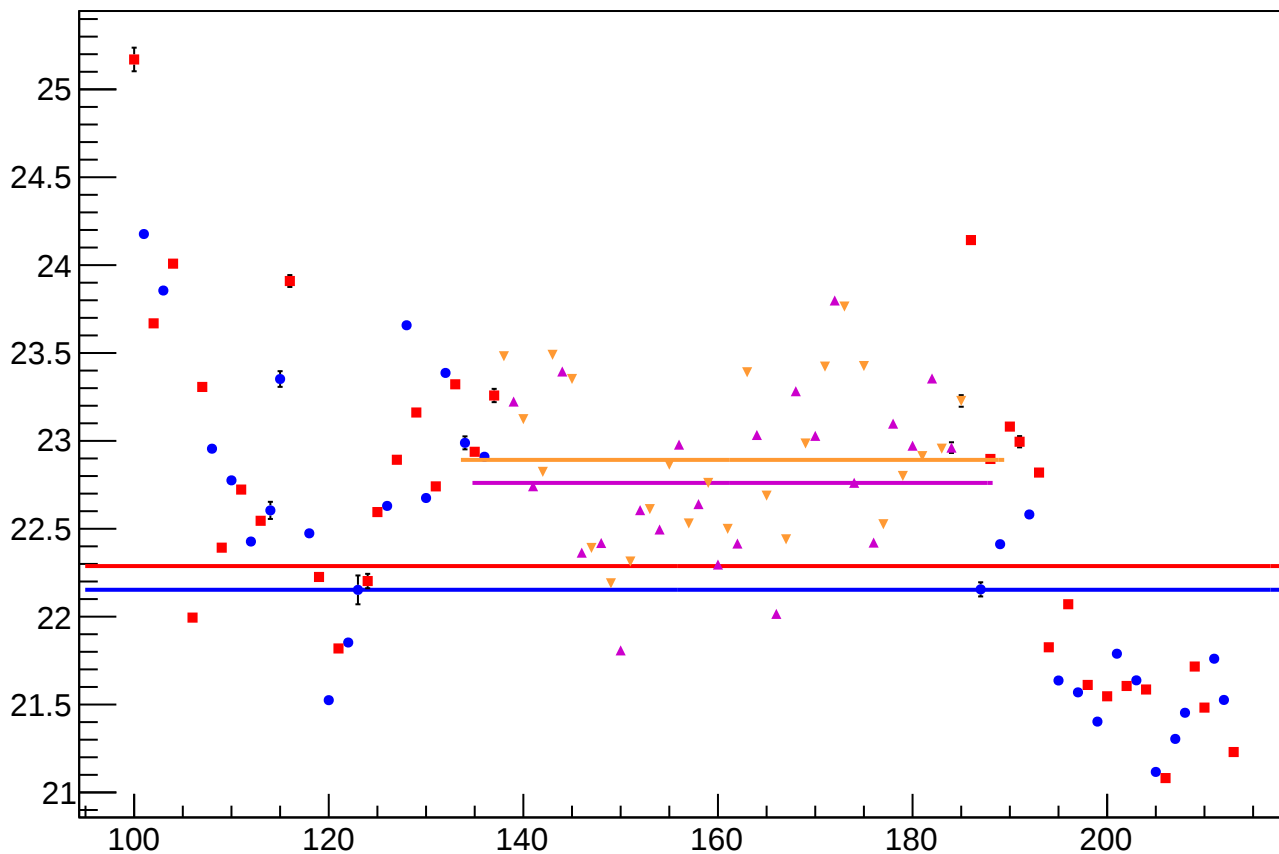
Right: 5.500 ± 3.853 χ^2/NDF : 61.9/63

In: 1.524 ± 3.893 χ^2/NDF : 48.4/52

Out: 10.390 ± 3.780 χ^2/NDF : 69.2/58

All: 6.088 ± 2.712 χ^2/NDF : 120.2/111

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.153 ± 0.004 $\chi^2/\text{NDF}: 42632.7/29$

Left Out: 22.892 ± 0.004 $\chi^2/\text{NDF}: 12995.5/24$

Right Out: 22.288 ± 0.004 $\chi^2/\text{NDF}: 48156.2/33$

Left In: 22.761 ± 0.004 $\chi^2/\text{NDF}: 14550.0/22$

Left: 22.828 ± 0.003 $\chi^2/\text{NDF}: 28133.9/47$

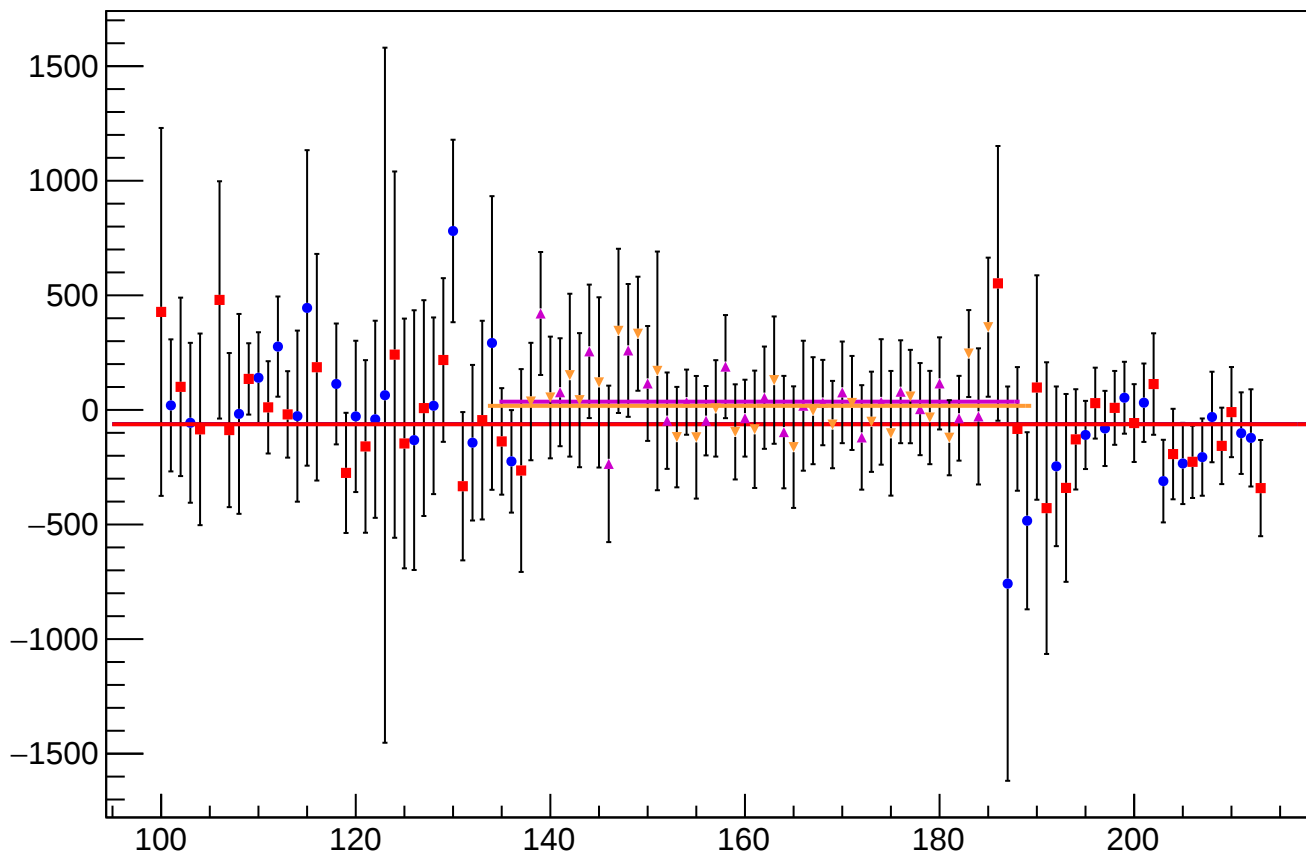
Right: 22.223 ± 0.003 $\chi^2/\text{NDF}: 91400.8/63$

In: 22.461 ± 0.003 $\chi^2/\text{NDF}: 69376.1/52$

Out: 22.591 ± 0.003 $\chi^2/\text{NDF}: 73925.2/58$

All: 22.528 ± 0.002 $\chi^2/\text{NDF}: 144442.9/111$

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -61.736 $\pm$ 44.348 χ^2 /NDF: 16.8/29

Left Out: 17.777 $\pm$ 47.941 χ^2 /NDF:8.5/24

Right Out: -62.525 $\pm$ 43.130 χ^2 /NDF: 13.1/33

Left In: 35.879 $\pm$ 45.087 χ^2 /NDF:6.3/22

Left: 27.383 $\pm$ 32.844 χ^2 /NDF: 14.9/47

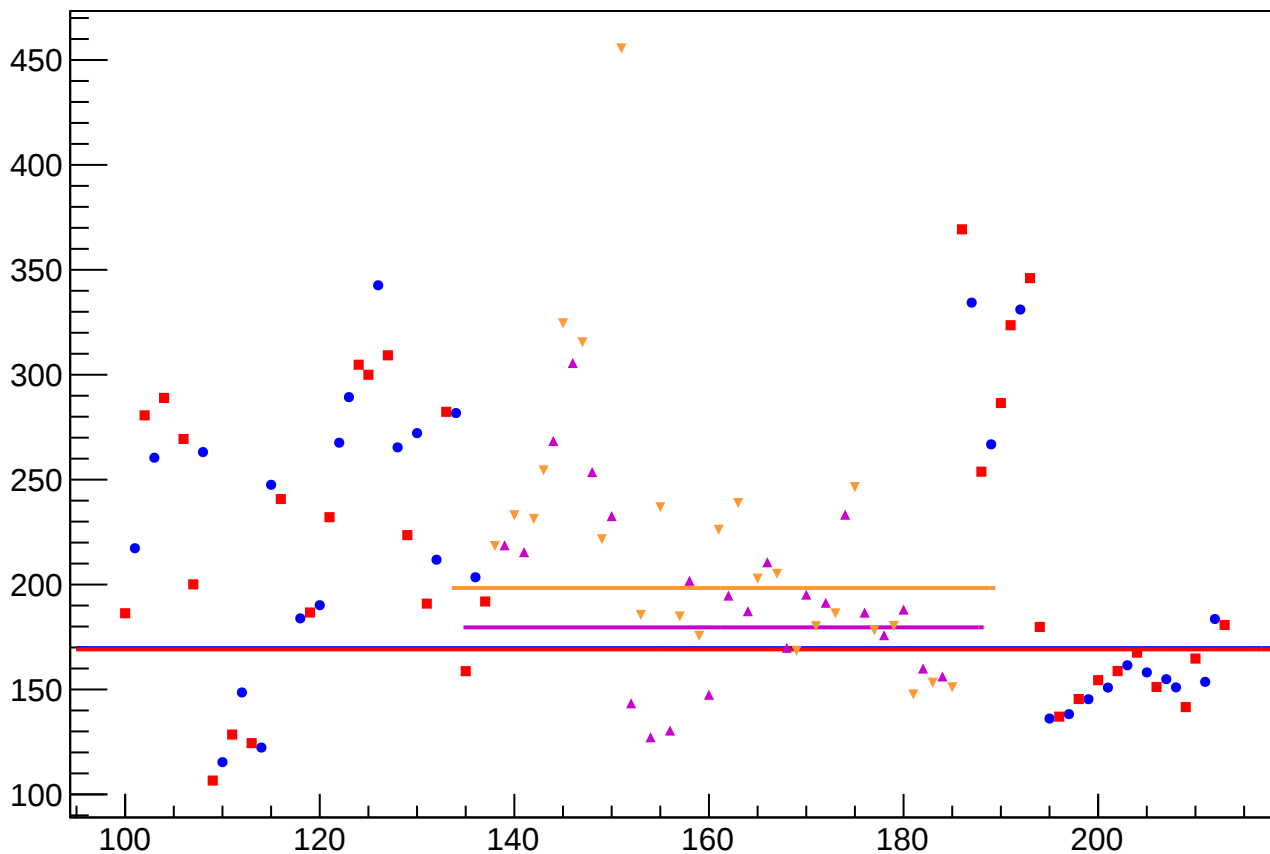
Right: -62.142 $\pm$ 30.919 χ^2 /NDF: 29.9/63

In: -13.736 $\pm$ 31.617 χ^2 /NDF:25.5/52

Out: -26.605 $\pm$ 32.064 χ^2 /NDF:23.2/58

All: -20.080 $\pm$ 22.513 χ^2 /NDF: 48.8/111

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 169.698 $\pm$ 0.031 χ^2 /NDF: 2164346.7/29

Left Out: 198.344 $\pm$ 0.034 χ^2 /NDF: 1757450.6/24

Right Out: 169.113 $\pm$ 0.030 χ^2 /NDF: 2862288.6/33

Left In: 179.605 $\pm$ 0.032 χ^2 /NDF: 1575744.0/22

Left: 188.400 $\pm$ 0.023 χ^2 /NDF: 3495336.8/47

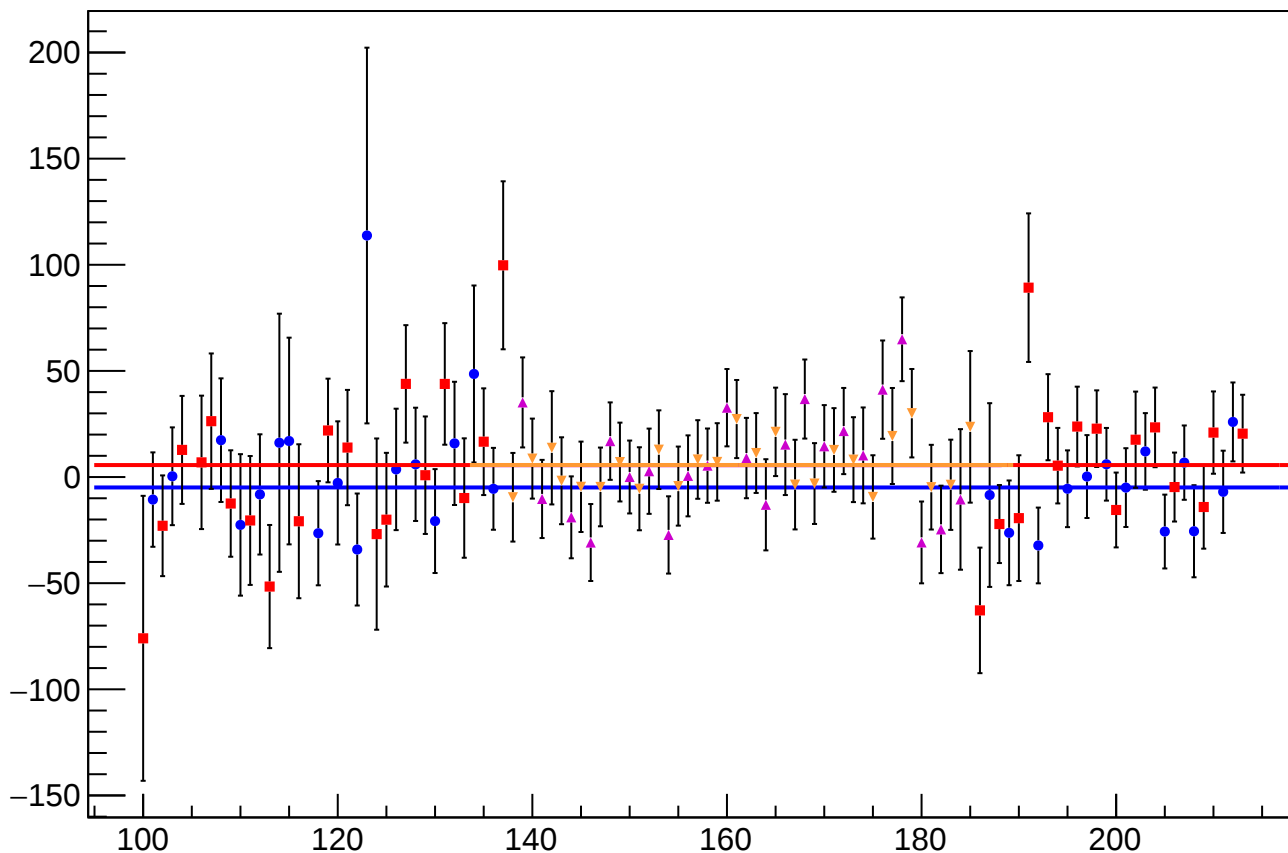
Right: 169.397 $\pm$ 0.022 χ^2 /NDF: 5026813.9/63

In: 174.569 $\pm$ 0.022 χ^2 /NDF: 3789172.8/52

Out: 182.188 $\pm$ 0.023 χ^2 /NDF: 5030660.1/58

All: 178.325 $\pm$ 0.016 χ^2 /NDF: 8877089.5/111

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.907 ± 4.236 $\chi^2/\text{NDF}: 18.0/29$

Left Out: 5.680 ± 4.024 $\chi^2/\text{NDF}: 7.7/24$

Right Out: 5.645 ± 4.096 $\chi^2/\text{NDF}: 43.2/33$

Left In: 5.595 ± 4.121 $\chi^2/\text{NDF}: 36.4/22$

Left: 5.639 ± 2.879 $\chi^2/\text{NDF}: 44.1/47$

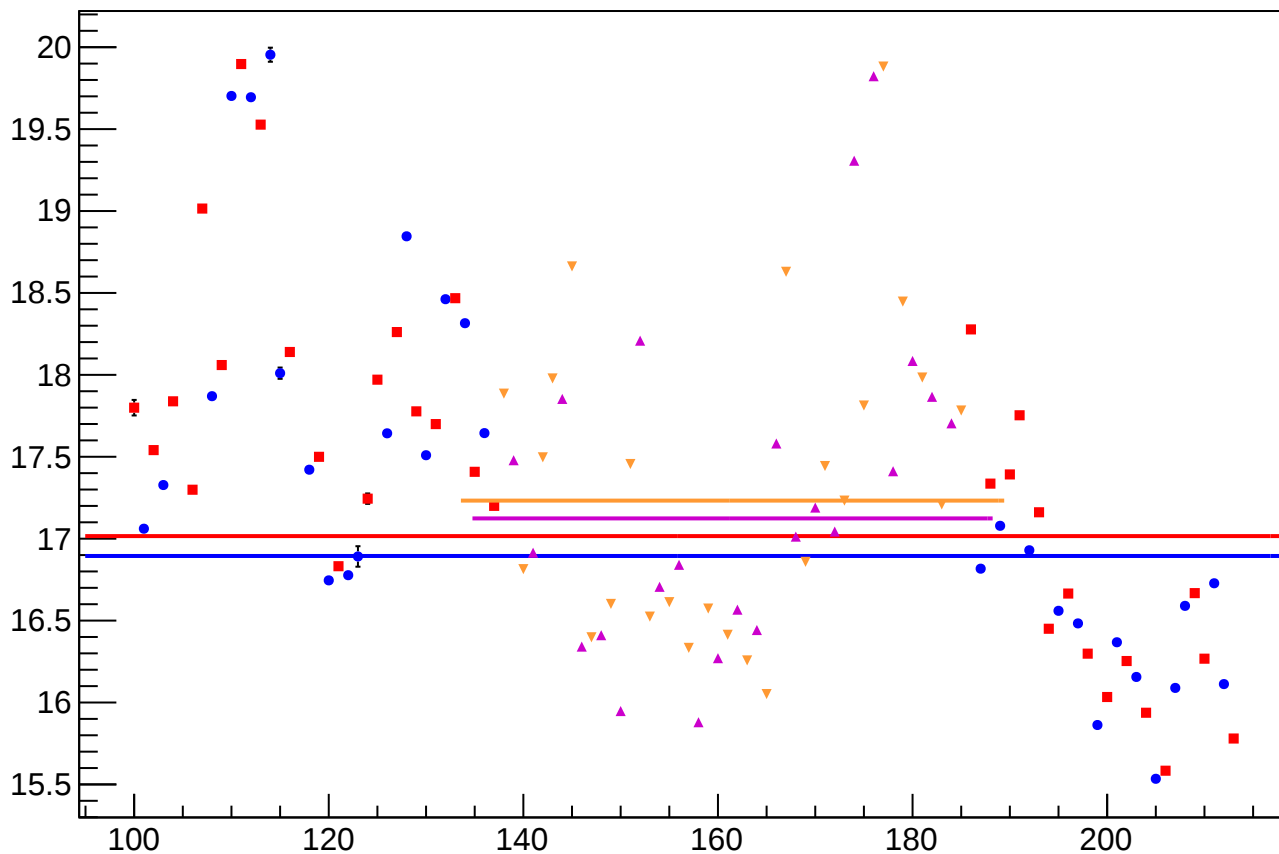
Right: 0.546 ± 2.945 $\chi^2/\text{NDF}: 64.3/63$

In: 0.488 ± 2.954 $\chi^2/\text{NDF}: 57.5/52$

Out: 5.663 ± 2.870 $\chi^2/\text{NDF}: 50.9/58$

All: 3.150 ± 2.059 $\chi^2/\text{NDF}: 110.0/111$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.894 $\pm$ 0.003 χ^2 /NDF: 102917.0/29

Left Out: 17.232 $\pm$ 0.003 χ^2 /NDF:98701.0/24

Right Out: 17.016 $\pm$ 0.003 χ^2 /NDF: 119848.5/33

Left In: 17.124 $\pm$ 0.003 χ^2 /NDF:100747.0/22

Left: 17.179 $\pm$ 0.002 χ^2 /NDF: 200160.6/47

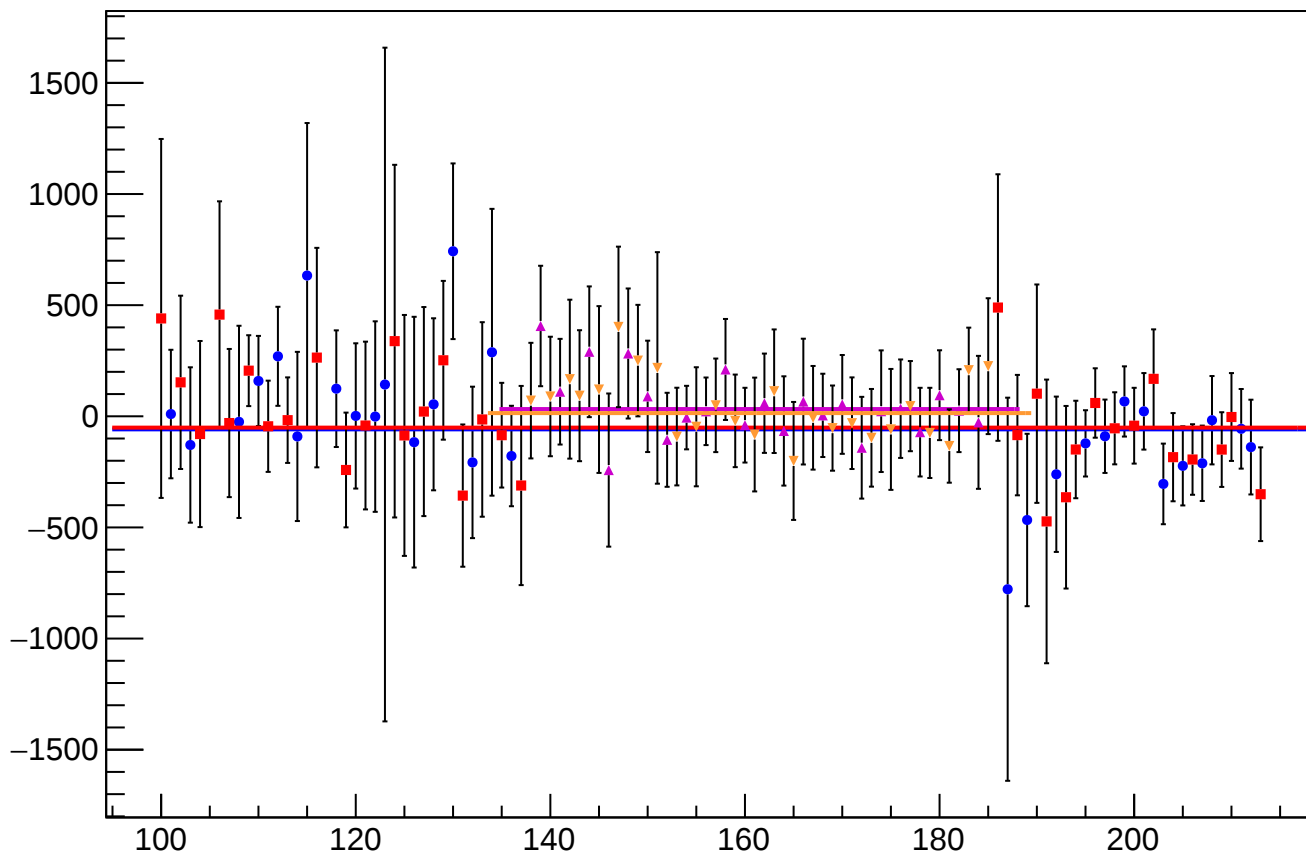
Right: 16.957 $\pm$ 0.002 χ^2 /NDF: 223613.7/63

In: 17.012 $\pm$ 0.002 χ^2 /NDF:206673.8/52

Out: 17.126 $\pm$ 0.002 χ^2 /NDF:221396.9/58

All: 17.071 $\pm$ 0.001 χ^2 /NDF: 429598.0/111

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -58.780 ± 44.609 $\chi^2/\text{NDF}: 16.9/29$

Left Out: 14.362 ± 48.130 $\chi^2/\text{NDF}: 6.9/24$

Right Out: -50.974 ± 43.427 $\chi^2/\text{NDF}: 14.8/33$

Left In: 32.571 ± 45.248 $\chi^2/\text{NDF}: 6.7/22$

Left: 24.028 ± 32.967 $\chi^2/\text{NDF}: 13.7/47$

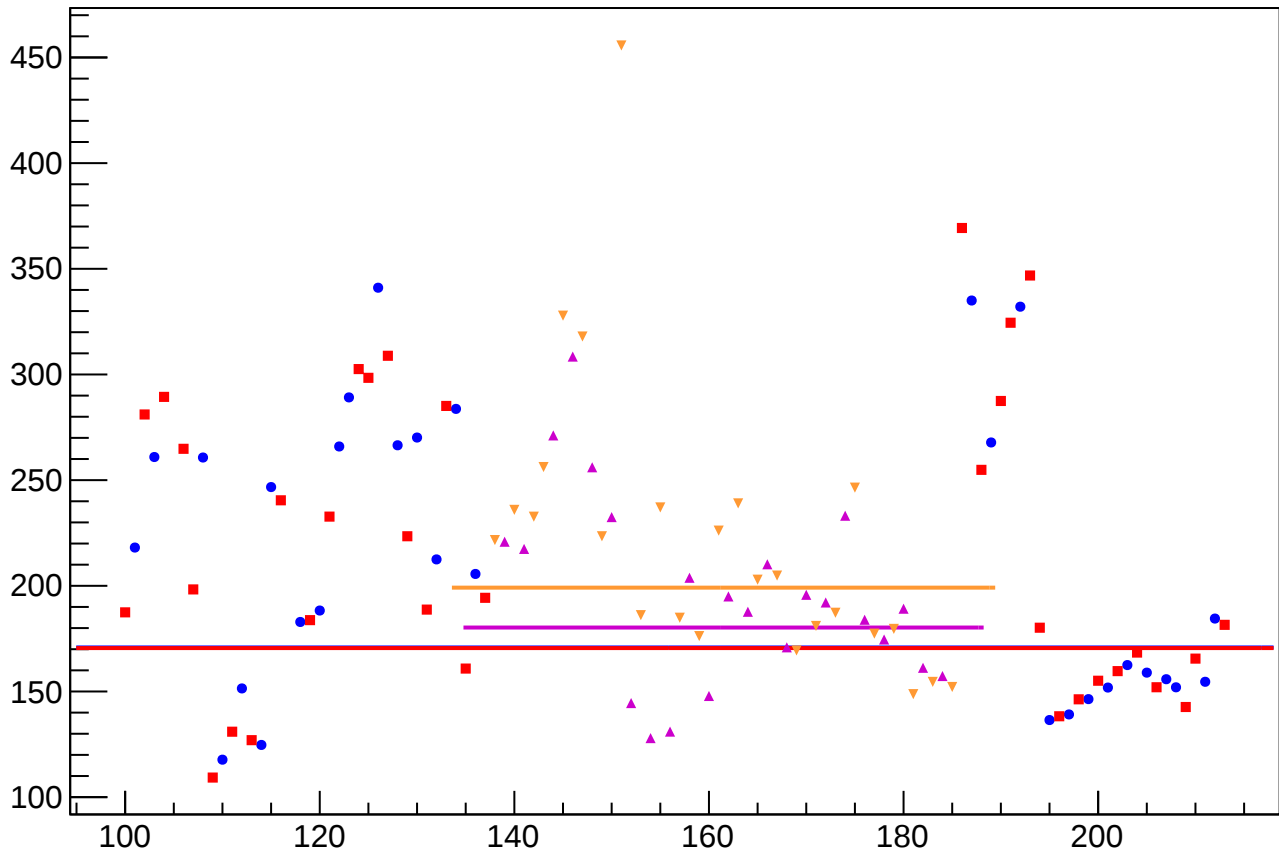
Right: -54.772 ± 31.117 $\chi^2/\text{NDF}: 31.7/63$

In: -13.754 ± 31.767 $\chi^2/\text{NDF}: 25.6/52$

Out: -21.653 ± 32.242 $\chi^2/\text{NDF}: 22.7/58$

All: -17.645 ± 22.629 $\chi^2/\text{NDF}: 48.4/111$

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.825 $\pm$ 0.032 χ^2 /NDF: 2116087.9/29

Left Out: 199.136 $\pm$ 0.034 χ^2 /NDF:1760298.1/24

Right Out: 170.537 $\pm$ 0.031 χ^2 /NDF: 2769515.6/33

Left In: 180.256 $\pm$ 0.032 χ^2 /NDF:1580553.5/22

Left: 189.114 $\pm$ 0.023 χ^2 /NDF: 3504211.1/47

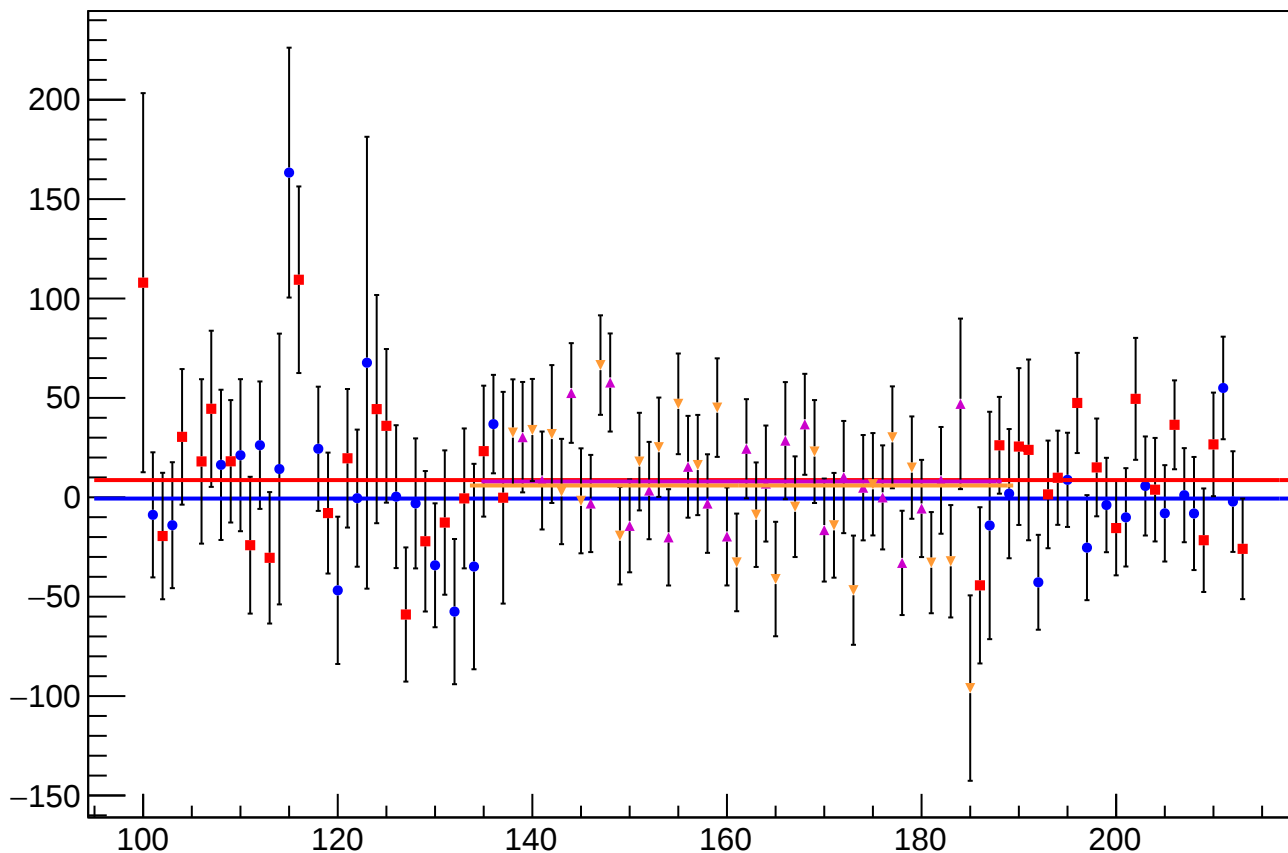
Right: 170.677 $\pm$ 0.022 χ^2 /NDF: 4885646.5/63

In: 175.474 $\pm$ 0.022 χ^2 /NDF:3740704.7/52

Out: 183.371 $\pm$ 0.023 χ^2 /NDF:4919076.9/58

All: 179.364 $\pm$ 0.016 χ^2 /NDF: 8720669.4/111

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.634 ± 5.588 χ^2/NDF : 26.5/29

Left Out: 5.937 ± 5.285 χ^2/NDF : 36.1/24

Right Out: 8.660 ± 5.384 χ^2/NDF : 30.1/33

Left In: 7.915 ± 5.422 χ^2/NDF : 18.7/22

Left: 6.901 ± 3.784 χ^2/NDF : 54.9/47

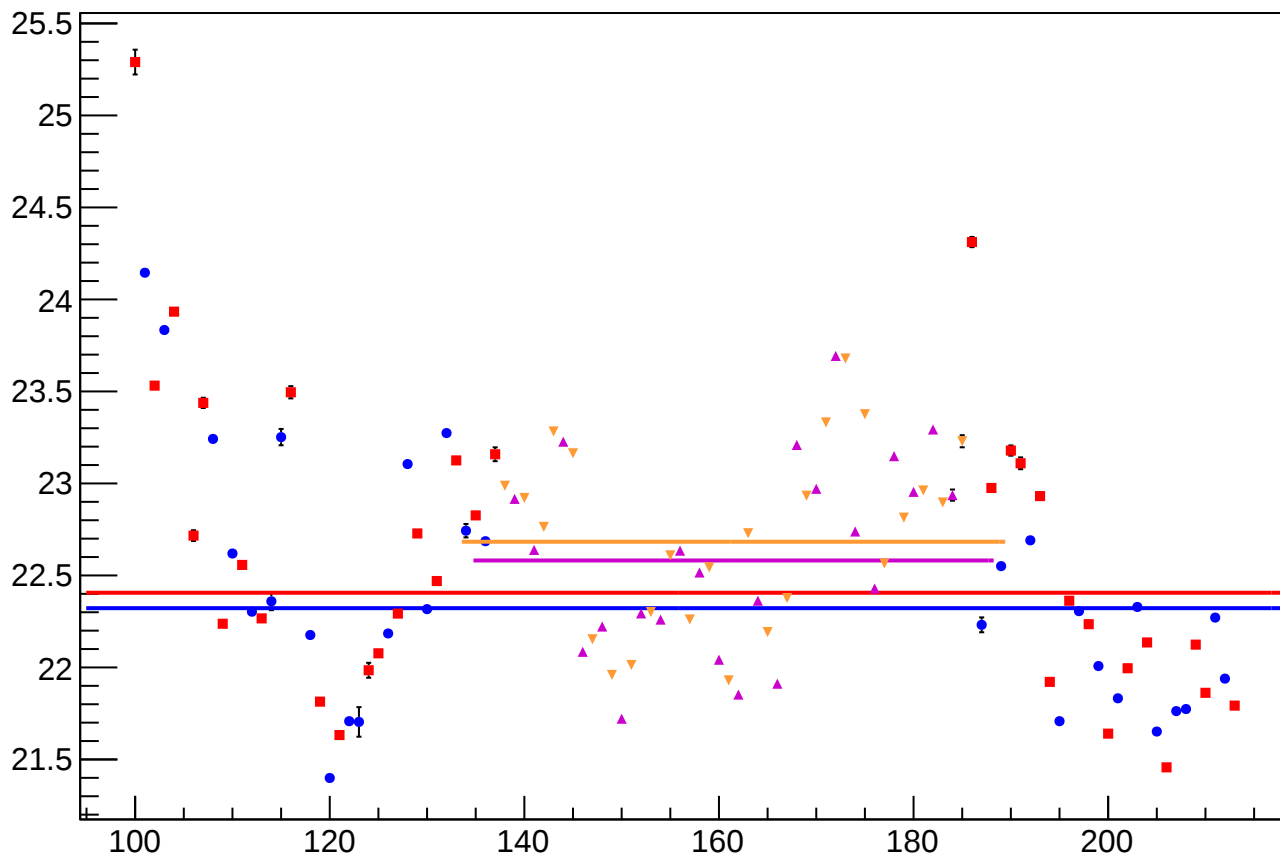
Right: 4.186 ± 3.877 χ^2/NDF : 58.0/63

In: 3.770 ± 3.891 χ^2/NDF : 46.4/52

Out: 7.273 ± 3.771 χ^2/NDF : 66.3/58

All: 5.577 ± 2.708 χ^2/NDF : 113.1/111

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.322 ± 0.004 $\chi^2/\text{NDF}: 25006.2/29$

Left Out: 22.683 ± 0.004 $\chi^2/\text{NDF}: 16320.2/24$

Right Out: 22.406 ± 0.004 $\chi^2/\text{NDF}: 32065.7/33$

Left In: 22.581 ± 0.004 $\chi^2/\text{NDF}: 17904.5/22$

Left: 22.634 ± 0.003 $\chi^2/\text{NDF}: 34586.9/47$

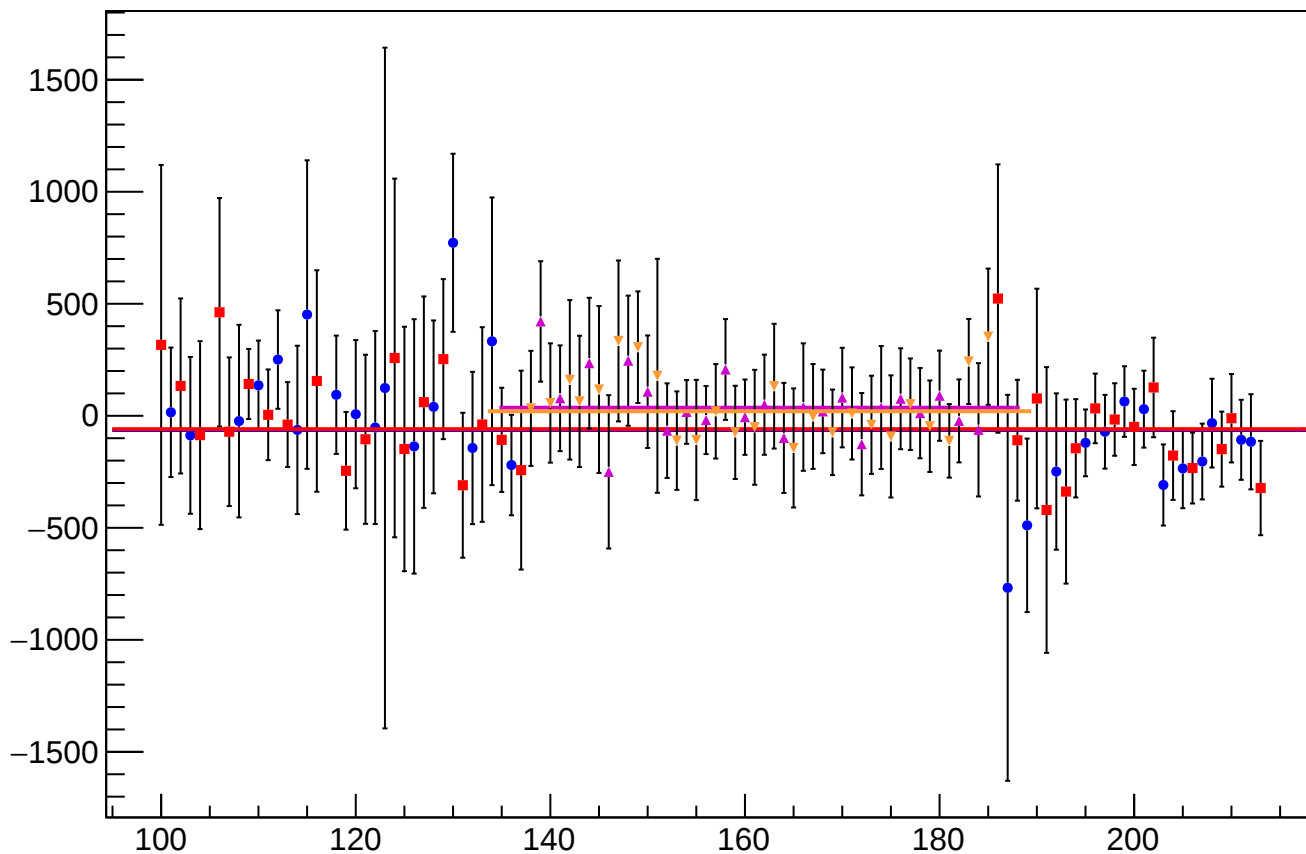
Right: 22.366 ± 0.003 $\chi^2/\text{NDF}: 57305.3/63$

In: 22.456 ± 0.003 $\chi^2/\text{NDF}: 45126.6/52$

Out: 22.547 ± 0.003 $\chi^2/\text{NDF}: 51086.9/58$

All: 22.503 ± 0.002 $\chi^2/\text{NDF}: 96783.5/111$

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -63.344 ± 44.480 $\chi^2/\text{NDF}: 16.4/29$

Left Out: 20.306 ± 48.049 $\chi^2/\text{NDF}: 7.7/24$

Right Out: -59.705 ± 43.245 $\chi^2/\text{NDF}: 12.4/33$

Left In: 35.996 ± 45.180 $\chi^2/\text{NDF}: 6.1/22$

Left: 28.633 ± 32.915 $\chi^2/\text{NDF}: 13.8/47$

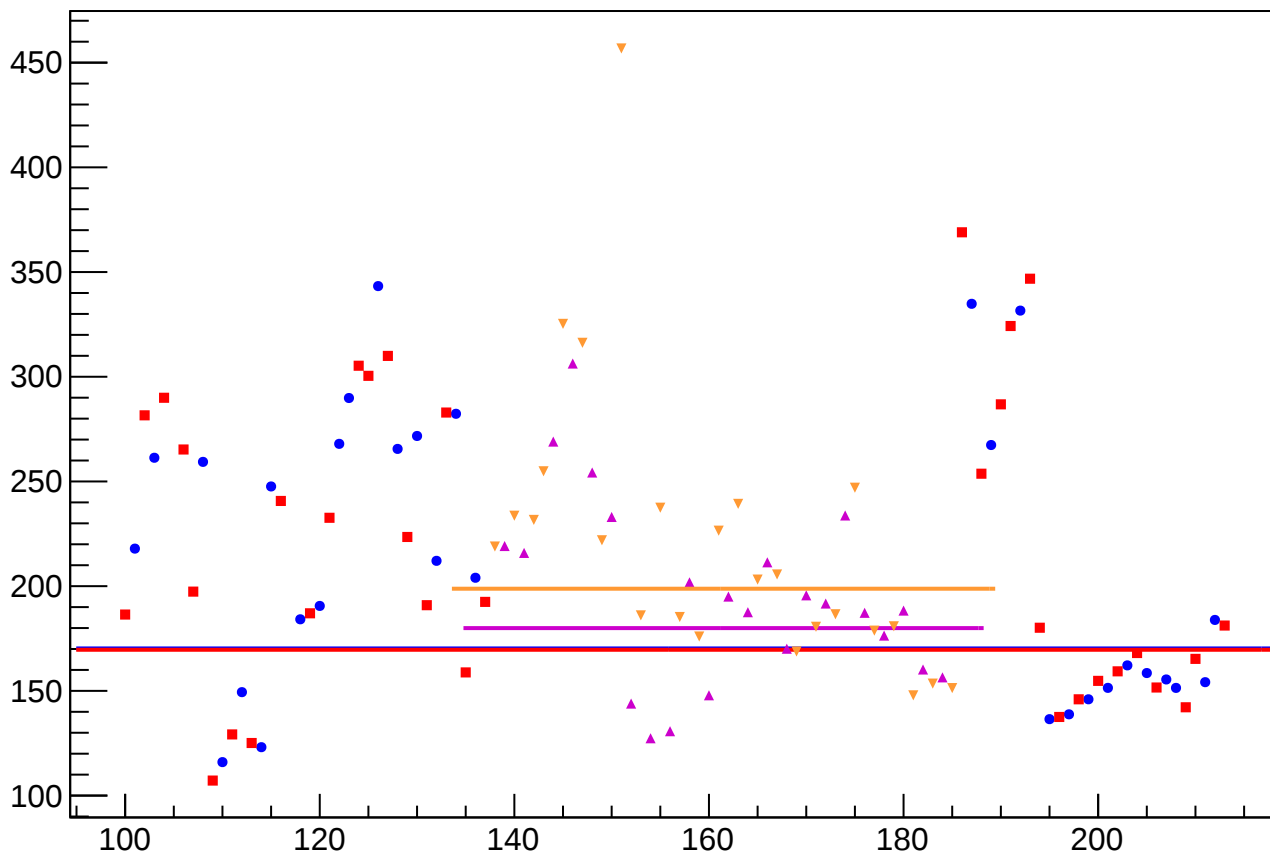
Right: -61.473 ± 31.006 $\chi^2/\text{NDF}: 28.8/63$

In: -14.449 ± 31.697 $\chi^2/\text{NDF}: 24.9/52$

Out: -23.898 ± 32.143 $\chi^2/\text{NDF}: 21.6/58$

All: -19.107 ± 22.569 $\chi^2/\text{NDF}: 46.6/111$

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 170.259+/-0.031 χ^2/NDF : 2145495.2/29

Left Out: 198.784+/-0.034 χ^2/NDF :1758481.8/24

Right Out: 169.633+/-0.031 χ^2/NDF : 2836704.8/33

Left In: 179.972+/-0.032 χ^2/NDF :1575888.3/22

Left: 188.800+/-0.023 χ^2/NDF : 3497081.8/47

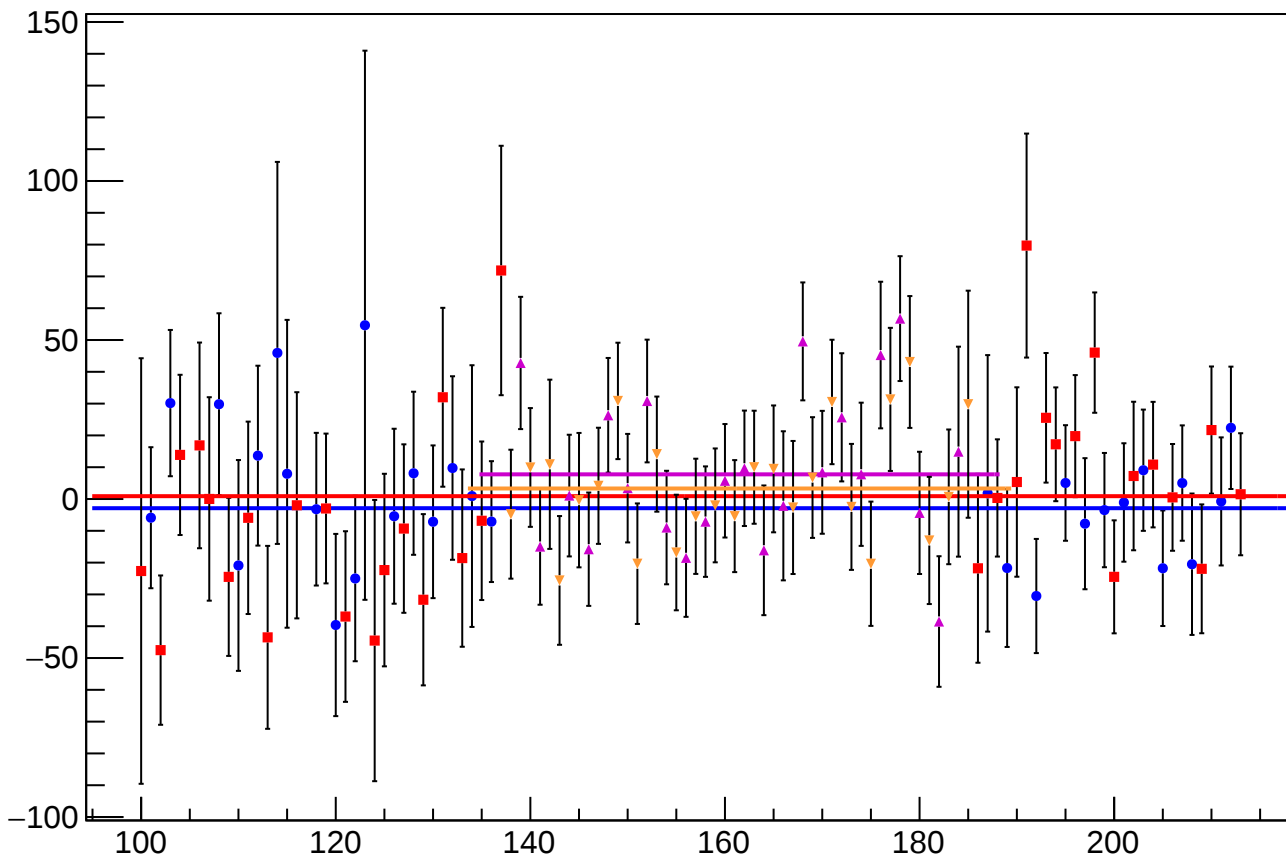
Right: 169.937+/-0.022 χ^2/NDF : 4982403.8/63

In: 175.040+/-0.022 χ^2/NDF :3768325.2/52

Out: 182.679+/-0.023 χ^2/NDF :5001903.7/58

All: 178.806+/-0.016 χ^2/NDF : 8827498.9/111

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.887 ± 4.290 $\chi^2/\text{NDF}: 15.3/29$

Left Out: 3.307 ± 3.954 $\chi^2/\text{NDF}: 18.7/24$

Right Out: 0.893 ± 4.135 $\chi^2/\text{NDF}: 38.0/33$

Left In: 7.756 ± 4.061 $\chi^2/\text{NDF}: 34.3/22$

Left: 5.472 ± 2.833 $\chi^2/\text{NDF}: 53.6/47$

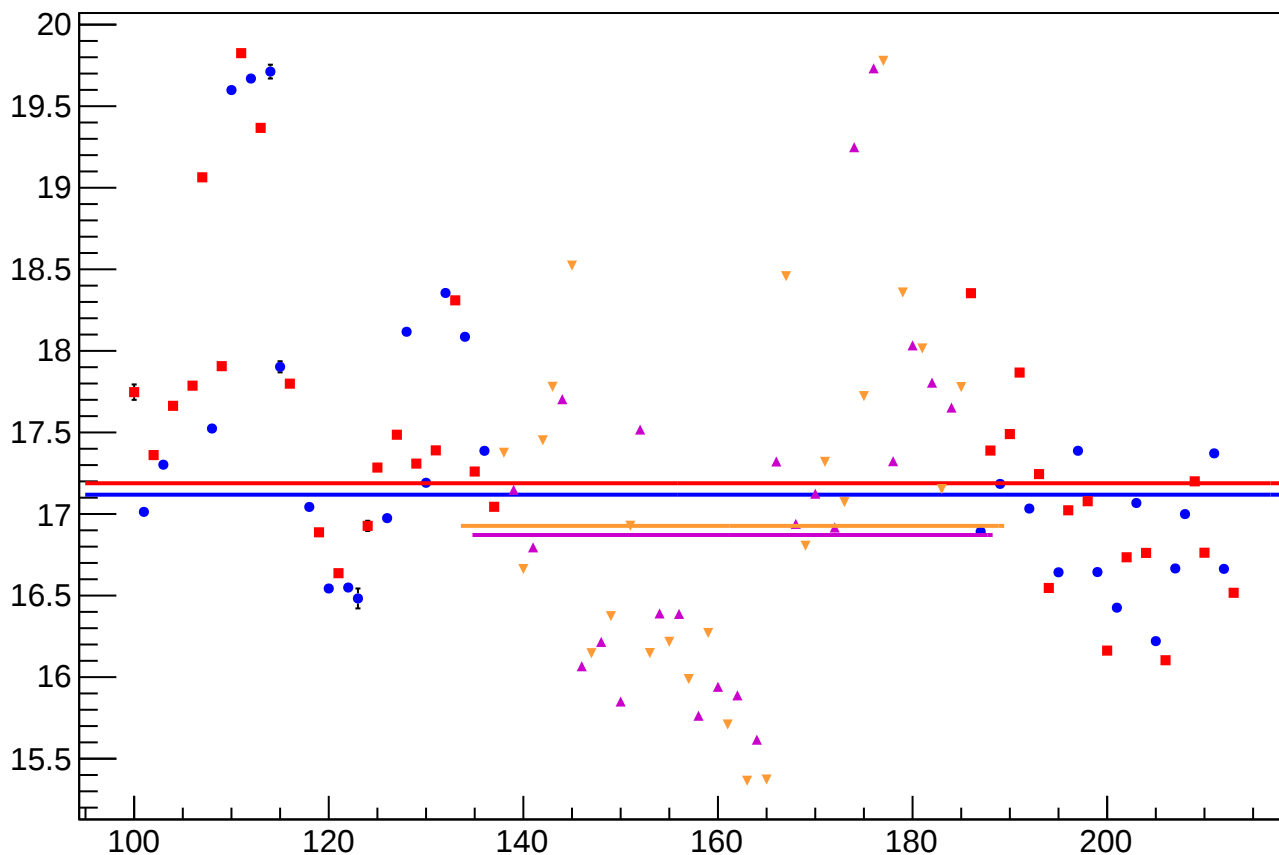
Right: -0.928 ± 2.977 $\chi^2/\text{NDF}: 53.7/63$

In: 2.726 ± 2.949 $\chi^2/\text{NDF}: 52.8/52$

Out: 2.154 ± 2.858 $\chi^2/\text{NDF}: 56.9/58$

All: 2.431 ± 2.052 $\chi^2/\text{NDF}: 109.7/111$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.118 $\pm$ 0.003 χ^2 /NDF: 56095.8/29

Left Out: 16.927 $\pm$ 0.003 χ^2 /NDF: 138533.2/24

Right Out: 17.189 $\pm$ 0.003 χ^2 /NDF: 69514.2/33

Left In: 16.871 $\pm$ 0.003 χ^2 /NDF: 117993.8/22

Left: 16.900 $\pm$ 0.002 χ^2 /NDF: 256722.4/47

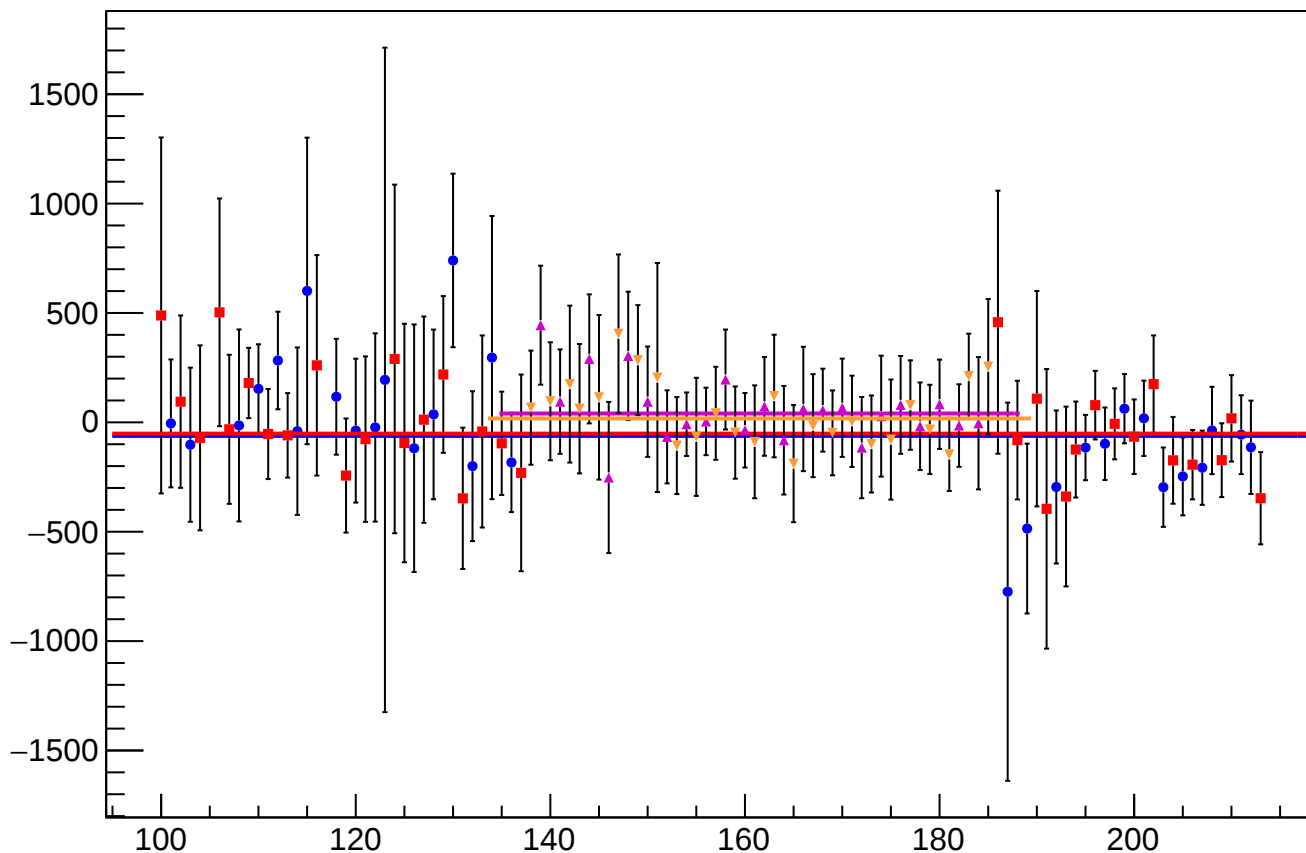
Right: 17.155 $\pm$ 0.002 χ^2 /NDF: 125886.7/63

In: 16.988 $\pm$ 0.002 χ^2 /NDF: 177592.7/52

Out: 17.052 $\pm$ 0.002 χ^2 /NDF: 212219.3/58

All: 17.021 $\pm$ 0.001 χ^2 /NDF: 390297.3/111

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -61.800 ± 44.740 χ^2/NDF : 16.8/29

Left Out: 17.828 ± 48.547 χ^2/NDF : 7.5/24

Right Out: -51.639 ± 43.565 χ^2/NDF : 13.8/33

Left In: 40.355 ± 45.689 χ^2/NDF : 6.6/22

Left: 29.774 ± 33.271 χ^2/NDF : 14.2/47

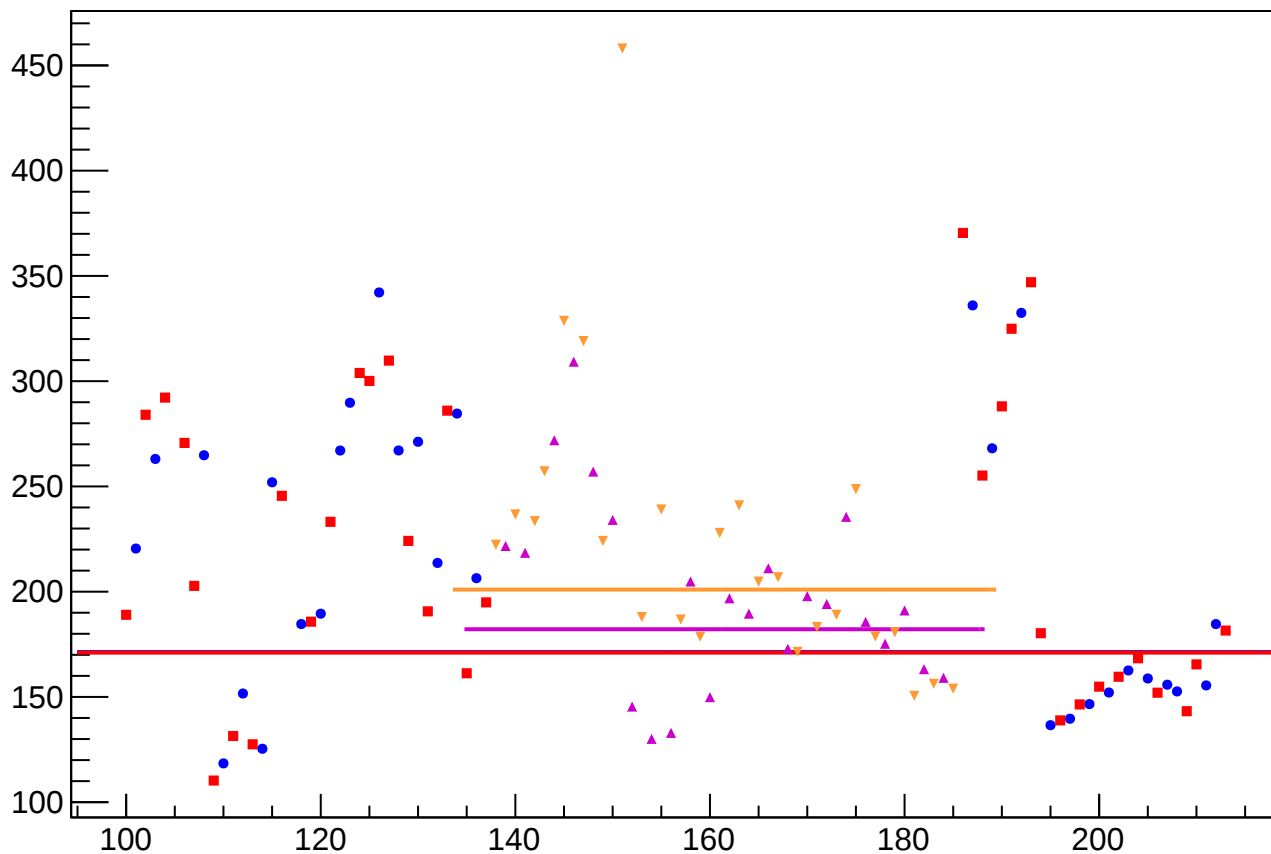
Right: -56.585 ± 31.212 χ^2/NDF : 30.6/63

In: -11.795 ± 31.966 χ^2/NDF : 26.0/52

Out: -20.652 ± 32.424 χ^2/NDF : 22.4/58

All: -16.160 ± 22.764 χ^2/NDF : 48.4/111

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.297+/-0.032 χ^2/NDF : 2130282.7/29

Left Out: 200.985+/-0.034 χ^2/NDF :1727291.4/24

Right Out: 171.079+/-0.031 χ^2/NDF : 2779746.7/33

Left In: 182.158+/-0.032 χ^2/NDF :1535922.8/22

Left: 191.001+/-0.024 χ^2/NDF : 3422724.8/47

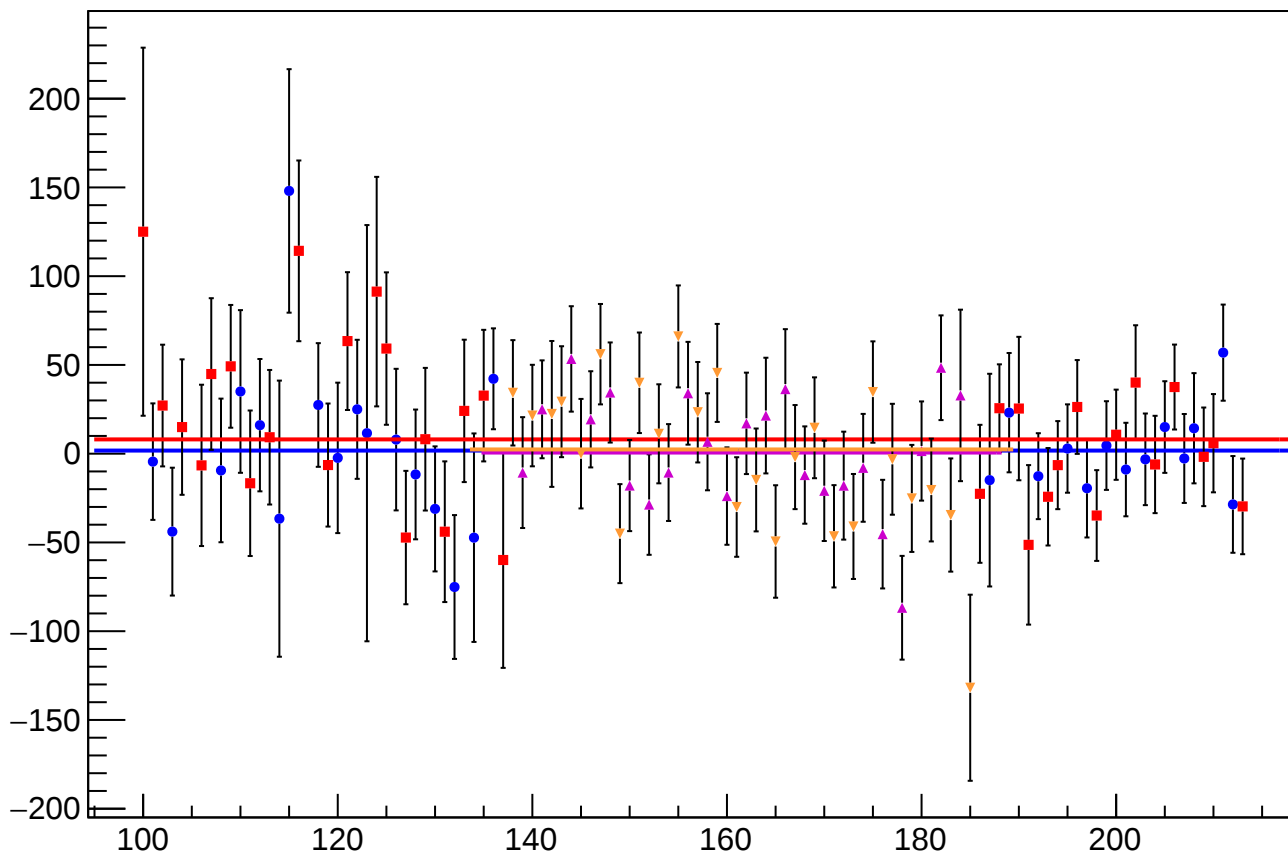
Right: 171.185+/-0.022 χ^2/NDF : 4910053.6/63

In: 176.613+/-0.023 χ^2/NDF :3723906.0/52

Out: 184.419+/-0.023 χ^2/NDF :4927449.4/58

All: 180.461+/-0.016 χ^2/NDF : 8710137.6/111

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.756 $\pm$ 6.032 χ^2 /NDF: 22.9/29

Left Out: 2.390 $\pm$ 5.980 χ^2 /NDF:39.1/24

Right Out: 8.051 $\pm$ 5.781 χ^2 /NDF: 32.6/33

Left In: 0.641 $\pm$ 6.091 χ^2 /NDF:27.3/22

Left: 1.531 $\pm$ 4.267 χ^2 /NDF: 66.5/47

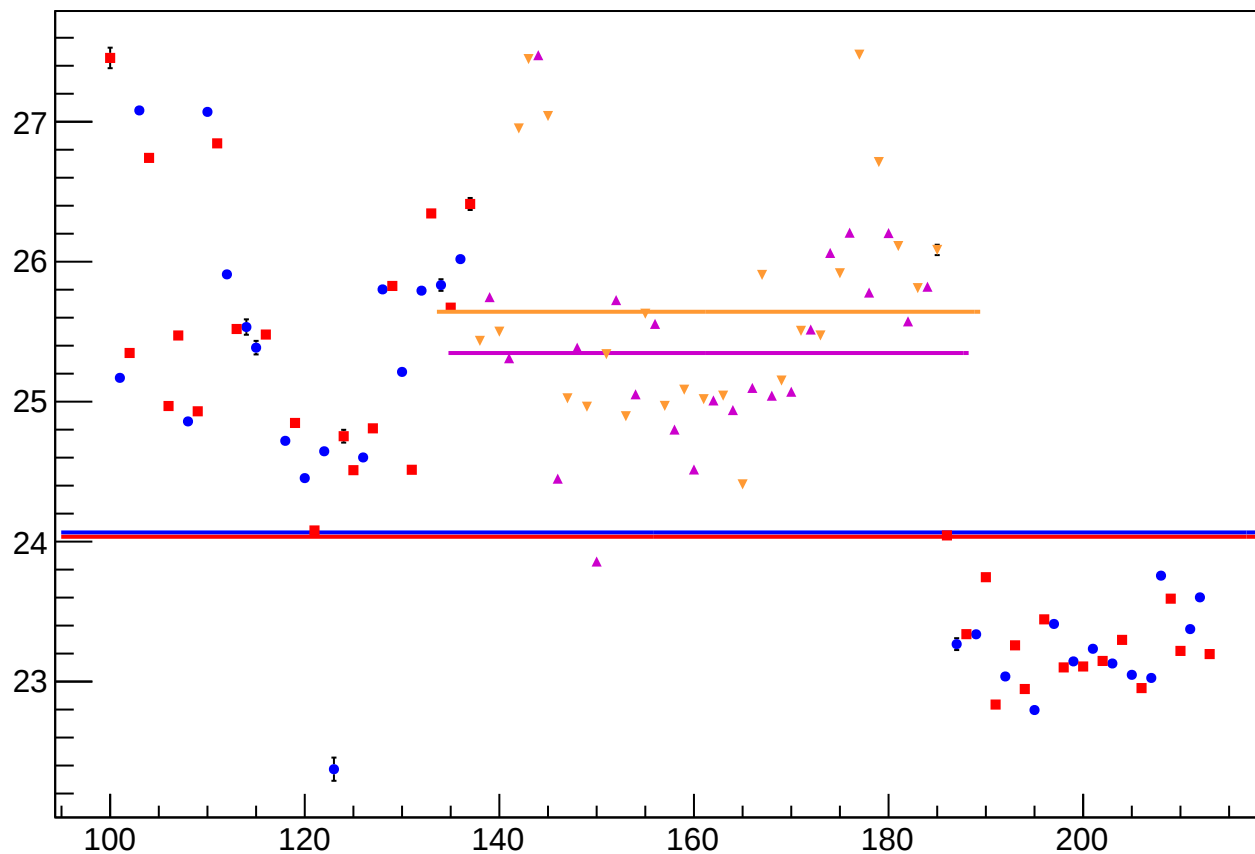
Right: 5.038 $\pm$ 4.174 χ^2 /NDF: 56.1/63

In: 1.204 $\pm$ 4.286 χ^2 /NDF:50.3/52

Out: 5.316 $\pm$ 4.156 χ^2 /NDF:72.2/58

All: 3.323 $\pm$ 2.984 χ^2 /NDF: 122.9/111

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.065 $\pm$ 0.004 χ^2 /NDF: 82811.3/29

Left Out: 25.642 $\pm$ 0.004 χ^2 /NDF:34802.2/24

Right Out: 24.035 $\pm$ 0.004 χ^2 /NDF: 80135.7/33

Left In: 25.347 $\pm$ 0.004 χ^2 /NDF:29389.5/22

Left: 25.498 $\pm$ 0.003 χ^2 /NDF: 66578.5/47

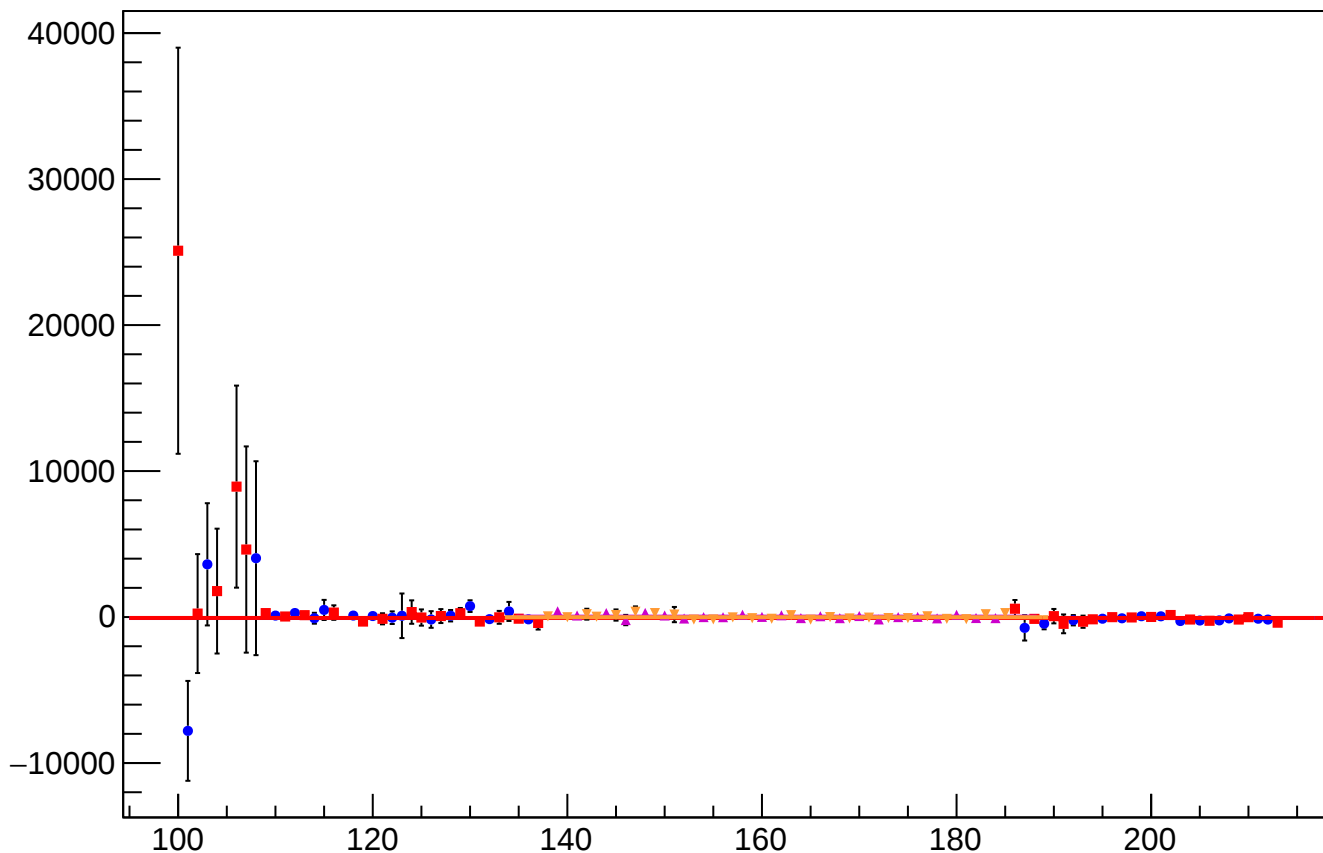
Right: 24.049 $\pm$ 0.003 χ^2 /NDF: 162974.4/63

In: 24.700 $\pm$ 0.003 χ^2 /NDF:156925.2/52

Out: 24.811 $\pm$ 0.003 χ^2 /NDF:189668.8/58

All: 24.757 $\pm$ 0.002 χ^2 /NDF: 347285.6/111

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -65.537 ± 46.728 χ^2/NDF : 21.8/29

Left Out: -11.432 ± 48.263 χ^2/NDF : 8.0/24

Right Out: -62.231 ± 46.200 χ^2/NDF : 20.6/33

Left In: 27.098 ± 45.999 χ^2/NDF : 7.2/22

Left: 8.758 ± 33.298 χ^2/NDF : 15.5/47

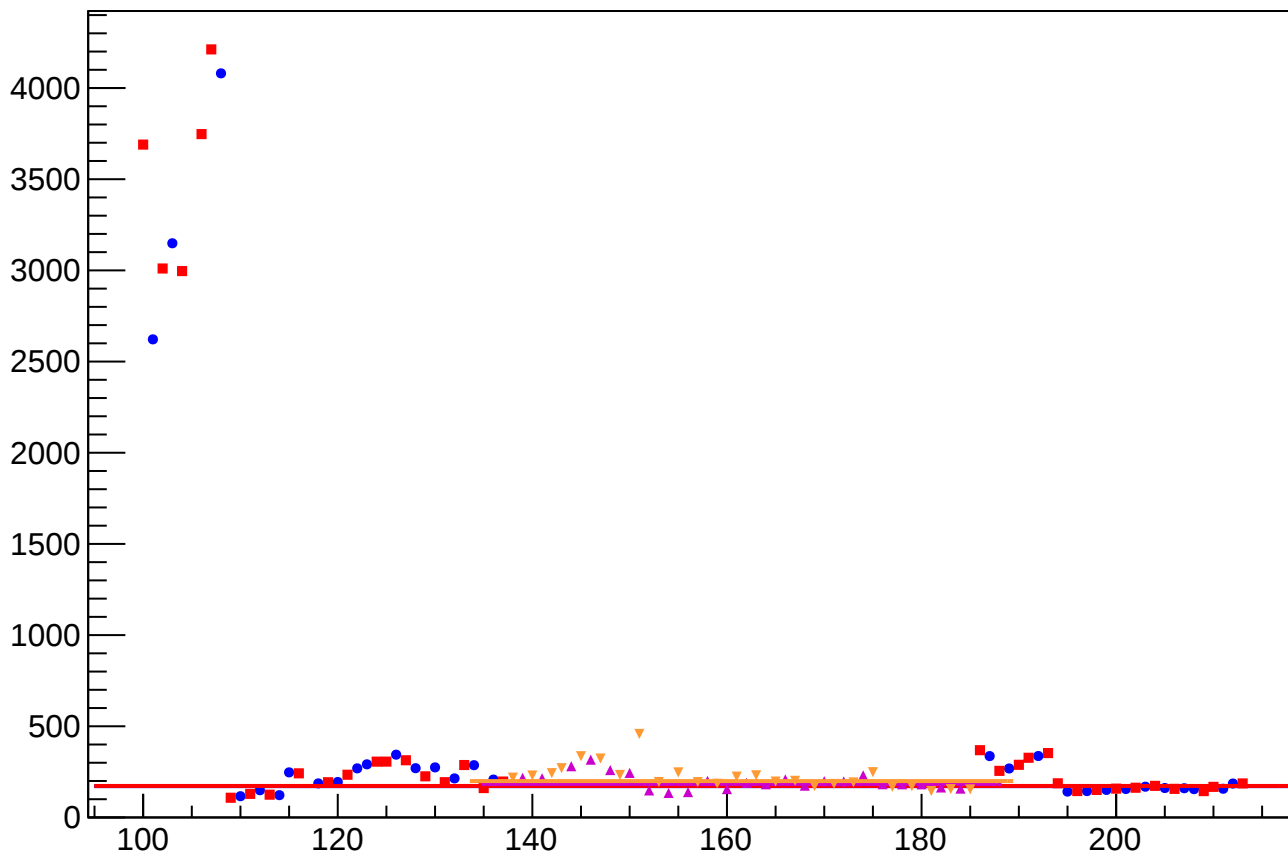
Right: -63.865 ± 32.853 χ^2/NDF : 42.4/63

In: -18.491 ± 32.781 χ^2/NDF : 31.0/52

Out: -37.940 ± 33.374 χ^2/NDF : 29.2/58

All: -28.041 ± 23.386 χ^2/NDF : 60.3/111

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.712+/-0.033 χ^2/NDF : 4526125.6/29

Left Out: 199.438+/-0.034 χ^2/NDF : 1877848.7/24

Right Out: 172.719+/-0.033 χ^2/NDF : 5402238.0/33

Left In: 183.805+/-0.033 χ^2/NDF : 1412869.6/22

Left: 191.246+/-0.024 χ^2/NDF : 3400676.1/47

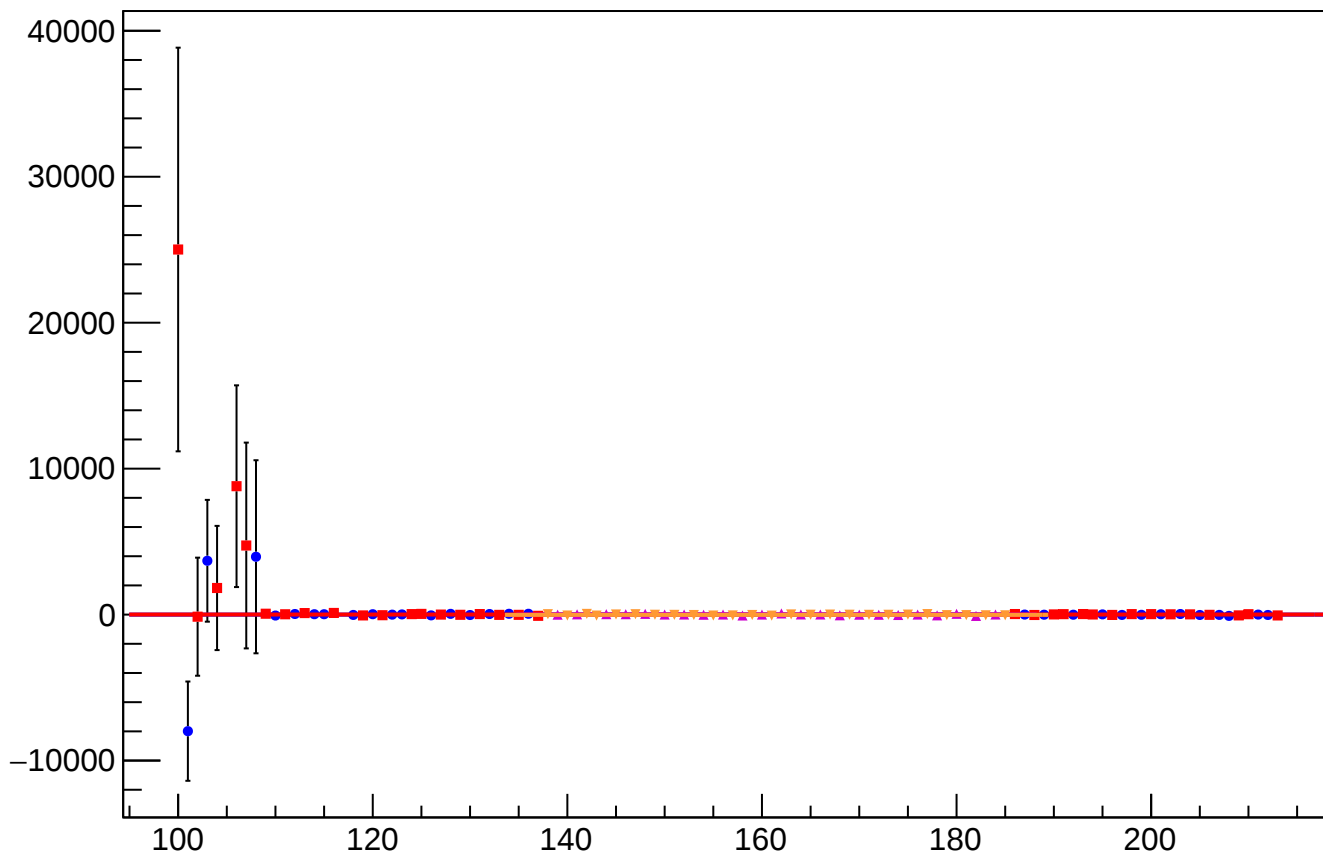
Right: 172.221+/-0.023 χ^2/NDF : 9928833.4/63

In: 177.854+/-0.023 χ^2/NDF : 6007026.8/52

Out: 185.495+/-0.024 χ^2/NDF : 7599956.1/58

All: 181.606+/-0.017 χ^2/NDF : 13660352.7/111

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.649 ± 7.221 χ^2/NDF : 30.1/29

Left Out: -18.118 ± 6.704 χ^2/NDF : 21.7/24

Right Out: 5.536 ± 7.033 χ^2/NDF : 38.1/33

Left In: 1.267 ± 6.908 χ^2/NDF : 32.0/22

Left: -8.716 ± 4.811 χ^2/NDF : 57.8/47

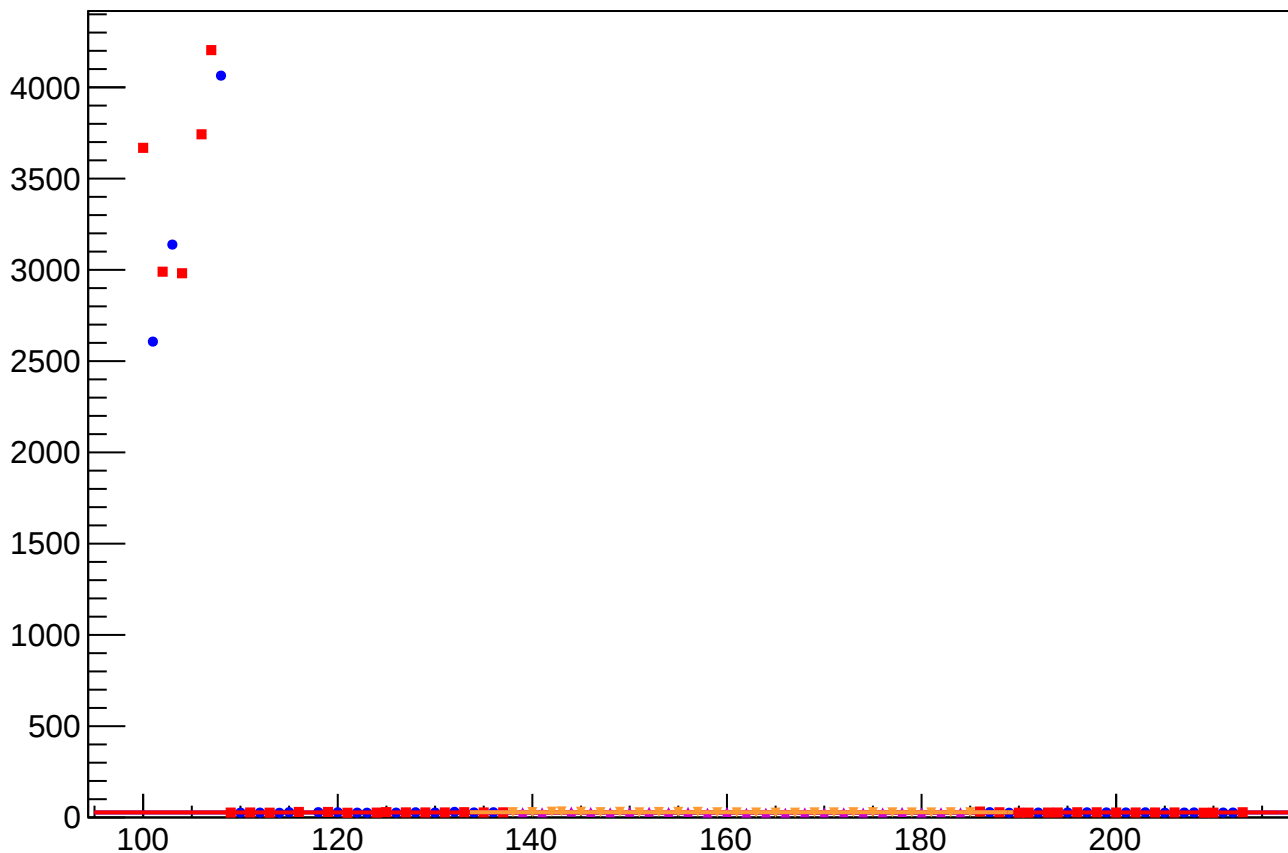
Right: 2.038 ± 5.038 χ^2/NDF : 68.7/63

In: -0.126 ± 4.992 χ^2/NDF : 62.2/52

Out: -6.857 ± 4.852 χ^2/NDF : 65.8/58

All: -3.587 ± 3.479 χ^2/NDF : 128.9/111

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.430+/-0.005 χ^2/NDF : 3041863.0/29

Left Out: 28.694+/-0.005 χ^2/NDF :110466.9/24

Right Out: 27.471+/-0.005 χ^2/NDF : 3513783.2/33

Left In: 28.677+/-0.005 χ^2/NDF :123814.4/22

Left: 28.685+/-0.003 χ^2/NDF : 234287.5/47

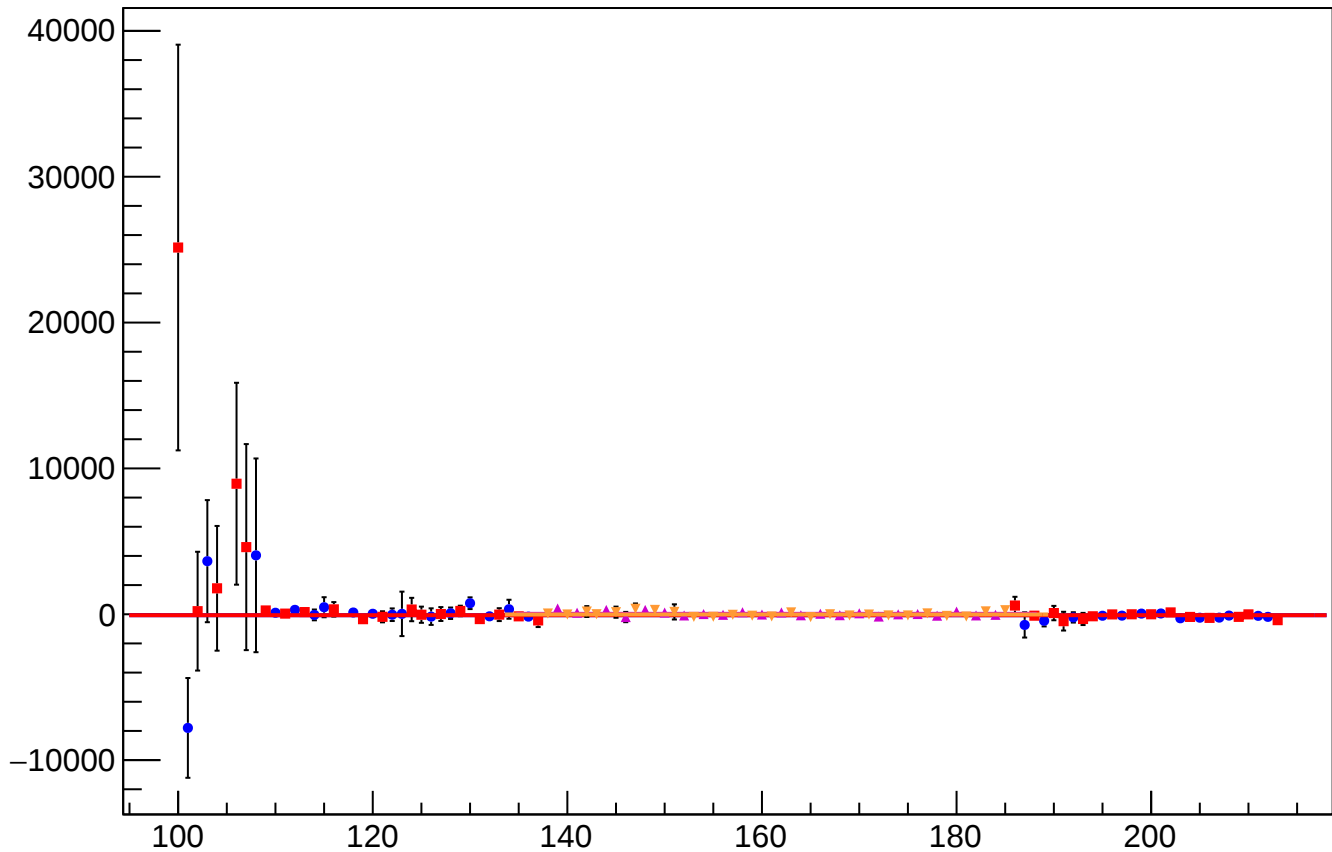
Right: 27.451+/-0.004 χ^2/NDF : 6555678.8/63

In: 28.081+/-0.004 χ^2/NDF :3196793.3/52

Out: 28.112+/-0.003 χ^2/NDF :3655926.9/58

All: 28.097+/-0.002 χ^2/NDF : 6852758.5/111

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -64.298 ± 46.586 χ^2/NDF : 22.1/29

Left Out: -13.878 ± 48.155 χ^2/NDF : 8.8/24

Right Out: -64.714 ± 46.066 χ^2/NDF : 21.5/33

Left In: 27.286 ± 45.907 χ^2/NDF : 7.5/22

Left: 7.688 ± 33.228 χ^2/NDF : 16.7/47

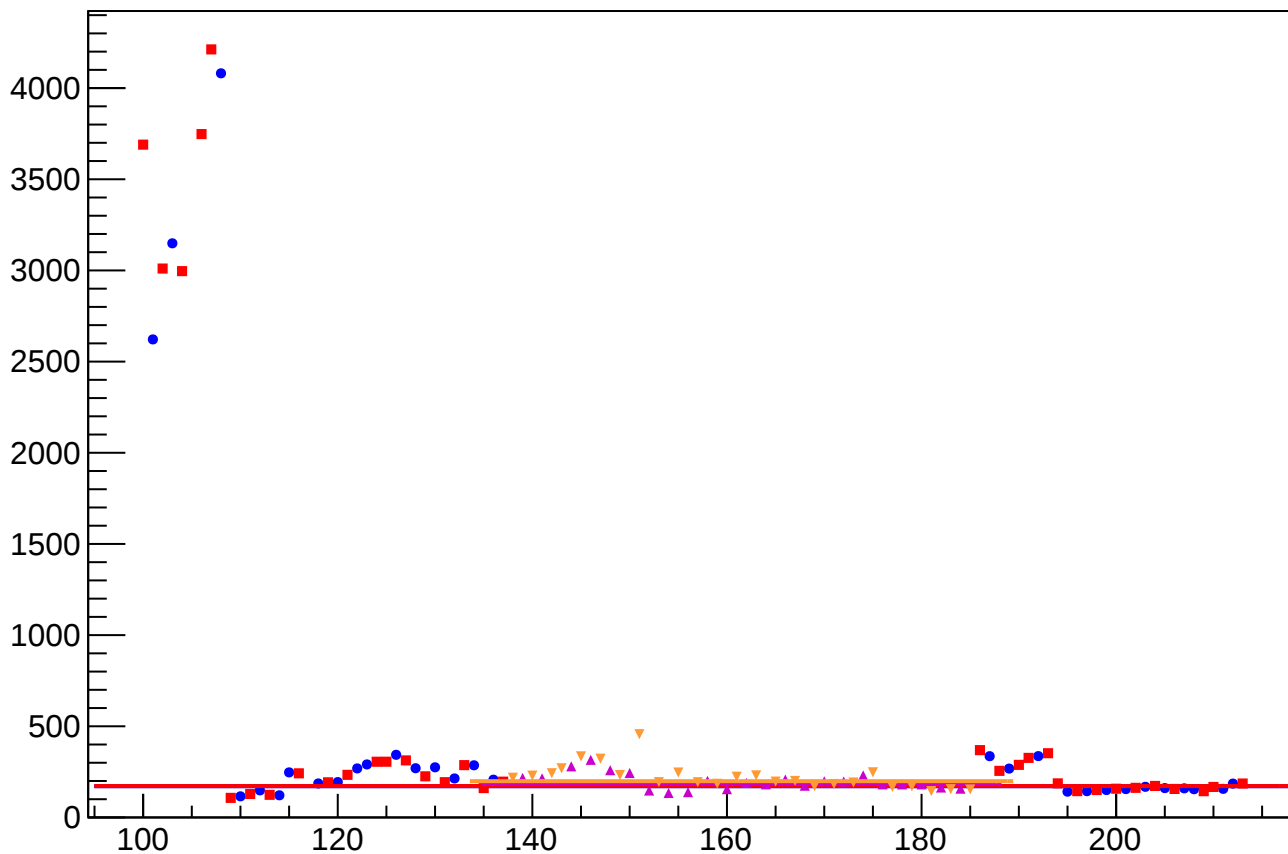
Right: -64.508 ± 32.756 χ^2/NDF : 43.7/63

In: -17.834 ± 32.698 χ^2/NDF : 31.6/52

Out: -40.422 ± 33.288 χ^2/NDF : 30.9/58

All: -28.926 ± 23.327 χ^2/NDF : 62.7/111

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.148+/-0.033 χ^2/NDF : 4539470.6/29

Left Out: 198.997+/-0.034 χ^2/NDF : 1877636.0/24

Right Out: 172.167+/-0.033 χ^2/NDF : 5420056.4/33

Left In: 183.442+/-0.032 χ^2/NDF : 1412341.8/22

Left: 190.847+/-0.023 χ^2/NDF : 3399302.2/47

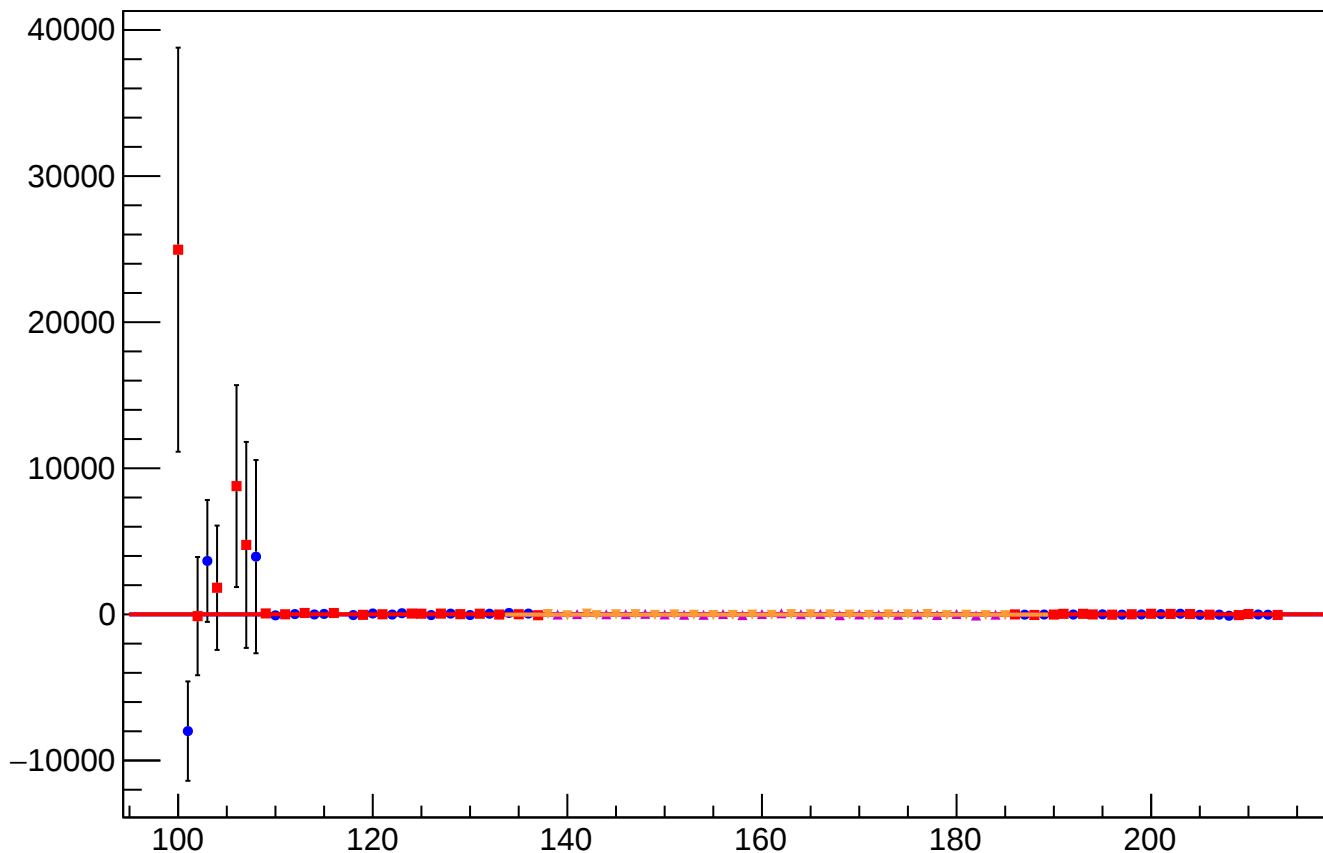
Right: 171.664+/-0.023 χ^2/NDF : 9960011.0/63

In: 177.385+/-0.023 χ^2/NDF : 6022469.2/52

Out: 184.987+/-0.024 χ^2/NDF : 7621850.3/58

All: 181.118+/-0.016 χ^2/NDF : 13697408.7/111

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.338 ± 7.188 χ^2/NDF : 34.5/29

Left Out: -15.829 ± 6.733 χ^2/NDF : 16.5/24

Right Out: 9.140 ± 7.010 χ^2/NDF : 32.7/33

Left In: -0.498 ± 6.937 χ^2/NDF : 26.1/22

Left: -8.392 ± 4.831 χ^2/NDF : 45.1/47

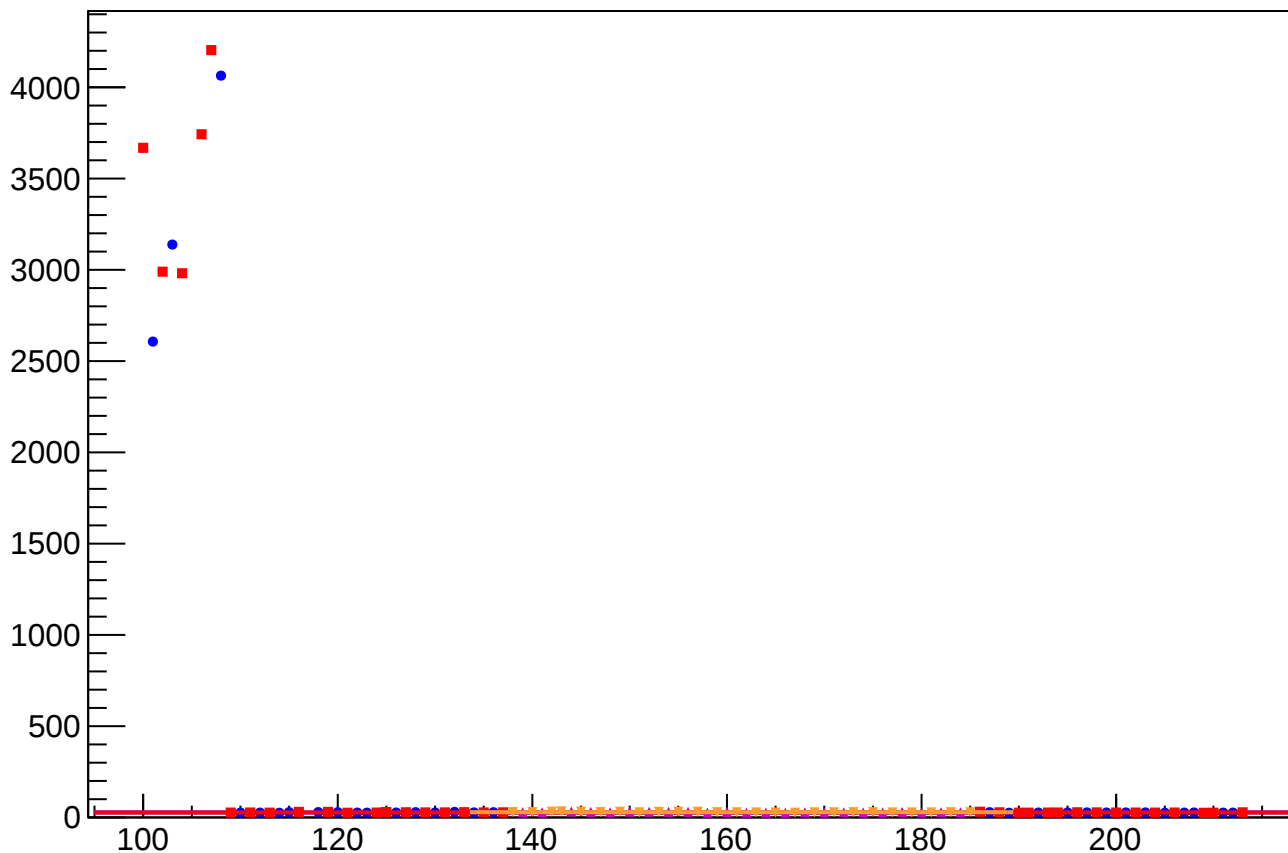
Right: 3.058 ± 5.019 χ^2/NDF : 68.7/63

In: -1.867 ± 4.992 χ^2/NDF : 60.7/52

Out: -3.848 ± 4.856 χ^2/NDF : 55.8/58

All: -2.885 ± 3.481 χ^2/NDF : 116.5/111

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.302 $\pm$ 0.005 χ^2 /NDF: 3049891.9/29

Left Out: 28.814 $\pm$ 0.005 χ^2 /NDF: 122153.6/24

Right Out: 27.381 $\pm$ 0.005 χ^2 /NDF: 3517364.9/33

Left In: 28.797 $\pm$ 0.005 χ^2 /NDF: 128279.2/22

Left: 28.806 $\pm$ 0.003 χ^2 /NDF: 250439.0/47

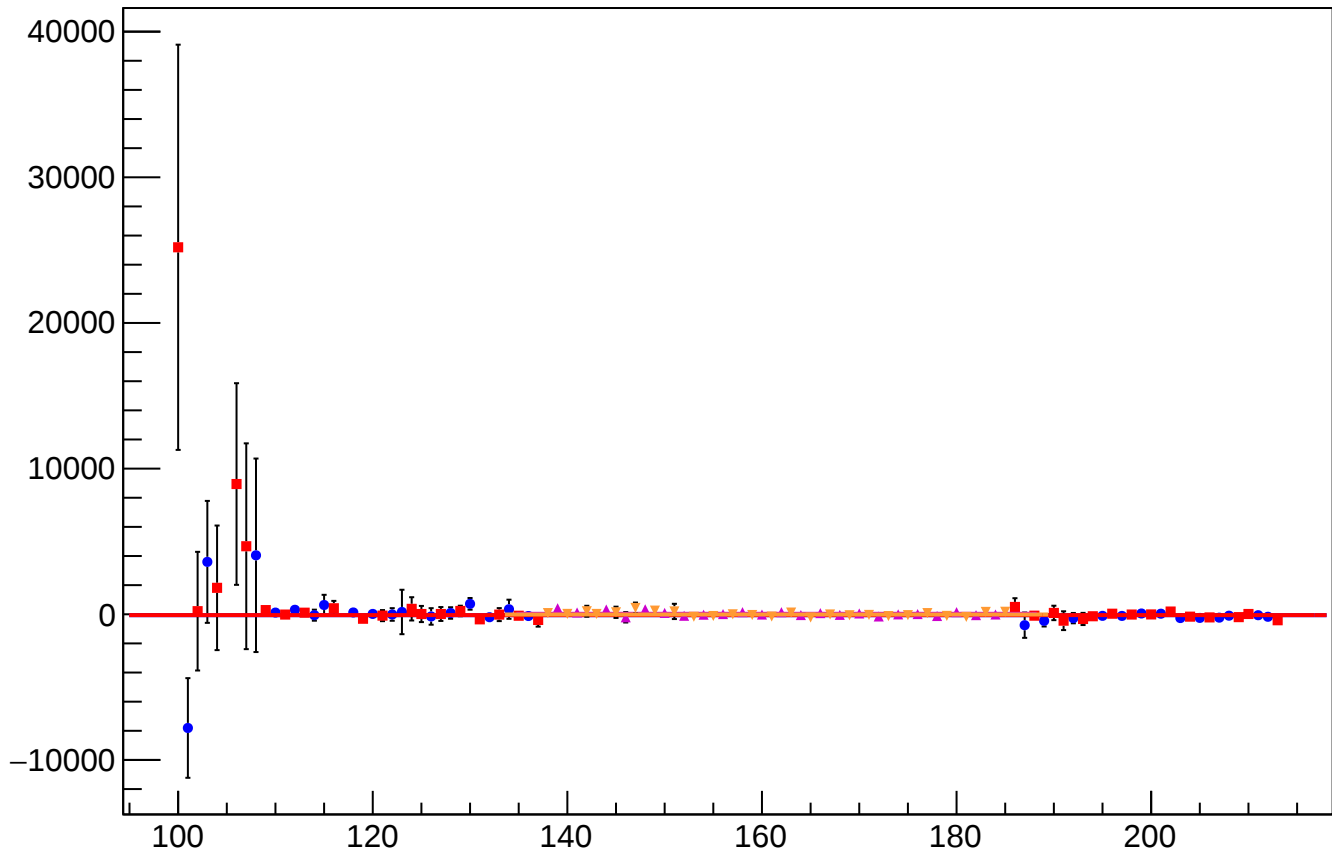
Right: 27.342 $\pm$ 0.004 χ^2 /NDF: 6567381.9/63

In: 28.076 $\pm$ 0.004 χ^2 /NDF: 3223001.7/52

Out: 28.127 $\pm$ 0.003 χ^2 /NDF: 3682998.5/58

All: 28.102 $\pm$ 0.002 χ^2 /NDF: 6906105.2/111

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -62.908 ± 46.909 χ^2/NDF : 22.3/29

Left Out: -13.966 ± 48.735 χ^2/NDF : 8.1/24

Right Out: -57.336 ± 46.398 χ^2/NDF : 21.0/33

Left In: 31.477 ± 46.483 χ^2/NDF : 7.8/22

Left: 9.830 ± 33.637 χ^2/NDF : 16.4/47

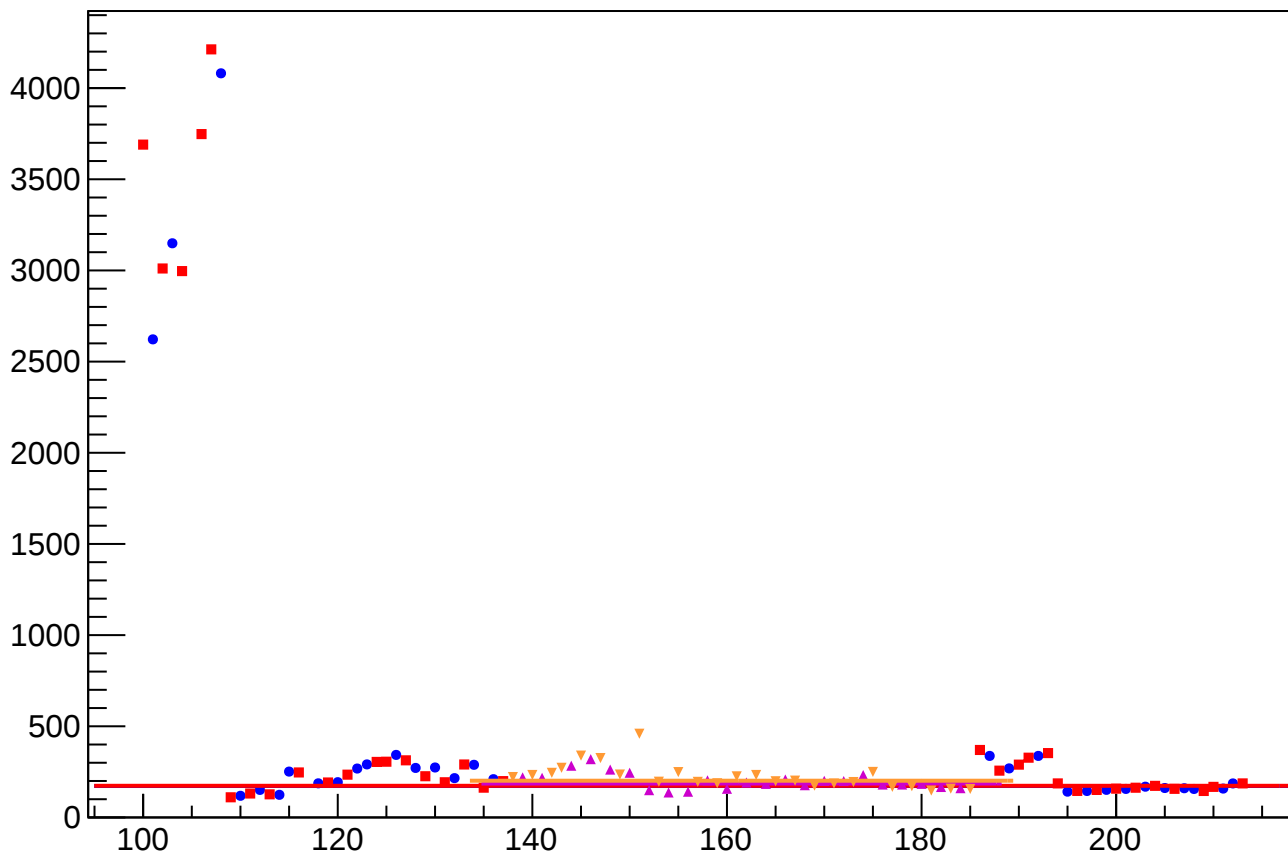
Right: -60.092 ± 32.987 χ^2/NDF : 43.3/63

In: -15.285 ± 33.018 χ^2/NDF : 32.2/52

Out: -36.716 ± 33.604 χ^2/NDF : 29.6/58

All: -25.812 ± 23.552 χ^2/NDF : 62.0/111

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.433+/-0.033 χ^2/NDF : 4507256.2/29

Left Out: 201.503+/-0.034 χ^2/NDF :1854905.1/24

Right Out: 173.608+/-0.033 χ^2/NDF : 5360354.9/33

Left In: 185.878+/-0.033 χ^2/NDF :1380877.6/22

Left: 193.321+/-0.024 χ^2/NDF : 3343425.2/47

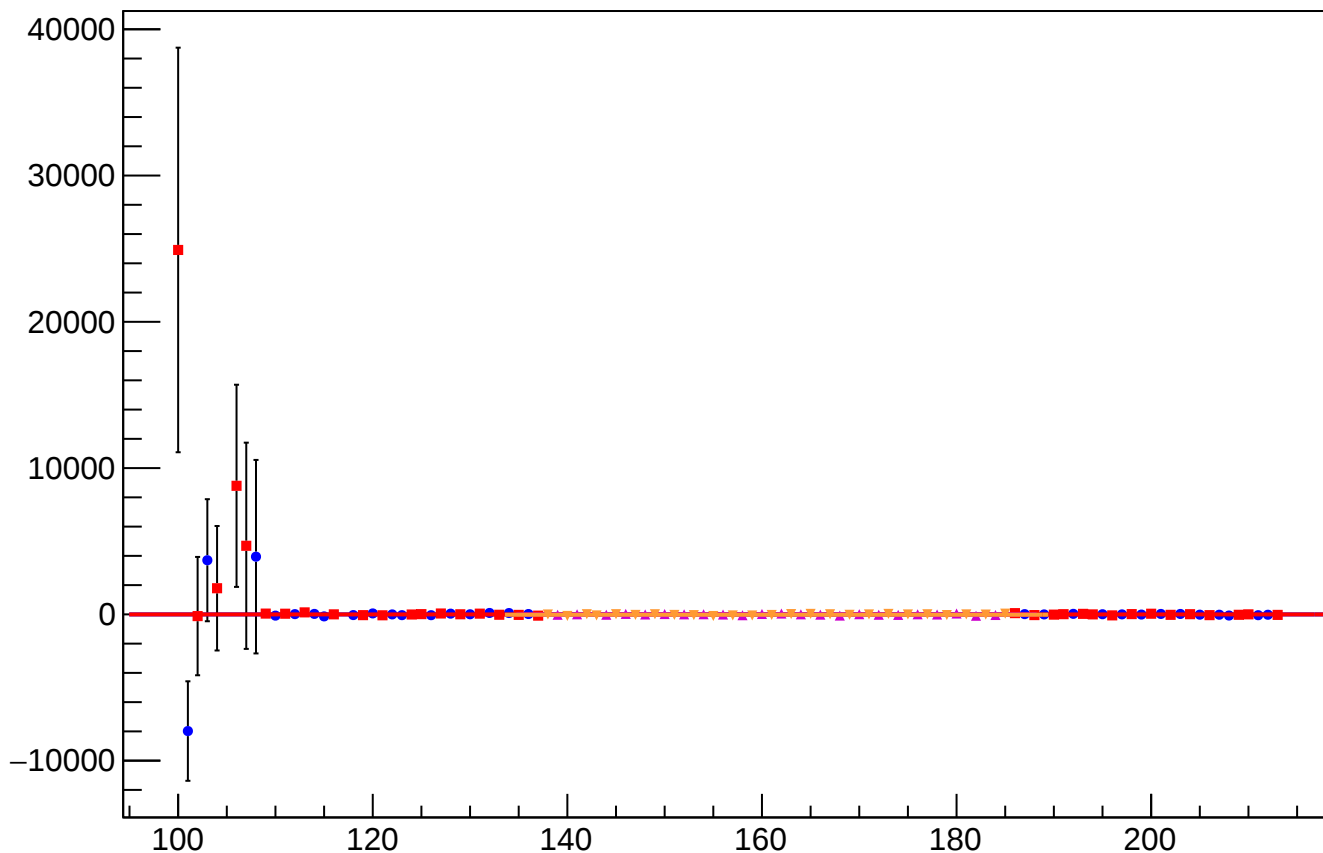
Right: 173.027+/-0.023 χ^2/NDF : 9868246.0/63

In: 179.217+/-0.023 χ^2/NDF :5971043.9/52

Out: 186.871+/-0.024 χ^2/NDF :7558956.7/58

All: 182.976+/-0.017 χ^2/NDF : 13582788.3/11

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -2.823 ± 8.784 χ^2/NDF : 29.3/29

Left Out: -24.144 ± 8.076 χ^2/NDF : 24.9/24

Right Out: -2.417 ± 8.556 χ^2/NDF : 35.6/33

Left In: -5.924 ± 8.340 χ^2/NDF : 21.0/22

Left: -15.326 ± 5.802 χ^2/NDF : 48.4/47

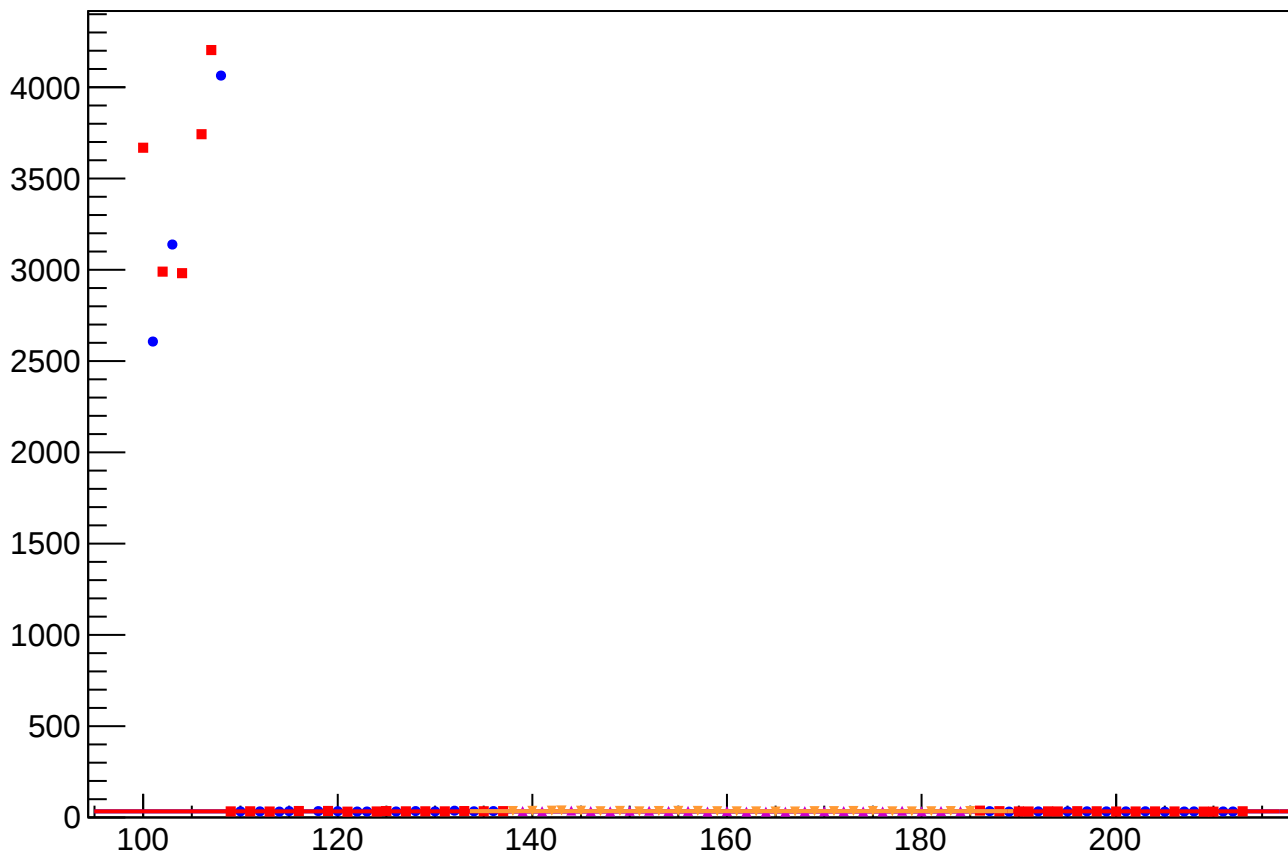
Right: -2.615 ± 6.129 χ^2/NDF : 64.9/63

In: -4.454 ± 6.048 χ^2/NDF : 50.4/52

Out: -13.907 ± 5.873 χ^2/NDF : 63.9/58

All: -9.319 ± 4.213 χ^2/NDF : 115.5/111

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.384 $\pm$ 0.006 χ^2 /NDF: 3020179.8/29

Left Out: 34.617 $\pm$ 0.006 χ^2 /NDF: 57868.4/24

Right Out: 33.467 $\pm$ 0.006 χ^2 /NDF: 3474183.2/33

Left In: 34.682 $\pm$ 0.006 χ^2 /NDF: 59834.3/22

Left: 34.649 $\pm$ 0.004 χ^2 /NDF: 117764.0/47

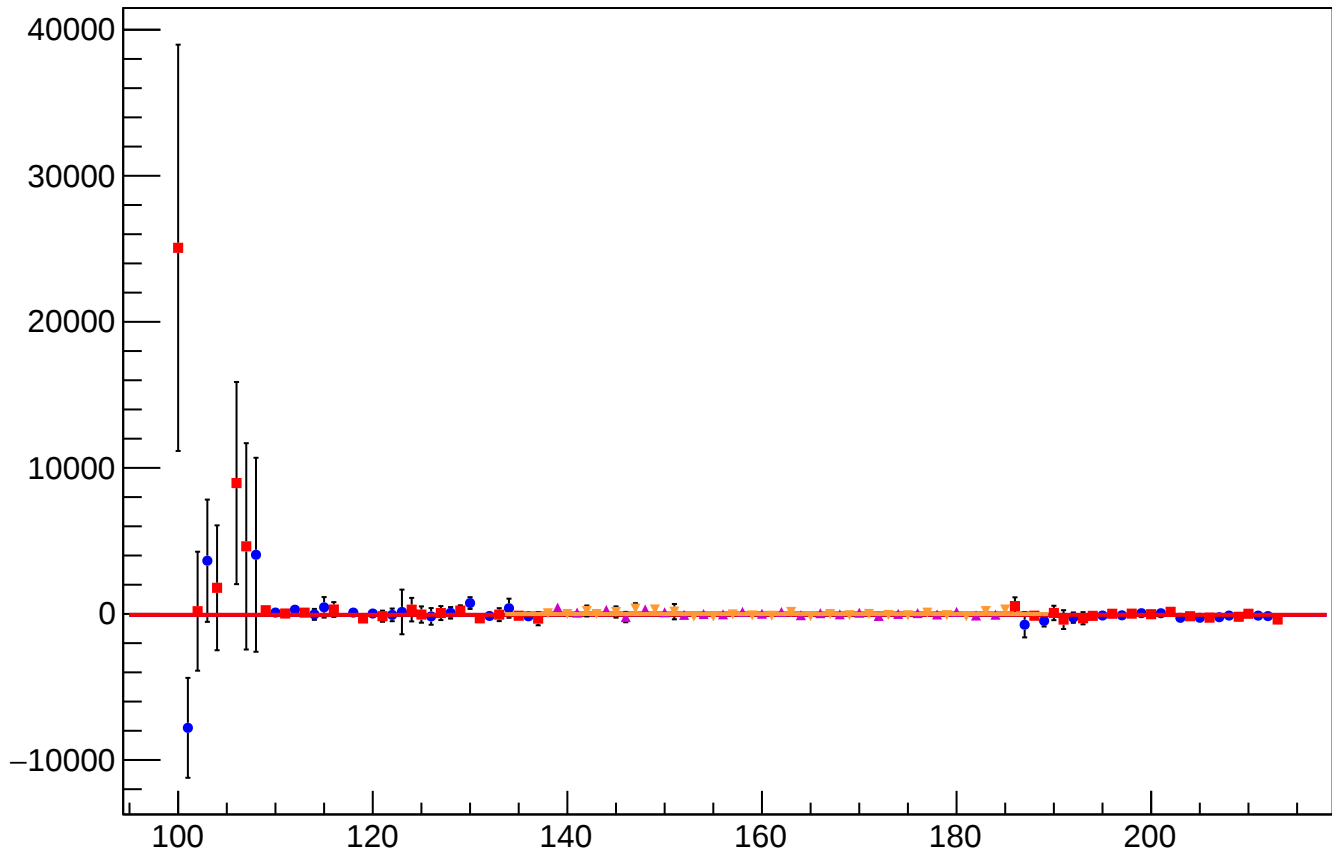
Right: 33.426 $\pm$ 0.004 χ^2 /NDF: 6494454.5/63

In: 34.066 $\pm$ 0.004 χ^2 /NDF: 3102981.3/52

Out: 34.075 $\pm$ 0.004 χ^2 /NDF: 3551182.7/58

All: 34.071 $\pm$ 0.003 χ^2 /NDF: 6654166.2/111

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -68.885 ± 46.770 $\chi^2/\text{NDF}: 21.8/29$

Left Out: -7.558 ± 48.662 $\chi^2/\text{NDF}: 8.8/24$

Right Out: -61.649 ± 46.228 $\chi^2/\text{NDF}: 19.4/33$

Left In: 34.977 ± 46.421 $\chi^2/\text{NDF}: 7.1/22$

Left: 14.712 ± 33.589 $\chi^2/\text{NDF}: 16.3/47$

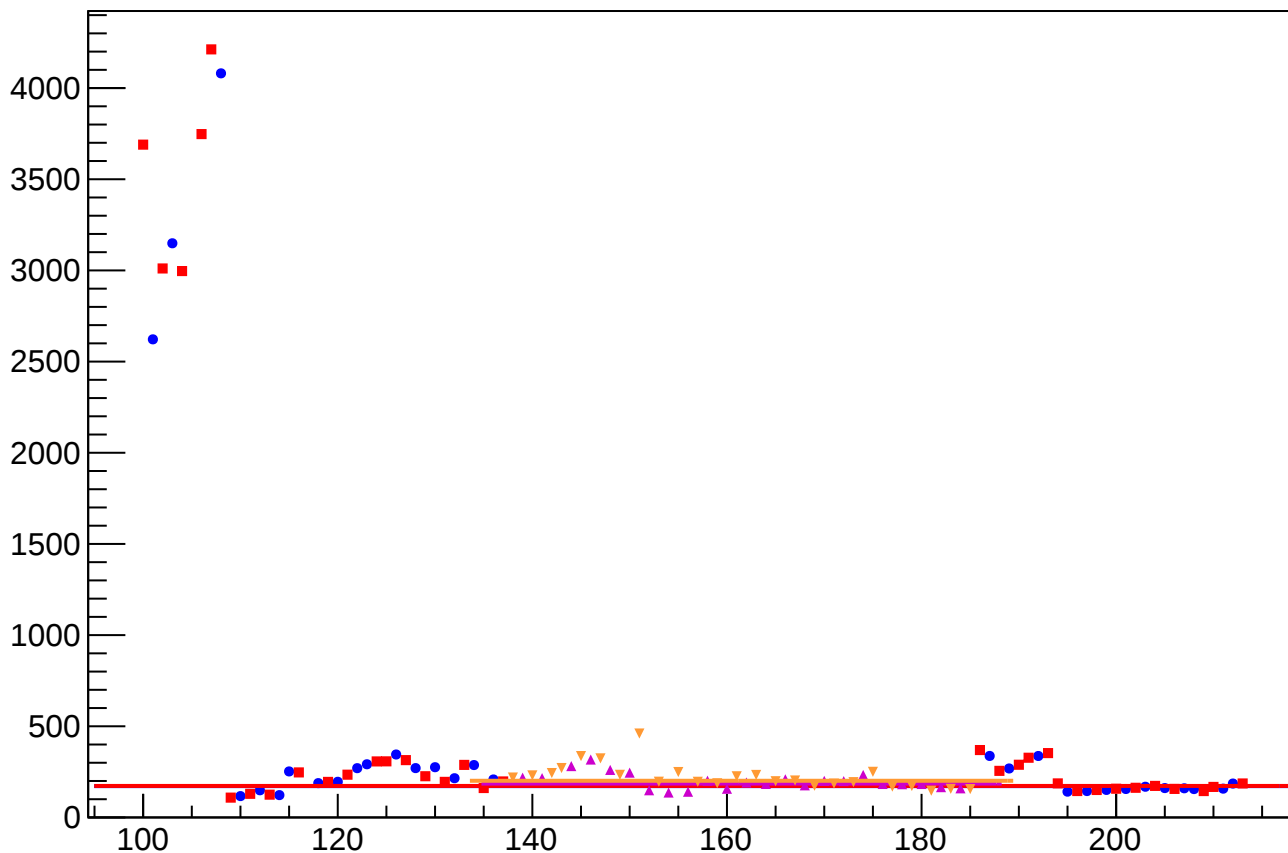
Right: -65.225 ± 32.878 $\chi^2/\text{NDF}: 41.3/63$

In: -16.564 ± 32.947 $\chi^2/\text{NDF}: 31.5/52$

Out: -35.990 ± 33.516 $\chi^2/\text{NDF}: 28.8/58$

All: -26.111 ± 23.496 $\chi^2/\text{NDF}: 60.4/111$

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.842 $\pm$ 0.033 χ^2 /NDF: 4535688.2/29

Left Out: 201.198 $\pm$ 0.034 χ^2 /NDF:1848437.4/24

Right Out: 172.817 $\pm$ 0.033 χ^2 /NDF: 5408420.5/33

Left In: 185.627 $\pm$ 0.033 χ^2 /NDF:1371411.2/22

Left: 193.046 $\pm$ 0.024 χ^2 /NDF: 3327061.1/47

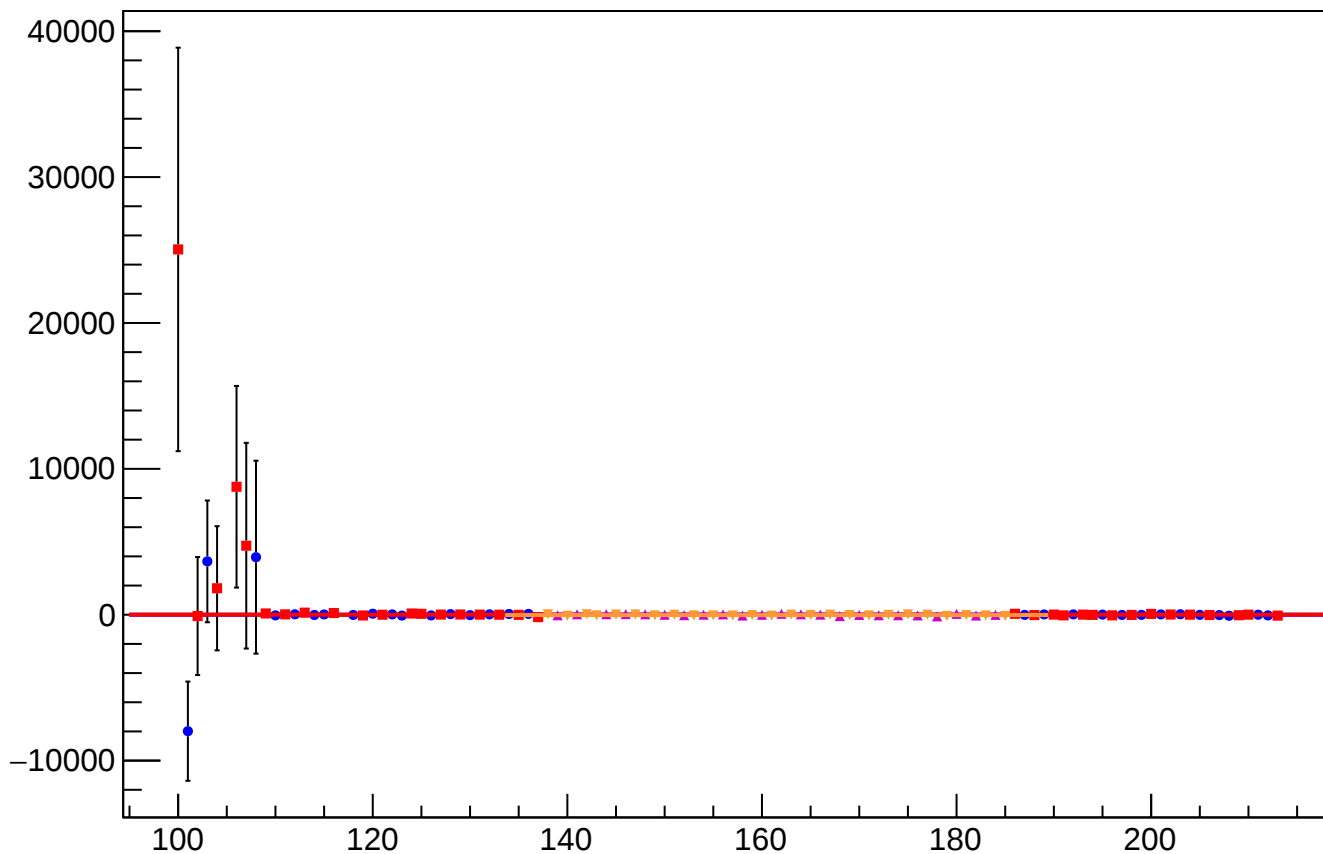
Right: 172.335 $\pm$ 0.023 χ^2 /NDF: 9944548.4/63

In: 178.787 $\pm$ 0.023 χ^2 /NDF:5994626.7/52

Out: 186.280 $\pm$ 0.024 χ^2 /NDF:7614458.6/58

All: 182.469 $\pm$ 0.017 χ^2 /NDF: 13659931.7/11

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.031 ± 7.951 $\chi^2/\text{NDF}: 24.0/29$

Left Out: -23.320 ± 7.352 $\chi^2/\text{NDF}: 18.3/24$

Right Out: 2.241 ± 7.745 $\chi^2/\text{NDF}: 41.5/33$

Left In: -6.386 ± 7.577 $\chi^2/\text{NDF}: 38.7/22$

Left: -15.108 ± 5.276 $\chi^2/\text{NDF}: 59.6/47$

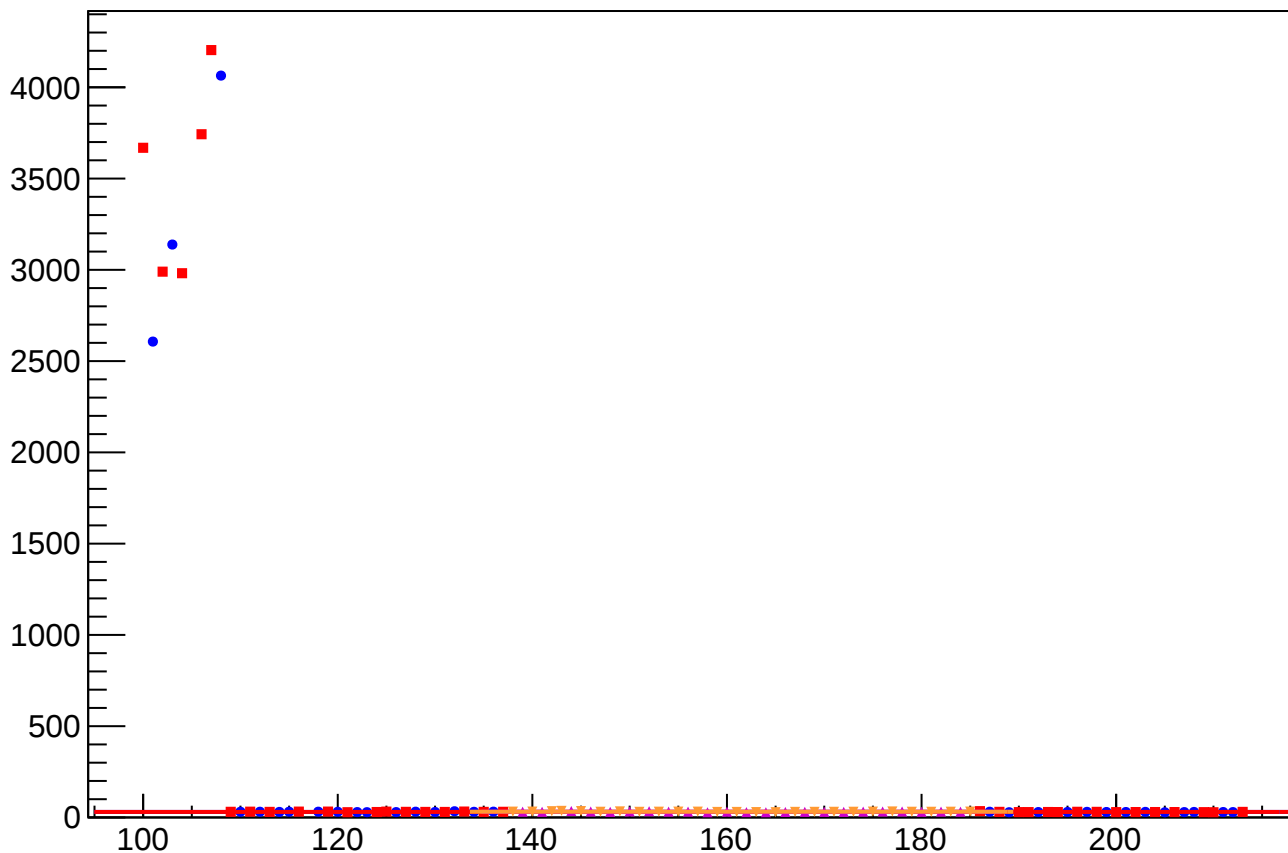
Right: 2.139 ± 5.548 $\chi^2/\text{NDF}: 65.5/63$

In: -2.380 ± 5.485 $\chi^2/\text{NDF}: 63.3/52$

Out: -11.204 ± 5.332 $\chi^2/\text{NDF}: 65.5/58$

All: -6.917 ± 3.823 $\chi^2/\text{NDF}: 130.2/111$

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.207 $\pm$ 0.006 χ^2 /NDF: 3038373.6/29

Left Out: 31.488 $\pm$ 0.005 χ^2 /NDF:81938.2/24

Right Out: 30.268 $\pm$ 0.005 χ^2 /NDF: 3492211.6/33

Left In: 31.475 $\pm$ 0.005 χ^2 /NDF:87797.5/22

Left: 31.482 $\pm$ 0.004 χ^2 /NDF: 169738.8/47

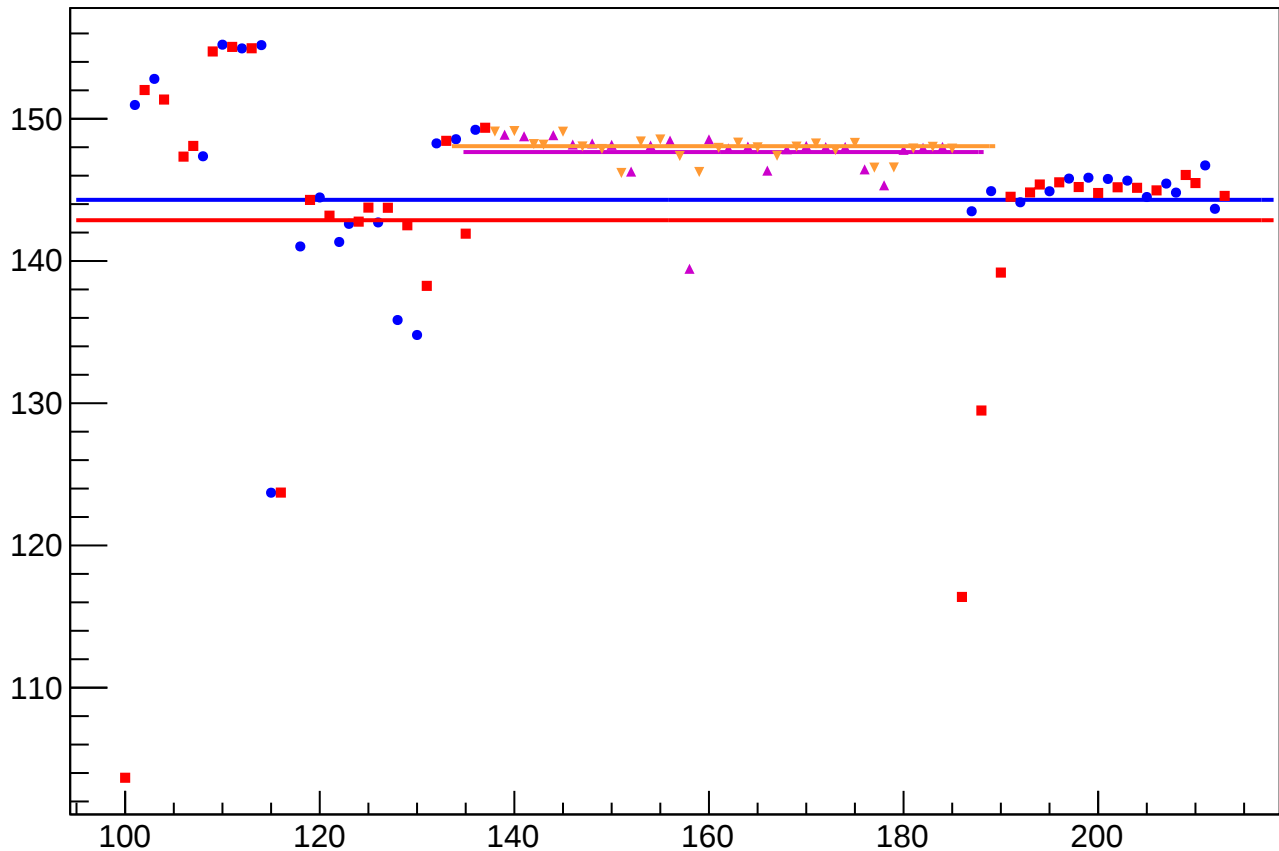
Right: 30.239 $\pm$ 0.004 χ^2 /NDF: 6530644.7/63

In: 30.872 $\pm$ 0.004 χ^2 /NDF:3152825.5/52

Out: 30.910 $\pm$ 0.004 χ^2 /NDF:3600275.1/58

All: 30.891 $\pm$ 0.003 χ^2 /NDF: 6753149.9/111

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.301 $\pm$ 0.000 χ^2 /NDF: 3501045924.3/29

Left Out: 148.074 $\pm$ 0.000 χ^2 /NDF: 65673678.9/24

Right Out: 142.868 $\pm$ 0.000 χ^2 /NDF: 7450633308.5/33

Left In: 147.660 $\pm$ 0.000 χ^2 /NDF: 343892338.9/22

Left: 147.875 $\pm$ 0.000 χ^2 /NDF: 417177881.5/47

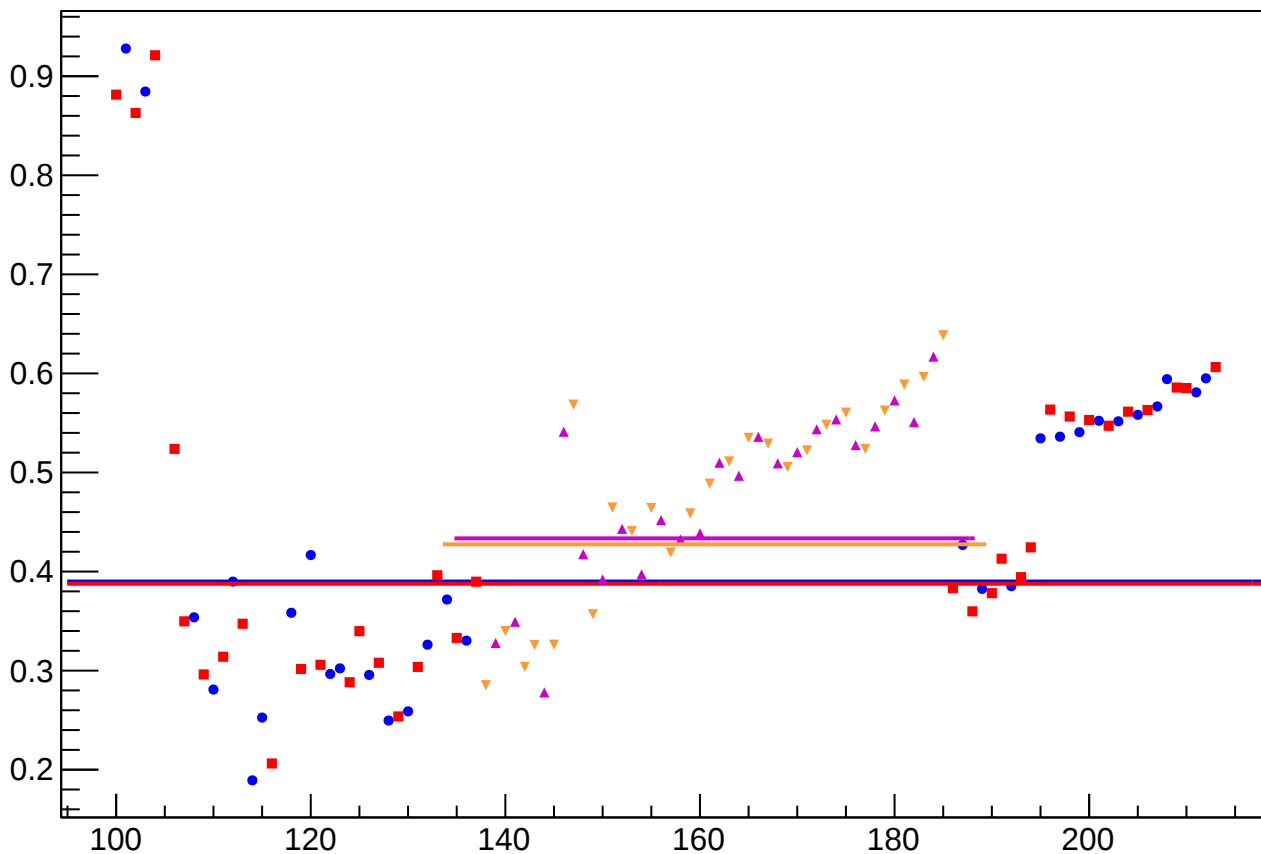
Right: 143.546 $\pm$ 0.000 χ^2 /NDF: 11047805595.0/63

In: 145.952 $\pm$ 0.000 χ^2 /NDF: 4337853476.6/52

Out: 145.386 $\pm$ 0.000 χ^2 /NDF: 8812194456.1/58

All: 145.656 $\pm$ 0.000 χ^2 /NDF: 13179274668.0

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.390 $\pm$ 0.000 χ^2 /NDF: 3234996.3/29

Left Out: 0.428 $\pm$ 0.000 χ^2 /NDF:1892802.8/24

Right Out: 0.388 $\pm$ 0.000 χ^2 /NDF: 3075457.2/33

Left In: 0.434 $\pm$ 0.000 χ^2 /NDF:1479367.0/22

Left: 0.430 $\pm$ 0.000 χ^2 /NDF: 3375366.2/47

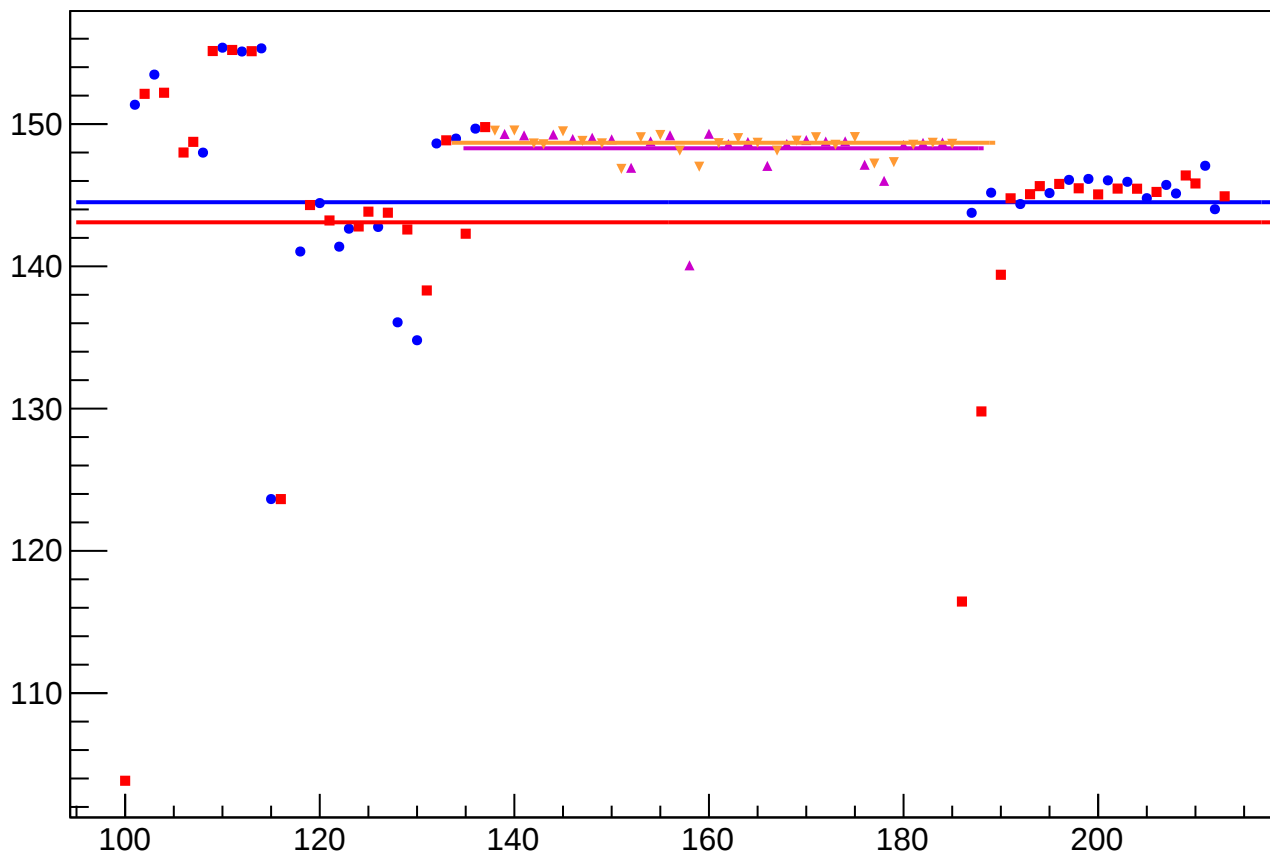
Right: 0.389 $\pm$ 0.000 χ^2 /NDF: 6310911.9/63

In: 0.411 $\pm$ 0.000 χ^2 /NDF:4880332.6/52

Out: 0.407 $\pm$ 0.000 χ^2 /NDF:5119847.6/58

All: 0.409 $\pm$ 0.000 χ^2 /NDF: 10003673.0/111

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.508 $\pm$ 0.000 χ^2 /NDF: 3550961875.5/29

Left Out: 148.687 $\pm$ 0.000 χ^2 /NDF: 52285197.5/24

Right Out: 143.095 $\pm$ 0.000 χ^2 /NDF: 7402313816.5/33

Left In: 148.298 $\pm$ 0.000 χ^2 /NDF: 332527463.6/22

Left: 148.500 $\pm$ 0.000 χ^2 /NDF: 391414535.1/47

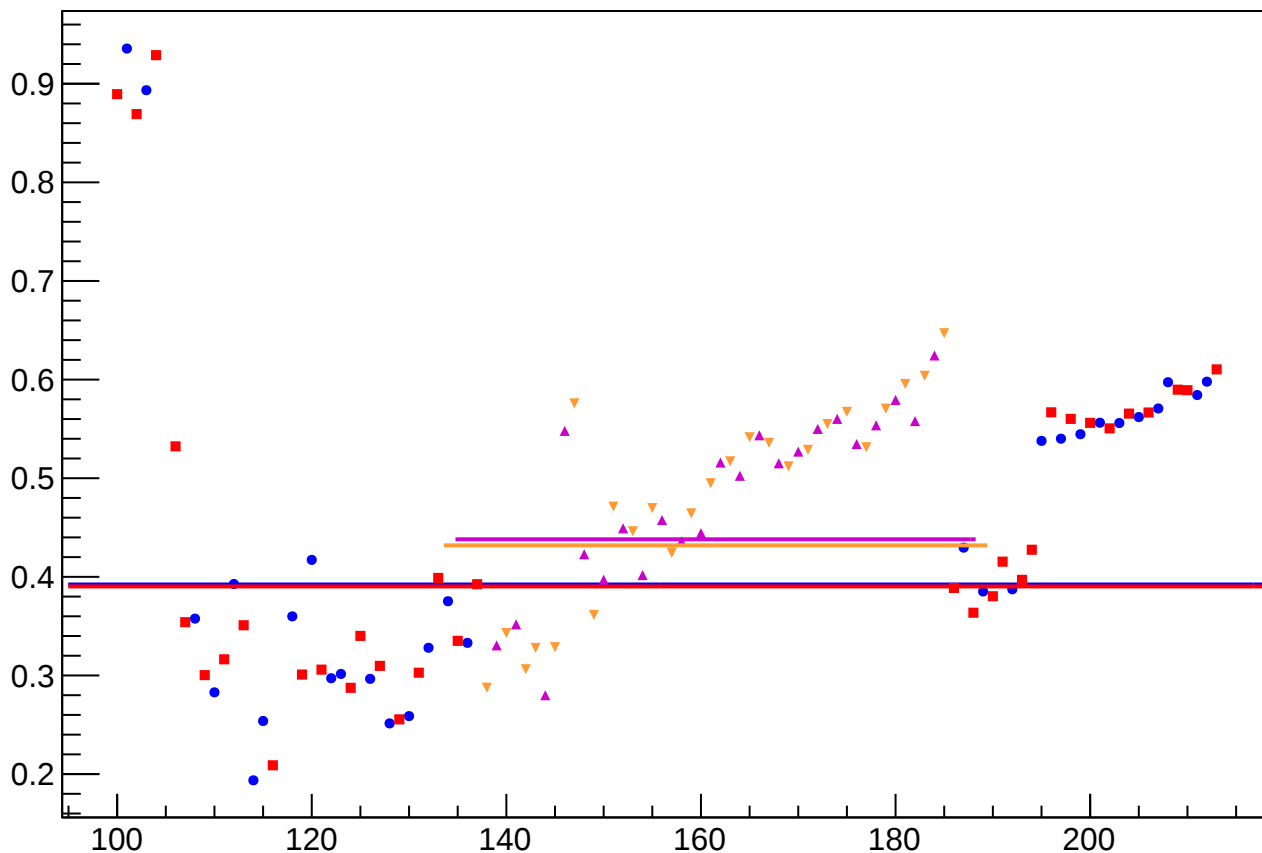
Right: 143.764 $\pm$ 0.000 χ^2 /NDF: 11045500677.8/63

In: 146.361 $\pm$ 0.000 χ^2 /NDF: 4500309126.8/52

Out: 145.789 $\pm$ 0.000 χ^2 /NDF: 8923784262.6/58

All: 146.062 $\pm$ 0.000 χ^2 /NDF: 13453504681.0

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.392 $\pm$ 0.000 χ^2 /NDF: 3241823.3/29

Left Out: 0.432 $\pm$ 0.000 χ^2 /NDF:1924979.0/24

Right Out: 0.390 $\pm$ 0.000 χ^2 /NDF: 3079538.6/33

Left In: 0.438 $\pm$ 0.000 χ^2 /NDF:1504635.6/22

Left: 0.435 $\pm$ 0.000 χ^2 /NDF: 3432903.3/47

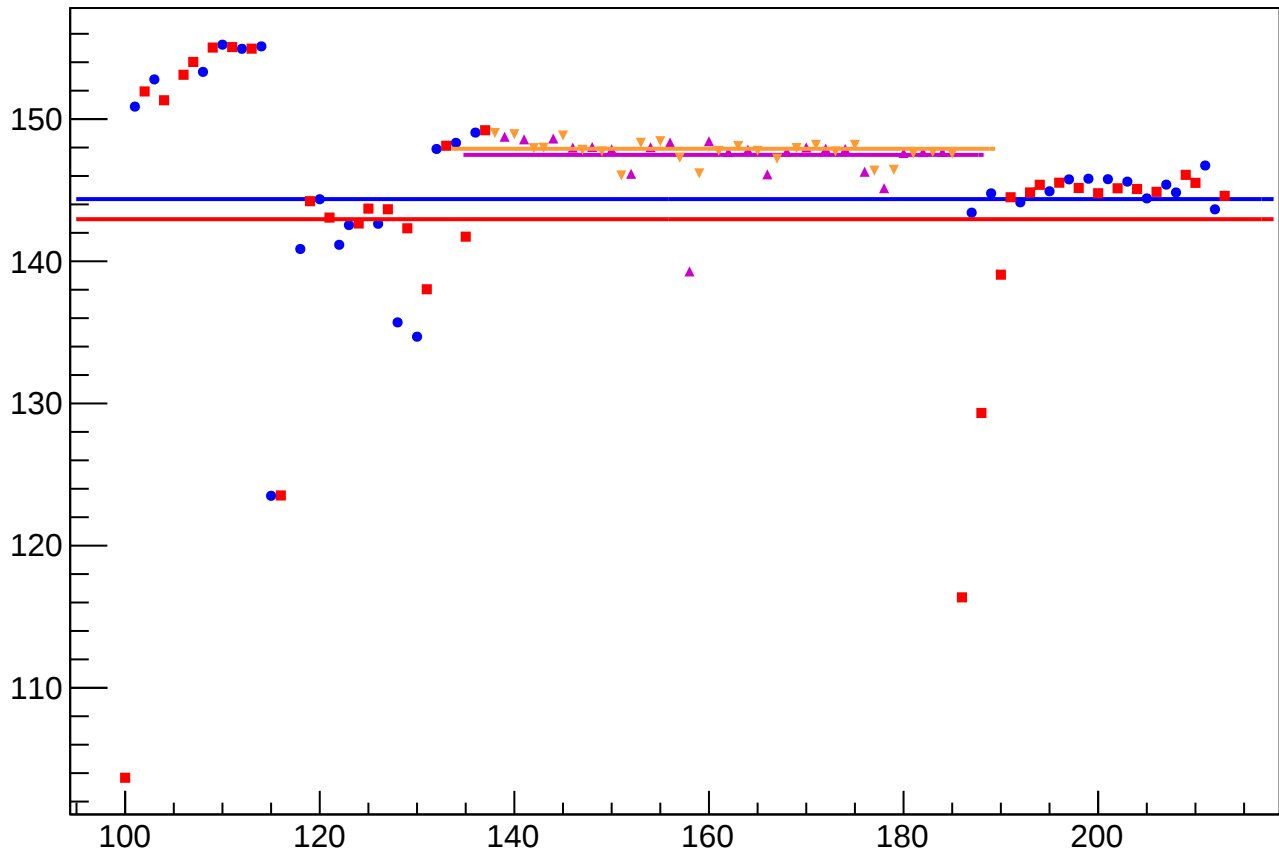
Right: 0.391 $\pm$ 0.000 χ^2 /NDF: 6321719.4/63

In: 0.415 $\pm$ 0.000 χ^2 /NDF:4926719.6/52

Out: 0.410 $\pm$ 0.000 χ^2 /NDF:5167456.4/58

All: 0.412 $\pm$ 0.000 χ^2 /NDF: 10097511.8/111

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.373+/-0.000 χ^2/NDF : 3706452714.0/29

Left Out: 147.912+/-0.000 χ^2/NDF : 64463426.1/24

Right Out: 142.961+/-0.000 χ^2/NDF : 7825139414.0/33

Left In: 147.483+/-0.000 χ^2/NDF : 342674720.4/22

Left: 147.706+/-0.000 χ^2/NDF : 415263003.2/47

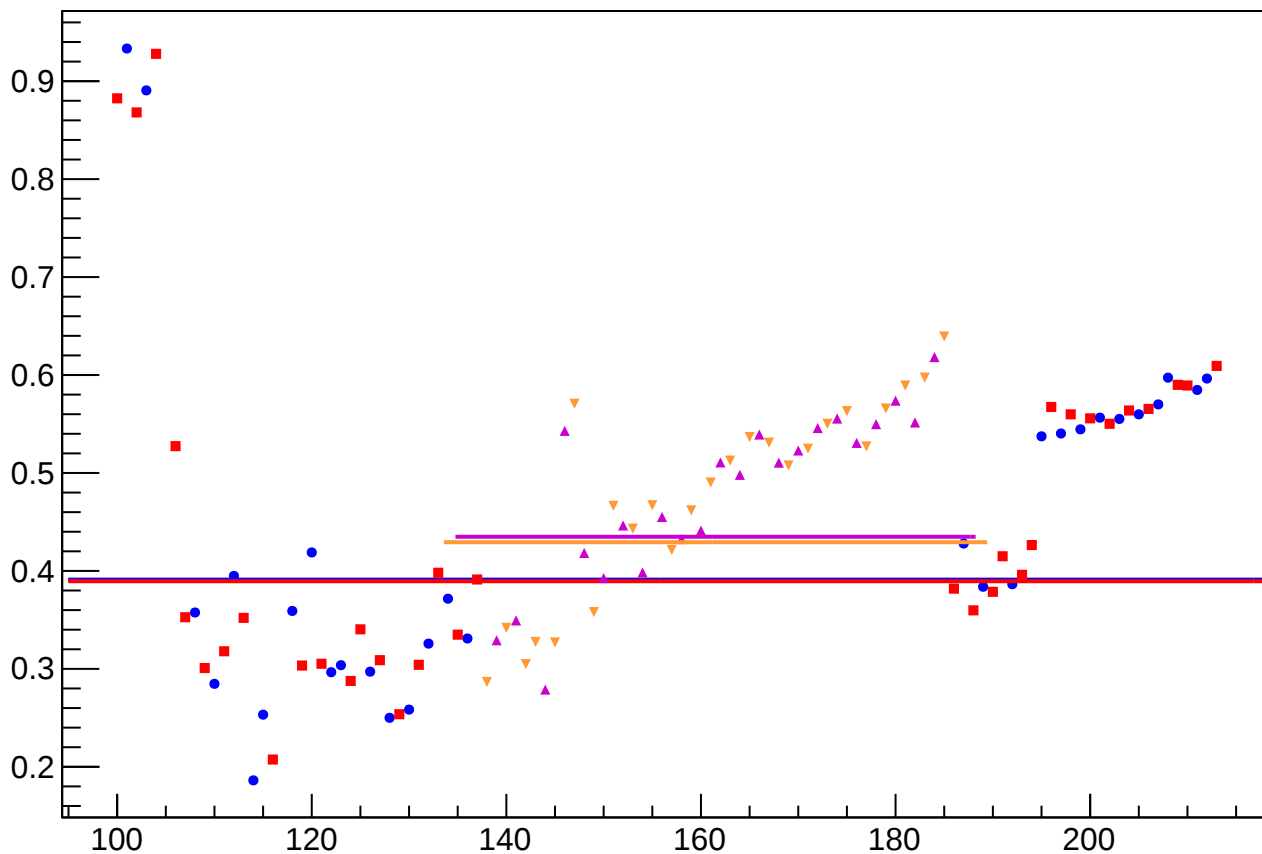
Right: 143.630+/-0.000 χ^2/NDF : 11624186267.0/63

In: 145.902+/-0.000 χ^2/NDF : 4468668037.4/52

Out: 145.357+/-0.000 χ^2/NDF : 9051503709.9/58

All: 145.617+/-0.000 χ^2/NDF : 13547125447.0/116

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.391+/-0.000 χ^2/NDF : 3270918.7/29

Left Out: 0.429+/-0.000 χ^2/NDF :1891709.3/24

Right Out: 0.389+/-0.000 χ^2/NDF : 3083336.0/33

Left In: 0.435+/-0.000 χ^2/NDF :1485915.1/22

Left: 0.432+/-0.000 χ^2/NDF : 3380372.0/47

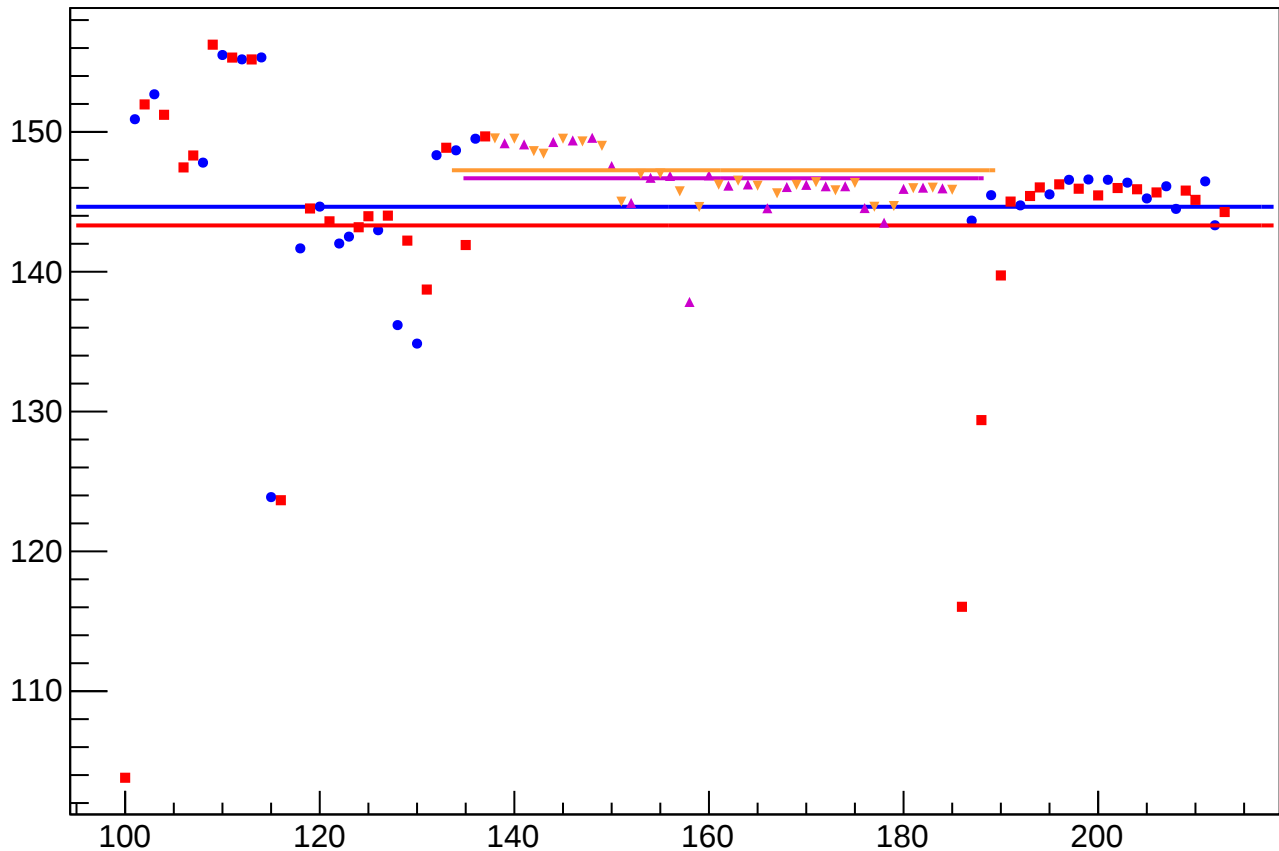
Right: 0.390+/-0.000 χ^2/NDF : 6354498.9/63

In: 0.413+/-0.000 χ^2/NDF :4923136.5/52

Out: 0.409+/-0.000 χ^2/NDF :5125458.8/58

All: 0.411+/-0.000 χ^2/NDF : 10051309.6/111

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.647 ± 0.000 χ^2/NDF : 3229501832.7/29

Left Out: 147.257 ± 0.000 χ^2/NDF : 261906278.3/24

Right Out: 143.311 ± 0.000 χ^2/NDF : 7143733487.8/33

Left In: 146.685 ± 0.000 χ^2/NDF : 554922388.0/22

Left: 146.981 ± 0.000 χ^2/NDF : 830580031.2/47

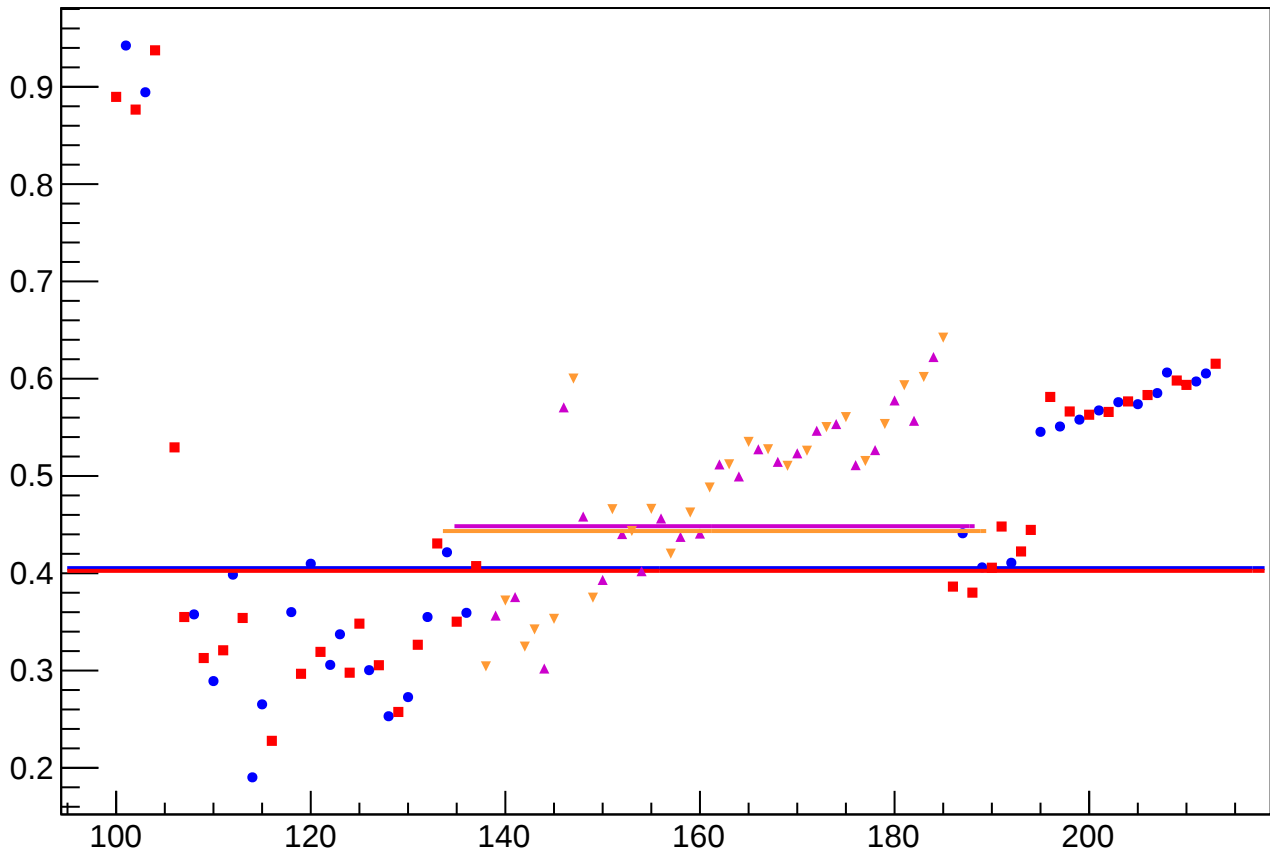
Right: 143.943 ± 0.000 χ^2/NDF : 10450506645.5/63

In: 145.659 ± 0.000 χ^2/NDF : 3953980566.7/52

Out: 145.232 ± 0.000 χ^2/NDF : 8100436052.8/58

All: 145.436 ± 0.000 χ^2/NDF : 12069964754.0/116

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.405 $\pm$ 0.000 χ^2 /NDF: 3165620.2/29

Left Out: 0.443 $\pm$ 0.000 χ^2 /NDF:1480479.3/24

Right Out: 0.402 $\pm$ 0.000 χ^2 /NDF: 2975695.8/33

Left In: 0.448 $\pm$ 0.000 χ^2 /NDF:1120261.8/22

Left: 0.446 $\pm$ 0.000 χ^2 /NDF: 2602838.0/47

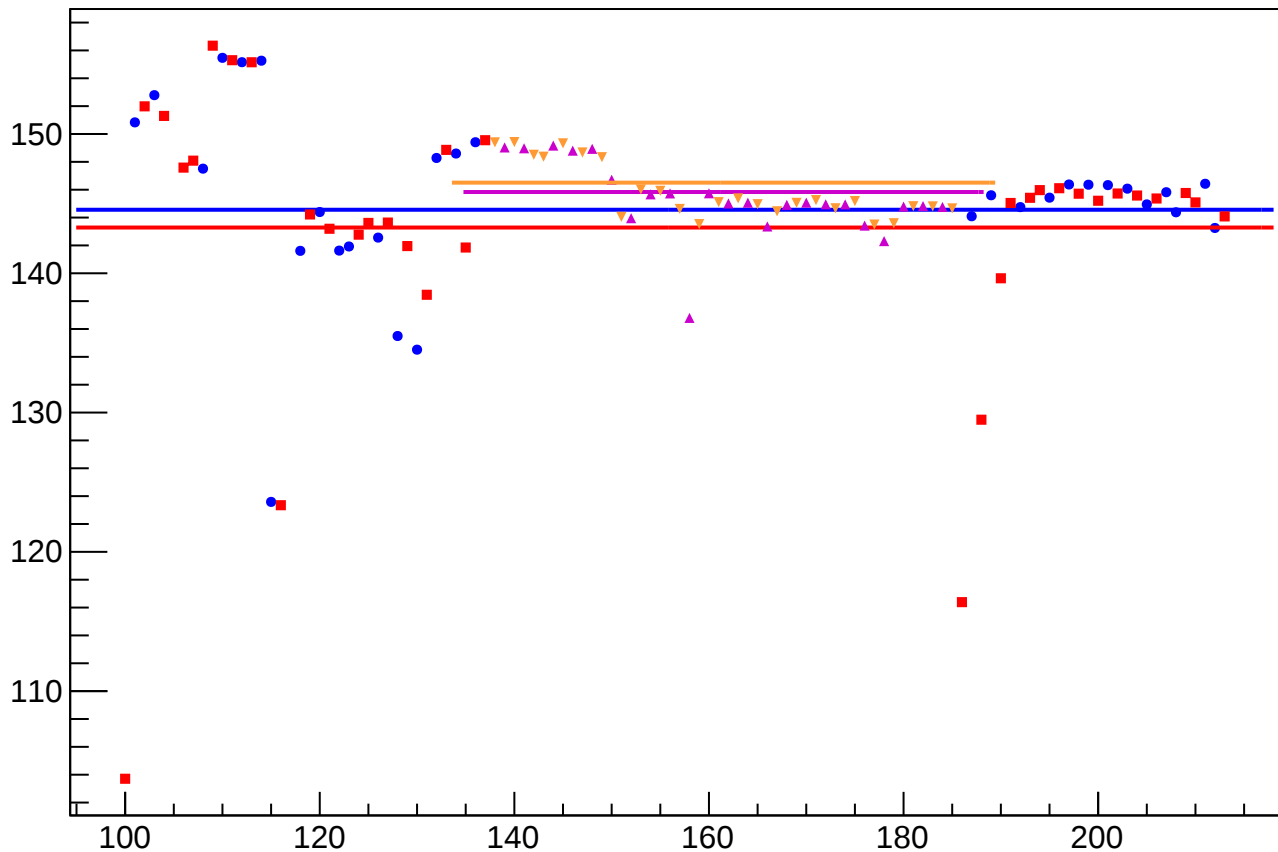
Right: 0.404 $\pm$ 0.000 χ^2 /NDF: 6141995.9/63

In: 0.427 $\pm$ 0.000 χ^2 /NDF:4437535.4/52

Out: 0.422 $\pm$ 0.000 χ^2 /NDF:4605489.6/58

All: 0.424 $\pm$ 0.000 χ^2 /NDF: 9046174.2/111

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 144.561 $\pm$ 0.000 χ^2 /NDF: 3339371215.1/29

Left Out: 146.508 $\pm$ 0.000 χ^2 /NDF: 401248837.9/24

Right Out: 143.285 $\pm$ 0.000 χ^2 /NDF: 7096224142.5/33

Left In: 145.834 $\pm$ 0.000 χ^2 /NDF: 690172810.0/22

Left: 146.184 $\pm$ 0.000 χ^2 /NDF: 1110403123.5/47

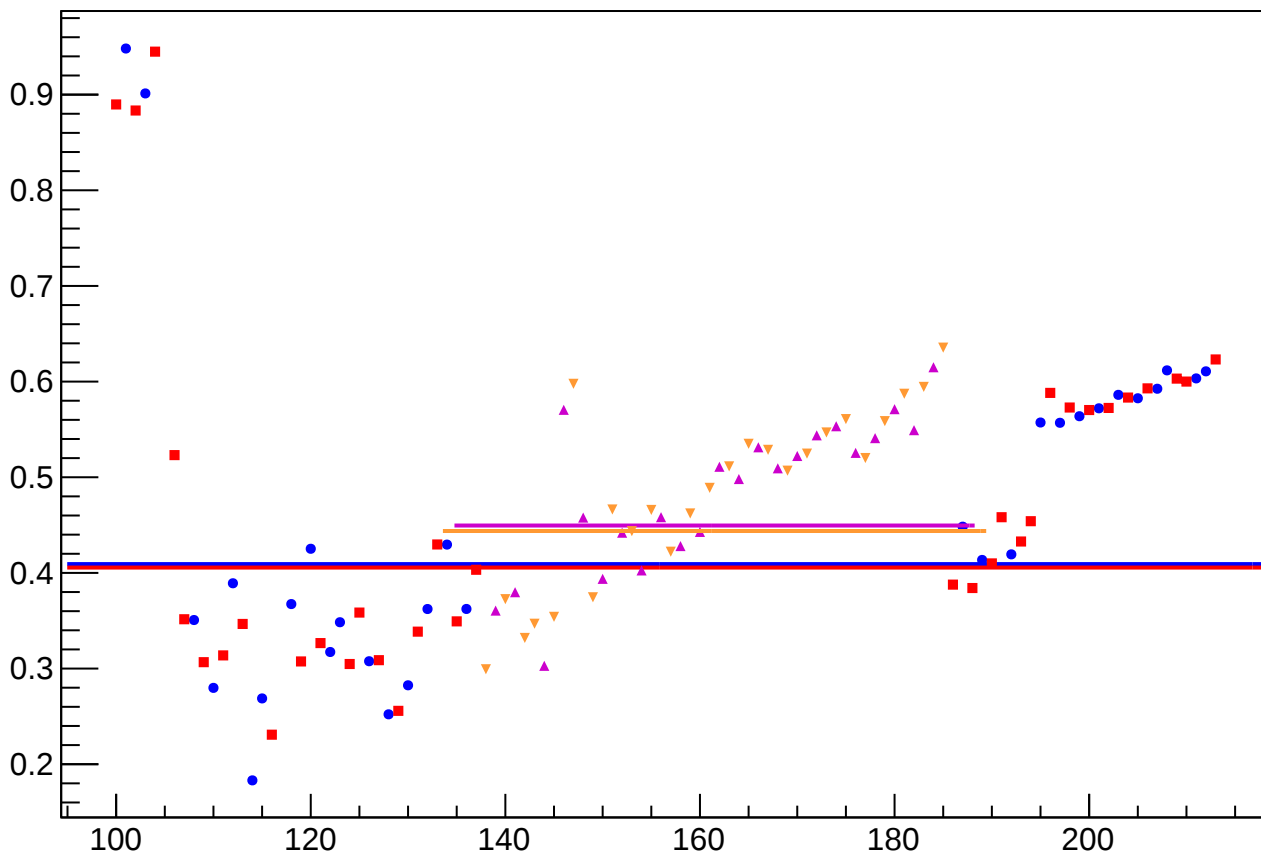
Right: 143.887 $\pm$ 0.000 χ^2 /NDF: 10504768210.1/63

In: 145.199 $\pm$ 0.000 χ^2 /NDF: 4094751059.1/52

Out: 144.867 $\pm$ 0.000 χ^2 /NDF: 7956397859.7/58

All: 145.025 $\pm$ 0.000 χ^2 /NDF: 12060446217.0/116

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.409 $\pm$ 0.000 χ^2 /NDF: 3214266.2/29

Left Out: 0.444 $\pm$ 0.000 χ^2 /NDF:1460383.7/24

Right Out: 0.406 $\pm$ 0.000 χ^2 /NDF: 3013430.7/33

Left In: 0.450 $\pm$ 0.000 χ^2 /NDF:1092776.5/22

Left: 0.447 $\pm$ 0.000 χ^2 /NDF: 2555905.8/47

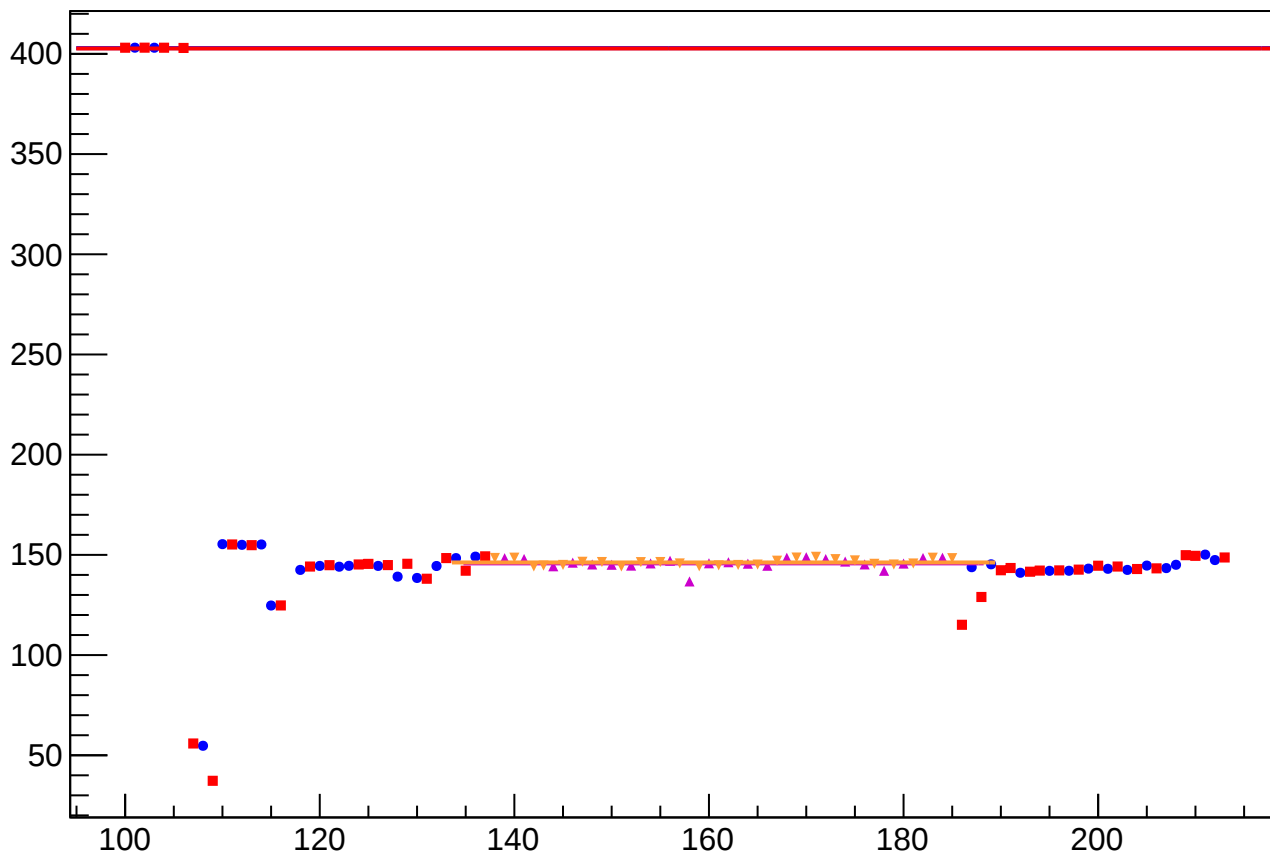
Right: 0.407 $\pm$ 0.000 χ^2 /NDF: 6228815.8/63

In: 0.429 $\pm$ 0.000 χ^2 /NDF:4437911.6/52

Out: 0.424 $\pm$ 0.000 χ^2 /NDF:4602861.2/58

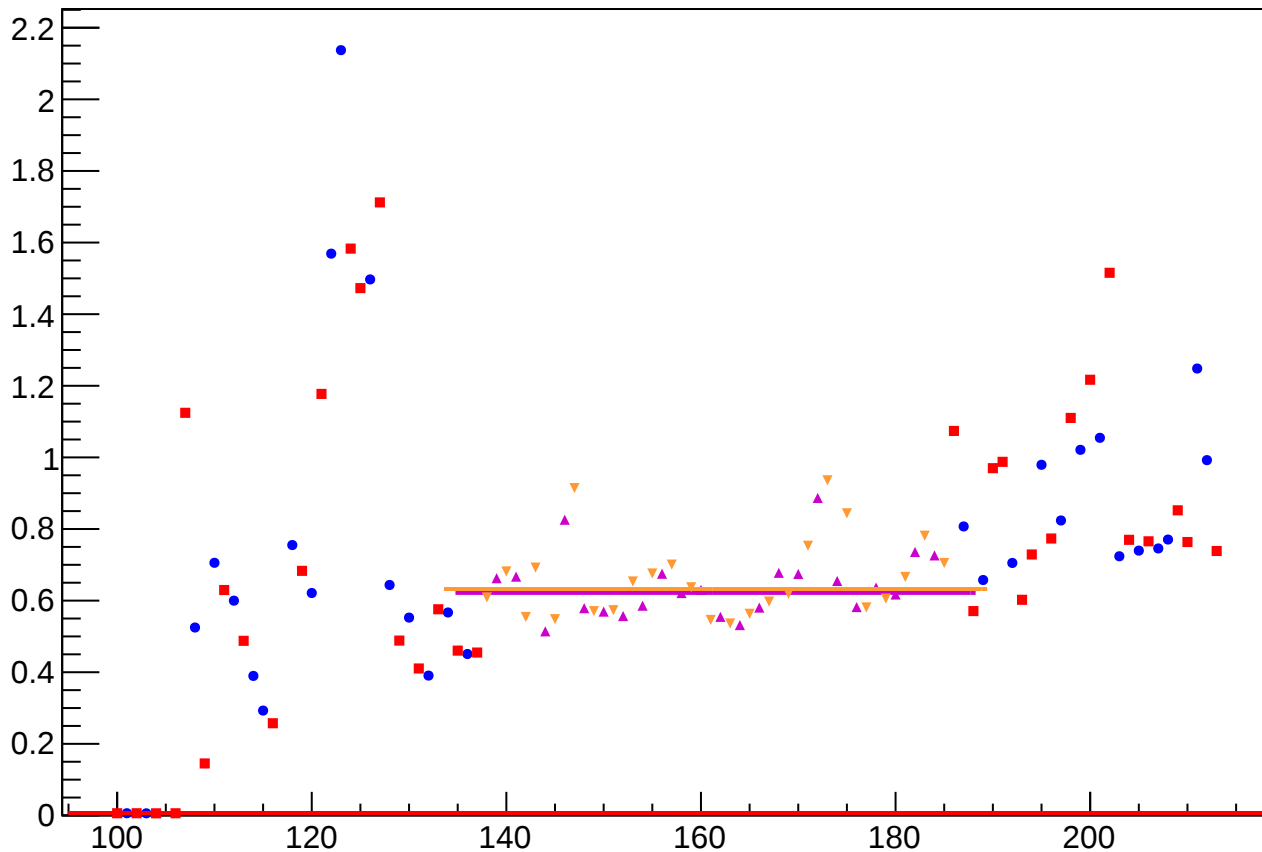
All: 0.427 $\pm$ 0.000 χ^2 /NDF: 9045106.6/111

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.868+/-0.000	χ^2/NDF : 1820252243511.2/29	Left: 145.987+/-0.000	χ^2/NDF : 295994641.0/47
Left Out: 146.216+/-0.000	χ^2/NDF : 86042286.3/24	Right: 402.776+/-0.000	χ^2/NDF : 5886816050006.7
Right Out: 402.694+/-0.000	χ^2/NDF : 4066066385367.7/33	In: 402.577+/-0.000	χ^2/NDF : 4150898644992.4/52
Left In: 145.755+/-0.000	χ^2/NDF : 206171532.0/22	Out: 402.434+/-0.000	χ^2/NDF : 6422843298512.0/5
		All: 402.501+/-0.000	χ^2/NDF : 105740806297

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 23810141.8/29

Left Out: 0.632 $\pm$ 0.000 χ^2 /NDF:613604.5/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 26285318.2/33

Left In: 0.622 $\pm$ 0.000 χ^2 /NDF:399965.3/22

Left: 0.627 $\pm$ 0.000 χ^2 /NDF: 1017722.4/47

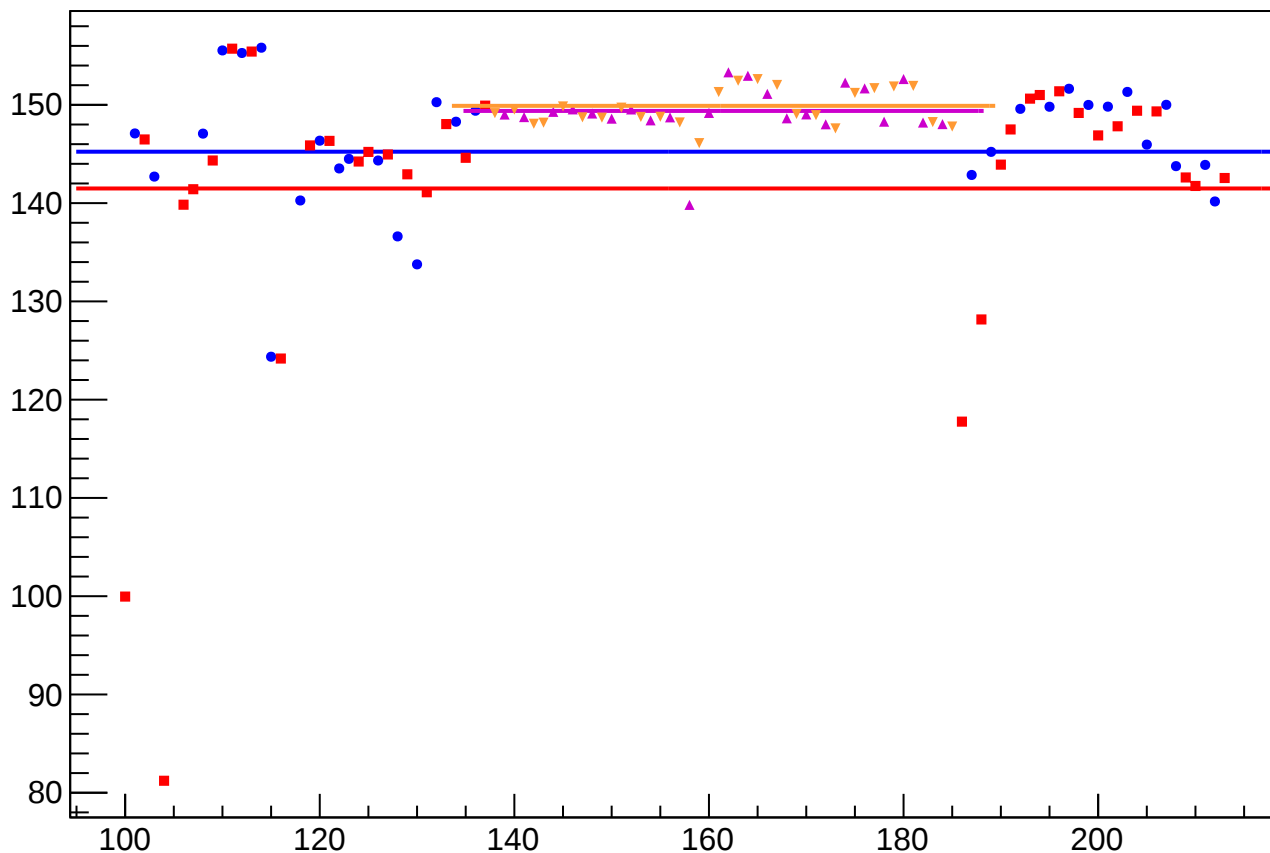
Right: 0.007 $\pm$ 0.000 χ^2 /NDF: 50095463.7/63

In: 0.007 $\pm$ 0.000 χ^2 /NDF:50875601.9/52

Out: 0.007 $\pm$ 0.000 χ^2 /NDF:54957924.2/58

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 105833607.7/111

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 145.232+/-0.000

χ^2/NDF : 1359743221.8/29

Left Out: 149.900+/-0.000

χ^2/NDF : 162845622.6/24

Right Out: 141.490+/-0.000

χ^2/NDF : 3251361999.8/33

Left In: 149.382+/-0.000

χ^2/NDF : 434657827.5/22

Left: 149.650+/-0.000

χ^2/NDF : 604081739.6/47

Right: 143.131+/-0.000

χ^2/NDF : 4800772222.3/63

In: 147.980+/-0.000

χ^2/NDF : 2069354051.3/52

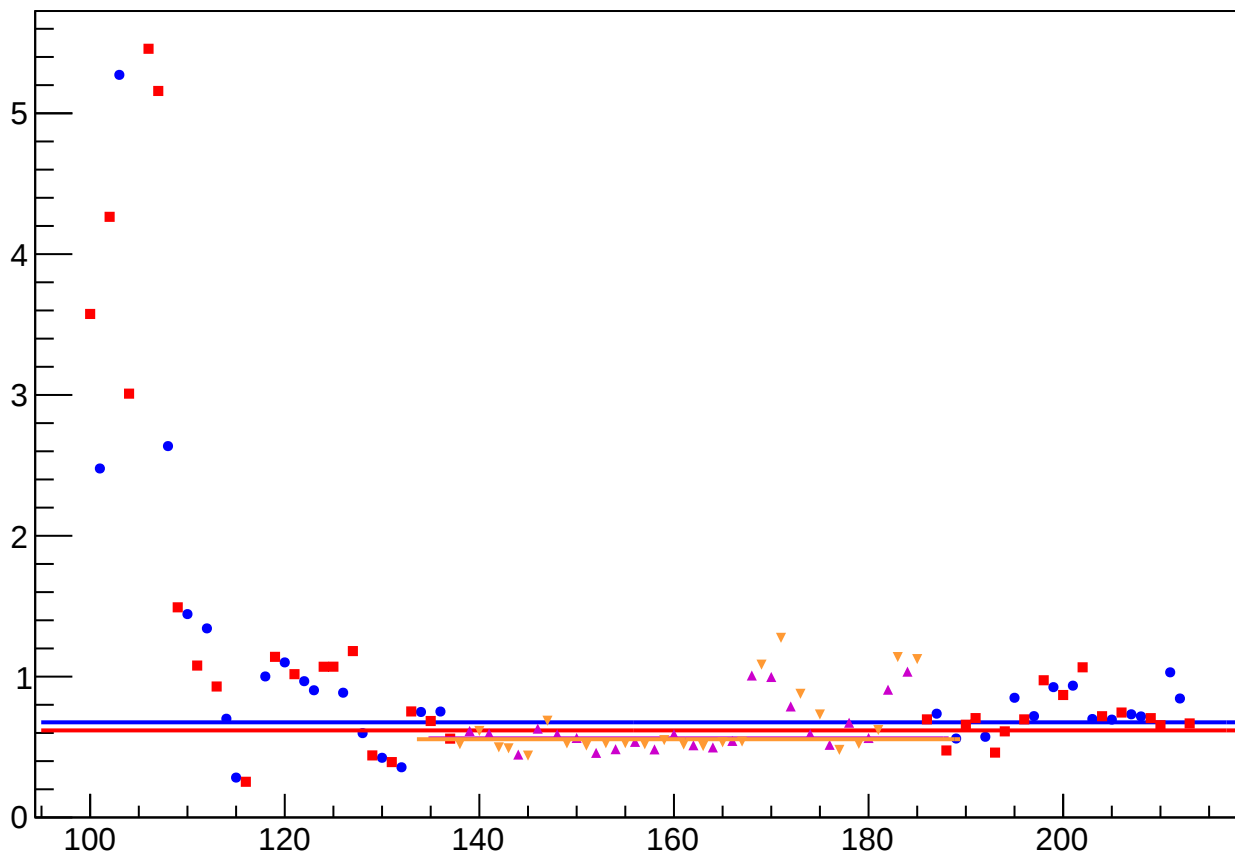
Out: 146.718+/-0.000

χ^2/NDF : 4772185757.0/58

All: 147.307+/-0.000

χ^2/NDF : 6902232859.0

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.676+/-0.000 χ^2/NDF : 4232501.9/29

Left Out: 0.555+/-0.000 χ^2/NDF :1773688.1/24

Right Out: 0.618+/-0.000 χ^2/NDF : 5581444.6/33

Left In: 0.562+/-0.000 χ^2/NDF :1305573.4/22

Left: 0.559+/-0.000 χ^2/NDF : 3081194.0/47

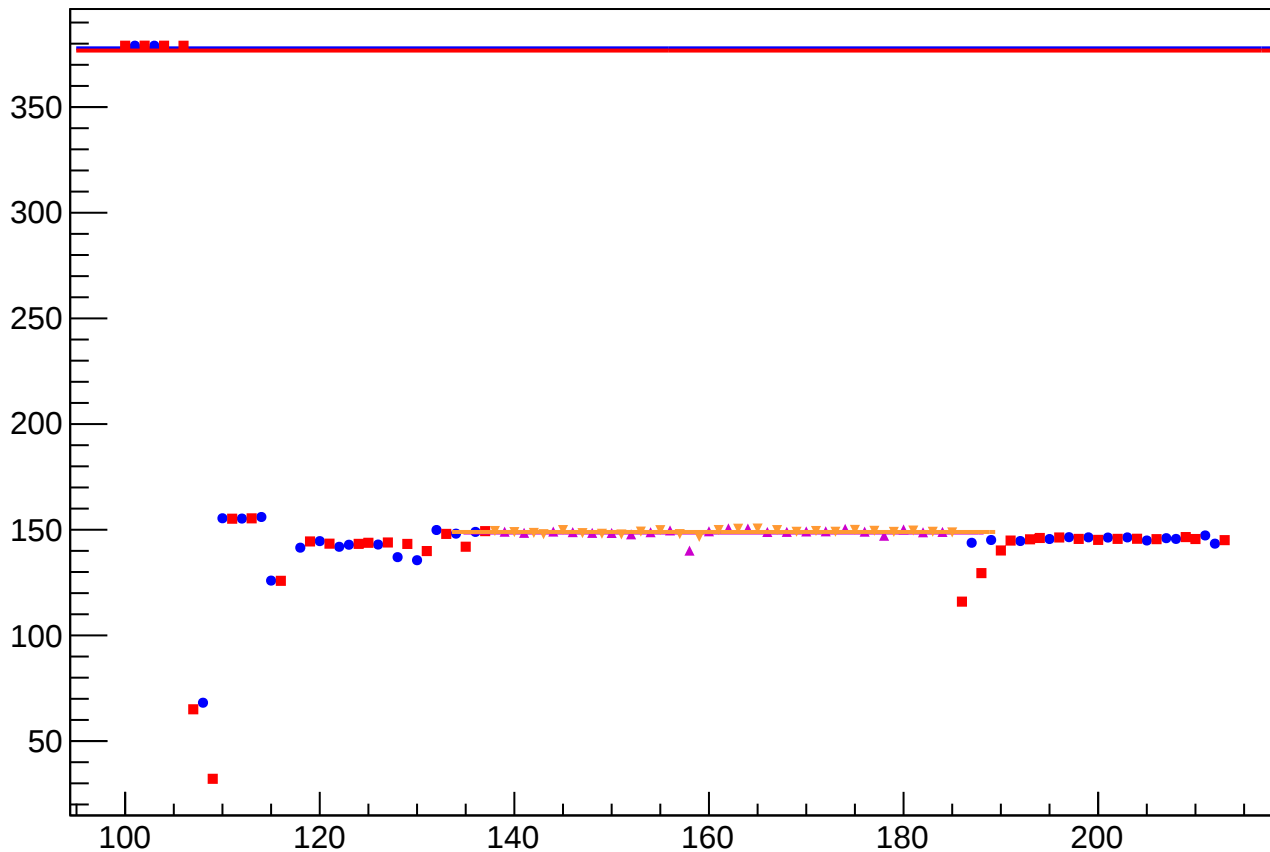
Right: 0.643+/-0.000 χ^2/NDF : 9903246.7/63

In: 0.600+/-0.000 χ^2/NDF :5951500.2/52

Out: 0.579+/-0.000 χ^2/NDF :7505768.0/58

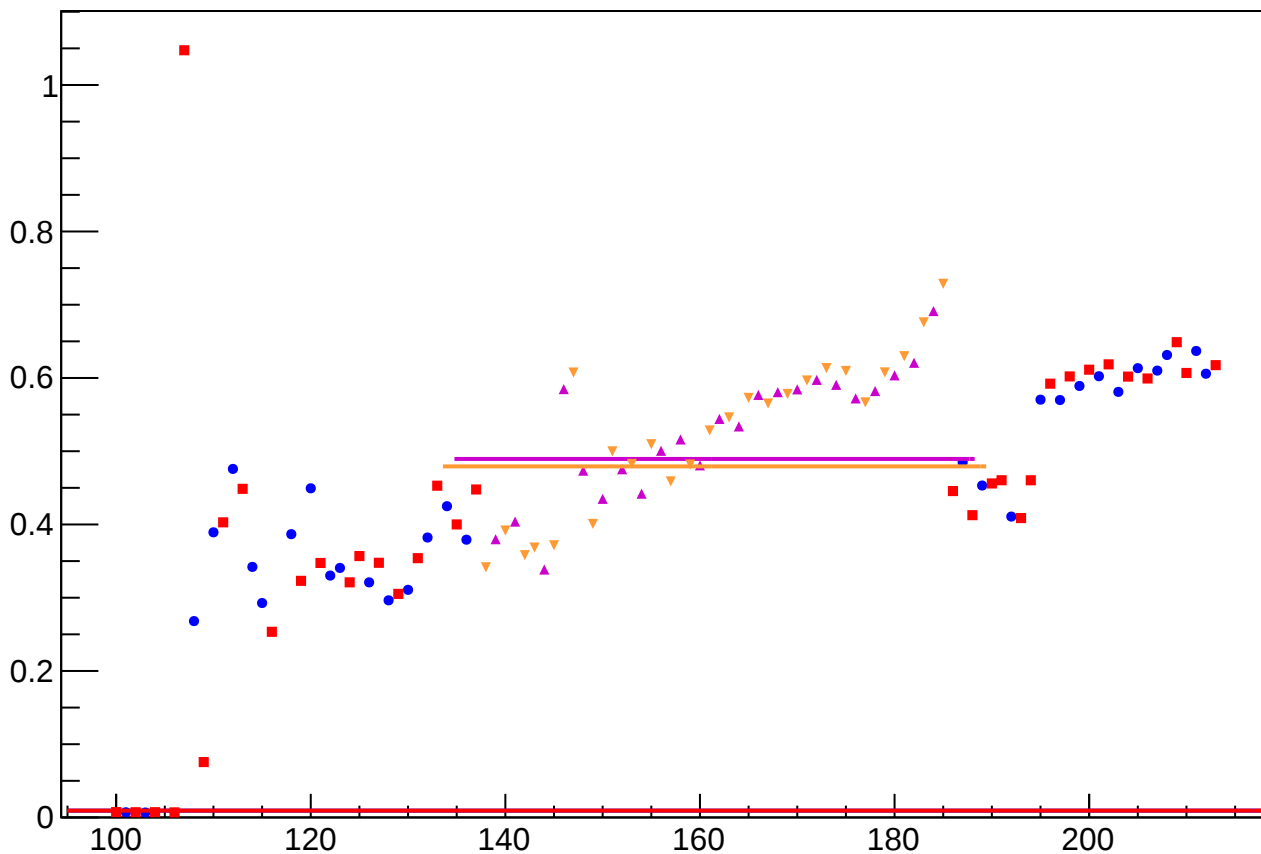
All: 0.589+/-0.000 χ^2/NDF : 13490896.4/111

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 377.787+/-0.000	χ^2/NDF : 4043472177937.9/29	Left: 148.814+/-0.000	χ^2/NDF : 319467494.9/47
Left Out: 148.944+/-0.000	χ^2/NDF : 63976941.3/24	Right: 377.230+/-0.000	χ^2/NDF : 14293034815367.0
Right Out: 376.741+/-0.000	χ^2/NDF : 10241789201187.7/33	In: 376.619+/-0.000	χ^2/NDF : 7615782495865.3/52
Left In: 148.672+/-0.000	χ^2/NDF : 252846428.3/22	Out: 375.629+/-0.000	χ^2/NDF : 14099341509029.9
		All: 376.091+/-0.000	χ^2/NDF : 217221282205.0

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 27104466.0/29

Left Out: 0.479 $\pm$ 0.000 χ^2 /NDF:1516566.1/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 28685781.0/33

Left In: 0.489 $\pm$ 0.000 χ^2 /NDF:1076134.2/22

Left: 0.484 $\pm$ 0.000 χ^2 /NDF: 2600075.4/47

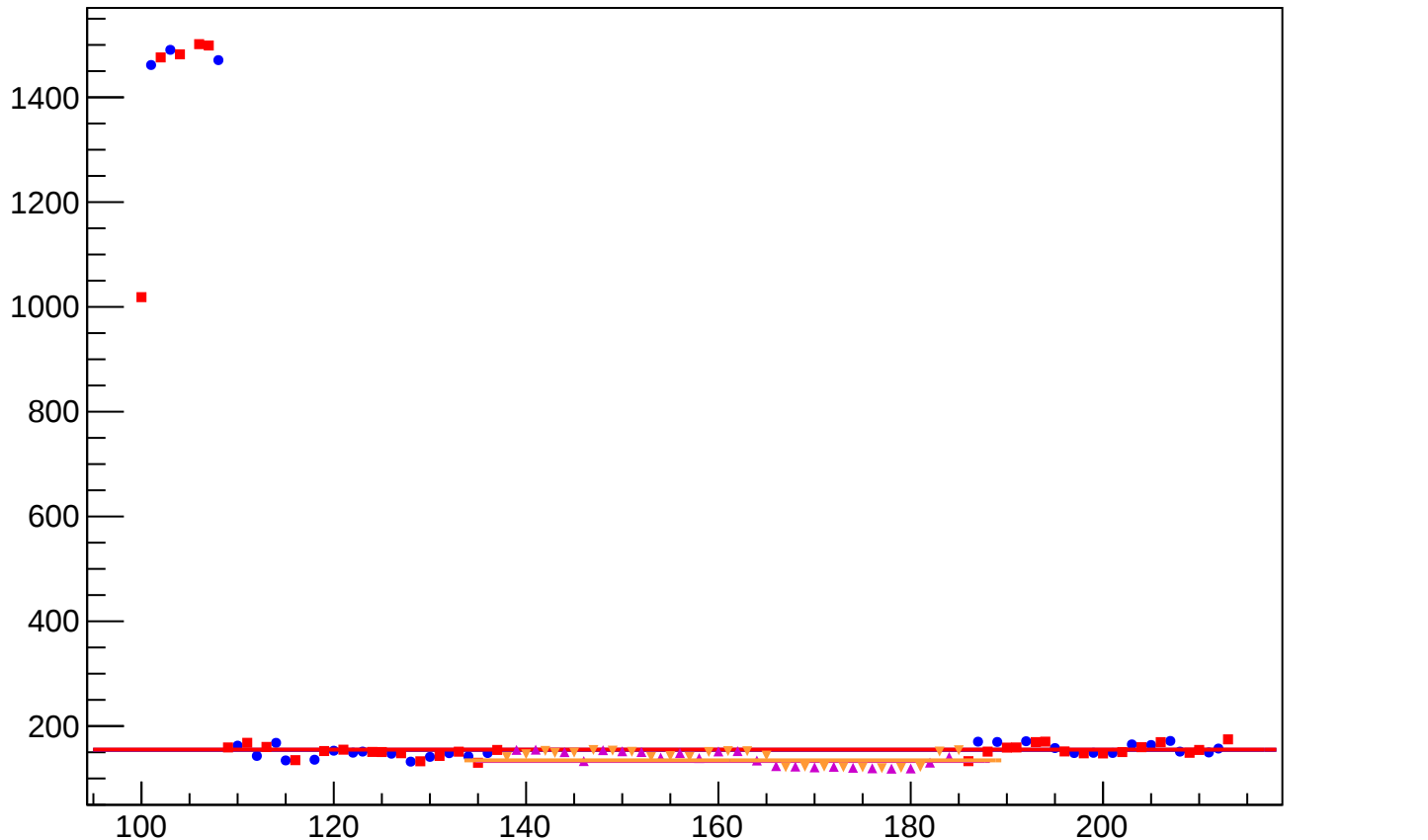
Right: 0.009 $\pm$ 0.000 χ^2 /NDF: 55790282.1/63

In: 0.012 $\pm$ 0.000 χ^2 /NDF:59560151.1/52

Out: 0.012 $\pm$ 0.000 χ^2 /NDF:63039910.6/58

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 122600213.8/111

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 154.601+/-0.000

χ^2/NDF : 25980796340.4/29

Left Out: 134.554+/-0.000

χ^2/NDF : 4376966869.3/24

Right Out: 155.075+/-0.000

χ^2/NDF : 35199601014.2/33

Left In: 133.337+/-0.000

χ^2/NDF : 4303812119.2/22

Left: 133.958+/-0.000

χ^2/NDF : 8697951676.8/47

Right: 154.851+/-0.000

χ^2/NDF : 61182625625.6/63

In: 142.964+/-0.000

χ^2/NDF : 34939690782.1/52

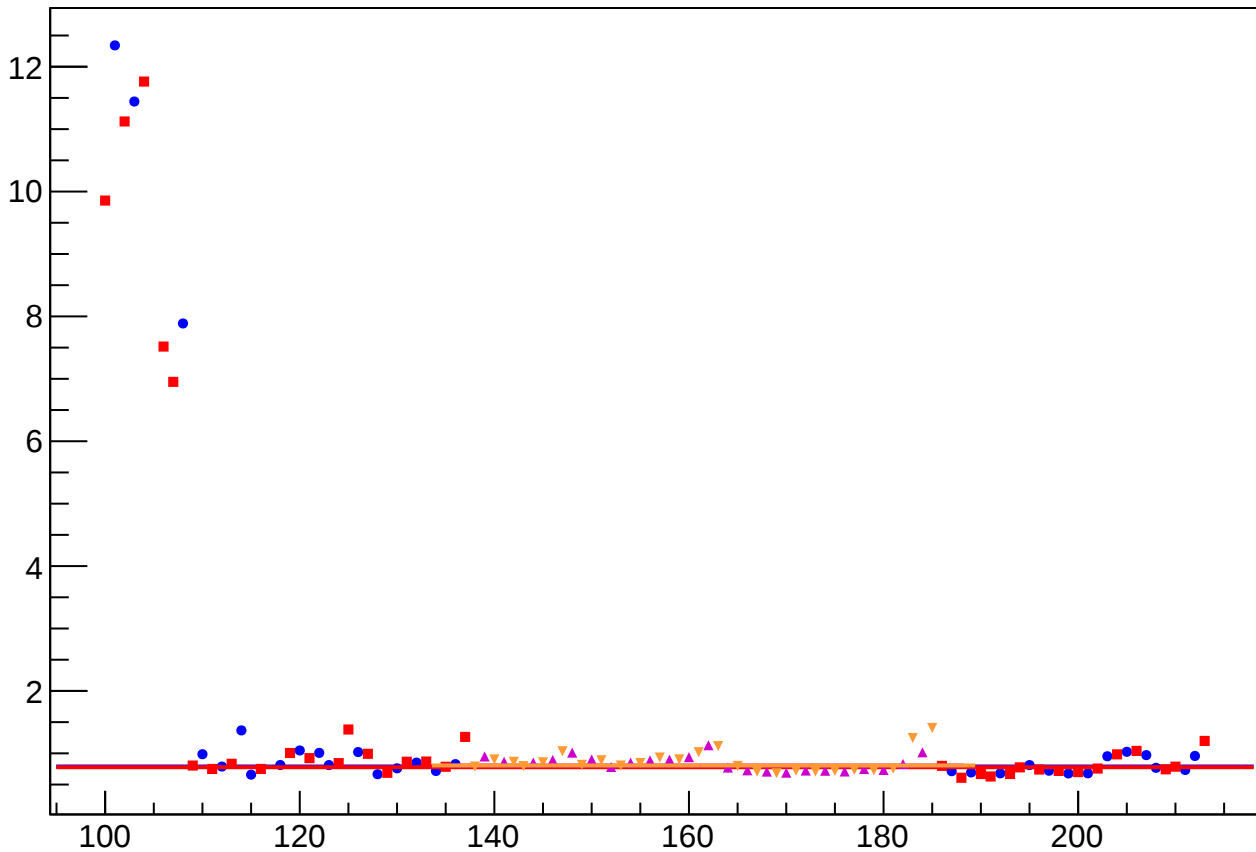
Out: 144.173+/-0.000

χ^2/NDF : 44257232076.6/58

All: 143.590+/-0.000

χ^2/NDF : 79228333564.0/100

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.789+/-0.000 χ^2/NDF : 3052273.1/29

Left Out: 0.806+/-0.000 χ^2/NDF : 690578.5/24

Right Out: 0.778+/-0.000 χ^2/NDF : 3445620.8/33

Left In: 0.805+/-0.000 χ^2/NDF : 480510.8/22

Left: 0.805+/-0.000 χ^2/NDF : 1171131.4/47

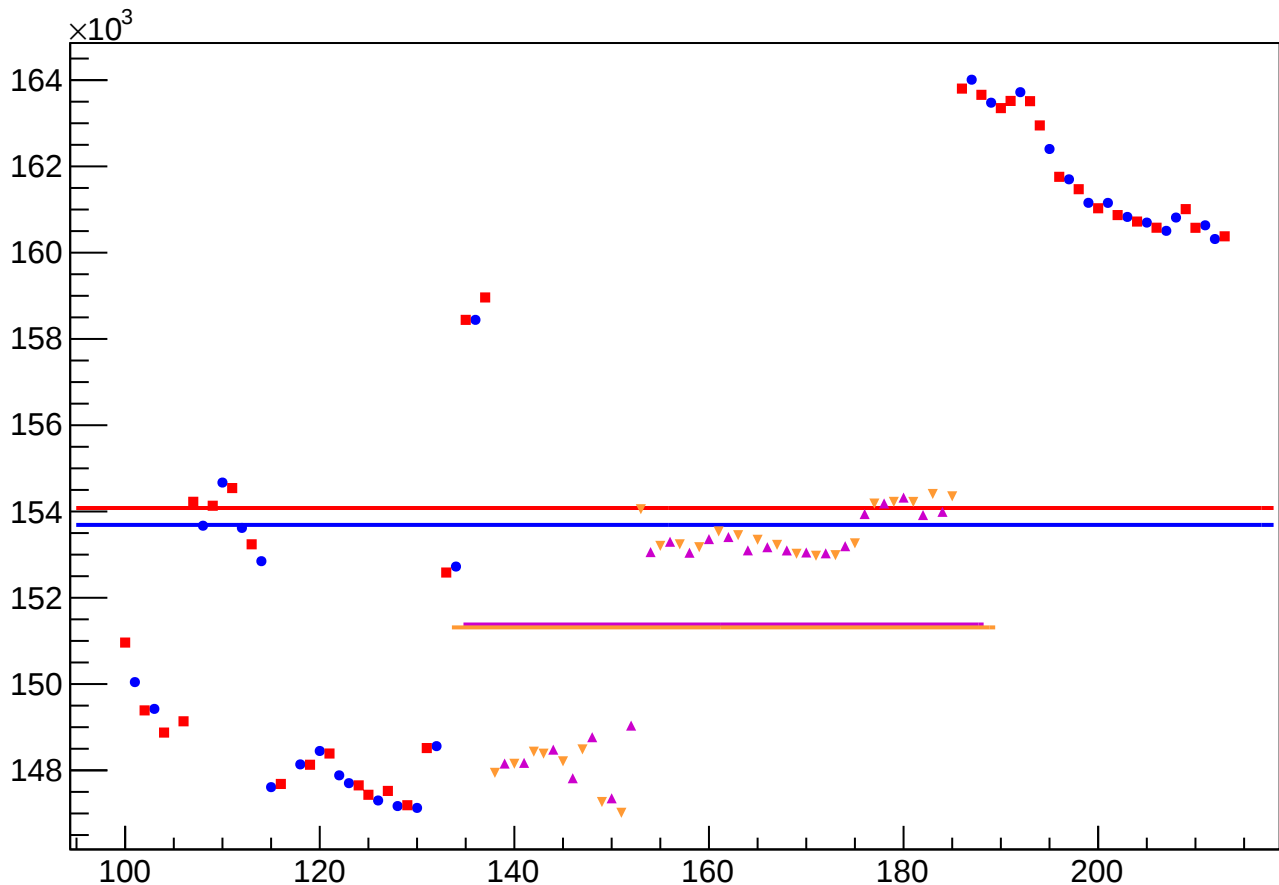
Right: 0.783+/-0.000 χ^2/NDF : 6500382.7/63

In: 0.798+/-0.000 χ^2/NDF : 3537838.5/52

Out: 0.793+/-0.000 χ^2/NDF : 4153905.3/58

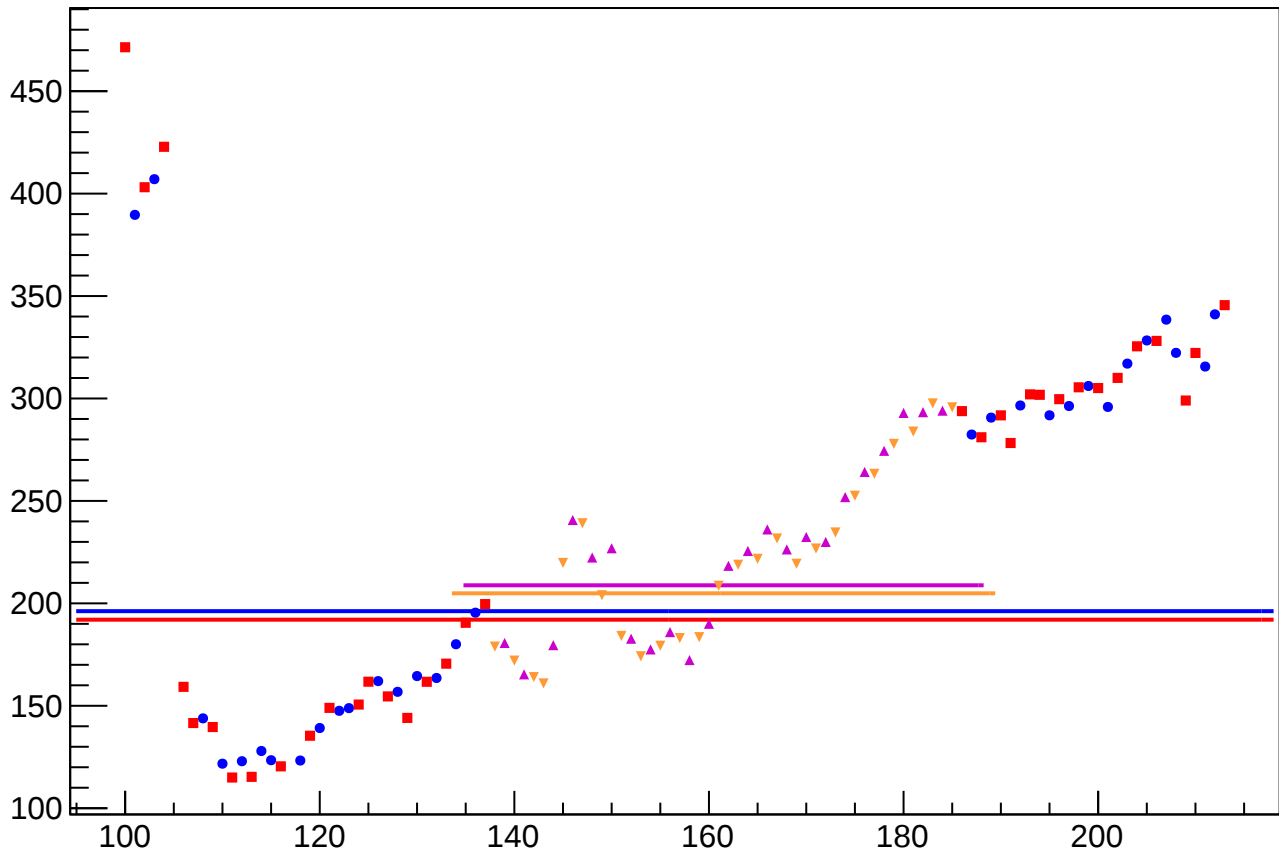
All: 0.795+/-0.000 χ^2/NDF : 7692730.6/111

yield_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 153689.133+/-0.054	χ^2/NDF : 11644435925.1/29	Left: 151345.082+/-0.035	χ^2/NDF : 5518562148.3/4
Left Out: 151313.284+/-0.049	χ^2/NDF : 3153768134.8/24	Right: 153896.021+/-0.037	χ^2/NDF : 24212407801.5/24
Right Out: 154081.066+/-0.051	χ^2/NDF : 12539831057.2/33	In: 152479.895+/-0.037	χ^2/NDF : 14977288557.8/5
Left In: 151380.236+/-0.051	χ^2/NDF : 2363895785.3/22	Out: 152639.249+/-0.035	χ^2/NDF : 17242023330.3/22
		All: 152563.780+/-0.025	χ^2/NDF : 322290523/22

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 196.192 $\pm$ 0.038 χ^2 /NDF: 4617347.9/29

Left Out: 204.900 $\pm$ 0.034 χ^2 /NDF:1056380.8/24

Right Out: 192.028 $\pm$ 0.036 χ^2 /NDF: 5128143.7/33

Left In: 208.813 $\pm$ 0.036 χ^2 /NDF:1001936.6/22

Left: 206.758 $\pm$ 0.025 χ^2 /NDF: 2064453.9/47

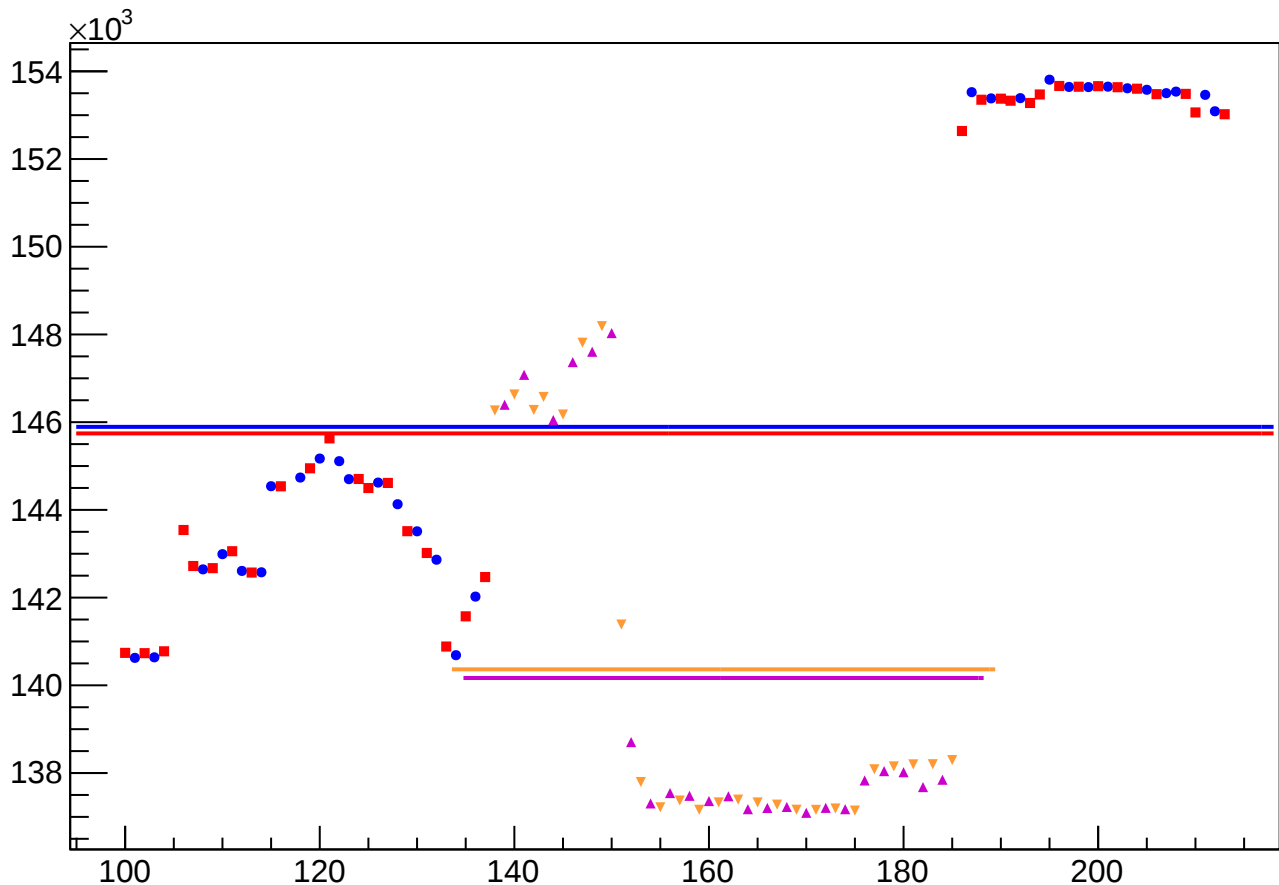
Right: 193.994 $\pm$ 0.026 χ^2 /NDF: 9751841.9/63

In: 202.802 $\pm$ 0.026 χ^2 /NDF:5677189.5/52

Out: 198.733 $\pm$ 0.025 χ^2 /NDF:6251496.2/58

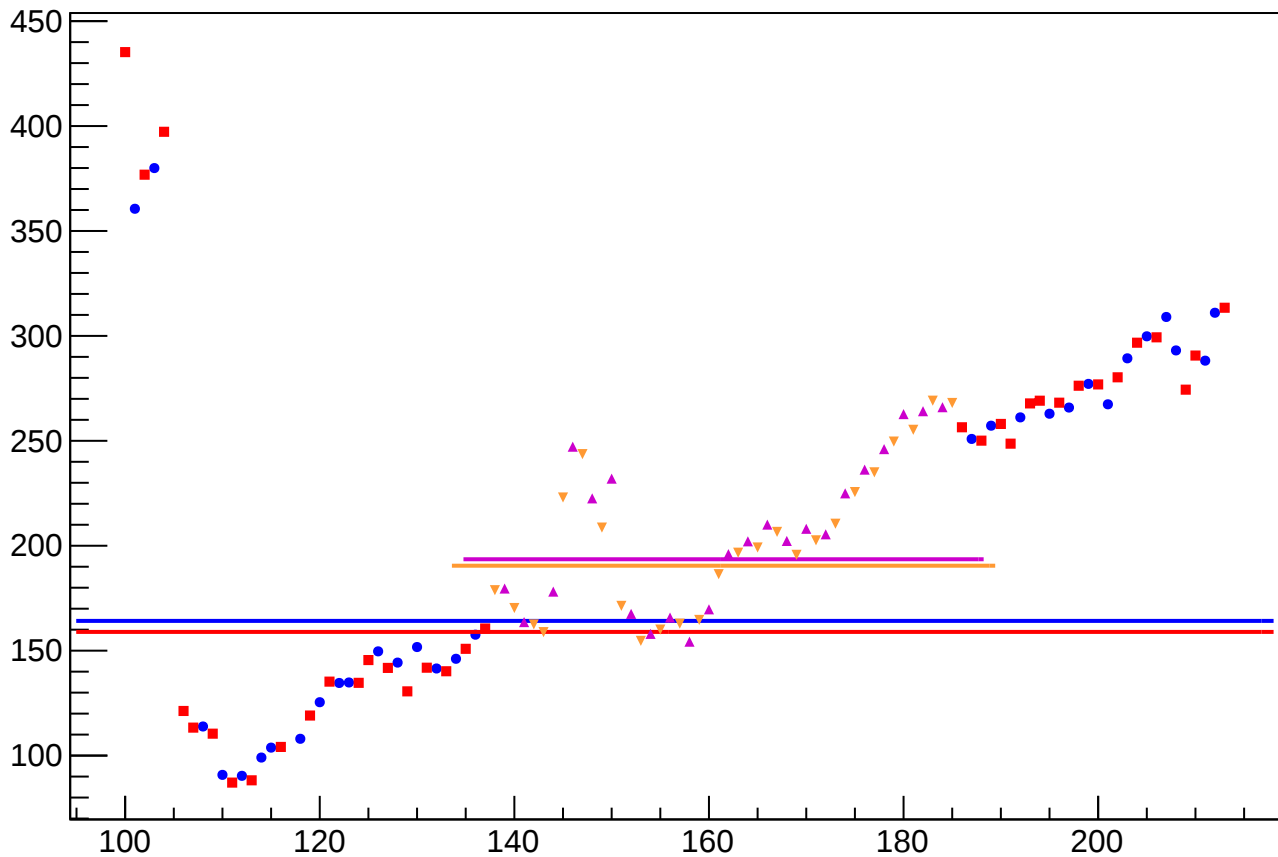
All: 200.660 $\pm$ 0.018 χ^2 /NDF: 11941382.7/11

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 145893.134+/-0.046	χ^2/NDF : 9658241250.6/29	Left: 140270.460+/-0.033	χ^2/NDF : 16714620354.4
Left Out: 140364.444+/-0.045	χ^2/NDF : 8677078677.7/24	Right: 145813.091+/-0.031	χ^2/NDF : 20608360455.6
Right Out: 145743.443+/-0.043	χ^2/NDF : 10944410724.2/33	In: 143130.434+/-0.033	χ^2/NDF : 25223760541.5/5
Left In: 140166.971+/-0.047	χ^2/NDF : 8028464654.6/22	Out: 143205.643+/-0.031	χ^2/NDF : 27095955160.7/
		All: 143170.268+/-0.023	χ^2/NDF : 52322473

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 164.187+/-0.032 χ^2/NDF : 5662670.4/29

Left Out: 190.486+/-0.032 χ^2/NDF : 950233.2/24

Right Out: 158.936+/-0.030 χ^2/NDF : 6291419.7/33

Left In: 193.558+/-0.034 χ^2/NDF : 963675.0/22

Left: 191.948+/-0.023 χ^2/NDF : 1918302.4/47

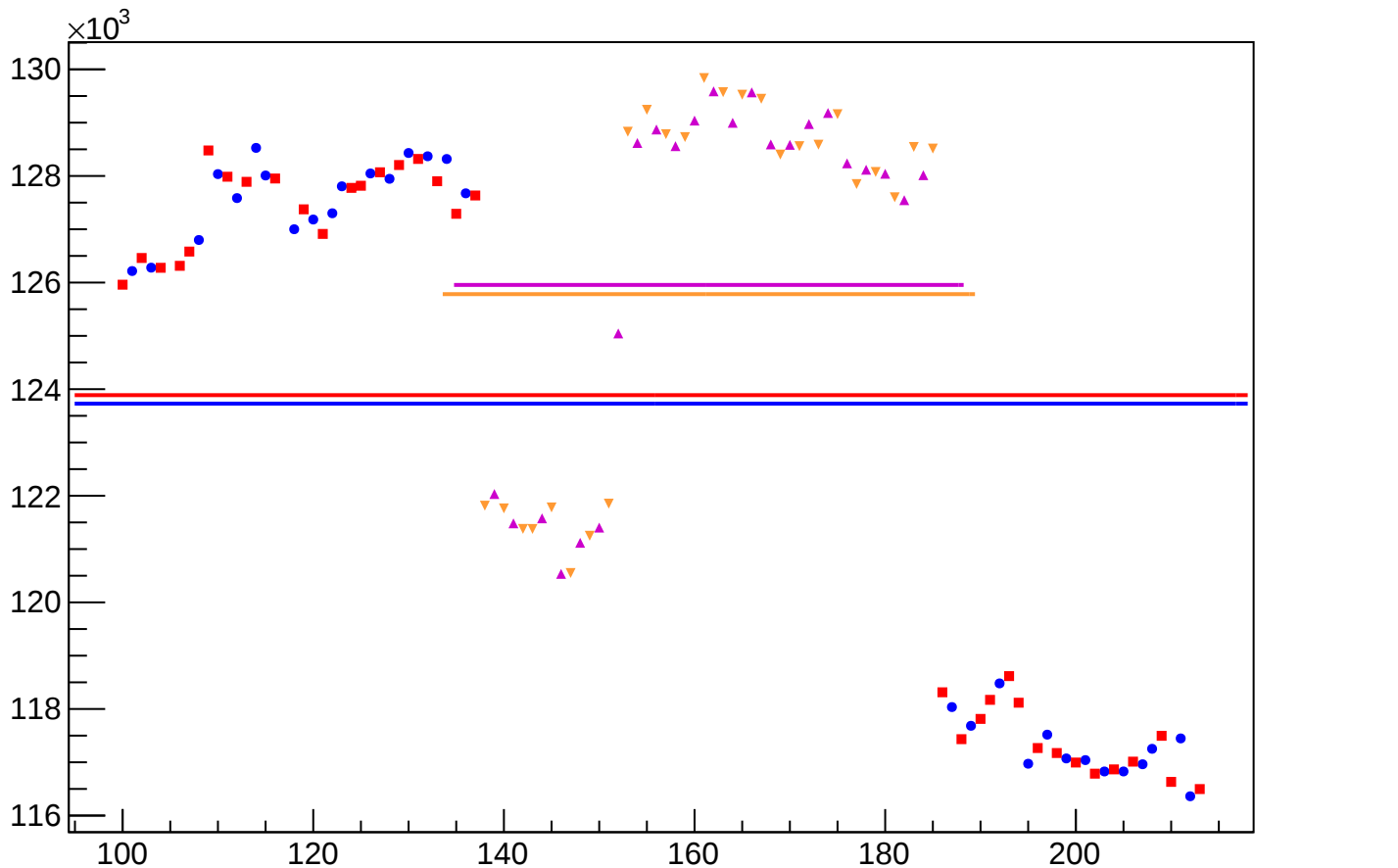
Right: 161.379+/-0.022 χ^2/NDF : 11968139.3/63

In: 178.358+/-0.023 χ^2/NDF : 7022948.7/52

Out: 173.821+/-0.022 χ^2/NDF : 7755947.8/58

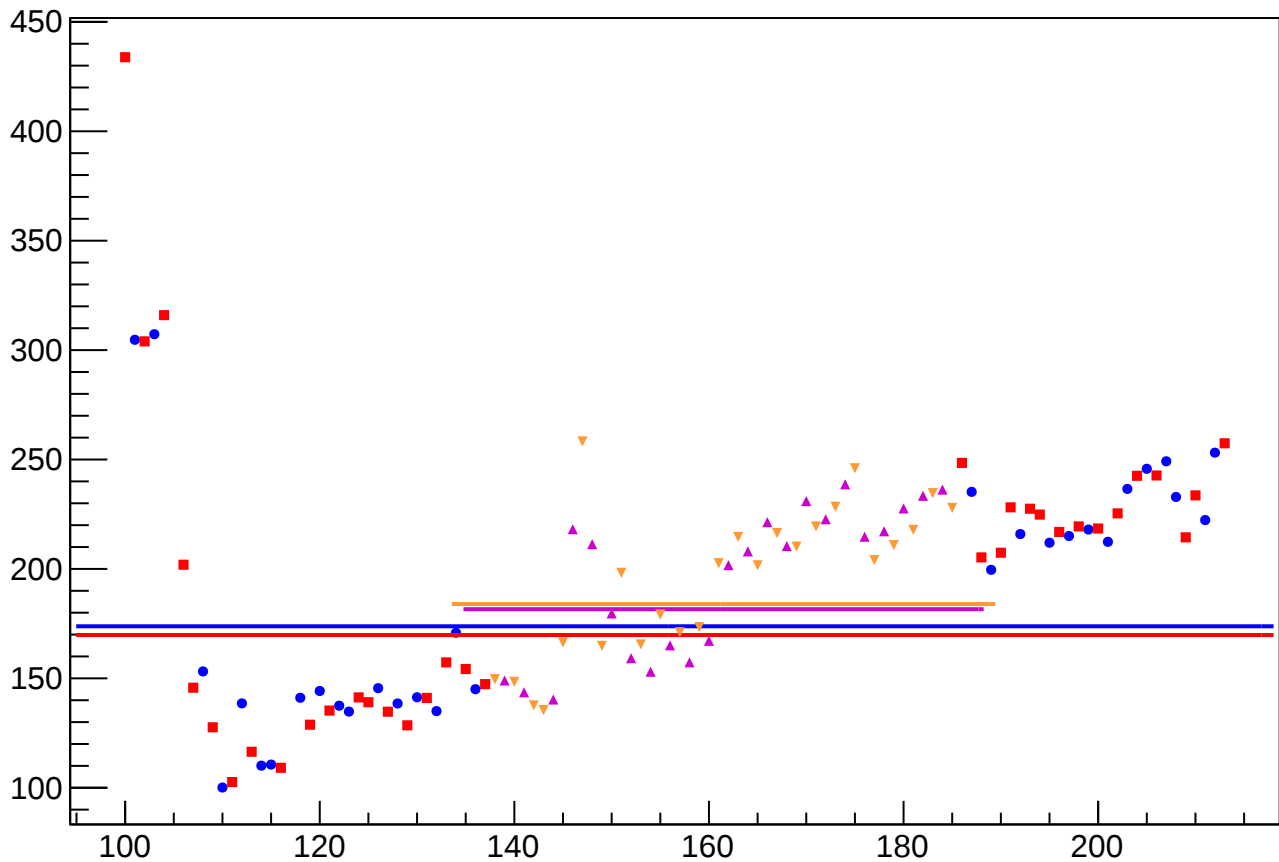
All: 175.955+/-0.016 χ^2/NDF : 14798965.9/11

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 123728.521 $\pm$ 0.046	χ^2 /NDF: 12428551630.8/29	Left: 125867.639 $\pm$ 0.031	χ^2 /NDF: 12541428458.9/29
Left Out: 125782.764 $\pm$ 0.044	χ^2 /NDF: 6729761889.8/24	Right: 123812.681 $\pm$ 0.031	χ^2 /NDF: 25976585405.8/24
Right Out: 123887.901 $\pm$ 0.043	χ^2 /NDF: 13541637009.1/33	In: 124866.317 $\pm$ 0.032	χ^2 /NDF: 19441100234.0/33
Left In: 125955.637 $\pm$ 0.045	χ^2 /NDF: 5804088930.1/22	Out: 124819.883 $\pm$ 0.031	χ^2 /NDF: 21213674659.4/22
		All: 124842.240 $\pm$ 0.022	χ^2 /NDF: 406558649.0/22

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 173.788 $\pm$ 0.032 χ^2 /NDF: 2441222.0/29

Left Out: 183.947 $\pm$ 0.031 χ^2 /NDF:1123194.0/24

Right Out: 169.794 $\pm$ 0.031 χ^2 /NDF: 2981884.4/33

Left In: 181.596 $\pm$ 0.032 χ^2 /NDF:1103524.3/22

Left: 182.792 $\pm$ 0.022 χ^2 /NDF: 2229521.2/47

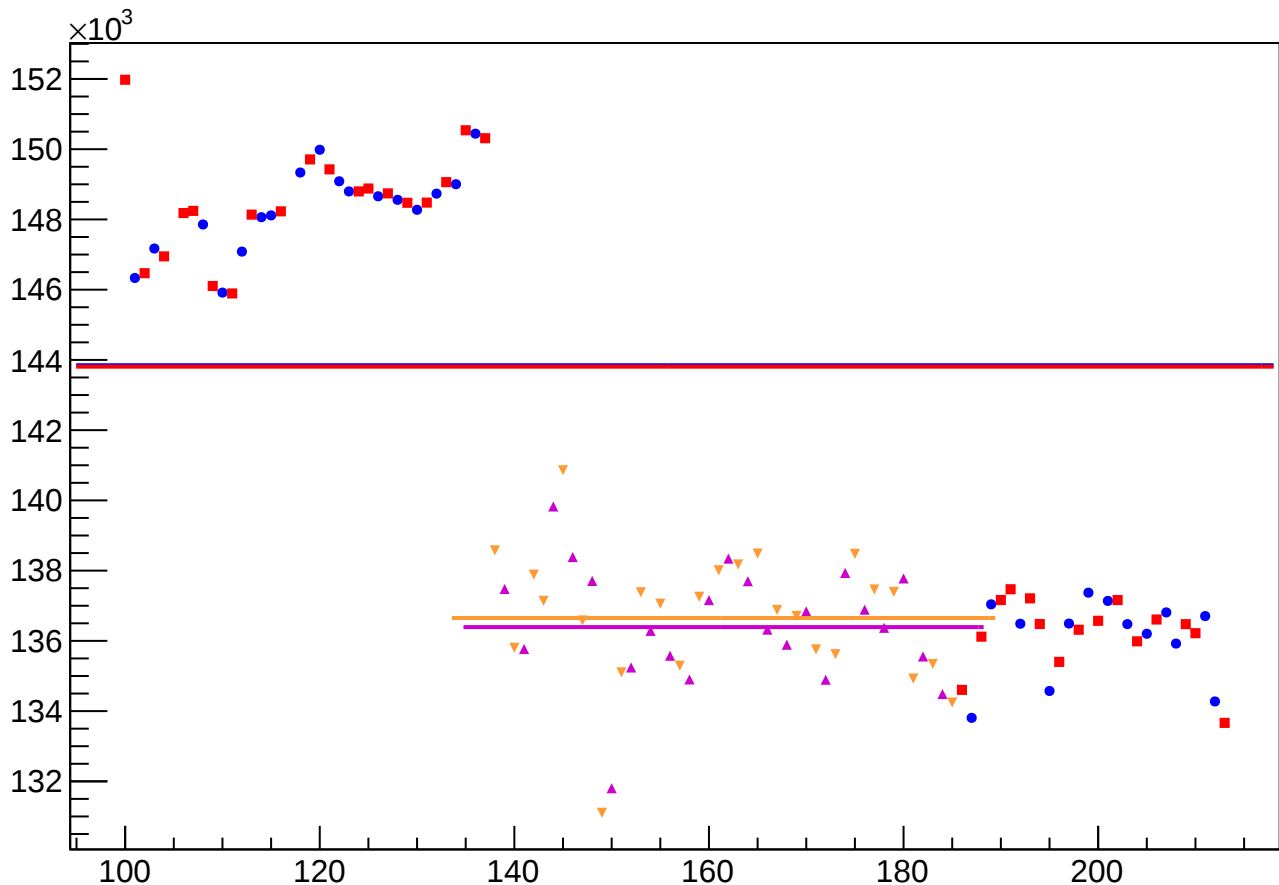
Right: 171.679 $\pm$ 0.022 χ^2 /NDF: 5431143.4/63

In: 177.777 $\pm$ 0.023 χ^2 /NDF:3574447.4/52

Out: 176.755 $\pm$ 0.022 χ^2 /NDF:4210213.0/58

All: 177.247 $\pm$ 0.016 χ^2 /NDF: 7785717.0/111

yield_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 143848.809 $\pm$ 0.065

χ^2 /NDF: 8785760831.3/29

Left: 136524.219 $\pm$ 0.046

χ^2 /NDF: 1640486942.5/4

Left Out: 136650.935 $\pm$ 0.065

χ^2 /NDF: 930649595.5/24

Right: 143826.984 $\pm$ 0.044

χ^2 /NDF: 18469949262.0/5

Right Out: 143807.810 $\pm$ 0.061

χ^2 /NDF: 9683974740.2/33

In: 140192.189 $\pm$ 0.046

χ^2 /NDF: 15999115810.2/5

Out: 140456.110 $\pm$ 0.044

χ^2 /NDF: 17135194037.9/5

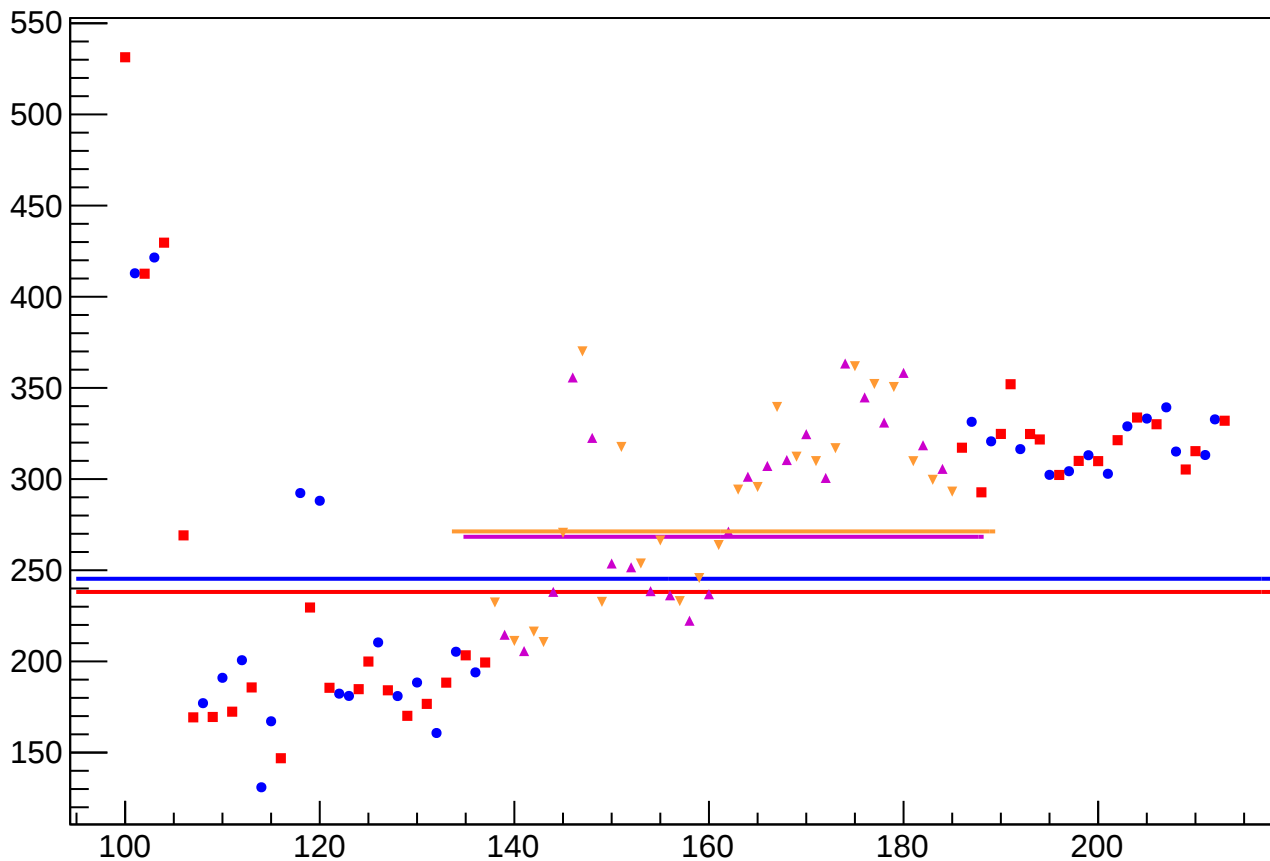
Left In: 136392.188 $\pm$ 0.066

χ^2 /NDF: 701986841.4/22

All: 140329.895 $\pm$ 0.032

χ^2 /NDF: 331513405.0/10

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 245.316+/-0.046 χ^2/NDF : 2513309.6/29

Left Out: 271.295+/-0.046 χ^2/NDF :1064485.7/24

Right Out: 238.091+/-0.043 χ^2/NDF : 2840015.0/33

Left In: 268.344+/-0.047 χ^2/NDF :1077364.0/22

Left: 269.850+/-0.033 χ^2/NDF : 2143892.9/47

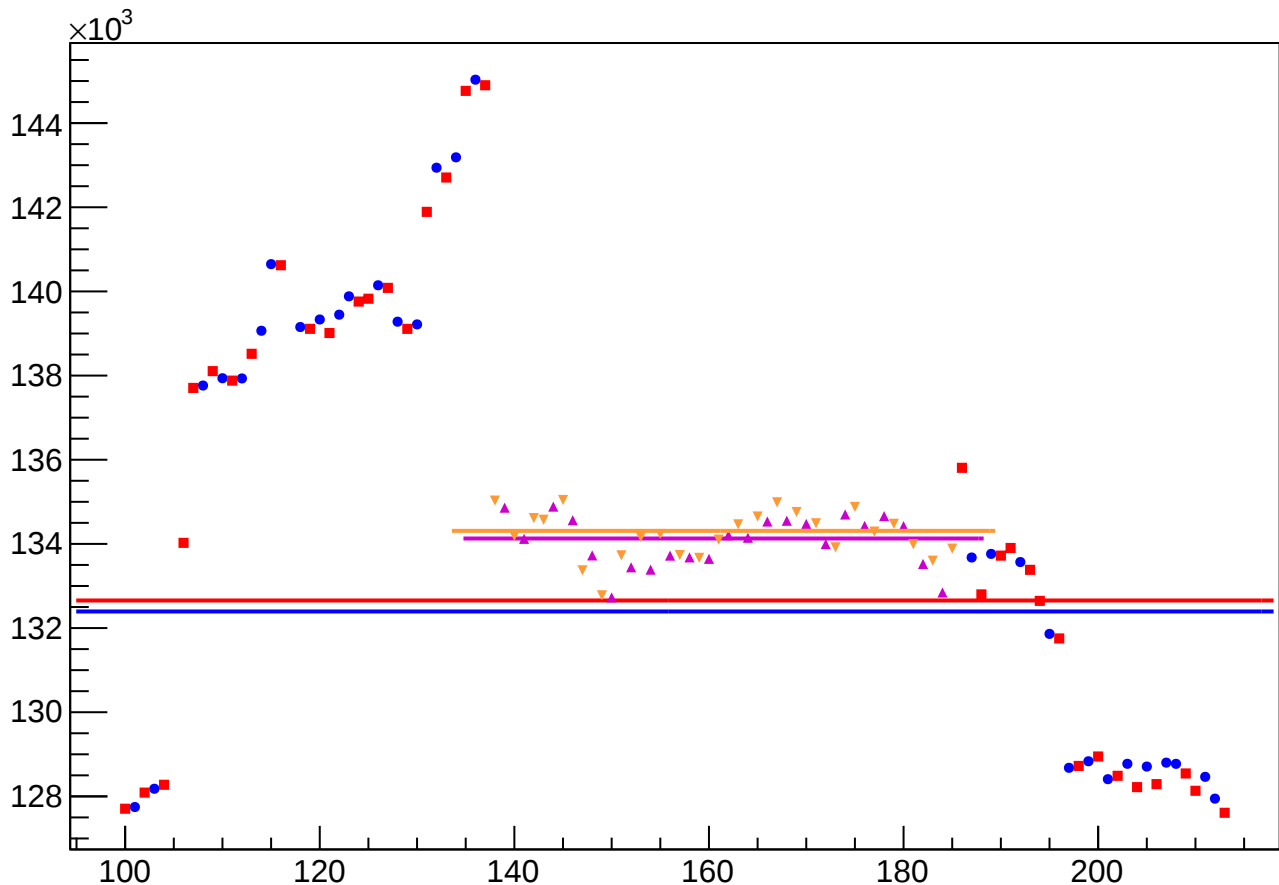
Right: 241.470+/-0.031 χ^2/NDF : 5366598.8/63

In: 256.608+/-0.033 χ^2/NDF :3714869.0/52

Out: 253.641+/-0.031 χ^2/NDF :4185214.7/58

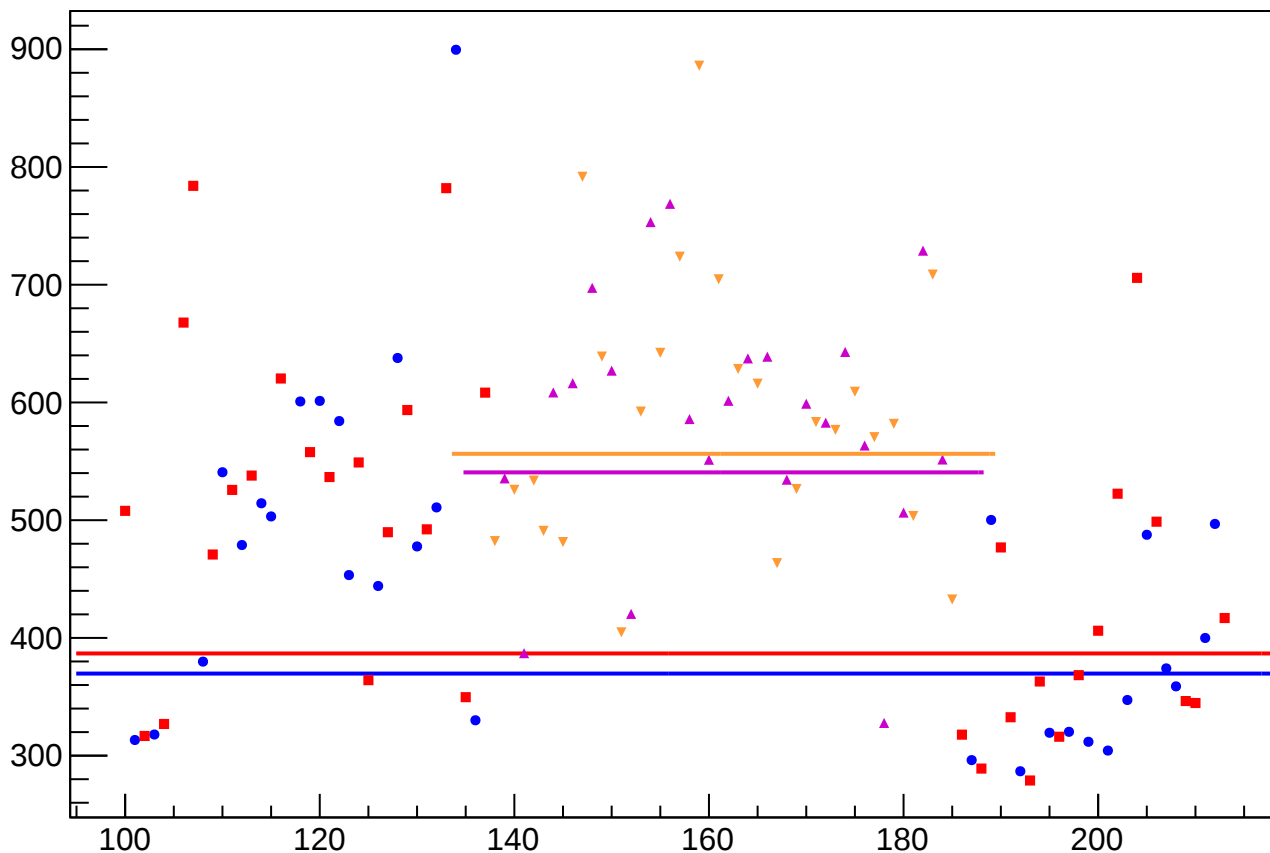
All: 255.060+/-0.023 χ^2/NDF : 7904390.0/111

yield_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 132394.203+/-0.105	χ^2/NDF : 2677519230.7/29	Left: 134221.438+/-0.099	χ^2/NDF : 31894688.0/47
Left Out: 134310.250+/-0.139	χ^2/NDF : 15518632.9/24	Right: 132522.490+/-0.075	χ^2/NDF : 4619418996.3/5
Right Out: 132655.367+/-0.107	χ^2/NDF : 1938858065.9/33	In: 133006.849+/-0.084	χ^2/NDF : 2789496077.0/52
Left In: 134128.172+/-0.142	χ^2/NDF : 15533736.2/22	Out: 133272.244+/-0.085	χ^2/NDF : 2043854339.3/5
		All: 133139.239+/-0.060	χ^2/NDF : 483828307.0/100

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 369.723 ± 0.074 χ^2/NDF : 1421643.8/29

Left Out: 556.381 ± 0.098 χ^2/NDF : 1002064.0/24

Right Out: 386.812 ± 0.076 χ^2/NDF : 1940835.4/33

Left In: 540.607 ± 0.100 χ^2/NDF : 1409015.2/22

Left: 548.687 ± 0.070 χ^2/NDF : 2423723.9/47

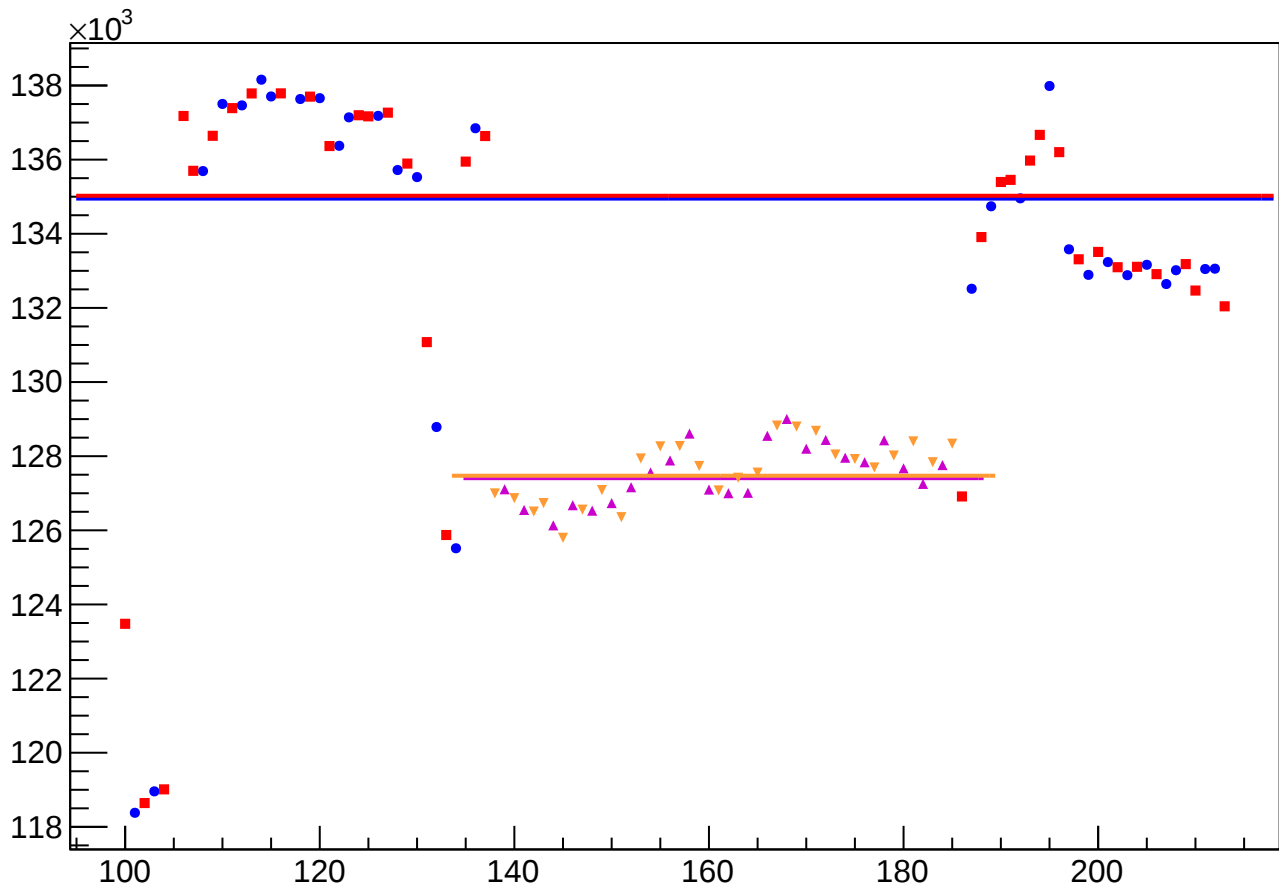
Right: 378.118 ± 0.053 χ^2/NDF : 3388524.5/63

In: 430.100 ± 0.060 χ^2/NDF : 4704006.9/52

Out: 450.021 ± 0.060 χ^2/NDF : 4821807.0/58

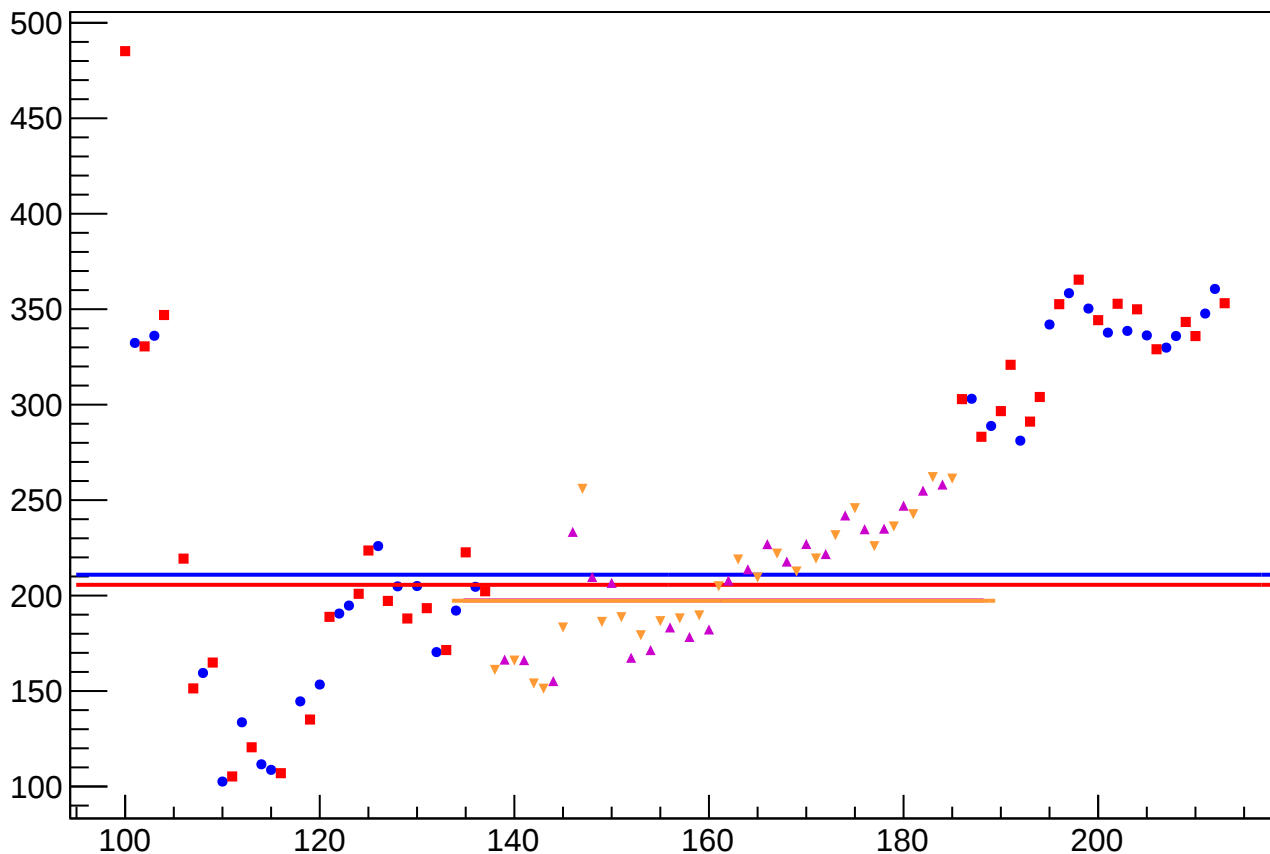
All: 440.037 ± 0.042 χ^2/NDF : 9581397.6/111

yield_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: 134949.051+/-0.058	χ^2/NDF : 4909084489.0/29	Left: 127440.757+/-0.034	χ^2/NDF : 574486725.7/47
Left Out: 127472.525+/-0.047	χ^2/NDF : 303609315.6/24	Right: 134989.664+/-0.040	χ^2/NDF : 10241768861.7/47
Right Out: 135025.730+/-0.055	χ^2/NDF : 5331757099.7/33	In: 130503.259+/-0.037	χ^2/NDF : 15163216202.6/50
Left In: 127406.911+/-0.048	χ^2/NDF : 269927988.0/22	Out: 130675.157+/-0.036	χ^2/NDF : 16653605015.5/47
		All: 130592.921+/-0.026	χ^2/NDF : 318280000.0/47

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 210.925+/-0.041 χ^2/NDF : 4653619.8/29

Left Out: 197.289+/-0.033 χ^2/NDF : 852024.1/24

Right Out: 205.632+/-0.039 χ^2/NDF : 5281832.3/33

Left In: 197.471+/-0.034 χ^2/NDF : 791577.5/22

Left: 197.377+/-0.024 χ^2/NDF : 1643616.2/47

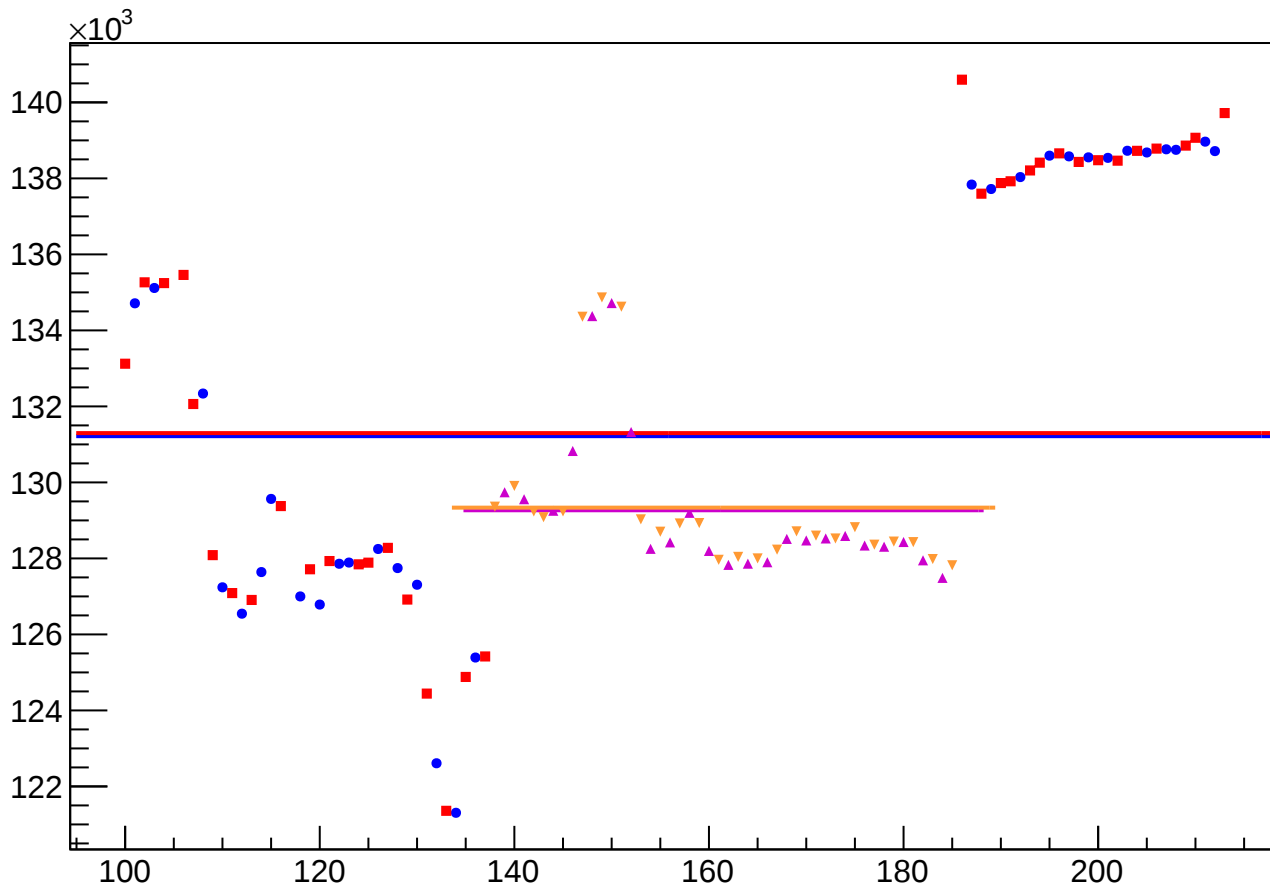
Right: 208.122+/-0.028 χ^2/NDF : 9944291.1/63

In: 202.995+/-0.026 χ^2/NDF : 5508741.7/52

Out: 200.827+/-0.025 χ^2/NDF : 6160738.2/58

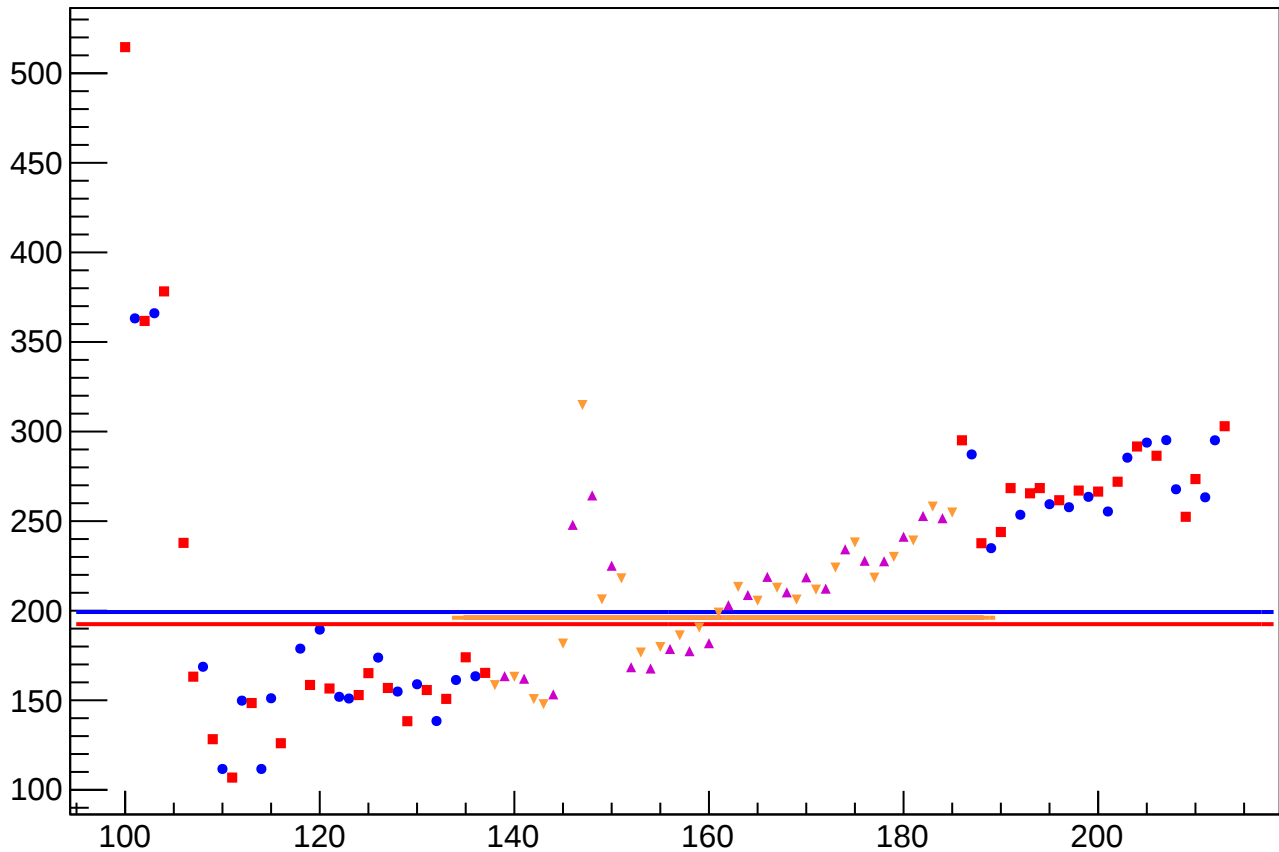
All: 201.864+/-0.018 χ^2/NDF : 11673036.2/116

yield_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 131216.774 $\pm$ 0.053	χ^2 /NDF: 12434465340.1/29	Left: 129302.466 $\pm$ 0.034	χ^2 /NDF: 2665755007.2/4
Left Out: 129335.946 $\pm$ 0.047	χ^2 /NDF: 1450933621.0/24	Right: 131259.731 $\pm$ 0.036	χ^2 /NDF: 25924853459.7
Right Out: 131297.428 $\pm$ 0.050	χ^2 /NDF: 13489160146.0/33	In: 130146.511 $\pm$ 0.036	χ^2 /NDF: 14387860683.1/5
Left In: 129266.909 $\pm$ 0.048	χ^2 /NDF: 1213762773.1/22	Out: 130255.100 $\pm$ 0.034	χ^2 /NDF: 15765819360.8
		All: 130203.316 $\pm$ 0.025	χ^2 /NDF: 301585264

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 199.266+/-0.038 χ^2/NDF : 2901471.9/29

Left Out: 196.077+/-0.033 χ^2/NDF : 975710.9/24

Right Out: 192.490+/-0.035 χ^2/NDF : 3608676.5/33

Left In: 196.186+/-0.034 χ^2/NDF : 898058.0/22

Left: 196.130+/-0.024 χ^2/NDF : 1873774.2/47

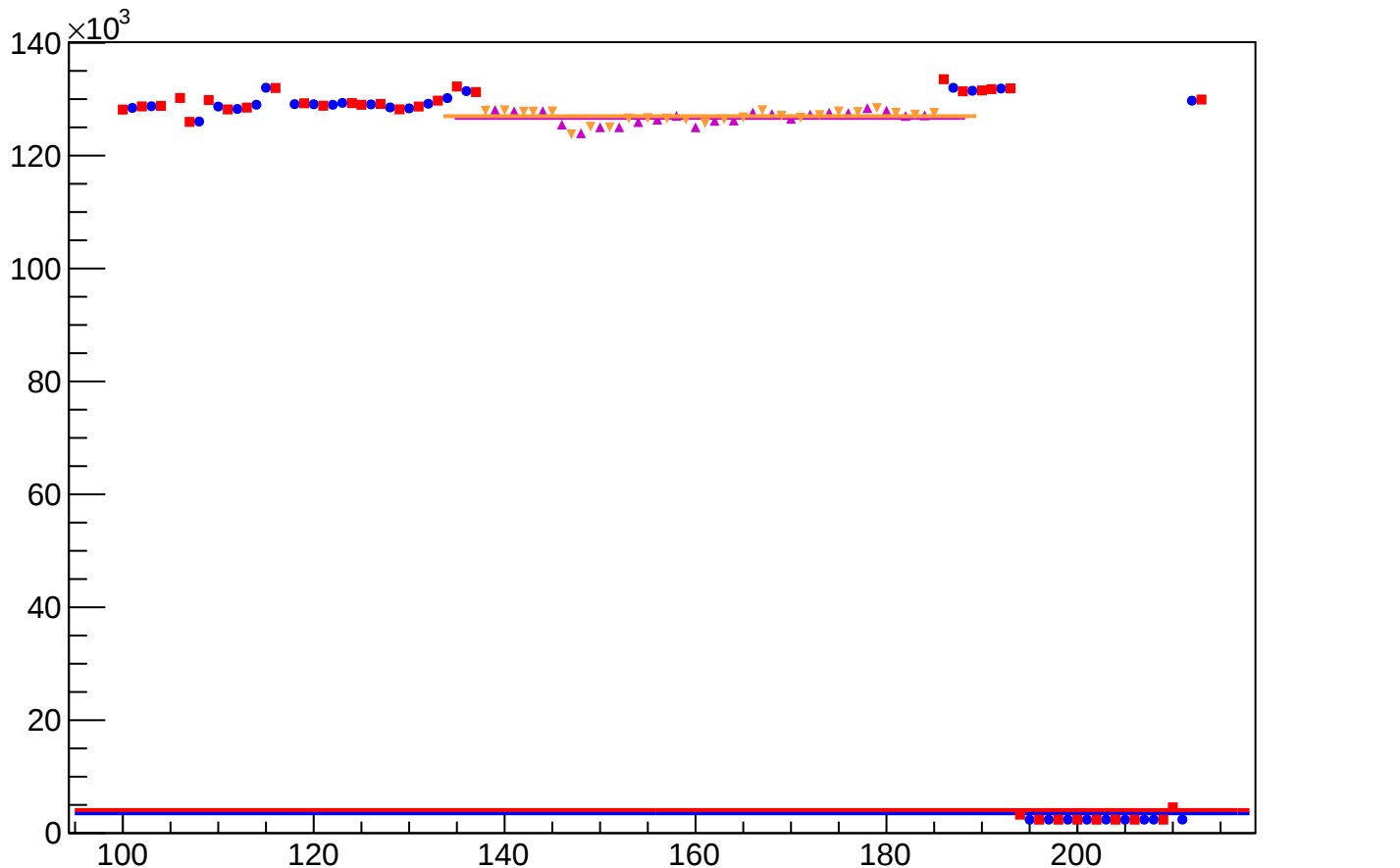
Right: 195.657+/-0.026 χ^2/NDF : 6527483.1/63

In: 197.575+/-0.025 χ^2/NDF : 3803219.8/52

Out: 194.396+/-0.024 χ^2/NDF : 4589912.6/58

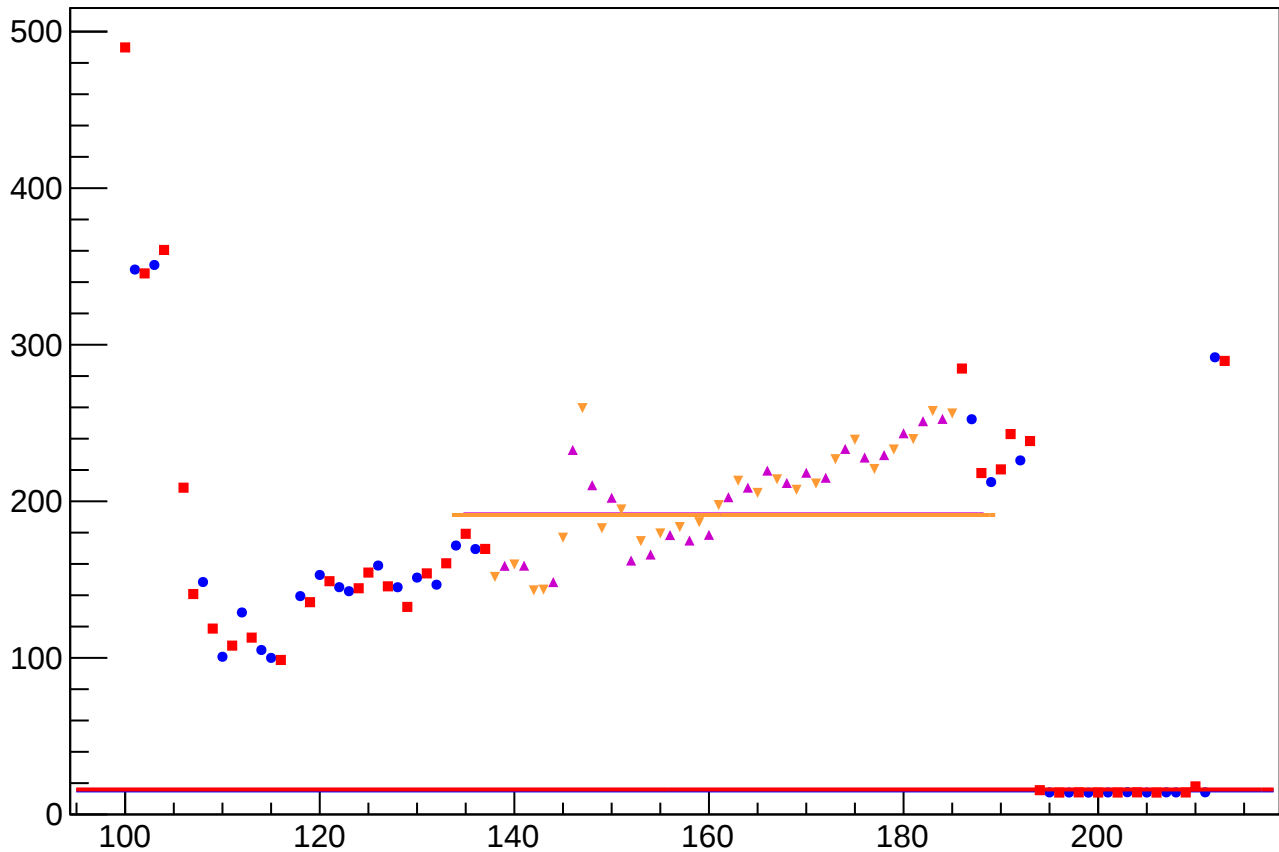
All: 195.912+/-0.017 χ^2/NDF : 8401440.8/111

yield_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: 3518.871 $\pm$ 0.005	χ^2 /NDF: 5027016469247.0/29	Left: 126836.943 $\pm$ 0.033	χ^2 /NDF: 1211882944.2/4
Left Out: 126981.724 $\pm$ 0.046	χ^2 /NDF: 530573115.8/24	Right: 3777.385 $\pm$ 0.004	χ^2 /NDF: 10981862104135
Right Out: 4090.592 $\pm$ 0.006	χ^2 /NDF: 5949609375147.4/33	In: 5073.227 $\pm$ 0.005	χ^2 /NDF: 11810145193062.6
Left In: 126682.659 $\pm$ 0.047	χ^2 /NDF: 660415880.0/22	Out: 6085.633 $\pm$ 0.006	χ^2 /NDF: 13119466071386.
		All: 5531.924 $\pm$ 0.004	χ^2 /NDF: 24946274142

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 15.337+/-0.004 χ^2/NDF : 14627946.6/29

Left Out: 191.263+/-0.032 χ^2/NDF : 992566.2/24

Right Out: 15.959+/-0.004 χ^2/NDF : 16898982.6/33

Left In: 191.683+/-0.033 χ^2/NDF : 864384.9/22

Left: 191.466+/-0.023 χ^2/NDF : 1857033.4/47

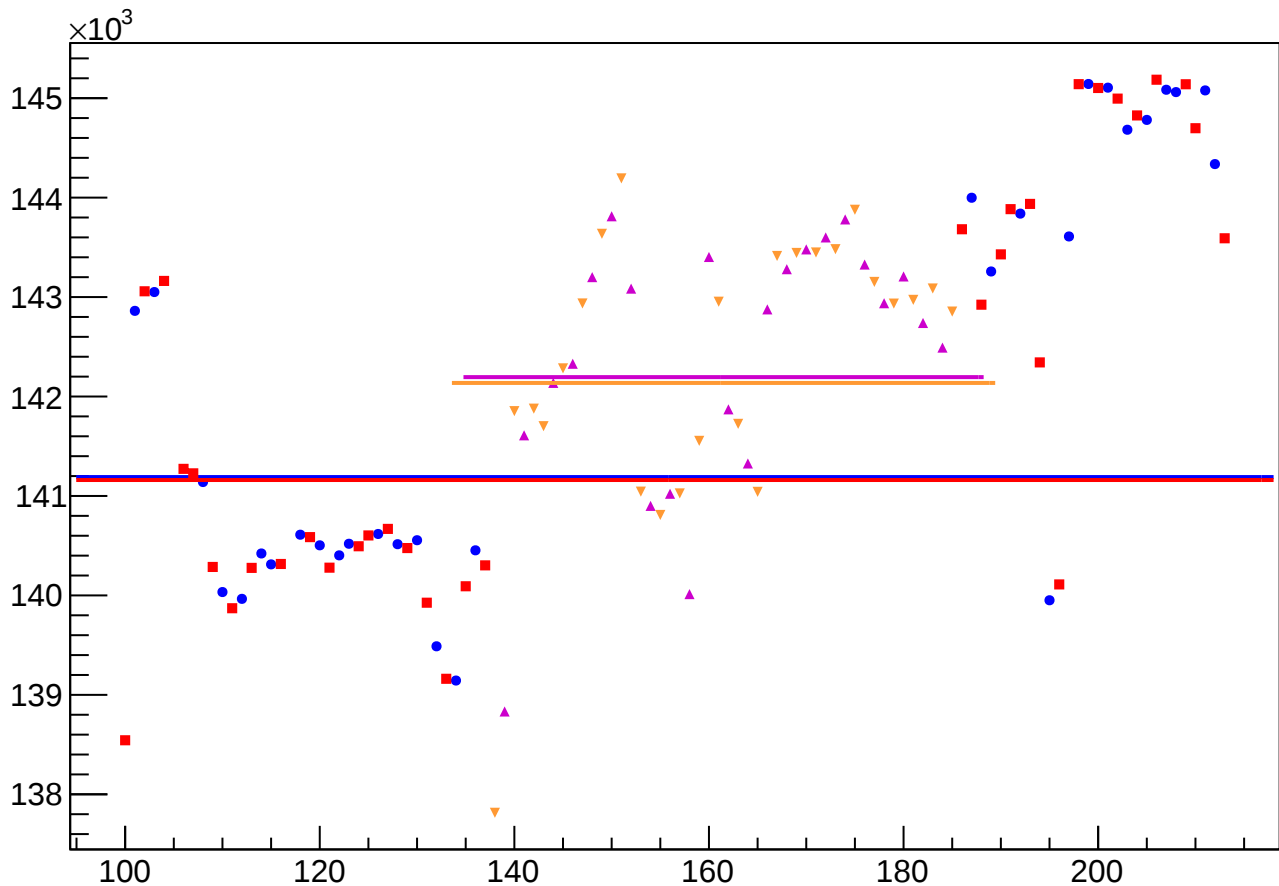
Right: 15.618+/-0.003 χ^2/NDF : 31539313.1/63

In: 17.562+/-0.004 χ^2/NDF : 43301101.2/52

Out: 18.804+/-0.004 χ^2/NDF : 47069426.4/58

All: 18.125+/-0.003 χ^2/NDF : 90420691.9/111

yield_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 141190.015 $\pm$ 0.057

χ^2 /NDF: 918849713.3/29

Left: 142164.953 $\pm$ 0.038

χ^2 /NDF: 1460209902.9/4

Right: 141173.971 $\pm$ 0.038

χ^2 /NDF: 1908281277.4/4

Left Out: 142136.579 $\pm$ 0.052

χ^2 /NDF: 815573343.0/24

In: 141717.061 $\pm$ 0.039

χ^2 /NDF: 1728452629.9/52

Right Out: 141160.341 $\pm$ 0.052

χ^2 /NDF: 989282746.9/33

Out: 141646.650 $\pm$ 0.037

χ^2 /NDF: 1979544790.7/5

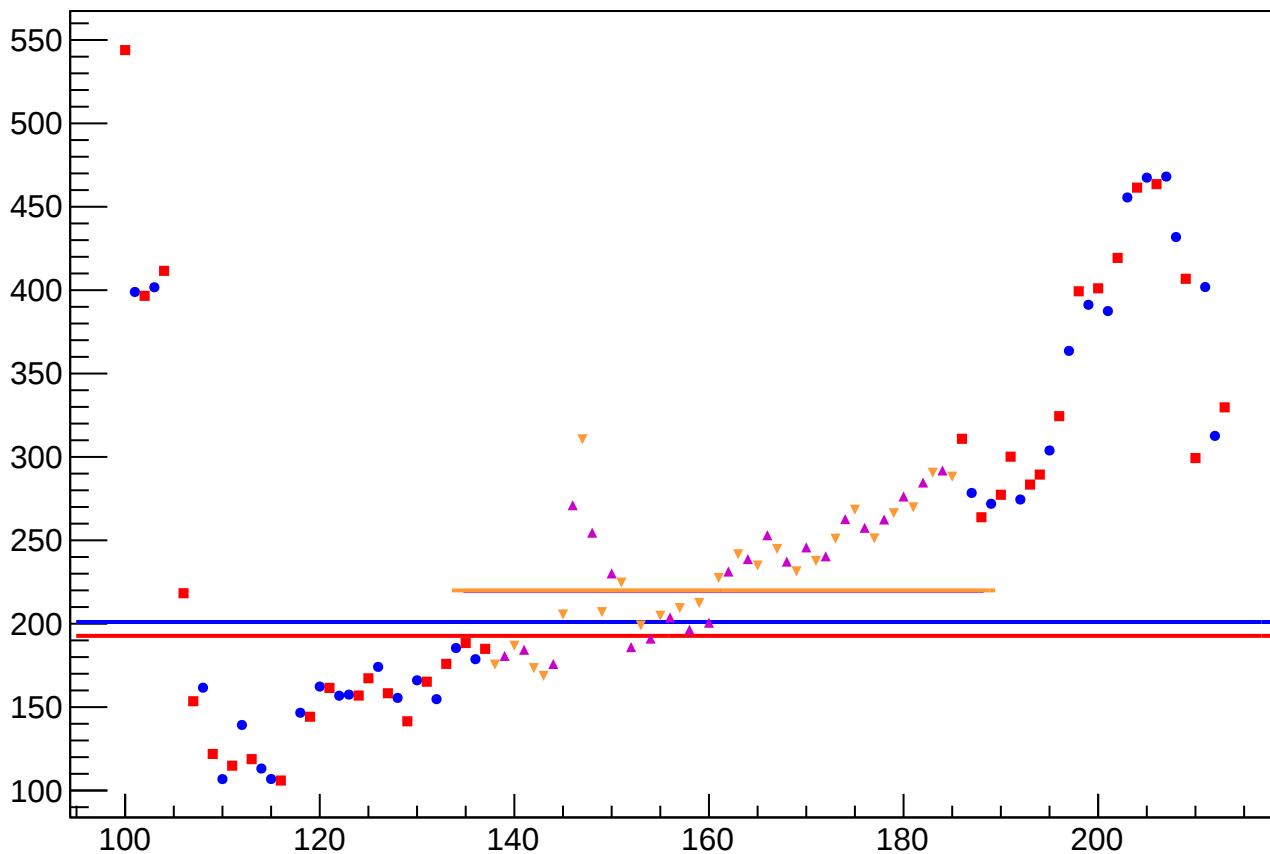
Left In: 142195.020 $\pm$ 0.054

χ^2 /NDF: 644030906.9/22

All: 141679.933 $\pm$ 0.027

χ^2 /NDF: 370971569.0/100

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 201.036+/-0.040 χ^2/NDF : 6014978.6/29

Left Out: 219.969+/-0.037 χ^2/NDF : 866616.3/24

Right Out: 192.723+/-0.037 χ^2/NDF : 6442104.1/33

Left In: 219.685+/-0.038 χ^2/NDF : 812745.1/22

Left: 219.831+/-0.027 χ^2/NDF : 1679390.1/47

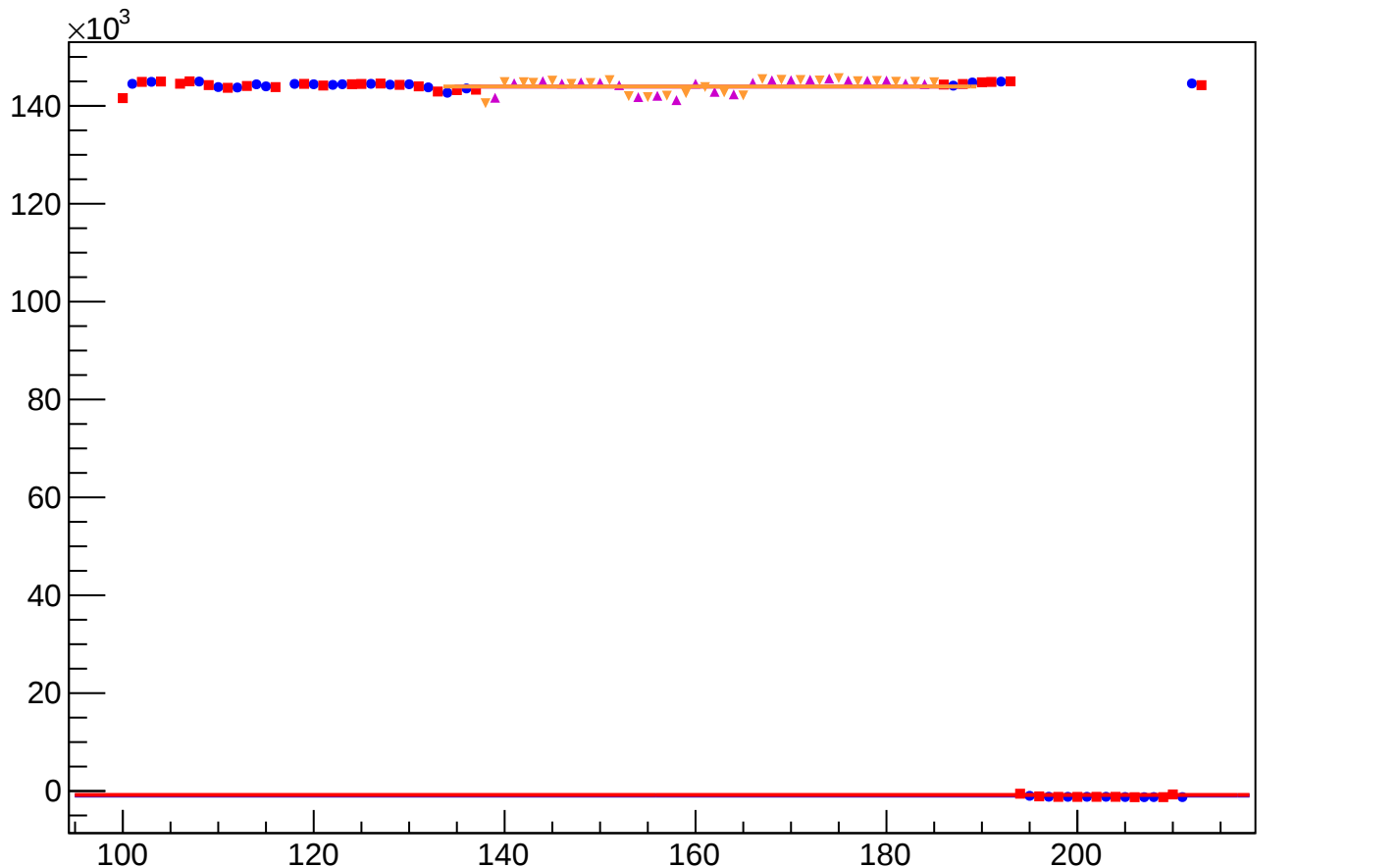
Right: 196.541+/-0.027 χ^2/NDF : 12480445.1/63

In: 210.816+/-0.028 χ^2/NDF : 6941736.7/52

Out: 206.295+/-0.026 χ^2/NDF : 7580865.7/58

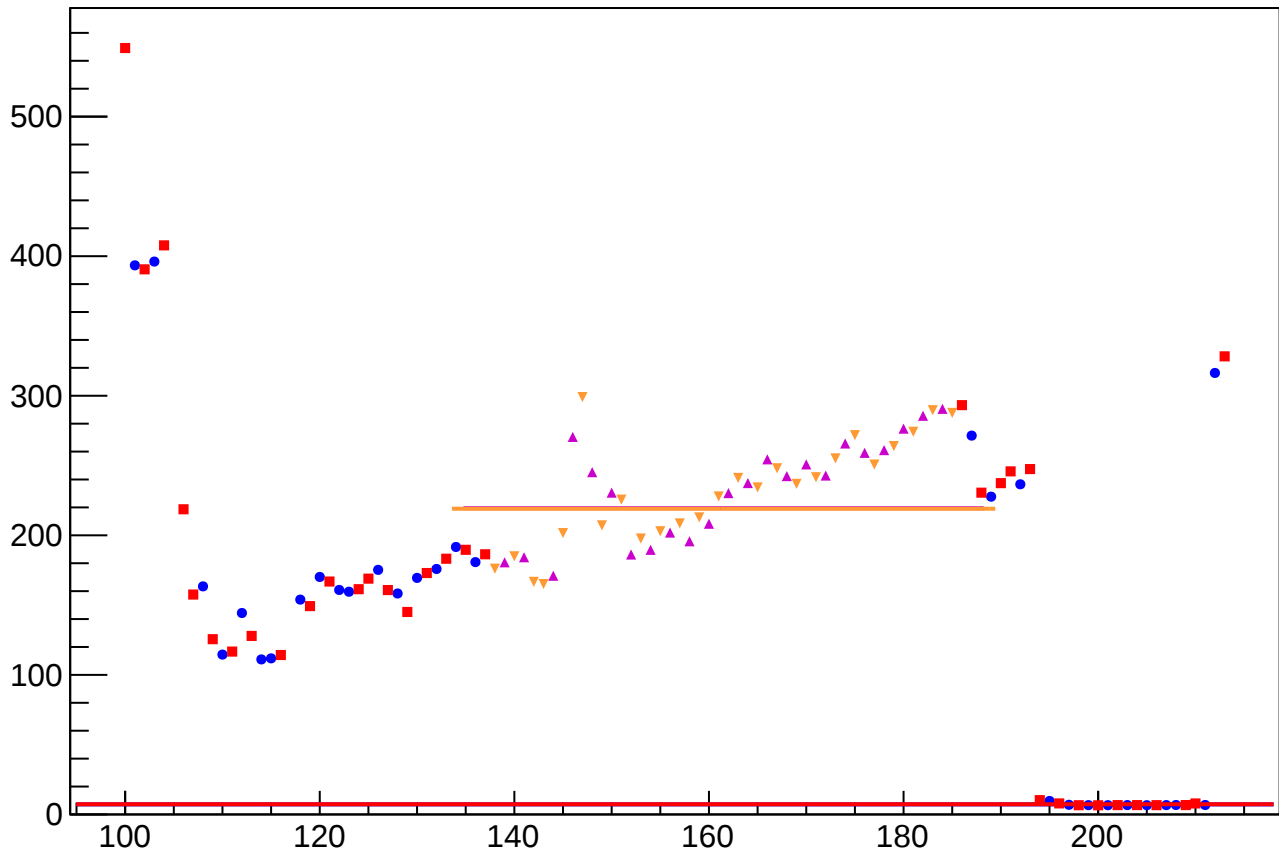
All: 208.432+/-0.019 χ^2/NDF : 14536766.8/11

yield_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -933.201 ± 0.003 $\chi^2/\text{NDF}: 5455631387938.1/29$
 Left Out: 143951.284 ± 0.052 $\chi^2/\text{NDF}: 864679545.2/24$
 Right Out: -800.010 ± 0.003 $\chi^2/\text{NDF}: 6545442711476.7/33$
 Left In: 143938.288 ± 0.054 $\chi^2/\text{NDF}: 719814685.6/22$
 All: -481.795 ± 0.002 $\chi^2/\text{NDF}: 26913724109$

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 7.208 $\pm$ 0.002 χ^2 /NDF: 16340396.6/29

Left Out: 219.050 $\pm$ 0.037 χ^2 /NDF:934417.6/24

Right Out: 7.321 $\pm$ 0.002 χ^2 /NDF: 18867640.7/33

Left In: 219.426 $\pm$ 0.038 χ^2 /NDF:850089.5/22

Left: 219.232 $\pm$ 0.026 χ^2 /NDF: 1784557.4/47

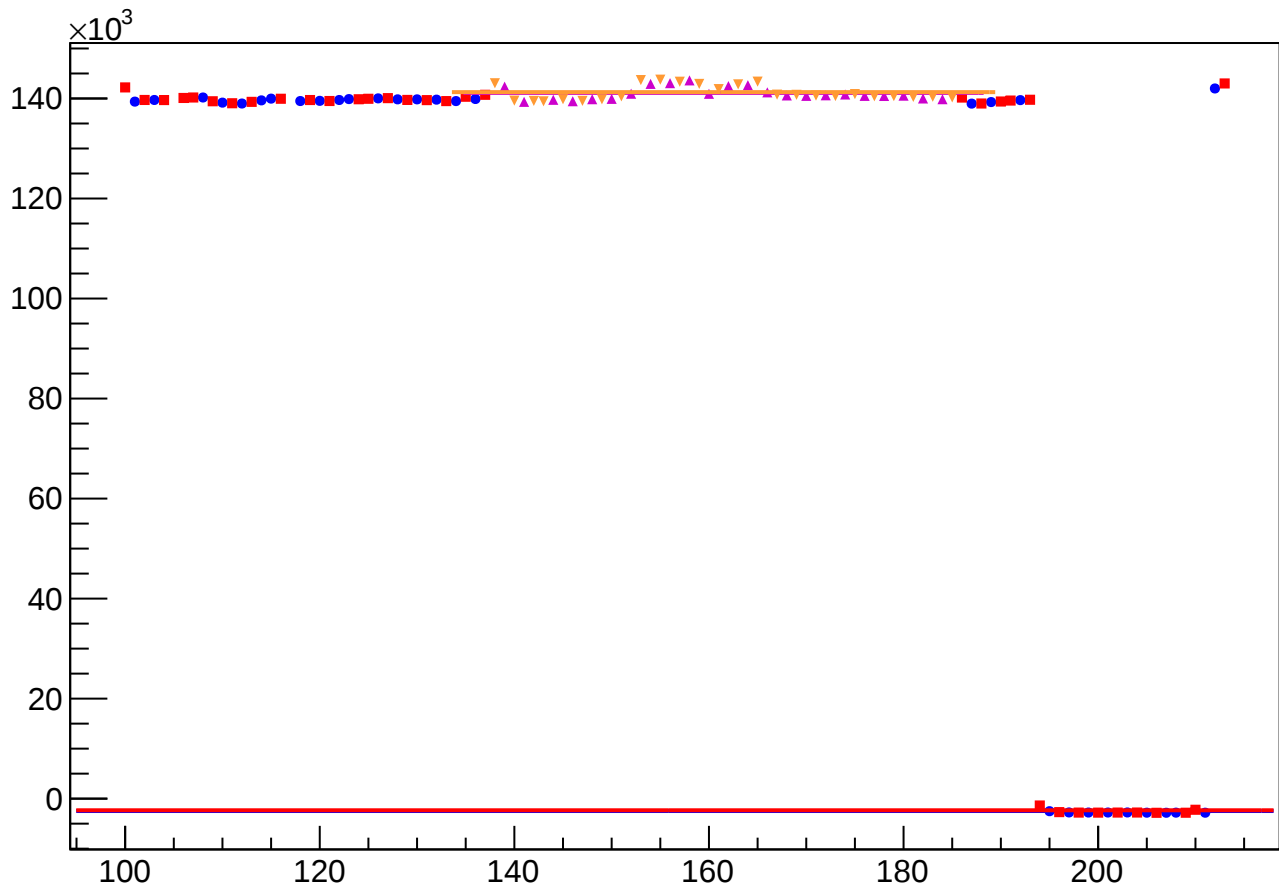
Right: 7.259 $\pm$ 0.001 χ^2 /NDF: 35209704.4/63

In: 7.715 $\pm$ 0.002 χ^2 /NDF:48187887.6/52

Out: 7.971 $\pm$ 0.002 χ^2 /NDF:52686004.4/58

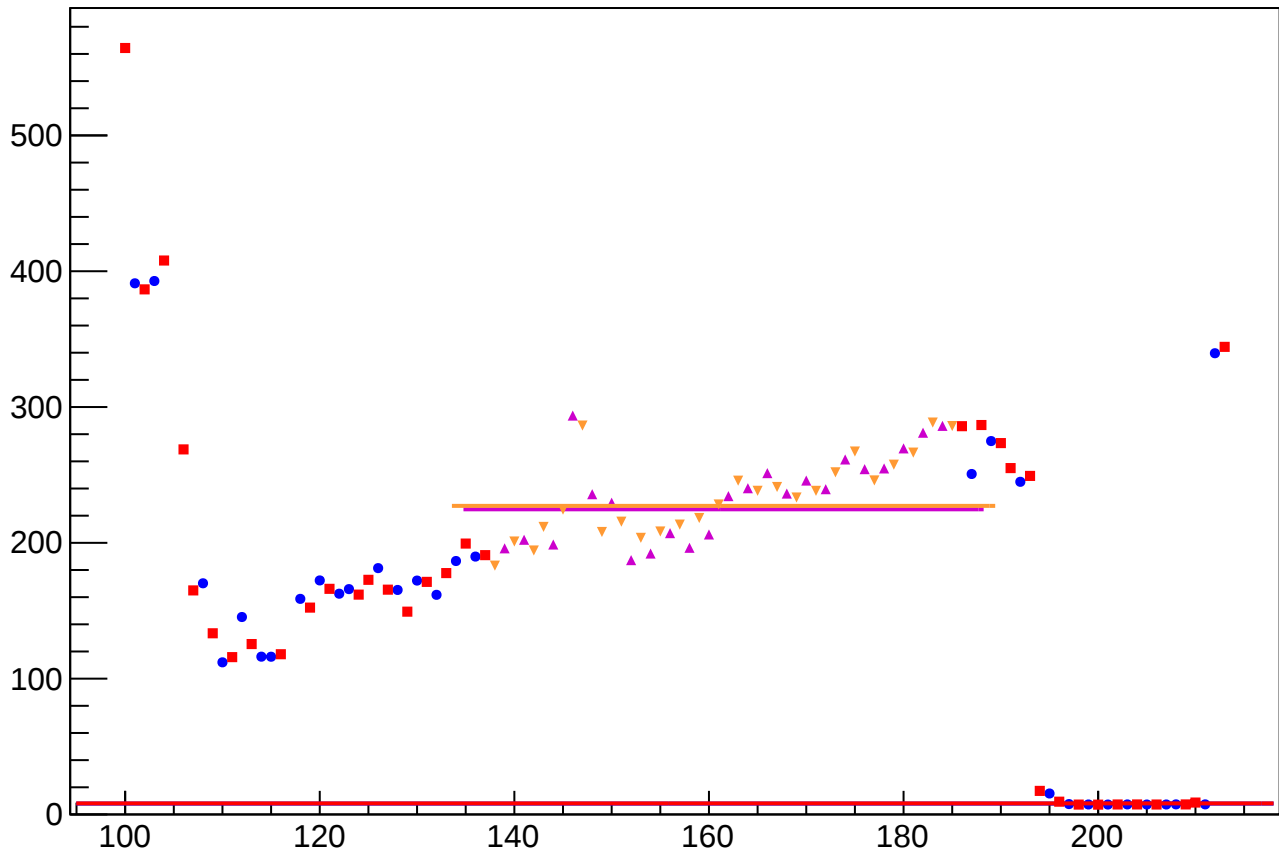
All: 7.831 $\pm$ 0.001 χ^2 /NDF: 100882474.1/111

yield_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -2473.698 $\pm$ 0.003	χ^2 /NDF: 5001125564744.8/29	Left: 141195.809 $\pm$ 0.038	χ^2 /NDF: 1365080862.2/4
Left Out: 141268.791 $\pm$ 0.054	χ^2 /NDF: 795989244.2/24	Right: -2407.318 $\pm$ 0.002	χ^2 /NDF: 1092375660449
Right Out: -2327.246 $\pm$ 0.003	χ^2 /NDF: 5921513755819.4/33	In: -2060.582 $\pm$ 0.003	χ^2 /NDF: 11819341652356.5
Left In: 141119.484 $\pm$ 0.055	χ^2 /NDF: 565312728.1/22	Out: -1806.477 $\pm$ 0.003	χ^2 /NDF: 13047147470074
		All: -1945.360 $\pm$ 0.002	χ^2 /NDF: 2486986379

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 8.000 ± 0.002 $\chi^2/\text{NDF}: 16497044.5/29$

Left Out: 227.224 ± 0.038 $\chi^2/\text{NDF}: 484955.3/24$

Right Out: 8.144 ± 0.002 $\chi^2/\text{NDF}: 18904667.9/33$

Left In: 224.686 ± 0.039 $\chi^2/\text{NDF}: 578366.0/22$

Left: 225.984 ± 0.027 $\chi^2/\text{NDF}: 1065504.5/47$

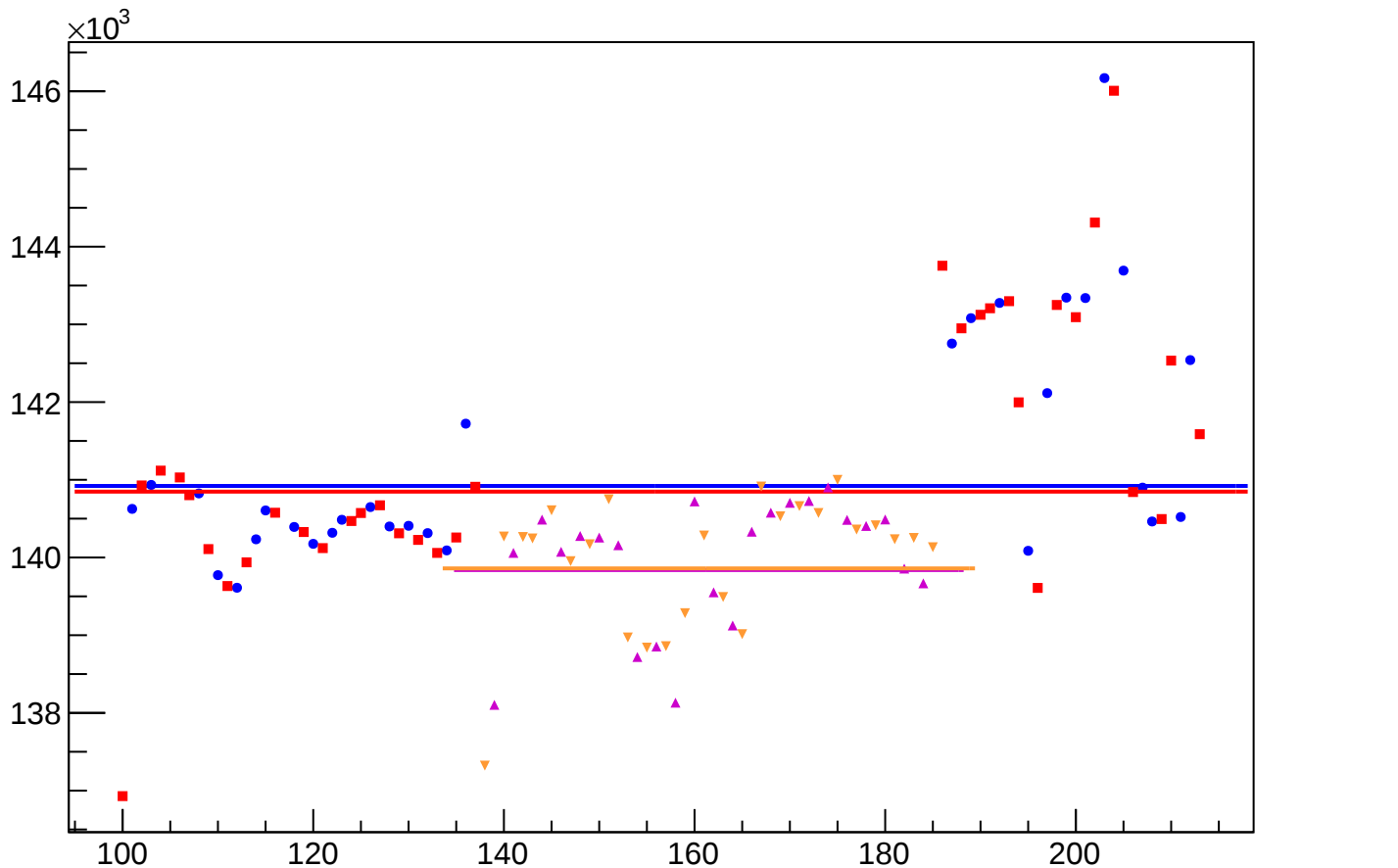
Right: 8.065 ± 0.002 $\chi^2/\text{NDF}: 35403896.0/63$

In: 8.623 ± 0.002 $\chi^2/\text{NDF}: 48125432.7/52$

Out: 8.939 ± 0.002 $\chi^2/\text{NDF}: 52557995.7/58$

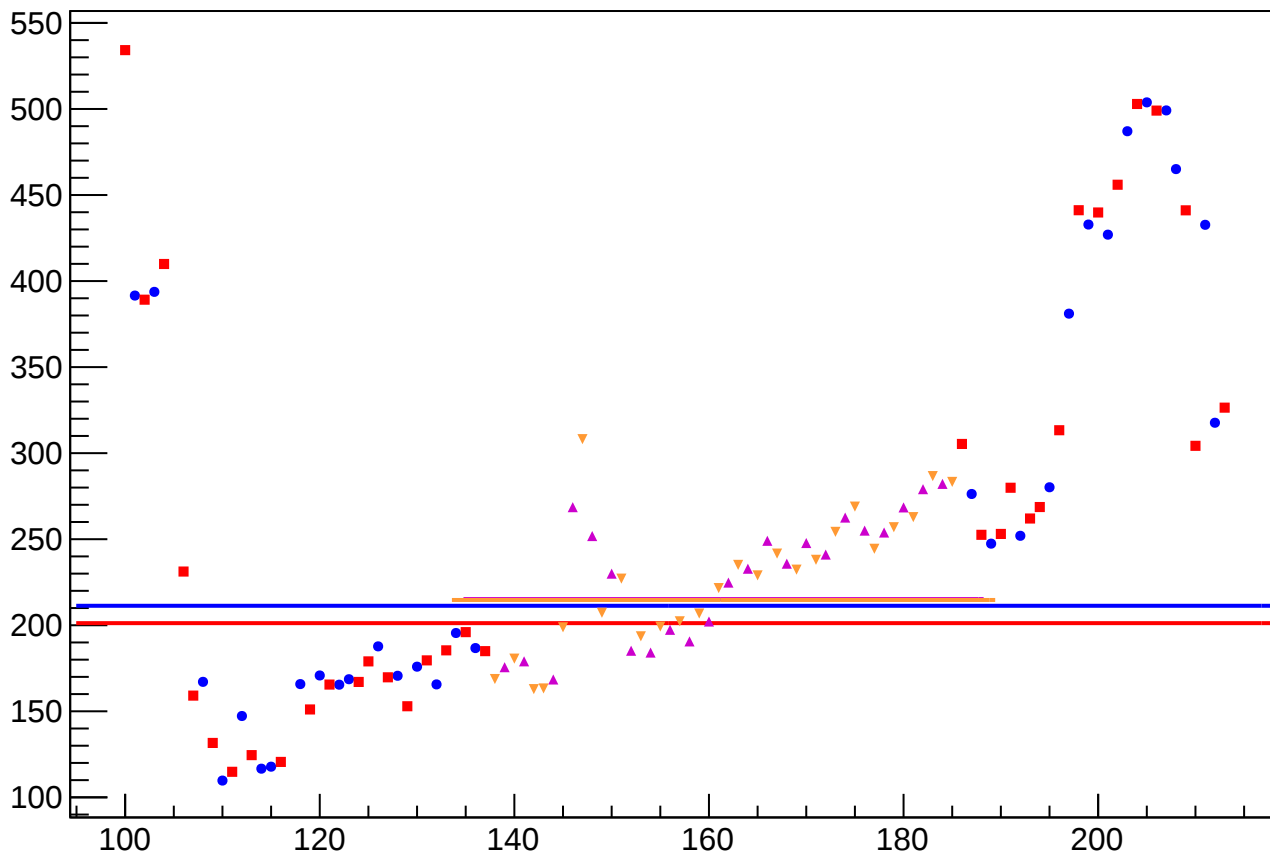
All: 8.766 ± 0.002 $\chi^2/\text{NDF}: 100693858.9/111$

yield_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 140920.698 $\pm$ 0.059 χ^2 /NDF: 448955266.5/29
 Left Out: 139859.696 $\pm$ 0.051 χ^2 /NDF:330118281.5/24
 Right Out: 140847.722 $\pm$ 0.054 χ^2 /NDF: 529662694.7/33
 Left In: 139838.724 $\pm$ 0.053 χ^2 /NDF:279573689.3/22
 Left: 139849.553 $\pm$ 0.037 χ^2 /NDF: 609773442.9/47
 Right: 140880.908 $\pm$ 0.040 χ^2 /NDF: 979445285.2/60
 In: 140317.684 $\pm$ 0.039 χ^2 /NDF:914424875.6/52
 Out: 140325.489 $\pm$ 0.037 χ^2 /NDF:1036047472.5/50
 All: 140321.817 $\pm$ 0.027 χ^2 /NDF: 195049311.0/103

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 211.317 $\pm$ 0.042 χ^2 /NDF: 5746438.1/29

Left Out: 214.693 $\pm$ 0.036 χ^2 /NDF: 981105.5/24

Right Out: 201.224 $\pm$ 0.038 χ^2 /NDF: 6043330.1/33

Left In: 215.222 $\pm$ 0.037 χ^2 /NDF: 881945.0/22

Left: 214.949 $\pm$ 0.026 χ^2 /NDF: 1863154.2/47

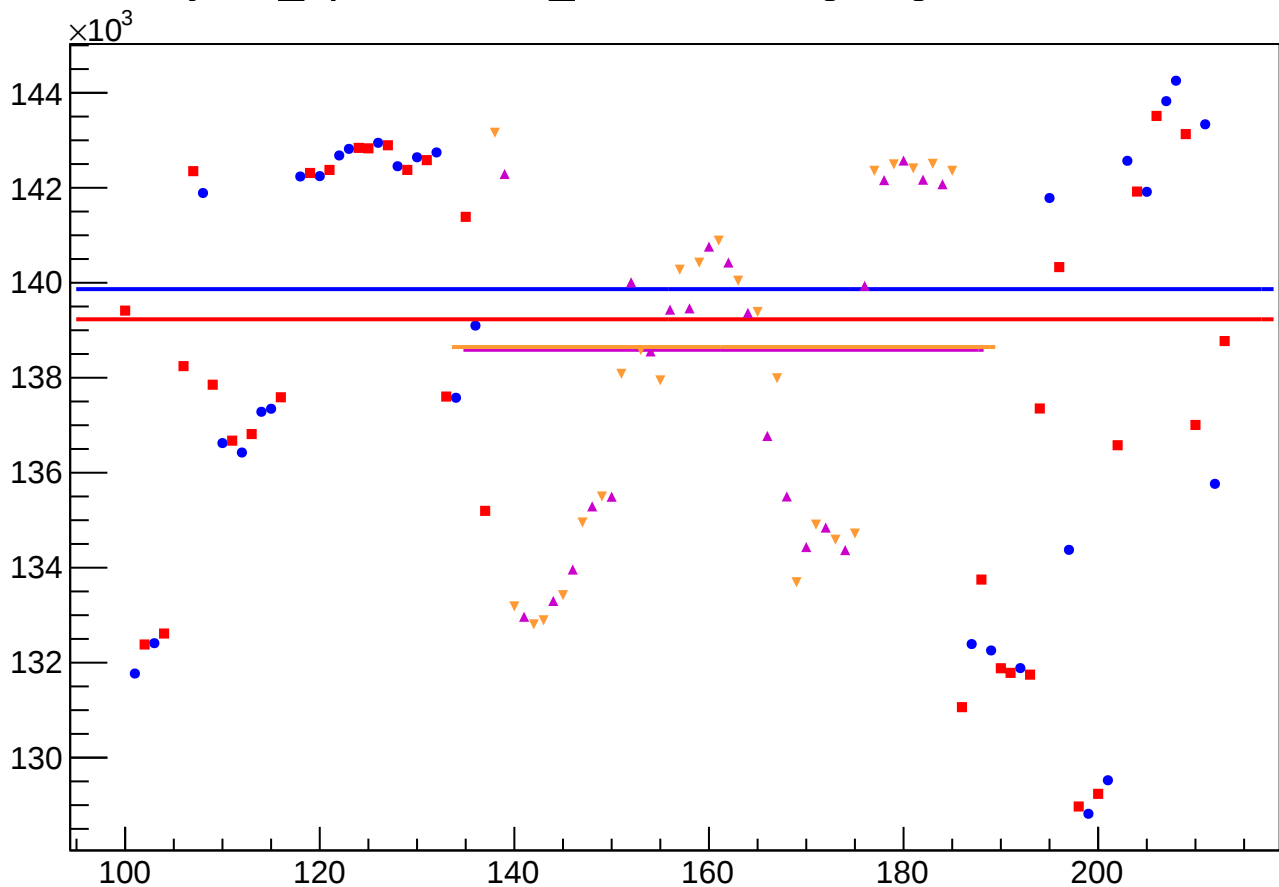
Right: 205.814 $\pm$ 0.028 χ^2 /NDF: 11821422.2/63

In: 213.493 $\pm$ 0.028 χ^2 /NDF: 6633225.0/52

Out: 208.343 $\pm$ 0.026 χ^2 /NDF: 7089949.7/58

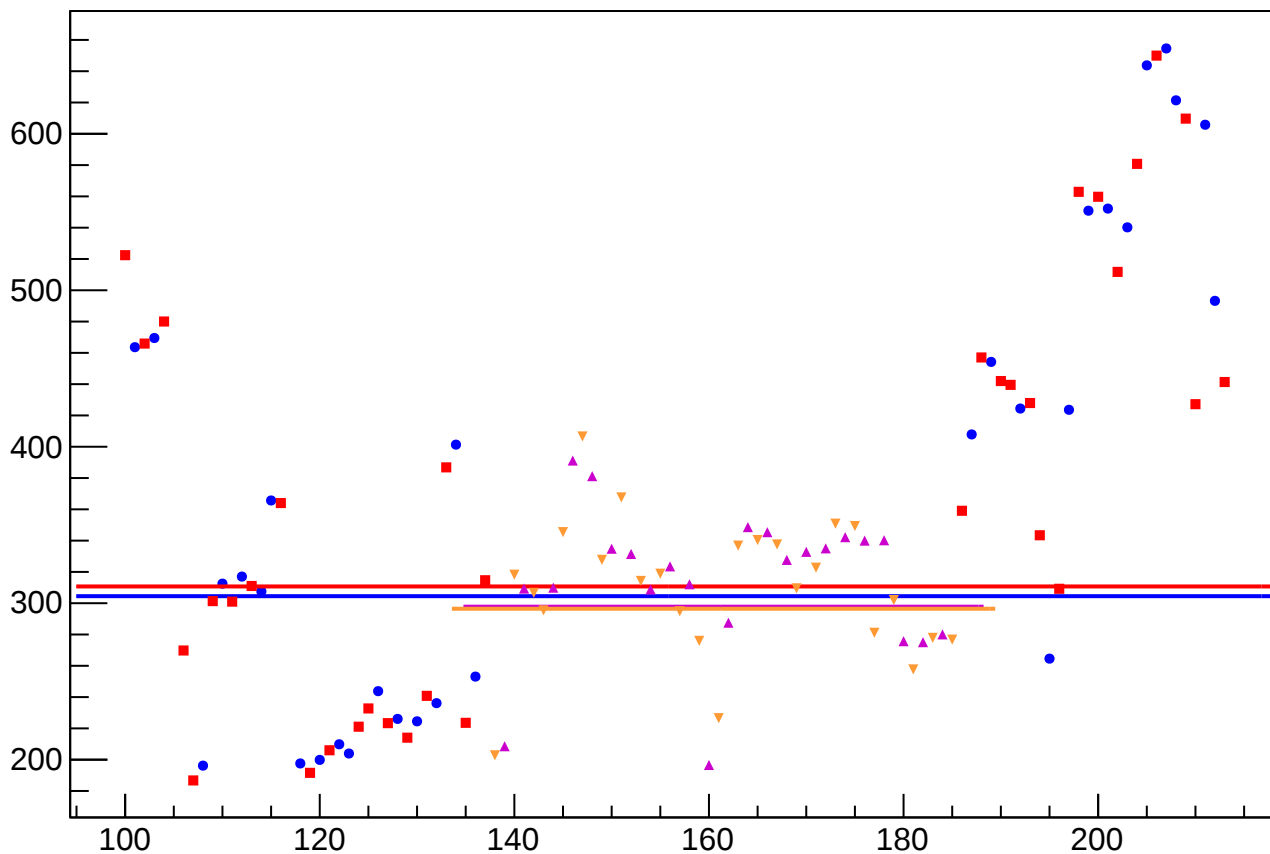
All: 210.766 $\pm$ 0.019 χ^2 /NDF: 13741258.9/11

yield_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 139865.953 $\pm$ 0.084 χ^2 /NDF: 2332416655.3/29
 Left Out: 138646.366 $\pm$ 0.071 χ^2 /NDF: 2548637600.4/24
 Right Out: 139230.972 $\pm$ 0.082 χ^2 /NDF: 2436174988.8/33
 Left In: 138588.711 $\pm$ 0.074 χ^2 /NDF: 1948065195.1/22
 Left: 138618.660 $\pm$ 0.051 χ^2 /NDF: 4497021019.3/4
 Right: 139538.603 $\pm$ 0.059 χ^2 /NDF: 4797989541.2/4
 In: 139143.296 $\pm$ 0.055 χ^2 /NDF: 4411023464.8/52
 Out: 138897.950 $\pm$ 0.053 χ^2 /NDF: 5014112274.5/5
 All: 139016.267 $\pm$ 0.038 χ^2 /NDF: 943528726

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 304.491+/-0.059 χ^2/NDF : 4724358.0/29

Left Out: 296.464+/-0.050 χ^2/NDF : 893579.7/24

Right Out: 310.714+/-0.058 χ^2/NDF : 4389447.8/33

Left In: 297.774+/-0.052 χ^2/NDF : 1061489.5/22

Left: 297.094+/-0.036 χ^2/NDF : 1955397.8/47

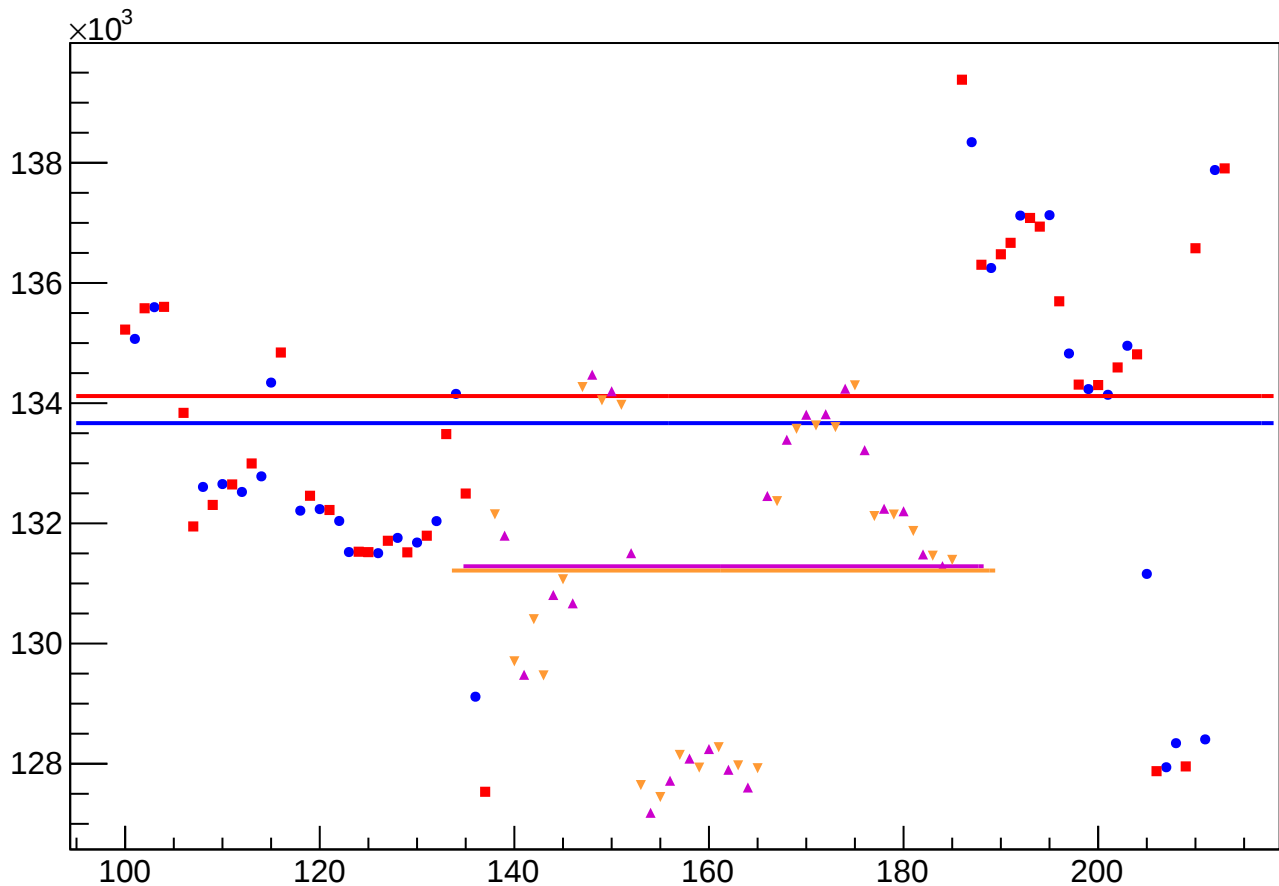
Right: 307.699+/-0.041 χ^2/NDF : 9119452.2/63

In: 300.691+/-0.039 χ^2/NDF : 5793068.5/52

Out: 302.597+/-0.038 χ^2/NDF : 5317843.1/58

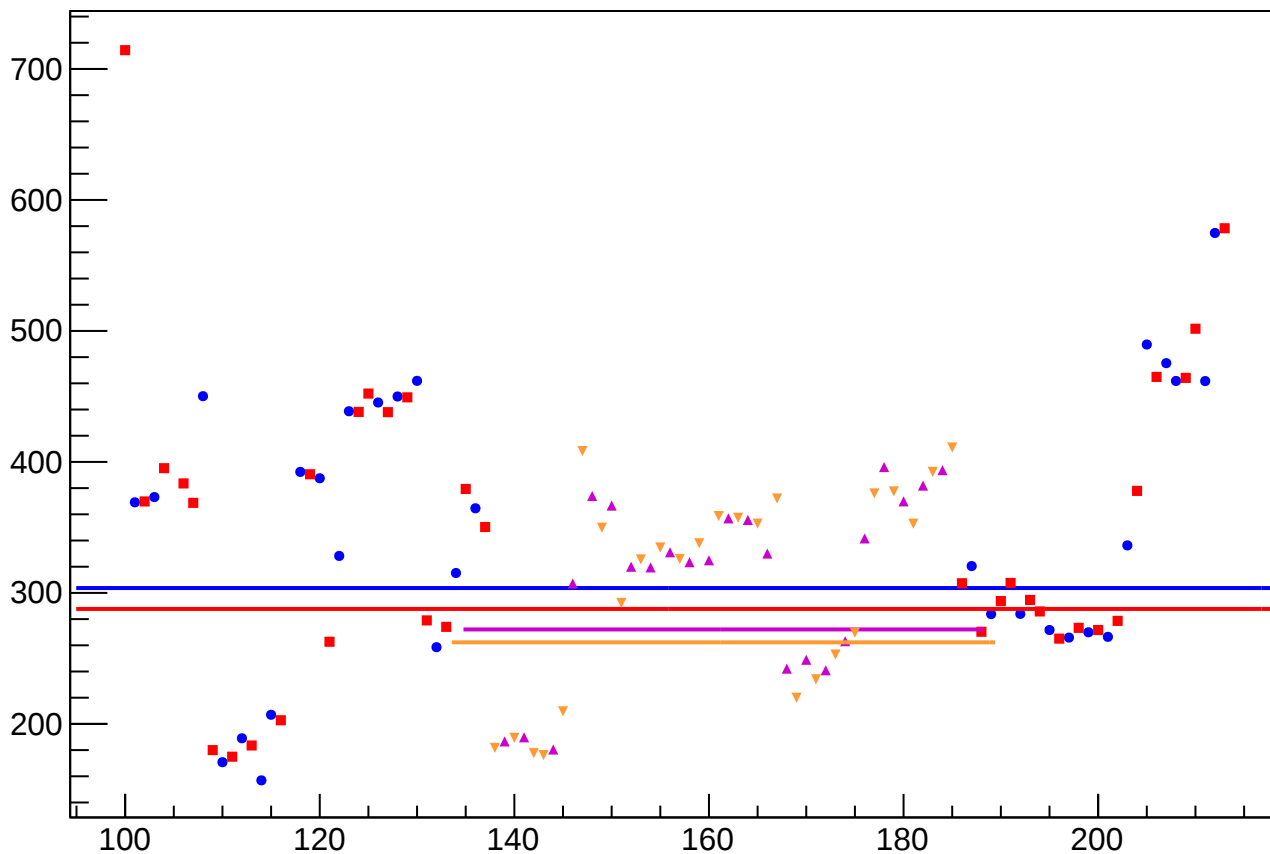
All: 301.678+/-0.027 χ^2/NDF : 11112136.6/111

yield_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: 133667.831 $\pm$ 0.080	χ^2/NDF : 974661005.0/29	Left: 131248.166 $\pm$ 0.047	χ^2/NDF : 2230223308.9/4
Left Out: 131214.985 $\pm$ 0.064	χ^2/NDF : 1173424494.6/24	Right: 133913.399 $\pm$ 0.054	χ^2/NDF : 2016882047.9/5
Right Out: 134118.493 $\pm$ 0.074	χ^2/NDF : 1025121149.8/33	In: 132284.064 $\pm$ 0.052	χ^2/NDF : 2540239583.2/52
Left In: 131285.623 $\pm$ 0.068	χ^2/NDF : 1056232192.1/22	Out: 132473.718 $\pm$ 0.048	χ^2/NDF : 3082072196.9/5
		All: 132385.817 $\pm$ 0.035	χ^2/NDF : 562942613.0/100

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 303.720 ± 0.057 $\chi^2/\text{NDF}: 2784023.9/29$

Left Out: 262.260 ± 0.045 $\chi^2/\text{NDF}: 2818169.1/24$

Right Out: 287.772 ± 0.052 $\chi^2/\text{NDF}: 2941402.7/33$

Left In: 272.115 ± 0.048 $\chi^2/\text{NDF}: 2221925.0/22$

Left: 266.889 ± 0.033 $\chi^2/\text{NDF}: 5062151.8/47$

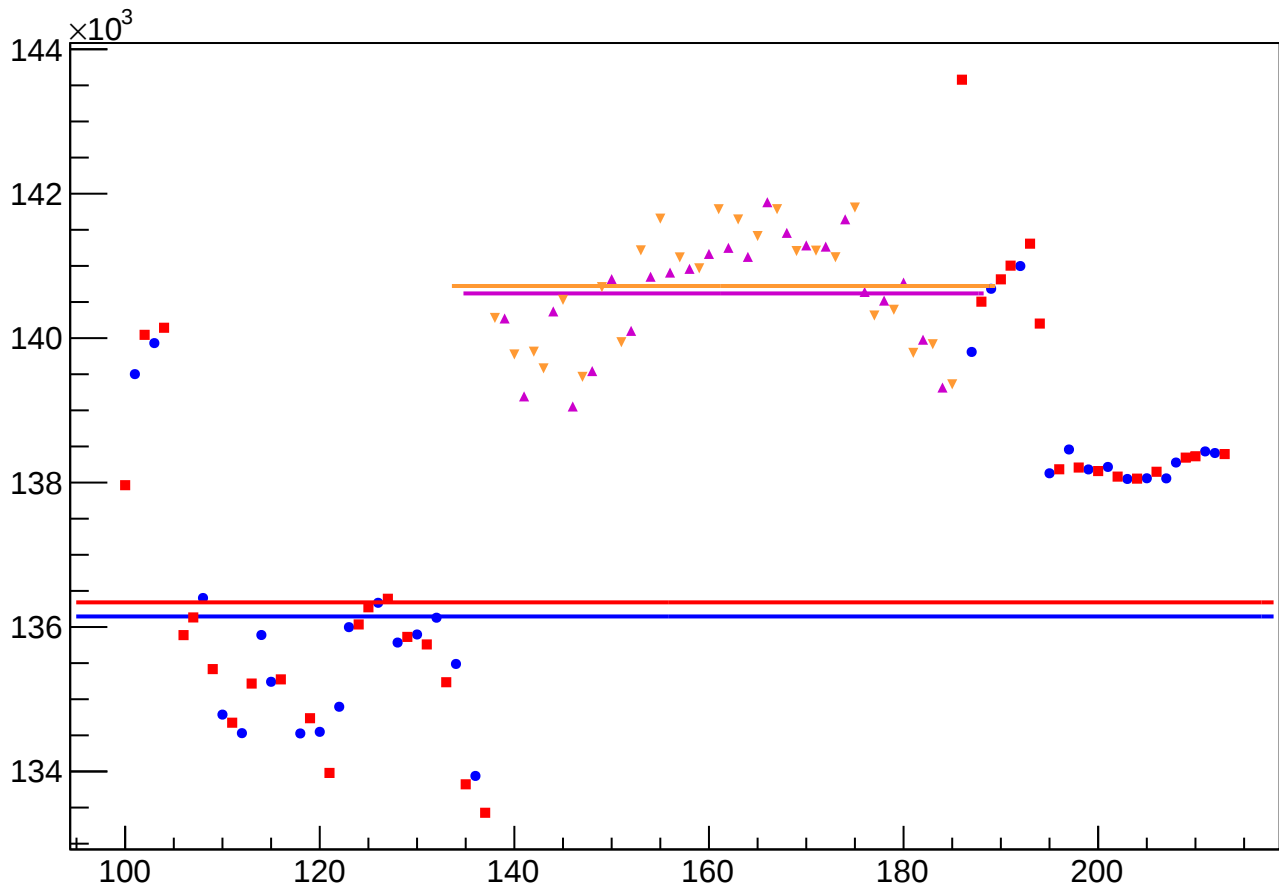
Right: 295.030 ± 0.038 $\chi^2/\text{NDF}: 5768253.9/63$

In: 285.361 ± 0.037 $\chi^2/\text{NDF}: 5185257.1/52$

Out: 273.320 ± 0.034 $\chi^2/\text{NDF}: 5896001.5/58$

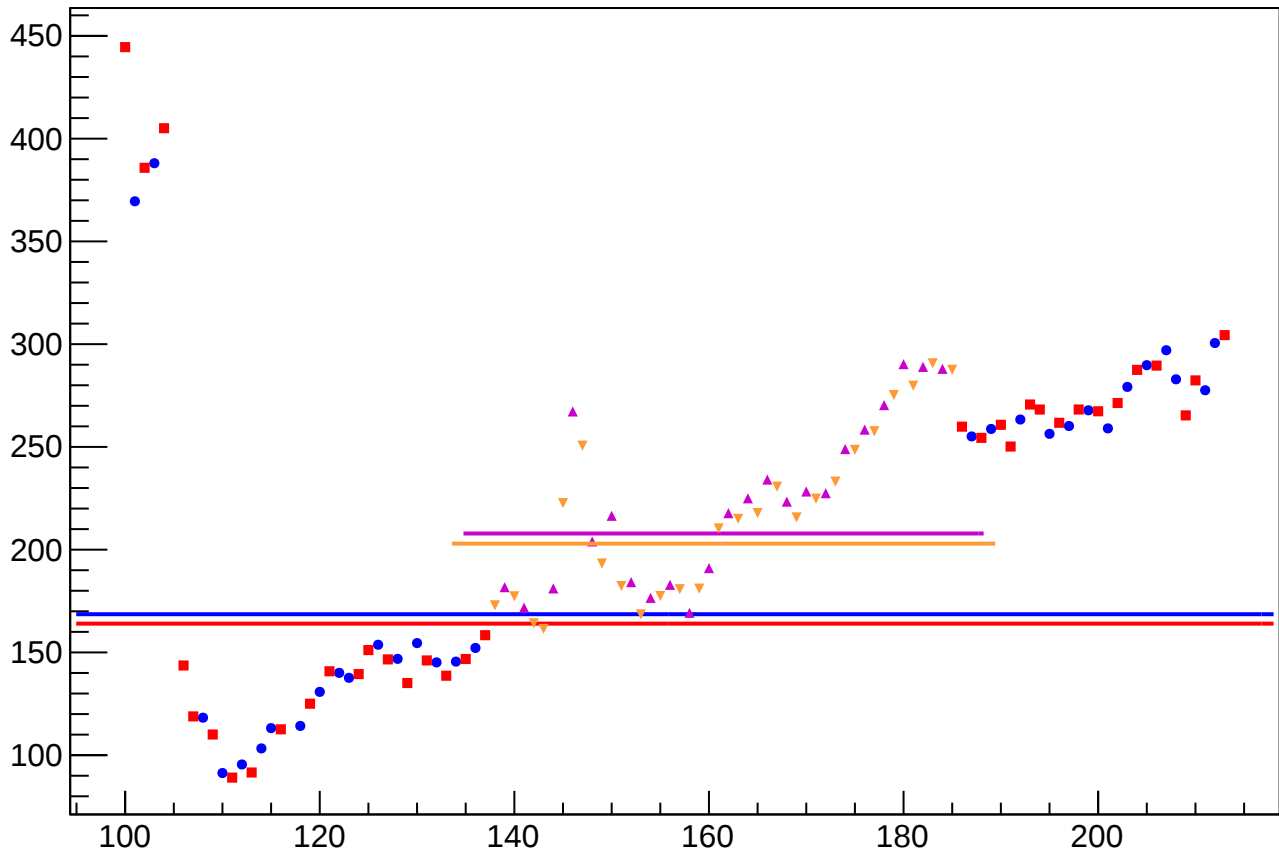
All: 278.901 ± 0.025 $\chi^2/\text{NDF}: 11138616.4/111$

yield_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 136146.196 $\pm$ 0.047 χ^2 /NDF: 1585842052.4/29
 Left Out: 140721.823 $\pm$ 0.048 χ^2 /NDF: 247257762.8/24
 Right Out: 136341.334 $\pm$ 0.044 χ^2 /NDF: 2210961878.6/33
 Left In: 140619.038 $\pm$ 0.051 χ^2 /NDF: 200370178.0/22
 Left: 140673.196 $\pm$ 0.035 χ^2 /NDF: 449761004.9/47
 Right: 136249.542 $\pm$ 0.032 χ^2 /NDF: 3806103923.5/47
 In: 138176.089 $\pm$ 0.034 χ^2 /NDF: 5973215896.2/52
 Out: 138317.563 $\pm$ 0.033 χ^2 /NDF: 6952869481.6/52
 All: 138250.841 $\pm$ 0.024 χ^2 /NDF: 129350147.0/101

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 168.599 $\pm$ 0.033 χ^2/NDF : 5085844.6/29

Left Out: 202.934 $\pm$ 0.034 χ^2/NDF :1052283.6/24

Right Out: 164.011 $\pm$ 0.031 χ^2/NDF : 5756018.6/33

Left In: 207.872 $\pm$ 0.036 χ^2/NDF :949200.3/22

Left: 205.270 $\pm$ 0.025 χ^2/NDF : 2011329.4/47

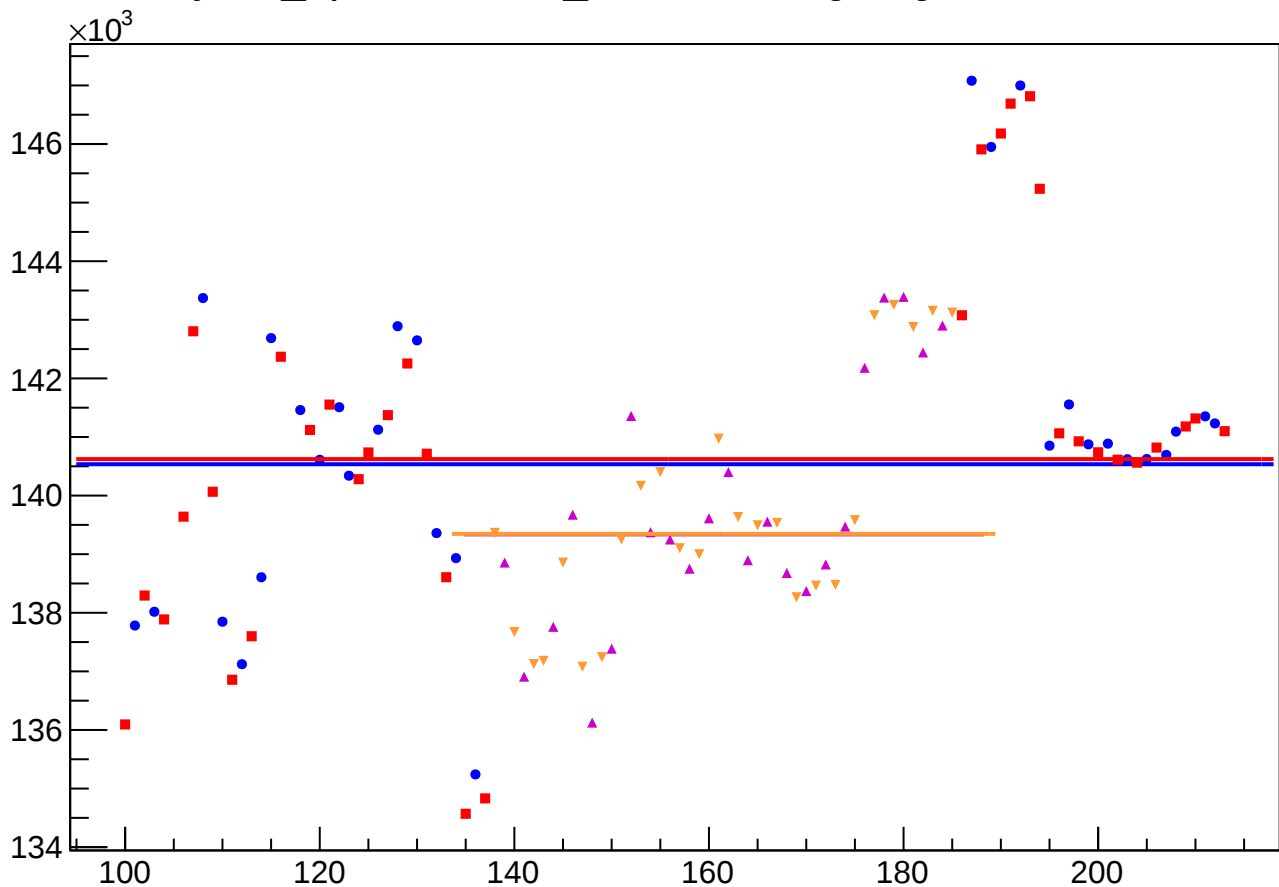
Right: 166.169 $\pm$ 0.023 χ^2/NDF : 10852143.9/63

In: 186.422 $\pm$ 0.024 χ^2/NDF :6680624.0/52

Out: 181.571 $\pm$ 0.023 χ^2/NDF :7518020.2/58

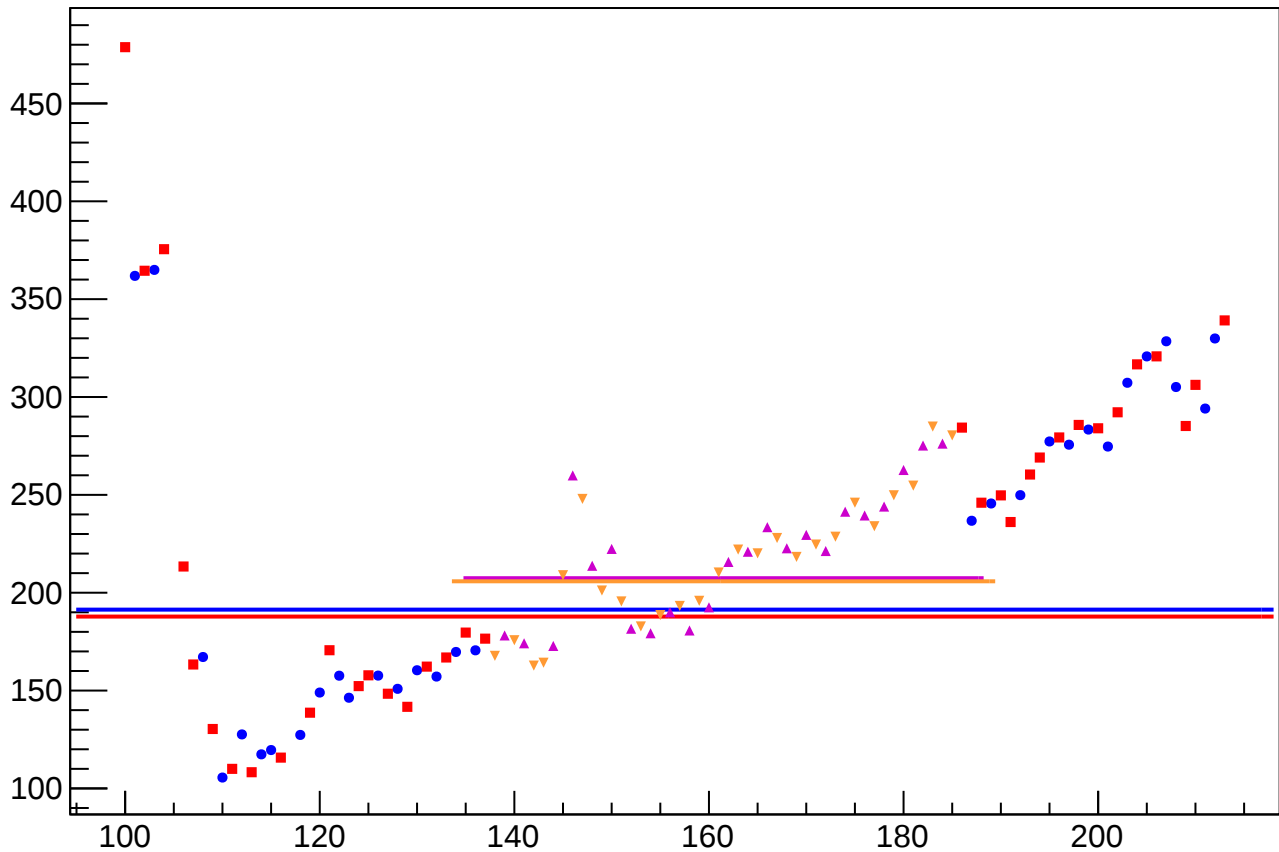
All: 183.859 $\pm$ 0.017 χ^2/NDF : 14219641.4/11

yield_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 140535.016 $\pm$ 0.052	χ^2 /NDF: 2783108925.9/29	Left: 139342.403 $\pm$ 0.035	χ^2 /NDF: 2564192227.9/4
Left Out: 139346.604 $\pm$ 0.049	χ^2 /NDF: 1271172976.7/24	Right: 140581.138 $\pm$ 0.036	χ^2 /NDF: 6004490100.5/
Right Out: 140622.672 $\pm$ 0.049	χ^2 /NDF: 3219879473.1/33	In: 139924.235 $\pm$ 0.036	χ^2 /NDF: 4347707257.8/52
Left In: 139337.874 $\pm$ 0.051	χ^2 /NDF: 1293003954.9/22	Out: 139981.094 $\pm$ 0.035	χ^2 /NDF: 4828747074.9/5
		All: 139953.939 $\pm$ 0.025	χ^2 /NDF: 917773512

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 191.360 $\pm$ 0.037 χ^2 /NDF: 4063448.6/29

Left Out: 205.833 $\pm$ 0.035 χ^2 /NDF:738666.4/24

Right Out: 187.813 $\pm$ 0.035 χ^2 /NDF: 4581822.6/33

Left In: 207.416 $\pm$ 0.036 χ^2 /NDF:701955.3/22

Left: 206.595 $\pm$ 0.025 χ^2 /NDF: 1441628.2/47

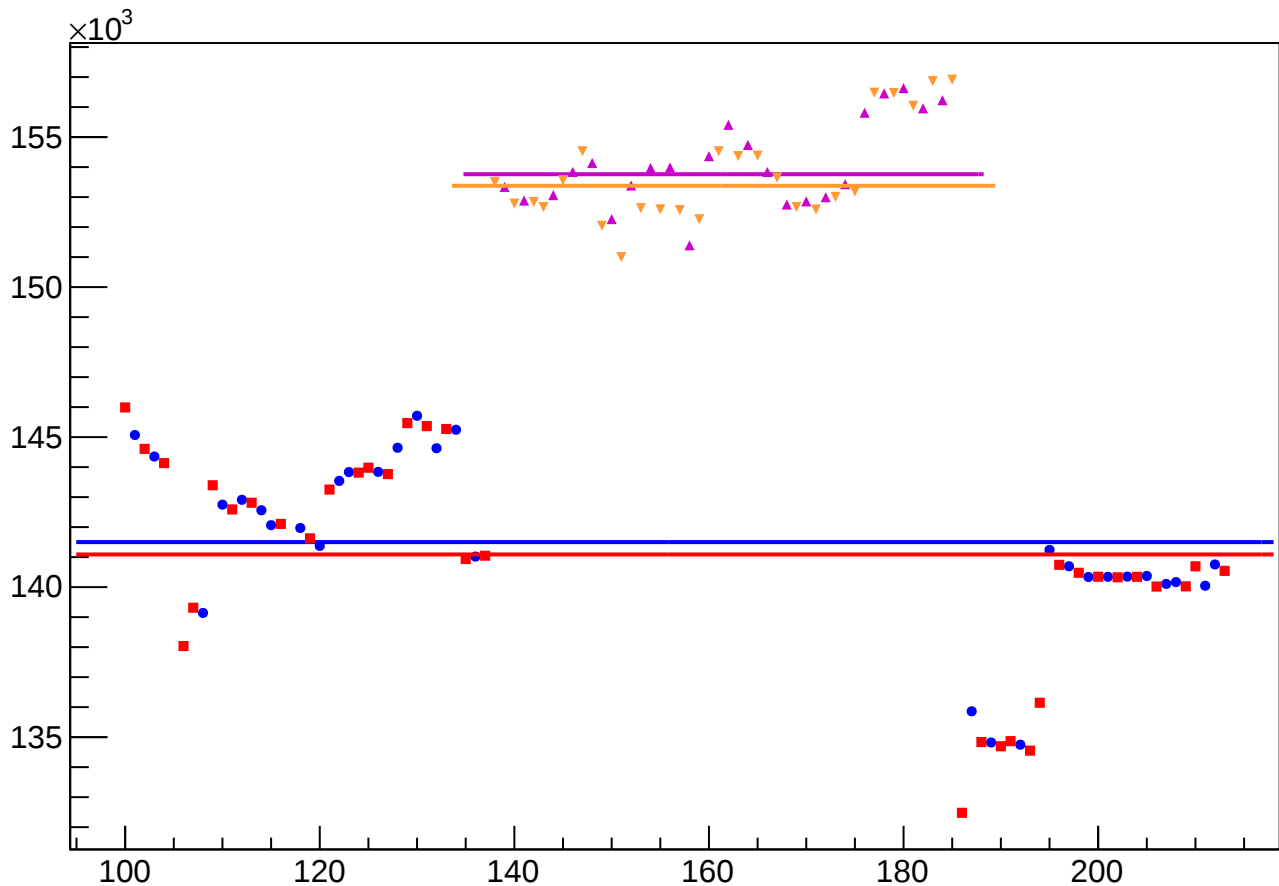
Right: 189.494 $\pm$ 0.025 χ^2 /NDF: 8650189.2/63

In: 199.552 $\pm$ 0.026 χ^2 /NDF:4863114.0/52

Out: 196.873 $\pm$ 0.025 χ^2 /NDF:5455169.1/58

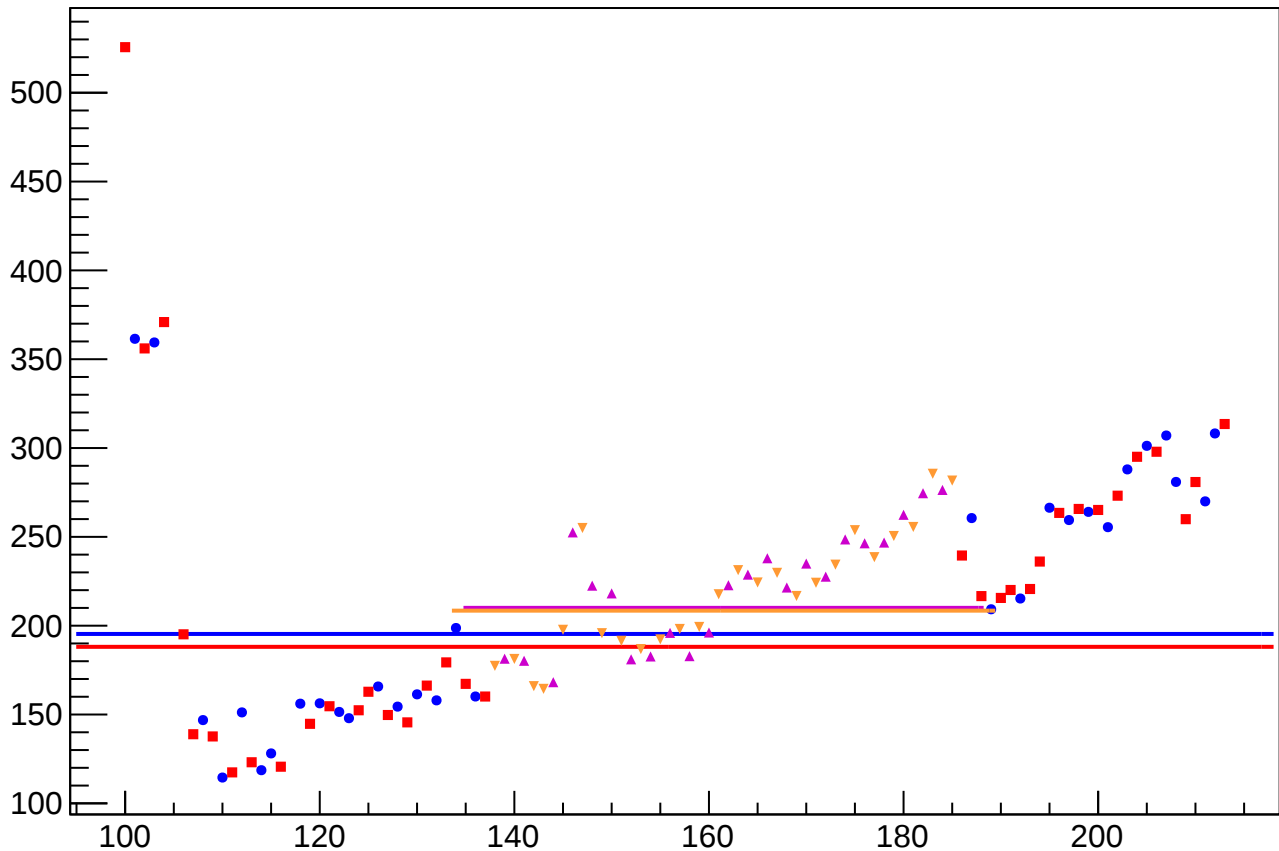
All: 198.152 $\pm$ 0.018 χ^2 /NDF: 10323969.7/111

yield_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 141500.469 $\pm$ 0.052	χ^2 /NDF: 2735630008.1/29	Left: 153562.262 $\pm$ 0.036	χ^2 /NDF: 1468093411.3/4
Left Out: 153376.698 $\pm$ 0.050	χ^2 /NDF: 803848095.1/24	Right: 141279.973 $\pm$ 0.035	χ^2 /NDF: 7215732218.8/5
Right Out: 141089.196 $\pm$ 0.048	χ^2 /NDF: 4446543845.8/33	In: 147695.092 $\pm$ 0.037	χ^2 /NDF: 31479703278.5/5
Left In: 153762.419 $\pm$ 0.051	χ^2 /NDF: 635075685.0/22	Out: 147084.561 $\pm$ 0.035	χ^2 /NDF: 36758596319.9
		All: 147372.982 $\pm$ 0.025	χ^2 /NDF: 683853767

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 195.349+/-0.037 χ^2/NDF : 2990639.5/29

Left Out: 208.466+/-0.035 χ^2/NDF : 720894.7/24

Right Out: 188.099+/-0.034 χ^2/NDF : 3376559.8/33

Left In: 210.038+/-0.036 χ^2/NDF : 702369.5/22

Left: 209.222+/-0.025 χ^2/NDF : 1424233.1/47

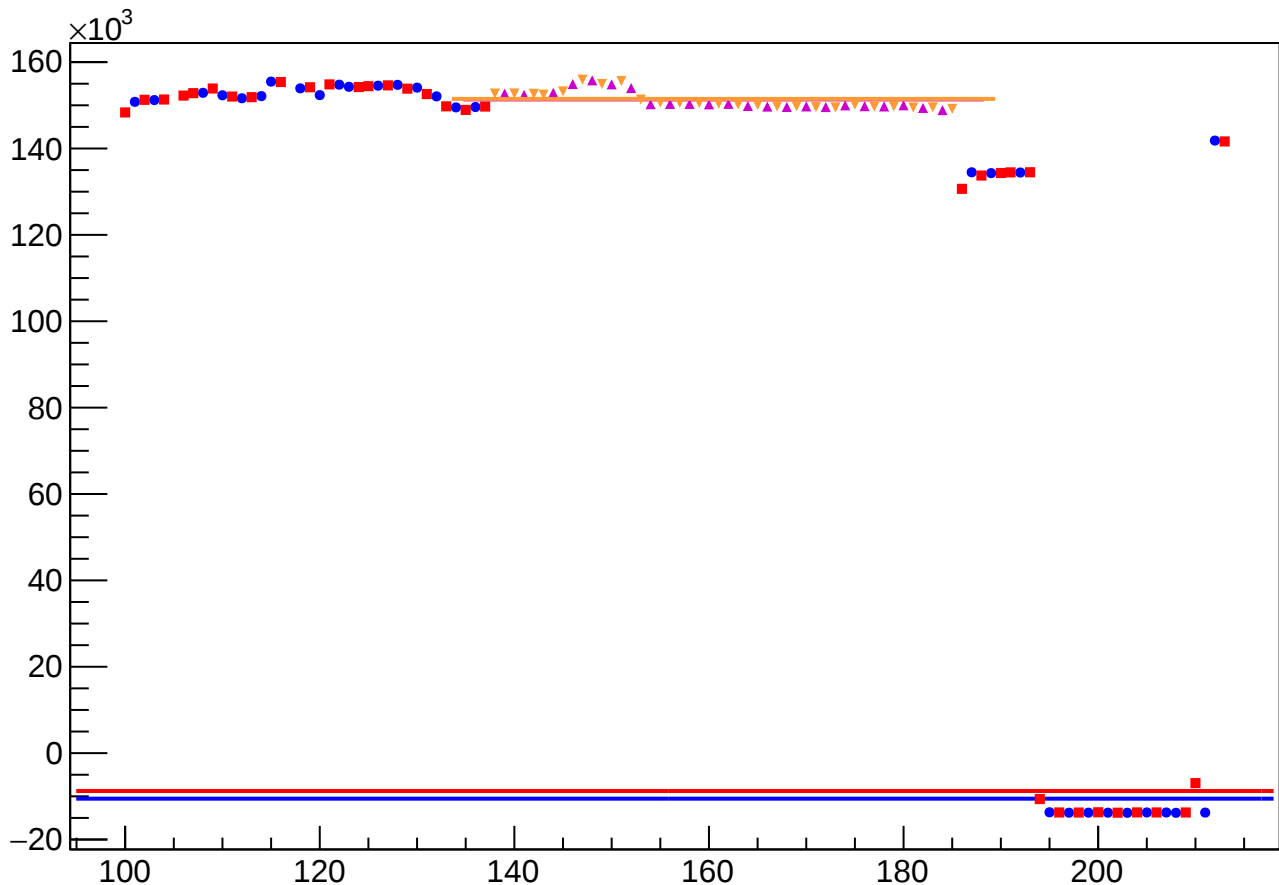
Right: 191.462+/-0.025 χ^2/NDF : 6388052.2/63

In: 202.769+/-0.026 χ^2/NDF : 3773686.8/52

Out: 198.037+/-0.024 χ^2/NDF : 4270581.3/58

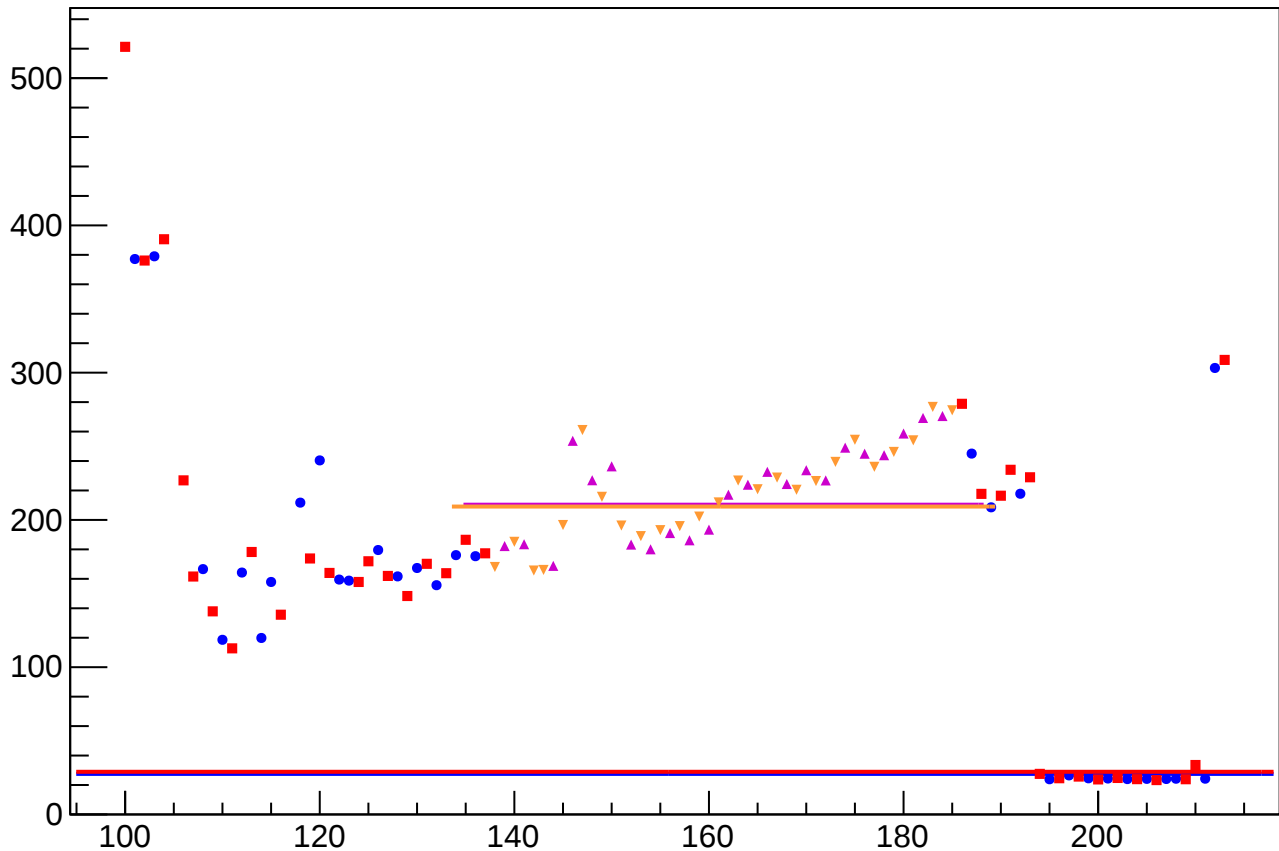
All: 200.272+/-0.018 χ^2/NDF : 8061944.8/111

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -10540.591+/-0.009	$\chi^2/\text{NDF}: 6086350670782.8/29$	Left: 151425.512+/-0.036	$\chi^2/\text{NDF}: 2906409079.9/4$
Left Out: 151483.385+/-0.050	$\chi^2/\text{NDF}: 1481910066.9/24$	Right: -9730.687+/-0.007	$\chi^2/\text{NDF}: 1344558101263$
Right Out: -8768.053+/-0.010	$\chi^2/\text{NDF}: 7342348480079.0/33$	In: -5492.074+/-0.009	$\chi^2/\text{NDF}: 15699734151793.5$
Left In: 151363.165+/-0.051	$\chi^2/\text{NDF}: 1421662089.0/22$	Out: -2425.053+/-0.010	$\chi^2/\text{NDF}: 17400644191529$
		All: -4084.068+/-0.007	$\chi^2/\text{NDF}: 3315279513$

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.542 $\pm$ 0.007 χ^2 /NDF: 12817022.7/29

Left Out: 209.076 $\pm$ 0.035 χ^2 /NDF: 708260.3/24

Right Out: 28.978 $\pm$ 0.007 χ^2 /NDF: 14752203.8/33

Left In: 210.345 $\pm$ 0.036 χ^2 /NDF: 677747.7/22

Left: 209.687 $\pm$ 0.025 χ^2 /NDF: 1386640.1/47

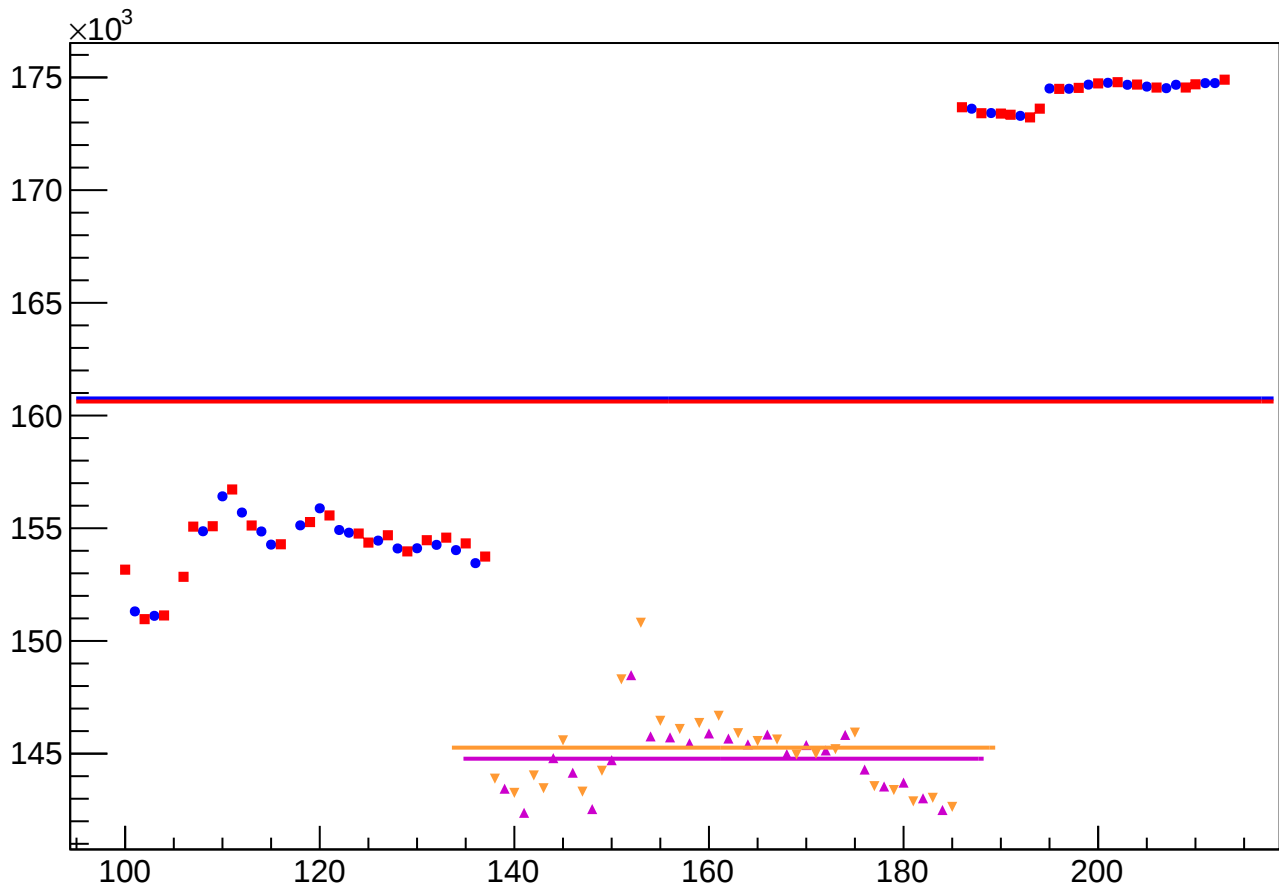
Right: 28.198 $\pm$ 0.005 χ^2 /NDF: 27591406.3/63

In: 33.242 $\pm$ 0.006 χ^2 /NDF: 38002087.9/52

Out: 36.107 $\pm$ 0.007 χ^2 /NDF: 40864504.6/58

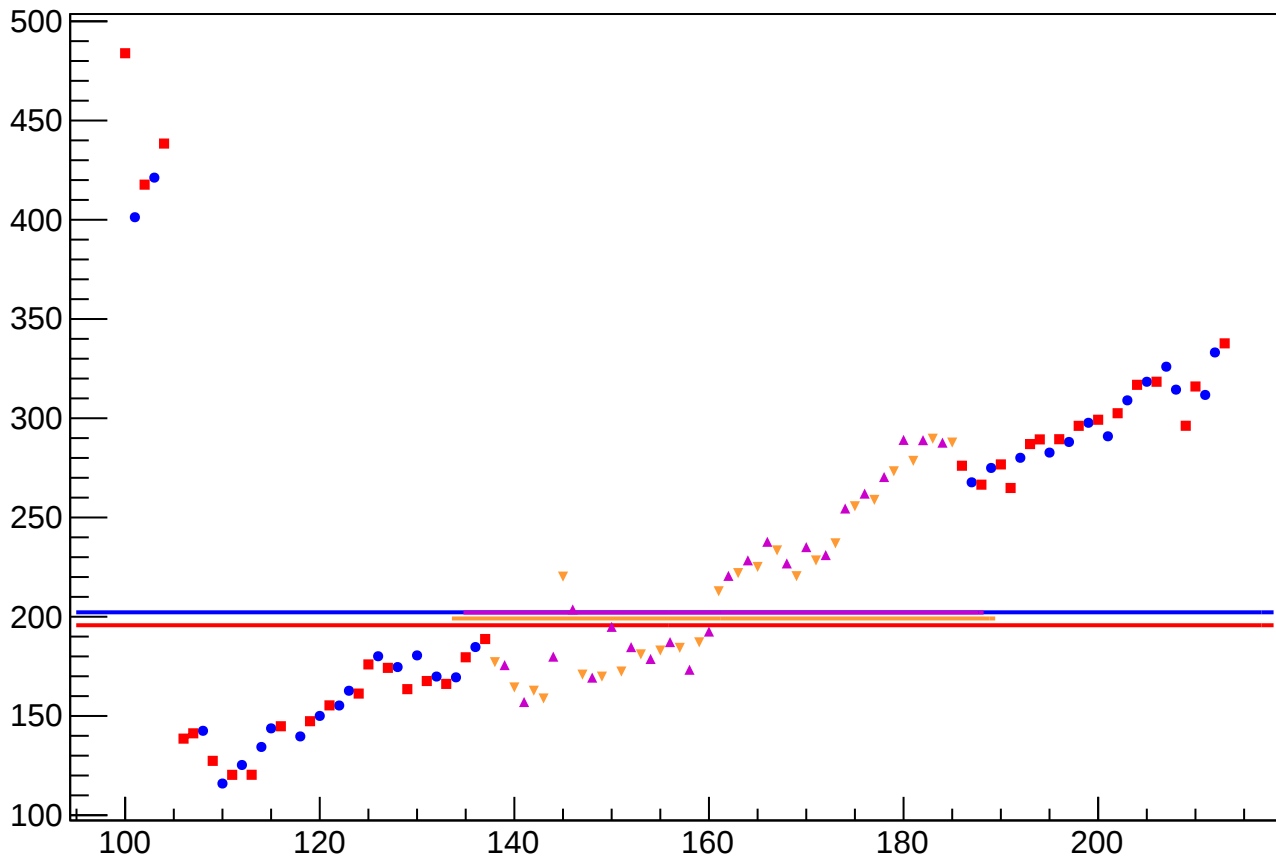
All: 34.557 $\pm$ 0.005 χ^2 /NDF: 78958069.0/111

yield_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 160758.306 $\pm$ 0.055	χ^2 /NDF: 27609495395.3/29	Left: 145032.324 $\pm$ 0.034	χ^2 /NDF: 2687033506.0/4
Left Out: 145266.717 $\pm$ 0.047	χ^2 /NDF: 1717707352.7/24	Right: 160685.705 $\pm$ 0.037	χ^2 /NDF: 58224215897.5
Right Out: 160622.430 $\pm$ 0.051	χ^2 /NDF: 30611410883.4/33	In: 151996.335 $\pm$ 0.037	χ^2 /NDF: 75510193961.2/5
Left In: 144776.016 $\pm$ 0.050	χ^2 /NDF: 918120275.4/22	Out: 152387.281 $\pm$ 0.035	χ^2 /NDF: 81008295922.8
		All: 152202.684 $\pm$ 0.025	χ^2 /NDF: 156578399

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 202.224+/-0.039 χ^2/NDF : 4000271.3/29

Left Out: 199.118+/-0.034 χ^2/NDF : 1152231.0/24

Right Out: 195.707+/-0.036 χ^2/NDF : 4541813.9/33

Left In: 202.090+/-0.035 χ^2/NDF : 1057833.2/22

Left: 200.538+/-0.024 χ^2/NDF : 2213821.5/47

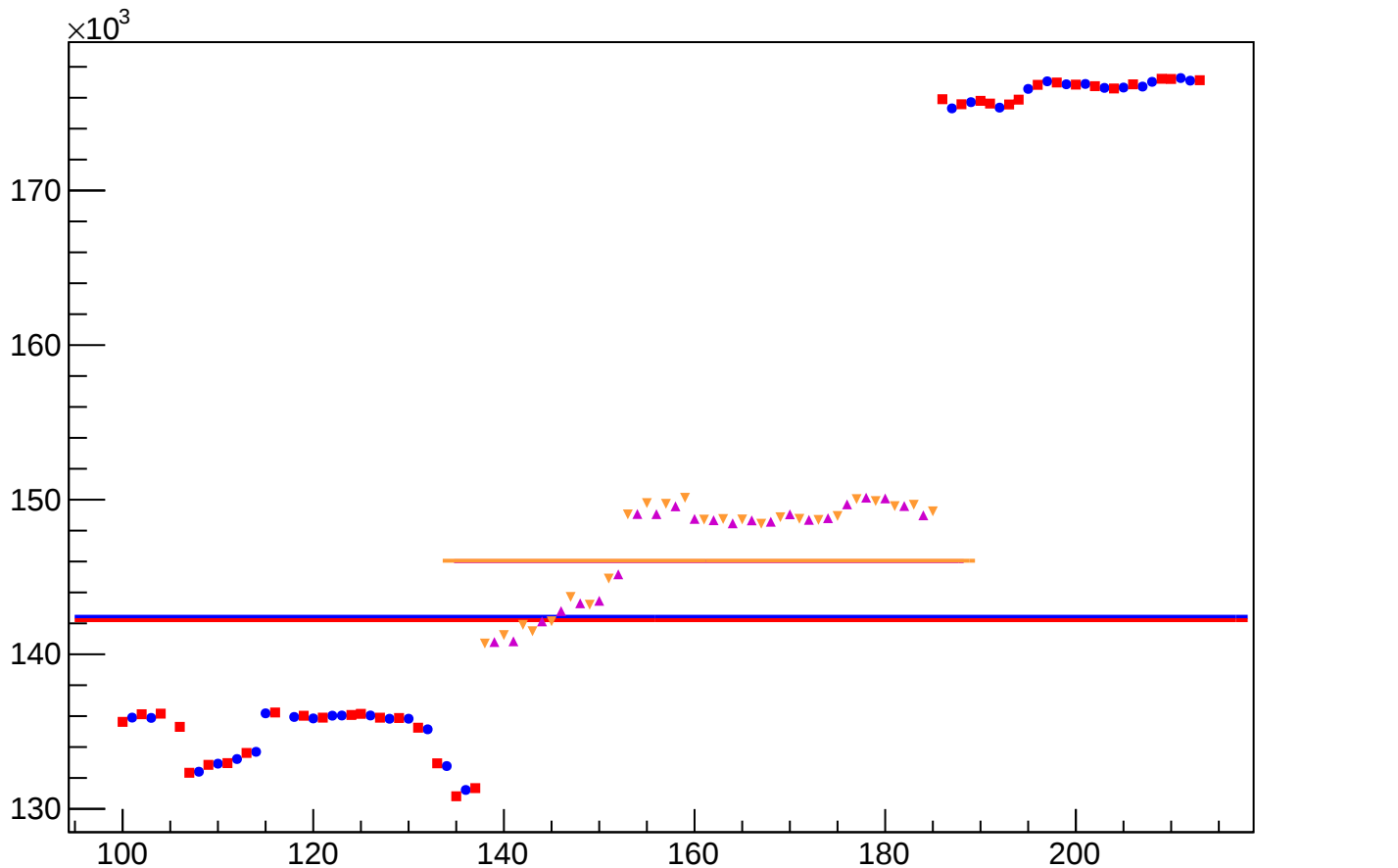
Right: 198.742+/-0.026 χ^2/NDF : 8557310.4/63

In: 202.151+/-0.026 χ^2/NDF : 5058111.2/52

Out: 197.537+/-0.025 χ^2/NDF : 5698847.6/58

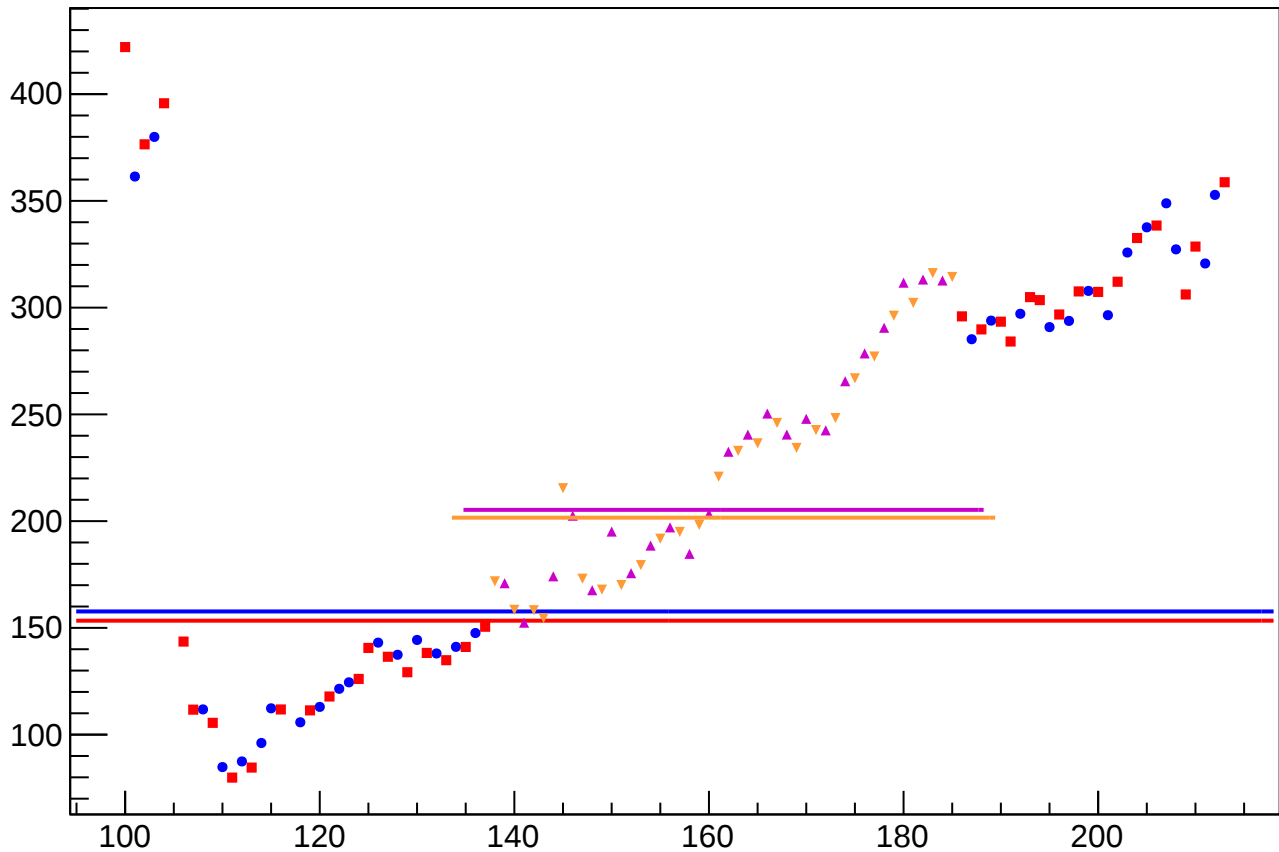
All: 199.715+/-0.018 χ^2/NDF : 10773649.5/117

yield_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 142427.294 $\pm$ 0.045	χ^2/NDF : 136604513469.7/29	Left: 146036.626 $\pm$ 0.035	χ^2/NDF : 9994930852.8/4
Left Out: 146051.733 $\pm$ 0.048	χ^2/NDF : 5403300123.1/24	Right: 142310.235 $\pm$ 0.031	χ^2/NDF : 289311391107
Right Out: 142206.401 $\pm$ 0.043	χ^2/NDF : 152694275322.5/33	In: 144023.736 $\pm$ 0.034	χ^2/NDF : 143991313788.1
Left In: 146020.015 $\pm$ 0.051	χ^2/NDF : 4591425371.4/22	Out: 143891.454 $\pm$ 0.032	χ^2/NDF : 161657769771.
		All: 143953.998 $\pm$ 0.023	χ^2/NDF : 305657175

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 157.701 $\pm$ 0.032 χ^2 /NDF: 7142976.2/29

Left Out: 201.632 $\pm$ 0.034 χ^2 /NDF:1589564.0/24

Right Out: 153.373 $\pm$ 0.030 χ^2 /NDF: 7992519.2/33

Left In: 205.286 $\pm$ 0.036 χ^2 /NDF:1425292.7/22

Left: 203.372 $\pm$ 0.025 χ^2 /NDF: 3020309.5/47

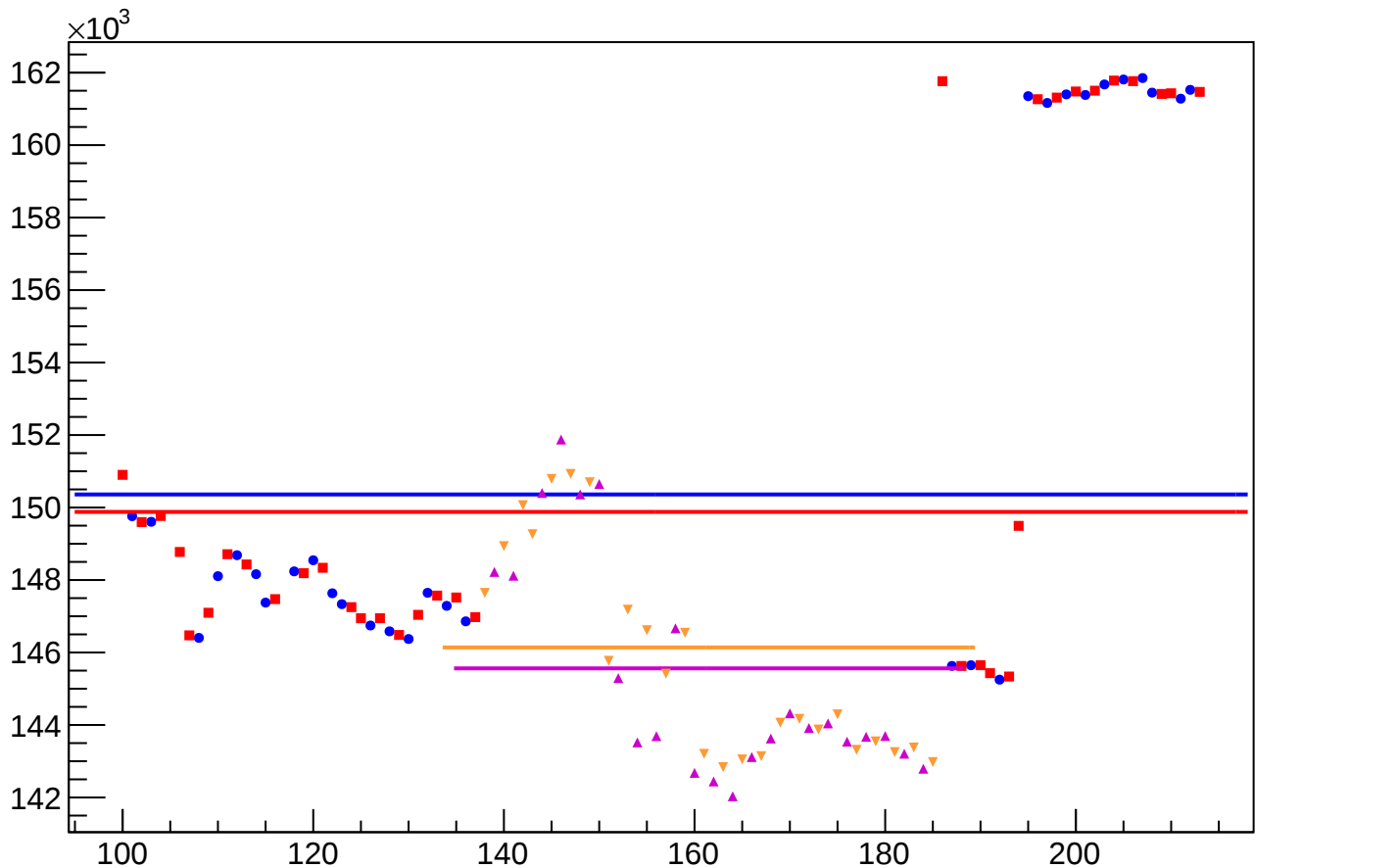
Right: 155.408 $\pm$ 0.022 χ^2 /NDF: 15145170.1/63

In: 178.846 $\pm$ 0.024 χ^2 /NDF:9549039.2/52

Out: 174.520 $\pm$ 0.023 χ^2 /NDF:10703532.3/58

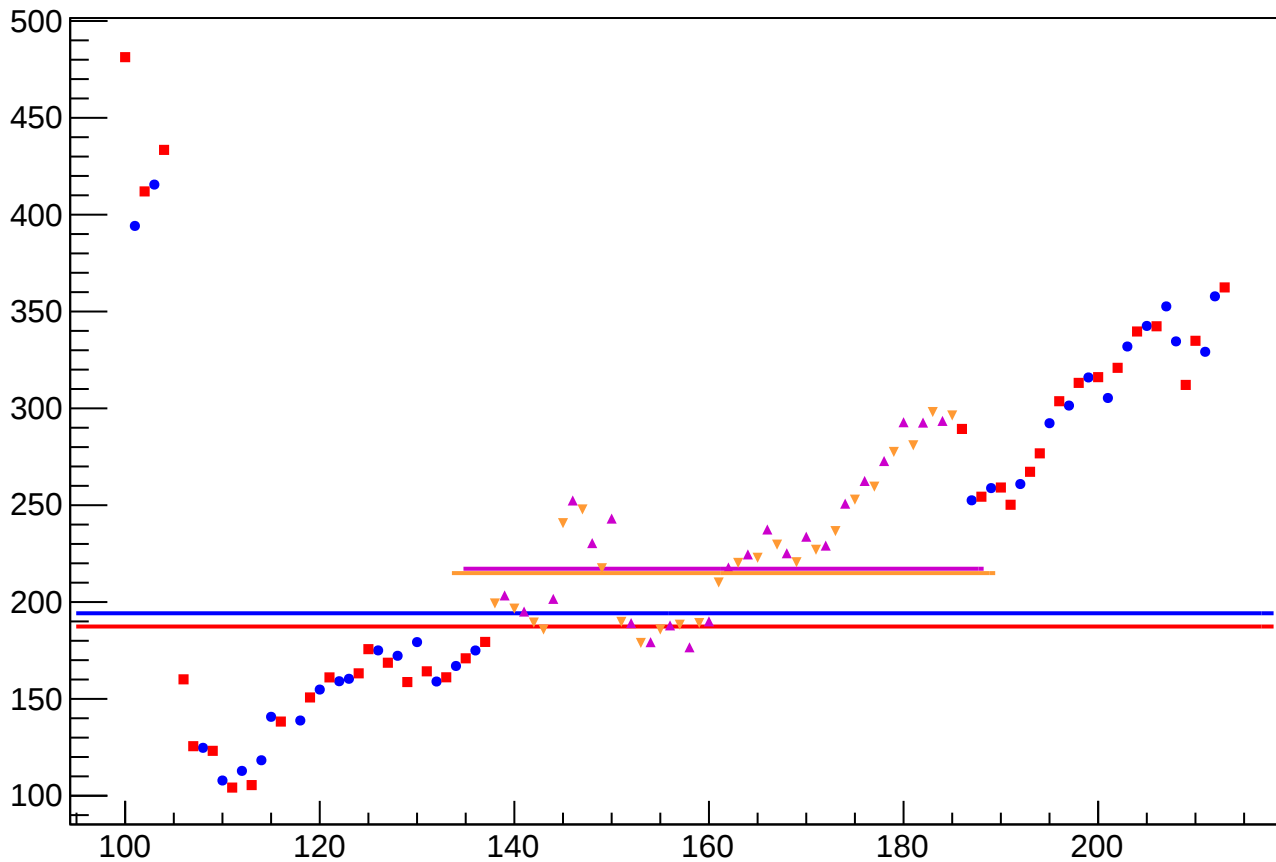
All: 176.565 $\pm$ 0.016 χ^2 /NDF: 20269873.6/11

yield_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 150360.772 $\pm$ 0.053	χ^2 /NDF: 11715390863.4/29	Left: 145862.850 $\pm$ 0.037	χ^2 /NDF: 5815743509.5/4
Left Out: 146139.326 $\pm$ 0.051	χ^2 /NDF: 2699546907.6/24	Right: 150102.905 $\pm$ 0.036	χ^2 /NDF: 23086485947.7
Right Out: 149879.342 $\pm$ 0.050	χ^2 /NDF: 11327491454.3/33	In: 147948.478 $\pm$ 0.038	χ^2 /NDF: 18835583144.4/5
Left In: 145562.386 $\pm$ 0.053	χ^2 /NDF: 3054641996.0/22	Out: 148054.795 $\pm$ 0.036	χ^2 /NDF: 16791557241.9
		All: 148004.644 $\pm$ 0.026	χ^2 /NDF: 356313580

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 194.206+/-0.038 χ^2/NDF : 4899981.4/29

Left Out: 214.945+/-0.036 χ^2/NDF : 728515.5/24

Right Out: 187.368+/-0.035 χ^2/NDF : 5481134.2/33

Left In: 217.203+/-0.038 χ^2/NDF : 764798.3/22

Left: 216.027+/-0.026 χ^2/NDF : 1495200.1/47

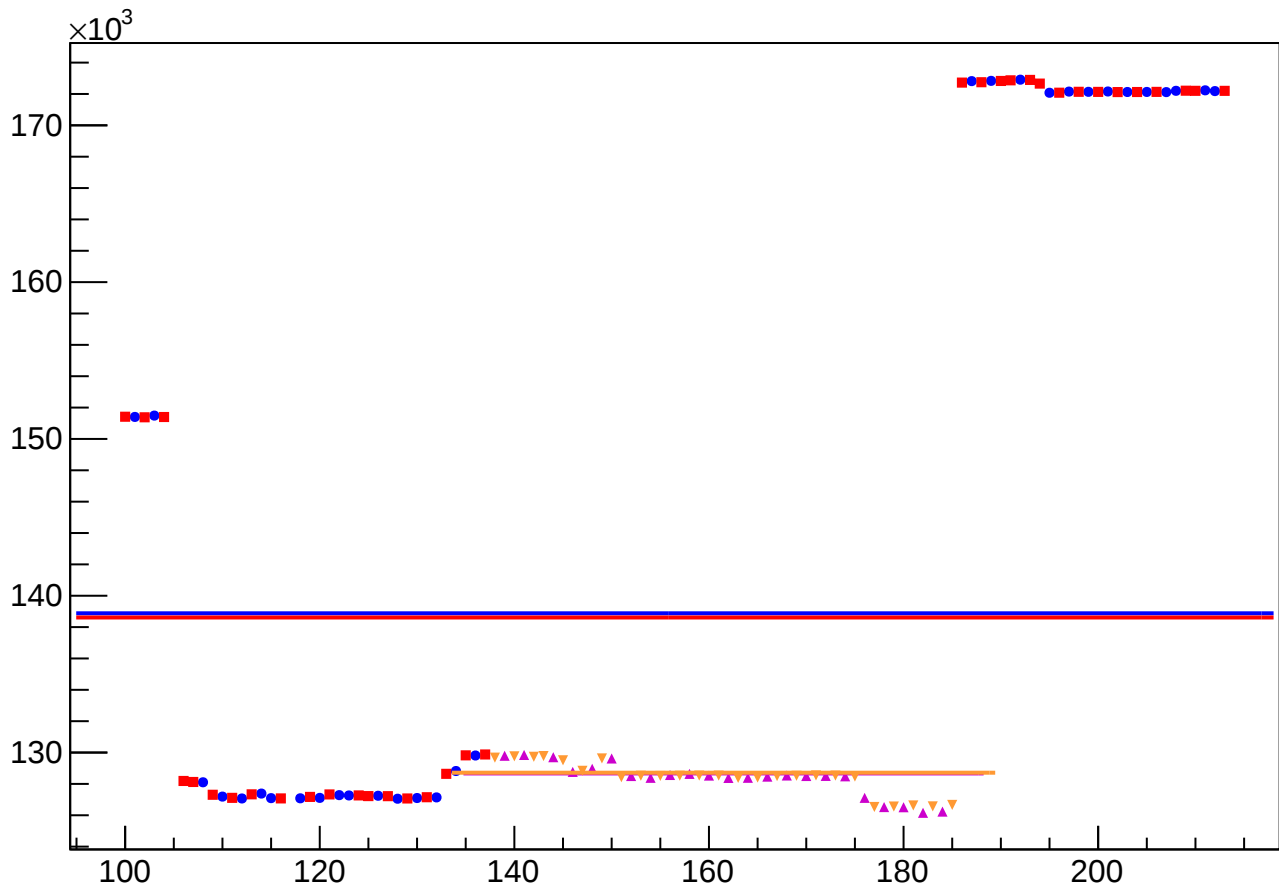
Right: 190.543+/-0.026 χ^2/NDF : 10398710.0/63

In: 205.767+/-0.027 χ^2/NDF : 5851552.7/52

Out: 200.821+/-0.025 χ^2/NDF : 6510259.5/58

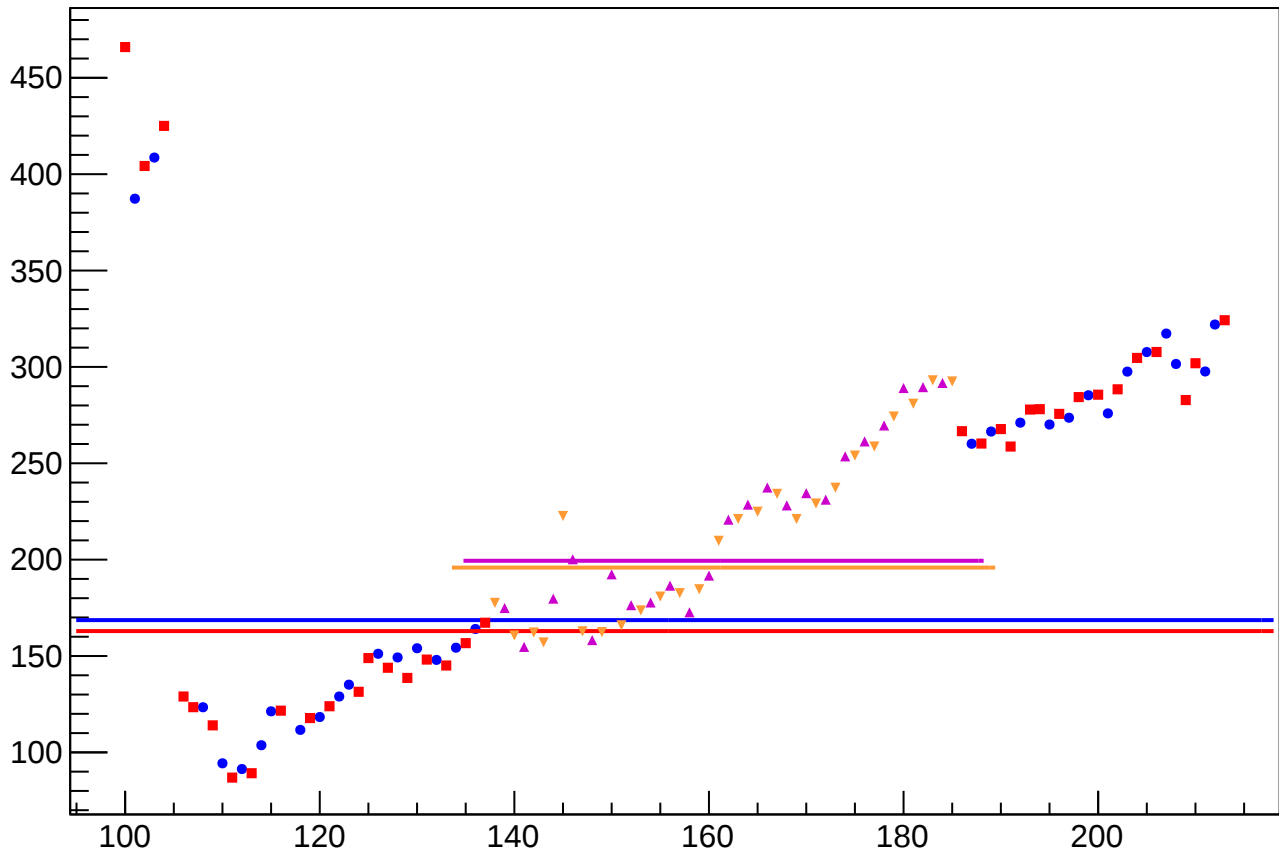
All: 203.154+/-0.018 χ^2/NDF : 12380070.5/11

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 138879.839 $\pm$ 0.047 χ^2 /NDF: 168081967100.3/29
 Left Out: 128714.507 $\pm$ 0.047 χ^2 /NDF: 348178101.1/24
 Right Out: 138612.911 $\pm$ 0.044 χ^2 /NDF: 190785621153.4/33
 Left In: 128667.013 $\pm$ 0.049 χ^2 /NDF: 333059477.6/22
 Left: 128691.898 $\pm$ 0.034 χ^2 /NDF: 681729975.4/47
 Right: 138737.089 $\pm$ 0.032 χ^2 /NDF: 358884770489
 In: 133975.375 $\pm$ 0.034 χ^2 /NDF: 191001463321.0
 Out: 133966.678 $\pm$ 0.032 χ^2 /NDF: 214973794241.0
 All: 133970.769 $\pm$ 0.023 χ^2 /NDF: 405975292

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 168.620 $\pm$ 0.033 χ^2 /NDF: 5741573.1/29

Left Out: 195.883 $\pm$ 0.033 χ^2 /NDF:1313361.5/24

Right Out: 162.929 $\pm$ 0.031 χ^2 /NDF: 6445843.5/33

Left In: 199.413 $\pm$ 0.035 χ^2 /NDF:1165698.7/22

Left: 197.564 $\pm$ 0.024 χ^2 /NDF: 2484502.8/47

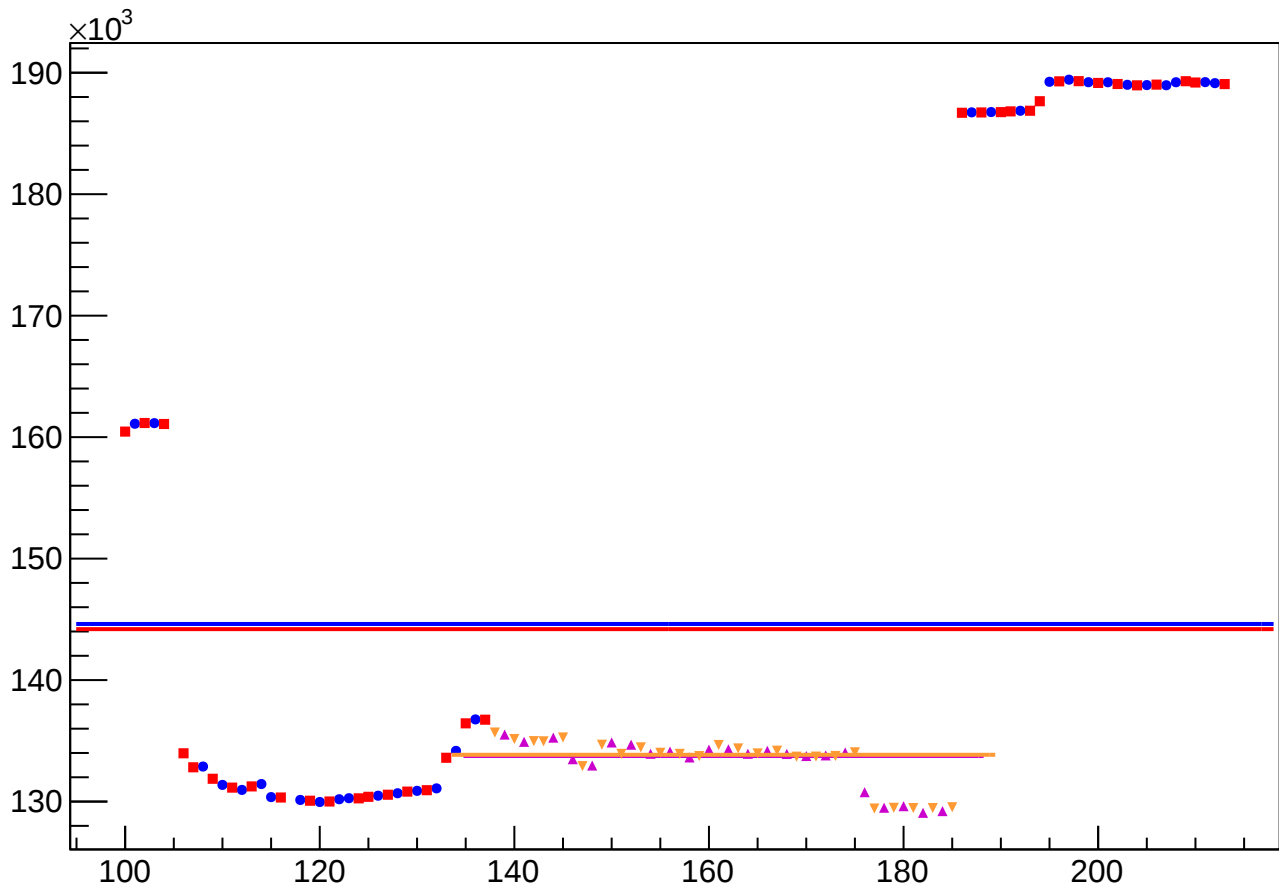
Right: 165.577 $\pm$ 0.023 χ^2 /NDF: 12203032.7/63

In: 183.408 $\pm$ 0.024 χ^2 /NDF:7317961.1/52

Out: 178.397 $\pm$ 0.023 χ^2 /NDF:8287653.4/58

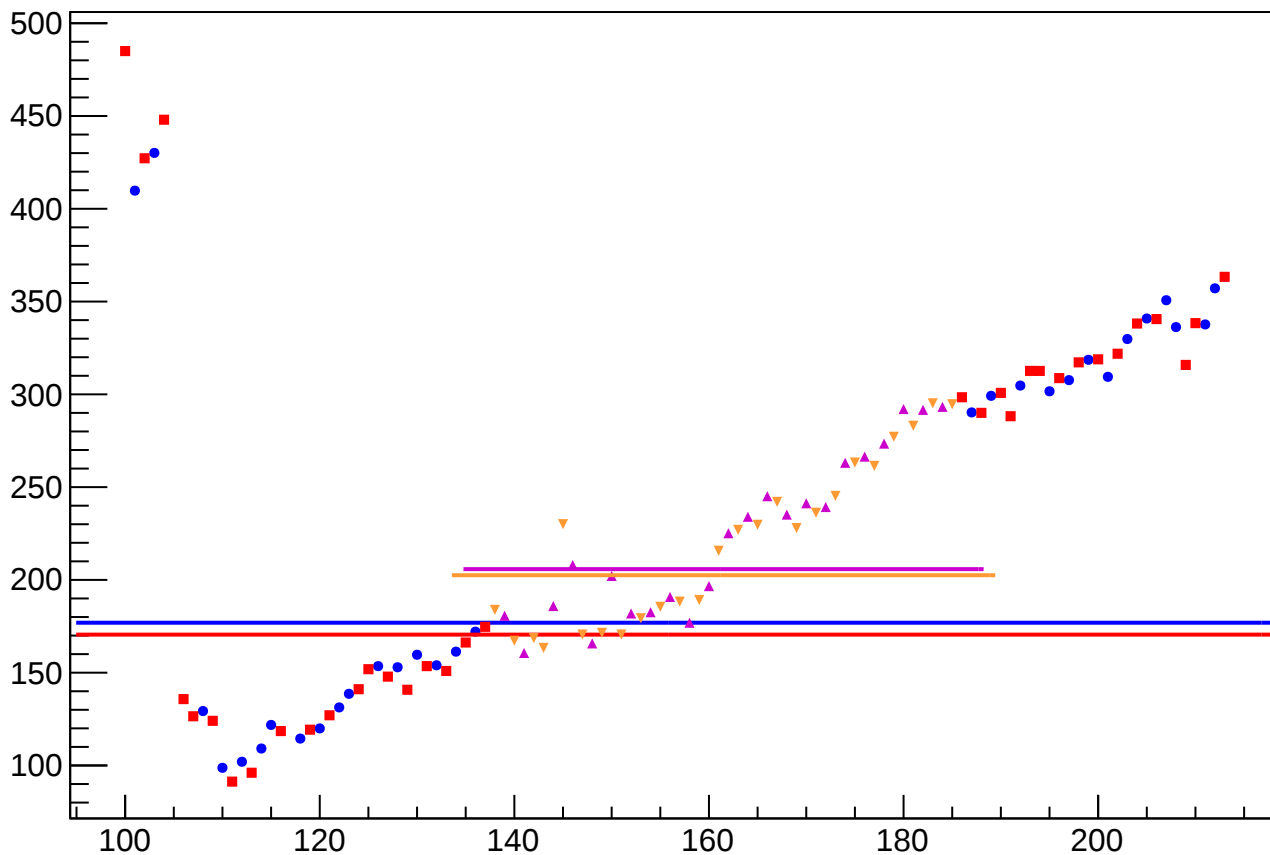
All: 180.754 $\pm$ 0.016 χ^2 /NDF: 15628683.2/11

yield_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 144620.284 $\pm$ 0.050 χ^2 /NDF: 228237017515.0/29
 Left Out: 133850.586 $\pm$ 0.048 χ^2 /NDF: 1080107831.1/24
 Right Out: 144194.974 $\pm$ 0.047 χ^2 /NDF: 253957296400.0/33
 Left In: 133749.630 $\pm$ 0.051 χ^2 /NDF: 954069486.7/22
 Left: 133802.452 $\pm$ 0.035 χ^2 /NDF: 2036267179.3/4
 Right: 144392.504 $\pm$ 0.034 χ^2 /NDF: 482233132113
 In: 139245.285 $\pm$ 0.036 χ^2 /NDF: 252603532210.3
 Out: 139208.302 $\pm$ 0.033 χ^2 /NDF: 278872372808.
 All: 139225.701 $\pm$ 0.024 χ^2 /NDF: 531476479

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 176.931 $\pm$ 0.035 χ^2 /NDF: 6295665.4/29

Left Out: 202.527 $\pm$ 0.034 χ^2 /NDF: 1211991.5/24

Right Out: 170.510 $\pm$ 0.033 χ^2 /NDF: 7100442.0/33

Left In: 205.808 $\pm$ 0.036 χ^2 /NDF: 1094330.7/22

Left: 204.091 $\pm$ 0.025 χ^2 /NDF: 2310735.8/47

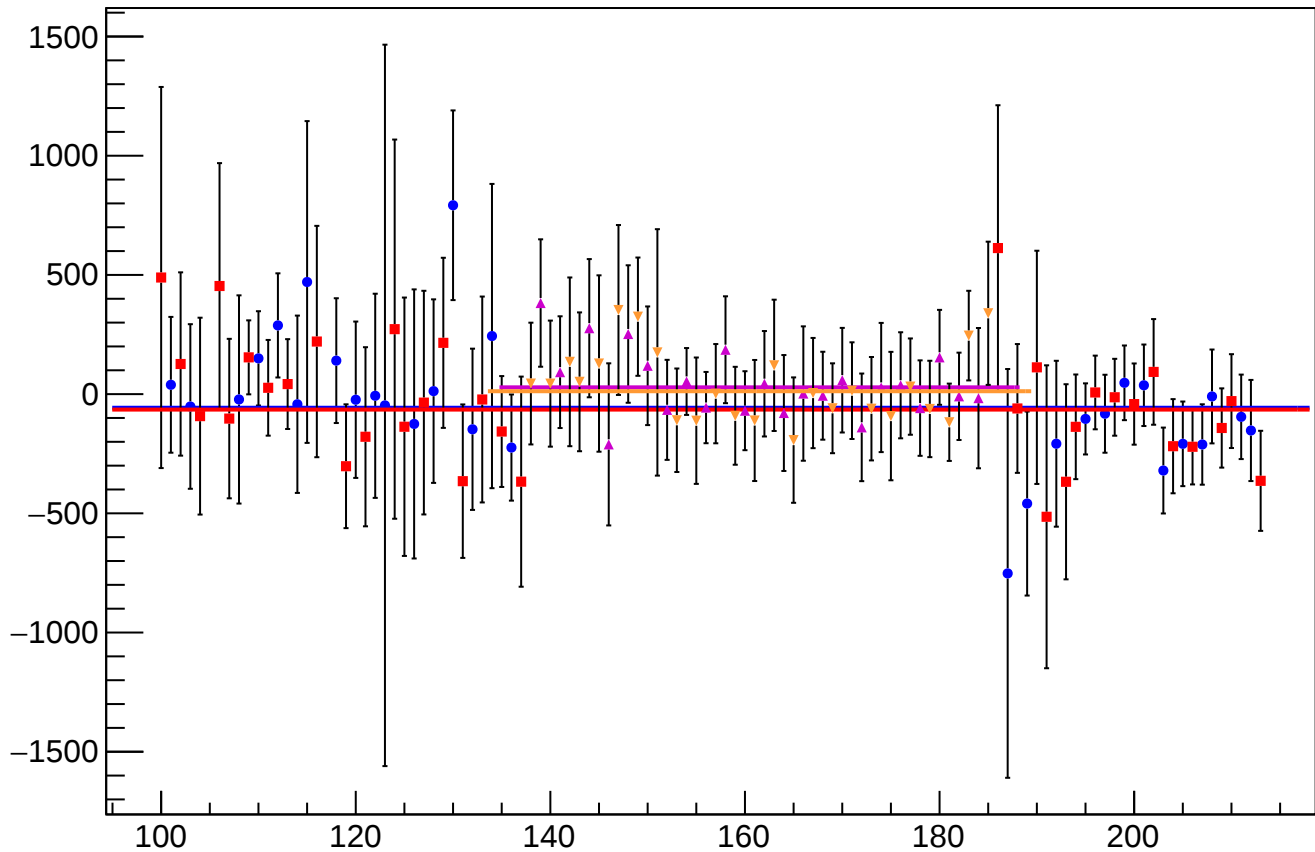
Right: 173.492 $\pm$ 0.024 χ^2 /NDF: 13413799.1/63

In: 191.209 $\pm$ 0.025 χ^2 /NDF: 7720422.7/52

Out: 185.945 $\pm$ 0.024 χ^2 /NDF: 8769094.2/58

All: 188.421 $\pm$ 0.017 χ^2 /NDF: 16512780.5/117

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -57.148 ± 44.254 $\chi^2/\text{NDF}: 17.2/29$

Left Out: 12.180 ± 47.531 $\chi^2/\text{NDF}: 8.6/24$

Right Out: -64.854 ± 43.068 $\chi^2/\text{NDF}: 15.1/33$

Left In: 28.452 ± 44.688 $\chi^2/\text{NDF}: 6.7/22$

Left: 20.817 ± 32.558 $\chi^2/\text{NDF}: 15.3/47$

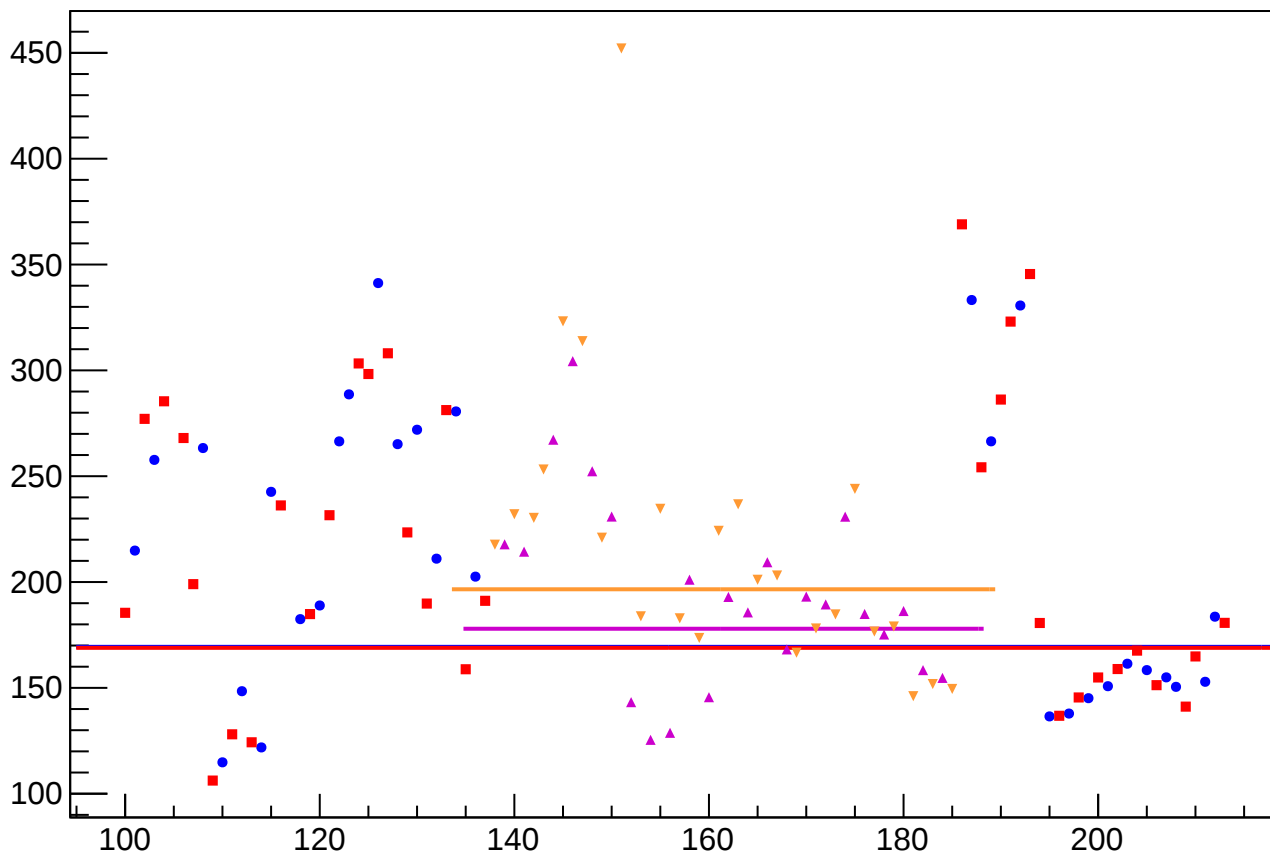
Right: -61.105 ± 30.865 $\chi^2/\text{NDF}: 32.4/63$

In: -14.766 ± 31.445 $\chi^2/\text{NDF}: 25.7/52$

Out: -30.122 ± 31.915 $\chi^2/\text{NDF}: 25.2/58$

All: -22.330 ± 22.399 $\chi^2/\text{NDF}: 51.0/111$

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 169.382 ± 0.031 χ^2/NDF : 2149722.7/29

Left Out: 196.576 ± 0.034 χ^2/NDF : 1778719.0/24

Right Out: 168.917 ± 0.030 χ^2/NDF : 2845861.9/33

Left In: 177.933 ± 0.032 χ^2/NDF : 1605780.8/22

Left: 186.680 ± 0.023 χ^2/NDF : 3547823.4/47

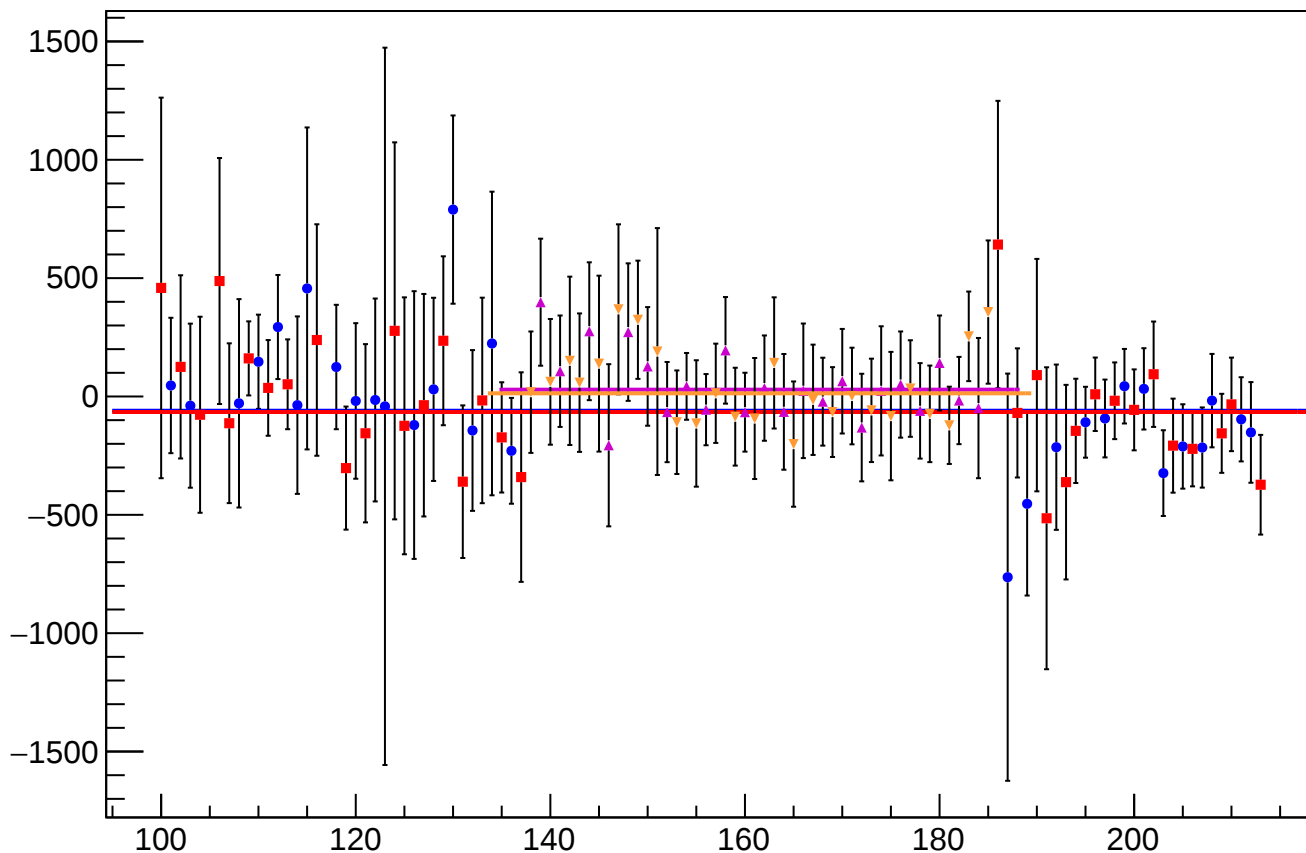
Right: 169.143 ± 0.022 χ^2/NDF : 4995698.2/63

In: 173.616 ± 0.022 χ^2/NDF : 3792471.6/52

Out: 181.388 ± 0.023 χ^2/NDF : 4996487.8/58

All: 177.444 ± 0.016 χ^2/NDF : 8849137.7/111

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -60.269 ± 44.455 χ^2/NDF : 17.1/29

Left Out: 13.395 ± 47.862 χ^2/NDF : 9.0/24

Right Out: -65.579 ± 43.278 χ^2/NDF : 15.5/33

Left In: 28.806 ± 44.980 χ^2/NDF : 6.8/22

Left: 21.578 ± 32.777 χ^2/NDF : 15.9/47

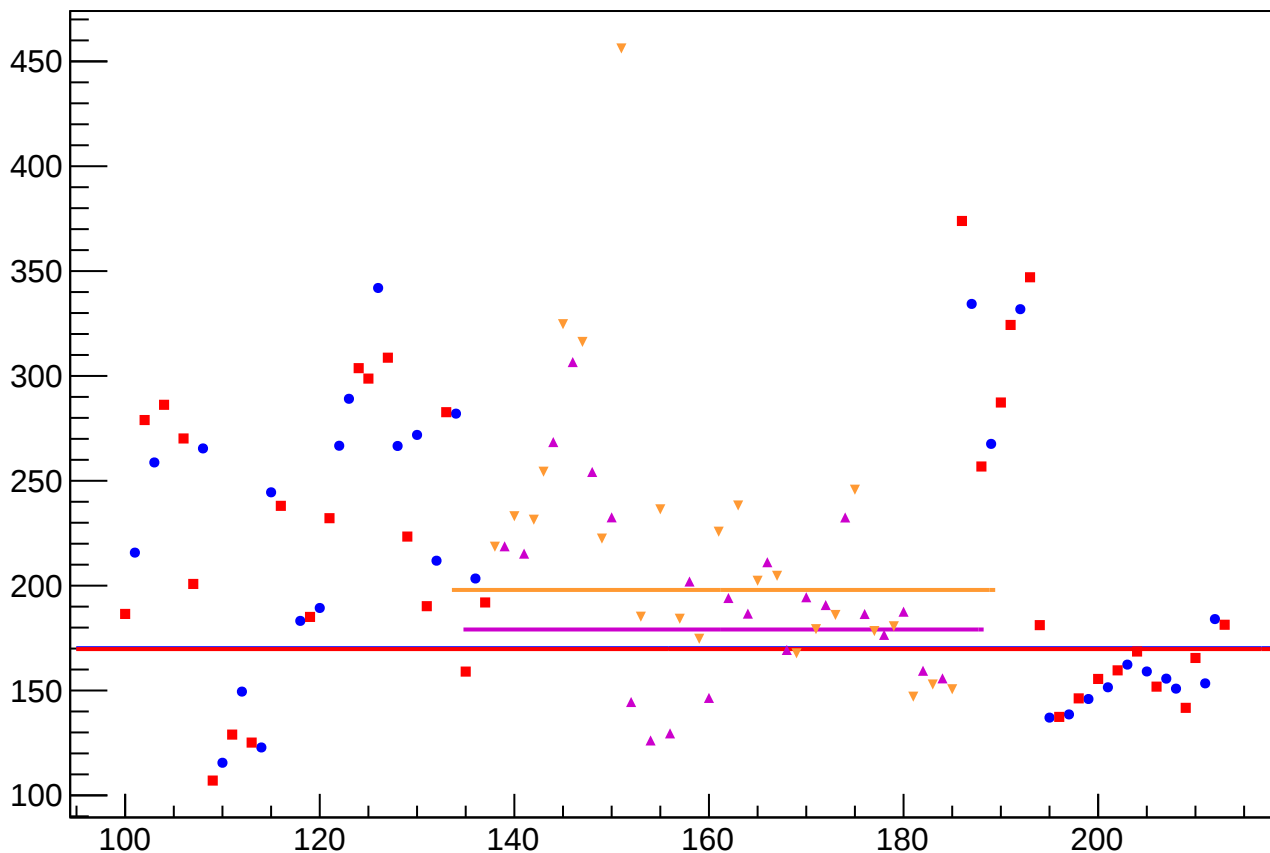
Right: -62.995 ± 31.010 χ^2/NDF : 32.6/63

In: -16.253 ± 31.619 χ^2/NDF : 25.9/52

Out: -30.055 ± 32.101 χ^2/NDF : 26.0/58

All: -23.050 ± 22.526 χ^2/NDF : 52.0/111

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 170.175 $\pm$ 0.031 χ^2/NDF : 2141417.1/29

Left Out: 197.953 $\pm$ 0.034 χ^2/NDF : 1774524.3/24

Right Out: 169.747 $\pm$ 0.031 χ^2/NDF : 2841695.1/33

Left In: 179.090 $\pm$ 0.032 χ^2/NDF : 1605113.3/22

Left: 187.936 $\pm$ 0.023 χ^2/NDF : 3544595.8/47

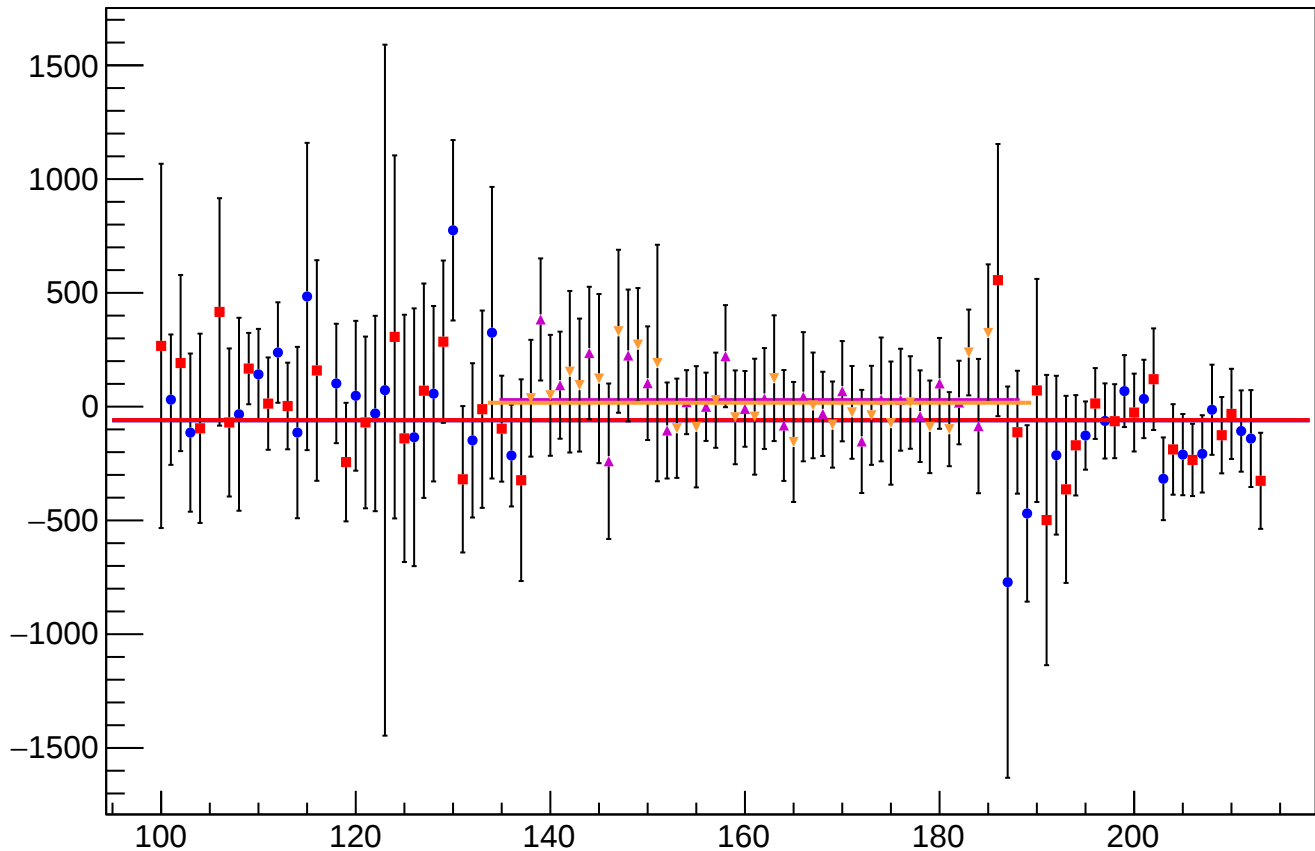
Right: 169.955 $\pm$ 0.022 χ^2/NDF : 4983207.2/63

In: 174.580 $\pm$ 0.022 χ^2/NDF : 3786274.3/52

Out: 182.435 $\pm$ 0.023 χ^2/NDF : 4998355.2/58

All: 178.448 $\pm$ 0.016 χ^2/NDF : 8845408.5/111

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -60.291 ± 44.540 χ^2/NDF : 16.5/29

Left Out: 17.142 ± 47.738 χ^2/NDF : 7.1/24

Right Out: -59.157 ± 43.308 χ^2/NDF : 13.6/33

Left In: 28.655 ± 44.859 χ^2/NDF : 6.1/22

Left: 23.256 ± 32.690 χ^2/NDF : 13.2/47

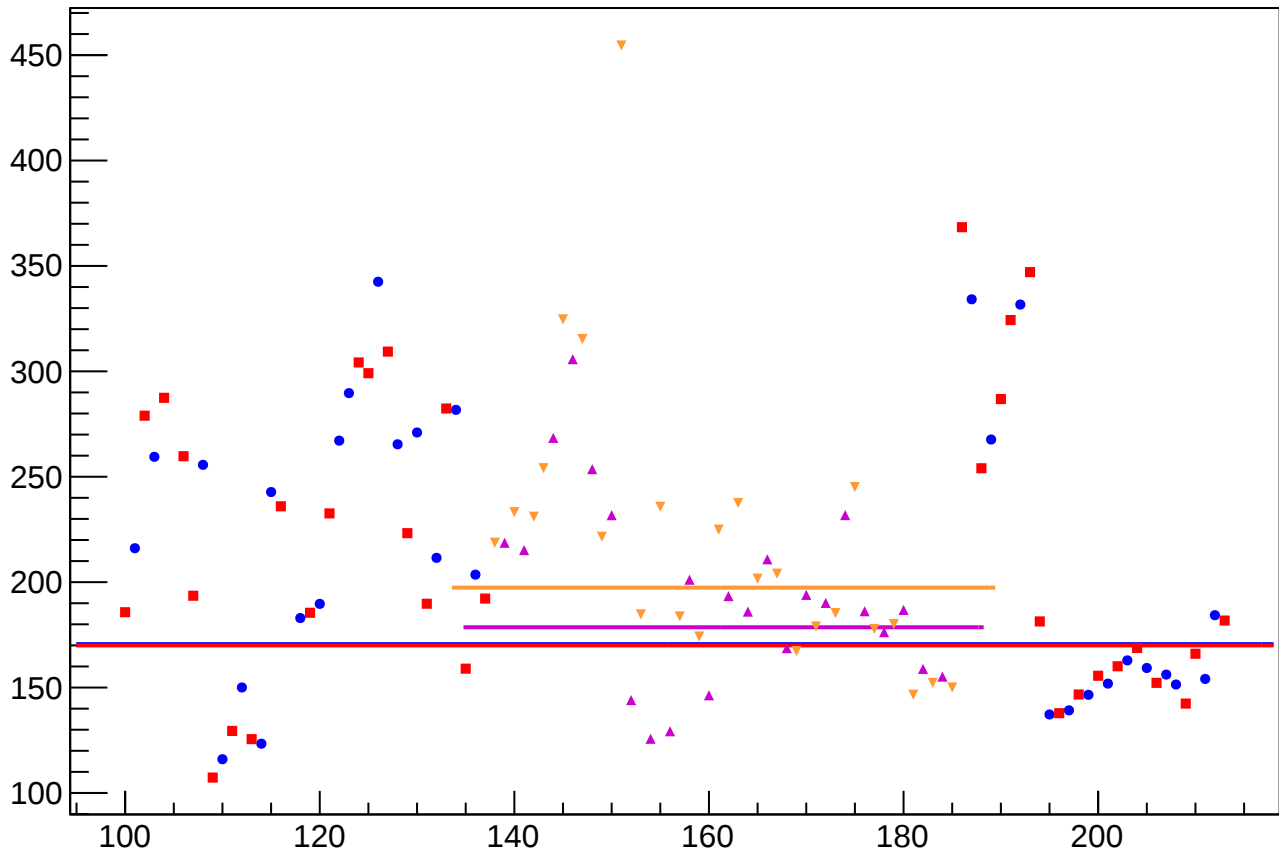
Right: -59.708 ± 31.050 χ^2/NDF : 30.0/63

In: -16.135 ± 31.607 χ^2/NDF : 24.6/52

Out: -24.711 ± 32.075 χ^2/NDF : 22.0/58

All: -20.360 ± 22.513 χ^2/NDF : 46.7/111

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 170.593 ± 0.031 $\chi^2/\text{NDF}: 2108712.1/29$

Left Out: 197.422 ± 0.034 $\chi^2/\text{NDF}: 1780261.9/24$

Right Out: 169.994 ± 0.031 $\chi^2/\text{NDF}: 2794142.1/33$

Left In: 178.601 ± 0.032 $\chi^2/\text{NDF}: 1608998.1/22$

Left: 187.427 ± 0.023 $\chi^2/\text{NDF}: 3554344.1/47$

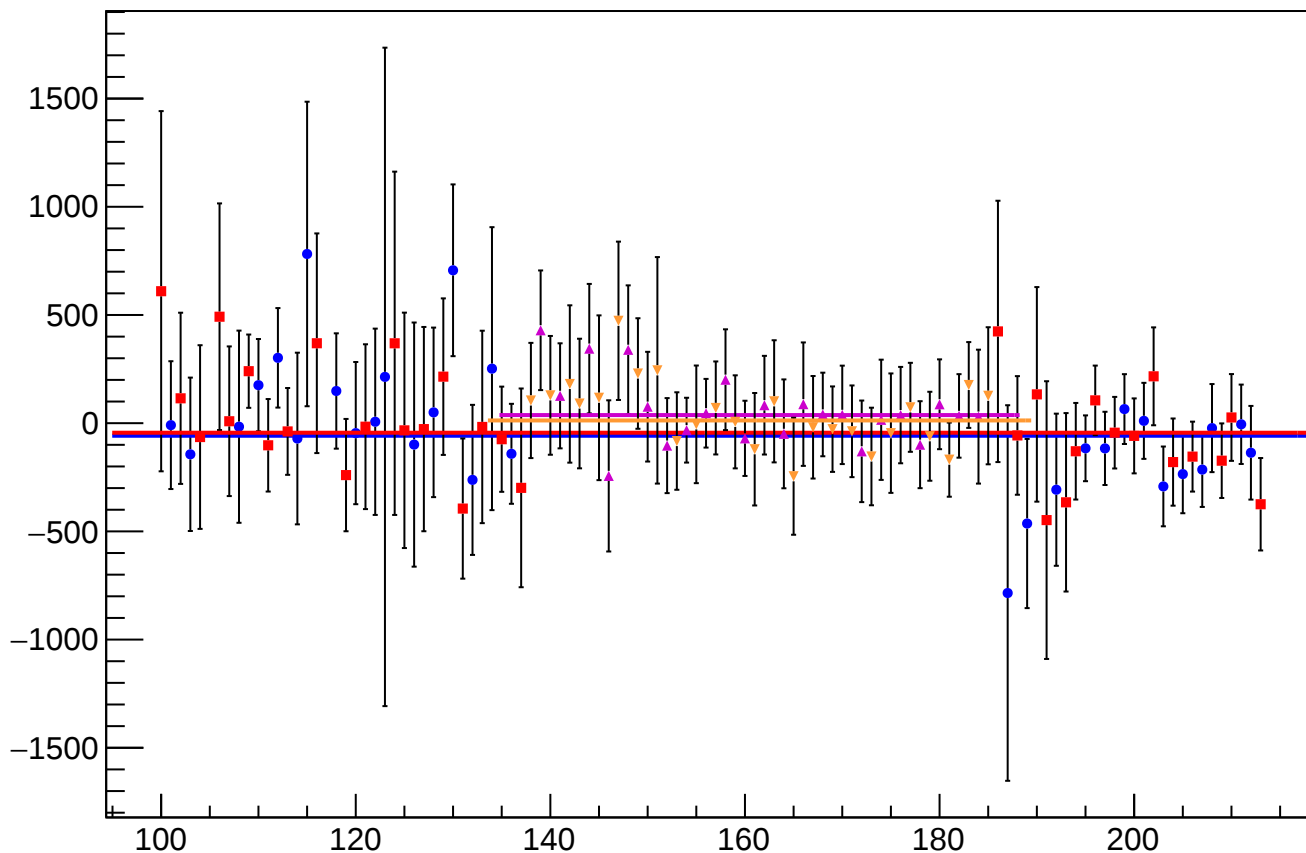
Right: 170.285 ± 0.022 $\chi^2/\text{NDF}: 4903040.2/63$

In: 174.569 ± 0.022 $\chi^2/\text{NDF}: 3749807.3/52$

Out: 182.377 ± 0.023 $\chi^2/\text{NDF}: 4936556.1/58$

All: 178.415 ± 0.016 $\chi^2/\text{NDF}: 8746492.8/111$

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: -58.059 $\pm$ 45.540 χ^2/NDF : 17.3/29

Left Out: 12.632 $\pm$ 49.242 χ^2/NDF : 7.5/24

Right Out: -44.115 $\pm$ 44.451 χ^2/NDF : 16.4/33

Left In: 37.460 $\pm$ 46.479 χ^2/NDF : 7.6/22

Left: 25.762 $\pm$ 33.800 χ^2/NDF : 15.3/47

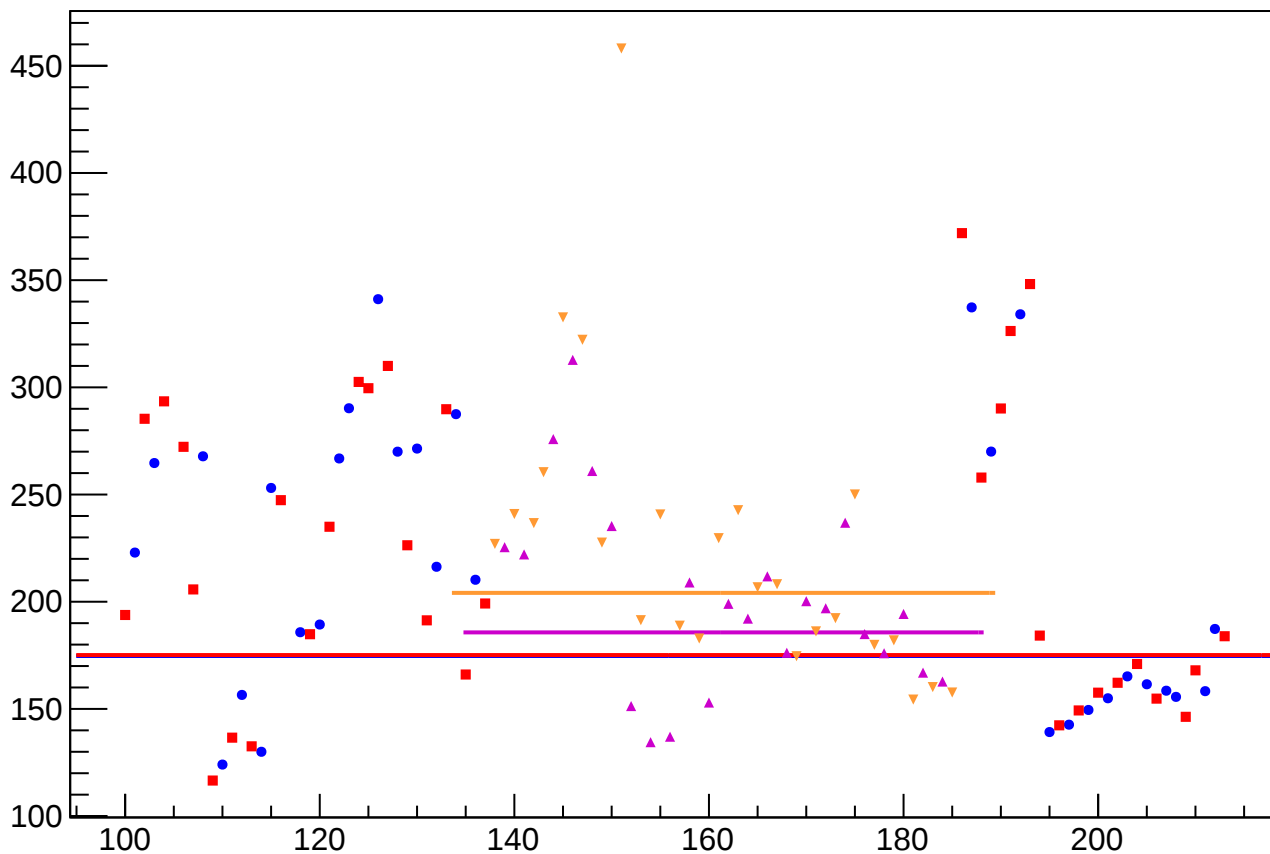
Right: -50.919 $\pm$ 31.810 χ^2/NDF : 33.7/63

In: -11.274 $\pm$ 32.528 χ^2/NDF : 27.0/52

Out: -18.636 $\pm$ 32.996 χ^2/NDF : 24.6/58

All: -14.902 $\pm$ 23.165 χ^2/NDF : 51.7/111

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 174.681 ± 0.032 χ^2/NDF : 2032650.6/29

Left Out: 204.132 ± 0.035 χ^2/NDF : 1672287.6/24

Right Out: 175.122 ± 0.031 χ^2/NDF : 2611870.9/33

Left In: 185.694 ± 0.033 χ^2/NDF : 1447767.0/22

Left: 194.381 ± 0.024 χ^2/NDF : 3268347.9/47

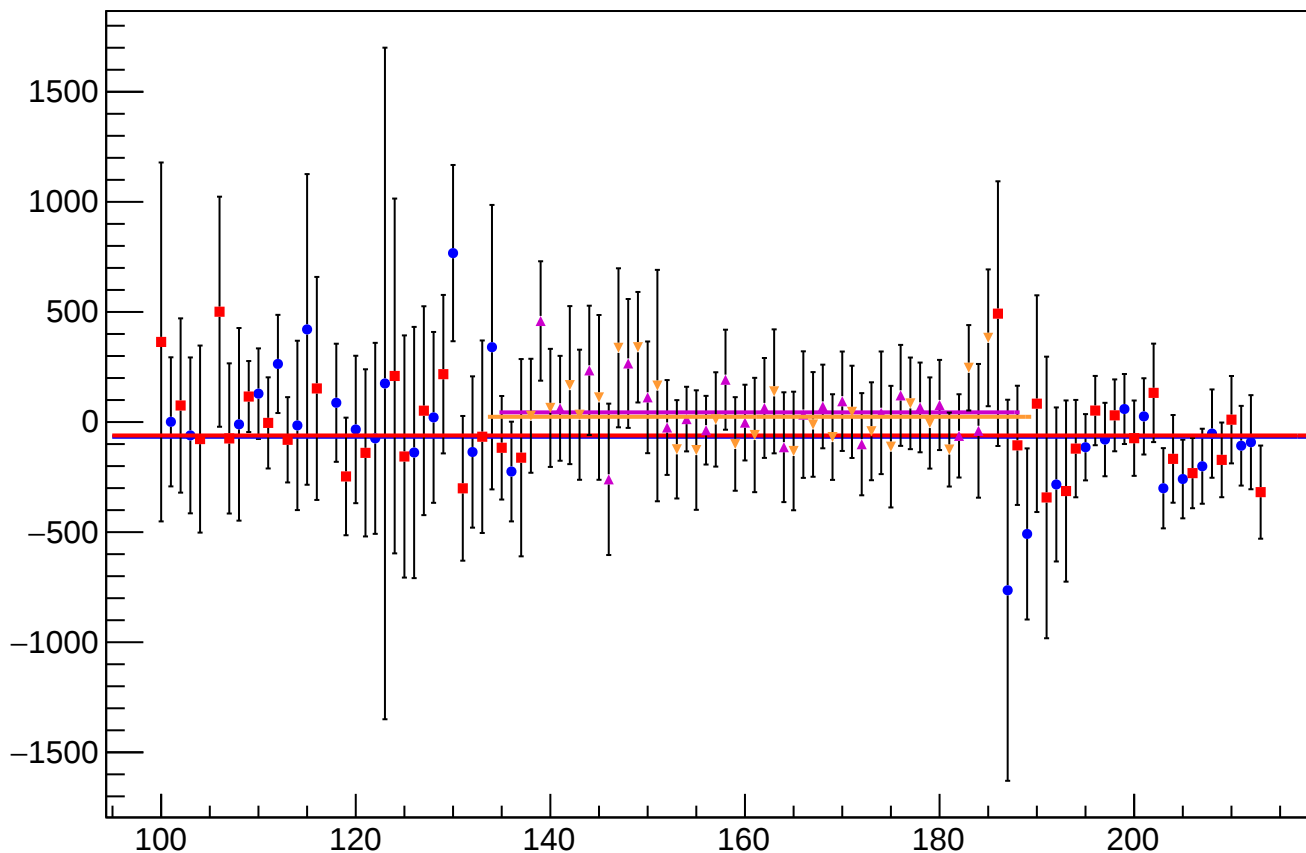
Right: 174.907 ± 0.022 χ^2/NDF : 4644617.4/63

In: 180.075 ± 0.023 χ^2/NDF : 3537703.5/52

Out: 188.147 ± 0.023 χ^2/NDF : 4666633.7/58

All: 184.054 ± 0.016 χ^2/NDF : 8265042.3/111

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -66.959 $\pm$ 44.964 χ^2 /NDF: 16.2/29

Left Out: 23.843 $\pm$ 48.783 χ^2 /NDF:8.5/24

Right Out: -60.955 $\pm$ 43.767 χ^2 /NDF: 11.6/33

Left In: 43.978 $\pm$ 45.981 χ^2 /NDF:6.5/22

Left: 34.506 $\pm$ 33.460 χ^2 /NDF: 15.1/47

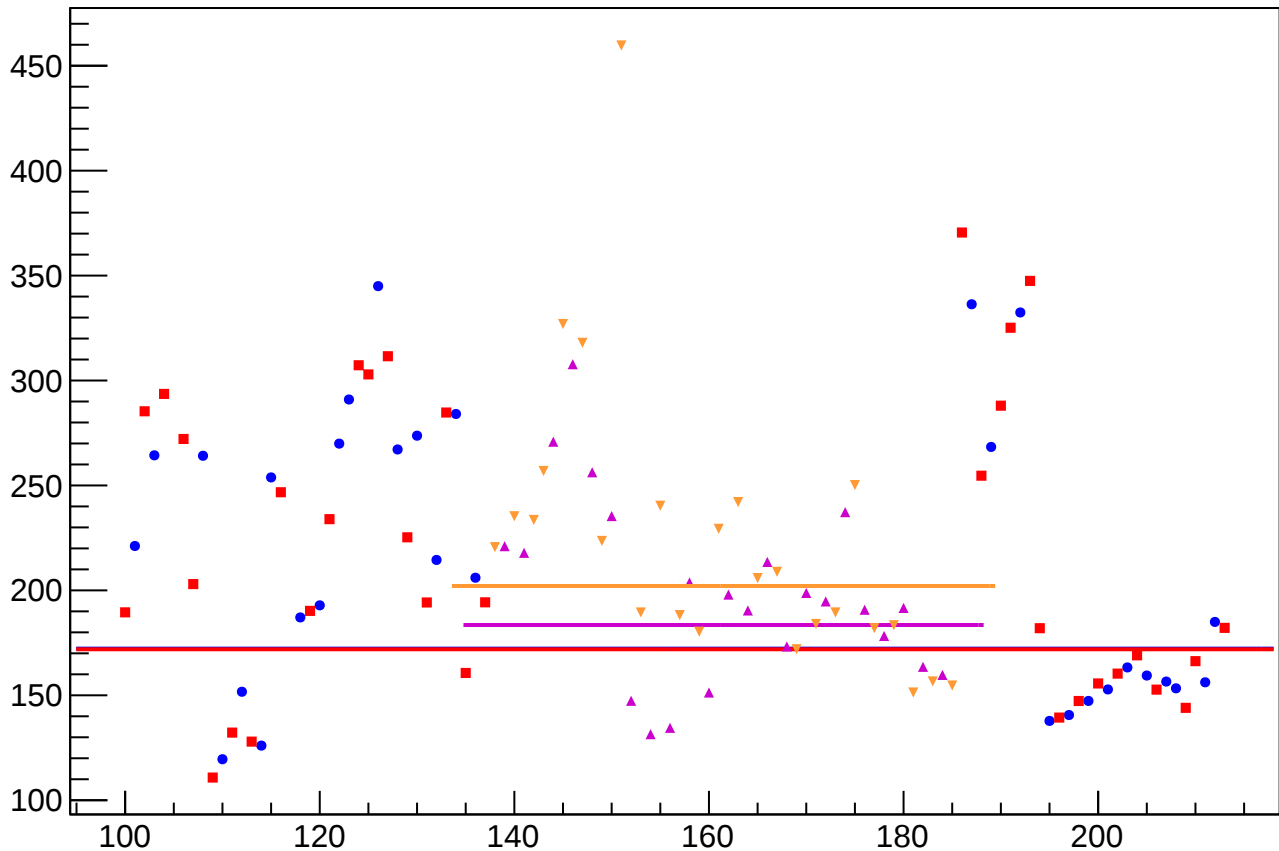
Right: -63.876 $\pm$ 31.363 χ^2 /NDF: 27.9/63

In: -12.730 $\pm$ 32.148 χ^2 /NDF:25.7/52

Out: -23.138 $\pm$ 32.577 χ^2 /NDF:21.8/58

All: -17.865 $\pm$ 22.882 χ^2 /NDF: 47.5/111

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 172.231 ± 0.032 χ^2/NDF : 2114385.3/29

Left Out: 202.081 ± 0.034 χ^2/NDF : 1692787.9/24

Right Out: 171.931 ± 0.031 χ^2/NDF : 2772824.7/33

Left In: 183.498 ± 0.033 χ^2/NDF : 1483383.4/22

Left: 192.240 ± 0.024 χ^2/NDF : 3329846.6/47

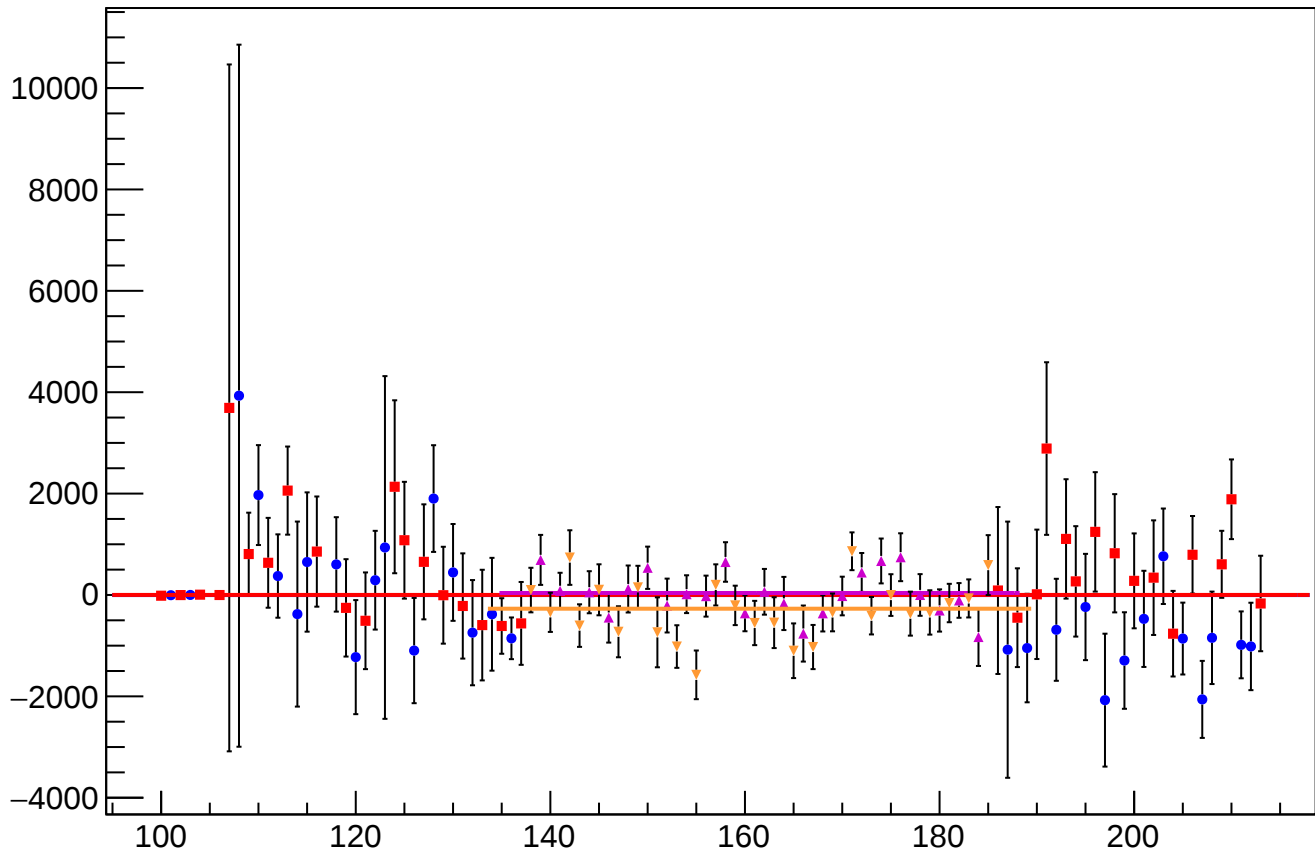
Right: 172.077 ± 0.022 χ^2/NDF : 4887255.7/63

In: 177.739 ± 0.023 χ^2/NDF : 3659157.1/52

Out: 185.377 ± 0.023 χ^2/NDF : 4888865.9/58

All: 181.507 ± 0.016 χ^2/NDF : 8603723.4/111

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.601 ± 2.251 χ^2/NDF : 37.6/29

Left Out: -270.969 ± 86.967 χ^2/NDF : 38.1/24

Right Out: 0.762 ± 2.111 χ^2/NDF : 33.5/33

Left In: 39.078 ± 87.769 χ^2/NDF : 20.3/22

Left: -117.369 ± 61.777 χ^2/NDF : 64.7/47

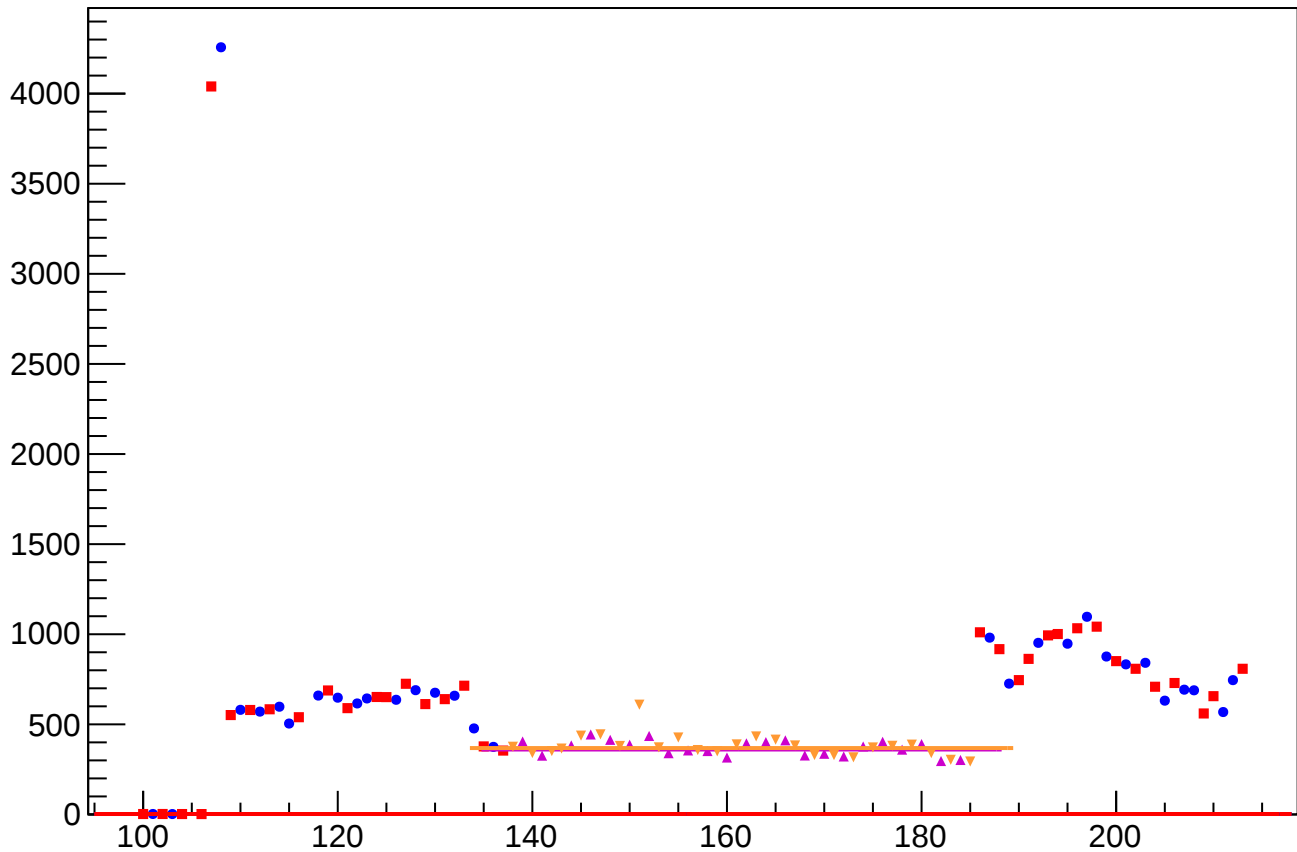
Right: -0.344 ± 1.540 χ^2/NDF : 71.7/63

In: -1.575 ± 2.251 χ^2/NDF : 58.1/52

Out: 0.602 ± 2.110 χ^2/NDF : 81.3/58

All: -0.416 ± 1.539 χ^2/NDF : 139.9/111

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.515 $\pm$ 0.002 χ^2 /NDF: 28940704.5/29

Left Out: 368.397 $\pm$ 0.061 χ^2 /NDF:622466.1/24

Right Out: 2.491 $\pm$ 0.001 χ^2 /NDF: 31159386.0/33

Left In: 360.408 $\pm$ 0.062 χ^2 /NDF:417739.4/22

Left: 364.439 $\pm$ 0.044 χ^2 /NDF: 1048566.0/47

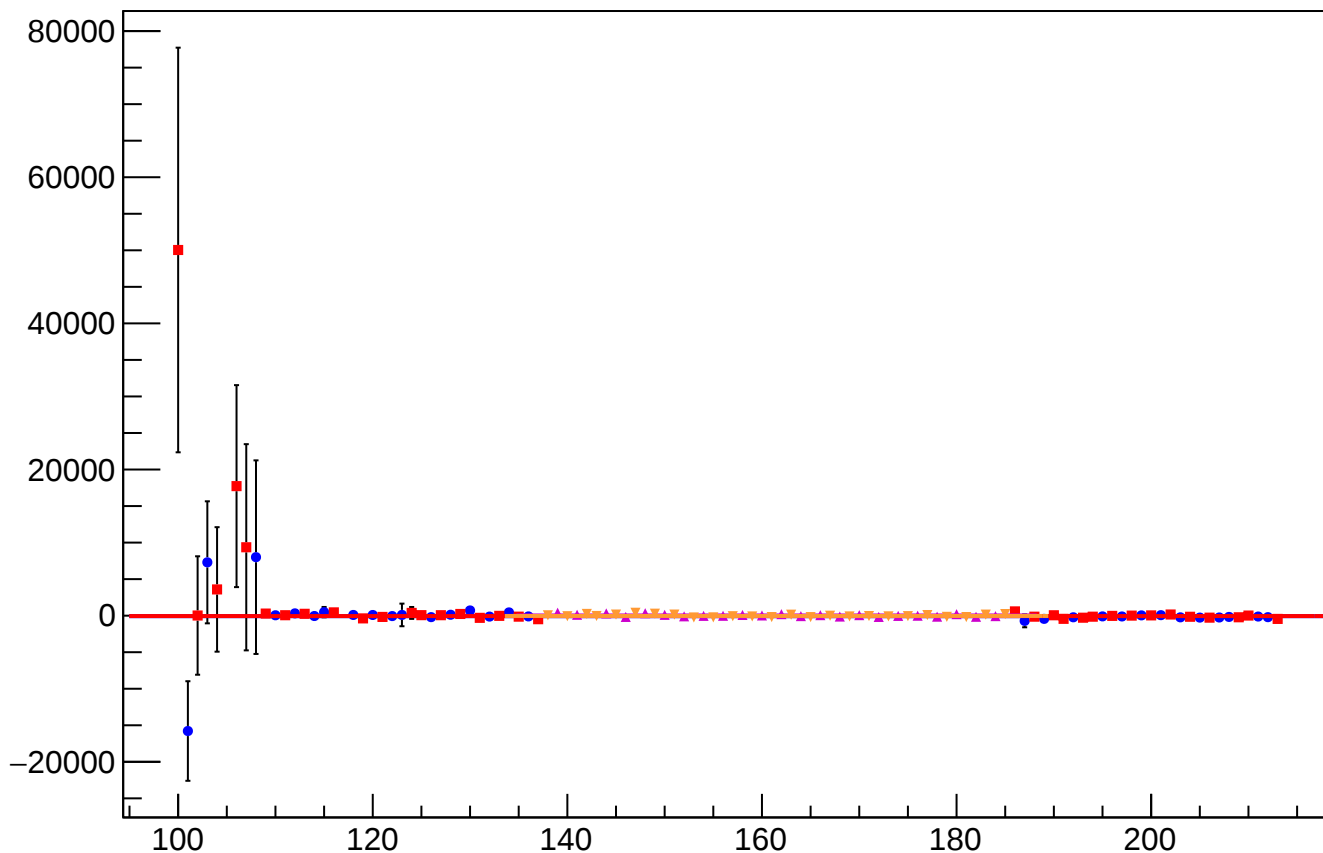
Right: 2.502 $\pm$ 0.001 χ^2 /NDF: 60100214.2/63

In: 2.751 $\pm$ 0.002 χ^2 /NDF:62590988.3/52

Out: 2.707 $\pm$ 0.001 χ^2 /NDF:67165372.7/58

All: 2.727 $\pm$ 0.001 χ^2 /NDF: 129756770.0/111

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -68.463 $\pm$ 48.995 χ^2/NDF : 21.4/29

Left Out: -38.013 $\pm$ 49.628 χ^2/NDF : 9.3/24

Right Out: -55.982 $\pm$ 48.417 χ^2/NDF : 24.1/33

Left In: 28.205 $\pm$ 48.167 χ^2/NDF : 9.2/22

Left: -3.915 $\pm$ 34.564 χ^2/NDF : 19.4/47

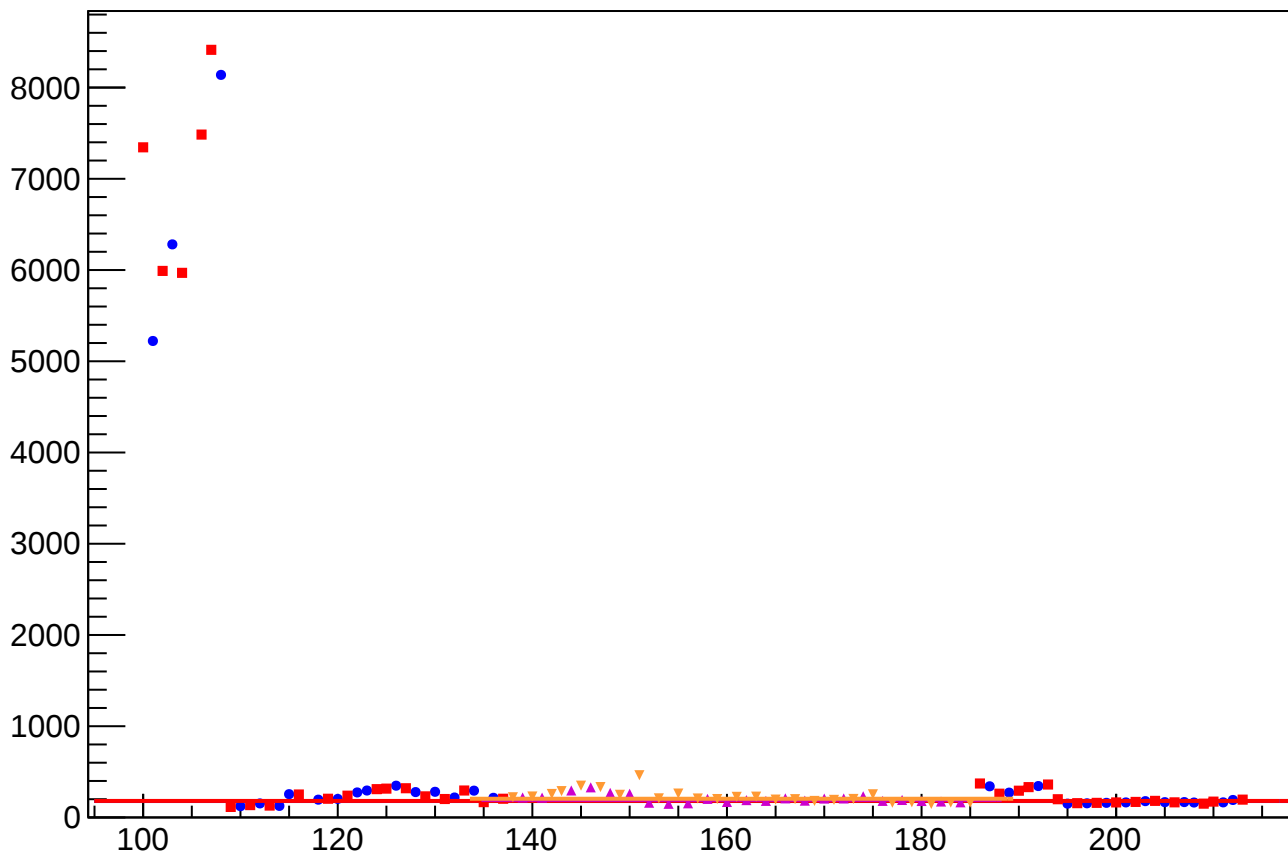
Right: -62.149 $\pm$ 34.439 χ^2/NDF : 45.6/63

In: -19.305 $\pm$ 34.348 χ^2/NDF : 32.6/52

Out: -47.220 $\pm$ 34.656 χ^2/NDF : 33.5/58

All: -33.138 $\pm$ 24.396 χ^2/NDF : 66.4/111

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 180.041 $\pm$ 0.035 χ^2 /NDF: 4538356.5/29

Left Out: 205.027 $\pm$ 0.035 χ^2 /NDF:1956045.1/24

Right Out: 181.063 $\pm$ 0.034 χ^2 /NDF: 5425244.1/33

Left In: 193.405 $\pm$ 0.034 χ^2 /NDF:1172169.3/22

Left: 199.042 $\pm$ 0.024 χ^2 /NDF: 3184695.4/47

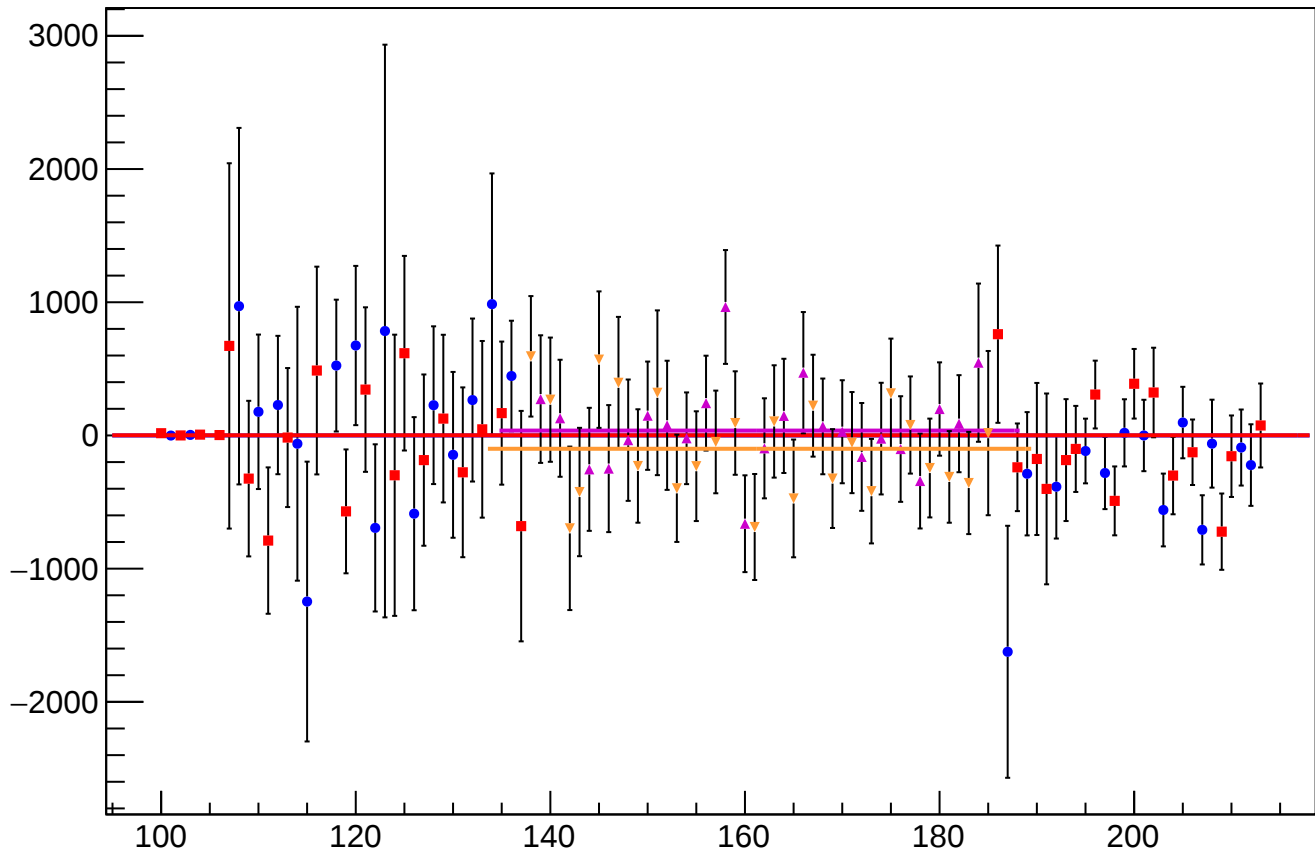
Right: 180.558 $\pm$ 0.024 χ^2 /NDF: 9964040.6/63

In: 186.837 $\pm$ 0.024 χ^2 /NDF:5786189.7/52

Out: 192.749 $\pm$ 0.025 χ^2 /NDF:7620214.8/58

All: 189.766 $\pm$ 0.017 χ^2 /NDF: 13435766.6/117

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.236 $\pm$ 1.736 χ^2/NDF : 28.1/29

Left Out: -100.058 $\pm$ 84.190 χ^2/NDF :15.7/24

Right Out: 1.287 $\pm$ 1.622 χ^2/NDF : 28.1/33

Left In: 36.497 $\pm$ 84.675 χ^2/NDF :13.5/22

Left: -32.173 $\pm$ 59.702 χ^2/NDF : 30.5/47

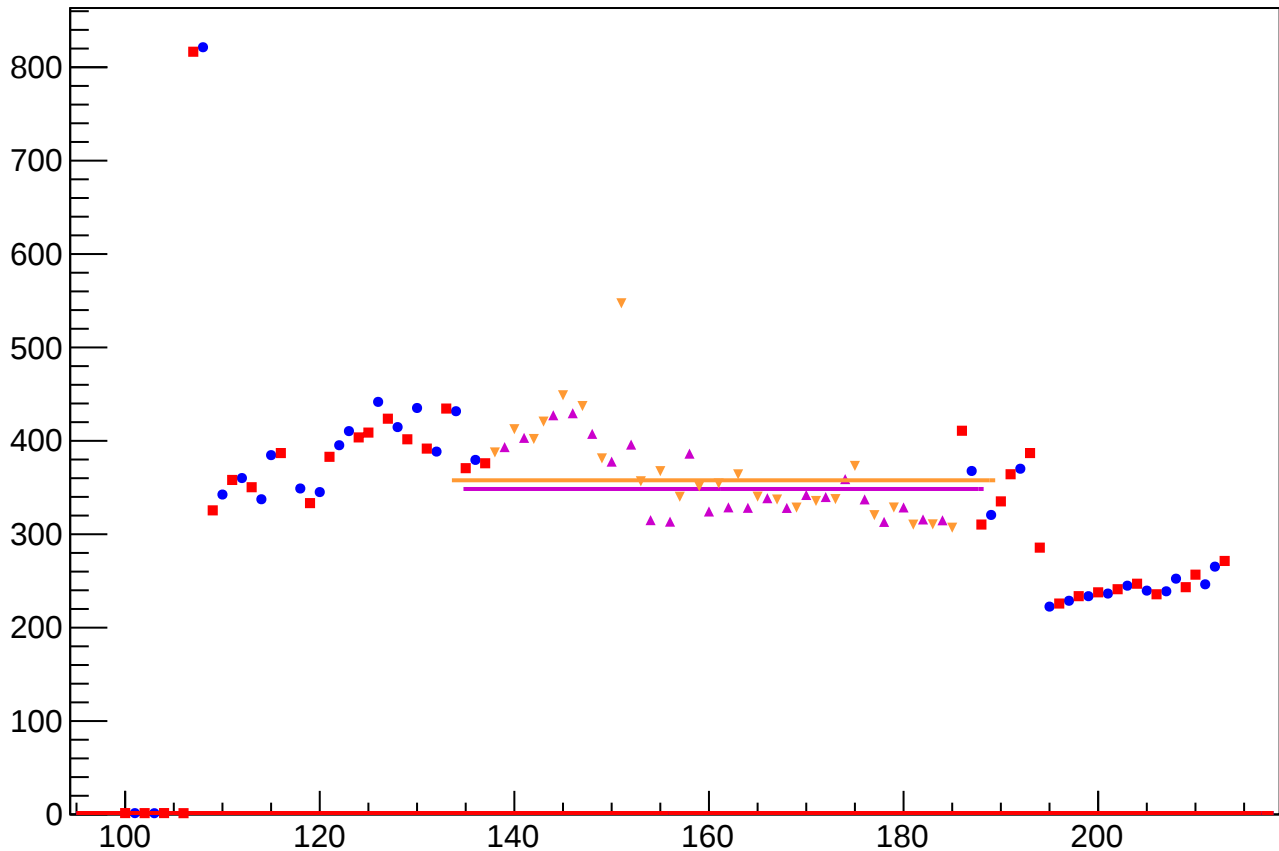
Right: 0.577 $\pm$ 1.185 χ^2/NDF : 56.6/63

In: -0.220 $\pm$ 1.736 χ^2/NDF :41.8/52

Out: 1.250 $\pm$ 1.622 χ^2/NDF :45.3/58

All: 0.565 $\pm$ 1.185 χ^2/NDF : 87.5/111

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.562 $\pm$ 0.001 χ^2 /NDF: 29202246.6/29

Left Out: 357.771 $\pm$ 0.060 χ^2 /NDF: 547124.8/24

Right Out: 1.550 $\pm$ 0.001 χ^2 /NDF: 30866512.3/33

Left In: 348.464 $\pm$ 0.060 χ^2 /NDF: 360425.7/22

Left: 353.145 $\pm$ 0.042 χ^2 /NDF: 919701.2/47

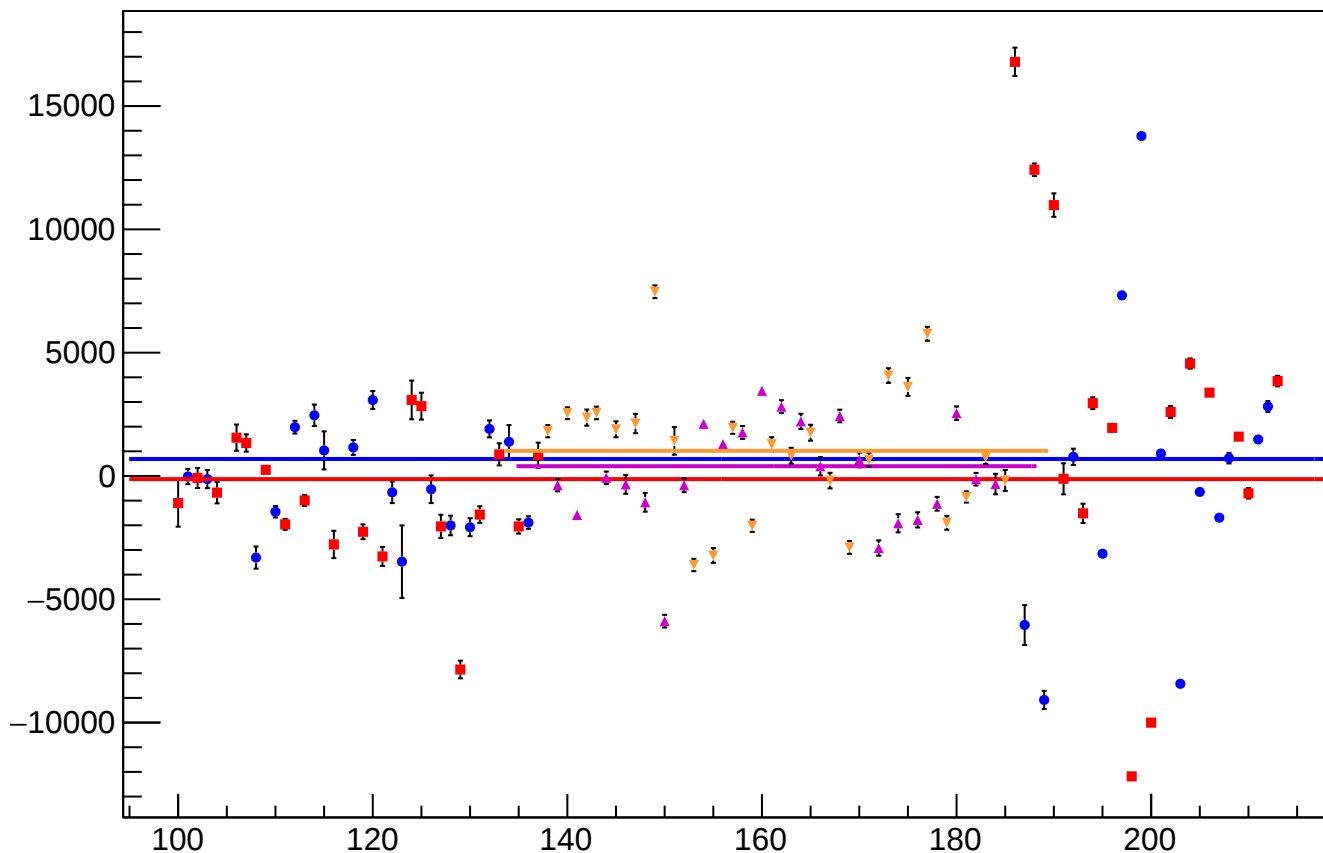
Right: 1.556 $\pm$ 0.001 χ^2 /NDF: 60068807.9/63

In: 1.708 $\pm$ 0.001 χ^2 /NDF: 63116933.1/52

Out: 1.683 $\pm$ 0.001 χ^2 /NDF: 67205872.0/58

All: 1.694 $\pm$ 0.001 χ^2 /NDF: 130323032.5/111

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 689.578 ± 48.747 $\chi^2/\text{NDF}: 10944.7/29$

Left Out: 1018.965 ± 57.402 $\chi^2/\text{NDF}: 2310.1/24$

Right Out: -127.454 ± 47.145 $\chi^2/\text{NDF}: 13691.2/33$

Left In: 396.609 ± 55.090 $\chi^2/\text{NDF}: 1581.0/22$

Left: 695.002 ± 39.747 $\chi^2/\text{NDF}: 3952.3/47$

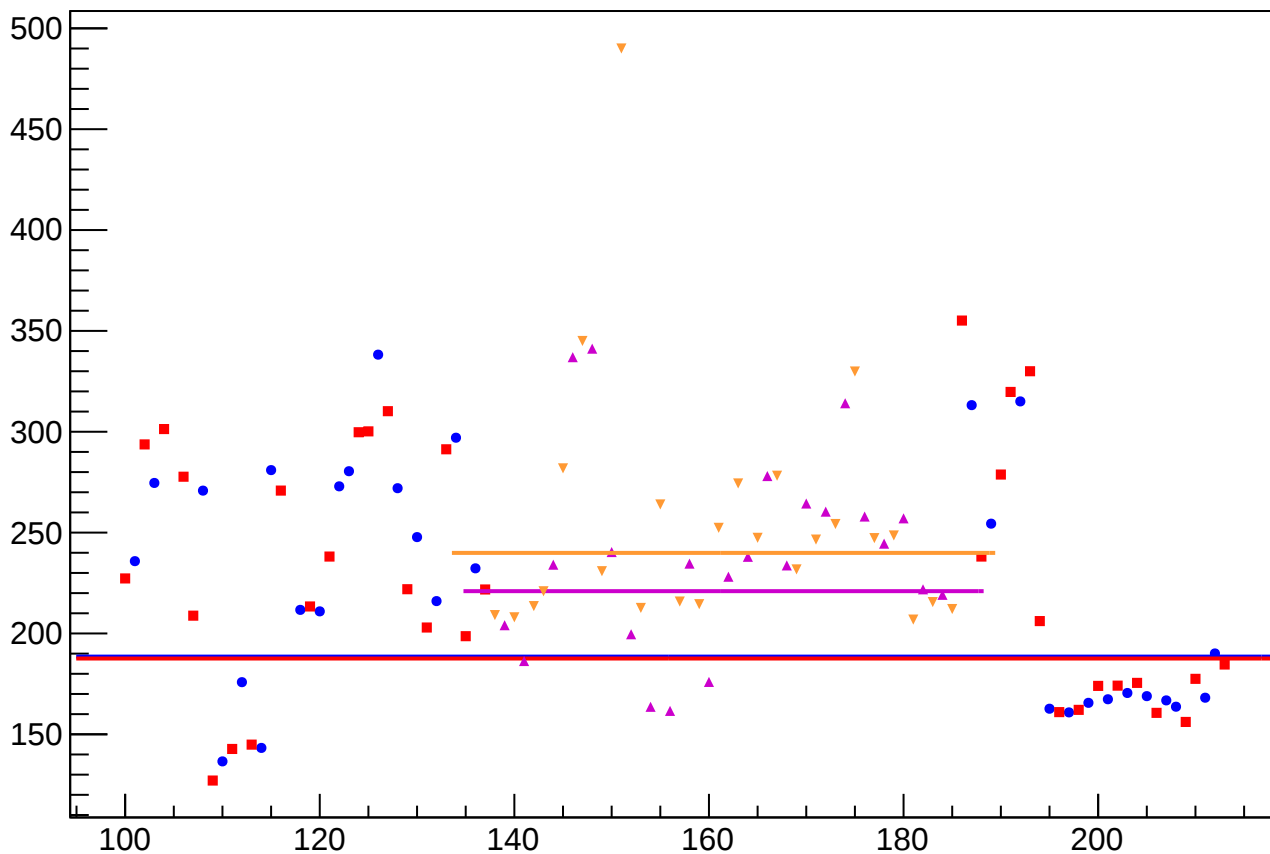
Right: 267.423 ± 33.889 $\chi^2/\text{NDF}: 24781.1/63$

In: 560.924 ± 36.507 $\chi^2/\text{NDF}: 12541.6/52$

Out: 334.359 ± 36.432 $\chi^2/\text{NDF}: 16239.5/58$

All: 447.411 ± 25.788 $\chi^2/\text{NDF}: 28800.4/111$

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 188.522 ± 0.034 χ^2/NDF : 1545636.8/29

Left Out: 239.942 ± 0.041 χ^2/NDF : 1000770.0/24

Right Out: 187.576 ± 0.033 χ^2/NDF : 2121642.2/33

Left In: 220.972 ± 0.039 χ^2/NDF : 1327680.6/22

Left: 230.067 ± 0.028 χ^2/NDF : 2442154.9/47

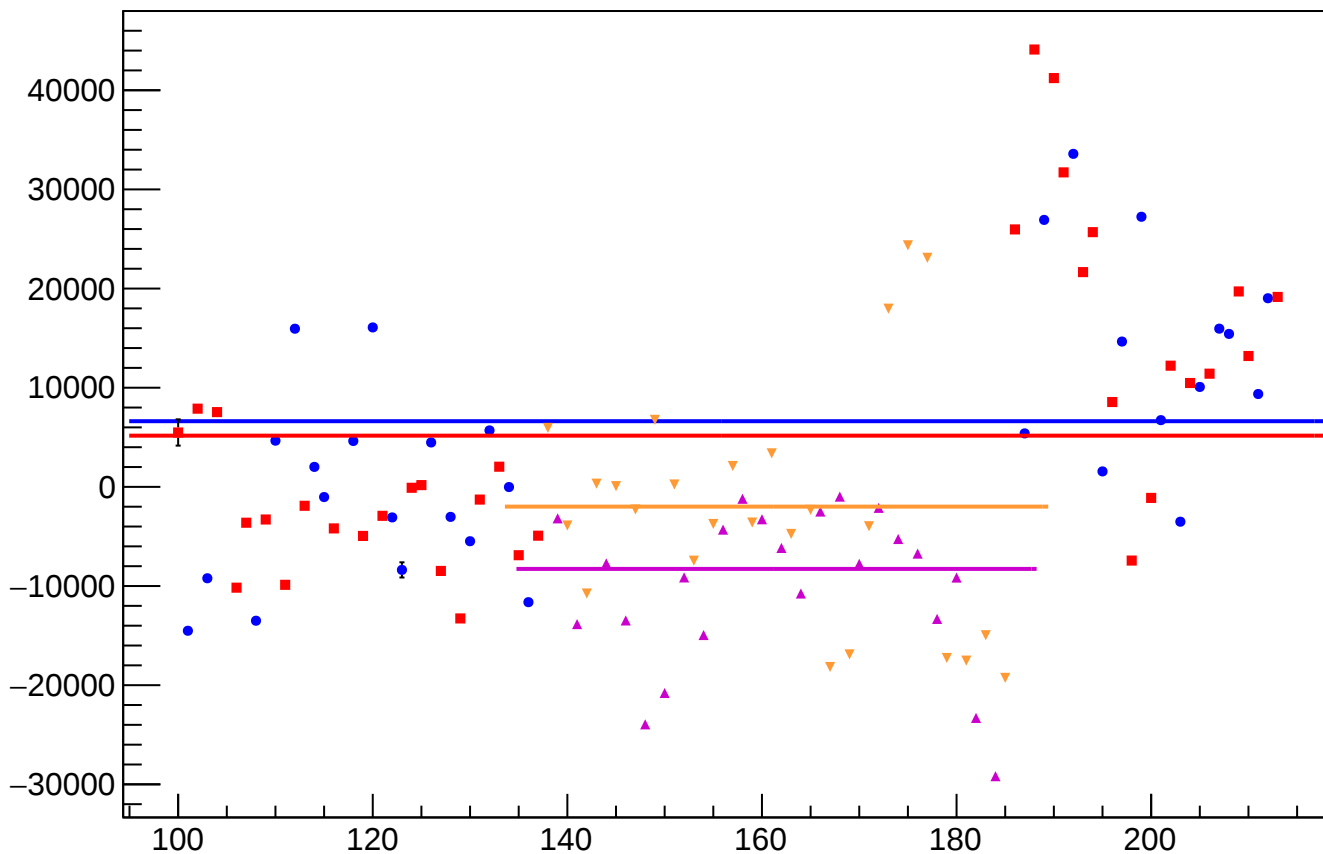
Right: 188.033 ± 0.024 χ^2/NDF : 3667668.2/63

In: 202.772 ± 0.026 χ^2/NDF : 3262508.7/52

Out: 208.670 ± 0.026 χ^2/NDF : 4116375.4/58

All: 205.727 ± 0.018 χ^2/NDF : 7405046.0/111

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 6622.962 $\pm$ 40.682 χ^2/NDF : 93694.9/29

Left Out: -1991.788 $\pm$ 42.427 χ^2/NDF : 63766.6/24

Right Out: 5164.569 $\pm$ 38.756 χ^2/NDF : 144038.9/33

Left In: -8273.228 $\pm$ 44.301 χ^2/NDF : 22870.2/22

Left: -4996.810 $\pm$ 30.641 χ^2/NDF : 97123.2/47

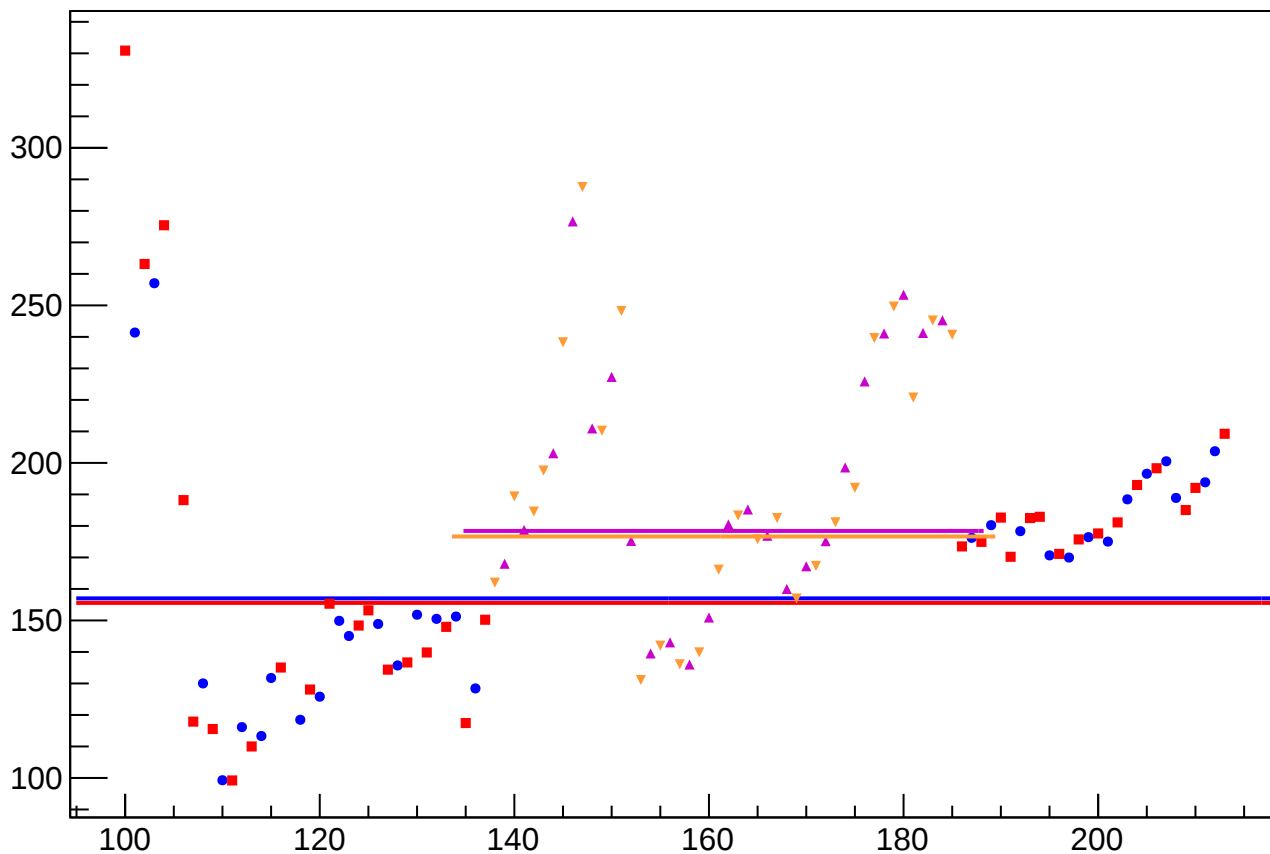
Right: 5858.423 $\pm$ 28.061 χ^2/NDF : 238407.5/63

In: -191.922 $\pm$ 29.964 χ^2/NDF : 177902.6/52

Out: 1909.320 $\pm$ 28.614 χ^2/NDF : 223315.0/58

All: 907.099 $\pm$ 20.694 χ^2/NDF : 403789.6/111

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 157.009 $\pm$ 0.029 χ^2 /NDF: 1431781.2/29

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 155.571 $\pm$ 0.027 χ^2 /NDF: 1731052.3/33

Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

Left: 177.489 $\pm$ 0.022 χ^2 /NDF: 2846455.0/47

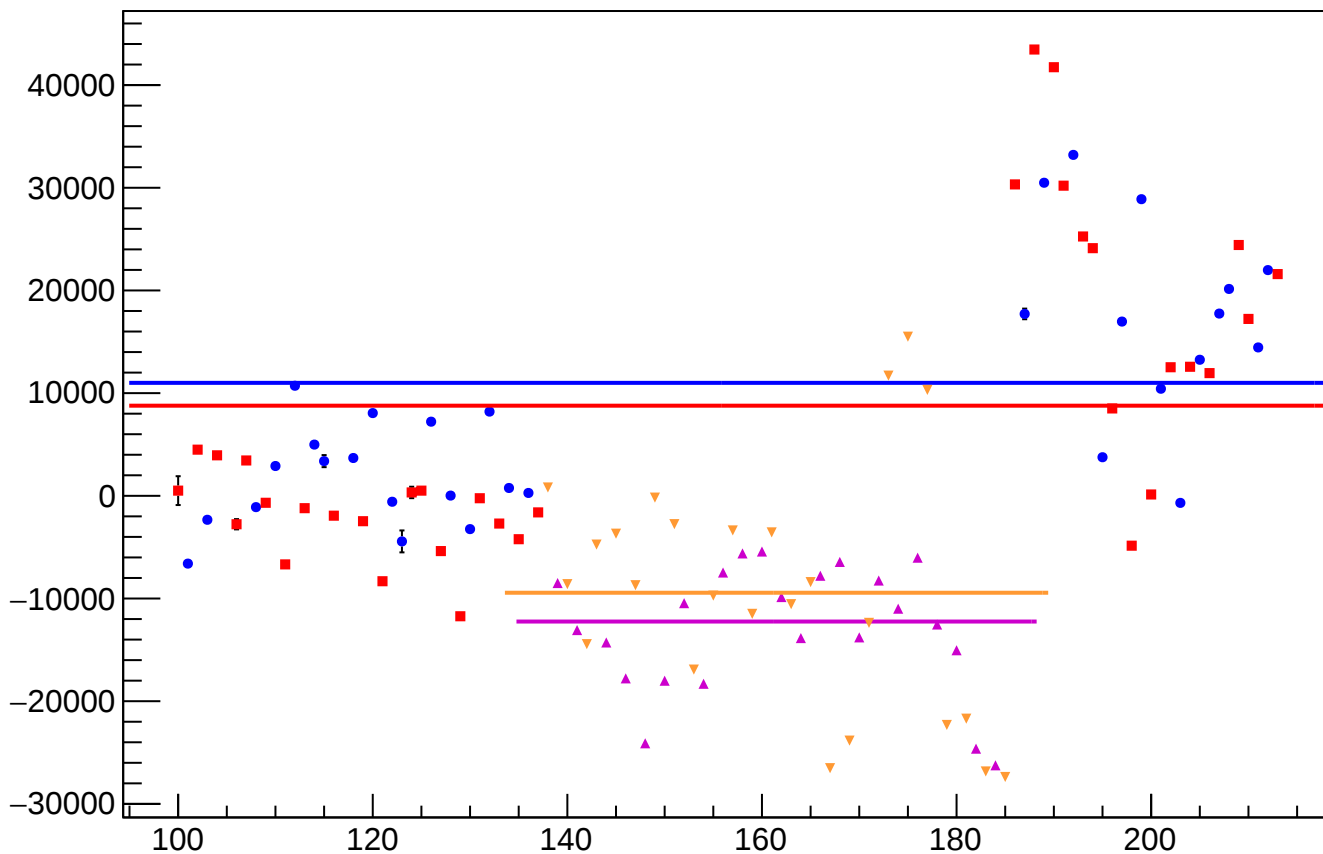
Right: 156.255 $\pm$ 0.020 χ^2 /NDF: 3164141.8/63

In: 166.801 $\pm$ 0.021 χ^2 /NDF:2978810.9/52

Out: 165.155 $\pm$ 0.020 χ^2 /NDF:3550973.0/58

All: 165.940 $\pm$ 0.015 χ^2 /NDF: 6532939.3/111

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 11002.209+/-45.159

χ^2/NDF : 55126.9/29

Left Out: -9437.408+/-45.534

χ^2/NDF : 62220.4/24

Right Out: 8778.623+/-42.880

χ^2/NDF : 115696.0/33

Left In: -12242.226+/-43.944

χ^2/NDF : 16615.8/22

Left: -10889.638+/-31.621 χ^2/NDF : 80800.7/47

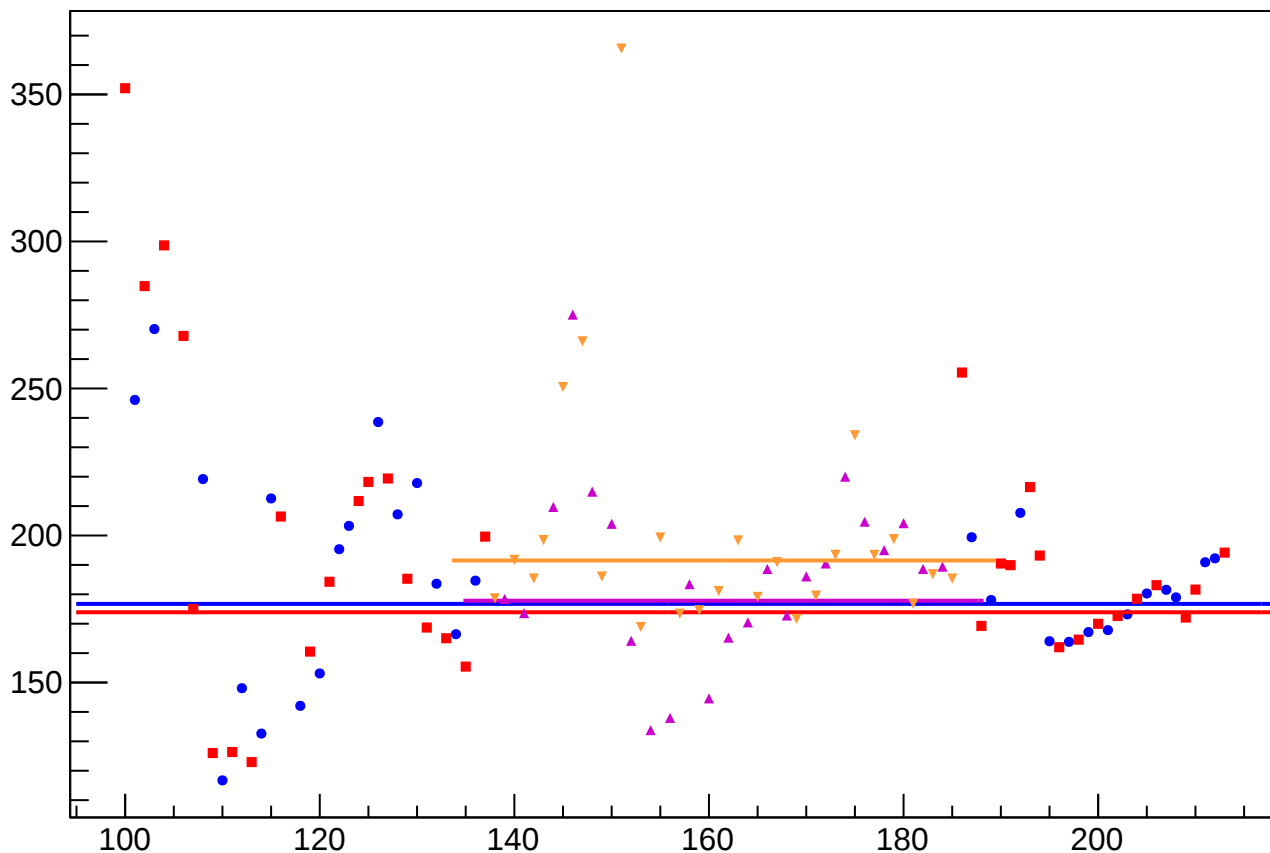
Right: 9832.899+/-31.095 χ^2/NDF : 172097.9/63

In: -936.772+/-31.494 χ^2/NDF : 207824.3/52

Out: 216.964+/-31.217 χ^2/NDF : 262736.7/58

All: -354.807+/-22.171 χ^2/NDF : 471237.9/11

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 176.743+/-0.032 χ^2/NDF : 781849.5/29

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 173.891+/-0.030 χ^2/NDF : 1151604.9/33

Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

Left: 184.421+/-0.022 χ^2/NDF : 1683284.8/47

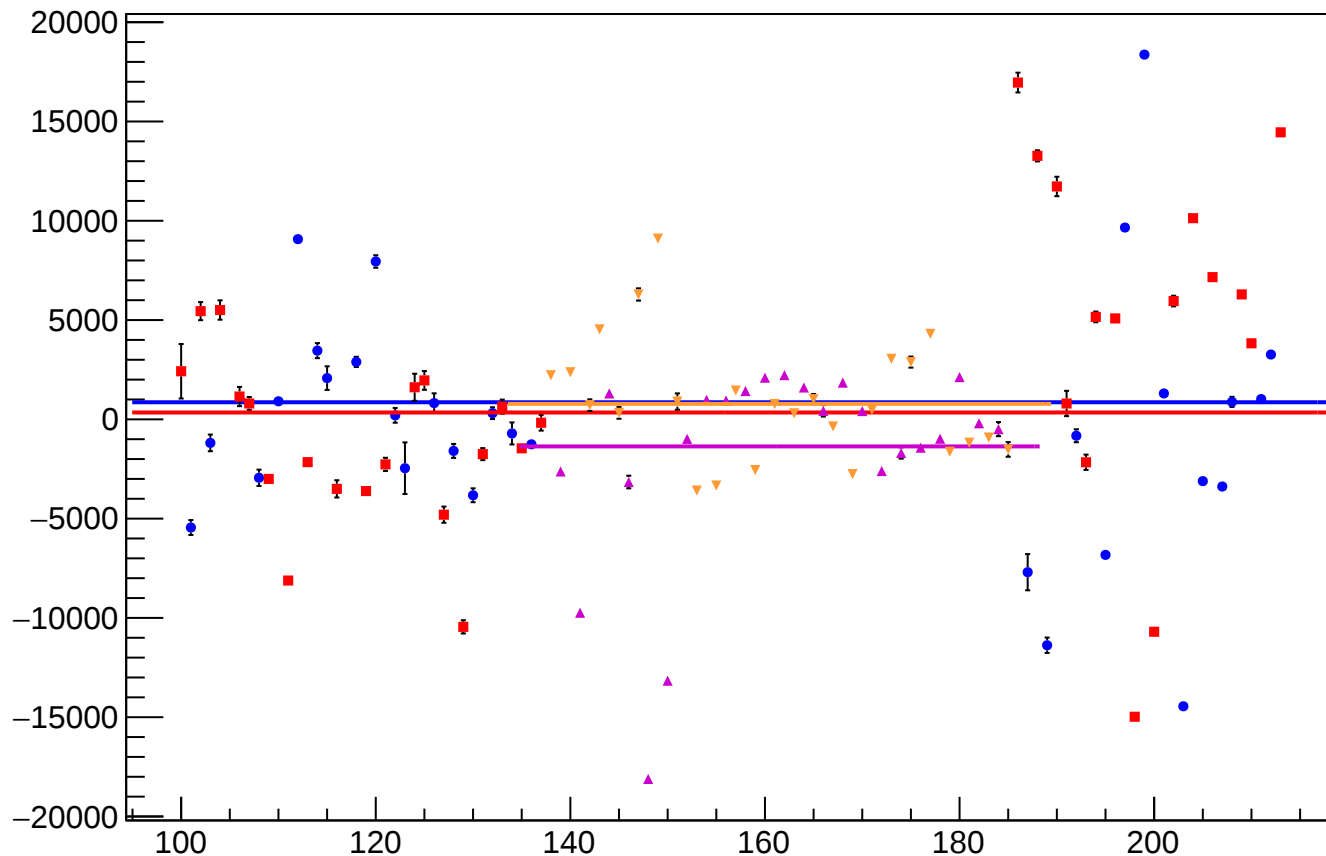
Right: 175.243+/-0.022 χ^2/NDF : 1937650.5/63

In: 177.297+/-0.022 χ^2/NDF : 1644929.6/52

Out: 182.170+/-0.022 χ^2/NDF : 2037506.3/58

All: 179.755+/-0.016 χ^2/NDF : 3706591.9/111

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 859.868 $\pm$ 50.602 χ^2 /NDF: 20439.0/29

Left Out: 779.983 $\pm$ 47.457 χ^2 /NDF:4260.8/24

Right Out: 345.795 $\pm$ 48.260 χ^2 /NDF: 24948.3/33

Left In: -1363.043 $\pm$ 45.807 χ^2 /NDF:11632.9/22

Left: -329.448 $\pm$ 32.958 χ^2 /NDF: 16949.3/47

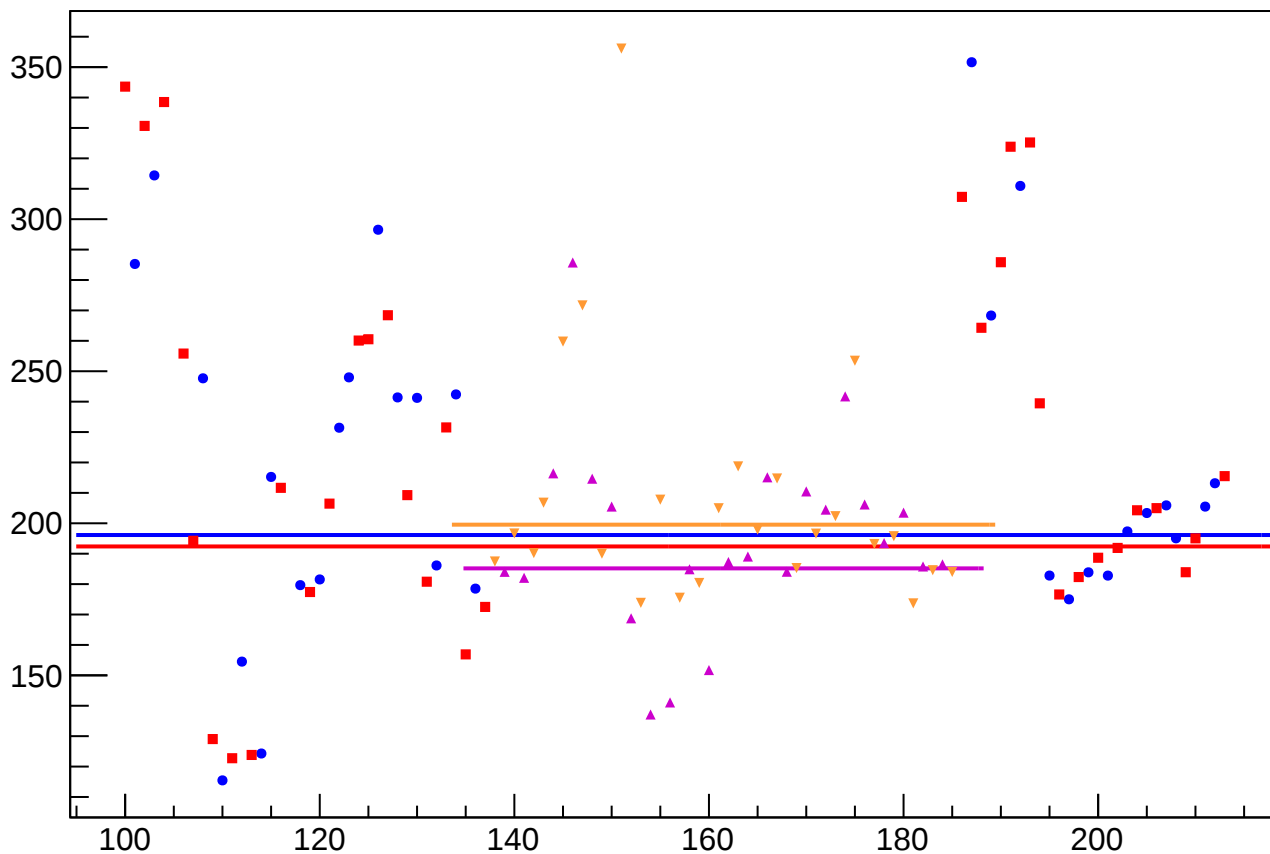
Right: 590.661 $\pm$ 34.923 χ^2 /NDF: 45441.4/63

In: -361.874 $\pm$ 33.959 χ^2 /NDF:33132.5/52

Out: 566.529 $\pm$ 33.838 χ^2 /NDF:29250.2/58

All: 103.993 $\pm$ 23.970 χ^2 /NDF: 62757.8/111

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 196.143 ± 0.036 χ^2/NDF : 1429138.2/29

Left Out: 199.547 ± 0.034 χ^2/NDF : 729356.3/24

Right Out: 192.384 ± 0.034 χ^2/NDF : 2162853.9/33

Left In: 185.171 ± 0.032 χ^2/NDF : 882752.2/22

Left: 192.104 ± 0.023 χ^2/NDF : 1707122.0/47

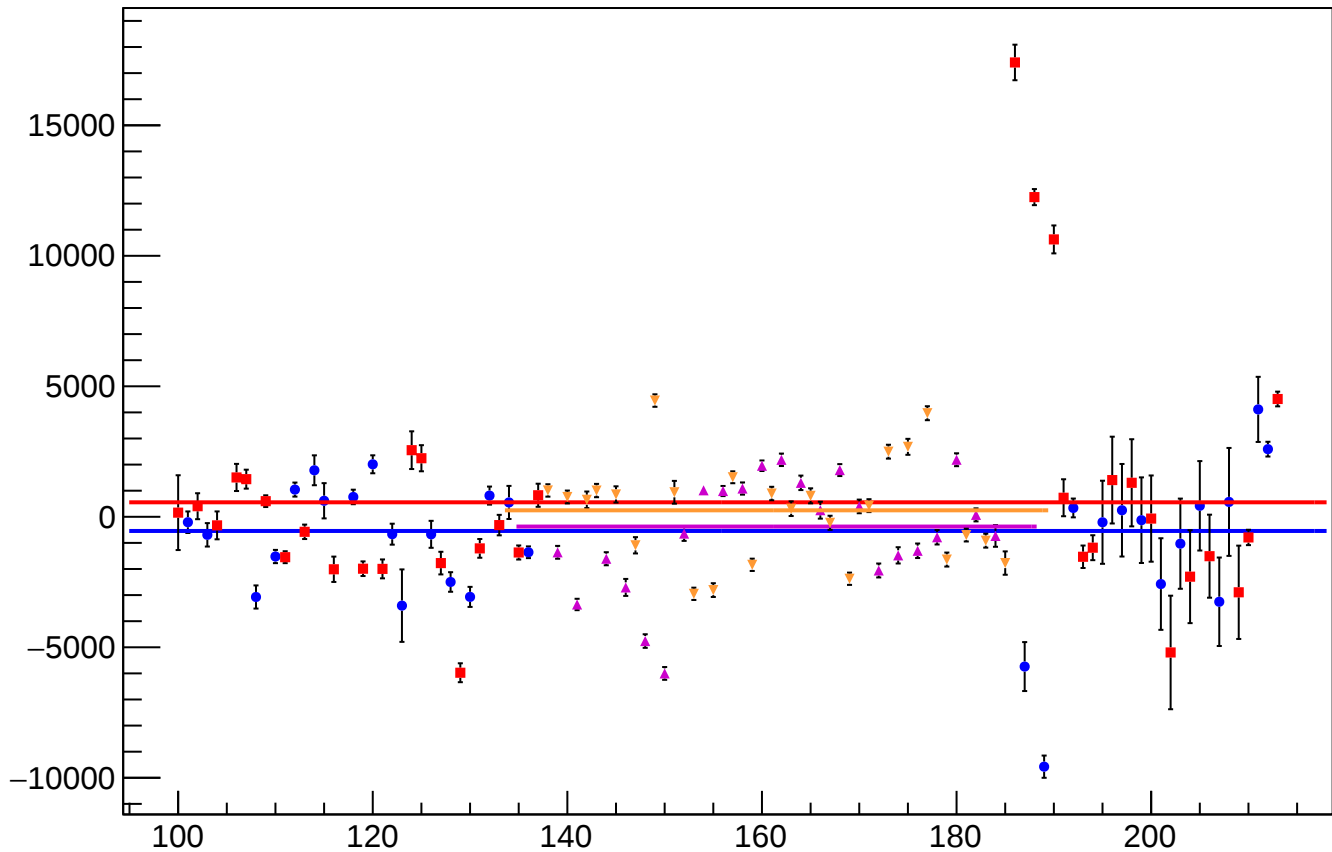
Right: 194.174 ± 0.025 χ^2/NDF : 3597769.9/63

In: 190.112 ± 0.024 χ^2/NDF : 2363571.9/52

Out: 196.026 ± 0.024 χ^2/NDF : 2914606.7/58

All: 193.080 ± 0.017 χ^2/NDF : 5308608.9/111

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -542.837+/-79.807 χ^2/NDF : 913.3/29

Left Out: 247.844+/-53.555 χ^2/NDF :1355.1/24

Right Out: 555.028+/-70.319 χ^2/NDF : 3400.3/33

Left In: -374.122+/-52.049 χ^2/NDF :1801.0/22

Left: -72.006+/-37.325 χ^2/NDF : 3225.5/47

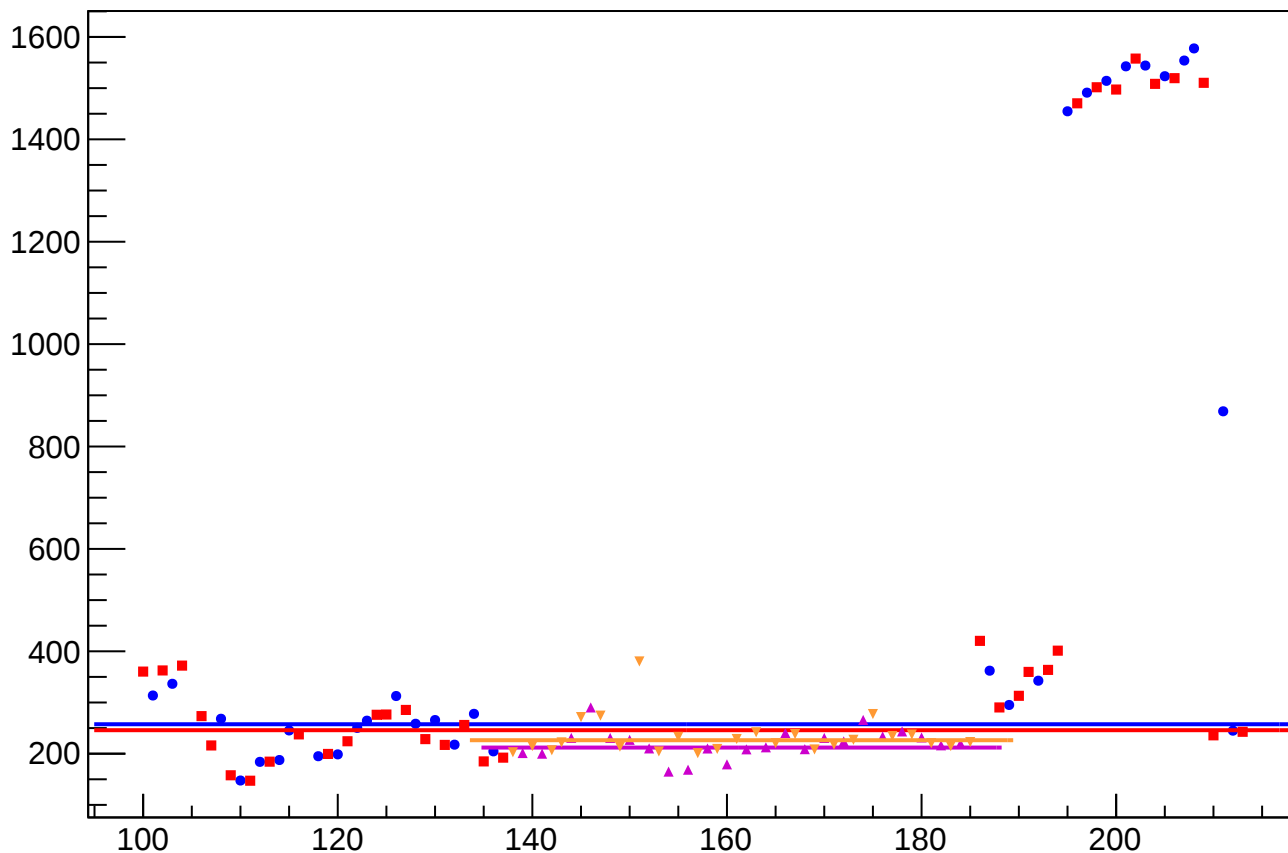
Right: 75.209+/-52.760 χ^2/NDF : 4420.1/63

In: -424.469+/-43.597 χ^2/NDF :2717.5/52

Out: 360.612+/-42.605 χ^2/NDF :4767.5/58

All: -22.903+/-30.471 χ^2/NDF : 7650.8/111

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 257.520 $\pm$ 0.056 χ^2 /NDF: 10145731.7/29

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF: 521041.8/24

Right Out: 245.898 $\pm$ 0.050 χ^2 /NDF: 9273307.6/33

Left In: 211.970 $\pm$ 0.037 χ^2 /NDF: 584344.5/22

Left: 218.941 $\pm$ 0.026 χ^2 /NDF: 1179246.7/47

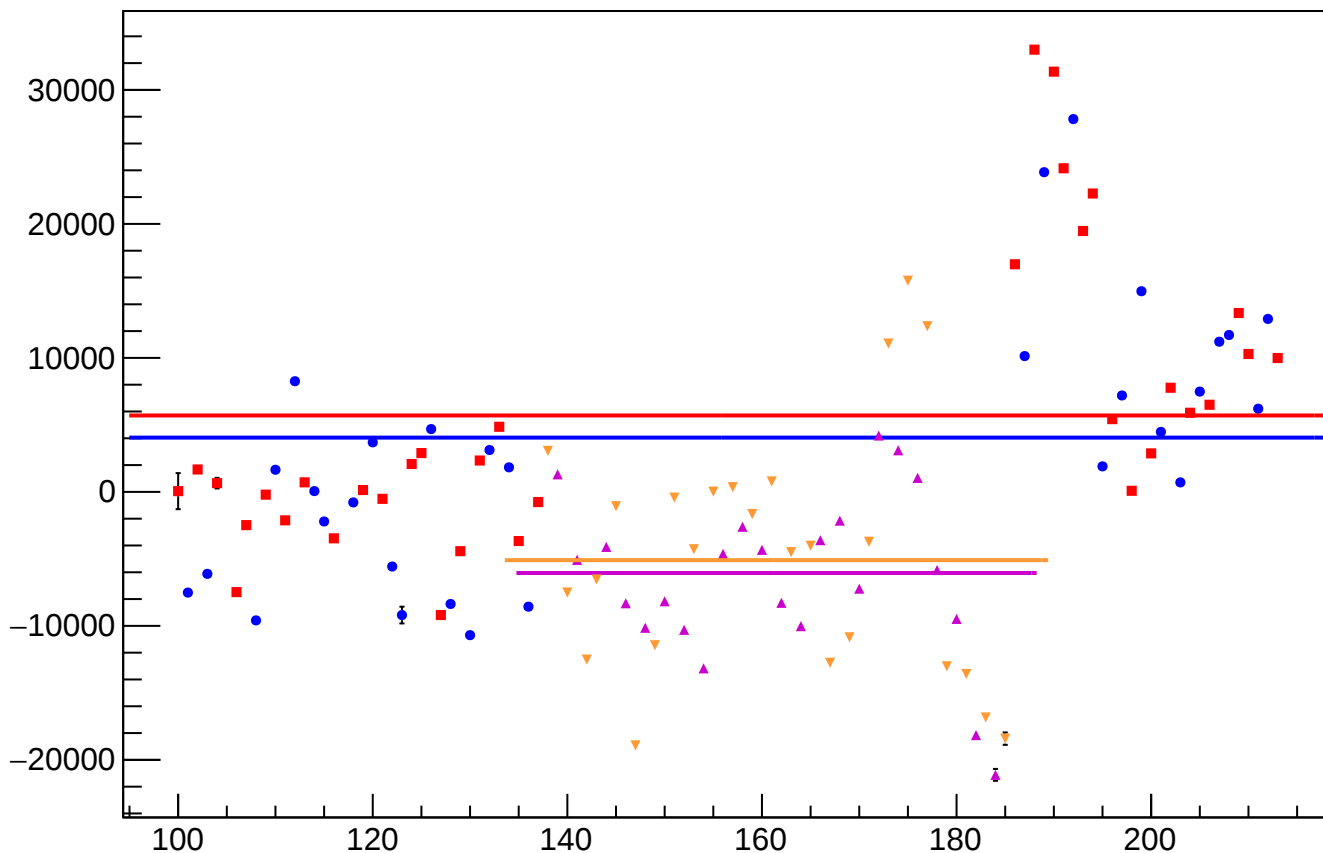
Right: 250.978 $\pm$ 0.037 χ^2 /NDF: 19442917.0/63

In: 225.563 $\pm$ 0.031 χ^2 /NDF: 11187172.9/52

Out: 233.508 $\pm$ 0.030 χ^2 /NDF: 9892454.8/58

All: 229.627 $\pm$ 0.022 χ^2 /NDF: 21113605.1/11

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 4050.714+/-34.584

χ^2/NDF : 79411.8/29

Left Out: -5095.305+/-33.703

χ^2/NDF : 54395.4/24

Right Out: 5703.034+/-32.712

χ^2/NDF : 103898.9/33

Left In: -6053.569+/-34.998

χ^2/NDF : 17590.3/22

Left: -5556.386+/-24.277

χ^2/NDF : 72374.6/47

Right: 4922.809+/-23.765

χ^2/NDF : 184515.4/63

In: -941.296+/-24.600

χ^2/NDF : 139174.8/52

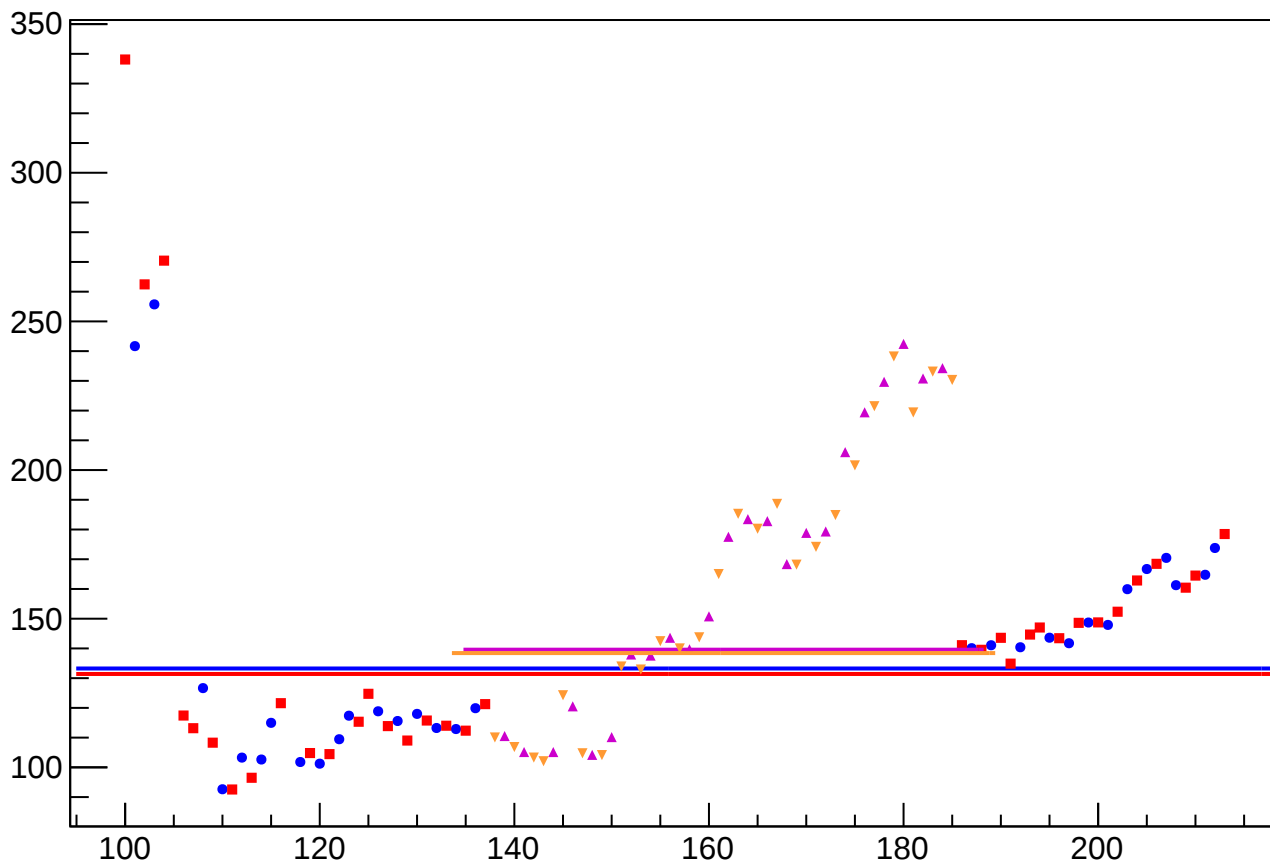
Out: 465.084+/-23.473

χ^2/NDF : 211152.6/58

All: -205.177+/-16.982

χ^2/NDF : 352038.2/111

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 133.251+/-0.024 χ^2/NDF : 1431895.6/29

Left Out: 138.436+/-0.024 χ^2/NDF :2549435.8/24

Right Out: 131.408+/-0.023 χ^2/NDF : 1585555.3/33

Left In: 139.578+/-0.025 χ^2/NDF :2413658.9/22

Left: 138.985+/-0.017 χ^2/NDF : 4964199.7/47

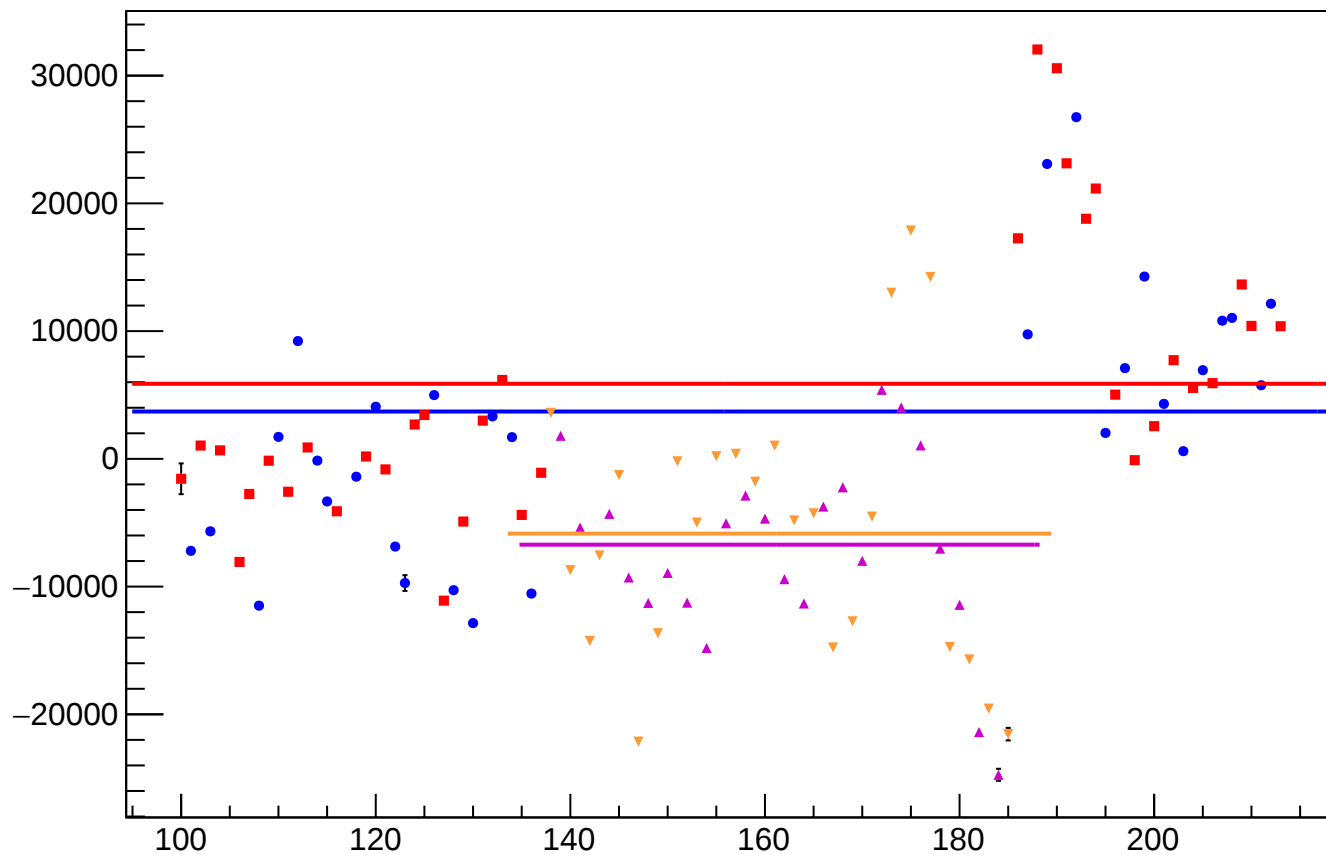
Right: 132.278+/-0.017 χ^2/NDF : 3020449.9/63

In: 136.377+/-0.017 χ^2/NDF :3878623.6/52

Out: 134.817+/-0.017 χ^2/NDF :4179773.7/58

All: 135.560+/-0.012 χ^2/NDF : 8062607.2/111

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 3705.569 $\pm$ 34.583

χ^2/NDF : 84501.9/29

Left: -6268.993 $\pm$ 25.850

χ^2/NDF : 84625.8/47

Left Out: -5852.544 $\pm$ 35.880

χ^2/NDF : 63411.4/24

Right: 4847.522 $\pm$ 23.810

χ^2/NDF : 191250.2/63

Right Out: 5876.653 $\pm$ 32.830

χ^2/NDF : 104675.2/33

In: -1116.366 $\pm$ 25.352

χ^2/NDF : 147464.2/52

Out: 531.654 $\pm$ 24.221

χ^2/NDF : 226253.5/58

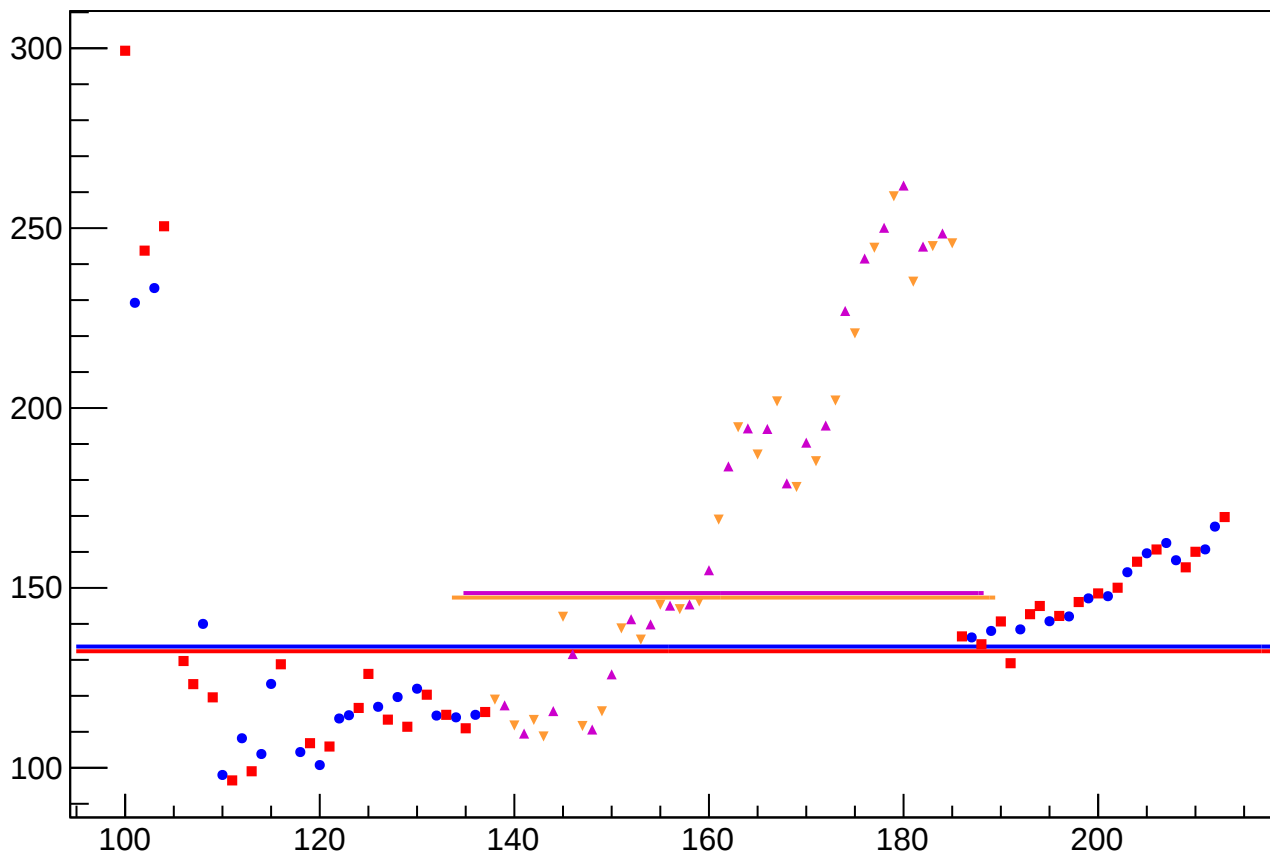
Left In: -6718.475 $\pm$ 37.276

χ^2/NDF : 20934.3/22

All: -254.762 $\pm$ 17.513

χ^2/NDF : 375927.0/11

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 133.702 $\pm$ 0.024 χ^2 /NDF: 1135040.7/29

Left Out: 147.317 $\pm$ 0.025 χ^2 /NDF: 2511679.9/24

Right Out: 132.398 $\pm$ 0.023 χ^2 /NDF: 1229295.8/33

Left In: 148.569 $\pm$ 0.026 χ^2 /NDF: 2393185.0/22

Left: 147.919 $\pm$ 0.018 χ^2 /NDF: 4906034.9/47

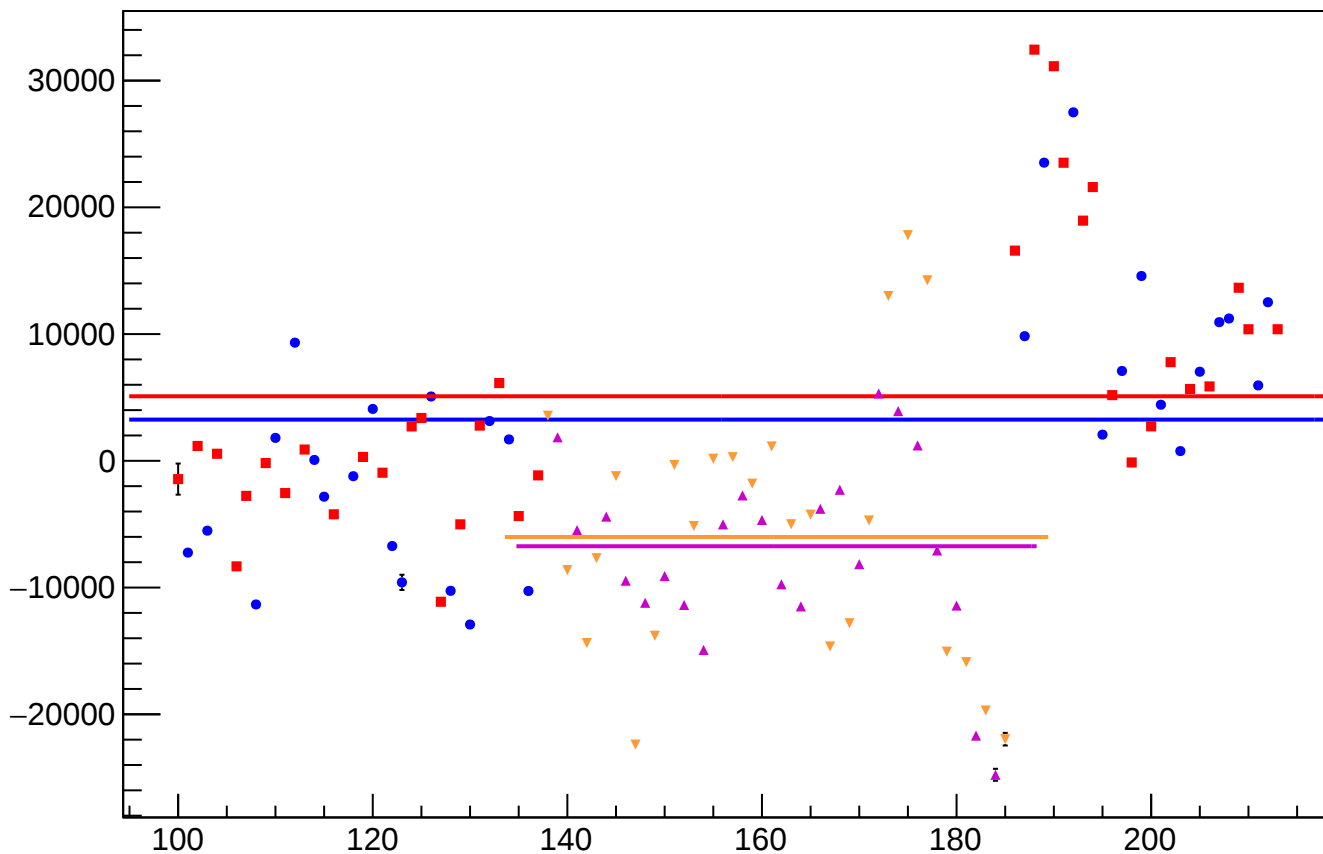
Right: 133.016 $\pm$ 0.017 χ^2 /NDF: 2365832.0/63

In: 140.579 $\pm$ 0.018 χ^2 /NDF: 3699194.9/52

Out: 139.197 $\pm$ 0.017 χ^2 /NDF: 3929191.6/58

All: 139.856 $\pm$ 0.012 χ^2 /NDF: 7631494.6/111

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 3252.100+/-34.500

χ^2/NDF : 84239.6/29

Left Out: -6009.913+/-35.082

χ^2/NDF : 67852.2/24

Right Out: 5092.440+/-32.820

χ^2/NDF : 99776.9/33

Left In: -6740.666+/-36.379

χ^2/NDF : 22071.8/22

Left: -6362.031+/-25.253

χ^2/NDF : 90133.1/47

Right: 4218.186+/-23.779

χ^2/NDF : 185510.3/63

In: -1479.534+/-25.033

χ^2/NDF : 146035.6/52

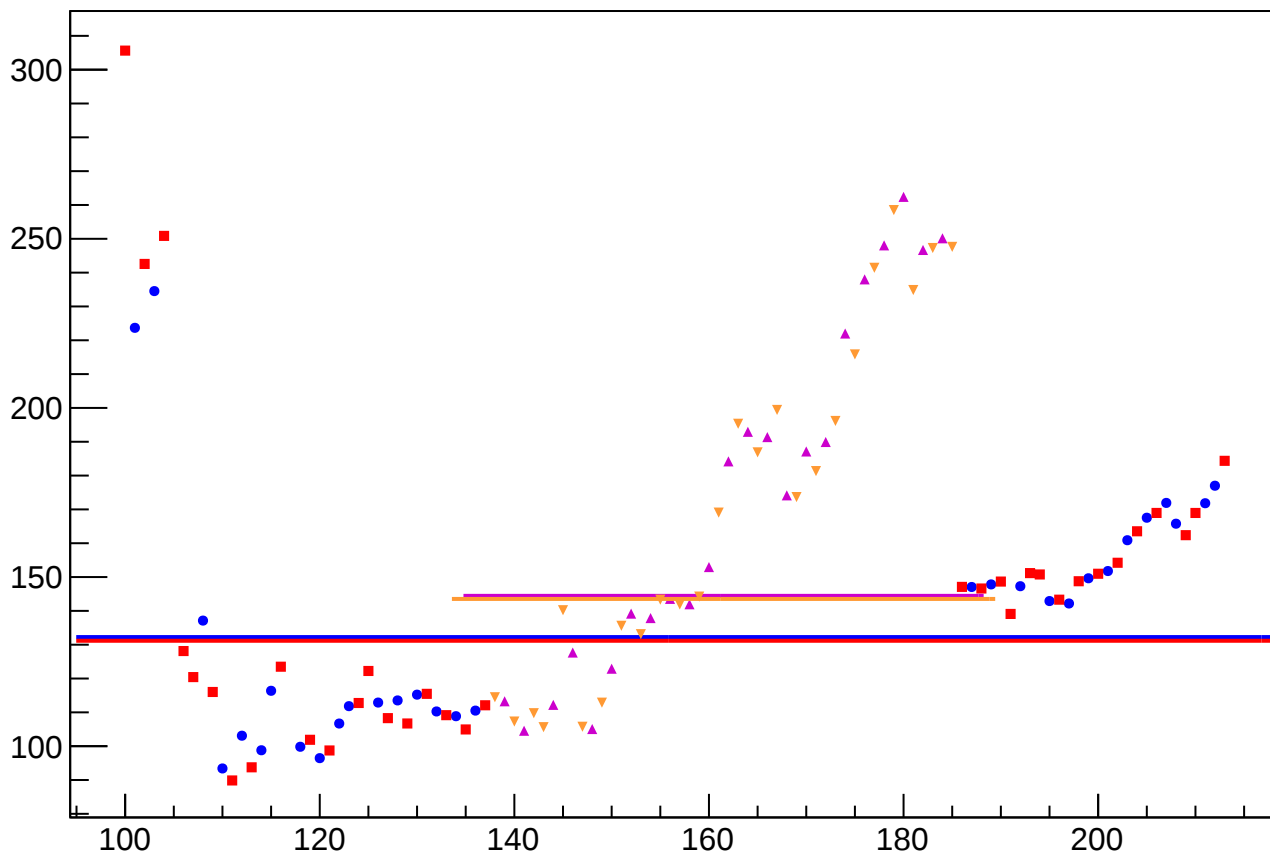
Out: -89.163+/-23.967

χ^2/NDF : 221038.1/58

All: -754.106+/-17.312

χ^2/NDF : 368683.2/111

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 132.256+/-0.024 χ^2/NDF : 1557010.7/29

Left Out: 143.531+/-0.025 χ^2/NDF : 2704790.3/24

Right Out: 131.166+/-0.023 χ^2/NDF : 1731252.3/33

Left In: 144.440+/-0.026 χ^2/NDF : 2586926.1/22

Left: 143.969+/-0.018 χ^2/NDF : 5292363.3/47

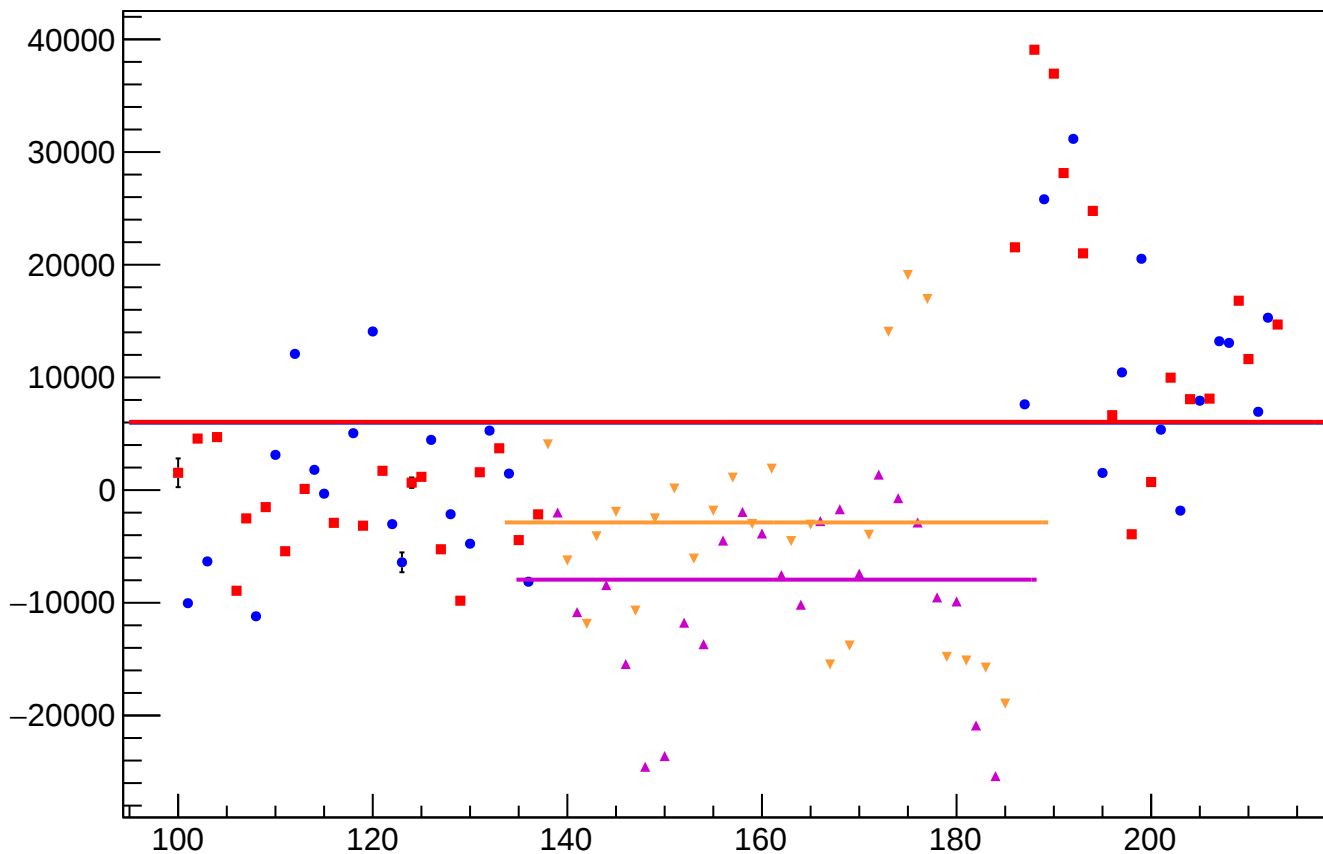
Right: 131.683+/-0.017 χ^2/NDF : 3289311.4/63

In: 138.025+/-0.018 χ^2/NDF : 4262047.5/52

Out: 136.936+/-0.017 χ^2/NDF : 4568541.7/58

All: 137.457+/-0.012 χ^2/NDF : 8832561.7/111

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 5987.448+/-41.662 χ^2/NDF : 63478.4/29

Left Out: -2870.473+/-39.482 χ^2/NDF : 46420.3/24

Right Out: 6056.897+/-39.629 χ^2/NDF : 99863.5/33

Left In: -7947.160+/-41.726 χ^2/NDF : 23874.5/22

Left: -5268.670+/-28.678 χ^2/NDF : 78105.0/47

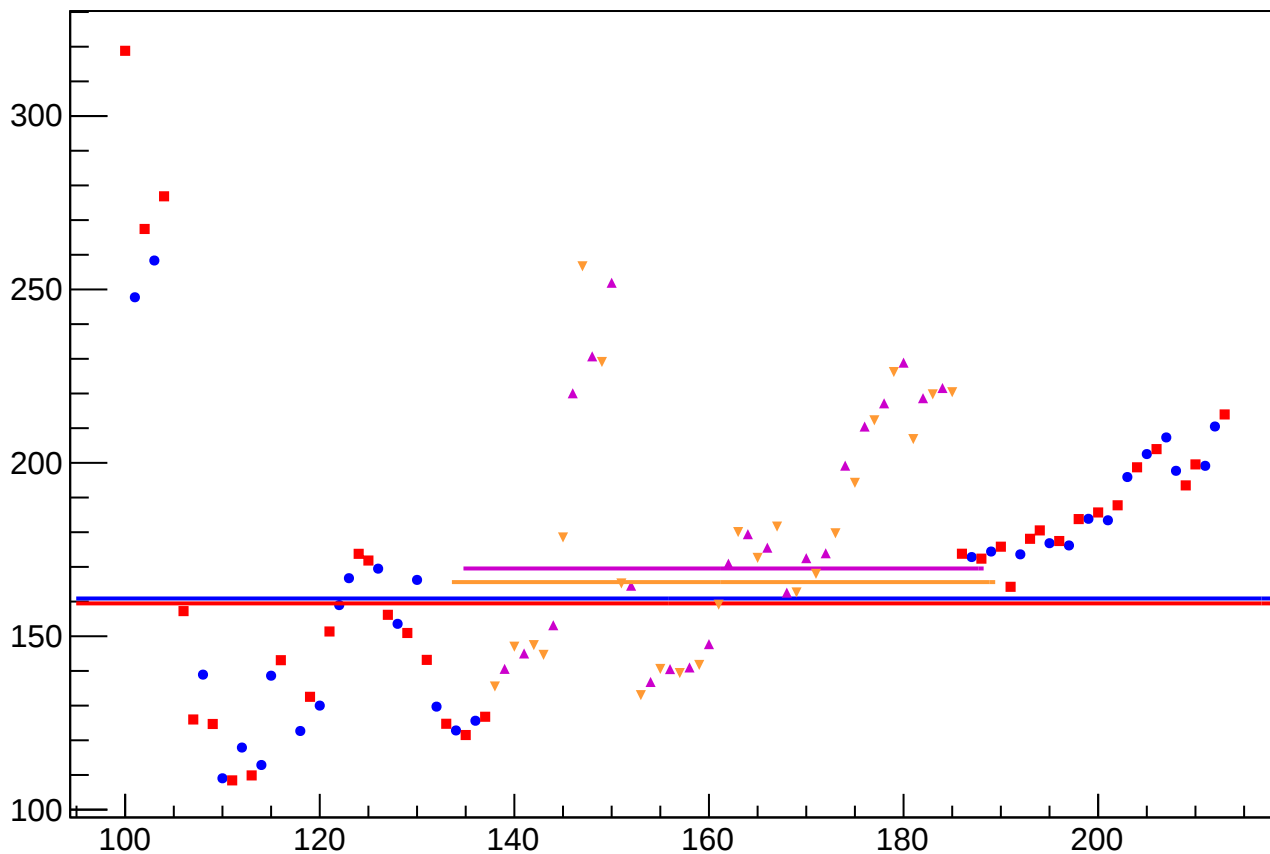
Right: 6023.908+/-28.714 χ^2/NDF : 163343.4/63

In: -969.166+/-29.482 χ^2/NDF : 143202.3/52

Out: 1576.606+/-27.970 χ^2/NDF : 171751.9/58

All: 370.668+/-20.291 χ^2/NDF : 318878.4/111

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 160.891 $\pm$ 0.029 χ^2 /NDF: 1457196.4/29

Left Out: 165.616 $\pm$ 0.028 χ^2 /NDF:1144779.3/24

Right Out: 159.475 $\pm$ 0.028 χ^2 /NDF: 1603636.1/33

Left In: 169.542 $\pm$ 0.030 χ^2 /NDF:1159241.9/22

Left: 167.471 $\pm$ 0.020 χ^2 /NDF: 2313359.6/47

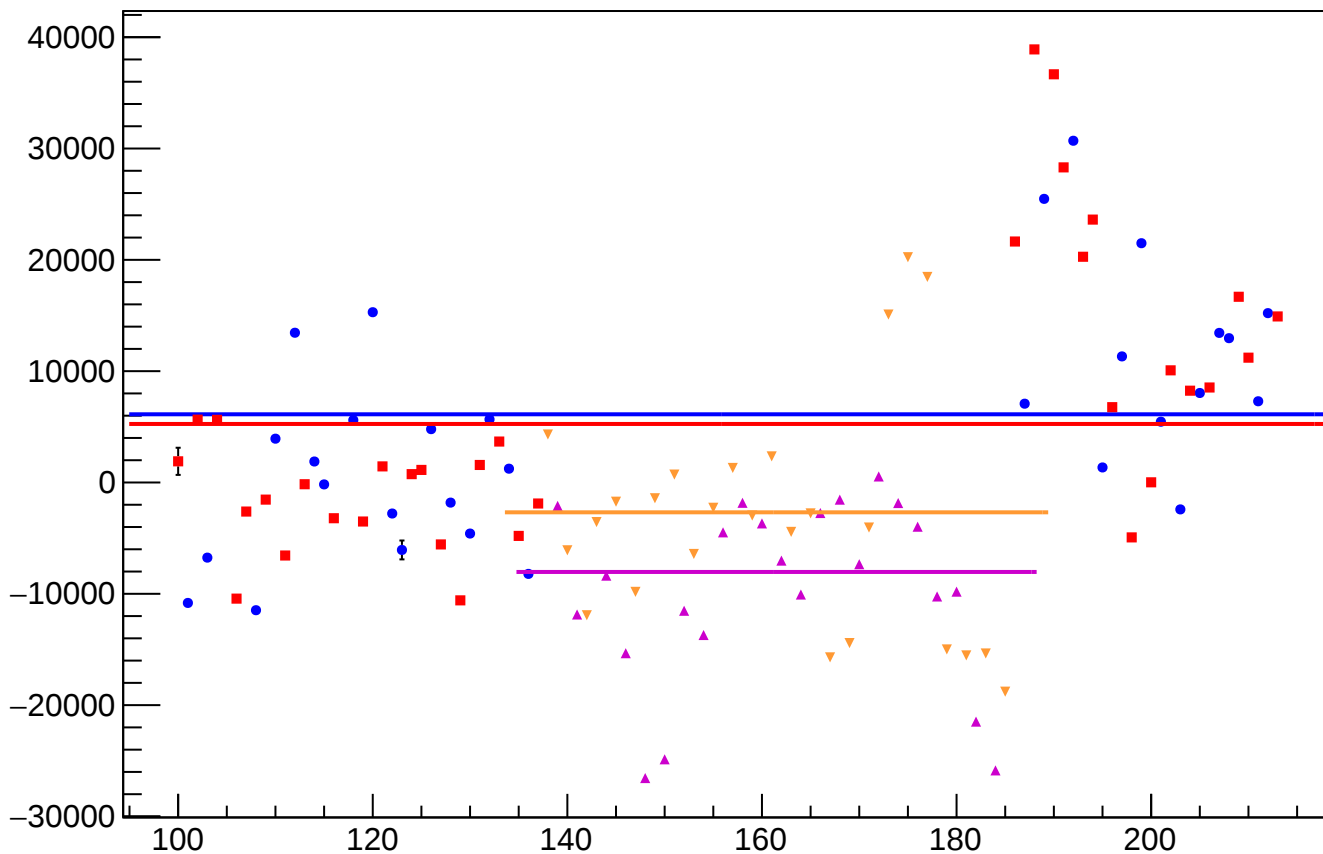
Right: 160.147 $\pm$ 0.020 χ^2 /NDF: 3062045.7/63

In: 165.210 $\pm$ 0.021 χ^2 /NDF:2659487.0/52

Out: 162.557 $\pm$ 0.020 χ^2 /NDF:2772522.0/58

All: 163.814 $\pm$ 0.014 χ^2 /NDF: 5440530.3/111

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 6126.087+/-35.250

χ^2/NDF : 88921.2/29

Left Out: -2680.012+/-35.764

χ^2/NDF : 56820.4/24

Right Out: 5257.217+/-33.338

χ^2/NDF : 139706.5/33

Left In: -8036.826+/-37.924

χ^2/NDF : 29261.6/22

Left: -5201.473+/-26.019

χ^2/NDF : 96642.3/47

Right: 5667.456+/-24.221

χ^2/NDF : 228948.5/63

In: -438.339+/-25.819

χ^2/NDF : 193007.1/52

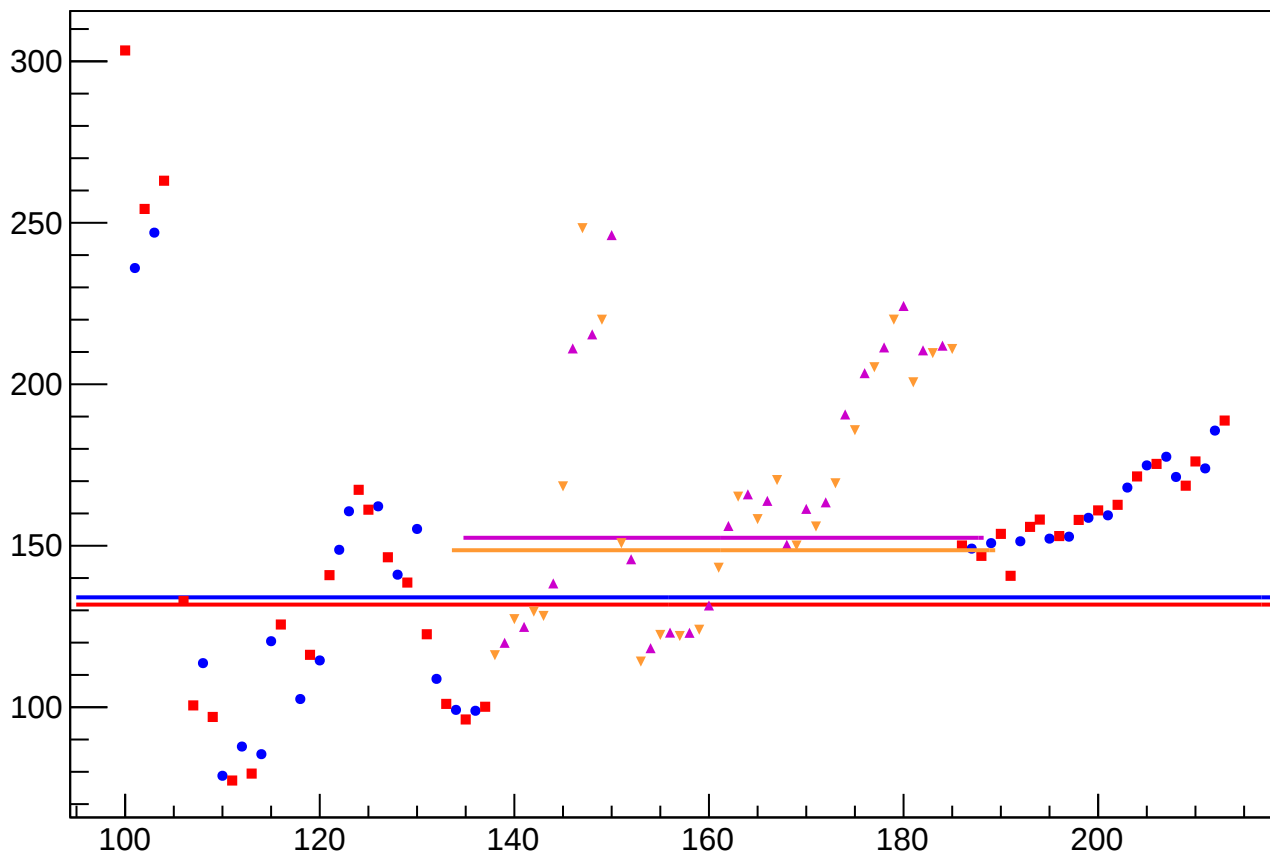
Out: 1566.862+/-24.386

χ^2/NDF : 222881.5/58

All: 621.452+/-17.728

χ^2/NDF : 419076.4/111

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 134.027 $\pm$ 0.025 χ^2 /NDF: 2227287.5/29

Left Out: 148.611 $\pm$ 0.025 χ^2 /NDF:1685424.1/24

Right Out: 131.780 $\pm$ 0.024 χ^2 /NDF: 2552244.7/33

Left In: 152.463 $\pm$ 0.027 χ^2 /NDF:1691517.7/22

Left: 150.424 $\pm$ 0.018 χ^2 /NDF: 3387867.0/47

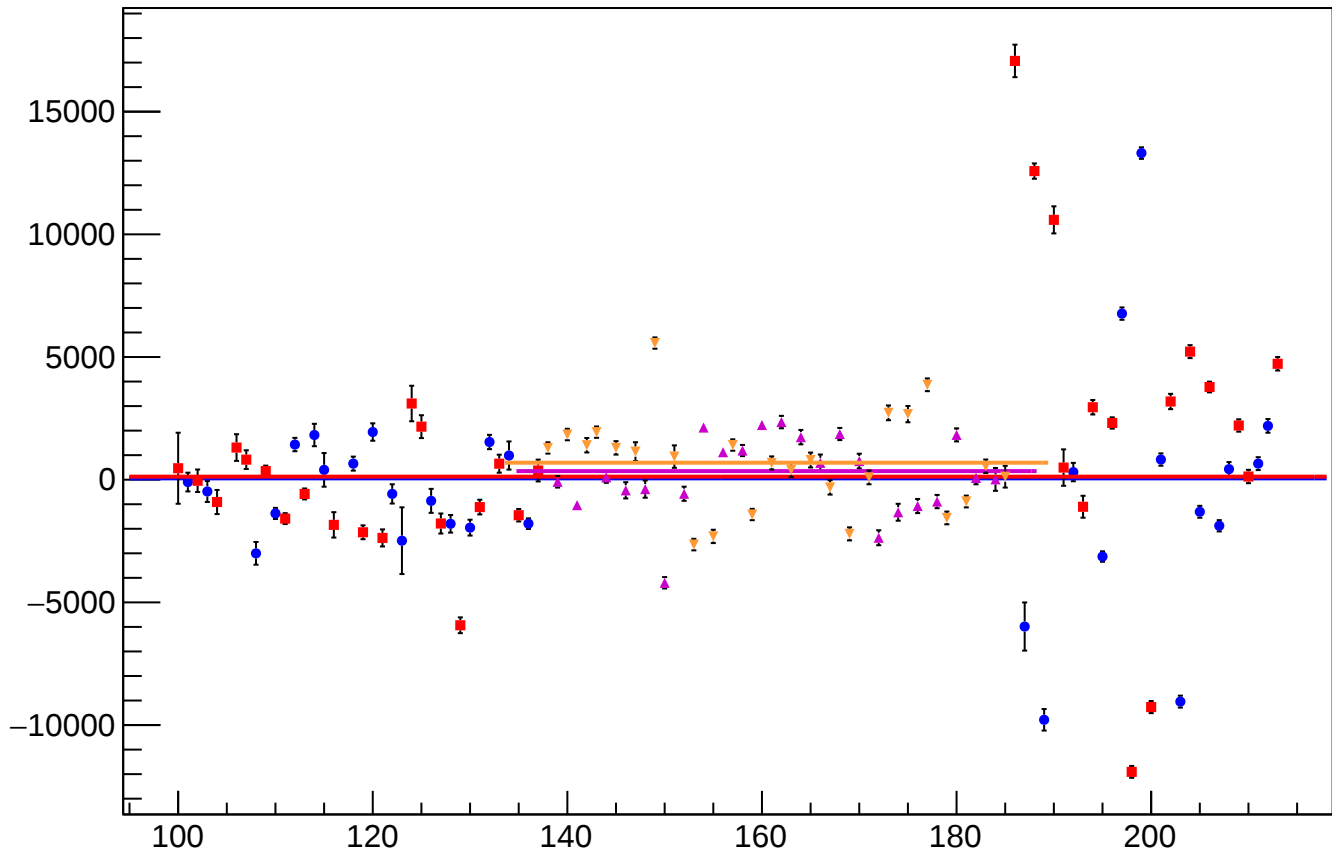
Right: 132.841 $\pm$ 0.017 χ^2 /NDF: 4783821.0/63

In: 142.572 $\pm$ 0.018 χ^2 /NDF:4172399.6/52

Out: 139.605 $\pm$ 0.017 χ^2 /NDF:4474674.7/58

All: 141.004 $\pm$ 0.013 χ^2 /NDF: 8661030.4/111

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 54.327+/-56.008 χ^2/NDF : 6556.6/29

Left Out: 692.998+/-54.303 χ^2/NDF :1422.0/24

Right Out: 123.535+/-54.199 χ^2/NDF : 8508.3/33

Left In: 349.623+/-53.094 χ^2/NDF :981.0/22

Left: 517.444+/-37.963 χ^2/NDF : 2423.4/47

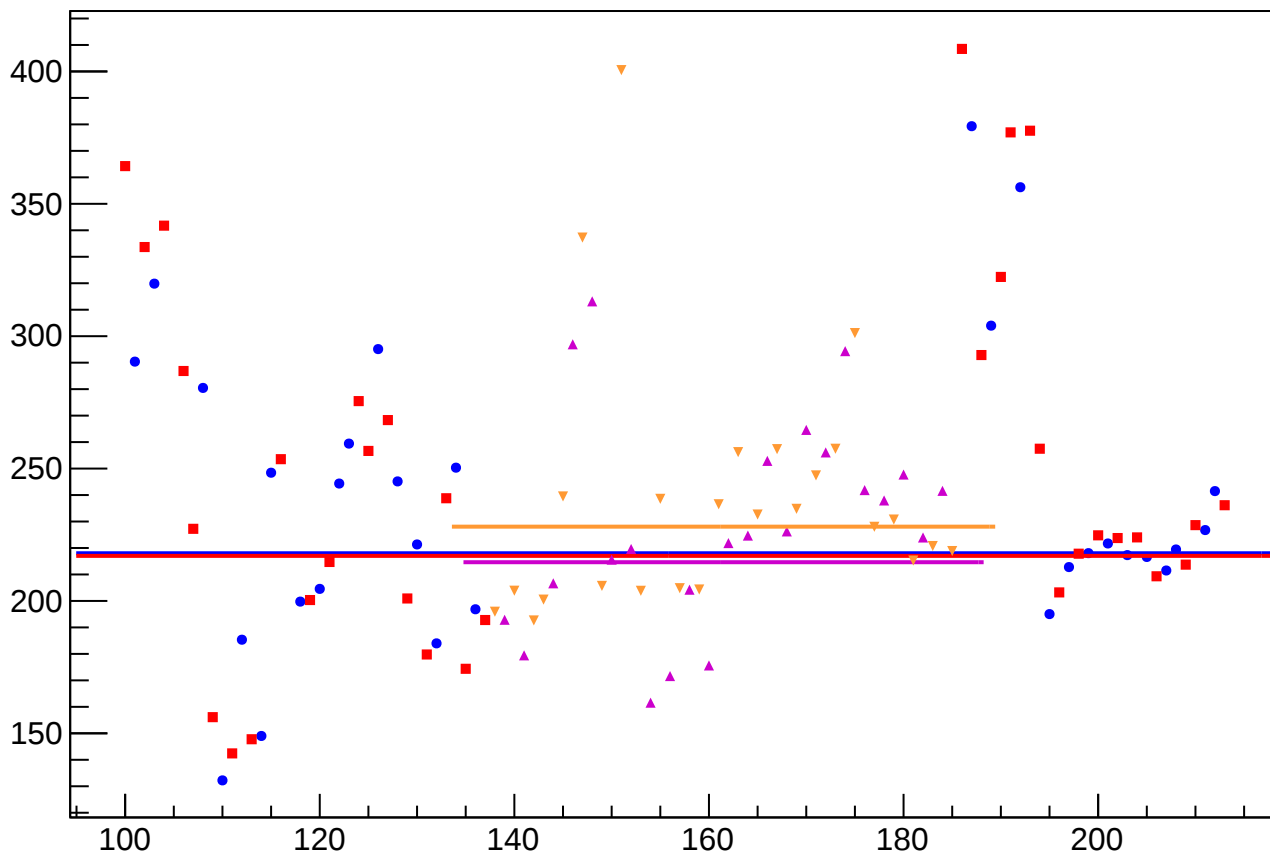
Right: 90.067+/-38.948 χ^2/NDF : 15065.6/63

In: 209.857+/-38.532 χ^2/NDF :7552.2/52

Out: 407.717+/-38.361 χ^2/NDF :9985.4/58

All: 309.227+/-27.186 χ^2/NDF : 17550.8/111

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 218.008 $\pm$ 0.040 χ^2 /NDF: 1168608.3/29

Left Out: 228.061 $\pm$ 0.038 χ^2 /NDF: 826343.8/24

Right Out: 217.026 $\pm$ 0.038 χ^2 /NDF: 1837116.6/33

Left In: 214.627 $\pm$ 0.038 χ^2 /NDF: 1025683.3/22

Left: 221.193 $\pm$ 0.027 χ^2 /NDF: 1914604.4/47

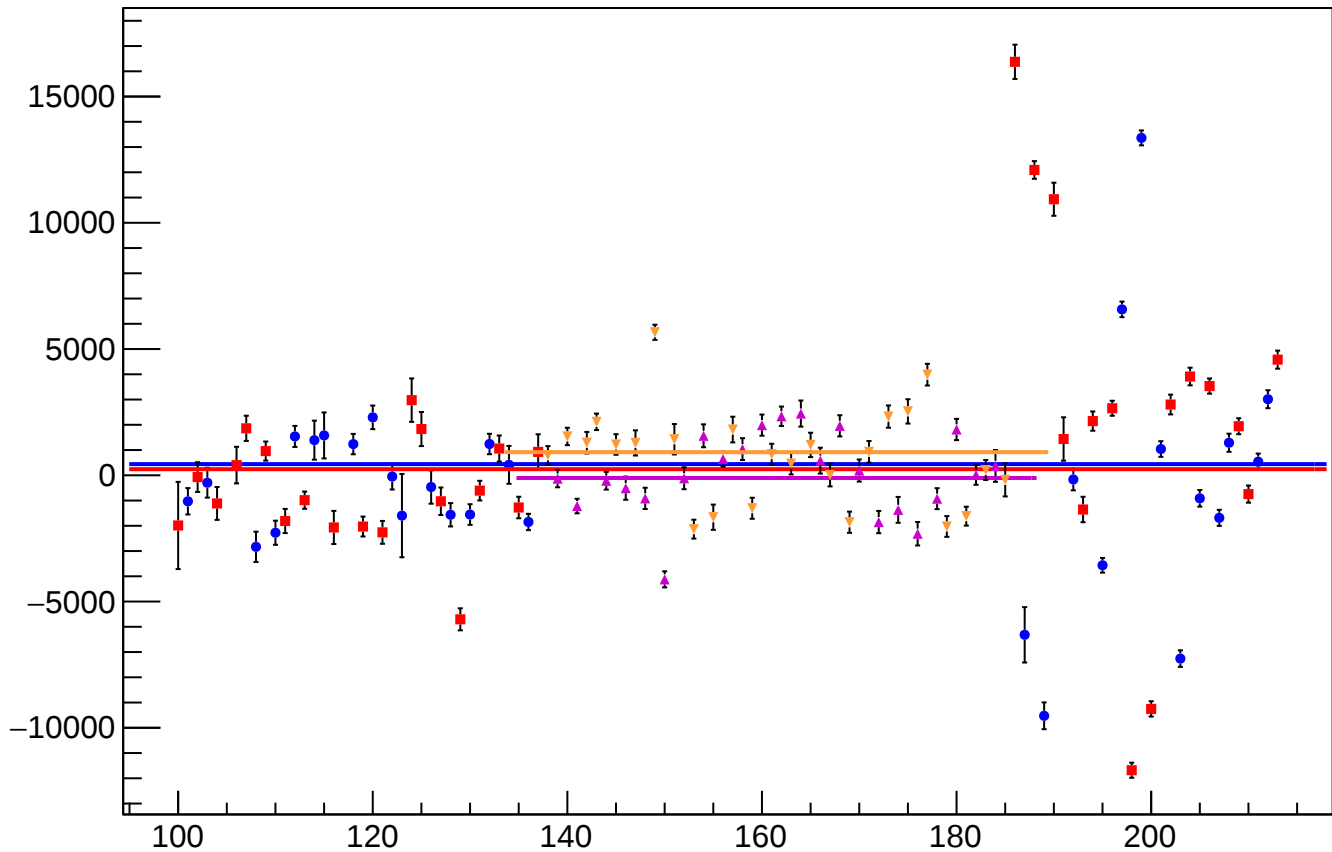
Right: 217.501 $\pm$ 0.028 χ^2 /NDF: 3006042.5/63

In: 216.227 $\pm$ 0.027 χ^2 /NDF: 2198130.8/52

Out: 222.533 $\pm$ 0.027 χ^2 /NDF: 2704832.0/58

All: 219.394 $\pm$ 0.019 χ^2 /NDF: 4929860.4/111

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 442.687+/-75.549 χ^2/NDF : 3760.4/29

Left Out: 915.968+/-83.398 χ^2/NDF : 618.3/24

Right Out: 241.641+/-73.442 χ^2/NDF : 5444.1/33

Left In: -106.116+/-84.393 χ^2/NDF : 390.3/22

Left: 410.985+/-59.320 χ^2/NDF : 1082.8/47

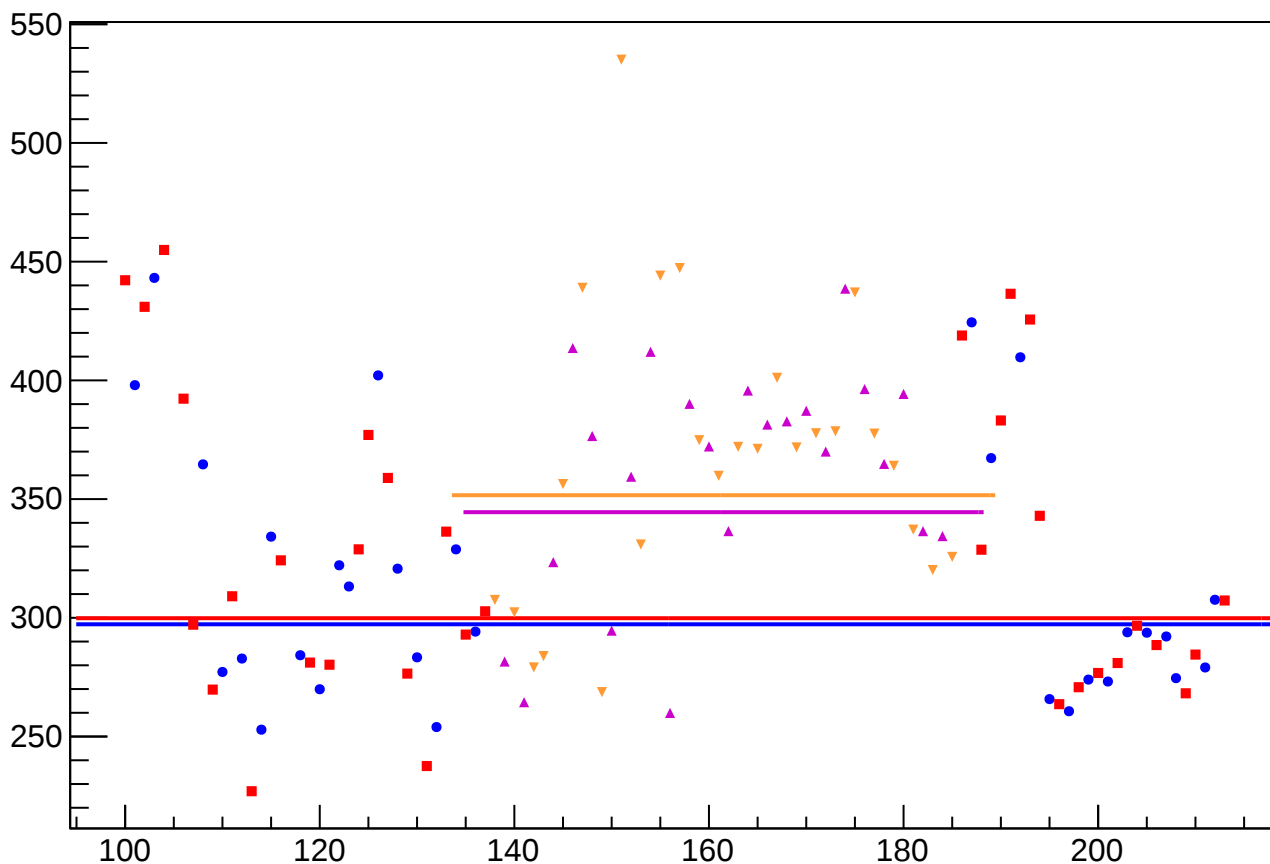
Right: 339.321+/-52.661 χ^2/NDF : 9208.2/63

In: 198.538+/-56.289 χ^2/NDF : 4174.2/52

Out: 536.171+/-55.117 χ^2/NDF : 6099.2/58

All: 370.906+/-39.382 χ^2/NDF : 10291.8/111

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 297.274 ± 0.053 χ^2/NDF : 626839.3/29

Left Out: 351.633 ± 0.059 χ^2/NDF : 907849.3/24

Right Out: 299.829 ± 0.052 χ^2/NDF : 894271.9/33

Left In: 344.491 ± 0.060 χ^2/NDF : 768885.4/22

Left: 348.104 ± 0.042 χ^2/NDF : 1683981.7/47

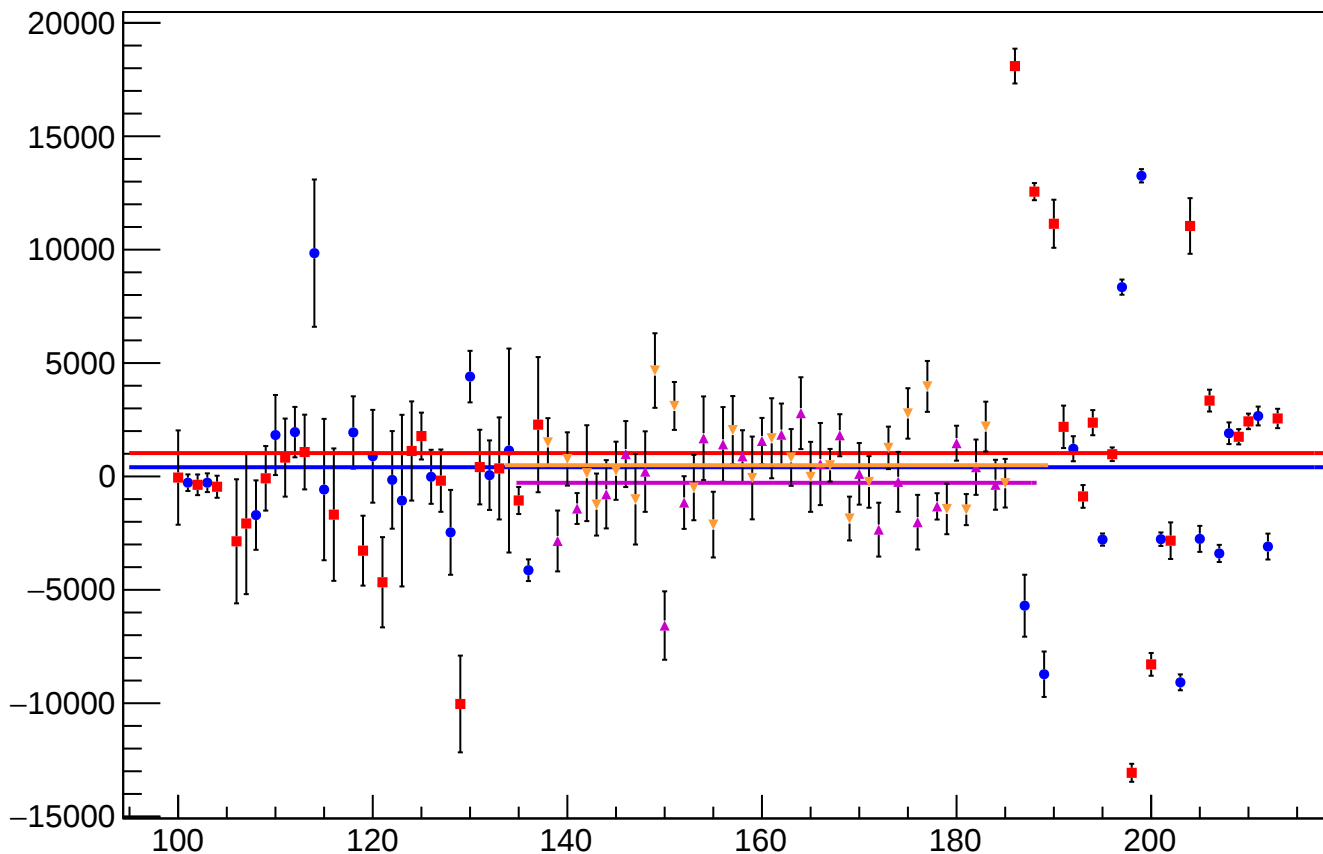
Right: 298.588 ± 0.037 χ^2/NDF : 1522287.9/63

In: 318.280 ± 0.040 χ^2/NDF : 1743263.8/52

Out: 322.456 ± 0.039 χ^2/NDF : 2236745.9/58

All: 320.412 ± 0.028 χ^2/NDF : 3985630.6/111

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 406.416 $\pm$ 97.814 χ^2 /NDF: 3900.8/29

Left Out: 495.014 $\pm$ 231.058 χ^2 /NDF:56.2/24

Right Out: 1029.800 $\pm$ 108.141 χ^2 /NDF: 3373.8/33

Left In: -280.692 $\pm$ 232.048 χ^2 /NDF:57.2/22

Left: 108.818 $\pm$ 163.732 χ^2 /NDF: 119.1/47

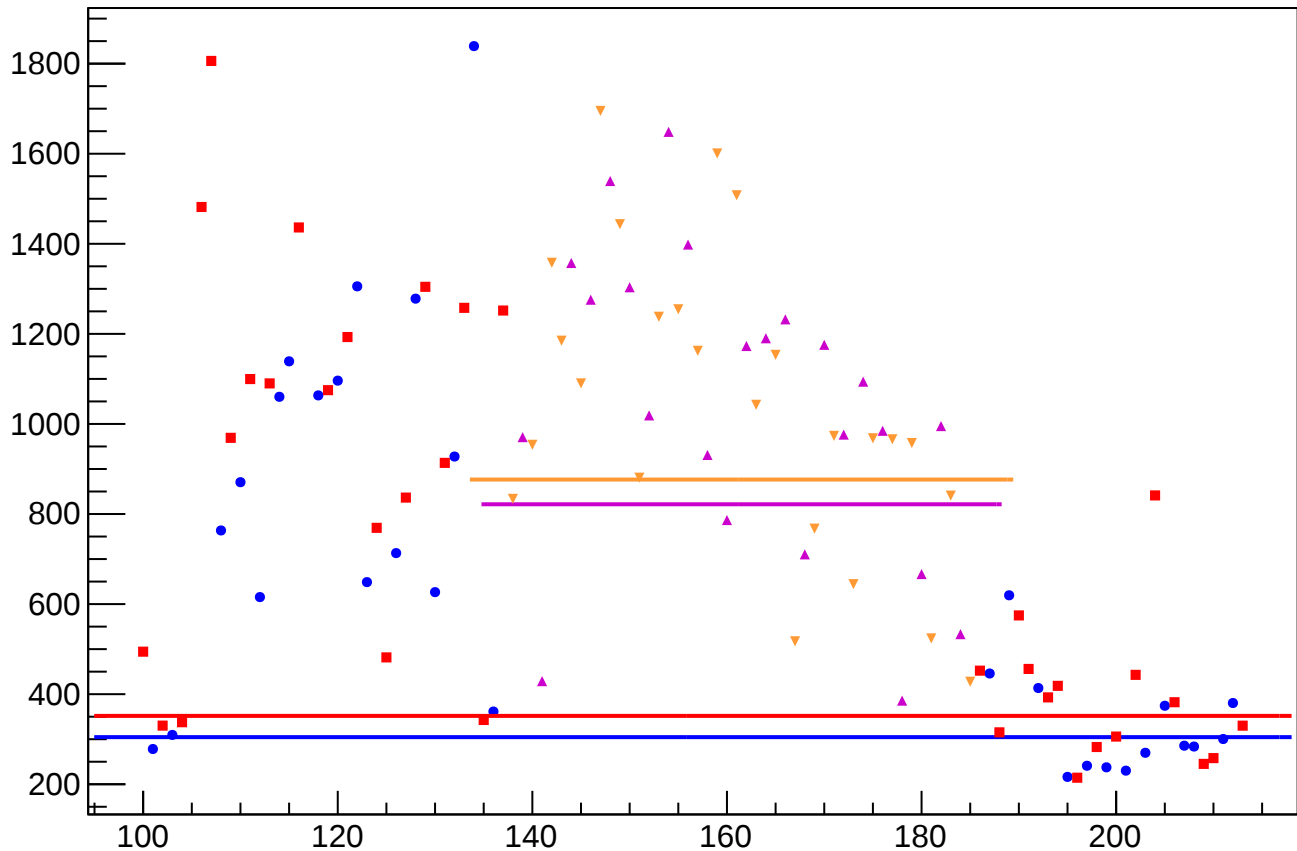
Right: 686.929 $\pm$ 72.542 χ^2 /NDF: 7292.9/63

In: 302.749 $\pm$ 90.133 χ^2 /NDF:3965.4/52

Out: 933.707 $\pm$ 97.944 χ^2 /NDF:3434.5/58

All: 592.069 $\pm$ 66.324 χ^2 /NDF: 7422.4/111

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 304.608 $\pm$ 0.069 χ^2/NDF : 4442477.4/29

Left Out: 876.560 $\pm$ 0.163 χ^2/NDF :3434698.7/24

Right Out: 351.784 $\pm$ 0.076 χ^2/NDF : 5922820.5/33

Left In: 821.657 $\pm$ 0.164 χ^2/NDF :4443094.2/22

Left: 849.226 $\pm$ 0.116 χ^2/NDF : 7934012.4/47

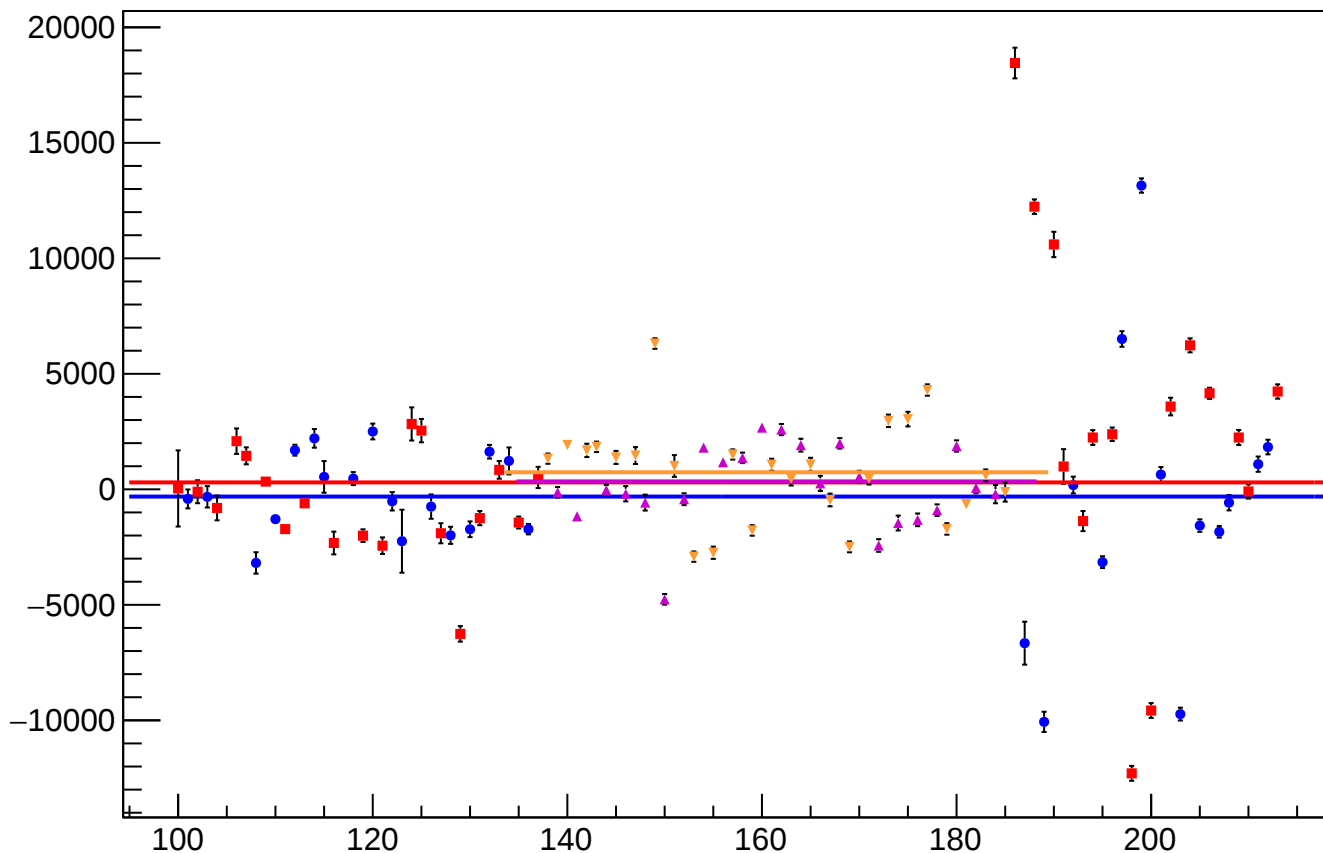
Right: 325.836 $\pm$ 0.051 χ^2/NDF : 10574642.0/63

In: 382.618 $\pm$ 0.064 χ^2/NDF :17317201.4/52

Out: 446.079 $\pm$ 0.069 χ^2/NDF :17820361.1/58

All: 411.717 $\pm$ 0.047 χ^2/NDF : 35592184.9/13

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -313.158 ± 60.307 $\chi^2/\text{NDF}: 4613.5/29$

Left Out: 738.847 ± 51.649 $\chi^2/\text{NDF}: 1935.2/24$

Right Out: 299.949 ± 57.189 $\chi^2/\text{NDF}: 6832.6/33$

Left In: 342.465 ± 50.044 $\chi^2/\text{NDF}: 1254.9/22$

Left: 534.403 ± 35.941 $\chi^2/\text{NDF}: 3220.5/47$

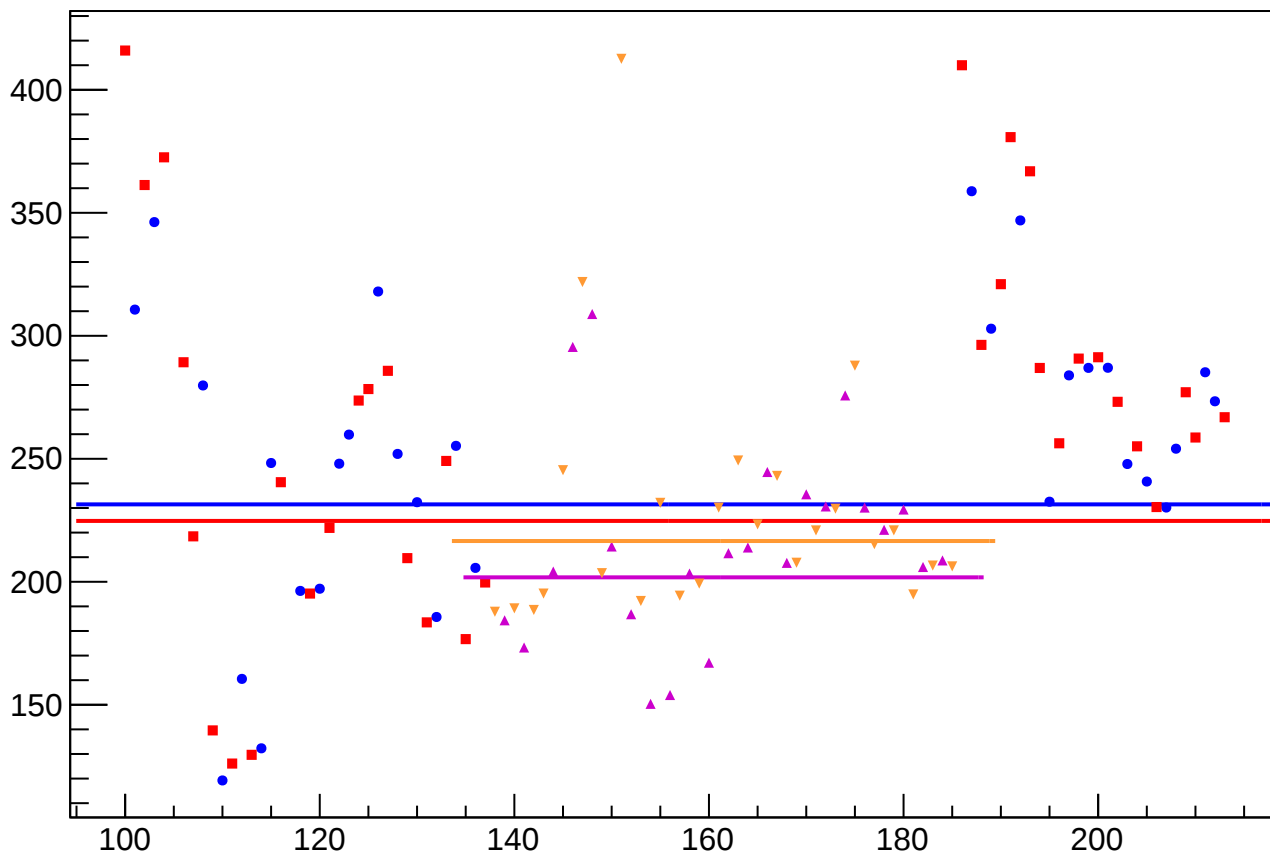
Right: 9.652 ± 41.497 $\chi^2/\text{NDF}: 11500.5/63$

In: 75.102 ± 38.511 $\chi^2/\text{NDF}: 5938.4/52$

Out: 541.681 ± 38.331 $\chi^2/\text{NDF}: 8800.2/58$

All: 309.489 ± 27.168 $\chi^2/\text{NDF}: 14812.4/111$

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 231.472 ± 0.043 χ^2/NDF : 1881848.6/29

Left Out: 216.574 ± 0.037 χ^2/NDF : 886214.1/24

Right Out: 224.744 ± 0.040 χ^2/NDF : 2959645.6/33

Left In: 201.805 ± 0.035 χ^2/NDF : 1087243.4/22

Left: 208.957 ± 0.025 χ^2/NDF : 2057801.5/47

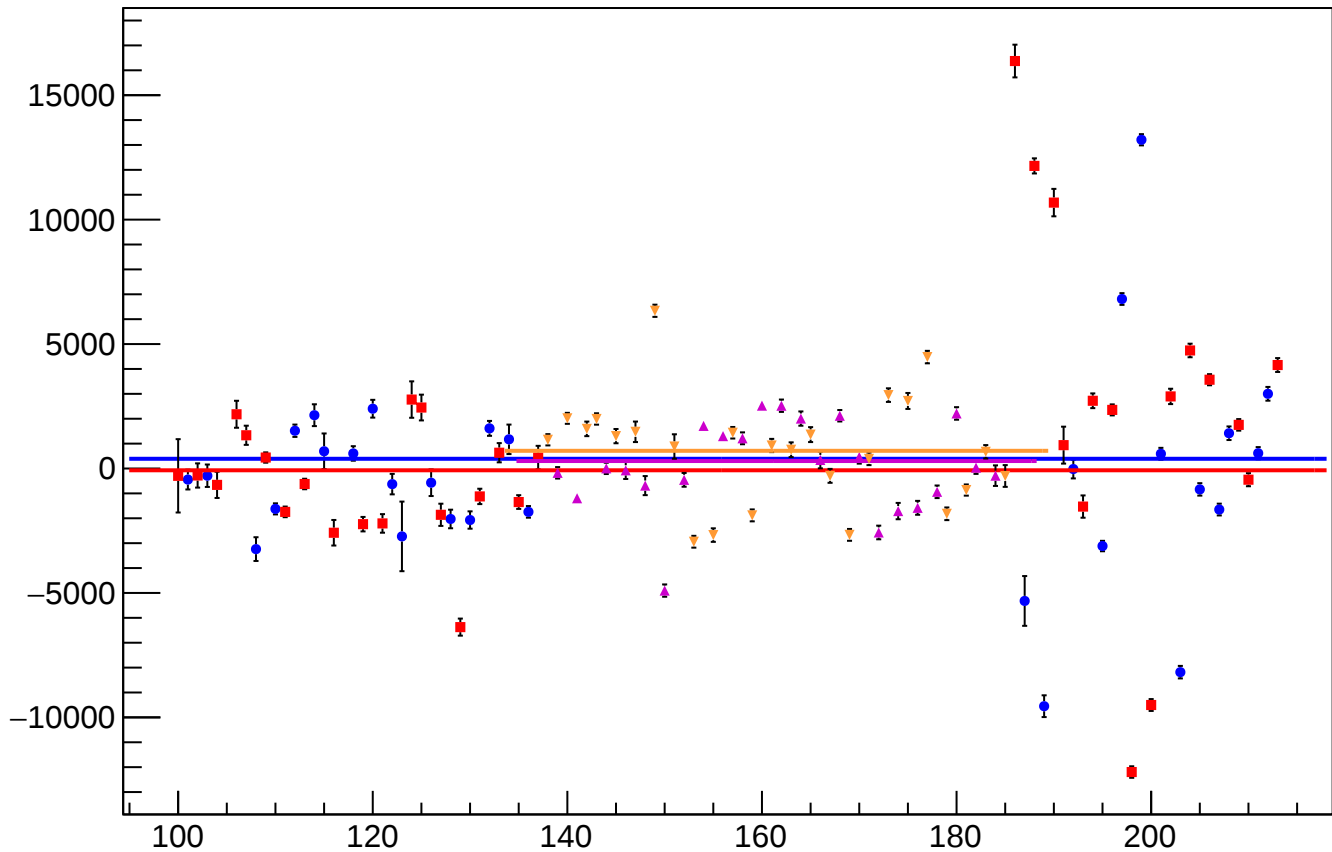
Right: 227.930 ± 0.029 χ^2/NDF : 4854598.8/63

In: 213.903 ± 0.027 χ^2/NDF : 3255710.4/52

Out: 220.244 ± 0.027 χ^2/NDF : 3868342.6/58

All: 217.089 ± 0.019 χ^2/NDF : 7151291.4/111

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 390.750+/-55.877 χ^2/NDF : 6583.6/29

Left Out: 711.174+/-53.245 χ^2/NDF : 1835.3/24

Right Out: -71.631+/-53.929 χ^2/NDF : 8769.0/33

Left In: 300.516+/-51.984 χ^2/NDF : 1208.6/22

Left: 500.925+/-37.196 χ^2/NDF : 3074.4/47

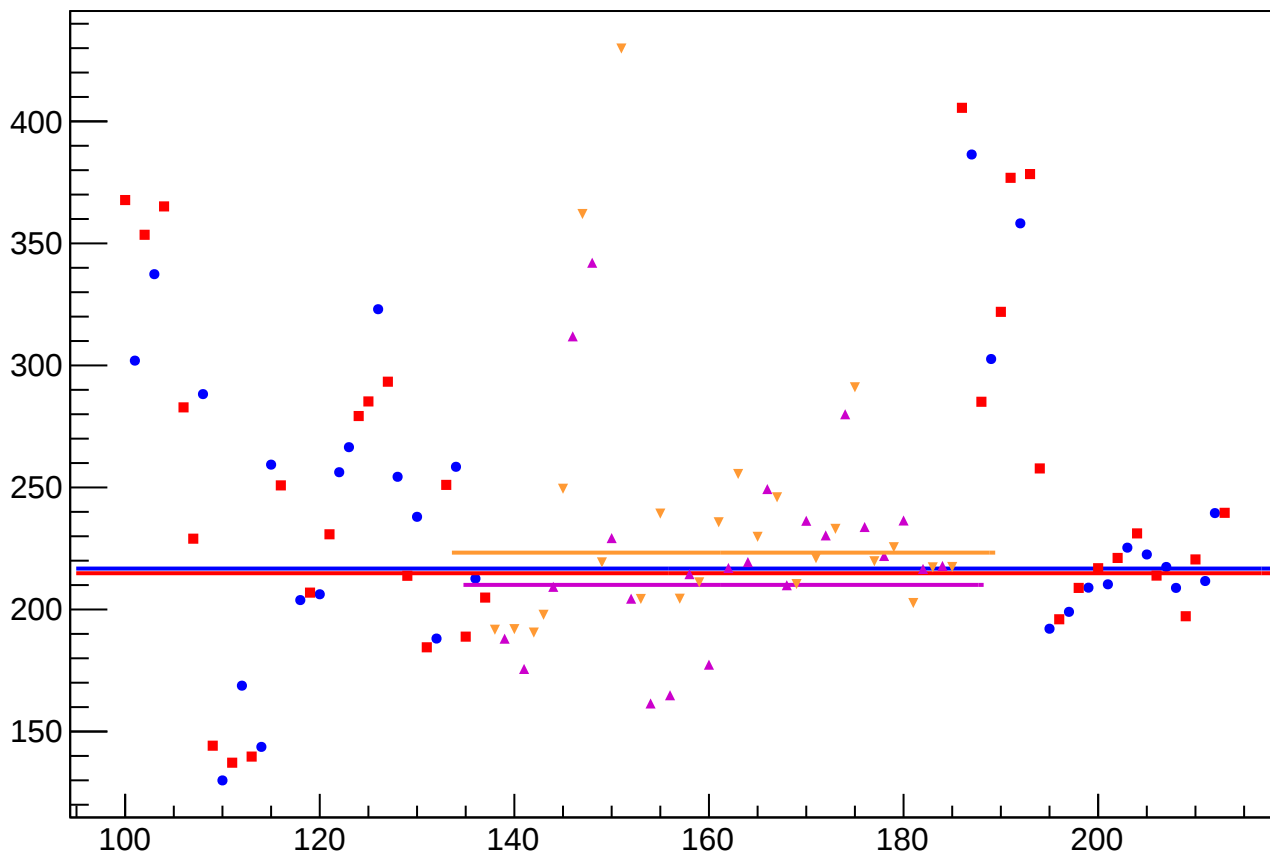
Right: 151.357+/-38.804 χ^2/NDF : 15388.0/63

In: 342.381+/-38.060 χ^2/NDF : 7793.6/52

Out: 324.765+/-37.889 χ^2/NDF : 10711.0/58

All: 333.533+/-26.852 χ^2/NDF : 18504.7/111

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 216.770 ± 0.040 $\chi^2/\text{NDF}: 1361574.4/29$

Left Out: 223.296 ± 0.038 $\chi^2/\text{NDF}: 922768.4/24$

Right Out: 214.858 ± 0.038 $\chi^2/\text{NDF}: 2121744.5/33$

Left In: 210.080 ± 0.037 $\chi^2/\text{NDF}: 1015274.5/22$

Left: 216.530 ± 0.026 $\chi^2/\text{NDF}: 2001132.1/47$

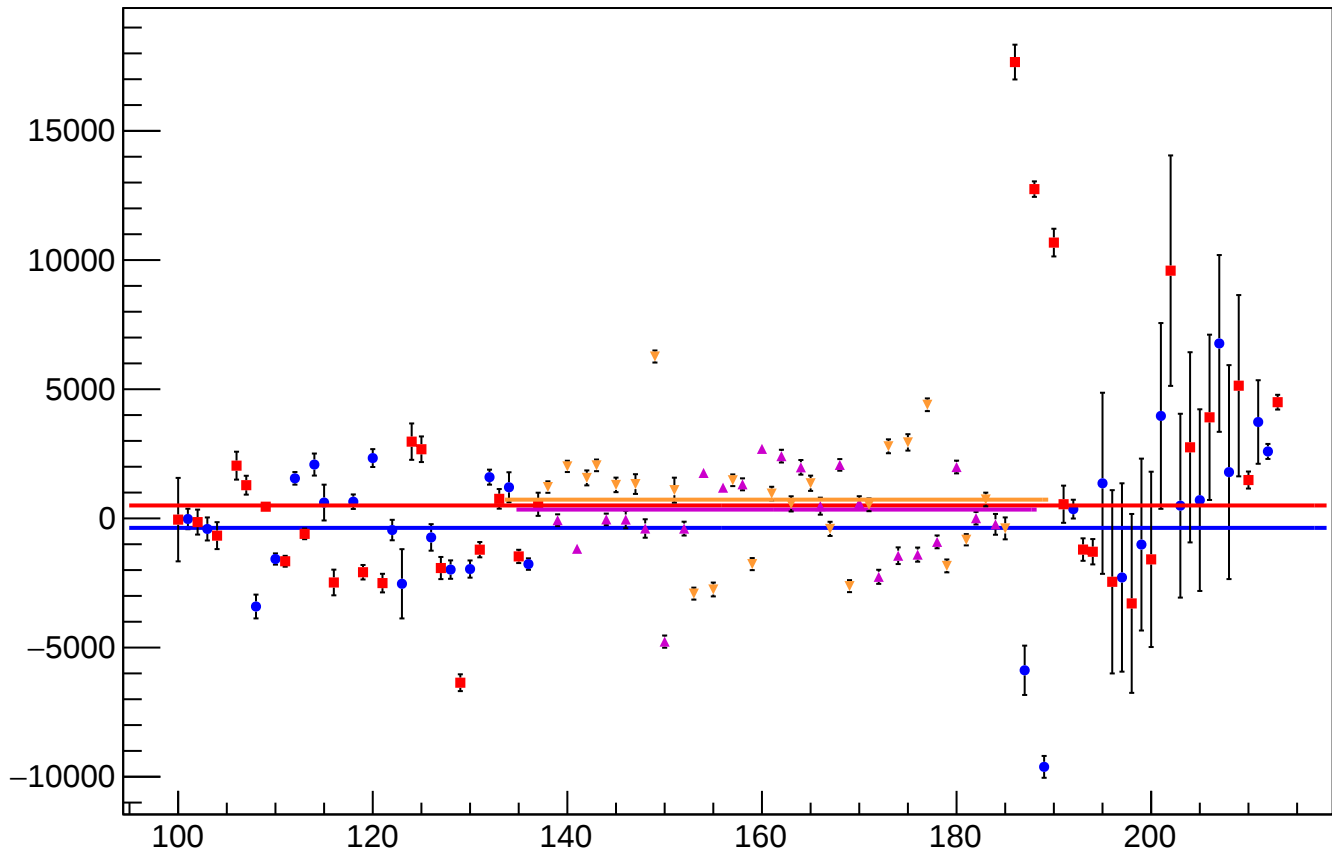
Right: 215.780 ± 0.027 $\chi^2/\text{NDF}: 3484531.8/63$

In: 213.184 ± 0.027 $\chi^2/\text{NDF}: 2392217.5/52$

Out: 219.131 ± 0.027 $\chi^2/\text{NDF}: 3069310.4/58$

All: 216.171 ± 0.019 $\chi^2/\text{NDF}: 5486053.0/111$

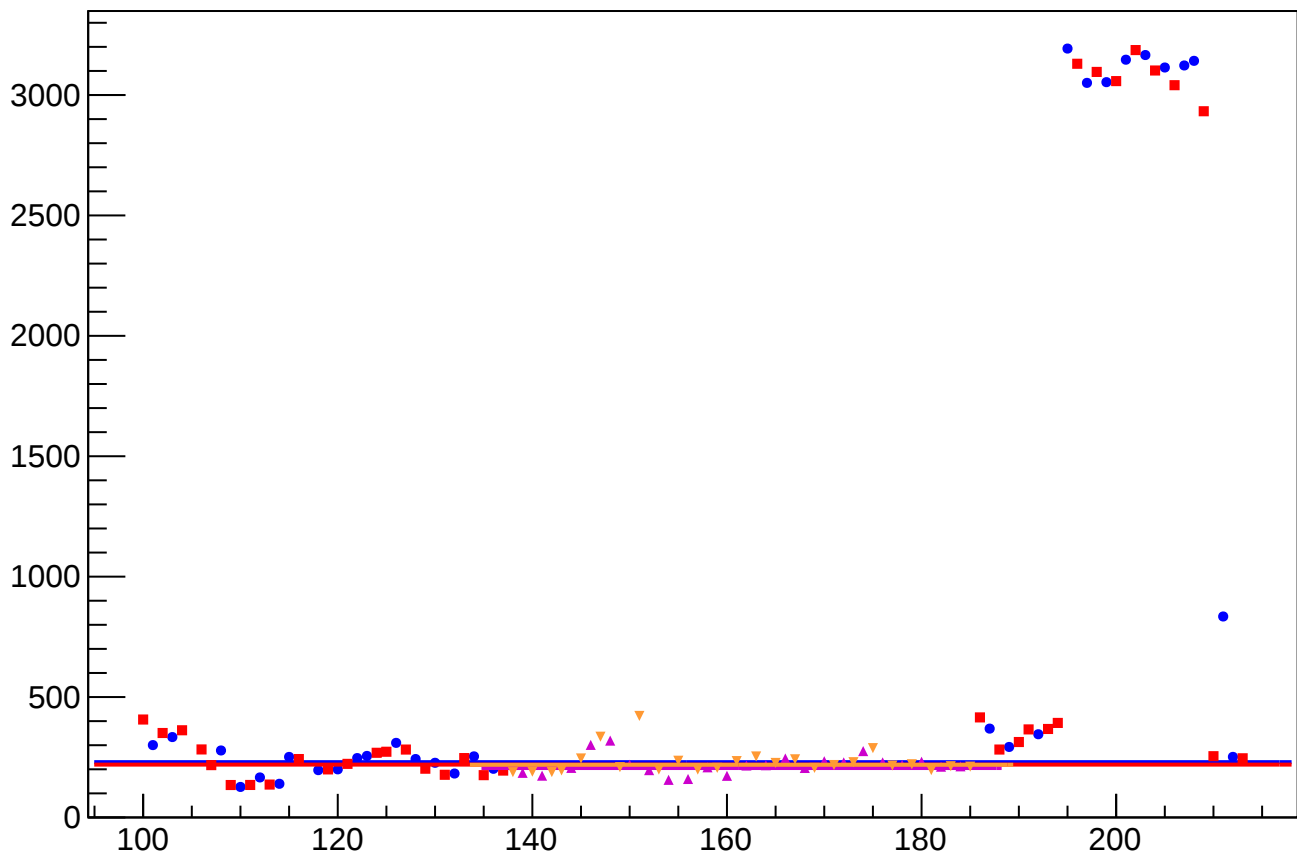
asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -366.827 ± 76.191 $\chi^2/\text{NDF}: 1017.2/29$
 Left Out: 725.866 ± 52.158 $\chi^2/\text{NDF}: 1912.7/24$
 Right Out: 500.897 ± 66.560 $\chi^2/\text{NDF}: 3862.5/33$
 Left In: 340.502 ± 50.802 $\chi^2/\text{NDF}: 1201.8/22$

Left: 528.110 ± 36.393 $\chi^2/\text{NDF}: 3142.6/47$
 Right: 125.312 ± 50.127 $\chi^2/\text{NDF}: 4953.3/63$
 In: 122.814 ± 42.268 $\chi^2/\text{NDF}: 2278.7/52$
 Out: 640.277 ± 41.055 $\chi^2/\text{NDF}: 5782.3/58$
 All: 389.079 ± 29.450 $\chi^2/\text{NDF}: 8138.2/111$

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 229.629+/-0.054 χ^2/NDF : 12147002.1/29

Left Out: 218.768+/-0.037 χ^2/NDF : 896914.5/24

Right Out: 219.455+/-0.047 χ^2/NDF : 11495508.0/33

Left In: 205.249+/-0.036 χ^2/NDF : 997168.8/22

Left: 211.831+/-0.026 χ^2/NDF : 1963037.5/47

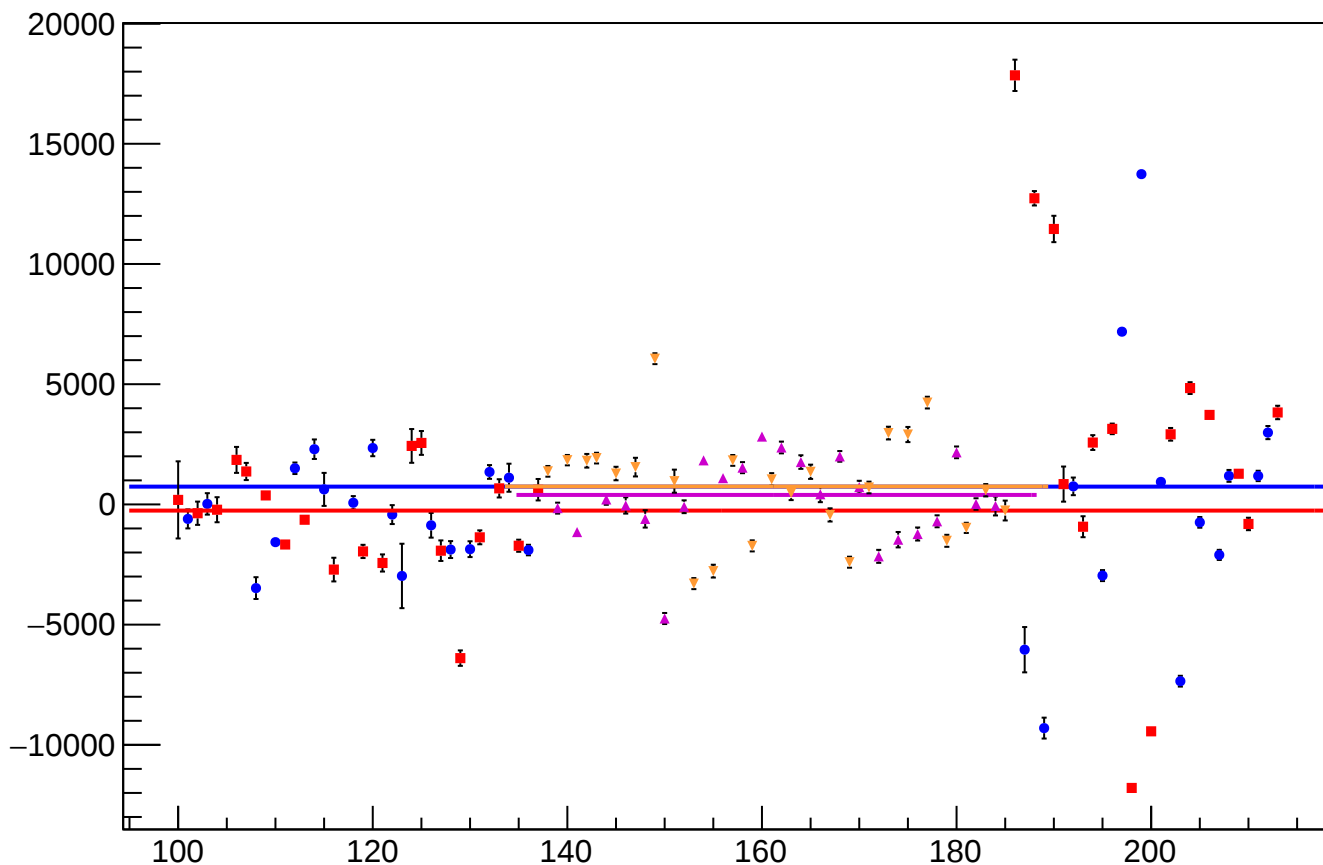
Right: 223.859+/-0.035 χ^2/NDF : 23662734.3/63

In: 212.752+/-0.030 χ^2/NDF : 13285923.7/52

Out: 219.030+/-0.029 χ^2/NDF : 12392554.4/58

All: 215.982+/-0.021 χ^2/NDF : 25701178.1/111

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 740.003+/-51.984 χ^2/NDF : 8529.2/29

Left Out: 746.405+/-51.592 χ^2/NDF :1942.1/24

Right Out: -256.584+/-50.480 χ^2/NDF : 10591.2/33

Left In: 394.379+/-50.311 χ^2/NDF :1236.4/22

Left: 565.969+/-36.020 χ^2/NDF : 3202.4/47

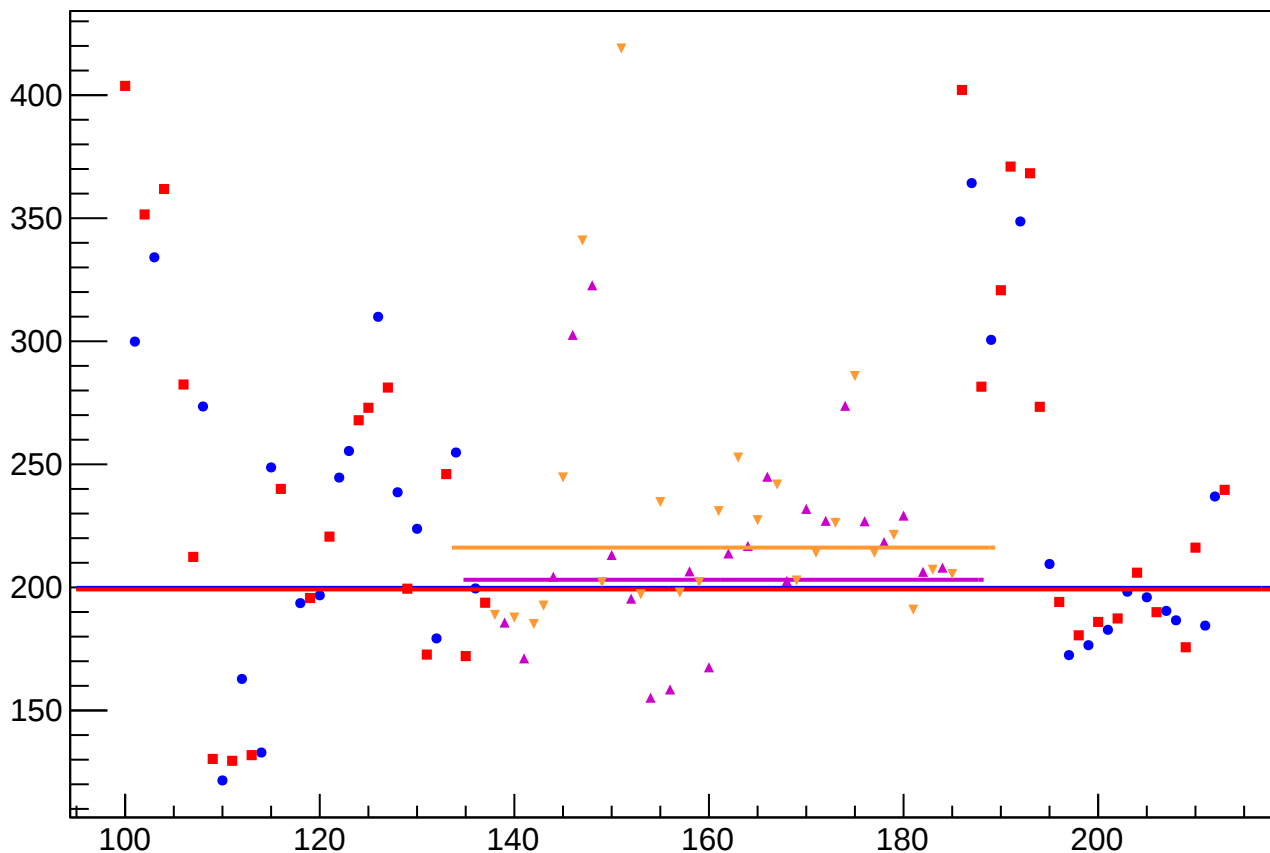
Right: 227.087+/-36.215 χ^2/NDF : 19309.6/63

In: 561.541+/-36.152 χ^2/NDF :9788.5/52

Out: 233.988+/-36.081 χ^2/NDF :12726.4/58

All: 397.444+/-25.538 χ^2/NDF : 22556.0/111

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 199.808 $\pm$ 0.037 χ^2 /NDF: 1576584.3/29

Left Out: 216.178 $\pm$ 0.036 χ^2 /NDF:946050.8/24

Right Out: 199.168 $\pm$ 0.036 χ^2 /NDF: 2517916.1/33

Left In: 203.101 $\pm$ 0.036 χ^2 /NDF:1038013.0/22

Left: 209.475 $\pm$ 0.025 χ^2 /NDF: 2049926.5/47

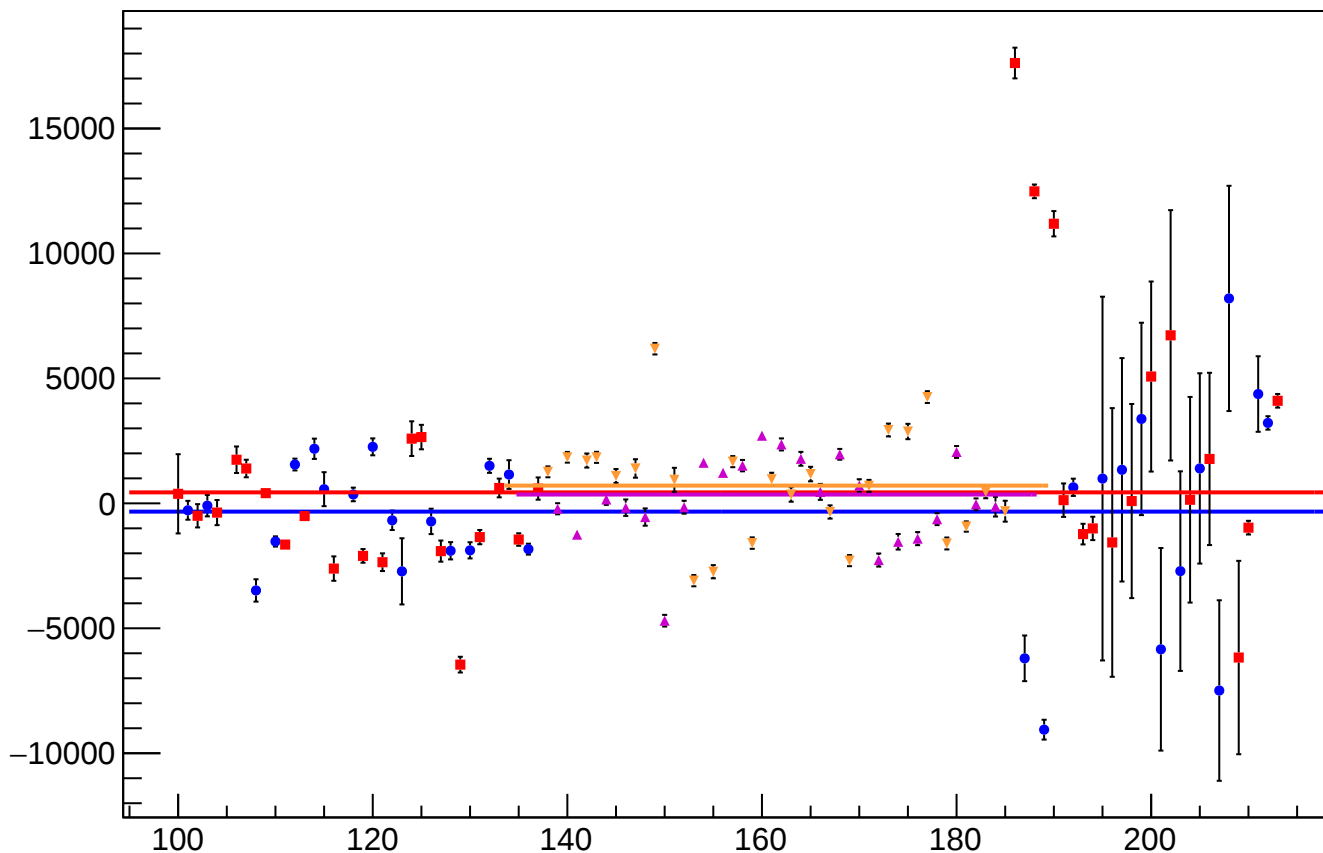
Right: 199.479 $\pm$ 0.026 χ^2 /NDF: 4094656.3/63

In: 201.508 $\pm$ 0.026 χ^2 /NDF:2618741.3/52

Out: 207.488 $\pm$ 0.026 χ^2 /NDF:3575035.0/58

All: 204.504 $\pm$ 0.018 χ^2 /NDF: 6221188.2/111

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -331.260 ± 73.421 $\chi^2/\text{NDF}: 1124.8/29$

Left Out: 710.238 ± 50.750 $\chi^2/\text{NDF}: 1932.3/24$

Right Out: 439.254 ± 63.402 $\chi^2/\text{NDF}: 4377.7/33$

Left In: 352.432 ± 49.316 $\chi^2/\text{NDF}: 1233.1/22$

Left: 526.207 ± 35.368 $\chi^2/\text{NDF}: 3190.9/47$

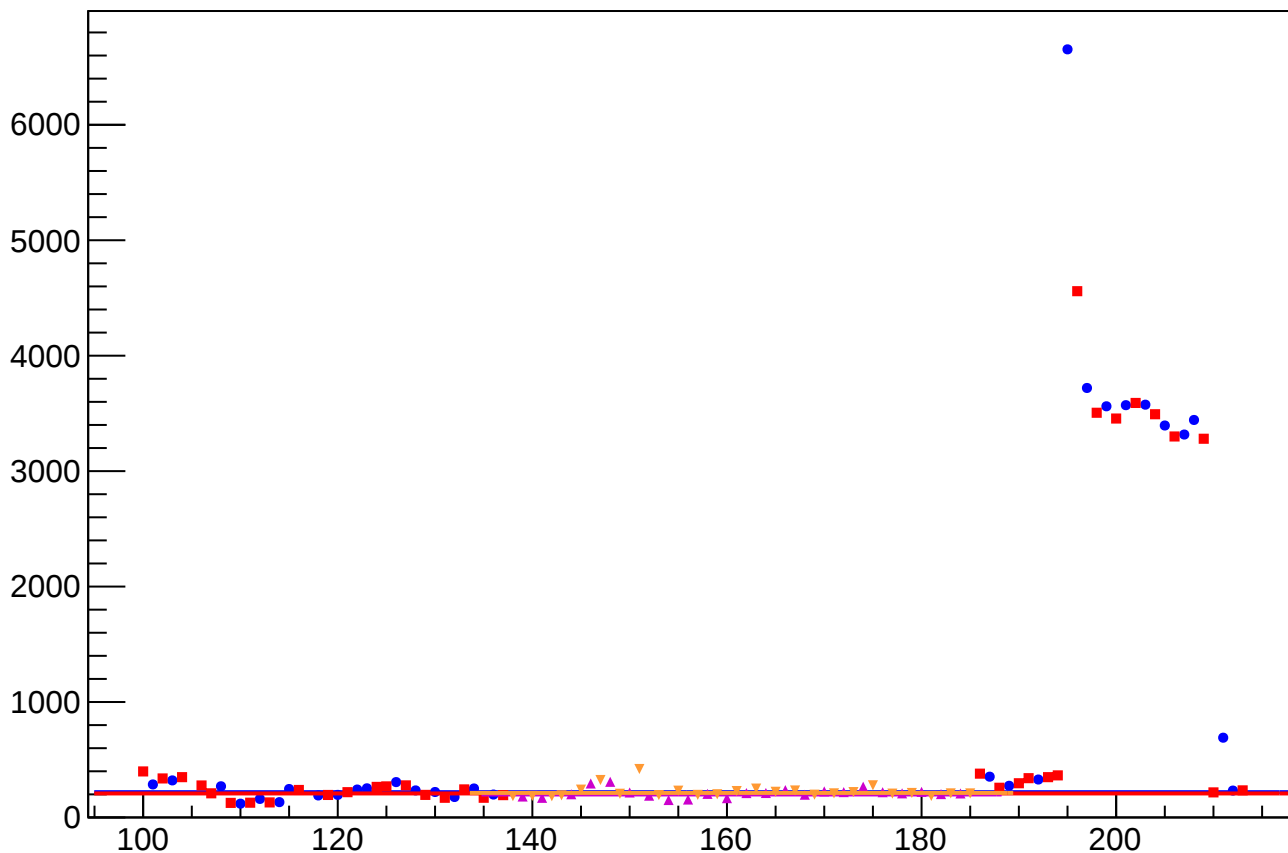
Right: 110.119 ± 47.986 $\chi^2/\text{NDF}: 5565.7/63$

In: 139.874 ± 40.938 $\chi^2/\text{NDF}: 2417.6/52$

Out: 604.414 ± 39.621 $\chi^2/\text{NDF}: 6321.2/58$

All: 379.740 ± 28.470 $\chi^2/\text{NDF}: 8805.3/111$

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 219.008 $\pm$ 0.052 χ^2 /NDF: 12506286.2/29

Left Out: 212.718 $\pm$ 0.036 χ^2 /NDF: 916225.9/24

Right Out: 207.918 $\pm$ 0.045 χ^2 /NDF: 11730153.1/33

Left In: 199.142 $\pm$ 0.035 χ^2 /NDF: 985932.4/22

Left: 205.736 $\pm$ 0.025 χ^2 /NDF: 1975772.3/47

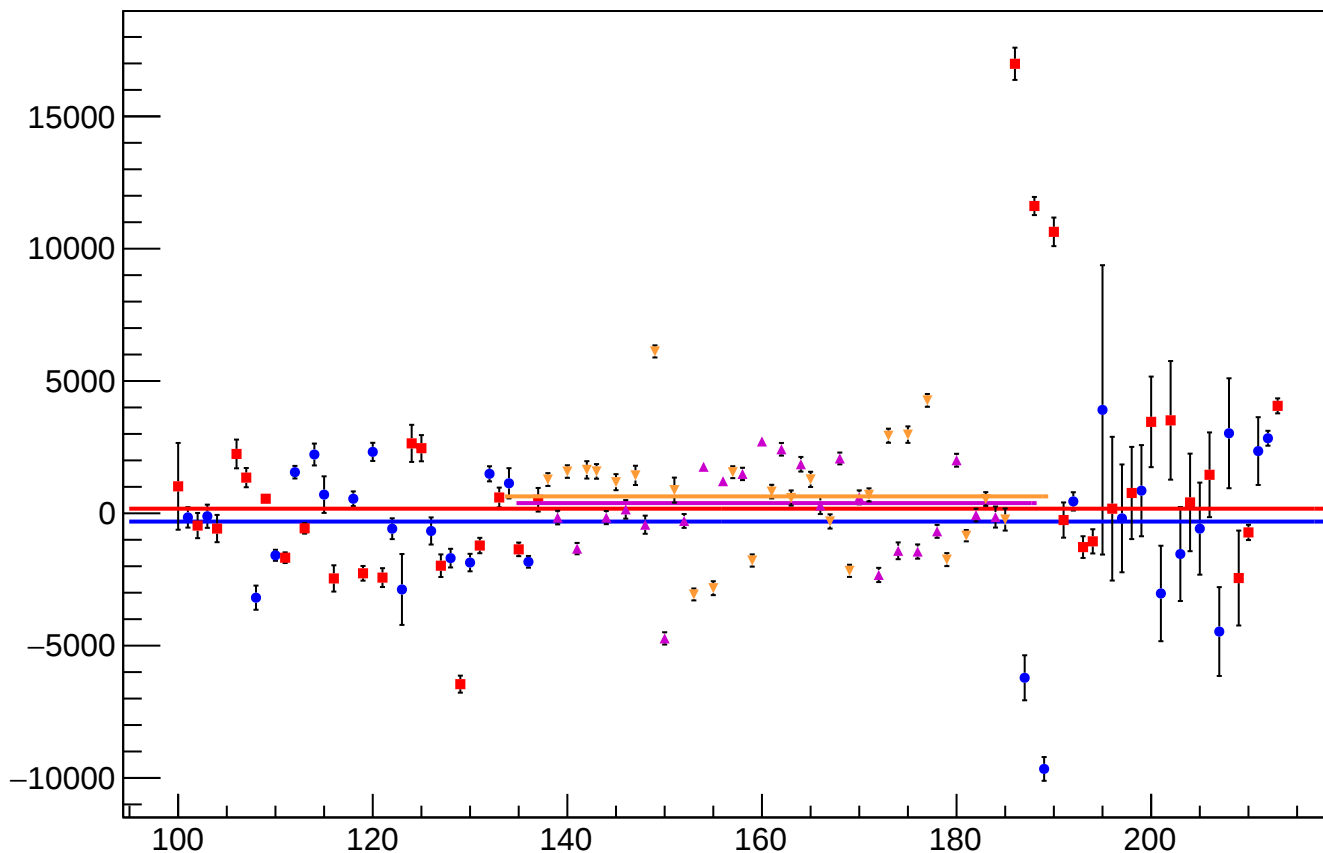
Right: 212.655 $\pm$ 0.034 χ^2 /NDF: 24262582.0/63

In: 205.318 $\pm$ 0.029 χ^2 /NDF: 13593123.3/52

Out: 210.844 $\pm$ 0.028 χ^2 /NDF: 12653368.0/58

All: 208.171 $\pm$ 0.020 χ^2 /NDF: 26265302.0/11

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -311.888+/-74.484 χ^2/NDF : 1010.3/29

Left Out: 639.995+/-52.708 χ^2/NDF :1859.2/24

Right Out: 174.953+/-65.119 χ^2/NDF : 3309.4/33

Left In: 386.248+/-50.994 χ^2/NDF :1238.0/22

Left: 508.926+/-36.649 χ^2/NDF : 3109.2/47

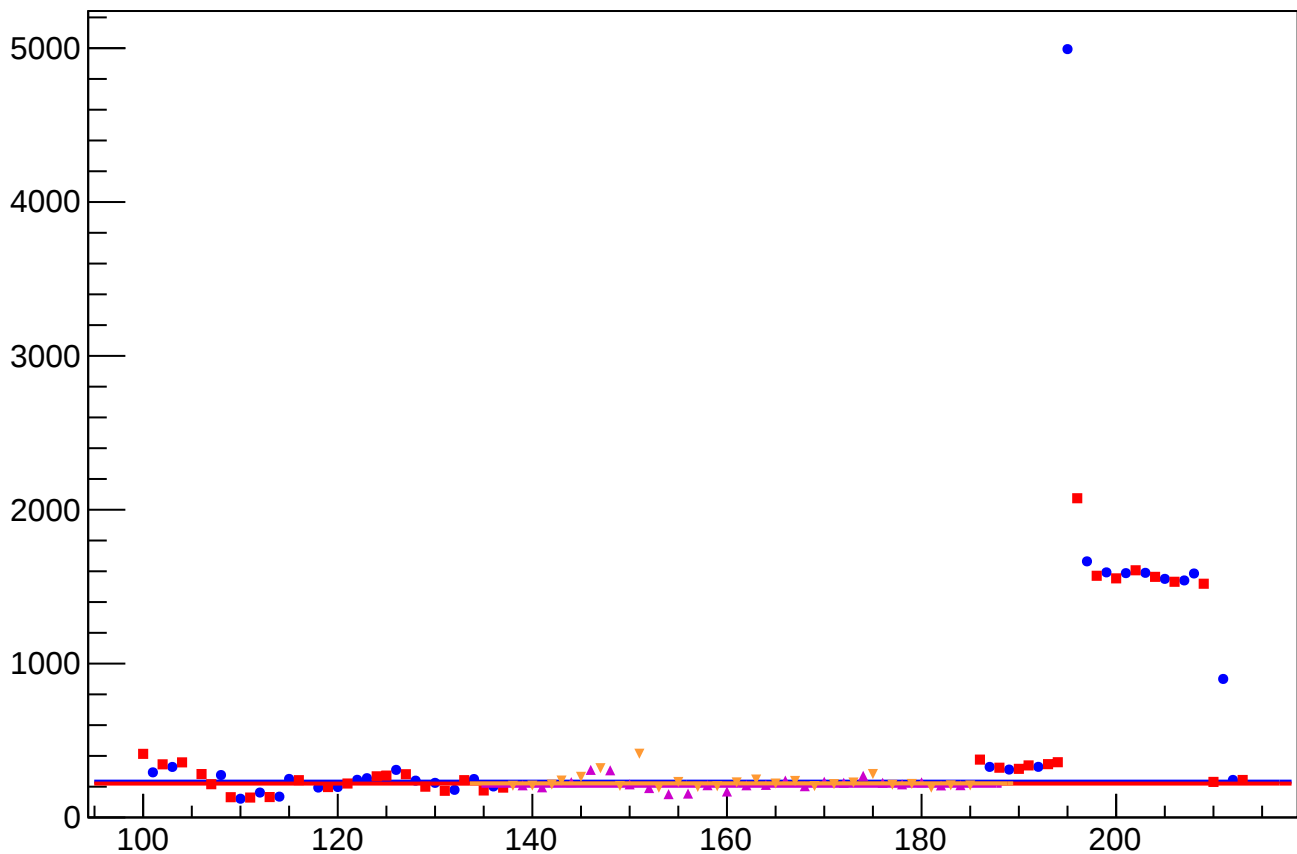
Right: -35.955+/-49.024 χ^2/NDF : 4343.9/63

In: 163.449+/-42.077 χ^2/NDF :2308.1/52

Out: 455.917+/-40.969 χ^2/NDF :5199.5/58

All: 313.584+/-29.354 χ^2/NDF : 7532.4/111

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 232.828+/-0.053 χ^2/NDF : 11279629.2/29

Left Out: 221.398+/-0.037 χ^2/NDF : 777833.8/24

Right Out: 220.098+/-0.046 χ^2/NDF : 10175624.4/33

Left In: 205.803+/-0.036 χ^2/NDF : 994903.5/22

Left: 213.343+/-0.026 χ^2/NDF : 1863169.5/47

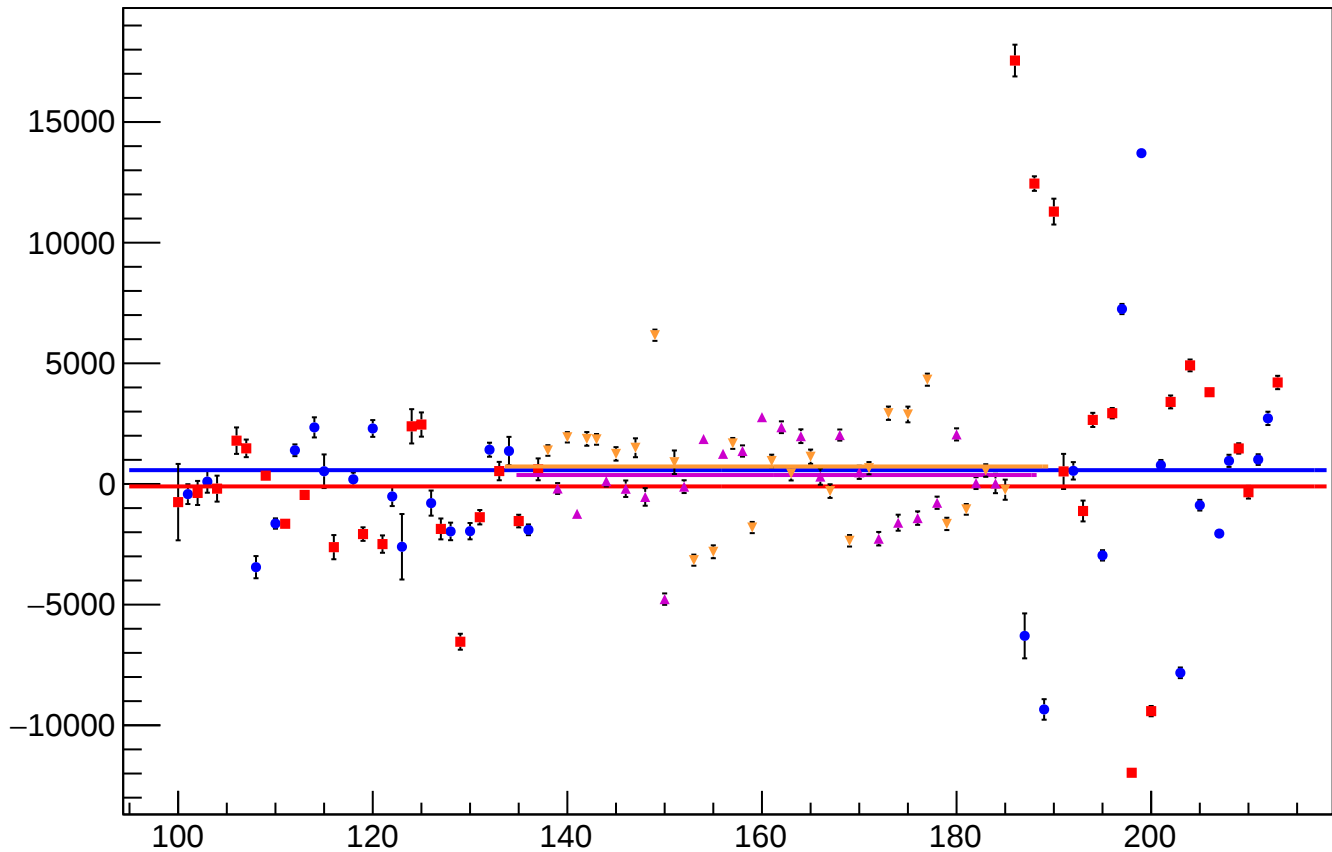
Right: 225.613+/-0.035 χ^2/NDF : 21488364.3/63

In: 214.428+/-0.030 χ^2/NDF : 12453799.0/52

Out: 220.884+/-0.029 χ^2/NDF : 10953939.5/58

All: 217.742+/-0.021 χ^2/NDF : 23431906.1/111

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 572.595 $\pm$ 52.507 χ^2 /NDF: 8509.6/29

Left Out: 725.250 $\pm$ 52.307 χ^2 /NDF:1883.1/24

Right Out: -101.283 $\pm$ 51.220 χ^2 /NDF: 10296.7/33

Left In: 370.408 $\pm$ 50.884 χ^2 /NDF:1223.2/22

Left: 542.938 $\pm$ 36.473 χ^2 /NDF: 3129.9/47

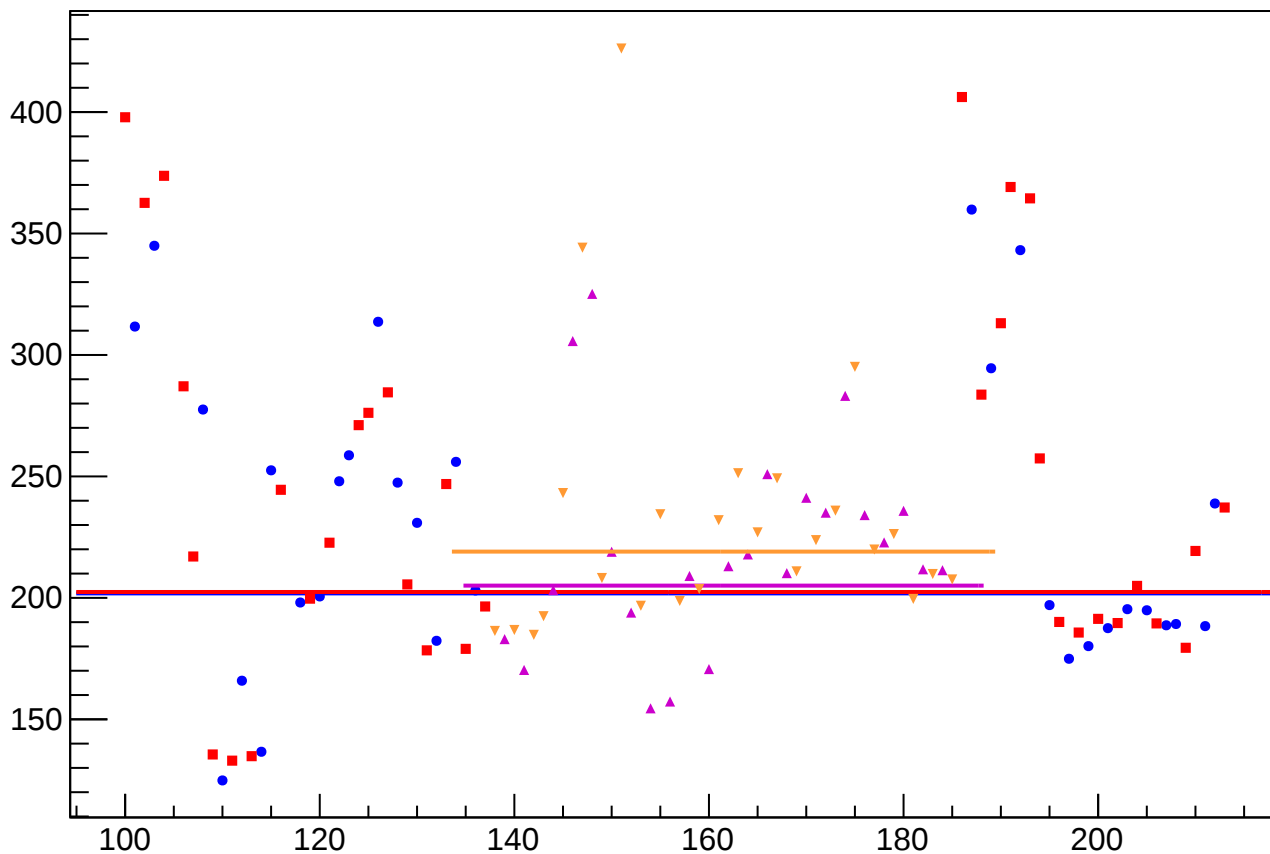
Right: 227.298 $\pm$ 36.664 χ^2 /NDF: 18890.7/63

In: 468.330 $\pm$ 36.541 χ^2 /NDF:9740.4/52

Out: 303.304 $\pm$ 36.596 χ^2 /NDF:12307.3/58

All: 385.942 $\pm$ 25.858 χ^2 /NDF: 22057.9/111

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 201.848+/-0.037 χ^2/NDF : 1531967.0/29

Left Out: 219.049+/-0.037 χ^2/NDF : 975564.4/24

Right Out: 202.425+/-0.036 χ^2/NDF : 2358158.5/33

Left In: 205.046+/-0.036 χ^2/NDF : 1144197.1/22

Left: 211.855+/-0.026 χ^2/NDF : 2193394.9/47

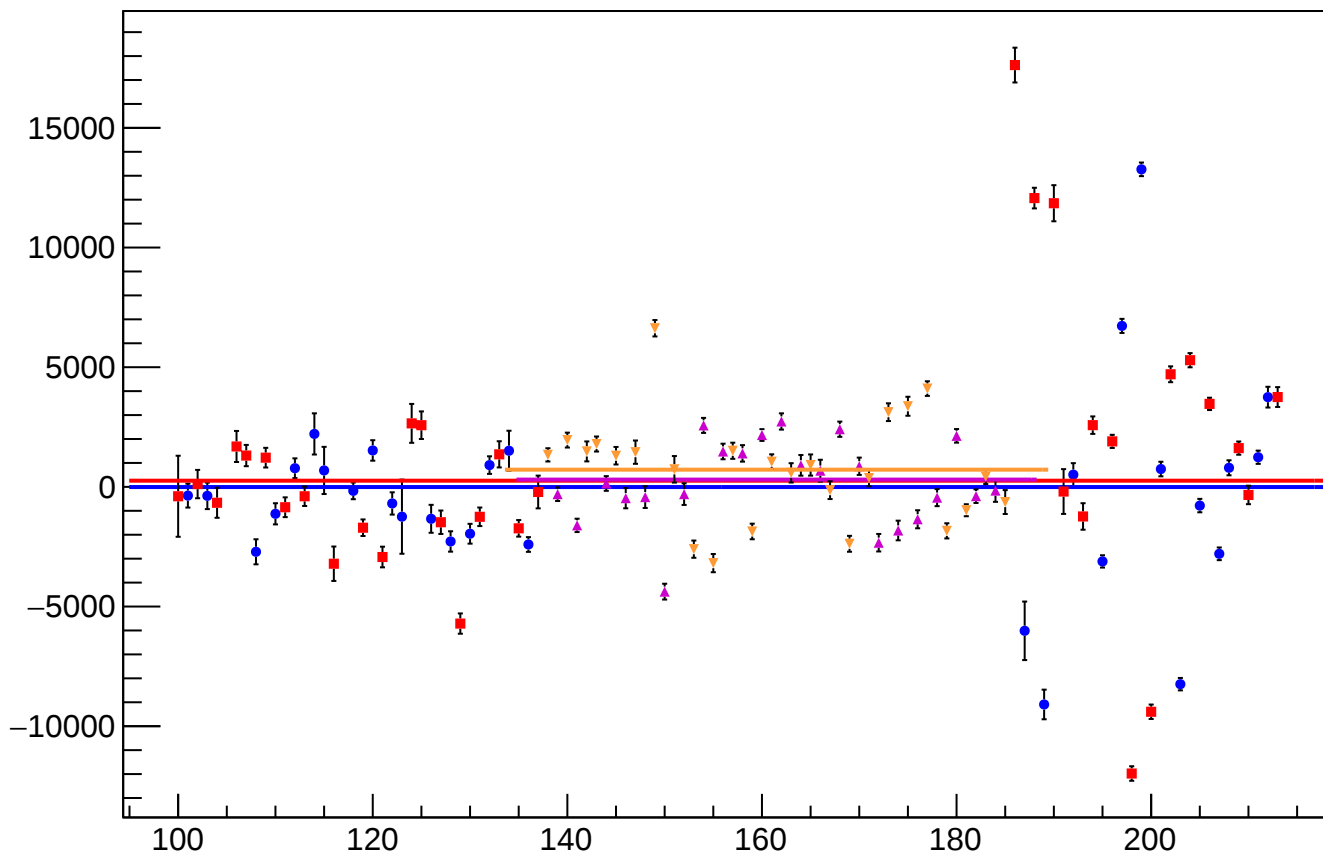
Right: 202.144+/-0.026 χ^2/NDF : 3890249.1/63

In: 203.497+/-0.026 χ^2/NDF : 2679991.0/52

Out: 210.562+/-0.026 χ^2/NDF : 3436847.4/58

All: 207.024+/-0.018 χ^2/NDF : 6154160.9/111

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -7.556 ± 69.948 $\chi^2/\text{NDF}: 4502.3/29$

Left Out: 718.705 ± 69.601 $\chi^2/\text{NDF}: 1018.5/24$

Right Out: 258.394 ± 70.965 $\chi^2/\text{NDF}: 5427.0/33$

Left In: 304.161 ± 70.958 $\chi^2/\text{NDF}: 643.5/22$

Left: 515.435 ± 49.688 $\chi^2/\text{NDF}: 1679.4/47$

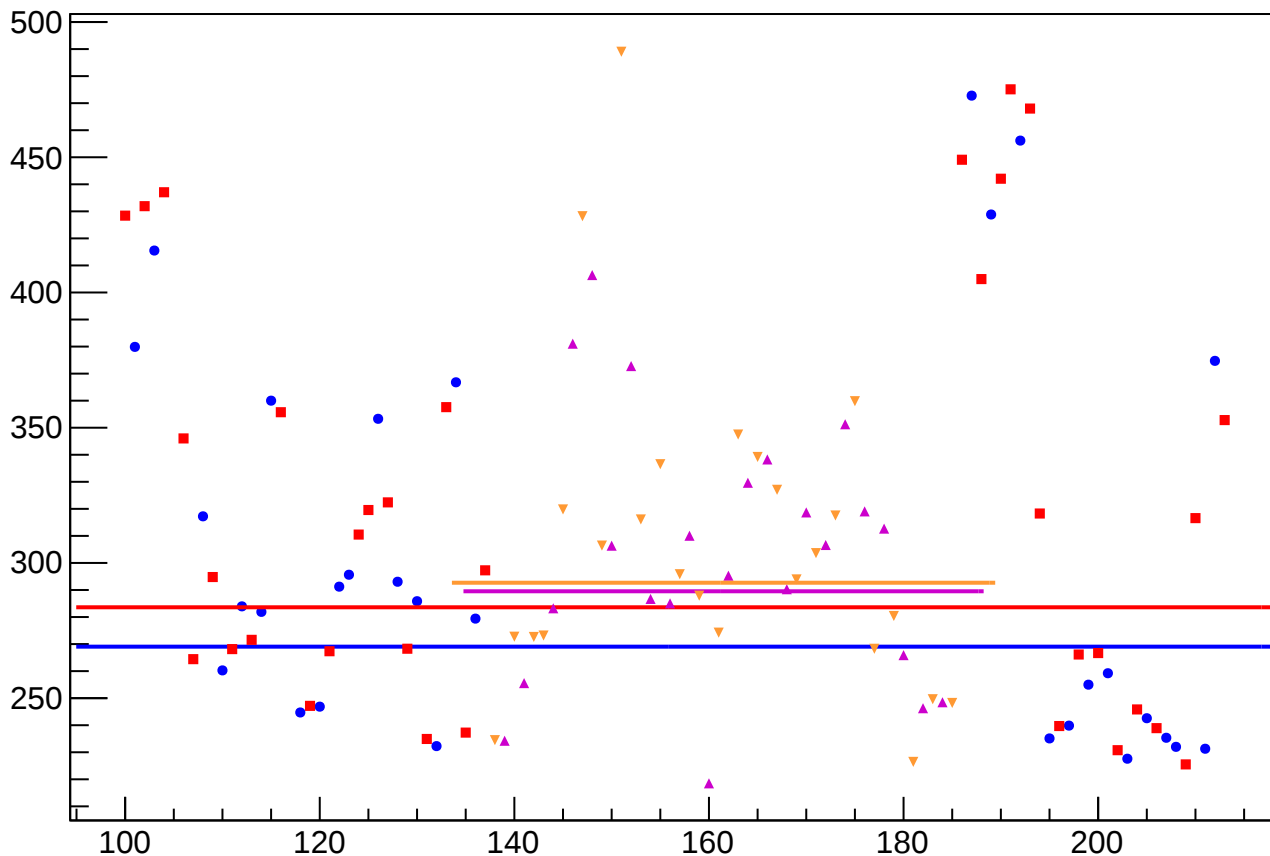
Right: 123.501 ± 49.816 $\chi^2/\text{NDF}: 9936.4/63$

In: 146.070 ± 49.814 $\chi^2/\text{NDF}: 5155.6/52$

Out: 493.017 ± 49.690 $\chi^2/\text{NDF}: 6467.0/58$

All: 319.974 ± 35.180 $\chi^2/\text{NDF}: 11646.8/111$

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 269.048 $\pm$ 0.049 χ^2/NDF : 1236530.8/29

Left Out: 292.686 $\pm$ 0.049 χ^2/NDF : 925193.6/24

Right Out: 283.604 $\pm$ 0.050 χ^2/NDF : 1503641.8/33

Left In: 289.522 $\pm$ 0.050 χ^2/NDF : 777901.0/22

Left: 291.134 $\pm$ 0.035 χ^2/NDF : 1705121.5/47

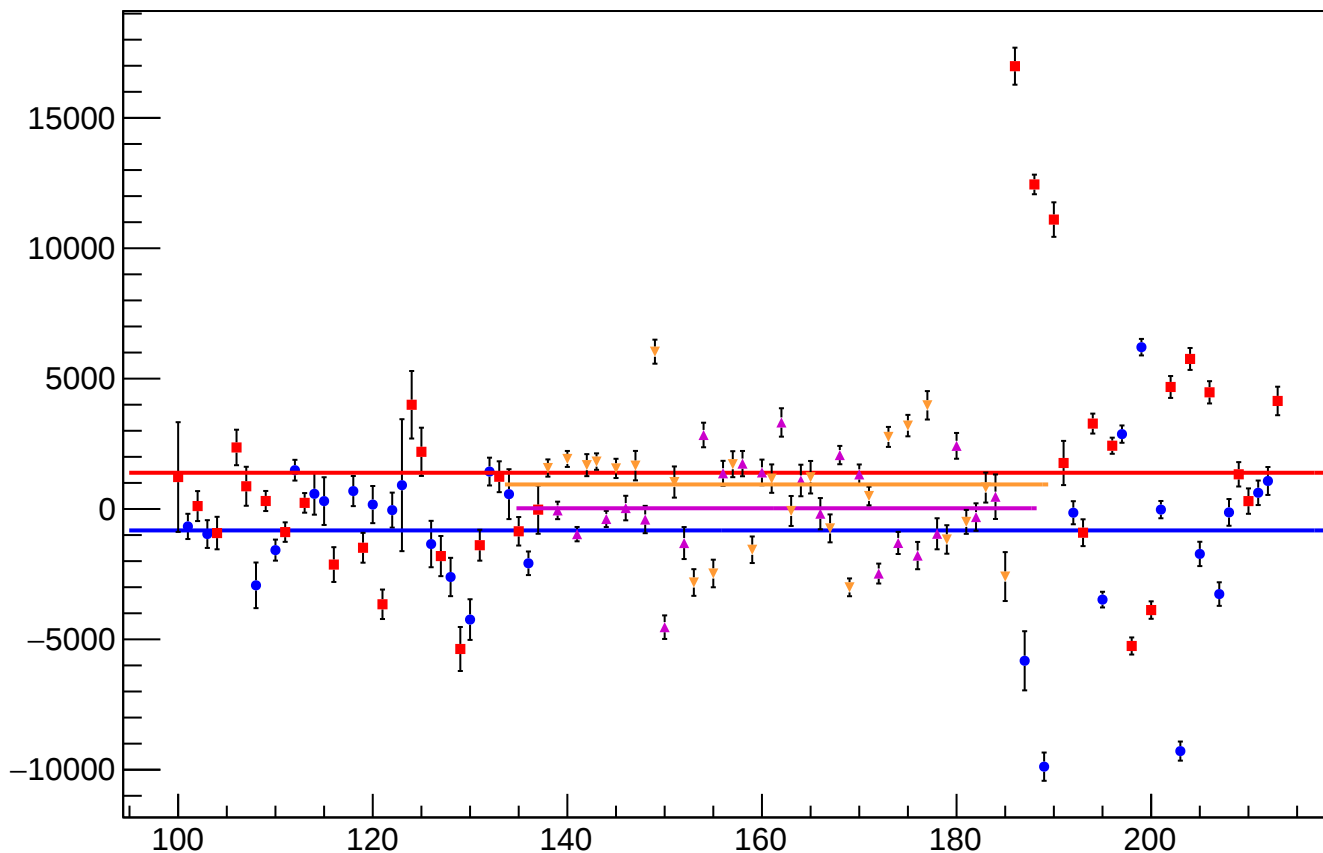
Right: 276.221 $\pm$ 0.035 χ^2/NDF : 2782852.6/63

In: 279.138 $\pm$ 0.035 χ^2/NDF : 2098877.0/52

Out: 288.233 $\pm$ 0.035 χ^2/NDF : 2445531.4/58

All: 283.697 $\pm$ 0.025 χ^2/NDF : 4577826.0/111

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -822.034 ± 90.094 $\chi^2/\text{NDF}: 1703.8/29$

Left Out: 941.598 ± 89.119 $\chi^2/\text{NDF}: 544.6/24$

Right Out: 1389.640 ± 85.997 $\chi^2/\text{NDF}: 2864.2/33$

Left In: 27.763 ± 92.331 $\chi^2/\text{NDF}: 362.5/22$

Left: 500.853 ± 64.122 $\chi^2/\text{NDF}: 957.8/47$

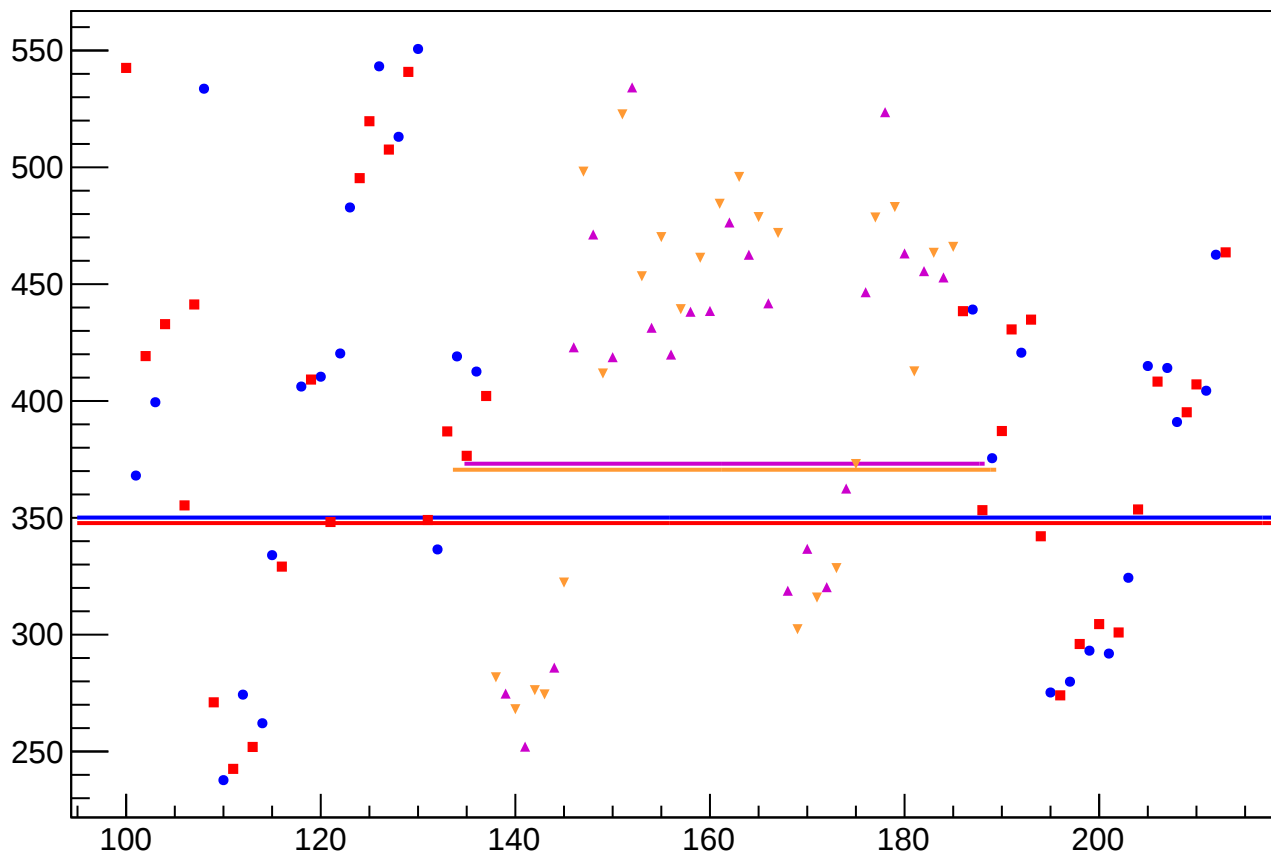
Right: 335.237 ± 62.207 $\chi^2/\text{NDF}: 4883.3/63$

In: -407.553 ± 64.483 $\chi^2/\text{NDF}: 2109.7/52$

Out: 1173.604 ± 61.883 $\chi^2/\text{NDF}: 3421.9/58$

All: 415.535 ± 44.649 $\chi^2/\text{NDF}: 5844.6/111$

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 350.112+/-0.064 χ^2/NDF : 1419638.0/29

Left Out: 370.580+/-0.063 χ^2/NDF :1878118.9/24

Right Out: 347.747+/-0.061 χ^2/NDF : 1335586.8/33

Left In: 373.161+/-0.065 χ^2/NDF :1636244.2/22

Left: 371.824+/-0.045 χ^2/NDF : 3515172.3/47

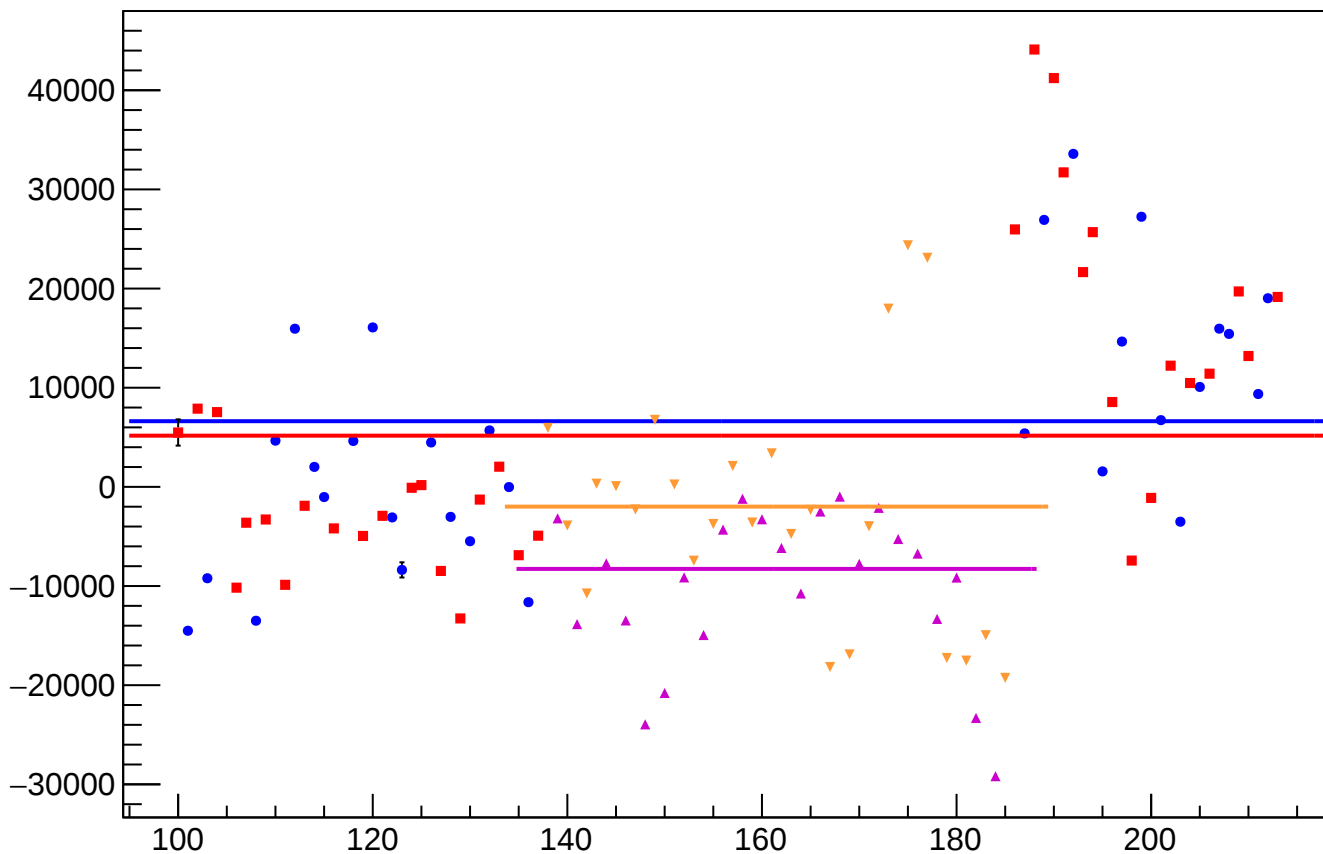
Right: 348.875+/-0.044 χ^2/NDF : 2755945.5/63

In: 361.354+/-0.046 χ^2/NDF :3119727.6/52

Out: 358.757+/-0.044 χ^2/NDF :3281683.7/58

All: 360.002+/-0.032 χ^2/NDF : 6403100.2/111

asym_bpm0i02WS_mean vs Slug, Sign Corrected



Right In: 6622.962+/-40.682 χ^2/NDF : 93694.9/29

Left Out: -1991.788+/-42.427 χ^2/NDF : 63766.6/24

Right Out: 5164.569+/-38.756 χ^2/NDF : 144038.9/33

Left In: -8273.228+/-44.301 χ^2/NDF : 22870.2/22

Left: -4996.810+/-30.641 χ^2/NDF : 97123.2/47

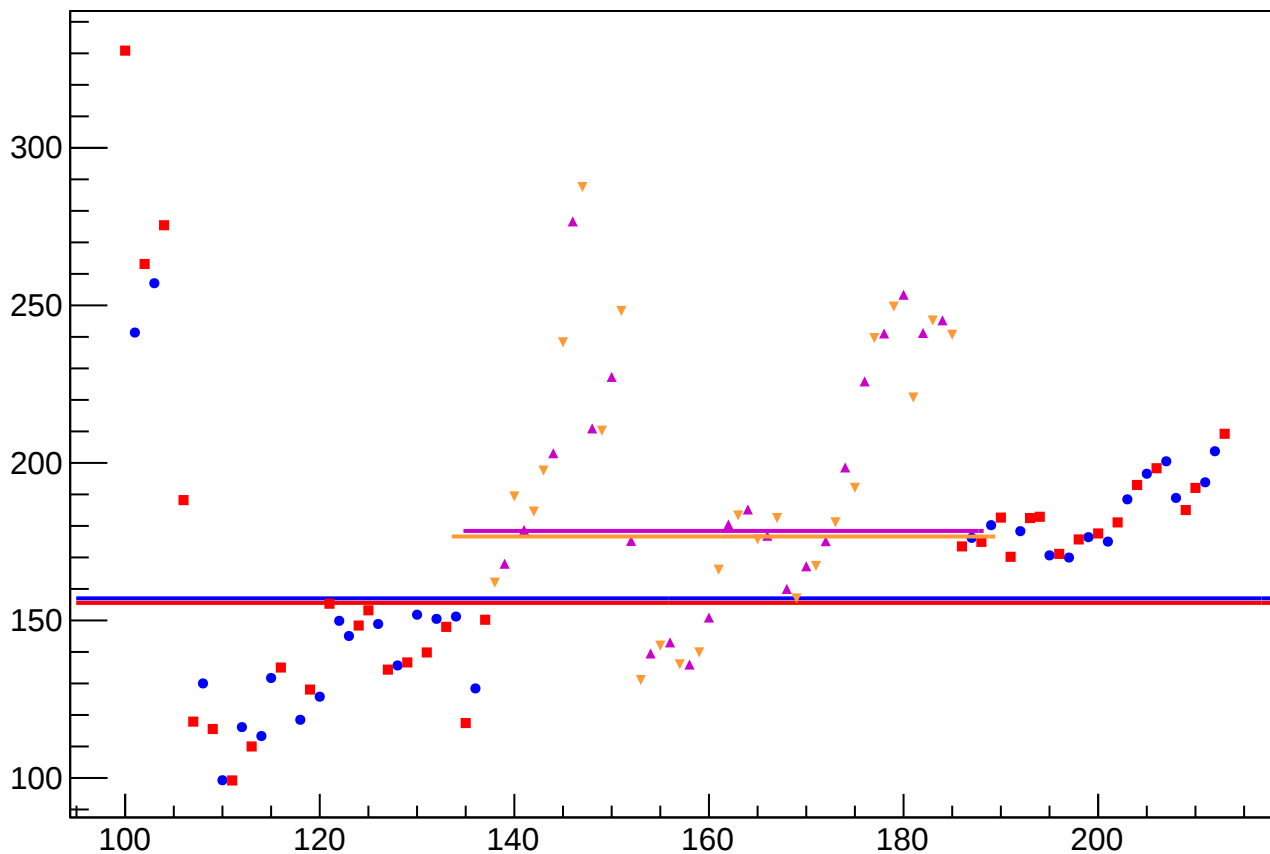
Right: 5858.423+/-28.061 χ^2/NDF : 238407.5/63

In: -191.922+/-29.964 χ^2/NDF : 177902.6/52

Out: 1909.320+/-28.614 χ^2/NDF : 223315.0/58

All: 907.099+/-20.694 χ^2/NDF : 403789.6/111

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 157.009 $\pm$ 0.029 χ^2 /NDF: 1431781.2/29

Left Out: 176.641 $\pm$ 0.030 χ^2 /NDF:1551048.8/24

Right Out: 155.571 $\pm$ 0.027 χ^2 /NDF: 1731052.3/33

Left In: 178.413 $\pm$ 0.031 χ^2 /NDF:1293736.2/22

Left: 177.489 $\pm$ 0.022 χ^2 /NDF: 2846455.0/47

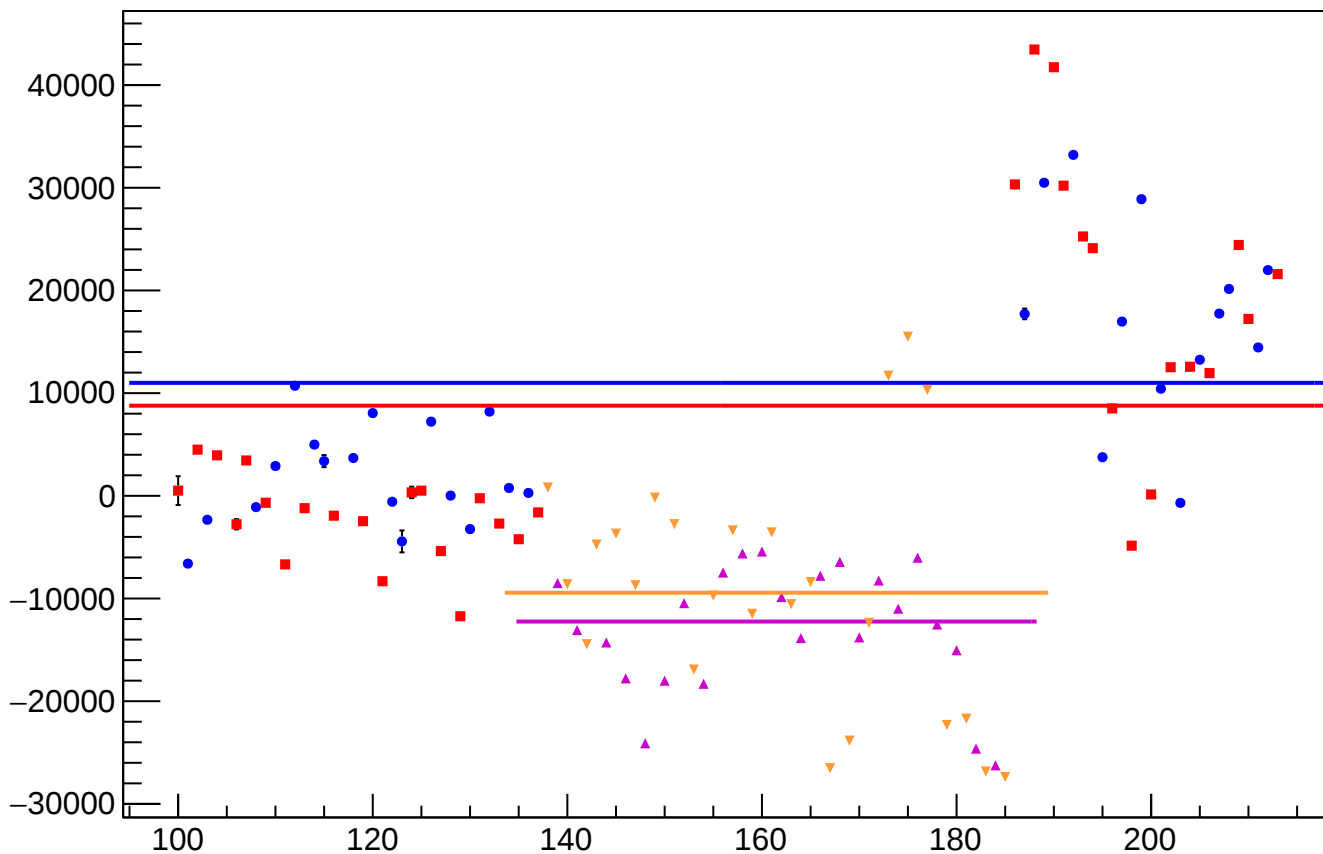
Right: 156.255 $\pm$ 0.020 χ^2 /NDF: 3164141.8/63

In: 166.801 $\pm$ 0.021 χ^2 /NDF:2978810.9/52

Out: 165.155 $\pm$ 0.020 χ^2 /NDF:3550973.0/58

All: 165.940 $\pm$ 0.015 χ^2 /NDF: 6532939.3/111

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 11002.209+/-45.159

χ^2/NDF : 55126.9/29

Left: -10889.638+/-31.621 χ^2/NDF : 80800.7/47

Right: 9832.899+/-31.095 χ^2/NDF : 172097.9/63

Left Out: -9437.408+/-45.534

χ^2/NDF : 62220.4/24

In: -936.772+/-31.494 χ^2/NDF : 207824.3/52

Right Out: 8778.623+/-42.880

χ^2/NDF : 115696.0/33

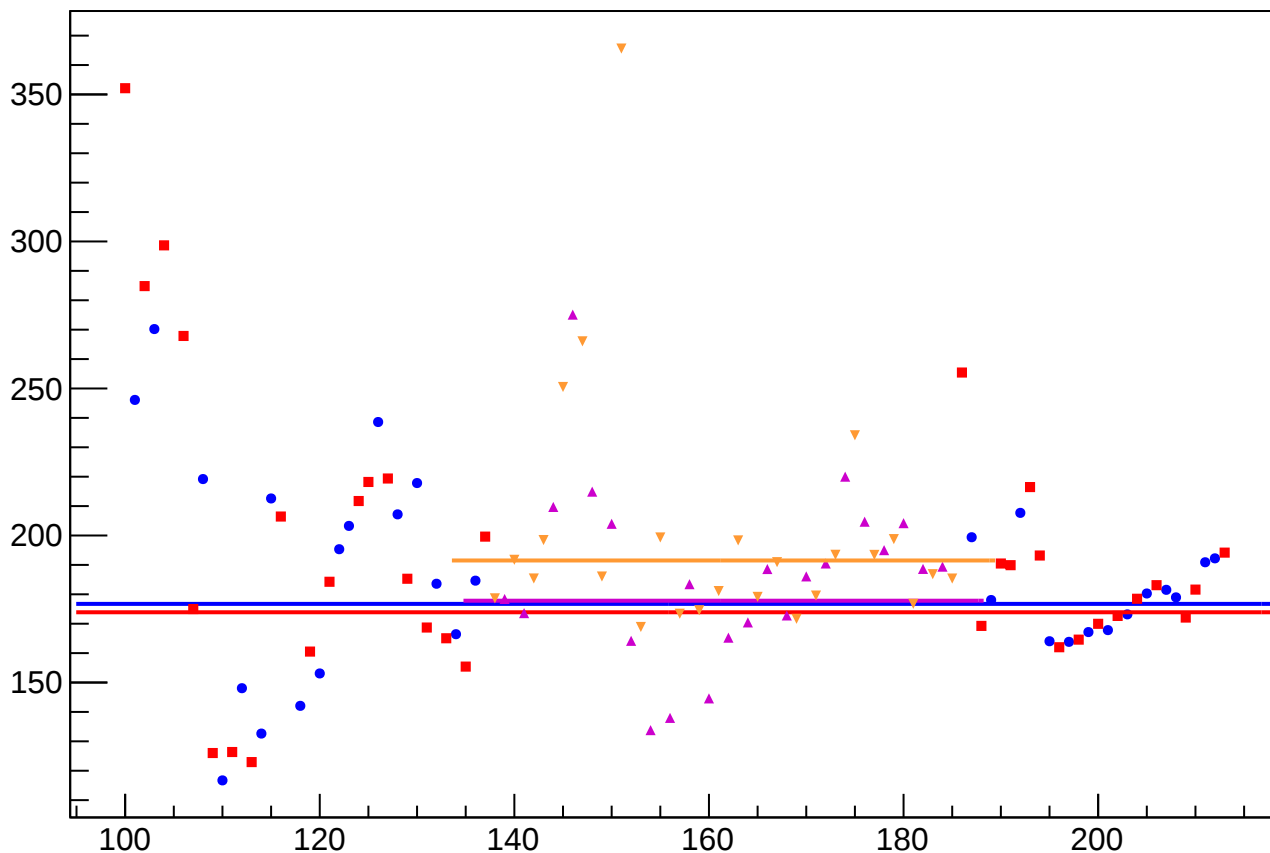
Out: 216.964+/-31.217 χ^2/NDF : 262736.7/58

Left In: -12242.226+/-43.944

χ^2/NDF : 16615.8/22

All: -354.807+/-22.171 χ^2/NDF : 471237.9/11

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 176.743+/-0.032 χ^2/NDF : 781849.5/29

Left Out: 191.507+/-0.032 χ^2/NDF : 727251.6/24

Right Out: 173.891+/-0.030 χ^2/NDF : 1151604.9/33

Left In: 177.821+/-0.031 χ^2/NDF : 862494.4/22

Left: 184.421+/-0.022 χ^2/NDF : 1683284.8/47

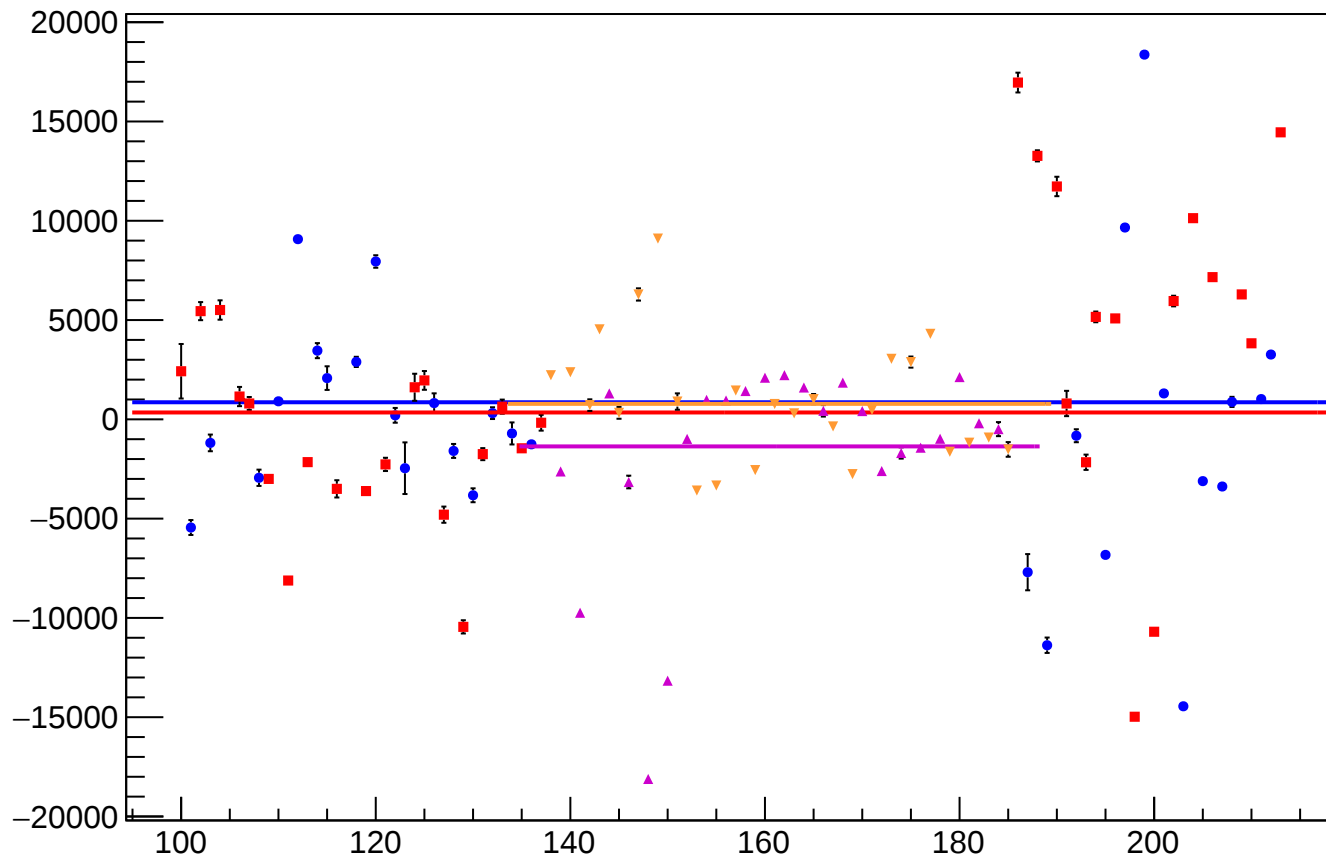
Right: 175.243+/-0.022 χ^2/NDF : 1937650.5/63

In: 177.297+/-0.022 χ^2/NDF : 1644929.6/52

Out: 182.170+/-0.022 χ^2/NDF : 2037506.3/58

All: 179.755+/-0.016 χ^2/NDF : 3706591.9/111

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 859.868+/-50.602 χ^2/NDF : 20439.0/29

Left Out: 779.983+/-47.457 χ^2/NDF : 4260.8/24

Right Out: 345.795+/-48.260 χ^2/NDF : 24948.3/33

Left In: -1363.043+/-45.807 χ^2/NDF : 11632.9/22

Left: -329.448+/-32.958 χ^2/NDF : 16949.3/47

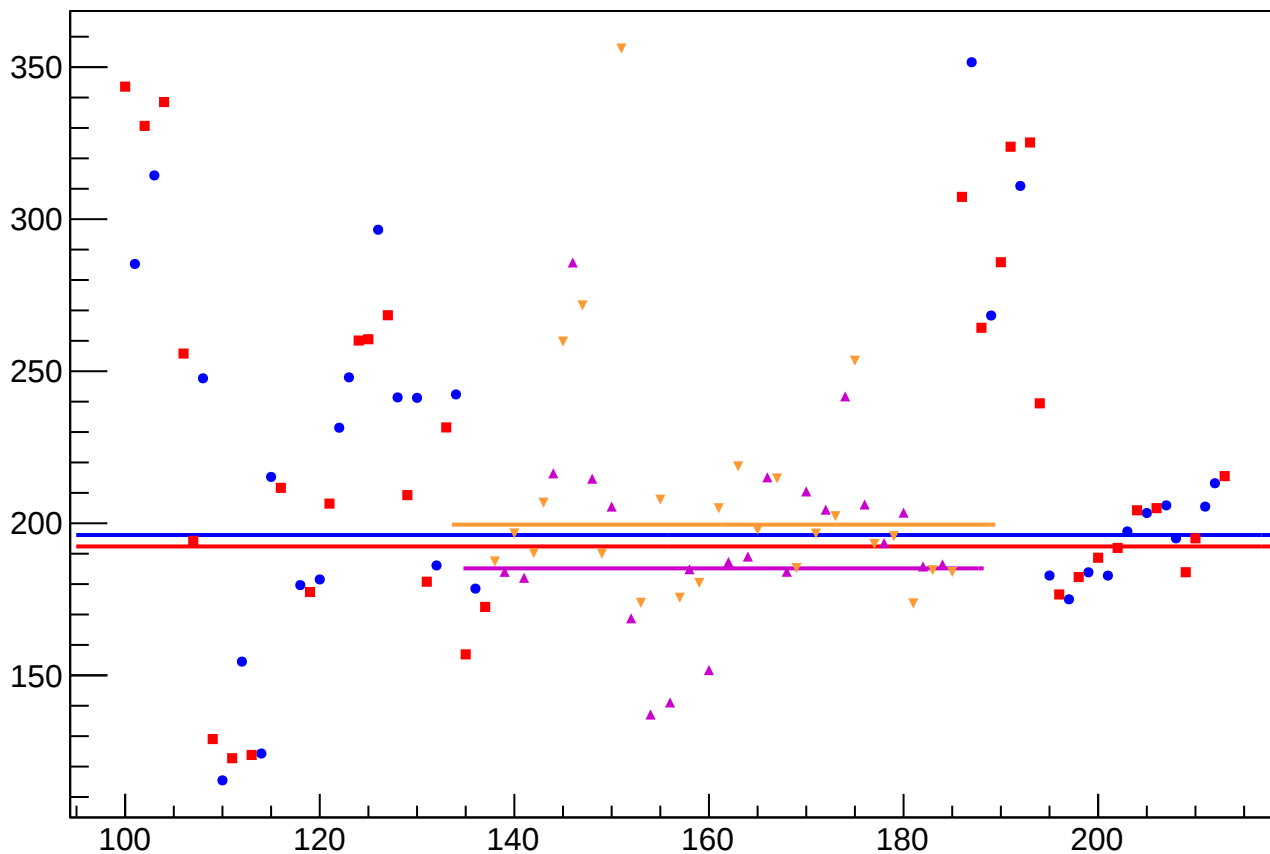
Right: 590.661+/-34.923 χ^2/NDF : 45441.4/63

In: -361.874+/-33.959 χ^2/NDF : 33132.5/52

Out: 566.529+/-33.838 χ^2/NDF : 29250.2/58

All: 103.993+/-23.970 χ^2/NDF : 62757.8/111

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 196.143 ± 0.036 $\chi^2/\text{NDF}: 1429138.2/29$

Left Out: 199.547 ± 0.034 $\chi^2/\text{NDF}: 729356.3/24$

Right Out: 192.384 ± 0.034 $\chi^2/\text{NDF}: 2162853.9/33$

Left In: 185.171 ± 0.032 $\chi^2/\text{NDF}: 882752.2/22$

Left: 192.104 ± 0.023 $\chi^2/\text{NDF}: 1707122.0/47$

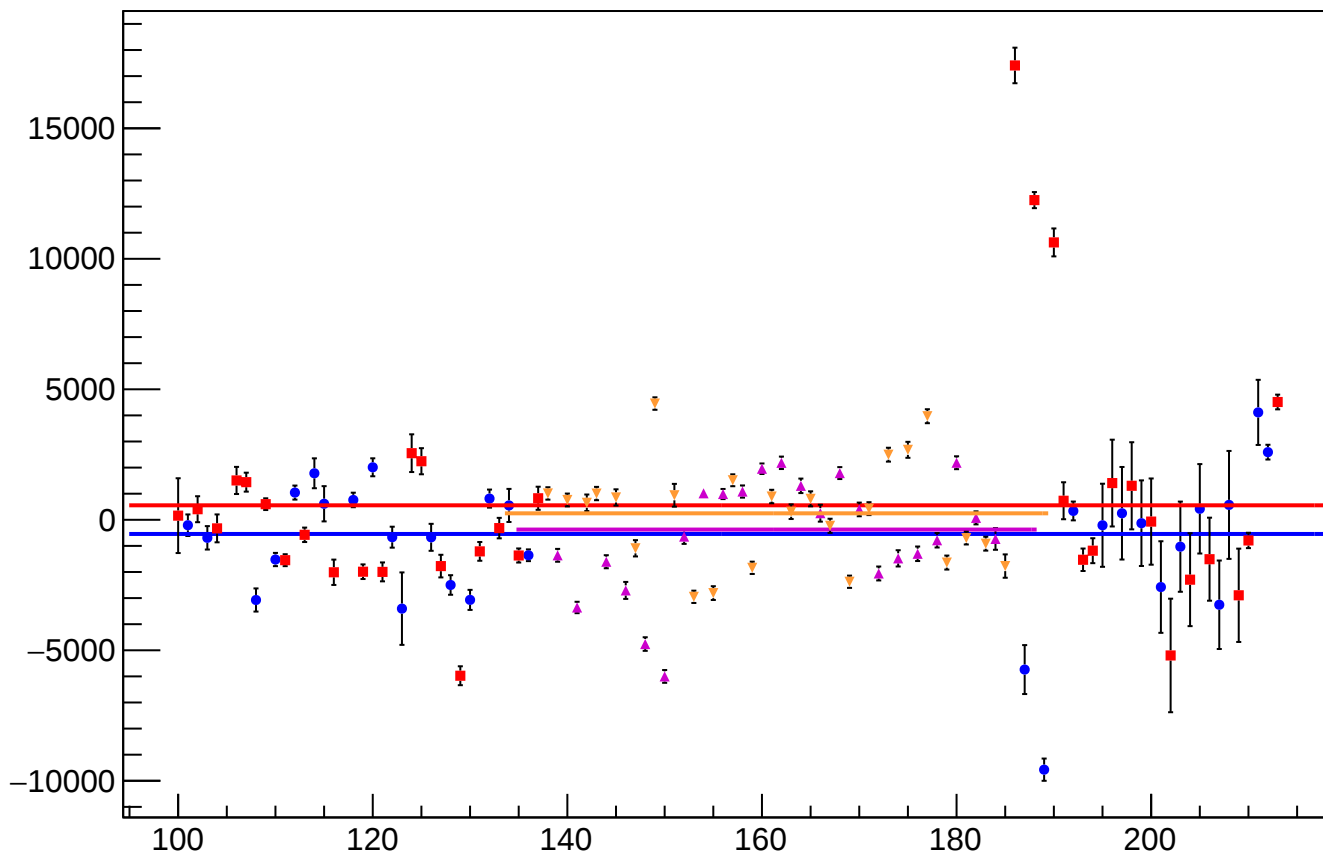
Right: 194.174 ± 0.025 $\chi^2/\text{NDF}: 3597769.9/63$

In: 190.112 ± 0.024 $\chi^2/\text{NDF}: 2363571.9/52$

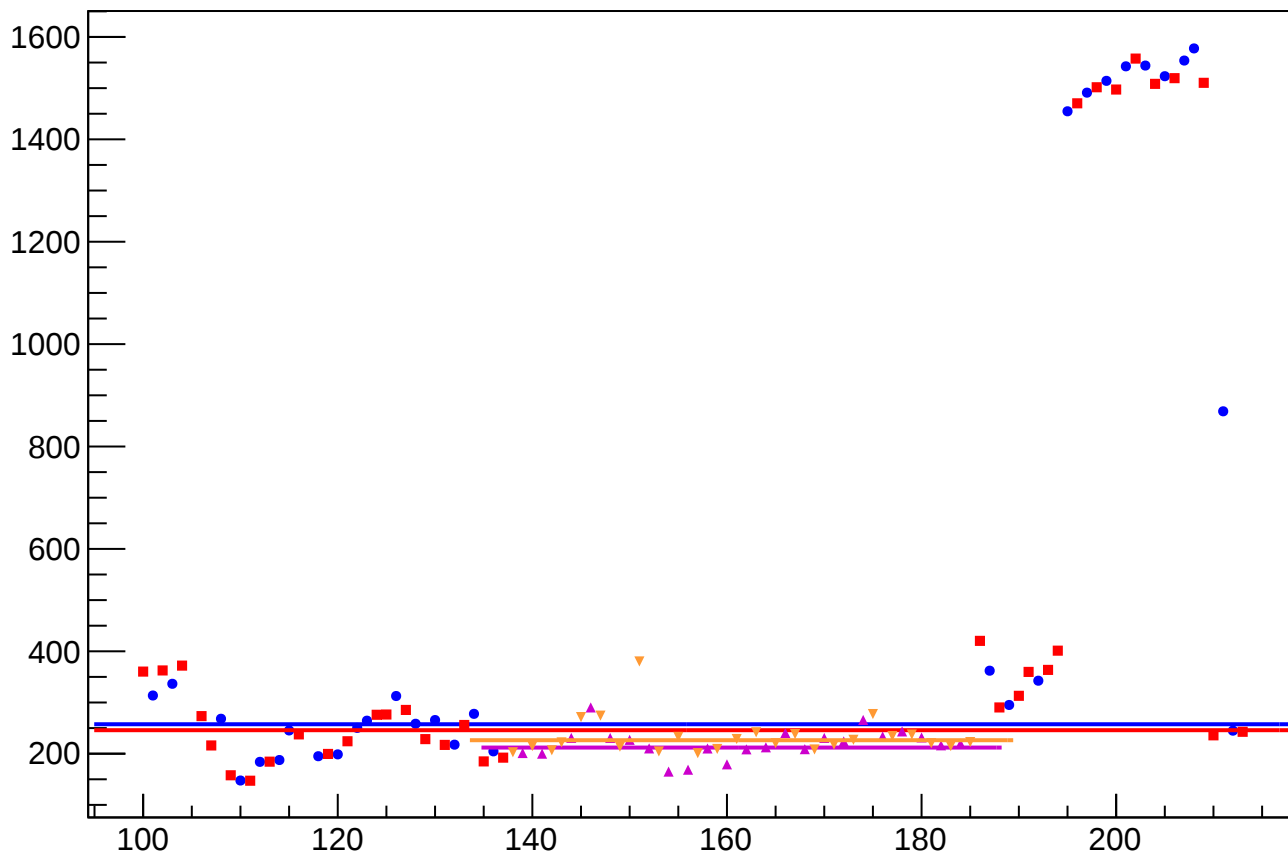
Out: 196.026 ± 0.024 $\chi^2/\text{NDF}: 2914606.7/58$

All: 193.080 ± 0.017 $\chi^2/\text{NDF}: 5308608.9/111$

asym_bpm0i07WS_mean vs Slug, Sign Corrected



asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 257.520 $\pm$ 0.056 χ^2 /NDF: 10145731.7/29

Left Out: 226.322 $\pm$ 0.038 χ^2 /NDF:521041.8/24

Right Out: 245.898 $\pm$ 0.050 χ^2 /NDF: 9273307.6/33

Left In: 211.970 $\pm$ 0.037 χ^2 /NDF:584344.5/22

Left: 218.941 $\pm$ 0.026 χ^2 /NDF: 1179246.7/47

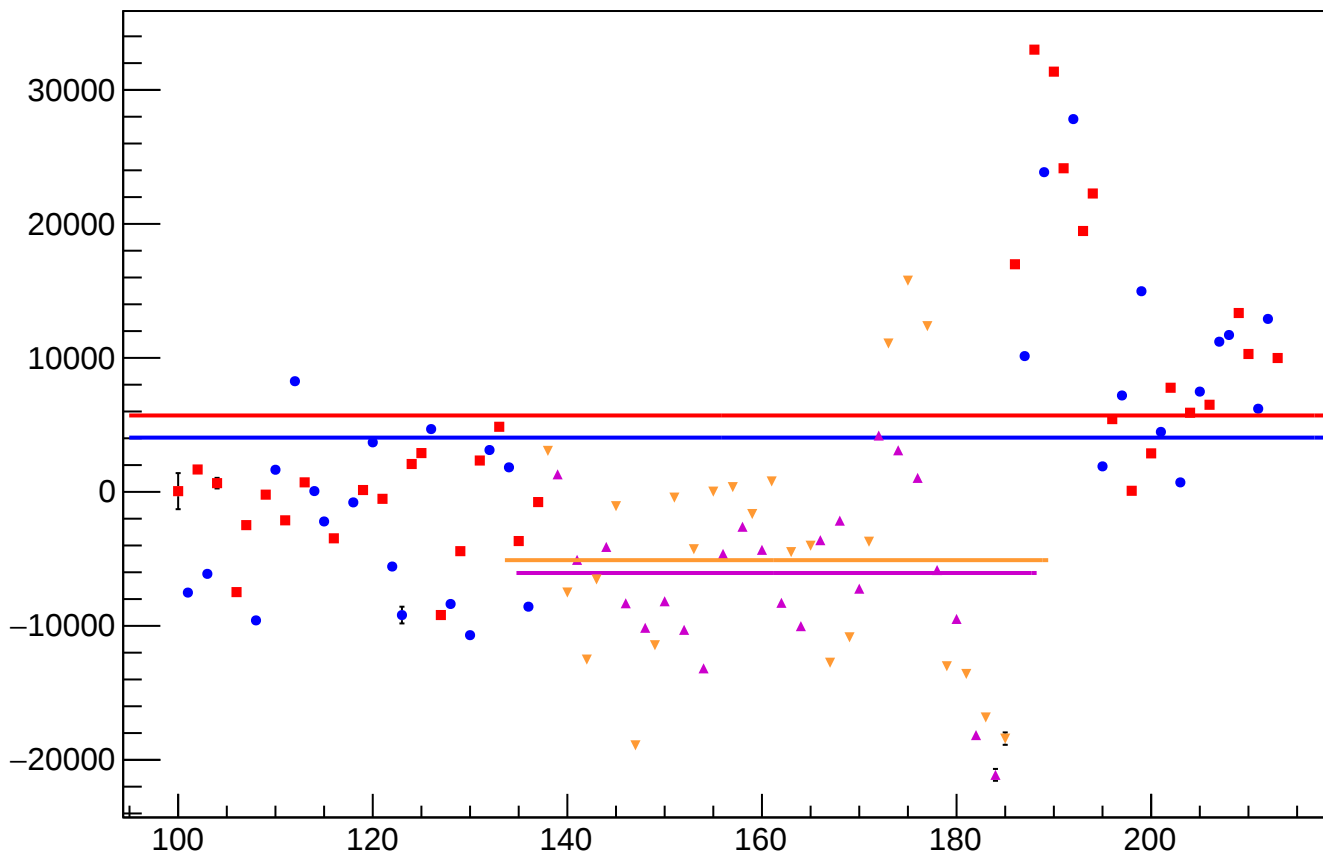
Right: 250.978 $\pm$ 0.037 χ^2 /NDF: 19442917.0/63

In: 225.563 $\pm$ 0.031 χ^2 /NDF:11187172.9/52

Out: 233.508 $\pm$ 0.030 χ^2 /NDF:9892454.8/58

All: 229.627 $\pm$ 0.022 χ^2 /NDF: 21113605.1/11

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 4050.714+/-34.584

χ^2/NDF : 79411.8/29

Left Out: -5095.305+/-33.703

χ^2/NDF : 54395.4/24

Right Out: 5703.034+/-32.712

χ^2/NDF : 103898.9/33

Left In: -6053.569+/-34.998

χ^2/NDF : 17590.3/22

Left: -5556.386+/-24.277

χ^2/NDF : 72374.6/47

Right: 4922.809+/-23.765

χ^2/NDF : 184515.4/63

In: -941.296+/-24.600

χ^2/NDF : 139174.8/52

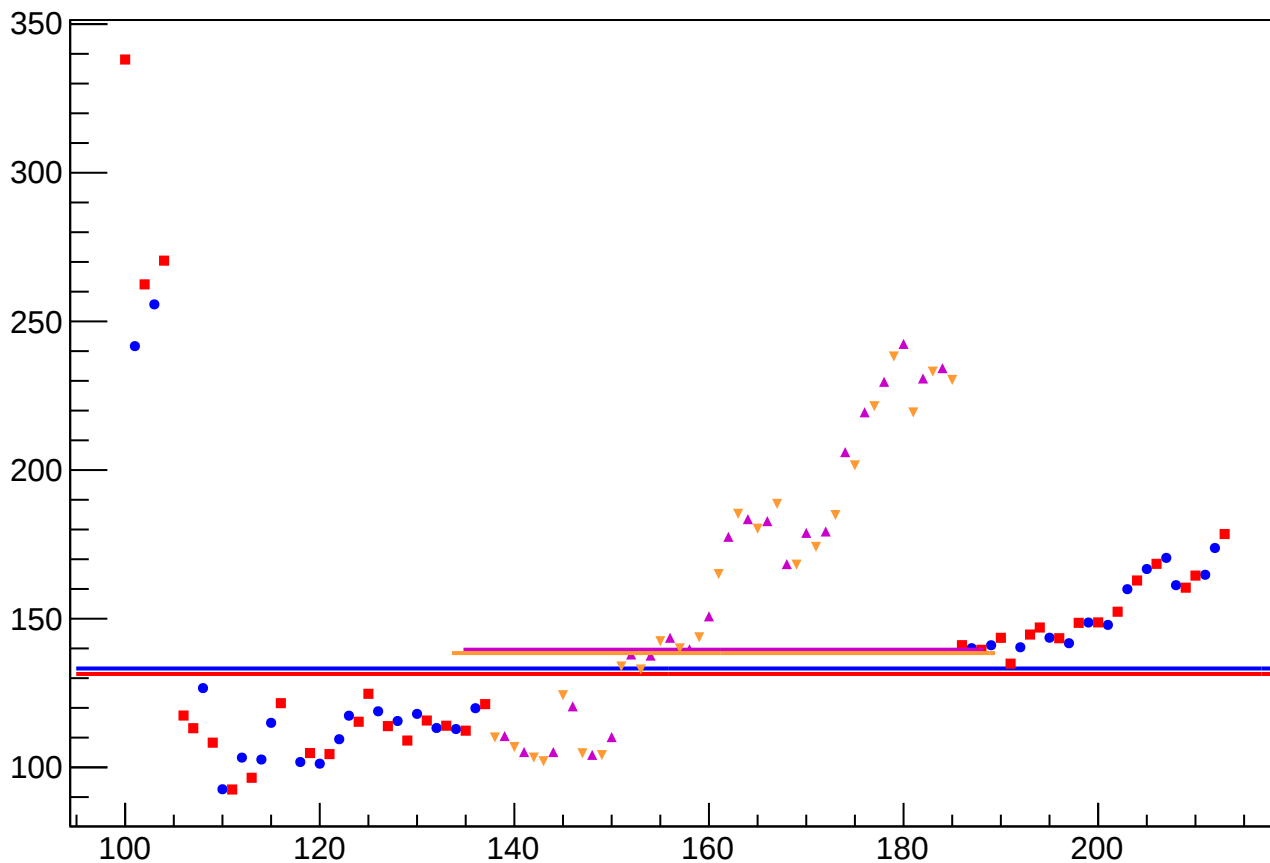
Out: 465.084+/-23.473

χ^2/NDF : 211152.6/58

All: -205.177+/-16.982

χ^2/NDF : 352038.2/111

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 133.251+/-0.024 χ^2/NDF : 1431895.6/29

Left Out: 138.436+/-0.024 χ^2/NDF :2549435.8/24

Right Out: 131.408+/-0.023 χ^2/NDF : 1585555.3/33

Left In: 139.578+/-0.025 χ^2/NDF :2413658.9/22

Left: 138.985+/-0.017 χ^2/NDF : 4964199.7/47

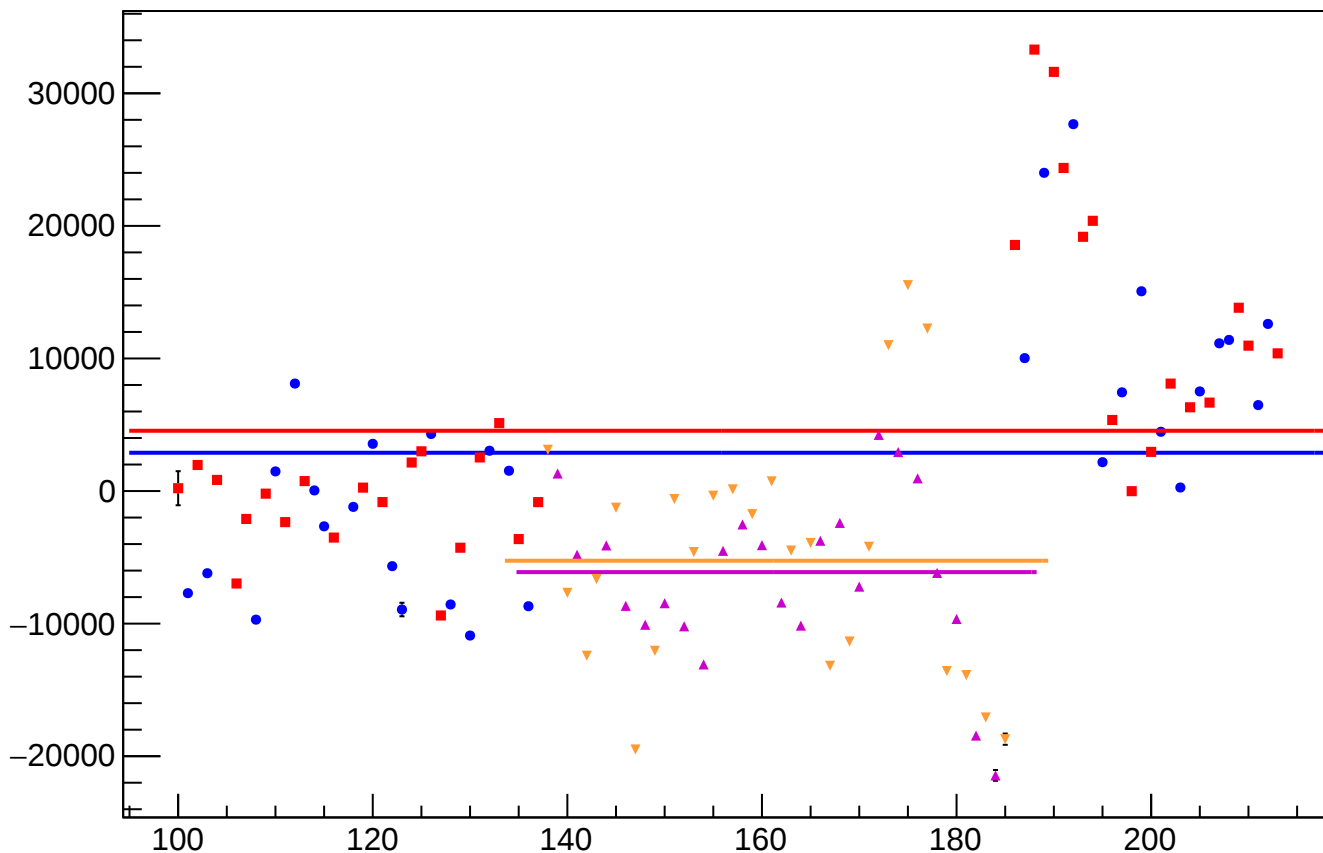
Right: 132.278+/-0.017 χ^2/NDF : 3020449.9/63

In: 136.377+/-0.017 χ^2/NDF :3878623.6/52

Out: 134.817+/-0.017 χ^2/NDF :4179773.7/58

All: 135.560+/-0.012 χ^2/NDF : 8062607.2/111

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 2888.275 $\pm$ 31.004

χ^2/NDF : 89711.0/29

Left: -5664.697 $\pm$ 22.166

χ^2/NDF : 85960.3/47

Left Out: -5255.652 $\pm$ 30.622

χ^2/NDF : 64324.6/24

Right: 3760.355 $\pm$ 21.357

χ^2/NDF : 204949.7/63

Right Out: 4547.836 $\pm$ 29.462

χ^2/NDF : 113733.0/33

In: -1453.421 $\pm$ 22.309

χ^2/NDF : 151636.5/52

Out: -164.703 $\pm$ 21.231

χ^2/NDF : 231282.4/58

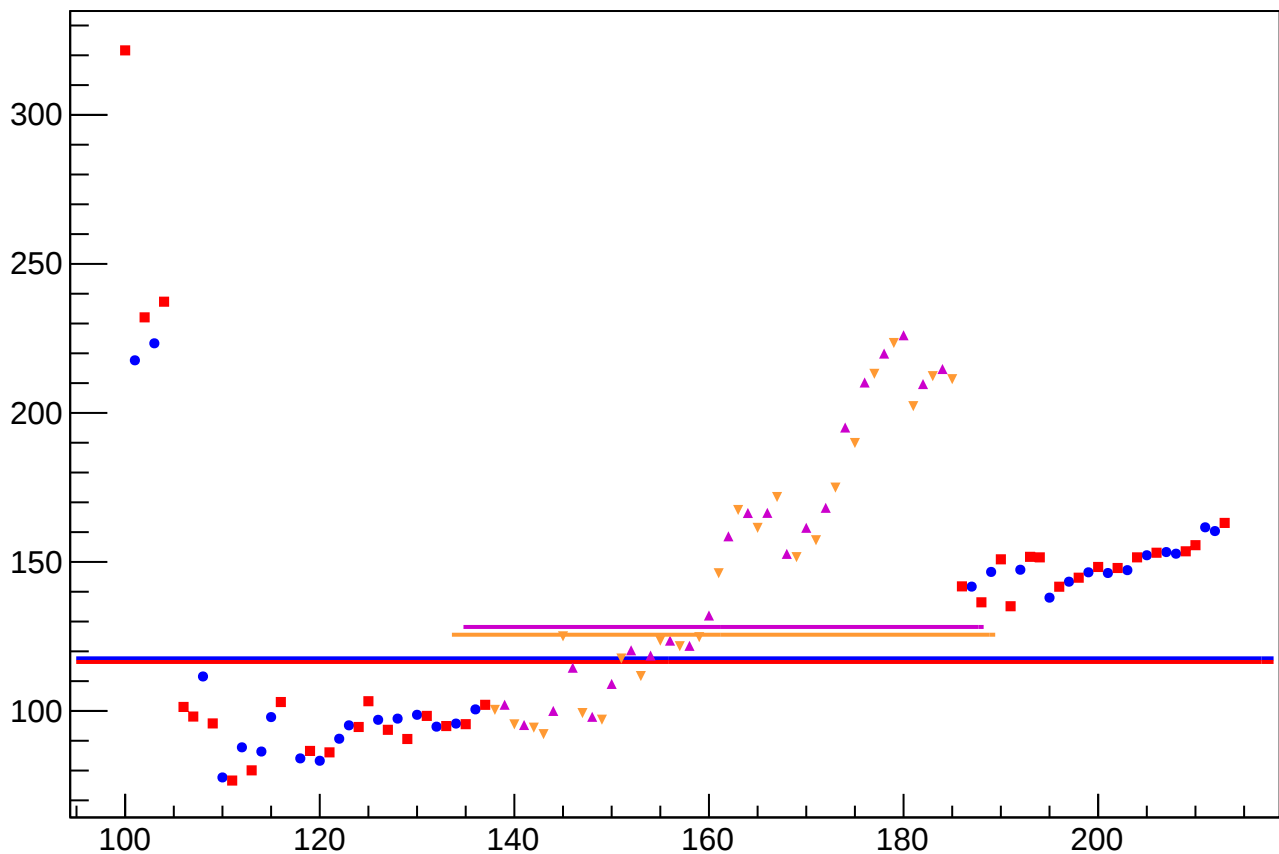
Left In: -6114.901 $\pm$ 32.126

χ^2/NDF : 21260.9/22

All: -777.169 $\pm$ 15.380

χ^2/NDF : 384670.0/11

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 117.651 $\pm$ 0.022 χ^2 /NDF: 2199057.1/29

Left Out: 125.577 $\pm$ 0.022 χ^2 /NDF:2595752.6/24

Right Out: 116.437 $\pm$ 0.021 χ^2 /NDF: 2474336.2/33

Left In: 128.184 $\pm$ 0.023 χ^2 /NDF:2332977.5/22

Left: 126.818 $\pm$ 0.016 χ^2 /NDF: 4935627.6/47

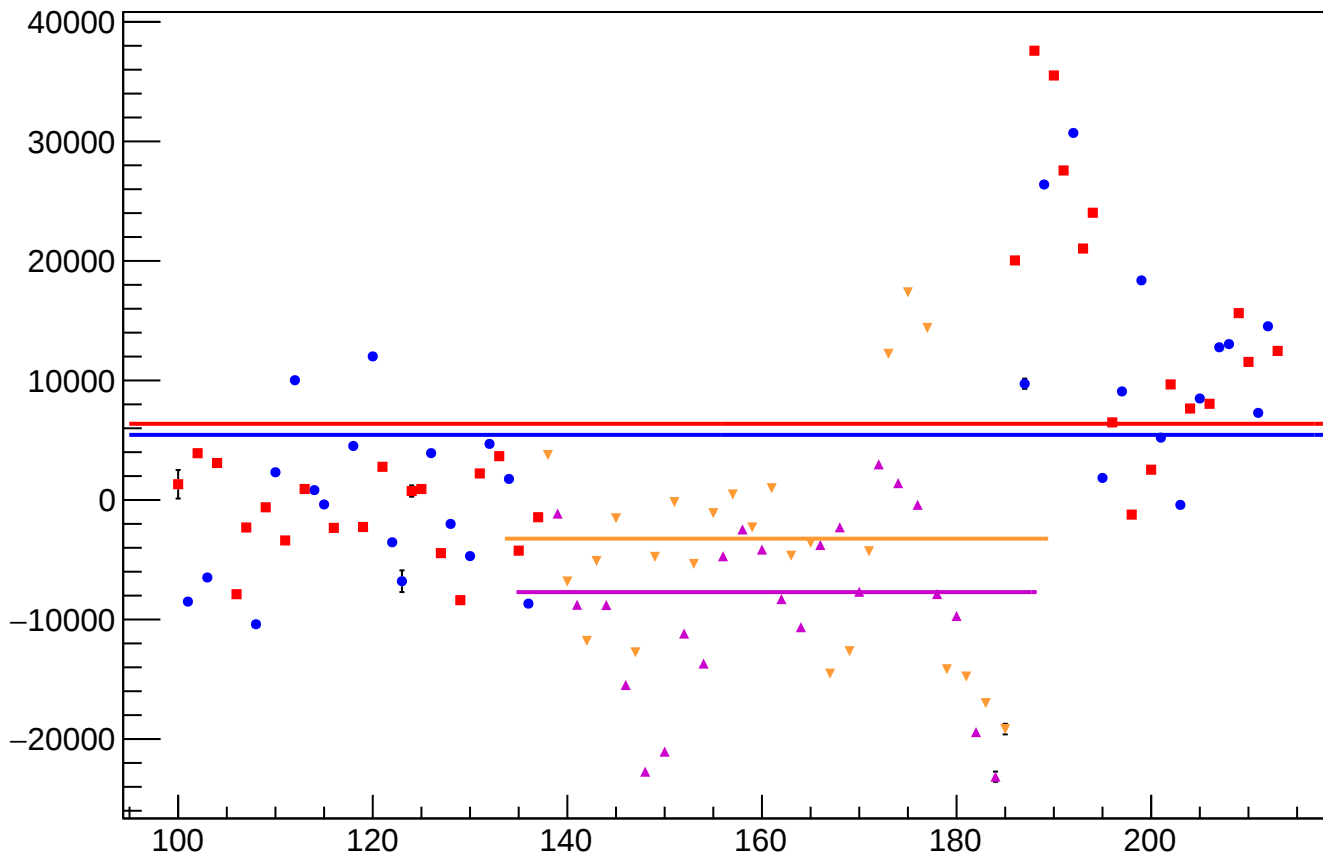
Right: 117.013 $\pm$ 0.015 χ^2 /NDF: 4675005.8/63

In: 122.730 $\pm$ 0.016 χ^2 /NDF:4643334.9/52

Out: 120.831 $\pm$ 0.015 χ^2 /NDF:5162623.3/58

All: 121.734 $\pm$ 0.011 χ^2 /NDF: 9813568.8/111

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 5447.583+/-41.047 χ^2/NDF : 62537.4/29

Left Out: -3234.922+/-40.583 χ^2/NDF : 36739.9/24

Right Out: 6376.236+/-38.871 χ^2/NDF : 93443.9/33

Left In: -7707.068+/-42.990 χ^2/NDF : 21268.3/22

Left: -5342.284+/-29.511 χ^2/NDF : 63730.6/47

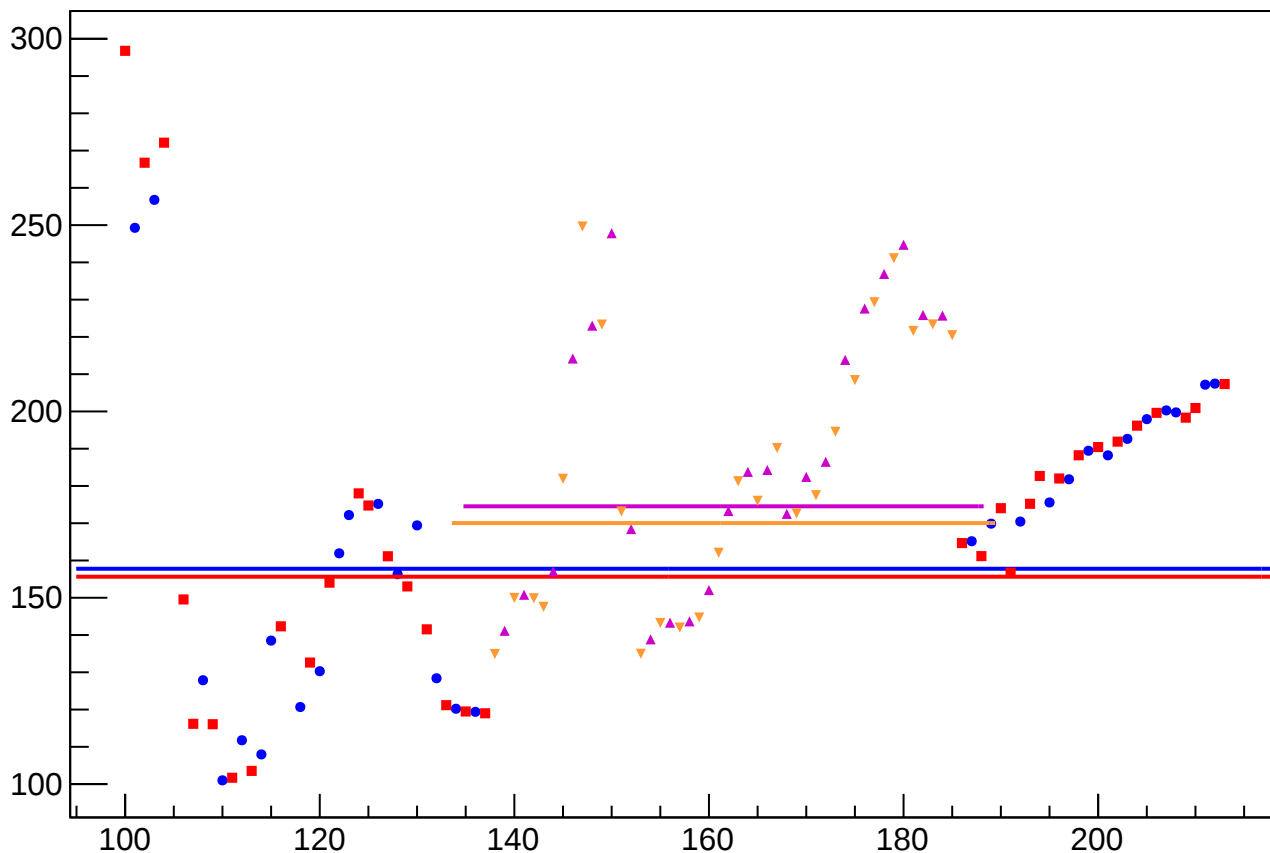
Right: 5937.173+/-28.224 χ^2/NDF : 156251.1/63

In: -825.810+/-29.688 χ^2/NDF : 132785.2/52

Out: 1777.558+/-28.072 χ^2/NDF : 159435.3/58

All: 548.658+/-20.397 χ^2/NDF : 296280.3/111

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 157.786 $\pm$ 0.029 χ^2/NDF : 1717931.1/29

Left Out: 170.050 $\pm$ 0.029 χ^2/NDF :1240866.9/24

Right Out: 155.655 $\pm$ 0.027 χ^2/NDF : 1888899.4/33

Left In: 174.539 $\pm$ 0.030 χ^2/NDF :1210071.2/22

Left: 172.165 $\pm$ 0.021 χ^2/NDF : 2462472.2/47

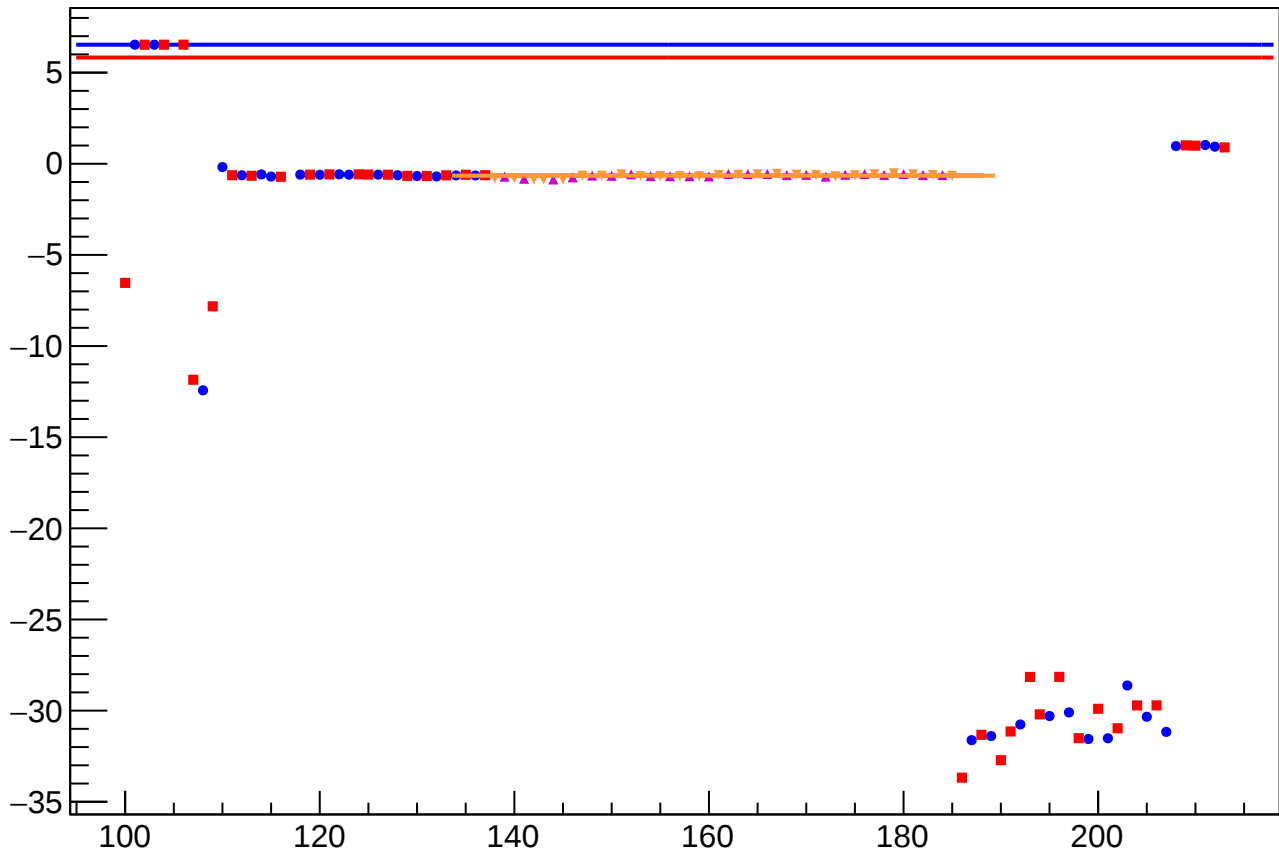
Right: 156.663 $\pm$ 0.020 χ^2/NDF : 3609673.5/63

In: 165.776 $\pm$ 0.021 χ^2/NDF :3086881.4/52

Out: 162.542 $\pm$ 0.020 χ^2/NDF :3260997.1/58

All: 164.069 $\pm$ 0.014 χ^2/NDF : 6360403.2/111

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 133635781401.3/29

Left Out: -0.654+/-0.000 χ^2/NDF : 179109810.4/24

Right Out: 5.827+/-0.000 χ^2/NDF : 755951738191681.8/33

Left In: -0.644+/-0.000 χ^2/NDF : 122913584.0/22

Left: -0.649+/-0.000 χ^2/NDF : 302910331.9/47

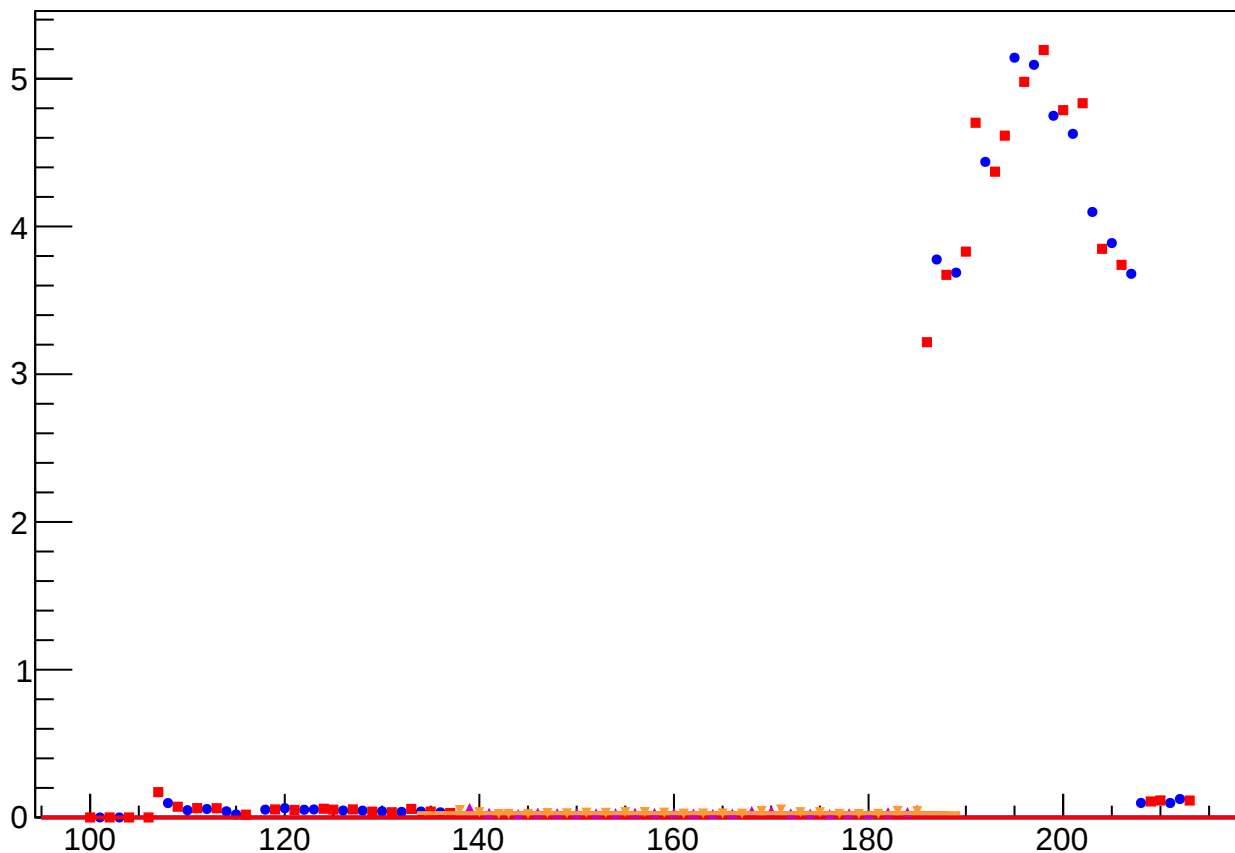
Right: 6.155+/-0.000 χ^2/NDF : 776088348007722.1/47

In: 6.530+/-0.000 χ^2/NDF : 958980103726.4/52

Out: 5.826+/-0.000 χ^2/NDF : 756660764836643.2/52

All: 6.153+/-0.000 χ^2/NDF : 77761171283399.9/99

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 26969817.9/29

Left Out: 0.029+/-0.000 χ^2/NDF :1487017.7/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29049862.2/33

Left In: 0.029+/-0.000 χ^2/NDF :1164030.9/22

Left: 0.029+/-0.000 χ^2/NDF : 2651180.7/47

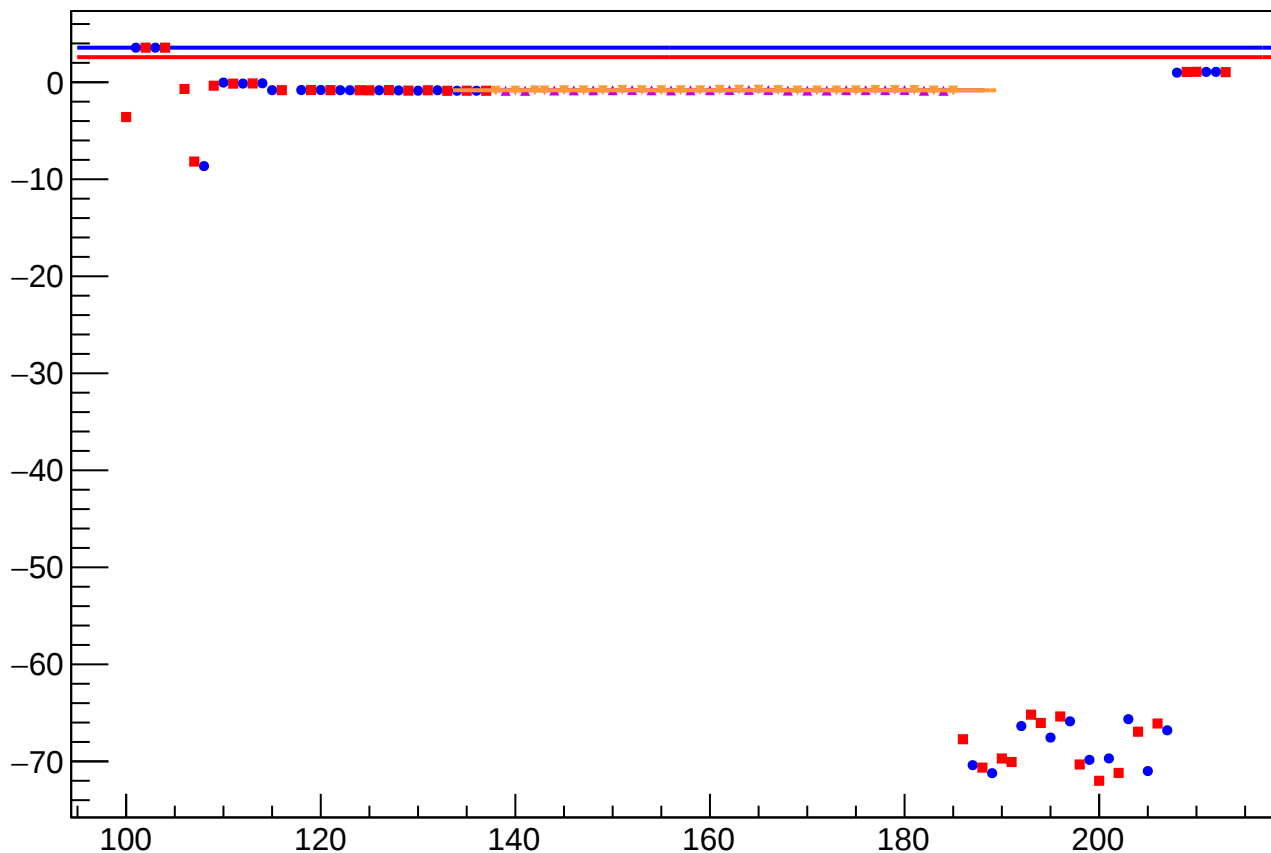
Right: 0.000+/-0.000 χ^2/NDF : 56019942.0/63

In: 0.000+/-0.000 χ^2/NDF :54931018.7/52

Out: 0.000+/-0.000 χ^2/NDF :58925110.4/58

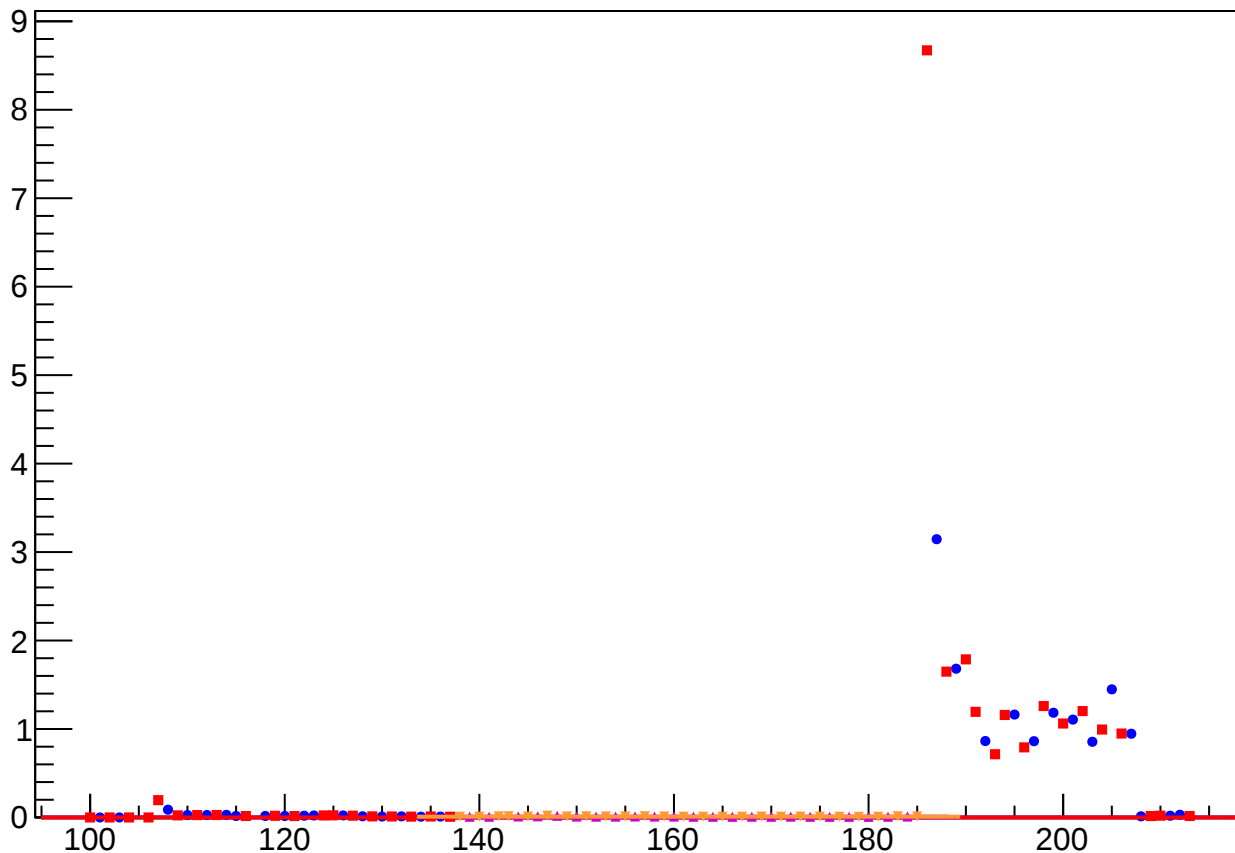
All: 0.000+/-0.000 χ^2/NDF : 113856560.1/111

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000	χ^2/NDF : 544004847606.1/29	Left: -0.827+/-0.000	χ^2/NDF : 340927693.4/47
Left Out: -0.828+/-0.000	χ^2/NDF : 168178464.8/24	Right: 3.040+/-0.000	χ^2/NDF : 1382362773540704.1
Right Out: 2.583+/-0.000	χ^2/NDF : 1253549061871063.8/33	In: 3.560+/-0.000	χ^2/NDF : 4189671070580.1/52
Left In: -0.827+/-0.000	χ^2/NDF : 172640246.1/22	Out: 2.581+/-0.000	χ^2/NDF : 1255771347093987.8
		All: 3.038+/-0.000	χ^2/NDF : 13880491181380.1

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 24785366.6/29

Left Out: 0.009+/-0.000 χ^2/NDF :1454710.9/24

Right Out: 0.000+/-0.000 χ^2/NDF : 26942214.3/33

Left In: 0.009+/-0.000 χ^2/NDF :1041524.9/22

Left: 0.009+/-0.000 χ^2/NDF : 2502231.5/47

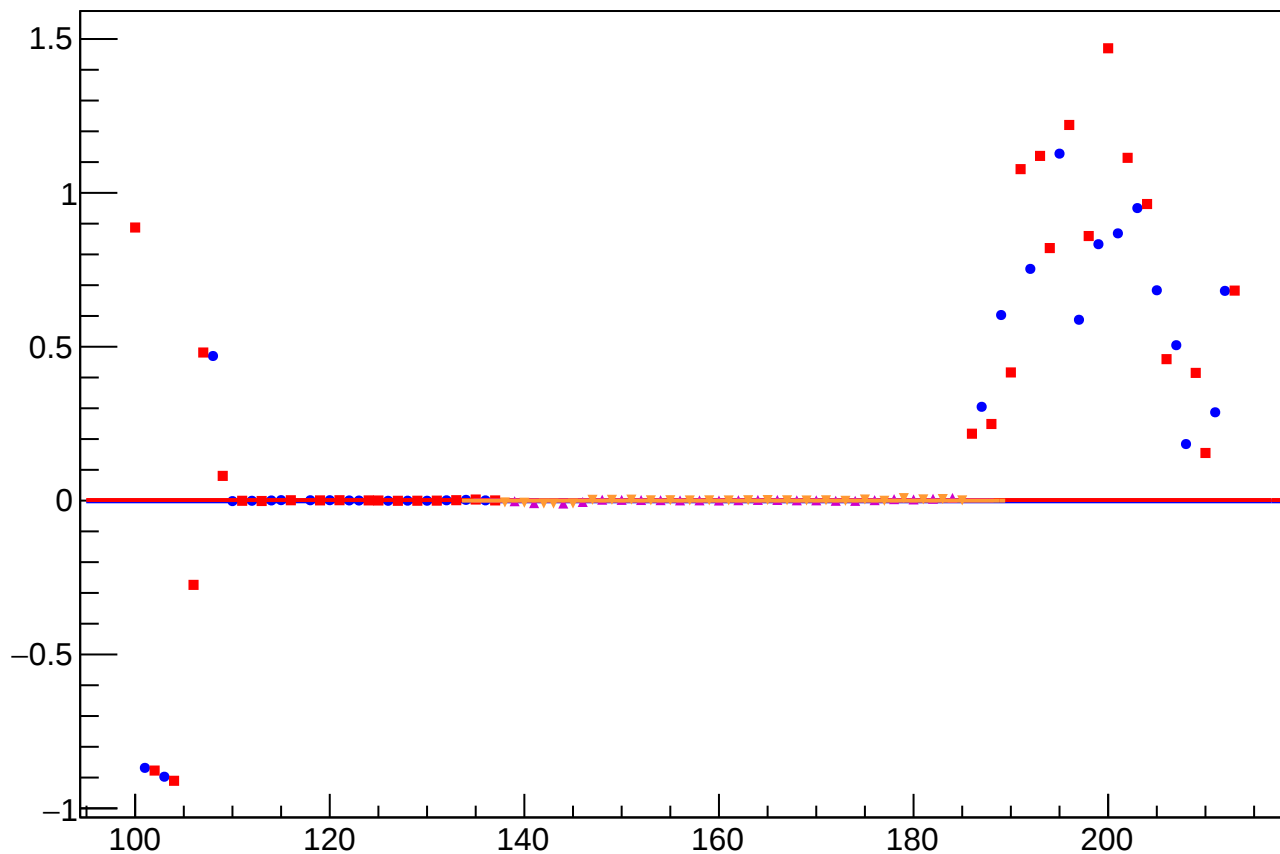
Right: 0.000+/-0.000 χ^2/NDF : 51727840.4/63

In: 0.000+/-0.000 χ^2/NDF :54319078.9/52

Out: 0.000+/-0.000 χ^2/NDF :58358141.4/58

All: 0.000+/-0.000 χ^2/NDF : 112677939.2/111

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000

χ^2/NDF : 9797160328.4/29

Left Out: -0.000+/-0.000

χ^2/NDF : 151482851.1/24

Right Out: 0.002+/-0.000

χ^2/NDF : 3043746940.9/33

Left In: 0.001+/-0.000

χ^2/NDF : 101439617.3/22

Left: 0.000+/-0.000 χ^2/NDF : 254436385.6/47

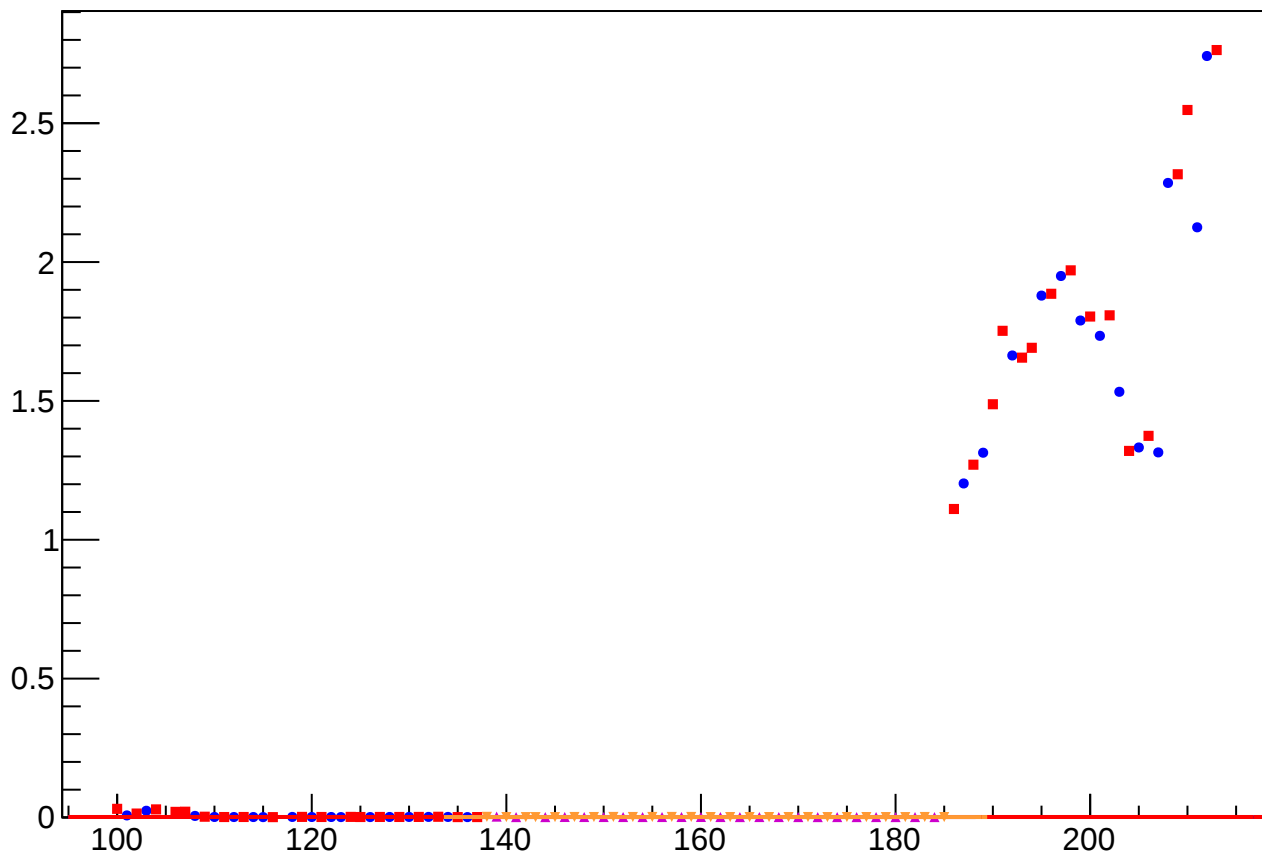
Right: -0.000+/-0.000 χ^2/NDF : 12854676625.6/63

In: -0.000+/-0.000 χ^2/NDF : 9909609769.8/52

Out: 0.000+/-0.000 χ^2/NDF : 3199964213.7/58

All: 0.000+/-0.000 χ^2/NDF : 13109911008.7/131

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 19854351.9/29

Left Out: 0.001+/-0.000 χ^2/NDF : 539817.3/24

Right Out: 0.002+/-0.000 χ^2/NDF : 22698185.4/33

Left In: 0.001+/-0.000 χ^2/NDF : 626044.8/22

Left: 0.001+/-0.000 χ^2/NDF : 1169603.9/47

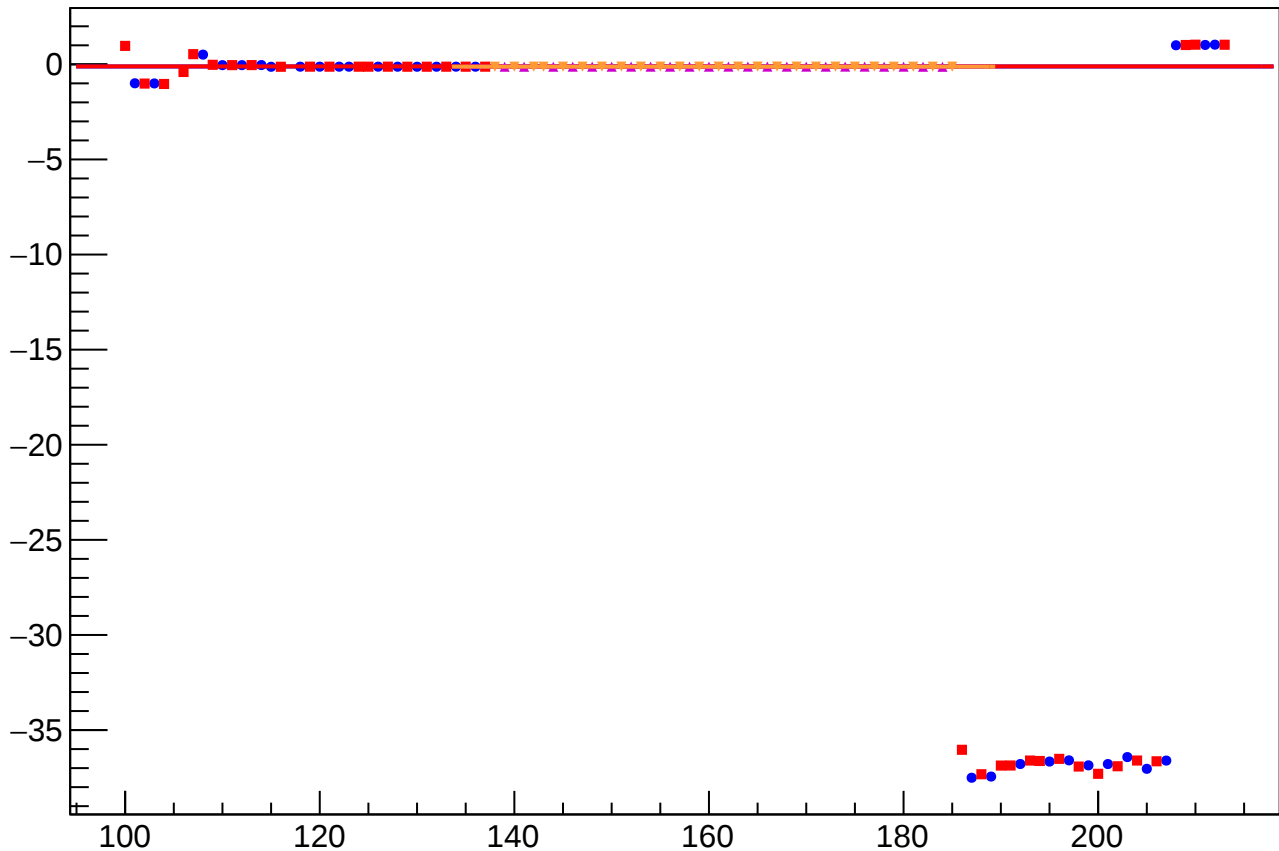
Right: 0.002+/-0.000 χ^2/NDF : 42561066.2/63

In: 0.002+/-0.000 χ^2/NDF : 20532586.3/52

Out: 0.002+/-0.000 χ^2/NDF : 23377880.0/58

All: 0.002+/-0.000 χ^2/NDF : 43911379.6/111

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.113+/-0.000 χ^2/NDF : 82600291239.0/29

Left Out: -0.121+/-0.000 χ^2/NDF : 58120109.3/24

Right Out: -0.107+/-0.000 χ^2/NDF : 87770981460.9/33

Left In: -0.121+/-0.000 χ^2/NDF : 52113932.9/22

Left: -0.121+/-0.000 χ^2/NDF : 110482905.6/47

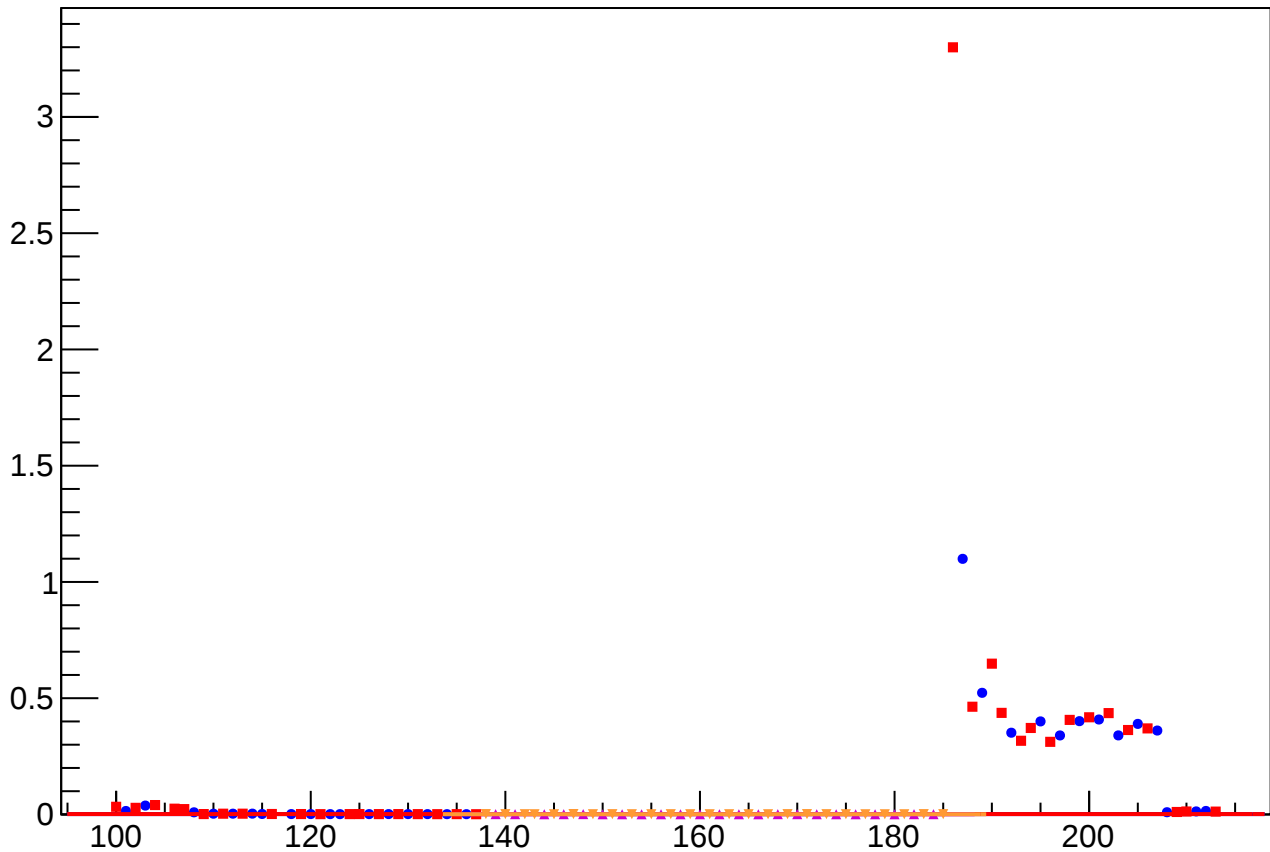
Right: -0.110+/-0.000 χ^2/NDF : 170404716010.5/63

In: -0.120+/-0.000 χ^2/NDF : 82751051370.4/52

Out: -0.120+/-0.000 χ^2/NDF : 88151560104.2/58

All: -0.120+/-0.000 χ^2/NDF : 170903918327.4

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 19168096.2/29

Left Out: 0.001+/-0.000 χ^2/NDF :1363316.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 21615882.4/33

Left In: 0.001+/-0.000 χ^2/NDF :970801.8/22

Left: 0.001+/-0.000 χ^2/NDF : 2335161.7/47

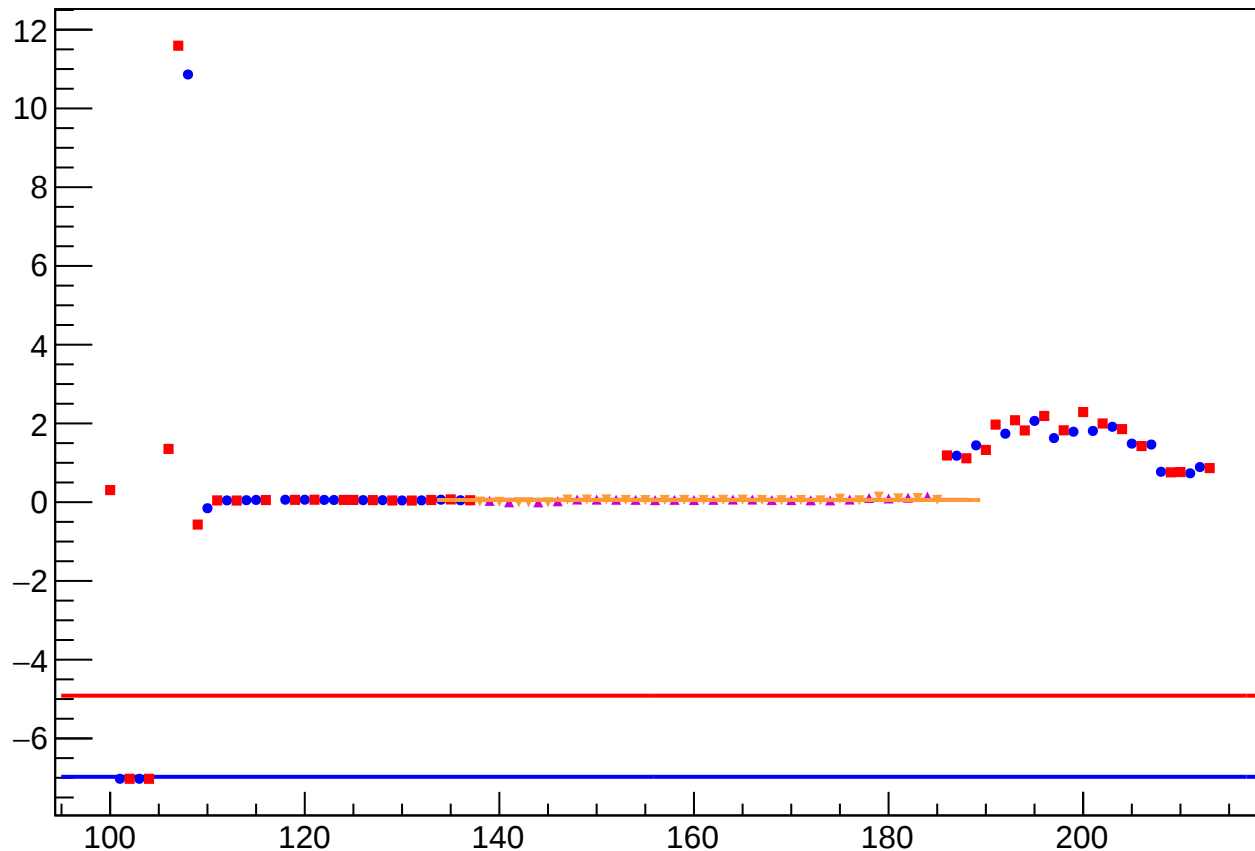
Right: 0.002+/-0.000 χ^2/NDF : 40783978.9/63

In: 0.001+/-0.000 χ^2/NDF :21632071.8/52

Out: 0.001+/-0.000 χ^2/NDF :24515216.2/58

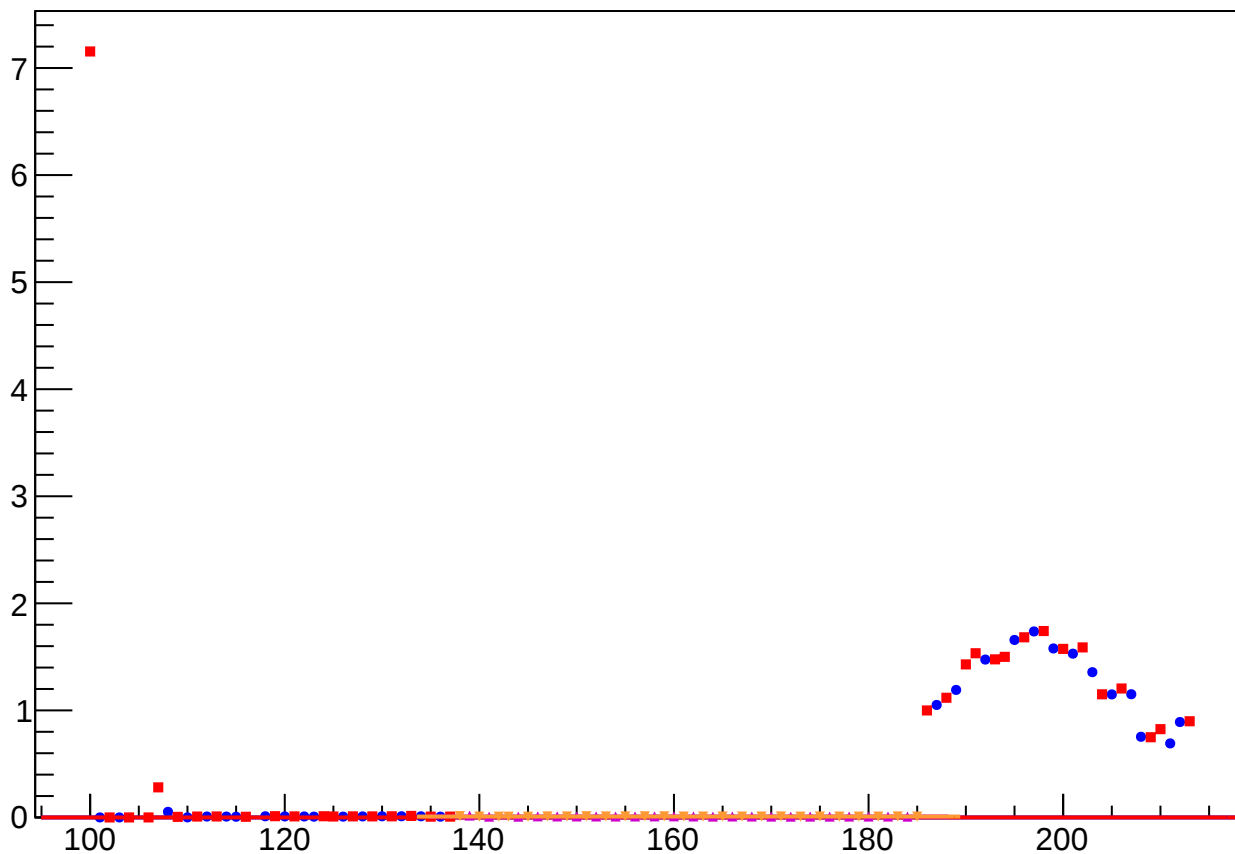
All: 0.001+/-0.000 χ^2/NDF : 46149725.9/111

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8797838148190.4/29$ Left: 0.057 ± 0.000 $\chi^2/\text{NDF}: 423736513.4/47$
 Left Out: 0.055 ± 0.000 $\chi^2/\text{NDF}: 243682351.4/24$ Right: -5.900 ± 0.000 $\chi^2/\text{NDF}: 430334008863097.8$
 Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365352939436107.6/33$ In: -6.926 ± 0.000 $\chi^2/\text{NDF}: 17553352890310.2/52$
 Left In: 0.059 ± 0.000 $\chi^2/\text{NDF}: 178541521.9/22$ Out: -4.879 ± 0.000 $\chi^2/\text{NDF}: 370165501025028.1/33$
 All: -5.858 ± 0.000 $\chi^2/\text{NDF}: 4435292947267.0/100$

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 26308492.1/29

Left Out: 0.009+/-0.000 χ^2/NDF : 514432.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 28485107.5/33

Left In: 0.009+/-0.000 χ^2/NDF : 602517.2/22

Left: 0.009+/-0.000 χ^2/NDF : 1122225.0/47

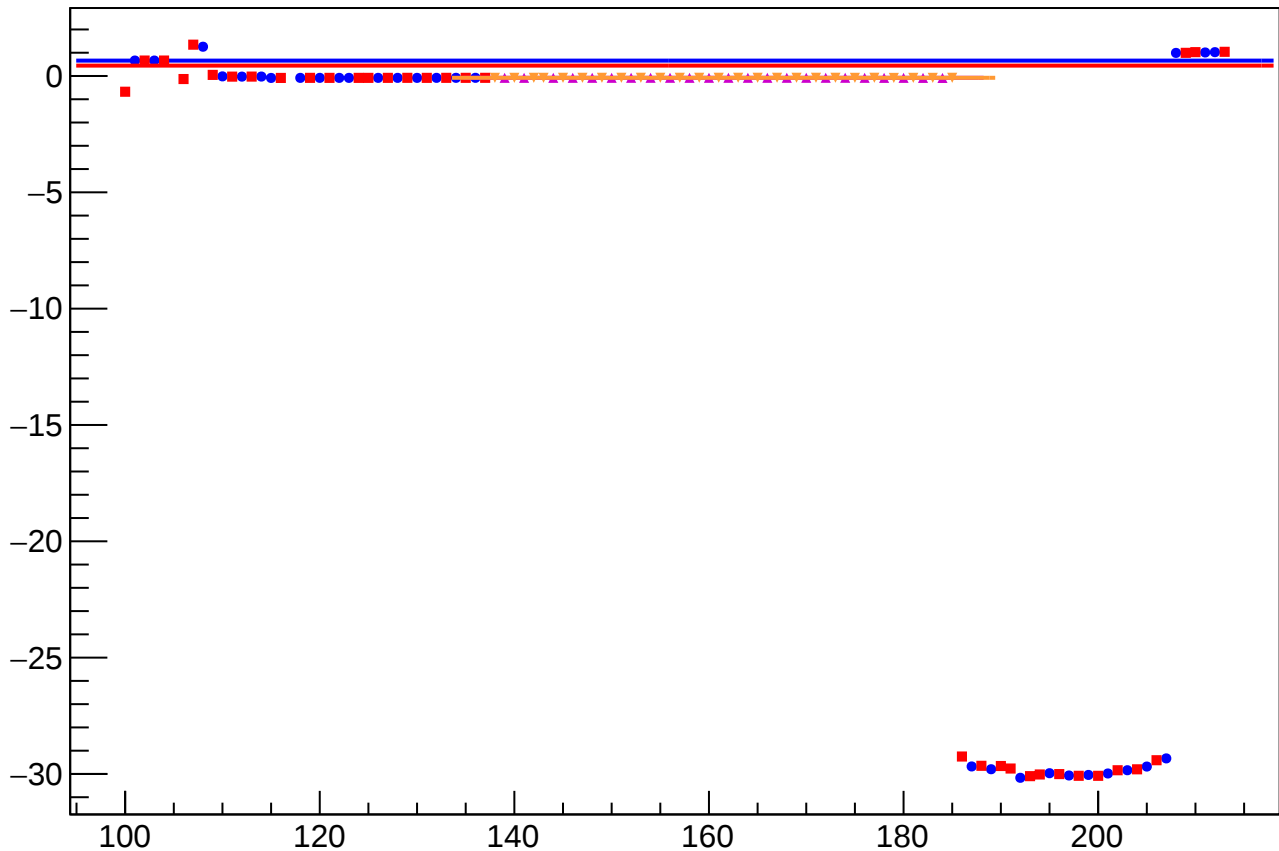
Right: 0.000+/-0.000 χ^2/NDF : 54793951.6/63

In: 0.000+/-0.000 χ^2/NDF : 53725619.8/52

Out: 0.000+/-0.000 χ^2/NDF : 57428450.3/58

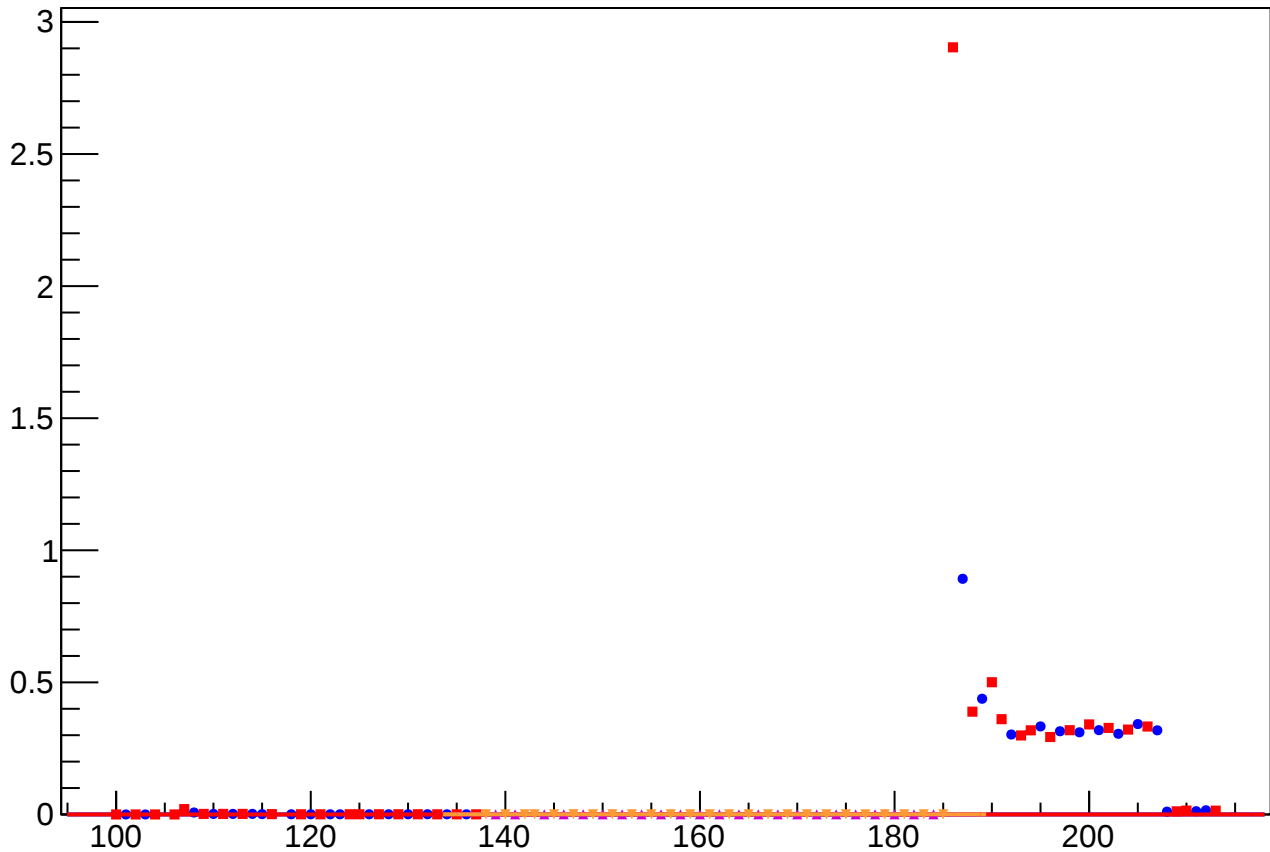
All: 0.000+/-0.000 χ^2/NDF : 111154539.4/111

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000	χ^2/NDF : 5720741655909.1/29	Left: -0.078+/-0.000	χ^2/NDF : 267206251.1/47
Left Out: -0.078+/-0.000	χ^2/NDF : 156404795.7/24	Right: 0.549+/-0.000	χ^2/NDF : 474128192491880.2
Right Out: 0.446+/-0.000	χ^2/NDF : 405494269861149.1/33	In: 0.647+/-0.000	χ^2/NDF : 33761550271498.4/52
Left In: -0.077+/-0.000	χ^2/NDF : 110762924.1/22	Out: 0.436+/-0.000	χ^2/NDF : 420655482557735.9/5
		All: 0.537+/-0.000	χ^2/NDF : 51597285575238

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 27692873.7/29

Left Out: 0.001+/-0.000 χ^2/NDF : 465981.8/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29048800.9/33

Left In: 0.001+/-0.000 χ^2/NDF : 355509.7/22

Left: 0.001+/-0.000 χ^2/NDF : 822503.5/47

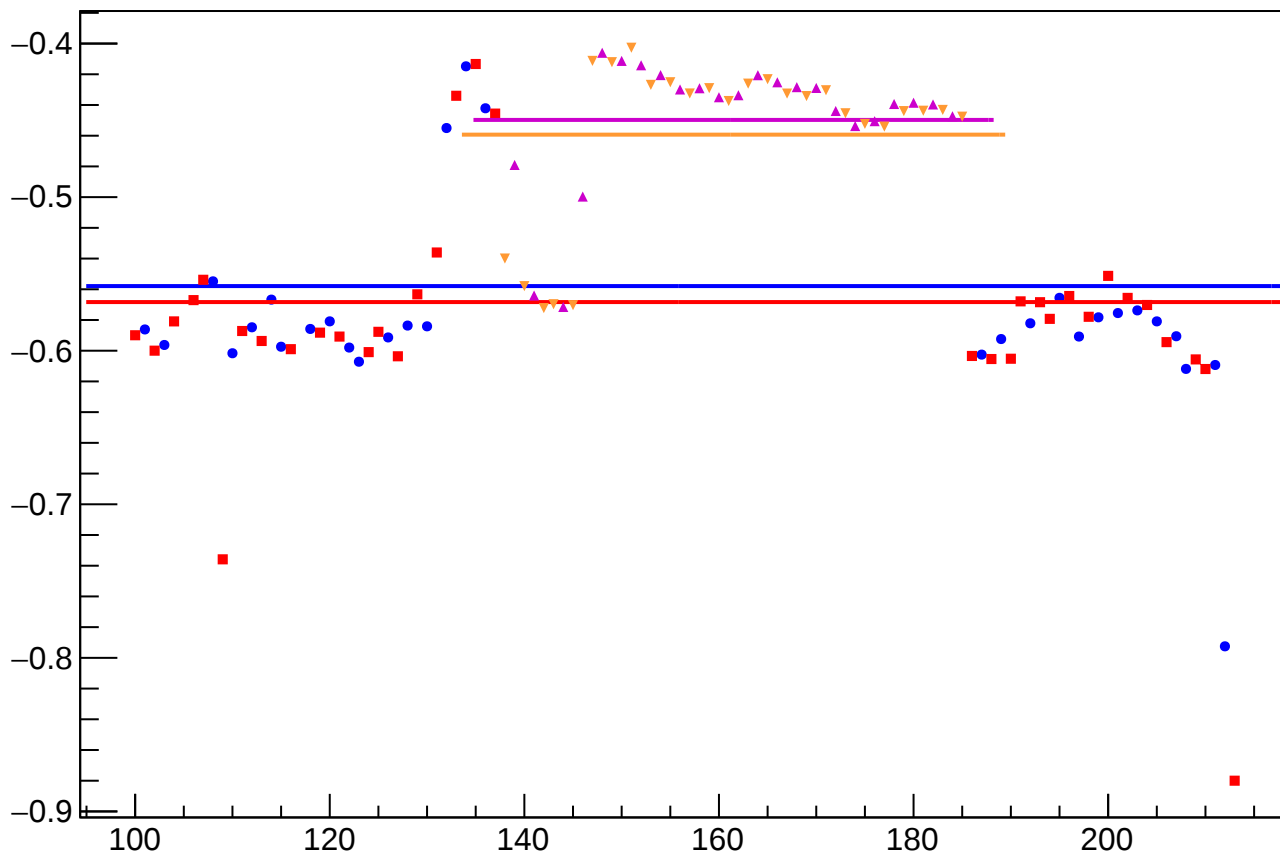
Right: 0.000+/-0.000 χ^2/NDF : 56741693.1/63

In: 0.000+/-0.000 χ^2/NDF : 58418356.8/52

Out: 0.000+/-0.000 χ^2/NDF : 61663444.2/58

All: 0.000+/-0.000 χ^2/NDF : 120082149.2/111

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.558 $\pm$ 0.000 χ^2 /NDF: 63411410.4/29

Left Out: -0.459 $\pm$ 0.000 χ^2 /NDF:113602161.0/24

Right Out: -0.568 $\pm$ 0.000 χ^2 /NDF: 88888204.3/33

Left In: -0.450 $\pm$ 0.000 χ^2 /NDF:76117957.8/22

Left: -0.455 $\pm$ 0.000 χ^2 /NDF: 191493218.8/47

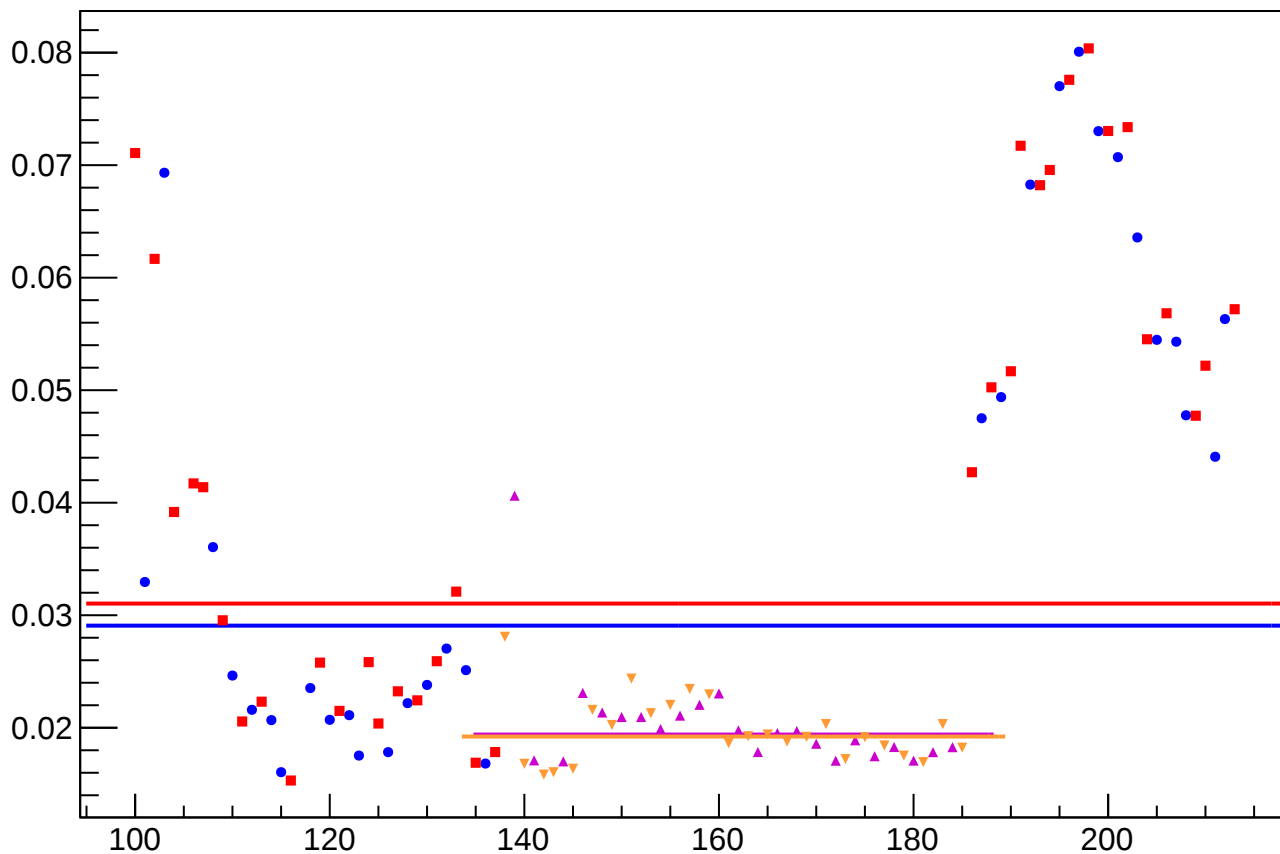
Right: -0.563 $\pm$ 0.000 χ^2 /NDF: 152996857.5/63

In: -0.478 $\pm$ 0.000 χ^2 /NDF:252929404.9/52

Out: -0.485 $\pm$ 0.000 χ^2 /NDF:316637957.5/58

All: -0.482 $\pm$ 0.000 χ^2 /NDF: 570976423.4/111

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF : 6955478.1/29

Left Out: 0.019+/-0.000 χ^2/NDF : 501711.6/24

Right Out: 0.031+/-0.000 χ^2/NDF : 7178050.8/33

Left In: 0.019+/-0.000 χ^2/NDF : 626443.5/22

Left: 0.019+/-0.000 χ^2/NDF : 1129330.7/47

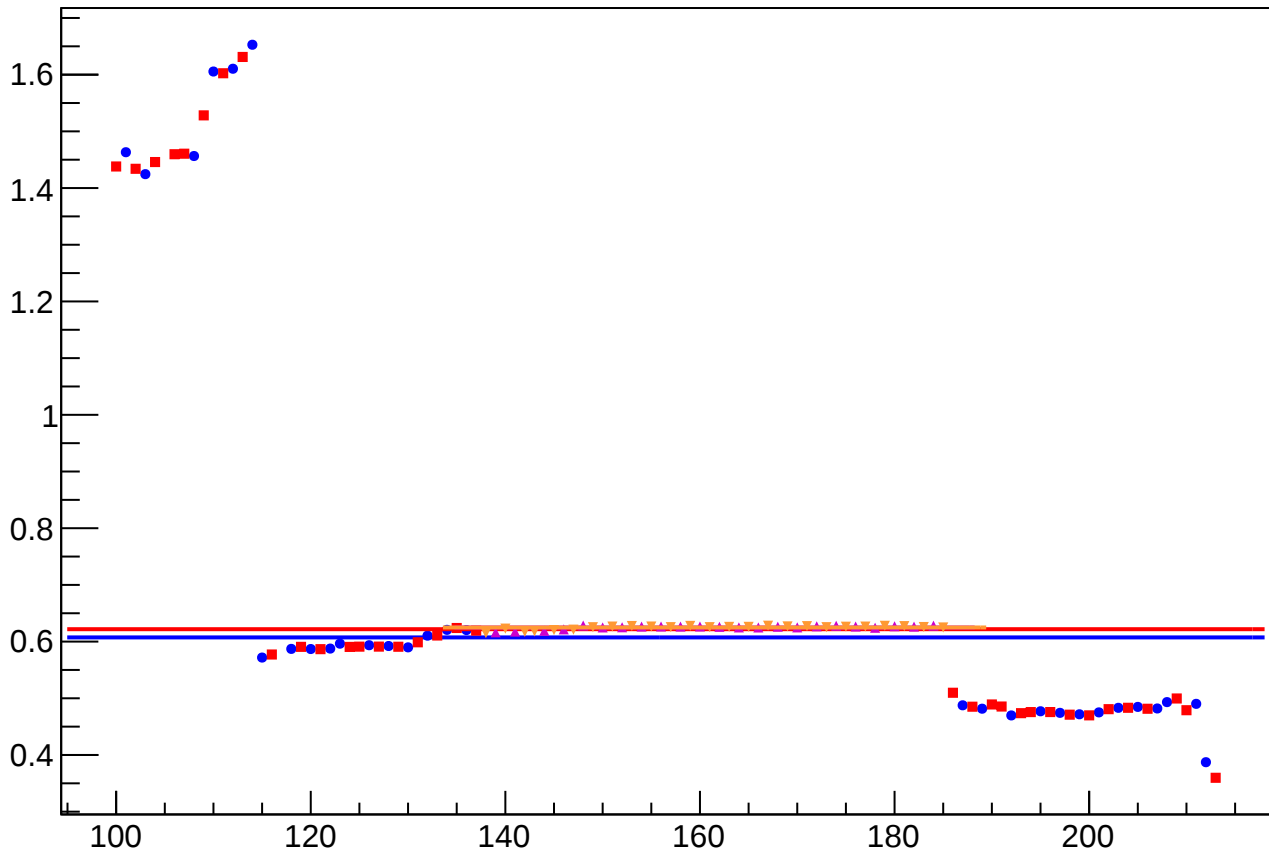
Right: 0.030+/-0.000 χ^2/NDF : 14183114.4/63

In: 0.022+/-0.000 χ^2/NDF : 9397290.8/52

Out: 0.022+/-0.000 χ^2/NDF : 10362541.9/58

All: 0.022+/-0.000 χ^2/NDF : 19760615.0/111

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.607 $\pm$ 0.000 χ^2 /NDF: 5214636269.0/29

Left Out: 0.625 $\pm$ 0.000 χ^2 /NDF:1445169.1/24

Right Out: 0.622 $\pm$ 0.000 χ^2 /NDF: 6321067552.2/33

Left In: 0.625 $\pm$ 0.000 χ^2 /NDF:1143954.1/22

Left: 0.625 $\pm$ 0.000 χ^2 /NDF: 2589565.7/47

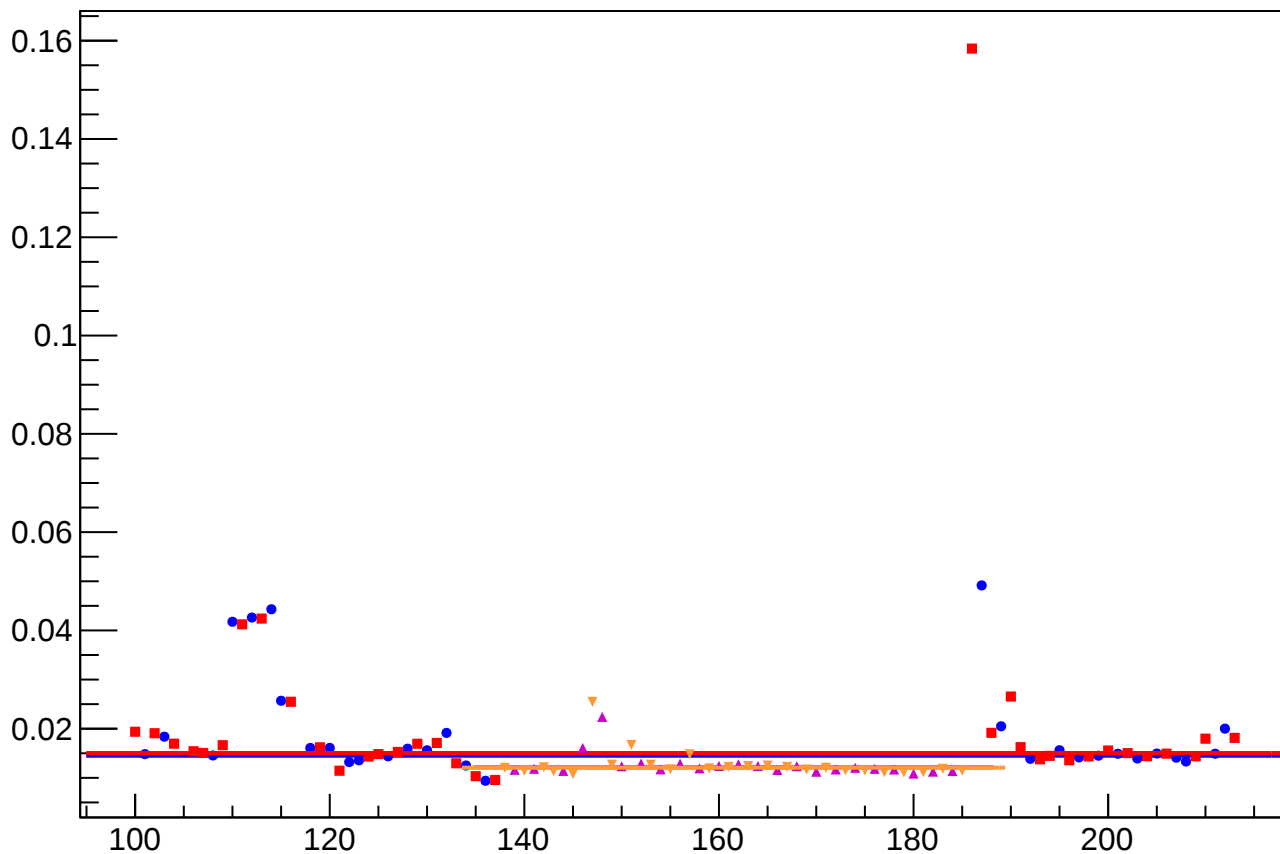
Right: 0.615 $\pm$ 0.000 χ^2 /NDF: 11542842712.2/63

In: 0.618 $\pm$ 0.000 χ^2 /NDF:5228738132.5/52

Out: 0.624 $\pm$ 0.000 χ^2 /NDF:6322911610.0/58

All: 0.621 $\pm$ 0.000 χ^2 /NDF: 11554500363.6/115

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1762189.8/29

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657199.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2162730.5/33

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488363.6/22

Left: 0.012 $\pm$ 0.000 χ^2 /NDF: 1146061.0/47

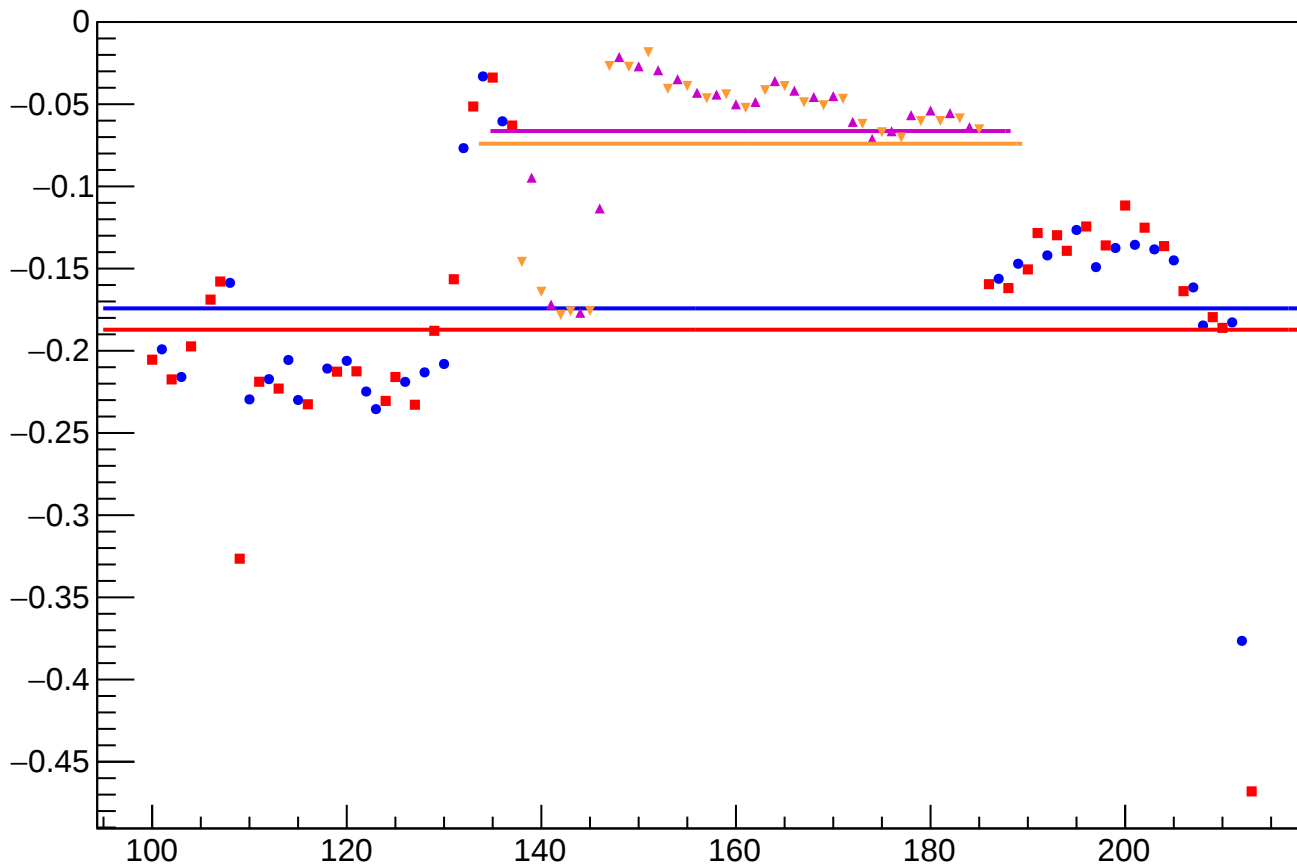
Right: 0.015 $\pm$ 0.000 χ^2 /NDF: 3945357.9/63

In: 0.013 $\pm$ 0.000 χ^2 /NDF: 2728057.5/52

Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 3591781.7/58

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6322254.5/111

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.174+/-0.000 χ^2/NDF : 79267940.9/29

Left Out: -0.074+/-0.000 χ^2/NDF : 107676601.9/24

Right Out: -0.187+/-0.000 χ^2/NDF : 106646484.8/33

Left In: -0.066+/-0.000 χ^2/NDF : 76243051.8/22

Left: -0.070+/-0.000 χ^2/NDF : 185076997.5/47

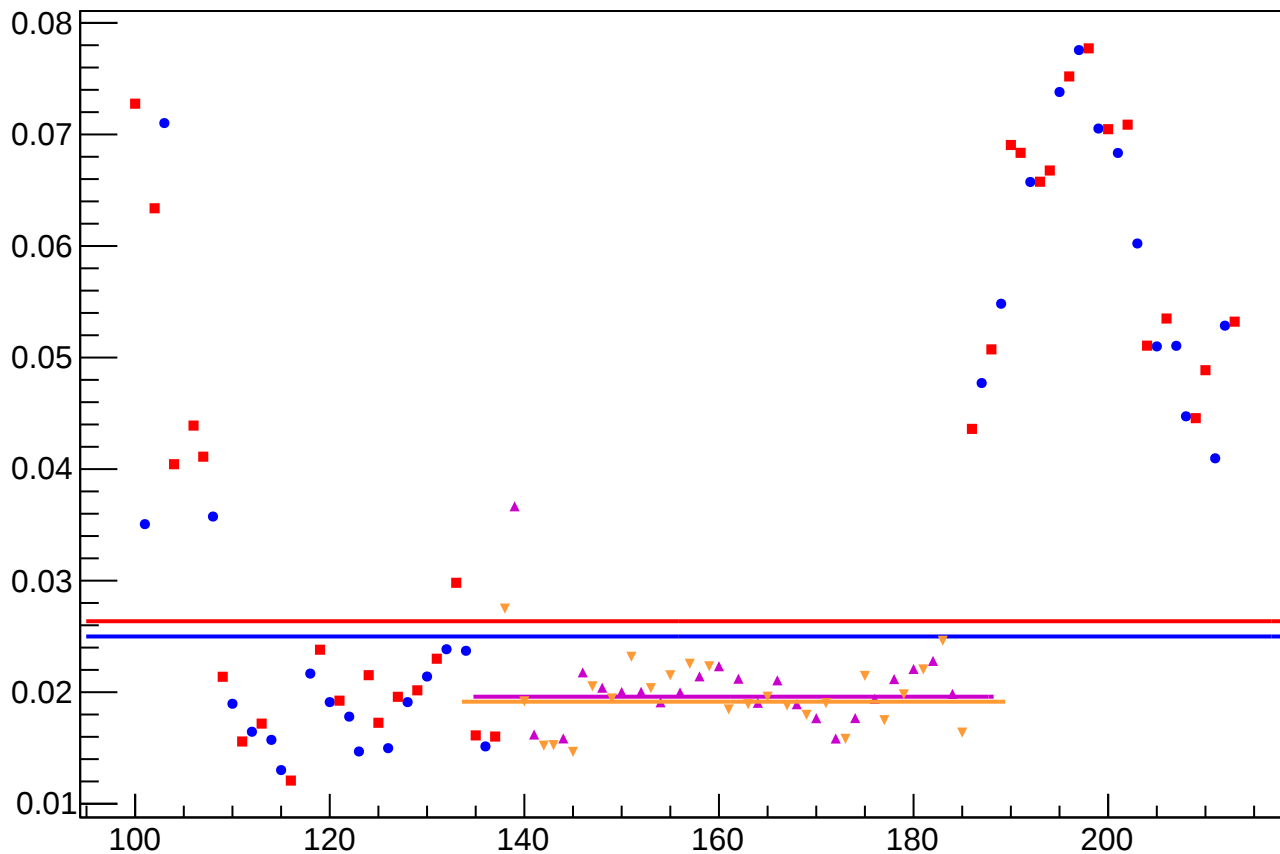
Right: -0.181+/-0.000 χ^2/NDF : 187312330.2/63

In: -0.100+/-0.000 χ^2/NDF : 290259786.1/52

Out: -0.106+/-0.000 χ^2/NDF : 364270480.3/58

All: -0.103+/-0.000 χ^2/NDF : 655628878.4/11

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.025 $\pm$ 0.000 χ^2/NDF : 8138006.1/29

Left Out: 0.019 $\pm$ 0.000 χ^2/NDF : 641277.0/24

Right Out: 0.026 $\pm$ 0.000 χ^2/NDF : 8762430.9/33

Left In: 0.020 $\pm$ 0.000 χ^2/NDF : 623148.2/22

Left: 0.019 $\pm$ 0.000 χ^2/NDF : 1272240.9/47

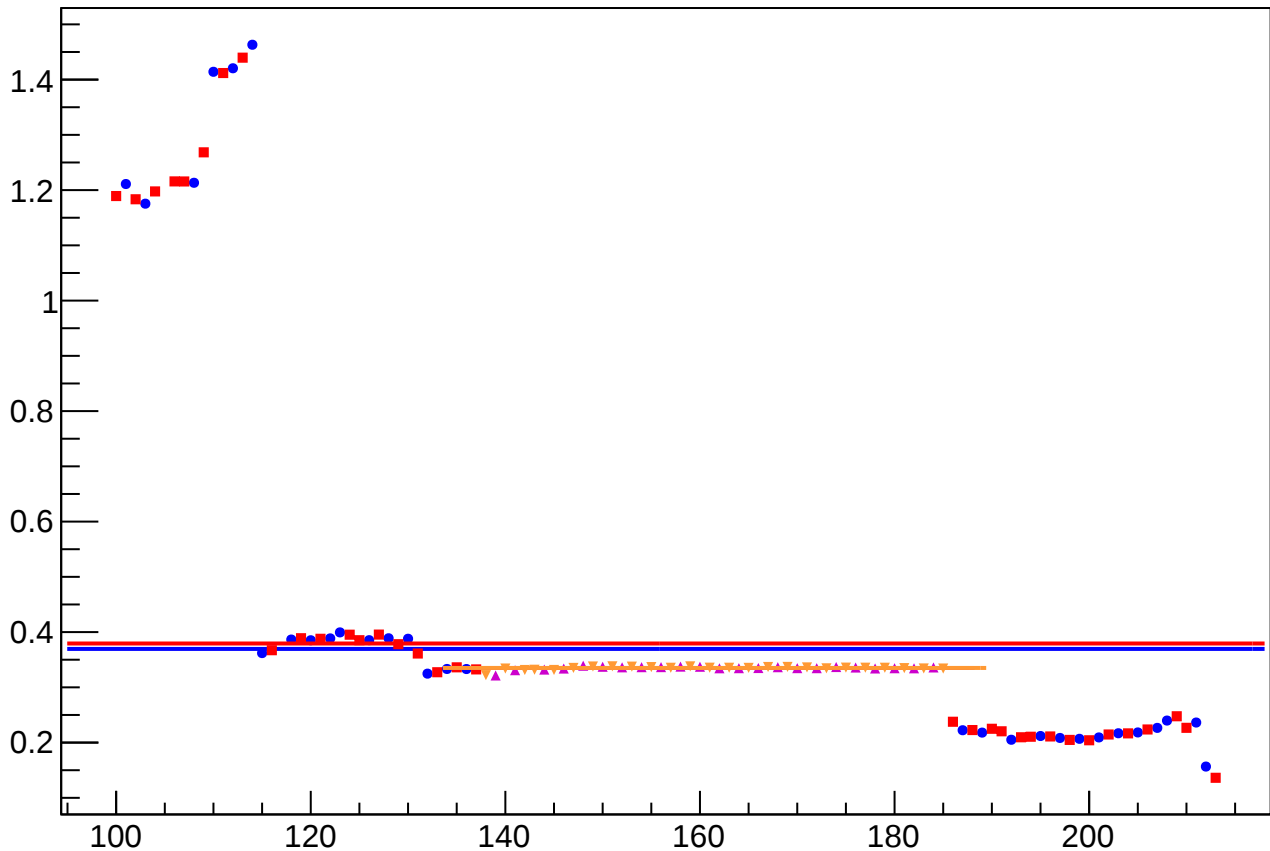
Right: 0.026 $\pm$ 0.000 χ^2/NDF : 16931456.6/63

In: 0.021 $\pm$ 0.000 χ^2/NDF : 9436124.0/52

Out: 0.021 $\pm$ 0.000 χ^2/NDF : 10622449.2/58

All: 0.021 $\pm$ 0.000 χ^2/NDF : 20058902.9/111

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.370+/-0.000 χ^2/NDF : 7658862500.1/29

Left Out: 0.335+/-0.000 χ^2/NDF : 1154310.3/24

Right Out: 0.379+/-0.000 χ^2/NDF : 8819507193.5/33

Left In: 0.335+/-0.000 χ^2/NDF : 1202194.8/22

Left: 0.335+/-0.000 χ^2/NDF : 2356931.1/47

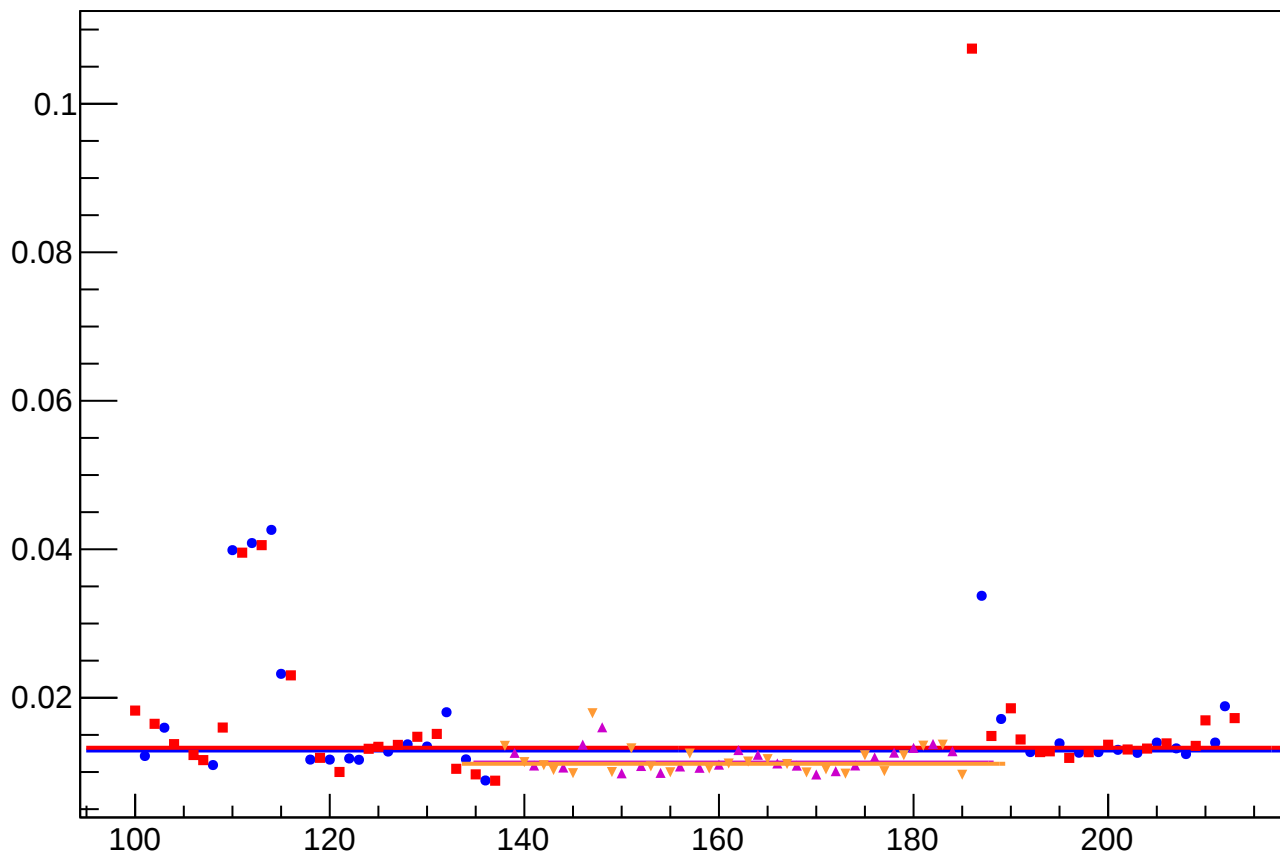
Right: 0.374+/-0.000 χ^2/NDF : 16482524115.2/63

In: 0.349+/-0.000 χ^2/NDF : 7721831832.6/52

Out: 0.352+/-0.000 χ^2/NDF : 8925891240.6/58

All: 0.350+/-0.000 χ^2/NDF : 16648796072.6/115

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF : 1683088.1/29

Left Out: 0.011+/-0.000 χ^2/NDF : 607532.0/24

Right Out: 0.013+/-0.000 χ^2/NDF : 2094321.5/33

Left In: 0.011+/-0.000 χ^2/NDF : 502455.5/22

Left: 0.011+/-0.000 χ^2/NDF : 1113465.5/47

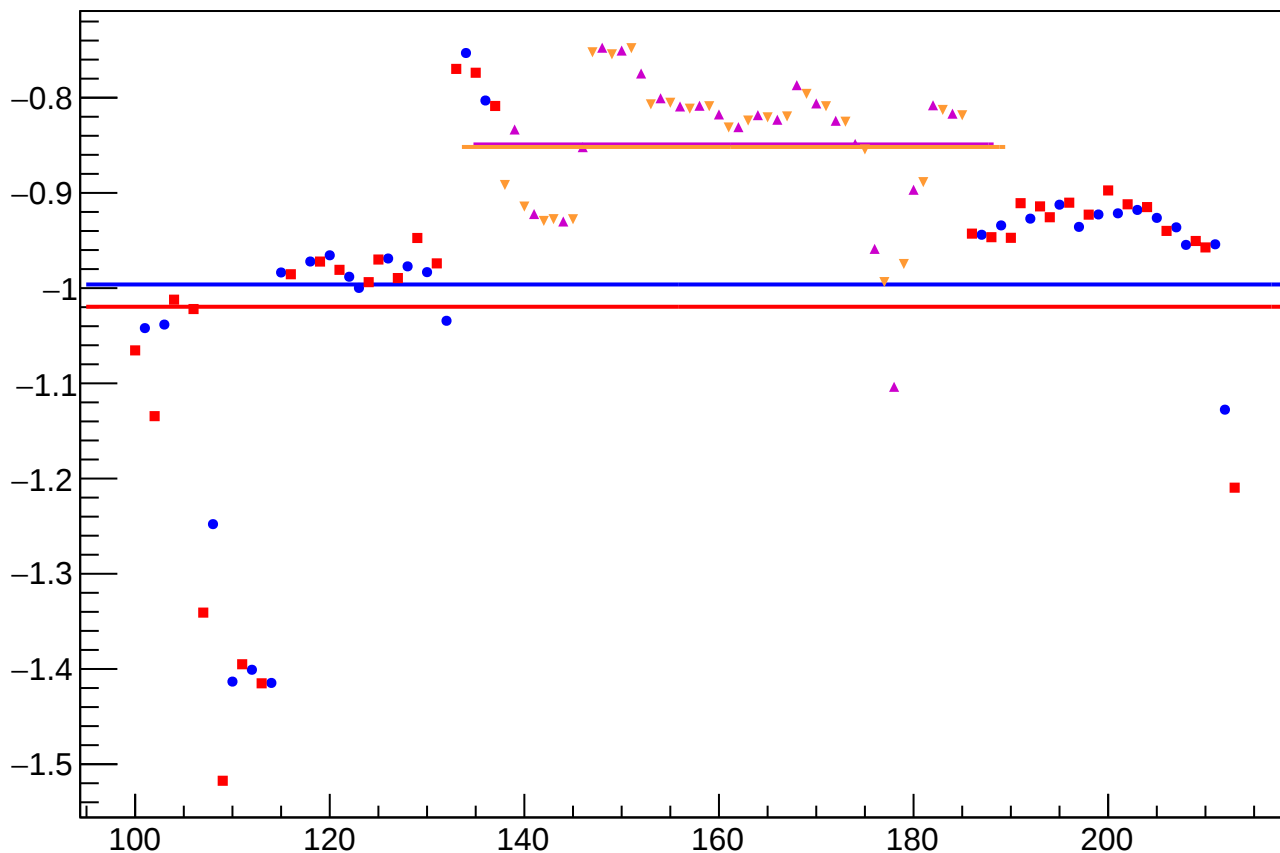
Right: 0.013+/-0.000 χ^2/NDF : 3789263.4/63

In: 0.012+/-0.000 χ^2/NDF : 2459706.1/52

Out: 0.012+/-0.000 χ^2/NDF : 3201969.1/58

All: 0.012+/-0.000 χ^2/NDF : 5661697.4/111

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.996 $\pm$ 0.000 χ^2 /NDF: 409009865.4/29

Left Out: -0.852 $\pm$ 0.000 χ^2 /NDF:189103962.4/24

Right Out: -1.020 $\pm$ 0.000 χ^2 /NDF: 568645599.1/33

Left In: -0.849 $\pm$ 0.000 χ^2 /NDF:256391274.4/22

Left: -0.850 $\pm$ 0.000 χ^2 /NDF: 445636655.2/47

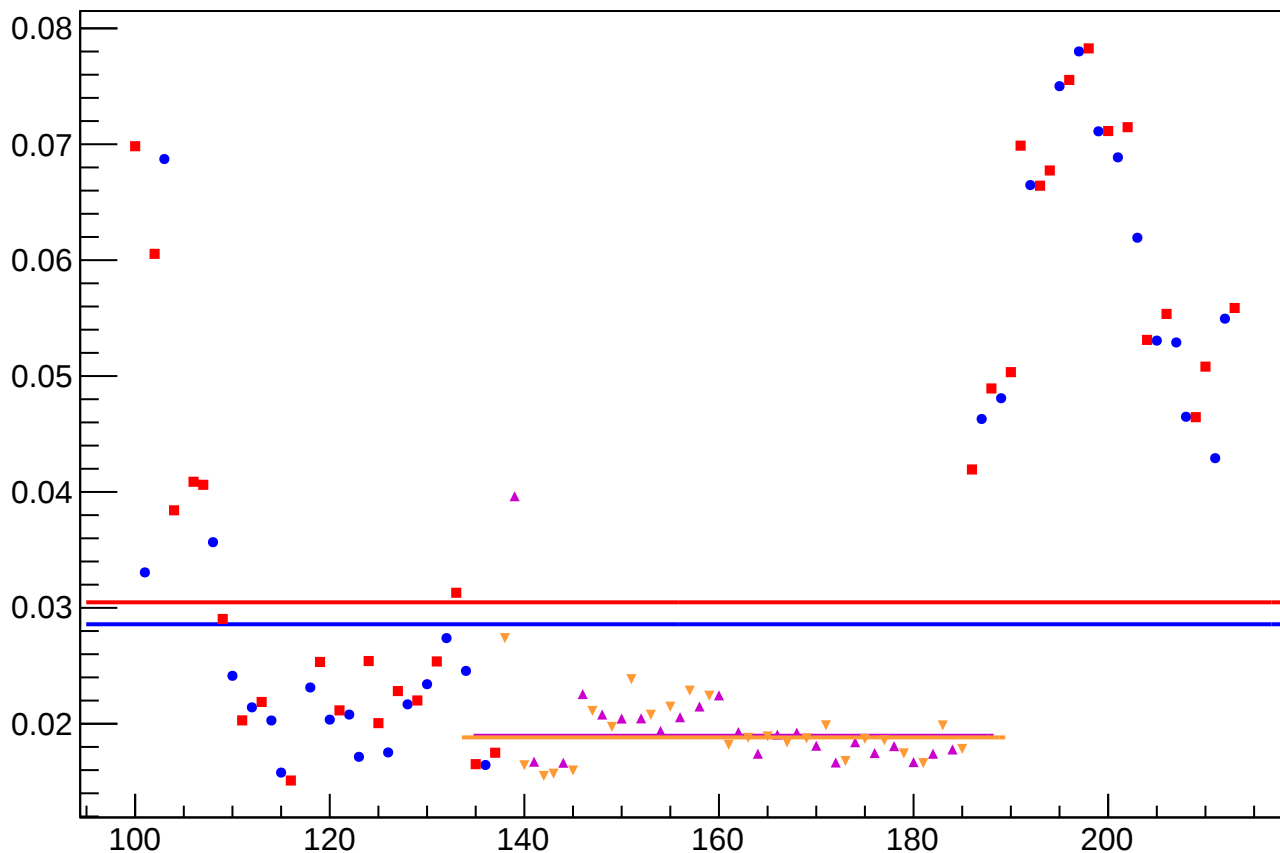
Right: -1.008 $\pm$ 0.000 χ^2 /NDF: 981311760.9/63

In: -0.887 $\pm$ 0.000 χ^2 /NDF:883246288.6/52

Out: -0.892 $\pm$ 0.000 χ^2 /NDF:1039014511.2/58

All: -0.890 $\pm$ 0.000 χ^2 /NDF: 1922811698.6/1

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2 /NDF: 6900397.5/29

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:490509.4/24

Right Out: 0.030 $\pm$ 0.000 χ^2 /NDF: 7099703.1/33

Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:615173.8/22

Left: 0.019 $\pm$ 0.000 χ^2 /NDF: 1106521.0/47

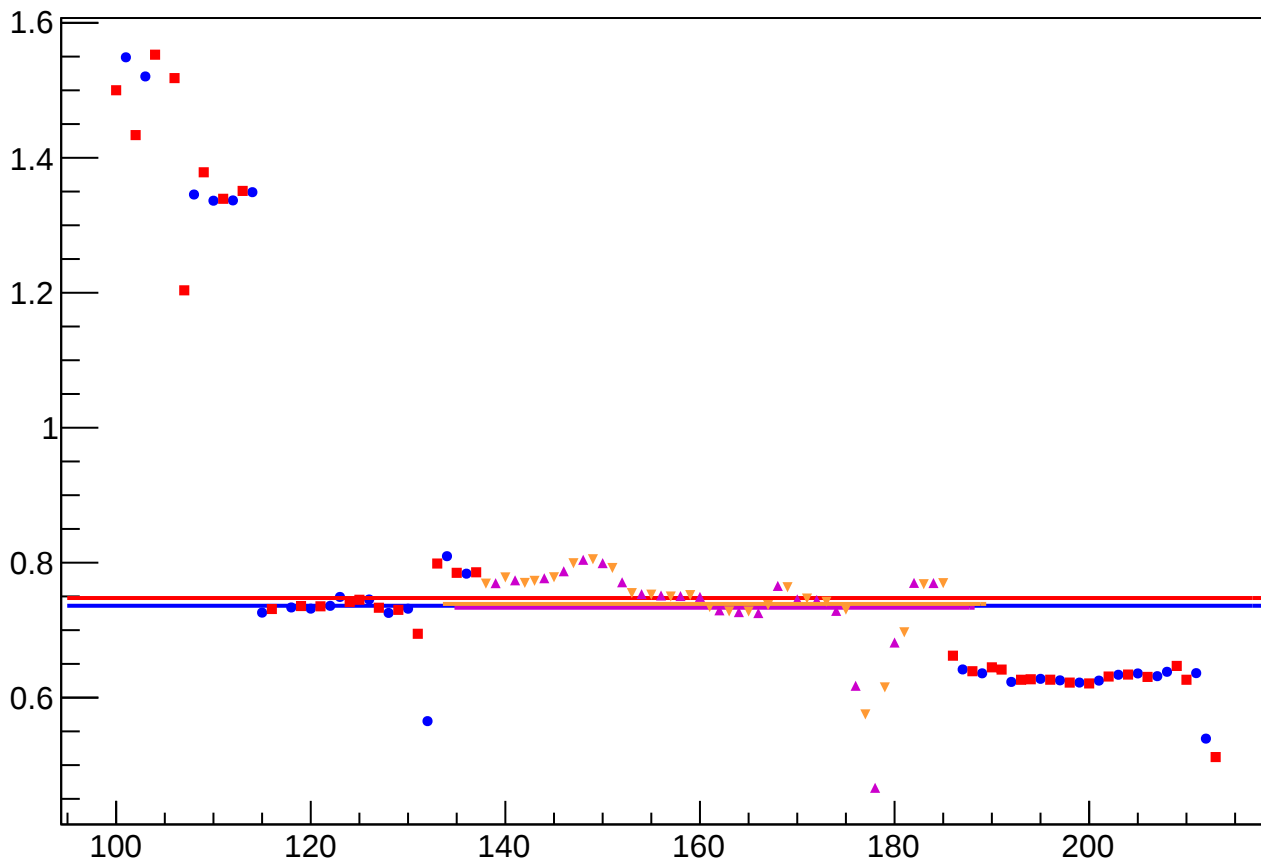
Right: 0.030 $\pm$ 0.000 χ^2 /NDF: 14048025.7/63

In: 0.021 $\pm$ 0.000 χ^2 /NDF:9378504.9/52

Out: 0.022 $\pm$ 0.000 χ^2 /NDF:10303654.8/58

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 19683234.1/111

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.736+/-0.000 χ^2/NDF : 3589451260.2/29

Left Out: 0.739+/-0.000 χ^2/NDF : 333013236.5/24

Right Out: 0.748+/-0.000 χ^2/NDF : 3969360937.7/33

Left In: 0.733+/-0.000 χ^2/NDF : 569611347.7/22

Left: 0.736+/-0.000 χ^2/NDF : 904456968.5/47

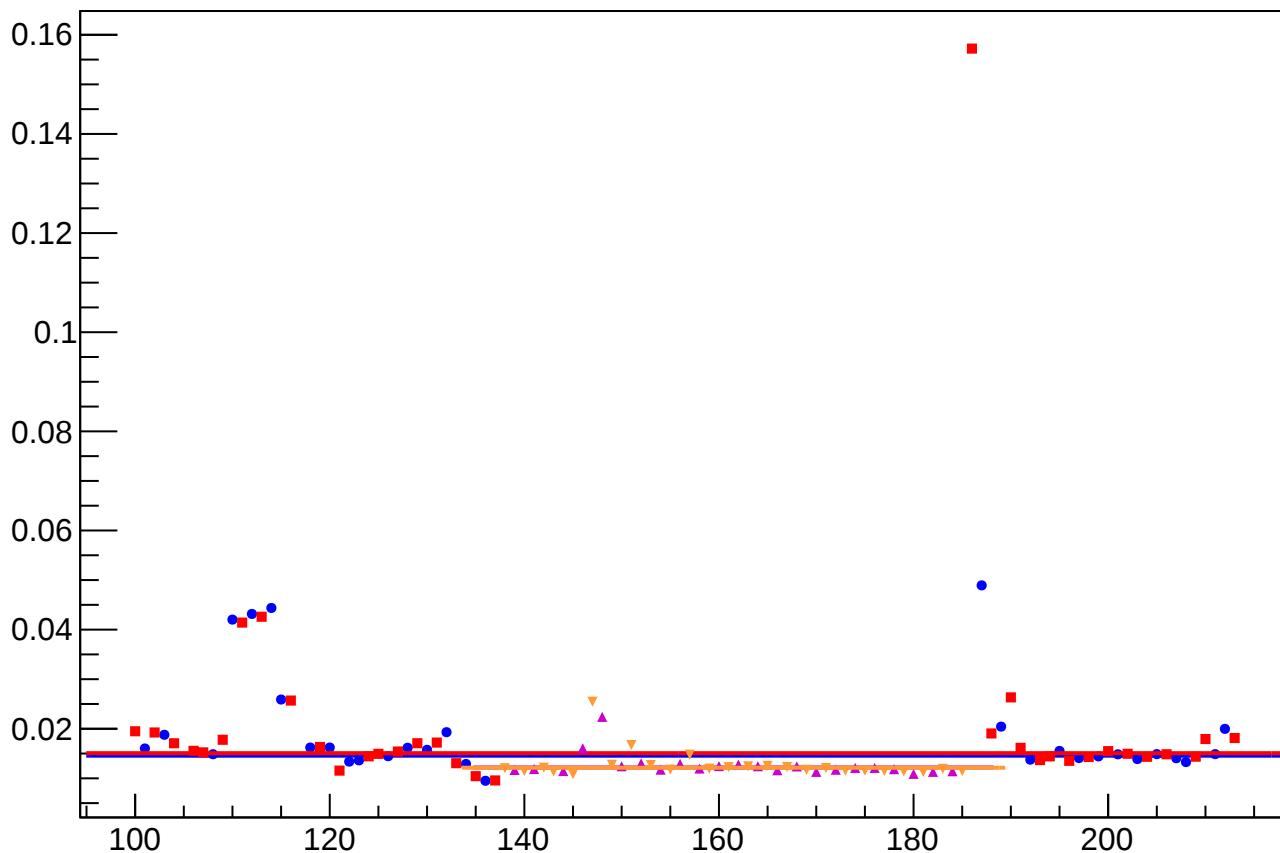
Right: 0.742+/-0.000 χ^2/NDF : 7563248011.3/63

In: 0.734+/-0.000 χ^2/NDF : 4159423108.4/52

Out: 0.742+/-0.000 χ^2/NDF : 4305688625.2/58

All: 0.738+/-0.000 χ^2/NDF : 8470529211.9/11

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1760348.7/29

Left Out: 0.012+/-0.000 χ^2/NDF : 637986.2/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2164625.9/33

Left In: 0.012+/-0.000 χ^2/NDF : 481830.1/22

Left: 0.012+/-0.000 χ^2/NDF : 1120125.6/47

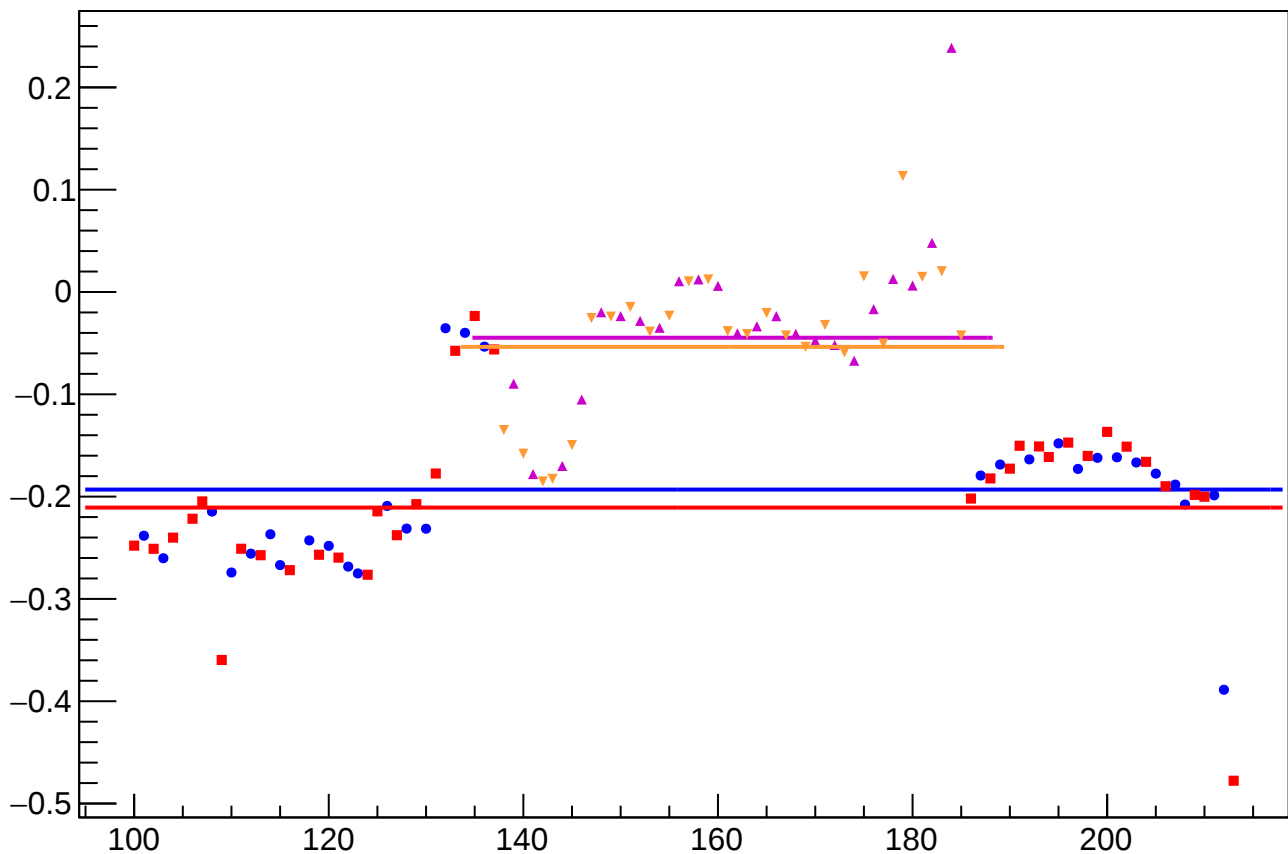
Right: 0.015+/-0.000 χ^2/NDF : 3942393.8/63

In: 0.013+/-0.000 χ^2/NDF : 2718551.0/52

Out: 0.013+/-0.000 χ^2/NDF : 3545961.0/58

All: 0.013+/-0.000 χ^2/NDF : 6266929.3/111

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.193 ± 0.000 $\chi^2/\text{NDF}: 117133598.6/29$

Left Out: -0.054 ± 0.000 $\chi^2/\text{NDF}: 167834173.6/24$

Right Out: -0.211 ± 0.000 $\chi^2/\text{NDF}: 132531792.0/33$

Left In: -0.045 ± 0.000 $\chi^2/\text{NDF}: 127192425.2/22$

Left: -0.049 ± 0.000 $\chi^2/\text{NDF}: 296566503.6/47$

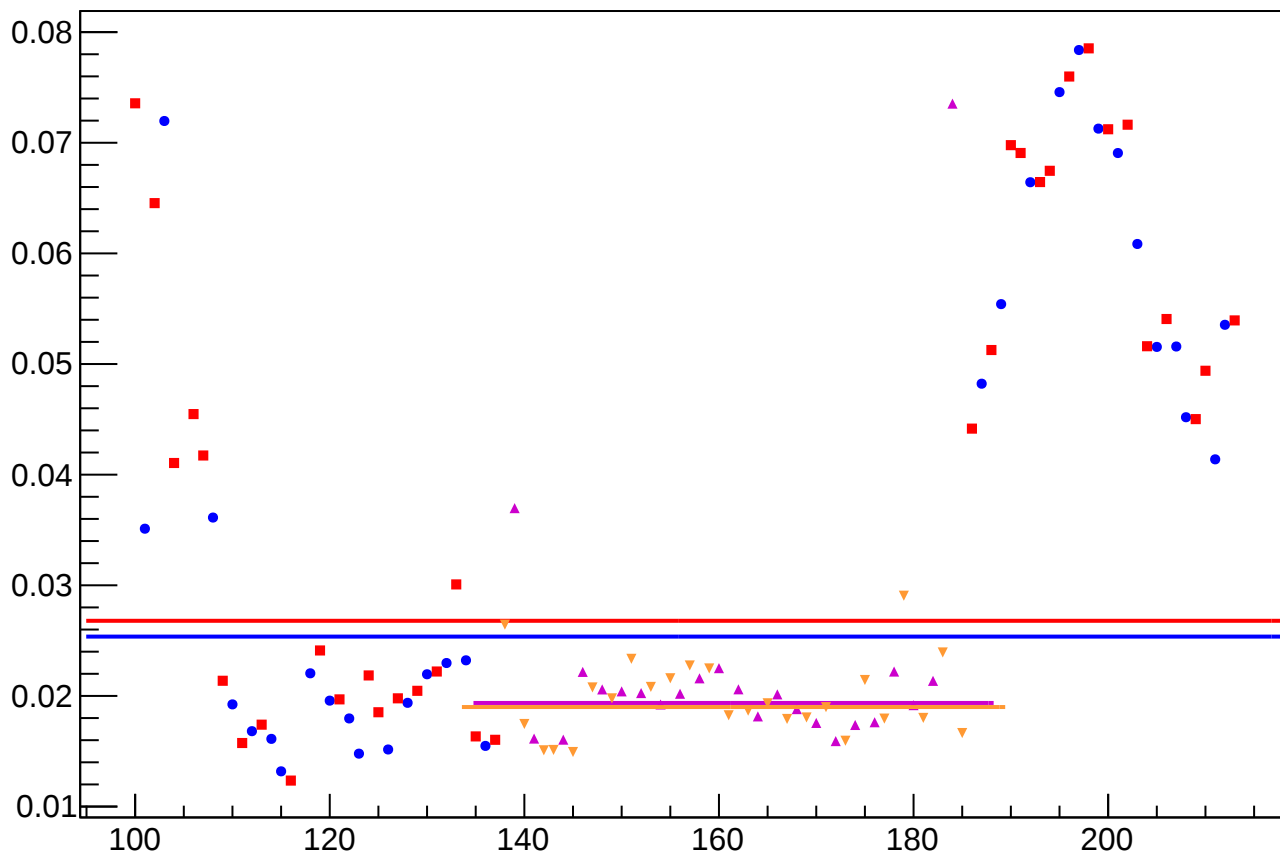
Right: -0.202 ± 0.000 $\chi^2/\text{NDF}: 252164155.3/63$

In: -0.090 ± 0.000 $\chi^2/\text{NDF}: 494256561.0/52$

Out: -0.098 ± 0.000 $\chi^2/\text{NDF}: 581734973.0/58$

All: -0.094 ± 0.000 $\chi^2/\text{NDF}: 1077570126.1/11$

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.025+/-0.000 χ^2/NDF : 8075961.8/29

Left Out: 0.019+/-0.000 χ^2/NDF : 700229.7/24

Right Out: 0.027+/-0.000 χ^2/NDF : 8705642.4/33

Left In: 0.019+/-0.000 χ^2/NDF : 858216.8/22

Left: 0.019+/-0.000 χ^2/NDF : 1563699.1/47

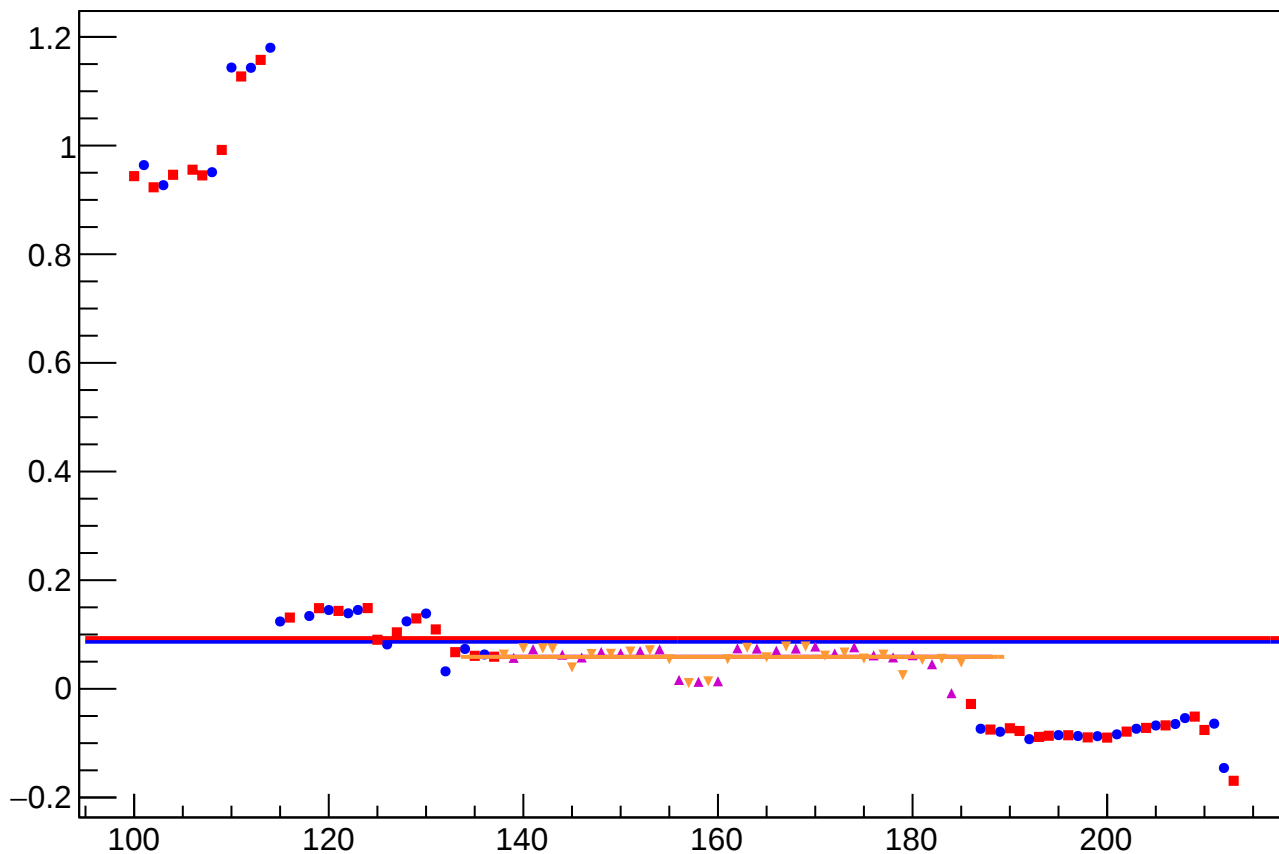
Right: 0.026+/-0.000 χ^2/NDF : 16814504.0/63

In: 0.021+/-0.000 χ^2/NDF : 9750825.8/52

Out: 0.021+/-0.000 χ^2/NDF : 10791909.6/58

All: 0.021+/-0.000 χ^2/NDF : 20542748.2/111

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.087 $\pm$ 0.000 χ^2 /NDF: 8309363790.2/29

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46821236.8/24

Right Out: 0.093 $\pm$ 0.000 χ^2 /NDF: 9346745732.7/33

Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58518655.0/22

Left: 0.059 $\pm$ 0.000 χ^2 /NDF: 105343775.2/47

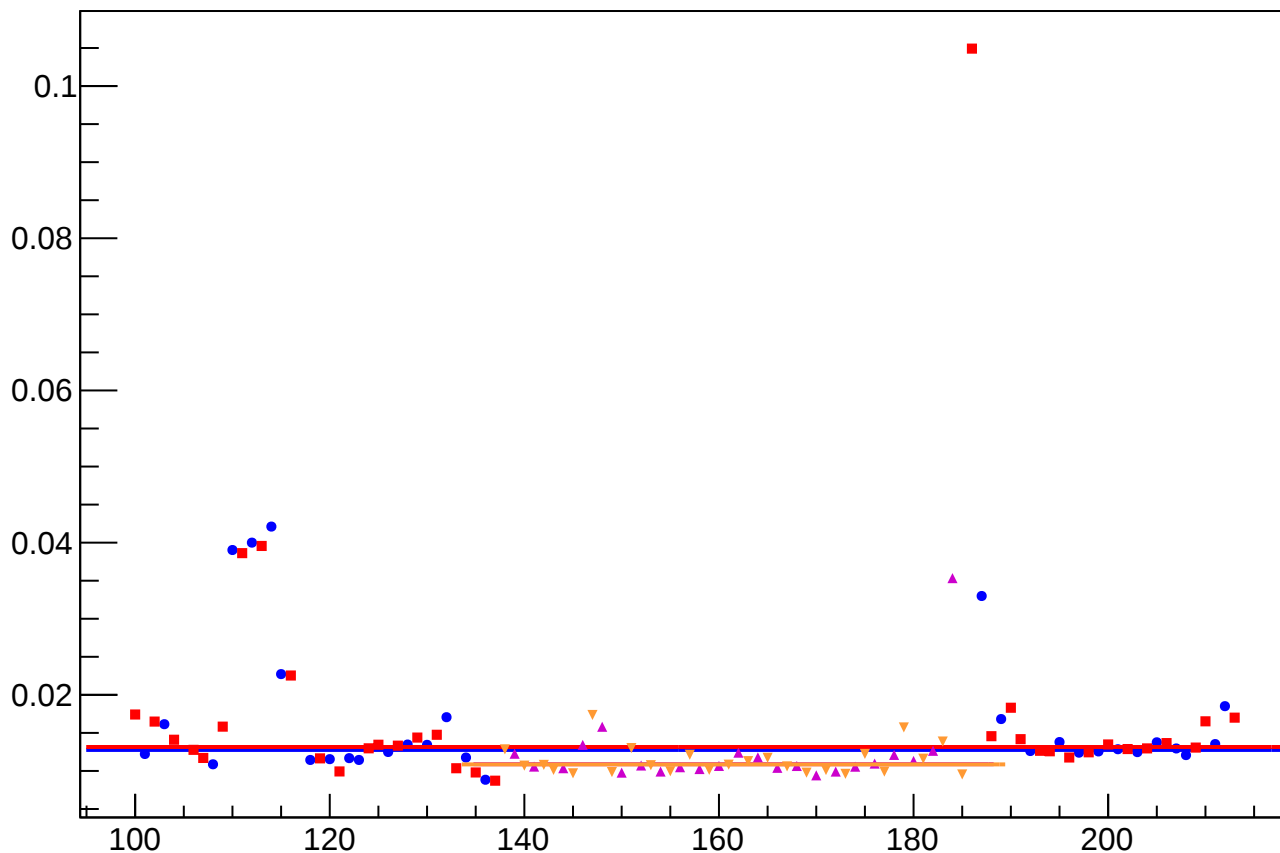
Right: 0.090 $\pm$ 0.000 χ^2 /NDF: 17658033707.6/63

In: 0.070 $\pm$ 0.000 χ^2 /NDF: 8408783713.7/52

Out: 0.072 $\pm$ 0.000 χ^2 /NDF: 9458723630.9/58

All: 0.071 $\pm$ 0.000 χ^2 /NDF: 17867964354.8/112

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF : 1639137.5/29

Left Out: 0.011+/-0.000 χ^2/NDF : 604787.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 2036025.8/33

Left In: 0.011+/-0.000 χ^2/NDF : 530077.5/22

Left: 0.011+/-0.000 χ^2/NDF : 1134994.9/47

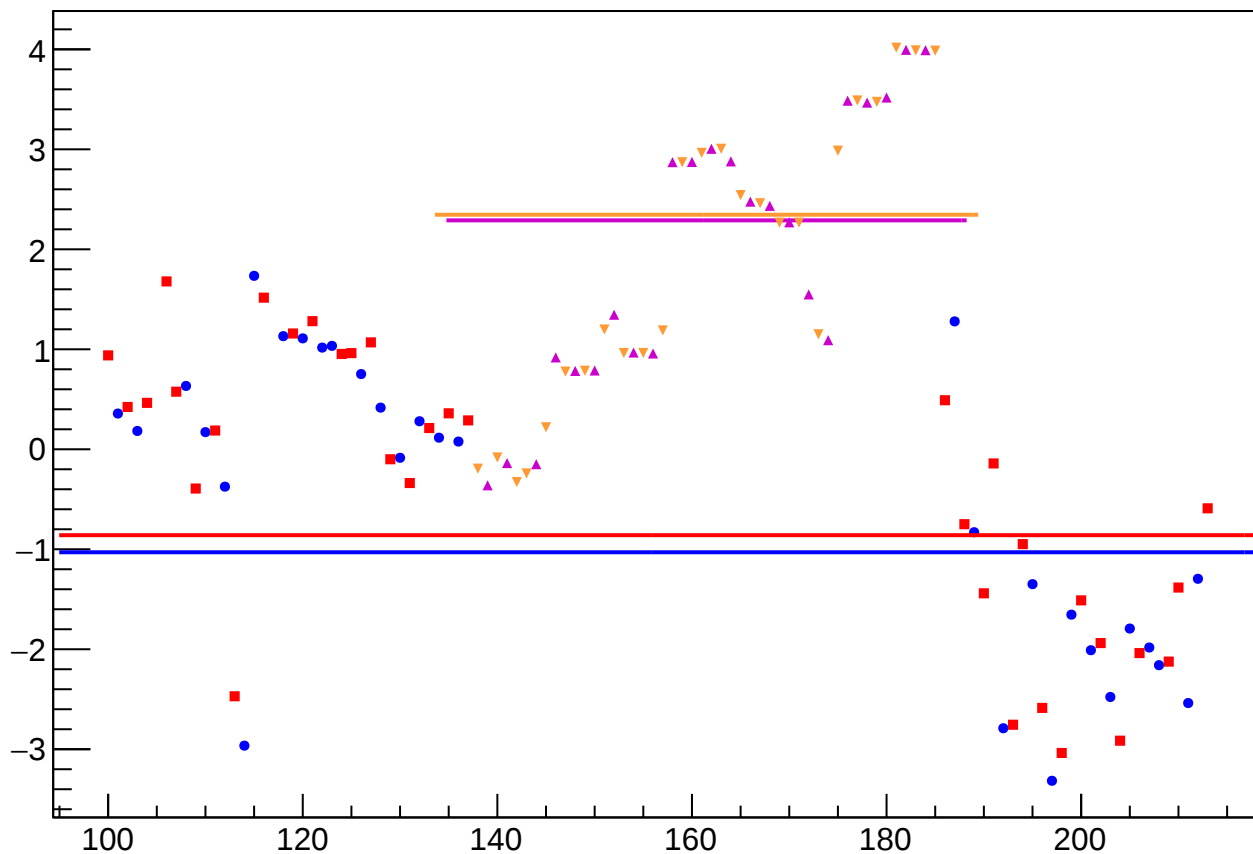
Right: 0.013+/-0.000 χ^2/NDF : 3688111.1/63

In: 0.012+/-0.000 χ^2/NDF : 2543603.4/52

Out: 0.012+/-0.000 χ^2/NDF : 3212336.7/58

All: 0.012+/-0.000 χ^2/NDF : 5758323.2/111

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -1.030+/-0.000 χ^2/NDF : 7684082939.3/29

Left Out: 2.346+/-0.000 χ^2/NDF : 63481331015.4/24

Right Out: -0.859+/-0.000 χ^2/NDF : 8182386545.8/33

Left In: 2.290+/-0.000 χ^2/NDF : 60875537647.3/22

Left: 2.318+/-0.000 χ^2/NDF : 124438674298.4/47

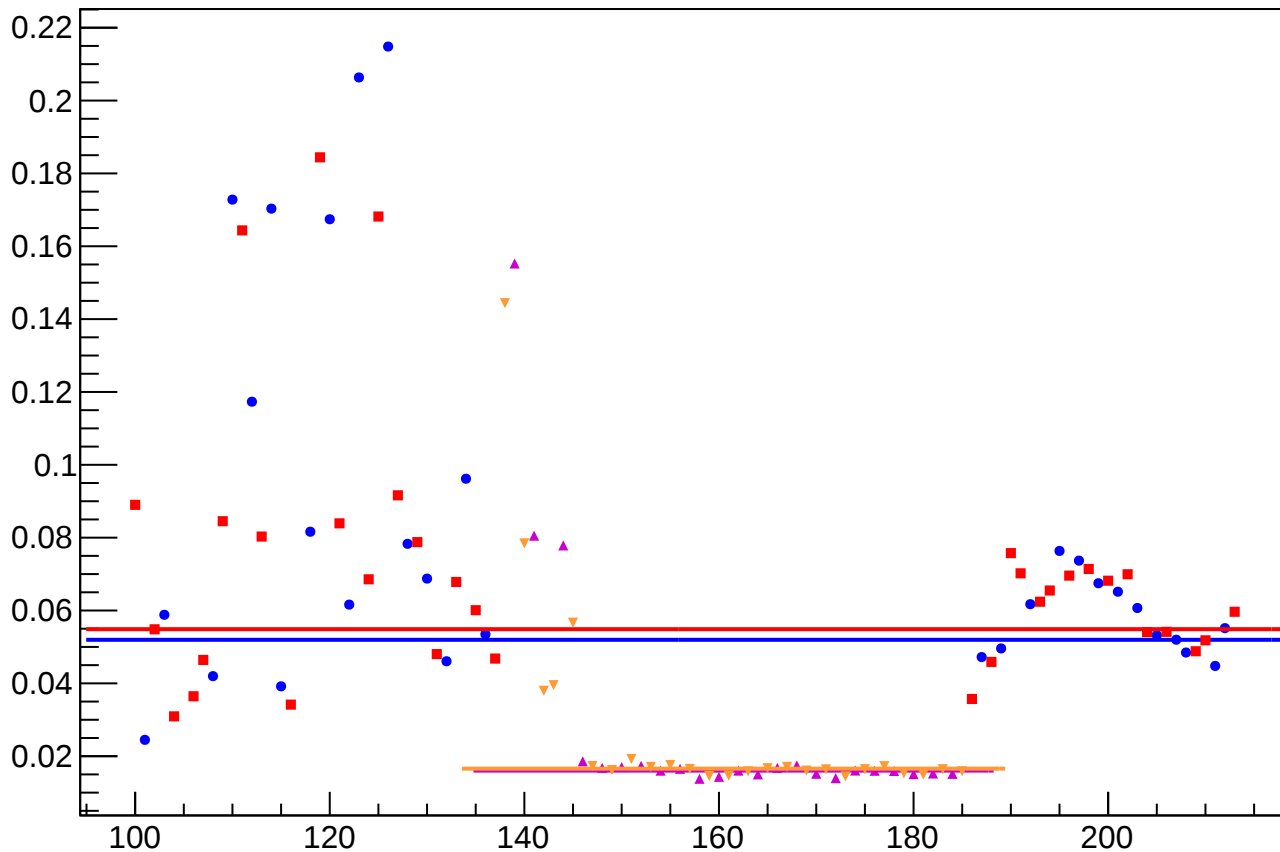
Right: -0.944+/-0.000 χ^2/NDF : 15931126455.4/63

In: 2.028+/-0.000 χ^2/NDF : 113500513300.2/52

Out: 2.089+/-0.000 χ^2/NDF : 113670914089.9/58

All: 2.058+/-0.000 χ^2/NDF : 227273018487.8

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF : 3551554.2/29

Left Out: 0.017+/-0.000 χ^2/NDF :2621162.1/24

Right Out: 0.055+/-0.000 χ^2/NDF : 2873225.3/33

Left In: 0.016+/-0.000 χ^2/NDF :2394376.5/22

Left: 0.016+/-0.000 χ^2/NDF : 5030430.5/47

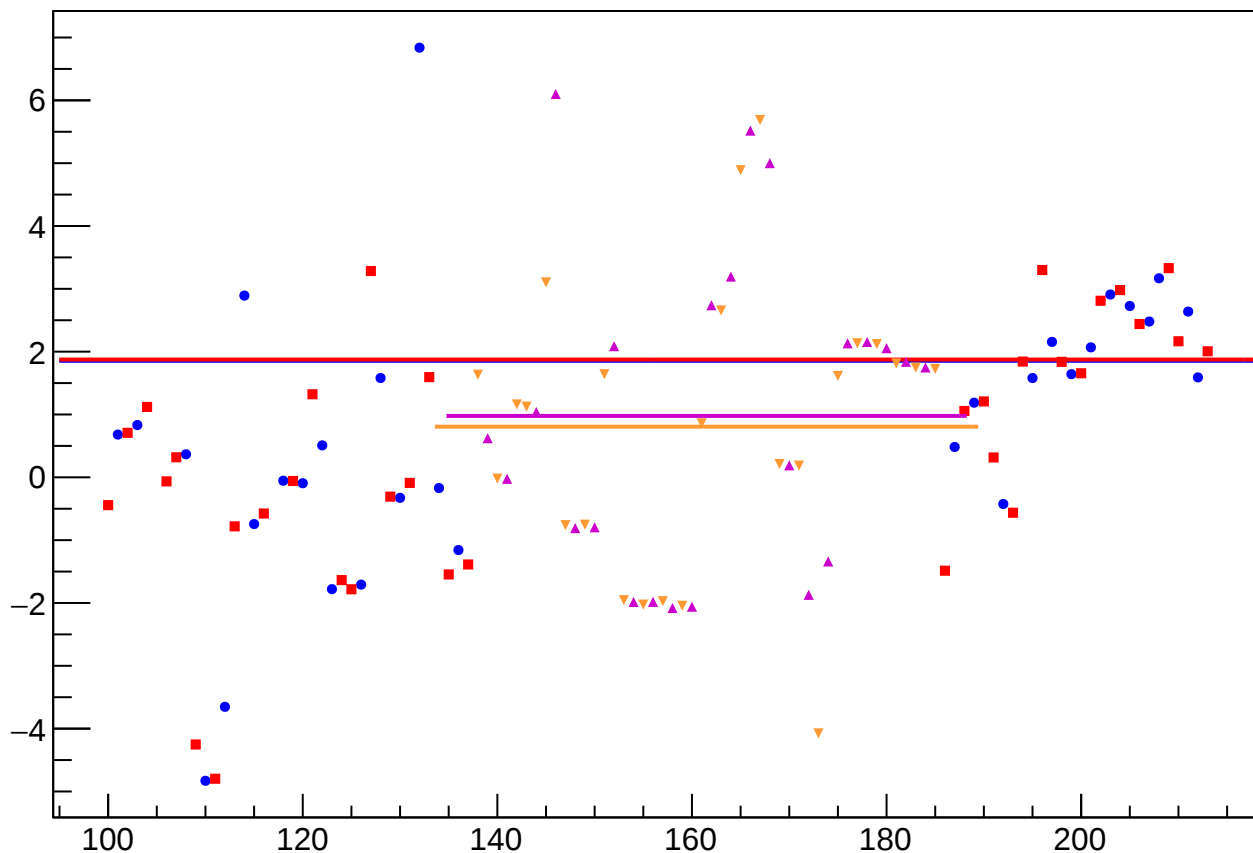
Right: 0.053+/-0.000 χ^2/NDF : 6462583.6/63

In: 0.019+/-0.000 χ^2/NDF :16465226.7/52

Out: 0.020+/-0.000 χ^2/NDF :17485233.5/58

All: 0.019+/-0.000 χ^2/NDF : 33984996.2/111

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.855+/-0.000 χ^2/NDF : 38560672256.9/29

Left Out: 0.806+/-0.000 χ^2/NDF : 507578952196.2/24

Right Out: 1.874+/-0.000 χ^2/NDF : 39605561258.6/33

Left In: 0.977+/-0.000 χ^2/NDF : 568209676597.4/22

Left: 0.892+/-0.000 χ^2/NDF : 1077036497291.8/47

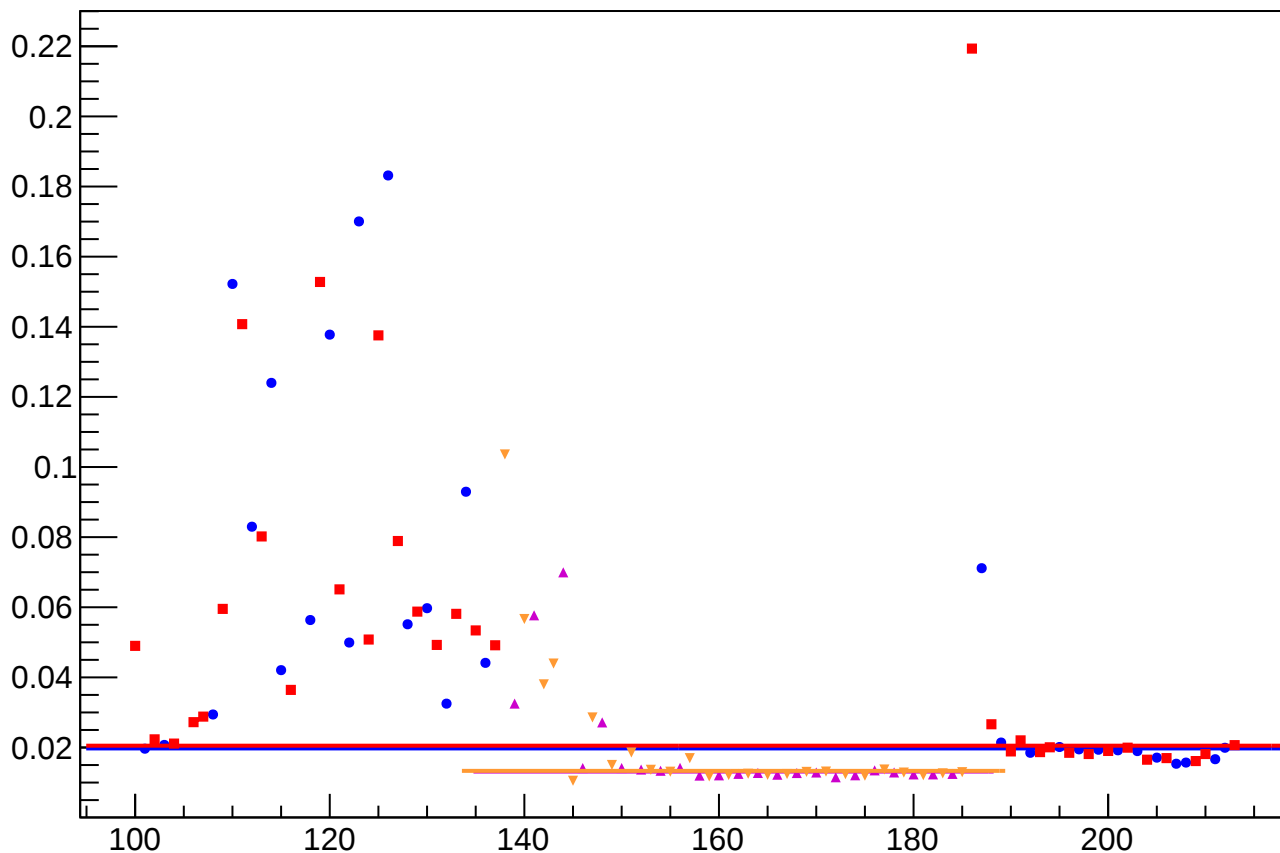
Right: 1.865+/-0.000 χ^2/NDF : 78171438201.5/63

In: 1.194+/-0.000 χ^2/NDF : 622917752159.7/52

Out: 1.069+/-0.000 χ^2/NDF : 571029336274.6/58

All: 1.131+/-0.000 χ^2/NDF : 1194822847669.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.020+/-0.000 χ^2/NDF : 4196224.7/29

Left Out: 0.013+/-0.000 χ^2/NDF :2829753.9/24

Right Out: 0.021+/-0.000 χ^2/NDF : 5167049.8/33

Left In: 0.013+/-0.000 χ^2/NDF :1946693.6/22

Left: 0.013+/-0.000 χ^2/NDF : 4779900.3/47

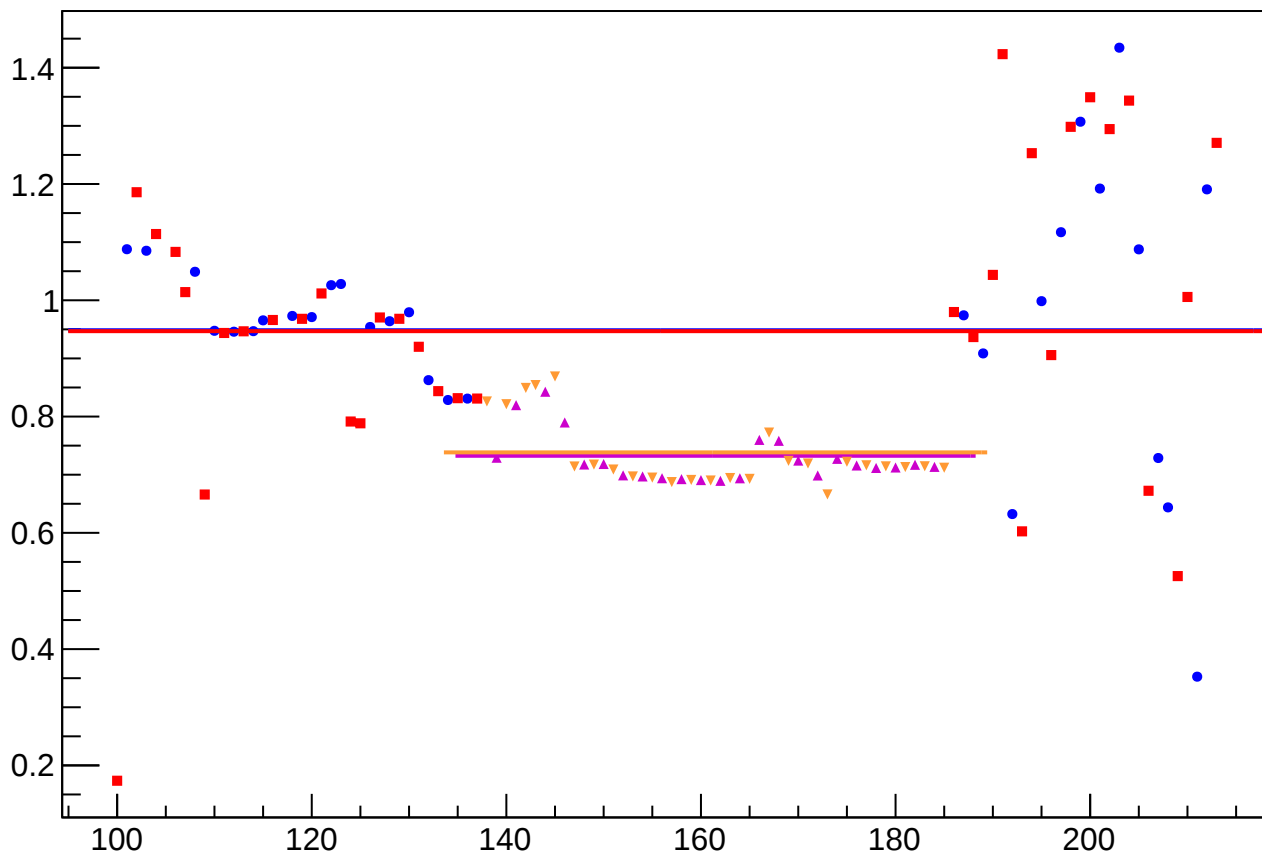
Right: 0.020+/-0.000 χ^2/NDF : 9380297.2/63

In: 0.015+/-0.000 χ^2/NDF :7969134.9/52

Out: 0.015+/-0.000 χ^2/NDF :10151096.0/58

All: 0.015+/-0.000 χ^2/NDF : 18133495.7/111

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.948 $\pm$ 0.000 χ^2 /NDF: 910395610.3/29

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310195180.4/24

Right Out: 0.947 $\pm$ 0.000 χ^2 /NDF: 1201270257.7/33

Left In: 0.733 $\pm$ 0.000 χ^2 /NDF: 170102394.7/22

Left: 0.736 $\pm$ 0.000 χ^2 /NDF: 481708989.2/47

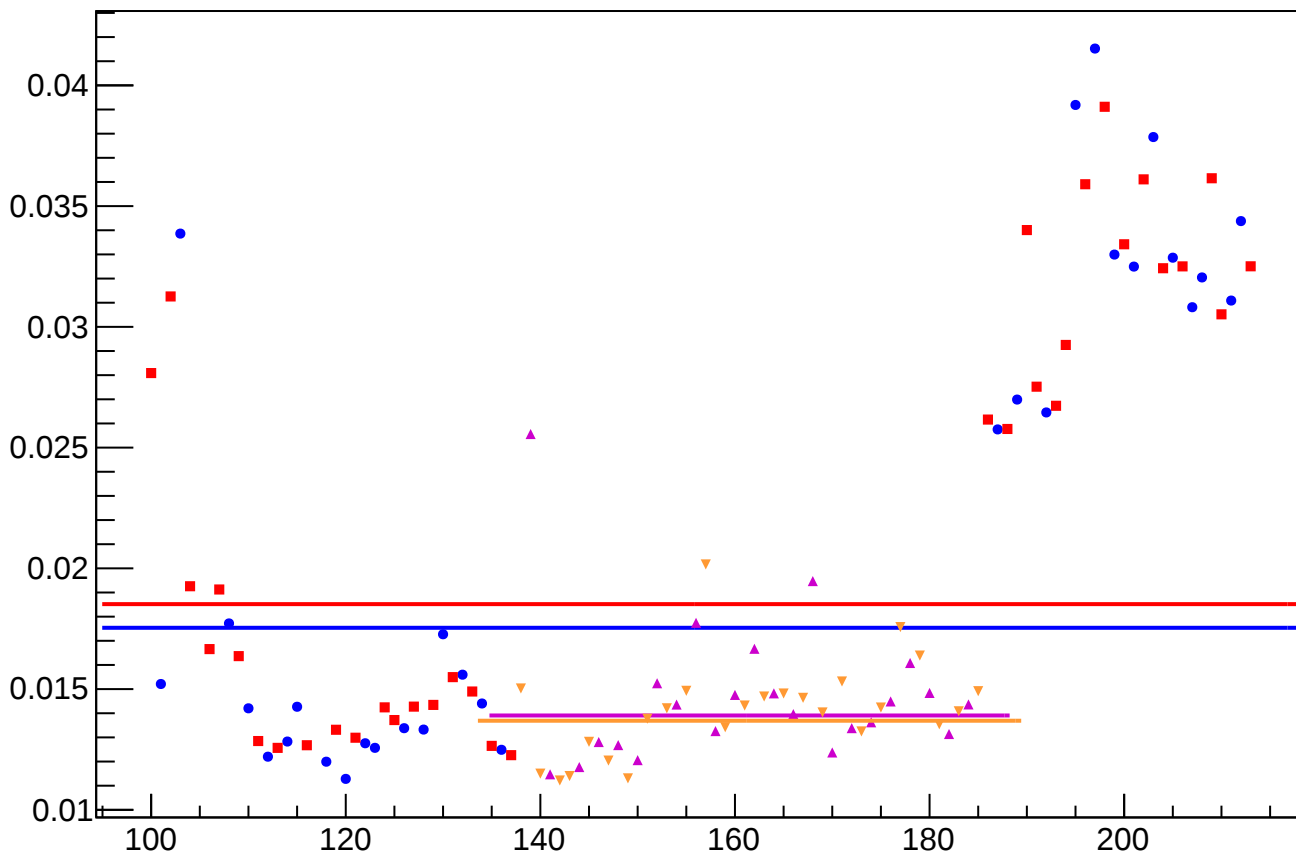
Right: 0.948 $\pm$ 0.000 χ^2 /NDF: 2111713883.2/63

In: 0.803 $\pm$ 0.000 χ^2 /NDF: 2301103708.8/52

Out: 0.803 $\pm$ 0.000 χ^2 /NDF: 2676663458.4/58

All: 0.803 $\pm$ 0.000 χ^2 /NDF: 4977770446.4/110

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF : 5153894.4/29

Left Out: 0.014+/-0.000 χ^2/NDF : 528480.6/24

Right Out: 0.019+/-0.000 χ^2/NDF : 4789479.3/33

Left In: 0.014+/-0.000 χ^2/NDF : 768161.9/22

Left: 0.014+/-0.000 χ^2/NDF : 1300553.4/47

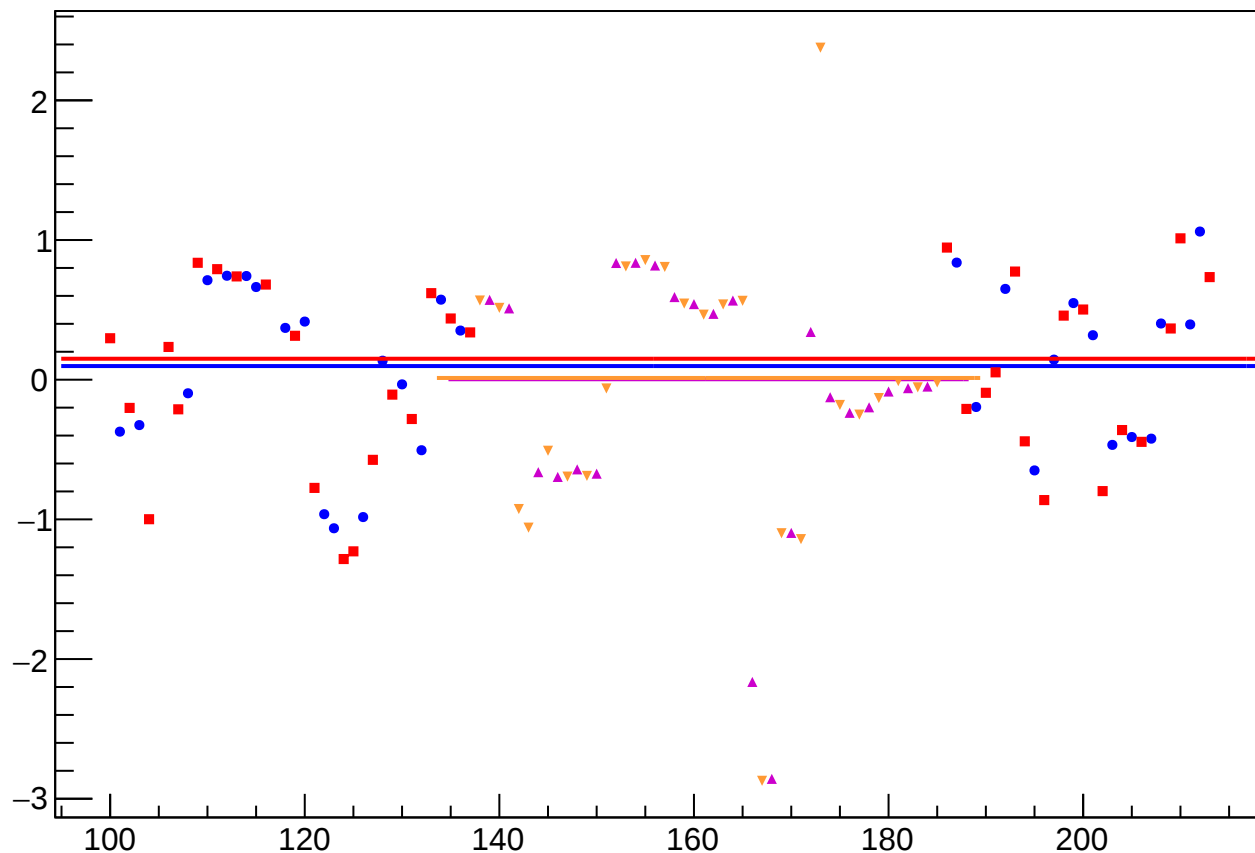
Right: 0.018+/-0.000 χ^2/NDF : 9980736.7/63

In: 0.015+/-0.000 χ^2/NDF : 6612800.1/52

Out: 0.015+/-0.000 χ^2/NDF : 6567863.5/58

All: 0.015+/-0.000 χ^2/NDF : 13181677.5/111

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.098+/-0.000 χ^2/NDF : 28147605209.5/29

Left Out: 0.012+/-0.000 χ^2/NDF : 96383858927.1/24

Right Out: 0.150+/-0.000 χ^2/NDF : 40764385031.3/33

Left In: 0.003+/-0.000 χ^2/NDF : 78826489573.0/22

Left: 0.008+/-0.000 χ^2/NDF : 175214894006.3/47

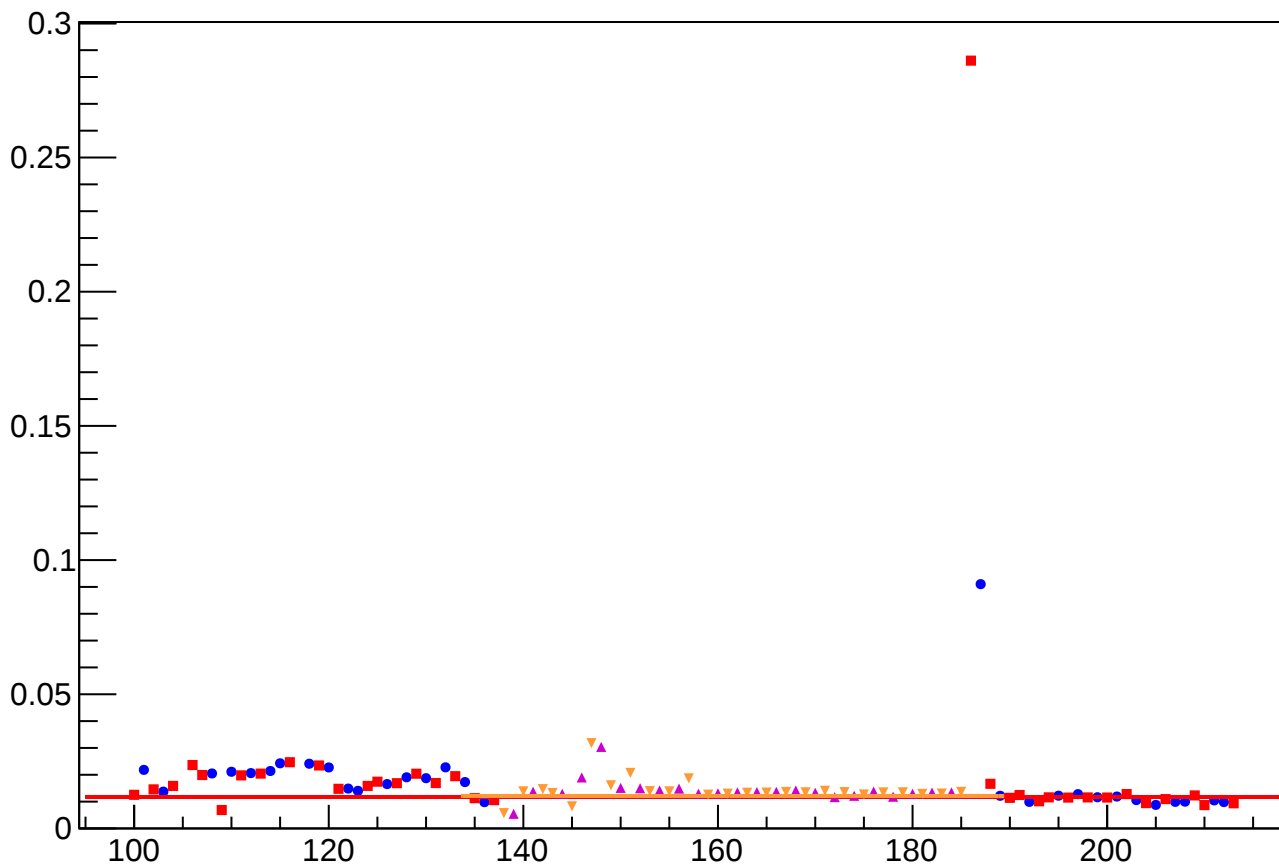
Right: 0.125+/-0.000 χ^2/NDF : 69048198674.4/63

In: 0.048+/-0.000 χ^2/NDF : 107421153602.6/52

Out: 0.079+/-0.000 χ^2/NDF : 138147705418.6/58

All: 0.064+/-0.000 χ^2/NDF : 245664151018.6

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2437564.6/29

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3105238.9/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 2968421.2/33

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3003502.9/22

Left: 0.012 $\pm$ 0.000 χ^2 /NDF: 6110012.2/47

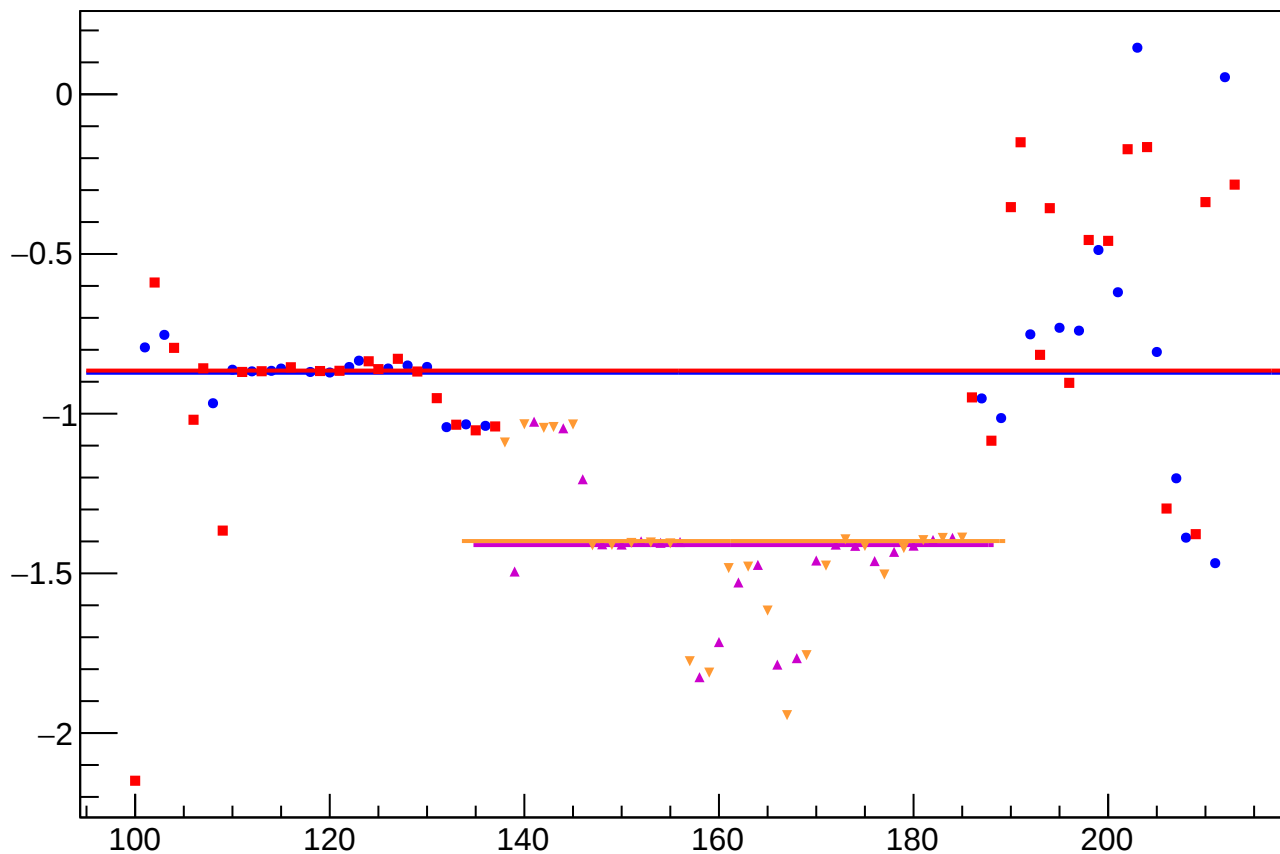
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 5405988.4/63

In: 0.012 $\pm$ 0.000 χ^2 /NDF:5448441.2/52

Out: 0.012 $\pm$ 0.000 χ^2 /NDF:6089328.7/58

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11538346.5/111

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.872 ± 0.000 $\chi^2/\text{NDF}: 339722548.2/29$

Left Out: -1.399 ± 0.000 $\chi^2/\text{NDF}: 738251911.1/24$

Right Out: -0.865 ± 0.000 $\chi^2/\text{NDF}: 482626288.6/33$

Left In: -1.411 ± 0.000 $\chi^2/\text{NDF}: 512547995.0/22$

Left: -1.405 ± 0.000 $\chi^2/\text{NDF}: 1251791467.1/47$

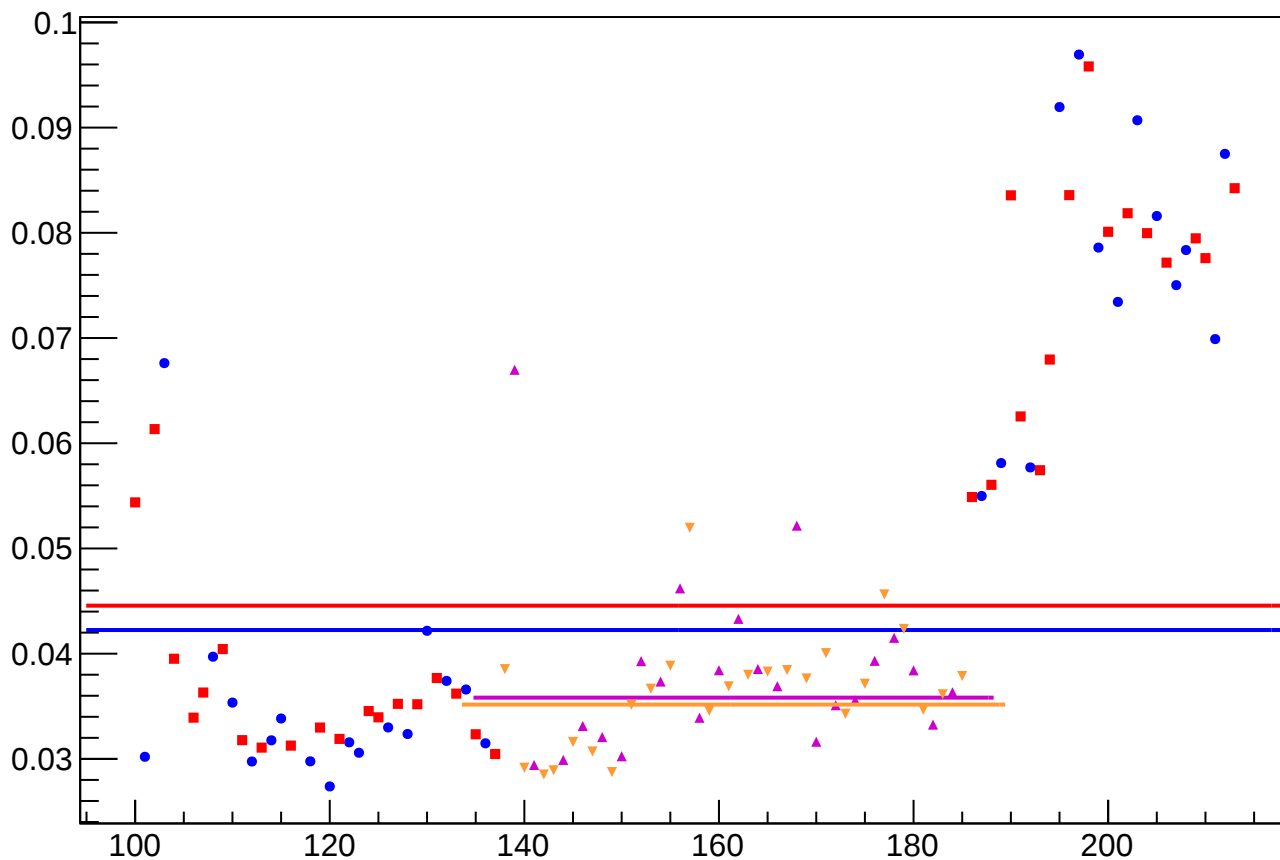
Right: -0.868 ± 0.000 $\chi^2/\text{NDF}: 822506812.1/63$

In: -1.214 ± 0.000 $\chi^2/\text{NDF}: 2122955449.1/52$

Out: -1.214 ± 0.000 $\chi^2/\text{NDF}: 2497601905.6/58$

All: -1.214 ± 0.000 $\chi^2/\text{NDF}: 4620561866.8/1$

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 4892916.1/29

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF:595219.5/24

Right Out: 0.045 $\pm$ 0.000 χ^2 /NDF: 4353937.8/33

Left In: 0.036 $\pm$ 0.000 χ^2 /NDF:864147.6/22

Left: 0.035 $\pm$ 0.000 χ^2 /NDF: 1464751.5/47

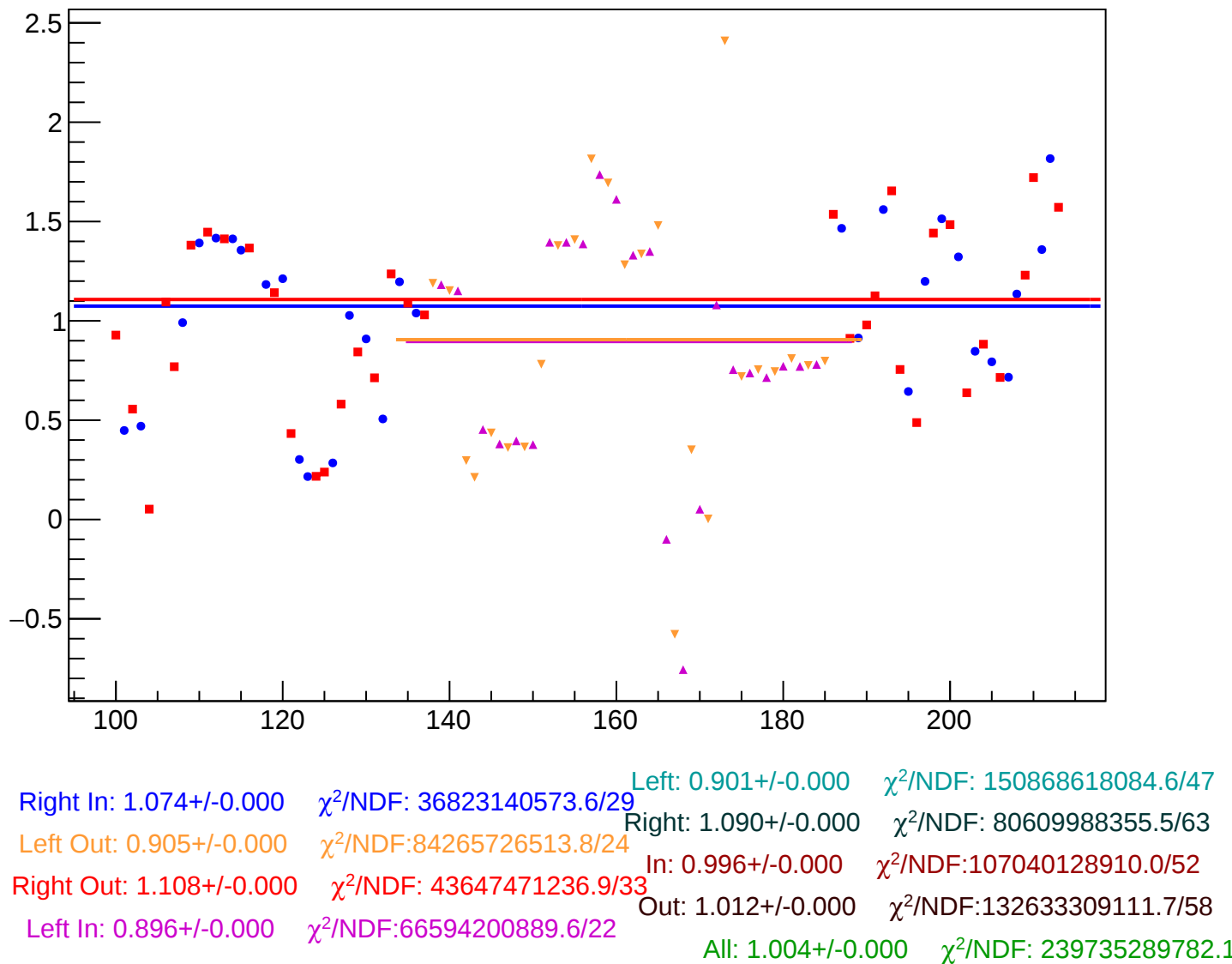
Right: 0.043 $\pm$ 0.000 χ^2 /NDF: 9283664.5/63

In: 0.038 $\pm$ 0.000 χ^2 /NDF:6117719.5/52

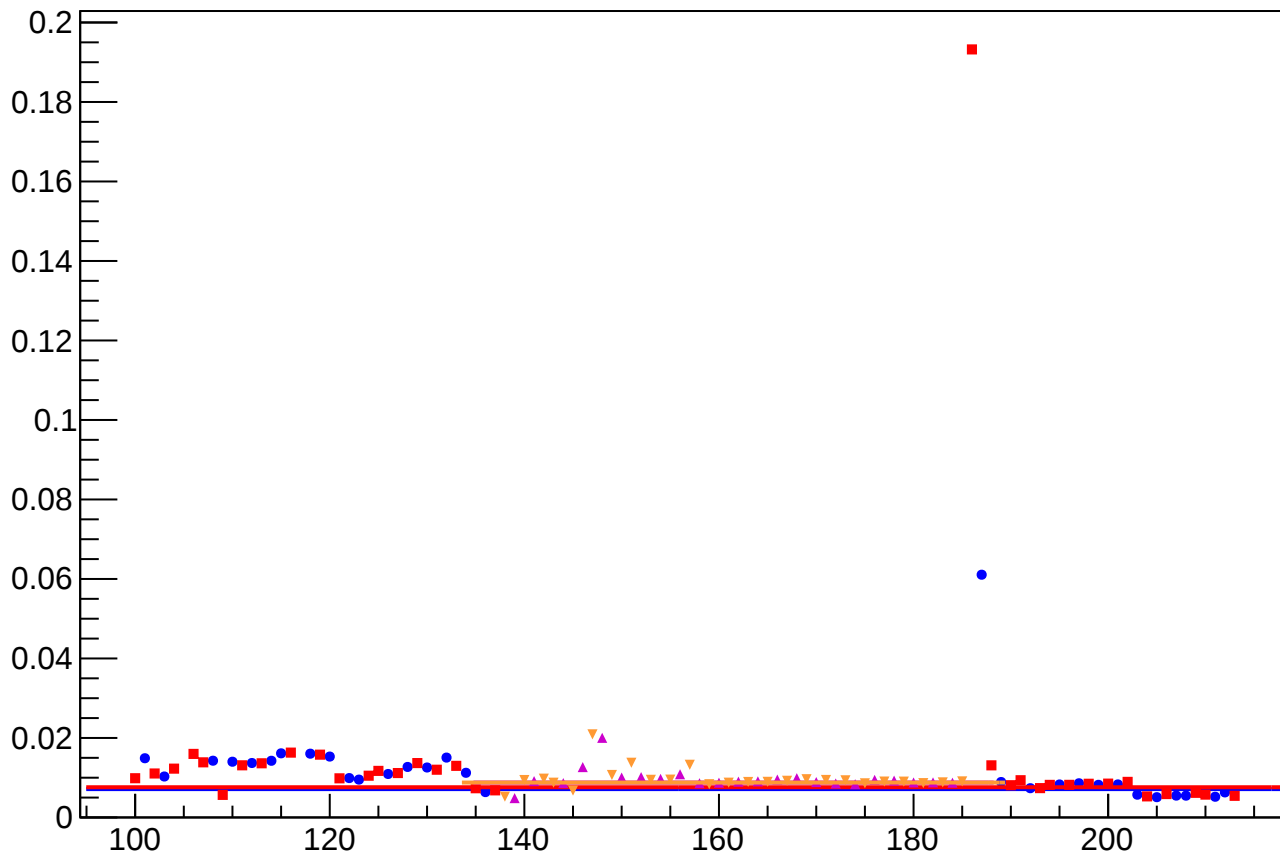
Out: 0.038 $\pm$ 0.000 χ^2 /NDF:5741414.4/58

All: 0.038 $\pm$ 0.000 χ^2 /NDF: 11860196.6/111

yield_bpm12Y_mean vs Slug, Sign Corrected



yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 3466258.3/29

Left Out: 0.009+/-0.000 χ^2/NDF :1697568.1/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3680080.7/33

Left In: 0.009+/-0.000 χ^2/NDF :1607939.0/22

Left: 0.009+/-0.000 χ^2/NDF : 3305514.2/47

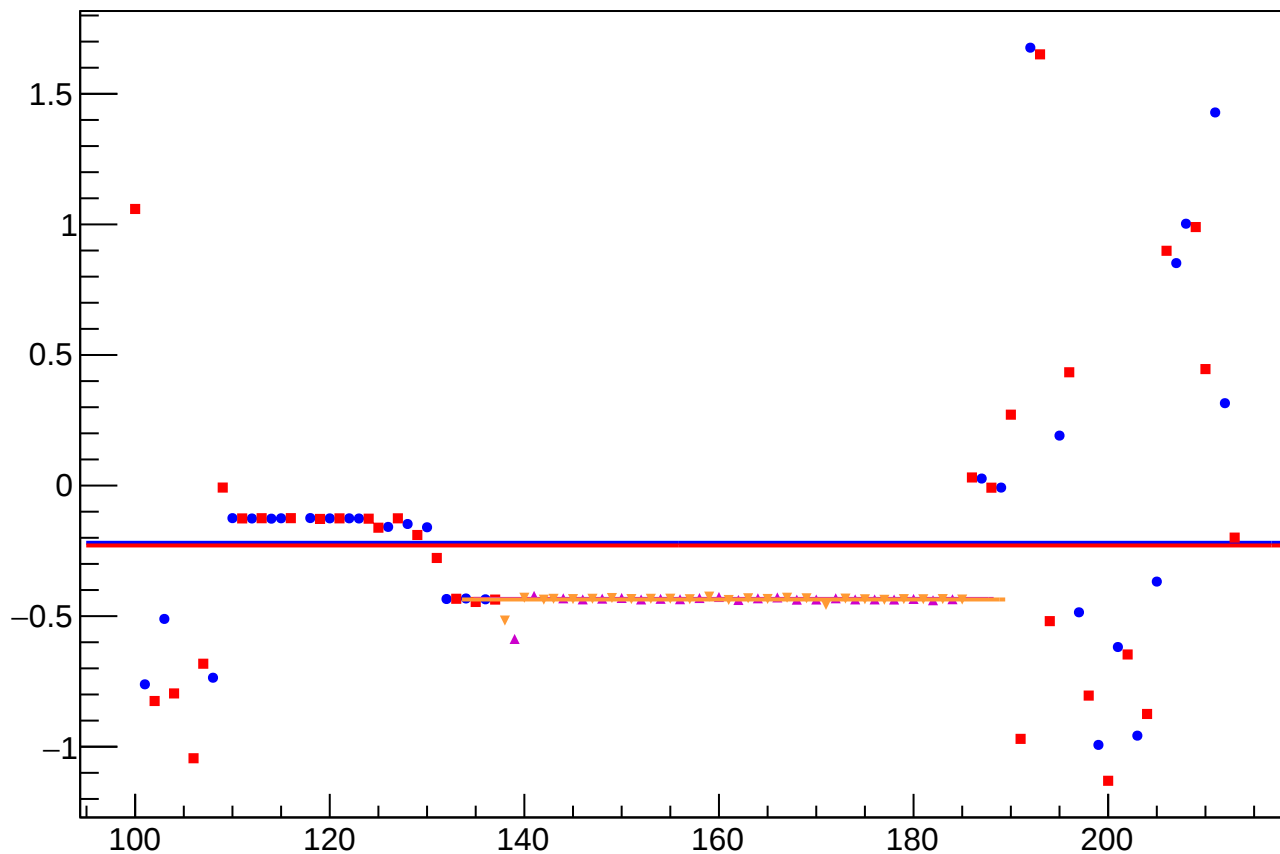
Right: 0.007+/-0.000 χ^2/NDF : 7200829.9/63

In: 0.008+/-0.000 χ^2/NDF :5687975.9/52

Out: 0.008+/-0.000 χ^2/NDF :5698049.9/58

All: 0.008+/-0.000 χ^2/NDF : 11427426.2/111

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.219 ± 0.000 $\chi^2/\text{NDF}: 4754262104.3/29$

Left Out: -0.436 ± 0.000 $\chi^2/\text{NDF}: 28774660.0/24$

Right Out: -0.229 ± 0.000 $\chi^2/\text{NDF}: 3417363082.8/33$

Left In: -0.434 ± 0.000 $\chi^2/\text{NDF}: 23984173.0/22$

Left: -0.435 ± 0.000 $\chi^2/\text{NDF}: 53122221.7/47$

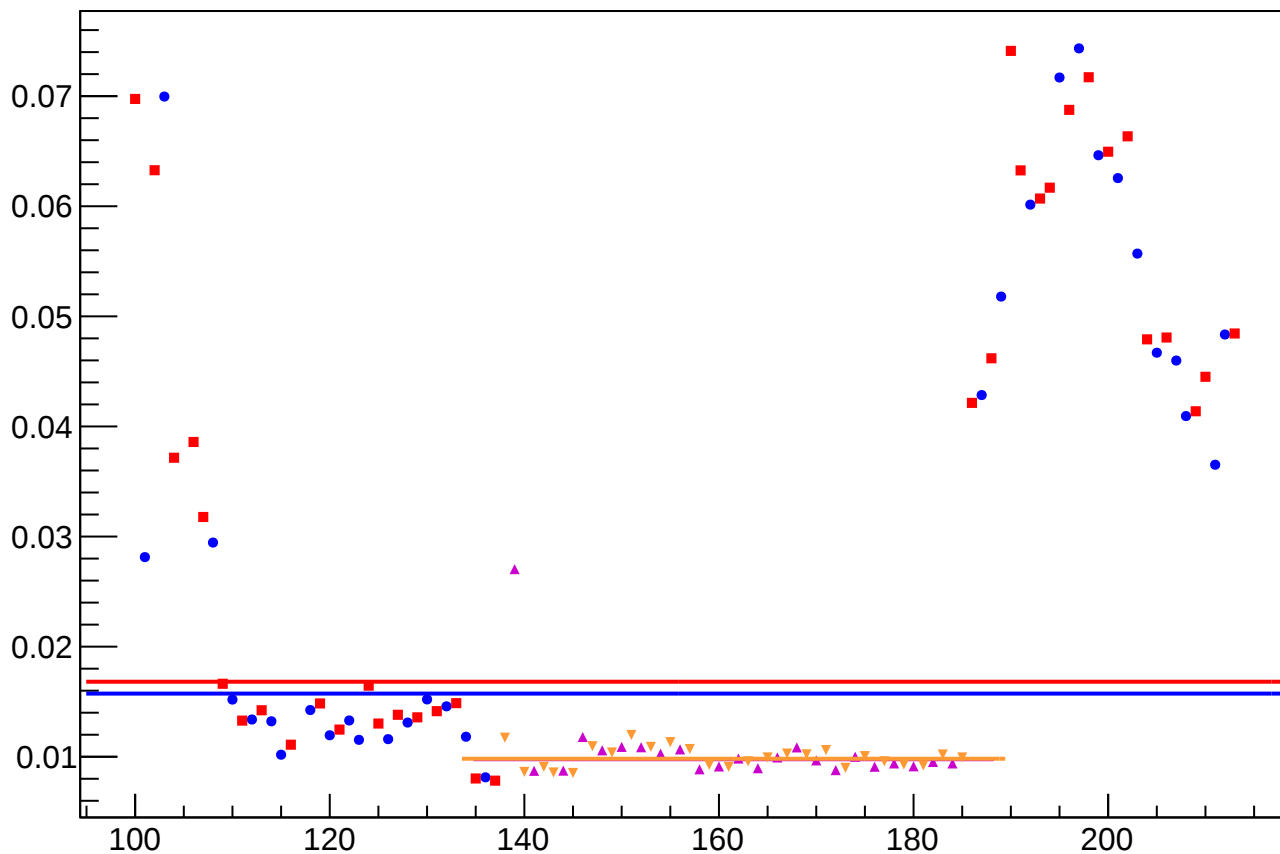
Right: -0.224 ± 0.000 $\chi^2/\text{NDF}: 8173397031.4/63$

In: -0.394 ± 0.000 $\chi^2/\text{NDF}: 6101162495.3/52$

Out: -0.401 ± 0.000 $\chi^2/\text{NDF}: 4626006204.3/58$

All: -0.397 ± 0.000 $\chi^2/\text{NDF}: 10732381343.4/110$

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.016 $\pm$ 0.000 χ^2/NDF : 11357066.6/29

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF :269242.6/24

Right Out: 0.017 $\pm$ 0.000 χ^2/NDF : 12266222.1/33

Left In: 0.010 $\pm$ 0.000 χ^2/NDF :747550.0/22

Left: 0.010 $\pm$ 0.000 χ^2/NDF : 1017115.3/47

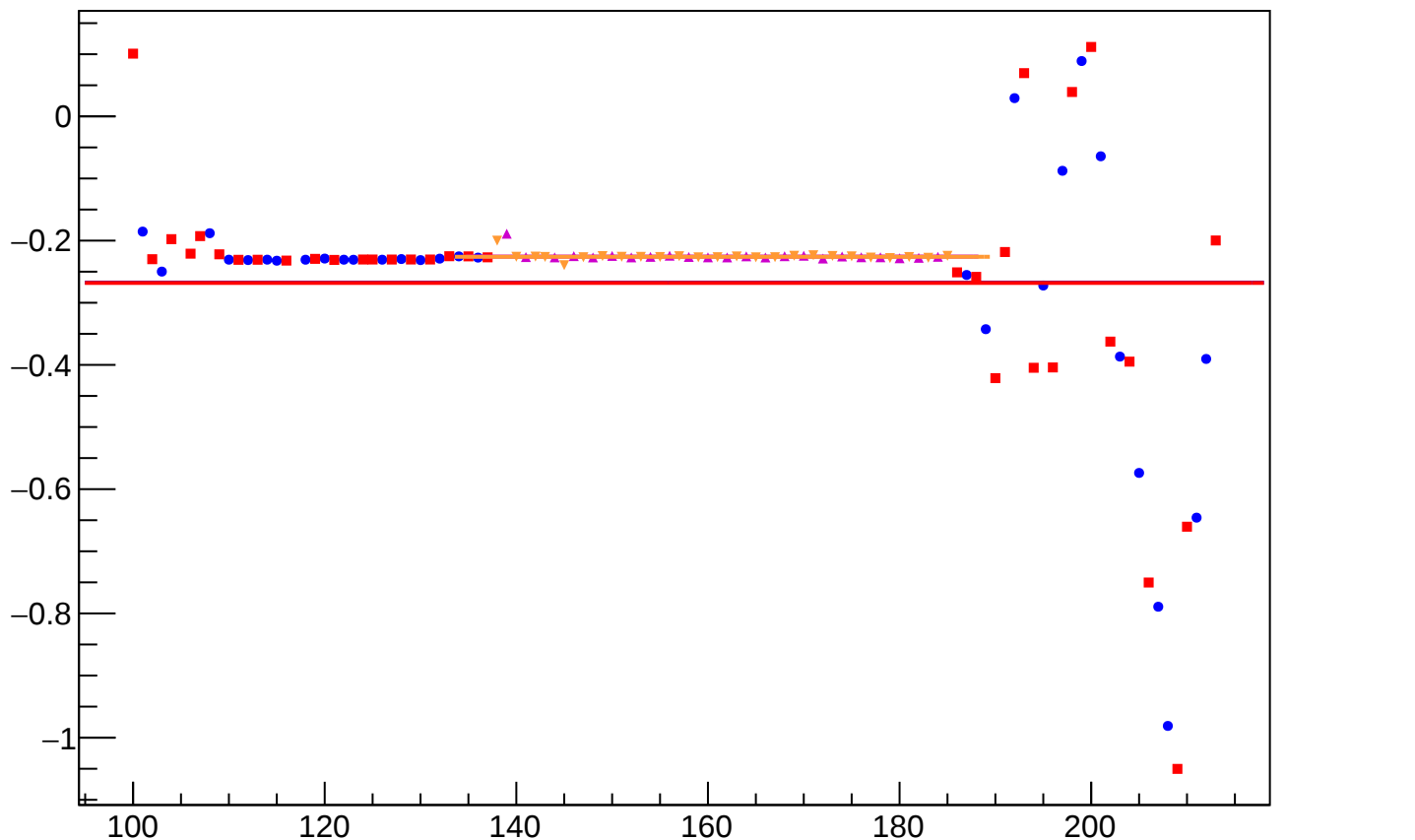
Right: 0.016 $\pm$ 0.000 χ^2/NDF : 23663076.5/63

In: 0.011 $\pm$ 0.000 χ^2/NDF :14141845.7/52

Out: 0.011 $\pm$ 0.000 χ^2/NDF :15233984.6/58

All: 0.011 $\pm$ 0.000 χ^2/NDF : 29378315.4/111

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.268+/-0.000 χ^2/NDF : 24829609332.4/29

Left Out: -0.226+/-0.000 χ^2/NDF : 21205667.4/24

Right Out: -0.268+/-0.000 χ^2/NDF : 25233911908.2/33

Left In: -0.226+/-0.000 χ^2/NDF : 15245251.1/22

Left: -0.226+/-0.000 χ^2/NDF : 36480793.2/47

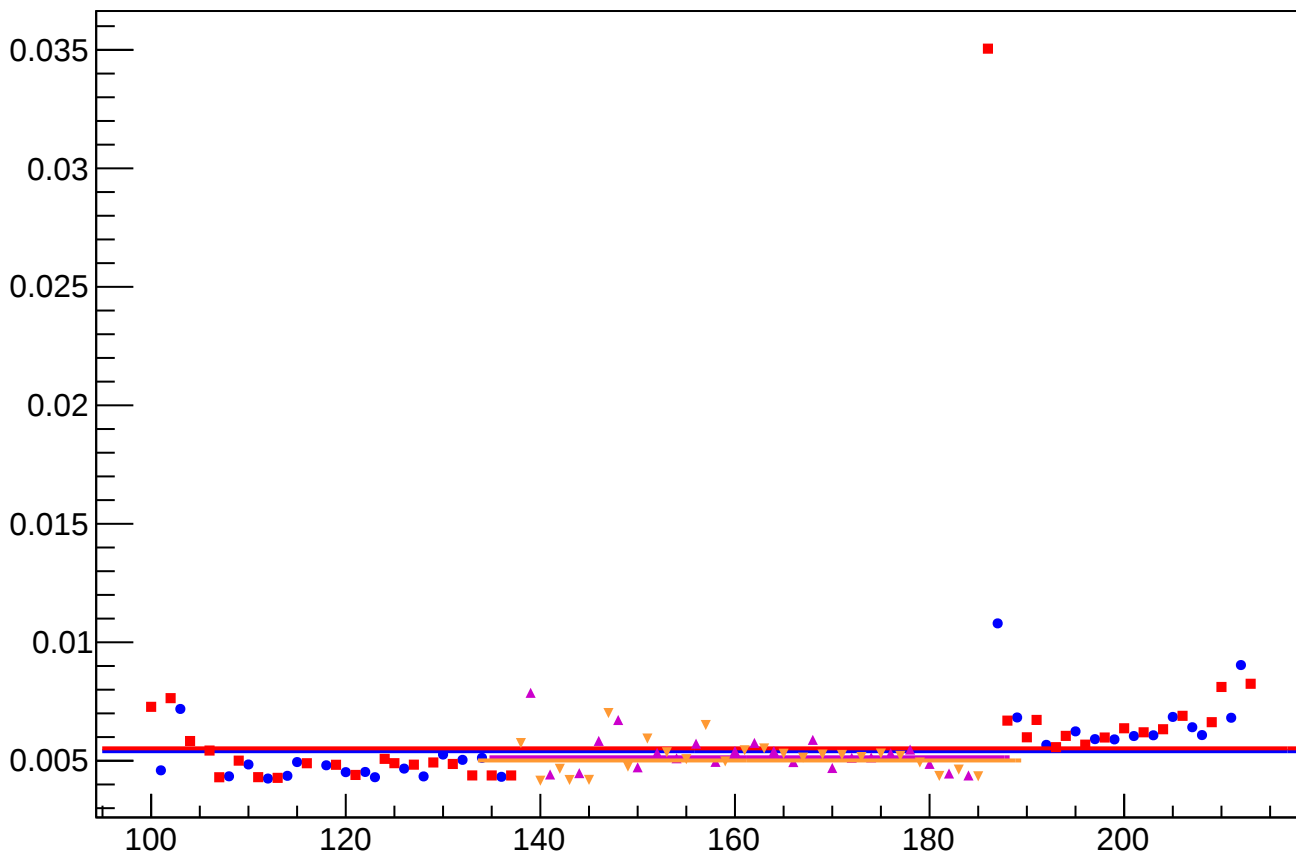
Right: -0.268+/-0.000 χ^2/NDF : 50063593062.7/63

In: -0.244+/-0.000 χ^2/NDF : 25322103305.8/52

Out: -0.244+/-0.000 χ^2/NDF : 25768738231.2/58

All: -0.244+/-0.000 χ^2/NDF : 51090947423.1/117

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1077522.3/29

Left Out: 0.005+/-0.000 χ^2/NDF : 530632.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1607744.0/33

Left In: 0.005+/-0.000 χ^2/NDF : 493107.7/22

Left: 0.005+/-0.000 χ^2/NDF : 1035156.6/47

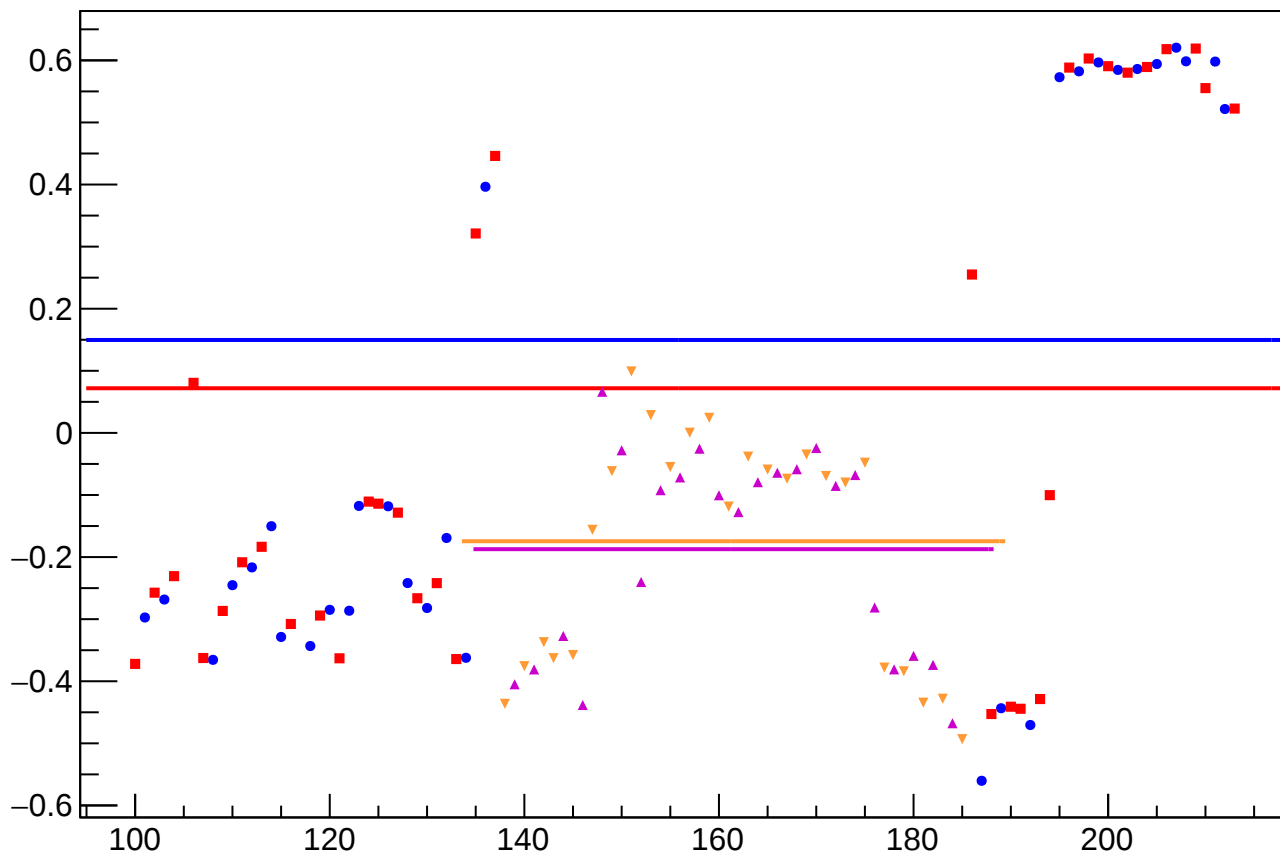
Right: 0.005+/-0.000 χ^2/NDF : 2692404.6/63

In: 0.005+/-0.000 χ^2/NDF : 1607020.5/52

Out: 0.005+/-0.000 χ^2/NDF : 2289917.7/58

All: 0.005+/-0.000 χ^2/NDF : 3898021.8/111

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: 0.150+/-0.000

χ^2/NDF : 65978318235.5/29

Left: -0.181+/-0.000

χ^2/NDF : 30888184231.6/47

Left Out: -0.174+/-0.000

χ^2/NDF : 18025533236.1/24

Right: 0.109+/-0.000

χ^2/NDF : 133245900086.2/63

Right Out: 0.072+/-0.000

χ^2/NDF : 66224140462.2/33

In: -0.060+/-0.000

χ^2/NDF : 102186391865.5/52

Out: -0.080+/-0.000

χ^2/NDF : 97736153035.2/58

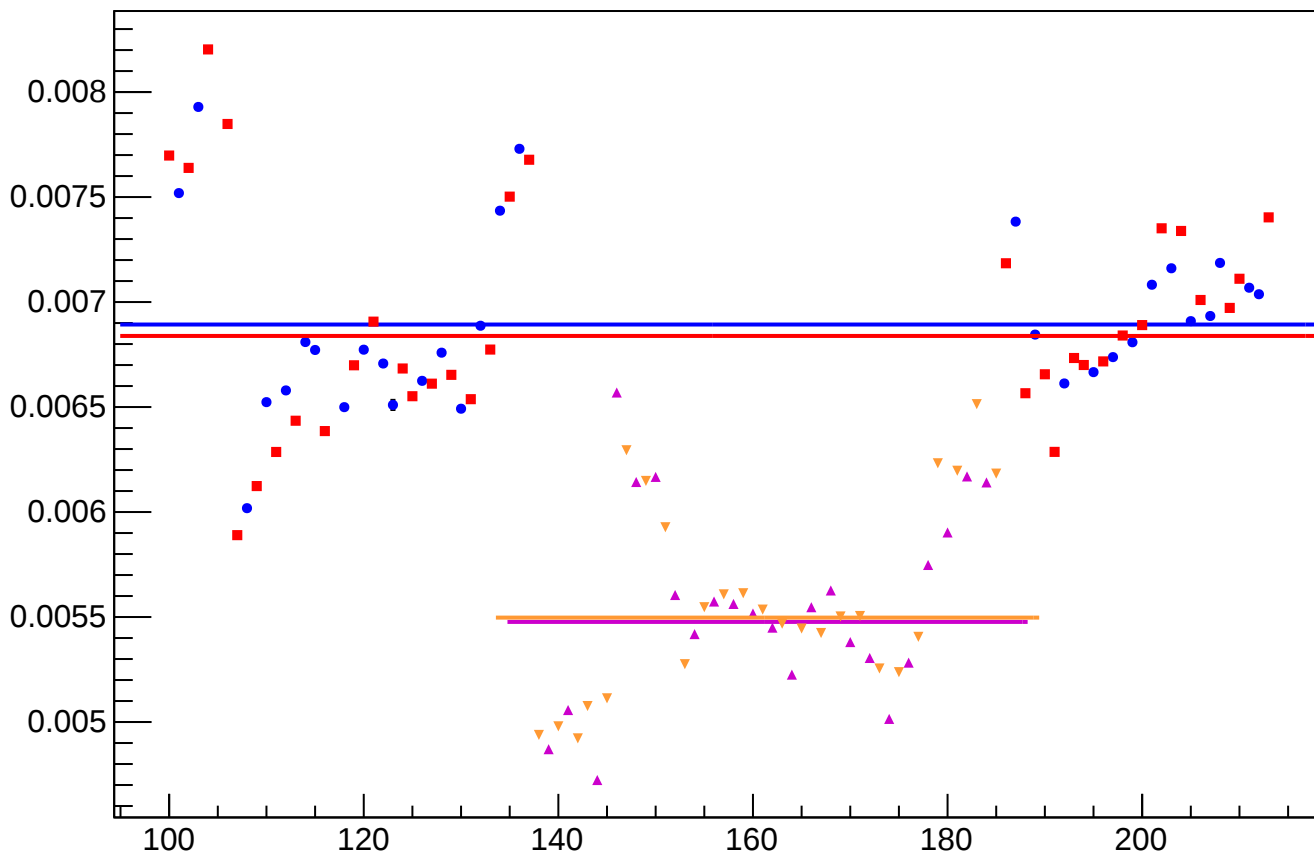
Left In: -0.187+/-0.000

χ^2/NDF : 12816646575.4/22

All: -0.070+/-0.000

χ^2/NDF : 200092405263.5

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 93188.0/29

Left Out: 0.005+/-0.000 χ^2/NDF :198746.4/24

Right Out: 0.007+/-0.000 χ^2/NDF : 142070.0/33

Left In: 0.005+/-0.000 χ^2/NDF :202181.4/22

Left: 0.005+/-0.000 χ^2/NDF : 401165.3/47

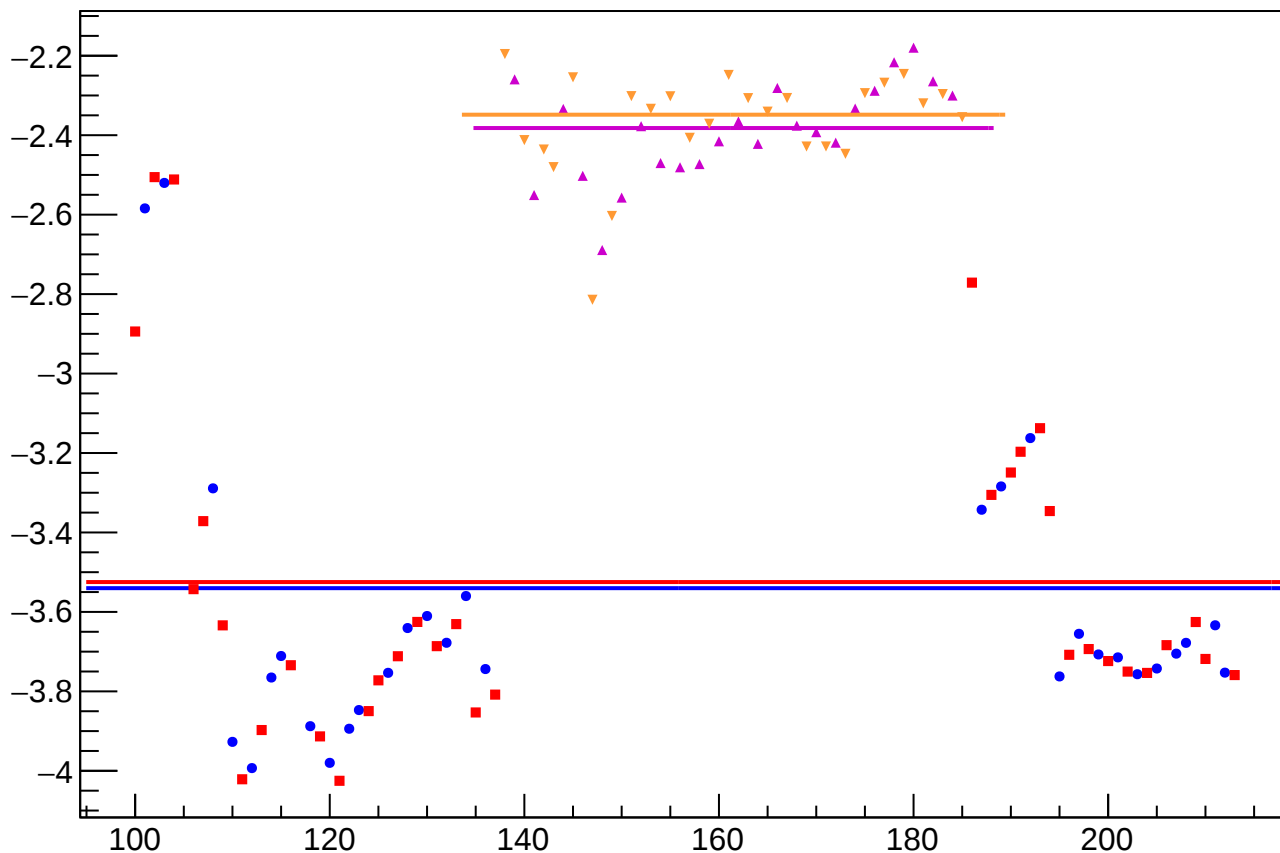
Right: 0.007+/-0.000 χ^2/NDF : 236278.6/63

In: 0.006+/-0.000 χ^2/NDF :1121885.8/52

Out: 0.006+/-0.000 χ^2/NDF :1140243.0/58

All: 0.006+/-0.000 χ^2/NDF : 2262136.9/111

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.540 $\pm$ 0.000 χ^2 /NDF: 30297689276.9/29

Left Out: -2.348 $\pm$ 0.000 χ^2 /NDF:2158686333.4/24

Right Out: -3.525 $\pm$ 0.000 χ^2 /NDF: 31318054954.9/33

Left In: -2.382 $\pm$ 0.000 χ^2 /NDF:2318395228.4/22

Left: -2.365 $\pm$ 0.000 χ^2 /NDF: 4600738143.2/47

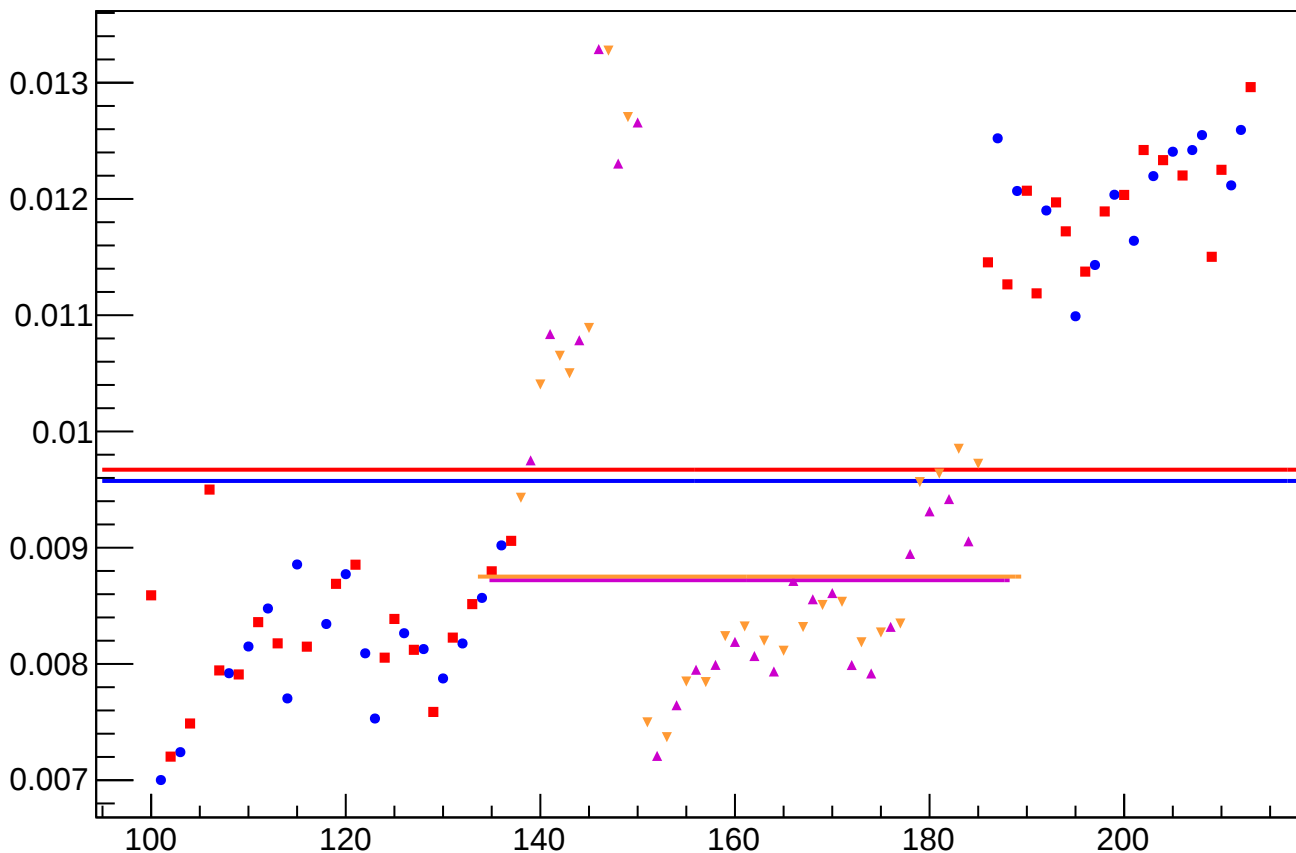
Right: -3.532 $\pm$ 0.000 χ^2 /NDF: 61635619204.2/63

In: -2.884 $\pm$ 0.000 χ^2 /NDF:156723341757.4/52

Out: -2.860 $\pm$ 0.000 χ^2 /NDF:168796876262.4/58

All: -2.872 $\pm$ 0.000 χ^2 /NDF: 325635635781.8

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1304044.2/29

Left Out: 0.009+/-0.000 χ^2/NDF : 663672.8/24

Right Out: 0.010+/-0.000 χ^2/NDF : 1274912.0/33

Left In: 0.009+/-0.000 χ^2/NDF : 747867.0/22

Left: 0.009+/-0.000 χ^2/NDF : 1411749.0/47

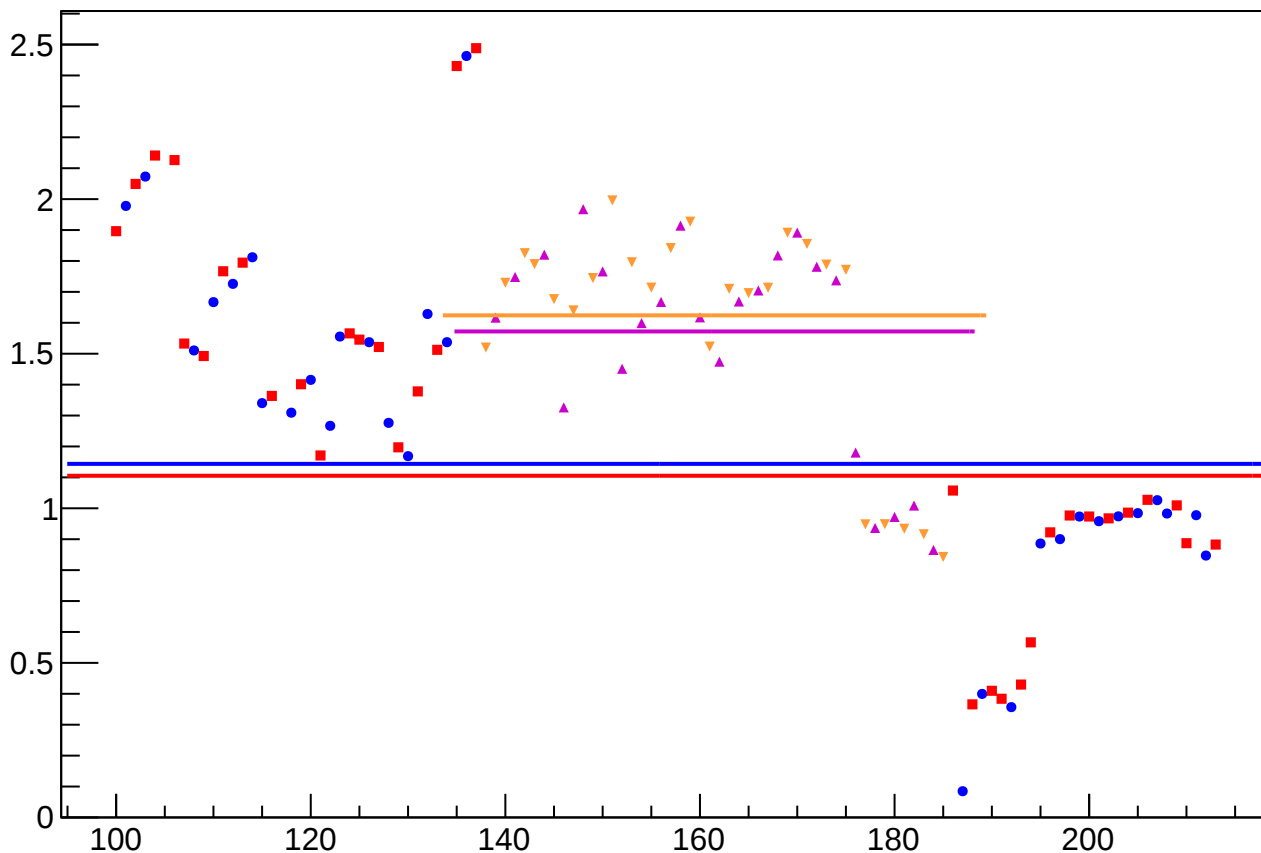
Right: 0.010+/-0.000 χ^2/NDF : 2580532.8/63

In: 0.009+/-0.000 χ^2/NDF : 2186768.0/52

Out: 0.009+/-0.000 χ^2/NDF : 2103981.5/58

All: 0.009+/-0.000 χ^2/NDF : 4292166.5/111

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.144 $\pm$ 0.000 χ^2/NDF : 28171461543.3/29

Left Out: 1.624 $\pm$ 0.000 χ^2/NDF : 16631112386.4/24

Right Out: 1.105 $\pm$ 0.000 χ^2/NDF : 33157275731.4/33

Left In: 1.572 $\pm$ 0.000 χ^2/NDF : 14230484809.4/22

Left: 1.599 $\pm$ 0.000 χ^2/NDF : 31067753064.6/47

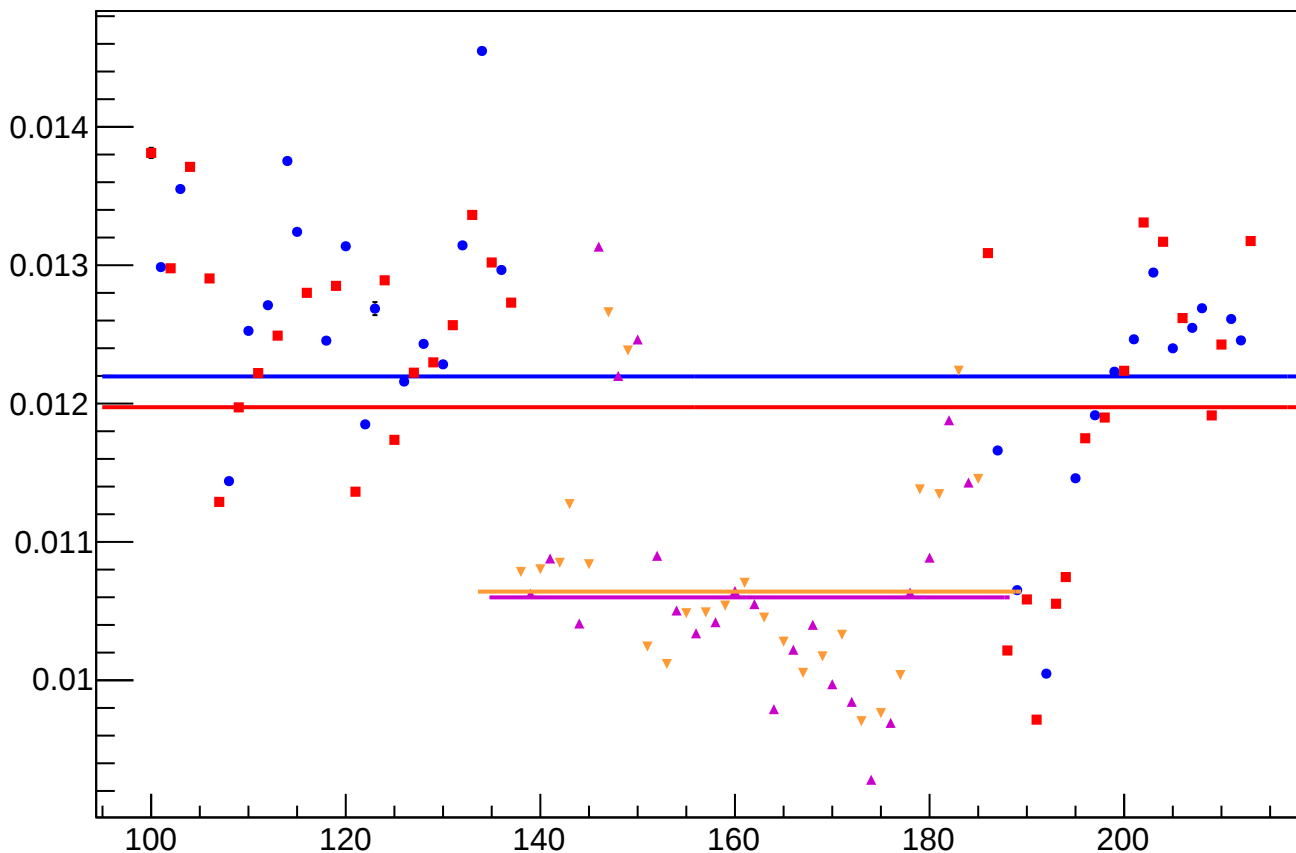
Right: 1.123 $\pm$ 0.000 χ^2/NDF : 61410300122.2/63

In: 1.394 $\pm$ 0.000 χ^2/NDF : 53646110400.6/52

Out: 1.402 $\pm$ 0.000 χ^2/NDF : 67765248441.9/58

All: 1.398 $\pm$ 0.000 χ^2/NDF : 121419256670.6

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 171602.0/29

Left Out: 0.011+/-0.000 χ^2/NDF :159760.9/24

Right Out: 0.012+/-0.000 χ^2/NDF : 245510.7/33

Left In: 0.011+/-0.000 χ^2/NDF :204531.5/22

Left: 0.011+/-0.000 χ^2/NDF : 364556.9/47

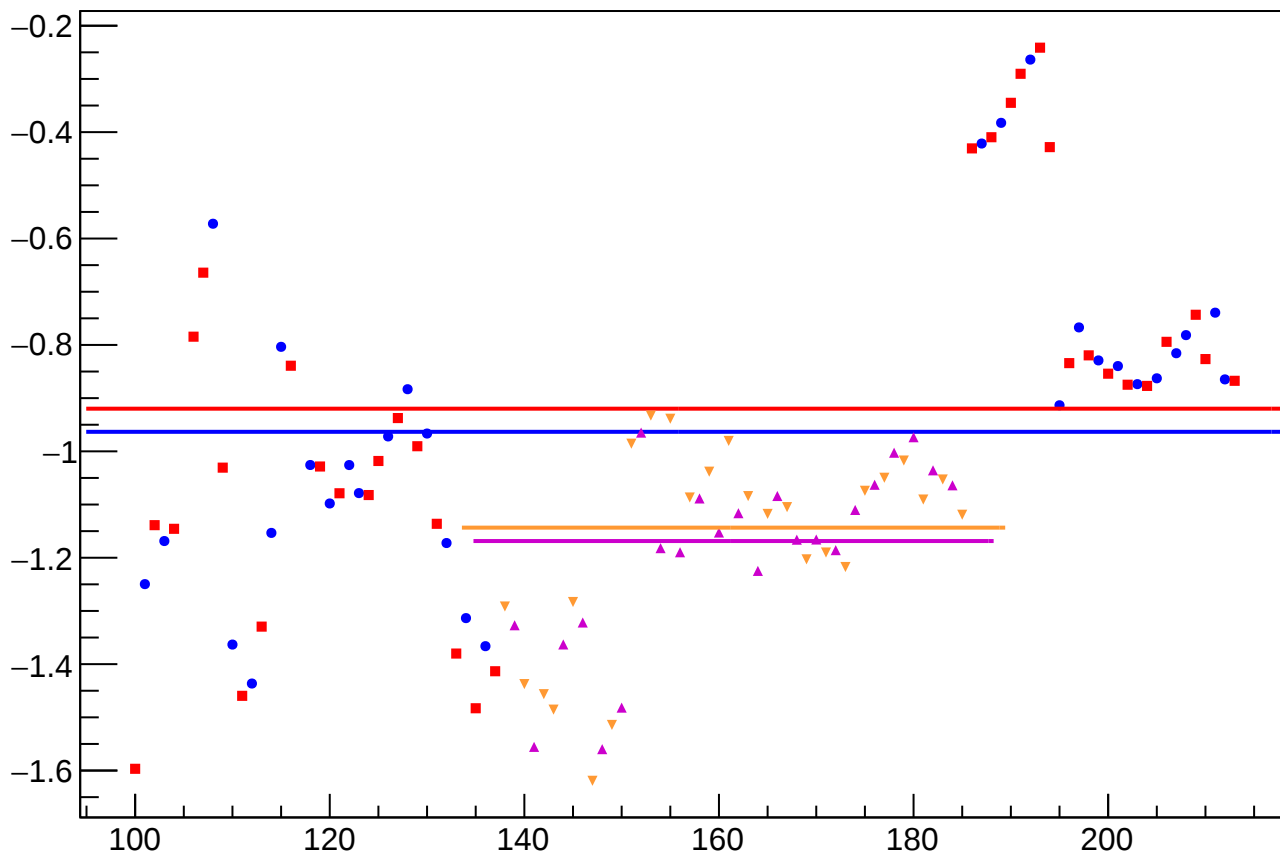
Right: 0.012+/-0.000 χ^2/NDF : 422571.1/63

In: 0.011+/-0.000 χ^2/NDF :688790.0/52

Out: 0.011+/-0.000 χ^2/NDF :642550.8/58

All: 0.011+/-0.000 χ^2/NDF : 1332006.6/111

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -0.963+/-0.000 χ^2/NDF : 11432121260.5/29

Left Out: -1.143+/-0.000 χ^2/NDF : 7976364534.0/24

Right Out: -0.920+/-0.000 χ^2/NDF : 16091002804.6/33

Left In: -1.169+/-0.000 χ^2/NDF : 6362643368.6/22

Left: -1.156+/-0.000 χ^2/NDF : 14424995220.9/47

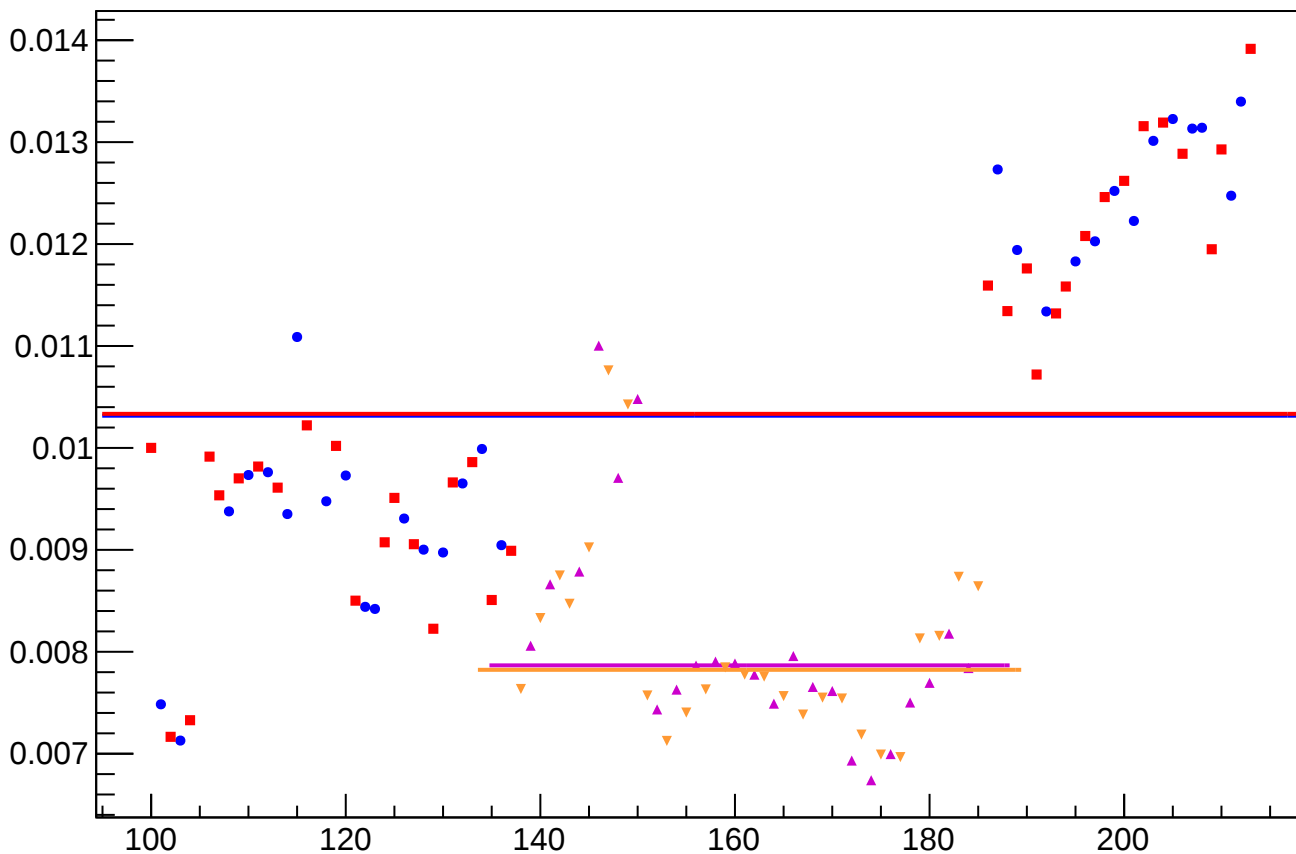
Right: -0.941+/-0.000 χ^2/NDF : 27660451652.3/63

In: -1.097+/-0.000 χ^2/NDF : 21644521610.6/52

Out: -1.065+/-0.000 χ^2/NDF : 28965096287.5/58

All: -1.081+/-0.000 χ^2/NDF : 50821255782.3/112

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF : 1110256.6/29

Left Out: 0.008+/-0.000 χ^2/NDF :336387.6/24

Right Out: 0.010+/-0.000 χ^2/NDF : 1100601.8/33

Left In: 0.008+/-0.000 χ^2/NDF :379901.3/22

Left: 0.008+/-0.000 χ^2/NDF : 716803.8/47

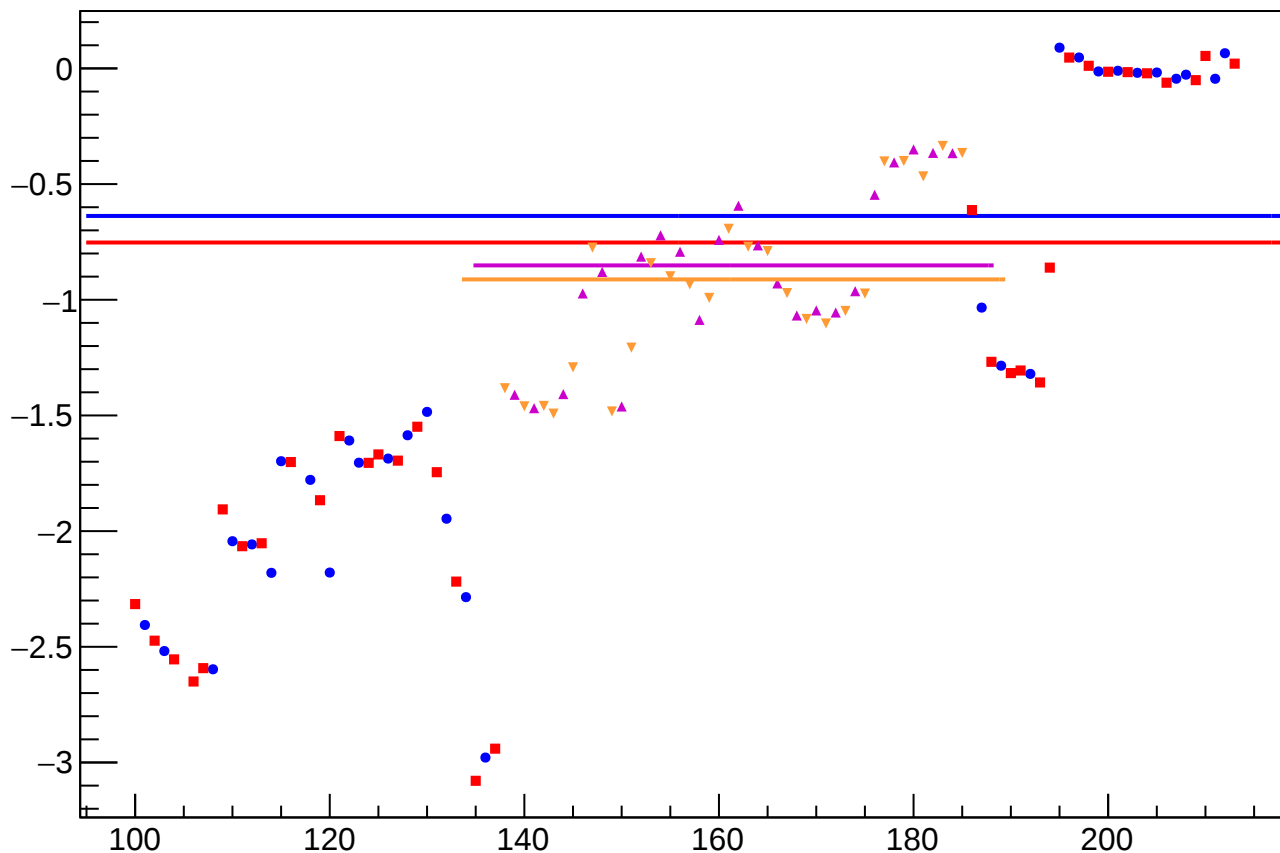
Right: 0.010+/-0.000 χ^2/NDF : 2210905.8/63

In: 0.009+/-0.000 χ^2/NDF :2586095.4/52

Out: 0.009+/-0.000 χ^2/NDF :2672636.3/58

All: 0.009+/-0.000 χ^2/NDF : 5258873.7/111

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -0.638 $\pm$ 0.000

χ^2 /NDF: 387668125098.1/29

Left: -0.882 $\pm$ 0.000

χ^2 /NDF: 96285672564.6/47

Left Out: -0.912 $\pm$ 0.000

χ^2 /NDF: 49039425818.1/24

Right: -0.700 $\pm$ 0.000

χ^2 /NDF: 810793382233.9/63

Right Out: -0.753 $\pm$ 0.000

χ^2 /NDF: 420187253668.8/33

In: -0.747 $\pm$ 0.000

χ^2 /NDF: 443781638875.1/52

Out: -0.829 $\pm$ 0.000

χ^2 /NDF: 475133313098.4/58

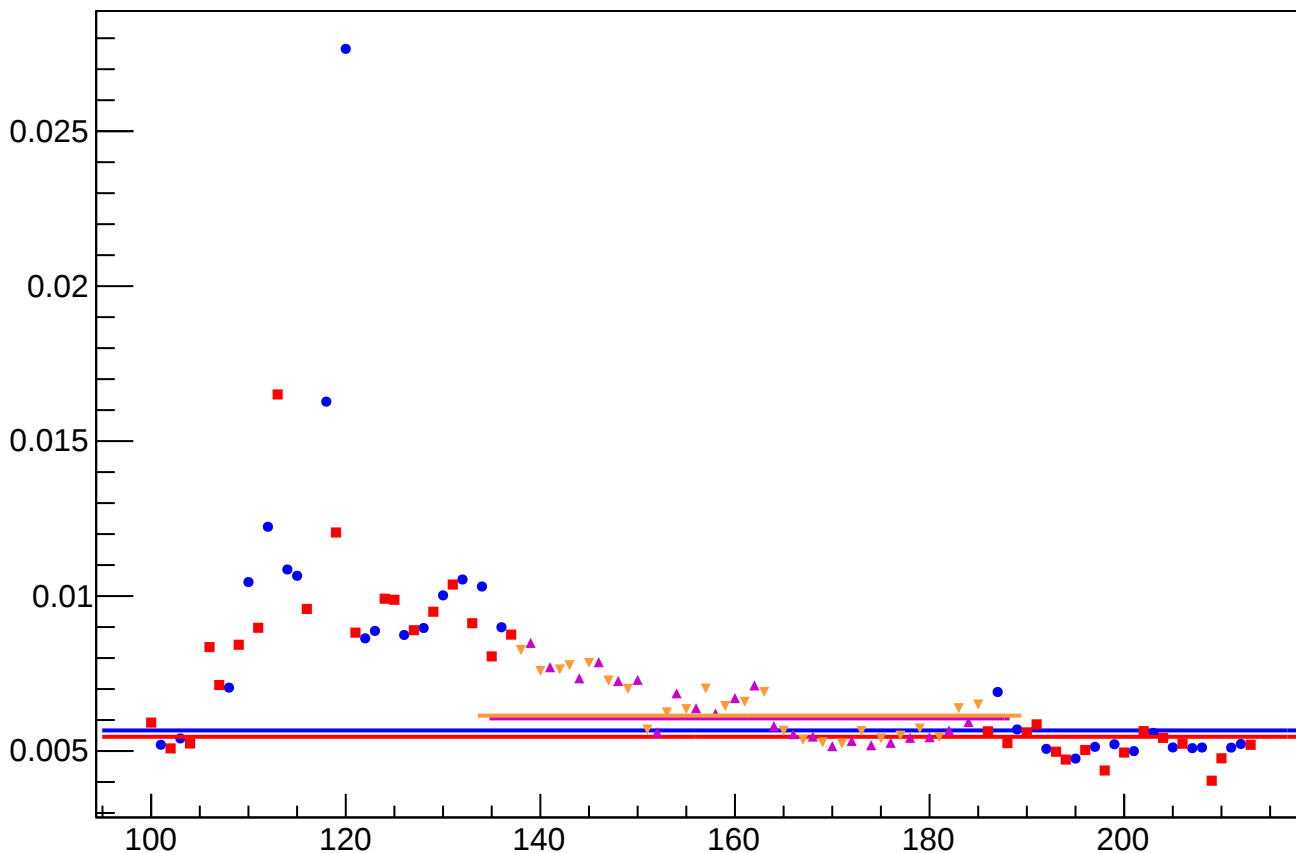
Left In: -0.851 $\pm$ 0.000

χ^2 /NDF: 46438446008.2/22

All: -0.790 $\pm$ 0.000

χ^2 /NDF: 921860675709.1

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 2056946.5/29

Left Out: 0.006+/-0.000 χ^2/NDF :637765.4/24

Right Out: 0.005+/-0.000 χ^2/NDF : 2130057.0/33

Left In: 0.006+/-0.000 χ^2/NDF :697577.8/22

Left: 0.006+/-0.000 χ^2/NDF : 1338871.2/47

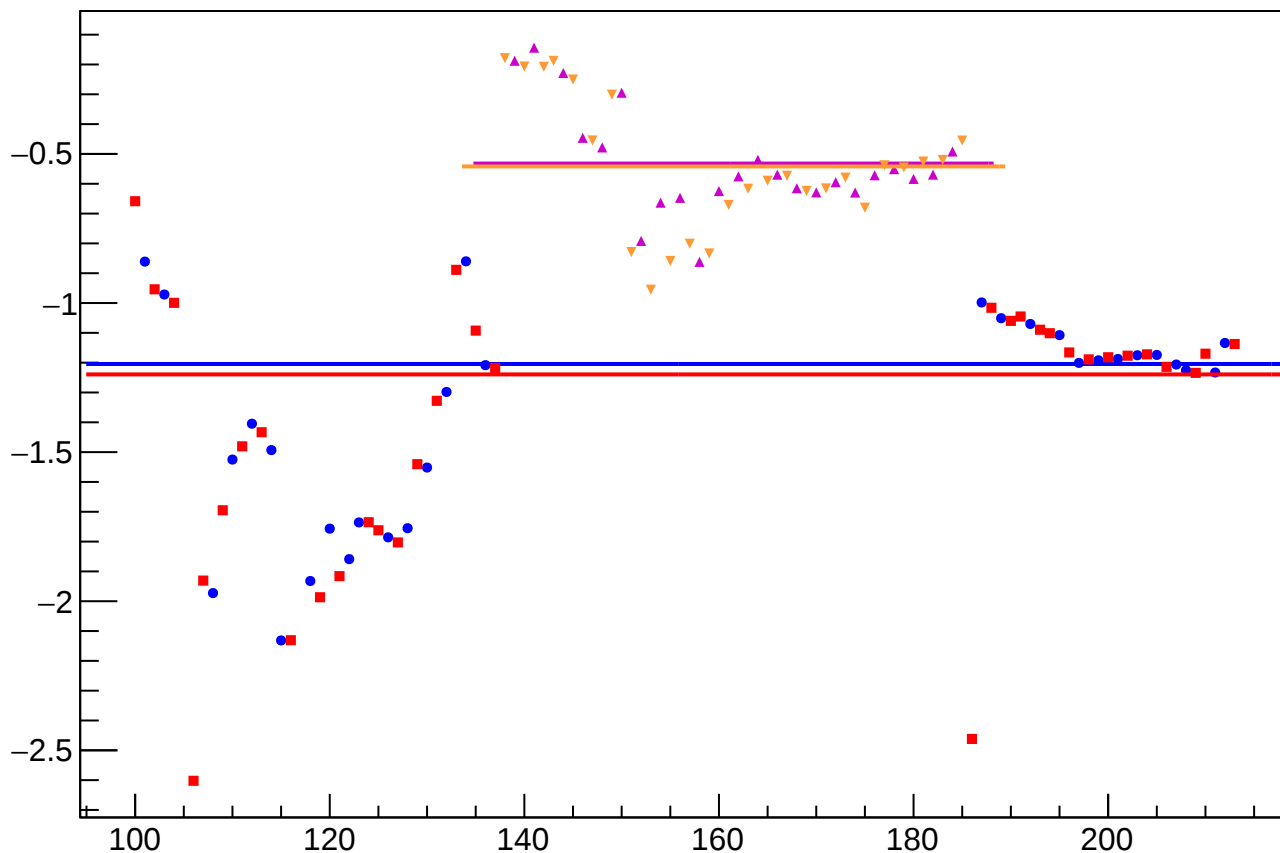
Right: 0.006+/-0.000 χ^2/NDF : 4205766.0/63

In: 0.006+/-0.000 χ^2/NDF :2818220.6/52

Out: 0.006+/-0.000 χ^2/NDF :2983984.6/58

All: 0.006+/-0.000 χ^2/NDF : 5807520.3/111

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.204 $\pm$ 0.000 χ^2/NDF : 26581599160.8/29

Left Out: -0.542 $\pm$ 0.000 χ^2/NDF : 47268284910.3/24

Right Out: -1.239 $\pm$ 0.000 χ^2/NDF : 79541584147.8/33

Left In: -0.532 $\pm$ 0.000 χ^2/NDF : 30715235426.8/22

Left: -0.537 $\pm$ 0.000 χ^2/NDF : 78028833870.1/47

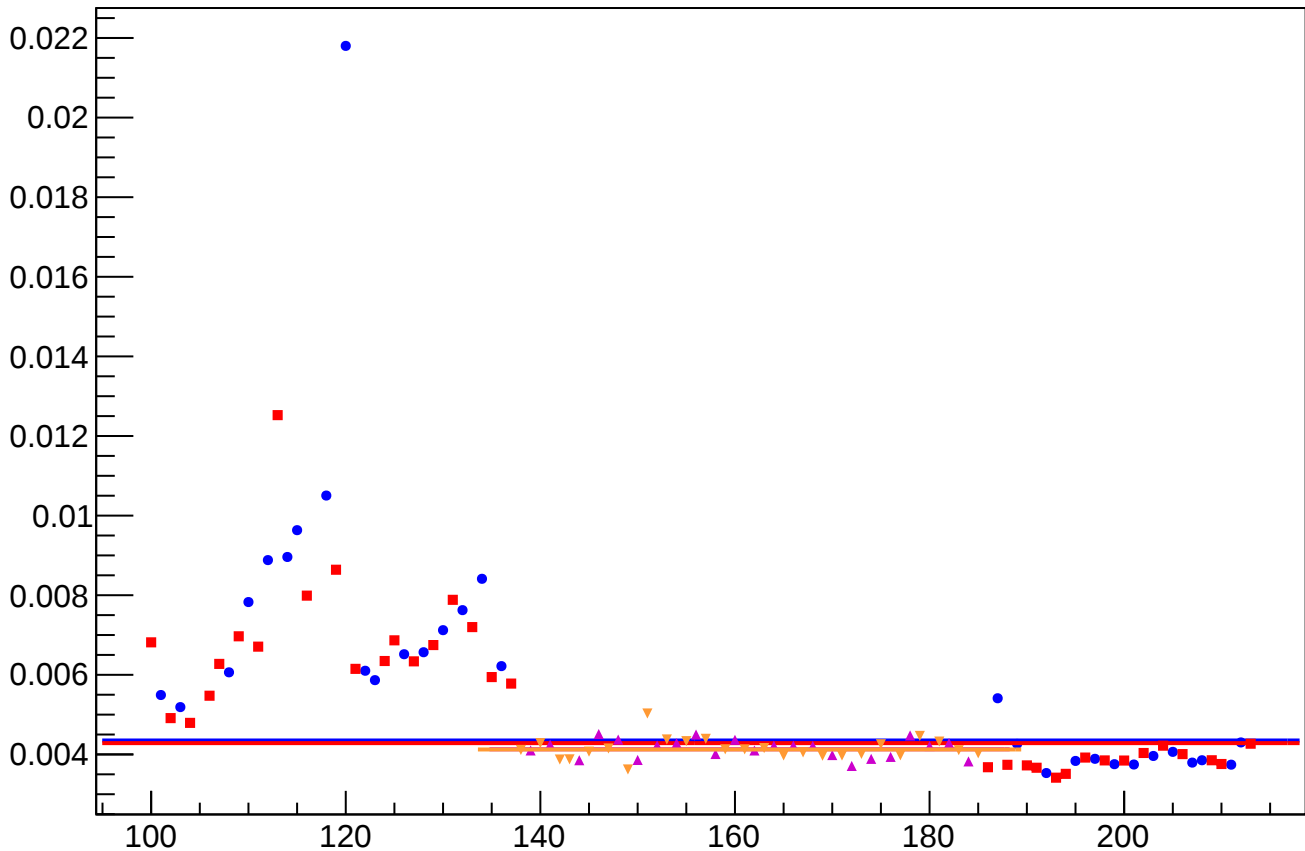
Right: -1.223 $\pm$ 0.000 χ^2/NDF : 106573846447.9/63

In: -0.819 $\pm$ 0.000 χ^2/NDF : 237856448950.6/52

Out: -0.850 $\pm$ 0.000 χ^2/NDF : 339812604769.6/58

All: -0.835 $\pm$ 0.000 χ^2/NDF : 578475608705.6

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 2069665.2/29

Left Out: 0.004+/-0.000 χ^2/NDF :113033.9/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1889295.5/33

Left In: 0.004+/-0.000 χ^2/NDF :93111.2/22

Left: 0.004+/-0.000 χ^2/NDF : 206172.1/47

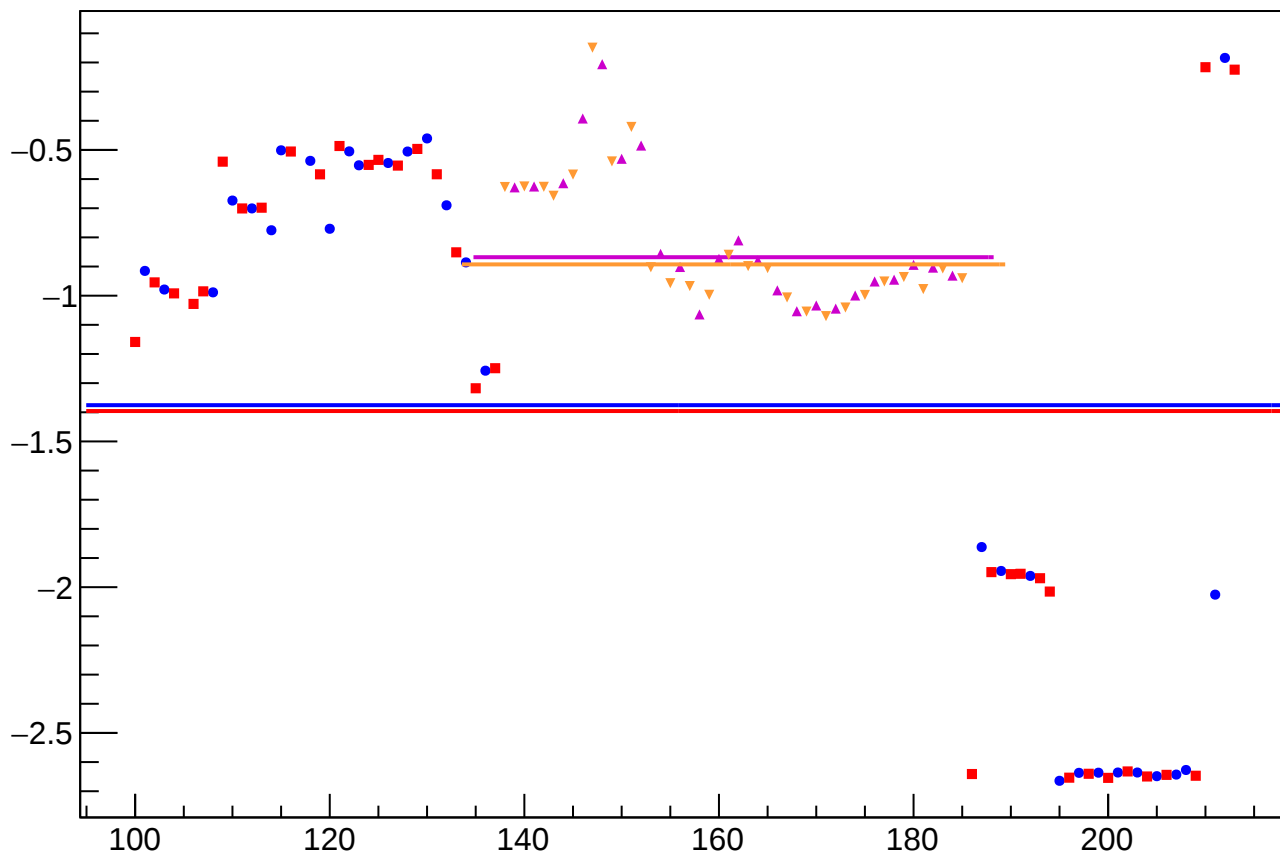
Right: 0.004+/-0.000 χ^2/NDF : 3962201.2/63

In: 0.004+/-0.000 χ^2/NDF :2201597.0/52

Out: 0.004+/-0.000 χ^2/NDF :2024590.0/58

All: 0.004+/-0.000 χ^2/NDF : 4227613.7/111

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.376+/-0.000

χ^2/NDF : 414750210012.2/29

Left: -0.880+/-0.000

χ^2/NDF : 84980637247.0/47

Left Out: -0.893+/-0.000

χ^2/NDF : 40787012603.8/24

Right: -1.387+/-0.000

χ^2/NDF : 1005470937734.9/6

Right Out: -1.396+/-0.000

χ^2/NDF : 590587816086.1/33

In: -1.037+/-0.000

χ^2/NDF : 554366286919.4/52

Out: -1.102+/-0.000

χ^2/NDF : 749796234479.0/58

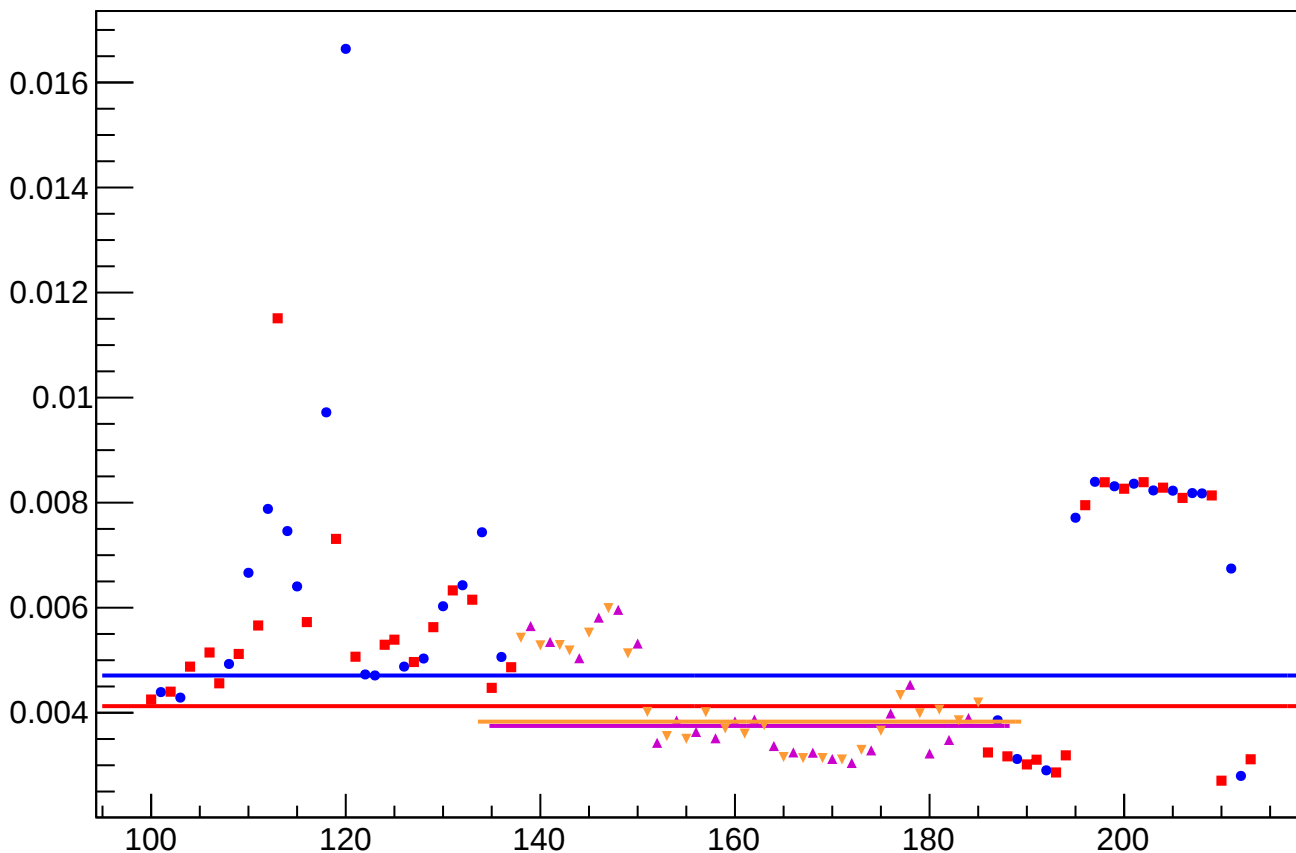
Left In: -0.868+/-0.000

χ^2/NDF : 43853190177.2/22

All: -1.072+/-0.000

χ^2/NDF : 1307916642452

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 4740182.9/29

Left Out: 0.004+/-0.000 χ^2/NDF :1179801.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 4712771.9/33

Left In: 0.004+/-0.000 χ^2/NDF :1288490.4/22

Left: 0.004+/-0.000 χ^2/NDF : 2475792.1/47

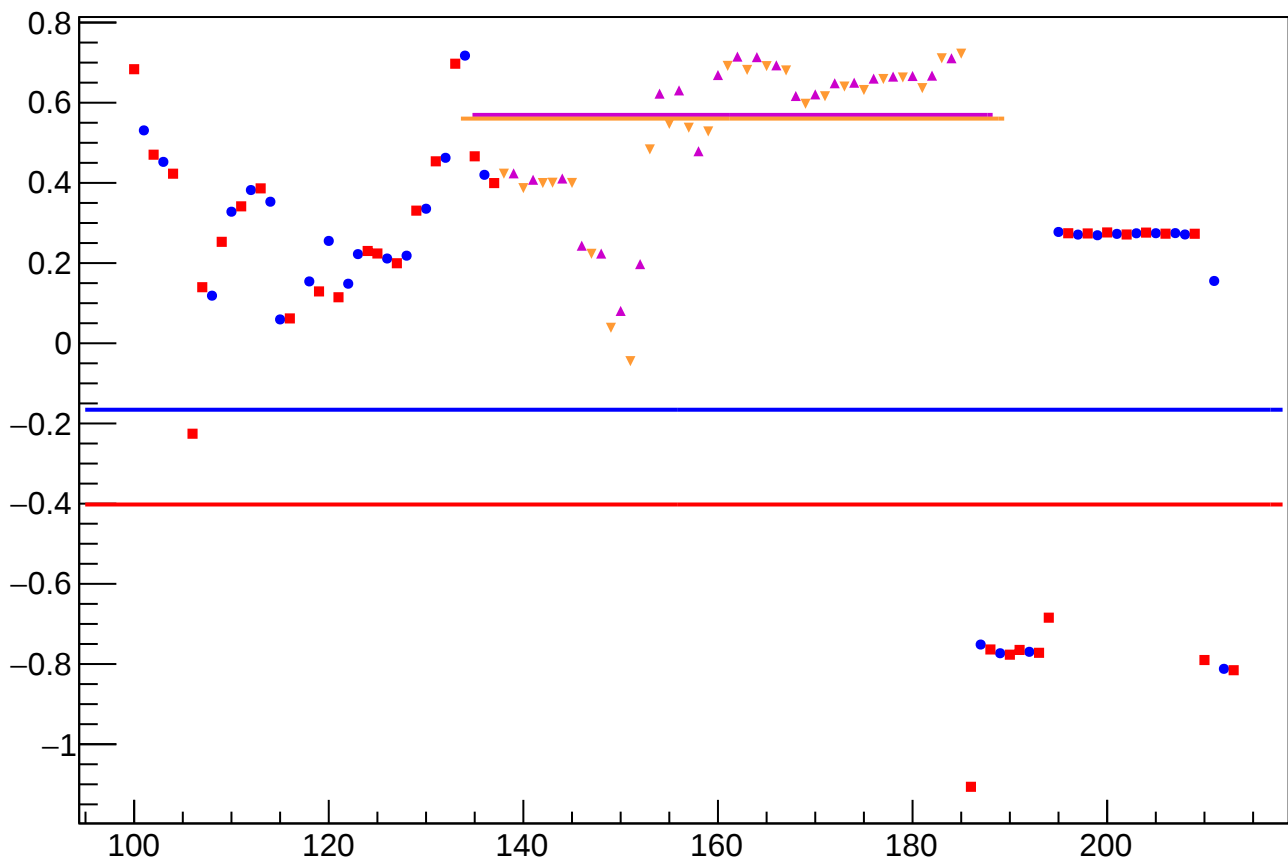
Right: 0.004+/-0.000 χ^2/NDF : 9676597.0/63

In: 0.004+/-0.000 χ^2/NDF :6713764.2/52

Out: 0.004+/-0.000 χ^2/NDF :5973937.7/58

All: 0.004+/-0.000 χ^2/NDF : 12711510.3/111

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.166 $\pm$ 0.000 χ^2/NDF : 349883690794.5/29

Left Out: 0.560 $\pm$ 0.000 χ^2/NDF : 45205806387.2/24

Right Out: -0.402 $\pm$ 0.000 χ^2/NDF : 515809360427.2/33

Left In: 0.570 $\pm$ 0.000 χ^2/NDF : 42104067973.0/22

Left: 0.565 $\pm$ 0.000 χ^2/NDF : 87378176036.1/47

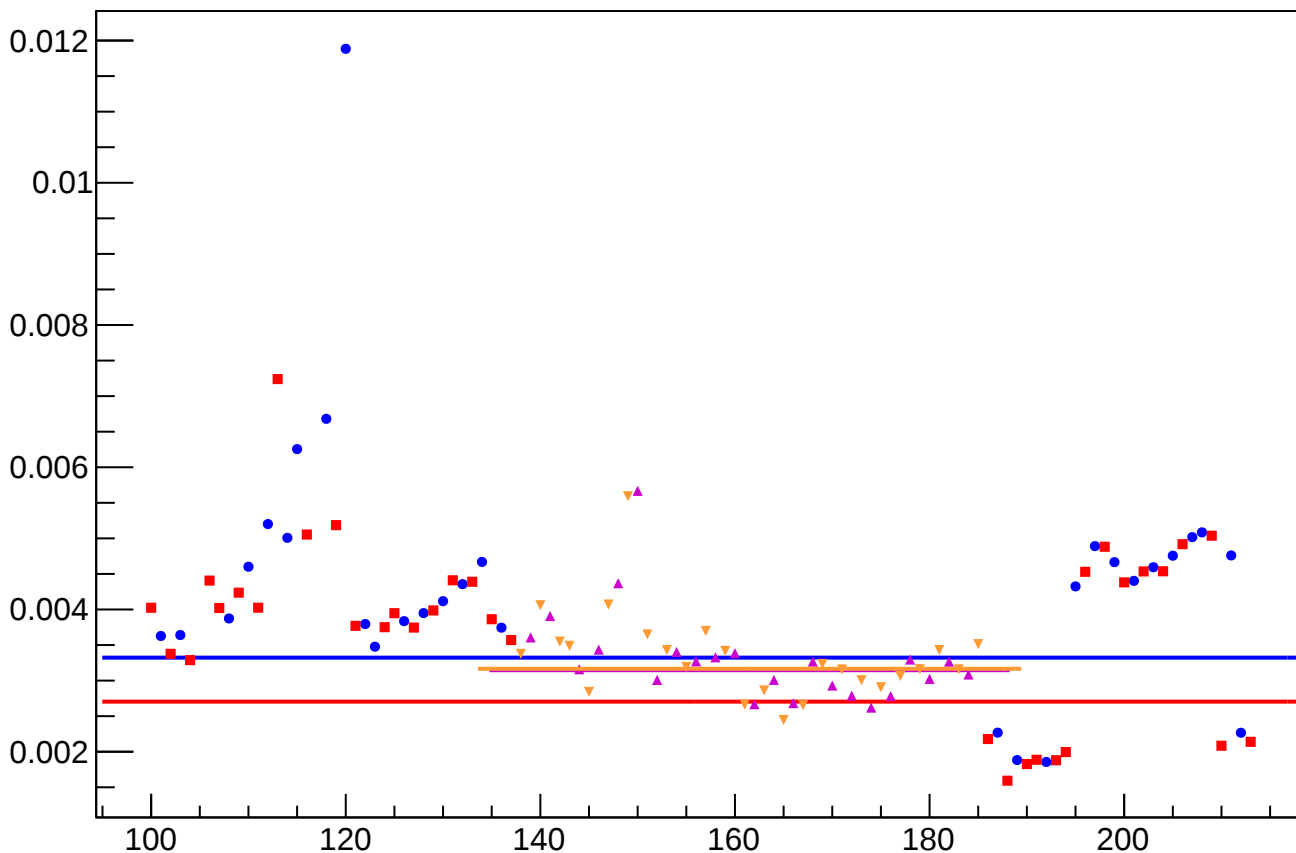
Right: -0.310 $\pm$ 0.000 χ^2/NDF : 905383342047.6/63

In: 0.255 $\pm$ 0.000 χ^2/NDF : 752963394185.2/52

Out: 0.052 $\pm$ 0.000 χ^2/NDF : 1353376842537.3/58

All: 0.142 $\pm$ 0.000 χ^2/NDF : 2168816078402.0

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 3869126.2/29

Left Out: 0.003+/-0.000 χ^2/NDF : 744886.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5024490.5/33

Left In: 0.003+/-0.000 χ^2/NDF : 716402.8/22

Left: 0.003+/-0.000 χ^2/NDF : 1461906.1/47

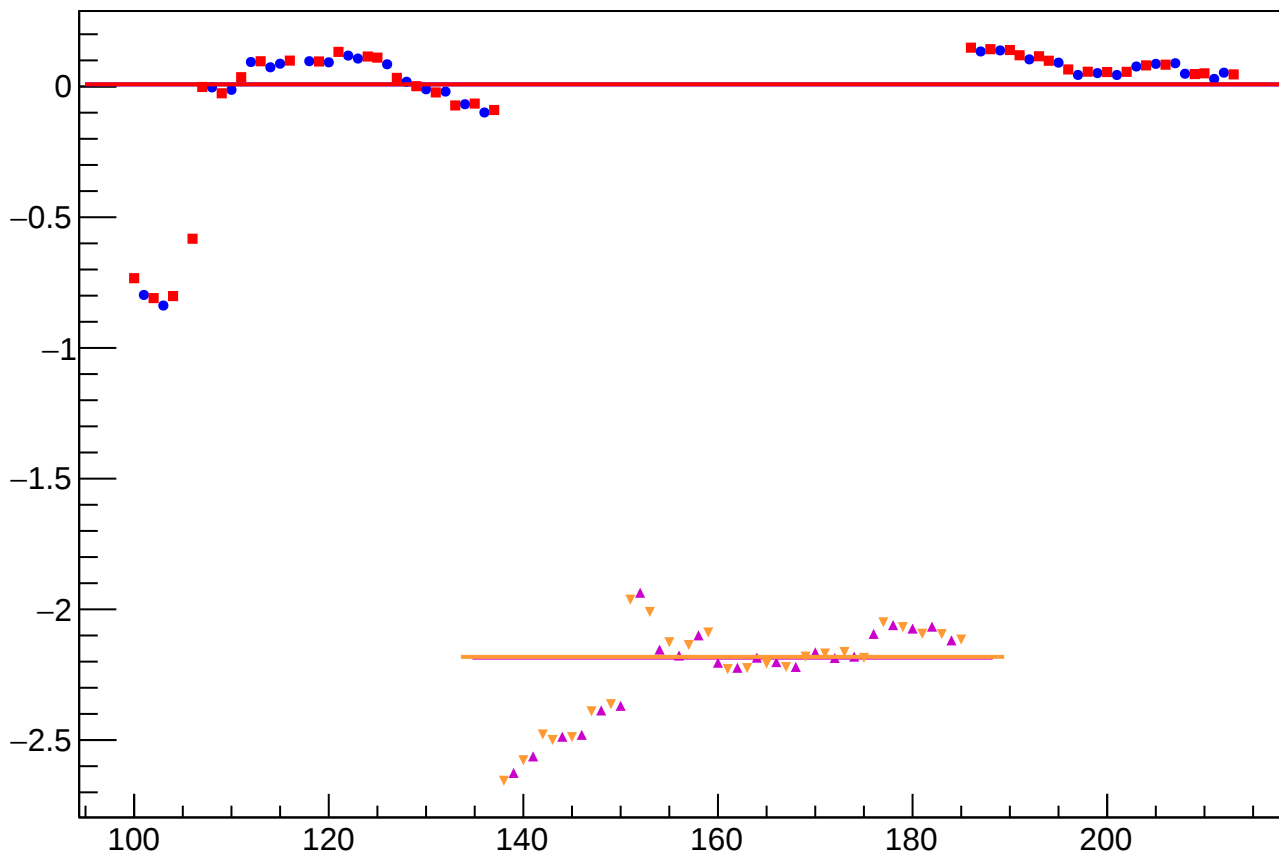
Right: 0.003+/-0.000 χ^2/NDF : 9437741.5/63

In: 0.003+/-0.000 χ^2/NDF : 4627213.7/52

Out: 0.003+/-0.000 χ^2/NDF : 6134265.9/58

All: 0.003+/-0.000 χ^2/NDF : 11035024.2/111

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.000

χ^2/NDF : 5909991468.2/29

Left: -2.183+/-0.000

χ^2/NDF : 7382310821.5/47

Left Out: -2.182+/-0.000

χ^2/NDF : 4008829567.0/24

Right: 0.008+/-0.000

χ^2/NDF : 12893477101.5/63

Right Out: 0.008+/-0.000

χ^2/NDF : 6983479600.3/33

In: -1.160+/-0.000

χ^2/NDF : 362840231024.8/52

Out: -1.139+/-0.000

χ^2/NDF : 394230886192.2/58

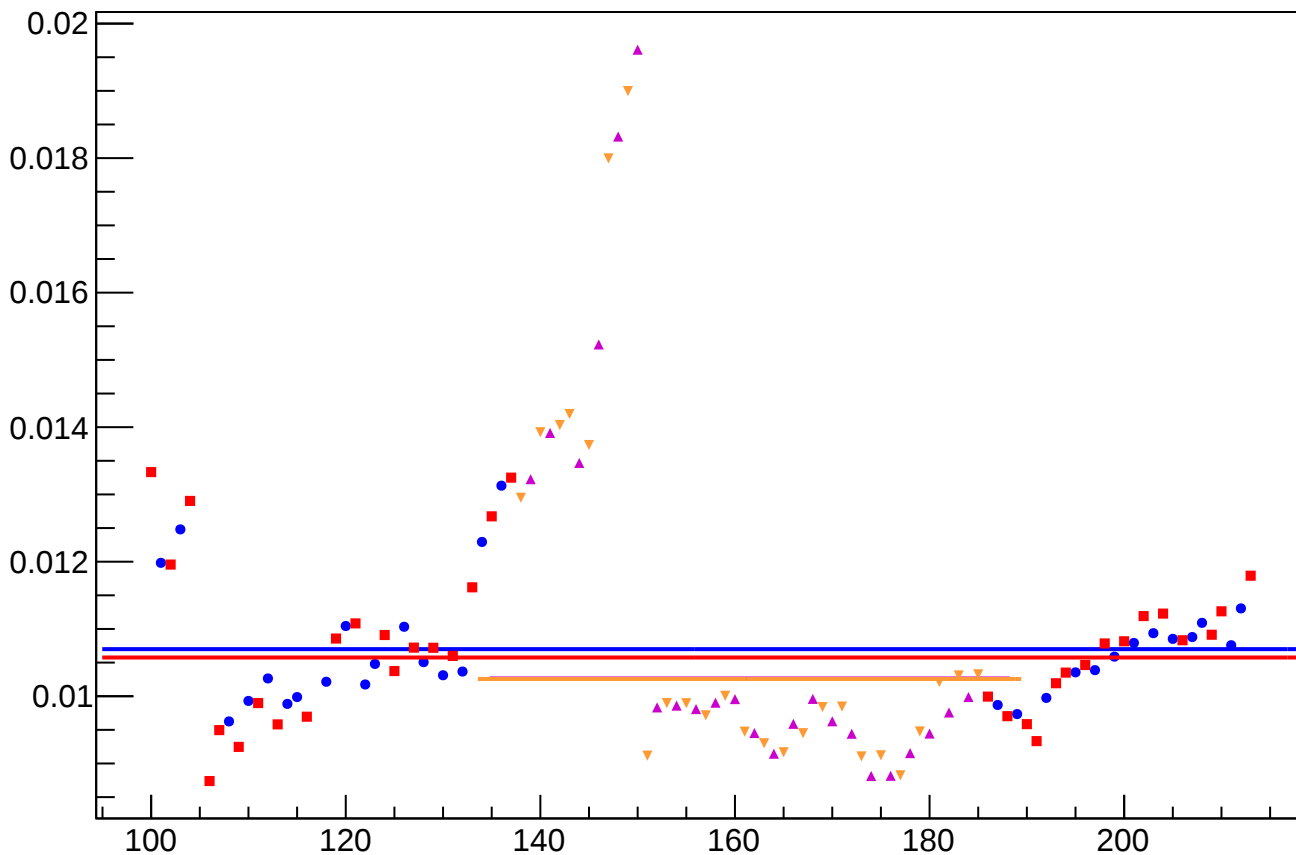
Left In: -2.185+/-0.000

χ^2/NDF : 3372742534.3/22

All: -1.149+/-0.000

χ^2/NDF : 757143381749.9

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 158335.1/29

Left Out: 0.010+/-0.000 χ^2/NDF :1270617.6/24

Right Out: 0.011+/-0.000 χ^2/NDF : 247355.9/33

Left In: 0.010+/-0.000 χ^2/NDF :1340264.2/22

Left: 0.010+/-0.000 χ^2/NDF : 2610893.2/47

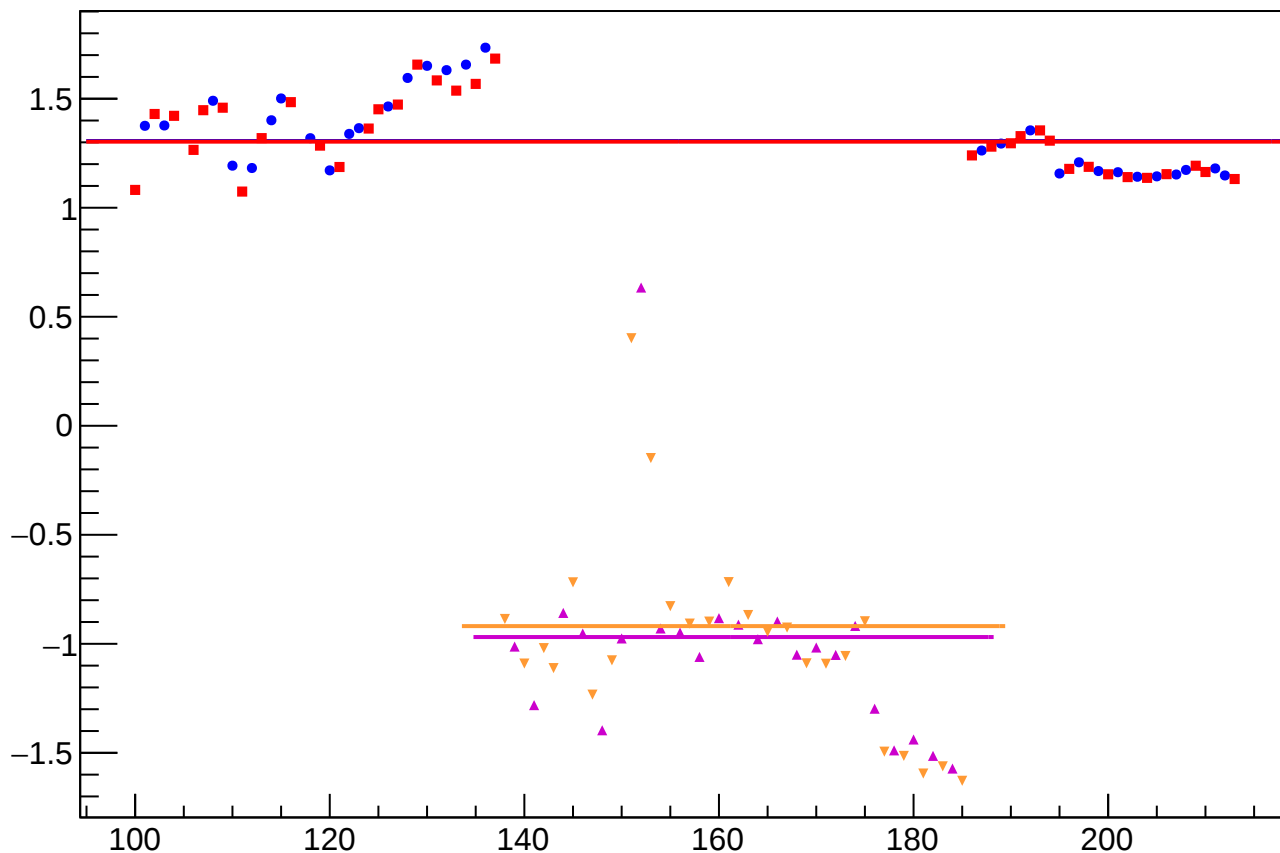
Right: 0.011+/-0.000 χ^2/NDF : 407937.7/63

In: 0.010+/-0.000 χ^2/NDF :1526514.3/52

Out: 0.010+/-0.000 χ^2/NDF :1534289.6/58

All: 0.010+/-0.000 χ^2/NDF : 3061899.9/111

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.306+/-0.000

χ^2/NDF : 8105255820.6/29

Left: -0.943+/-0.000

χ^2/NDF : 110825900215.1/47

Left Out: -0.919+/-0.000

χ^2/NDF : 55622252895.8/24

Right: 1.305+/-0.000

χ^2/NDF : 14608844880.1/63

Right Out: 1.303+/-0.000

χ^2/NDF : 6502505422.5/33

In: 0.231+/-0.000

χ^2/NDF : 716777189547.4/52

Out: 0.280+/-0.000

χ^2/NDF : 733487333208.2/58

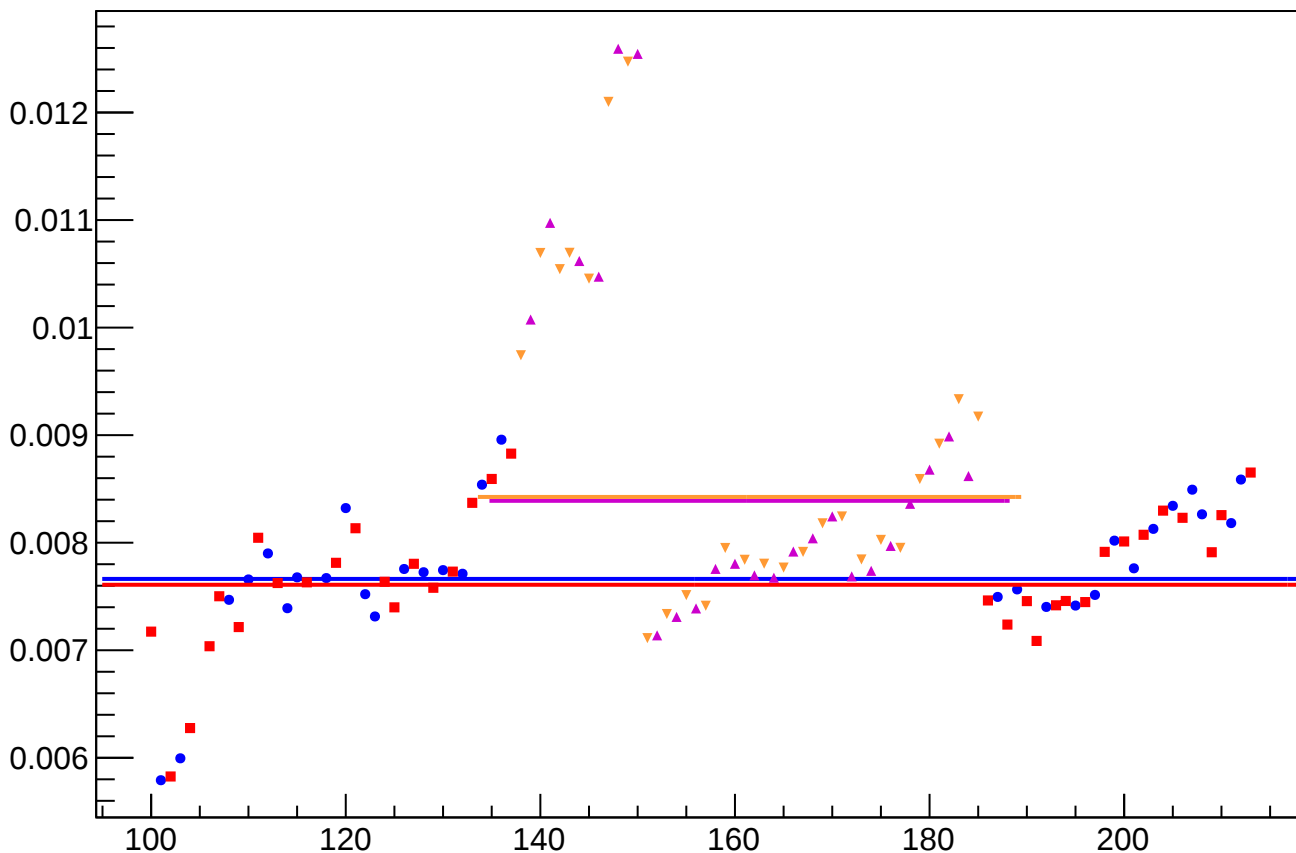
Left In: -0.969+/-0.000

χ^2/NDF : 54895002535.8/22

All: 0.256+/-0.000

χ^2/NDF : 1450877968420.

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 322568.4/29

Left Out: 0.008+/-0.000 χ^2/NDF : 792337.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 260066.2/33

Left In: 0.008+/-0.000 χ^2/NDF : 839880.4/22

Left: 0.008+/-0.000 χ^2/NDF : 1632536.0/47

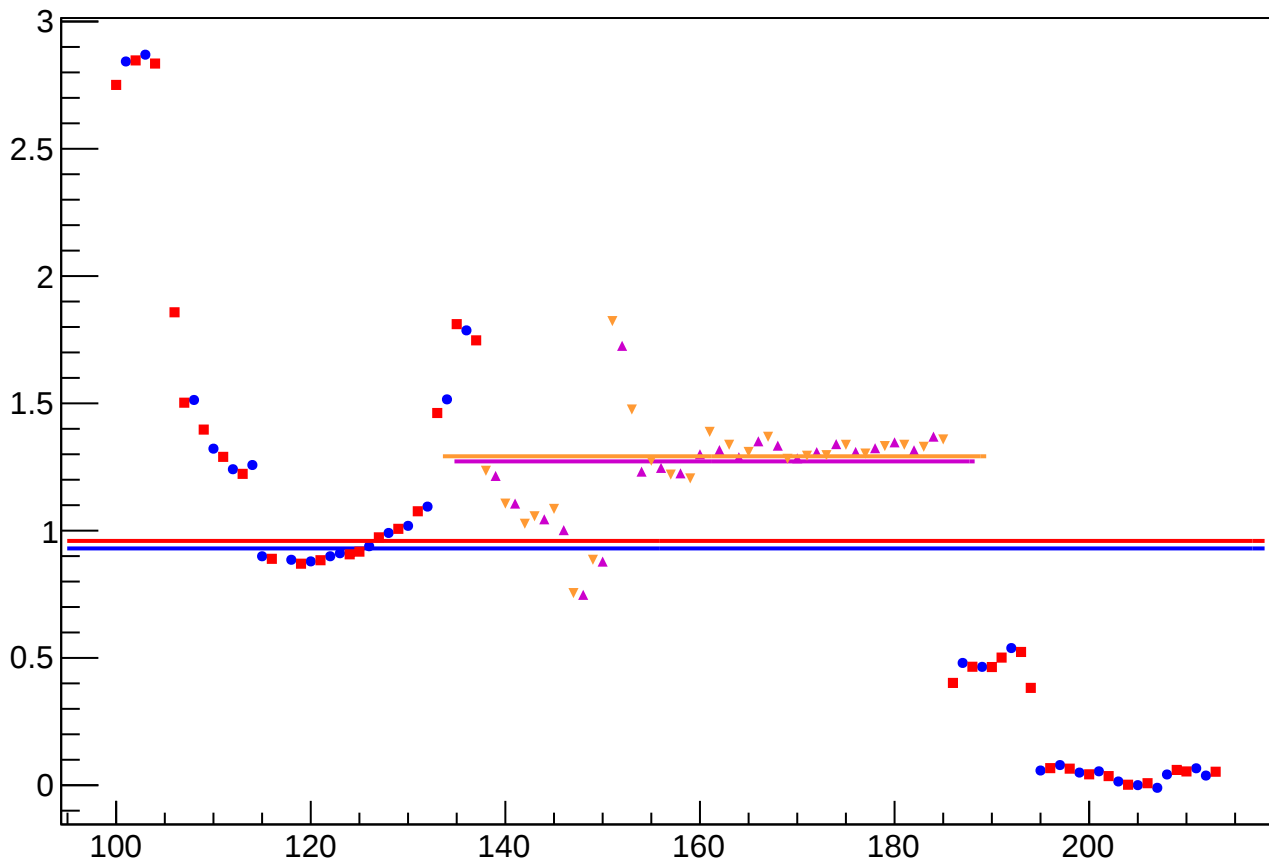
Right: 0.008+/-0.000 χ^2/NDF : 583462.8/63

In: 0.008+/-0.000 χ^2/NDF : 1295695.0/52

Out: 0.008+/-0.000 χ^2/NDF : 1233735.4/58

All: 0.008+/-0.000 χ^2/NDF : 2529667.5/111

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 0.930 ± 0.000 $\chi^2/\text{NDF}: 135522228841.1/29$

Left Out: 1.292 ± 0.000 $\chi^2/\text{NDF}: 9305298695.5/24$

Right Out: 0.960 ± 0.000 $\chi^2/\text{NDF}: 132467826342.6/33$

Left In: 1.272 ± 0.000 $\chi^2/\text{NDF}: 7573930981.2/22$

Left: 1.282 ± 0.000 $\chi^2/\text{NDF}: 16930321584.4/47$

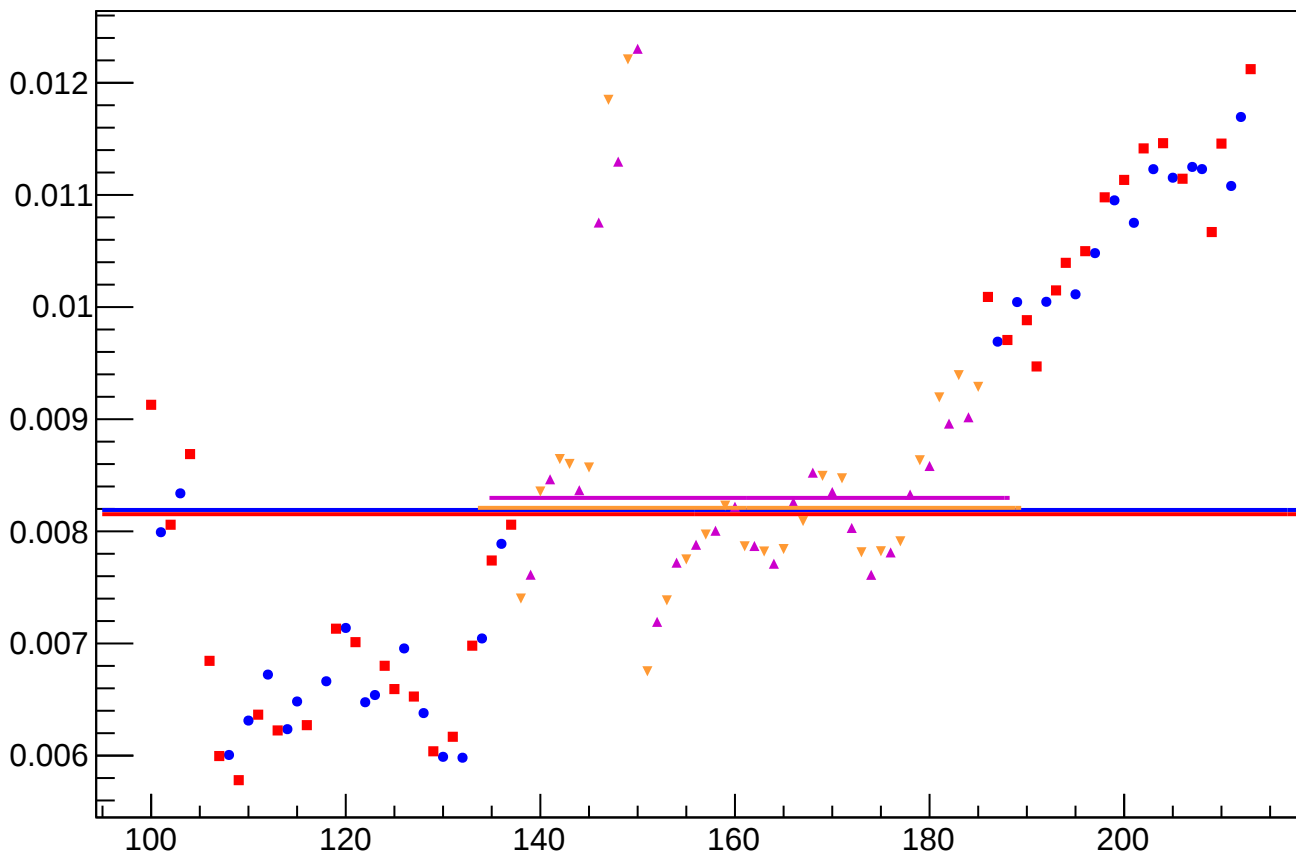
Right: 0.946 ± 0.000 $\chi^2/\text{NDF}: 268091493442.8/63$

In: 1.109 ± 0.000 $\chi^2/\text{NDF}: 156704179870.4/52$

Out: 1.132 ± 0.000 $\chi^2/\text{NDF}: 155739752245.6/58$

All: 1.121 ± 0.000 $\chi^2/\text{NDF}: 312580552644.1$

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 1839720.6/29

Left Out: 0.008+/-0.000 χ^2/NDF : 478864.9/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2068295.7/33

Left In: 0.008+/-0.000 χ^2/NDF : 462022.1/22

Left: 0.008+/-0.000 χ^2/NDF : 942877.3/47

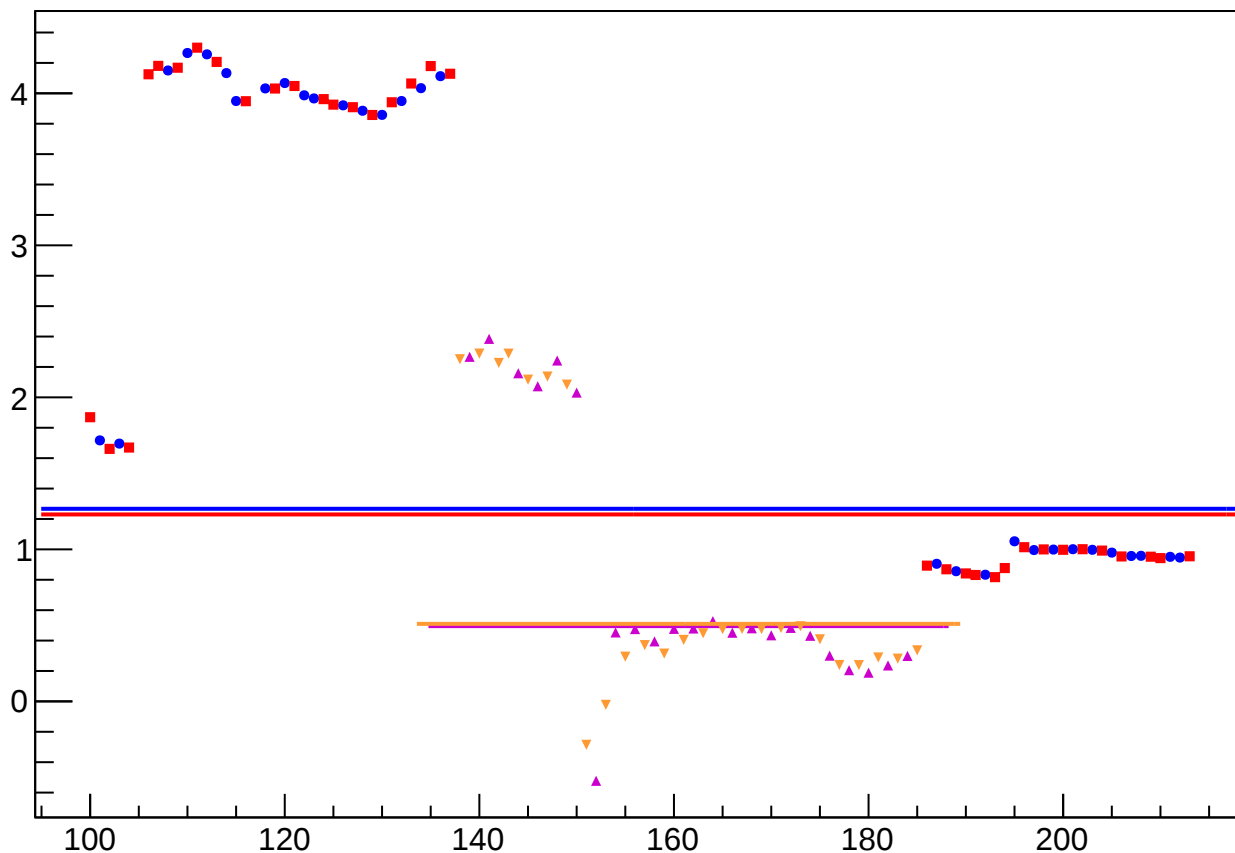
Right: 0.008+/-0.000 χ^2/NDF : 3908349.2/63

In: 0.008+/-0.000 χ^2/NDF : 2304440.1/52

Out: 0.008+/-0.000 χ^2/NDF : 2547973.6/58

All: 0.008+/-0.000 χ^2/NDF : 4854436.4/111

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.267+/-0.000 χ^2/NDF : 1516939505329.9/29

Left Out: 0.510+/-0.000 χ^2/NDF : 274818814912.4/24

Right Out: 1.230+/-0.000 χ^2/NDF : 1716529455397.1/33

Left In: 0.495+/-0.000 χ^2/NDF : 268863202792.4/22

Left: 0.503+/-0.000 χ^2/NDF : 543767842878.3/47

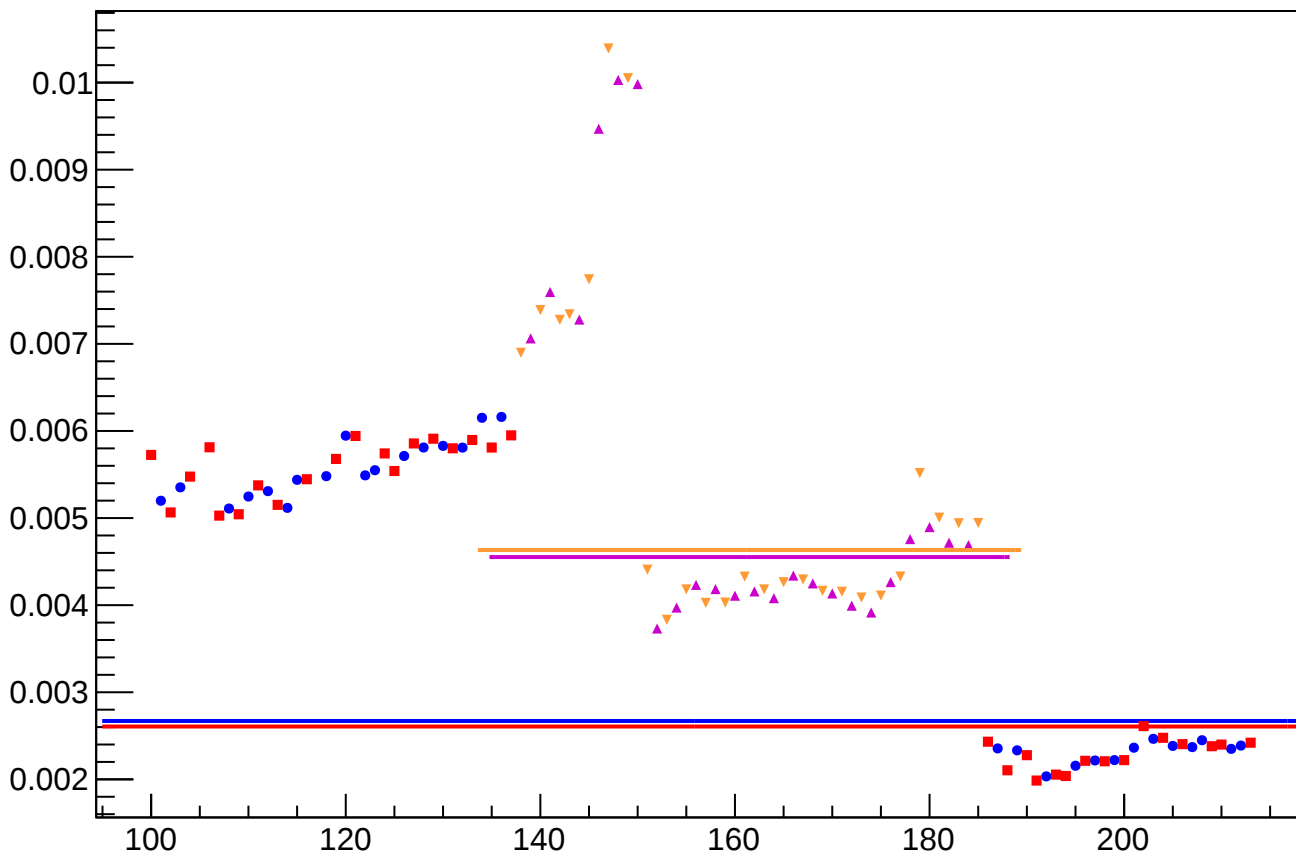
Right: 1.247+/-0.000 χ^2/NDF : 3234826069259.5/63

In: 1.043+/-0.000 χ^2/NDF : 2106101125162.2/52

Out: 1.035+/-0.000 χ^2/NDF : 2284698456078.5/58

All: 1.038+/-0.000 χ^2/NDF : 4390882334705.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 4183620.8/29

Left Out: 0.005+/-0.000 χ^2/NDF : 2114007.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 4474345.7/33

Left In: 0.005+/-0.000 χ^2/NDF : 2237666.9/22

Left: 0.005+/-0.000 χ^2/NDF : 4356682.7/47

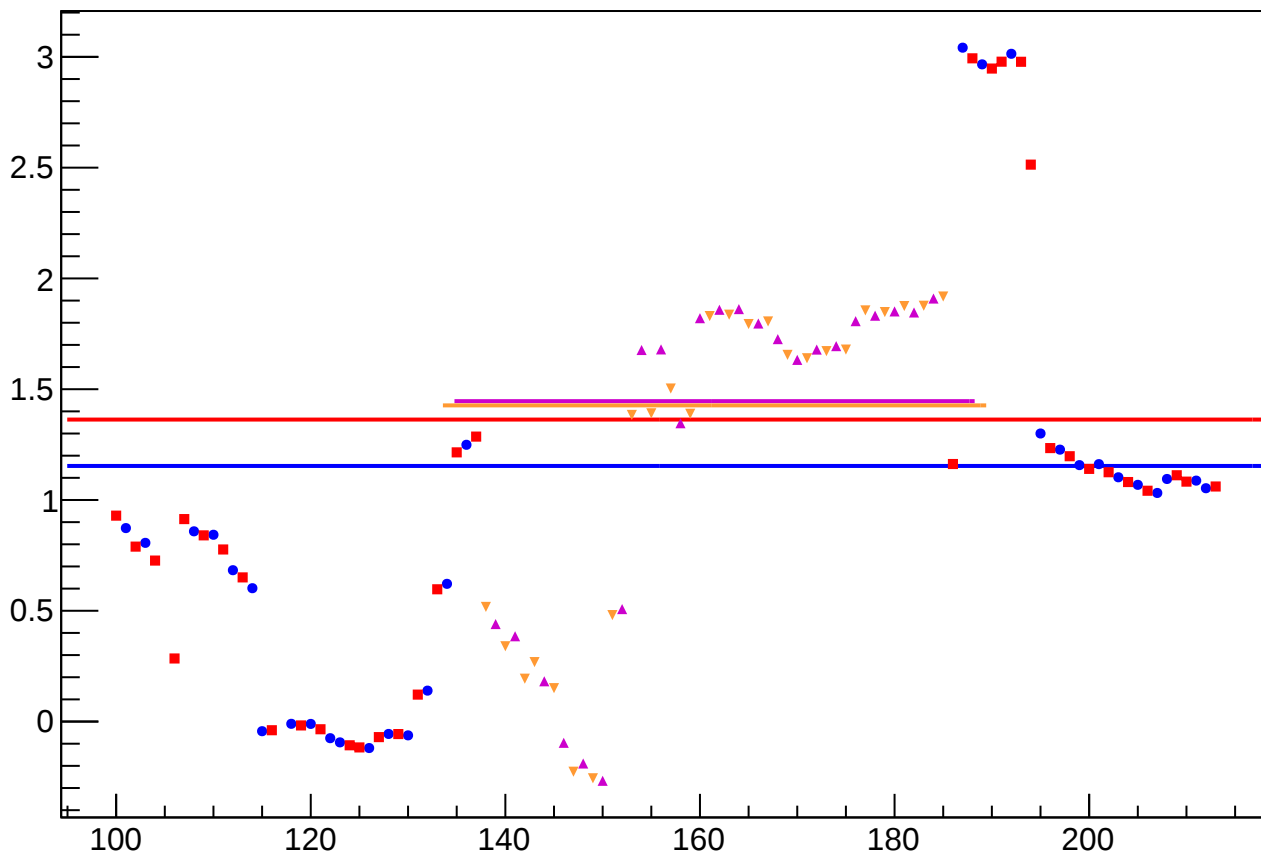
Right: 0.003+/-0.000 χ^2/NDF : 8665897.4/63

In: 0.003+/-0.000 χ^2/NDF : 10228941.6/52

Out: 0.003+/-0.000 χ^2/NDF : 11238253.6/58

All: 0.003+/-0.000 χ^2/NDF : 21477596.6/111

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.154+/-0.000 χ^2/NDF : 72861504139.5/29

Left Out: 1.427+/-0.000 χ^2/NDF : 49990787038.3/24

Right Out: 1.363+/-0.000 χ^2/NDF : 101181373221.0/33

Left In: 1.446+/-0.000 χ^2/NDF : 53752493130.3/22

Left: 1.436+/-0.000 χ^2/NDF : 103768857952.7/47

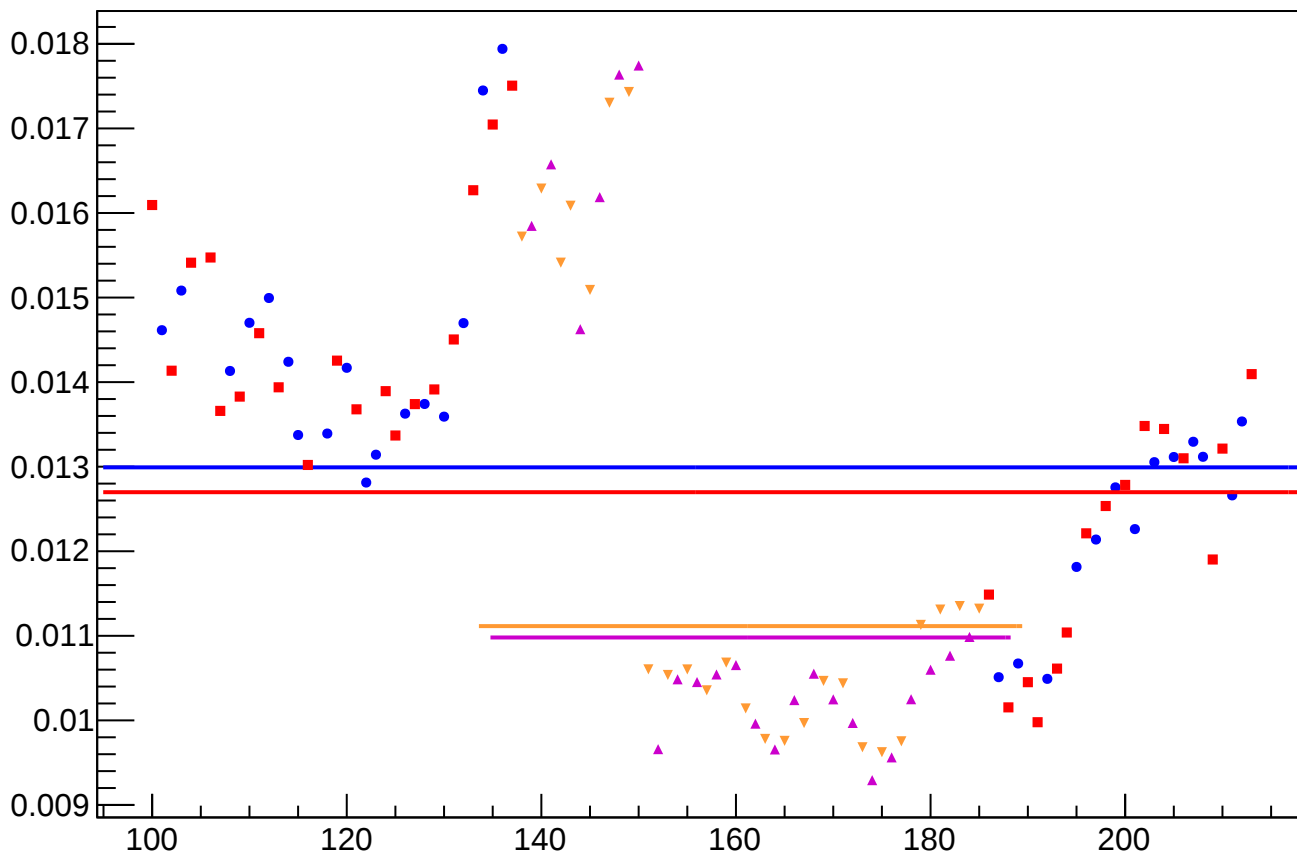
Right: 1.264+/-0.000 χ^2/NDF : 176183062348.6/63

In: 1.329+/-0.000 χ^2/NDF : 131335750064.0/52

Out: 1.400+/-0.000 χ^2/NDF : 151417609040.7/58

All: 1.366+/-0.000 χ^2/NDF : 283359036494.6

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF : 439580.5/29

Left Out: 0.011+/-0.000 χ^2/NDF :1227493.2/24

Right Out: 0.013+/-0.000 χ^2/NDF : 583366.2/33

Left In: 0.011+/-0.000 χ^2/NDF :1264827.0/22

Left: 0.011+/-0.000 χ^2/NDF : 2494847.1/47

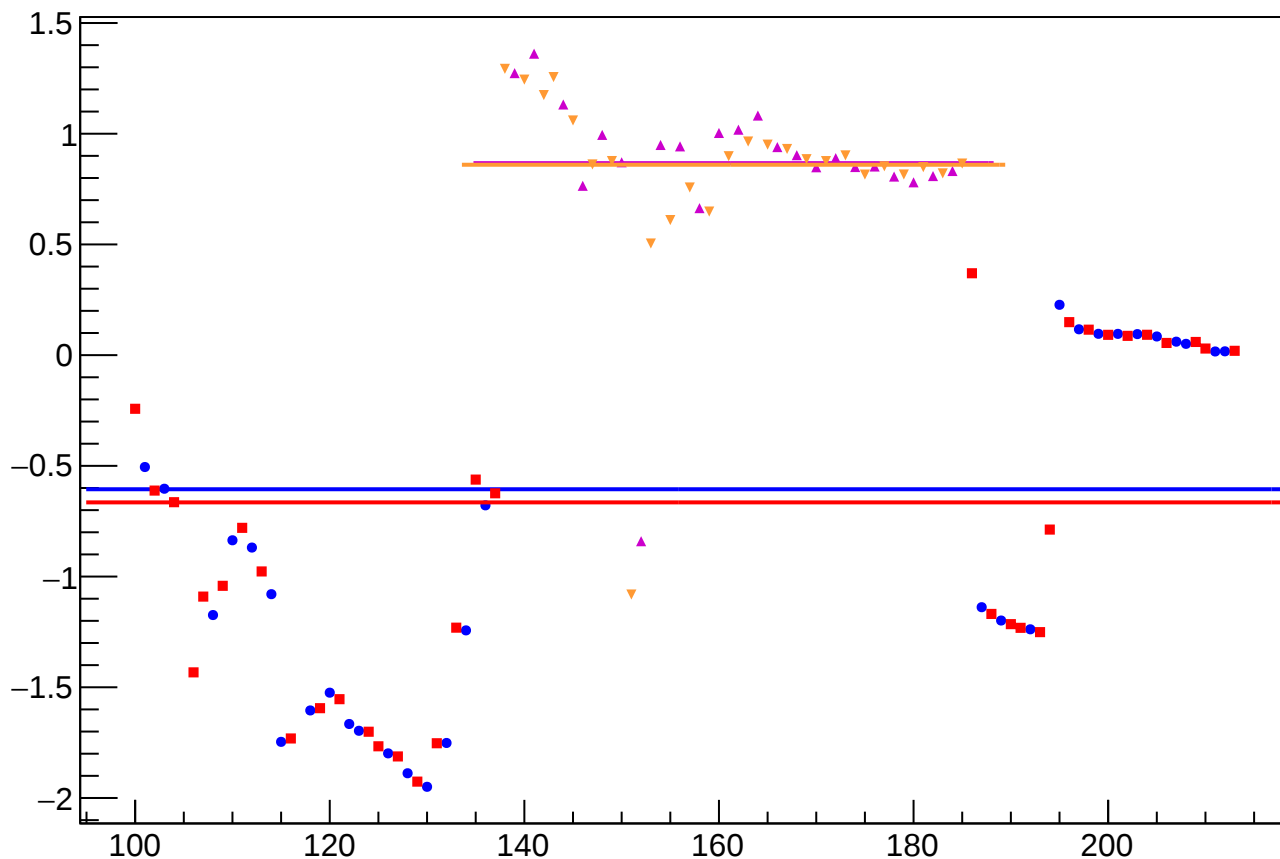
Right: 0.013+/-0.000 χ^2/NDF : 1031374.3/63

In: 0.012+/-0.000 χ^2/NDF :2151231.3/52

Out: 0.012+/-0.000 χ^2/NDF :2111600.9/58

All: 0.012+/-0.000 χ^2/NDF : 4262841.3/111

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.606+/-0.000

χ^2/NDF : 190366981923.6/29

Left Out: 0.860+/-0.000

χ^2/NDF : 126335891175.4/24

Right Out: -0.665+/-0.000

χ^2/NDF : 180119658750.2/33

Left In: 0.867+/-0.000

χ^2/NDF : 147039402944.6/22

Left: 0.863+/-0.000 χ^2/NDF : 273407894621.9/47

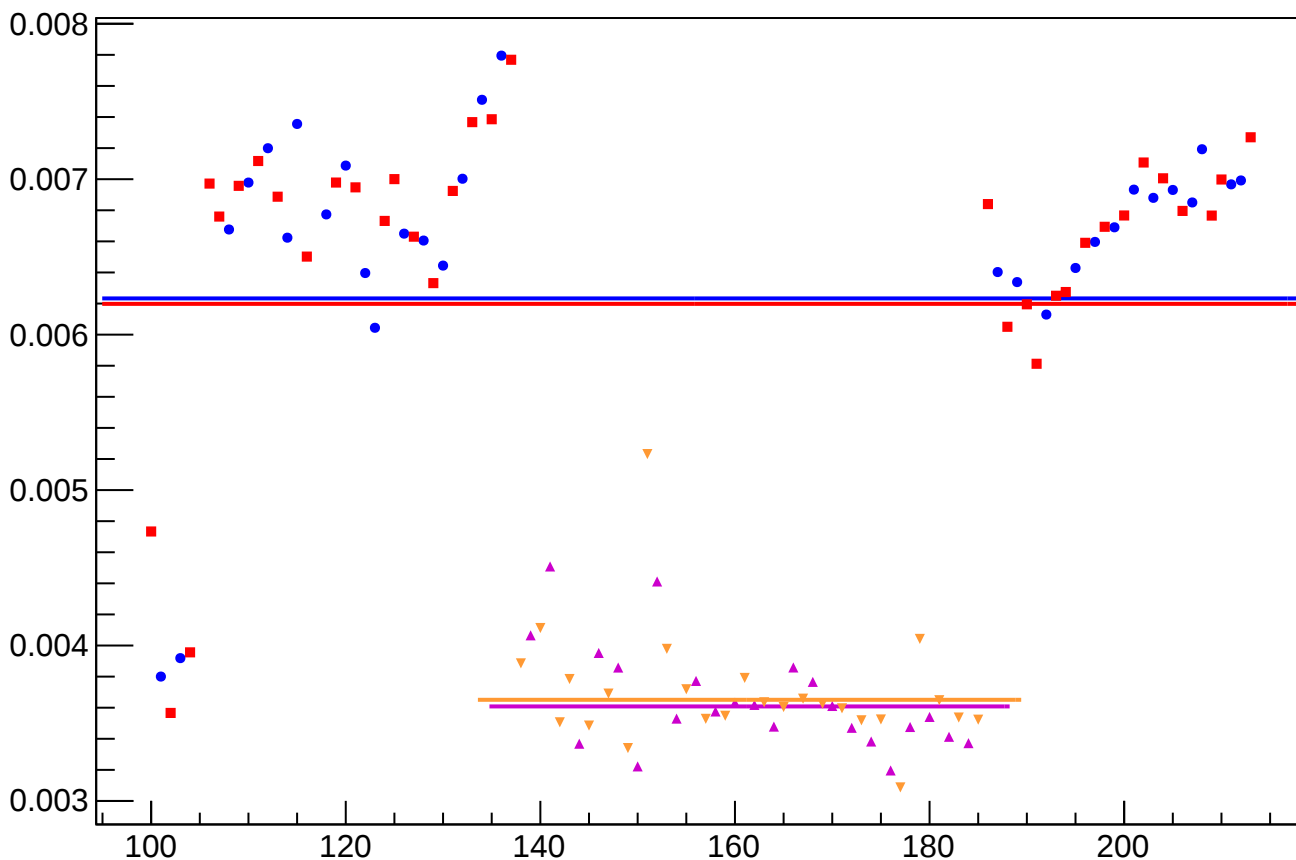
Right: -0.637+/-0.000 χ^2/NDF : 371182099022.3/63

In: 0.515+/-0.000 χ^2/NDF : 962651290383.1/52

Out: 0.482+/-0.000 χ^2/NDF : 1028981576823.7/58

All: 0.498+/-0.000 χ^2/NDF : 1992552038551.0

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 1060015.8/29

Left Out: 0.004+/-0.000 χ^2/NDF :237262.6/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1153690.3/33

Left In: 0.004+/-0.000 χ^2/NDF :227861.4/22

Left: 0.004+/-0.000 χ^2/NDF : 467360.2/47

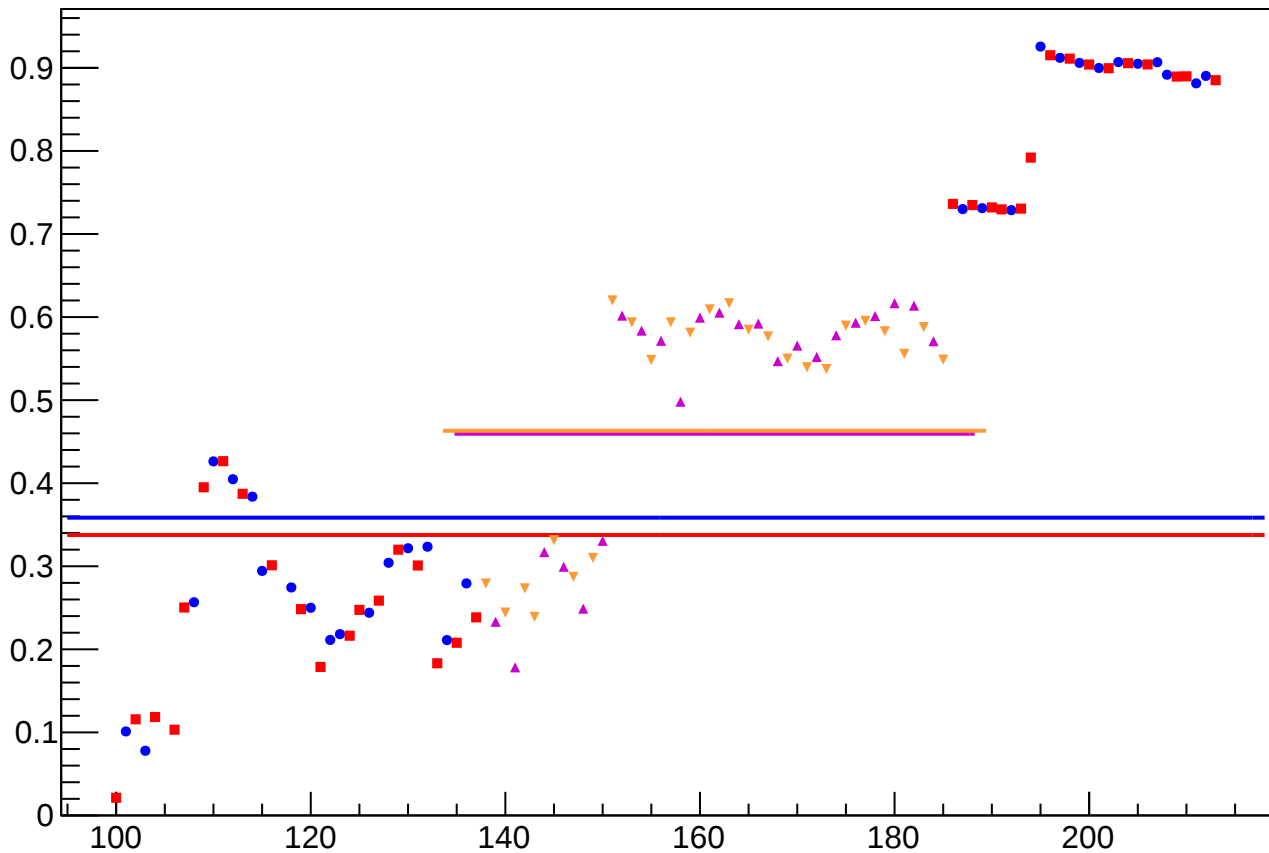
Right: 0.006+/-0.000 χ^2/NDF : 2214190.3/63

In: 0.004+/-0.000 χ^2/NDF :5259666.3/52

Out: 0.004+/-0.000 χ^2/NDF :5423155.9/58

All: 0.004+/-0.000 χ^2/NDF : 10686467.0/111

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.358 $\pm$ 0.000 χ^2 /NDF: 177778204807.2/29

Left Out: 0.463 $\pm$ 0.000 χ^2 /NDF: 102506270538.7/24

Right Out: 0.338 $\pm$ 0.000 χ^2 /NDF: 193531029057.9/33

Left In: 0.460 $\pm$ 0.000 χ^2 /NDF: 104559088628.4/22

Left: 0.461 $\pm$ 0.000 χ^2 /NDF: 207093695005.5/47

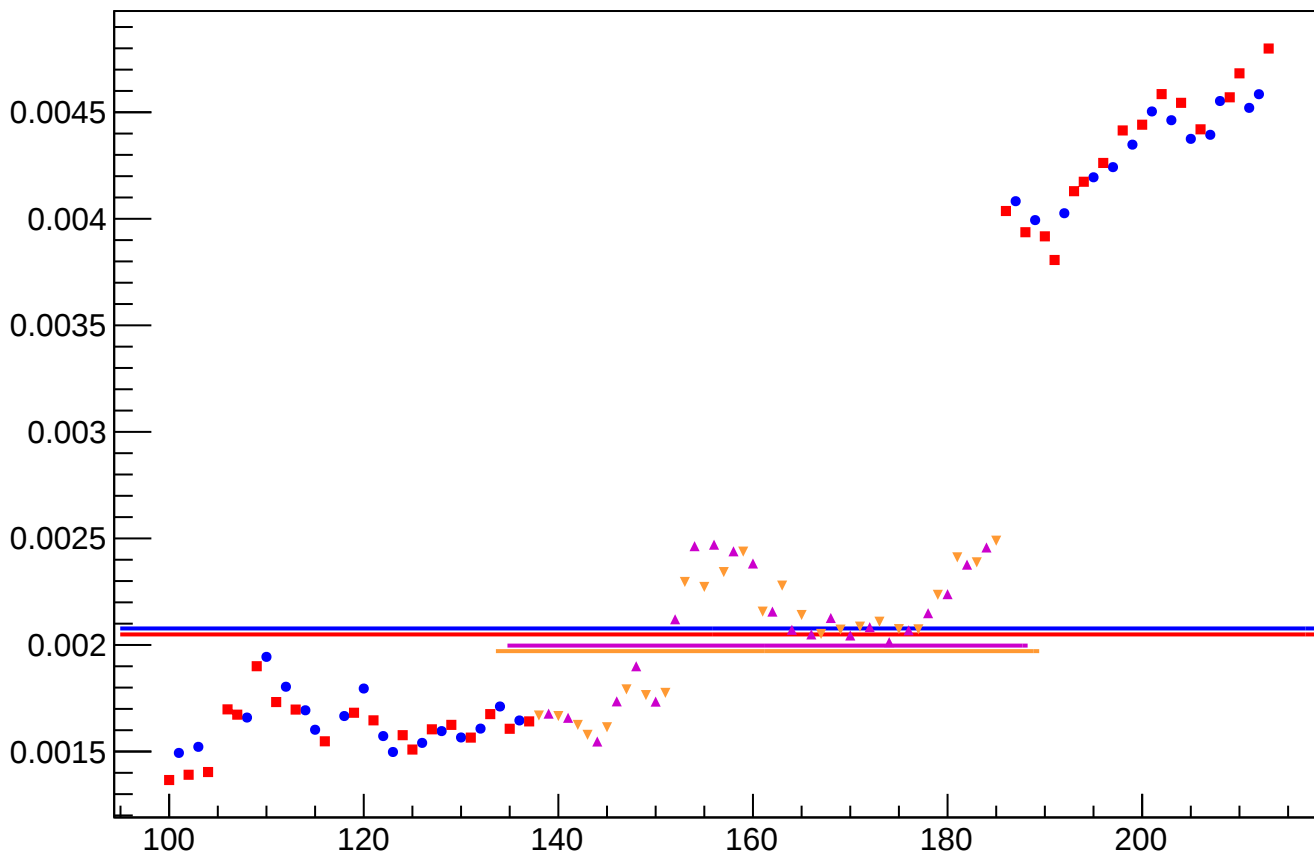
Right: 0.348 $\pm$ 0.000 χ^2 /NDF: 371977582063.8/63

In: 0.418 $\pm$ 0.000 χ^2 /NDF: 299956096222.5/52

Out: 0.411 $\pm$ 0.000 χ^2 /NDF: 326049703921.8/58

All: 0.414 $\pm$ 0.000 χ^2 /NDF: 626187241211.6

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 6066827.7/29

Left Out: 0.002+/-0.000 χ^2/NDF : 730203.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 6837828.4/33

Left In: 0.002+/-0.000 χ^2/NDF : 666404.2/22

Left: 0.002+/-0.000 χ^2/NDF : 1399578.1/47

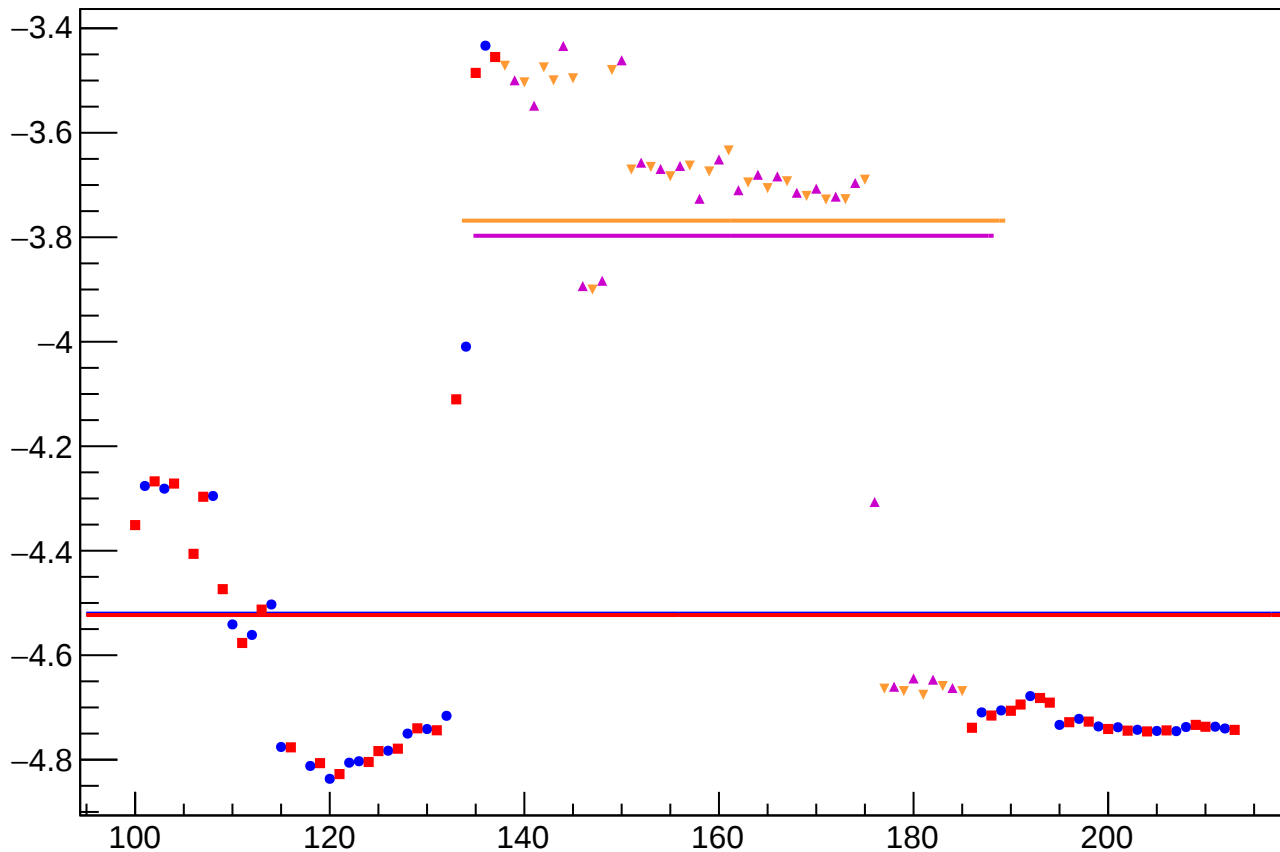
Right: 0.002+/-0.000 χ^2/NDF : 12907085.8/63

In: 0.002+/-0.000 χ^2/NDF : 6755547.5/52

Out: 0.002+/-0.000 χ^2/NDF : 7591430.5/58

All: 0.002+/-0.000 χ^2/NDF : 14352233.2/111

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.520+/-0.000

χ^2/NDF : 441858139018.6/29

Left Out: -3.768+/-0.000

χ^2/NDF : 516780173940.8/24

Right Out: -4.523+/-0.000

χ^2/NDF : 378776501064.5/33

Left In: -3.797+/-0.000

χ^2/NDF : 444886272608.9/22

Left: -3.782+/-0.000

χ^2/NDF : 963205684454.6/47

Right: -4.522+/-0.000

χ^2/NDF : 820644786100.3/63

In: -4.116+/-0.000

χ^2/NDF : 1704891465584.5/52

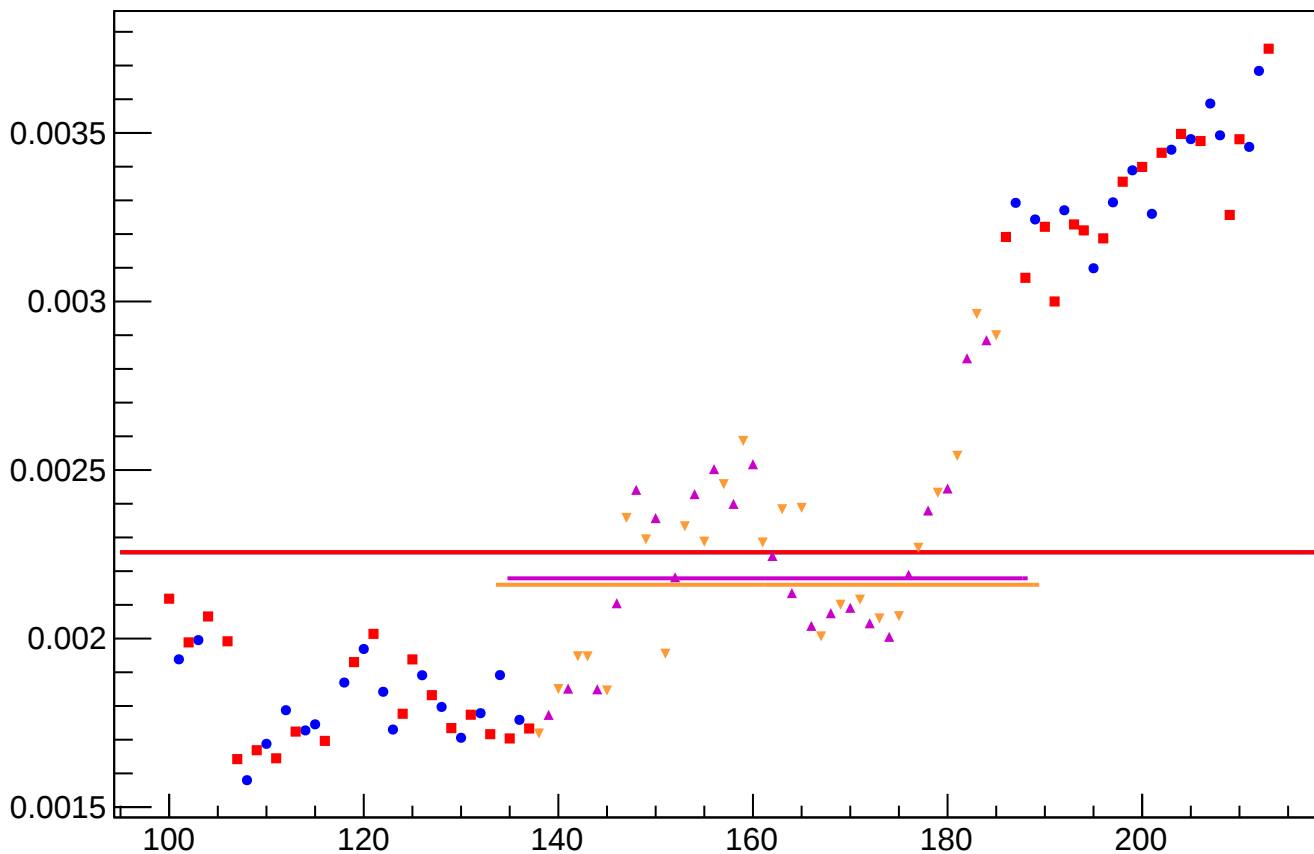
Out: -4.103+/-0.000

χ^2/NDF : 1859302920738.9/58

All: -4.109+/-0.000

χ^2/NDF : 3564726778468

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2920150.1/29

Left Out: 0.002+/-0.000 χ^2/NDF :547831.5/24

Right Out: 0.002+/-0.000 χ^2/NDF : 3098988.7/33

Left In: 0.002+/-0.000 χ^2/NDF :463279.7/22

Left: 0.002+/-0.000 χ^2/NDF : 1012449.5/47

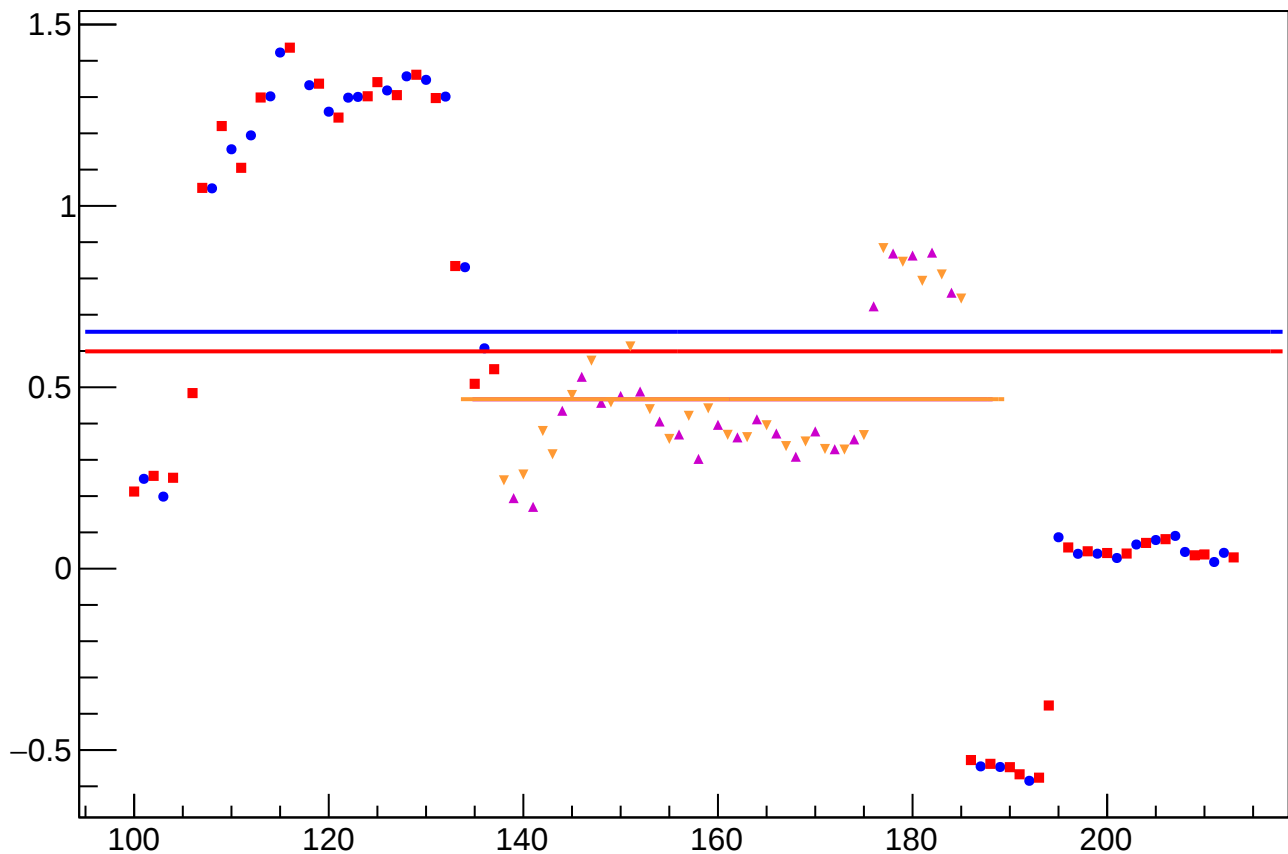
Right: 0.002+/-0.000 χ^2/NDF : 6019139.8/63

In: 0.002+/-0.000 χ^2/NDF :3401952.1/52

Out: 0.002+/-0.000 χ^2/NDF :3678390.6/58

All: 0.002+/-0.000 χ^2/NDF : 7081018.1/111

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.653 ± 0.000 $\chi^2/\text{NDF}: 81544949325.6/29$

Left Out: 0.467 ± 0.000 $\chi^2/\text{NDF}: 7359344143.3/24$

Right Out: 0.599 ± 0.000 $\chi^2/\text{NDF}: 100774787487.7/33$

Left In: 0.467 ± 0.000 $\chi^2/\text{NDF}: 8036741308.0/22$

Left: 0.467 ± 0.000 $\chi^2/\text{NDF}: 15396100488.4/47$

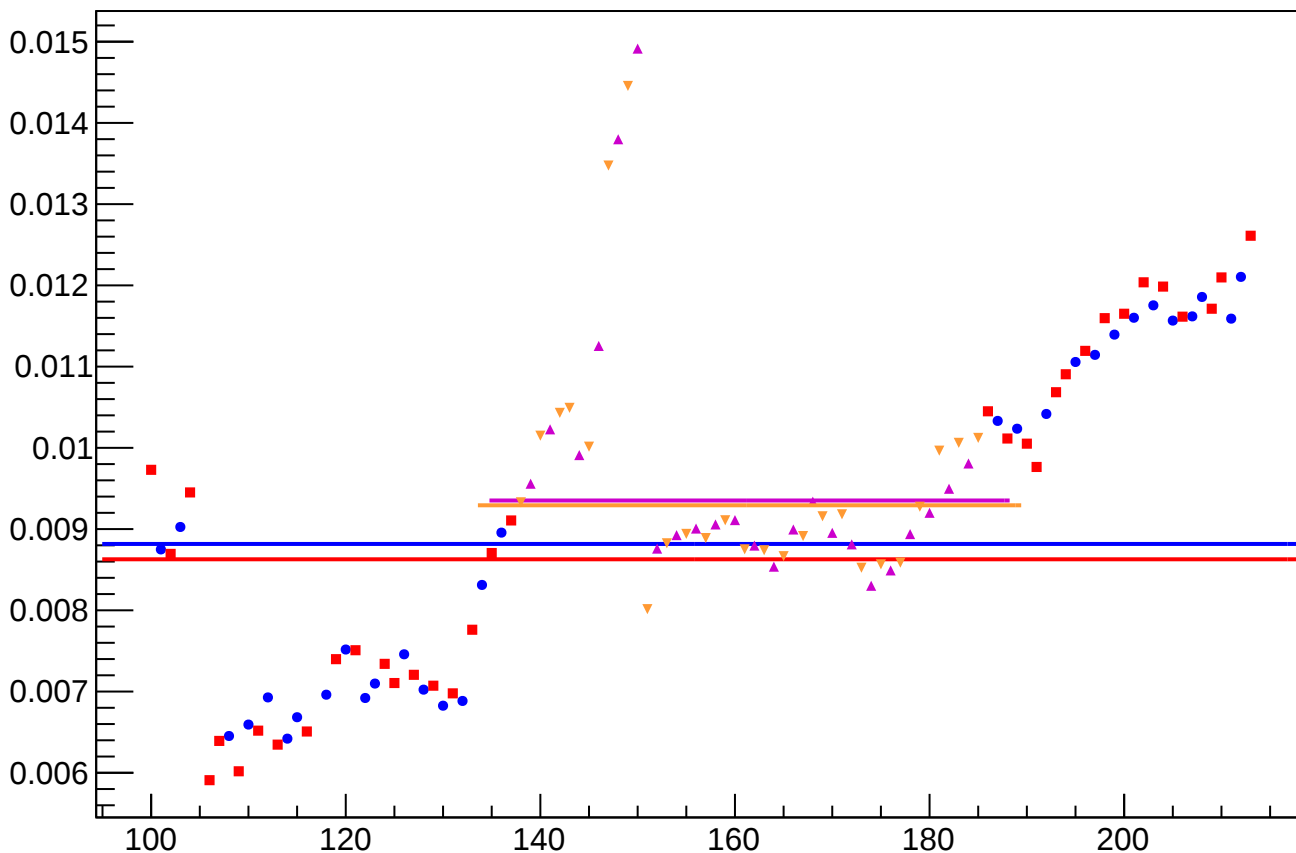
Right: 0.624 ± 0.000 $\chi^2/\text{NDF}: 182618119353.9/63$

In: 0.560 ± 0.000 $\chi^2/\text{NDF}: 92943466838.3/52$

Out: 0.534 ± 0.000 $\chi^2/\text{NDF}: 109983515798.0/58$

All: 0.546 ± 0.000 $\chi^2/\text{NDF}: 203058241185.3$

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 1639447.7/29

Left Out: 0.009+/-0.000 χ^2/NDF :528279.5/24

Right Out: 0.009+/-0.000 χ^2/NDF : 2068895.0/33

Left In: 0.009+/-0.000 χ^2/NDF :557555.2/22

Left: 0.009+/-0.000 χ^2/NDF : 1086539.3/47

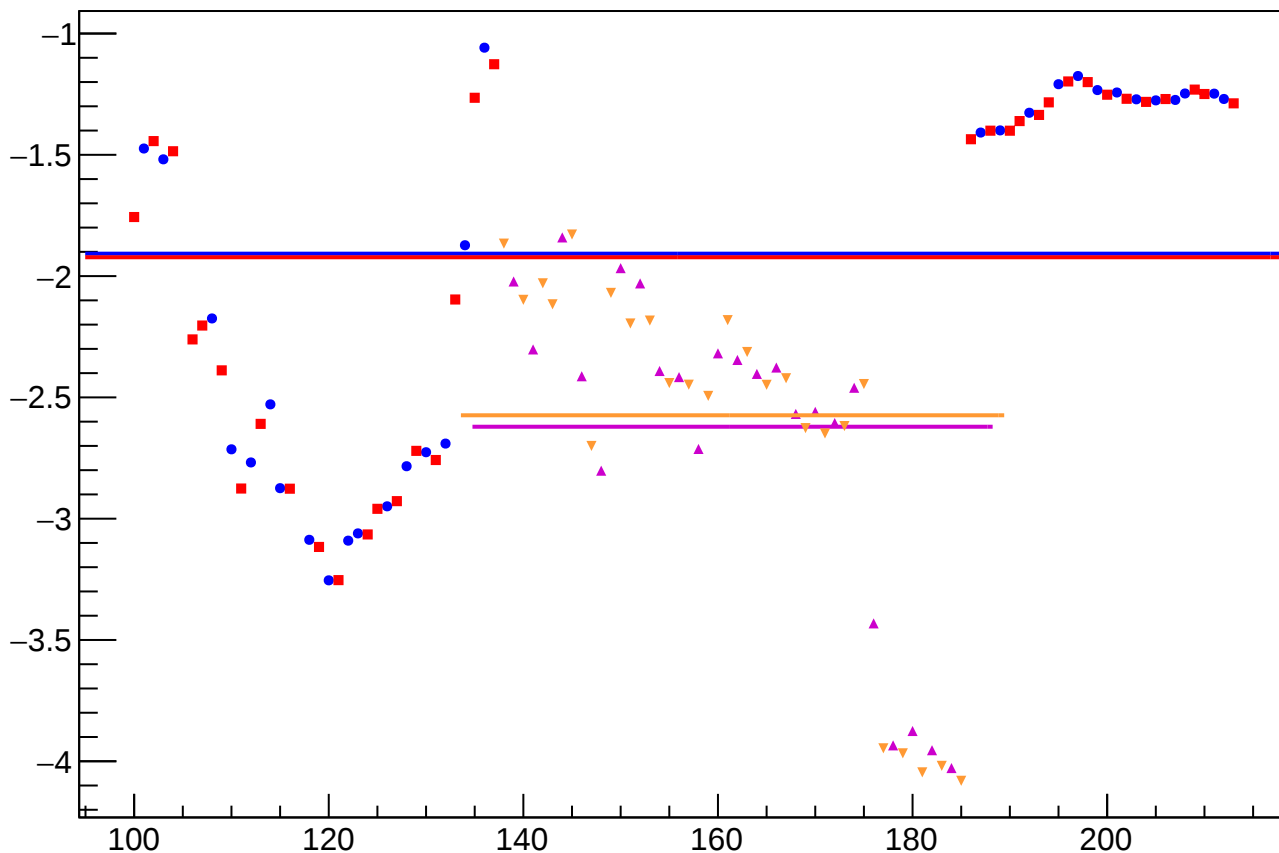
Right: 0.009+/-0.000 χ^2/NDF : 3715647.8/63

In: 0.009+/-0.000 χ^2/NDF :2252539.7/52

Out: 0.009+/-0.000 χ^2/NDF :2691268.6/58

All: 0.009+/-0.000 χ^2/NDF : 4950747.9/111

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -1.908+/-0.000

χ^2/NDF : 132305229762.9/29

Left: -2.597+/-0.000

χ^2/NDF : 180296288698.4/47

Right: -1.915+/-0.000

χ^2/NDF : 263074052873.7/63

Left Out: -2.574+/-0.000

χ^2/NDF : 99176112704.9/24

In: -2.259+/-0.000

χ^2/NDF : 271077529728.5/52

Right Out: -1.922+/-0.000

χ^2/NDF : 130742222161.9/33

Out: -2.239+/-0.000

χ^2/NDF : 282121246758.0/58

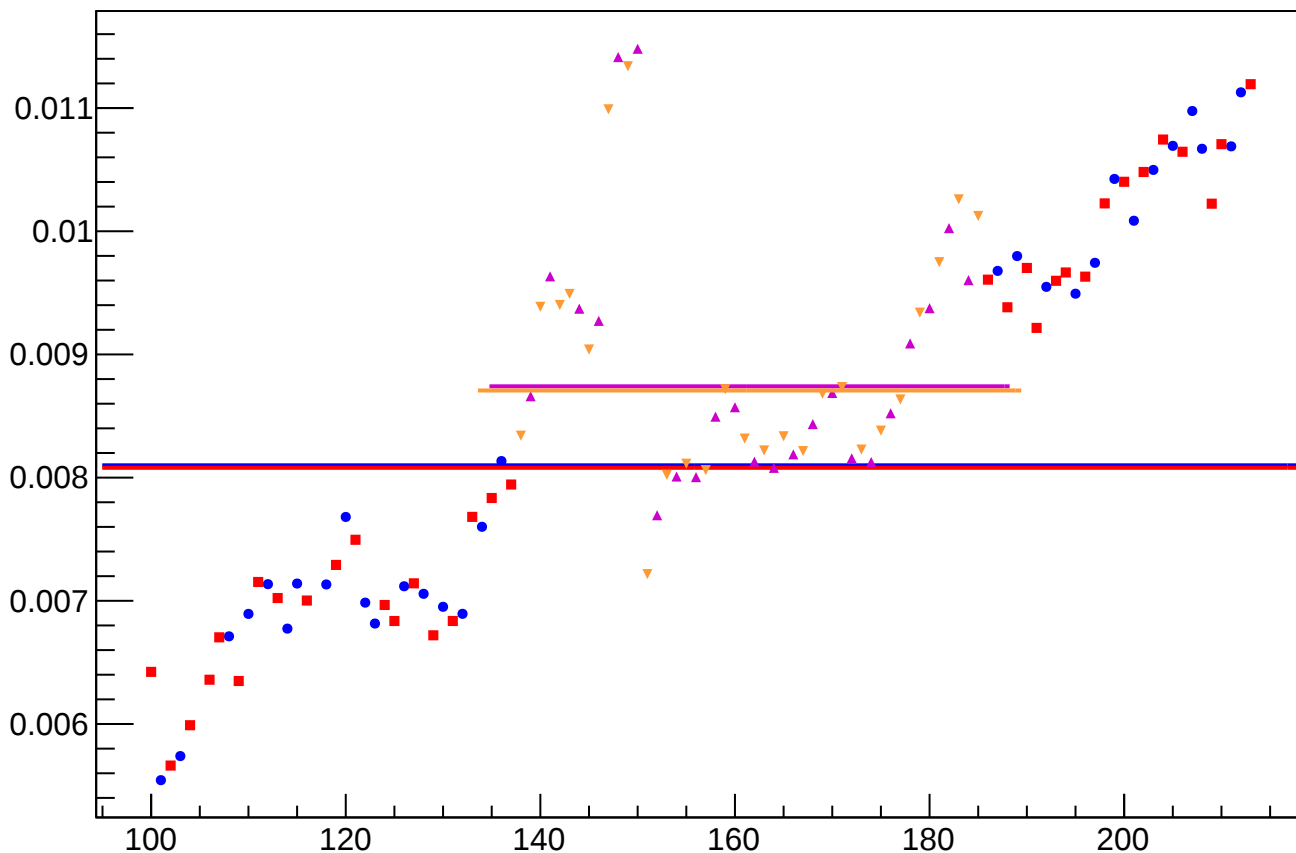
Left In: -2.621+/-0.000

χ^2/NDF : 80862402796.4/22

All: -2.249+/-0.000

χ^2/NDF : 553290688150.3

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 1516154.3/29

Left Out: 0.009+/-0.000 χ^2/NDF :369376.5/24

Right Out: 0.008+/-0.000 χ^2/NDF : 1516109.3/33

Left In: 0.009+/-0.000 χ^2/NDF :353750.0/22

Left: 0.009+/-0.000 χ^2/NDF : 723390.7/47

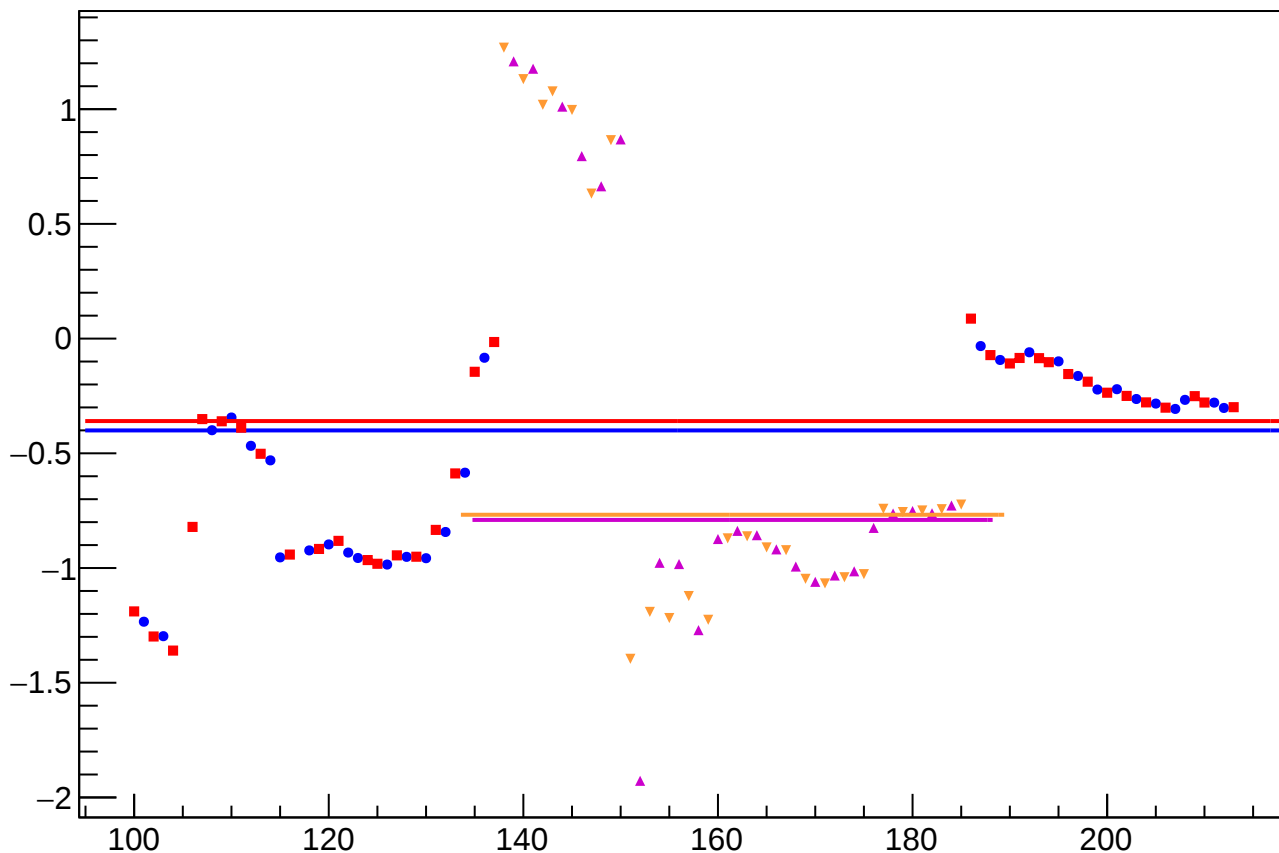
Right: 0.008+/-0.000 χ^2/NDF : 3032363.1/63

In: 0.008+/-0.000 χ^2/NDF :1963472.9/52

Out: 0.008+/-0.000 χ^2/NDF :1982455.0/58

All: 0.008+/-0.000 χ^2/NDF : 3946376.6/111

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.400+/-0.000 χ^2/NDF : 22890434067.9/29

Left Out: -0.768+/-0.000 χ^2/NDF : 120774855982.9/24

Right Out: -0.359+/-0.000 χ^2/NDF : 25317389516.4/33

Left In: -0.790+/-0.000 χ^2/NDF : 123452478408.2/22

Left: -0.779+/-0.000 χ^2/NDF : 244297726249.8/47

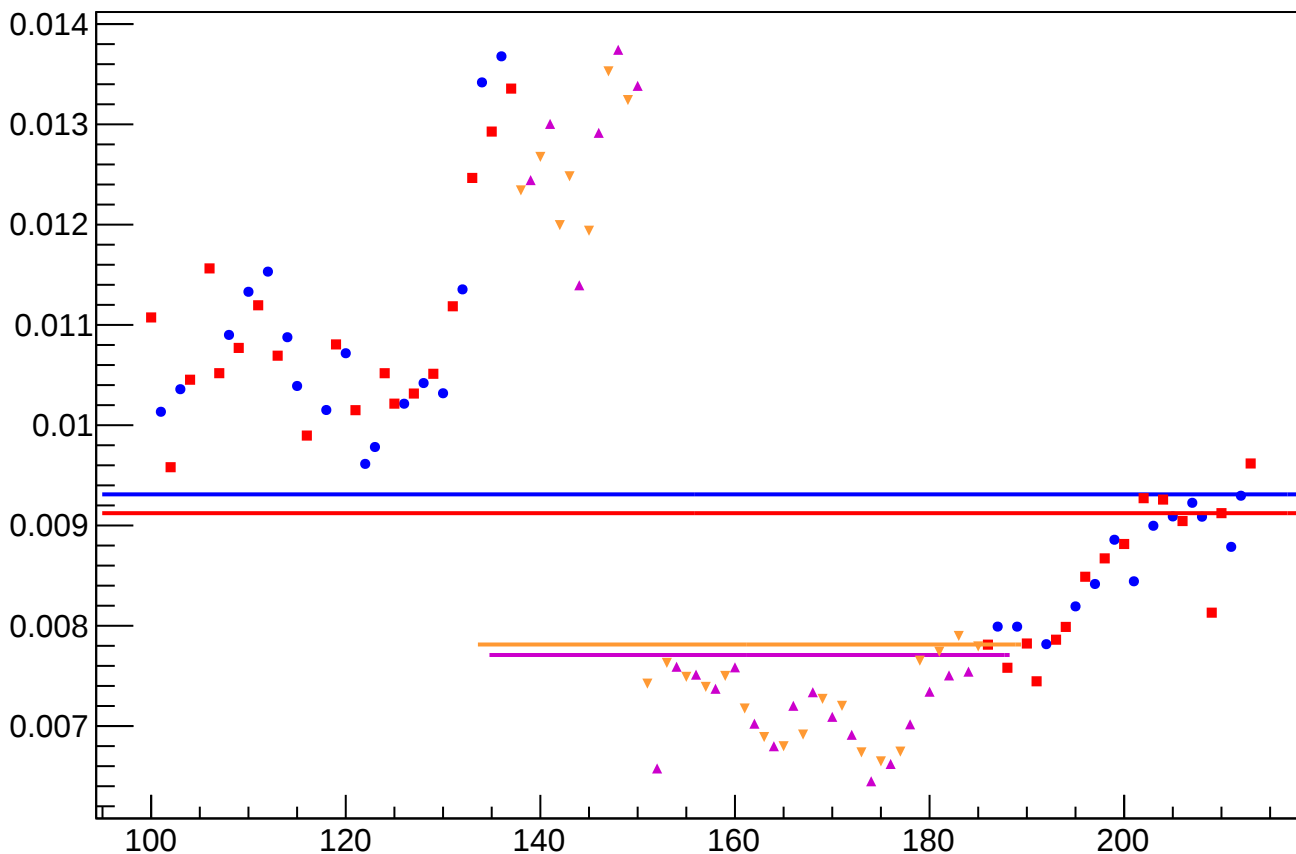
Right: -0.379+/-0.000 χ^2/NDF : 48364602672.6/63

In: -0.636+/-0.000 χ^2/NDF : 162720981825.3/52

Out: -0.598+/-0.000 χ^2/NDF : 165580231762.2/58

All: -0.617+/-0.000 χ^2/NDF : 328630856642.2/116

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 547566.1/29

Left Out: 0.008+/-0.000 χ^2/NDF :1705997.6/24

Right Out: 0.009+/-0.000 χ^2/NDF : 654300.6/33

Left In: 0.008+/-0.000 χ^2/NDF :1746653.6/22

Left: 0.008+/-0.000 χ^2/NDF : 3455681.9/47

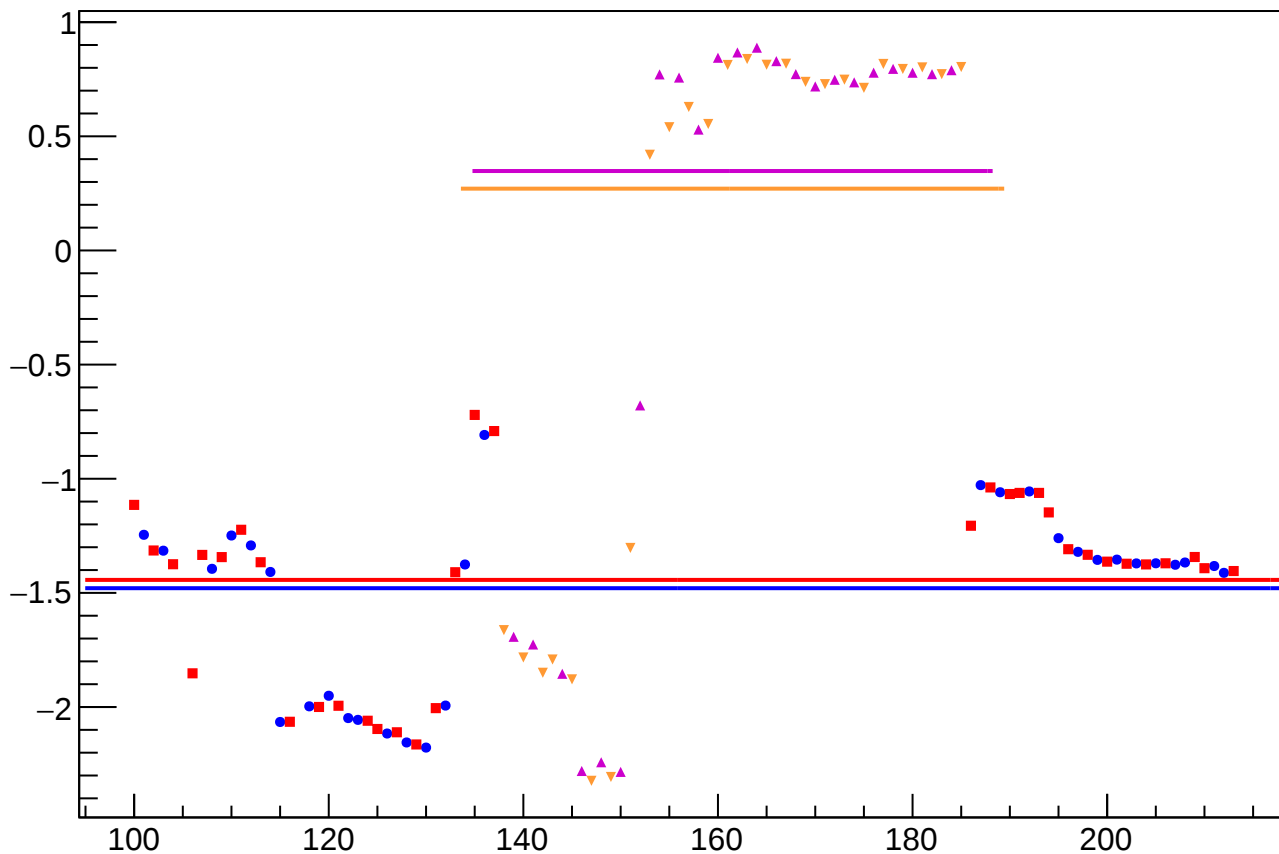
Right: 0.009+/-0.000 χ^2/NDF : 1208493.2/63

In: 0.008+/-0.000 χ^2/NDF :2846496.5/52

Out: 0.008+/-0.000 χ^2/NDF :2761108.7/58

All: 0.008+/-0.000 χ^2/NDF : 5607700.2/111

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.479 ± 0.000 $\chi^2/\text{NDF}: 174984019192.3/29$

Left Out: 0.271 ± 0.000 $\chi^2/\text{NDF}: 2583233987355.9/24$

Right Out: -1.443 ± 0.000 $\chi^2/\text{NDF}: 164550282262.6/33$

Left In: 0.348 ± 0.000 $\chi^2/\text{NDF}: 2274004426513.8/22$

Left: 0.308 ± 0.000 $\chi^2/\text{NDF}: 4864843200778.2/47$

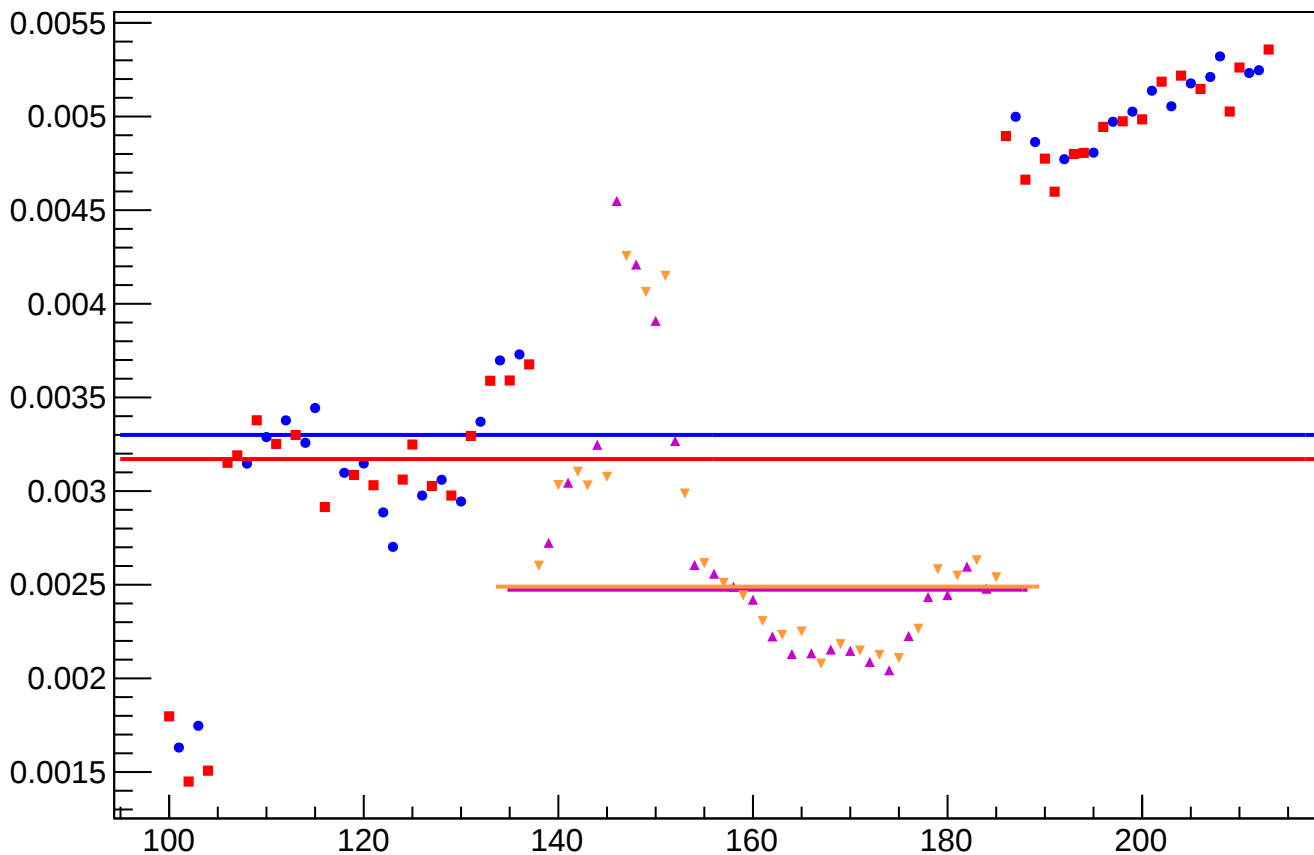
Right: -1.460 ± 0.000 $\chi^2/\text{NDF}: 340378781450.7/63$

In: -0.248 ± 0.000 $\chi^2/\text{NDF}: 5153008736614.0/52$

Out: -0.316 ± 0.000 $\chi^2/\text{NDF}: 5385395593606.7/58$

All: -0.283 ± 0.000 $\chi^2/\text{NDF}: 1054729065955$

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 4090411.2/29

Left Out: 0.002+/-0.000 χ^2/NDF :1070282.7/24

Right Out: 0.003+/-0.000 χ^2/NDF : 5220375.6/33

Left In: 0.002+/-0.000 χ^2/NDF :1135279.8/22

Left: 0.002+/-0.000 χ^2/NDF : 2206266.8/47

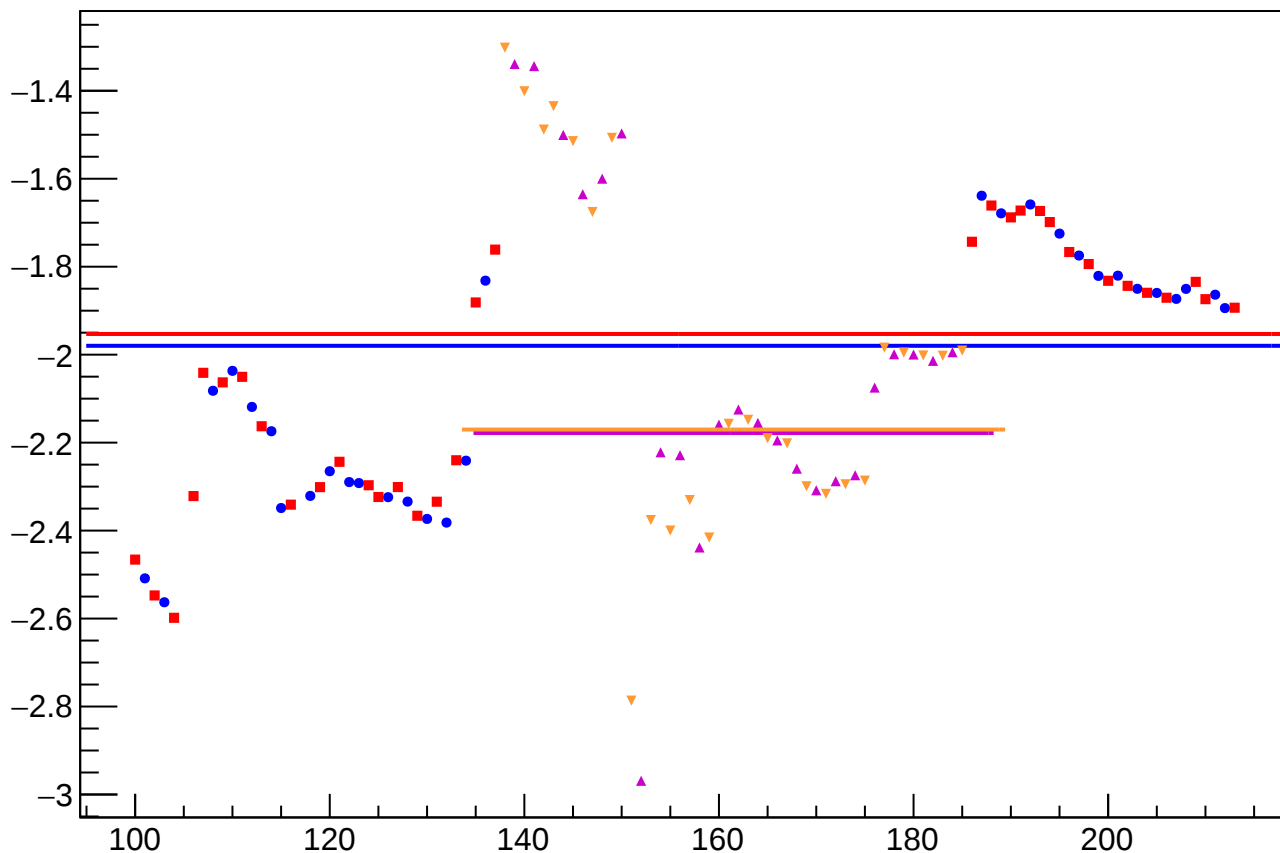
Right: 0.003+/-0.000 χ^2/NDF : 9332006.1/63

In: 0.003+/-0.000 χ^2/NDF :6331801.3/52

Out: 0.003+/-0.000 χ^2/NDF :7123553.6/58

All: 0.003+/-0.000 χ^2/NDF : 13456844.5/111

yield_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: -1.980+/-0.000 χ^2/NDF : 31294778992.2/29

Left Out: -2.170+/-0.000 χ^2/NDF : 59967315241.9/24

Right Out: -1.953+/-0.000 χ^2/NDF : 35330349310.6/33

Left In: -2.178+/-0.000 χ^2/NDF : 73402051113.3/22

Left: -2.174+/-0.000 χ^2/NDF : 133392029481.5/47

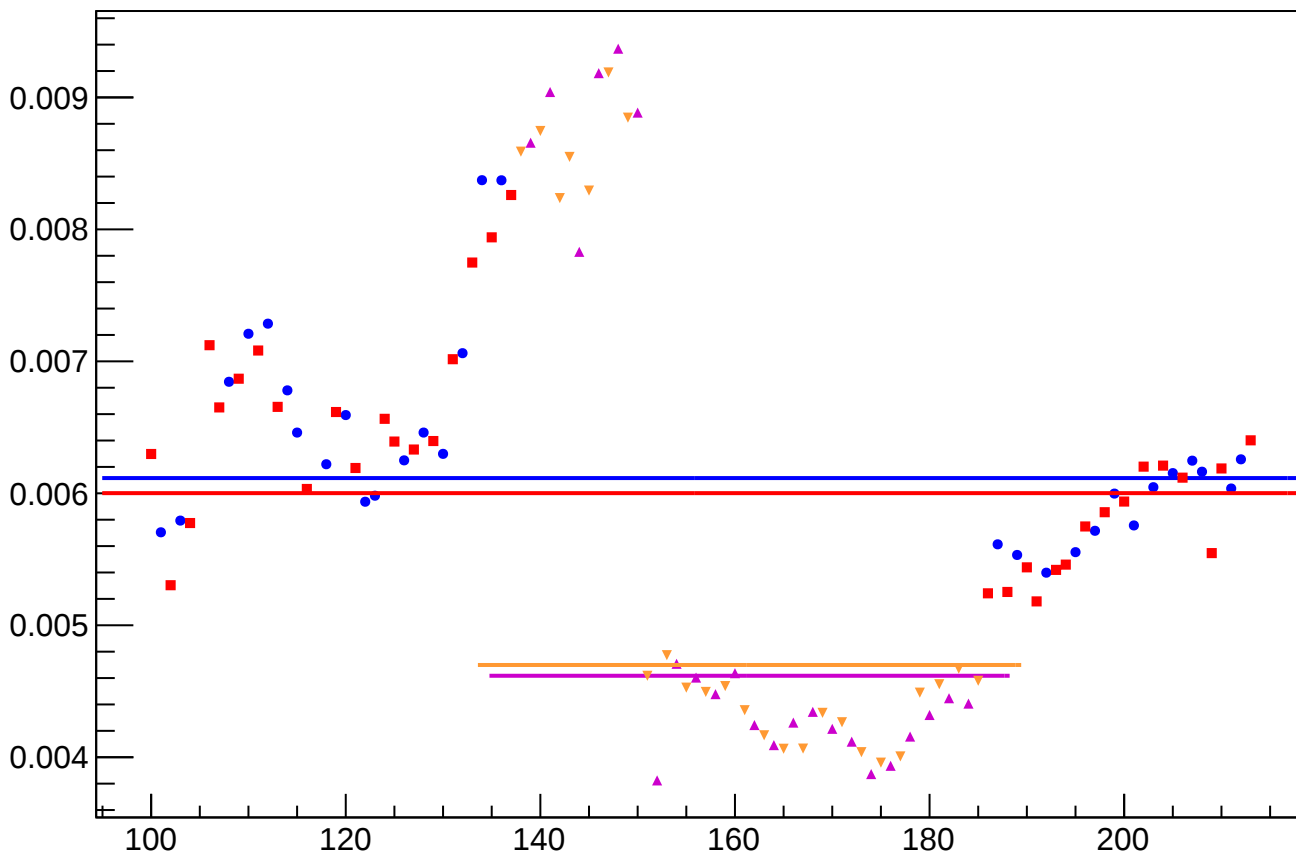
Right: -1.966+/-0.000 χ^2/NDF : 66782698870.4/63

In: -2.107+/-0.000 χ^2/NDF : 115063785736.9/52

Out: -2.088+/-0.000 χ^2/NDF : 108837617177.9/58

All: -2.097+/-0.000 χ^2/NDF : 224112788958.9

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 303845.7/29

Left Out: 0.005+/-0.000 χ^2/NDF :2319588.7/24

Right Out: 0.006+/-0.000 χ^2/NDF : 370023.1/33

Left In: 0.005+/-0.000 χ^2/NDF :2367440.9/22

Left: 0.005+/-0.000 χ^2/NDF : 4691984.4/47

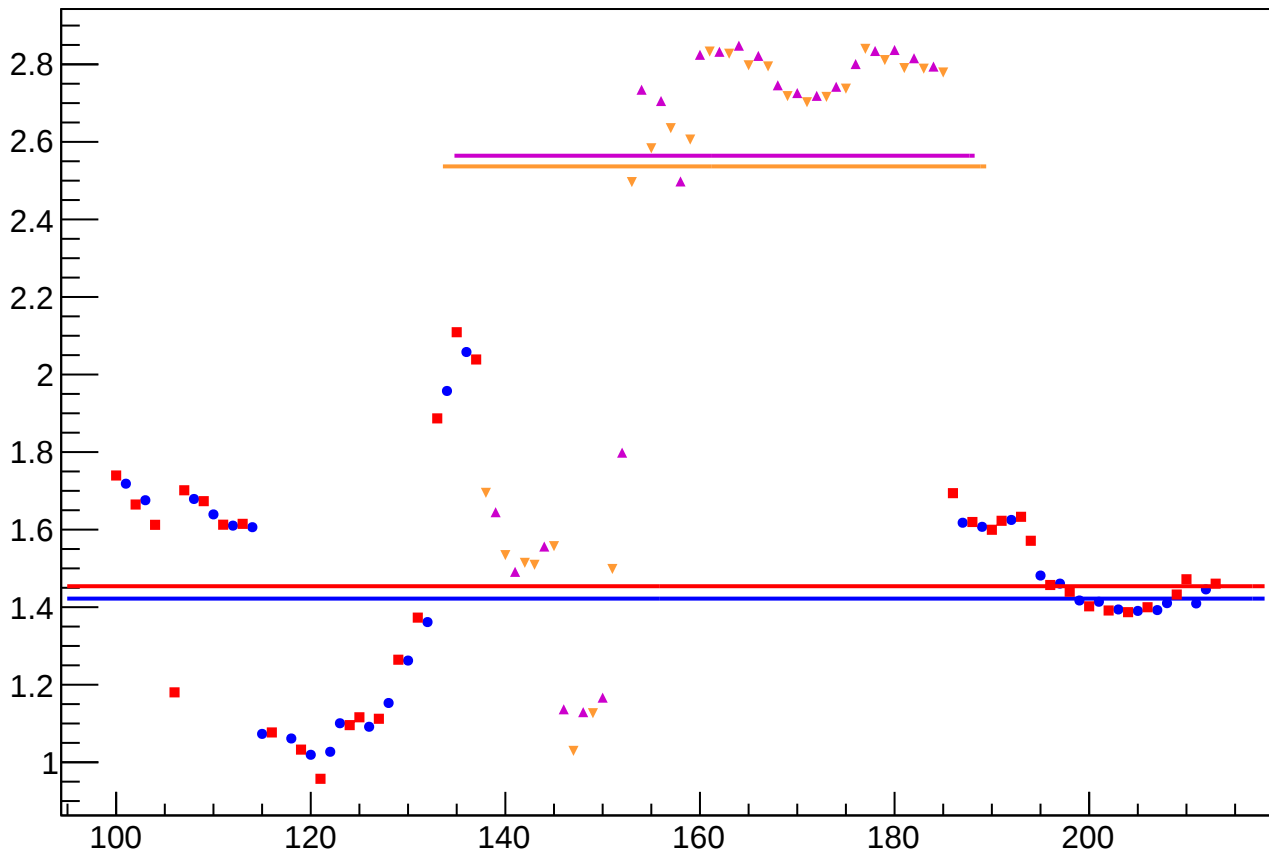
Right: 0.006+/-0.000 χ^2/NDF : 679557.8/63

In: 0.005+/-0.000 χ^2/NDF :3855640.4/52

Out: 0.005+/-0.000 χ^2/NDF :3662267.8/58

All: 0.005+/-0.000 χ^2/NDF : 7519479.4/111

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.422+/-0.000 χ^2/NDF : 174174584668.5/29

Left Out: 2.537+/-0.000 χ^2/NDF : 269554948115.3/24

Right Out: 1.454+/-0.000 χ^2/NDF : 177000558058.9/33

Left In: 2.564+/-0.000 χ^2/NDF : 260287937727.8/22

Left: 2.550+/-0.000 χ^2/NDF : 530319507083.6/47

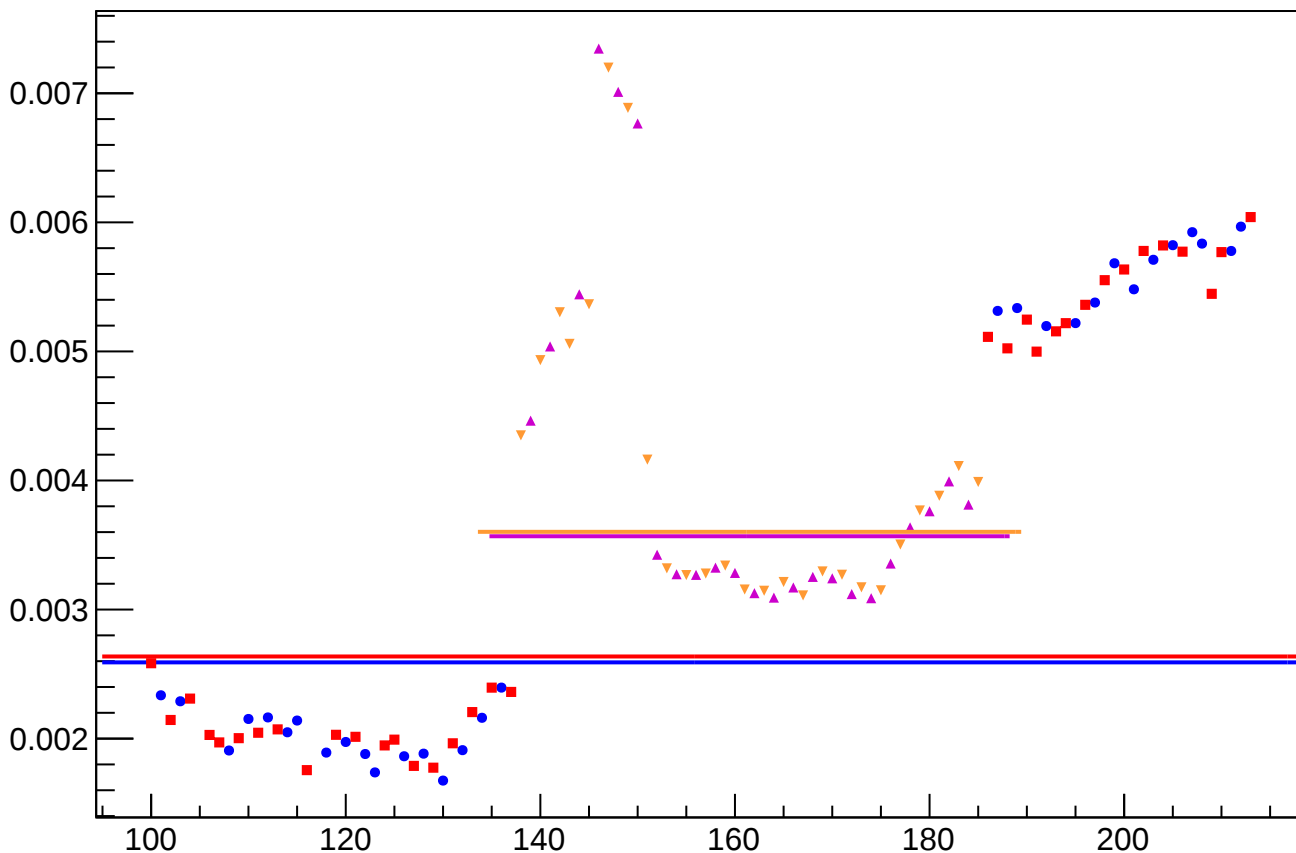
Right: 1.438+/-0.000 χ^2/NDF : 352124263421.7/63

In: 1.883+/-0.000 χ^2/NDF : 1388231848861.2/52

Out: 1.890+/-0.000 χ^2/NDF : 1348573178651.3/58

All: 1.887+/-0.000 χ^2/NDF : 2736875997833.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 6450838.1/29

Left Out: 0.004+/-0.000 χ^2/NDF :1410717.8/24

Right Out: 0.003+/-0.000 χ^2/NDF : 6729197.3/33

Left In: 0.004+/-0.000 χ^2/NDF :1563028.0/22

Left: 0.004+/-0.000 χ^2/NDF : 2975225.3/47

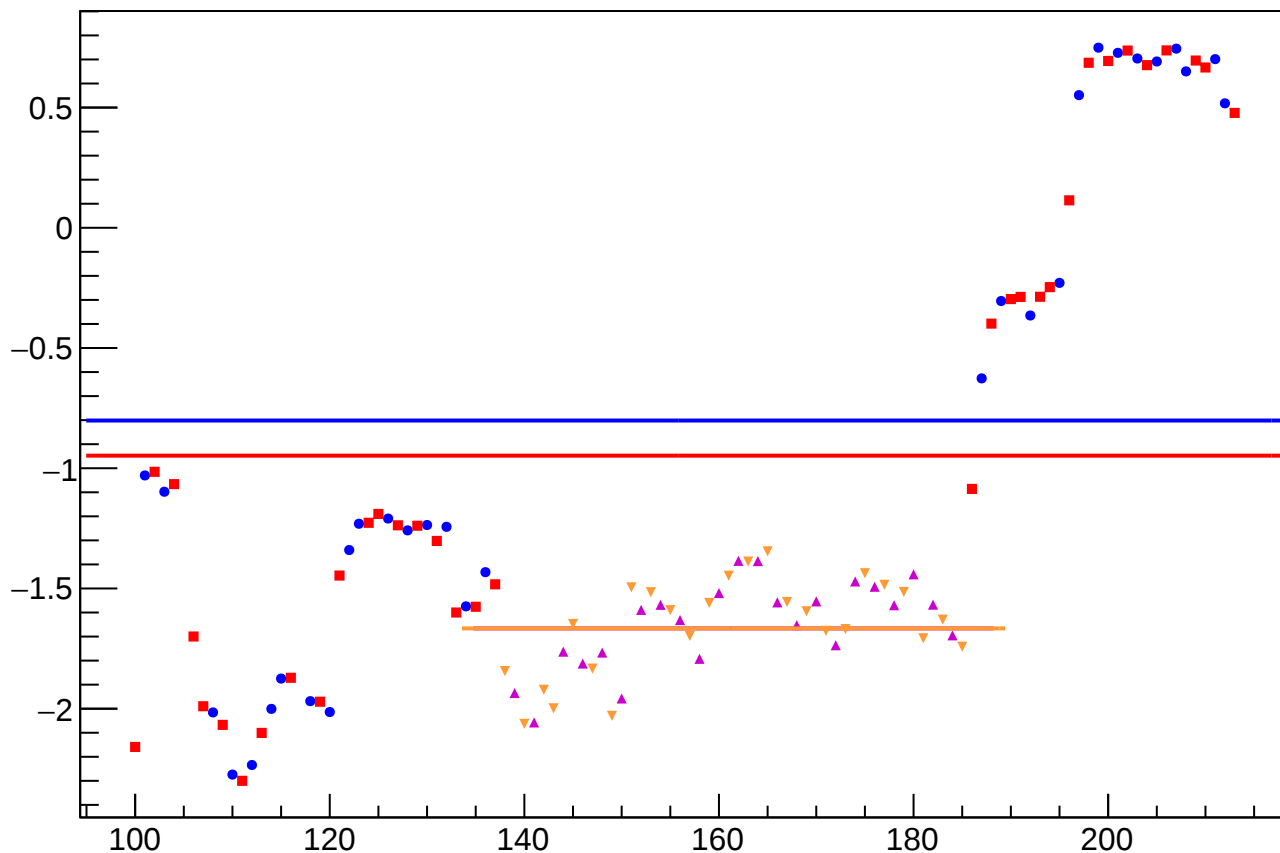
Right: 0.003+/-0.000 χ^2/NDF : 13183916.7/63

In: 0.003+/-0.000 χ^2/NDF :9410025.6/52

Out: 0.003+/-0.000 χ^2/NDF :9575415.6/58

All: 0.003+/-0.000 χ^2/NDF : 18990437.4/111

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -0.802+/-0.000

χ^2/NDF : 220703792741.4/29

Left: -1.666+/-0.000

χ^2/NDF : 32617732948.1/47

Left Out: -1.666+/-0.000

χ^2/NDF : 18325162131.2/24

Right: -0.880+/-0.000

χ^2/NDF : 473758531584.7/63

Right Out: -0.948+/-0.000

χ^2/NDF : 250548390922.0/33

In: -1.365+/-0.000

χ^2/NDF : 341533830731.1/52

Out: -1.403+/-0.000

χ^2/NDF : 352079616795.7/58

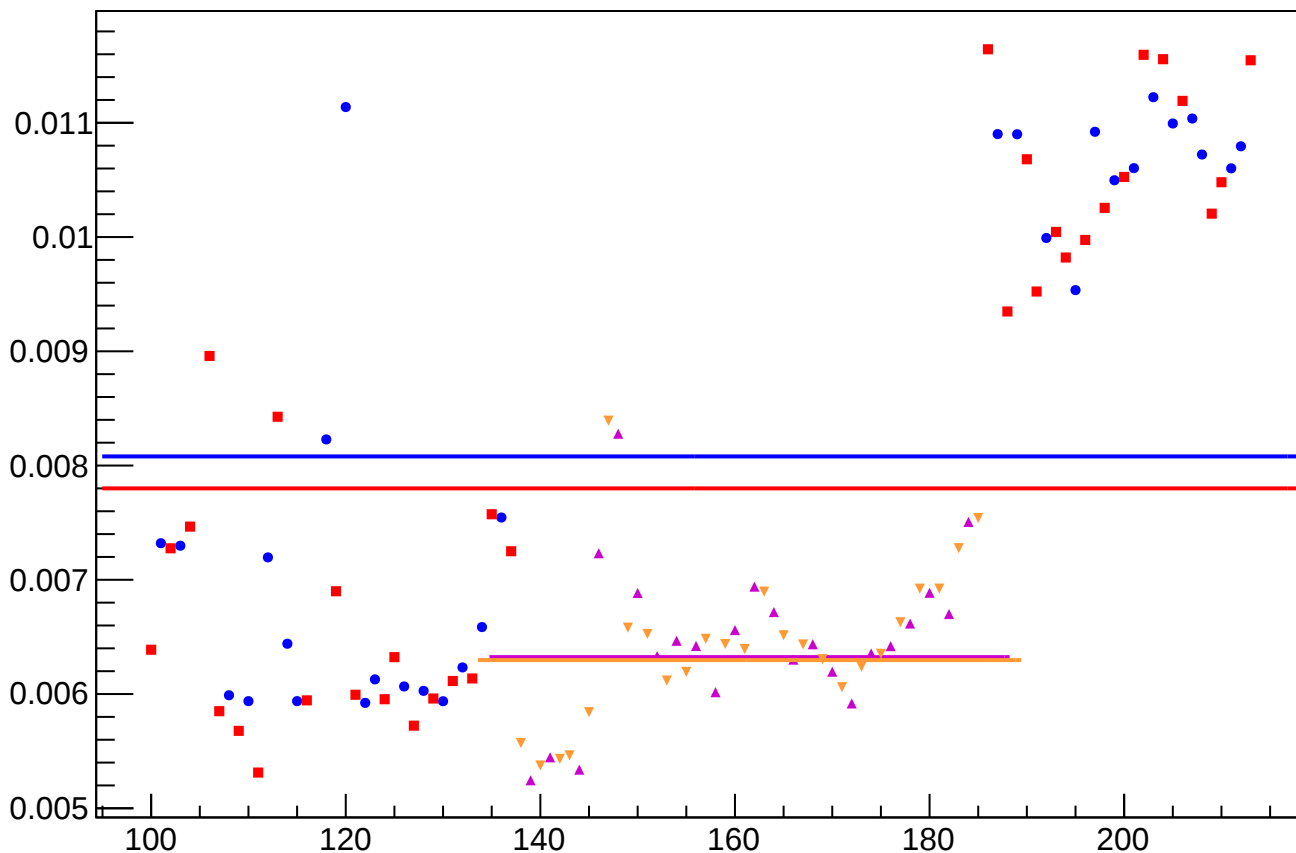
Left In: -1.666+/-0.000

χ^2/NDF : 14292570816.9/22

All: -1.385+/-0.000

χ^2/NDF : 694086317411.1

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 1863252.8/29

Left Out: 0.006+/-0.000 χ^2/NDF : 310757.0/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2254205.1/33

Left In: 0.006+/-0.000 χ^2/NDF : 330859.7/22

Left: 0.006+/-0.000 χ^2/NDF : 641901.9/47

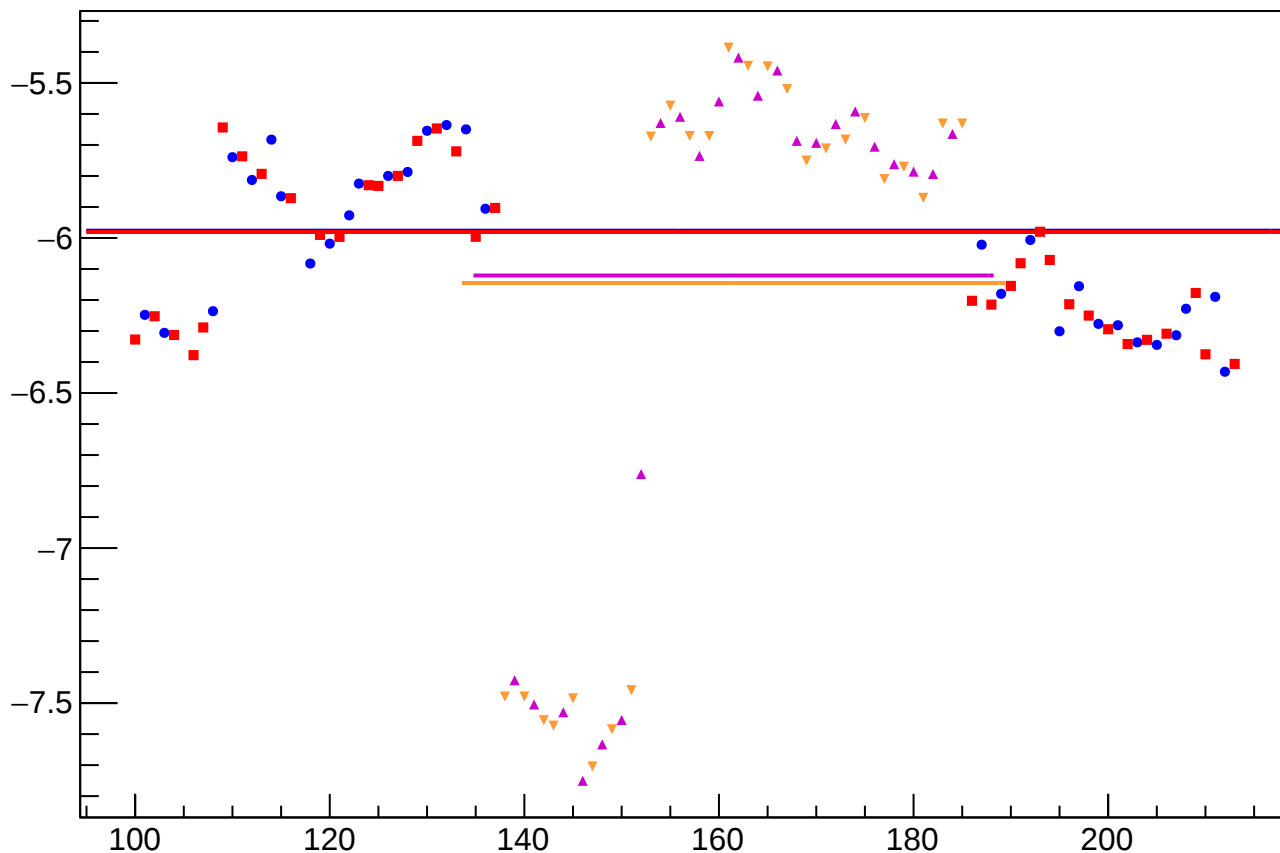
Right: 0.008+/-0.000 χ^2/NDF : 4135841.0/63

In: 0.007+/-0.000 χ^2/NDF : 3073929.5/52

Out: 0.007+/-0.000 χ^2/NDF : 3293178.5/58

All: 0.007+/-0.000 χ^2/NDF : 6372116.0/111

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.976+/-0.000 χ^2 /NDF: 16201313893.8/29

Left Out: -6.145+/-0.000 χ^2 /NDF: 185364150237.7/24

Right Out: -5.981+/-0.000 χ^2 /NDF: 17717423760.2/33

Left In: -6.121+/-0.000 χ^2 /NDF: 158315913062.3/22

Left: -6.133+/-0.000 χ^2 /NDF: 343753122832.9/47

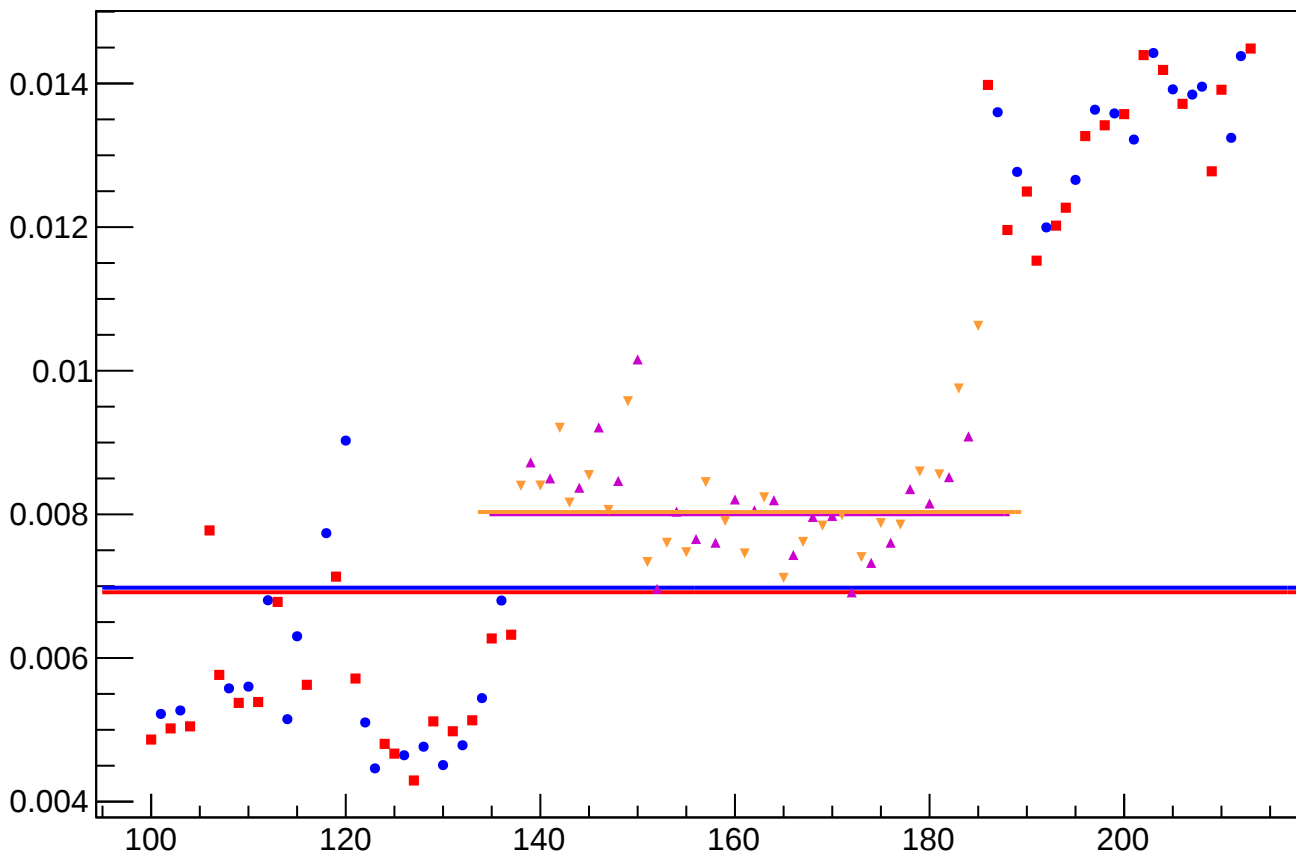
Right: -5.979+/-0.000 χ^2 /NDF: 33921095553.7/63

In: -6.048+/-0.000 χ^2 /NDF: 177121930914.9/52

Out: -6.059+/-0.000 χ^2 /NDF: 206703483527.1/58

All: -6.054+/-0.000 χ^2 /NDF: 383859462412.7

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 5515562.1/29

Left Out: 0.008+/-0.000 χ^2/NDF : 205762.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 5796891.7/33

Left In: 0.008+/-0.000 χ^2/NDF : 220756.1/22

Left: 0.008+/-0.000 χ^2/NDF : 426763.2/47

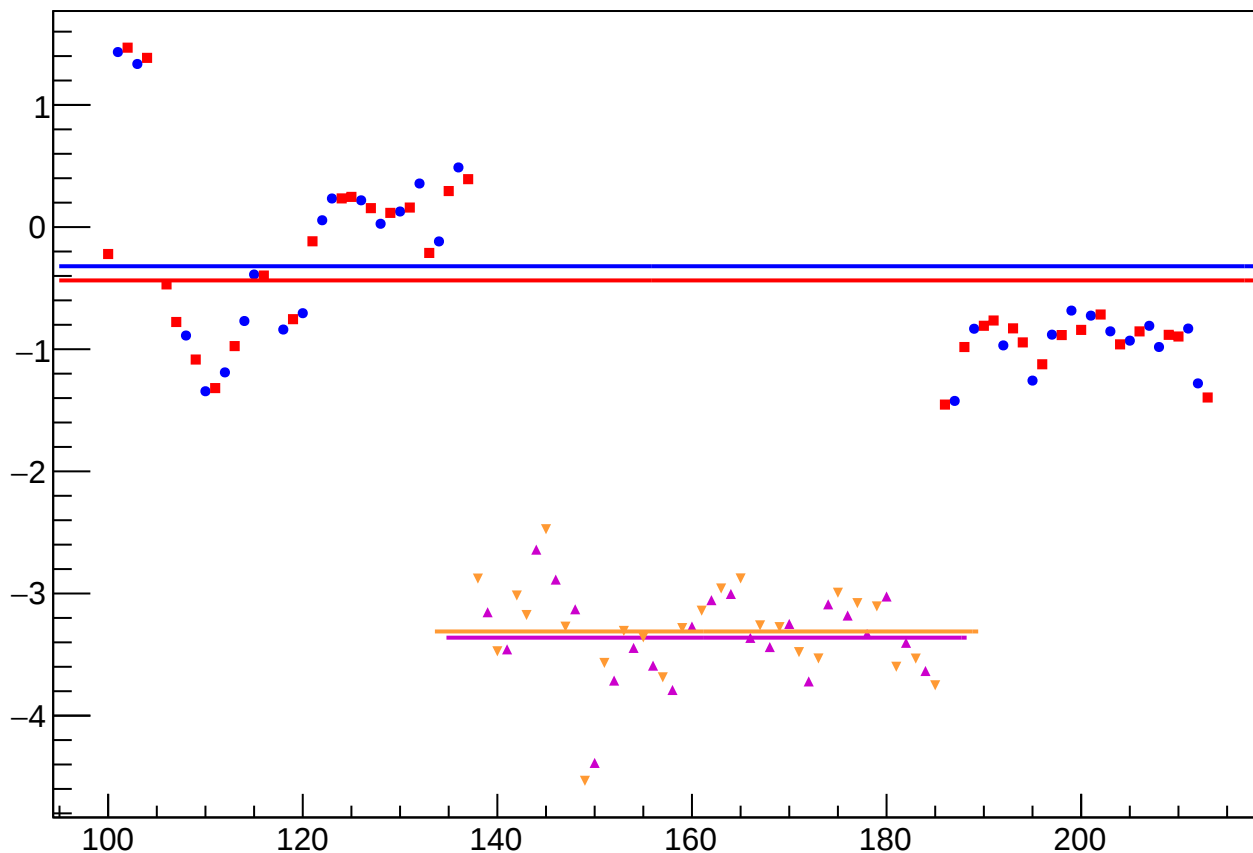
Right: 0.007+/-0.000 χ^2/NDF : 11313517.0/63

In: 0.007+/-0.000 χ^2/NDF : 5996896.3/52

Out: 0.007+/-0.000 χ^2/NDF : 6336890.5/58

All: 0.007+/-0.000 χ^2/NDF : 12334385.9/111

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.321+/-0.000 χ^2/NDF : 33863140396.0/29

Left Out: -3.311+/-0.000 χ^2/NDF : 9354397456.2/24

Right Out: -0.437+/-0.000 χ^2/NDF : 34911855017.5/33

Left In: -3.362+/-0.000 χ^2/NDF : 8171803777.4/22

Left: -3.336+/-0.000 χ^2/NDF : 17613895190.9/47

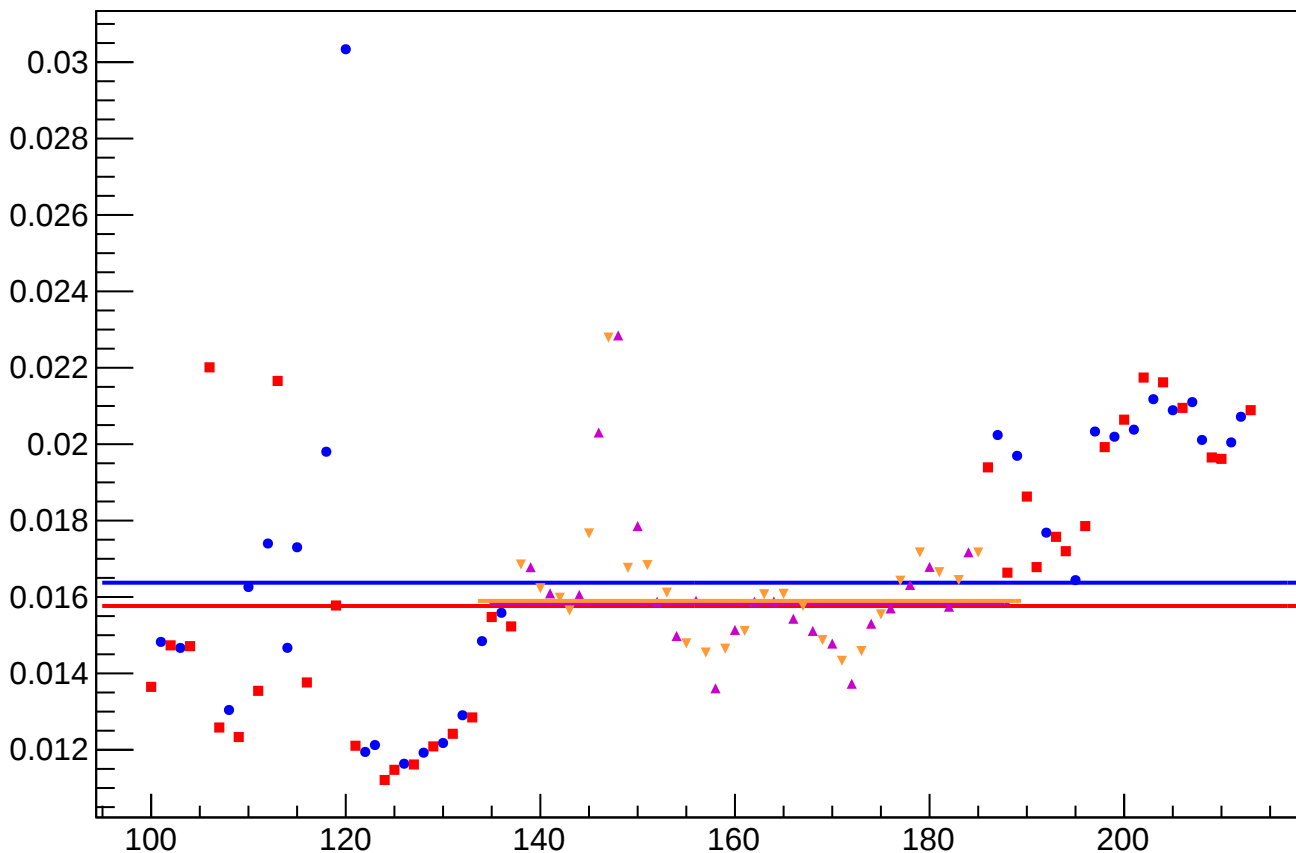
Right: -0.383+/-0.000 χ^2/NDF : 69168667171.5/63

In: -1.997+/-0.000 χ^2/NDF : 317004364849.4/52

Out: -1.941+/-0.000 χ^2/NDF : 319609574441.2/58

All: -1.968+/-0.000 χ^2/NDF : 636812316933.2

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF : 1387837.1/29

Left Out: 0.016+/-0.000 χ^2/NDF :251912.7/24

Right Out: 0.016+/-0.000 χ^2/NDF : 1478469.8/33

Left In: 0.016+/-0.000 χ^2/NDF :339542.1/22

Left: 0.016+/-0.000 χ^2/NDF : 591766.7/47

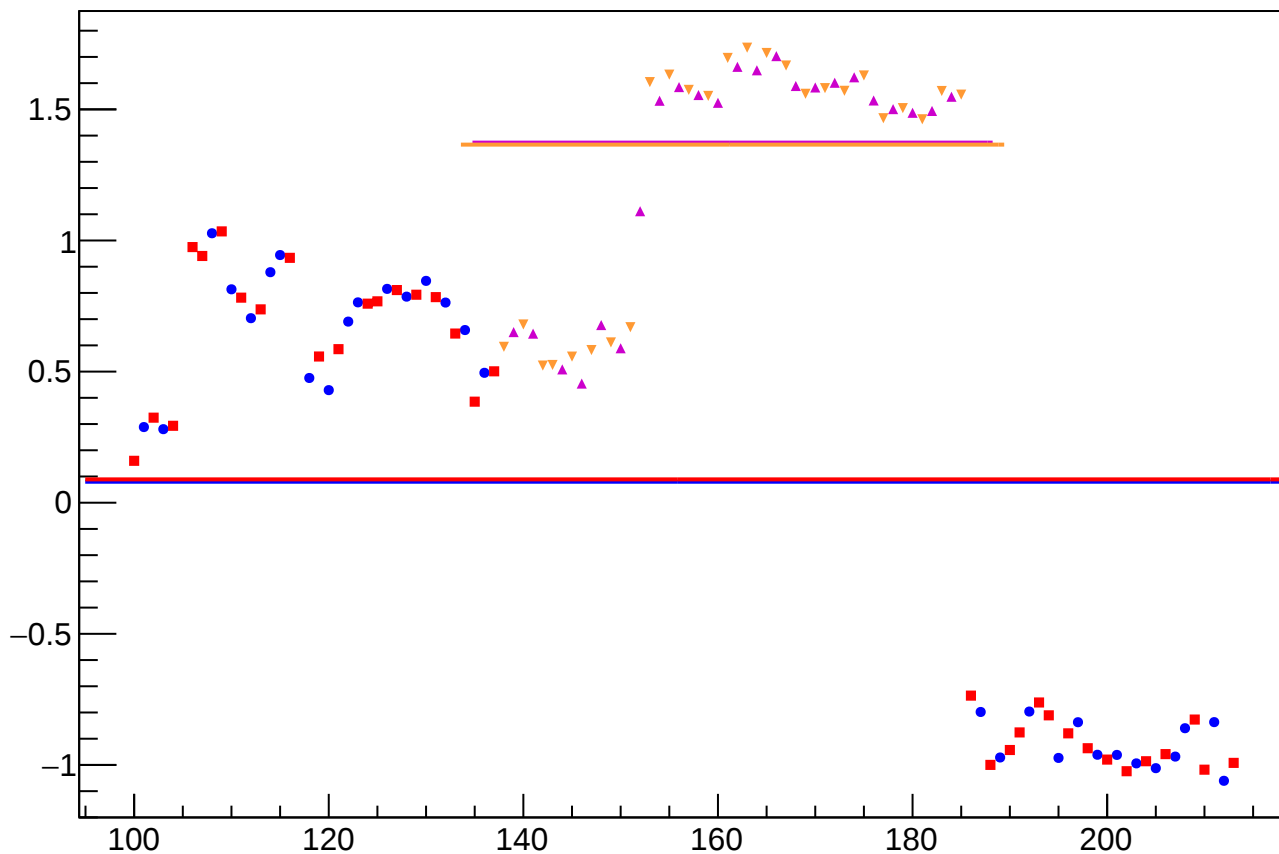
Right: 0.016+/-0.000 χ^2/NDF : 2887987.8/63

In: 0.016+/-0.000 χ^2/NDF :1744944.9/52

Out: 0.016+/-0.000 χ^2/NDF :1731570.4/58

All: 0.016+/-0.000 χ^2/NDF : 3483792.0/111

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.080+/-0.000

χ^2/NDF : 84699957226.5/29

Left Out: 1.366+/-0.000

χ^2/NDF : 74741956067.9/24

Right Out: 0.089+/-0.000

χ^2/NDF : 96749521168.5/33

Left In: 1.373+/-0.000

χ^2/NDF : 63413151416.3/22

Left: 1.369+/-0.000 χ^2/NDF : 138167468300.7/47

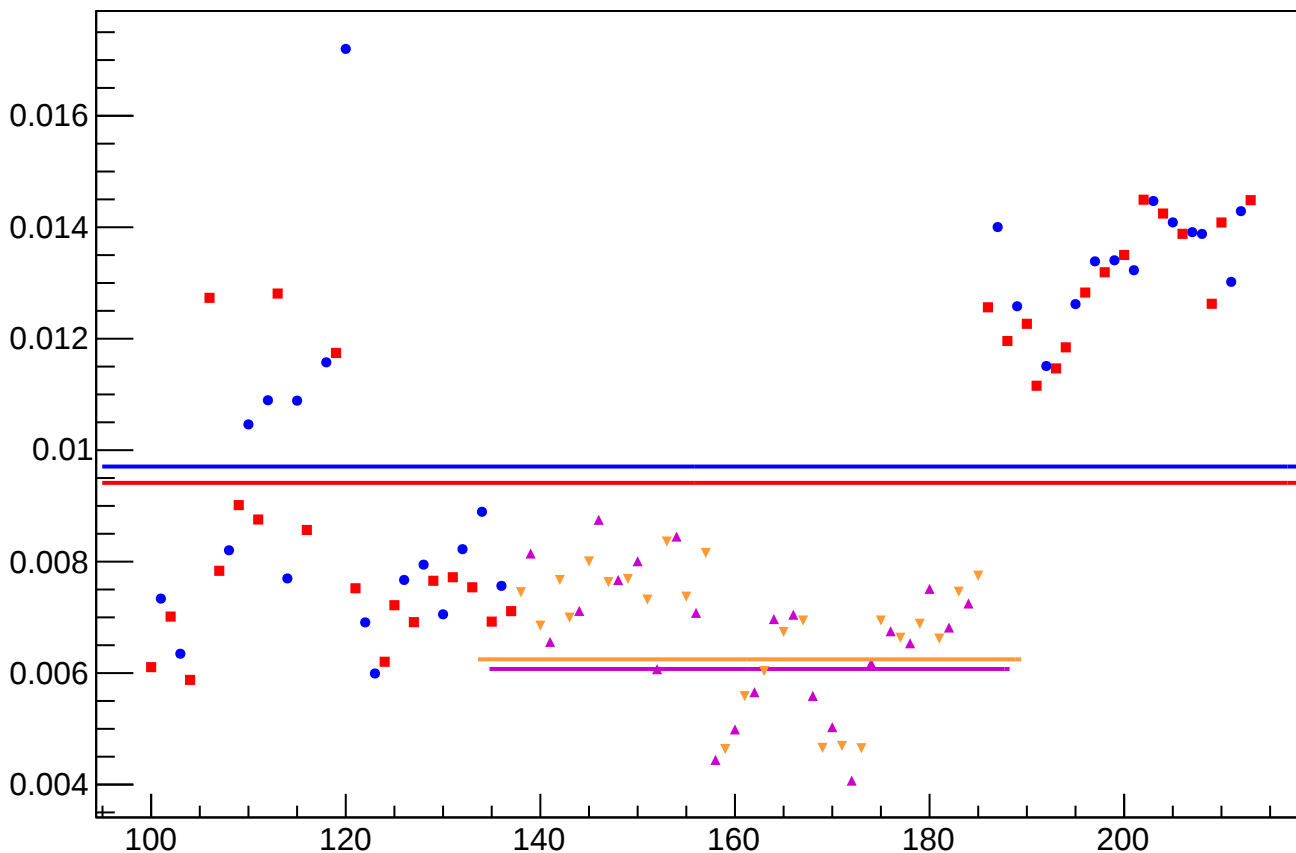
Right: 0.085+/-0.000 χ^2/NDF : 181455714702.6/63

In: 1.044+/-0.000 χ^2/NDF : 329815811025.2/52

Out: 1.006+/-0.000 χ^2/NDF : 366993248785.5/58

All: 1.025+/-0.000 χ^2/NDF : 697237722541.0

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 2506029.9/29

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1330867.5/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 2741334.6/33

Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1431986.5/22

Left: 0.006 $\pm$ 0.000 χ^2 /NDF: 2775615.7/47

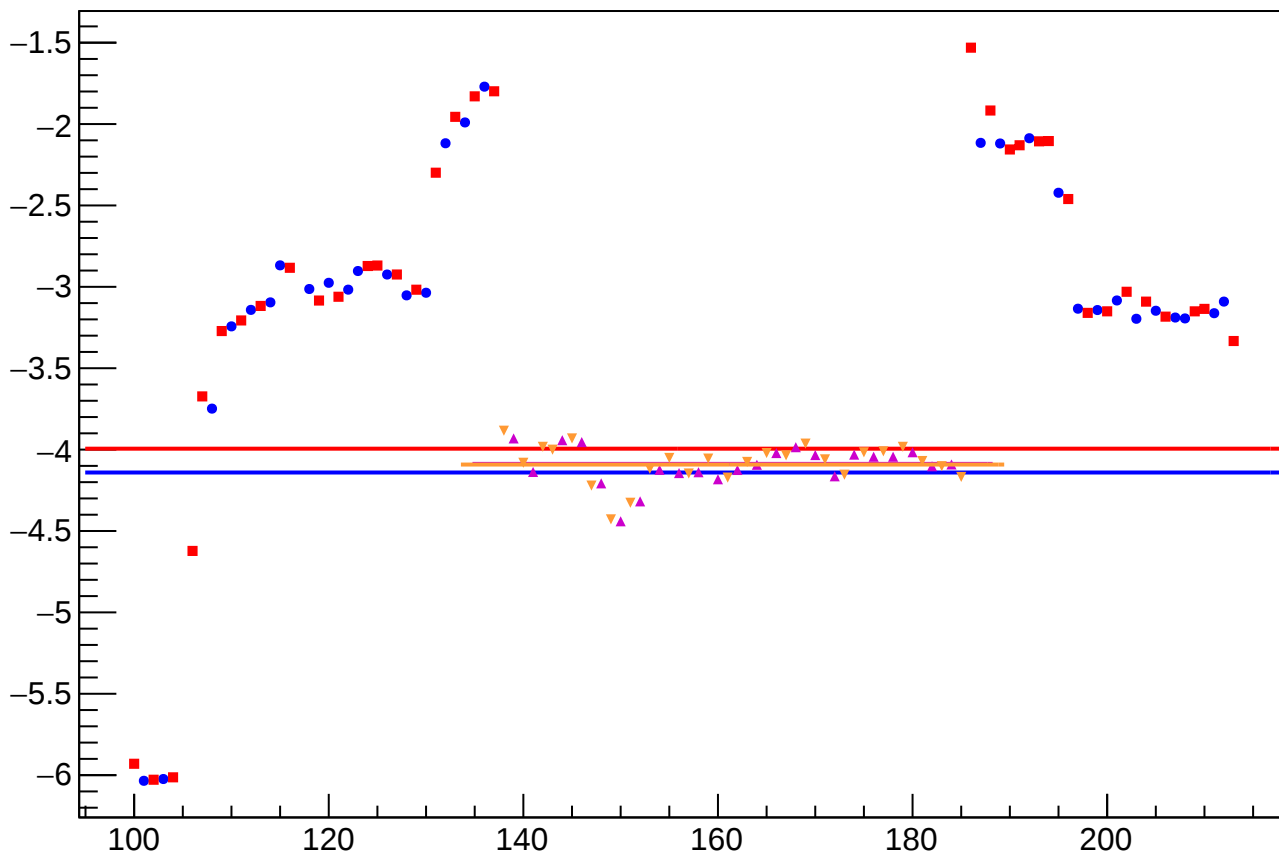
Right: 0.010 $\pm$ 0.000 χ^2 /NDF: 5260733.3/63

In: 0.007 $\pm$ 0.000 χ^2 /NDF:6805262.5/52

Out: 0.007 $\pm$ 0.000 χ^2 /NDF:6477567.3/58

All: 0.007 $\pm$ 0.000 χ^2 /NDF: 13294439.4/111

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.141+/-0.000

χ^2/NDF : 284367736568.3/29

Left Out: -4.092+/-0.000

χ^2/NDF : 39806766.7/24

Right Out: -3.994+/-0.000

χ^2/NDF : 275549758128.6/33

Left In: -4.088+/-0.000

χ^2/NDF : 34412880.7/22

Left: -4.089+/-0.000

χ^2/NDF : 74248792.8/47

Right: -4.078+/-0.000

χ^2/NDF : 560999192016.2/63

In: -4.139+/-0.000

χ^2/NDF : 284413698504.4/52

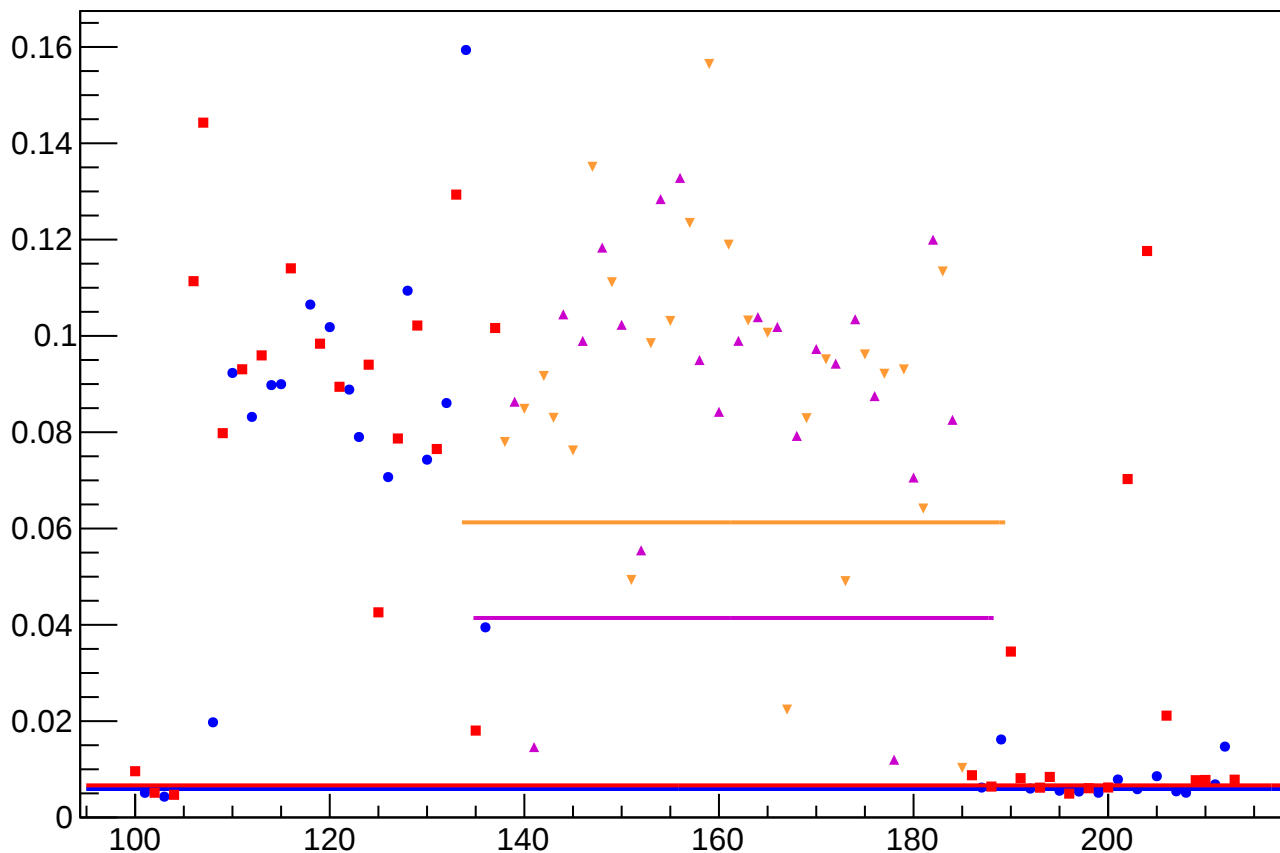
Out: -3.997+/-0.000

χ^2/NDF : 275616725384.8/58

All: -4.078+/-0.000

χ^2/NDF : 561074391204.0

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 8191138.1/29

Left Out: 0.061+/-0.000 χ^2/NDF : 8355266.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 10357194.1/33

Left In: 0.041+/-0.000 χ^2/NDF : 13124468.7/22

Left: 0.050+/-0.000 χ^2/NDF : 22855159.2/47

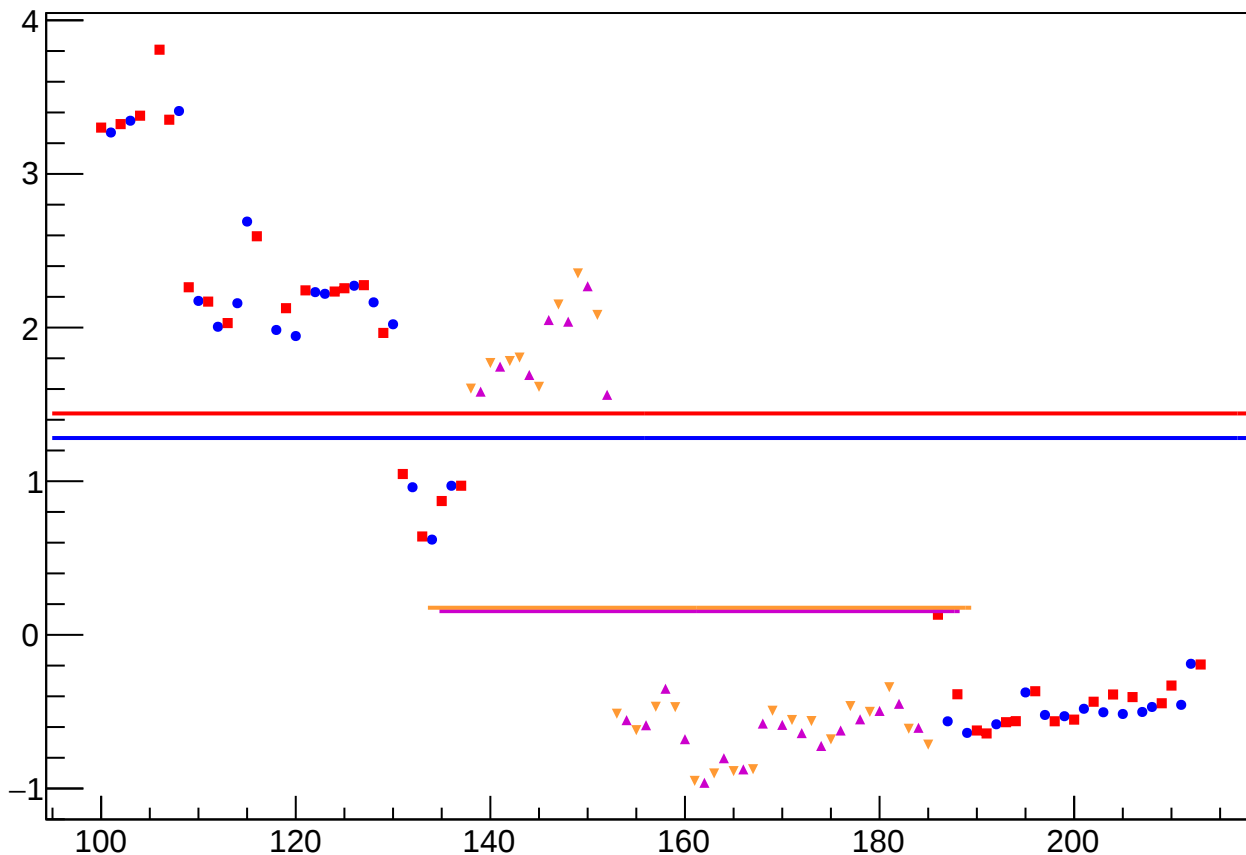
Right: 0.006+/-0.000 χ^2/NDF : 18605630.5/63

In: 0.007+/-0.000 χ^2/NDF : 31696418.9/52

Out: 0.008+/-0.000 χ^2/NDF : 35759157.4/58

All: 0.008+/-0.000 χ^2/NDF : 67623845.6/111

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.281+/-0.000 χ^2/NDF : 216926880292.2/29

Left Out: 0.177+/-0.000 χ^2/NDF : 3275313367.7/24

Right Out: 1.441+/-0.000 χ^2/NDF : 185866200129.3/33

Left In: 0.154+/-0.000 χ^2/NDF : 3163553595.0/22

Left: 0.165+/-0.000 χ^2/NDF : 6439465655.5/47

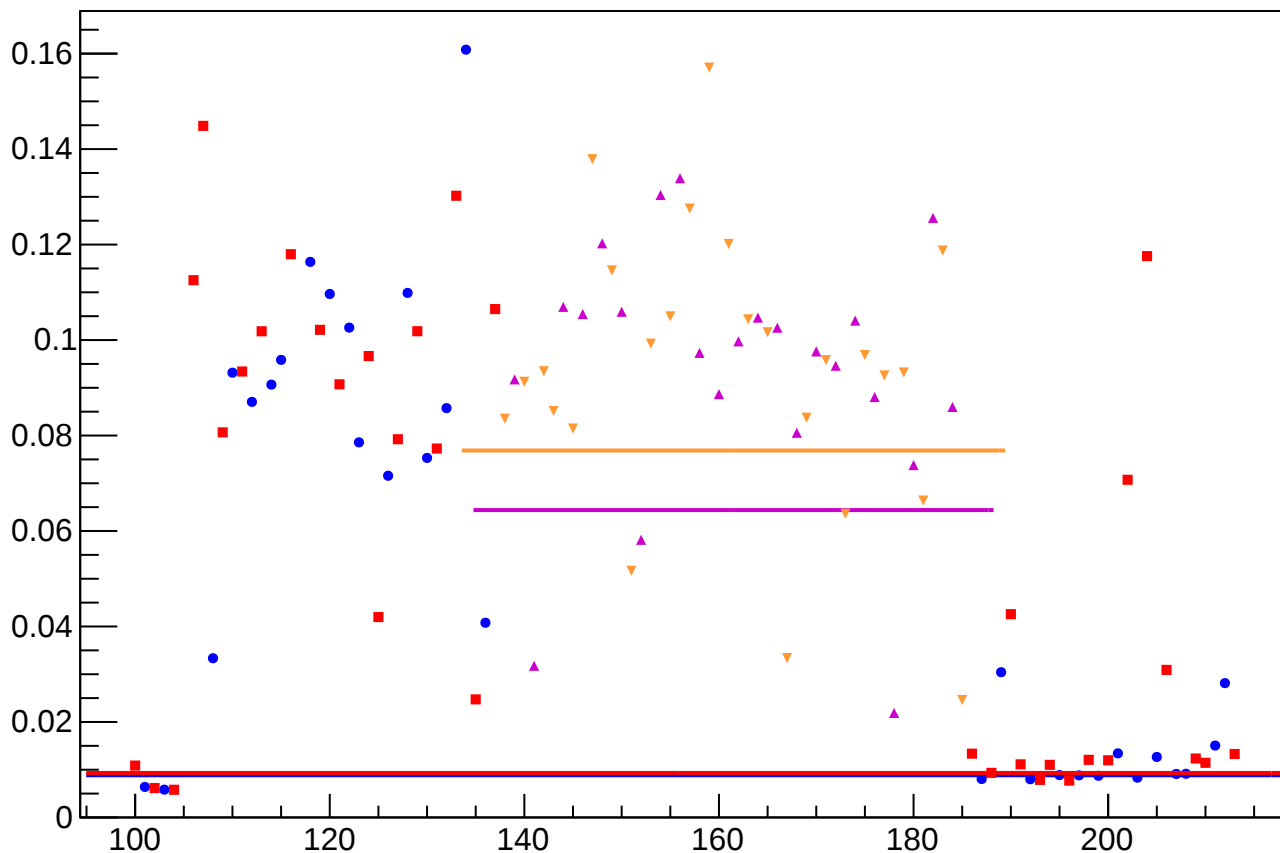
Right: 1.355+/-0.000 χ^2/NDF : 403515088630.4/63

In: 1.235+/-0.000 χ^2/NDF : 223232051222.7/52

Out: 1.389+/-0.000 χ^2/NDF : 192616900188.5/58

All: 1.307+/-0.000 χ^2/NDF : 416543795349.2

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 8355647.6/29

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:4217954.3/24

Right Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 10383715.6/33

Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:6990231.5/22

Left: 0.070 $\pm$ 0.000 χ^2 /NDF: 11584112.3/47

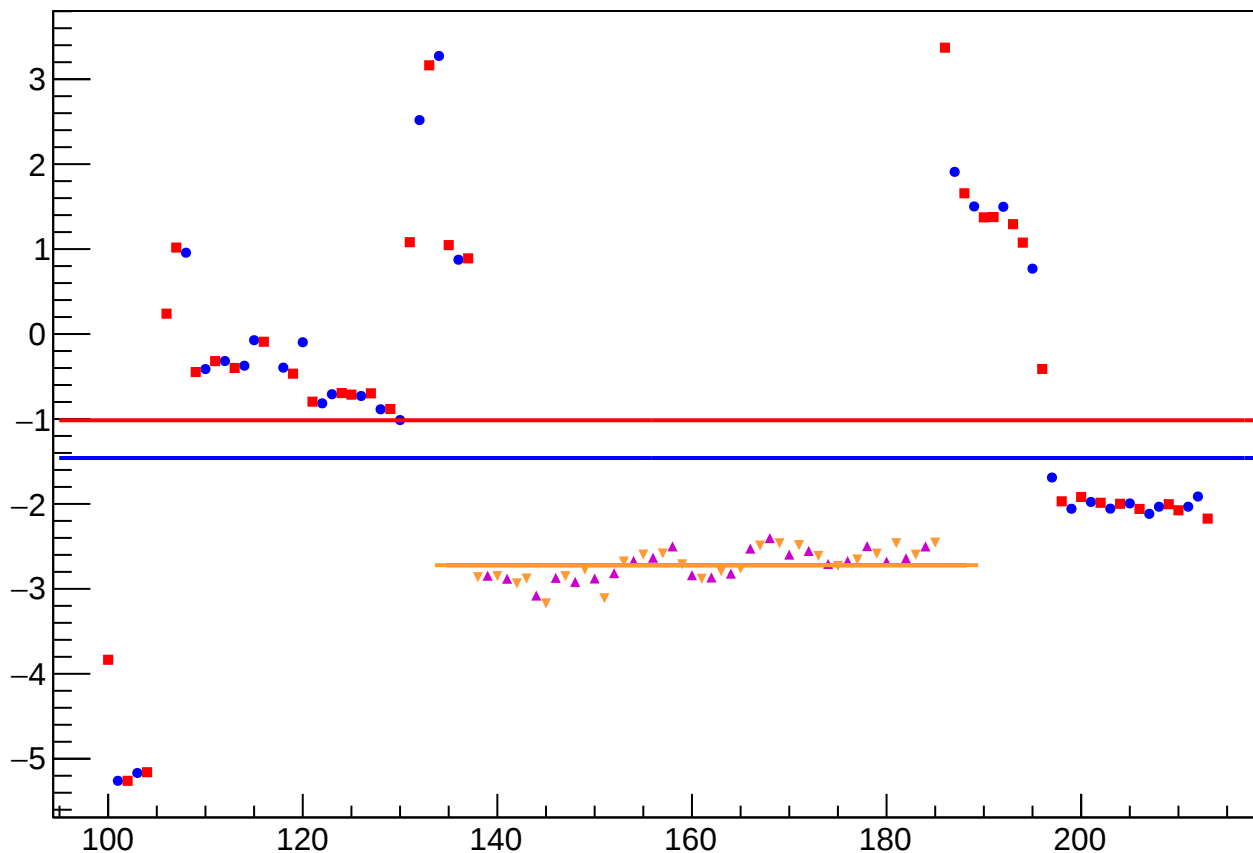
Right: 0.009 $\pm$ 0.000 χ^2 /NDF: 18752750.6/63

In: 0.011 $\pm$ 0.000 χ^2 /NDF:30615828.5/52

Out: 0.012 $\pm$ 0.000 χ^2 /NDF:34433835.0/58

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 65109921.7/111

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.459+/-0.000 χ^2/NDF : 207038298442.8/29

Left Out: -2.721+/-0.000 χ^2/NDF : 10397156971.6/24

Right Out: -1.015+/-0.000 χ^2/NDF : 240855138227.2/33

Left In: -2.722+/-0.000 χ^2/NDF : 8146484592.1/22

Left: -2.722+/-0.000 χ^2/NDF : 18543711860.5/47

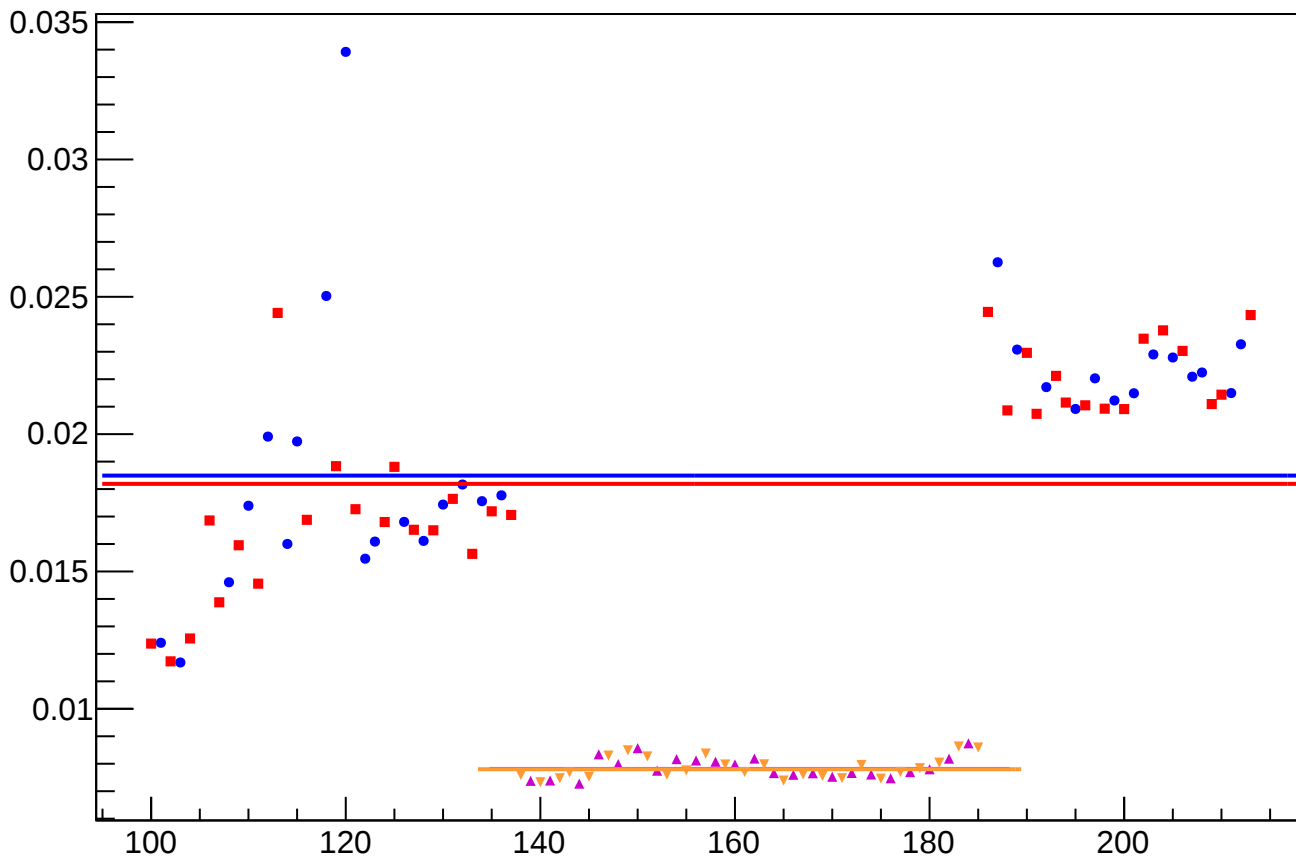
Right: -1.224+/-0.000 χ^2/NDF : 452222245587.8/63

In: -2.556+/-0.000 χ^2/NDF : 272465909152.7/52

Out: -2.485+/-0.000 χ^2/NDF : 368529913061.0/58

All: -2.519+/-0.000 χ^2/NDF : 641823035208.4

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF : 1444053.5/29

Left Out: 0.008+/-0.000 χ^2/NDF : 71164.4/24

Right Out: 0.018+/-0.000 χ^2/NDF : 1395733.2/33

Left In: 0.008+/-0.000 χ^2/NDF : 67610.2/22

Left: 0.008+/-0.000 χ^2/NDF : 138804.4/47

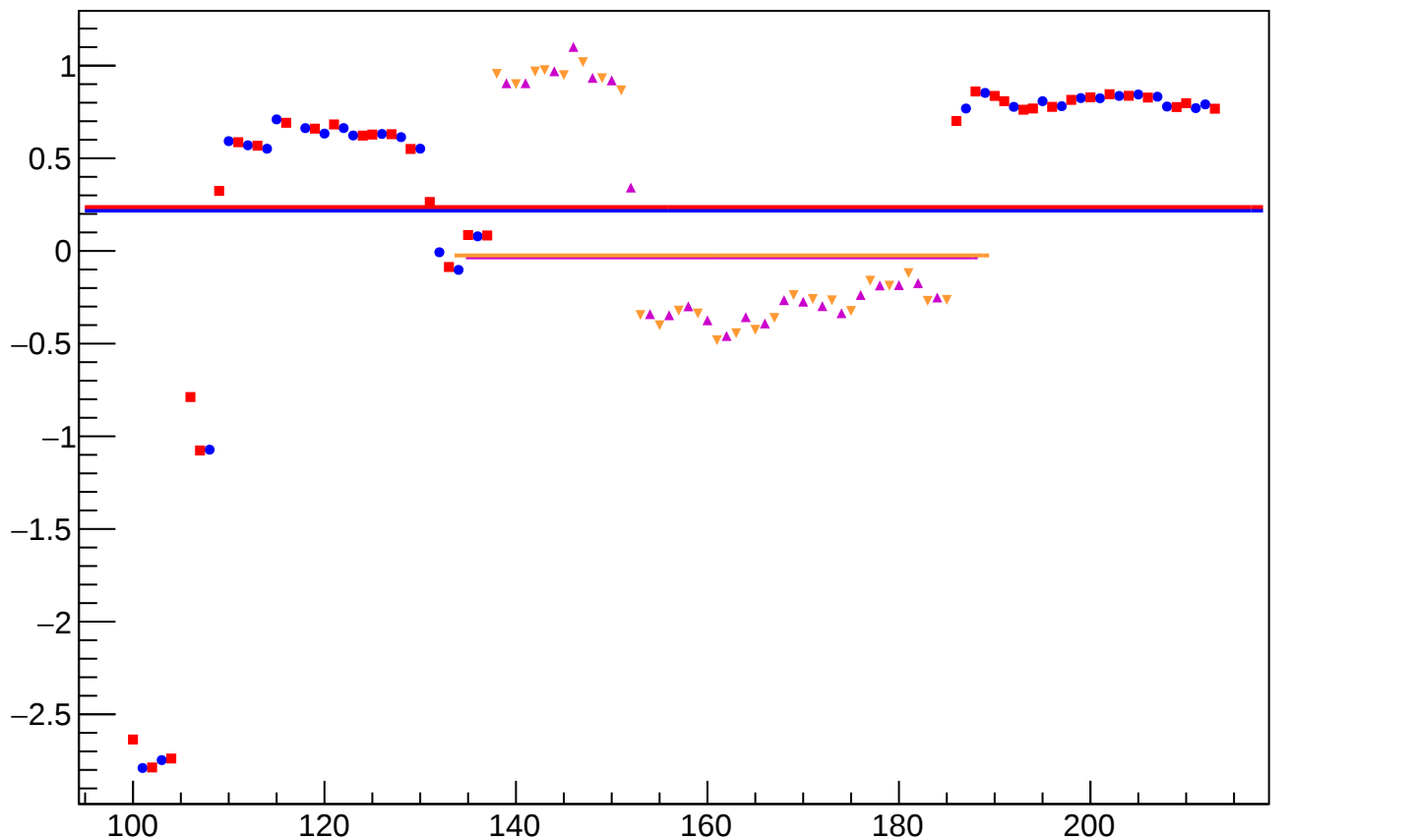
Right: 0.018+/-0.000 χ^2/NDF : 2843766.6/63

In: 0.009+/-0.000 χ^2/NDF : 9710105.1/52

Out: 0.009+/-0.000 χ^2/NDF : 10167466.4/58

All: 0.009+/-0.000 χ^2/NDF : 19877802.7/111

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.218+/-0.000

χ^2/NDF : 888413790283.6/29

Left: -0.029+/-0.000

χ^2/NDF : 249405201350.6/47

Left Out: -0.024+/-0.000

χ^2/NDF : 135451649275.0/24

Right: 0.228+/-0.000

χ^2/NDF : 1838465322842.8/63

Right Out: 0.237+/-0.000

χ^2/NDF : 949897077042.2/33

In: 0.127+/-0.000

χ^2/NDF : 1021262660806.3/52

Out: 0.147+/-0.000

χ^2/NDF : 1106907492479.7/58

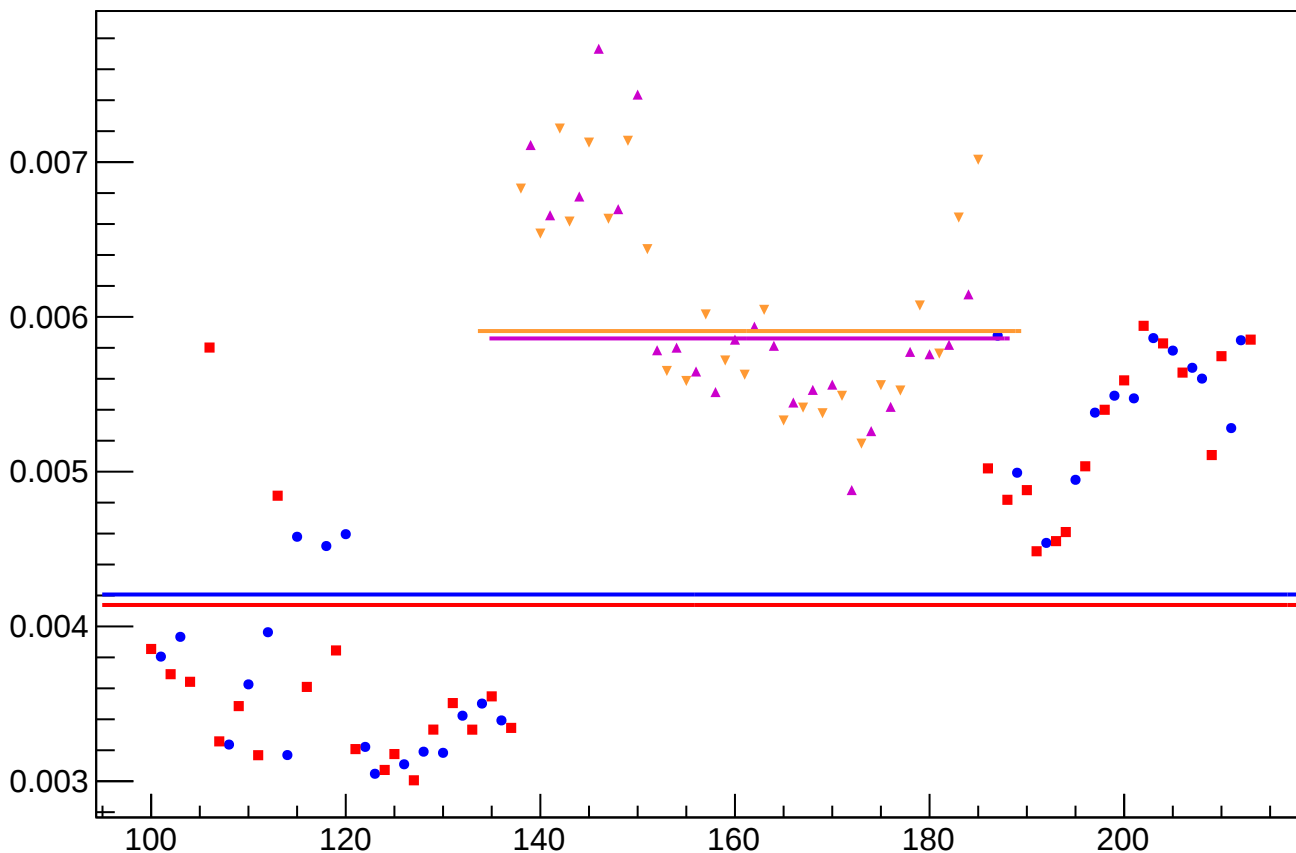
Left In: -0.034+/-0.000

χ^2/NDF : 113929060918.1/22

All: 0.137+/-0.000

χ^2/NDF : 2128443748845.0/100

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 1591780.9/29

Left Out: 0.006+/-0.000 χ^2/NDF :314309.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1676173.9/33

Left In: 0.006+/-0.000 χ^2/NDF :364512.1/22

Left: 0.006+/-0.000 χ^2/NDF : 679905.3/47

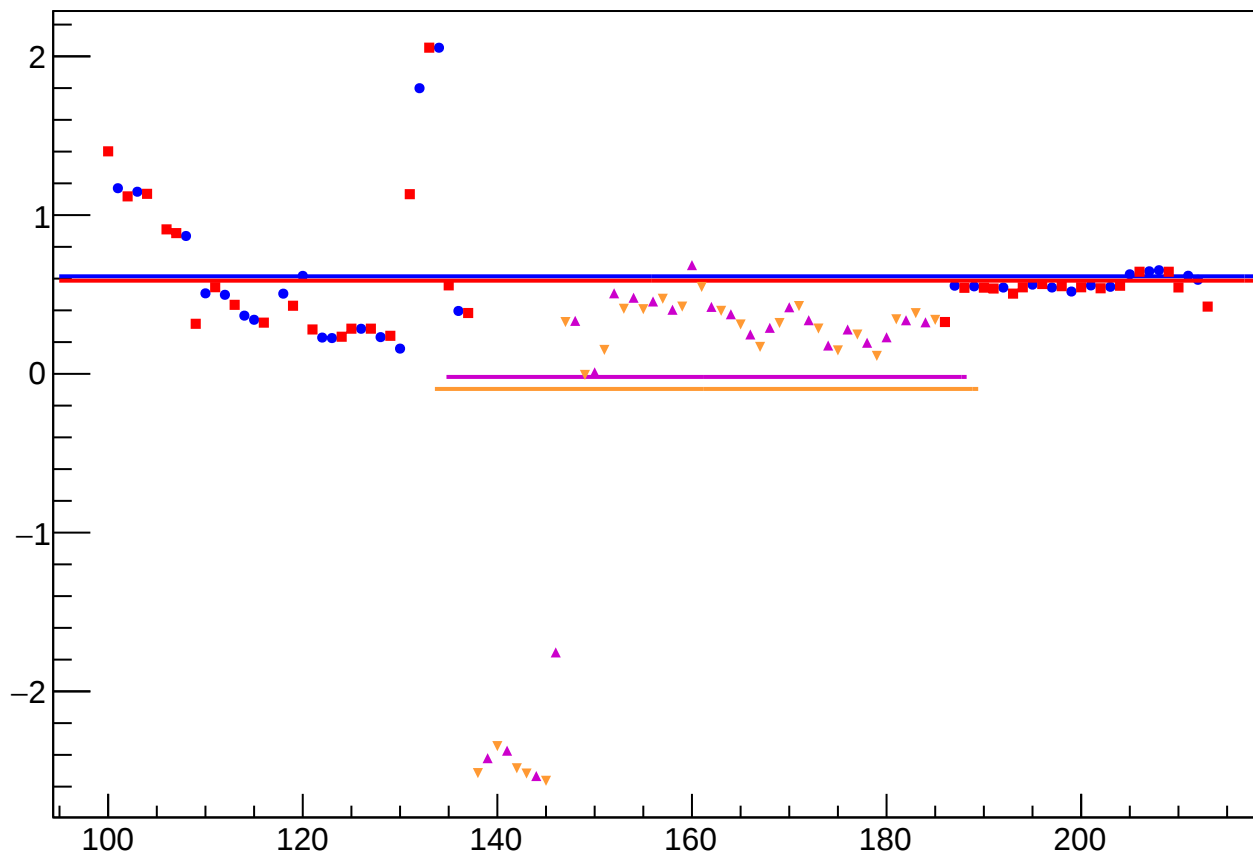
Right: 0.004+/-0.000 χ^2/NDF : 3271929.6/63

In: 0.005+/-0.000 χ^2/NDF :3583538.0/52

Out: 0.005+/-0.000 χ^2/NDF :3973363.6/58

All: 0.005+/-0.000 χ^2/NDF : 7561145.5/111

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.614 $\pm$ 0.000 χ^2 /NDF: 40640268500.4/29

Left Out: -0.095 $\pm$ 0.000 χ^2 /NDF: 505606573631.9/24

Right Out: 0.587 $\pm$ 0.000 χ^2 /NDF: 47631291176.9/33

Left In: -0.019 $\pm$ 0.000 χ^2 /NDF: 417104863944.5/22

Left: -0.058 $\pm$ 0.000 χ^2 /NDF: 924153662333.7/47

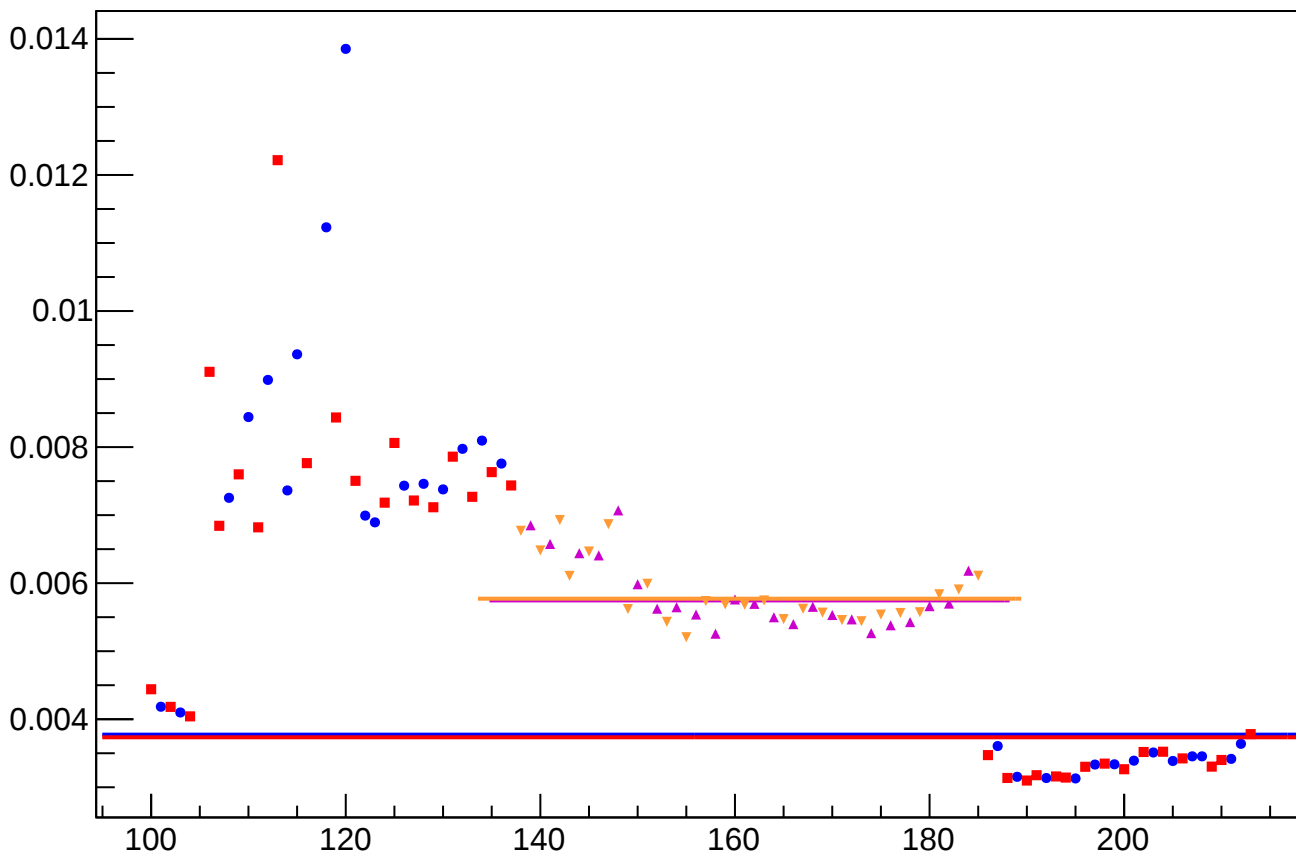
Right: 0.600 $\pm$ 0.000 χ^2 /NDF: 88640668314.4/63

In: 0.395 $\pm$ 0.000 χ^2 /NDF: 587255187515.4/52

Out: 0.362 $\pm$ 0.000 χ^2 /NDF: 713872192598.8/58

All: 0.378 $\pm$ 0.000 χ^2 /NDF: 1301922998286.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 3145411.2/29

Left Out: 0.006+/-0.000 χ^2/NDF :177680.7/24

Right Out: 0.004+/-0.000 χ^2/NDF : 3193455.4/33

Left In: 0.006+/-0.000 χ^2/NDF :204066.4/22

Left: 0.006+/-0.000 χ^2/NDF : 382076.8/47

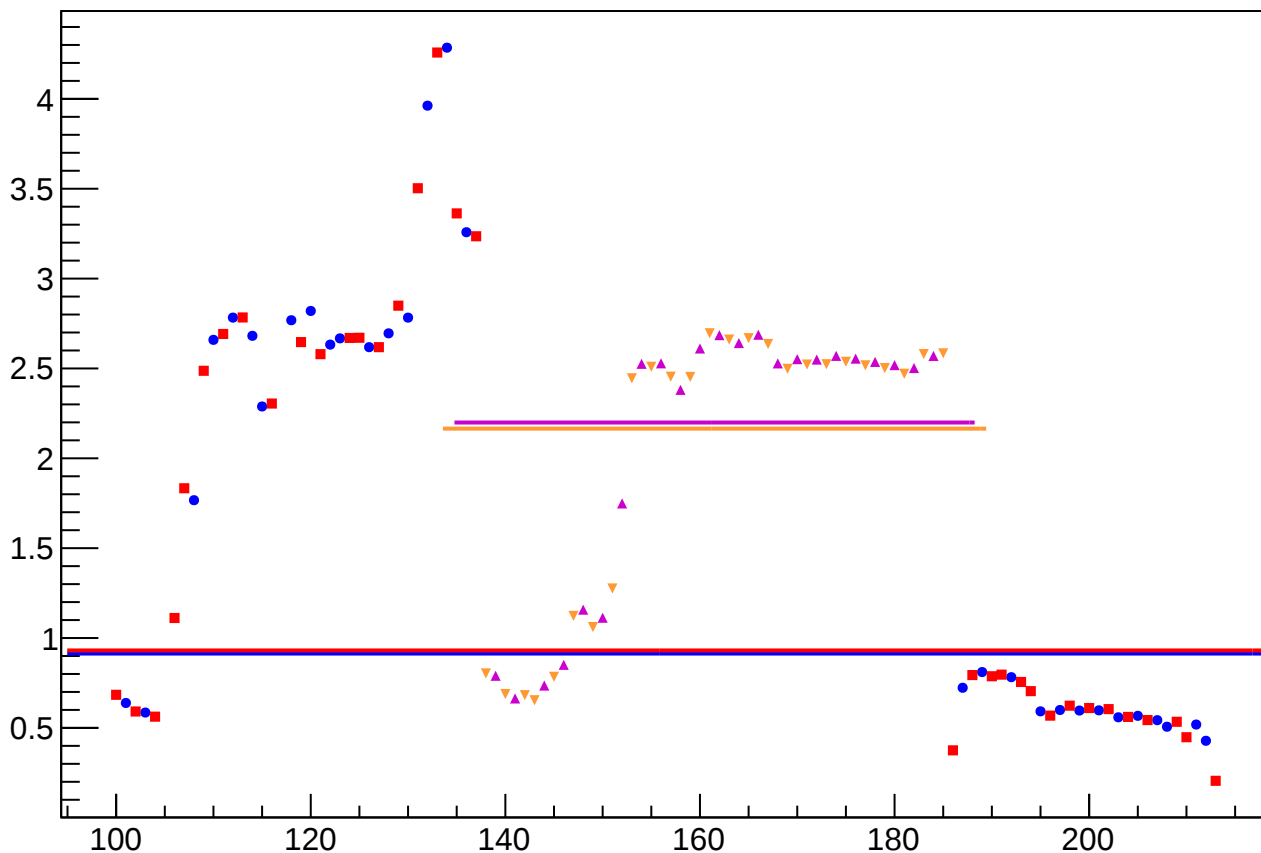
Right: 0.004+/-0.000 χ^2/NDF : 6340360.9/63

In: 0.004+/-0.000 χ^2/NDF :5860373.0/52

Out: 0.004+/-0.000 χ^2/NDF :6238946.7/58

All: 0.004+/-0.000 χ^2/NDF : 12103150.0/111

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 0.914+/-0.000 χ^2/NDF : 307982621008.9/29

Left Out: 2.165+/-0.000 χ^2/NDF : 292800056899.6/24

Right Out: 0.931+/-0.000 χ^2/NDF : 363286686893.6/33

Left In: 2.199+/-0.000 χ^2/NDF : 253166239065.4/22

Left: 2.182+/-0.000 χ^2/NDF : 546302258971.9/47

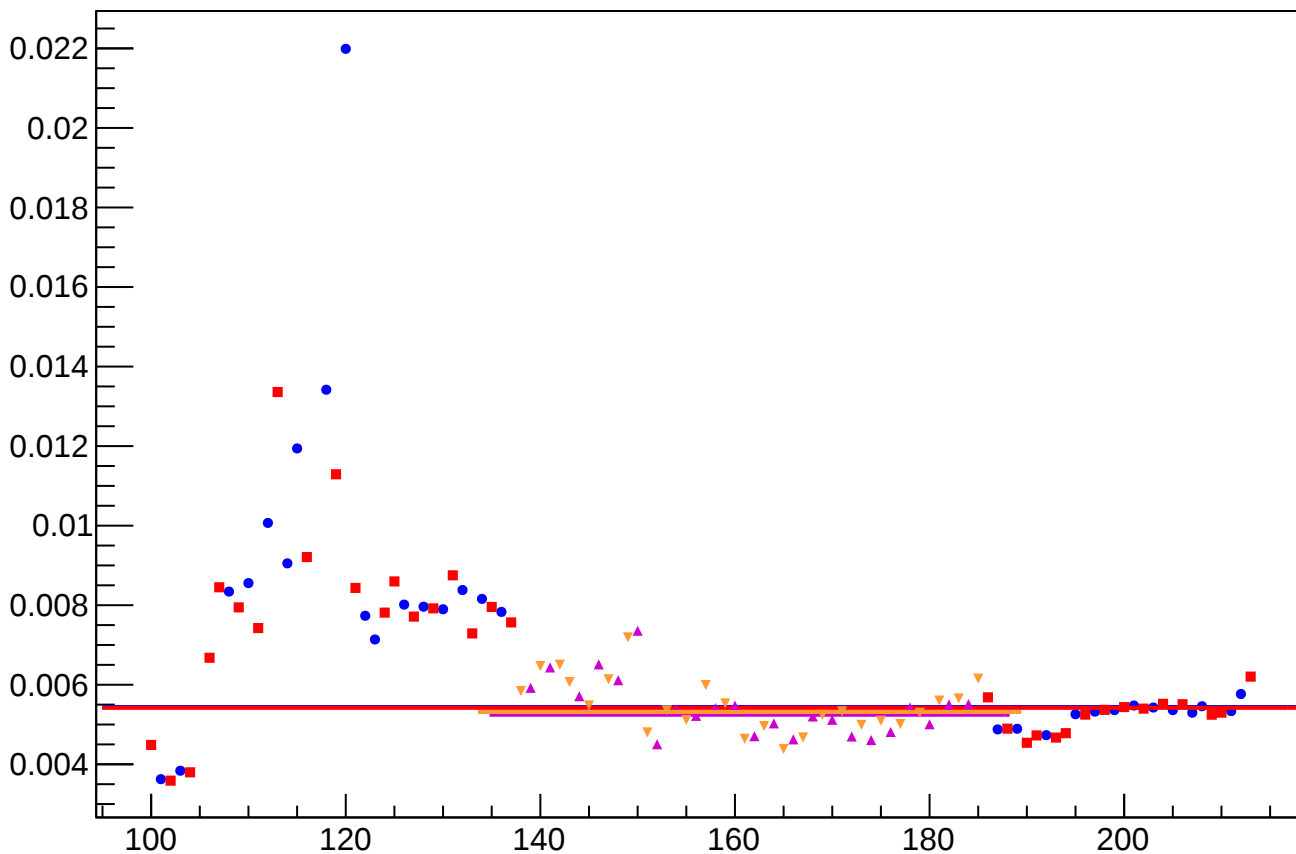
Right: 0.923+/-0.000 χ^2/NDF : 671341672655.8/63

In: 1.624+/-0.000 χ^2/NDF : 984295866539.8/52

Out: 1.589+/-0.000 χ^2/NDF : 1073816268679.6/58

All: 1.606+/-0.000 χ^2/NDF : 2058774307410.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 2011526.7/29

Left Out: 0.005+/-0.000 χ^2/NDF :398795.0/24

Right Out: 0.005+/-0.000 χ^2/NDF : 1903128.6/33

Left In: 0.005+/-0.000 χ^2/NDF :425864.8/22

Left: 0.005+/-0.000 χ^2/NDF : 827475.4/47

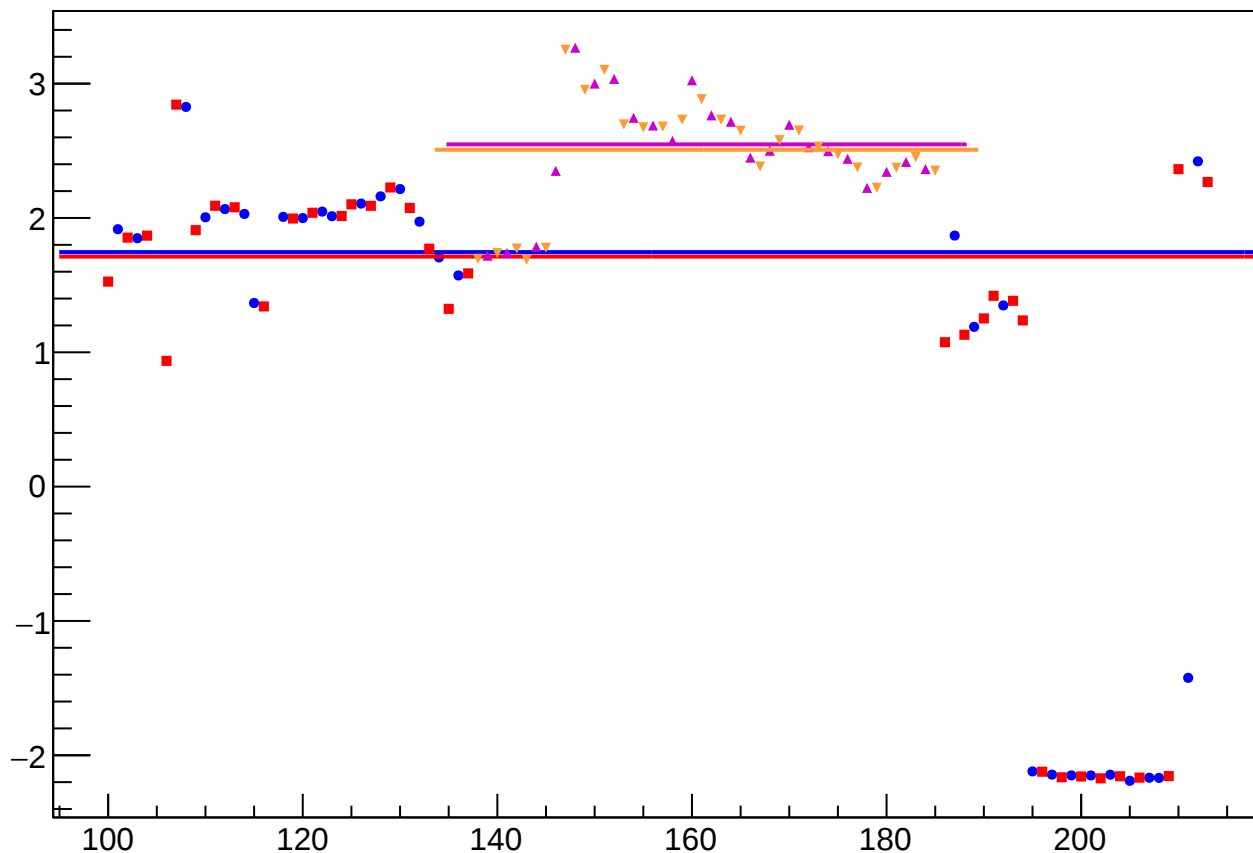
Right: 0.005+/-0.000 χ^2/NDF : 3914836.5/63

In: 0.005+/-0.000 χ^2/NDF :2456526.5/52

Out: 0.005+/-0.000 χ^2/NDF :2307894.3/58

All: 0.005+/-0.000 χ^2/NDF : 4765509.4/111

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.746 $\pm$ 0.000 χ^2 /NDF: 160383320944.5/29

Left Out: 2.508 $\pm$ 0.000 χ^2 /NDF: 52355332406.0/24

Right Out: 1.713 $\pm$ 0.000 χ^2 /NDF: 143787934785.4/33

Left In: 2.548 $\pm$ 0.000 χ^2 /NDF: 45350336058.7/22

Left: 2.527 $\pm$ 0.000 χ^2 /NDF: 97963993742.3/47

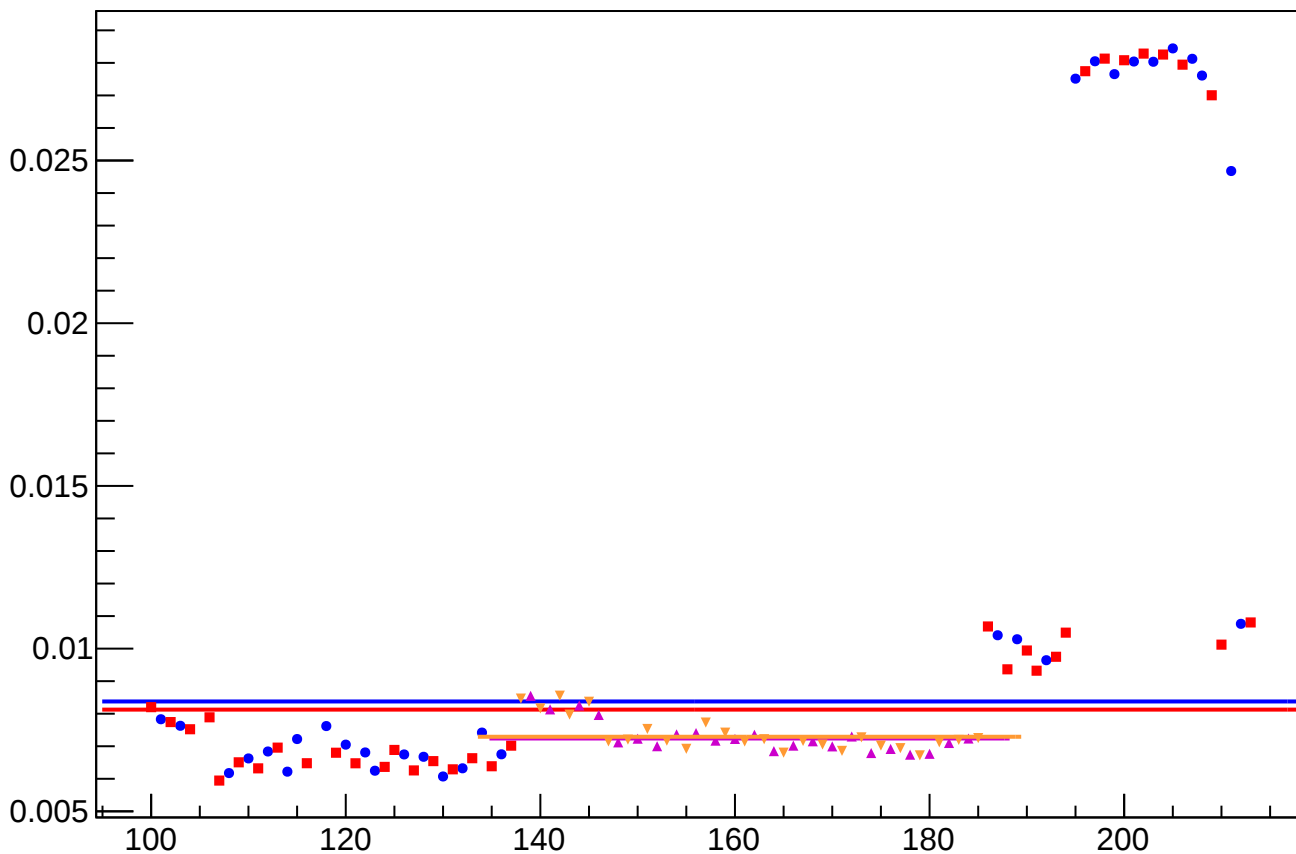
Right: 1.727 $\pm$ 0.000 χ^2 /NDF: 304272907653.7/63

In: 2.271 $\pm$ 0.000 χ^2 /NDF: 276026170674.0/52

Out: 2.203 $\pm$ 0.000 χ^2 /NDF: 275729278018.0/58

All: 2.235 $\pm$ 0.000 χ^2 /NDF: 552930420242.8

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 7586576.8/29

Left Out: 0.007+/-0.000 χ^2/NDF :140788.4/24

Right Out: 0.008+/-0.000 χ^2/NDF : 6397949.2/33

Left In: 0.007+/-0.000 χ^2/NDF :125233.2/22

Left: 0.007+/-0.000 χ^2/NDF : 266945.6/47

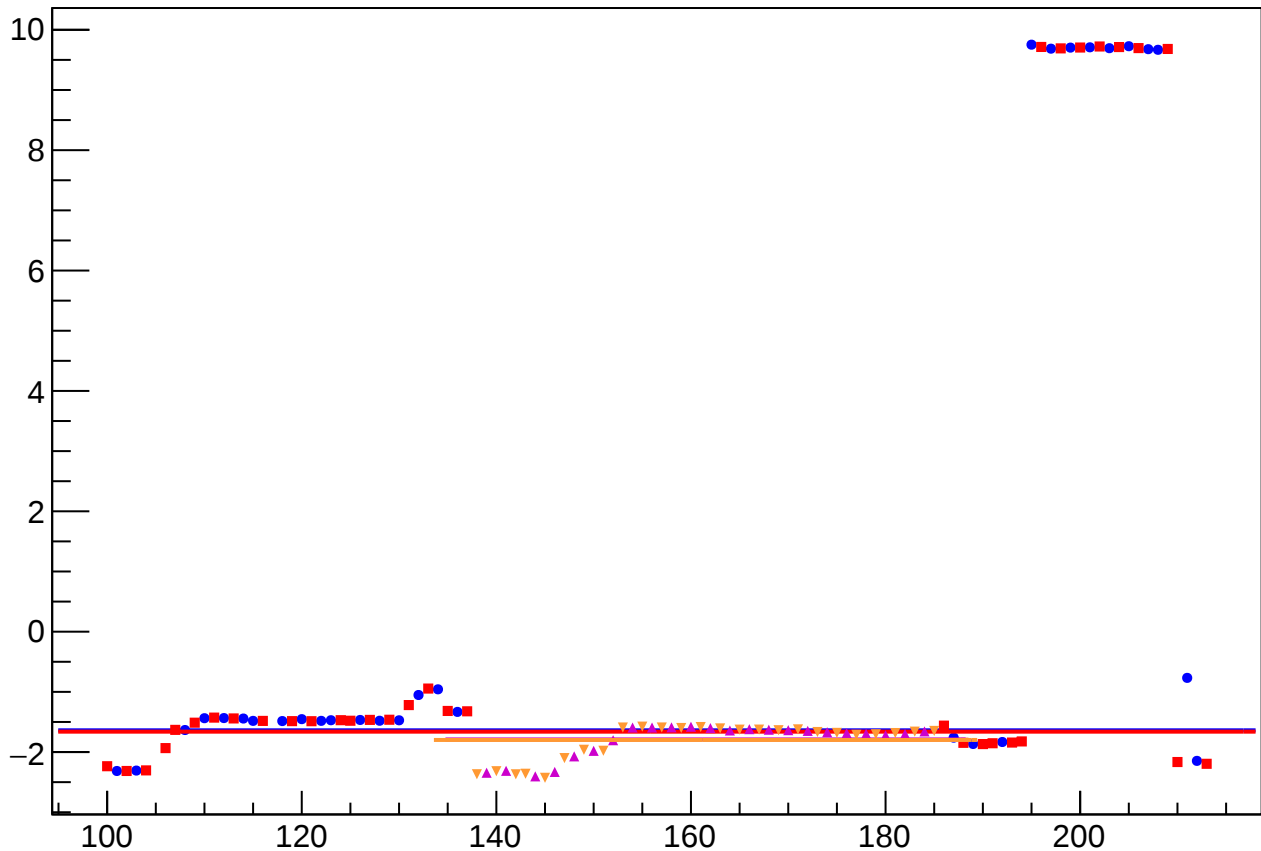
Right: 0.008+/-0.000 χ^2/NDF : 13996056.6/63

In: 0.008+/-0.000 χ^2/NDF :7995002.5/52

Out: 0.008+/-0.000 χ^2/NDF :6713843.1/58

All: 0.008+/-0.000 χ^2/NDF : 14709038.6/111

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.639+/-0.000 χ^2/NDF : 373200047468.0/29

Left Out: -1.799+/-0.000 χ^2/NDF : 185362087438.8/24

Right Out: -1.661+/-0.000 χ^2/NDF : 365011907264.5/33

Left In: -1.790+/-0.000 χ^2/NDF : 159648935510.8/22

Left: -1.795+/-0.000 χ^2/NDF : 345099435201.4/47

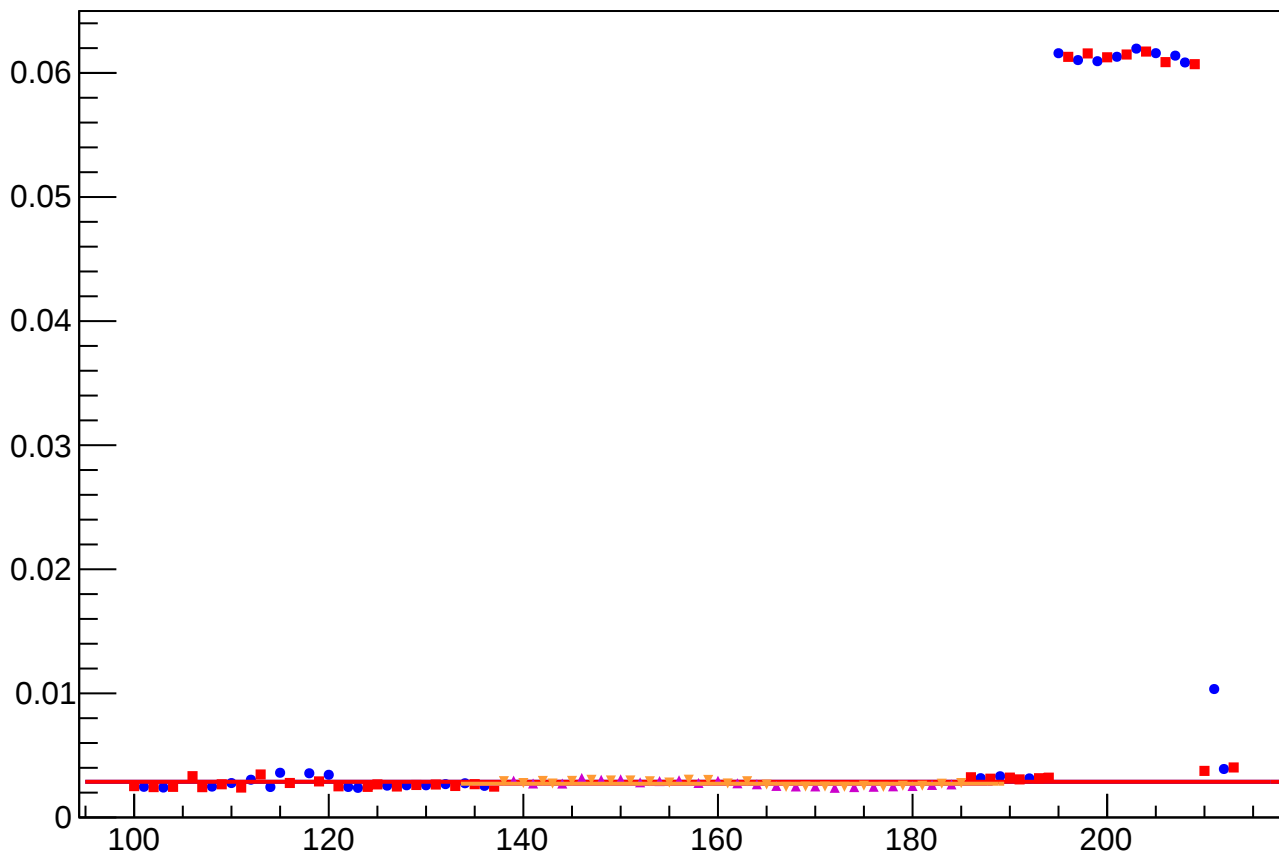
Right: -1.651+/-0.000 χ^2/NDF : 738517334923.8/63

In: -1.741+/-0.000 χ^2/NDF : 549802288613.2/52

Out: -1.748+/-0.000 χ^2/NDF : 566928920908.3/58

All: -1.745+/-0.000 χ^2/NDF : 1116824290350

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF : 11864808.1/29

Left Out: 0.003+/-0.000 χ^2/NDF :199695.2/24

Right Out: 0.003+/-0.000 χ^2/NDF : 10117997.4/33

Left In: 0.003+/-0.000 χ^2/NDF :220327.9/22

Left: 0.003+/-0.000 χ^2/NDF : 420716.9/47

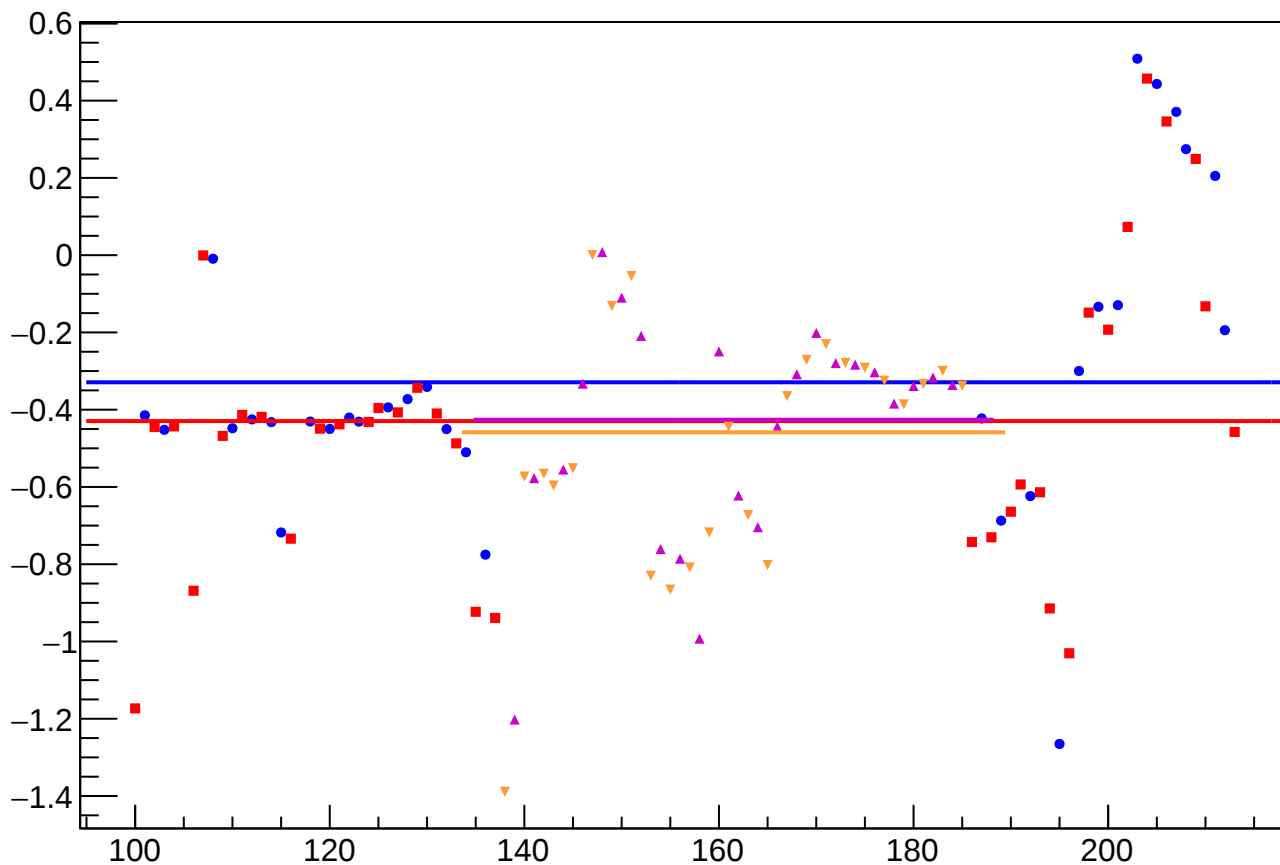
Right: 0.003+/-0.000 χ^2/NDF : 21982821.6/63

In: 0.003+/-0.000 χ^2/NDF :12128233.4/52

Out: 0.003+/-0.000 χ^2/NDF :10360711.3/58

All: 0.003+/-0.000 χ^2/NDF : 22490307.6/111

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.329 ± 0.000 $\chi^2/\text{NDF}: 10813818995.9/29$

Left Out: -0.459 ± 0.000 $\chi^2/\text{NDF}: 9916462814.9/24$

Right Out: -0.429 ± 0.000 $\chi^2/\text{NDF}: 10158243554.2/33$

Left In: -0.426 ± 0.000 $\chi^2/\text{NDF}: 8424222576.0/22$

Left: -0.443 ± 0.000 $\chi^2/\text{NDF}: 18401926676.9/47$

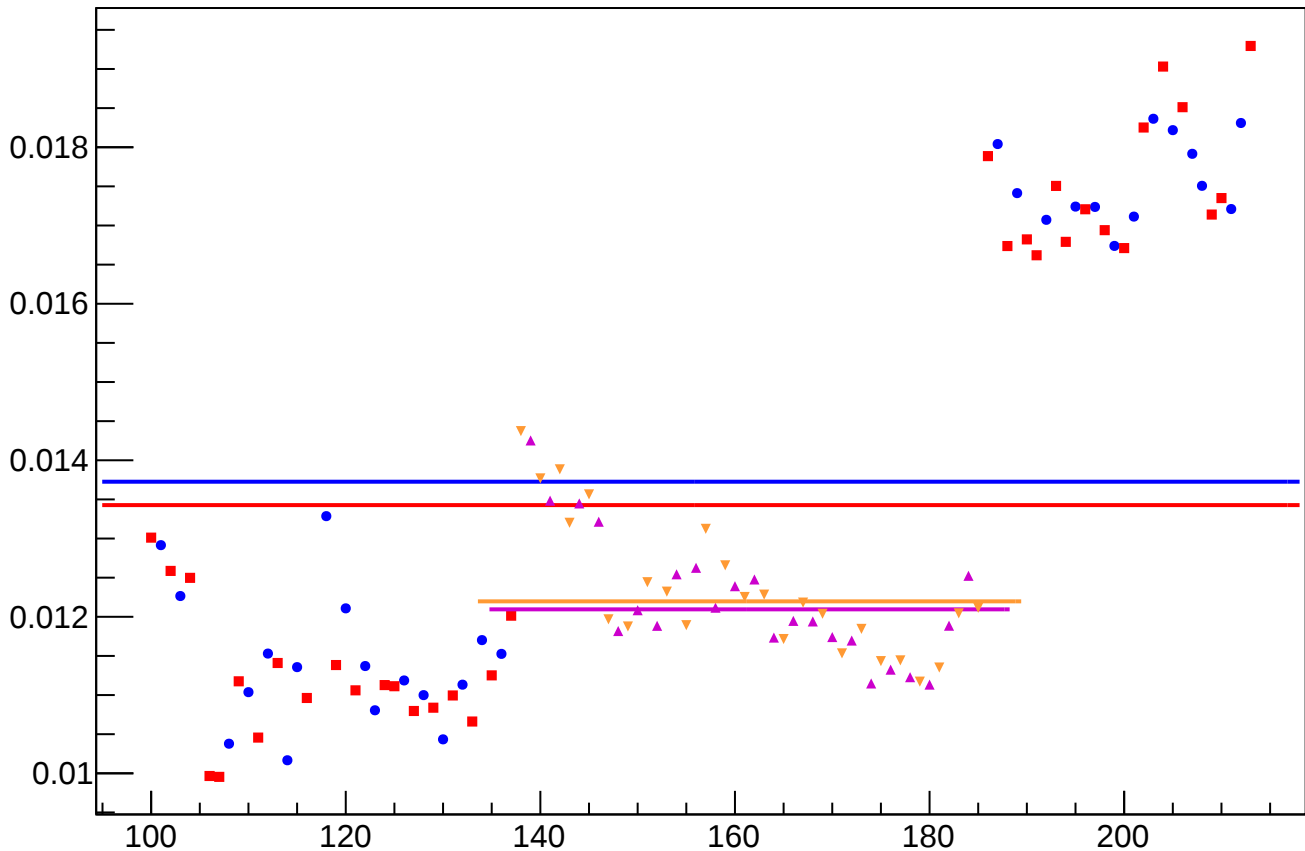
Right: -0.382 ± 0.000 $\chi^2/\text{NDF}: 21392038330.0/63$

In: -0.386 ± 0.000 $\chi^2/\text{NDF}: 19674016385.5/52$

Out: -0.446 ± 0.000 $\chi^2/\text{NDF}: 20117345563.7/58$

All: -0.417 ± 0.000 $\chi^2/\text{NDF}: 40146981473.1/110$

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1424361.3/29

Left Out: 0.012+/-0.000 χ^2/NDF :141850.9/24

Right Out: 0.013+/-0.000 χ^2/NDF : 1757165.4/33

Left In: 0.012+/-0.000 χ^2/NDF :127308.3/22

Left: 0.012+/-0.000 χ^2/NDF : 270367.5/47

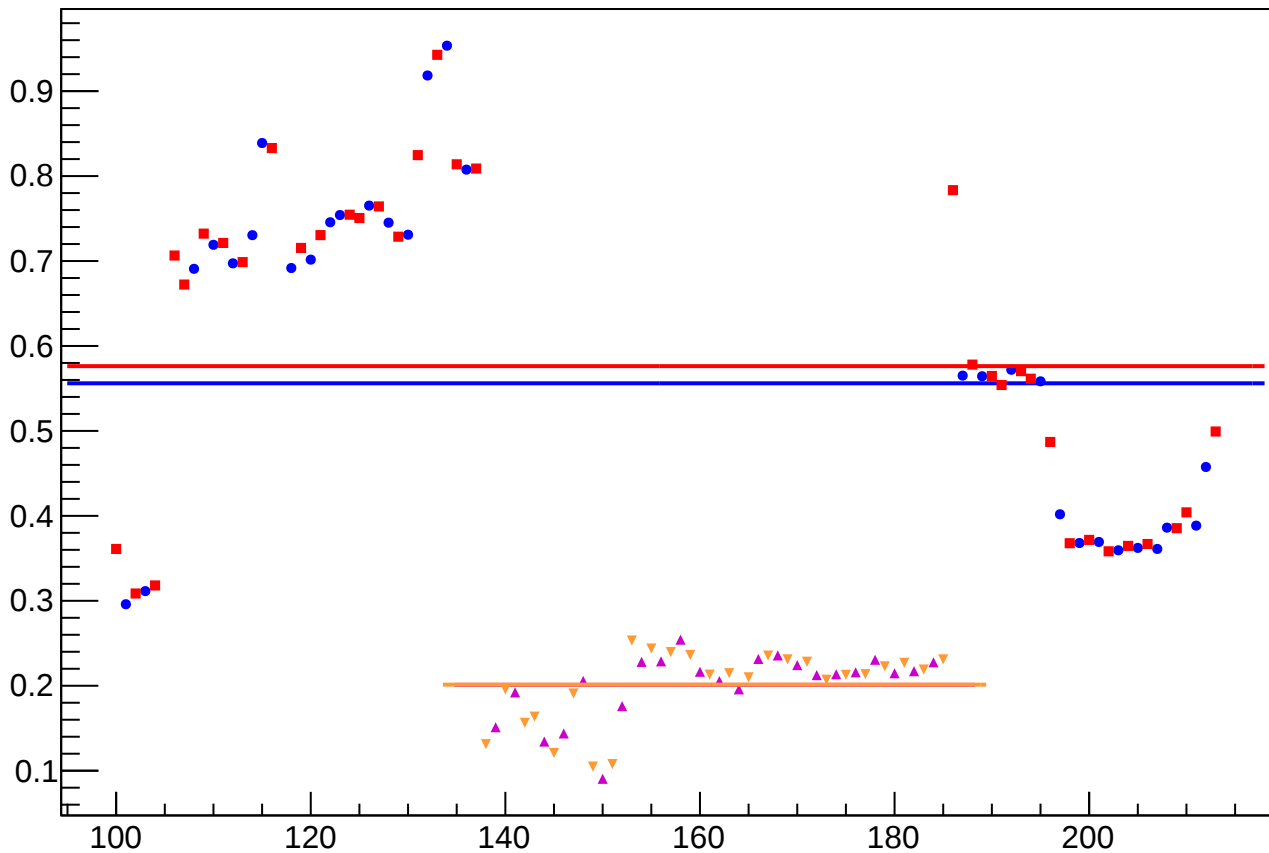
Right: 0.014+/-0.000 χ^2/NDF : 3188973.7/63

In: 0.013+/-0.000 χ^2/NDF :1798787.6/52

Out: 0.013+/-0.000 χ^2/NDF :2052167.6/58

All: 0.013+/-0.000 χ^2/NDF : 3851249.8/111

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.556 $\pm$ 0.000 χ^2 /NDF: 76086227709.3/29

Left Out: 0.201 $\pm$ 0.000 χ^2 /NDF: 7090760823.7/24

Right Out: 0.576 $\pm$ 0.000 χ^2 /NDF: 73763444849.1/33

Left In: 0.201 $\pm$ 0.000 χ^2 /NDF: 5671770181.2/22

Left: 0.201 $\pm$ 0.000 χ^2 /NDF: 12762673178.0/47

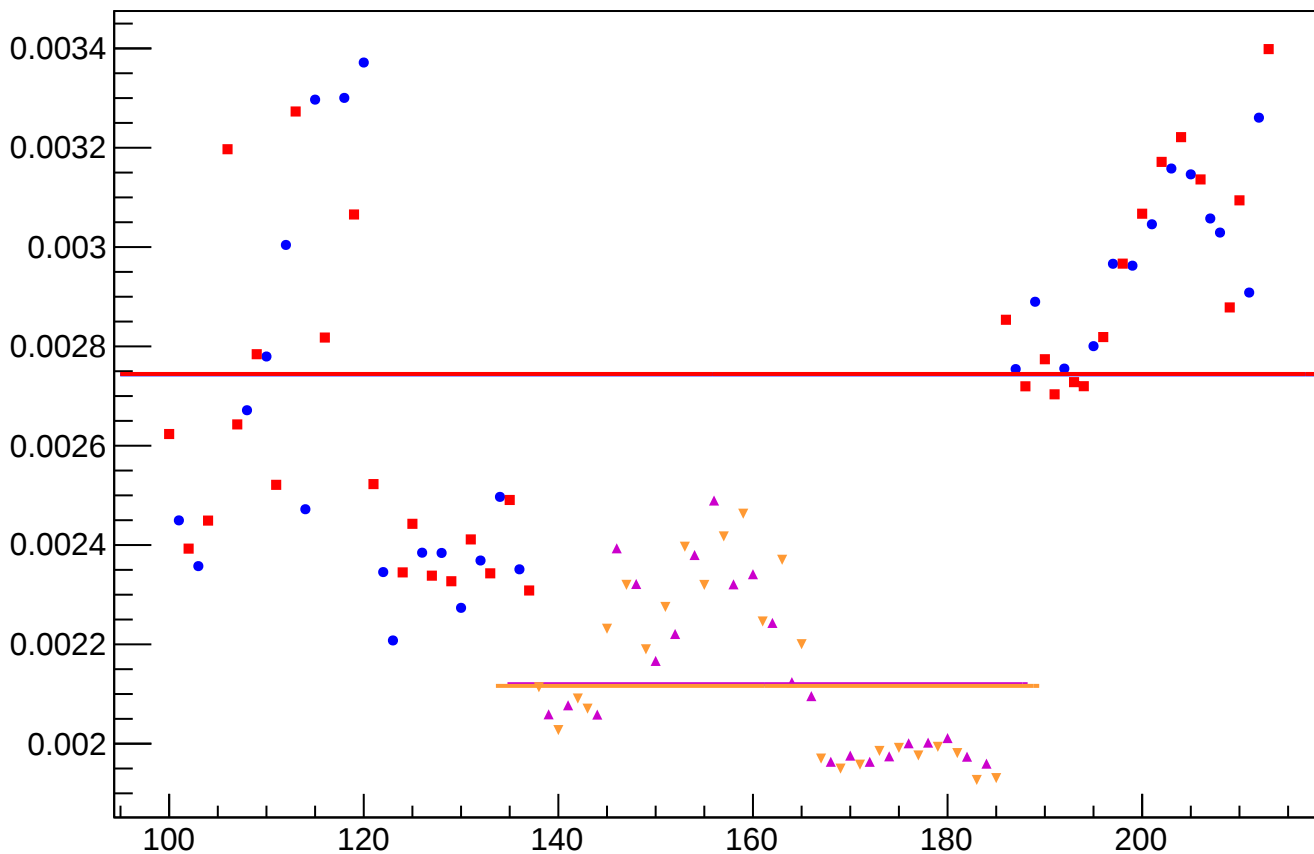
Right: 0.567 $\pm$ 0.000 χ^2 /NDF: 150278949116.4/63

In: 0.324 $\pm$ 0.000 χ^2 /NDF: 248598386833.0/52

Out: 0.333 $\pm$ 0.000 χ^2 /NDF: 280498404156.5/58

All: 0.329 $\pm$ 0.000 χ^2 /NDF: 529312987854.0

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 445085.7/29

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:224498.3/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 401802.6/33

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:189228.6/22

Left: 0.002 $\pm$ 0.000 χ^2 /NDF: 413772.2/47

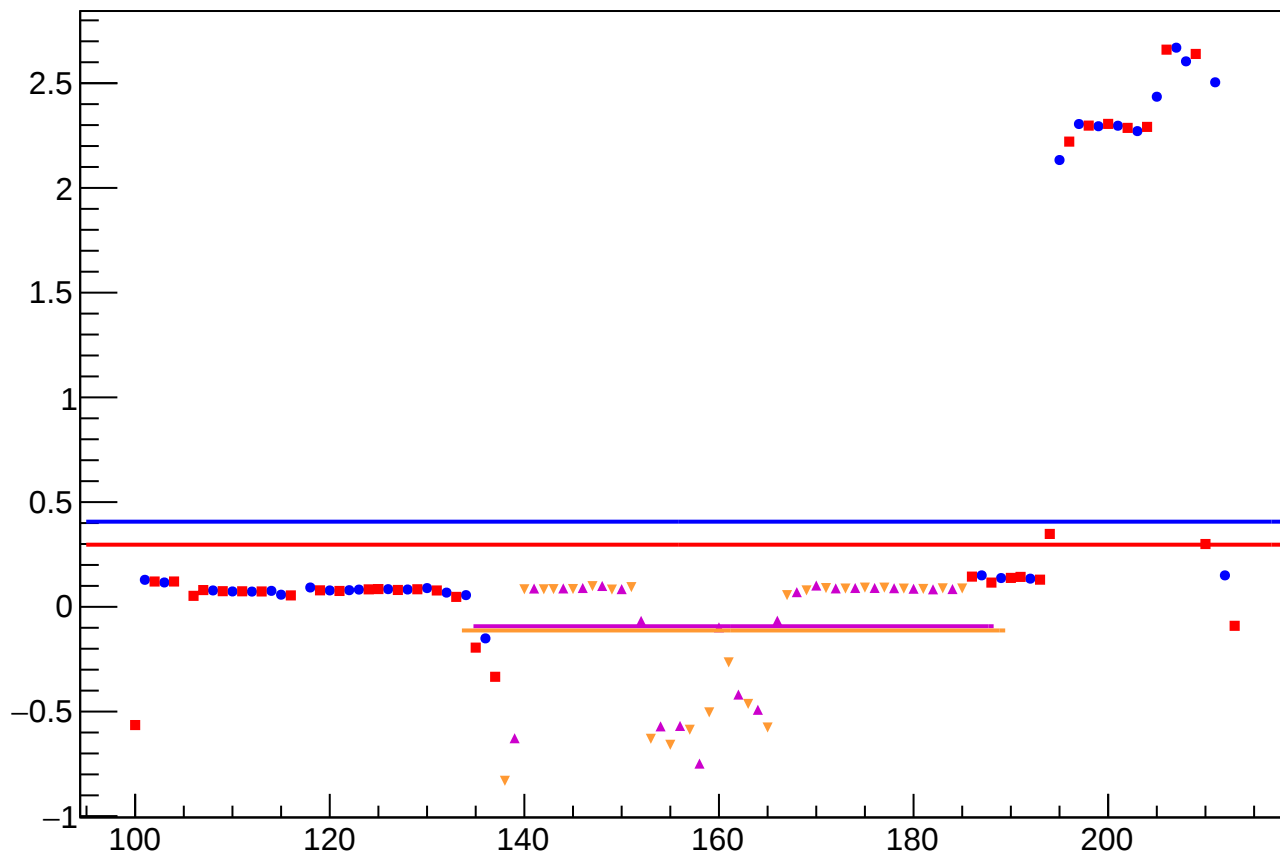
Right: 0.003 $\pm$ 0.000 χ^2 /NDF: 846889.7/63

In: 0.002 $\pm$ 0.000 χ^2 /NDF:1664733.1/52

Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1746712.3/58

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 3411445.6/111

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.407+/-0.000

χ^2/NDF : 61099689478.9/29

Left: -0.103+/-0.000

χ^2/NDF : 24747894543.0/47

Left Out: -0.113+/-0.000

χ^2/NDF : 13667354077.1/24

Right: 0.347+/-0.000

χ^2/NDF : 113870502005.9/63

Right Out: 0.297+/-0.000

χ^2/NDF : 52186722862.1/33

In: 0.103+/-0.000

χ^2/NDF : 85677140828.0/52

Out: 0.060+/-0.000

χ^2/NDF : 76105844002.7/58

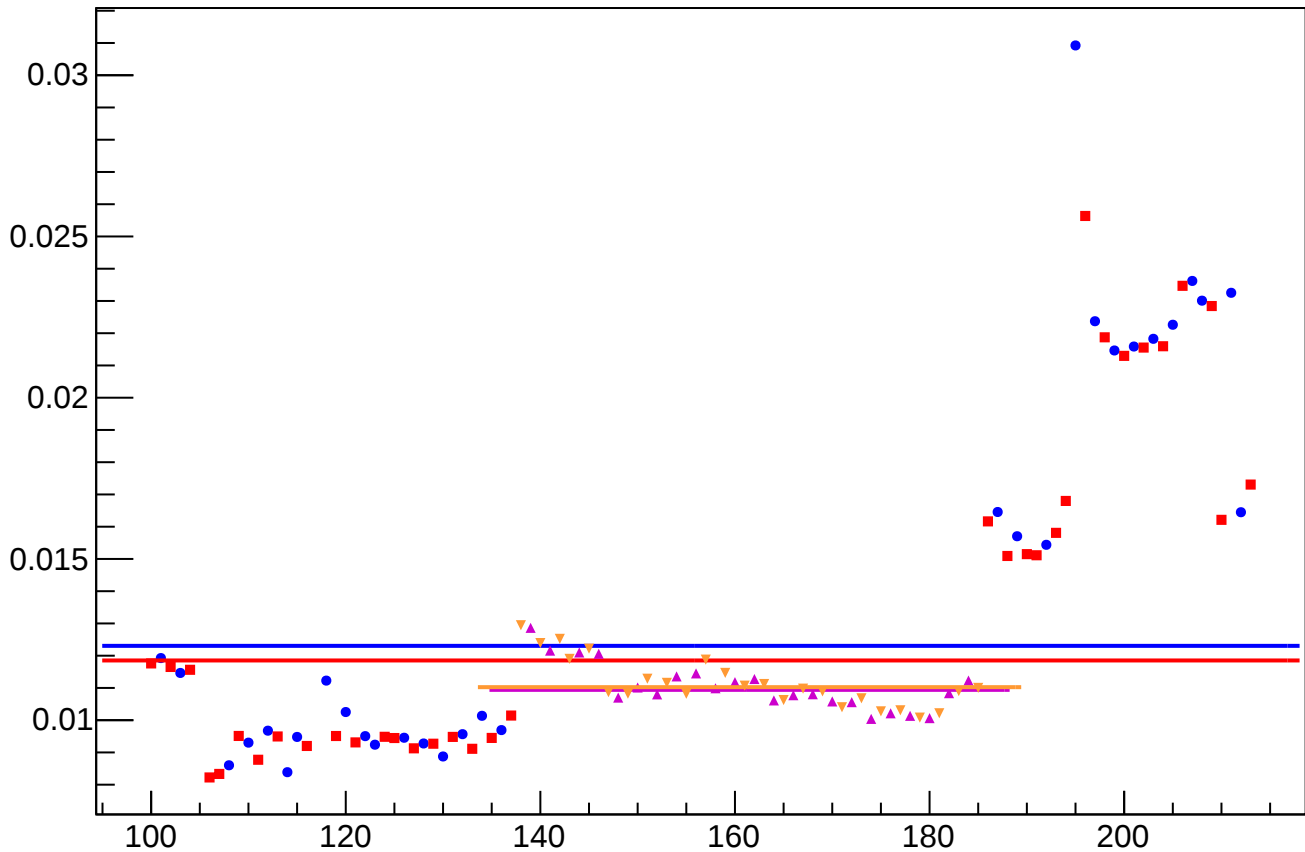
Left In: -0.093+/-0.000

χ^2/NDF : 11051944893.7/22

All: 0.080+/-0.000

χ^2/NDF : 161998713229.4

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 4288205.4/29

Left Out: 0.011+/-0.000 χ^2/NDF :141501.7/24

Right Out: 0.012+/-0.000 χ^2/NDF : 4047817.5/33

Left In: 0.011+/-0.000 χ^2/NDF :128914.2/22

Left: 0.011+/-0.000 χ^2/NDF : 271400.1/47

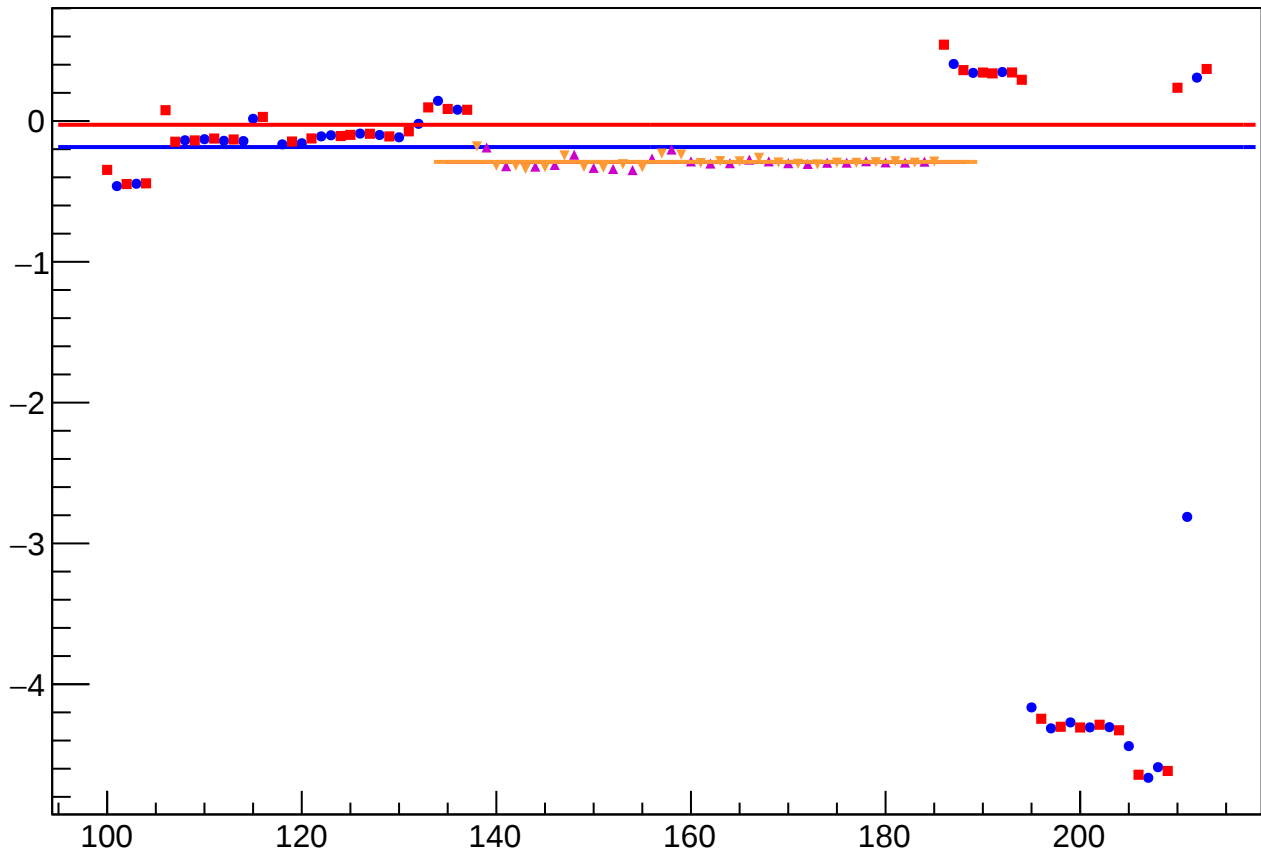
Right: 0.012+/-0.000 χ^2/NDF : 8355881.3/63

In: 0.011+/-0.000 χ^2/NDF :4619165.4/52

Out: 0.011+/-0.000 χ^2/NDF :4273175.7/58

All: 0.011+/-0.000 χ^2/NDF : 8894766.2/111

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.185 ± 0.000 $\chi^2/\text{NDF}: 367438273163.8/29$

Left Out: -0.290 ± 0.000 $\chi^2/\text{NDF}: 2877519093.0/24$

Right Out: -0.027 ± 0.000 $\chi^2/\text{NDF}: 343495947414.5/33$

Left In: -0.291 ± 0.000 $\chi^2/\text{NDF}: 3125402243.3/22$

Left: -0.291 ± 0.000 $\chi^2/\text{NDF}: 6003615293.4/47$

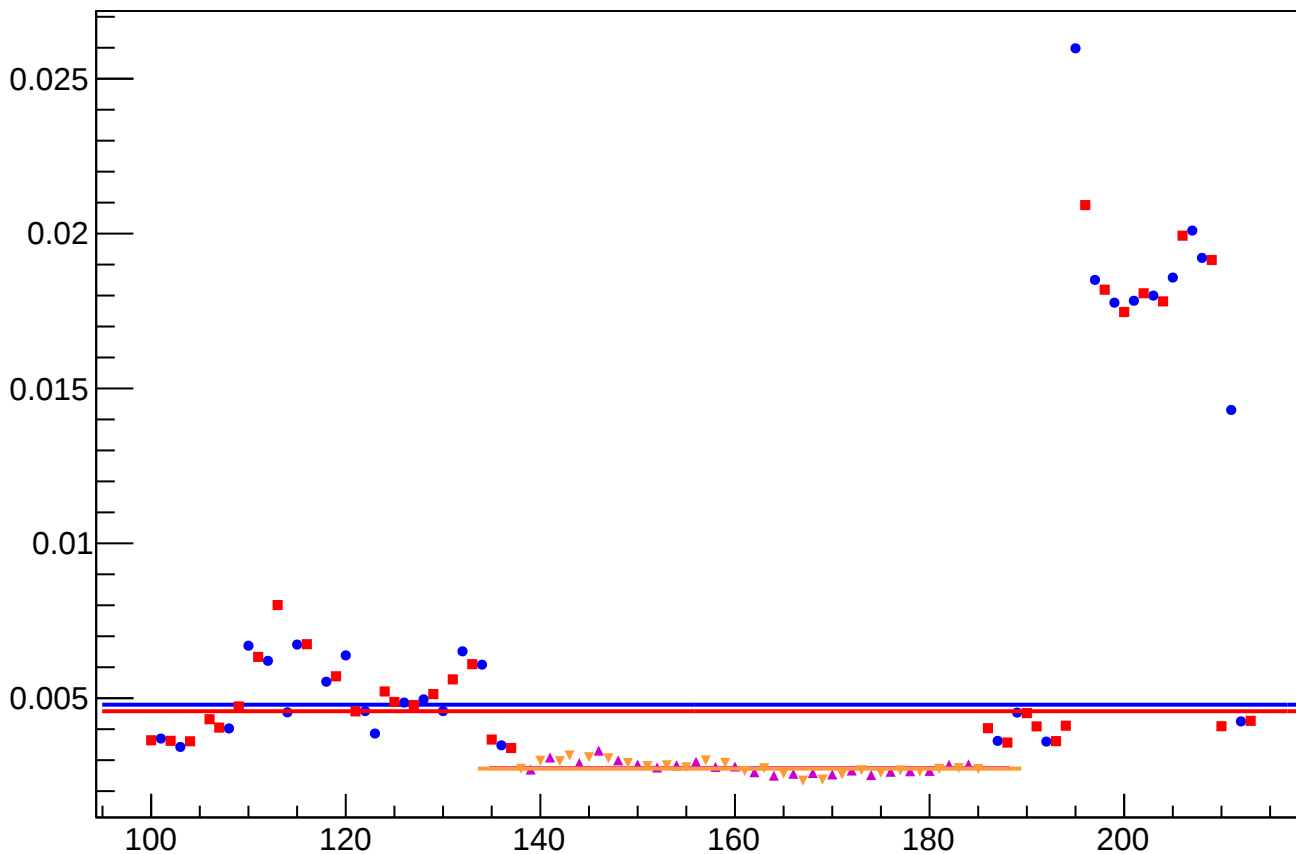
Right: -0.096 ± 0.000 $\chi^2/\text{NDF}: 717560251162.3/63$

In: -0.272 ± 0.000 $\chi^2/\text{NDF}: 374915185049.4/52$

Out: -0.236 ± 0.000 $\chi^2/\text{NDF}: 379864015049.3/58$

All: -0.253 ± 0.000 $\chi^2/\text{NDF}: 756596129993.9$

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 8513099.9/29

Left Out: 0.003+/-0.000 χ^2/NDF :206527.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 6963815.3/33

Left In: 0.003+/-0.000 χ^2/NDF :147778.8/22

Left: 0.003+/-0.000 χ^2/NDF : 354733.7/47

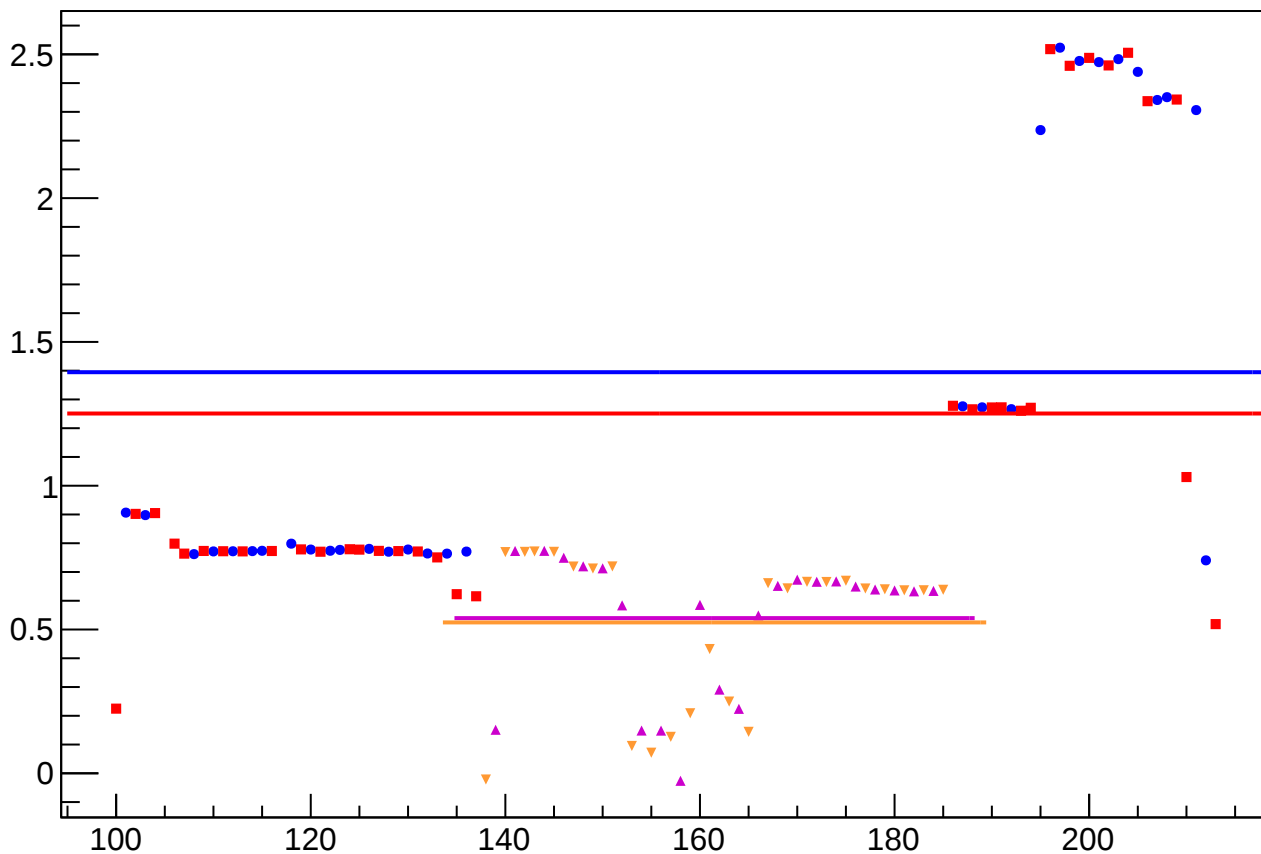
Right: 0.005+/-0.000 χ^2/NDF : 15500389.9/63

In: 0.003+/-0.000 χ^2/NDF :11907695.6/52

Out: 0.003+/-0.000 χ^2/NDF :10476325.1/58

All: 0.003+/-0.000 χ^2/NDF : 22384070.5/111

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.395 $\pm$ 0.000 χ^2/NDF : 57350464726.0/29

Left Out: 0.525 $\pm$ 0.000 χ^2/NDF : 9623503169.9/24

Right Out: 1.251 $\pm$ 0.000 χ^2/NDF : 54684177626.6/33

Left In: 0.540 $\pm$ 0.000 χ^2/NDF : 7860539135.5/22

Left: 0.532 $\pm$ 0.000 χ^2/NDF : 17500739852.2/47

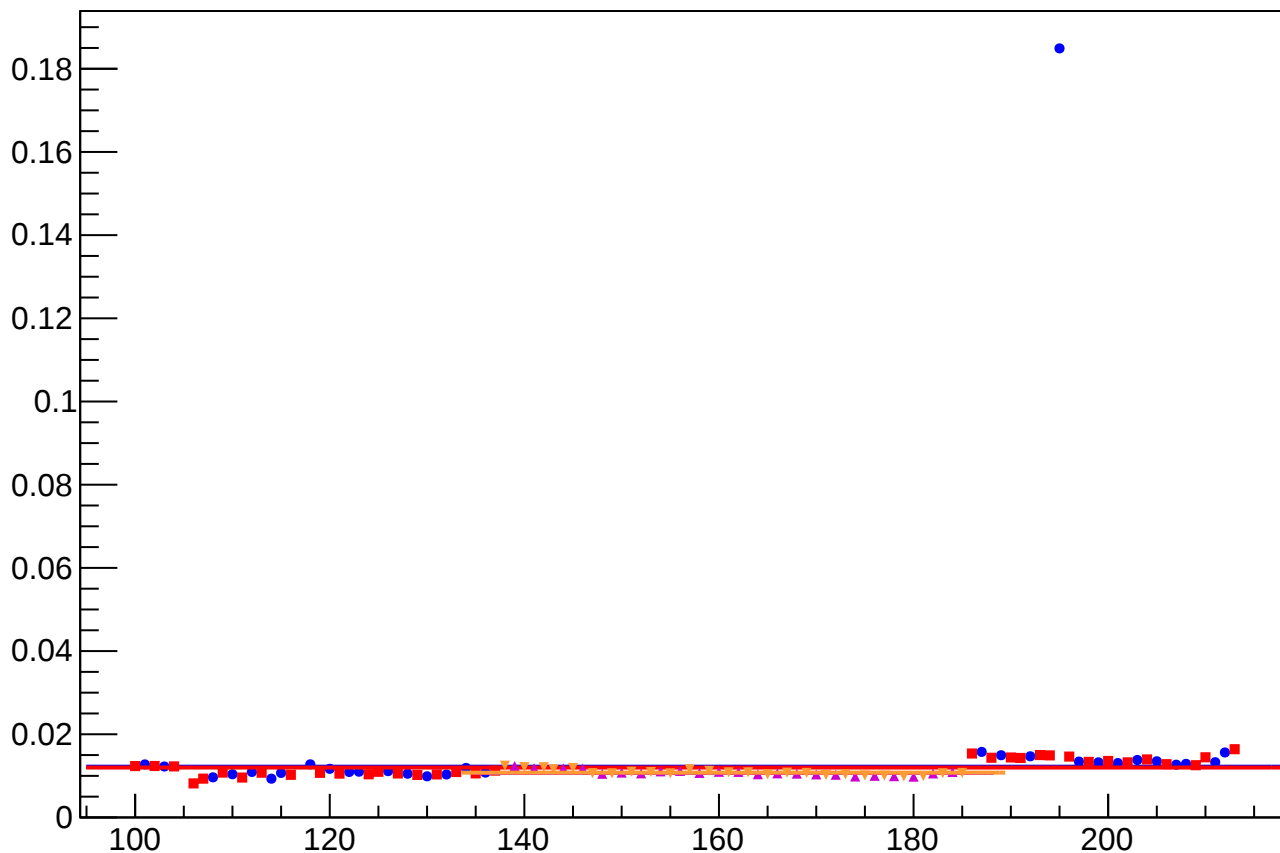
Right: 1.319 $\pm$ 0.000 χ^2/NDF : 113103055950.5/63

In: 0.882 $\pm$ 0.000 χ^2/NDF : 107974469649.6/52

Out: 0.829 $\pm$ 0.000 χ^2/NDF : 98079043289.0/58

All: 0.855 $\pm$ 0.000 χ^2/NDF : 206405299727.9

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF : 1979071.2/29

Left Out: 0.011+/-0.000 χ^2/NDF :131630.9/24

Right Out: 0.012+/-0.000 χ^2/NDF : 871438.4/33

Left In: 0.011+/-0.000 χ^2/NDF :119273.2/22

Left: 0.011+/-0.000 χ^2/NDF : 251802.6/47

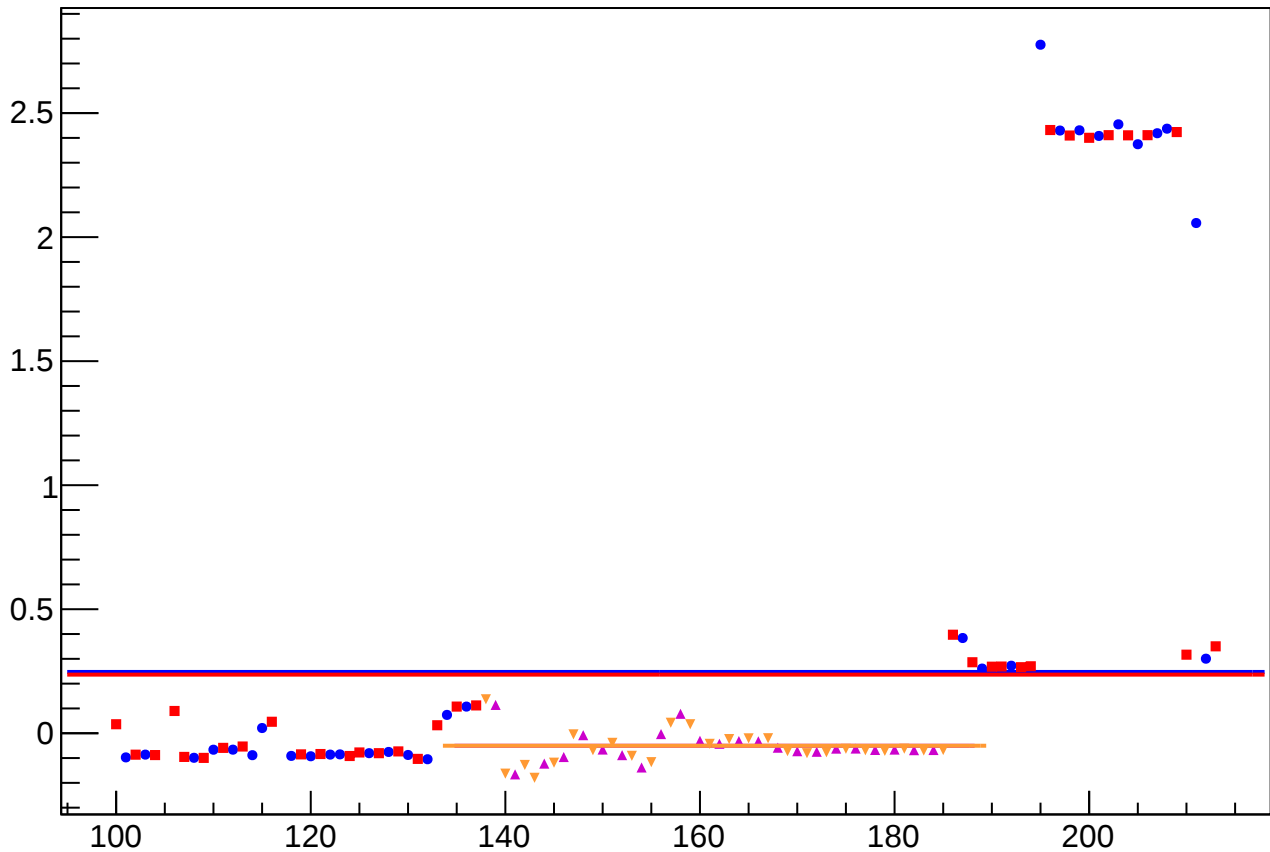
Right: 0.012+/-0.000 χ^2/NDF : 2854966.3/63

In: 0.011+/-0.000 χ^2/NDF :2366341.1/52

Out: 0.011+/-0.000 χ^2/NDF :1196282.4/58

All: 0.011+/-0.000 χ^2/NDF : 3562668.3/111

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.247 $\pm$ 0.000 χ^2 /NDF: 195457088989.9/29

Left Out: -0.050 $\pm$ 0.000 χ^2 /NDF: 7271496478.6/24

Right Out: 0.236 $\pm$ 0.000 χ^2 /NDF: 160224040452.2/33

Left In: -0.051 $\pm$ 0.000 χ^2 /NDF: 6128769990.8/22

Left: -0.050 $\pm$ 0.000 χ^2 /NDF: 13400329490.2/47

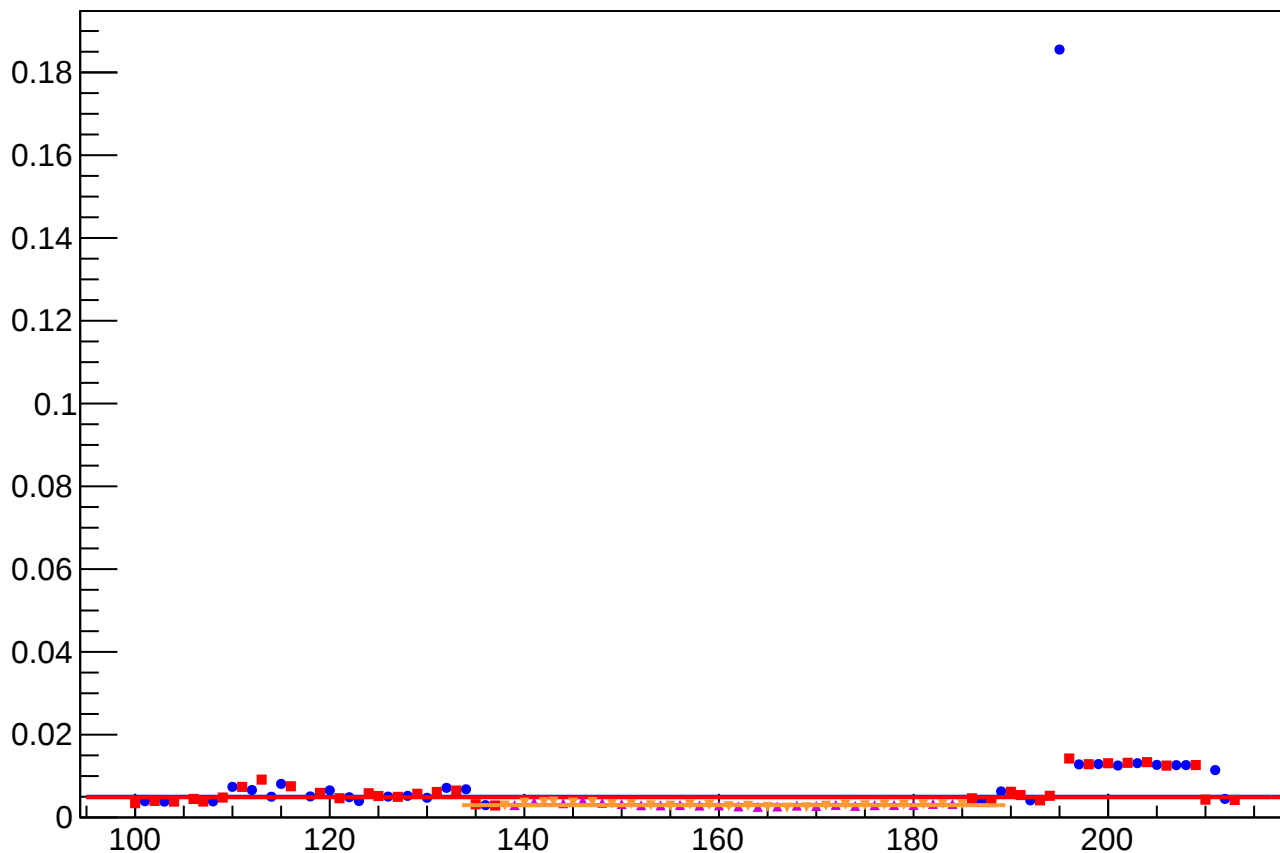
Right: 0.241 $\pm$ 0.000 χ^2 /NDF: 355709286498.6/63

In: 0.009 $\pm$ 0.000 χ^2 /NDF: 233186506328.7/52

Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 202258555780.7/58

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 435456483340.9

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 7298824.5/29

Left Out: 0.003+/-0.000 χ^2/NDF : 499039.1/24

Right Out: 0.005+/-0.000 χ^2/NDF : 5155616.6/33

Left In: 0.003+/-0.000 χ^2/NDF : 329068.1/22

Left: 0.003+/-0.000 χ^2/NDF : 831077.6/47

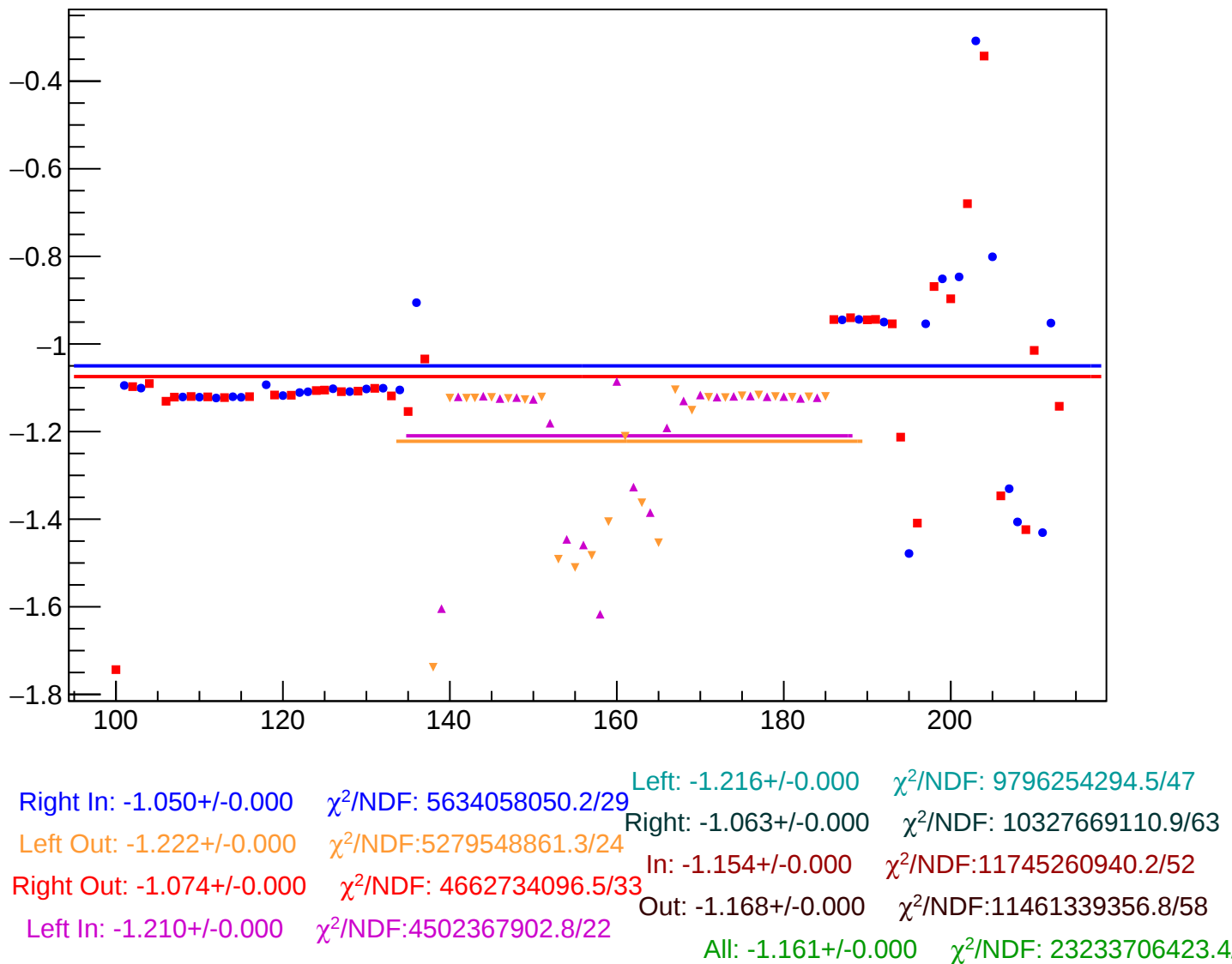
Right: 0.005+/-0.000 χ^2/NDF : 12462812.7/63

In: 0.003+/-0.000 χ^2/NDF : 10464747.8/52

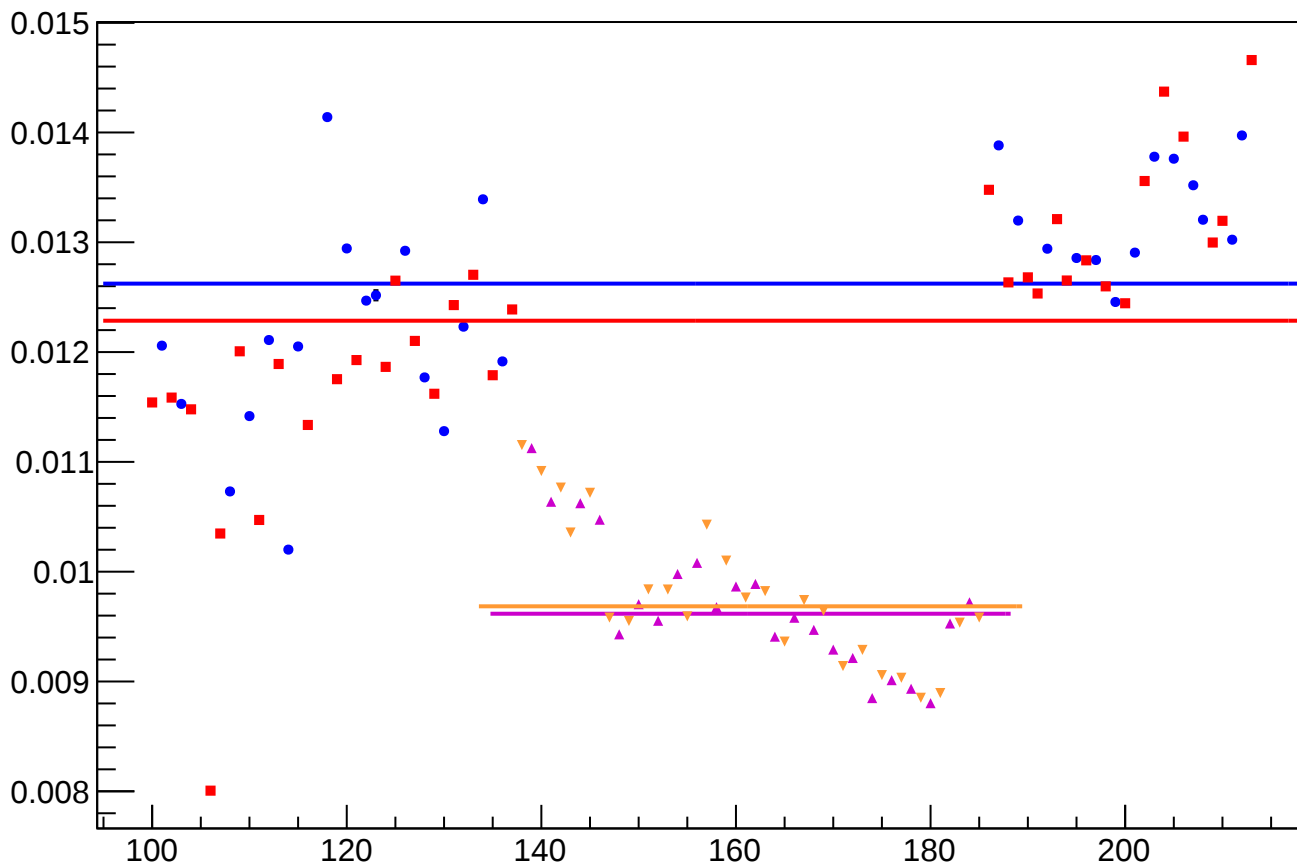
Out: 0.003+/-0.000 χ^2/NDF : 8719711.2/58

All: 0.003+/-0.000 χ^2/NDF : 19185878.3/111

yield_bpm0l10X_mean vs Slug, Sign Corrected



yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 148266.1/29

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:134863.6/24

Right Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 370696.5/33

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:119823.1/22

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 255532.7/47

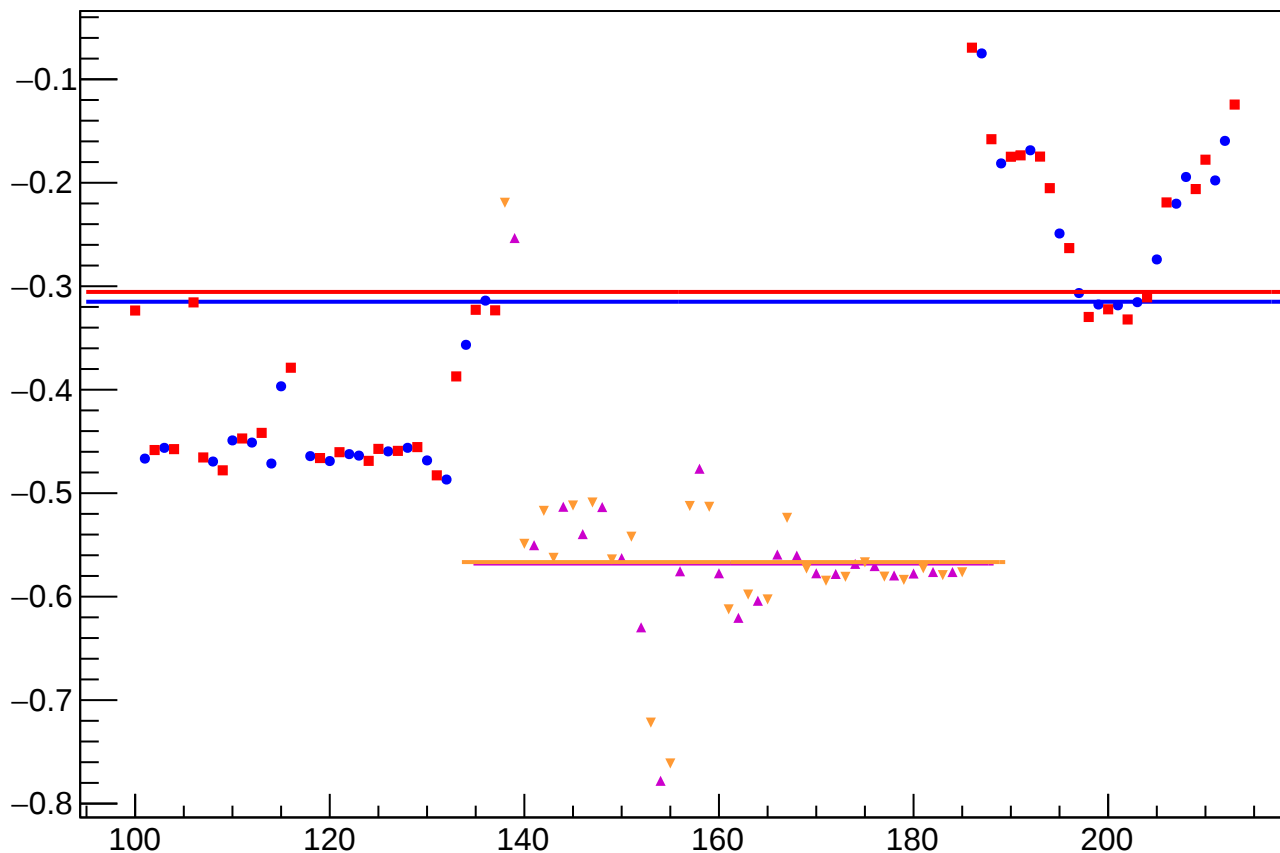
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 530720.4/63

In: 0.011 $\pm$ 0.000 χ^2 /NDF:1408584.0/52

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1448404.4/58

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 2857128.4/111

yield_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -0.315+/-0.000 χ^2/NDF : 11930811602.4/29

Left Out: -0.567+/-0.000 χ^2/NDF : 13368458519.3/24

Right Out: -0.305+/-0.000 χ^2/NDF : 14327710948.8/33

Left In: -0.568+/-0.000 χ^2/NDF : 10458990019.9/22

Left: -0.567+/-0.000 χ^2/NDF : 23829000396.4/47

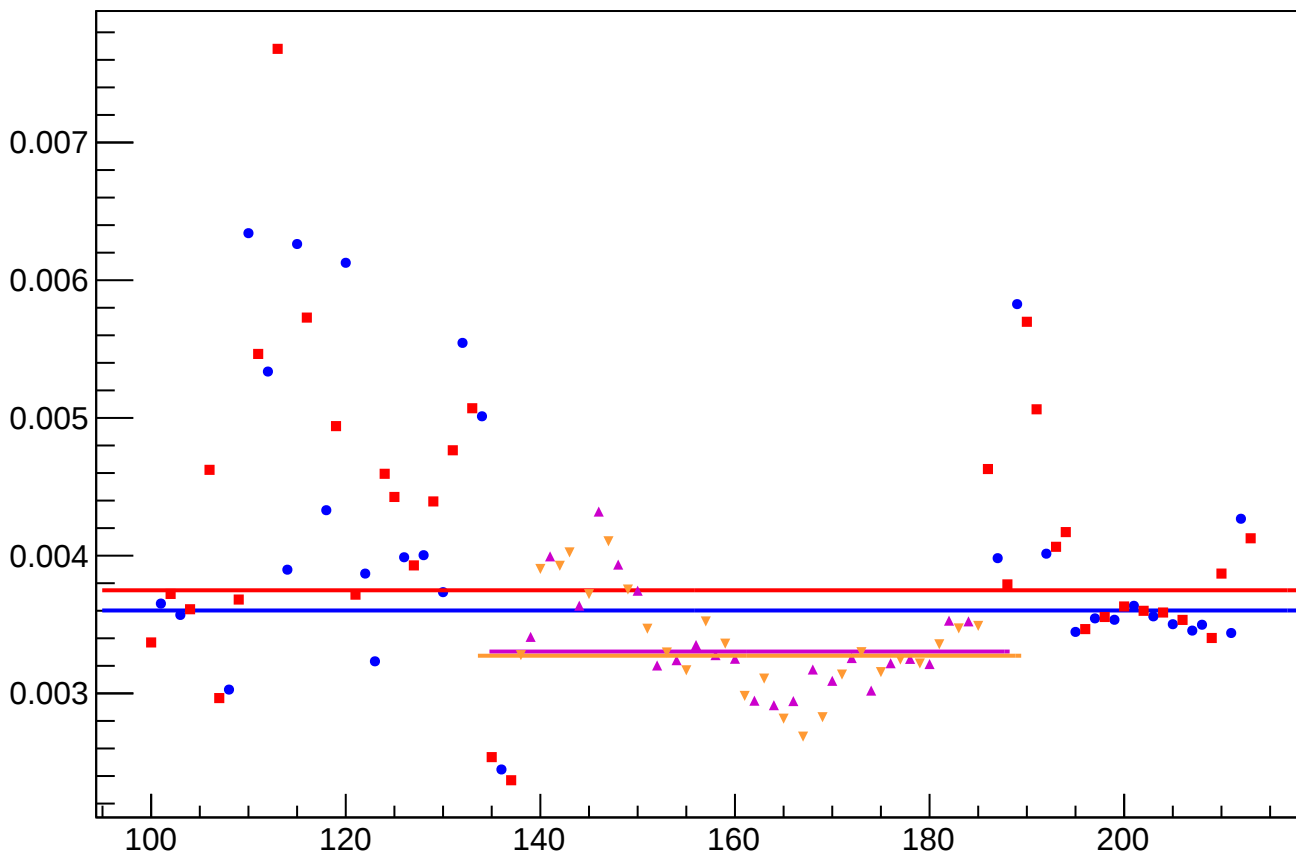
Right: -0.310+/-0.000 χ^2/NDF : 26308150475.2/63

In: -0.460+/-0.000 χ^2/NDF : 62798051705.9/52

Out: -0.460+/-0.000 χ^2/NDF : 72248201705.8/58

All: -0.460+/-0.000 χ^2/NDF : 135046257374.6

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF : 1036011.2/29

Left Out: 0.003+/-0.000 χ^2/NDF : 394865.4/24

Right Out: 0.004+/-0.000 χ^2/NDF : 1099126.3/33

Left In: 0.003+/-0.000 χ^2/NDF : 286064.1/22

Left: 0.003+/-0.000 χ^2/NDF : 682340.4/47

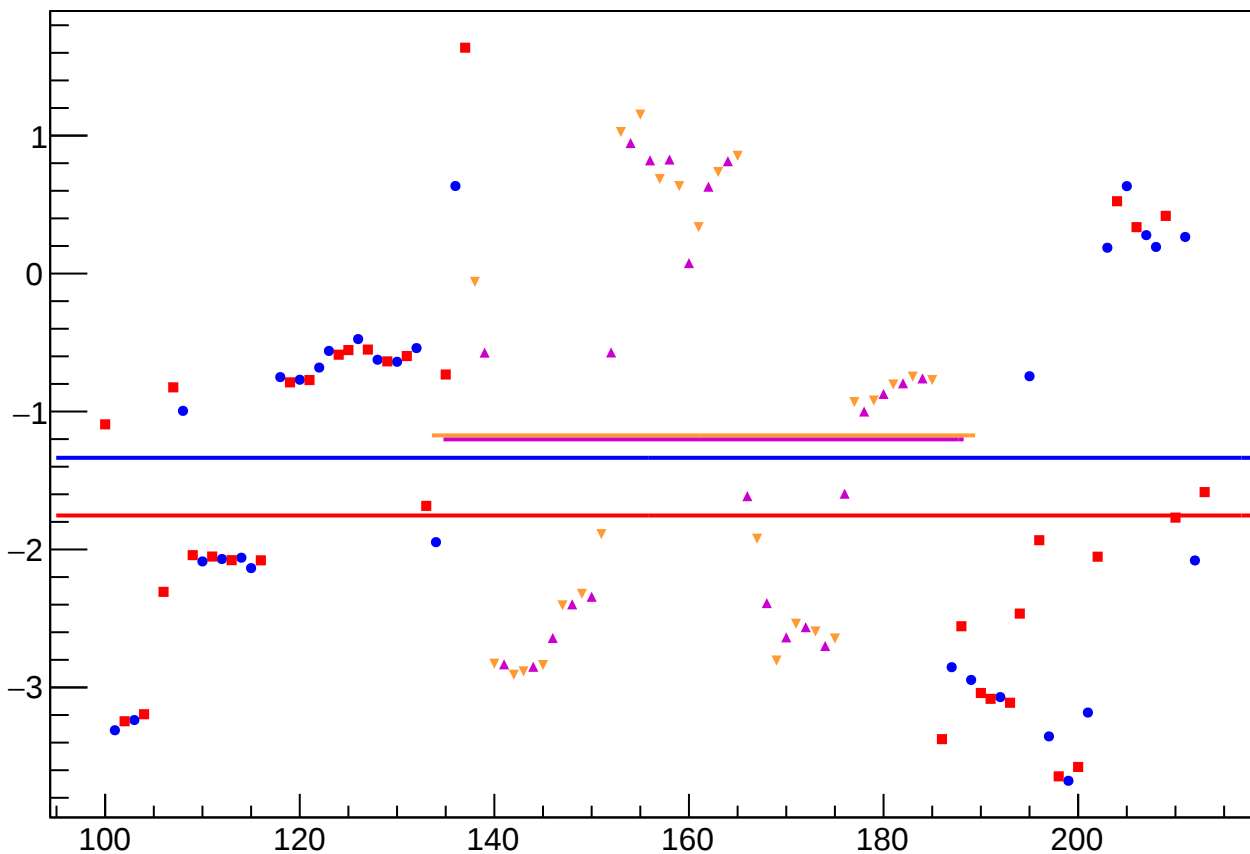
Right: 0.004+/-0.000 χ^2/NDF : 2158848.0/63

In: 0.003+/-0.000 χ^2/NDF : 1434331.6/52

Out: 0.003+/-0.000 χ^2/NDF : 1789070.4/58

All: 0.003+/-0.000 χ^2/NDF : 3226880.8/111

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.336+/-0.000 χ^2/NDF : 6156156096.1/29

Left Out: -1.173+/-0.000 χ^2/NDF : 6882684653.2/24

Right Out: -1.754+/-0.000 χ^2/NDF : 5219550970.3/33

Left In: -1.202+/-0.000 χ^2/NDF : 5606782515.9/22

Left: -1.187+/-0.000 χ^2/NDF : 12490828303.3/47

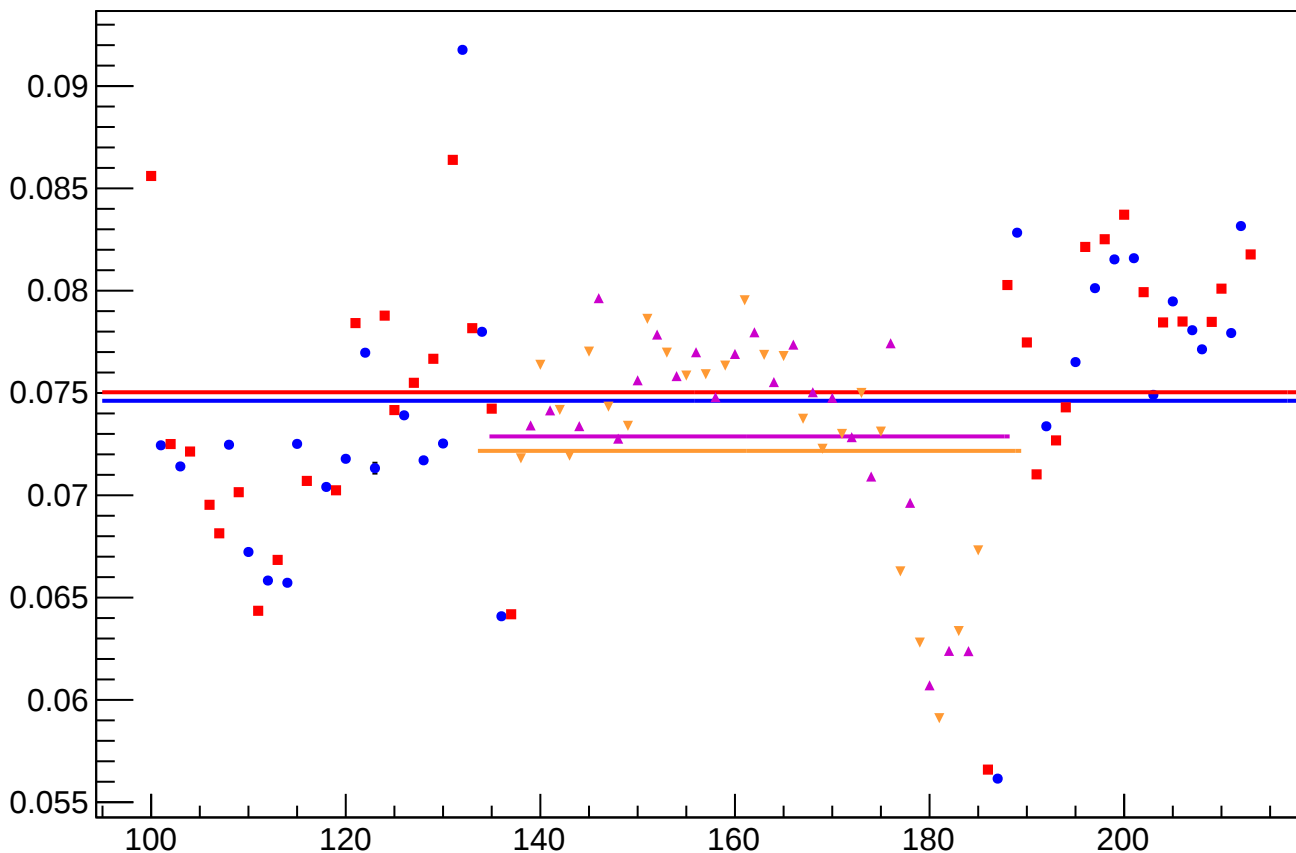
Right: -1.552+/-0.000 χ^2/NDF : 11629662489.4/63

In: -1.264+/-0.000 χ^2/NDF : 11789693281.5/52

Out: -1.443+/-0.000 χ^2/NDF : 12644985518.0/58

All: -1.357+/-0.000 χ^2/NDF : 24534424403.6/100

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.075+/-0.000 χ^2/NDF : 211625.7/29

Left Out: 0.072+/-0.000 χ^2/NDF :222263.8/24

Right Out: 0.075+/-0.000 χ^2/NDF : 251904.3/33

Left In: 0.073+/-0.000 χ^2/NDF :183503.0/22

Left: 0.073+/-0.000 χ^2/NDF : 407423.5/47

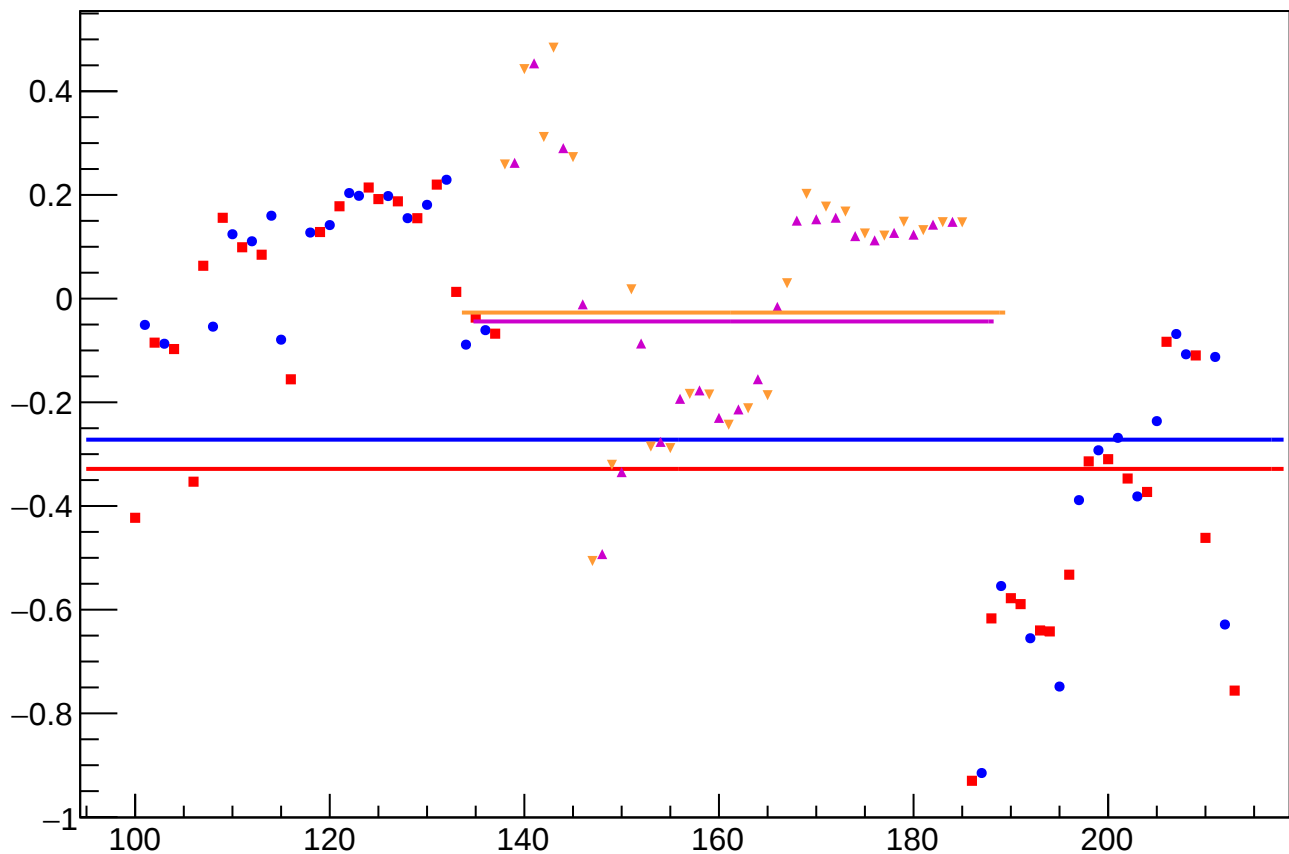
Right: 0.075+/-0.000 χ^2/NDF : 464036.1/63

In: 0.074+/-0.000 χ^2/NDF :404193.5/52

Out: 0.074+/-0.000 χ^2/NDF :500622.8/58

All: 0.074+/-0.000 χ^2/NDF : 905035.0/111

yield_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -0.272 ± 0.000 $\chi^2/\text{NDF}: 15081522920.1/29$

Left Out: -0.027 ± 0.000 $\chi^2/\text{NDF}: 20376761328.6/24$

Right Out: -0.328 ± 0.000 $\chi^2/\text{NDF}: 15502810422.9/33$

Left In: -0.044 ± 0.000 $\chi^2/\text{NDF}: 15718556282.1/22$

Left: -0.035 ± 0.000 $\chi^2/\text{NDF}: 36148383394.4/47$

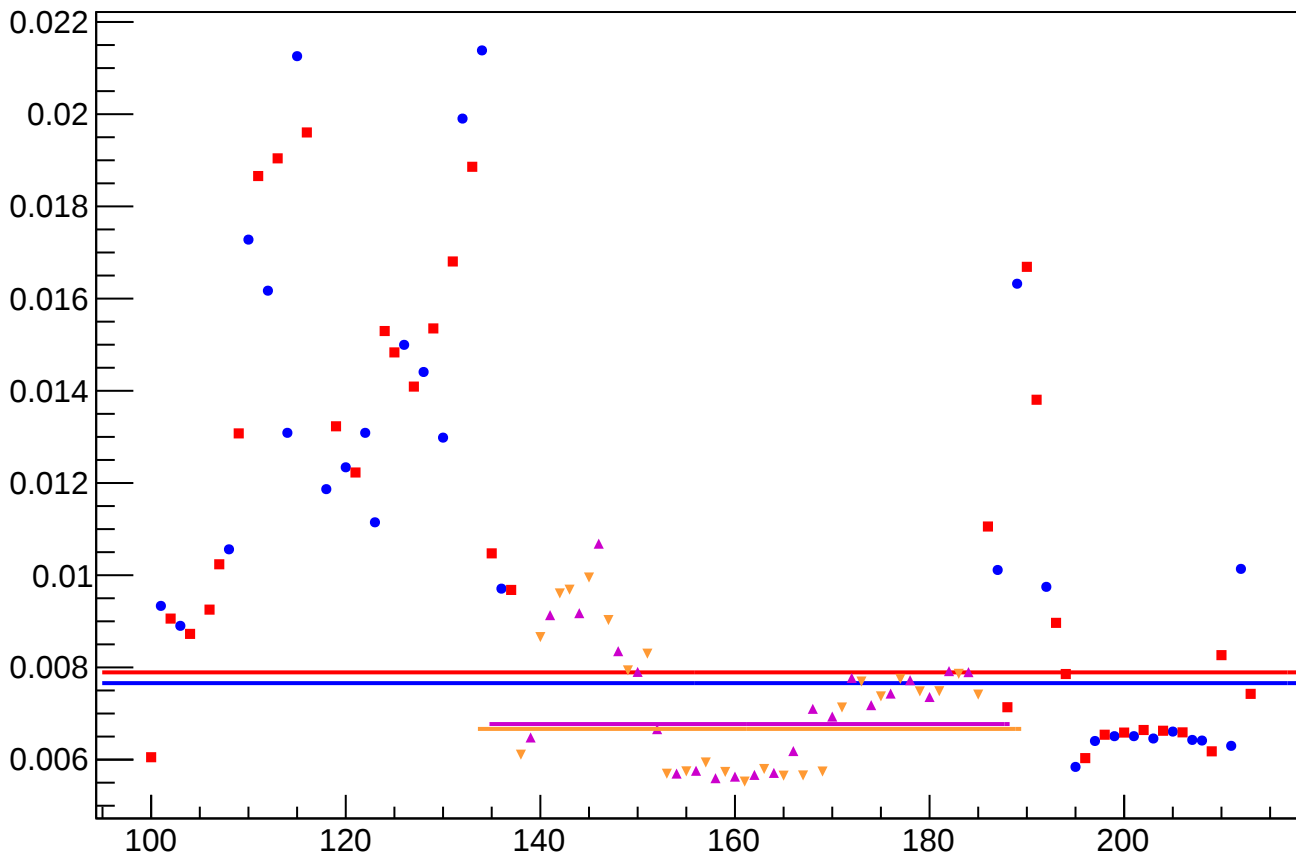
Right: -0.300 ± 0.000 $\chi^2/\text{NDF}: 30952091452.0/63$

In: -0.136 ± 0.000 $\chi^2/\text{NDF}: 38005643448.2/52$

Out: -0.141 ± 0.000 $\chi^2/\text{NDF}: 48911530646.2/58$

All: -0.139 ± 0.000 $\chi^2/\text{NDF}: 86926509643.7/100$

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 2937093.5/29

Left Out: 0.007+/-0.000 χ^2/NDF :1143768.6/24

Right Out: 0.008+/-0.000 χ^2/NDF : 3079831.8/33

Left In: 0.007+/-0.000 χ^2/NDF :934050.3/22

Left: 0.007+/-0.000 χ^2/NDF : 2081836.1/47

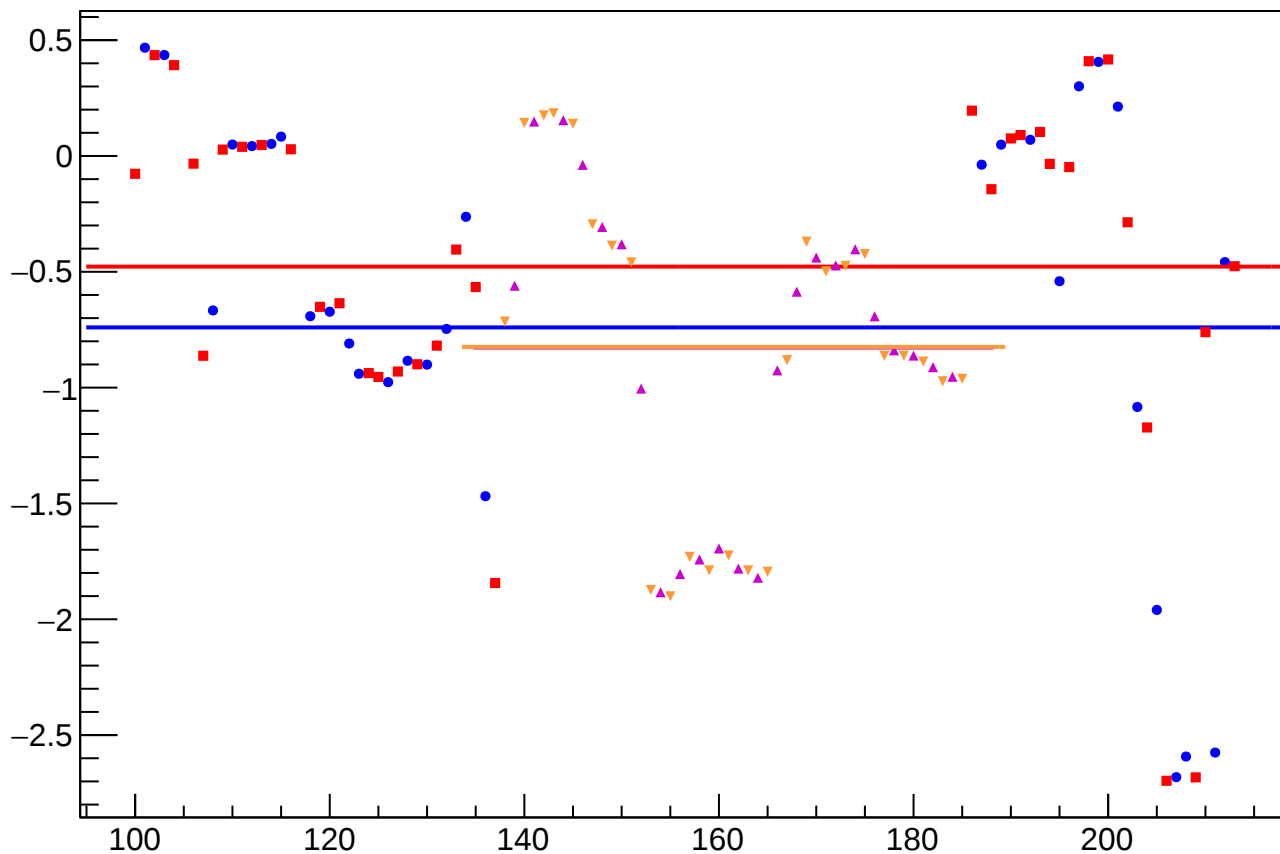
Right: 0.008+/-0.000 χ^2/NDF : 6029513.7/63

In: 0.007+/-0.000 χ^2/NDF :4089490.7/52

Out: 0.007+/-0.000 χ^2/NDF :4654656.9/58

All: 0.007+/-0.000 χ^2/NDF : 8744153.0/111

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.740+/-0.000 χ^2/NDF : 1757302734.7/29

Left Out: -0.824+/-0.000 χ^2/NDF : 1103610806.5/24

Right Out: -0.478+/-0.000 χ^2/NDF : 1474547095.8/33

Left In: -0.827+/-0.000 χ^2/NDF : 921651117.3/22

Left: -0.826+/-0.000 χ^2/NDF : 2025270716.0/47

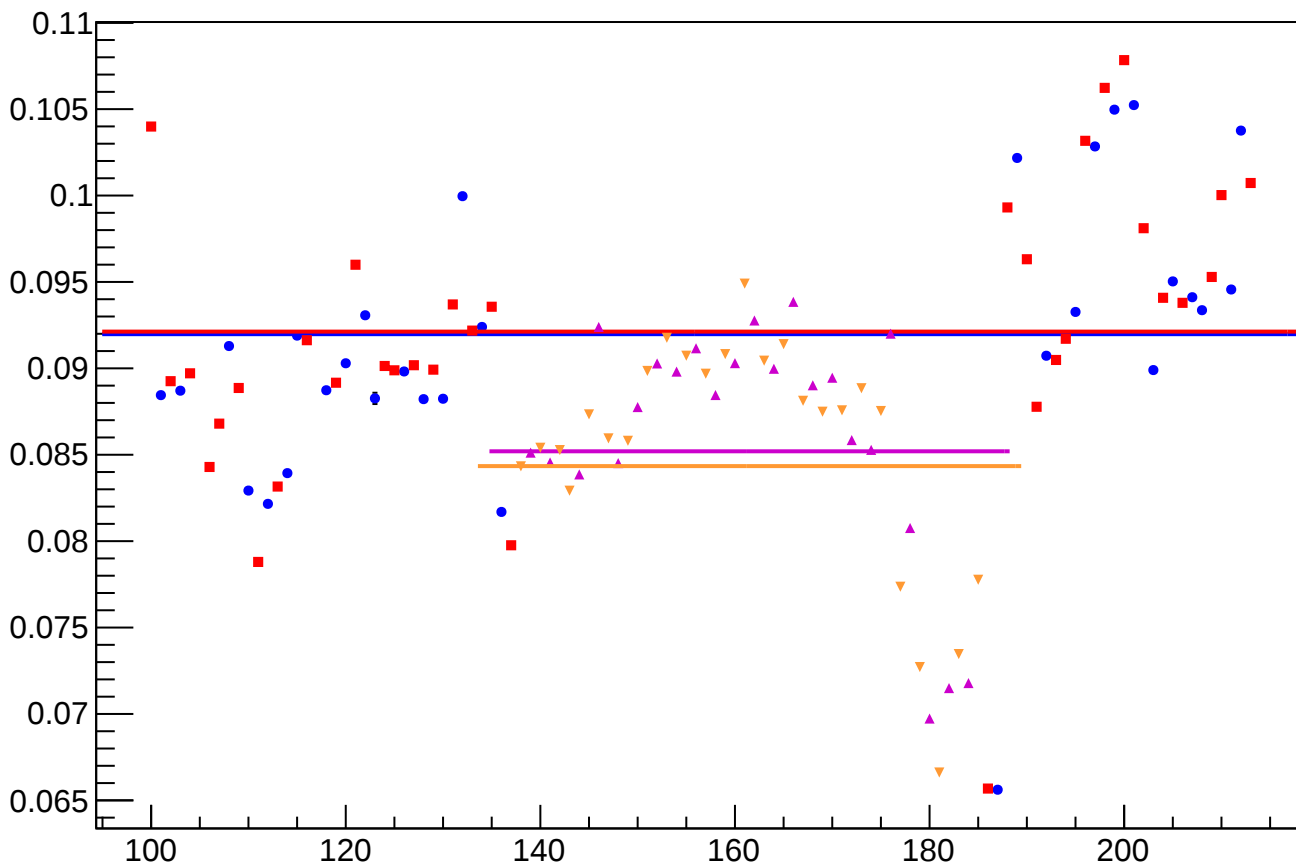
Right: -0.604+/-0.000 χ^2/NDF : 3298624497.5/63

In: -0.789+/-0.000 χ^2/NDF : 2686805849.2/52

Out: -0.671+/-0.000 χ^2/NDF : 2713554817.5/58

All: -0.728+/-0.000 χ^2/NDF : 5430534171.1/11

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.092 $\pm$ 0.000 χ^2 /NDF: 212979.6/29

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:288312.6/24

Right Out: 0.092 $\pm$ 0.000 χ^2 /NDF: 304878.8/33

Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:238313.9/22

Left: 0.085 $\pm$ 0.000 χ^2 /NDF: 528427.1/47

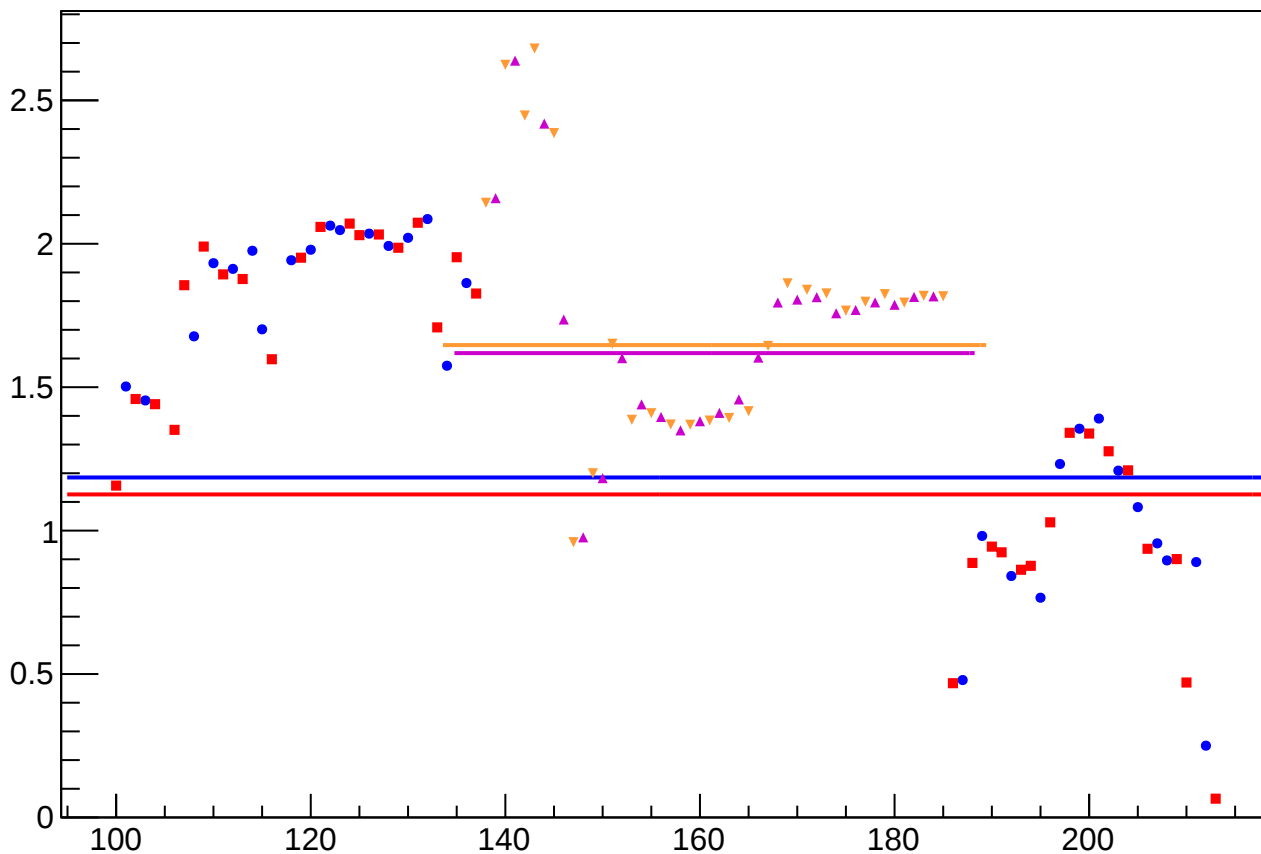
Right: 0.092 $\pm$ 0.000 χ^2 /NDF: 517901.2/63

In: 0.088 $\pm$ 0.000 χ^2 /NDF:546999.8/52

Out: 0.088 $\pm$ 0.000 χ^2 /NDF:729715.4/58

All: 0.088 $\pm$ 0.000 χ^2 /NDF: 1277480.3/111

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.185 $\pm$ 0.000 χ^2/NDF : 19997116867.3/29

Left Out: 1.647 $\pm$ 0.000 χ^2/NDF : 26535241545.7/24

Right Out: 1.126 $\pm$ 0.000 χ^2/NDF : 24135203484.0/33

Left In: 1.619 $\pm$ 0.000 χ^2/NDF : 20618198188.1/22

Left: 1.633 $\pm$ 0.000 χ^2/NDF : 47231460201.8/47

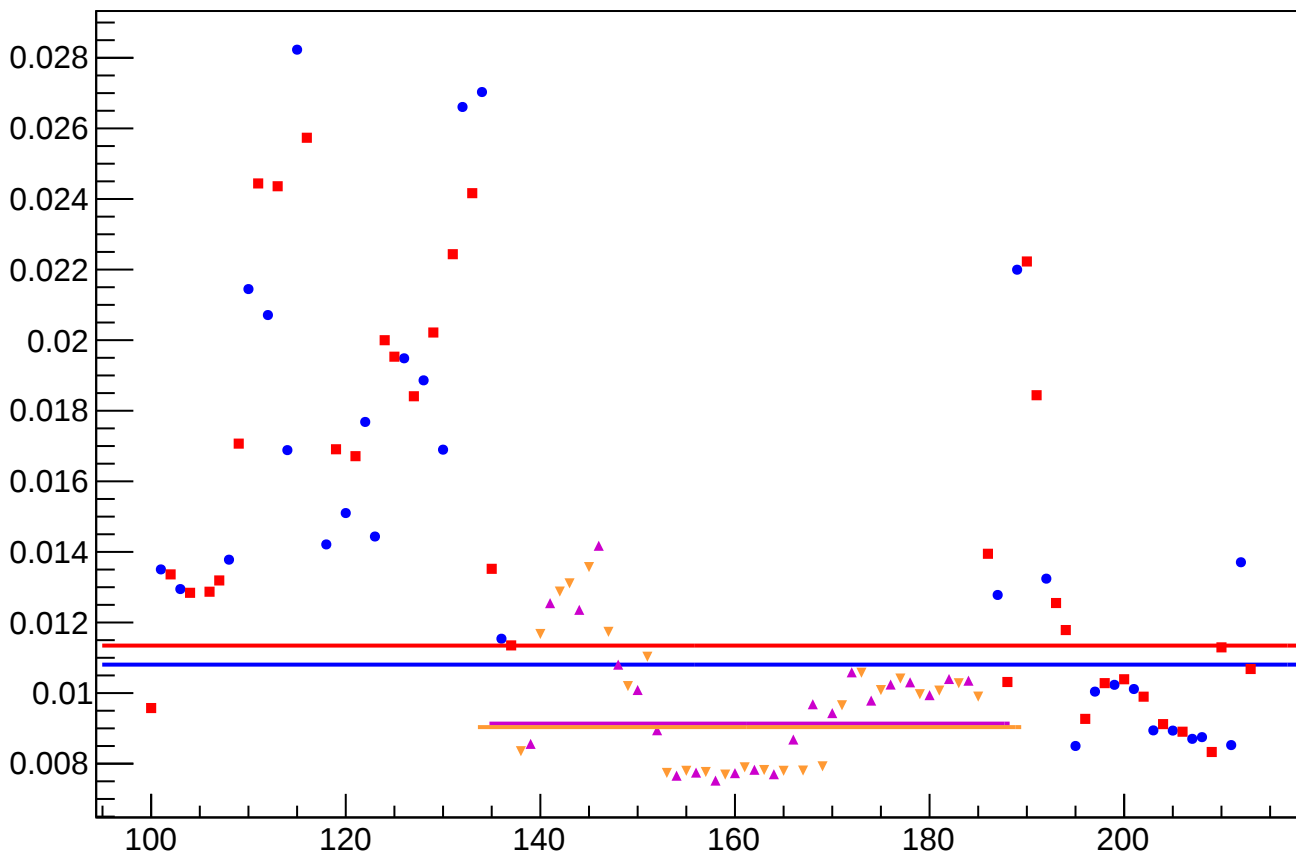
Right: 1.156 $\pm$ 0.000 χ^2/NDF : 44335398322.6/63

In: 1.453 $\pm$ 0.000 χ^2/NDF : 54376098342.9/52

Out: 1.462 $\pm$ 0.000 χ^2/NDF : 70668204405.3/58

All: 1.458 $\pm$ 0.000 χ^2/NDF : 125057635776.3

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF : 2412773.1/29

Left Out: 0.009+/-0.000 χ^2/NDF :1042871.8/24

Right Out: 0.011+/-0.000 χ^2/NDF : 2529999.9/33

Left In: 0.009+/-0.000 χ^2/NDF :878356.2/22

Left: 0.009+/-0.000 χ^2/NDF : 1923188.0/47

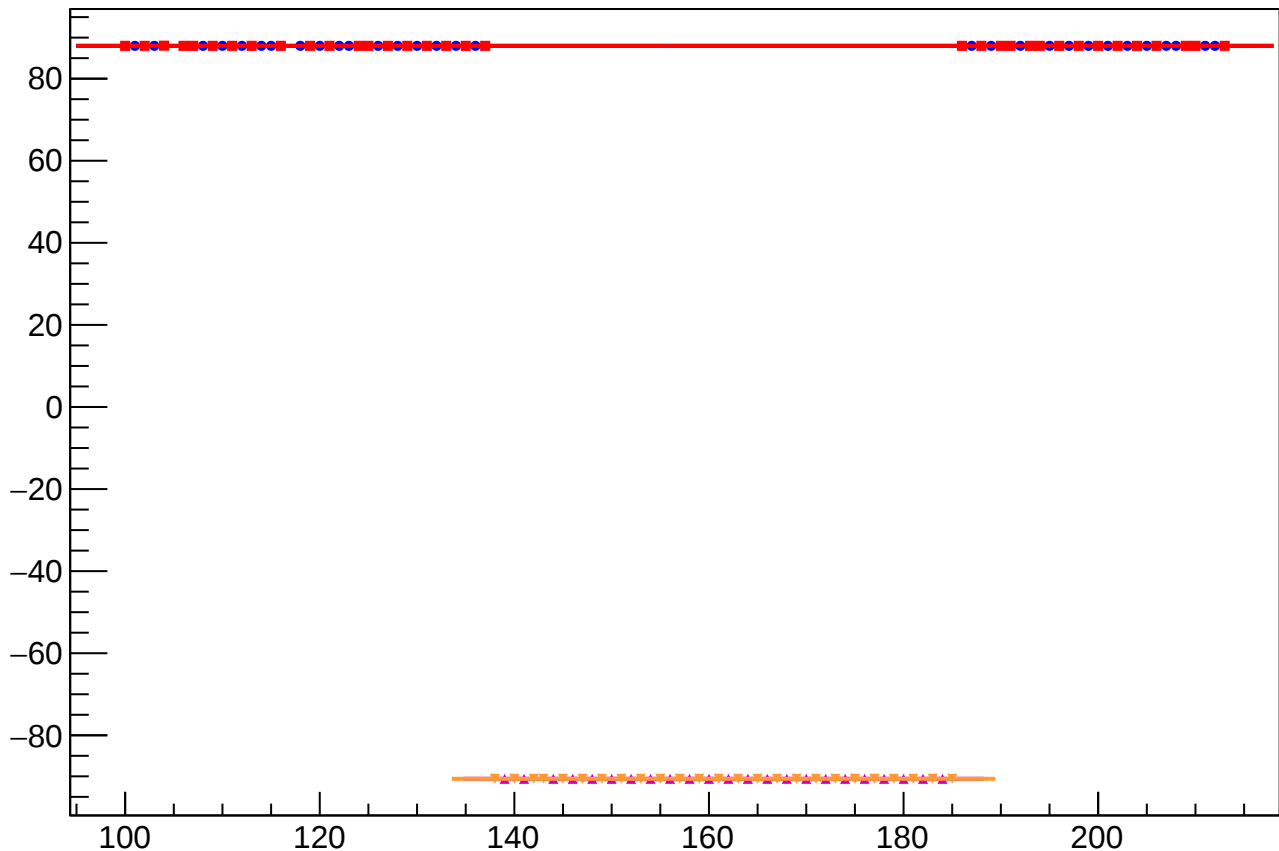
Right: 0.011+/-0.000 χ^2/NDF : 4976648.7/63

In: 0.010+/-0.000 χ^2/NDF :3700210.6/52

Out: 0.010+/-0.000 χ^2/NDF :4360452.0/58

All: 0.010+/-0.000 χ^2/NDF : 8062722.3/111

epics_VWienAngles_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF : 3182100.8/29

Left Out: -90.599+/-0.000 χ^2/NDF : 5785821.4/24

Right Out: 88.002+/-0.000 χ^2/NDF : 81039712137946389306203439104.0/33

Left In: -90.599+/-0.000 χ^2/NDF : 7134230.8/22

Left: -90.599+/-0.000 χ^2/NDF : 11903242.1/47

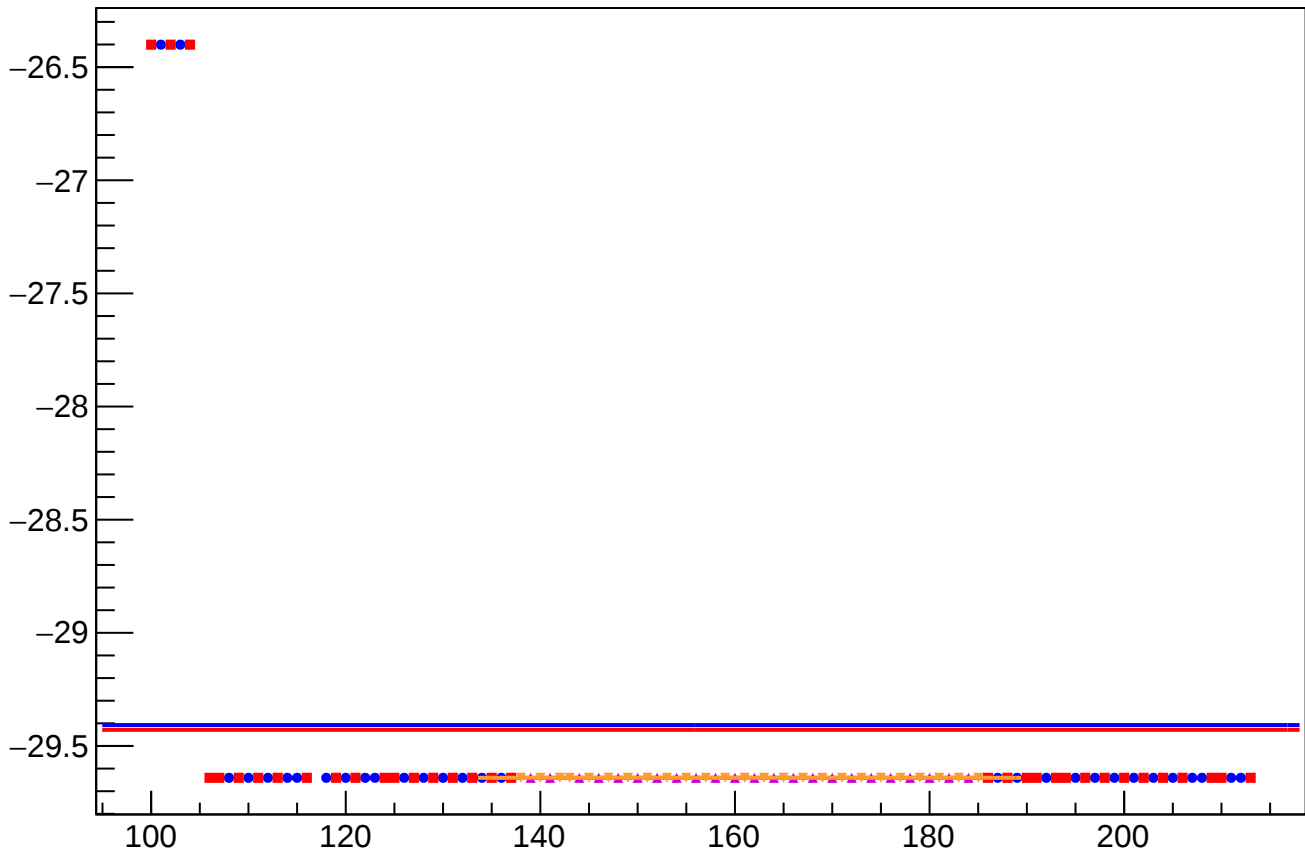
Right: 88.001+/-0.000 χ^2/NDF : 8219301263299870

In: -5.354+/-0.000 χ^2/NDF : 273438670845168639

Out: -4.504+/-0.000 χ^2/NDF : 29292777945303802

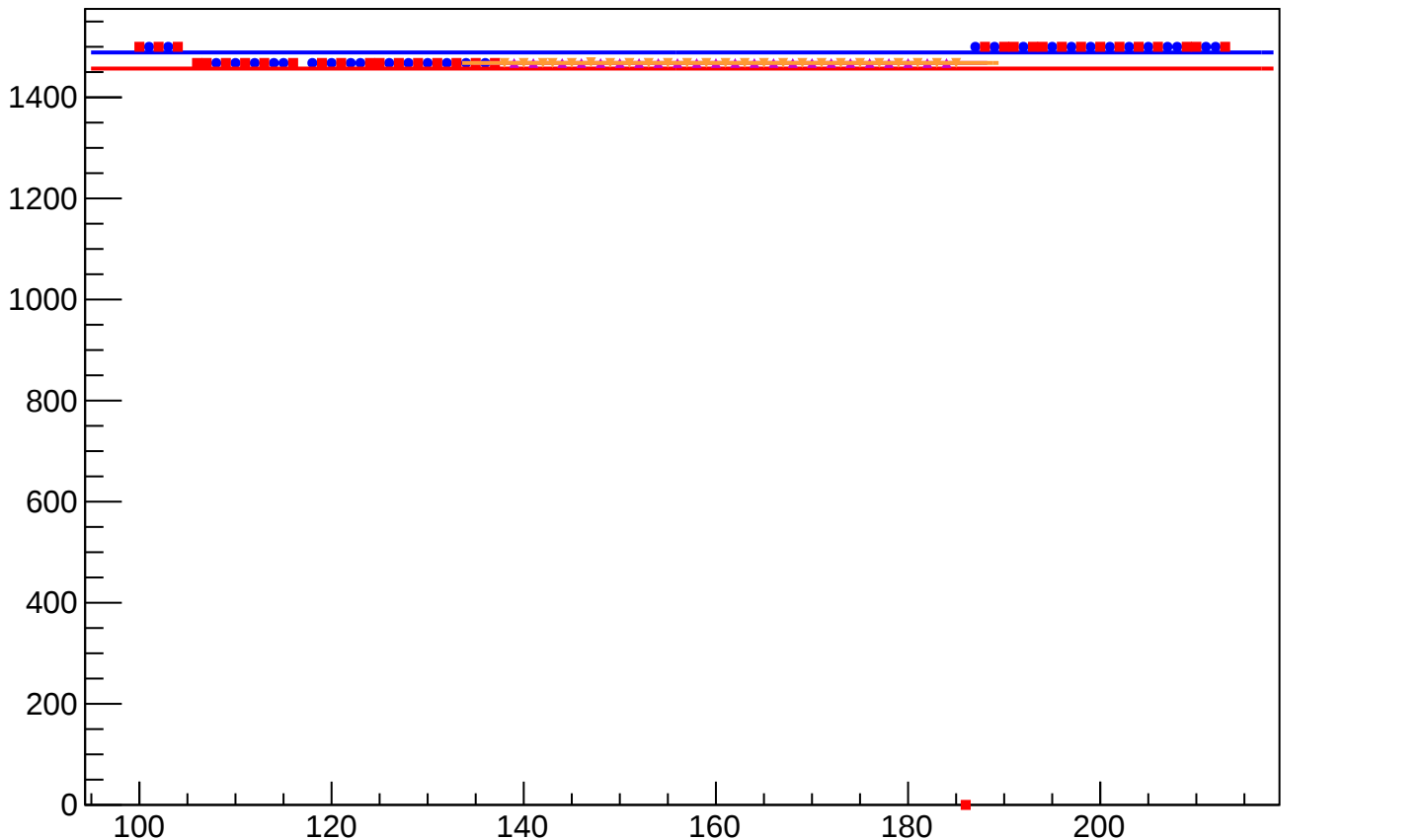
All: -4.914+/-0.000 χ^2/NDF : 5663792860710

epics_HWienAngles_mean vs Slug, Sign Corrected



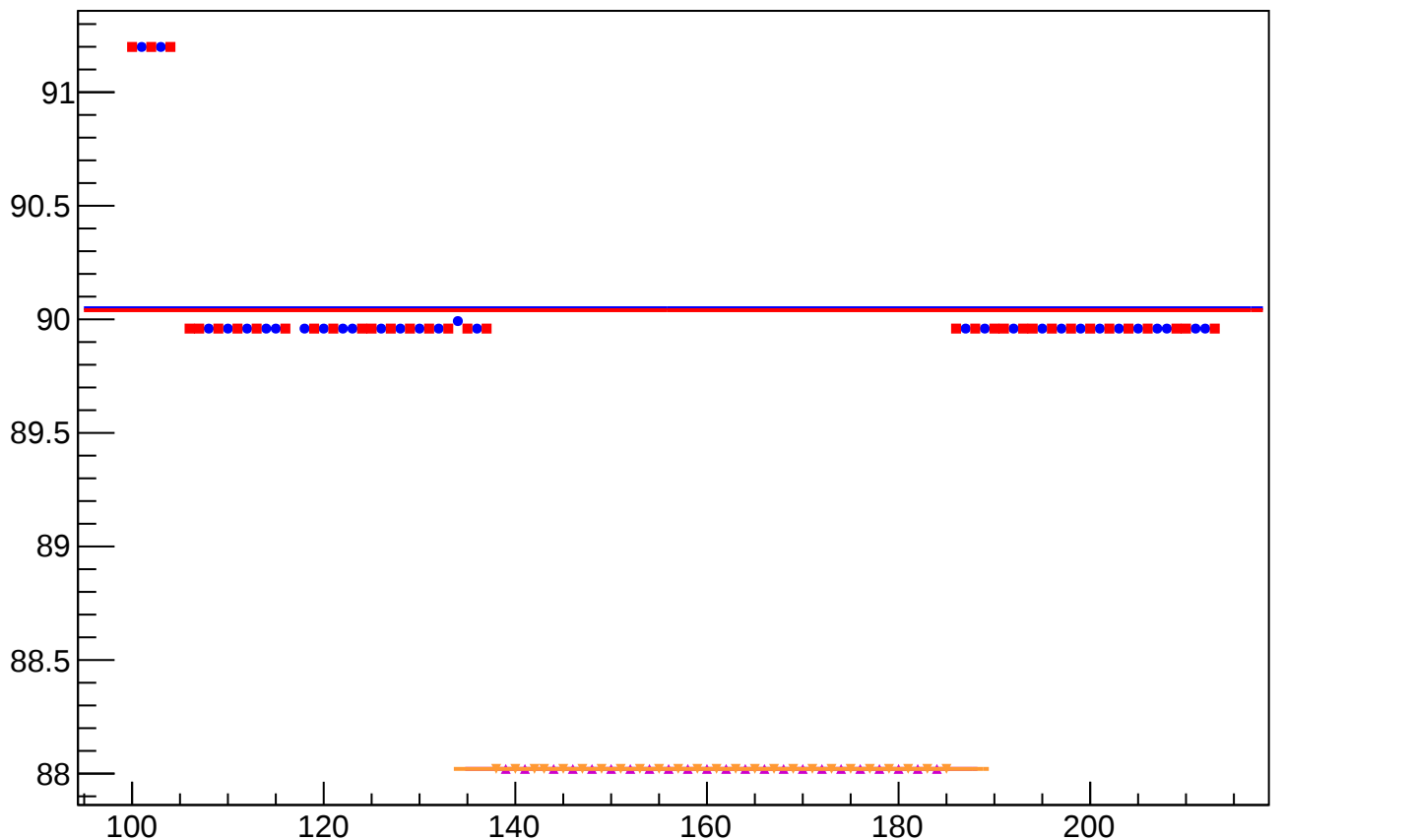
Right In: -29.408+/-0.000 χ^2/NDF : 1149589615609748382410124782731264.0/29
 Left Out: -29.641+/-0.000 χ^2/NDF : 530354.3/24
 Right Out: -29.429+/-0.000 χ^2/NDF : 1138051151269020880481693009444864.0/33
 Left In: -29.641+/-0.000 χ^2/NDF : 382603.8/22
 In: -29.529+/-0.000 χ^2/NDF : 11961764675203561
 Out: -29.539+/-0.000 χ^2/NDF : 1179316024796057
 All: -29.534+/-0.000 χ^2/NDF : 237563904863

epics_psub_pl_pos_mean vs Slug, Sign Corrected



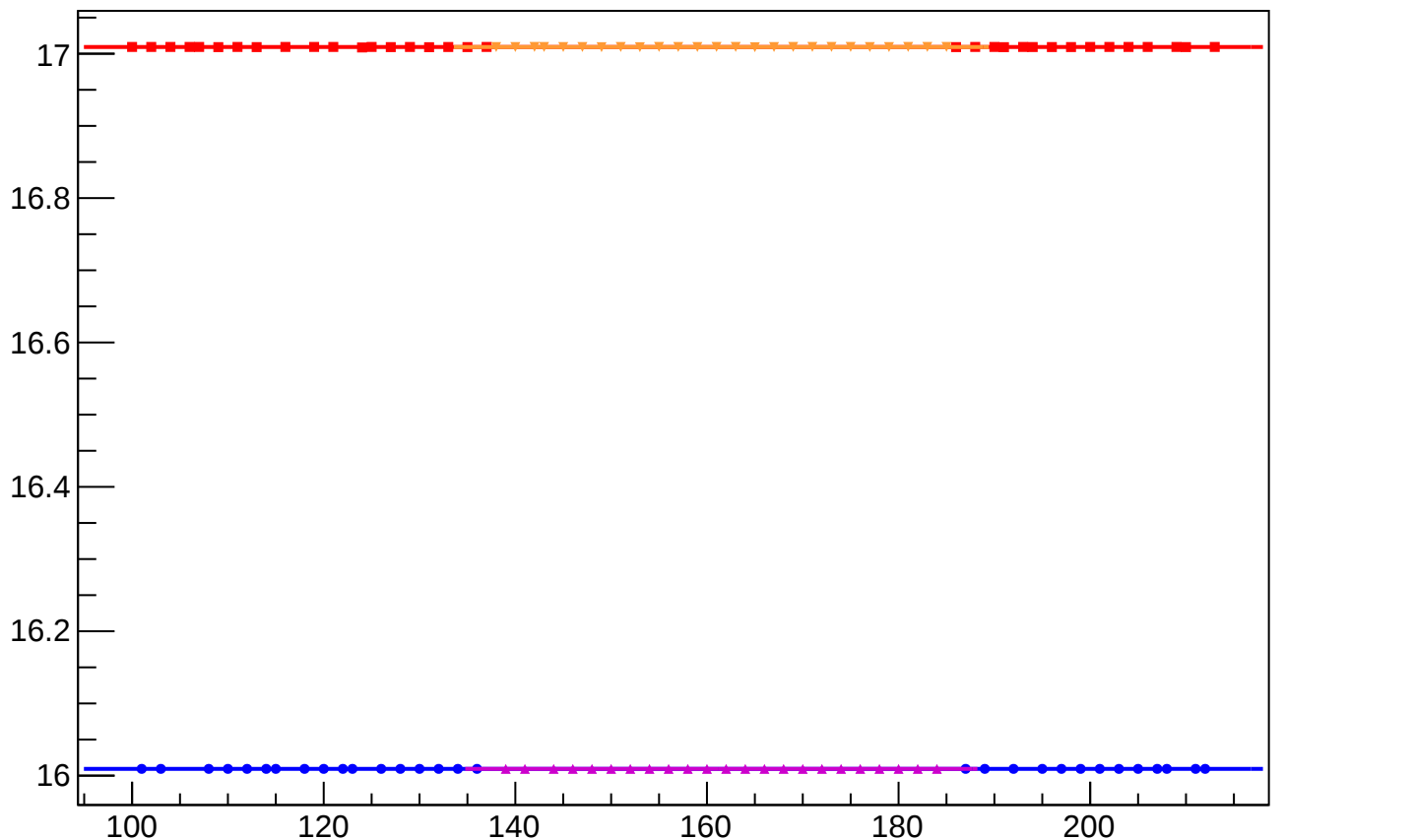
Right In: 1488.813 $\pm$ 0.000 χ^2/NDF : 382269186893802362516052301129449472.0/29
 Left Out: 1468.048 $\pm$ 0.000 χ^2/NDF : 127949199501977668488138456039424.0/24
 Right Out: 1456.943 $\pm$ 0.000 χ^2/NDF : 82831314757245295880748752022951428096.0/33
 Left In: 1467.994 $\pm$ 0.000 χ^2/NDF : 144497772795444989723550941184.0/22
 All: 1470.054 $\pm$ 0.000 χ^2/NDF : 84110878853

epics_Phi_FGs_mean vs Slug, Sign Corrected



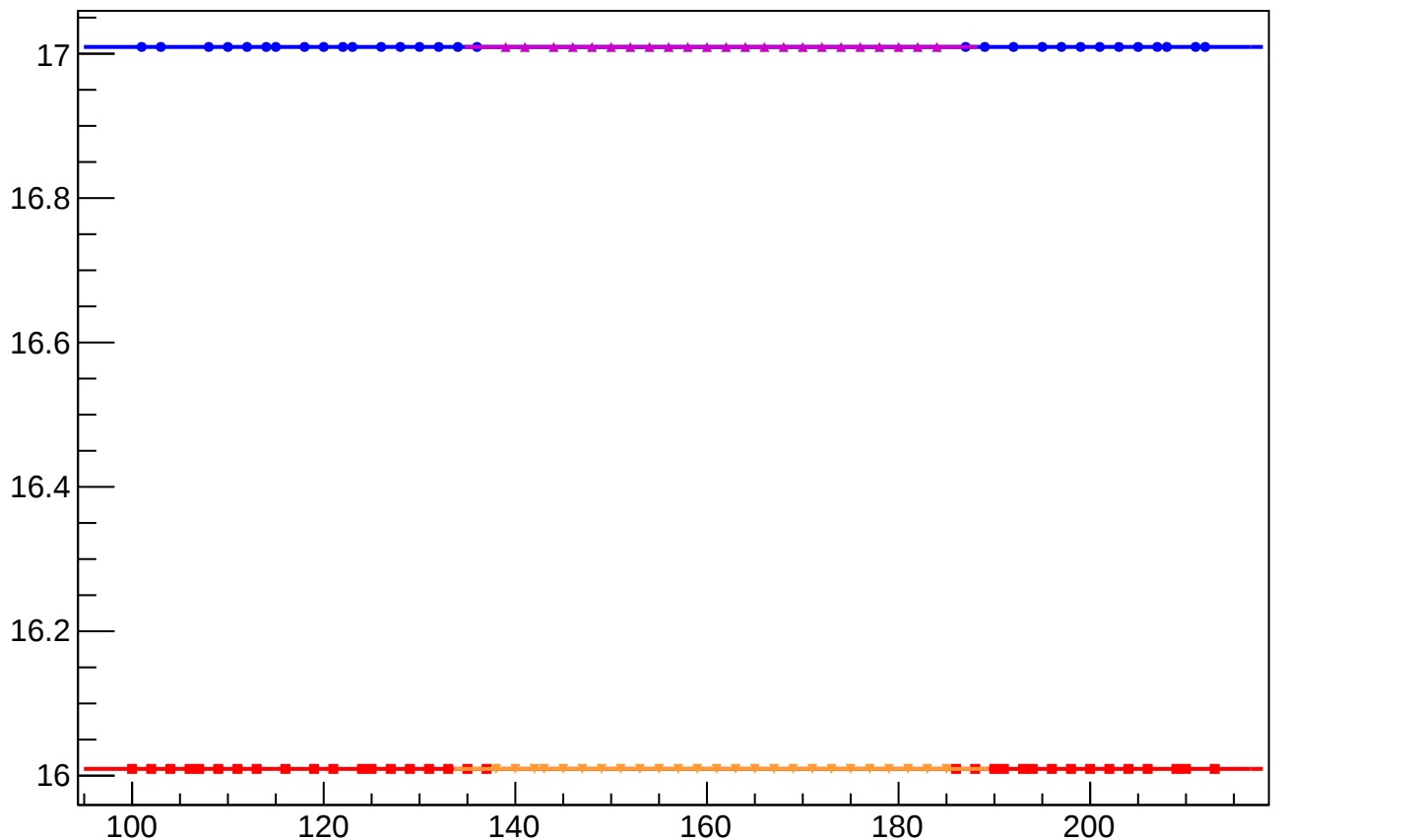
Right In: 90.049 $\pm$ 0.000 χ^2 /NDF: 168281002219981515023178690199552.0/29
 Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5679798.5/24
 Right Out: 90.040 $\pm$ 0.000 χ^2 /NDF: 166692143936874971510791865368576.0/33
 Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6257169.0/22
 Left: 88.021 $\pm$ 0.000 χ^2 /NDF: 13134723.4/47
 Right: 90.045 $\pm$ 0.000 χ^2 /NDF: 3350349125048668
 In: 88.989 $\pm$ 0.000 χ^2 /NDF: 369470227269861993
 Out: 88.994 $\pm$ 0.000 χ^2 /NDF: 39127552478755231
 All: 88.992 $\pm$ 0.000 χ^2 /NDF: 7607512088034

epics_IGL1I00DI24_24Ms_mean vs Slug, Sign Corrected



Right In: 16.009 $\pm$ 0.000	χ^2 /NDF: 114490121772878903902208.0/29	Left: 16.524 $\pm$ 0.000	χ^2 /NDF: 85855870772921272
Left Out: 17.009 $\pm$ 0.000	χ^2 /NDF: 26194929080144976634970112.0/24	Right: 16.524 $\pm$ 0.000	χ^2 /NDF: 8276574365997429
Right Out: 17.009 $\pm$ 0.000	χ^2 /NDF: 20535813240298827063230464.0/33	In: 16.009 $\pm$ 0.000	χ^2 /NDF: 242415116514182171
Left In: 16.009 $\pm$ 0.000	χ^2 /NDF: 127920993667935400624128.0/22	Out: 17.009 $\pm$ 0.000	χ^2 /NDF: 47868654961621131
		All: 16.524 $\pm$ 0.000	χ^2 /NDF: 1686216145832

epics_IGL1I00OD16_16s_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000

χ^2/NDF : 114490121814305155317760.0/29

Left: 16.491+/-0.000

χ^2/NDF : 90683349233974458

Right: 16.486+/-0.000

χ^2/NDF : 8416469955236771

Left Out: 16.009+/-0.000

χ^2/NDF : 61253.5/24

In: 17.009+/-0.000

χ^2/NDF : 229497338182837993

Right Out: 16.009+/-0.000

χ^2/NDF : 302644.9/33

Out: 16.009+/-0.000

χ^2/NDF : 563133.1/58

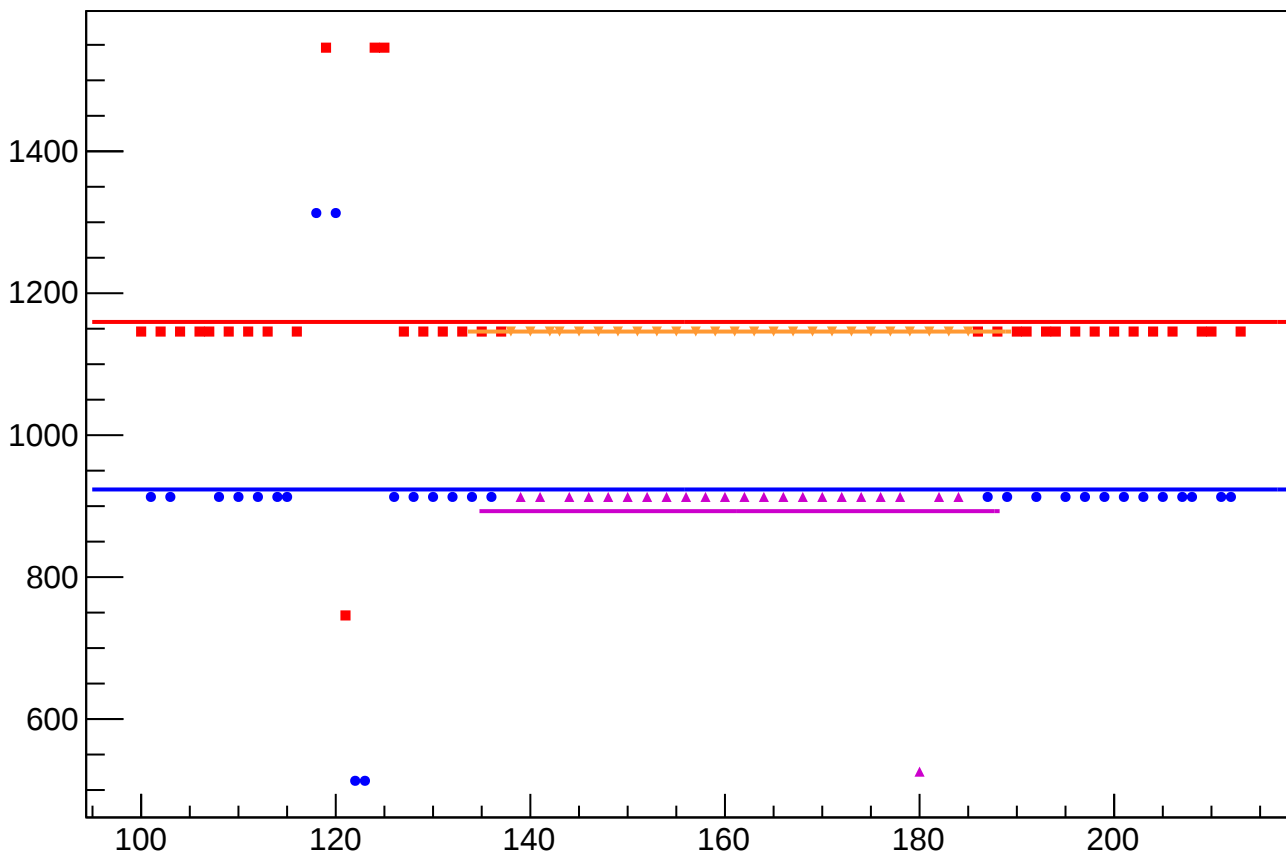
Left In: 17.009+/-0.000

χ^2/NDF : 114986101427233622065152.0/22

All: 16.489+/-0.000

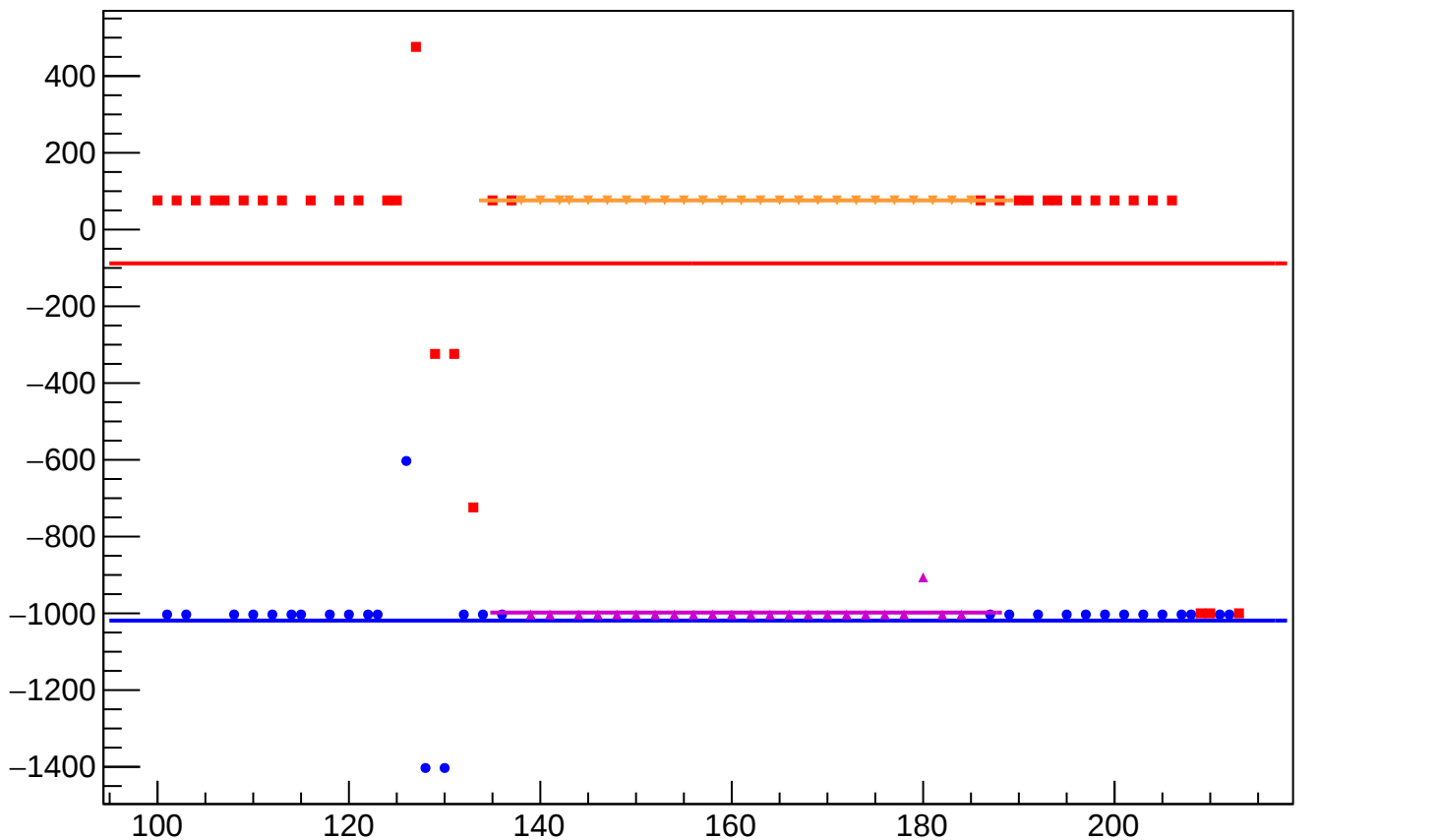
χ^2/NDF : 1748533744526

epics_RTPAPOSUCNTs_mean vs Slug, Sign Corrected



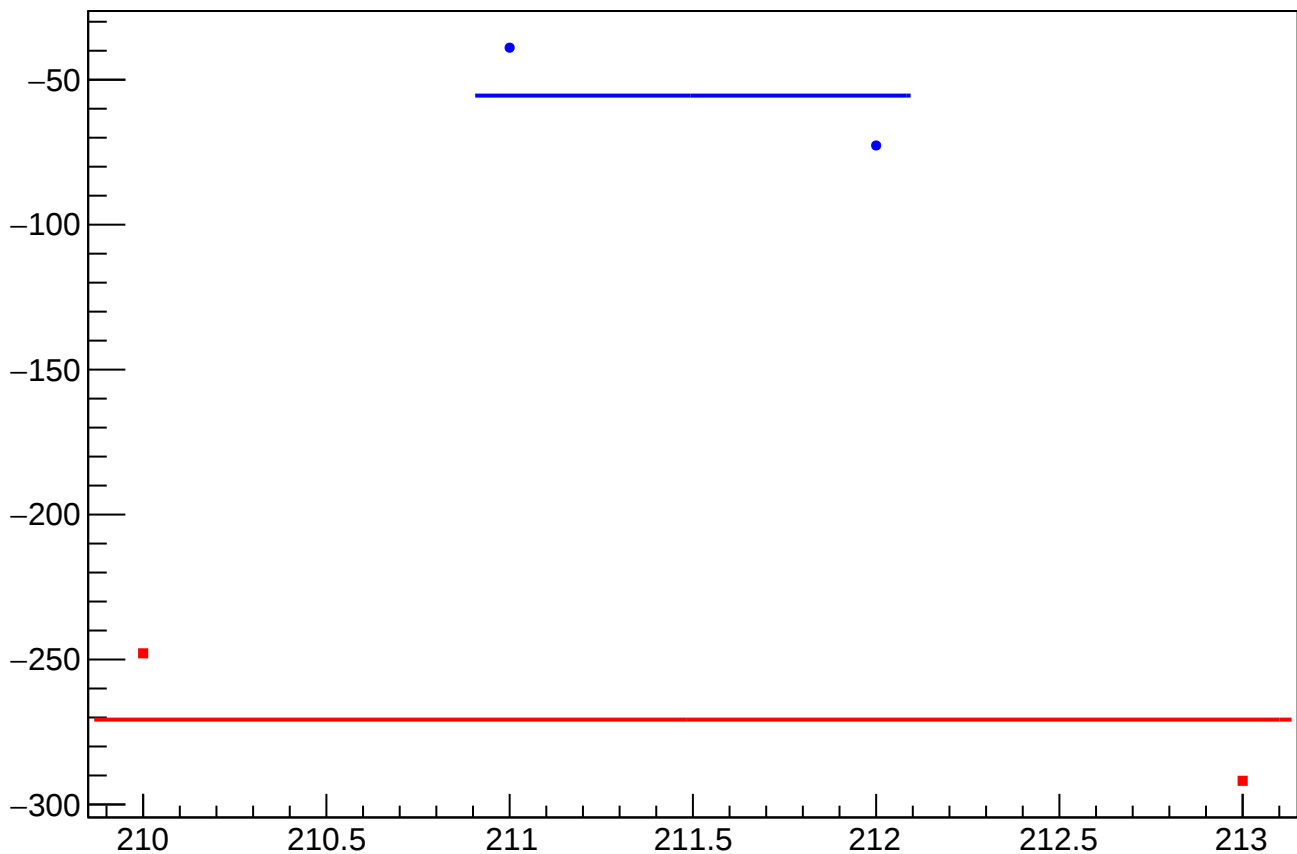
Left: 1023.207 +/- 0.000 χ^2/NDF : 724152114185977
 Right: 1046.114 +/- 0.000 χ^2/NDF : 90332963780893
 Right In: 923.482 +/- 0.000 χ^2/NDF : 21100971074406868262123773169405788160.0/29
 Left Out: 1146.011 +/- 0.000 χ^2/NDF : 8056834670270133849999540224.0/24
 Right Out: 1159.546 +/- 0.000 χ^2/NDF : 21755852214984316784798186999210049536.0/33
 Left In: 892.950 +/- 0.000 χ^2/NDF : 13213852485930520518972295012897783808.0/22
 All: 1034.197 +/- 0.000 χ^2/NDF : 16367983785

epics_RTPAPOSVCNTs_mean vs Slug, Sign Corrected



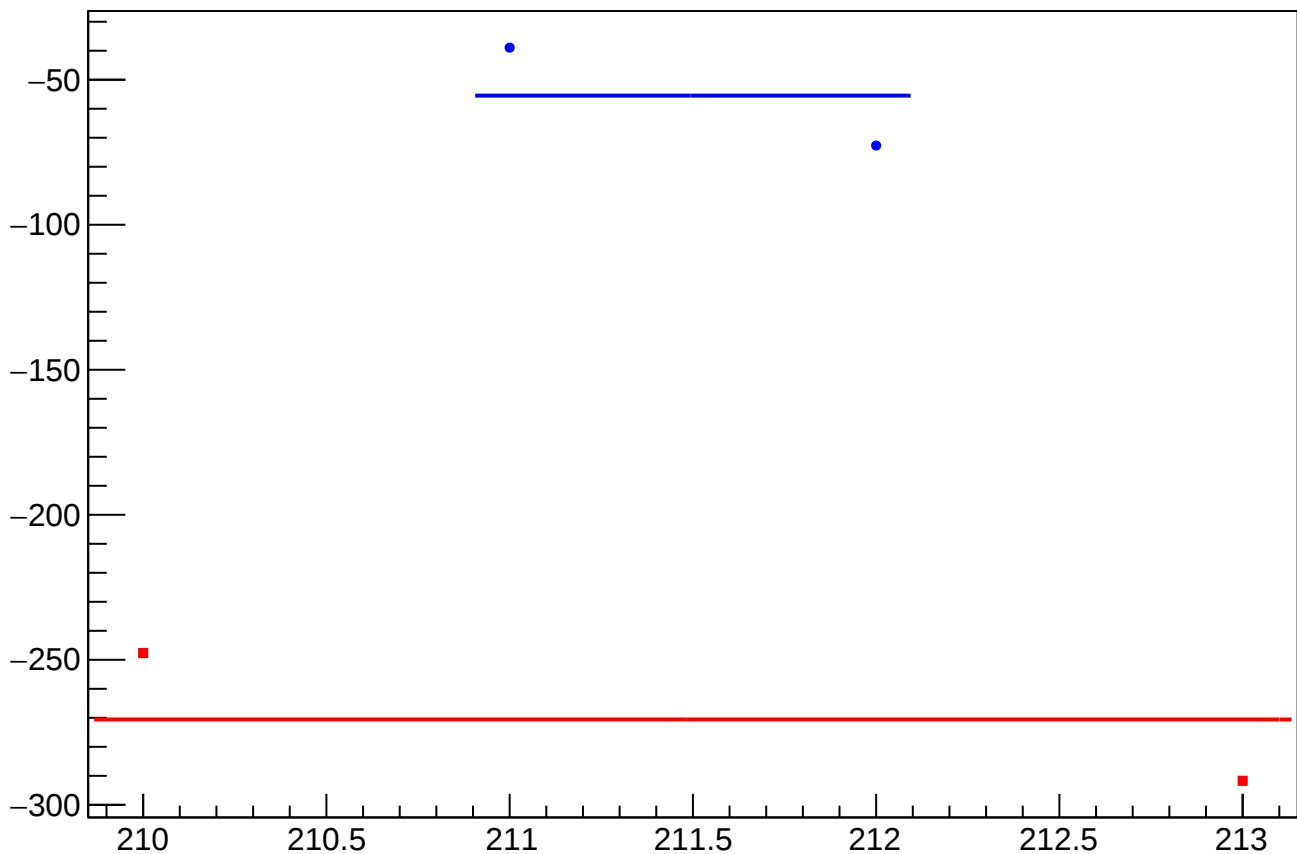
Left: -445.169+/-0.000 χ^2/NDF : 106713327806479
 Right In: -1018.843+/-0.000 χ^2/NDF : 22787485764958494162868121116650504192.0/29
 Left Out: 76.011+/-0.000 χ^2/NDF : 11479003589933272170007363584.0/24
 Right Out: -88.061+/-0.000 χ^2/NDF : 259809232483906796704877021850469662720.0/33
 In: -1007.937+/-0.000 χ^2/NDF : 239864956868319
 Out: -3.081+/-0.000 χ^2/NDF : 28452995245512203
 Left In: -997.979+/-0.000 χ^2/NDF : 825858066518991041870194619245920256.0/22
 All: -488.418+/-0.000 χ^2/NDF : 21022535834

epics_RTPPITA1CNTs_mean vs Slug, Sign Corrected



Left: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Right In: -55.479+/-0.000 χ^2/NDF : 42949061990506951287631176628436992.0/1
 Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Right: -162.746+/-0.000 χ^2/NDF : 36018285664403
 In: -55.479+/-0.000 χ^2/NDF : 42949061990506951
 Right Out: -270.729+/-0.000 χ^2/NDF : 72391751130083692399004283901575168.0/1
 Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -162.746+/-0.000 χ^2/NDF : 36018285664

epics_RTPPITA2CNTs_mean vs Slug, Sign Corrected



Left: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Right In: -55.479+/-0.000 χ^2/NDF : 42949061990506951287631176628436992.0/1
 Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Right Out: -270.574+/-0.000 χ^2/NDF : 72629179805941194116968620035670016.0/1
 Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -55.479+/-0.000 χ^2/NDF : 42949061990506951287631176628436992.0/1
 Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 All: -162.669+/-0.000 χ^2/NDF : 35970576006521.0/1