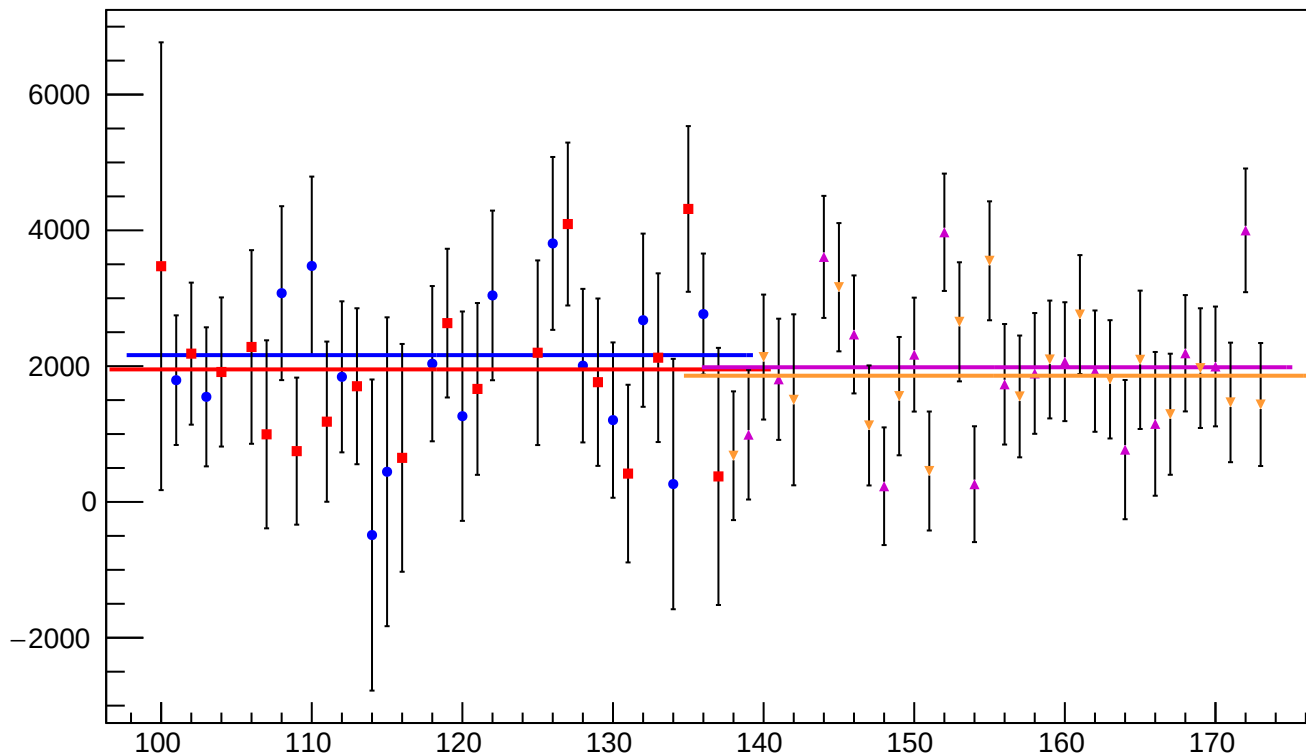


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

Left Out: 1859.030+/-214.381

Right Out: 1952.148+/-300.581

Left In: 1983.748+/-217.365

χ^2/NDF : 8.9/15

χ^2/NDF : 13.7/17

χ^2/NDF : 12.6/17

χ^2/NDF : 25.3/16

Left: 1920.527+/-152.634

Right: 2054.903+/-214.883

In: 2043.292+/-177.461

Out: 1890.427+/-174.537

All: 1965.590+/-124.437

χ^2/NDF : 39.1/34

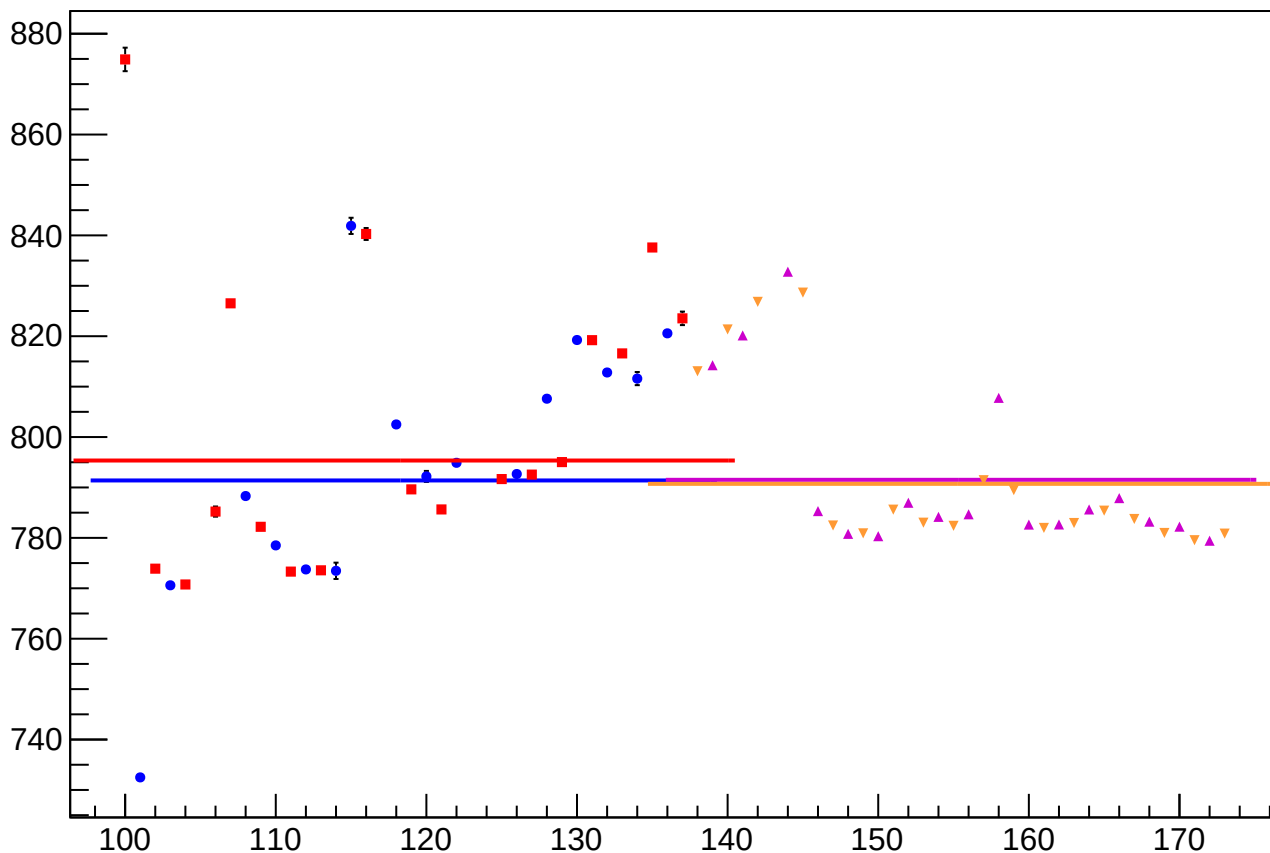
χ^2/NDF : 21.8/33

χ^2/NDF : 34.4/32

χ^2/NDF : 26.4/35

χ^2/NDF : 61.2/68

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 791.390+/-0.217 χ^2/NDF : 15008.3/15

Left Out: 790.716+/-0.152 χ^2/NDF :10370.2/17

Right Out: 795.345+/-0.213 χ^2/NDF : 11559.8/17

Left In: 791.515+/-0.154 χ^2/NDF :10416.0/16

Left: 791.110+/-0.108 χ^2/NDF : 20799.9/34

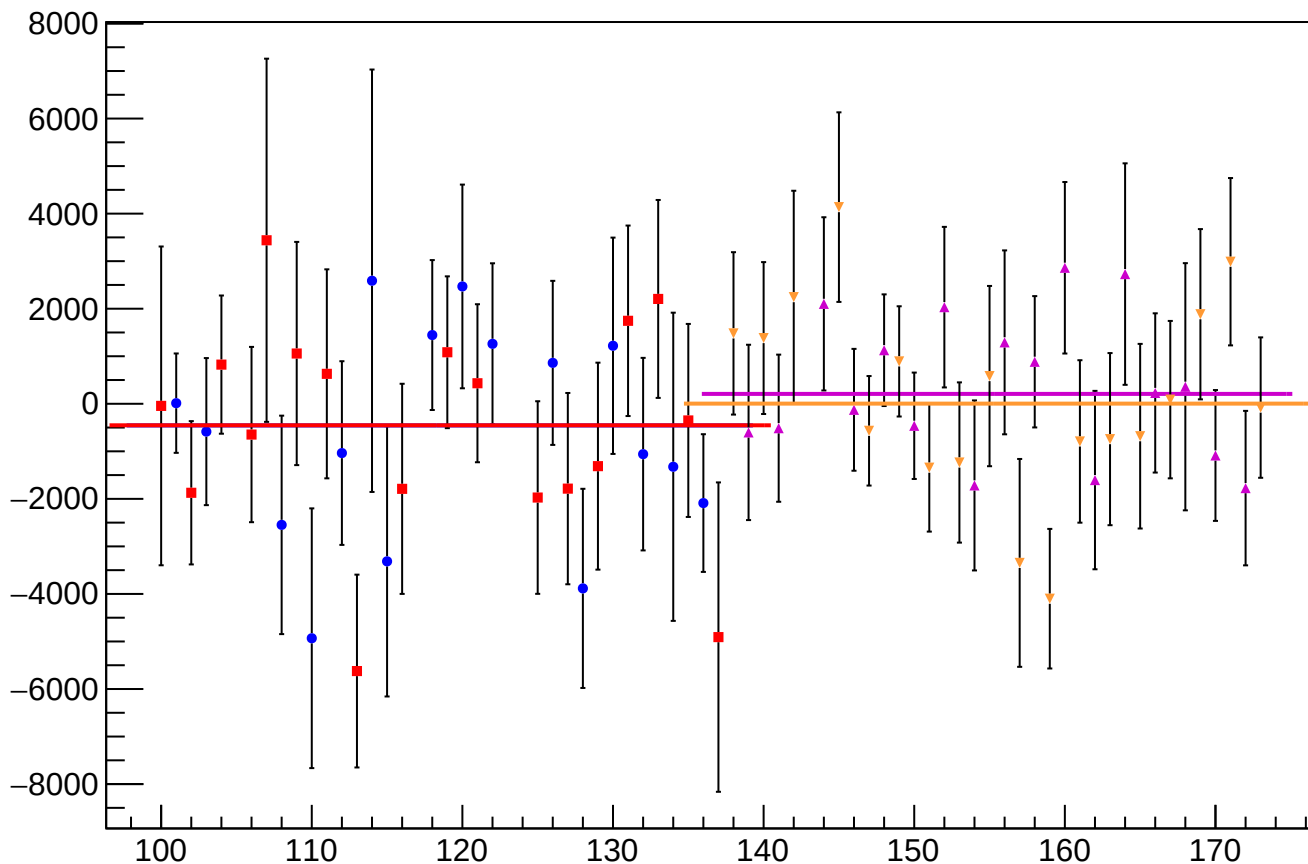
Right: 793.411+/-0.152 χ^2/NDF : 26737.3/33

In: 791.473+/-0.125 χ^2/NDF :25424.5/32

Out: 792.276+/-0.123 χ^2/NDF :22244.4/35

All: 791.882+/-0.088 χ^2/NDF : 47689.7/68

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: -455.675+/-464.232 χ^2/NDF : 14.9/15

Left Out: 3.375+/-380.418 χ^2/NDF : 23.9/17

Right Out: -452.644+/-472.760 χ^2/NDF : 17.3/17

Left In: 207.869+/-383.857 χ^2/NDF : 12.1/16

Left: 104.702+/-270.204 χ^2/NDF : 36.1/34

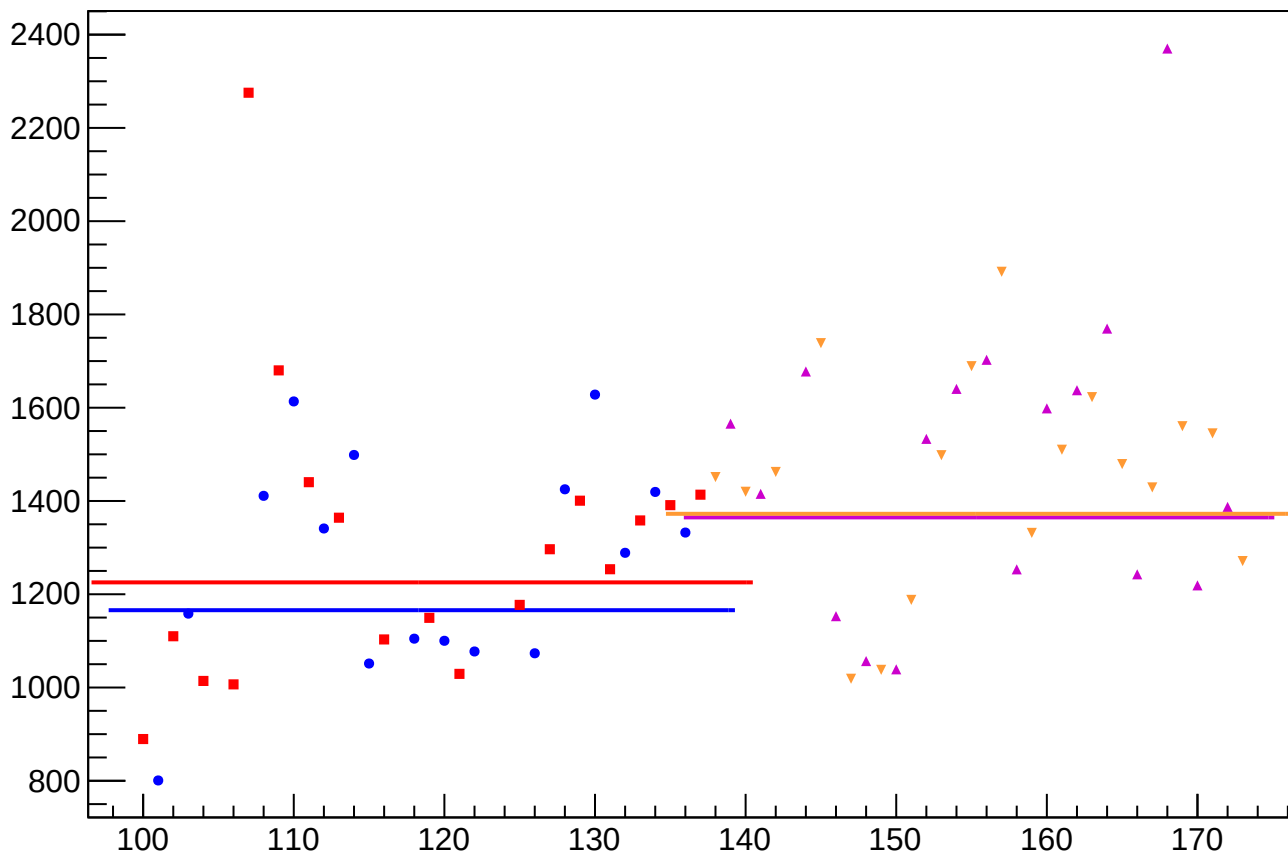
Right: -454.187+/-331.236 χ^2/NDF : 32.2/33

In: -61.578+/-295.826 χ^2/NDF : 28.1/32

Out: -175.850+/-296.380 χ^2/NDF : 41.8/35

All: -118.607+/-209.376 χ^2/NDF : 70.0/68

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1165.812 $\pm$ 0.328 χ^2 /NDF: 526801.3/15

Left Out: 1372.509 $\pm$ 0.269 χ^2 /NDF: 760598.8/17

Right Out: 1225.448 $\pm$ 0.334 χ^2 /NDF: 440420.8/17

Left In: 1364.800 $\pm$ 0.271 χ^2 /NDF: 1056879.9/16

Left: 1368.689 $\pm$ 0.191 χ^2 /NDF: 1817885.7/34

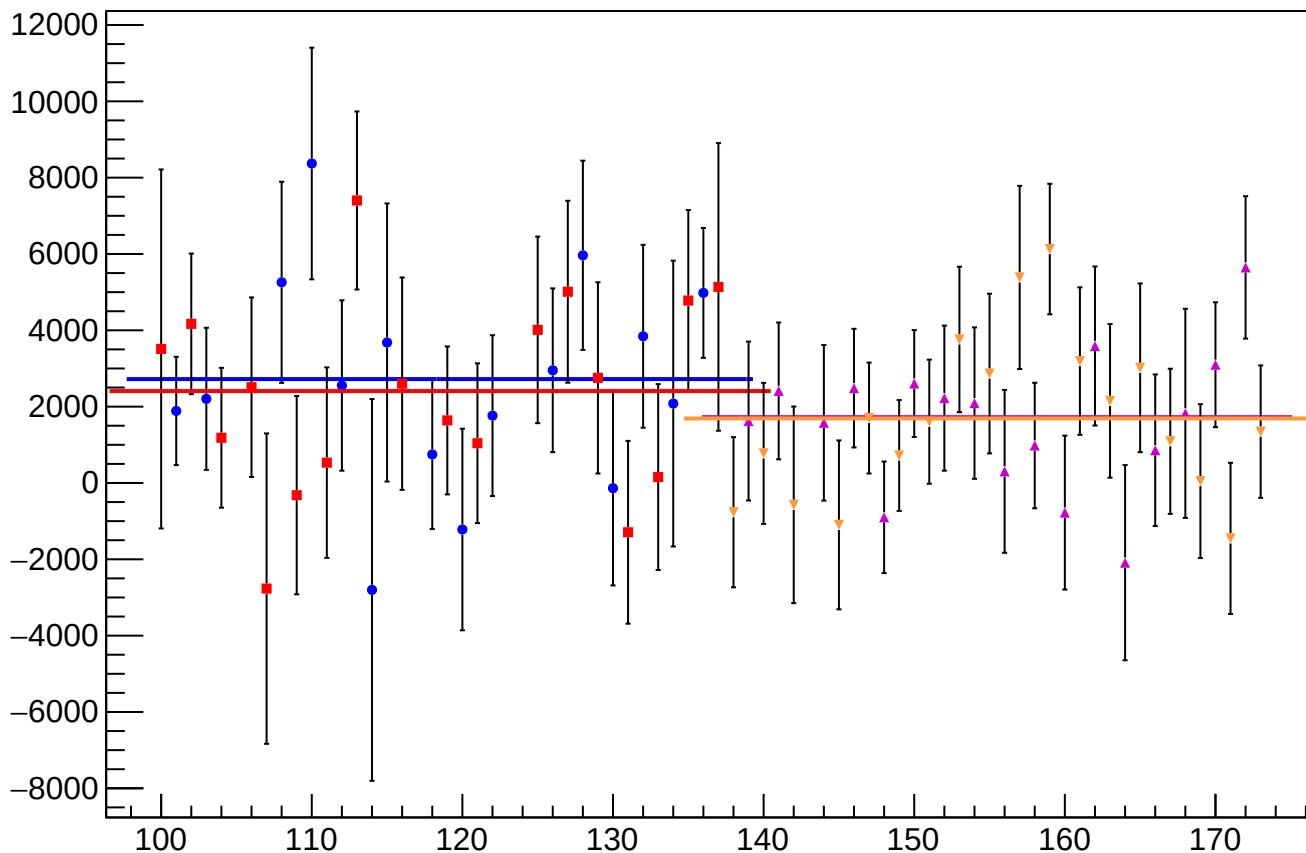
Right: 1195.087 $\pm$ 0.234 χ^2 /NDF: 983424.3/33

In: 1283.996 $\pm$ 0.209 χ^2 /NDF: 1801927.9/32

Out: 1314.711 $\pm$ 0.210 χ^2 /NDF: 1318486.7/35

All: 1299.325 $\pm$ 0.148 χ^2 /NDF: 3131174.5/68

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2722.309+/-567.154 χ^2/NDF : 14.6/15

Left Out: 1690.610+/-443.611 χ^2/NDF : 19.6/17

Right Out: 2408.446+/-568.977 χ^2/NDF : 16.3/17

Left In: 1724.820+/-448.487 χ^2/NDF : 14.6/16

Left: 1707.528+/-315.390 χ^2/NDF : 34.2/34

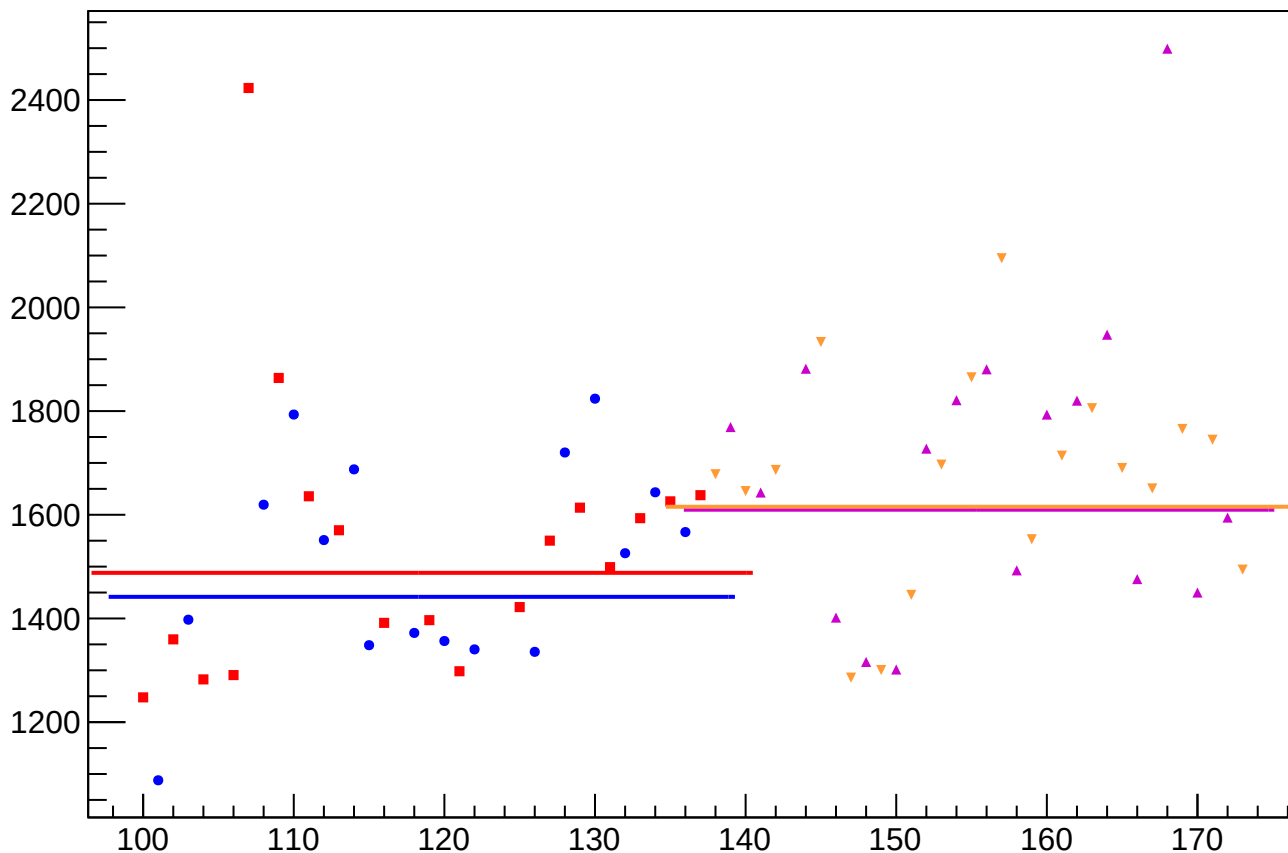
Right: 2565.881+/-401.681 χ^2/NDF : 31.0/33

In: 2108.588+/-351.788 χ^2/NDF : 31.1/32

Out: 1961.996+/-349.845 χ^2/NDF : 36.8/35

All: 2034.886+/-248.062 χ^2/NDF : 68.0/68

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1441.720+/-0.401 χ^2/NDF : 275902.8/15

Left Out: 1615.481+/-0.314 χ^2/NDF : 434194.9/17

Right Out: 1488.026+/-0.402 χ^2/NDF : 256140.4/17

Left In: 1609.789+/-0.317 χ^2/NDF : 644885.6/16

Left: 1612.666+/-0.223 χ^2/NDF : 1079243.3/34

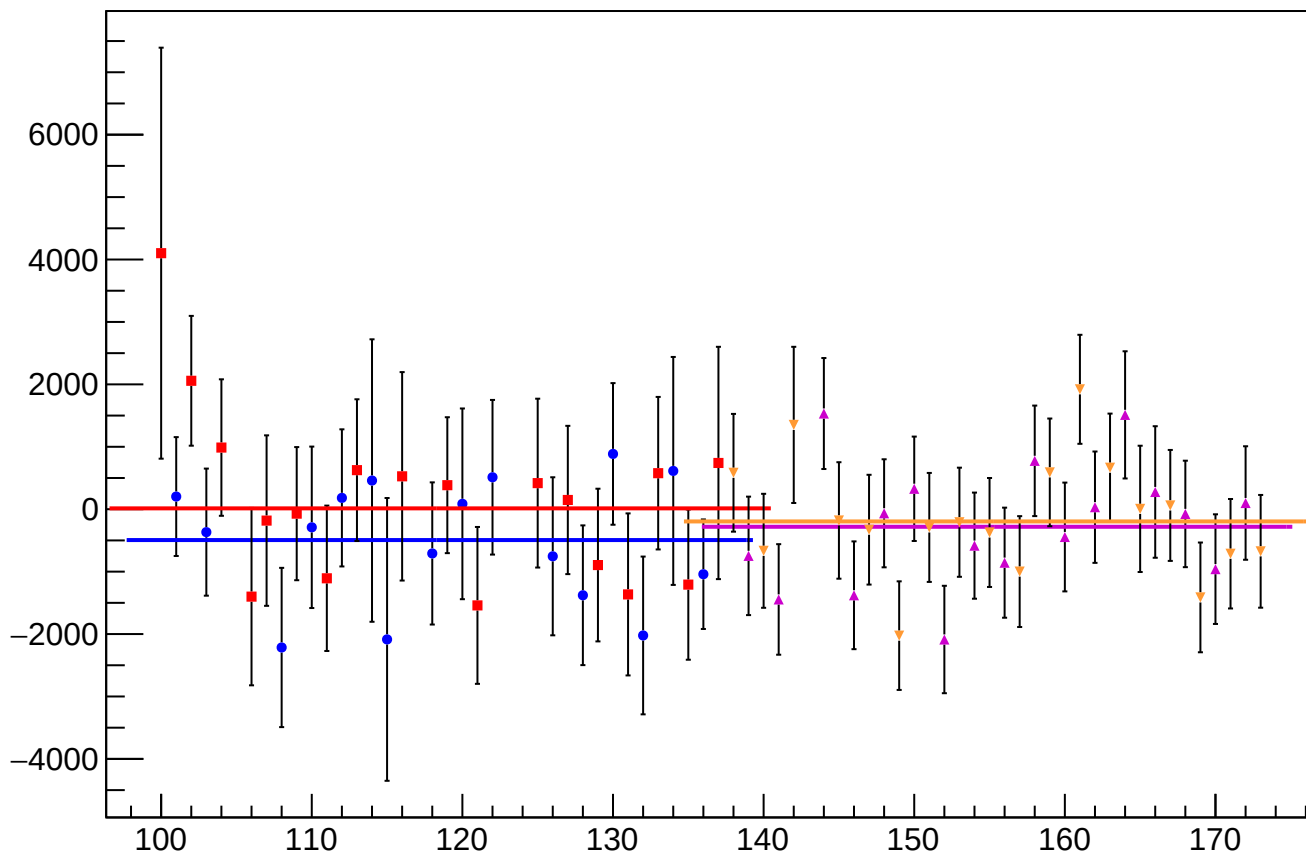
Right: 1464.799+/-0.284 χ^2/NDF : 538687.7/33

In: 1545.127+/-0.249 χ^2/NDF : 1028848.8/32

Out: 1567.295+/-0.247 χ^2/NDF : 752752.7/35

All: 1556.273+/-0.175 χ^2/NDF : 1785594.2/68

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -494.223 $\pm$ 304.644 χ^2/NDF : 8.7/15

Left Out: -195.830 $\pm$ 213.307 χ^2/NDF :18.2/17

Right Out: 13.512 $\pm$ 297.736 χ^2/NDF : 13.4/17

Left In: -281.297 $\pm$ 216.293 χ^2/NDF :19.1/16

Left: -237.969 $\pm$ 151.876 χ^2/NDF : 37.3/34

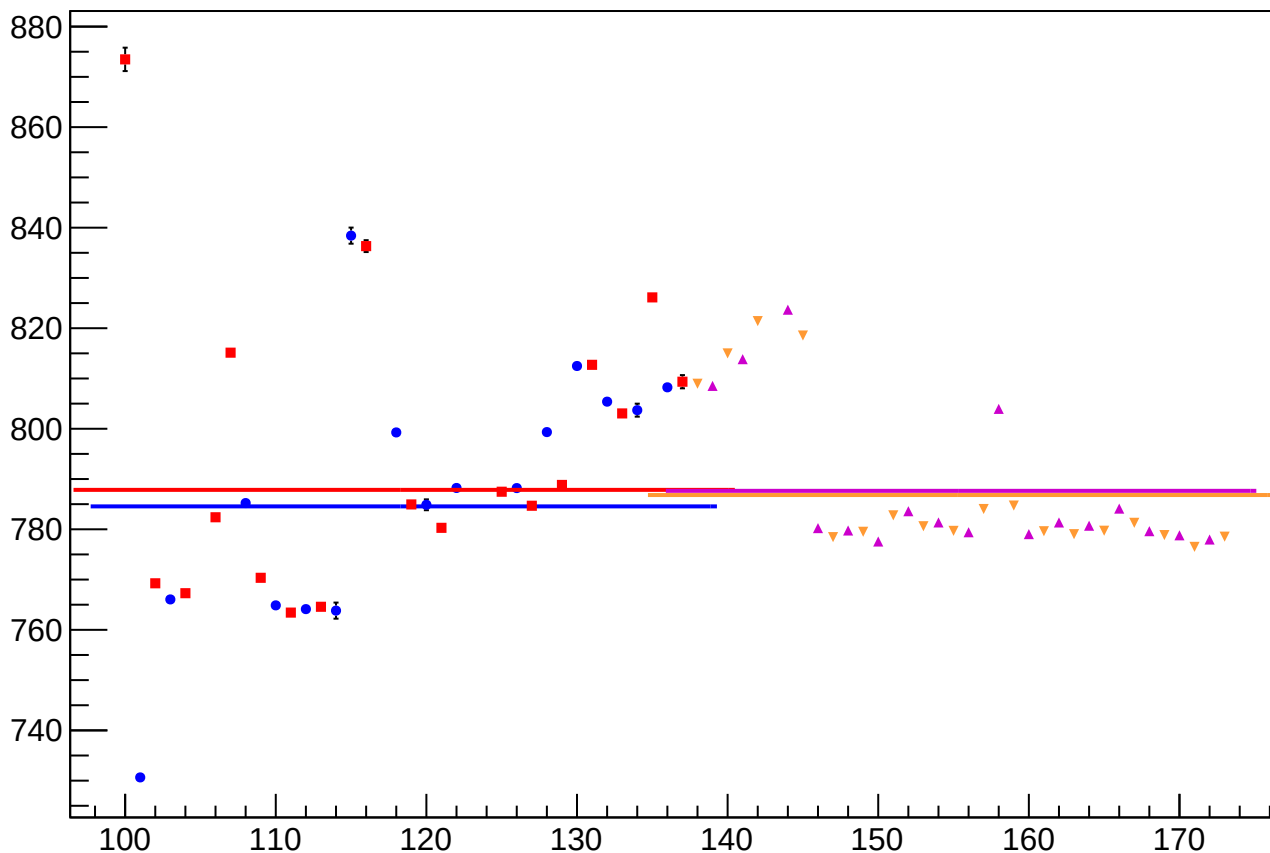
Right: -234.534 $\pm$ 212.932 χ^2/NDF : 23.4/33

In: -352.658 $\pm$ 176.363 χ^2/NDF :28.1/32

Out: -124.826 $\pm$ 173.399 χ^2/NDF :31.8/35

All: -236.811 $\pm$ 123.646 χ^2/NDF : 60.7/68

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 784.558 $\pm$ 0.215 χ^2 /NDF: 13677.7/15

Left Out: 786.817 $\pm$ 0.151 χ^2 /NDF: 8562.5/17

Right Out: 787.844 $\pm$ 0.211 χ^2 /NDF: 10909.0/17

Left In: 787.652 $\pm$ 0.153 χ^2 /NDF: 8632.2/16

Left: 787.228 $\pm$ 0.107 χ^2 /NDF: 17209.9/34

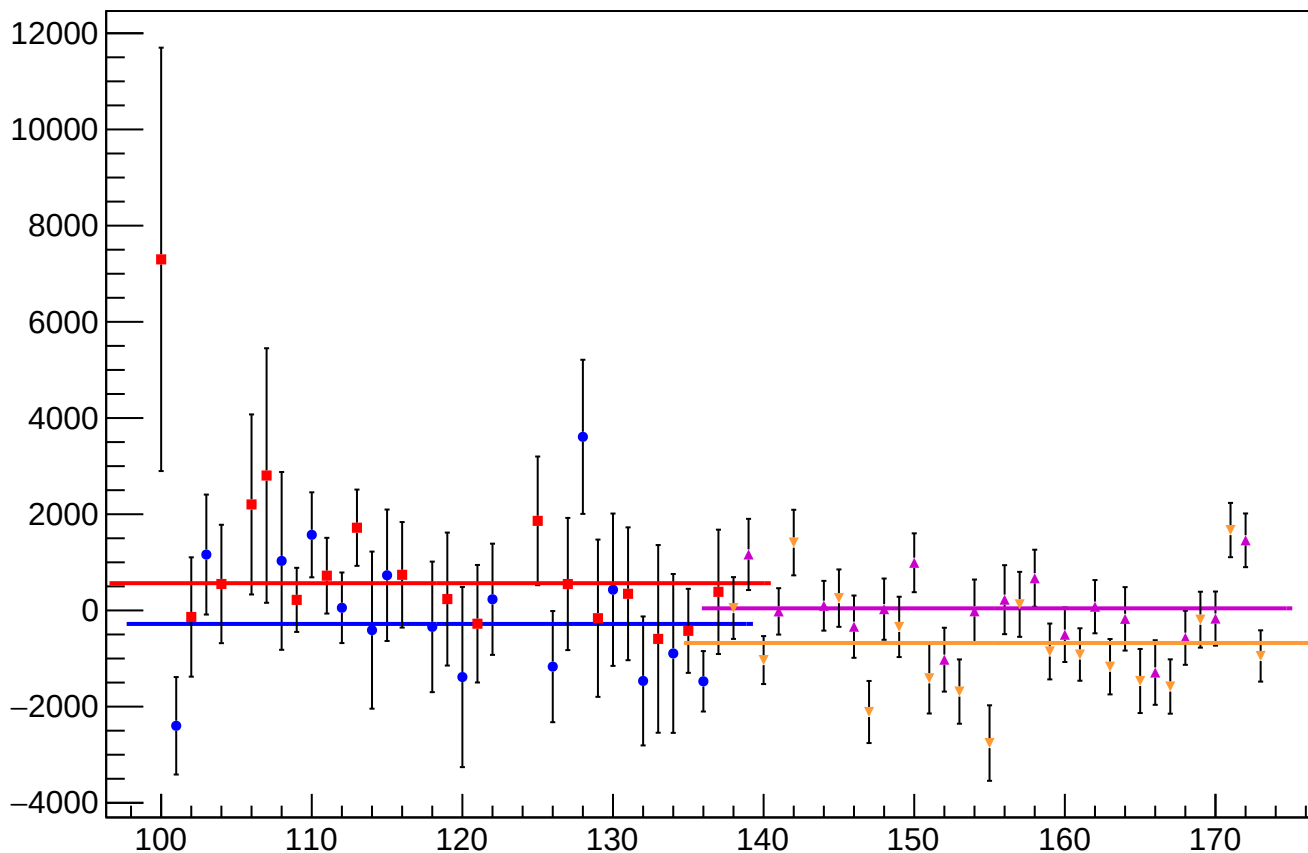
Right: 786.239 $\pm$ 0.151 χ^2 /NDF: 24705.7/33

In: 786.615 $\pm$ 0.125 χ^2 /NDF: 22447.0/32

Out: 787.165 $\pm$ 0.123 χ^2 /NDF: 19487.3/35

All: 786.895 $\pm$ 0.087 χ^2 /NDF: 41944.2/68

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -280.632 ± 282.501 $\chi^2/\text{NDF}: 23.1/15$

Left Out: -676.462 ± 143.411 $\chi^2/\text{NDF}: 53.8/17$

Right Out: 566.224 ± 272.883 $\chi^2/\text{NDF}: 9.9/17$

Left In: 43.523 ± 145.626 $\chi^2/\text{NDF}: 21.6/16$

Left: -321.987 ± 102.181 $\chi^2/\text{NDF}: 87.8/34$

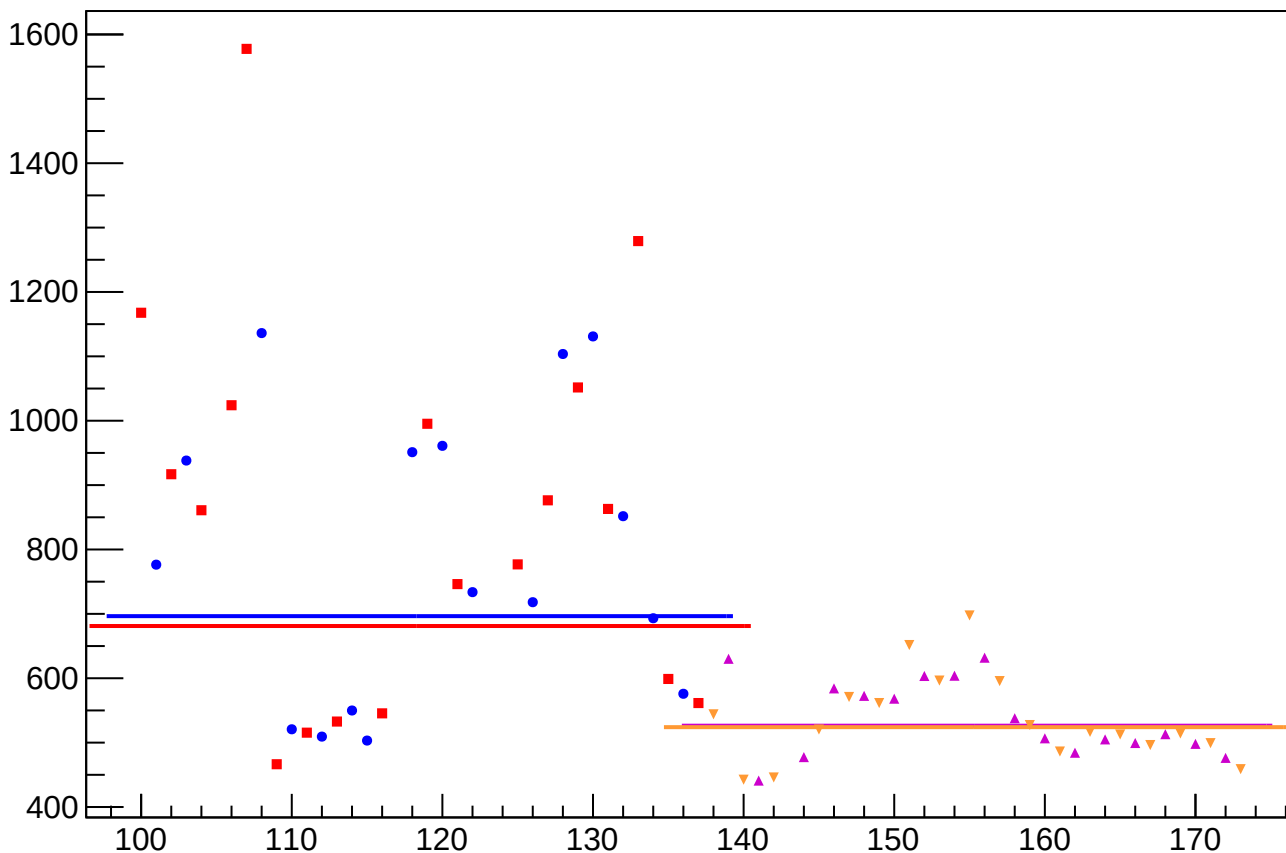
Right: 157.456 ± 196.270 $\chi^2/\text{NDF}: 37.7/33$

In: -24.530 ± 129.440 $\chi^2/\text{NDF}: 45.7/32$

Out: -407.523 ± 126.947 $\chi^2/\text{NDF}: 80.0/35$

All: -219.750 ± 90.634 $\chi^2/\text{NDF}: 130.2/68$

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 696.462 $\pm$ 0.200 χ^2 /NDF: 959490.0/15

Left Out: 524.013 $\pm$ 0.101 χ^2 /NDF: 353838.4/17

Right Out: 681.127 $\pm$ 0.193 χ^2 /NDF: 1352555.6/17

Left In: 526.310 $\pm$ 0.103 χ^2 /NDF: 296020.0/16

Left: 525.144 $\pm$ 0.072 χ^2 /NDF: 650110.9/34

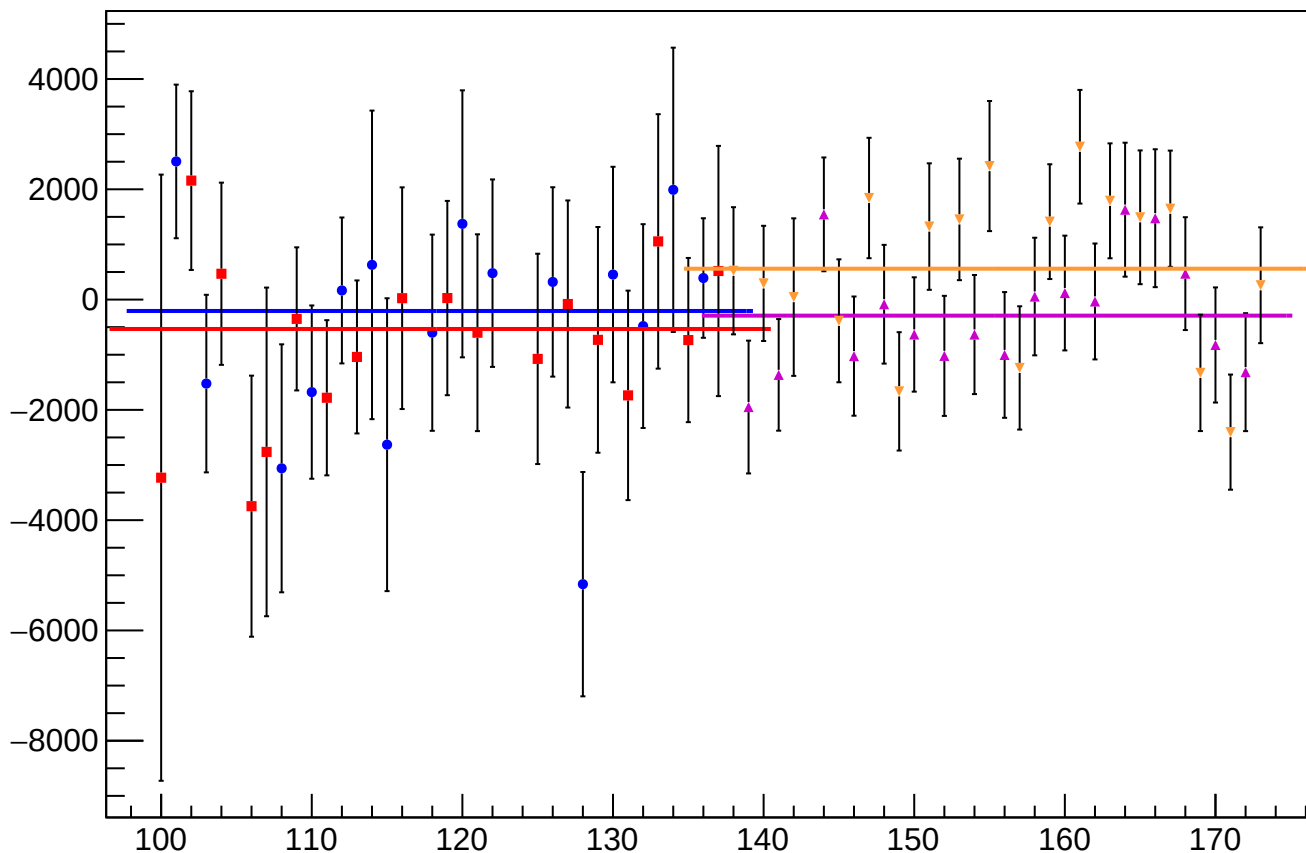
Right: 688.529 $\pm$ 0.139 χ^2 /NDF: 2315094.2/33

In: 562.032 $\pm$ 0.092 χ^2 /NDF: 1828733.7/32

Out: 558.015 $\pm$ 0.090 χ^2 /NDF: 2225897.9/35

All: 559.984 $\pm$ 0.064 χ^2 /NDF: 4055613.1/68

asym_us_dd_mean vs Slug, Sign Corrected



Right In: -206.385 ± 433.774 χ^2/NDF : 15.8/15

Left Out: 560.288 ± 259.401 χ^2/NDF : 32.4/17

Right Out: -532.837 ± 427.128 χ^2/NDF : 8.1/17

Left In: -291.130 ± 262.649 χ^2/NDF : 14.3/16

Left: 139.876 ± 184.562 χ^2/NDF : 52.1/34

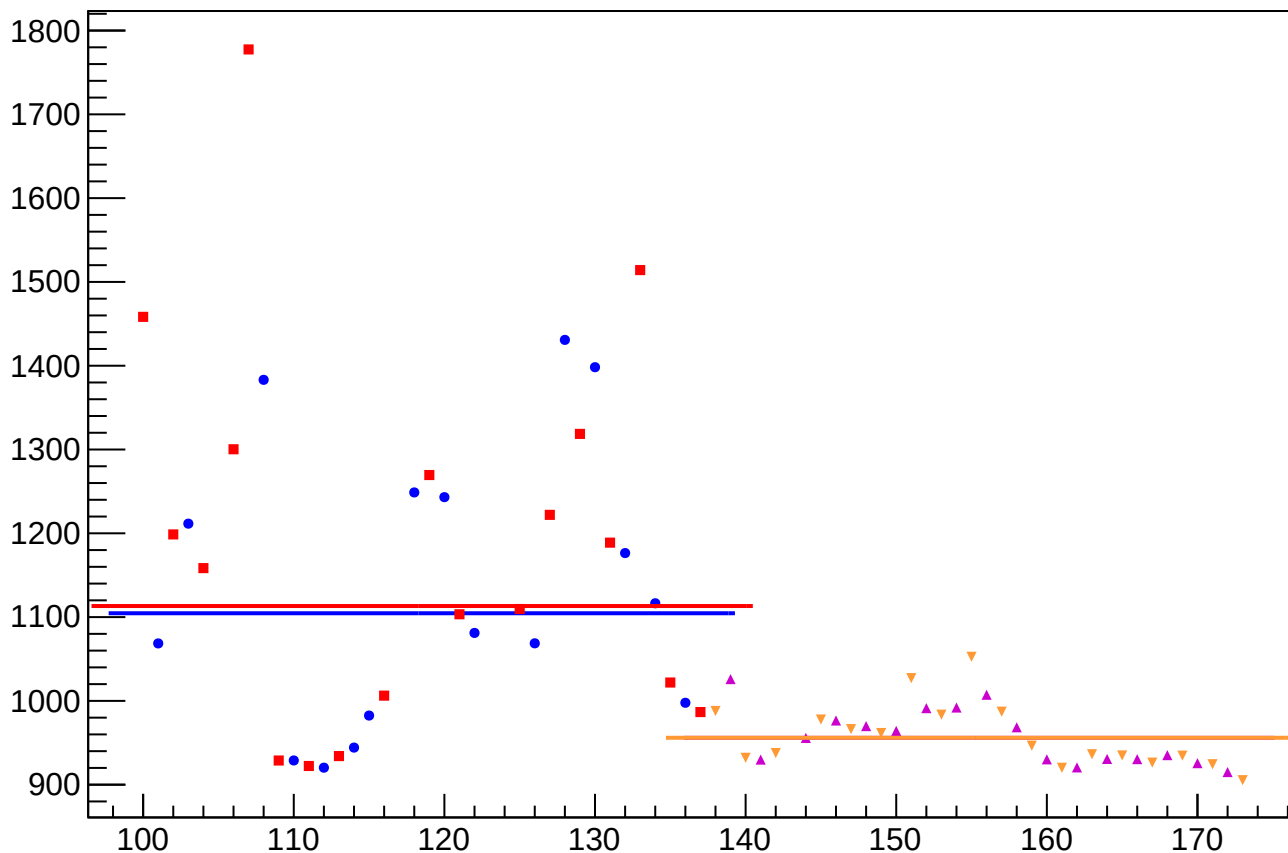
Right: -372.131 ± 304.348 χ^2/NDF : 24.2/33

In: -268.395 ± 224.673 χ^2/NDF : 30.1/32

Out: 265.746 ± 221.716 χ^2/NDF : 45.4/35

All: 2.214 ± 157.812 χ^2/NDF : 78.3/68

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1104.596+/-0.307 χ^2/NDF : 255488.3/15

Left Out: 955.984+/-0.183 χ^2/NDF : 40609.5/17

Right Out: 1113.215+/-0.302 χ^2/NDF : 362982.2/17

Left In: 955.892+/-0.186 χ^2/NDF : 28563.2/16

Left: 955.938+/-0.131 χ^2/NDF : 69172.8/34

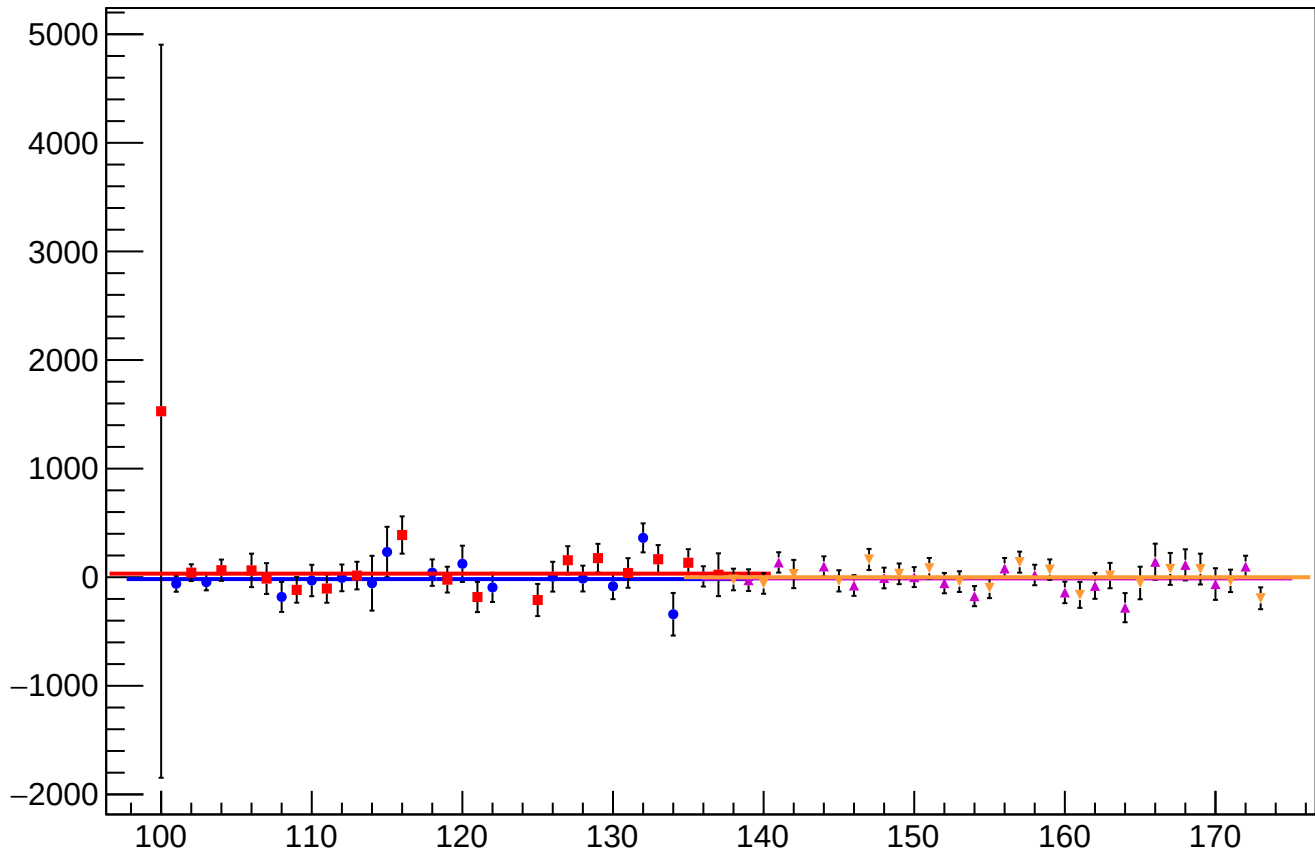
Right: 1108.972+/-0.215 χ^2/NDF : 618871.4/33

In: 995.785+/-0.159 χ^2/NDF : 456040.8/32

Out: 998.350+/-0.157 χ^2/NDF : 601581.2/35

All: 997.084+/-0.112 χ^2/NDF : 1057754.0/68

reg_asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -17.236+/-29.988 χ^2/NDF : 15.6/15

Left Out: -0.235+/-24.878 χ^2/NDF :14.4/17

Right Out: 32.892+/-30.446 χ^2/NDF : 16.5/17

Left In: -11.249+/-25.167 χ^2/NDF :17.7/16

Left: -5.678+/-17.693 χ^2/NDF : 32.2/34

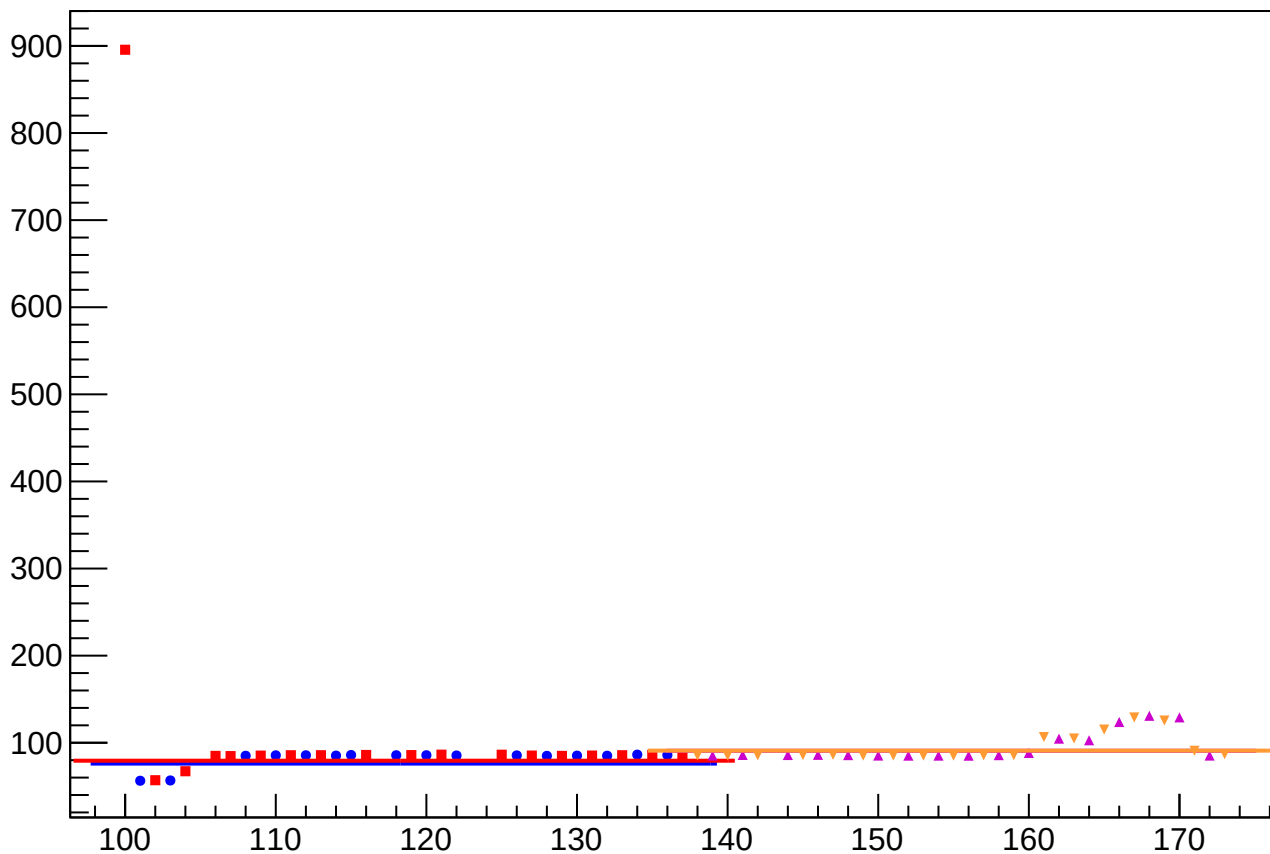
Right: 7.447+/-21.365 χ^2/NDF : 33.5/33

In: -13.723+/-19.278 χ^2/NDF :33.3/32

Out: 13.027+/-19.265 χ^2/NDF :31.7/35

All: -0.339+/-13.627 χ^2/NDF : 66.0/68

reg_asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.079+/-0.021 χ^2/NDF : 409170.8/15

Left Out: 90.952+/-0.018 χ^2/NDF : 439120.3/17

Right Out: 79.390+/-0.022 χ^2/NDF : 378526.1/17

Left In: 90.772+/-0.018 χ^2/NDF : 485188.5/16

Left: 90.863+/-0.013 χ^2/NDF : 924359.9/34

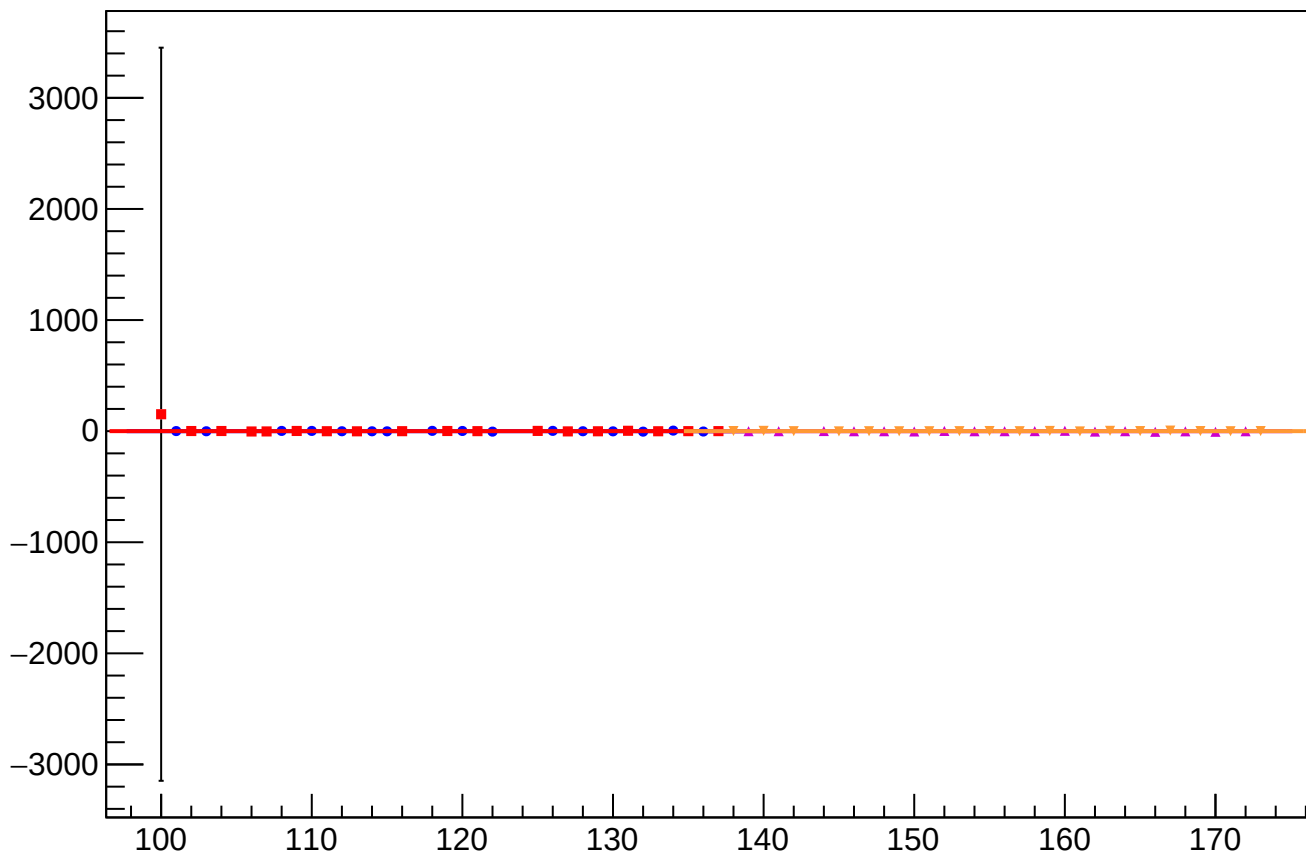
Right: 77.709+/-0.015 χ^2/NDF : 799700.2/33

In: 84.700+/-0.014 χ^2/NDF : 1176080.2/32

Out: 86.323+/-0.014 χ^2/NDF : 990586.5/35

All: 85.512+/-0.010 χ^2/NDF : 2173754.8/68

asym_ds_avg_correction_mean vs Slug, Sign Corrected



Right In: -0.281 ± 0.501 χ^2/NDF : 21.2/15

Left Out: 0.003 ± 0.428 χ^2/NDF : 13.0/17

Right Out: 0.078 ± 0.521 χ^2/NDF : 9.0/17

Left In: -0.461 ± 0.452 χ^2/NDF : 19.2/16

Left: -0.217 ± 0.311 χ^2/NDF : 32.7/34

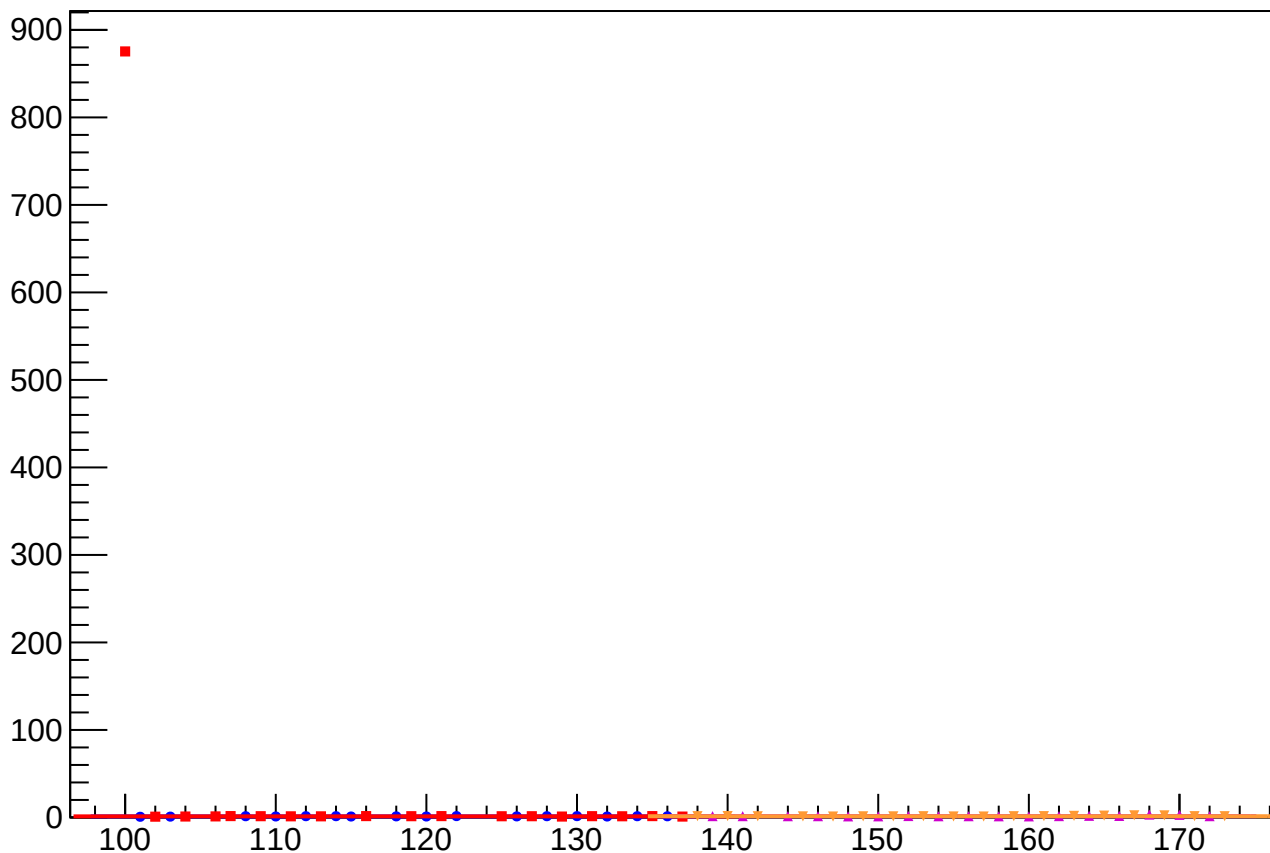
Right: -0.108 ± 0.361 χ^2/NDF : 30.4/33

In: -0.380 ± 0.335 χ^2/NDF : 40.5/32

Out: 0.033 ± 0.331 χ^2/NDF : 22.0/35

All: -0.171 ± 0.236 χ^2/NDF : 63.2/68

asym_ds_avg_correction_rms vs Slug, Sign Corrected



Right In: 1.152+/-0.000 χ^2/NDF : 514348.9/15

Left Out: 1.391+/-0.000 χ^2/NDF : 899980.4/17

Right Out: 1.247+/-0.000 χ^2/NDF : 517130.7/17

Left In: 1.474+/-0.000 χ^2/NDF : 967553.2/16

Left: 1.430+/-0.000 χ^2/NDF : 1903364.7/34

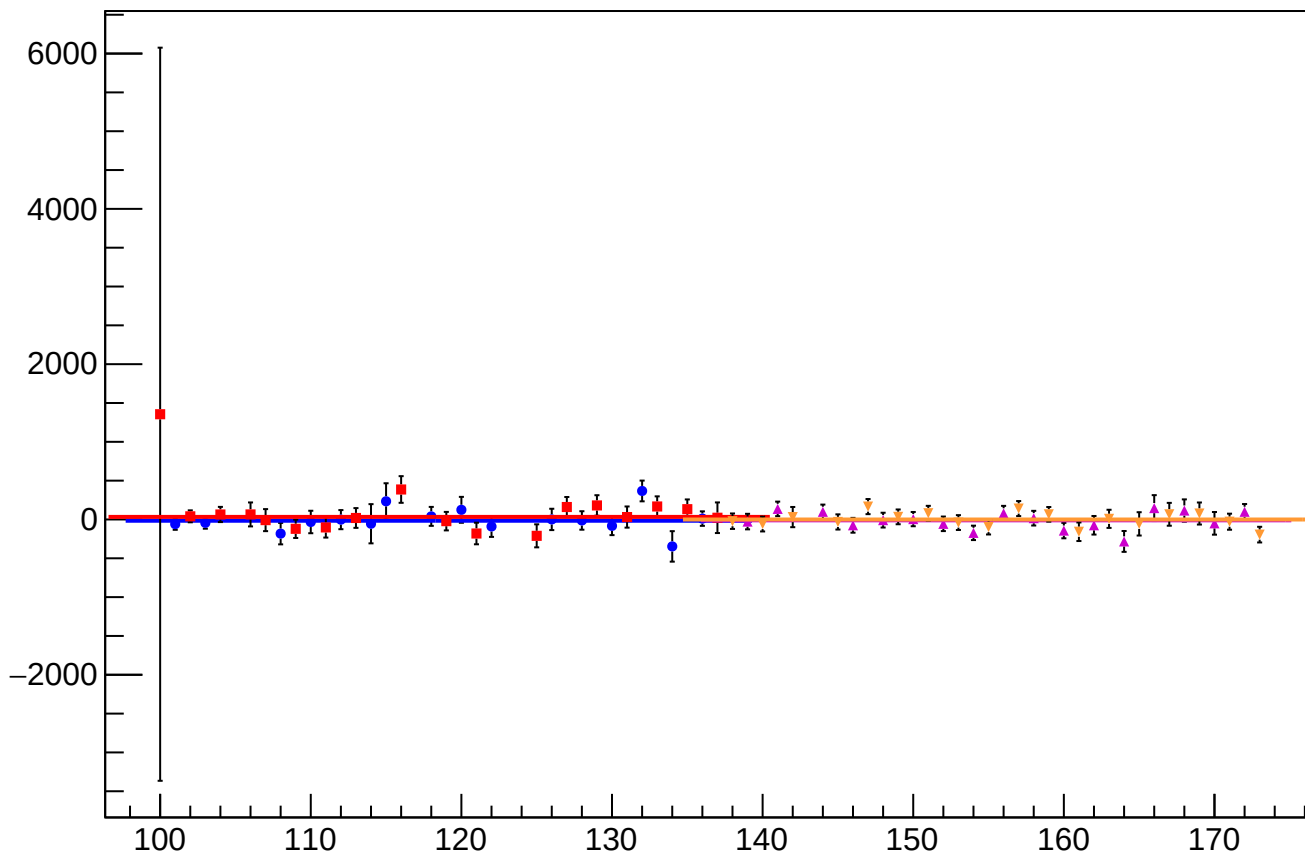
Right: 1.198+/-0.000 χ^2/NDF : 1065824.7/33

In: 1.330+/-0.000 χ^2/NDF : 1936775.9/32

Out: 1.333+/-0.000 χ^2/NDF : 1507946.8/35

All: 1.331+/-0.000 χ^2/NDF : 3444793.5/68

asym_ds_avg_mean vs Slug, Sign Corrected



Right In: -16.311+/-29.996 χ^2/NDF : 15.9/15

Left Out: -0.458+/-24.886 χ^2/NDF : 14.4/17

Right Out: 33.114+/-30.455 χ^2/NDF : 16.5/17

Left In: -10.964+/-25.175 χ^2/NDF : 17.7/16

Left: -5.650+/-17.698 χ^2/NDF : 32.2/34

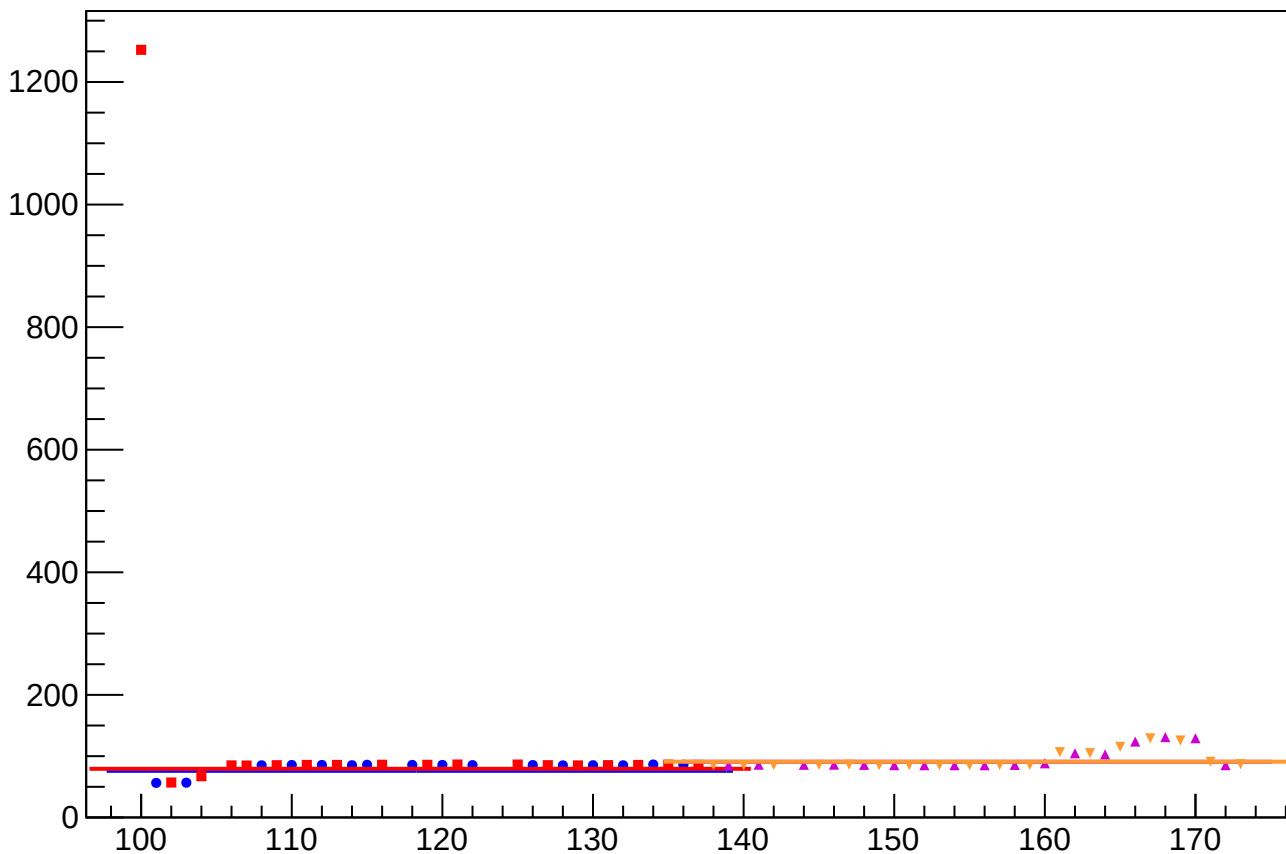
Right: 8.026+/-21.371 χ^2/NDF : 33.7/33

In: -13.174+/-19.284 χ^2/NDF : 33.6/32

Out: 12.983+/-19.270 χ^2/NDF : 31.6/35

All: -0.086+/-13.631 χ^2/NDF : 66.1/68

asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.099 $\pm$ 0.021 χ^2 /NDF: 409200.9/15

Left Out: 90.978 $\pm$ 0.018 χ^2 /NDF: 439860.0/17

Right Out: 79.393 $\pm$ 0.022 χ^2 /NDF: 385048.8/17

Left In: 90.799 $\pm$ 0.018 χ^2 /NDF: 486053.3/16

Left: 90.890 $\pm$ 0.013 χ^2 /NDF: 925964.3/34

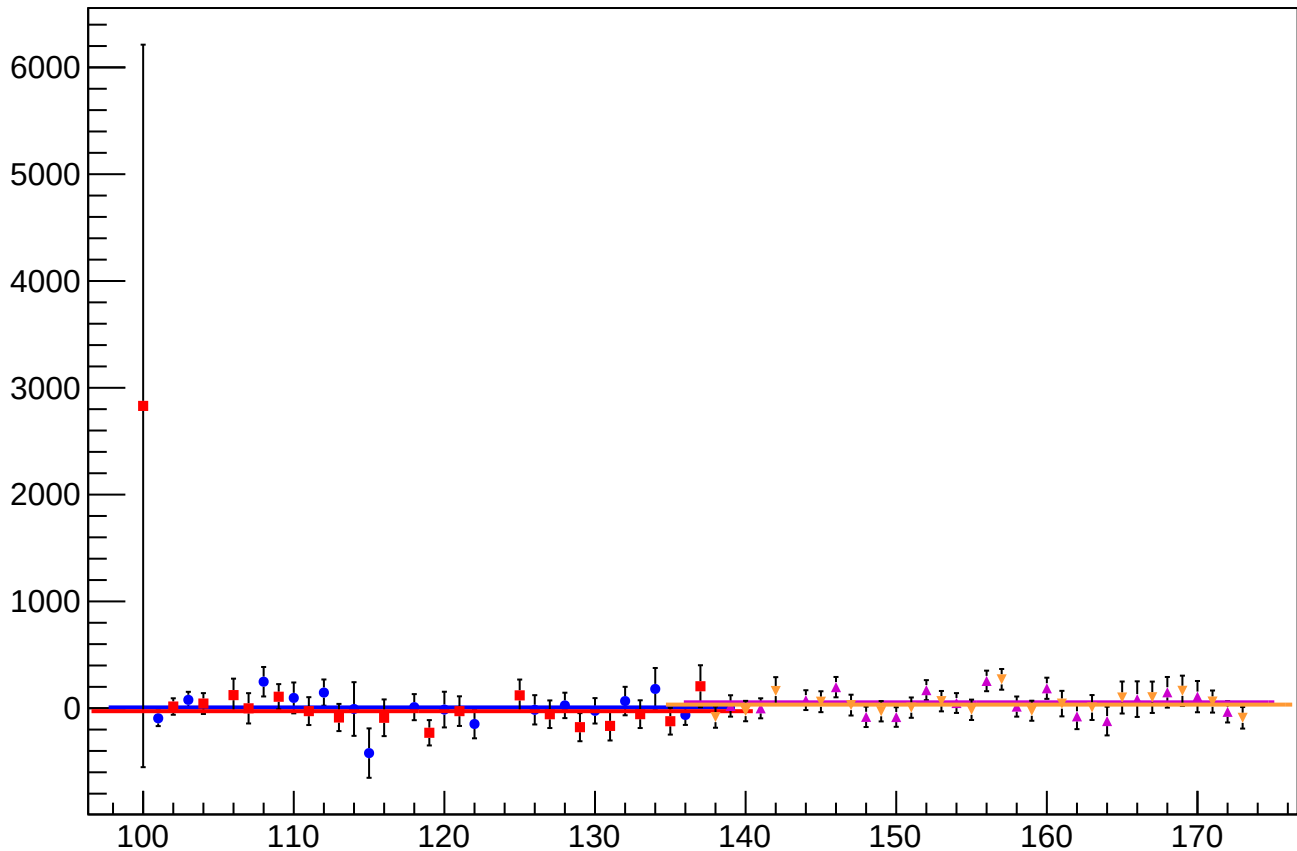
Right: 77.721 $\pm$ 0.015 χ^2 /NDF: 806127.4/33

In: 84.724 $\pm$ 0.014 χ^2 /NDF: 1177088.4/32

Out: 86.340 $\pm$ 0.014 χ^2 /NDF: 998447.2/35

All: 85.532 $\pm$ 0.010 χ^2 /NDF: 2182563.8/68

reg_asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 7.460 ± 29.969 χ^2/NDF : 13.9/15

Left Out: 33.816 ± 24.878 χ^2/NDF : 12.9/17

Right Out: -27.920 ± 30.428 χ^2/NDF : 12.5/17

Left In: 55.208 ± 25.170 χ^2/NDF : 19.1/16

Left: 44.388 ± 17.694 χ^2/NDF : 32.4/34

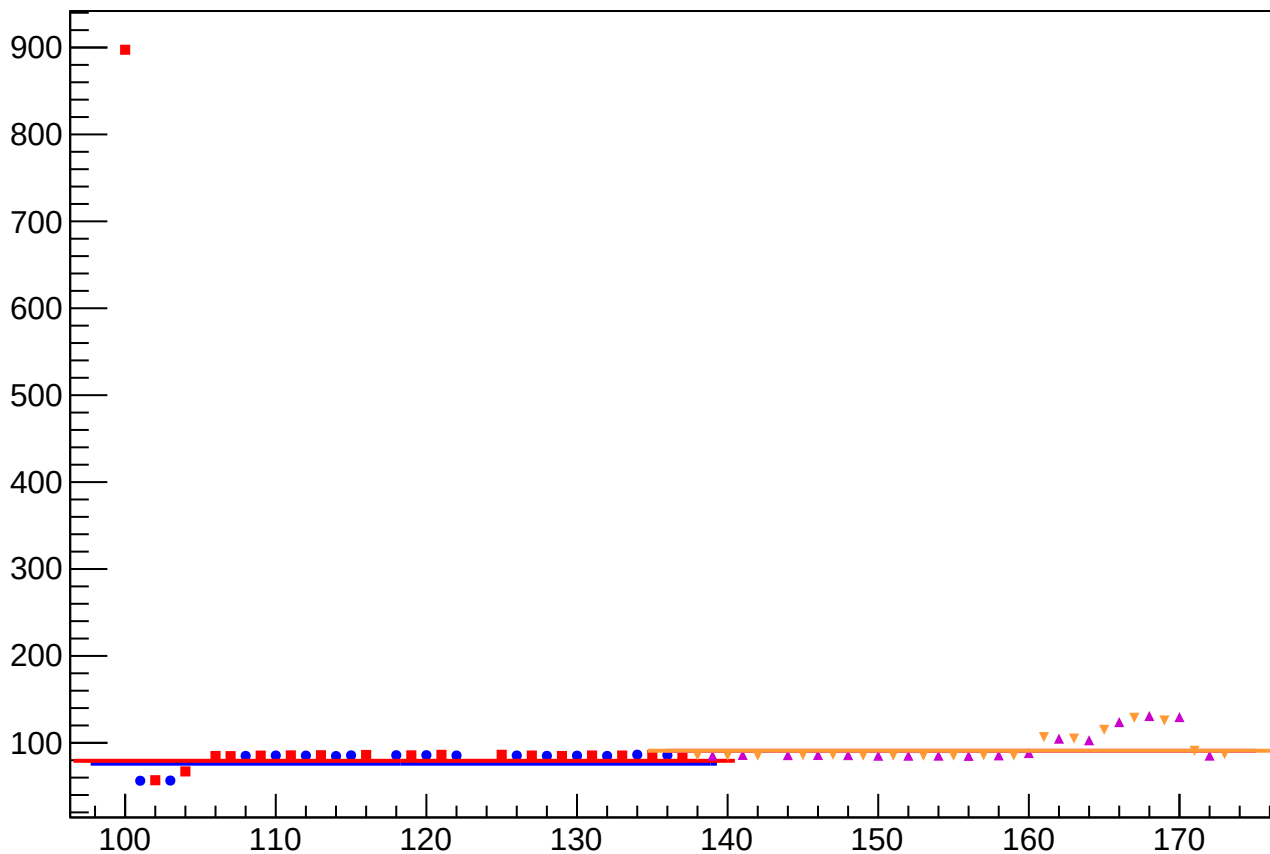
Right: -9.961 ± 21.352 χ^2/NDF : 27.1/33

In: 35.459 ± 19.274 χ^2/NDF : 34.5/32

Out: 9.081 ± 19.260 χ^2/NDF : 27.9/35

All: 22.260 ± 13.624 χ^2/NDF : 63.3/68

reg_asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.032 $\pm$ 0.021 χ^2 /NDF: 408917.7/15

Left Out: 90.953 $\pm$ 0.018 χ^2 /NDF: 438467.8/17

Right Out: 79.342 $\pm$ 0.022 χ^2 /NDF: 378371.9/17

Left In: 90.773 $\pm$ 0.018 χ^2 /NDF: 488860.4/16

Left: 90.864 $\pm$ 0.013 χ^2 /NDF: 927380.1/34

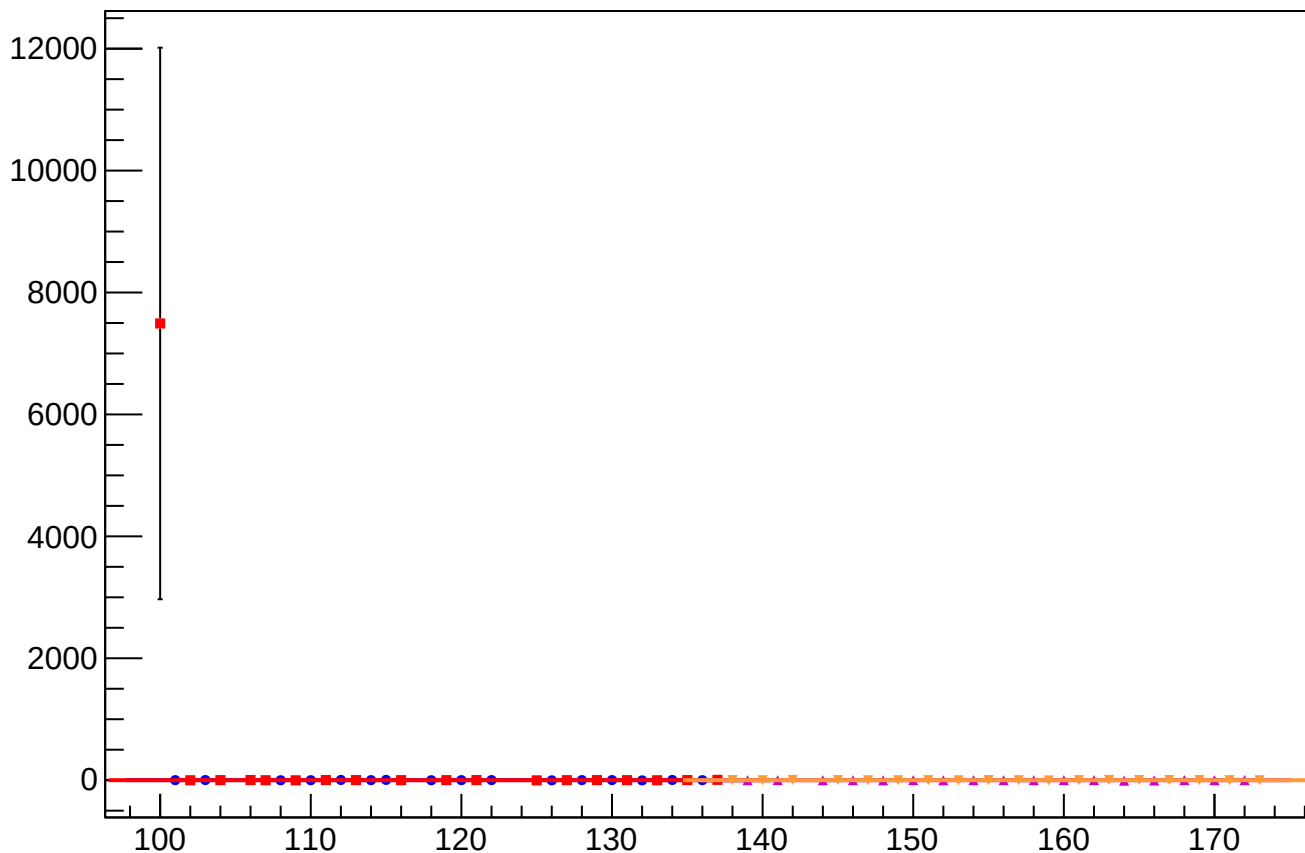
Right: 77.662 $\pm$ 0.015 χ^2 /NDF: 799302.8/33

In: 84.676 $\pm$ 0.014 χ^2 /NDF: 1181529.3/32

Out: 86.301 $\pm$ 0.014 χ^2 /NDF: 991396.8/35

All: 85.489 $\pm$ 0.010 χ^2 /NDF: 2180041.0/68

asym_ds_dd_correction_mean vs Slug, Sign Corrected



Right In: 0.911 ± 0.532 χ^2/NDF : 12.0/15

Left Out: -0.409 ± 0.441 χ^2/NDF : 16.9/17

Right Out: 0.314 ± 0.548 χ^2/NDF : 12.6/17

Left In: 0.146 ± 0.451 χ^2/NDF : 15.0/16

Left: -0.138 ± 0.315 χ^2/NDF : 32.6/34

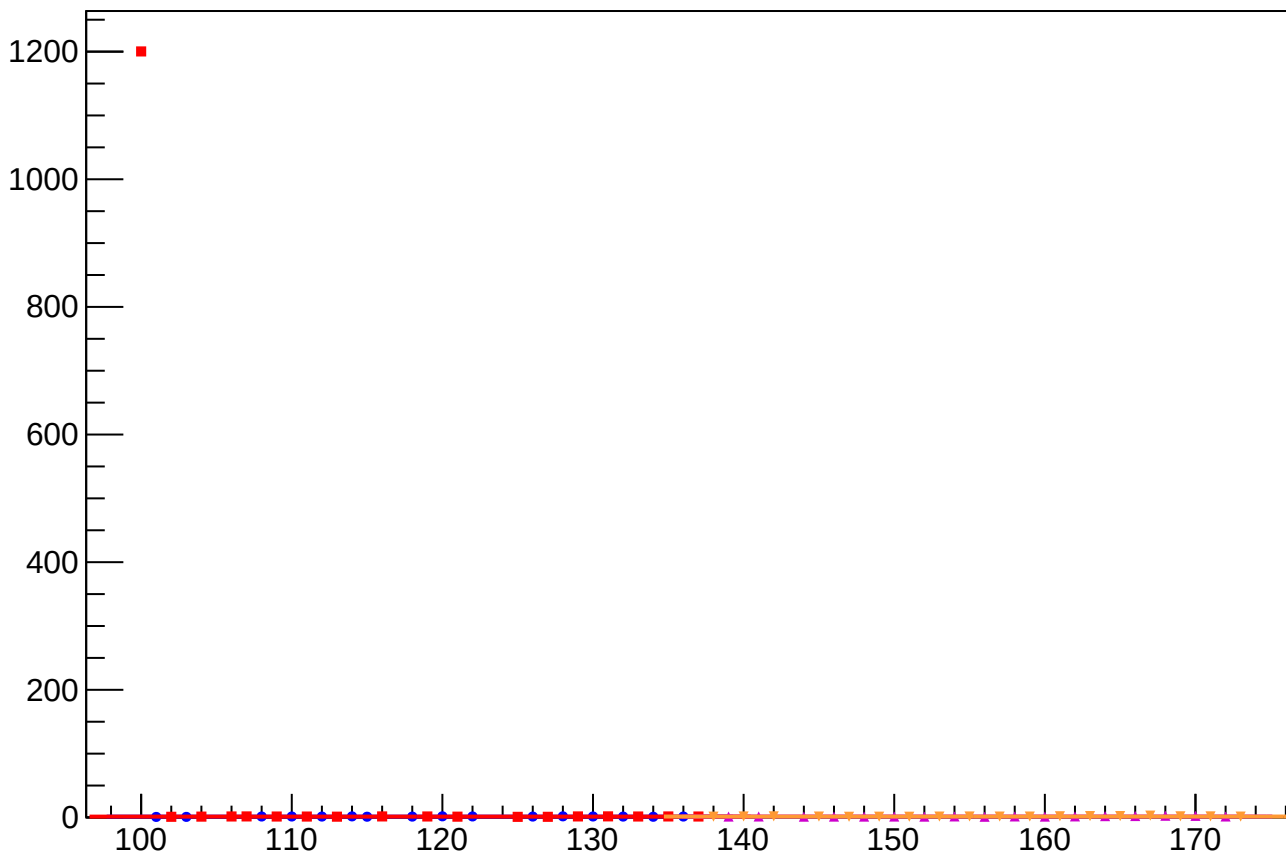
Right: 0.621 ± 0.382 χ^2/NDF : 25.2/33

In: 0.465 ± 0.344 χ^2/NDF : 28.2/32

Out: -0.126 ± 0.344 χ^2/NDF : 30.5/35

All: 0.170 ± 0.243 χ^2/NDF : 60.2/68

asym_ds_dd_correction_rms vs Slug, Sign Corrected



Right In: 1.238 $\pm$ 0.000 χ^2 /NDF: 657848.9/15

Left Out: 1.441 $\pm$ 0.000 χ^2 /NDF:1040875.3/17

Right Out: 1.317 $\pm$ 0.000 χ^2 /NDF: 521587.9/17

Left In: 1.463 $\pm$ 0.000 χ^2 /NDF:929296.0/16

Left: 1.452 $\pm$ 0.000 χ^2 /NDF: 1972663.3/34

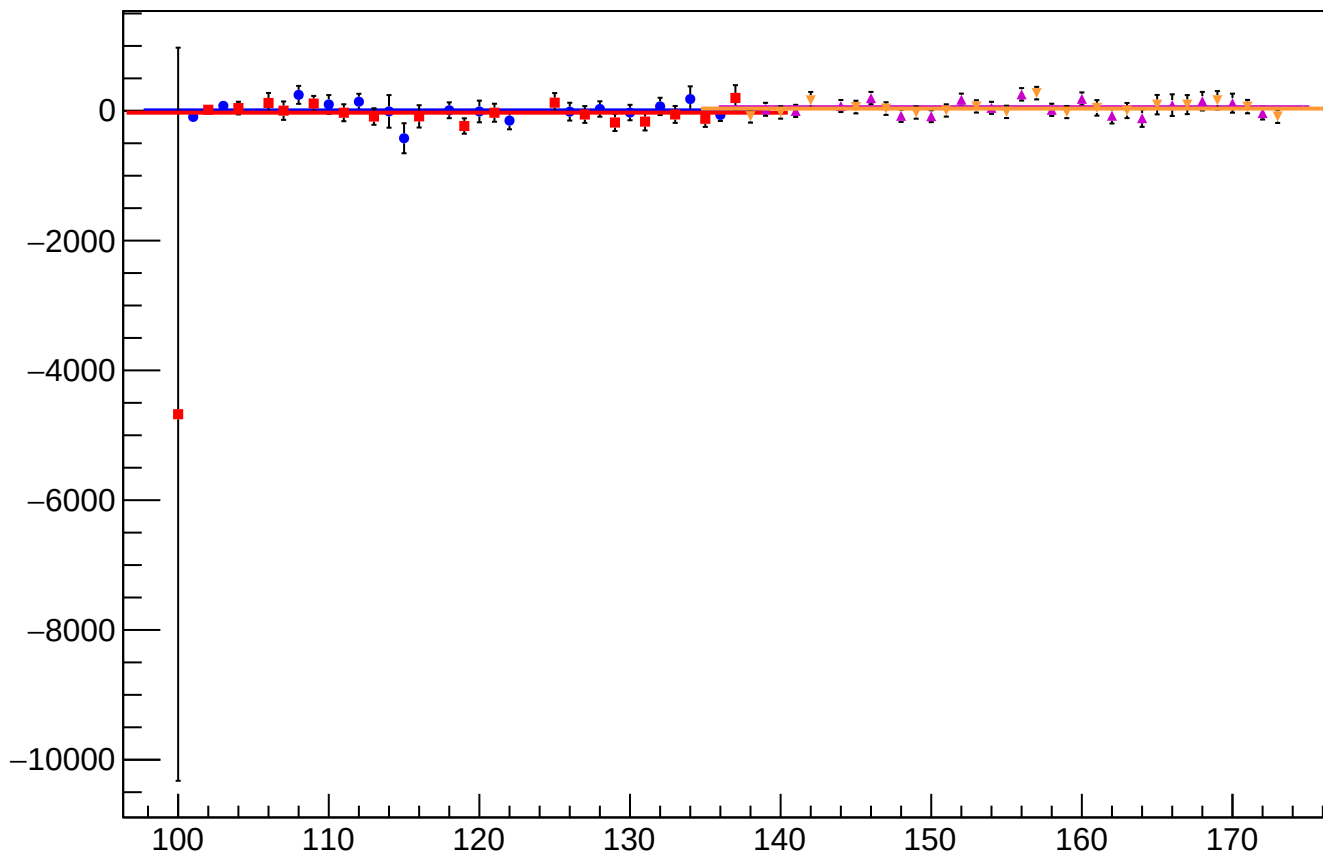
Right: 1.276 $\pm$ 0.000 χ^2 /NDF: 1201203.5/33

In: 1.369 $\pm$ 0.000 χ^2 /NDF:1795841.7/32

Out: 1.392 $\pm$ 0.000 χ^2 /NDF:1623927.0/35

All: 1.381 $\pm$ 0.000 χ^2 /NDF: 3424440.8/68

asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.781 ± 29.977 χ^2/NDF : 13.8/15

Left Out: 34.639 ± 24.886 χ^2/NDF : 12.8/17

Right Out: -28.551 ± 30.437 χ^2/NDF : 12.7/17

Left In: 55.778 ± 25.178 χ^2/NDF : 18.8/16

Left: 45.085 ± 17.699 χ^2/NDF : 31.9/34

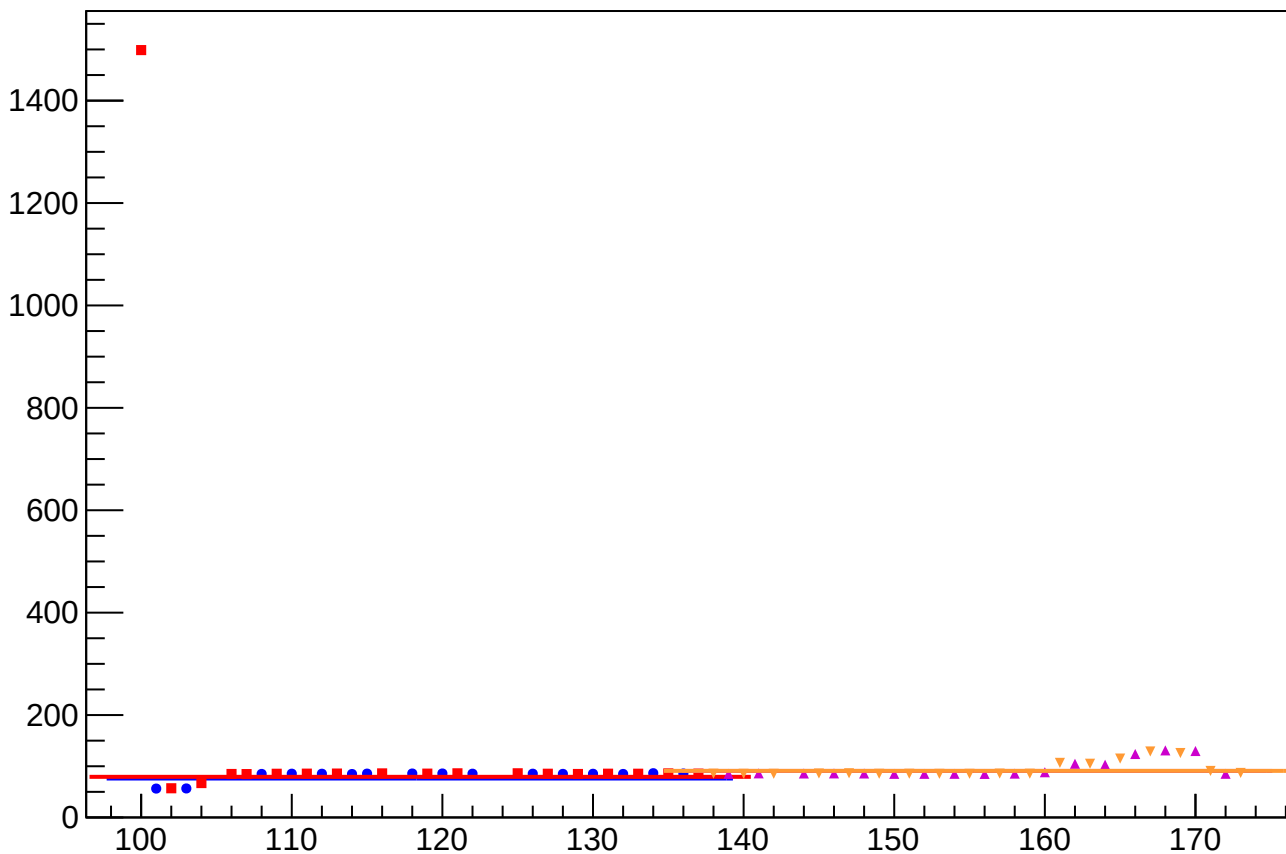
Right: -10.616 ± 21.358 χ^2/NDF : 27.2/33

In: 35.511 ± 19.280 χ^2/NDF : 34.2/32

Out: 9.321 ± 19.266 χ^2/NDF : 28.0/35

All: 22.406 ± 13.628 χ^2/NDF : 63.1/68

asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.052 $\pm$ 0.021 χ^2/NDF : 408962.1/15

Left Out: 90.980 $\pm$ 0.018 χ^2/NDF : 439212.3/17

Right Out: 79.338 $\pm$ 0.022 χ^2/NDF : 387631.3/17

Left In: 90.800 $\pm$ 0.018 χ^2/NDF : 489664.1/16

Left: 90.891 $\pm$ 0.013 χ^2/NDF : 928928.1/34

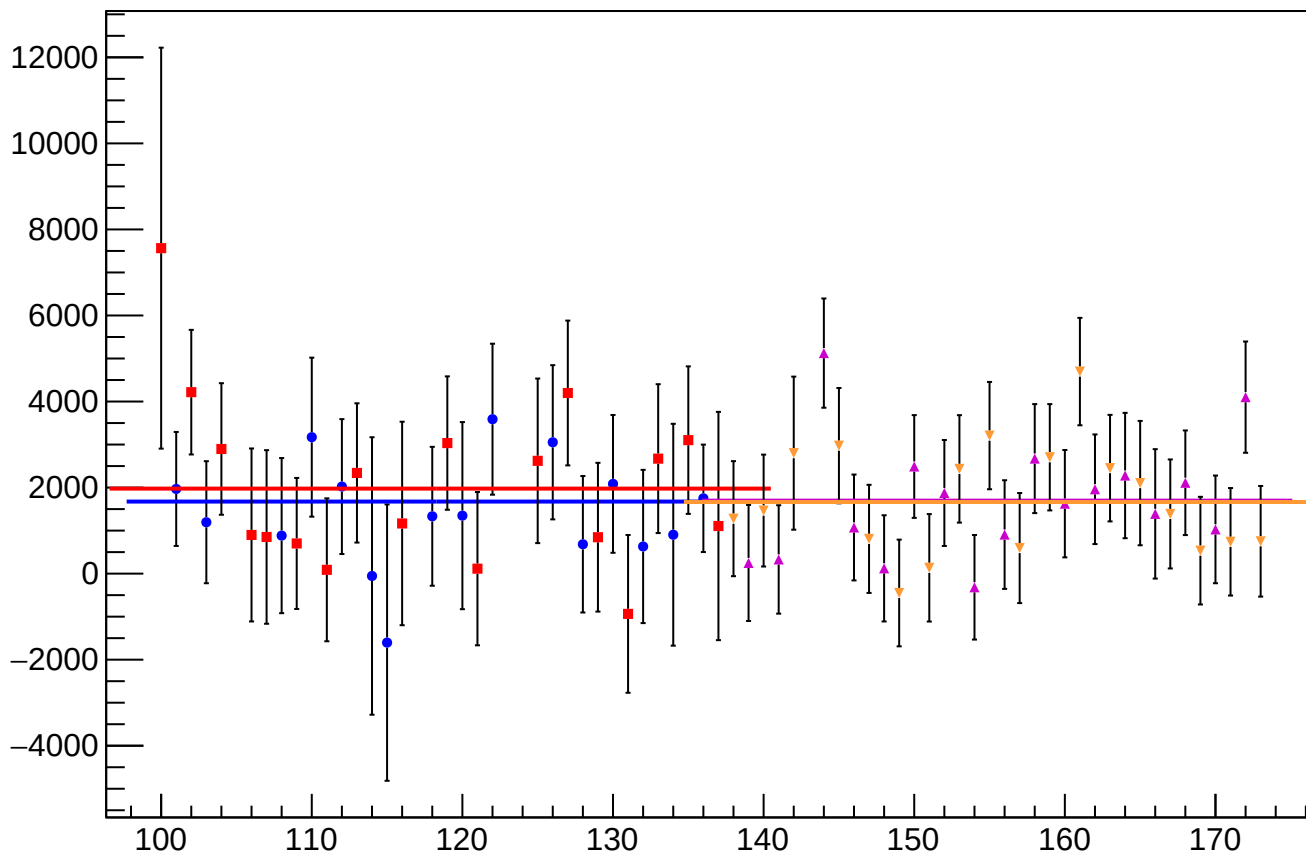
Right: 77.670 $\pm$ 0.015 χ^2/NDF : 808427.1/33

In: 84.700 $\pm$ 0.014 χ^2/NDF : 1182462.7/32

Out: 86.316 $\pm$ 0.014 χ^2/NDF : 1002207.4/35

All: 85.508 $\pm$ 0.010 χ^2/NDF : 2191699.7/68

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1674.993 $\pm$ 430.597 χ^2 /NDF: 5.1/15

Left Out: 1664.379 $\pm$ 304.578 χ^2 /NDF:18.0/17

Right Out: 1976.296 $\pm$ 422.405 χ^2 /NDF: 14.0/17

Left In: 1696.303 $\pm$ 308.755 χ^2 /NDF:19.8/16

Left: 1680.124 $\pm$ 216.831 χ^2 /NDF: 37.8/34

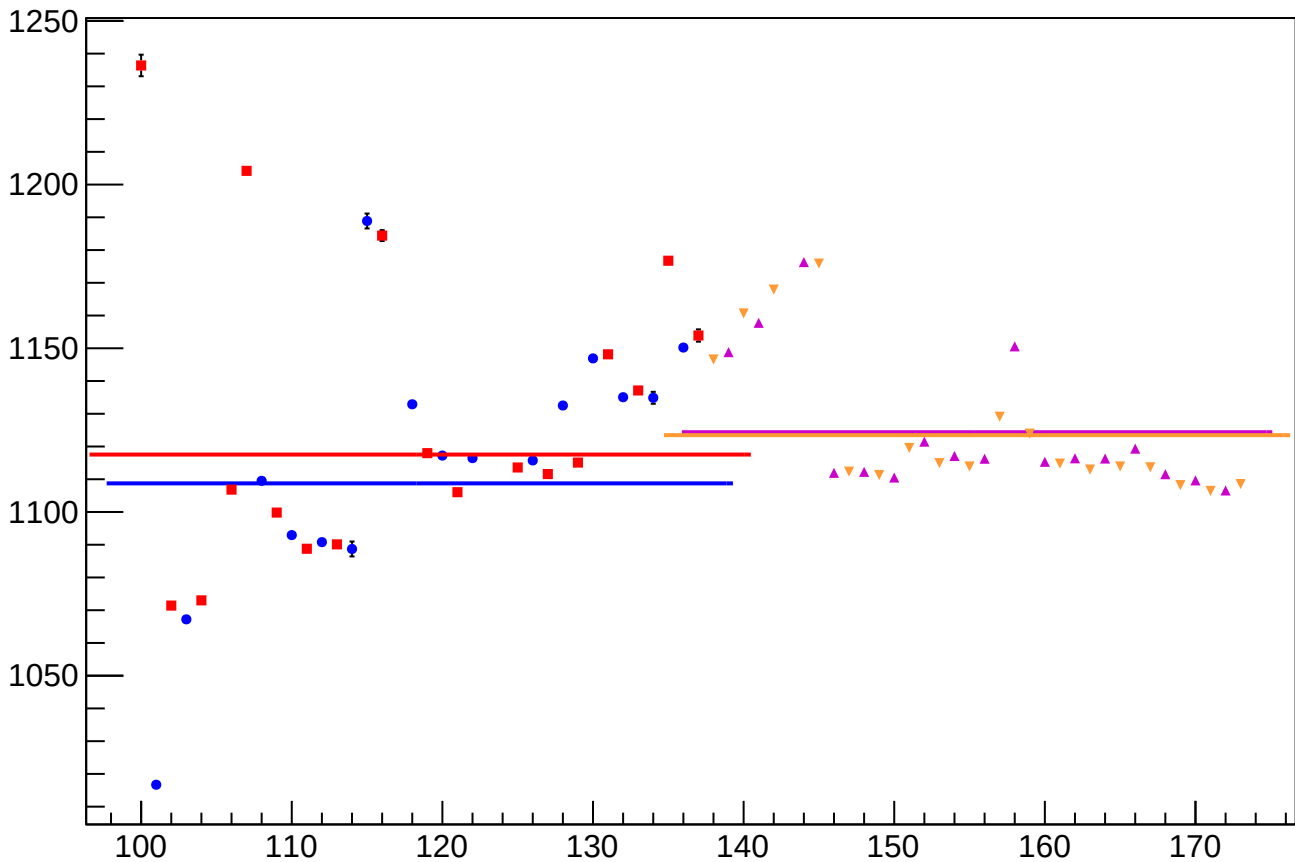
Right: 1828.538 $\pm$ 301.540 χ^2 /NDF: 19.4/33

In: 1689.067 $\pm$ 250.917 χ^2 /NDF:24.9/32

Out: 1771.077 $\pm$ 247.052 χ^2 /NDF:32.4/35

All: 1730.709 $\pm$ 176.043 χ^2 /NDF: 57.4/68

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1108.739 $\pm$ 0.304 χ^2 /NDF: 18080.7/15

Left Out: 1123.462 $\pm$ 0.215 χ^2 /NDF: 8546.1/17

Right Out: 1117.539 $\pm$ 0.299 χ^2 /NDF: 15515.2/17

Left In: 1124.361 $\pm$ 0.218 χ^2 /NDF: 8243.7/16

Left: 1123.905 $\pm$ 0.153 χ^2 /NDF: 16798.4/34

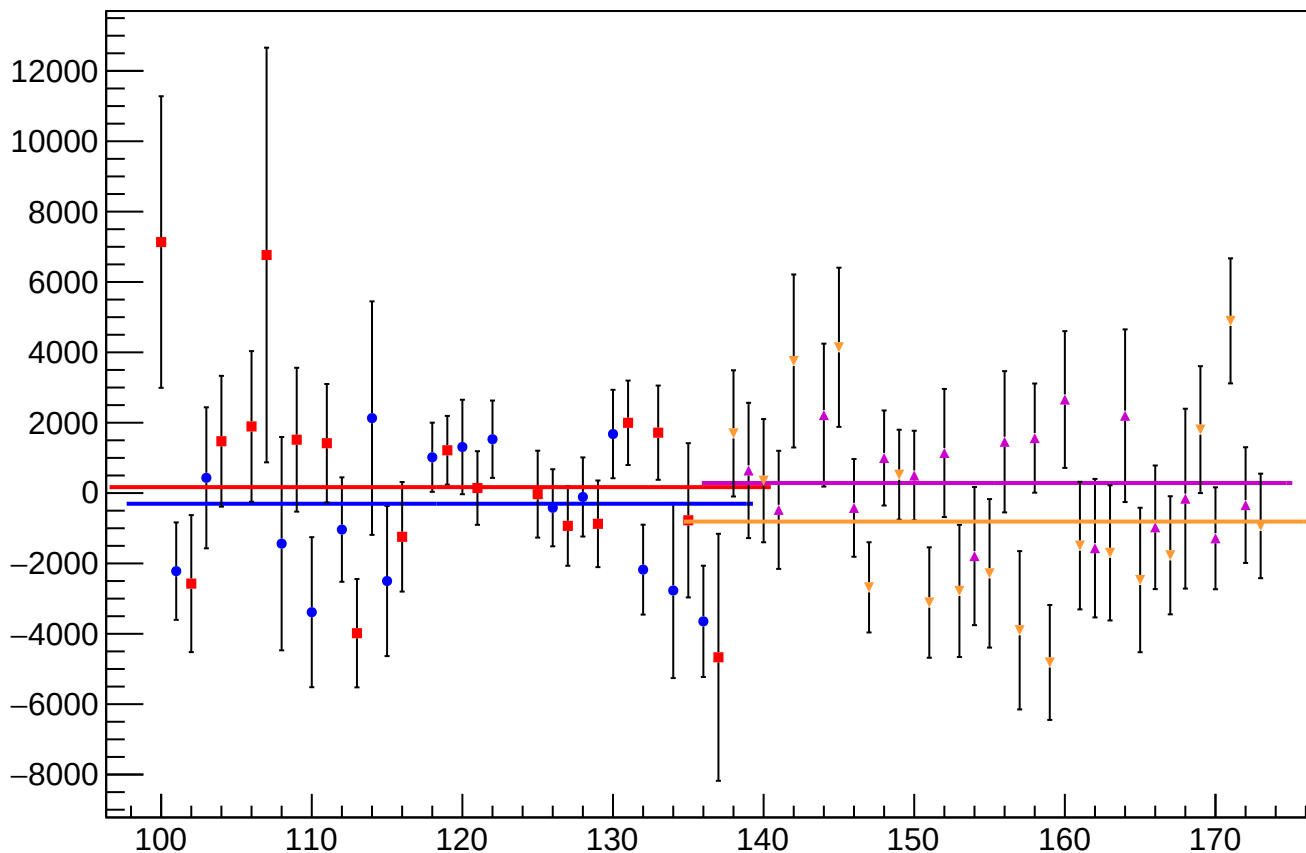
Right: 1113.224 $\pm$ 0.213 χ^2 /NDF: 34021.5/33

In: 1119.056 $\pm$ 0.177 χ^2 /NDF: 28062.9/32

Out: 1121.436 $\pm$ 0.175 χ^2 /NDF: 24320.0/35

All: 1120.265 $\pm$ 0.124 χ^2 /NDF: 52474.2/68

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -303.335+/-360.068 χ^2/NDF : 22.3/15

Left Out: -810.169+/-410.019 χ^2/NDF : 39.2/17

Right Out: 168.849+/-356.237 χ^2/NDF : 24.9/17

Left In: 286.283+/-415.680 χ^2/NDF : 8.9/16

Left: -269.459+/-291.908 χ^2/NDF : 51.7/34

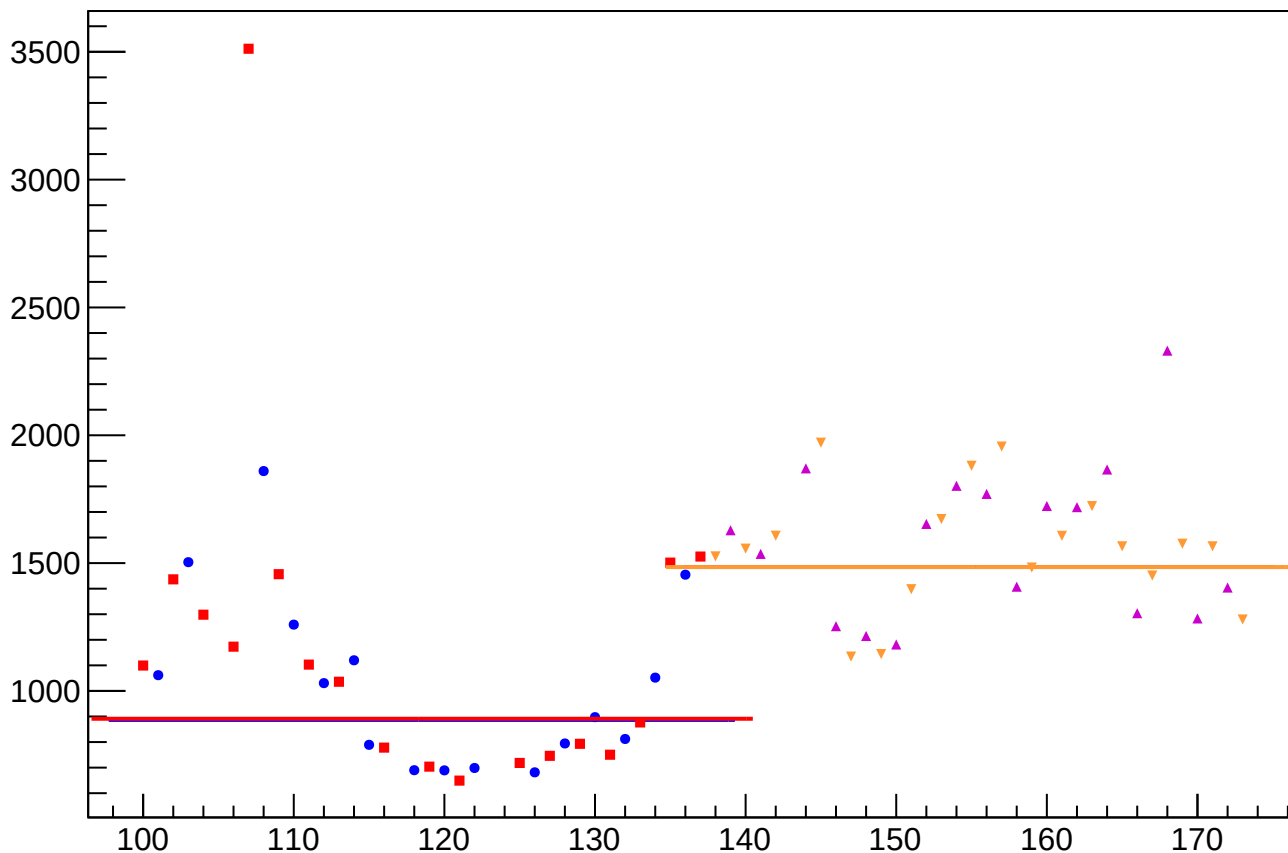
Right: -64.717+/-253.241 χ^2/NDF : 48.0/33

In: -50.578+/-272.161 χ^2/NDF : 32.3/32

Out: -252.281+/-268.916 χ^2/NDF : 67.3/35

All: -152.639+/-191.289 χ^2/NDF : 100.0/68

asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 886.691+/-0.255 χ^2/NDF : 1060864.2/15

Left Out: 1484.533+/-0.290 χ^2/NDF : 668562.5/17

Right Out: 891.197+/-0.252 χ^2/NDF : 1414187.9/17

Left In: 1484.781+/-0.294 χ^2/NDF : 839449.6/16

Left: 1484.655+/-0.206 χ^2/NDF : 1508012.4/34

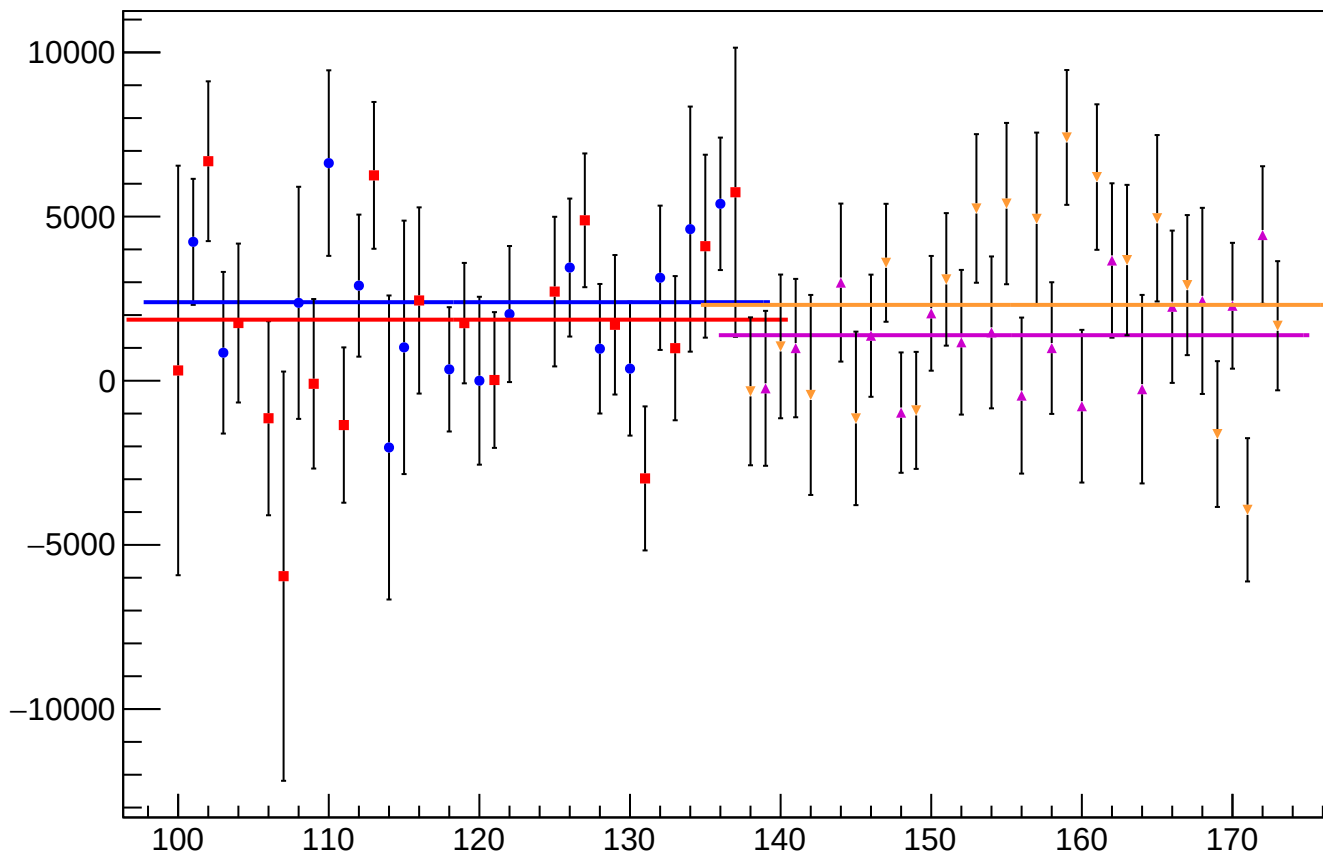
Right: 888.968+/-0.179 χ^2/NDF : 2475210.4/33

In: 1143.079+/-0.192 χ^2/NDF : 4265828.3/32

Out: 1146.423+/-0.190 χ^2/NDF : 4469350.9/35

All: 1144.772+/-0.135 χ^2/NDF : 8735332.1/68

asym_usl_mean vs Slug, Sign Corrected



Right In: 2392.385 $\pm$ 588.991 χ^2 /NDF: 11.2/15

Left Out: 2310.274 $\pm$ 519.086 χ^2 /NDF:34.6/17

Right Out: 1859.867 $\pm$ 583.119 χ^2 /NDF: 22.5/17

Left In: 1386.921 $\pm$ 526.484 χ^2 /NDF:8.1/16

Left: 1855.131 $\pm$ 369.637 χ^2 /NDF: 44.3/34

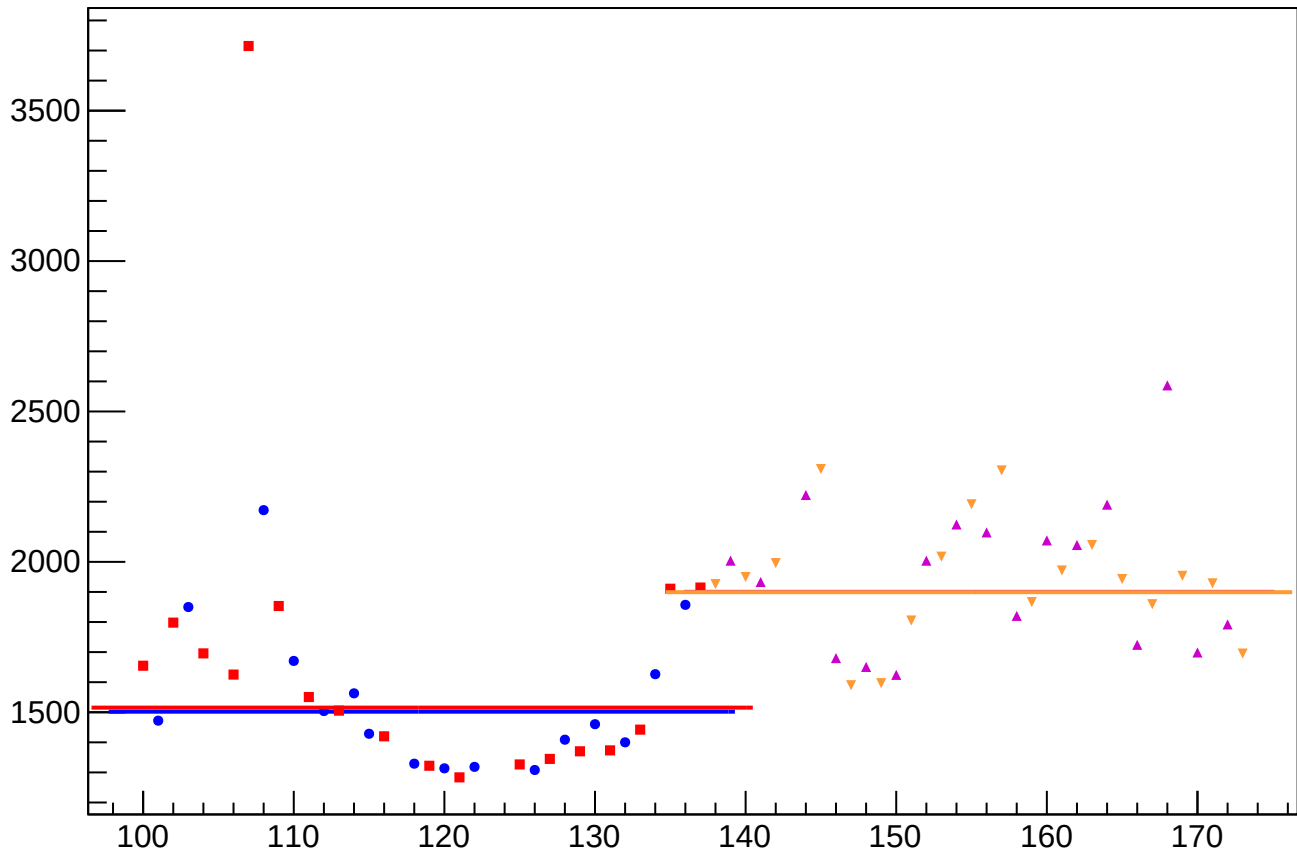
Right: 2123.458 $\pm$ 414.388 χ^2 /NDF: 34.1/33

In: 1833.487 $\pm$ 392.526 χ^2 /NDF:20.9/32

Out: 2111.149 $\pm$ 387.719 χ^2 /NDF:57.4/35

All: 1974.028 $\pm$ 275.843 χ^2 /NDF: 78.6/68

asym_usl_rms vs Slug, Sign Corrected



Right In: 1501.937+/-0.416 χ^2/NDF : 254549.7/15

Left Out: 1899.212+/-0.367 χ^2/NDF : 290339.9/17

Right Out: 1515.406+/-0.412 χ^2/NDF : 479759.9/17

Left In: 1900.320+/-0.372 χ^2/NDF : 391599.9/16

Left: 1899.758+/-0.261 χ^2/NDF : 681944.2/34

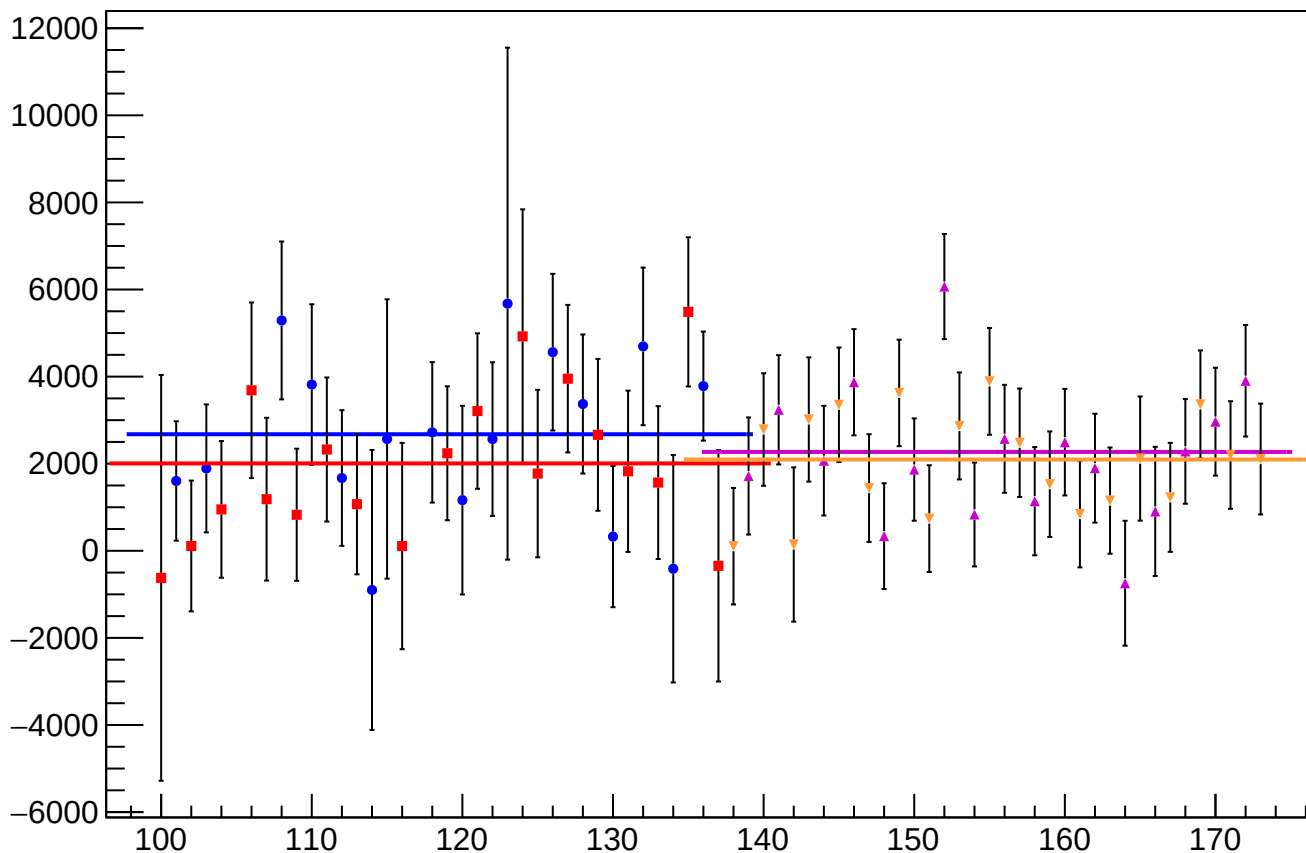
Right: 1508.739+/-0.293 χ^2/NDF : 734837.7/33

In: 1723.382+/-0.278 χ^2/NDF : 1154755.5/32

Out: 1729.531+/-0.274 χ^2/NDF : 1253487.8/35

All: 1726.495+/-0.195 χ^2/NDF : 2408491.7/68

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2676.683 $\pm$ 433.582 χ^2/NDF : 12.6/16

Left Out: 2096.148 $\pm$ 293.820 χ^2/NDF : 14.1/18

Right Out: 2006.577 $\pm$ 419.165 χ^2/NDF : 12.8/18

Left In: 2270.092 $\pm$ 304.513 χ^2/NDF : 24.7/16

Left: 2180.012 $\pm$ 211.442 χ^2/NDF : 39.0/35

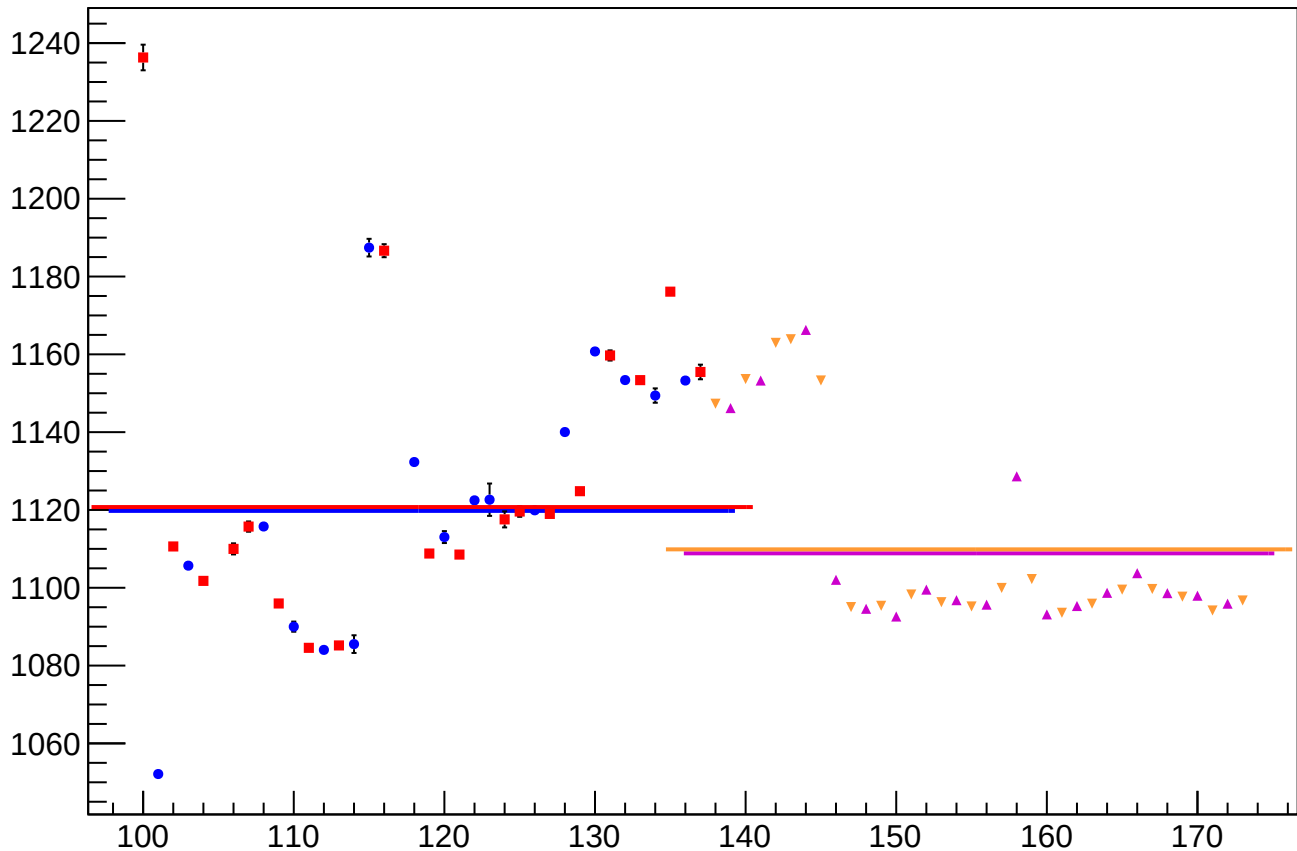
Right: 2330.304 $\pm$ 301.362 χ^2/NDF : 26.6/35

In: 2404.398 $\pm$ 249.195 χ^2/NDF : 37.9/33

Out: 2066.637 $\pm$ 240.598 χ^2/NDF : 27.0/37

All: 2229.590 $\pm$ 173.088 χ^2/NDF : 65.8/71

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1119.762 $\pm$ 0.307 χ^2 /NDF: 11876.8/16

Left Out: 1109.874 $\pm$ 0.208 χ^2 /NDF:13773.7/18

Right Out: 1120.746 $\pm$ 0.296 χ^2 /NDF: 9934.2/18

Left In: 1108.852 $\pm$ 0.215 χ^2 /NDF:11177.5/16

Left: 1109.381 $\pm$ 0.150 χ^2 /NDF: 24962.9/35

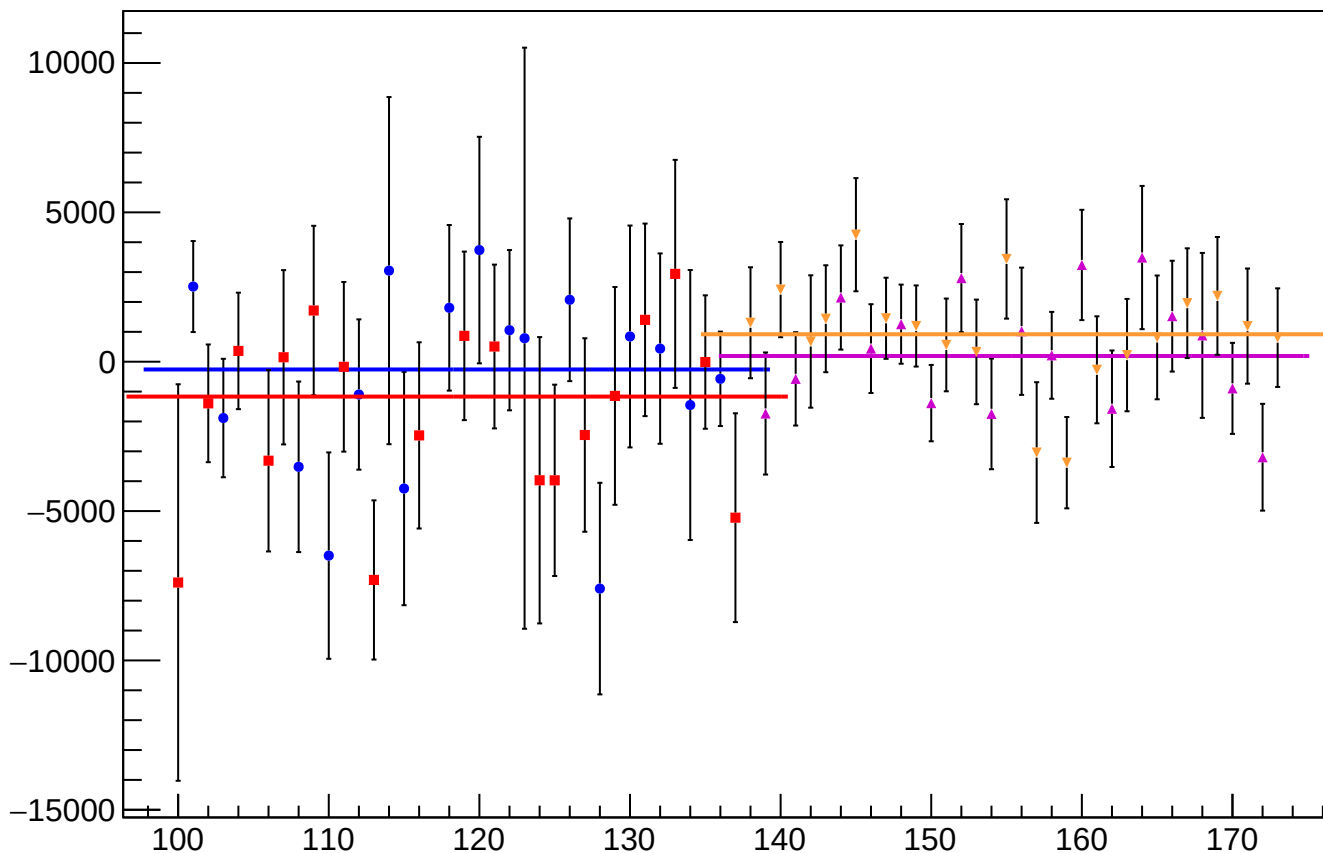
Right: 1120.271 $\pm$ 0.213 χ^2 /NDF: 21816.3/35

In: 1112.456 $\pm$ 0.176 χ^2 /NDF:23902.3/33

Out: 1113.456 $\pm$ 0.170 χ^2 /NDF:24610.2/37

All: 1112.973 $\pm$ 0.122 χ^2 /NDF: 48529.2/71

asym_usr_correction_mean vs Slug, Sign Corrected



Right In: -259.821+/-655.275 χ^2/NDF : 17.2/16

Left Out: 918.667+/-402.270 χ^2/NDF : 18.2/18

Right Out: -1167.598+/-662.428 χ^2/NDF : 14.4/18

Left In: 191.540+/-415.311 χ^2/NDF : 18.0/16

Left: 566.699+/-288.949 χ^2/NDF : 37.8/35

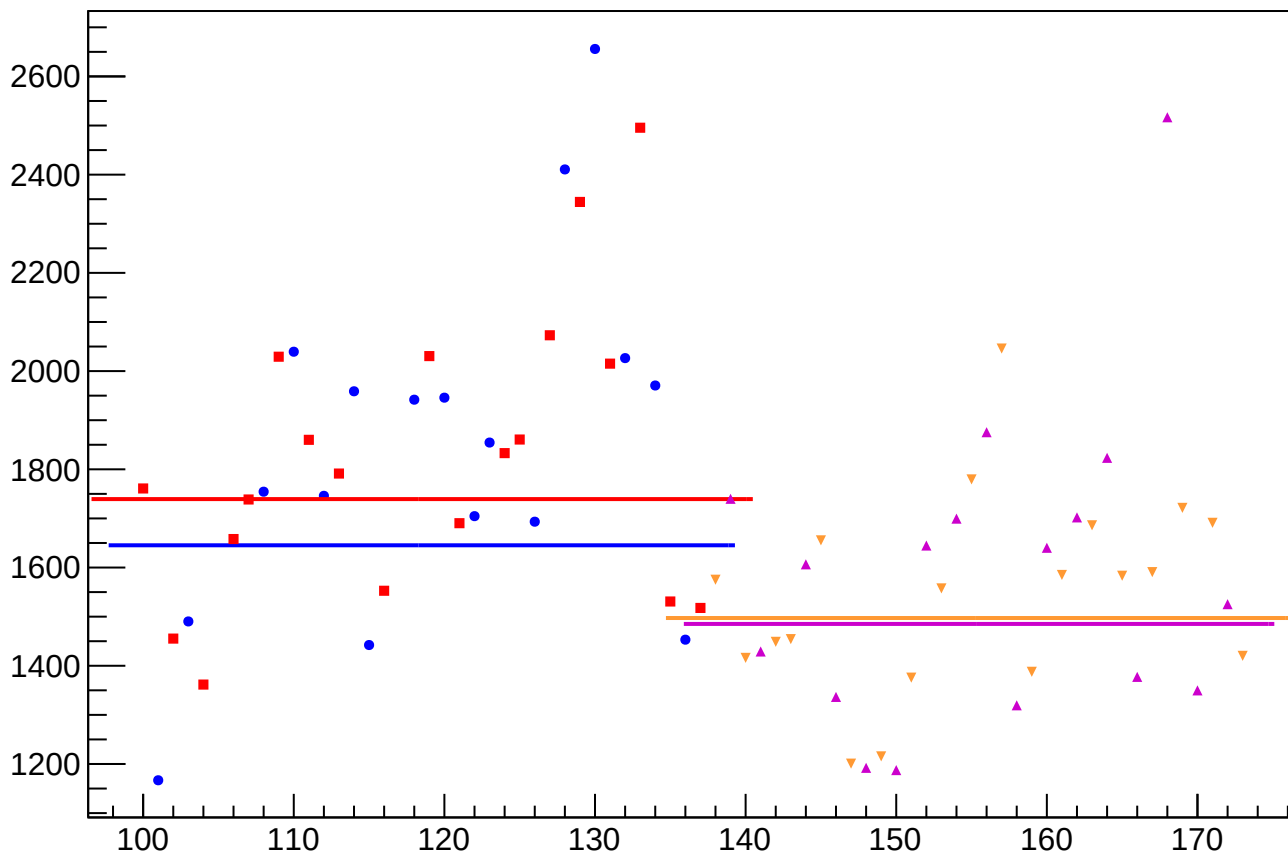
Right: -708.782+/-465.858 χ^2/NDF : 32.6/35

In: 62.189+/-350.790 χ^2/NDF : 35.6/33

Out: 356.589+/-343.837 χ^2/NDF : 39.8/37

All: 212.336+/-245.551 χ^2/NDF : 75.7/71

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 1645.307 $\pm$ 0.463 χ^2/NDF : 600915.2/16

Left Out: 1497.223 $\pm$ 0.284 χ^2/NDF : 463565.4/18

Right Out: 1739.382 $\pm$ 0.468 χ^2/NDF : 371012.9/18

Left In: 1485.184 $\pm$ 0.294 χ^2/NDF : 786421.5/16

Left: 1491.395 $\pm$ 0.204 χ^2/NDF : 1250854.0/35

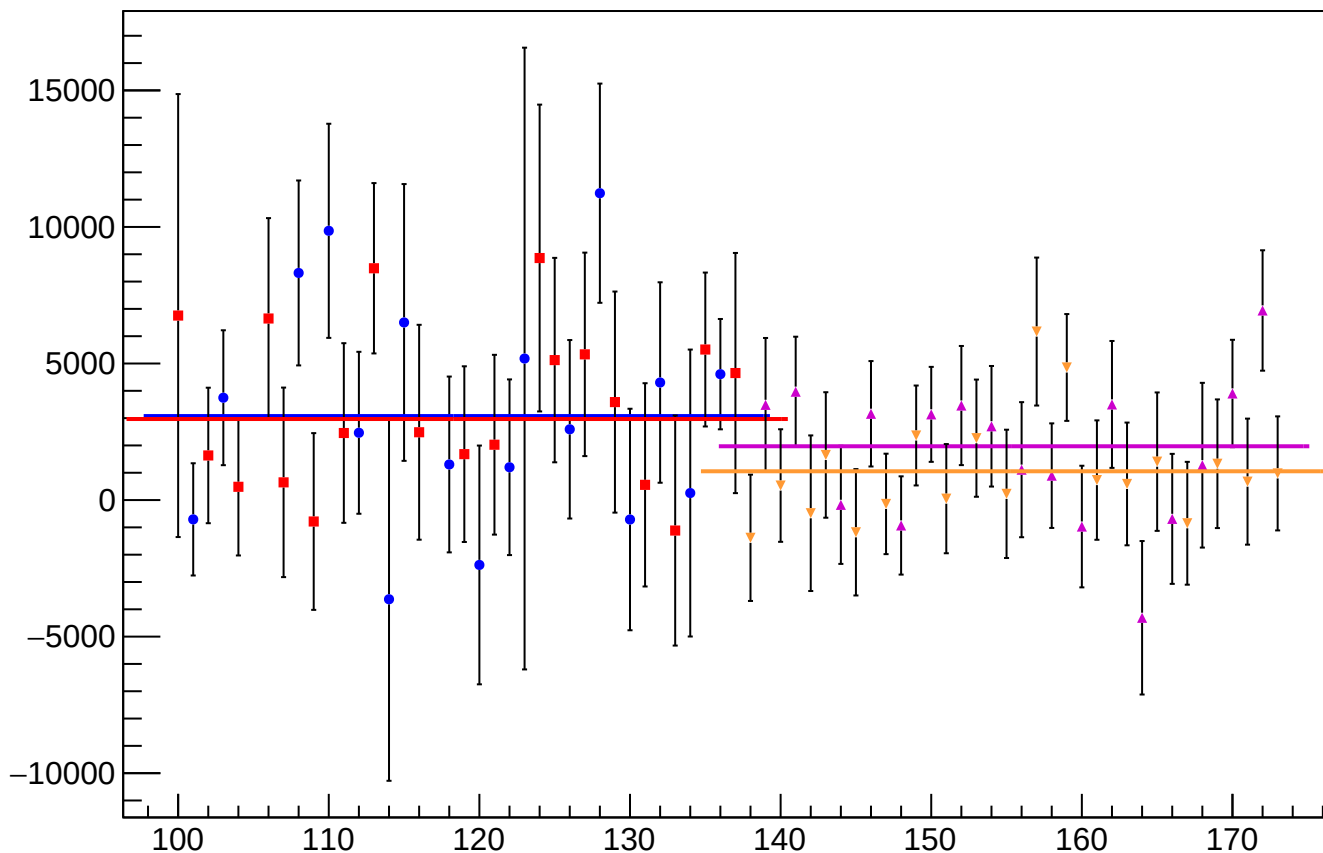
Right: 1691.833 $\pm$ 0.329 χ^2/NDF : 992315.5/35

In: 1531.072 $\pm$ 0.248 χ^2/NDF : 1472535.3/33

Out: 1562.465 $\pm$ 0.243 χ^2/NDF : 1029841.9/37

All: 1547.083 $\pm$ 0.174 χ^2/NDF : 2510546.4/71

asym_usr_mean vs Slug, Sign Corrected



Right In: 3075.401+/-802.249 χ^2/NDF : 18.6/16

Left Out: 1054.091+/-505.015 χ^2/NDF :12.3/18

Right Out: 2967.536+/-795.639 χ^2/NDF : 11.9/18

Left In: 1969.929+/-523.293 χ^2/NDF :21.3/16

Left: 1495.736+/-363.389 χ^2/NDF : 35.2/35

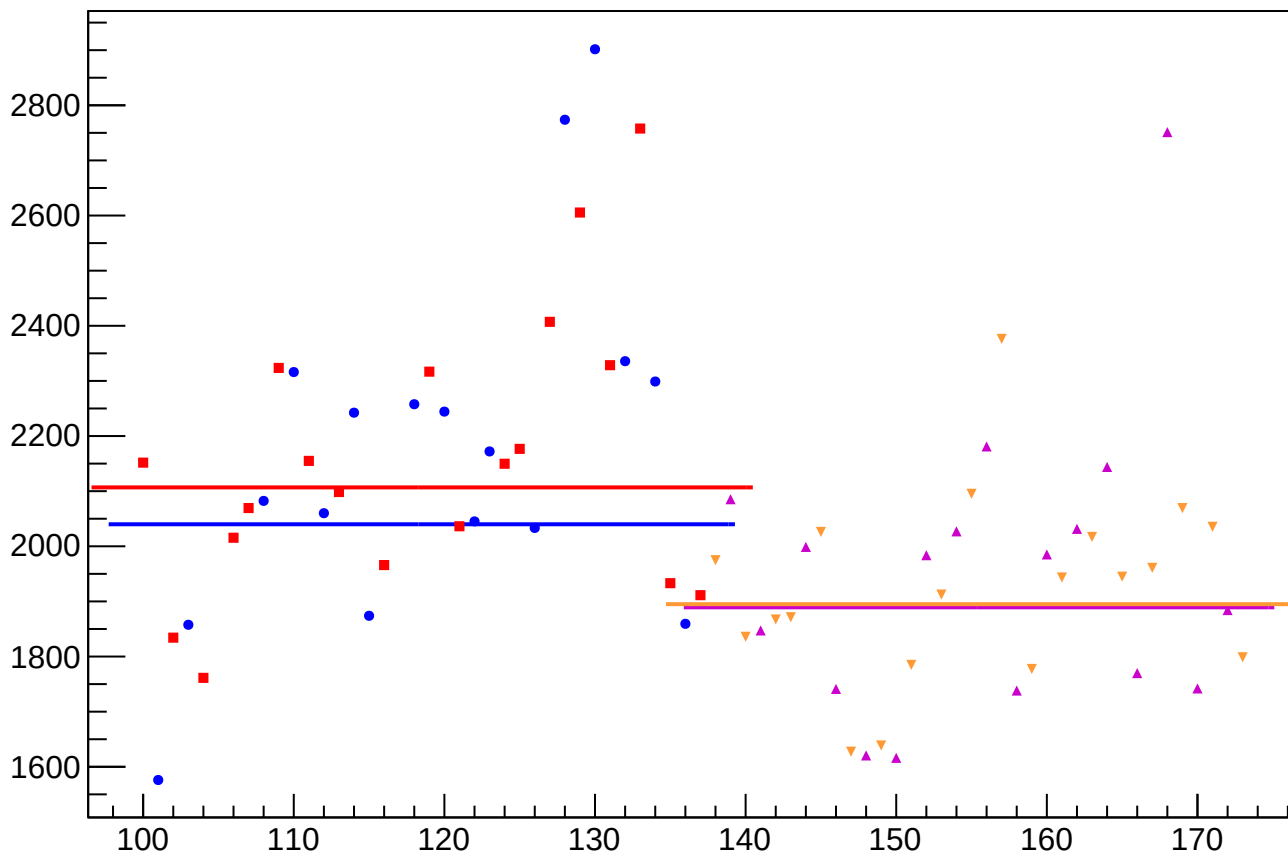
Right: 3021.022+/-564.924 χ^2/NDF : 30.5/35

In: 2299.888+/-438.294 χ^2/NDF :41.3/33

Out: 1603.597+/-426.377 χ^2/NDF :28.3/37

All: 1942.148+/-305.620 χ^2/NDF : 70.8/71

asym_usr_rms vs Slug, Sign Corrected



Right In: 2039.942 $\pm$ 0.567 χ^2 /NDF: 331984.0/16

Left Out: 1894.995 $\pm$ 0.357 χ^2 /NDF:215516.8/18

Right Out: 2106.832 $\pm$ 0.563 χ^2 /NDF: 195448.9/18

Left In: 1889.289 $\pm$ 0.370 χ^2 /NDF:383673.6/16

Left: 1892.243 $\pm$ 0.257 χ^2 /NDF: 599313.6/35

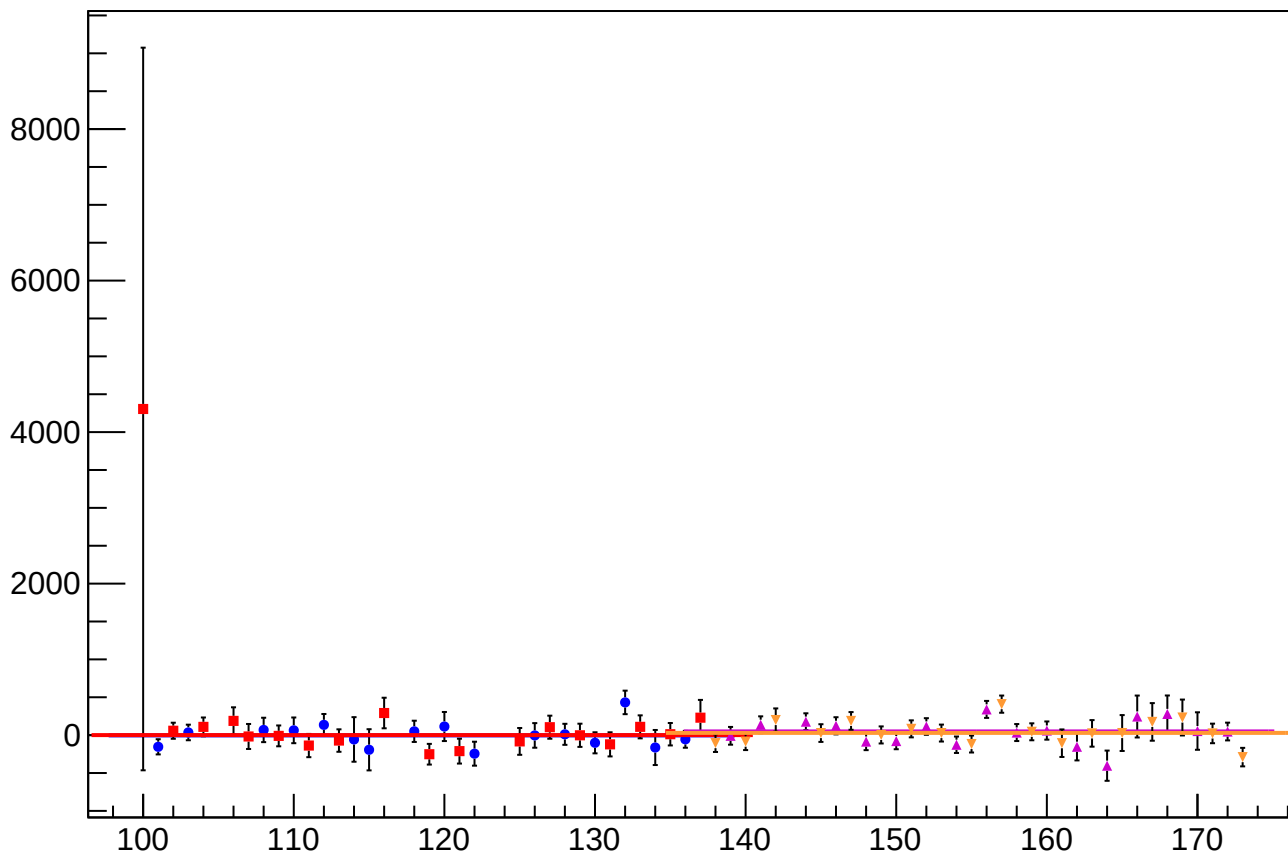
Right: 2073.664 $\pm$ 0.399 χ^2 /NDF: 534442.4/35

In: 1934.255 $\pm$ 0.310 χ^2 /NDF:765135.4/33

Out: 1955.831 $\pm$ 0.301 χ^2 /NDF:512026.1/37

All: 1945.340 $\pm$ 0.216 χ^2 /NDF: 1279651.4/71

reg_asym_dsl_mean vs Slug, Sign Corrected



Right In: -3.283 $\pm$ 36.714 χ^2/NDF : 16.1/15

Left Out: 29.664 $\pm$ 30.709 χ^2/NDF : 27.1/17

Right Out: 0.487 $\pm$ 36.699 χ^2/NDF : 14.0/17

Left In: 48.930 $\pm$ 30.866 χ^2/NDF : 23.0/16

Left: 39.248 $\pm$ 21.770 χ^2/NDF : 50.3/34

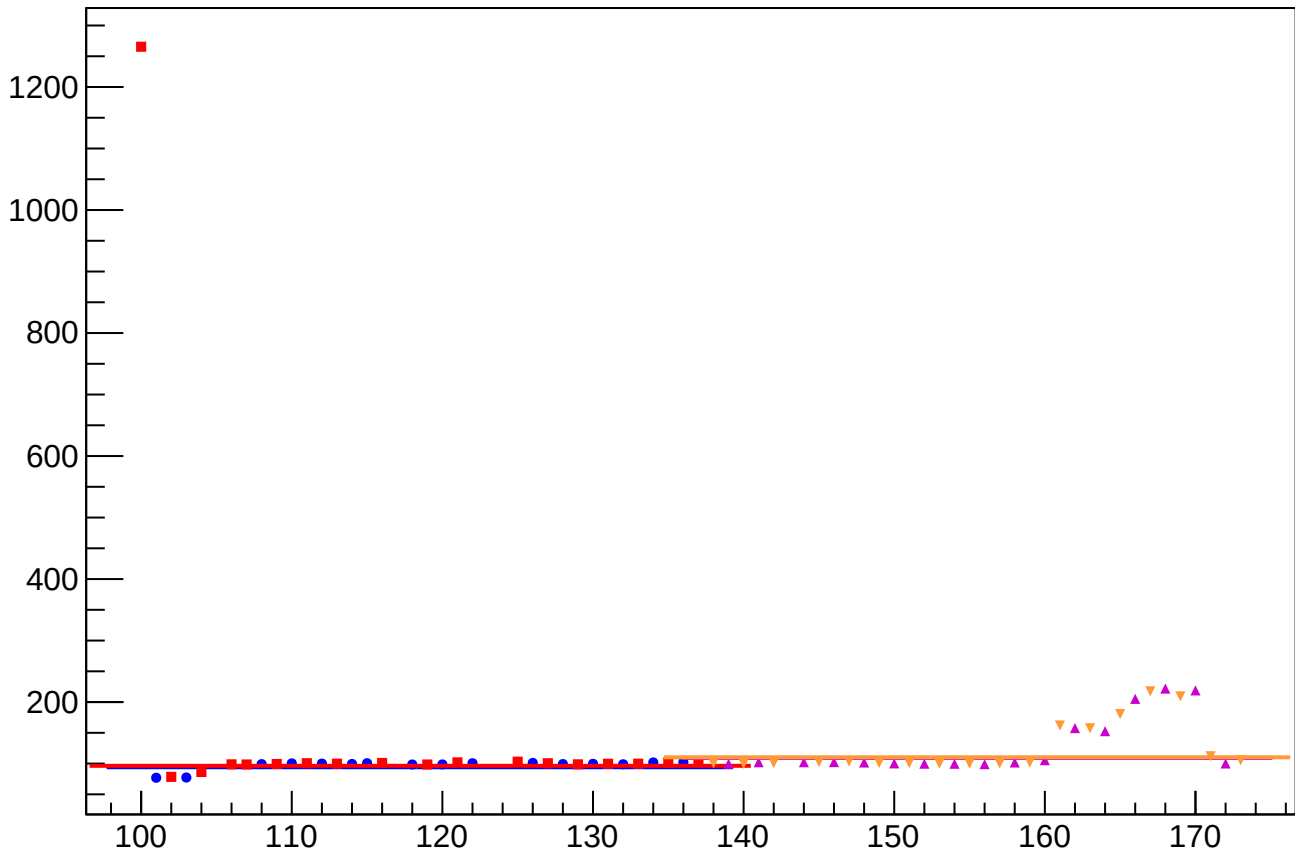
Right: -1.397 $\pm$ 25.955 χ^2/NDF : 30.1/33

In: 27.308 $\pm$ 23.626 χ^2/NDF : 40.3/32

Out: 17.648 $\pm$ 23.551 χ^2/NDF : 41.5/35

All: 22.463 $\pm$ 16.679 χ^2/NDF : 81.9/68

reg_asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.068+/-0.026 χ^2/NDF : 152285.6/15

Left Out: 110.174+/-0.022 χ^2/NDF : 1354761.9/17

Right Out: 96.372+/-0.026 χ^2/NDF : 209228.5/17

Left In: 109.165+/-0.022 χ^2/NDF : 1429925.2/16

Left: 109.672+/-0.015 χ^2/NDF : 2785760.2/34

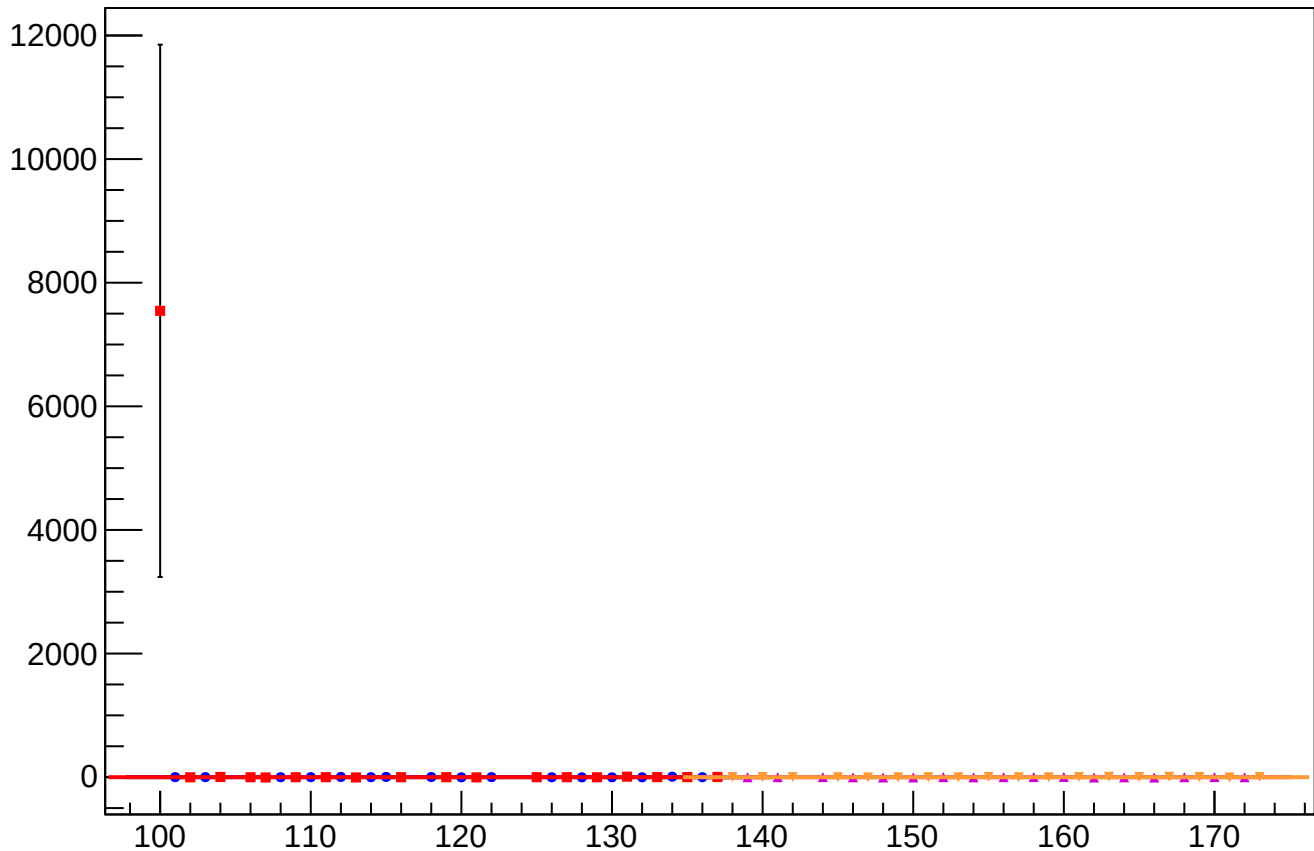
Right: 95.221+/-0.018 χ^2/NDF : 365453.7/33

In: 102.914+/-0.017 χ^2/NDF : 1780352.2/32

Out: 104.490+/-0.017 χ^2/NDF : 1730368.2/35

All: 103.704+/-0.012 χ^2/NDF : 3515185.8/68

asym_dsl_correction_mean vs Slug, Sign Corrected



Right In: 0.426+/-0.616 χ^2/NDF : 9.7/15

Left Out: -0.405+/-0.543 χ^2/NDF : 26.8/17

Right Out: -0.313+/-0.643 χ^2/NDF : 22.8/17

Left In: -0.096+/-0.565 χ^2/NDF : 21.1/16

Left: -0.257+/-0.391 χ^2/NDF : 48.0/34

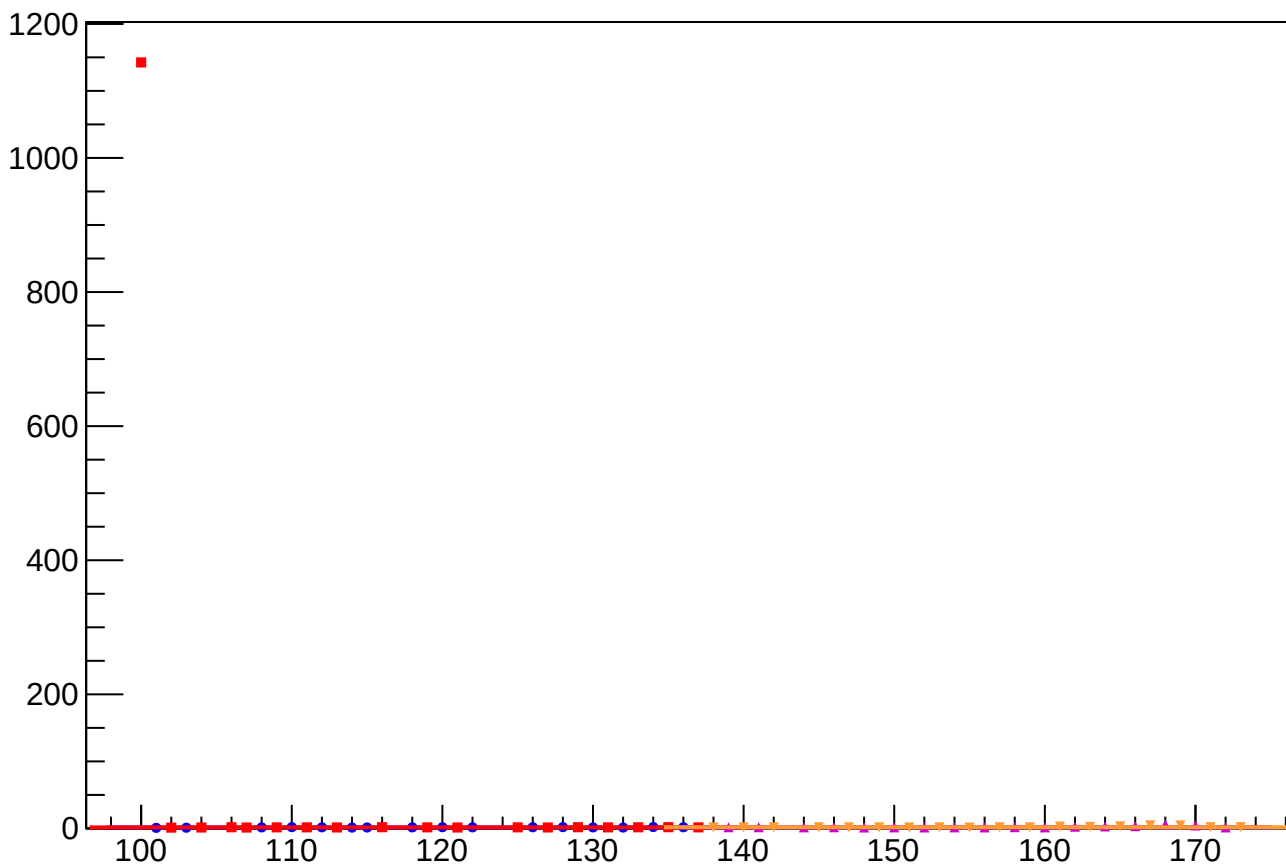
Right: 0.073+/-0.445 χ^2/NDF : 33.2/33

In: 0.143+/-0.416 χ^2/NDF : 31.2/32

Out: -0.367+/-0.415 χ^2/NDF : 49.6/35

All: -0.113+/-0.294 χ^2/NDF : 81.5/68

asym_dsl_correction_rms vs Slug, Sign Corrected



Right In: 1.420+/-0.000 χ^2/NDF : 730935.2/15

Left Out: 1.750+/-0.000 χ^2/NDF :1481318.3/17

Right Out: 1.556+/-0.000 χ^2/NDF : 315908.9/17

Left In: 1.817+/-0.000 χ^2/NDF :1785379.2/16

Left: 1.782+/-0.000 χ^2/NDF : 3281486.2/34

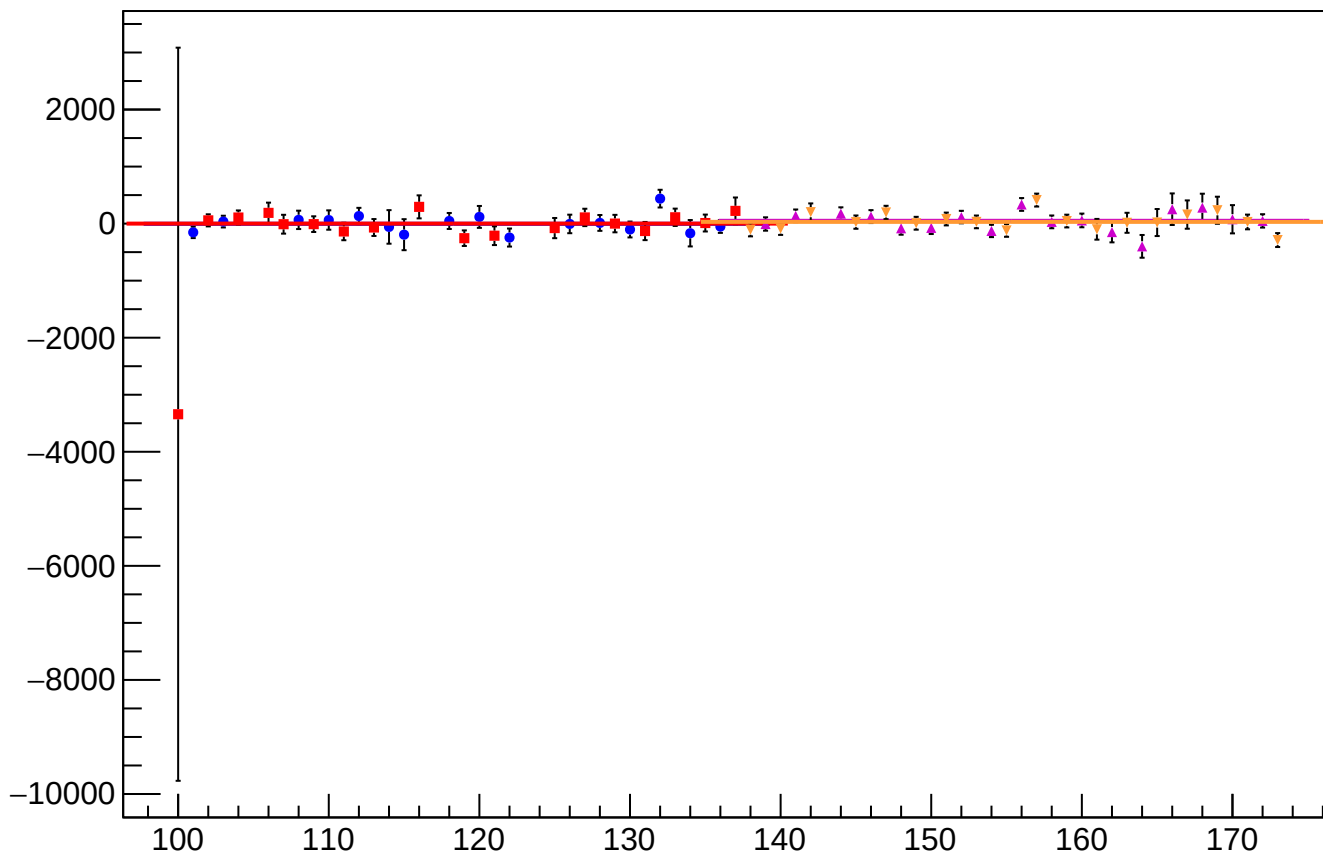
Right: 1.485+/-0.000 χ^2/NDF : 1093611.9/33

In: 1.635+/-0.000 χ^2/NDF :2968514.1/32

Out: 1.669+/-0.000 χ^2/NDF :1903477.7/35

All: 1.652+/-0.000 χ^2/NDF : 4878455.8/68

asym_dsl_mean vs Slug, Sign Corrected



Right In: -3.099 ± 36.723 $\chi^2/\text{NDF}: 16.3/15$

Left Out: 30.644 ± 30.718 $\chi^2/\text{NDF}: 27.4/17$

Right Out: 0.172 ± 36.709 $\chi^2/\text{NDF}: 13.5/17$

Left In: 49.246 ± 30.875 $\chi^2/\text{NDF}: 22.5/16$

Left: 39.898 ± 21.776 $\chi^2/\text{NDF}: 50.1/34$

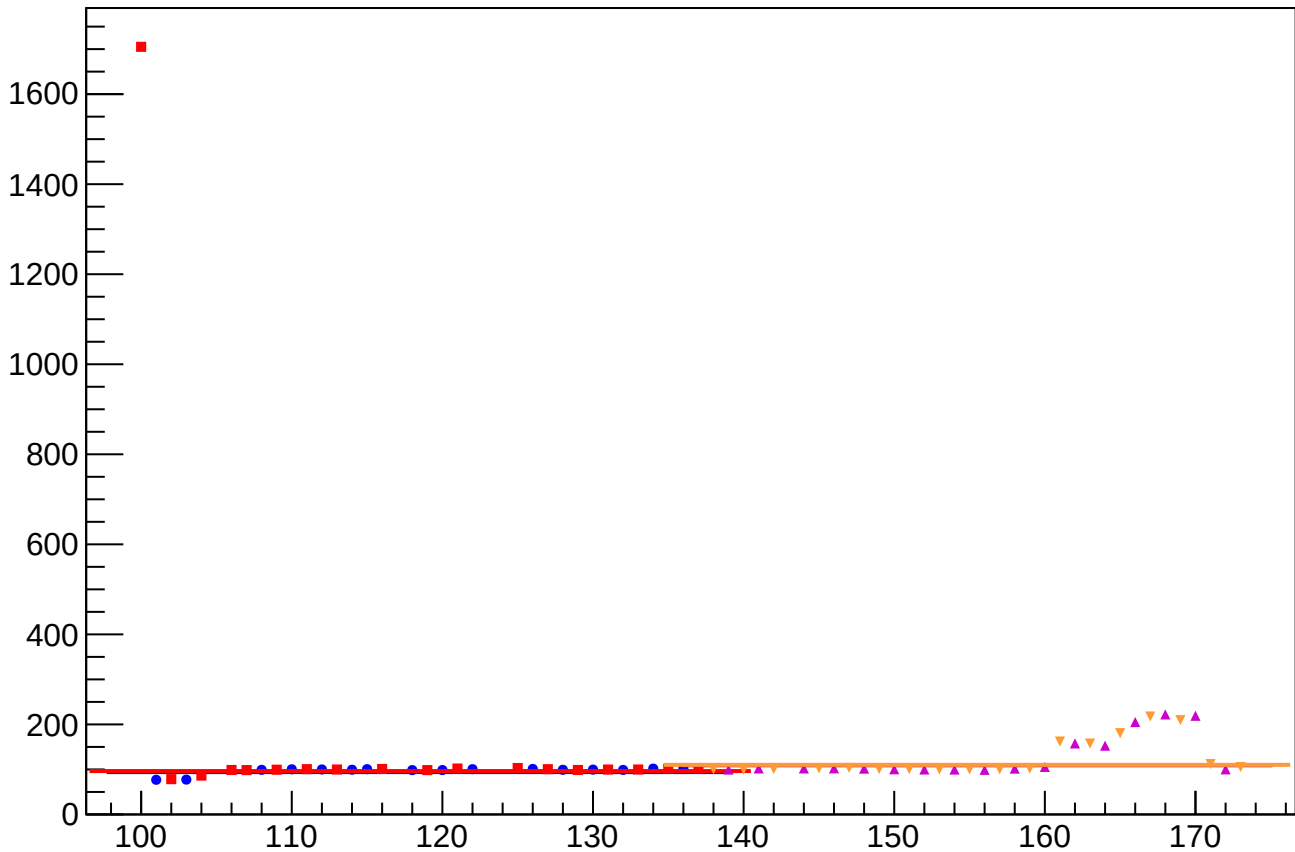
Right: -1.463 ± 25.962 $\chi^2/\text{NDF}: 29.8/33$

In: 27.569 ± 23.633 $\chi^2/\text{NDF}: 40.0/32$

Out: 18.094 ± 23.558 $\chi^2/\text{NDF}: 41.4/35$

All: 22.817 ± 16.684 $\chi^2/\text{NDF}: 81.5/68$

asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.093+/-0.026 χ^2/NDF : 152305.3/15

Left Out: 110.204+/-0.022 χ^2/NDF : 1356095.4/17

Right Out: 96.381+/-0.026 χ^2/NDF : 214362.3/17

Left In: 109.195+/-0.022 χ^2/NDF : 1431195.2/16

Left: 109.702+/-0.015 χ^2/NDF : 2788363.6/34

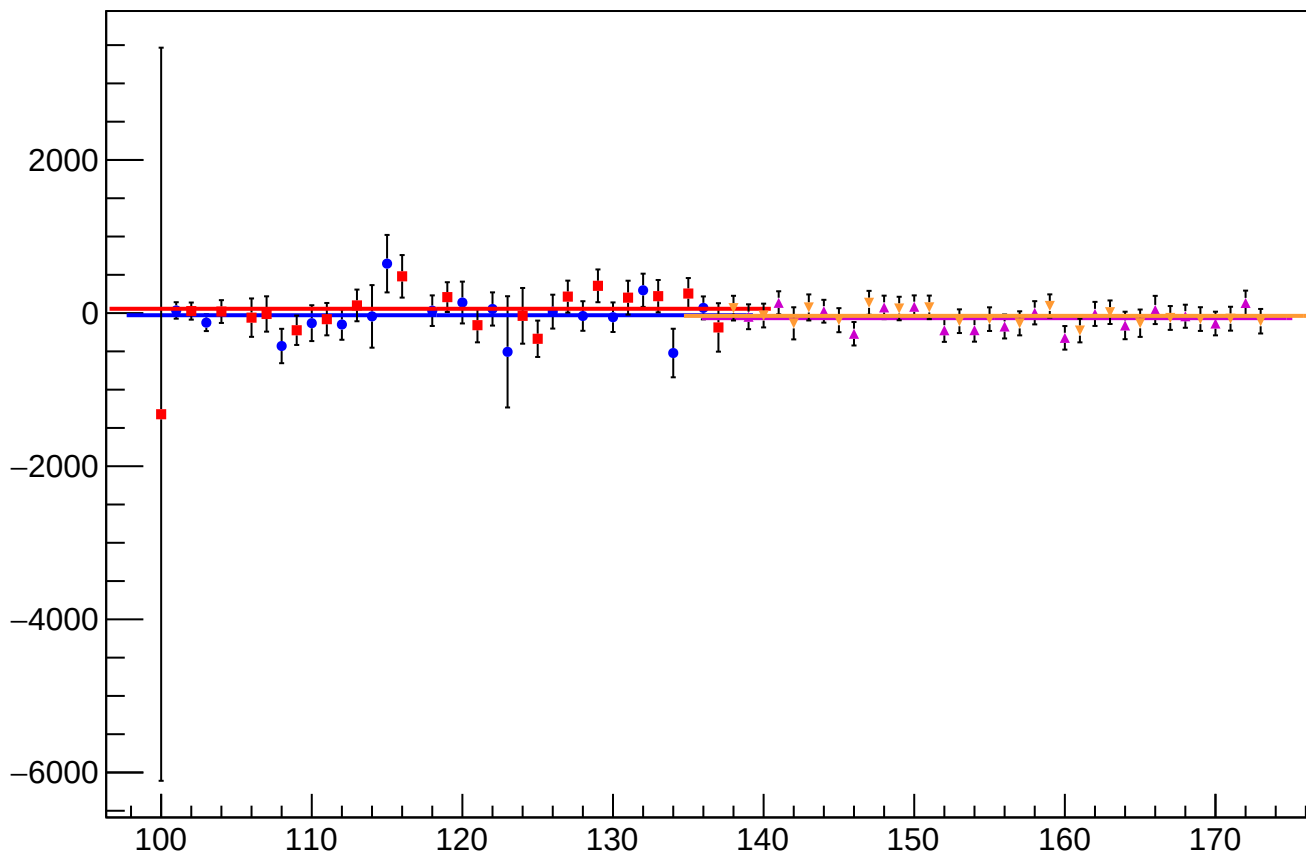
Right: 95.237+/-0.018 χ^2/NDF : 370551.8/33

In: 102.941+/-0.017 χ^2/NDF : 1781675.2/32

Out: 104.511+/-0.017 χ^2/NDF : 1737255.3/35

All: 103.728+/-0.012 χ^2/NDF : 3523358.9/68

reg_asym_dsr_mean vs Slug, Sign Corrected



Right In: -27.840 ± 46.777 $\chi^2/\text{NDF}: 14.3/16$

Left Out: -36.140 ± 36.505 $\chi^2/\text{NDF}: 7.0/18$

Right Out: 56.398 ± 47.708 $\chi^2/\text{NDF}: 14.9/18$

Left In: -66.203 ± 37.883 $\chi^2/\text{NDF}: 13.9/16$

Left: -50.614 ± 26.287 $\chi^2/\text{NDF}: 21.2/35$

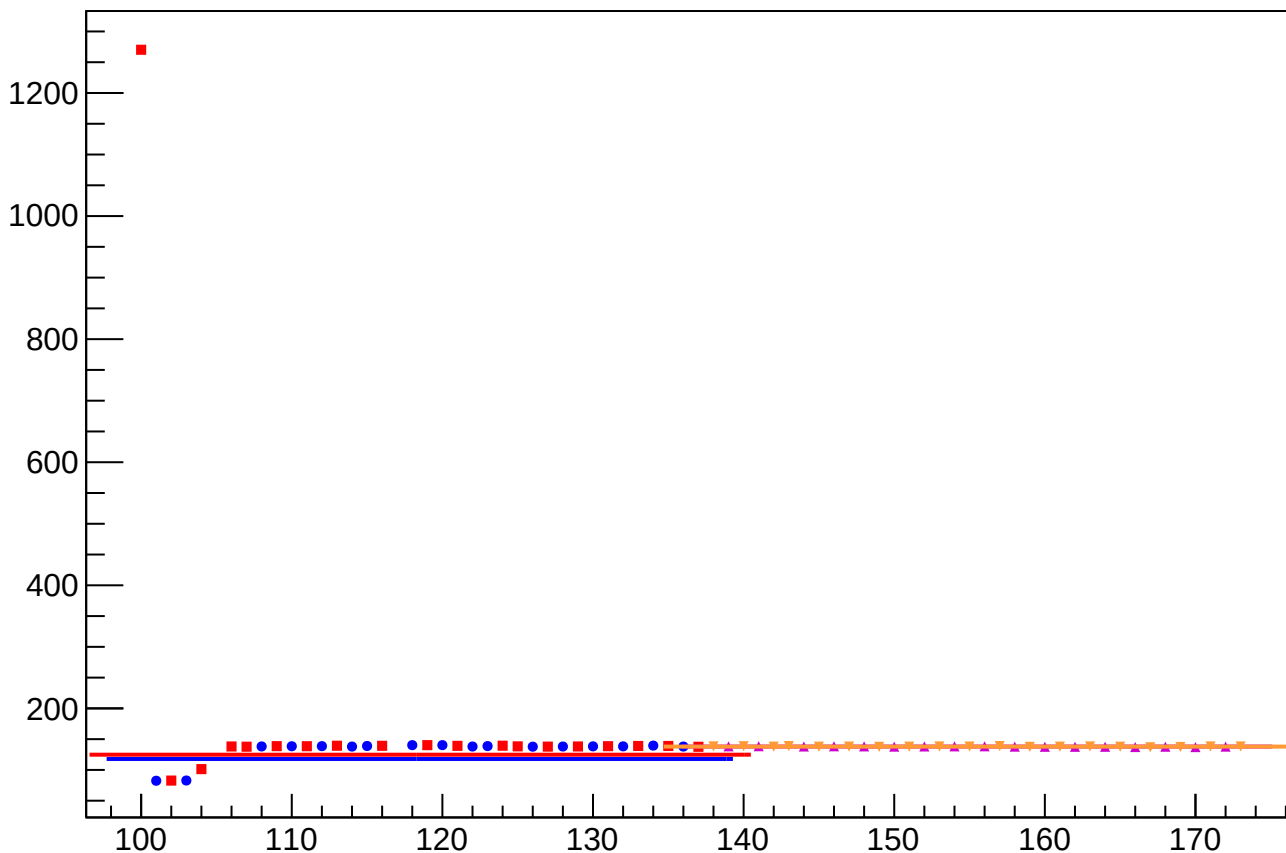
Right: 13.449 ± 33.401 $\chi^2/\text{NDF}: 30.8/35$

In: -51.007 ± 29.440 $\chi^2/\text{NDF}: 28.6/33$

Out: -1.968 ± 28.991 $\chi^2/\text{NDF}: 24.2/37$

All: -26.111 ± 20.657 $\chi^2/\text{NDF}: 54.2/71$

reg_asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.815 $\pm$ 0.033 χ^2 /NDF: 666581.7/16

Left Out: 137.923 $\pm$ 0.026 χ^2 /NDF:329.0/18

Right Out: 124.763 $\pm$ 0.034 χ^2 /NDF: 569771.6/18

Left In: 137.969 $\pm$ 0.027 χ^2 /NDF:221.9/16

Left: 137.945 $\pm$ 0.019 χ^2 /NDF: 552.5/35

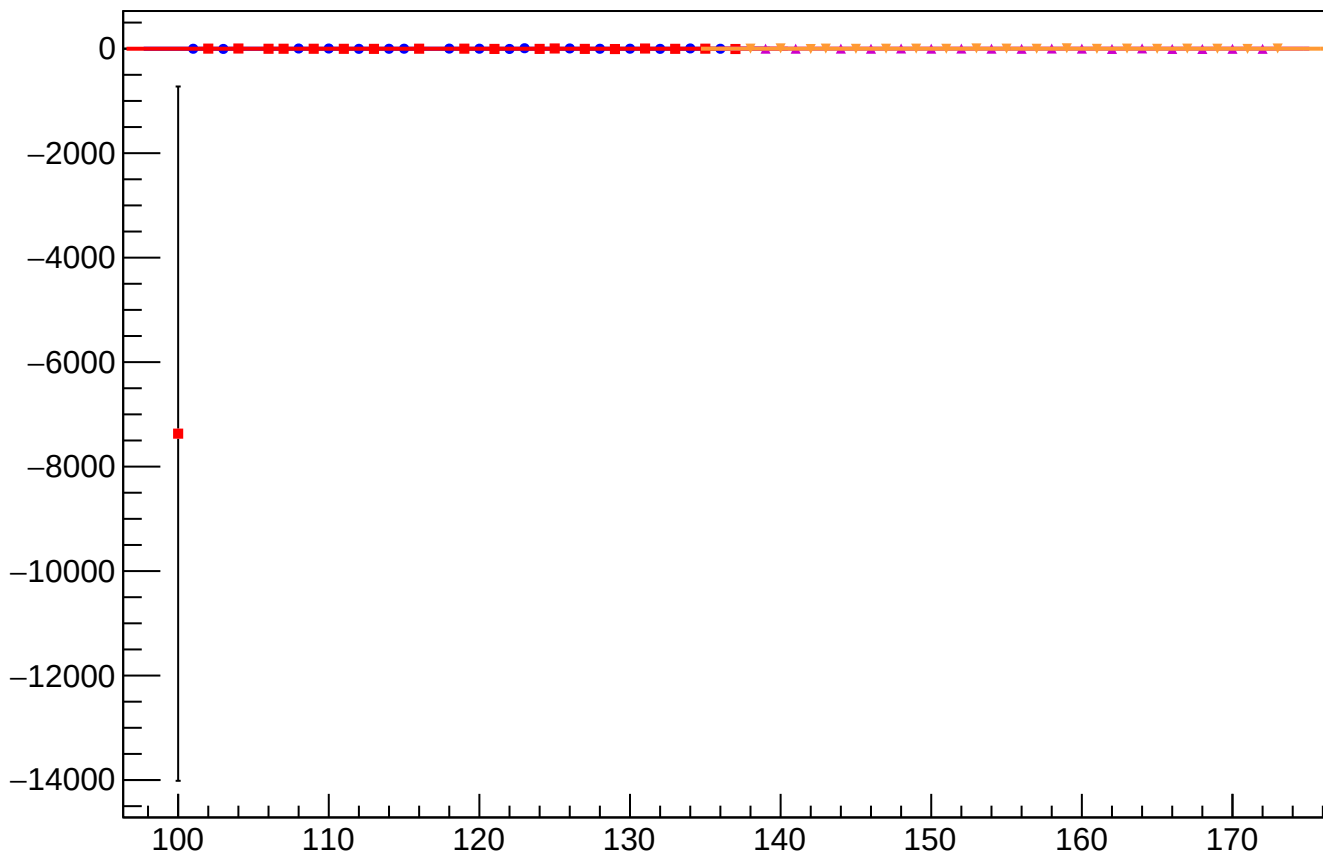
Right: 121.221 $\pm$ 0.024 χ^2 /NDF: 1257984.7/35

In: 129.986 $\pm$ 0.021 χ^2 /NDF:891027.6/33

Out: 133.064 $\pm$ 0.021 χ^2 /NDF:666078.7/37

All: 131.548 $\pm$ 0.015 χ^2 /NDF: 1568200.3/71

asym_dsr_correction_mean vs Slug, Sign Corrected



Right In: -0.695 ± 0.810 χ^2/NDF : 12.7/16

Left Out: 0.367 ± 0.637 χ^2/NDF : 24.2/18

Right Out: -0.649 ± 0.851 χ^2/NDF : 13.7/18

Left In: 0.506 ± 0.662 χ^2/NDF : 16.6/16

Left: 0.434 ± 0.459 χ^2/NDF : 40.8/35

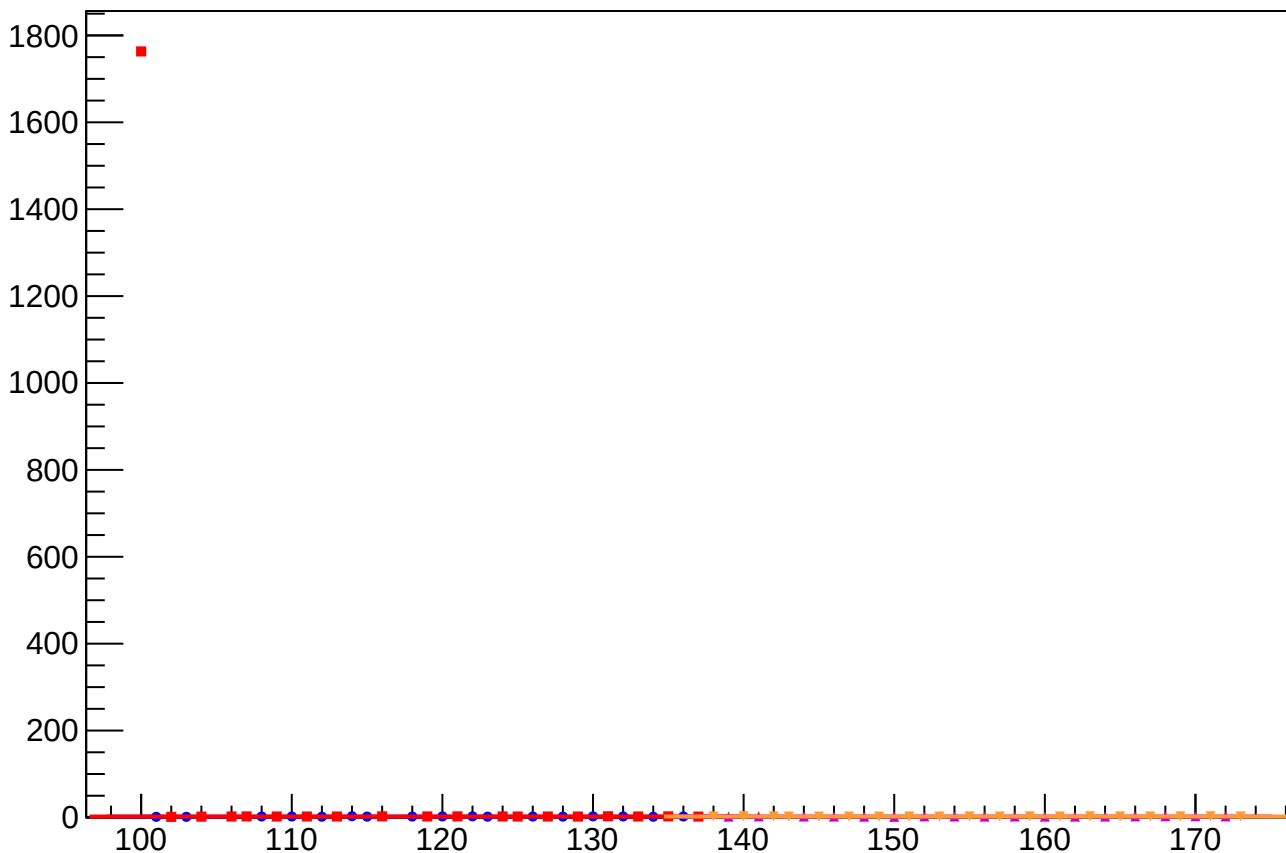
Right: -0.673 ± 0.587 χ^2/NDF : 26.3/35

In: 0.025 ± 0.513 χ^2/NDF : 30.6/33

Out: 0.002 ± 0.510 χ^2/NDF : 38.8/37

All: 0.013 ± 0.362 χ^2/NDF : 69.4/71

asym_dsr_correction_rms vs Slug, Sign Corrected



Right In: 1.869 $\pm$ 0.001 χ^2 /NDF: 493173.6/16

Left Out: 2.212 $\pm$ 0.000 χ^2 /NDF: 258972.5/18

Right Out: 2.065 $\pm$ 0.001 χ^2 /NDF: 525497.0/18

Left In: 2.174 $\pm$ 0.000 χ^2 /NDF: 466357.2/16

Left: 2.194 $\pm$ 0.000 χ^2 /NDF: 728801.9/35

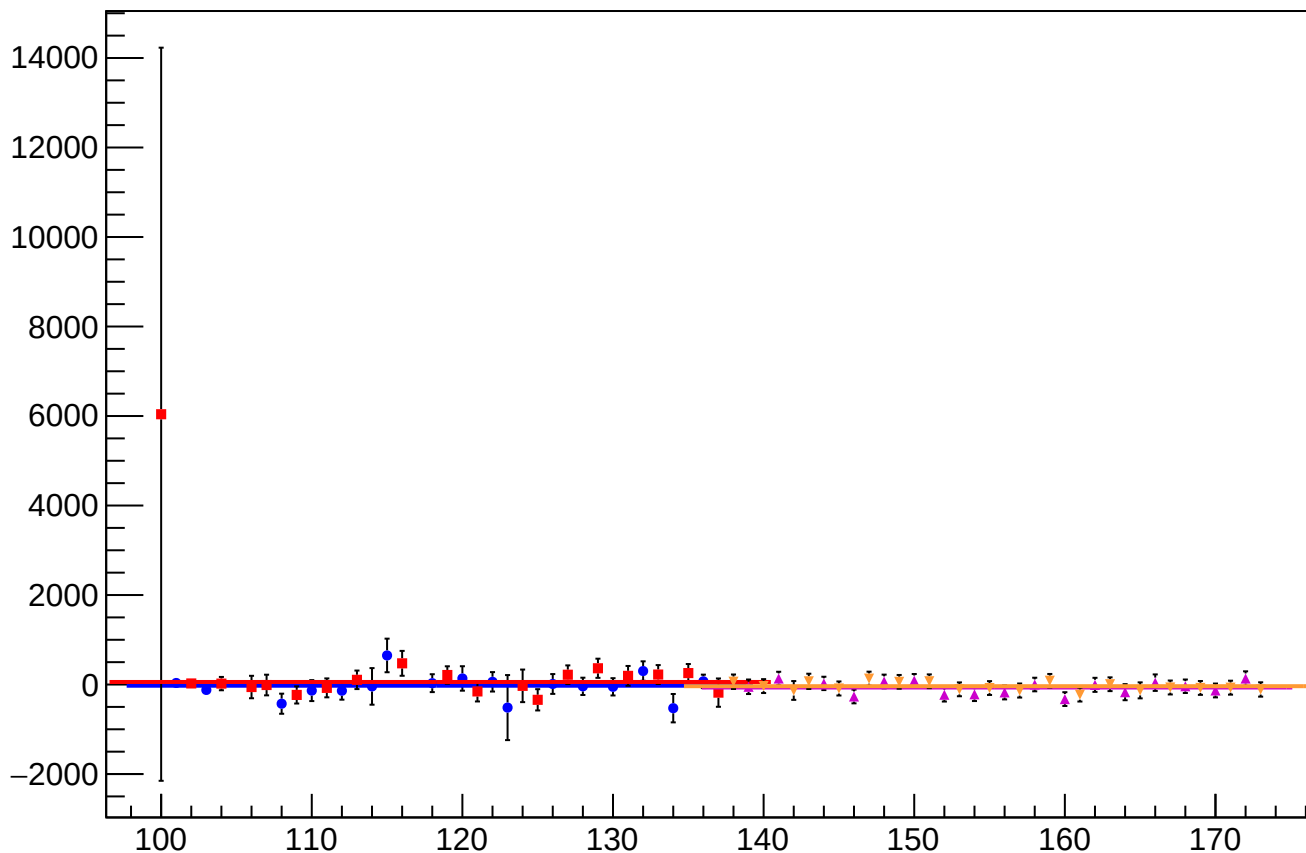
Right: 1.962 $\pm$ 0.000 χ^2 /NDF: 1074296.8/35

In: 2.052 $\pm$ 0.000 χ^2 /NDF: 1129500.4/33

Out: 2.160 $\pm$ 0.000 χ^2 /NDF: 822859.9/37

All: 2.106 $\pm$ 0.000 χ^2 /NDF: 1996508.6/71

asym_dsr_mean vs Slug, Sign Corrected



Right In: -26.258+/-46.789 χ^2 /NDF: 14.4/16

Left Out: -37.021+/-36.515 χ^2 /NDF: 6.7/18

Right Out: 57.268+/-47.722 χ^2 /NDF: 15.5/18

Left In: -66.301+/-37.894 χ^2 /NDF: 14.0/16

Left: -51.118+/-26.294 χ^2 /NDF: 21.0/35

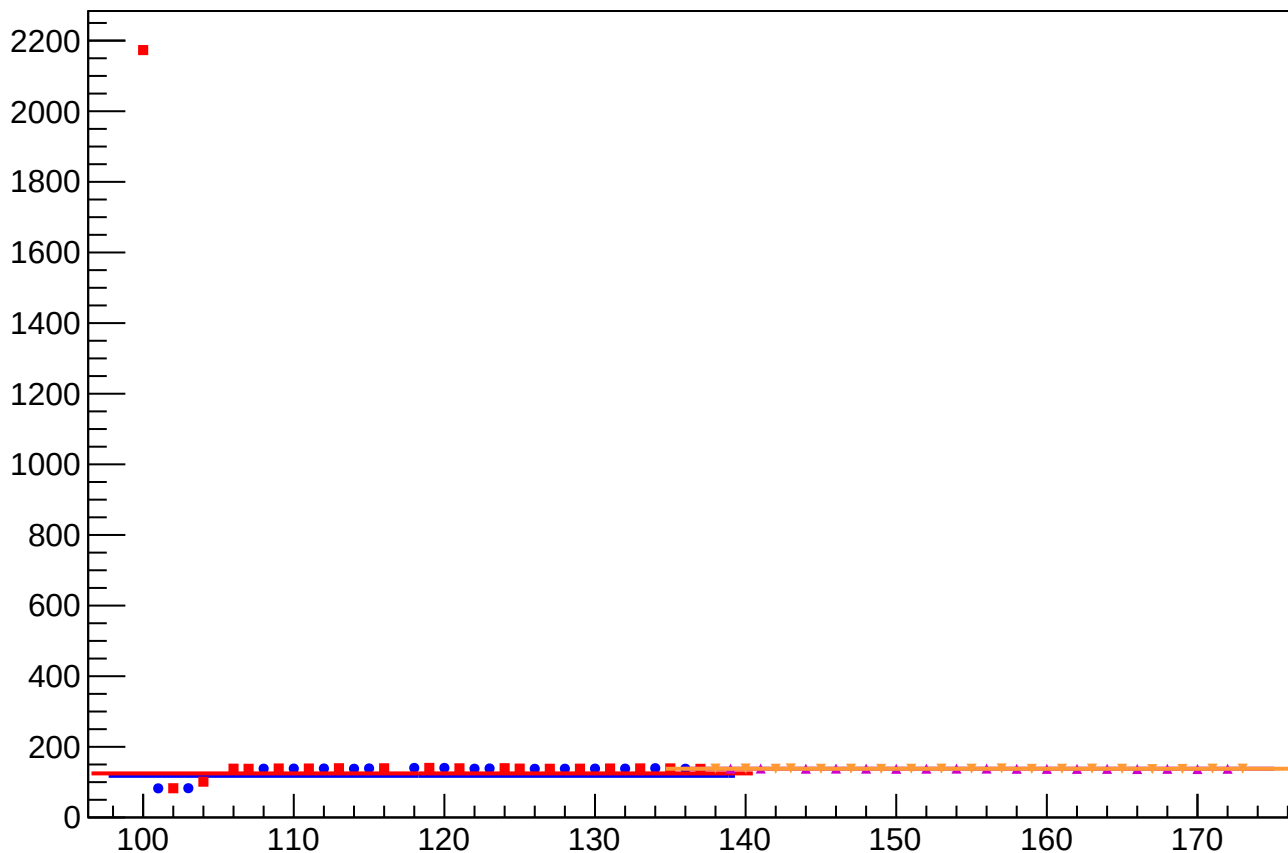
Right: 14.681+/-33.410 χ^2 /NDF: 31.4/35

In: -50.440+/-29.448 χ^2 /NDF: 28.8/33

Out: -2.204+/-29.000 χ^2 /NDF: 24.7/37

All: -25.952+/-20.662 χ^2 /NDF: 54.8/71

asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.847 $\pm$ 0.033 χ^2 /NDF: 666622.8/16

Left Out: 137.960 $\pm$ 0.026 χ^2 /NDF:328.9/18

Right Out: 124.752 $\pm$ 0.034 χ^2 /NDF: 580350.4/18

Left In: 138.009 $\pm$ 0.027 χ^2 /NDF:218.4/16

Left: 137.983 $\pm$ 0.019 χ^2 /NDF: 549.0/35

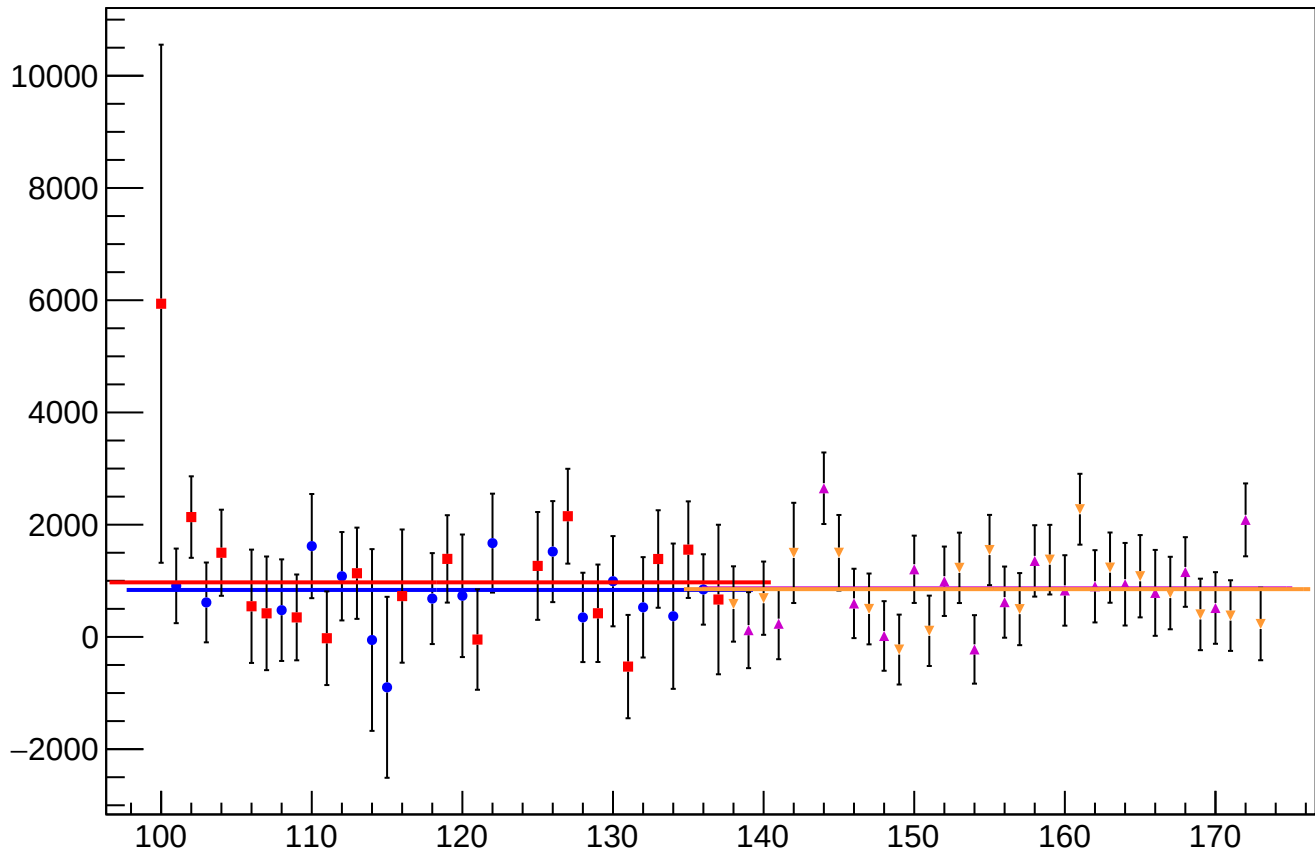
Right: 121.231 $\pm$ 0.024 χ^2 /NDF: 1268326.7/35

In: 130.022 $\pm$ 0.021 χ^2 /NDF:891101.8/33

Out: 133.083 $\pm$ 0.021 χ^2 /NDF:677304.0/37

All: 131.576 $\pm$ 0.015 χ^2 /NDF: 1579374.5/71

reg_asym_left_avg_mean vs Slug, Sign Corrected



Right In: 837.048 $\pm$ 216.181 χ^2 /NDF: 4.7/15

Left Out: 851.325 $\pm$ 153.440 χ^2 /NDF:16.6/17

Right Out: 972.425 $\pm$ 212.746 χ^2 /NDF: 14.3/17

Left In: 865.916 $\pm$ 155.552 χ^2 /NDF:20.5/16

Left: 858.521 $\pm$ 109.238 χ^2 /NDF: 37.0/34

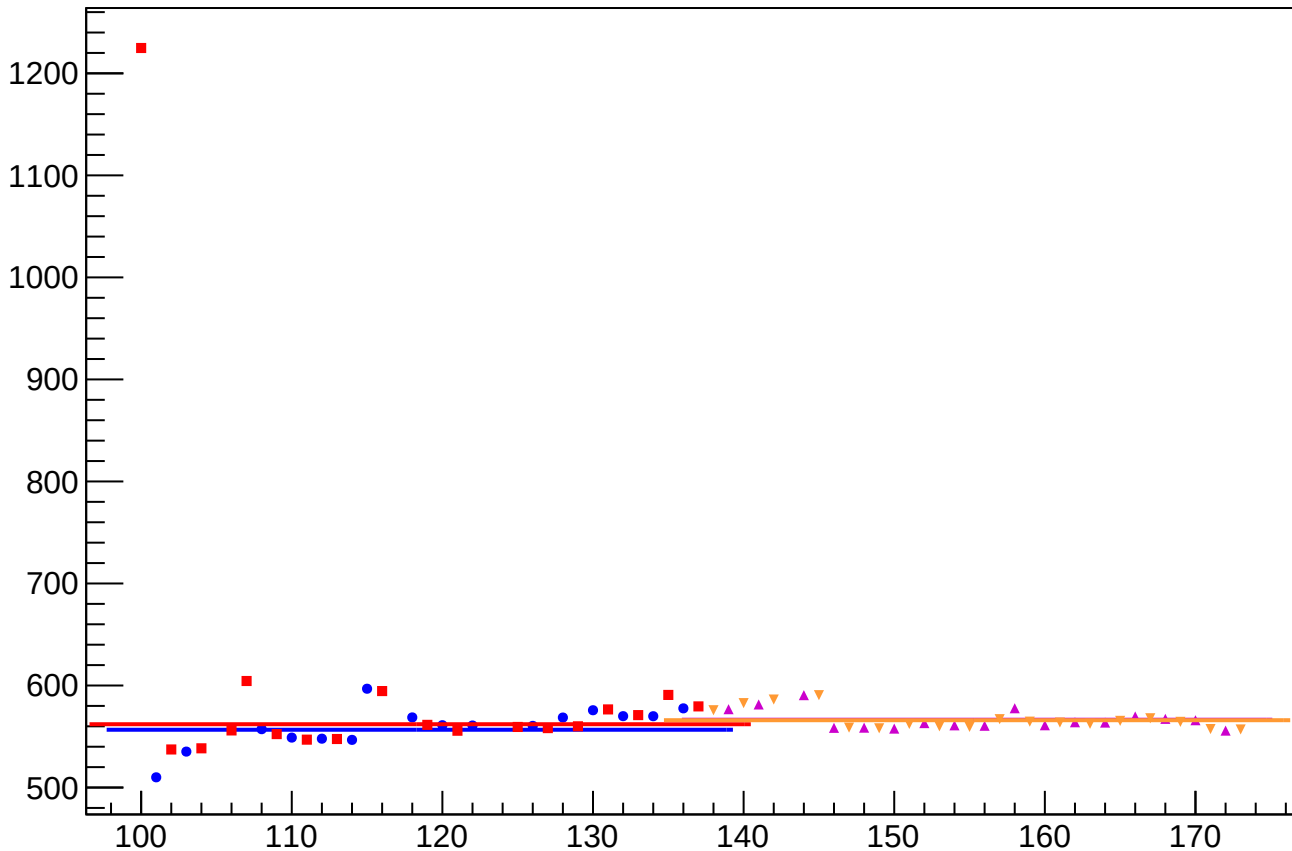
Right: 905.821 $\pm$ 151.634 χ^2 /NDF: 19.2/33

In: 856.068 $\pm$ 126.263 χ^2 /NDF:25.2/32

Out: 892.764 $\pm$ 124.449 χ^2 /NDF:31.0/35

All: 874.682 $\pm$ 88.633 χ^2 /NDF: 56.3/68

reg_asym_left_avg_rms vs Slug, Sign Corrected



Right In: 556.637+/-0.153 χ^2/NDF : 18391.7/15

Left Out: 565.988+/-0.108 χ^2/NDF : 7400.8/17

Right Out: 562.048+/-0.150 χ^2/NDF : 55575.3/17

Left In: 566.468+/-0.110 χ^2/NDF : 7309.5/16

Left: 566.225+/-0.077 χ^2/NDF : 14720.0/34

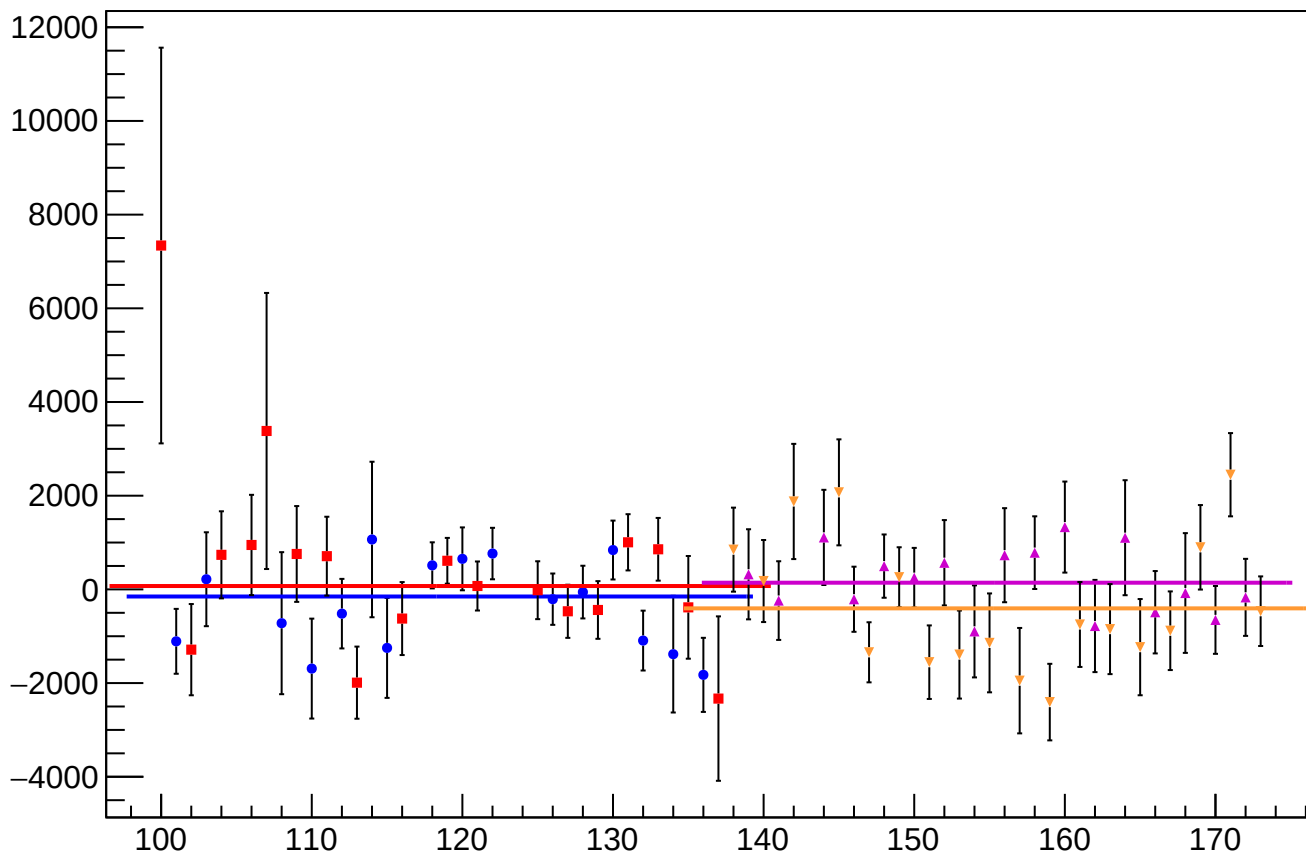
Right: 559.386+/-0.107 χ^2/NDF : 74603.5/33

In: 563.115+/-0.089 χ^2/NDF : 28426.4/32

Out: 564.640+/-0.088 χ^2/NDF : 63427.3/35

All: 563.888+/-0.063 χ^2/NDF : 92001.7/68

asym_left_avg_correction_mean vs Slug, Sign Corrected



Right In: -151.876 $\pm$ 180.078 χ^2/NDF : 22.3/15

Left Out: -405.150 $\pm$ 205.053 χ^2/NDF :39.2/17

Right Out: 71.760 $\pm$ 178.665 χ^2/NDF : 25.0/17

Left In: 142.533 $\pm$ 207.887 χ^2/NDF :9.0/16

Left: -135.067 $\pm$ 145.986 χ^2/NDF : 51.7/34

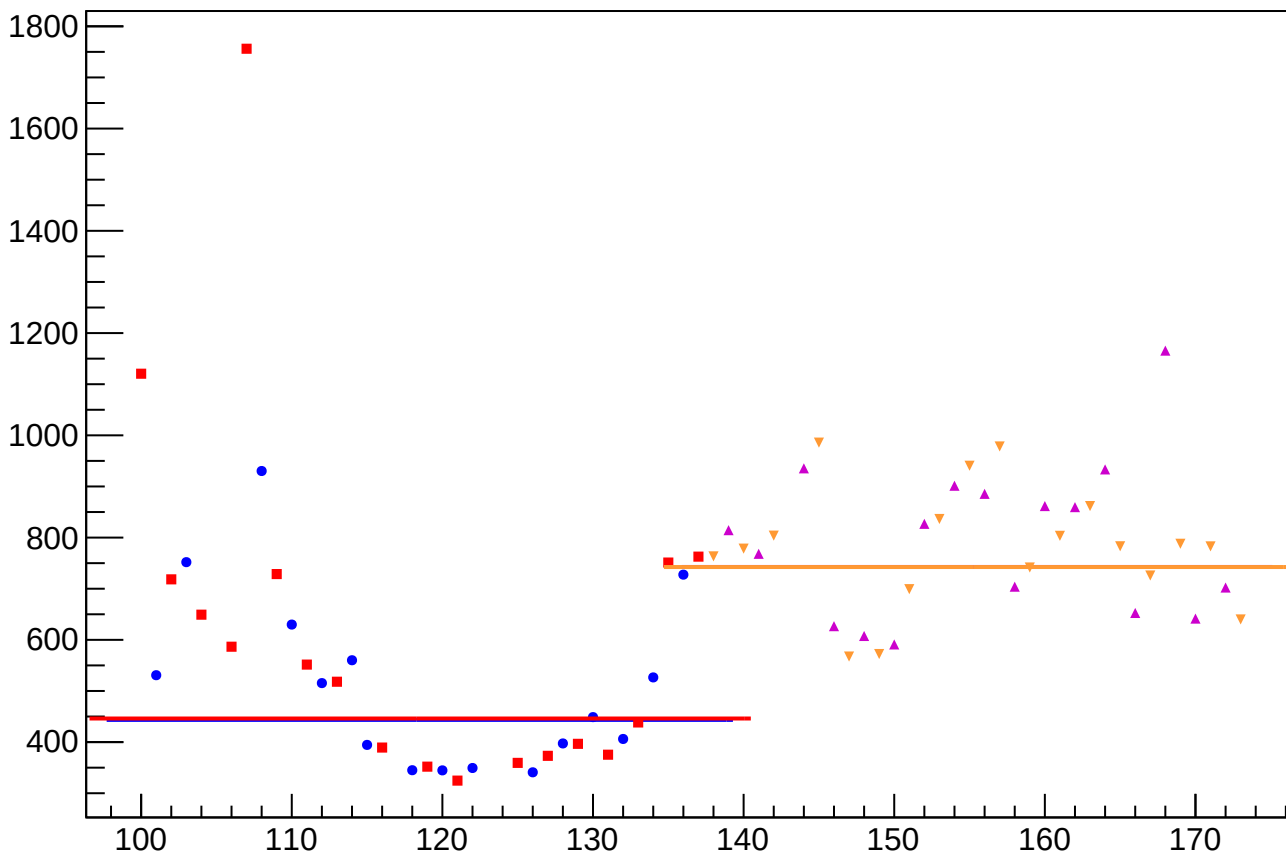
Right: -39.177 $\pm$ 126.832 χ^2/NDF : 48.1/33

In: -25.667 $\pm$ 136.112 χ^2/NDF :32.4/32

Out: -134.053 $\pm$ 134.705 χ^2/NDF :67.3/35

All: -80.423 $\pm$ 95.745 χ^2/NDF : 100.0/68

asym_left_avg_correction_rms vs Slug, Sign Corrected



Right In: 443.451+/-0.127 χ^2/NDF : 1060940.9/15

Left Out: 742.415+/-0.145 χ^2/NDF : 668236.3/17

Right Out: 446.147+/-0.126 χ^2/NDF : 1459986.4/17

Left In: 742.559+/-0.147 χ^2/NDF : 839351.4/16

Left: 742.486+/-0.103 χ^2/NDF : 1507588.2/34

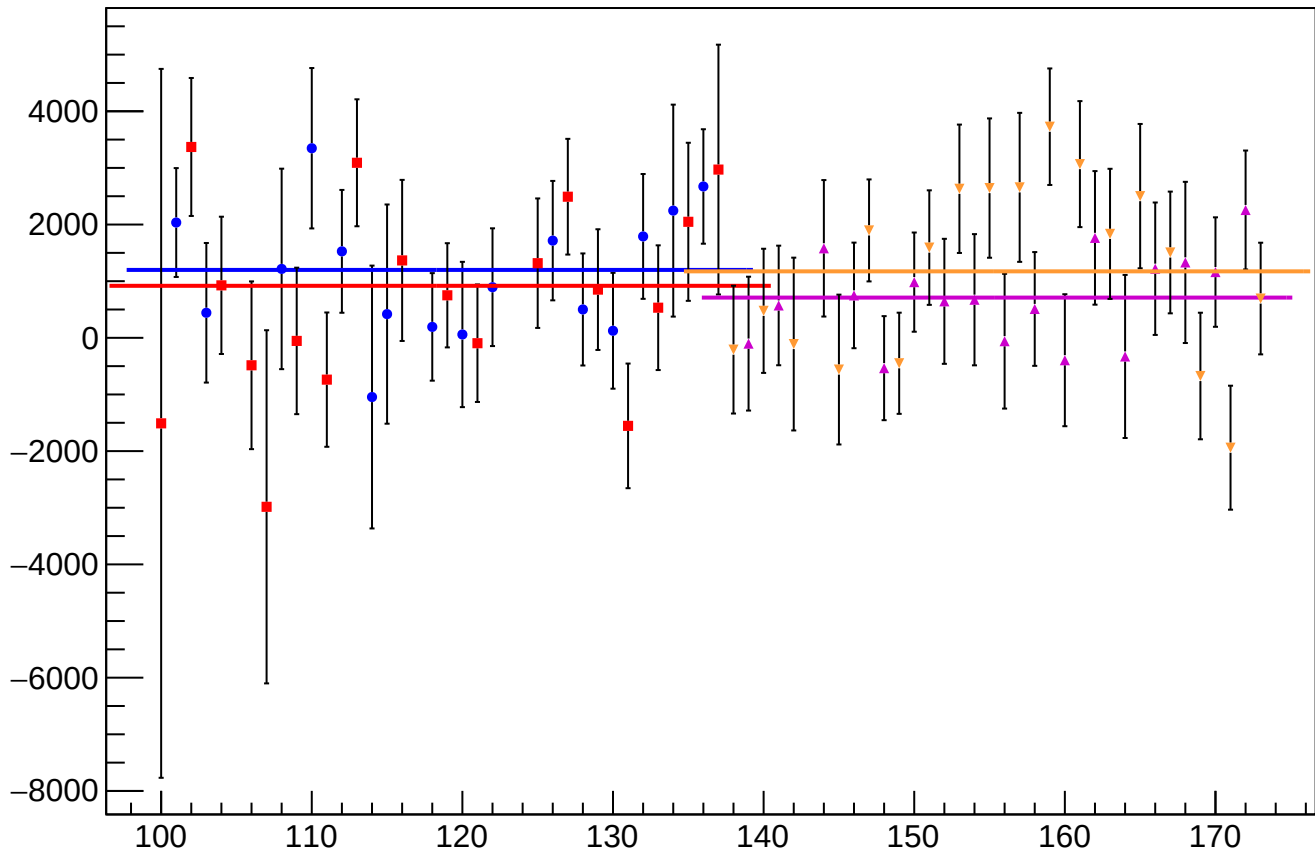
Right: 444.809+/-0.090 χ^2/NDF : 2521153.2/33

In: 571.675+/-0.096 χ^2/NDF : 4265702.1/32

Out: 574.003+/-0.095 χ^2/NDF : 4501542.4/35

All: 572.851+/-0.068 χ^2/NDF : 8767540.1/68

asym_left_avg_mean vs Slug, Sign Corrected



Right In: 1198.972 $\pm$ 295.243 χ^2 /NDF: 11.2/15

Left Out: 1173.758 $\pm$ 260.278 χ^2 /NDF:34.4/17

Right Out: 918.412 $\pm$ 293.294 χ^2 /NDF: 23.2/17

Left In: 710.324 $\pm$ 263.991 χ^2 /NDF:8.4/16

Left: 945.323 $\pm$ 185.343 χ^2 /NDF: 44.4/34

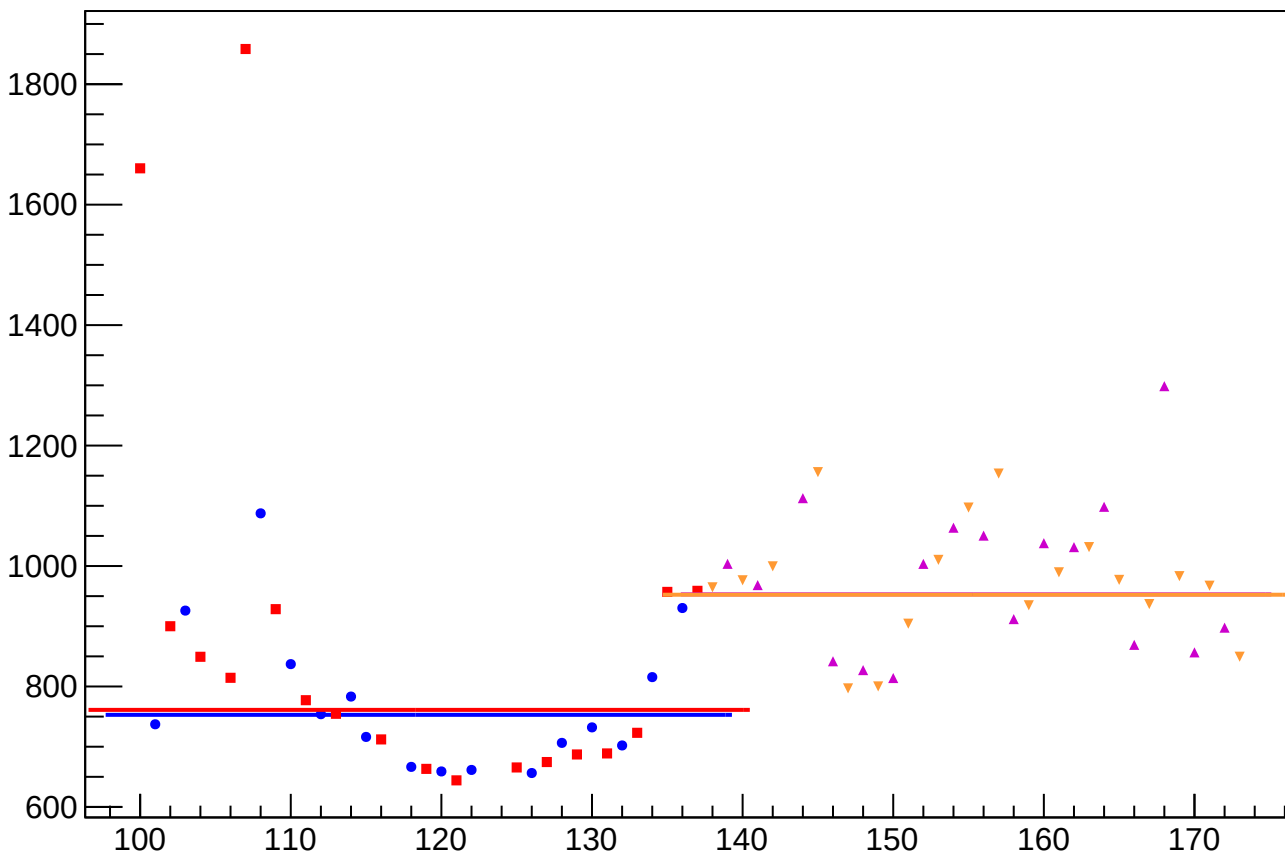
Right: 1057.763 $\pm$ 208.076 χ^2 /NDF: 34.9/33

In: 927.426 $\pm$ 196.794 χ^2 /NDF:21.1/32

Out: 1061.261 $\pm$ 194.675 χ^2 /NDF:58.1/35

All: 995.068 $\pm$ 138.399 χ^2 /NDF: 79.4/68

asym_left_avg_rms vs Slug, Sign Corrected



Right In: 752.937 $\pm$ 0.209 χ^2 /NDF: 252526.4/15

Left Out: 952.345 $\pm$ 0.184 χ^2 /NDF: 289647.7/17

Right Out: 761.160 $\pm$ 0.207 χ^2 /NDF: 517136.7/17

Left In: 952.940 $\pm$ 0.187 χ^2 /NDF: 388345.2/16

Left: 952.638 $\pm$ 0.131 χ^2 /NDF: 677998.1/34

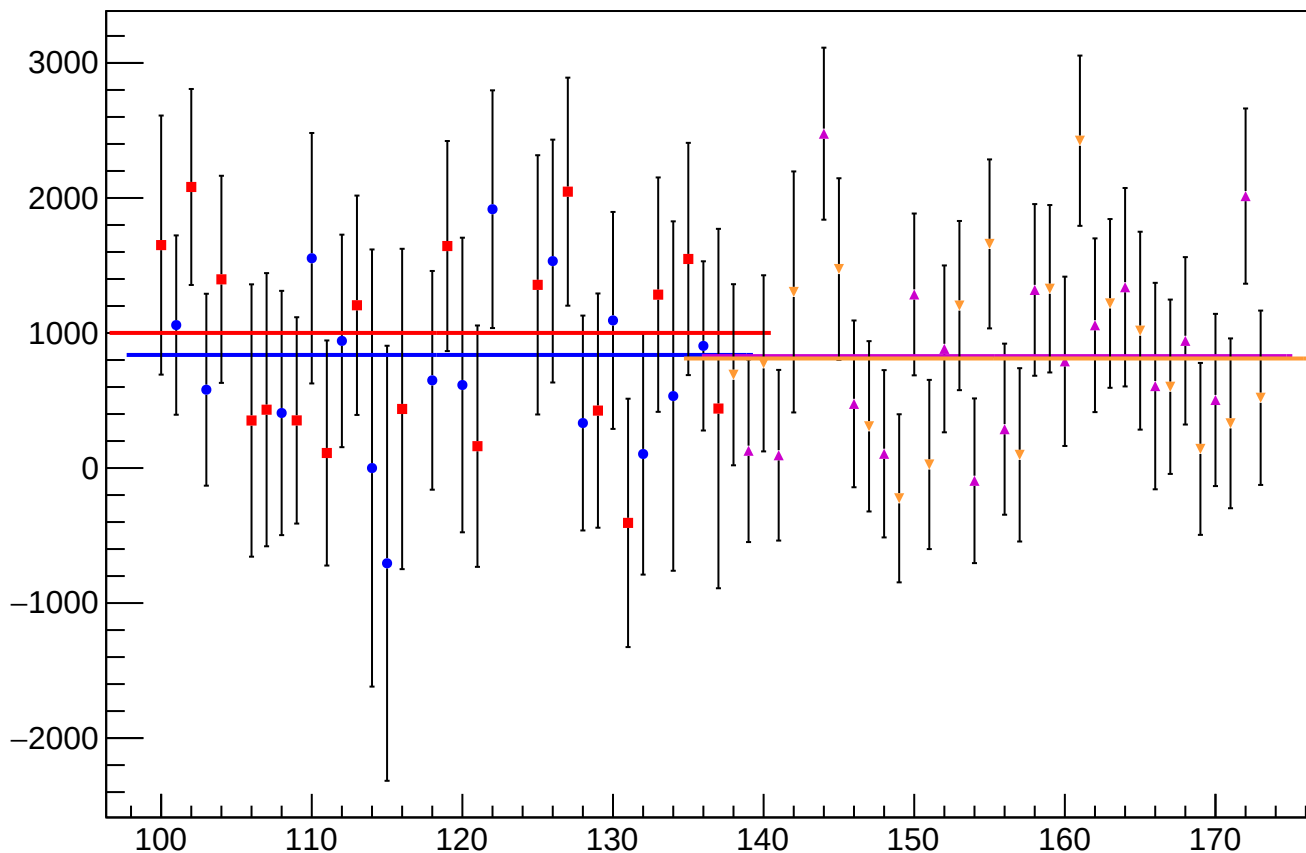
Right: 757.076 $\pm$ 0.147 χ^2 /NDF: 770443.9/33

In: 864.081 $\pm$ 0.139 χ^2 /NDF: 1150894.5/32

Out: 868.115 $\pm$ 0.138 χ^2 /NDF: 1282203.4/35

All: 866.120 $\pm$ 0.098 χ^2 /NDF: 2433522.7/68

reg_asym_left_dd_mean vs Slug, Sign Corrected



Right In: 837.557 $\pm$ 216.015 χ^2 /NDF: 5.7/15

Left Out: 811.131 $\pm$ 153.313 χ^2 /NDF:19.5/17

Right Out: 1000.617 $\pm$ 207.748 χ^2 /NDF: 12.5/17

Left In: 828.934 $\pm$ 155.424 χ^2 /NDF:19.3/16

Left: 819.911 $\pm$ 109.147 χ^2 /NDF: 38.8/34

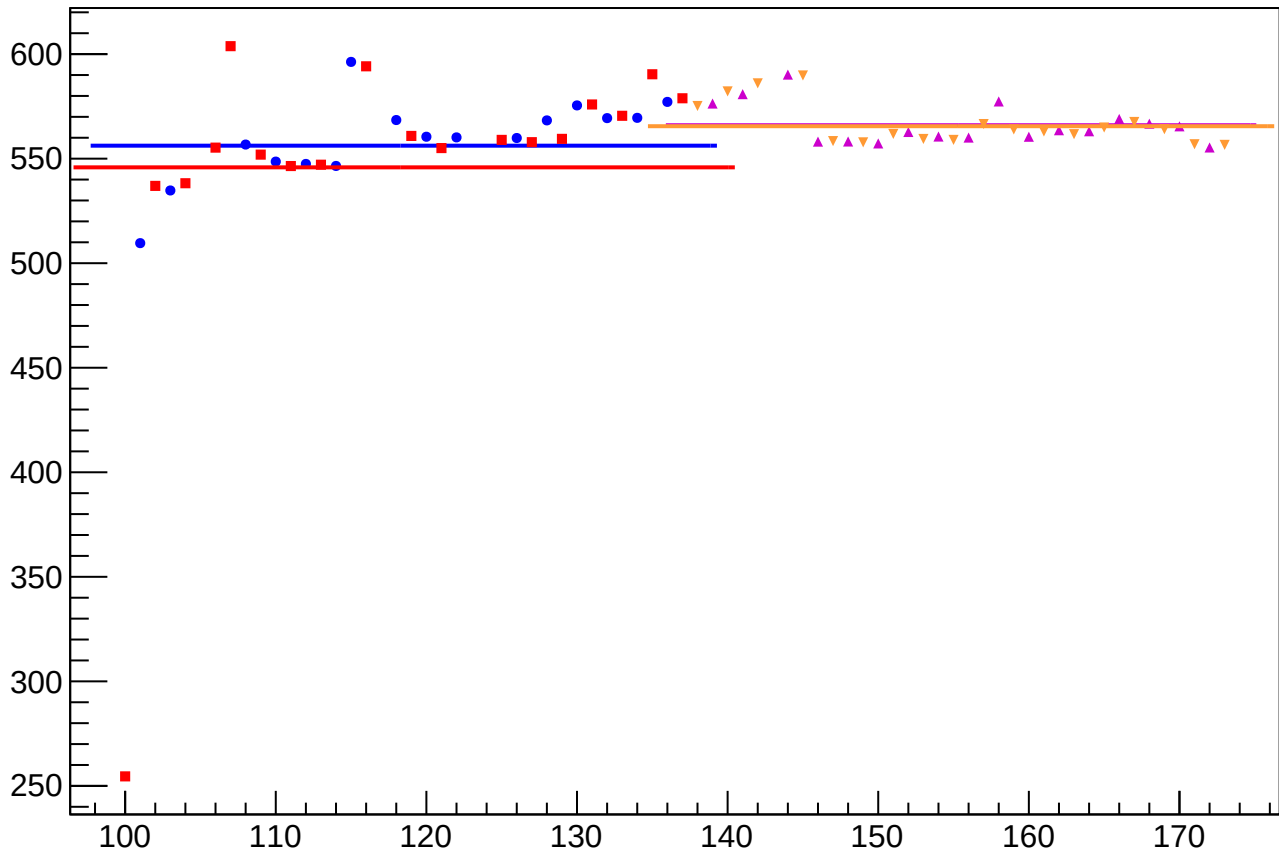
Right: 922.267 $\pm$ 149.737 χ^2 /NDF: 18.5/33

In: 831.876 $\pm$ 126.162 χ^2 /NDF:25.0/32

Out: 877.941 $\pm$ 123.358 χ^2 /NDF:32.6/35

All: 855.426 $\pm$ 88.202 χ^2 /NDF: 57.7/68

reg_asym_left_dd_rms vs Slug, Sign Corrected



Right In: 556.210 $\pm$ 0.153 χ^2 /NDF: 18417.4/15

Left Out: 565.519 $\pm$ 0.108 χ^2 /NDF: 7336.2/17

Right Out: 545.844 $\pm$ 0.147 χ^2 /NDF: 207640.3/17

Left In: 566.001 $\pm$ 0.110 χ^2 /NDF: 7337.8/16

Left: 565.757 $\pm$ 0.077 χ^2 /NDF: 14683.8/34

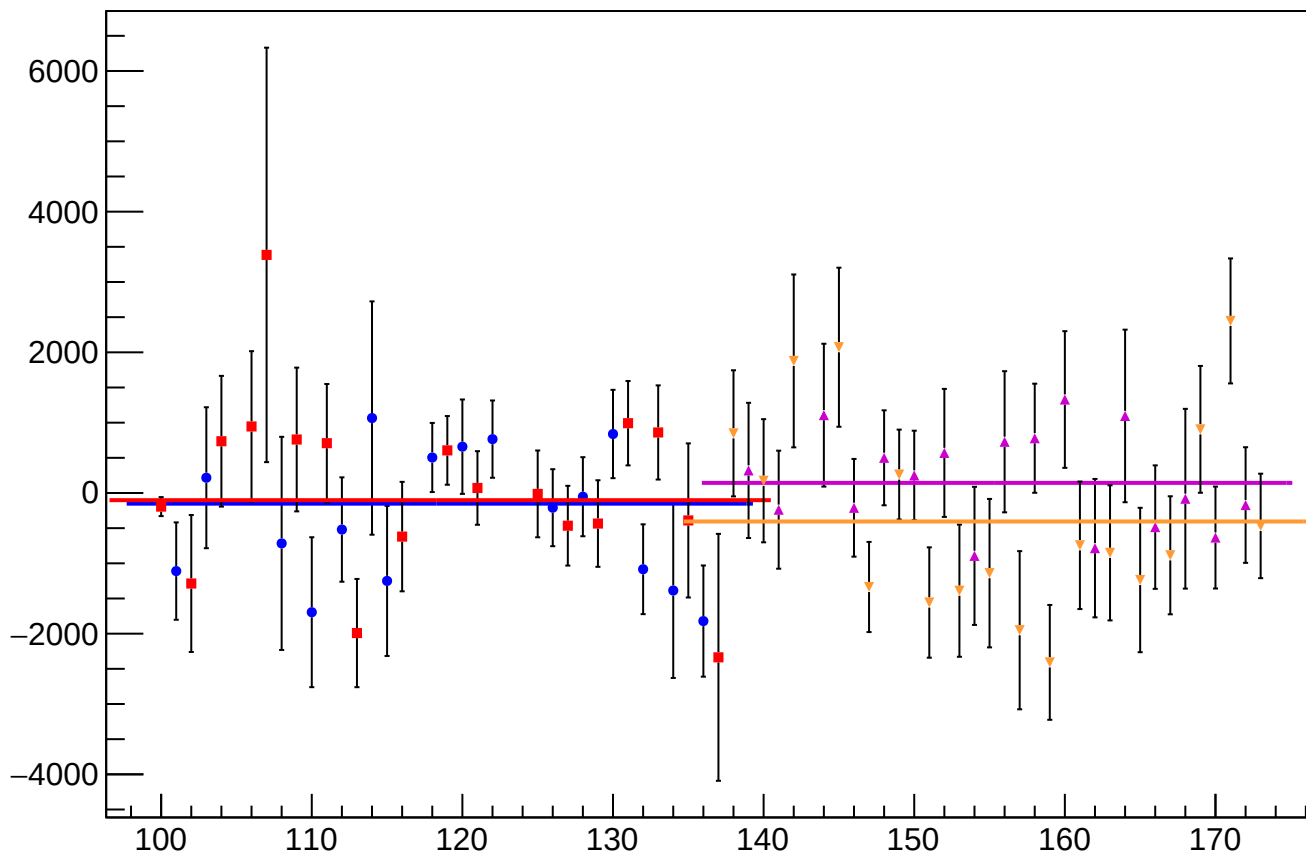
Right: 550.825 $\pm$ 0.106 χ^2 /NDF: 228450.1/33

In: 562.661 $\pm$ 0.089 χ^2 /NDF: 28462.3/32

Out: 558.582 $\pm$ 0.087 χ^2 /NDF: 226589.9/35

All: 560.576 $\pm$ 0.062 χ^2 /NDF: 256121.0/68

asym_left_dd_correction_mean vs Slug, Sign Corrected



Right In: -151.459+/-179.991 χ^2/NDF : 22.3/15

Left Out: -405.014+/-204.967 χ^2/NDF :39.2/17

Right Out: -102.079+/-107.707 χ^2/NDF : 23.2/17

Left In: 143.749+/-207.793 χ^2/NDF :8.9/16

Left: -134.390+/-145.922 χ^2/NDF : 51.7/34

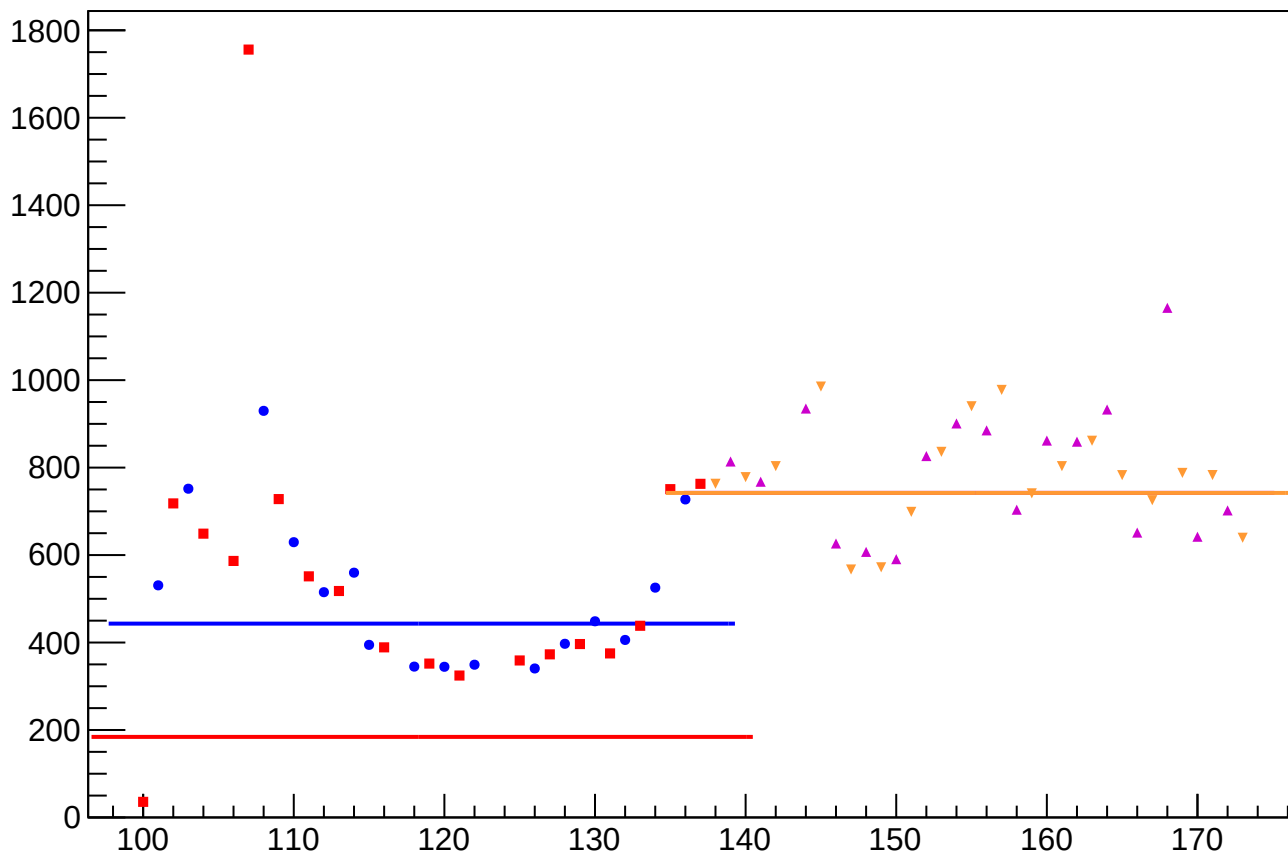
Right: -115.099+/-92.423 χ^2/NDF : 45.6/33

In: -24.912+/-136.048 χ^2/NDF :32.3/32

Out: -167.630+/-95.345 χ^2/NDF :64.2/35

All: -120.622+/-78.079 χ^2/NDF : 97.2/68

asym_left_dd_correction_rms vs Slug, Sign Corrected



Right In: 443.240+/-0.127 χ^2/NDF : 1060784.8/15

Left Out: 742.117+/-0.145 χ^2/NDF : 668882.6/17

Right Out: 184.215+/-0.076 χ^2/NDF : 8079776.8/17

Left In: 742.221+/-0.147 χ^2/NDF : 839554.4/16

Left: 742.168+/-0.103 χ^2/NDF : 1508437.3/34

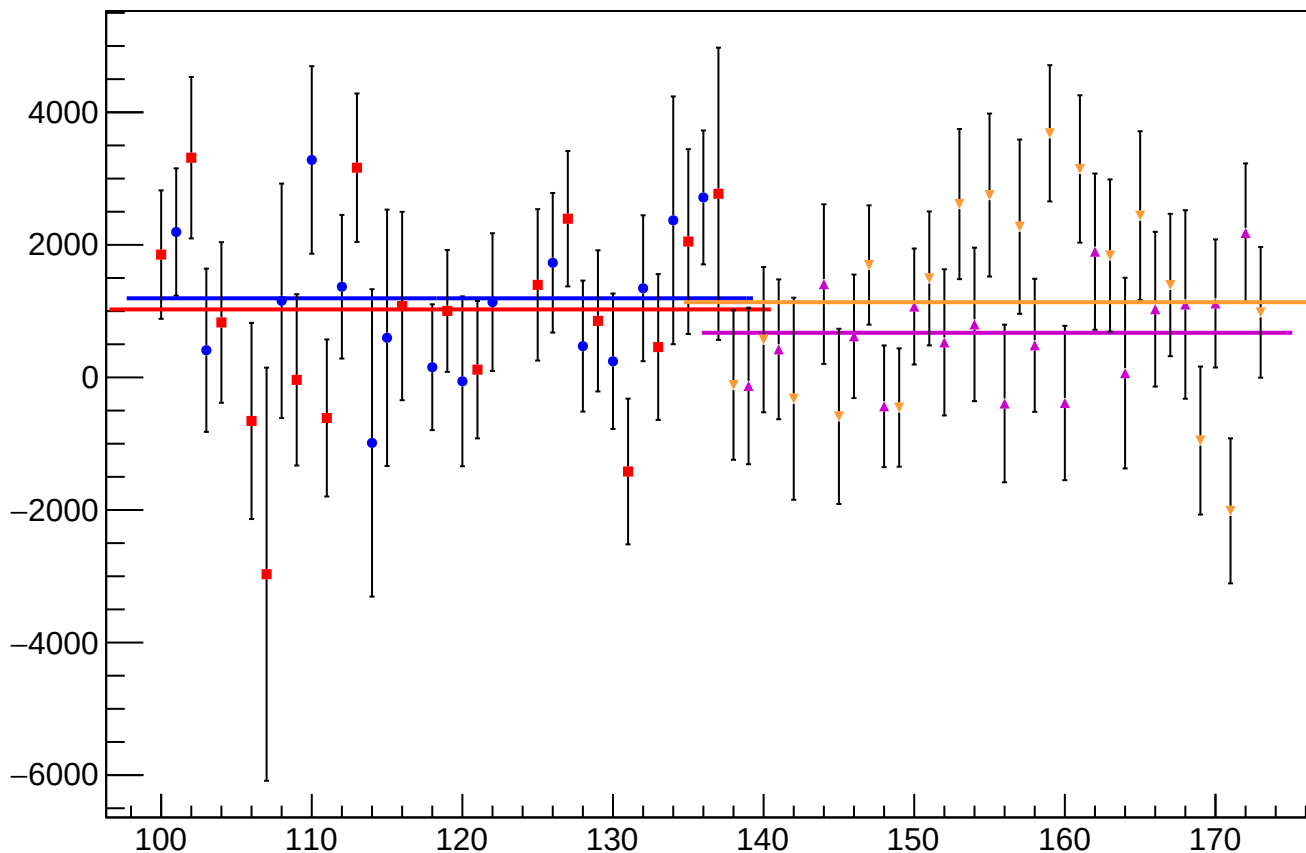
Right: 252.512+/-0.065 χ^2/NDF : 12190461.3/33

In: 571.404+/-0.096 χ^2/NDF : 4265932.2/32

Out: 304.936+/-0.067 χ^2/NDF : 20359972.1/35

All: 392.703+/-0.055 χ^2/NDF : 29771262.6/68

asym_left_dd_mean vs Slug, Sign Corrected



Right In: 1193.849 $\pm$ 295.046 χ^2/NDF : 11.2/15

Left Out: 1135.391 $\pm$ 260.129 χ^2/NDF : 34.7/17

Right Out: 1026.130 $\pm$ 280.822 χ^2/NDF : 22.5/17

Left In: 673.511 $\pm$ 263.836 χ^2/NDF : 8.0/16

Left: 907.718 $\pm$ 185.236 χ^2/NDF : 44.2/34

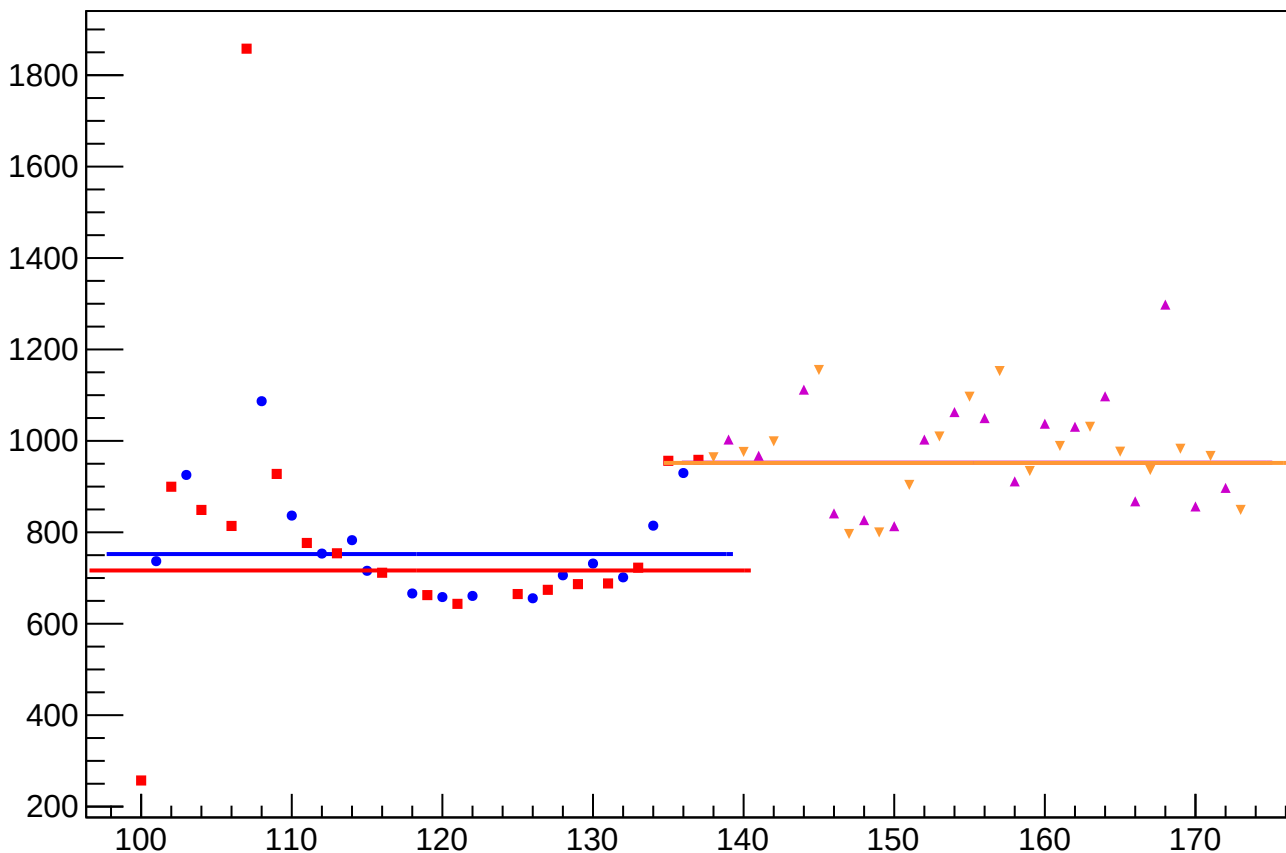
Right: 1105.849 $\pm$ 203.414 χ^2/NDF : 33.9/33

In: 904.713 $\pm$ 196.672 χ^2/NDF : 20.9/32

Out: 1084.934 $\pm$ 190.836 χ^2/NDF : 57.3/35

All: 997.537 $\pm$ 136.958 χ^2/NDF : 78.6/68

asym_left_dd_rms vs Slug, Sign Corrected



Right In: 752.429+/-0.209 χ^2/NDF : 252705.1/15

Left Out: 951.812+/-0.184 χ^2/NDF : 289578.6/17

Right Out: 716.522+/-0.199 χ^2/NDF : 966934.7/17

Left In: 952.375+/-0.187 χ^2/NDF : 388580.6/16

Left: 952.090+/-0.131 χ^2/NDF : 678163.8/34

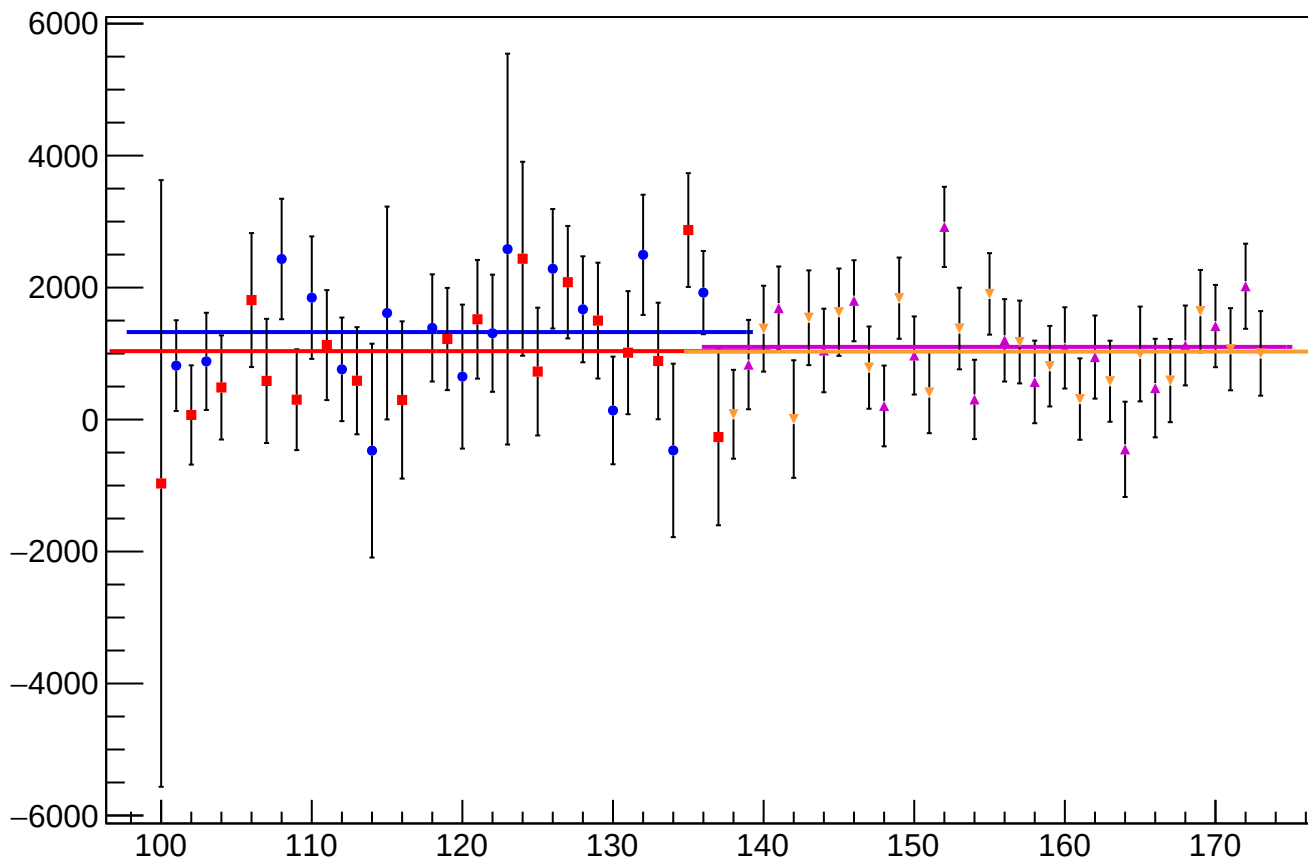
Right: 733.589+/-0.144 χ^2/NDF : 1235181.4/33

In: 863.533+/-0.139 χ^2/NDF : 1151667.8/32

Out: 843.154+/-0.135 χ^2/NDF : 2012155.9/35

All: 853.037+/-0.097 χ^2/NDF : 3174883.2/68

reg_asym_right_avg_mean vs Slug, Sign Corrected



Right In: 1325.776 $\pm$ 218.106 χ^2 /NDF: 12.9/16

Left Out: 1029.984 $\pm$ 147.966 χ^2 /NDF:13.7/18

Right Out: 1037.028 $\pm$ 211.583 χ^2 /NDF: 13.4/18

Left In: 1101.448 $\pm$ 153.348 χ^2 /NDF:23.6/16

Left: 1064.440 $\pm$ 106.480 χ^2 /NDF: 37.4/35

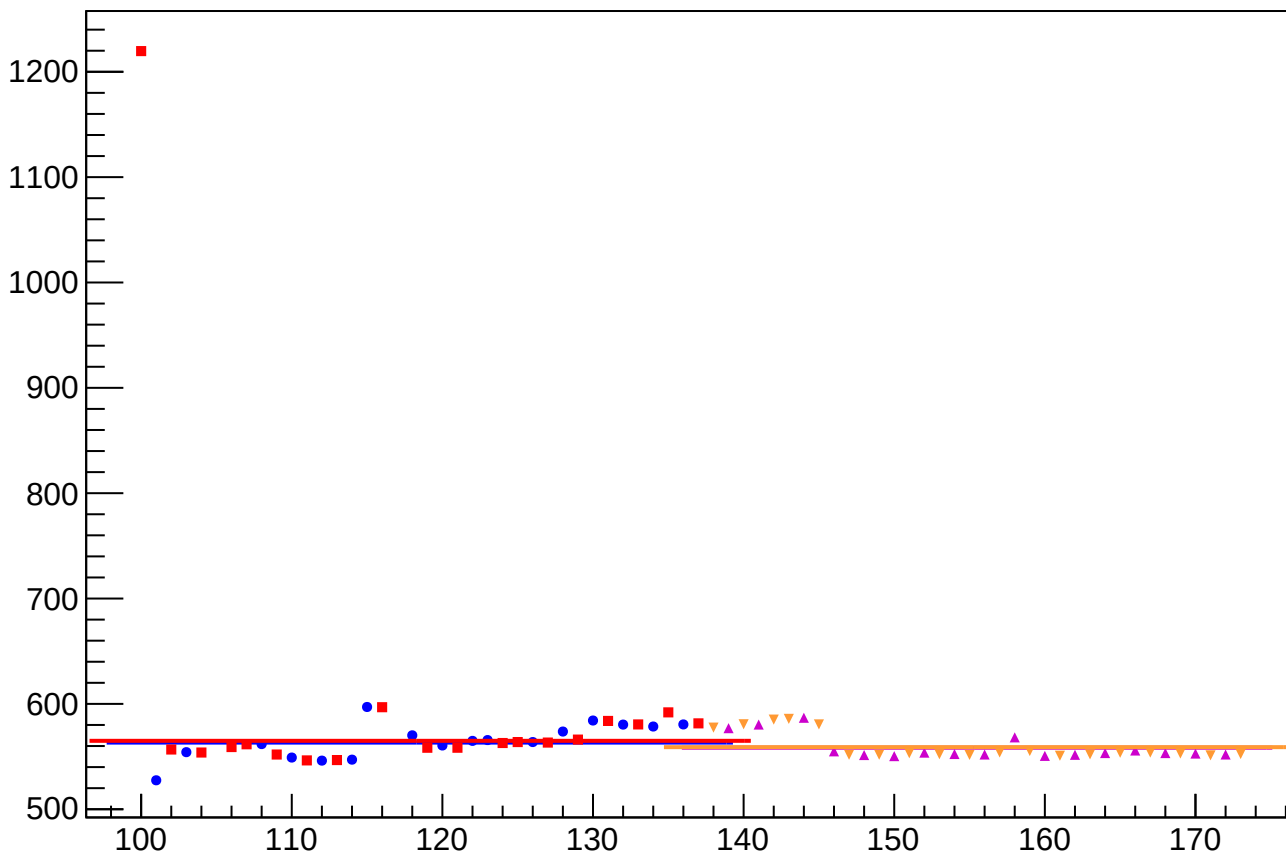
Right: 1177.020 $\pm$ 151.865 χ^2 /NDF: 27.2/35

In: 1175.657 $\pm$ 125.445 χ^2 /NDF:37.2/33

Out: 1032.298 $\pm$ 121.257 χ^2 /NDF:27.1/37

All: 1101.544 $\pm$ 87.185 χ^2 /NDF: 65.0/71

reg_asym_right_avg_rms vs Slug, Sign Corrected



Right In: 563.266 $\pm$ 0.154 χ^2 /NDF: 12520.3/16

Left Out: 558.931 $\pm$ 0.105 χ^2 /NDF:13381.8/18

Right Out: 564.944 $\pm$ 0.150 χ^2 /NDF: 49295.9/18

Left In: 558.405 $\pm$ 0.108 χ^2 /NDF:10829.9/16

Left: 558.678 $\pm$ 0.075 χ^2 /NDF: 24224.0/35

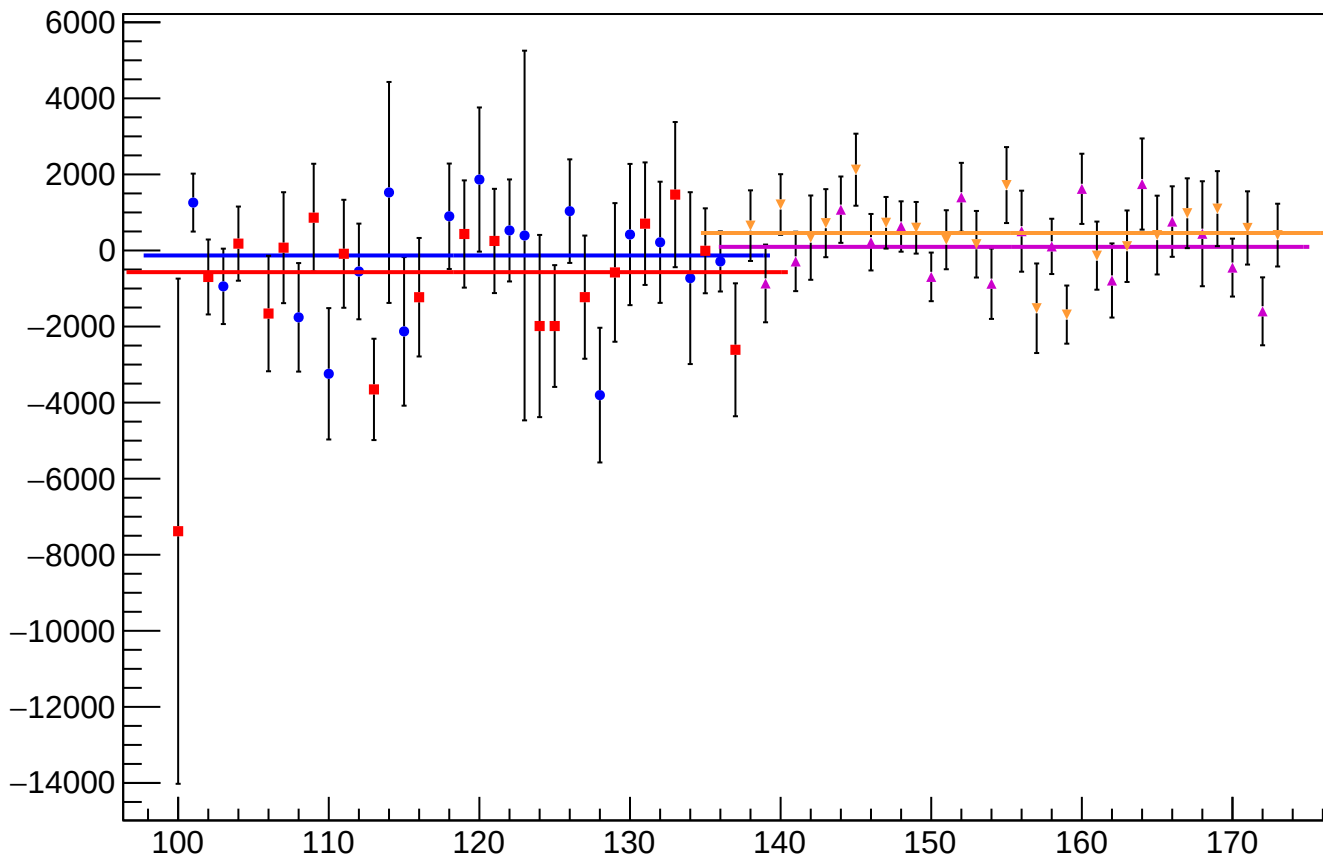
Right: 564.130 $\pm$ 0.107 χ^2 /NDF: 61877.2/35

In: 560.013 $\pm$ 0.089 χ^2 /NDF:24014.9/33

Out: 560.906 $\pm$ 0.086 χ^2 /NDF:63762.4/37

All: 560.475 $\pm$ 0.062 χ^2 /NDF: 87829.7/71

asym_right_avg_correction_mean vs Slug, Sign Corrected



Right In: -131.097 $\pm$ 327.588 χ^2/NDF : 17.2/16

Left Out: 459.626 $\pm$ 201.101 χ^2/NDF : 18.1/18

Right Out: -569.844 $\pm$ 332.404 χ^2/NDF : 14.6/18

Left In: 95.225 $\pm$ 207.605 χ^2/NDF : 18.1/16

Left: 283.224 $\pm$ 144.445 χ^2/NDF : 37.8/35

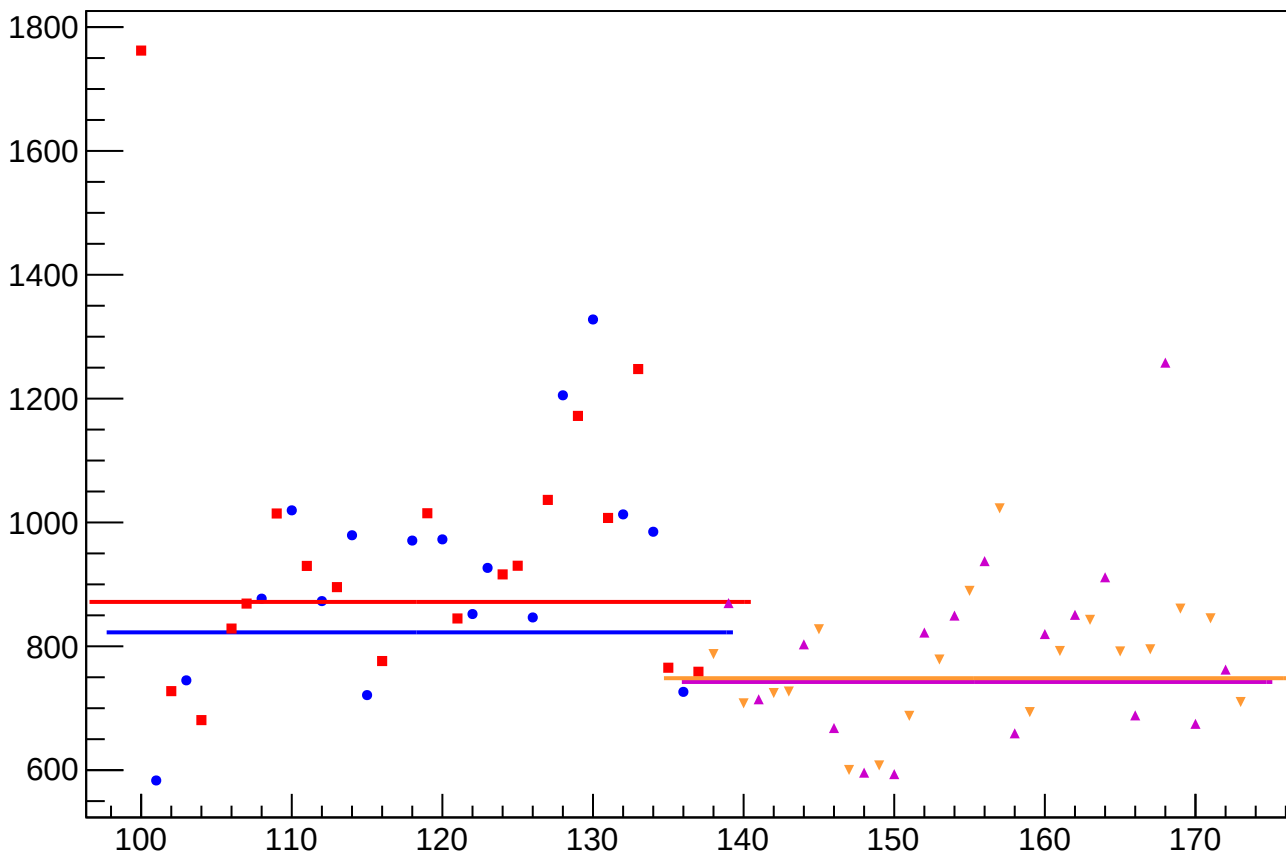
Right: -347.269 $\pm$ 233.324 χ^2/NDF : 32.7/35

In: 30.374 $\pm$ 175.357 χ^2/NDF : 35.6/33

Out: 183.788 $\pm$ 172.063 χ^2/NDF : 39.7/37

All: 108.535 $\pm$ 122.815 χ^2/NDF : 75.7/71

asym_right_avg_correction_rms vs Slug, Sign Corrected



Right In: 822.527 $\pm$ 0.232 χ^2/NDF : 600956.1/16

Left Out: 748.488 $\pm$ 0.142 χ^2/NDF : 463526.8/18

Right Out: 871.679 $\pm$ 0.235 χ^2/NDF : 406857.8/18

Left In: 742.408 $\pm$ 0.147 χ^2/NDF : 786545.9/16

Left: 745.545 $\pm$ 0.102 χ^2/NDF : 1250957.7/35

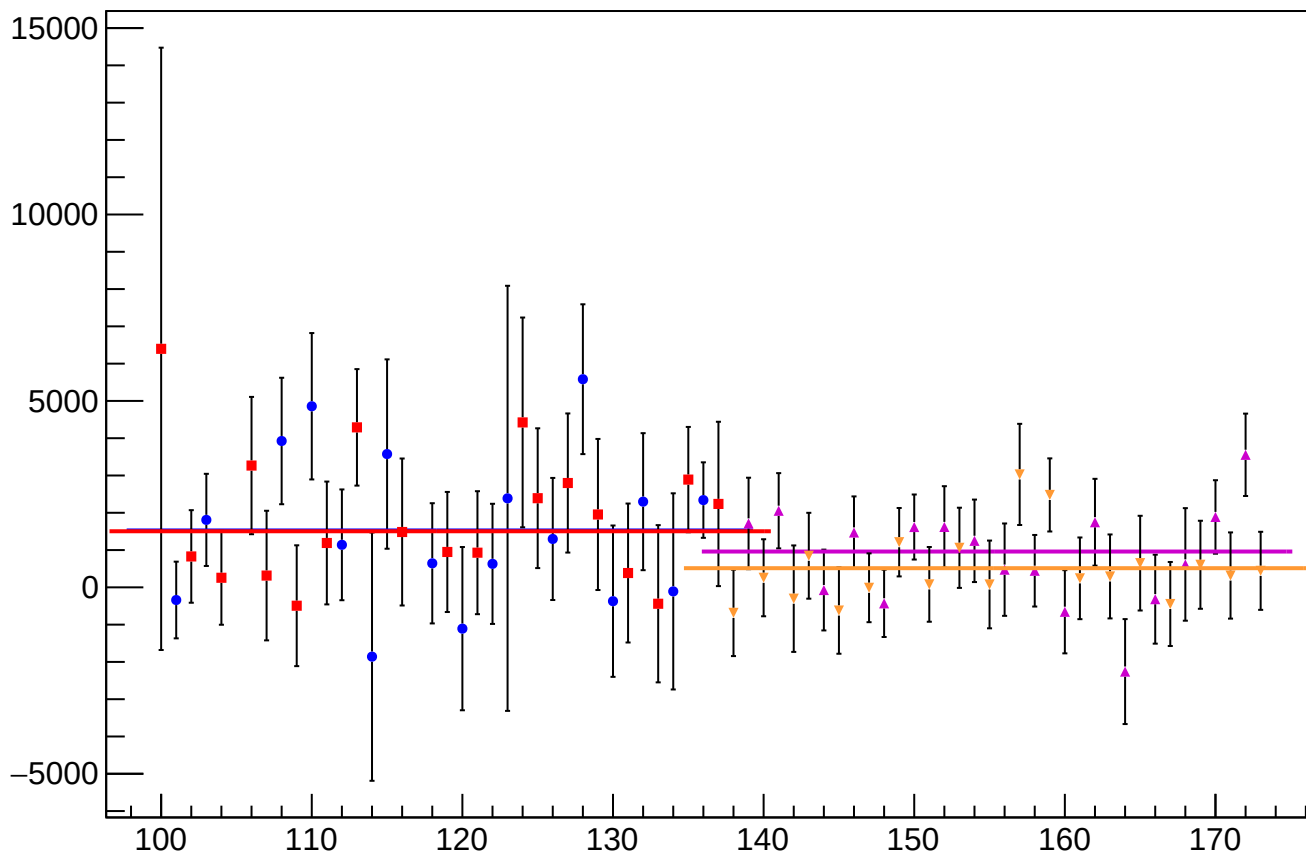
Right: 846.744 $\pm$ 0.165 χ^2/NDF : 1029998.2/35

In: 765.366 $\pm$ 0.124 χ^2/NDF : 1472852.8/33

Out: 781.496 $\pm$ 0.122 χ^2/NDF : 1071477.6/37

All: 773.584 $\pm$ 0.087 χ^2/NDF : 2552952.6/71

asym_right_avg_mean vs Slug, Sign Corrected



Right In: 1525.470 $\pm$ 401.784 χ^2/NDF : 18.2/16

Left Out: 513.871 $\pm$ 253.129 χ^2/NDF : 12.3/18

Right Out: 1504.406 $\pm$ 399.953 χ^2/NDF : 12.1/18

Left In: 960.525 $\pm$ 262.283 χ^2/NDF : 21.9/16

Left: 729.268 $\pm$ 182.140 χ^2/NDF : 35.8/35

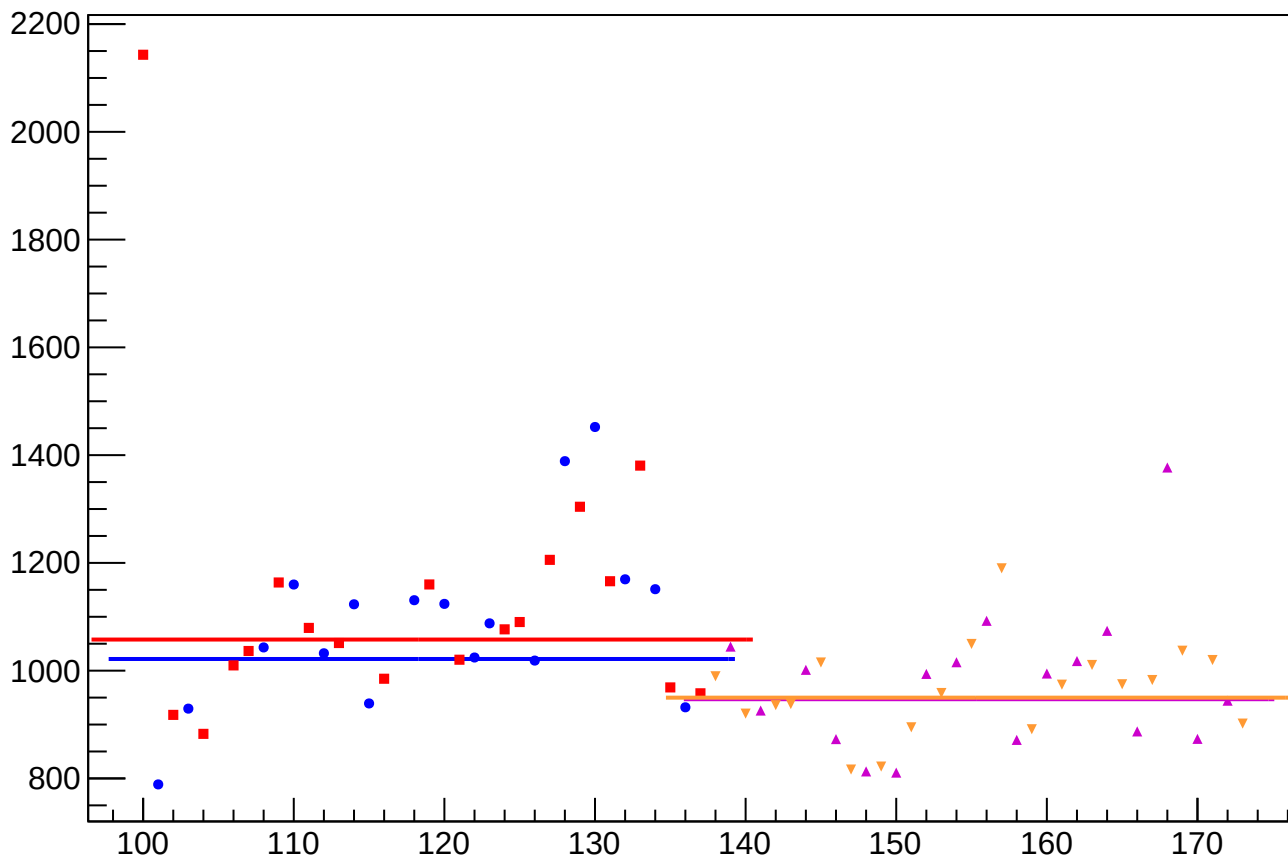
Right: 1514.890 $\pm$ 283.454 χ^2/NDF : 30.4/35

In: 1129.336 $\pm$ 219.629 χ^2/NDF : 41.6/33

Out: 797.163 $\pm$ 213.890 χ^2/NDF : 28.8/37

All: 958.854 $\pm$ 153.232 χ^2/NDF : 71.5/71

asym_right_avg_rms vs Slug, Sign Corrected



Right In: 1021.665 $\pm$ 0.284 χ^2 /NDF: 331949.3/16

Left Out: 949.896 $\pm$ 0.179 χ^2 /NDF:213371.8/18

Right Out: 1057.748 $\pm$ 0.283 χ^2 /NDF: 230944.1/18

Left In: 947.016 $\pm$ 0.185 χ^2 /NDF:380352.1/16

Left: 948.507 $\pm$ 0.129 χ^2 /NDF: 593848.6/35

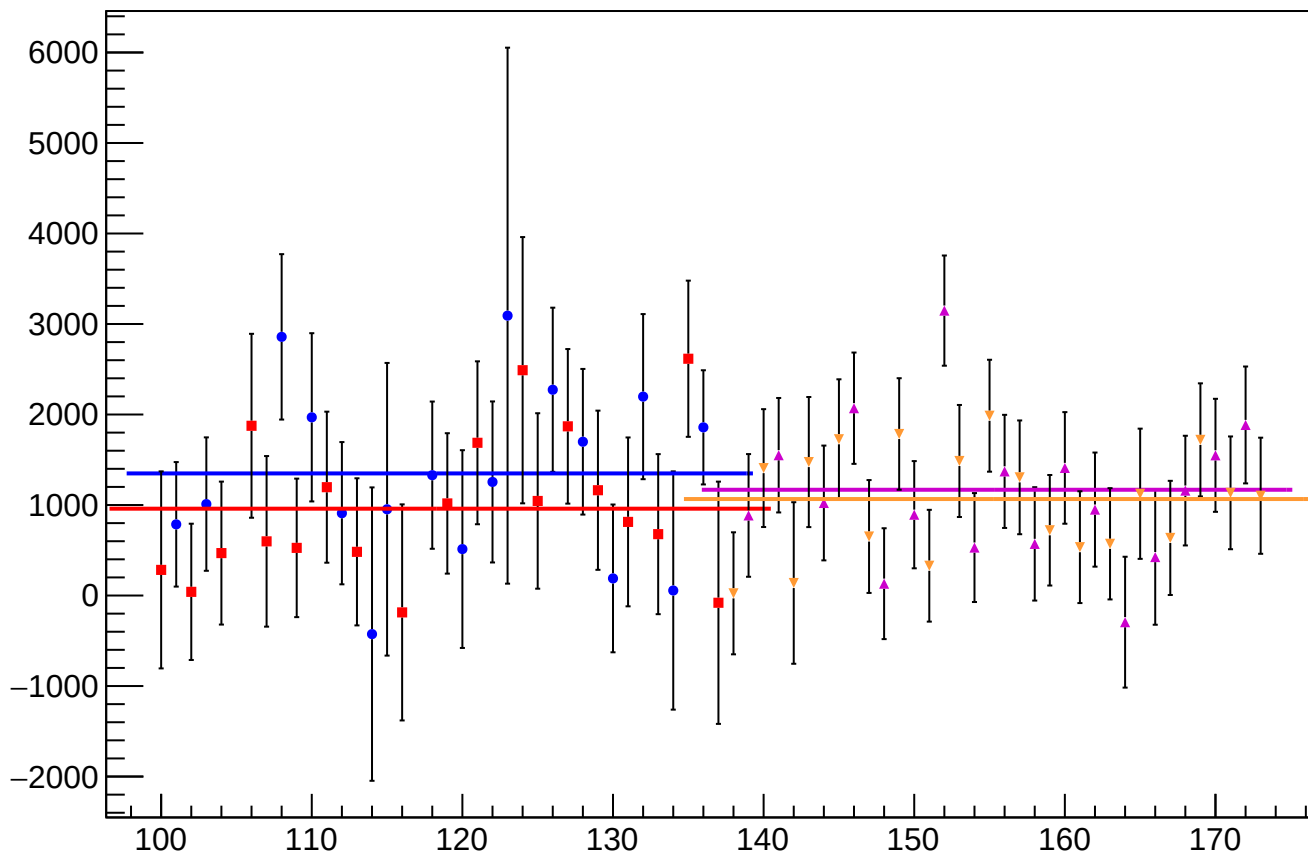
Right: 1039.788 $\pm$ 0.200 χ^2 /NDF: 570995.5/35

In: 969.322 $\pm$ 0.155 χ^2 /NDF:760709.8/33

Out: 980.741 $\pm$ 0.151 χ^2 /NDF:548156.4/37

All: 975.183 $\pm$ 0.108 χ^2 /NDF: 1311641.0/71

reg_asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1349.156+/-218.361 χ^2/NDF : 12.3/16

Left Out: 1066.086+/-148.119 χ^2/NDF :14.4/18

Right Out: 959.496+/-208.143 χ^2/NDF : 12.2/18

Left In: 1168.591+/-153.517 χ^2/NDF :25.5/16

Left: 1115.504+/-106.593 χ^2/NDF : 40.1/35

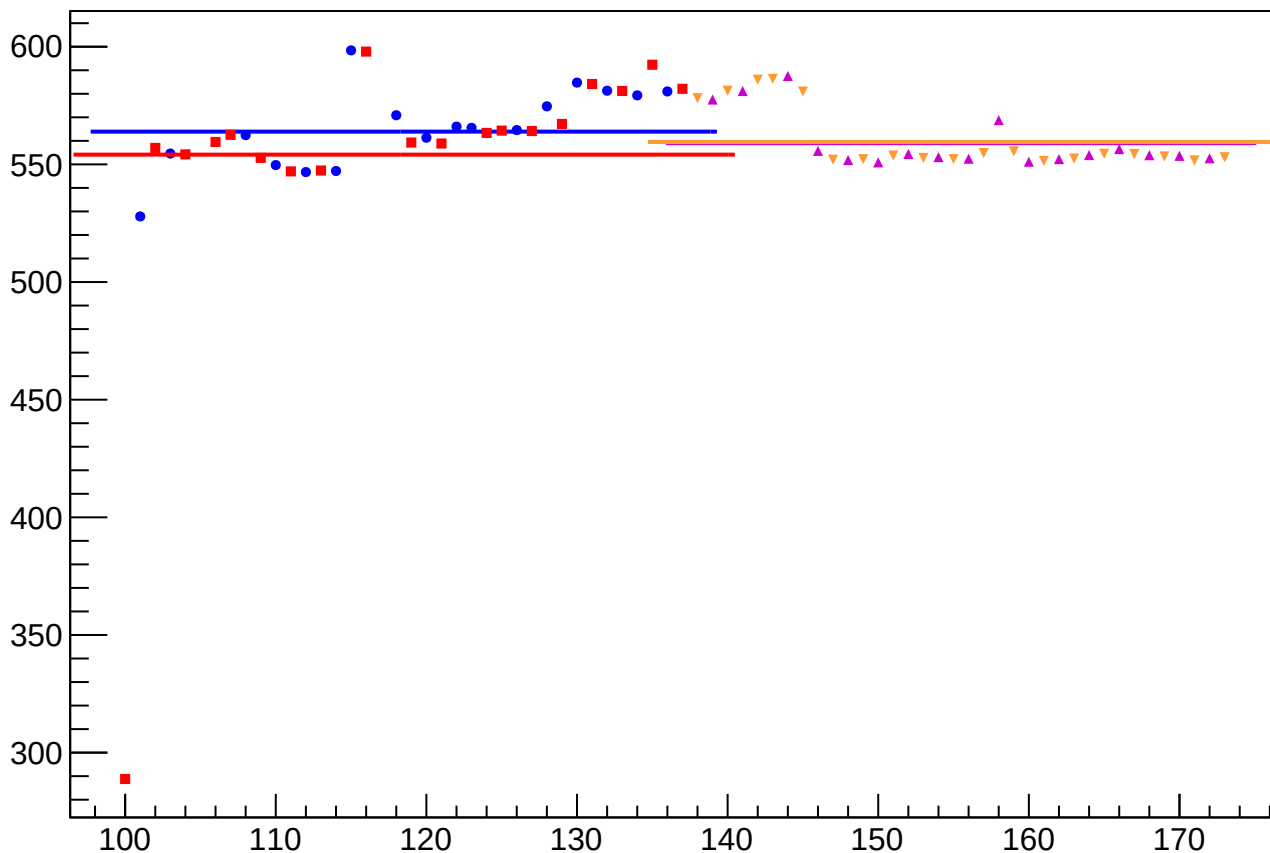
Right: 1144.995+/-150.662 χ^2/NDF : 26.2/35

In: 1228.317+/-125.586 χ^2/NDF :38.3/33

Out: 1030.254+/-120.681 χ^2/NDF :26.8/37

All: 1125.342+/-87.017 χ^2/NDF : 66.4/71

reg_asym_right_dd_rms vs Slug, Sign Corrected



Right In: 563.922 ± 0.154 χ^2/NDF : 12663.1/16

Left Out: 559.506 ± 0.105 χ^2/NDF : 13412.1/18

Right Out: 554.145 ± 0.147 χ^2/NDF : 131965.1/18

Left In: 559.018 ± 0.109 χ^2/NDF : 10909.6/16

Left: 559.271 ± 0.075 χ^2/NDF : 24332.1/35

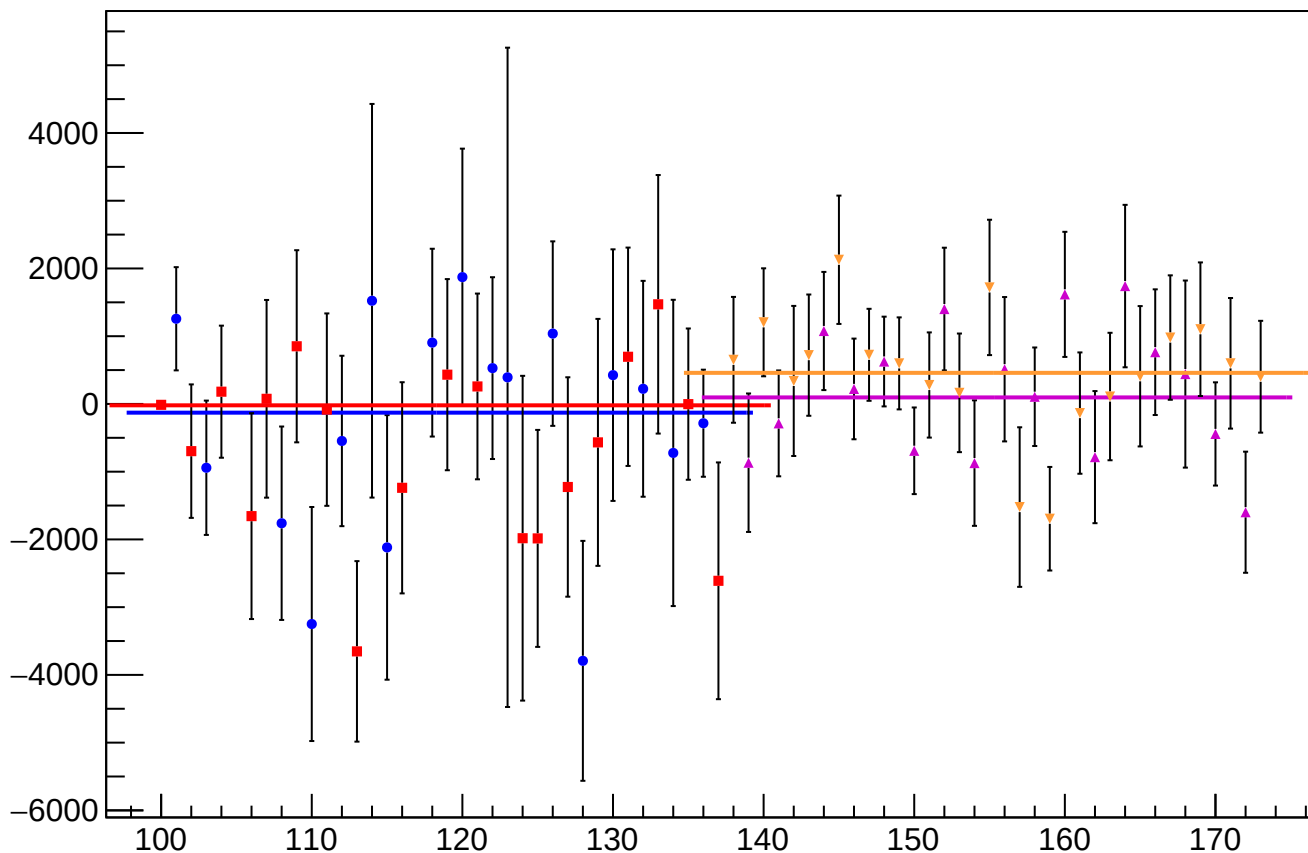
Right: 558.799 ± 0.107 χ^2/NDF : 146729.2/35

In: 560.640 ± 0.089 χ^2/NDF : 24247.8/33

Out: 557.704 ± 0.085 χ^2/NDF : 146258.2/37

All: 559.114 ± 0.062 χ^2/NDF : 171074.4/71

asym_right_dd_correction_mean vs Slug, Sign Corrected



Right In: -128.725 $\pm$ 327.688 χ^2/NDF : 17.2/16

Left Out: 459.036 $\pm$ 201.170 χ^2/NDF : 18.2/18

Right Out: -20.384 $\pm$ 38.954 χ^2/NDF : 16.1/18

Left In: 96.316 $\pm$ 207.707 χ^2/NDF : 18.0/16

Left: 283.474 $\pm$ 144.504 χ^2/NDF : 37.8/35

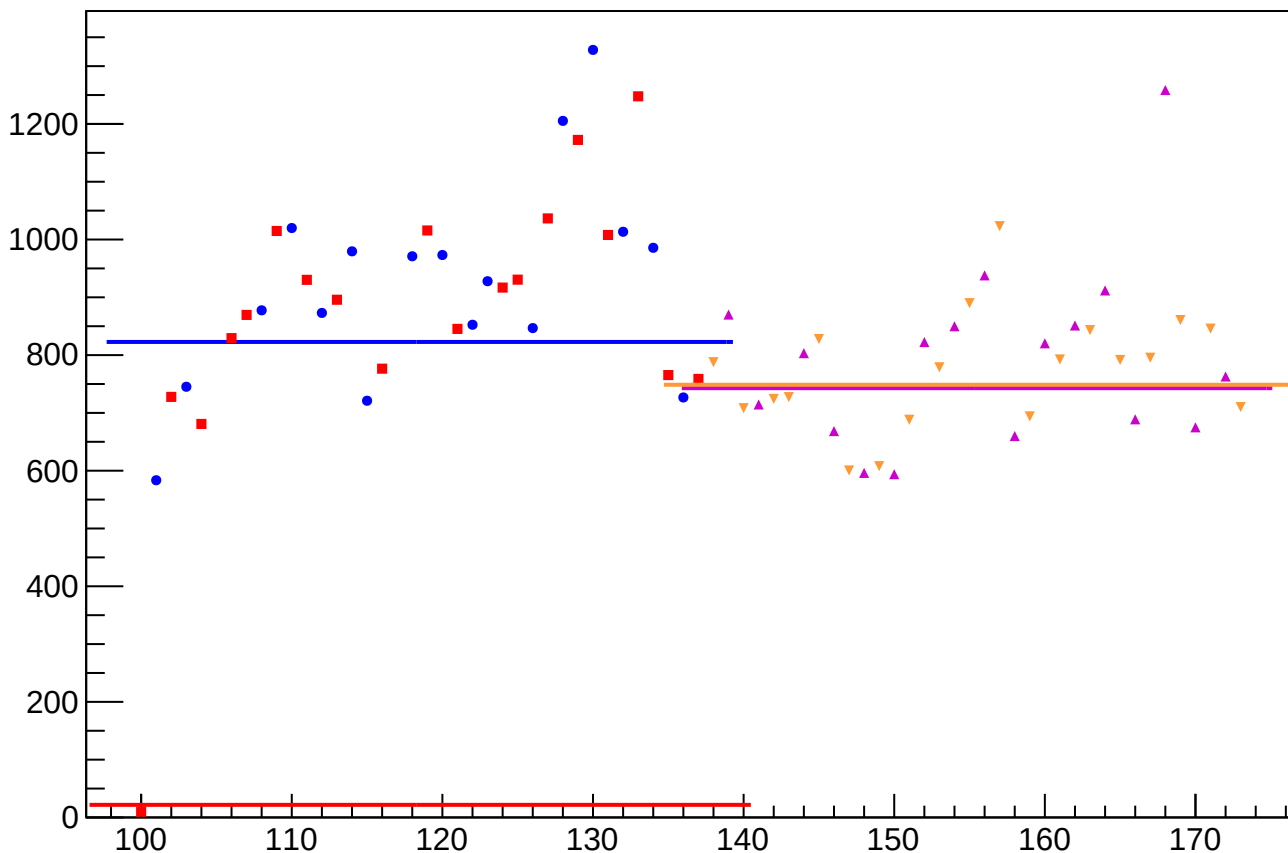
Right: -21.894 $\pm$ 38.682 χ^2/NDF : 33.4/35

In: 31.816 $\pm$ 175.433 χ^2/NDF : 35.5/33

Out: -3.057 $\pm$ 38.244 χ^2/NDF : 39.8/37

All: -1.475 $\pm$ 37.366 χ^2/NDF : 75.3/71

asym_right_dd_correction_rms vs Slug, Sign Corrected



Right In: 822.780 $\pm$ 0.232 χ^2 /NDF: 600873.9/16

Left Out: 748.735 $\pm$ 0.142 χ^2 /NDF: 463604.0/18

Right Out: 21.812 $\pm$ 0.028 χ^2 /NDF: 13523611.9/18

Left In: 742.776 $\pm$ 0.147 χ^2 /NDF: 786294.2/16

Left: 745.851 $\pm$ 0.102 χ^2 /NDF: 1250747.3/35

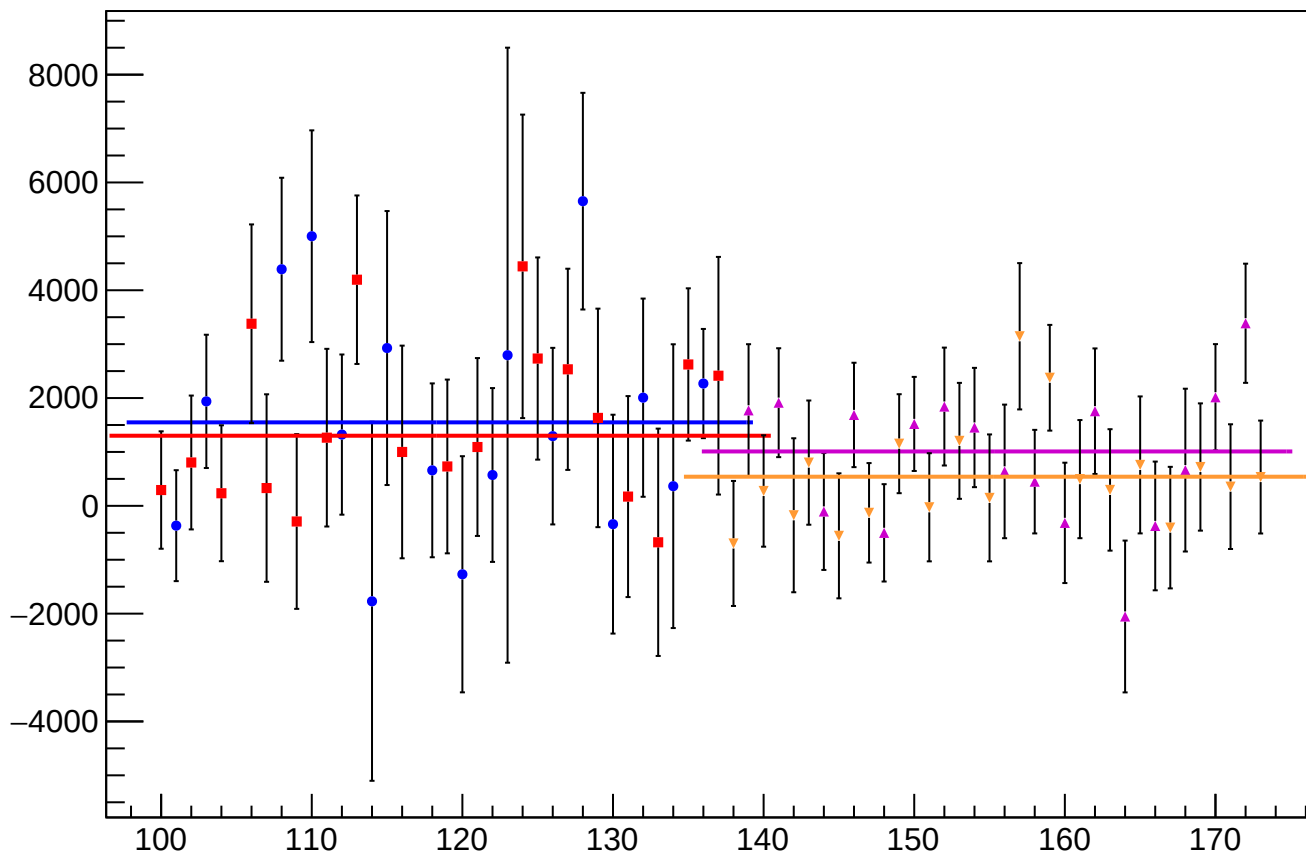
Right: 32.973 $\pm$ 0.027 χ^2 /NDF: 25907183.1/35

In: 765.707 $\pm$ 0.124 χ^2 /NDF: 1472213.0/33

Out: 48.084 $\pm$ 0.027 χ^2 /NDF: 39157897.2/37

All: 80.640 $\pm$ 0.026 χ^2 /NDF: 72577576.9/71

asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1548.873 $\pm$ 402.008 χ^2 /NDF: 19.0/16

Left Out: 540.568 $\pm$ 253.273 χ^2 /NDF:12.2/18

Right Out: 1300.945 $\pm$ 376.043 χ^2 /NDF: 12.5/18

Left In: 1009.134 $\pm$ 262.468 χ^2 /NDF:20.6/16

Left: 766.500 $\pm$ 182.255 χ^2 /NDF: 34.5/35

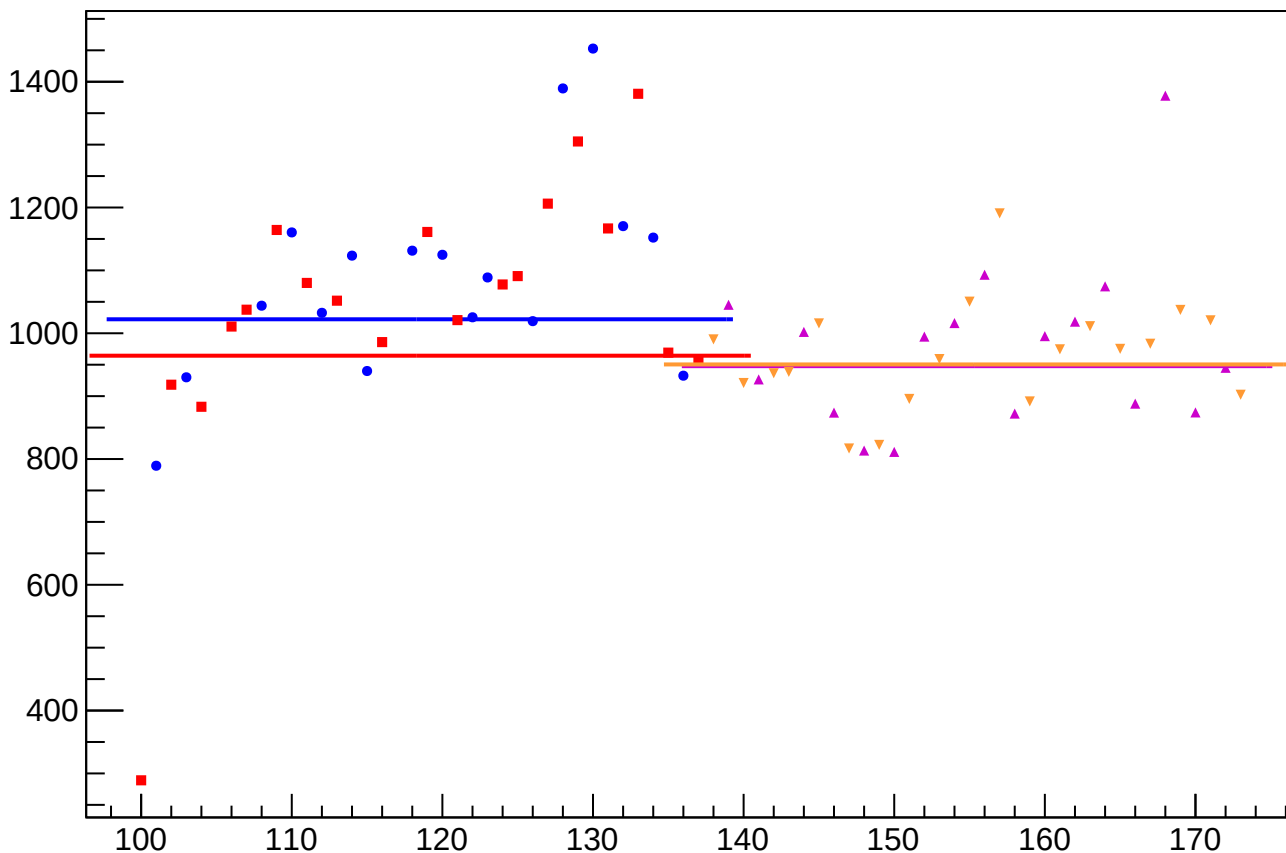
Right: 1416.645 $\pm$ 274.624 χ^2 /NDF: 31.7/35

In: 1170.445 $\pm$ 219.774 χ^2 /NDF:40.9/33

Out: 777.857 $\pm$ 210.069 χ^2 /NDF:27.6/37

All: 965.292 $\pm$ 151.856 χ^2 /NDF: 70.1/71

asym_right_dd_rms vs Slug, Sign Corrected



Right In: 1022.241+/-0.284 χ^2/NDF : 331865.9/16

Left Out: 950.431+/-0.179 χ^2/NDF : 213476.7/18

Right Out: 964.330+/-0.266 χ^2/NDF : 1067281.2/18

Left In: 947.689+/-0.186 χ^2/NDF : 380066.1/16

Left: 949.109+/-0.129 χ^2/NDF : 593655.8/35

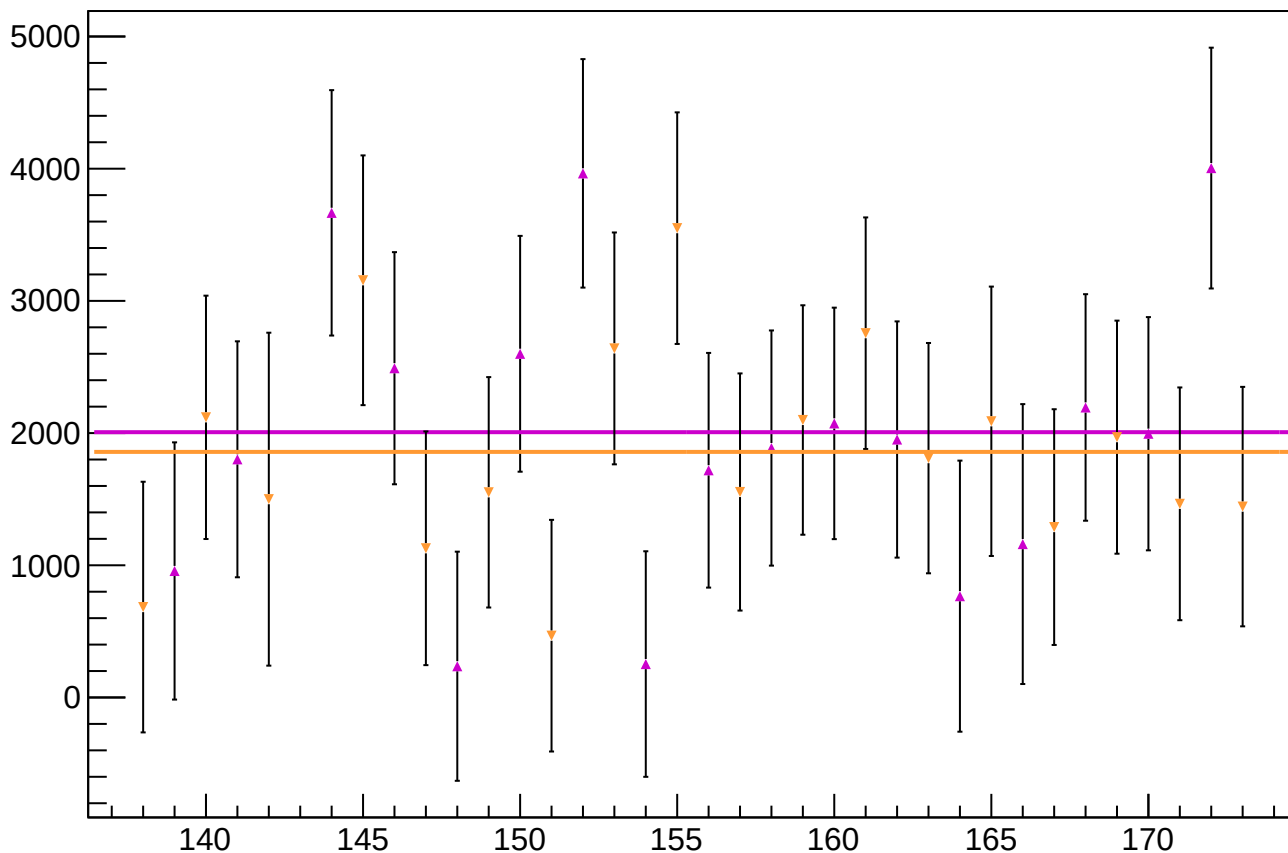
Right: 991.355+/-0.194 χ^2/NDF : 1421282.7/35

In: 969.971+/-0.155 χ^2/NDF : 760157.9/33

Out: 954.768+/-0.149 χ^2/NDF : 1282637.4/37

All: 962.026+/-0.107 χ^2/NDF : 2047796.0/71

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1857.693+/-214.390 χ^2/NDF :13.6/17

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

Left In: 2006.804+/-218.961 χ^2/NDF :25.8/16

Left: 1930.676+/-153.187 χ^2/NDF : 39.6/34

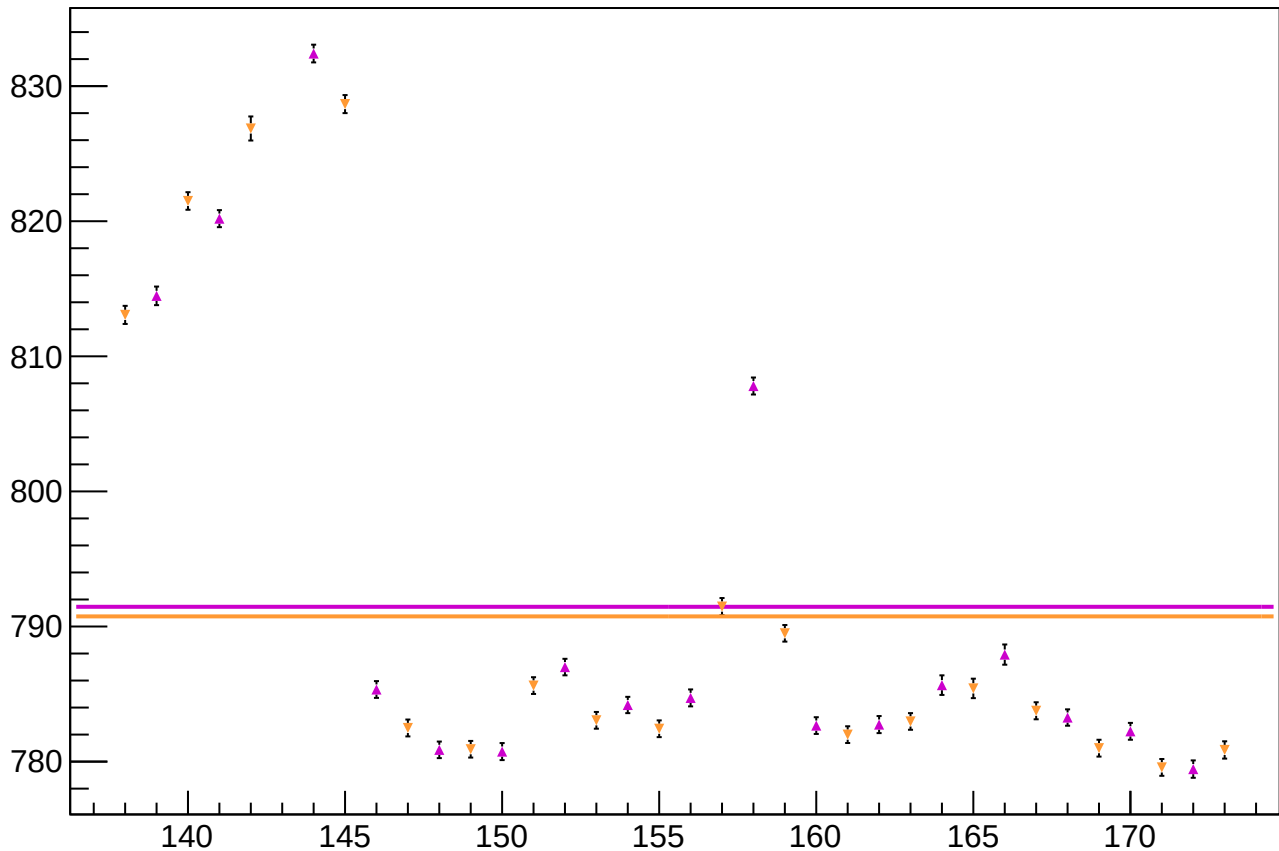
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2006.804+/-218.961 χ^2/NDF :25.8/16

Out: 1857.693+/-214.390 χ^2/NDF :13.6/17

All: 1930.676+/-153.187 χ^2/NDF : 39.6/34

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 790.748+/-0.152 χ^2/NDF :10388.4/17

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

Left In: 791.459+/-0.155 χ^2/NDF :9986.8/16

Left: 791.096+/-0.108 χ^2/NDF : 20386.0/34

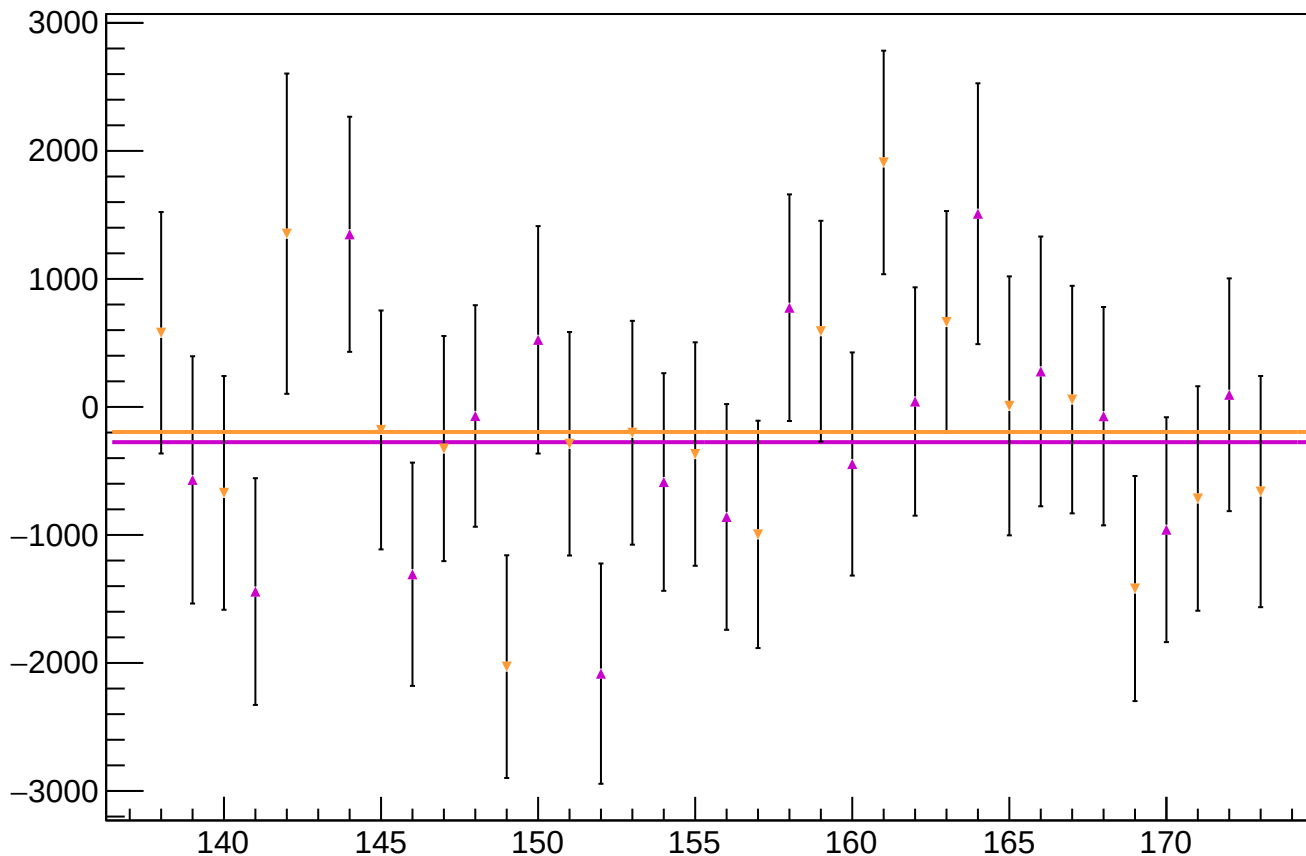
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 791.459+/-0.155 χ^2/NDF :9986.8/16

Out: 790.748+/-0.152 χ^2/NDF :10388.4/17

All: 791.096+/-0.108 χ^2/NDF : 20386.0/34

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -195.535+/-213.312 χ^2/NDF :18.1/17

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

Left In: -275.247+/-217.875 χ^2/NDF :18.0/16

Left: -234.547+/-152.422 χ^2/NDF : 36.1/34

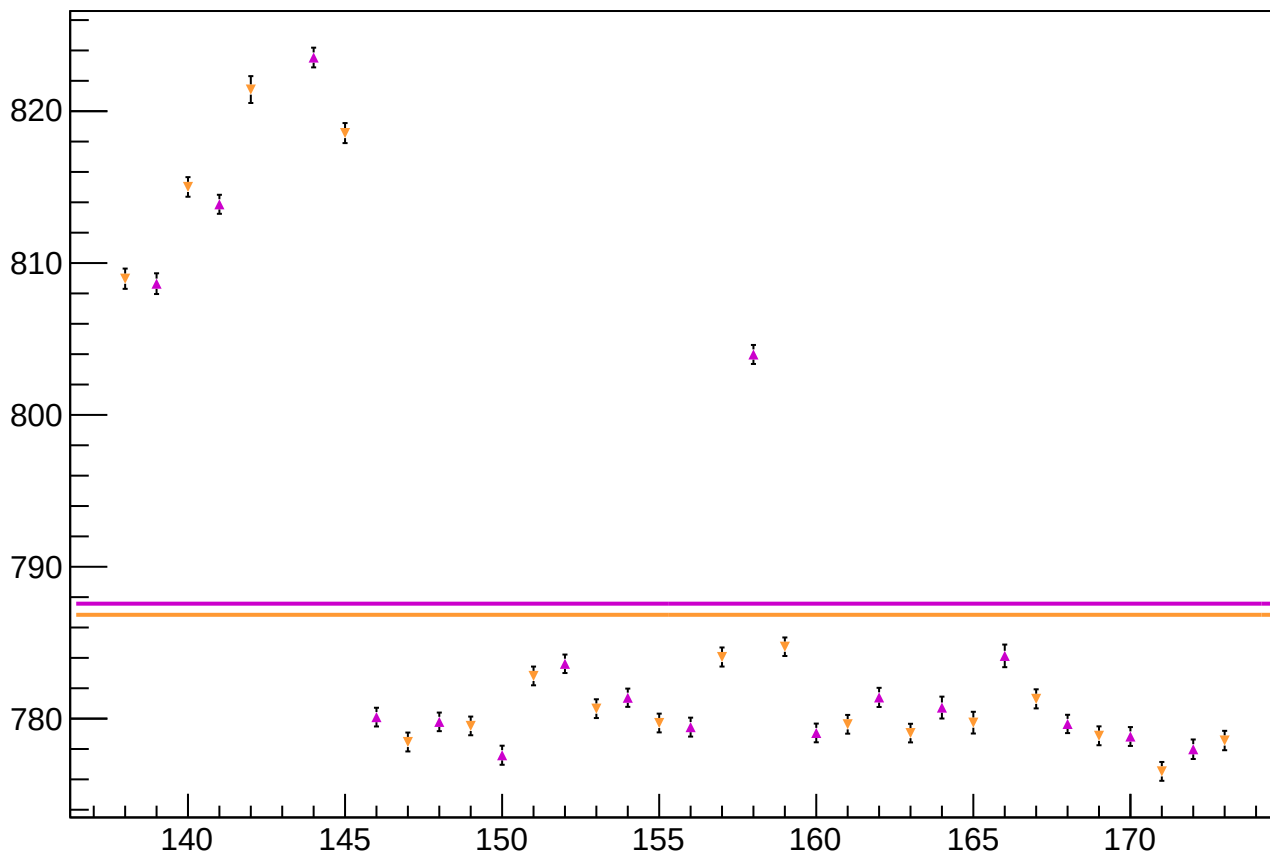
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -275.247+/-217.875 χ^2/NDF :18.0/16

Out: -195.535+/-213.312 χ^2/NDF :18.1/17

All: -234.547+/-152.422 χ^2/NDF : 36.1/34

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 786.837+/-0.151 χ^2/NDF :8559.4/17

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

Left In: 787.570+/-0.154 χ^2/NDF :8342.1/16

Left: 787.196+/-0.108 χ^2/NDF : 16913.0/34

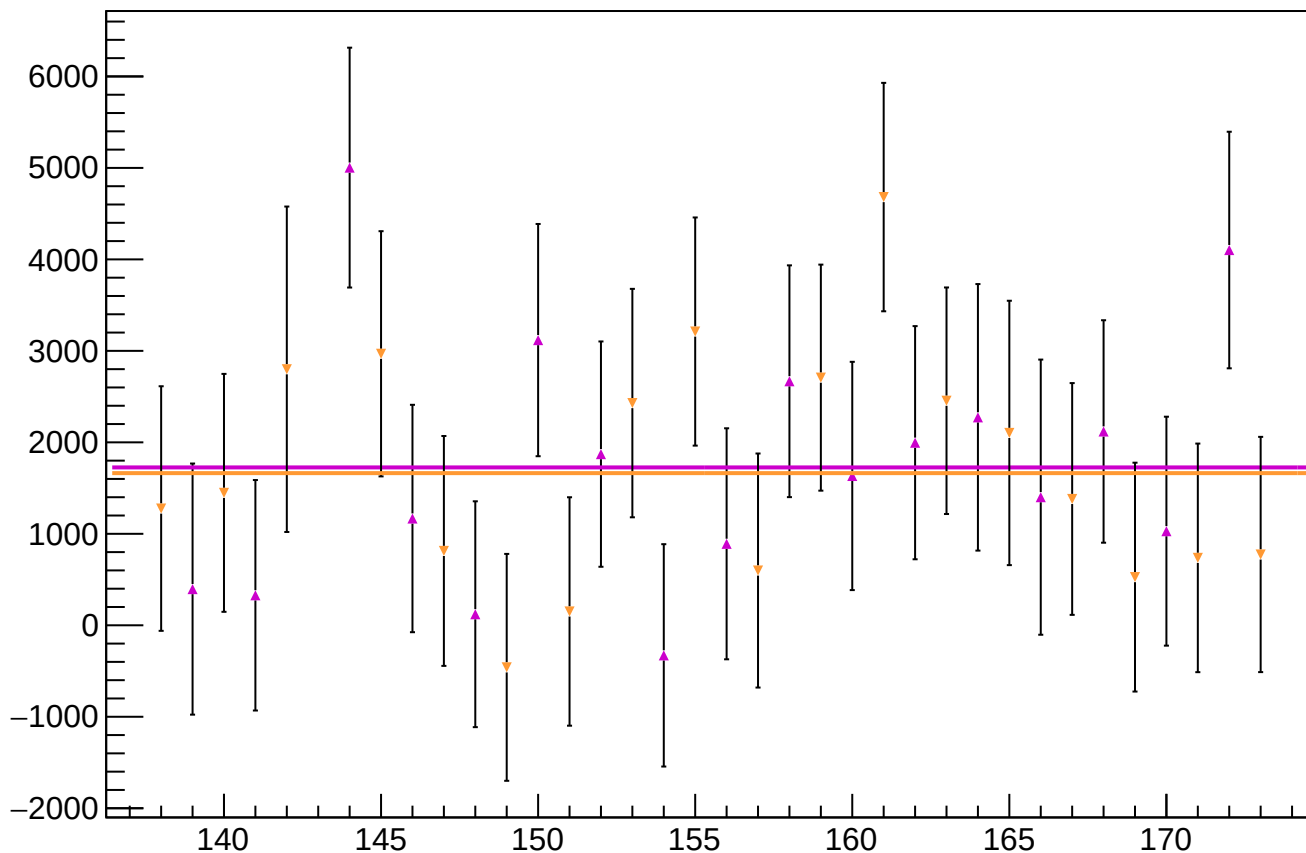
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 787.570+/-0.154 χ^2/NDF :8342.1/16

Out: 786.837+/-0.151 χ^2/NDF :8559.4/17

All: 787.196+/-0.108 χ^2/NDF : 16913.0/34

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1663.395+/-304.589 χ^2/NDF :17.9/17

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

Left In: 1725.854+/-311.026 χ^2/NDF :19.4/16

Left: 1693.971+/-217.617 χ^2/NDF : 37.3/34

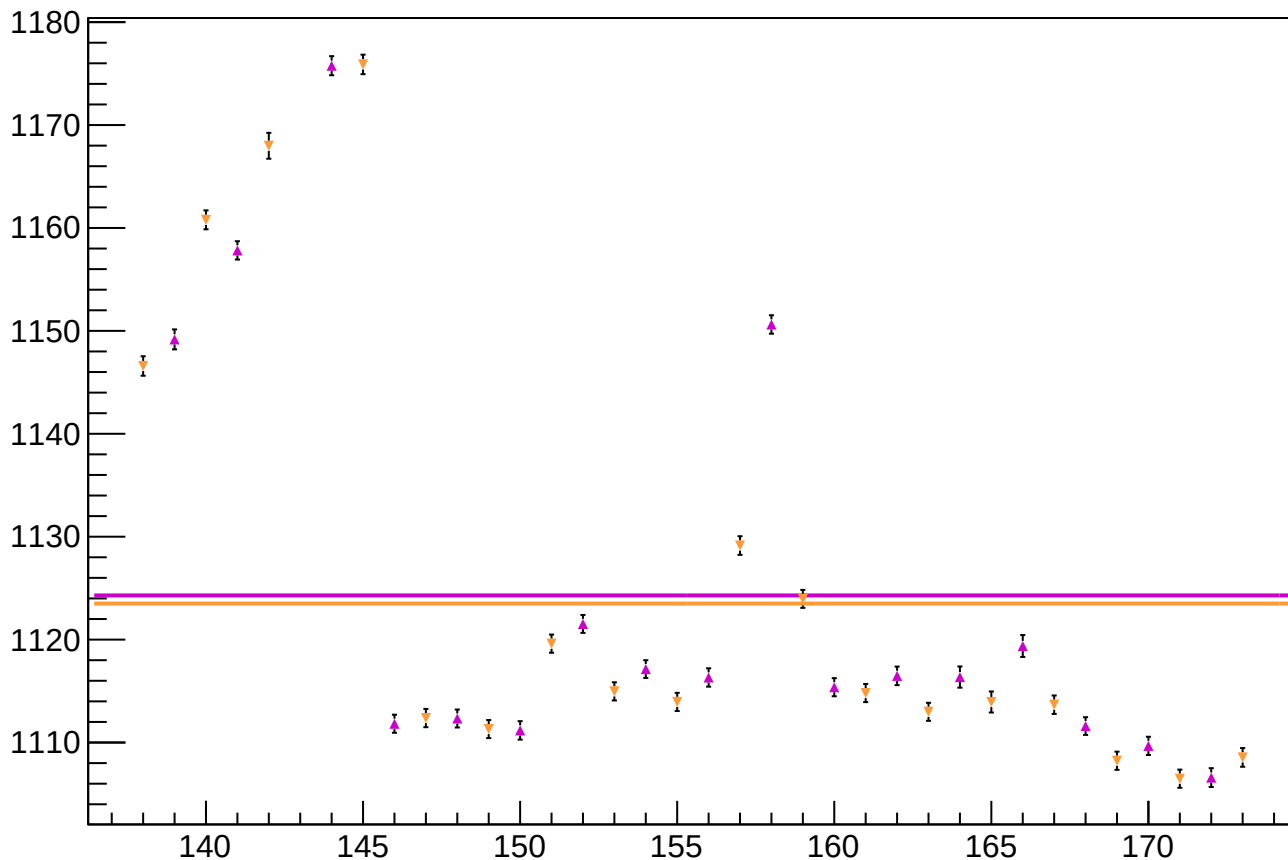
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1725.854+/-311.026 χ^2/NDF :19.4/16

Out: 1663.395+/-304.589 χ^2/NDF :17.9/17

All: 1693.971+/-217.617 χ^2/NDF : 37.3/34

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1123.502+/-0.215 χ^2/NDF : 8555.0/17

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

Left In: 1124.294+/-0.220 χ^2/NDF : 7905.5/16

Left: 1123.889+/-0.154 χ^2/NDF : 16467.1/34

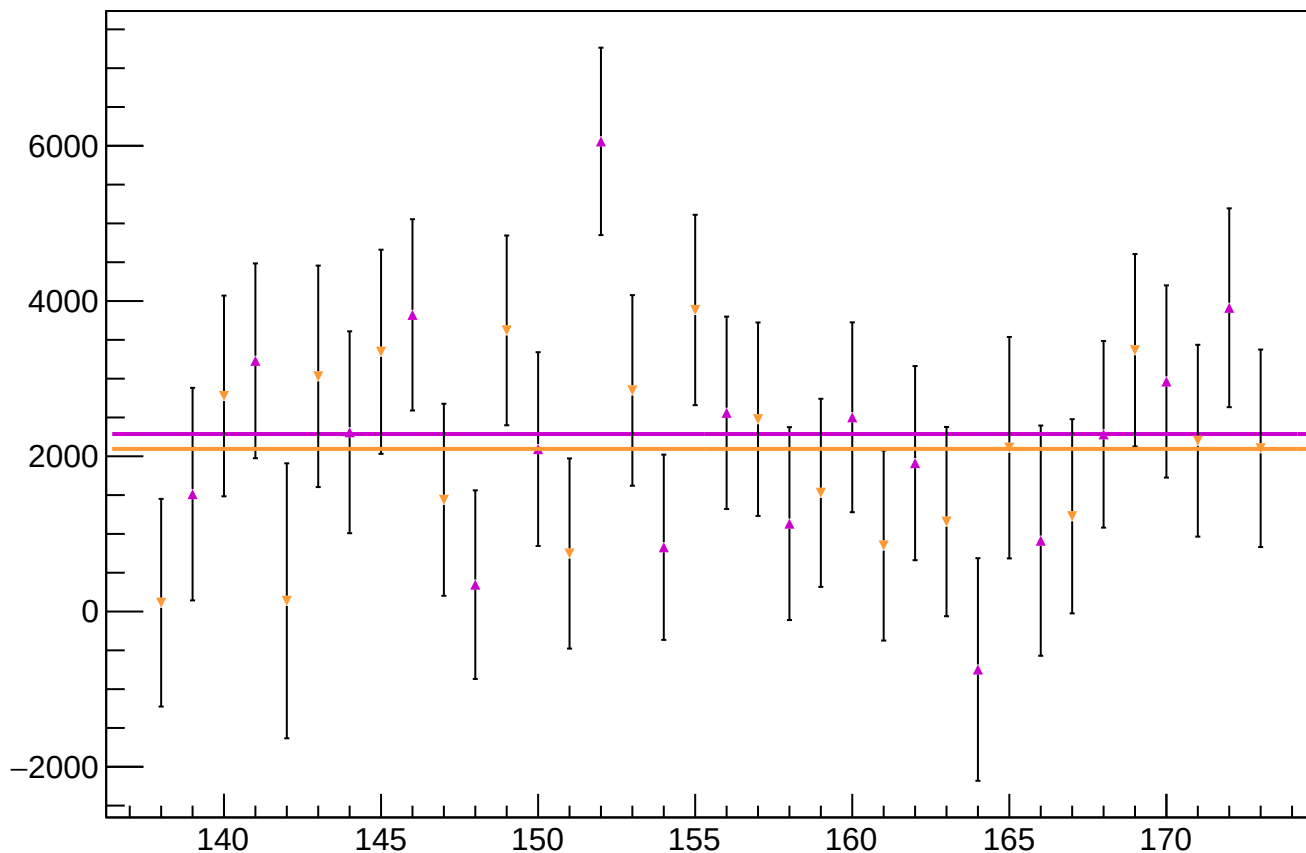
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1124.294+/-0.220 χ^2/NDF : 7905.5/16

Out: 1123.502+/-0.215 χ^2/NDF : 8555.0/17

All: 1123.889+/-0.154 χ^2/NDF : 16467.1/34

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2095.310+/-293.830 χ^2/NDF :14.1/18

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

Left In: 2286.702+/-306.736 χ^2/NDF :24.5/16

Left: 2186.895+/-212.185 χ^2/NDF : 38.8/35

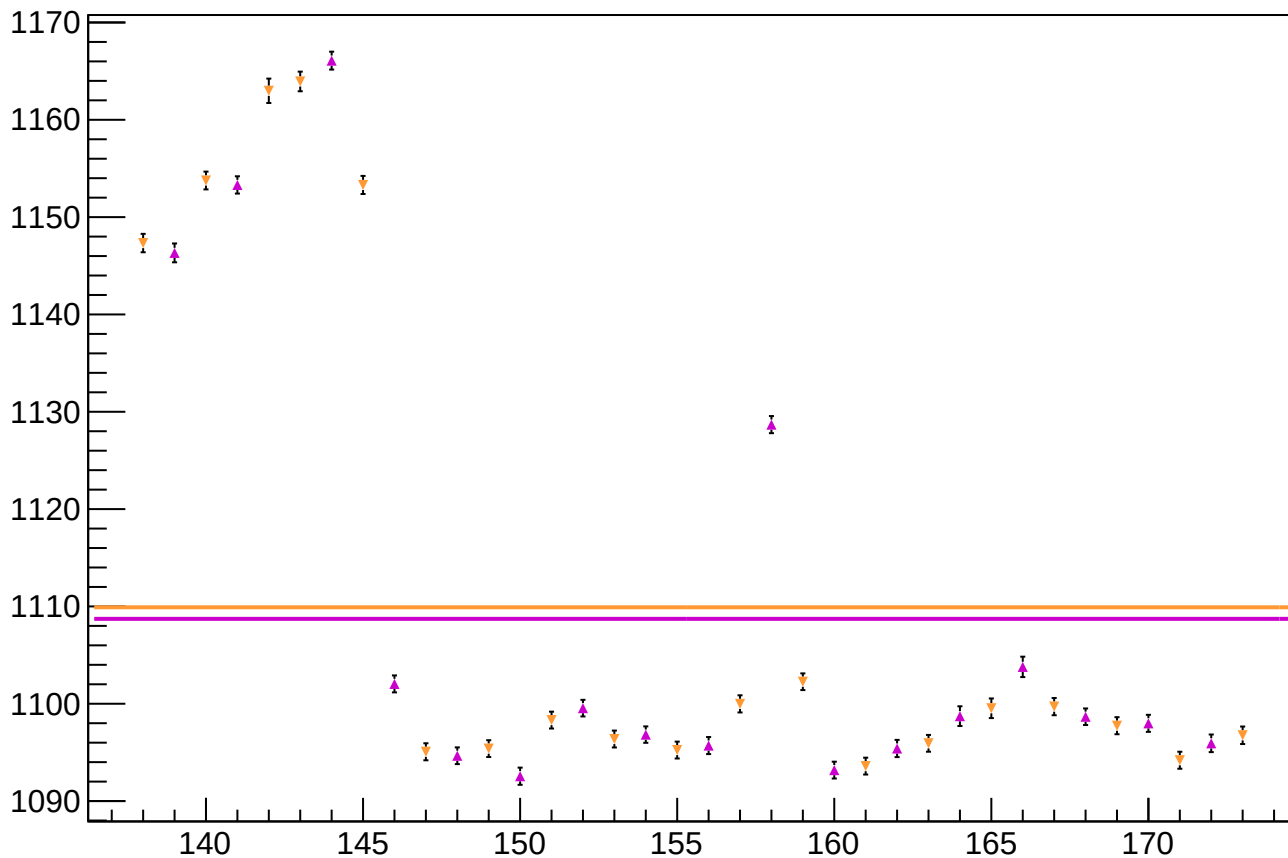
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2286.702+/-306.736 χ^2/NDF :24.5/16

Out: 2095.310+/-293.830 χ^2/NDF :14.1/18

All: 2186.895+/-212.185 χ^2/NDF : 38.8/35

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1109.910+/-0.208 χ^2/NDF :13781.9/18

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

Left In: 1108.724+/-0.217 χ^2/NDF :10797.6/16

Left: 1109.342+/-0.150 χ^2/NDF : 24595.1/35

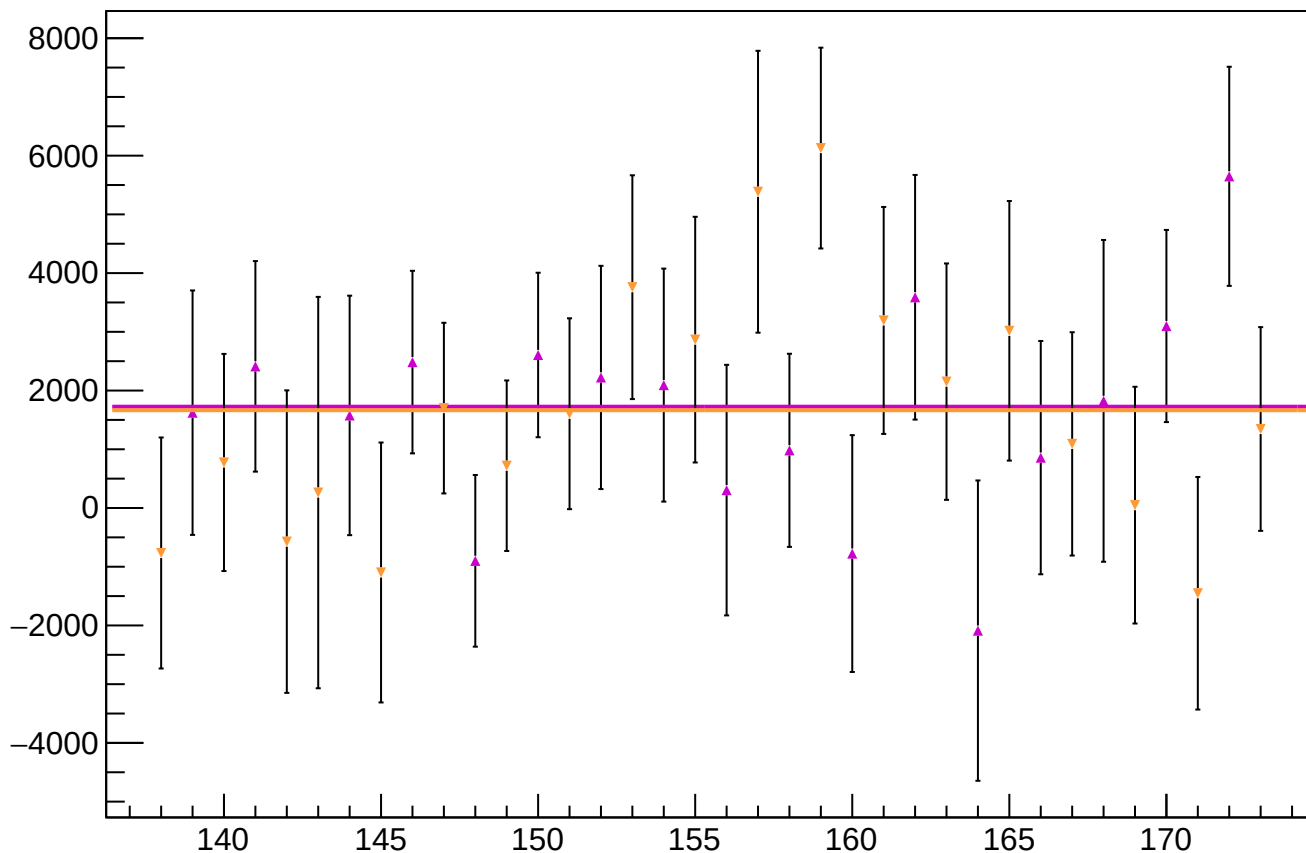
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1108.724+/-0.217 χ^2/NDF :10797.6/16

Out: 1109.910+/-0.208 χ^2/NDF :13781.9/18

All: 1109.342+/-0.150 χ^2/NDF : 24595.1/35

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1665.749+/-439.732 χ^2/NDF :19.7/18

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

Left In: 1724.820+/-448.487 χ^2/NDF :14.6/16

Left: 1694.702+/-313.987 χ^2/NDF : 34.4/35

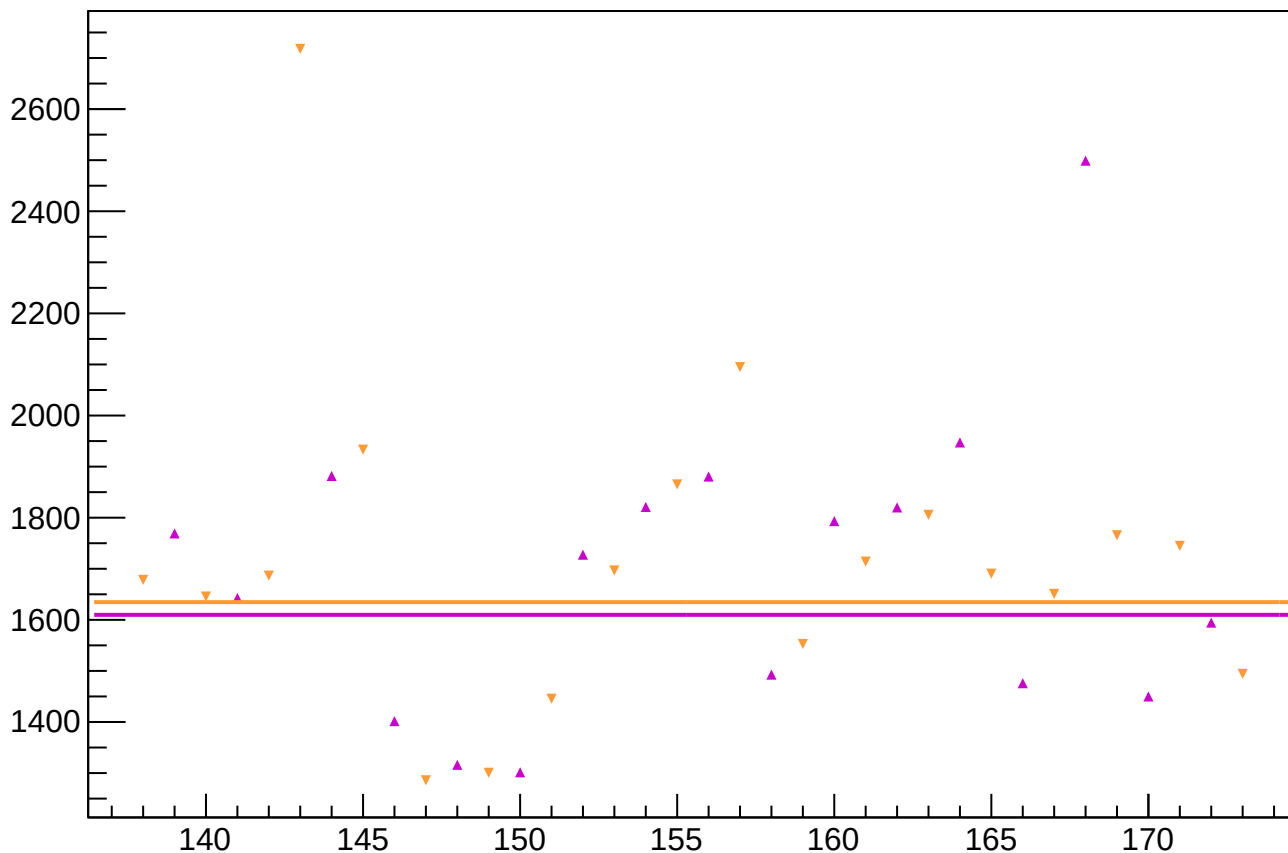
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1724.820+/-448.487 χ^2/NDF :14.6/16

Out: 1665.749+/-439.732 χ^2/NDF :19.7/18

All: 1694.702+/-313.987 χ^2/NDF : 34.4/35

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1634.676+/-0.311 χ^2/NDF :649256.6/18

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

Left In: 1609.789+/-0.317 χ^2/NDF :644885.6/16

Left: 1622.478+/-0.222 χ^2/NDF : 1297282.0/35

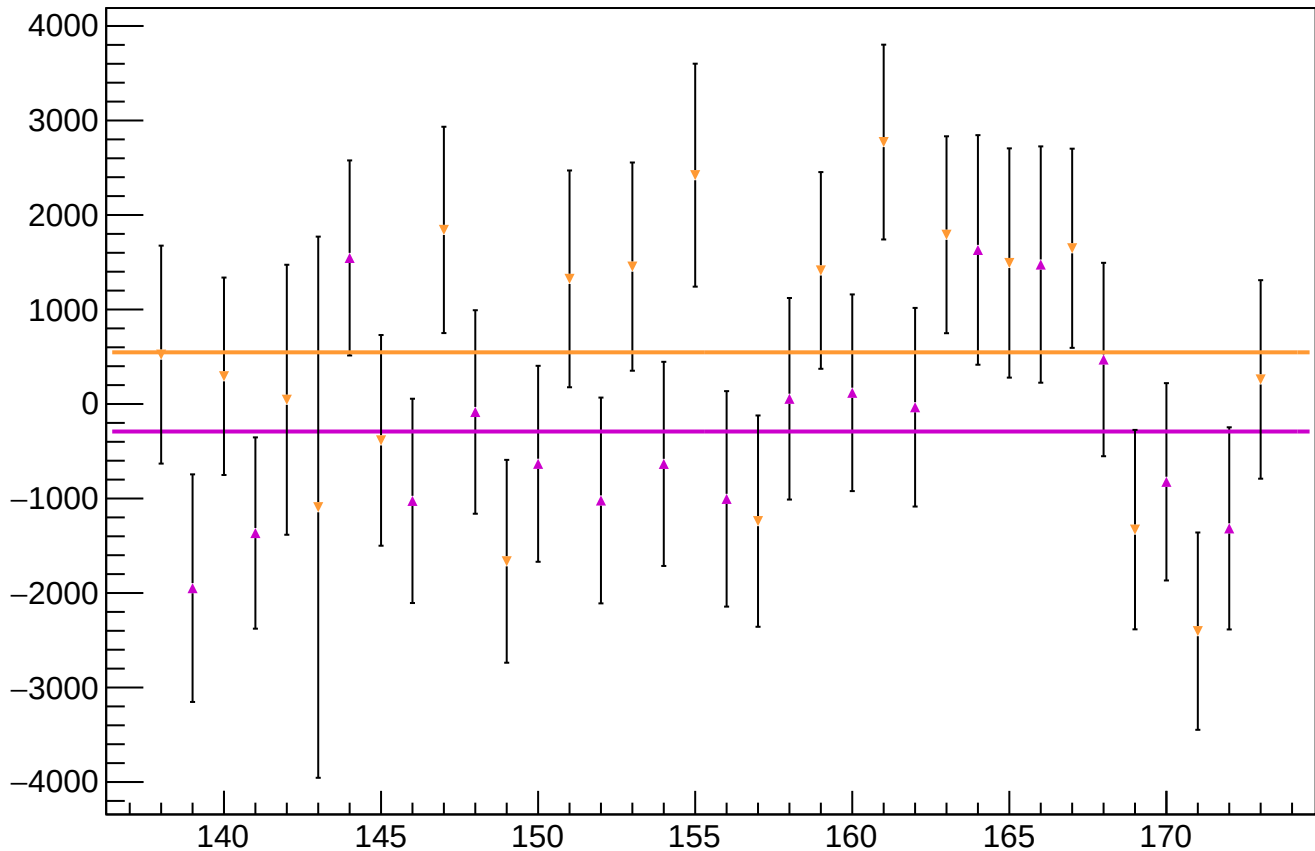
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1609.789+/-0.317 χ^2/NDF :644885.6/16

Out: 1634.676+/-0.311 χ^2/NDF :649256.6/18

All: 1622.478+/-0.222 χ^2/NDF : 1297282.0/35

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 546.836+/-258.343 χ^2/NDF :32.8/18

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

Left In: -291.130+/-262.649 χ^2/NDF :14.3/16

Left: 134.779+/-184.180 χ^2/NDF : 52.2/35

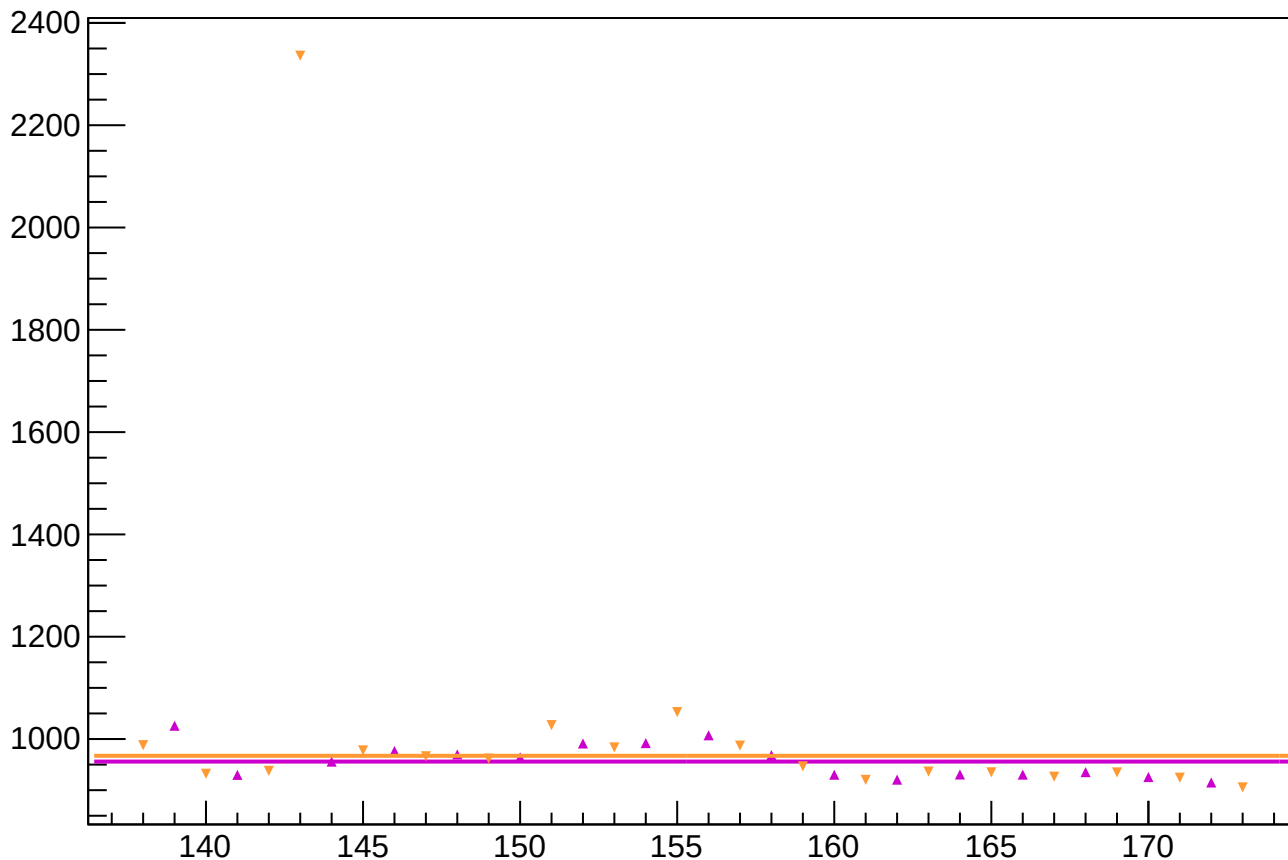
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -291.130+/-262.649 χ^2/NDF :14.3/16

Out: 546.836+/-258.343 χ^2/NDF :32.8/18

All: 134.779+/-184.180 χ^2/NDF : 52.2/35

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 967.218+/-0.183 χ^2/NDF : 501371.3/18

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

Left In: 955.892+/-0.186 χ^2/NDF : 28563.2/16

Left: 961.648+/-0.130 χ^2/NDF : 531824.9/35

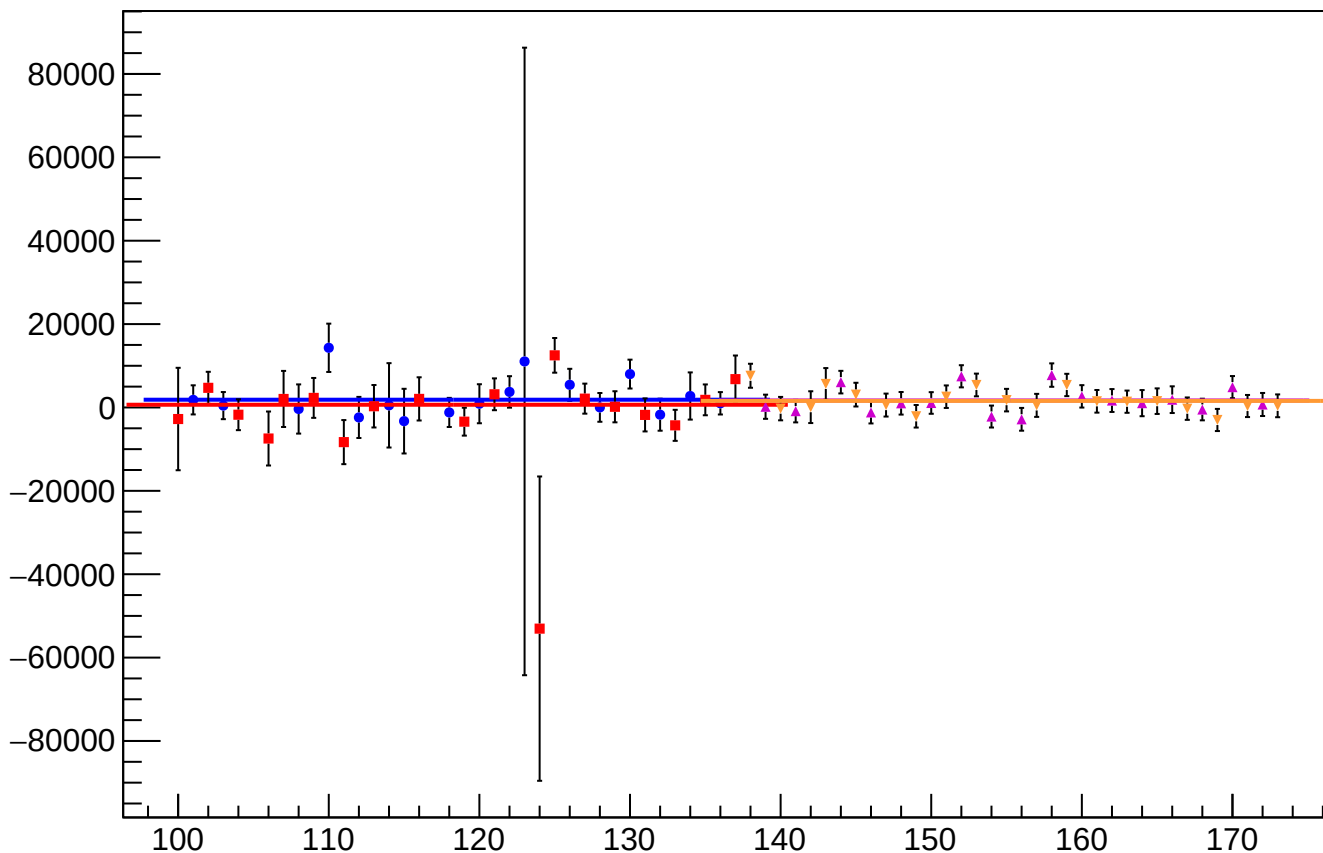
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 955.892+/-0.186 χ^2/NDF : 28563.2/16

Out: 967.218+/-0.183 χ^2/NDF : 501371.3/18

All: 961.648+/-0.130 χ^2/NDF : 531824.9/35

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1859.767+/-1013.438 χ^2 /NDF: 12.5/16

Left Out: 1577.040+/-646.105 χ^2 /NDF:16.5/18

Right Out: 654.213+/-1023.772 χ^2 /NDF: 22.1/18

Left In: 1681.625+/-665.476 χ^2 /NDF:21.9/16

Left: 1627.788+/-463.562 χ^2 /NDF: 38.4/35

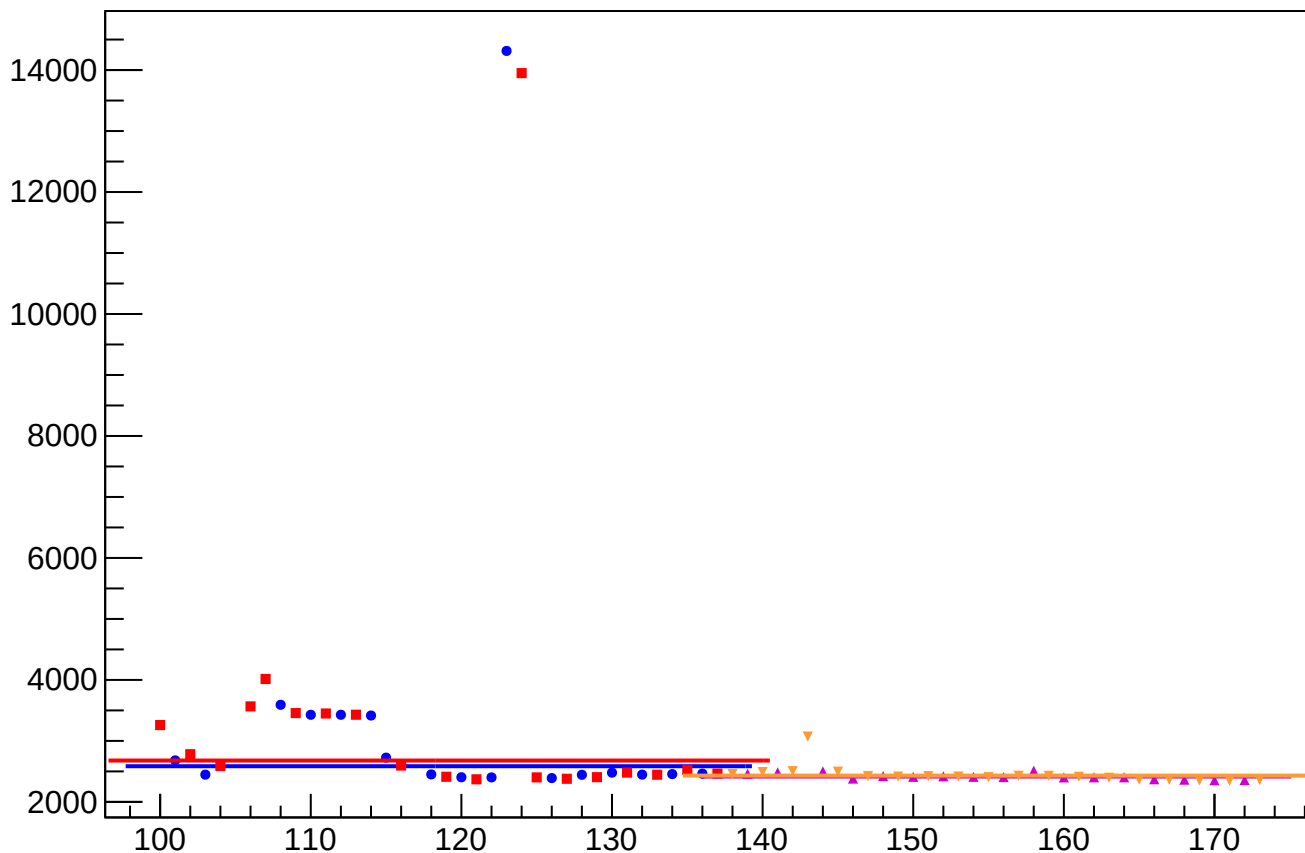
Right: 1263.106+/-720.235 χ^2 /NDF: 35.3/35

In: 1735.296+/-556.267 χ^2 /NDF:34.4/33

Out: 1314.182+/-546.392 χ^2 /NDF:39.2/37

All: 1520.967+/-389.802 χ^2 /NDF: 73.9/71

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2584.819+/-0.717 χ^2/NDF : 255710.5/16

Left Out: 2431.361+/-0.457 χ^2/NDF : 67472.1/18

Right Out: 2678.229+/-0.724 χ^2/NDF : 532096.9/18

Left In: 2415.733+/-0.471 χ^2/NDF : 9745.9/16

Left: 2423.778+/-0.328 χ^2/NDF : 77785.8/35

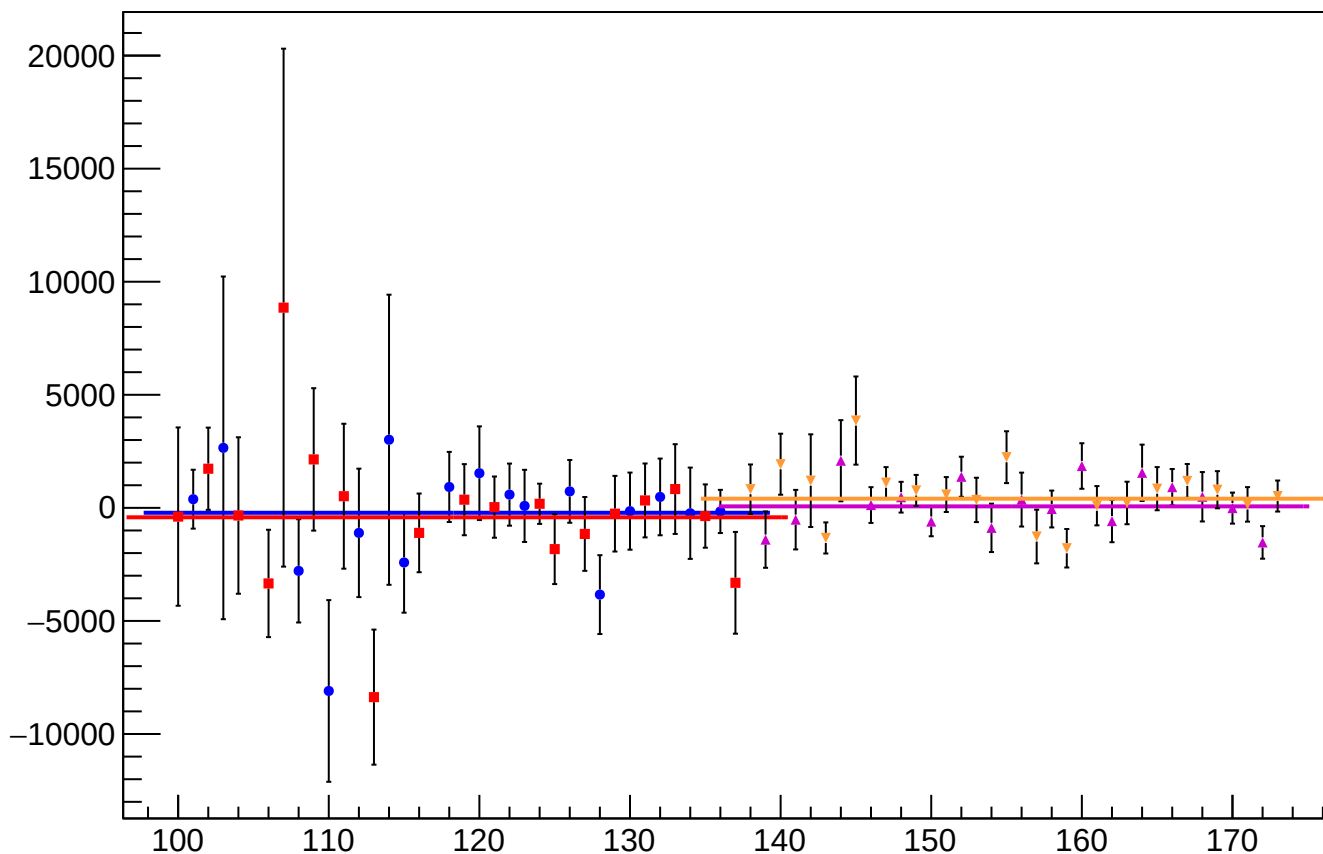
Right: 2631.050+/-0.509 χ^2/NDF : 796216.7/35

In: 2466.675+/-0.393 χ^2/NDF : 304356.7/33

Out: 2501.679+/-0.386 χ^2/NDF : 682736.6/37

All: 2484.491+/-0.276 χ^2/NDF : 991124.0/71

asym_atl1_correction_mean vs Slug, Sign Corrected



Right In: -217.017 $\pm$ 420.077 χ^2/NDF : 13.4/16

Left Out: 405.603 $\pm$ 202.111 χ^2/NDF : 25.5/18

Right Out: -417.202 $\pm$ 408.976 χ^2/NDF : 15.7/18

Left In: 65.919 $\pm$ 216.904 χ^2/NDF : 18.6/16

Left: 247.739 $\pm$ 147.867 χ^2/NDF : 45.4/35

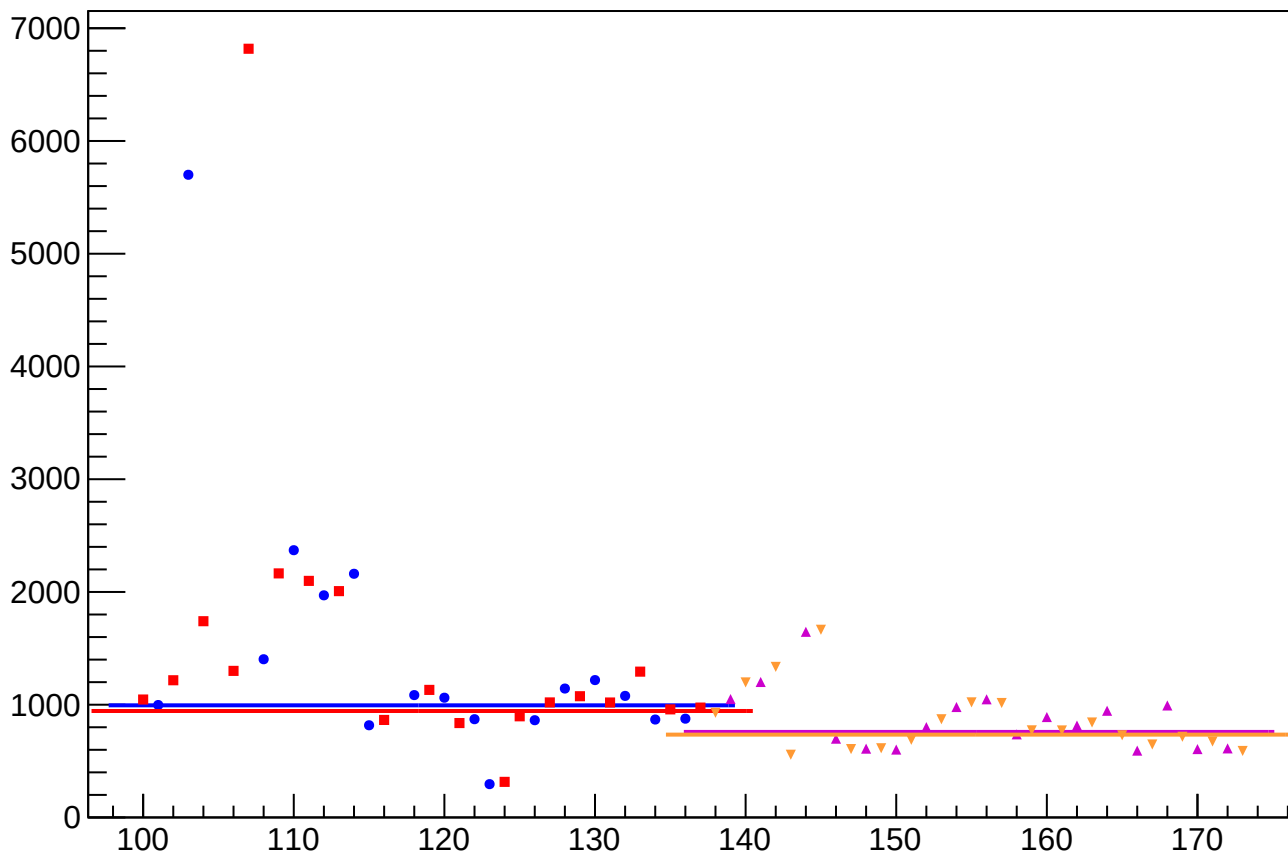
Right: -319.789 $\pm$ 293.036 χ^2/NDF : 29.2/35

In: 6.364 $\pm$ 192.728 χ^2/NDF : 32.3/33

Out: 244.100 $\pm$ 181.193 χ^2/NDF : 44.5/37

All: 132.559 $\pm$ 132.012 χ^2/NDF : 77.6/71

asym_atl1_correction_rms vs Slug, Sign Corrected



Right In: 994.541+/-0.297 χ^2/NDF : 1904549.2/16

Left Out: 734.653+/-0.143 χ^2/NDF :1638079.4/18

Right Out: 944.286+/-0.289 χ^2/NDF : 2666007.0/18

Left In: 758.615+/-0.153 χ^2/NDF :1704136.5/16

Left: 745.789+/-0.105 χ^2/NDF : 3355280.9/35

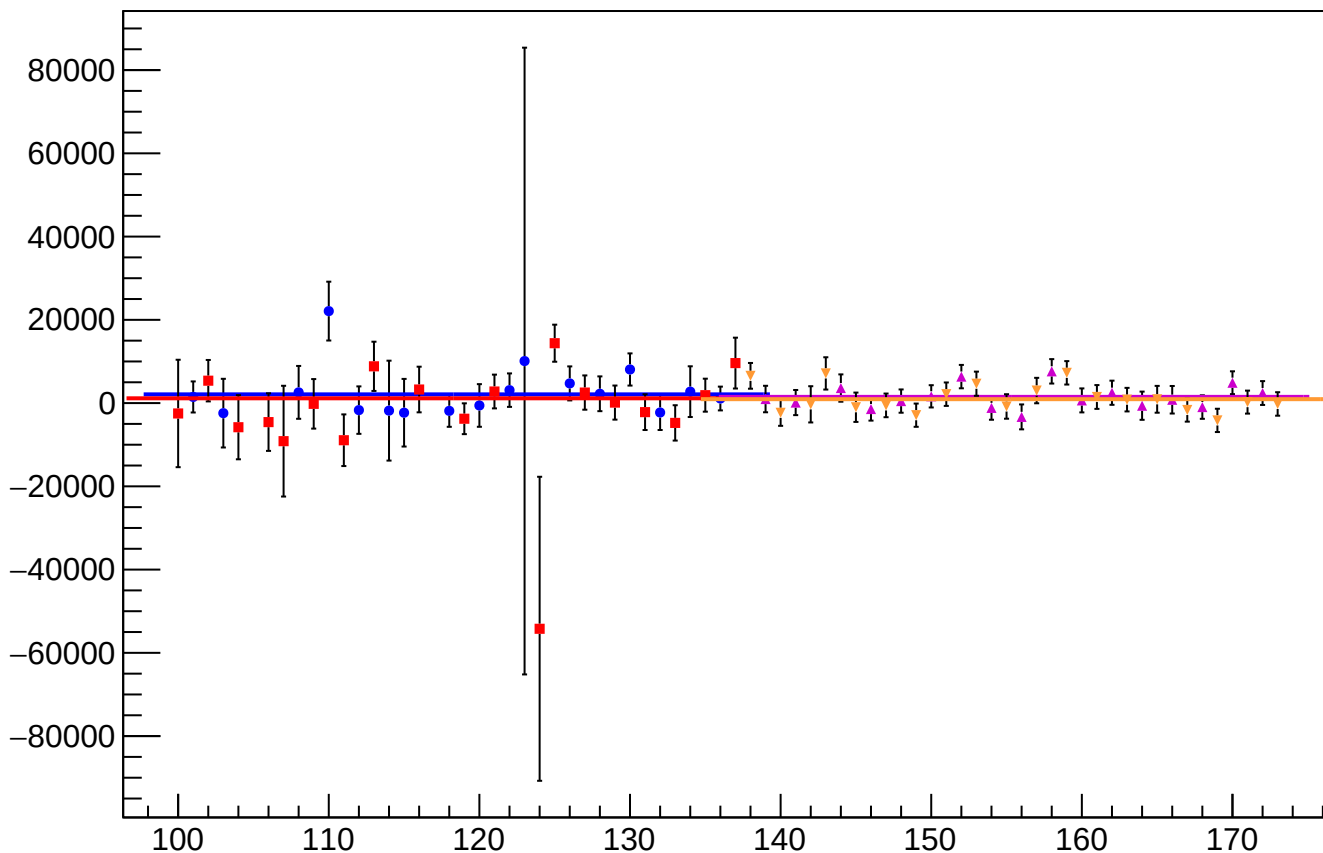
Right: 968.741+/-0.207 χ^2/NDF : 4585251.1/35

In: 808.275+/-0.136 χ^2/NDF :4106745.6/33

Out: 775.800+/-0.128 χ^2/NDF :4726424.0/37

All: 791.037+/-0.093 χ^2/NDF : 8863311.3/71

asym_atl1_mean vs Slug, Sign Corrected



Right In: 2094.050+/-1160.426 χ^2 /NDF: 14.6/16

Left Out: 942.227+/-688.917 χ^2 /NDF:21.6/18

Right Out: 1147.788+/-1187.007 χ^2 /NDF: 25.1/18

Left In: 1493.204+/-711.750 χ^2 /NDF:15.7/16

Left: 1208.736+/-495.013 χ^2 /NDF: 37.7/35

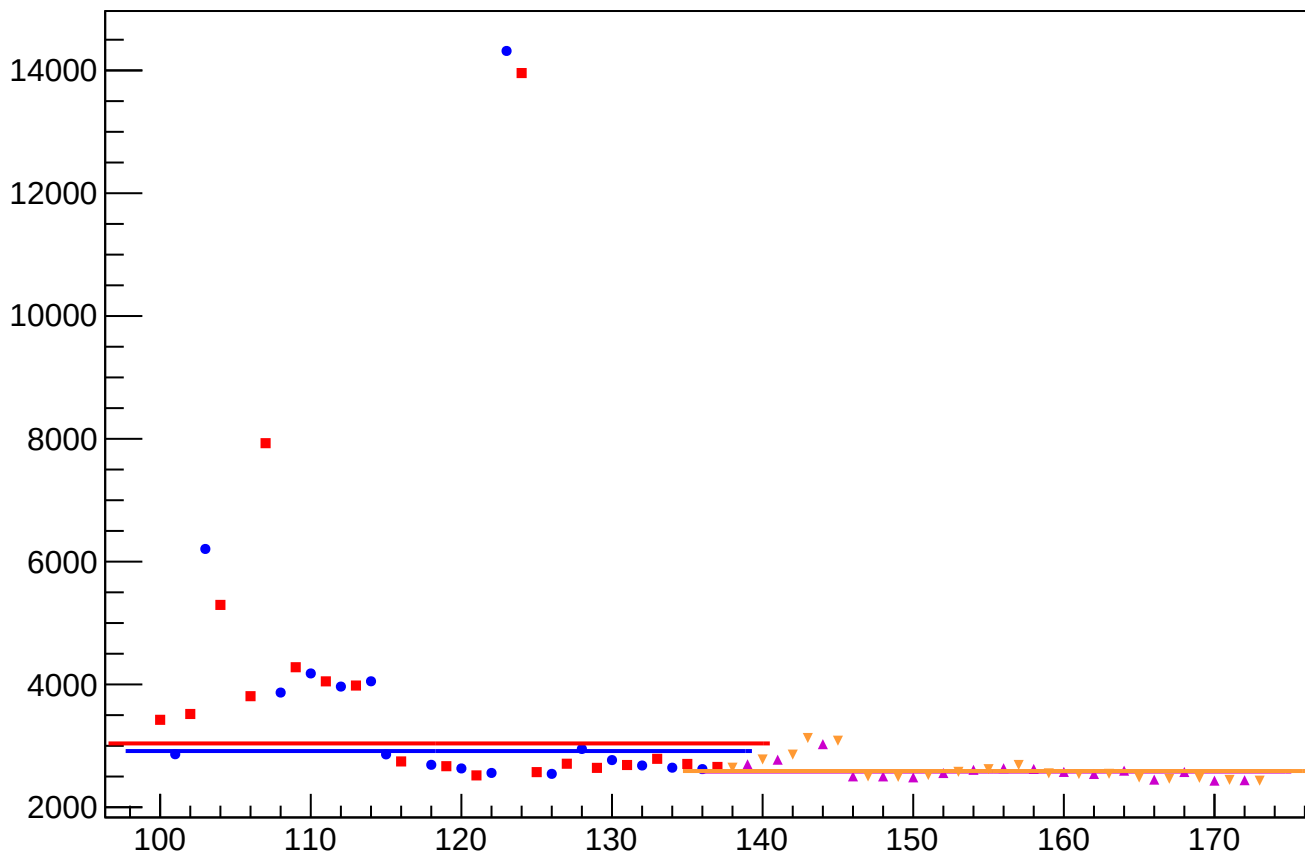
Right: 1631.633+/-829.783 χ^2 /NDF: 40.1/35

In: 1657.453+/-606.717 χ^2 /NDF:30.5/33

Out: 994.022+/-595.836 χ^2 /NDF:46.8/37

All: 1319.735+/-425.115 χ^2 /NDF: 77.9/71

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2915.201+/-0.821 χ^2/NDF : 639136.4/16

Left Out: 2589.517+/-0.487 χ^2/NDF :123327.4/18

Right Out: 3039.139+/-0.839 χ^2/NDF : 1011383.0/18

Left In: 2580.613+/-0.503 χ^2/NDF :69323.2/16

Left: 2585.210+/-0.350 χ^2/NDF : 192812.1/35

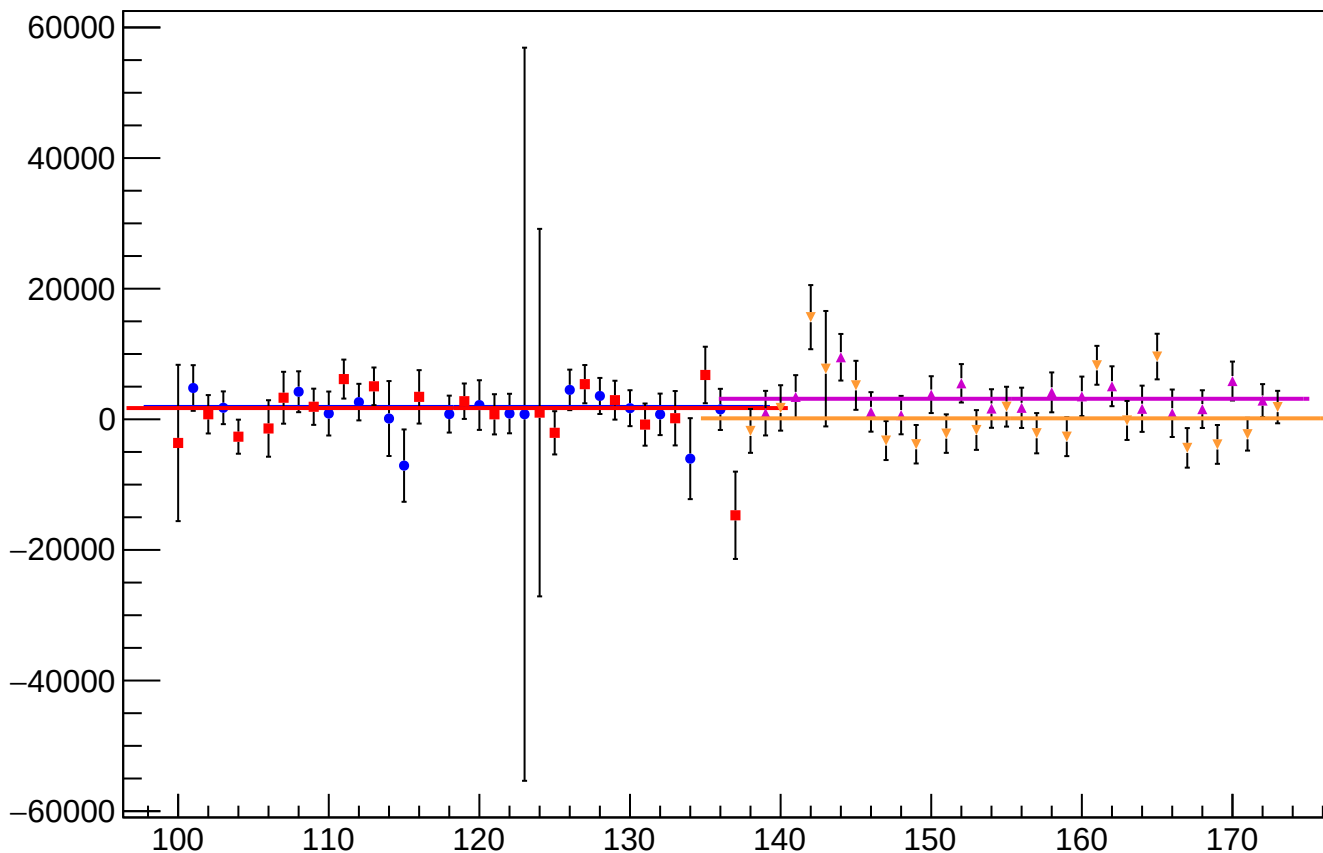
Right: 2975.767+/-0.587 χ^2/NDF : 1661668.2/35

In: 2672.076+/-0.429 χ^2/NDF :829278.2/33

Out: 2702.808+/-0.421 χ^2/NDF :1349364.2/37

All: 2687.720+/-0.301 χ^2/NDF : 2181254.5/71

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1889.943 $\pm$ 811.431 χ^2 /NDF: 7.3/16

Left Out: 147.489 $\pm$ 721.146 χ^2 /NDF: 39.2/18

Right Out: 1719.130 $\pm$ 790.110 χ^2 /NDF: 19.0/18

Left In: 3142.317 $\pm$ 743.333 χ^2 /NDF: 8.1/16

Left: 1599.541 $\pm$ 517.593 χ^2 /NDF: 55.7/35

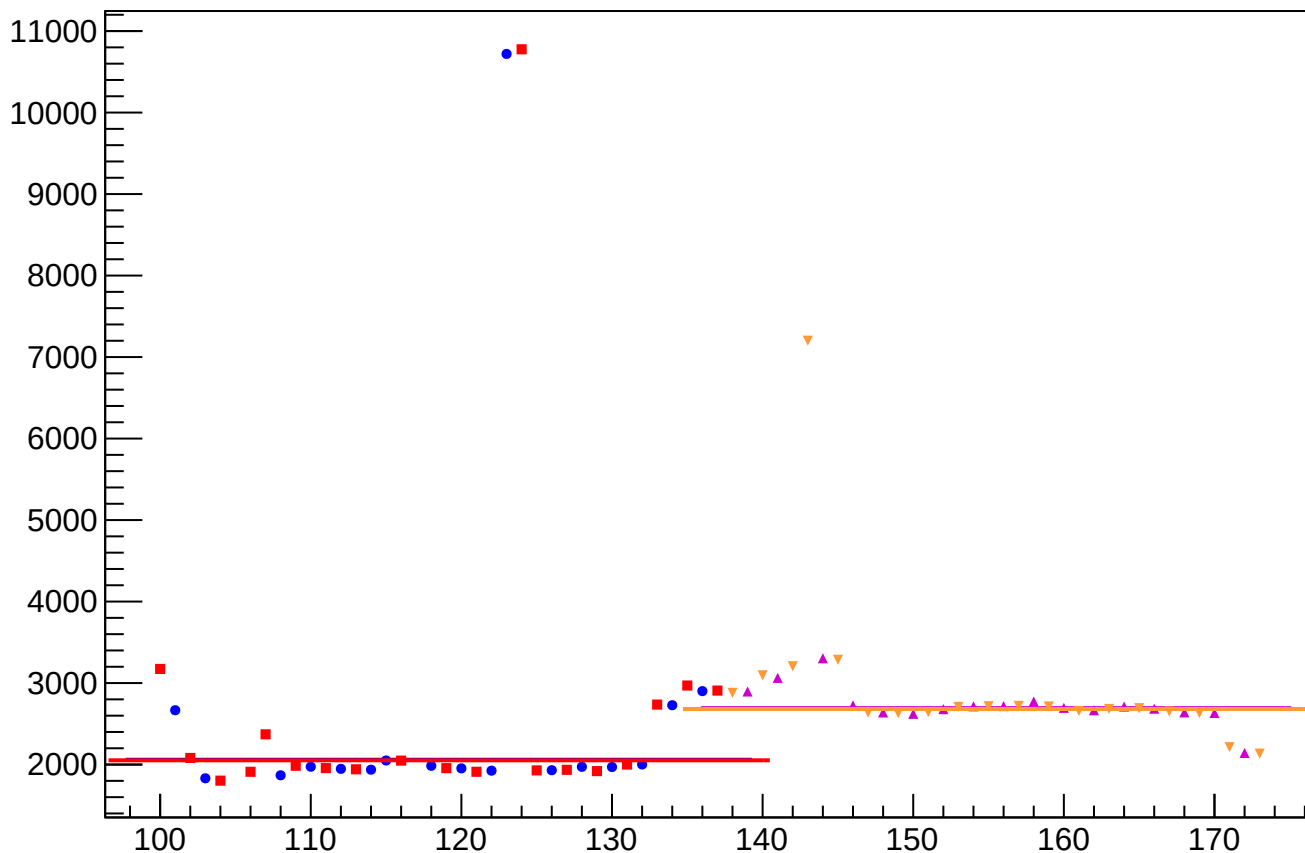
Right: 1802.263 $\pm$ 566.080 χ^2 /NDF: 26.2/35

In: 2570.878 $\pm$ 548.112 χ^2 /NDF: 16.7/33

Out: 861.739 $\pm$ 532.643 χ^2 /NDF: 60.3/37

All: 1691.850 $\pm$ 381.987 χ^2 /NDF: 82.0/71

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2058.963+/-0.574 χ^2/NDF : 318561.5/16

Left Out: 2681.408+/-0.510 χ^2/NDF : 802722.2/18

Right Out: 2052.260+/-0.559 χ^2/NDF : 443321.6/18

Left In: 2692.152+/-0.526 χ^2/NDF : 191564.7/16

Left: 2686.617+/-0.366 χ^2/NDF : 994502.2/35

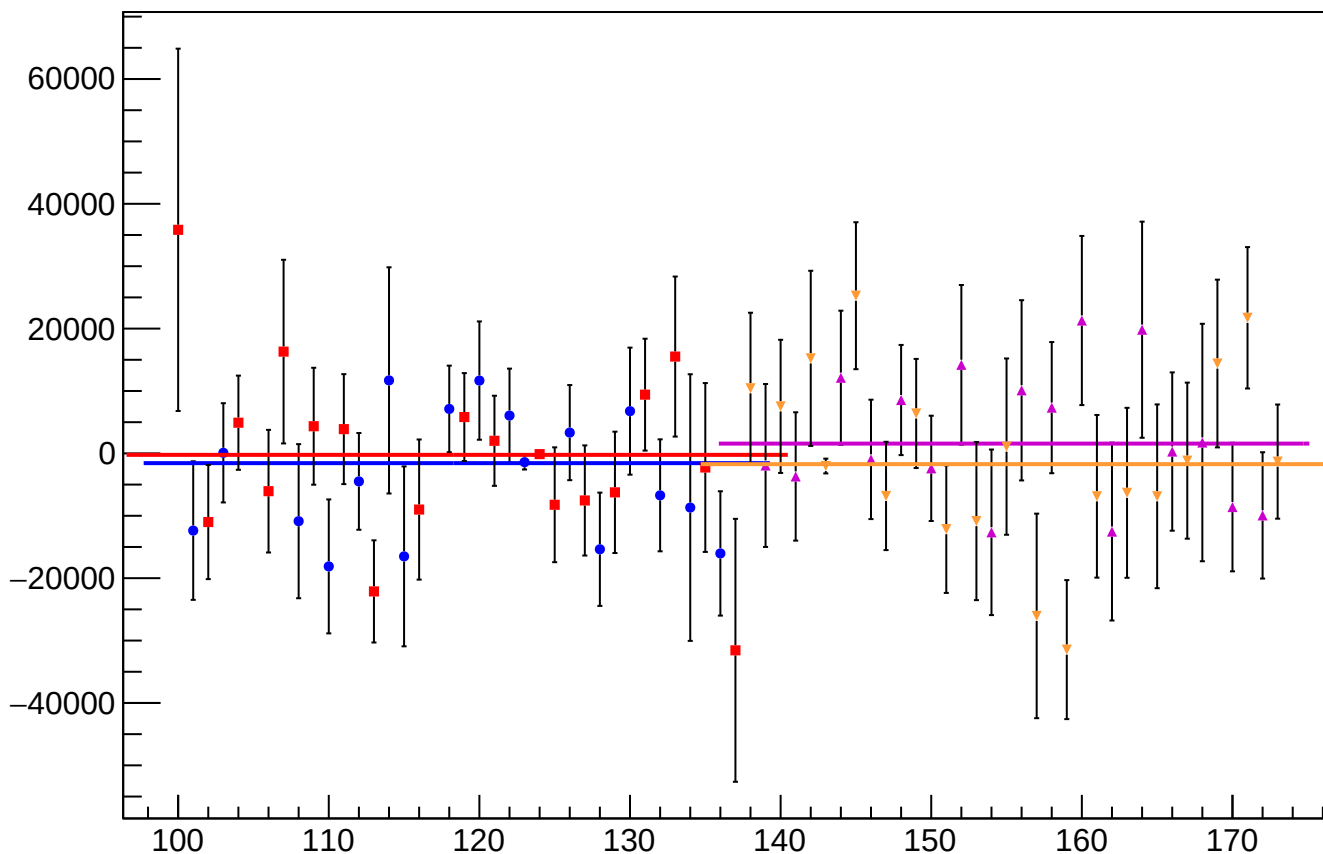
Right: 2055.522+/-0.400 χ^2/NDF : 761953.2/35

In: 2403.238+/-0.388 χ^2/NDF : 1172289.8/33

Out: 2395.483+/-0.377 χ^2/NDF : 1937856.7/37

All: 2399.249+/-0.270 χ^2/NDF : 3110352.4/71

asym_atl2_correction_mean vs Slug, Sign Corrected



Right In: -1563.218 $\pm$ 1053.946 χ^2/NDF : 16.2/16

Left Out: -1727.645 $\pm$ 1085.052 χ^2/NDF : 26.8/18

Right Out: -236.197 $\pm$ 695.167 χ^2/NDF : 20.8/18

Left In: 1568.863 $\pm$ 2781.264 χ^2/NDF : 11.5/16

Left: -1292.191 $\pm$ 1010.849 χ^2/NDF : 39.5/35

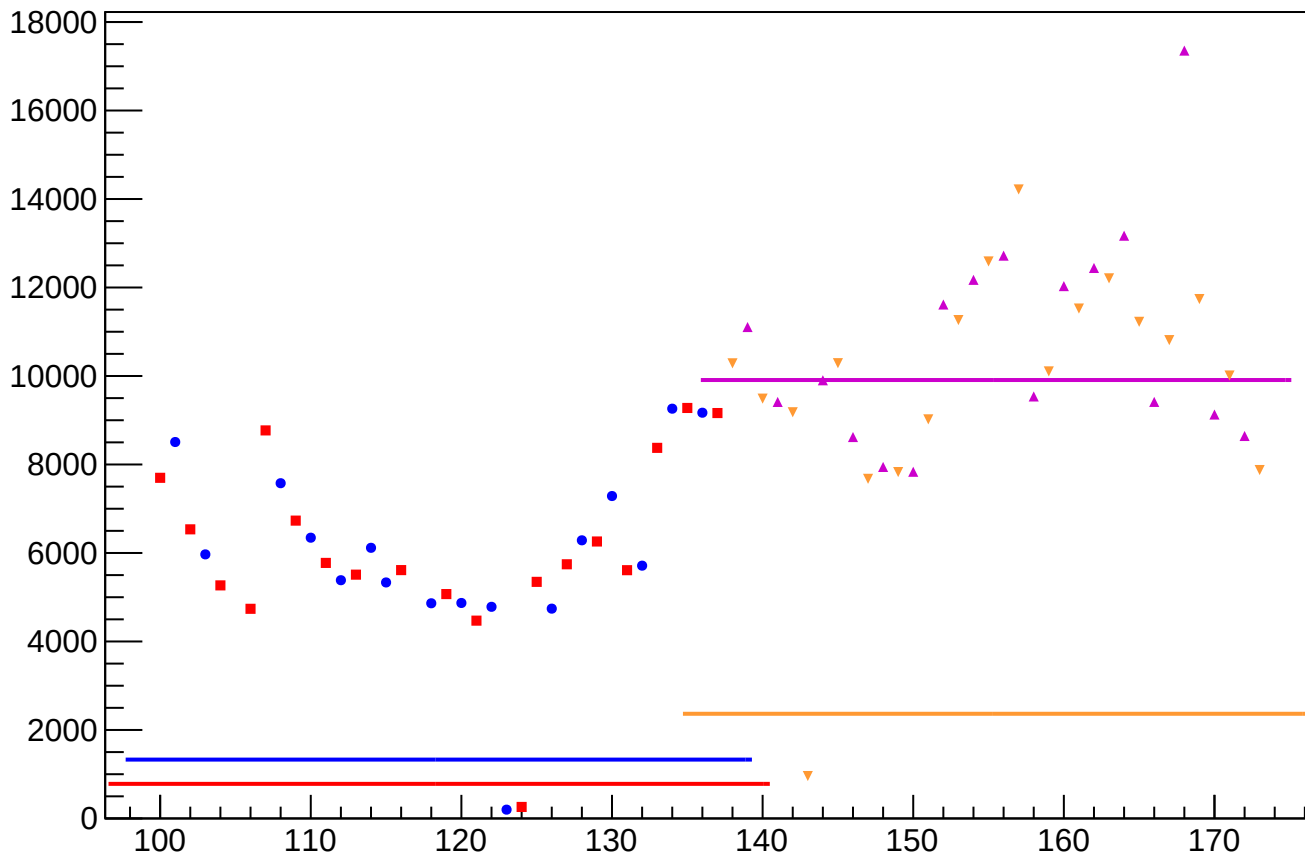
Right: -638.499 $\pm$ 580.304 χ^2/NDF : 38.1/35

In: -1169.929 $\pm$ 985.556 χ^2/NDF : 28.8/33

Out: -670.231 $\pm$ 585.340 χ^2/NDF : 48.9/37

All: -800.532 $\pm$ 503.270 χ^2/NDF : 77.9/71

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1330.250+/-0.745

χ^2/NDF : 10046828.9/16

Left Out: 2365.828+/-0.767

χ^2/NDF : 18653087.5/18

Right Out: 781.848+/-0.492

χ^2/NDF : 11439893.7/18

Left In: 9909.004+/-1.967

χ^2/NDF : 984641.6/16

Left: 3362.249+/-0.715

χ^2/NDF : 32405818.6/35

Right: 948.102+/-0.410

χ^2/NDF : 21864055.1/35

In: 2407.465+/-0.697

χ^2/NDF : 27670202.7/33

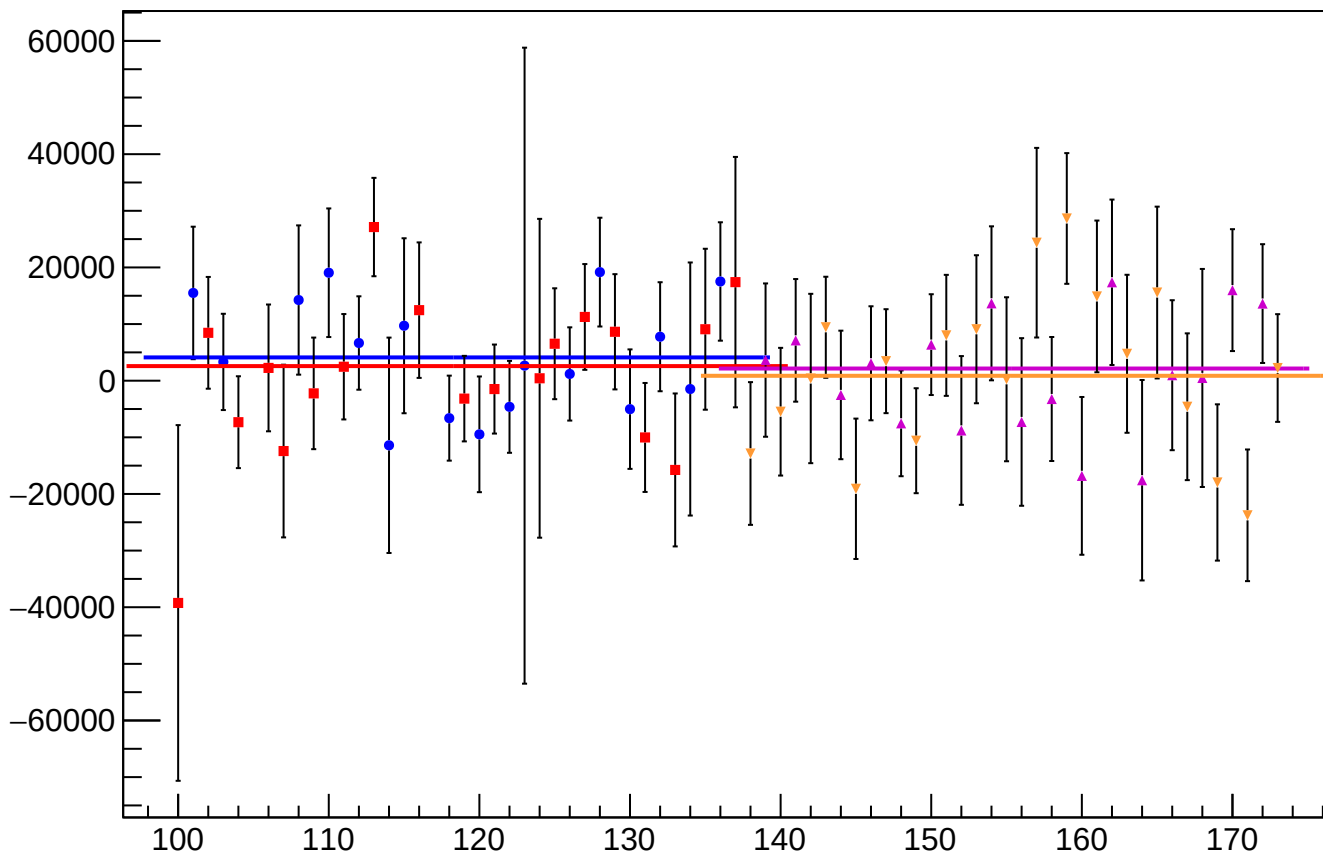
Out: 1242.809+/-0.414

χ^2/NDF : 33114783.1/37

All: 1546.504+/-0.356

χ^2/NDF : 62849645.1/71

asym_atl2_mean vs Slug, Sign Corrected



Right In: 4111.784+/-2534.444 χ^2/NDF : 14.3/16

Left Out: 865.881+/-2707.574 χ^2/NDF : 23.9/18

Right Out: 2577.719+/-2420.480 χ^2/NDF : 20.0/18

Left In: 2148.987+/-2898.929 χ^2/NDF : 10.8/16

Left: 1463.691+/-1978.737 χ^2/NDF : 34.8/35

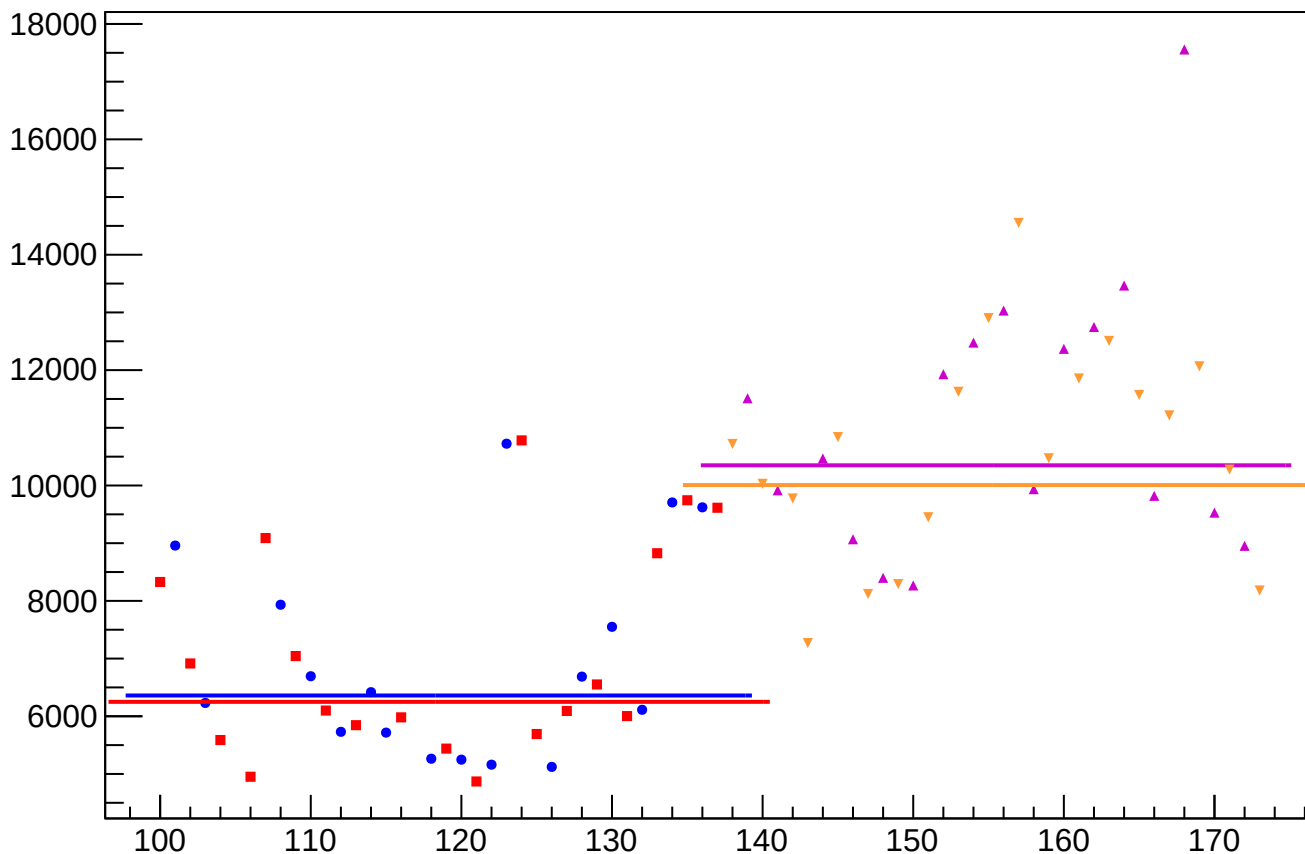
Right: 3309.487+/-1750.441 χ^2/NDF : 34.5/35

In: 3261.466+/-1908.054 χ^2/NDF : 25.4/33

Out: 1817.338+/-1804.532 χ^2/NDF : 44.1/37

All: 2499.165+/-1311.068 χ^2/NDF : 69.8/71

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6359.928 ± 1.792 $\chi^2/\text{NDF}: 580471.0/16$

Left Out: 10007.649 ± 1.915 $\chi^2/\text{NDF}: 884288.0/18$

Right Out: 6250.049 ± 1.711 $\chi^2/\text{NDF}: 532966.2/18$

Left In: 10349.889 ± 2.050 $\chi^2/\text{NDF}: 882311.3/16$

Left: 10167.101 ± 1.399 $\chi^2/\text{NDF}: 1781487.1/35$

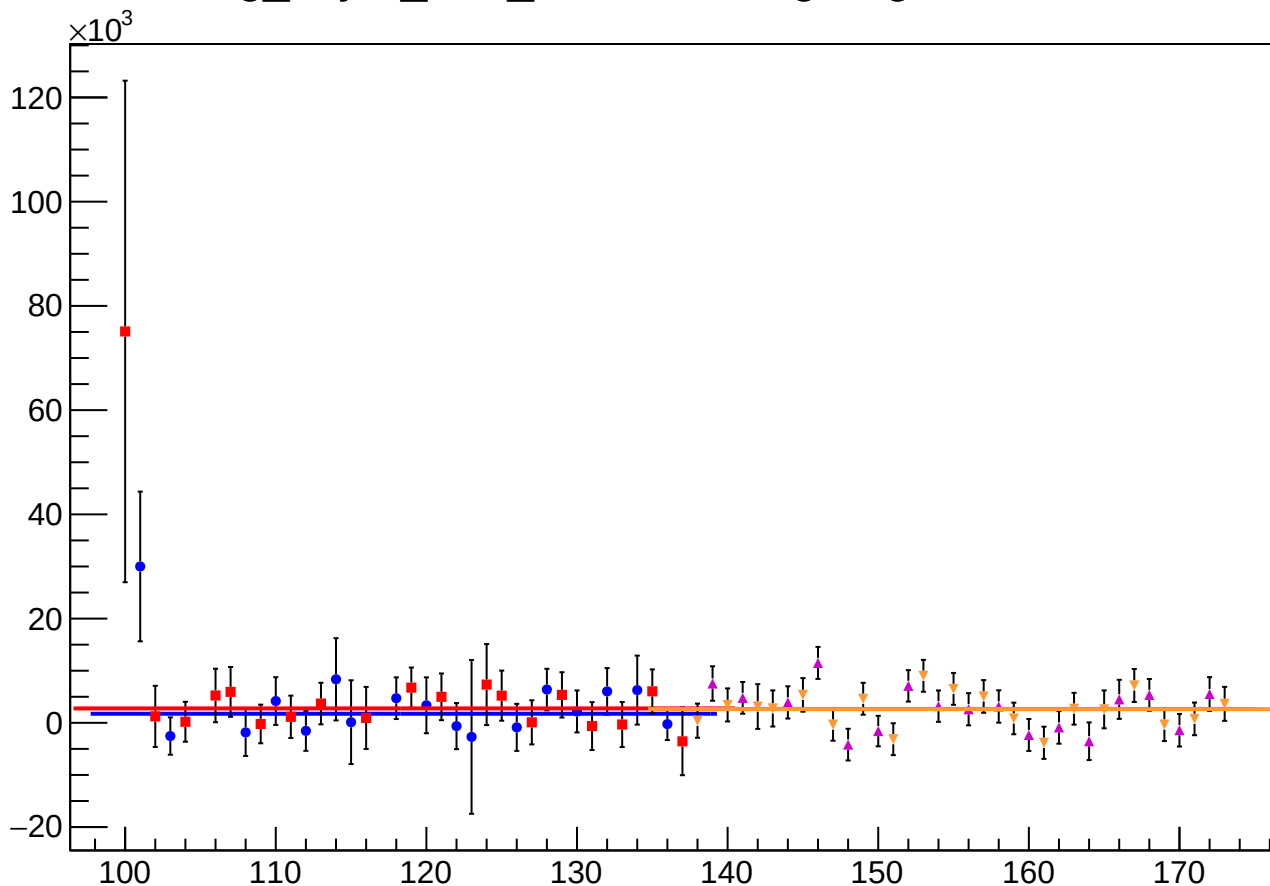
Right: 6302.460 ± 1.238 $\chi^2/\text{NDF}: 1115403.3/35$

In: 8088.441 ± 1.349 $\chi^2/\text{NDF}: 3610167.4/33$

Out: 7919.052 ± 1.276 $\chi^2/\text{NDF}: 3558342.4/37$

All: 7999.025 ± 0.927 $\chi^2/\text{NDF}: 7176830.3/71$

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1746.001 ± 1128.522 χ^2/NDF : 12.2/16

Left Out: 2630.897 ± 734.781 χ^2/NDF : 20.8/18

Right Out: 2763.863 ± 1071.947 χ^2/NDF : 9.7/18

Left In: 2666.579 ± 761.367 χ^2/NDF : 30.9/16

Left: 2648.104 ± 528.718 χ^2/NDF : 51.7/35

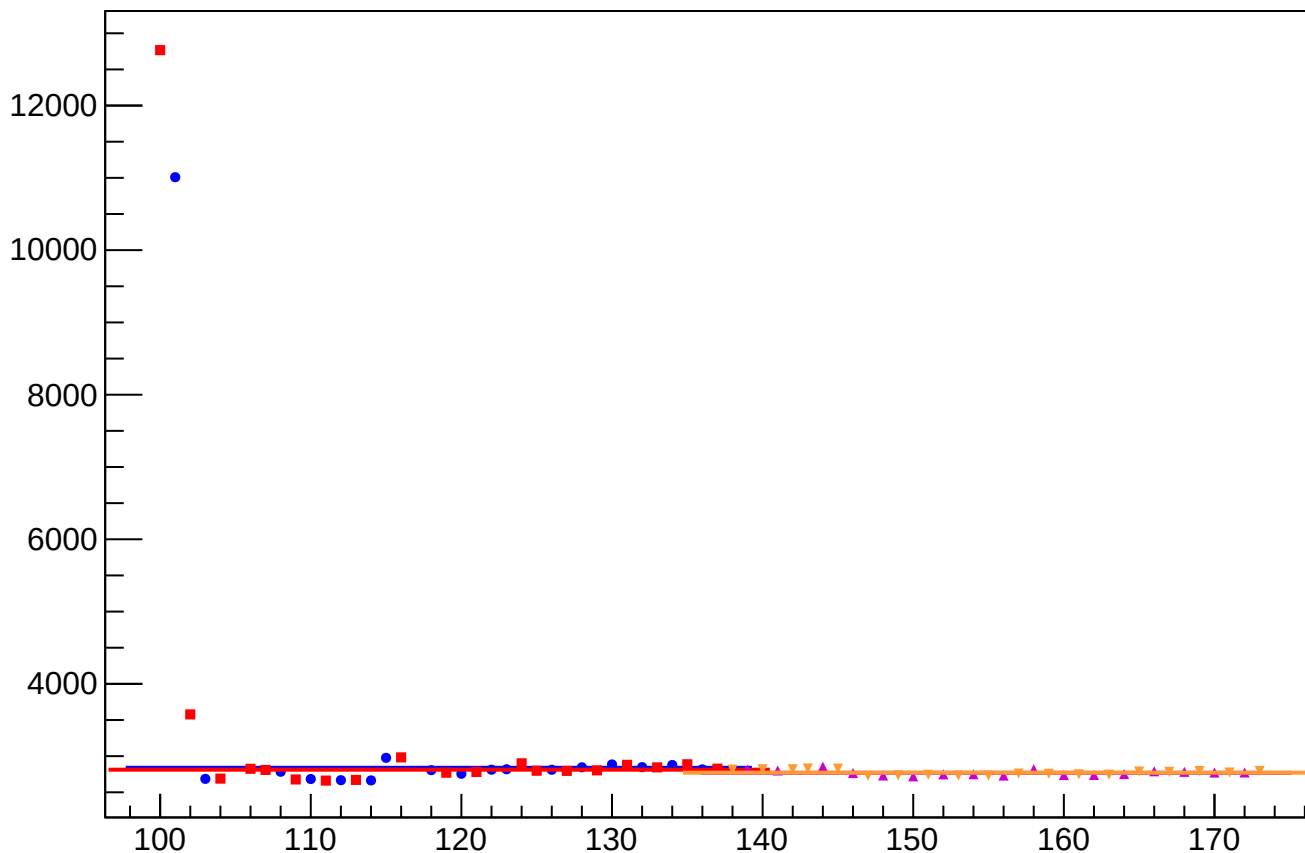
Right: 2281.084 ± 777.212 χ^2/NDF : 22.3/35

In: 2378.629 ± 631.158 χ^2/NDF : 43.6/33

Out: 2673.401 ± 606.066 χ^2/NDF : 30.5/37

All: 2531.991 ± 437.155 χ^2/NDF : 74.2/71

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2838.737 $\pm$ 0.798 χ^2 /NDF: 660209.3/16

Left Out: 2771.374 $\pm$ 0.520 χ^2 /NDF: 4335.5/18

Right Out: 2812.627 $\pm$ 0.758 χ^2 /NDF: 133064.0/18

Left In: 2769.221 $\pm$ 0.538 χ^2 /NDF: 4529.7/16

Left: 2770.336 $\pm$ 0.374 χ^2 /NDF: 8873.5/35

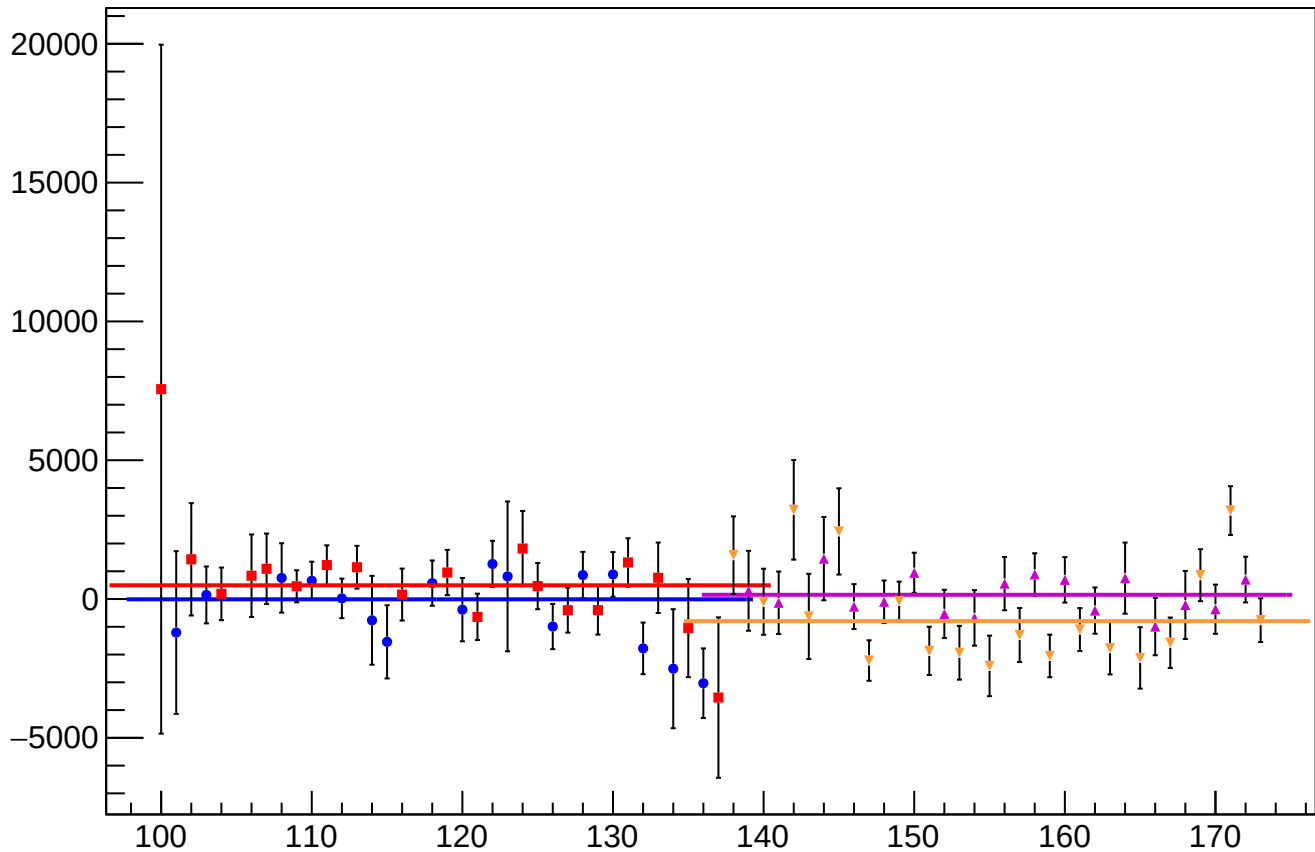
Right: 2825.011 $\pm$ 0.550 χ^2 /NDF: 793836.1/35

In: 2790.965 $\pm$ 0.446 χ^2 /NDF: 669954.2/33

Out: 2784.561 $\pm$ 0.429 χ^2 /NDF: 139414.7/37

All: 2787.634 $\pm$ 0.309 χ^2 /NDF: 809476.0/71

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: -9.845+/-241.678 χ^2/NDF : 20.7/16

Left Out: -795.040+/-217.369 χ^2/NDF :52.5/18

Right Out: 495.250+/-221.487 χ^2/NDF : 11.9/18

Left In: 153.261+/-224.231 χ^2/NDF :8.1/16

Left: -335.622+/-156.073 χ^2/NDF : 69.7/35

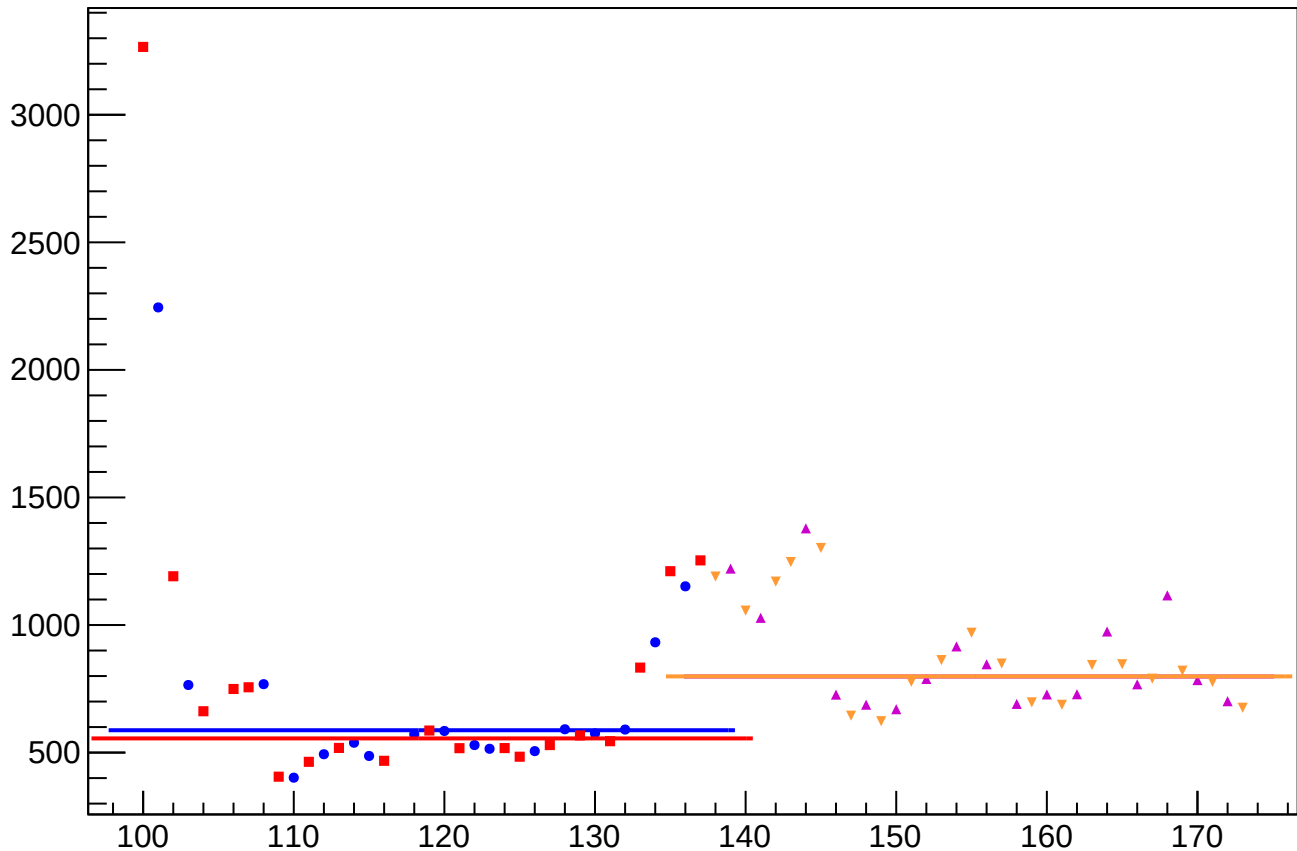
Right: 264.680+/-163.287 χ^2/NDF : 35.0/35

In: 77.807+/-164.378 χ^2/NDF :29.0/33

Out: -162.001+/-155.139 χ^2/NDF :81.6/37

All: -49.025+/-112.824 χ^2/NDF : 111.8/71

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 587.596+/-0.171 χ^2/NDF : 1425769.6/16

Left Out: 798.663+/-0.154 χ^2/NDF :1134033.4/18

Right Out: 555.534+/-0.157 χ^2/NDF : 1106760.5/18

Left In: 798.145+/-0.159 χ^2/NDF :979417.0/16

Left: 798.412+/-0.110 χ^2/NDF : 2113455.9/35

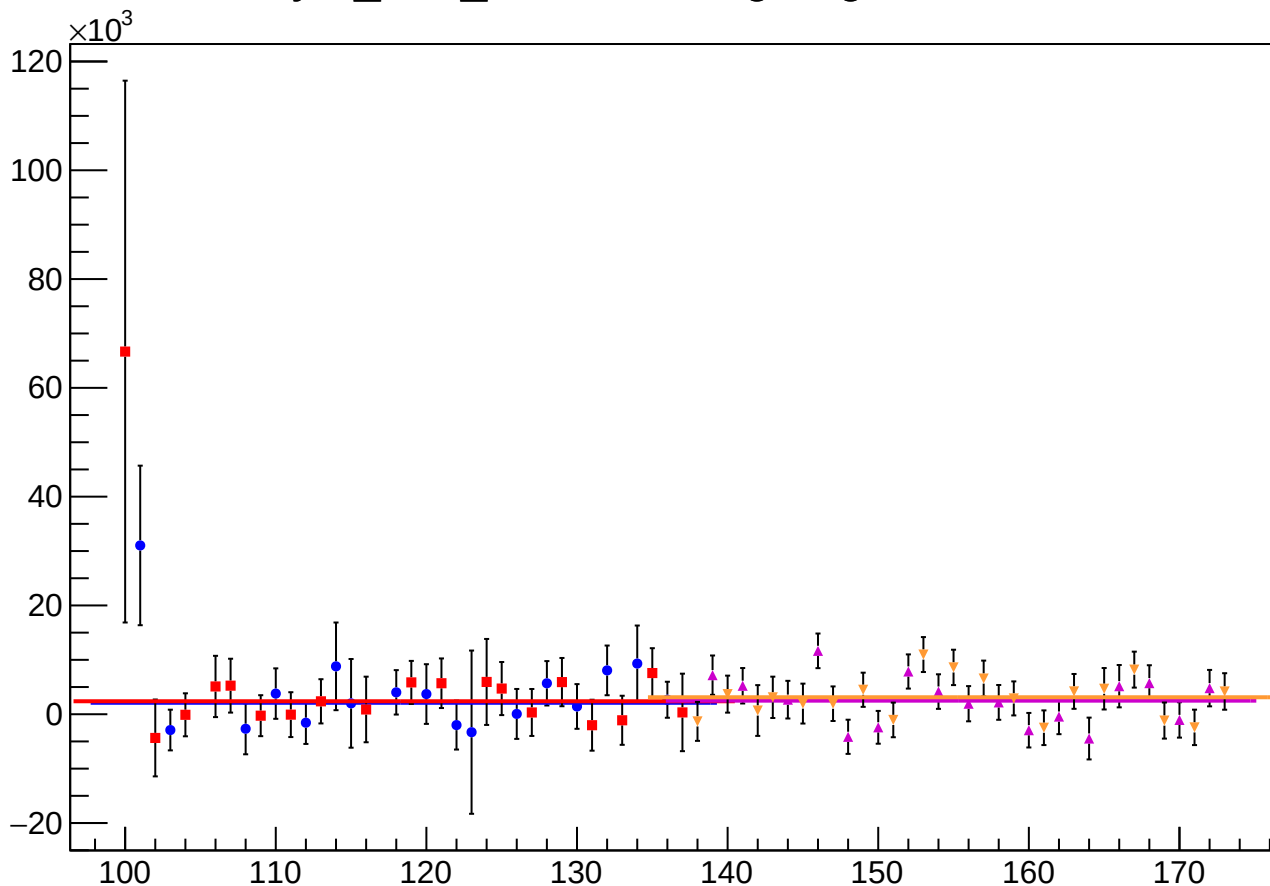
Right: 570.170+/-0.115 χ^2/NDF : 2551661.9/35

In: 700.744+/-0.116 χ^2/NDF :3220928.2/33

Out: 679.380+/-0.110 χ^2/NDF :3468381.2/37

All: 689.445+/-0.080 χ^2/NDF : 6707177.9/71

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2108.498+/-1164.336 χ^2/NDF : 13.5/16

Left Out: 3119.068+/-774.005 χ^2/NDF : 24.3/18

Right Out: 2385.851+/-1110.248 χ^2/NDF : 9.9/18

Left In: 2497.718+/-800.079 χ^2/NDF : 31.1/16

Left: 2818.683+/-556.294 χ^2/NDF : 55.7/35

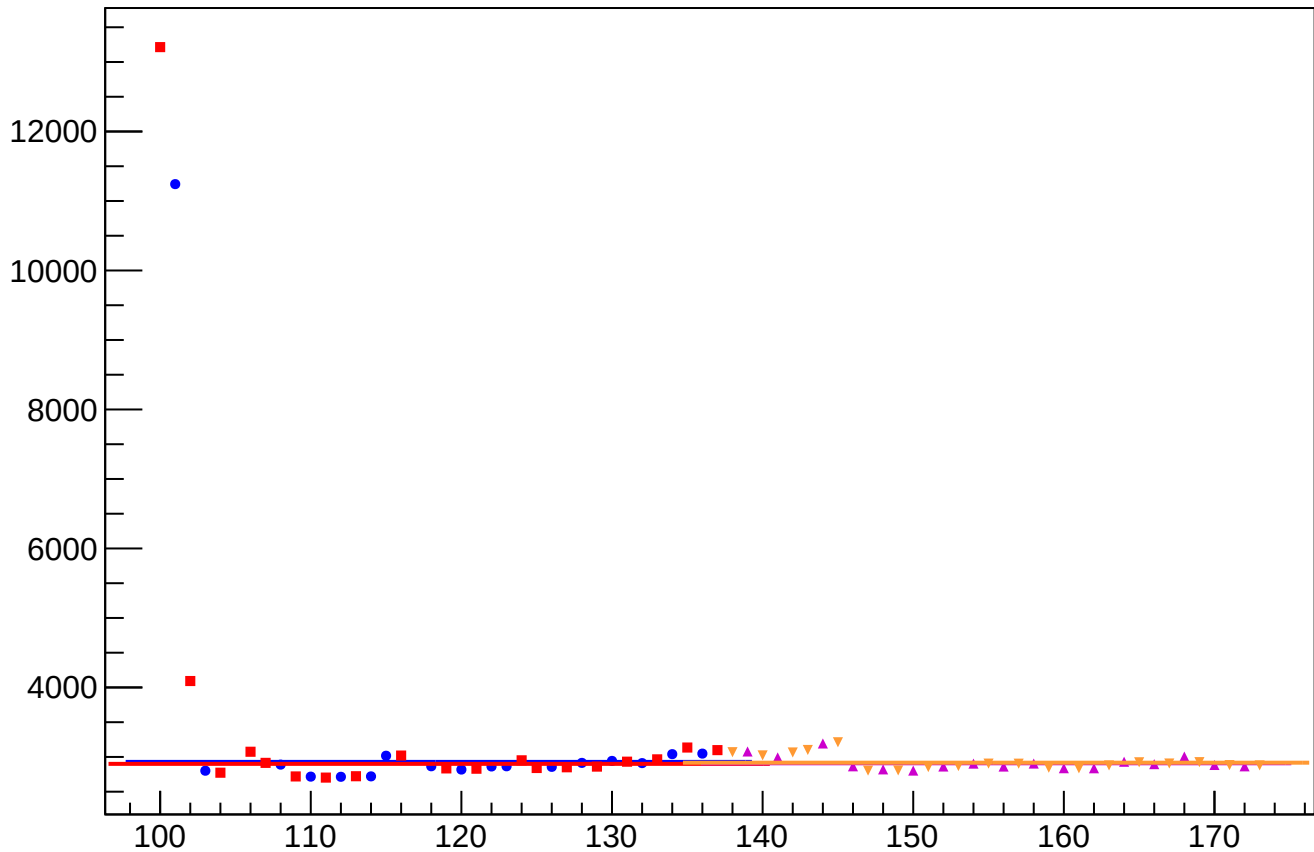
Right: 2253.766+/-803.505 χ^2/NDF : 23.4/35

In: 2372.881+/-659.405 χ^2/NDF : 44.7/33

Out: 2879.263+/-634.939 χ^2/NDF : 34.5/37

All: 2635.640+/-457.375 χ^2/NDF : 79.5/71

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2928.700+/-0.823 χ^2/NDF : 662362.9/16

Left Out: 2917.414+/-0.547 χ^2/NDF : 34506.7/18

Right Out: 2900.472+/-0.785 χ^2/NDF : 169720.6/18

Left In: 2908.663+/-0.566 χ^2/NDF : 28781.0/16

Left: 2913.184+/-0.393 χ^2/NDF : 63411.2/35

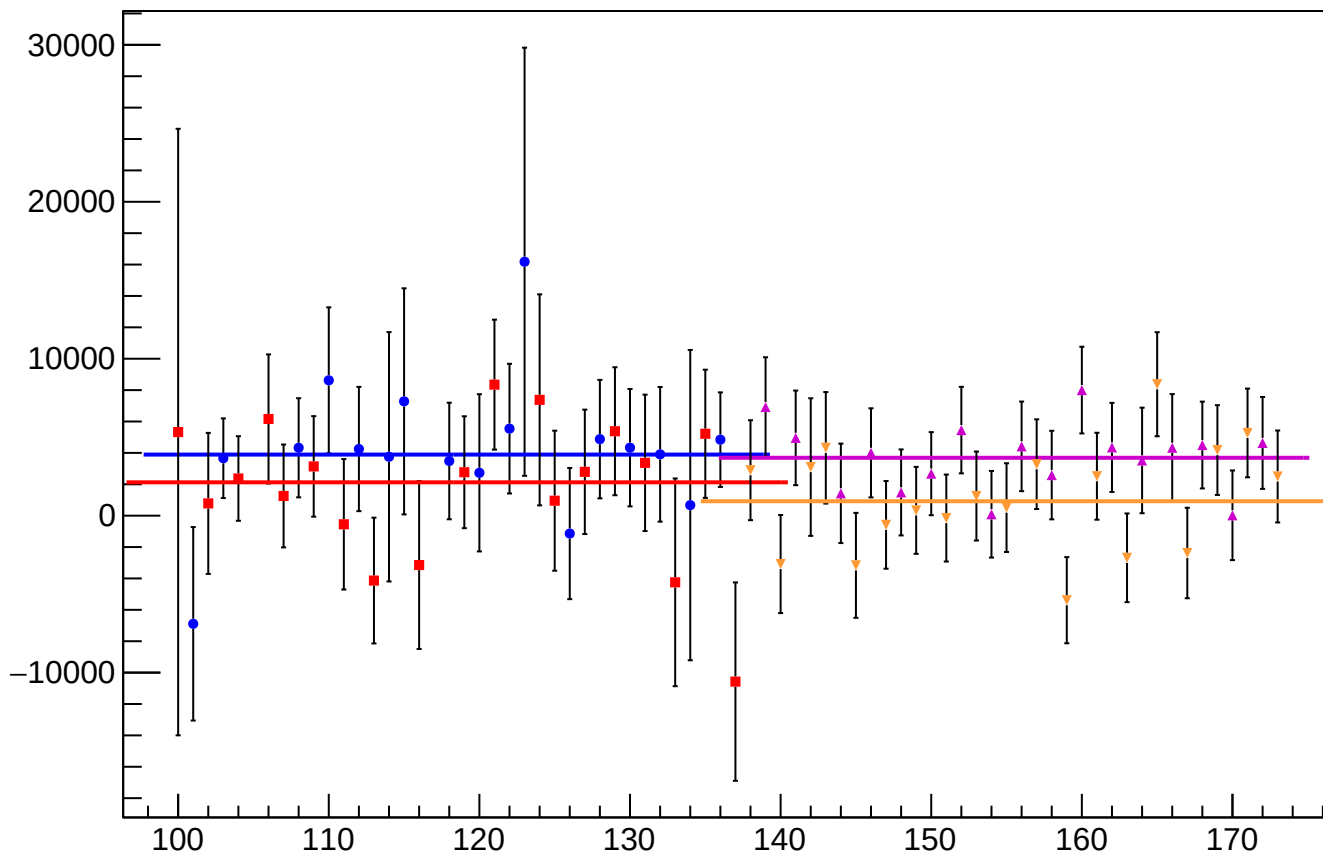
Right: 2913.915+/-0.568 χ^2/NDF : 832699.2/35

In: 2915.090+/-0.466 χ^2/NDF : 691546.2/33

Out: 2911.873+/-0.449 χ^2/NDF : 204540.7/37

All: 2913.421+/-0.323 χ^2/NDF : 896111.6/71

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3892.504 ± 1011.718 $\chi^2/\text{NDF}: 7.1/16$

Left Out: 920.430 ± 682.636 $\chi^2/\text{NDF}: 23.4/18$

Right Out: 2124.700 ± 958.418 $\chi^2/\text{NDF}: 14.3/18$

Left In: 3688.693 ± 703.747 $\chi^2/\text{NDF}: 9.2/16$

Left: 2262.418 ± 489.990 $\chi^2/\text{NDF}: 40.6/35$

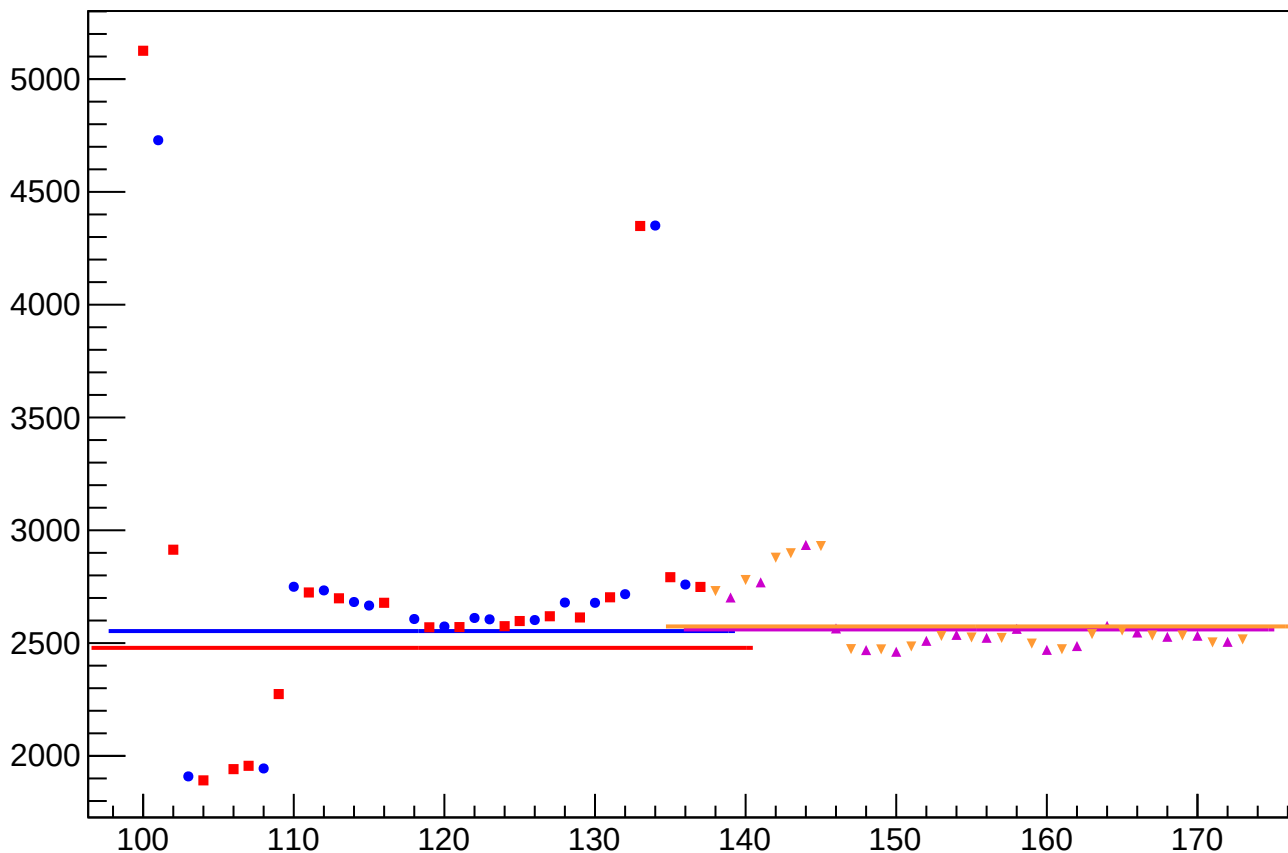
Right: 2960.811 ± 695.784 $\chi^2/\text{NDF}: 23.1/35$

In: 3755.152 ± 577.725 $\chi^2/\text{NDF}: 16.4/33$

Out: 1325.743 ± 556.018 $\chi^2/\text{NDF}: 38.8/37$

All: 2493.951 ± 400.618 $\chi^2/\text{NDF}: 64.4/71$

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2553.280+/-0.715 χ^2/NDF : 545226.9/16

Left Out: 2573.850+/-0.483 χ^2/NDF : 78951.7/18

Right Out: 2478.860+/-0.678 χ^2/NDF : 449502.6/18

Left In: 2560.500+/-0.498 χ^2/NDF : 52455.5/16

Left: 2567.378+/-0.346 χ^2/NDF : 131778.1/35

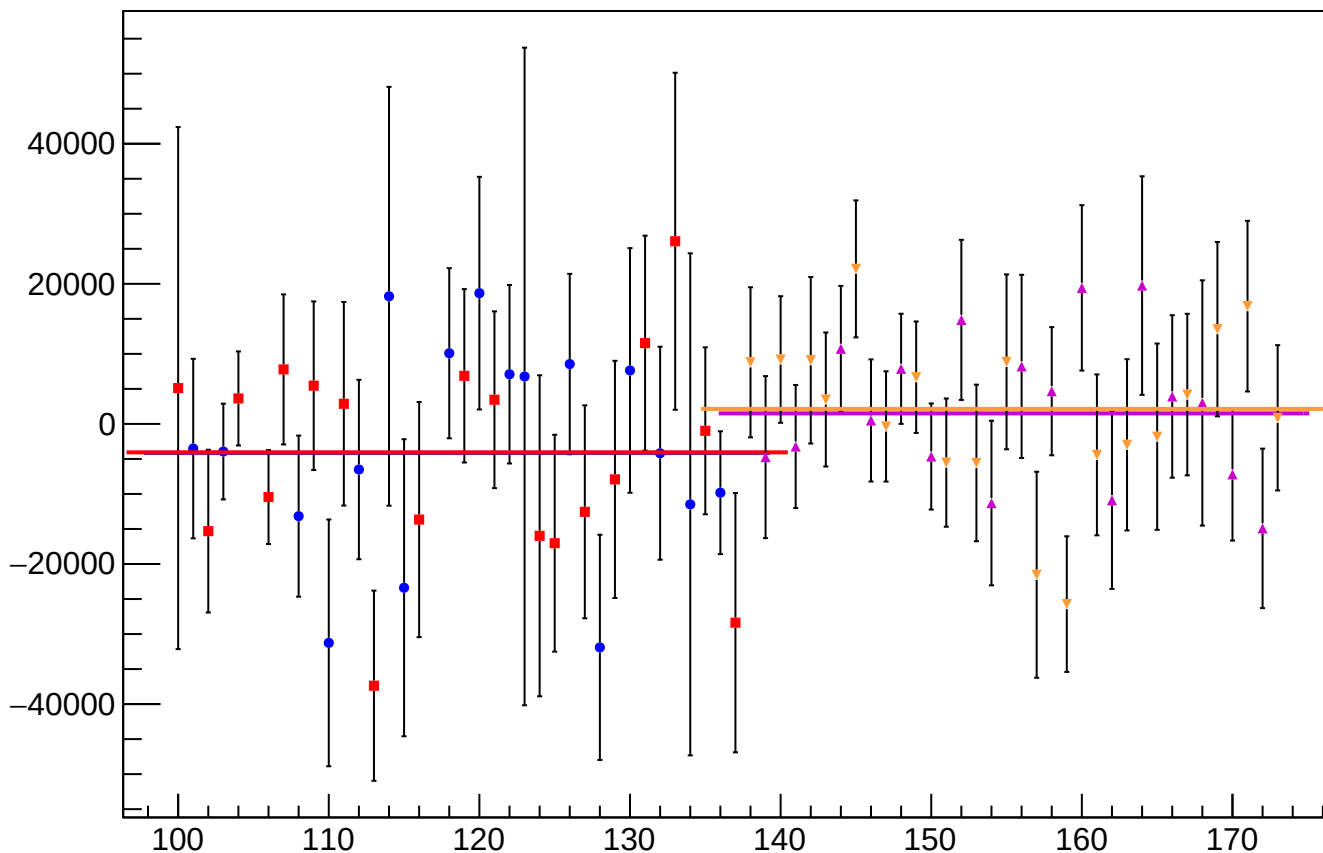
Right: 2514.058+/-0.492 χ^2/NDF : 1000433.0/35

In: 2558.146+/-0.409 χ^2/NDF : 597751.1/33

Out: 2541.880+/-0.393 χ^2/NDF : 541488.3/37

All: 2549.702+/-0.283 χ^2/NDF : 1140062.5/71

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: -4126.319+/-3227.044 χ^2/NDF : 13.4/16

Left Out: 2148.291+/-2404.711 χ^2/NDF : 21.2/18

Right Out: -4060.328+/-2834.326 χ^2/NDF : 18.5/18

Left In: 1506.136+/-2504.327 χ^2/NDF : 13.5/16

Left: 1840.239+/-1734.535 χ^2/NDF : 34.8/35

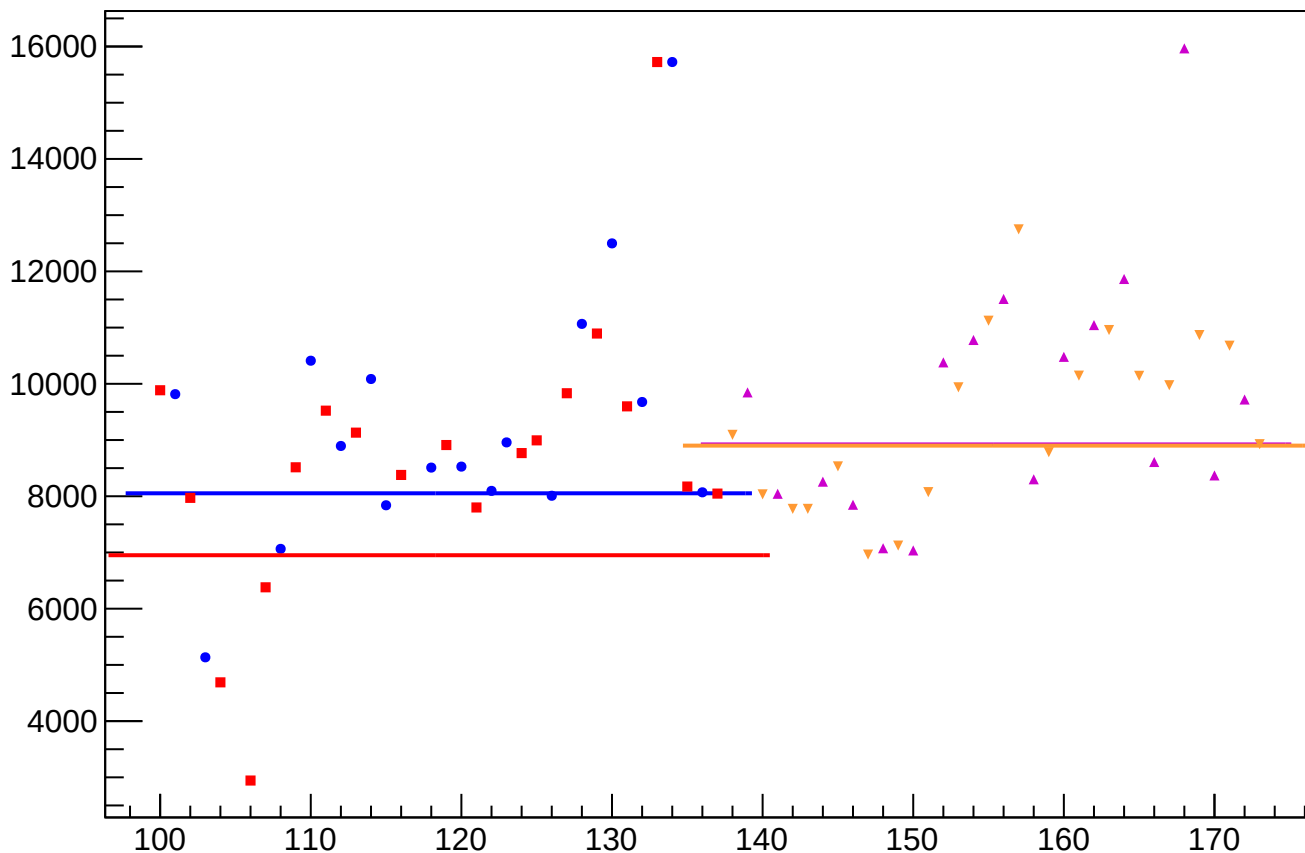
Right: -4089.066+/-2129.557 χ^2/NDF : 31.9/35

In: -610.964+/-1978.457 χ^2/NDF : 28.8/33

Out: -450.296+/-1833.669 χ^2/NDF : 42.5/37

All: -524.536+/-1344.876 χ^2/NDF : 71.3/71

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 8052.552+/-2.282 χ^2/NDF : 790724.2/16

Left Out: 8900.493+/-1.700 χ^2/NDF : 730047.4/18

Right Out: 6950.943+/-2.004 χ^2/NDF : 1776578.9/18

Left In: 8921.877+/-1.771 χ^2/NDF : 982542.7/16

Left: 8910.751+/-1.227 χ^2/NDF : 1712665.9/35

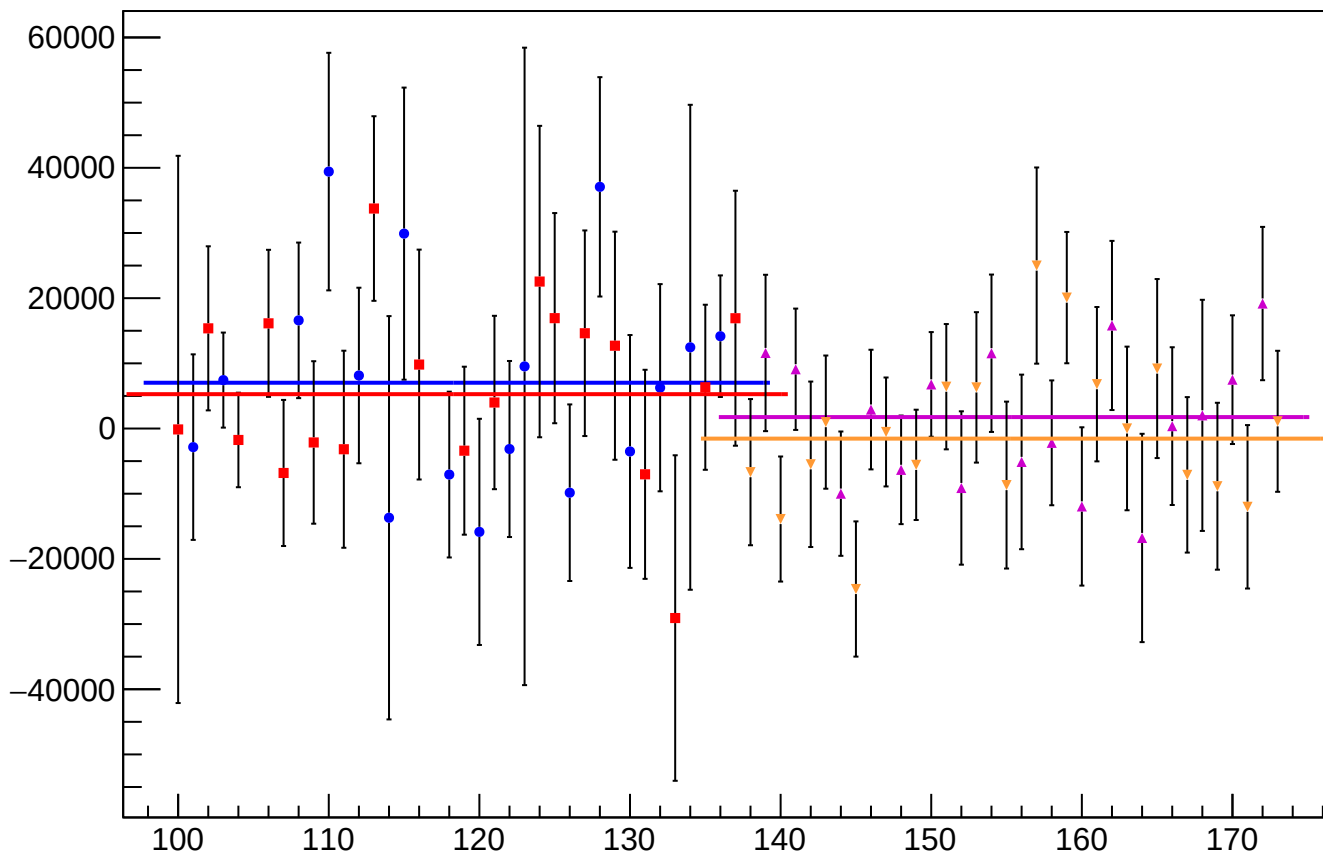
Right: 7430.673+/-1.506 χ^2/NDF : 2698872.2/35

In: 8595.119+/-1.399 χ^2/NDF : 1863851.9/33

Out: 8084.519+/-1.297 χ^2/NDF : 3056819.2/37

All: 8320.454+/-0.951 χ^2/NDF : 4992328.7/71

asym_atr2_mean vs Slug, Sign Corrected



Right In: 7025.400+/-3409.490 χ^2/NDF : 15.0/16

Left Out: -1548.303+/-2518.165 χ^2/NDF : 18.8/18

Right Out: 5271.793+/-3168.195 χ^2/NDF : 13.4/18

Left In: 1755.511+/-2617.275 χ^2/NDF : 12.4/16

Left: 39.867+/-1814.638 χ^2/NDF : 32.1/35

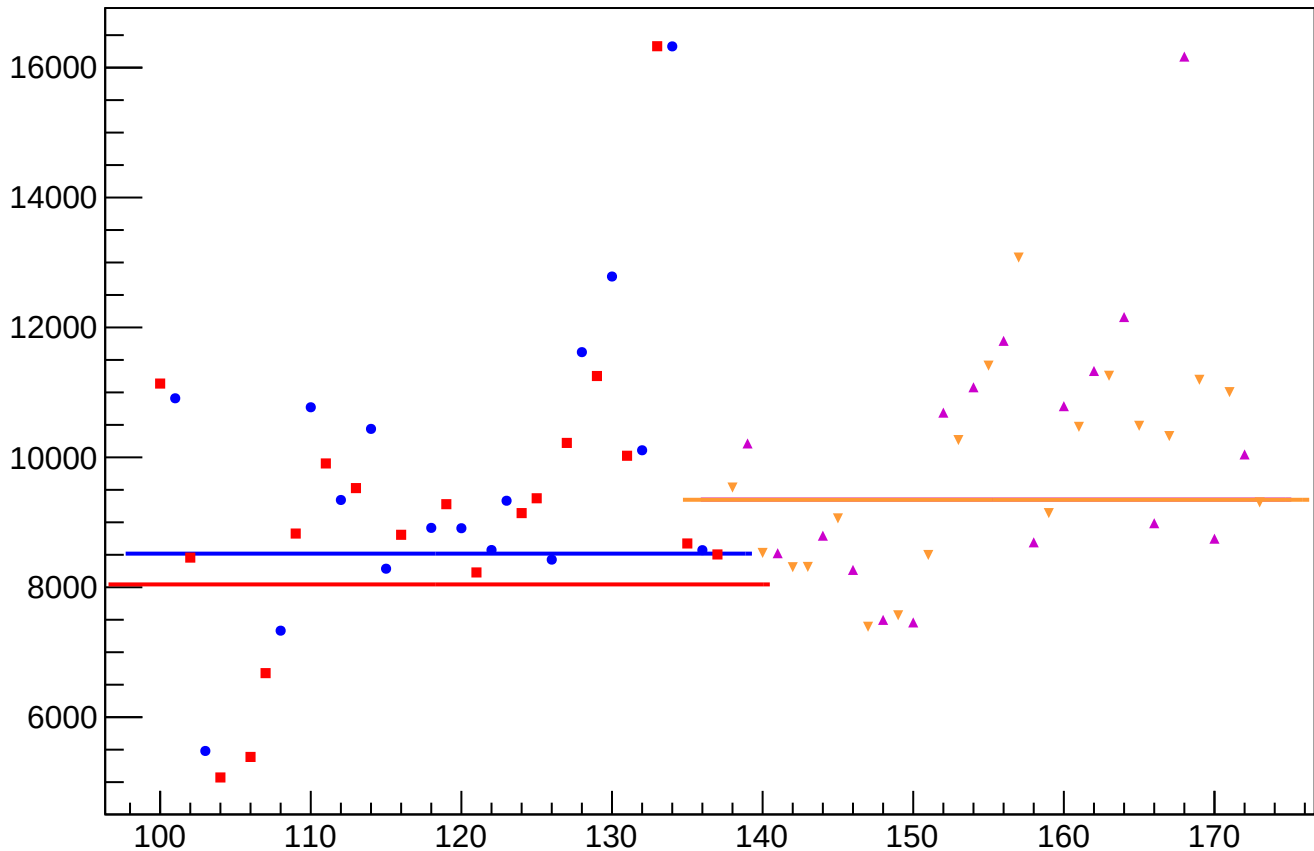
Right: 6084.354+/-2320.872 χ^2/NDF : 28.5/35

In: 3709.498+/-2076.106 χ^2/NDF : 29.0/33

Out: 1092.170+/-1971.322 χ^2/NDF : 35.0/37

All: 2333.119+/-1429.544 χ^2/NDF : 64.8/71

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8517.886+/-2.411 χ^2/NDF : 763281.4/16

Left Out: 9347.094+/-1.781 χ^2/NDF : 620362.3/18

Right Out: 8043.998+/-2.240 χ^2/NDF : 952125.8/18

Left In: 9350.381+/-1.851 χ^2/NDF : 862129.1/16

Left: 9348.674+/-1.283 χ^2/NDF : 1482493.0/35

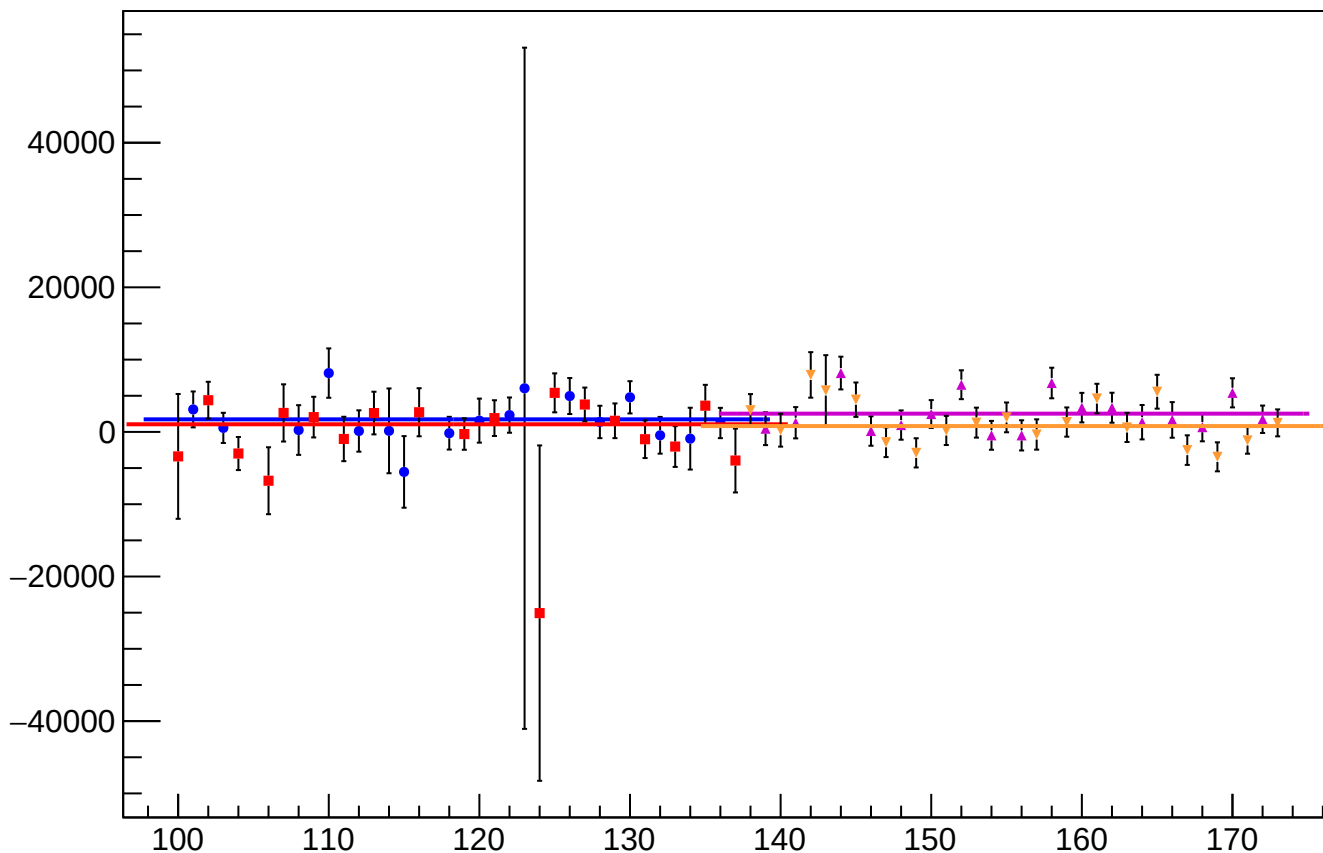
Right: 8263.573+/-1.641 χ^2/NDF : 1736141.9/35

In: 9041.706+/-1.468 χ^2/NDF : 1700437.0/33

Out: 8842.565+/-1.394 χ^2/NDF : 1779848.0/37

All: 8936.982+/-1.011 χ^2/NDF : 3489961.9/71

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1739.640 $\pm$ 670.395 χ^2 /NDF: 12.4/16

Left Out: 807.851 $\pm$ 492.596 χ^2 /NDF:30.8/18

Right Out: 1055.584 $\pm$ 670.984 χ^2 /NDF: 18.9/18

Left In: 2526.347 $\pm$ 505.748 χ^2 /NDF:25.5/16

Left: 1644.463 $\pm$ 352.876 χ^2 /NDF: 62.2/35

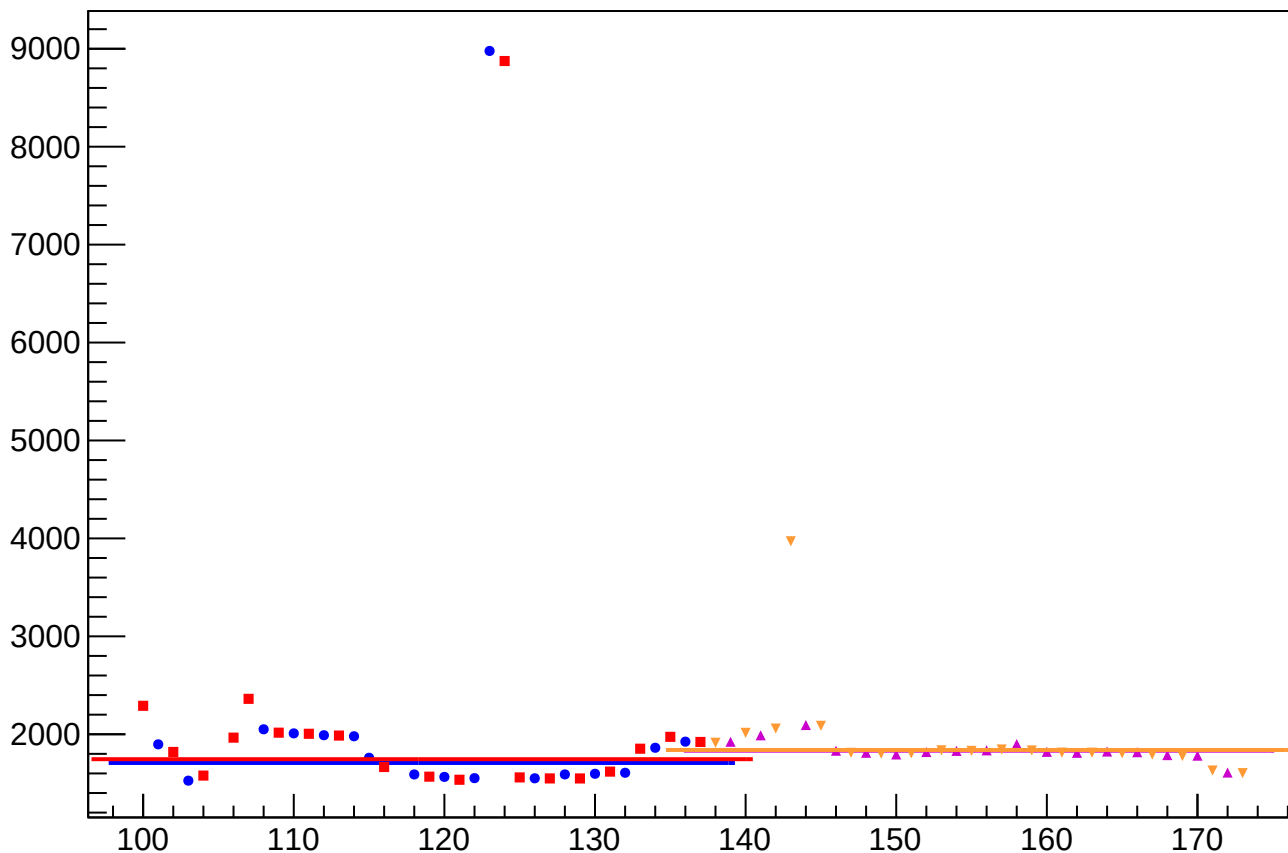
Right: 1397.913 $\pm$ 474.249 χ^2 /NDF: 31.8/35

In: 2241.007 $\pm$ 403.744 χ^2 /NDF:38.8/33

Out: 894.610 $\pm$ 397.079 χ^2 /NDF:49.8/37

All: 1556.604 $\pm$ 283.104 χ^2 /NDF: 94.2/71

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1706.867 $\pm$ 0.474 χ^2 /NDF: 197555.1/16

Left Out: 1839.475 $\pm$ 0.348 χ^2 /NDF: 489408.8/18

Right Out: 1745.434 $\pm$ 0.472 χ^2 /NDF: 399811.9/18

Left In: 1832.435 $\pm$ 0.358 χ^2 /NDF: 74175.5/16

Left: 1836.048 $\pm$ 0.250 χ^2 /NDF: 563783.1/35

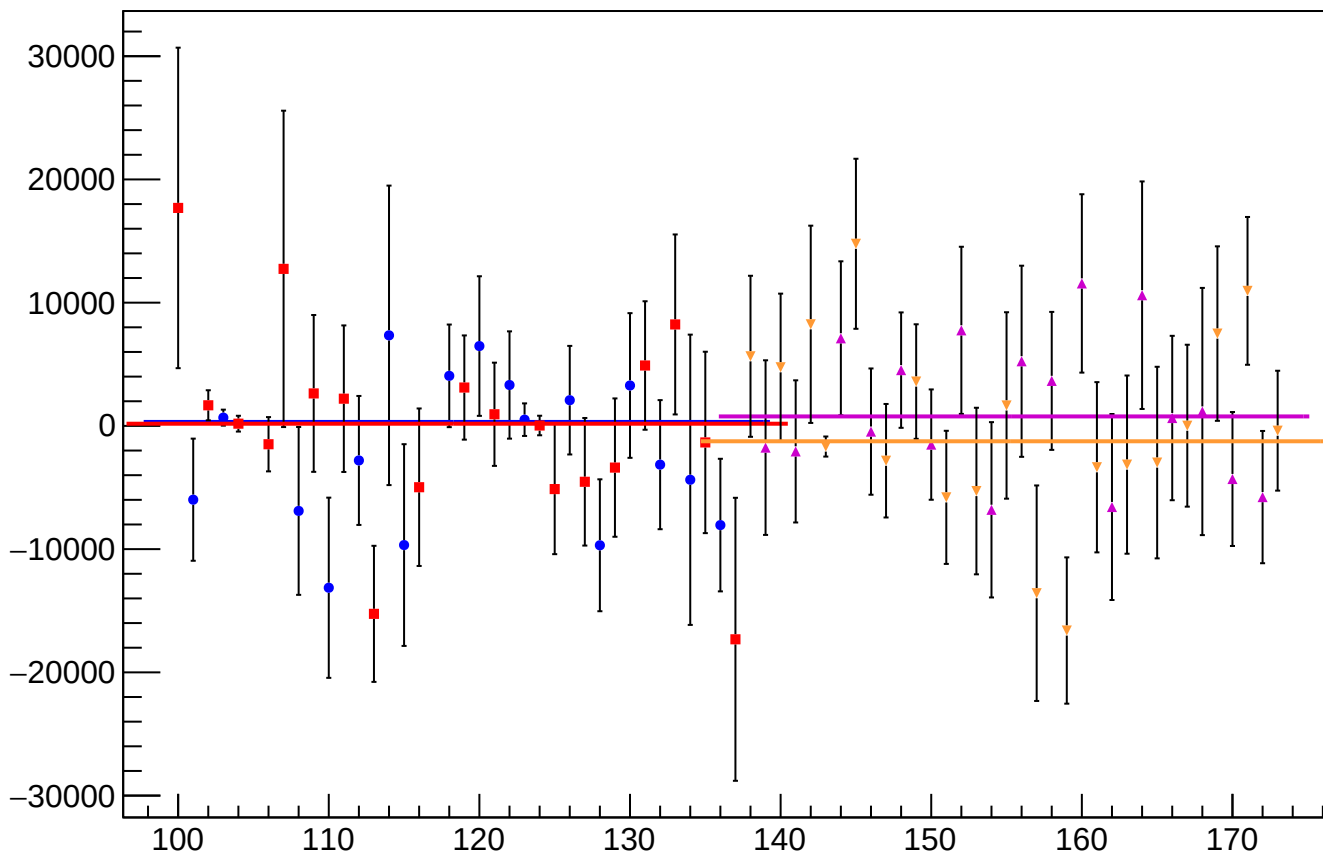
Right: 1726.220 $\pm$ 0.335 χ^2 /NDF: 600688.4/35

In: 1786.891 $\pm$ 0.285 χ^2 /NDF: 316447.2/33

Out: 1806.349 $\pm$ 0.280 χ^2 /NDF: 914896.7/37

All: 1796.797 $\pm$ 0.200 χ^2 /NDF: 1233709.0/71

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 320.899+/-540.384 χ^2/NDF : 18.0/16

Left Out: -1247.758+/-711.913 χ^2/NDF : 26.2/18

Right Out: 176.640+/-433.552 χ^2/NDF : 20.8/18

Left In: 768.611+/-1492.988 χ^2/NDF : 11.8/16

Left: -874.220+/-642.597 χ^2/NDF : 39.6/35

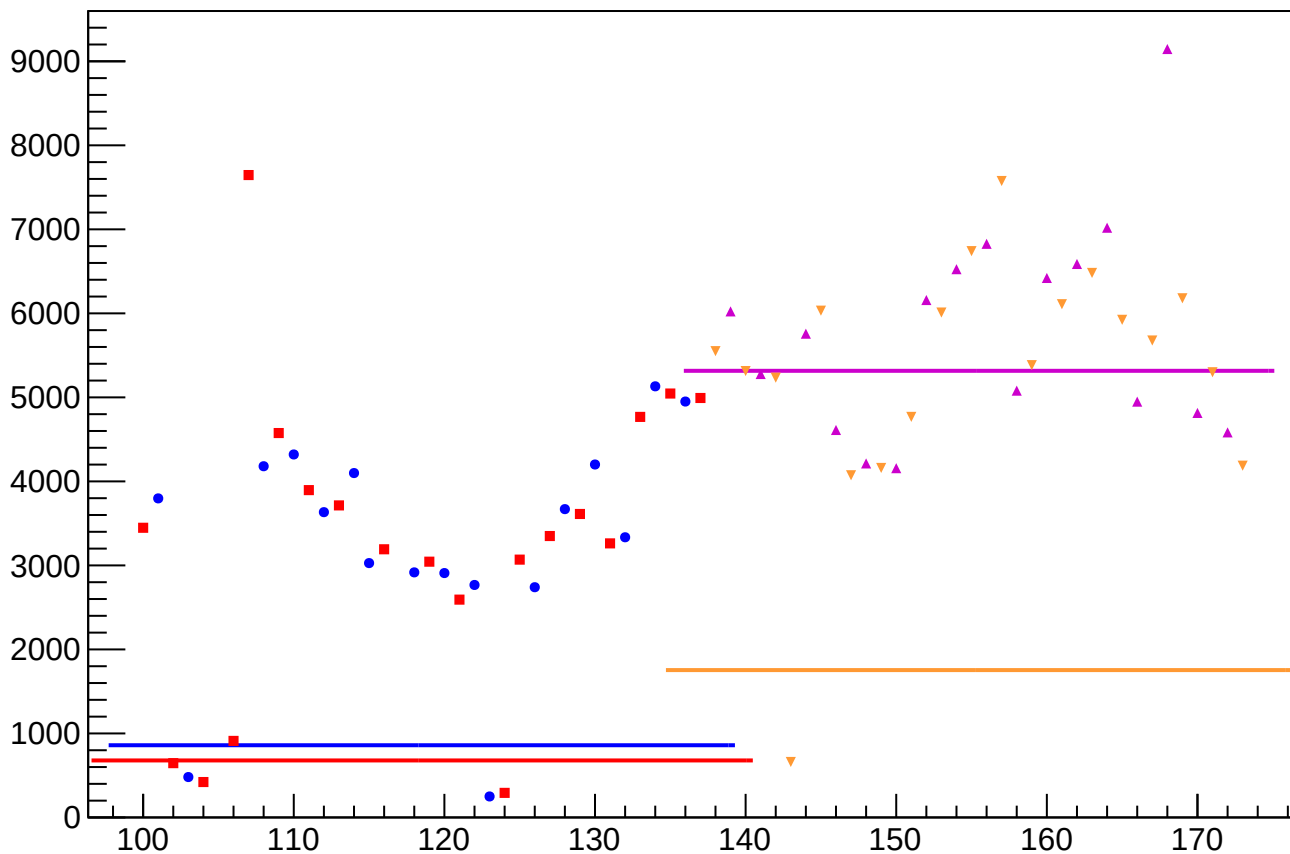
Right: 233.134+/-338.167 χ^2/NDF : 38.8/35

In: 372.758+/-508.124 χ^2/NDF : 29.9/33

Out: -208.715+/-370.290 χ^2/NDF : 49.9/37

All: -7.026+/-299.258 χ^2/NDF : 80.7/71

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 859.557 $\pm$ 0.382 χ^2 /NDF: 8143264.5/16

Left Out: 1753.985 $\pm$ 0.503 χ^2 /NDF: 16017341.6/18

Right Out: 678.603 $\pm$ 0.307 χ^2 /NDF: 8384814.2/18

Left In: 5316.125 $\pm$ 1.056 χ^2 /NDF: 1004503.3/16

Left: 2413.880 $\pm$ 0.454 χ^2 /NDF: 26297873.7/35

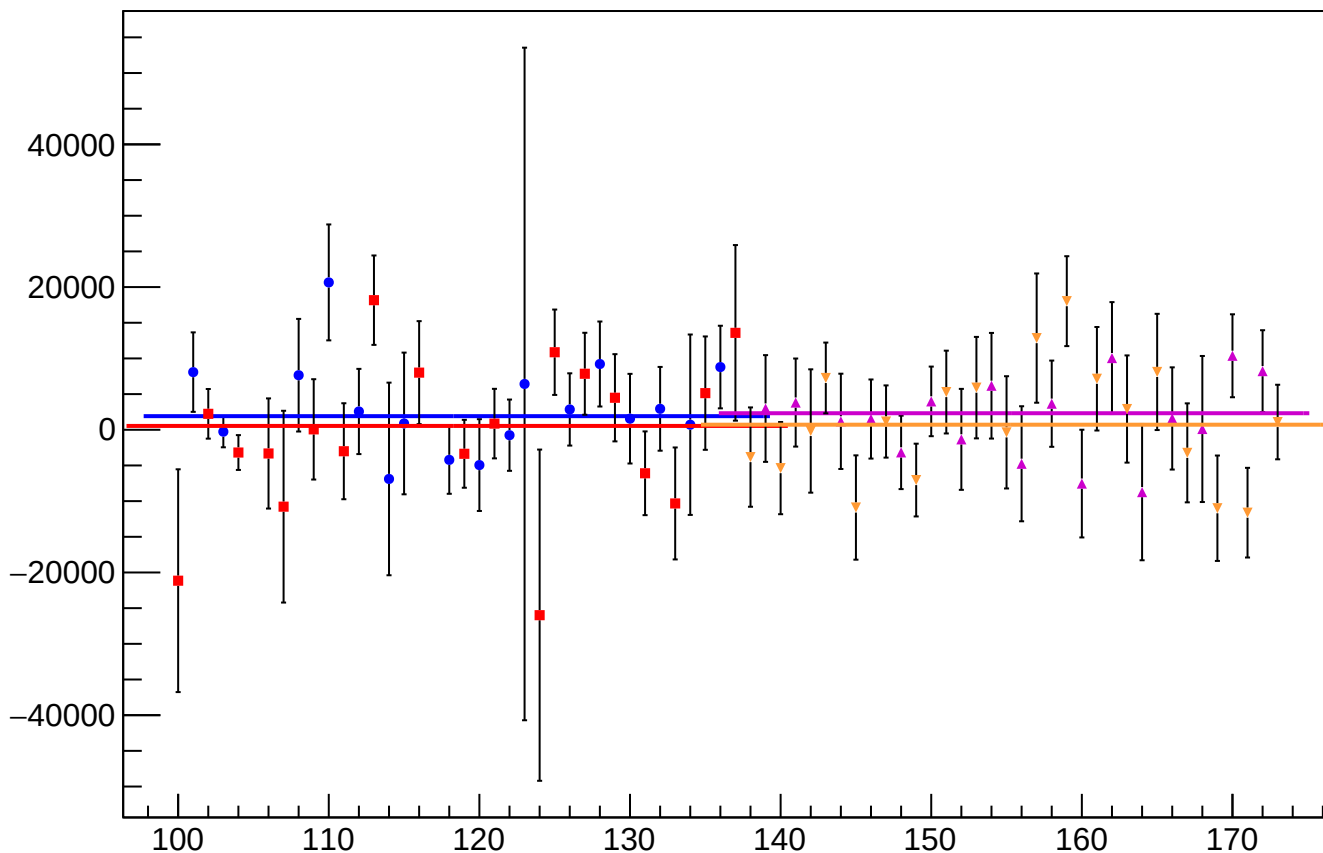
Right: 749.467 $\pm$ 0.239 χ^2 /NDF: 16664518.8/35

In: 1375.768 $\pm$ 0.359 χ^2 /NDF: 24904031.0/33

Out: 969.536 $\pm$ 0.262 χ^2 /NDF: 27731079.2/37

All: 1110.441 $\pm$ 0.212 χ^2 /NDF: 53470034.4/71

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1909.348 $\pm$ 1310.219 χ^2 /NDF: 14.6/16

Left Out: 711.962 $\pm$ 1489.440 χ^2 /NDF:26.8/18

Right Out: 539.549 $\pm$ 1285.817 χ^2 /NDF: 26.4/18

Left In: 2320.063 $\pm$ 1593.714 χ^2 /NDF:9.8/16

Left: 1461.688 $\pm$ 1088.191 χ^2 /NDF: 37.1/35

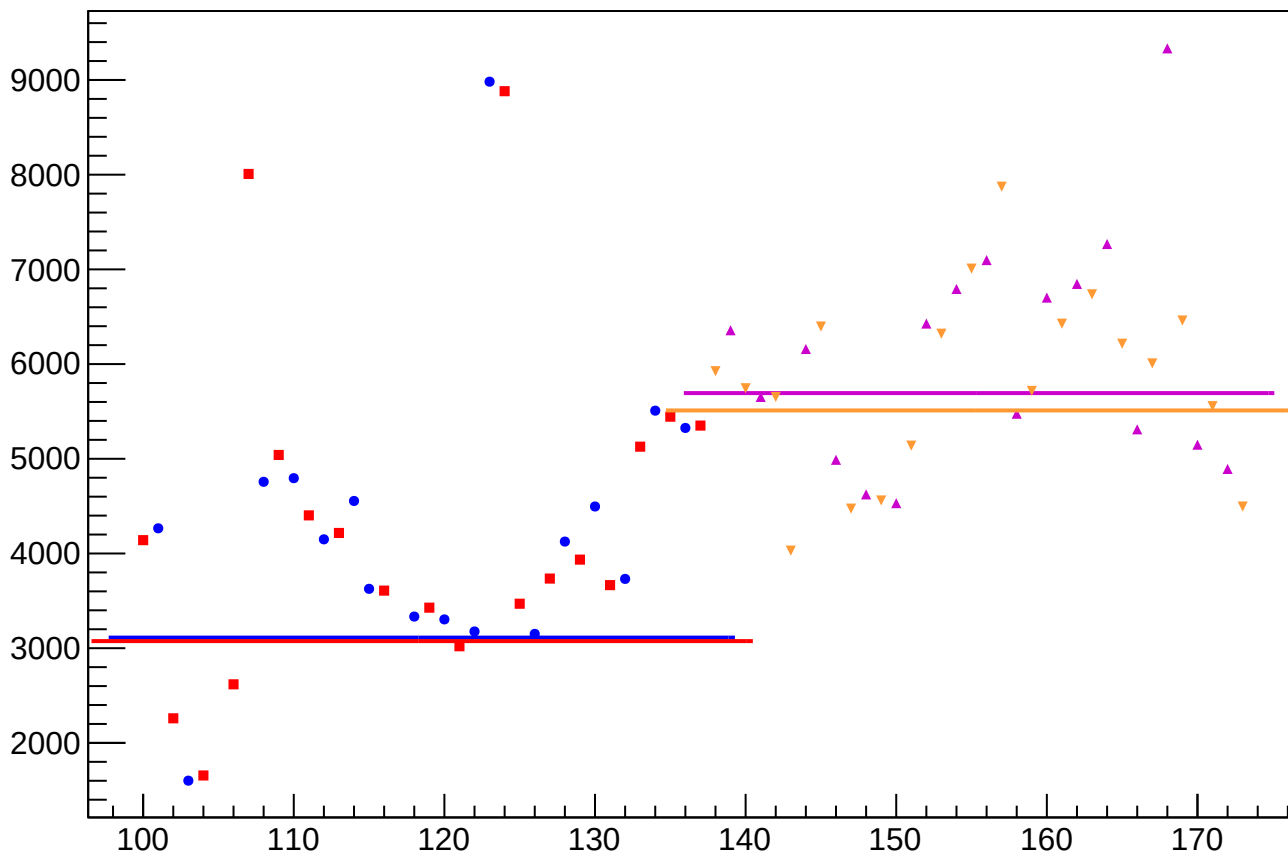
Right: 1211.574 $\pm$ 917.716 χ^2 /NDF: 41.6/35

In: 2074.988 $\pm$ 1012.099 χ^2 /NDF:24.4/33

Out: 613.173 $\pm$ 973.303 χ^2 /NDF:53.2/37

All: 1315.527 $\pm$ 701.544 χ^2 /NDF: 78.7/71

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3111.825+/-0.926 χ^2/NDF : 1879558.6/16

Left Out: 5510.571+/-1.053 χ^2/NDF : 835164.8/18

Right Out: 3074.771+/-0.896 χ^2/NDF : 2005627.6/18

Left In: 5693.712+/-1.127 χ^2/NDF : 835245.0/16

Left: 5595.954+/-0.769 χ^2/NDF : 1684507.4/35

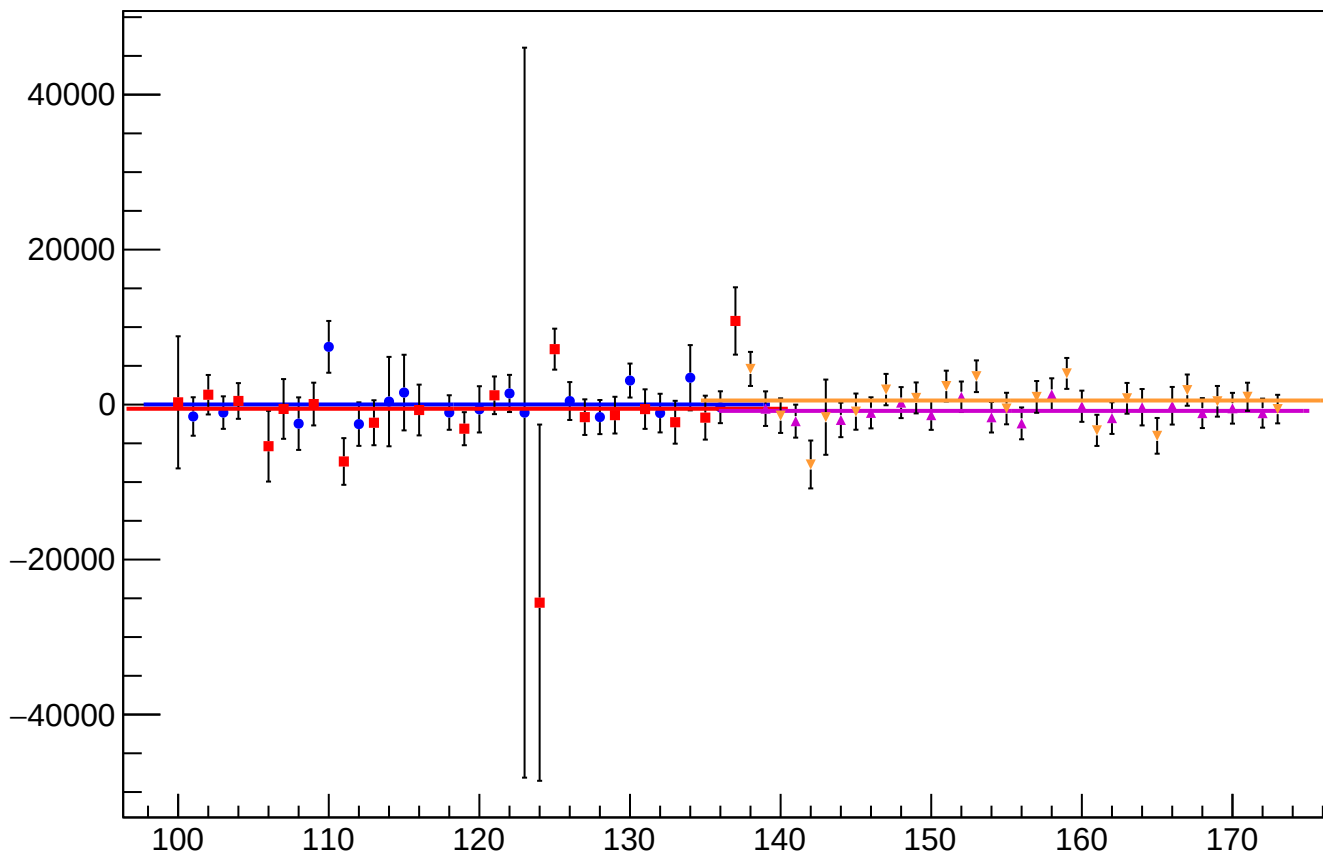
Right: 3092.680+/-0.644 χ^2/NDF : 3886012.7/35

In: 4153.086+/-0.716 χ^2/NDF : 5846961.3/33

Out: 4097.578+/-0.682 χ^2/NDF : 5943674.9/37

All: 4124.015+/-0.494 χ^2/NDF : 11793787.0/71

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 14.118 ± 661.101 χ^2/NDF : 11.1/16

Left Out: 527.428 ± 485.441 χ^2/NDF : 27.5/18

Right Out: -537.476 ± 661.143 χ^2/NDF : 26.7/18

Left In: -812.277 ± 498.471 χ^2/NDF : 4.2/16

Left: -124.685 ± 347.774 χ^2/NDF : 35.4/35

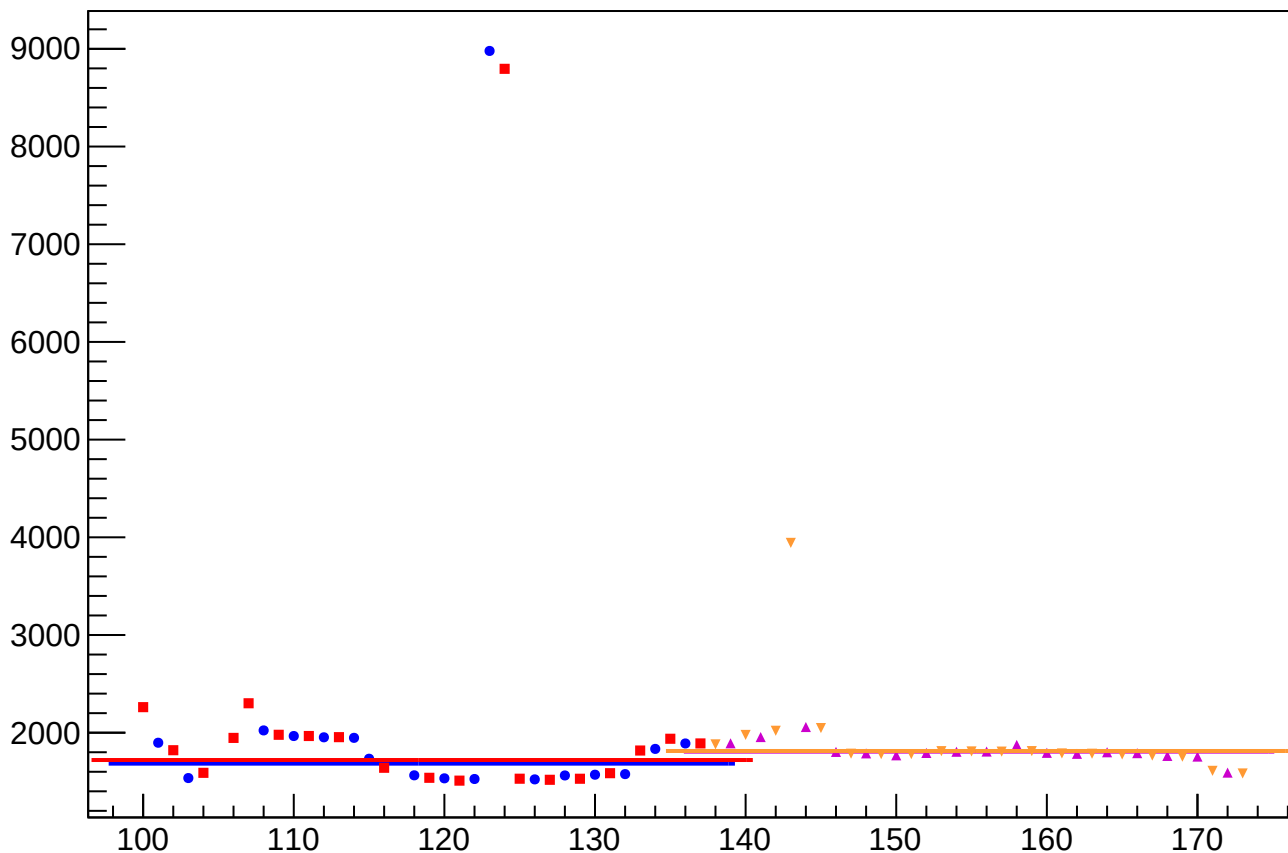
Right: -261.662 ± 467.484 χ^2/NDF : 38.1/35

In: -512.746 ± 398.011 χ^2/NDF : 16.3/33

Out: 154.418 ± 391.292 χ^2/NDF : 55.9/37

All: -173.485 ± 279.030 χ^2/NDF : 73.6/71

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1683.259+/-0.467 χ^2/NDF : 195893.7/16

Left Out: 1812.782+/-0.343 χ^2/NDF : 488772.9/18

Right Out: 1720.379+/-0.465 χ^2/NDF : 396099.9/18

Left In: 1806.134+/-0.352 χ^2/NDF : 70646.5/16

Left: 1809.546+/-0.246 χ^2/NDF : 559602.1/35

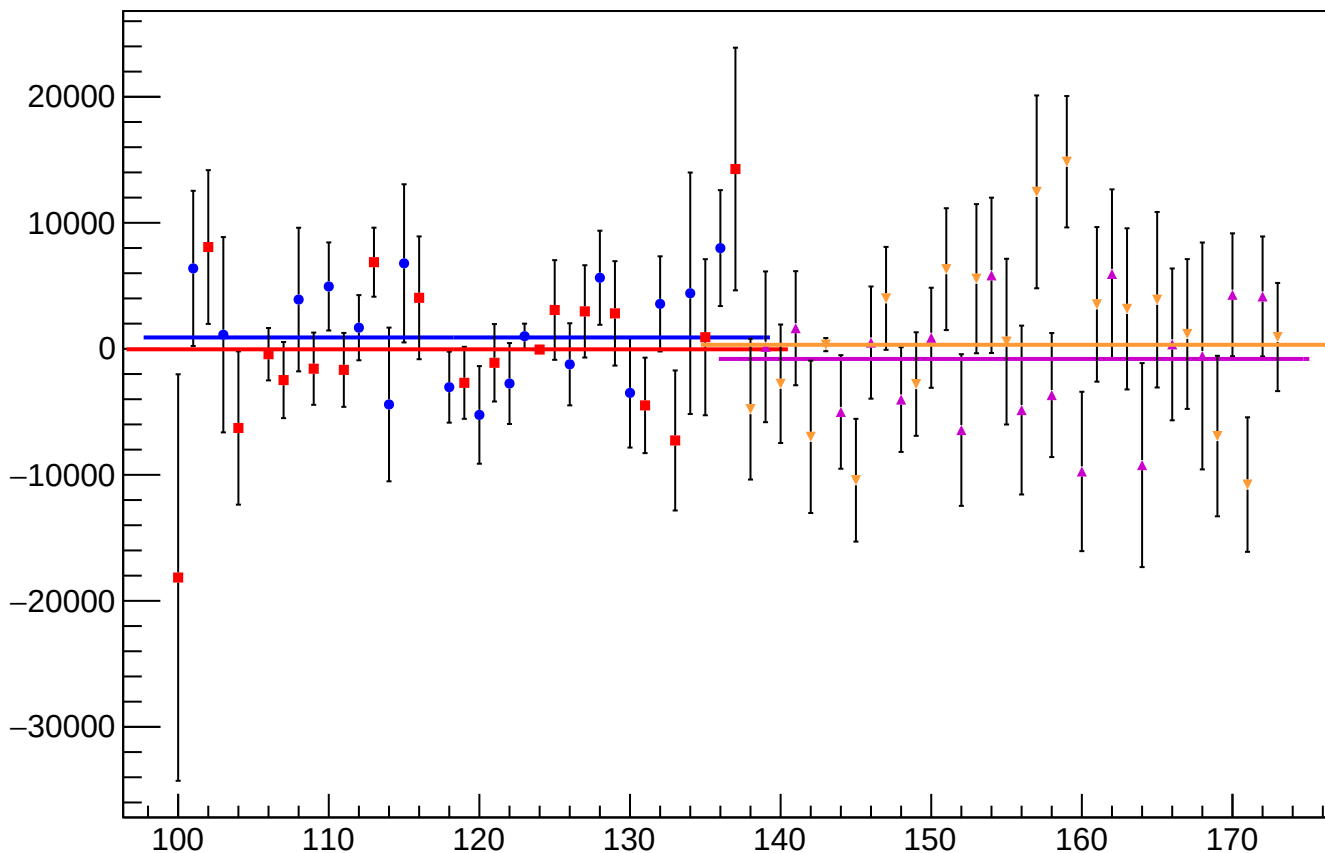
Right: 1701.898+/-0.330 χ^2/NDF : 595159.7/35

In: 1761.597+/-0.281 χ^2/NDF : 310588.8/33

Out: 1780.233+/-0.276 χ^2/NDF : 910398.8/37

All: 1771.088+/-0.197 χ^2/NDF : 1223220.5/71

asym_atl_dd_correction_mean vs Slug, Sign Corrected



Right In: 903.344 $\pm$ 705.564 χ^2 /NDF: 16.0/16

Left Out: 319.985 $\pm$ 482.720 χ^2 /NDF:28.0/18

Right Out: -38.143 $\pm$ 357.176 χ^2 /NDF: 20.5/18

Left In: -802.947 $\pm$ 1286.984 χ^2 /NDF:11.1/16

Left: 181.491 $\pm$ 451.973 χ^2 /NDF: 39.7/35

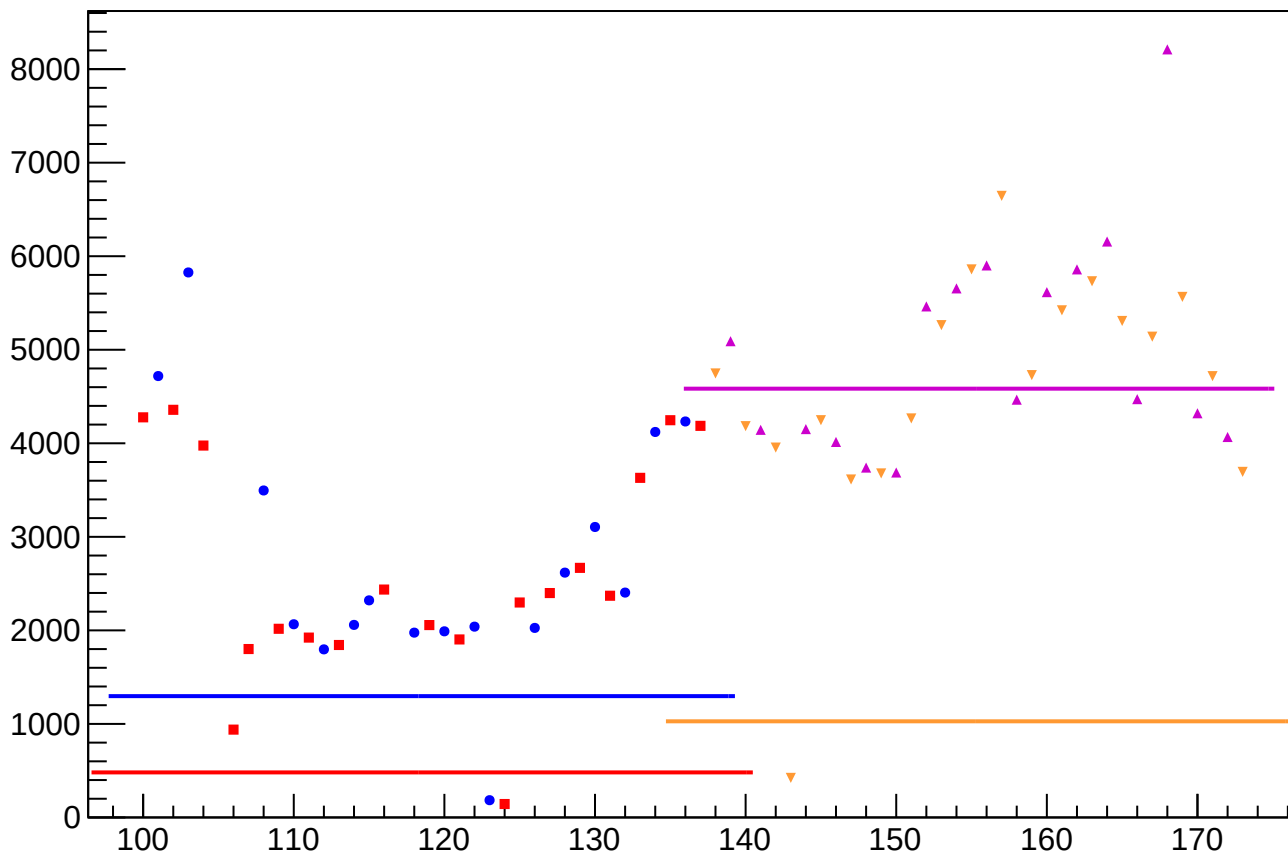
Right: 153.912 $\pm$ 318.670 χ^2 /NDF: 37.9/35

In: 509.022 $\pm$ 618.688 χ^2 /NDF:28.4/33

Out: 88.560 $\pm$ 287.124 χ^2 /NDF:48.8/37

All: 163.069 $\pm$ 260.444 χ^2 /NDF: 77.7/71

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1297.005+/-0.499

χ^2/NDF : 6509608.5/16

Left Out: 1027.806+/-0.341

χ^2/NDF : 19091800.0/18

Right Out: 481.577+/-0.253

χ^2/NDF : 10144170.1/18

Left In: 4583.969+/-0.910

χ^2/NDF : 1006051.2/16

Left: 1466.397+/-0.320

χ^2/NDF : 33484807.6/35

Right: 647.917+/-0.225

χ^2/NDF : 18780181.6/35

In: 2056.618+/-0.437

χ^2/NDF : 17546661.8/33

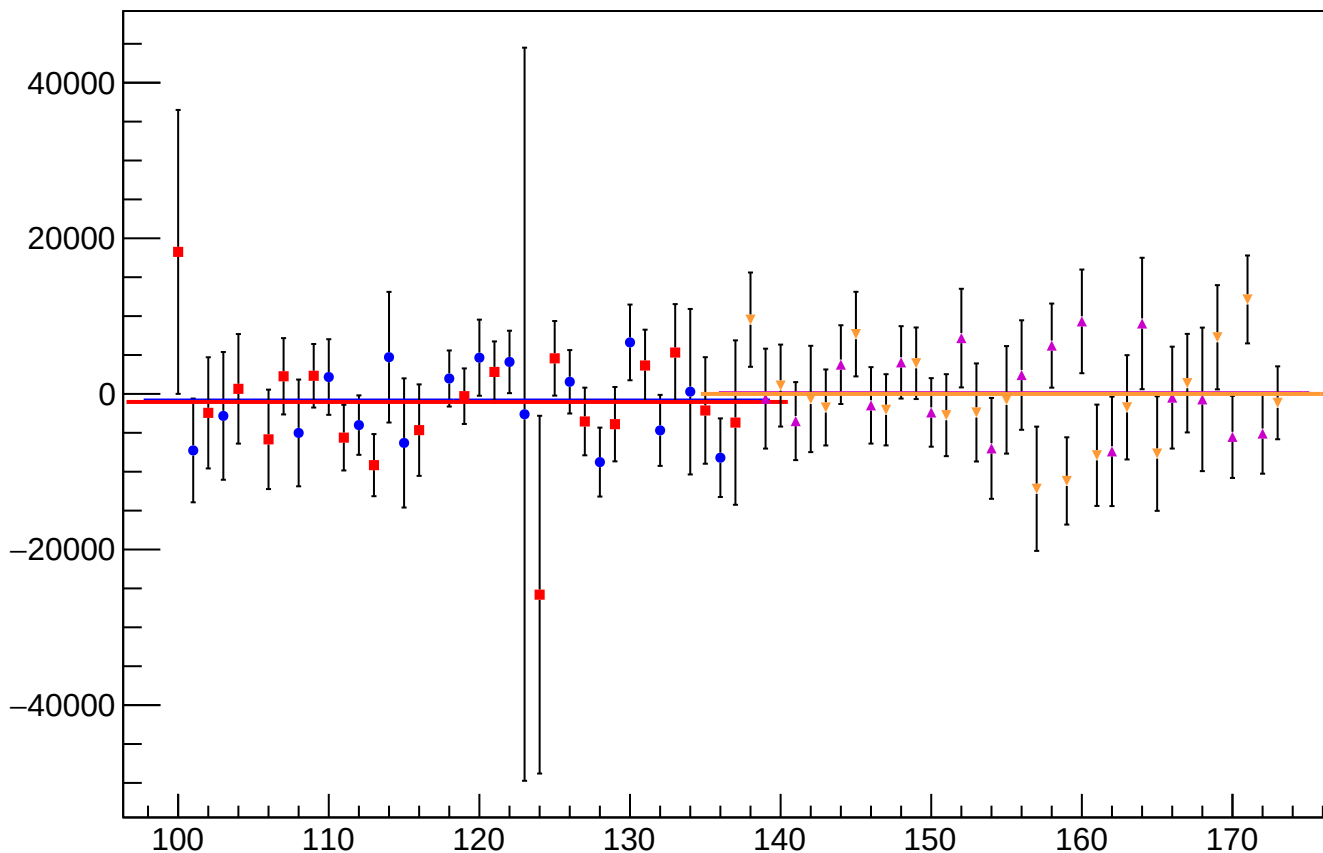
Out: 674.828+/-0.203

χ^2/NDF : 30890830.3/37

All: 919.693+/-0.184

χ^2/NDF : 56645915.5/73

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -849.372+/-1261.026 χ^2/NDF : 15.4/16

Left Out: -1.903+/-1320.483 χ^2/NDF : 20.8/18

Right Out: -1033.205+/-1190.714 χ^2/NDF : 15.0/18

Left In: 95.971+/-1399.490 χ^2/NDF : 12.4/16

Left: 44.193+/-960.439 χ^2/NDF : 33.2/35

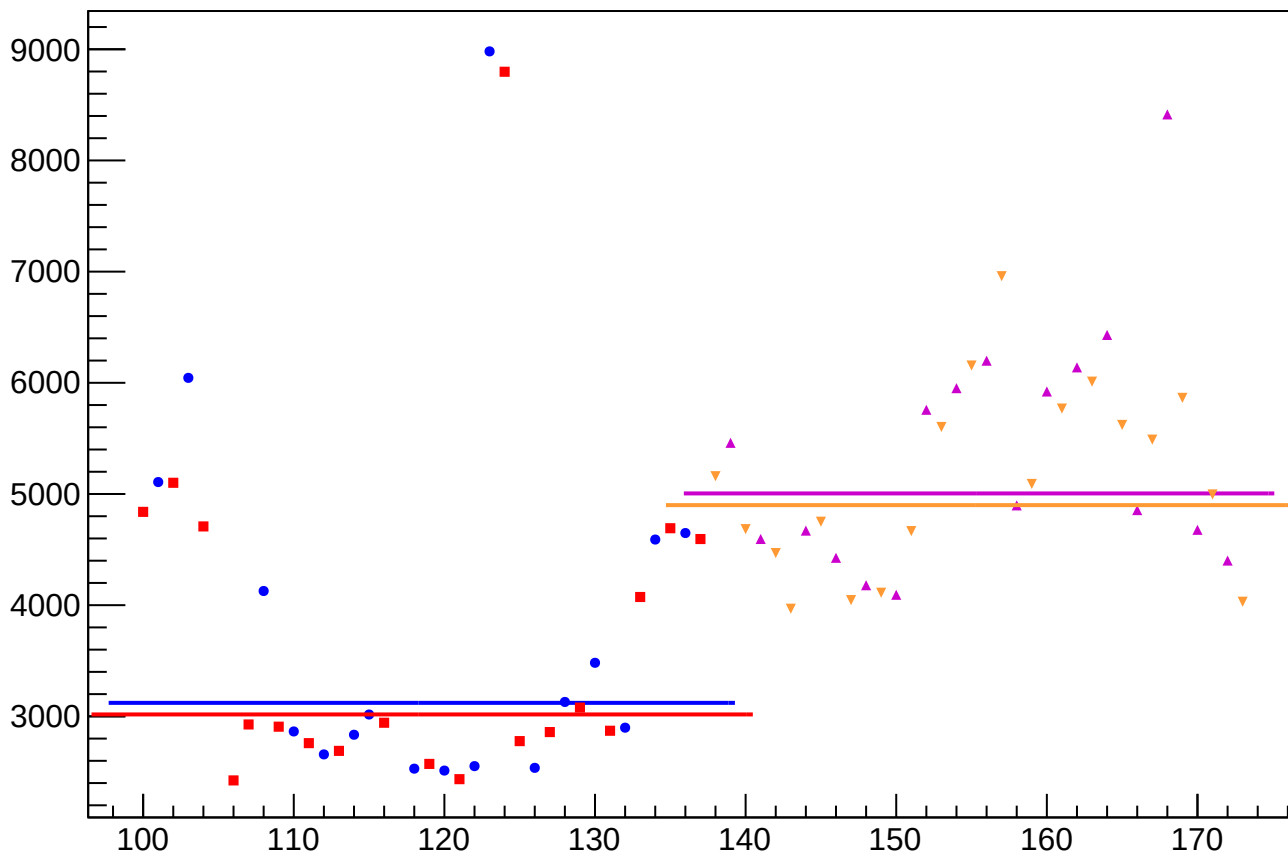
Right: -946.556+/-865.752 χ^2/NDF : 30.4/35

In: -425.767+/-936.819 χ^2/NDF : 28.0/33

Out: -570.706+/-884.291 χ^2/NDF : 36.2/37

All: -502.414+/-643.056 χ^2/NDF : 64.2/71

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3121.417 $\pm$ 0.892 χ^2 /NDF: 945708.1/16

Left Out: 4899.756 $\pm$ 0.934 χ^2 /NDF: 685653.4/18

Right Out: 3017.215 $\pm$ 0.831 χ^2 /NDF: 791997.9/18

Left In: 5005.089 $\pm$ 0.990 χ^2 /NDF: 793800.1/16

Left: 4949.366 $\pm$ 0.679 χ^2 /NDF: 1485447.1/35

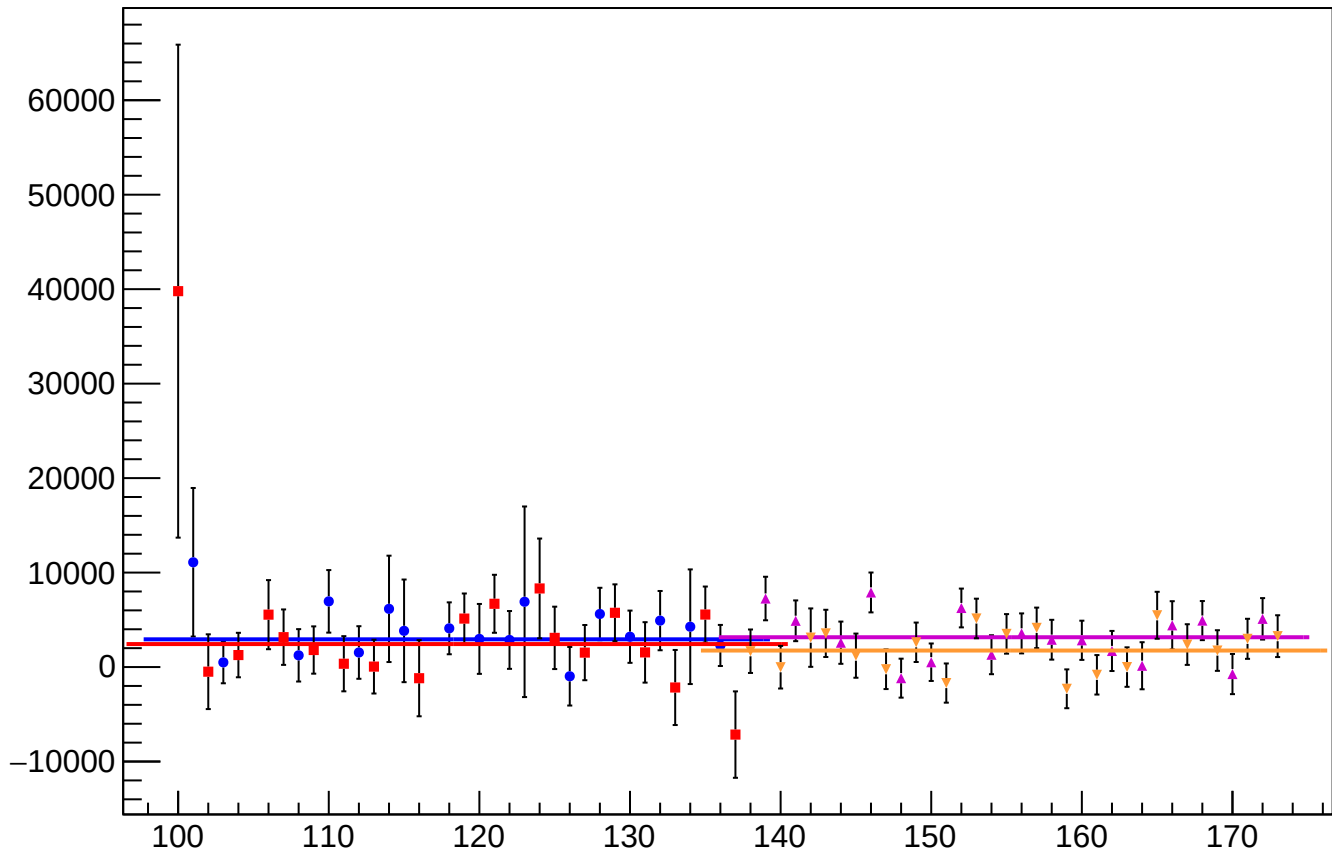
Right: 3065.680 $\pm$ 0.608 χ^2 /NDF: 1745010.6/35

In: 3965.479 $\pm$ 0.662 χ^2 /NDF: 3739214.1/33

Out: 3849.815 $\pm$ 0.621 χ^2 /NDF: 3744769.8/37

All: 3903.914 $\pm$ 0.453 χ^2 /NDF: 7500211.6/71

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2935.827 $\pm$ 775.365 χ^2 /NDF: 8.2/16

Left Out: 1749.048 $\pm$ 505.633 χ^2 /NDF:19.1/18

Right Out: 2432.756 $\pm$ 740.416 χ^2 /NDF: 18.2/18

Left In: 3156.077 $\pm$ 522.025 χ^2 /NDF:25.3/16

Left: 2430.125 $\pm$ 363.194 χ^2 /NDF: 48.1/35

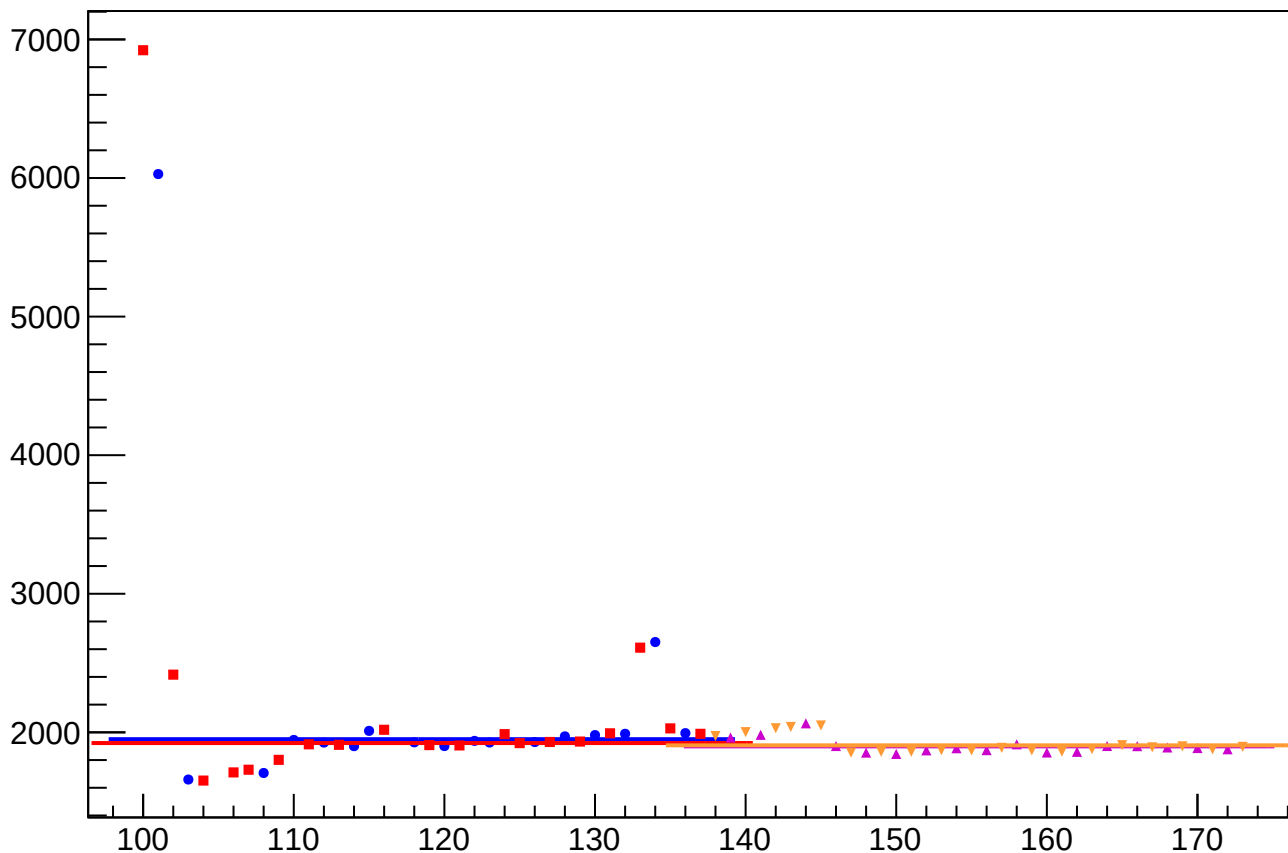
Right: 2672.699 $\pm$ 535.482 χ^2 /NDF: 26.5/35

In: 3087.380 $\pm$ 433.028 χ^2 /NDF:33.5/33

Out: 1966.493 $\pm$ 417.557 χ^2 /NDF:37.8/37

All: 2506.556 $\pm$ 300.578 χ^2 /NDF: 74.8/71

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1950.615+/-0.548 χ^2/NDF : 617332.2/16

Left Out: 1906.147+/-0.358 χ^2/NDF : 28615.1/18

Right Out: 1922.752+/-0.522 χ^2/NDF : 217400.0/18

Left In: 1898.683+/-0.369 χ^2/NDF : 20863.4/16

Left: 1902.534+/-0.257 χ^2/NDF : 49689.4/35

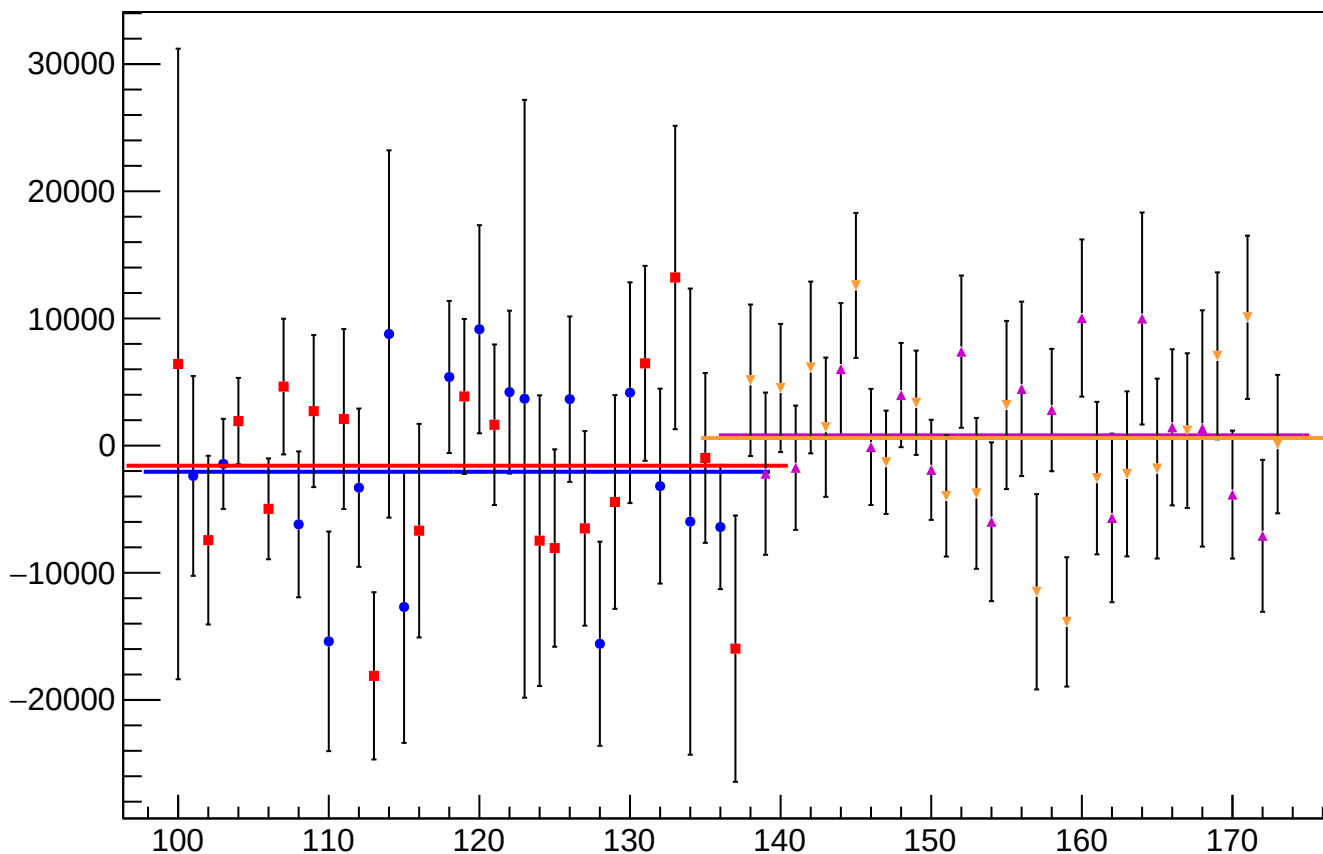
Right: 1936.009+/-0.378 χ^2/NDF : 836086.0/35

In: 1914.881+/-0.306 χ^2/NDF : 644369.1/33

Out: 1911.445+/-0.295 χ^2/NDF : 246703.1/37

All: 1913.099+/-0.212 χ^2/NDF : 891137.5/71

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: -2056.876+/-1661.079 χ^2/NDF : 14.0/16

Left Out: 595.074+/-1286.325 χ^2/NDF : 22.9/18

Right Out: -1580.717+/-1477.405 χ^2/NDF : 18.6/18

Left In: 806.376+/-1333.252 χ^2/NDF : 12.5/16

Left: 696.941+/-925.715 χ^2/NDF : 35.4/35

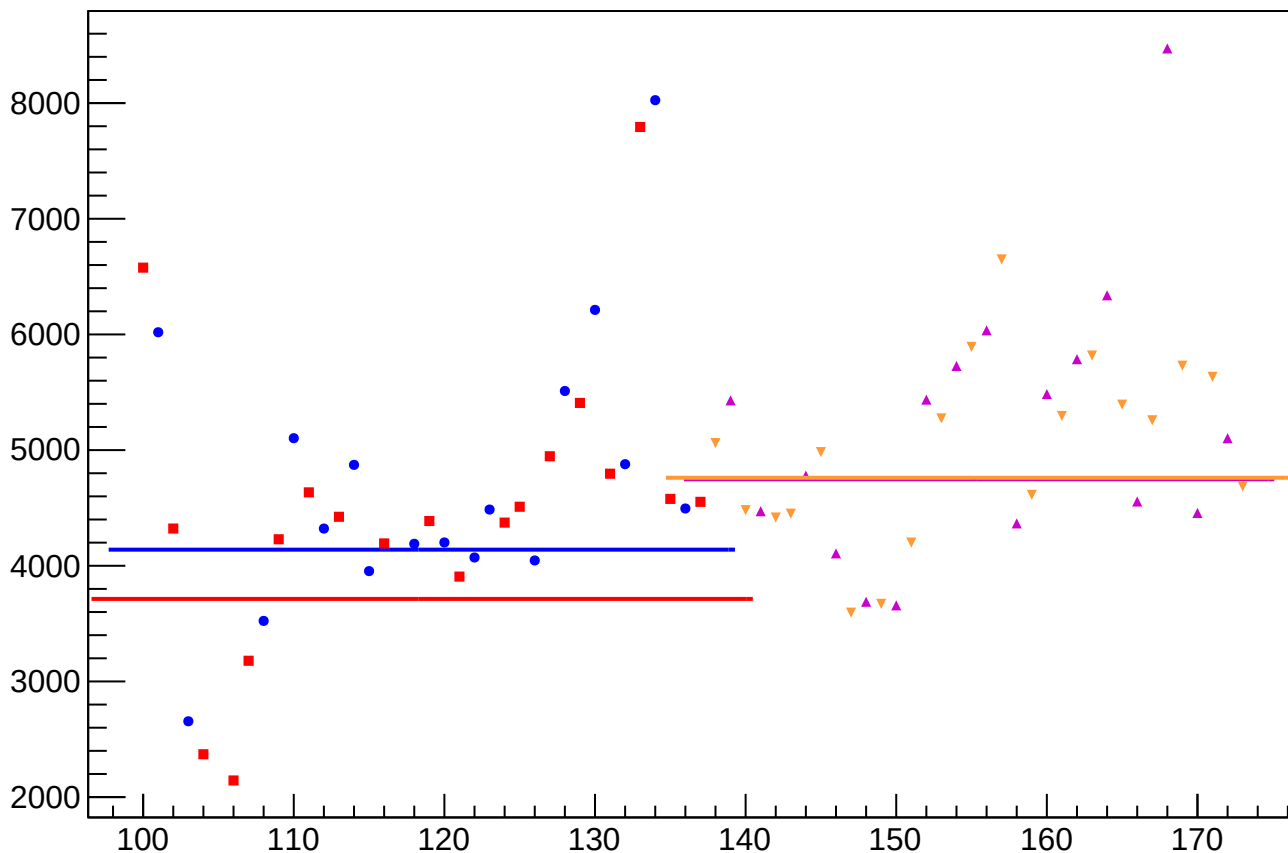
Right: -1791.026+/-1103.932 χ^2/NDF : 32.6/35

In: -315.487+/-1039.753 χ^2/NDF : 28.2/33

Out: -343.107+/-970.140 χ^2/NDF : 42.8/37

All: -330.252+/-709.327 χ^2/NDF : 71.0/71

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 4139.394+/-1.175 χ^2/NDF : 813550.8/16

Left Out: 4761.062+/-0.910 χ^2/NDF : 734669.1/18

Right Out: 3713.526+/-1.045 χ^2/NDF : 1275828.5/18

Left In: 4747.701+/-0.943 χ^2/NDF : 1001592.7/16

Left: 4754.621+/-0.655 χ^2/NDF : 1736365.8/35

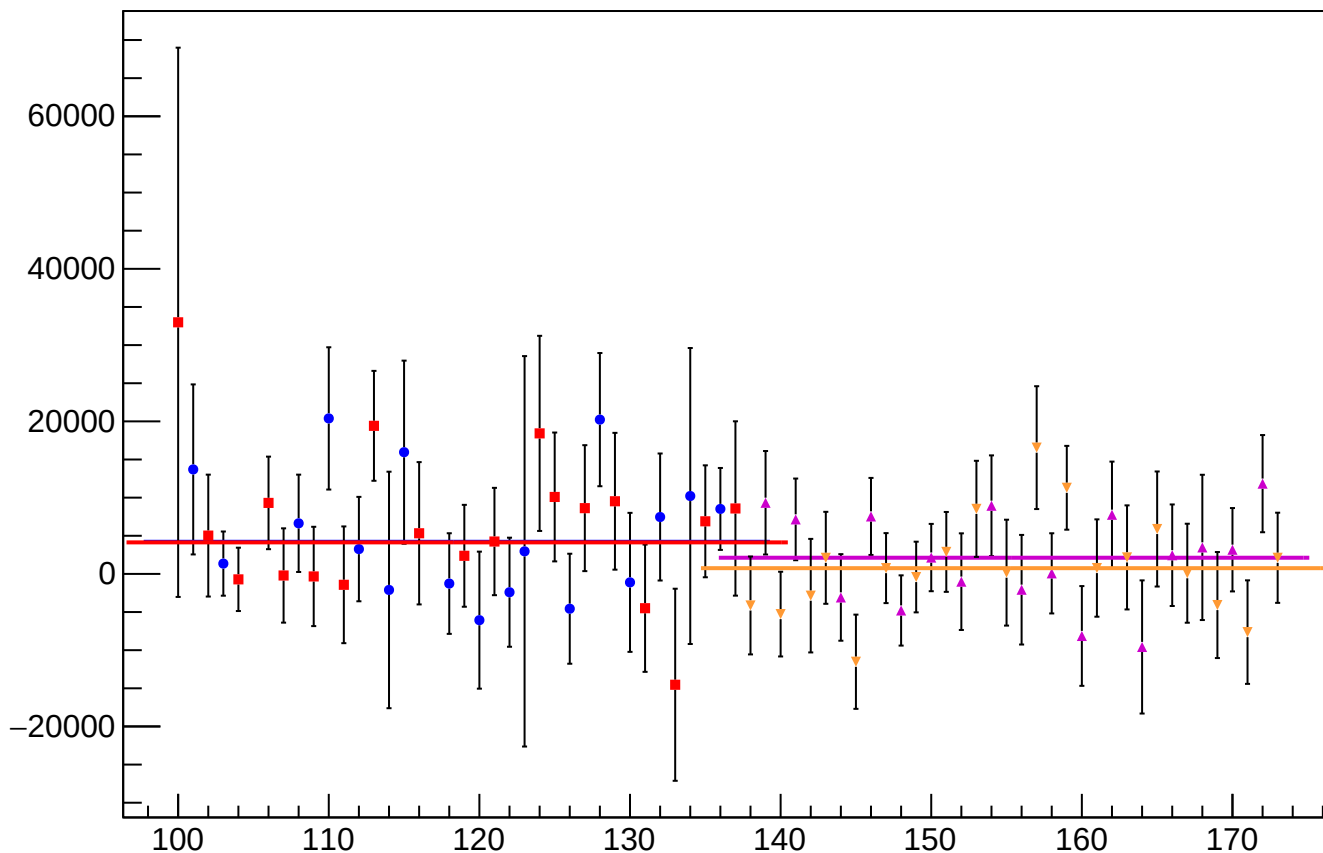
Right: 3901.622+/-0.781 χ^2/NDF : 2162777.5/35

In: 4509.358+/-0.735 χ^2/NDF : 1978272.8/33

Out: 4309.374+/-0.686 χ^2/NDF : 2582417.9/37

All: 4402.448+/-0.502 χ^2/NDF : 4600244.0/71

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4211.844 $\pm$ 1871.304 χ^2/NDF : 14.4/16

Left Out: 752.190 $\pm$ 1397.784 χ^2/NDF : 17.9/18

Right Out: 4133.660 $\pm$ 1725.341 χ^2/NDF : 14.8/18

Left In: 2120.955 $\pm$ 1447.045 χ^2/NDF : 15.4/16

Left: 1412.879 $\pm$ 1005.347 χ^2/NDF : 33.7/35

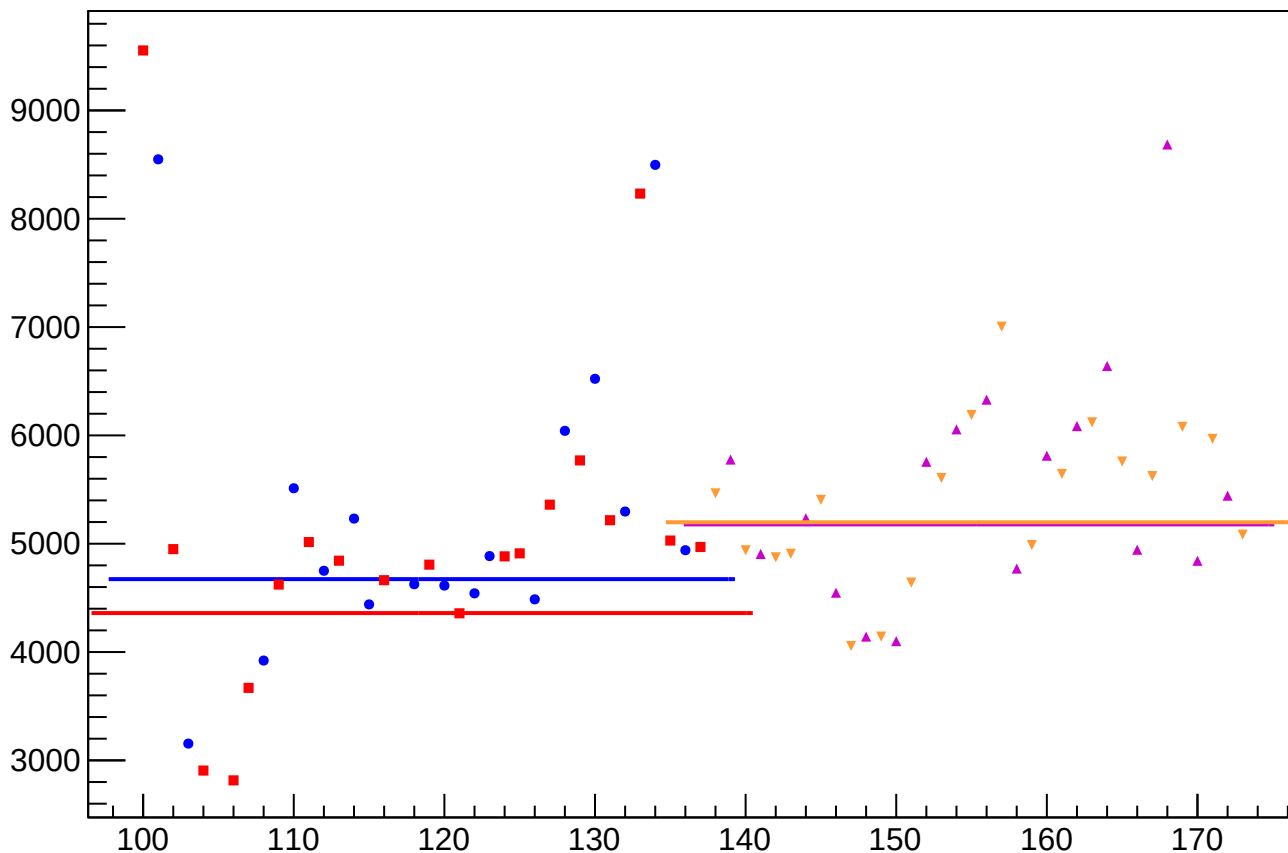
Right: 4169.584 $\pm$ 1268.468 χ^2/NDF : 29.2/35

In: 2903.374 $\pm$ 1144.718 χ^2/NDF : 30.5/33

Out: 2092.132 $\pm$ 1086.088 χ^2/NDF : 35.0/37

All: 2476.446 $\pm$ 787.892 χ^2/NDF : 65.8/71

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4673.046 $\pm$ 1.323 χ^2/NDF : 777321.1/16

Left Out: 5198.310 $\pm$ 0.988 χ^2/NDF :545973.5/18

Right Out: 4359.833 $\pm$ 1.213 χ^2/NDF : 832191.0/18

Left In: 5178.091 $\pm$ 1.023 χ^2/NDF :781575.9/16

Left: 5188.551 $\pm$ 0.711 χ^2/NDF : 1327751.3/35

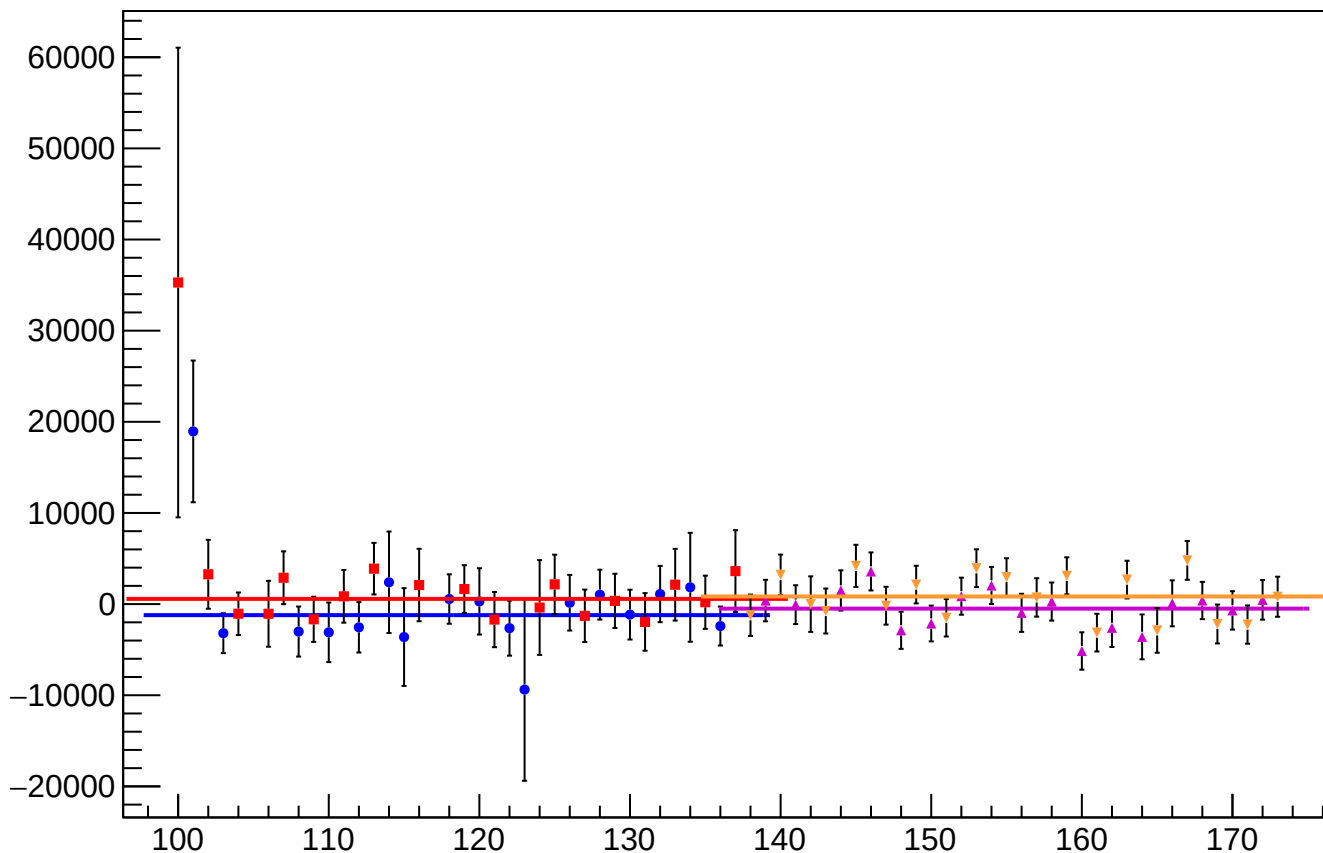
Right: 4502.849 $\pm$ 0.894 χ^2/NDF : 1639958.3/35

In: 4989.101 $\pm$ 0.809 χ^2/NDF :1650063.6/33

Out: 4863.729 $\pm$ 0.766 χ^2/NDF :1665336.7/37

All: 4922.978 $\pm$ 0.556 χ^2/NDF : 3328053.2/71

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1211.176+/-765.294 χ^2/NDF : 12.7/16

Left Out: 836.234+/-499.978 χ^2/NDF : 25.5/18

Right Out: 573.457+/-730.668 χ^2/NDF : 8.7/18

Left In: -496.581+/-516.316 χ^2/NDF : 17.3/16

Left: 191.247+/-359.175 χ^2/NDF : 46.1/35

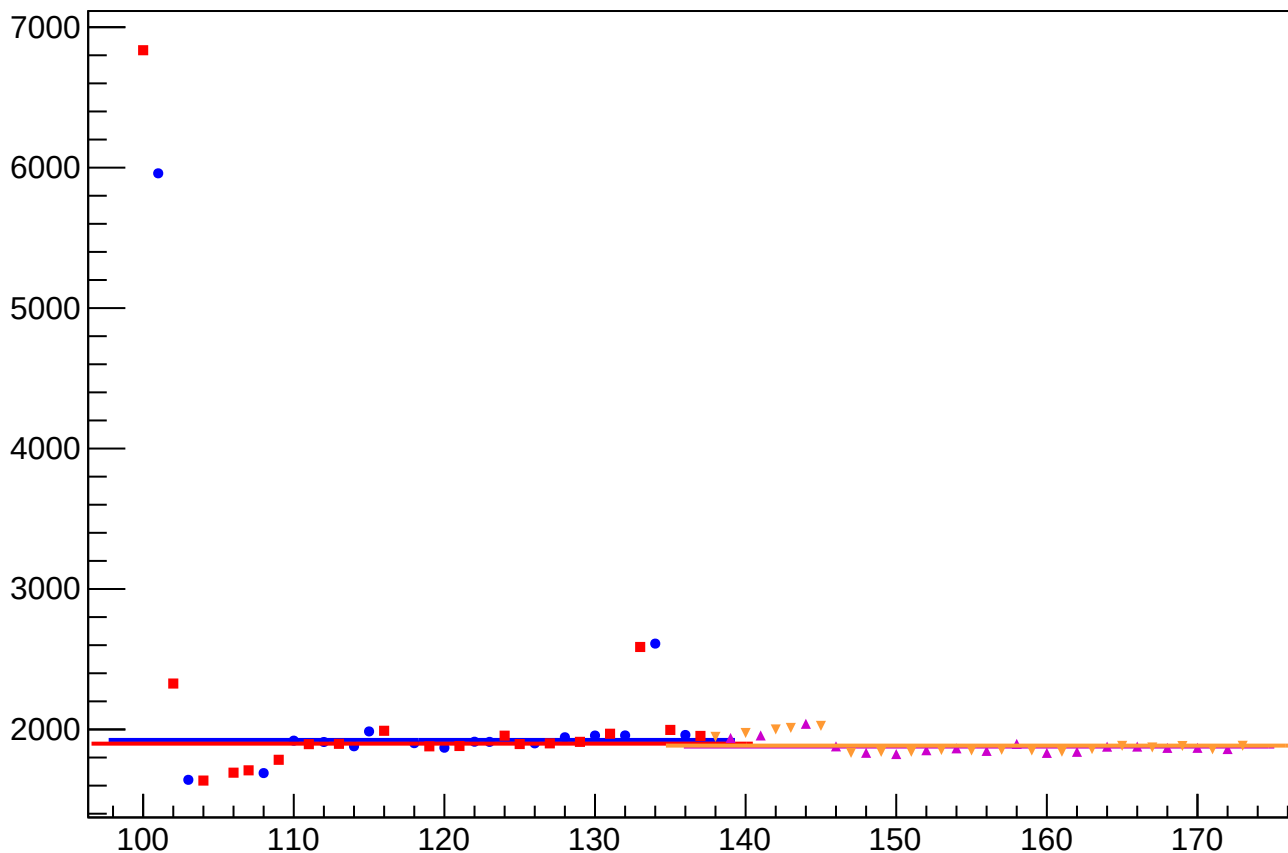
Right: -277.573+/-528.478 χ^2/NDF : 24.2/35

In: -720.103+/-428.015 χ^2/NDF : 30.5/33

Out: 752.432+/-412.623 χ^2/NDF : 34.2/37

All: 43.117+/-297.061 χ^2/NDF : 70.9/71

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1884.907+/-0.354 χ^2/NDF : 26930.1/18

Right Out: 1898.854+/-0.515 χ^2/NDF : 210875.1/18

Left In: 1877.945+/-0.365 χ^2/NDF : 20222.7/16

Left: 1881.538+/-0.254 χ^2/NDF : 47340.5/35

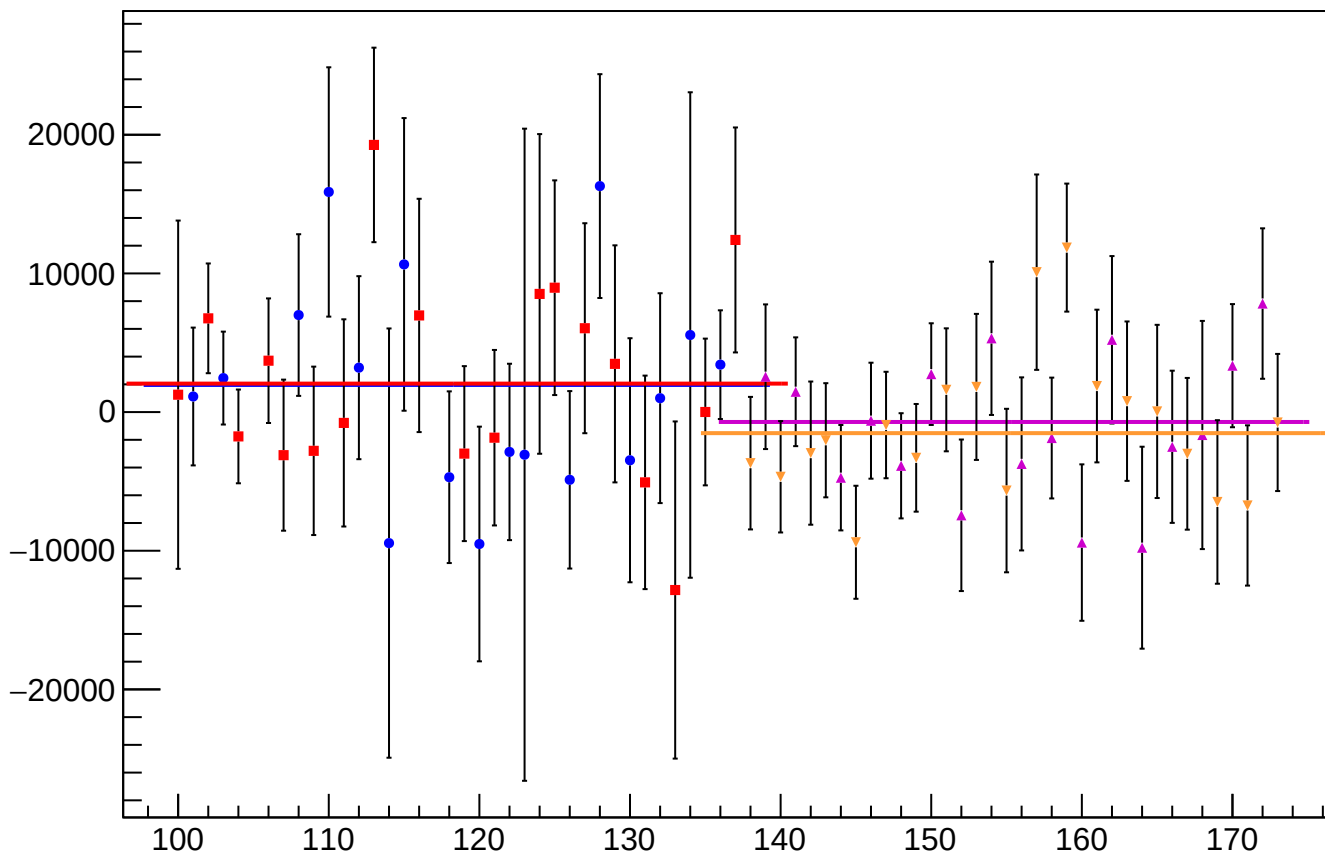
Right: 1911.445+/-0.373 χ^2/NDF : 827992.7/35

In: 1892.764+/-0.303 χ^2/NDF : 641353.2/33

Out: 1889.368+/-0.292 χ^2/NDF : 238303.1/37

All: 1891.003+/-0.210 χ^2/NDF : 879721.6/71

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1959.060+/-1556.840 χ^2/NDF : 12.9/16

Left Out: -1518.683+/-1117.097 χ^2/NDF : 19.6/18

Right Out: 2052.842+/-1413.641 χ^2/NDF : 17.4/18

Left In: -713.610+/-1172.816 χ^2/NDF : 14.7/16

Left: -1135.724+/-808.888 χ^2/NDF : 34.6/35

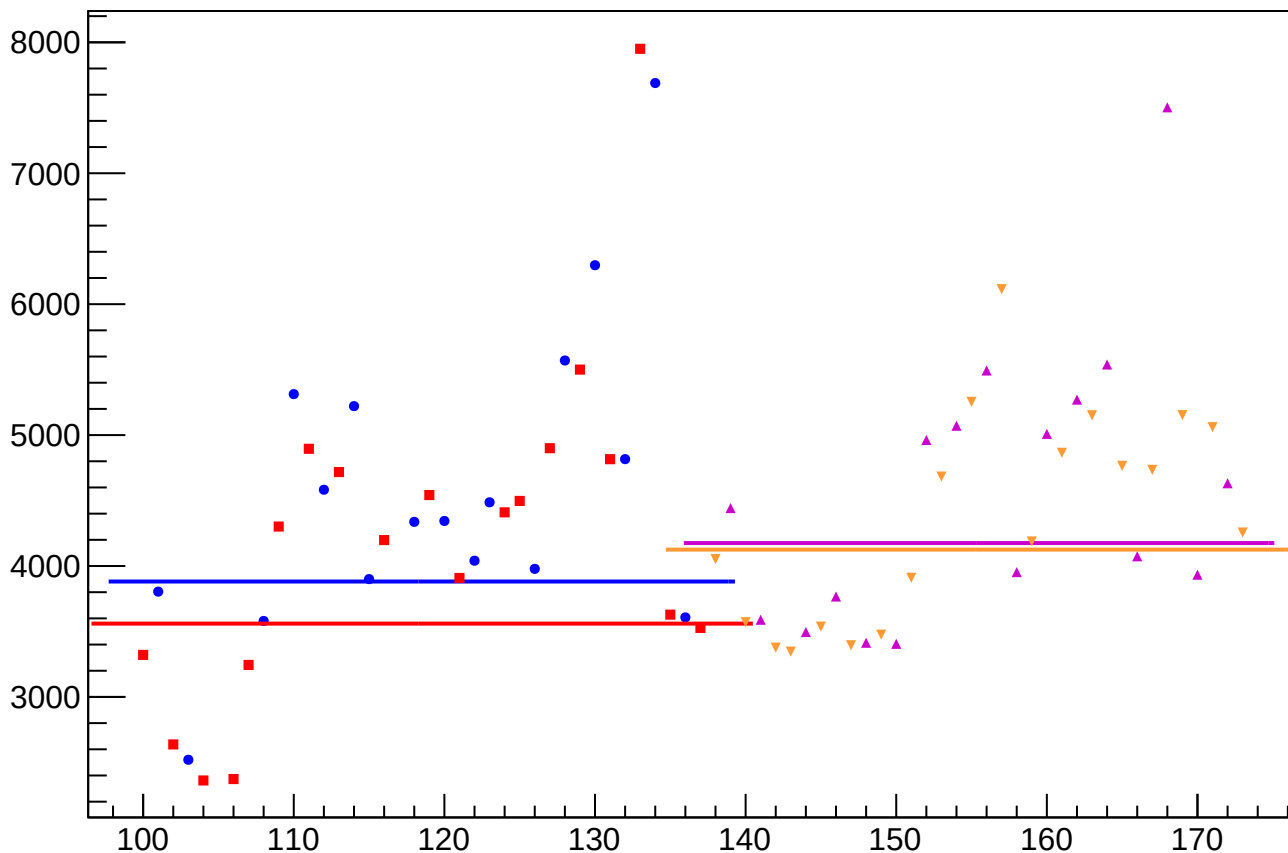
Right: 2010.461+/-1046.568 χ^2/NDF : 30.4/35

In: 254.016+/-936.753 χ^2/NDF : 29.6/33

Out: -145.753+/-876.469 χ^2/NDF : 41.0/37

All: 40.855+/-640.009 χ^2/NDF : 70.6/71

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3881.577+/-1.101 χ^2/NDF : 817466.6/16

Left Out: 4125.289+/-0.790 χ^2/NDF : 842735.1/18

Right Out: 3560.054+/-1.000 χ^2/NDF : 1241523.0/18

Left In: 4175.442+/-0.829 χ^2/NDF : 1017824.1/16

Left: 4149.146+/-0.572 χ^2/NDF : 1862476.8/35

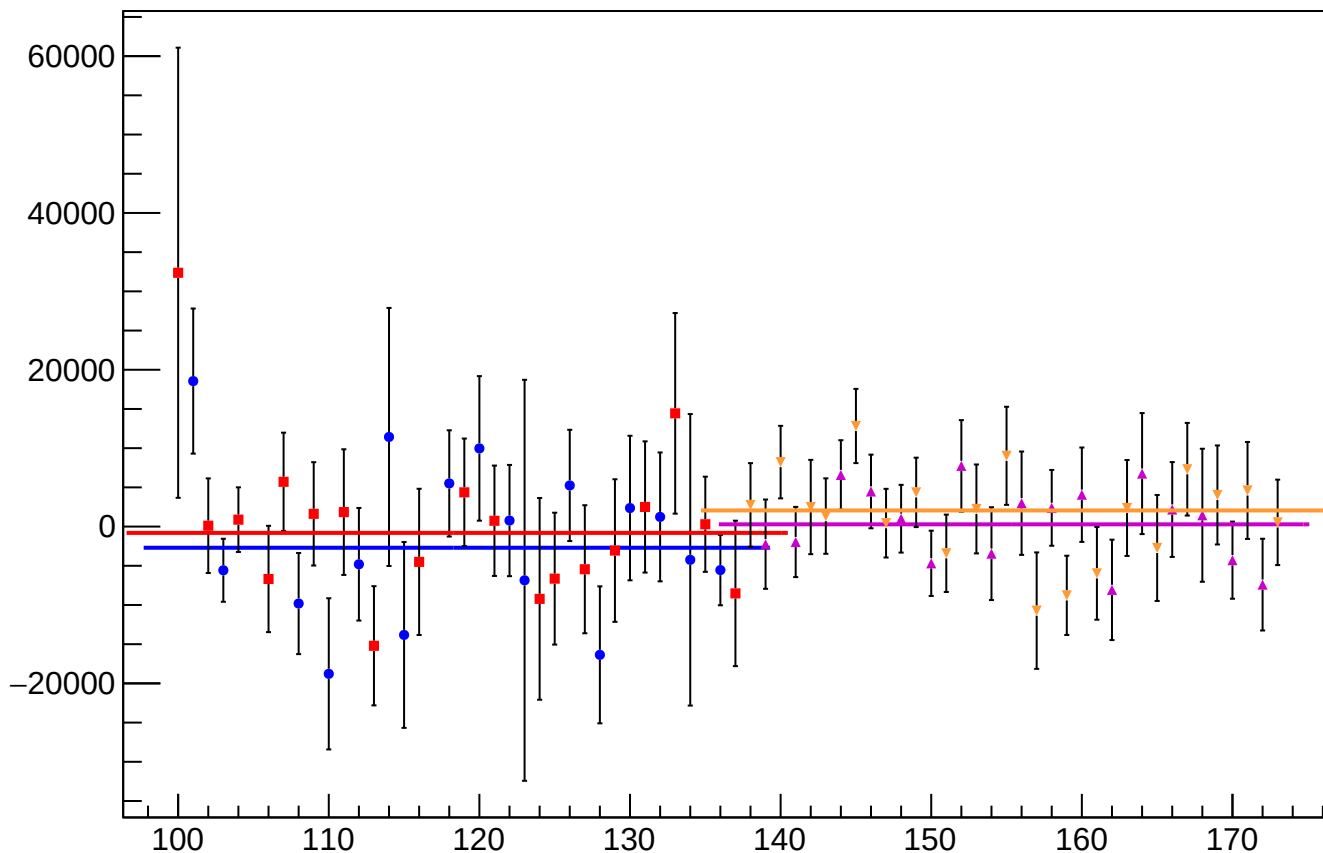
Right: 3705.352+/-0.740 χ^2/NDF : 2105744.2/35

In: 4069.050+/-0.662 χ^2/NDF : 1880750.5/33

Out: 3908.007+/-0.620 χ^2/NDF : 2281093.1/37

All: 3983.180+/-0.453 χ^2/NDF : 4193361.9/71

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2700.702 $\pm$ 1809.055 χ^2 /NDF: 19.8/16

Left Out: 2058.703 $\pm$ 1243.687 χ^2 /NDF: 20.9/18

Right Out: -805.951 $\pm$ 1690.353 χ^2 /NDF: 11.6/18

Left In: 284.338 $\pm$ 1299.032 χ^2 /NDF: 12.6/16

Left: 1210.124 $\pm$ 898.348 χ^2 /NDF: 34.5/35

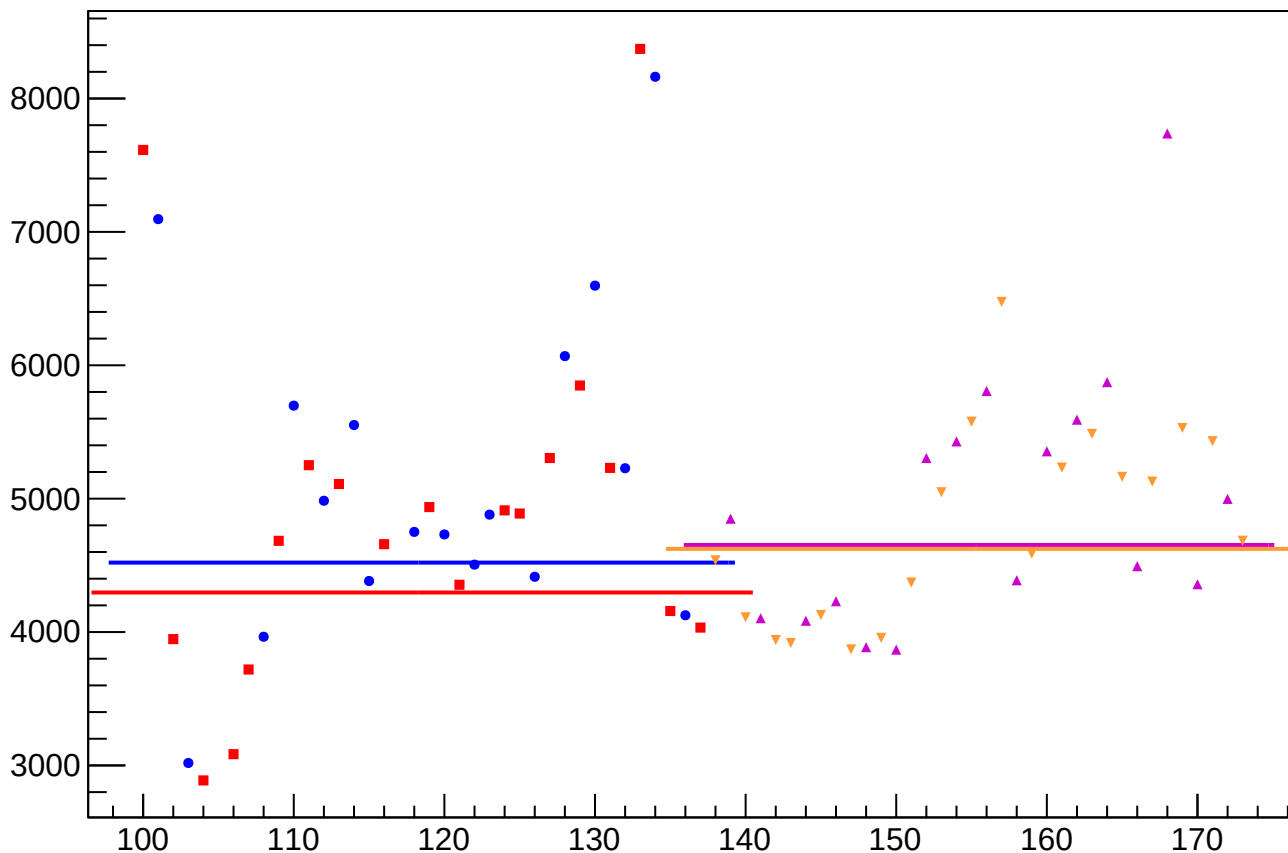
Right: -1689.130 $\pm$ 1235.094 χ^2 /NDF: 31.9/35

In: -731.195 $\pm$ 1055.173 χ^2 /NDF: 34.2/33

Out: 1052.602 $\pm$ 1001.757 χ^2 /NDF: 34.3/37

All: 206.996 $\pm$ 726.499 χ^2 /NDF: 70.0/71

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4520.685 $\pm$ 1.279 χ^2 /NDF: 770887.4/16

Left Out: 4623.728 $\pm$ 0.879 χ^2 /NDF: 571821.4/18

Right Out: 4296.527 $\pm$ 1.189 χ^2 /NDF: 771785.2/18

Left In: 4652.966 $\pm$ 0.919 χ^2 /NDF: 742588.8/16

Left: 4637.711 $\pm$ 0.635 χ^2 /NDF: 1314938.8/35

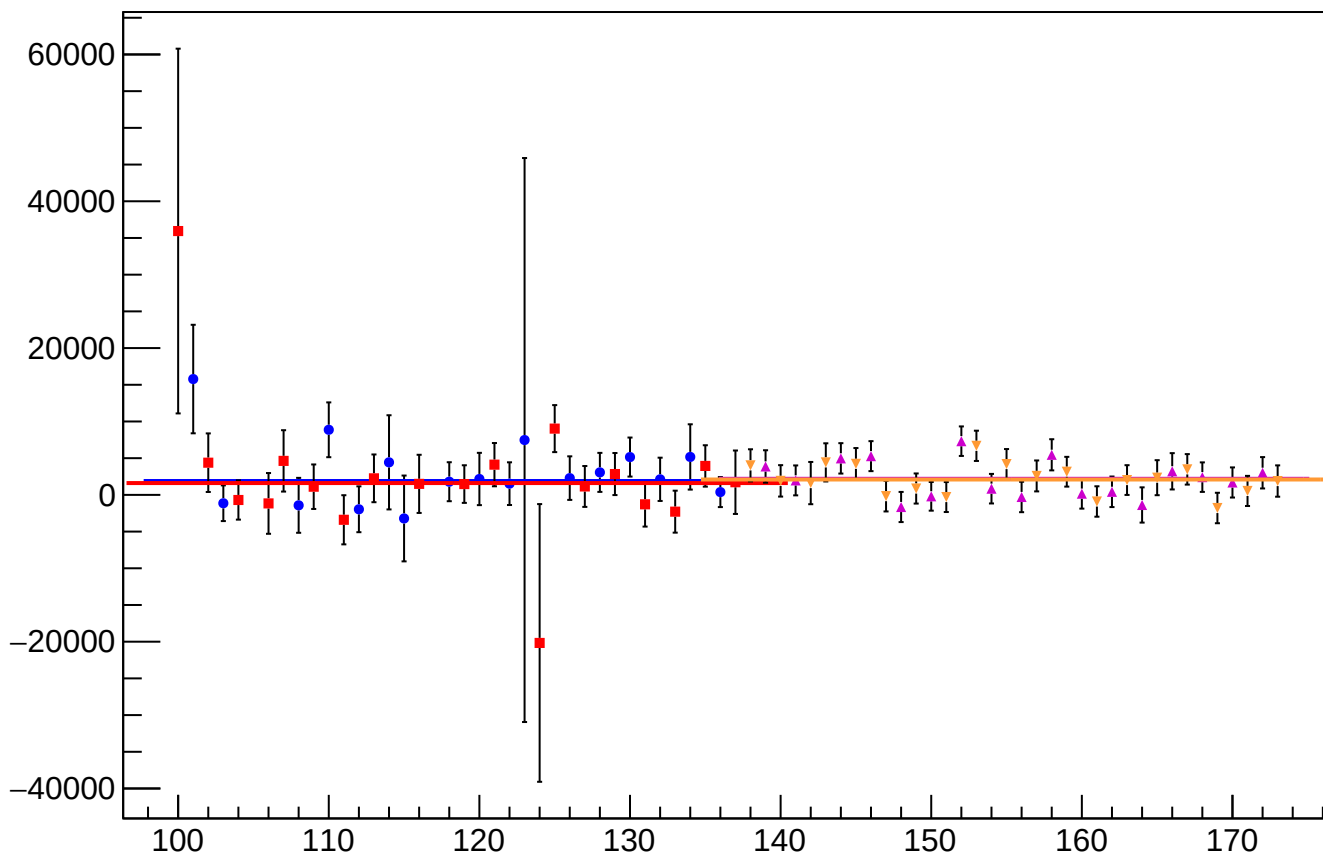
Right: 4400.391 $\pm$ 0.871 χ^2 /NDF: 1559151.4/35

In: 4607.963 $\pm$ 0.746 χ^2 /NDF: 1520531.8/33

Out: 4507.980 $\pm$ 0.707 χ^2 /NDF: 1392577.2/37

All: 4555.279 $\pm$ 0.513 χ^2 /NDF: 2922571.0/71

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1887.915 $\pm$ 783.827 χ^2 /NDF: 14.7/16

Left Out: 2095.183 $\pm$ 491.850 χ^2 /NDF:18.5/18

Right Out: 1610.310 $\pm$ 765.843 χ^2 /NDF: 17.5/18

Left In: 2190.741 $\pm$ 507.696 χ^2 /NDF:24.7/16

Left: 2141.448 $\pm$ 353.260 χ^2 /NDF: 43.2/35

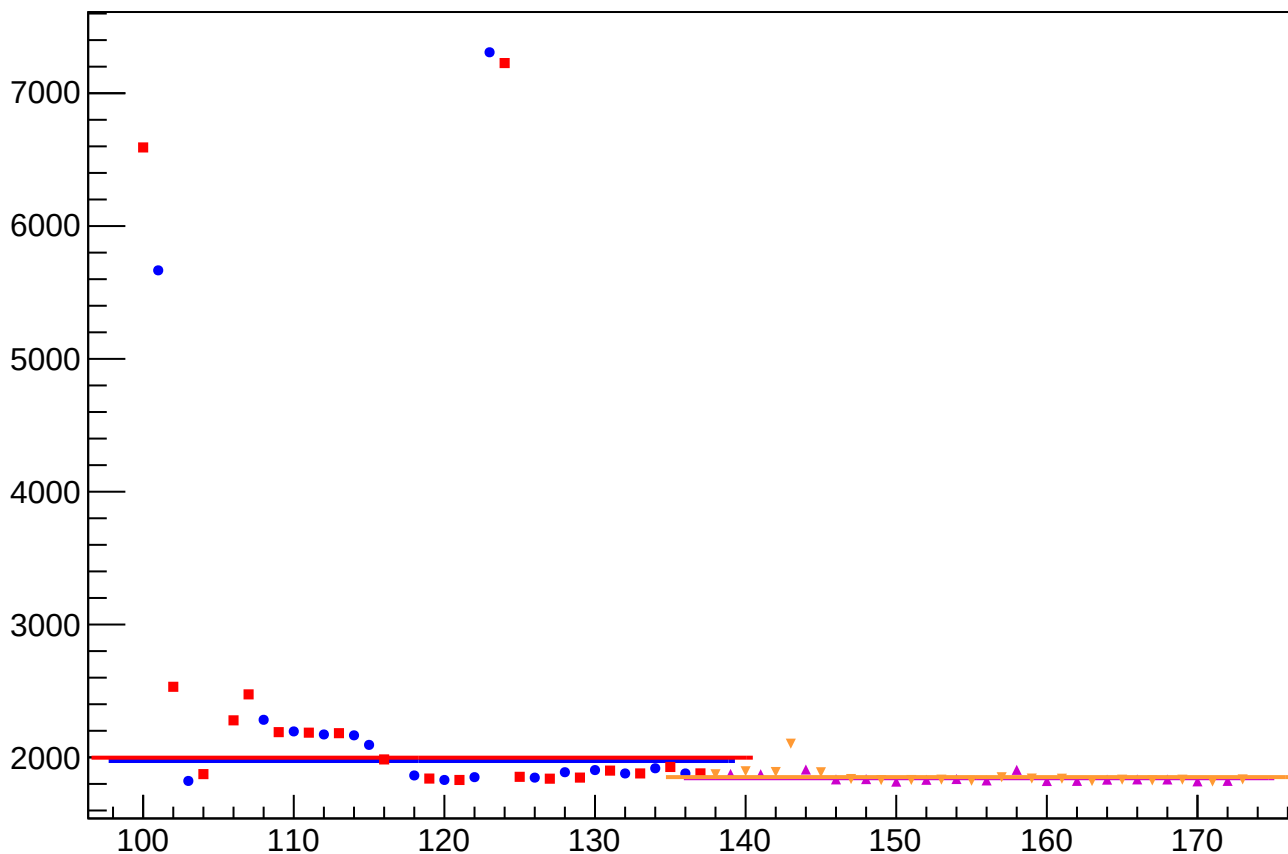
Right: 1745.891 $\pm$ 547.780 χ^2 /NDF: 32.2/35

In: 2101.243 $\pm$ 426.119 χ^2 /NDF:39.5/33

Out: 1953.592 $\pm$ 413.851 χ^2 /NDF:36.2/37

All: 2025.261 $\pm$ 296.879 χ^2 /NDF: 75.8/71

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1972.484+/-0.554 χ^2/NDF : 600869.6/16

Left Out: 1851.325+/-0.348 χ^2/NDF : 23611.6/18

Right Out: 1997.647+/-0.542 χ^2/NDF : 355572.5/18

Left In: 1842.851+/-0.359 χ^2/NDF : 6199.2/16

Left: 1847.222+/-0.250 χ^2/NDF : 30098.3/35

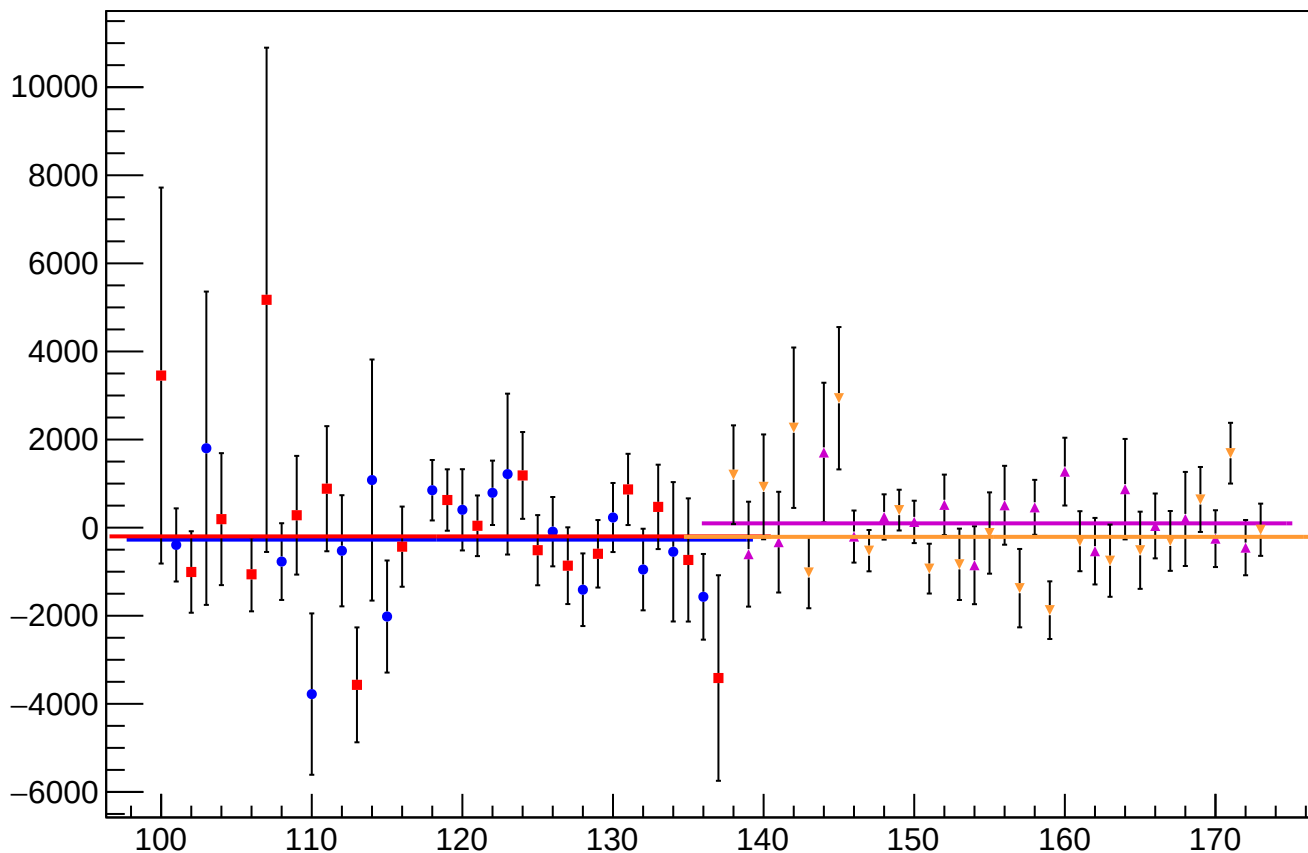
Right: 1985.358+/-0.387 χ^2/NDF : 957496.6/35

In: 1881.163+/-0.301 χ^2/NDF : 645605.6/33

Out: 1894.054+/-0.293 χ^2/NDF : 430872.9/37

All: 1887.797+/-0.210 χ^2/NDF : 1077420.4/71

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -271.773+/-240.214 χ^2/NDF : 17.2/16

Left Out: -209.027+/-166.126 χ^2/NDF :31.3/18

Right Out: -198.424+/-229.035 χ^2/NDF : 19.7/18

Left In: 97.454+/-176.977 χ^2/NDF :8.5/16

Left: -65.469+/-121.123 χ^2/NDF : 41.4/35

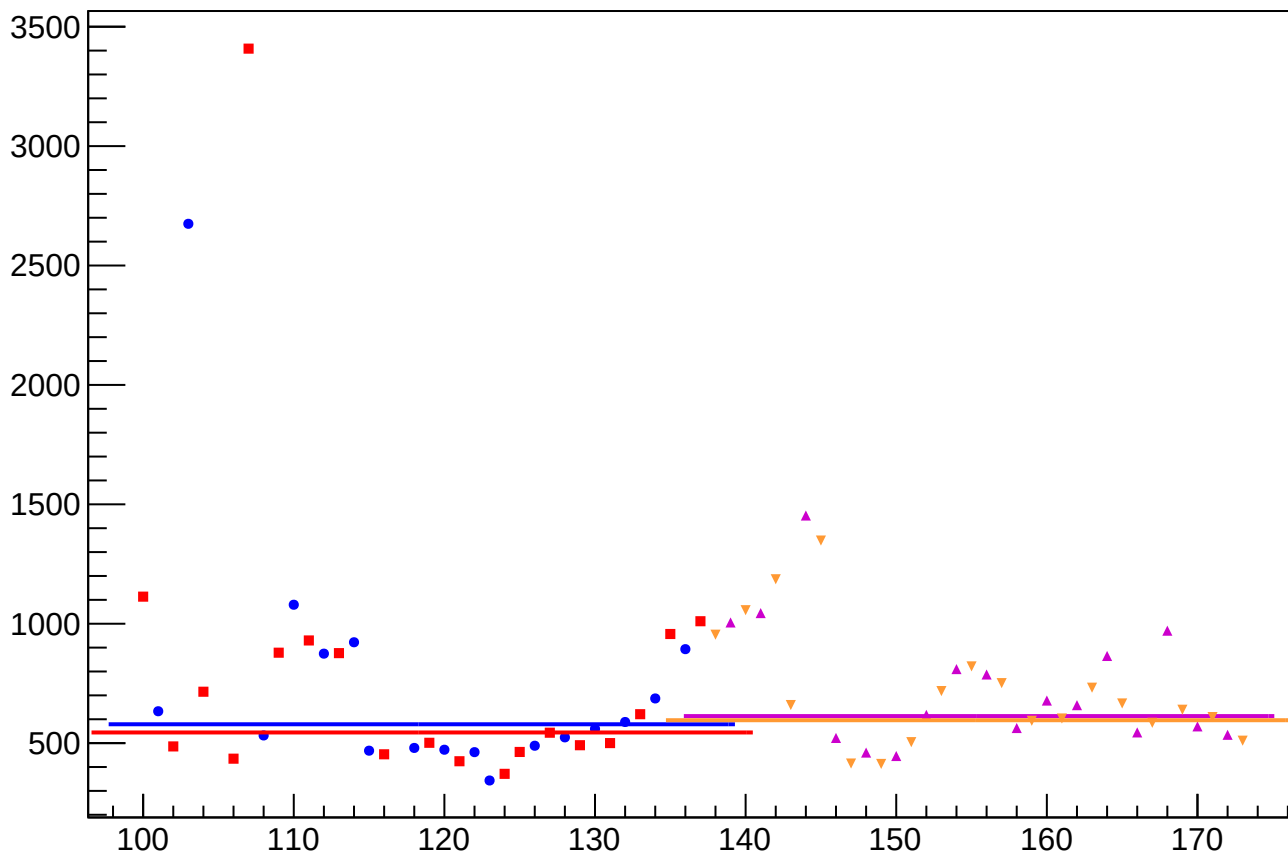
Right: -233.352+/-165.764 χ^2/NDF : 37.0/35

In: -32.449+/-142.483 χ^2/NDF :27.3/33

Out: -205.372+/-134.476 χ^2/NDF :51.0/37

All: -123.905+/-97.797 χ^2/NDF : 79.1/71

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 579.010 $\pm$ 0.170 χ^2 /NDF: 1422148.6/16

Left Out: 595.938 $\pm$ 0.117 χ^2 /NDF:2168257.8/18

Right Out: 544.674 $\pm$ 0.162 χ^2 /NDF: 1457799.9/18

Left In: 613.235 $\pm$ 0.125 χ^2 /NDF:2118506.4/16

Left: 604.040 $\pm$ 0.086 χ^2 /NDF: 4296919.5/35

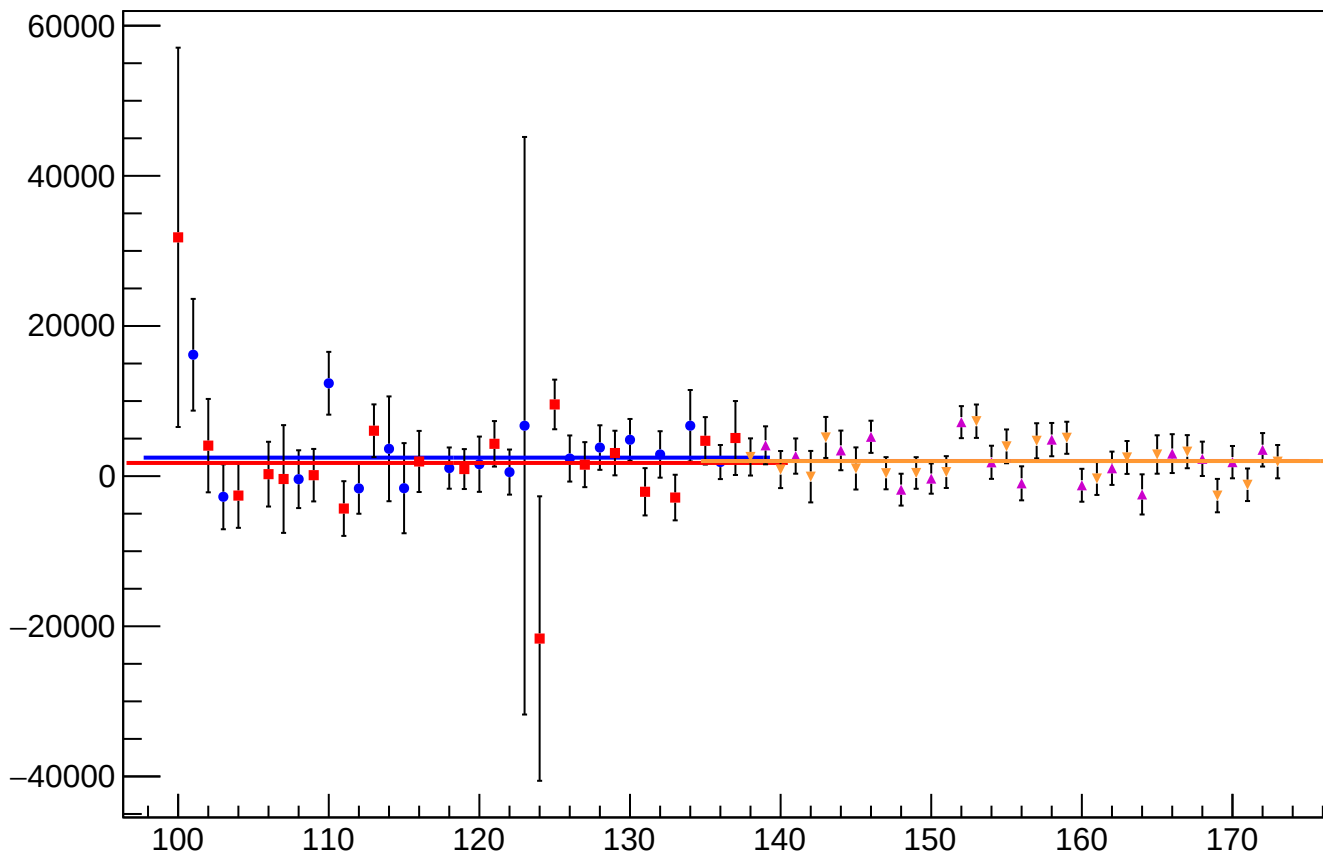
Right: 561.024 $\pm$ 0.117 χ^2 /NDF: 2901353.8/35

In: 601.194 $\pm$ 0.101 χ^2 /NDF:3566969.4/33

Out: 578.265 $\pm$ 0.095 χ^2 /NDF:3691713.8/37

All: 589.067 $\pm$ 0.069 χ^2 /NDF: 7286073.9/71

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2464.076 $\pm$ 863.197 χ^2/NDF : 15.5/16

Left Out: 2010.187 $\pm$ 531.972 χ^2/NDF : 21.6/18

Right Out: 1756.788 $\pm$ 853.292 χ^2/NDF : 20.5/18

Left In: 2018.058 $\pm$ 550.535 χ^2/NDF : 22.9/16

Left: 2013.987 $\pm$ 382.555 χ^2/NDF : 44.5/35

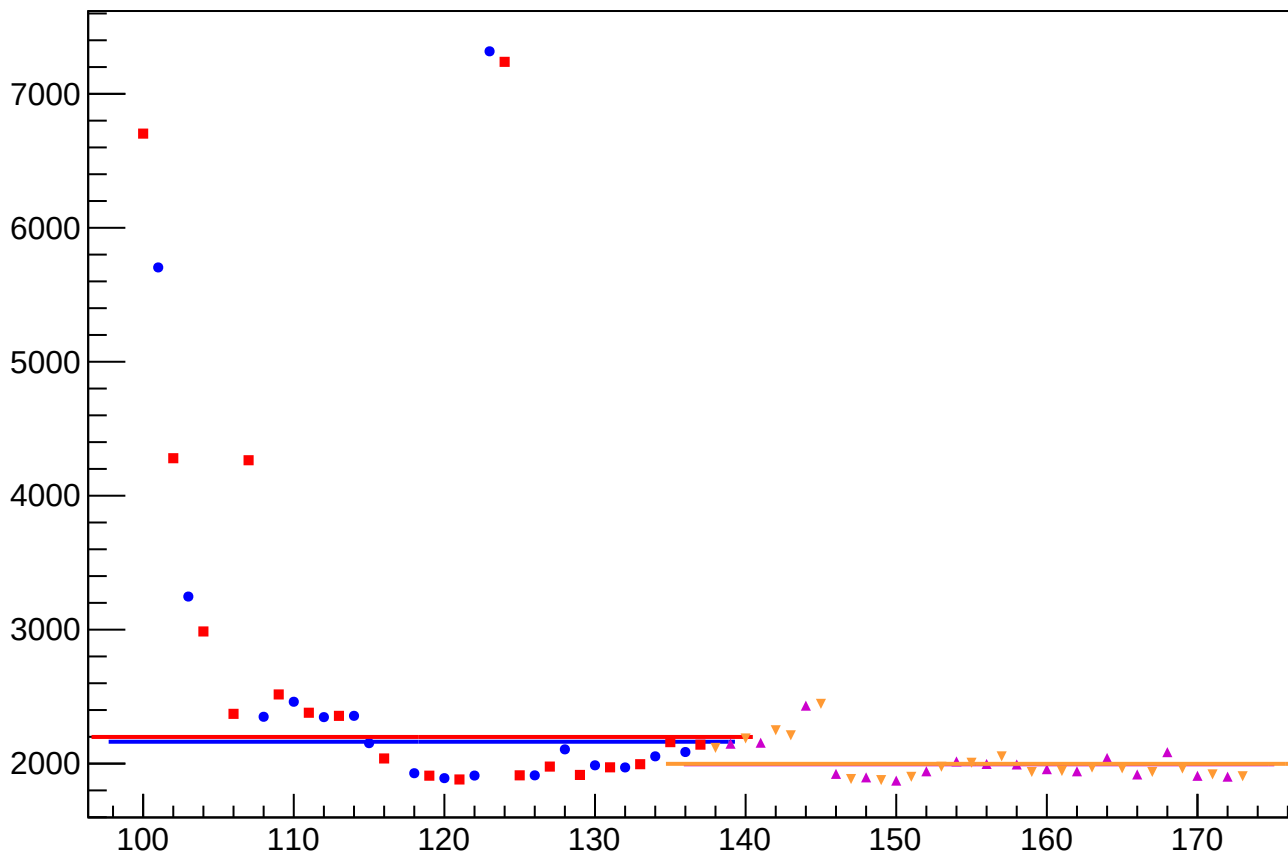
Right: 2106.351 $\pm$ 606.840 χ^2/NDF : 36.4/35

In: 2147.025 $\pm$ 464.166 χ^2/NDF : 38.6/33

Out: 1939.264 $\pm$ 451.429 χ^2/NDF : 42.1/37

All: 2040.255 $\pm$ 323.618 χ^2/NDF : 80.9/71

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2163.303+/-0.610 χ^2/NDF : 709584.4/16

Left Out: 1998.318+/-0.376 χ^2/NDF :119634.5/18

Right Out: 2199.003+/-0.603 χ^2/NDF : 803297.2/18

Left In: 1994.732+/-0.389 χ^2/NDF :100728.1/16

Left: 1996.587+/-0.271 χ^2/NDF : 220406.5/35

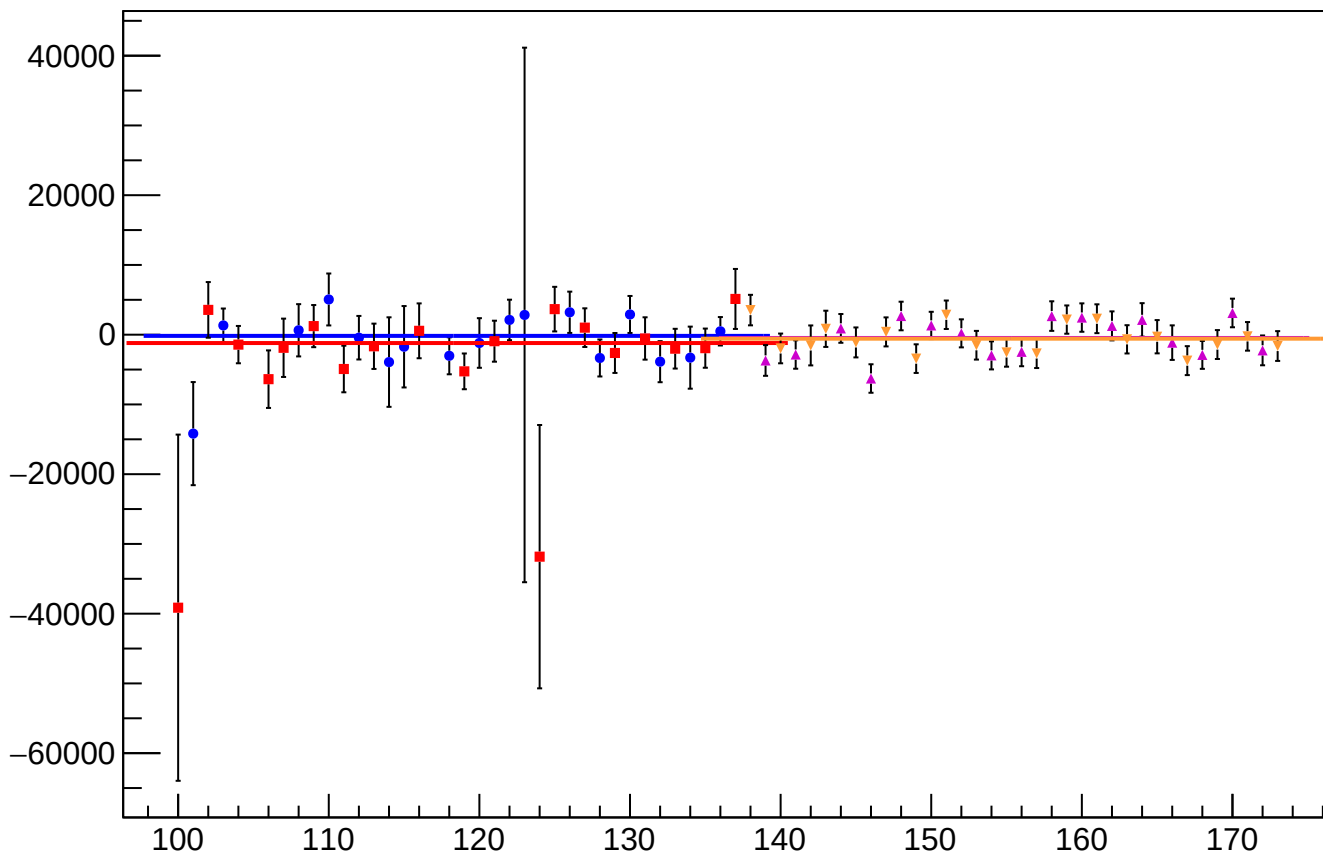
Right: 2181.359+/-0.429 χ^2/NDF : 1514611.9/35

In: 2043.475+/-0.328 χ^2/NDF :864531.3/33

Out: 2054.487+/-0.319 χ^2/NDF :1002596.5/37

All: 2049.134+/-0.229 χ^2/NDF : 1867706.4/71

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -170.351+/-782.384 χ^2/NDF : 14.5/16

Left Out: -572.161+/-491.002 χ^2/NDF : 18.1/18

Right Out: -1197.543+/-764.254 χ^2/NDF : 18.2/18

Left In: -470.957+/-507.062 χ^2/NDF : 29.2/16

Left: -523.187+/-352.732 χ^2/NDF : 47.3/35

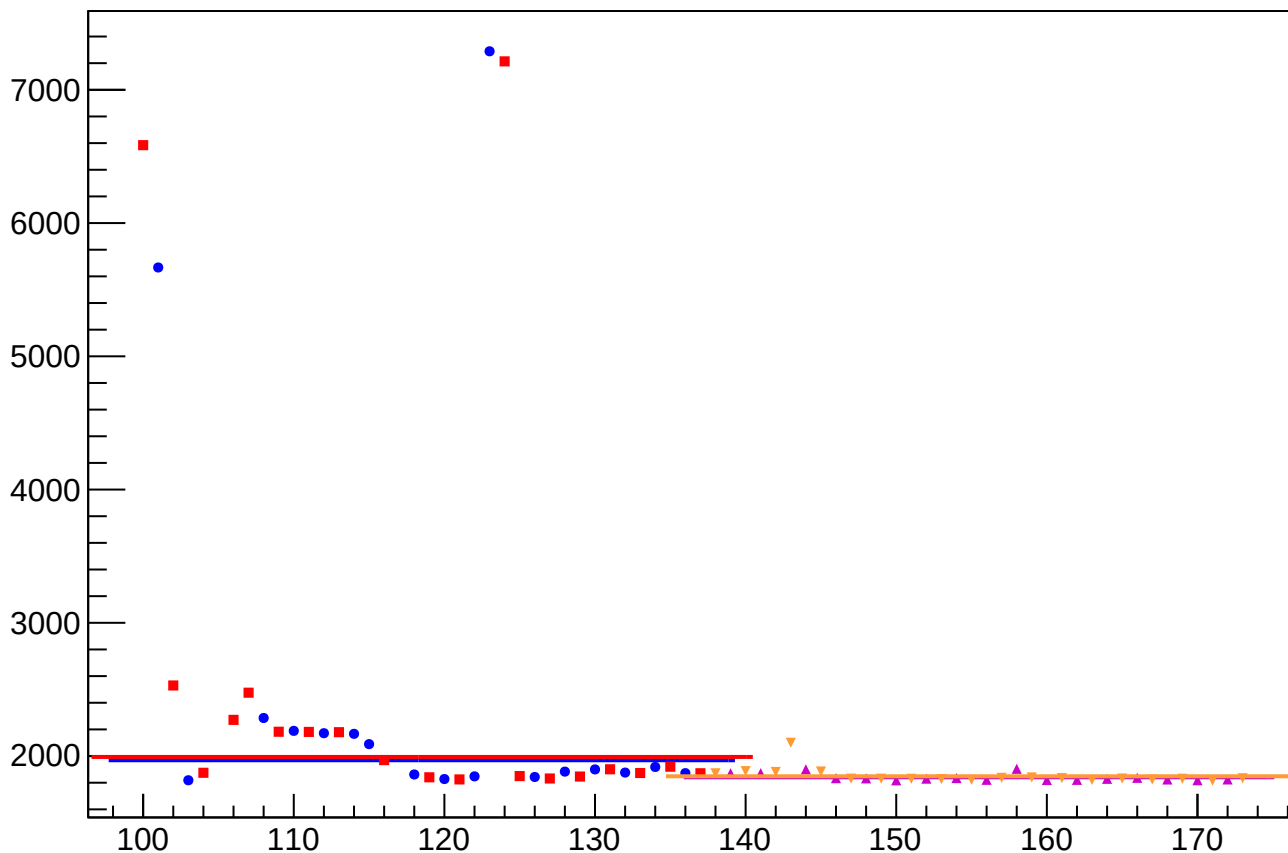
Right: -695.987+/-546.706 χ^2/NDF : 33.6/35

In: -382.041+/-425.512 χ^2/NDF : 43.9/33

Out: -754.874+/-413.095 χ^2/NDF : 36.7/37

All: -573.977+/-296.395 χ^2/NDF : 81.0/71

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1968.632 $\pm$ 0.553 χ^2 /NDF: 602972.8/16

Left Out: 1848.171 $\pm$ 0.347 χ^2 /NDF: 23150.1/18

Right Out: 1993.422 $\pm$ 0.540 χ^2 /NDF: 356172.4/18

Left In: 1840.561 $\pm$ 0.359 χ^2 /NDF: 5799.6/16

Left: 1844.489 $\pm$ 0.249 χ^2 /NDF: 29182.2/35

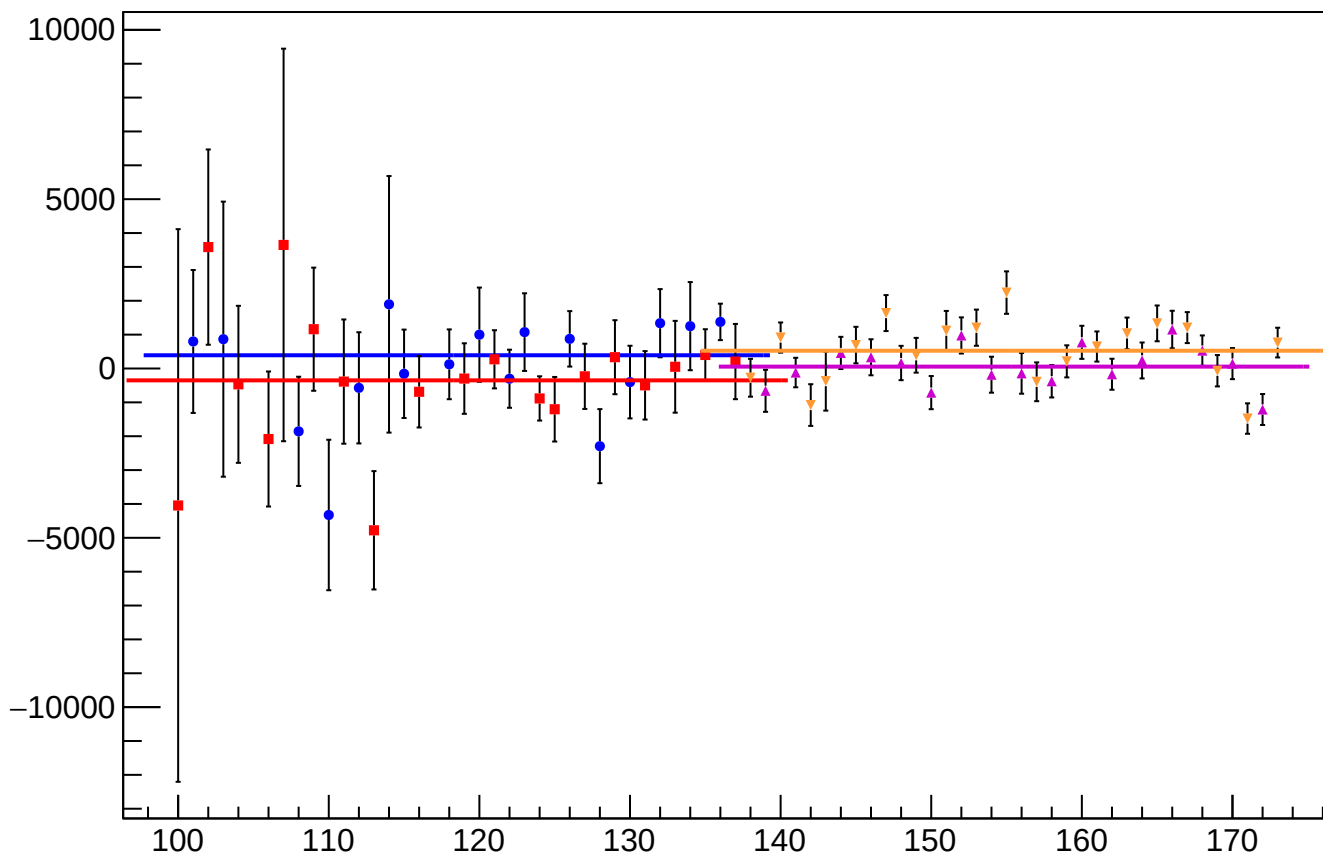
Right: 1981.318 $\pm$ 0.387 χ^2 /NDF: 960172.6/35

In: 1878.444 $\pm$ 0.301 χ^2 /NDF: 646511.7/33

Out: 1890.608 $\pm$ 0.292 χ^2 /NDF: 430458.0/37

All: 1884.706 $\pm$ 0.210 χ^2 /NDF: 1077811.2/71

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 390.923 $\pm$ 270.128 χ^2/NDF : 20.0/16

Left Out: 524.652 $\pm$ 117.626 χ^2/NDF :56.0/18

Right Out: -350.642 $\pm$ 266.097 χ^2/NDF : 14.2/18

Left In: 55.527 $\pm$ 120.942 χ^2/NDF :24.3/16

Left: 296.608 $\pm$ 84.322 χ^2/NDF : 88.1/35

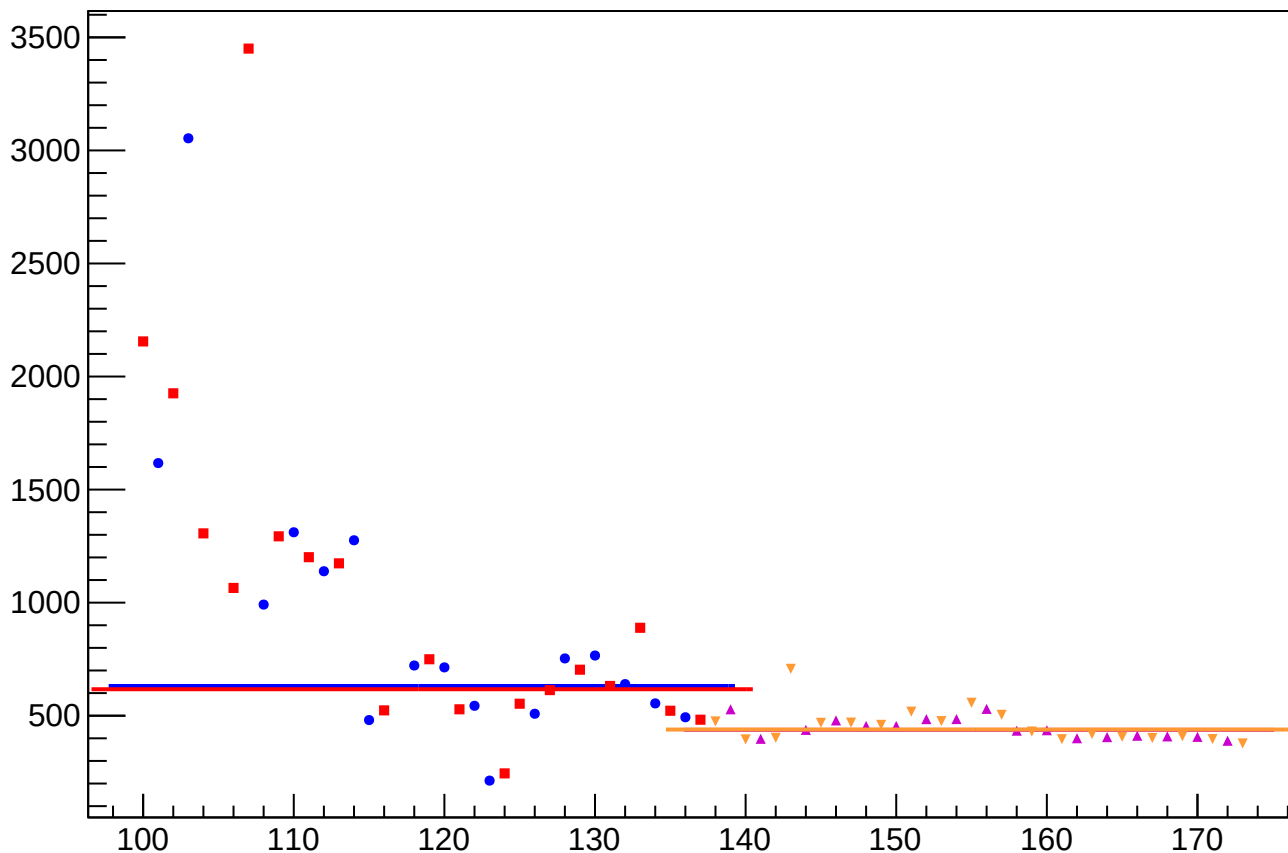
Right: 14.566 $\pm$ 189.568 χ^2/NDF : 38.1/35

In: 111.532 $\pm$ 110.384 χ^2/NDF :45.7/33

Out: 381.575 $\pm$ 107.584 χ^2/NDF :79.3/37

All: 250.021 $\pm$ 77.044 χ^2/NDF : 128.0/71

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 631.430 $\pm$ 0.191 χ^2 /NDF: 2260692.7/16

Left Out: 438.769 $\pm$ 0.083 χ^2 /NDF: 492957.6/18

Right Out: 617.035 $\pm$ 0.188 χ^2 /NDF: 2802149.9/18

Left In: 437.254 $\pm$ 0.086 χ^2 /NDF: 220514.6/16

Left: 438.033 $\pm$ 0.060 χ^2 /NDF: 713633.4/35

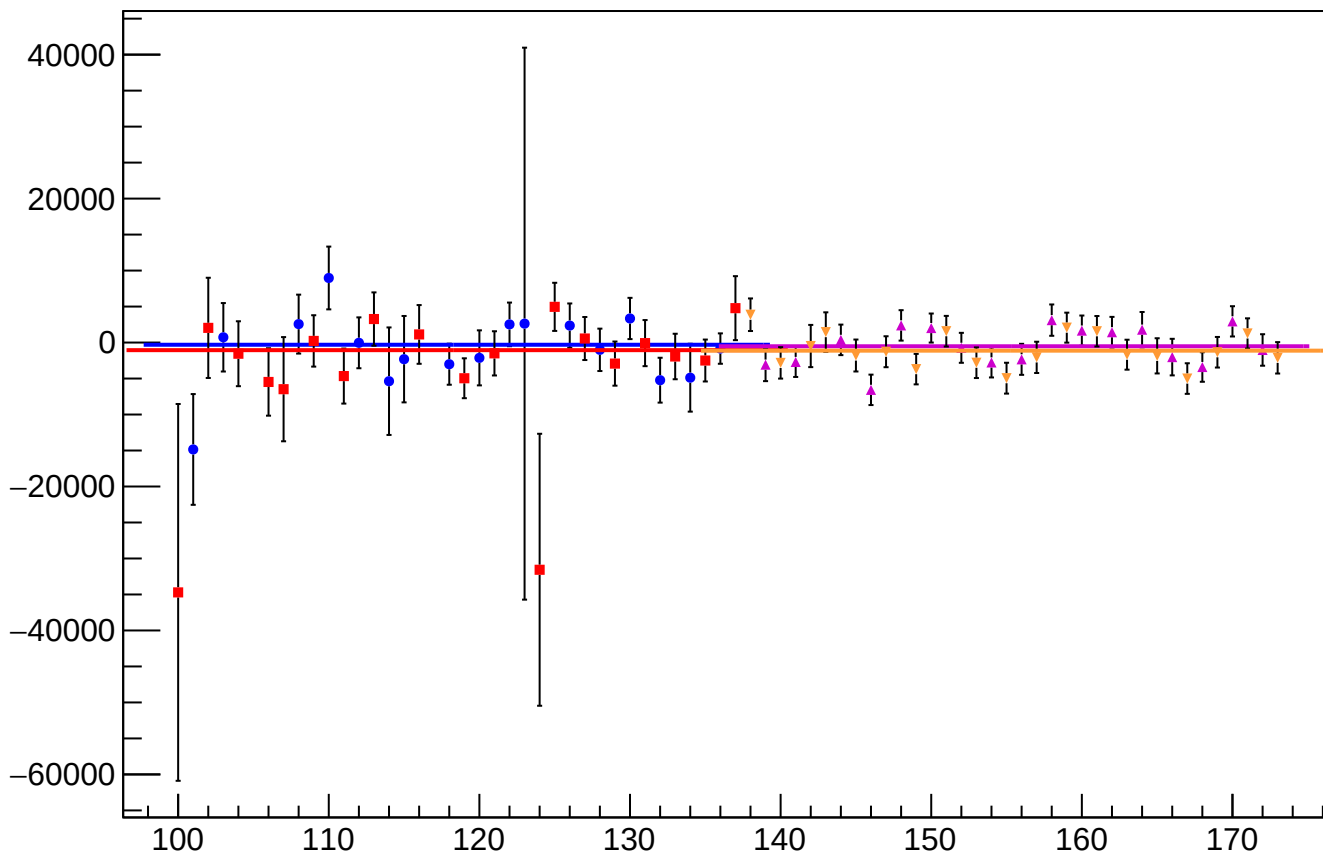
Right: 624.124 $\pm$ 0.134 χ^2 /NDF: 5065724.7/35

In: 469.678 $\pm$ 0.078 χ^2 /NDF: 3342067.2/33

Out: 467.909 $\pm$ 0.076 χ^2 /NDF: 4045995.1/37

All: 468.771 $\pm$ 0.054 χ^2 /NDF: 7388325.8/71

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -305.713 ± 871.922 $\chi^2/\text{NDF}: 17.2/16$

Left Out: -1125.832 ± 506.403 $\chi^2/\text{NDF}: 22.5/18$

Right Out: -1056.856 ± 867.445 $\chi^2/\text{NDF}: 16.6/18$

Left In: -516.086 ± 522.265 $\chi^2/\text{NDF}: 26.7/16$

Left: -830.359 ± 363.559 $\chi^2/\text{NDF}: 50.0/35$

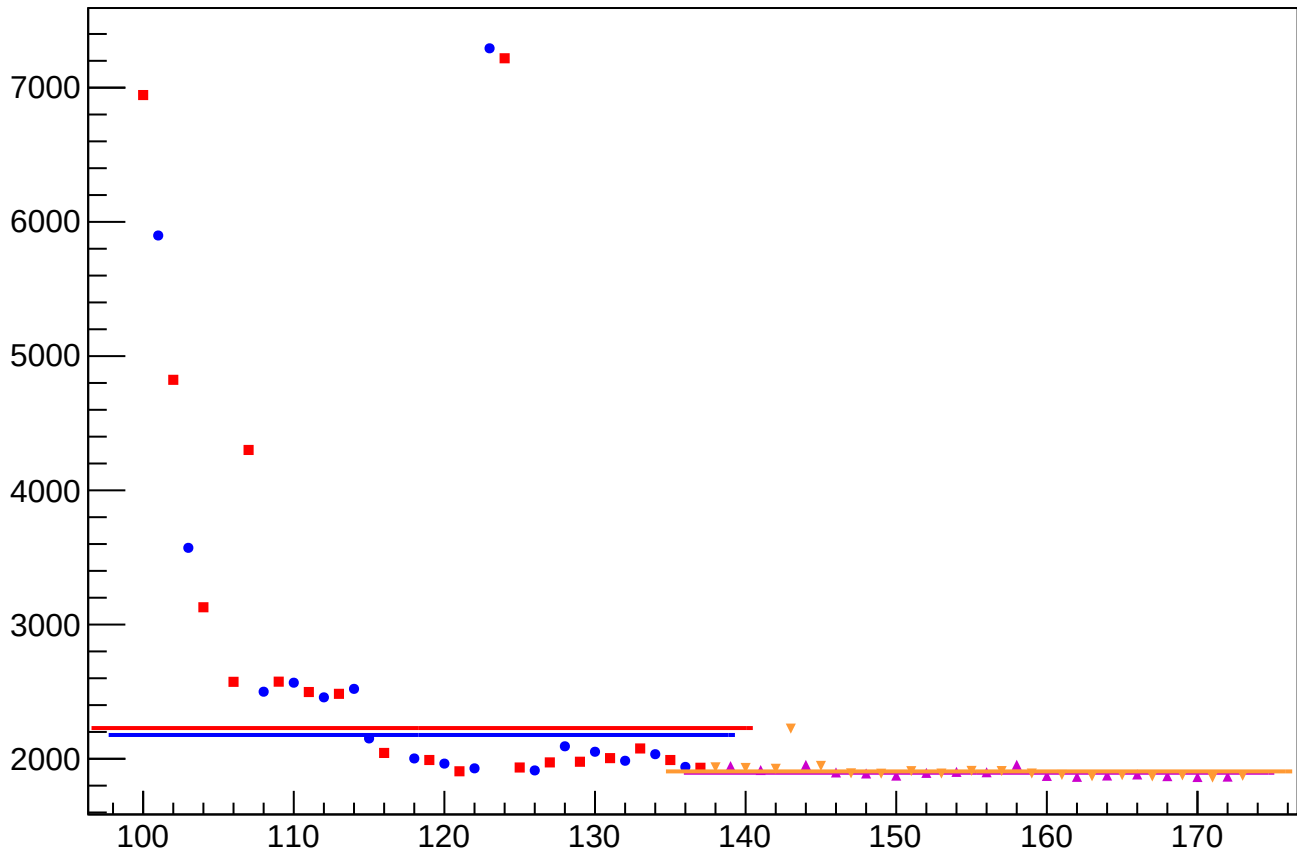
Right: -683.218 ± 614.953 $\chi^2/\text{NDF}: 34.2/35$

In: -460.538 ± 448.040 $\chi^2/\text{NDF}: 43.9/33$

Out: -1108.300 ± 437.334 $\chi^2/\text{NDF}: 39.2/37$

All: -792.251 ± 312.958 $\chi^2/\text{NDF}: 84.2/71$

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2177.446 $\pm$ 0.617 χ^2 /NDF: 802836.7/16

Left Out: 1906.037 $\pm$ 0.358 χ^2 /NDF:32372.6/18

Right Out: 2229.014 $\pm$ 0.613 χ^2 /NDF: 895809.1/18

Left In: 1895.894 $\pm$ 0.369 χ^2 /NDF:6342.1/16

Left: 1901.122 $\pm$ 0.257 χ^2 /NDF: 39103.6/35

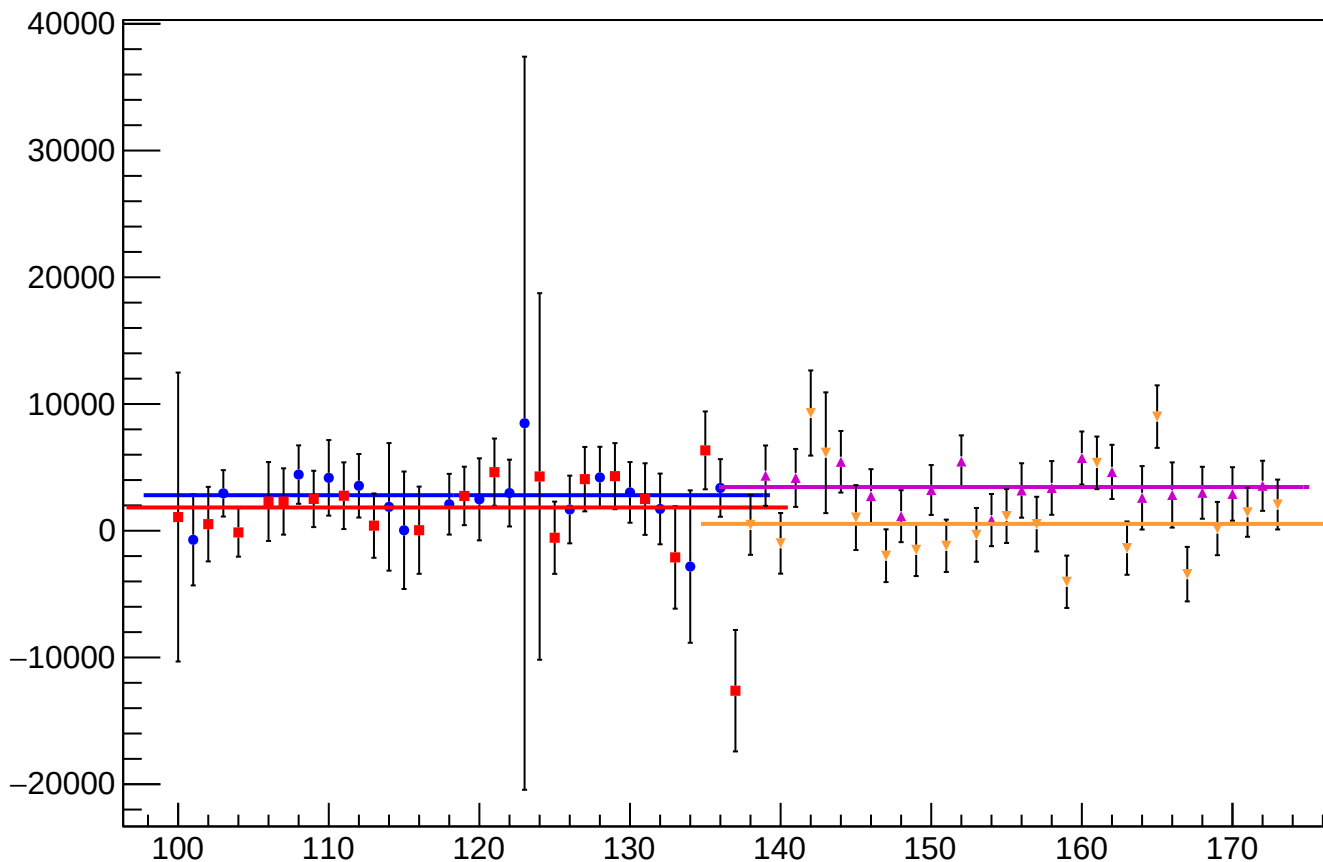
Right: 2203.363 $\pm$ 0.435 χ^2 /NDF: 1702161.6/35

In: 1970.236 $\pm$ 0.317 χ^2 /NDF:962656.5/33

Out: 1988.132 $\pm$ 0.309 χ^2 /NDF:1134968.8/37

All: 1979.400 $\pm$ 0.221 χ^2 /NDF: 2099259.2/71

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2803.917 ± 678.548 χ^2/NDF : 3.9/16

Left Out: 541.444 ± 511.593 χ^2/NDF : 39.1/18

Right Out: 1837.168 ± 655.307 χ^2/NDF : 18.0/18

Left In: 3449.114 ± 523.948 χ^2/NDF : 6.7/16

Left: 1960.590 ± 366.041 χ^2/NDF : 61.6/35

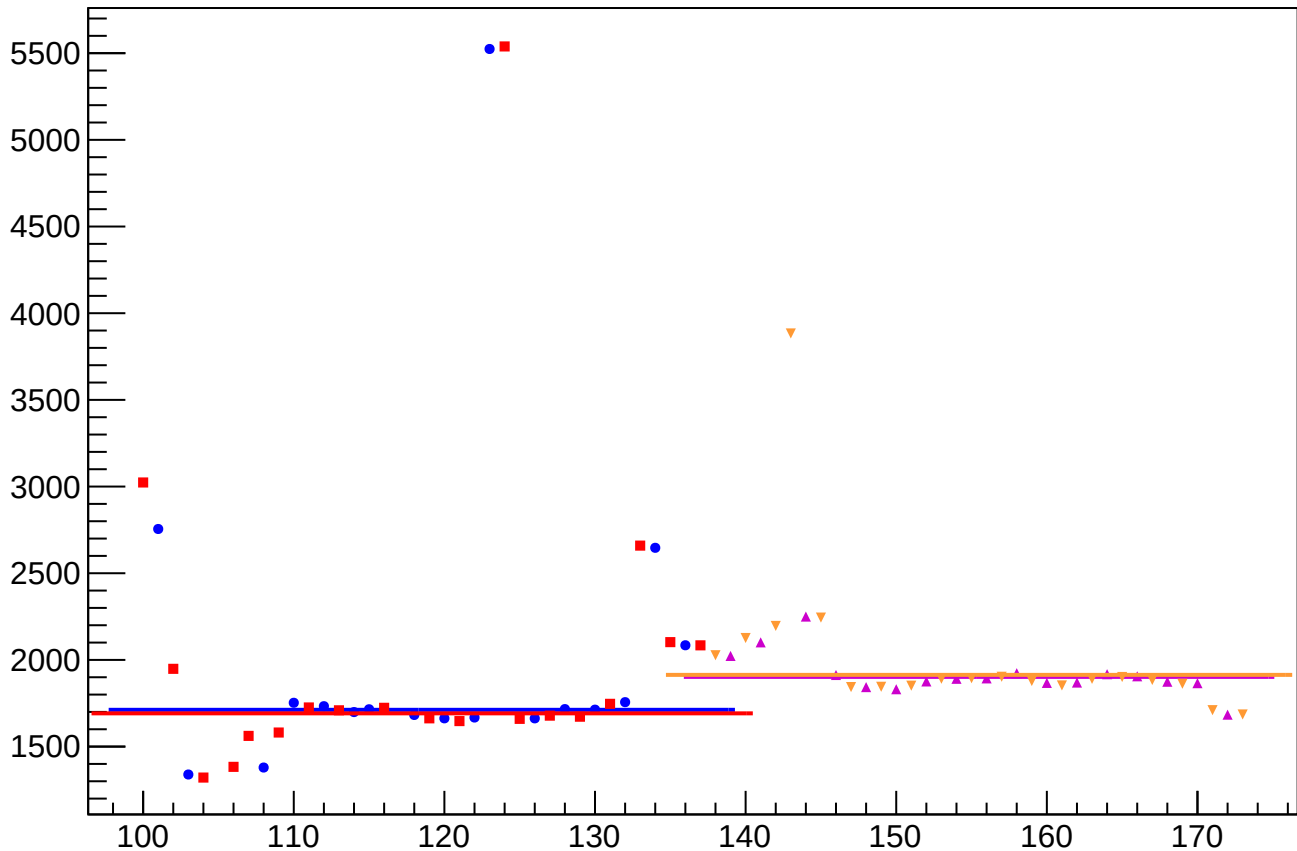
Right: 2303.702 ± 471.374 χ^2/NDF : 23.0/35

In: 3208.117 ± 414.706 χ^2/NDF : 11.2/33

Out: 1032.110 ± 403.257 χ^2/NDF : 59.6/37

All: 2089.660 ± 289.109 χ^2/NDF : 84.9/71

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 1913.699+/-0.362 χ^2/NDF : 469518.0/18

Right Out: 1691.747+/-0.463 χ^2/NDF : 454922.1/18

Left In: 1902.081+/-0.370 χ^2/NDF : 92693.2/16

Left: 1908.029+/-0.259 χ^2/NDF : 562714.7/35

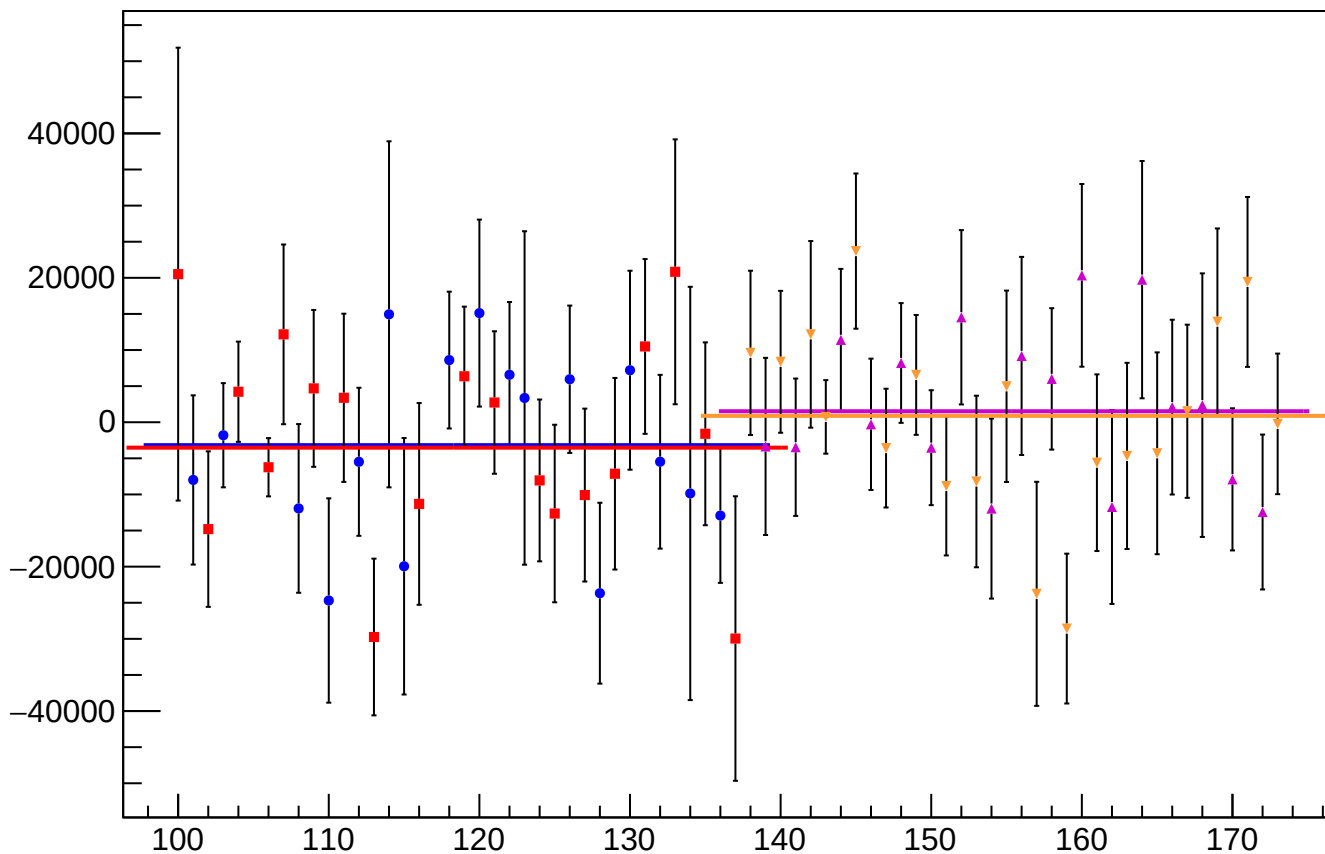
Right: 1701.595+/-0.333 χ^2/NDF : 888336.5/35

In: 1831.138+/-0.293 χ^2/NDF : 623334.0/33

Out: 1829.649+/-0.285 χ^2/NDF : 1066994.5/37

All: 1830.373+/-0.204 χ^2/NDF : 1690341.7/71

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245 ± 2851.982 $\chi^2/\text{NDF}: 14.4/16$

Left Out: 884.682 ± 2317.544 $\chi^2/\text{NDF}: 23.6/18$

Right Out: -3520.105 ± 2266.532 $\chi^2/\text{NDF}: 19.5/18$

Left In: 1521.007 ± 2636.606 $\chi^2/\text{NDF}: 12.4/16$

Left: 1162.033 ± 1740.685 $\chi^2/\text{NDF}: 36.1/35$

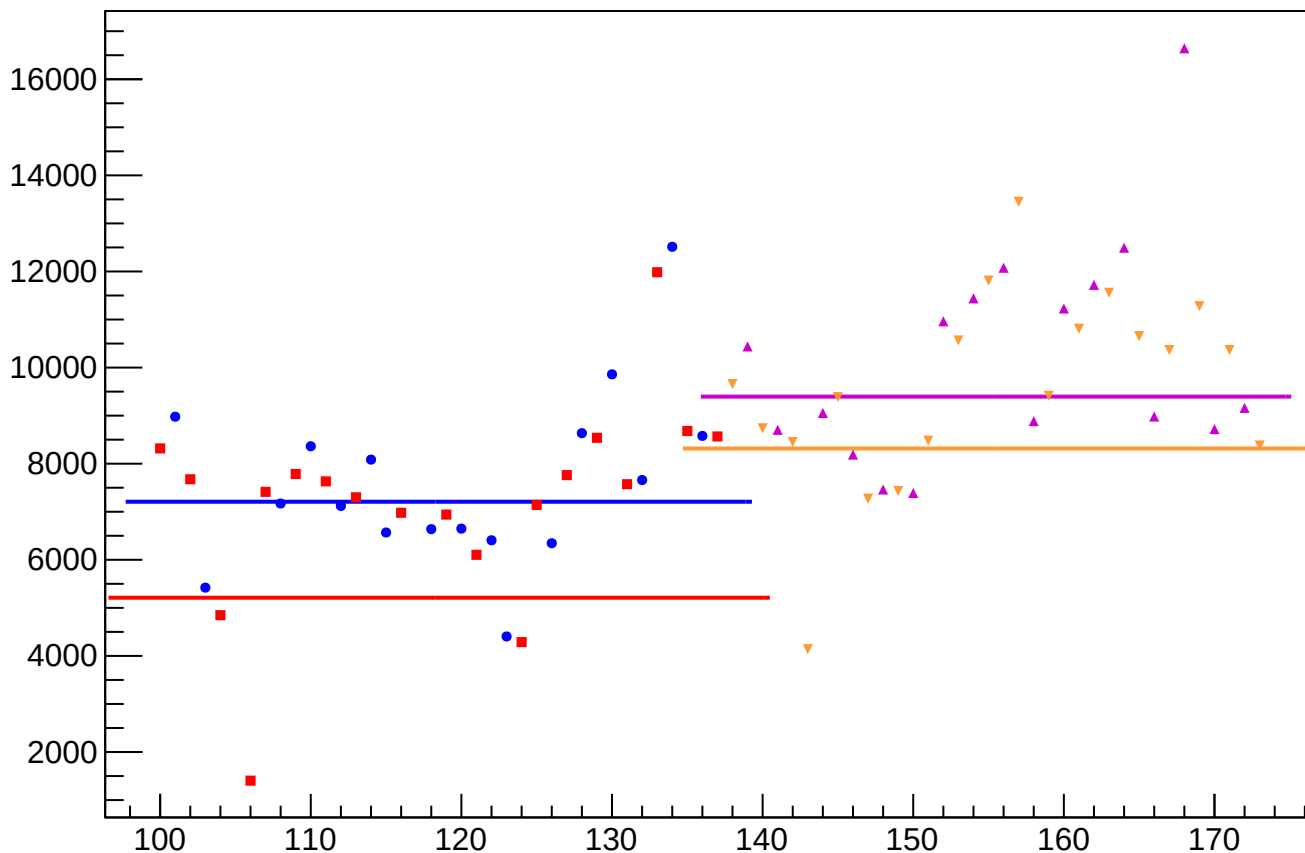
Right: -3385.836 ± 1774.424 $\chi^2/\text{NDF}: 33.9/35$

In: -642.196 ± 1936.031 $\chi^2/\text{NDF}: 28.3/33$

Out: -1366.723 ± 1620.415 $\chi^2/\text{NDF}: 45.0/37$

All: -1068.255 ± 1242.607 $\chi^2/\text{NDF}: 73.3/71$

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.567 $\pm$ 2.017 χ^2 /NDF: 469302.0/16

Left Out: 8316.671 $\pm$ 1.639 χ^2 /NDF: 2394218.7/18

Right Out: 5211.187 $\pm$ 1.603 χ^2 /NDF: 3196870.2/18

Left In: 9395.995 $\pm$ 1.864 χ^2 /NDF: 968973.7/16

Left: 8787.109 $\pm$ 1.231 χ^2 /NDF: 3552264.6/35

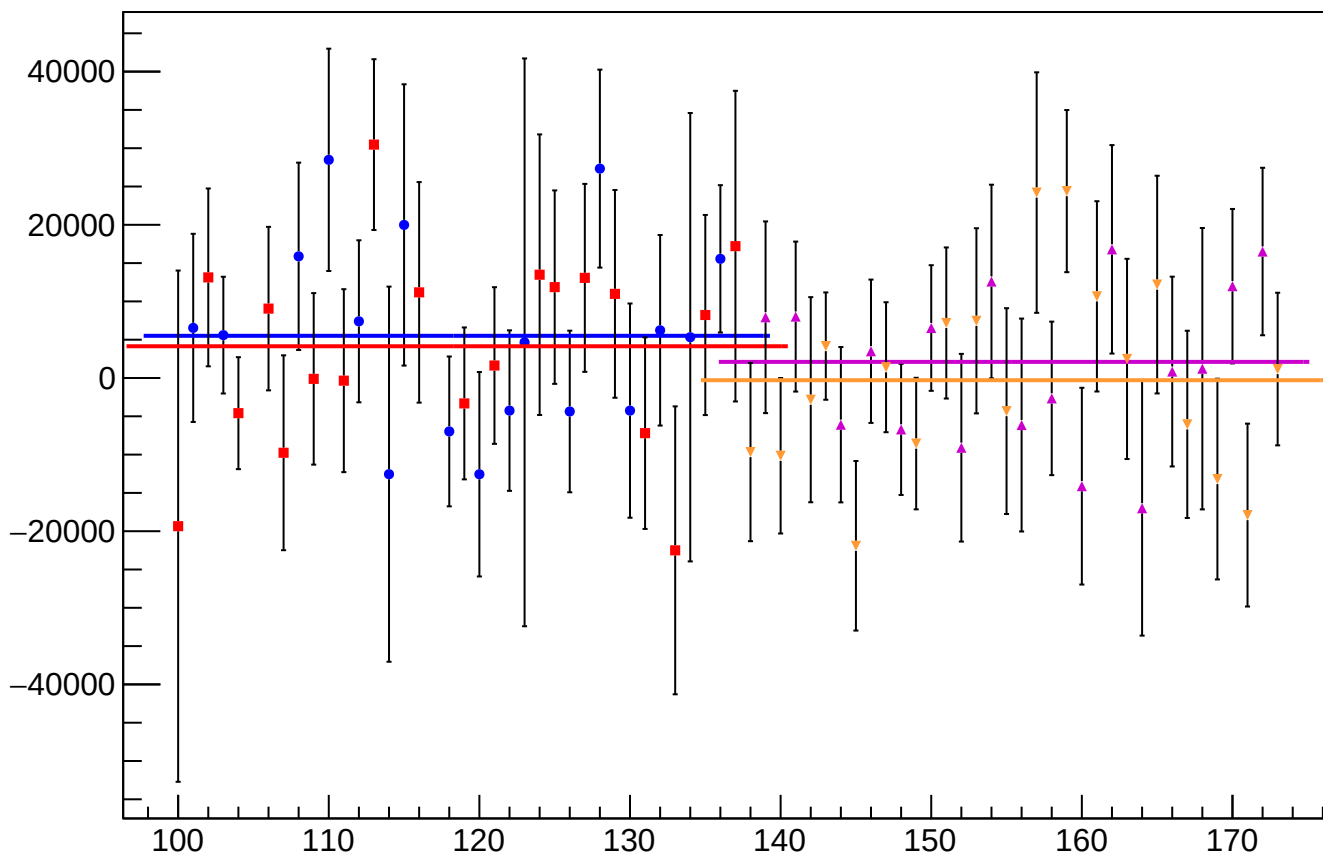
Right: 5984.369 $\pm$ 1.255 χ^2 /NDF: 4267414.1/35

In: 8387.985 $\pm$ 1.369 χ^2 /NDF: 2072639.0/33

Out: 6729.375 $\pm$ 1.146 χ^2 /NDF: 7426618.2/37

All: 7412.637 $\pm$ 0.879 χ^2 /NDF: 10362453.6/71

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5509.395+/-2971.033 χ^2/NDF : 14.1/16

Left Out: -287.238+/-2490.499 χ^2/NDF :20.8/18

Right Out: 4146.067+/-2790.212 χ^2/NDF : 15.4/18

Left In: 2105.954+/-2698.559 χ^2/NDF :11.5/16

Left: 813.555+/-1830.189 χ^2/NDF : 32.7/35

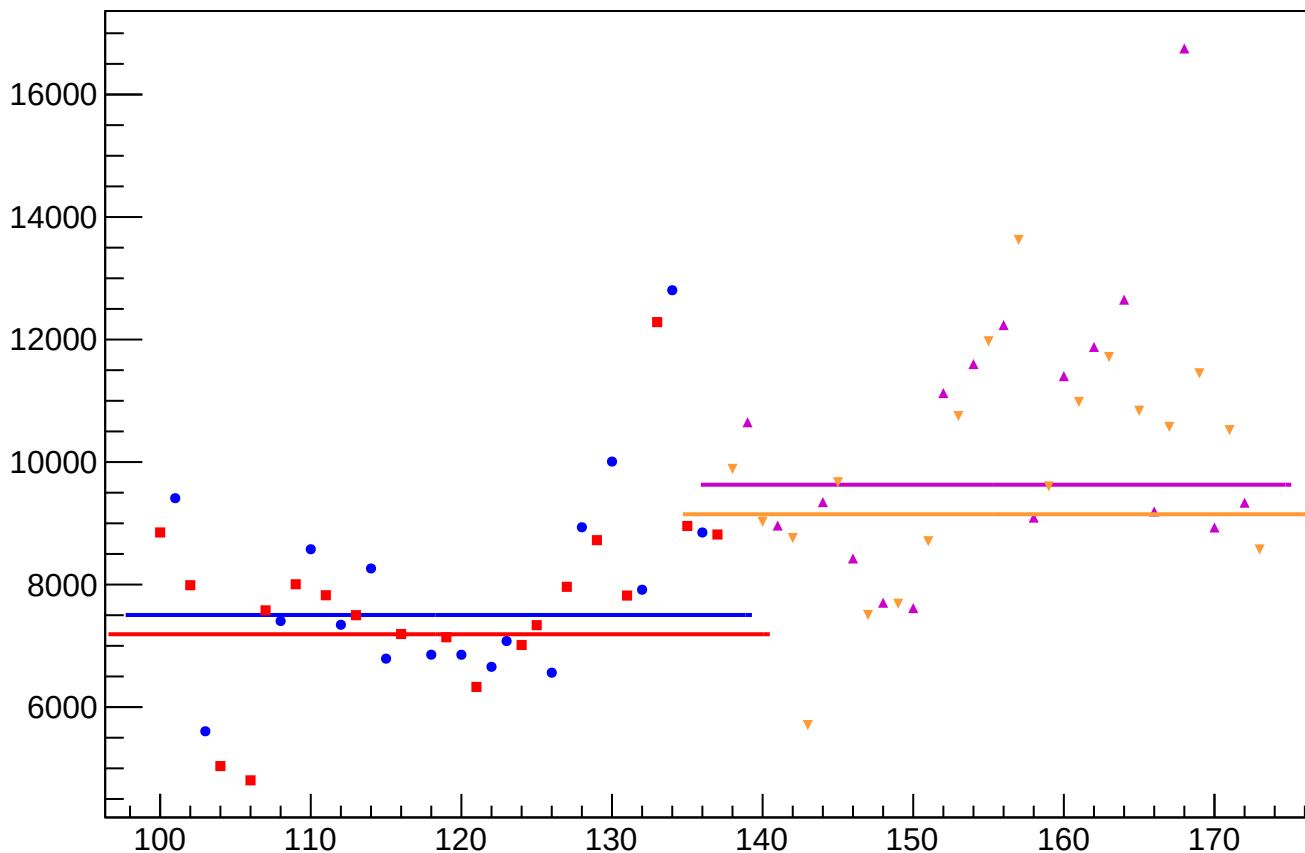
Right: 4784.984+/-2033.900 χ^2/NDF : 29.6/35

In: 3644.486+/-1997.568 χ^2/NDF :26.3/33

Out: 1678.605+/-1858.009 χ^2/NDF :37.6/37

All: 2590.480+/-1360.475 χ^2/NDF : 64.4/71

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667 $\pm$ 2.101 χ^2 /NDF: 427313.5/16

Left Out: 9147.962 $\pm$ 1.761 χ^2 /NDF: 1194872.1/18

Right Out: 7189.231 $\pm$ 1.973 χ^2 /NDF: 557703.4/18

Left In: 9630.252 $\pm$ 1.908 χ^2 /NDF: 906496.8/16

Left: 9369.800 $\pm$ 1.294 χ^2 /NDF: 2135867.4/35

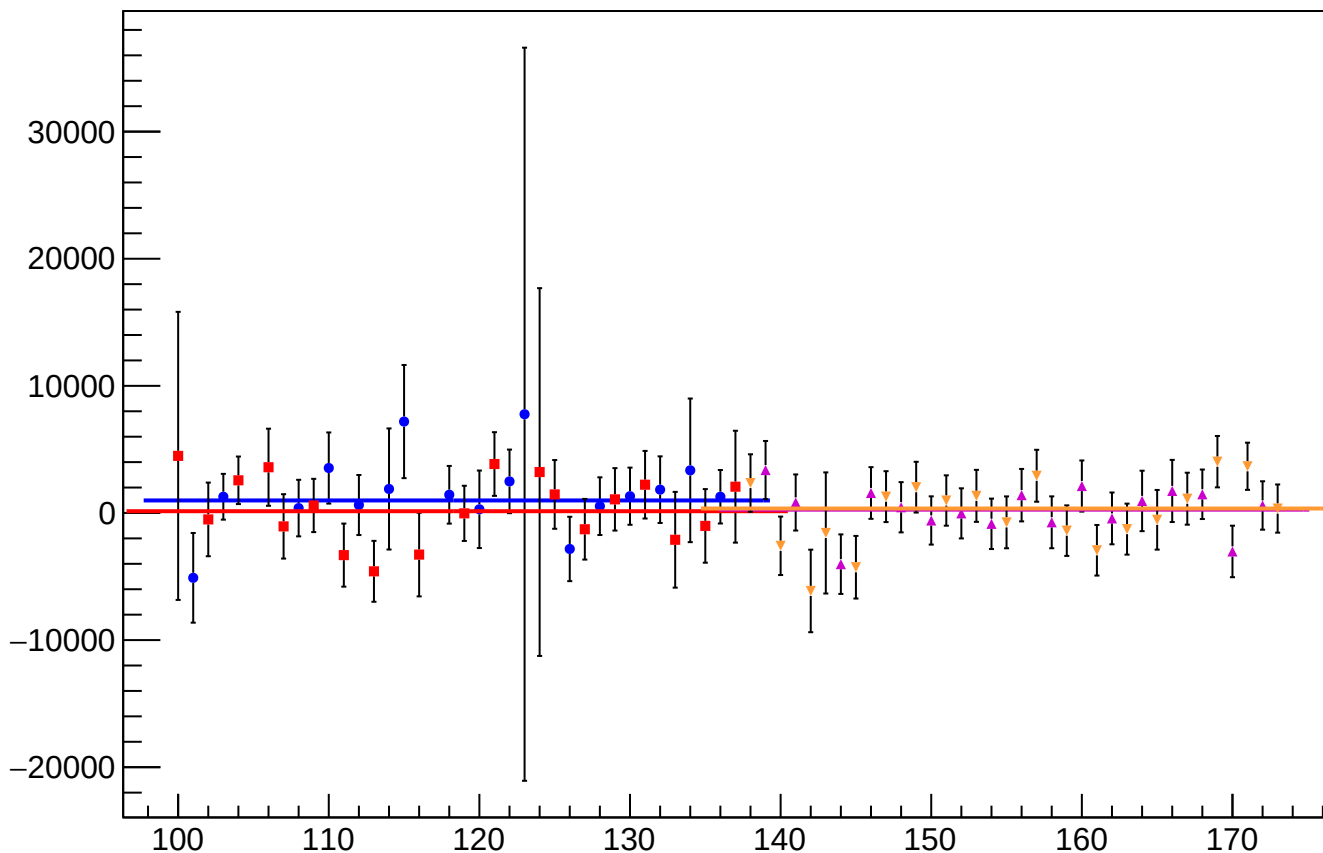
Right: 7336.574 $\pm$ 1.438 χ^2 /NDF: 996921.9/35

In: 8668.898 $\pm$ 1.412 χ^2 /NDF: 1895287.4/33

Out: 8279.286 $\pm$ 1.314 χ^2 /NDF: 2301218.8/37

All: 8459.999 $\pm$ 0.962 χ^2 /NDF: 4237301.1/71

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 985.452 ± 644.630 $\chi^2/\text{NDF}: 9.1/16$

Left Out: 351.004 ± 490.804 $\chi^2/\text{NDF}: 24.2/18$

Right Out: 138.627 ± 623.555 $\chi^2/\text{NDF}: 14.7/18$

Left In: 260.527 ± 502.750 $\chi^2/\text{NDF}: 11.2/16$

Left: 306.853 ± 351.198 $\chi^2/\text{NDF}: 35.4/35$

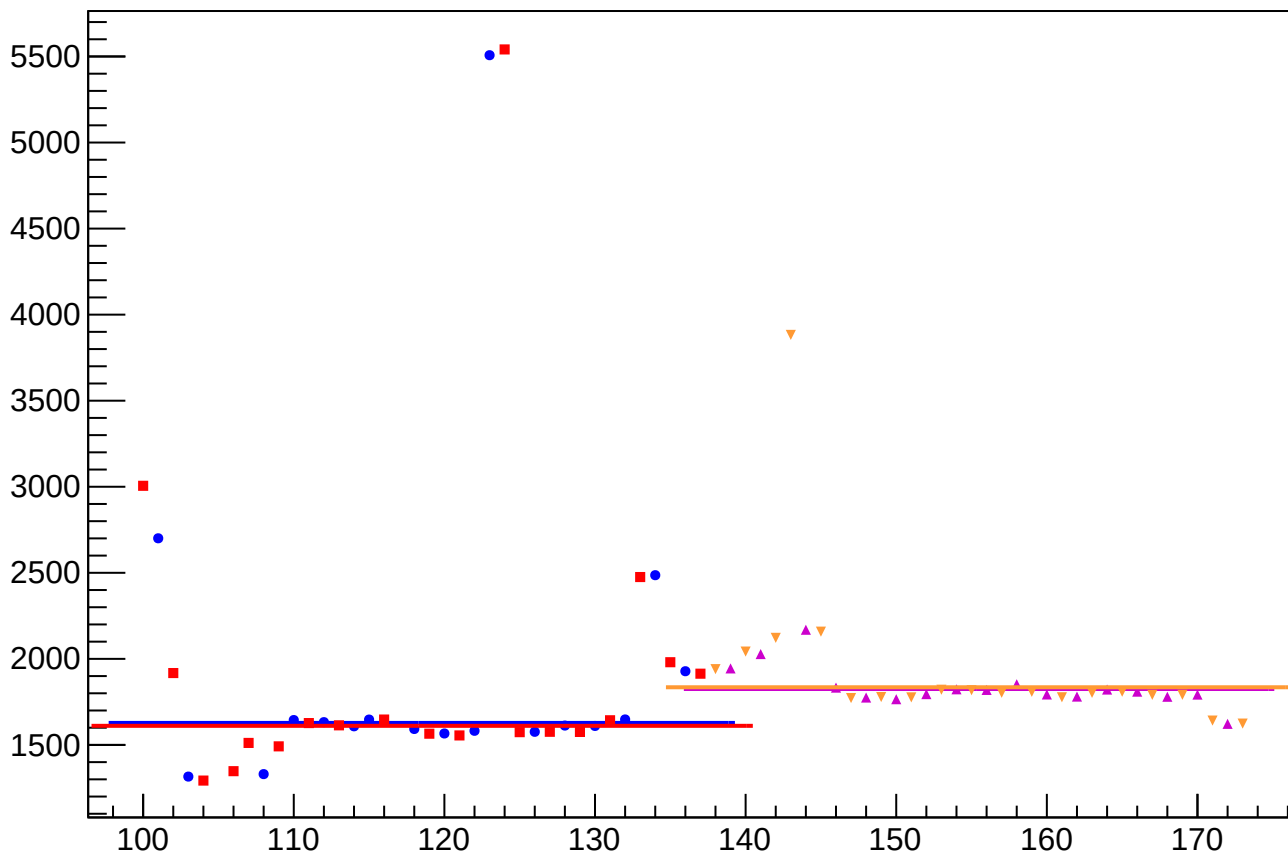
Right: 547.971 ± 448.185 $\chi^2/\text{NDF}: 24.6/35$

In: 534.699 ± 396.438 $\chi^2/\text{NDF}: 21.1/33$

Out: 269.762 ± 385.667 $\chi^2/\text{NDF}: 38.9/37$

All: 398.582 ± 276.437 $\chi^2/\text{NDF}: 60.2/71$

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836 $\pm$ 0.456 χ^2 /NDF: 407106.6/16

Left Out: 1834.975 $\pm$ 0.347 χ^2 /NDF:497322.2/18

Right Out: 1610.948 $\pm$ 0.441 χ^2 /NDF: 433960.8/18

Left In: 1824.987 $\pm$ 0.355 χ^2 /NDF:95419.9/16

Left: 1830.101 $\pm$ 0.248 χ^2 /NDF: 593146.3/35

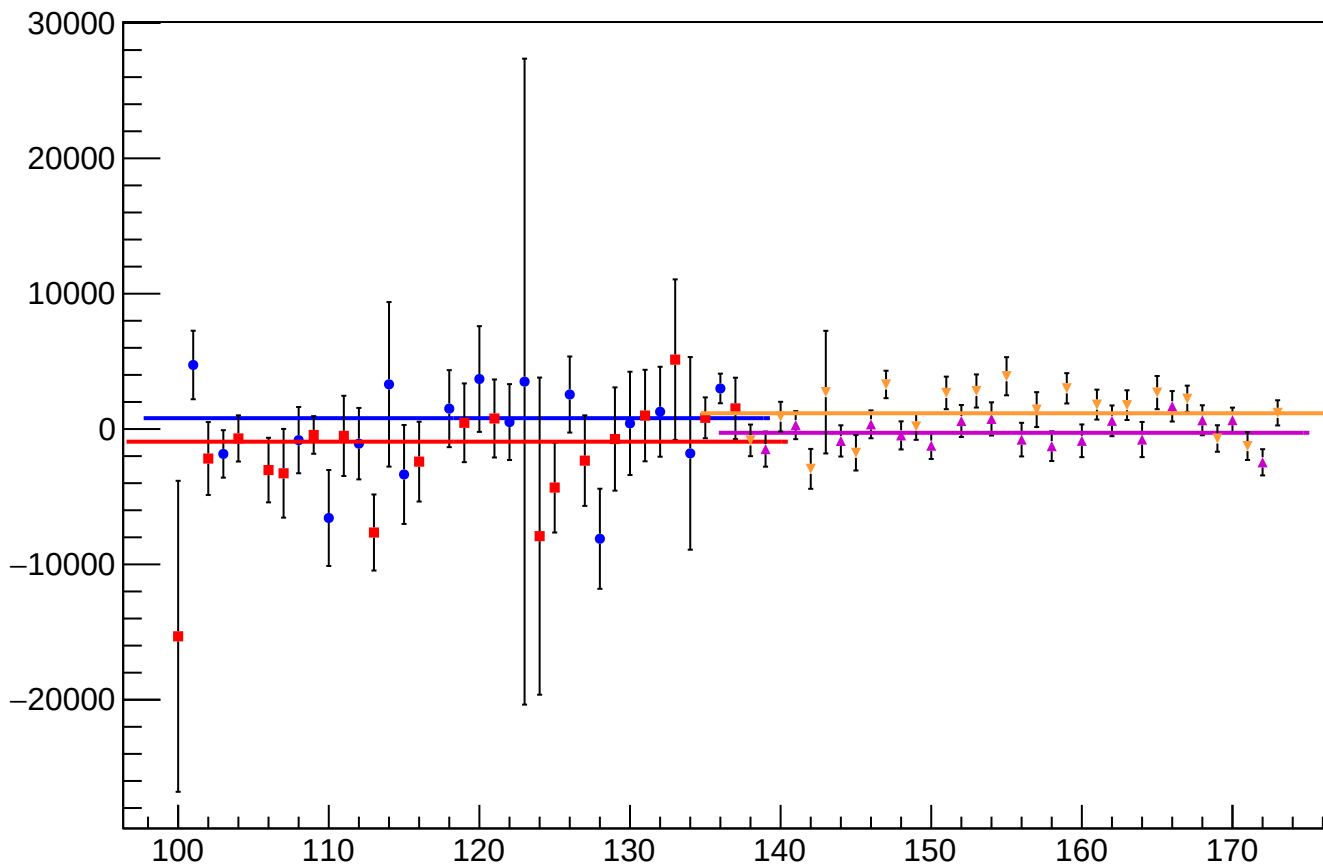
Right: 1619.112 $\pm$ 0.317 χ^2 /NDF: 841776.5/35

In: 1750.423 $\pm$ 0.280 χ^2 /NDF:618845.7/33

Out: 1749.276 $\pm$ 0.273 χ^2 /NDF:1090683.8/37

All: 1749.834 $\pm$ 0.195 χ^2 /NDF: 1709538.2/71

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048+/-631.676 χ^2/NDF : 22.4/16

Left Out: 1166.195+/-263.171 χ^2/NDF : 43.7/18

Right Out: -933.645+/-589.727 χ^2/NDF : 15.3/18

Left In: -277.653+/-267.919 χ^2/NDF : 15.8/16

Left: 457.180+/-187.746 χ^2/NDF : 74.3/35

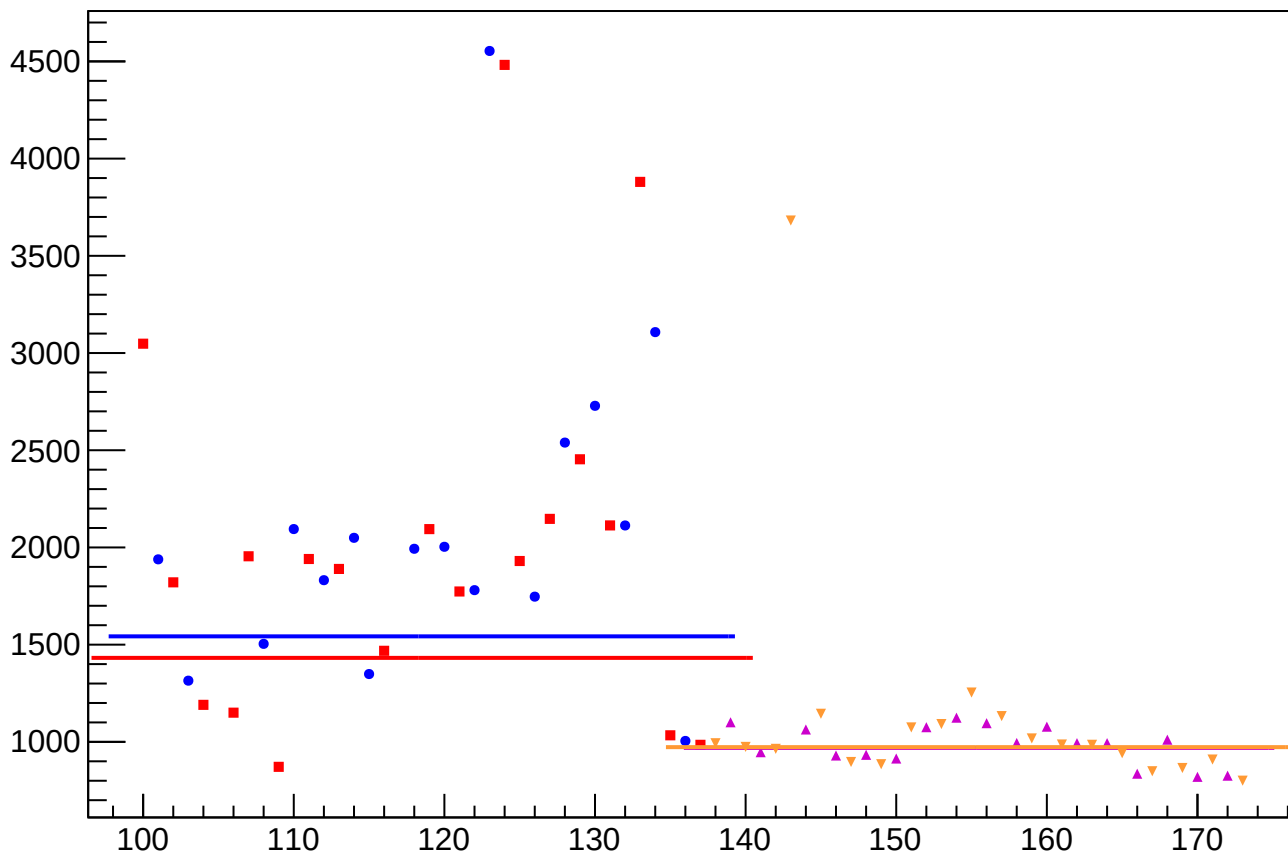
Right: -124.875+/-431.067 χ^2/NDF : 41.7/35

In: -112.882+/-246.651 χ^2/NDF : 40.7/33

Out: 817.467+/-240.326 χ^2/NDF : 69.5/37

All: 364.373+/-172.129 χ^2/NDF : 117.6/71

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.705 $\pm$ 0.447 χ^2 /NDF: 1287946.3/16

Left Out: 972.842 $\pm$ 0.186 χ^2 /NDF: 1058932.4/18

Right Out: 1432.013 $\pm$ 0.417 χ^2 /NDF: 1823809.4/18

Left In: 968.788 $\pm$ 0.189 χ^2 /NDF: 260662.9/16

Left: 970.851 $\pm$ 0.133 χ^2 /NDF: 1319828.3/35

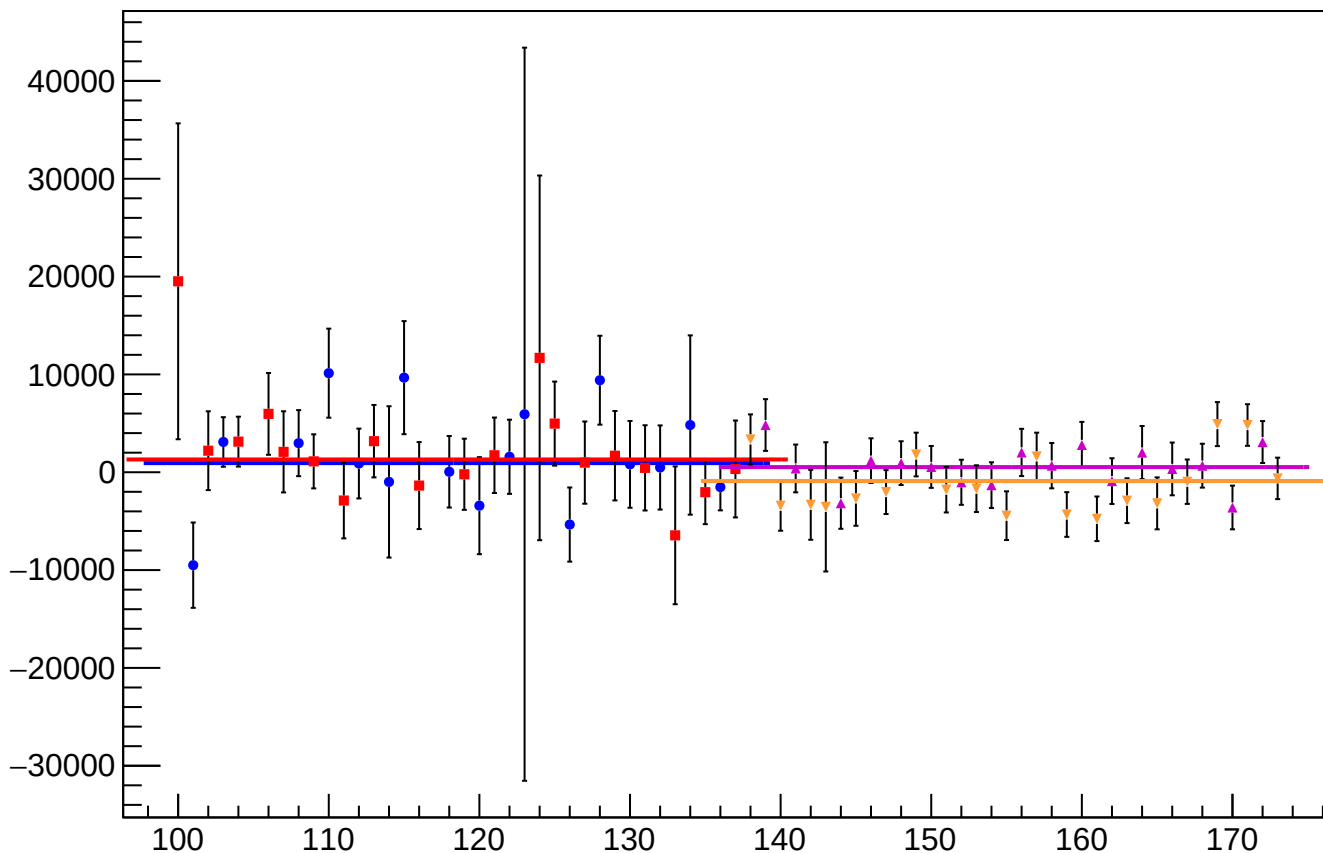
Right: 1483.562 $\pm$ 0.305 χ^2 /NDF: 3144570.0/35

In: 1056.292 $\pm$ 0.174 χ^2 /NDF: 2947861.0/33

Out: 1049.098 $\pm$ 0.170 χ^2 /NDF: 3893869.3/37

All: 1052.601 $\pm$ 0.122 χ^2 /NDF: 6842603.0/71

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818 ± 967.941 χ^2/NDF : 21.6/16

Left Out: -893.509 ± 561.069 χ^2/NDF : 30.4/18

Right Out: 1307.802 ± 925.415 χ^2/NDF : 8.5/18

Left In: 526.545 ± 572.597 χ^2/NDF : 12.7/16

Left: -197.922 ± 400.749 χ^2/NDF : 46.2/35

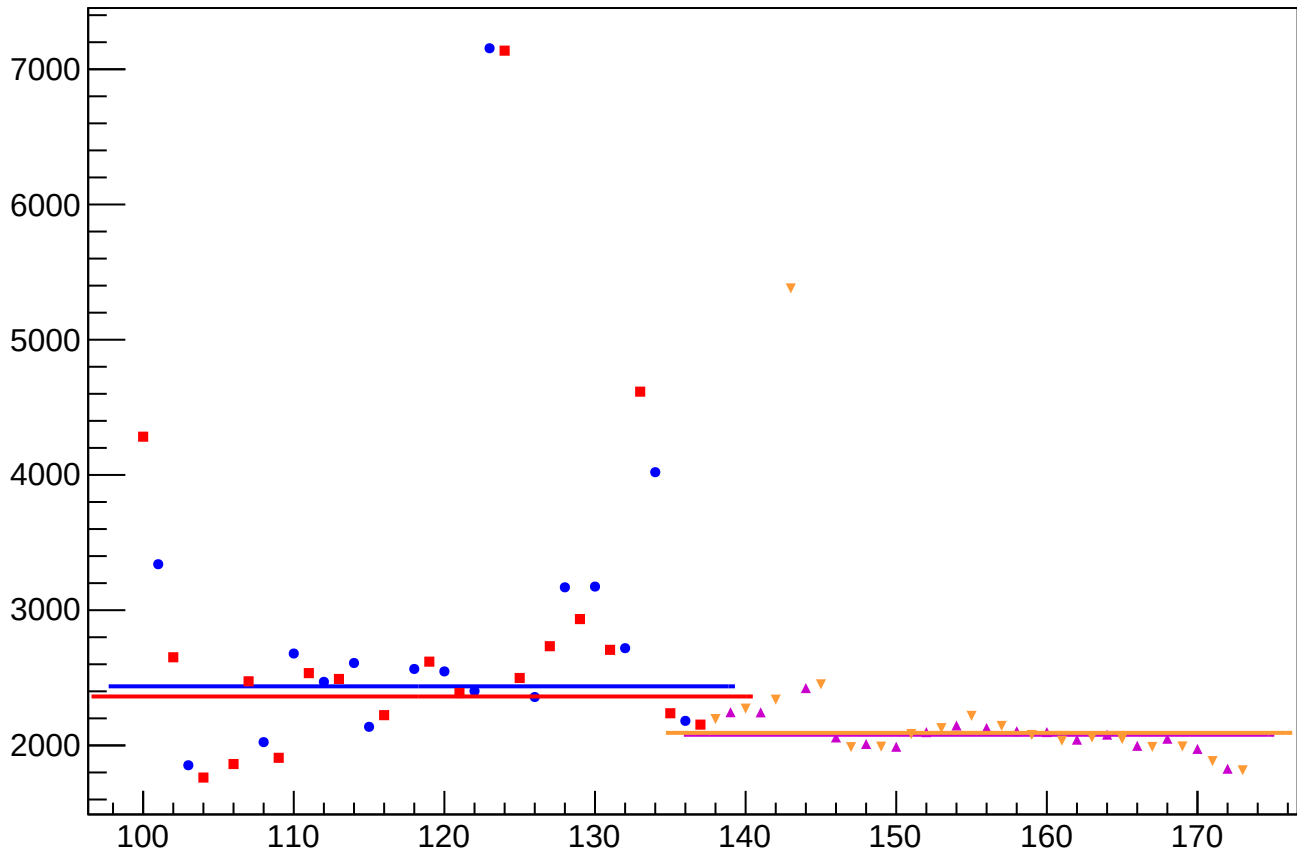
Right: 1128.728 ± 668.896 χ^2/NDF : 30.2/35

In: 631.863 ± 492.823 χ^2/NDF : 34.4/33

Out: -301.831 ± 479.776 χ^2/NDF : 43.0/37

All: 152.493 ± 343.773 χ^2/NDF : 79.3/71

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855+/-0.684 χ^2/NDF : 469030.2/16

Left Out: 2092.900+/-0.397 χ^2/NDF : 629978.4/18

Right Out: 2361.880+/-0.654 χ^2/NDF : 655847.5/18

Left In: 2078.667+/-0.405 χ^2/NDF : 95025.1/16

Left: 2085.928+/-0.283 χ^2/NDF : 725634.0/35

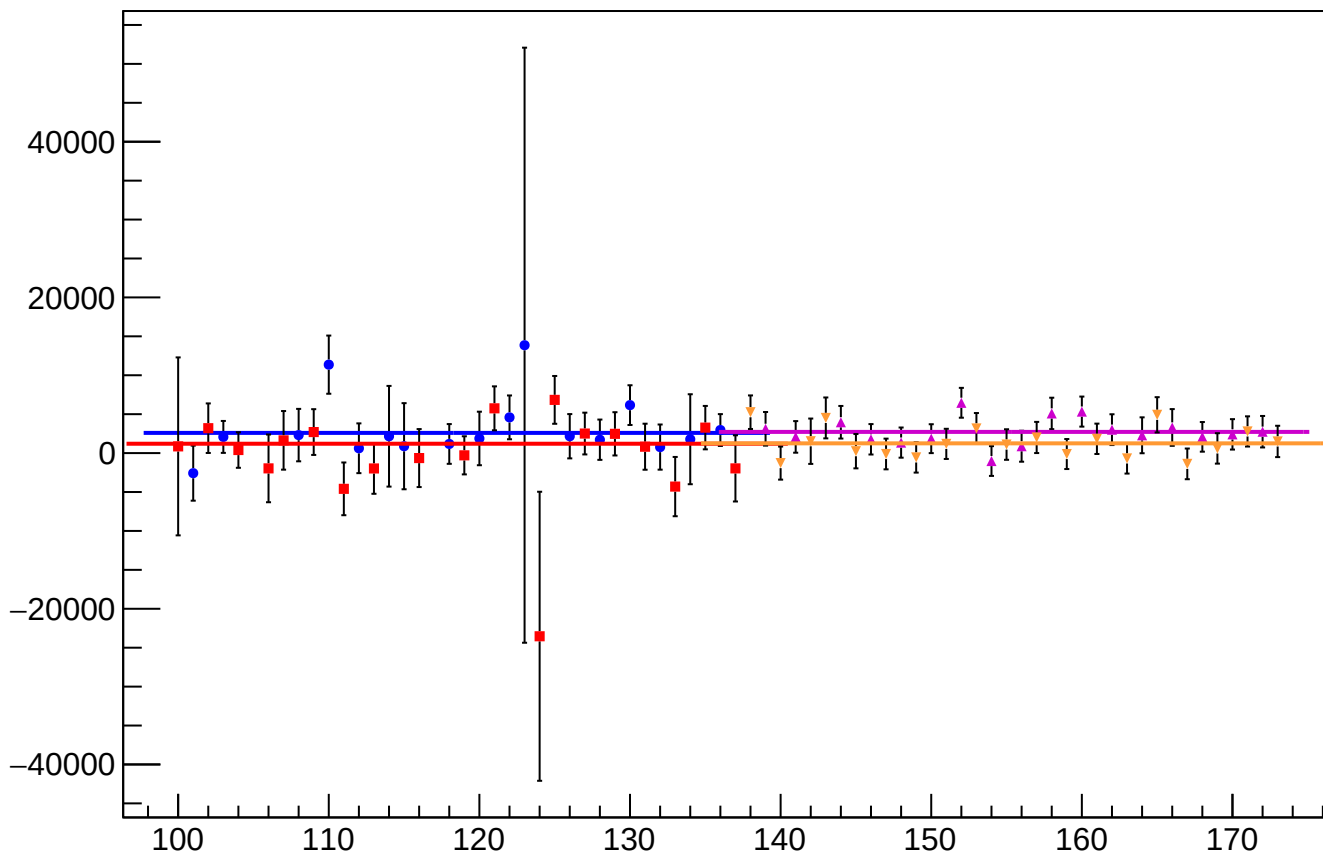
Right: 2397.684+/-0.473 χ^2/NDF : 1131146.9/35

In: 2171.520+/-0.348 χ^2/NDF : 766935.6/33

Out: 2165.198+/-0.339 χ^2/NDF : 1409376.9/37

All: 2168.274+/-0.243 χ^2/NDF : 2176481.5/71

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2594.684+/-743.000 χ^2/NDF : 11.7/16

Left Out: 1251.352+/-472.537 χ^2/NDF :15.8/18

Right Out: 1202.548+/-739.618 χ^2/NDF : 17.2/18

Left In: 2722.179+/-486.745 χ^2/NDF :13.4/16

Left: 1964.985+/-339.046 χ^2/NDF : 33.9/35

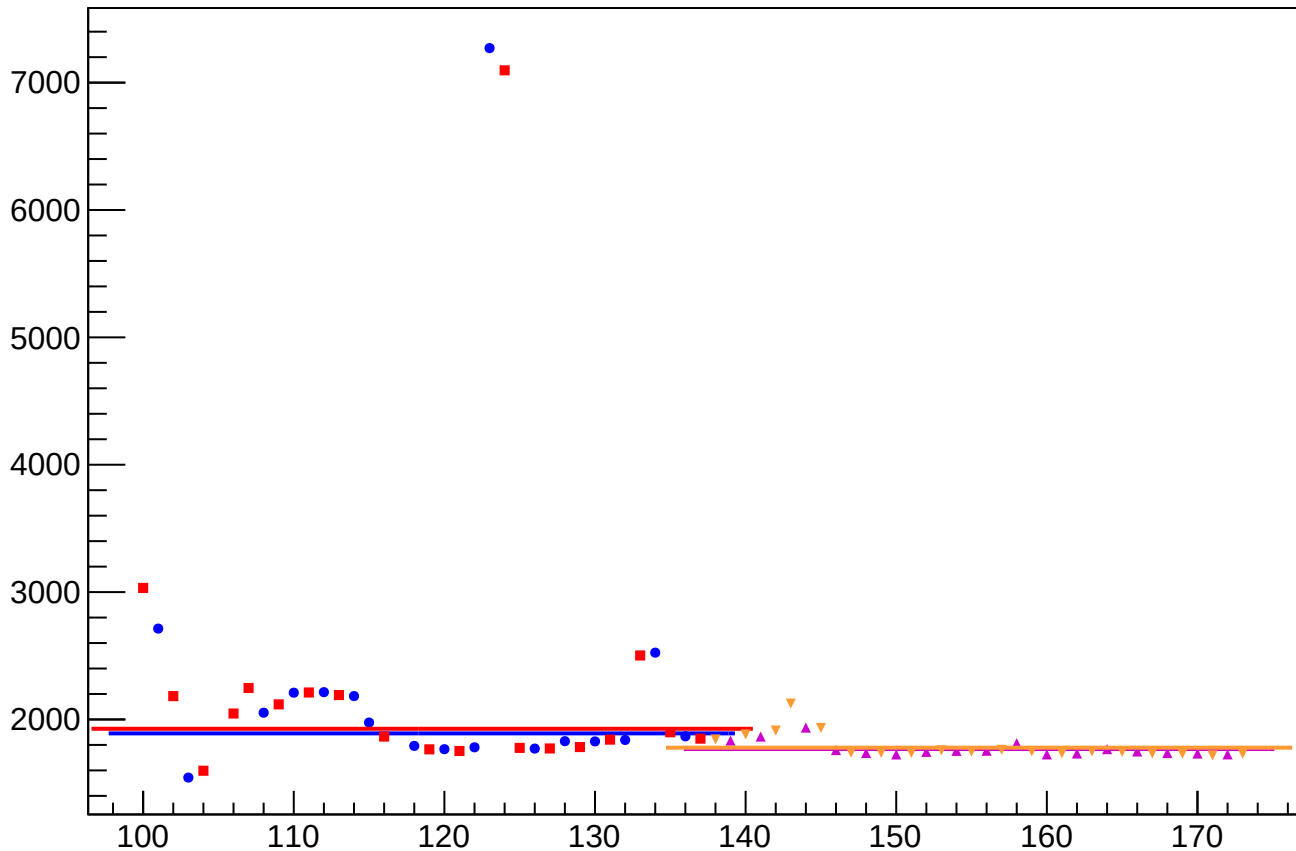
Right: 1895.439+/-524.180 χ^2/NDF : 30.7/35

In: 2683.893+/-407.156 χ^2/NDF :25.1/33

Out: 1237.205+/-398.204 χ^2/NDF :33.0/37

All: 1944.472+/-284.685 χ^2/NDF : 64.6/71

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1778.581+/-0.334 χ^2/NDF : 66391.0/18

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

Left In: 1767.717+/-0.344 χ^2/NDF : 26315.8/16

Left: 1773.310+/-0.240 χ^2/NDF : 93219.8/35

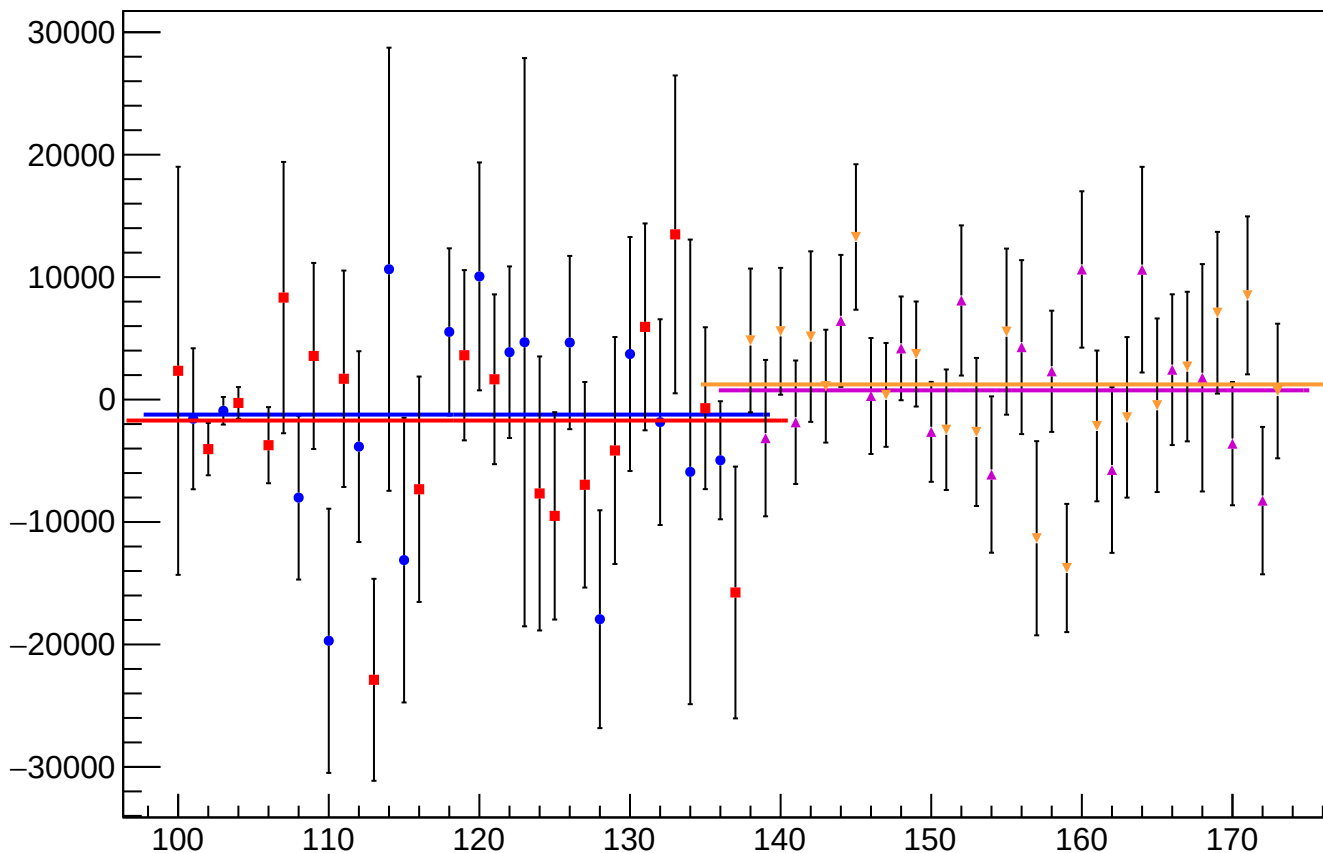
Right: 1908.946+/-0.370 χ^2/NDF : 653591.4/35

In: 1804.654+/-0.288 χ^2/NDF : 353614.8/33

Out: 1821.684+/-0.281 χ^2/NDF : 485925.7/37

All: 1813.362+/-0.201 χ^2/NDF : 841329.7/71

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 1239.007 $\pm$ 1300.335 χ^2 /NDF:20.6/18

Right Out: -1711.747 $\pm$ 941.580 χ^2 /NDF: 17.8/18

Left In: 753.936 $\pm$ 1365.816 χ^2 /NDF:13.8/16

Left: 1008.377 $\pm$ 941.774 χ^2 /NDF: 34.5/35

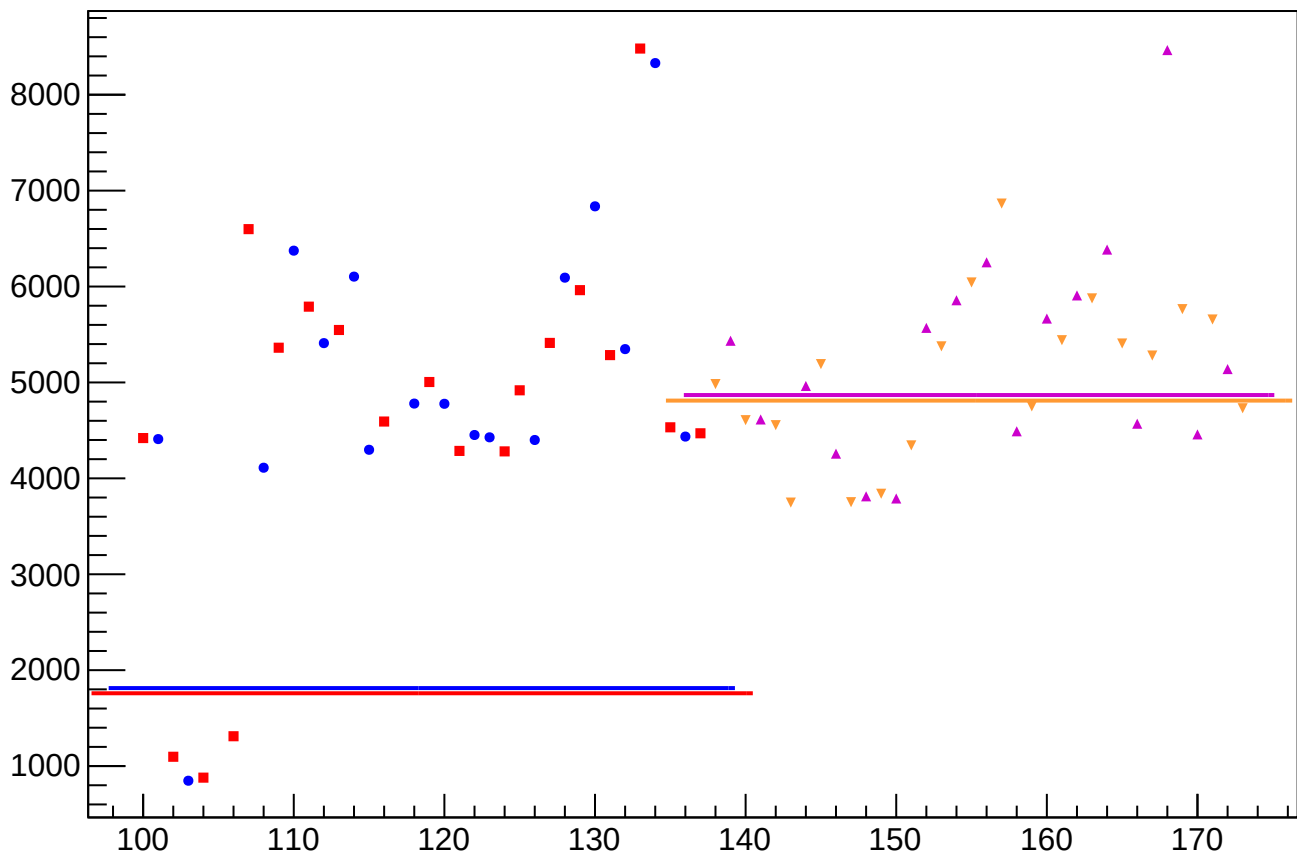
Right: -1480.155 $\pm$ 680.499 χ^2 /NDF: 31.8/35

In: -549.528 $\pm$ 798.702 χ^2 /NDF:29.0/33

Out: -696.765 $\pm$ 762.637 χ^2 /NDF:41.8/37

All: -626.545 $\pm$ 551.575 χ^2 /NDF: 70.8/71

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4810.788+/-0.919 χ^2/NDF : 761792.2/18

Right Out: 1759.135+/-0.666 χ^2/NDF : 6313068.7/18

Left In: 4868.680+/-0.966 χ^2/NDF : 946136.6/16

Left: 4838.313+/-0.666 χ^2/NDF : 1709813.7/35

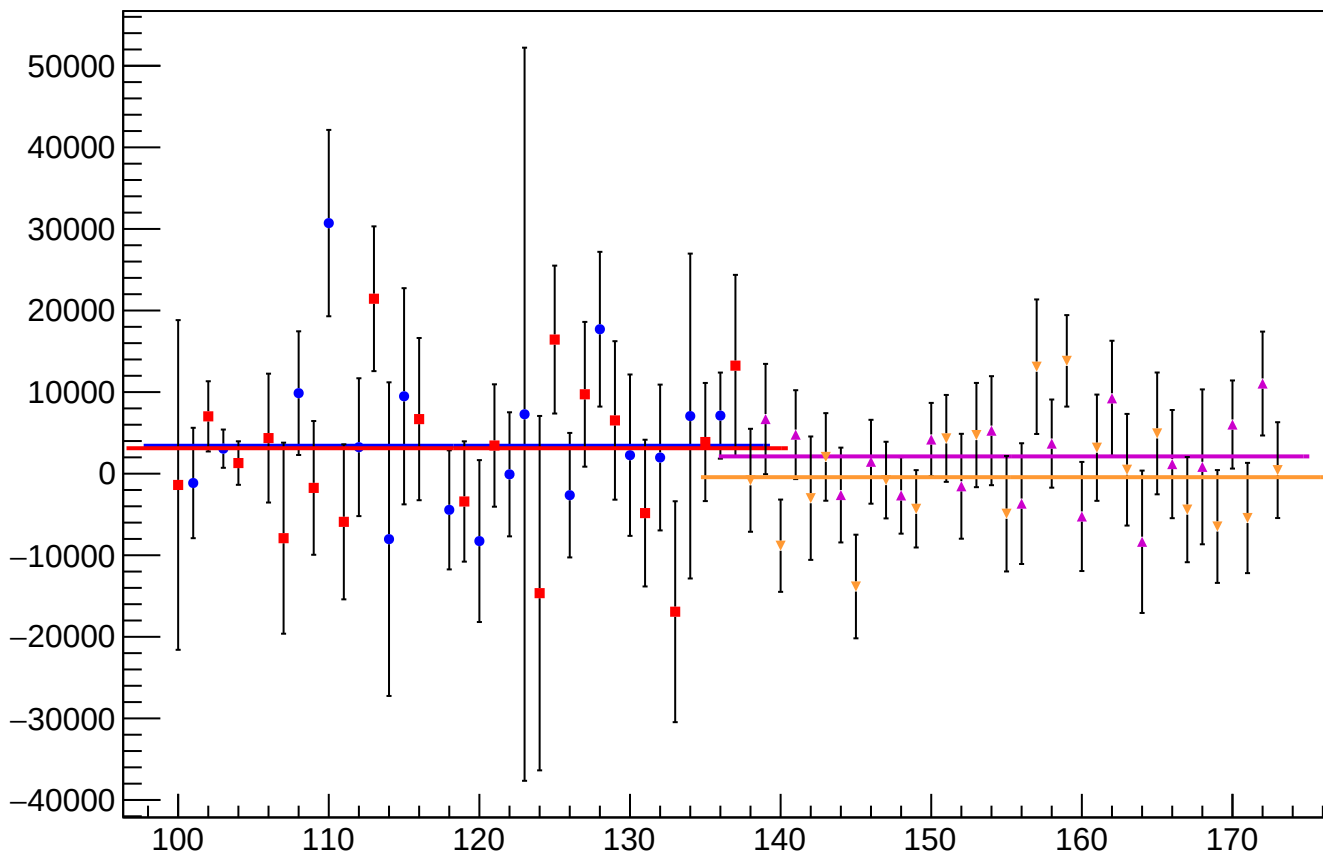
Right: 1784.958+/-0.481 χ^2/NDF : 12765256.3/35

In: 2858.073+/-0.565 χ^2/NDF : 13981651.6/33

Out: 2808.824+/-0.539 χ^2/NDF : 14301078.6/37

All: 2832.311+/-0.390 χ^2/NDF : 28286707.8/71

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -430.736+/-1402.953 χ^2/NDF :21.2/18

Right Out: 3117.857+/-1605.930 χ^2/NDF : 16.0/18

Left In: 2116.558+/-1465.443 χ^2/NDF :10.1/16

Left: 787.443+/-1013.410 χ^2/NDF : 32.9/35

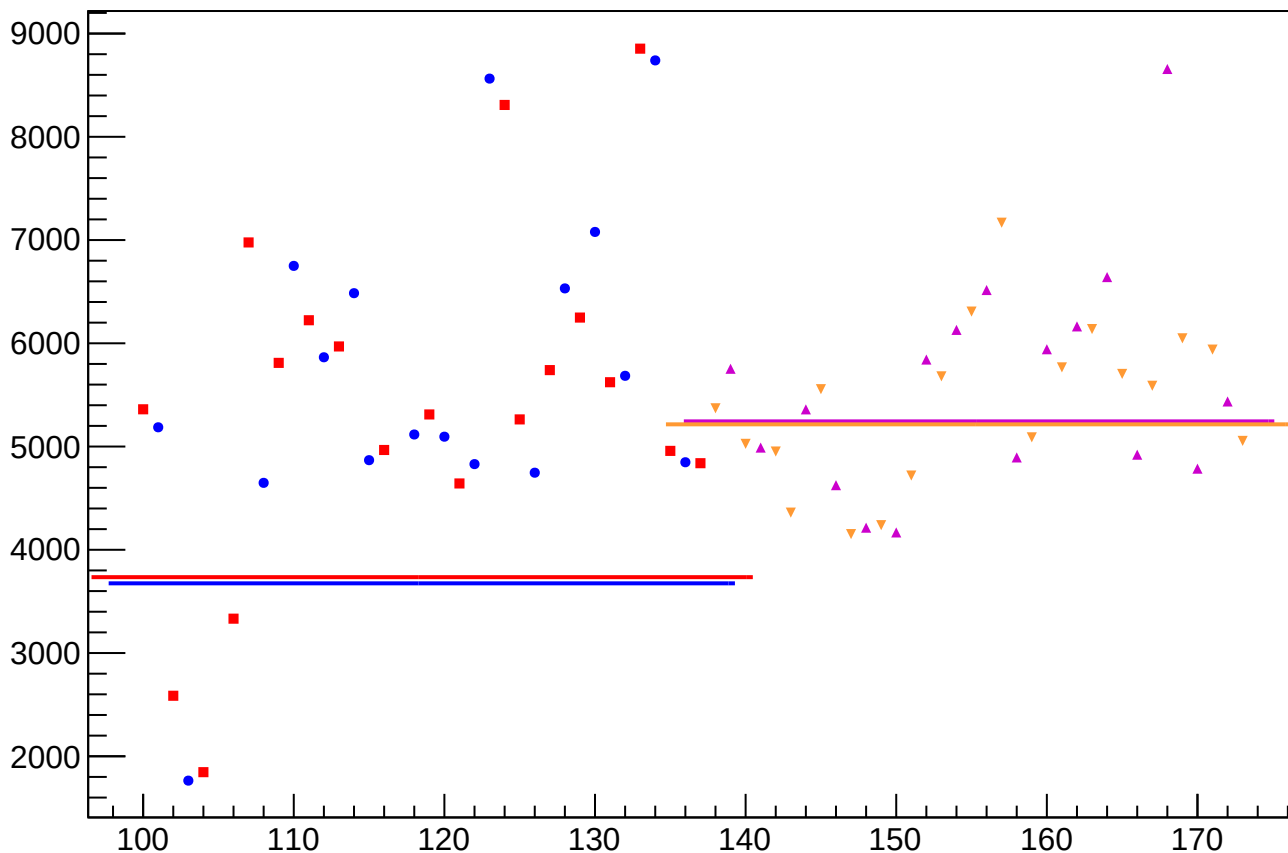
Right: 3269.490+/-1135.828 χ^2/NDF : 29.7/35

In: 2709.057+/-1082.720 χ^2/NDF :24.1/33

Out: 1105.260+/-1056.559 χ^2/NDF :40.0/37

All: 1887.548+/-756.179 χ^2/NDF : 65.3/71

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003 ± 1.136 $\chi^2/\text{NDF}: 2775085.7/16$

Left Out: 5215.070 ± 0.992 $\chi^2/\text{NDF}: 557883.1/18$

Right Out: 3734.796 ± 1.128 $\chi^2/\text{NDF}: 2693929.0/18$

Left In: 5243.762 ± 1.036 $\chi^2/\text{NDF}: 763442.3/16$

Left: 5228.791 ± 0.717 $\chi^2/\text{NDF}: 1321725.4/35$

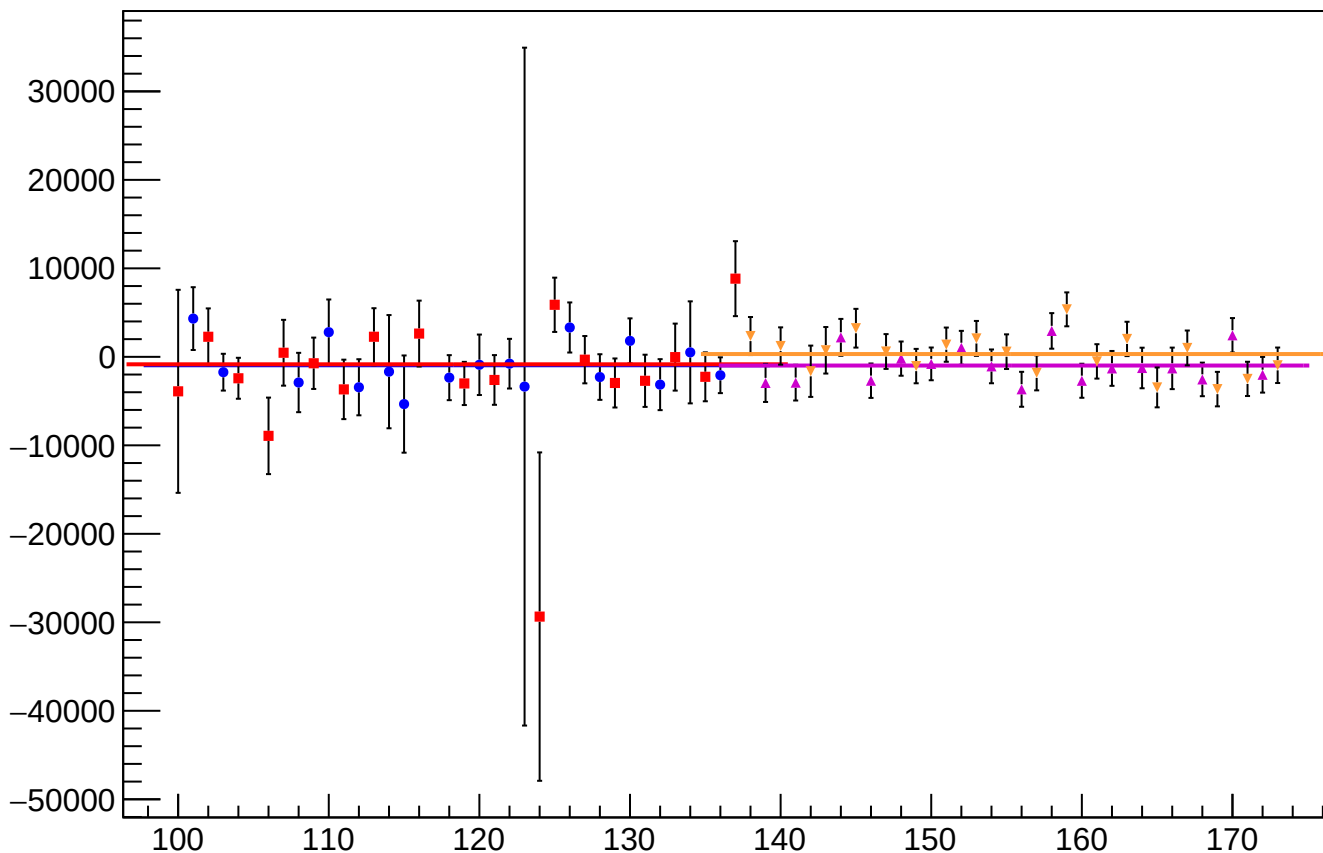
Right: 3705.112 ± 0.800 $\chi^2/\text{NDF}: 5470409.5/35$

In: 4531.351 ± 0.766 $\chi^2/\text{NDF}: 4579356.1/33$

Out: 4569.492 ± 0.745 $\chi^2/\text{NDF}: 4222845.5/37$

All: 4550.943 ± 0.534 $\chi^2/\text{NDF}: 8803476.5/71$

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377 ± 740.668 $\chi^2/\text{NDF}: 10.0/16$

Left Out: 316.336 ± 470.675 $\chi^2/\text{NDF}: 23.6/18$

Right Out: -843.515 ± 737.527 $\chi^2/\text{NDF}: 22.5/18$

Left In: -982.604 ± 484.758 $\chi^2/\text{NDF}: 16.7/16$

Left: -313.992 ± 337.686 $\chi^2/\text{NDF}: 44.0/35$

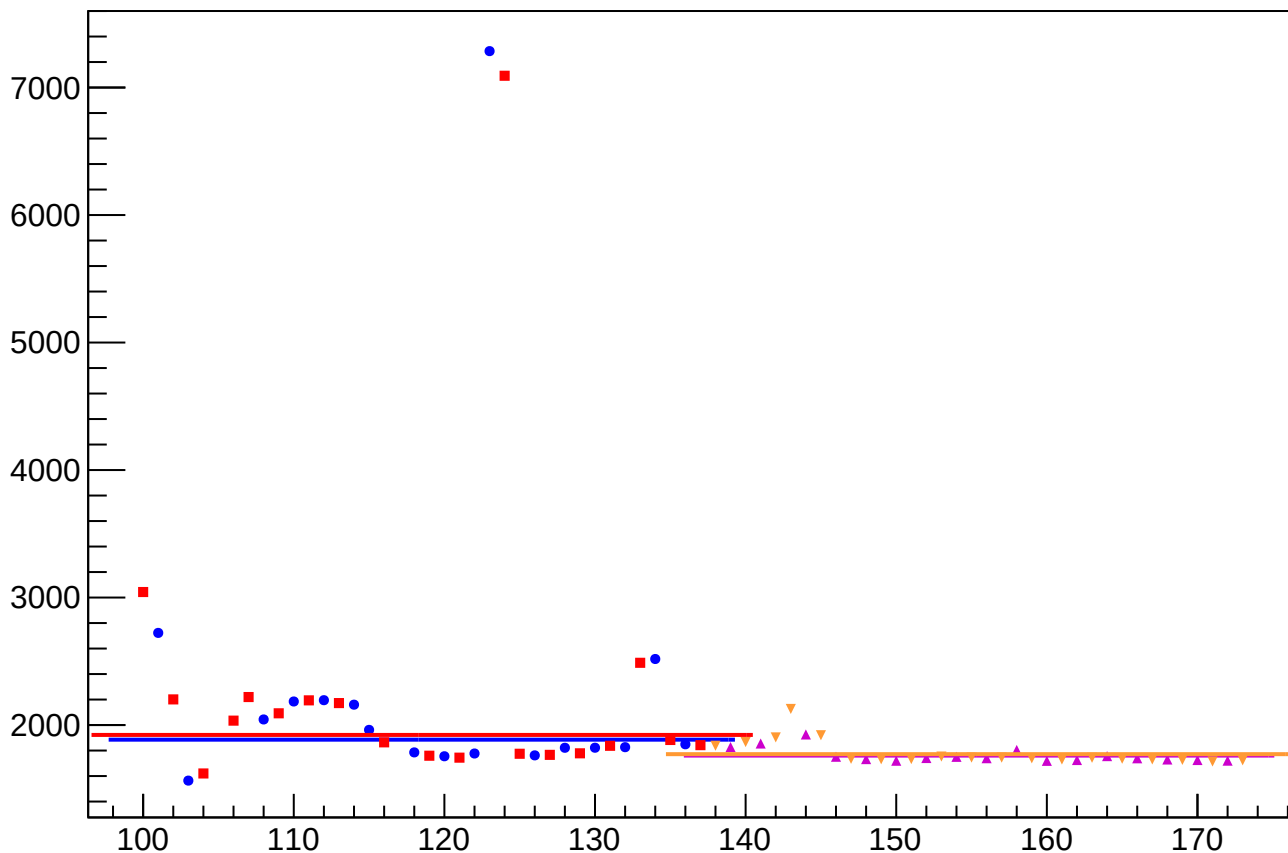
Right: -897.217 ± 522.617 $\chi^2/\text{NDF}: 32.5/35$

In: -973.239 ± 405.608 $\chi^2/\text{NDF}: 26.6/33$

Out: -19.332 ± 396.763 $\chi^2/\text{NDF}: 47.9/37$

All: -485.771 ± 283.630 $\chi^2/\text{NDF}: 77.3/71$

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360 ± 0.524 $\chi^2/\text{NDF}: 280429.0/16$

Left Out: 1771.624 ± 0.333 $\chi^2/\text{NDF}: 66252.3/18$

Right Out: 1922.538 ± 0.521 $\chi^2/\text{NDF}: 351512.1/18$

Left In: 1760.530 ± 0.343 $\chi^2/\text{NDF}: 25474.8/16$

Left: 1766.240 ± 0.239 $\chi^2/\text{NDF}: 92266.4/35$

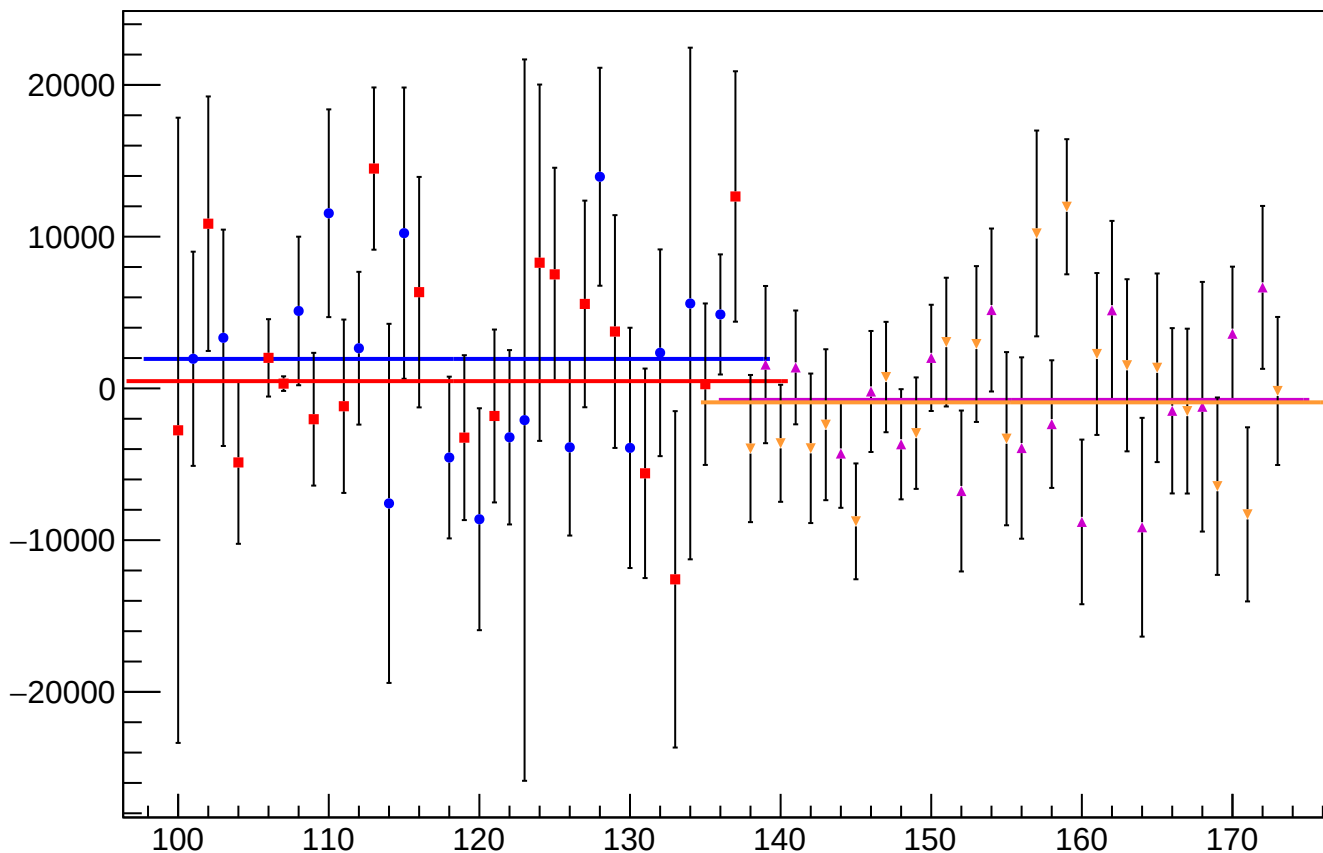
Right: 1904.057 ± 0.369 $\chi^2/\text{NDF}: 634475.3/35$

In: 1797.965 ± 0.287 $\chi^2/\text{NDF}: 345676.8/33$

Out: 1815.397 ± 0.280 $\chi^2/\text{NDF}: 477401.8/37$

All: 1806.877 ± 0.201 $\chi^2/\text{NDF}: 824967.1/71$

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -918.810+/-1095.164 χ^2/NDF : 22.0/18

Right Out: 478.828+/-453.684 χ^2/NDF : 18.1/18

Left In: -757.314+/-1133.750 χ^2/NDF : 13.2/16

Left: -840.857+/-787.686 χ^2/NDF : 35.2/35

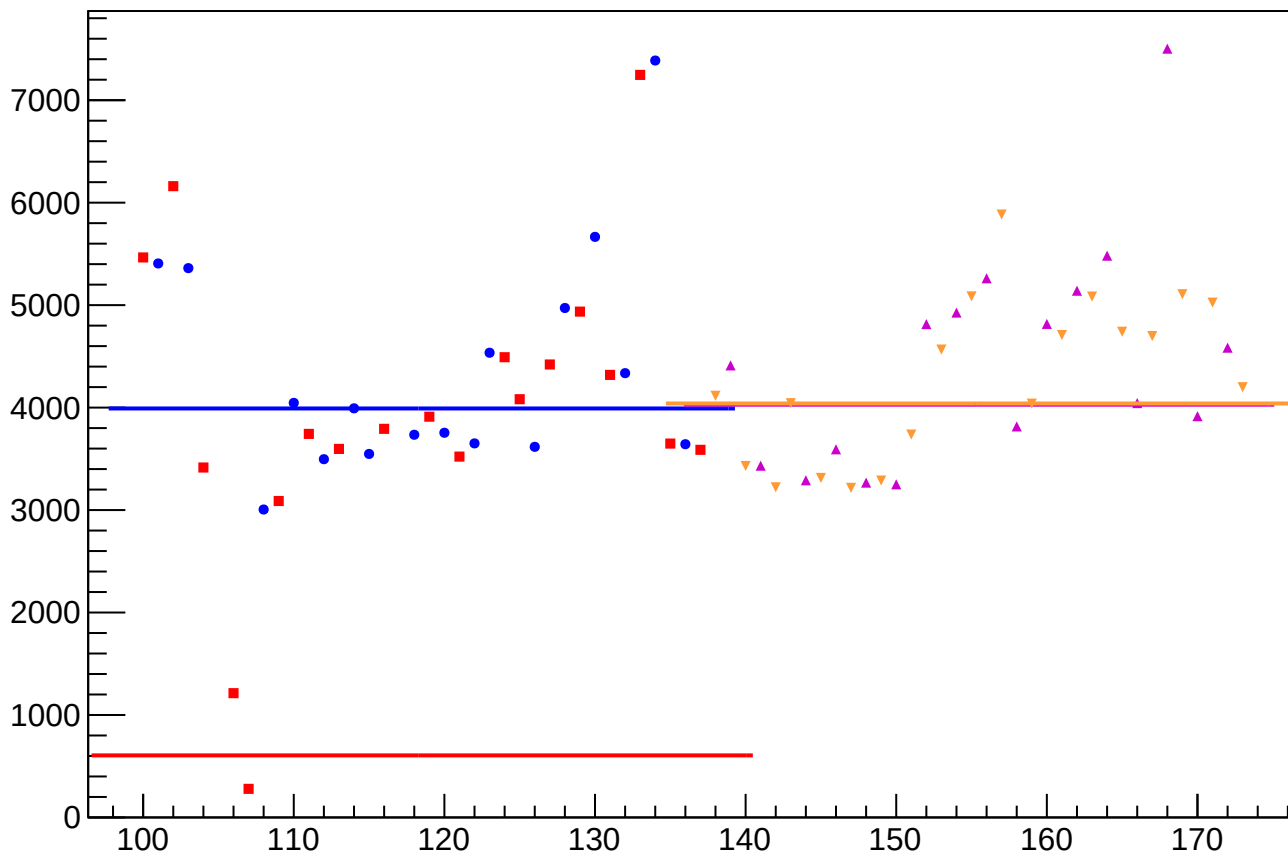
Right: 590.230+/-436.086 χ^2/NDF : 32.0/35

In: 159.741+/-921.350 χ^2/NDF : 28.3/33

Out: 274.108+/-419.143 χ^2/NDF : 41.5/37

All: 254.498+/-381.519 χ^2/NDF : 69.8/71

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 4040.217+/-0.774 χ^2/NDF : 892041.8/18

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

Left In: 4028.168+/-0.802 χ^2/NDF : 1121450.1/16

Left: 4034.401+/-0.557 χ^2/NDF : 2013608.8/35

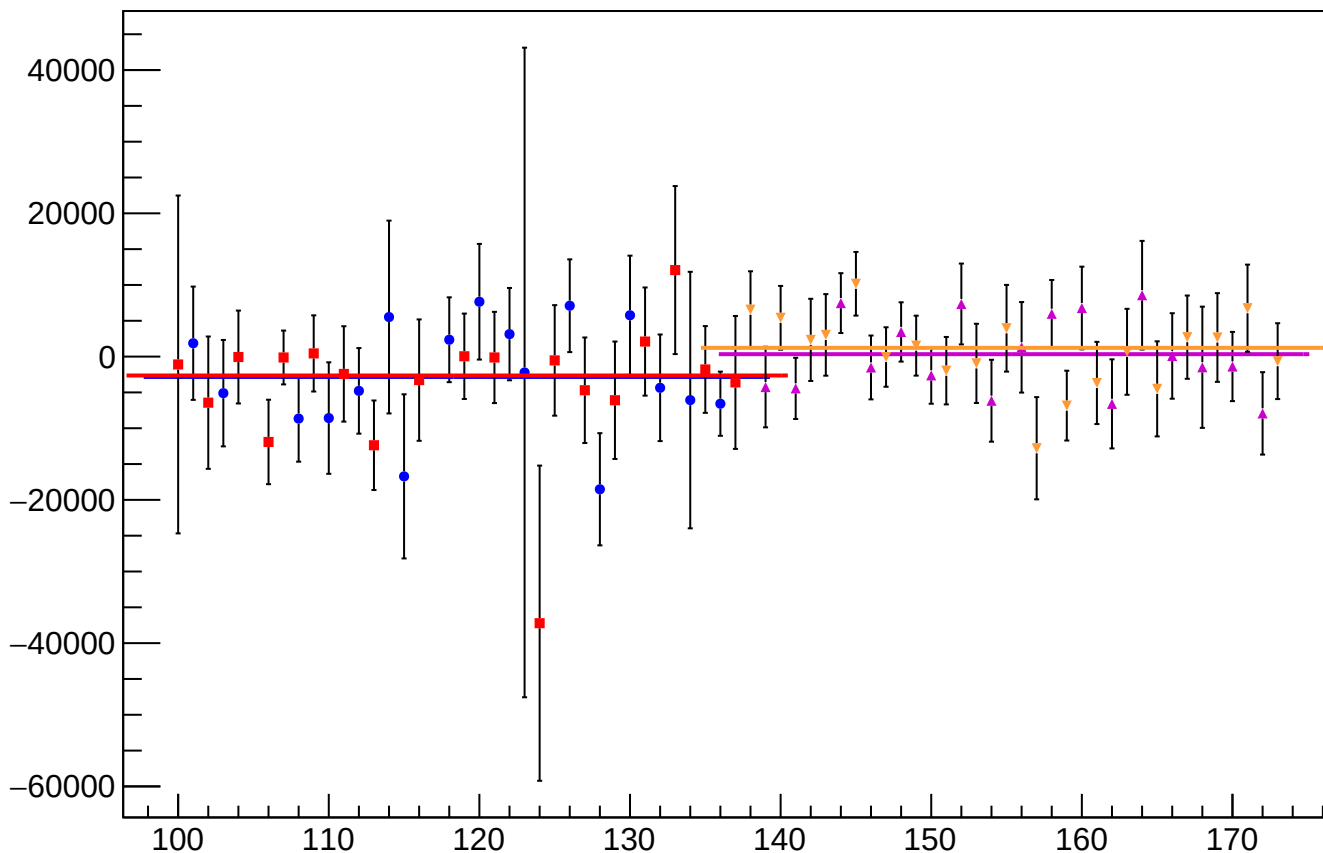
Right: 863.300+/-0.308 χ^2/NDF : 19230863.1/35

In: 4015.688+/-0.651 χ^2/NDF : 1632946.5/33

Out: 1108.799+/-0.296 χ^2/NDF : 27927088.8/37

All: 1607.238+/-0.270 χ^2/NDF : 46054816.5/71

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599+/-1786.019 χ^2/NDF : 15.4/16

Left Out: 1220.737+/-1214.070 χ^2/NDF : 16.1/18

Right Out: -2637.071+/-1575.105 χ^2/NDF : 11.2/18

Left In: 337.968+/-1253.556 χ^2/NDF : 16.3/16

Left: 793.474+/-872.103 χ^2/NDF : 32.7/35

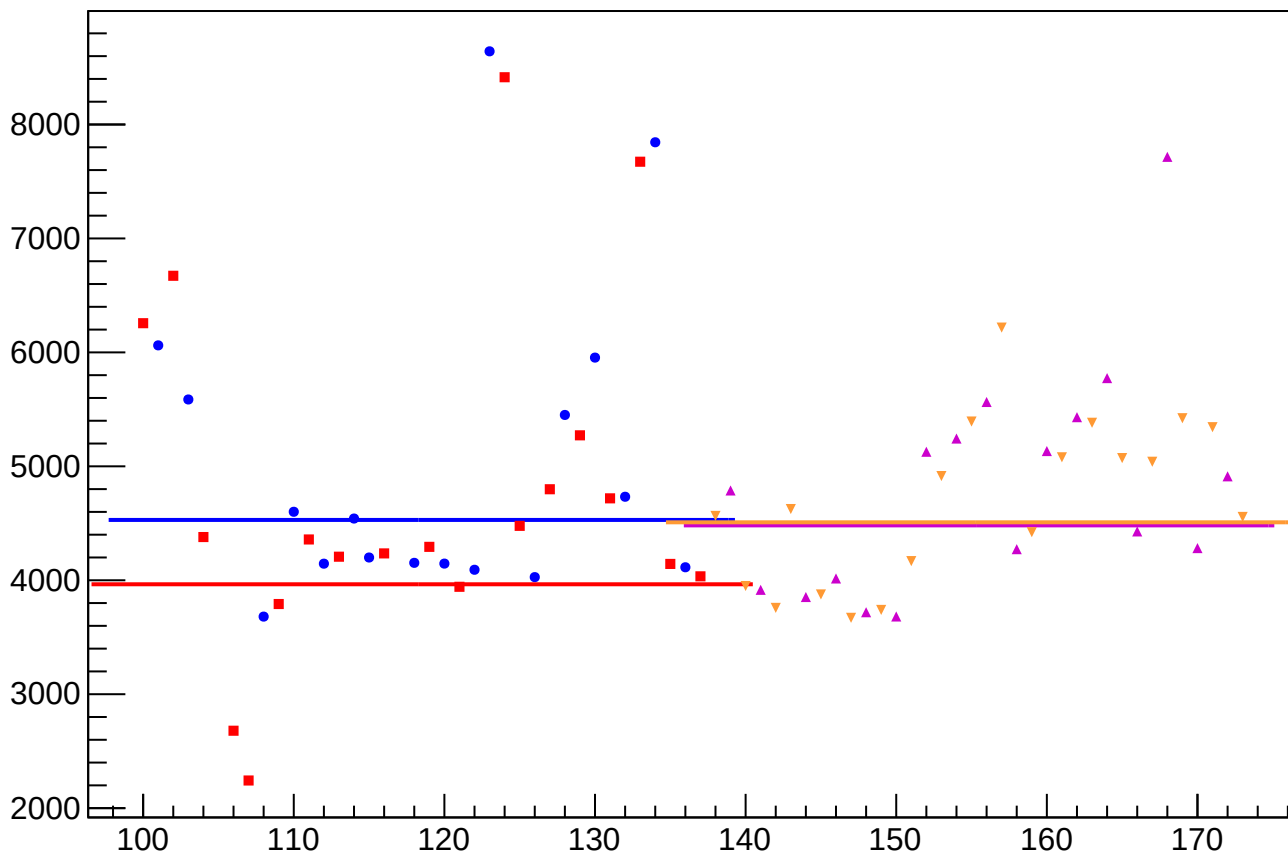
Right: -2725.676+/-1181.334 χ^2/NDF : 26.6/35

In: -710.753+/-1026.050 χ^2/NDF : 33.8/33

Out: -217.036+/-961.578 χ^2/NDF : 31.1/37

All: -447.896+/-701.624 χ^2/NDF : 65.0/71

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 4508.651 $\pm$ 0.858 χ^2 /NDF: 610584.0/18

Right Out: 3964.829 $\pm$ 1.107 χ^2 /NDF: 1140409.6/18

Left In: 4481.729 $\pm$ 0.886 χ^2 /NDF: 819227.7/16

Left: 4495.621 $\pm$ 0.617 χ^2 /NDF: 1430287.8/35

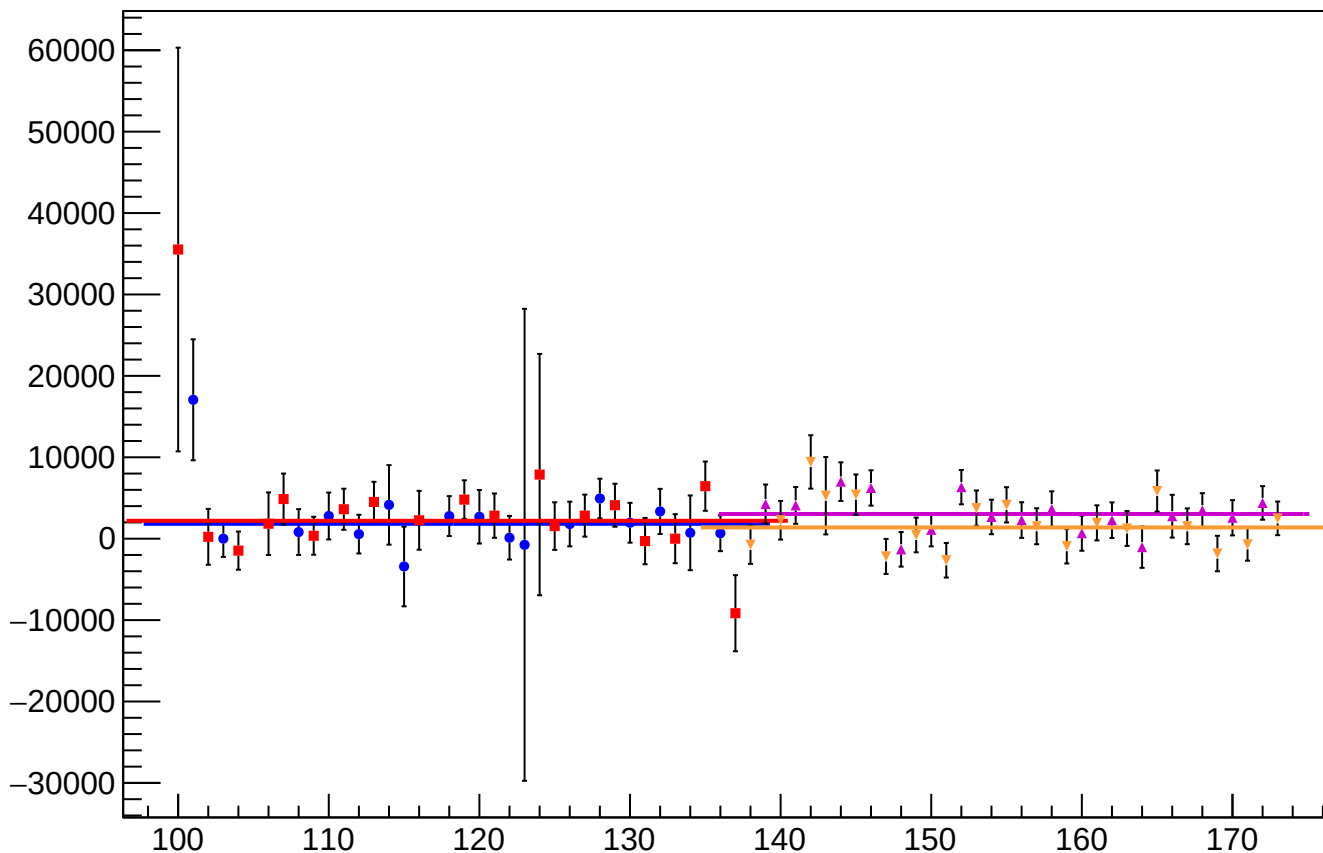
Right: 4210.073 $\pm$ 0.832 χ^2 /NDF: 1642804.6/35

In: 4497.482 $\pm$ 0.726 χ^2 /NDF: 1209511.0/33

Out: 4304.340 $\pm$ 0.678 χ^2 /NDF: 1901755.0/37

All: 4394.422 $\pm$ 0.495 χ^2 /NDF: 3149080.6/71

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 1380.895+/-522.964 χ^2/NDF :27.5/18

Right Out: 2198.063+/-684.205 χ^2/NDF : 18.3/18

Left In: 3033.381+/-535.450 χ^2/NDF :17.6/16

Left: 2187.646+/-374.128 χ^2/NDF : 50.1/35

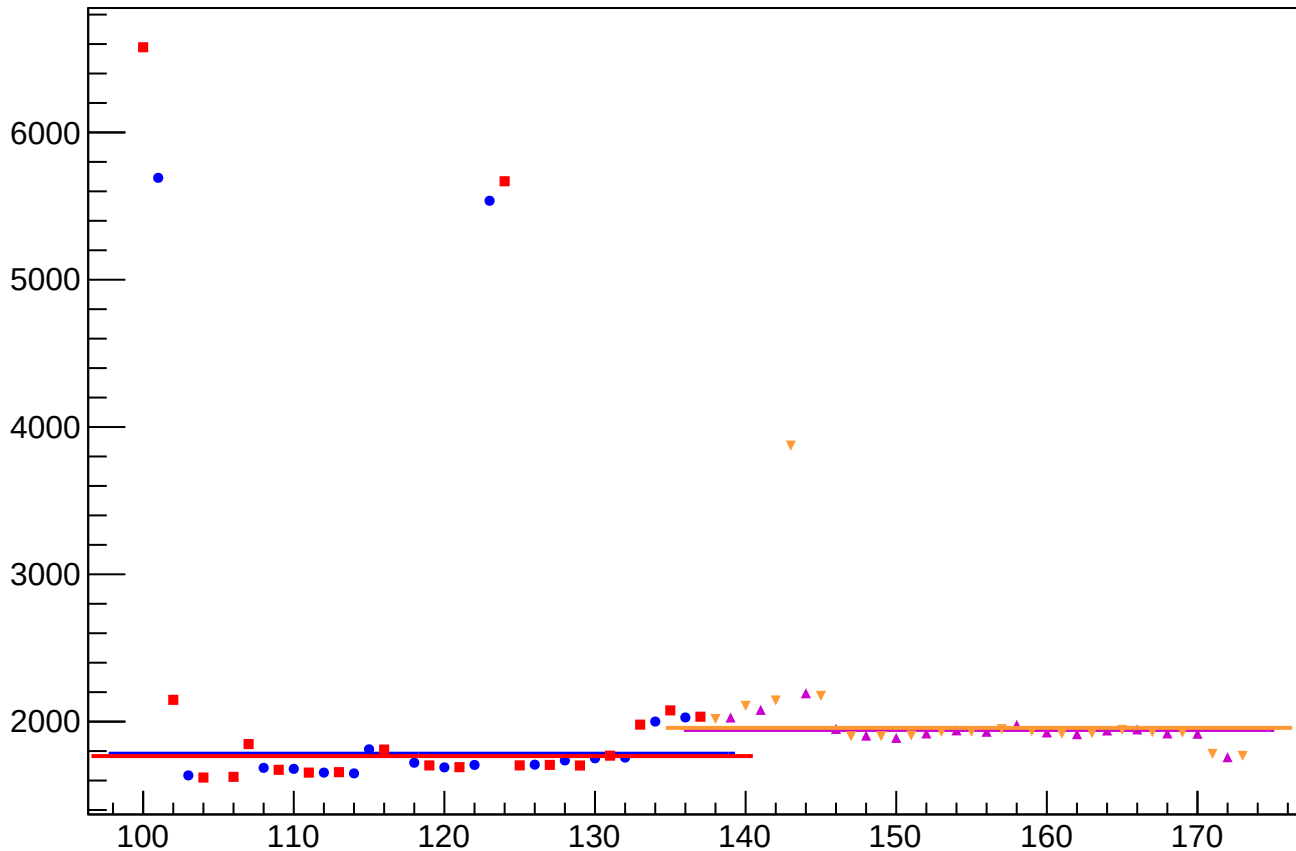
Right: 2021.233+/-493.118 χ^2/NDF : 28.2/35

In: 2598.177+/-427.797 χ^2/NDF :29.1/33

Out: 1682.243+/-415.494 χ^2/NDF :46.8/37

All: 2126.850+/-298.053 χ^2/NDF : 78.3/71

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 1957.427+/-0.370 χ^2/NDF : 395472.4/18

Right Out: 1765.967+/-0.480 χ^2/NDF : 306798.2/18

Left In: 1943.693+/-0.379 χ^2/NDF : 51846.1/16

Left: 1950.722+/-0.265 χ^2/NDF : 447992.0/35

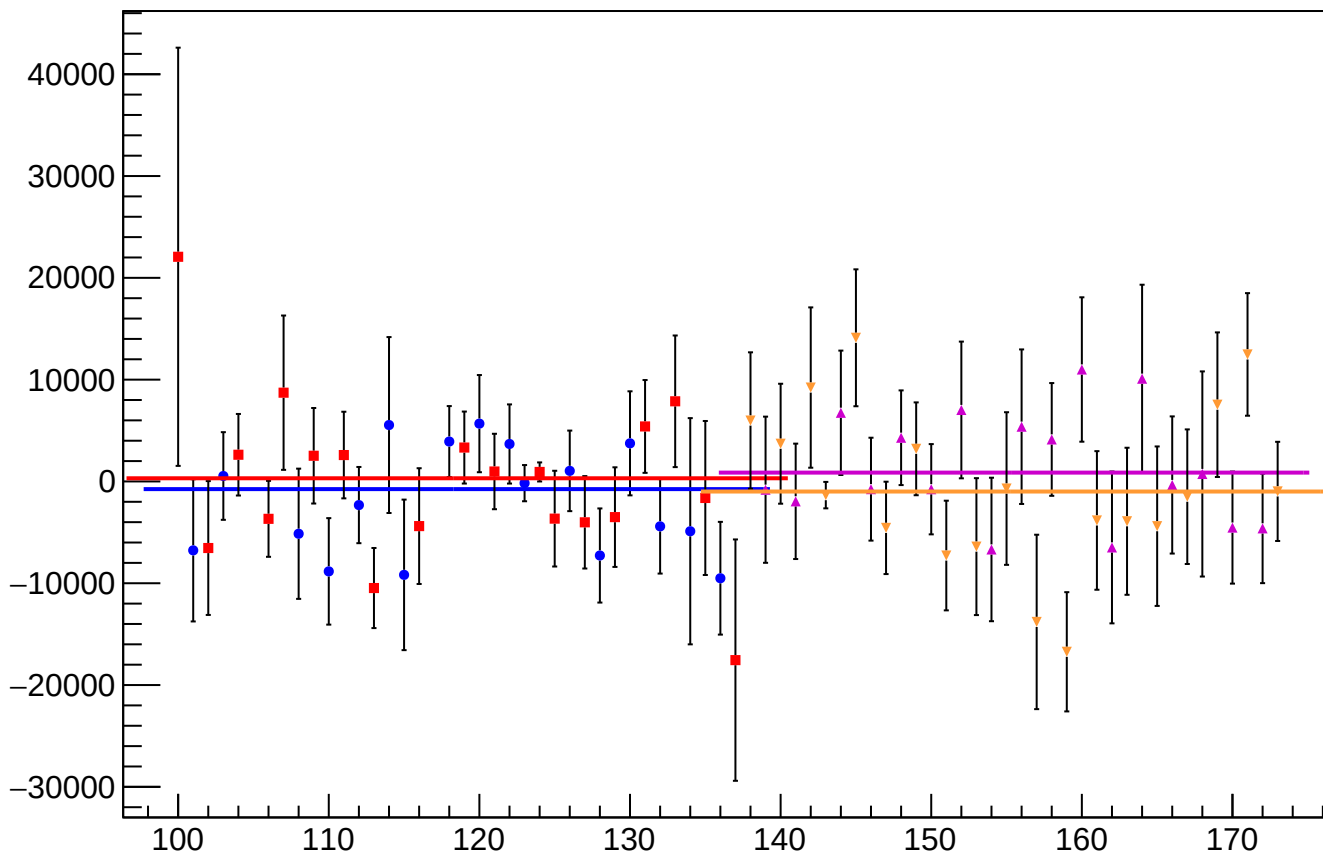
Right: 1773.682+/-0.347 χ^2/NDF : 952527.4/35

In: 1885.261+/-0.302 χ^2/NDF : 762886.1/33

Out: 1886.208+/-0.293 χ^2/NDF : 801984.8/37

All: 1885.750+/-0.210 χ^2/NDF : 1564875.9/71

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428 ± 1008.523 $\chi^2/\text{NDF}: 16.9/16$

Left Out: -990.478 ± 968.870 $\chi^2/\text{NDF}: 28.4/18$

Right Out: 311.405 ± 725.132 $\chi^2/\text{NDF}: 22.0/18$

Left In: 867.500 ± 1482.639 $\chi^2/\text{NDF}: 10.7/16$

Left: -434.488 ± 811.052 $\chi^2/\text{NDF}: 40.3/35$

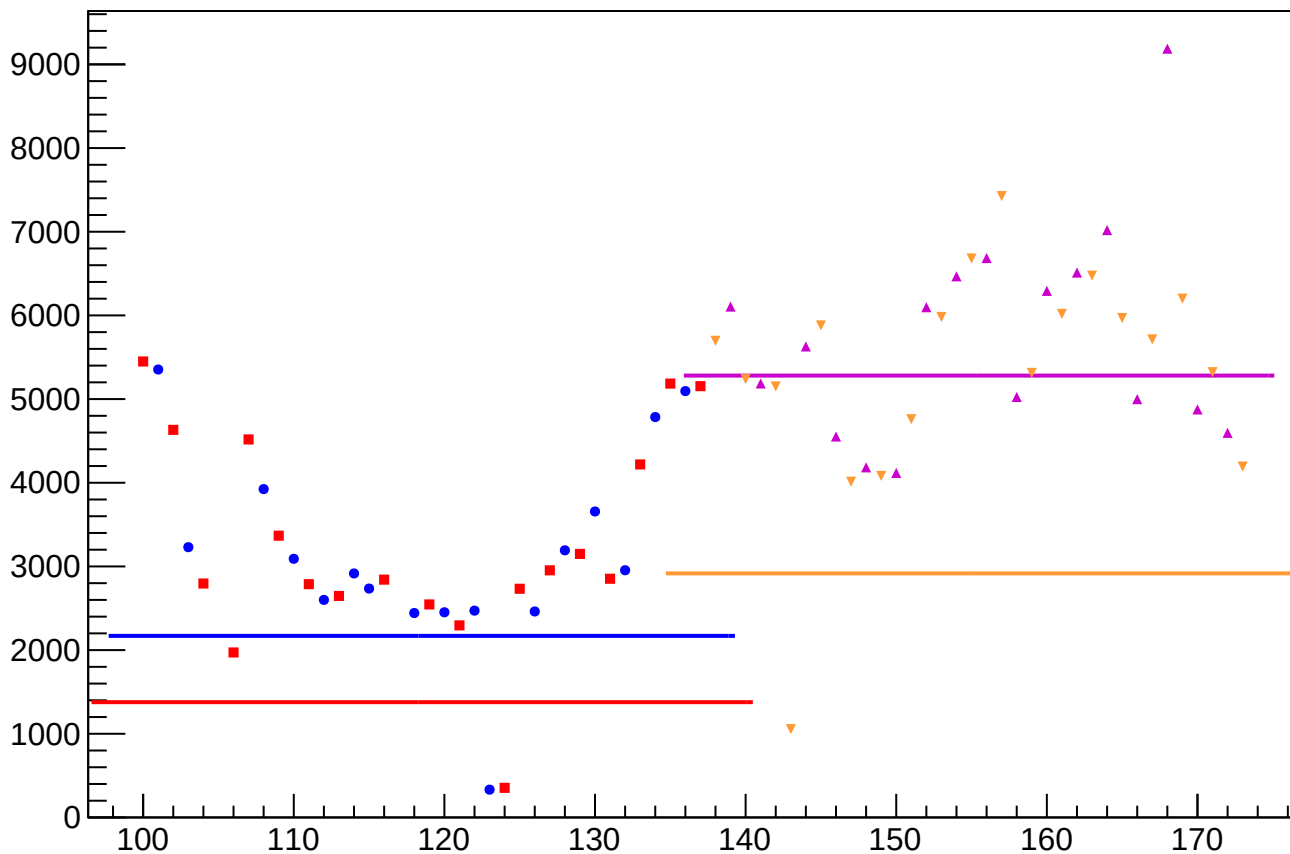
Right: -51.479 ± 588.747 $\chi^2/\text{NDF}: 39.7/35$

In: -240.674 ± 833.888 $\chi^2/\text{NDF}: 28.5/33$

Out: -156.017 ± 580.542 $\chi^2/\text{NDF}: 51.6/37$

All: -183.654 ± 476.451 $\chi^2/\text{NDF}: 80.1/71$

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242+/-0.713 χ^2/NDF : 3973725.5/16

Left Out: 2916.980+/-0.685 χ^2/NDF : 10045675.3/18

Right Out: 1377.716+/-0.513 χ^2/NDF : 6847297.6/18

Left In: 5280.849+/-1.048 χ^2/NDF : 996505.8/16

Left: 3624.356+/-0.574 χ^2/NDF : 14604826.2/35

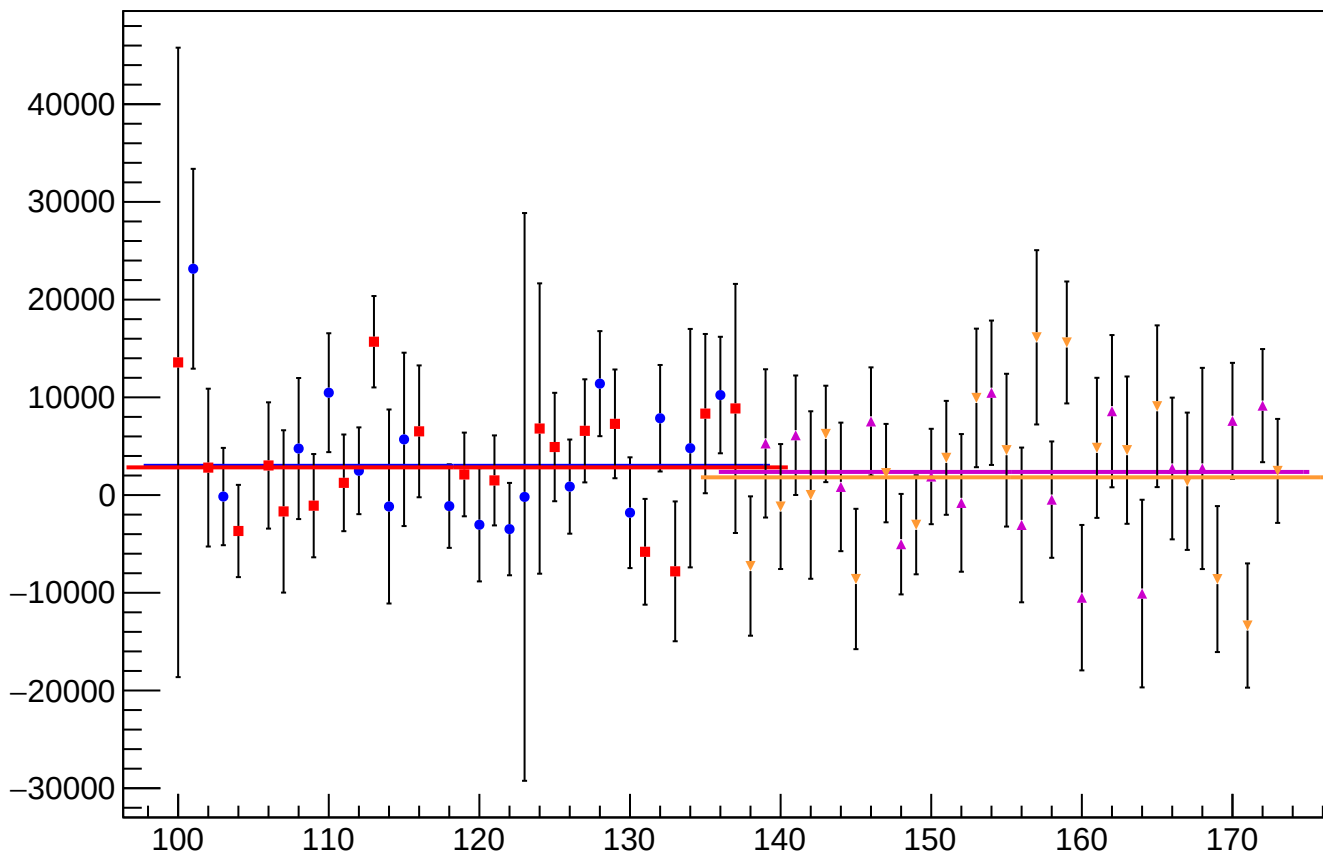
Right: 1647.801+/-0.416 χ^2/NDF : 11635181.2/35

In: 3154.231+/-0.590 χ^2/NDF : 10988811.2/33

Out: 1930.367+/-0.411 χ^2/NDF : 20128607.8/37

All: 2329.900+/-0.337 χ^2/NDF : 34019097.1/70

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 1815.007 $\pm$ 1489.950 χ^2 /NDF: 23.5/18

Right Out: 2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

Left In: 2367.145 $\pm$ 1592.254 χ^2 /NDF: 13.1/16

Left: 2072.770 $\pm$ 1087.924 χ^2 /NDF: 36.6/35

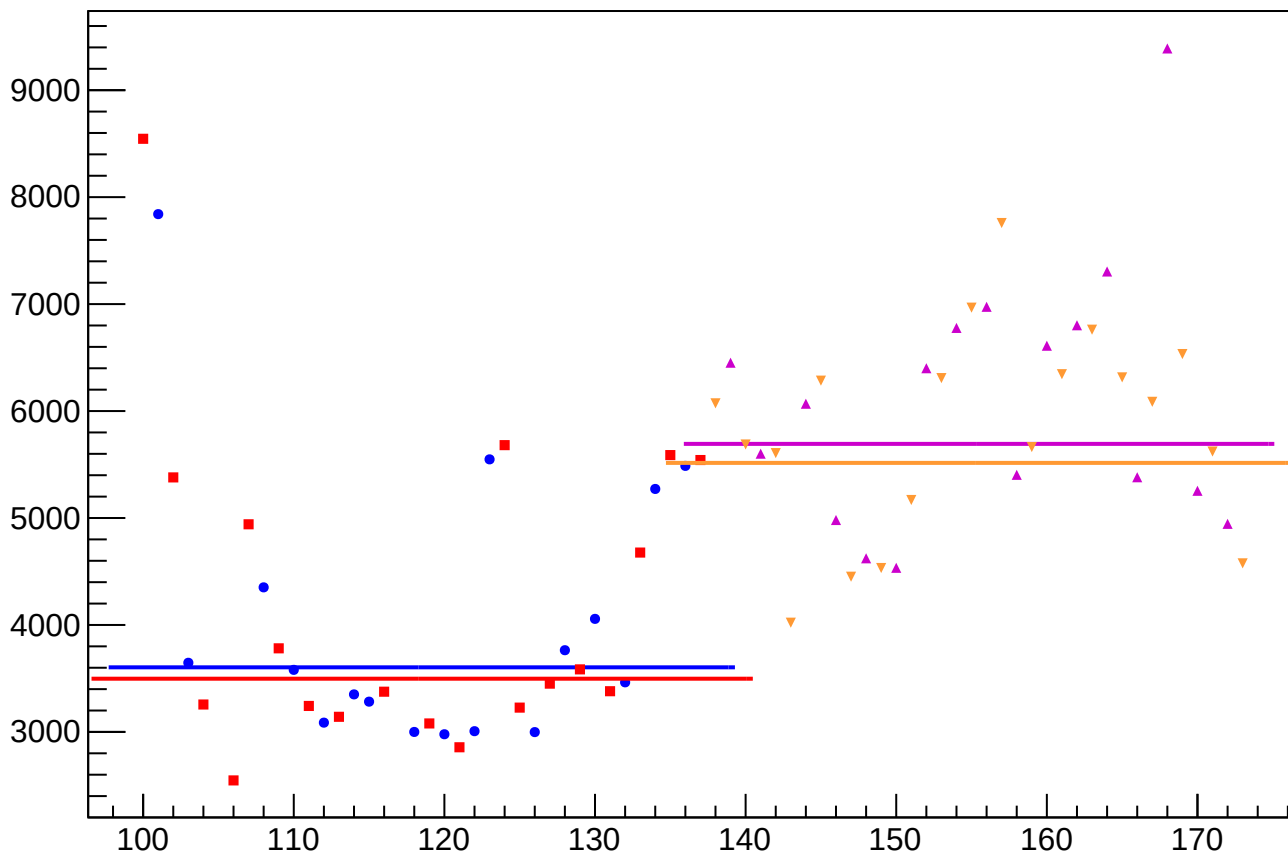
Right: 2909.269 $\pm$ 998.385 χ^2 /NDF: 33.4/35

In: 2709.764 $\pm$ 1070.947 χ^2 /NDF: 28.9/33

Out: 2363.493 $\pm$ 1012.097 χ^2 /NDF: 41.5/37

All: 2526.853 $\pm$ 735.586 χ^2 /NDF: 70.4/71

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930 +/- 1.023 χ^2/NDF : 784674.5/16

Left Out: 5515.339 +/- 1.054 χ^2/NDF : 826681.7/18

Right Out: 3497.586 +/- 0.962 χ^2/NDF : 661898.6/18

Left In: 5693.082 +/- 1.126 χ^2/NDF : 812930.9/16

Left: 5598.317 +/- 0.769 χ^2/NDF : 1652900.1/35

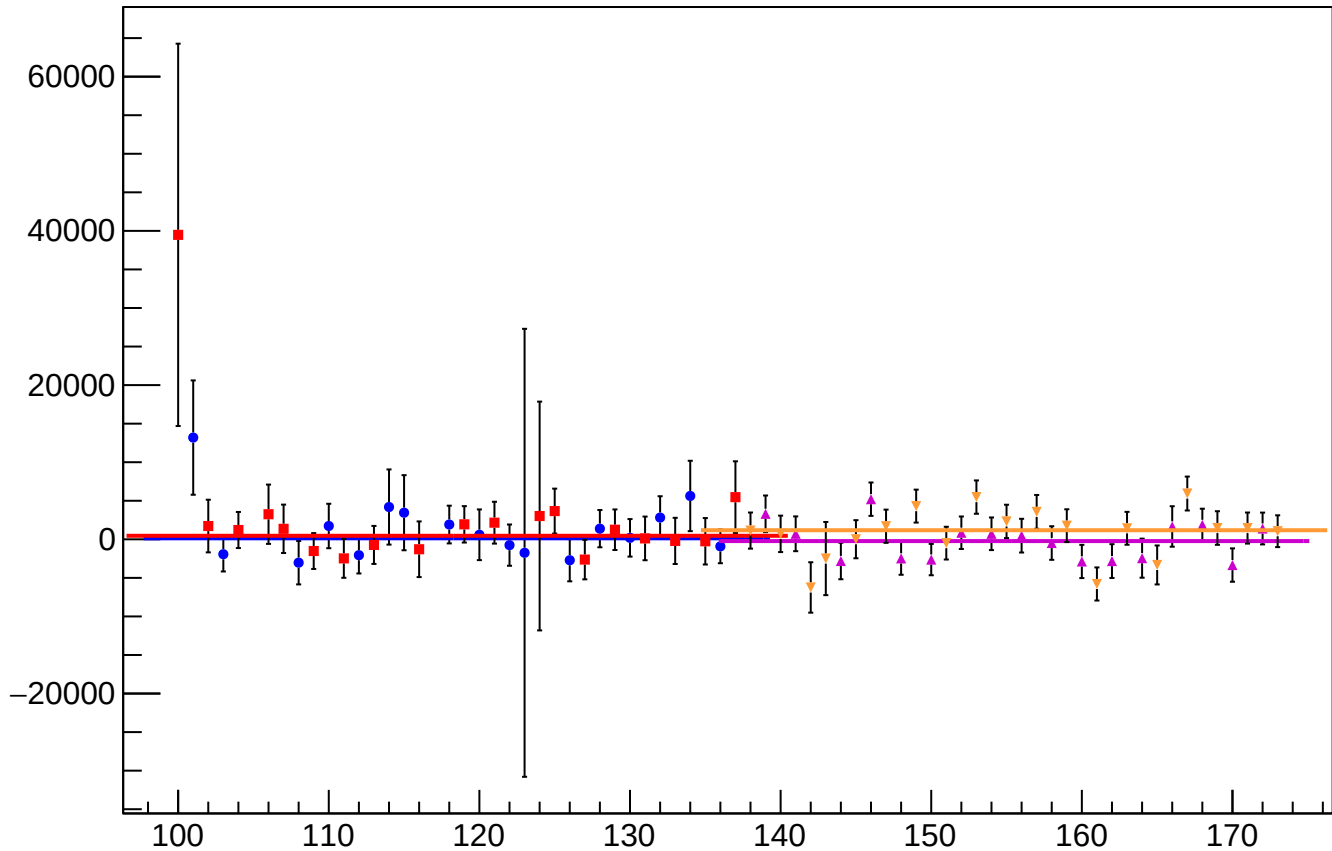
Right: 3547.455 +/- 0.701 χ^2/NDF : 1452308.2/35

In: 4549.032 +/- 0.757 χ^2/NDF : 3483080.5/33

Out: 4414.608 +/- 0.710 χ^2/NDF : 3489528.4/37

All: 4477.517 +/- 0.518 χ^2/NDF : 6989372.6/71

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1178.943 $\pm$ 521.940 χ^2 /NDF:32.8/18

Right Out: 459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

Left In: -228.104 $\pm$ 534.596 χ^2 /NDF:20.9/16

Left: 492.271 $\pm$ 373.462 χ^2 /NDF: 57.2/35

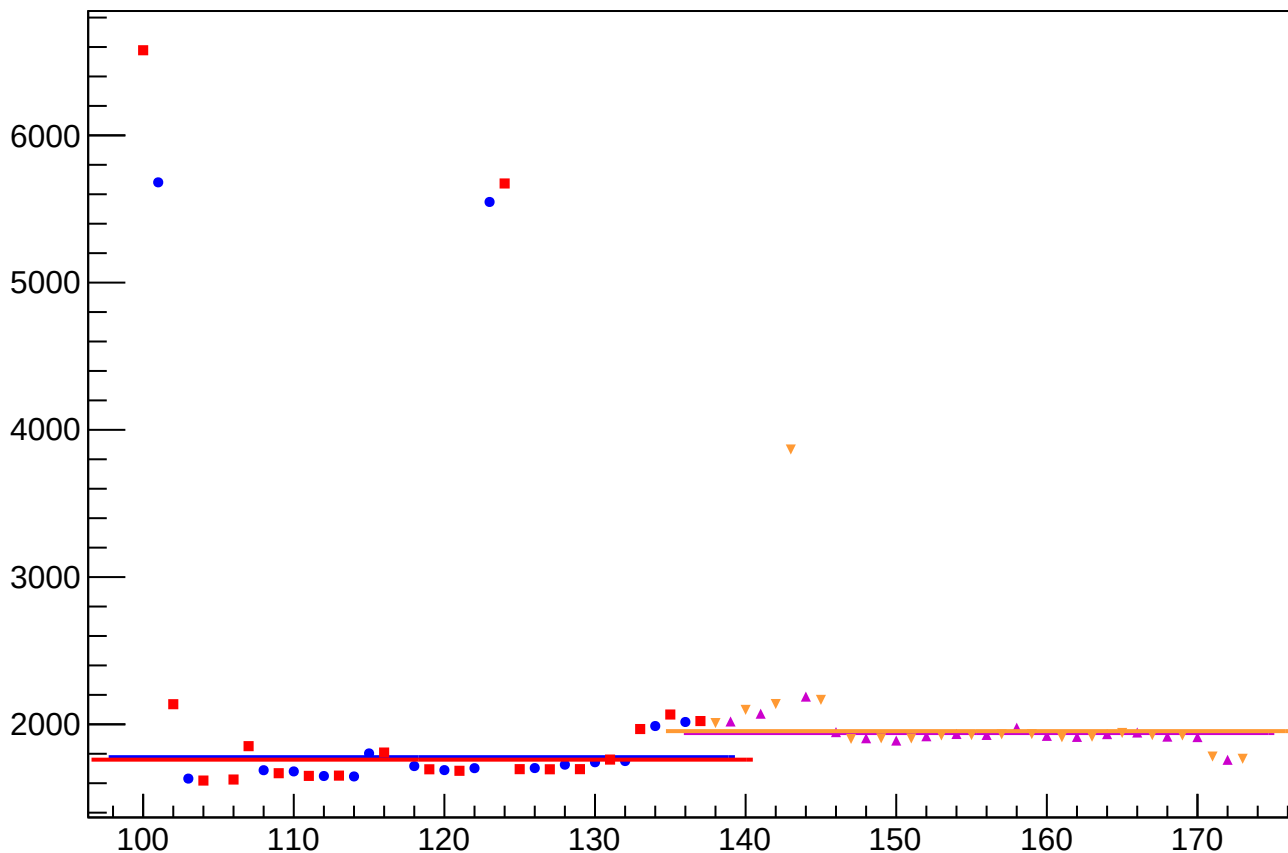
Right: 301.426 $\pm$ 491.524 χ^2 /NDF: 23.0/35

In: -98.022 $\pm$ 426.898 χ^2 /NDF:33.2/33

Out: 912.958 $\pm$ 414.451 χ^2 /NDF:44.2/37

All: 422.421 $\pm$ 297.364 χ^2 /NDF: 80.3/71

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879 $\pm$ 0.501 χ^2/NDF : 643576.8/16

Left Out: 1953.760 $\pm$ 0.369 χ^2/NDF : 392581.1/18

Right Out: 1759.990 $\pm$ 0.479 χ^2/NDF : 306154.6/18

Left In: 1940.671 $\pm$ 0.378 χ^2/NDF : 50092.2/16

Left: 1947.372 $\pm$ 0.264 χ^2/NDF : 443287.2/35

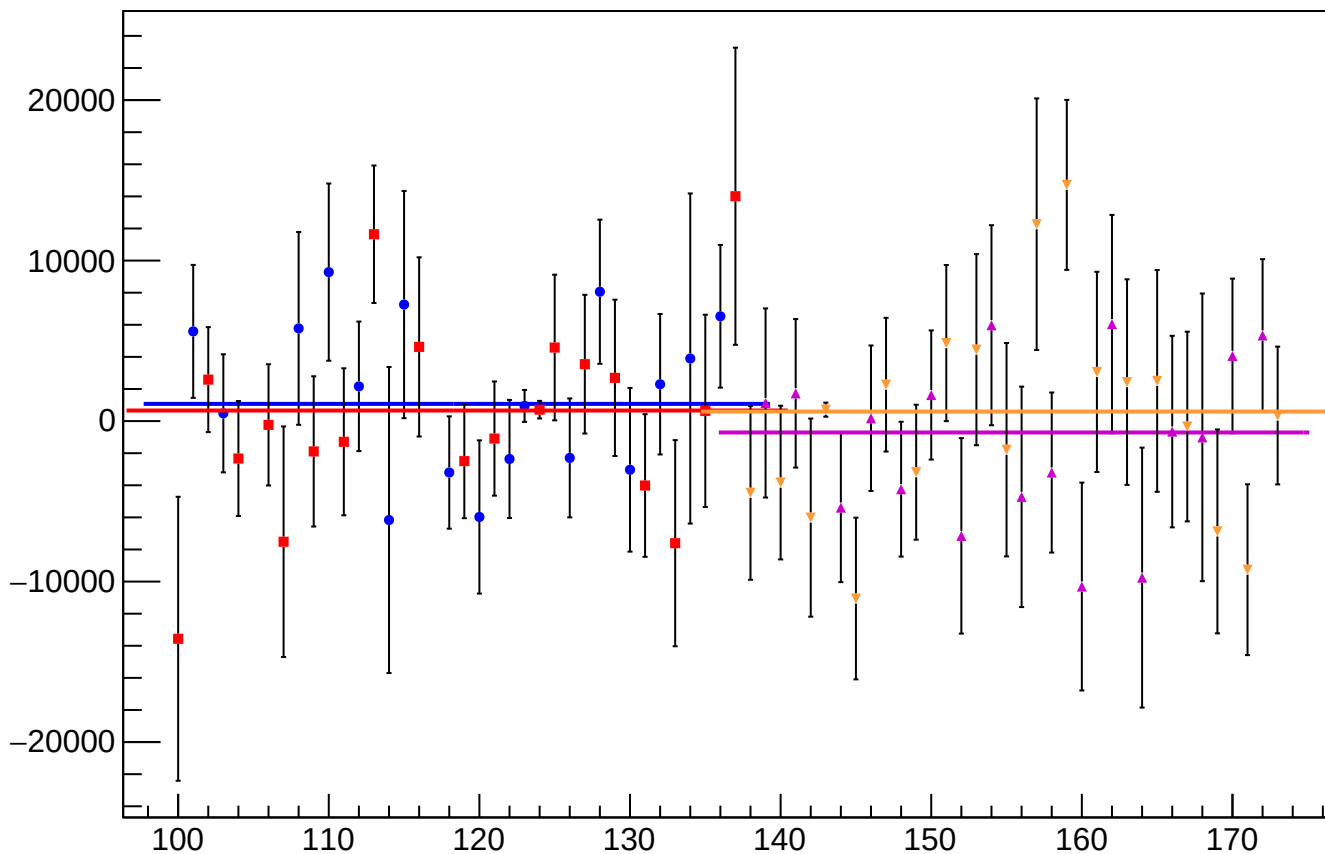
Right: 1768.045 $\pm$ 0.346 χ^2/NDF : 950324.7/35

In: 1881.324 $\pm$ 0.302 χ^2/NDF : 761693.8/33

Out: 1881.551 $\pm$ 0.292 χ^2/NDF : 801459.4/37

All: 1881.441 $\pm$ 0.210 χ^2/NDF : 1563153.5/71

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 594.332+/-414.951 χ^2/NDF : 25.1/18

Right Out: 658.759+/-488.034 χ^2/NDF : 19.8/18

Left In: -709.713+/-1299.957 χ^2/NDF : 12.4/16

Left: 473.748+/-395.300 χ^2/NDF : 38.3/35

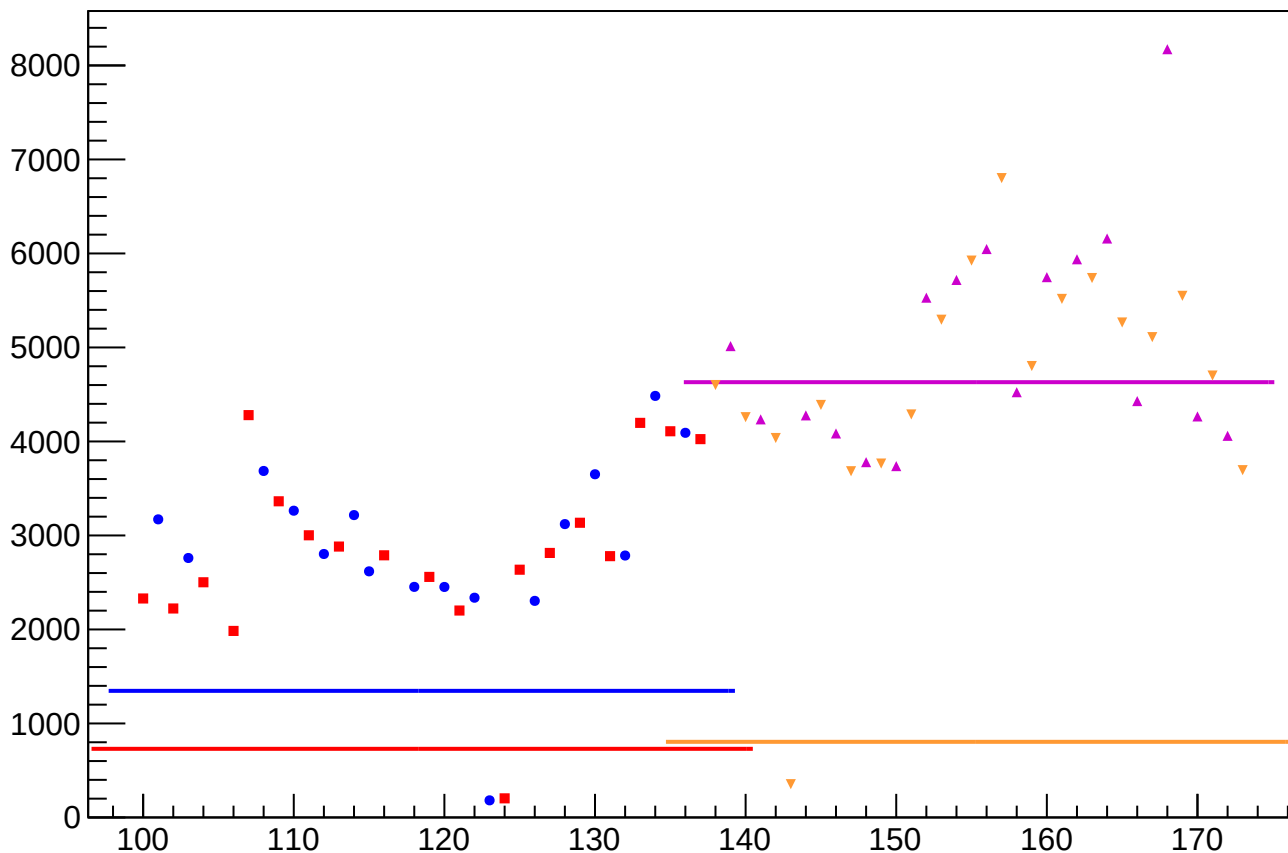
Right: 781.219+/-409.424 χ^2/NDF : 35.6/35

In: 625.160+/-651.114 χ^2/NDF : 29.3/33

Out: 621.365+/-316.128 χ^2/NDF : 44.9/37

All: 622.089+/-284.382 χ^2/NDF : 74.2/71

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 804.609 $\pm$ 0.293 χ^2 /NDF: 20616357.2/18

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

Left In: 4630.598 $\pm$ 0.919 χ^2 /NDF: 994443.1/16

Left: 1158.395 $\pm$ 0.280 χ^2 /NDF: 37333264.1/35

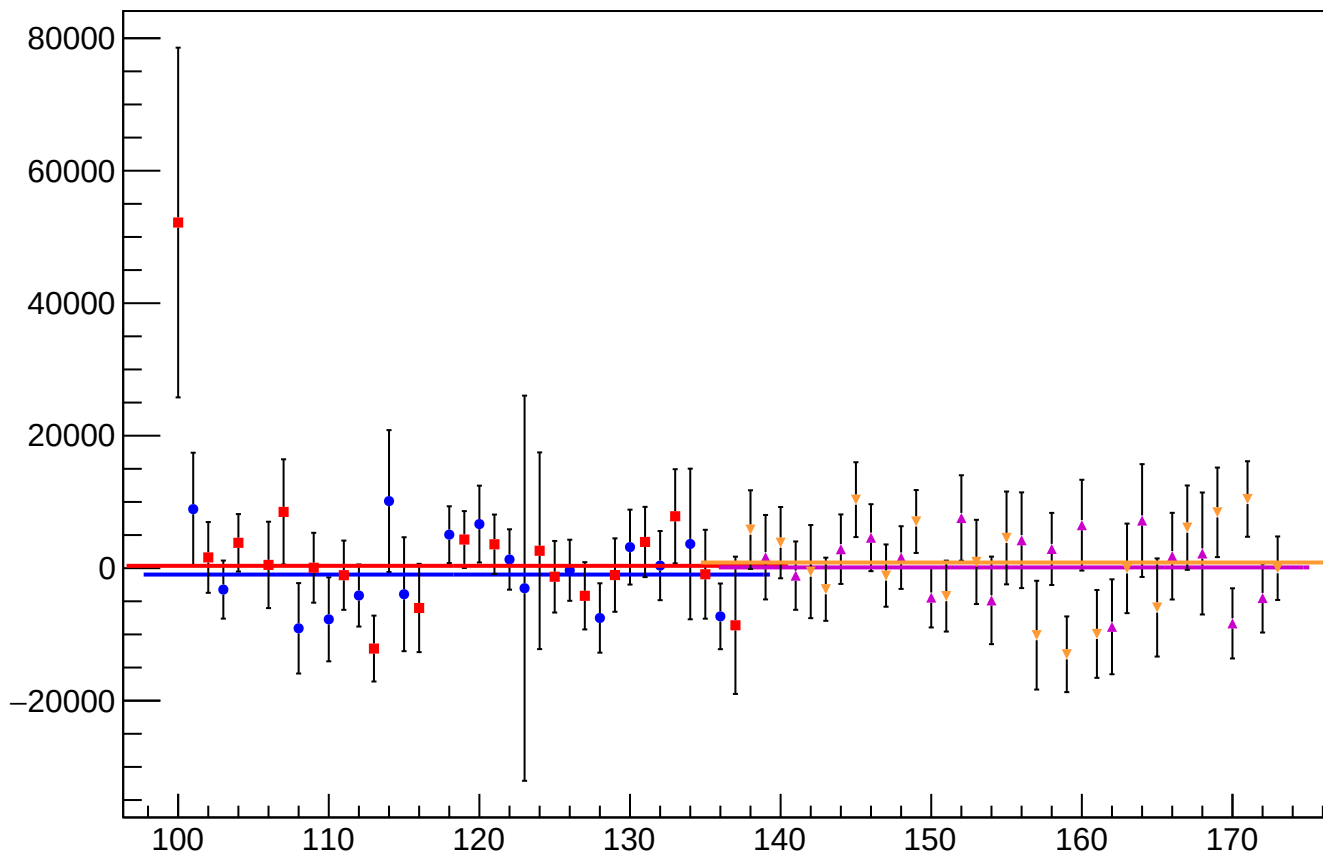
Right: 912.792 $\pm$ 0.290 χ^2 /NDF: 17288237.9/35

In: 2170.646 $\pm$ 0.460 χ^2 /NDF: 17393821.6/33

Out: 773.354 $\pm$ 0.224 χ^2 /NDF: 30146527.5/37

All: 1039.903 $\pm$ 0.201 χ^2 /NDF: 54993976.4/7

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: 856.366+/-1339.538 χ^2/NDF : 23.6/18

Right Out: 354.646+/-1329.760 χ^2/NDF : 17.6/18

Left In: 114.524+/-1423.528 χ^2/NDF : 11.4/16

Left: 507.974+/-975.538 χ^2/NDF : 35.1/35

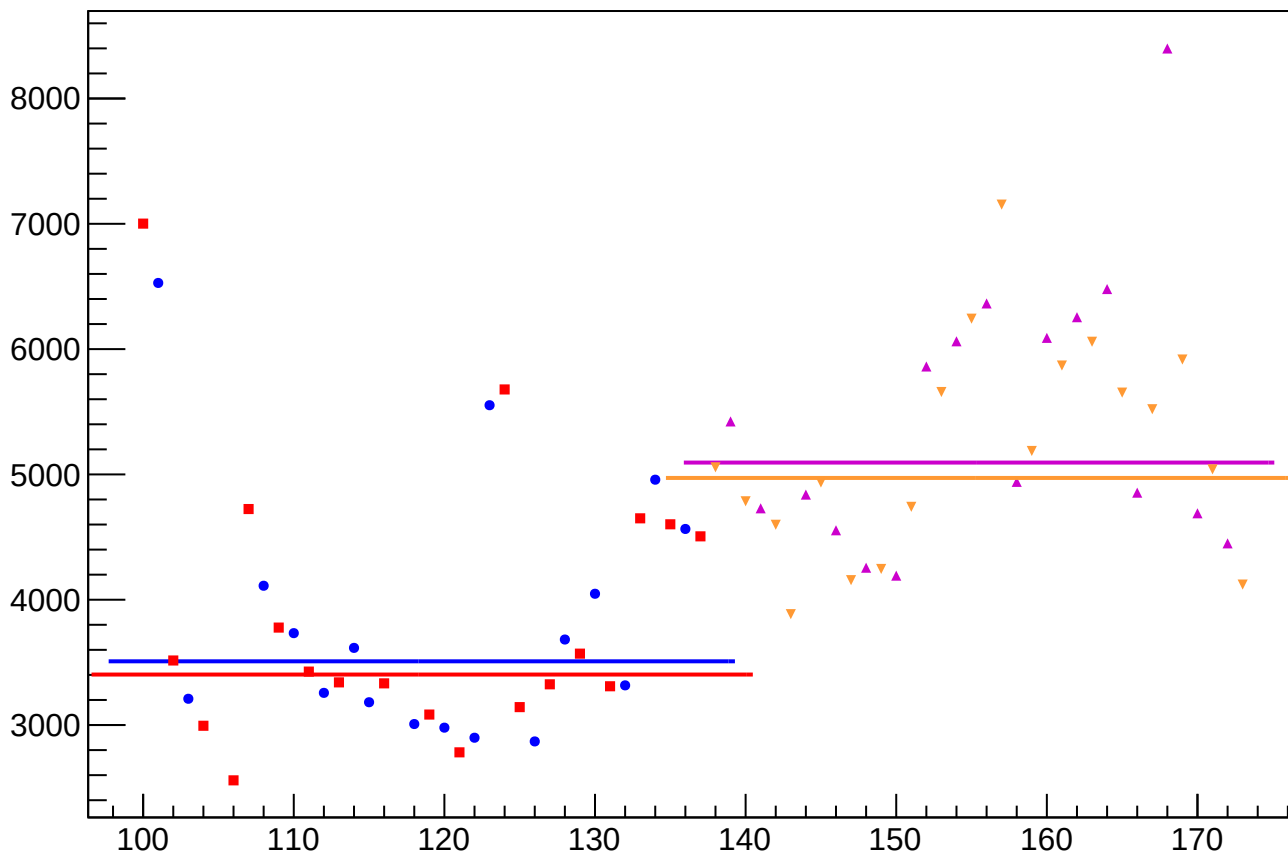
Right: -272.899+/-962.726 χ^2/NDF : 31.8/35

In: -435.489+/-996.575 χ^2/NDF : 25.4/33

Out: 603.668+/-943.721 χ^2/NDF : 41.3/37

All: 112.376+/-685.235 χ^2/NDF : 67.3/71

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 4971.872+/-0.947 χ^2/NDF : 678971.4/18

Right Out: 3402.883+/-0.928 χ^2/NDF : 428556.1/18

Left In: 5094.562+/-1.007 χ^2/NDF : 770489.2/16

Left: 5029.491+/-0.690 χ^2/NDF : 1457340.0/35

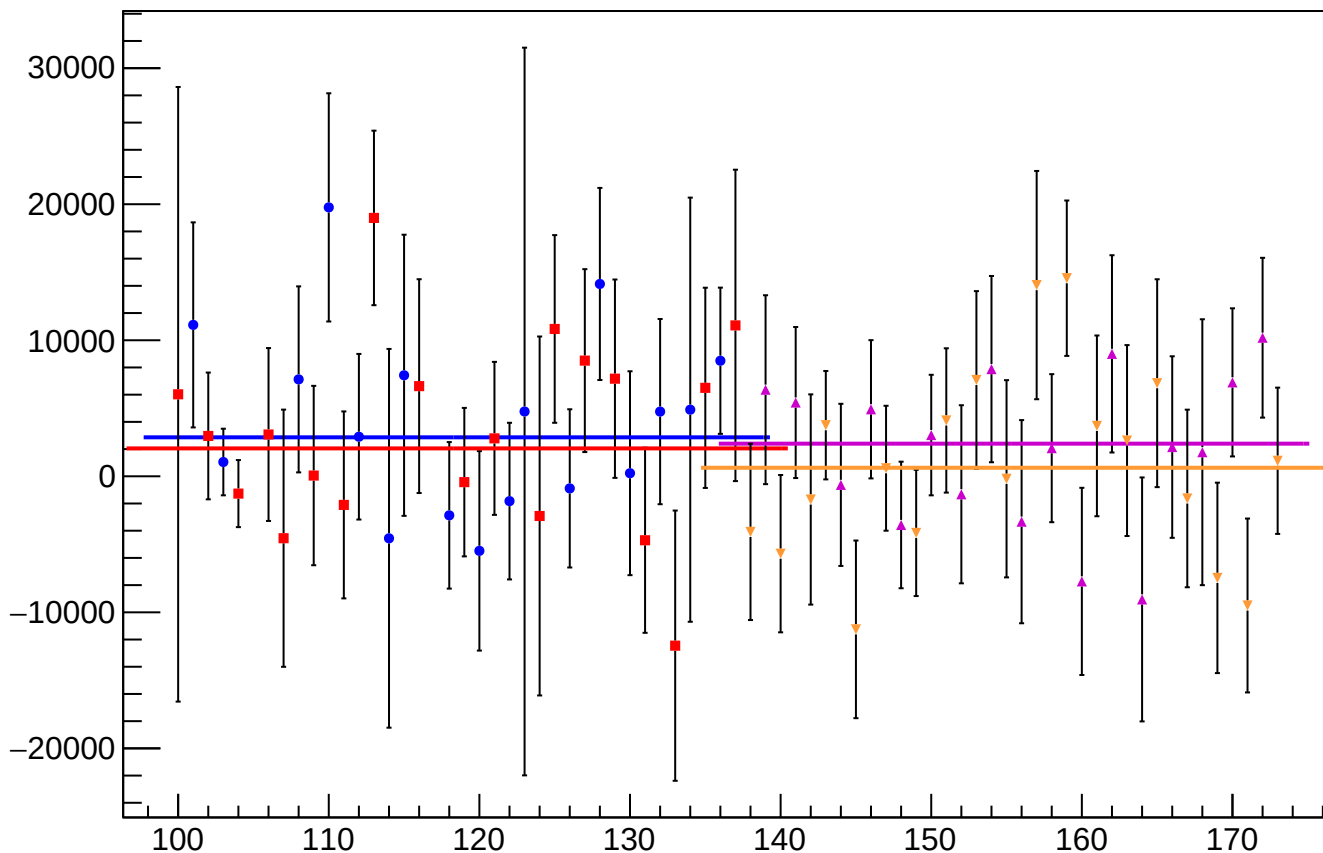
Right: 3452.447+/-0.676 χ^2/NDF : 996829.8/35

In: 4285.821+/-0.705 χ^2/NDF : 2598681.6/33

Out: 4171.412+/-0.663 χ^2/NDF : 2507371.2/37

All: 4225.126+/-0.483 χ^2/NDF : 5120036.6/71

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 627.202+/-1364.958 χ^2/NDF : 21.7/18

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 2398.540+/-1471.492 χ^2/NDF : 11.4/16

Left: 1446.435+/-1000.717 χ^2/NDF : 33.9/35

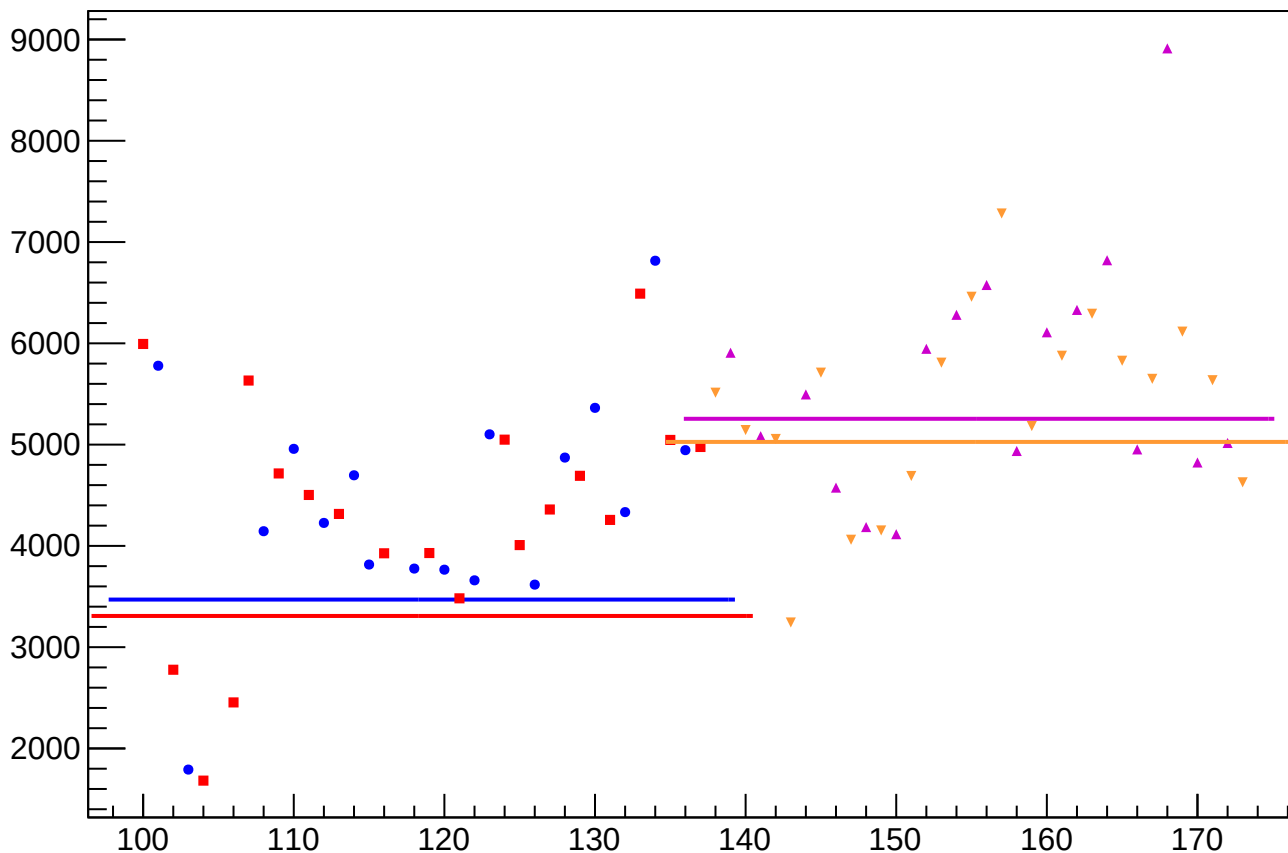
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2634.658+/-1033.779 χ^2/NDF : 25.5/33

Out: 1330.591+/-970.993 χ^2/NDF : 39.9/37

All: 1941.824+/-707.752 χ^2/NDF : 66.3/71

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 5026.714 $\pm$ 0.965 χ^2 /NDF:1070617.5/18

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5254.962 $\pm$ 1.041 χ^2 /NDF:868949.4/16

Left: 5132.277 $\pm$ 0.708 χ^2 /NDF: 1965431.8/35

Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4350.984 $\pm$ 0.731 χ^2 /NDF:4120167.1/33

Out: 4169.990 $\pm$ 0.683 χ^2 /NDF:4561824.9/37

All: 4254.415 $\pm$ 0.499 χ^2 /NDF: 8714702.5/71

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

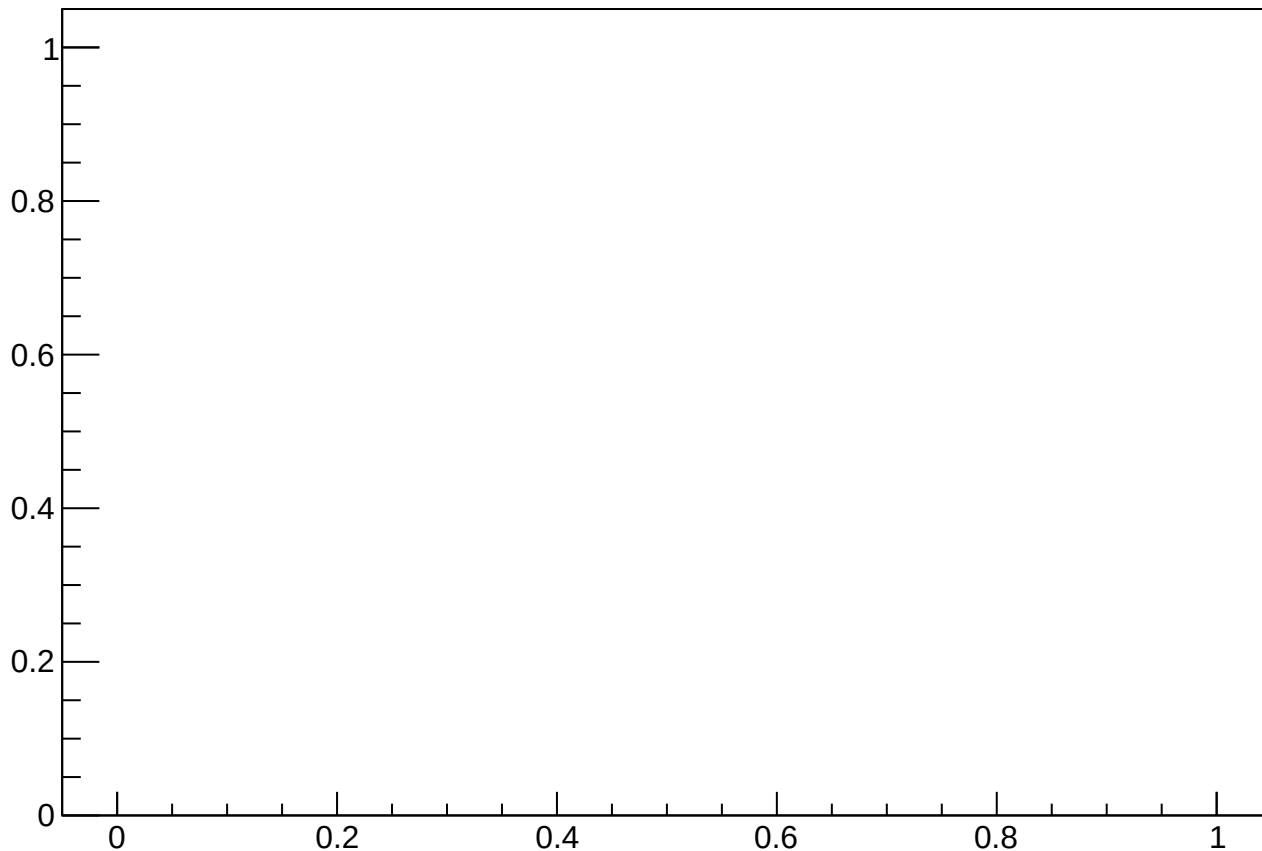
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

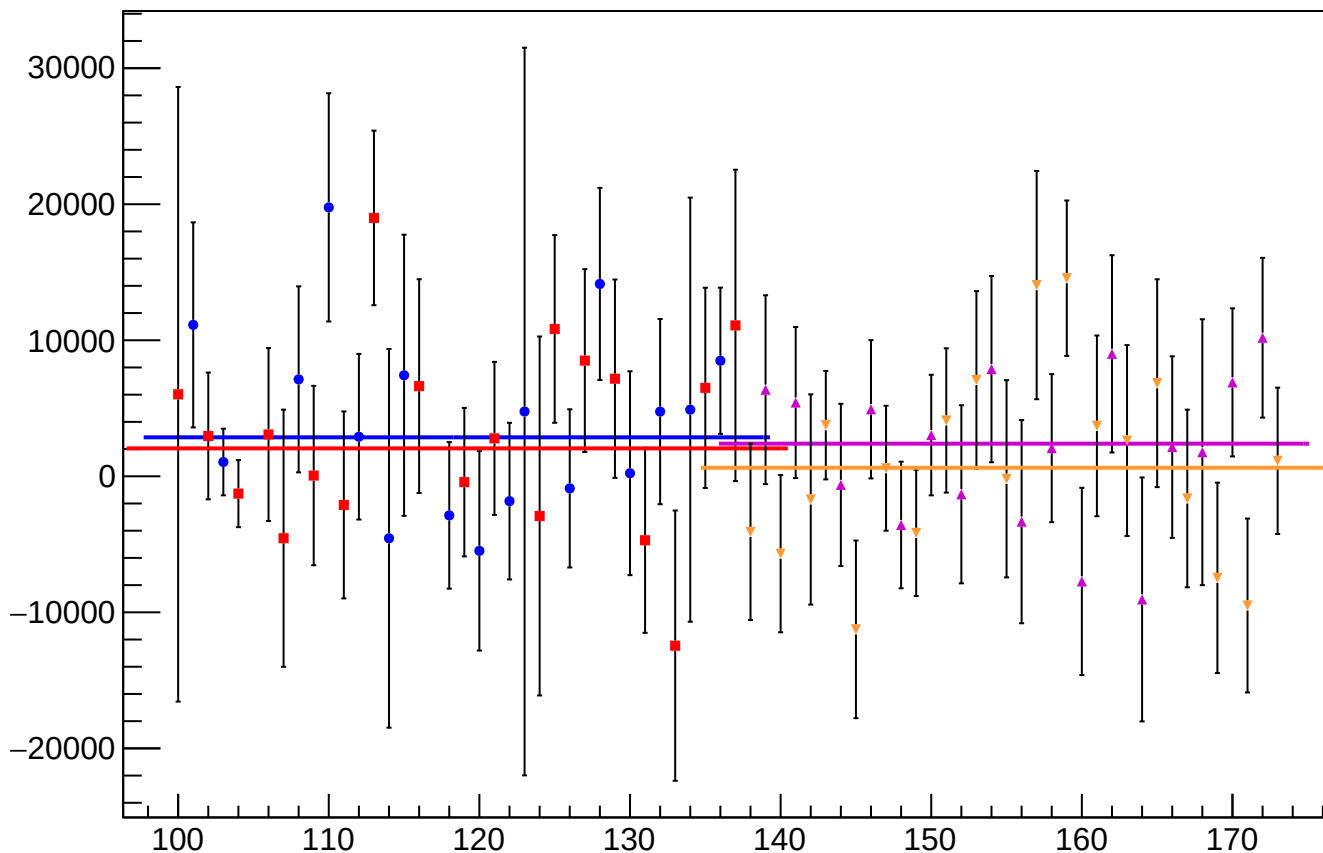
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 627.202+/-1364.958 χ^2/NDF : 21.7/18

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 2398.540+/-1471.492 χ^2/NDF : 11.4/16

Left: 1446.435+/-1000.717 χ^2/NDF : 33.9/35

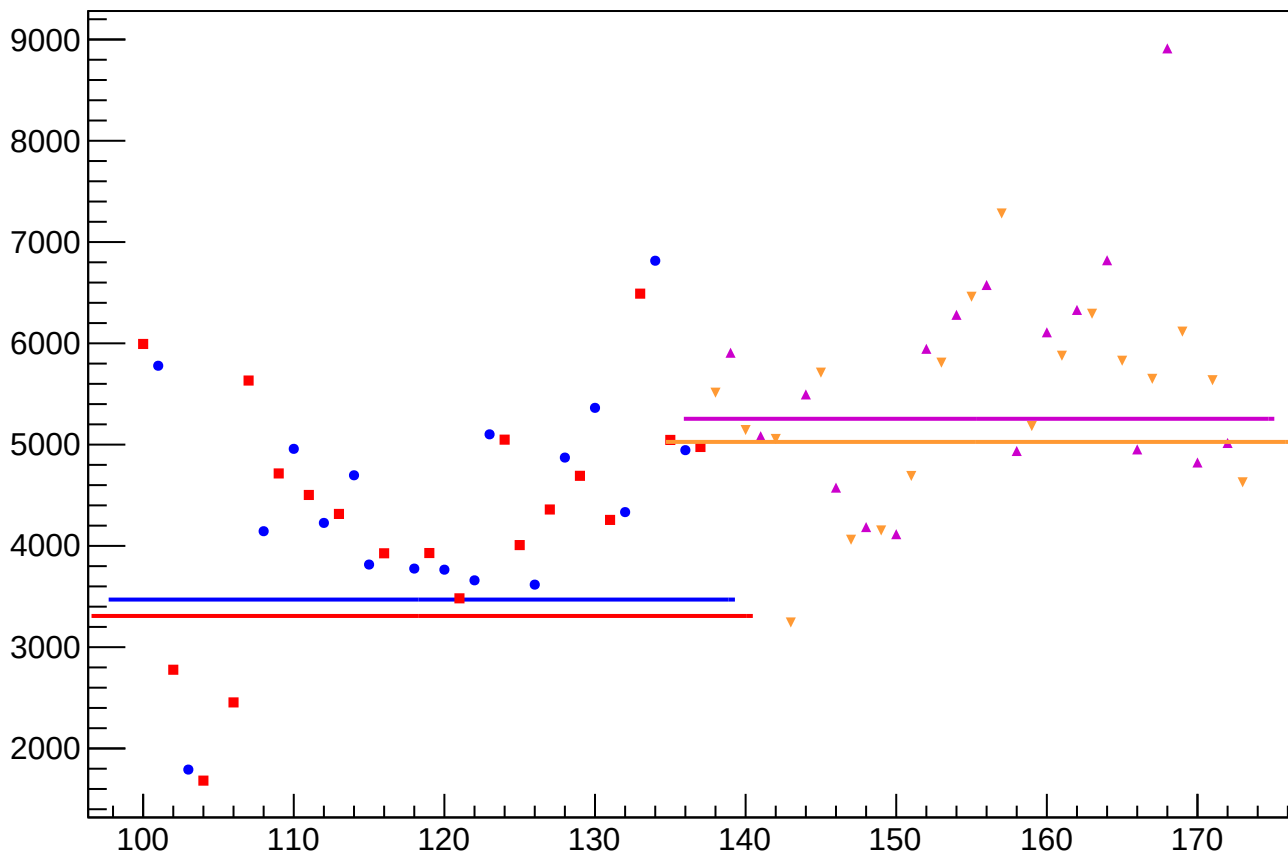
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2634.658+/-1033.779 χ^2/NDF : 25.5/33

Out: 1330.591+/-970.993 χ^2/NDF : 39.9/37

All: 1941.824+/-707.752 χ^2/NDF : 66.3/71

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 5026.714 $\pm$ 0.965 χ^2 /NDF:1070617.5/18

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5254.962 $\pm$ 1.041 χ^2 /NDF:868949.4/16

Left: 5132.277 $\pm$ 0.708 χ^2 /NDF: 1965431.8/35

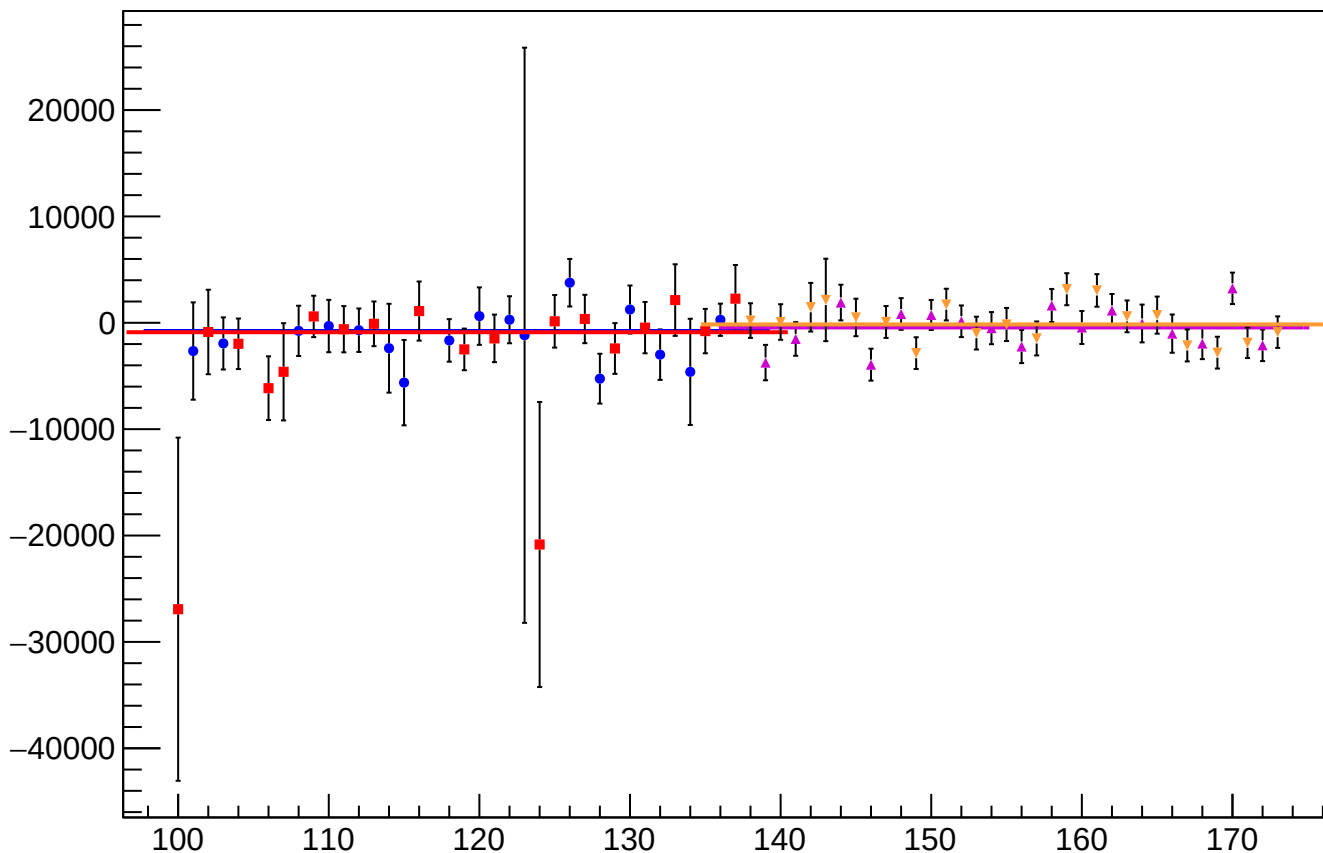
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4350.984 $\pm$ 0.731 χ^2 /NDF:4120167.1/33

Out: 4169.990 $\pm$ 0.683 χ^2 /NDF:4561824.9/37

All: 4254.415 $\pm$ 0.499 χ^2 /NDF: 8714702.5/71

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -153.371+/-368.704 χ^2/NDF :23.1/18

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -438.779+/-376.286 χ^2/NDF :26.2/16

Left: -293.170+/-263.353 χ^2/NDF : 49.6/35

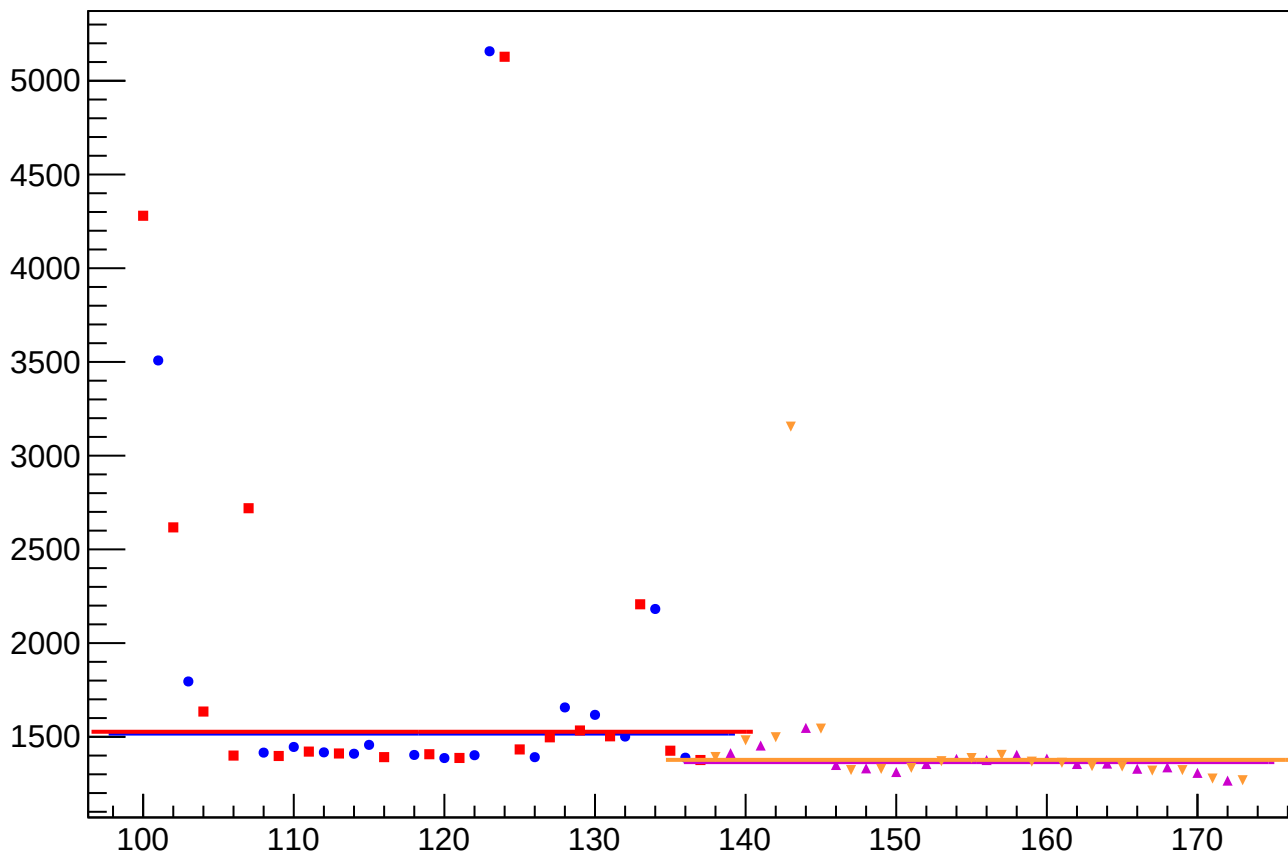
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -531.779+/-319.332 χ^2/NDF :39.7/33

Out: -356.377+/-313.416 χ^2/NDF :37.7/37

All: -442.438+/-223.681 χ^2/NDF : 77.5/71

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1377.017+/-0.261 χ^2/NDF : 487309.2/18

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1365.039+/-0.266 χ^2/NDF : 51118.4/16

Left: 1371.150+/-0.186 χ^2/NDF : 539461.4/35

Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1407.653+/-0.226 χ^2/NDF : 679450.3/33

Out: 1418.627+/-0.222 χ^2/NDF : 1210810.3/37

All: 1413.242+/-0.158 χ^2/NDF : 1891463.7/71

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

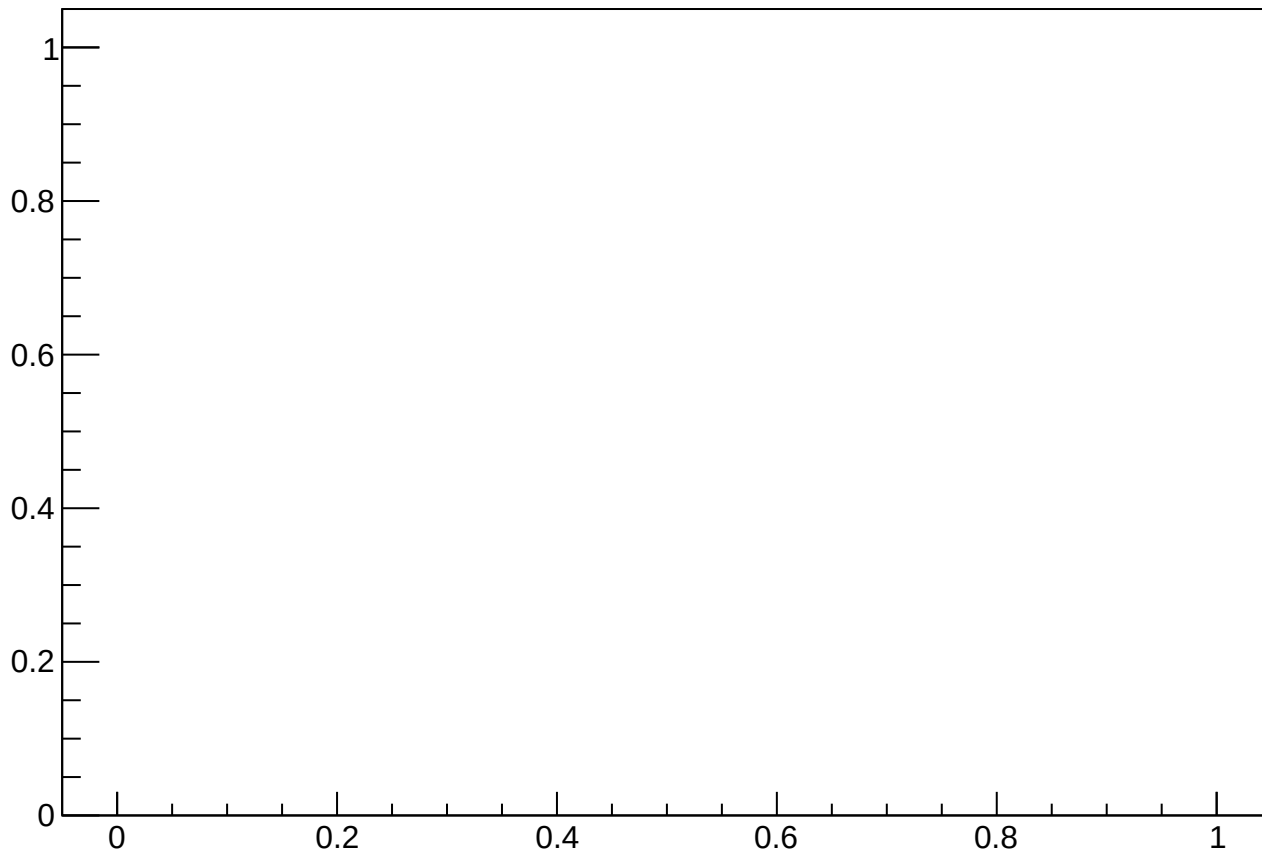
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

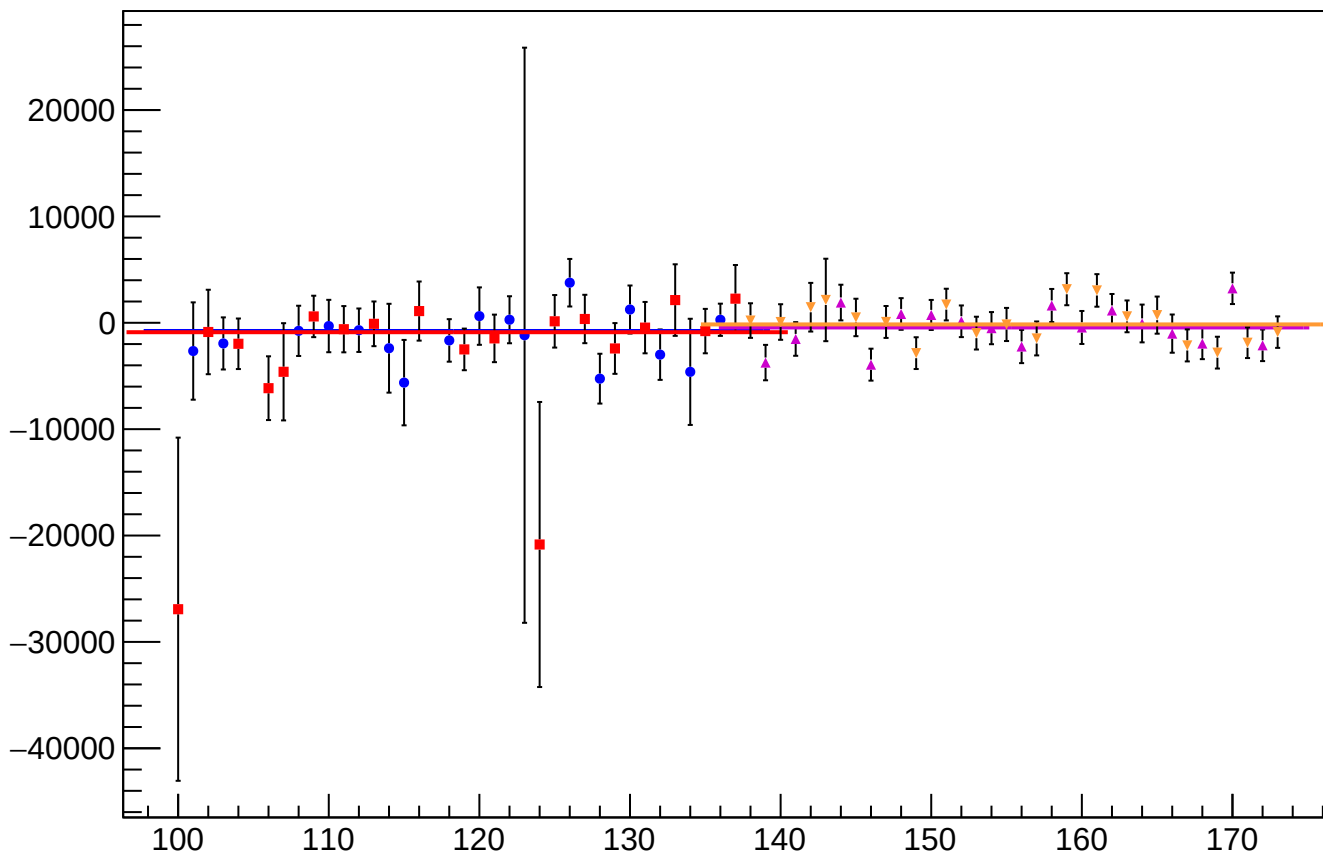
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -153.371+/-368.704 χ^2/NDF :23.1/18

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -438.779+/-376.286 χ^2/NDF :26.2/16

Left: -293.170+/-263.353 χ^2/NDF : 49.6/35

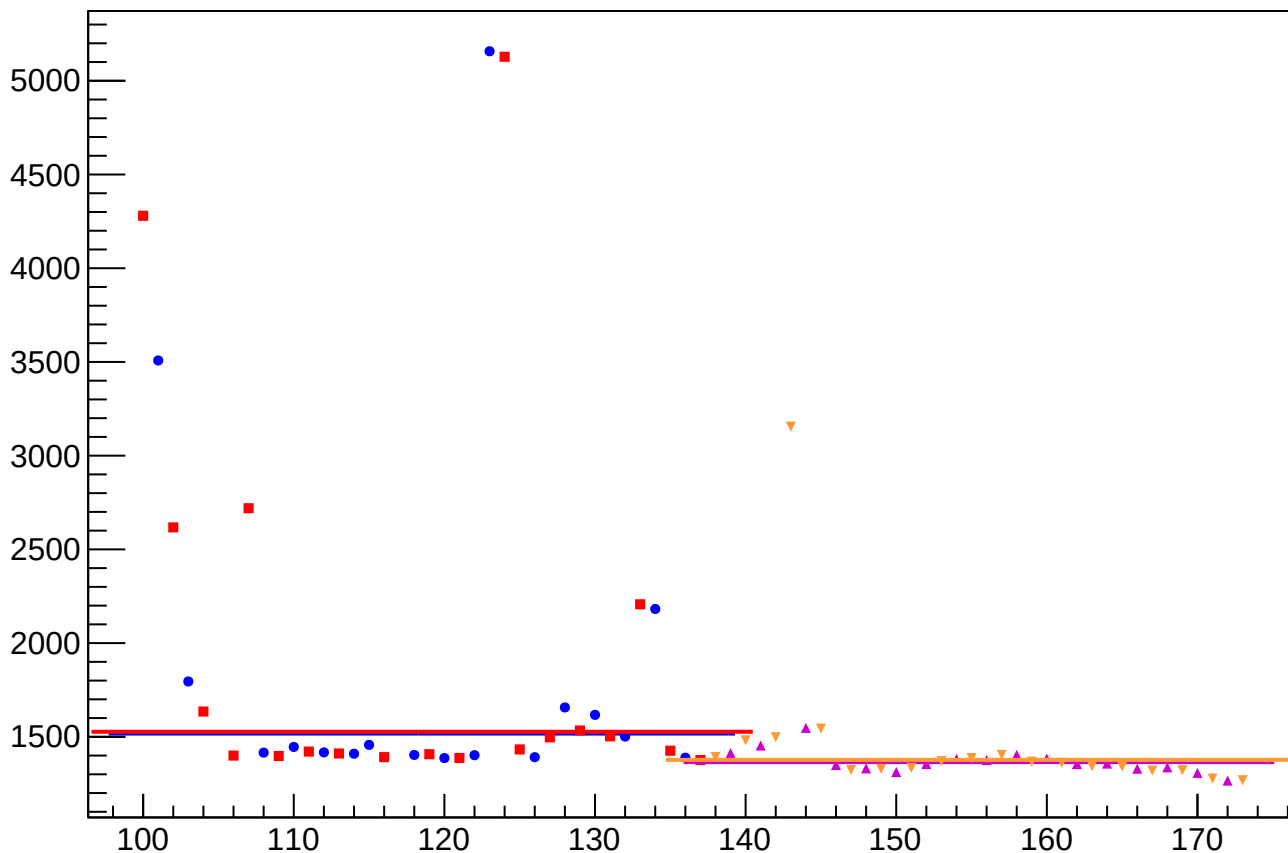
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -531.779+/-319.332 χ^2/NDF :39.7/33

Out: -356.377+/-313.416 χ^2/NDF :37.7/37

All: -442.438+/-223.681 χ^2/NDF : 77.5/71

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1377.017+/-0.261 χ^2/NDF : 487309.2/18

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1365.039+/-0.266 χ^2/NDF : 51118.4/16

Left: 1371.150+/-0.186 χ^2/NDF : 539461.4/35

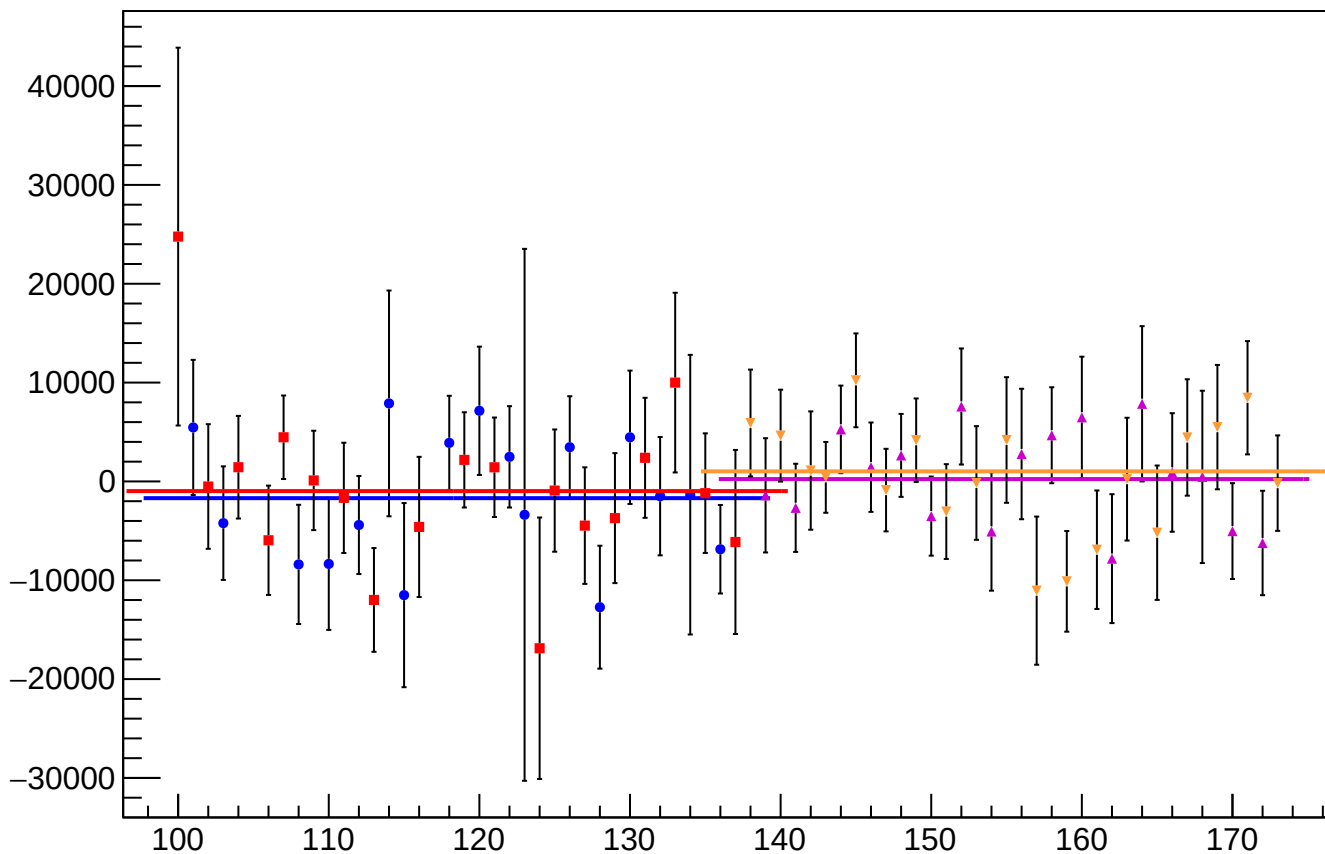
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1407.653+/-0.226 χ^2/NDF : 679450.3/33

Out: 1418.627+/-0.222 χ^2/NDF : 1210810.3/37

All: 1413.242+/-0.158 χ^2/NDF : 1891463.7/71

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 1018.883 $\pm$ 1193.732 χ^2 /NDF:19.6/18

Right Out: -977.899 $\pm$ 1378.874 χ^2 /NDF: 13.9/18

Left In: 236.596 $\pm$ 1283.326 χ^2 /NDF:12.6/16

Left: 655.998 $\pm$ 874.055 χ^2 /NDF: 32.3/35

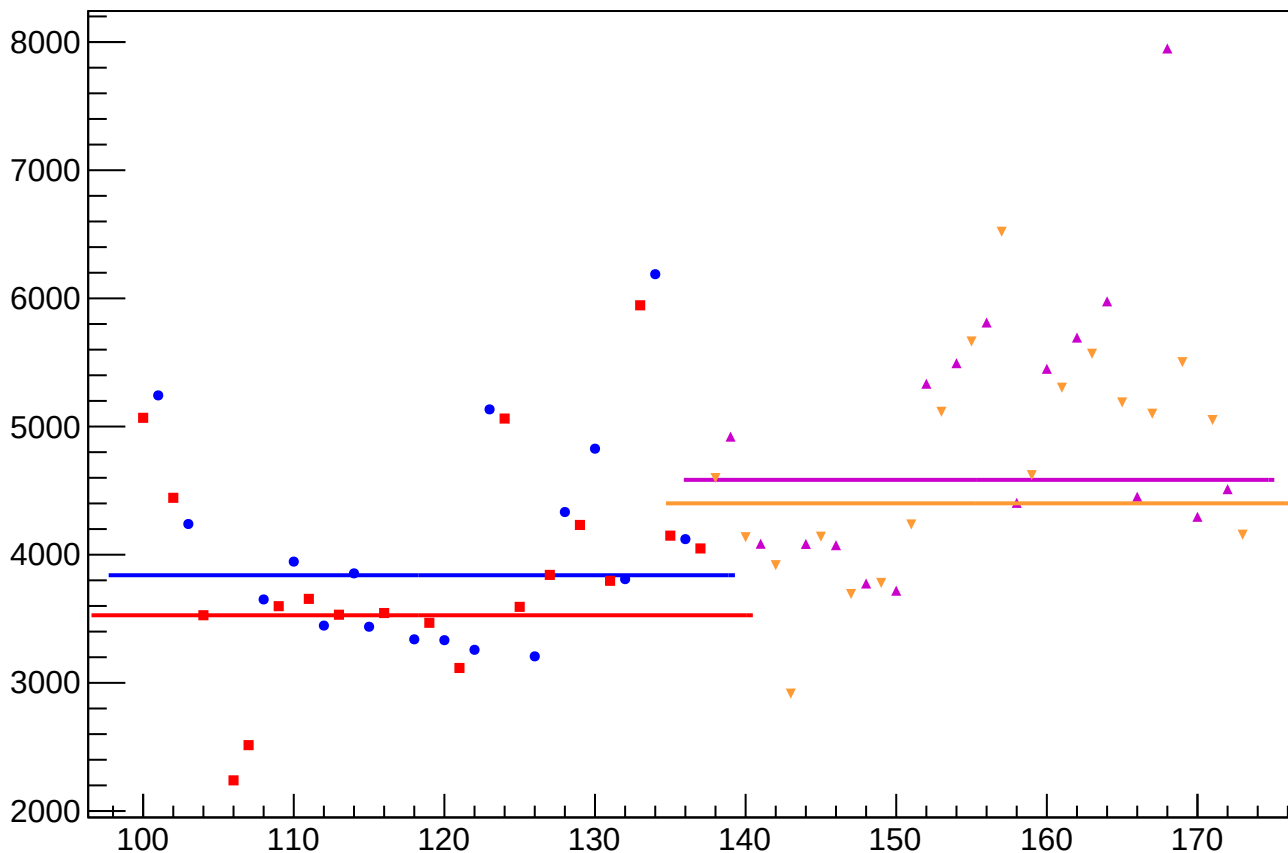
Right: -1302.190 $\pm$ 1019.117 χ^2 /NDF: 29.9/35

In: -570.653 $\pm$ 978.668 χ^2 /NDF:29.4/33

Out: 163.454 $\pm$ 902.509 χ^2 /NDF:34.7/37

All: -173.928 $\pm$ 663.463 χ^2 /NDF: 64.4/71

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4400.810+/-0.844 χ^2/NDF : 1011295.1/18

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4584.020+/-0.907 χ^2/NDF : 868589.8/16

Left: 4485.797+/-0.618 χ^2/NDF : 1901738.3/35

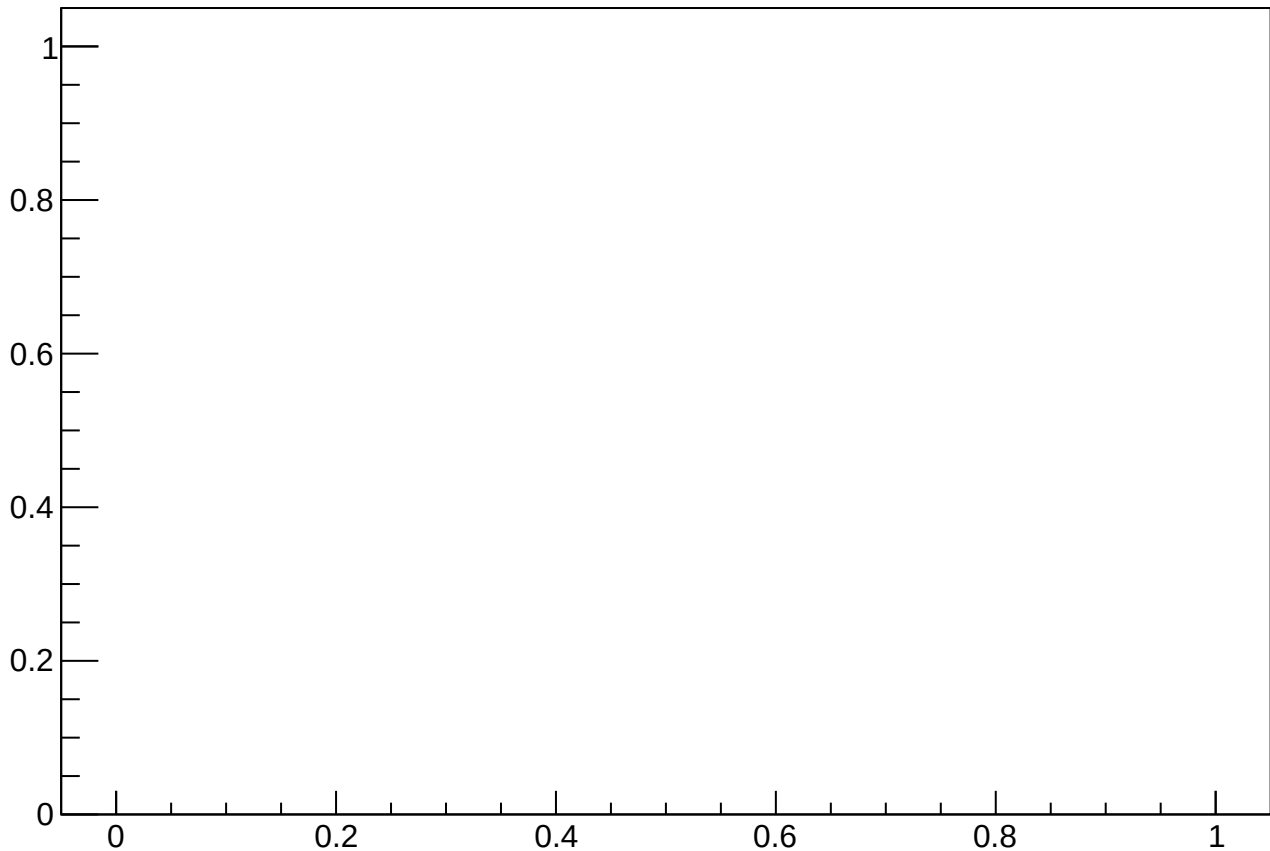
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4272.581+/-0.692 χ^2/NDF : 1476036.4/33

Out: 4022.692+/-0.636 χ^2/NDF : 2029635.5/37

All: 4137.050+/-0.468 χ^2/NDF : 3576393.8/71

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

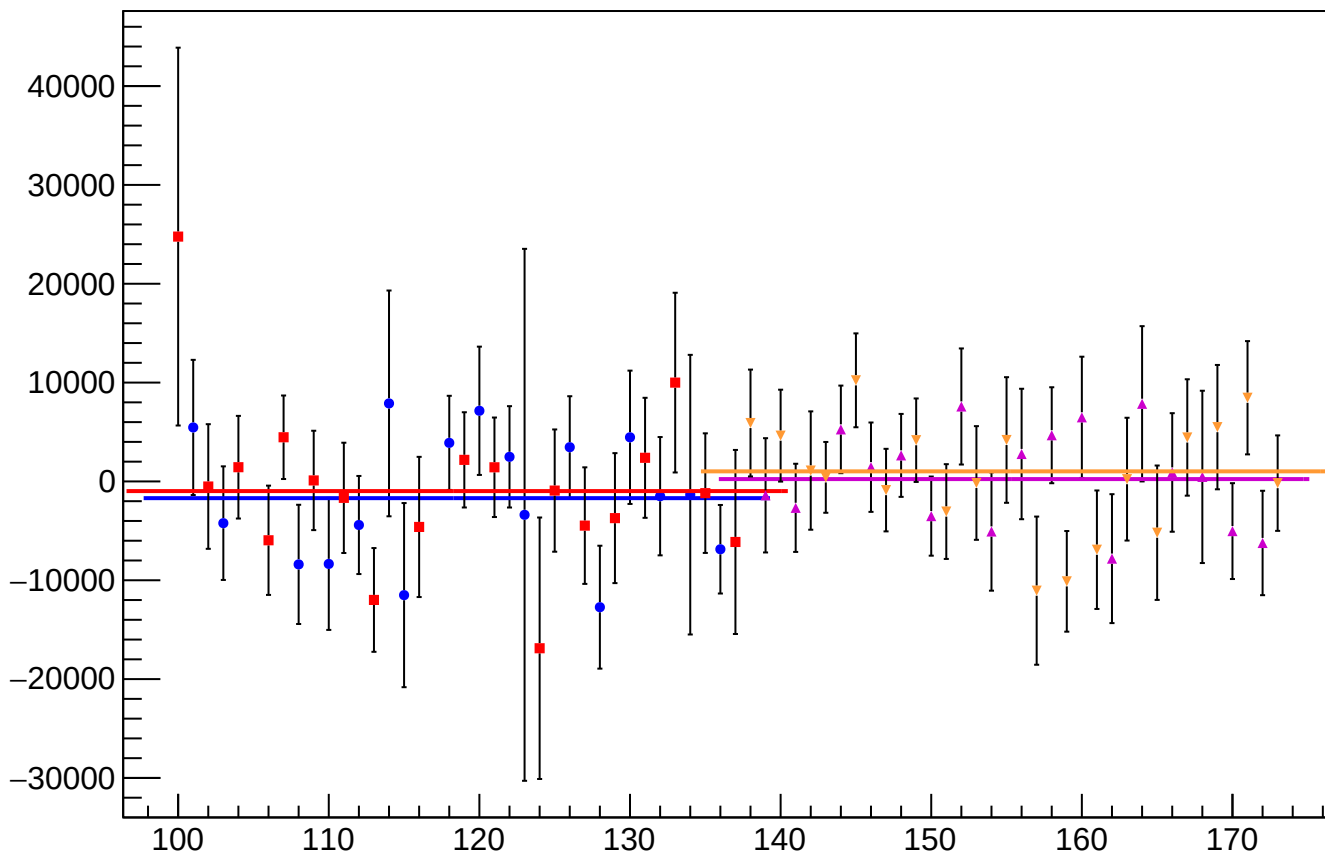
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 1018.883 $\pm$ 1193.732 χ^2 /NDF:19.6/18

Right Out: -977.899 $\pm$ 1378.874 χ^2 /NDF: 13.9/18

Left In: 236.596 $\pm$ 1283.326 χ^2 /NDF:12.6/16

Left: 655.998 $\pm$ 874.055 χ^2 /NDF: 32.3/35

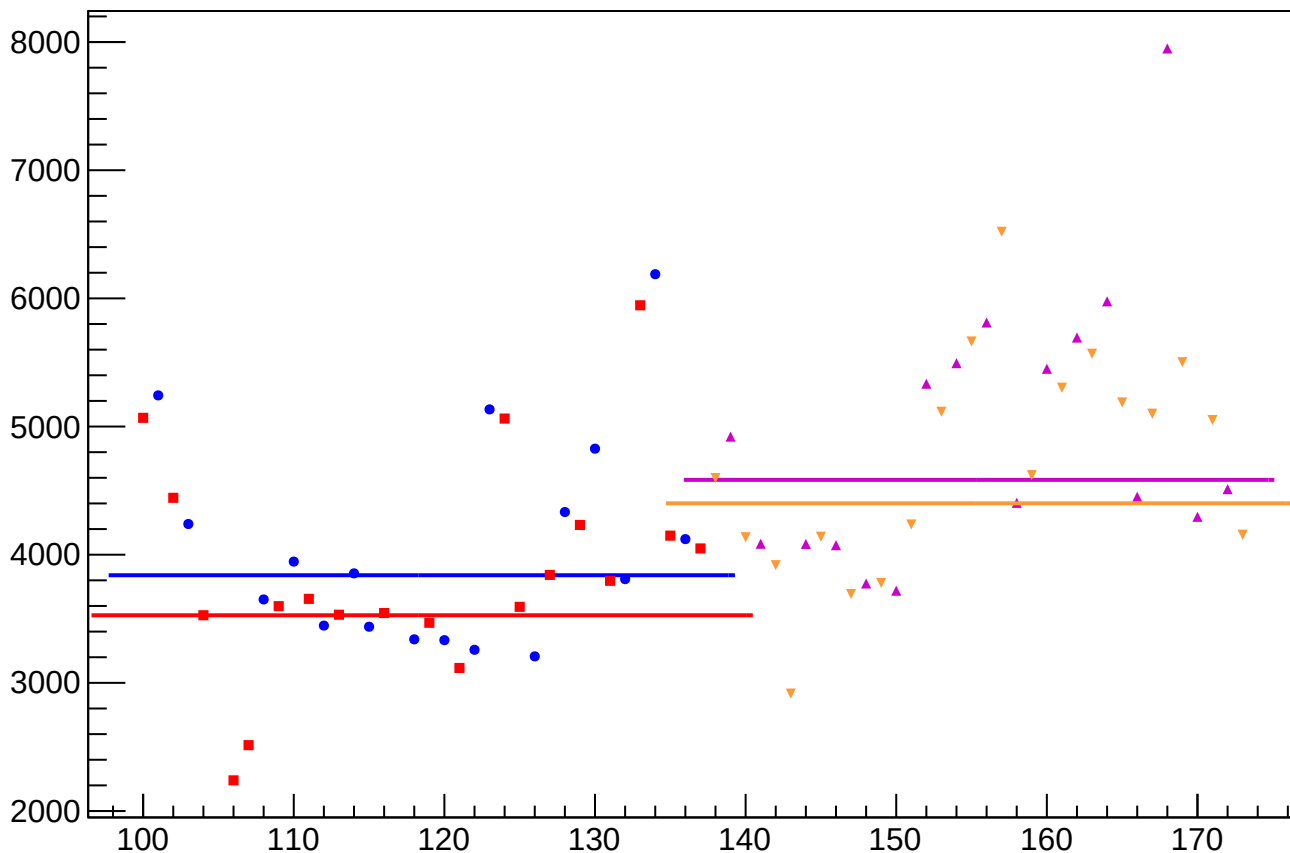
Right: -1302.190 $\pm$ 1019.117 χ^2 /NDF: 29.9/35

In: -570.653 $\pm$ 978.668 χ^2 /NDF:29.4/33

Out: 163.454 $\pm$ 902.509 χ^2 /NDF:34.7/37

All: -173.928 $\pm$ 663.463 χ^2 /NDF: 64.4/71

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4400.810+/-0.844 χ^2/NDF : 1011295.1/18

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4584.020+/-0.907 χ^2/NDF : 868589.8/16

Left: 4485.797+/-0.618 χ^2/NDF : 1901738.3/35

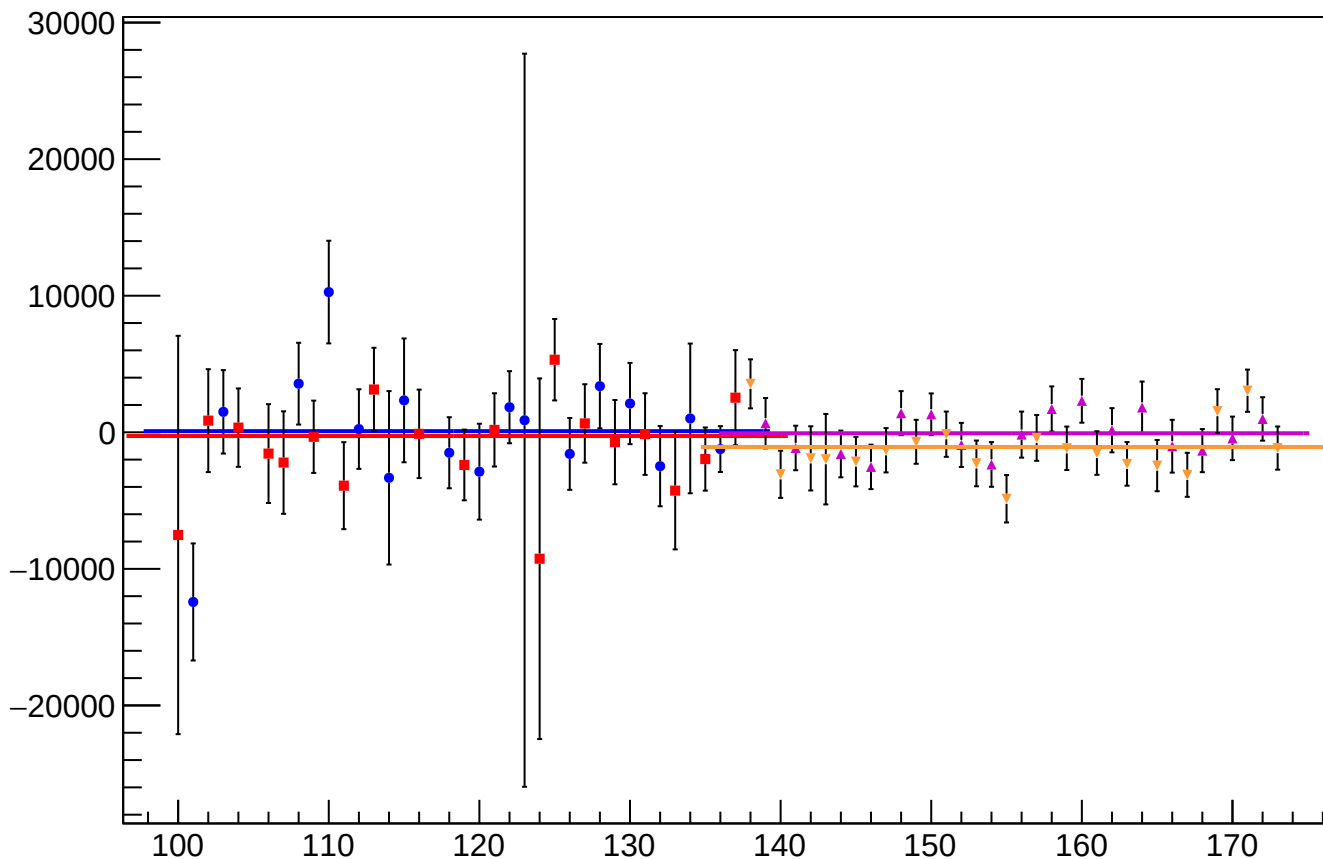
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4272.581+/-0.692 χ^2/NDF : 1476036.4/33

Out: 4022.692+/-0.636 χ^2/NDF : 2029635.5/37

All: 4137.050+/-0.468 χ^2/NDF : 3576393.8/71

reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1077.830 $\pm$ 393.720 χ^2 /NDF:27.0/18

Right Out: -272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

Left In: -70.703 $\pm$ 402.060 χ^2 /NDF:13.3/16

Left: -584.820 $\pm$ 281.304 χ^2 /NDF: 43.5/35

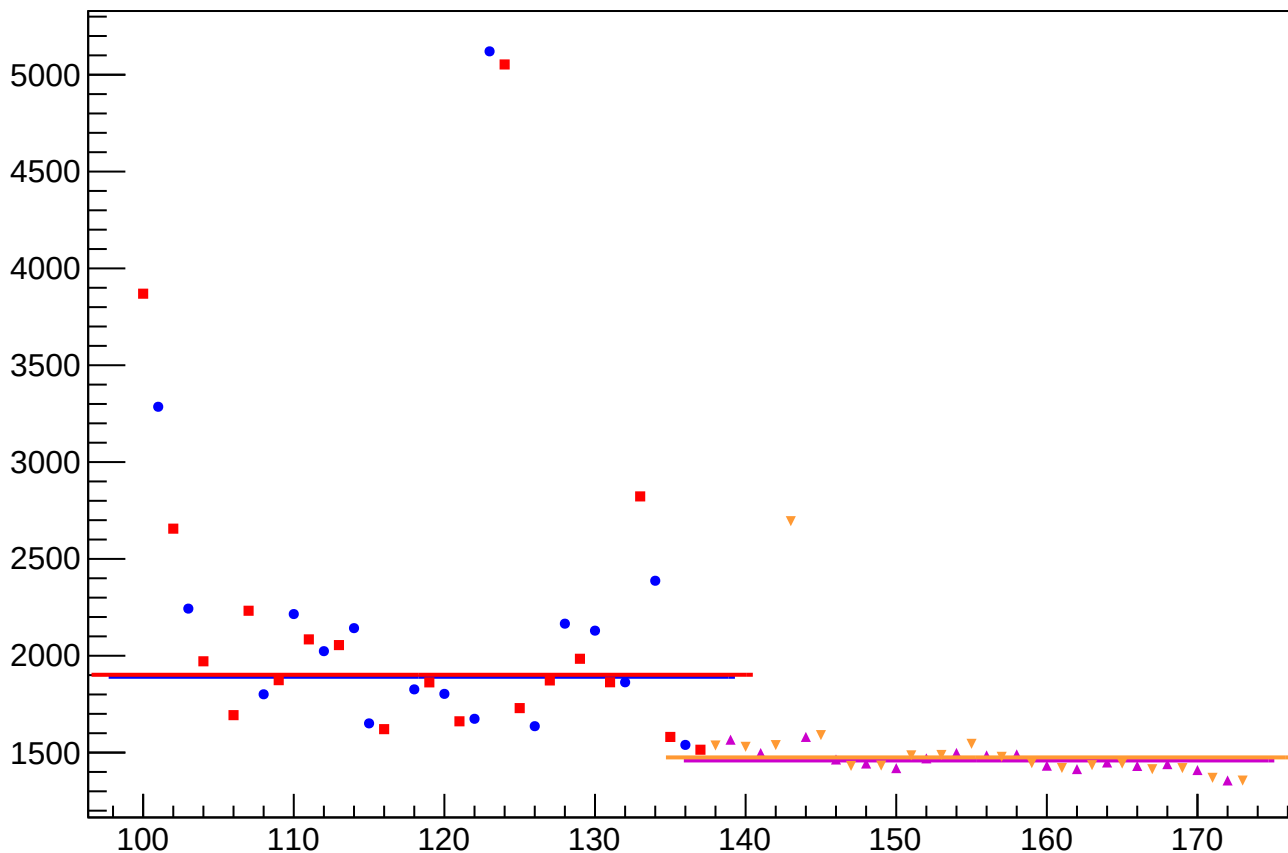
Right: -98.370 $\pm$ 524.811 χ^2 /NDF: 33.2/35

In: -36.239 $\pm$ 354.412 χ^2 /NDF:36.2/33

Out: -897.978 $\pm$ 346.969 χ^2 /NDF:38.1/37

All: -476.252 $\pm$ 247.934 χ^2 /NDF: 77.3/71

reg_asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1475.054 $\pm$ 0.278 χ^2 /NDF: 322421.3/18

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

Left In: 1459.352 $\pm$ 0.284 χ^2 /NDF: 35171.4/16

Left: 1467.368 $\pm$ 0.199 χ^2 /NDF: 359150.1/35

Right: 1896.759 $\pm$ 0.371 χ^2 /NDF: 925377.5/35

In: 1555.710 $\pm$ 0.251 χ^2 /NDF: 1014850.3/33

Out: 1570.384 $\pm$ 0.245 χ^2 /NDF: 1307977.0/37

All: 1563.203 $\pm$ 0.175 χ^2 /NDF: 2324578.1/71

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

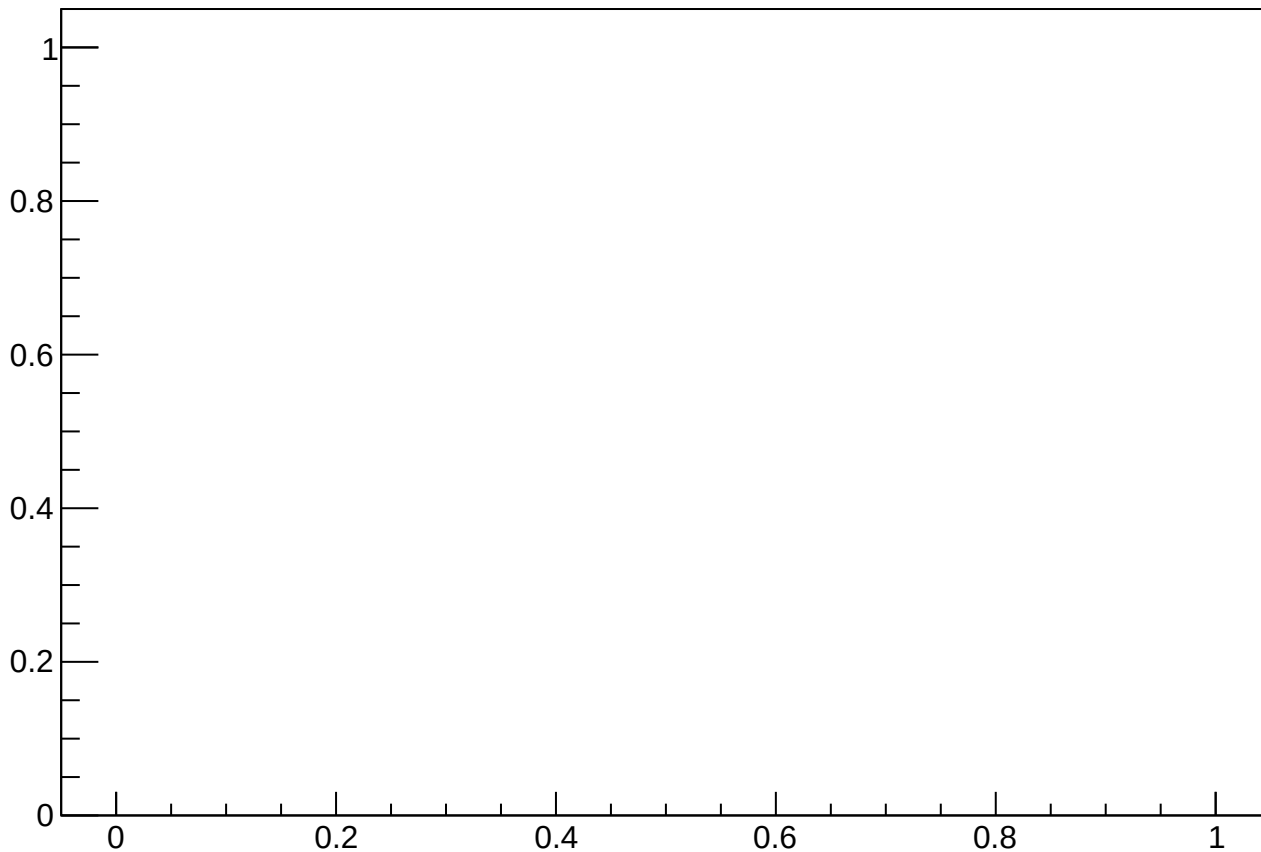
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

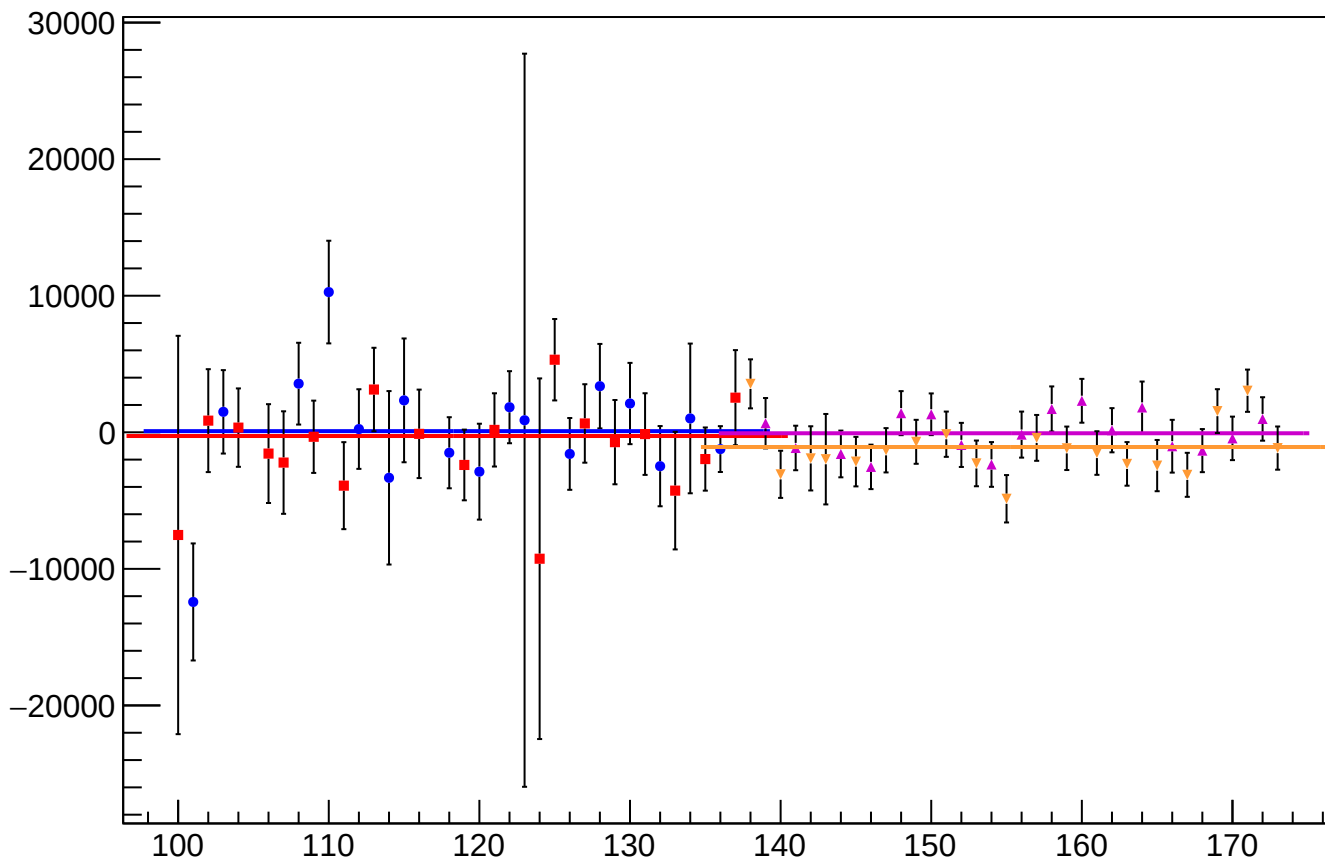
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1077.830 $\pm$ 393.720 χ^2 /NDF:27.0/18

Right Out: -272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

Left In: -70.703 $\pm$ 402.060 χ^2 /NDF:13.3/16

Left: -584.820 $\pm$ 281.304 χ^2 /NDF: 43.5/35

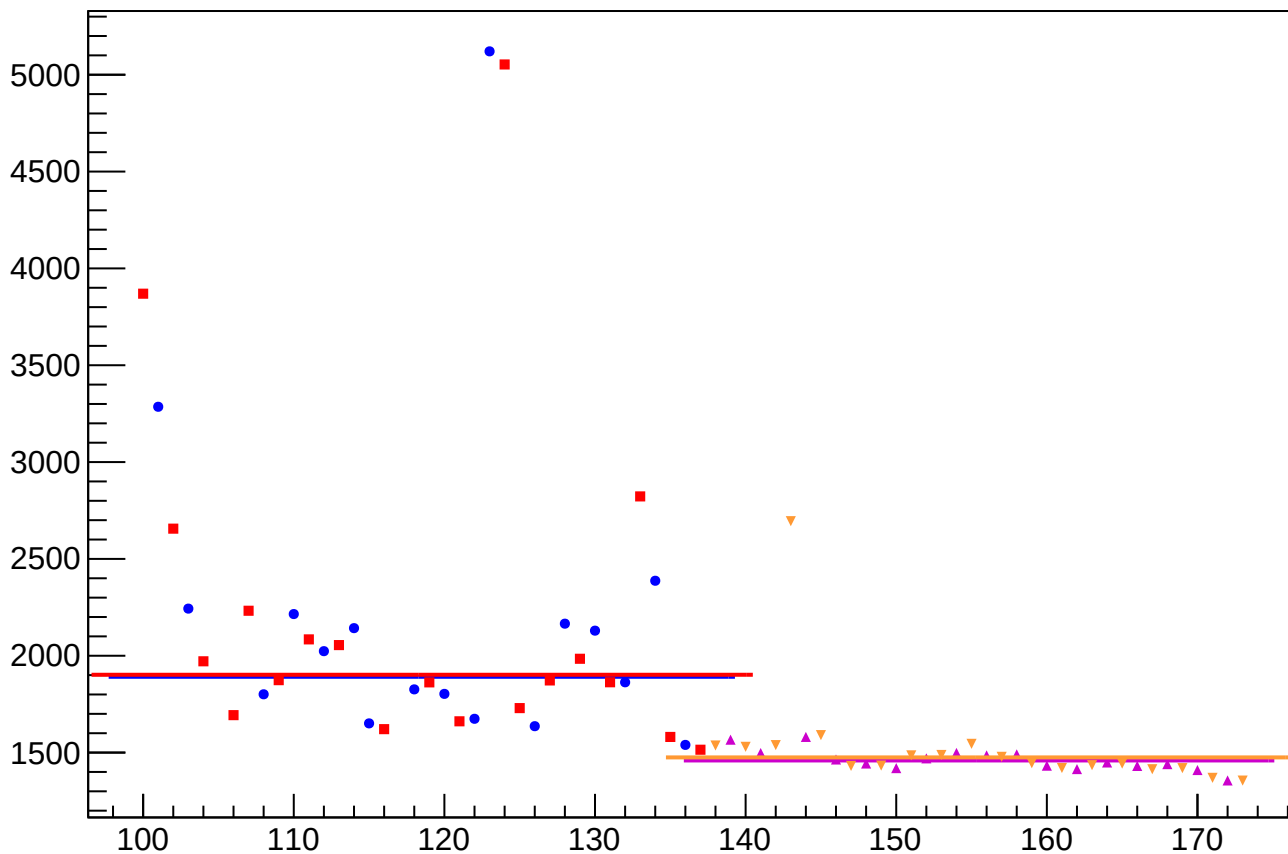
Right: -98.370 $\pm$ 524.811 χ^2 /NDF: 33.2/35

In: -36.239 $\pm$ 354.412 χ^2 /NDF:36.2/33

Out: -897.978 $\pm$ 346.969 χ^2 /NDF:38.1/37

All: -476.252 $\pm$ 247.934 χ^2 /NDF: 77.3/71

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492 ± 0.531 $\chi^2/\text{NDF}: 464497.5/16$

Left Out: 1475.054 ± 0.278 $\chi^2/\text{NDF}: 322421.3/18$

Right Out: 1901.797 ± 0.519 $\chi^2/\text{NDF}: 460687.3/18$

Left In: 1459.352 ± 0.284 $\chi^2/\text{NDF}: 35171.4/16$

Left: 1467.368 ± 0.199 $\chi^2/\text{NDF}: 359150.1/35$

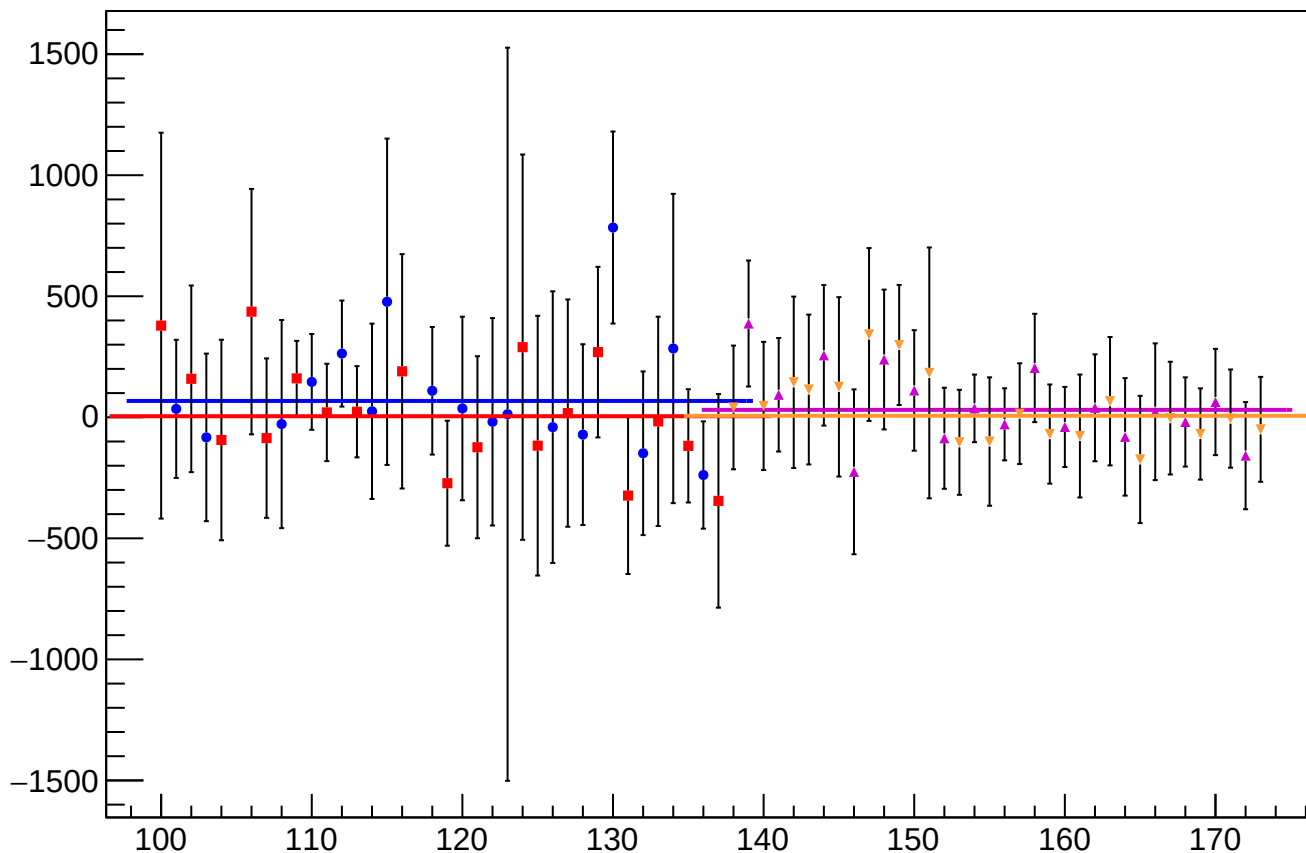
Right: 1896.759 ± 0.371 $\chi^2/\text{NDF}: 925377.5/35$

In: 1555.710 ± 0.251 $\chi^2/\text{NDF}: 1014850.3/33$

Out: 1570.384 ± 0.245 $\chi^2/\text{NDF}: 1307977.0/37$

All: 1563.203 ± 0.175 $\chi^2/\text{NDF}: 2324578.1/71$

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 6.257 $\pm$ 57.554 χ^2 /NDF:4.2/18

Right Out: 4.423 $\pm$ 70.009 χ^2 /NDF: 6.4/18

Left In: 30.674 $\pm$ 51.433 χ^2 /NDF:6.0/16

Left: 19.833 $\pm$ 38.350 χ^2 /NDF: 10.4/35

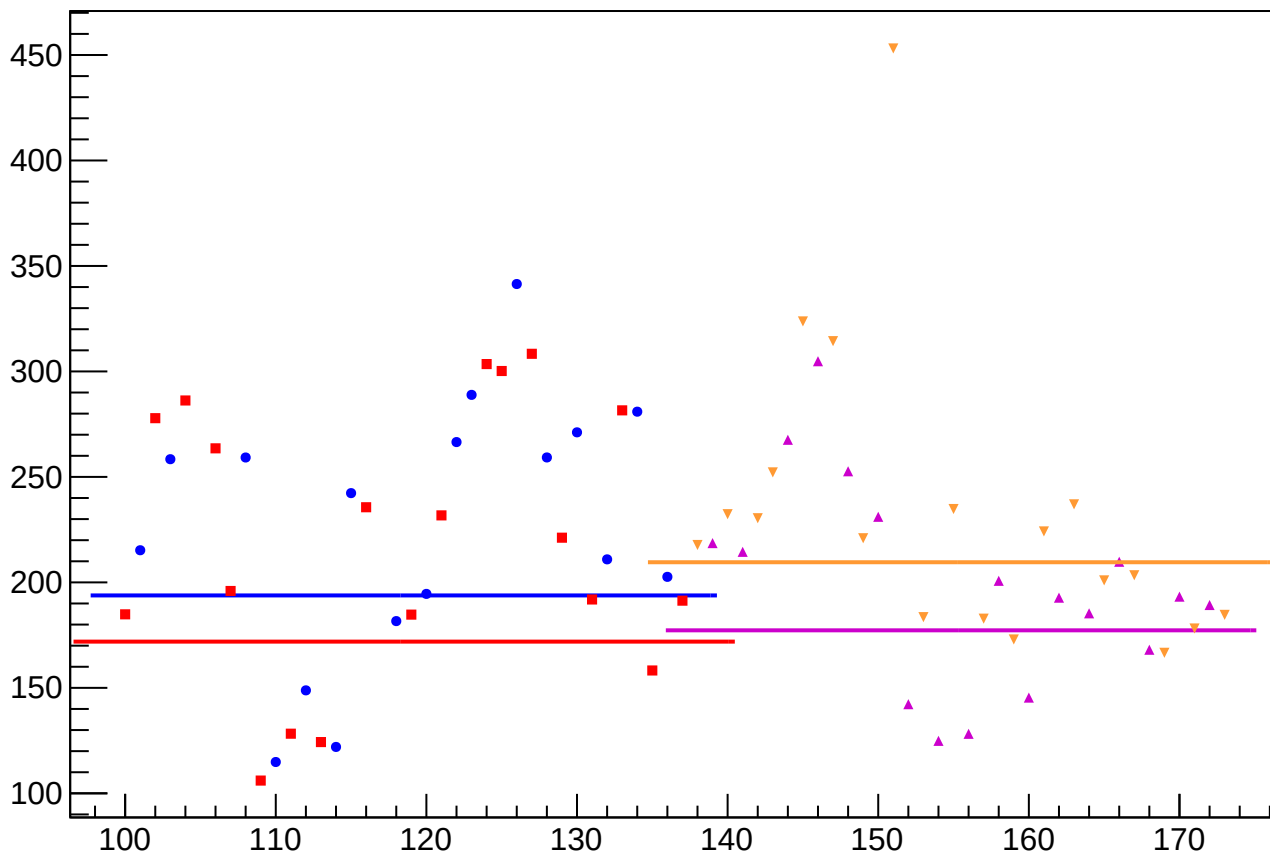
Right: 31.949 $\pm$ 52.572 χ^2 /NDF: 14.2/35

In: 41.531 $\pm$ 43.201 χ^2 /NDF:13.7/33

Out: 5.517 $\pm$ 44.459 χ^2 /NDF:10.6/37

All: 24.041 $\pm$ 30.983 χ^2 /NDF: 24.6/71

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815 $\pm$ 0.056 χ^2 /NDF: 1010325.5/16

Left Out: 209.549 $\pm$ 0.041 χ^2 /NDF:1223703.3/18

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

Left In: 177.272 $\pm$ 0.036 χ^2 /NDF:1516080.9/16

Left: 191.603 $\pm$ 0.027 χ^2 /NDF: 3089506.1/35

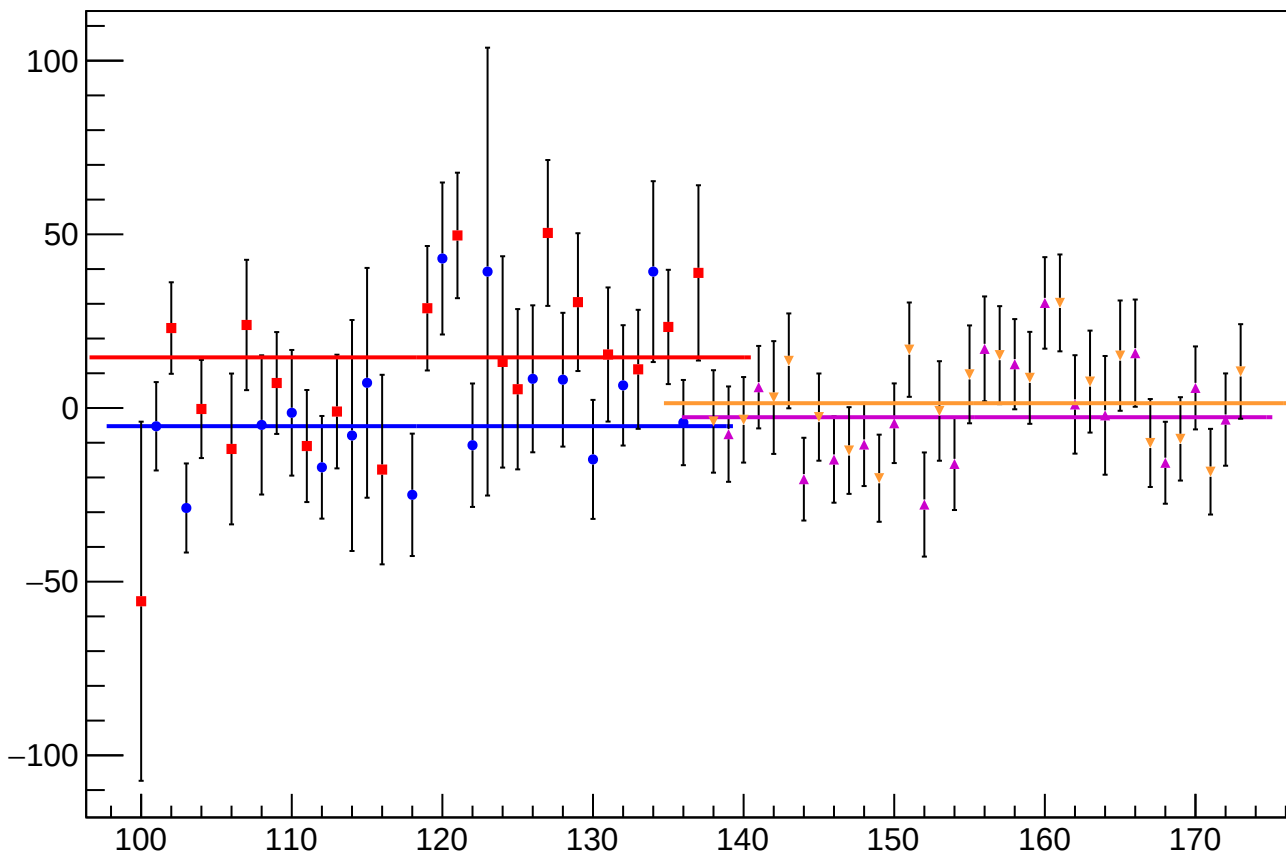
Right: 181.469 $\pm$ 0.037 χ^2 /NDF: 2672713.5/35

In: 182.144 $\pm$ 0.031 χ^2 /NDF:2587338.3/33

Out: 194.374 $\pm$ 0.031 χ^2 /NDF:3145550.6/37

All: 188.083 $\pm$ 0.022 χ^2 /NDF: 5810731.8/71

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 χ^2/NDF : 15.5/16

Left Out: 1.383 ± 3.095 χ^2/NDF : 18.0/18

Right Out: 14.579 ± 4.265 χ^2/NDF : 19.5/18

Left In: -2.652 ± 3.176 χ^2/NDF : 20.7/16

Left: -0.582 ± 2.216 χ^2/NDF : 39.6/35

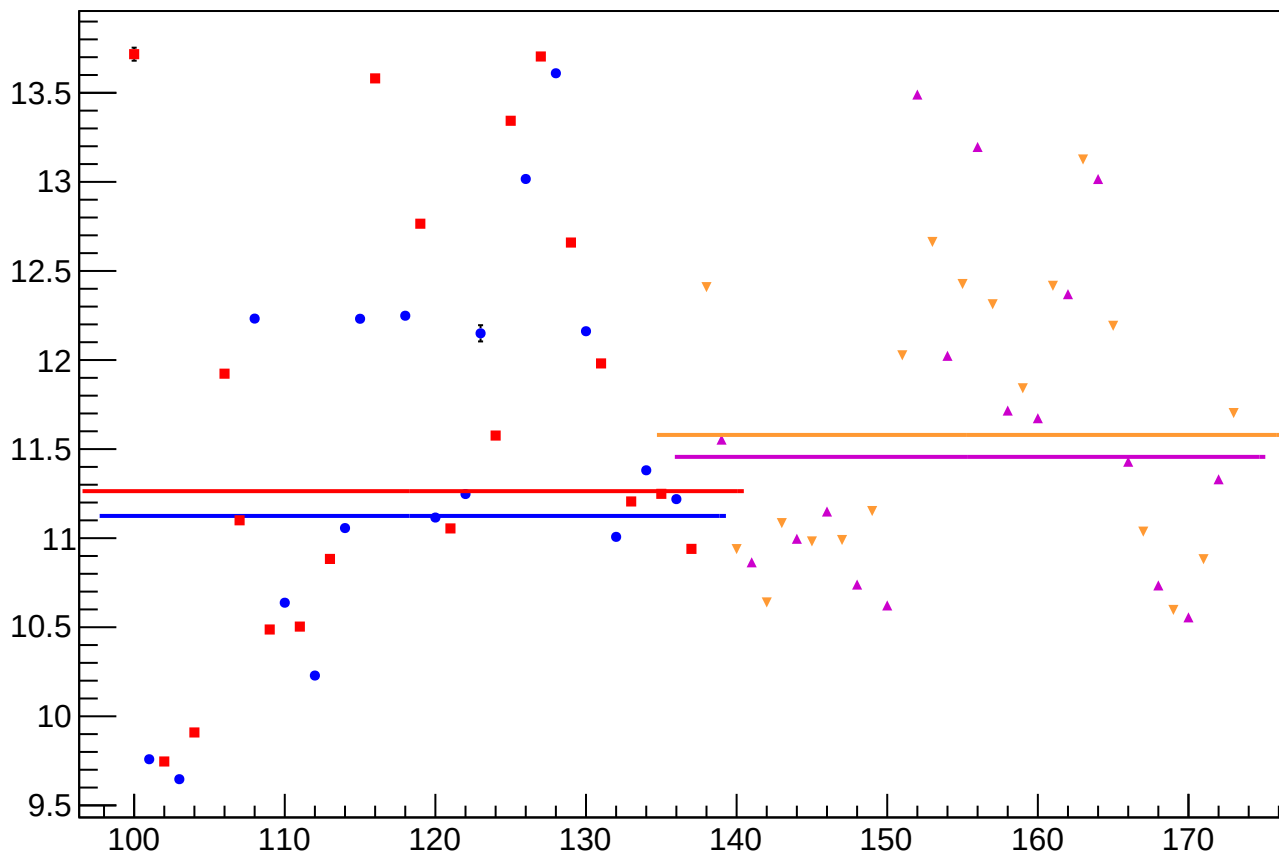
Right: 4.883 ± 3.047 χ^2/NDF : 45.6/35

In: -3.547 ± 2.566 χ^2/NDF : 36.4/33

Out: 5.934 ± 2.505 χ^2/NDF : 43.8/37

All: 1.308 ± 1.792 χ^2/NDF : 87.3/71

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.580 $\pm$ 0.002 χ^2 /NDF:115434.9/18

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

Left In: 11.456 $\pm$ 0.002 χ^2 /NDF:139386.8/16

Left: 11.520 $\pm$ 0.002 χ^2 /NDF: 256365.5/35

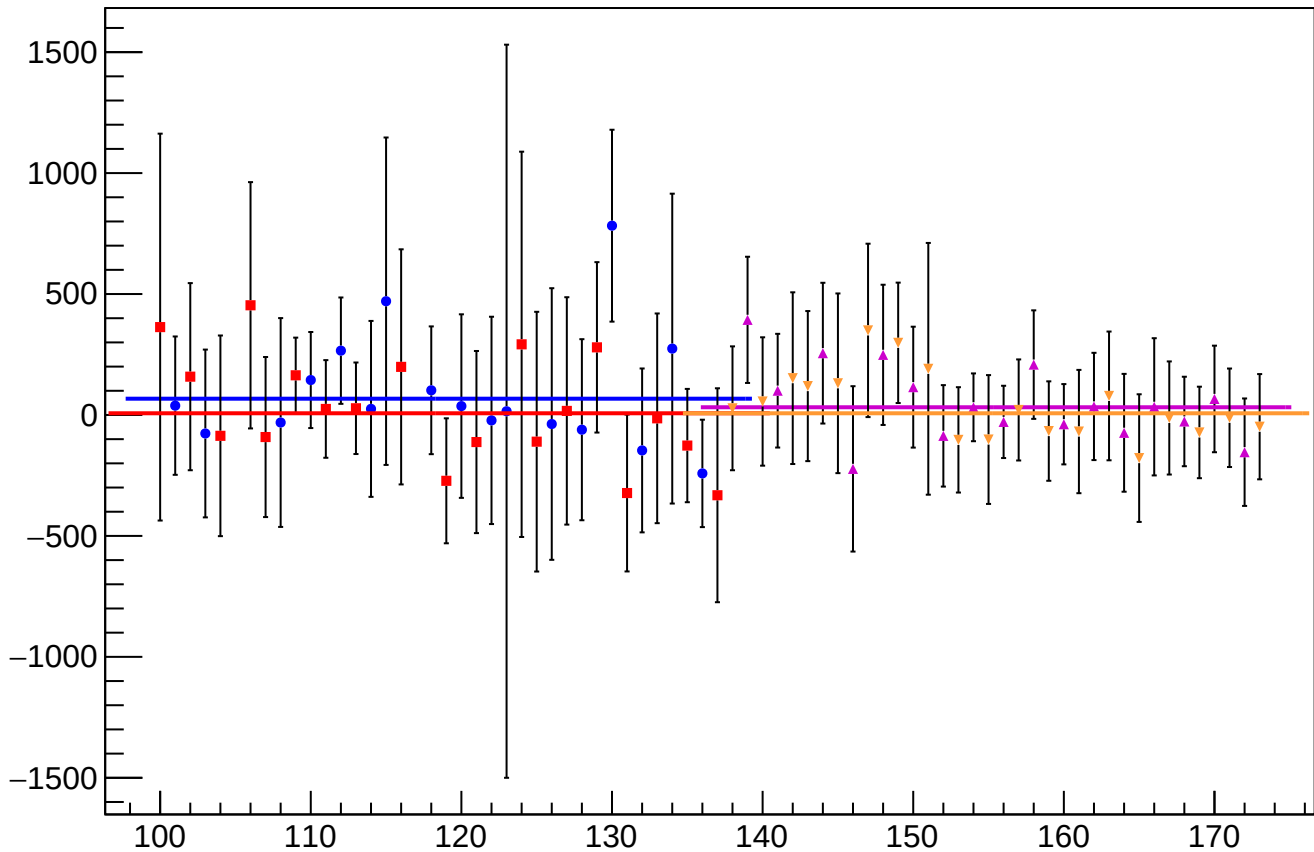
Right: 11.196 $\pm$ 0.002 χ^2 /NDF: 281295.0/35

In: 11.341 $\pm$ 0.002 χ^2 /NDF:279472.1/33

Out: 11.471 $\pm$ 0.002 χ^2 /NDF:270342.6/37

All: 11.408 $\pm$ 0.001 χ^2 /NDF: 552419.5/71

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305+/-79.817 χ^2/NDF : 7.5/16

Left Out: 7.001+/-57.756 χ^2/NDF : 4.3/18

Right Out: 7.039+/-70.212 χ^2/NDF : 6.4/18

Left In: 31.902+/-51.611 χ^2/NDF : 6.1/16

Left: 20.846+/-38.484 χ^2/NDF : 10.5/35

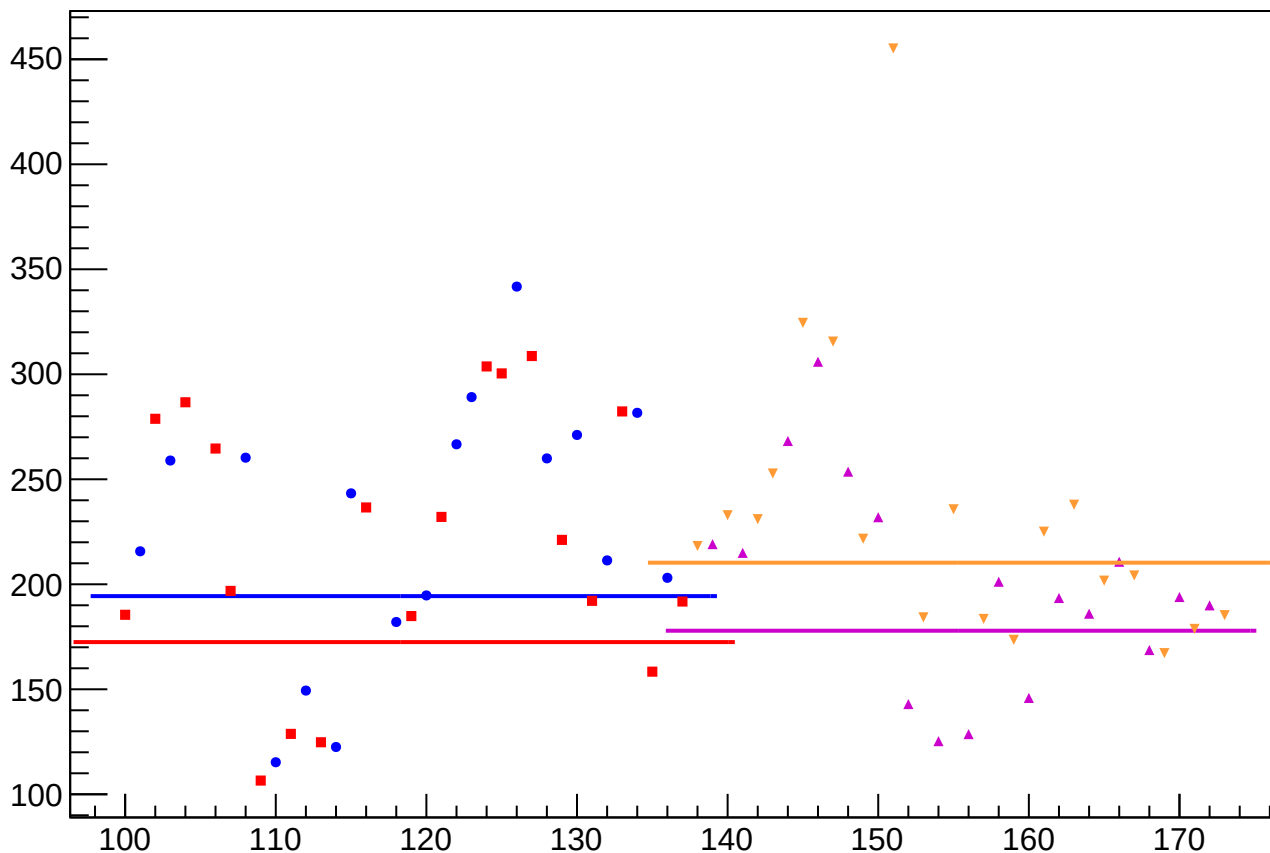
Right: 33.329+/-52.718 χ^2/NDF : 14.2/35

In: 42.340+/-43.340 χ^2/NDF : 13.7/33

Out: 7.016+/-44.604 χ^2/NDF : 10.8/37

All: 25.186+/-31.083 χ^2/NDF : 24.8/71

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.365 $\pm$ 0.056 χ^2 /NDF: 1005234.4/16

Left Out: 210.288 $\pm$ 0.041 χ^2 /NDF:1222696.1/18

Right Out: 172.471 $\pm$ 0.050 χ^2 /NDF: 1569648.4/18

Left In: 177.891 $\pm$ 0.036 χ^2 /NDF:1514200.2/16

Left: 192.275 $\pm$ 0.027 χ^2 /NDF: 3086778.9/35

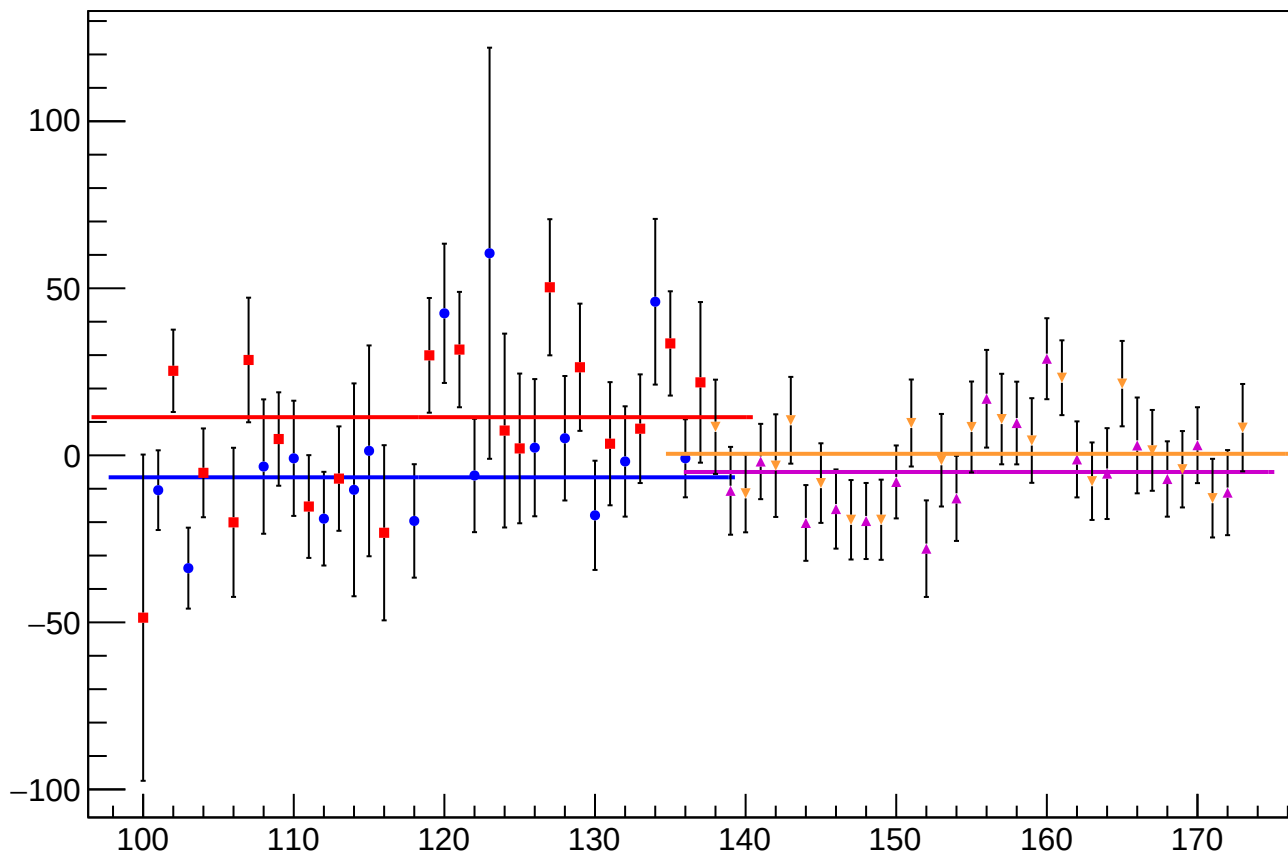
Right: 182.022 $\pm$ 0.037 χ^2 /NDF: 2659717.0/35

In: 182.748 $\pm$ 0.031 χ^2 /NDF:2579515.6/33

Out: 195.026 $\pm$ 0.032 χ^2 /NDF:3138376.8/37

All: 188.711 $\pm$ 0.022 χ^2 /NDF: 5795840.1/71

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 ± 4.157 $\chi^2/\text{NDF}: 19.3/16$

Left Out: 0.457 ± 2.877 $\chi^2/\text{NDF}: 18.7/18$

Right Out: 11.423 ± 4.080 $\chi^2/\text{NDF}: 23.0/18$

Left In: -4.986 ± 2.970 $\chi^2/\text{NDF}: 20.3/16$

Left: -2.178 ± 2.066 $\chi^2/\text{NDF}: 40.7/35$

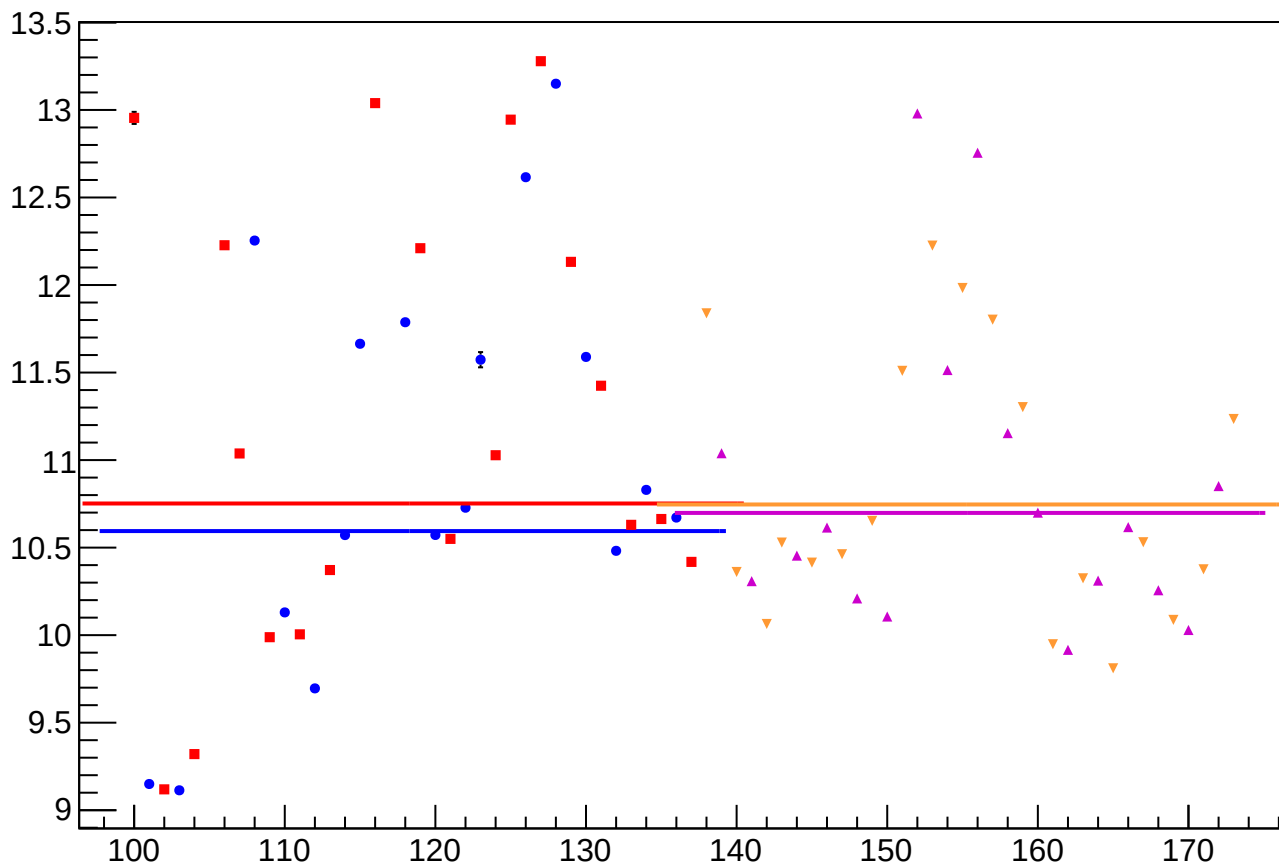
Right: 2.593 ± 2.912 $\chi^2/\text{NDF}: 51.8/35$

In: -5.523 ± 2.416 $\chi^2/\text{NDF}: 39.7/33$

Out: 4.099 ± 2.351 $\chi^2/\text{NDF}: 46.5/37$

All: -0.580 ± 1.685 $\chi^2/\text{NDF}: 94.3/71$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 $\pm$ 0.003 χ^2/NDF : 160059.2/16

Left Out: 10.746 $\pm$ 0.002 χ^2/NDF :119237.6/18

Right Out: 10.752 $\pm$ 0.003 χ^2/NDF : 177173.0/18

Left In: 10.698 $\pm$ 0.002 χ^2/NDF :136094.7/16

Left: 10.723 $\pm$ 0.001 χ^2/NDF : 255604.4/35

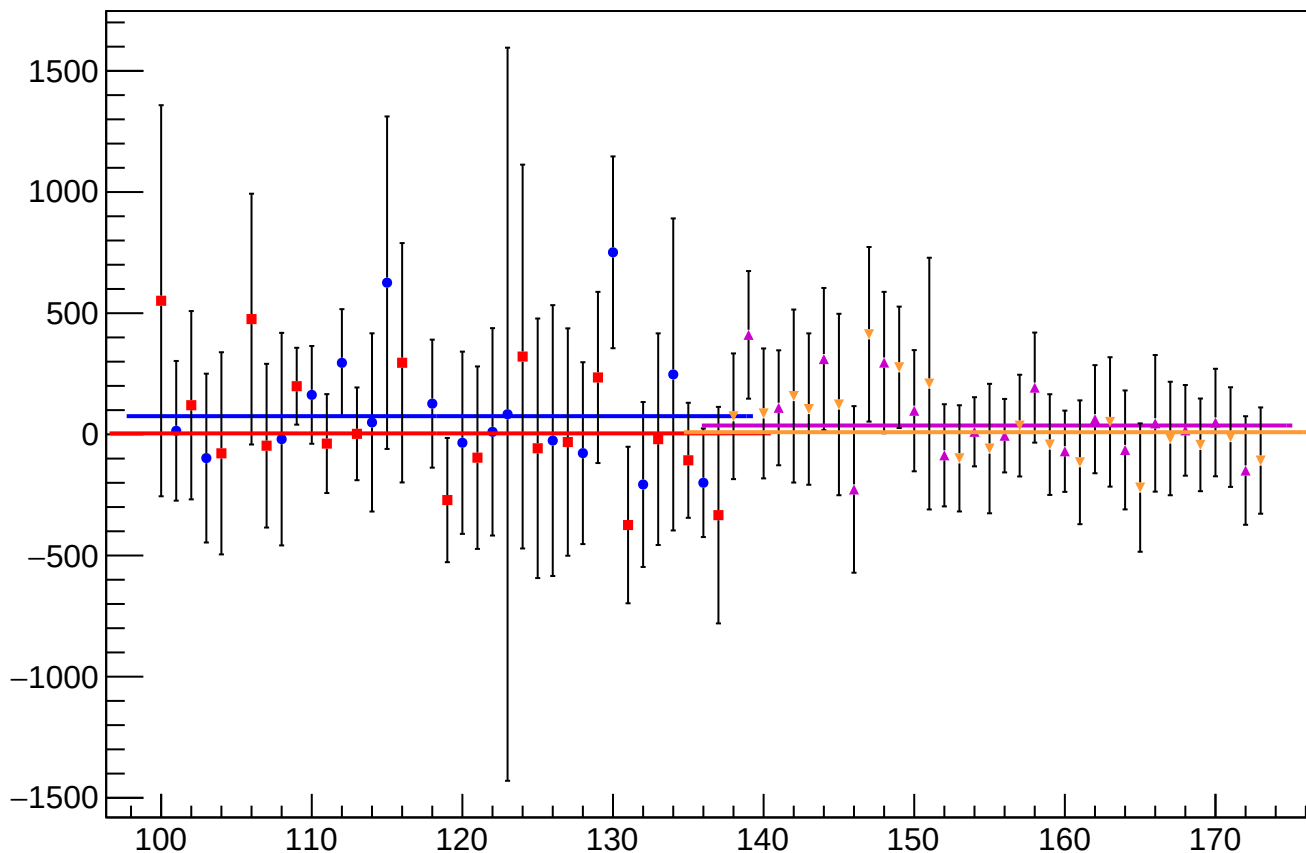
Right: 10.675 $\pm$ 0.002 χ^2/NDF : 338695.4/35

In: 10.663 $\pm$ 0.002 χ^2/NDF :296978.3/33

Out: 10.748 $\pm$ 0.002 χ^2/NDF :296413.1/37

All: 10.707 $\pm$ 0.001 χ^2/NDF : 594666.6/71

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 8.922 $\pm$ 58.158 χ^2 /NDF:4.8/18

Right Out: 3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

Left In: 36.523 $\pm$ 52.120 χ^2 /NDF:6.6/16

Left: 24.229 $\pm$ 38.814 χ^2 /NDF: 11.6/35

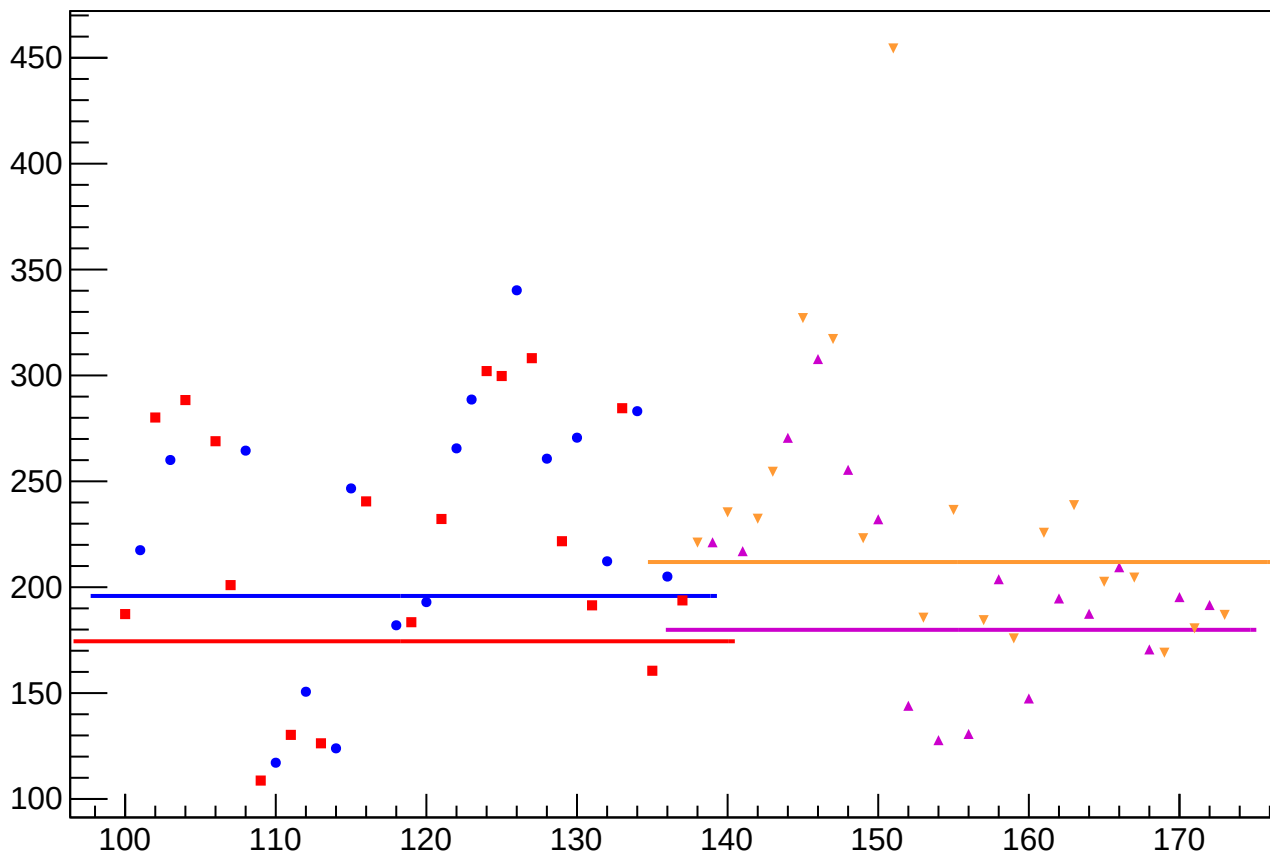
Right: 35.109 $\pm$ 53.156 χ^2 /NDF: 15.5/35

In: 47.943 $\pm$ 43.727 χ^2 /NDF:14.5/33

Out: 6.941 $\pm$ 44.961 χ^2 /NDF:12.2/37

All: 28.013 $\pm$ 31.347 χ^2 /NDF: 27.1/71

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 211.891 $\pm$ 0.041 χ^2 /NDF:1205273.5/18

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

Left In: 179.875 $\pm$ 0.037 χ^2 /NDF:1471722.9/16

Left: 194.136 $\pm$ 0.027 χ^2 /NDF: 3013131.6/35

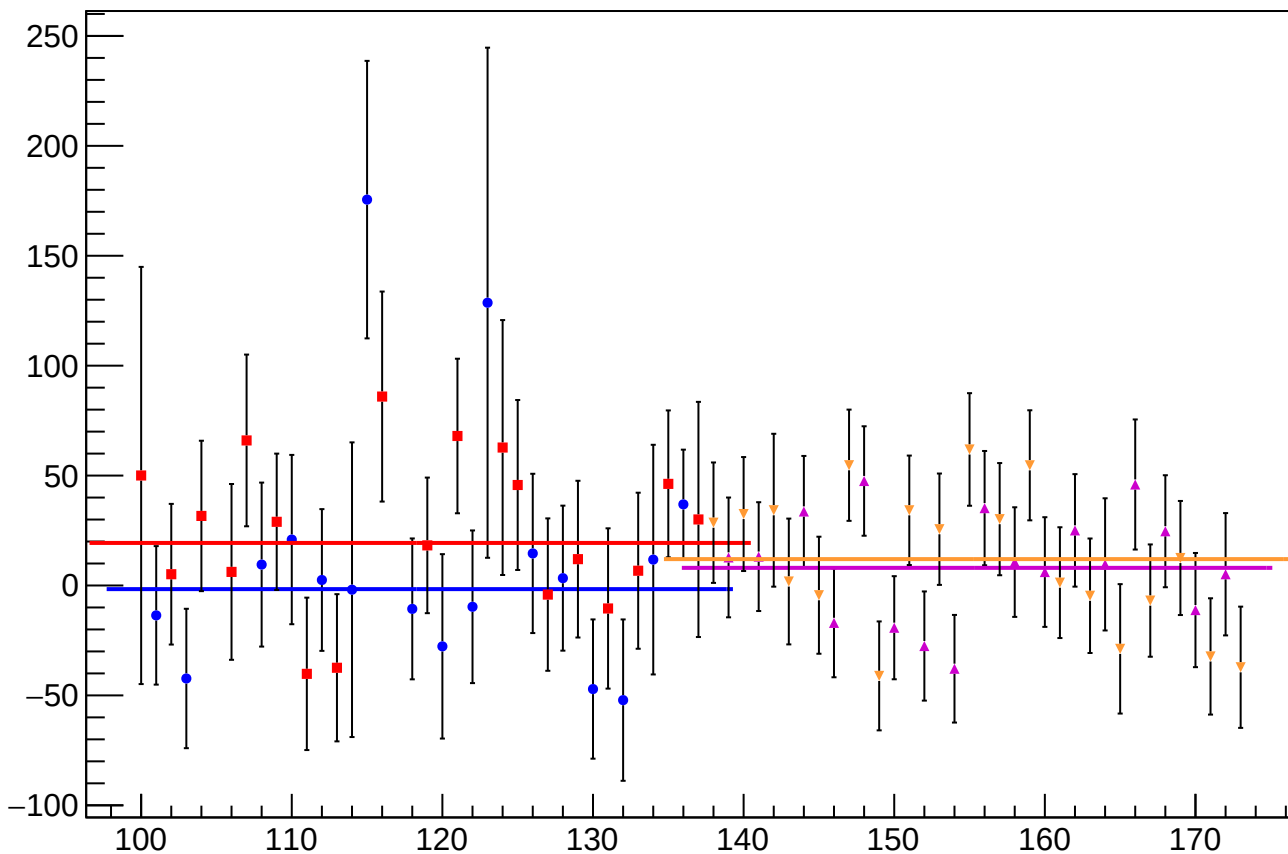
Right: 183.832 $\pm$ 0.038 χ^2 /NDF: 2587830.9/35

In: 184.612 $\pm$ 0.031 χ^2 /NDF:2506741.4/33

Out: 196.833 $\pm$ 0.032 χ^2 /NDF:3067286.2/37

All: 190.553 $\pm$ 0.022 χ^2 /NDF: 5649974.2/71

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.654 ± 8.881 χ^2/NDF : 18.5/16

Left Out: 11.999 ± 6.056 χ^2/NDF : 26.7/18

Right Out: 19.357 ± 8.556 χ^2/NDF : 14.8/18

Left In: 8.020 ± 6.240 χ^2/NDF : 15.7/16

Left: 10.069 ± 4.346 χ^2/NDF : 42.6/35

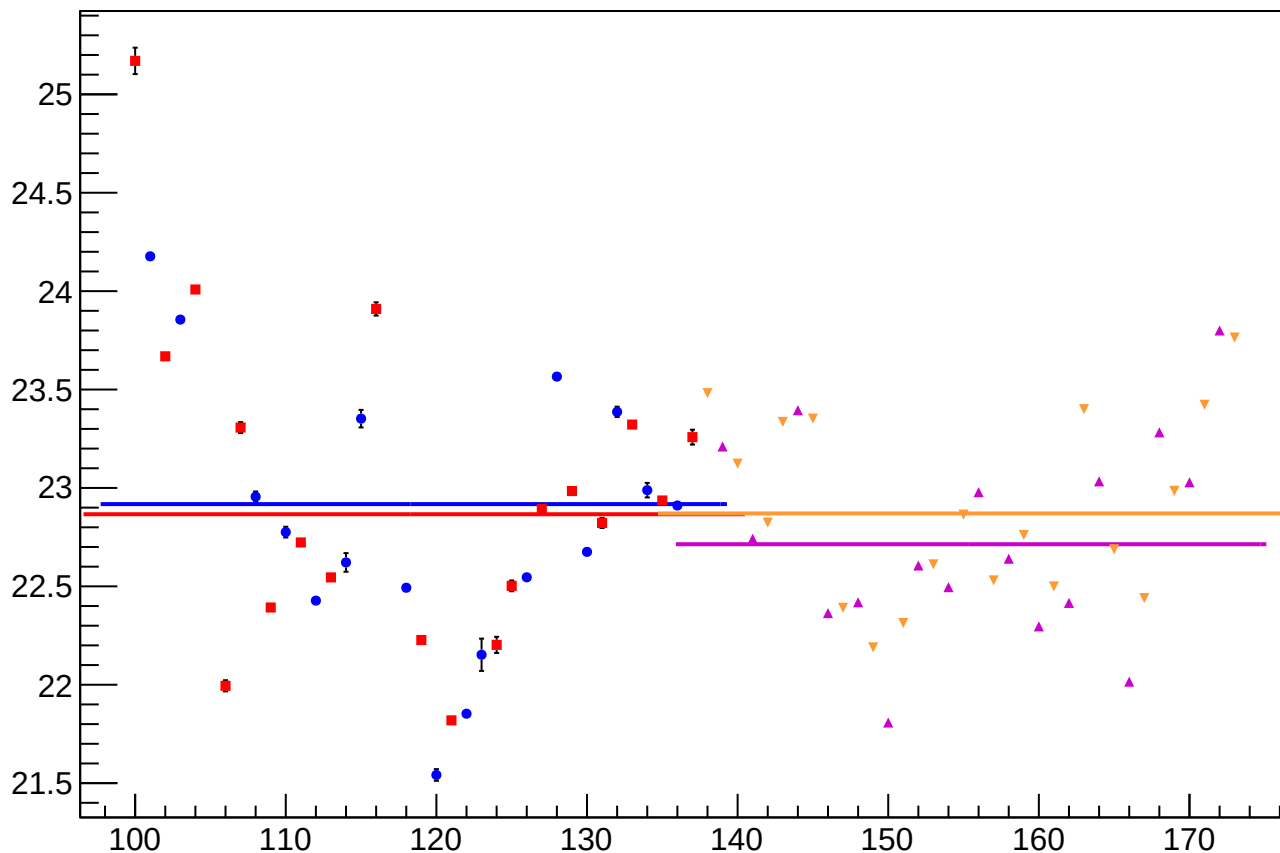
Right: 9.244 ± 6.162 χ^2/NDF : 36.2/35

In: 4.823 ± 5.106 χ^2/NDF : 35.1/33

Out: 14.455 ± 4.943 χ^2/NDF : 41.9/37

All: 9.795 ± 3.551 χ^2/NDF : 78.9/71

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 22.870 $\pm$ 0.004 χ^2 /NDF:11120.2/18

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

Left In: 22.714 $\pm$ 0.004 χ^2 /NDF:12714.8/16

Left: 22.794 $\pm$ 0.003 χ^2 /NDF: 24481.8/35

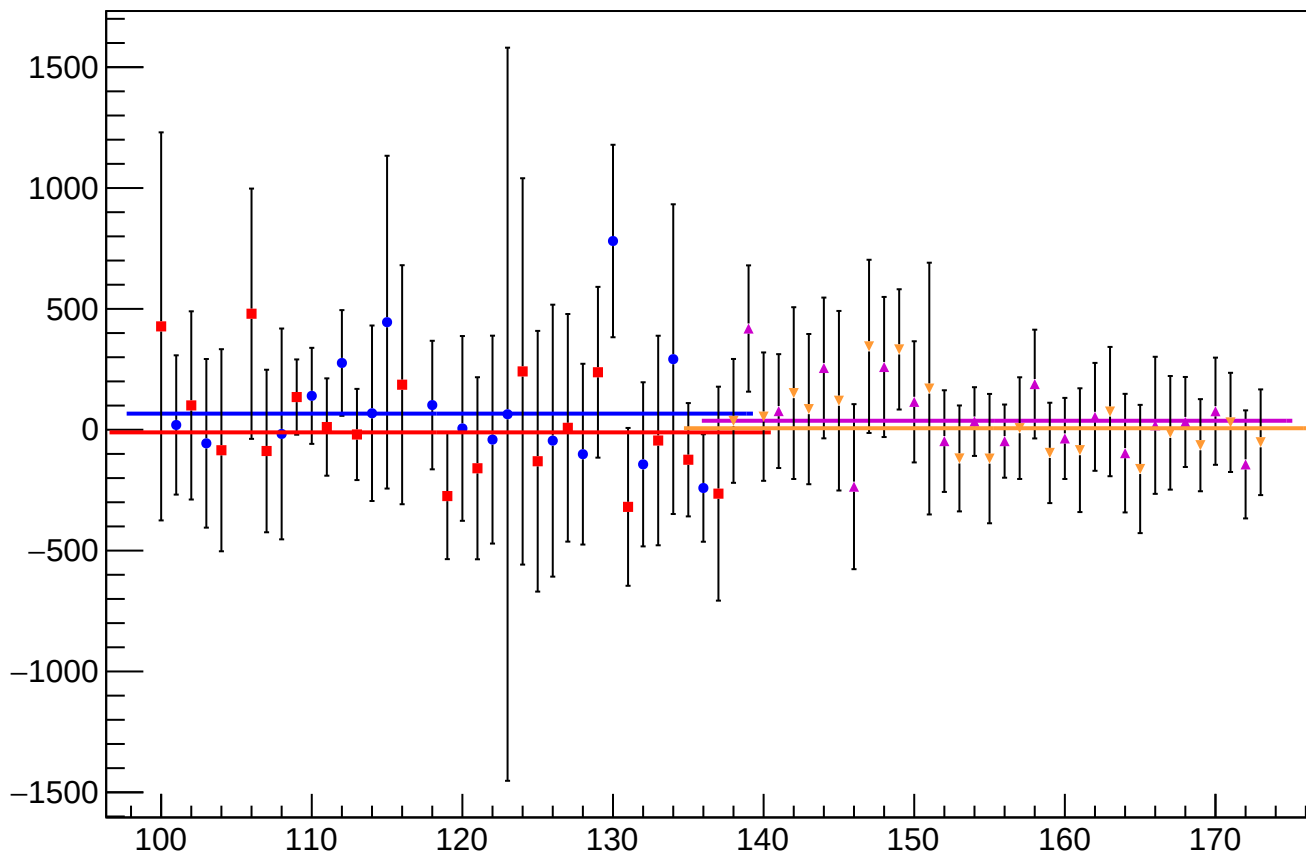
Right: 22.891 $\pm$ 0.004 χ^2 /NDF: 22559.6/35

In: 22.781 $\pm$ 0.004 χ^2 /NDF:24892.9/33

Out: 22.869 $\pm$ 0.003 χ^2 /NDF:22173.0/37

All: 22.827 $\pm$ 0.003 χ^2 /NDF: 47370.3/71

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 66.701+/-79.995 χ^2/NDF : 7.5/16

Left Out: 6.261+/-58.032 χ^2/NDF : 4.7/18

Right Out: -10.870+/-70.386 χ^2/NDF : 5.7/18

Left In: 37.200+/-51.973 χ^2/NDF : 6.2/16

Left: 23.429+/-38.716 χ^2/NDF : 11.0/35

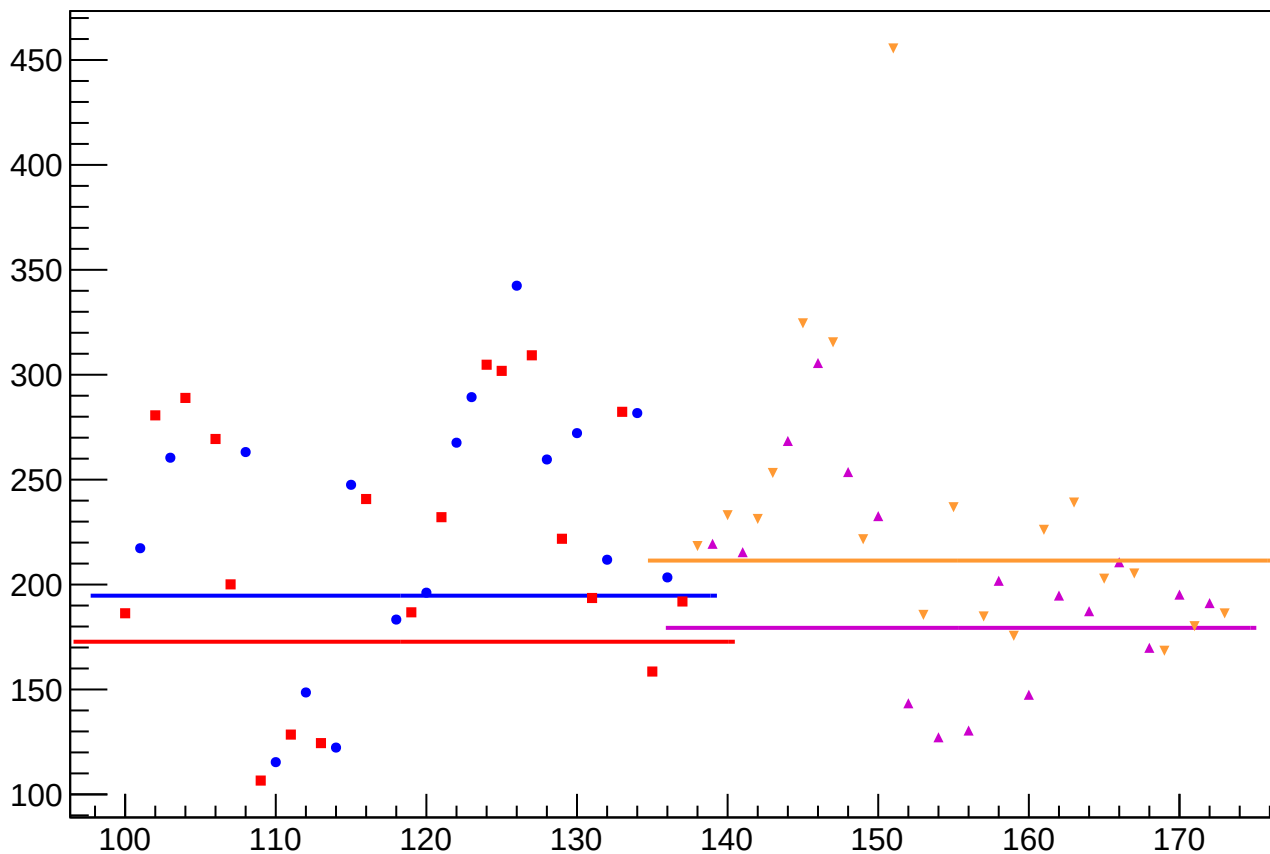
Right: 22.979+/-52.843 χ^2/NDF : 13.8/35

In: 45.956+/-43.583 χ^2/NDF : 13.8/33

Out: -0.671+/-44.776 χ^2/NDF : 10.4/37

All: 23.272+/-31.231 χ^2/NDF : 24.8/71

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703+/-0.057 χ^2/NDF : 1019872.4/16

Left Out: 211.435+/-0.041 χ^2/NDF :1197343.9/18

Right Out: 172.753+/-0.050 χ^2/NDF : 1596944.9/18

Left In: 179.366+/-0.037 χ^2/NDF :1461718.6/16

Left: 193.639+/-0.027 χ^2/NDF : 2997986.9/35

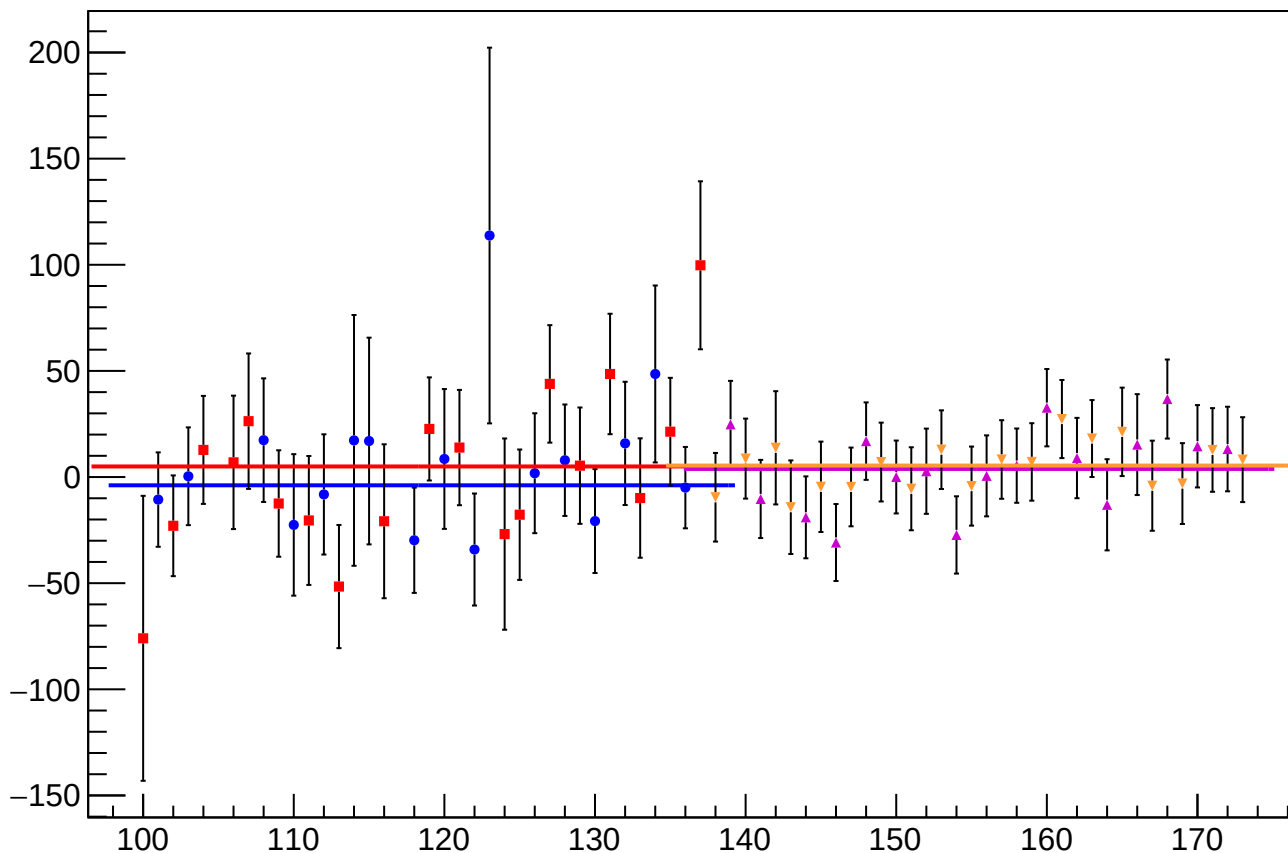
Right: 182.331+/-0.037 χ^2/NDF : 2701685.9/35

In: 183.918+/-0.031 χ^2/NDF :2533287.3/33

Out: 195.781+/-0.032 χ^2/NDF :3153887.6/37

All: 189.689+/-0.022 χ^2/NDF : 5759268.9/71

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.894 ± 6.915 χ^2/NDF : 8.4/16

Left Out: 5.411 ± 4.505 χ^2/NDF : 5.8/18

Right Out: 4.985 ± 6.727 χ^2/NDF : 21.3/18

Left In: 3.810 ± 4.624 χ^2/NDF : 17.3/16

Left: 4.632 ± 3.227 χ^2/NDF : 23.1/35

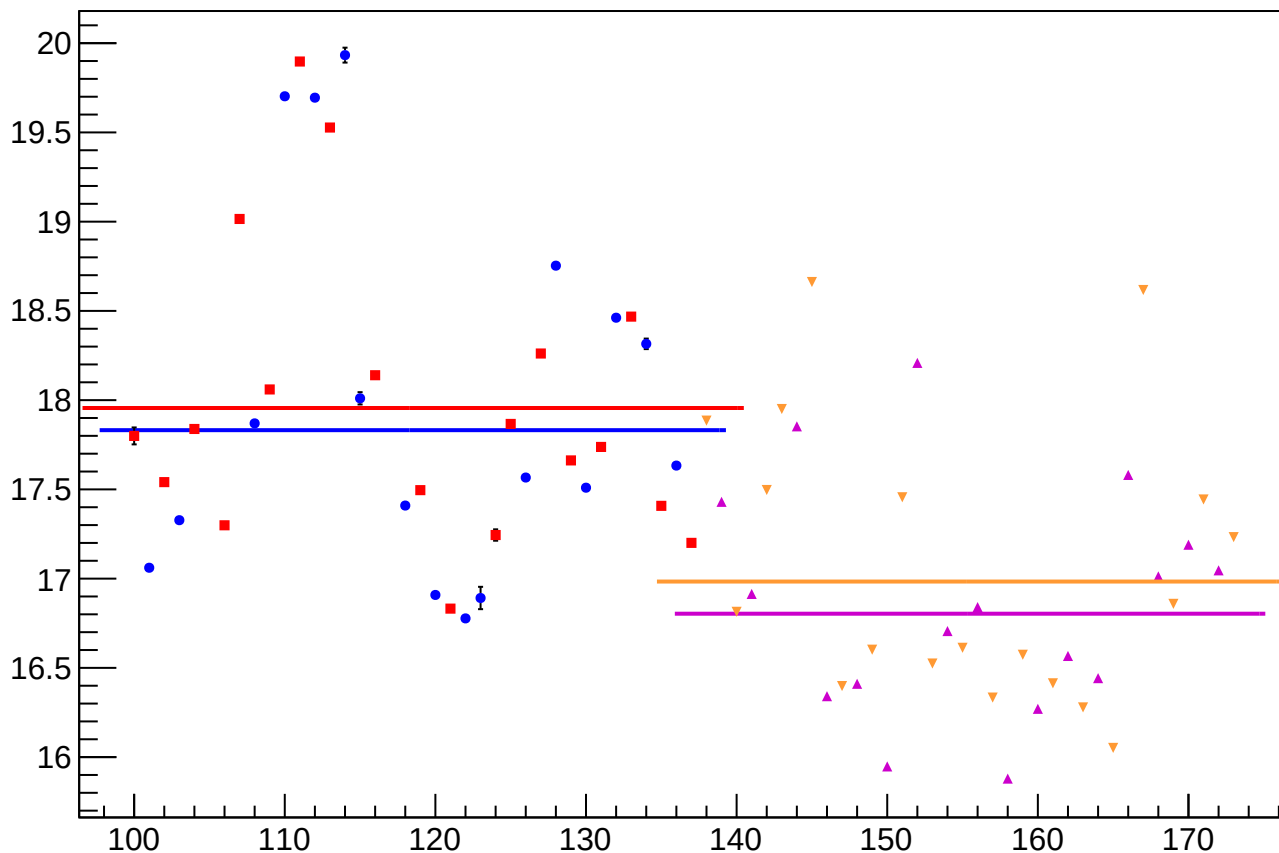
Right: 0.668 ± 4.822 χ^2/NDF : 30.6/35

In: 1.430 ± 3.844 χ^2/NDF : 26.5/33

Out: 5.279 ± 3.743 χ^2/NDF : 27.1/37

All: 3.406 ± 2.682 χ^2/NDF : 54.2/71

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 16.984 $\pm$ 0.003 χ^2 /NDF: 52689.9/18

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

Left In: 16.803 $\pm$ 0.003 χ^2 /NDF: 36561.9/16

Left: 16.896 $\pm$ 0.002 χ^2 /NDF: 90810.5/35

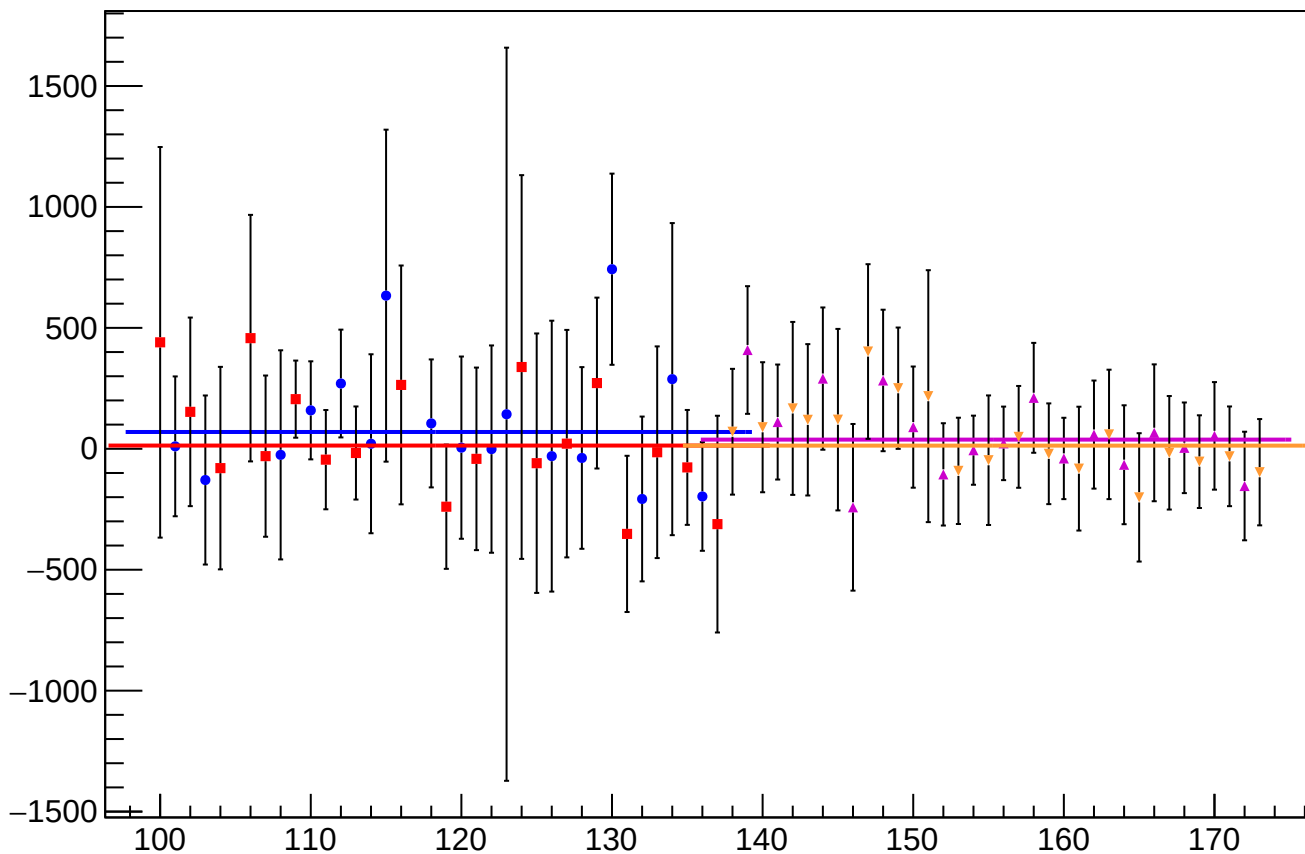
Right: 17.896 $\pm$ 0.003 χ^2 /NDF: 56643.8/35

In: 17.121 $\pm$ 0.003 χ^2 /NDF: 97985.5/33

Out: 17.285 $\pm$ 0.003 χ^2 /NDF: 106984.7/37

All: 17.205 $\pm$ 0.002 χ^2 /NDF: 206828.8/71

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511 $\pm$ 80.550 χ^2 /NDF: 7.4/16

Left Out: 13.146 $\pm$ 58.287 χ^2 /NDF:4.3/18

Right Out: 13.410 $\pm$ 71.041 χ^2 /NDF: 6.7/18

Left In: 37.976 $\pm$ 52.226 χ^2 /NDF:6.5/16

Left: 26.919 $\pm$ 38.896 χ^2 /NDF: 10.9/35

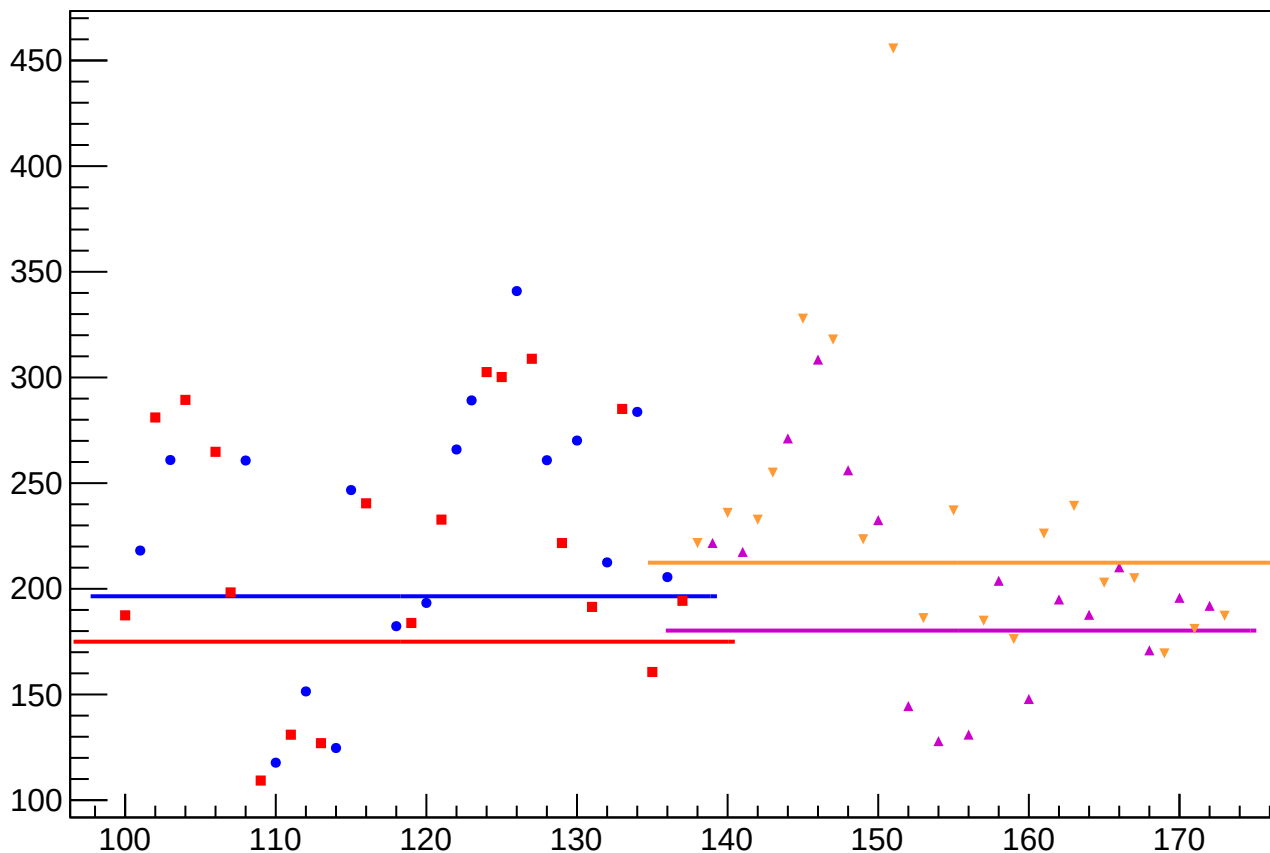
Right: 37.955 $\pm$ 53.280 χ^2 /NDF: 14.4/35

In: 47.309 $\pm$ 43.821 χ^2 /NDF:14.0/33

Out: 13.253 $\pm$ 45.061 χ^2 /NDF:11.0/37

All: 30.756 $\pm$ 31.415 χ^2 /NDF: 25.3/71

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470+/-0.057 χ^2/NDF : 964281.5/16

Left Out: 212.359+/-0.041 χ^2/NDF :1205479.0/18

Right Out: 174.981+/-0.050 χ^2/NDF : 1511102.3/18

Left In: 180.240+/-0.037 χ^2/NDF :1471497.0/16

Left: 194.543+/-0.028 χ^2/NDF : 3013841.1/35

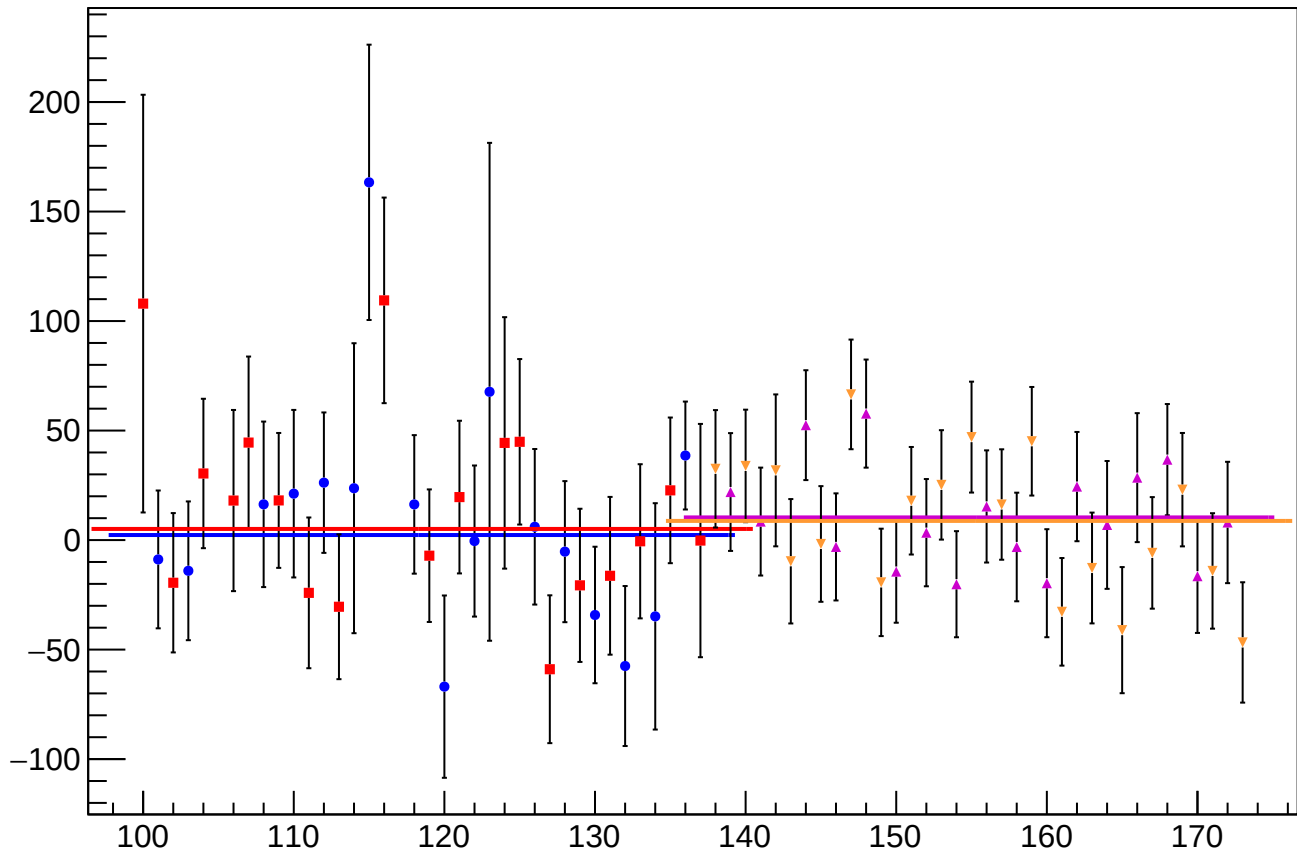
Right: 184.383+/-0.038 χ^2/NDF : 2555448.8/35

In: 185.043+/-0.031 χ^2/NDF :2492947.7/33

Out: 197.321+/-0.032 χ^2/NDF :3047478.3/37

All: 191.011+/-0.022 χ^2/NDF : 5616730.7/71

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307 ± 8.805 $\chi^2/\text{NDF}: 18.1/16$

Left Out: 8.749 ± 5.985 $\chi^2/\text{NDF}: 26.5/18$

Right Out: 5.089 ± 8.479 $\chi^2/\text{NDF}: 17.1/18$

Left In: 10.347 ± 6.176 $\chi^2/\text{NDF}: 14.5/16$

Left: 9.523 ± 4.298 $\chi^2/\text{NDF}: 41.1/35$

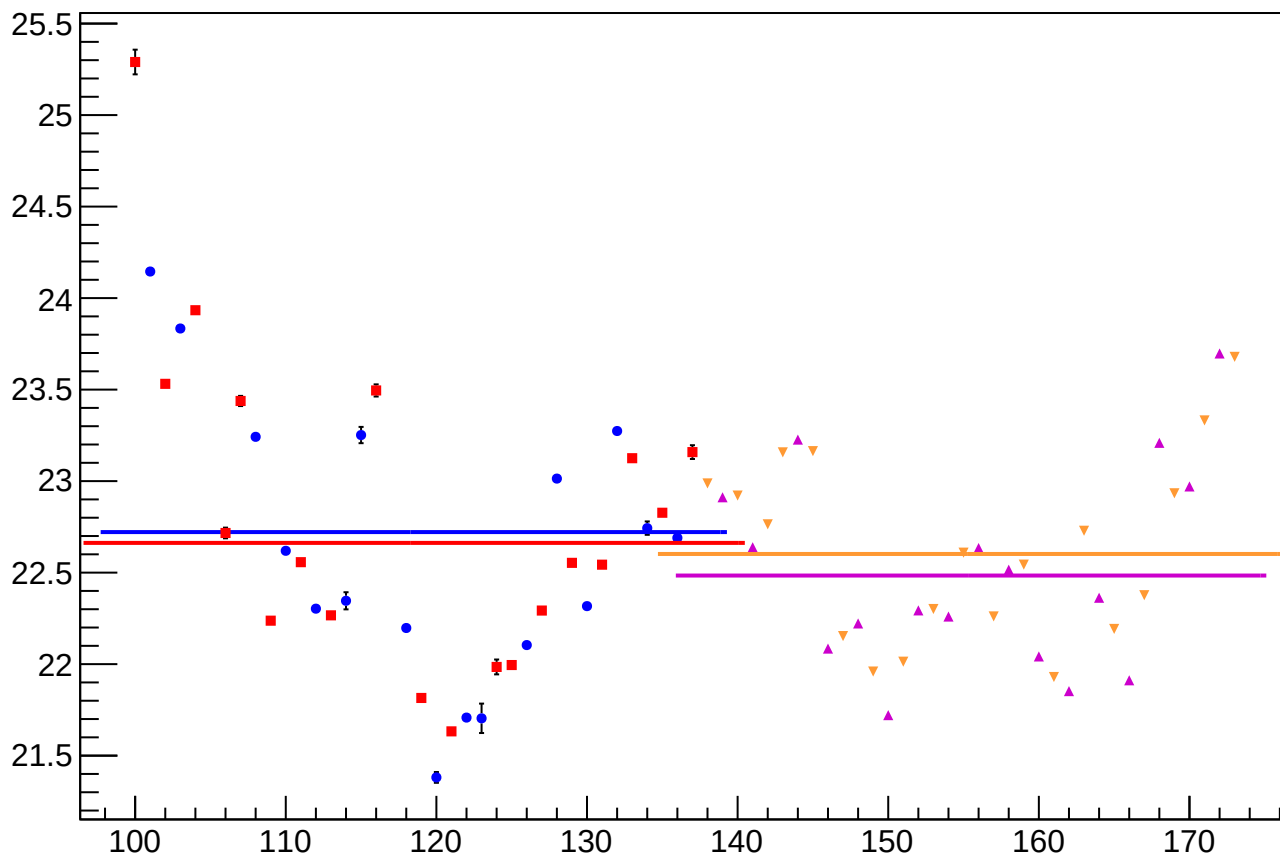
Right: 3.750 ± 6.108 $\chi^2/\text{NDF}: 35.3/35$

In: 7.696 ± 5.056 $\chi^2/\text{NDF}: 33.1/33$

Out: 7.532 ± 4.890 $\chi^2/\text{NDF}: 43.8/37$

All: 7.611 ± 3.515 $\chi^2/\text{NDF}: 76.9/71$

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722 $\pm$ 0.006 χ^2 /NDF: 13580.6/16

Left Out: 22.602 $\pm$ 0.004 χ^2 /NDF:13313.1/18

Right Out: 22.662 $\pm$ 0.006 χ^2 /NDF: 12955.6/18

Left In: 22.484 $\pm$ 0.004 χ^2 /NDF:14482.4/16

Left: 22.545 $\pm$ 0.003 χ^2 /NDF: 28171.2/35

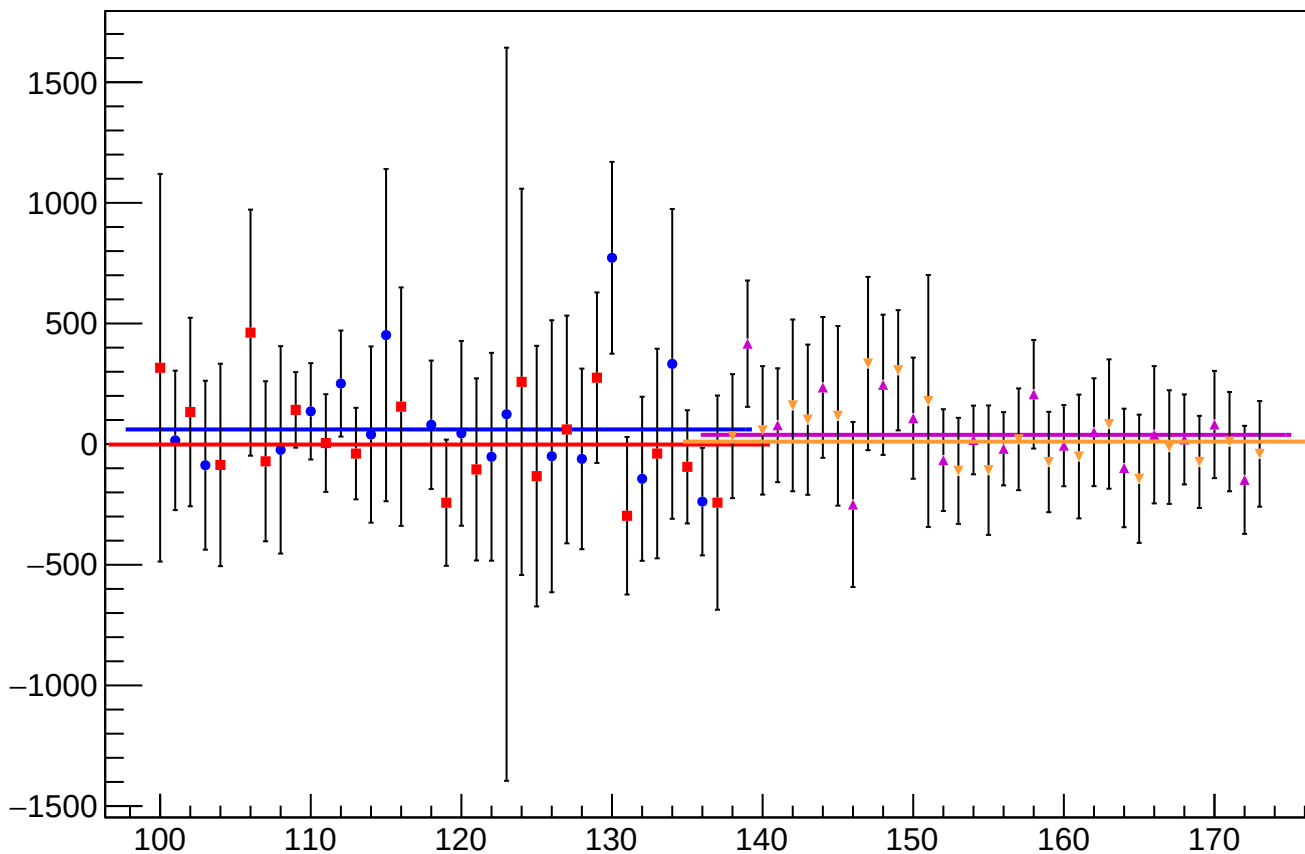
Right: 22.691 $\pm$ 0.004 χ^2 /NDF: 26582.8/35

In: 22.562 $\pm$ 0.004 χ^2 /NDF:29037.8/33

Out: 22.622 $\pm$ 0.003 χ^2 /NDF:26336.6/37

All: 22.593 $\pm$ 0.002 χ^2 /NDF: 55518.3/71

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 10.541 $\pm$ 58.161 χ^2 /NDF:4.1/18

Right Out: -1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

Left In: 38.590 $\pm$ 52.079 χ^2 /NDF:6.0/16

Left: 26.108 $\pm$ 38.798 χ^2 /NDF: 10.2/35

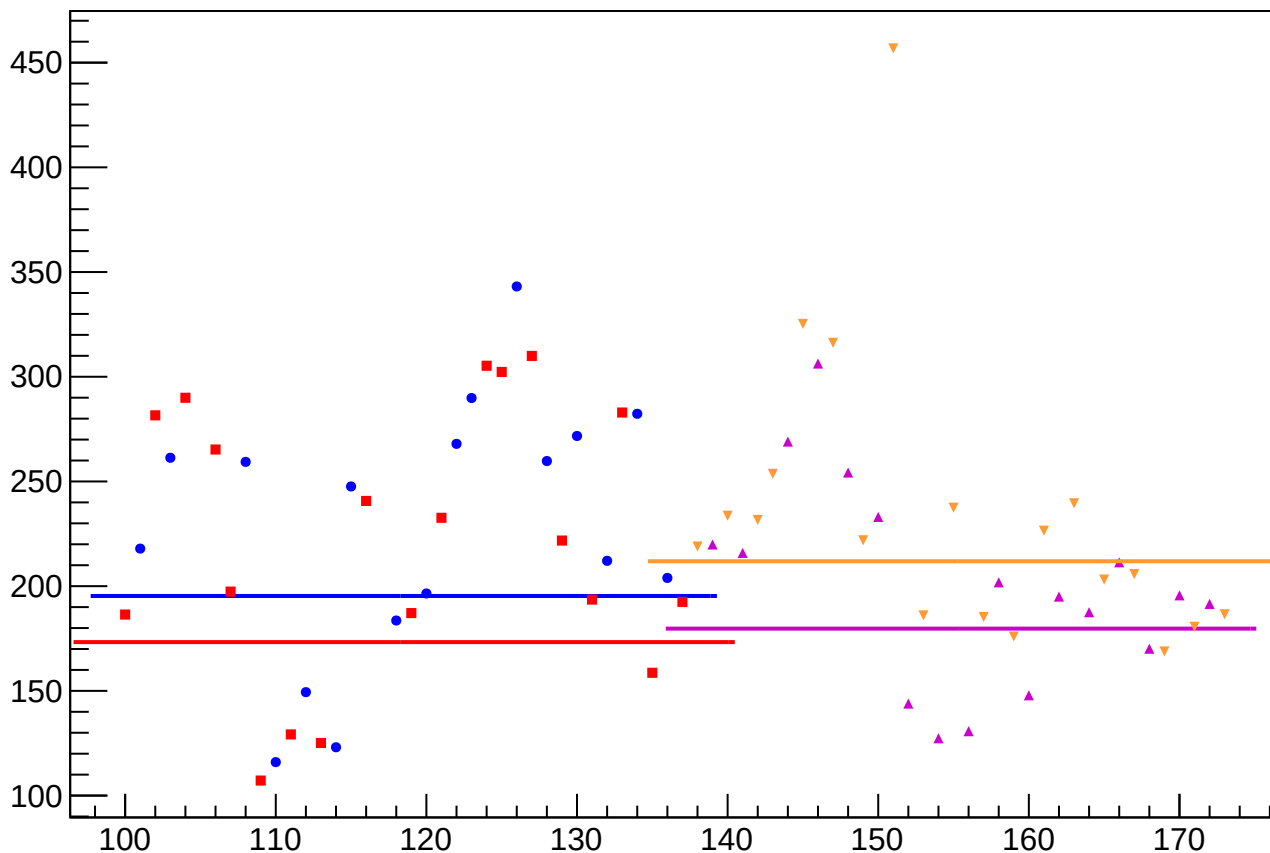
Right: 25.666 $\pm$ 52.970 χ^2 /NDF: 12.7/35

In: 45.225 $\pm$ 43.677 χ^2 /NDF:13.2/33

Out: 5.609 $\pm$ 44.877 χ^2 /NDF:9.3/37

All: 25.954 $\pm$ 31.300 χ^2 /NDF: 22.9/71

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.316+/-0.057 χ^2/NDF : 1004211.5/16

Left Out: 211.902+/-0.041 χ^2/NDF :1197552.9/18

Right Out: 173.285+/-0.050 χ^2/NDF : 1578382.8/18

Left In: 179.728+/-0.037 χ^2/NDF :1461589.2/16

Left: 194.045+/-0.027 χ^2/NDF : 2998818.2/35

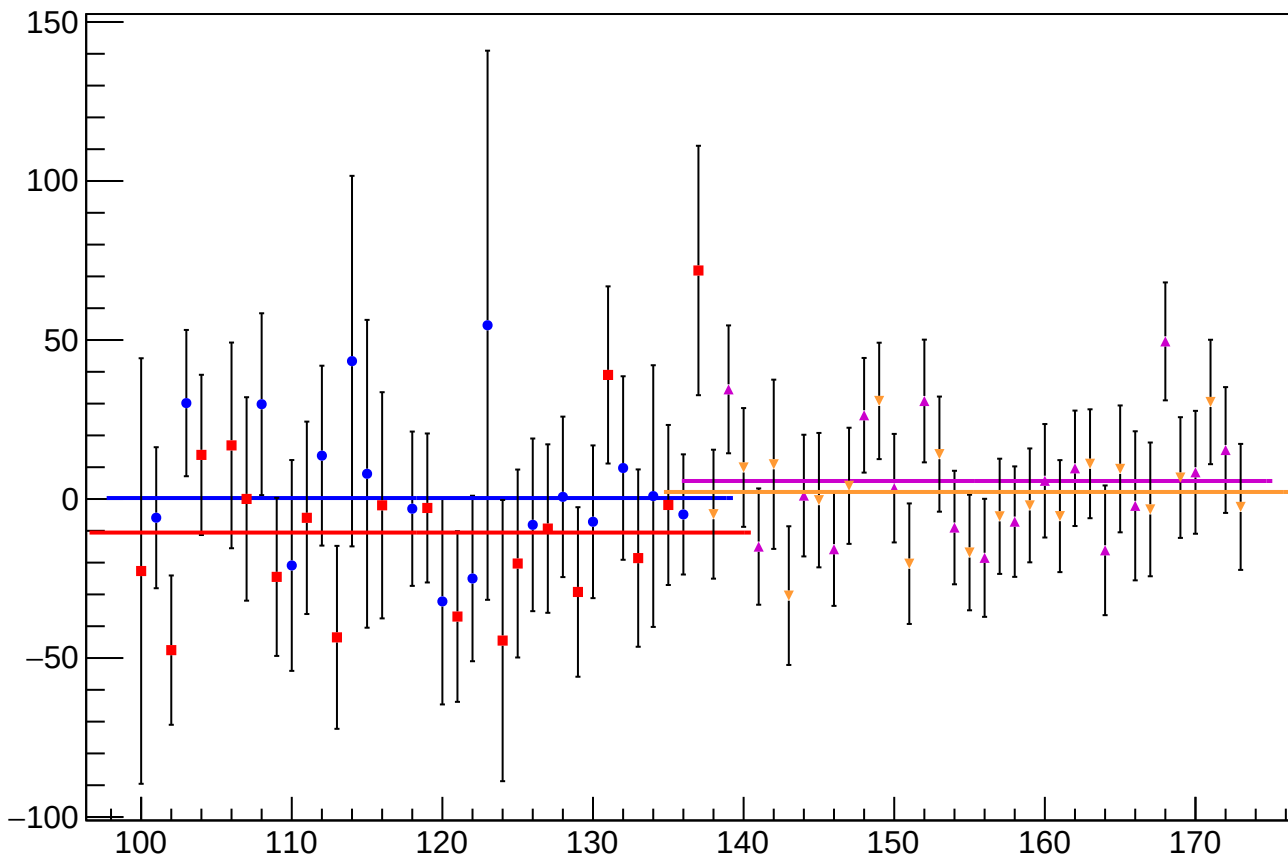
Right: 182.896+/-0.037 χ^2/NDF : 2667678.3/35

In: 184.352+/-0.031 χ^2/NDF :2518946.3/33

Out: 196.276+/-0.032 χ^2/NDF :3132699.7/37

All: 190.152+/-0.022 χ^2/NDF : 5724161.4/71

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305 ± 6.812 $\chi^2/\text{NDF}: 6.8/16$

Left Out: 2.215 ± 4.410 $\chi^2/\text{NDF}: 11.1/18$

Right Out: -10.553 ± 6.628 $\chi^2/\text{NDF}: 16.0/18$

Left In: 5.667 ± 4.543 $\chi^2/\text{NDF}: 17.9/16$

Left: 3.890 ± 3.164 $\chi^2/\text{NDF}: 29.4/35$

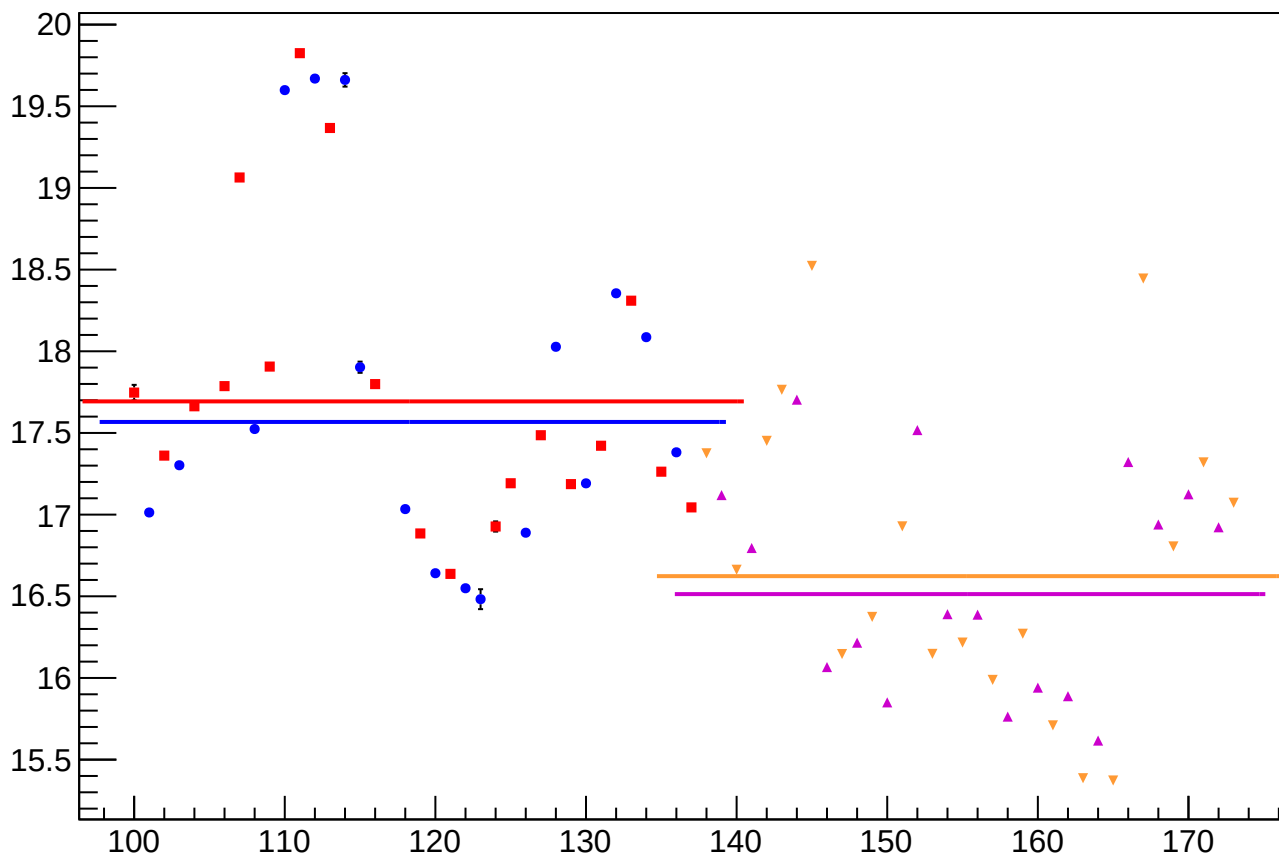
Right: -5.273 ± 4.751 $\chi^2/\text{NDF}: 24.1/35$

In: 4.017 ± 3.780 $\chi^2/\text{NDF}: 25.1/33$

Out: -1.703 ± 3.672 $\chi^2/\text{NDF}: 29.8/37$

All: 1.074 ± 2.634 $\chi^2/\text{NDF}: 56.1/71$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 16.623 $\pm$ 0.003 χ^2 /NDF: 76657.6/18

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

Left In: 16.513 $\pm$ 0.003 χ^2 /NDF: 38784.9/16

Left: 16.570 $\pm$ 0.002 χ^2 /NDF: 116045.2/35

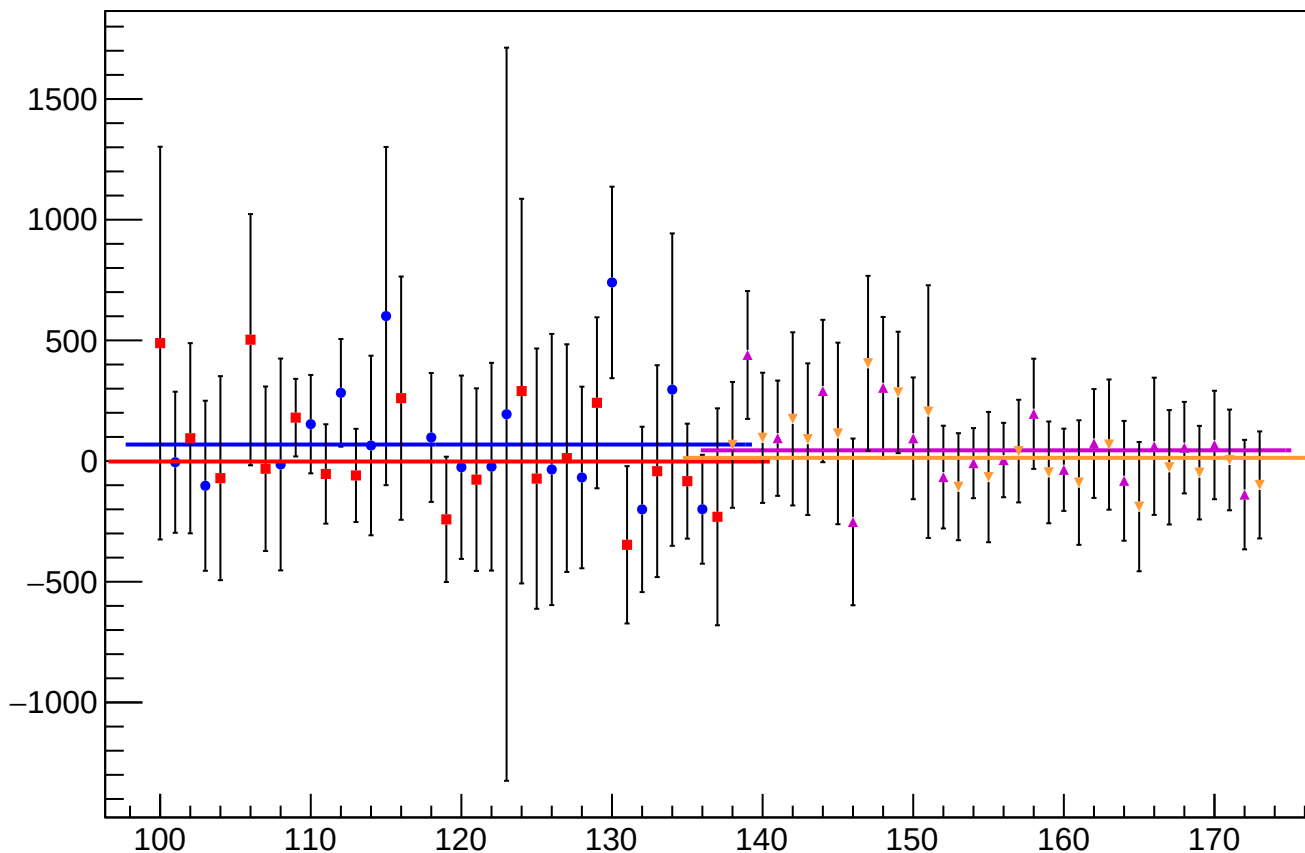
Right: 17.632 $\pm$ 0.003 χ^2 /NDF: 64262.5/35

In: 16.838 $\pm$ 0.003 χ^2 /NDF: 105066.1/33

Out: 16.952 $\pm$ 0.003 χ^2 /NDF: 143546.5/37

All: 16.896 $\pm$ 0.002 χ^2 /NDF: 249544.7/71

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553 $\pm$ 81.018 χ^2 /NDF: 7.3/16

Left Out: 13.280 $\pm$ 58.765 χ^2 /NDF:4.6/18

Right Out: -1.831 $\pm$ 71.538 χ^2 /NDF: 6.1/18

Left In: 44.506 $\pm$ 52.743 χ^2 /NDF:6.6/16

Left: 30.575 $\pm$ 39.252 χ^2 /NDF: 11.3/35

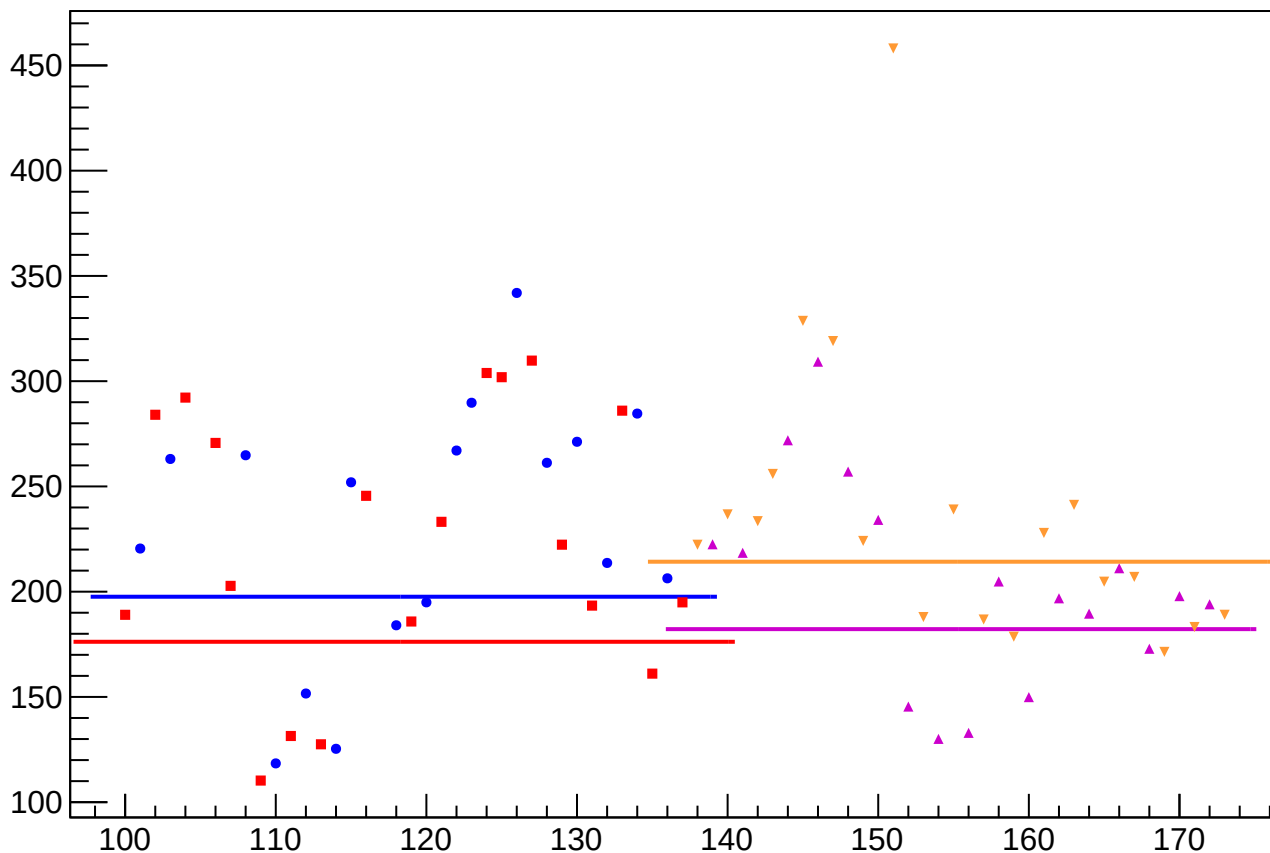
Right: 29.004 $\pm$ 53.625 χ^2 /NDF: 13.9/35

In: 51.664 $\pm$ 44.202 χ^2 /NDF:14.0/33

Out: 7.192 $\pm$ 45.408 χ^2 /NDF:10.7/37

All: 30.027 $\pm$ 31.673 χ^2 /NDF: 25.2/71

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 214.237 $\pm$ 0.042 χ^2 /NDF:1179154.1/18

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

Left In: 182.211 $\pm$ 0.037 χ^2 /NDF:1426950.5/16

Left: 196.500 $\pm$ 0.028 χ^2 /NDF: 2935104.4/35

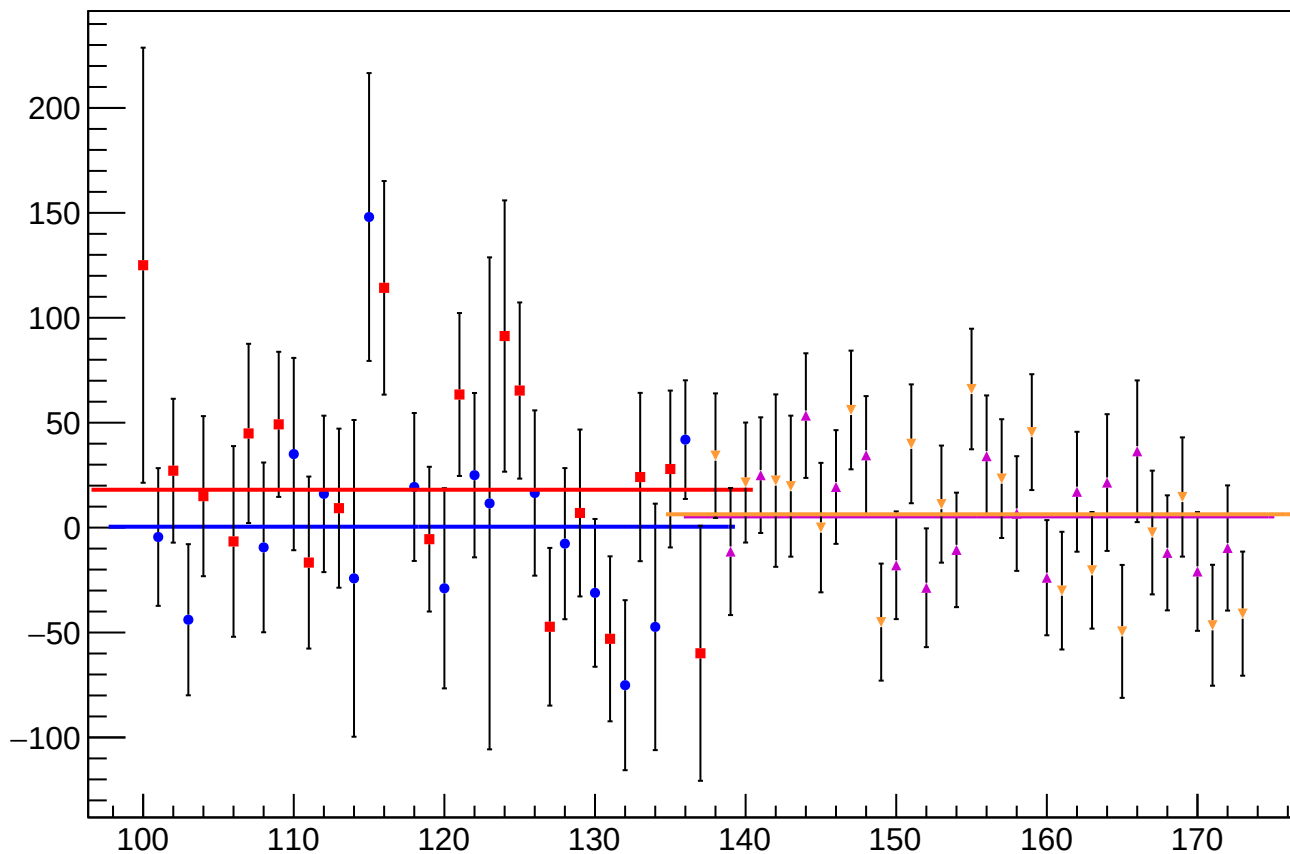
Right: 185.577 $\pm$ 0.038 χ^2 /NDF: 2567082.7/35

In: 186.793 $\pm$ 0.031 χ^2 /NDF:2446478.7/33

Out: 198.912 $\pm$ 0.032 χ^2 /NDF:3036578.7/37

All: 192.689 $\pm$ 0.022 χ^2 /NDF: 5556212.9/71

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427 ± 9.884 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 6.350 ± 6.738 $\chi^2/\text{NDF}: 27.9/18$

Right Out: 18.044 ± 9.499 $\chi^2/\text{NDF}: 19.5/18$

Left In: 5.332 ± 6.921 $\chi^2/\text{NDF}: 12.3/16$

Left: 5.855 ± 4.828 $\chi^2/\text{NDF}: 40.2/35$

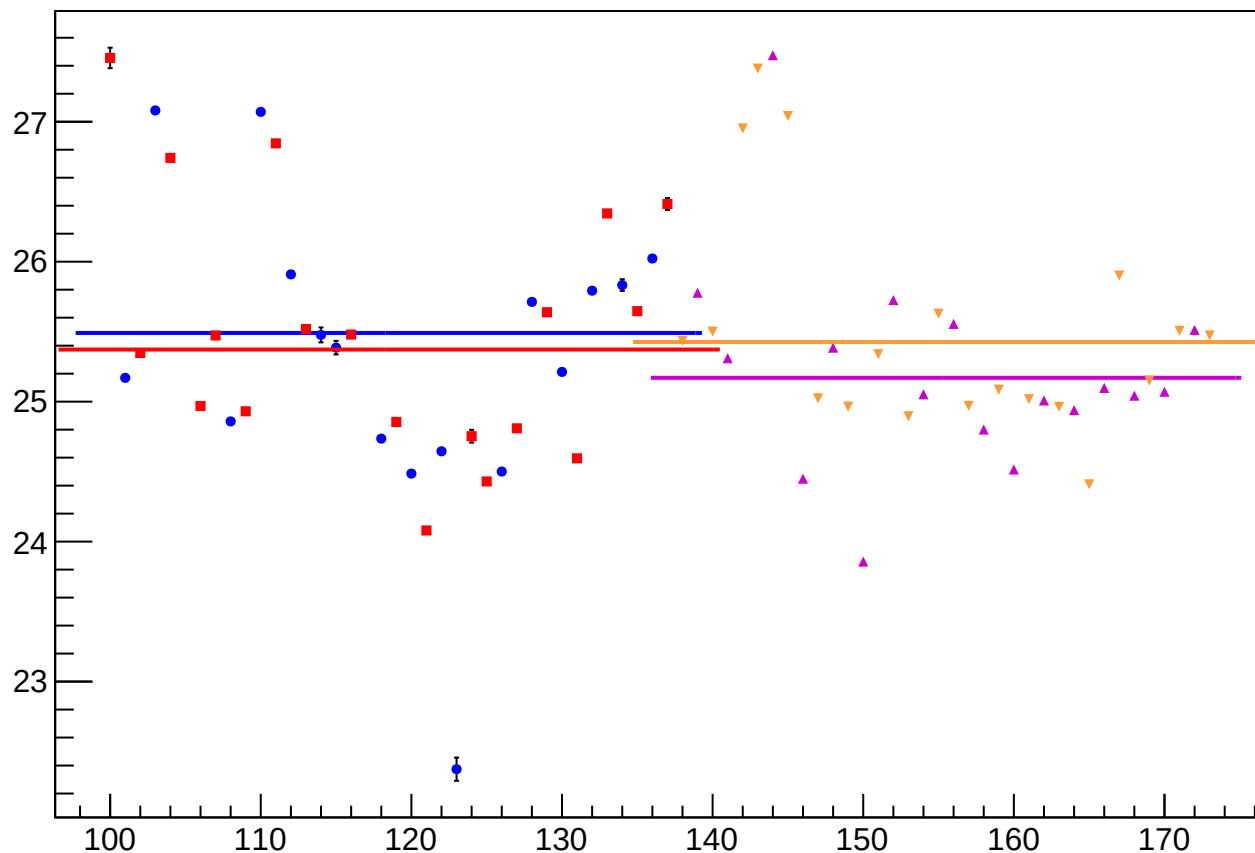
Right: 9.585 ± 6.849 $\chi^2/\text{NDF}: 36.6/35$

In: 3.718 ± 5.669 $\chi^2/\text{NDF}: 27.9/33$

Out: 10.264 ± 5.496 $\chi^2/\text{NDF}: 48.4/37$

All: 7.093 ± 3.946 $\chi^2/\text{NDF}: 77.0/71$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 25.426 $\pm$ 0.005 χ^2 /NDF:21397.9/18

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

Left In: 25.170 $\pm$ 0.005 χ^2 /NDF:22842.6/16

Left: 25.302 $\pm$ 0.003 χ^2 /NDF: 45639.2/35

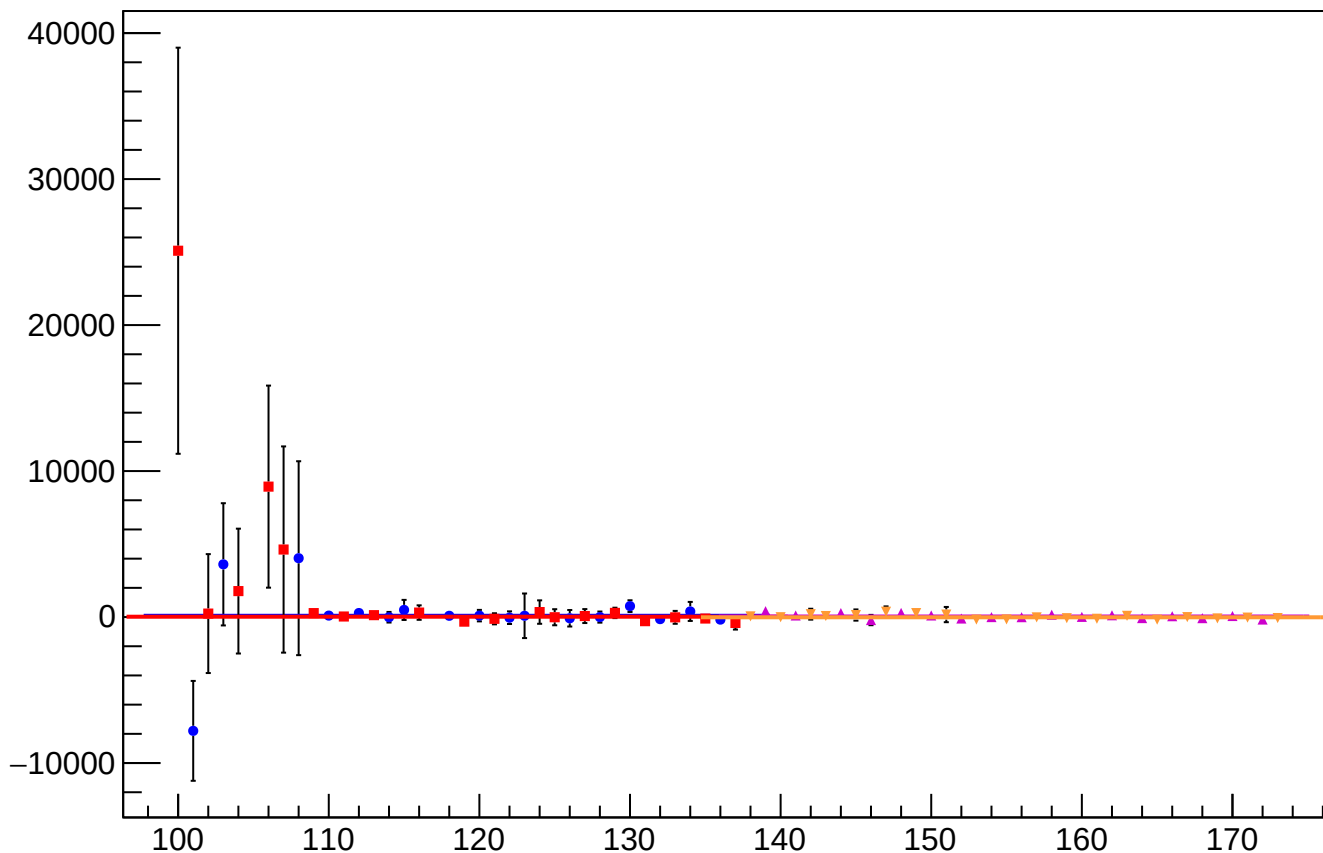
Right: 25.429 $\pm$ 0.005 χ^2 /NDF: 27413.4/35

In: 25.276 $\pm$ 0.004 χ^2 /NDF:37966.3/33

Out: 25.408 $\pm$ 0.004 χ^2 /NDF:34990.9/37

All: 25.344 $\pm$ 0.003 χ^2 /NDF: 73516.5/71

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558+/-88.423 χ^2/NDF : 12.5/16

Left Out: -16.331+/-59.166 χ^2/NDF : 4.7/18

Right Out: 23.352+/-80.948 χ^2/NDF : 11.9/18

Left In: 37.652+/-53.360 χ^2/NDF : 6.3/16

Left: 13.438+/-39.625 χ^2/NDF : 11.5/35

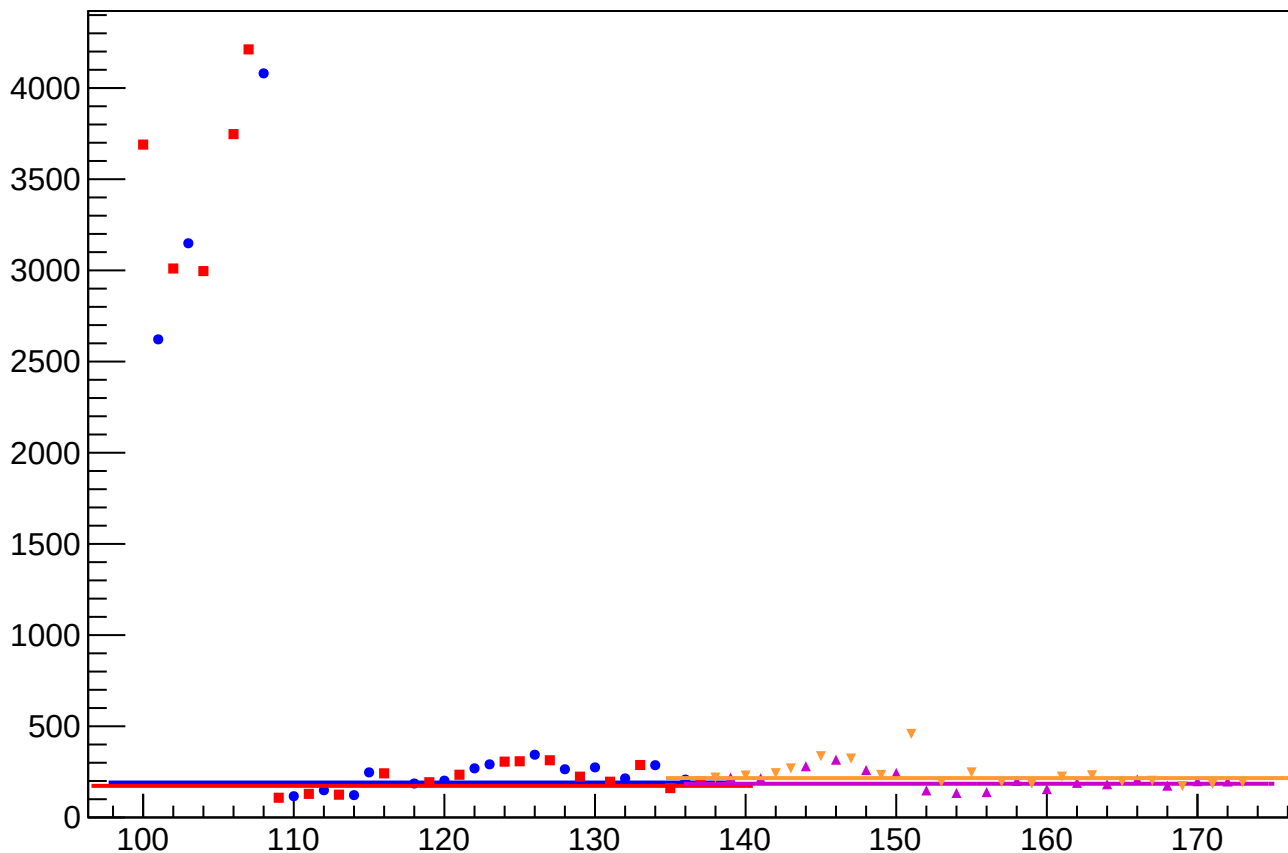
Right: 52.171+/-59.707 χ^2/NDF : 24.7/35

In: 50.707+/-45.686 χ^2/NDF : 19.0/33

Out: -2.513+/-47.767 χ^2/NDF : 16.8/37

All: 25.281+/-33.016 χ^2/NDF : 36.5/71

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 191.478+/-0.063 χ^2/NDF : 3573154.3/16

Left Out: 215.817+/-0.042 χ^2/NDF :1175494.2/18

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

Left In: 184.809+/-0.038 χ^2/NDF :1319501.8/16

Left: 198.718+/-0.028 χ^2/NDF : 2797922.7/35

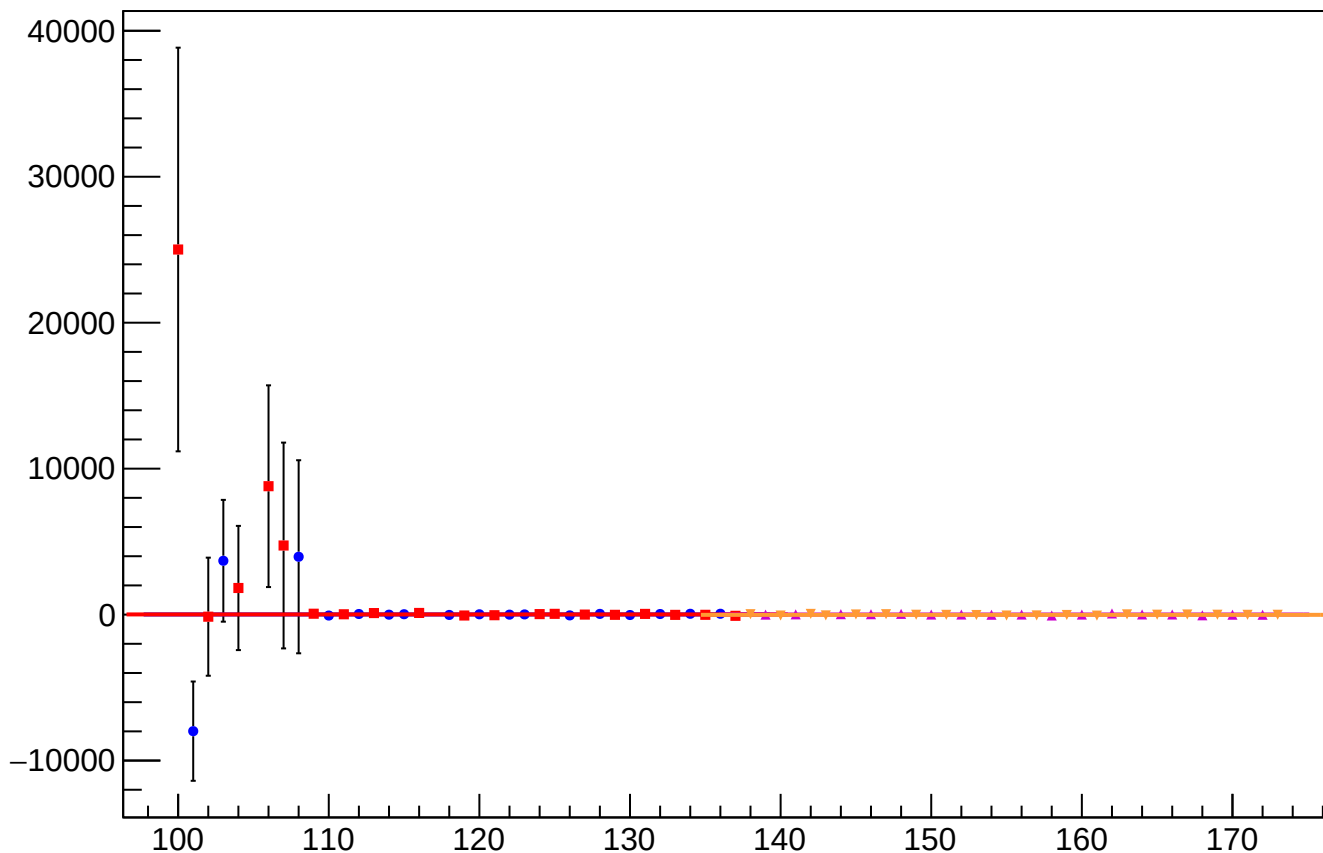
Right: 181.587+/-0.042 χ^2/NDF : 7826577.3/35

In: 186.590+/-0.032 χ^2/NDF :4900994.8/33

Out: 201.012+/-0.034 χ^2/NDF :5742587.5/37

All: 193.480+/-0.023 χ^2/NDF : 10738797.2/73

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.286+/-12.282 χ^2/NDF : 18.4/16

Left Out: -16.609+/-7.665 χ^2/NDF :16.7/18

Right Out: 12.668+/-12.232 χ^2/NDF : 24.8/18

Left In: 6.855+/-7.945 χ^2/NDF :17.6/16

Left: -5.298+/-5.516 χ^2/NDF : 38.9/35

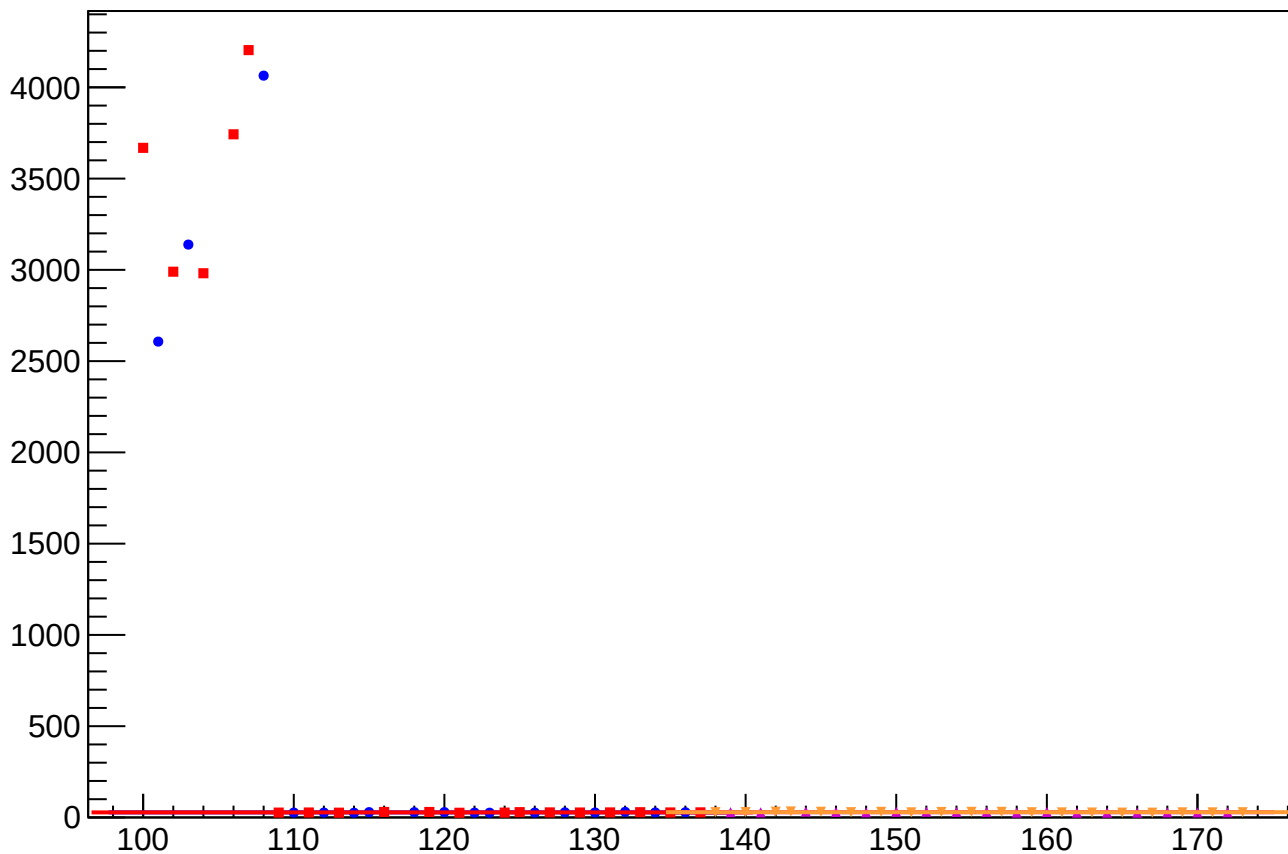
Right: 11.482+/-8.667 χ^2/NDF : 43.2/35

In: 7.867+/-6.671 χ^2/NDF :36.1/33

Out: -8.354+/-6.495 χ^2/NDF :45.7/37

All: -0.460+/-4.654 χ^2/NDF : 84.8/71

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.855+/-0.009 χ^2/NDF : 3027666.8/16

Left Out: 28.866+/-0.005 χ^2/NDF : 96649.0/18

Right Out: 27.695+/-0.009 χ^2/NDF : 3476852.9/18

Left In: 28.819+/-0.006 χ^2/NDF : 111324.9/16

Left: 28.843+/-0.004 χ^2/NDF : 208010.4/35

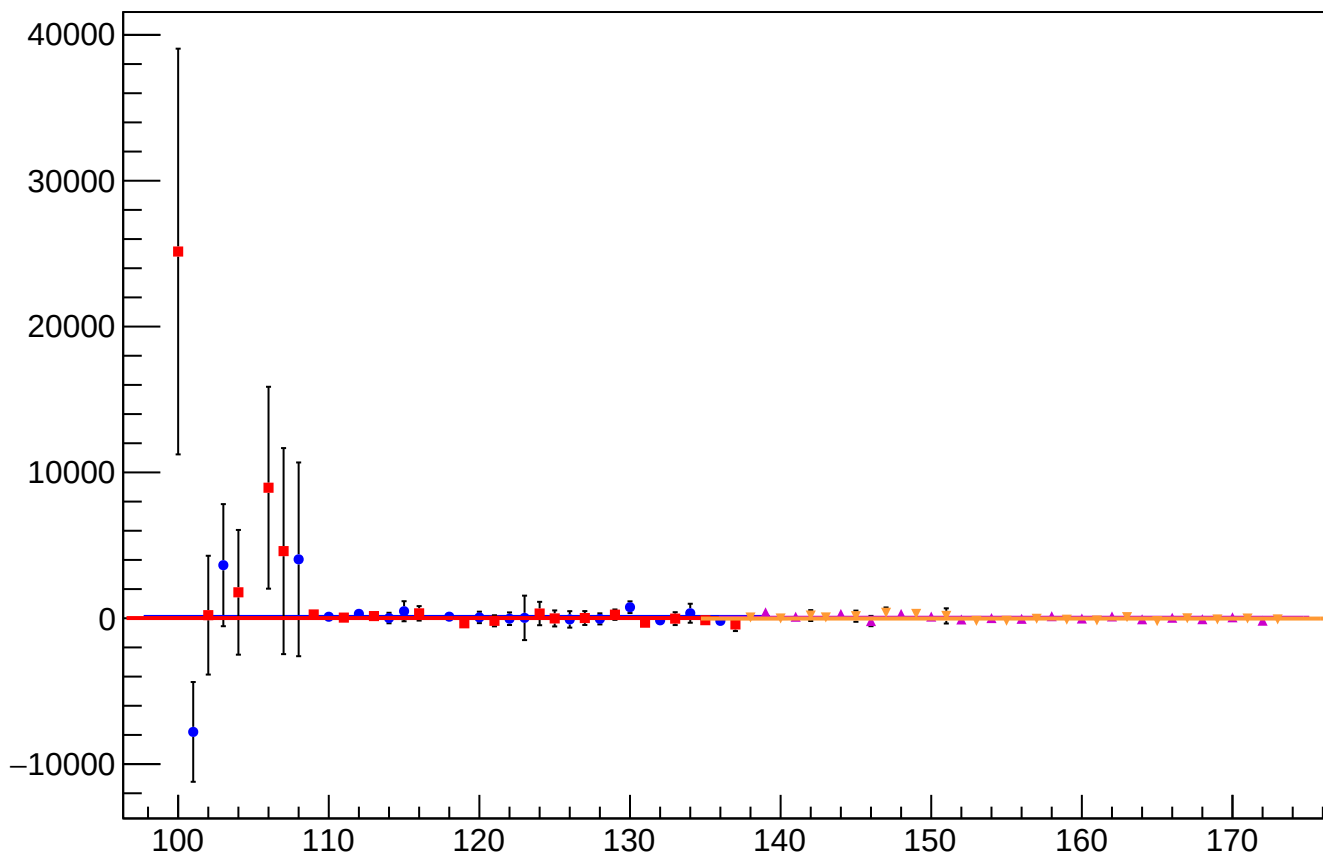
Right: 27.774+/-0.006 χ^2/NDF : 6504689.9/35

In: 28.534+/-0.005 χ^2/NDF : 3147678.0/33

Out: 28.536+/-0.005 χ^2/NDF : 3586666.5/37

All: 28.535+/-0.003 χ^2/NDF : 6734344.5/71

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 90.773+/-88.149 χ^2/NDF : 12.8/16

Left Out: -20.744+/-59.038 χ^2/NDF : 5.4/18

Right Out: 13.341+/-80.686 χ^2/NDF : 12.7/18

Left In: 36.341+/-53.256 χ^2/NDF : 6.4/16

Left: 10.730+/-39.544 χ^2/NDF : 12.3/35

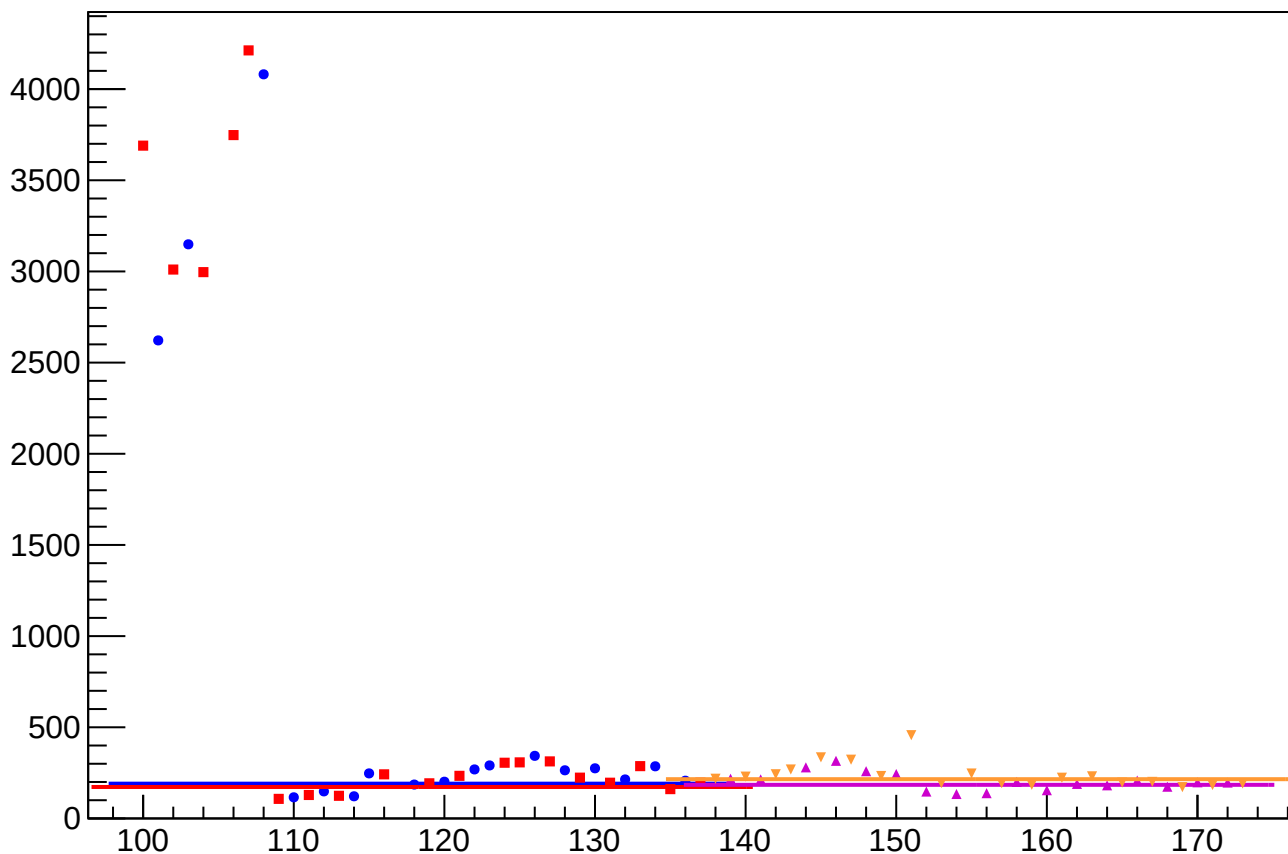
Right: 48.642+/-59.518 χ^2/NDF : 25.9/35

In: 50.897+/-45.583 χ^2/NDF : 19.5/33

Out: -8.858+/-47.646 χ^2/NDF : 18.2/37

All: 22.341+/-32.937 χ^2/NDF : 38.4/71

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 190.770+/-0.062 χ^2/NDF : 3585034.0/16

Left Out: 215.356+/-0.042 χ^2/NDF :1175149.6/18

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

Left In: 184.452+/-0.038 χ^2/NDF :1319240.3/16

Left: 198.317+/-0.028 χ^2/NDF : 2796535.4/35

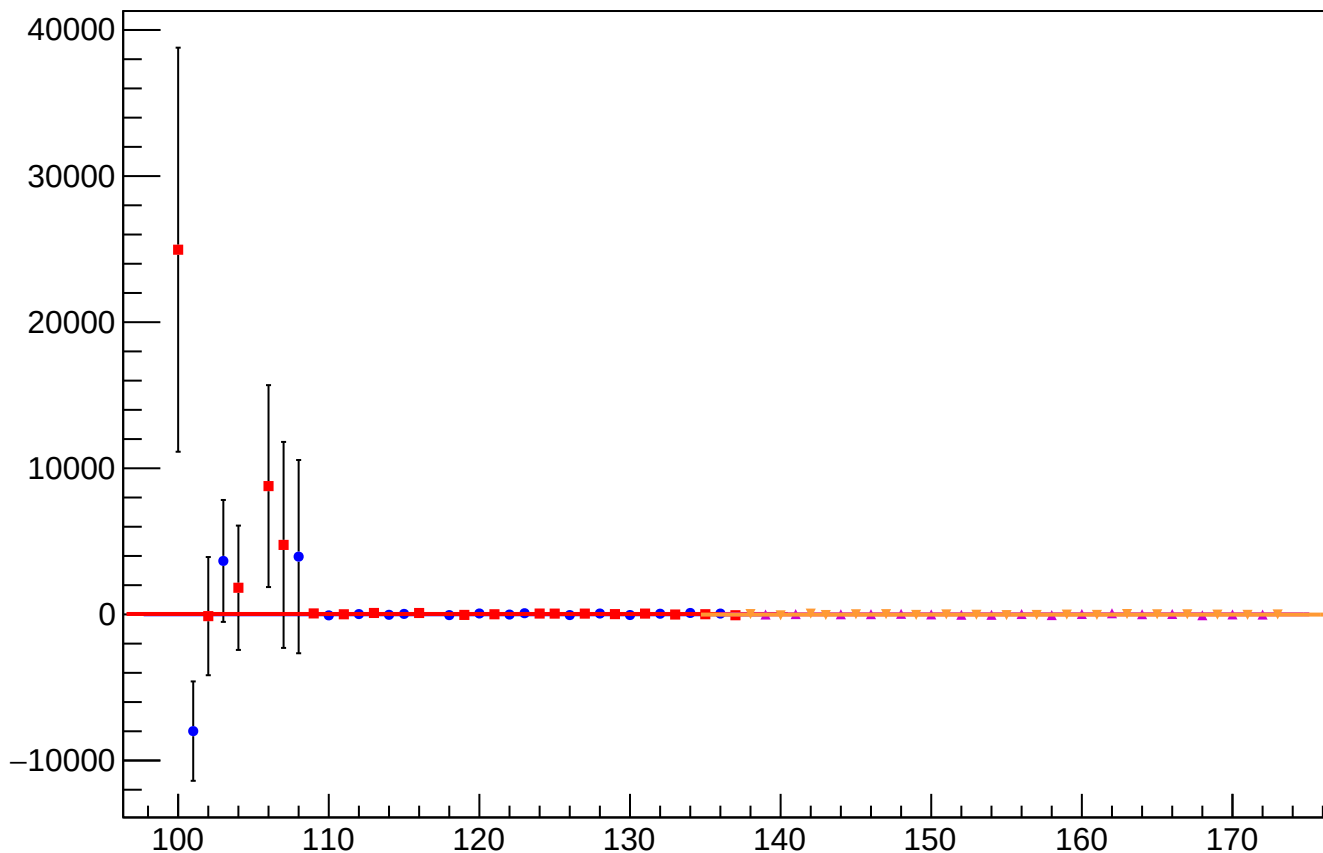
Right: 180.899+/-0.042 χ^2/NDF : 7849745.6/35

In: 186.141+/-0.032 χ^2/NDF :4911800.0/33

Out: 200.457+/-0.034 χ^2/NDF :5759039.4/37

All: 192.983+/-0.023 χ^2/NDF : 10765110.5/73

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -13.146 $\pm$ 7.717 χ^2 /NDF:11.9/18

Right Out: 29.397 $\pm$ 12.333 χ^2 /NDF: 16.8/18

Left In: 5.769 $\pm$ 7.992 χ^2 /NDF:17.6/16

Left: -4.019 $\pm$ 5.552 χ^2 /NDF: 32.4/35

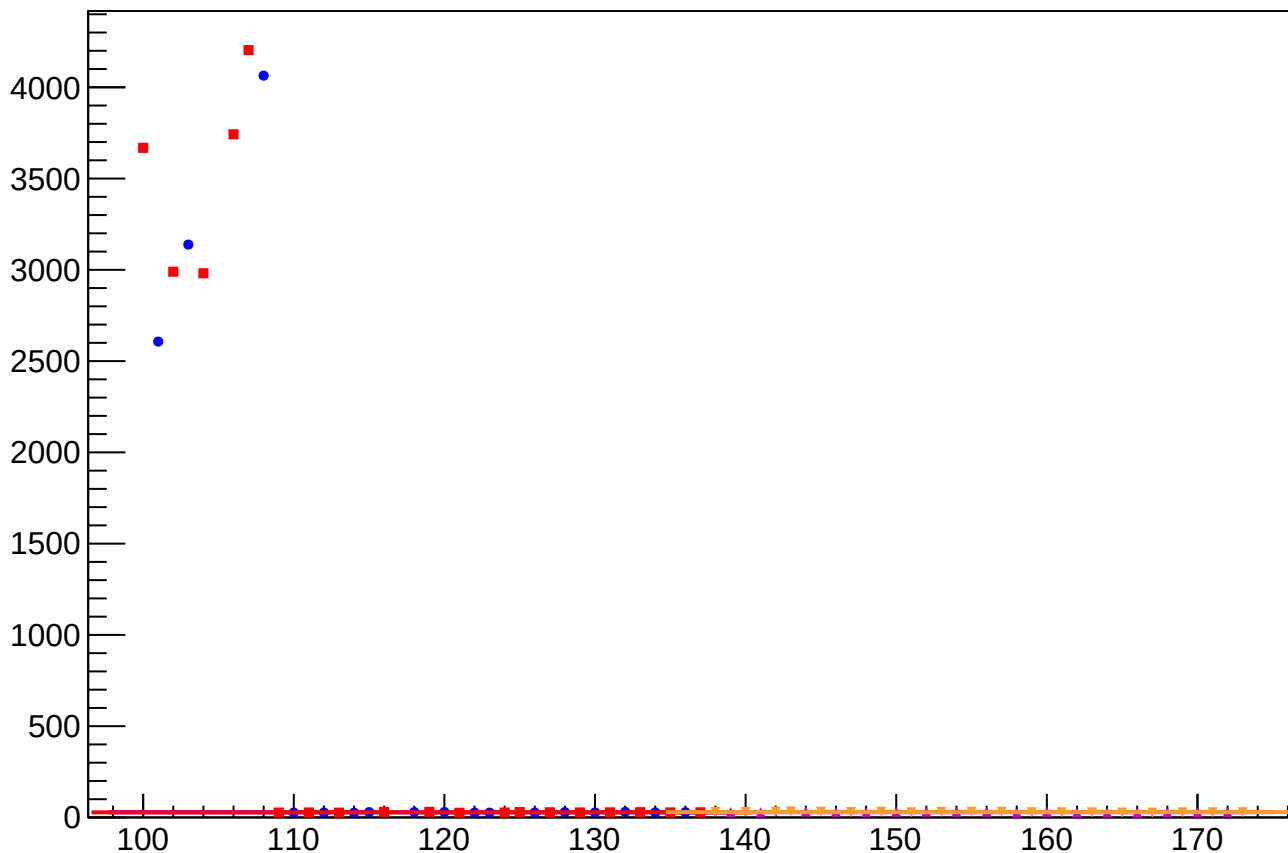
Right: 19.027 $\pm$ 8.733 χ^2 /NDF: 41.4/35

In: 6.603 $\pm$ 6.712 χ^2 /NDF:40.9/33

Out: -1.175 $\pm$ 6.542 χ^2 /NDF:37.2/37

All: 2.614 $\pm$ 4.685 χ^2 /NDF: 78.8/71

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 28.044+/-0.009 χ^2/NDF : 3027898.7/16

Left Out: 29.059+/-0.005 χ^2/NDF :102273.2/18

Right Out: 27.918+/-0.009 χ^2/NDF : 3479690.8/18

Left In: 28.991+/-0.006 χ^2/NDF :112352.0/16

Left: 29.026+/-0.004 χ^2/NDF : 214699.2/35

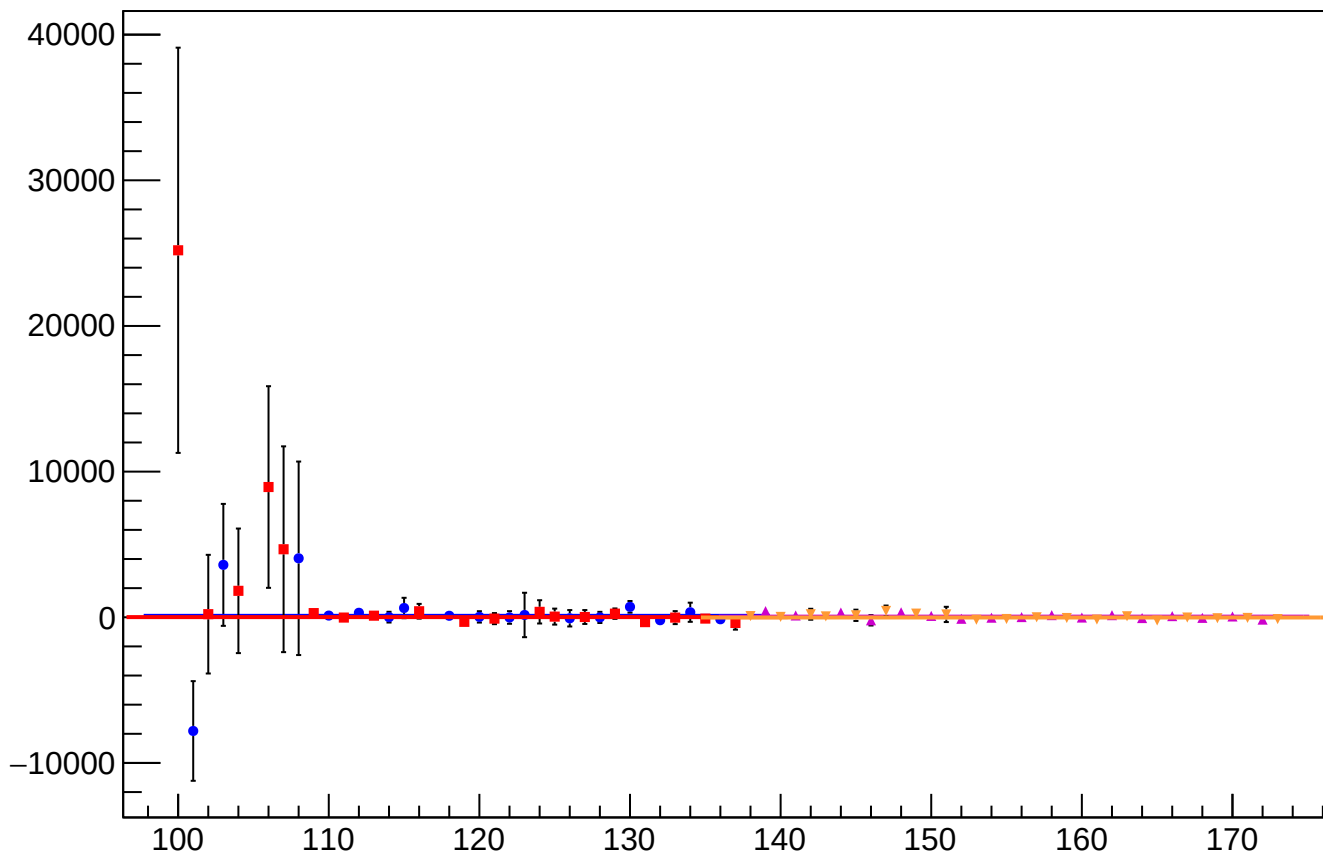
Right: 27.981+/-0.006 χ^2/NDF : 6507693.6/35

In: 28.712+/-0.005 χ^2/NDF :3148530.4/33

Out: 28.738+/-0.005 χ^2/NDF :3594266.1/37

All: 28.725+/-0.003 χ^2/NDF : 6742811.4/71

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 98.142+/-89.203 χ^2/NDF : 12.5/16

Left Out: -14.045+/-59.747 χ^2/NDF : 5.3/18

Right Out: 11.728+/-81.772 χ^2/NDF : 12.3/18

Left In: 44.019+/-54.005 χ^2/NDF : 7.0/16

Left: 17.911+/-40.064 χ^2/NDF : 12.8/35

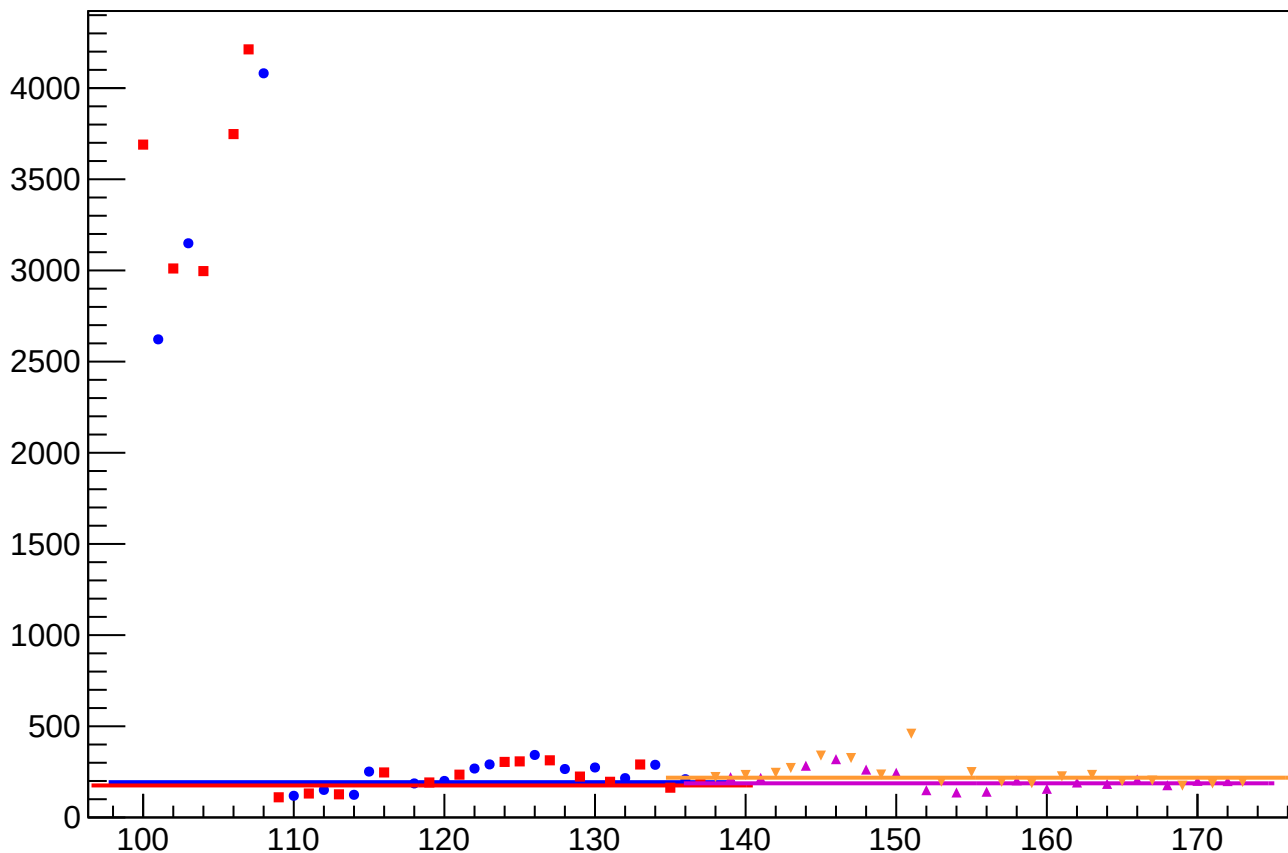
Right: 51.186+/-60.278 χ^2/NDF : 25.3/35

In: 58.536+/-46.198 χ^2/NDF : 19.8/33

Out: -5.075+/-48.242 χ^2/NDF : 17.7/37

All: 28.107+/-33.366 χ^2/NDF : 38.3/71

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.516+/-0.063 χ^2/NDF : 3536947.8/16

Left Out: 218.056+/-0.042 χ^2/NDF :1161259.0/18

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

Left In: 187.217+/-0.038 χ^2/NDF :1289753.2/16

Left: 201.084+/-0.028 χ^2/NDF : 2744245.2/35

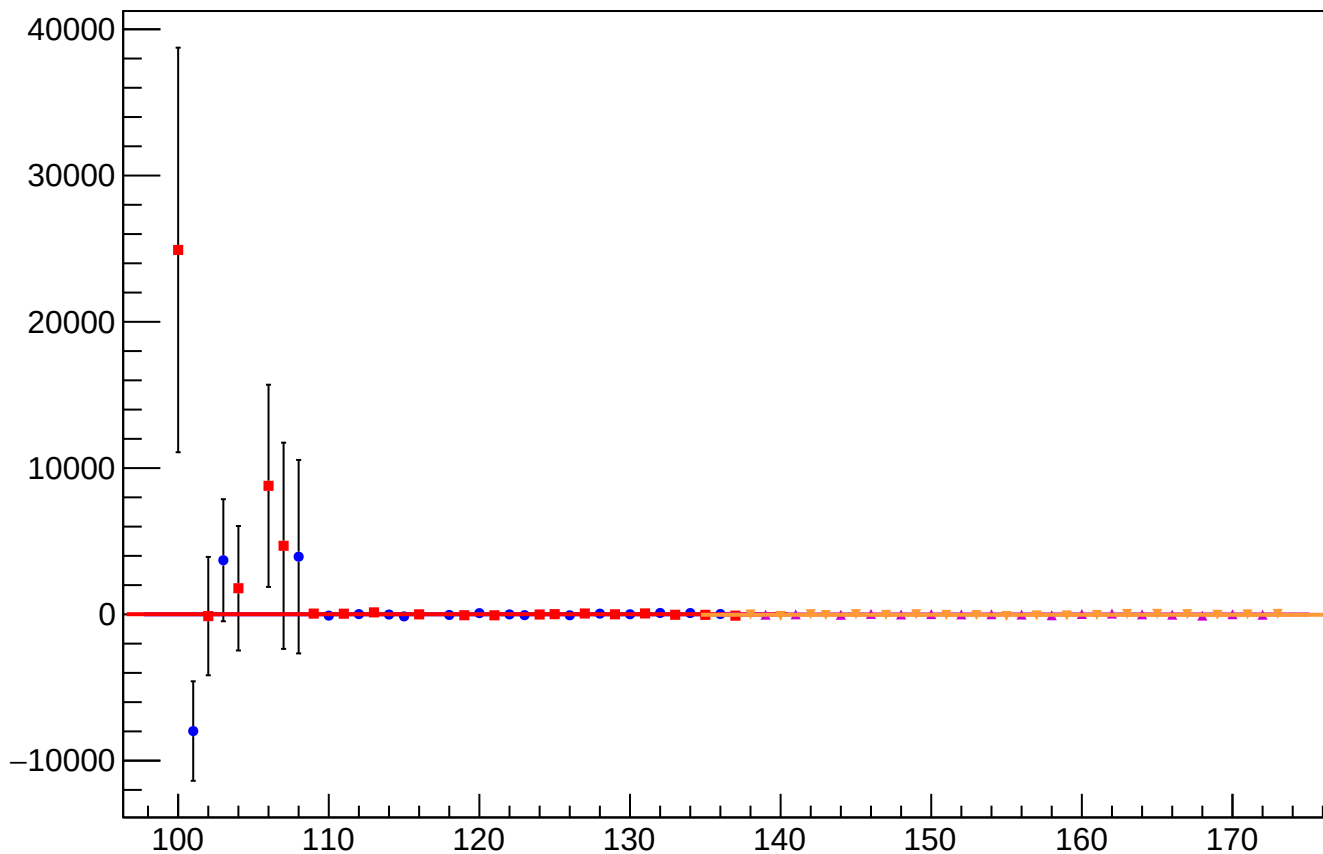
Right: 183.732+/-0.043 χ^2/NDF : 7746808.4/35

In: 188.907+/-0.033 χ^2/NDF :4833998.7/33

Out: 203.247+/-0.034 χ^2/NDF :5679819.2/37

All: 195.767+/-0.024 χ^2/NDF : 10606005.6/73

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565+/-15.052 χ^2/NDF : 20.4/16

Left Out: -26.422+/-9.209 χ^2/NDF :22.0/18

Right Out: 12.158+/-14.952 χ^2/NDF : 21.9/18

Left In: -3.444+/-9.550 χ^2/NDF :12.0/16

Left: -15.351+/-6.629 χ^2/NDF : 37.1/35

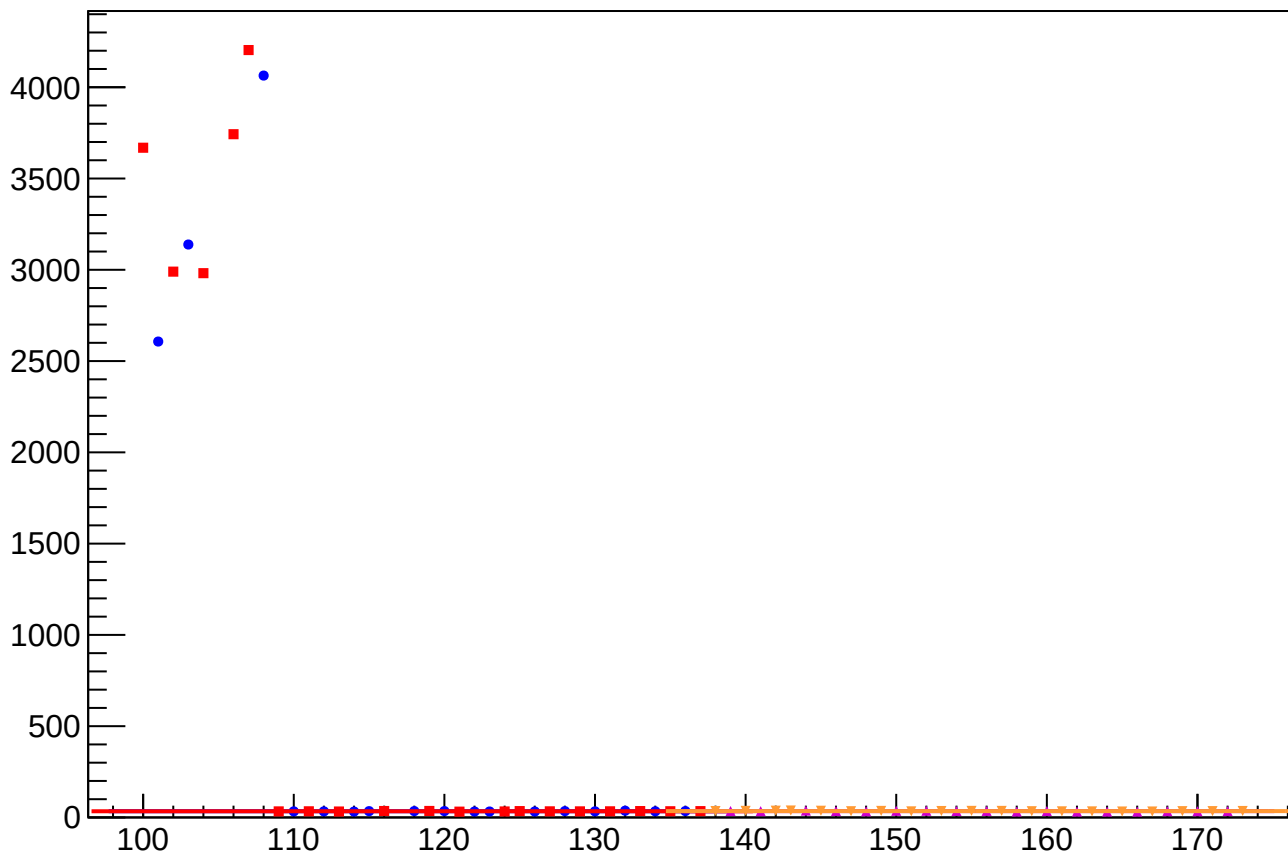
Right: 8.883+/-10.608 χ^2/NDF : 42.5/35

In: -0.858+/-8.064 χ^2/NDF :32.7/33

Out: -15.813+/-7.841 χ^2/NDF :48.8/37

All: -8.545+/-5.622 χ^2/NDF : 83.3/71

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 34.733 $\pm$ 0.007 χ^2 /NDF: 47405.7/18

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

Left In: 34.709 $\pm$ 0.007 χ^2 /NDF: 52025.1/16

Left: 34.722 $\pm$ 0.005 χ^2 /NDF: 99437.5/35

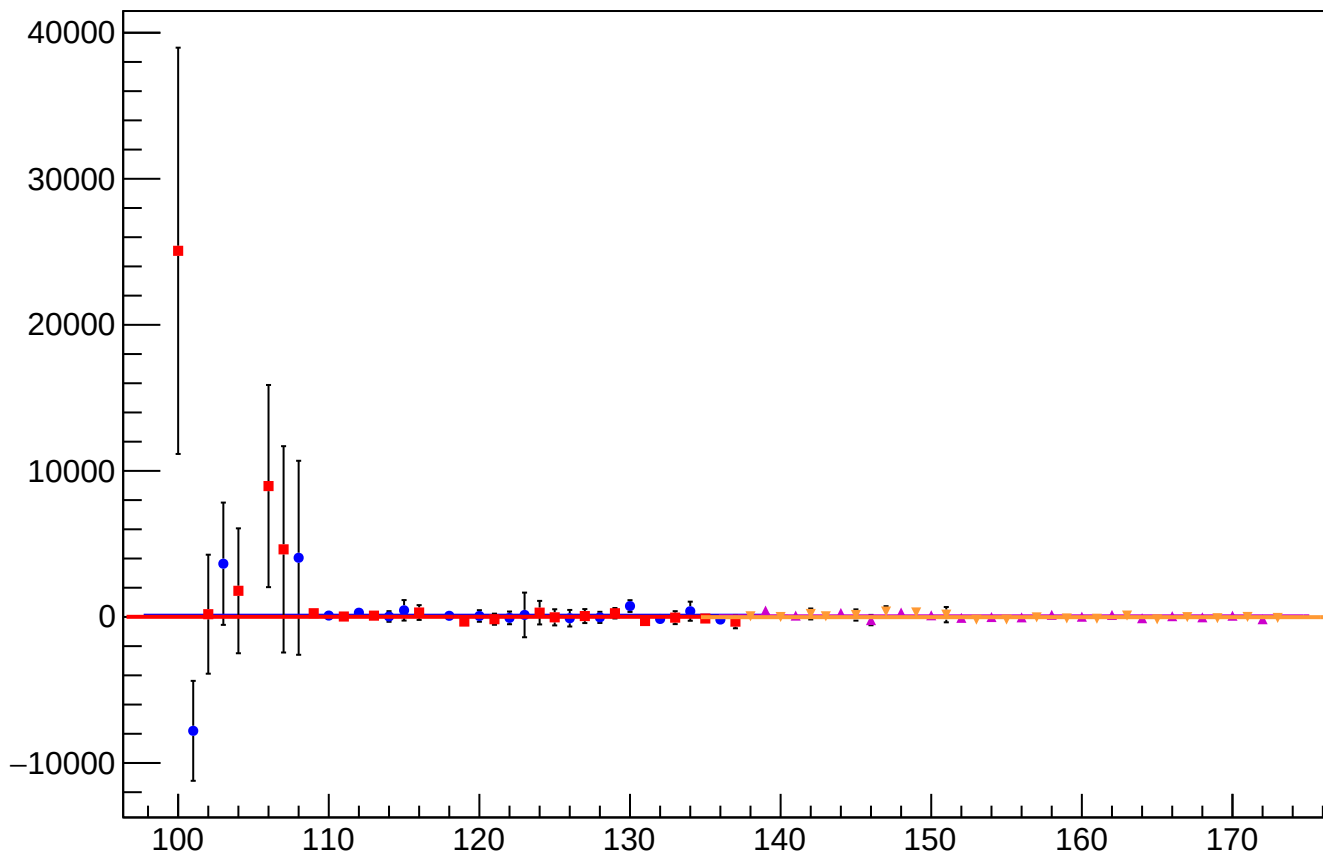
Right: 34.039 $\pm$ 0.008 χ^2 /NDF: 6458714.0/35

In: 34.554 $\pm$ 0.006 χ^2 /NDF: 3060383.7/33

Out: 34.508 $\pm$ 0.006 χ^2 /NDF: 3503687.5/37

All: 34.530 $\pm$ 0.004 χ^2 /NDF: 6564104.4/71

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 84.504+/-88.746 χ^2/NDF : 12.5/16

Left Out: -15.999+/-59.625 χ^2/NDF : 5.2/18

Right Out: 8.565+/-81.257 χ^2/NDF : 11.1/18

Left In: 44.357+/-53.864 χ^2/NDF : 6.3/16

Left: 17.235+/-39.970 χ^2/NDF : 12.1/35

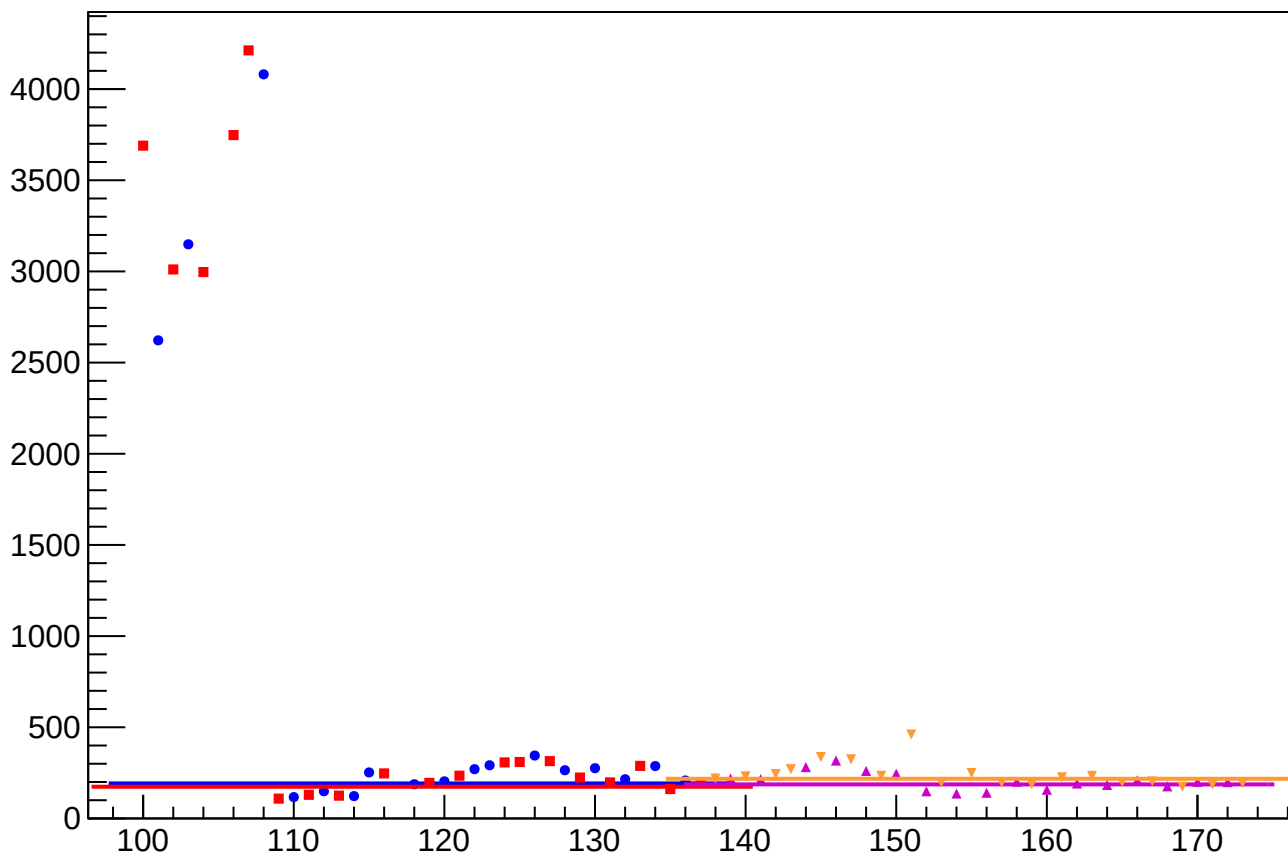
Right: 43.196+/-59.931 χ^2/NDF : 24.0/35

In: 55.165+/-46.046 χ^2/NDF : 19.0/33

Out: -7.402+/-48.072 χ^2/NDF : 16.3/37

All: 25.227+/-33.253 χ^2/NDF : 36.2/71

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 192.177+/-0.063 χ^2/NDF : 3574617.3/16

Left Out: 217.616+/-0.042 χ^2/NDF : 1152925.1/18

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

Left In: 186.736+/-0.038 χ^2/NDF : 1277721.3/16

Left: 200.612+/-0.028 χ^2/NDF : 2726020.2/35

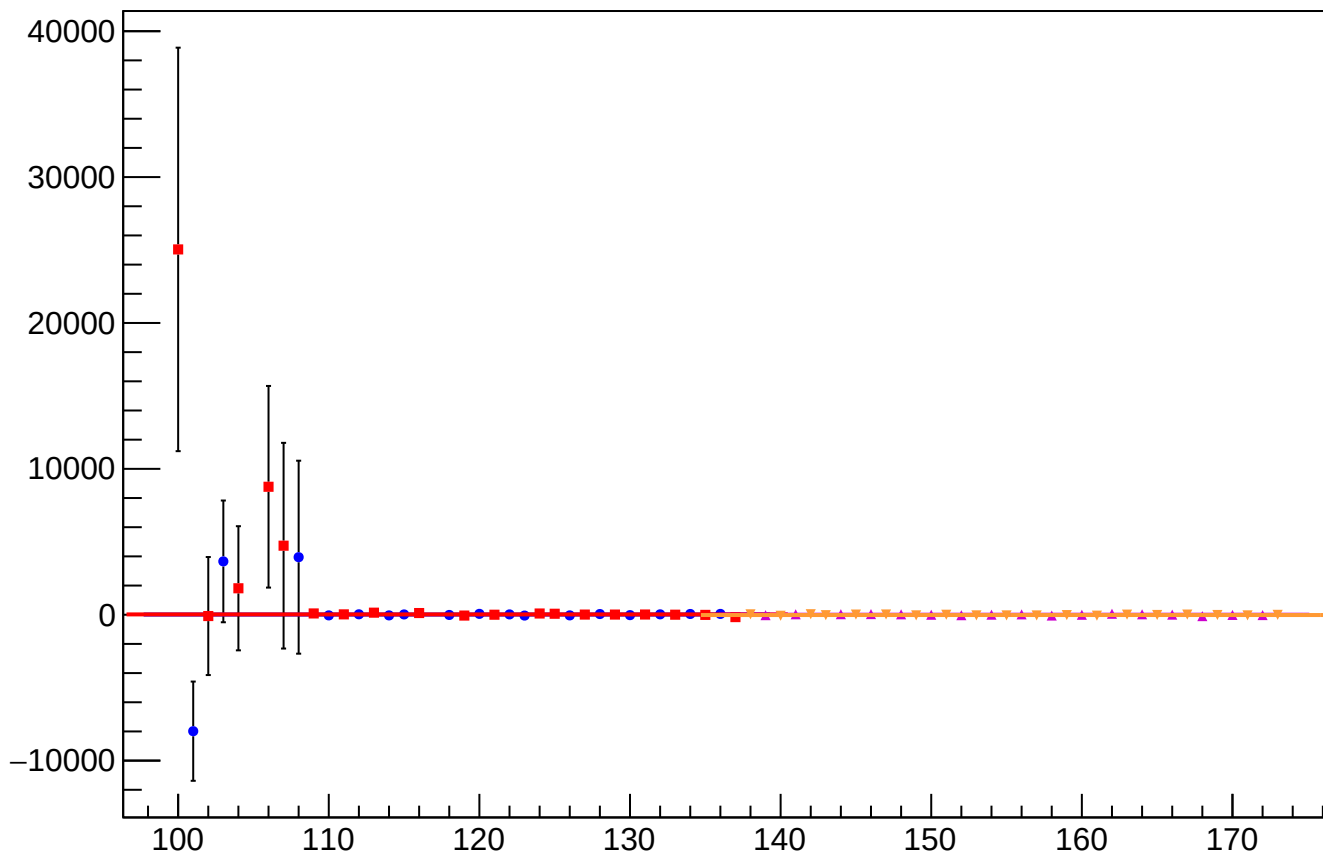
Right: 182.268+/-0.042 χ^2/NDF : 7832071.5/35

In: 188.201+/-0.033 χ^2/NDF : 4857831.7/33

Out: 202.337+/-0.034 χ^2/NDF : 5739771.9/37

All: 194.965+/-0.024 χ^2/NDF : 10687794.1/73

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 12.751+/-13.723 χ^2/NDF : 14.6/16

Left Out: -20.458+/-8.333 χ^2/NDF :12.6/18

Right Out: 22.618+/-13.660 χ^2/NDF : 28.0/18

Left In: 1.578+/-8.625 χ^2/NDF :22.0/16

Left: -9.819+/-5.993 χ^2/NDF : 38.0/35

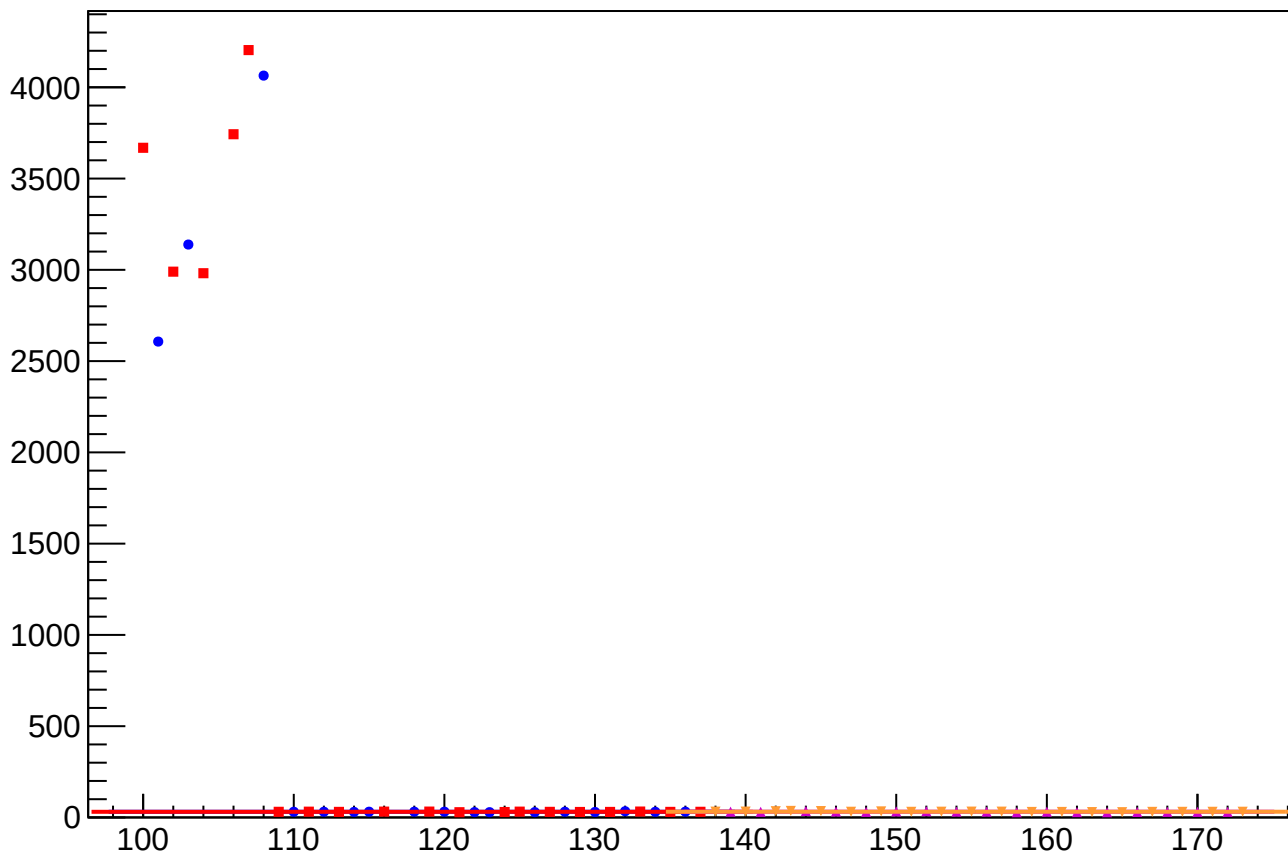
Right: 17.707+/-9.681 χ^2/NDF : 42.9/35

In: 4.742+/-7.303 χ^2/NDF :37.1/33

Out: -8.775+/-7.114 χ^2/NDF :47.8/37

All: -2.193+/-5.096 χ^2/NDF : 86.7/71

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 31.153+/-0.010 χ^2/NDF : 3014515.0/16

Left Out: 31.401+/-0.006 χ^2/NDF : 73755.4/18

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

Left In: 31.304+/-0.006 χ^2/NDF : 81610.5/16

Left: 31.354+/-0.004 χ^2/NDF : 155496.9/35

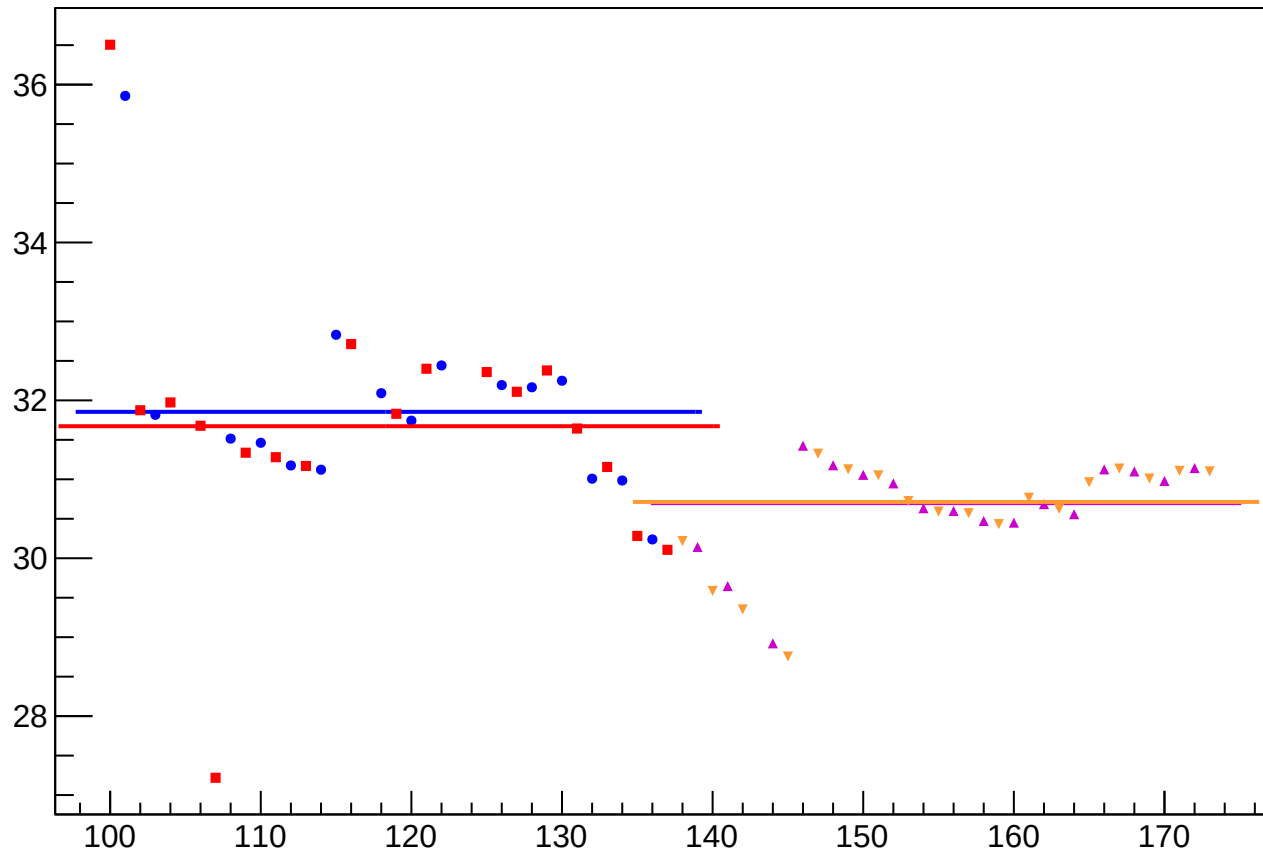
Right: 31.057+/-0.007 χ^2/NDF : 6473633.0/35

In: 31.261+/-0.005 χ^2/NDF : 3096299.1/33

Out: 31.282+/-0.005 χ^2/NDF : 3534182.3/37

All: 31.272+/-0.004 χ^2/NDF : 6630489.8/71

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000 χ^2/NDF : 1570522165.5/15

Left Out: 30.713+/-0.000 χ^2/NDF : 722439981.1/17

Right Out: 31.672+/-0.000 χ^2/NDF : 917899841.8/17

Left In: 30.698+/-0.000 χ^2/NDF : 661164101.1/16

Left: 30.706+/-0.000 χ^2/NDF : 1383842386.7/34

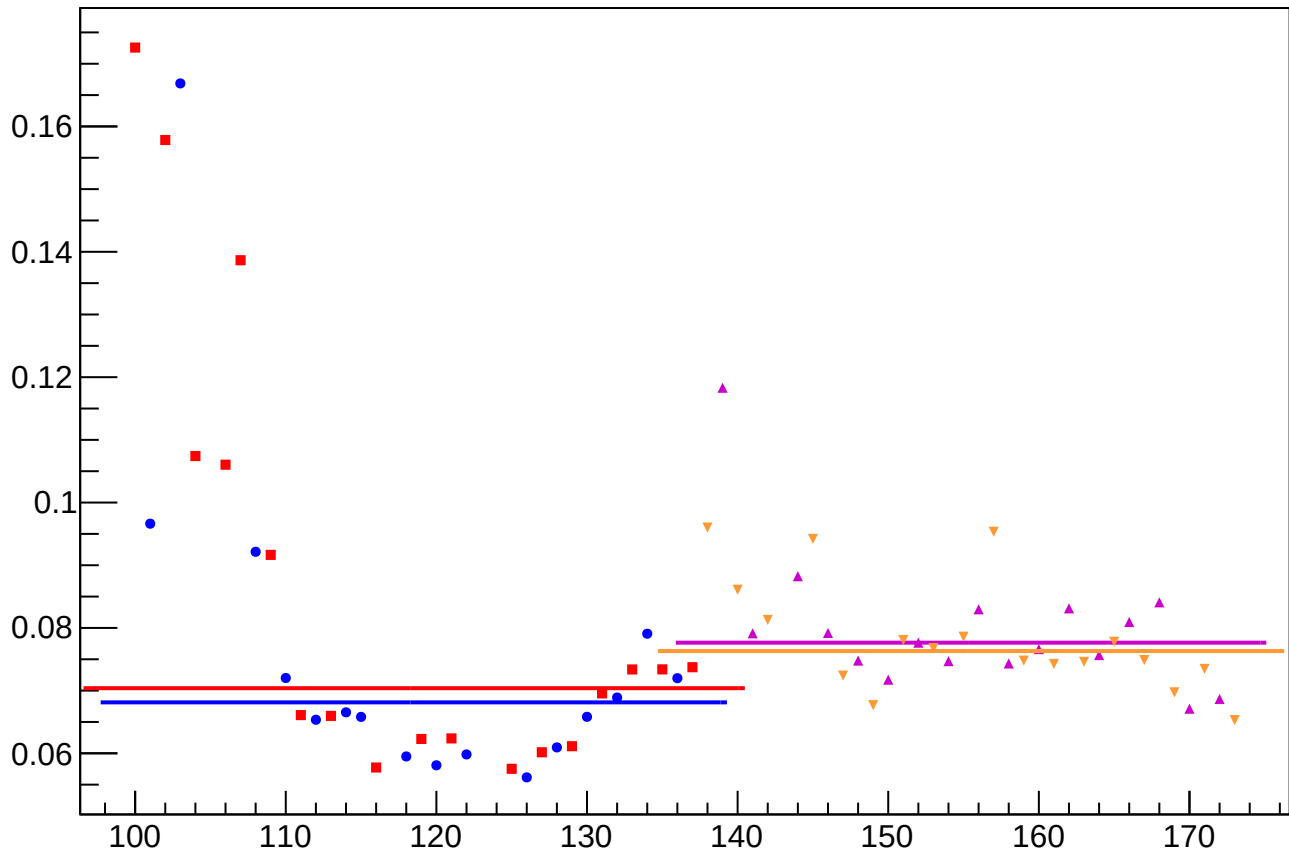
Right: 31.765+/-0.000 χ^2/NDF : 2508641774.0/33

In: 31.144+/-0.000 χ^2/NDF : 3253346133.3/32

Out: 31.061+/-0.000 χ^2/NDF : 2340793515.8/35

All: 31.102+/-0.000 χ^2/NDF : 5605559384.4/66

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2/NDF : 629767.4/15

Left Out: 0.076 $\pm$ 0.000 χ^2/NDF : 266956.4/17

Right Out: 0.070 $\pm$ 0.000 χ^2/NDF : 841320.1/17

Left In: 0.078 $\pm$ 0.000 χ^2/NDF : 289108.5/16

Left: 0.077 $\pm$ 0.000 χ^2/NDF : 559703.1/34

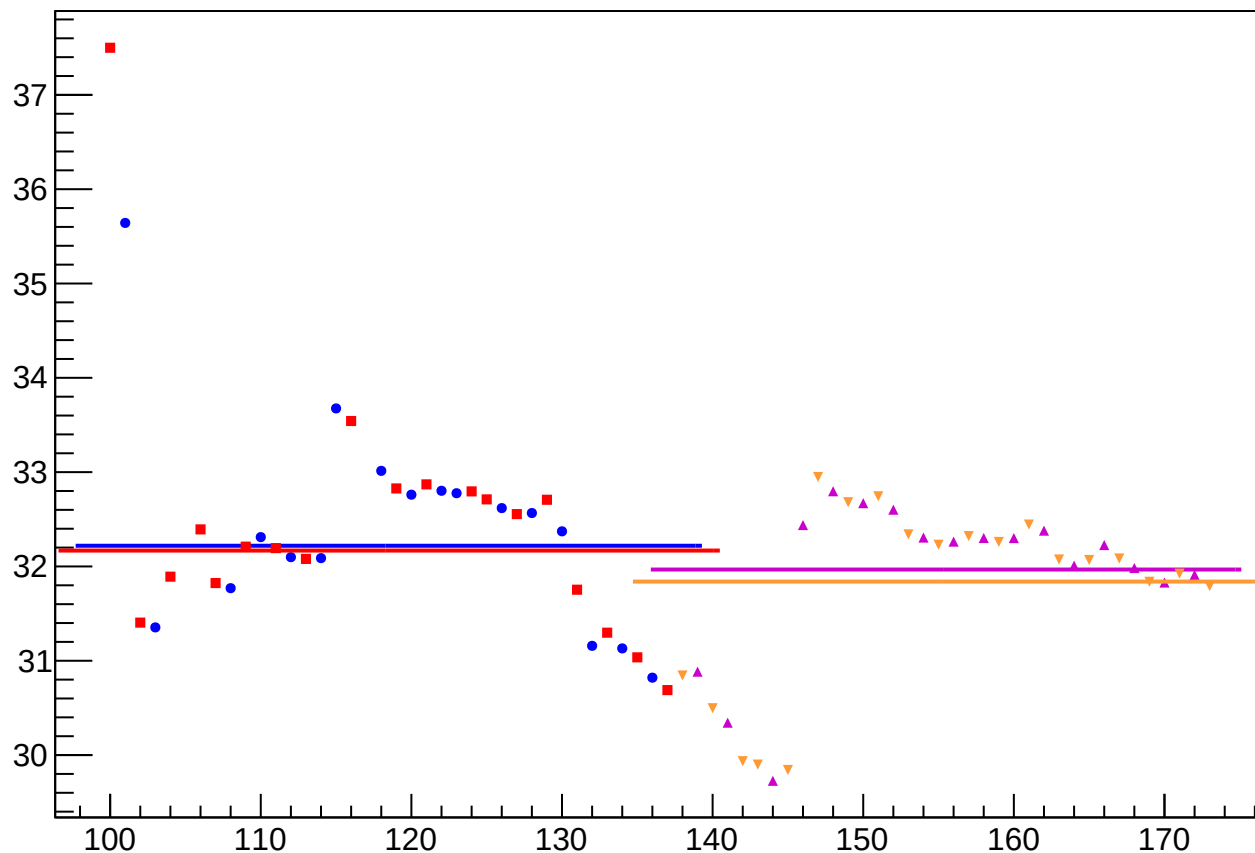
Right: 0.069 $\pm$ 0.000 χ^2/NDF : 1477315.9/33

In: 0.074 $\pm$ 0.000 χ^2/NDF : 1057493.5/32

Out: 0.074 $\pm$ 0.000 χ^2/NDF : 1161817.6/35

All: 0.074 $\pm$ 0.000 χ^2/NDF : 2219432.7/68

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.840+/-0.000 χ^2/NDF : 1827127091.6/18

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

Left In: 31.967+/-0.000 χ^2/NDF : 1403491414.4/16

Left: 31.901+/-0.000 χ^2/NDF : 3247660041.4/35

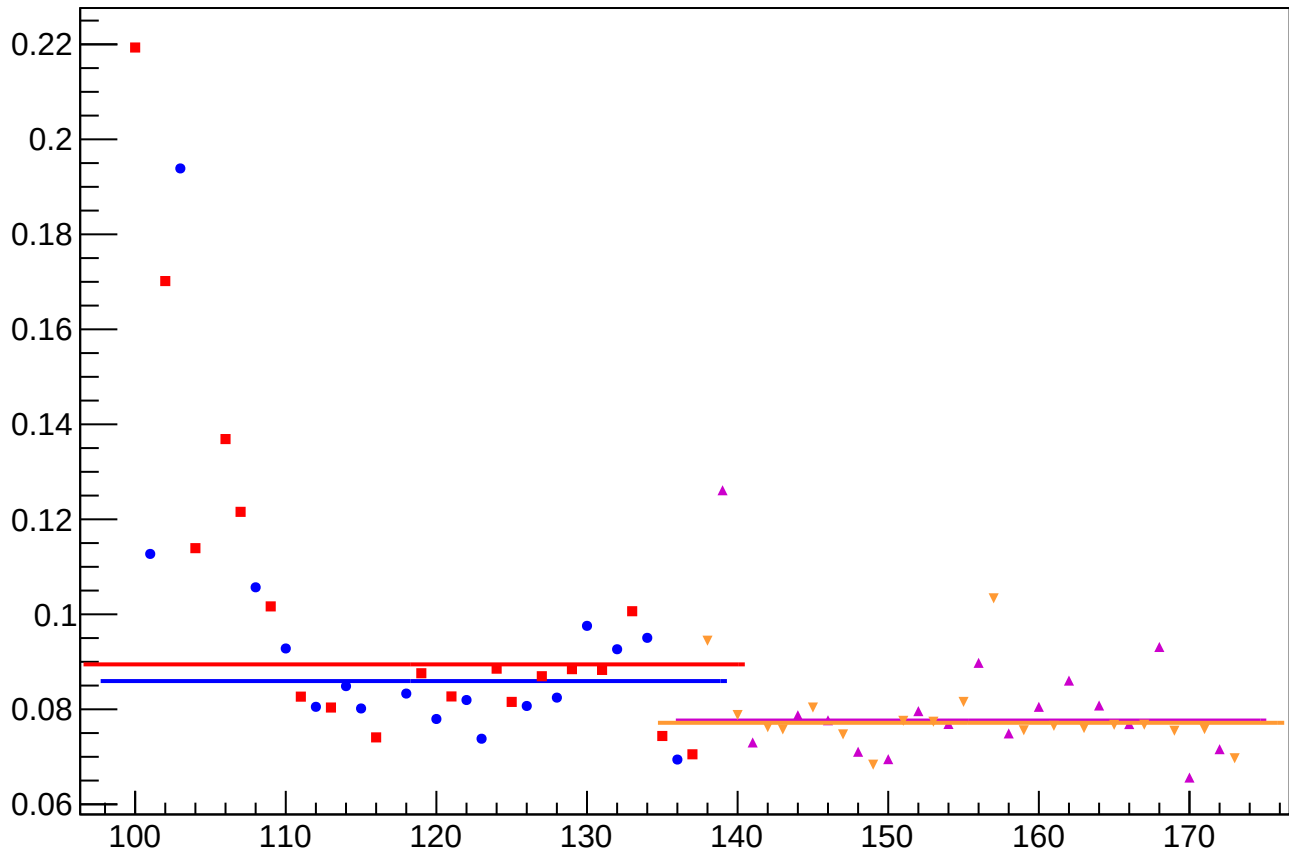
Right: 32.194+/-0.000 χ^2/NDF : 1457173552.7/35

In: 32.038+/-0.000 χ^2/NDF : 2453246583.3/33

Out: 31.925+/-0.000 χ^2/NDF : 2330810256.4/37

All: 31.980+/-0.000 χ^2/NDF : 4802290862.9/71

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.077+/-0.000 χ^2/NDF : 180199.7/18

Right Out: 0.089+/-0.000 χ^2/NDF : 539869.9/18

Left In: 0.078+/-0.000 χ^2/NDF : 398734.9/16

Left: 0.077+/-0.000 χ^2/NDF : 579409.0/35

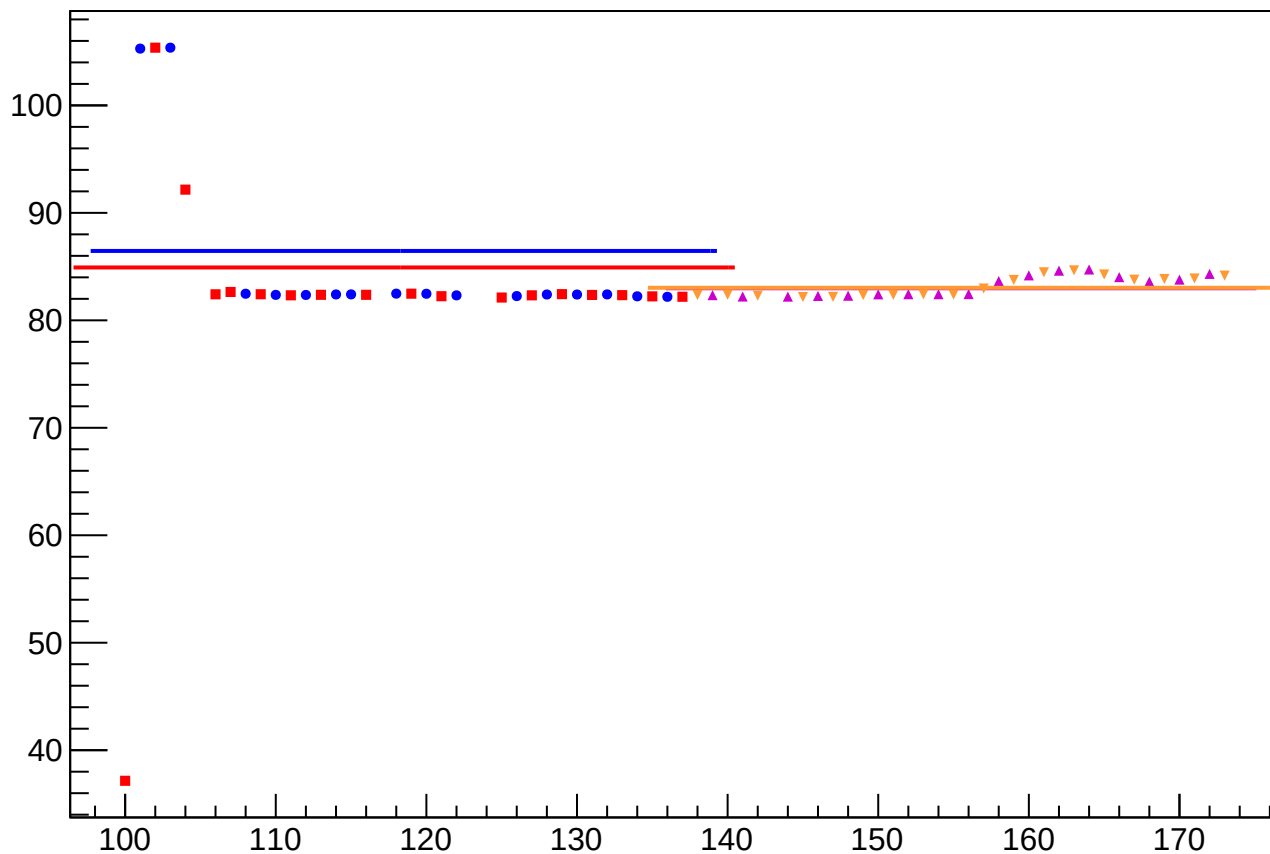
Right: 0.088+/-0.000 χ^2/NDF : 1102728.3/35

In: 0.080+/-0.000 χ^2/NDF : 1029900.9/33

Out: 0.080+/-0.000 χ^2/NDF : 891696.7/37

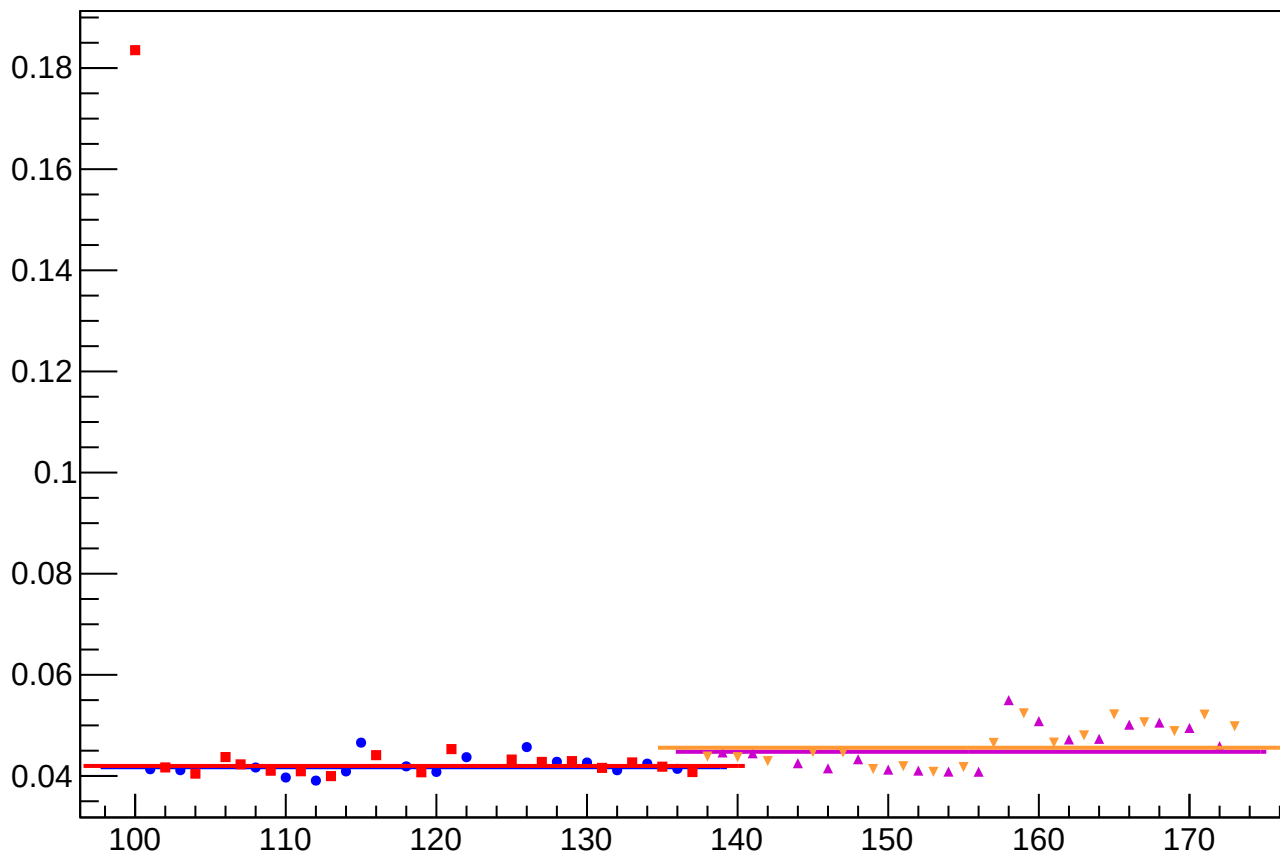
All: 0.080+/-0.000 χ^2/NDF : 1922049.9/71

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000	χ^2/NDF : 291421048436.2/15	Left: 83.007+/-0.000	χ^2/NDF : 9907169117.2/34
Left Out: 83.029+/-0.000	χ^2/NDF : 4833886765.7/17	Right: 85.675+/-0.000	χ^2/NDF : 468146833571.9/33
Right Out: 84.920+/-0.000	χ^2/NDF : 172195187677.7/17	In: 84.270+/-0.000	χ^2/NDF : 325104766650.7/32
Left In: 82.985+/-0.000	χ^2/NDF : 5067037640.8/16	Out: 83.751+/-0.000	χ^2/NDF : 185655648273.7/35
		All: 84.010+/-0.000	χ^2/NDF : 512132108752.0

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF : 18887.0/15

Left Out: 0.046+/-0.000 χ^2/NDF :178367.2/17

Right Out: 0.042+/-0.000 χ^2/NDF : 96869.3/17

Left In: 0.045+/-0.000 χ^2/NDF :204334.4/16

Left: 0.045+/-0.000 χ^2/NDF : 386829.7/34

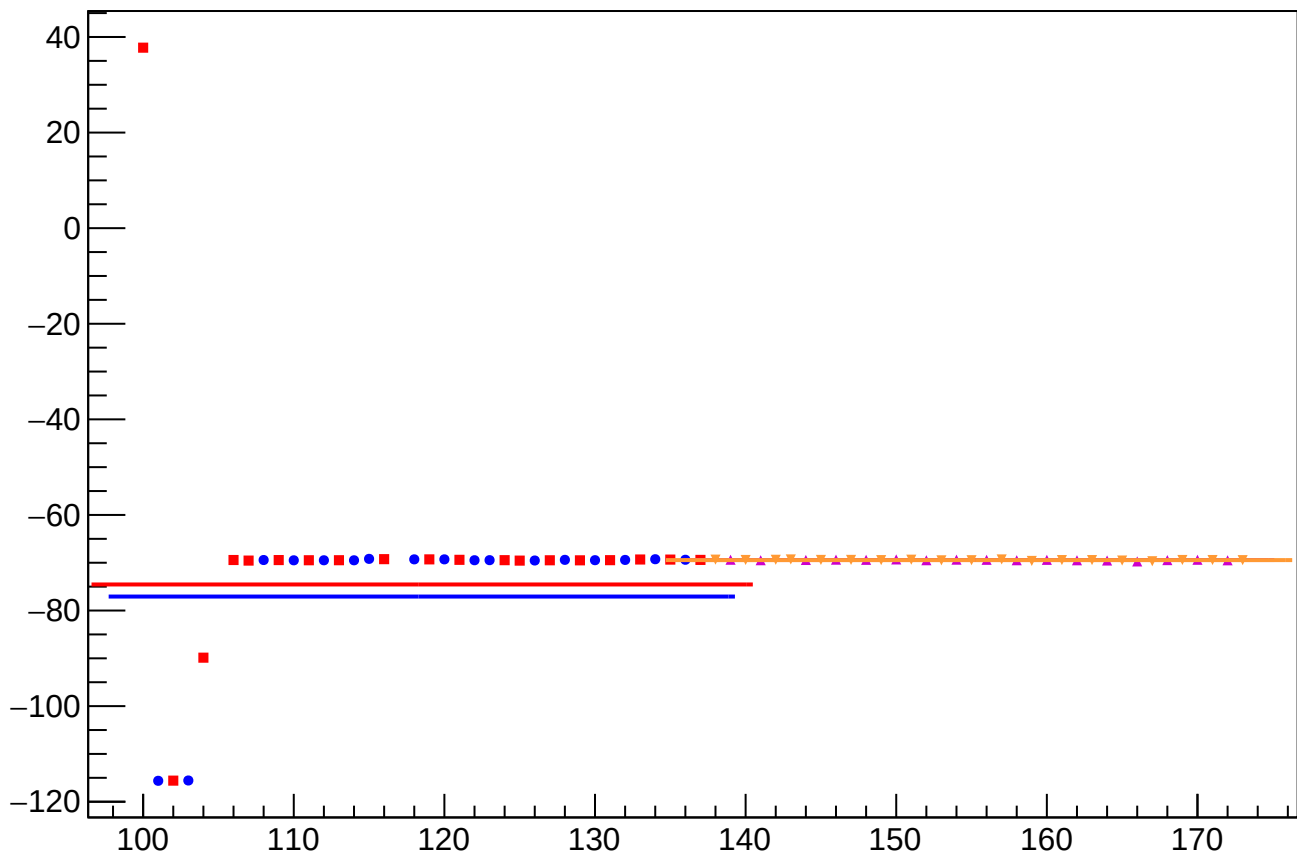
Right: 0.042+/-0.000 χ^2/NDF : 116001.6/33

In: 0.044+/-0.000 χ^2/NDF :267445.6/32

Out: 0.044+/-0.000 χ^2/NDF :337942.6/35

All: 0.044+/-0.000 χ^2/NDF : 608567.7/68

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.450+/-0.000 χ^2/NDF : 39410162.1/18

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

Left In: -69.431+/-0.000 χ^2/NDF : 32449855.5/16

Left: -69.441+/-0.000 χ^2/NDF : 72618325.7/35

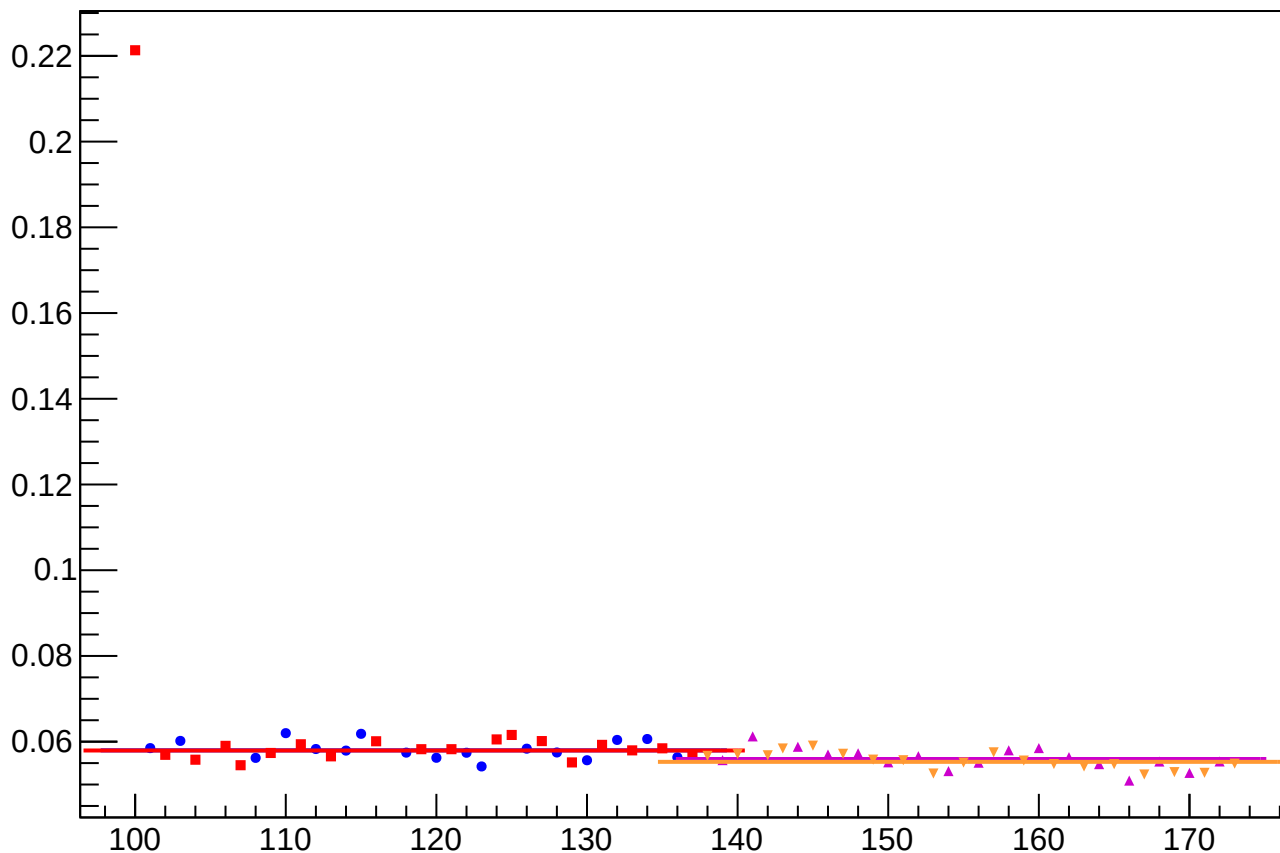
Right: -75.769+/-0.000 χ^2/NDF : 943595296169.5/35

In: -71.873+/-0.000 χ^2/NDF : 641546109056.2/33

Out: -71.044+/-0.000 χ^2/NDF : 408399072833.0/37

All: -71.441+/-0.000 χ^2/NDF : 105209714042.0/75

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058 $\pm$ 0.000 χ^2 /NDF: 12275.6/16

Left Out: 0.055 $\pm$ 0.000 χ^2 /NDF:33316.9/18

Right Out: 0.058 $\pm$ 0.000 χ^2 /NDF: 86466.5/18

Left In: 0.056 $\pm$ 0.000 χ^2 /NDF:44930.1/16

Left: 0.056 $\pm$ 0.000 χ^2 /NDF: 80132.2/35

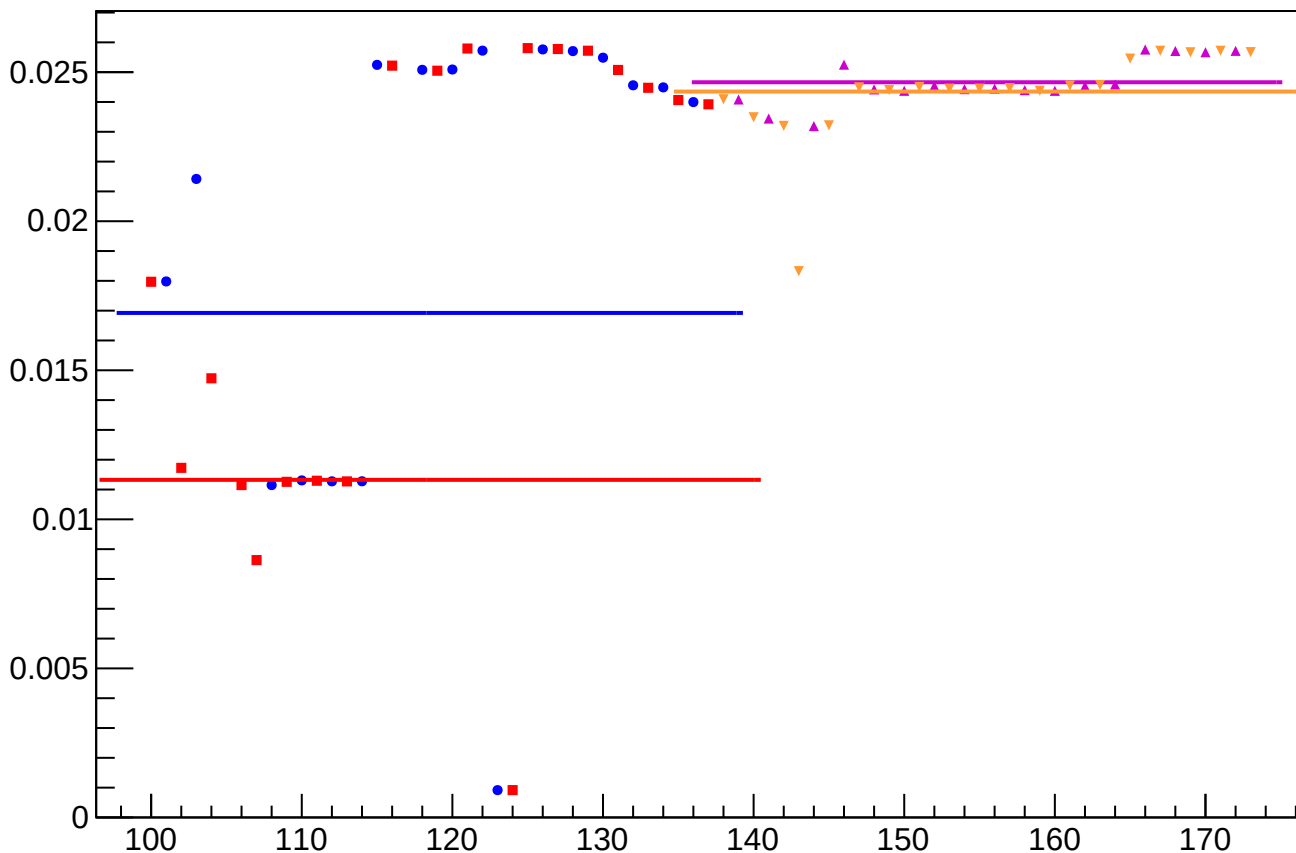
Right: 0.058 $\pm$ 0.000 χ^2 /NDF: 98743.9/35

In: 0.057 $\pm$ 0.000 χ^2 /NDF:67797.0/33

Out: 0.056 $\pm$ 0.000 χ^2 /NDF:139499.2/37

All: 0.056 $\pm$ 0.000 χ^2 /NDF: 208734.8/71

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017 $\pm$ 0.000

χ^2/NDF : 126447785006.7/16

Left: 0.024 $\pm$ 0.000

χ^2/NDF : 8391267314.2/35

Left Out: 0.024 $\pm$ 0.000

χ^2/NDF : 6965126605.0/18

Right: 0.014 $\pm$ 0.000

χ^2/NDF : 392122680736.2/35

Right Out: 0.011 $\pm$ 0.000

χ^2/NDF : 234754769754.2/18

In: 0.022 $\pm$ 0.000

χ^2/NDF : 188723450171.4/33

Out: 0.018 $\pm$ 0.000

χ^2/NDF : 460873109504.4/37

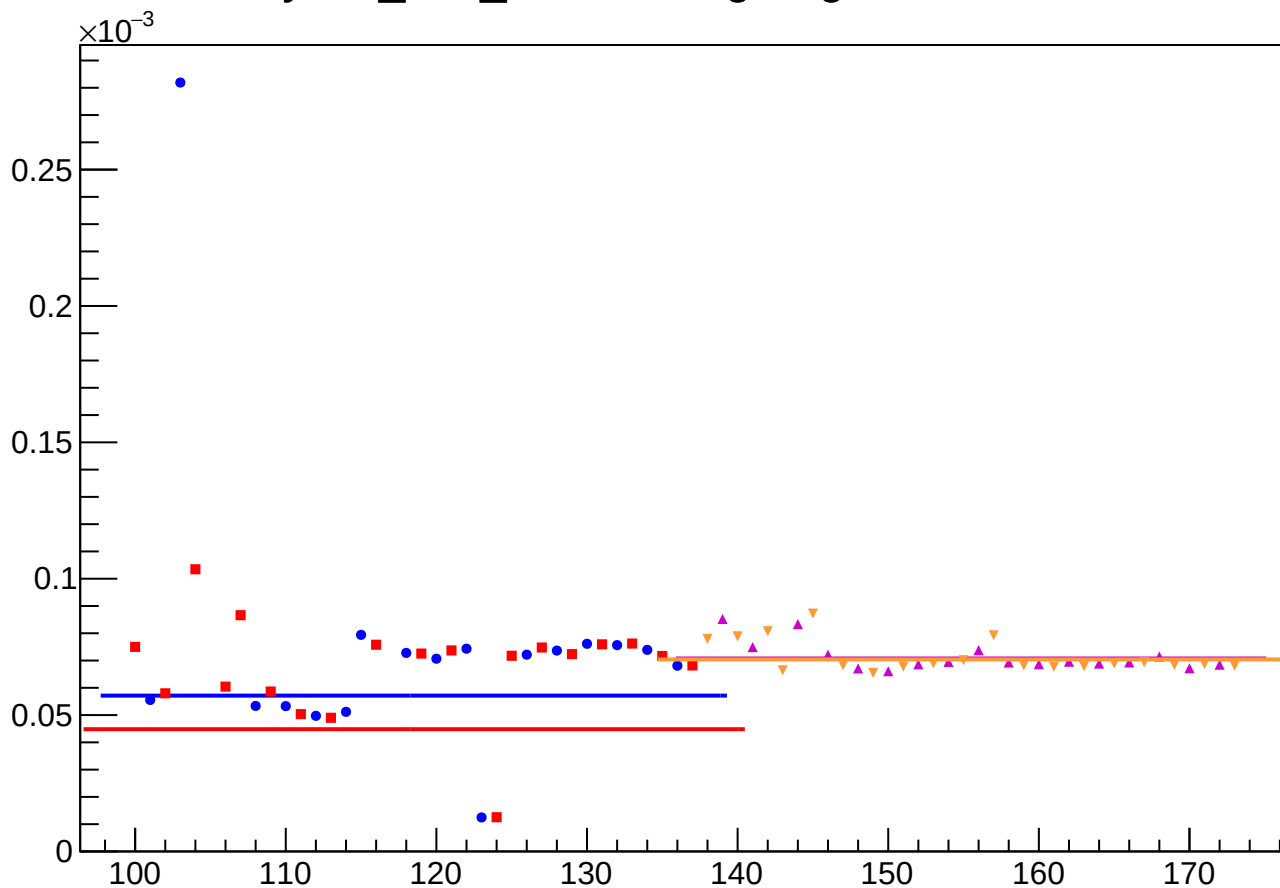
Left In: 0.025 $\pm$ 0.000

χ^2/NDF : 1295036555.9/16

All: 0.020 $\pm$ 0.000

χ^2/NDF : 674752154687.6

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2000446.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :145841.5/18

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

Left In: 0.000+/-0.000 χ^2/NDF :112873.2/16

Left: 0.000+/-0.000 χ^2/NDF : 259057.6/35

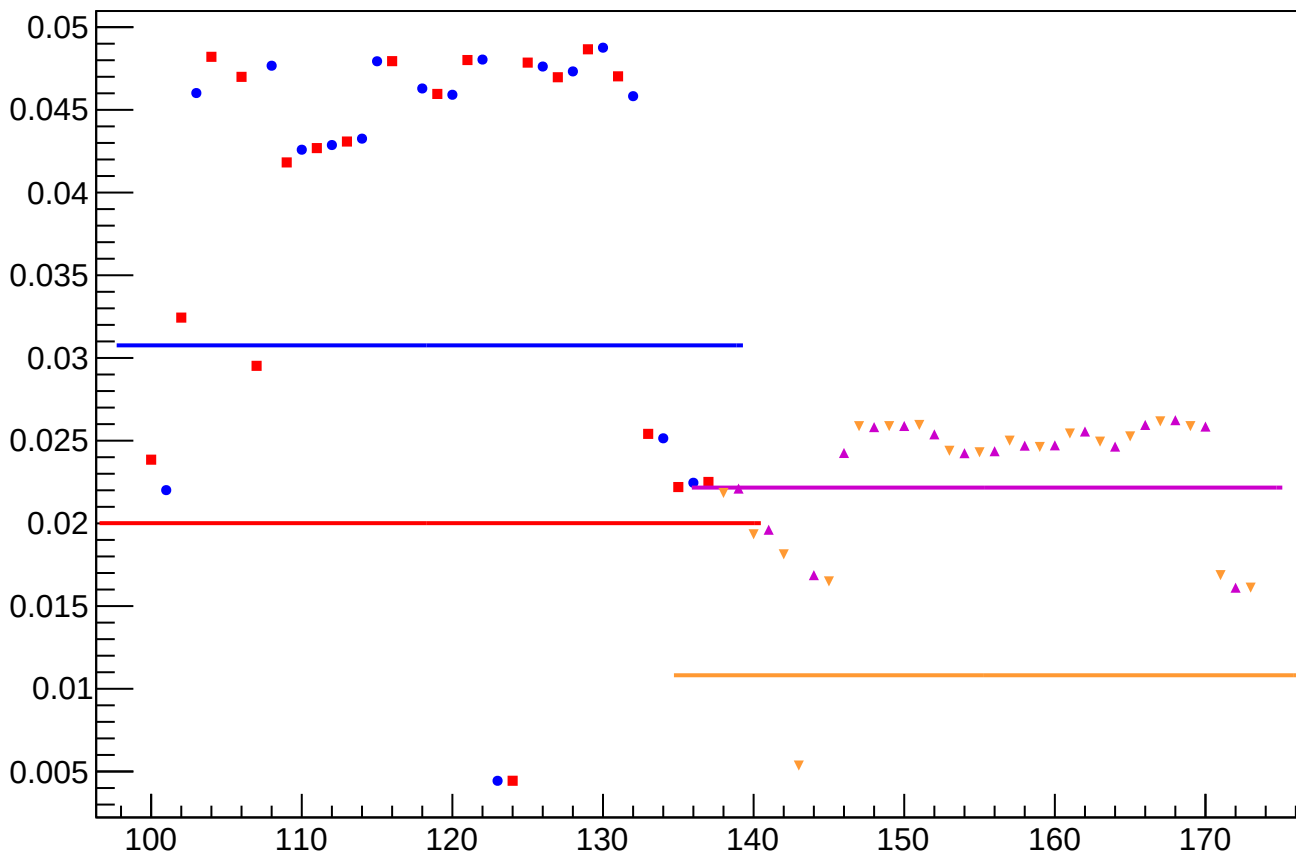
Right: 0.000+/-0.000 χ^2/NDF : 5891779.4/35

In: 0.000+/-0.000 χ^2/NDF :2490838.3/33

Out: 0.000+/-0.000 χ^2/NDF :5427391.3/37

All: 0.000+/-0.000 χ^2/NDF : 8134687.5/71

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000

χ^2/NDF : 21174738549.0/16

Left: 0.013+/-0.000

χ^2/NDF : 51639975447.5/35

Left Out: 0.011+/-0.000

χ^2/NDF : 33550754082.6/18

Right: 0.024+/-0.000

χ^2/NDF : 66286425044.9/35

Right Out: 0.020+/-0.000

χ^2/NDF : 40011334157.0/18

In: 0.025+/-0.000

χ^2/NDF : 27315700127.2/33

Out: 0.012+/-0.000

χ^2/NDF : 81682503419.0/37

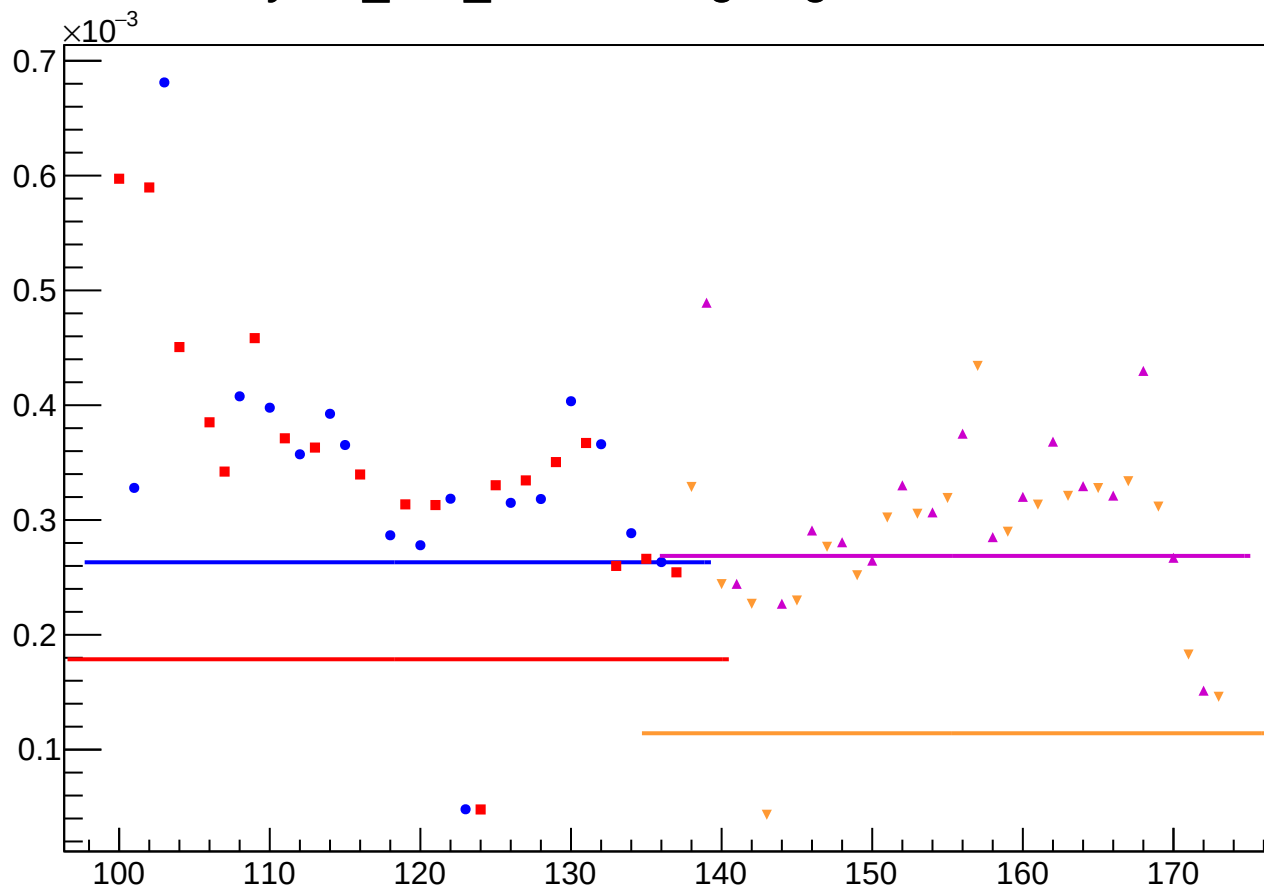
Left In: 0.022+/-0.000

χ^2/NDF : 2537145099.0/16

All: 0.016+/-0.000

χ^2/NDF : 134690477048.8

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF :12018408.1/18

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF :1810537.6/16

Left: 0.000+/-0.000 χ^2/NDF : 19596239.7/35

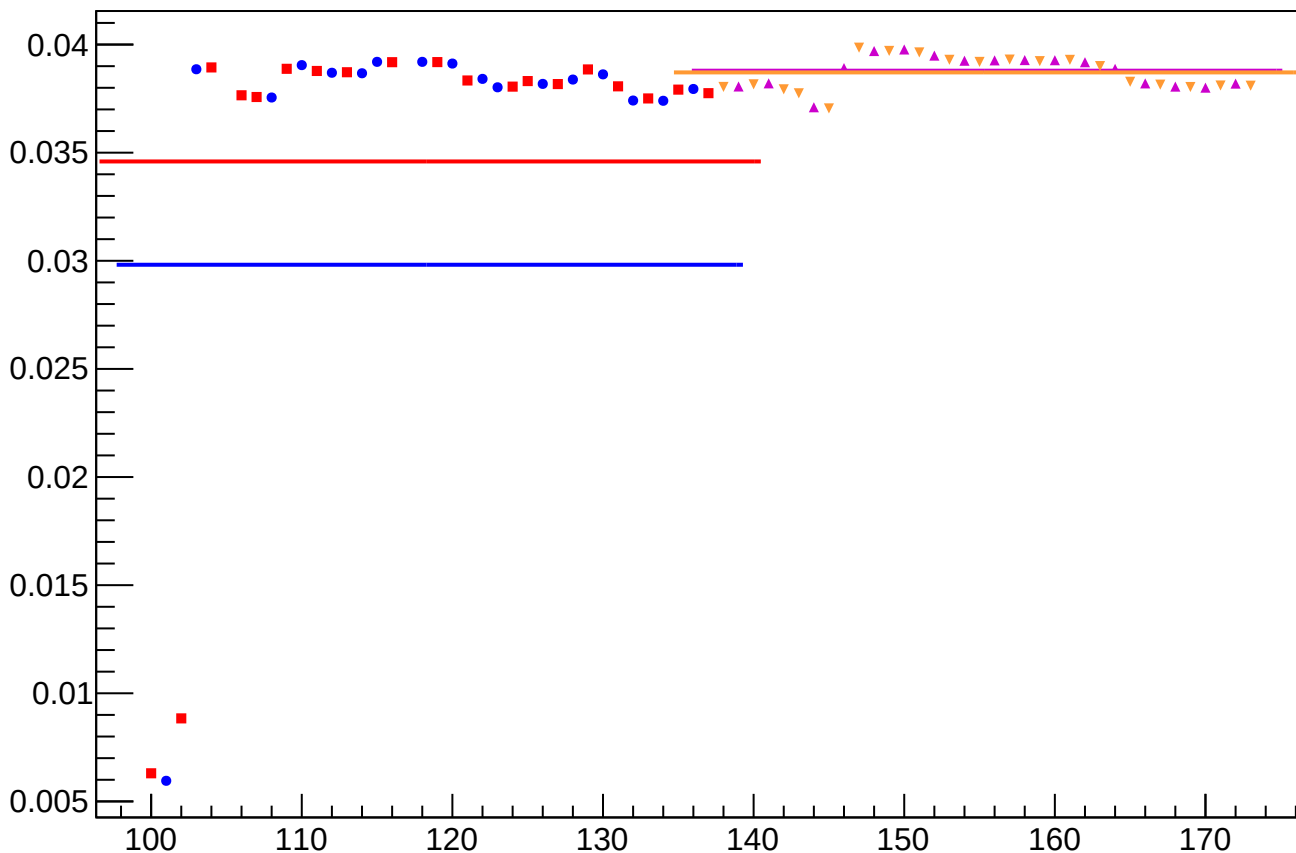
Right: 0.000+/-0.000 χ^2/NDF : 8372315.9/35

In: 0.000+/-0.000 χ^2/NDF :4214595.6/33

Out: 0.000+/-0.000 χ^2/NDF :18157193.1/37

All: 0.000+/-0.000 χ^2/NDF : 29068839.0/71

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000

χ^2/NDF : 97152184939.3/16

Left: 0.039+/-0.000

χ^2/NDF : 851429041.1/35

Right: 0.032+/-0.000

χ^2/NDF : 145974720907.4/35

Left Out: 0.039+/-0.000

χ^2/NDF : 459230506.1/18

In: 0.035+/-0.000

χ^2/NDF : 120793164553.9/33

Right Out: 0.035+/-0.000

χ^2/NDF : 43669374279.3/18

Out: 0.037+/-0.000

χ^2/NDF : 48903566819.9/37

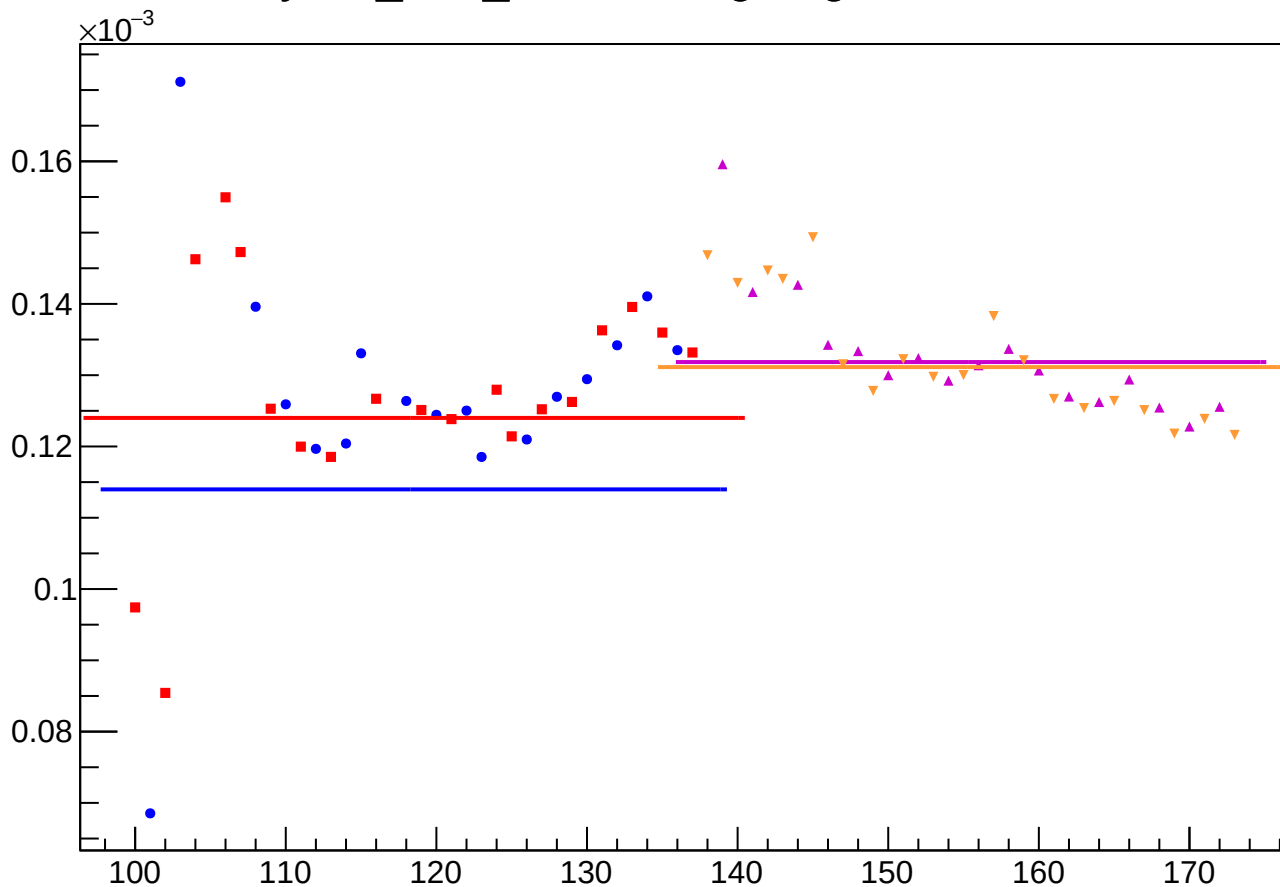
Left In: 0.039+/-0.000

χ^2/NDF : 389778183.7/16

All: 0.036+/-0.000

χ^2/NDF : 172076713625.1

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 794542.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 104207.7/18

Right Out: 0.000+/-0.000 χ^2/NDF : 245154.5/18

Left In: 0.000+/-0.000 χ^2/NDF : 83806.4/16

Left: 0.000+/-0.000 χ^2/NDF : 188399.6/35

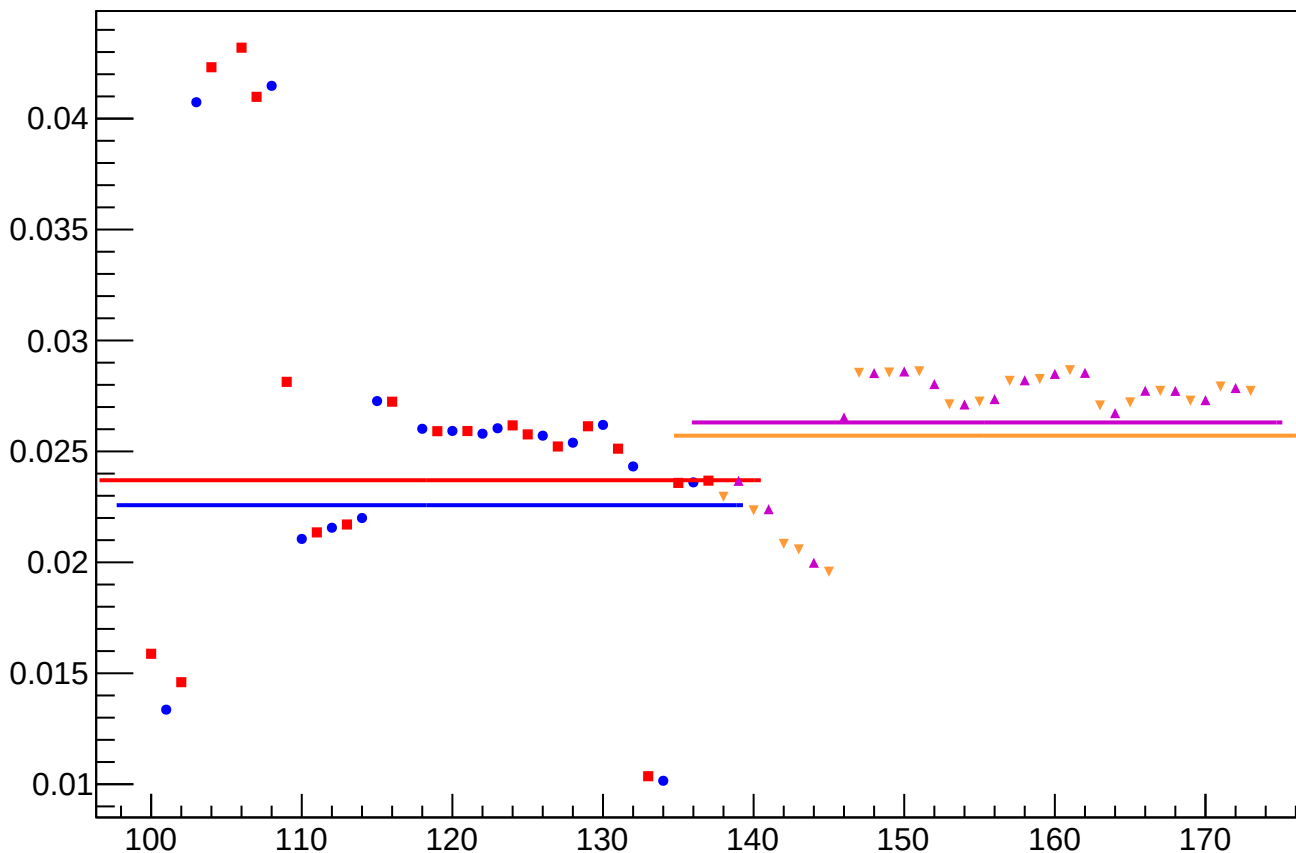
Right: 0.000+/-0.000 χ^2/NDF : 1085105.2/35

In: 0.000+/-0.000 χ^2/NDF : 1062586.8/33

Out: 0.000+/-0.000 χ^2/NDF : 377987.5/37

All: 0.000+/-0.000 χ^2/NDF : 1457779.8/71

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF : 4247774712.9/16

Left Out: 0.026+/-0.000 χ^2/NDF : 1752873317.5/18

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

Left In: 0.026+/-0.000 χ^2/NDF : 1166809664.9/16

Left: 0.026+/-0.000 χ^2/NDF : 2946383378.5/35

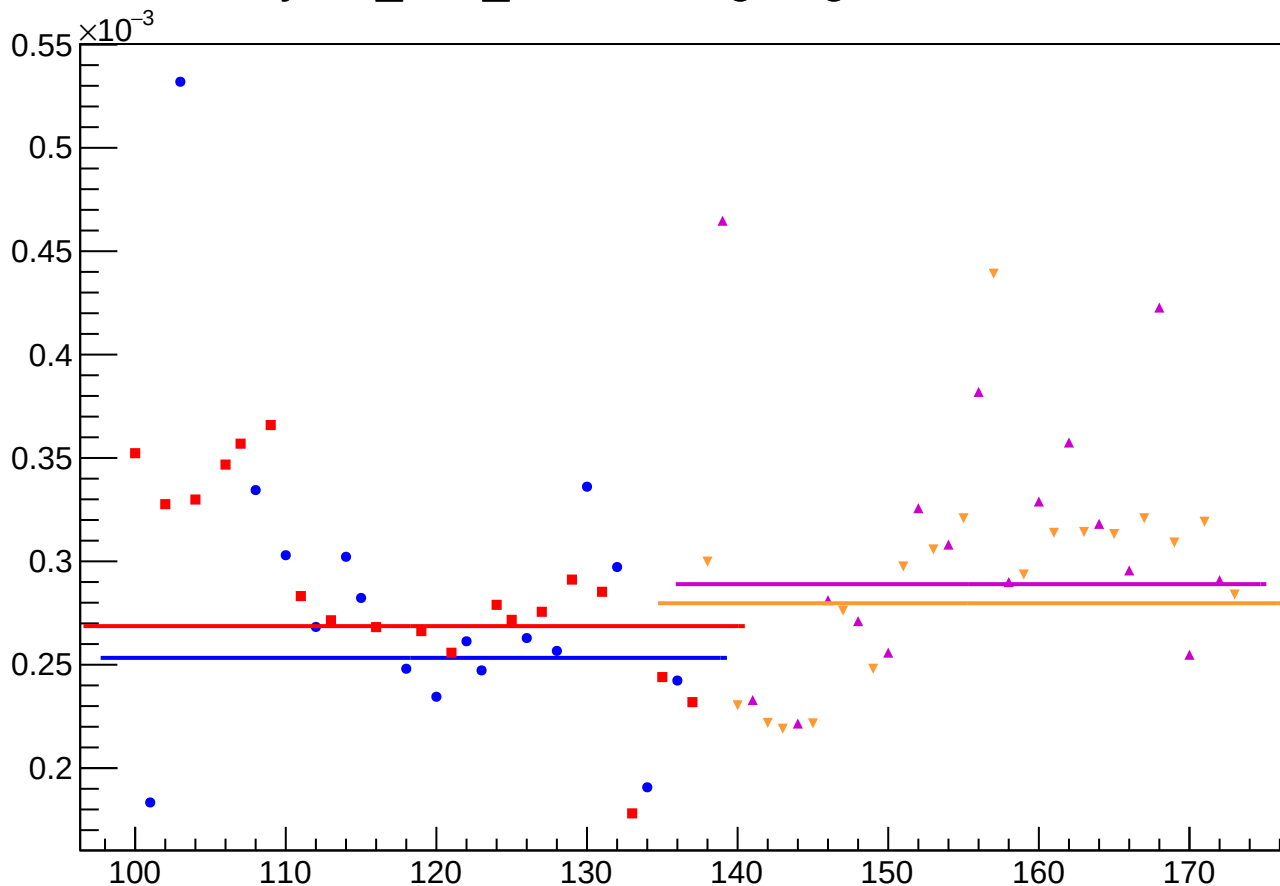
Right: 0.023+/-0.000 χ^2/NDF : 9954563356.3/35

In: 0.025+/-0.000 χ^2/NDF : 6181342998.8/33

Out: 0.025+/-0.000 χ^2/NDF : 7628946231.6/37

All: 0.025+/-0.000 χ^2/NDF : 13813191175.4/71

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 629159.2/16

Left Out: 0.000+/-0.000 χ^2/NDF : 628424.7/18

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

Left In: 0.000+/-0.000 χ^2/NDF : 841695.2/16

Left: 0.000+/-0.000 χ^2/NDF : 1482960.0/35

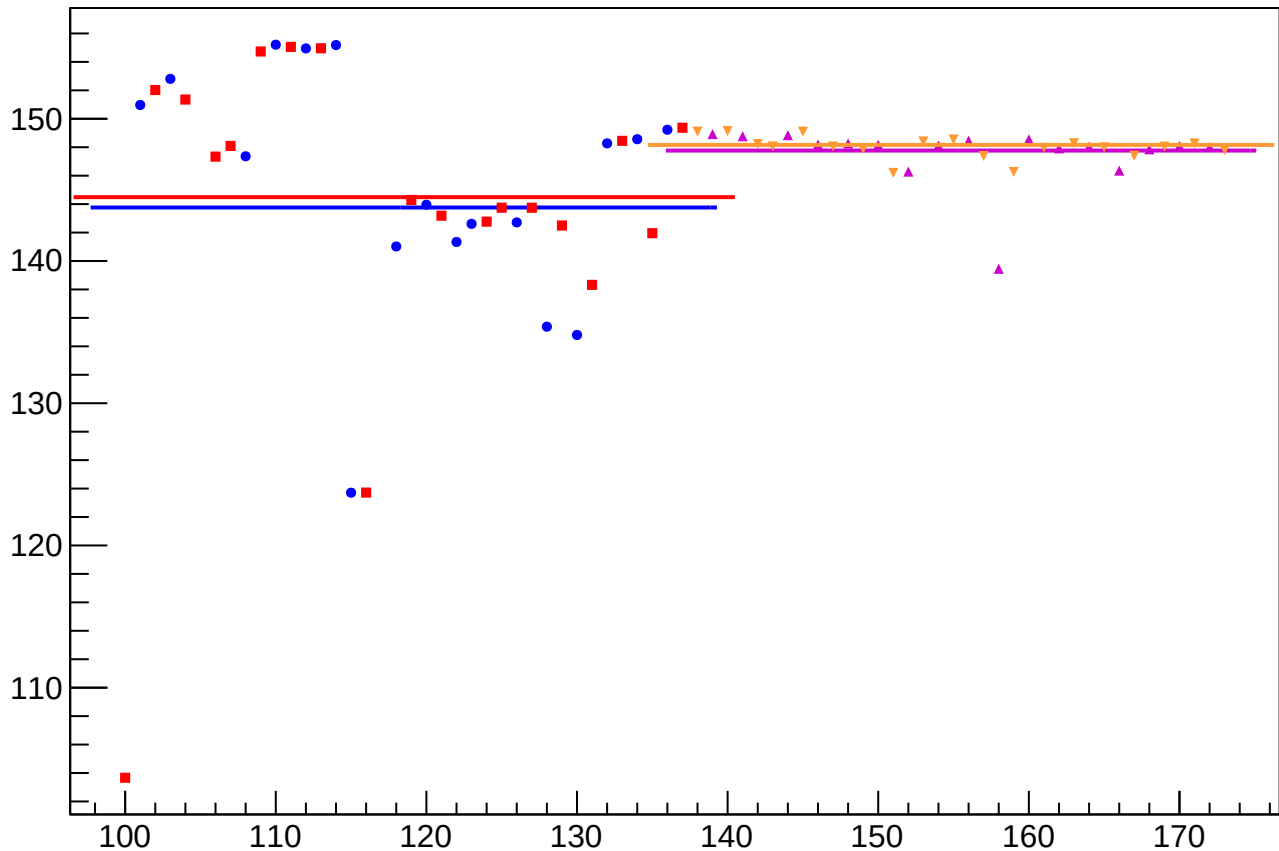
Right: 0.000+/-0.000 χ^2/NDF : 1078147.4/35

In: 0.000+/-0.000 χ^2/NDF : 1611060.1/33

Out: 0.000+/-0.000 χ^2/NDF : 1070390.5/37

All: 0.000+/-0.000 χ^2/NDF : 2681594.5/71

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763 $\pm$ 0.000 χ^2 /NDF: 3534699505.1/16

Left Out: 148.162 $\pm$ 0.000 χ^2 /NDF: 52822249.5/18

Right Out: 144.490 $\pm$ 0.000 χ^2 /NDF: 4182548232.5/18

Left In: 147.766 $\pm$ 0.000 χ^2 /NDF: 325729585.0/16

Left: 147.972 $\pm$ 0.000 χ^2 /NDF: 384515218.9/35

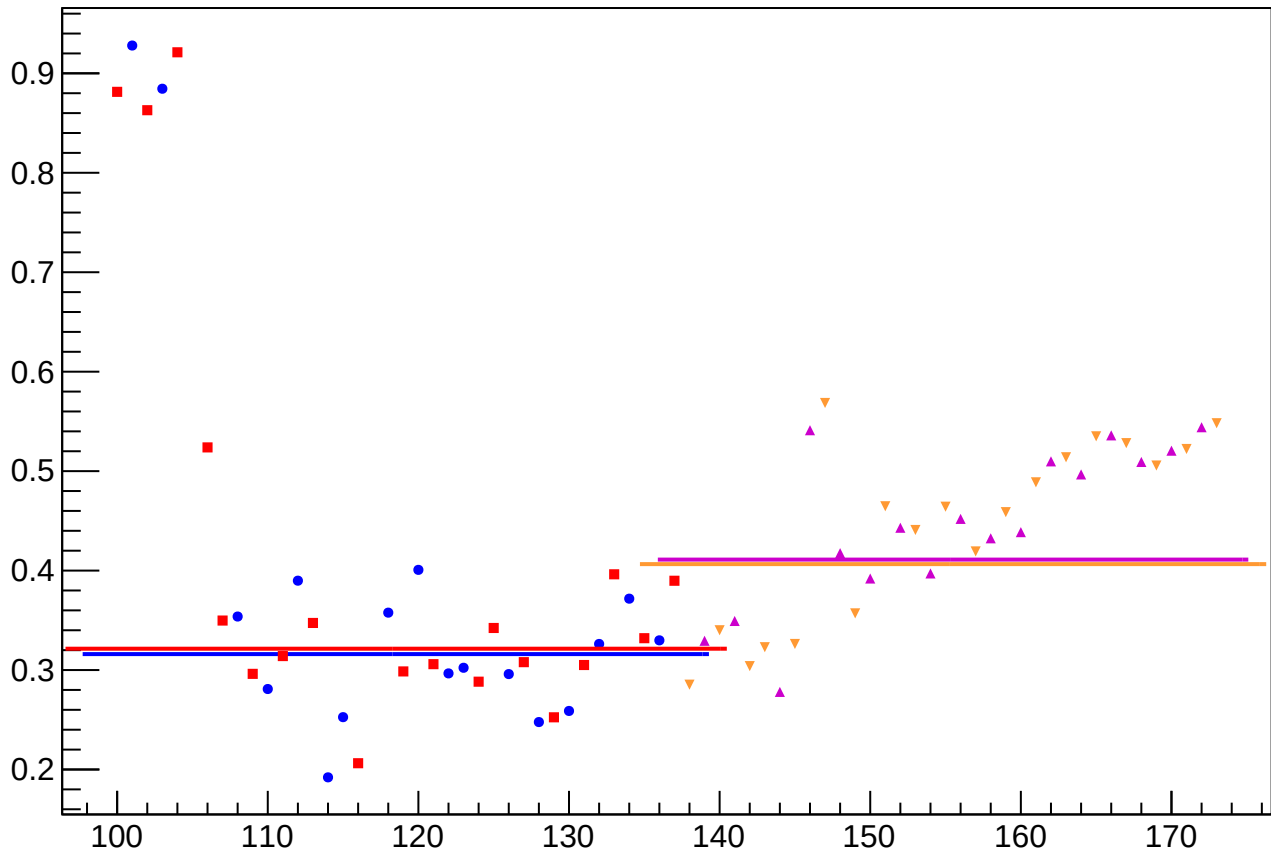
Right: 144.130 $\pm$ 0.000 χ^2 /NDF: 7732099987.4/35

In: 146.033 $\pm$ 0.000 χ^2 /NDF: 4365851535.3/33

Out: 146.632 $\pm$ 0.000 χ^2 /NDF: 4681104017.3/37

All: 146.341 $\pm$ 0.000 χ^2 /NDF: 9070638432.8

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.407+/-0.000 χ^2/NDF :1304622.2/18

Right Out: 0.321+/-0.000 χ^2/NDF : 1219073.9/18

Left In: 0.411+/-0.000 χ^2/NDF :1010231.0/16

Left: 0.409+/-0.000 χ^2/NDF : 2316424.7/35

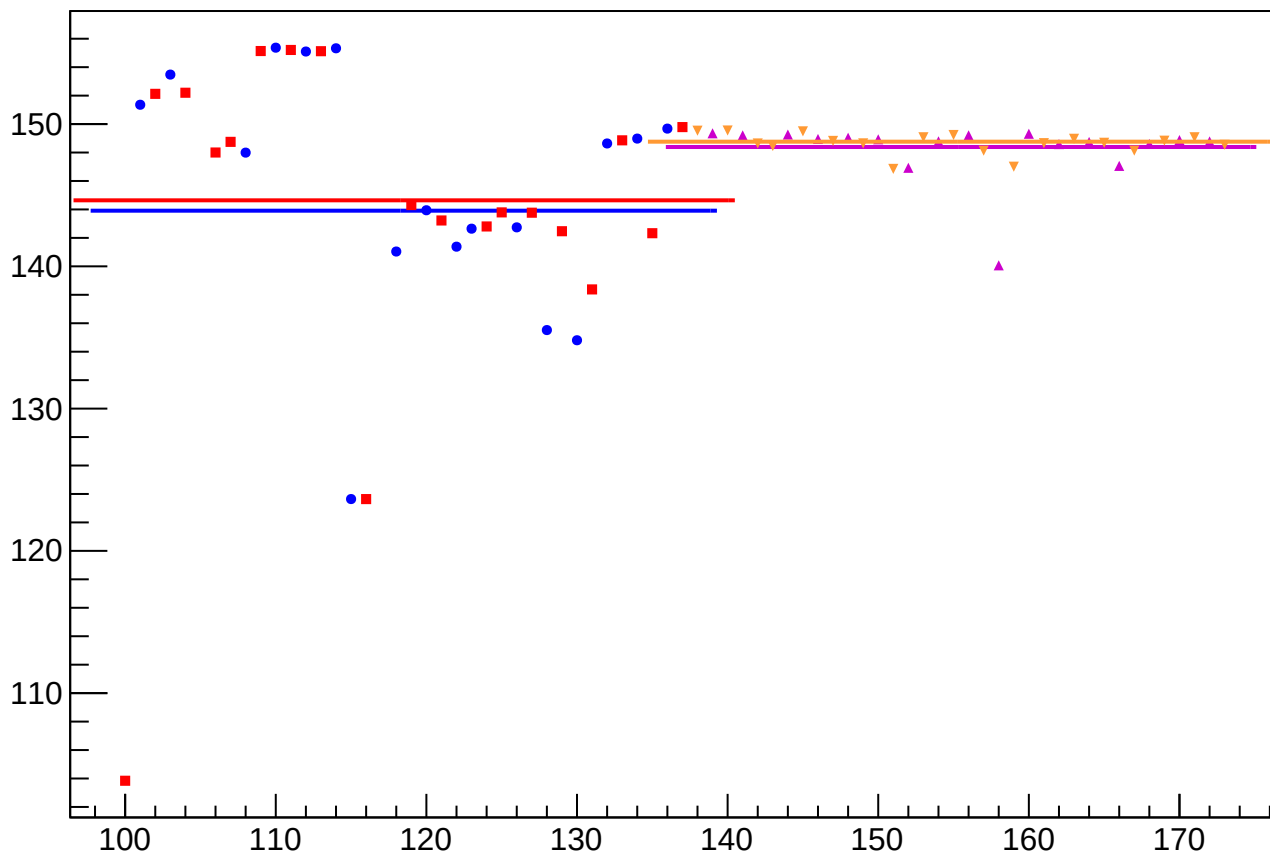
Right: 0.319+/-0.000 χ^2/NDF : 2486648.0/35

In: 0.370+/-0.000 χ^2/NDF :2845763.3/33

Out: 0.371+/-0.000 χ^2/NDF :3001991.6/37

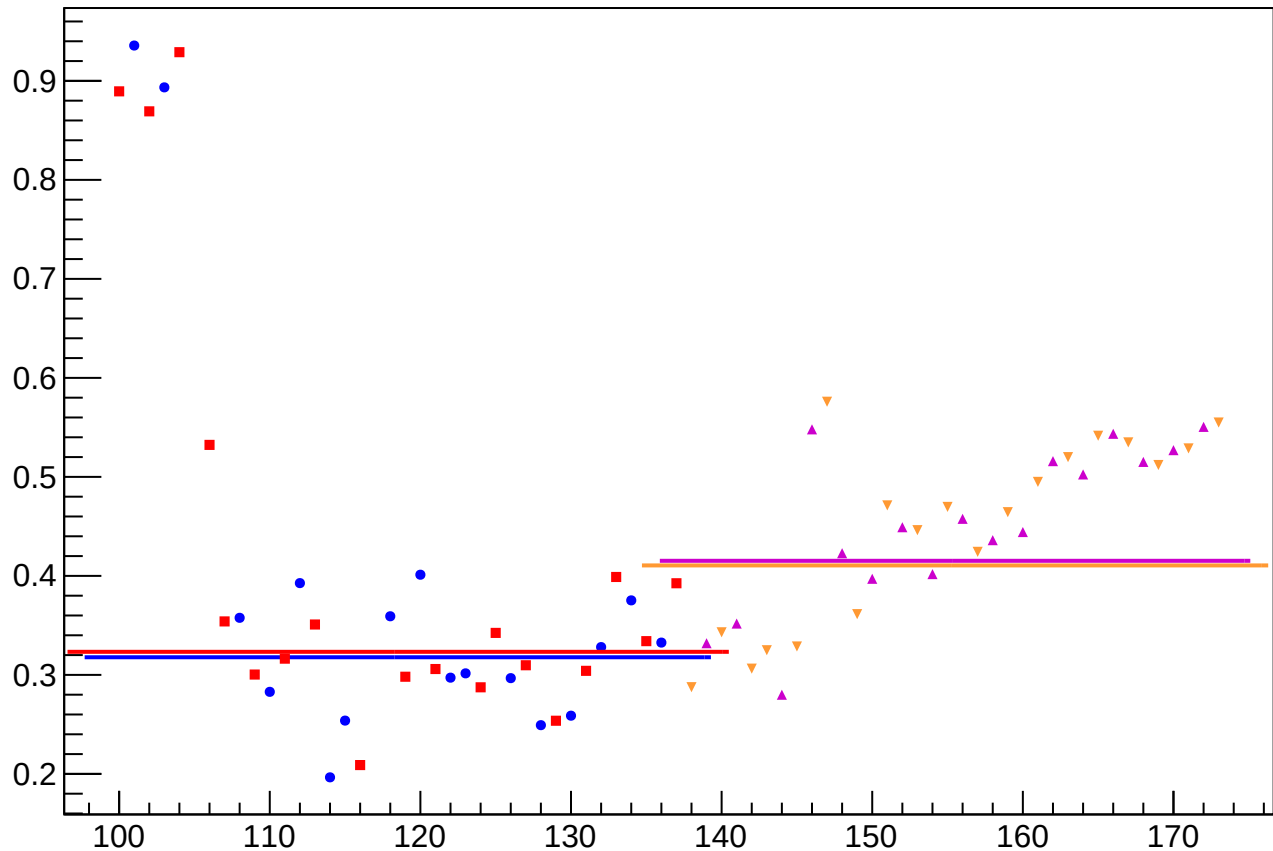
All: 0.371+/-0.000 χ^2/NDF : 5847926.1/71

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912+/-0.000	χ^2/NDF : 3587769790.2/16	Left: 148.583+/-0.000	χ^2/NDF : 361741273.4/35
Left Out: 148.763+/-0.000	χ^2/NDF : 41288014.9/18	Right: 144.280+/-0.000	χ^2/NDF : 7812104995.9/35
Right Out: 144.640+/-0.000	χ^2/NDF : 4209610240.4/18	In: 146.440+/-0.000	χ^2/NDF : 4525125309.3/33
Left In: 148.388+/-0.000	χ^2/NDF : 315221975.0/16	Out: 147.036+/-0.000	χ^2/NDF : 4804070058.1/37
		All: 146.746+/-0.000	χ^2/NDF : 9352278251.5

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318+/-0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.411+/-0.000 χ^2/NDF :1327964.9/18

Right Out: 0.323+/-0.000 χ^2/NDF : 1222241.9/18

Left In: 0.415+/-0.000 χ^2/NDF :1029599.0/16

Left: 0.413+/-0.000 χ^2/NDF : 2359184.7/35

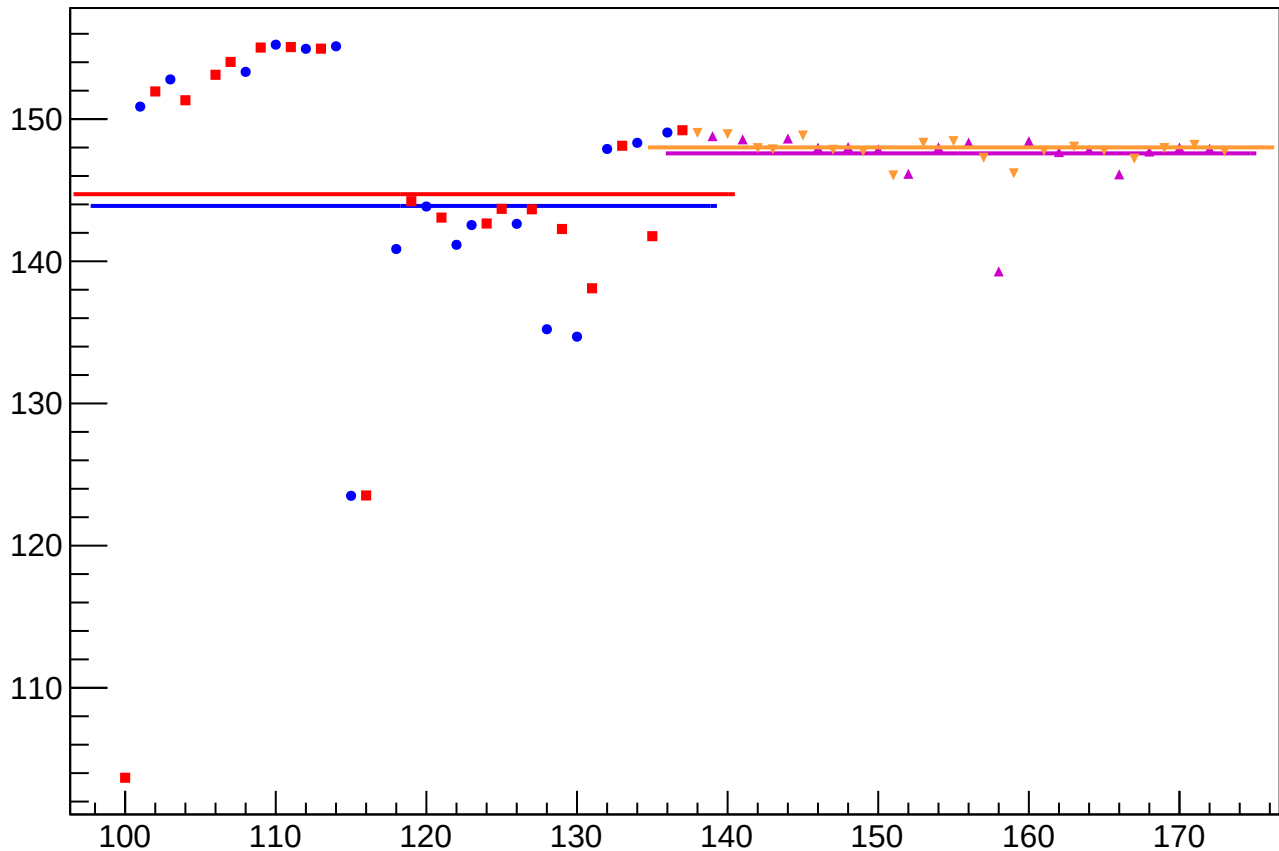
Right: 0.321+/-0.000 χ^2/NDF : 2492180.0/35

In: 0.373+/-0.000 χ^2/NDF :2887447.2/33

Out: 0.374+/-0.000 χ^2/NDF :3045920.9/37

All: 0.373+/-0.000 χ^2/NDF : 5933549.6/71

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 $\pm$ 0.000 χ^2 /NDF: 3752655677.2/16

Left Out: 148.009 $\pm$ 0.000 χ^2 /NDF: 51186122.3/18

Right Out: 144.719 $\pm$ 0.000 χ^2 /NDF: 4473225884.5/18

Left In: 147.591 $\pm$ 0.000 χ^2 /NDF: 324912832.1/16

Left: 147.809 $\pm$ 0.000 χ^2 /NDF: 382694853.6/35

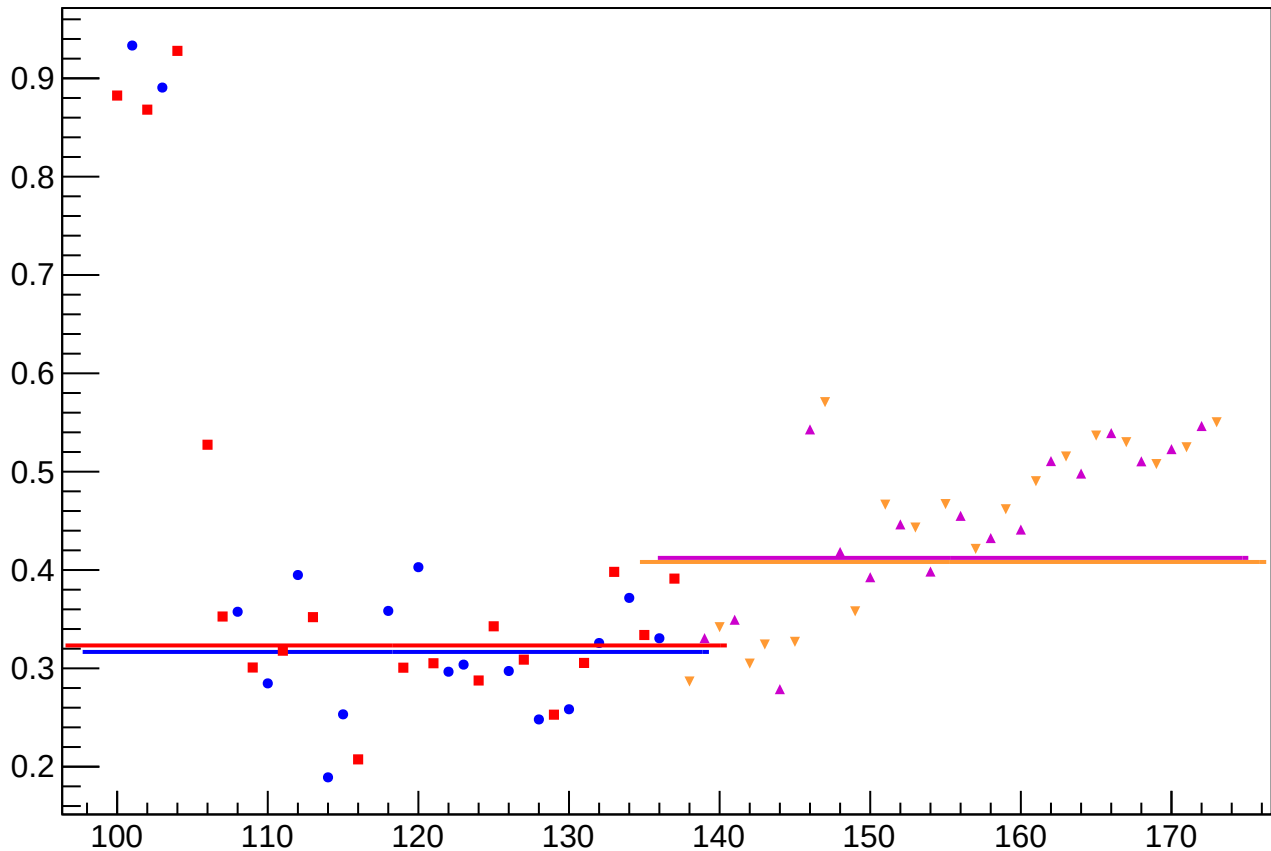
Right: 144.309 $\pm$ 0.000 χ^2 /NDF: 8244852440.8/35

In: 145.990 $\pm$ 0.000 χ^2 /NDF: 4506136407.4/33

Out: 146.641 $\pm$ 0.000 χ^2 /NDF: 4878688739.5/37

All: 146.324 $\pm$ 0.000 χ^2 /NDF: 9412546891.7

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317 $\pm$ 0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.408 $\pm$ 0.000 χ^2/NDF :1305725.6/18

Right Out: 0.323 $\pm$ 0.000 χ^2/NDF : 1222784.7/18

Left In: 0.412 $\pm$ 0.000 χ^2/NDF :1015777.3/16

Left: 0.410 $\pm$ 0.000 χ^2/NDF : 2322802.6/35

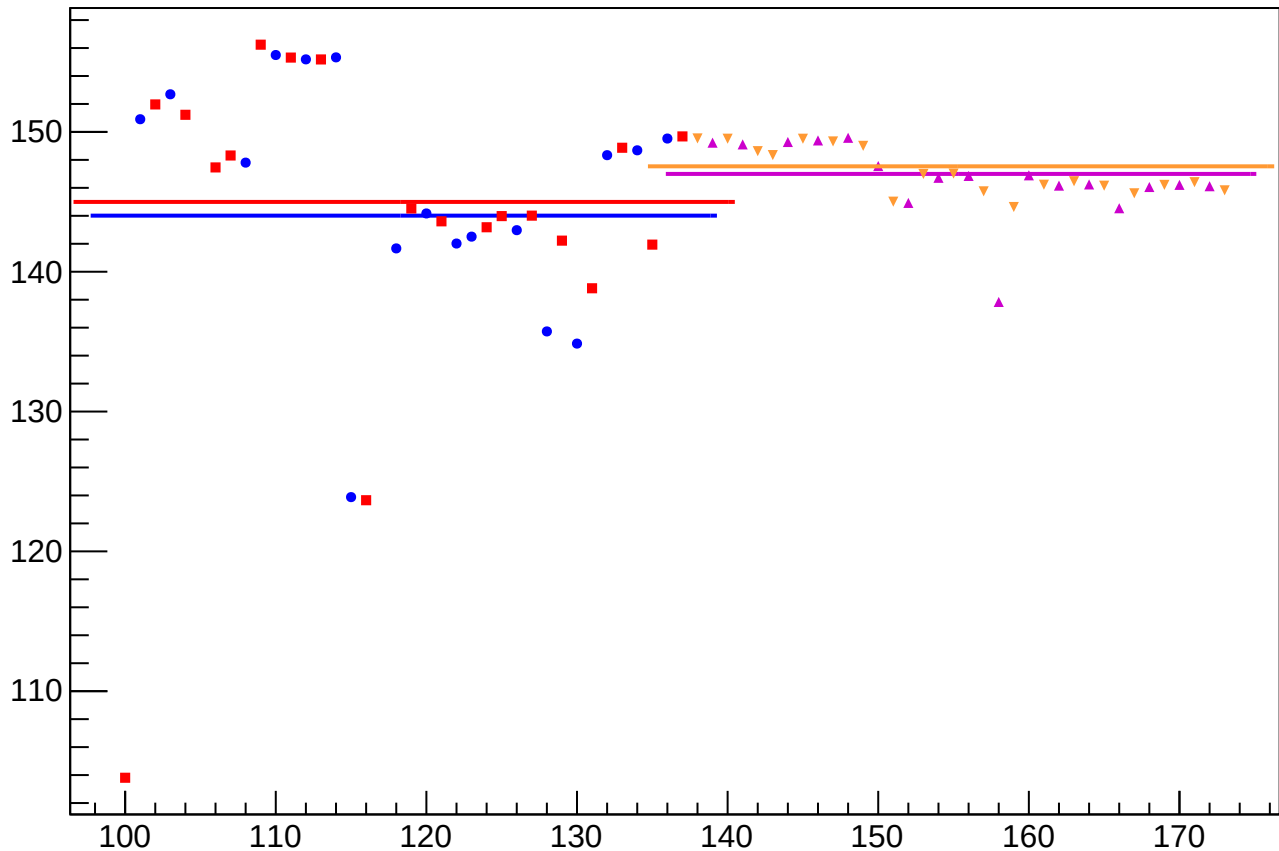
Right: 0.320 $\pm$ 0.000 χ^2/NDF : 2505560.8/35

In: 0.371 $\pm$ 0.000 χ^2/NDF :2869535.0/33

Out: 0.373 $\pm$ 0.000 χ^2/NDF :3000245.1/37

All: 0.372 $\pm$ 0.000 χ^2/NDF : 5870271.2/71

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 $\pm$ 0.000 χ^2 /NDF: 3241696920.3/16

Left Out: 147.539 $\pm$ 0.000 χ^2 /NDF: 207856358.4/18

Right Out: 144.994 $\pm$ 0.000 χ^2 /NDF: 3852381452.1/18

Left In: 146.996 $\pm$ 0.000 χ^2 /NDF: 507004816.9/16

Left: 147.279 $\pm$ 0.000 χ^2 /NDF: 725263029.1/35

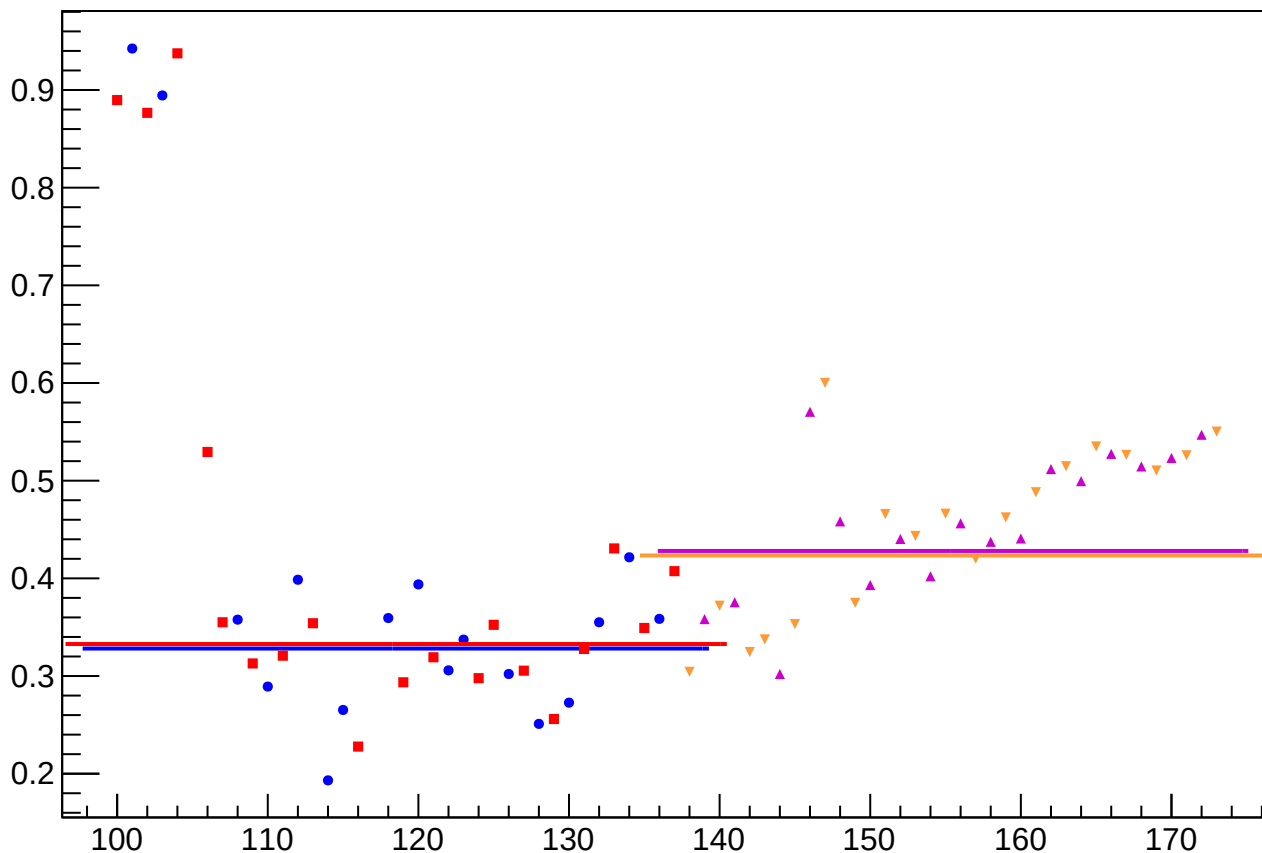
Right: 144.510 $\pm$ 0.000 χ^2 /NDF: 7119138597.7/35

In: 145.710 $\pm$ 0.000 χ^2 /NDF: 4008746105.9/33

Out: 146.476 $\pm$ 0.000 χ^2 /NDF: 4259591977.7/37

All: 146.105 $\pm$ 0.000 χ^2 /NDF: 8304333387.0

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328+/-0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.423+/-0.000 χ^2/NDF :1017907.6/18

Right Out: 0.333+/-0.000 χ^2/NDF : 1185129.6/18

Left In: 0.428+/-0.000 χ^2/NDF :771186.9/16

Left: 0.426+/-0.000 χ^2/NDF : 1790630.9/35

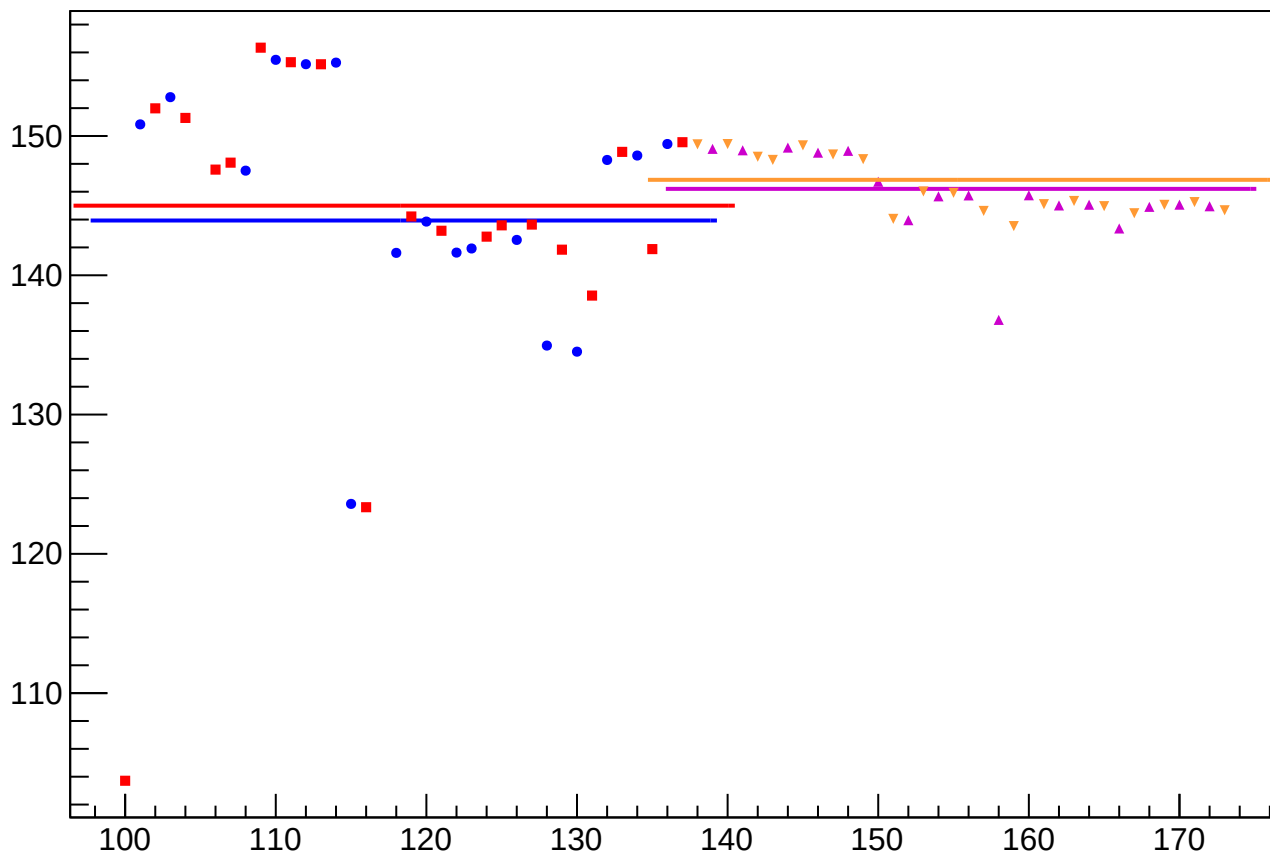
Right: 0.330+/-0.000 χ^2/NDF : 2452140.8/35

In: 0.385+/-0.000 χ^2/NDF :2620503.8/33

Out: 0.386+/-0.000 χ^2/NDF :2708540.7/37

All: 0.385+/-0.000 χ^2/NDF : 5329083.5/71

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 146.854 $\pm$ 0.000 χ^2 /NDF: 323277621.6/18

Right Out: 144.998 $\pm$ 0.000 χ^2 /NDF: 3932958476.0/18

Left In: 146.204 $\pm$ 0.000 χ^2 /NDF: 629320654.2/16

Left: 146.543 $\pm$ 0.000 χ^2 /NDF: 967443208.9/35

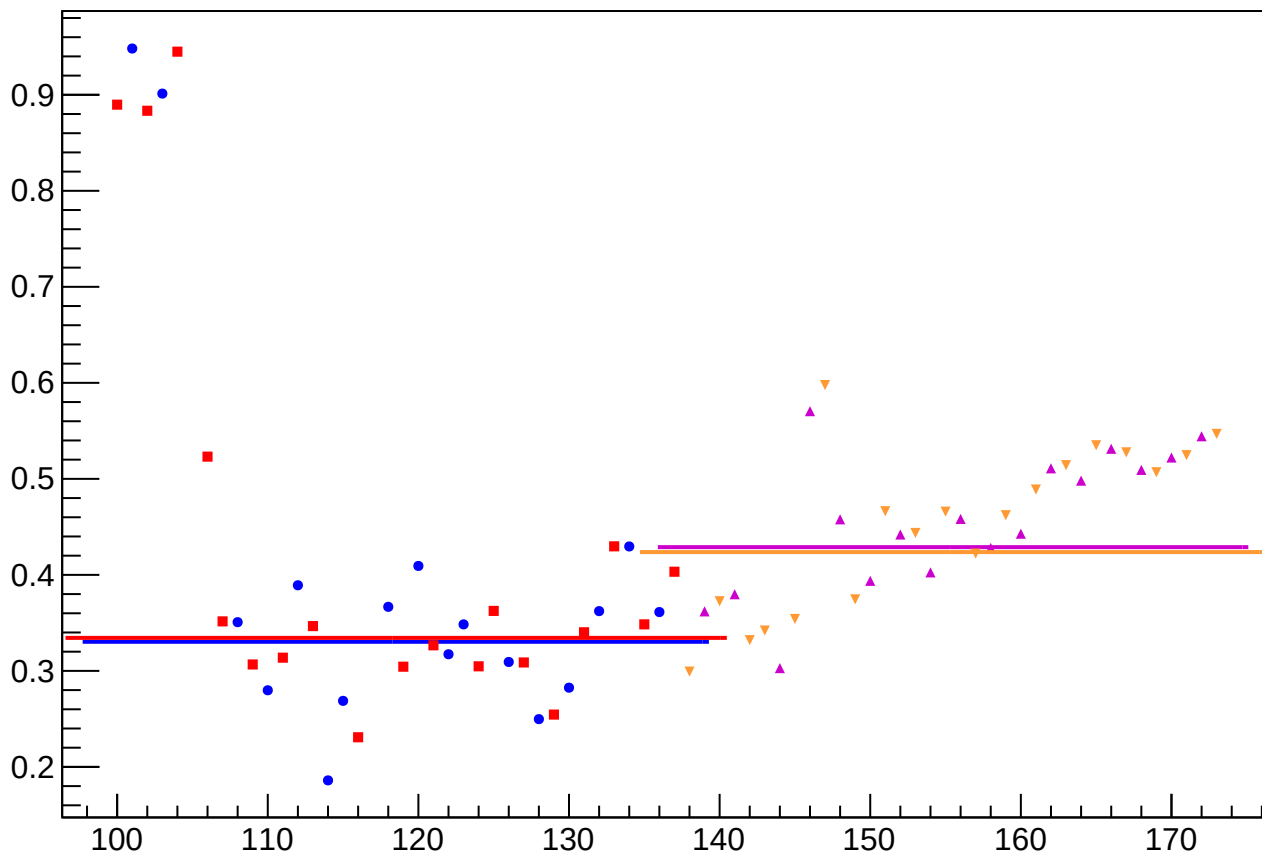
Right: 144.474 $\pm$ 0.000 χ^2 /NDF: 7345100324.4/35

In: 145.232 $\pm$ 0.000 χ^2 /NDF: 4161293395.4/33

Out: 146.083 $\pm$ 0.000 χ^2 /NDF: 4361352085.0/37

All: 145.671 $\pm$ 0.000 χ^2 /NDF: 8566683170.6

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330+/-0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.424+/-0.000 χ^2/NDF : 1007101.6/18

Right Out: 0.334+/-0.000 χ^2/NDF : 1174012.0/18

Left In: 0.429+/-0.000 χ^2/NDF : 744170.0/16

Left: 0.426+/-0.000 χ^2/NDF : 1753127.1/35

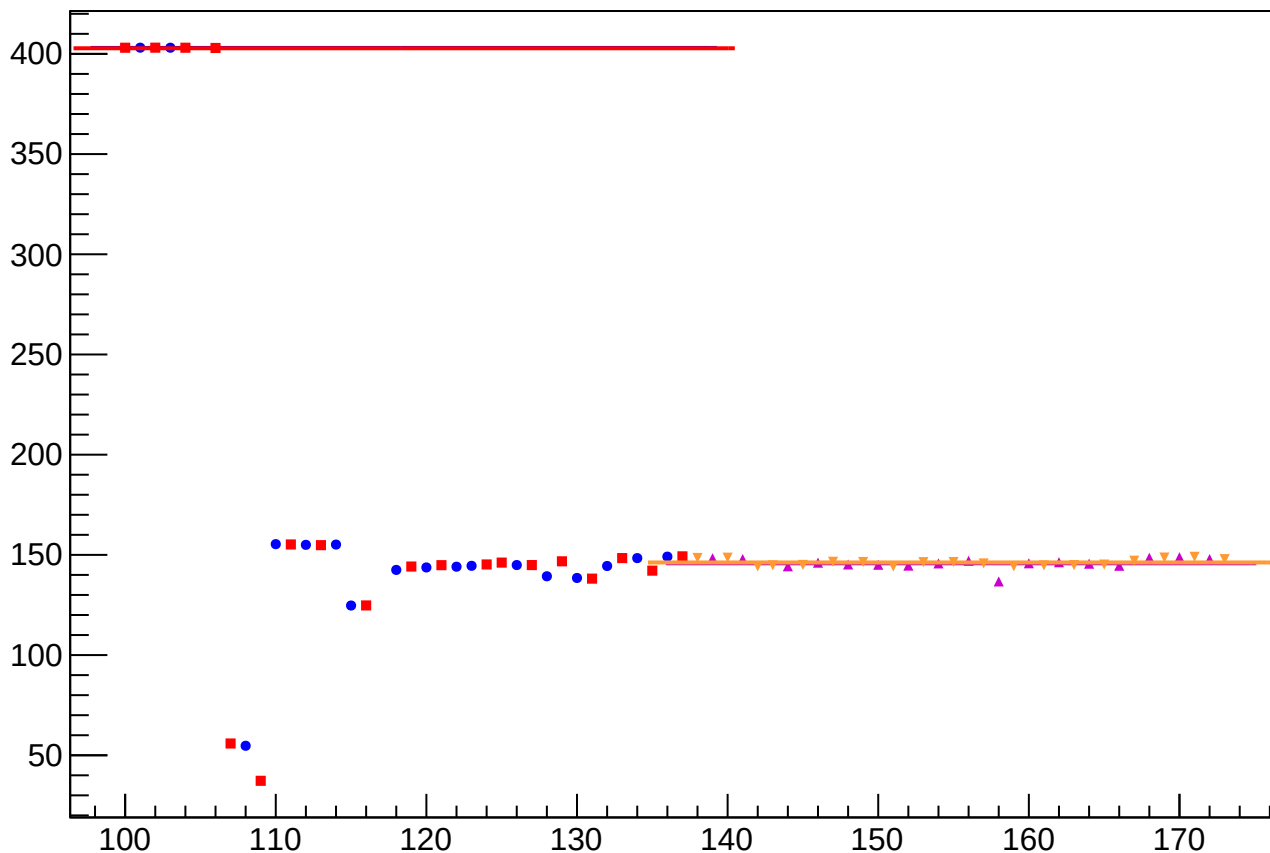
Right: 0.332+/-0.000 χ^2/NDF : 2458819.5/35

In: 0.387+/-0.000 χ^2/NDF : 2589099.9/33

Out: 0.387+/-0.000 χ^2/NDF : 2668638.5/37

All: 0.387+/-0.000 χ^2/NDF : 5257739.2/71

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000

χ^2/NDF : 1094364588383.4/16

Left: 146.014+/-0.000

χ^2/NDF : 244545385.4/35

Right: 402.873+/-0.000

χ^2/NDF : 4196818264482.1/16

Left Out: 146.216+/-0.000

χ^2/NDF : 73346646.5/18

Right Out: 402.799+/-0.000

χ^2/NDF : 3102036567767.5/18

In: 402.744+/-0.000

χ^2/NDF : 2808897257930.2/35

Out: 402.599+/-0.000

χ^2/NDF : 4905335680750.9/35

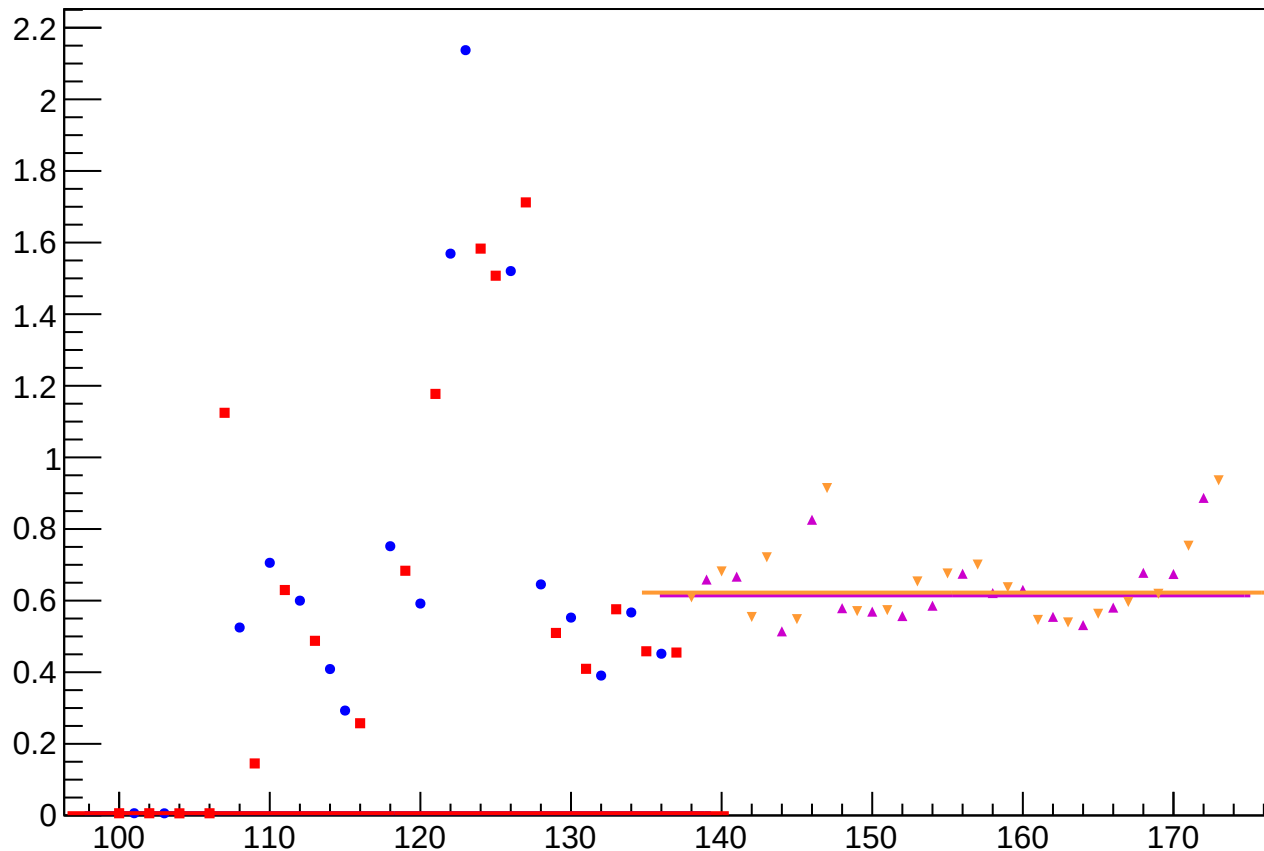
Left In: 145.801+/-0.000

χ^2/NDF : 168896615.4/16

All: 402.667+/-0.000

χ^2/NDF : 771457663160.4/16

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.622+/-0.000 χ^2/NDF : 460134.7/18

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

Left In: 0.615+/-0.000 χ^2/NDF : 345282.8/16

Left: 0.619+/-0.000 χ^2/NDF : 807005.1/35

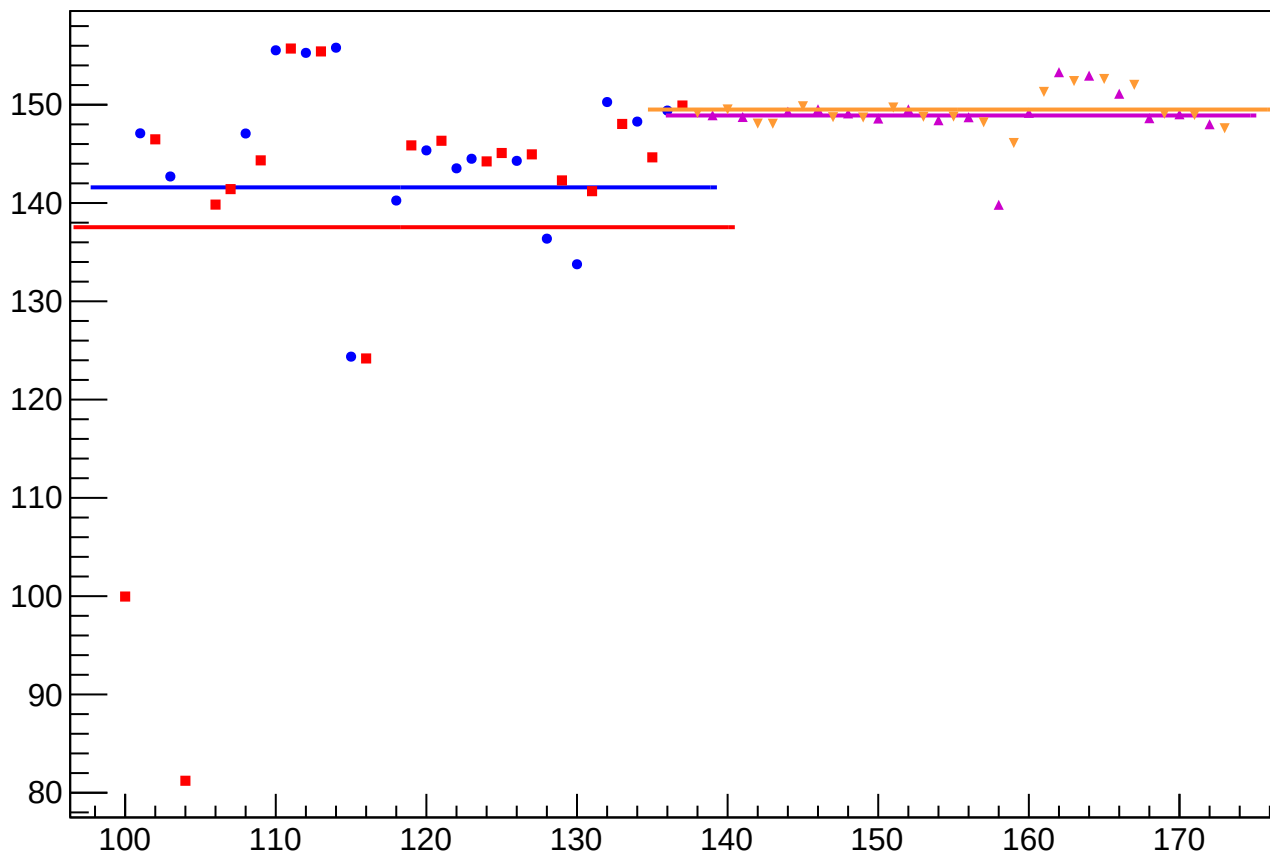
Right: 0.006+/-0.000 χ^2/NDF : 18272681.8/35

In: 0.007+/-0.000 χ^2/NDF : 28613240.4/33

Out: 0.007+/-0.000 χ^2/NDF : 30445542.4/37

All: 0.007+/-0.000 χ^2/NDF : 59058830.9/71

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 149.510 $\pm$ 0.000 χ^2 /NDF: 123113438.9/18

Right Out: 137.539 $\pm$ 0.000 χ^2 /NDF: 1316096307.7/18

Left In: 148.905 $\pm$ 0.000 χ^2 /NDF: 363986462.1/16

Left: 149.220 $\pm$ 0.000 χ^2 /NDF: 494222537.4/35

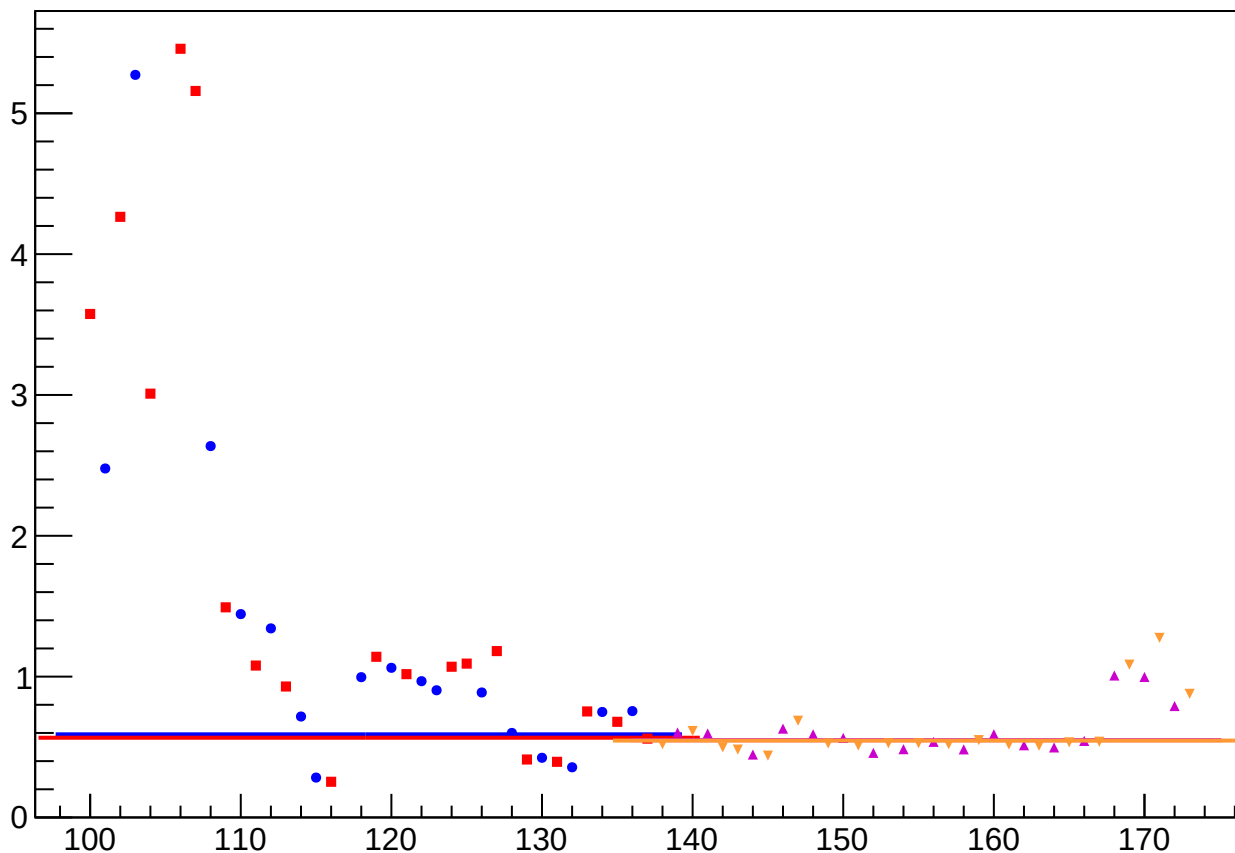
Right: 139.514 $\pm$ 0.000 χ^2 /NDF: 2381261600.7/35

In: 147.354 $\pm$ 0.000 χ^2 /NDF: 1769360958.7/33

Out: 147.022 $\pm$ 0.000 χ^2 /NDF: 2645109702.4/37

All: 147.182 $\pm$ 0.000 χ^2 /NDF: 4417190420.3

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.546 $\pm$ 0.000 χ^2 /NDF:1217795.5/18

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

Left In: 0.549 $\pm$ 0.000 χ^2 /NDF:958898.6/16

Left: 0.547 $\pm$ 0.000 χ^2 /NDF: 2177007.8/35

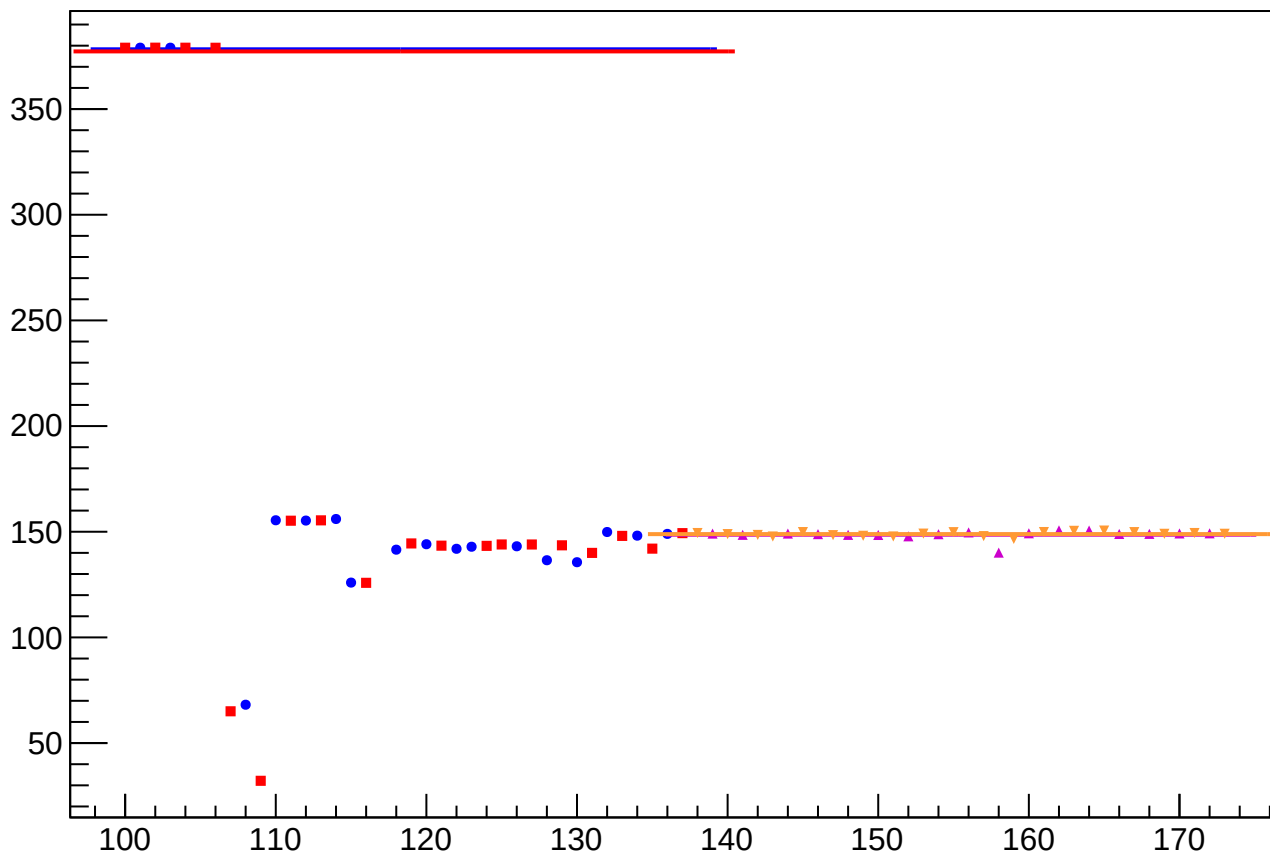
Right: 0.578 $\pm$ 0.000 χ^2 /NDF: 8181648.0/35

In: 0.558 $\pm$ 0.000 χ^2 /NDF:4478291.3/33

Out: 0.550 $\pm$ 0.000 χ^2 /NDF:5908226.2/37

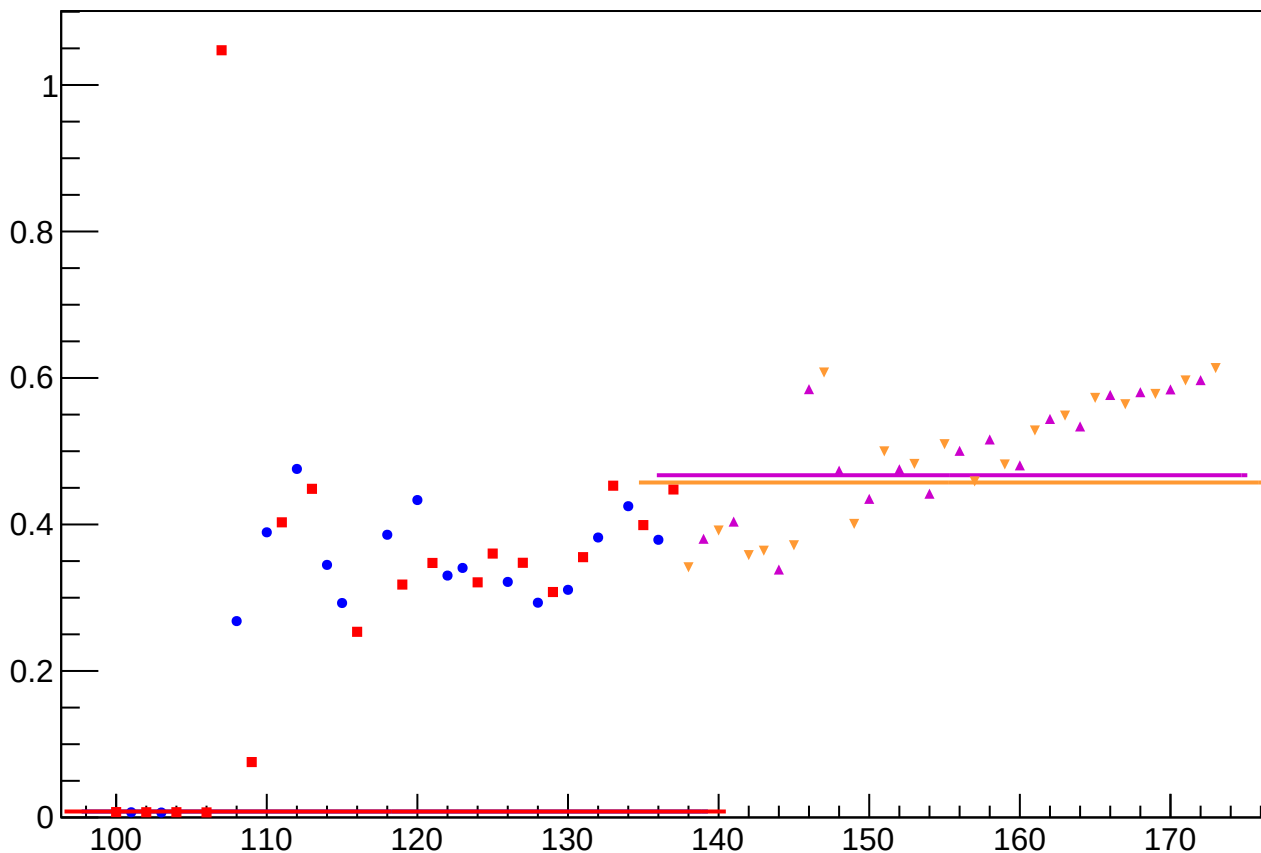
All: 0.554 $\pm$ 0.000 χ^2 /NDF: 10389255.3/71

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000	χ^2/NDF : 2508313421453.8/16	Left: 148.738+/-0.000	χ^2/NDF : 298707353.0/35
Left Out: 148.870+/-0.000	χ^2/NDF : 60695847.9/18	Right: 377.752+/-0.000	χ^2/NDF : 10801647529340.1
Right Out: 377.287+/-0.000	χ^2/NDF : 8286303106836.4/18	In: 377.299+/-0.000	χ^2/NDF : 5516755900480.1/35
Left In: 148.590+/-0.000	χ^2/NDF : 235643643.2/16	Out: 376.334+/-0.000	χ^2/NDF : 11591455739461.8
		All: 376.785+/-0.000	χ^2/NDF : 171148466403.0

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF : 9806719.4/16

Left Out: 0.457+/-0.000 χ^2/NDF : 1010781.0/18

Right Out: 0.008+/-0.000 χ^2/NDF : 9522827.2/18

Left In: 0.467+/-0.000 χ^2/NDF : 737081.2/16

Left: 0.462+/-0.000 χ^2/NDF : 1753794.1/35

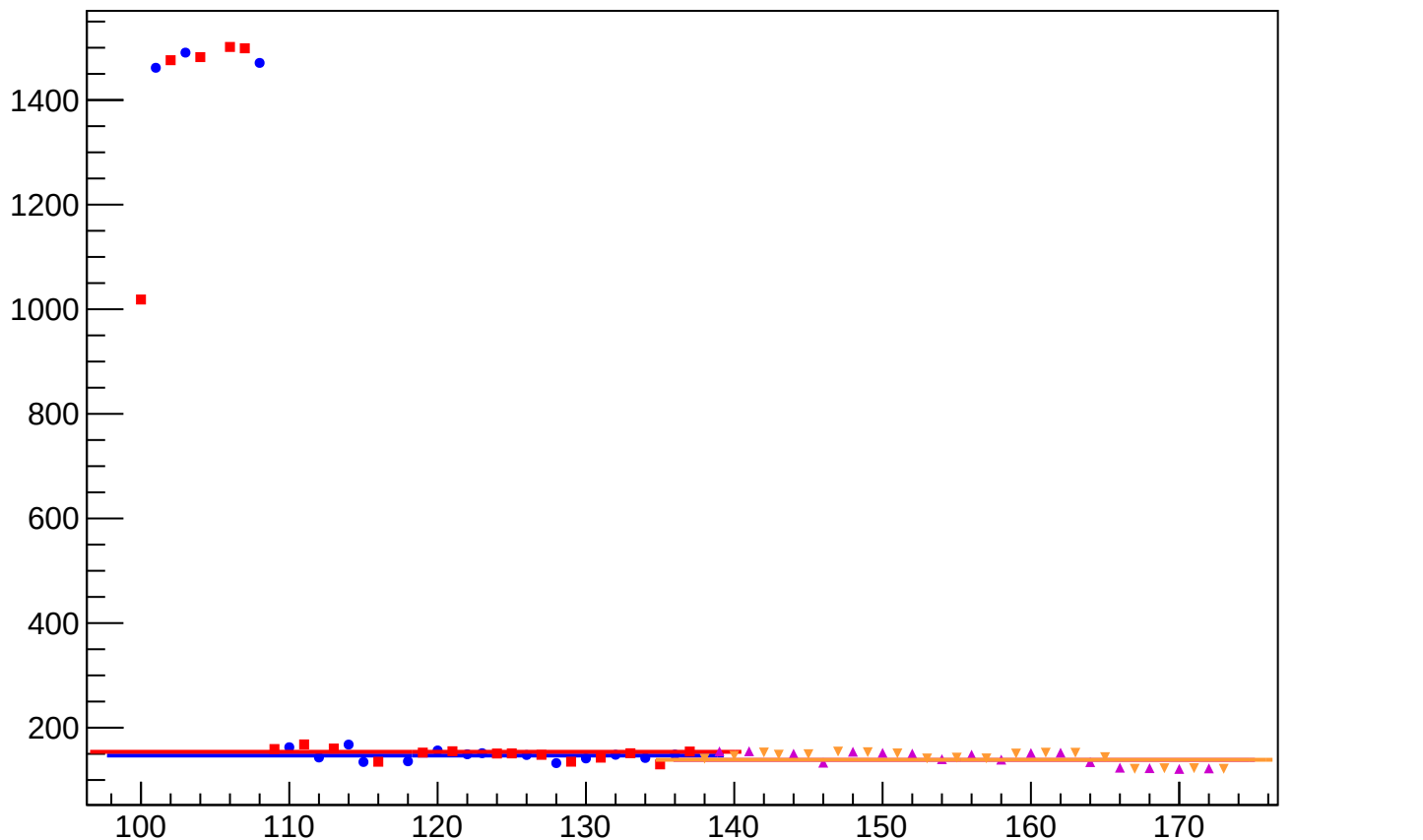
Right: 0.008+/-0.000 χ^2/NDF : 19329555.6/35

In: 0.010+/-0.000 χ^2/NDF : 34579705.4/33

Out: 0.010+/-0.000 χ^2/NDF : 36093033.3/37

All: 0.010+/-0.000 χ^2/NDF : 70672802.2/71

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 138.683+/-0.000 χ^2/NDF : 2839454593.7/18

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

Left In: 138.427+/-0.000 χ^2/NDF : 2787202207.8/16

Left: 138.561+/-0.000 χ^2/NDF : 5627201086.6/35

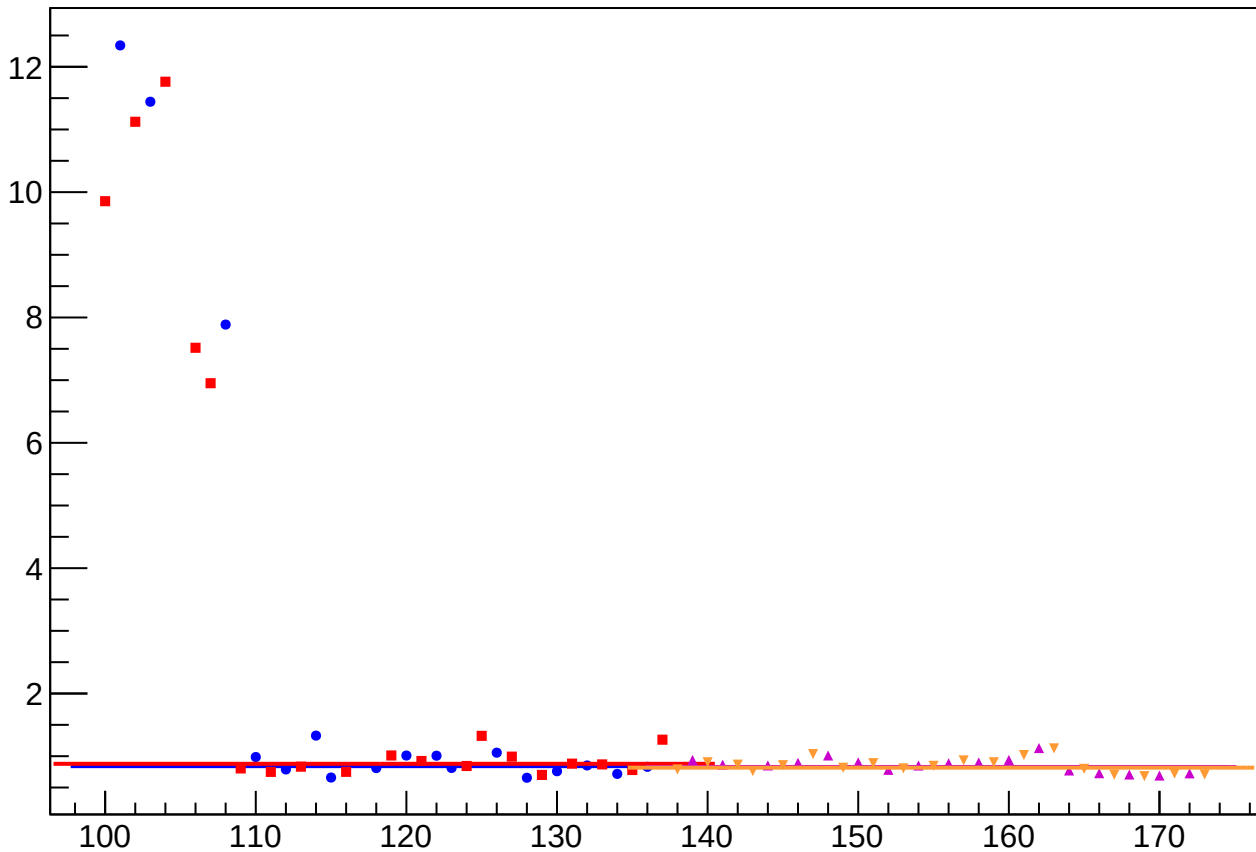
Right: 150.348+/-0.000 χ^2/NDF : 58231390734.2/35

In: 140.521+/-0.000 χ^2/NDF : 27429337928.3/33

Out: 142.217+/-0.000 χ^2/NDF : 37517262743.9/37

All: 141.396+/-0.000 χ^2/NDF : 64978276703.0/70

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841 ± 0.000 χ^2/NDF : 2662395.1/16

Left Out: 0.817 ± 0.000 χ^2/NDF : 434505.8/18

Right Out: 0.878 ± 0.000 χ^2/NDF : 2814626.6/18

Left In: 0.828 ± 0.000 χ^2/NDF : 373121.6/16

Left: 0.822 ± 0.000 χ^2/NDF : 809526.8/35

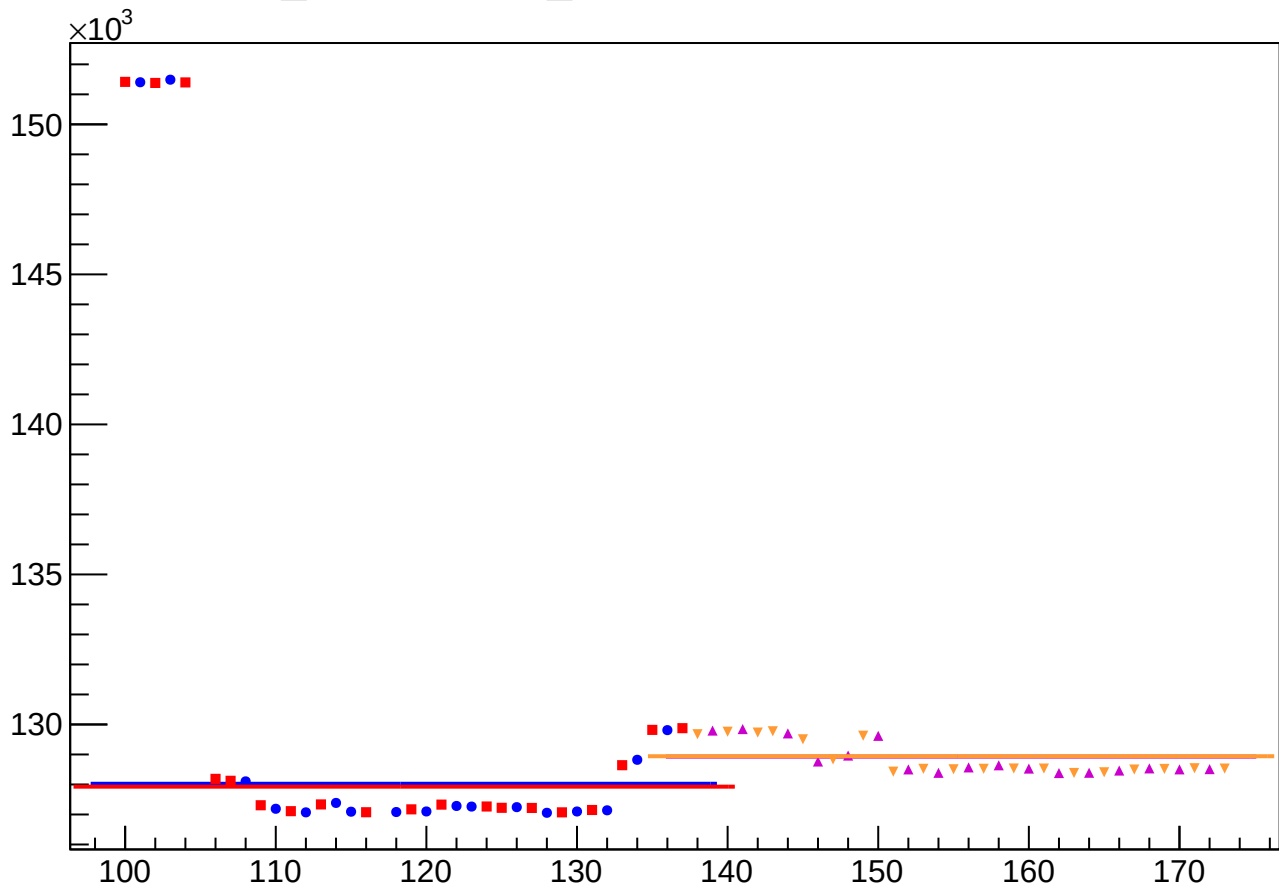
Right: 0.860 ± 0.000 χ^2/NDF : 5484331.4/35

In: 0.831 ± 0.000 χ^2/NDF : 3036946.1/33

Out: 0.831 ± 0.000 χ^2/NDF : 3279495.3/37

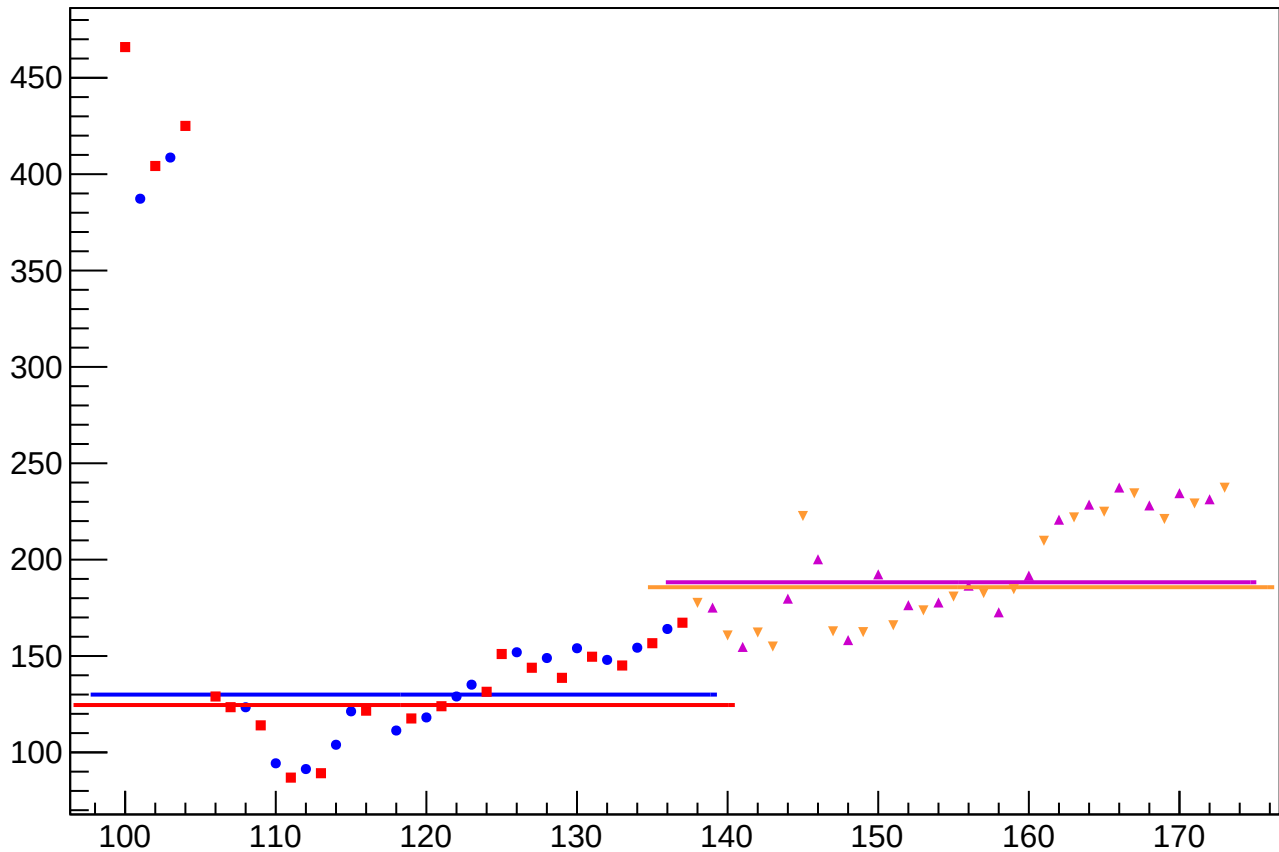
All: 0.831 ± 0.000 χ^2/NDF : 6316442.2/71

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16
 Left Out: 128941.504 $\pm$ 0.050 χ^2 /NDF: 126777085.1/18
 Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18
 Left In: 128928.722 $\pm$ 0.052 χ^2 /NDF: 112874649.8/16
 Left: 128935.425 $\pm$ 0.036 χ^2 /NDF: 239682862.2/35
 Right: 127971.691 $\pm$ 0.037 χ^2 /NDF: 8085261759.1/18
 In: 128493.681 $\pm$ 0.038 χ^2 /NDF: 4572494853.5/35
 Out: 128438.631 $\pm$ 0.035 χ^2 /NDF: 4098097793.9/35
 All: 128464.403 $\pm$ 0.026 χ^2 /NDF: 867172009.1/18

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 +/- 0.039 χ^2/NDF : 1485519.5/16

Left Out: 185.697 +/- 0.035 χ^2/NDF : 579601.3/18

Right Out: 124.566 +/- 0.036 χ^2/NDF : 1531273.9/18

Left In: 188.266 +/- 0.037 χ^2/NDF : 460843.3/16

Left: 186.919 +/- 0.026 χ^2/NDF : 1042959.5/35

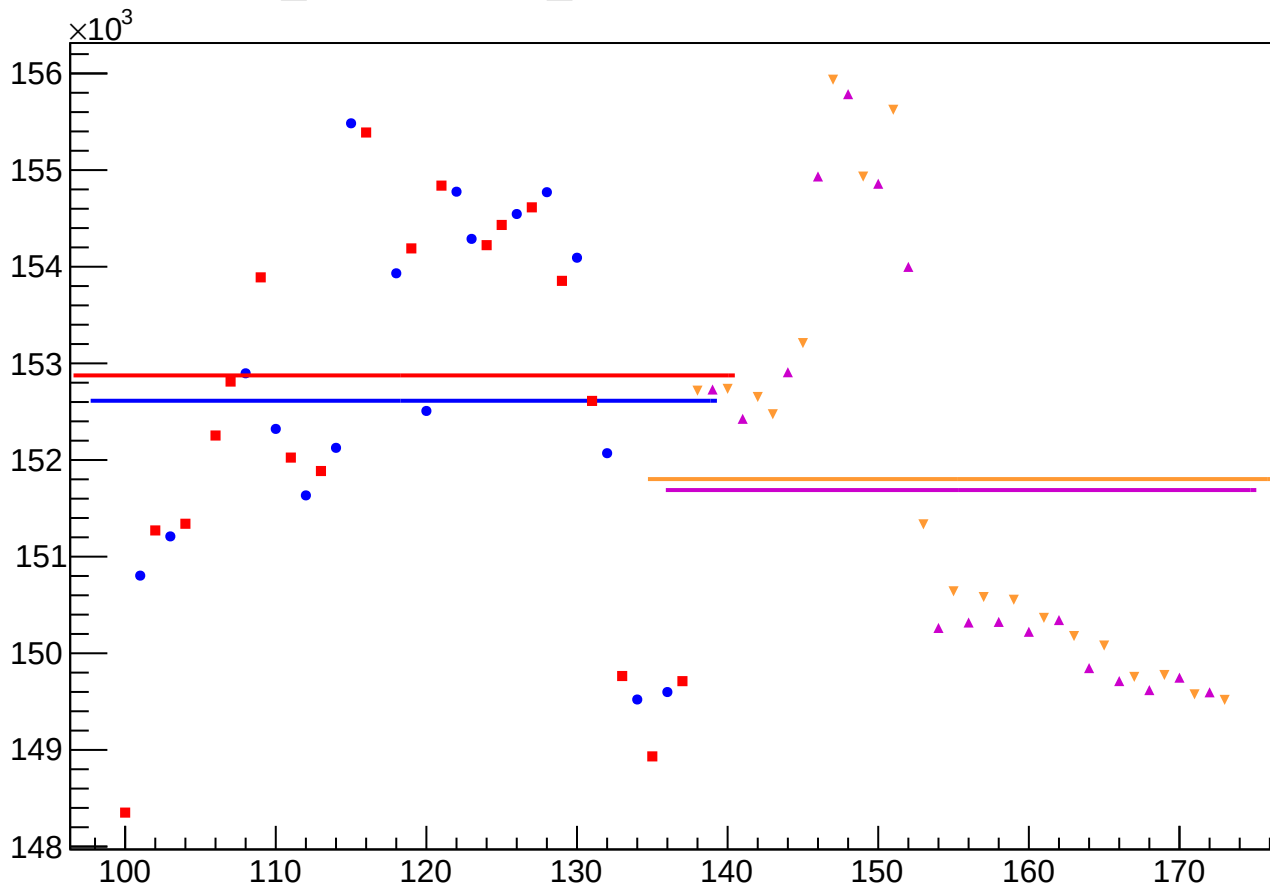
Right: 127.058 +/- 0.026 χ^2/NDF : 3027426.7/35

In: 160.253 +/- 0.027 χ^2/NDF : 3132845.8/33

Out: 155.382 +/- 0.025 χ^2/NDF : 3595652.9/37

All: 157.662 +/- 0.018 χ^2/NDF : 6746159.8/71

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072 χ^2 /NDF: 623356098.4/16

Left Out: 151802.661 $\pm$ 0.054 χ^2 /NDF: 1241524203.0/18

Right Out: 152875.313 $\pm$ 0.066 χ^2 /NDF: 716358700.9/18

Left In: 151689.065 $\pm$ 0.056 χ^2 /NDF: 1221606170.9/16

Left: 151748.013 $\pm$ 0.039 χ^2 /NDF: 2465250203.1/3

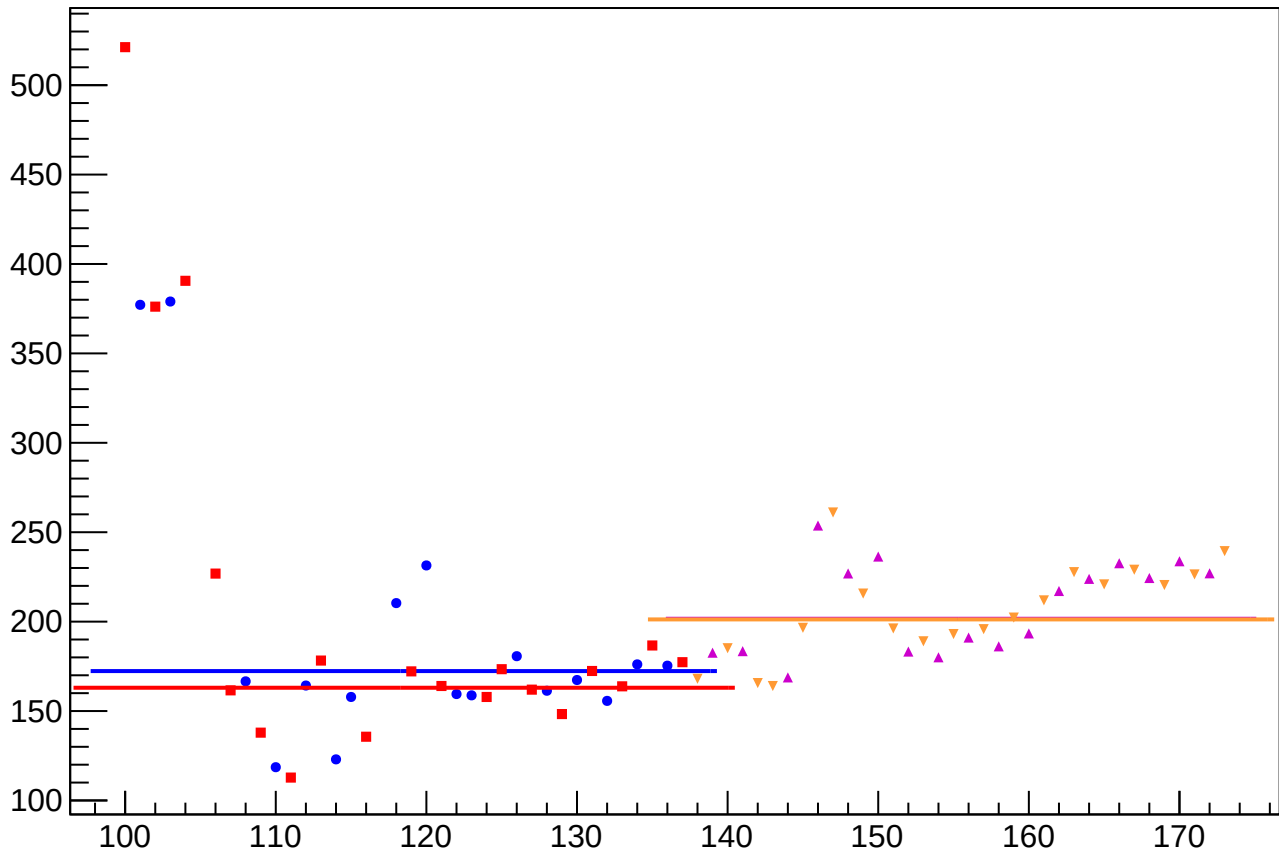
Right: 152755.689 $\pm$ 0.049 χ^2 /NDF: 1346872378.3/3

In: 152037.337 $\pm$ 0.044 χ^2 /NDF: 1946841987.6/3

Out: 152232.346 $\pm$ 0.042 χ^2 /NDF: 2115272684.4/3

All: 152140.417 $\pm$ 0.030 χ^2 /NDF: 407232742

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 201.240+/-0.038 χ^2/NDF : 399994.1/18

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

Left In: 201.611+/-0.040 χ^2/NDF : 381088.9/16

Left: 201.418+/-0.028 χ^2/NDF : 781128.2/35

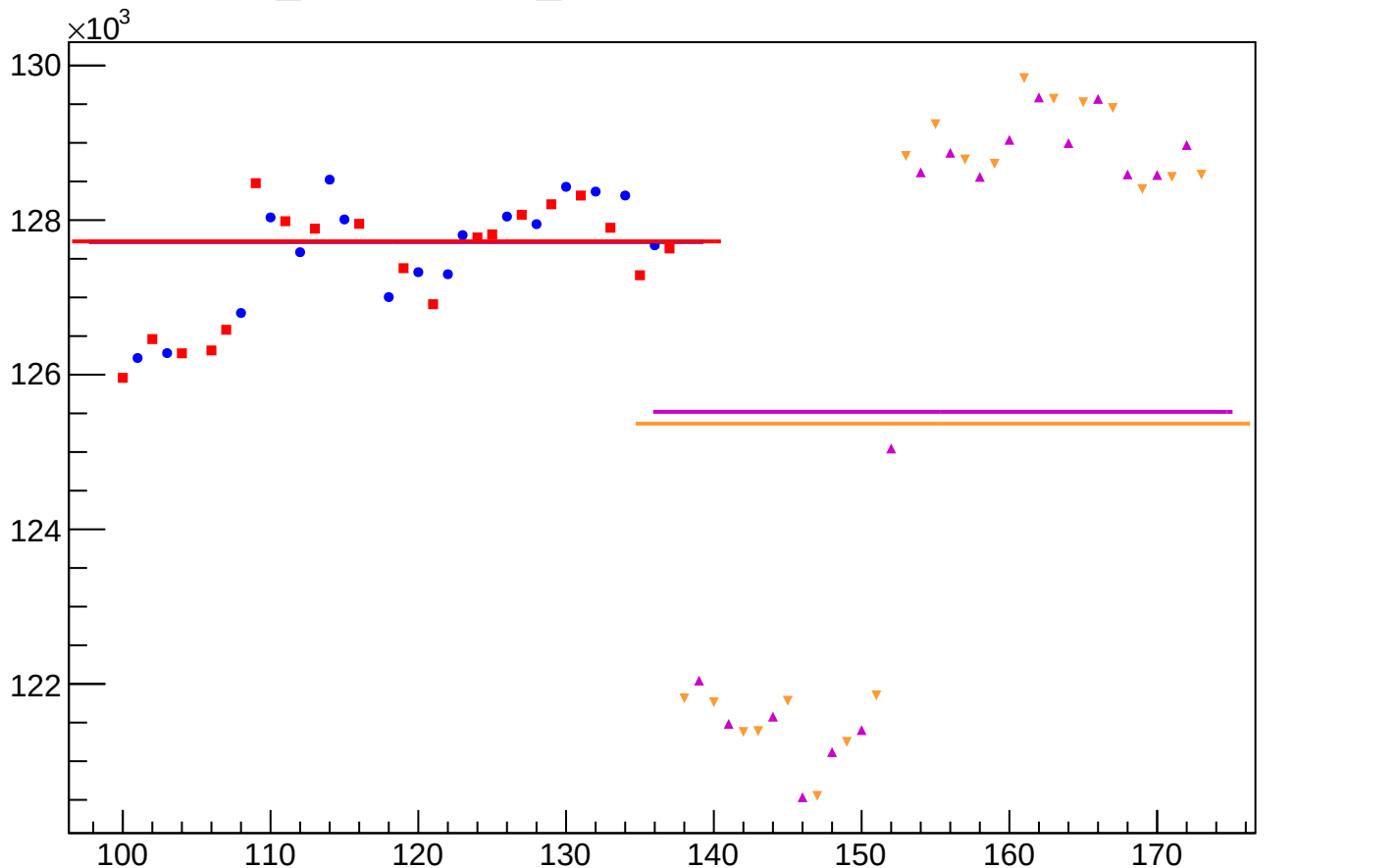
Right: 167.282+/-0.035 χ^2/NDF : 1972741.3/35

In: 190.583+/-0.031 χ^2/NDF : 1507292.2/33

Out: 185.933+/-0.030 χ^2/NDF : 1832163.1/37

All: 188.125+/-0.022 χ^2/NDF : 3351066.5/71

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058 χ^2 /NDF: 95177660.2/16

Left Out: 125367.737 $\pm$ 0.048 χ^2 /NDF: 6075472386.1/18

Right Out: 127724.519 $\pm$ 0.055 χ^2 /NDF: 112550604.4/18

Left In: 125520.093 $\pm$ 0.049 χ^2 /NDF: 5333086036.9/16

Left: 125443.110 $\pm$ 0.034 χ^2 /NDF: 11413493289.9

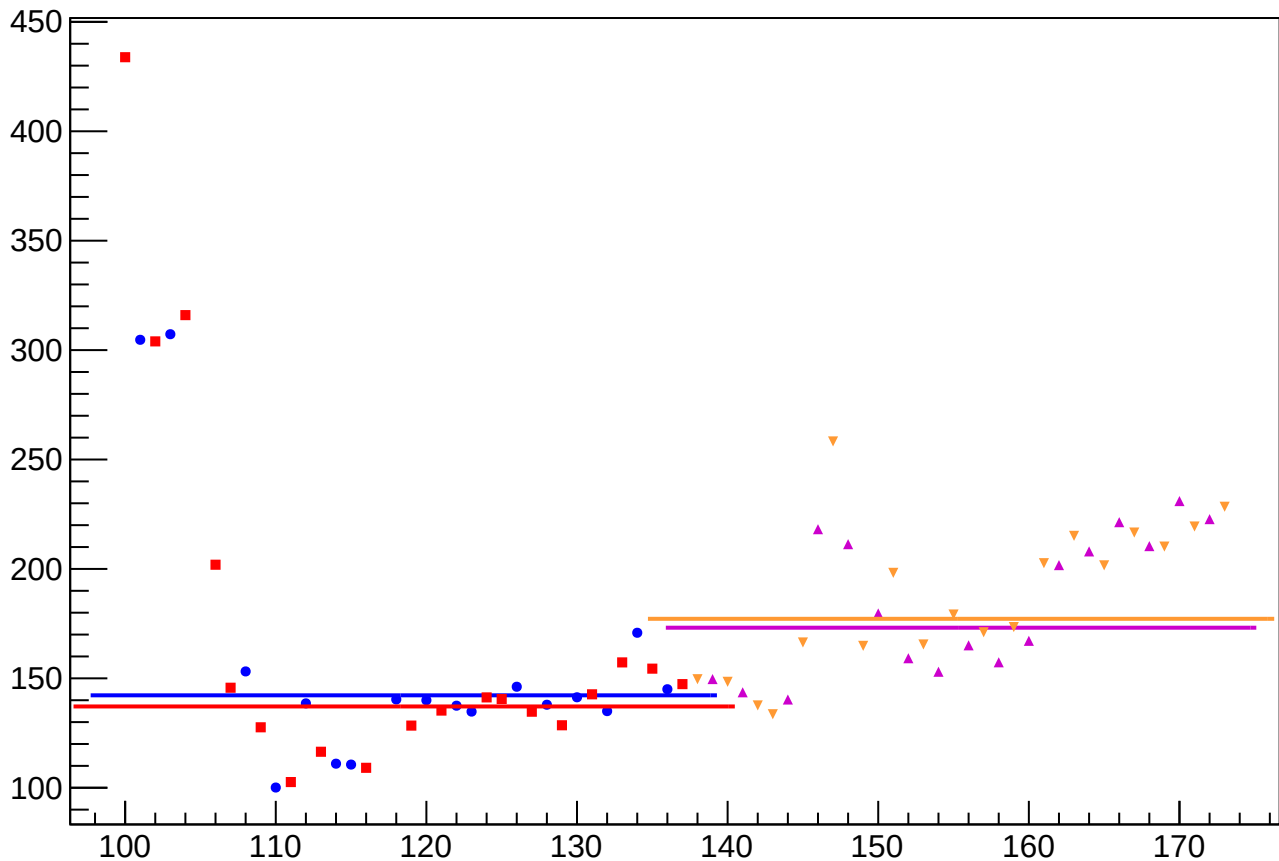
Right: 127721.424 $\pm$ 0.040 χ^2 /NDF: 207735167.4/3

In: 126424.799 $\pm$ 0.037 χ^2 /NDF: 6264846232.3/33

Out: 126402.578 $\pm$ 0.036 χ^2 /NDF: 7236090773.5/3

All: 126413.306 $\pm$ 0.026 χ^2 /NDF: 135011196

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240+/-0.041 χ^2/NDF : 836415.1/16

Left Out: 177.206+/-0.034 χ^2/NDF : 817699.3/18

Right Out: 137.151+/-0.039 χ^2/NDF : 957730.8/18

Left In: 173.139+/-0.034 χ^2/NDF : 716923.1/16

Left: 175.194+/-0.024 χ^2/NDF : 1541655.0/35

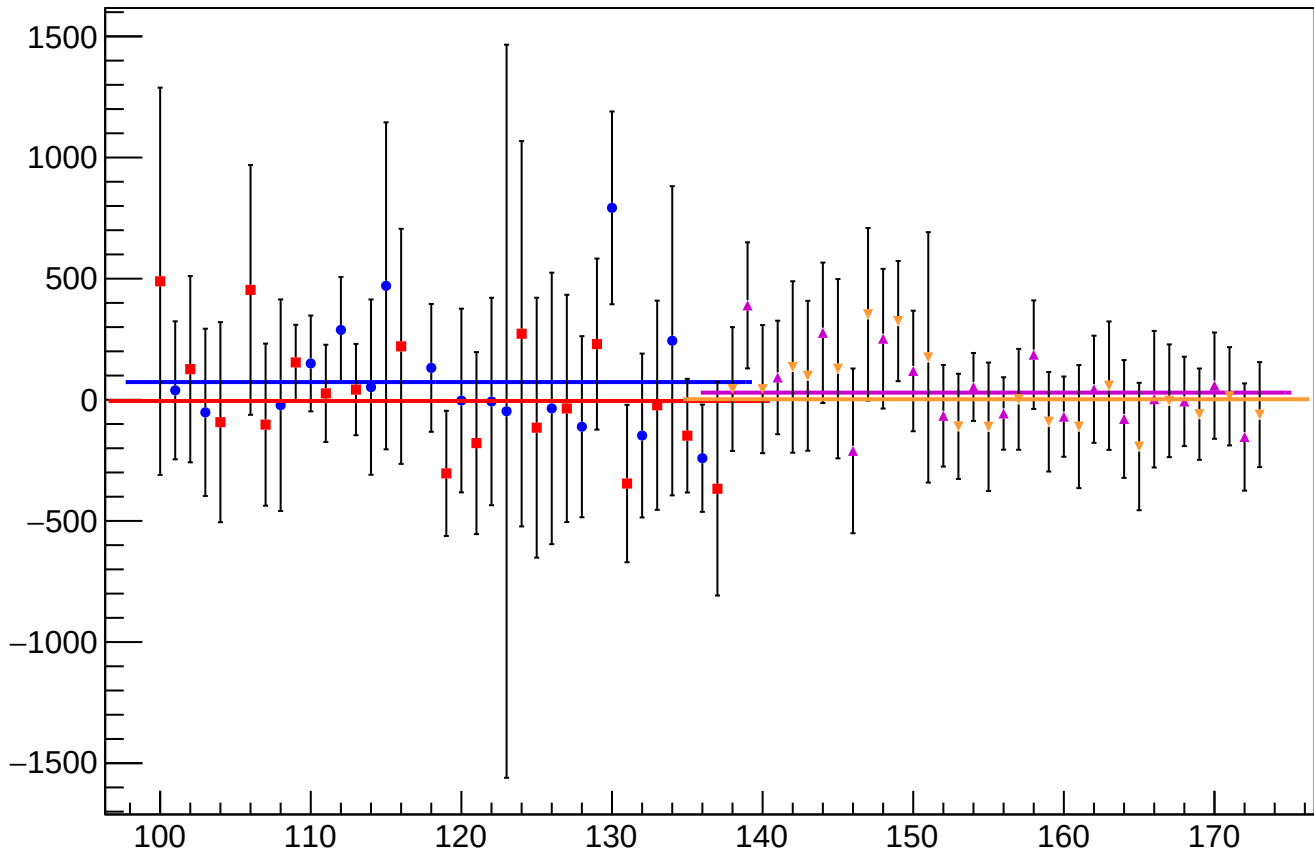
Right: 139.526+/-0.028 χ^2/NDF : 1802277.5/35

In: 160.420+/-0.026 χ^2/NDF : 1884048.4/33

Out: 159.618+/-0.026 χ^2/NDF : 2380894.2/37

All: 160.005+/-0.018 χ^2/NDF : 4265417.8/71

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109 $\pm$ 79.604 χ^2 /NDF: 7.9/16

Left Out: 2.292 $\pm$ 57.553 χ^2 /NDF:4.8/18

Right Out: -5.021 $\pm$ 70.098 χ^2 /NDF: 7.1/18

Left In: 29.608 $\pm$ 51.507 χ^2 /NDF:6.3/16

Left: 17.460 $\pm$ 38.381 χ^2 /NDF: 11.3/35

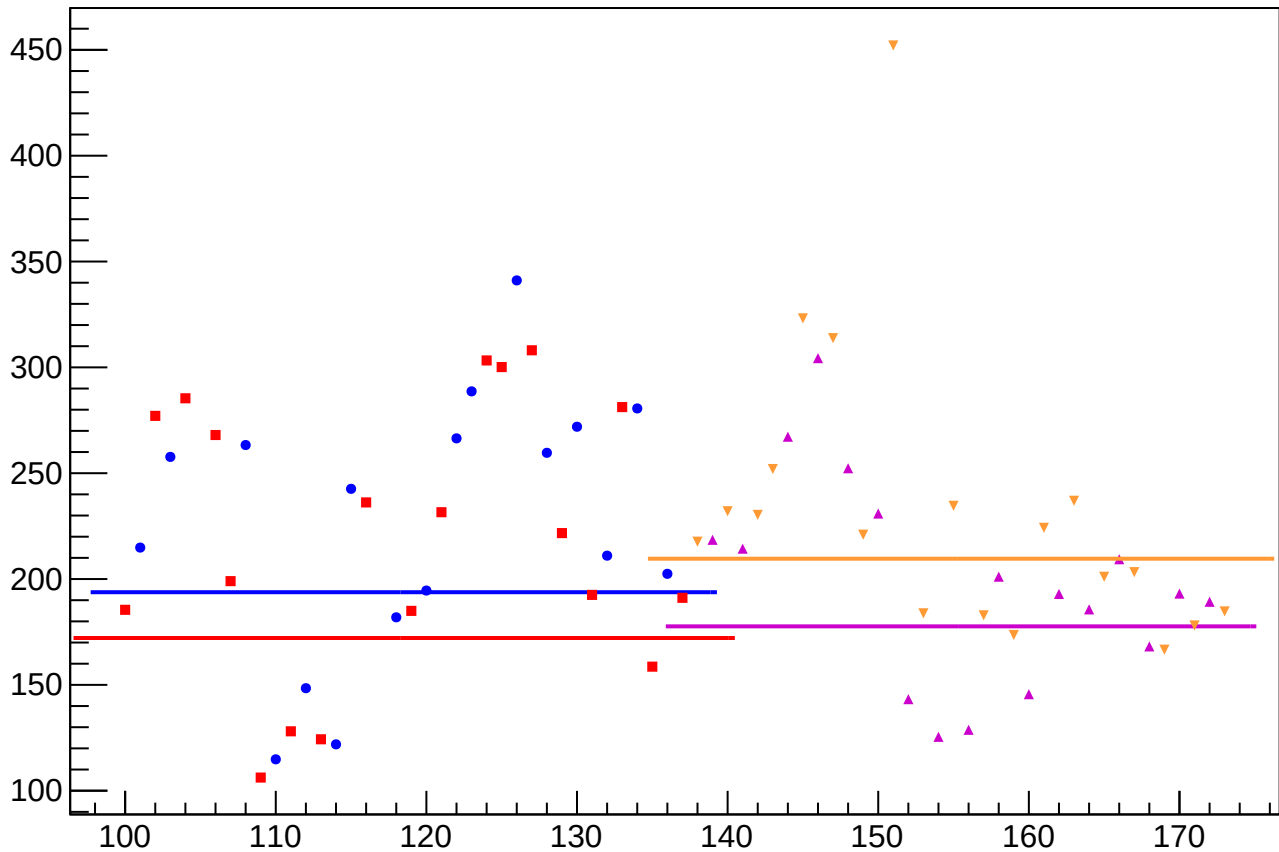
Right: 29.103 $\pm$ 52.608 χ^2 /NDF: 15.5/35

In: 42.446 $\pm$ 43.244 χ^2 /NDF:14.4/33

Out: -0.652 $\pm$ 44.481 χ^2 /NDF:11.9/37

All: 21.504 $\pm$ 31.006 χ^2 /NDF: 26.8/71

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 209.607+/-0.041 χ^2/NDF :1215496.0/18

Right Out: 172.142+/-0.050 χ^2/NDF : 1580035.1/18

Left In: 177.644+/-0.036 χ^2/NDF :1492421.5/16

Left: 191.859+/-0.027 χ^2/NDF : 3050429.2/35

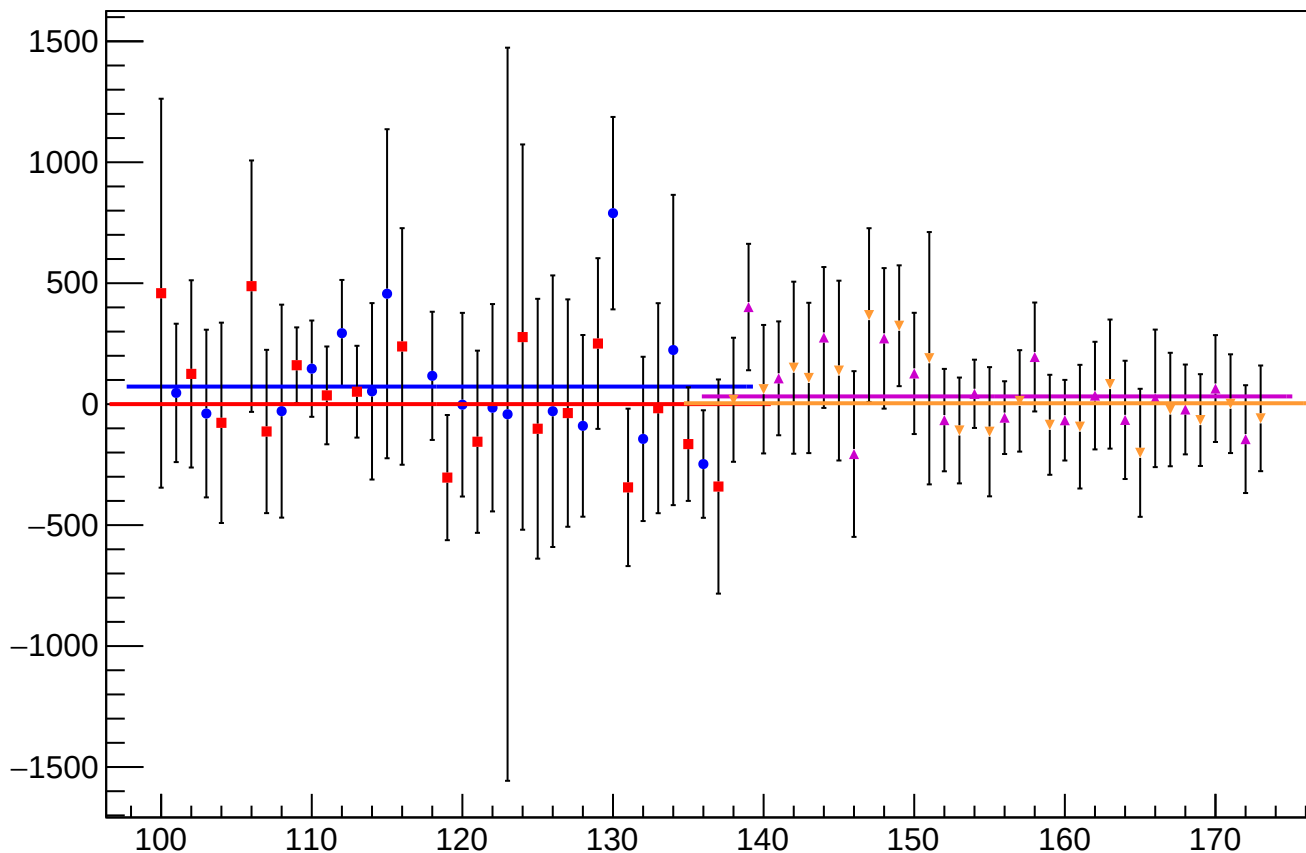
Right: 181.589+/-0.037 χ^2/NDF : 2680292.0/35

In: 182.404+/-0.031 χ^2/NDF :2567372.5/33

Out: 194.521+/-0.031 χ^2/NDF :3136791.0/37

All: 188.292+/-0.022 χ^2/NDF : 5780463.2/71

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 3.761+/-57.932 χ^2/NDF : 5.0/18

Right Out: 0.181+/-70.467 χ^2/NDF : 7.3/18

Left In: 32.037+/-51.832 χ^2/NDF : 6.4/16

Left: 19.466+/-38.628 χ^2/NDF : 11.5/35

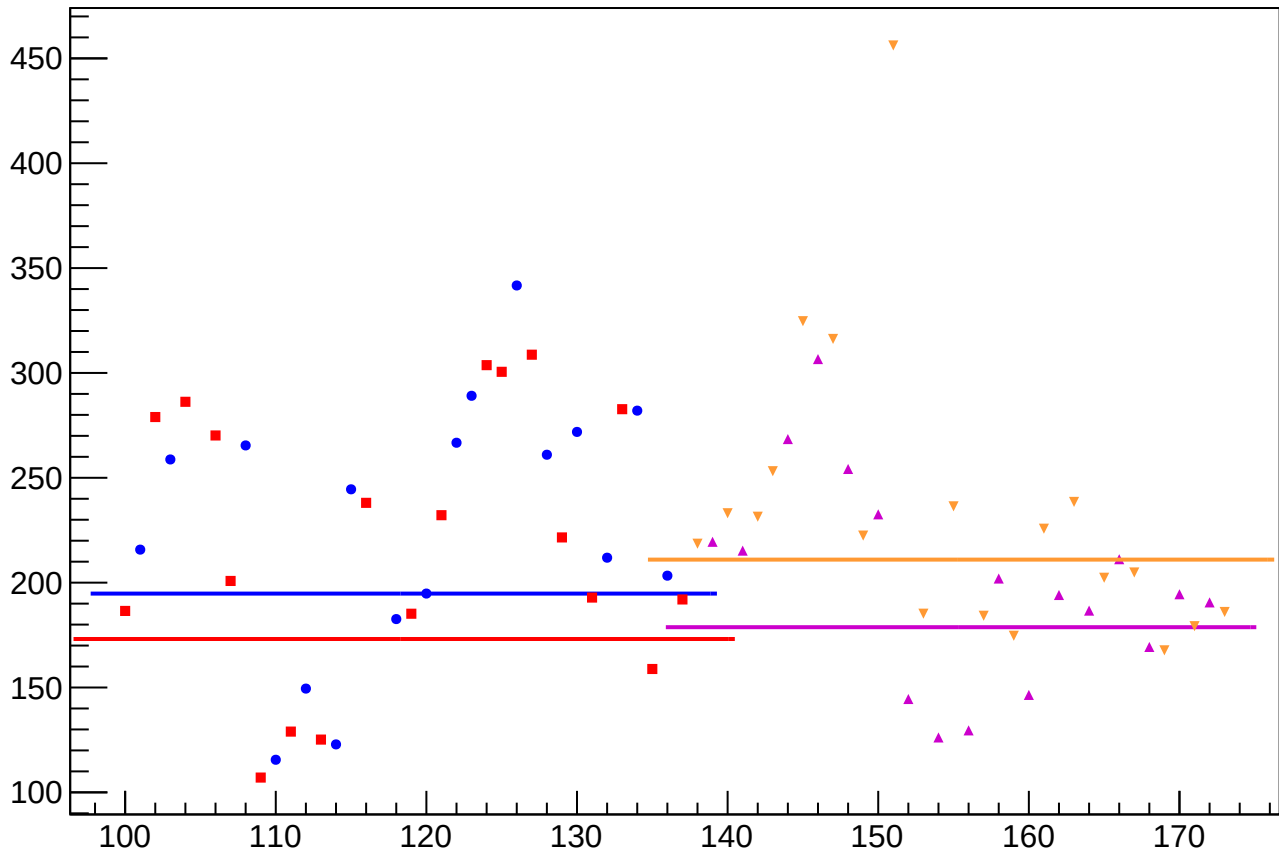
Right: 31.857+/-52.876 χ^2/NDF : 15.5/35

In: 44.054+/-43.498 χ^2/NDF : 14.4/33

Out: 2.317+/-44.751 χ^2/NDF : 12.3/37

All: 23.777+/-31.191 χ^2/NDF : 27.1/71

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 210.986 $\pm$ 0.041 χ^2 /NDF:1214186.4/18

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

Left In: 178.761 $\pm$ 0.037 χ^2 /NDF:1491239.0/16

Left: 193.088 $\pm$ 0.027 χ^2 /NDF: 3049143.3/35

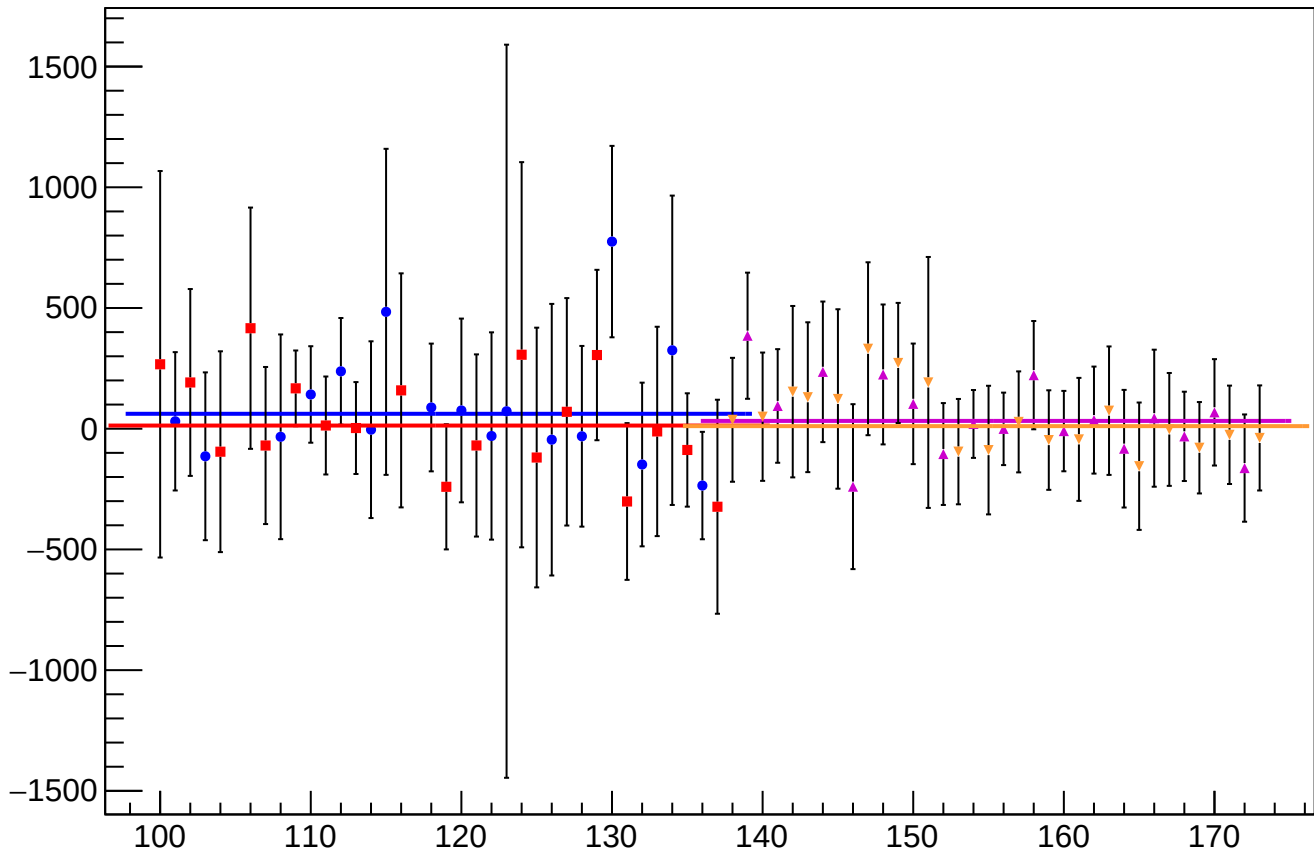
Right: 182.592 $\pm$ 0.037 χ^2 /NDF: 2658346.9/35

In: 183.498 $\pm$ 0.031 χ^2 /NDF:2556040.8/33

Out: 195.719 $\pm$ 0.032 χ^2 /NDF:3126139.0/37

All: 189.435 $\pm$ 0.022 χ^2 /NDF: 5758874.4/71

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2/NDF : 7.3/16

Left Out: 10.690 $\pm$ 57.796 χ^2/NDF : 3.7/18

Right Out: 13.101 $\pm$ 70.391 χ^2/NDF : 5.8/18

Left In: 32.371 $\pm$ 51.697 χ^2/NDF : 5.9/16

Left: 22.734 $\pm$ 38.532 χ^2/NDF : 9.7/35

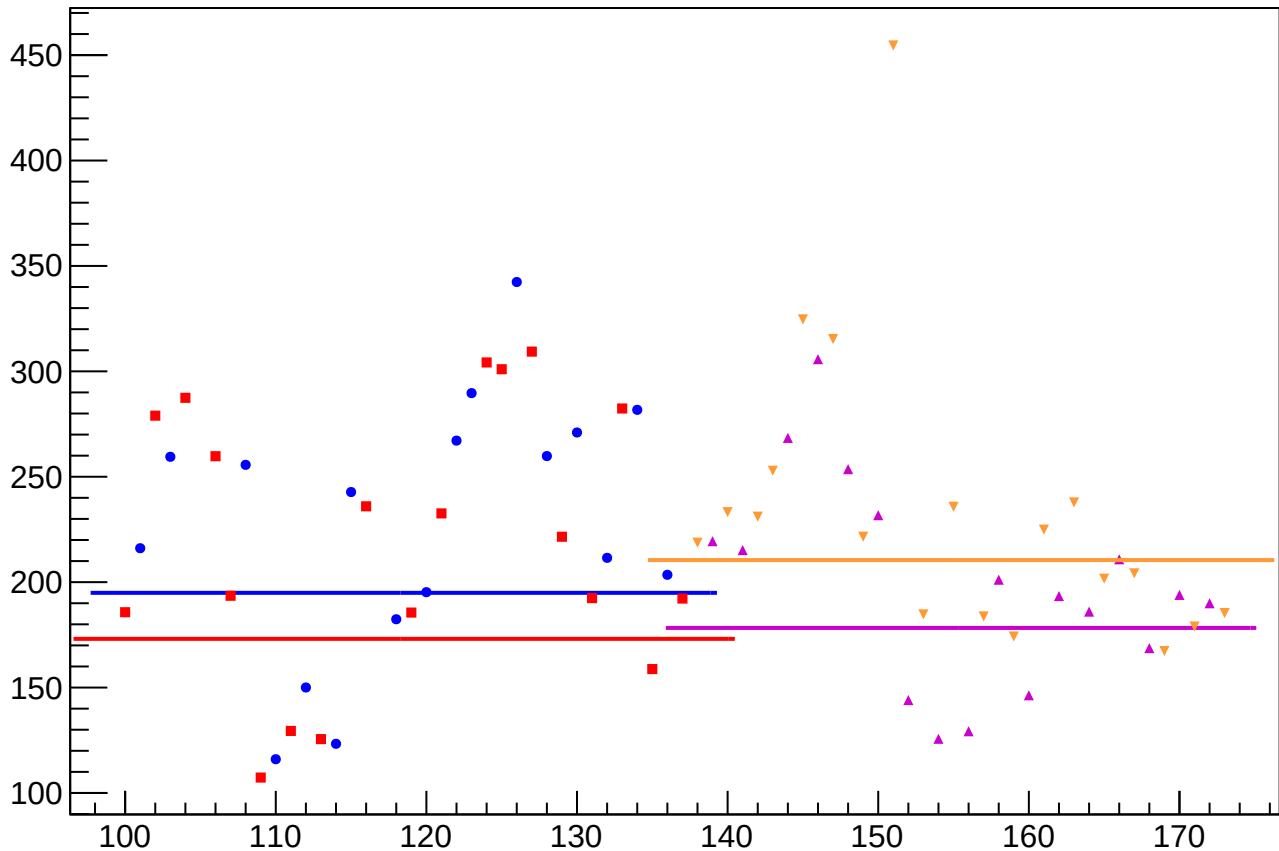
Right: 34.362 $\pm$ 52.842 χ^2/NDF : 13.2/35

In: 41.046 $\pm$ 43.418 χ^2/NDF : 13.3/33

Out: 11.661 $\pm$ 44.668 χ^2/NDF : 9.5/37

All: 26.771 $\pm$ 31.134 χ^2/NDF : 23.0/71

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 210.481 $\pm$ 0.041 χ^2 /NDF:1216350.3/18

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

Left In: 178.285 $\pm$ 0.037 χ^2 /NDF:1494975.9/16

Left: 192.595 $\pm$ 0.027 χ^2 /NDF: 3056105.5/35

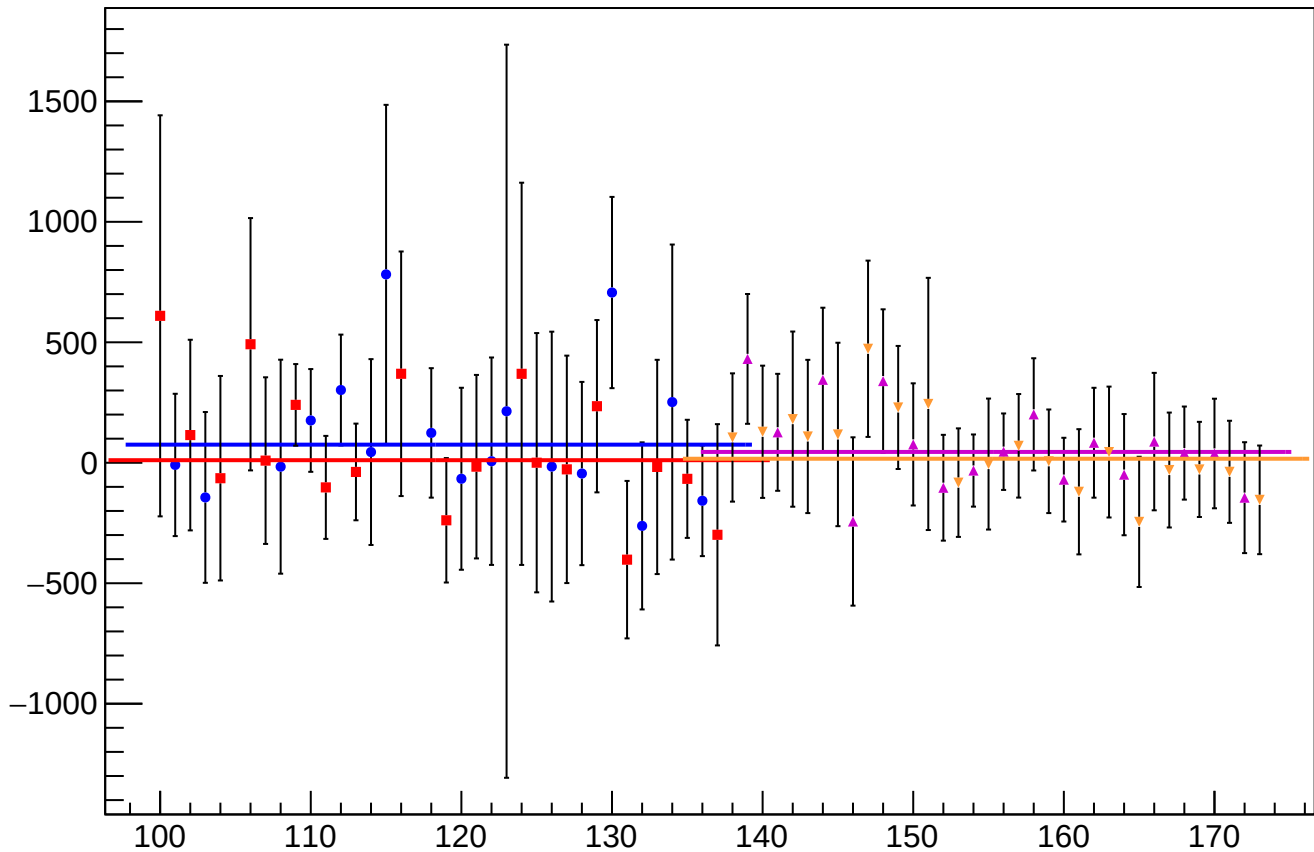
Right: 182.637 $\pm$ 0.037 χ^2 /NDF: 2615306.2/35

In: 183.192 $\pm$ 0.031 χ^2 /NDF:2542761.0/33

Out: 195.432 $\pm$ 0.032 χ^2 /NDF:3097811.0/37

All: 189.138 $\pm$ 0.022 χ^2 /NDF: 5717786.2/71

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 16.712 $\pm$ 59.551 χ^2 /NDF: 5.3/18

Right Out: 10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

Left In: 44.953 $\pm$ 53.766 χ^2 /NDF: 7.3/16

Left: 32.270 $\pm$ 39.907 χ^2 /NDF: 12.7/35

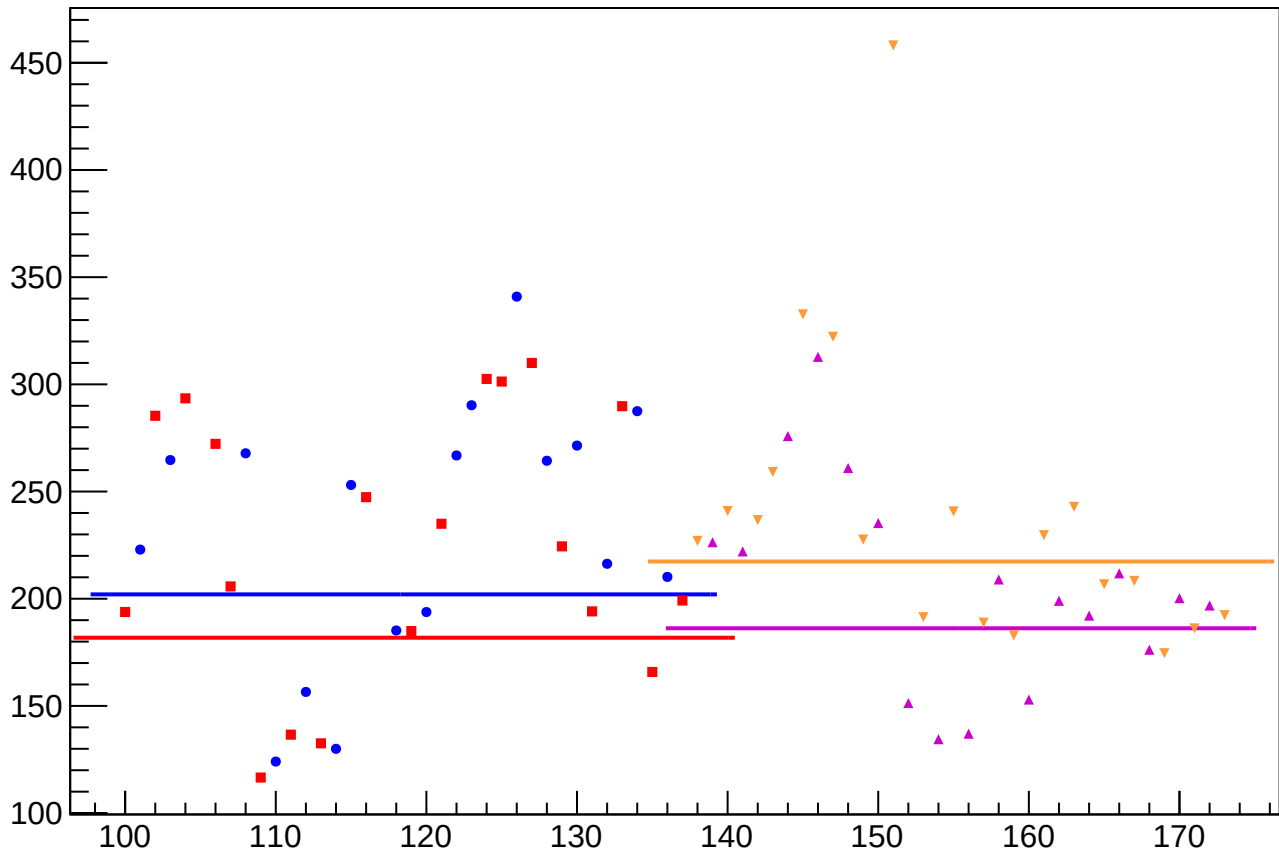
Right: 39.157 $\pm$ 54.813 χ^2 /NDF: 15.8/35

In: 53.971 $\pm$ 45.045 χ^2 /NDF: 15.0/33

Out: 14.313 $\pm$ 46.230 χ^2 /NDF: 13.1/37

All: 34.656 $\pm$ 32.262 χ^2 /NDF: 28.6/71

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029 $\pm$ 0.058 χ^2 /NDF: 881608.7/16

Left Out: 217.364 $\pm$ 0.042 χ^2 /NDF:1149544.8/18

Right Out: 181.811 $\pm$ 0.052 χ^2 /NDF: 1377537.2/18

Left In: 186.223 $\pm$ 0.038 χ^2 /NDF:1345962.6/16

Left: 200.208 $\pm$ 0.028 χ^2 /NDF: 2796815.0/35

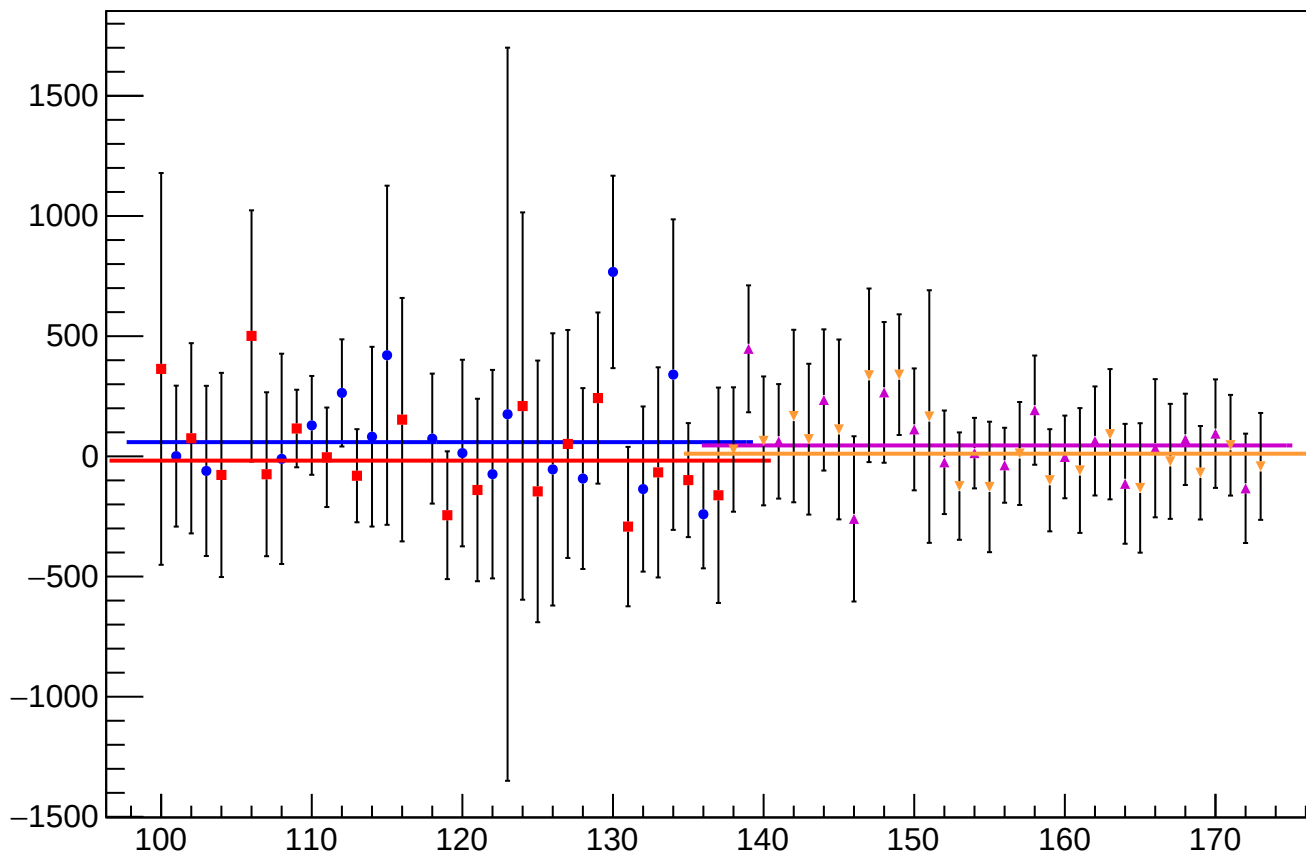
Right: 190.735 $\pm$ 0.039 χ^2 /NDF: 2326235.8/35

In: 190.934 $\pm$ 0.032 χ^2 /NDF:2279096.9/33

Out: 203.237 $\pm$ 0.033 χ^2 /NDF:2810337.9/37

All: 196.926 $\pm$ 0.023 χ^2 /NDF: 5162088.9/71

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 11.096 $\pm$ 58.950 χ^2 /NDF:4.6/18

Right Out: -17.727 $\pm$ 71.900 χ^2 /NDF: 4.7/18

Left In: 45.438 $\pm$ 53.014 χ^2 /NDF:6.2/16

Left: 30.083 $\pm$ 39.419 χ^2 /NDF: 10.9/35

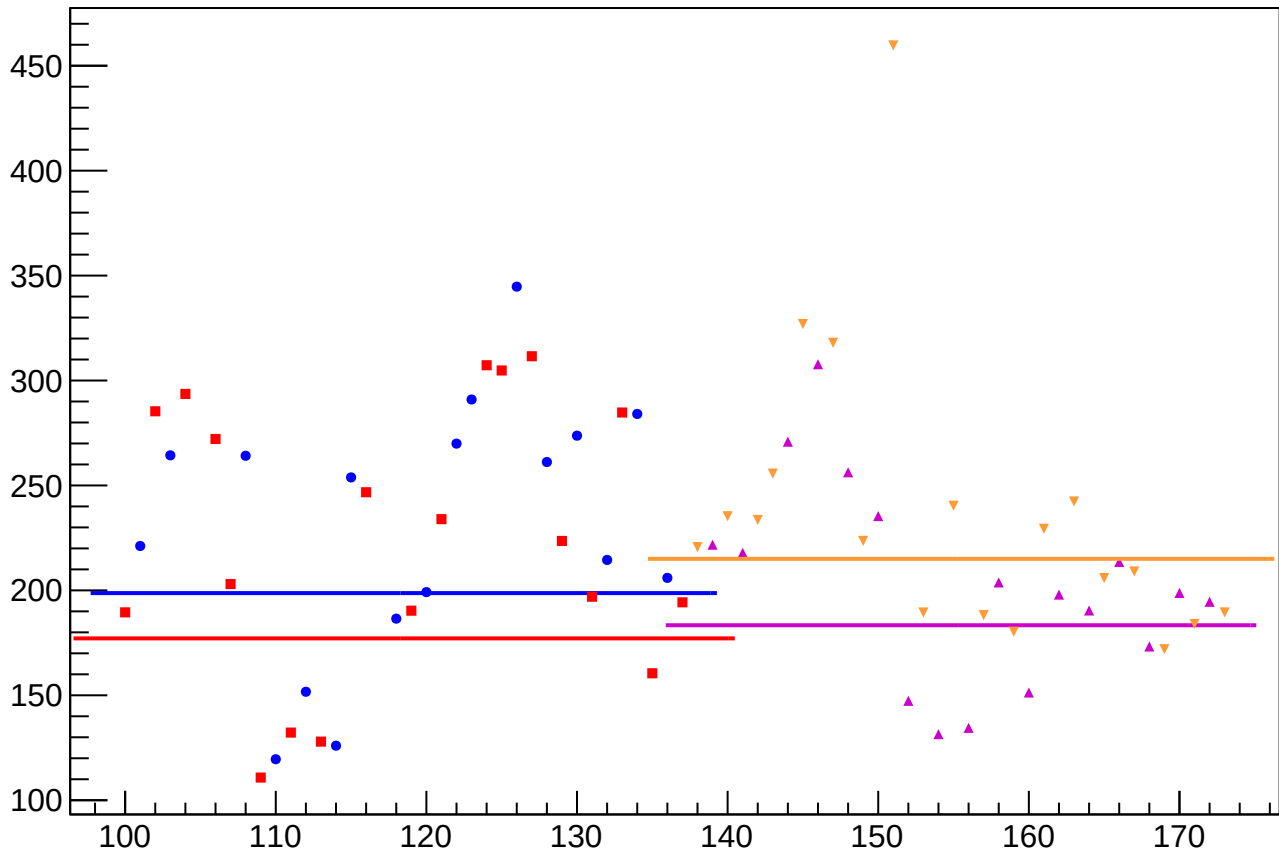
Right: 15.968 $\pm$ 53.893 χ^2 /NDF: 12.3/35

In: 49.528 $\pm$ 44.426 χ^2 /NDF:13.4/33

Out: -0.491 $\pm$ 45.587 χ^2 /NDF:9.3/37

All: 25.163 $\pm$ 31.816 χ^2 /NDF: 23.3/71

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 215.034 $\pm$ 0.042 χ^2 /NDF:1154867.2/18

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

Left In: 183.381 $\pm$ 0.037 χ^2 /NDF:1371526.7/16

Left: 197.534 $\pm$ 0.028 χ^2 /NDF: 2845202.8/35

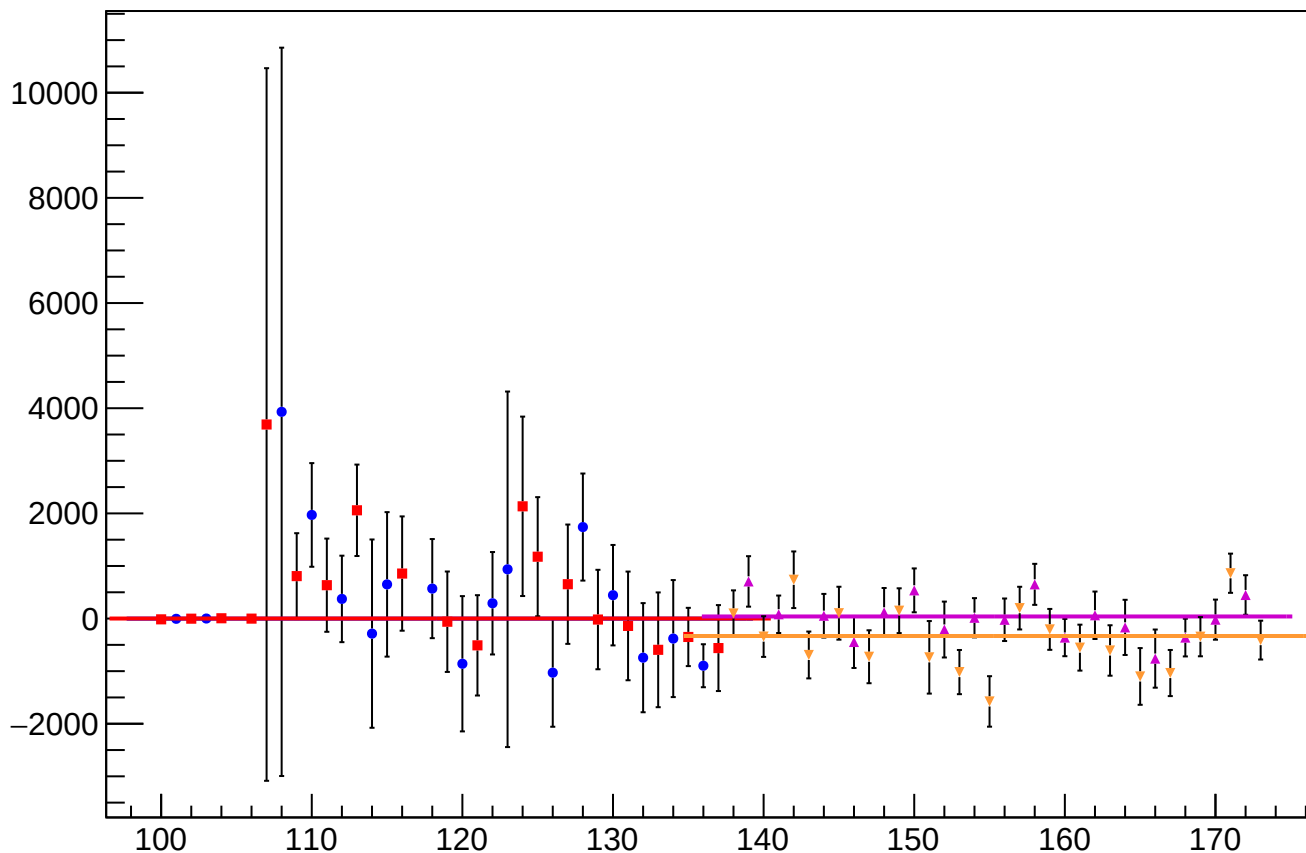
Right: 186.580 $\pm$ 0.038 χ^2 /NDF: 2567217.8/35

In: 187.943 $\pm$ 0.031 χ^2 /NDF:2384668.7/33

Out: 199.795 $\pm$ 0.032 χ^2 /NDF:3012246.3/37

All: 193.716 $\pm$ 0.022 χ^2 /NDF: 5466250.9/71

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -331.470 ± 100.752 χ^2/NDF : 35.2/18

Right Out: 0.731 ± 2.111 χ^2/NDF : 18.4/18

Left In: 40.040 ± 101.303 χ^2/NDF : 13.0/16

Left: -146.728 ± 71.437 χ^2/NDF : 55.0/35

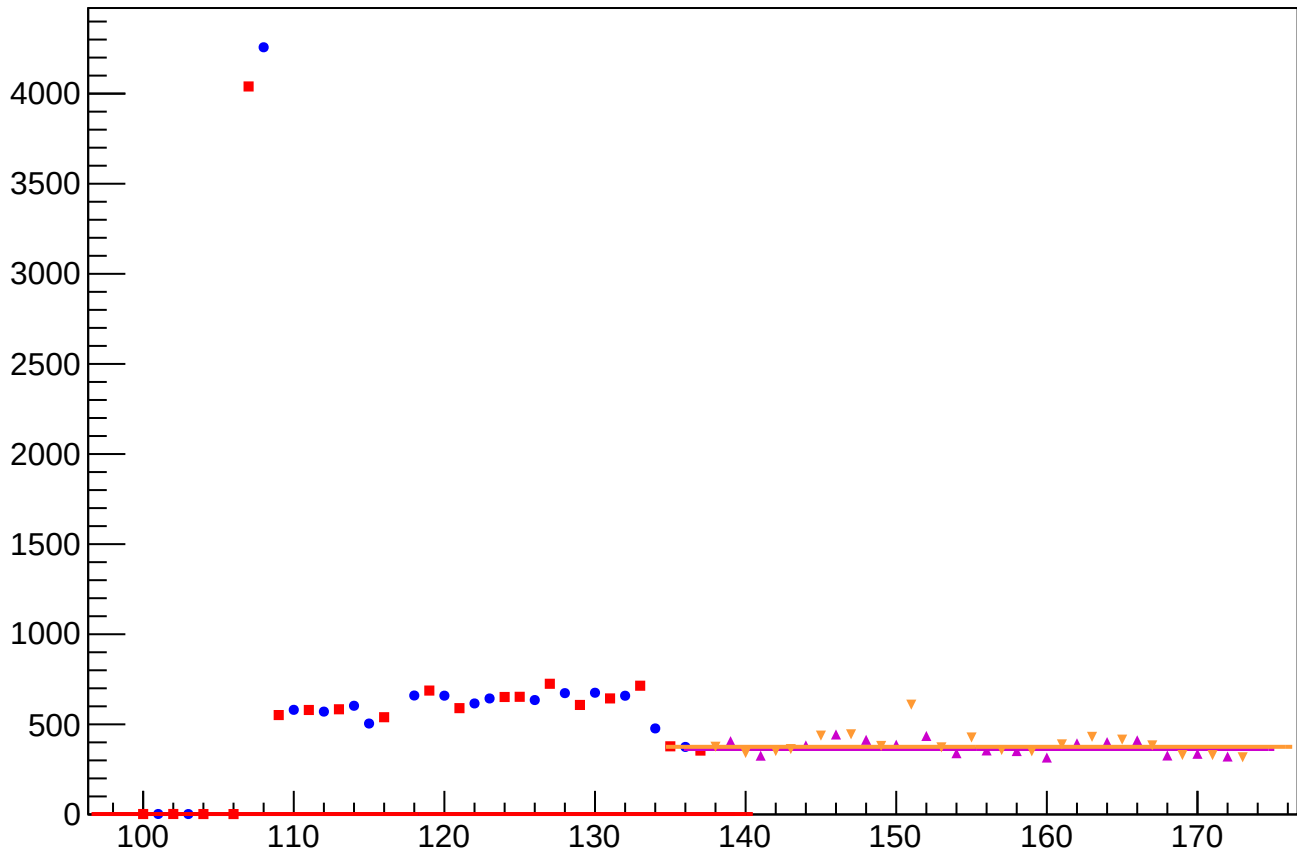
Right: -0.326 ± 1.540 χ^2/NDF : 35.6/35

In: -1.508 ± 2.251 χ^2/NDF : 29.9/33

Out: 0.586 ± 2.111 χ^2/NDF : 64.5/37

All: -0.394 ± 1.540 χ^2/NDF : 94.8/71

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 375.324+/-0.071 χ^2/NDF : 505396.7/18

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

Left In: 363.267+/-0.072 χ^2/NDF : 299177.0/16

Left: 369.328+/-0.051 χ^2/NDF : 818815.9/35

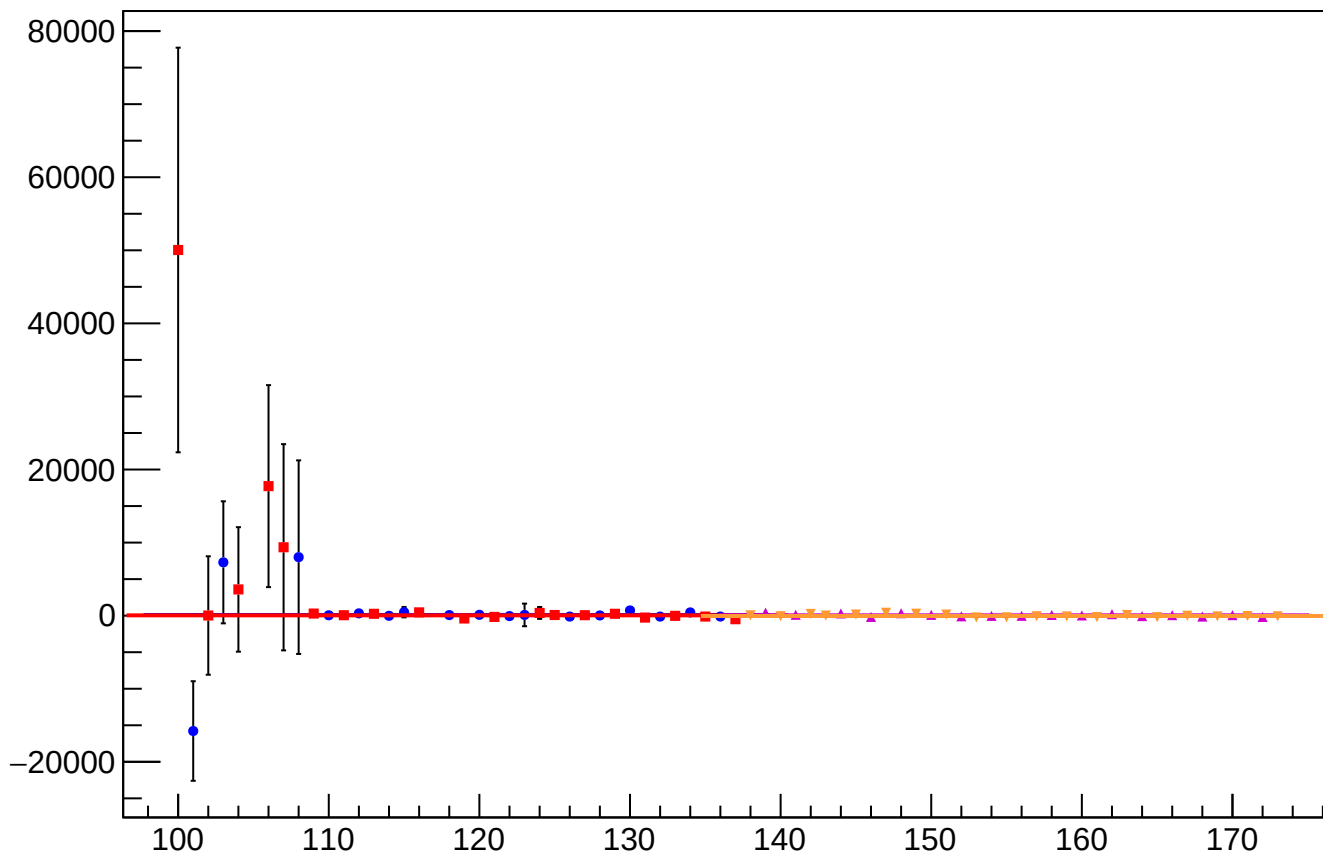
Right: 2.446+/-0.001 χ^2/NDF : 21846612.0/35

In: 2.634+/-0.002 χ^2/NDF : 36364360.3/33

Out: 2.600+/-0.001 χ^2/NDF : 39028725.5/37

All: 2.616+/-0.001 χ^2/NDF : 75393327.8/71

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -41.400+/-61.445 χ^2/NDF : 6.0/18

Right Out: 42.617+/-84.547 χ^2/NDF : 14.0/18

Left In: 45.878+/-56.279 χ^2/NDF : 7.1/16

Left: 6.062+/-41.502 χ^2/NDF : 14.2/35

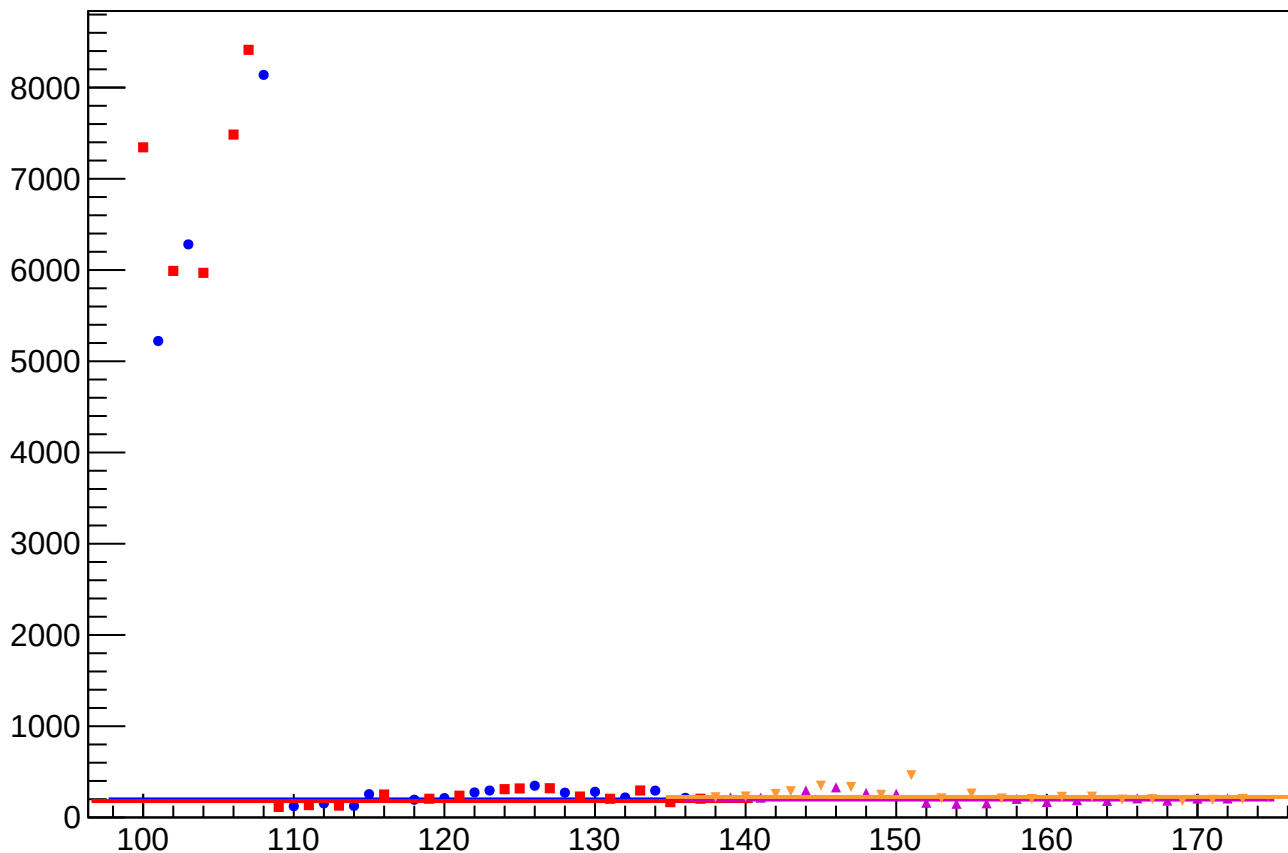
Right: 66.846+/-62.161 χ^2/NDF : 26.2/35

In: 59.413+/-47.967 χ^2/NDF : 19.3/33

Out: -12.361+/-49.705 χ^2/NDF : 20.6/37

All: 24.802+/-34.516 χ^2/NDF : 41.0/71

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 224.613+/-0.043 χ^2/NDF : 1125534.8/18

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

Left In: 196.148+/-0.040 χ^2/NDF : 1081897.9/16

Left: 209.134+/-0.029 χ^2/NDF : 2440855.7/35

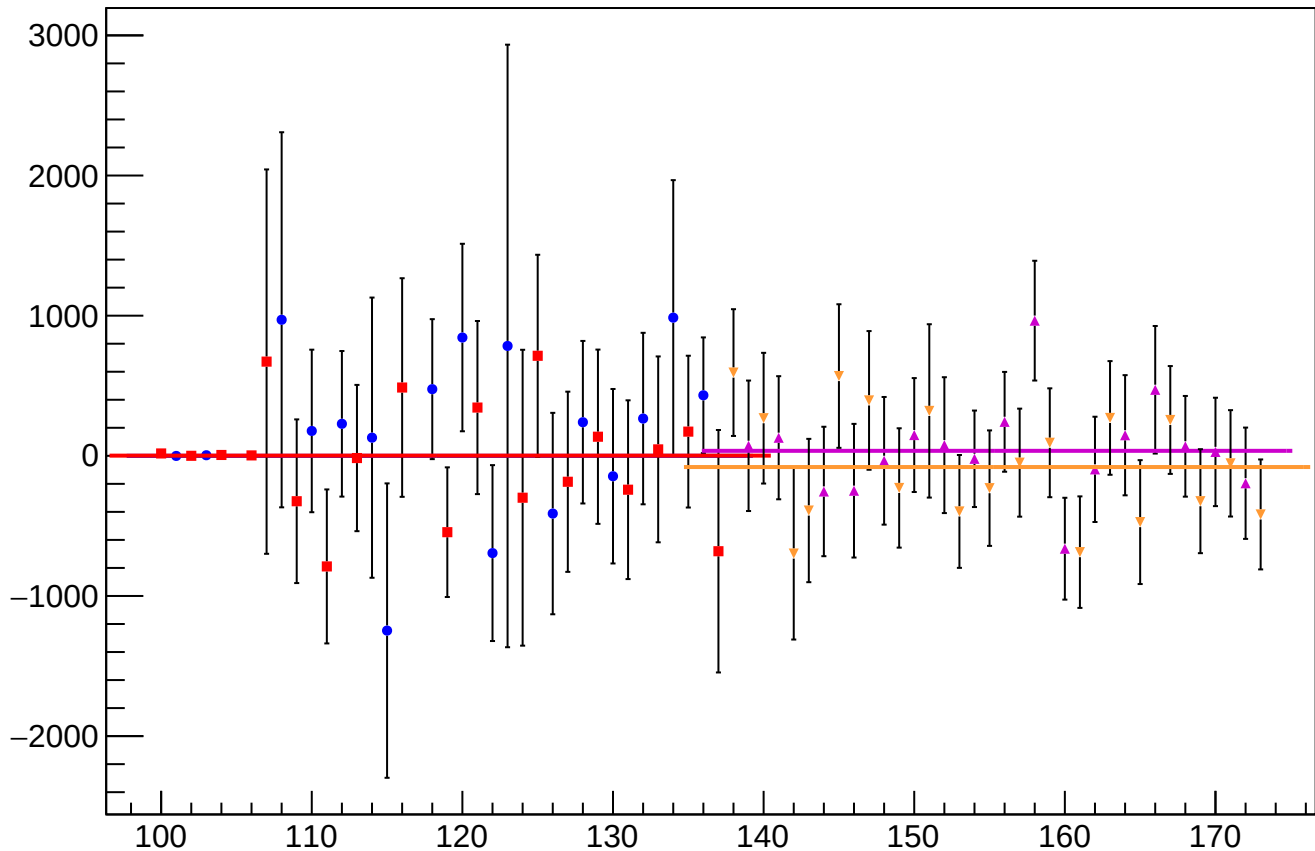
Right: 187.995+/-0.044 χ^2/NDF : 8056346.9/35

In: 196.496+/-0.034 χ^2/NDF : 4778026.8/33

Out: 209.188+/-0.035 χ^2/NDF : 5811633.8/37

All: 202.616+/-0.024 χ^2/NDF : 10657178.8/73

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -80.066 ± 98.827 χ^2/NDF : 14.0/18

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.5/18

Left In: 35.640 ± 99.247 χ^2/NDF : 11.1/16

Left: -22.459 ± 70.029 χ^2/NDF : 25.8/35

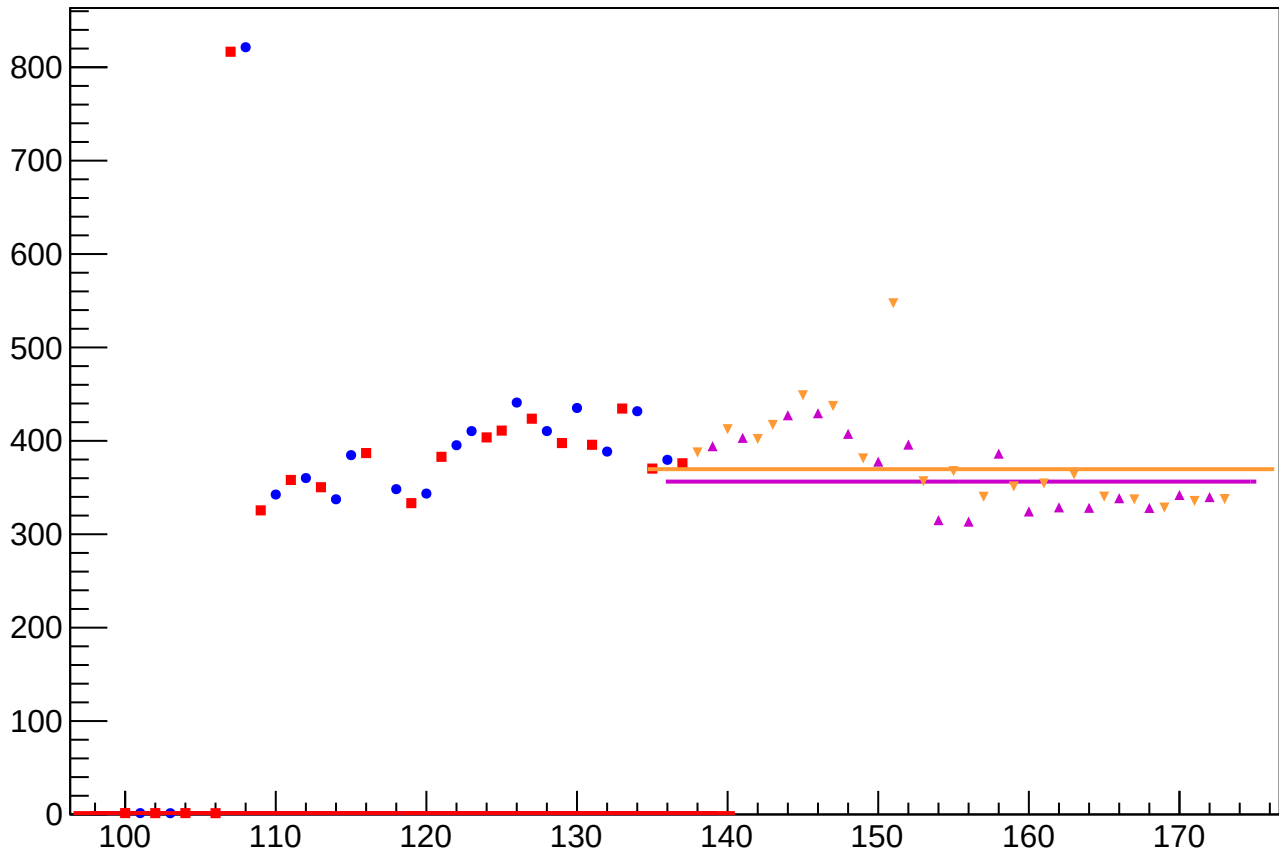
Right: 0.642 ± 1.186 χ^2/NDF : 19.7/35

In: -0.128 ± 1.736 χ^2/NDF : 21.1/33

Out: 1.302 ± 1.622 χ^2/NDF : 24.2/37

All: 0.635 ± 1.185 χ^2/NDF : 45.6/71

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452 $\pm$ 0.001 χ^2 /NDF: 10815892.9/16

Left Out: 369.665 $\pm$ 0.070 χ^2 /NDF:392893.4/18

Right Out: 1.451 $\pm$ 0.001 χ^2 /NDF: 10873552.2/18

Left In: 356.373 $\pm$ 0.070 χ^2 /NDF:298491.1/16

Left: 363.048 $\pm$ 0.050 χ^2 /NDF: 709396.9/35

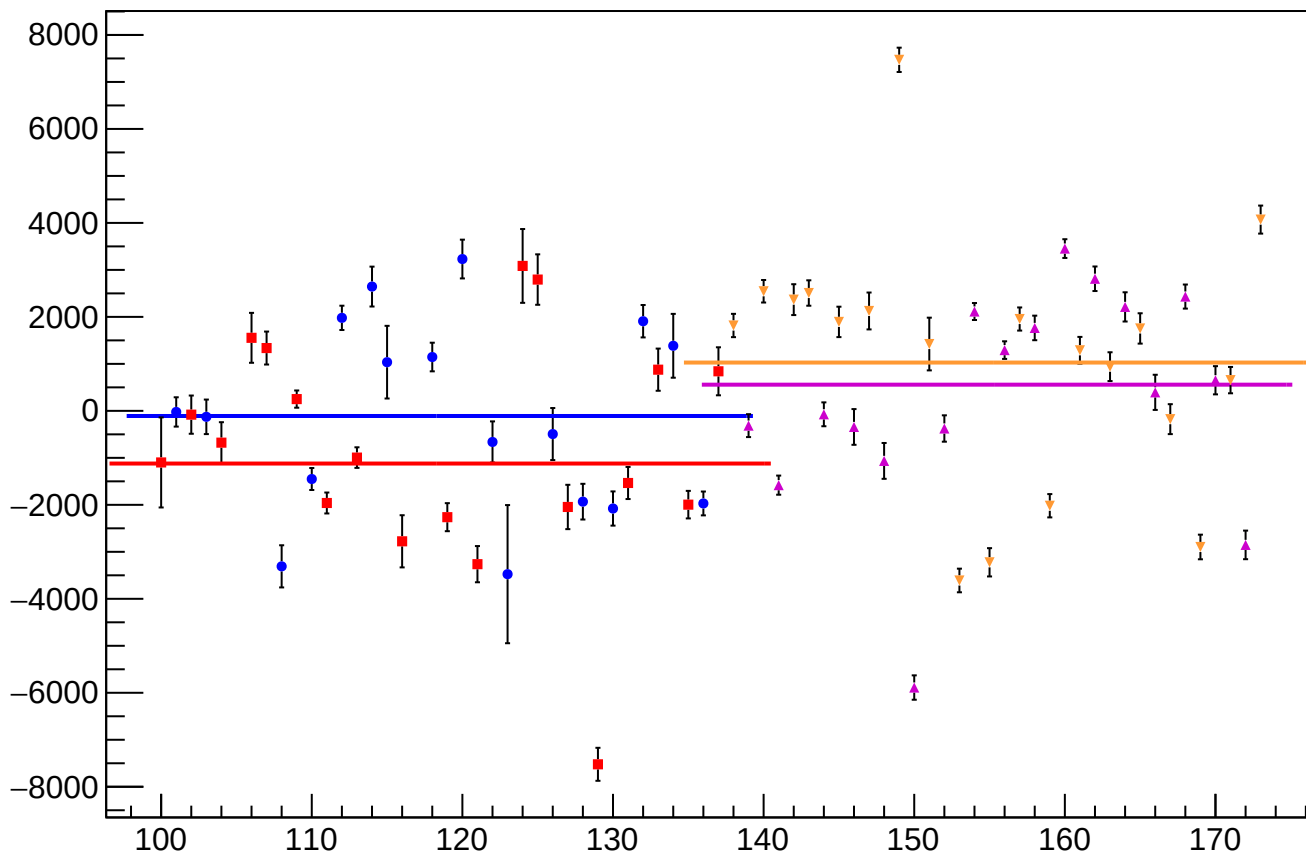
Right: 1.452 $\pm$ 0.001 χ^2 /NDF: 21689445.7/35

In: 1.561 $\pm$ 0.001 χ^2 /NDF:36683948.1/33

Out: 1.550 $\pm$ 0.001 χ^2 /NDF:39022930.8/37

All: 1.555 $\pm$ 0.001 χ^2 /NDF: 75706918.5/71

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225 ± 87.961 $\chi^2/\text{NDF}: 428.3/16$

Left Out: 1028.141 ± 65.752 $\chi^2/\text{NDF}: 1787.2/18$

Right Out: -1121.203 ± 78.396 $\chi^2/\text{NDF}: 670.1/18$

Left In: 557.336 ± 61.318 $\chi^2/\text{NDF}: 1385.5/16$

Left: 776.328 ± 44.844 $\chi^2/\text{NDF}: 3200.2/35$

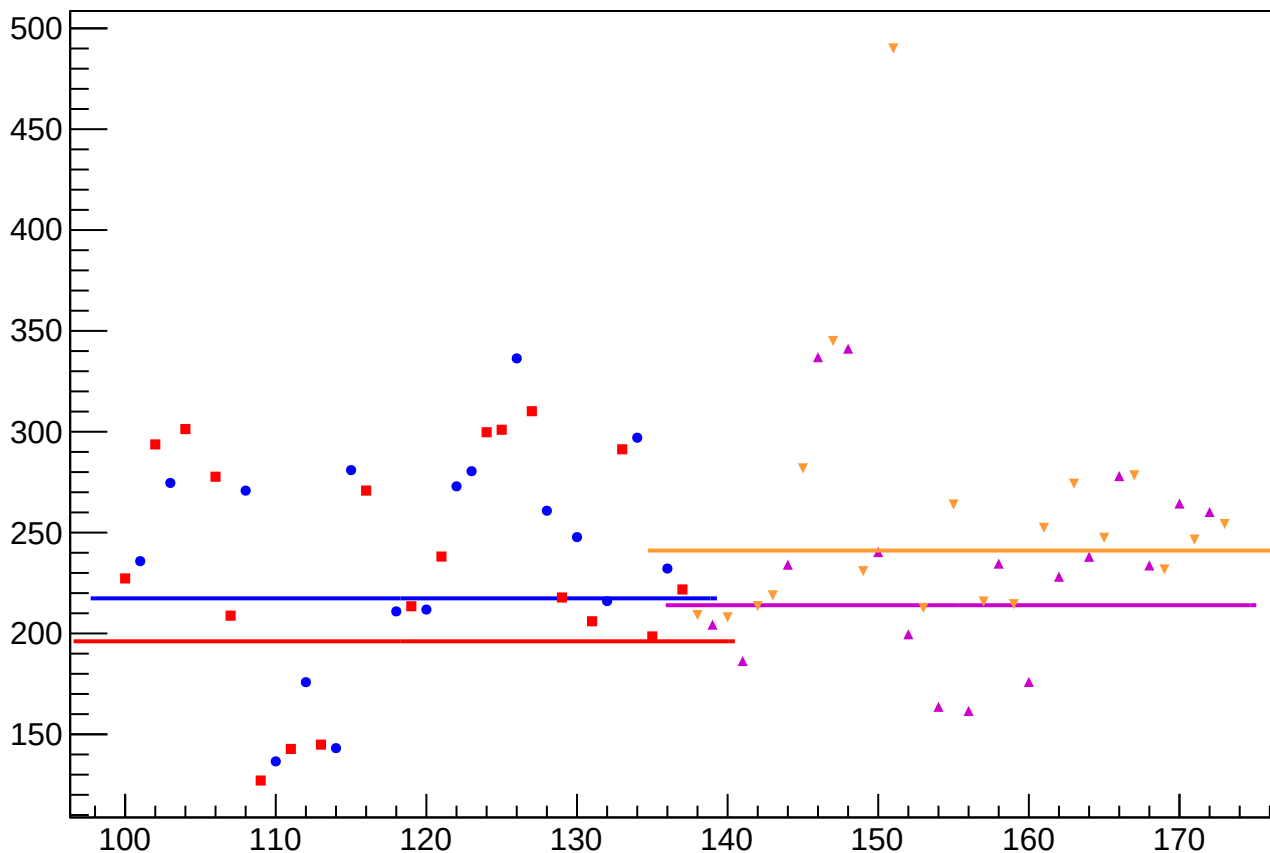
Right: -673.210 ± 58.525 $\chi^2/\text{NDF}: 1172.2/35$

In: 339.352 ± 50.302 $\chi^2/\text{NDF}: 1852.5/33$

Out: 140.554 ± 50.379 $\chi^2/\text{NDF}: 2898.6/37$

All: 240.105 ± 35.596 $\chi^2/\text{NDF}: 4758.9/71$

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403 $\pm$ 0.062 χ^2 /NDF: 652632.9/16

Left Out: 241.103 $\pm$ 0.046 χ^2 /NDF: 810886.4/18

Right Out: 196.112 $\pm$ 0.055 χ^2 /NDF: 1190862.3/18

Left In: 214.000 $\pm$ 0.043 χ^2 /NDF: 1097655.5/16

Left: 226.607 $\pm$ 0.032 χ^2 /NDF: 2090294.2/35

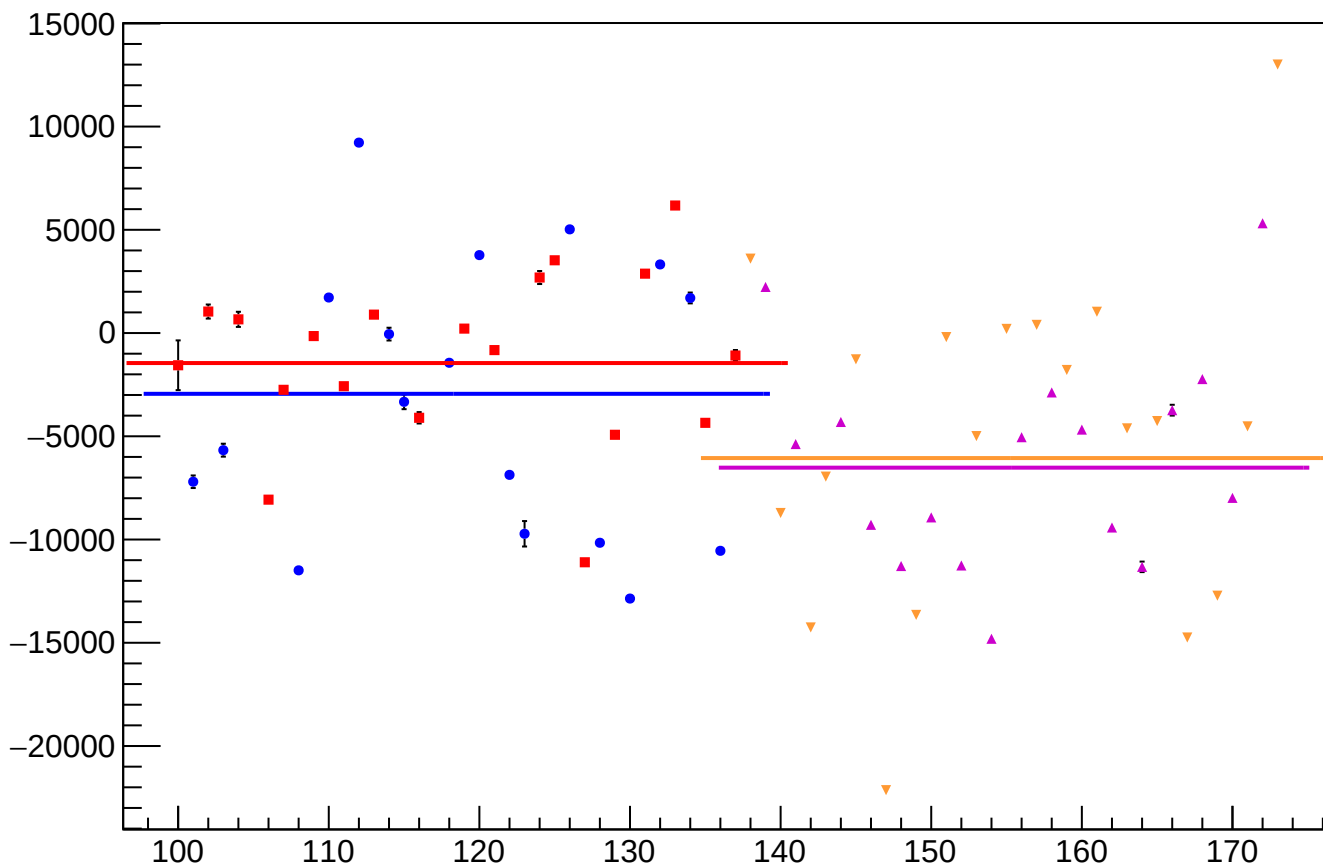
Right: 205.537 $\pm$ 0.041 χ^2 /NDF: 1908796.2/35

In: 215.113 $\pm$ 0.036 χ^2 /NDF: 1752302.2/33

Out: 222.524 $\pm$ 0.036 χ^2 /NDF: 2388443.6/37

All: 218.813 $\pm$ 0.025 χ^2 /NDF: 4162418.2/71

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123 $\pm$ 48.612 χ^2/NDF : 20909.8/16

Left Out: -6054.750 $\pm$ 37.767 χ^2/NDF :43219.6/18

Right Out: -1453.116 $\pm$ 46.404 χ^2/NDF : 7996.0/18

Left In: -6519.768 $\pm$ 39.094 χ^2/NDF :14711.8/16

Left: -6279.236 $\pm$ 27.162 χ^2/NDF : 58004.6/35

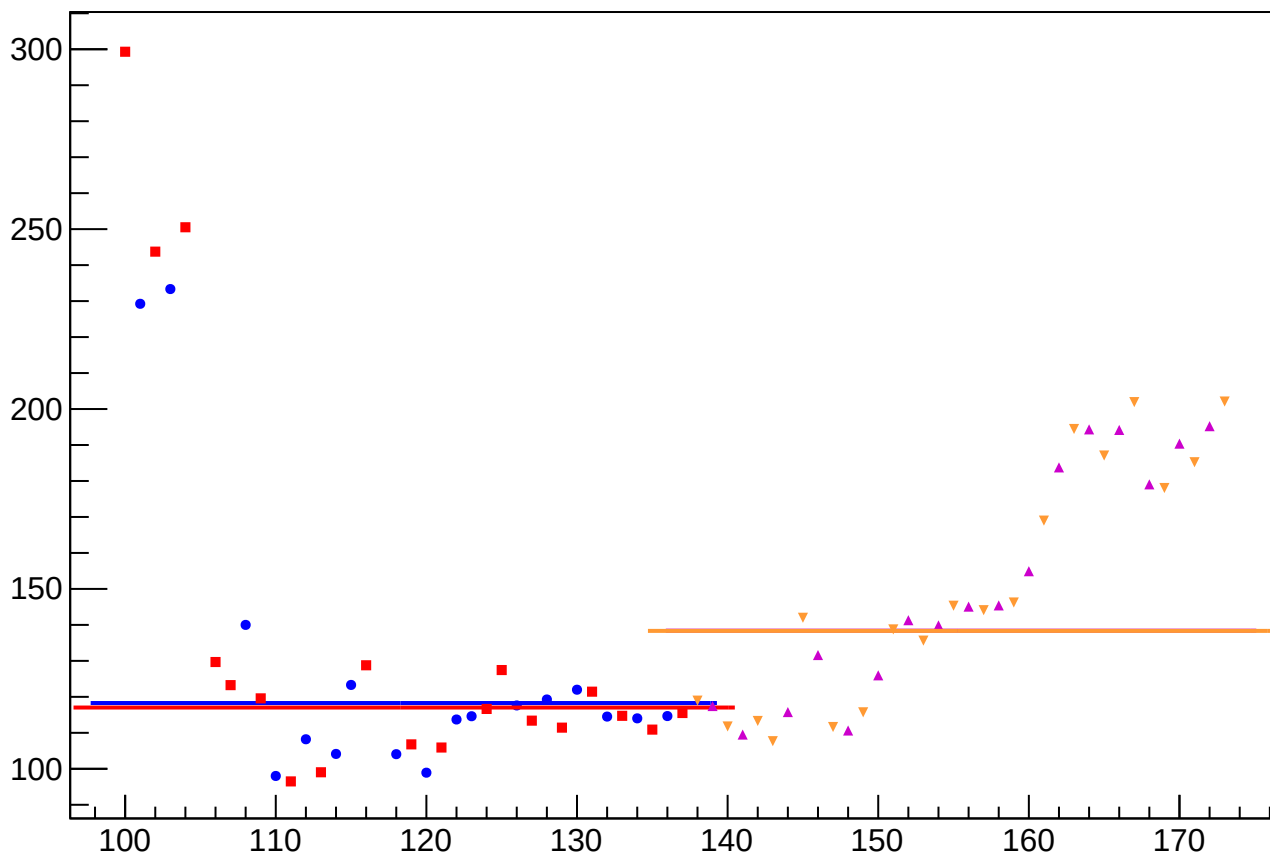
Right: -2163.502 $\pm$ 33.566 χ^2/NDF : 29397.3/35

In: -5115.086 $\pm$ 30.465 χ^2/NDF :38908.9/33

Out: -4221.155 $\pm$ 29.292 χ^2/NDF :57131.0/37

All: -4650.582 $\pm$ 21.115 χ^2/NDF : 96487.2/71

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 138.334+/-0.027 χ^2/NDF :1167244.4/18

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

Left In: 138.396+/-0.028 χ^2/NDF :973018.7/16

Left: 138.364+/-0.019 χ^2/NDF : 2140265.6/35

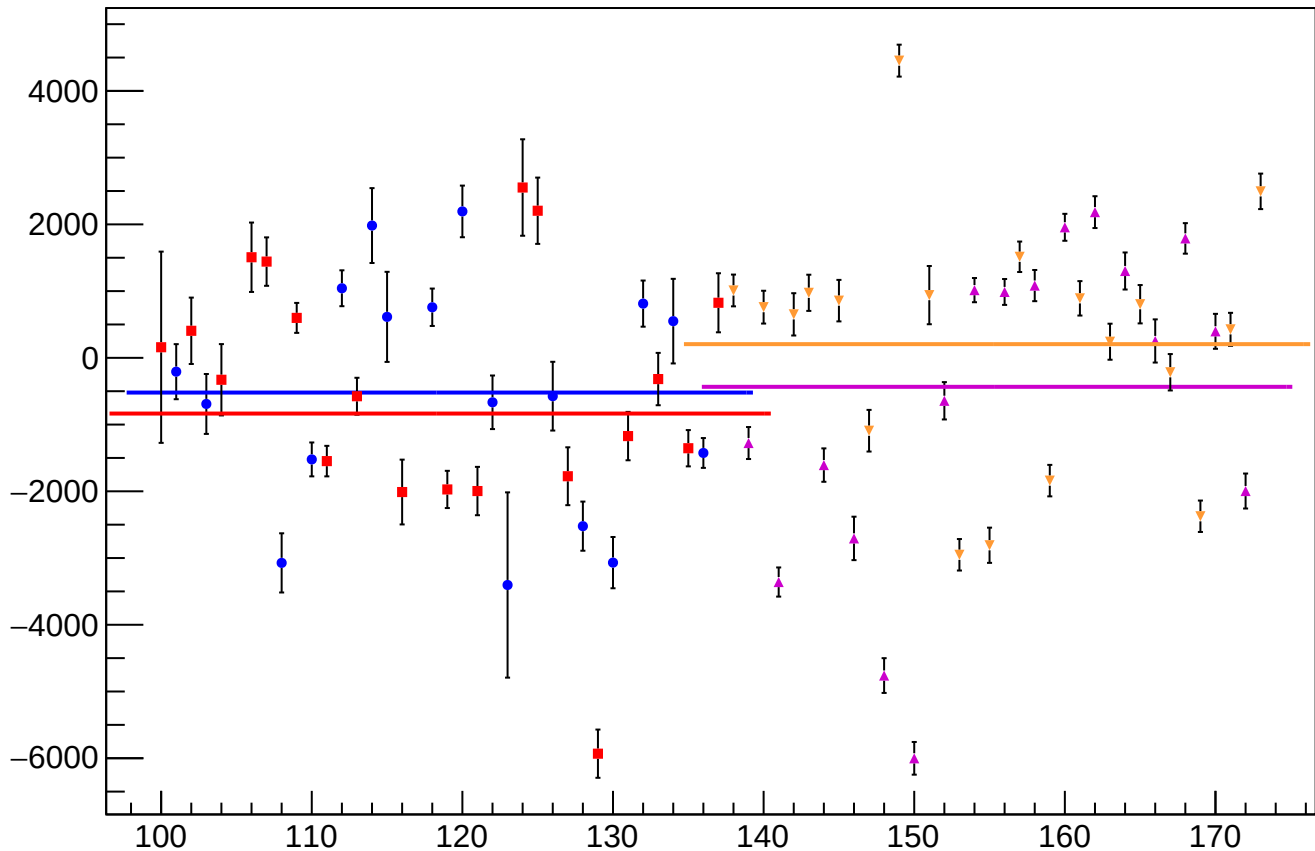
Right: 117.629+/-0.024 χ^2/NDF : 1328476.0/35

In: 130.498+/-0.022 χ^2/NDF :1817782.7/33

Out: 129.846+/-0.021 χ^2/NDF :2111658.0/37

All: 130.159+/-0.015 χ^2/NDF : 3929916.3/71

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 $\pm$ 89.241 χ^2/NDF : 288.1/16

Left Out: 205.308 $\pm$ 60.476 χ^2/NDF :992.4/18

Right Out: -834.834 $\pm$ 82.273 χ^2/NDF : 434.7/18

Left In: -434.211 $\pm$ 58.109 χ^2/NDF :1659.3/16

Left: -127.212 $\pm$ 41.901 χ^2/NDF : 2709.9/35

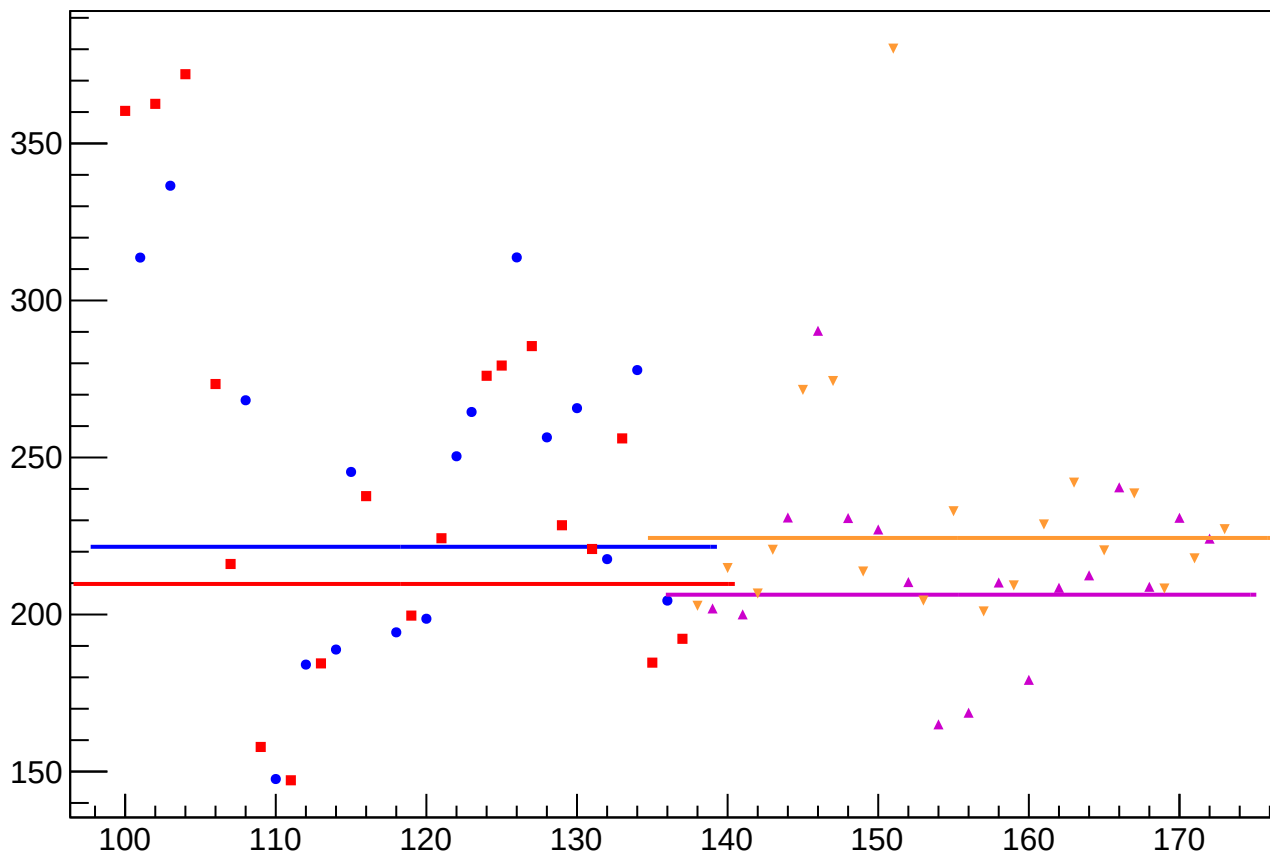
Right: -690.308 $\pm$ 60.489 χ^2/NDF : 729.5/35

In: -459.834 $\pm$ 48.695 χ^2/NDF :1948.1/33

Out: -159.555 $\pm$ 48.728 χ^2/NDF :1530.9/37

All: -309.794 $\pm$ 34.444 χ^2/NDF : 3498.0/71

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 224.384 $\pm$ 0.043 χ^2 /NDF: 453792.7/18

Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

Left In: 206.313 $\pm$ 0.041 χ^2 /NDF: 453185.0/16

Left: 214.988 $\pm$ 0.030 χ^2 /NDF: 999830.3/35

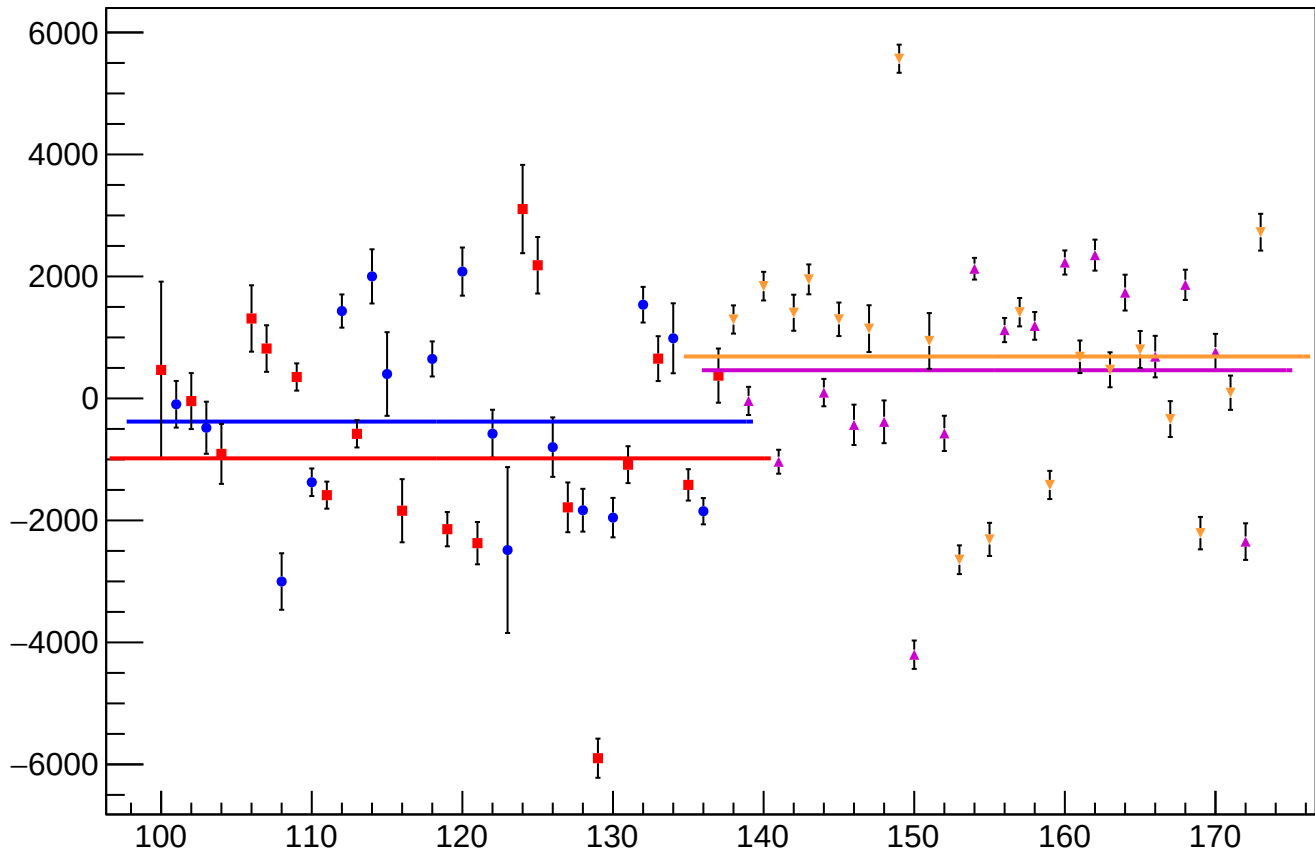
Right: 215.173 $\pm$ 0.043 χ^2 /NDF: 1547873.9/35

In: 210.855 $\pm$ 0.034 χ^2 /NDF: 1139178.7/33

Out: 219.246 $\pm$ 0.034 χ^2 /NDF: 1378871.6/37

All: 215.048 $\pm$ 0.024 χ^2 /NDF: 2547716.8/71

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647 ± 84.260 χ^2/NDF : 317.2/16

Left Out: 687.628 ± 61.574 χ^2/NDF : 1115.4/18

Right Out: -982.539 ± 77.724 χ^2/NDF : 476.3/18

Left In: 462.136 ± 58.886 χ^2/NDF : 877.0/16

Left: 569.853 ± 42.557 χ^2/NDF : 1999.4/35

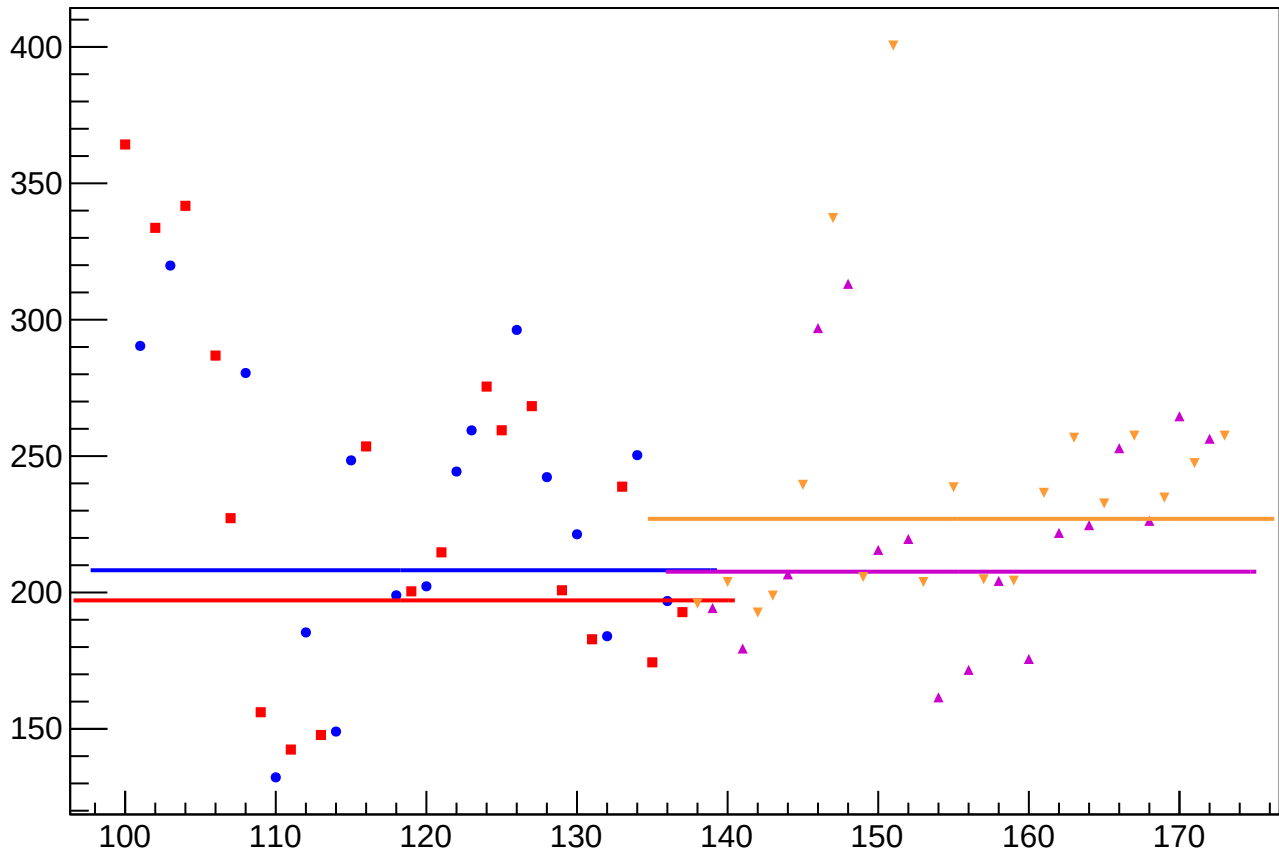
Right: -705.376 ± 57.130 χ^2/NDF : 821.1/35

In: 185.910 ± 48.267 χ^2/NDF : 1261.2/33

Out: 43.617 ± 48.264 χ^2/NDF : 1875.3/37

All: 114.759 ± 34.129 χ^2/NDF : 3140.9/71

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151 $\pm$ 0.060 χ^2/NDF : 699084.2/16

Left Out: 226.996 $\pm$ 0.044 χ^2/NDF : 722883.5/18

Right Out: 197.103 $\pm$ 0.055 χ^2/NDF : 926467.5/18

Left In: 207.625 $\pm$ 0.042 χ^2/NDF : 817869.9/16

Left: 216.878 $\pm$ 0.030 χ^2/NDF : 1644134.9/35

Right: 202.182 $\pm$ 0.040 χ^2/NDF : 1644129.7/35

In: 207.797 $\pm$ 0.034 χ^2/NDF : 1517006.4/33

Out: 215.469 $\pm$ 0.034 χ^2/NDF : 1831114.3/37

All: 211.633 $\pm$ 0.024 χ^2/NDF : 3373382.9/71

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

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

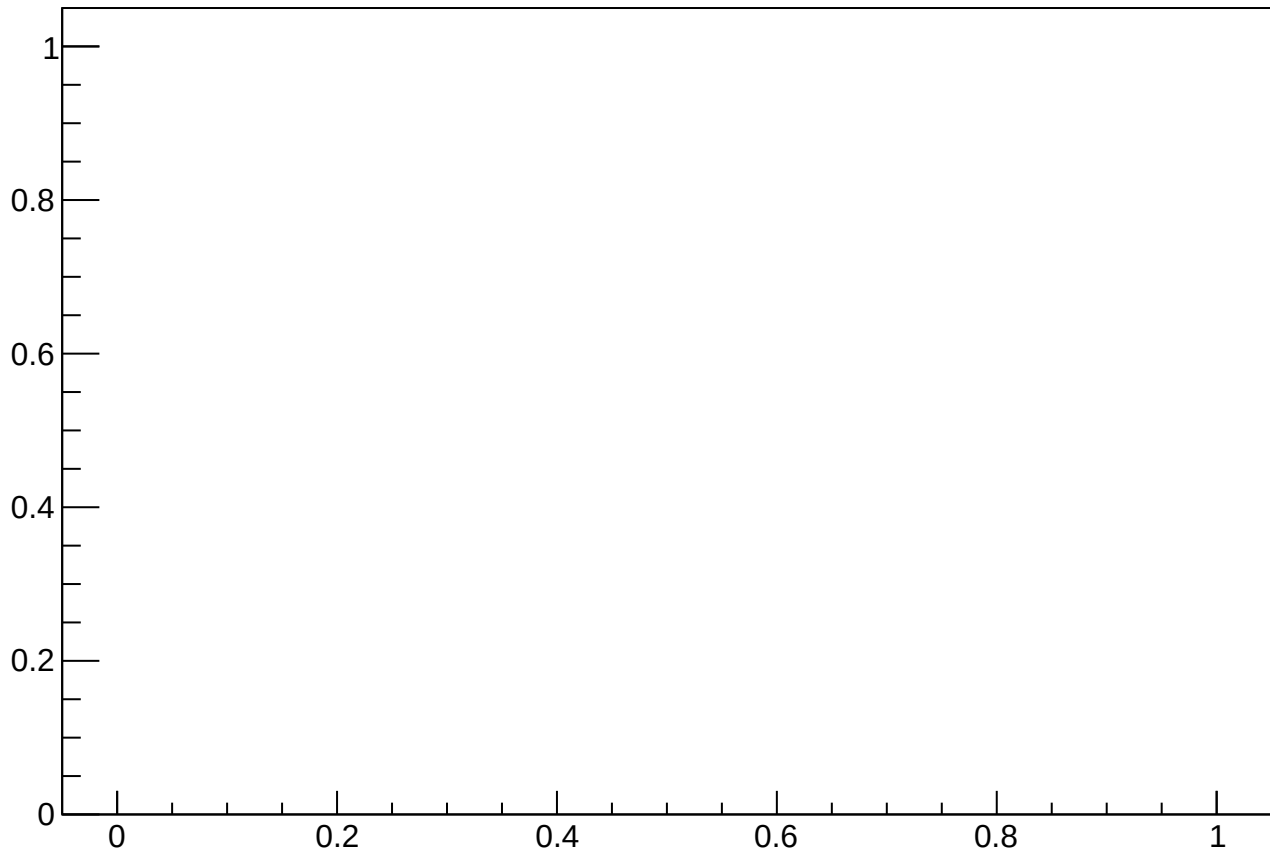
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

Out: 0.000 $\pm$ 0.000 χ^2 /NDF:0.0/0

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

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

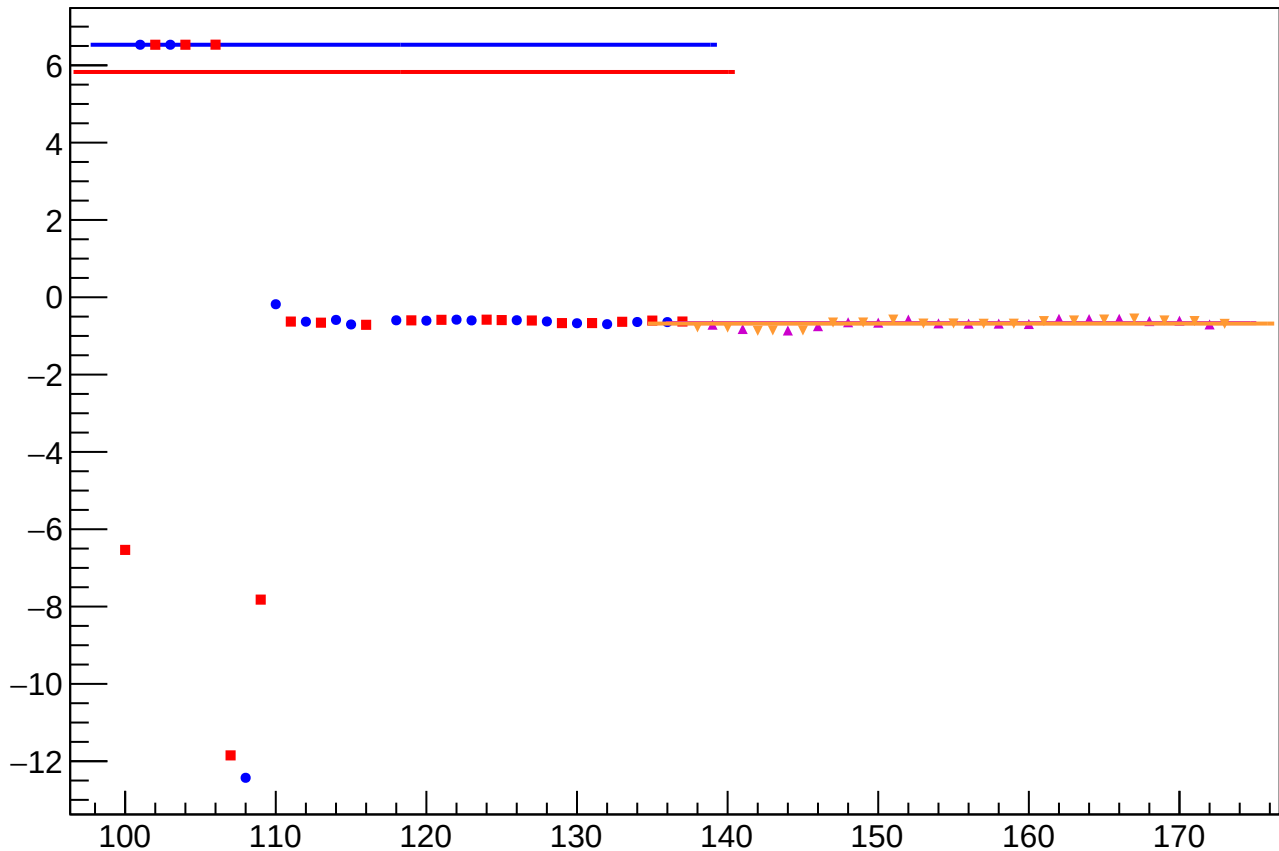
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127219747629.7/16

Left Out: -0.680+/-0.000 χ^2/NDF : 127436293.5/18

Right Out: 5.827+/-0.000 χ^2/NDF : 755963218053643.4/18

Left In: -0.668+/-0.000 χ^2/NDF : 97149312.9/16

Left: -0.675+/-0.000 χ^2/NDF : 225408118.6/35

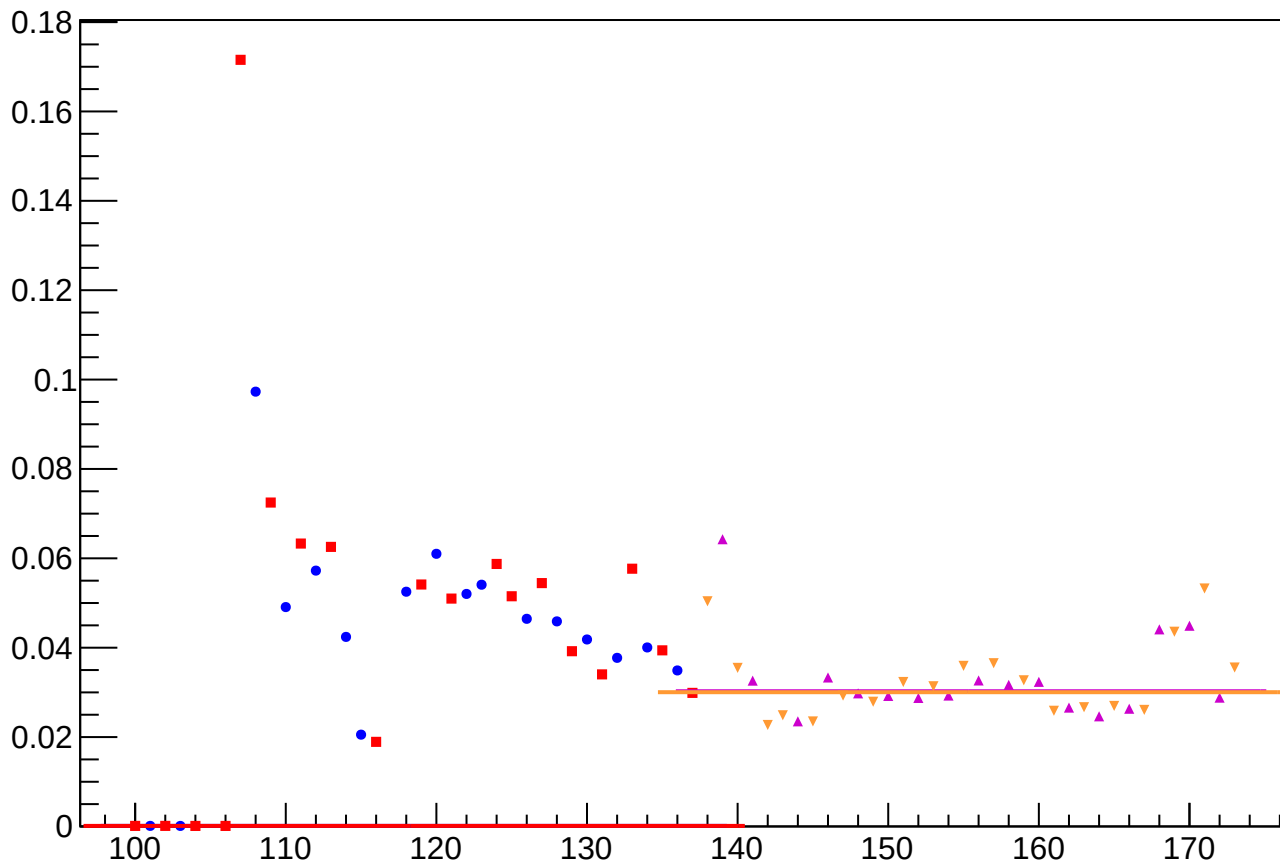
Right: 6.155+/-0.000 χ^2/NDF : 776094576922584.5/35

In: 6.531+/-0.000 χ^2/NDF : 713948524637.5/33

Out: 5.827+/-0.000 χ^2/NDF : 756483725672827.2/33

All: 6.154+/-0.000 χ^2/NDF : 77719567362922.2/35

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8888070.2/16

Left Out: 0.030+/-0.000 χ^2/NDF :1027671.4/18

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

Left In: 0.030+/-0.000 χ^2/NDF :908073.8/16

Left: 0.030+/-0.000 χ^2/NDF : 1936277.7/35

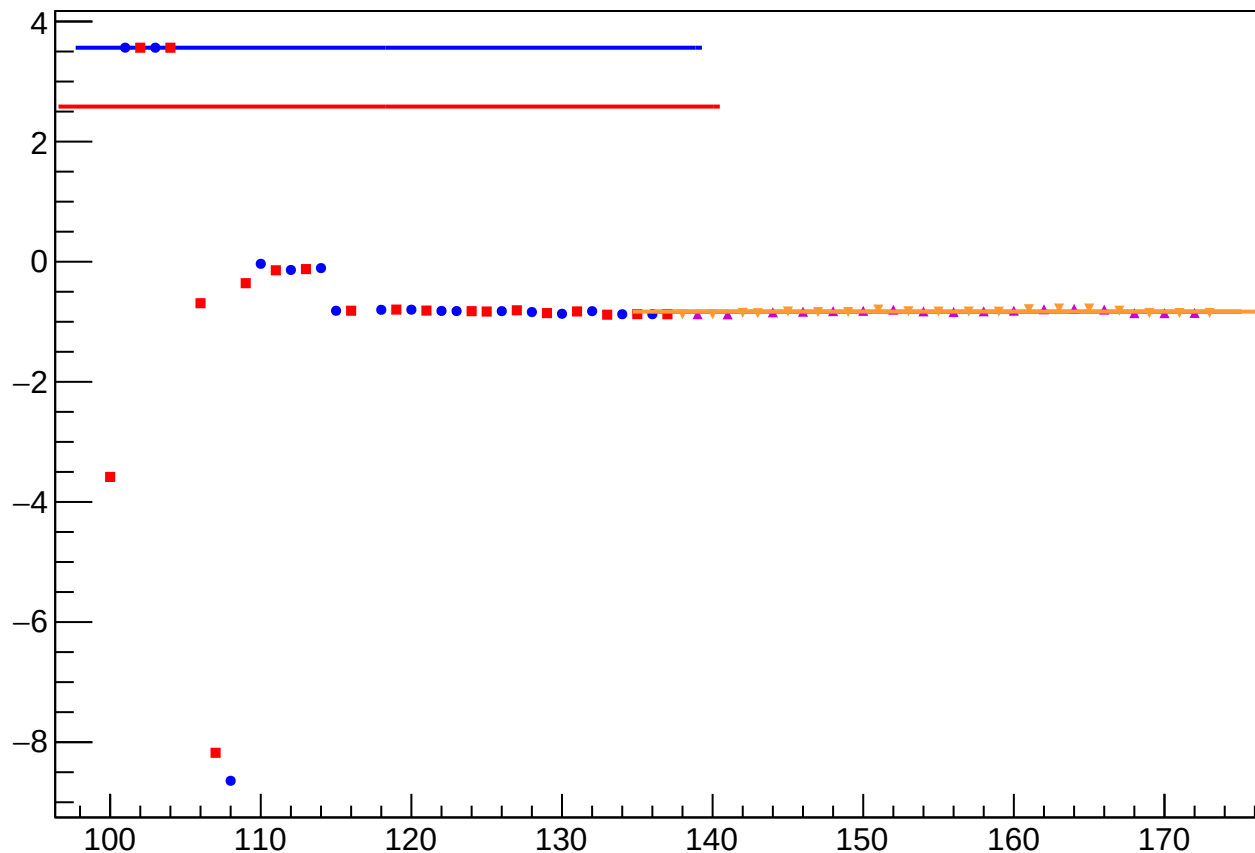
Right: 0.000+/-0.000 χ^2/NDF : 18237948.0/35

In: 0.000+/-0.000 χ^2/NDF :30342849.8/33

Out: 0.000+/-0.000 χ^2/NDF :32376914.2/37

All: 0.000+/-0.000 χ^2/NDF : 62720097.6/71

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.831+/-0.000 χ^2/NDF : 145589867.0/18

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

Left In: -0.831+/-0.000 χ^2/NDF : 120934805.9/16

Left: -0.831+/-0.000 χ^2/NDF : 266572639.0/35

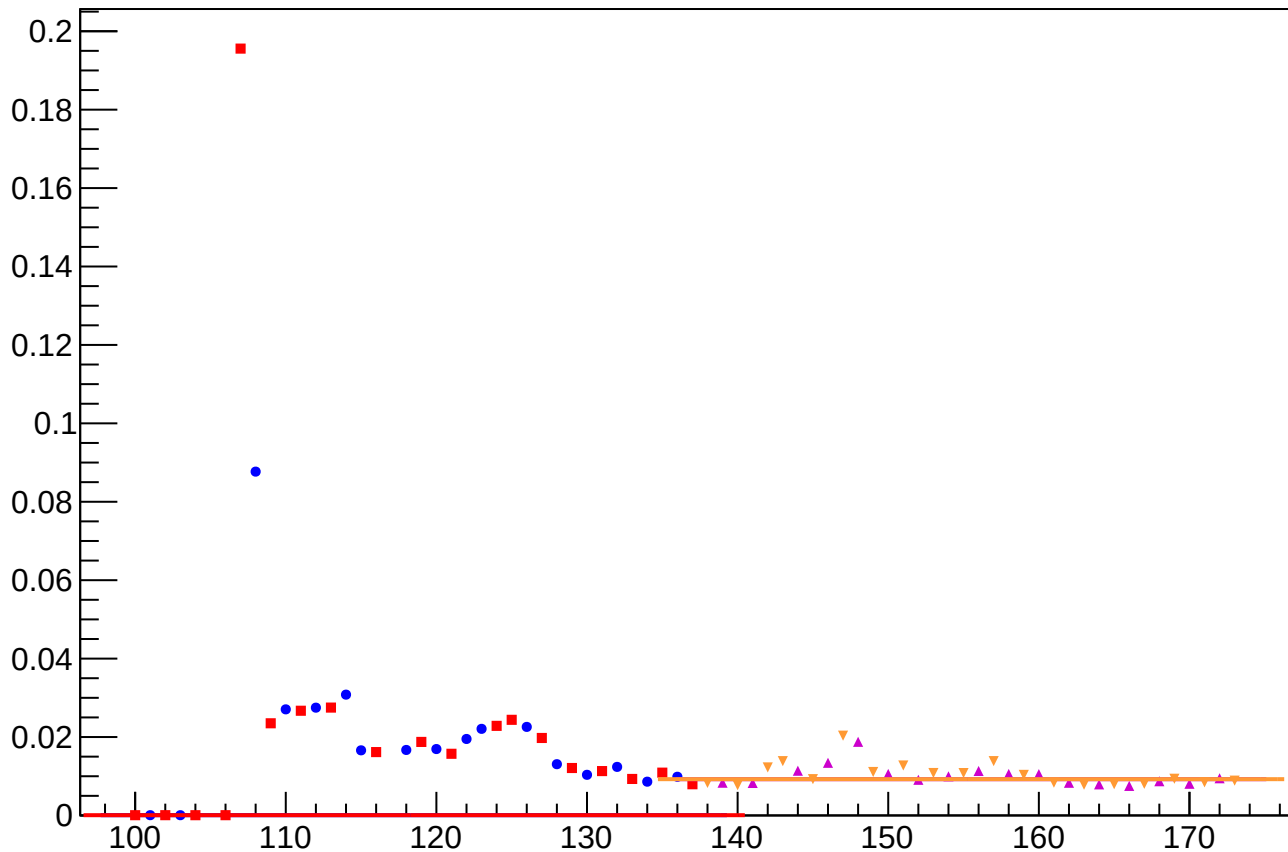
Right: 3.040+/-0.000 χ^2/NDF : 1382254685120485.0/35

In: 3.561+/-0.000 χ^2/NDF : 2912697105282.0/33

Out: 2.582+/-0.000 χ^2/NDF : 1255077348441877.0/33

All: 3.038+/-0.000 χ^2/NDF : 13861667539906.0/35

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9724059.3/16

Left Out: 0.009+/-0.000 χ^2/NDF :1080620.4/18

Right Out: 0.000+/-0.000 χ^2/NDF : 9861757.0/18

Left In: 0.009+/-0.000 χ^2/NDF :791021.3/16

Left: 0.009+/-0.000 χ^2/NDF : 1871645.4/35

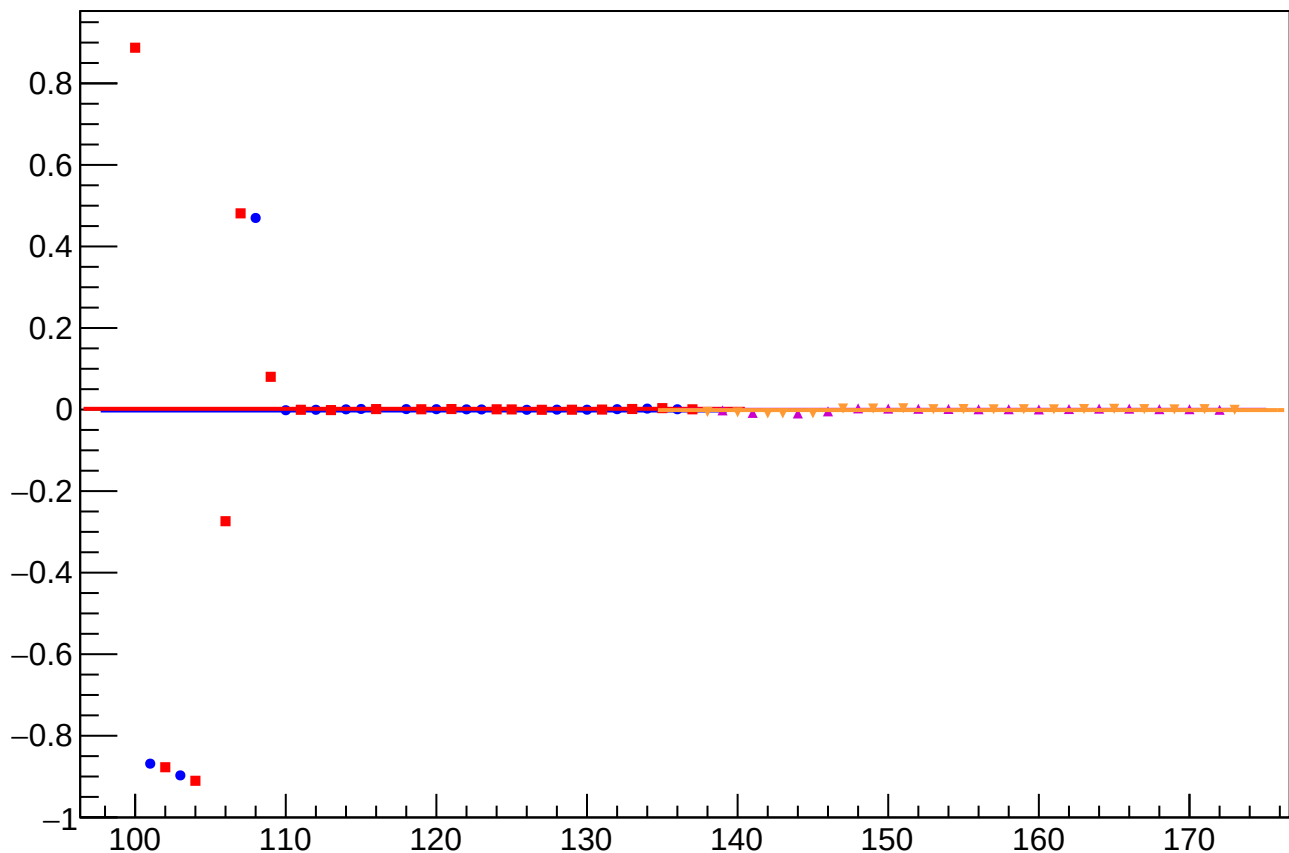
Right: 0.000+/-0.000 χ^2/NDF : 19586090.4/35

In: 0.000+/-0.000 χ^2/NDF :31723205.3/33

Out: 0.000+/-0.000 χ^2/NDF :33745055.7/37

All: 0.000+/-0.000 χ^2/NDF : 65468709.5/71

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF : 9794863405.3/16

Left Out: -0.001+/-0.000 χ^2/NDF : 94976420.2/18

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

Left In: -0.001+/-0.000 χ^2/NDF : 67349884.7/16

Left: -0.001+/-0.000 χ^2/NDF : 163636281.1/35

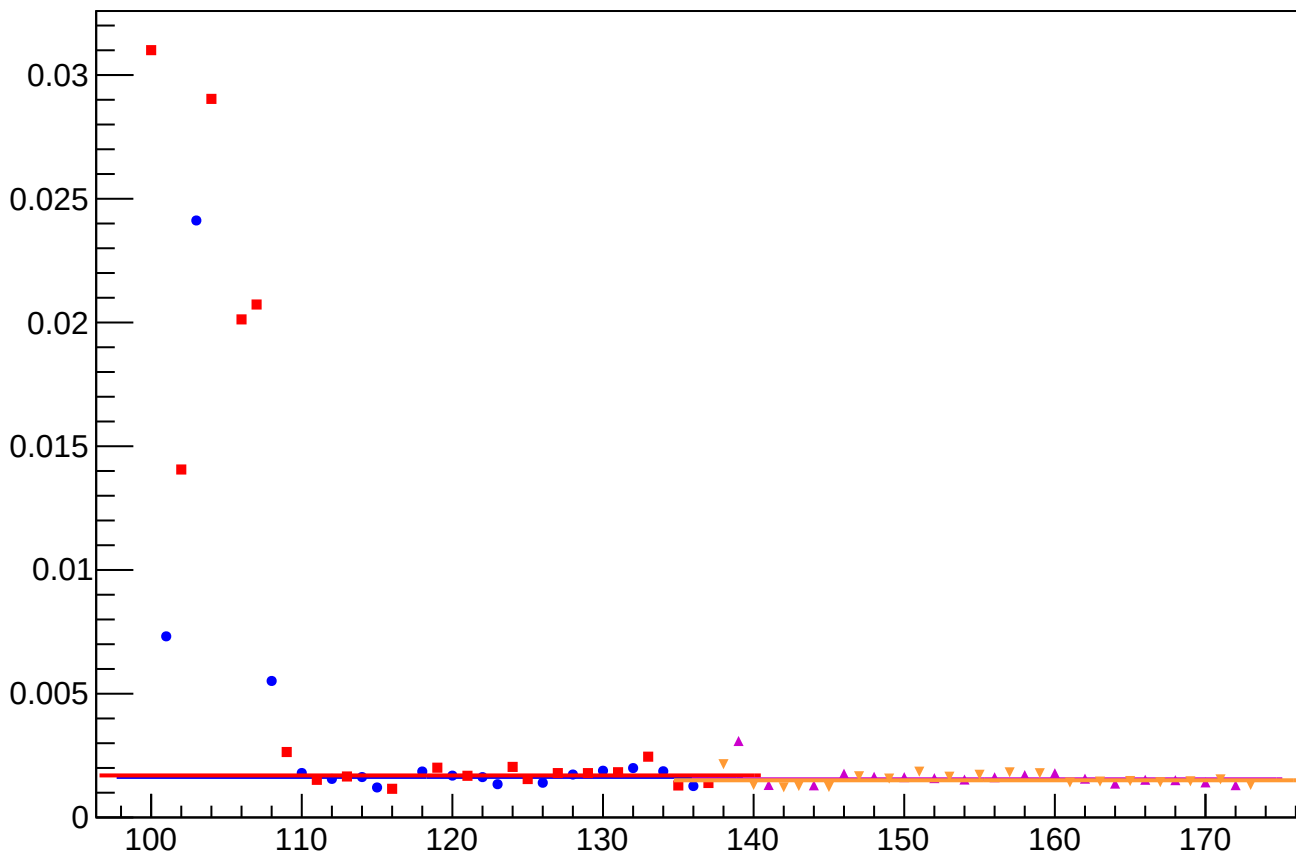
Right: -0.000+/-0.000 χ^2/NDF : 12850350896.6/35

In: -0.001+/-0.000 χ^2/NDF : 9866051446.5/33

Out: -0.001+/-0.000 χ^2/NDF : 3148167750.2/37

All: -0.001+/-0.000 χ^2/NDF : 13014960941.0/75

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:454990.9/18

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:578651.1/16

Left: 0.002 $\pm$ 0.000 χ^2 /NDF: 1041359.7/35

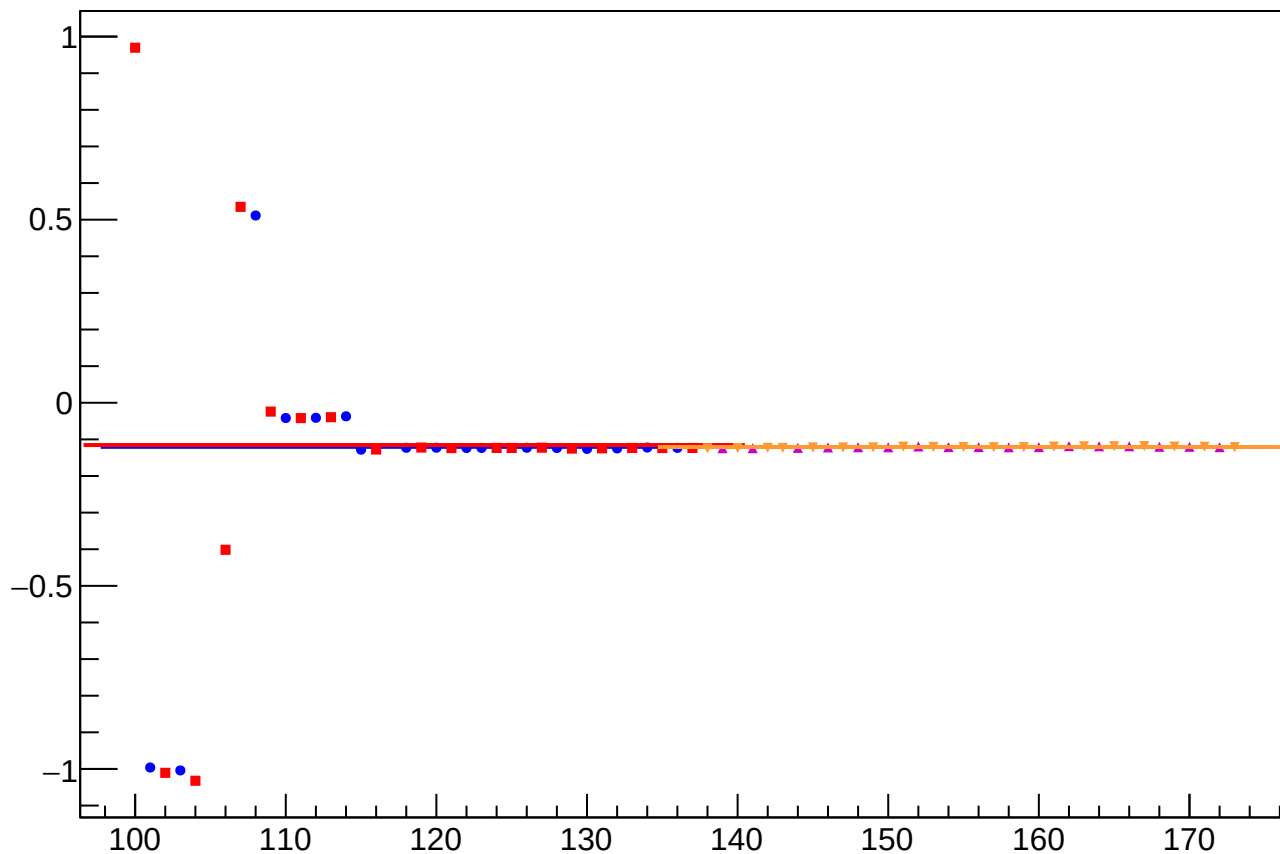
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 4945998.5/35

In: 0.002 $\pm$ 0.000 χ^2 /NDF:2517253.3/33

Out: 0.002 $\pm$ 0.000 χ^2 /NDF:3569669.5/37

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6089579.5/71

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.120+/-0.000 χ^2/NDF : 3932144335.2/16

Left Out: -0.121+/-0.000 χ^2/NDF : 32248431.3/18

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

Left In: -0.121+/-0.000 χ^2/NDF : 28694271.4/16

Left: -0.121+/-0.000 χ^2/NDF : 60948266.5/35

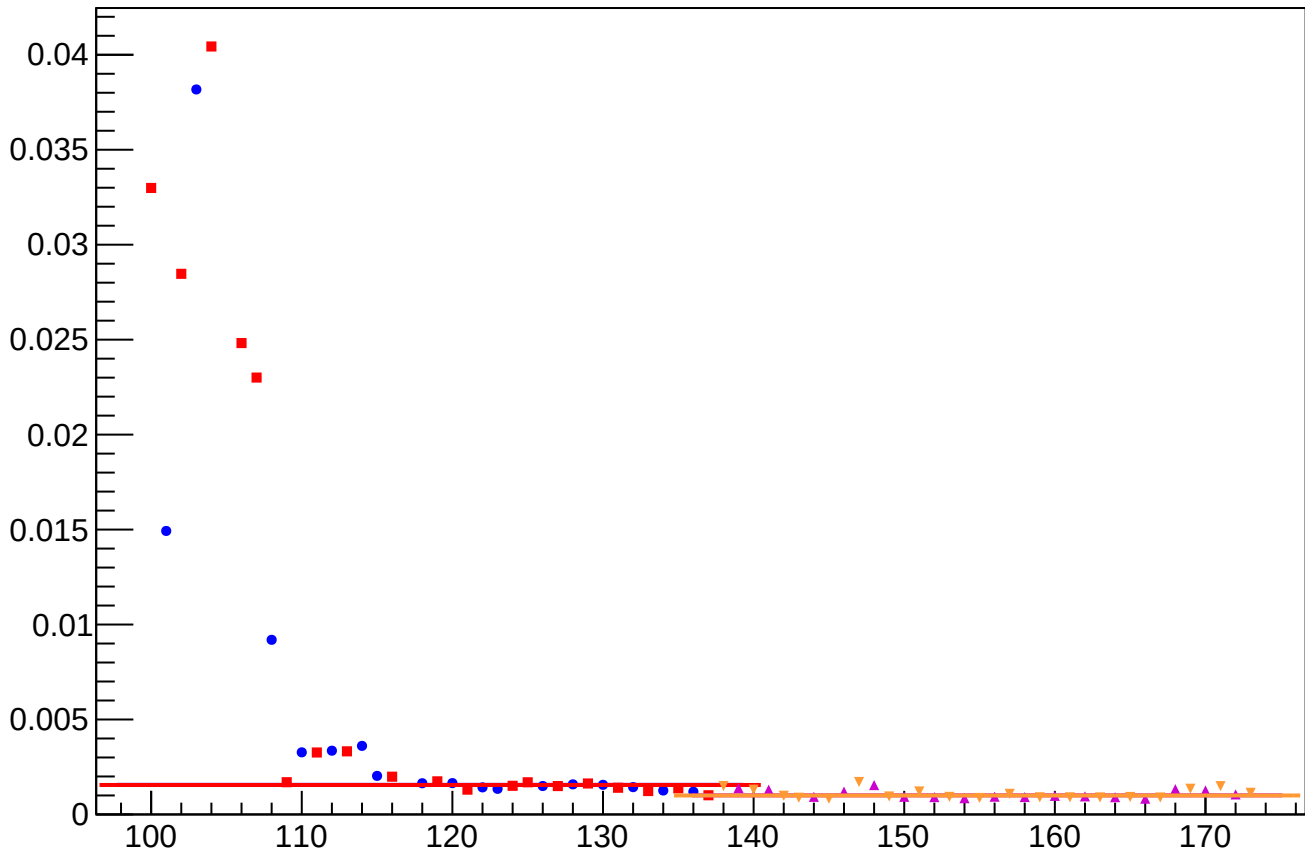
Right: -0.118+/-0.000 χ^2/NDF : 6411653427.4/35

In: -0.121+/-0.000 χ^2/NDF : 3961308419.0/33

Out: -0.120+/-0.000 χ^2/NDF : 2537481714.5/37

All: -0.120+/-0.000 χ^2/NDF : 6501764975.6/7

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1033974.1/18

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3539455.6/18

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:734840.7/16

Left: 0.001 $\pm$ 0.000 χ^2 /NDF: 1769225.9/35

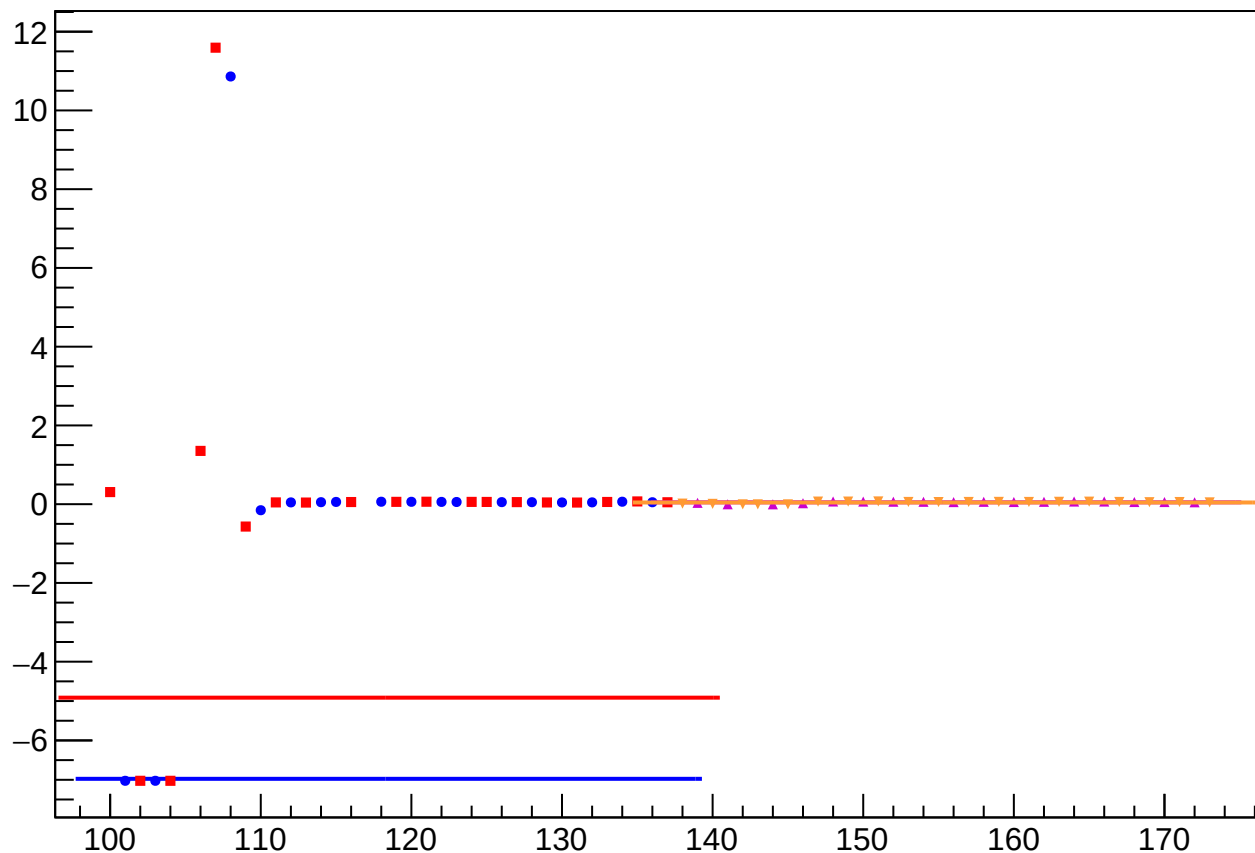
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 6440590.7/35

In: 0.001 $\pm$ 0.000 χ^2 /NDF:4623753.4/33

Out: 0.001 $\pm$ 0.000 χ^2 /NDF:5581677.5/37

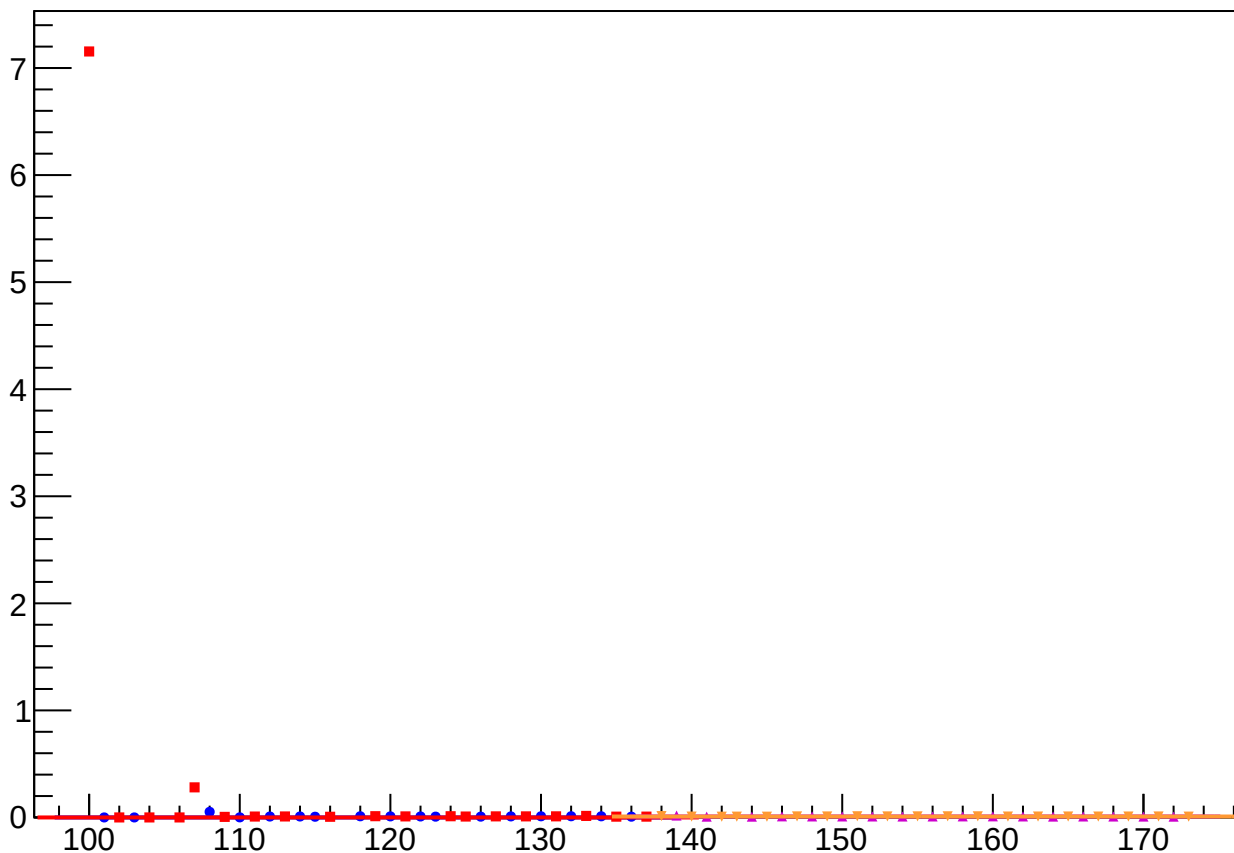
All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10206929.5/71

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975+/-0.000 χ^2/NDF : 8749579700722.8/16
 Left Out: 0.043+/-0.000 χ^2/NDF : 95944060.0/18
 Right Out: -4.914+/-0.000 χ^2/NDF : 365358092730279.9/18
 Left In: 0.047+/-0.000 χ^2/NDF : 74641184.5/16
 All: -5.869+/-0.000 χ^2/NDF : 4399320372681

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 8242728.7/16

Left Out: 0.009+/-0.000 χ^2/NDF :453140.4/18

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

Left In: 0.009+/-0.000 χ^2/NDF :579655.2/16

Left: 0.009+/-0.000 χ^2/NDF : 1040412.2/35

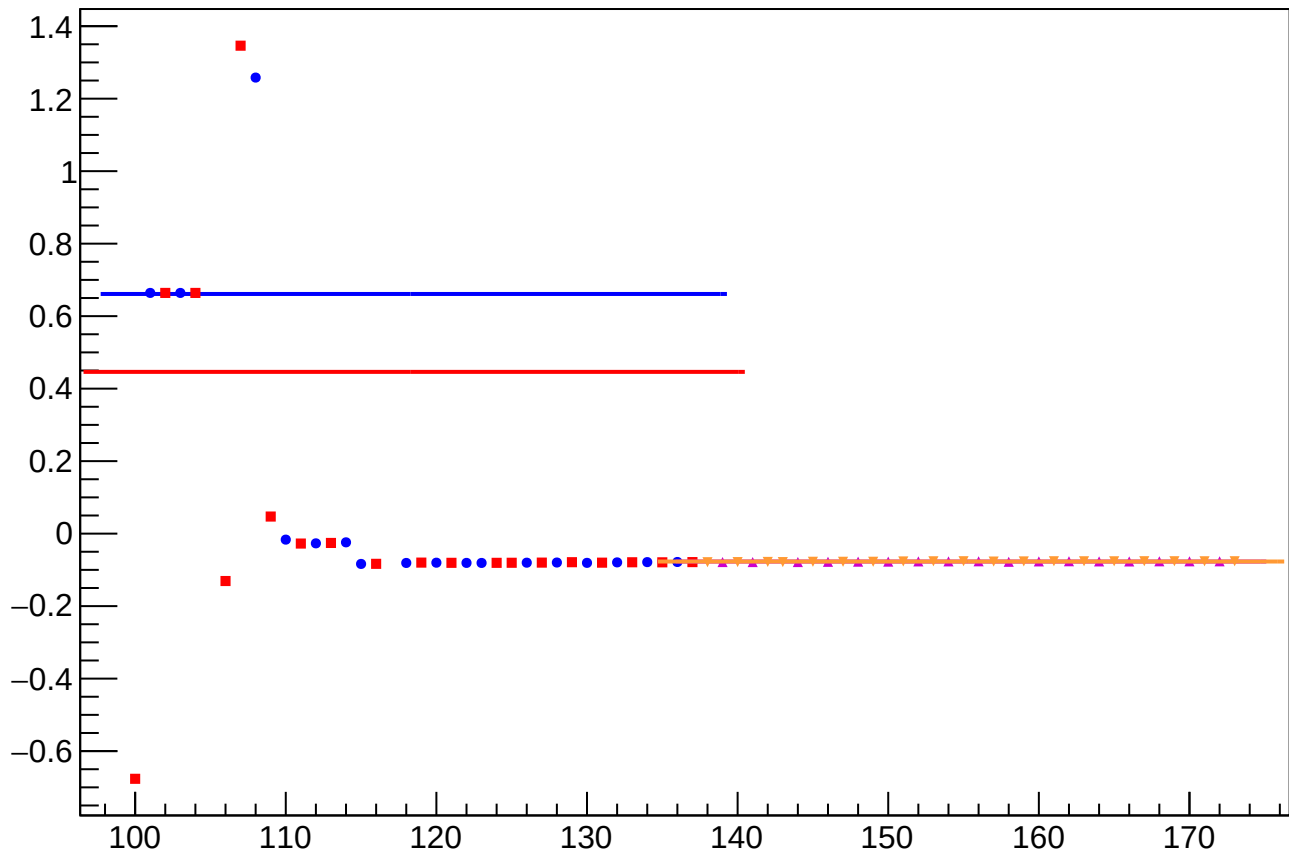
Right: 0.000+/-0.000 χ^2/NDF : 17018999.2/35

In: 0.000+/-0.000 χ^2/NDF :29126023.8/33

Out: 0.000+/-0.000 χ^2/NDF :31011156.1/37

All: 0.000+/-0.000 χ^2/NDF : 60137394.7/71

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000

χ^2/NDF : 5607525081216.0/16

Left: -0.077+/-0.000

χ^2/NDF : 59991207.8/35

Left Out: -0.077+/-0.000

χ^2/NDF : 35189304.9/18

Right: 0.549+/-0.000

χ^2/NDF : 473947475230218.3

Right Out: 0.446+/-0.000

χ^2/NDF : 405416924315199.0/18

In: 0.650+/-0.000

χ^2/NDF : 26896680166982.1/33

Out: 0.439+/-0.000

χ^2/NDF : 416986079230010.9/3

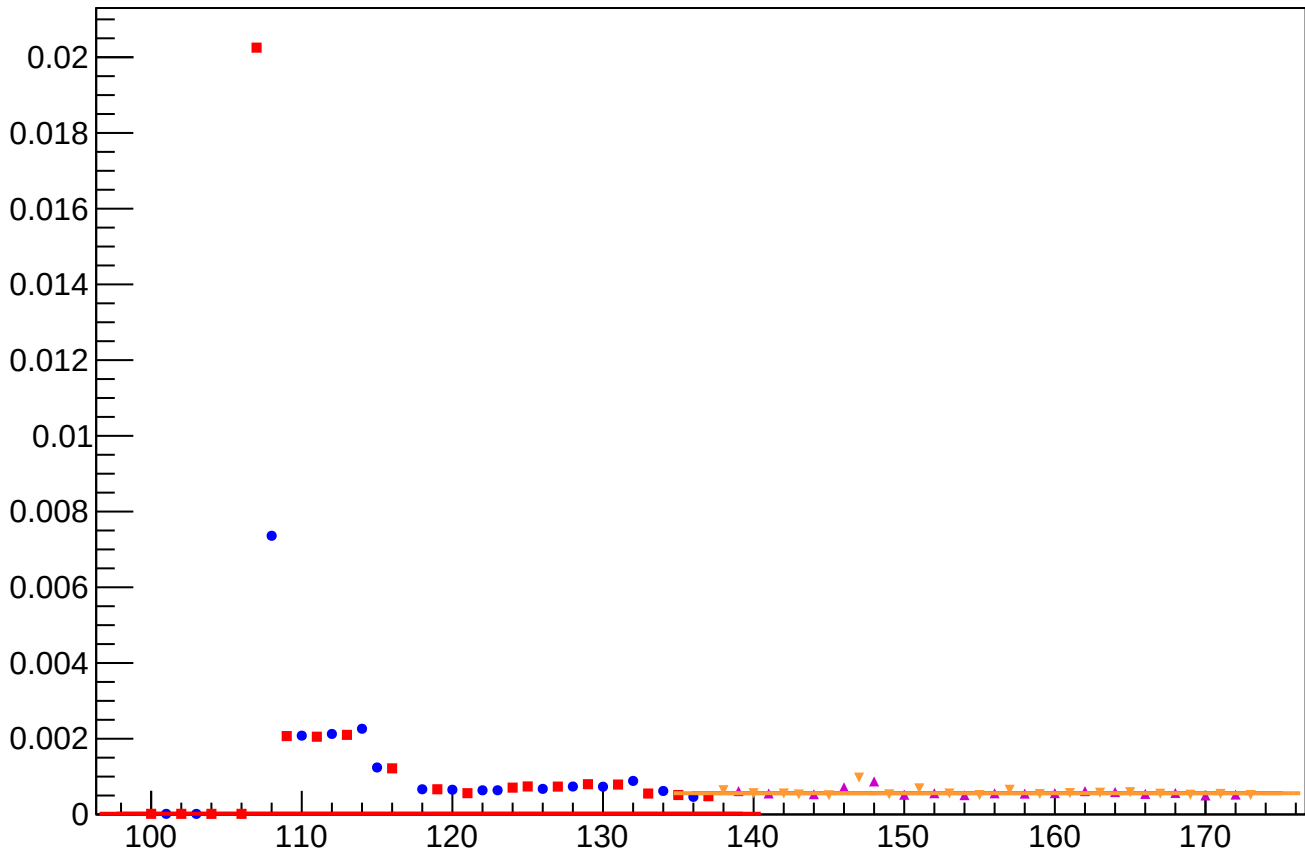
Left In: -0.077+/-0.000

χ^2/NDF : 24709525.9/16

All: 0.540+/-0.000

χ^2/NDF : 50580287255364

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 9874012.7/16

Left Out: 0.001+/-0.000 χ^2/NDF :439602.7/18

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

Left In: 0.001+/-0.000 χ^2/NDF :351534.9/16

Left: 0.001+/-0.000 χ^2/NDF : 791381.2/35

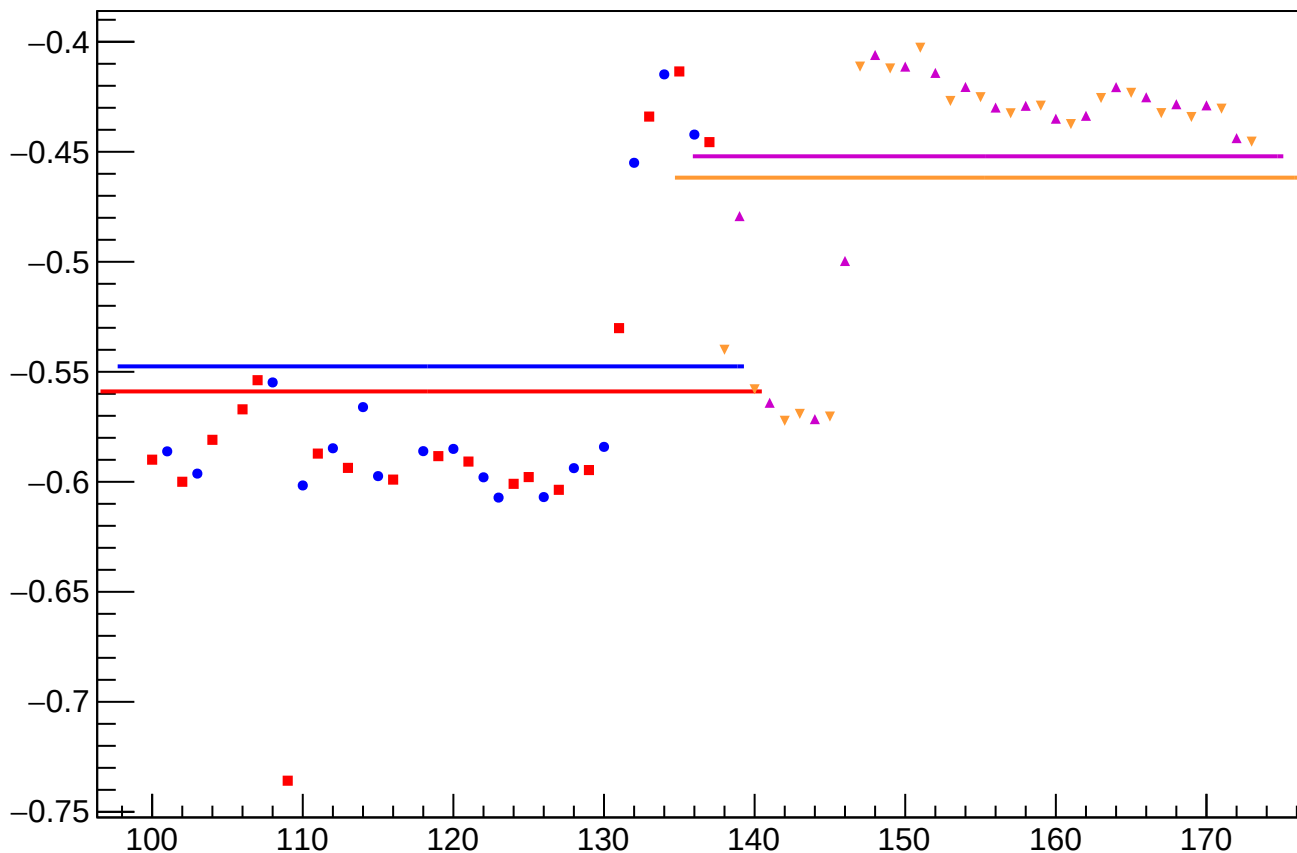
Right: 0.000+/-0.000 χ^2/NDF : 19354868.6/35

In: 0.000+/-0.000 χ^2/NDF :33470408.2/33

Out: 0.000+/-0.000 χ^2/NDF :34847498.6/37

All: 0.000+/-0.000 χ^2/NDF : 68318001.3/71

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.462+/-0.000 χ^2/NDF : 106538123.4/18

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

Left In: -0.452+/-0.000 χ^2/NDF : 75248873.0/16

Left: -0.457+/-0.000 χ^2/NDF : 183094257.1/35

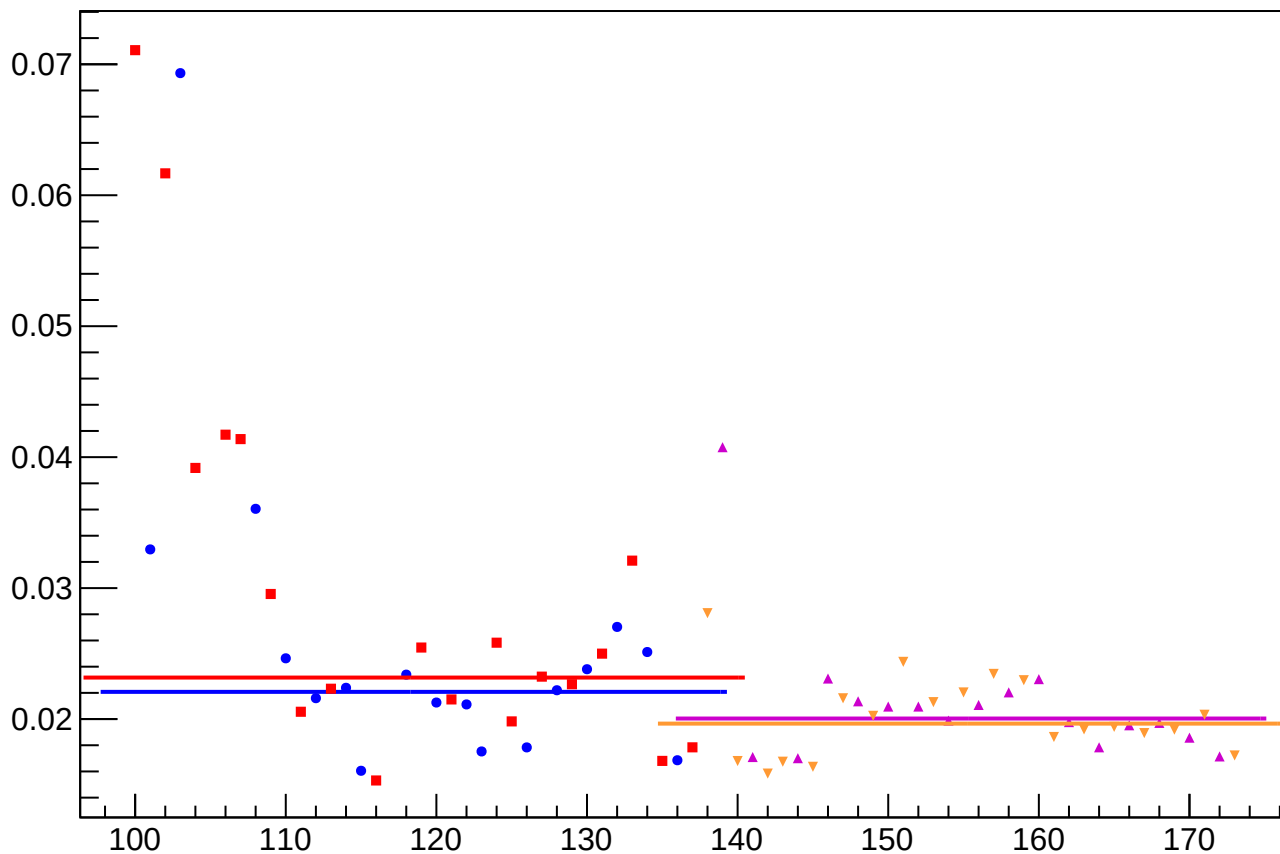
Right: -0.553+/-0.000 χ^2/NDF : 114532950.1/35

In: -0.479+/-0.000 χ^2/NDF : 191534190.1/33

Out: -0.486+/-0.000 χ^2/NDF : 241858144.8/37

All: -0.483+/-0.000 χ^2/NDF : 434394590.2/71

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 954779.5/16

Left Out: 0.020+/-0.000 χ^2/NDF : 424050.9/18

Right Out: 0.023+/-0.000 χ^2/NDF : 1156758.3/18

Left In: 0.020+/-0.000 χ^2/NDF : 572421.8/16

Left: 0.020+/-0.000 χ^2/NDF : 1000660.2/35

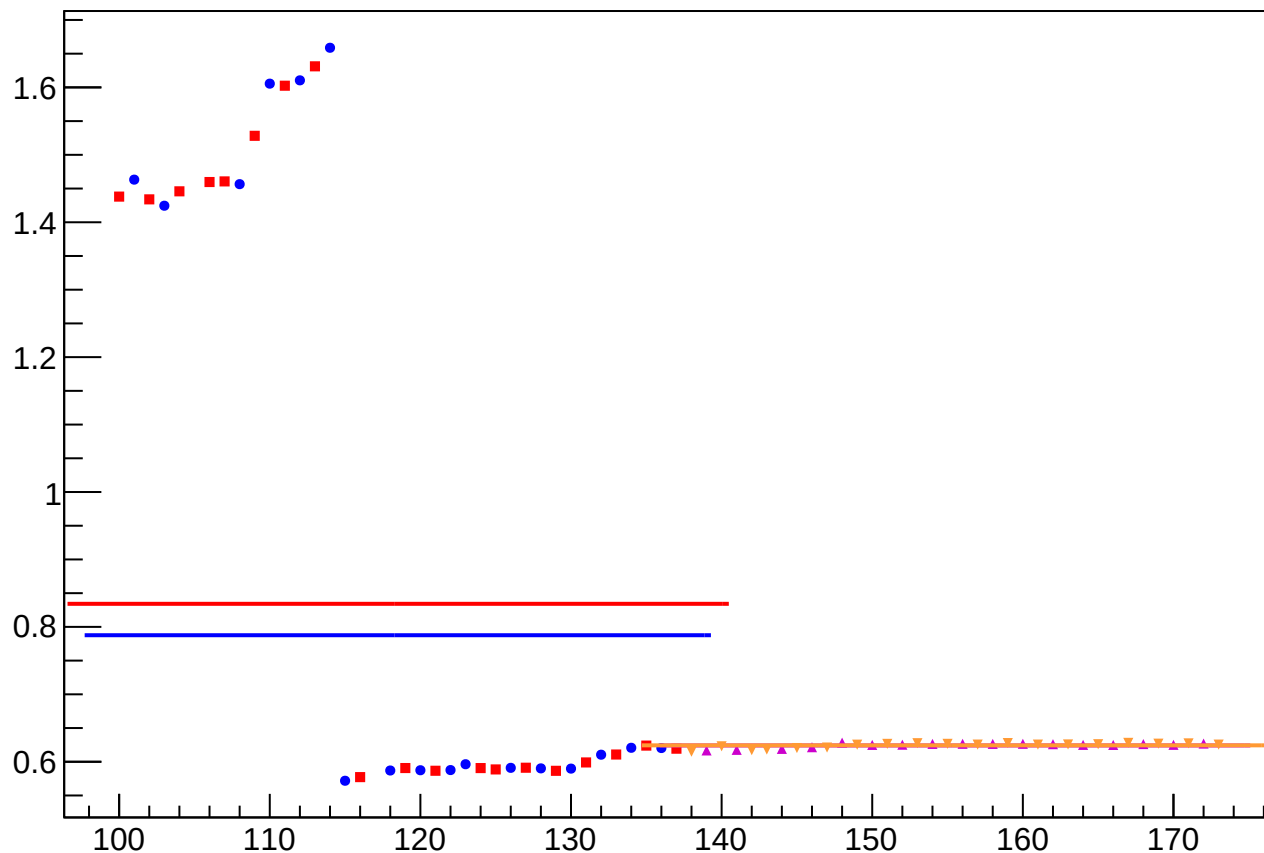
Right: 0.023+/-0.000 χ^2/NDF : 2123609.7/35

In: 0.021+/-0.000 χ^2/NDF : 1588841.3/33

Out: 0.021+/-0.000 χ^2/NDF : 1764160.5/37

All: 0.021+/-0.000 χ^2/NDF : 3353220.7/71

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788+/-0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.624+/-0.000 χ^2/NDF :1237468.7/18

Right Out: 0.834+/-0.000 χ^2/NDF : 4152115639.4/18

Left In: 0.624+/-0.000 χ^2/NDF :959280.6/16

Left: 0.624+/-0.000 χ^2/NDF : 2198362.5/35

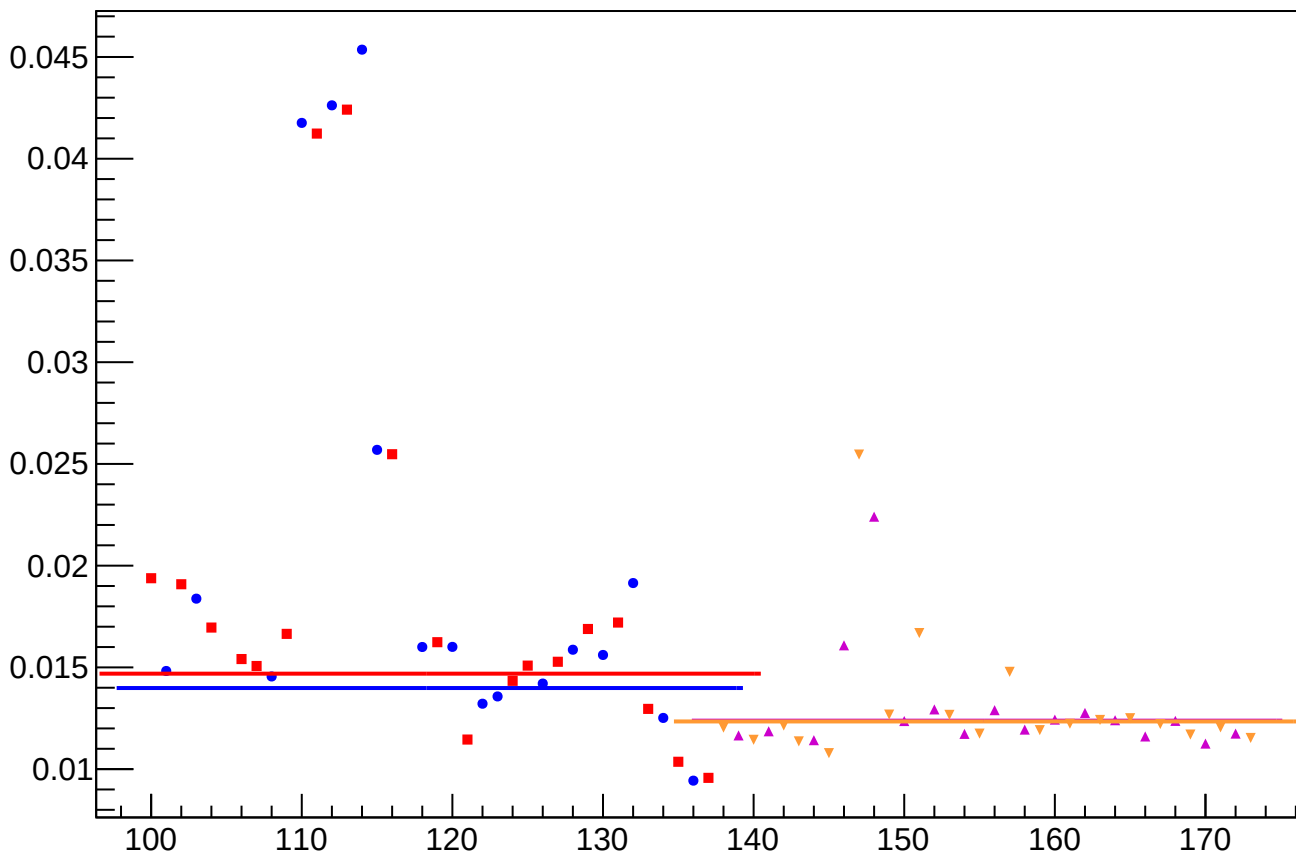
Right: 0.811+/-0.000 χ^2/NDF : 7764167044.9/35

In: 0.666+/-0.000 χ^2/NDF :4152191306.0/33

Out: 0.674+/-0.000 χ^2/NDF :5086696528.4/37

All: 0.670+/-0.000 χ^2/NDF : 9242608078.6/71

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1398505.7/16

Left Out: 0.012+/-0.000 χ^2/NDF : 604666.1/18

Right Out: 0.015+/-0.000 χ^2/NDF : 1258511.3/18

Left In: 0.012+/-0.000 χ^2/NDF : 440410.6/16

Left: 0.012+/-0.000 χ^2/NDF : 1045206.0/35

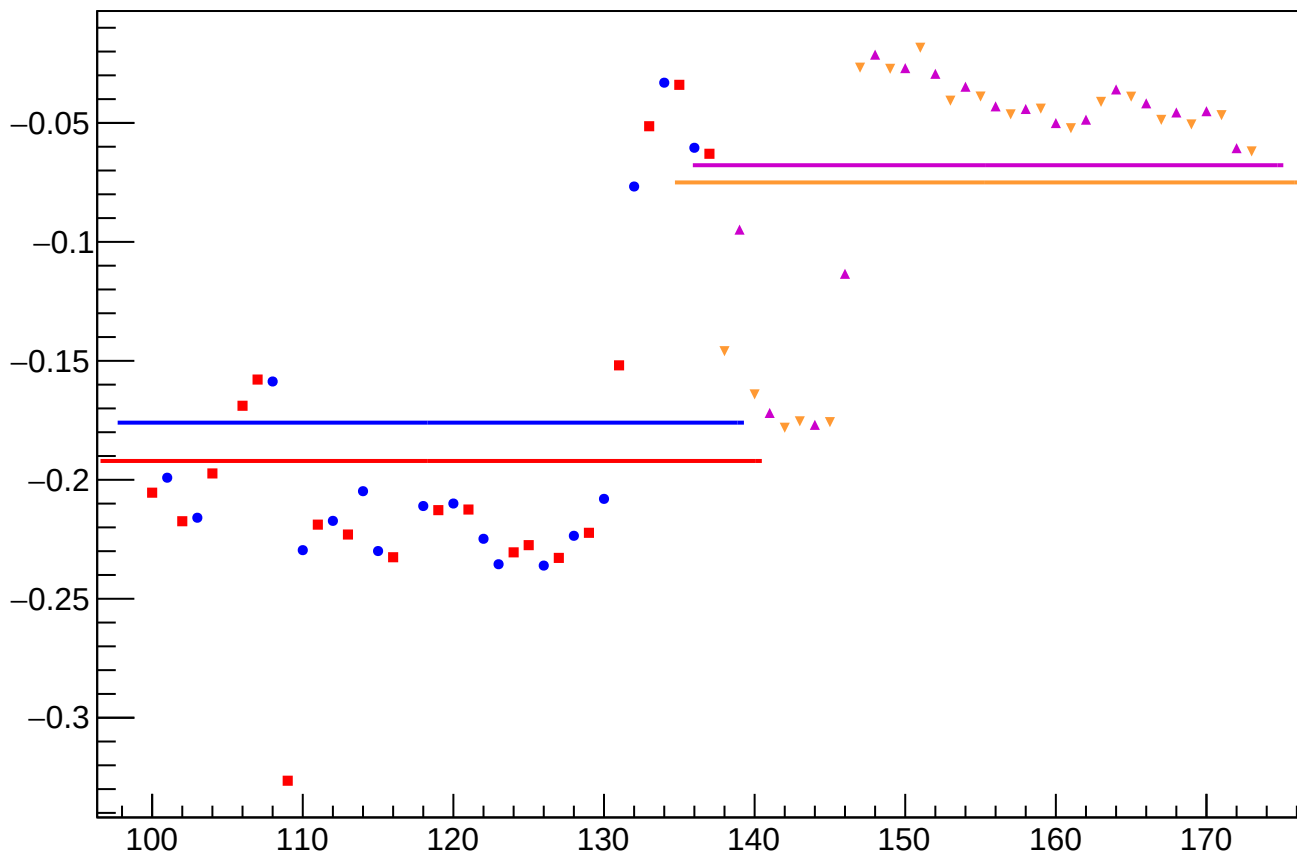
Right: 0.014+/-0.000 χ^2/NDF : 2671110.0/35

In: 0.013+/-0.000 χ^2/NDF : 1948576.2/33

Out: 0.013+/-0.000 χ^2/NDF : 2096966.8/37

All: 0.013+/-0.000 χ^2/NDF : 4046864.1/71

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.075+/-0.000 χ^2/NDF : 101402997.8/18

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

Left In: -0.068+/-0.000 χ^2/NDF : 75613898.8/16

Left: -0.072+/-0.000 χ^2/NDF : 177803483.3/35

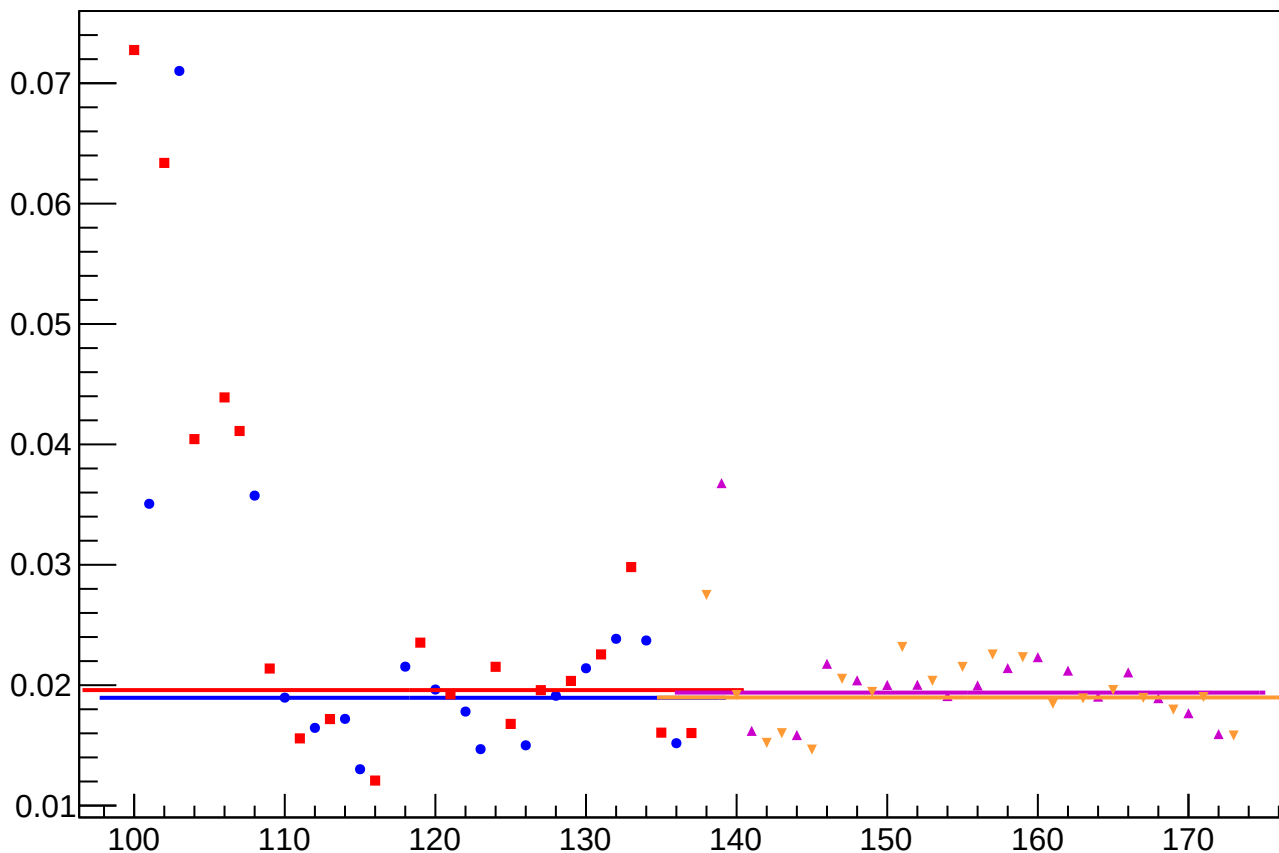
Right: -0.184+/-0.000 χ^2/NDF : 155143425.4/35

In: -0.103+/-0.000 χ^2/NDF : 254364036.7/33

Out: -0.110+/-0.000 χ^2/NDF : 314643541.1/37

All: -0.107+/-0.000 χ^2/NDF : 570004761.2/71

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1203275.7/16

Left Out: 0.019+/-0.000 χ^2/NDF : 476759.8/18

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

Left In: 0.019+/-0.000 χ^2/NDF : 571216.2/16

Left: 0.019+/-0.000 χ^2/NDF : 1052891.6/35

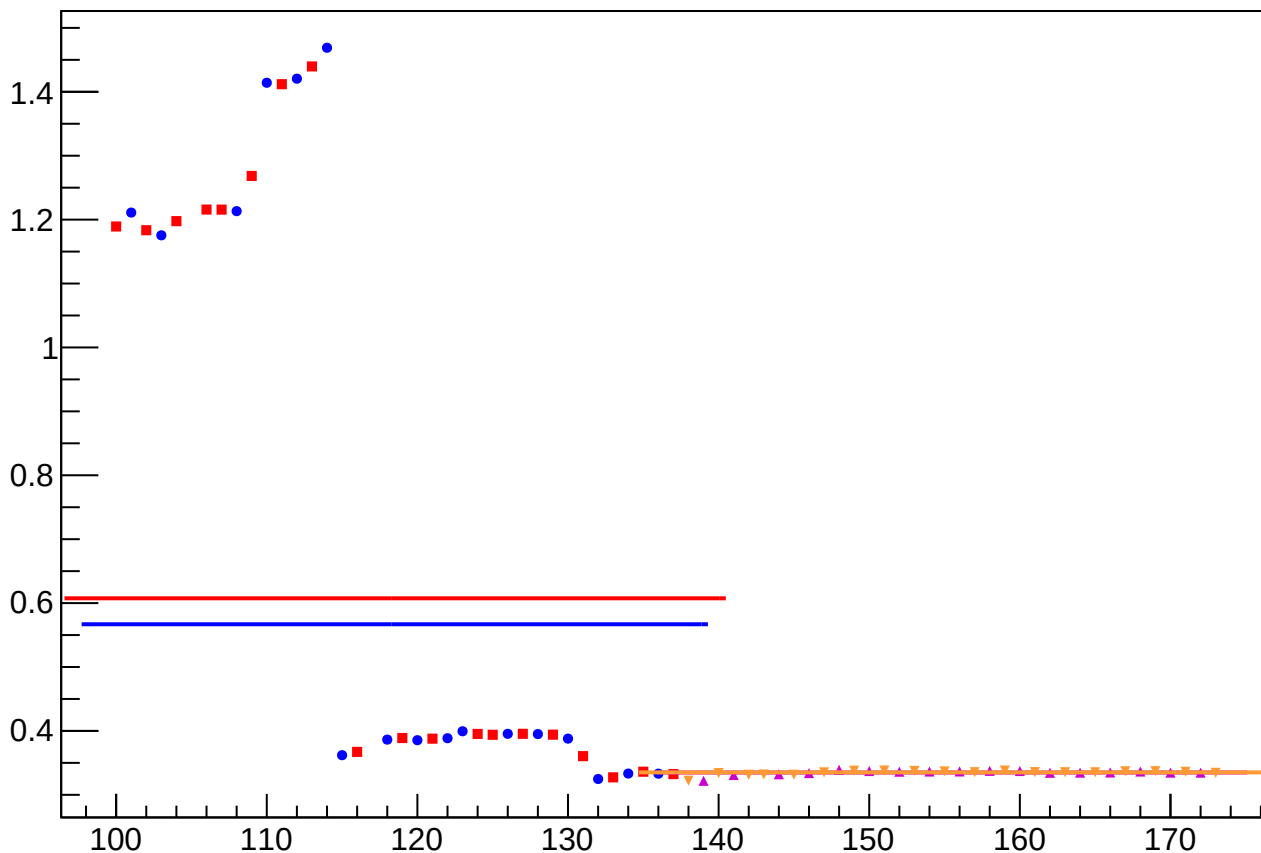
Right: 0.019+/-0.000 χ^2/NDF : 2664188.0/35

In: 0.019+/-0.000 χ^2/NDF : 1777951.9/33

Out: 0.019+/-0.000 χ^2/NDF : 1939205.5/37

All: 0.019+/-0.000 χ^2/NDF : 3717446.0/71

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567+/-0.000

χ^2/NDF : 5016913731.3/16

Left: 0.335+/-0.000 χ^2/NDF : 2305144.1/35

Right: 0.587+/-0.000 χ^2/NDF : 10552855690.4/35

Left Out: 0.335+/-0.000

χ^2/NDF : 1134005.2/18

In: 0.397+/-0.000 χ^2/NDF : 6513382786.3/33

Right Out: 0.607+/-0.000

χ^2/NDF : 5505226431.3/18

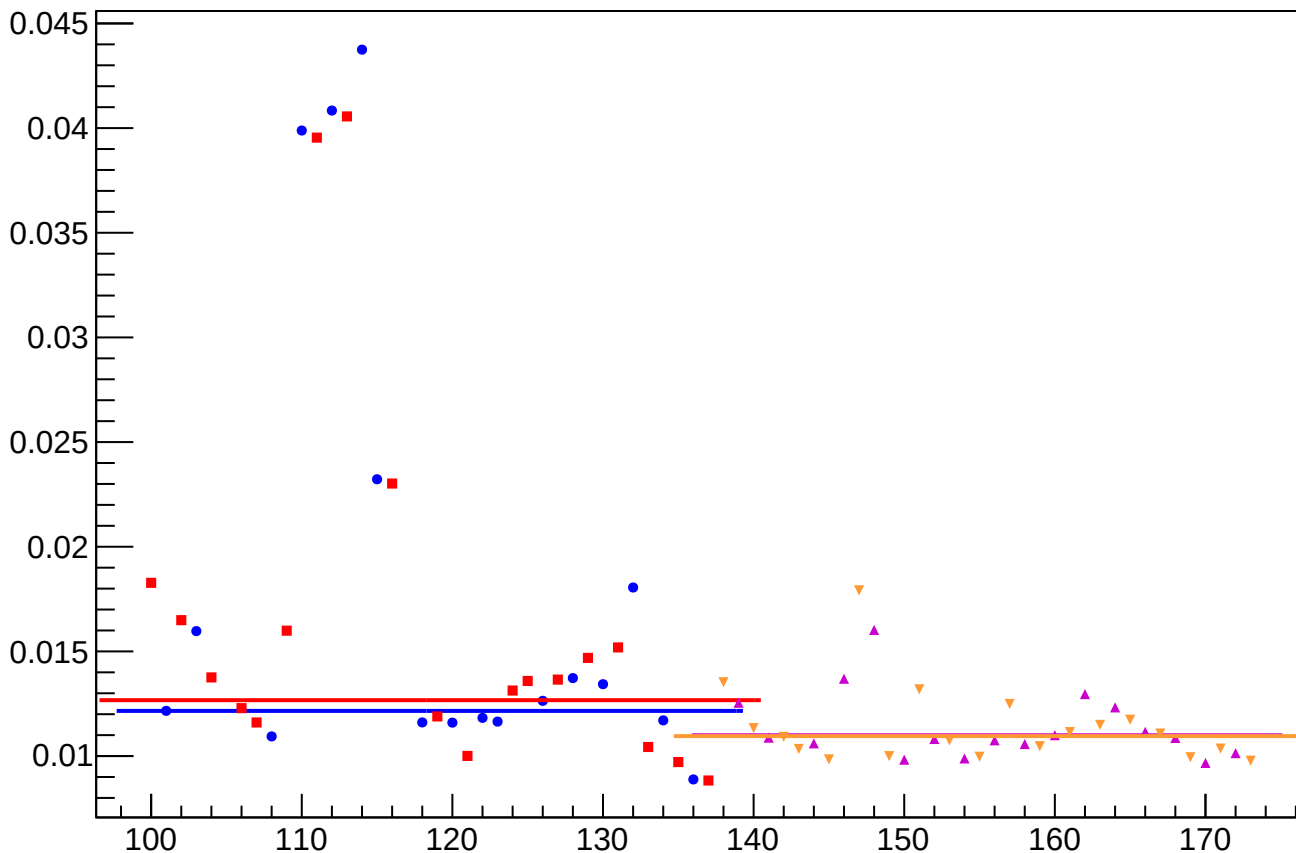
Out: 0.402+/-0.000 χ^2/NDF : 7558153189.8/37

Left In: 0.335+/-0.000

χ^2/NDF : 1169120.4/16

All: 0.399+/-0.000 χ^2/NDF : 14073508308.2/7

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2/NDF : 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2/NDF : 451148.9/18

Right Out: 0.013 $\pm$ 0.000 χ^2/NDF : 1267219.4/18

Left In: 0.011 $\pm$ 0.000 χ^2/NDF : 368337.1/16

Left: 0.011 $\pm$ 0.000 χ^2/NDF : 819656.9/35

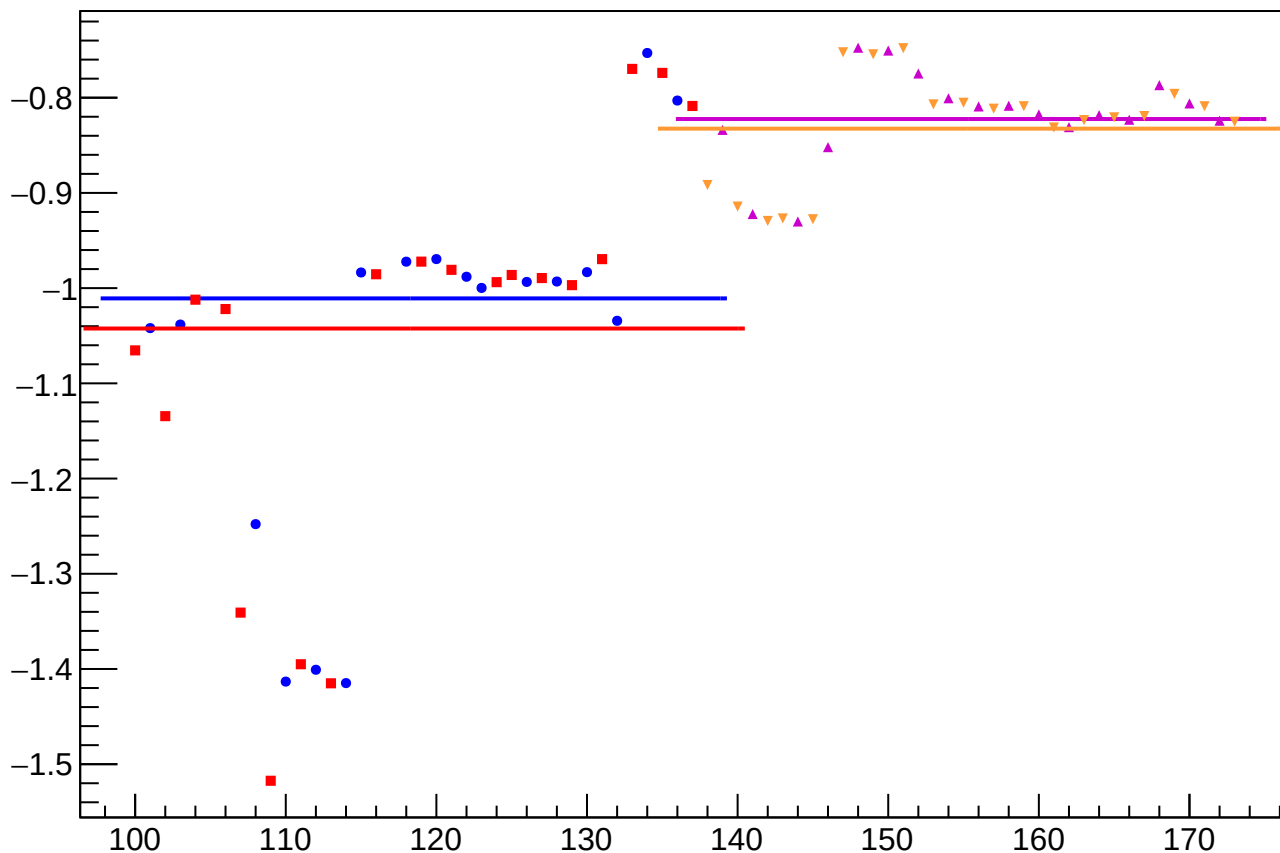
Right: 0.012 $\pm$ 0.000 χ^2/NDF : 2584926.4/35

In: 0.011 $\pm$ 0.000 χ^2/NDF : 1751627.7/33

Out: 0.011 $\pm$ 0.000 χ^2/NDF : 1881203.0/37

All: 0.011 $\pm$ 0.000 χ^2/NDF : 3633565.3/71

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011+/-0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.832+/-0.000 χ^2/NDF : 97739807.6/18

Right Out: -1.042+/-0.000 χ^2/NDF : 528958824.5/18

Left In: -0.822+/-0.000 χ^2/NDF : 73599448.0/16

Left: -0.828+/-0.000 χ^2/NDF : 172830186.0/35

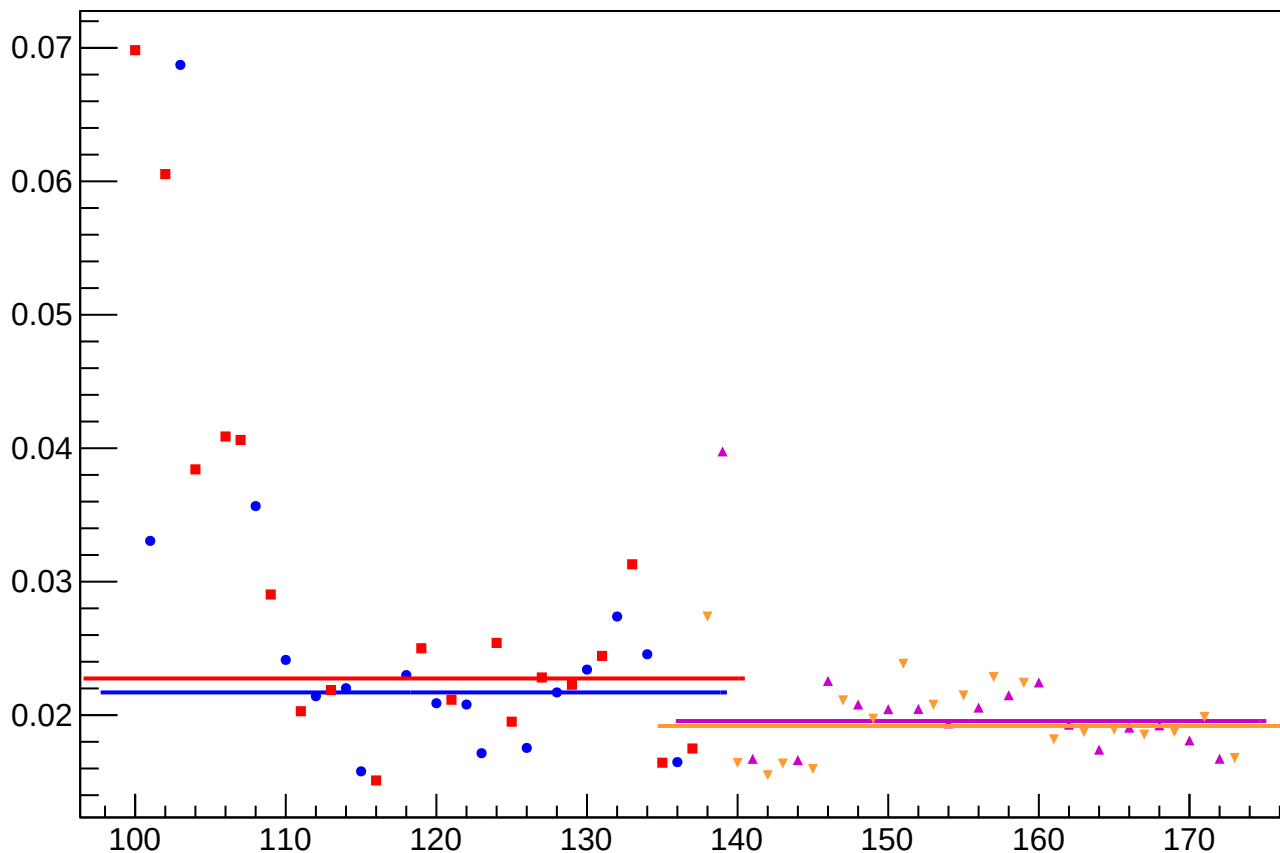
Right: -1.026+/-0.000 χ^2/NDF : 921337924.7/35

In: -0.875+/-0.000 χ^2/NDF : 734457818.3/33

Out: -0.885+/-0.000 χ^2/NDF : 965994069.7/37

All: -0.880+/-0.000 χ^2/NDF : 1702427414.1/7

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF : 979293.5/16

Left Out: 0.019+/-0.000 χ^2/NDF : 422593.9/18

Right Out: 0.023+/-0.000 χ^2/NDF : 1152332.6/18

Left In: 0.020+/-0.000 χ^2/NDF : 569769.0/16

Left: 0.019+/-0.000 χ^2/NDF : 996394.0/35

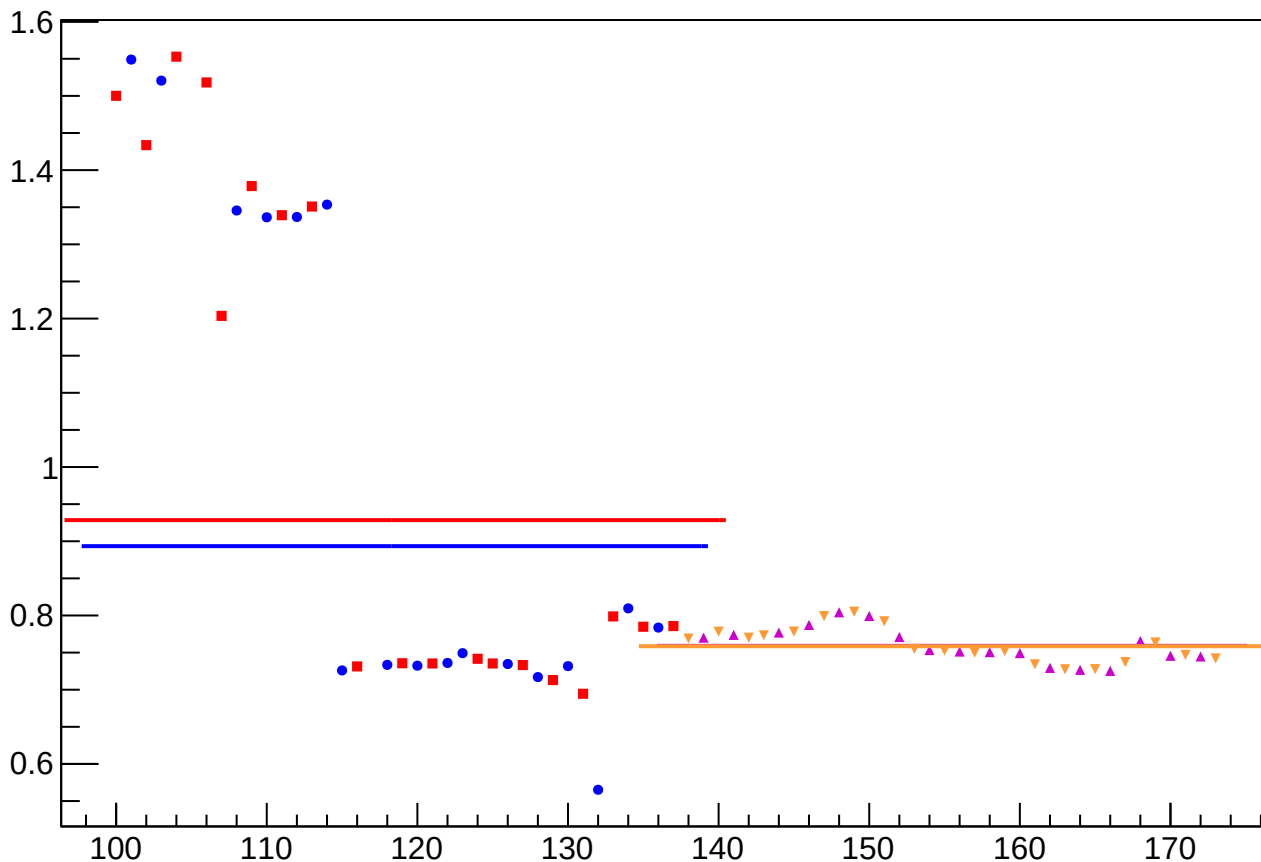
Right: 0.022+/-0.000 χ^2/NDF : 2143091.8/35

In: 0.020+/-0.000 χ^2/NDF : 1619889.3/33

Out: 0.020+/-0.000 χ^2/NDF : 1770203.7/37

All: 0.020+/-0.000 χ^2/NDF : 3390349.9/71

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893 $\pm$ 0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.759 $\pm$ 0.000 χ^2/NDF :39011041.2/18

Right Out: 0.928 $\pm$ 0.000 χ^2/NDF : 2435640156.0/18

Left In: 0.759 $\pm$ 0.000 χ^2/NDF :35116417.8/16

Left: 0.759 $\pm$ 0.000 χ^2/NDF : 74139459.0/35

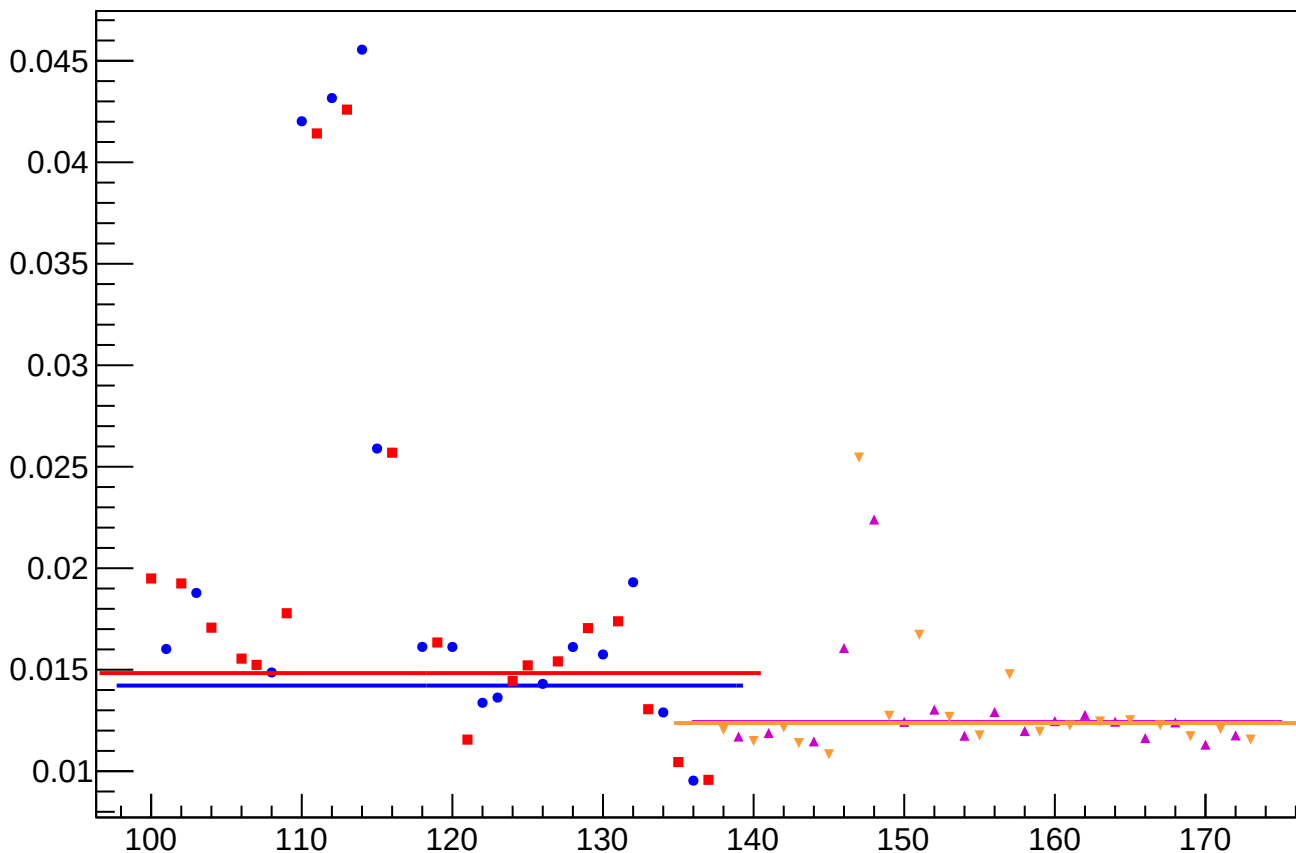
Right: 0.911 $\pm$ 0.000 χ^2/NDF : 4860512064.2/35

In: 0.793 $\pm$ 0.000 χ^2/NDF :2816197097.9/33

Out: 0.798 $\pm$ 0.000 χ^2/NDF :3075070604.9/37

All: 0.796 $\pm$ 0.000 χ^2/NDF : 5893037615.6/71

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1409594.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:600077.1/18

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 1269559.2/18

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:435823.4/16

Left: 0.012 $\pm$ 0.000 χ^2 /NDF: 1036111.7/35

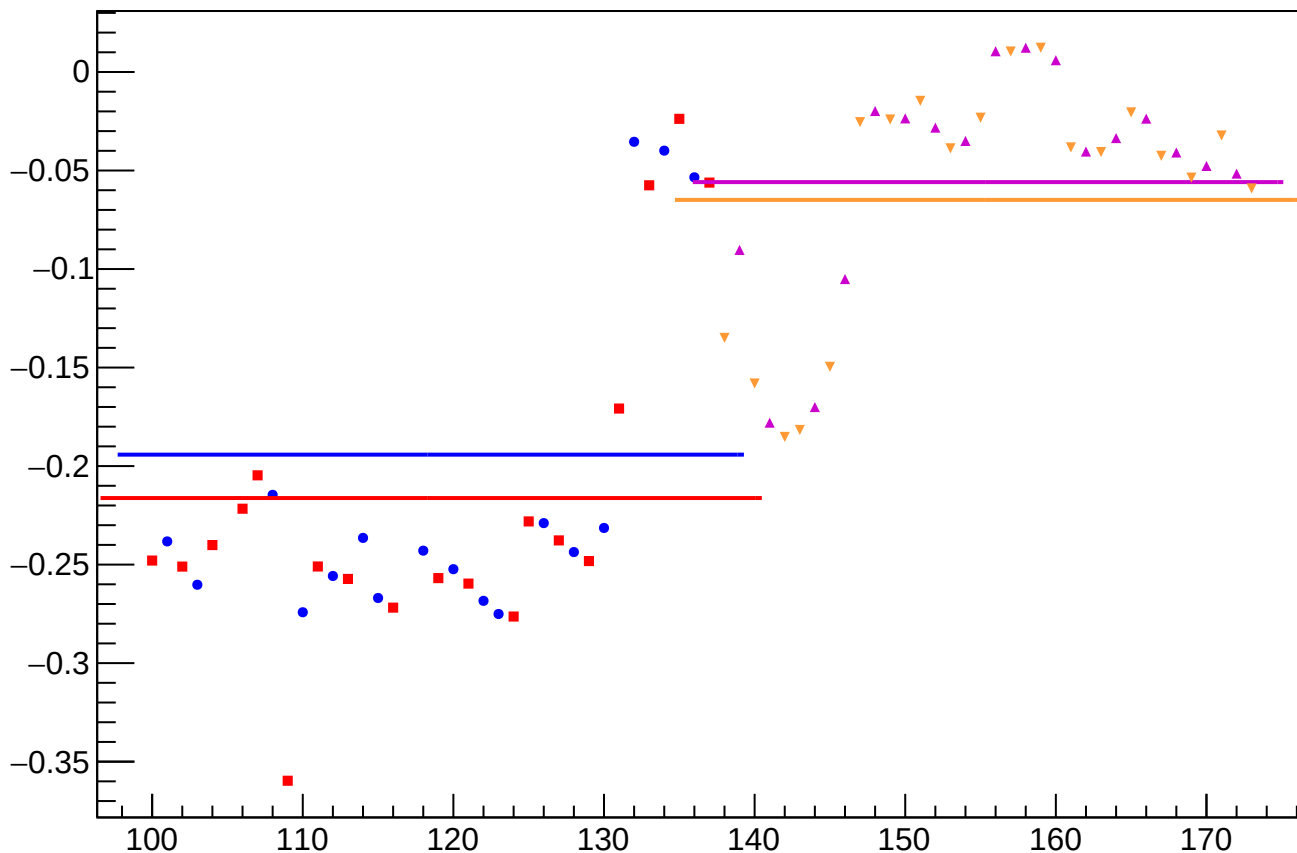
Right: 0.015 $\pm$ 0.000 χ^2 /NDF: 2689500.8/35

In: 0.013 $\pm$ 0.000 χ^2 /NDF:1979100.5/33

Out: 0.013 $\pm$ 0.000 χ^2 /NDF:2121767.9/37

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 4101527.0/71

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.194 ± 0.000 χ^2/NDF : 108425823.4/16

Left Out: -0.065 ± 0.000 χ^2/NDF : 117258204.2/18

Right Out: -0.216 ± 0.000 χ^2/NDF : 111036295.0/18

Left In: -0.056 ± 0.000 χ^2/NDF : 97497290.9/16

Left: -0.061 ± 0.000 χ^2/NDF : 215982316.0/35

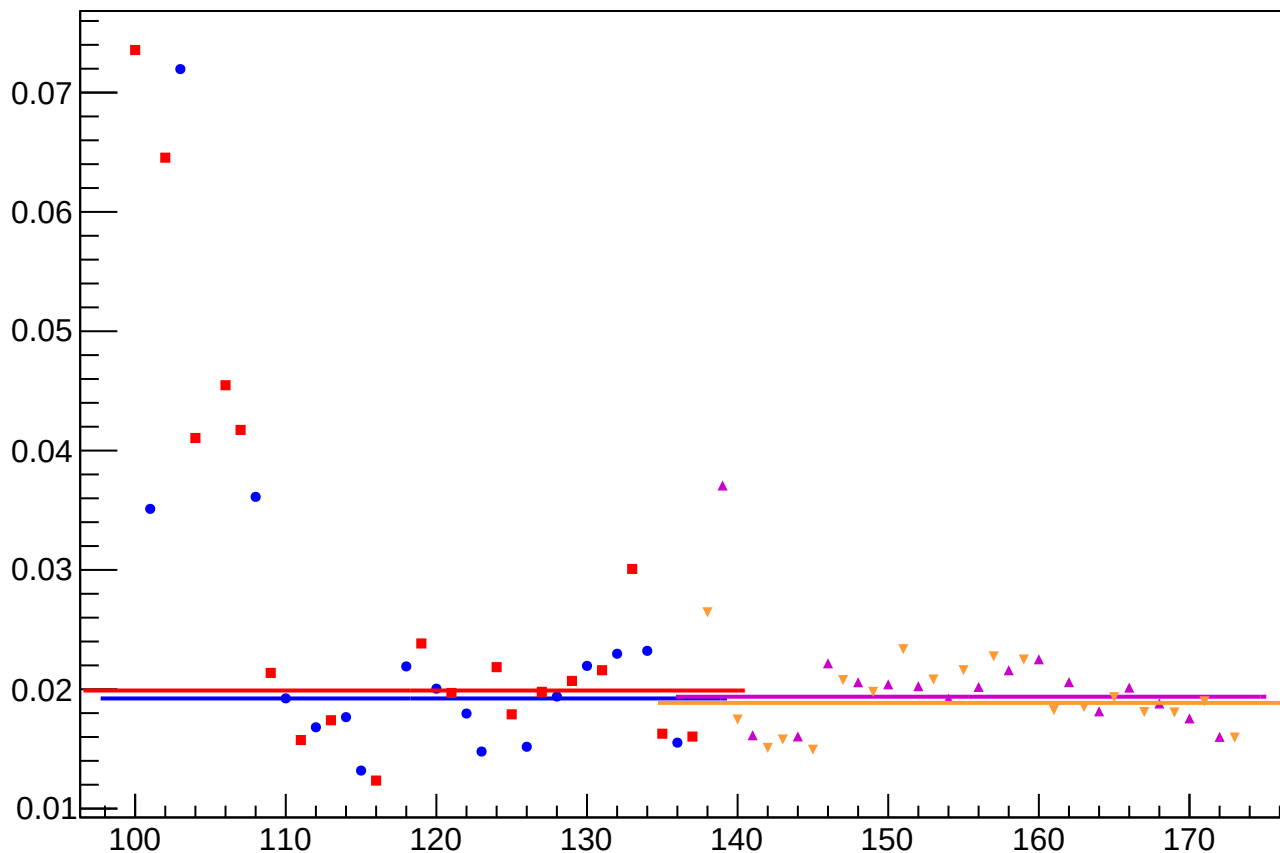
Right: -0.205 ± 0.000 χ^2/NDF : 222671892.3/35

In: -0.100 ± 0.000 χ^2/NDF : 379883711.4/33

Out: -0.109 ± 0.000 χ^2/NDF : 440966710.0/37

All: -0.105 ± 0.000 χ^2/NDF : 822365011.0/71

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF : 1174577.3/16

Left Out: 0.019+/-0.000 χ^2/NDF : 473251.7/18

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

Left In: 0.019+/-0.000 χ^2/NDF : 579091.3/16

Left: 0.019+/-0.000 χ^2/NDF : 1060387.2/35

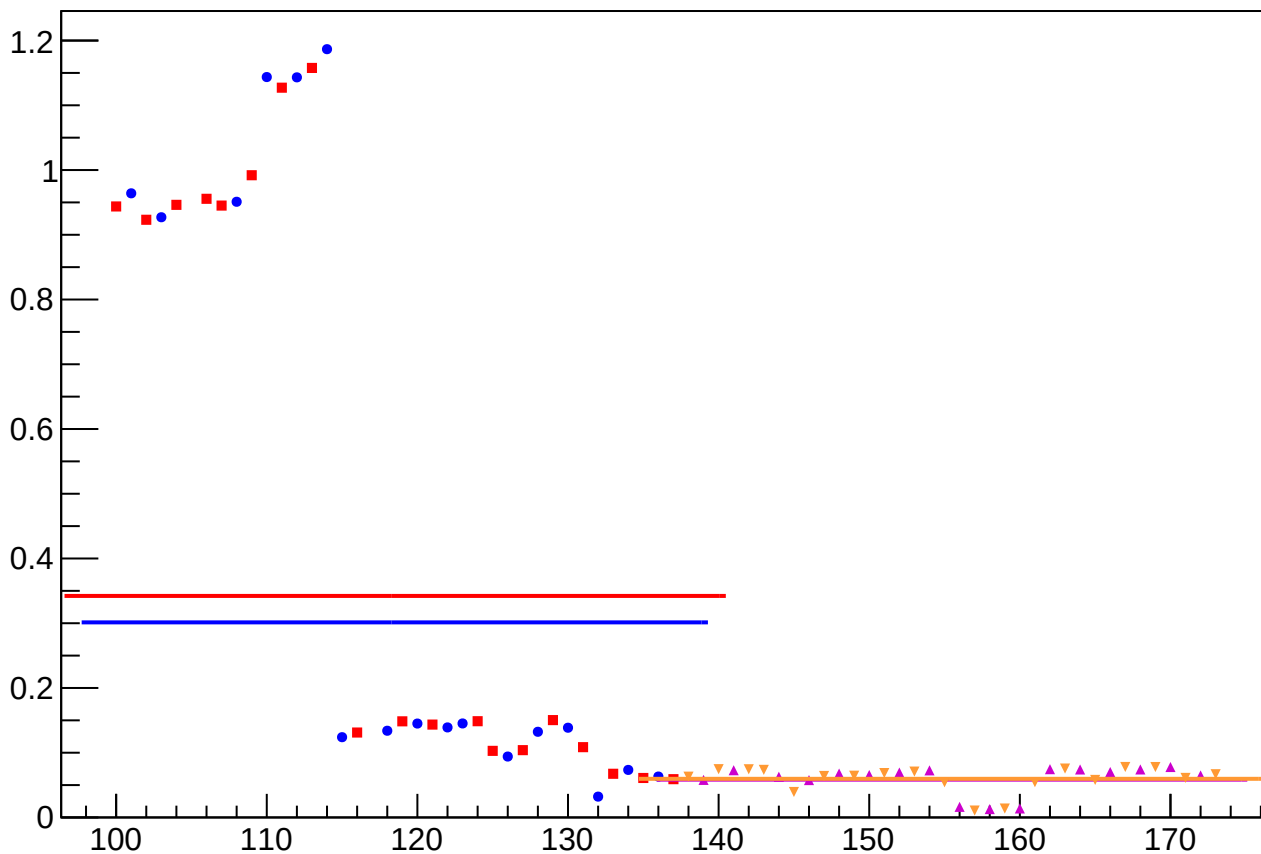
Right: 0.020+/-0.000 χ^2/NDF : 2624881.7/35

In: 0.019+/-0.000 χ^2/NDF : 1754050.2/33

Out: 0.019+/-0.000 χ^2/NDF : 1937704.7/37

All: 0.019+/-0.000 χ^2/NDF : 3693013.2/71

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.060+/-0.000 χ^2/NDF : 43927409.1/18

Right Out: 0.342+/-0.000 χ^2/NDF : 5442717599.3/18

Left In: 0.058+/-0.000 χ^2/NDF : 55135317.5/16

Left: 0.059+/-0.000 χ^2/NDF : 99159628.7/35

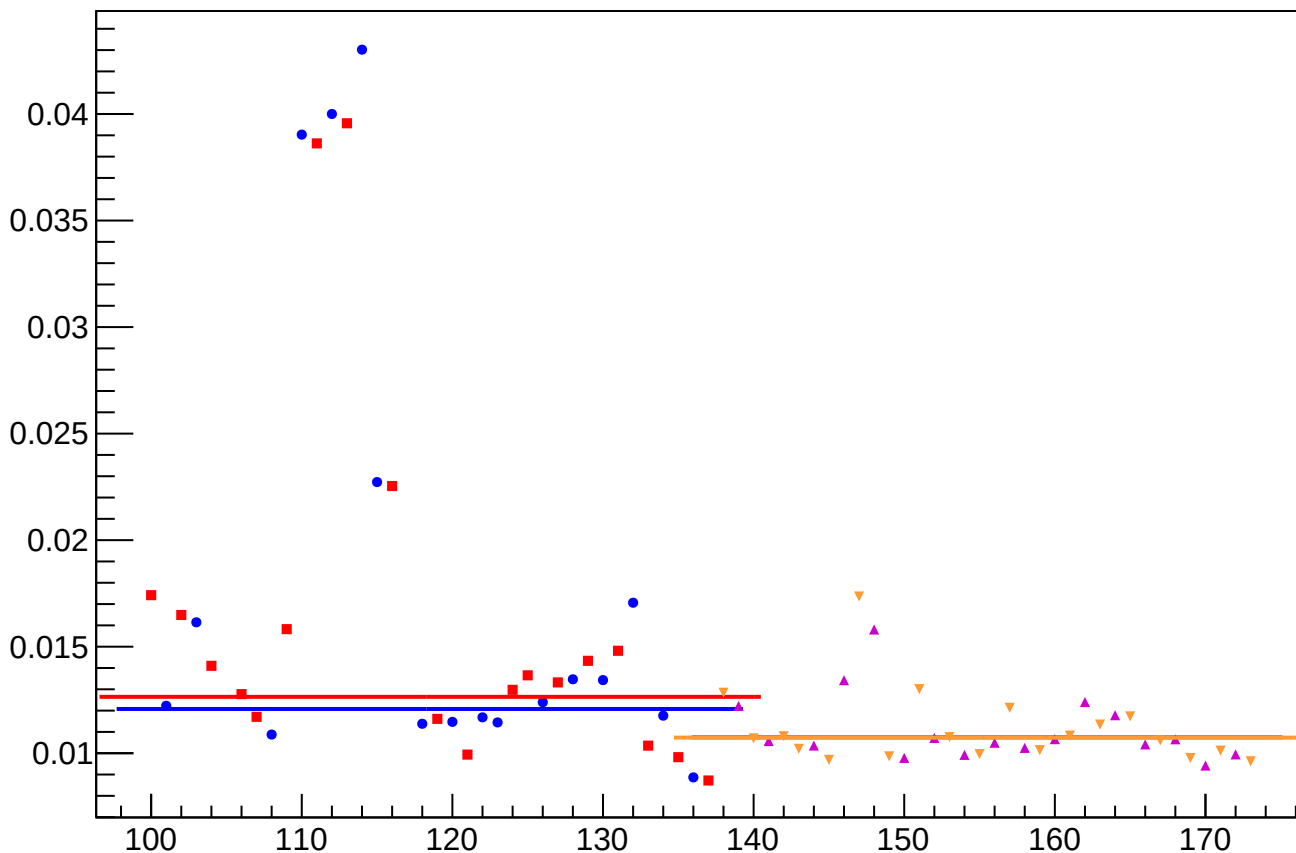
Right: 0.321+/-0.000 χ^2/NDF : 10628899850.1/35

In: 0.122+/-0.000 χ^2/NDF : 6886988807.5/33

Out: 0.127+/-0.000 χ^2/NDF : 7722979206.5/37

All: 0.124+/-0.000 χ^2/NDF : 14612074815.8/71

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1280342.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:421492.2/18

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1236084.9/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:349117.5/16

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 770631.9/35

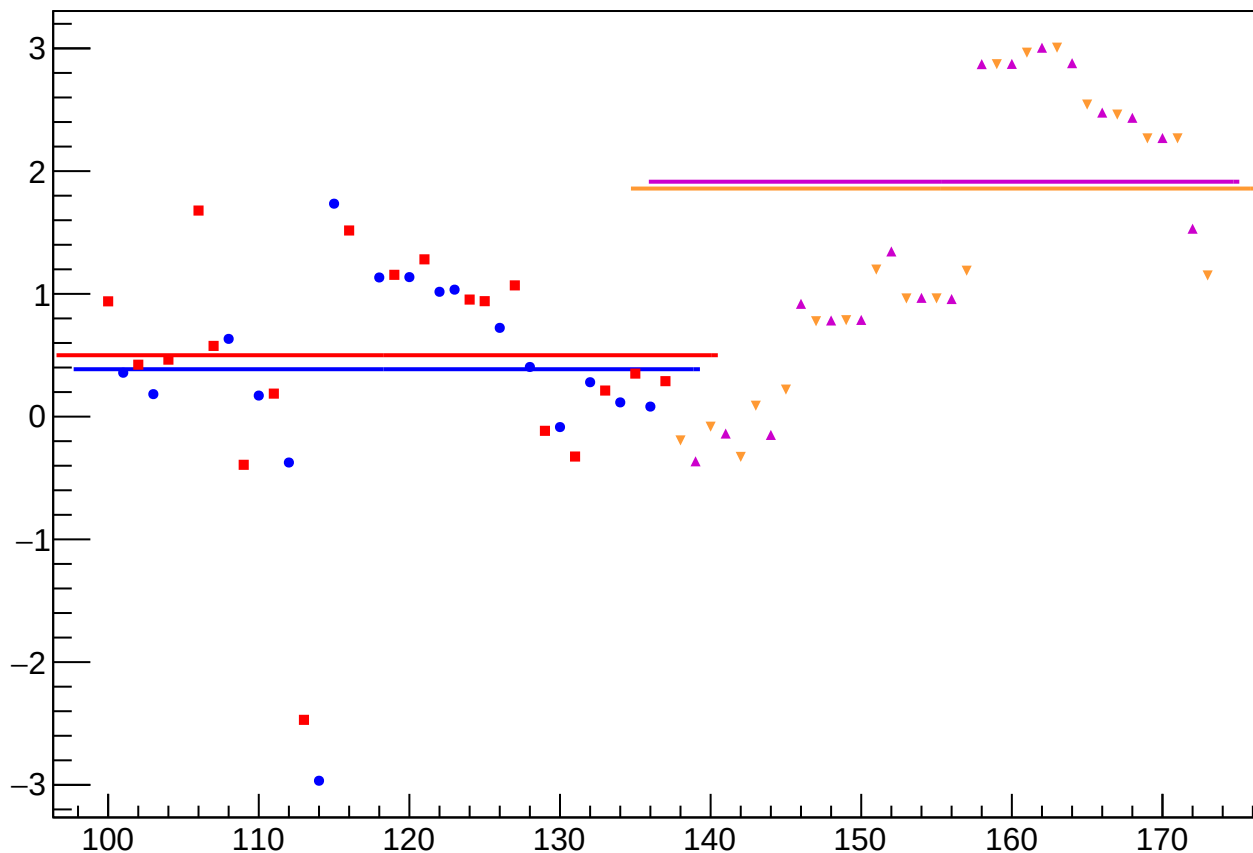
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2528646.1/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:1730055.7/33

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1863014.8/37

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3594441.7/71

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.858+/-0.000 χ^2/NDF : 28721221479.7/18

Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

Left In: 1.914+/-0.000 χ^2/NDF : 28570445537.0/16

Left: 1.886+/-0.000 χ^2/NDF : 57348775838.9/35

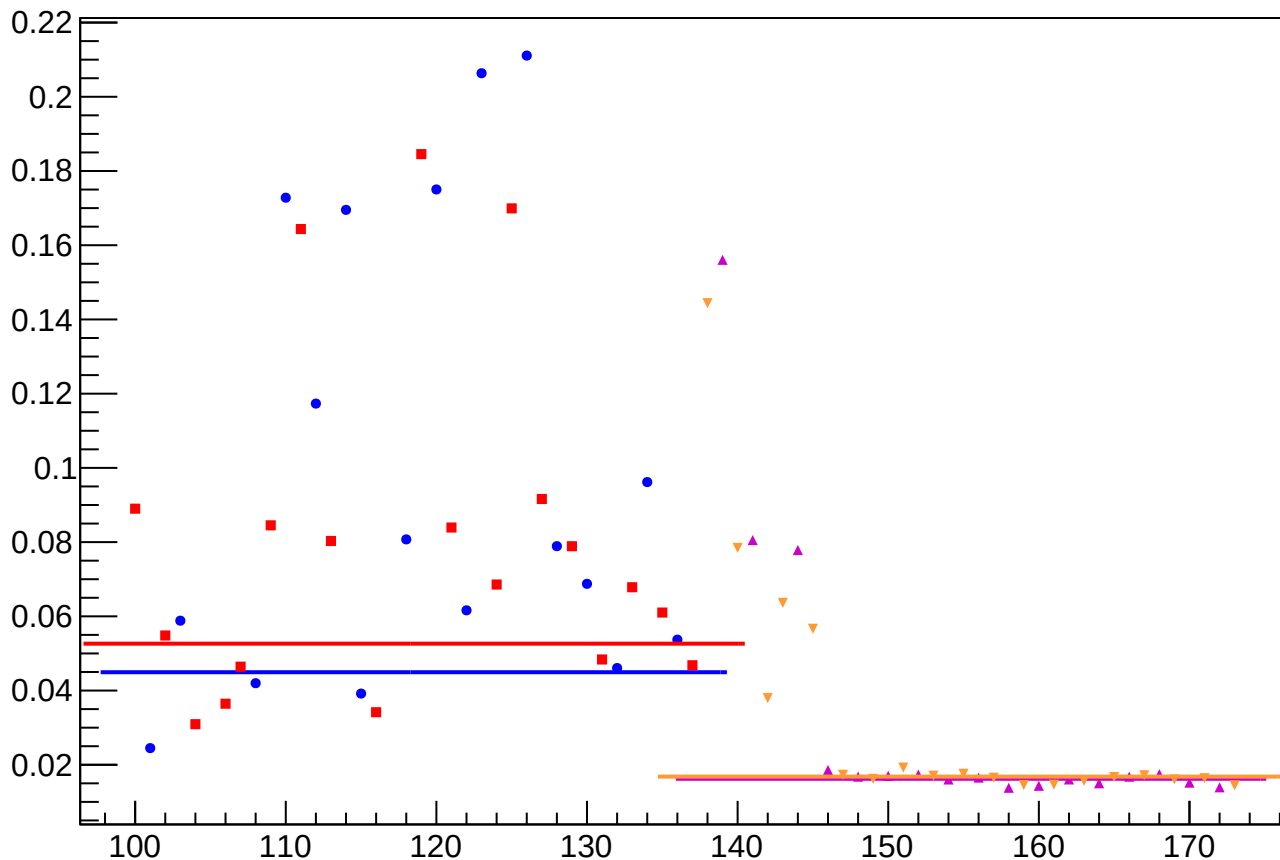
Right: 0.439+/-0.000 χ^2/NDF : 1240216918.3/35

In: 1.845+/-0.000 χ^2/NDF : 32710488990.2/33

Out: 1.805+/-0.000 χ^2/NDF : 32341823789.3/37

All: 1.825+/-0.000 χ^2/NDF : 65082672733.6/71

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045 $\pm$ 0.000 χ^2 /NDF: 2788348.6/16

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2778044.0/18

Right Out: 0.053 $\pm$ 0.000 χ^2 /NDF: 2191752.0/18

Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2449963.9/16

Left: 0.017 $\pm$ 0.000 χ^2 /NDF: 5240958.9/35

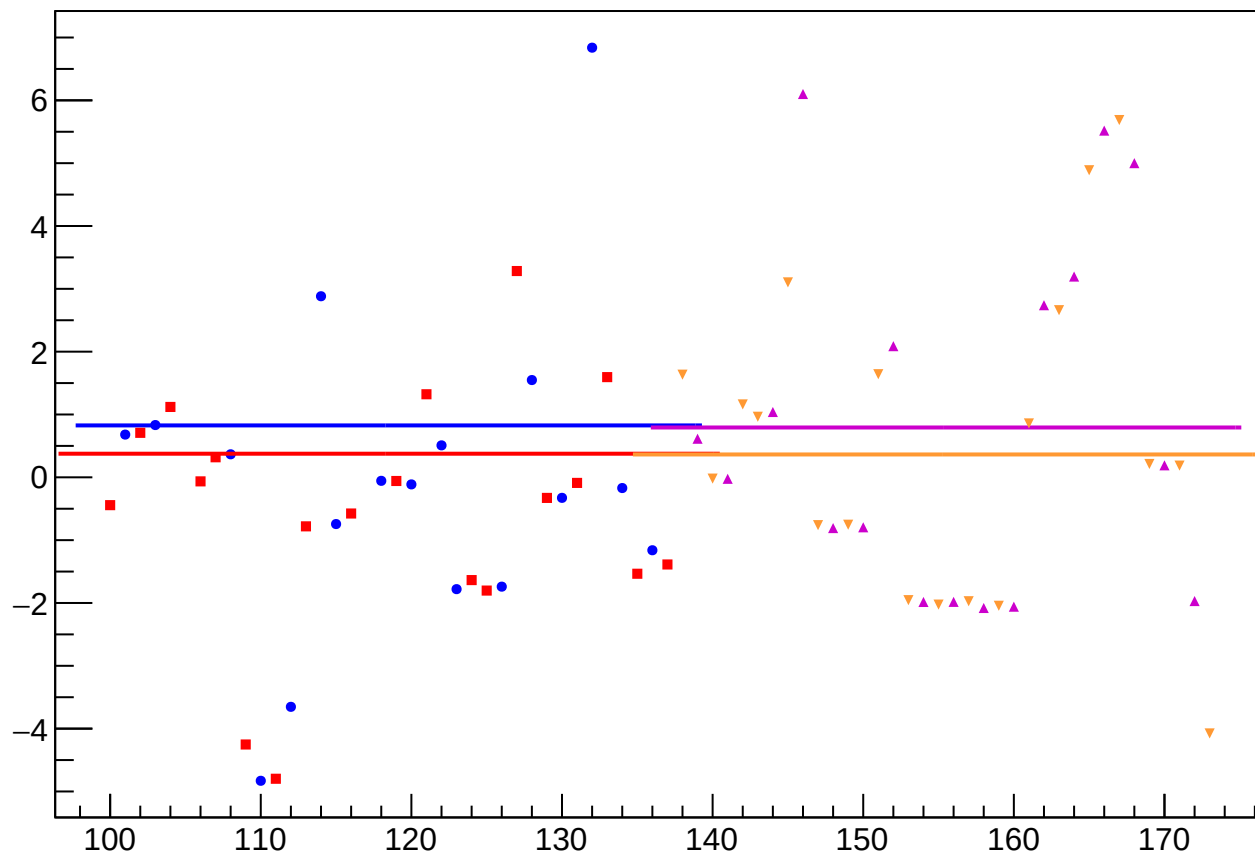
Right: 0.048 $\pm$ 0.000 χ^2 /NDF: 5075265.3/35

In: 0.018 $\pm$ 0.000 χ^2 /NDF:7990354.1/33

Out: 0.018 $\pm$ 0.000 χ^2 /NDF:8639796.9/37

All: 0.018 $\pm$ 0.000 χ^2 /NDF: 16648711.8/71

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826+/-0.000

χ^2/NDF : 10945455664.9/16

Left: 0.578+/-0.000 χ^2/NDF : 993438749112.7/35

Right: 0.614+/-0.000 χ^2/NDF : 16267855103.5/35

Left Out: 0.364+/-0.000

χ^2/NDF : 466601354169.4/18

In: 0.795+/-0.000 χ^2/NDF : 532289550341.0/33

Right Out: 0.376+/-0.000

χ^2/NDF : 4947158634.2/18

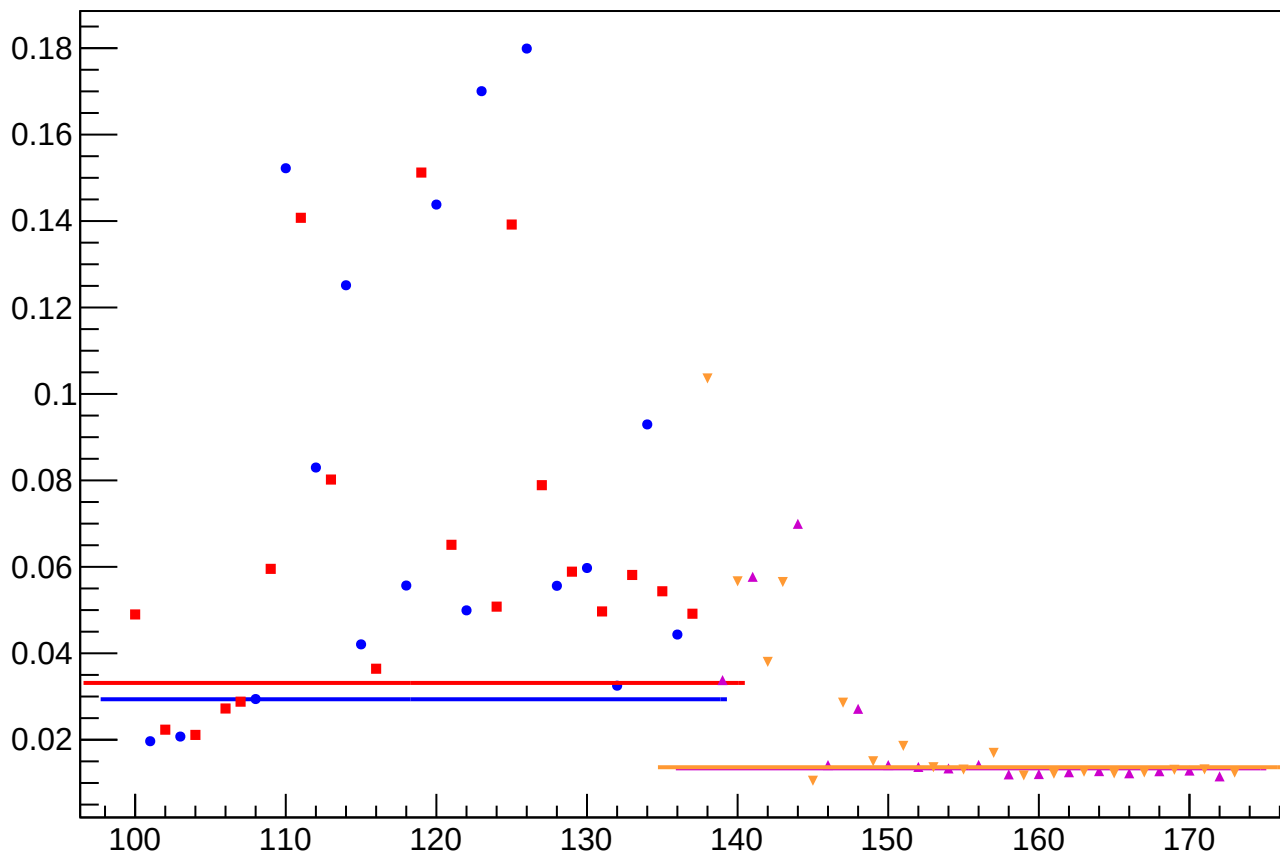
Out: 0.364+/-0.000 χ^2/NDF : 471548984744.3/37

Left In: 0.793+/-0.000

χ^2/NDF : 521340063488.1/16

All: 0.580+/-0.000 χ^2/NDF : 1009715696106.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029 $\pm$ 0.000 χ^2/NDF : 2987169.5/16

Left Out: 0.014 $\pm$ 0.000 χ^2/NDF :2861006.1/18

Right Out: 0.033 $\pm$ 0.000 χ^2/NDF : 3099105.0/18

Left In: 0.013 $\pm$ 0.000 χ^2/NDF :1932991.5/16

Left: 0.014 $\pm$ 0.000 χ^2/NDF : 4798002.8/35

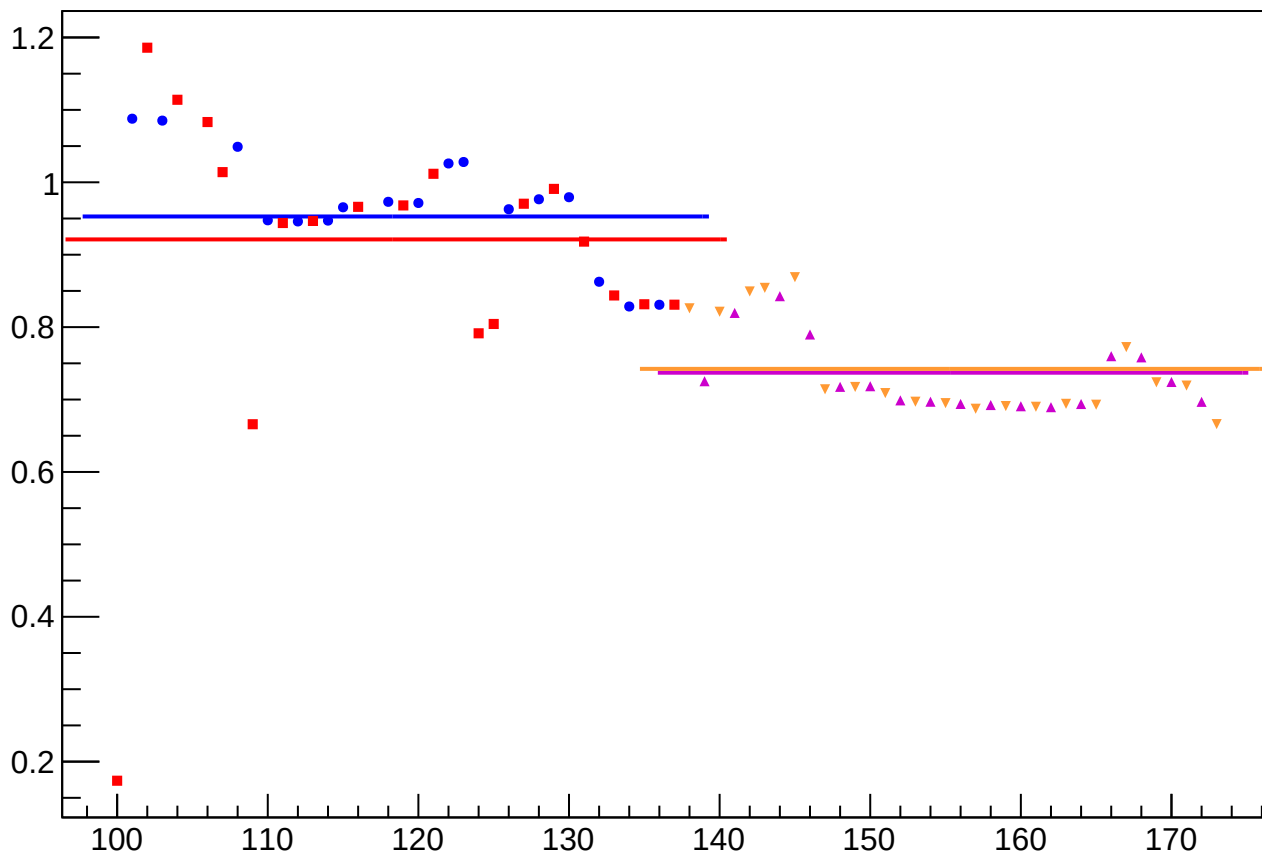
Right: 0.031 $\pm$ 0.000 χ^2/NDF : 6139085.6/35

In: 0.014 $\pm$ 0.000 χ^2/NDF :6805749.4/33

Out: 0.015 $\pm$ 0.000 χ^2/NDF :8470688.6/37

All: 0.015 $\pm$ 0.000 χ^2/NDF : 15284082.5/71

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.742+/-0.000 χ^2/NDF :289694478.0/18

Right Out: 0.921+/-0.000 χ^2/NDF : 374151585.5/18

Left In: 0.737+/-0.000 χ^2/NDF :164414287.9/16

Left: 0.740+/-0.000 χ^2/NDF : 455020421.4/35

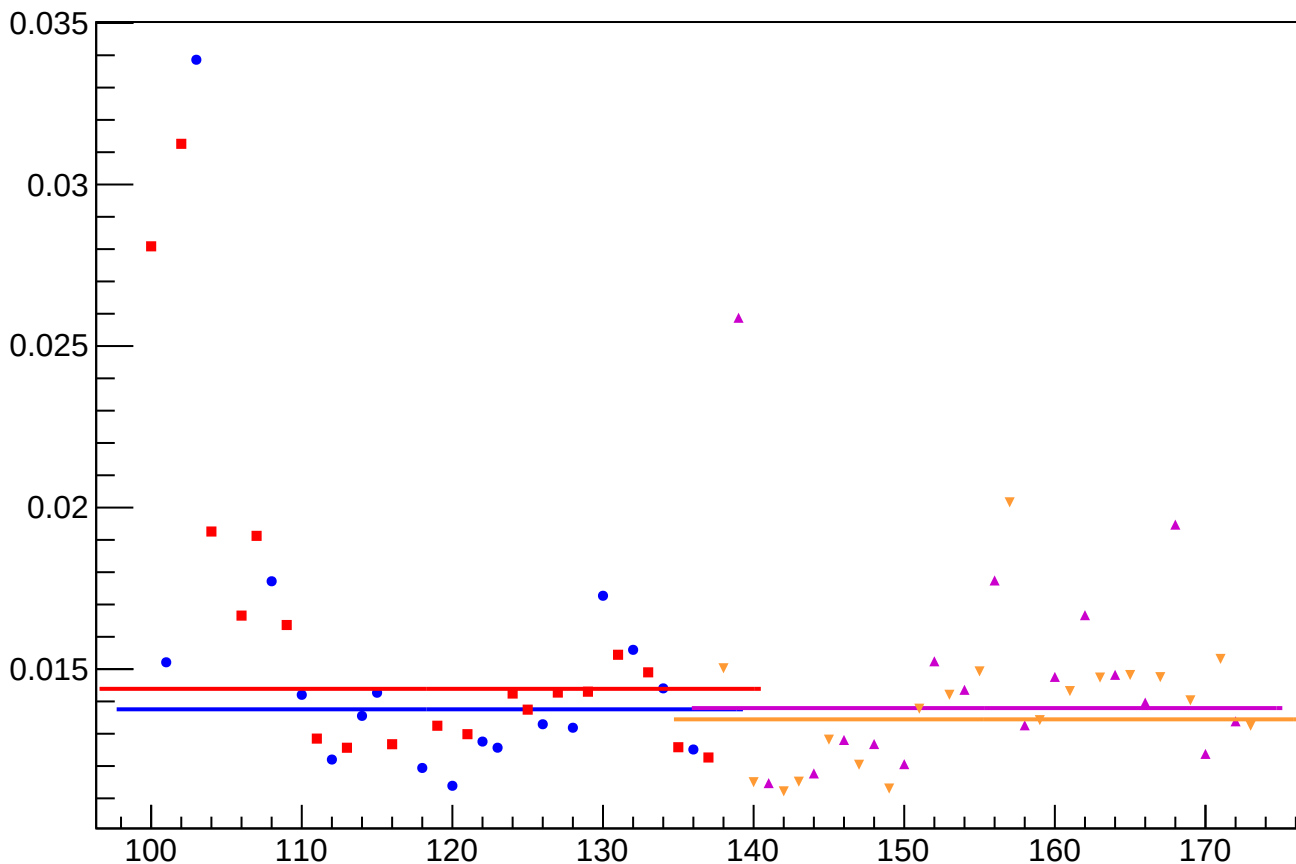
Right: 0.937+/-0.000 χ^2/NDF : 564889848.1/35

In: 0.809+/-0.000 χ^2/NDF :1286926451.2/33

Out: 0.796+/-0.000 χ^2/NDF :1320947727.8/37

All: 0.802+/-0.000 χ^2/NDF : 2615470996.6/71

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 538469.4/16

Left Out: 0.013+/-0.000 χ^2/NDF : 396367.7/18

Right Out: 0.014+/-0.000 χ^2/NDF : 503813.0/18

Left In: 0.014+/-0.000 χ^2/NDF : 752097.3/16

Left: 0.014+/-0.000 χ^2/NDF : 1156330.9/35

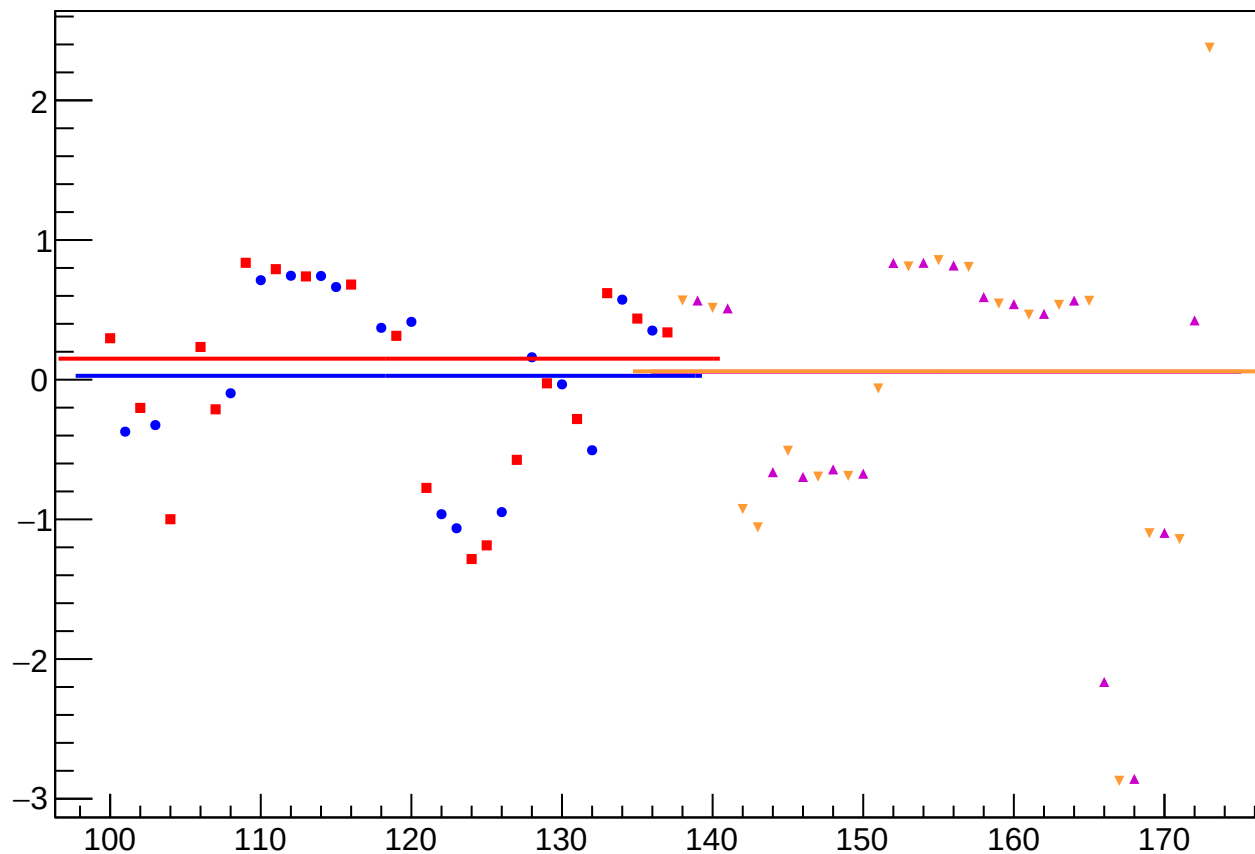
Right: 0.014+/-0.000 χ^2/NDF : 1054284.2/35

In: 0.014+/-0.000 χ^2/NDF : 1290625.6/33

Out: 0.014+/-0.000 χ^2/NDF : 936838.0/37

All: 0.014+/-0.000 χ^2/NDF : 2227730.6/71

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028 $\pm$ 0.000 χ^2 /NDF: 6276955529.7/16

Left Out: 0.060 $\pm$ 0.000 χ^2 /NDF: 94547773350.2/18

Right Out: 0.151 $\pm$ 0.000 χ^2 /NDF: 12653743155.9/18

Left In: 0.057 $\pm$ 0.000 χ^2 /NDF: 78662191277.1/16

Left: 0.058 $\pm$ 0.000 χ^2 /NDF: 173210350423.4/35

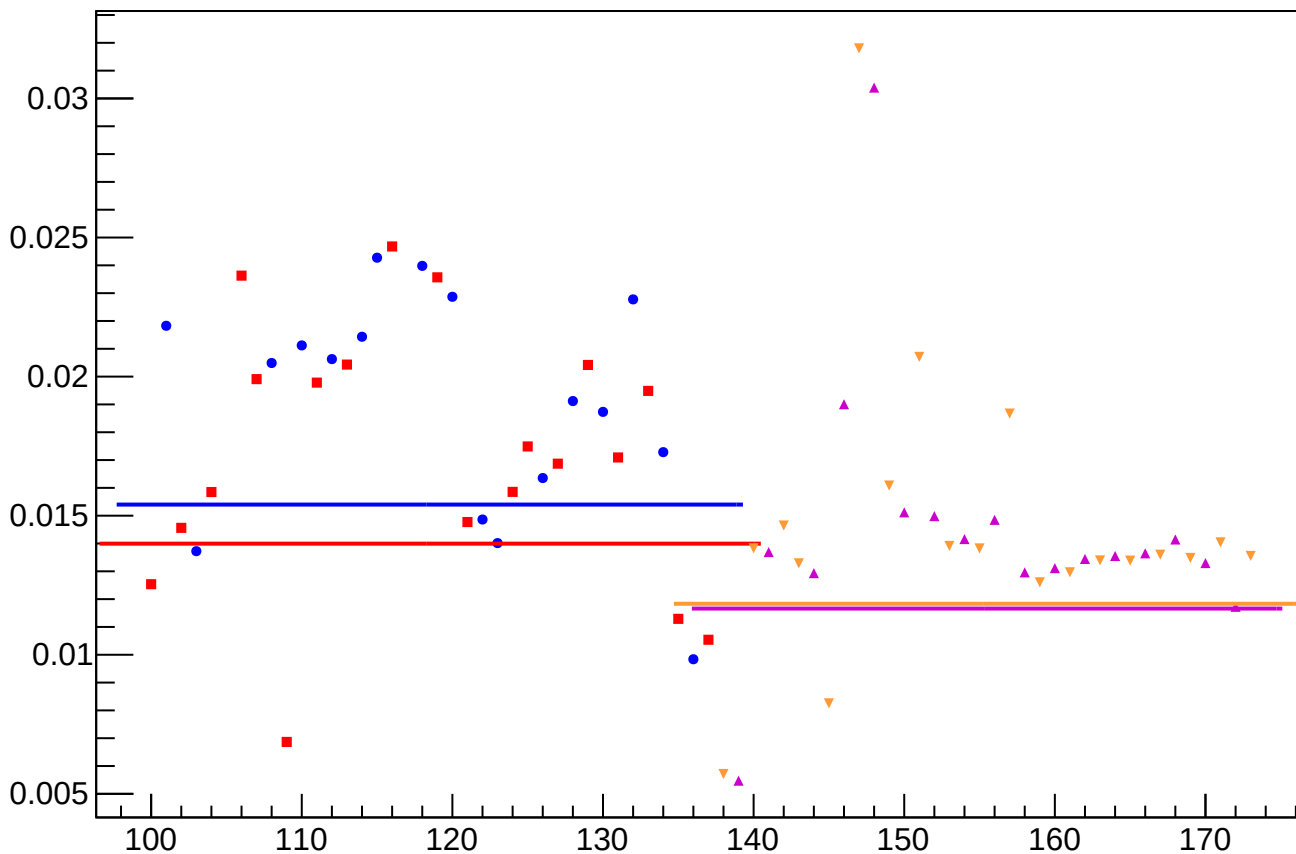
Right: 0.095 $\pm$ 0.000 χ^2 /NDF: 19125643372.9/35

In: 0.050 $\pm$ 0.000 χ^2 /NDF: 84954536479.1/33

Out: 0.083 $\pm$ 0.000 χ^2 /NDF: 107377931771.1/37

All: 0.067 $\pm$ 0.000 χ^2 /NDF: 192389510300.7

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF : 1141655.8/16

Left Out: 0.012+/-0.000 χ^2/NDF :3041593.5/18

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

Left In: 0.012+/-0.000 χ^2/NDF :3033045.2/16

Left: 0.012+/-0.000 χ^2/NDF : 6077138.6/35

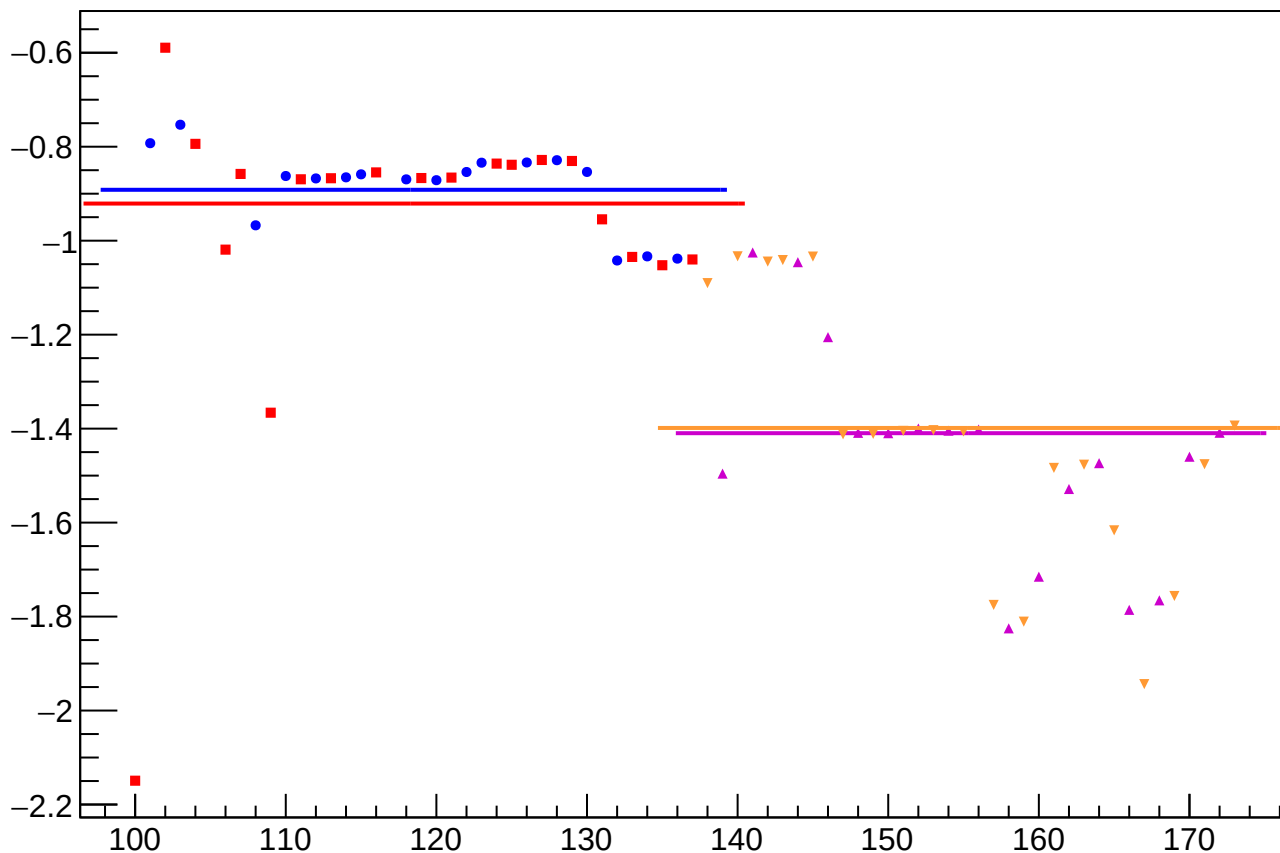
Right: 0.015+/-0.000 χ^2/NDF : 2754233.9/35

In: 0.012+/-0.000 χ^2/NDF :4687227.4/33

Out: 0.012+/-0.000 χ^2/NDF :4803127.8/37

All: 0.012+/-0.000 χ^2/NDF : 9492019.0/71

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892 ± 0.000 $\chi^2/\text{NDF}: 39793337.2/16$

Left Out: -1.399 ± 0.000 $\chi^2/\text{NDF}: 714306325.2/18$

Right Out: -0.921 ± 0.000 $\chi^2/\text{NDF}: 131159330.1/18$

Left In: -1.410 ± 0.000 $\chi^2/\text{NDF}: 511150899.8/16$

Left: -1.404 ± 0.000 $\chi^2/\text{NDF}: 1226061376.8/35$

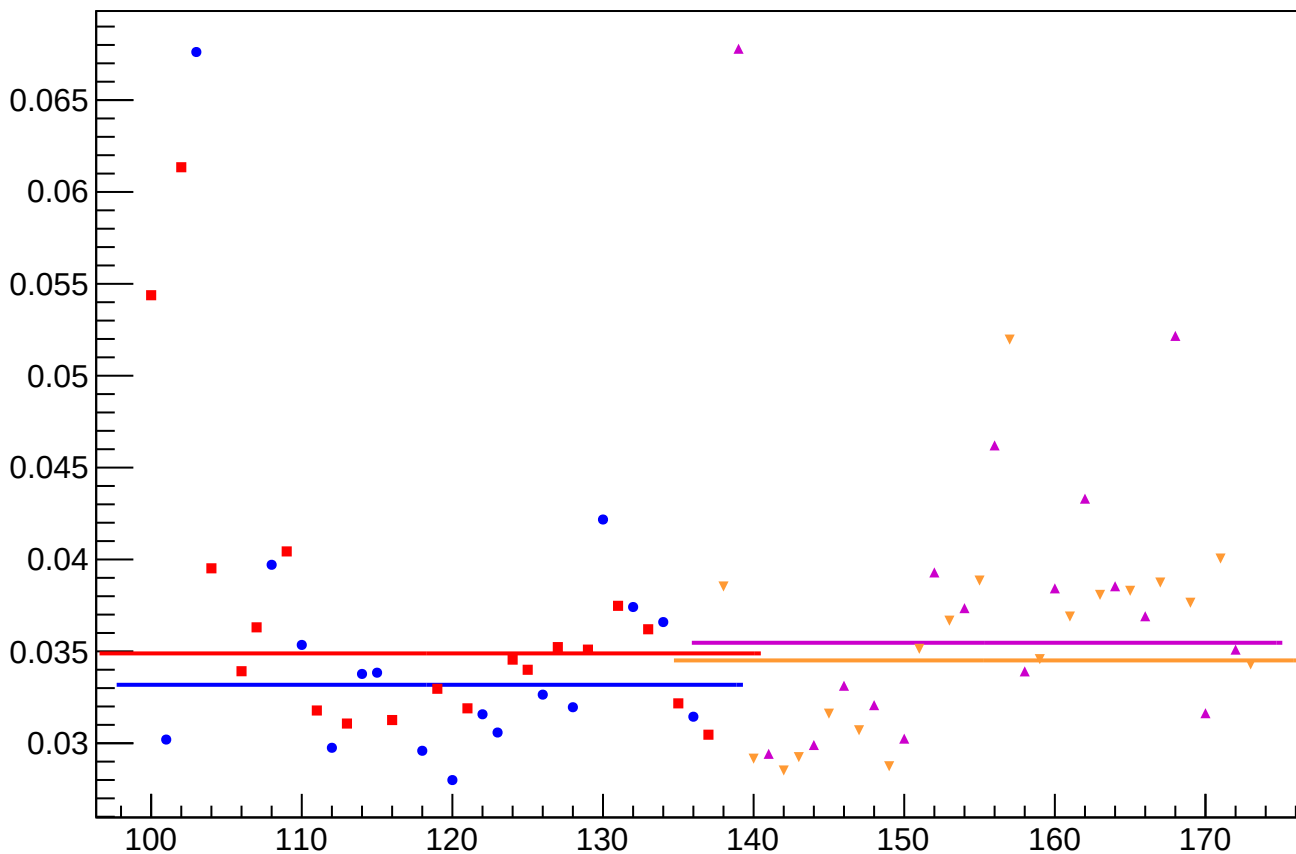
Right: -0.906 ± 0.000 $\chi^2/\text{NDF}: 173170801.3/35$

In: -1.221 ± 0.000 $\chi^2/\text{NDF}: 1450619991.9/33$

Out: -1.242 ± 0.000 $\chi^2/\text{NDF}: 1619028090.0/37$

All: -1.231 ± 0.000 $\chi^2/\text{NDF}: 3072948763.3/7$

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF : 400106.0/16

Left Out: 0.035+/-0.000 χ^2/NDF :451900.3/18

Right Out: 0.035+/-0.000 χ^2/NDF : 275013.9/18

Left In: 0.035+/-0.000 χ^2/NDF :836051.7/16

Left: 0.035+/-0.000 χ^2/NDF : 1296914.5/35

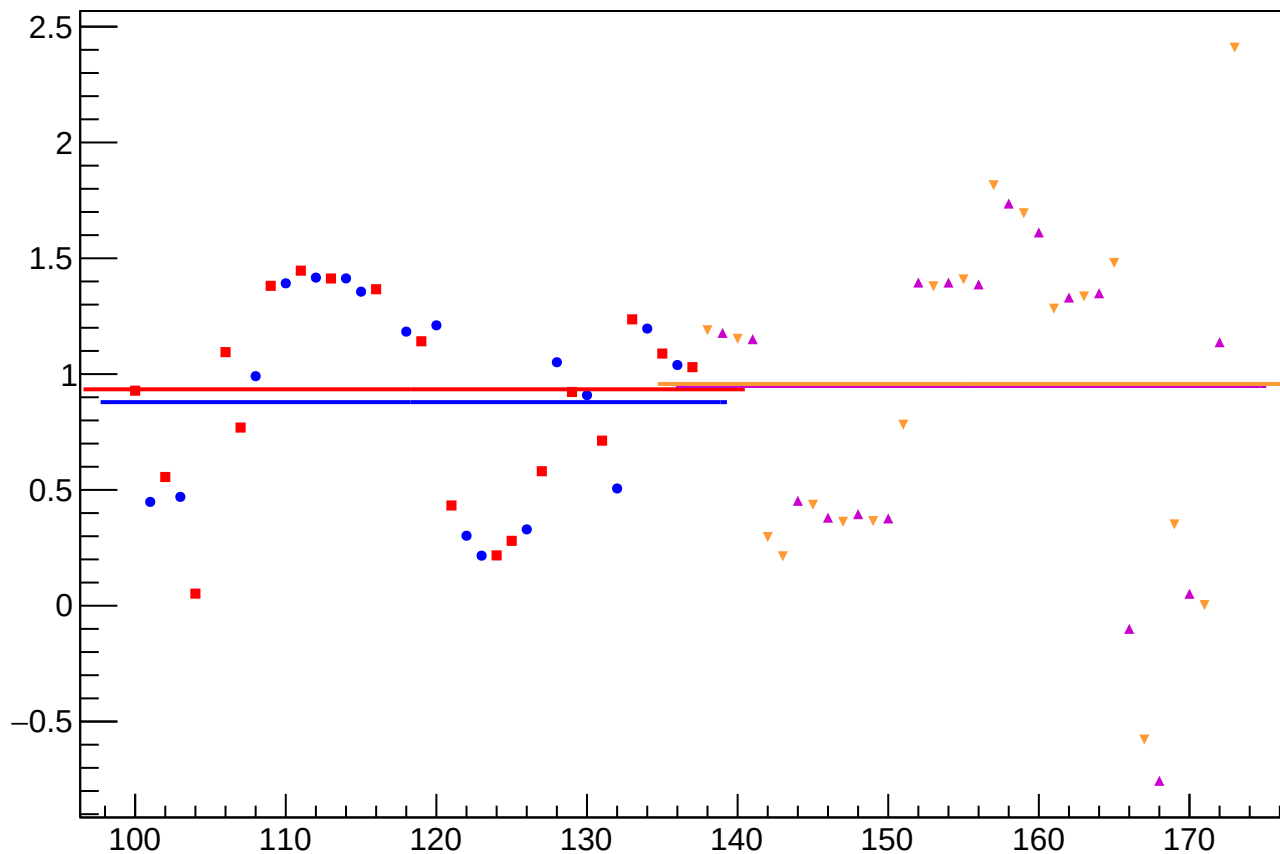
Right: 0.034+/-0.000 χ^2/NDF : 690186.6/35

In: 0.035+/-0.000 χ^2/NDF :1271227.7/33

Out: 0.035+/-0.000 χ^2/NDF :727901.4/37

All: 0.035+/-0.000 χ^2/NDF : 1999129.1/71

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879+/-0.000

χ^2/NDF : 6371602566.2/16

Left: 0.953+/-0.000

χ^2/NDF : 147305219786.7/35

Left Out: 0.957+/-0.000

χ^2/NDF : 81852952407.8/18

Right: 0.908+/-0.000

χ^2/NDF : 16282606826.3/35

Right Out: 0.934+/-0.000

χ^2/NDF : 9827120184.9/18

In: 0.931+/-0.000

χ^2/NDF : 72008098414.7/33

Out: 0.952+/-0.000

χ^2/NDF : 91702548989.9/37

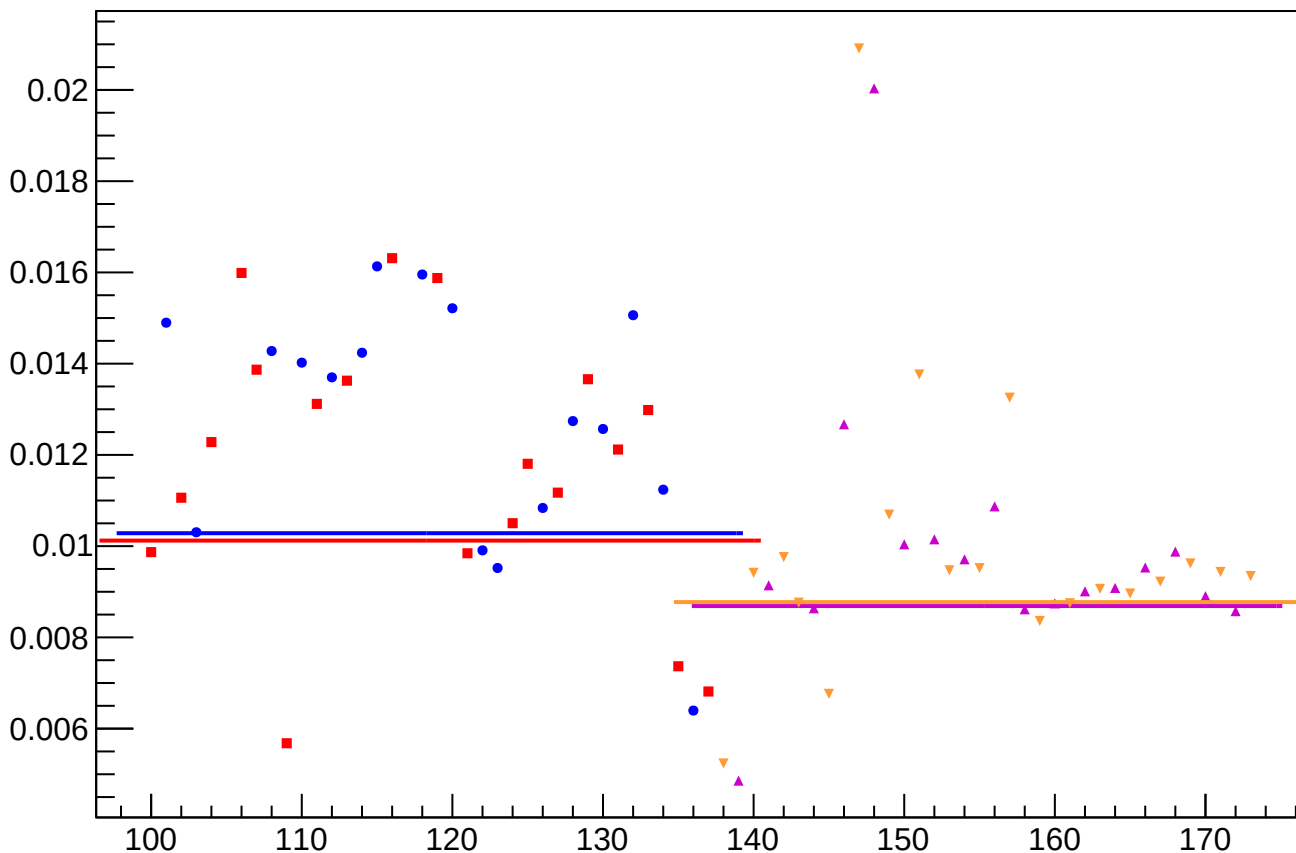
Left In: 0.949+/-0.000

χ^2/NDF : 65445963101.9/16

All: 0.942+/-0.000

χ^2/NDF : 163755693982.4

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 1207460.1/16

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:1694462.6/18

Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 1176642.1/18

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF:1654028.7/16

Left: 0.009 $\pm$ 0.000 χ^2 /NDF: 3349697.4/35

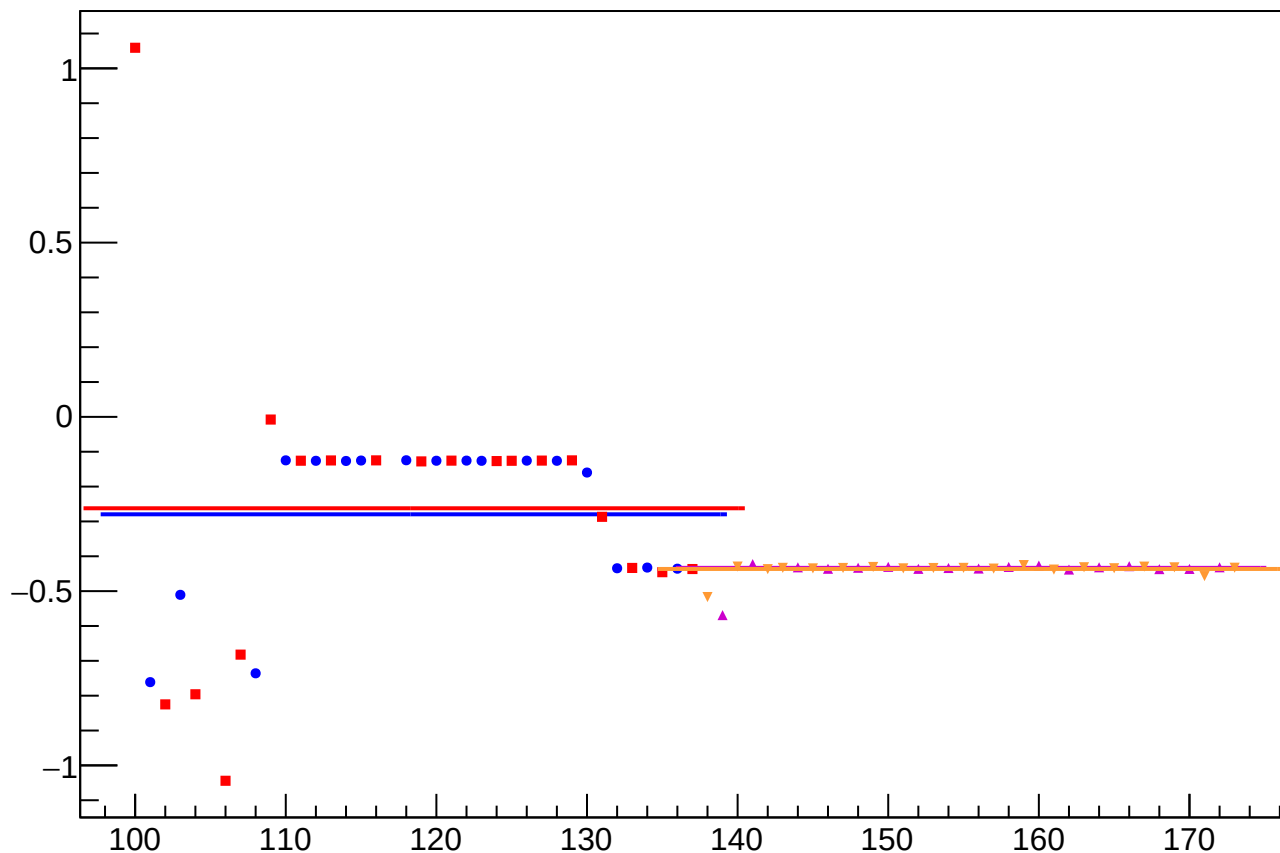
Right: 0.010 $\pm$ 0.000 χ^2 /NDF: 2385530.8/35

In: 0.009 $\pm$ 0.000 χ^2 /NDF:3062052.6/33

Out: 0.009 $\pm$ 0.000 χ^2 /NDF:3025170.1/37

All: 0.009 $\pm$ 0.000 χ^2 /NDF: 6087421.3/71

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280+/-0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.436+/-0.000 χ^2/NDF : 28737566.3/18

Right Out: -0.262+/-0.000 χ^2/NDF : 1006263824.6/18

Left In: -0.433+/-0.000 χ^2/NDF : 19814464.4/16

Left: -0.435+/-0.000 χ^2/NDF : 49124473.4/35

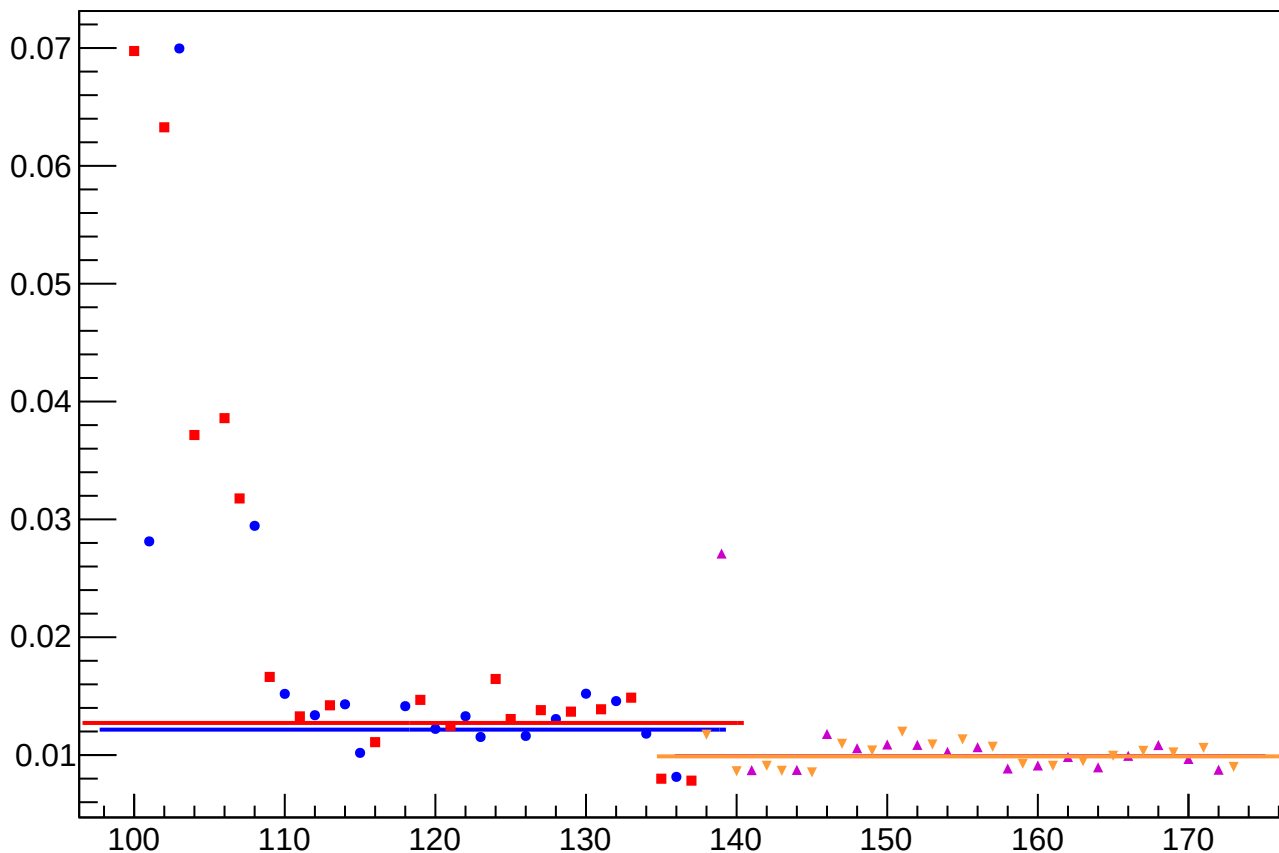
Right: -0.271+/-0.000 χ^2/NDF : 1940066892.0/35

In: -0.399+/-0.000 χ^2/NDF : 1528765058.7/33

Out: -0.402+/-0.000 χ^2/NDF : 1761820145.7/37

All: -0.401+/-0.000 χ^2/NDF : 3291125044.4/7

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:248570.5/18

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:763438.1/16

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 1012086.1/35

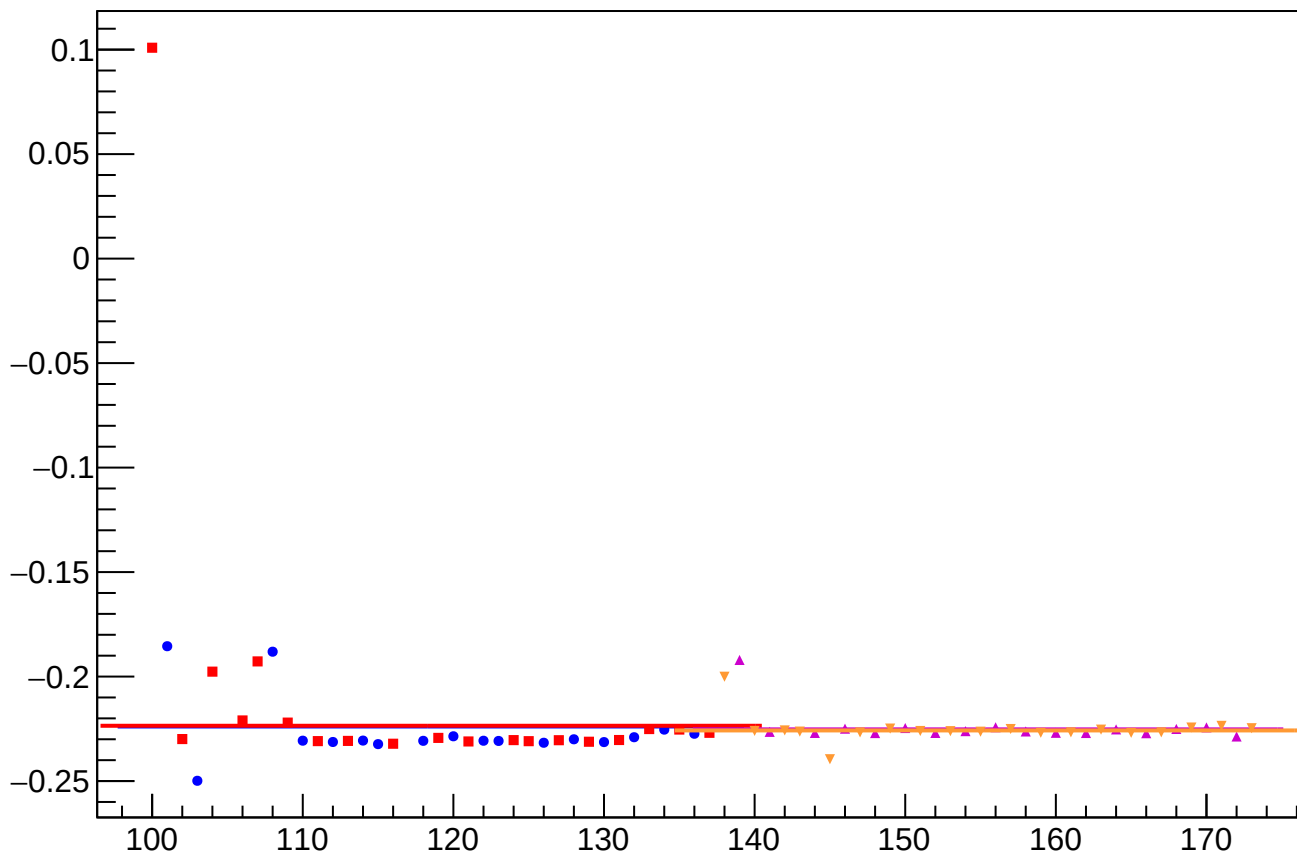
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3700041.2/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF:2732950.8/33

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:2601290.3/37

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5334459.2/71

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.224 ± 0.000 χ^2/NDF : 74600073.9/16

Left Out: -0.226 ± 0.000 χ^2/NDF : 20866686.6/18

Right Out: -0.224 ± 0.000 χ^2/NDF : 168124199.3/18

Left In: -0.225 ± 0.000 χ^2/NDF : 13173324.1/16

Left: -0.226 ± 0.000 χ^2/NDF : 34102844.0/35

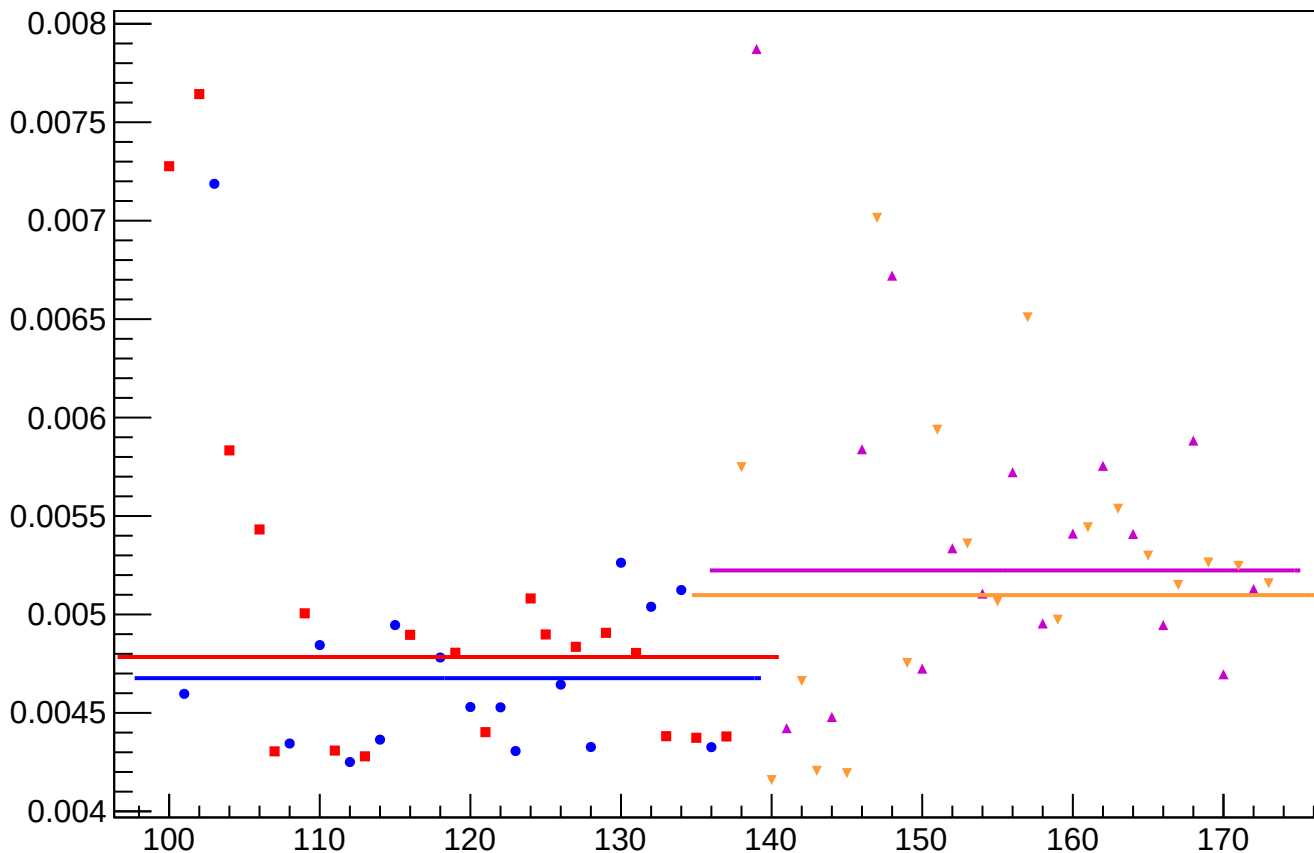
Right: -0.224 ± 0.000 χ^2/NDF : 242740169.2/35

In: -0.225 ± 0.000 χ^2/NDF : 88097926.0/33

Out: -0.225 ± 0.000 χ^2/NDF : 189887346.5/37

All: -0.225 ± 0.000 χ^2/NDF : 278007270.5/71

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 180780.8/16

Left Out: 0.005+/-0.000 χ^2/NDF : 452758.4/18

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

Left In: 0.005+/-0.000 χ^2/NDF : 436530.7/16

Left: 0.005+/-0.000 χ^2/NDF : 896807.8/35

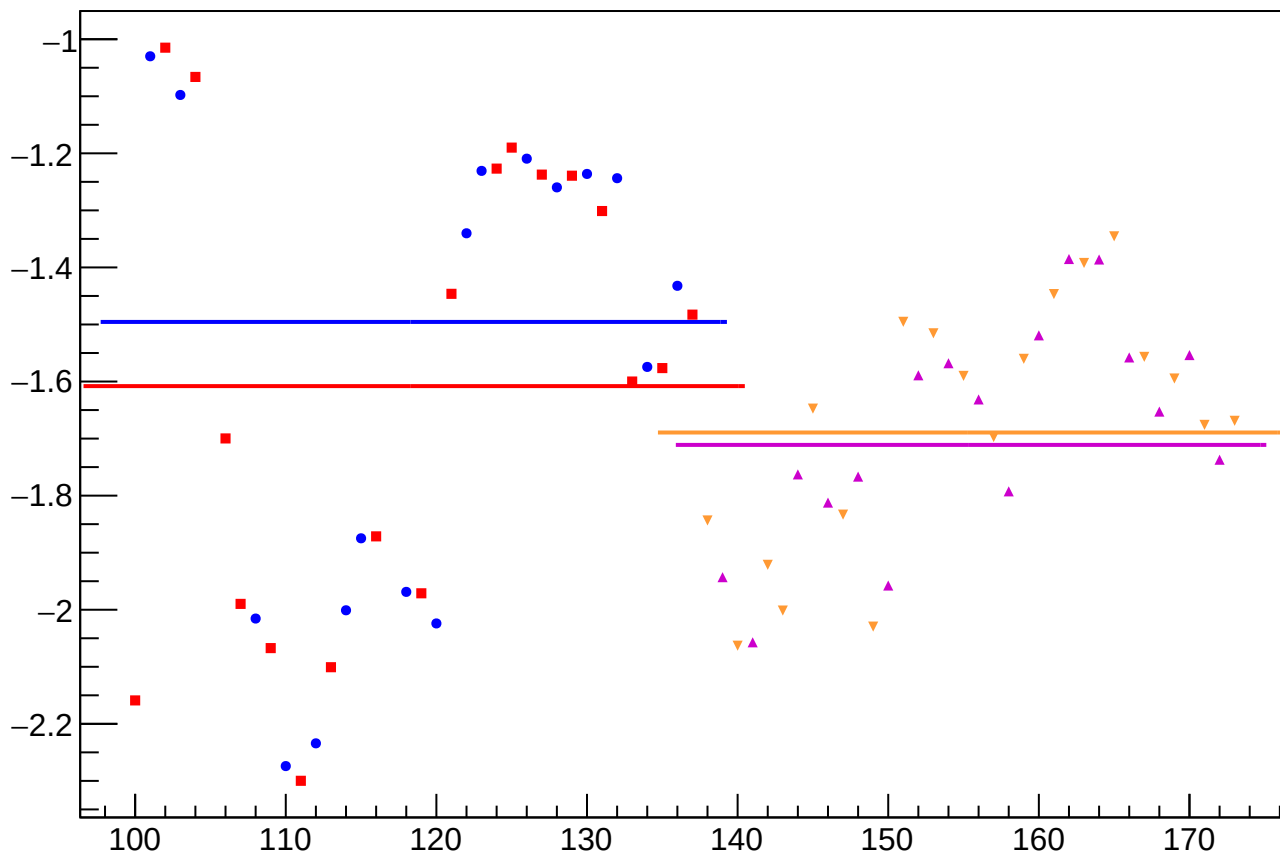
Right: 0.005+/-0.000 χ^2/NDF : 432242.2/35

In: 0.005+/-0.000 χ^2/NDF : 719461.1/33

Out: 0.005+/-0.000 χ^2/NDF : 736655.1/37

All: 0.005+/-0.000 χ^2/NDF : 1456824.6/71

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.689+/-0.000 χ^2/NDF : 15741319427.0/18

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

Left In: -1.711+/-0.000 χ^2/NDF : 11430979715.4/16

Left: -1.700+/-0.000 χ^2/NDF : 27251500662.8/35

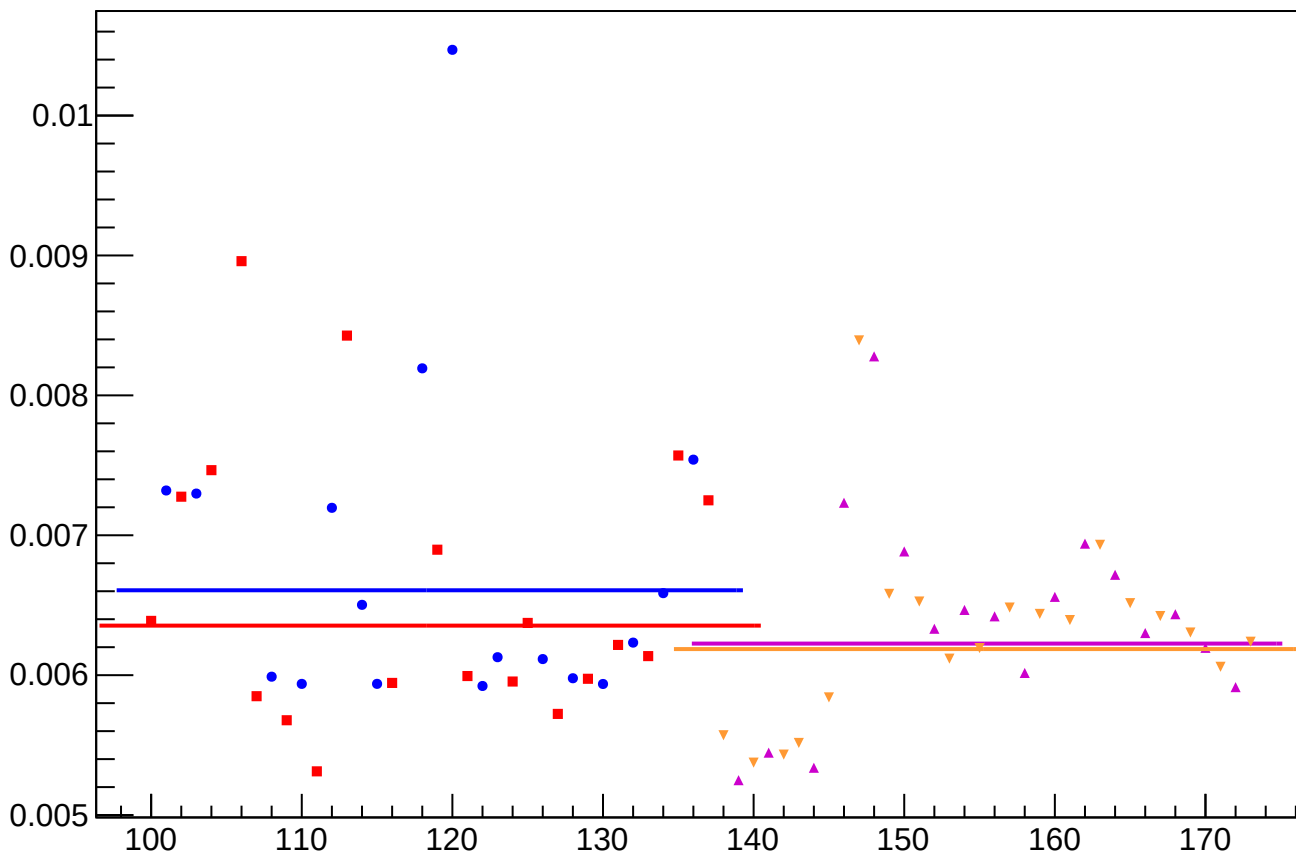
Right: -1.556+/-0.000 χ^2/NDF : 51308404748.0/35

In: -1.646+/-0.000 χ^2/NDF : 38439063391.1/33

Out: -1.664+/-0.000 χ^2/NDF : 44331011501.1/37

All: -1.655+/-0.000 χ^2/NDF : 82845662600.9/79

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006+/-0.000 χ^2/NDF :229732.7/18

Right Out: 0.006+/-0.000 χ^2/NDF : 227287.9/18

Left In: 0.006+/-0.000 χ^2/NDF :295331.7/16

Left: 0.006+/-0.000 χ^2/NDF : 525581.2/35

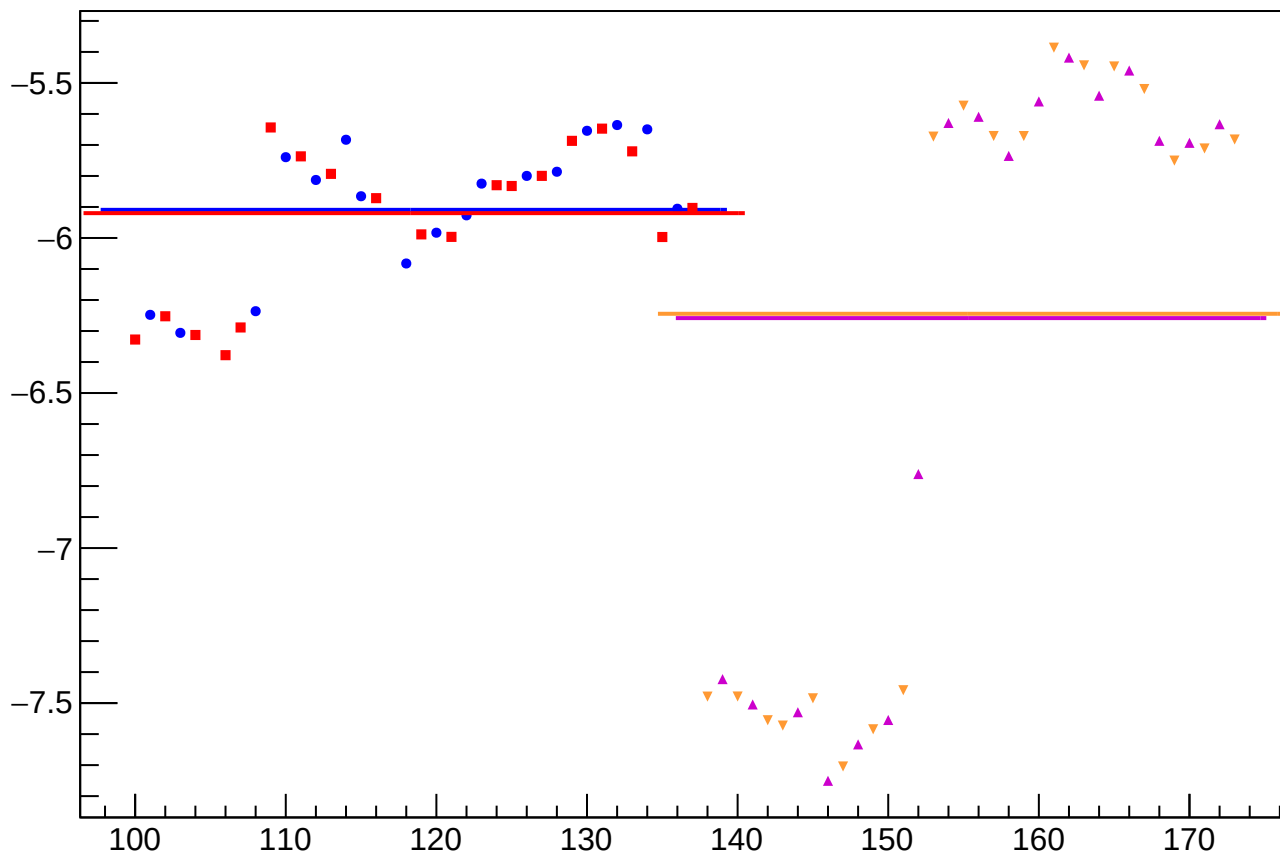
Right: 0.006+/-0.000 χ^2/NDF : 438183.3/35

In: 0.006+/-0.000 χ^2/NDF :524788.2/33

Out: 0.006+/-0.000 χ^2/NDF :463287.3/37

All: 0.006+/-0.000 χ^2/NDF : 993054.8/71

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909+/-0.000 χ^2/NDF : 11125163629.1/16

Left Out: -6.244+/-0.000 χ^2/NDF : 172272132489.2/18

Right Out: -5.920+/-0.000 χ^2/NDF : 12785272526.6/18

Left In: -6.258+/-0.000 χ^2/NDF : 145772895815.6/16

Left: -6.251+/-0.000 χ^2/NDF : 318063842765.0/35

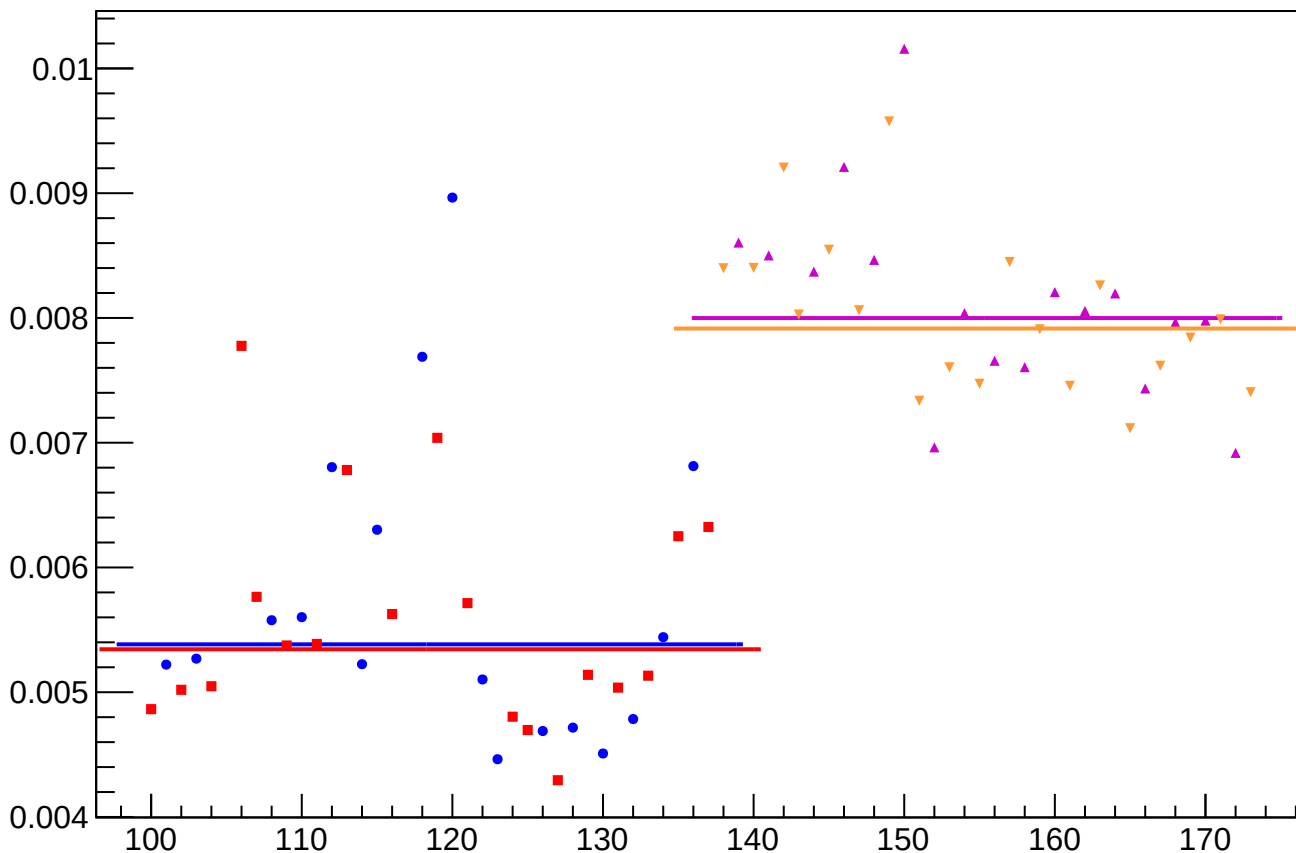
Right: -5.915+/-0.000 χ^2/NDF : 23922455242.5/35

In: -6.077+/-0.000 χ^2/NDF : 168710892596.3/33

Out: -6.074+/-0.000 χ^2/NDF : 196222751928.3/37

All: -6.075+/-0.000 χ^2/NDF : 364934761461.1

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :123594.3/18

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

Left In: 0.008+/-0.000 χ^2/NDF :188699.3/16

Left: 0.008+/-0.000 χ^2/NDF : 313656.2/35

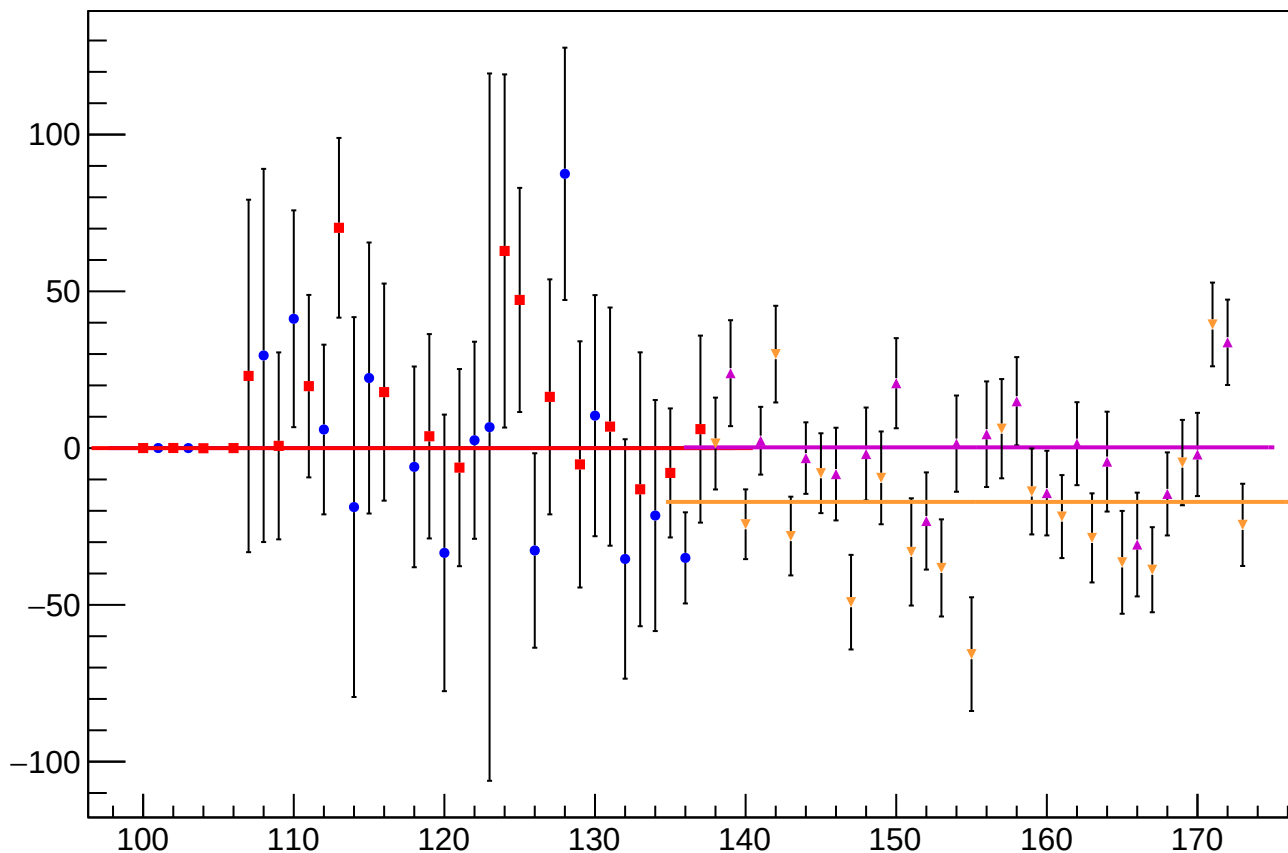
Right: 0.005+/-0.000 χ^2/NDF : 592657.5/35

In: 0.007+/-0.000 χ^2/NDF :1862267.5/33

Out: 0.007+/-0.000 χ^2/NDF :1769753.9/37

All: 0.007+/-0.000 χ^2/NDF : 3634028.2/71

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.017 χ^2/NDF : 15.8/16

Left Out: -17.156+/-3.245 χ^2/NDF : 53.4/18

Right Out: -0.003+/-0.016 χ^2/NDF : 15.3/18

Left In: 0.242+/-3.405 χ^2/NDF : 20.0/16

Left: -8.876+/-2.349 χ^2/NDF : 87.1/35

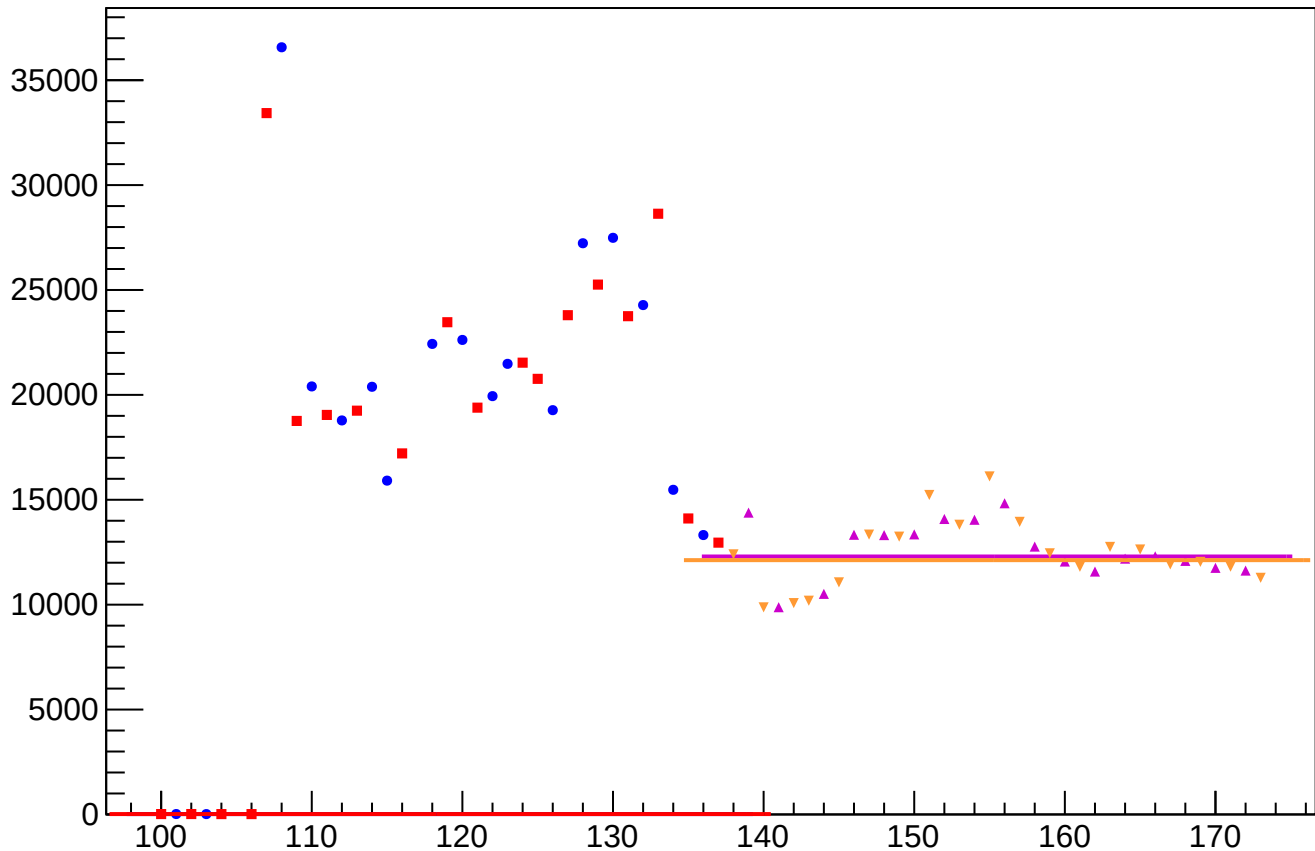
Right: 0.004+/-0.012 χ^2/NDF : 31.6/35

In: 0.013+/-0.017 χ^2/NDF : 35.8/33

Out: -0.004+/-0.016 χ^2/NDF : 96.6/37

All: 0.004+/-0.012 χ^2/NDF : 132.9/71

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641 ± 0.012 $\chi^2/\text{NDF}: 10841561.4/16$

Left Out: 12121.848 ± 2.294 $\chi^2/\text{NDF}: 434834.4/18$

Right Out: 18.311 ± 0.011 $\chi^2/\text{NDF}: 11103320.8/18$

Left In: 12295.973 ± 2.408 $\chi^2/\text{NDF}: 325093.7/16$

Left: 12204.716 ± 1.661 $\chi^2/\text{NDF}: 762669.6/35$

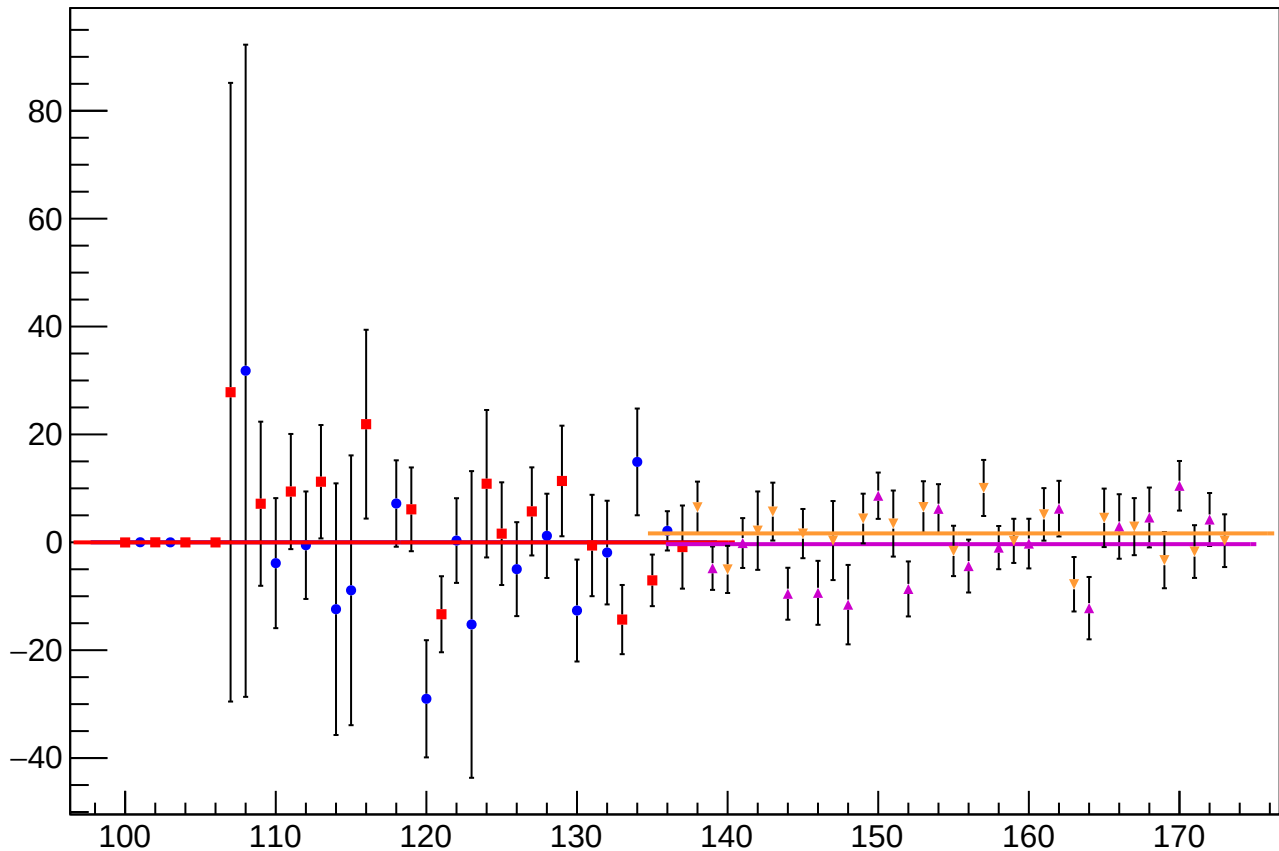
Right: 18.464 ± 0.008 $\chi^2/\text{NDF}: 21945270.7/35$

In: 18.959 ± 0.012 $\chi^2/\text{NDF}: 37171328.5/33$

Out: 18.608 ± 0.011 $\chi^2/\text{NDF}: 39370196.2/37$

All: 18.770 ± 0.008 $\chi^2/\text{NDF}: 76541964.9/71$

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 1.651 $\pm$ 1.156 χ^2 /NDF:14.5/18

Right Out: -0.014 $\pm$ 0.009 χ^2 /NDF: 18.4/18

Left In: -0.344 $\pm$ 1.189 χ^2 /NDF:32.7/16

Left: 0.682 $\pm$ 0.829 χ^2 /NDF: 48.6/35

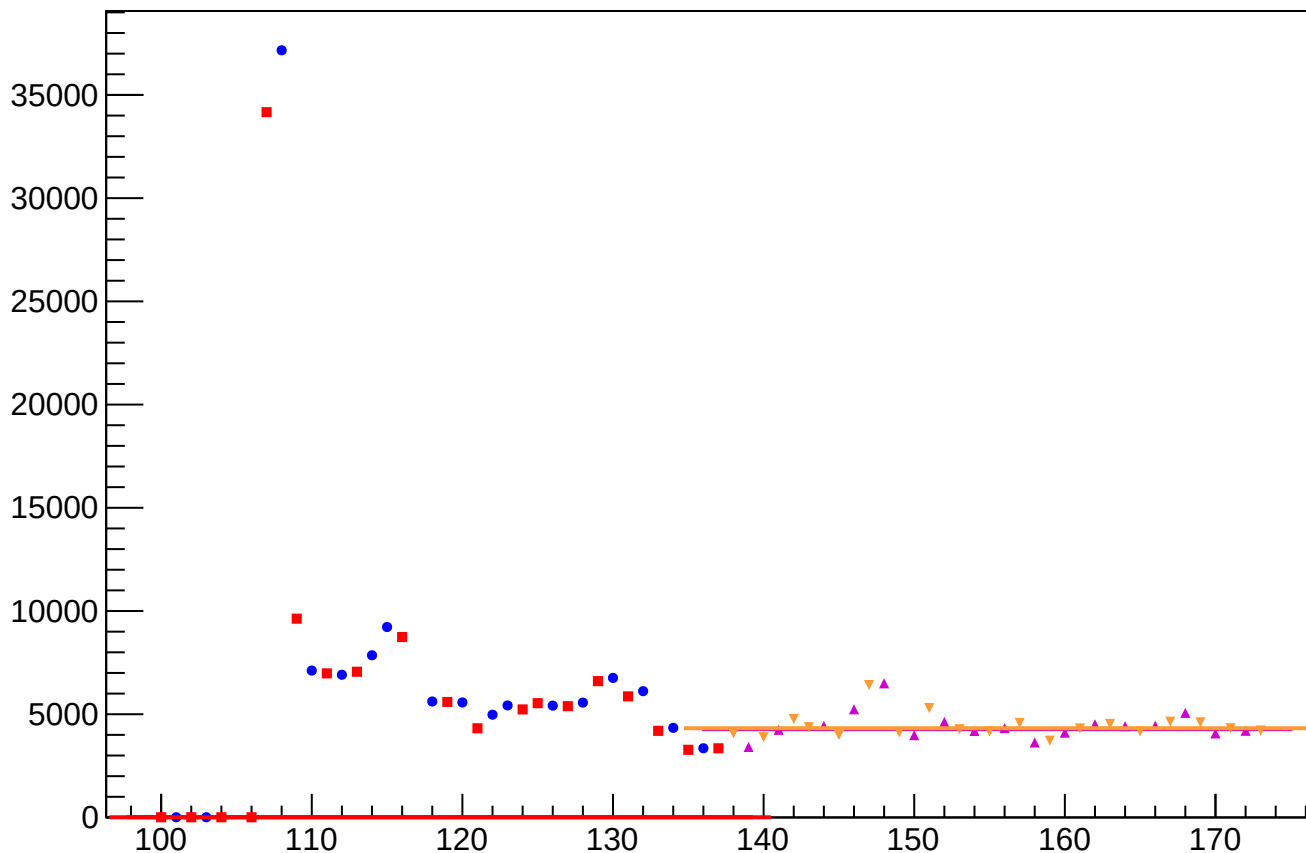
Right: -0.007 $\pm$ 0.006 χ^2 /NDF: 34.7/35

In: 0.001 $\pm$ 0.009 χ^2 /NDF:47.6/33

Out: -0.014 $\pm$ 0.009 χ^2 /NDF:35.0/37

All: -0.007 $\pm$ 0.006 χ^2 /NDF: 84.0/71

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938+/-0.007 χ^2/NDF : 10973577.1/16

Left Out: 4322.425+/-0.817 χ^2/NDF : 330476.9/18

Right Out: 9.854+/-0.006 χ^2/NDF : 11152667.7/18

Left In: 4275.594+/-0.841 χ^2/NDF : 454778.1/16

Left: 4299.674+/-0.586 χ^2/NDF : 786849.9/35

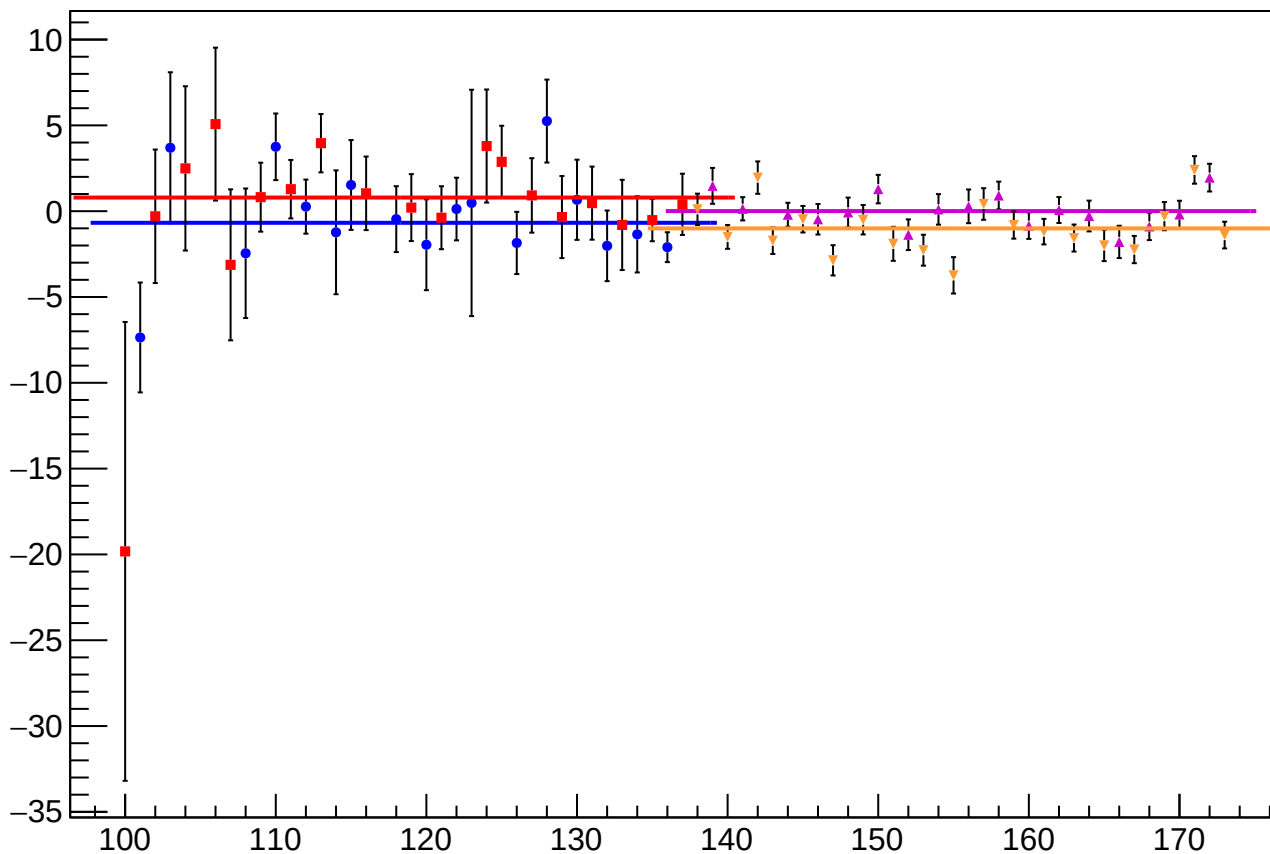
Right: 9.894+/-0.004 χ^2/NDF : 22126332.7/35

In: 10.193+/-0.007 χ^2/NDF : 37160419.3/33

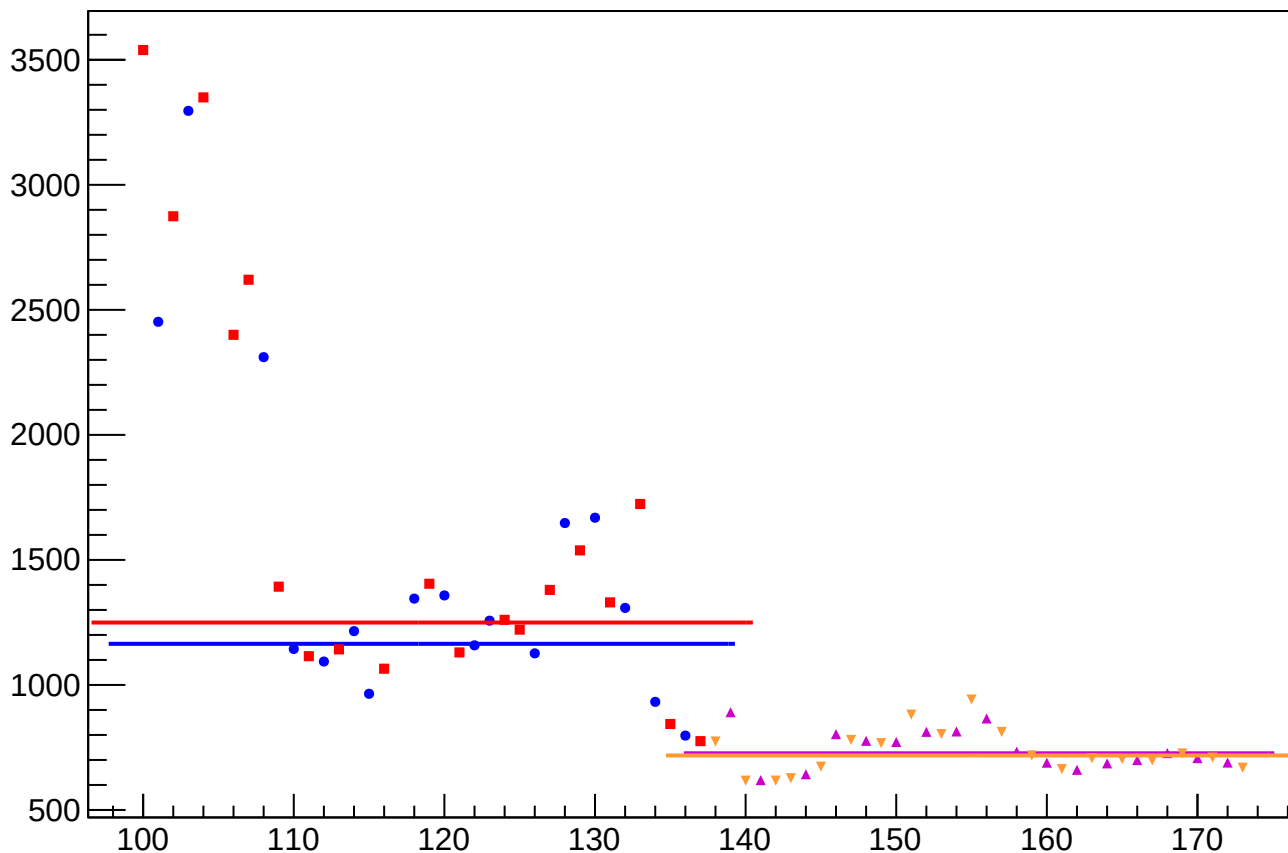
Out: 10.096+/-0.006 χ^2/NDF : 39321621.5/37

All: 10.142+/-0.004 χ^2/NDF : 76482160.2/71

diff_cav4cX_mean vs Slug, Sign Corrected



diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 ± 0.342 $\chi^2/\text{NDF}: 1584212.9/16$

Left Out: 717.969 ± 0.136 $\chi^2/\text{NDF}: 326951.8/18$

Right Out: 1249.596 ± 0.354 $\chi^2/\text{NDF}: 1650133.1/18$

Left In: 726.717 ± 0.142 $\chi^2/\text{NDF}: 264893.9/16$

Left: 722.138 ± 0.098 $\chi^2/\text{NDF}: 593829.9/35$

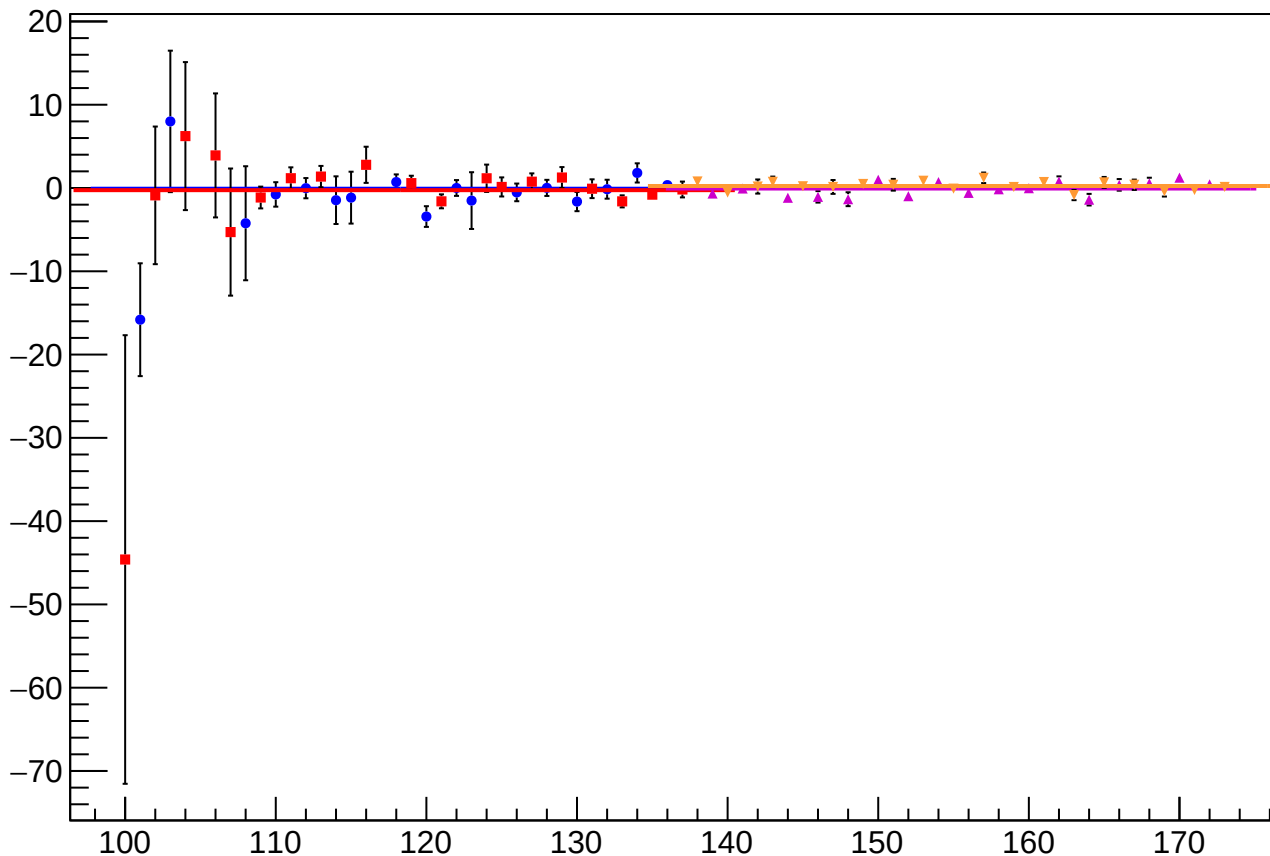
Right: 1205.546 ± 0.246 $\chi^2/\text{NDF}: 3264193.7/35$

In: 791.045 ± 0.131 $\chi^2/\text{NDF}: 3243873.4/33$

Out: 785.814 ± 0.127 $\chi^2/\text{NDF}: 3939408.7/37$

All: 788.336 ± 0.091 $\chi^2/\text{NDF}: 7184104.9/71$

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.241 ± 0.139 χ^2/NDF : 14.1/18

Right Out: -0.259 ± 0.264 χ^2/NDF : 20.4/18

Left In: -0.064 ± 0.143 χ^2/NDF : 32.2/16

Left: 0.094 ± 0.100 χ^2/NDF : 48.6/35

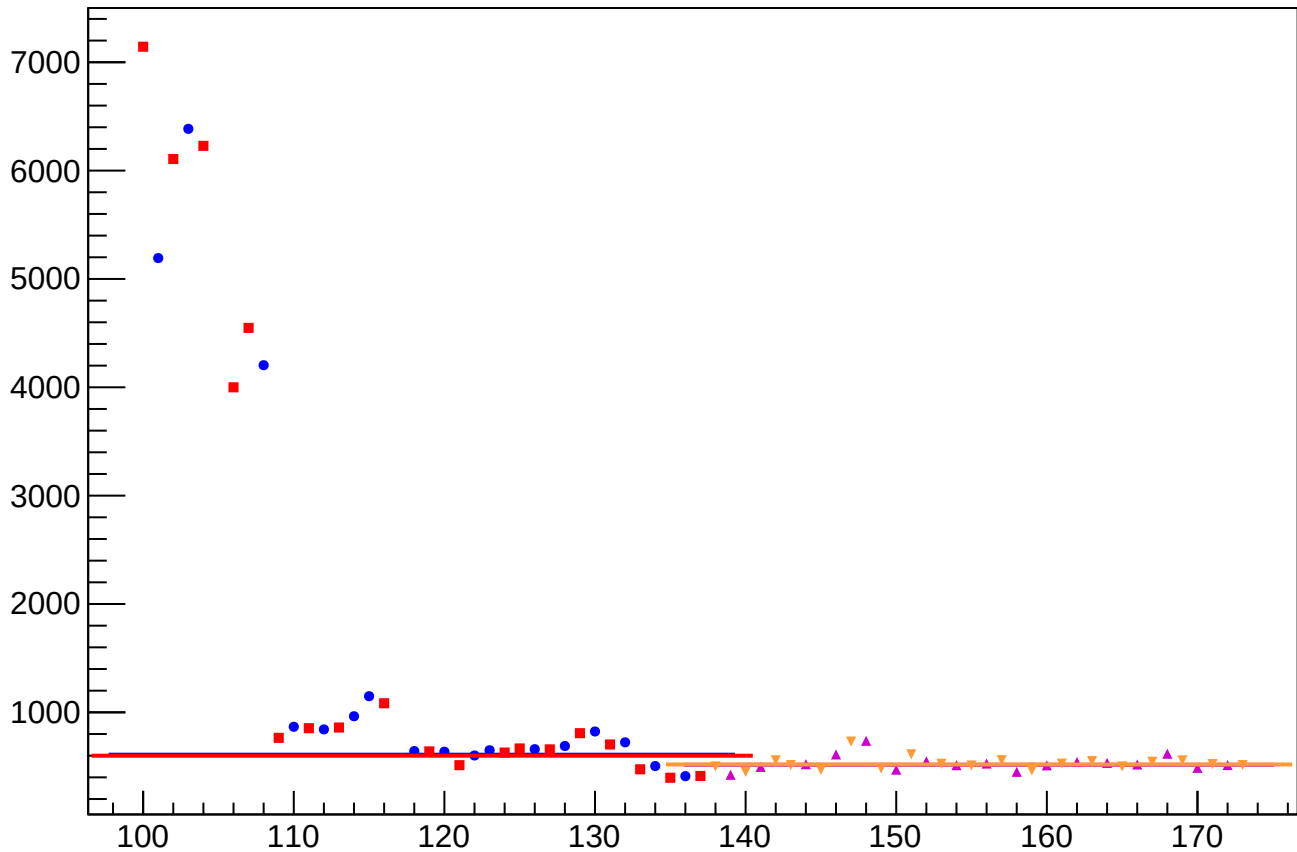
Right: -0.174 ± 0.189 χ^2/NDF : 41.7/35

In: -0.069 ± 0.126 χ^2/NDF : 53.2/33

Out: 0.133 ± 0.123 χ^2/NDF : 37.4/37

All: 0.035 ± 0.088 χ^2/NDF : 91.9/71

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 518.927 $\pm$ 0.098 χ^2 /NDF: 282406.0/18

Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

Left In: 515.752 $\pm$ 0.101 χ^2 /NDF: 362406.1/16

Left: 517.391 $\pm$ 0.070 χ^2 /NDF: 645320.1/35

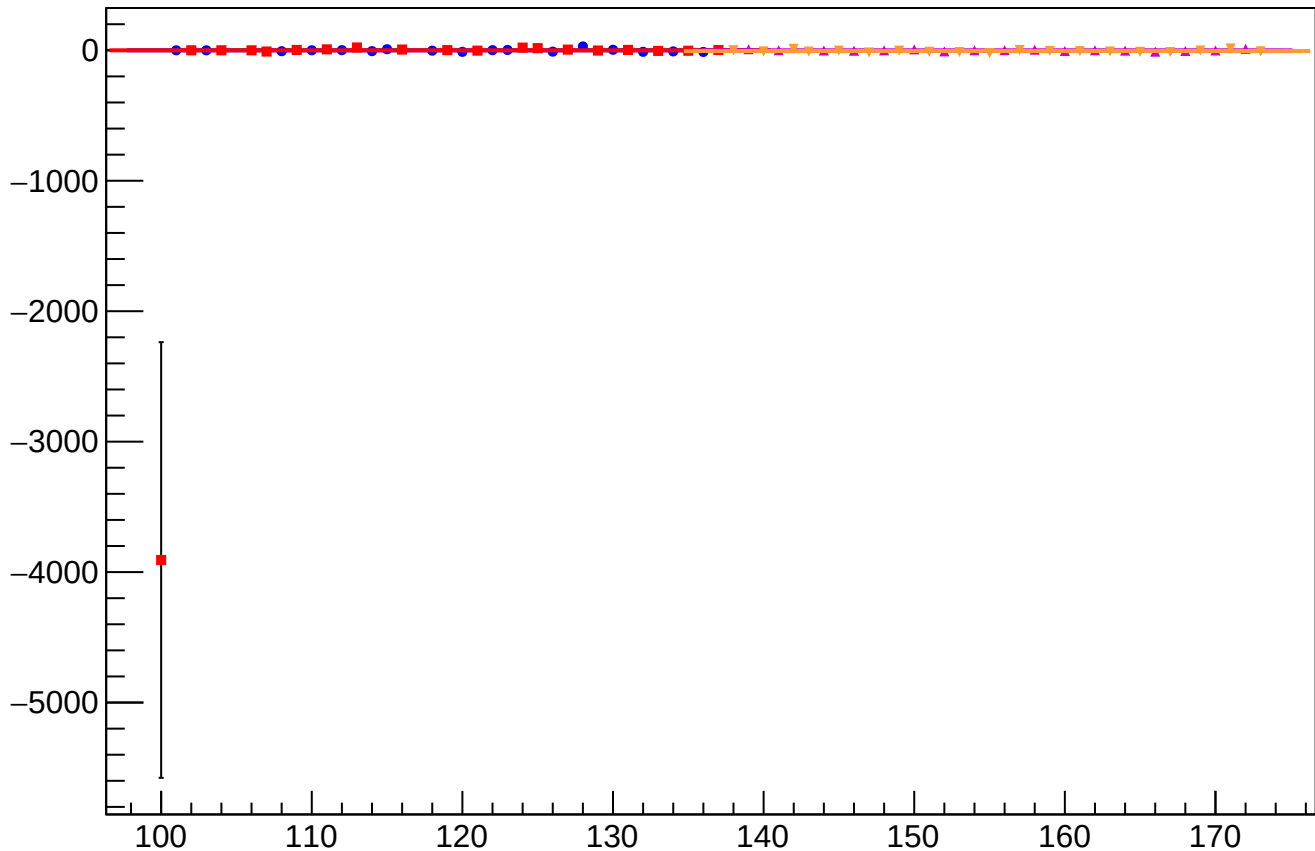
Right: 604.364 $\pm$ 0.134 χ^2 /NDF: 6687992.0/35

In: 536.197 $\pm$ 0.089 χ^2 /NDF: 3687747.6/33

Out: 536.389 $\pm$ 0.087 χ^2 /NDF: 3977247.6/37

All: 536.295 $\pm$ 0.062 χ^2 /NDF: 7664997.6/71

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 $\pm$ 0.021 χ^2 /NDF: 15.3/16

Left Out: -5.785 $\pm$ 1.115 χ^2 /NDF: 52.9/18

Right Out: 0.027 $\pm$ 0.020 χ^2 /NDF: 17.3/18

Left In: 0.072 $\pm$ 1.171 χ^2 /NDF: 20.7/16

Left: -2.999 $\pm$ 0.807 χ^2 /NDF: 86.7/35

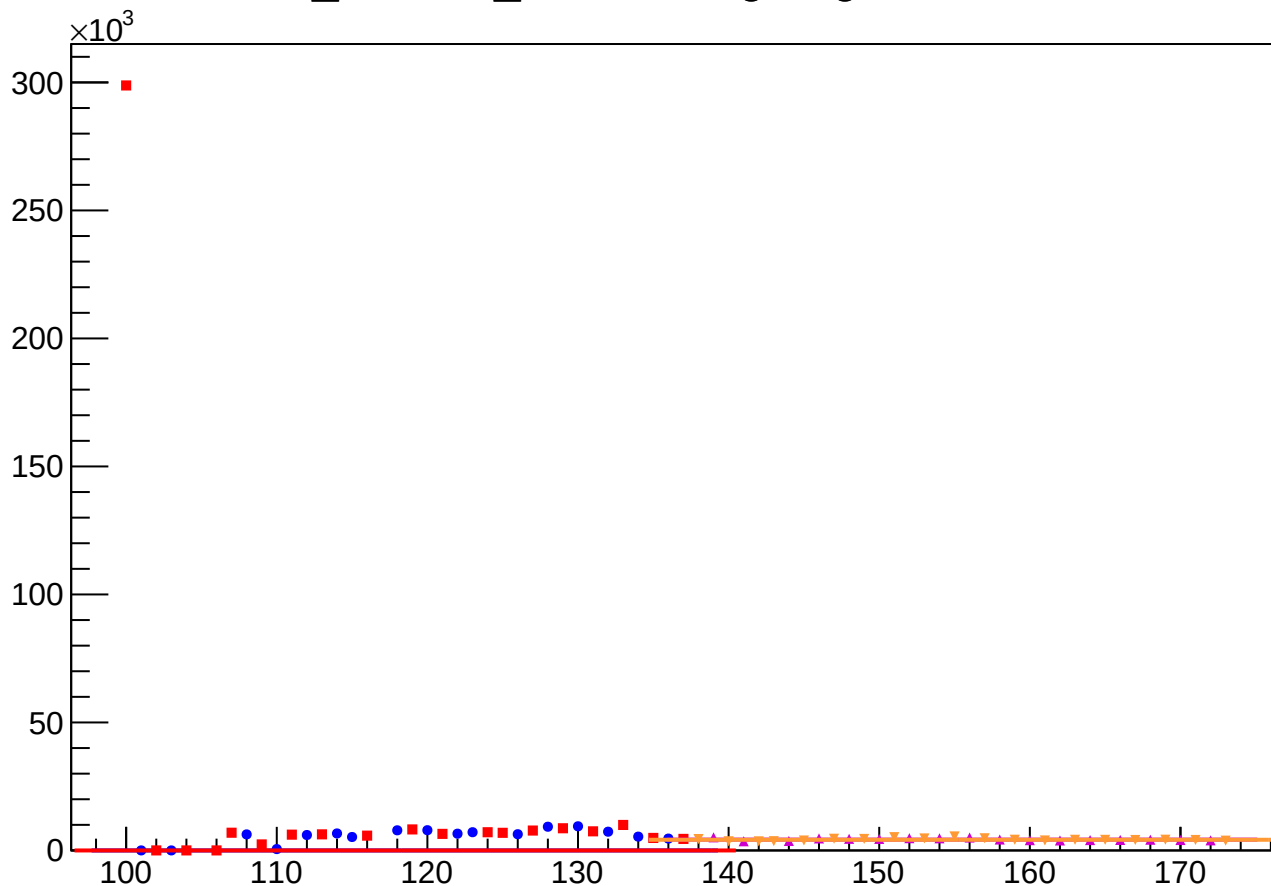
Right: 0.004 $\pm$ 0.014 χ^2 /NDF: 35.4/35

In: -0.022 $\pm$ 0.021 χ^2 /NDF: 36.0/33

Out: 0.025 $\pm$ 0.020 χ^2 /NDF: 97.3/37

All: 0.003 $\pm$ 0.014 χ^2 /NDF: 135.9/71

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 ± 0.015 $\chi^2/\text{NDF}: 10359409.4/16$

Left Out: 4174.039 ± 0.789 $\chi^2/\text{NDF}: 349837.2/18$

Right Out: 17.268 ± 0.014 $\chi^2/\text{NDF}: 10813350.8/18$

Left In: 4232.923 ± 0.828 $\chi^2/\text{NDF}: 273011.9/16$

Left: 4202.053 ± 0.571 $\chi^2/\text{NDF}: 625502.0/35$

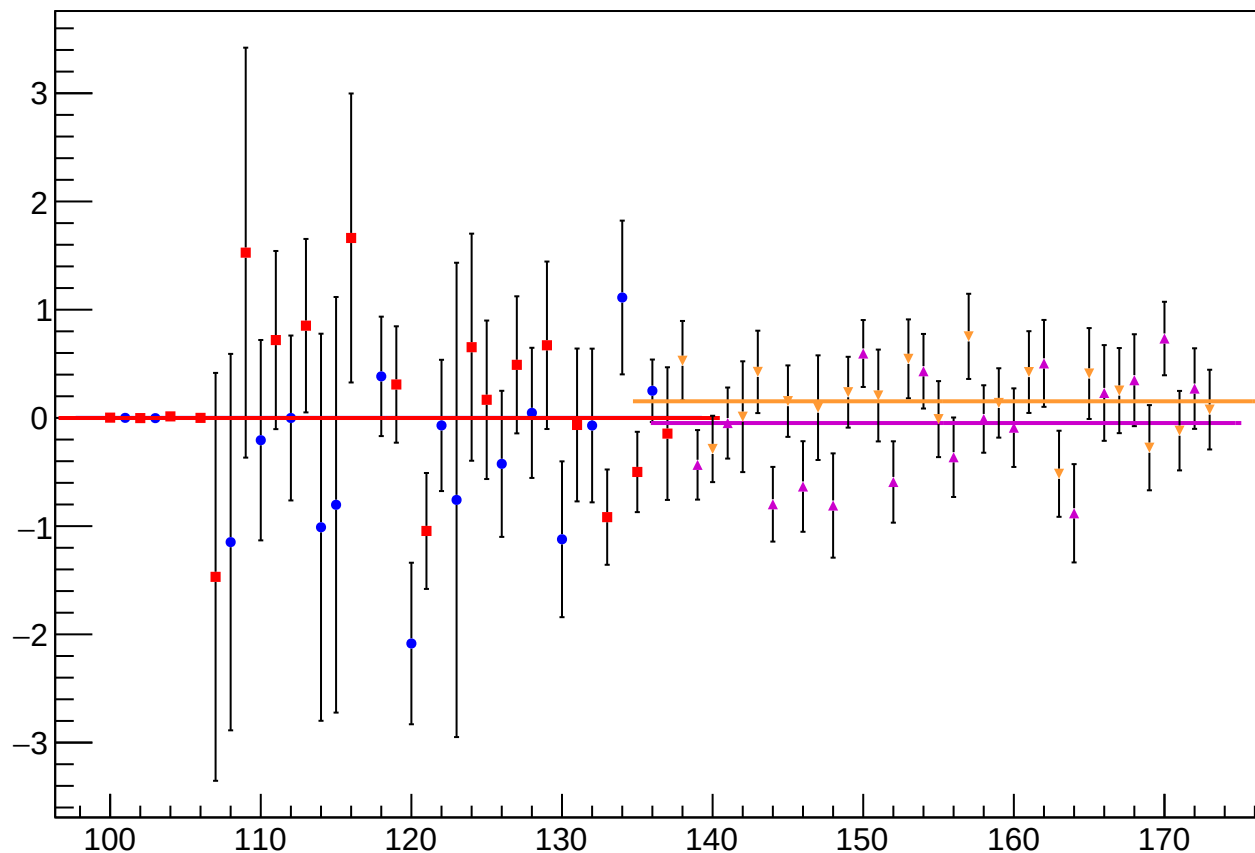
Right: 17.301 ± 0.010 $\chi^2/\text{NDF}: 21172771.7/35$

In: 18.667 ± 0.015 $\chi^2/\text{NDF}: 36560720.4/33$

Out: 18.575 ± 0.014 $\chi^2/\text{NDF}: 38943009.7/37$

All: 18.619 ± 0.010 $\chi^2/\text{NDF}: 75503750.5/71$

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 χ^2/NDF : 15.6/16

Left Out: 0.154 ± 0.086 χ^2/NDF : 13.0/18

Right Out: -0.001 ± 0.002 χ^2/NDF : 17.8/18

Left In: -0.047 ± 0.089 χ^2/NDF : 32.3/16

Left: 0.057 ± 0.062 χ^2/NDF : 48.0/35

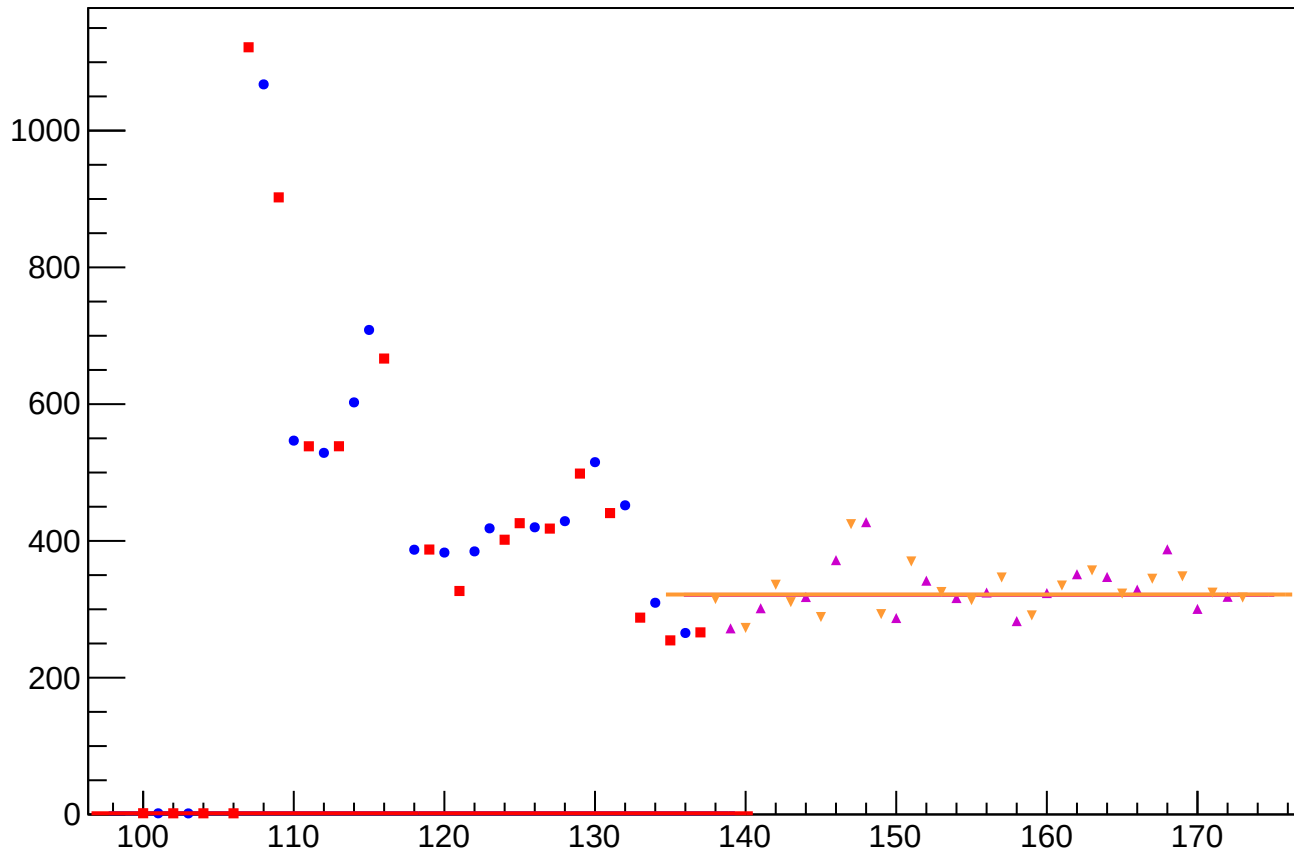
Right: -0.000 ± 0.001 χ^2/NDF : 33.6/35

In: 0.000 ± 0.002 χ^2/NDF : 48.2/33

Out: -0.001 ± 0.002 χ^2/NDF : 34.1/37

All: -0.000 ± 0.001 χ^2/NDF : 82.4/71

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698 $\pm$ 0.001 χ^2 /NDF: 10911617.0/16

Left Out: 321.620 $\pm$ 0.061 χ^2 /NDF:268441.1/18

Right Out: 1.728 $\pm$ 0.001 χ^2 /NDF: 10736674.8/18

Left In: 321.083 $\pm$ 0.063 χ^2 /NDF:316706.8/16

Left: 321.361 $\pm$ 0.044 χ^2 /NDF: 585185.5/35

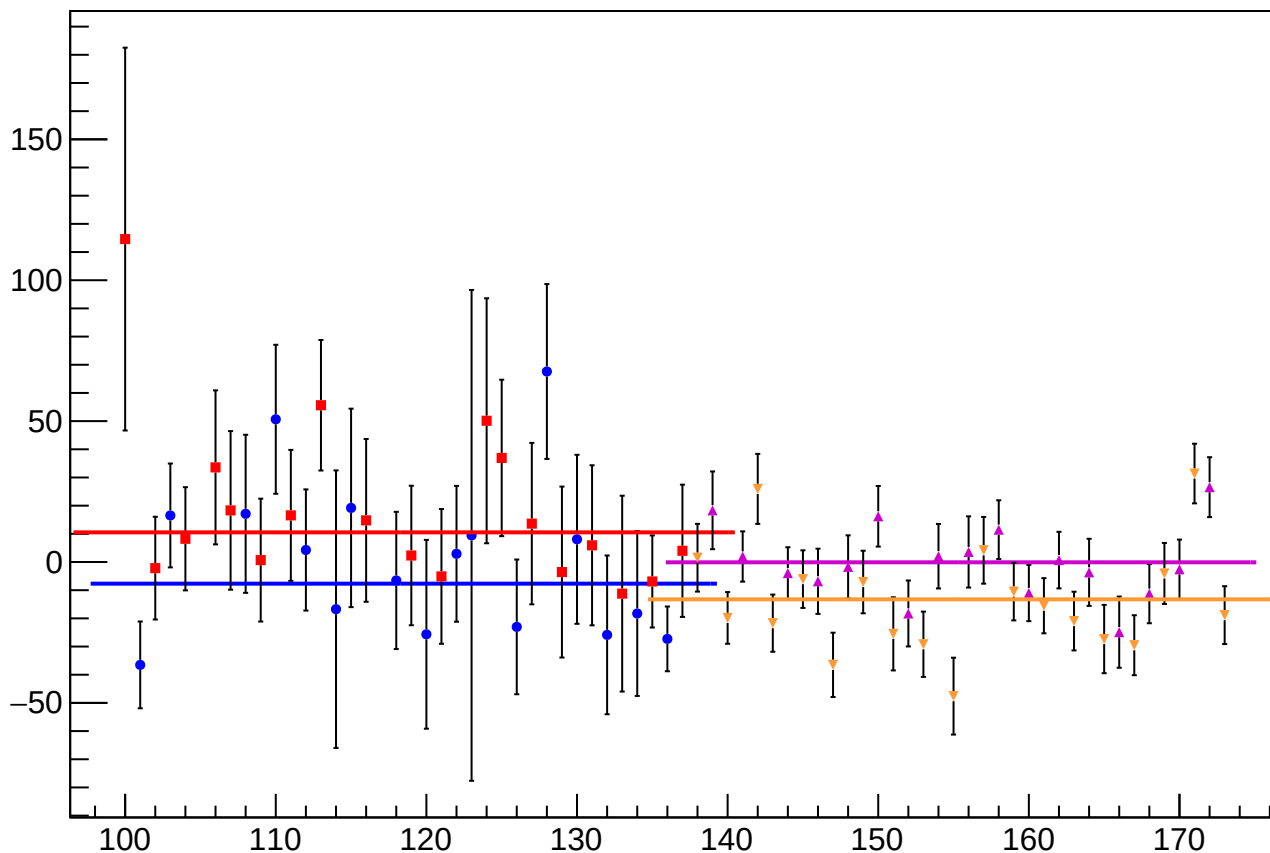
Right: 1.714 $\pm$ 0.001 χ^2 /NDF: 21648518.8/35

In: 1.864 $\pm$ 0.001 χ^2 /NDF:36962649.1/33

Out: 1.891 $\pm$ 0.001 χ^2 /NDF:38745924.0/37

All: 1.878 $\pm$ 0.001 χ^2 /NDF: 75708767.5/71

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 $\pm$ 5.627 χ^2/NDF : 22.4/16

Left Out: -13.247 $\pm$ 2.515 χ^2/NDF : 52.1/18

Right Out: 10.524 $\pm$ 5.682 χ^2/NDF : 11.9/18

Left In: -0.108 $\pm$ 2.632 χ^2/NDF : 21.0/16

Left: -6.975 $\pm$ 1.818 χ^2/NDF : 86.2/35

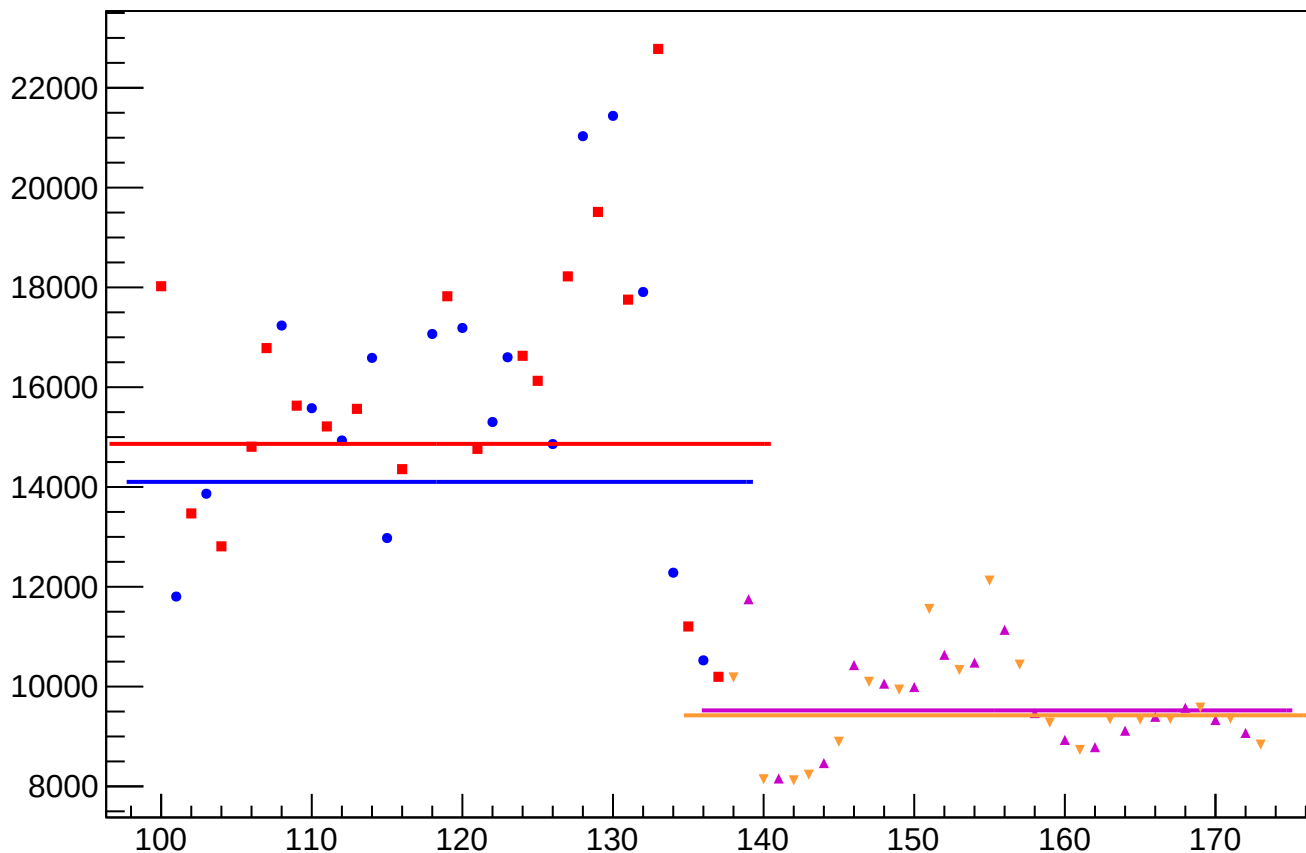
Right: 1.332 $\pm$ 3.998 χ^2/NDF : 39.4/35

In: -1.467 $\pm$ 2.384 χ^2/NDF : 44.9/33

Out: -9.353 $\pm$ 2.300 χ^2/NDF : 78.6/37

All: -5.552 $\pm$ 1.655 χ^2/NDF : 129.2/71

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 $\pm$ 3.979 χ^2 /NDF: 598934.8/16

Left Out: 9423.992 $\pm$ 1.778 χ^2 /NDF: 290294.2/18

Right Out: 14864.163 $\pm$ 4.018 χ^2 /NDF: 470280.3/18

Left In: 9522.910 $\pm$ 1.861 χ^2 /NDF: 235583.3/16

Left: 9471.207 $\pm$ 1.286 χ^2 /NDF: 527354.3/35

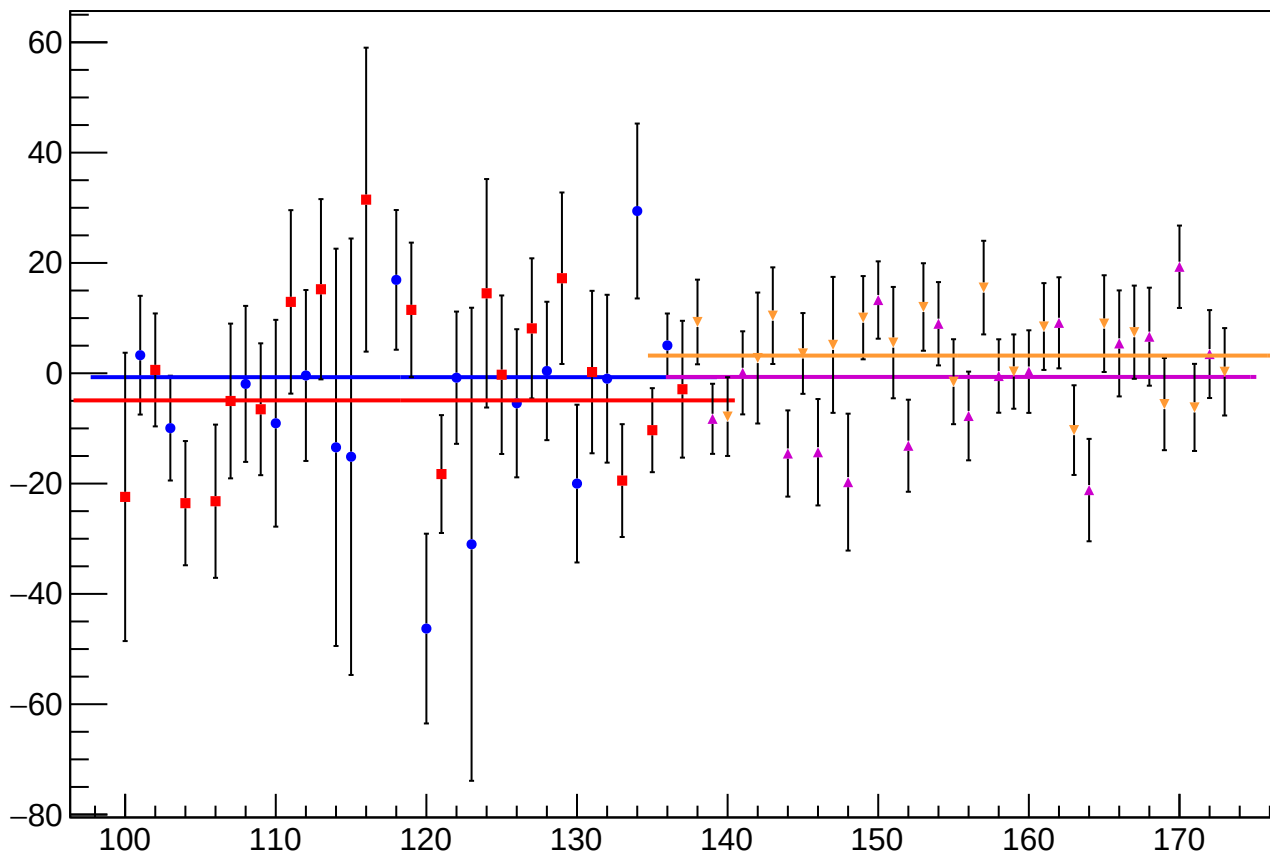
Right: 14479.636 $\pm$ 2.827 χ^2 /NDF: 1087356.3/35

In: 10344.832 $\pm$ 1.686 χ^2 /NDF: 1921427.5/33

Out: 10315.104 $\pm$ 1.626 χ^2 /NDF: 2293510.8/37

All: 10329.433 $\pm$ 1.170 χ^2 /NDF: 4215099.4/71

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 $\pm$ 3.084 χ^2/NDF : 17.6/16

Left Out: 3.207 $\pm$ 1.881 χ^2/NDF : 15.1/18

Right Out: -4.918 $\pm$ 2.940 χ^2/NDF : 19.8/18

Left In: -0.667 $\pm$ 1.933 χ^2/NDF : 32.4/16

Left: 1.323 $\pm$ 1.348 χ^2/NDF : 49.5/35

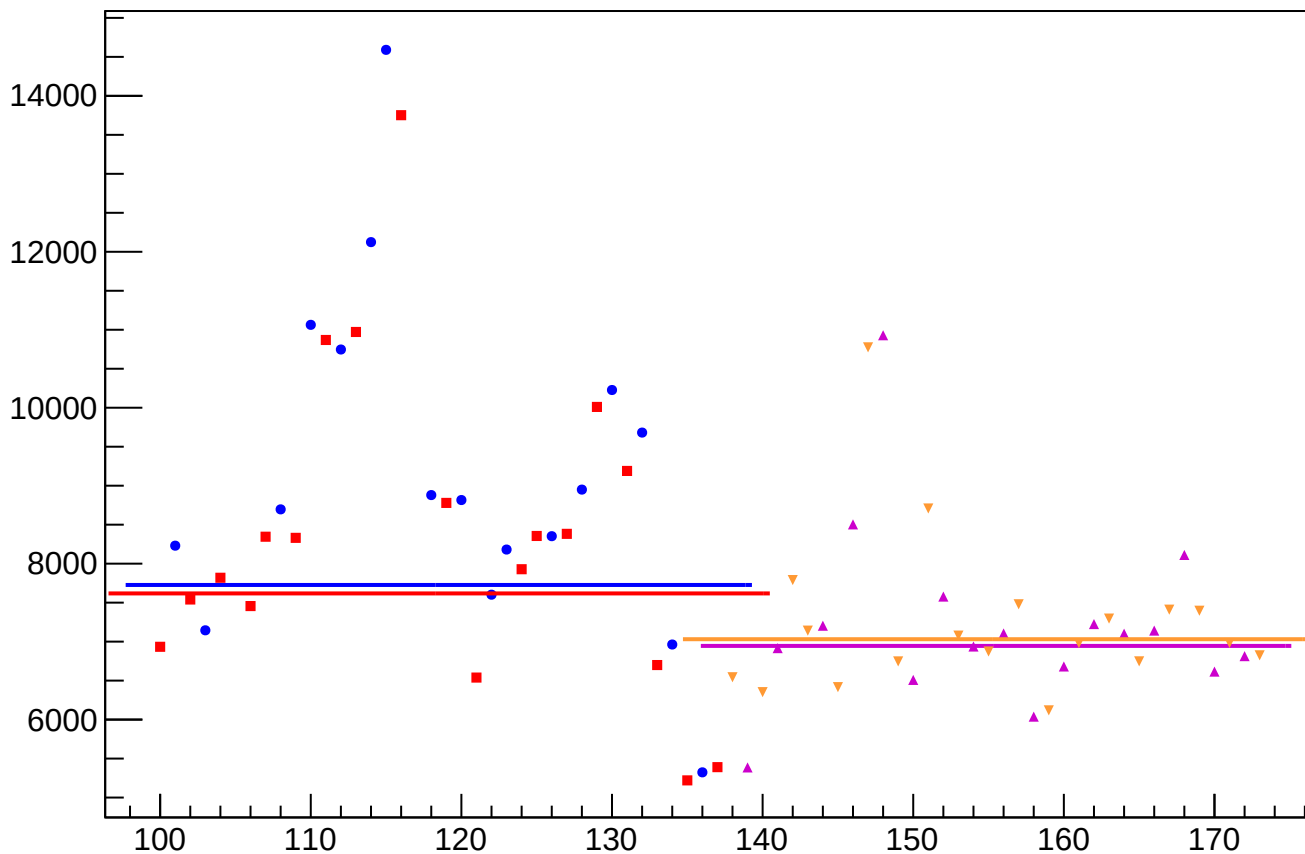
Right: -2.914 $\pm$ 2.128 χ^2/NDF : 38.3/35

In: -0.678 $\pm$ 1.638 χ^2/NDF : 49.9/33

Out: 0.846 $\pm$ 1.585 χ^2/NDF : 40.3/37

All: 0.109 $\pm$ 1.139 χ^2/NDF : 90.6/71

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7030.896 $\pm$ 1.330 χ^2 /NDF:348045.9/18

Right Out: 7618.206 $\pm$ 2.079 χ^2 /NDF: 675125.4/18

Left In: 6945.091 $\pm$ 1.367 χ^2 /NDF:483223.7/16

Left: 6989.166 $\pm$ 0.953 χ^2 /NDF: 833293.1/35

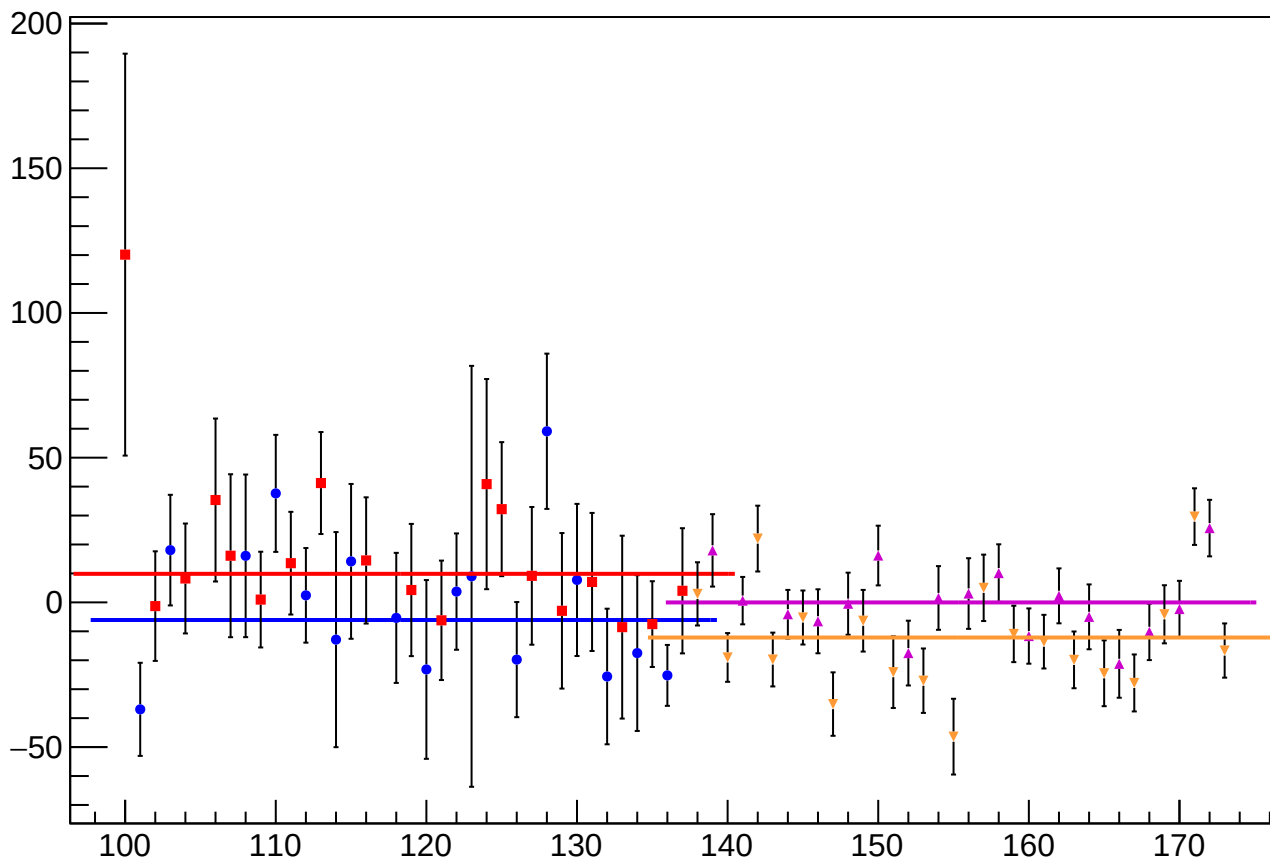
Right: 7669.883 $\pm$ 1.504 χ^2 /NDF: 1418936.4/35

In: 7165.664 $\pm$ 1.158 χ^2 /NDF:1317989.2/33

Out: 7201.543 $\pm$ 1.120 χ^2 /NDF:1079811.4/37

All: 7184.199 $\pm$ 0.805 χ^2 /NDF: 2398296.3/71

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -12.142 ± 2.352 $\chi^2/\text{NDF}: 52.8/18$

Right Out: 9.864 ± 5.004 $\chi^2/\text{NDF}: 11.6/18$

Left In: -0.022 ± 2.472 $\chi^2/\text{NDF}: 21.8/16$

Left: -6.385 ± 1.704 $\chi^2/\text{NDF}: 87.2/35$

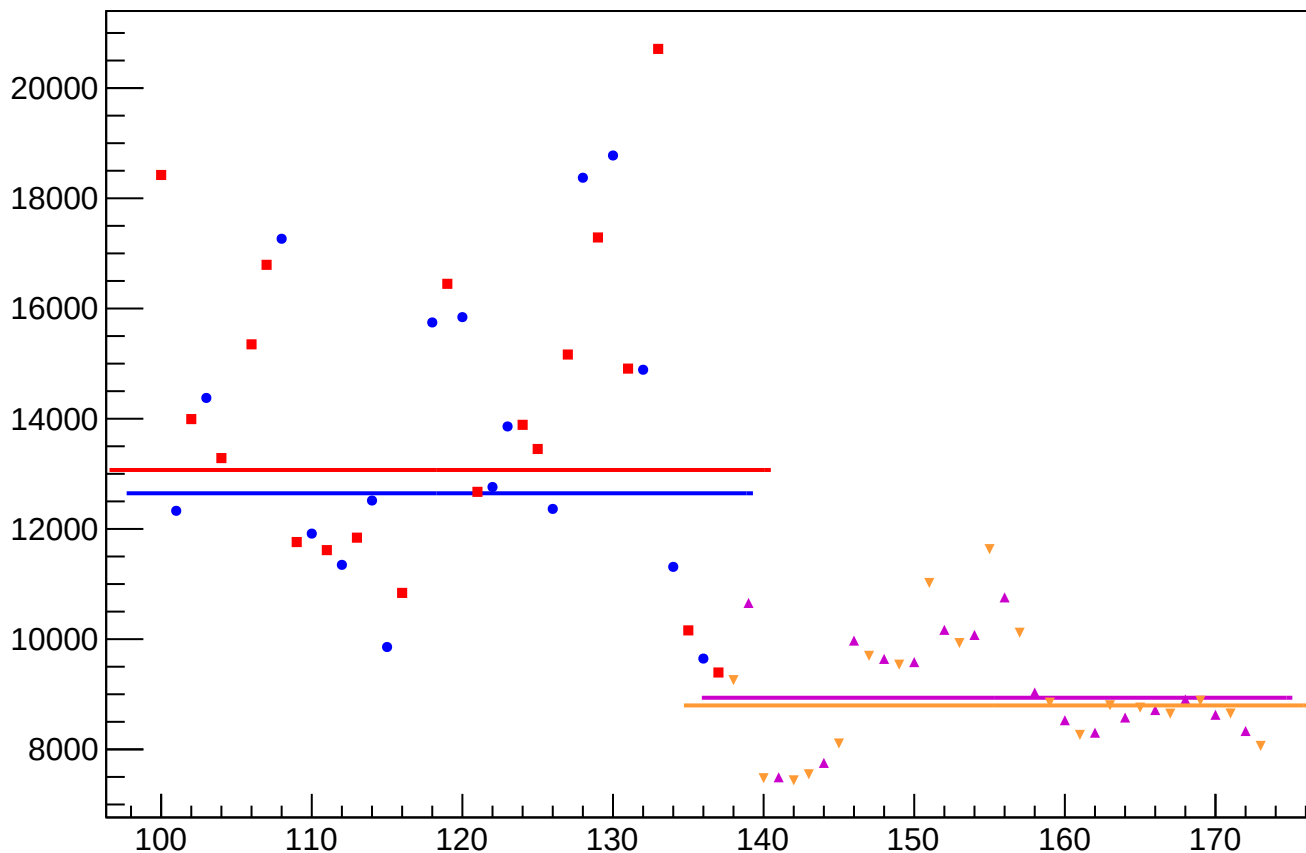
Right: 1.934 ± 3.549 $\chi^2/\text{NDF}: 39.6/35$

In: -1.201 ± 2.219 $\chi^2/\text{NDF}: 45.8/33$

Out: -8.160 ± 2.128 $\chi^2/\text{NDF}: 80.3/37$

All: -4.826 ± 1.536 $\chi^2/\text{NDF}: 131.3/71$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8797.477+/-1.663 χ^2/NDF : 377086.1/18

Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

Left In: 8936.801+/-1.748 χ^2/NDF : 288950.8/16

Left: 8863.658+/-1.205 χ^2/NDF : 669371.6/35

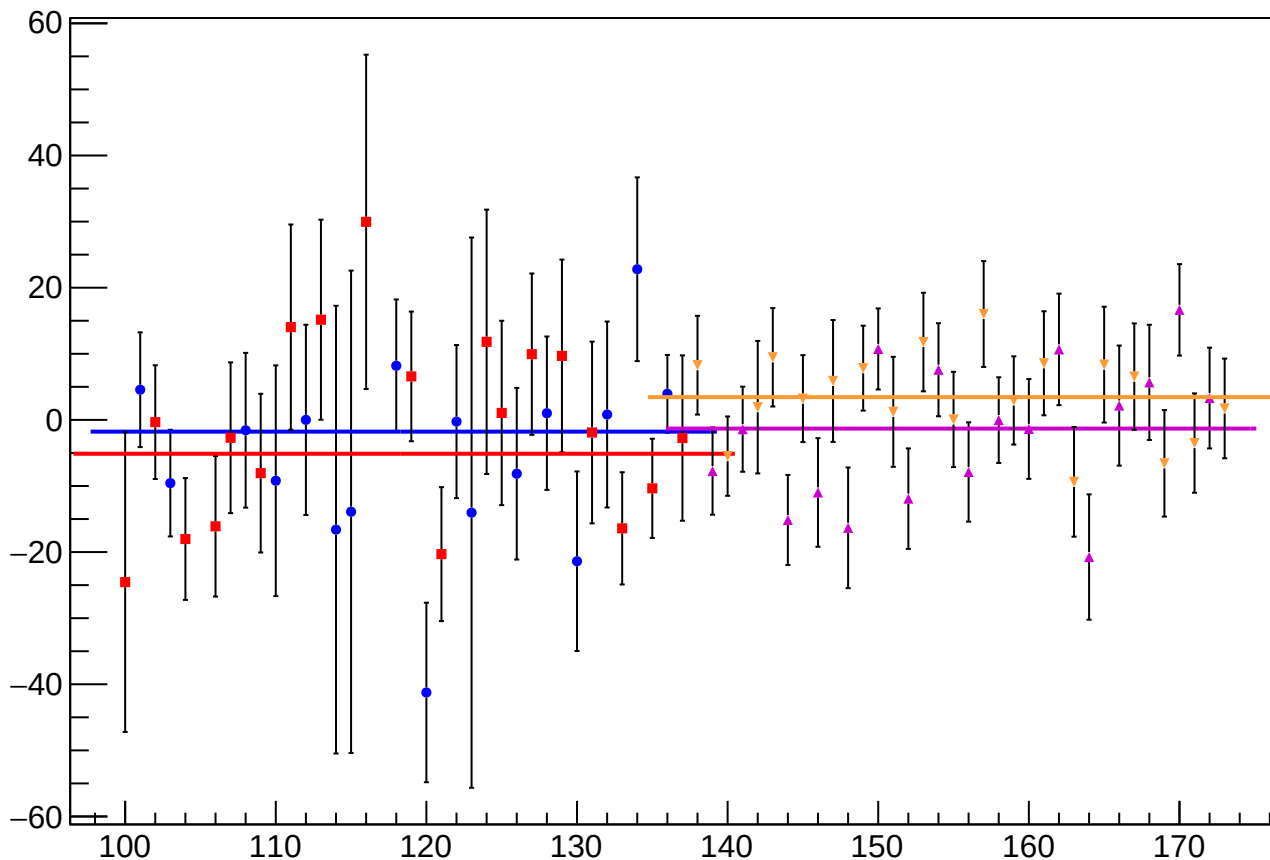
Right: 12859.864+/-2.509 χ^2/NDF : 1057685.3/35

In: 9657.864+/-1.569 χ^2/NDF : 1718792.9/33

Out: 9570.465+/-1.505 χ^2/NDF : 2067779.1/37

All: 9612.341+/-1.086 χ^2/NDF : 3788188.0/71

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 $\pm$ 2.806 χ^2/NDF : 18.0/16

Left Out: 3.446 $\pm$ 1.735 χ^2/NDF :13.6/18

Right Out: -5.122 $\pm$ 2.642 χ^2/NDF : 18.9/18

Left In: -1.314 $\pm$ 1.804 χ^2/NDF :31.5/16

Left: 1.160 $\pm$ 1.251 χ^2/NDF : 48.7/35

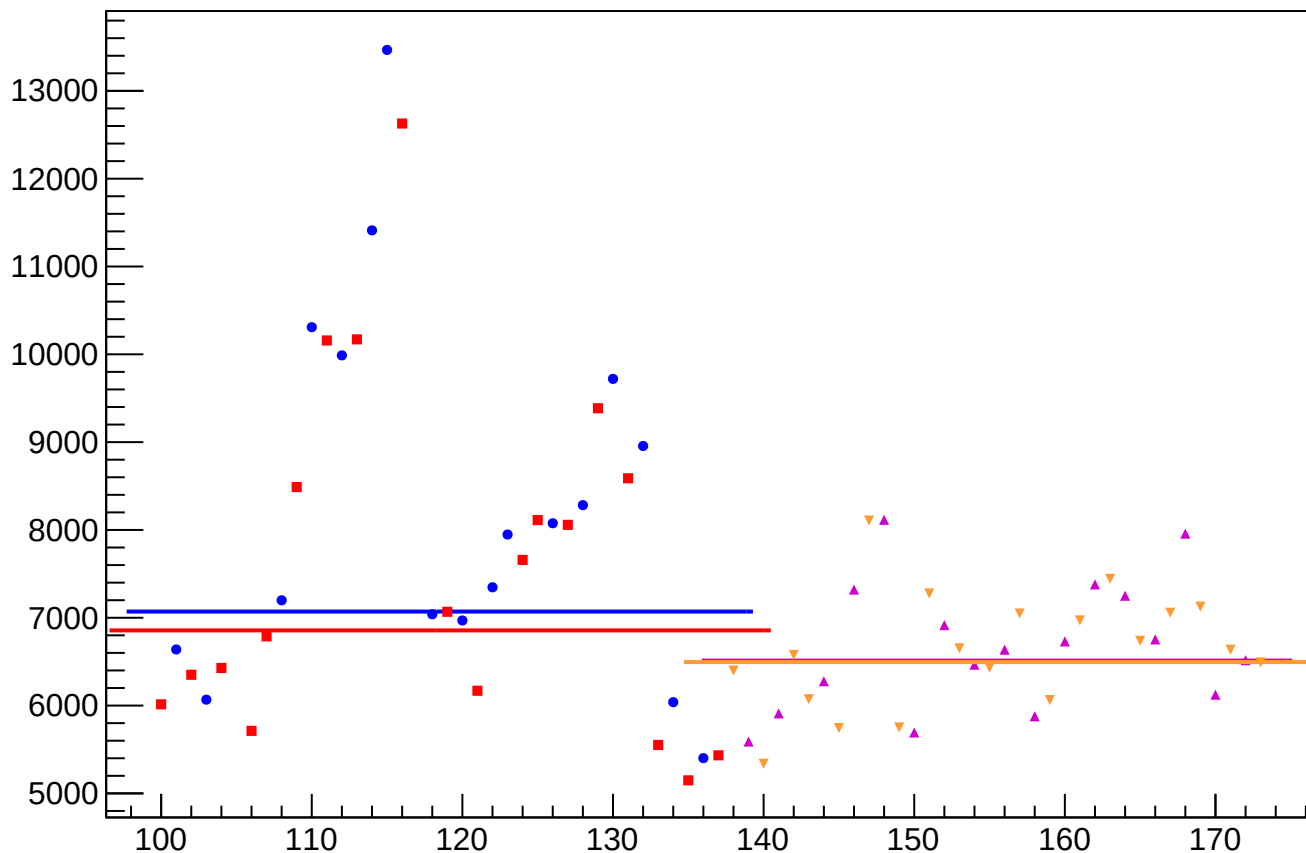
Right: -3.550 $\pm$ 1.923 χ^2/NDF : 37.6/35

In: -1.449 $\pm$ 1.518 χ^2/NDF :49.5/33

Out: 0.864 $\pm$ 1.450 χ^2/NDF :39.8/37

All: -0.240 $\pm$ 1.048 χ^2/NDF : 90.5/71

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 ± 1.984 $\chi^2/\text{NDF}: 601692.5/16$

Left Out: 6495.451 ± 1.227 $\chi^2/\text{NDF}: 289606.1/18$

Right Out: 6856.136 ± 1.868 $\chi^2/\text{NDF}: 682220.3/18$

Left In: 6512.585 ± 1.276 $\chi^2/\text{NDF}: 298657.5/16$

Left: 6503.681 ± 0.884 $\chi^2/\text{NDF}: 588357.3/35$

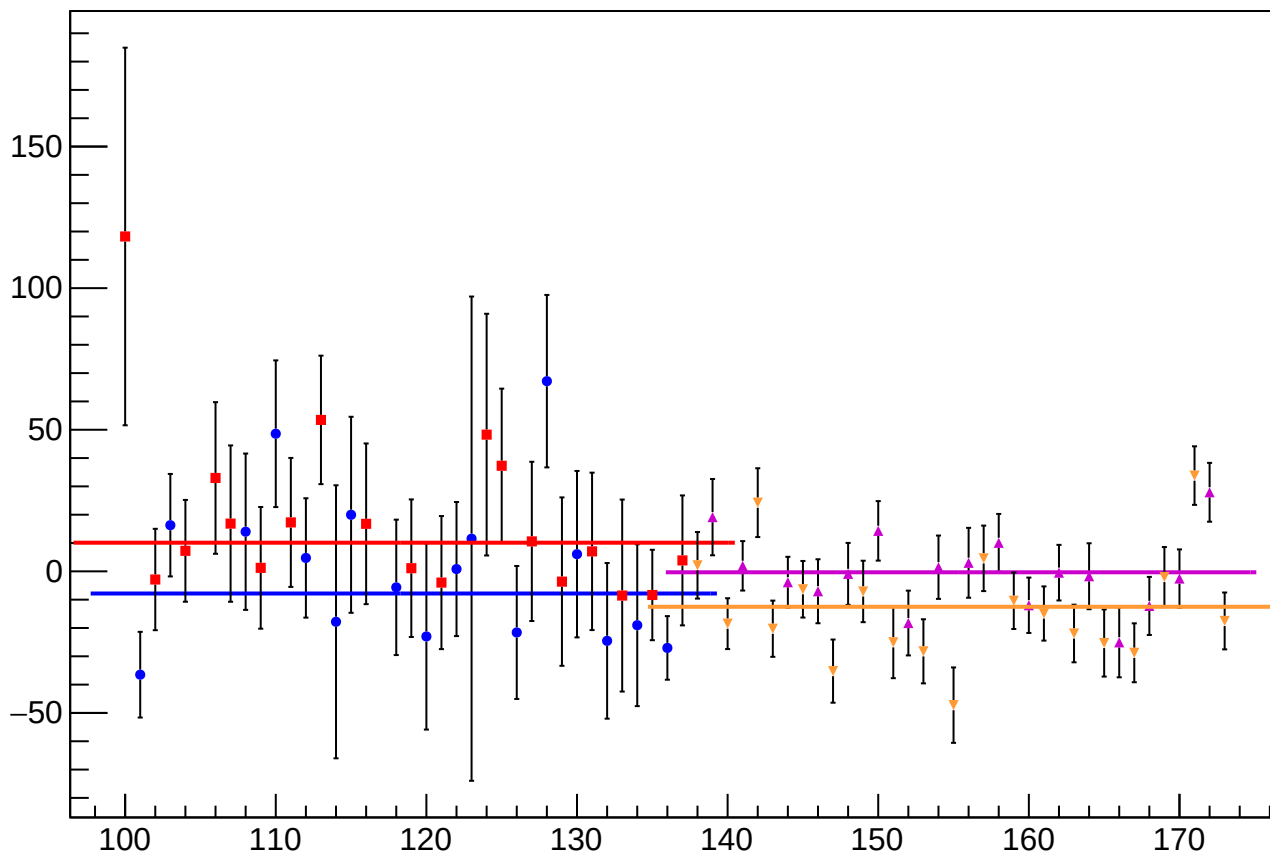
Right: 6956.947 ± 1.360 $\chi^2/\text{NDF}: 1290110.2/35$

In: 6675.852 ± 1.073 $\chi^2/\text{NDF}: 956320.2/33$

Out: 6604.121 ± 1.025 $\chi^2/\text{NDF}: 997873.5/37$

All: 6638.354 ± 0.741 $\chi^2/\text{NDF}: 1956529.2/71$

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -12.514 ± 2.458 $\chi^2/\text{NDF}: 54.3/18$

Right Out: 10.117 ± 5.571 $\chi^2/\text{NDF}: 12.2/18$

Left In: -0.331 ± 2.572 $\chi^2/\text{NDF}: 22.4/16$

Left: -6.699 ± 1.777 $\chi^2/\text{NDF}: 88.5/35$

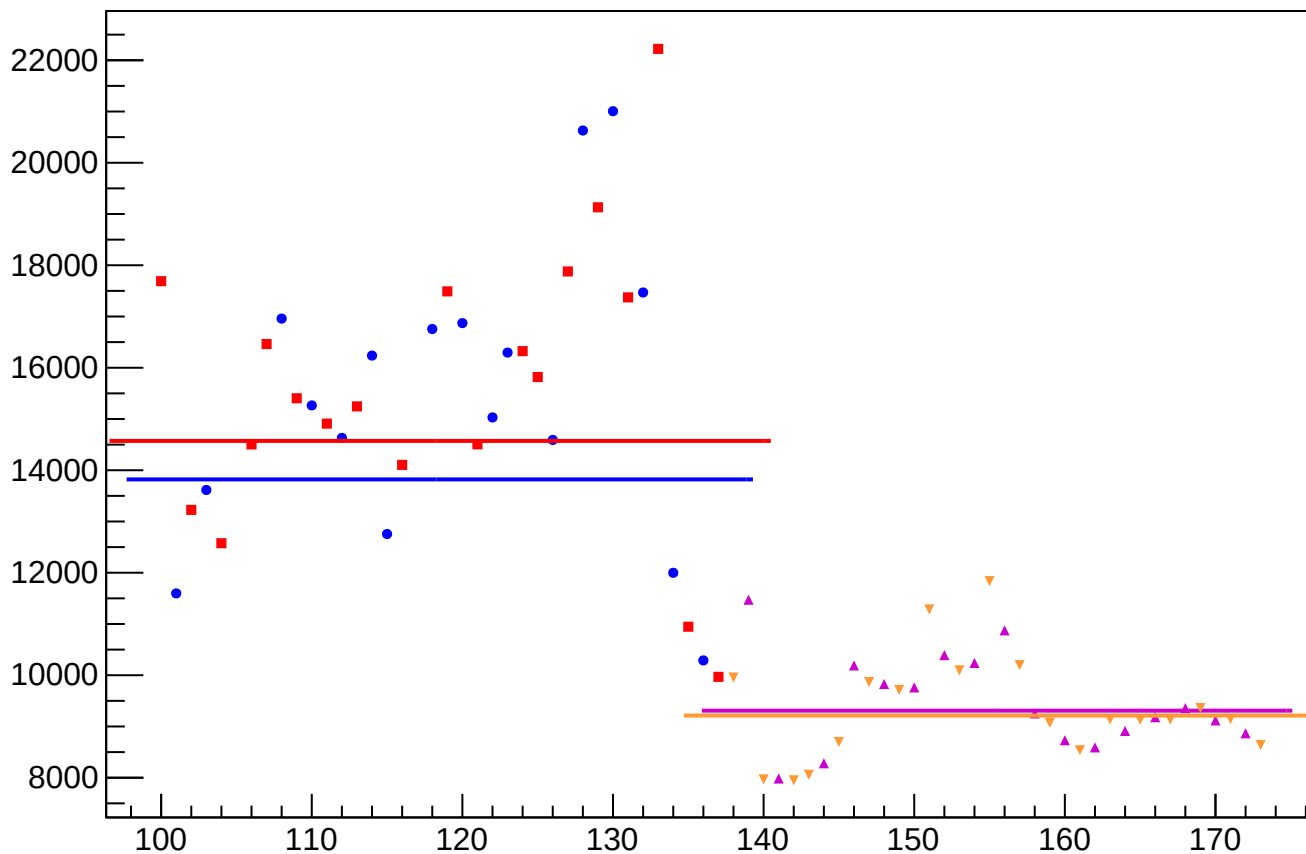
Right: 1.056 ± 3.920 $\chi^2/\text{NDF}: 39.7/35$

In: -1.670 ± 2.331 $\chi^2/\text{NDF}: 46.2/33$

Out: -8.825 ± 2.249 $\chi^2/\text{NDF}: 80.3/37$

All: -5.376 ± 1.619 $\chi^2/\text{NDF}: 131.4/71$

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195 +/- 3.900 χ^2/NDF : 602672.4/16

Left Out: 9213.084 +/- 1.738 χ^2/NDF : 287123.9/18

Right Out: 14572.437 +/- 3.939 χ^2/NDF : 472468.2/18

Left In: 9308.914 +/- 1.819 χ^2/NDF : 232839.4/16

Left: 9258.828 +/- 1.257 χ^2/NDF : 521413.9/35

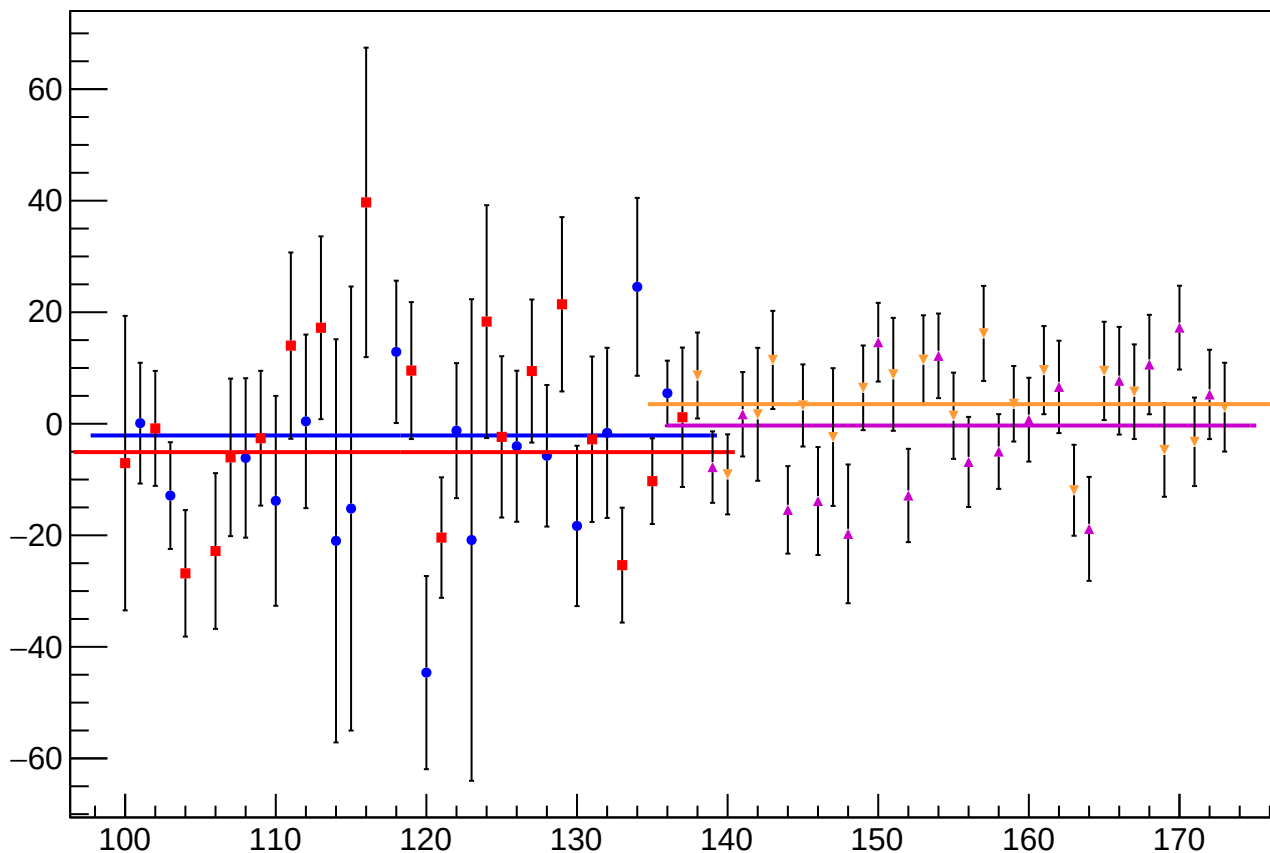
Right: 14193.062 +/- 2.772 χ^2/NDF : 1093505.5/35

In: 10115.037 +/- 1.649 χ^2/NDF : 1934871.7/33

Out: 10086.577 +/- 1.590 χ^2/NDF : 2308751.5/37

All: 10100.296 +/- 1.145 χ^2/NDF : 4243777.7/71

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 3.517 ± 1.890 χ^2/NDF : 14.7/18

Right Out: -5.085 ± 2.962 χ^2/NDF : 24.8/18

Left In: -0.316 ± 1.942 χ^2/NDF : 32.9/16

Left: 1.653 ± 1.354 χ^2/NDF : 49.6/35

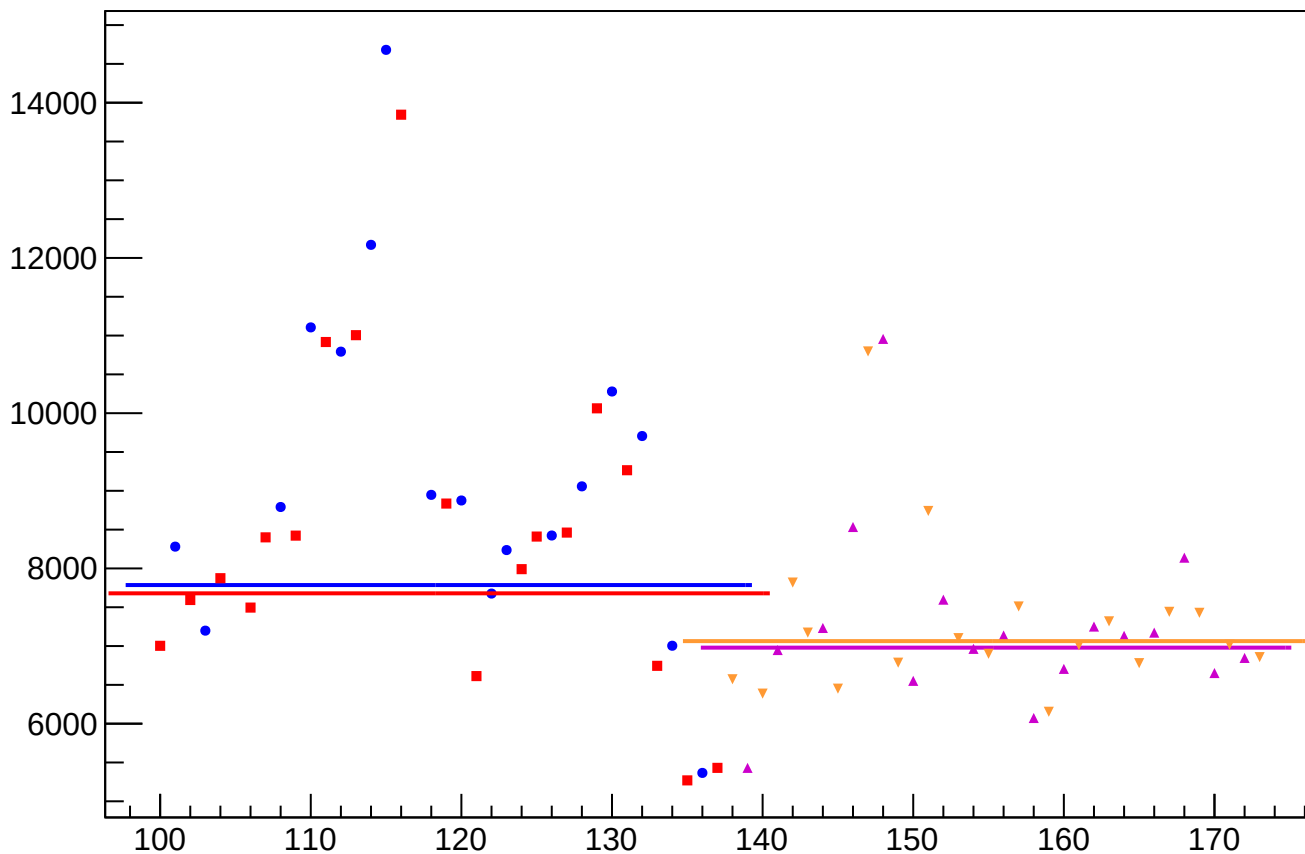
Right: -3.662 ± 2.144 χ^2/NDF : 40.9/35

In: -0.817 ± 1.647 χ^2/NDF : 48.8/33

Out: 1.029 ± 1.593 χ^2/NDF : 45.4/37

All: 0.137 ± 1.145 χ^2/NDF : 94.9/71

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7063.557 $\pm$ 1.336 χ^2 /NDF:344101.1/18

Right Out: 7679.182 $\pm$ 2.095 χ^2 /NDF: 668736.8/18

Left In: 6979.454 $\pm$ 1.374 χ^2 /NDF:475181.5/16

Left: 7022.665 $\pm$ 0.958 χ^2 /NDF: 821208.8/35

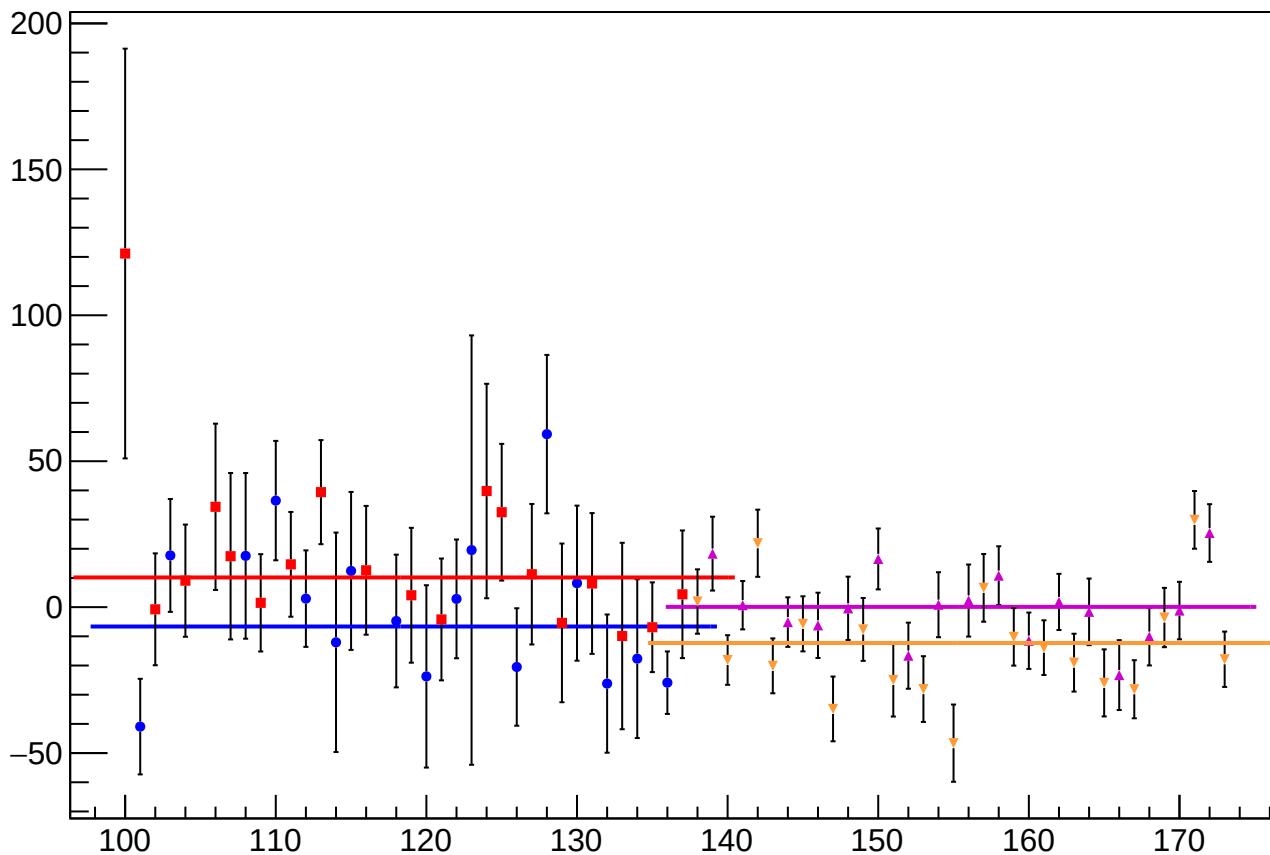
Right: 7730.020 $\pm$ 1.516 χ^2 /NDF: 1408075.7/35

In: 7206.148 $\pm$ 1.165 χ^2 /NDF:1310189.6/33

Out: 7241.618 $\pm$ 1.126 χ^2 /NDF:1074236.4/37

All: 7224.473 $\pm$ 0.810 χ^2 /NDF: 2384905.3/71

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 ± 5.101 χ^2/NDF : 23.4/16

Left Out: -12.280 ± 2.378 χ^2/NDF : 52.6/18

Right Out: 10.172 ± 5.075 χ^2/NDF : 10.8/18

Left In: 0.096 ± 2.502 χ^2/NDF : 21.6/16

Left: -6.408 ± 1.724 χ^2/NDF : 87.0/35

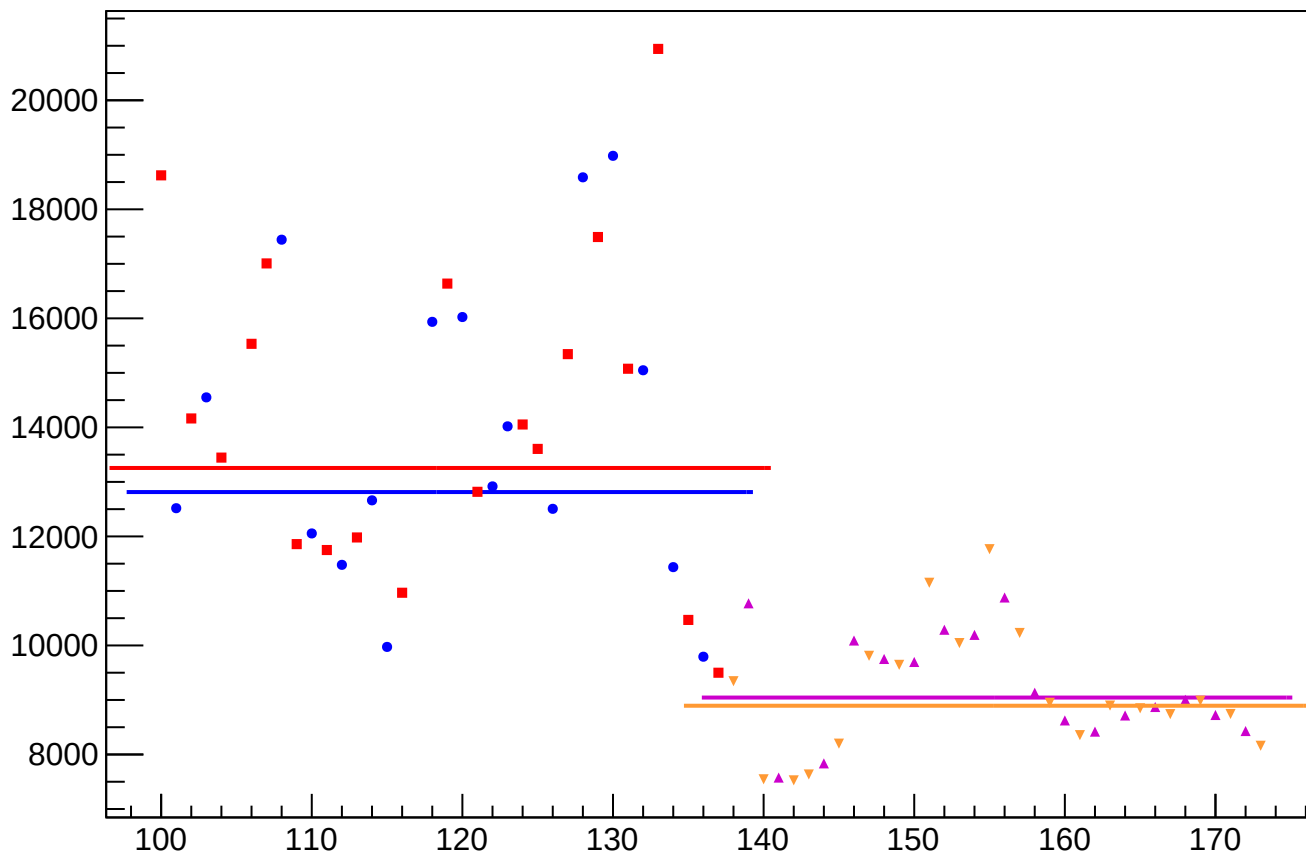
Right: 1.813 ± 3.598 χ^2/NDF : 39.7/35

In: -1.209 ± 2.247 χ^2/NDF : 46.4/33

Out: -8.239 ± 2.153 χ^2/NDF : 79.5/37

All: -4.874 ± 1.554 χ^2/NDF : 130.9/71

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726+/-3.607 χ^2/NDF : 548127.6/16

Left Out: 8894.192+/-1.681 χ^2/NDF : 378394.6/18

Right Out: 13255.535+/-3.588 χ^2/NDF : 484287.4/18

Left In: 9044.129+/-1.770 χ^2/NDF : 288406.9/16

Left: 8965.323+/-1.219 χ^2/NDF : 670575.2/35

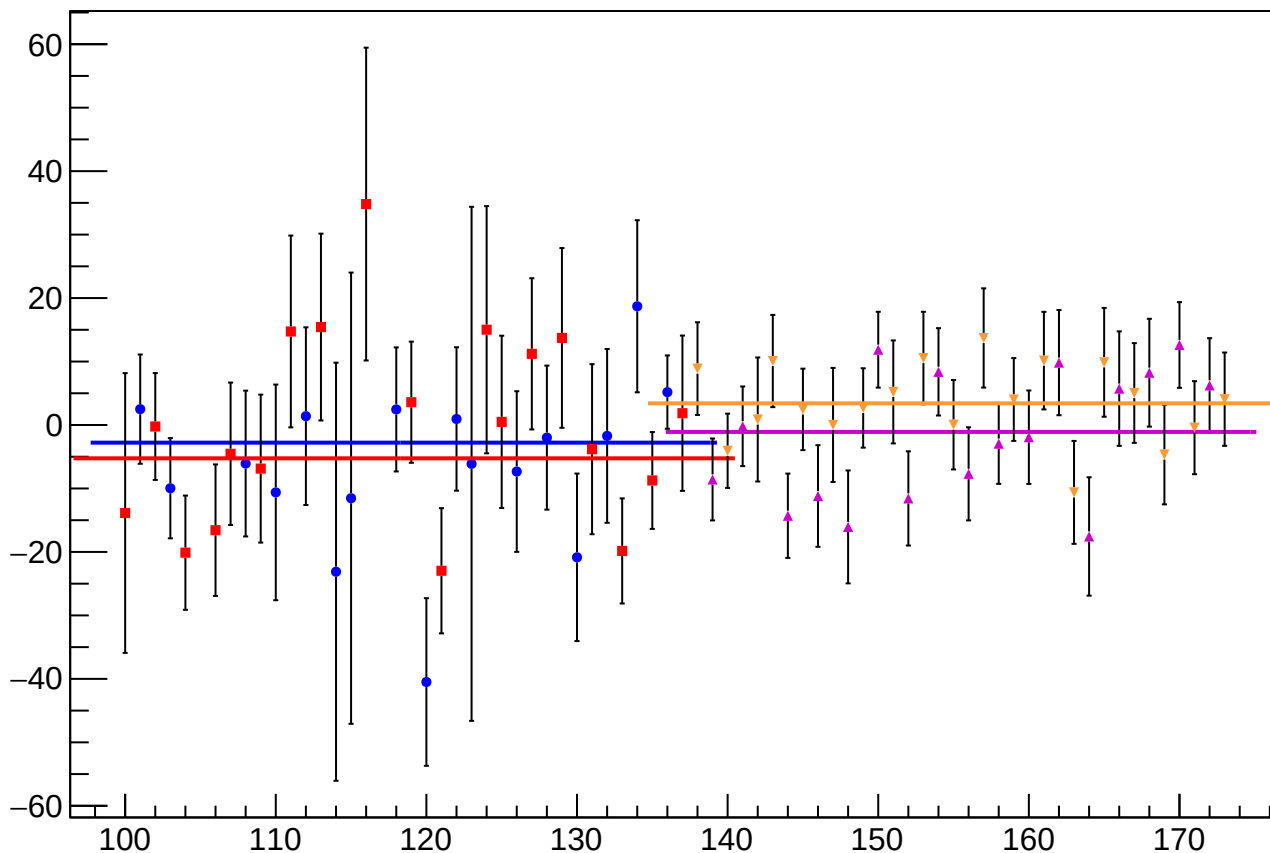
Right: 13035.784+/-2.544 χ^2/NDF : 1039954.9/35

In: 9775.300+/-1.589 χ^2/NDF : 1716785.7/33

Out: 9679.157+/-1.522 χ^2/NDF : 2074002.1/37

All: 9725.180+/-1.099 χ^2/NDF : 3792697.0/71

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 ± 2.747 χ^2/NDF : 17.0/16

Left Out: 3.418 ± 1.693 χ^2/NDF : 12.0/18

Right Out: -5.252 ± 2.590 χ^2/NDF : 23.5/18

Left In: -1.090 ± 1.763 χ^2/NDF : 31.0/16

Left: 1.255 ± 1.221 χ^2/NDF : 46.3/35

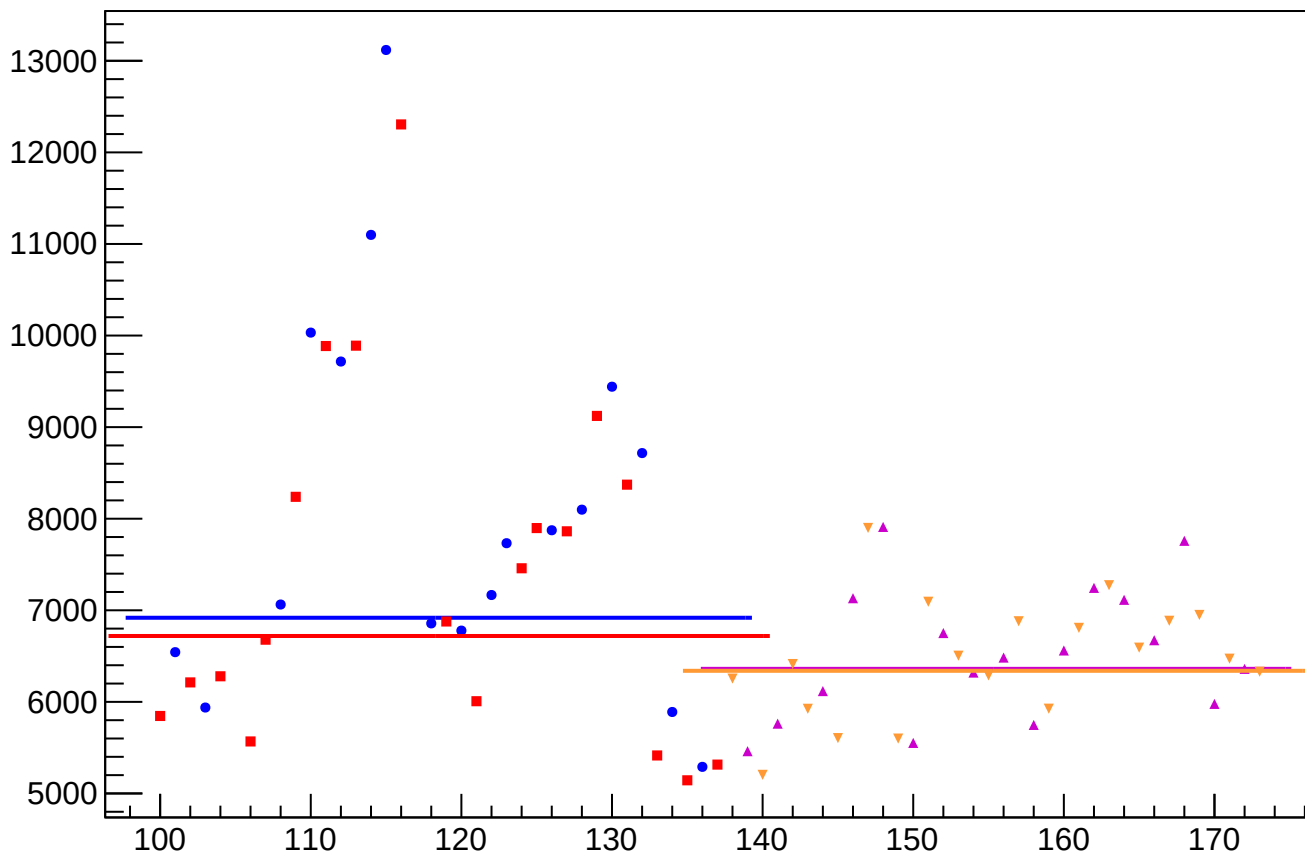
Right: -4.088 ± 1.884 χ^2/NDF : 41.0/35

In: -1.582 ± 1.484 χ^2/NDF : 48.2/33

Out: 0.821 ± 1.417 χ^2/NDF : 43.4/37

All: -0.325 ± 1.025 χ^2/NDF : 93.0/71

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 ± 1.943 $\chi^2/\text{NDF}: 587976.6/16$

Left Out: 6339.248 ± 1.197 $\chi^2/\text{NDF}: 290977.2/18$

Right Out: 6719.404 ± 1.831 $\chi^2/\text{NDF}: 653831.7/18$

Left In: 6360.674 ± 1.247 $\chi^2/\text{NDF}: 300661.3/16$

Left: 6349.528 ± 0.864 $\chi^2/\text{NDF}: 591792.2/35$

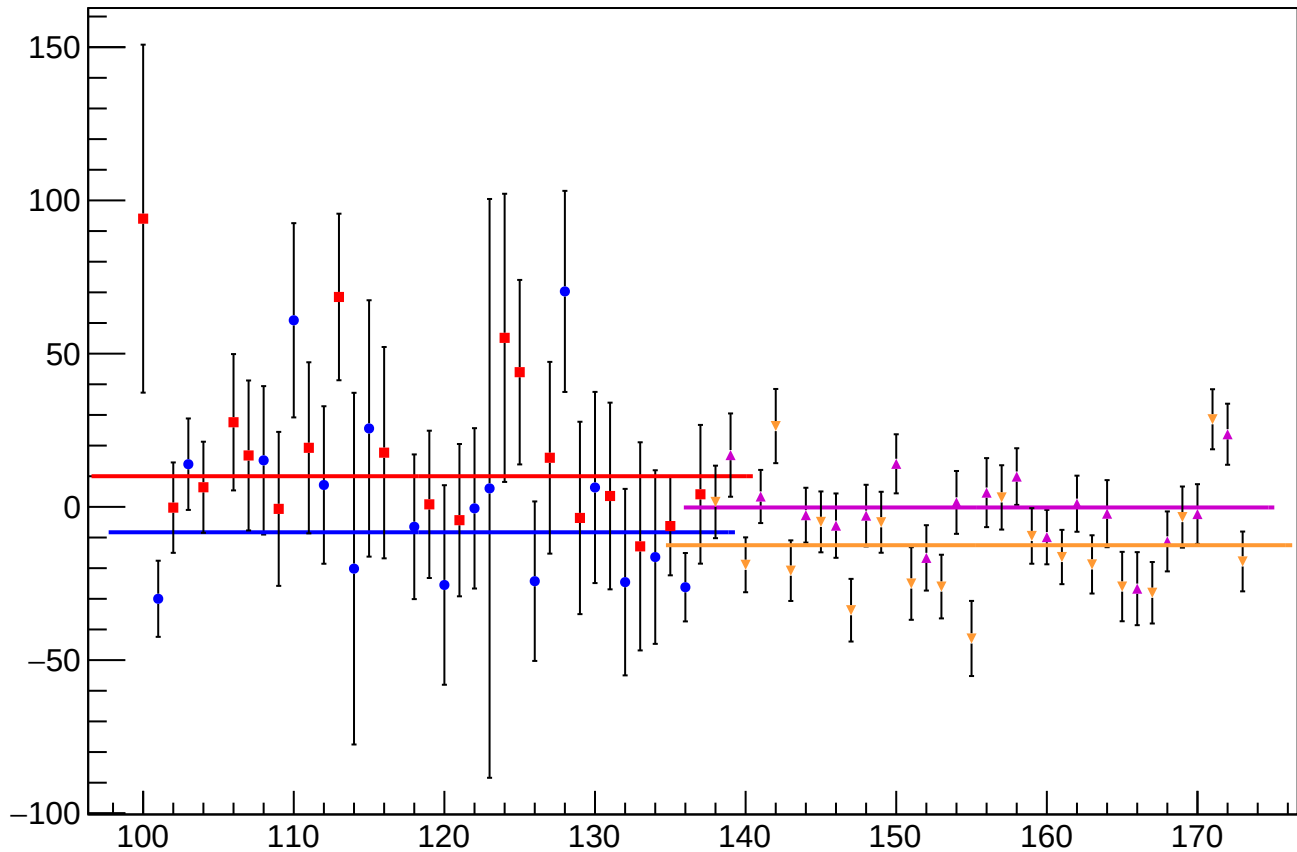
Right: 6813.106 ± 1.332 $\chi^2/\text{NDF}: 1247373.6/35$

In: 6523.418 ± 1.049 $\chi^2/\text{NDF}: 947057.5/33$

Out: 6453.089 ± 1.002 $\chi^2/\text{NDF}: 975002.4/37$

All: 6486.639 ± 0.725 $\chi^2/\text{NDF}: 1924409.8/71$

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -12.508 ± 2.336 χ^2/NDF : 52.9/18

Right Out: 10.007 ± 5.513 χ^2/NDF : 12.9/18

Left In: -0.191 ± 2.426 χ^2/NDF : 21.4/16

Left: -6.583 ± 1.683 χ^2/NDF : 87.7/35

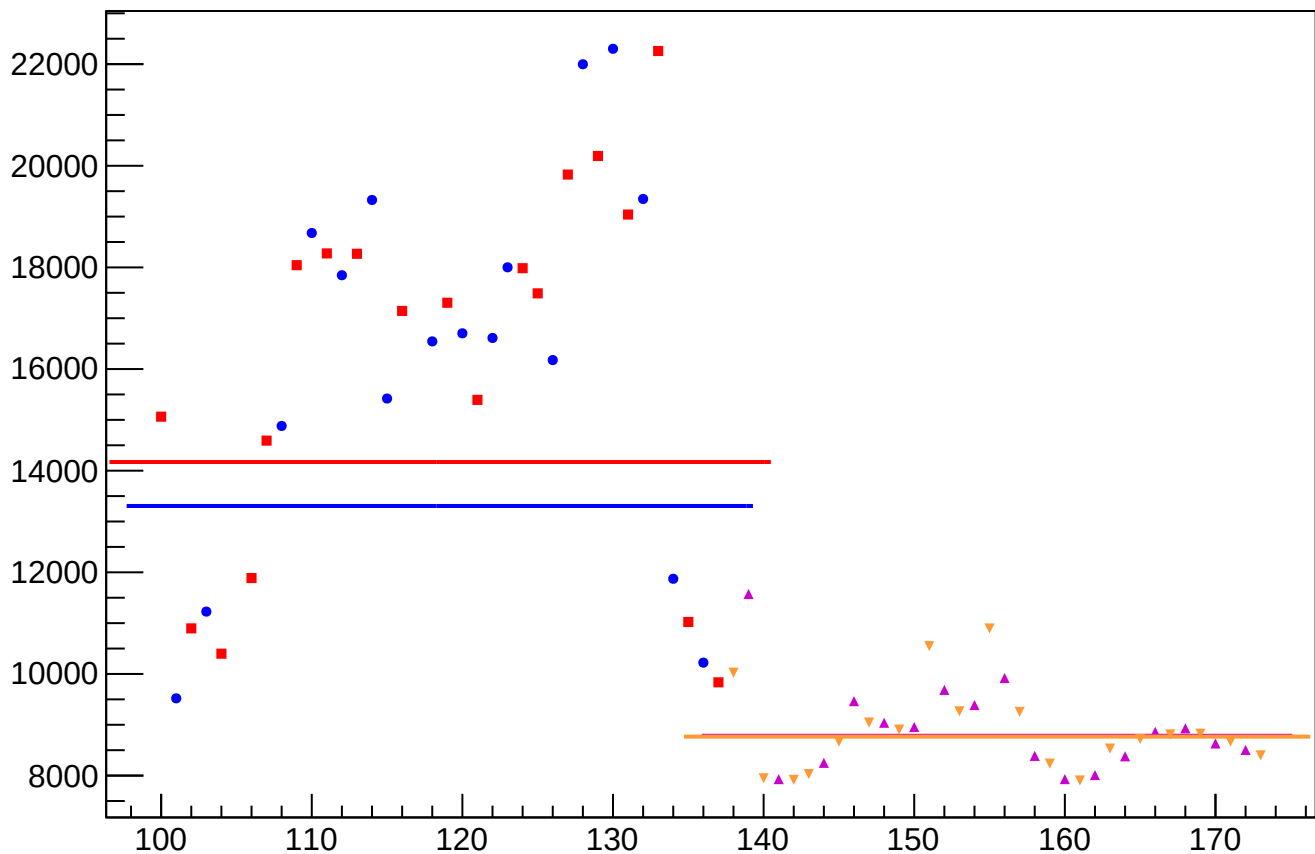
Right: 0.688 ± 3.861 χ^2/NDF : 40.2/35

In: -1.546 ± 2.214 χ^2/NDF : 45.0/33

Out: -9.082 ± 2.151 χ^2/NDF : 79.9/37

All: -5.423 ± 1.543 χ^2/NDF : 130.9/71

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410 $\pm$ 3.826 χ^2 /NDF: 1044091.1/16

Left Out: 8767.035 $\pm$ 1.652 χ^2 /NDF:207040.3/18

Right Out: 14170.668 $\pm$ 3.898 χ^2 /NDF: 930612.1/18

Left In: 8783.424 $\pm$ 1.716 χ^2 /NDF:204447.1/16

Left: 8774.918 $\pm$ 1.190 χ^2 /NDF: 411534.7/35

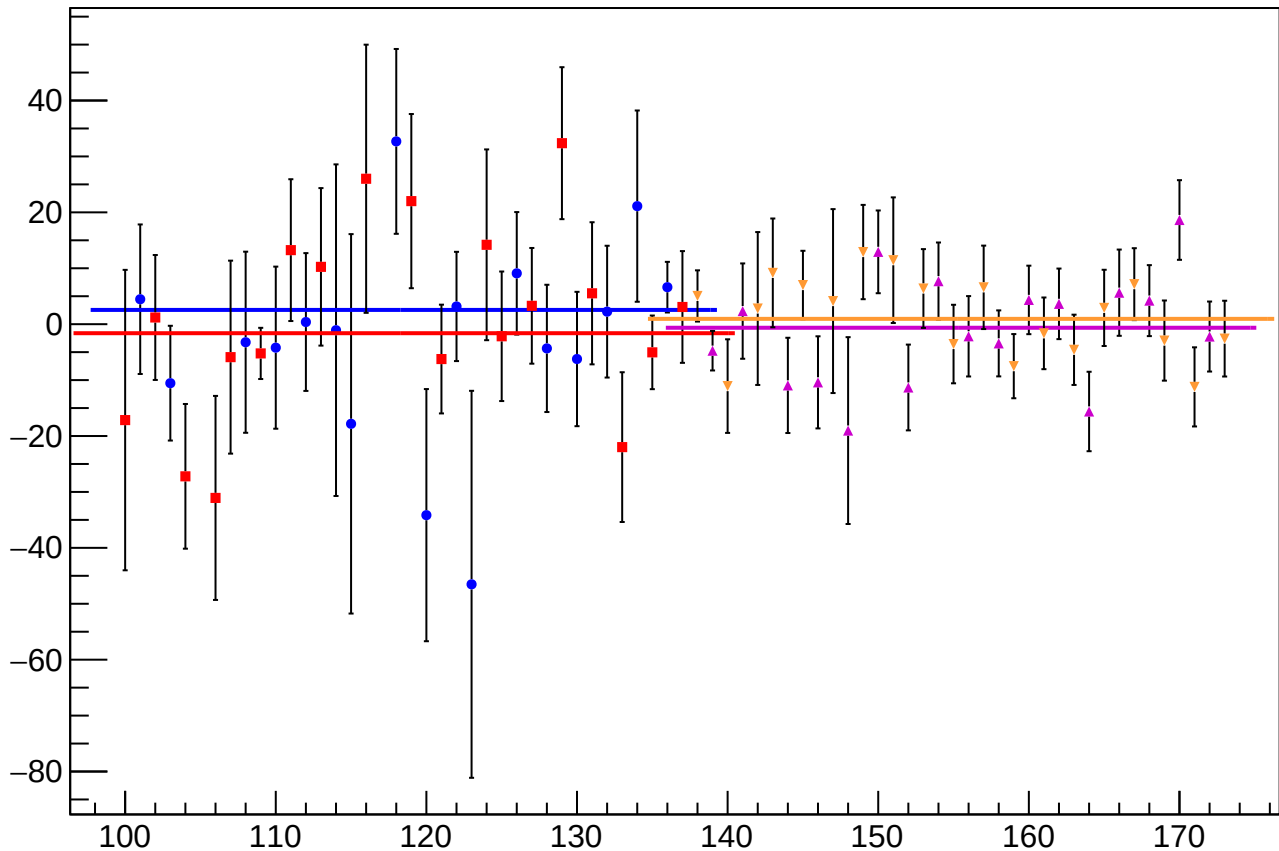
Right: 13729.884 $\pm$ 2.730 χ^2 /NDF: 1999799.5/35

In: 9540.550 $\pm$ 1.565 χ^2 /NDF:2411837.7/33

Out: 9589.395 $\pm$ 1.521 χ^2 /NDF:2766617.1/37

All: 9565.678 $\pm$ 1.091 χ^2 /NDF: 5178955.7/71

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 ± 2.757 $\chi^2/\text{NDF}: 13.6/16$

Left Out: 0.952 ± 1.632 $\chi^2/\text{NDF}: 16.7/18$

Right Out: -1.613 ± 2.442 $\chi^2/\text{NDF}: 24.0/18$

Left In: -0.638 ± 1.604 $\chi^2/\text{NDF}: 26.8/16$

Left: 0.143 ± 1.144 $\chi^2/\text{NDF}: 44.0/35$

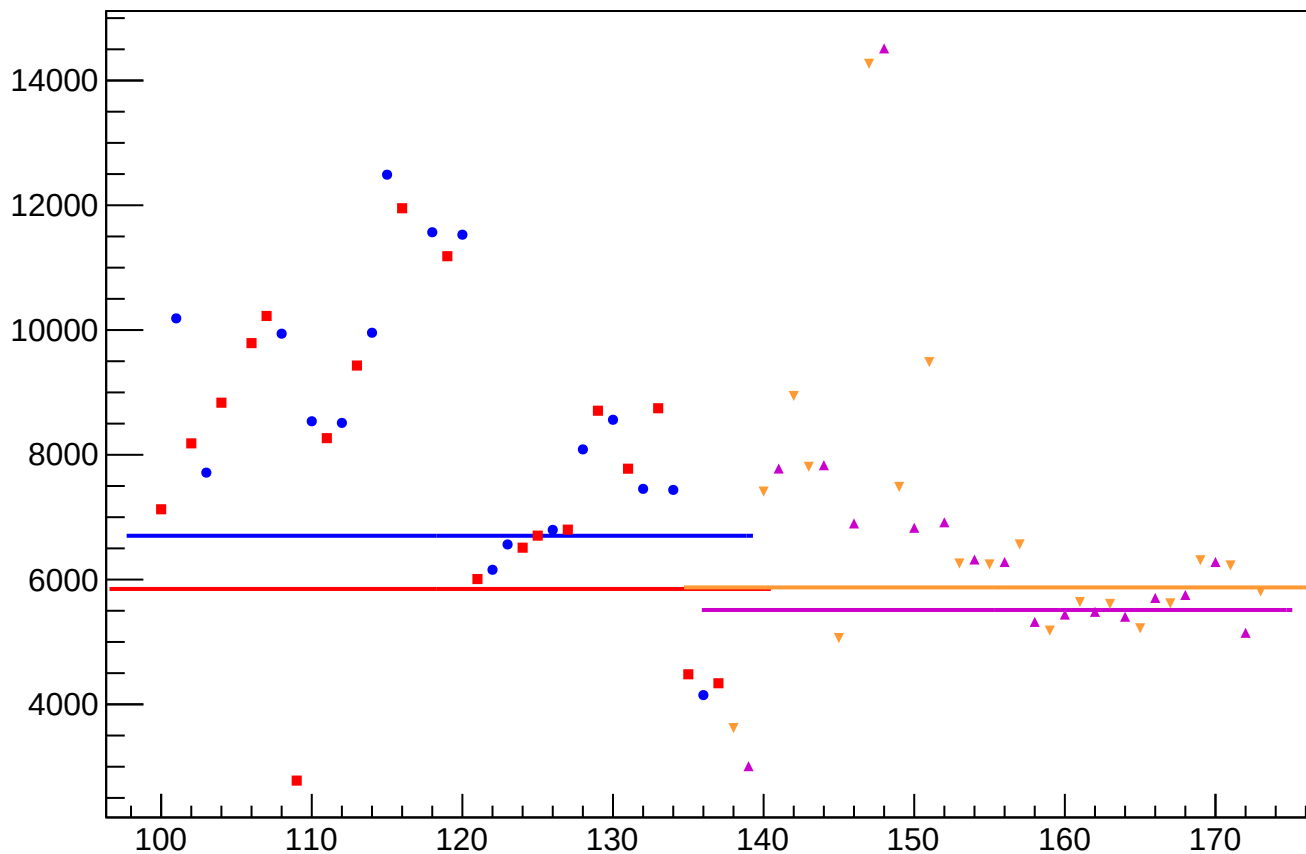
Right: 0.218 ± 1.828 $\chi^2/\text{NDF}: 38.9/35$

In: 0.168 ± 1.386 $\chi^2/\text{NDF}: 41.4/33$

Out: 0.160 ± 1.357 $\chi^2/\text{NDF}: 41.5/37$

All: 0.164 ± 0.970 $\chi^2/\text{NDF}: 82.9/71$

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5874.159+/-1.154 χ^2/NDF : 1665662.1/18

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

Left In: 5512.663+/-1.134 χ^2/NDF : 2148897.3/16

Left: 5690.313+/-0.809 χ^2/NDF : 3864472.5/35

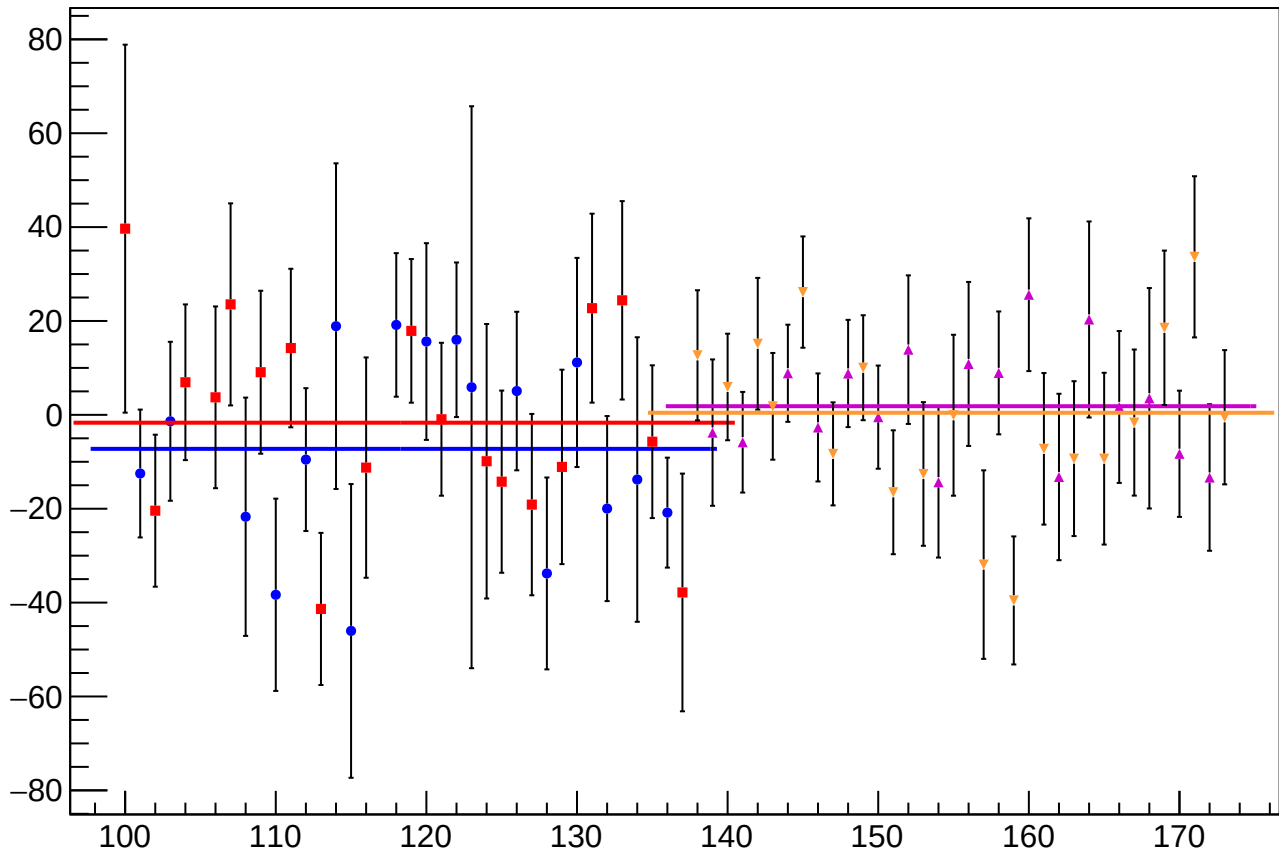
Right: 6224.538+/-1.293 χ^2/NDF : 3775609.7/35

In: 5813.563+/-0.980 χ^2/NDF : 3817057.3/33

Out: 5866.580+/-0.959 χ^2/NDF : 3944266.3/37

All: 5840.644+/-0.686 χ^2/NDF : 7762817.4/71

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: 0.448 ± 3.210 χ^2/NDF : 27.6/18

Right Out: -1.671 ± 4.373 χ^2/NDF : 19.9/18

Left In: 1.839 ± 3.388 χ^2/NDF : 9.0/16

Left: 1.106 ± 2.330 χ^2/NDF : 36.7/35

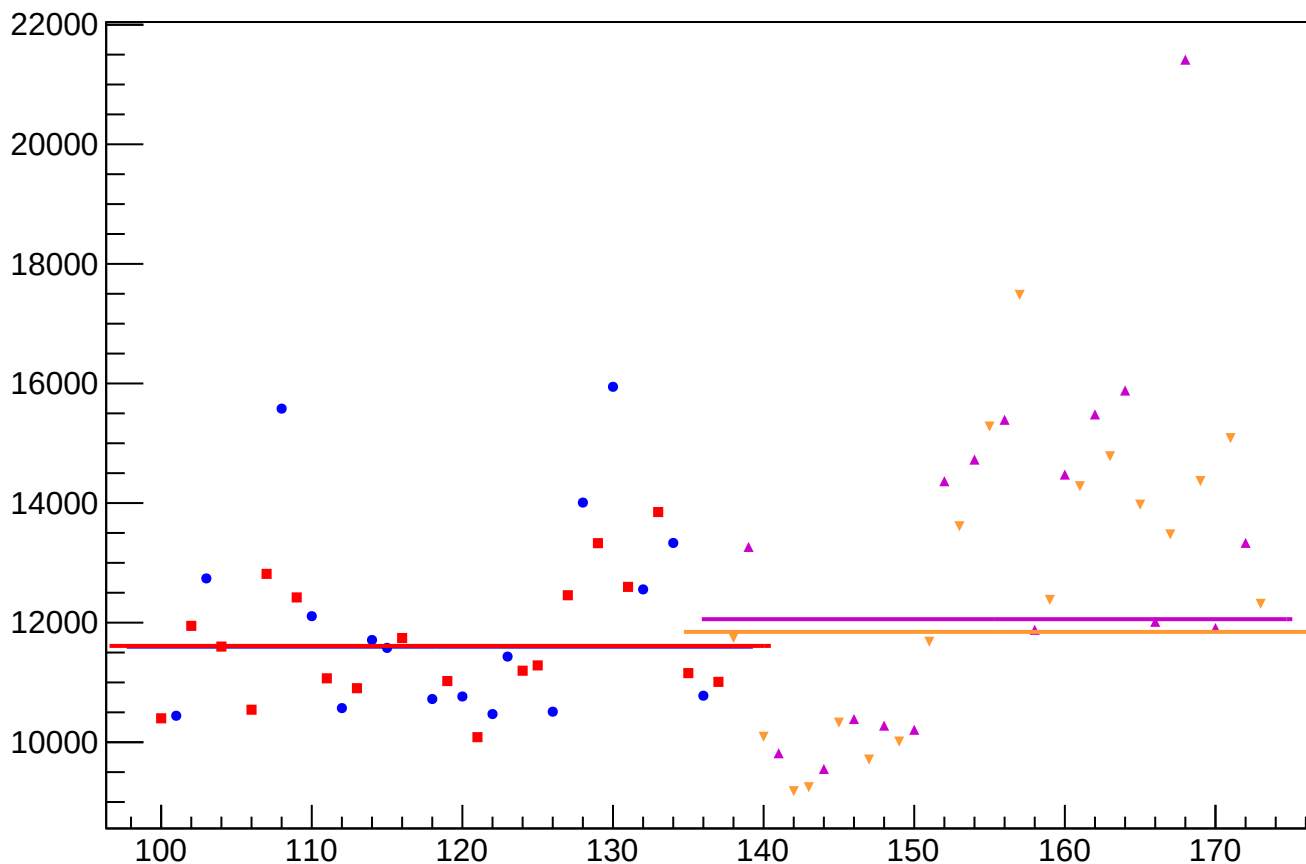
Right: -4.349 ± 3.152 χ^2/NDF : 36.6/35

In: -1.404 ± 2.717 χ^2/NDF : 27.5/33

Out: -0.294 ± 2.588 χ^2/NDF : 47.6/37

All: -0.822 ± 1.874 χ^2/NDF : 75.2/71

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 11845.321+/-2.270 χ^2/NDF : 932727.9/18

Right Out: 11610.941+/-3.092 χ^2/NDF : 94447.0/18

Left In: 12058.152+/-2.395 χ^2/NDF : 1052083.6/16

Left: 11946.007+/-1.648 χ^2/NDF : 1988971.1/35

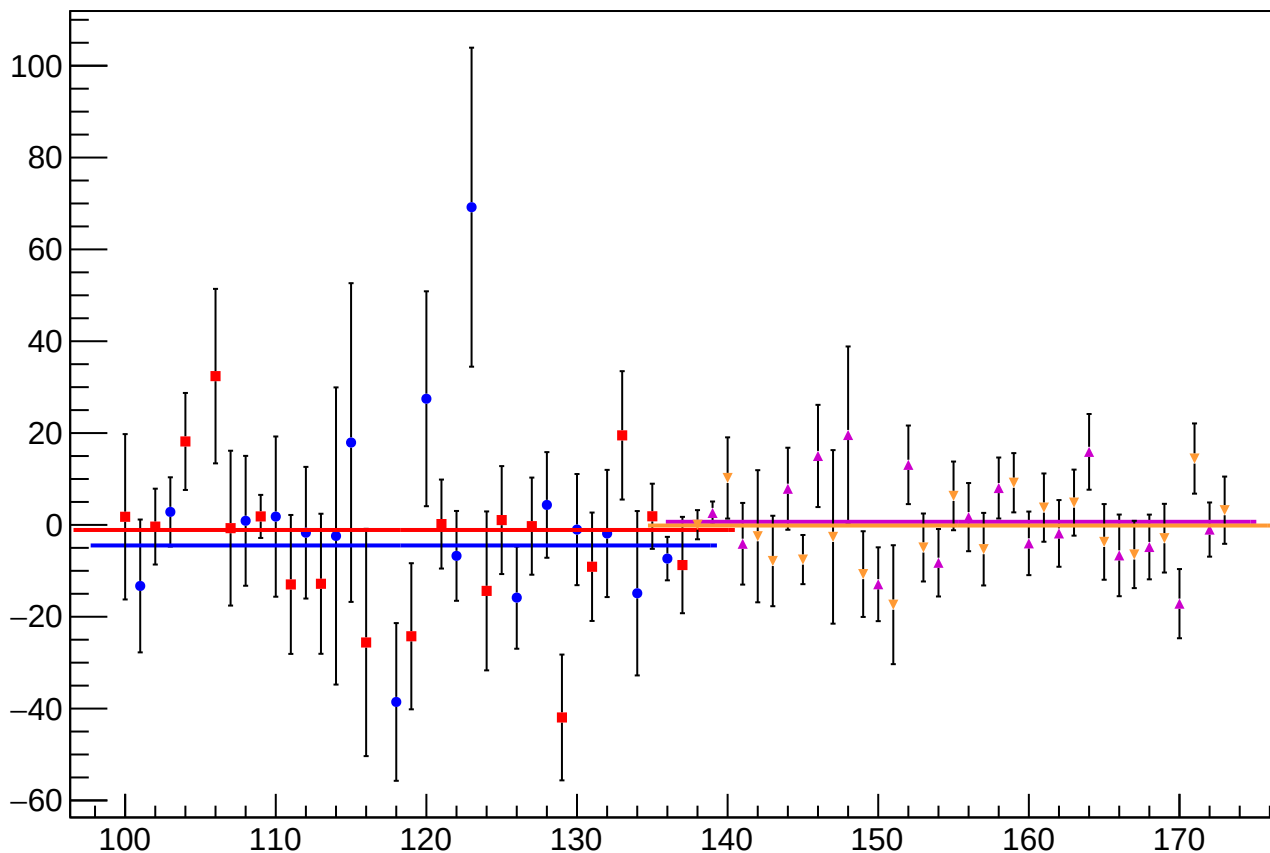
Right: 11605.084+/-2.229 χ^2/NDF : 329878.2/35

In: 11894.169+/-1.921 χ^2/NDF : 1300636.1/33

Out: 11763.255+/-1.830 χ^2/NDF : 1030908.5/37

All: 11825.532+/-1.325 χ^2/NDF : 2333979.8/71

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 ± 2.782 χ^2/NDF : 14.8/16

Left Out: -0.139 ± 1.617 χ^2/NDF : 16.3/18

Right Out: -1.105 ± 2.429 χ^2/NDF : 24.0/18

Left In: 0.674 ± 1.544 χ^2/NDF : 22.8/16

Left: 0.286 ± 1.117 χ^2/NDF : 39.3/35

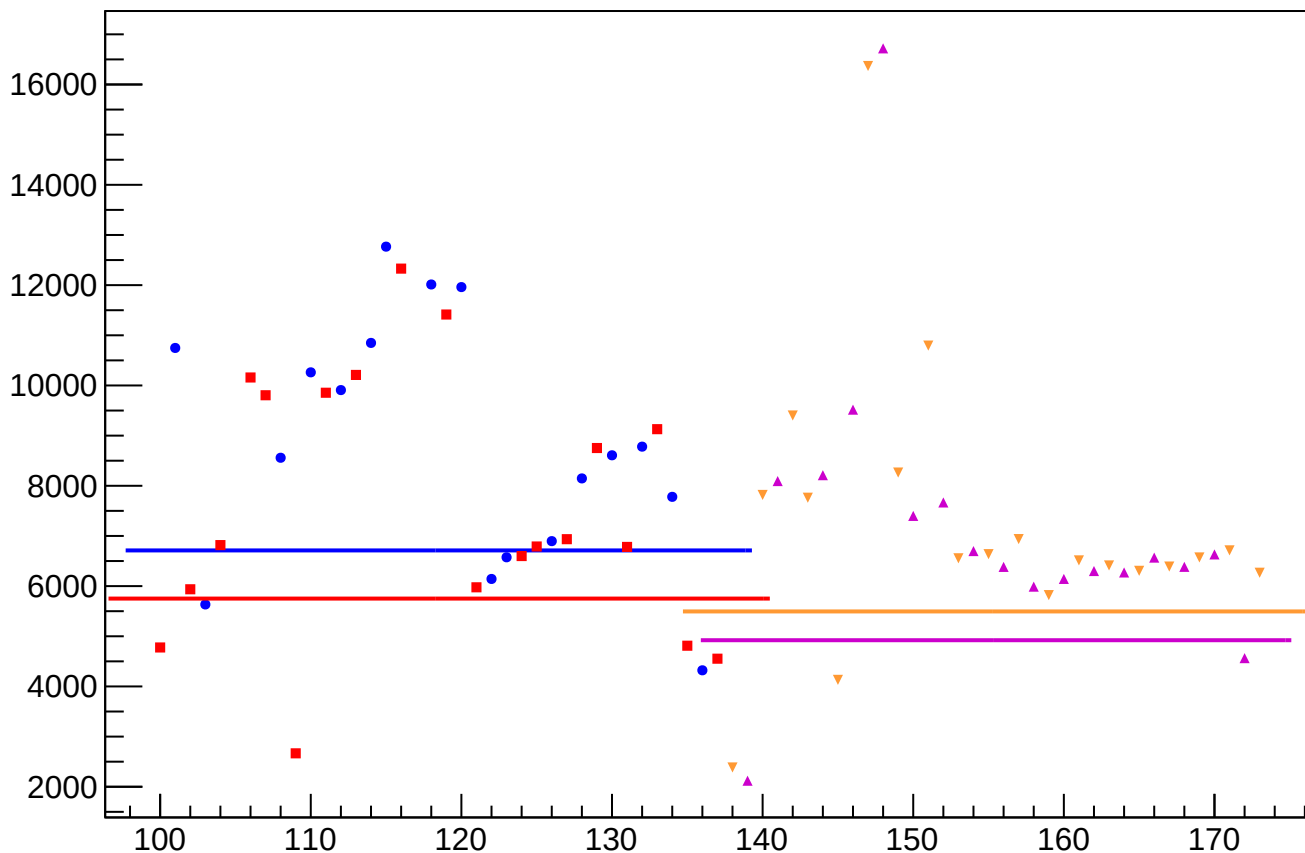
Right: -2.563 ± 1.830 χ^2/NDF : 39.7/35

In: -0.539 ± 1.350 χ^2/NDF : 40.3/33

Out: -0.435 ± 1.346 χ^2/NDF : 40.5/37

All: -0.487 ± 0.953 χ^2/NDF : 80.8/71

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550 ± 1.967 $\chi^2/\text{NDF}: 1446972.0/16$

Left Out: 5495.168 ± 1.143 $\chi^2/\text{NDF}: 4003375.2/18$

Right Out: 5751.505 ± 1.718 $\chi^2/\text{NDF}: 2165110.0/18$

Left In: 4921.425 ± 1.092 $\chi^2/\text{NDF}: 5240020.8/16$

Left: 5195.226 ± 0.790 $\chi^2/\text{NDF}: 9375108.8/35$

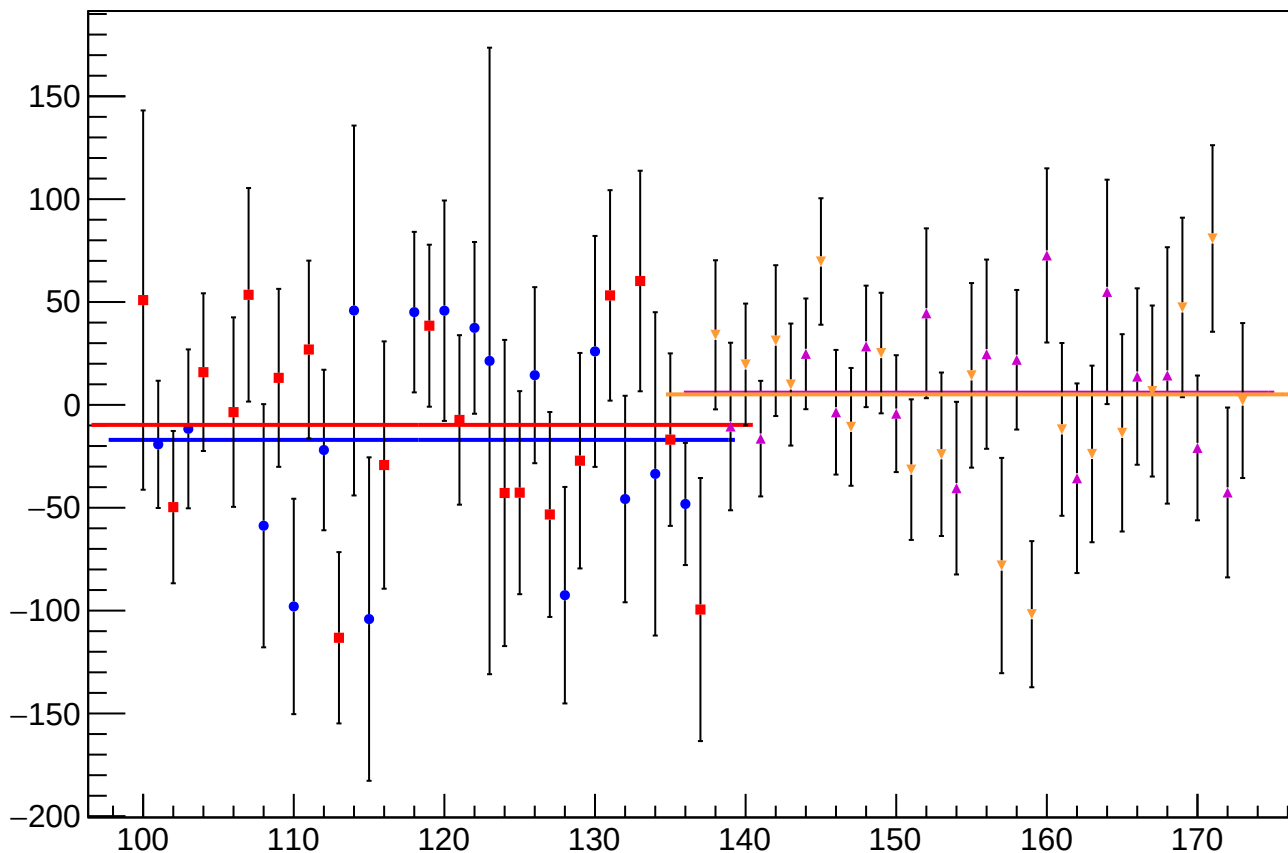
Right: 6166.836 ± 1.294 $\chi^2/\text{NDF}: 3747249.5/35$

In: 5343.239 ± 0.955 $\chi^2/\text{NDF}: 7320103.8/33$

Out: 5573.852 ± 0.952 $\chi^2/\text{NDF}: 6183922.5/37$

All: 5458.936 ± 0.674 $\chi^2/\text{NDF}: 13533293.3/71$

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 ± 11.287 χ^2/NDF : 15.0/16

Left Out: 5.110 ± 8.389 χ^2/NDF : 24.4/18

Right Out: -9.719 ± 10.891 χ^2/NDF : 19.1/18

Left In: 5.941 ± 8.844 χ^2/NDF : 10.7/16

Left: 5.503 ± 6.087 χ^2/NDF : 35.1/35

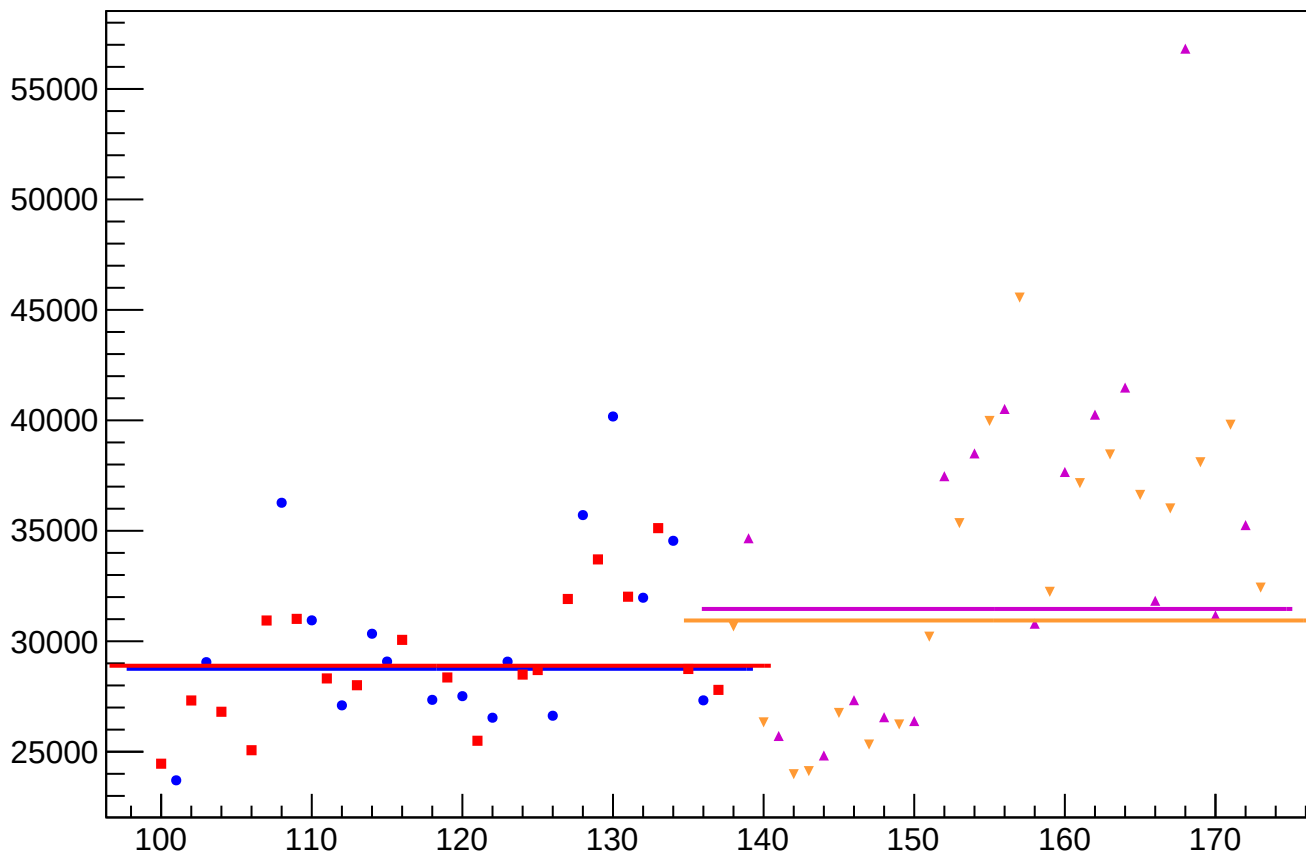
Right: -13.234 ± 7.837 χ^2/NDF : 34.3/35

In: -2.790 ± 6.962 χ^2/NDF : 28.2/33

Out: -0.412 ± 6.646 χ^2/NDF : 44.6/37

All: -1.546 ± 4.807 χ^2/NDF : 72.9/71

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 30940.769+/-5.932 χ^2/NDF : 953727.4/18

Right Out: 28892.154+/-7.701 χ^2/NDF : 111241.2/18

Left In: 31462.680+/-6.254 χ^2/NDF : 1082367.5/16

Left: 31187.941+/-4.304 χ^2/NDF : 2039761.0/35

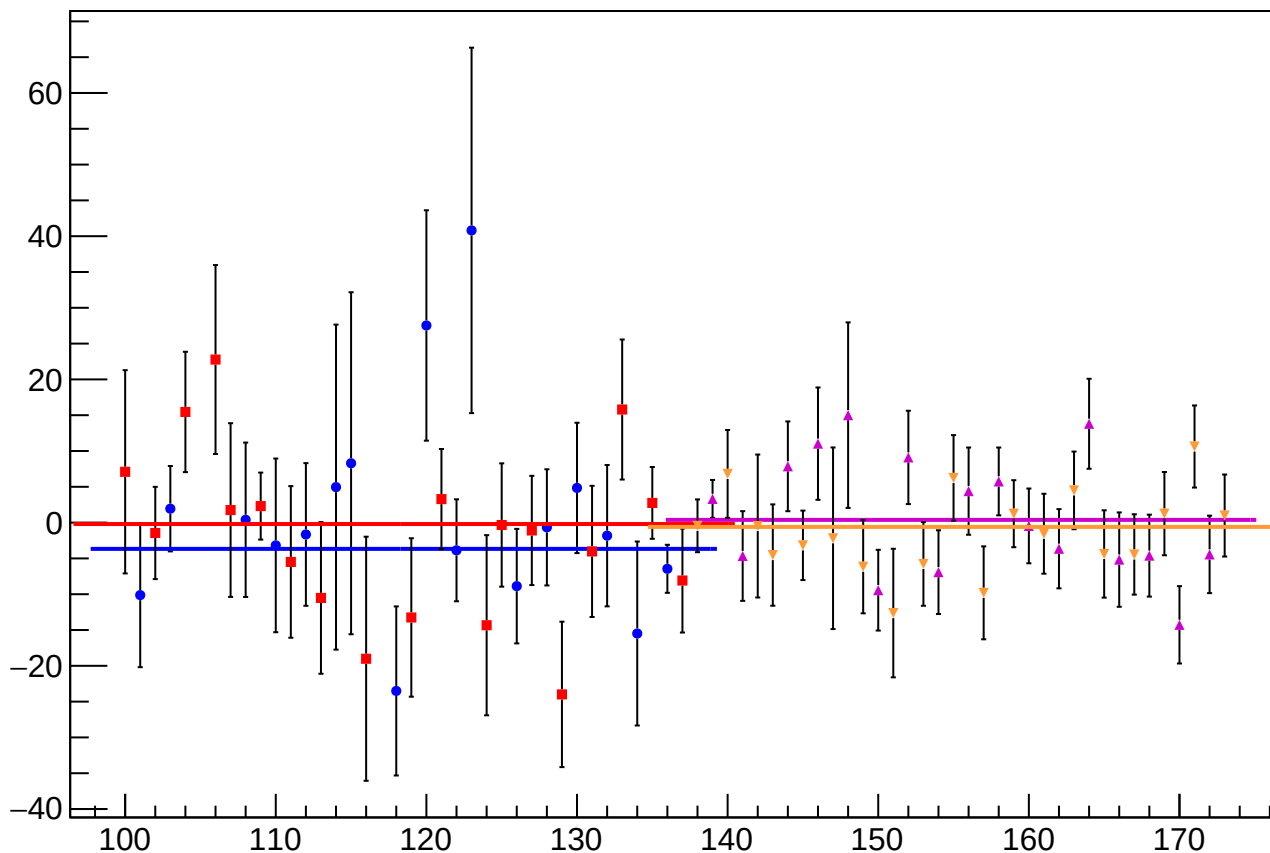
Right: 28825.443+/-5.542 χ^2/NDF : 360612.0/35

In: 30432.140+/-4.923 χ^2/NDF : 1402956.8/33

Out: 30177.879+/-4.699 χ^2/NDF : 1109383.3/37

All: 30299.112+/-3.399 χ^2/NDF : 2513735.8/71

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -0.599 ± 1.340 χ^2/NDF : 14.6/18

Right Out: -0.199 ± 1.893 χ^2/NDF : 22.3/18

Left In: 0.382 ± 1.304 χ^2/NDF : 29.3/16

Left: -0.095 ± 0.934 χ^2/NDF : 44.2/35

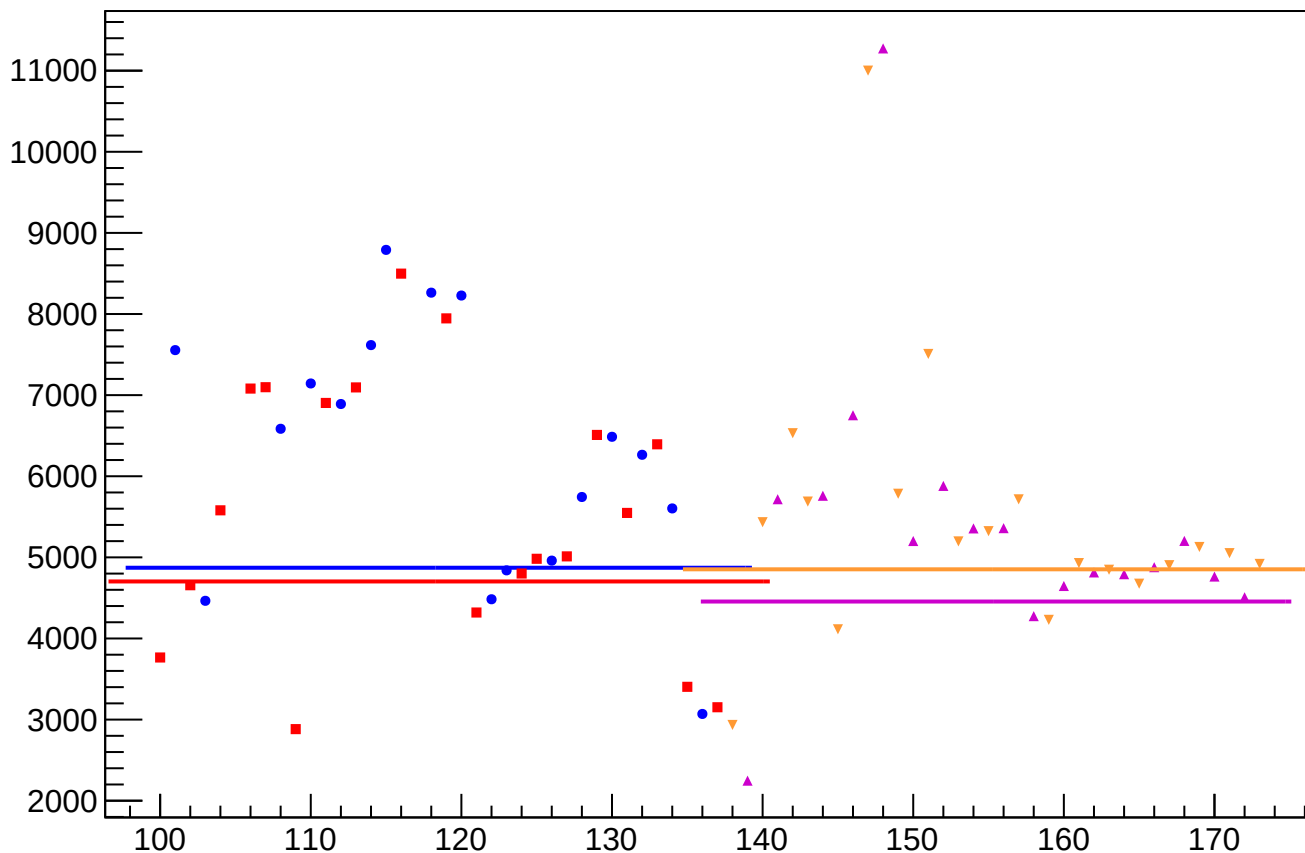
Right: -1.830 ± 1.378 χ^2/NDF : 38.4/35

In: -0.818 ± 1.094 χ^2/NDF : 46.6/33

Out: -0.466 ± 1.094 χ^2/NDF : 37.0/37

All: -0.642 ± 0.773 χ^2/NDF : 83.7/71

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105+/-1.421 χ^2/NDF : 1405253.2/16

Left Out: 4852.674+/-0.948 χ^2/NDF : 1476565.5/18

Right Out: 4702.994+/-1.338 χ^2/NDF : 1312720.8/18

Left In: 4455.474+/-0.922 χ^2/NDF : 2577159.8/16

Left: 4648.594+/-0.661 χ^2/NDF : 4144008.5/35

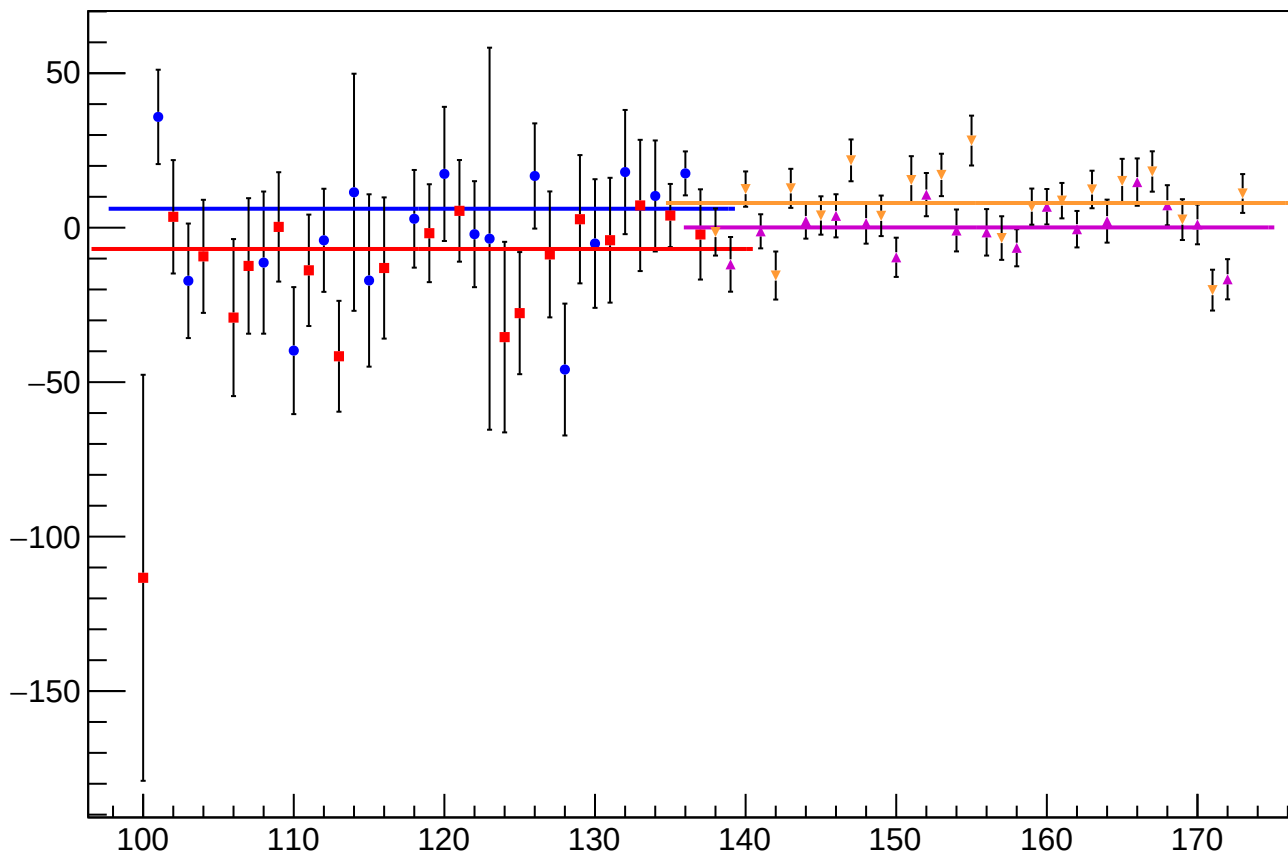
Right: 4782.480+/-0.974 χ^2/NDF : 2725478.8/35

In: 4578.846+/-0.773 χ^2/NDF : 4042910.9/33

Out: 4802.696+/-0.773 χ^2/NDF : 2797618.2/37

All: 4690.769+/-0.547 χ^2/NDF : 6882422.5/71

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 7.991 ± 1.517 χ^2/NDF : 51.4/18

Right Out: -6.892 ± 4.224 χ^2/NDF : 12.5/18

Left In: 0.085 ± 1.581 χ^2/NDF : 21.3/16

Left: 4.202 ± 1.095 χ^2/NDF : 85.7/35

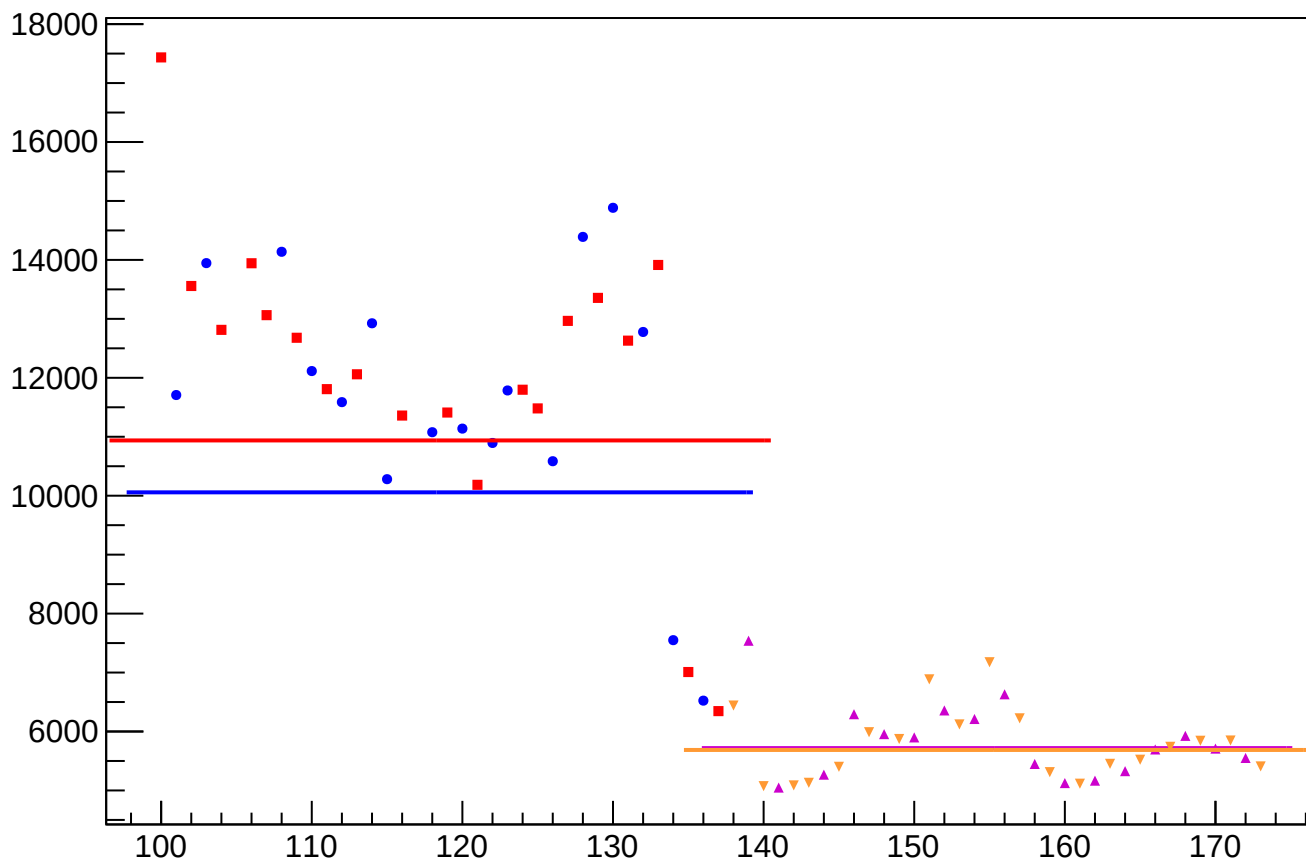
Right: -0.153 ± 2.935 χ^2/NDF : 39.6/35

In: 0.875 ± 1.474 χ^2/NDF : 45.4/33

Out: 6.292 ± 1.428 χ^2/NDF : 74.9/37

All: 3.670 ± 1.026 χ^2/NDF : 127.2/71

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5686.858 $\pm$ 1.073 χ^2 /NDF:254162.2/18

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

Left In: 5718.526 $\pm$ 1.118 χ^2 /NDF:253579.6/16

Left: 5702.036 $\pm$ 0.774 χ^2 /NDF: 508159.6/35

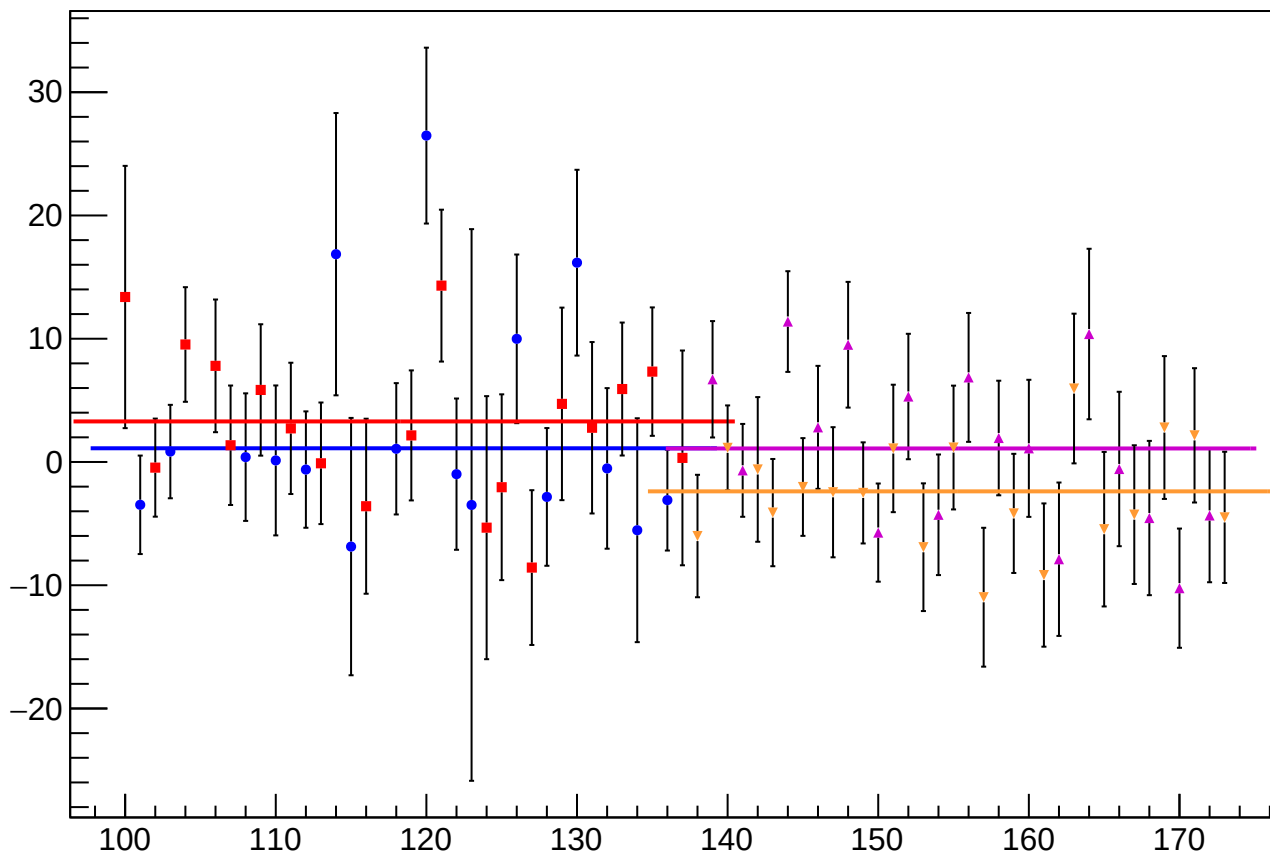
Right: 10481.996 $\pm$ 2.075 χ^2 /NDF: 1810742.6/35

In: 6284.875 $\pm$ 1.042 χ^2 /NDF:3222475.7/33

Out: 6286.482 $\pm$ 1.009 χ^2 /NDF:3754057.5/37

All: 6285.705 $\pm$ 0.725 χ^2 /NDF: 6976534.5/71

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 $\chi^2/\text{NDF}: 24.6/16$

Left Out: -2.383 ± 1.142 $\chi^2/\text{NDF}: 11.3/18$

Right Out: 3.290 ± 1.334 $\chi^2/\text{NDF}: 15.1/18$

Left In: 1.096 ± 1.206 $\chi^2/\text{NDF}: 28.2/16$

Left: -0.739 ± 0.829 $\chi^2/\text{NDF}: 43.9/35$

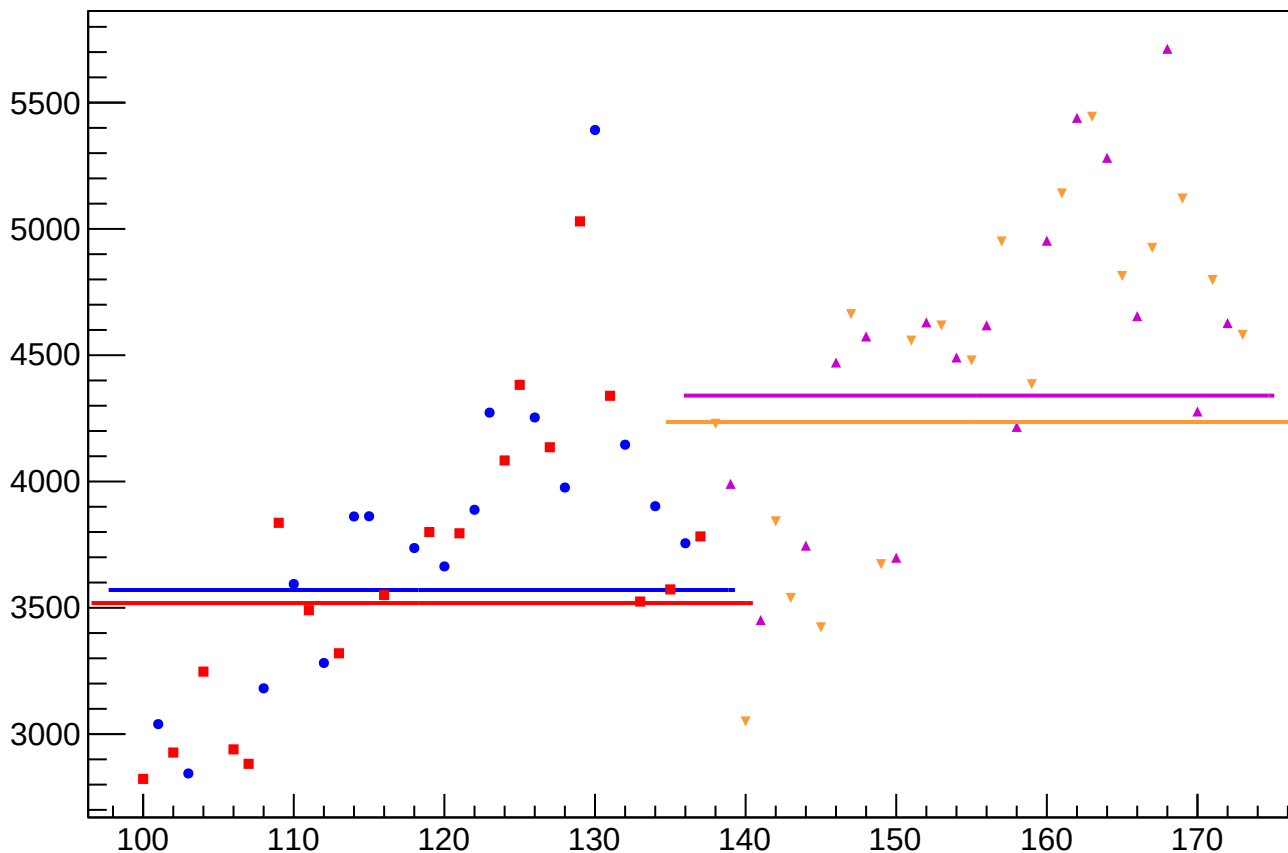
Right: 2.256 ± 0.967 $\chi^2/\text{NDF}: 40.9/35$

In: 1.103 ± 0.915 $\chi^2/\text{NDF}: 52.8/33$

Out: 0.017 ± 0.867 $\chi^2/\text{NDF}: 36.8/37$

All: 0.531 ± 0.629 $\chi^2/\text{NDF}: 90.3/71$

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4235.498+/-0.807 χ^2/NDF : 740951.4/18

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

Left In: 4340.047+/-0.853 χ^2/NDF : 468609.8/16

Left: 4284.901+/-0.586 χ^2/NDF : 1217483.8/35

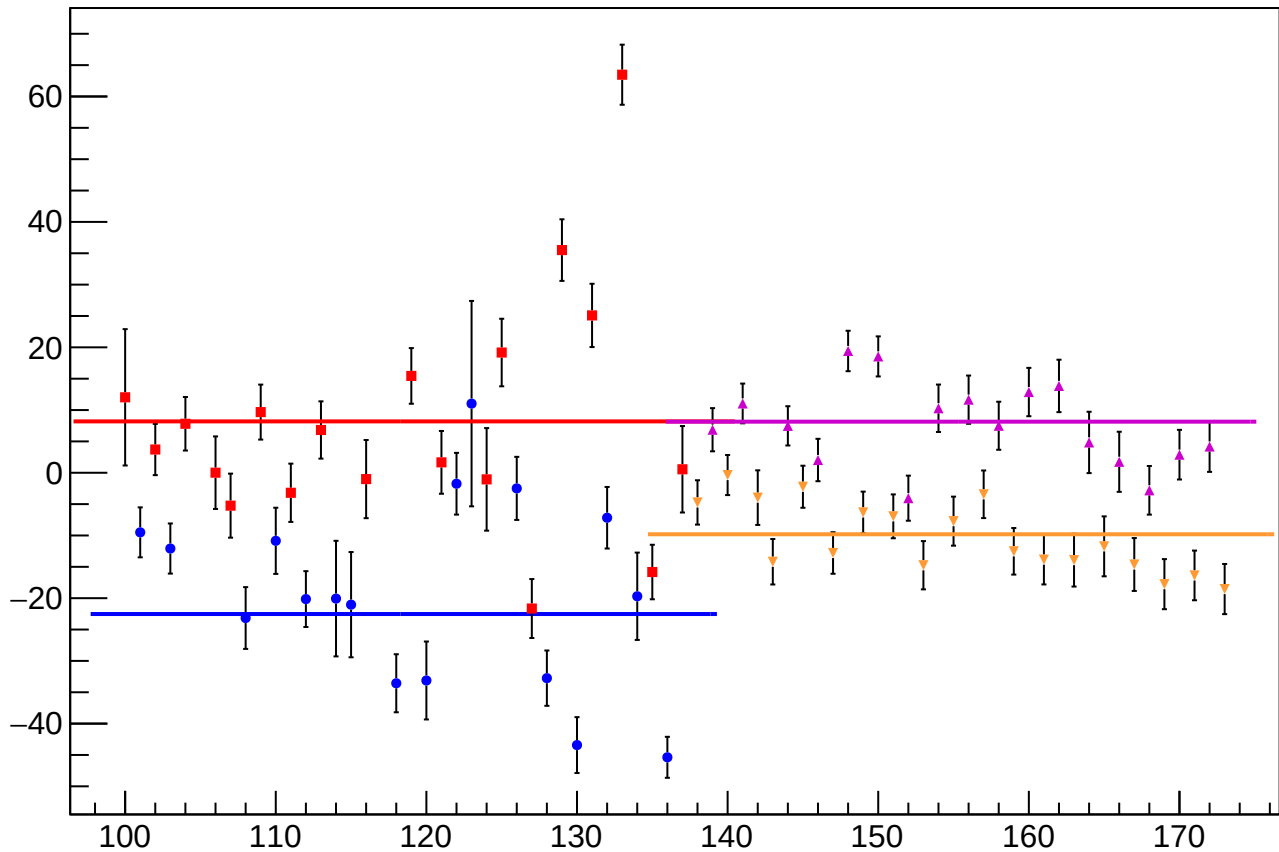
Right: 3543.379+/-0.683 χ^2/NDF : 604512.8/35

In: 4012.866+/-0.647 χ^2/NDF : 1124301.5/33

Out: 3932.363+/-0.613 χ^2/NDF : 1367547.2/37

All: 3970.478+/-0.445 χ^2/NDF : 2500005.7/71

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 ± 1.201 χ^2/NDF : 155.5/16

Left Out: -9.808 ± 0.863 χ^2/NDF : 42.0/18

Right Out: 8.192 ± 1.157 χ^2/NDF : 275.8/18

Left In: 8.147 ± 0.894 χ^2/NDF : 56.1/16

Left: -1.148 ± 0.621 χ^2/NDF : 307.1/35

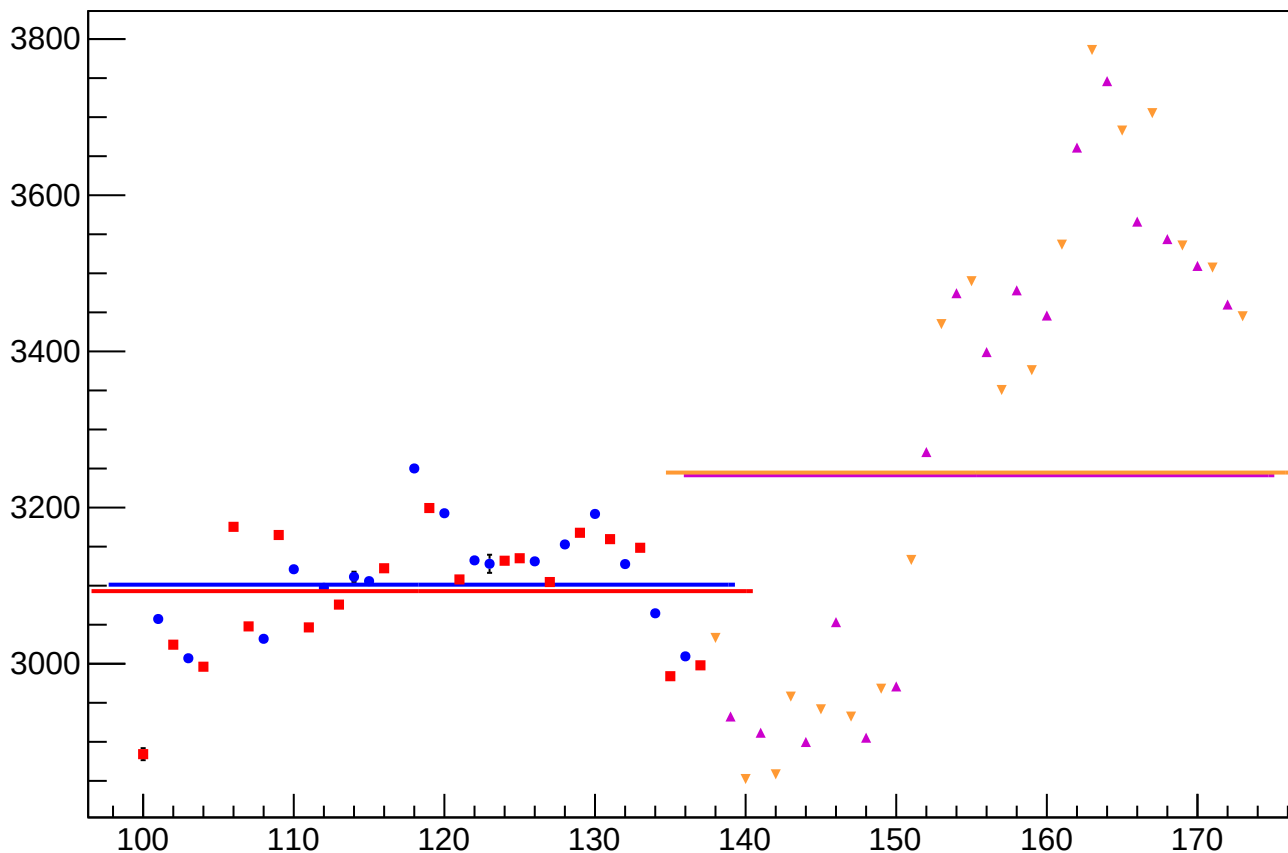
Right: -6.598 ± 0.833 χ^2/NDF : 770.8/35

In: -2.789 ± 0.717 χ^2/NDF : 631.7/33

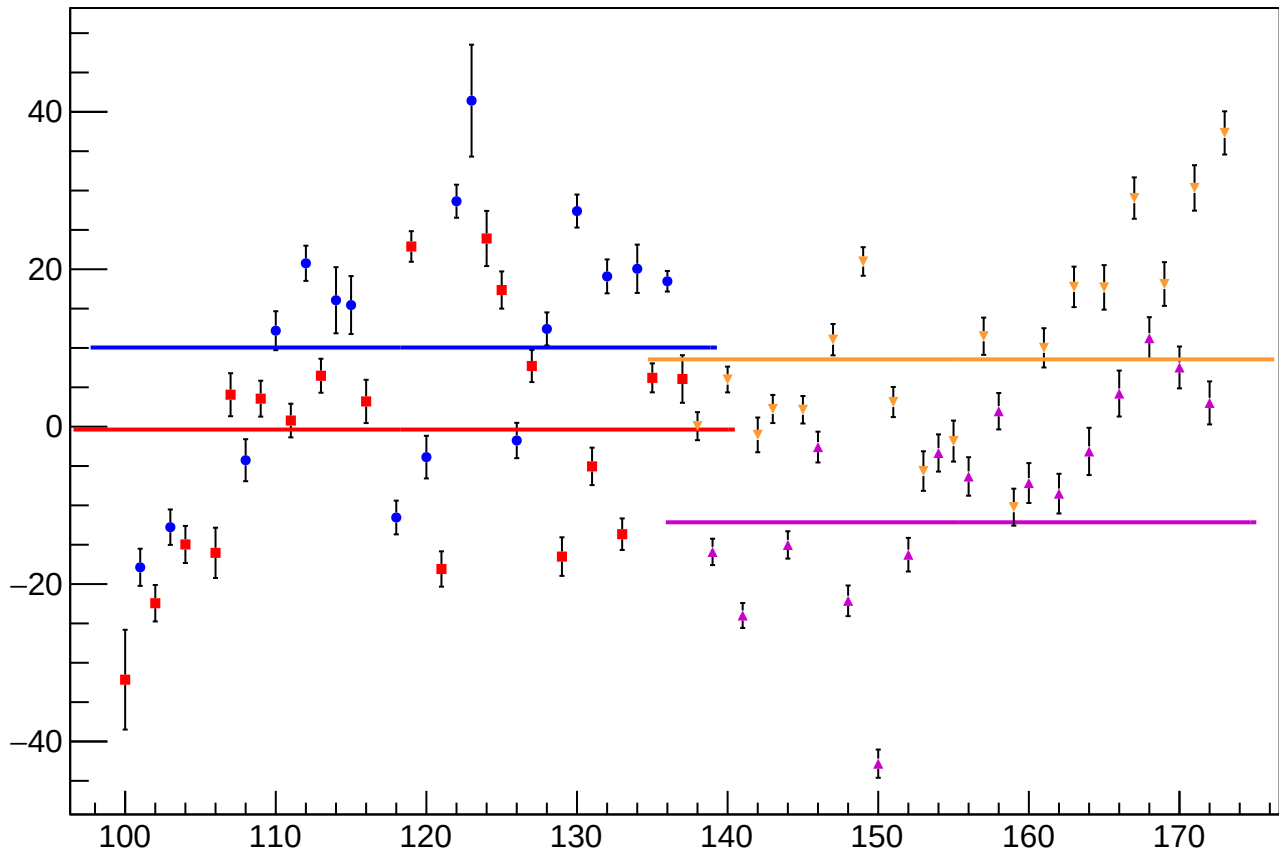
Out: -3.377 ± 0.692 χ^2/NDF : 473.4/37

All: -3.093 ± 0.498 χ^2/NDF : 1105.4/71

diff_bpm0l01X_rms vs Slug, Sign Corrected



diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055 ± 0.562 $\chi^2/\text{NDF}: 692.2/16$

Left Out: 8.553 ± 0.501 $\chi^2/\text{NDF}: 502.6/18$

Right Out: -0.367 ± 0.547 $\chi^2/\text{NDF}: 629.8/18$

Left In: -12.150 ± 0.525 $\chi^2/\text{NDF}: 675.0/16$

Left: -1.308 ± 0.362 $\chi^2/\text{NDF}: 1992.4/35$

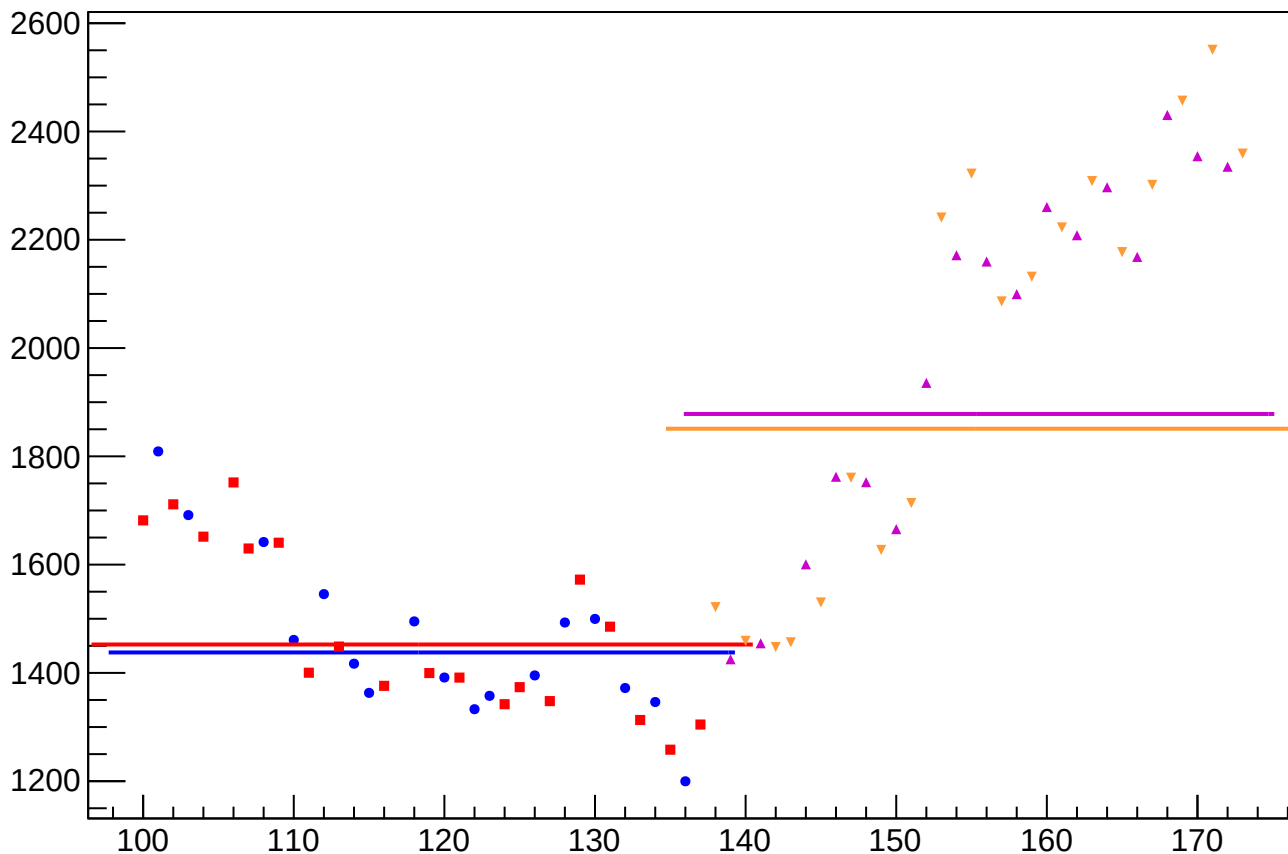
Right: 4.707 ± 0.392 $\chi^2/\text{NDF}: 1498.8/35$

In: -1.798 ± 0.383 $\chi^2/\text{NDF}: 2201.6/33$

Out: 4.488 ± 0.369 $\chi^2/\text{NDF}: 1277.2/37$

All: 1.463 ± 0.266 $\chi^2/\text{NDF}: 3618.2/71$

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 $\pm$ 0.397 χ^2/NDF : 173216.2/16

Left Out: 1851.013 $\pm$ 0.354 χ^2/NDF : 1095220.4/18

Right Out: 1452.469 $\pm$ 0.387 χ^2/NDF : 138605.8/18

Left In: 1878.258 $\pm$ 0.371 χ^2/NDF : 805086.7/16

Left: 1863.991 $\pm$ 0.256 χ^2/NDF : 1903129.0/35

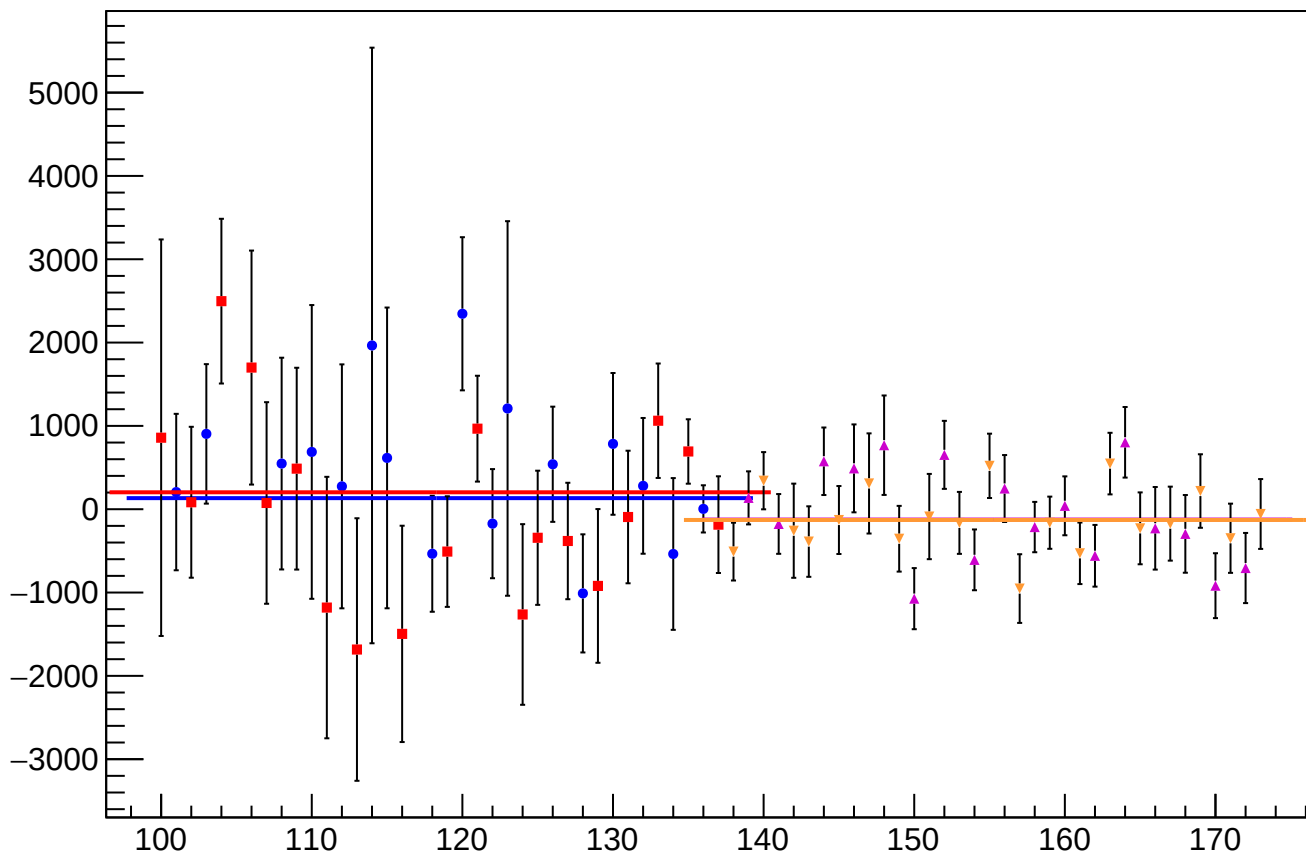
Right: 1445.316 $\pm$ 0.277 χ^2/NDF : 312524.3/35

In: 1672.912 $\pm$ 0.271 χ^2/NDF : 1634977.8/33

Out: 1669.379 $\pm$ 0.261 χ^2/NDF : 1811616.7/37

All: 1671.079 $\pm$ 0.188 χ^2/NDF : 3446682.6/71

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921+/-180.271 χ^2/NDF : 12.9/16

Left Out: -128.980+/-92.729 χ^2/NDF : 16.7/18

Right Out: 203.062+/-184.353 χ^2/NDF : 21.4/18

Left In: -124.005+/-95.342 χ^2/NDF : 32.9/16

Left: -126.561+/-66.474 χ^2/NDF : 49.7/35

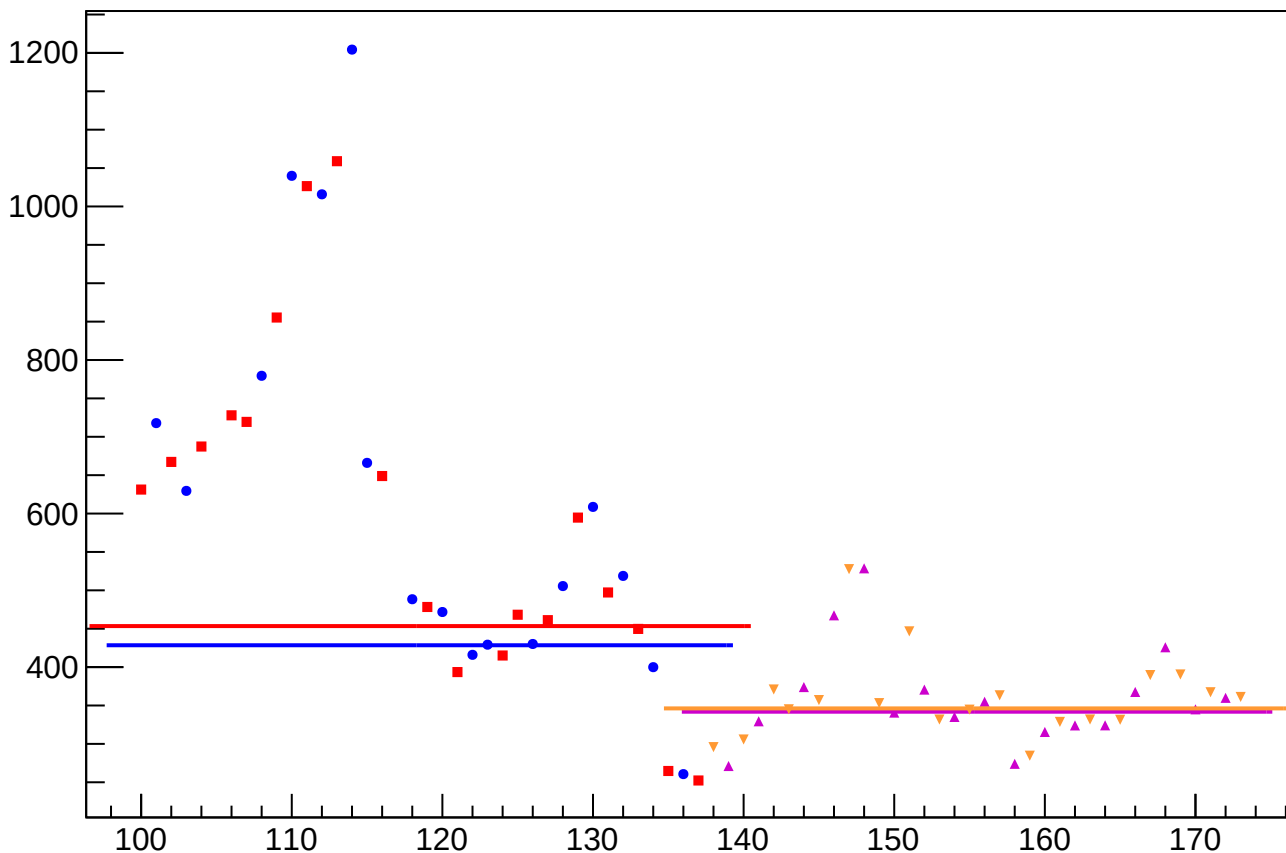
Right: 167.206+/-128.890 χ^2/NDF : 34.4/35

In: -67.847+/-84.280 χ^2/NDF : 47.4/33

Out: -61.934+/-82.840 χ^2/NDF : 40.8/37

All: -64.839+/-59.079 χ^2/NDF : 88.1/71

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460+/-0.127 χ^2/NDF : 2011453.8/16

Left Out: 346.212+/-0.066 χ^2/NDF : 475728.4/18

Right Out: 453.435+/-0.130 χ^2/NDF : 2029813.8/18

Left In: 341.914+/-0.067 χ^2/NDF : 629689.1/16

Left: 344.122+/-0.047 χ^2/NDF : 1107506.1/35

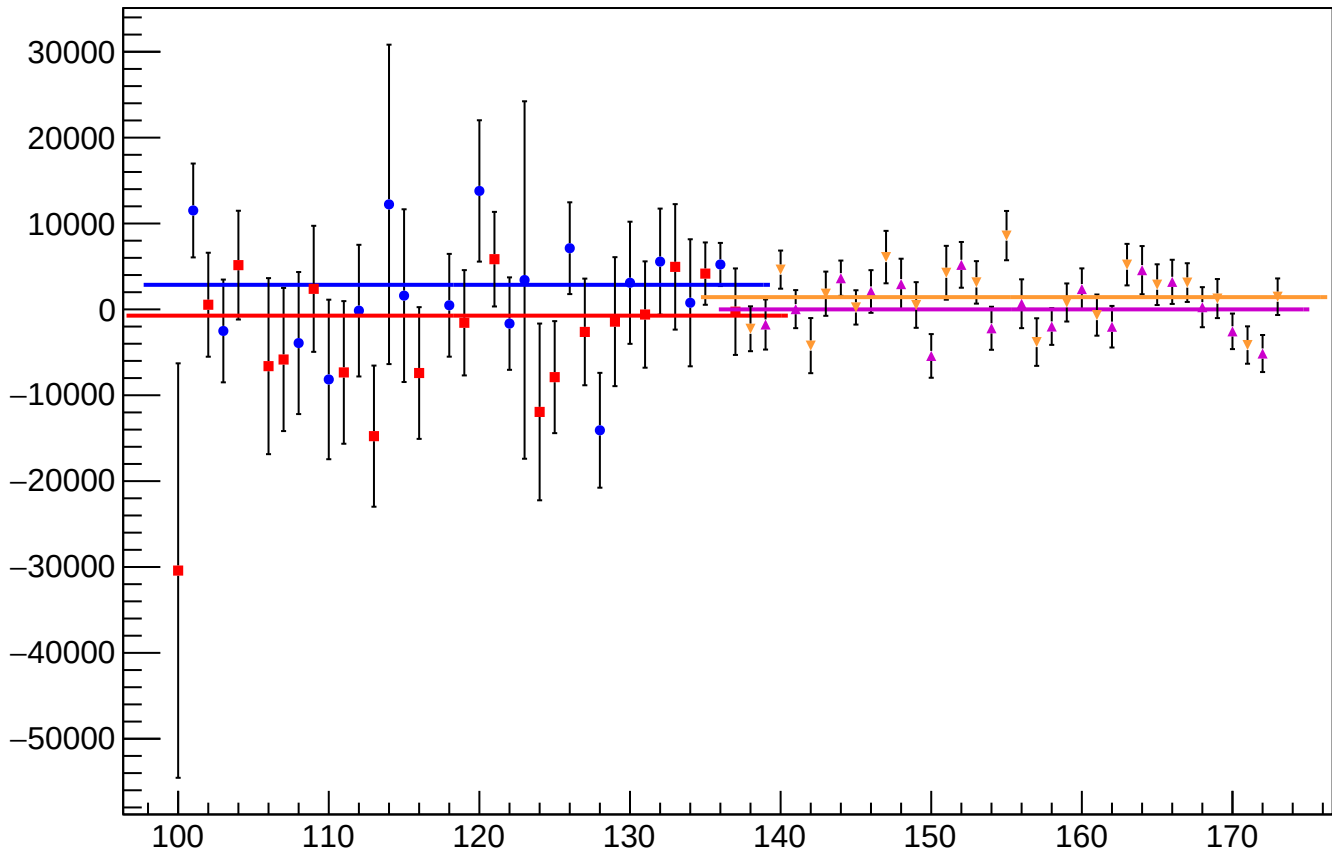
Right: 440.668+/-0.091 χ^2/NDF : 4060031.3/35

In: 360.831+/-0.060 χ^2/NDF : 3001362.0/33

Out: 367.862+/-0.059 χ^2/NDF : 3045497.1/37

All: 364.407+/-0.042 χ^2/NDF : 6053939.6/71

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622+/-1447.884 χ^2/NDF : 16.7/16

Left Out: 1426.102+/-562.479 χ^2/NDF : 31.9/18

Right Out: -729.571+/-1509.224 χ^2/NDF : 14.0/18

Left In: -1.320+/-588.864 χ^2/NDF : 28.3/16

Left: 745.086+/-406.740 χ^2/NDF : 63.2/35

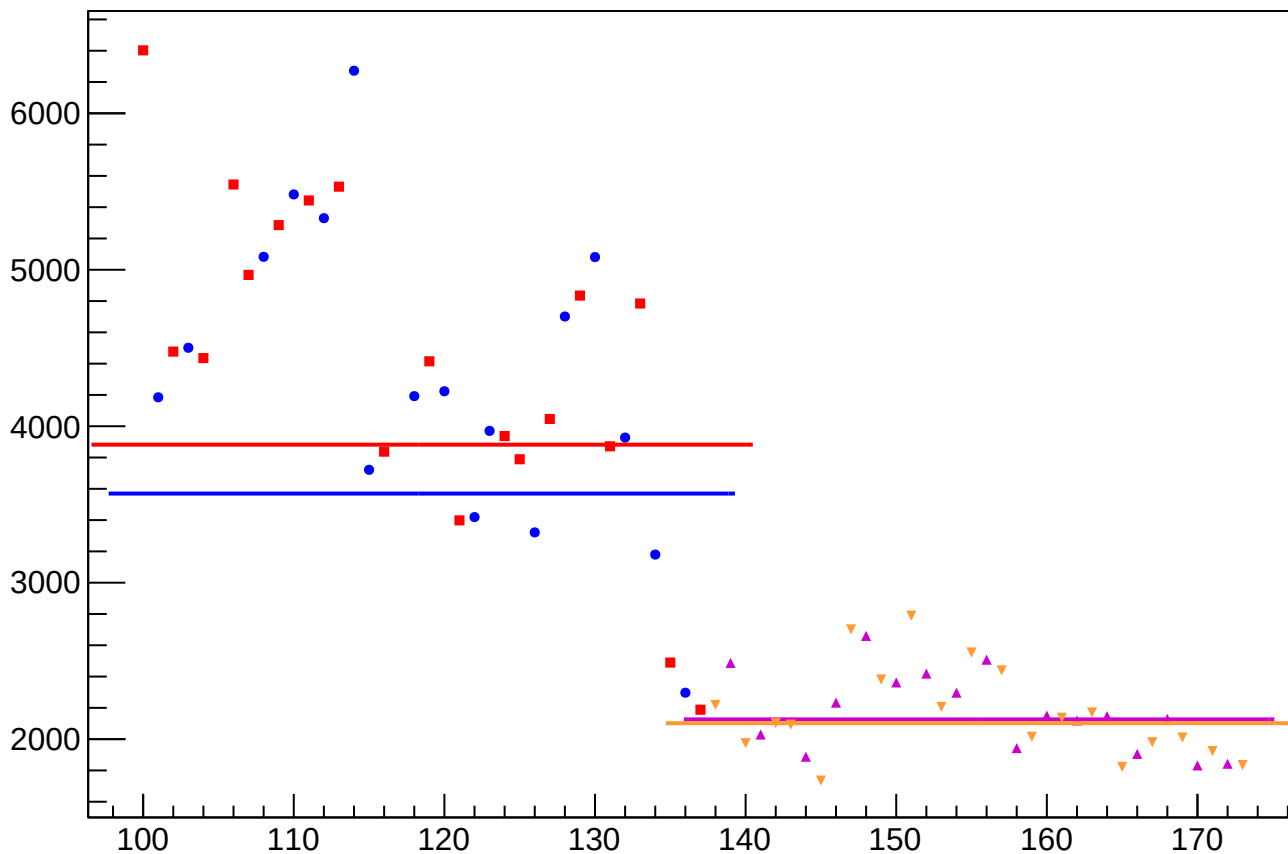
Right: 1139.446+/-1044.821 χ^2/NDF : 33.6/35

In: 404.742+/-545.476 χ^2/NDF : 48.3/33

Out: 1163.196+/-527.064 χ^2/NDF : 47.7/37

All: 796.985+/-379.032 χ^2/NDF : 97.0/71

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631 $\pm$ 1.024 χ^2/NDF : 1087935.4/16

Left Out: 2101.876 $\pm$ 0.398 χ^2/NDF :442971.7/18

Right Out: 3882.169 $\pm$ 1.067 χ^2/NDF : 983087.5/18

Left In: 2126.253 $\pm$ 0.416 χ^2/NDF :321508.2/16

Left: 2113.506 $\pm$ 0.288 χ^2/NDF : 766272.2/35

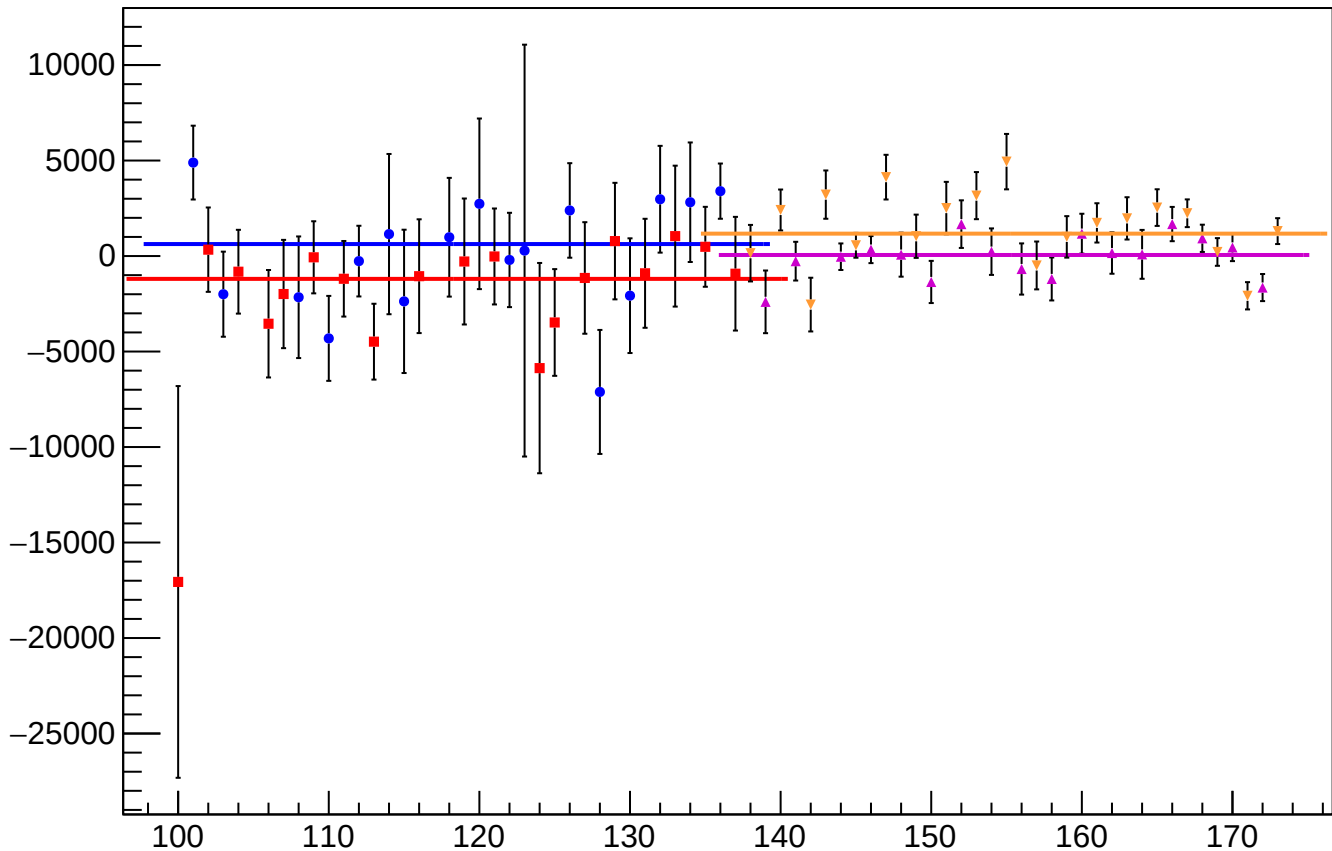
Right: 3719.420 $\pm$ 0.739 χ^2/NDF : 2115685.3/35

In: 2331.116 $\pm$ 0.386 χ^2/NDF :3114912.8/33

Out: 2319.001 $\pm$ 0.373 χ^2/NDF :3869599.0/37

All: 2324.851 $\pm$ 0.268 χ^2/NDF : 6985022.0/71

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655+/-620.929 χ^2/NDF : 25.1/16

Left Out: 1172.750+/-222.101 χ^2/NDF :58.3/18

Right Out: -1195.385+/-603.058 χ^2/NDF : 9.9/18

Left In: 55.299+/-228.356 χ^2/NDF :19.4/16

Left: 629.538+/-159.214 χ^2/NDF : 90.0/35

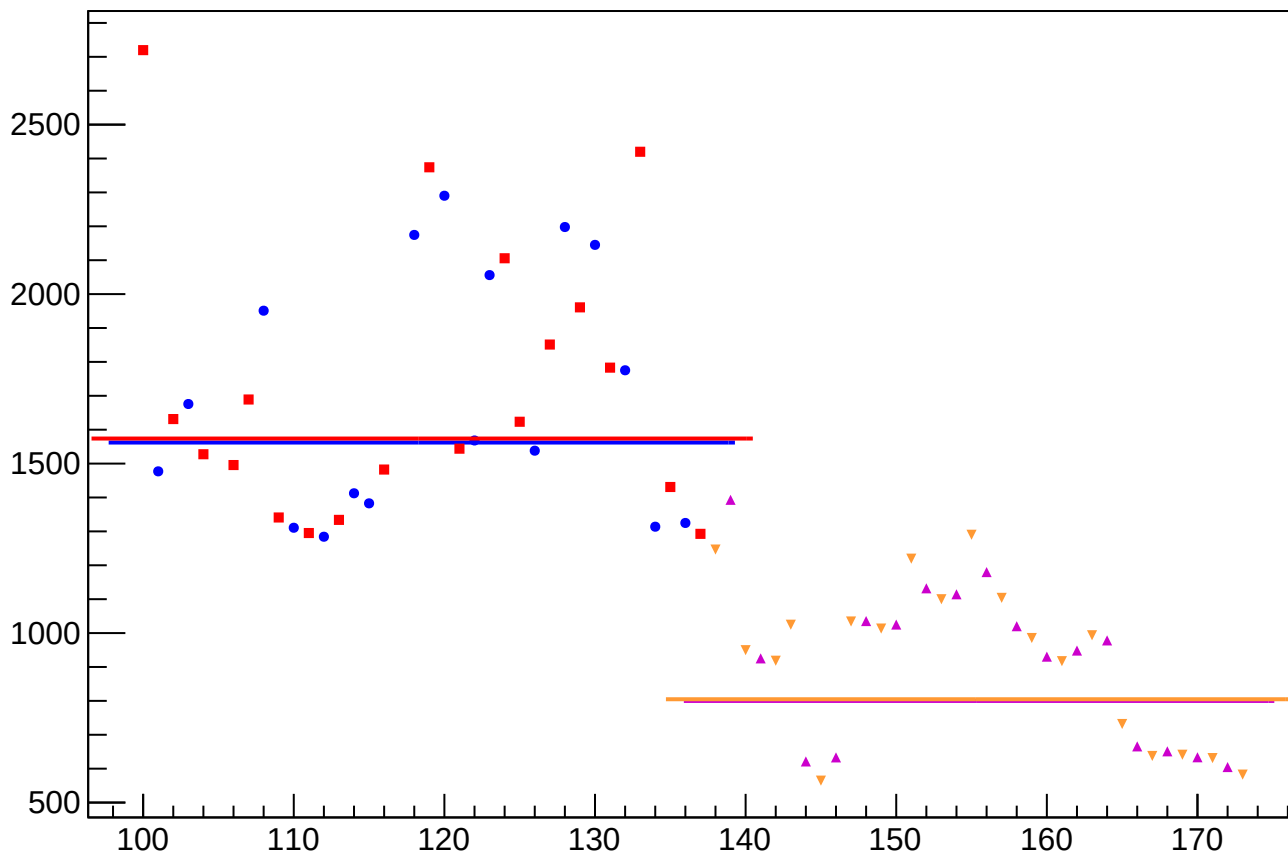
Right: -310.478+/-432.606 χ^2/NDF : 39.4/35

In: 123.488+/-214.322 χ^2/NDF :45.2/33

Out: 889.905+/-208.415 χ^2/NDF :81.8/37

All: 517.402+/-149.416 χ^2/NDF : 133.6/71

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 $\pm$ 0.439 χ^2 /NDF: 482088.3/16

Left Out: 804.792 $\pm$ 0.157 χ^2 /NDF: 2031164.9/18

Right Out: 1573.906 $\pm$ 0.426 χ^2 /NDF: 463991.4/18

Left In: 799.773 $\pm$ 0.161 χ^2 /NDF: 1713544.7/16

Left: 802.352 $\pm$ 0.113 χ^2 /NDF: 3745206.0/35

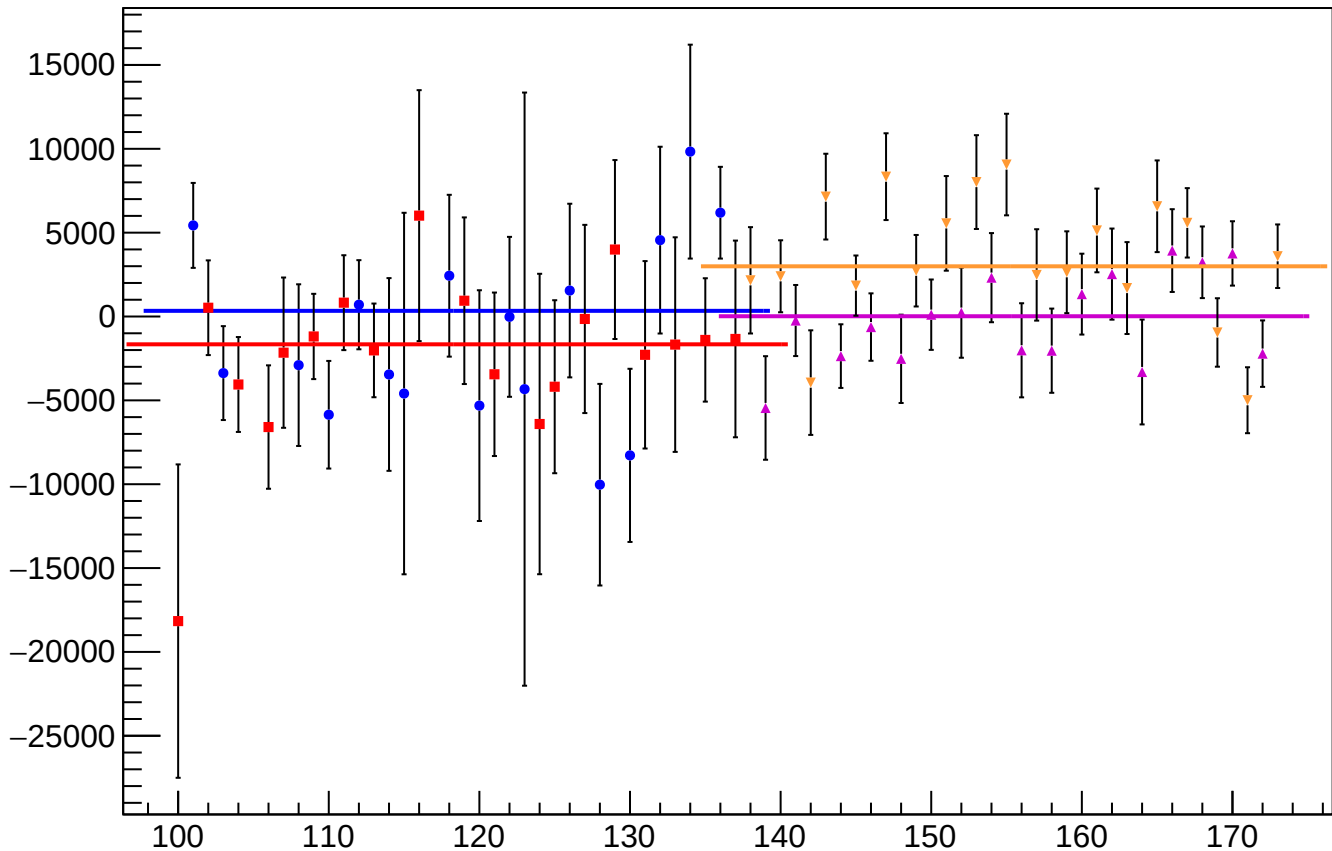
Right: 1568.176 $\pm$ 0.306 χ^2 /NDF: 946451.6/35

In: 890.595 $\pm$ 0.152 χ^2 /NDF: 4851082.0/33

Out: 896.653 $\pm$ 0.147 χ^2 /NDF: 5359688.9/37

All: 893.709 $\pm$ 0.106 χ^2 /NDF: 10211592.4/73

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117 $\pm$ 995.842 χ^2/NDF : 24.8/16

Left Out: 2993.293 $\pm$ 545.937 χ^2/NDF :45.1/18

Right Out: -1658.069 $\pm$ 924.453 χ^2/NDF : 10.3/18

Left In: 16.027 $\pm$ 567.081 χ^2/NDF :19.9/16

Left: 1561.199 $\pm$ 393.298 χ^2/NDF : 79.3/35

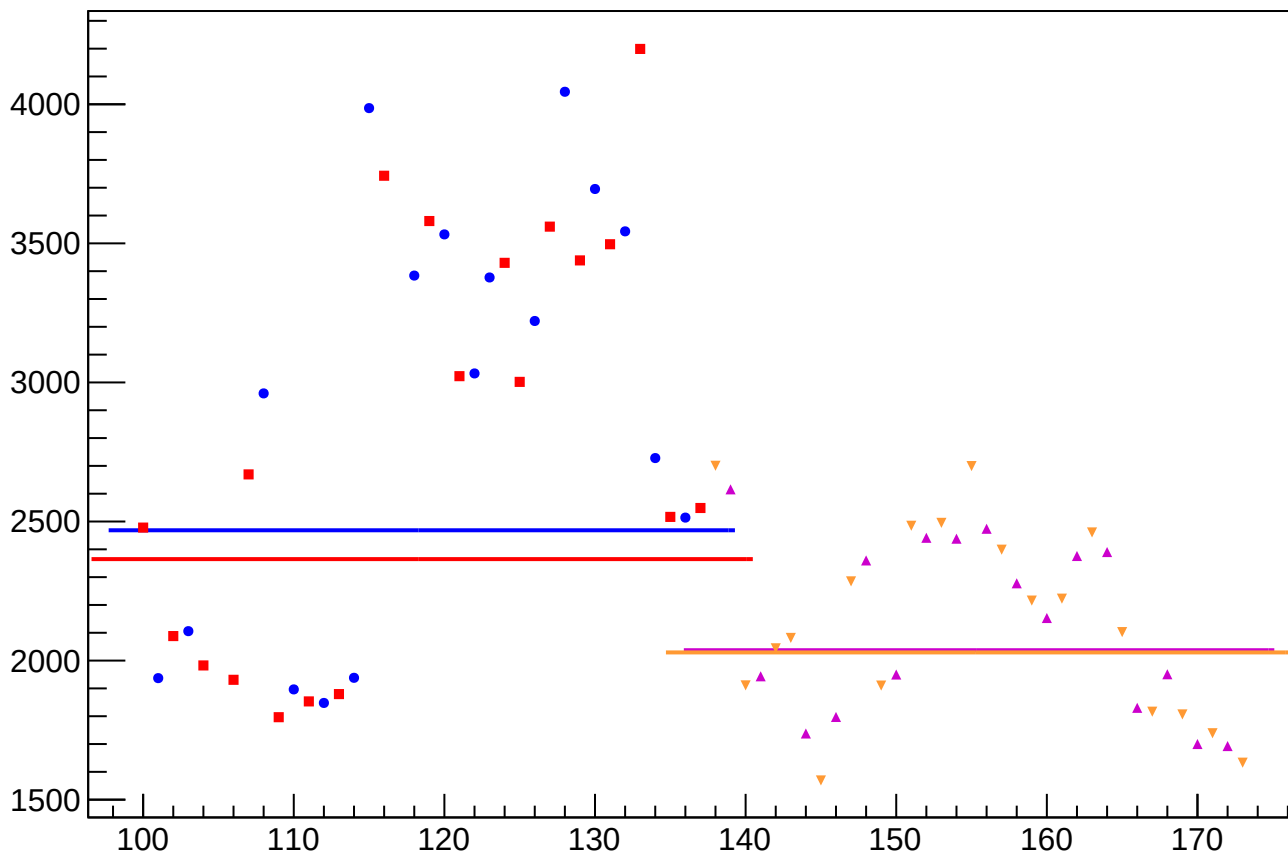
Right: -734.084 $\pm$ 677.520 χ^2/NDF : 37.2/35

In: 94.897 $\pm$ 492.784 χ^2/NDF :44.7/33

Out: 1790.576 $\pm$ 470.085 χ^2/NDF :74.2/37

All: 982.688 $\pm$ 340.142 χ^2/NDF : 125.1/71

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489 $\pm$ 0.704 χ^2 /NDF: 896153.6/16

Left Out: 2029.369 $\pm$ 0.386 χ^2 /NDF: 746802.7/18

Right Out: 2364.833 $\pm$ 0.654 χ^2 /NDF: 1025161.0/18

Left In: 2037.284 $\pm$ 0.401 χ^2 /NDF: 544325.7/16

Left: 2033.176 $\pm$ 0.278 χ^2 /NDF: 1291330.6/35

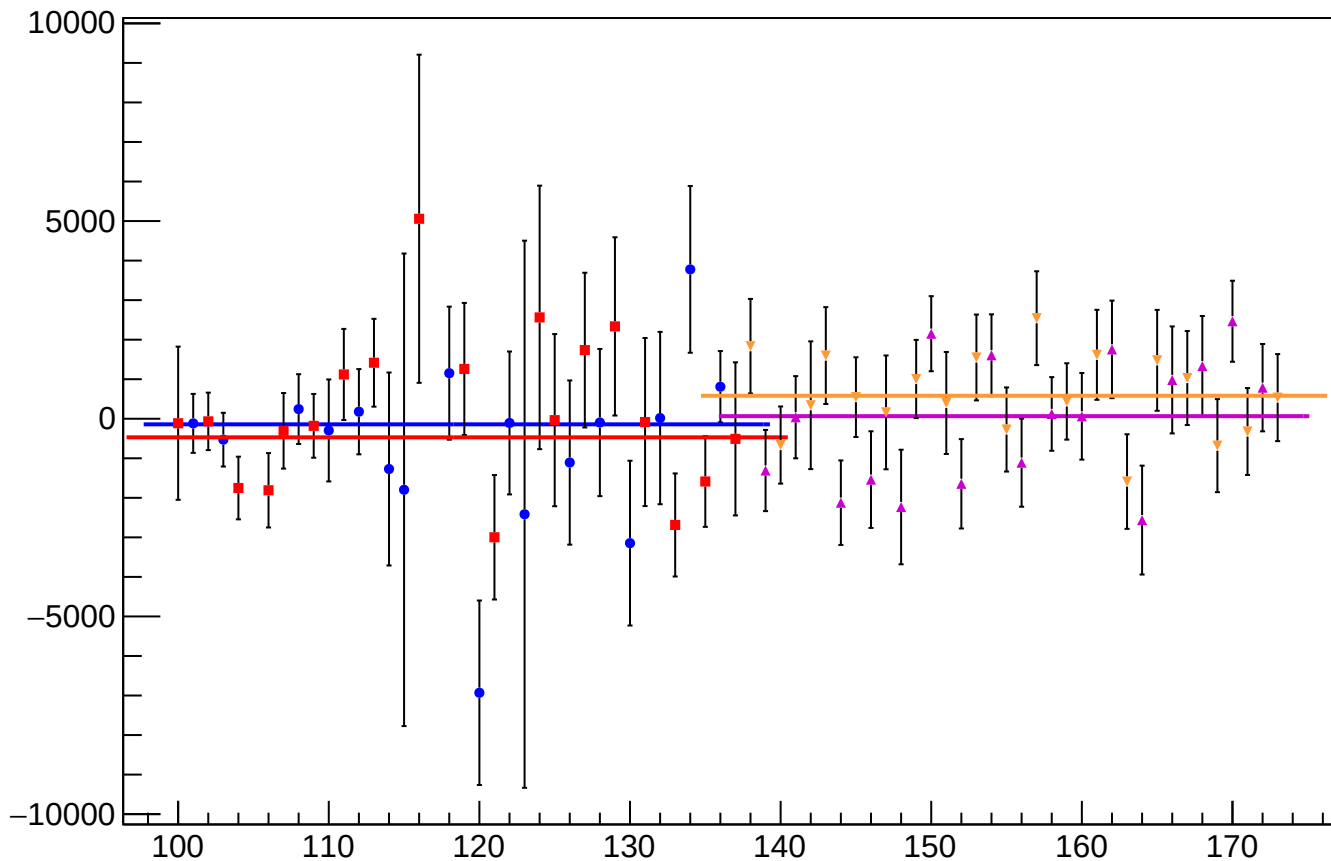
Right: 2412.813 $\pm$ 0.479 χ^2 /NDF: 1932953.4/35

In: 2142.872 $\pm$ 0.348 χ^2 /NDF: 1723644.6/33

Out: 2116.111 $\pm$ 0.332 χ^2 /NDF: 1967227.4/37

All: 2128.861 $\pm$ 0.241 χ^2 /NDF: 3693960.2/71

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213 ± 313.319 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 581.364 ± 261.979 $\chi^2/\text{NDF}: 14.5/18$

Right Out: -470.143 ± 282.892 $\chi^2/\text{NDF}: 22.9/18$

Left In: 65.652 ± 270.797 $\chi^2/\text{NDF}: 33.6/16$

Left: 332.041 ± 188.287 $\chi^2/\text{NDF}: 49.9/35$

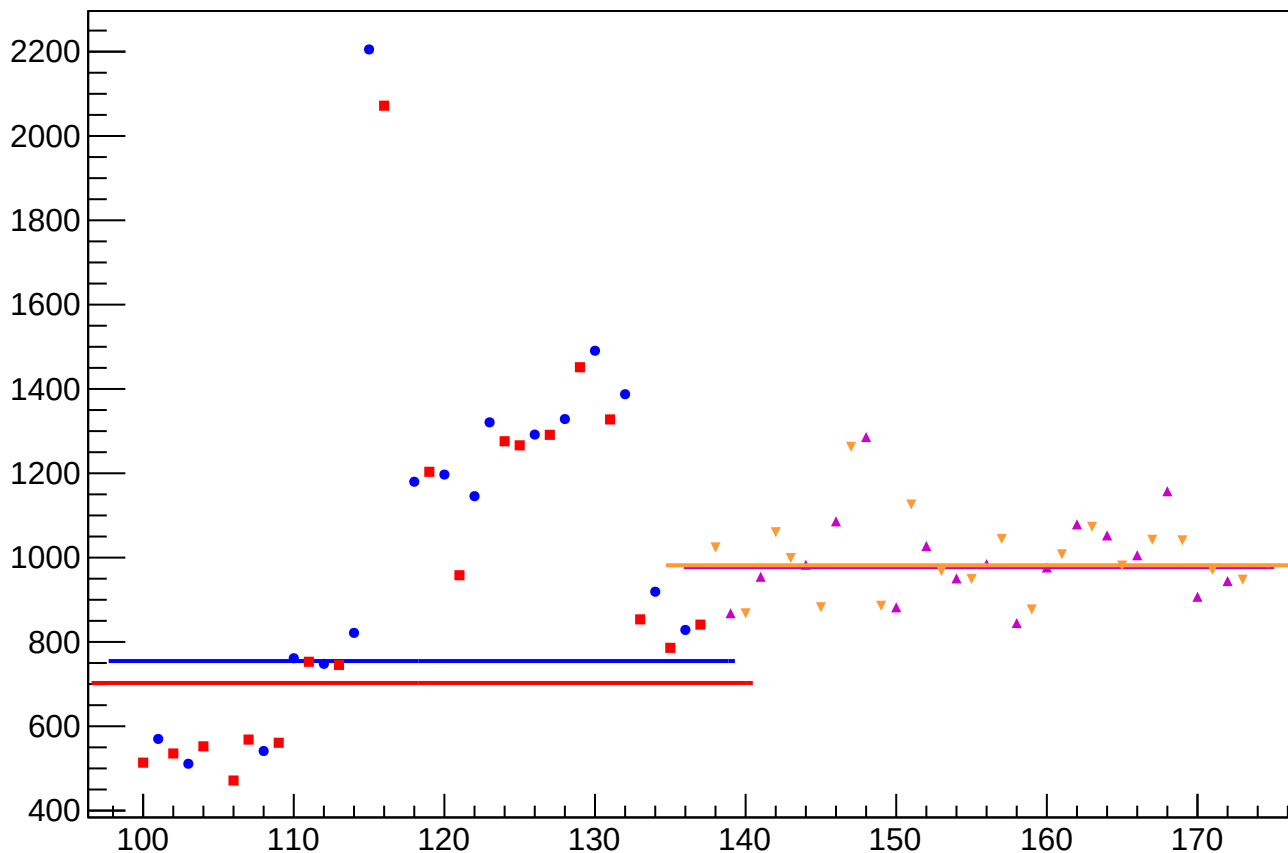
Right: -322.421 ± 209.970 $\chi^2/\text{NDF}: 40.5/35$

In: -22.800 ± 204.879 $\chi^2/\text{NDF}: 50.8/33$

Out: 95.910 ± 192.216 $\chi^2/\text{NDF}: 44.9/37$

All: 40.336 ± 140.180 $\chi^2/\text{NDF}: 95.8/71$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 981.873 $\pm$ 0.185 χ^2 /NDF: 230749.7/18

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

Left In: 977.464 $\pm$ 0.191 χ^2 /NDF: 268198.4/16

Left: 979.741 $\pm$ 0.133 χ^2 /NDF: 499221.8/35

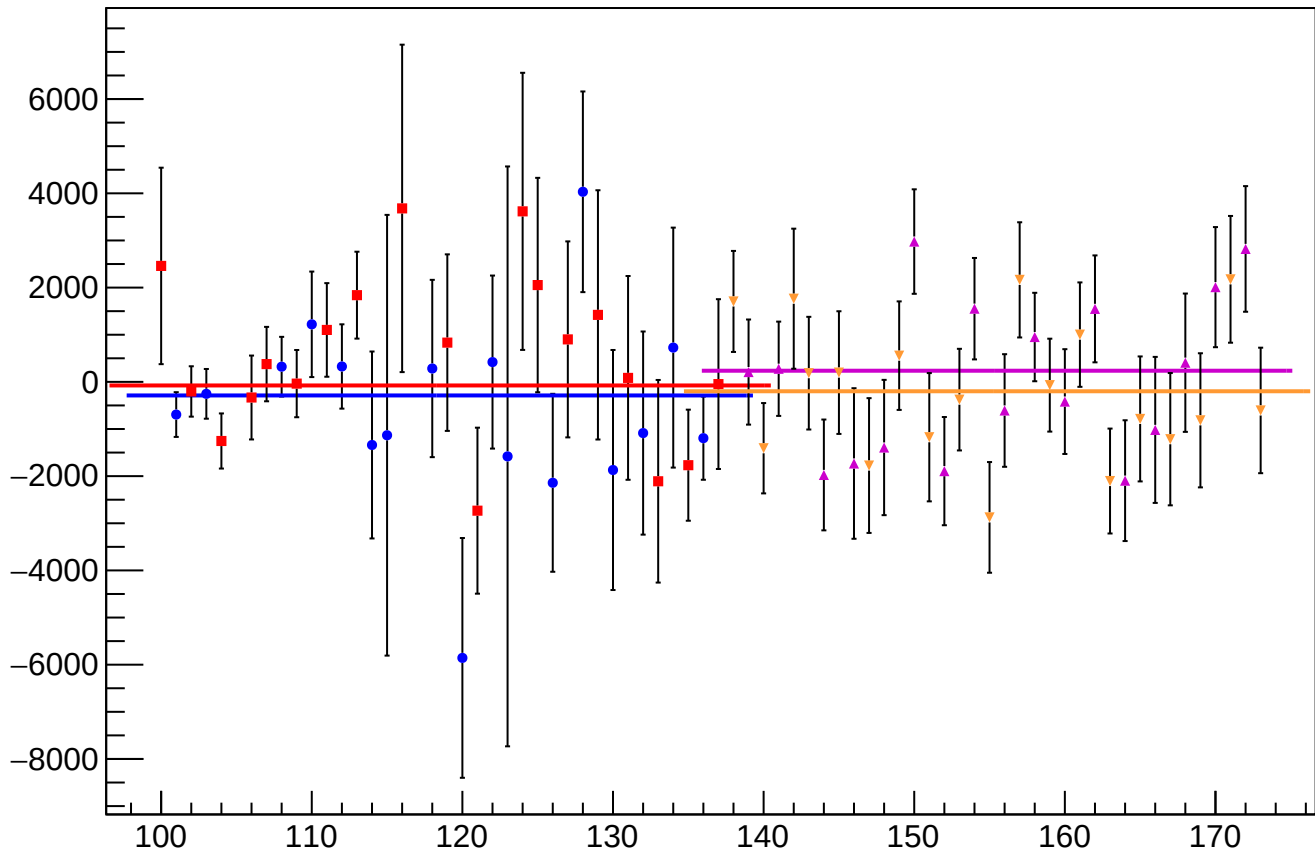
Right: 726.058 $\pm$ 0.148 χ^2 /NDF: 3412528.8/35

In: 882.206 $\pm$ 0.145 χ^2 /NDF: 2537609.8/33

Out: 852.995 $\pm$ 0.136 χ^2 /NDF: 2970715.7/37

All: 866.670 $\pm$ 0.099 χ^2 /NDF: 5529948.5/71

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037+/-250.436 χ^2/NDF : 16.2/16

Left Out: -199.236+/-276.468 χ^2/NDF : 26.1/18

Right Out: -76.119+/-246.083 χ^2/NDF : 21.4/18

Left In: 236.423+/-289.467 χ^2/NDF : 29.8/16

Left: 8.592+/-199.930 χ^2/NDF : 57.1/35

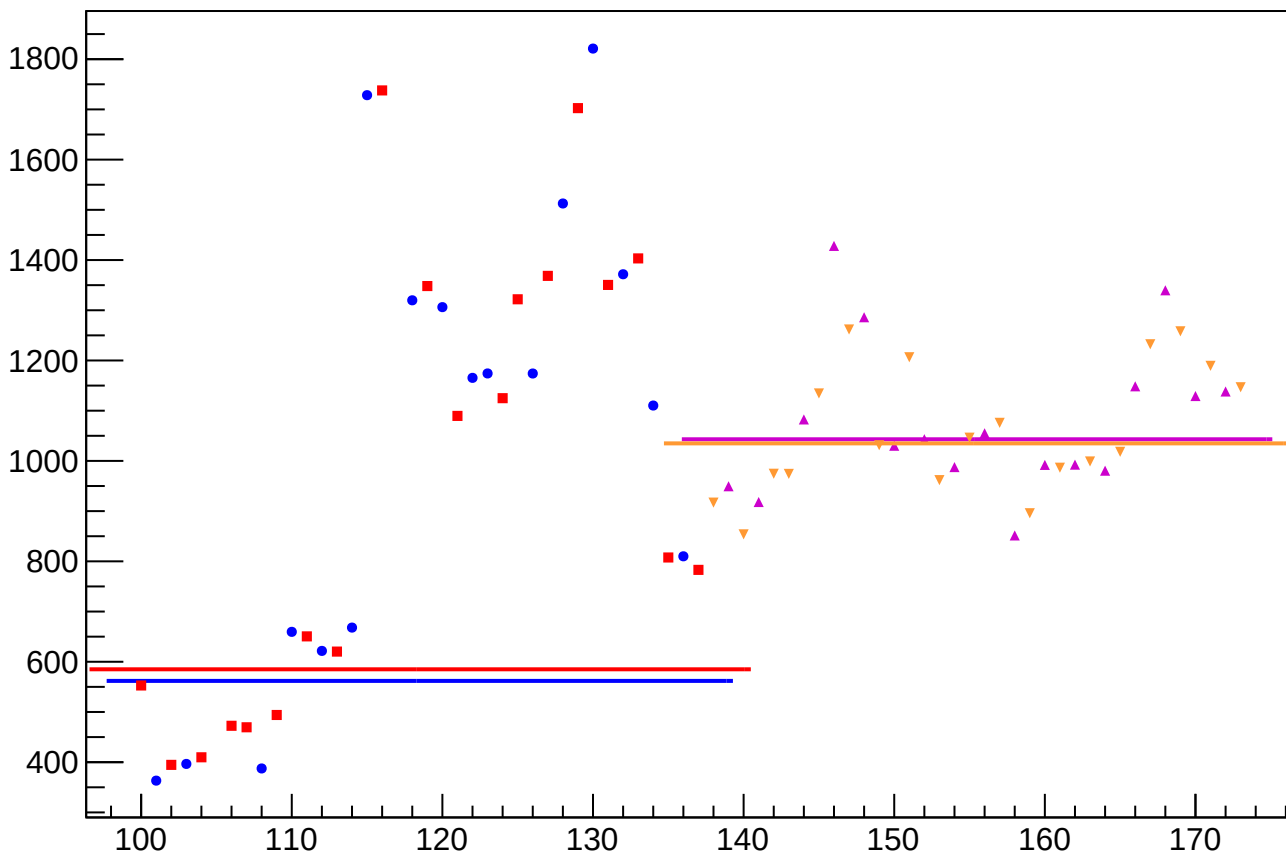
Right: -180.221+/-175.526 χ^2/NDF : 37.9/35

In: -63.525+/-189.393 χ^2/NDF : 47.9/33

Out: -130.542+/-183.815 χ^2/NDF : 47.6/37

All: -98.035+/-131.904 χ^2/NDF : 95.5/71

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 $\pm$ 0.177 χ^2 /NDF: 3216651.3/16

Left Out: 1034.899 $\pm$ 0.195 χ^2 /NDF:385031.6/18

Right Out: 584.993 $\pm$ 0.174 χ^2 /NDF: 2824449.5/18

Left In: 1043.070 $\pm$ 0.205 χ^2 /NDF:433634.0/16

Left: 1038.797 $\pm$ 0.141 χ^2 /NDF: 819499.1/35

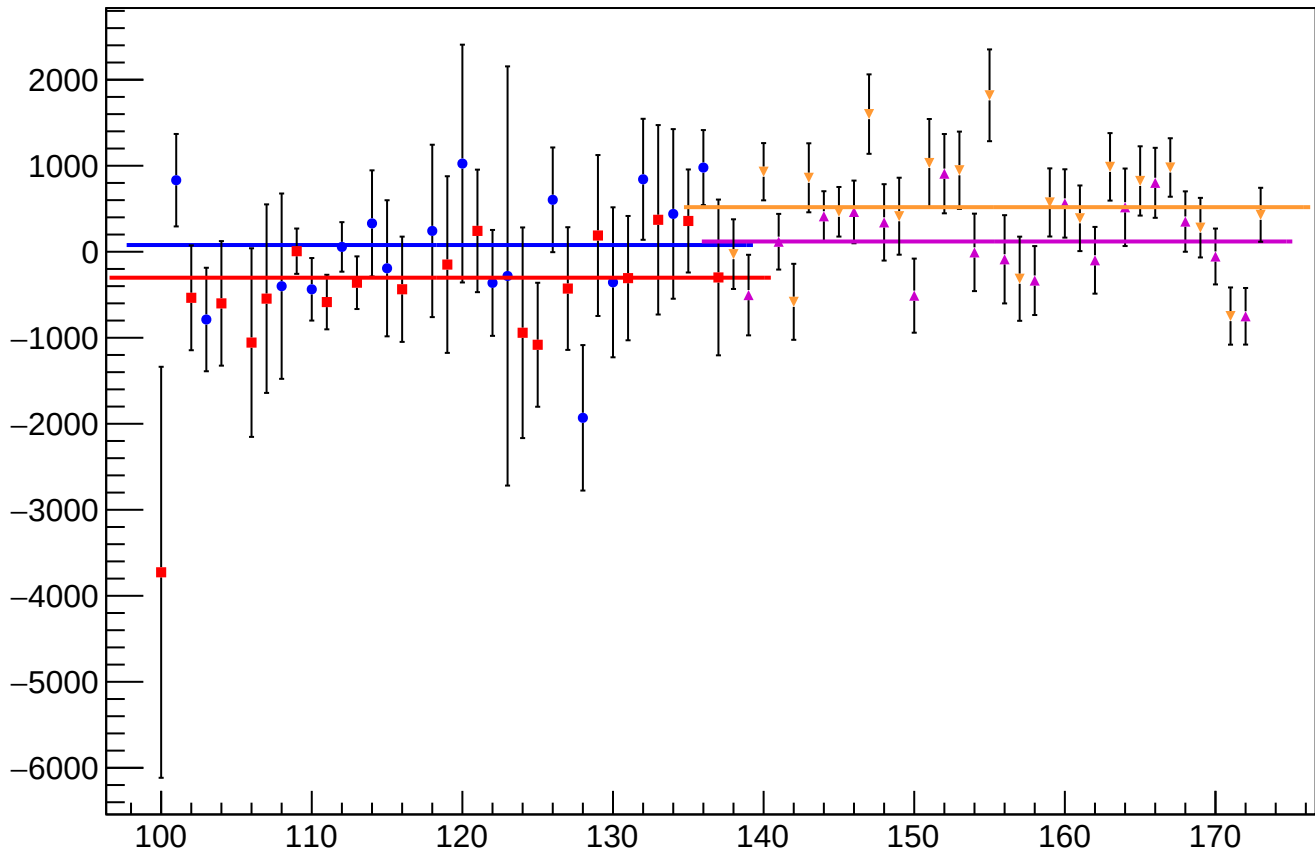
Right: 573.646 $\pm$ 0.124 χ^2 /NDF: 6049757.3/35

In: 767.877 $\pm$ 0.134 χ^2 /NDF:6810915.8/33

Out: 783.873 $\pm$ 0.130 χ^2 /NDF:6164633.0/37

All: 776.114 $\pm$ 0.093 χ^2 /NDF: 12982895.6/73

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 ± 142.869 χ^2/NDF : 19.8/16

Left Out: 518.389 ± 88.836 χ^2/NDF : 45.6/18

Right Out: -301.651 ± 129.650 χ^2/NDF : 9.1/18

Left In: 119.328 ± 93.534 χ^2/NDF : 23.4/16

Left: 329.132 ± 64.413 χ^2/NDF : 78.6/35

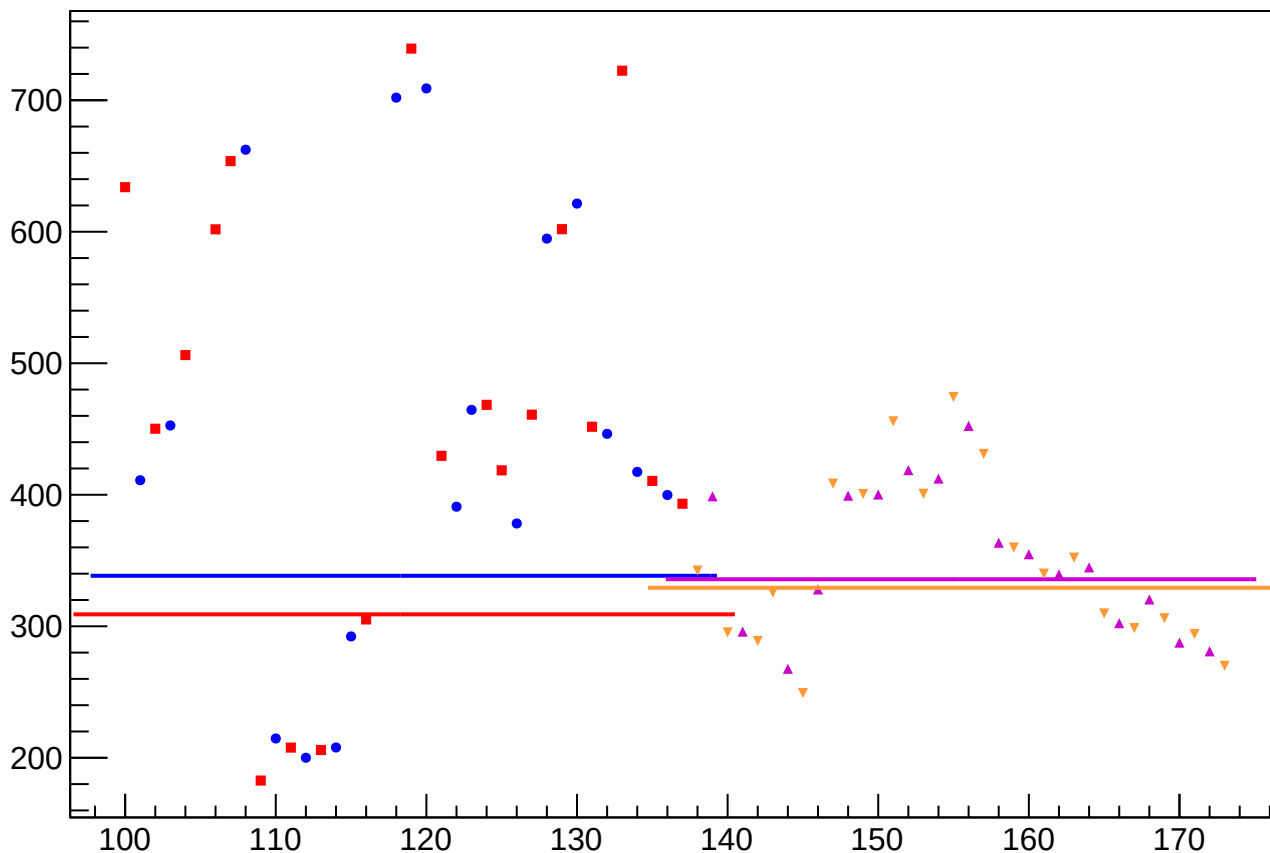
Right: -130.116 ± 96.010 χ^2/NDF : 32.7/35

In: 106.984 ± 78.255 χ^2/NDF : 43.2/33

Out: 256.390 ± 73.283 χ^2/NDF : 81.9/37

All: 186.584 ± 53.490 χ^2/NDF : 127.1/71

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 $\pm$ 0.101 χ^2/NDF : 2009287.1/16

Left Out: 329.284 $\pm$ 0.063 χ^2/NDF : 855090.8/18

Right Out: 309.081 $\pm$ 0.092 χ^2/NDF : 2733465.5/18

Left In: 335.777 $\pm$ 0.066 χ^2/NDF : 620078.7/16

Left: 332.363 $\pm$ 0.046 χ^2/NDF : 1480237.5/35

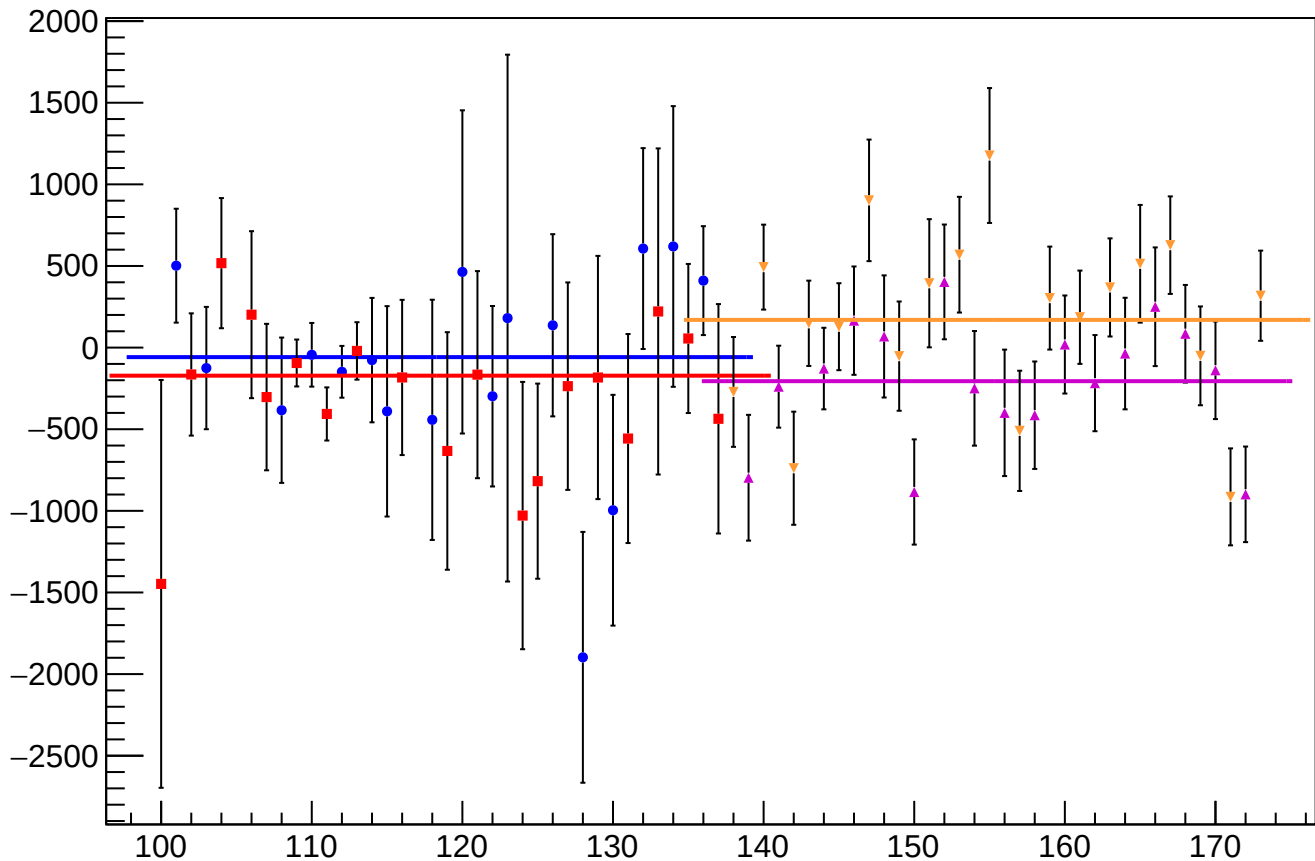
Right: 322.325 $\pm$ 0.068 χ^2/NDF : 4788966.2/35

In: 336.566 $\pm$ 0.055 χ^2/NDF : 2629840.3/33

Out: 322.829 $\pm$ 0.052 χ^2/NDF : 3621603.1/37

All: 329.247 $\pm$ 0.038 χ^2/NDF : 6284280.2/71

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299 ± 90.484 $\chi^2/\text{NDF}: 15.9/16$

Left Out: 169.759 ± 72.141 $\chi^2/\text{NDF}: 43.4/18$

Right Out: -171.954 ± 76.920 $\chi^2/\text{NDF}: 11.3/18$

Left In: -205.606 ± 76.839 $\chi^2/\text{NDF}: 21.3/16$

Left: -6.099 ± 52.594 $\chi^2/\text{NDF}: 77.5/35$

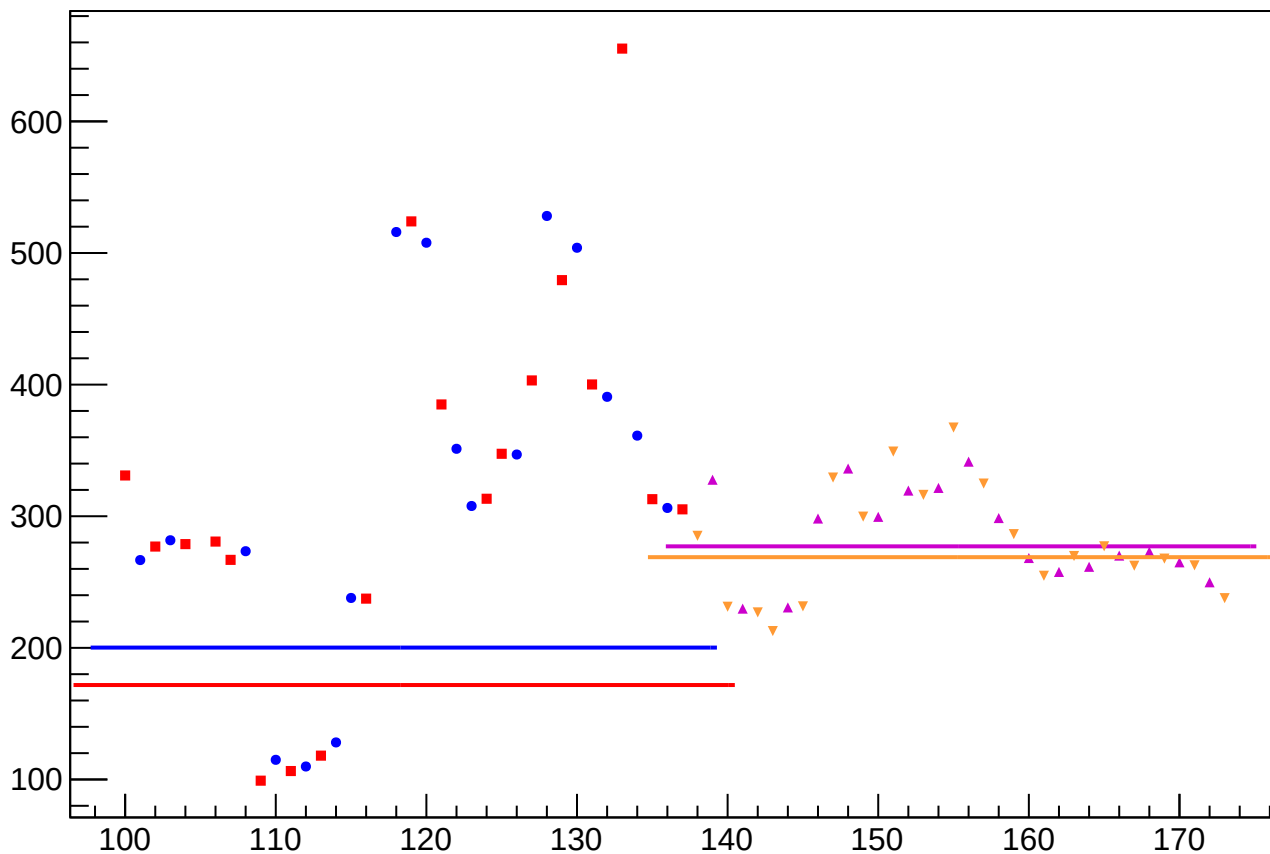
Right: -124.276 ± 58.606 $\chi^2/\text{NDF}: 28.1/35$

In: -143.886 ± 58.570 $\chi^2/\text{NDF}: 38.7/33$

Out: 9.846 ± 52.620 $\chi^2/\text{NDF}: 65.3/37$

All: -58.817 ± 39.143 $\chi^2/\text{NDF}: 107.8/71$

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209 $\pm$ 0.064 χ^2 /NDF: 3387197.7/16

Left Out: 268.901 $\pm$ 0.051 χ^2 /NDF: 595731.4/18

Right Out: 171.757 $\pm$ 0.054 χ^2 /NDF: 4093922.6/18

Left In: 277.124 $\pm$ 0.054 χ^2 /NDF: 403541.0/16

Left: 272.753 $\pm$ 0.037 χ^2 /NDF: 1011448.9/35

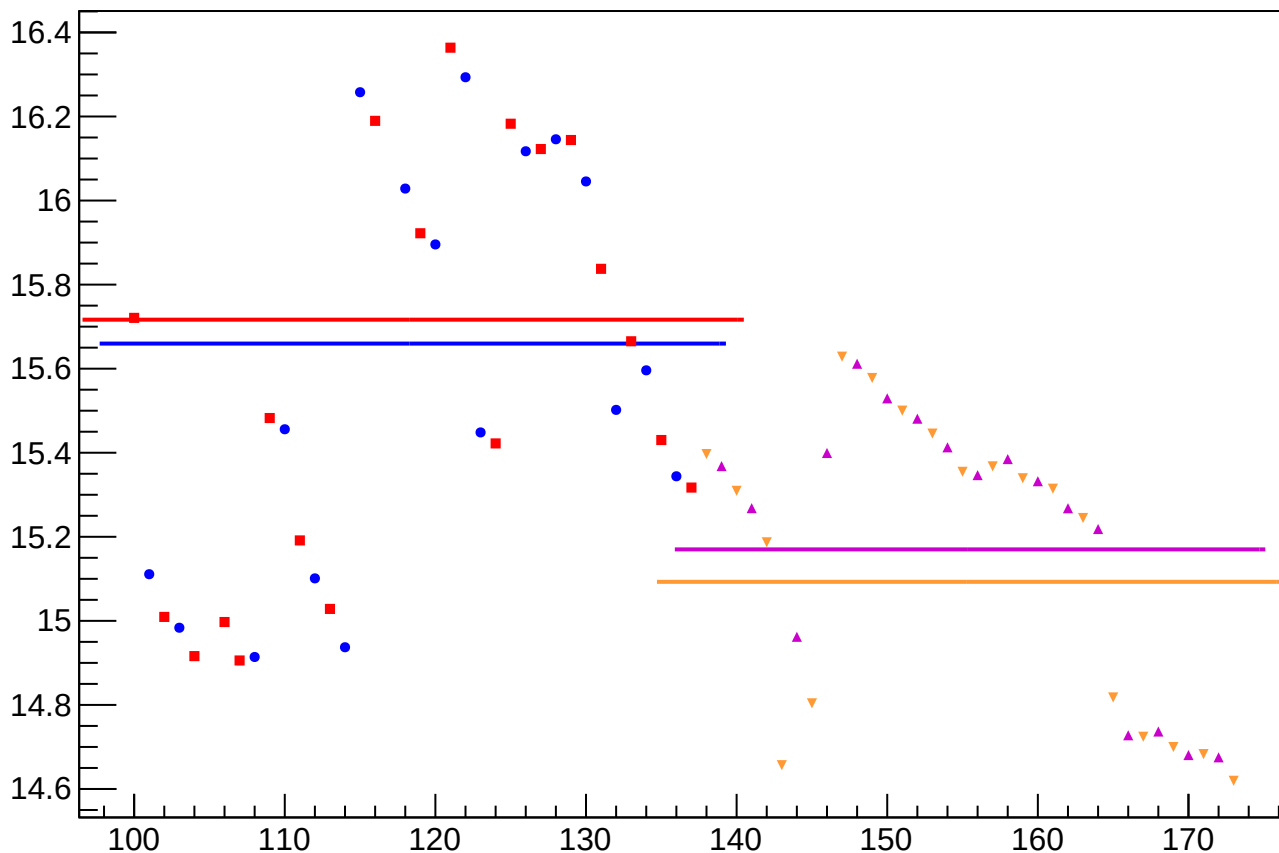
Right: 183.693 $\pm$ 0.041 χ^2 /NDF: 7595909.3/35

In: 244.898 $\pm$ 0.041 χ^2 /NDF: 4630391.3/33

Out: 223.440 $\pm$ 0.037 χ^2 /NDF: 6386780.5/37

All: 233.024 $\pm$ 0.028 χ^2 /NDF: 11165716.0/73

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660 $\pm$ 0.000 χ^2 /NDF: 5782644553.5/16

Left Out: 15.093 $\pm$ 0.000 χ^2 /NDF: 13947057771.5/18

Right Out: 15.717 $\pm$ 0.000 χ^2 /NDF: 5461829475.3/18

Left In: 15.170 $\pm$ 0.000 χ^2 /NDF: 10047364236.9/16

Left: 15.129 $\pm$ 0.000 χ^2 /NDF: 24333642985.3/35

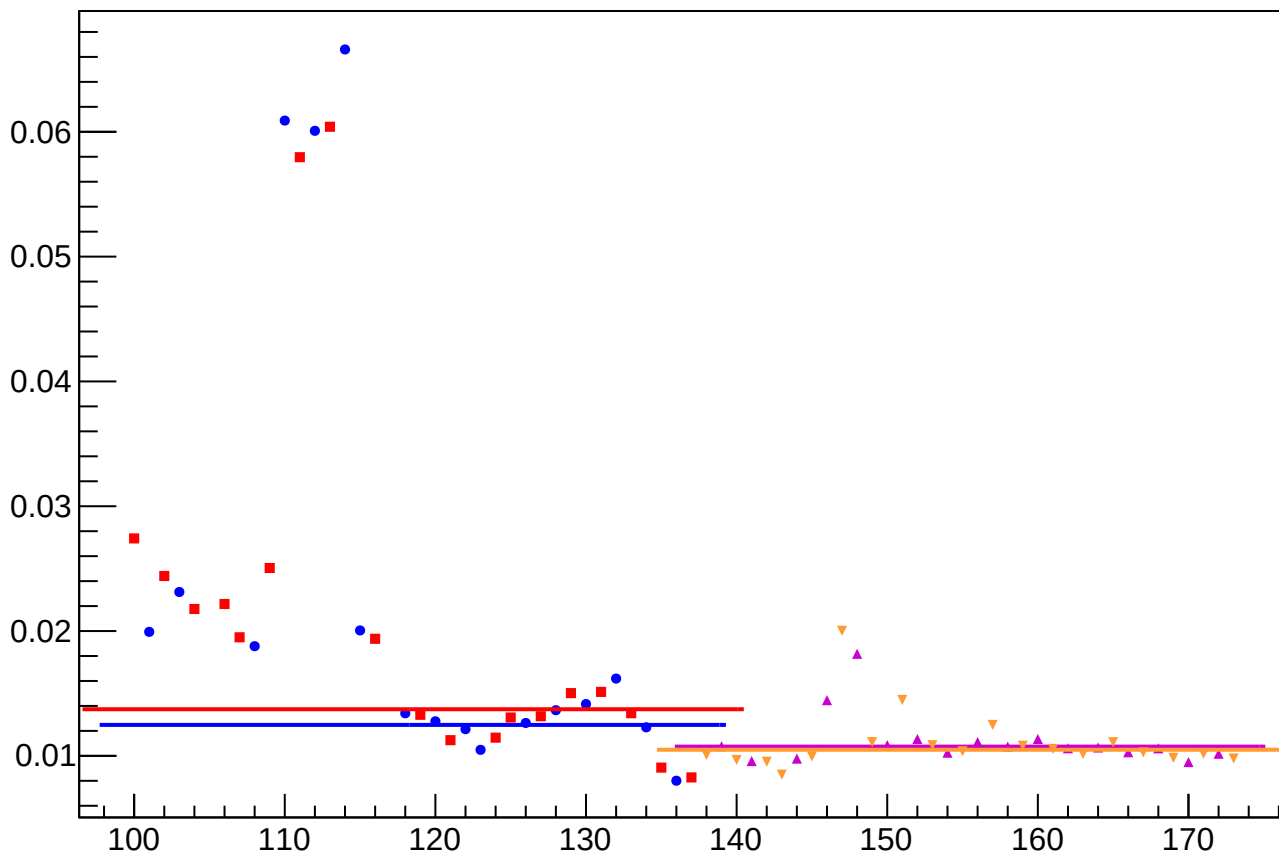
Right: 15.686 $\pm$ 0.000 χ^2 /NDF: 11294352327.9/35

In: 15.285 $\pm$ 0.000 χ^2 /NDF: 21901392556.2/33

Out: 15.213 $\pm$ 0.000 χ^2 /NDF: 28471372322.7/37

All: 15.248 $\pm$ 0.000 χ^2 /NDF: 50748457130.5

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:609746.3/18

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:438633.5/16

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 1055565.4/35

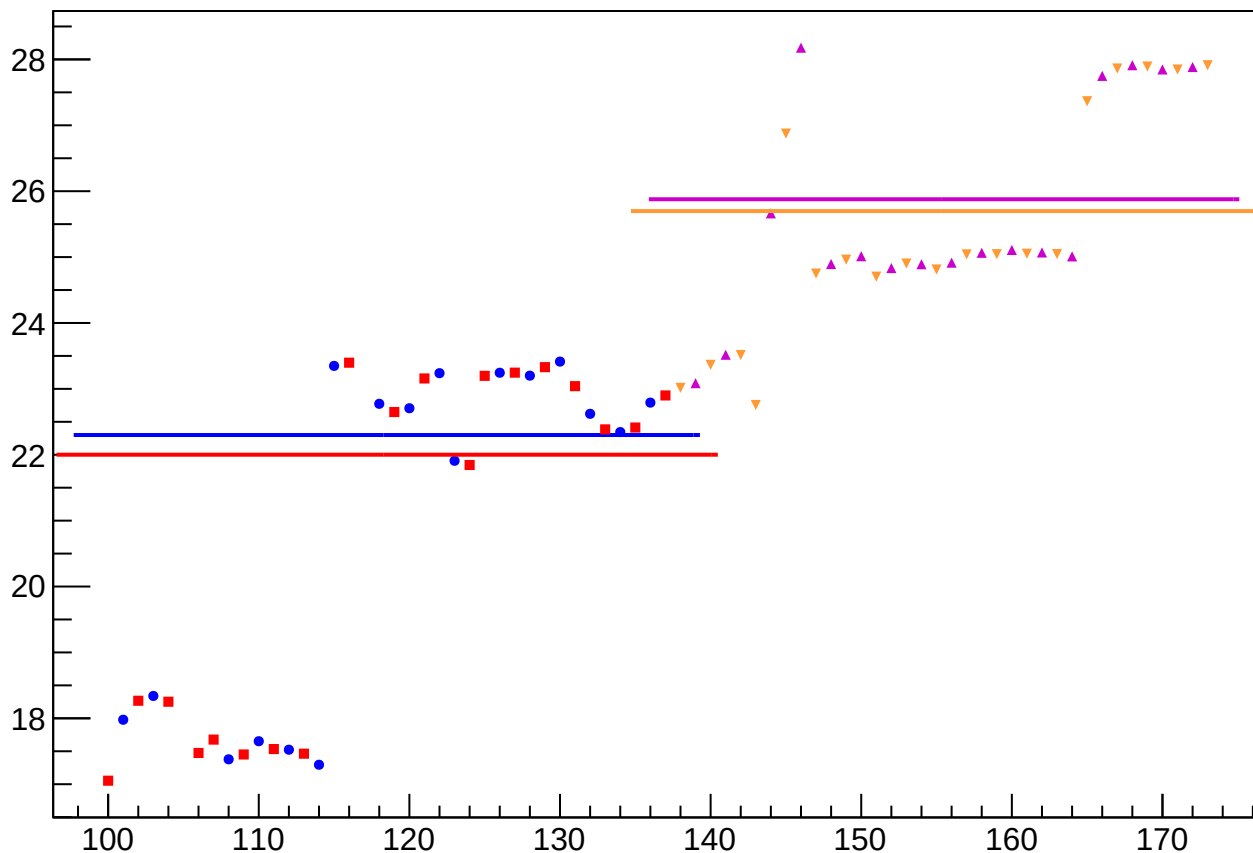
Right: 0.013 $\pm$ 0.000 χ^2 /NDF: 4279107.1/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2744777.4/33

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:3178349.7/37

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5923293.5/71

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000

χ^2/NDF : 938398636.8/16

Left: 25.783+/-0.000

χ^2/NDF : 5175605048.1/35

Left Out: 25.698+/-0.000

χ^2/NDF : 3052450954.7/18

Right: 22.159+/-0.000

χ^2/NDF : 2017477949.3/35

Right Out: 22.001+/-0.000

χ^2/NDF : 1066041325.5/18

In: 24.948+/-0.000

χ^2/NDF : 5980915112.5/33

Out: 24.897+/-0.000

χ^2/NDF : 7071443996.3/37

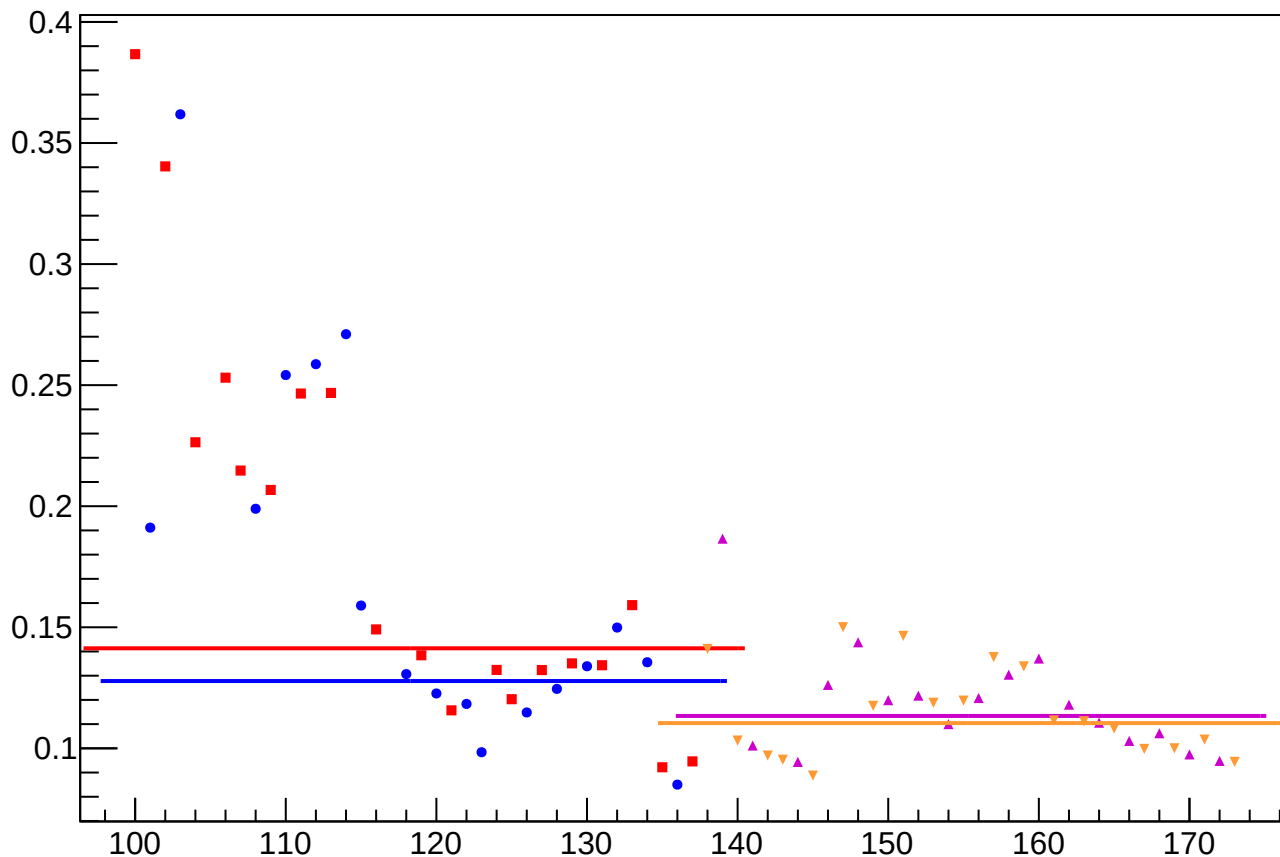
Left In: 25.878+/-0.000

χ^2/NDF : 2108081416.9/16

All: 24.921+/-0.000

χ^2/NDF : 13053959319.4

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.110+/-0.000 χ^2/NDF :561143.2/18

Right Out: 0.141+/-0.000 χ^2/NDF : 1449275.1/18

Left In: 0.113+/-0.000 χ^2/NDF :568433.7/16

Left: 0.112+/-0.000 χ^2/NDF : 1137718.1/35

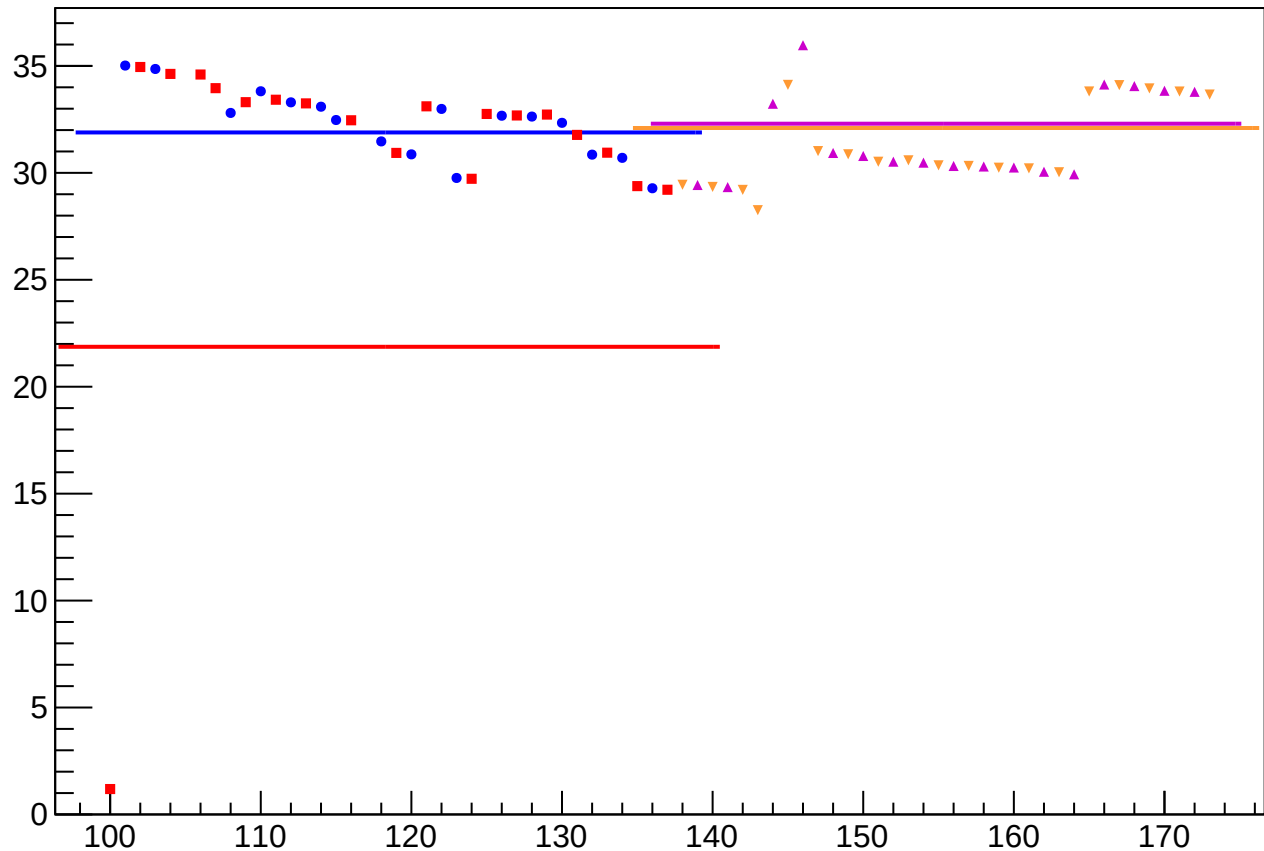
Right: 0.134+/-0.000 χ^2/NDF : 2994732.7/35

In: 0.117+/-0.000 χ^2/NDF :2155786.7/33

Out: 0.117+/-0.000 χ^2/NDF :2422509.3/37

All: 0.117+/-0.000 χ^2/NDF : 4578296.1/71

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889 $\pm$ 0.000

χ^2/NDF : 1930403776.3/16

Left: 32.194 $\pm$ 0.000

χ^2/NDF : 22546049625.9/35

Right: 25.887 $\pm$ 0.000

χ^2/NDF : 274879927198.7/35

Left Out: 32.097 $\pm$ 0.000

χ^2/NDF : 11490596881.3/18

In: 32.214 $\pm$ 0.000

χ^2/NDF : 13022975478.6/33

Right Out: 21.867 $\pm$ 0.000

χ^2/NDF : 230068750081.7/18

Out: 29.399 $\pm$ 0.000

χ^2/NDF : 323571163841.9/37

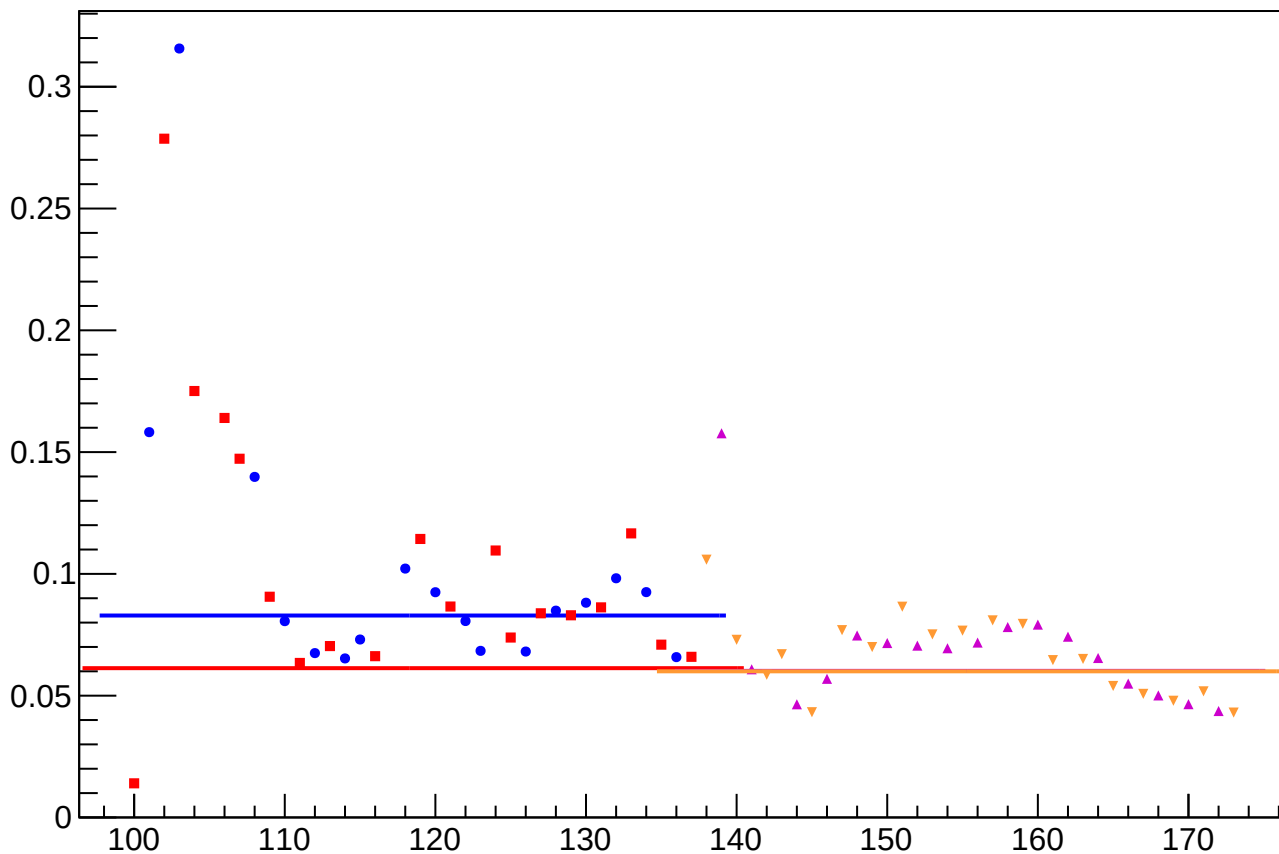
Left In: 32.299 $\pm$ 0.000

χ^2/NDF : 10997888995.8/16

All: 30.695 $\pm$ 0.000

χ^2/NDF : 351321812404.0

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083+/-0.000 χ^2/NDF : 1164452.3/16

Left Out: 0.060+/-0.000 χ^2/NDF :1284261.4/18

Right Out: 0.061+/-0.000 χ^2/NDF : 3603853.3/18

Left In: 0.060+/-0.000 χ^2/NDF :1356014.5/16

Left: 0.060+/-0.000 χ^2/NDF : 2640369.6/35

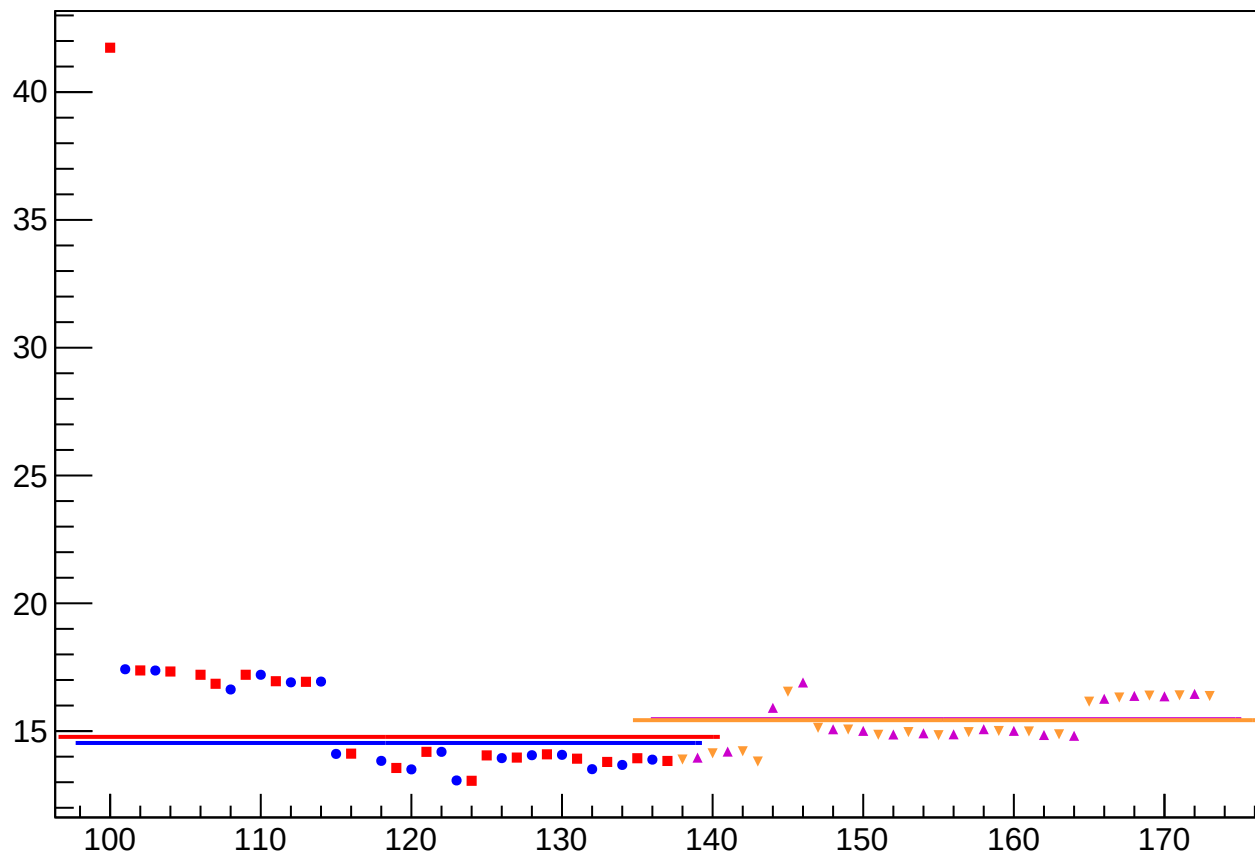
Right: 0.070+/-0.000 χ^2/NDF : 5167150.6/35

In: 0.065+/-0.000 χ^2/NDF :3104485.4/33

Out: 0.060+/-0.000 χ^2/NDF :4890742.8/37

All: 0.062+/-0.000 χ^2/NDF : 8071891.0/71

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 15.428+/-0.000 χ^2/NDF : 2195693279.9/18

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

Left In: 15.467+/-0.000 χ^2/NDF : 1650890998.8/16

Left: 15.446+/-0.000 χ^2/NDF : 3848746721.7/35

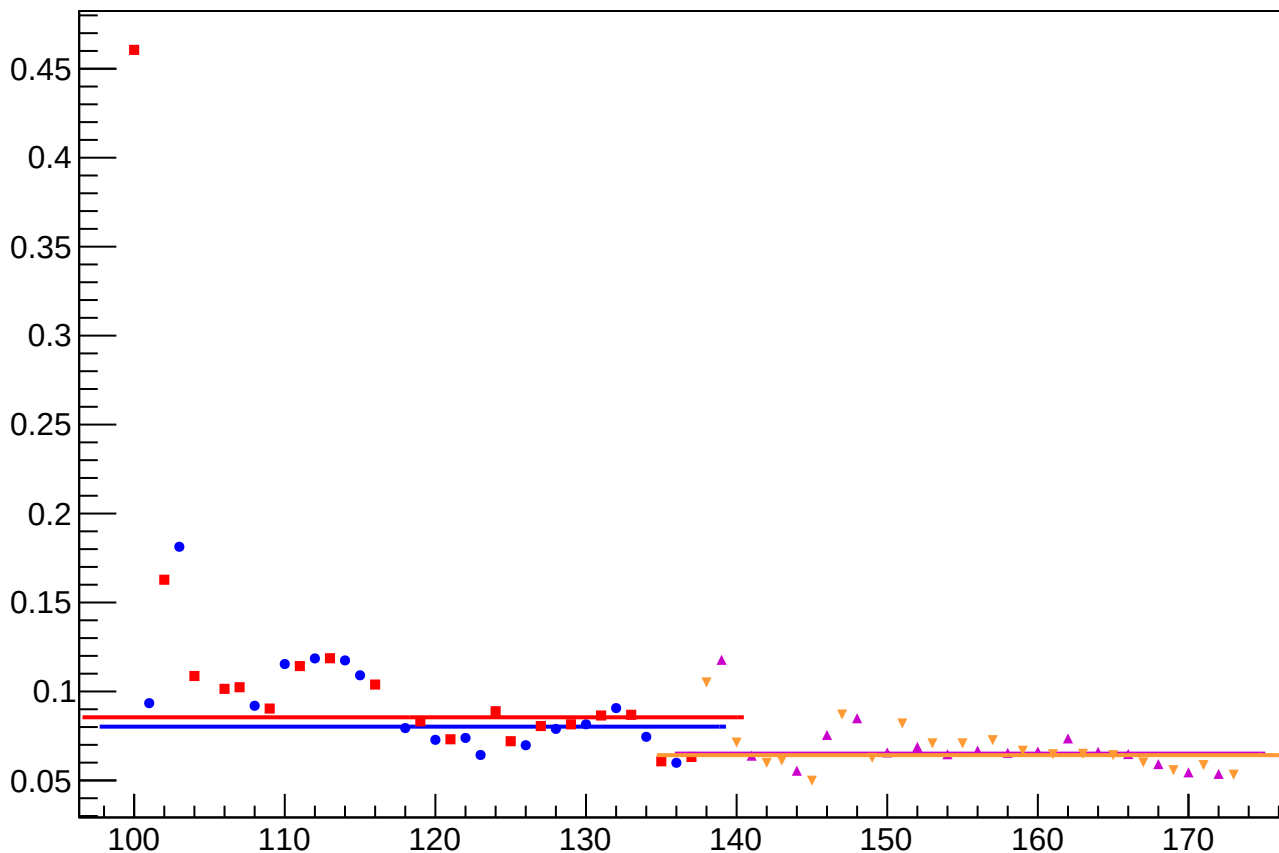
Right: 14.651+/-0.000 χ^2/NDF : 3380785876.4/35

In: 15.238+/-0.000 χ^2/NDF : 3682102465.1/33

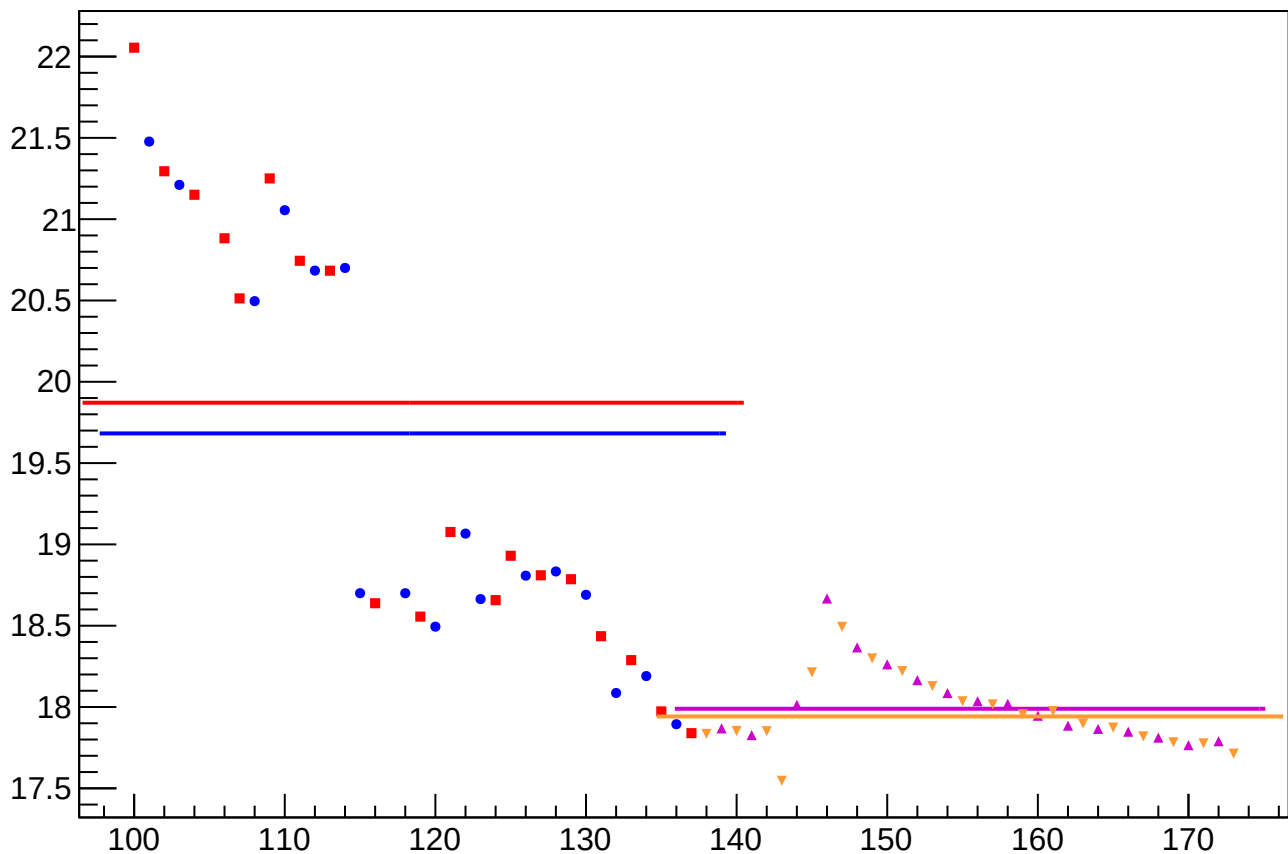
Out: 15.286+/-0.000 χ^2/NDF : 4351393231.3/37

All: 15.262+/-0.000 χ^2/NDF : 8037616291.3/77

yield_sam4_rms vs Slug, Sign Corrected



yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.942+/-0.000 χ^2/NDF : 592193936.6/18

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

Left In: 17.989+/-0.000 χ^2/NDF : 560345711.2/16

Left: 17.965+/-0.000 χ^2/NDF : 1167848782.7/35

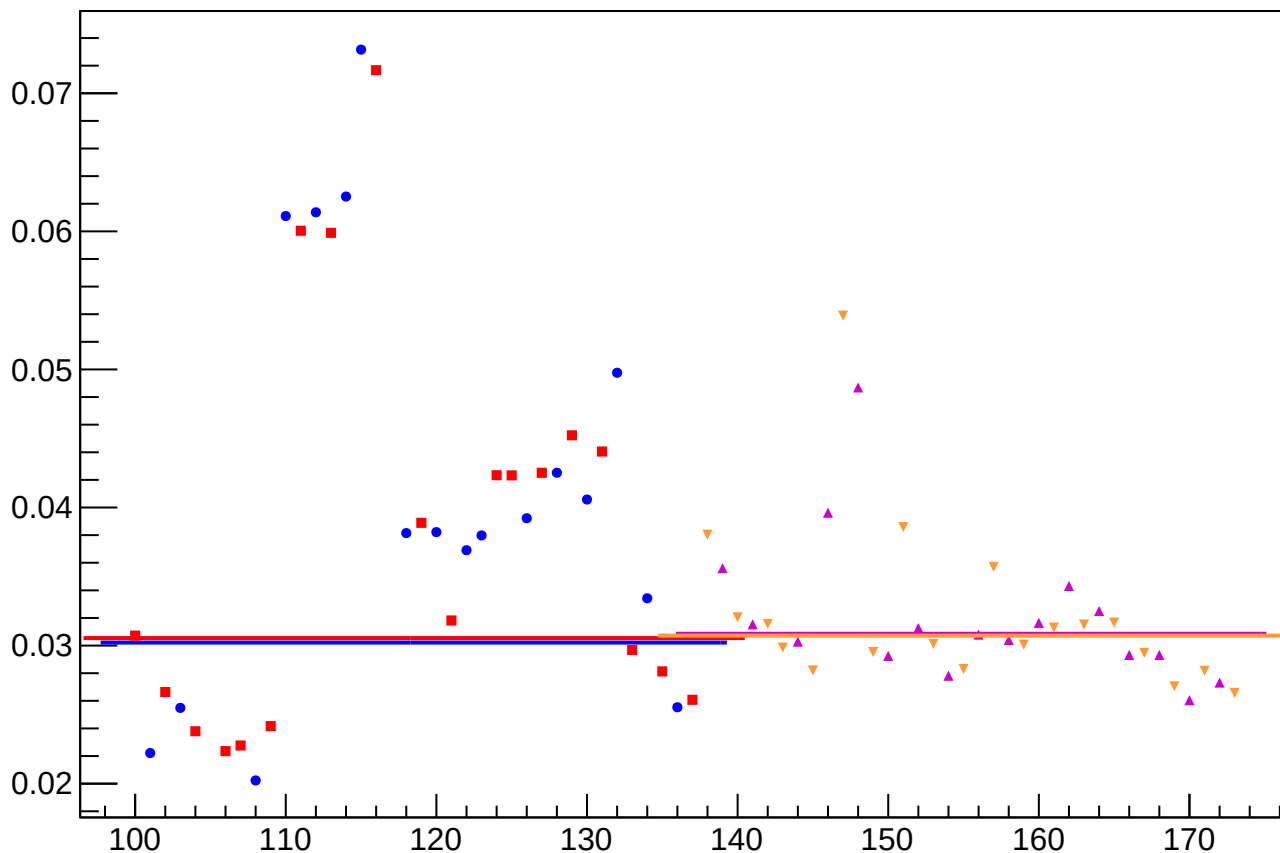
Right: 17.778+/-0.000 χ^2/NDF : 23711776447.8/35

In: 18.526+/-0.000 χ^2/NDF : 24807235191.5/33

Out: 18.535+/-0.000 χ^2/NDF : 28218464395.6/37

All: 18.531+/-0.000 χ^2/NDF : 53026424508.3

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.031+/-0.000 χ^2/NDF :531363.1/18

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

Left In: 0.031+/-0.000 χ^2/NDF :432142.2/16

Left: 0.031+/-0.000 χ^2/NDF : 963757.0/35

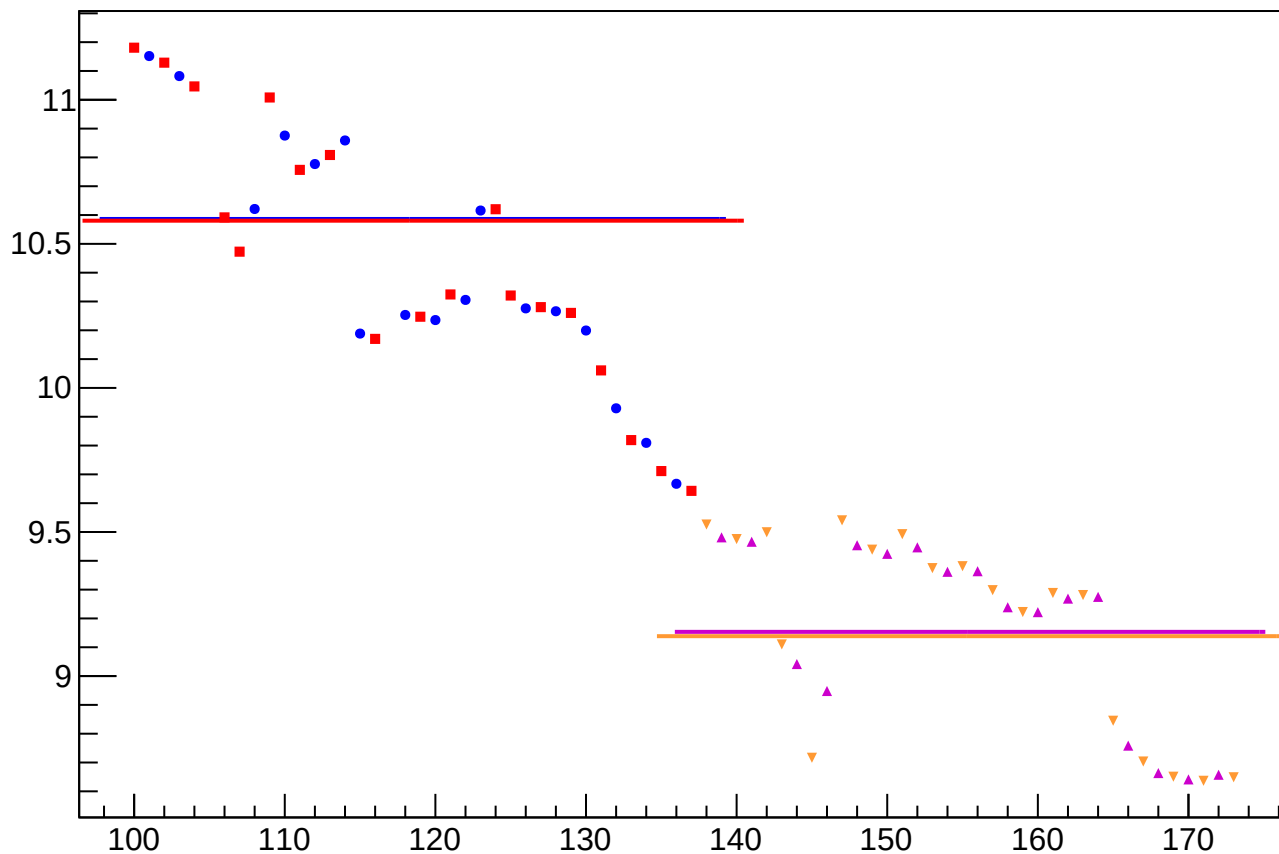
Right: 0.030+/-0.000 χ^2/NDF : 2514909.2/35

In: 0.031+/-0.000 χ^2/NDF :1760035.4/33

Out: 0.031+/-0.000 χ^2/NDF :1721365.8/37

All: 0.031+/-0.000 χ^2/NDF : 3481404.3/71

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.138+/-0.000 χ^2/NDF : 3831606090.1/18

Right Out: 10.580+/-0.000 χ^2/NDF : 5763852721.2/18

Left In: 9.153+/-0.000 χ^2/NDF : 2822223191.9/16

Left: 9.145+/-0.000 χ^2/NDF : 6657454125.4/35

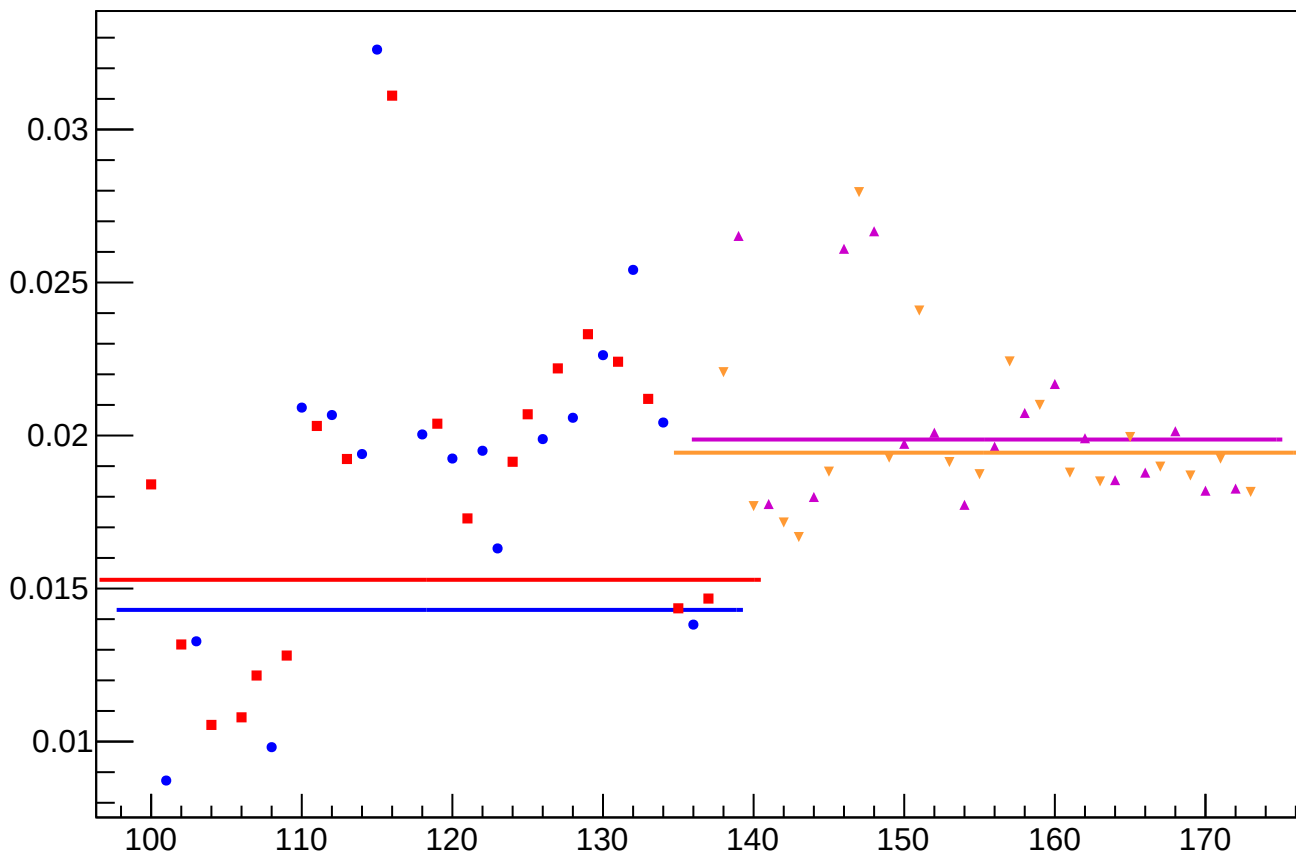
Right: 10.583+/-0.000 χ^2/NDF : 13184410027.5/35

In: 9.814+/-0.000 χ^2/NDF : 39040037348.9/33

Out: 9.751+/-0.000 χ^2/NDF : 39820995693.8/37

All: 9.782+/-0.000 χ^2/NDF : 78978360107.6/71

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF : 1408012.0/16

Left Out: 0.019+/-0.000 χ^2/NDF :326670.3/18

Right Out: 0.015+/-0.000 χ^2/NDF : 989017.0/18

Left In: 0.020+/-0.000 χ^2/NDF :377407.6/16

Left: 0.020+/-0.000 χ^2/NDF : 710027.8/35

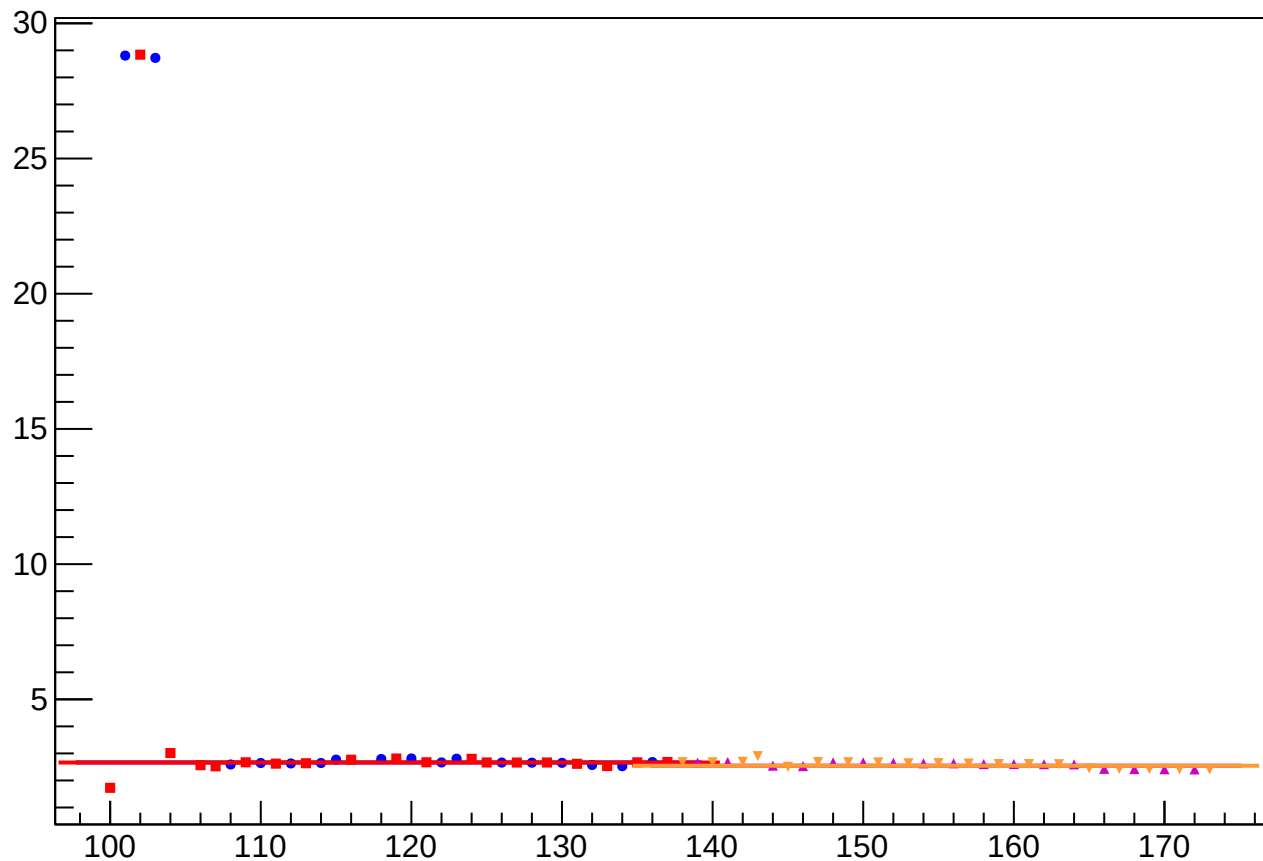
Right: 0.015+/-0.000 χ^2/NDF : 2421831.8/35

In: 0.017+/-0.000 χ^2/NDF :2654674.6/33

Out: 0.018+/-0.000 χ^2/NDF :1817228.6/37

All: 0.017+/-0.000 χ^2/NDF : 4480017.2/71

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.544 $\pm$ 0.000 χ^2 /NDF: 42266664642.9/18

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70398125461.7/18

Left In: 2.546 $\pm$ 0.000 χ^2 /NDF: 26239962520.7/16

Left: 2.545 $\pm$ 0.000 χ^2 /NDF: 68513388784.4/35

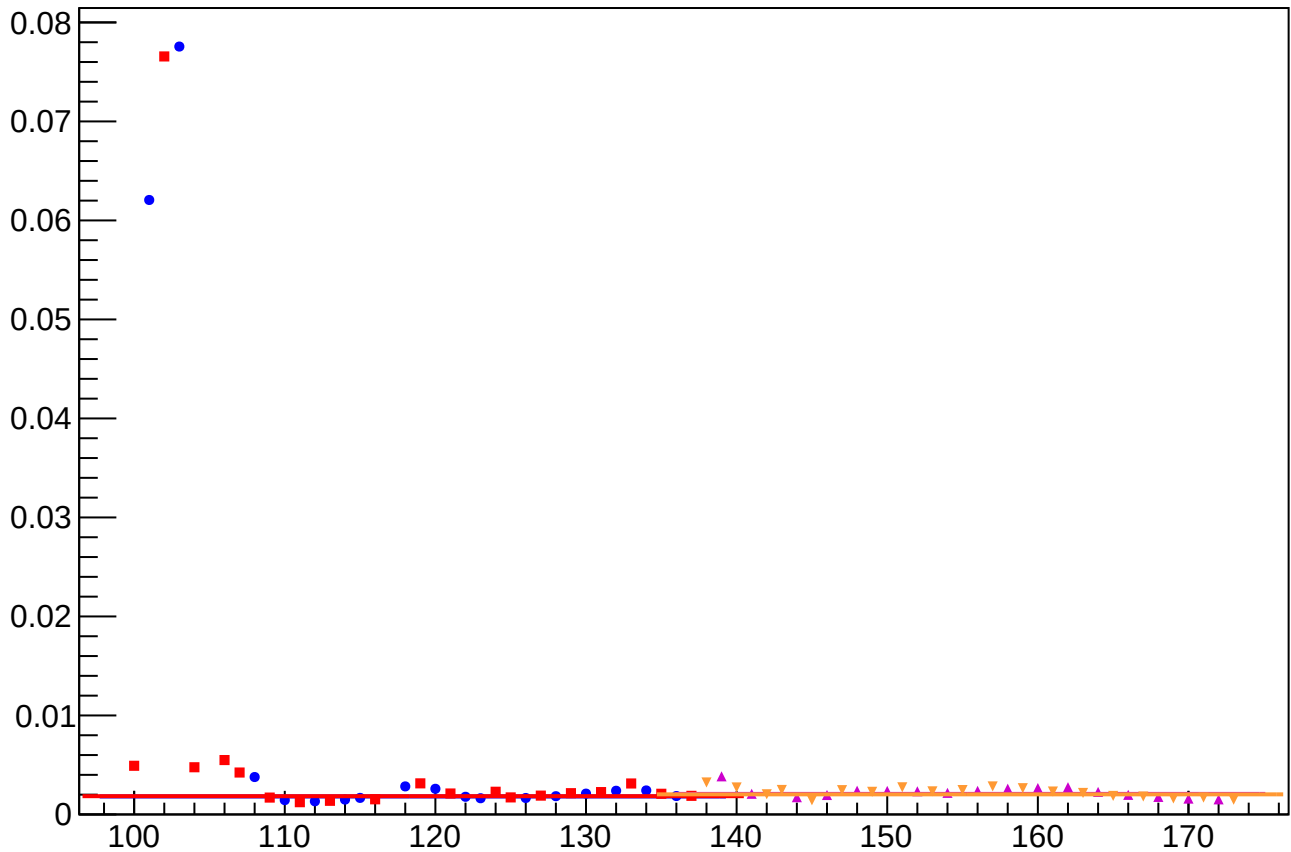
Right: 2.665 $\pm$ 0.000 χ^2 /NDF: 233569925265.6/35

In: 2.589 $\pm$ 0.000 χ^2 /NDF: 201887086124.7/33

Out: 2.585 $\pm$ 0.000 χ^2 /NDF: 126003866457.2/37

All: 2.587 $\pm$ 0.000 χ^2 /NDF: 327923536415.6

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF : 2661372.0/16

Left Out: 0.002+/-0.000 χ^2/NDF :1248905.1/18

Right Out: 0.002+/-0.000 χ^2/NDF : 2331228.4/18

Left In: 0.002+/-0.000 χ^2/NDF :970770.0/16

Left: 0.002+/-0.000 χ^2/NDF : 2224793.8/35

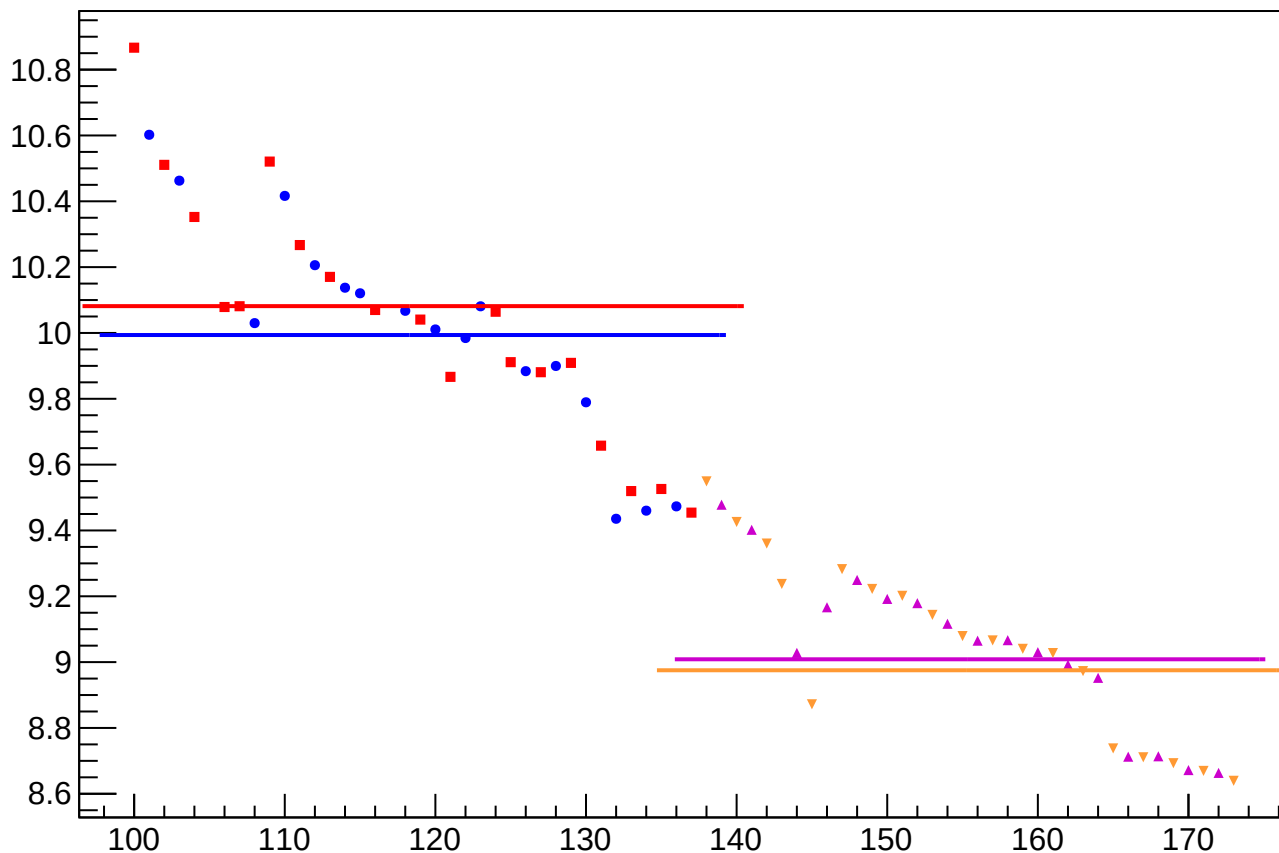
Right: 0.002+/-0.000 χ^2/NDF : 4993749.3/35

In: 0.002+/-0.000 χ^2/NDF :3747830.1/33

Out: 0.002+/-0.000 χ^2/NDF :3643783.7/37

All: 0.002+/-0.000 χ^2/NDF : 7392619.6/71

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994 $\pm$ 0.000 χ^2 /NDF: 18815741664.6/16

Left Out: 8.975 $\pm$ 0.000 χ^2 /NDF: 19450877675.5/18

Right Out: 10.082 $\pm$ 0.000 χ^2 /NDF: 15502695798.7/18

Left In: 9.009 $\pm$ 0.000 χ^2 /NDF: 14785517213.0/16

Left: 8.991 $\pm$ 0.000 χ^2 /NDF: 34402234139.6/35

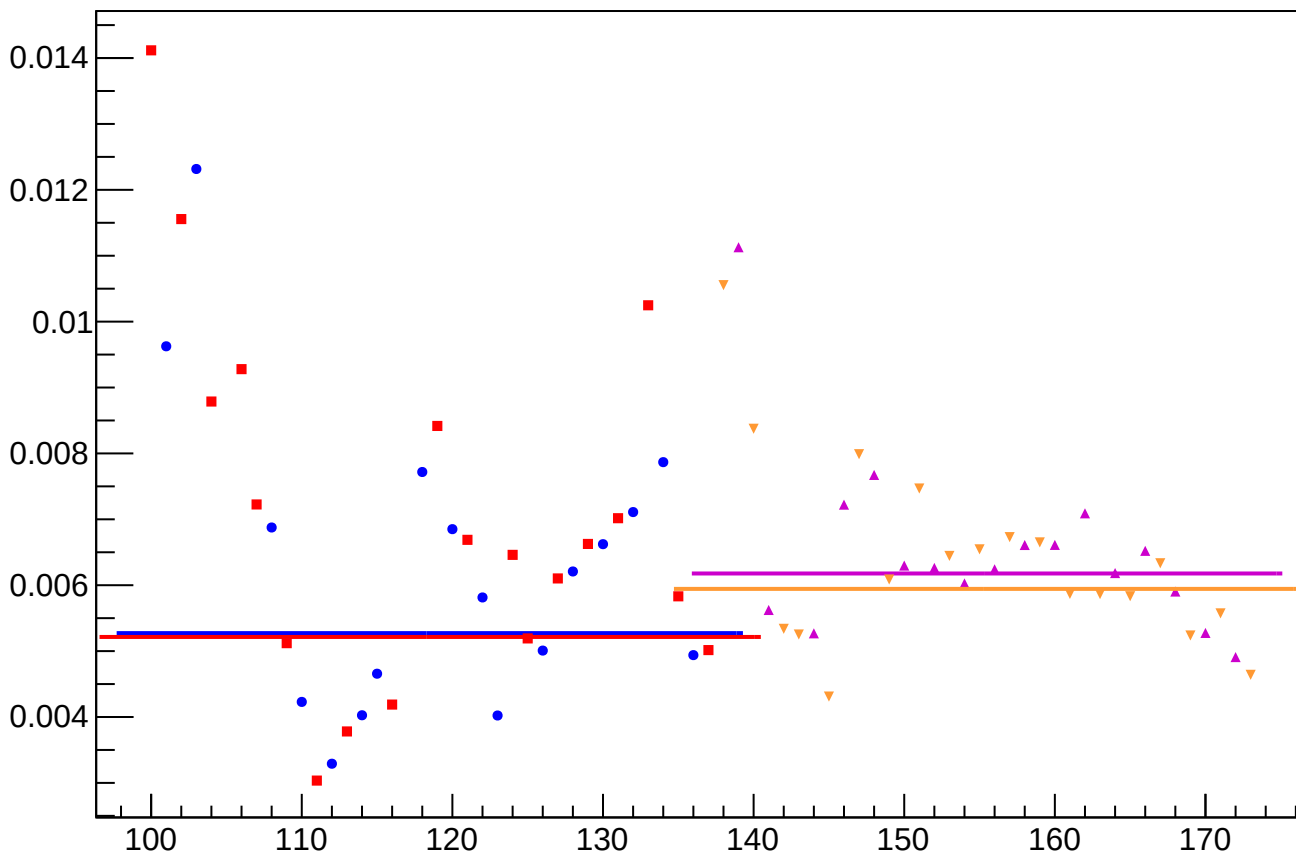
Right: 10.039 $\pm$ 0.000 χ^2 /NDF: 35036056098.5/35

In: 9.396 $\pm$ 0.000 χ^2 /NDF: 140016062656.2/33

Out: 9.389 $\pm$ 0.000 χ^2 /NDF: 182194040259.7/37

All: 9.392 $\pm$ 0.000 χ^2 /NDF: 322223314221.9

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 1245563.1/16

Left Out: 0.006+/-0.000 χ^2/NDF :844800.3/18

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

Left In: 0.006+/-0.000 χ^2/NDF :554086.3/16

Left: 0.006+/-0.000 χ^2/NDF : 1415199.3/35

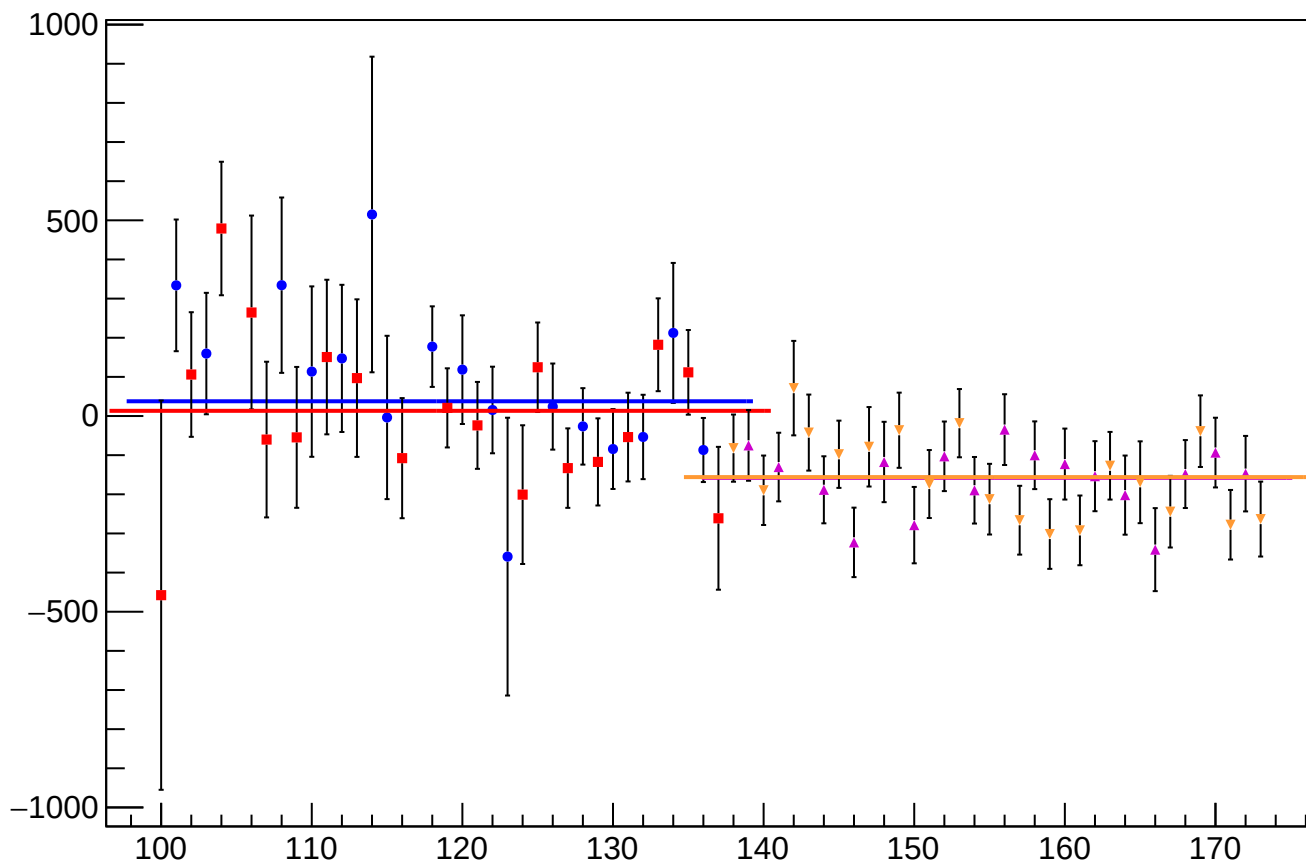
Right: 0.005+/-0.000 χ^2/NDF : 2904141.2/35

In: 0.006+/-0.000 χ^2/NDF :1979285.9/33

Out: 0.006+/-0.000 χ^2/NDF :2630790.4/37

All: 0.006+/-0.000 χ^2/NDF : 4621033.7/71

reg_asym_sam1_mean vs Slug, Sign Corrected

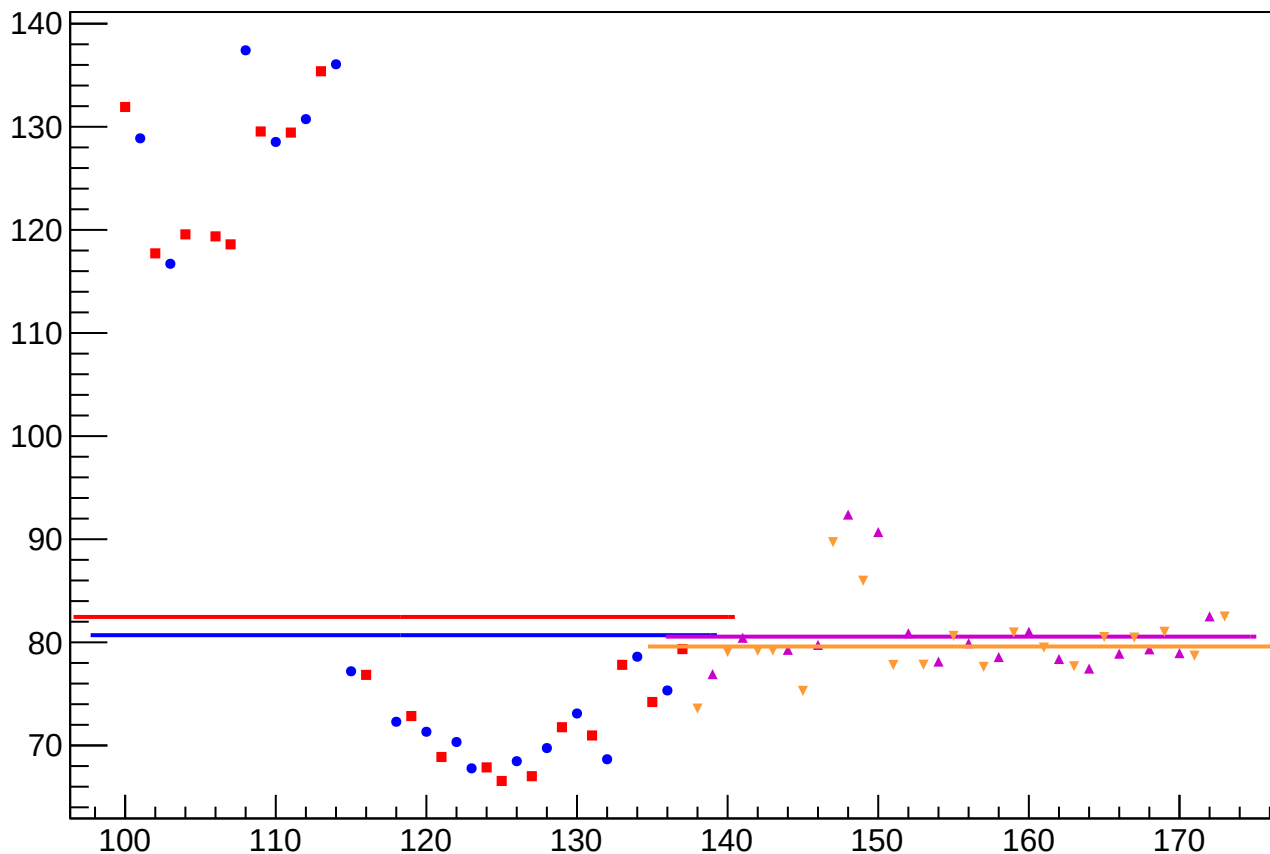


Right In: 37.694 ± 32.253 $\chi^2/\text{NDF}: 16.7/16$
 Left Out: -156.048 ± 21.096 $\chi^2/\text{NDF}: 23.7/18$
 Right Out: 13.278 ± 32.066 $\chi^2/\text{NDF}: 22.7/18$
 Left In: -157.972 ± 22.160 $\chi^2/\text{NDF}: 12.9/16$

Left: -156.963 ± 15.279 $\chi^2/\text{NDF}: 36.7/35$
 Right: 25.415 ± 22.740 $\chi^2/\text{NDF}: 39.7/35$
 In: -95.228 ± 18.264 $\chi^2/\text{NDF}: 54.6/33$
 Out: -104.899 ± 17.624 $\chi^2/\text{NDF}: 65.9/37$

All: -100.236 ± 12.682 $\chi^2/\text{NDF}: 120.7/71$

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.597 $\pm$ 0.015 χ^2 /NDF: 50960.6/18

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

Left In: 80.553 $\pm$ 0.016 χ^2 /NDF: 60325.8/16

Left: 80.052 $\pm$ 0.011 χ^2 /NDF: 113239.5/35

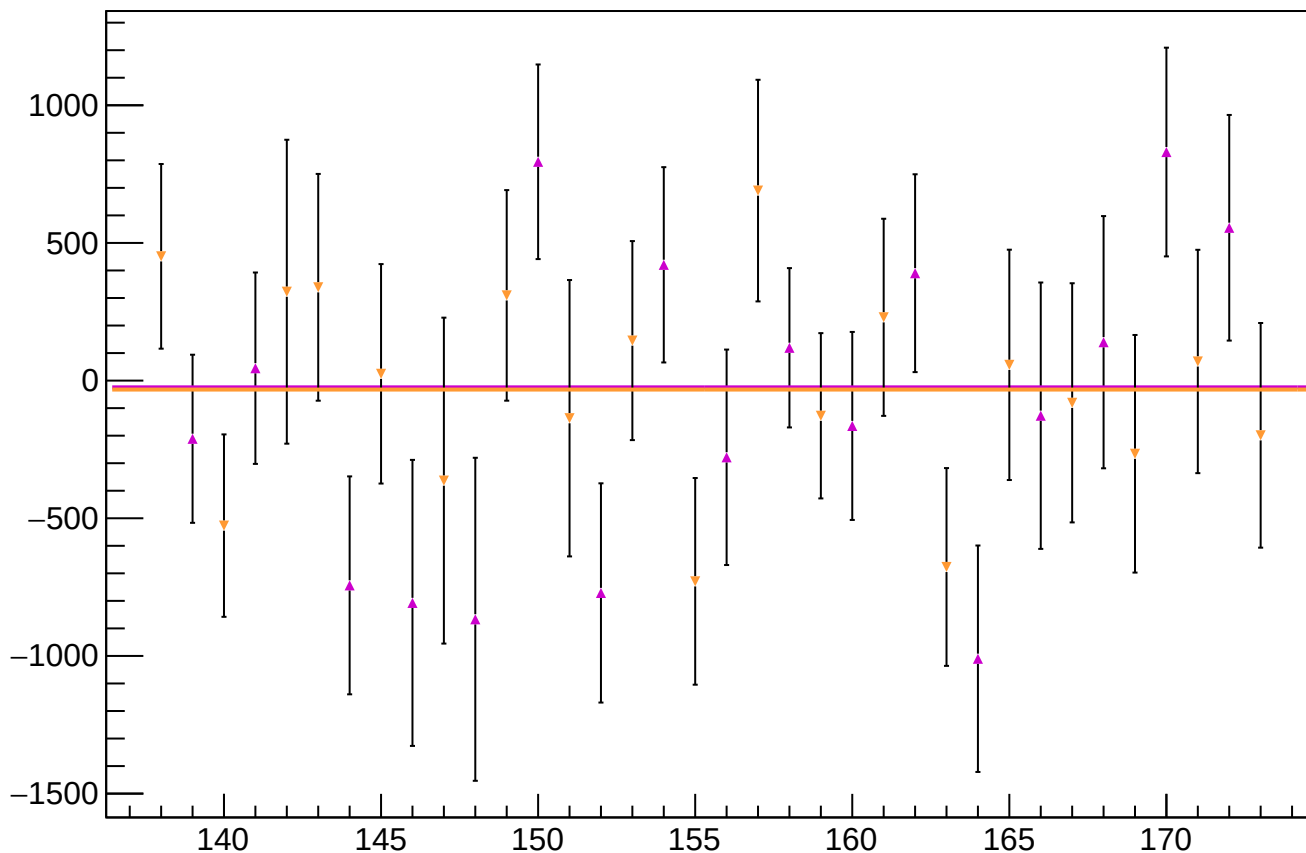
Right: 81.584 $\pm$ 0.016 χ^2 /NDF: 1731931.3/35

In: 80.599 $\pm$ 0.013 χ^2 /NDF: 874378.1/33

Out: 80.463 $\pm$ 0.012 χ^2 /NDF: 976990.9/37

All: 80.529 $\pm$ 0.009 χ^2 /NDF: 1851425.9/71

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: -32.547+/-90.093 χ^2/NDF :18.1/18

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

Left In: -24.522+/-92.473 χ^2/NDF :33.7/16

Left: -28.639+/-64.531 χ^2/NDF : 51.7/35

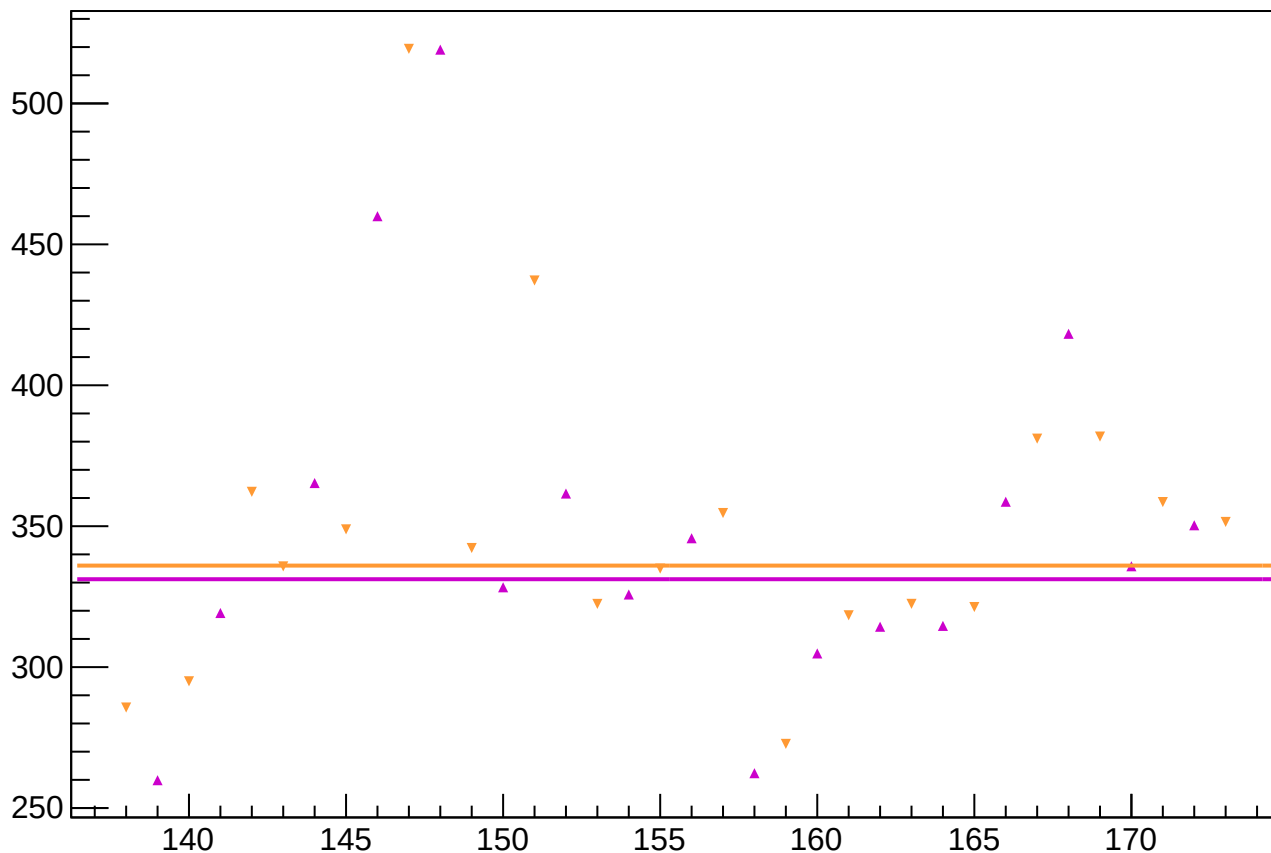
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.522+/-92.473 χ^2/NDF :33.7/16

Out: -32.547+/-90.093 χ^2/NDF :18.1/18

All: -28.639+/-64.531 χ^2/NDF : 51.7/35

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 336.025+/-0.064 χ^2/NDF :515337.2/18

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

Left In: 331.189+/-0.065 χ^2/NDF :685740.3/16

Left: 333.670+/-0.046 χ^2/NDF : 1203883.6/35

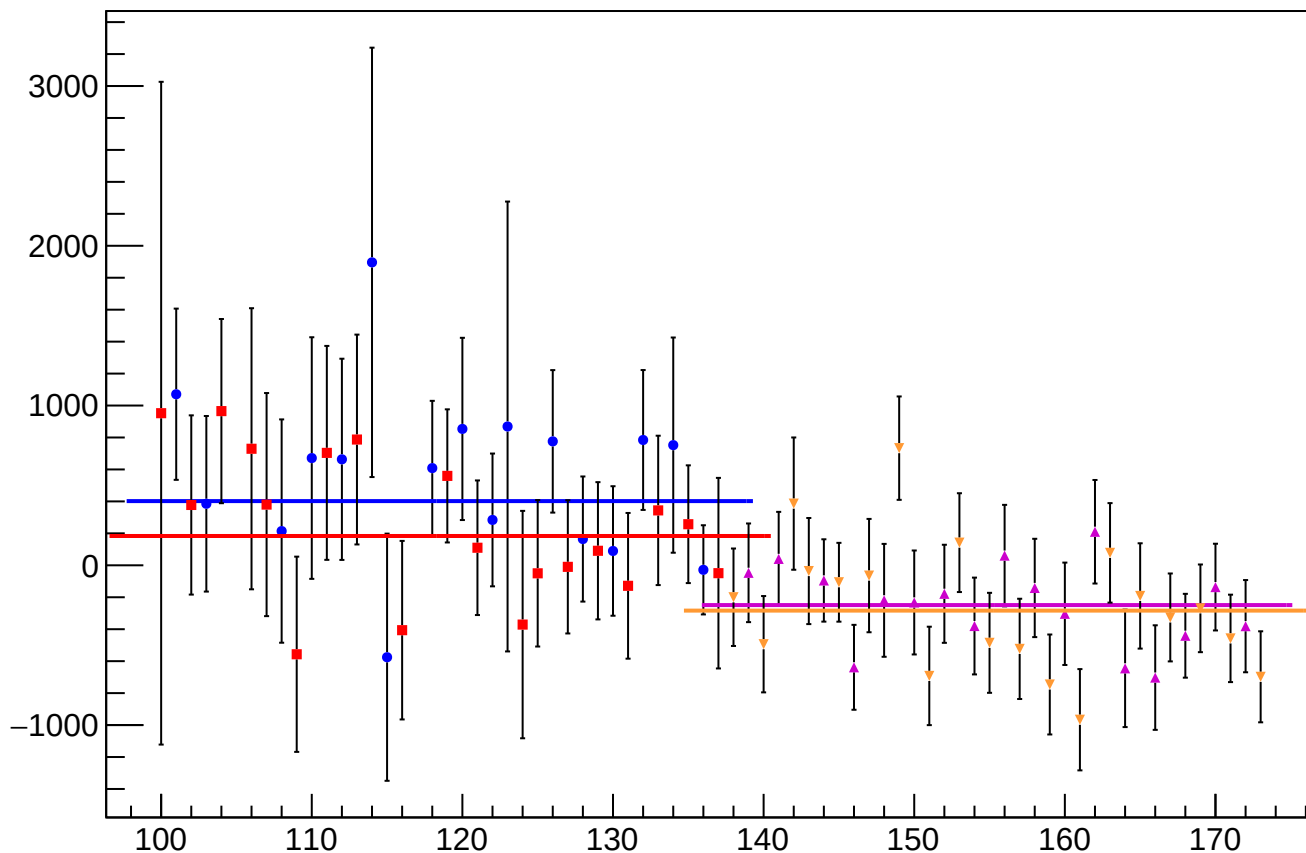
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 331.189+/-0.065 χ^2/NDF :685740.3/16

Out: 336.025+/-0.064 χ^2/NDF :515337.2/18

All: 333.670+/-0.046 χ^2/NDF : 1203883.6/35

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 ± 121.048 χ^2/NDF : 10.9/16

Left Out: -283.571 ± 70.048 χ^2/NDF : 30.0/18

Right Out: 183.481 ± 120.338 χ^2/NDF : 9.3/18

Left In: -248.956 ± 73.167 χ^2/NDF : 11.3/16

Left: -267.017 ± 50.598 χ^2/NDF : 41.3/35

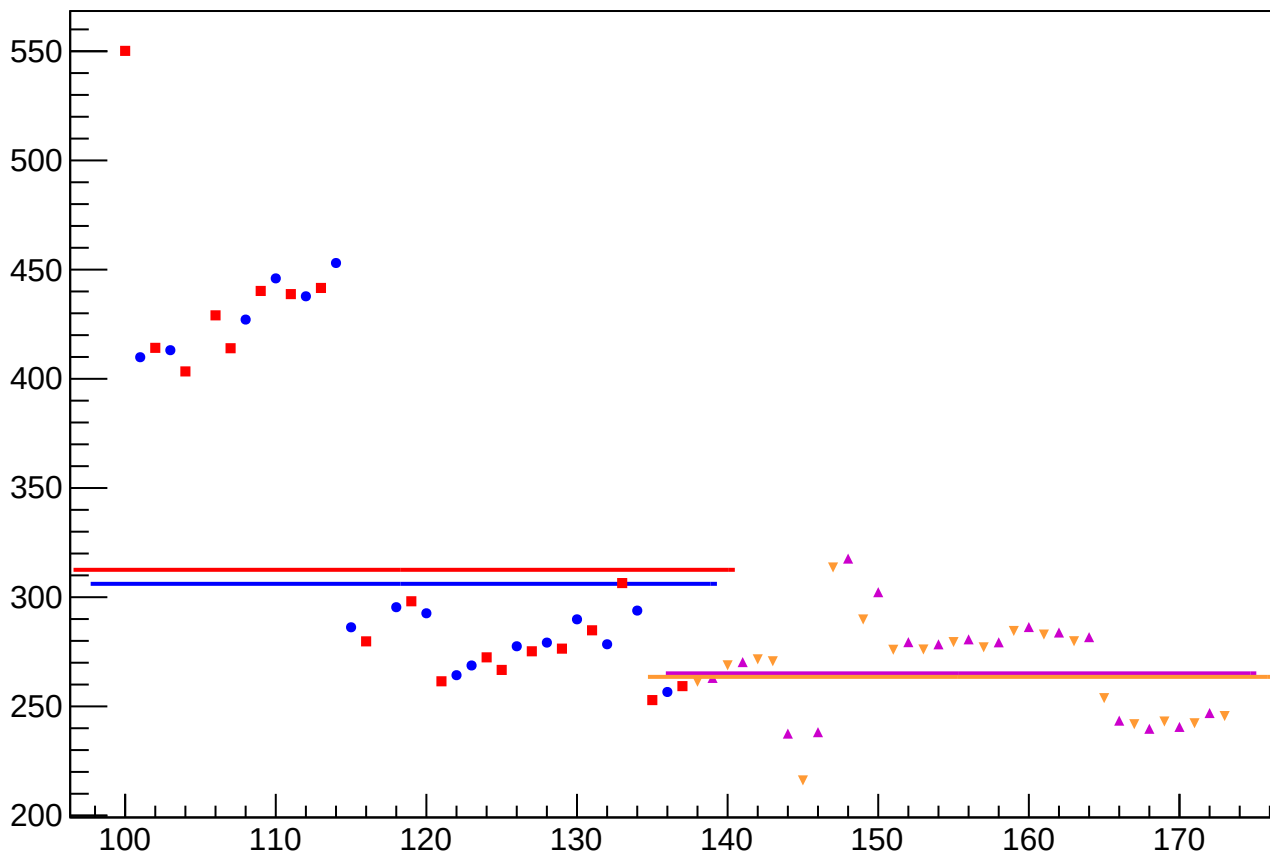
Right: 292.034 ± 85.342 χ^2/NDF : 21.9/35

In: -74.799 ± 62.617 χ^2/NDF : 43.3/33

Out: -165.370 ± 60.538 χ^2/NDF : 50.6/37

All: -121.613 ± 43.523 χ^2/NDF : 95.0/71

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 263.523+/-0.050 χ^2/NDF : 212049.4/18

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

Left In: 265.131+/-0.052 χ^2/NDF : 202987.7/16

Left: 264.292+/-0.036 χ^2/NDF : 415540.8/35

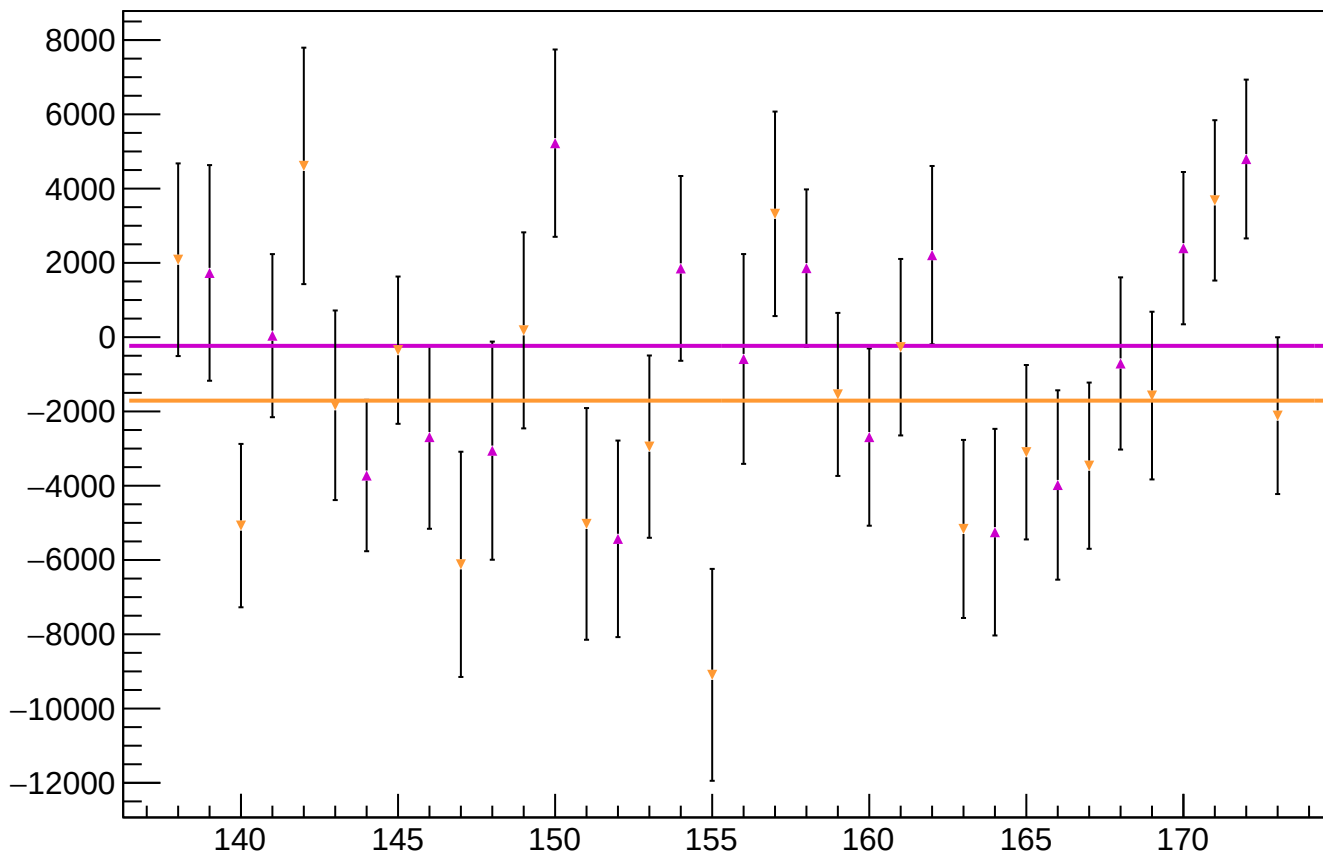
Right: 309.352+/-0.060 χ^2/NDF : 1137034.2/35

In: 276.100+/-0.044 χ^2/NDF : 879412.8/33

Out: 275.929+/-0.043 χ^2/NDF : 1085694.4/37

All: 276.012+/-0.031 χ^2/NDF : 1965114.9/71

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1709.026+/-557.915 χ^2/NDF :32.6/18

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

Left In: -233.879+/-584.098 χ^2/NDF :30.3/16

Left: -1005.256+/-403.444 χ^2/NDF : 66.3/35

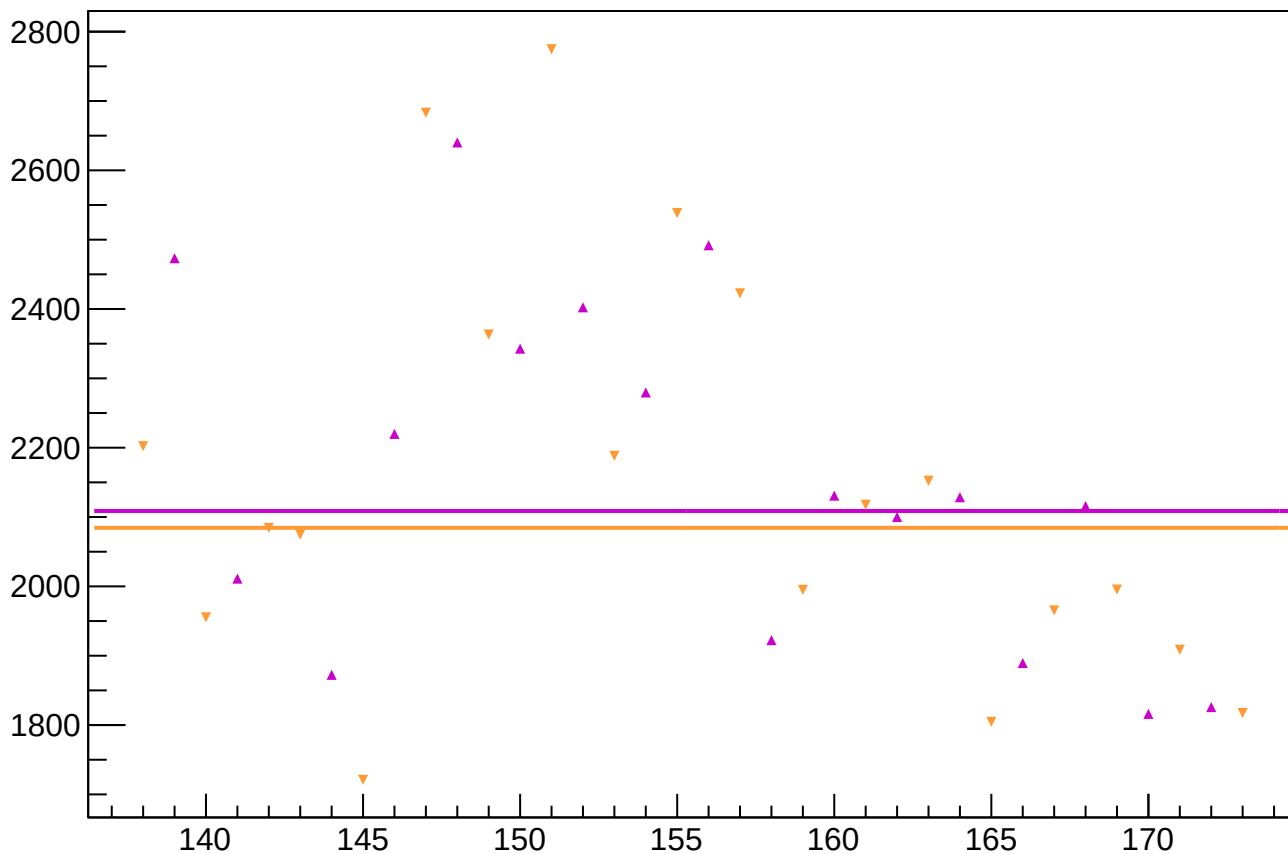
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -233.879+/-584.098 χ^2/NDF :30.3/16

Out: -1709.026+/-557.915 χ^2/NDF :32.6/18

All: -1005.256+/-403.444 χ^2/NDF : 66.3/35

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2084.464+/-0.395 χ^2/NDF : 448586.0/18

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

Left In: 2108.748+/-0.413 χ^2/NDF : 326335.8/16

Left: 2096.050+/-0.285 χ^2/NDF : 776729.5/35

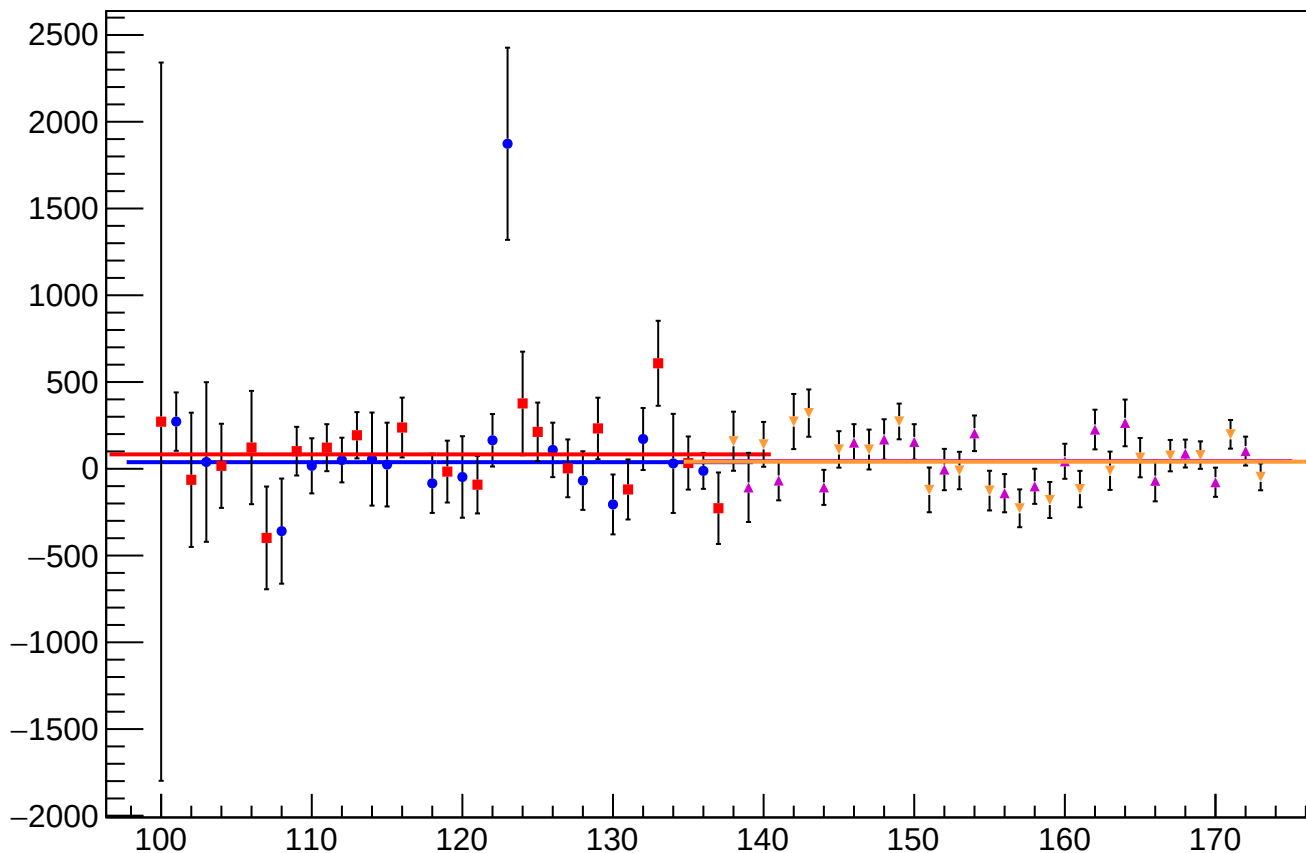
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2108.748+/-0.413 χ^2/NDF : 326335.8/16

Out: 2084.464+/-0.395 χ^2/NDF : 448586.0/18

All: 2096.050+/-0.285 χ^2/NDF : 776729.5/35

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126+/-43.548 χ^2/NDF : 19.4/16

Left Out: 40.883+/-24.304 χ^2/NDF : 35.7/18

Right Out: 83.101+/-43.098 χ^2/NDF : 16.7/18

Left In: 44.393+/-25.450 χ^2/NDF : 23.6/16

Left: 42.557+/-17.577 χ^2/NDF : 59.2/35

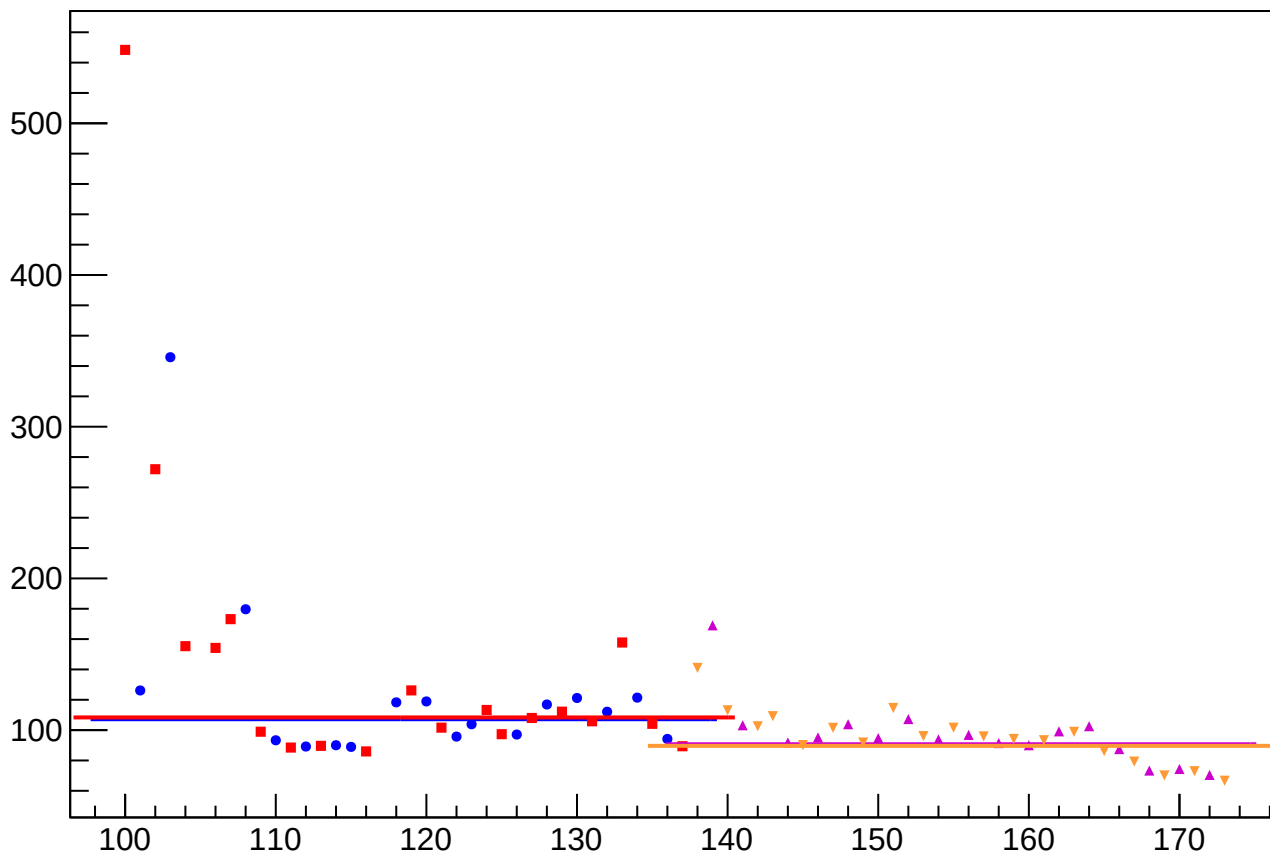
Right: 60.847+/-30.633 χ^2/NDF : 36.7/35

In: 42.798+/-21.973 χ^2/NDF : 43.0/33

Out: 51.070+/-21.170 χ^2/NDF : 53.1/37

All: 47.088+/-15.245 χ^2/NDF : 96.2/71

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 ± 0.031 $\chi^2/\text{NDF}: 843115.1/16$

Left Out: 89.634 ± 0.017 $\chi^2/\text{NDF}: 862456.8/18$

Right Out: 108.359 ± 0.030 $\chi^2/\text{NDF}: 917287.7/18$

Left In: 90.682 ± 0.018 $\chi^2/\text{NDF}: 727205.2/16$

Left: 90.134 ± 0.012 $\chi^2/\text{NDF}: 1591438.8/35$

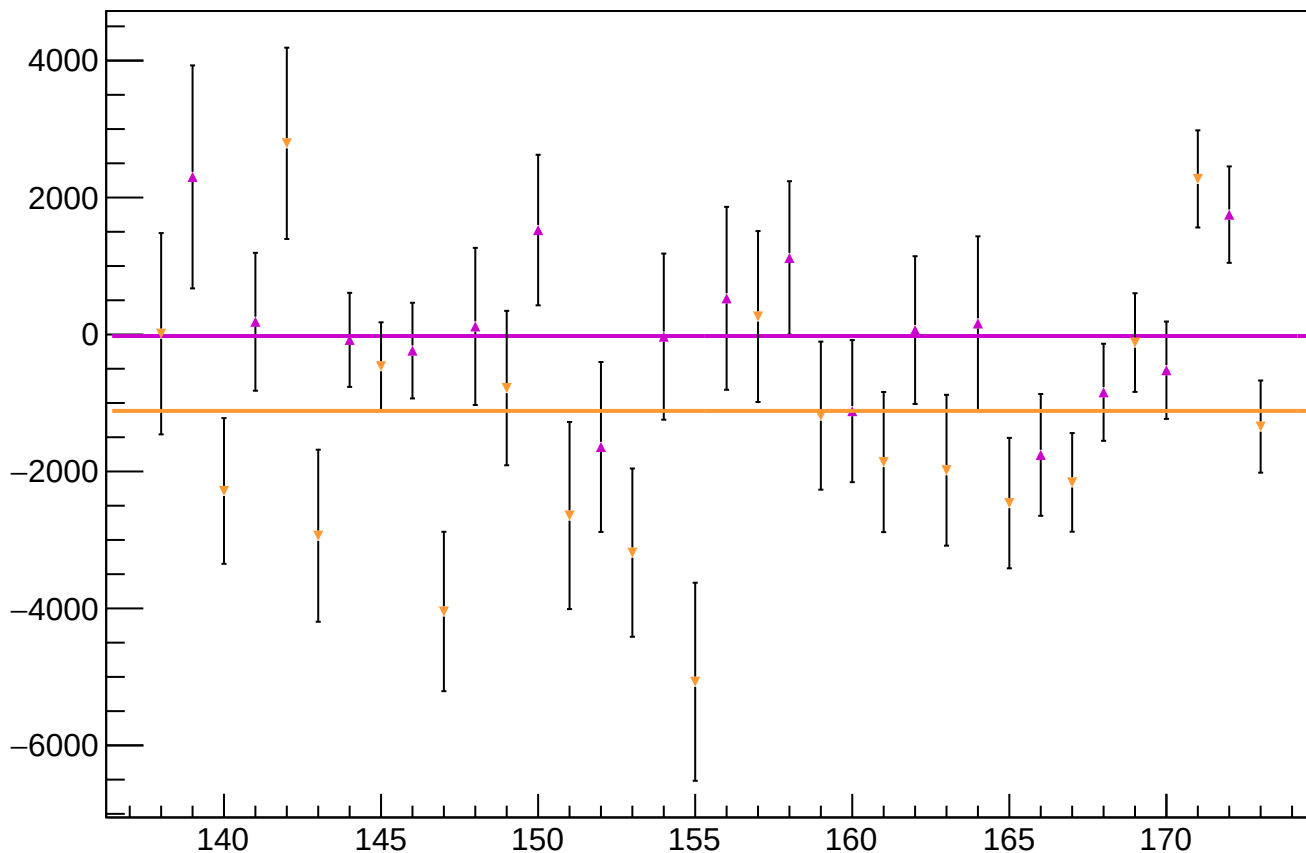
Right: 107.780 ± 0.022 $\chi^2/\text{NDF}: 1761132.0/35$

In: 94.885 ± 0.016 $\chi^2/\text{NDF}: 1784509.2/33$

Out: 94.152 ± 0.015 $\chi^2/\text{NDF}: 2066197.1/37$

All: 94.505 ± 0.011 $\chi^2/\text{NDF}: 3851861.4/71$

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1115.853+/-220.553 χ^2/NDF :62.1/18

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

Left In: -22.262+/-226.663 χ^2/NDF :20.2/16

Left: -583.995+/-158.070 χ^2/NDF : 94.3/35

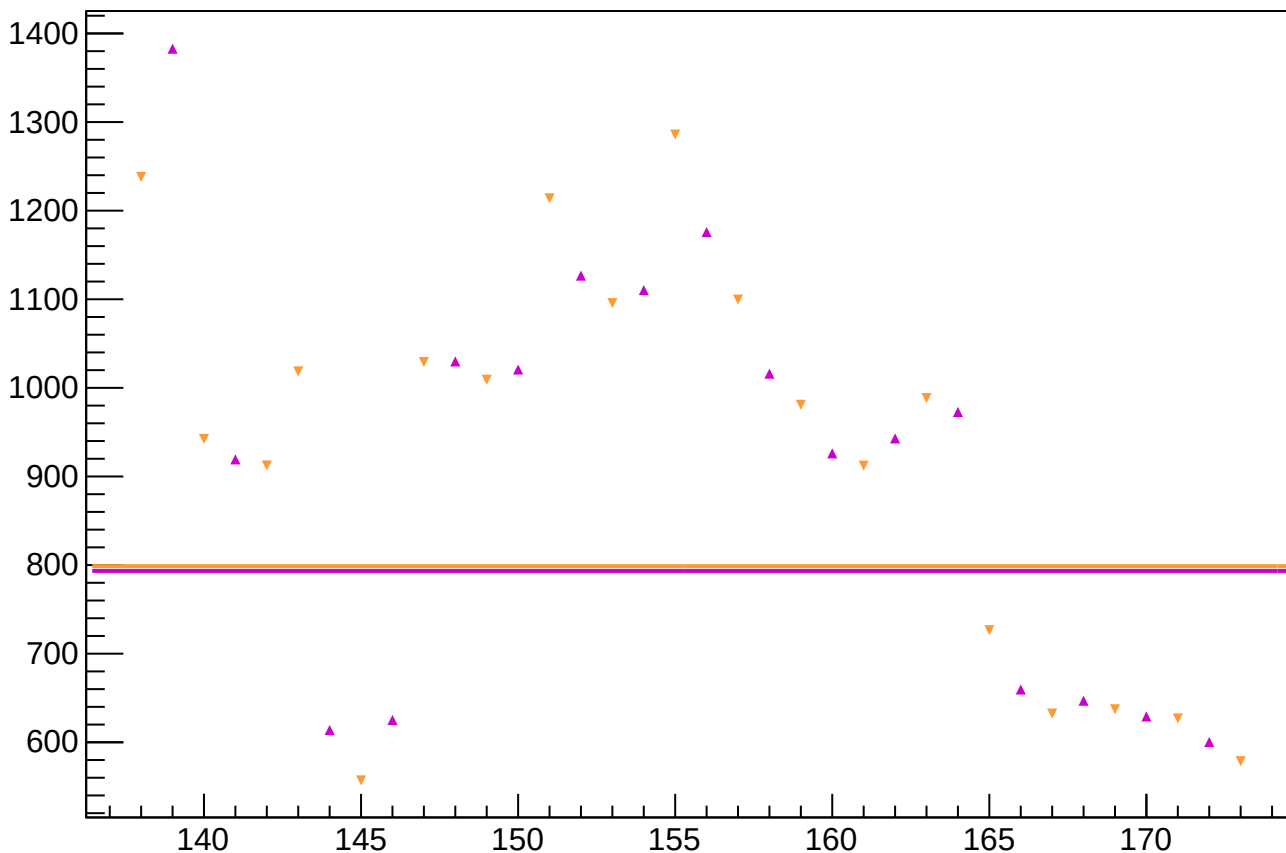
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -22.262+/-226.663 χ^2/NDF :20.2/16

Out: -1115.853+/-220.553 χ^2/NDF :62.1/18

All: -583.995+/-158.070 χ^2/NDF : 94.3/35

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 798.811+/-0.156 χ^2/NDF :2057516.1/18

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

Left In: 793.412+/-0.160 χ^2/NDF :1738937.0/16

Left: 796.185+/-0.112 χ^2/NDF : 3797035.9/35

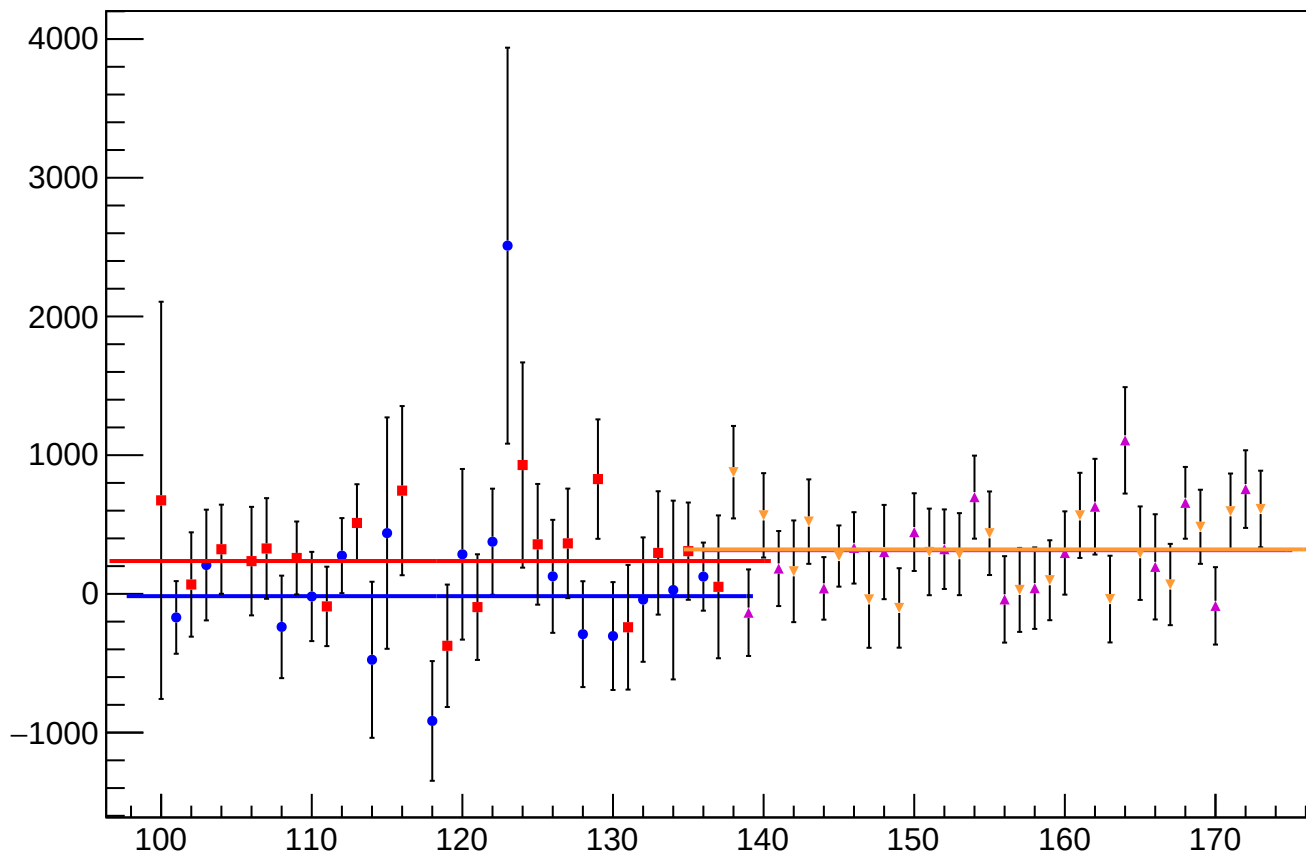
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 793.412+/-0.160 χ^2/NDF :1738937.0/16

Out: 798.811+/-0.156 χ^2/NDF :2057516.1/18

All: 796.185+/-0.112 χ^2/NDF : 3797035.9/35

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 320.531 ± 67.948 $\chi^2/\text{NDF}: 14.2/18$

Right Out: 236.984 ± 88.937 $\chi^2/\text{NDF}: 10.3/18$

Left In: 314.949 ± 70.873 $\chi^2/\text{NDF}: 19.3/16$

Left: 317.857 ± 49.048 $\chi^2/\text{NDF}: 33.6/35$

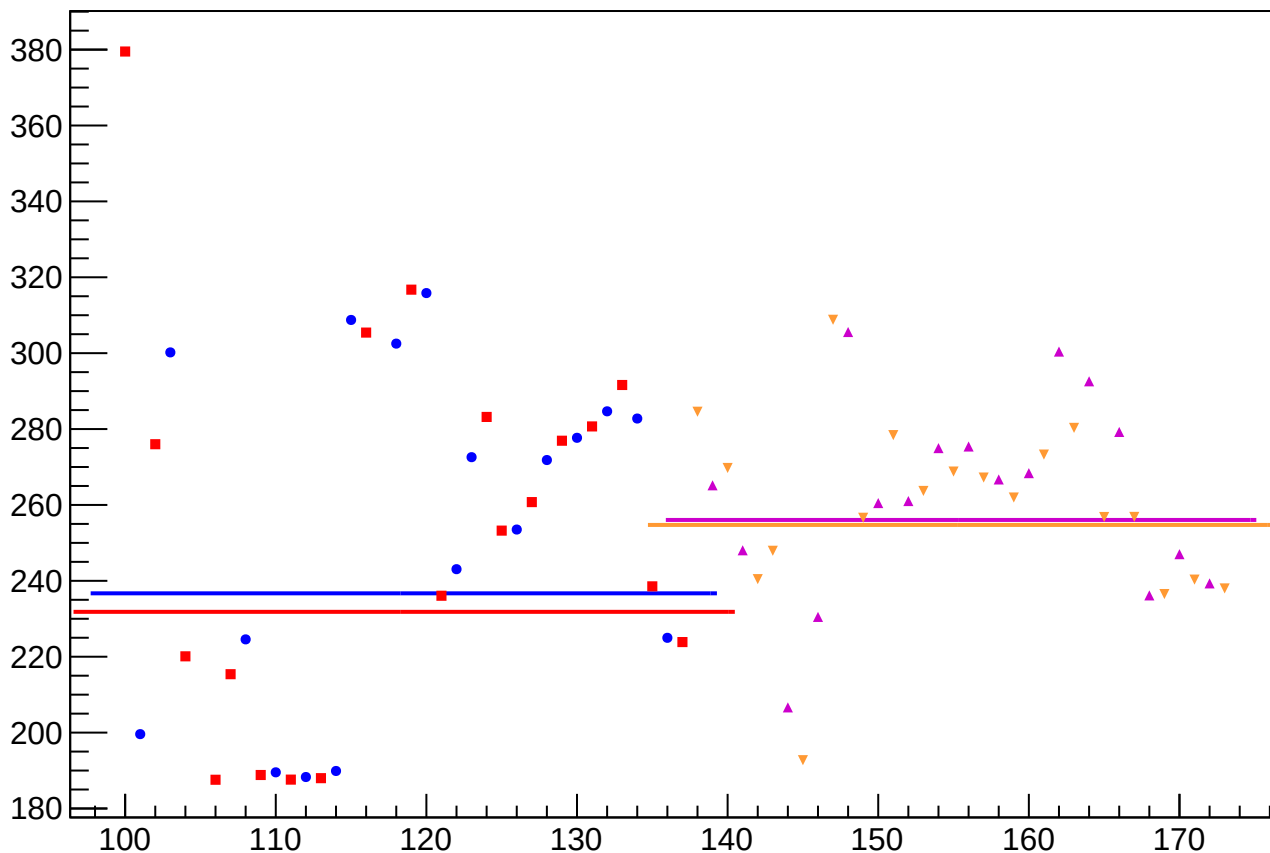
Right: 116.305 ± 64.370 $\chi^2/\text{NDF}: 27.6/35$

In: 193.662 ± 56.433 $\chi^2/\text{NDF}: 40.8/33$

Out: 289.738 ± 53.993 $\chi^2/\text{NDF}: 25.1/37$

All: 243.822 ± 39.013 $\chi^2/\text{NDF}: 67.4/71$

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706 $\pm$ 0.066 χ^2 /NDF: 390344.9/16

Left Out: 254.732 $\pm$ 0.048 χ^2 /NDF: 296492.3/18

Right Out: 231.828 $\pm$ 0.063 χ^2 /NDF: 443276.3/18

Left In: 256.045 $\pm$ 0.050 χ^2 /NDF: 264228.5/16

Left: 255.361 $\pm$ 0.035 χ^2 /NDF: 561078.7/35

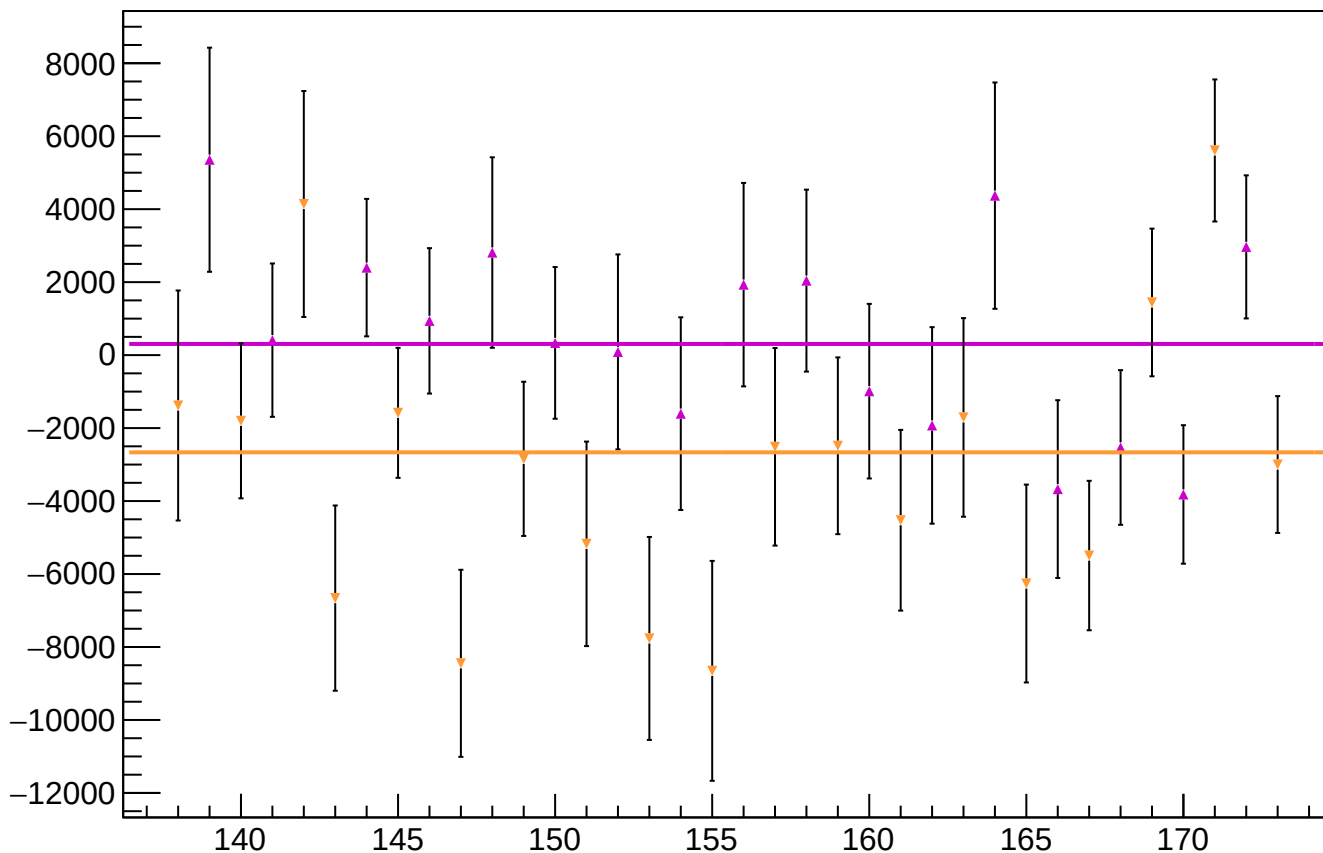
Right: 234.151 $\pm$ 0.046 χ^2 /NDF: 836486.0/35

In: 248.968 $\pm$ 0.040 χ^2 /NDF: 709072.9/33

Out: 246.290 $\pm$ 0.038 χ^2 /NDF: 823521.9/37

All: 247.570 $\pm$ 0.028 χ^2 /NDF: 1534945.0/71

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -2665.244+/-541.400 χ^2/NDF :47.8/18

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

Left In: 305.819+/-562.346 χ^2/NDF :20.0/16

Left: -1236.073+/-390.022 χ^2/NDF : 82.3/35

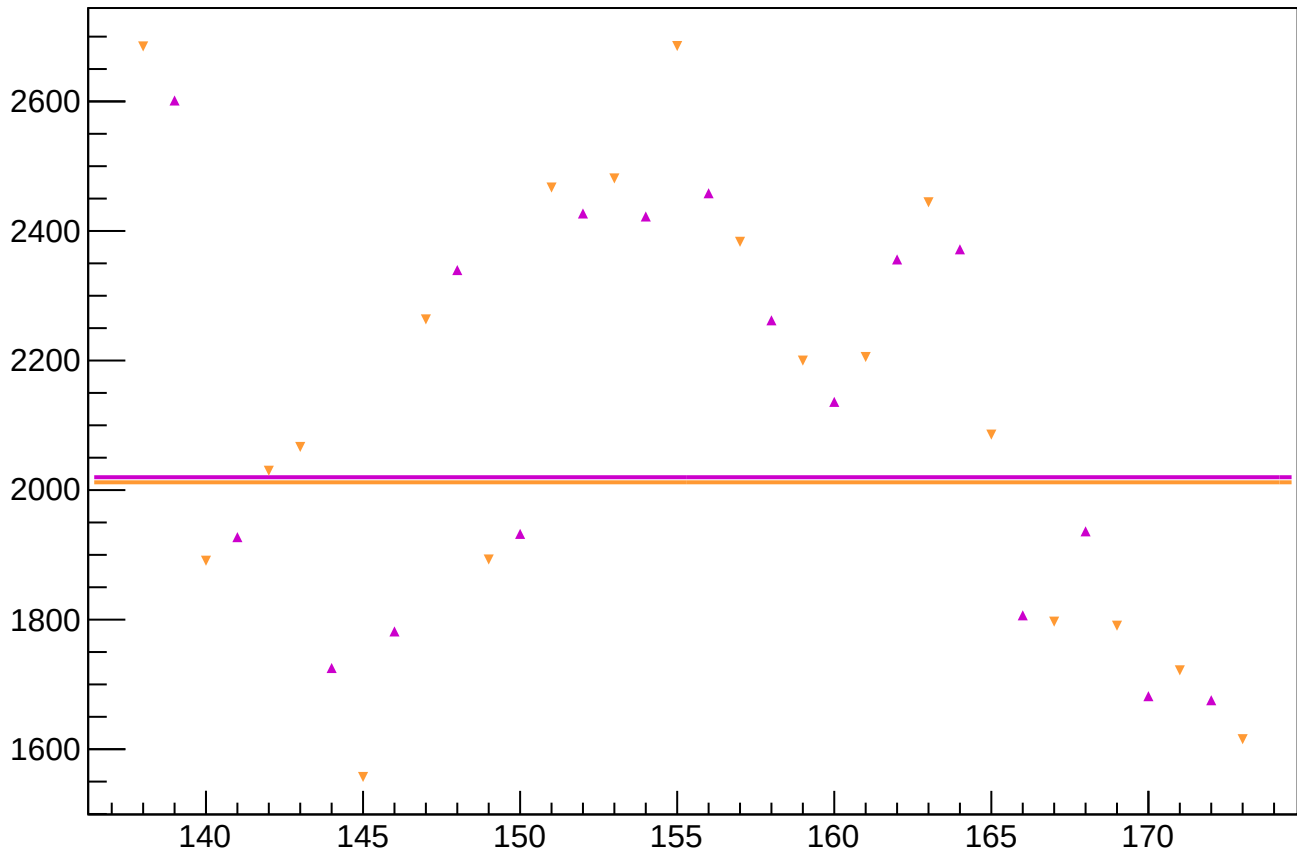
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 305.819+/-562.346 χ^2/NDF :20.0/16

Out: -2665.244+/-541.400 χ^2/NDF :47.8/18

All: -1236.073+/-390.022 χ^2/NDF : 82.3/35

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2012.009+/-0.383 χ^2/NDF : 757849.9/18

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

Left In: 2019.857+/-0.398 χ^2/NDF : 552920.0/16

Left: 2015.784+/-0.276 χ^2/NDF : 1310972.1/35

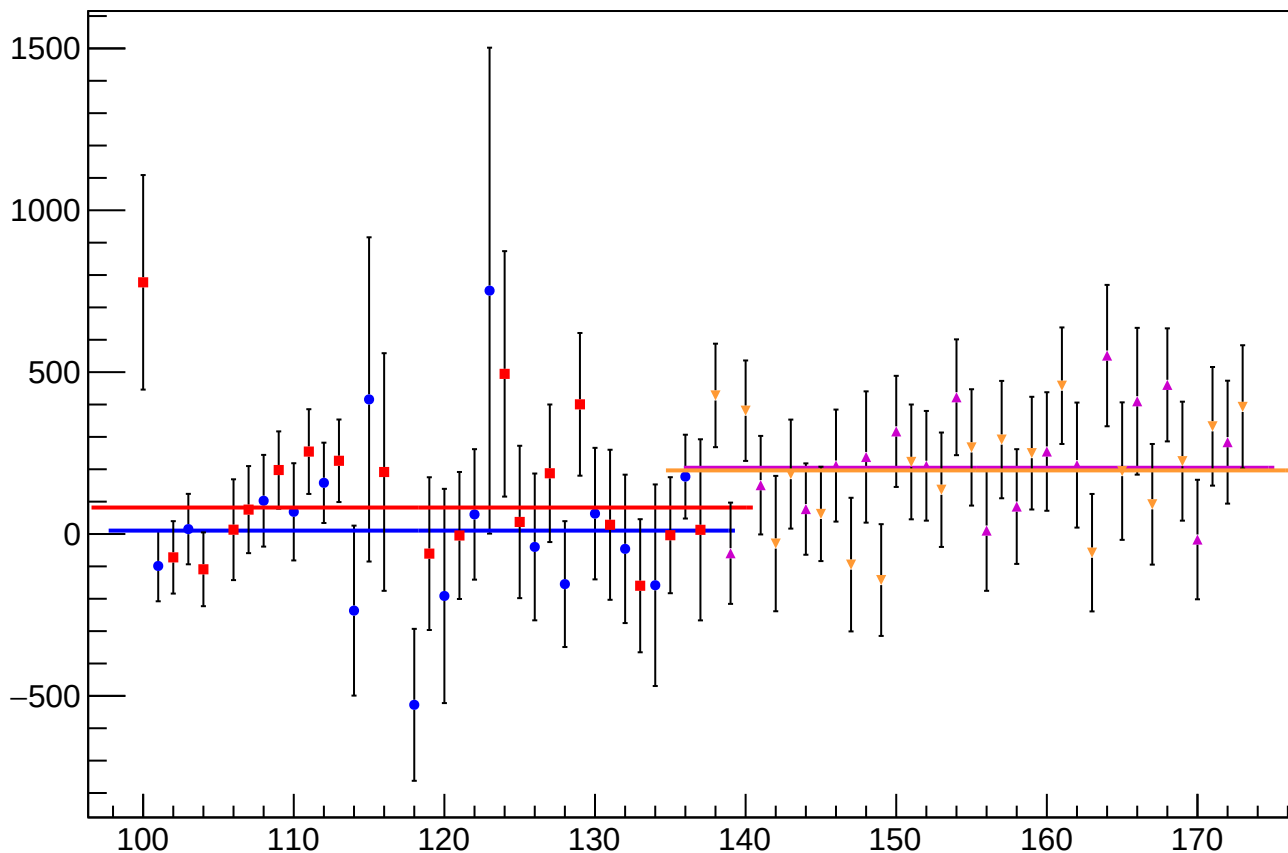
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2019.857+/-0.398 χ^2/NDF : 552920.0/16

Out: 2012.009+/-0.383 χ^2/NDF : 757849.9/18

All: 2015.784+/-0.276 χ^2/NDF : 1310972.1/35

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 196.500+/-40.812 χ^2/NDF : 18.1/18

Right Out: 81.802+/-38.985 χ^2/NDF : 19.2/18

Left In: 204.655+/-43.046 χ^2/NDF : 14.5/16

Left: 200.361+/-29.617 χ^2/NDF : 32.5/35

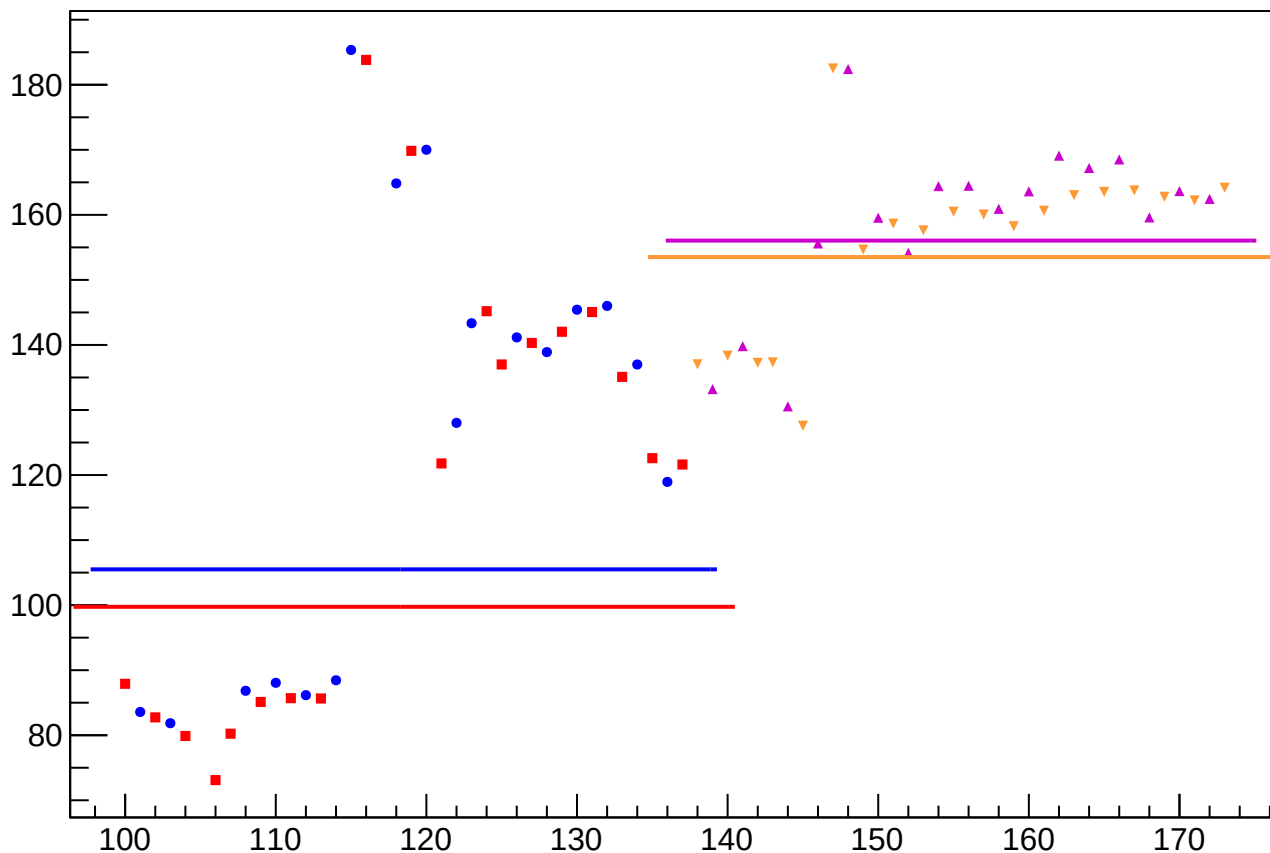
Right: 49.063+/-28.665 χ^2/NDF : 34.8/35

In: 105.883+/-30.169 χ^2/NDF : 38.9/33

Out: 136.526+/-28.190 χ^2/NDF : 41.4/37

All: 122.242+/-20.598 χ^2/NDF : 80.8/71

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2/NDF : 869022.6/16

Left Out: 153.514 $\pm$ 0.029 χ^2/NDF : 218707.6/18

Right Out: 99.744 $\pm$ 0.028 χ^2/NDF : 1000097.3/18

Left In: 156.044 $\pm$ 0.030 χ^2/NDF : 205888.0/16

Left: 154.712 $\pm$ 0.021 χ^2/NDF : 428234.6/35

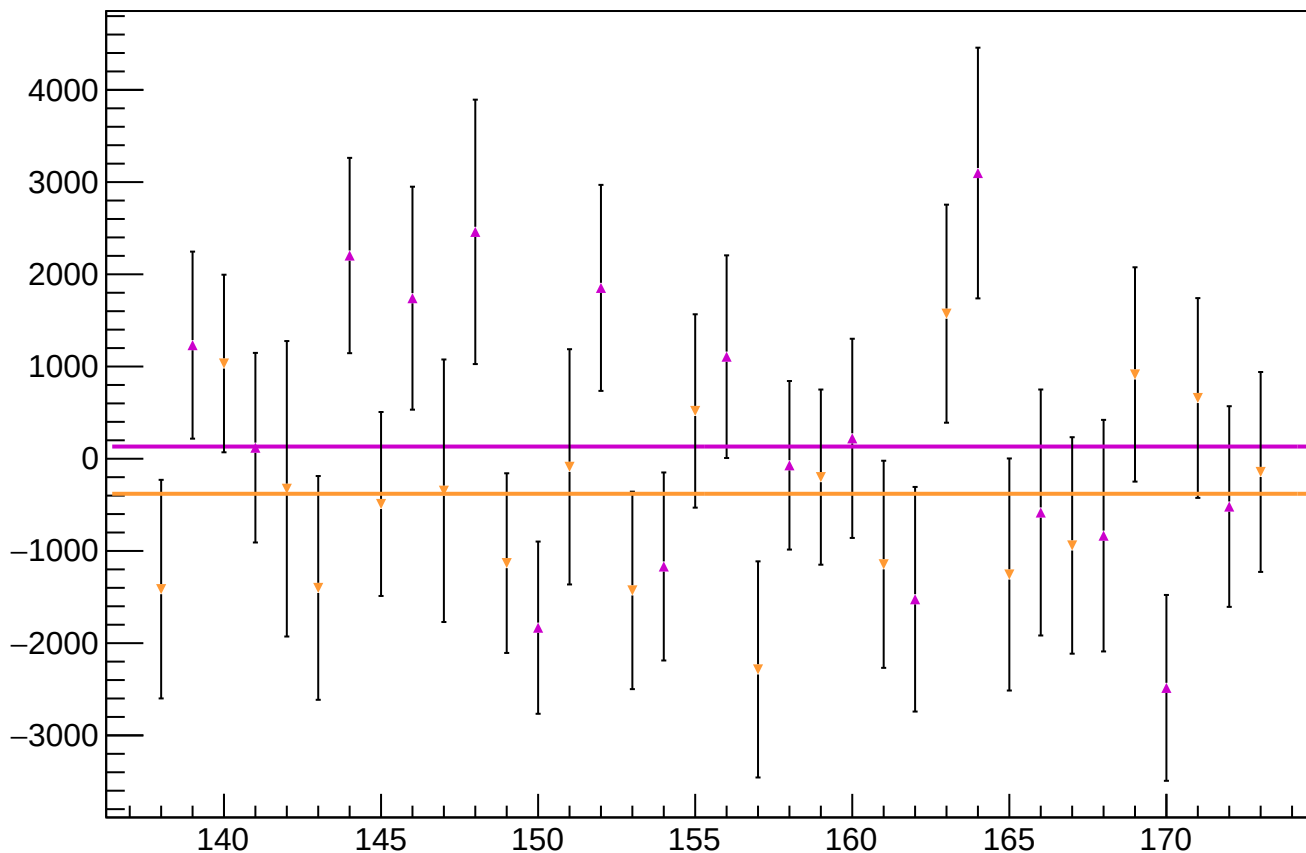
Right: 102.389 $\pm$ 0.020 χ^2/NDF : 1889165.6/35

In: 130.328 $\pm$ 0.021 χ^2/NDF : 2477778.2/33

Out: 125.398 $\pm$ 0.020 χ^2/NDF : 3034055.0/37

All: 127.696 $\pm$ 0.015 χ^2/NDF : 5540347.4/71

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -379.990 $\pm$ 258.599 χ^2 /NDF:14.8/18

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

Left In: 132.182 $\pm$ 267.122 χ^2 /NDF:33.3/16

Left: -132.205 $\pm$ 185.797 χ^2 /NDF: 49.9/35

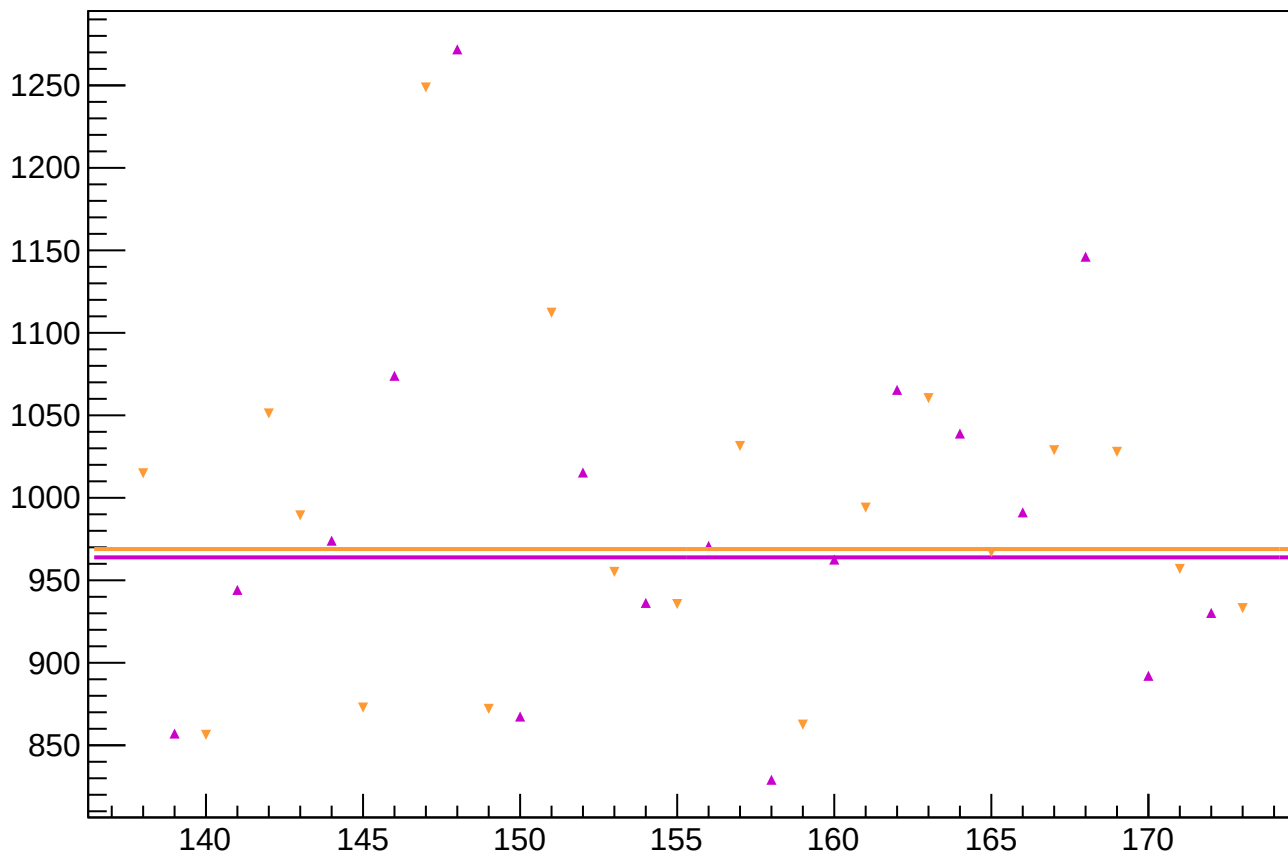
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 132.182 $\pm$ 267.122 χ^2 /NDF:33.3/16

Out: -379.990 $\pm$ 258.599 χ^2 /NDF:14.8/18

All: -132.205 $\pm$ 185.797 χ^2 /NDF: 49.9/35

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 968.957+/-0.183 χ^2/NDF :235909.7/18

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

Left In: 963.899+/-0.189 χ^2/NDF :277612.8/16

Left: 966.510+/-0.131 χ^2/NDF : 513892.7/35

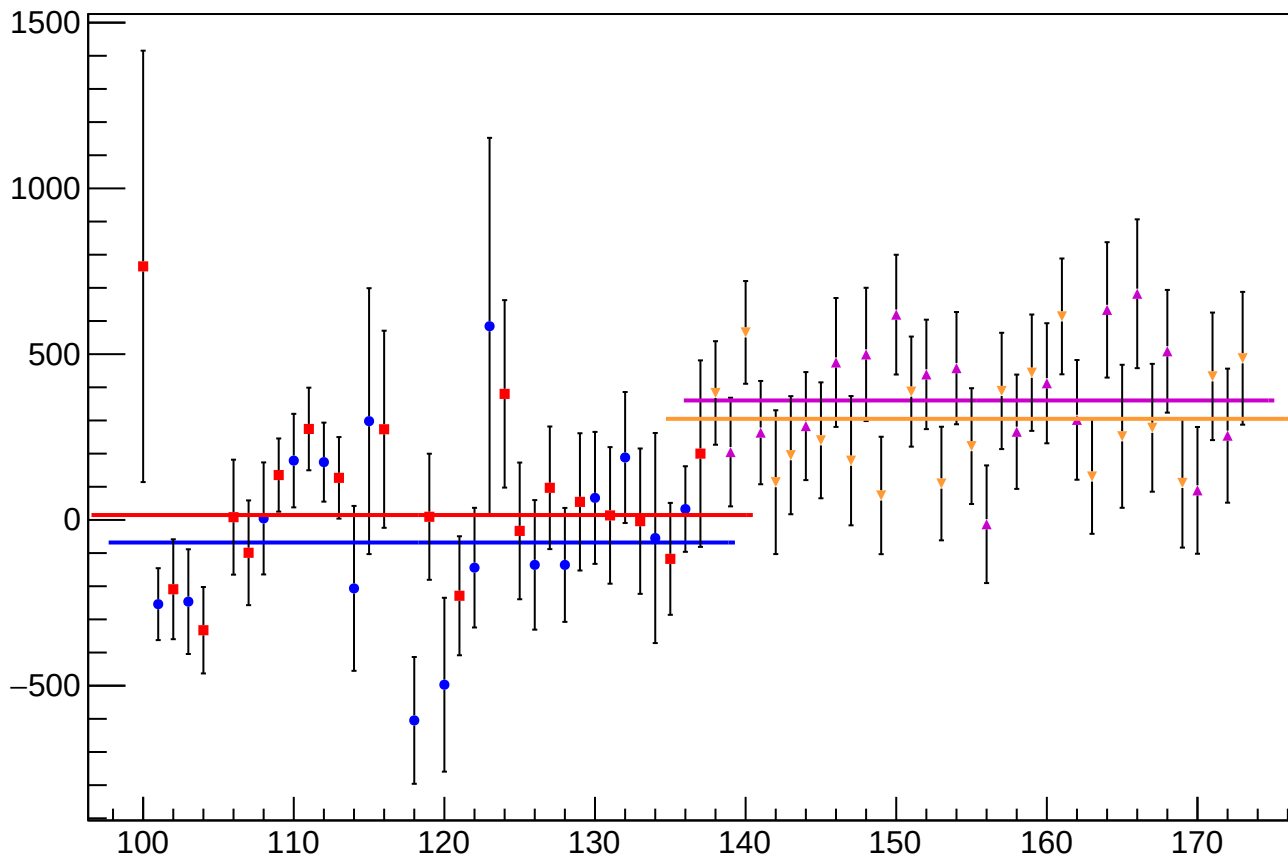
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 963.899+/-0.189 χ^2/NDF :277612.8/16

Out: 968.957+/-0.183 χ^2/NDF :235909.7/18

All: 966.510+/-0.131 χ^2/NDF : 513892.7/35

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 $\chi^2/\text{NDF}: 27.8/16$

Left Out: 304.944 ± 41.264 $\chi^2/\text{NDF}: 15.6/18$

Right Out: 14.800 ± 39.467 $\chi^2/\text{NDF}: 23.1/18$

Left In: 360.346 ± 43.812 $\chi^2/\text{NDF}: 16.6/16$

Left: 330.987 ± 30.039 $\chi^2/\text{NDF}: 33.1/35$

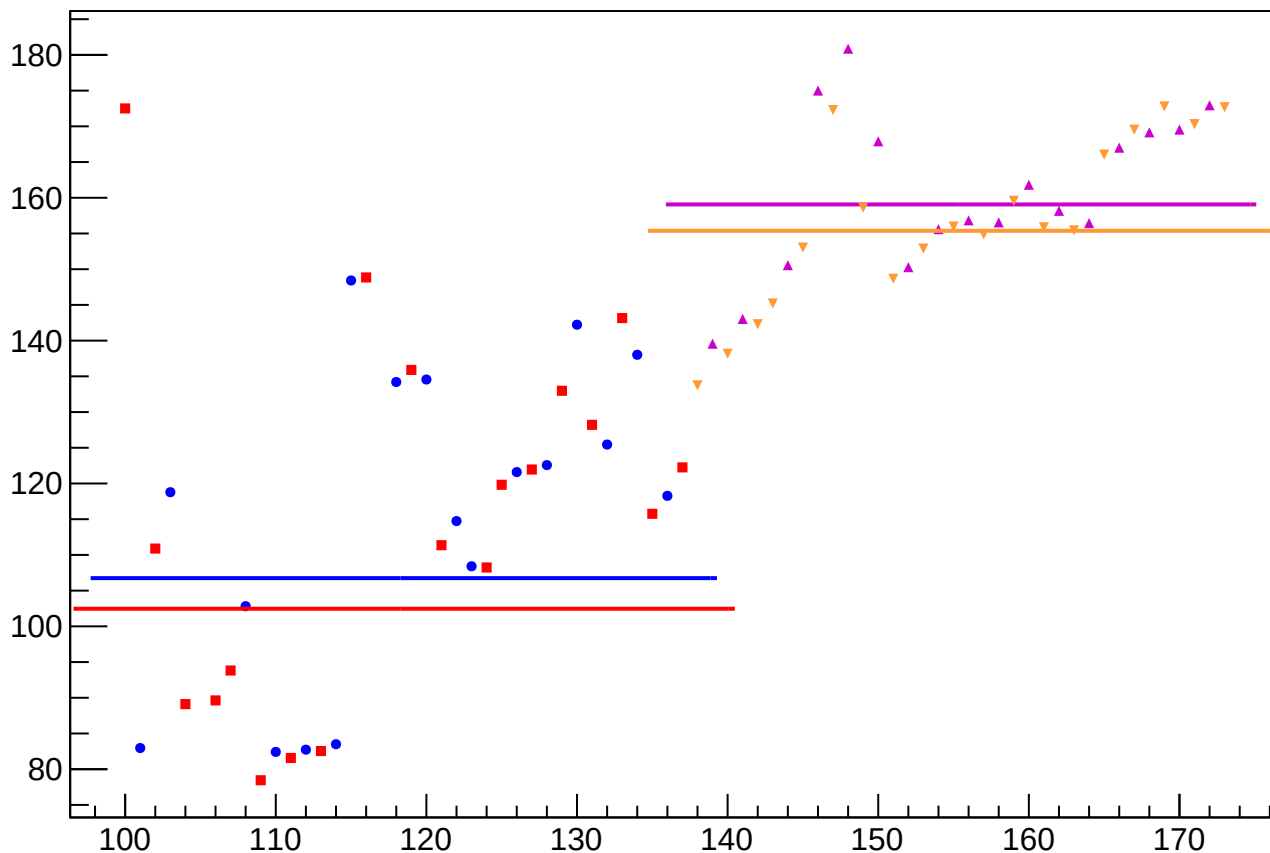
Right: -23.820 ± 28.846 $\chi^2/\text{NDF}: 53.0/35$

In: 138.421 ± 30.418 $\chi^2/\text{NDF}: 94.0/33$

Out: 153.414 ± 28.521 $\chi^2/\text{NDF}: 64.6/37$

All: 146.399 ± 20.806 $\chi^2/\text{NDF}: 158.7/71$

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749+/-0.030 χ^2/NDF : 501742.8/16

Left Out: 155.376+/-0.029 χ^2/NDF :156422.9/18

Right Out: 102.467+/-0.028 χ^2/NDF : 589344.0/18

Left In: 159.066+/-0.031 χ^2/NDF :128678.2/16

Left: 157.111+/-0.021 χ^2/NDF : 292619.7/35

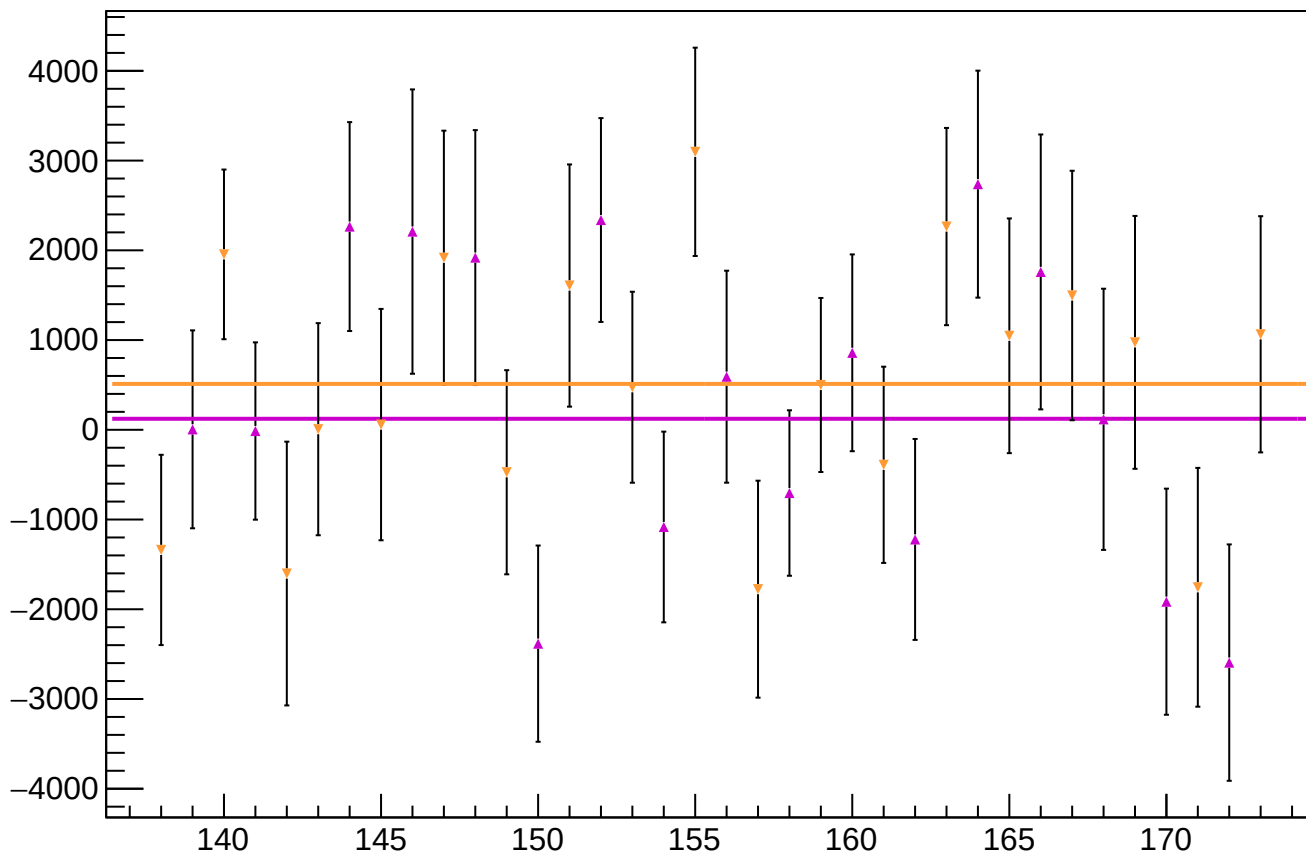
Right: 104.462+/-0.020 χ^2/NDF : 1102055.3/35

In: 131.968+/-0.022 χ^2/NDF :2107577.2/33

Out: 127.744+/-0.020 χ^2/NDF :2462996.1/37

All: 129.720+/-0.015 χ^2/NDF : 4591097.5/71

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 511.304+/-273.236 χ^2/NDF :25.8/18

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

Left In: 122.687+/-285.968 χ^2/NDF :32.2/16

Left: 325.839+/-197.555 χ^2/NDF : 59.0/35

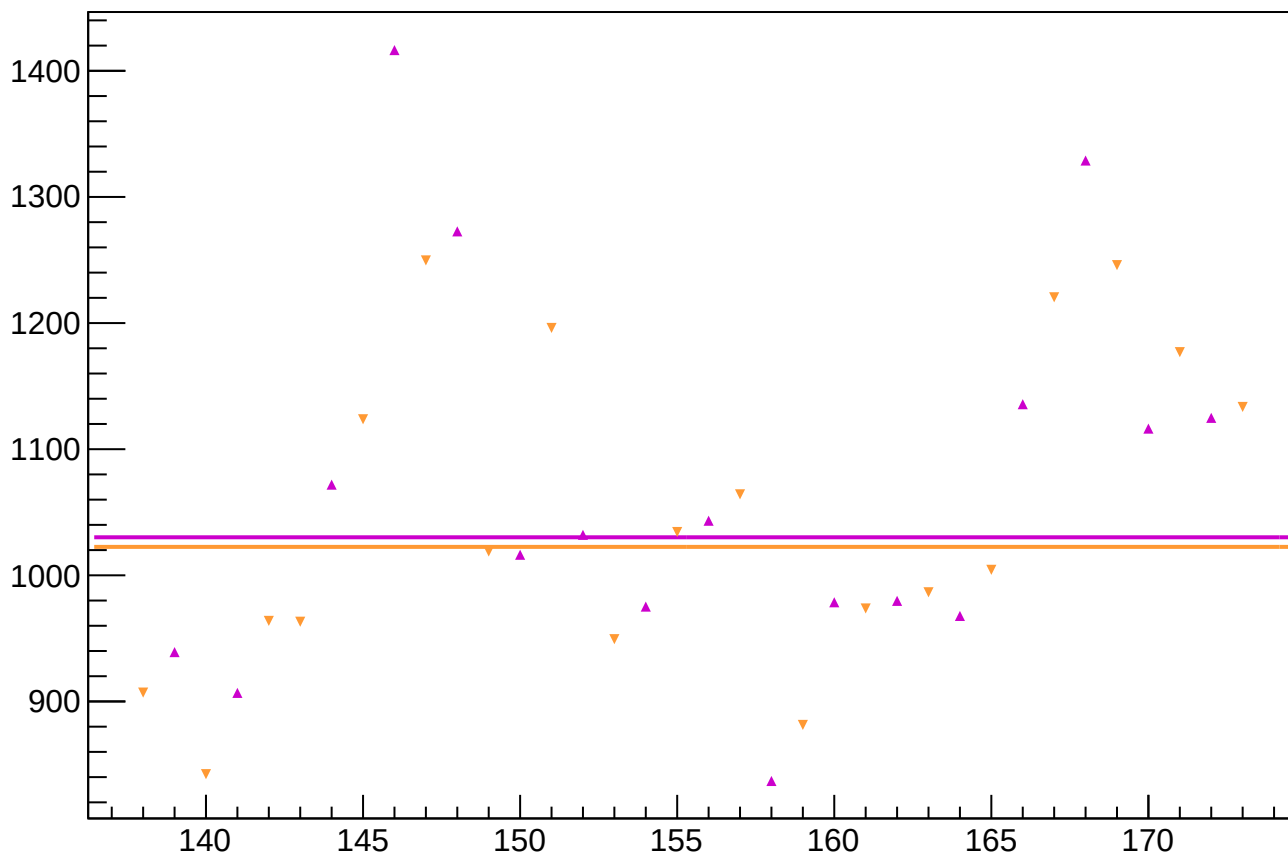
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 122.687+/-285.968 χ^2/NDF :32.2/16

Out: 511.304+/-273.236 χ^2/NDF :25.8/18

All: 325.839+/-197.555 χ^2/NDF : 59.0/35

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1022.548+/-0.193 χ^2/NDF :394392.2/18

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

Left In: 1030.154+/-0.202 χ^2/NDF :445116.6/16

Left: 1026.178+/-0.140 χ^2/NDF : 840248.5/35

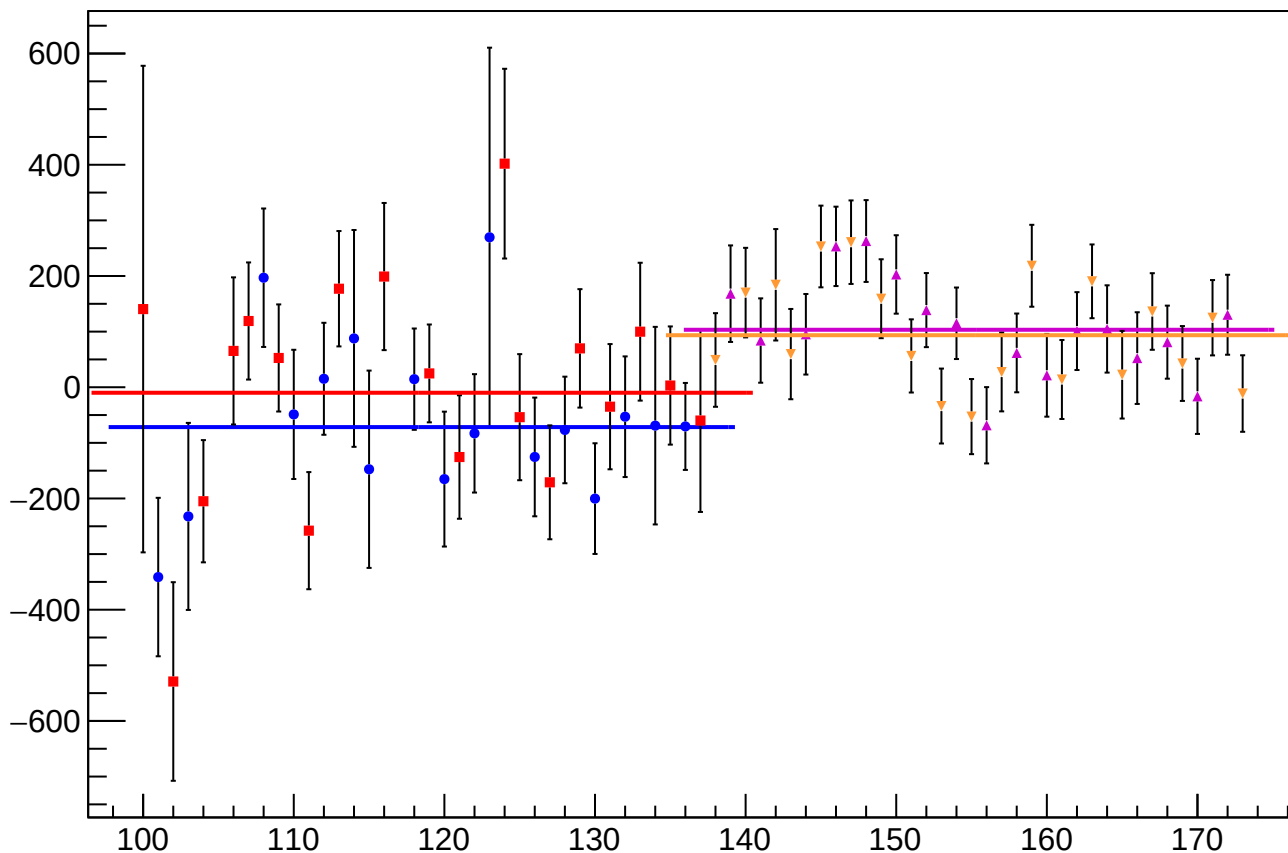
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1030.154+/-0.202 χ^2/NDF :445116.6/16

Out: 1022.548+/-0.193 χ^2/NDF :394392.2/18

All: 1026.178+/-0.140 χ^2/NDF : 840248.5/35

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 93.526 ± 16.640 $\chi^2/\text{NDF}: 32.8/18$

Right Out: -9.917 ± 26.816 $\chi^2/\text{NDF}: 36.5/18$

Left In: 103.320 ± 17.415 $\chi^2/\text{NDF}: 23.7/16$

Left: 98.200 ± 12.031 $\chi^2/\text{NDF}: 56.6/35$

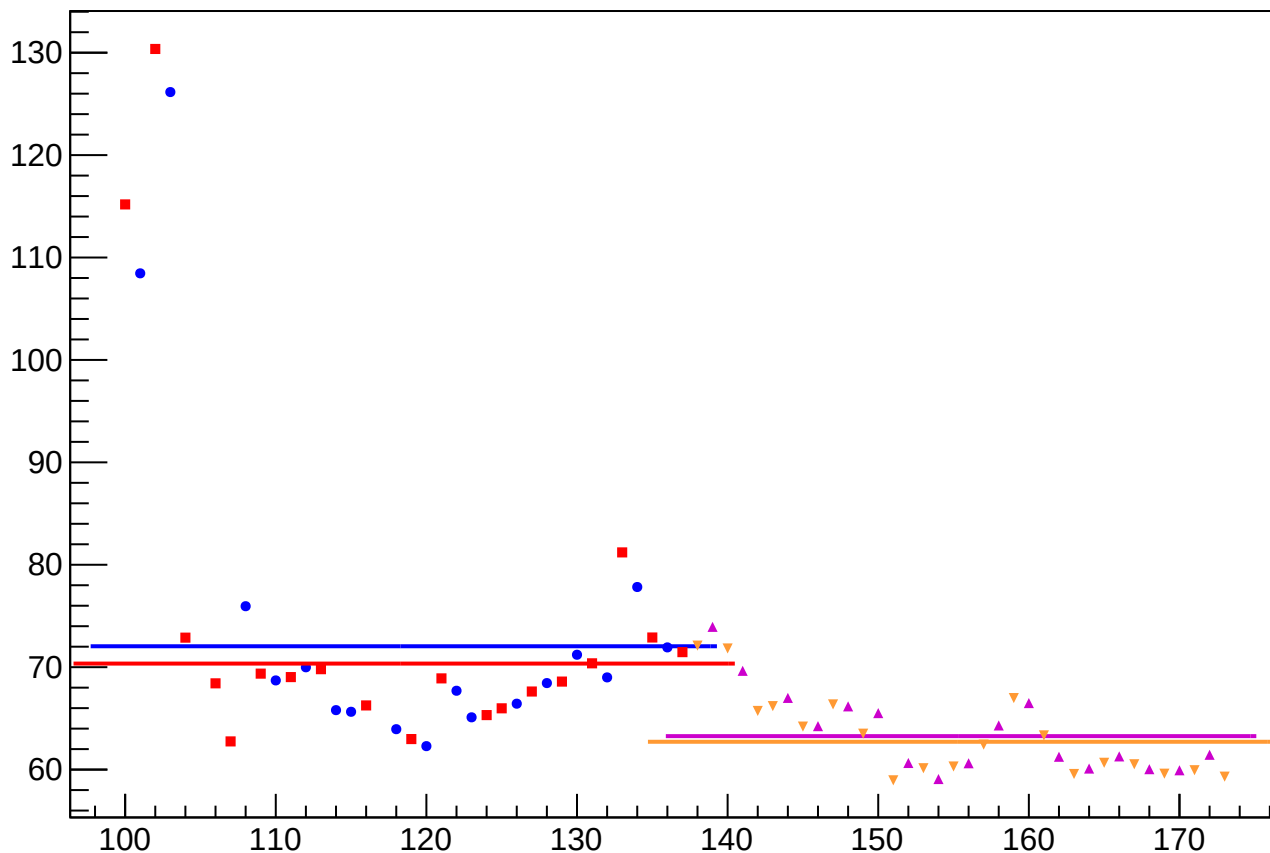
Right: -39.068 ± 19.484 $\chi^2/\text{NDF}: 54.2/35$

In: 55.399 ± 14.840 $\chi^2/\text{NDF}: 66.6/33$

Out: 64.769 ± 14.139 $\chi^2/\text{NDF}: 80.0/37$

All: 60.310 ± 10.237 $\chi^2/\text{NDF}: 146.7/71$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 62.717 $\pm$ 0.012 χ^2 /NDF: 101143.2/18

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

Left In: 63.266 $\pm$ 0.012 χ^2 /NDF: 91032.3/16

Left: 62.979 $\pm$ 0.009 χ^2 /NDF: 193217.2/35

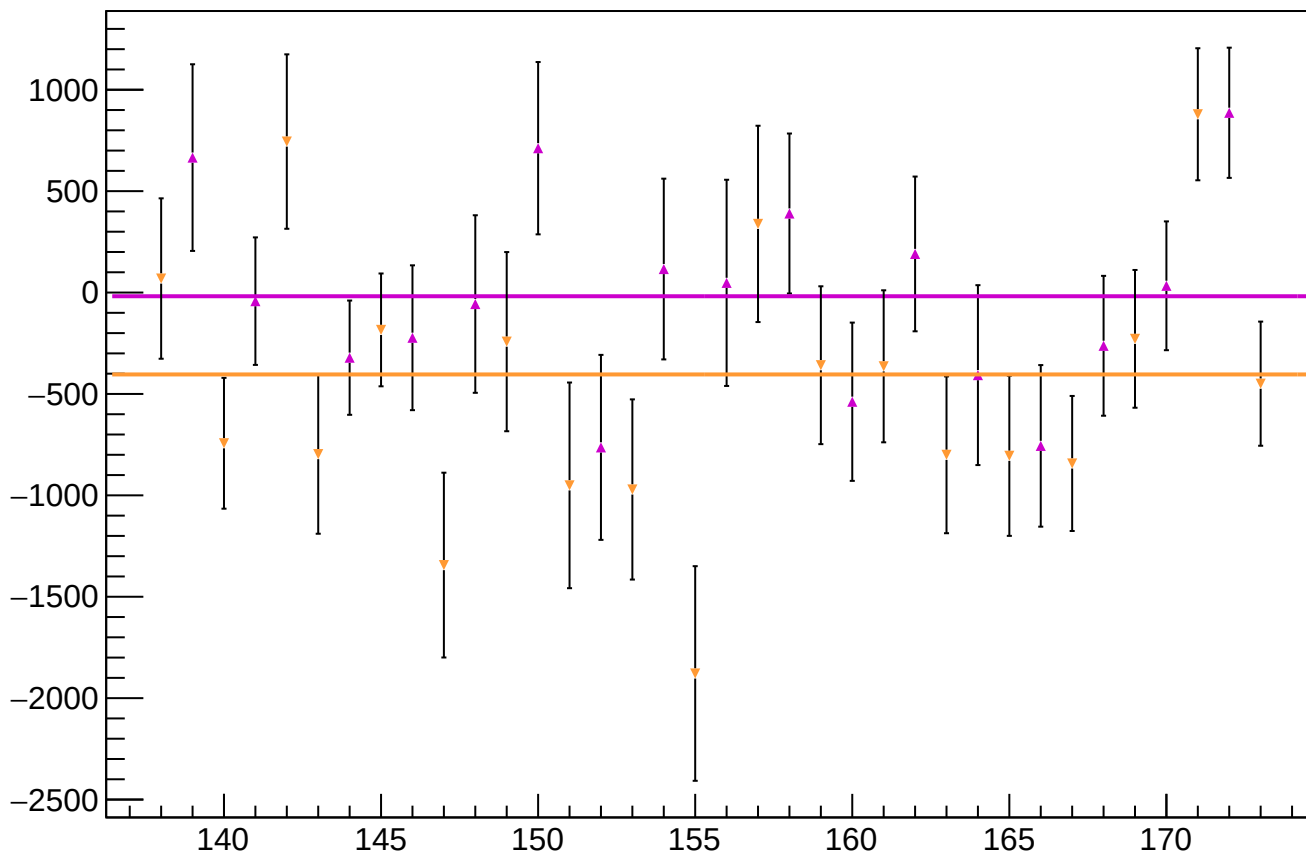
Right: 71.149 $\pm$ 0.014 χ^2 /NDF: 694733.5/35

In: 65.670 $\pm$ 0.010 χ^2 /NDF: 622089.7/33

Out: 64.839 $\pm$ 0.010 χ^2 /NDF: 517179.6/37

All: 65.234 $\pm$ 0.007 χ^2 /NDF: 1142554.1/71

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -403.813 ± 86.979 $\chi^2/\text{NDF}: 48.3/18$

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

Left In: -18.208 ± 91.656 $\chi^2/\text{NDF}: 25.3/16$

Left: -221.100 ± 63.092 $\chi^2/\text{NDF}: 82.8/35$

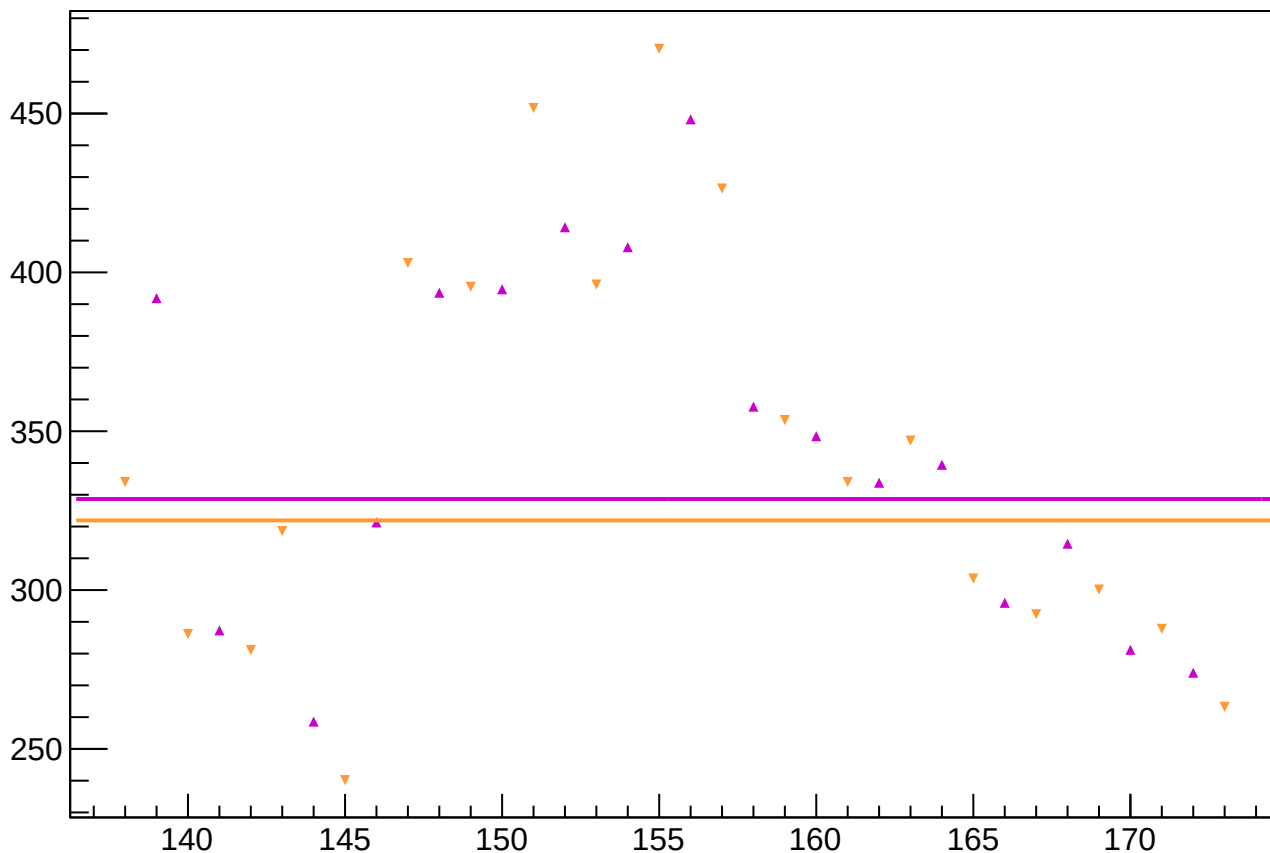
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -18.208 ± 91.656 $\chi^2/\text{NDF}: 25.3/16$

Out: -403.813 ± 86.979 $\chi^2/\text{NDF}: 48.3/18$

All: -221.100 ± 63.092 $\chi^2/\text{NDF}: 82.8/35$

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 321.930+/-0.062 χ^2/NDF : 921121.7/18

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

Left In: 328.657+/-0.065 χ^2/NDF : 670540.3/16

Left: 325.117+/-0.045 χ^2/NDF : 1597330.4/35

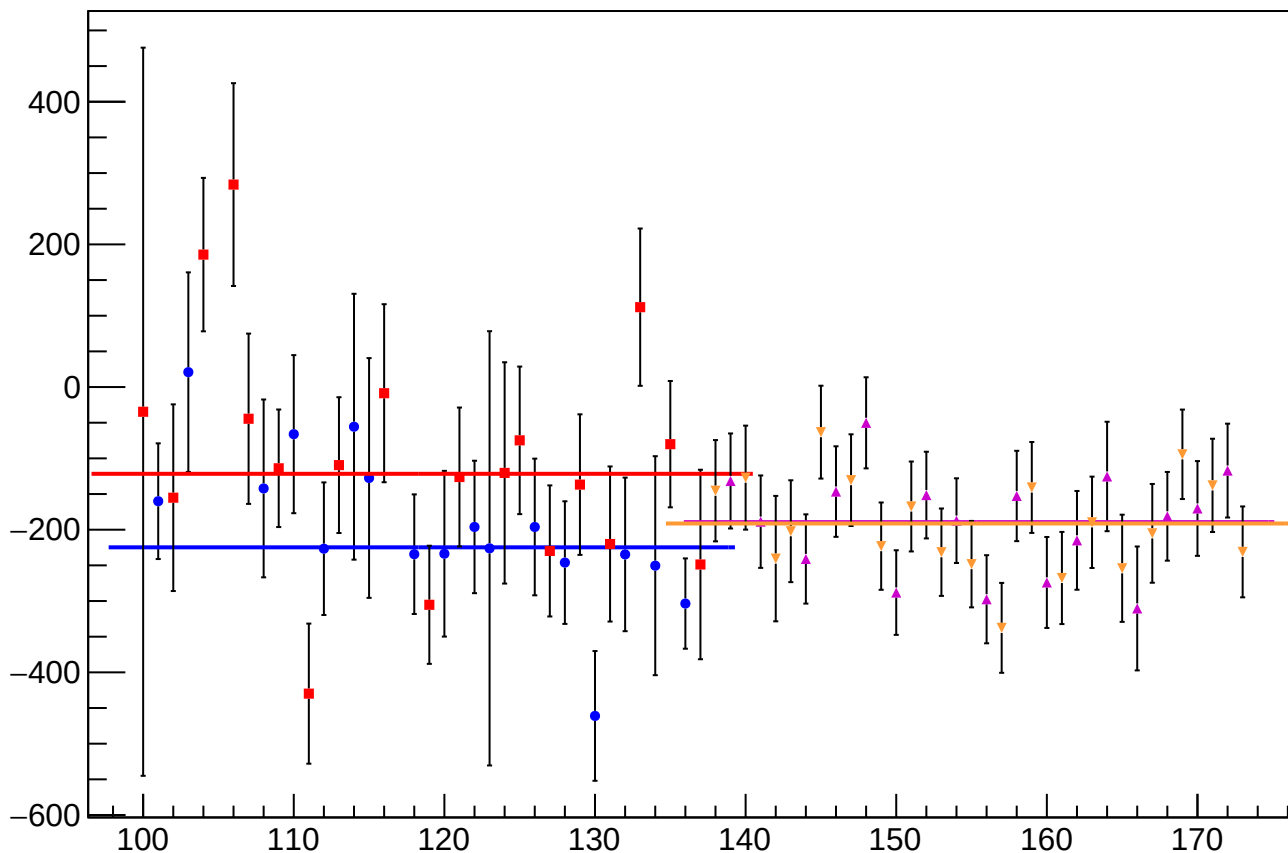
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 328.657+/-0.065 χ^2/NDF : 670540.3/16

Out: 321.930+/-0.062 χ^2/NDF : 921121.7/18

All: 325.117+/-0.045 χ^2/NDF : 1597330.4/35

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -191.305 ± 15.164 $\chi^2/\text{NDF}: 19.6/18$

Right Out: -121.633 ± 24.599 $\chi^2/\text{NDF}: 40.5/18$

Left In: -189.345 ± 15.741 $\chi^2/\text{NDF}: 19.0/16$

Left: -190.361 ± 10.921 $\chi^2/\text{NDF}: 38.7/35$

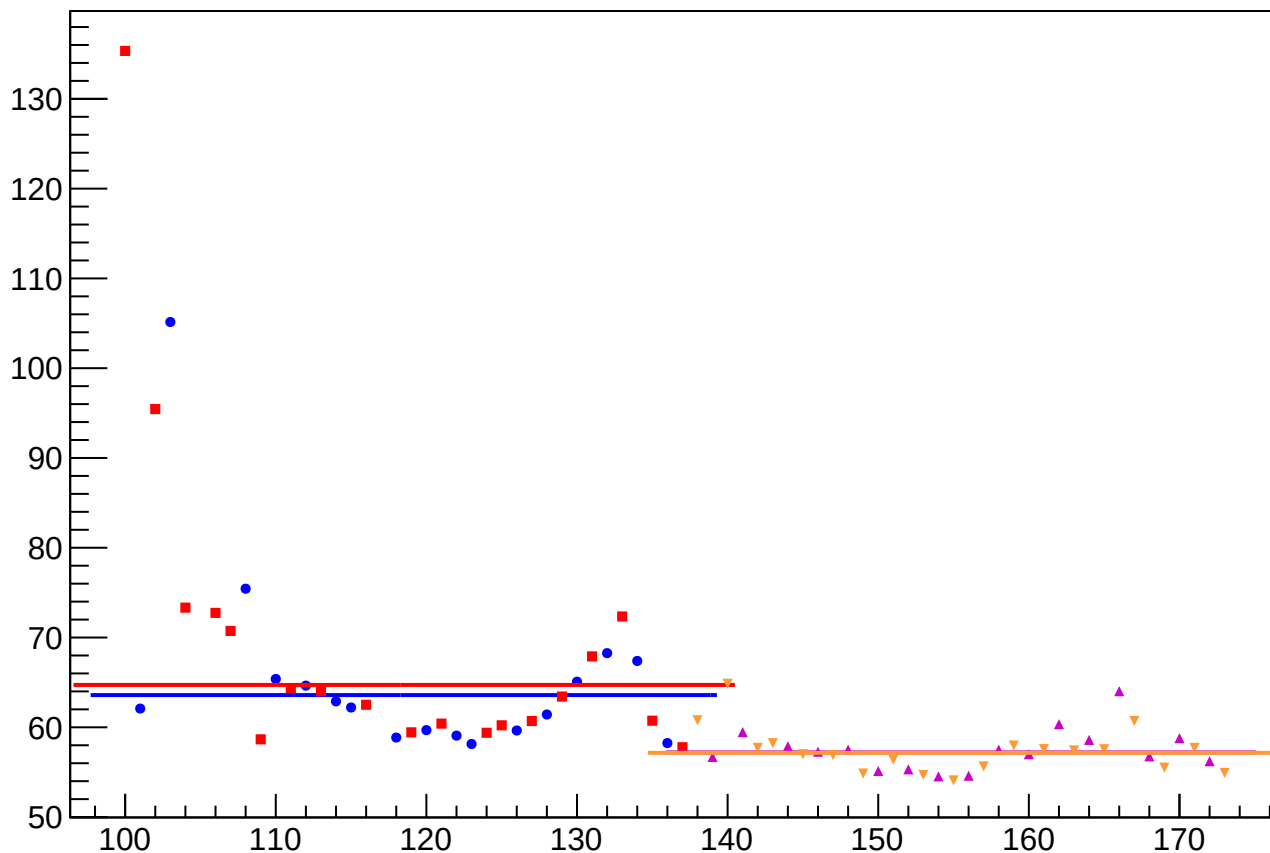
Right: -172.594 ± 17.493 $\chi^2/\text{NDF}: 65.1/35$

In: -199.459 ± 13.302 $\chi^2/\text{NDF}: 36.5/33$

Out: -172.121 ± 12.908 $\chi^2/\text{NDF}: 65.9/37$

All: -185.379 ± 9.264 $\chi^2/\text{NDF}: 104.6/71$

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589+/-0.018 χ^2/NDF : 234601.0/16

Left Out: 57.158+/-0.011 χ^2/NDF : 50477.8/18

Right Out: 64.720+/-0.017 χ^2/NDF : 227506.4/18

Left In: 57.206+/-0.011 χ^2/NDF : 33663.2/16

Left: 57.181+/-0.008 χ^2/NDF : 84150.7/35

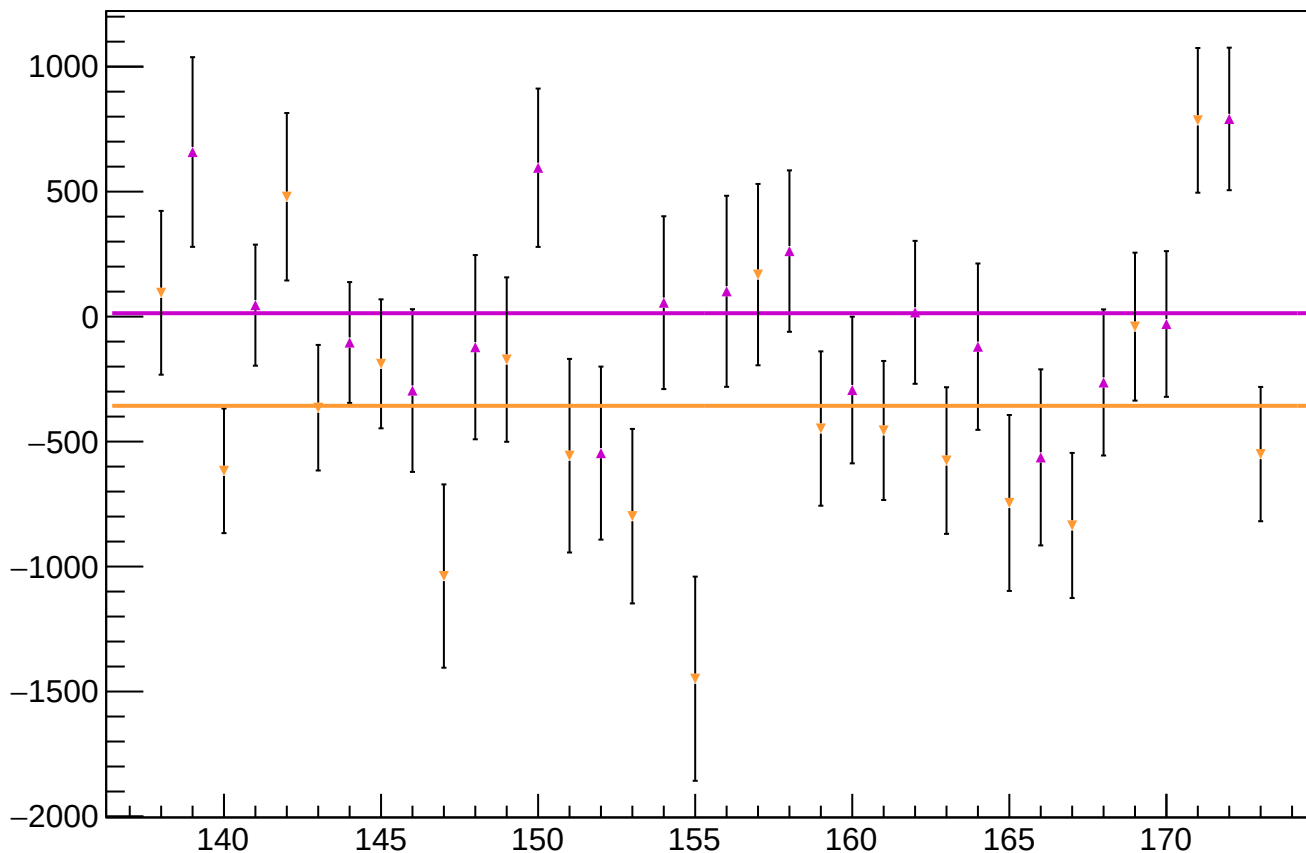
Right: 64.161+/-0.012 χ^2/NDF : 464197.3/35

In: 59.031+/-0.009 χ^2/NDF : 362259.4/33

Out: 59.240+/-0.009 χ^2/NDF : 414935.3/37

All: 59.139+/-0.007 χ^2/NDF : 777450.2/71

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -356.922 $\pm$ 70.272 χ^2 /NDF:46.5/18

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

Left In: 13.561 $\pm$ 75.007 χ^2 /NDF:23.1/16

Left: -183.743 $\pm$ 51.282 χ^2 /NDF: 82.6/35

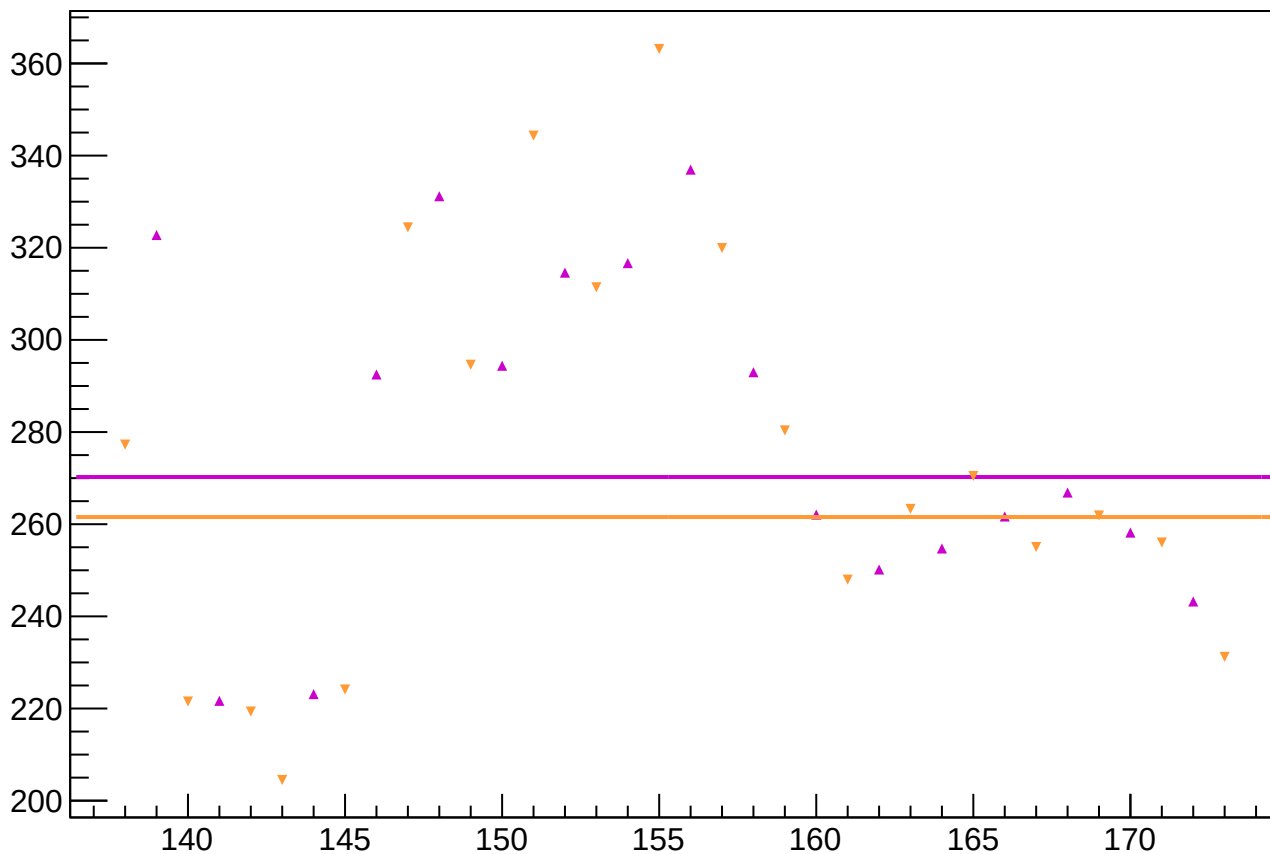
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 13.561 $\pm$ 75.007 χ^2 /NDF:23.1/16

Out: -356.922 $\pm$ 70.272 χ^2 /NDF:46.5/18

All: -183.743 $\pm$ 51.282 χ^2 /NDF: 82.6/35

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 261.558+/-0.050 χ^2/NDF :660703.8/18

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

Left In: 270.243+/-0.053 χ^2/NDF :448755.6/16

Left: 265.618+/-0.036 χ^2/NDF : 1123739.3/35

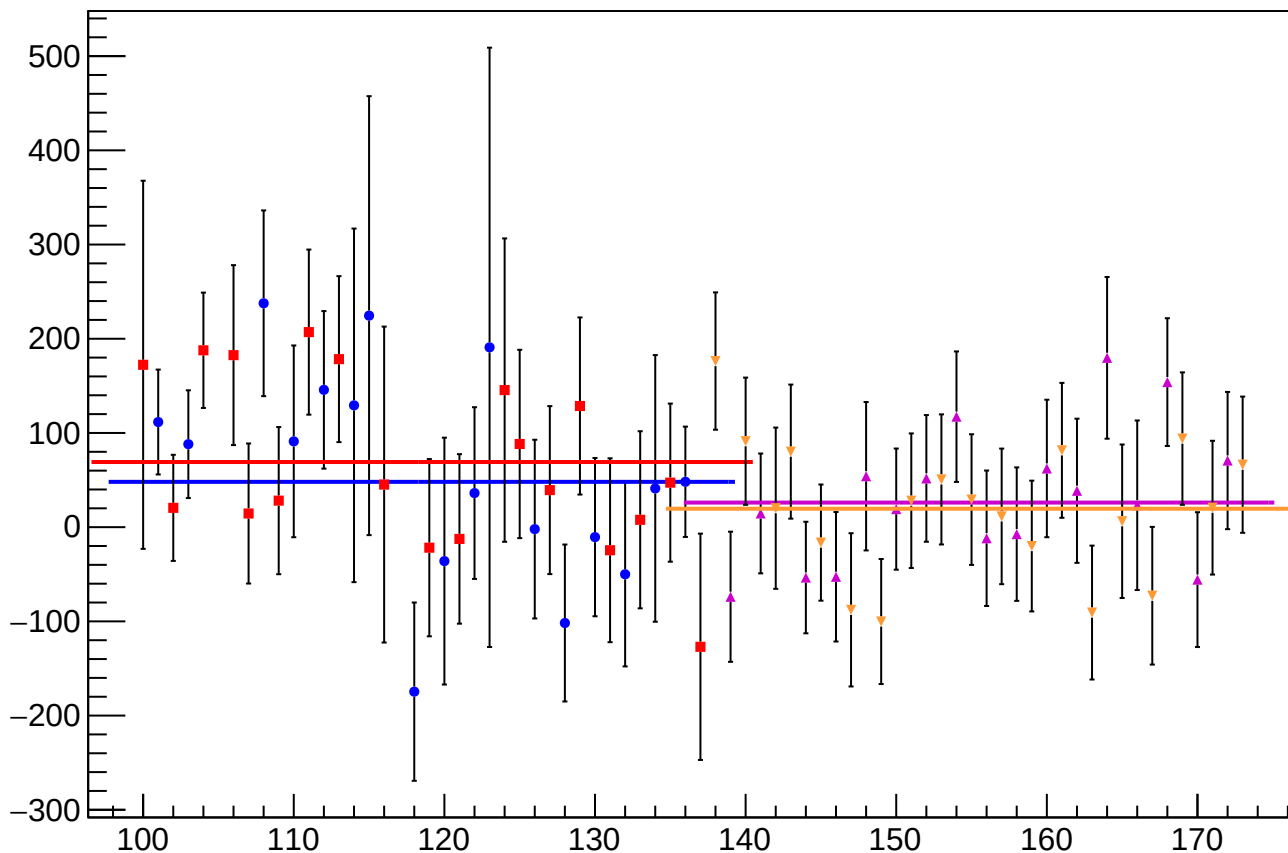
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 270.243+/-0.053 χ^2/NDF :448755.6/16

Out: 261.558+/-0.050 χ^2/NDF :660703.8/18

All: 265.618+/-0.036 χ^2/NDF : 1123739.3/35

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109 $\pm$ 21.510 χ^2 /NDF: 19.0/16

Left Out: 19.575 $\pm$ 16.395 χ^2 /NDF:18.7/18

Right Out: 69.156 $\pm$ 20.407 χ^2 /NDF: 17.7/18

Left In: 26.094 $\pm$ 17.154 χ^2 /NDF:16.5/16

Left: 22.687 $\pm$ 11.852 χ^2 /NDF: 35.3/35

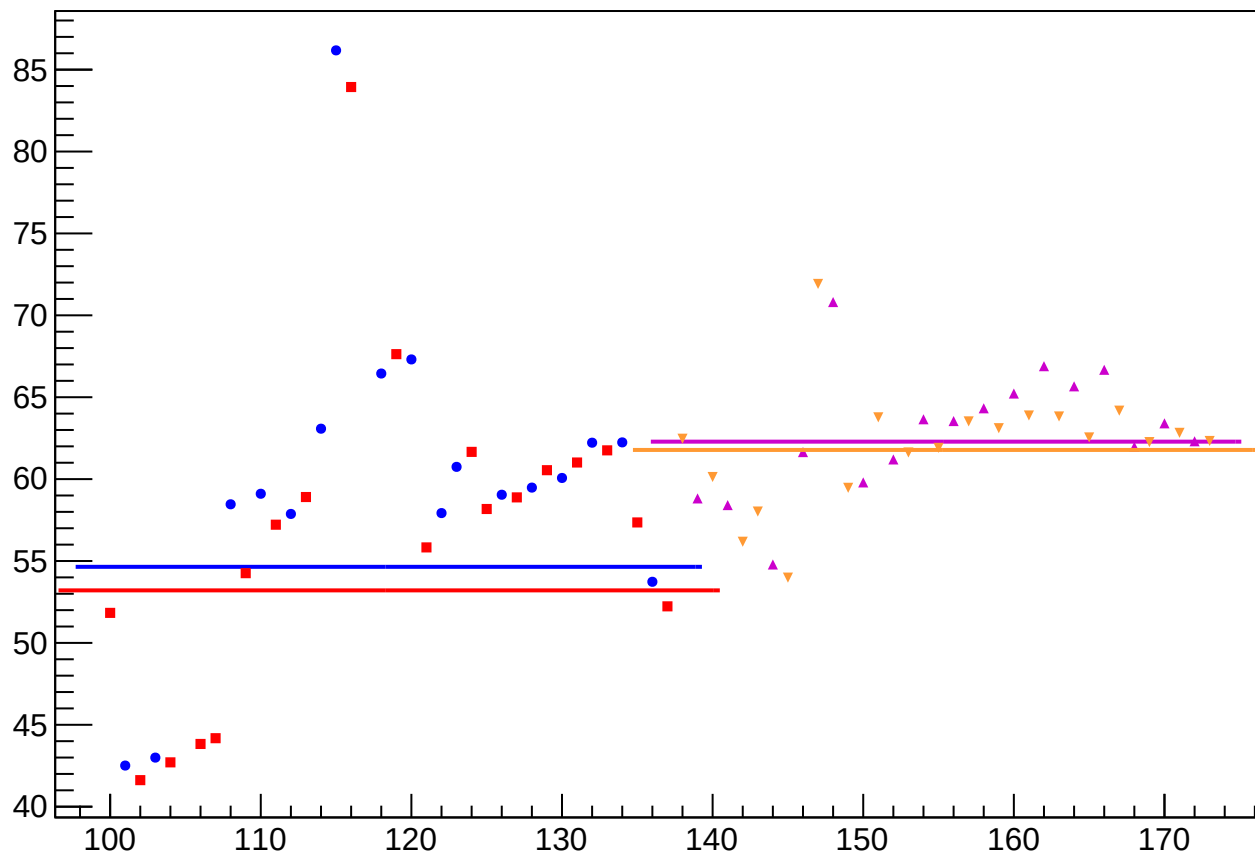
Right: 59.186 $\pm$ 14.805 χ^2 /NDF: 37.1/35

In: 34.652 $\pm$ 13.412 χ^2 /NDF:36.1/33

Out: 39.024 $\pm$ 12.781 χ^2 /NDF:39.9/37

All: 36.943 $\pm$ 9.252 χ^2 /NDF: 76.1/71

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 61.781 $\pm$ 0.012 χ^2 /NDF: 90836.7/18

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

Left In: 62.288 $\pm$ 0.012 χ^2 /NDF: 93578.9/16

Left: 62.023 $\pm$ 0.008 χ^2 /NDF: 185326.9/35

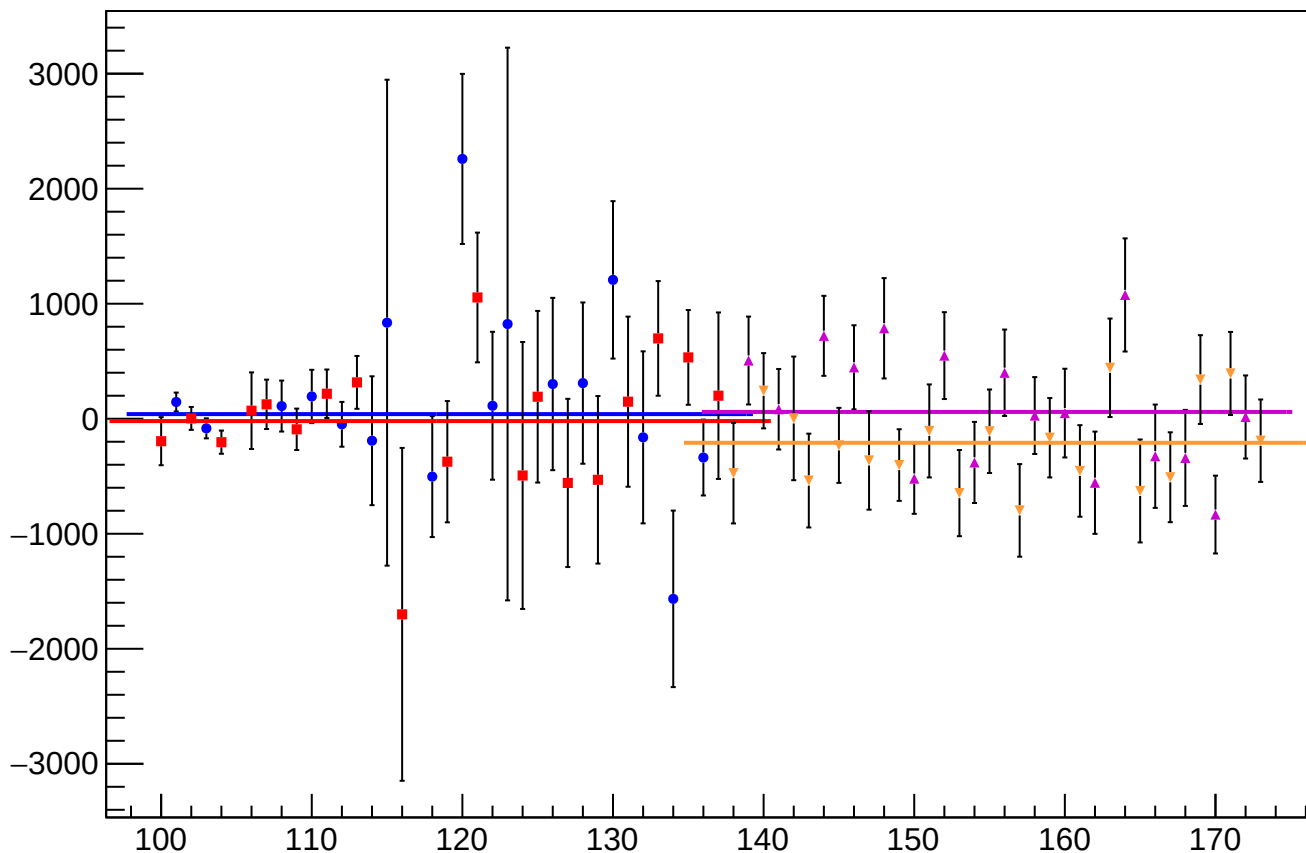
Right: 53.888 $\pm$ 0.010 χ^2 /NDF: 710299.5/35

In: 59.316 $\pm$ 0.009 χ^2 /NDF: 567213.7/33

Out: 58.418 $\pm$ 0.009 χ^2 /NDF: 691707.6/37

All: 58.845 $\pm$ 0.007 χ^2 /NDF: 1263627.7/71

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: -209.132 $\pm$ 87.668 χ^2 /NDF:16.2/18

Right Out: -20.232 $\pm$ 53.274 χ^2 /NDF: 18.9/18

Left In: 59.101 $\pm$ 90.982 χ^2 /NDF:31.4/16

Left: -79.989 $\pm$ 63.130 χ^2 /NDF: 52.1/35

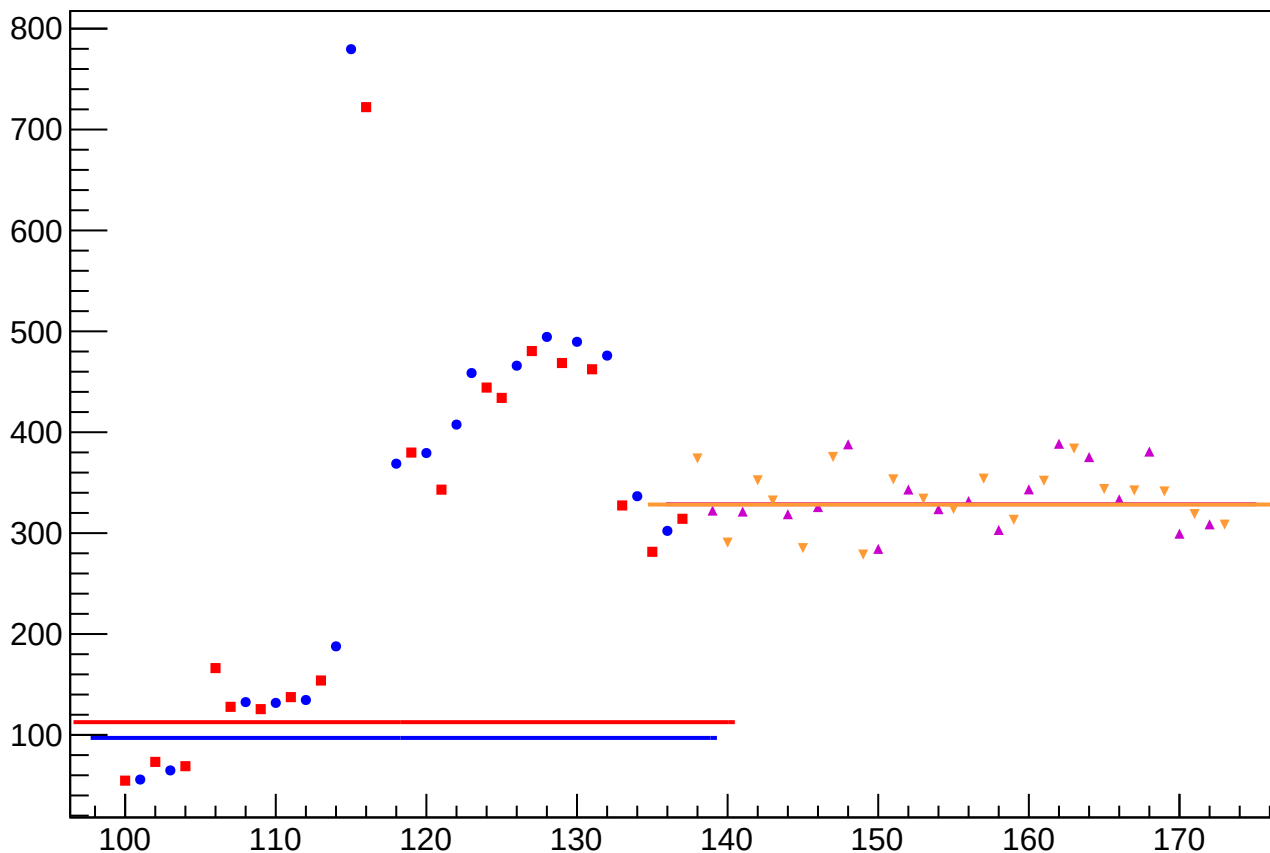
Right: 10.986 $\pm$ 37.043 χ^2 /NDF: 43.4/35

In: 44.798 $\pm$ 44.846 χ^2 /NDF:55.3/33

Out: -71.175 $\pm$ 45.527 χ^2 /NDF:38.5/37

All: -12.315 $\pm$ 31.949 χ^2 /NDF: 97.1/71

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 328.353+/-0.062 χ^2/NDF : 238474.9/18

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

Left In: 328.693+/-0.064 χ^2/NDF : 206921.9/16

Left: 328.517+/-0.045 χ^2/NDF : 445411.2/35

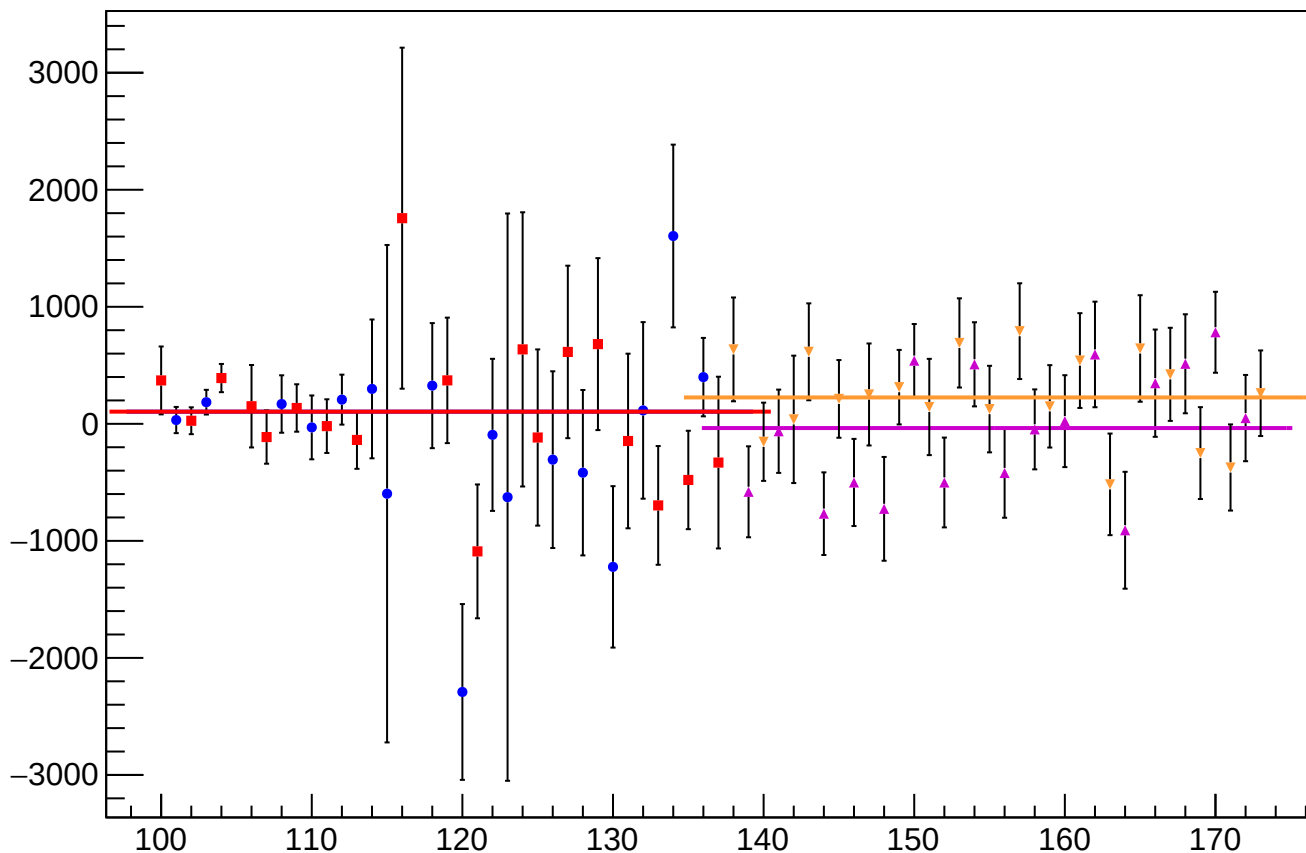
Right: 104.588+/-0.026 χ^2/NDF : 10944761.2/35

In: 153.322+/-0.032 χ^2/NDF : 15842262.2/33

Out: 170.824+/-0.032 χ^2/NDF : 14116847.6/37

All: 161.941+/-0.023 χ^2/NDF : 30109136.7/73

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 225.545 $\pm$ 89.257 χ^2 /NDF:15.5/18

Right Out: 104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

Left In: -36.128 $\pm$ 92.659 χ^2 /NDF:31.5/16

Left: 99.600 $\pm$ 64.283 χ^2 /NDF: 51.1/35

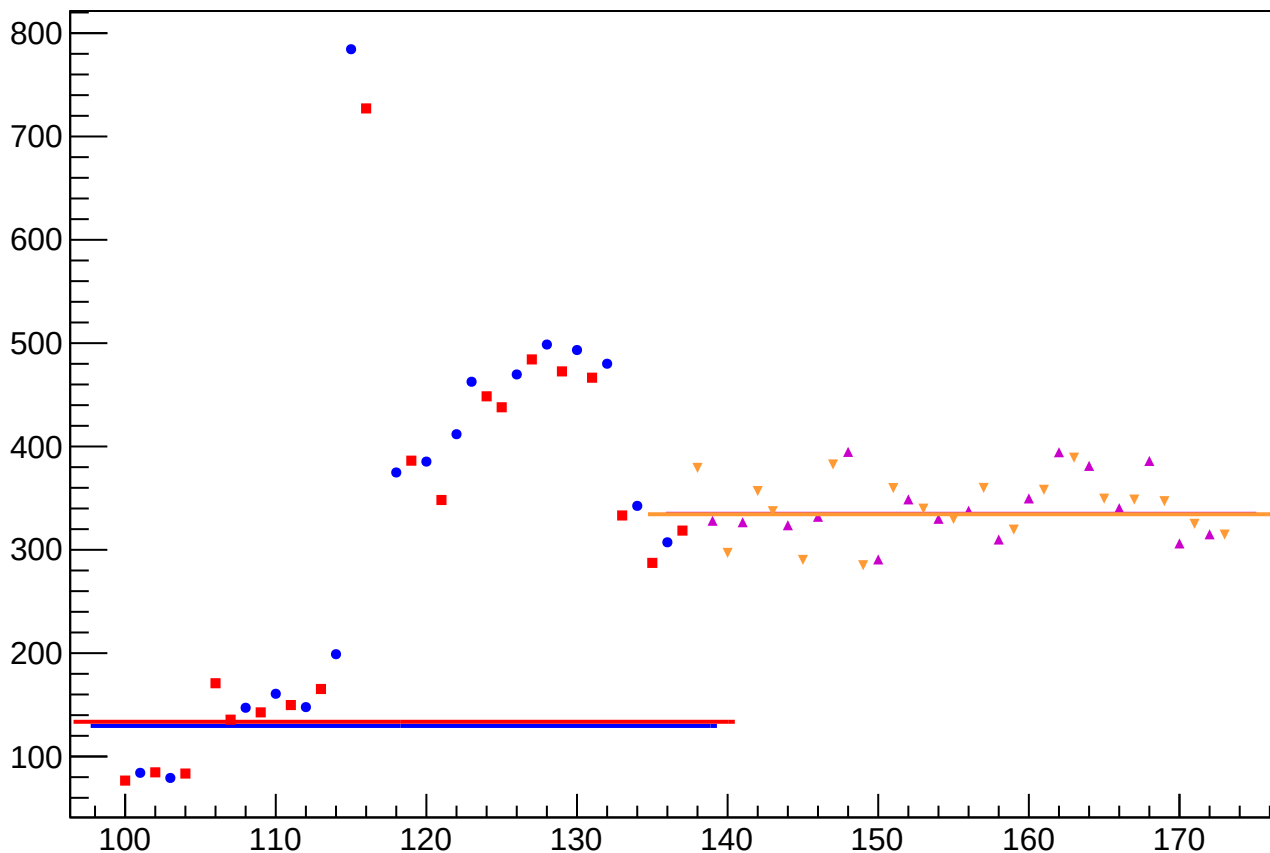
Right: 104.073 $\pm$ 43.823 χ^2 /NDF: 42.6/35

In: 59.551 $\pm$ 52.187 χ^2 /NDF:54.3/33

Out: 142.667 $\pm$ 50.282 χ^2 /NDF:38.1/37

All: 102.654 $\pm$ 36.209 χ^2 /NDF: 93.8/71

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 $\pm$ 0.045 χ^2/NDF : 4772450.4/16

Left Out: 334.437 $\pm$ 0.063 χ^2/NDF :229093.7/18

Right Out: 133.593 $\pm$ 0.043 χ^2/NDF : 4366252.1/18

Left In: 334.875 $\pm$ 0.066 χ^2/NDF :197849.6/16

Left: 334.648 $\pm$ 0.045 χ^2/NDF : 426966.5/35

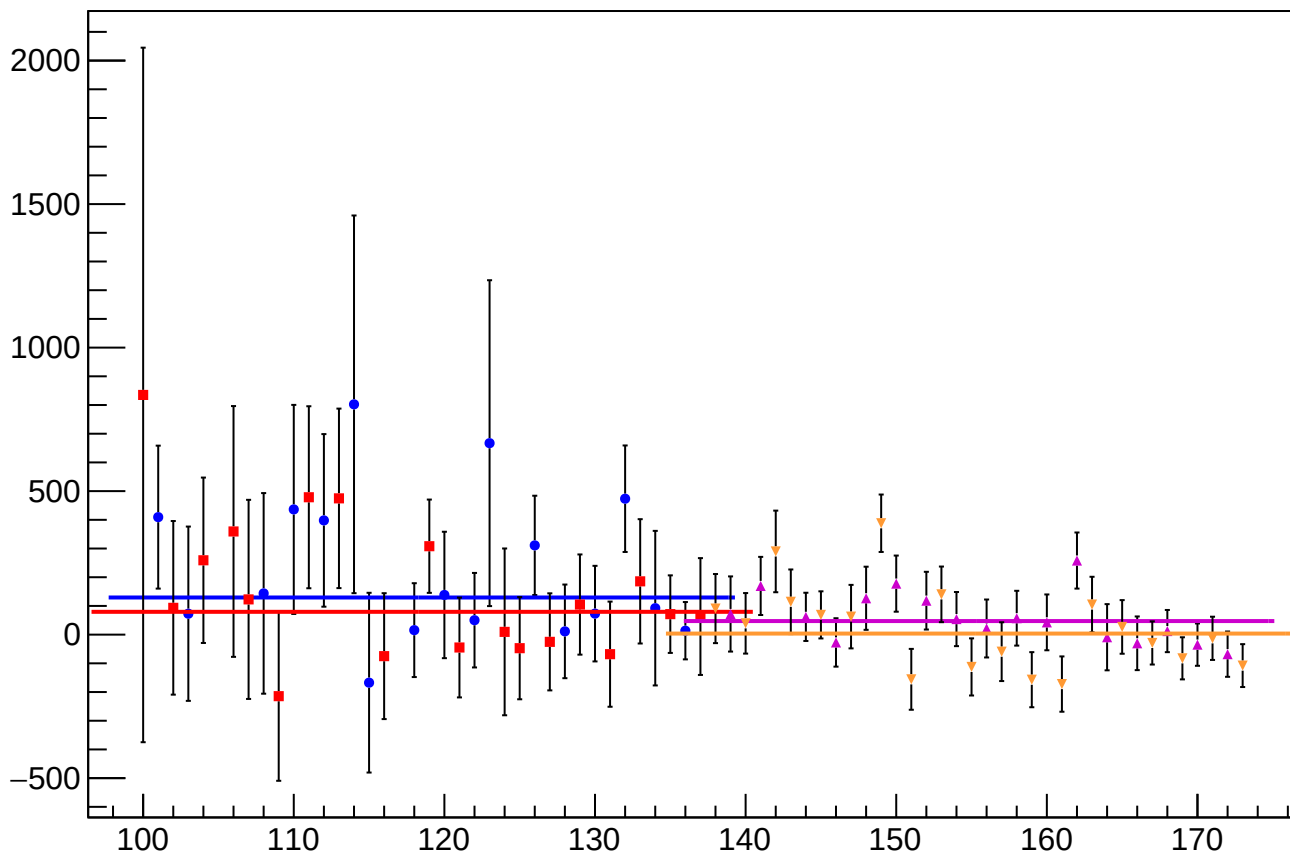
Right: 131.647 $\pm$ 0.031 χ^2/NDF : 9142947.8/35

In: 194.682 $\pm$ 0.037 χ^2/NDF :11675609.3/33

Out: 197.330 $\pm$ 0.036 χ^2/NDF :11508279.4/37

All: 196.055 $\pm$ 0.026 χ^2/NDF : 23186558.4/73

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 129.398 $\pm$ 49.122 χ^2 /NDF: 12.9/16

Left Out: 3.690 $\pm$ 21.492 χ^2 /NDF:38.5/18

Right Out: 79.483 $\pm$ 49.886 χ^2 /NDF: 10.2/18

Left In: 47.278 $\pm$ 22.508 χ^2 /NDF:14.4/16

Left: 24.477 $\pm$ 15.544 χ^2 /NDF: 54.8/35

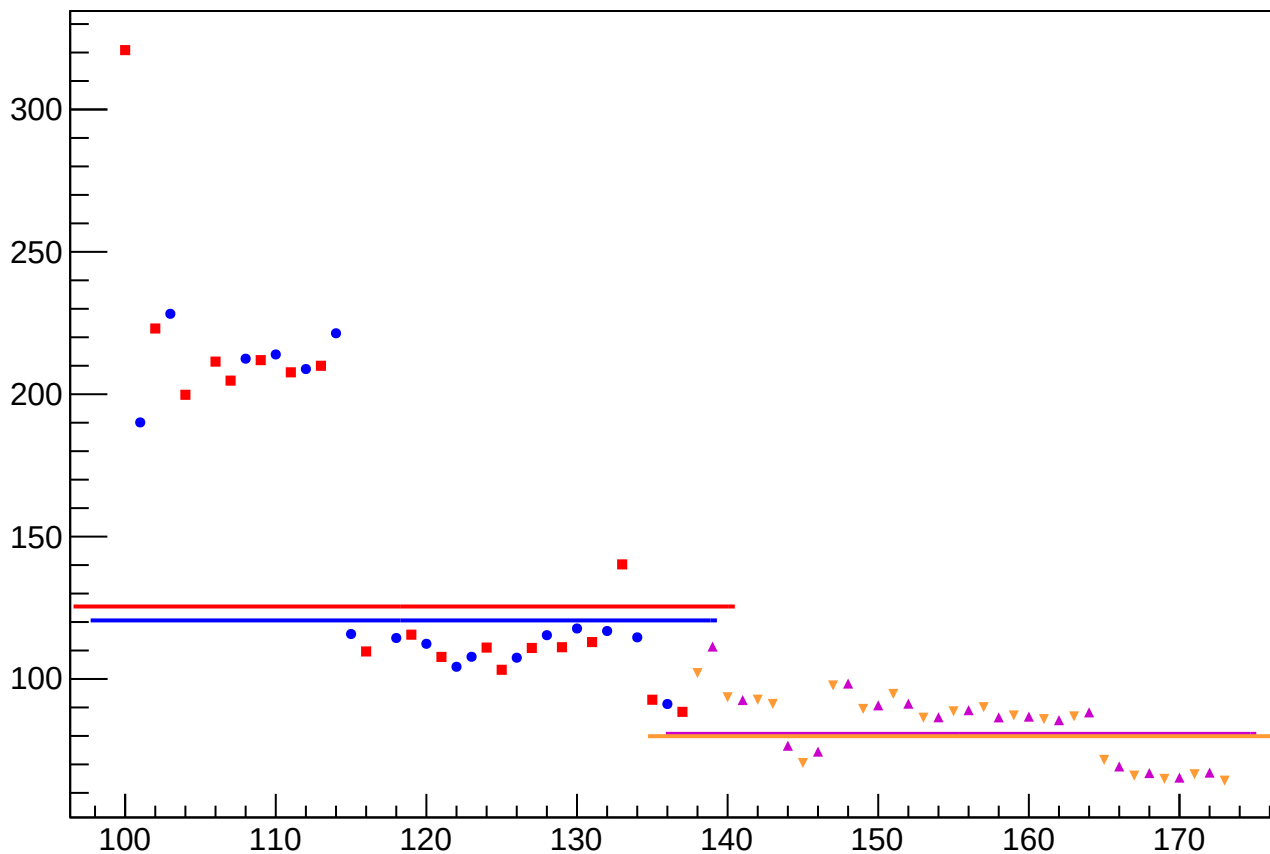
Right: 104.826 $\pm$ 35.001 χ^2 /NDF: 23.7/35

In: 61.528 $\pm$ 20.463 χ^2 /NDF:29.6/33

Out: 15.555 $\pm$ 19.738 χ^2 /NDF:50.7/37

All: 37.713 $\pm$ 14.206 χ^2 /NDF: 82.8/71

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.565 $\pm$ 0.035 χ^2 /NDF: 1112076.4/16

Left Out: 79.907 $\pm$ 0.015 χ^2 /NDF: 664932.0/18

Right Out: 125.458 $\pm$ 0.035 χ^2 /NDF: 1333754.6/18

Left In: 80.725 $\pm$ 0.016 χ^2 /NDF: 543784.0/16

Left: 80.297 $\pm$ 0.011 χ^2 /NDF: 1210099.6/35

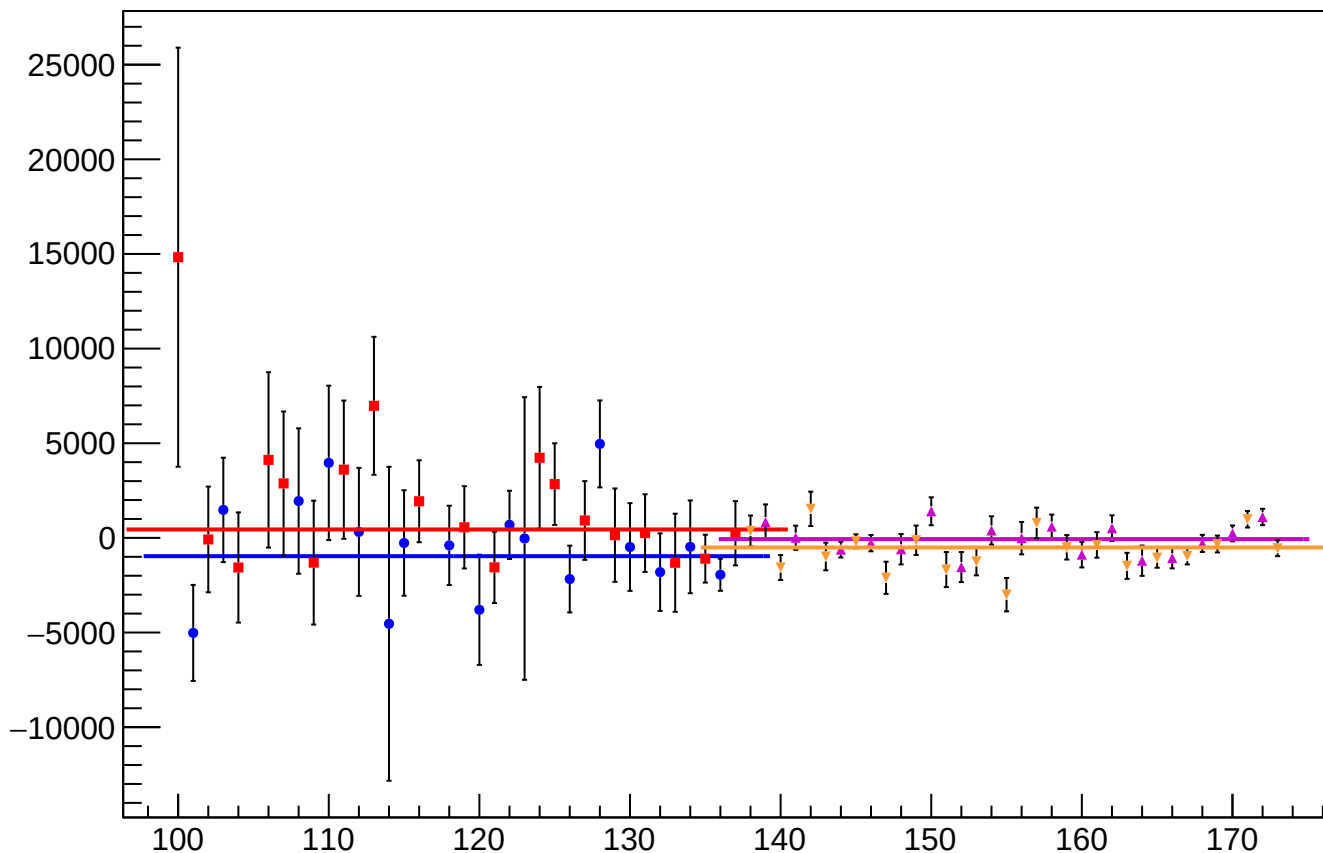
Right: 122.974 $\pm$ 0.025 χ^2 /NDF: 2455600.4/35

In: 87.639 $\pm$ 0.014 χ^2 /NDF: 2743154.5/33

Out: 87.038 $\pm$ 0.014 χ^2 /NDF: 3405206.8/37

All: 87.327 $\pm$ 0.010 χ^2 /NDF: 6149254.8/71

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -507.149+/-135.513 χ^2/NDF : 43.0/18

Right Out: 444.406+/-545.370 χ^2/NDF : 13.4/18

Left In: -63.697+/-140.398 χ^2/NDF : 28.1/16

Left: -293.271+/-97.504 χ^2/NDF : 76.3/35

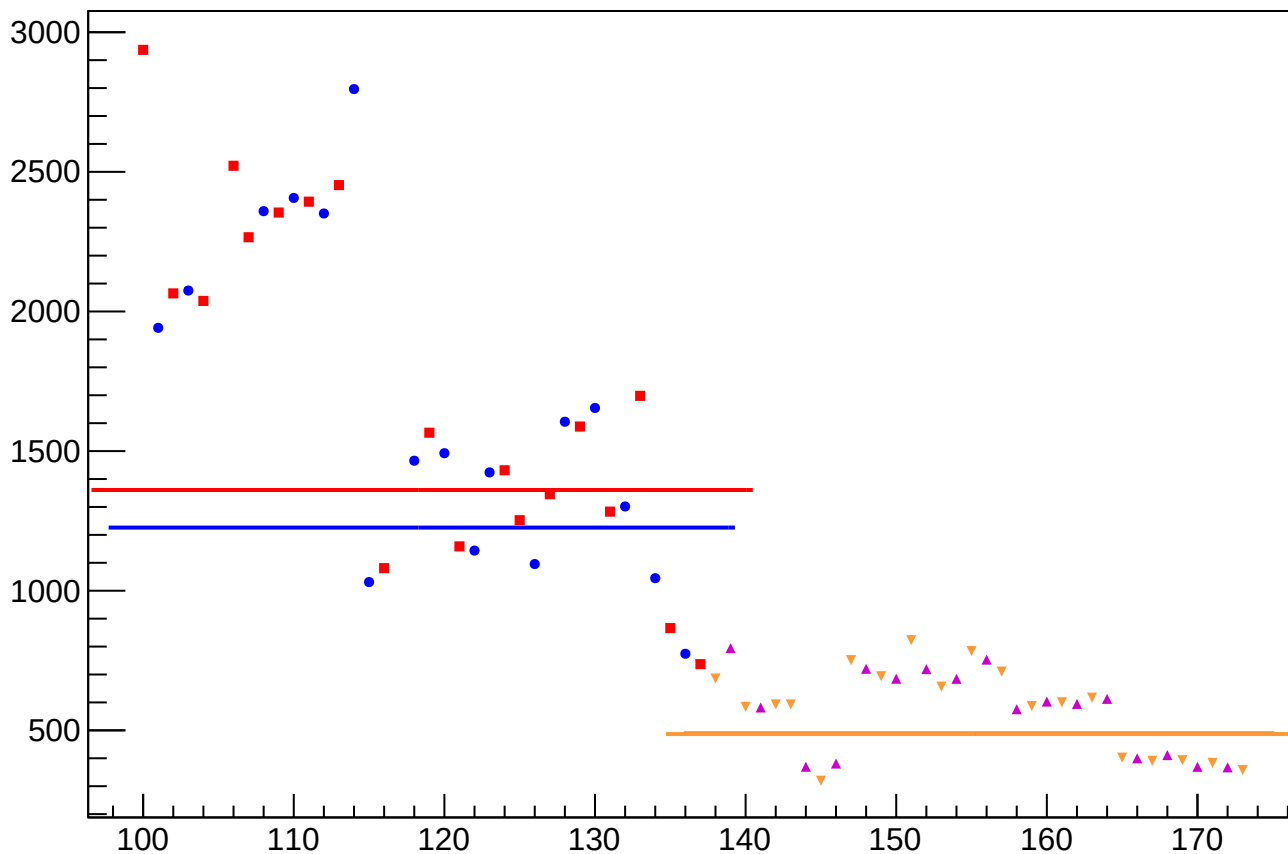
Right: -305.110+/-373.410 χ^2/NDF : 33.3/35

In: -126.762+/-135.406 χ^2/NDF : 47.4/33

Out: -451.814+/-131.514 χ^2/NDF : 59.2/37

All: -294.027+/-94.340 χ^2/NDF : 109.6/71

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135 $\pm$ 0.362 χ^2/NDF : 1756323.1/16

Left Out: 486.747 $\pm$ 0.096 χ^2/NDF : 2439321.9/18

Right Out: 1360.770 $\pm$ 0.386 χ^2/NDF : 1749074.9/18

Left In: 488.434 $\pm$ 0.099 χ^2/NDF : 1976303.5/16

Left: 487.560 $\pm$ 0.069 χ^2/NDF : 4415774.9/35

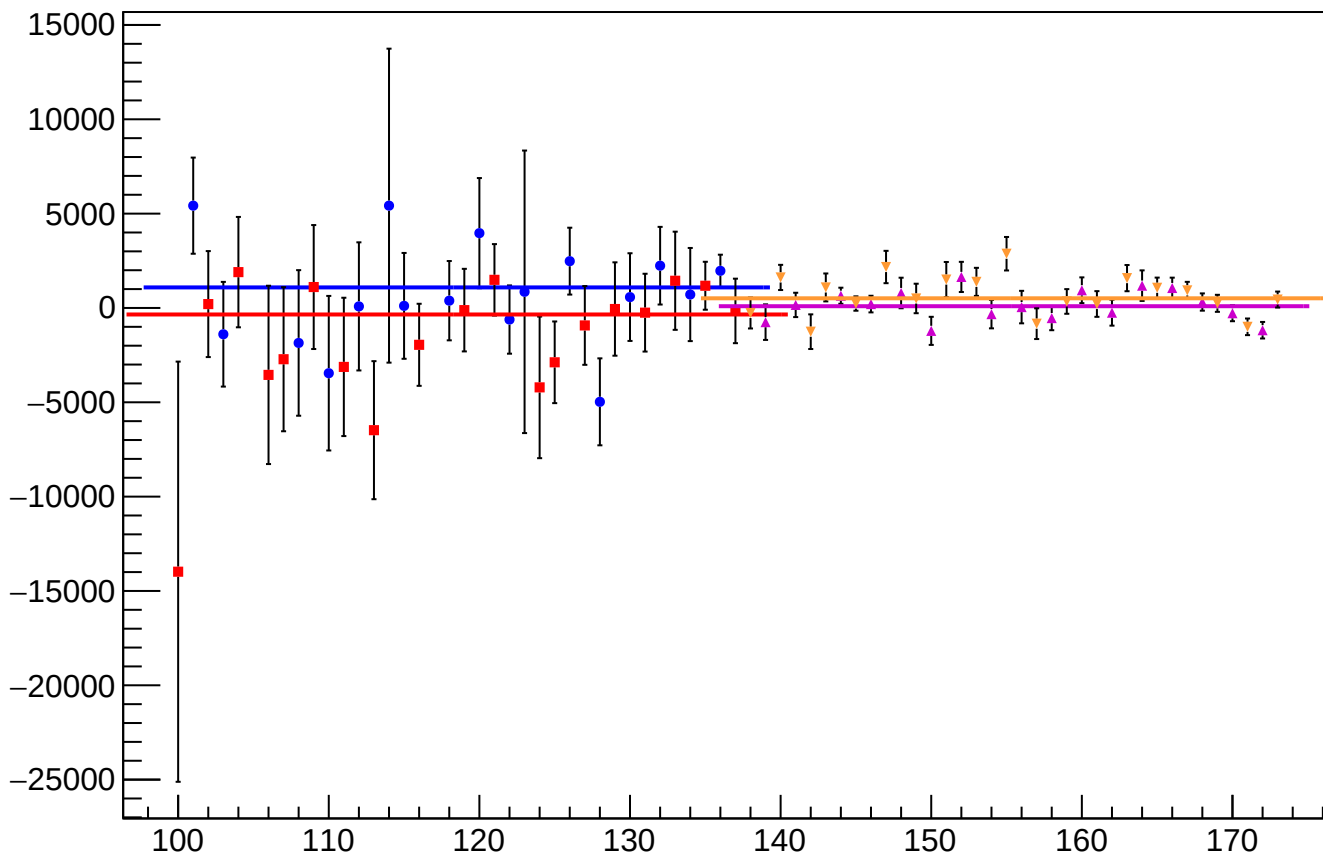
Right: 1289.252 $\pm$ 0.264 χ^2/NDF : 3570145.2/35

In: 539.961 $\pm$ 0.096 χ^2/NDF : 7589433.6/33

Out: 537.572 $\pm$ 0.093 χ^2/NDF : 9026489.0/37

All: 538.732 $\pm$ 0.067 χ^2/NDF : 16616242.9/73

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 $\pm$ 515.272 χ^2/NDF : 16.9/16

Left Out: 512.048 $\pm$ 137.462 χ^2/NDF : 41.3/18

Right Out: -345.640 $\pm$ 548.191 χ^2/NDF : 12.5/18

Left In: 92.769 $\pm$ 142.478 χ^2/NDF : 27.6/16

Left: 309.918 $\pm$ 98.926 χ^2/NDF : 73.3/35

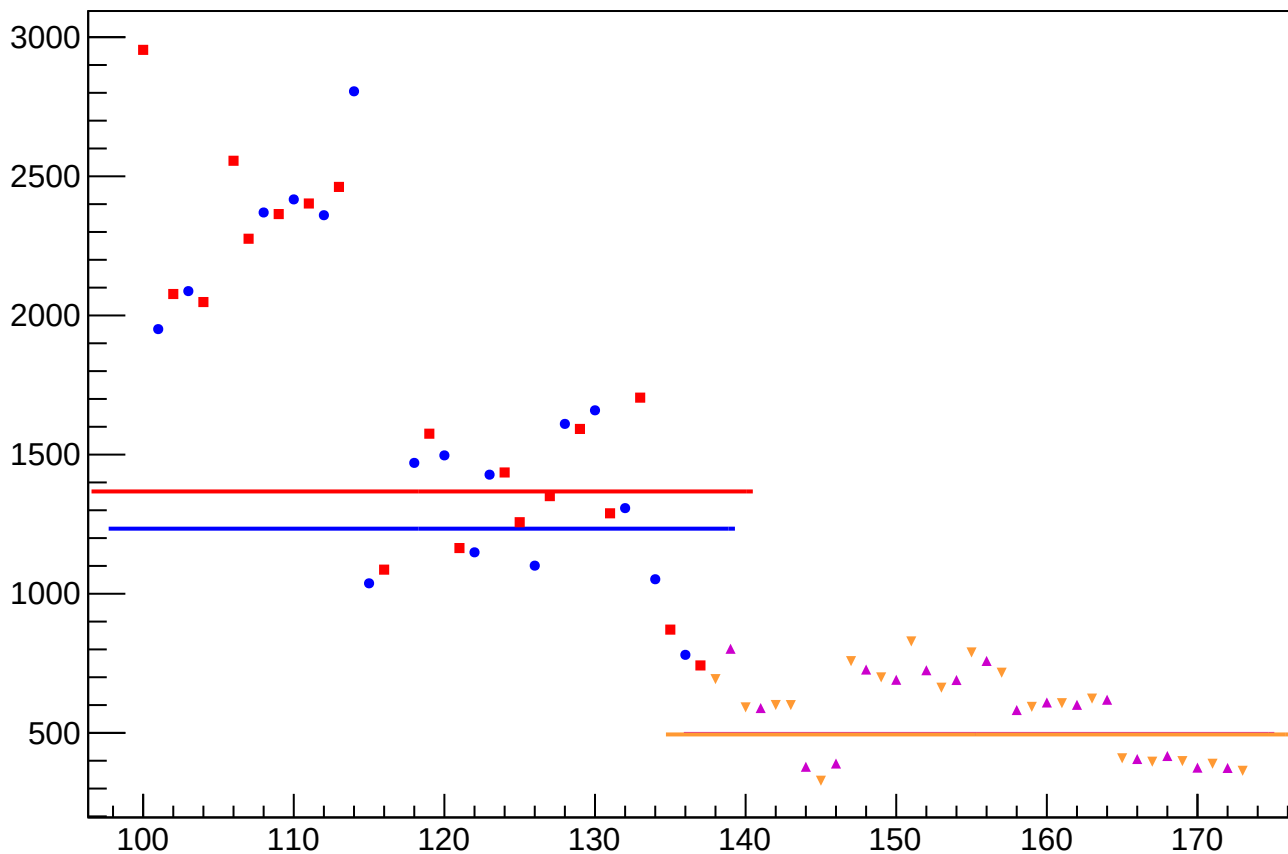
Right: 416.082 $\pm$ 375.451 χ^2/NDF : 33.1/35

In: 163.533 $\pm$ 137.325 χ^2/NDF : 48.0/33

Out: 461.308 $\pm$ 133.334 χ^2/NDF : 56.1/37

All: 316.810 $\pm$ 95.661 χ^2/NDF : 106.5/71

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863 $\pm$ 0.364 χ^2/NDF : 1744048.5/16

Left Out: 494.437 $\pm$ 0.097 χ^2/NDF : 2371438.9/18

Right Out: 1367.609 $\pm$ 0.388 χ^2/NDF : 1744594.4/18

Left In: 496.315 $\pm$ 0.101 χ^2/NDF : 1919104.0/16

Left: 495.342 $\pm$ 0.070 χ^2/NDF : 4290722.7/35

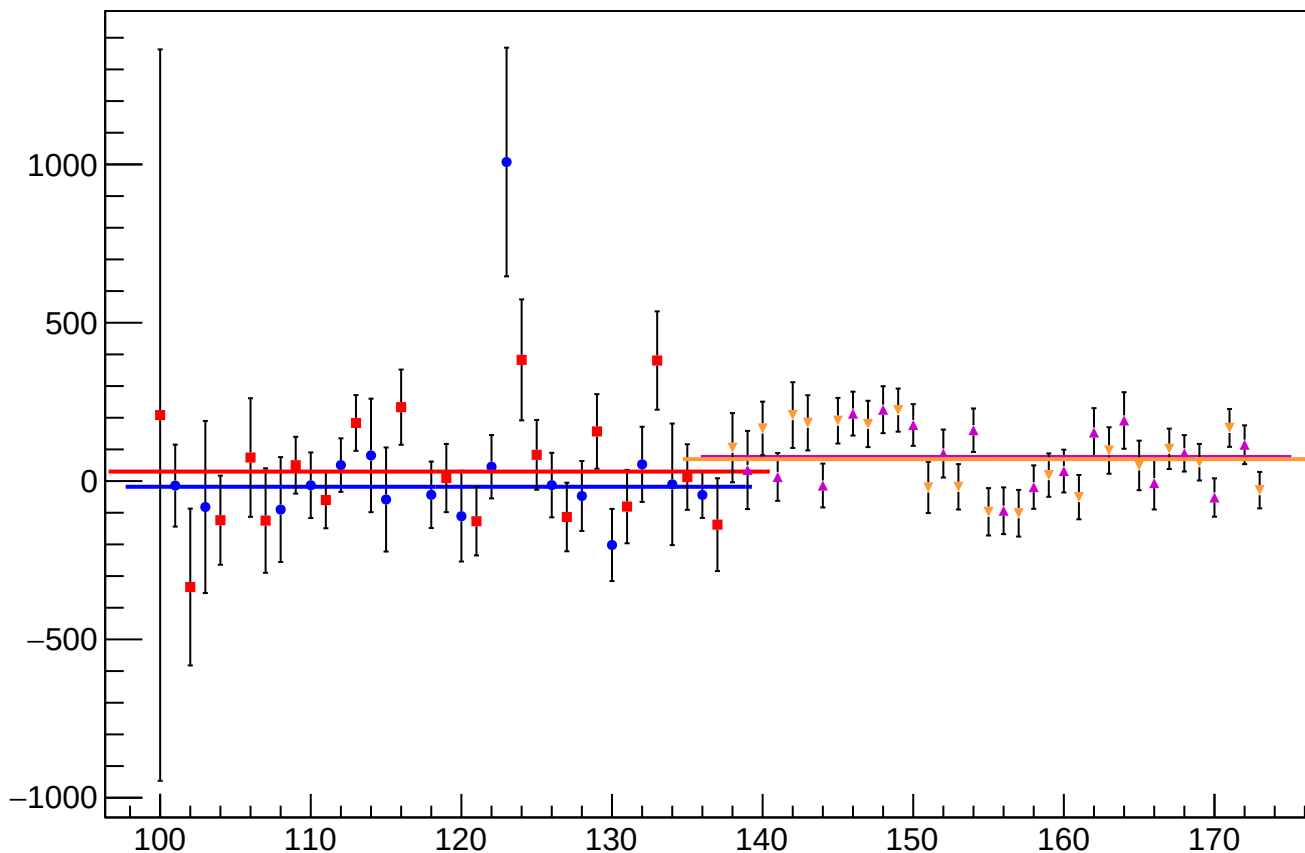
Right: 1296.600 $\pm$ 0.265 χ^2/NDF : 3551849.9/35

In: 548.701 $\pm$ 0.097 χ^2/NDF : 7469779.5/33

Out: 546.093 $\pm$ 0.094 χ^2/NDF : 8890027.1/37

All: 547.358 $\pm$ 0.068 χ^2/NDF : 16360177.9/73

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 χ^2/NDF : 13.4/16

Left Out: 69.225 ± 16.554 χ^2/NDF : 37.9/18

Right Out: 30.070 ± 27.976 χ^2/NDF : 27.4/18

Left In: 76.003 ± 17.272 χ^2/NDF : 30.6/16

Left: 72.470 ± 11.951 χ^2/NDF : 68.5/35

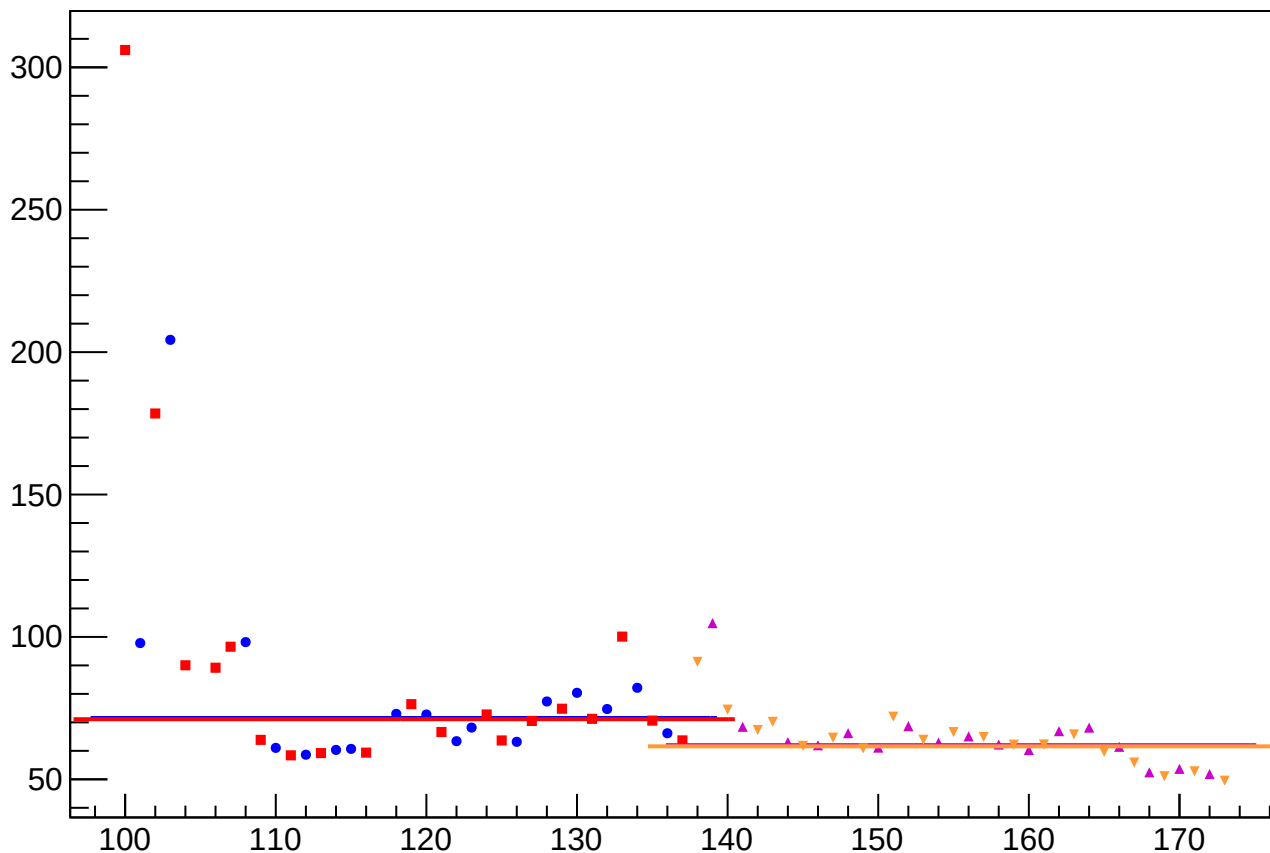
Right: 6.786 ± 20.083 χ^2/NDF : 42.2/35

In: 51.204 ± 14.819 χ^2/NDF : 51.7/33

Out: 59.071 ± 14.247 χ^2/NDF : 66.8/37

All: 55.292 ± 10.270 χ^2/NDF : 118.6/71

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536 $\pm$ 0.020 χ^2 /NDF: 758961.6/16

Left Out: 61.584 $\pm$ 0.012 χ^2 /NDF: 492219.1/18

Right Out: 71.115 $\pm$ 0.020 χ^2 /NDF: 765159.2/18

Left In: 61.998 $\pm$ 0.012 χ^2 /NDF: 448590.2/16

Left: 61.782 $\pm$ 0.008 χ^2 /NDF: 941408.3/35

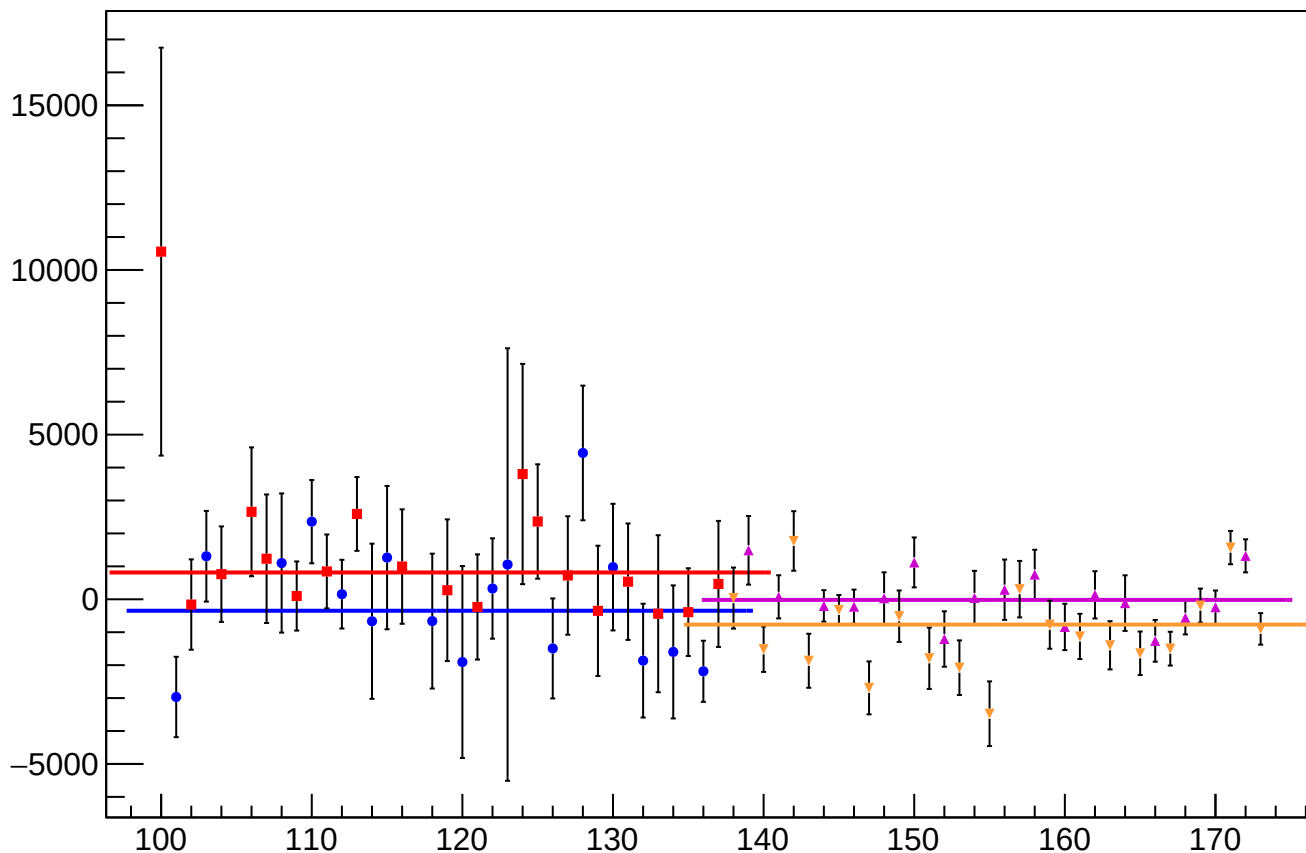
Right: 71.319 $\pm$ 0.014 χ^2 /NDF: 1524340.2/35

In: 64.515 $\pm$ 0.010 χ^2 /NDF: 1368492.2/33

Out: 64.056 $\pm$ 0.010 χ^2 /NDF: 1429313.8/37

All: 64.276 $\pm$ 0.007 χ^2 /NDF: 2798804.2/71

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -767.699+/-152.481 χ^2/NDF : 58.7/18

Right Out: 814.154+/-369.807 χ^2/NDF : 10.5/18

Left In: -18.496+/-157.779 χ^2/NDF : 21.5/16

Left: -405.889+/-109.646 χ^2/NDF : 91.9/35

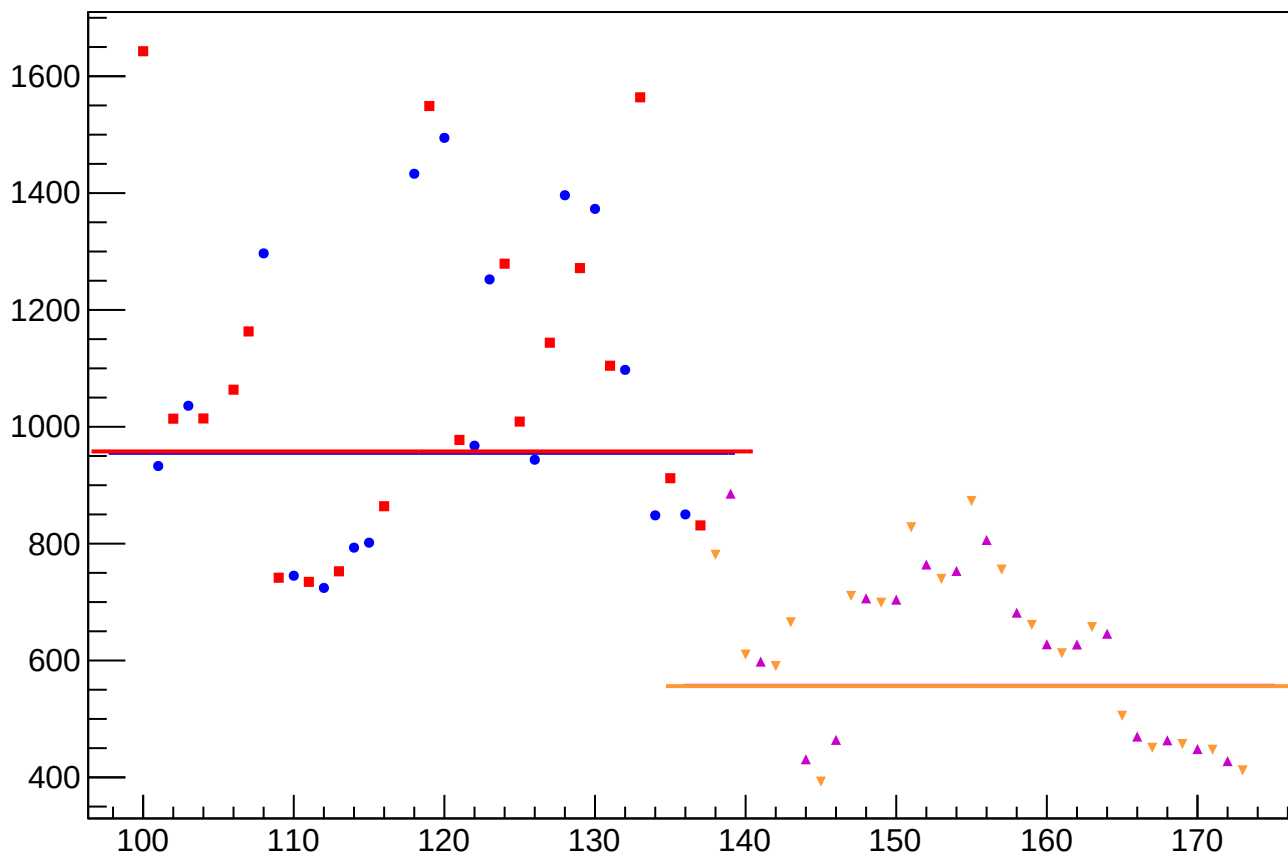
Right: 251.940+/-265.697 χ^2/NDF : 39.3/35

In: -66.509+/-145.829 χ^2/NDF : 46.2/33

Out: -537.844+/-140.968 χ^2/NDF : 84.9/37

All: -310.164+/-101.354 χ^2/NDF : 136.5/71

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425 $\pm$ 0.270 χ^2 /NDF: 646512.4/16

Left Out: 556.157 $\pm$ 0.108 χ^2 /NDF:1690527.0/18

Right Out: 957.849 $\pm$ 0.261 χ^2 /NDF: 693081.8/18

Left In: 556.706 $\pm$ 0.112 χ^2 /NDF:1387988.7/16

Left: 556.422 $\pm$ 0.078 χ^2 /NDF: 3078528.2/35

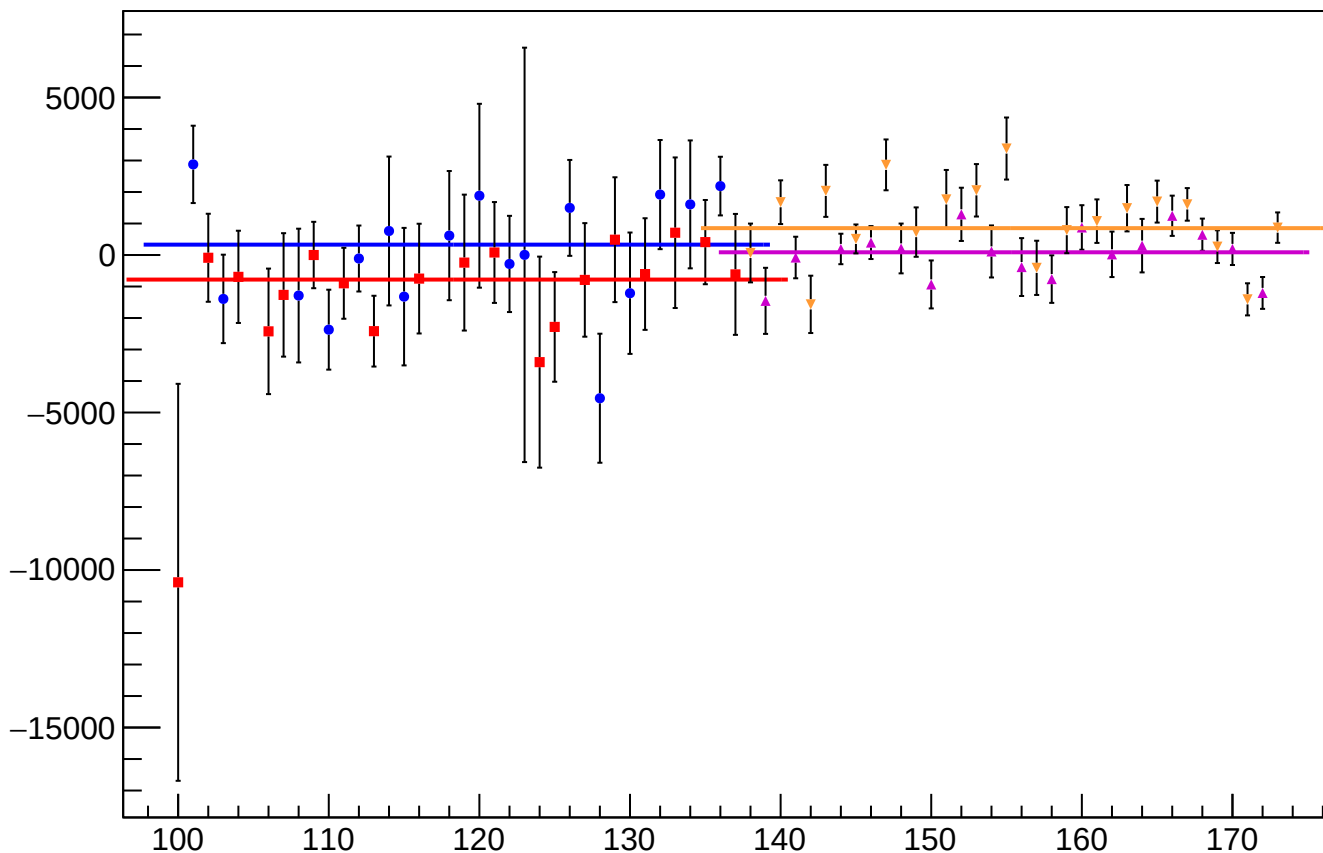
Right: 956.676 $\pm$ 0.188 χ^2 /NDF: 1339635.8/35

In: 614.815 $\pm$ 0.103 χ^2 /NDF:3895911.8/33

Out: 614.526 $\pm$ 0.100 χ^2 /NDF:4400461.2/37

All: 614.666 $\pm$ 0.072 χ^2 /NDF: 8296377.0/71

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 852.663 $\pm$ 153.523 χ^2 /NDF:55.3/18

Right Out: -779.623 $\pm$ 371.673 χ^2 /NDF: 9.3/18

Left In: 86.357 $\pm$ 158.883 χ^2 /NDF:20.4/16

Left: 482.653 $\pm$ 110.403 χ^2 /NDF: 87.7/35

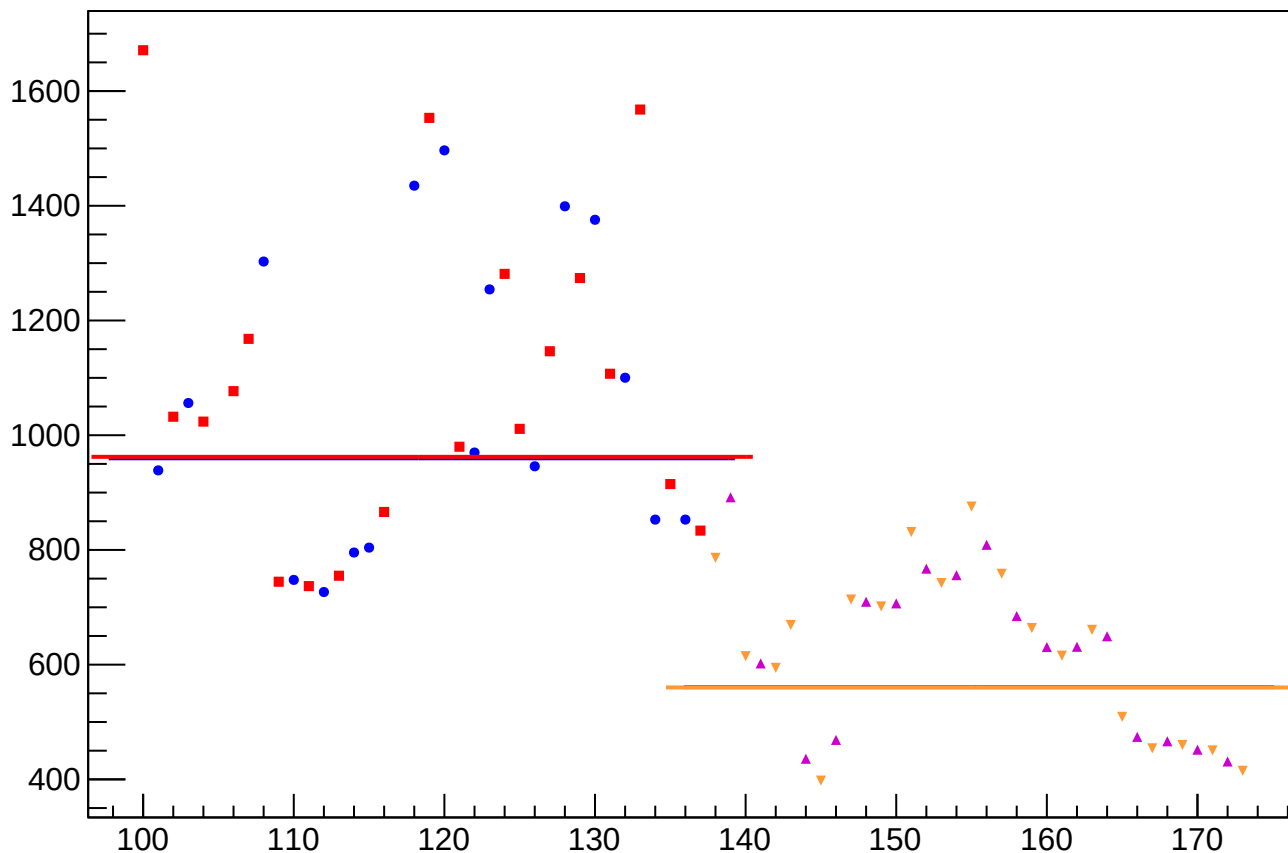
Right: -242.920 $\pm$ 266.973 χ^2 /NDF: 37.9/35

In: 121.891 $\pm$ 146.797 χ^2 /NDF:45.0/33

Out: 614.757 $\pm$ 141.894 χ^2 /NDF:81.1/37

All: 376.691 $\pm$ 102.024 χ^2 /NDF: 131.9/71

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 560.223 $\pm$ 0.109 χ^2 /NDF:1664624.2/18

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

Left In: 560.861 $\pm$ 0.112 χ^2 /NDF:1366105.5/16

Left: 560.531 $\pm$ 0.078 χ^2 /NDF: 3030746.4/35

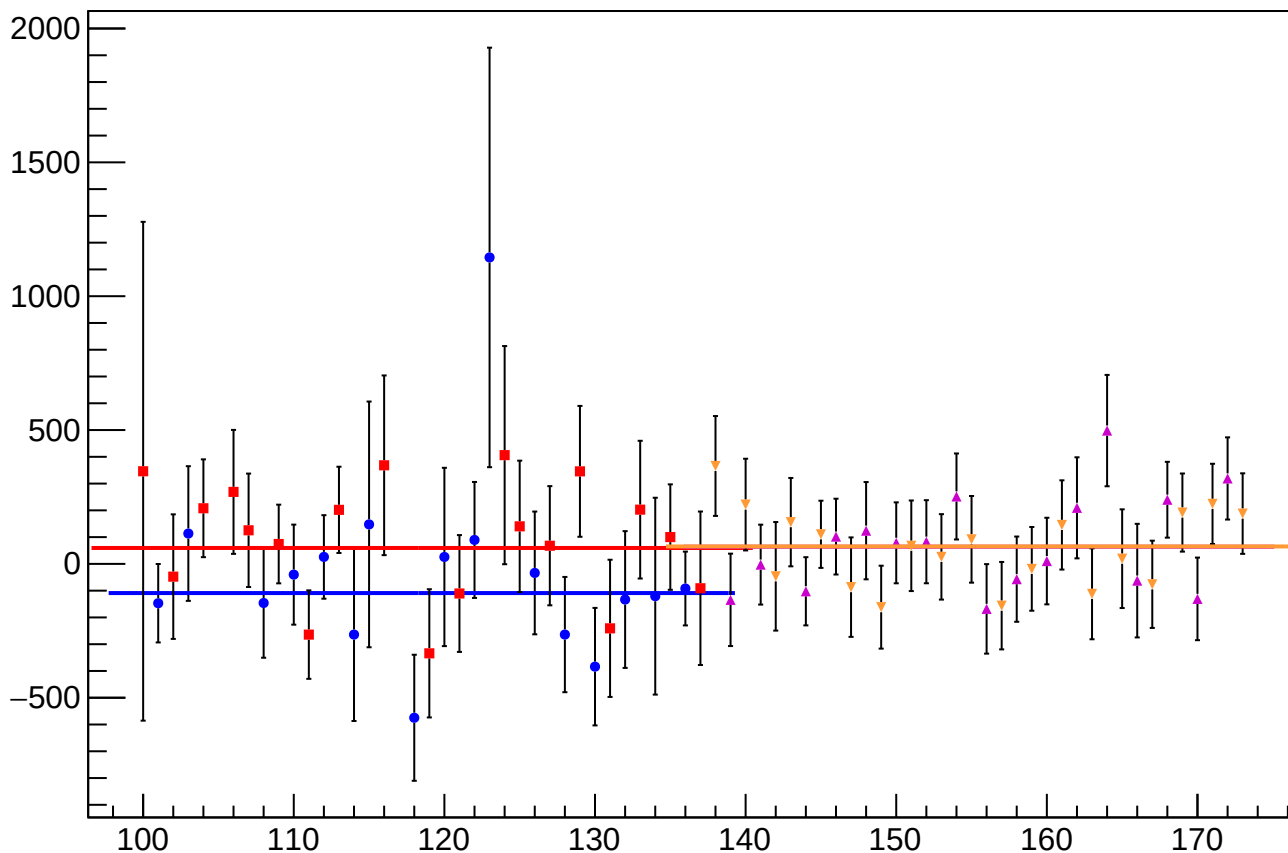
Right: 961.083 $\pm$ 0.189 χ^2 /NDF: 1342530.4/35

In: 619.241 $\pm$ 0.104 χ^2 /NDF:3857898.4/33

Out: 618.828 $\pm$ 0.100 χ^2 /NDF:4359972.1/37

All: 619.027 $\pm$ 0.072 χ^2 /NDF: 8217878.6/71

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 $\pm$ 52.923 χ^2 /NDF: 12.0/16

Left Out: 65.166 $\pm$ 37.206 χ^2 /NDF:13.9/18

Right Out: 59.475 $\pm$ 50.822 χ^2 /NDF: 14.9/18

Left In: 64.144 $\pm$ 38.765 χ^2 /NDF:18.6/16

Left: 64.676 $\pm$ 26.843 χ^2 /NDF: 32.5/35

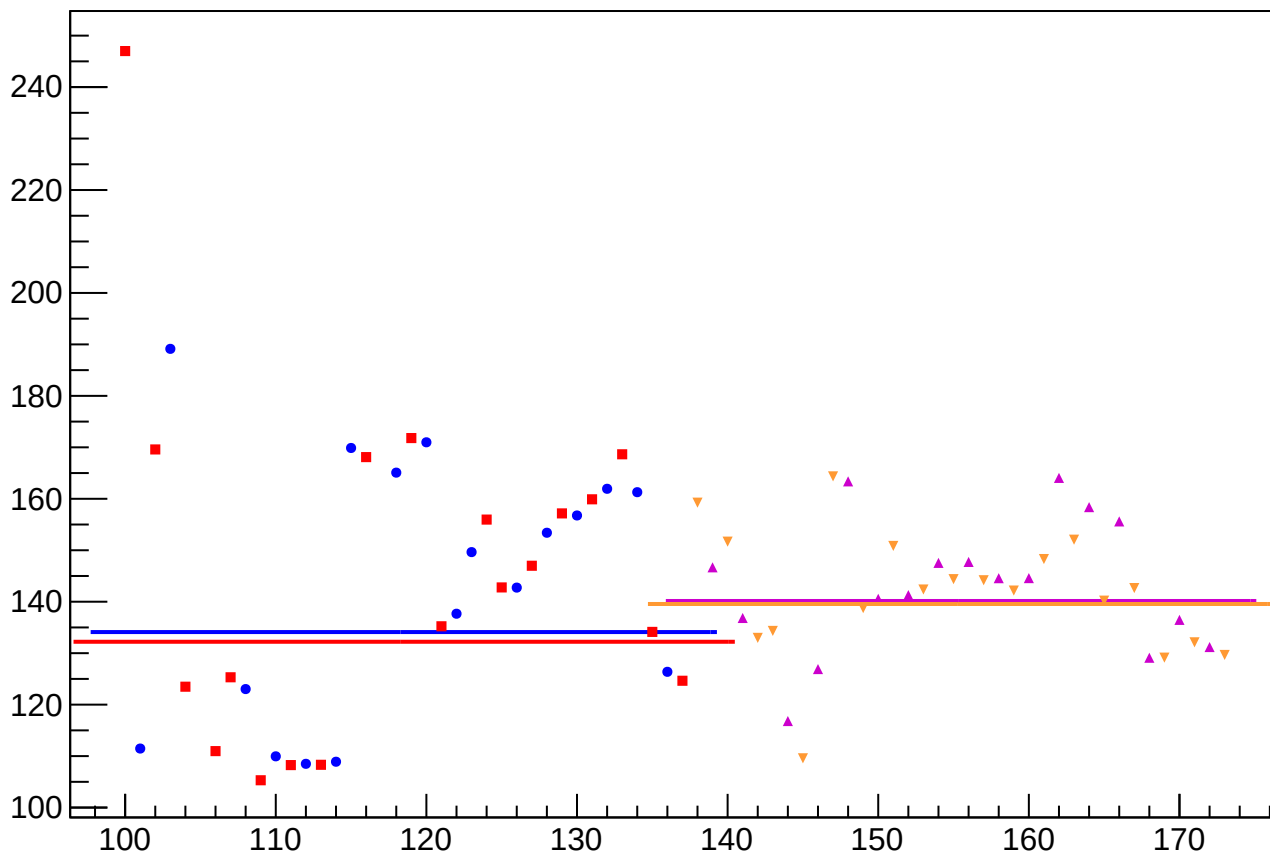
Right: -21.341 $\pm$ 36.657 χ^2 /NDF: 32.2/35

In: 3.692 $\pm$ 31.273 χ^2 /NDF:37.6/33

Out: 63.180 $\pm$ 30.021 χ^2 /NDF:28.8/37

All: 34.651 $\pm$ 21.657 χ^2 /NDF: 68.2/71

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103+/-0.037 χ^2/NDF : 402581.2/16

Left Out: 139.558+/-0.026 χ^2/NDF :240688.5/18

Right Out: 132.219+/-0.036 χ^2/NDF : 441738.5/18

Left In: 140.141+/-0.027 χ^2/NDF :210883.8/16

Left: 139.837+/-0.019 χ^2/NDF : 451807.6/35

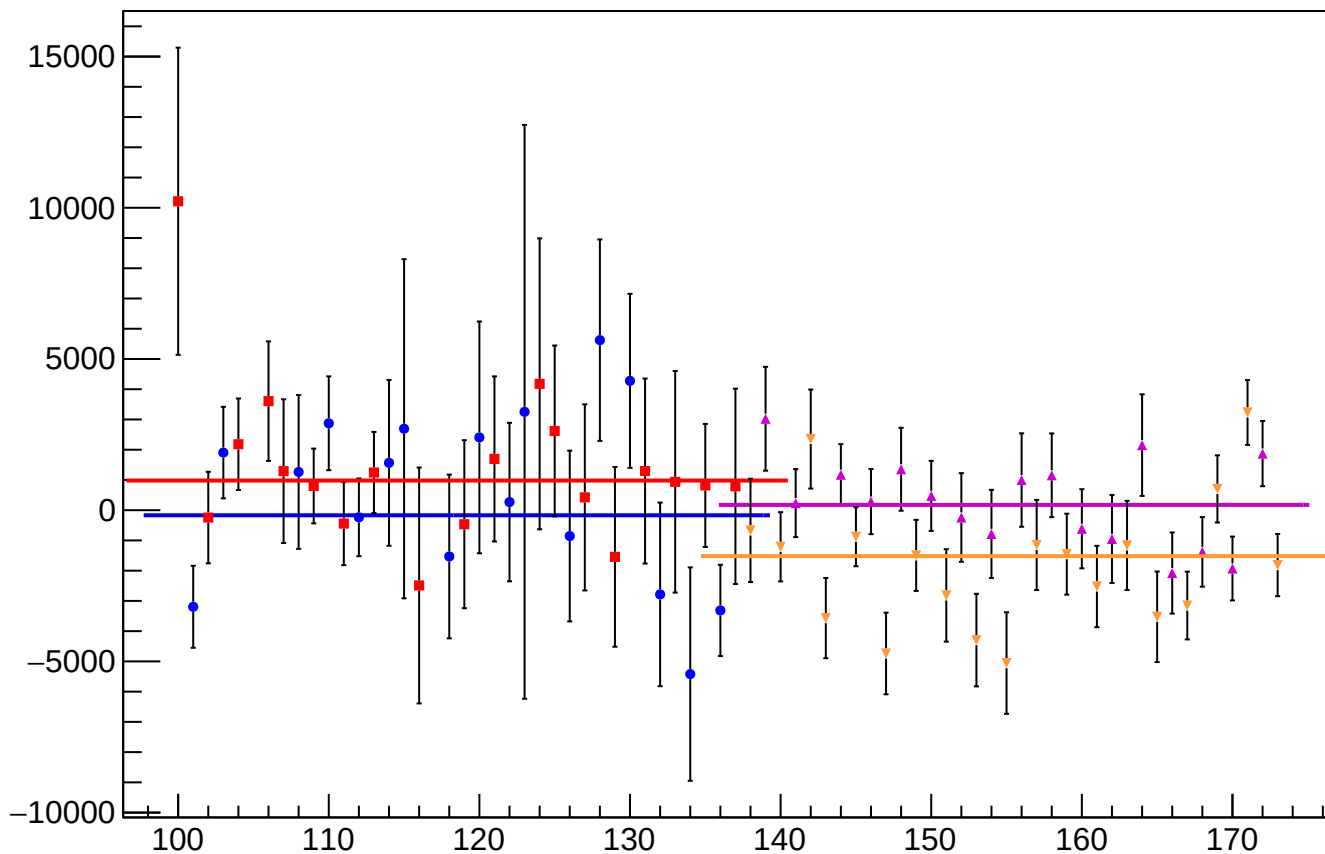
Right: 133.123+/-0.026 χ^2/NDF : 845638.9/35

In: 138.032+/-0.022 χ^2/NDF :630404.8/33

Out: 136.997+/-0.021 χ^2/NDF :709581.7/37

All: 137.494+/-0.015 χ^2/NDF : 1341127.5/71

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 ± 523.672 χ^2/NDF : 25.3/16

Left Out: -1519.614 ± 295.238 χ^2/NDF : 51.2/18

Right Out: 980.517 ± 480.968 χ^2/NDF : 10.2/18

Left In: 174.259 ± 307.140 χ^2/NDF : 19.3/16

Left: -706.132 ± 212.848 χ^2/NDF : 86.2/35

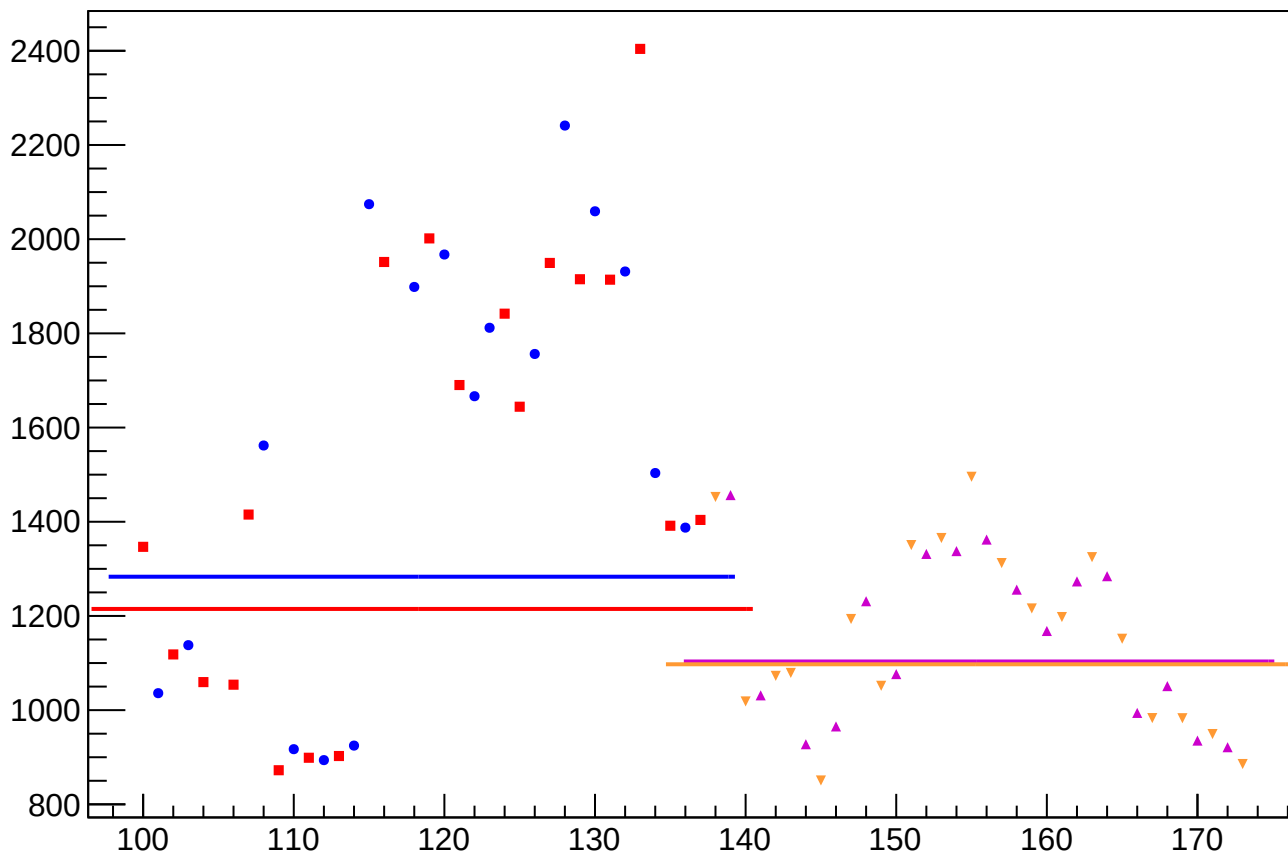
Right: 454.882 ± 354.232 χ^2/NDF : 38.1/35

In: 86.598 ± 264.934 χ^2/NDF : 44.9/33

Out: -835.383 ± 251.615 χ^2/NDF : 81.0/37

All: -398.149 ± 182.445 χ^2/NDF : 132.2/71

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318 $\pm$ 0.370 χ^2 /NDF: 1169431.5/16

Left Out: 1097.382 $\pm$ 0.209 χ^2 /NDF: 750455.6/18

Right Out: 1214.883 $\pm$ 0.340 χ^2 /NDF: 1360860.3/18

Left In: 1103.307 $\pm$ 0.217 χ^2 /NDF: 565450.5/16

Left: 1100.228 $\pm$ 0.151 χ^2 /NDF: 1316293.1/35

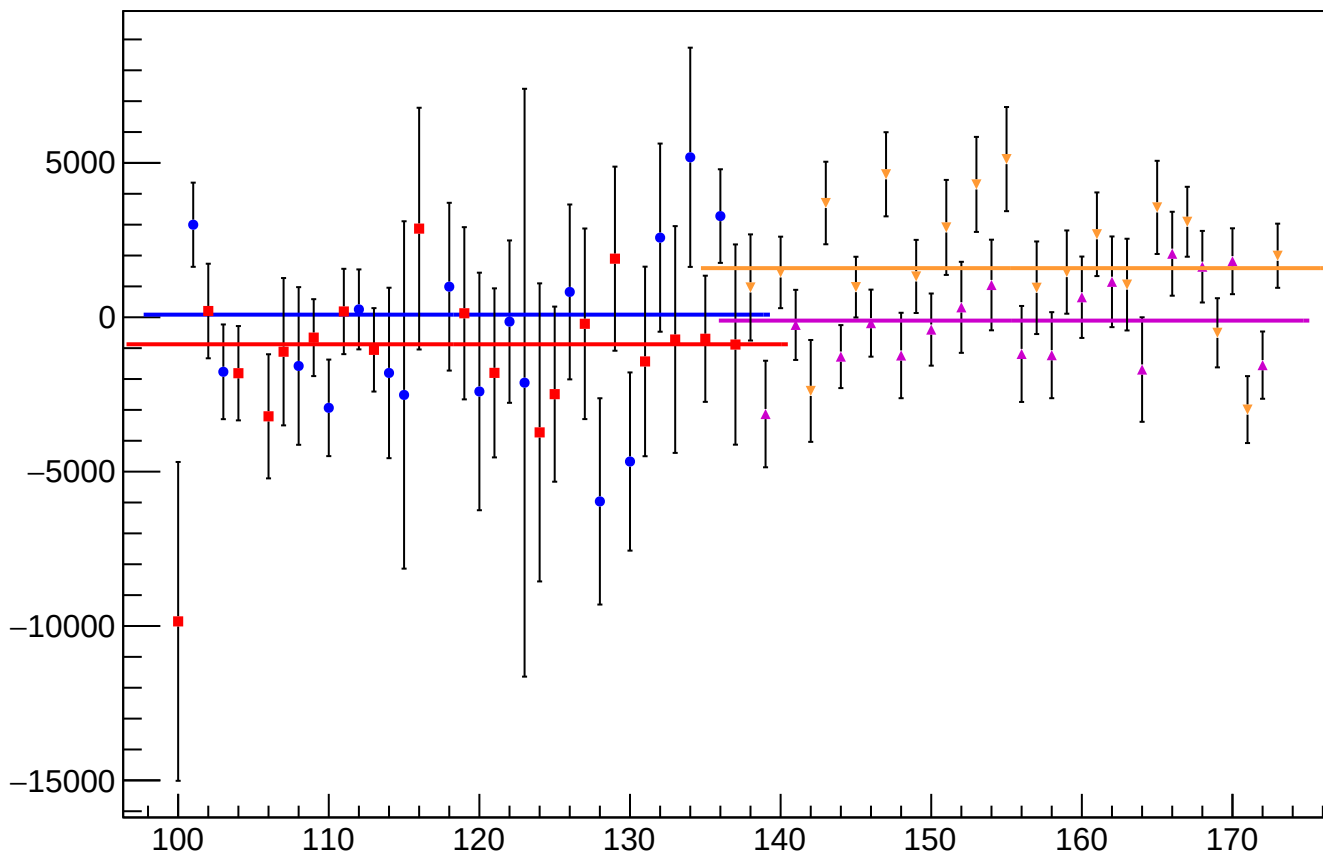
Right: 1246.197 $\pm$ 0.250 χ^2 /NDF: 2548819.1/35

In: 1149.381 $\pm$ 0.187 χ^2 /NDF: 1910718.2/33

Out: 1129.539 $\pm$ 0.178 χ^2 /NDF: 2198014.2/37

All: 1138.949 $\pm$ 0.129 χ^2 /NDF: 4114630.5/71

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077 ± 527.082 $\chi^2/\text{NDF}: 24.7/16$

Left Out: 1591.617 ± 297.753 $\chi^2/\text{NDF}: 48.0/18$

Right Out: -874.592 ± 484.647 $\chi^2/\text{NDF}: 8.7/18$

Left In: -107.633 ± 309.754 $\chi^2/\text{NDF}: 18.7/16$

Left: 775.544 ± 214.660 $\chi^2/\text{NDF}: 82.4/35$

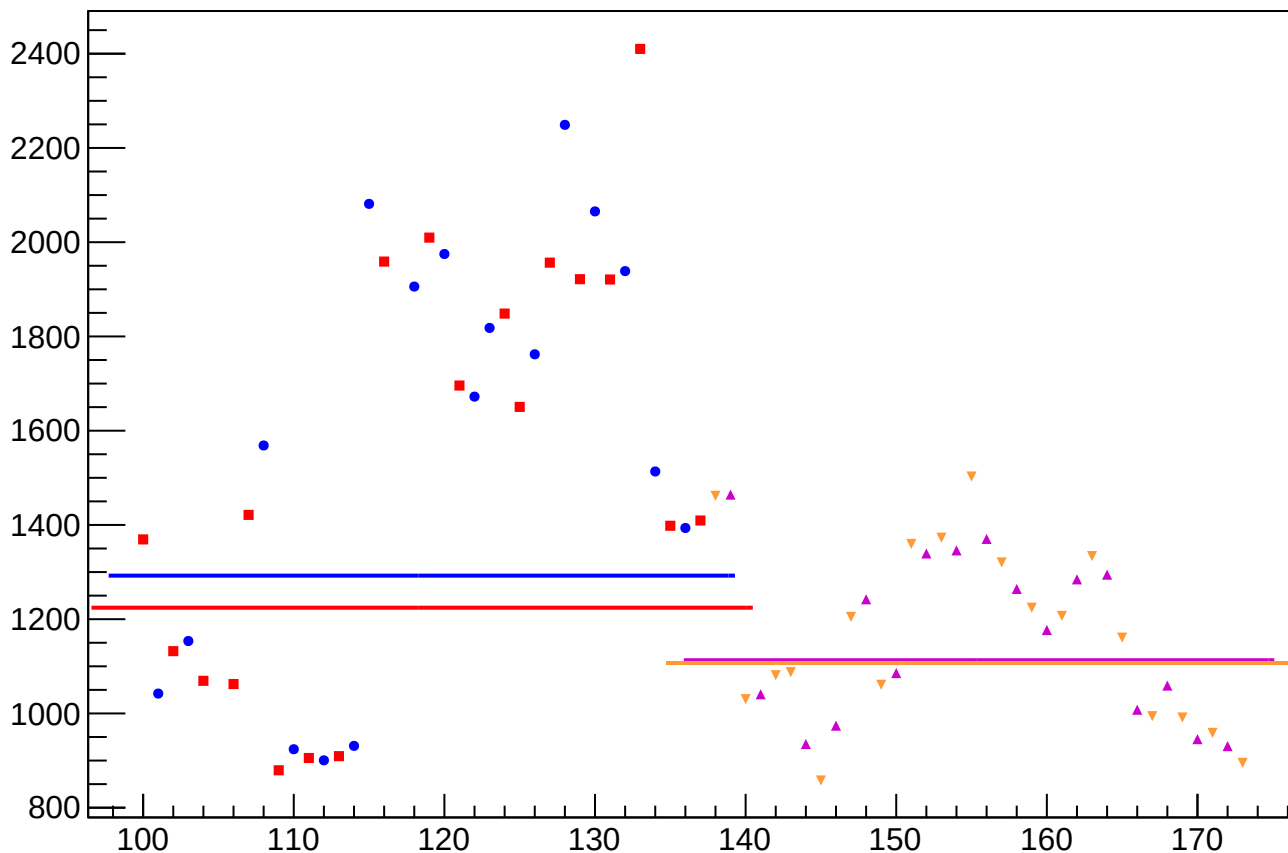
Right: -434.939 ± 356.757 $\chi^2/\text{NDF}: 35.2/35$

In: -58.163 ± 267.052 $\chi^2/\text{NDF}: 43.5/33$

Out: 915.820 ± 253.699 $\chi^2/\text{NDF}: 75.5/37$

All: 453.788 ± 183.932 $\chi^2/\text{NDF}: 126.0/71$

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426 $\pm$ 0.373 χ^2 /NDF: 1156576.0/16

Left Out: 1107.024 $\pm$ 0.211 χ^2 /NDF: 738159.9/18

Right Out: 1224.429 $\pm$ 0.343 χ^2 /NDF: 1345748.2/18

Left In: 1112.944 $\pm$ 0.219 χ^2 /NDF: 555678.8/16

Left: 1109.867 $\pm$ 0.152 χ^2 /NDF: 1294218.4/35

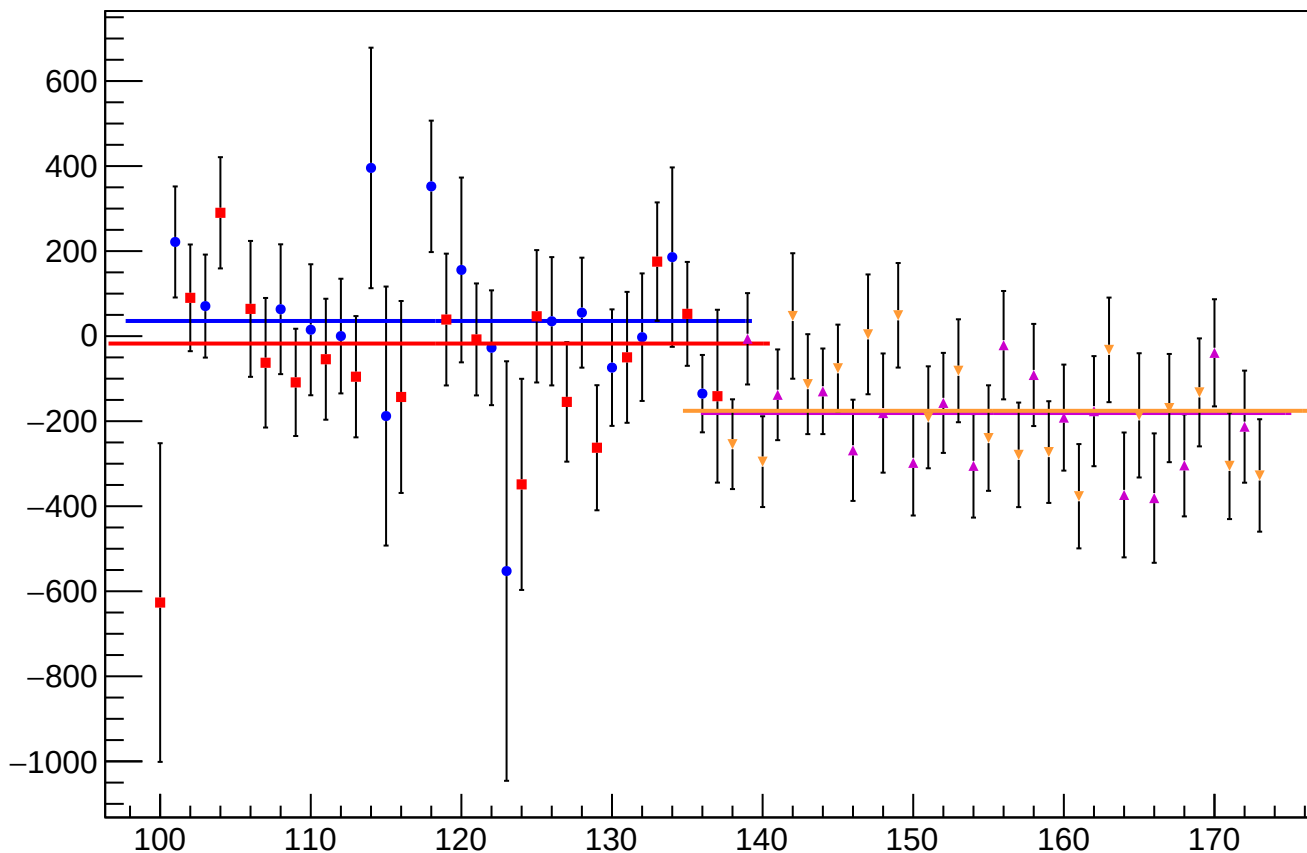
Right: 1255.580 $\pm$ 0.252 χ^2 /NDF: 2520360.3/35

In: 1159.018 $\pm$ 0.189 χ^2 /NDF: 1884628.9/33

Out: 1139.196 $\pm$ 0.179 χ^2 /NDF: 2169115.8/37

All: 1148.599 $\pm$ 0.130 χ^2 /NDF: 4059536.8/71

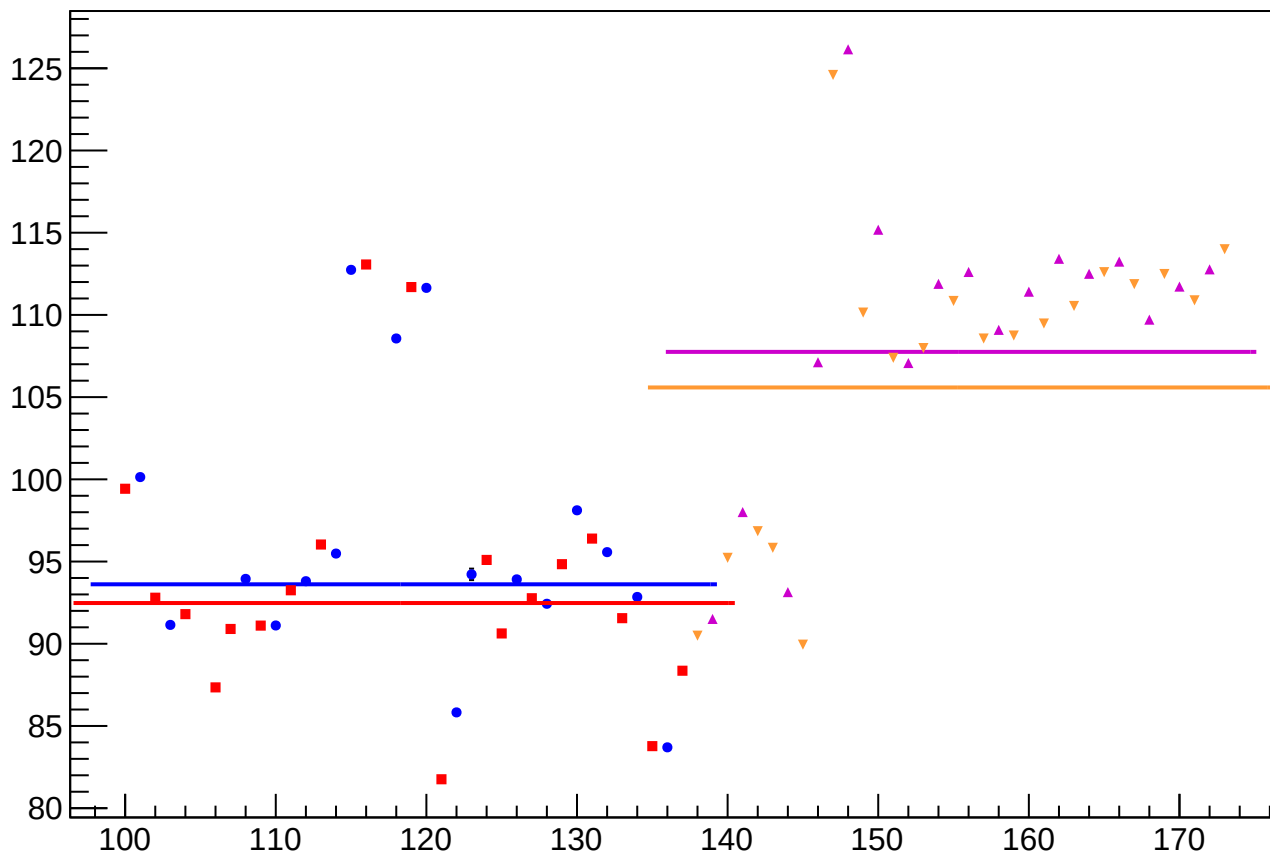
reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 $\pm$ 36.350 χ^2 /NDF: 15.3/16
 Left Out: -175.621 $\pm$ 28.060 χ^2 /NDF:19.1/18
 Right Out: -17.418 $\pm$ 34.691 χ^2 /NDF: 18.9/18
 Left In: -180.802 $\pm$ 29.697 χ^2 /NDF:13.5/16

Left: -178.064 $\pm$ 20.395 χ^2 /NDF: 32.7/35
 Right: 7.891 $\pm$ 25.096 χ^2 /NDF: 35.3/35
 In: -94.152 $\pm$ 22.998 χ^2 /NDF:50.1/33
 Out: -113.054 $\pm$ 21.816 χ^2 /NDF:50.6/37
 All: -104.100 $\pm$ 15.828 χ^2 /NDF: 101.0/71

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 105.588+/-0.020 χ^2/NDF : 205810.8/18

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

Left In: 107.752+/-0.021 χ^2/NDF : 167446.9/16

Left: 106.609+/-0.014 χ^2/NDF : 378867.9/35

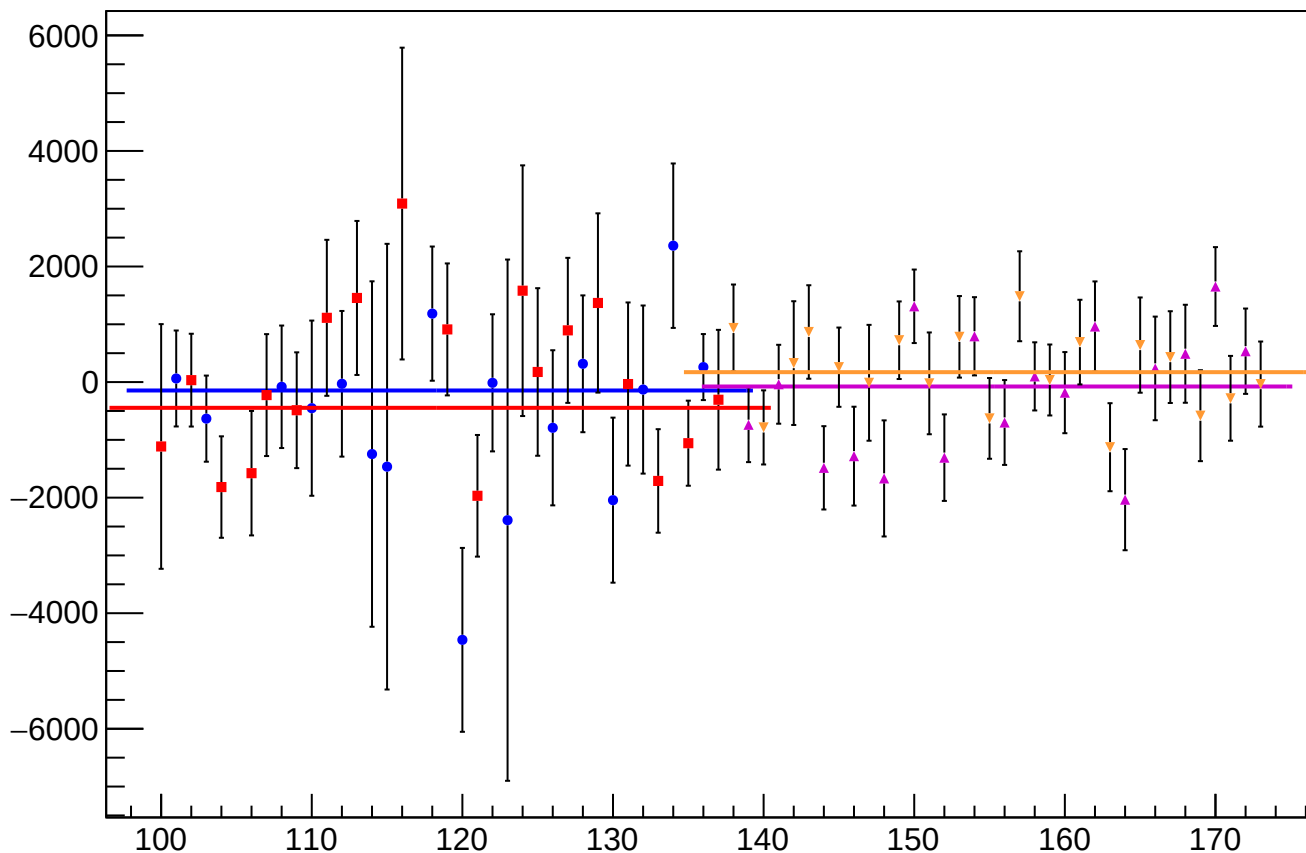
Right: 93.020+/-0.018 χ^2/NDF : 159546.8/35

In: 102.094+/-0.016 χ^2/NDF : 428763.1/33

Out: 100.403+/-0.015 χ^2/NDF : 457085.5/37

All: 101.204+/-0.011 χ^2/NDF : 891539.2/71

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464 $\pm$ 276.629 χ^2 /NDF: 15.5/16

Left Out: 171.544 $\pm$ 172.663 χ^2 /NDF:15.0/18

Right Out: -445.575 $\pm$ 260.276 χ^2 /NDF: 19.0/18

Left In: -76.540 $\pm$ 177.954 χ^2 /NDF:33.8/16

Left: 51.245 $\pm$ 123.919 χ^2 /NDF: 49.7/35

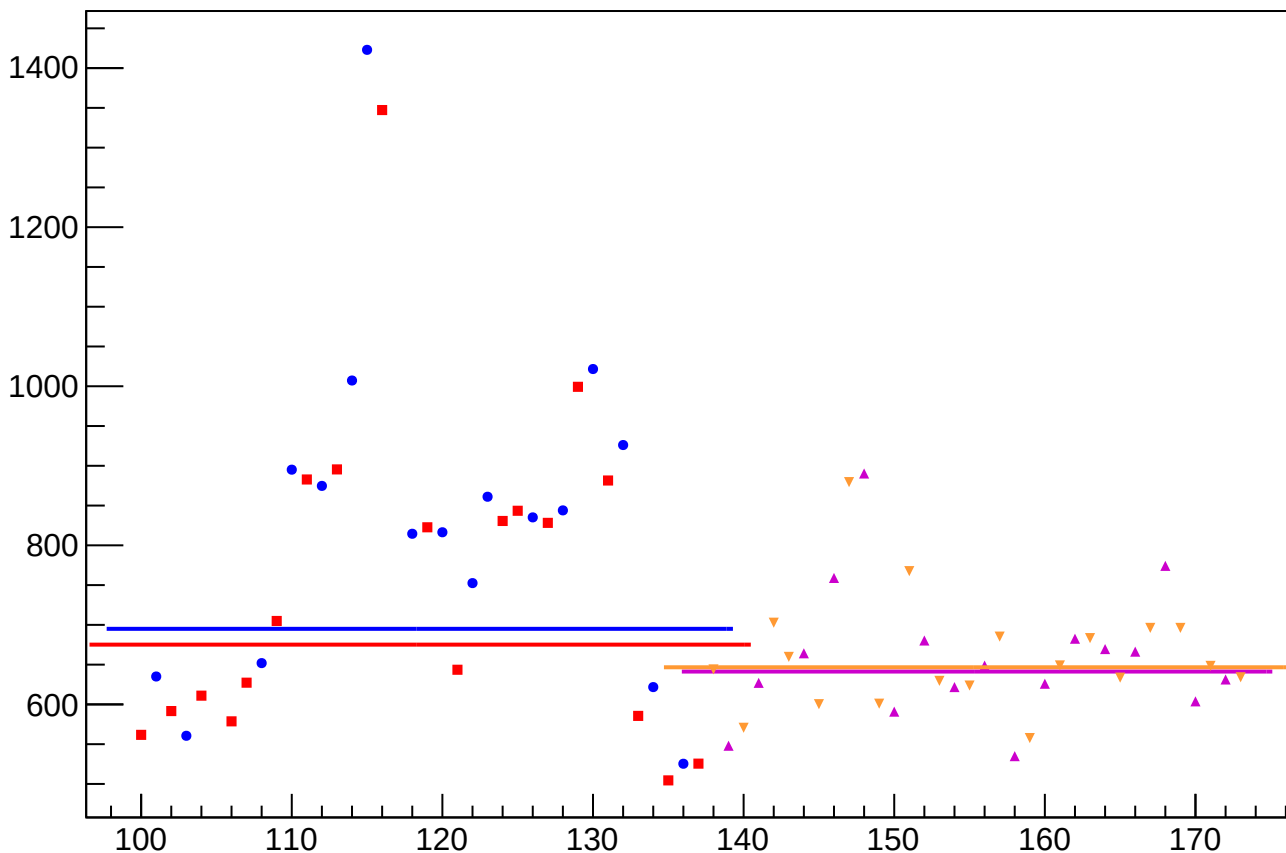
Right: -304.652 $\pm$ 189.560 χ^2 /NDF: 35.1/35

In: -96.714 $\pm$ 149.661 χ^2 /NDF:49.3/33

Out: -17.043 $\pm$ 143.882 χ^2 /NDF:37.9/37

All: -55.311 $\pm$ 103.723 χ^2 /NDF: 87.3/71

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.014 $\pm$ 0.196 χ^2 /NDF: 677713.0/16

Left Out: 646.673 $\pm$ 0.122 χ^2 /NDF:269753.5/18

Right Out: 675.151 $\pm$ 0.184 χ^2 /NDF: 676394.1/18

Left In: 641.304 $\pm$ 0.126 χ^2 /NDF:355848.4/16

Left: 644.070 $\pm$ 0.088 χ^2 /NDF: 626539.7/35

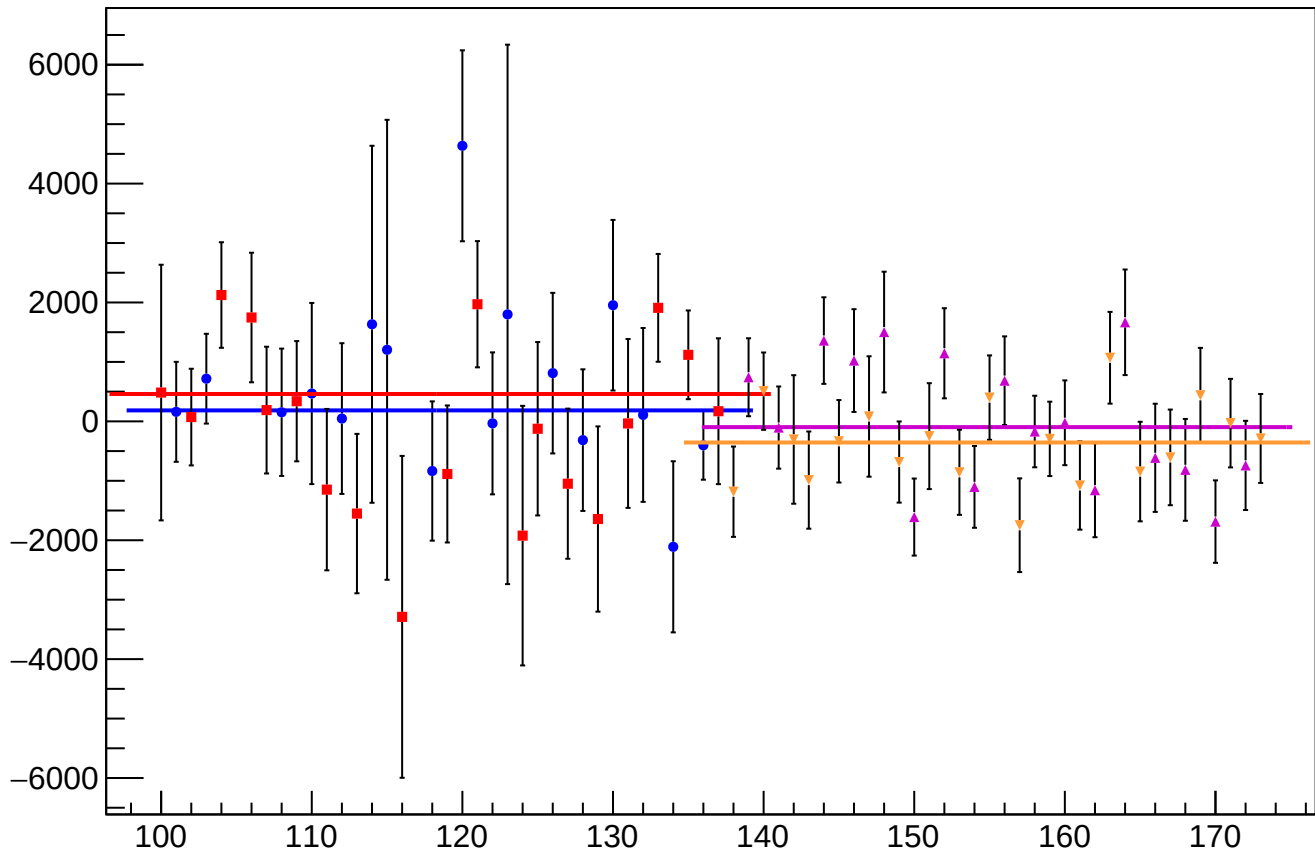
Right: 684.478 $\pm$ 0.134 χ^2 /NDF: 1359576.7/35

In: 657.025 $\pm$ 0.106 χ^2 /NDF:1086888.5/33

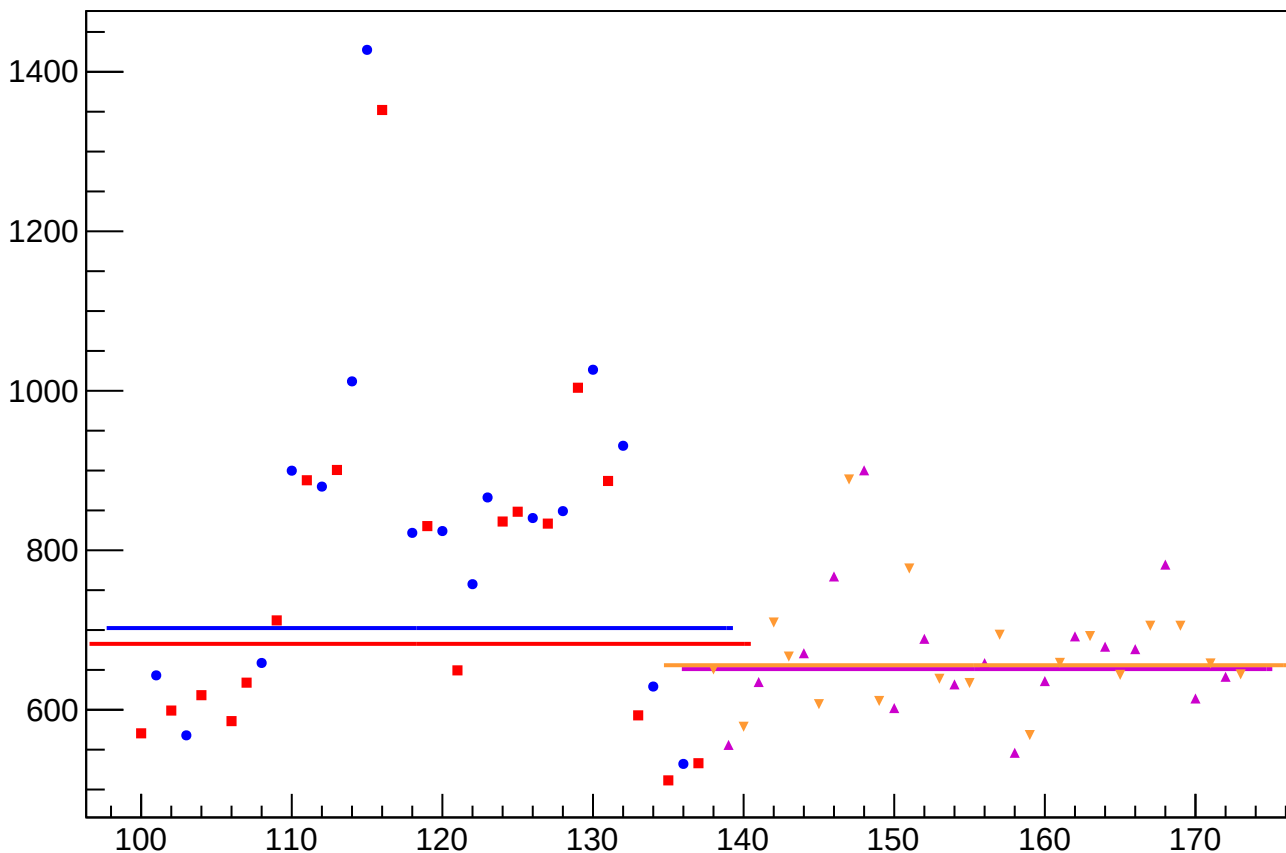
Out: 655.376 $\pm$ 0.102 χ^2 /NDF:962773.3/37

All: 656.168 $\pm$ 0.073 χ^2 /NDF: 2049788.0/71

asym_sam_15_dd_mean vs Slug, Sign Corrected



asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469 $\pm$ 0.198 χ^2 /NDF: 660525.4/16

Left Out: 655.881 $\pm$ 0.124 χ^2 /NDF: 262609.6/18

Right Out: 682.662 $\pm$ 0.186 χ^2 /NDF: 659521.7/18

Left In: 651.036 $\pm$ 0.128 χ^2 /NDF: 342761.4/16

Left: 653.533 $\pm$ 0.089 χ^2 /NDF: 606113.2/35

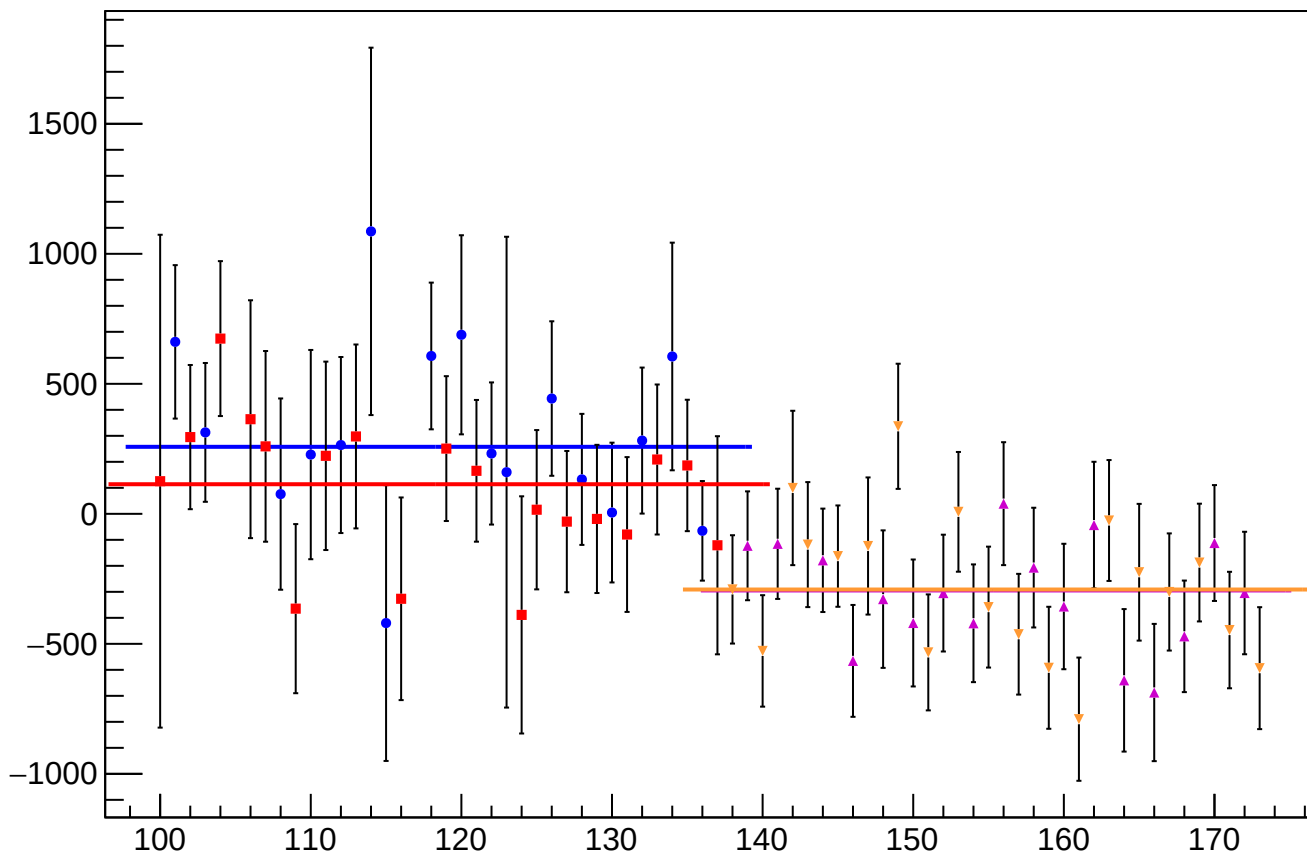
Right: 691.966 $\pm$ 0.135 χ^2 /NDF: 1325377.5/35

In: 666.191 $\pm$ 0.107 χ^2 /NDF: 1051093.5/33

Out: 664.106 $\pm$ 0.103 χ^2 /NDF: 936504.6/37

All: 665.107 $\pm$ 0.074 χ^2 /NDF: 1987794.7/71

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 ± 75.931 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -291.076 ± 53.172 $\chi^2/\text{NDF}: 24.4/18$

Right Out: 113.851 ± 74.211 $\chi^2/\text{NDF}: 11.2/18$

Left In: -294.718 ± 55.833 $\chi^2/\text{NDF}: 12.3/16$

Left: -292.808 ± 38.505 $\chi^2/\text{NDF}: 36.7/35$

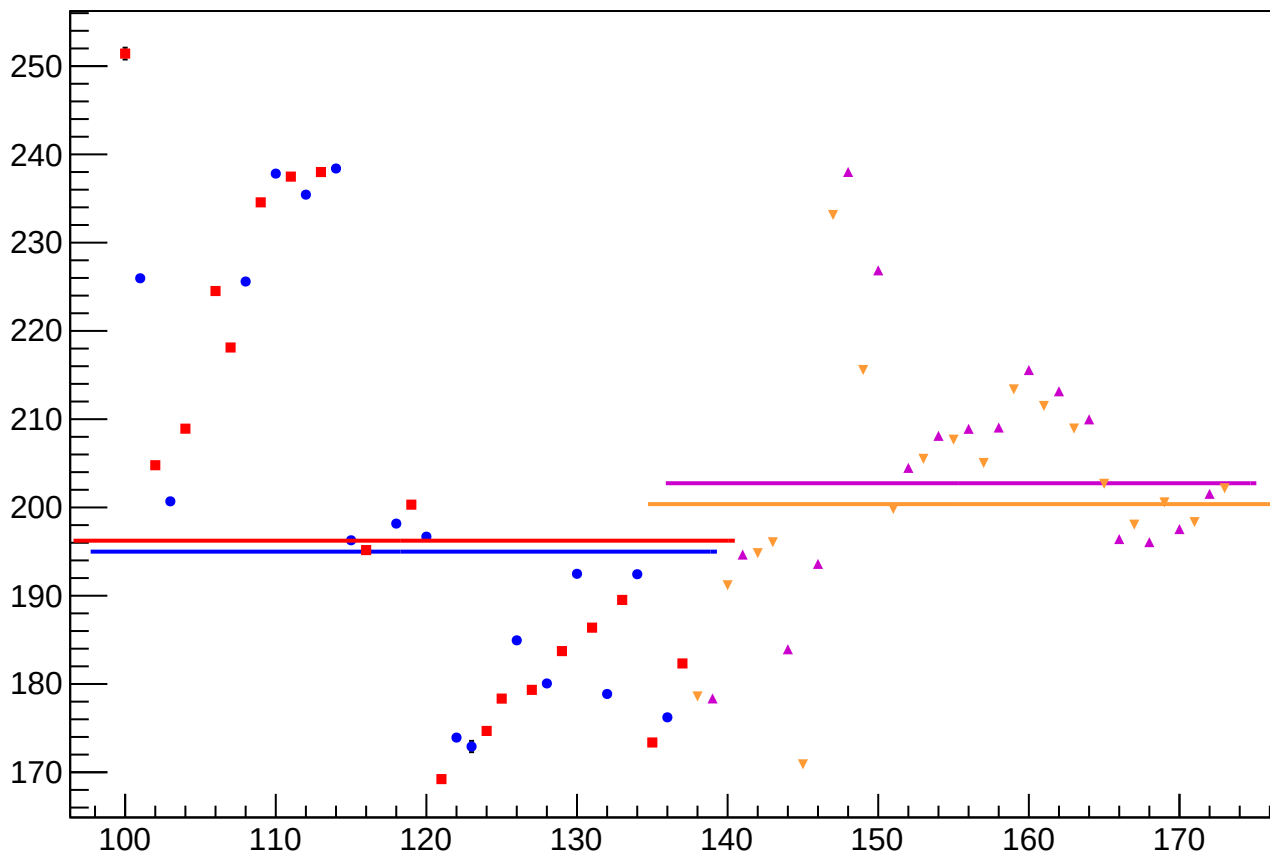
Right: 184.138 ± 53.073 $\chi^2/\text{NDF}: 26.1/35$

In: -100.846 ± 44.982 $\chi^2/\text{NDF}: 59.7/33$

Out: -153.717 ± 43.222 $\chi^2/\text{NDF}: 55.3/37$

All: -128.336 ± 31.166 $\chi^2/\text{NDF}: 115.7/71$

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 200.376 $\pm$ 0.038 χ^2 /NDF:129202.2/18

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

Left In: 202.743 $\pm$ 0.039 χ^2 /NDF:125670.0/16

Left: 201.502 $\pm$ 0.027 χ^2 /NDF: 256757.0/35

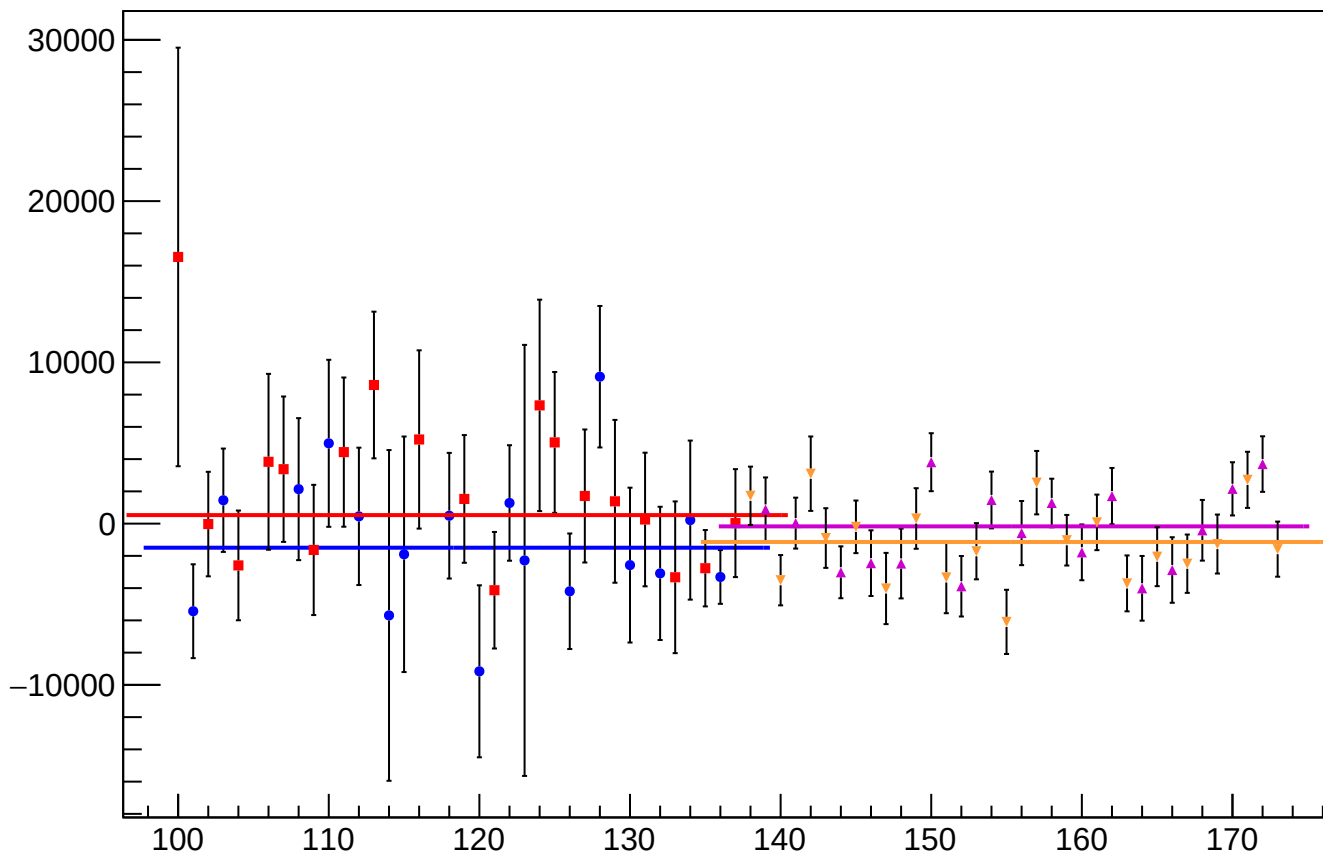
Right: 195.629 $\pm$ 0.038 χ^2 /NDF: 318035.8/35

In: 200.024 $\pm$ 0.032 χ^2 /NDF:283459.6/33

Out: 198.971 $\pm$ 0.031 χ^2 /NDF:306809.1/37

All: 199.477 $\pm$ 0.022 χ^2 /NDF: 590837.8/71

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280+/-910.834 χ^2/NDF : 16.1/16

Left Out: -1137.378+/-416.772 χ^2/NDF : 30.1/18

Right Out: 528.758+/-934.718 χ^2/NDF : 14.6/18

Left In: -170.631+/-436.652 χ^2/NDF : 31.0/16

Left: -676.512+/-301.485 χ^2/NDF : 63.6/35

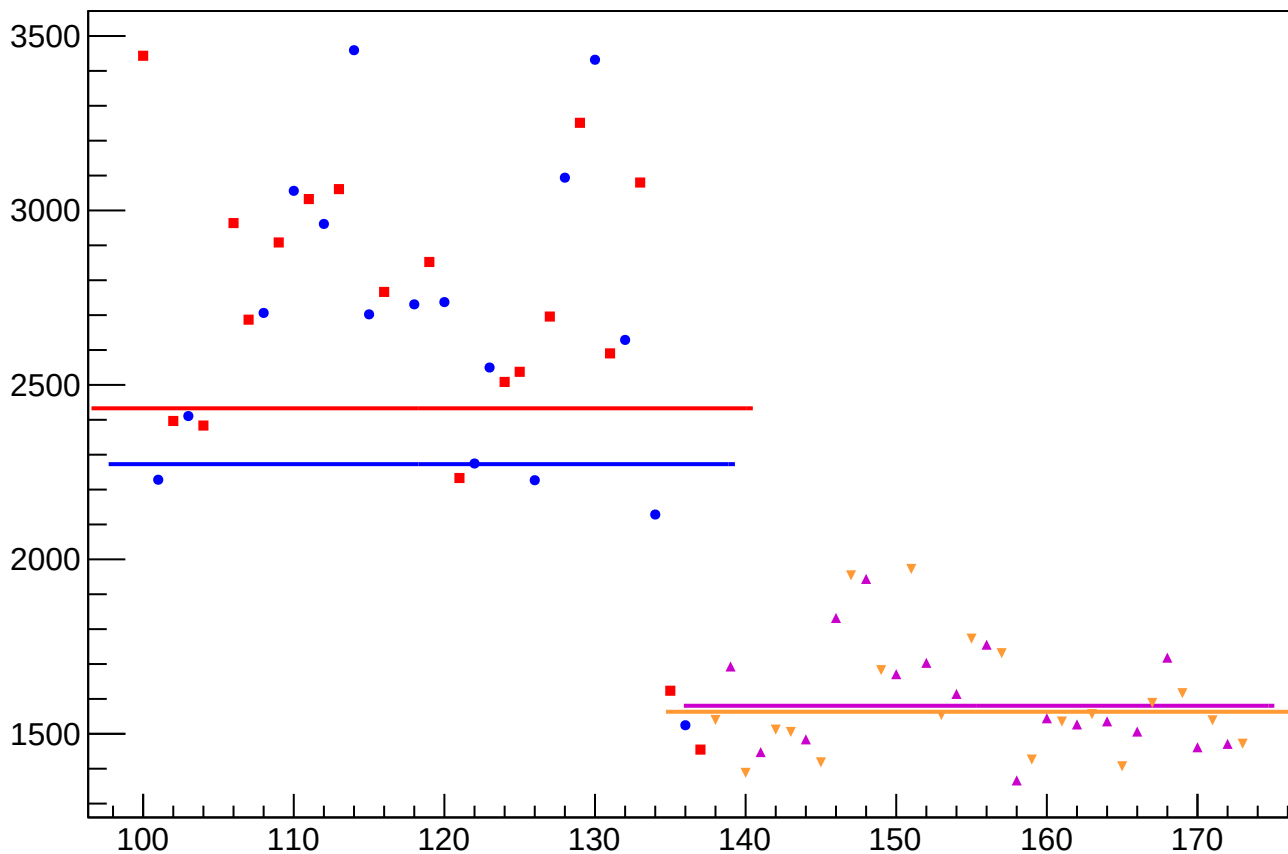
Right: -508.424+/-652.337 χ^2/NDF : 33.2/35

In: -417.800+/-393.744 χ^2/NDF : 48.8/33

Out: -861.068+/-380.648 χ^2/NDF : 47.4/37

All: -646.929+/-273.671 χ^2/NDF : 96.9/71

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883 $\pm$ 0.644 χ^2/NDF : 805650.3/16

Left Out: 1563.172 $\pm$ 0.295 χ^2/NDF : 258481.7/18

Right Out: 2432.950 $\pm$ 0.661 χ^2/NDF : 680783.9/18

Left In: 1580.412 $\pm$ 0.309 χ^2/NDF : 220580.5/16

Left: 1571.391 $\pm$ 0.213 χ^2/NDF : 480693.5/35

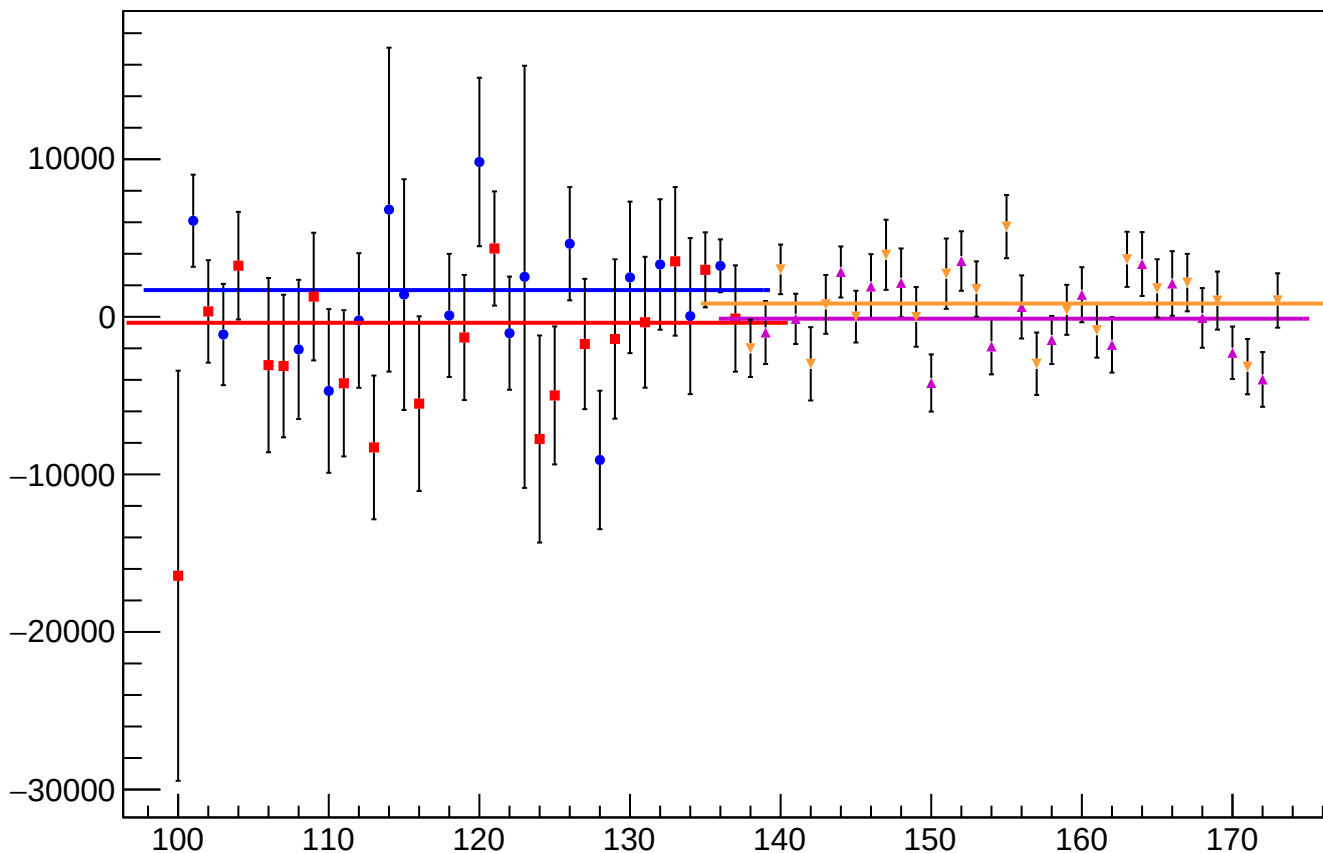
Right: 2350.846 $\pm$ 0.461 χ^2/NDF : 1516518.2/35

In: 1709.817 $\pm$ 0.278 χ^2/NDF : 1966199.9/33

Out: 1707.415 $\pm$ 0.269 χ^2/NDF : 2383824.9/37

All: 1708.575 $\pm$ 0.194 χ^2/NDF : 4350063.3/71

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956 $\pm$ 914.855 χ^2/NDF : 16.6/16

Left Out: 842.067 $\pm$ 420.314 χ^2/NDF : 29.7/18

Right Out: -377.629 $\pm$ 938.528 χ^2/NDF : 15.0/18

Left In: -118.630 $\pm$ 440.399 χ^2/NDF : 28.7/16

Left: 384.124 $\pm$ 304.059 χ^2/NDF : 60.9/35

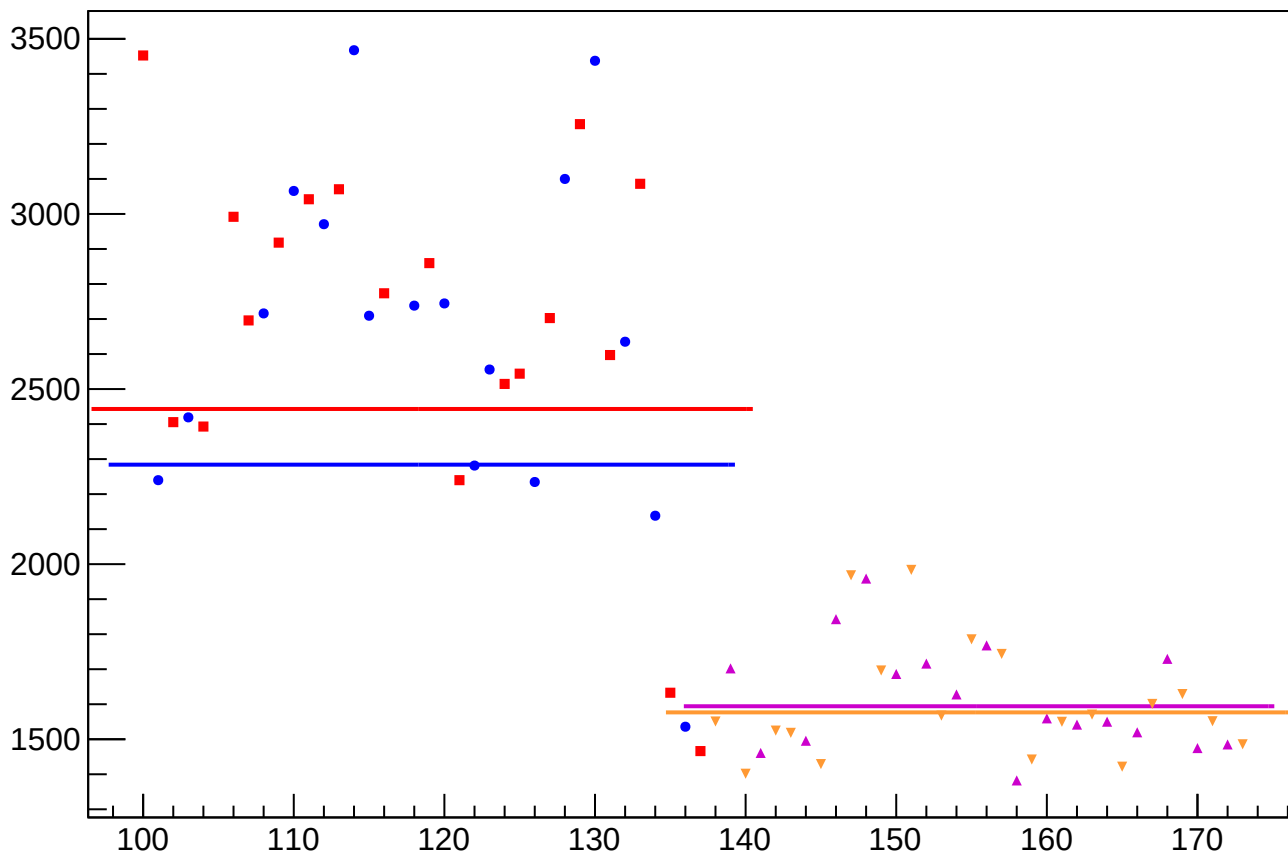
Right: 685.645 $\pm$ 655.109 χ^2/NDF : 34.1/35

In: 222.759 $\pm$ 396.815 χ^2/NDF : 48.5/33

Out: 638.307 $\pm$ 383.602 χ^2/NDF : 46.1/37

All: 437.566 $\pm$ 275.800 χ^2/NDF : 95.2/71

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104 $\pm$ 0.647 χ^2 /NDF: 793993.4/16

Left Out: 1576.713 $\pm$ 0.297 χ^2 /NDF: 253531.8/18

Right Out: 2443.124 $\pm$ 0.664 χ^2 /NDF: 672899.9/18

Left In: 1594.231 $\pm$ 0.311 χ^2 /NDF: 215065.0/16

Left: 1585.064 $\pm$ 0.215 χ^2 /NDF: 470252.9/35

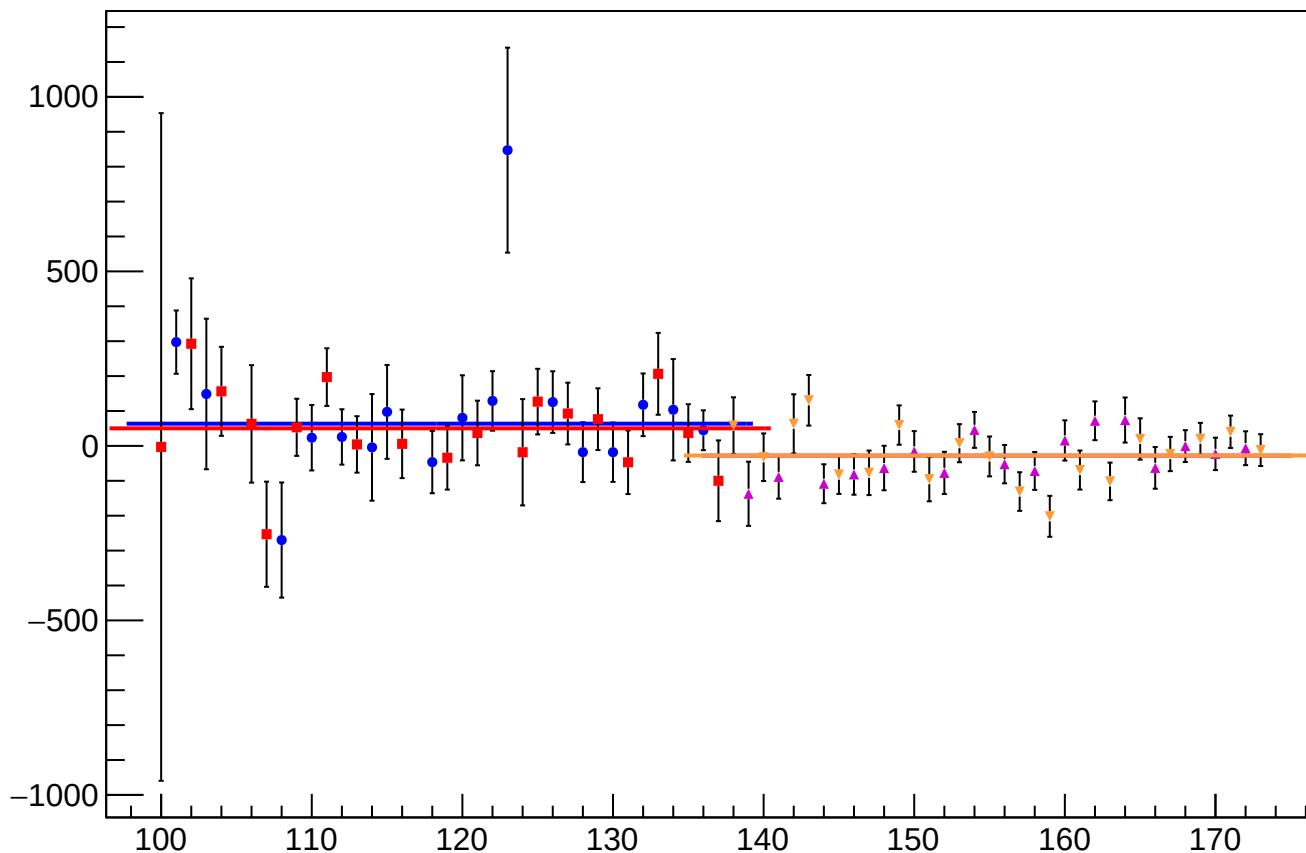
Right: 2361.583 $\pm$ 0.463 χ^2 /NDF: 1496334.9/35

In: 1724.021 $\pm$ 0.281 χ^2 /NDF: 1932365.0/33

Out: 1721.454 $\pm$ 0.271 χ^2 /NDF: 2346135.5/37

All: 1722.694 $\pm$ 0.195 χ^2 /NDF: 4278543.7/71

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 $\pm$ 23.743 χ^2 /NDF: 23.7/16

Left Out: -27.479 $\pm$ 13.040 χ^2 /NDF:31.3/18

Right Out: 50.278 $\pm$ 23.661 χ^2 /NDF: 16.8/18

Left In: -27.825 $\pm$ 13.651 χ^2 /NDF:16.4/16

Left: -27.644 $\pm$ 9.429 χ^2 /NDF: 47.7/35

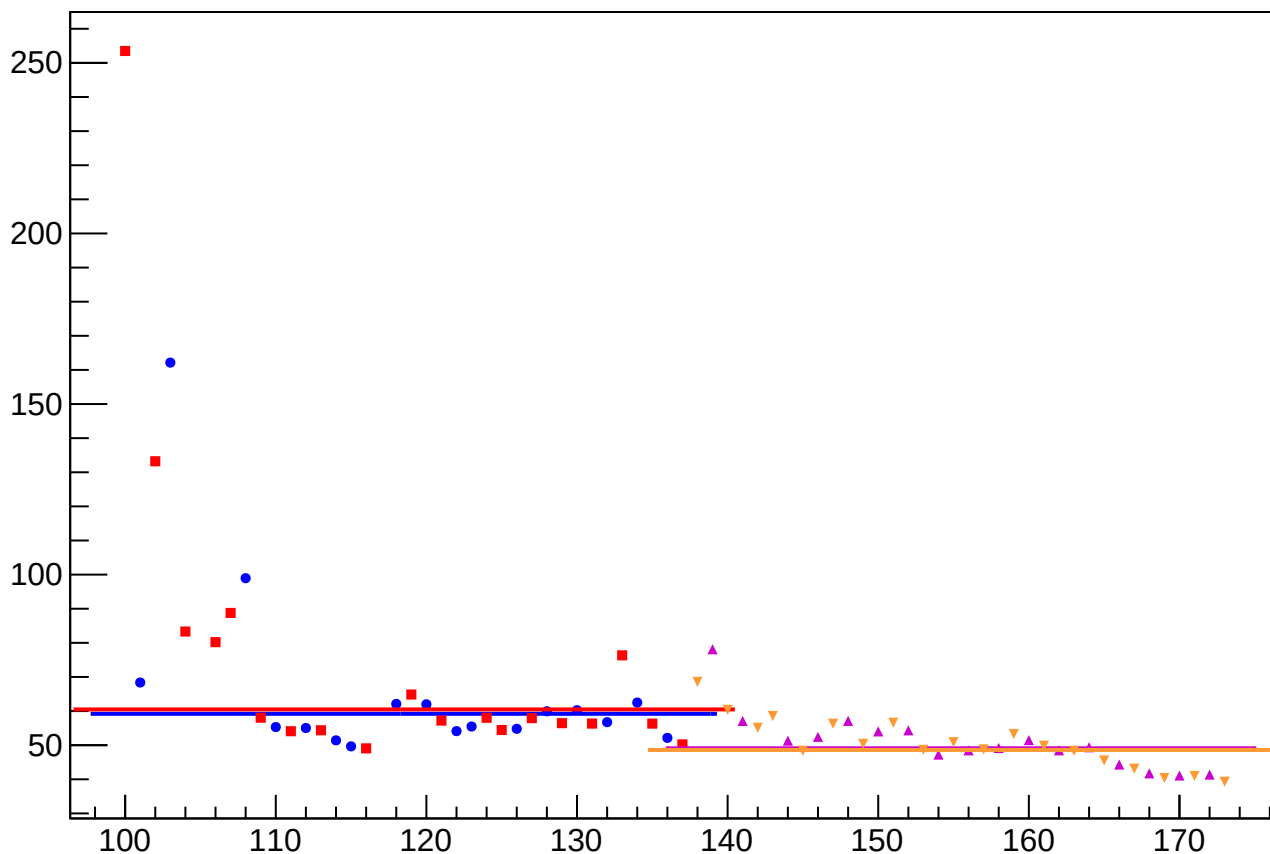
Right: 56.949 $\pm$ 16.760 χ^2 /NDF: 40.6/35

In: -5.094 $\pm$ 11.834 χ^2 /NDF:51.3/33

Out: -9.364 $\pm$ 11.420 χ^2 /NDF:56.4/37

All: -7.305 $\pm$ 8.218 χ^2 /NDF: 107.7/71

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 59.200 $\pm$ 0.017 χ^2 /NDF: 665472.4/16

Left Out: 48.604 $\pm$ 0.009 χ^2 /NDF: 541981.0/18

Right Out: 60.483 $\pm$ 0.017 χ^2 /NDF: 680059.5/18

Left In: 49.086 $\pm$ 0.010 χ^2 /NDF: 484223.5/16

Left: 48.834 $\pm$ 0.007 χ^2 /NDF: 1027508.7/35

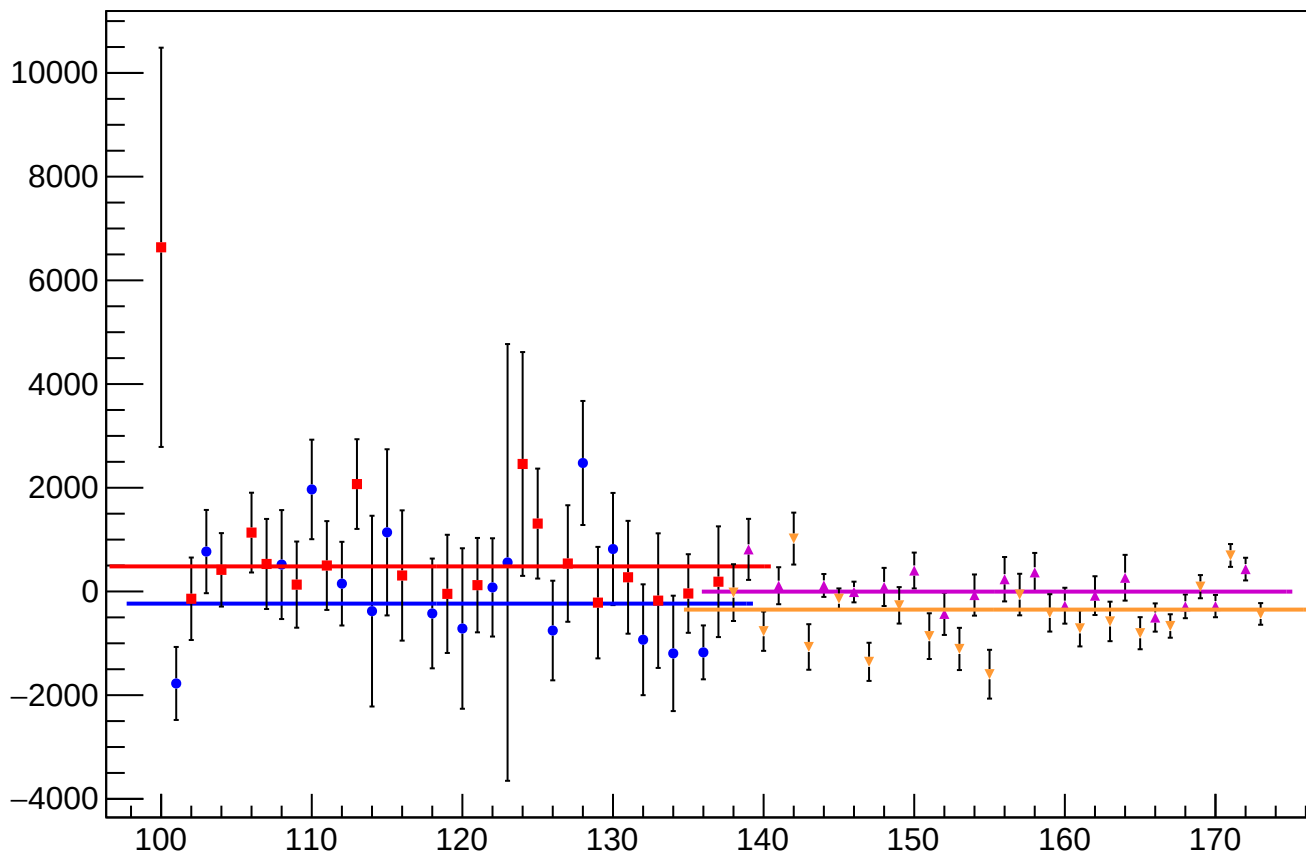
Right: 59.844 $\pm$ 0.012 χ^2 /NDF: 1348461.0/35

In: 51.599 $\pm$ 0.008 χ^2 /NDF: 1422485.8/33

Out: 51.371 $\pm$ 0.008 χ^2 /NDF: 1608729.1/37

All: 51.481 $\pm$ 0.006 χ^2 /NDF: 3031597.5/71

asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 ± 233.880 $\chi^2/\text{NDF}: 24.2/16$

Left Out: -349.888 ± 70.924 $\chi^2/\text{NDF}: 64.9/18$

Right Out: 483.305 ± 222.314 $\chi^2/\text{NDF}: 10.6/18$

Left In: -3.138 ± 72.014 $\chi^2/\text{NDF}: 17.7/16$

Left: -179.155 ± 50.532 $\chi^2/\text{NDF}: 94.4/35$

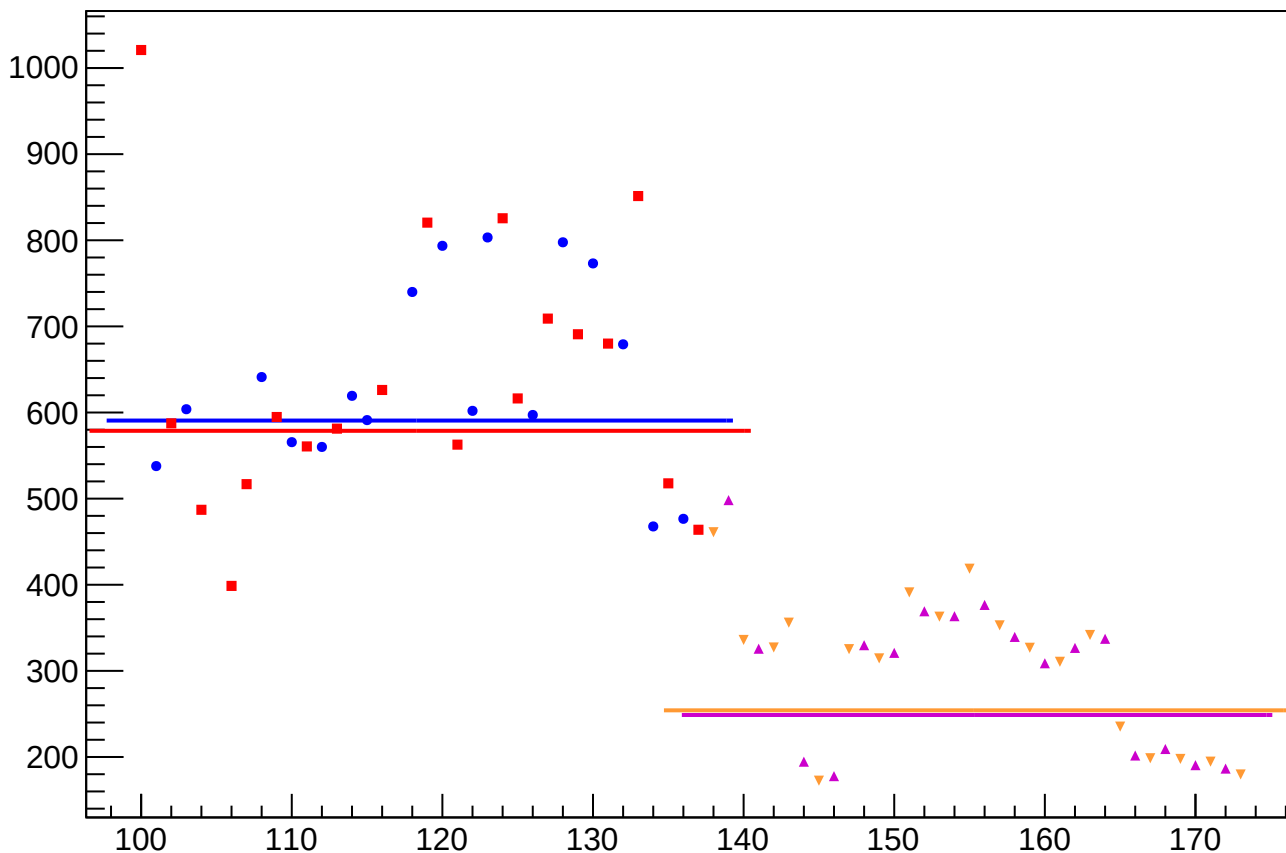
Right: 142.594 ± 161.133 $\chi^2/\text{NDF}: 39.7/35$

In: -23.172 ± 68.825 $\chi^2/\text{NDF}: 42.8/33$

Out: -272.920 ± 67.569 $\chi^2/\text{NDF}: 88.2/37$

All: -150.346 ± 48.216 $\chi^2/\text{NDF}: 137.8/71$

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659 $\pm$ 0.165 χ^2 /NDF: 352080.1/16

Left Out: 254.175 $\pm$ 0.050 χ^2 /NDF: 2599540.5/18

Right Out: 578.753 $\pm$ 0.157 χ^2 /NDF: 493962.7/18

Left In: 248.773 $\pm$ 0.051 χ^2 /NDF: 2304108.2/16

Left: 251.515 $\pm$ 0.036 χ^2 /NDF: 4909361.3/35

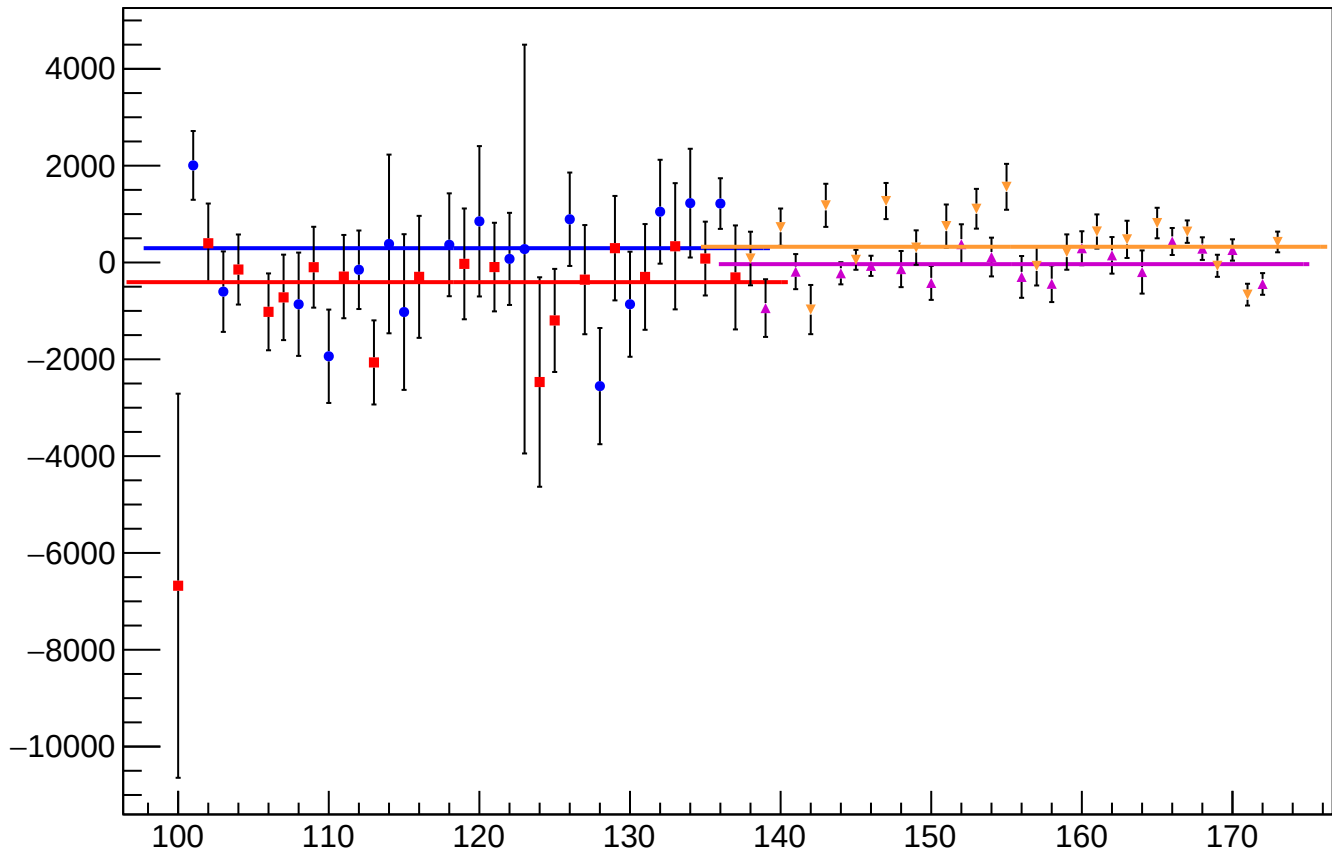
Right: 584.404 $\pm$ 0.114 χ^2 /NDF: 848765.8/35

In: 278.380 $\pm$ 0.049 χ^2 /NDF: 6559822.8/33

Out: 284.158 $\pm$ 0.048 χ^2 /NDF: 6962874.8/37

All: 281.322 $\pm$ 0.034 χ^2 /NDF: 13529877.4/73

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 $\pm$ 235.860 χ^2 /NDF: 26.1/16

Left Out: 324.713 $\pm$ 72.365 χ^2 /NDF:59.8/18

Right Out: -406.158 $\pm$ 224.855 χ^2 /NDF: 11.0/18

Left In: -34.222 $\pm$ 73.668 χ^2 /NDF:18.2/16

Left: 148.449 $\pm$ 51.625 χ^2 /NDF: 90.1/35

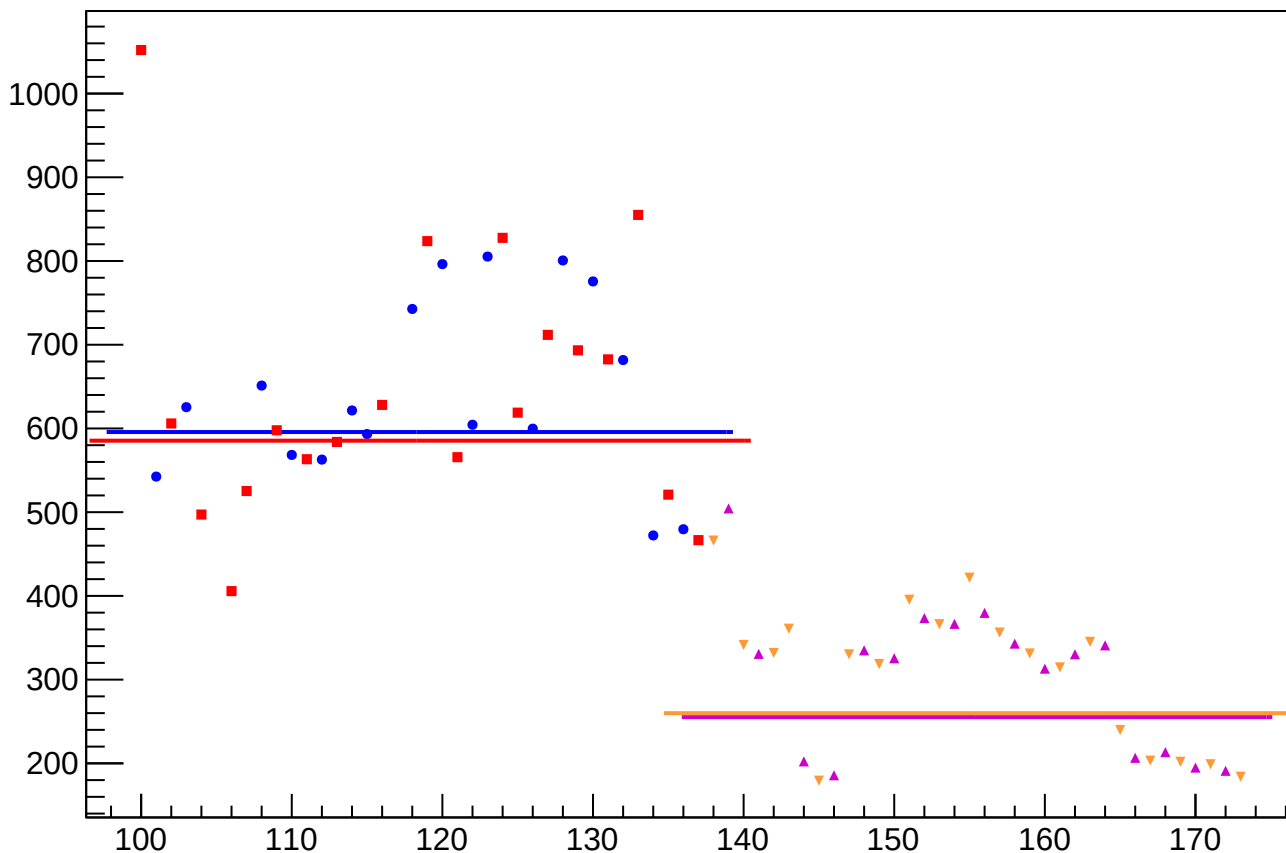
Right: -72.128 $\pm$ 162.748 χ^2 /NDF: 41.7/35

In: -4.924 $\pm$ 70.318 χ^2 /NDF:46.1/33

Out: 256.118 $\pm$ 68.886 χ^2 /NDF:80.3/37

All: 128.283 $\pm$ 49.208 χ^2 /NDF: 133.4/71

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2 /NDF: 350058.2/16

Left Out: 259.933 $\pm$ 0.051 χ^2 /NDF:2486288.7/18

Right Out: 585.421 $\pm$ 0.159 χ^2 /NDF: 474472.3/18

Left In: 255.245 $\pm$ 0.052 χ^2 /NDF:2177670.0/16

Left: 257.631 $\pm$ 0.037 χ^2 /NDF: 4668080.2/35

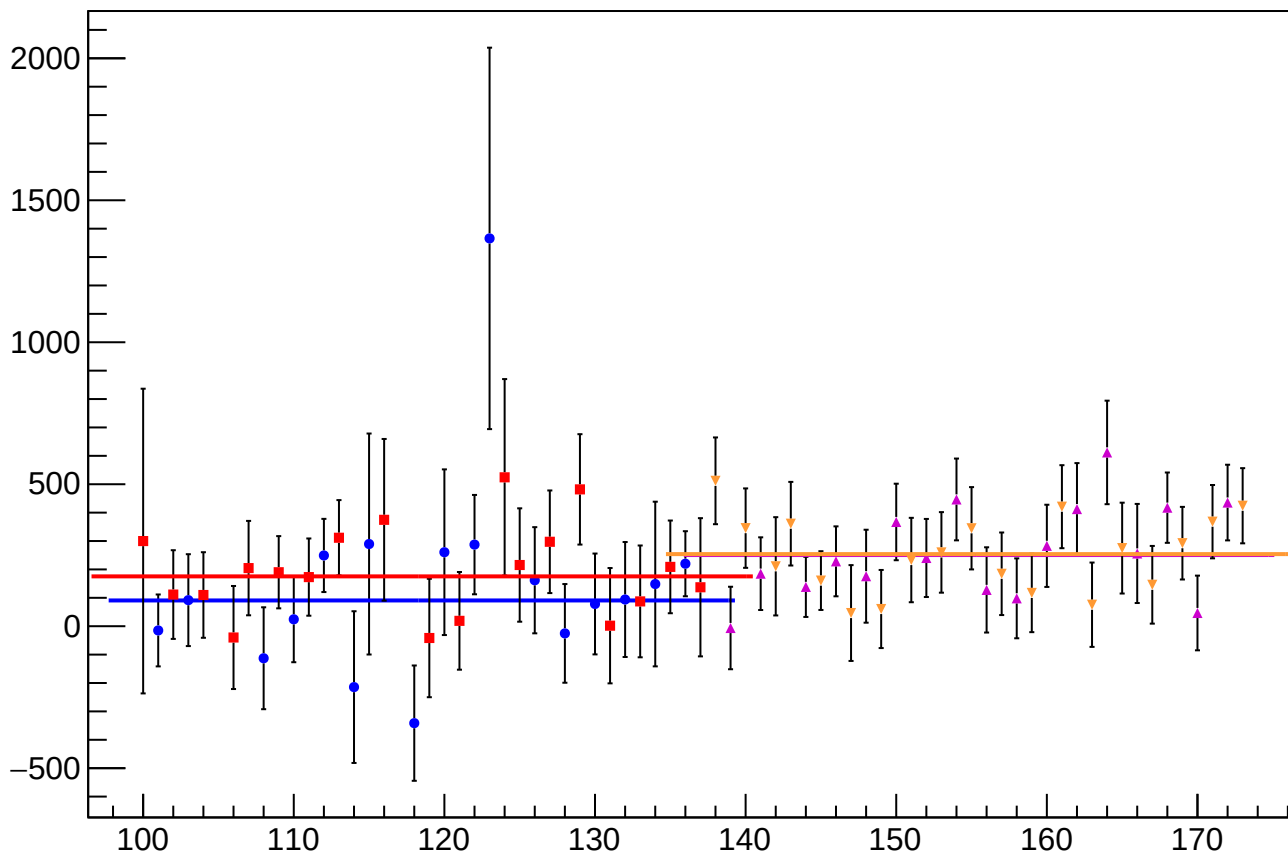
Right: 590.331 $\pm$ 0.115 χ^2 /NDF: 826533.5/35

In: 285.509 $\pm$ 0.050 χ^2 /NDF:6325239.4/33

Out: 290.481 $\pm$ 0.049 χ^2 /NDF:6758244.9/37

All: 288.046 $\pm$ 0.035 χ^2 /NDF: 13088586.6/73

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 253.912+/-32.274 χ^2/NDF :15.7/18

Right Out: 175.485+/-41.101 χ^2/NDF : 10.3/18

Left In: 250.632+/-33.707 χ^2/NDF :20.3/16

Left: 252.343+/-23.311 χ^2/NDF : 36.0/35

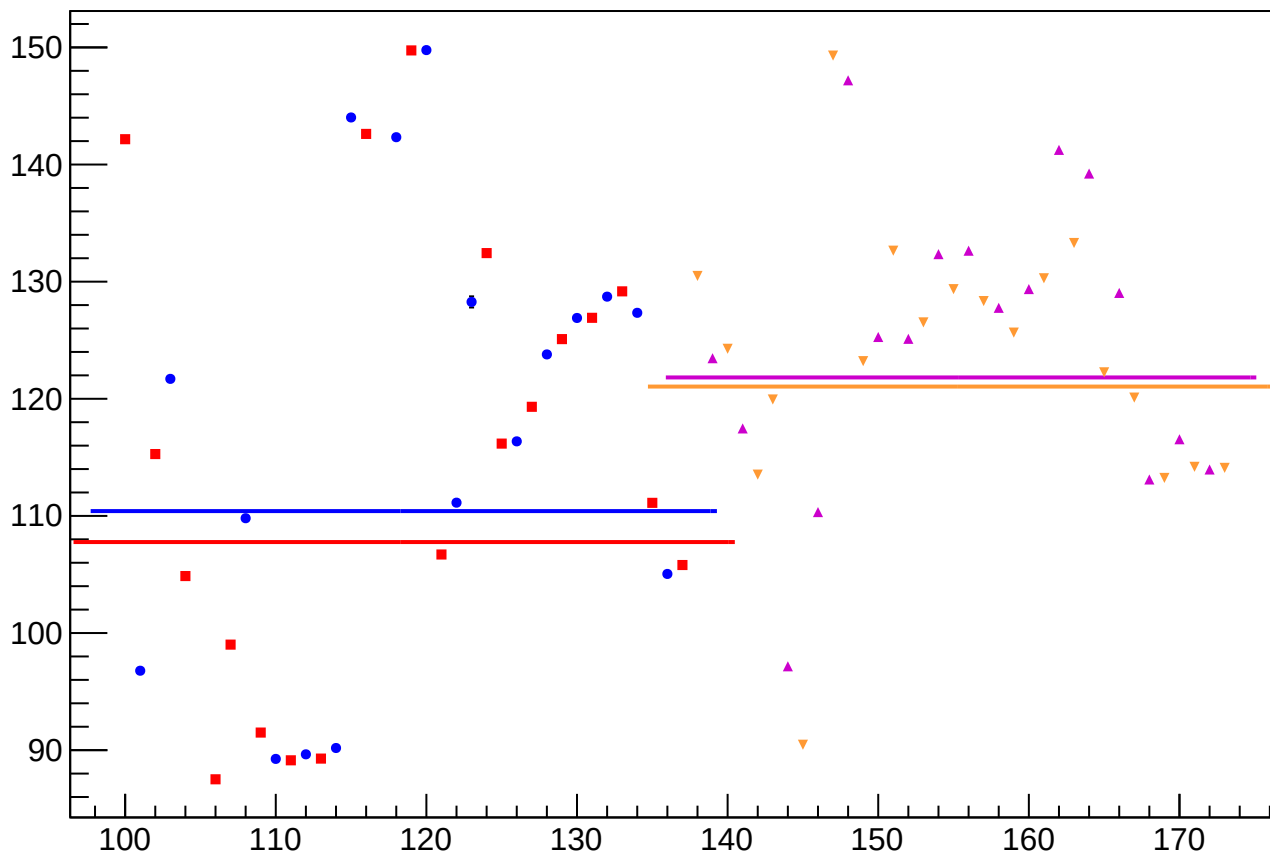
Right: 135.317+/-29.814 χ^2/NDF : 29.2/35

In: 190.311+/-26.601 χ^2/NDF :45.7/33

Out: 223.999+/-25.383 χ^2/NDF :28.3/37

All: 207.944+/-18.364 χ^2/NDF : 74.8/71

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 121.043 $\pm$ 0.023 χ^2 /NDF:313372.2/18

Right Out: 107.768 $\pm$ 0.029 χ^2 /NDF: 344441.4/18

Left In: 121.822 $\pm$ 0.024 χ^2 /NDF:279671.5/16

Left: 121.416 $\pm$ 0.016 χ^2 /NDF: 593600.8/35

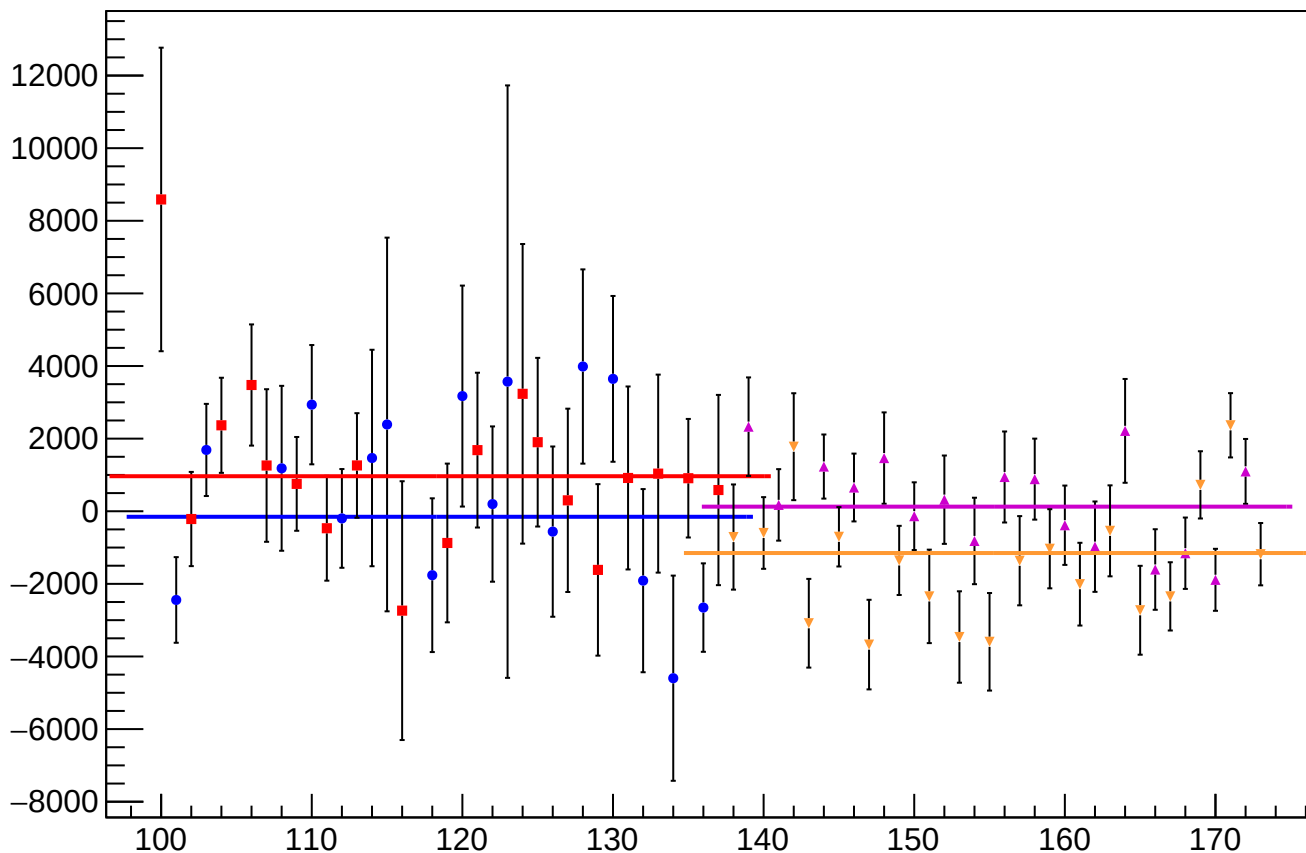
Right: 109.020 $\pm$ 0.021 χ^2 /NDF: 644787.1/35

In: 117.518 $\pm$ 0.019 χ^2 /NDF:662549.1/33

Out: 115.980 $\pm$ 0.018 χ^2 /NDF:786881.5/37

All: 116.713 $\pm$ 0.013 χ^2 /NDF: 1452931.0/71

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403 $\pm$ 464.753 χ^2 /NDF: 24.7/16

Left Out: -1150.676 $\pm$ 248.552 χ^2 /NDF:43.0/18

Right Out: 964.716 $\pm$ 435.111 χ^2 /NDF: 12.3/18

Left In: 126.664 $\pm$ 257.751 χ^2 /NDF:21.3/16

Left: -535.207 $\pm$ 178.917 χ^2 /NDF: 77.0/35

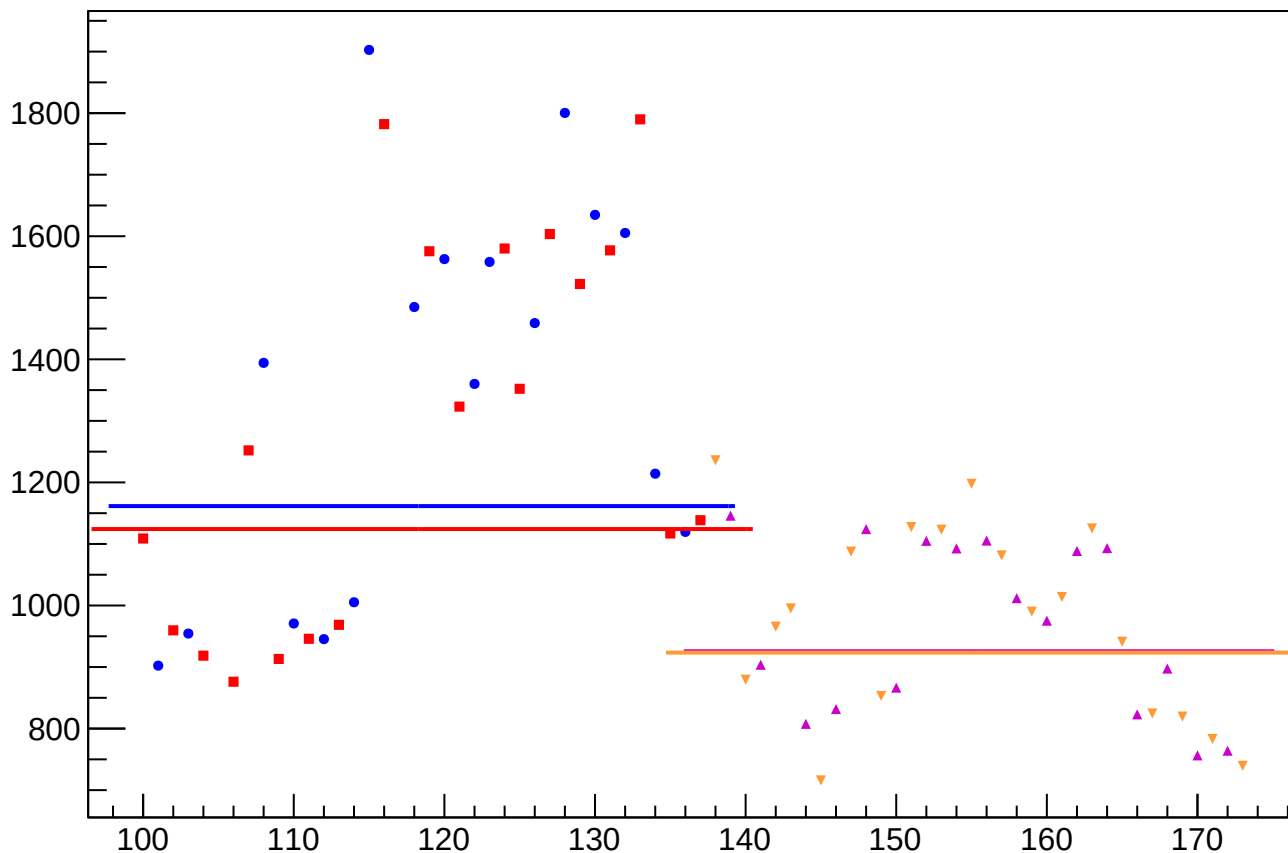
Right: 442.914 $\pm$ 317.632 χ^2 /NDF: 40.0/35

In: 61.020 $\pm$ 225.407 χ^2 /NDF:46.2/33

Out: -630.227 $\pm$ 215.821 χ^2 /NDF:73.1/37

All: -299.613 $\pm$ 155.887 χ^2 /NDF: 124.2/71

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 923.485+/-0.176 χ^2/NDF : 759703.3/18

Right Out: 1124.235+/-0.308 χ^2/NDF : 767790.0/18

Left In: 925.697+/-0.182 χ^2/NDF : 532058.0/16

Left: 924.551+/-0.127 χ^2/NDF : 1291837.6/35

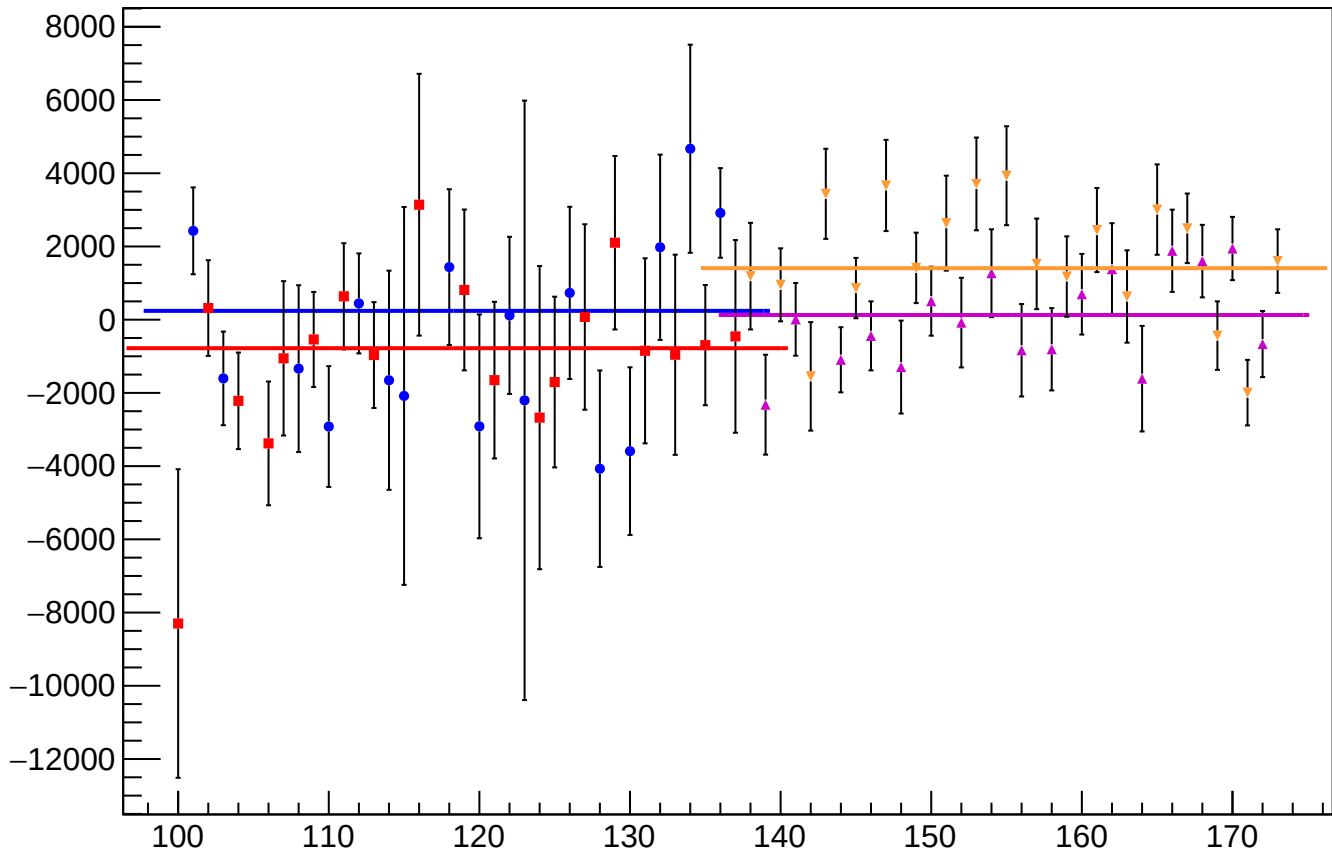
Right: 1141.655+/-0.225 χ^2/NDF : 1470560.5/35

In: 981.171+/-0.159 χ^2/NDF : 1621813.9/33

Out: 972.875+/-0.153 χ^2/NDF : 1848484.9/37

All: 976.843+/-0.110 χ^2/NDF : 3471712.2/71

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2/NDF : 24.8/16

Left Out: 1407.015 $\pm$ 250.771 χ^2/NDF : 40.9/18

Right Out: -779.192 $\pm$ 437.487 χ^2/NDF : 12.3/18

Left In: 128.200 $\pm$ 260.076 χ^2/NDF : 21.7/16

Left: 790.894 $\pm$ 180.522 χ^2/NDF : 75.1/35

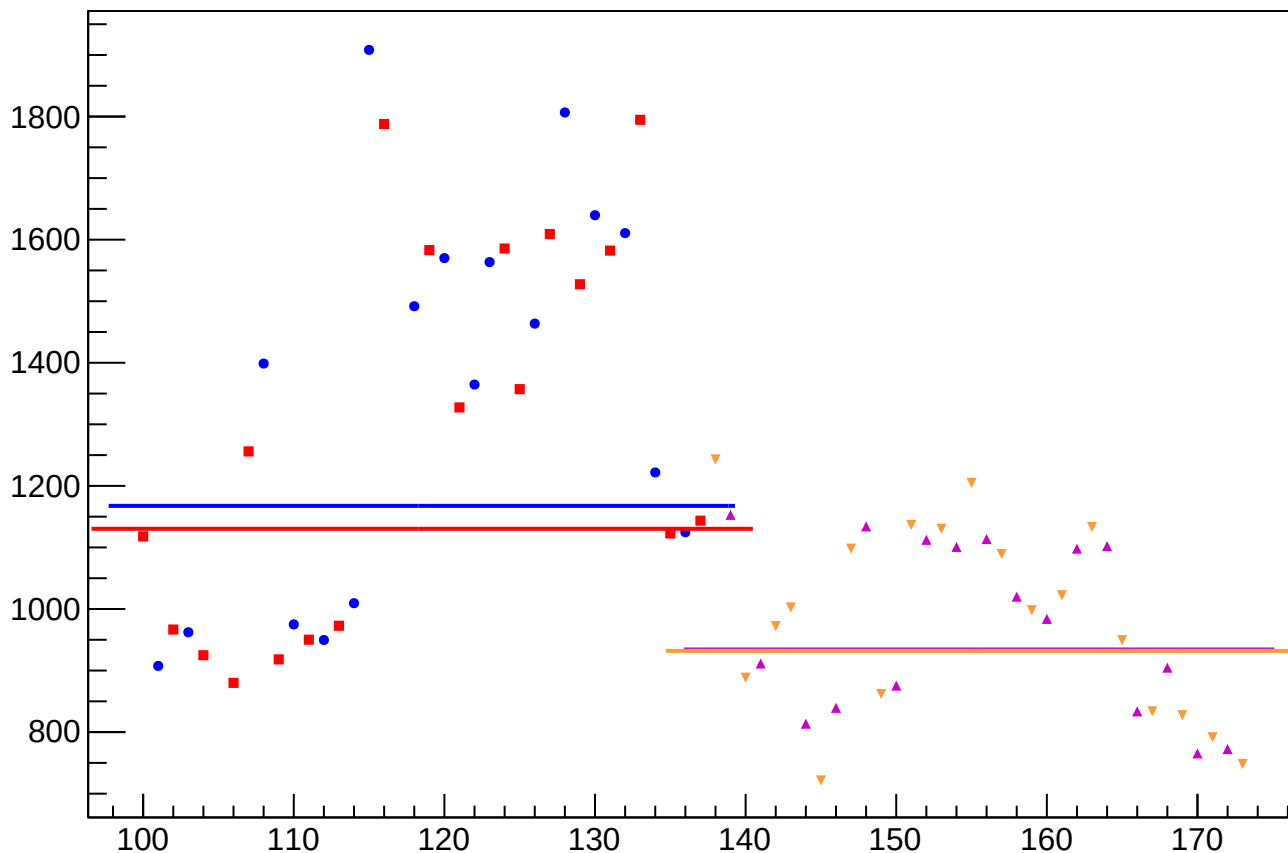
Right: -302.513 $\pm$ 319.286 χ^2/NDF : 39.7/35

In: 154.836 $\pm$ 227.221 χ^2/NDF : 46.5/33

Out: 866.346 $\pm$ 217.563 χ^2/NDF : 72.1/37

All: 526.033 $\pm$ 157.144 χ^2/NDF : 123.7/71

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 931.983 $\pm$ 0.177 χ^2 /NDF: 748253.3/18

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

Left In: 934.259 $\pm$ 0.184 χ^2 /NDF: 523272.5/16

Left: 933.079 $\pm$ 0.128 χ^2 /NDF: 1271605.2/35

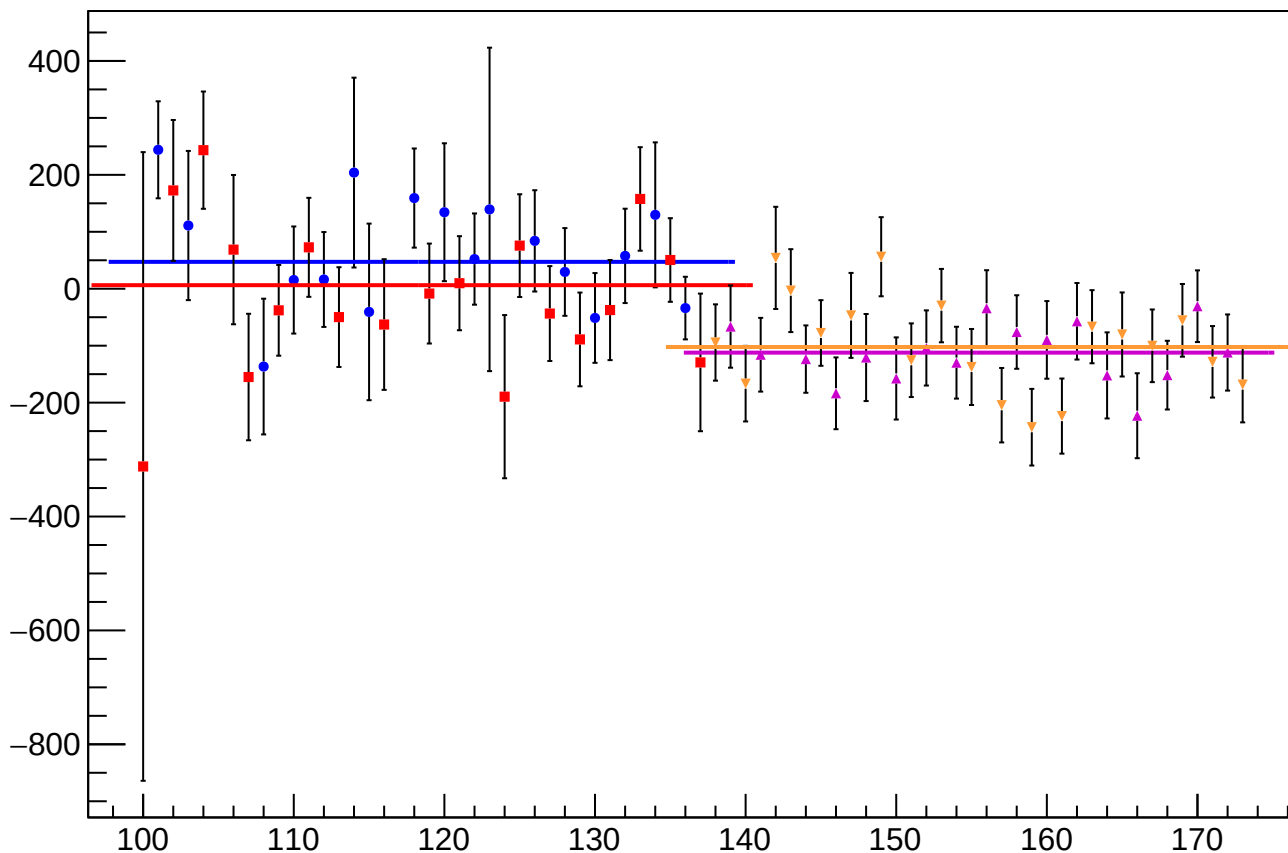
Right: 1147.705 $\pm$ 0.226 χ^2 /NDF: 1458761.3/35

In: 989.476 $\pm$ 0.161 χ^2 /NDF: 1594629.7/33

Out: 981.029 $\pm$ 0.154 χ^2 /NDF: 1819100.2/37

All: 985.069 $\pm$ 0.111 χ^2 /NDF: 3415172.1/71

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 47.220 ± 22.565 $\chi^2/\text{NDF}: 16.1/16$

Left Out: -102.351 ± 15.360 $\chi^2/\text{NDF}: 25.8/18$

Right Out: 6.246 ± 22.128 $\chi^2/\text{NDF}: 20.3/18$

Left In: -112.210 ± 16.184 $\chi^2/\text{NDF}: 9.3/16$

Left: -107.023 ± 11.141 $\chi^2/\text{NDF}: 35.2/35$

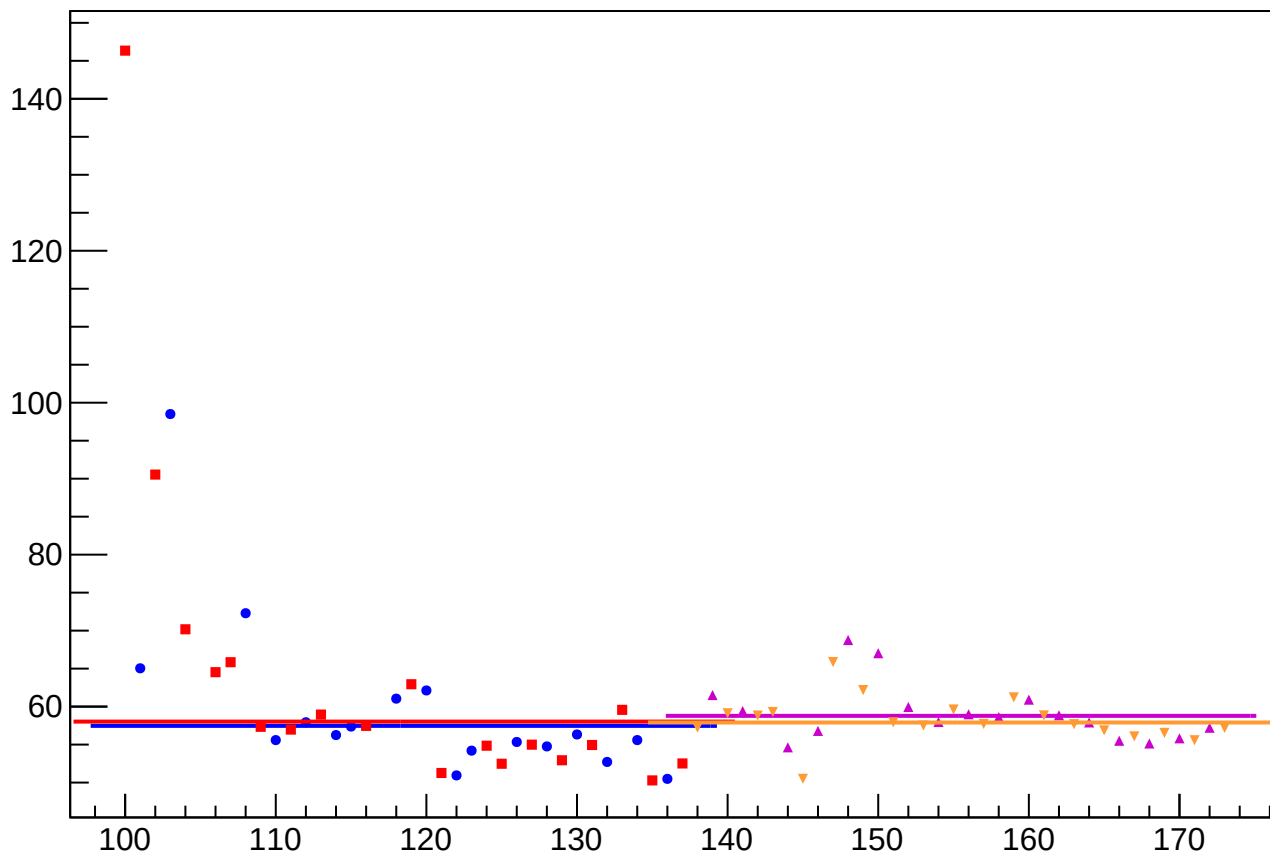
Right: 26.333 ± 15.799 $\chi^2/\text{NDF}: 38.1/35$

In: -58.055 ± 13.151 $\chi^2/\text{NDF}: 58.3/33$

Out: -67.038 ± 12.618 $\chi^2/\text{NDF}: 62.3/37$

All: -62.733 ± 9.105 $\chi^2/\text{NDF}: 120.9/71$

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465 $\pm$ 0.016 χ^2 /NDF: 307156.4/16

Left Out: 57.907 $\pm$ 0.011 χ^2 /NDF: 77837.2/18

Right Out: 58.027 $\pm$ 0.016 χ^2 /NDF: 300788.2/18

Left In: 58.783 $\pm$ 0.011 χ^2 /NDF: 94920.7/16

Left: 58.322 $\pm$ 0.008 χ^2 /NDF: 175840.2/35

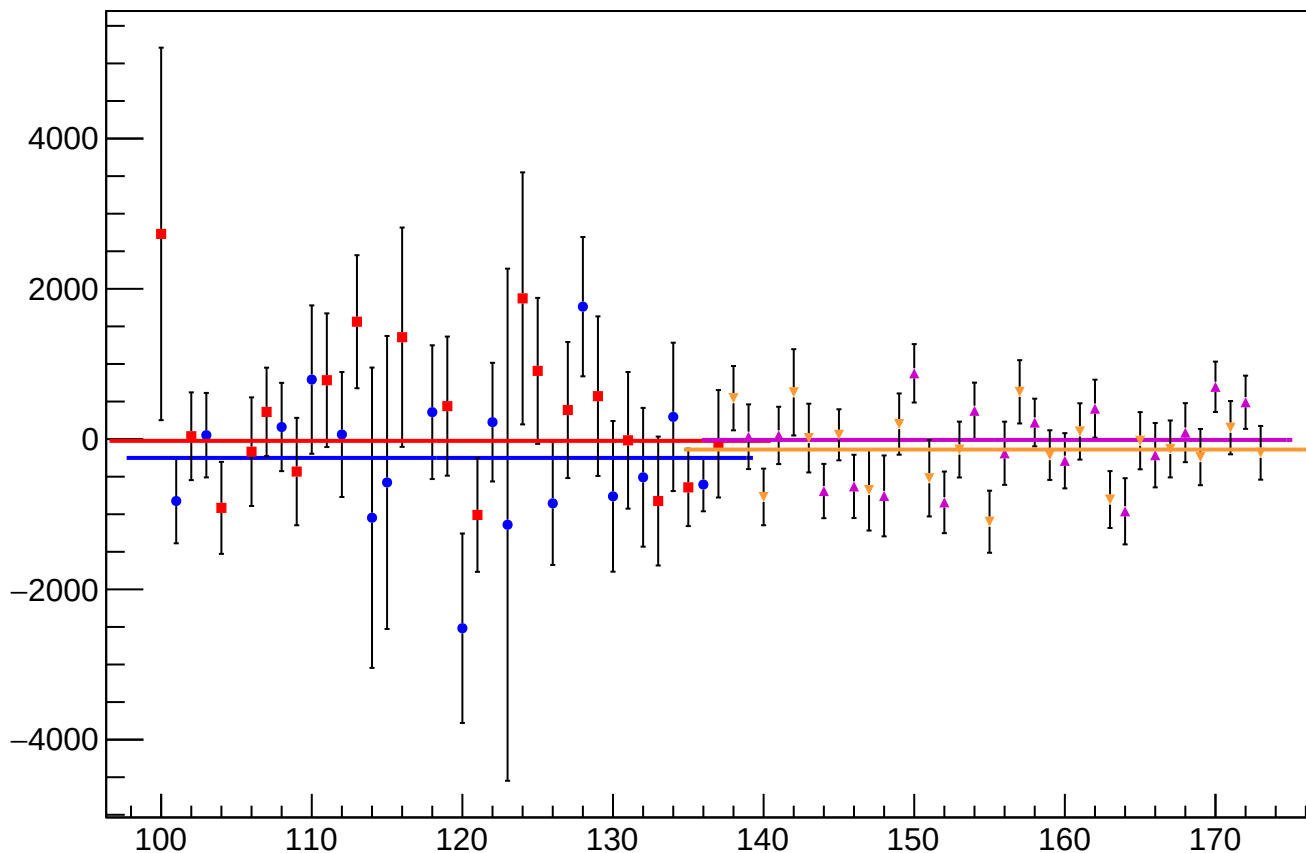
Right: 57.752 $\pm$ 0.011 χ^2 /NDF: 608576.3/35

In: 58.335 $\pm$ 0.009 χ^2 /NDF: 406578.3/33

Out: 57.946 $\pm$ 0.009 χ^2 /NDF: 378665.2/37

All: 58.133 $\pm$ 0.006 χ^2 /NDF: 786156.4/71

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.140 $\pm$ 184.092 χ^2 /NDF: 14.3/16

Left Out: -139.277 $\pm$ 90.870 χ^2 /NDF:23.0/18

Right Out: -23.314 $\pm$ 181.834 χ^2 /NDF: 16.1/18

Left In: -10.871 $\pm$ 94.341 χ^2 /NDF:31.9/16

Left: -77.480 $\pm$ 65.447 χ^2 /NDF: 55.8/35

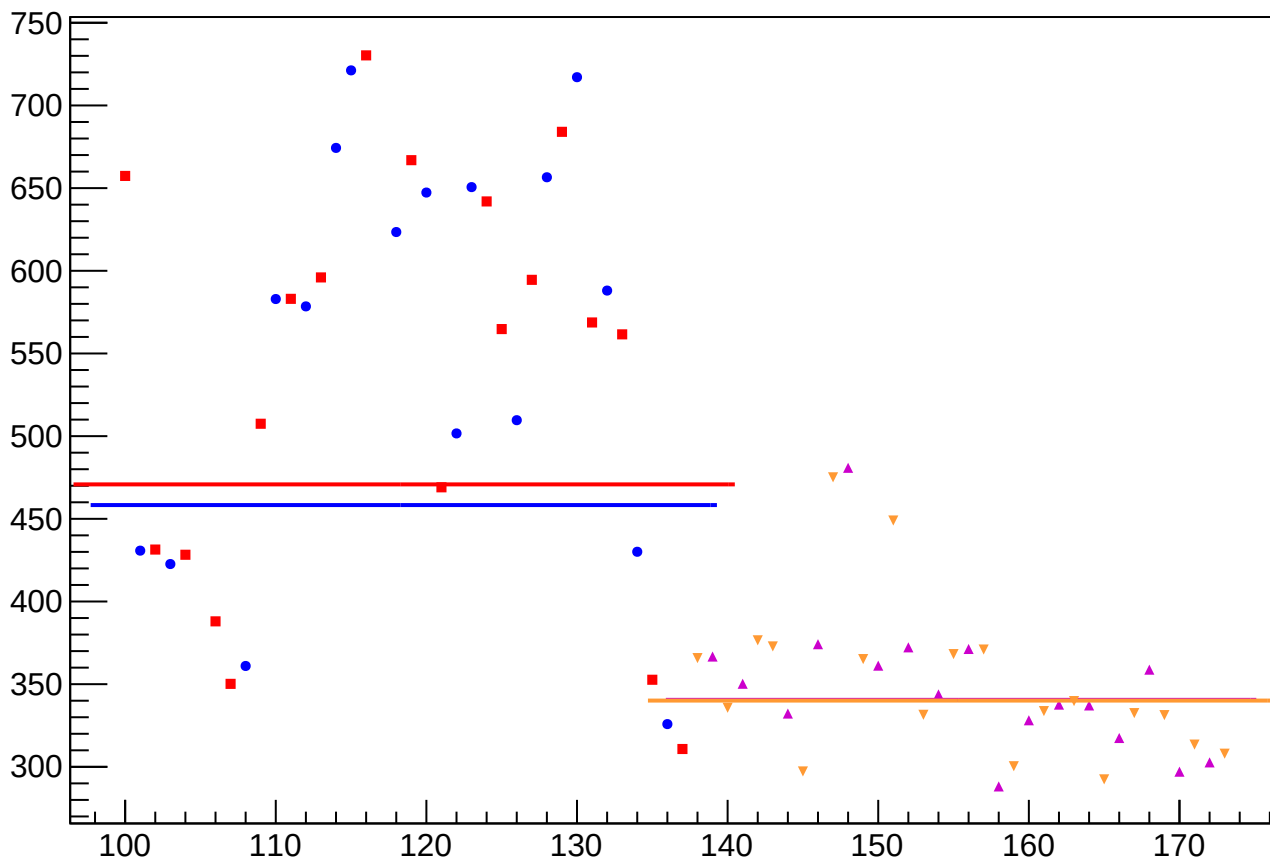
Right: -135.327 $\pm$ 129.367 χ^2 /NDF: 31.1/35

In: -60.639 $\pm$ 83.958 χ^2 /NDF:47.5/33

Out: -116.103 $\pm$ 81.285 χ^2 /NDF:39.4/37

All: -89.268 $\pm$ 58.399 χ^2 /NDF: 87.1/71

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324 $\pm$ 0.130 χ^2 /NDF: 877201.7/16

Left Out: 340.084 $\pm$ 0.064 χ^2 /NDF: 393658.1/18

Right Out: 470.827 $\pm$ 0.129 χ^2 /NDF: 778635.2/18

Left In: 340.519 $\pm$ 0.067 χ^2 /NDF: 310339.6/16

Left: 340.293 $\pm$ 0.046 χ^2 /NDF: 704019.7/35

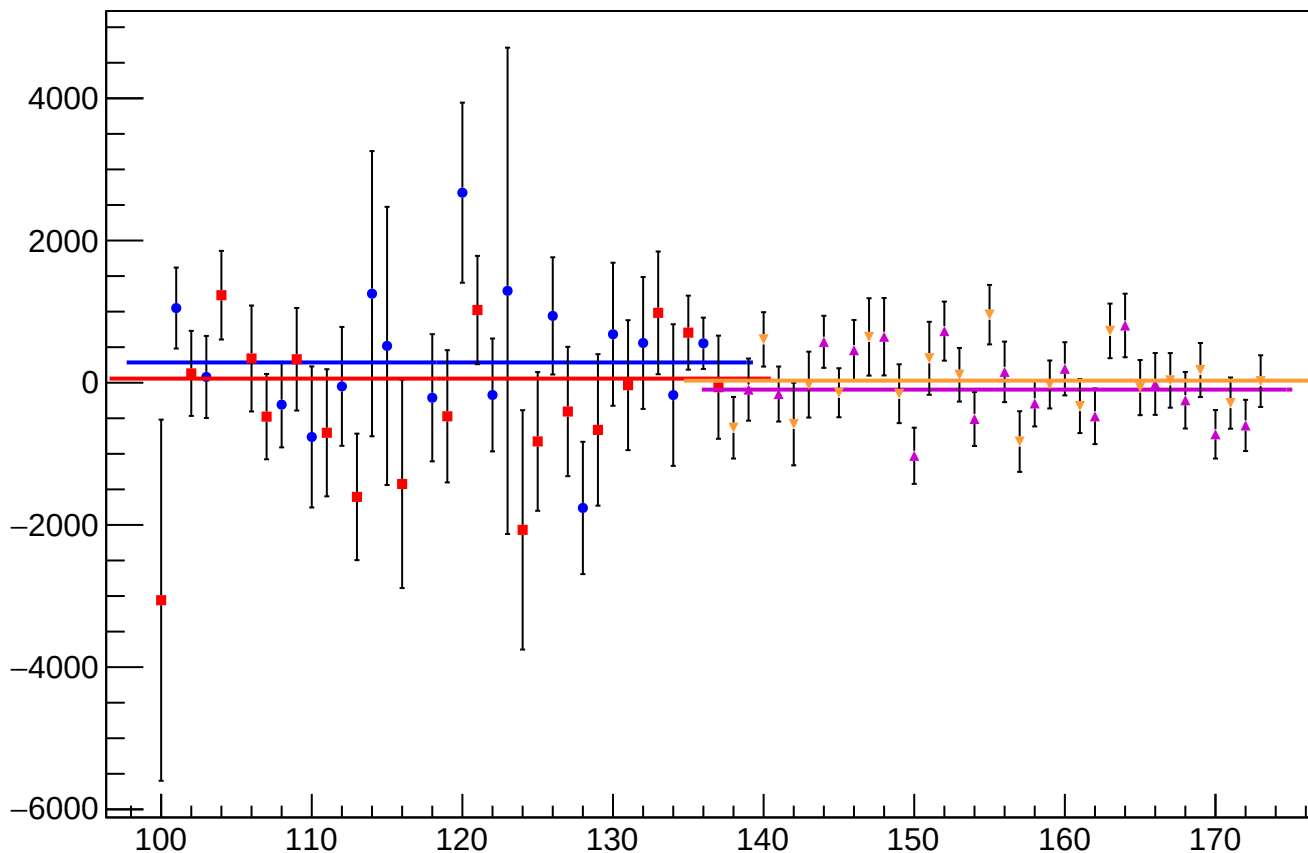
Right: 464.653 $\pm$ 0.091 χ^2 /NDF: 1660506.8/35

In: 365.022 $\pm$ 0.059 χ^2 /NDF: 1836203.5/33

Out: 366.211 $\pm$ 0.057 χ^2 /NDF: 1999661.4/37

All: 365.636 $\pm$ 0.041 χ^2 /NDF: 3836071.9/71

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349 ± 186.262 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 29.598 ± 92.227 $\chi^2/\text{NDF}: 22.1/18$

Right Out: 58.001 ± 184.074 $\chi^2/\text{NDF}: 19.2/18$

Left In: -96.617 ± 95.781 $\chi^2/\text{NDF}: 29.4/16$

Left: -31.124 ± 66.435 $\chi^2/\text{NDF}: 52.4/35$

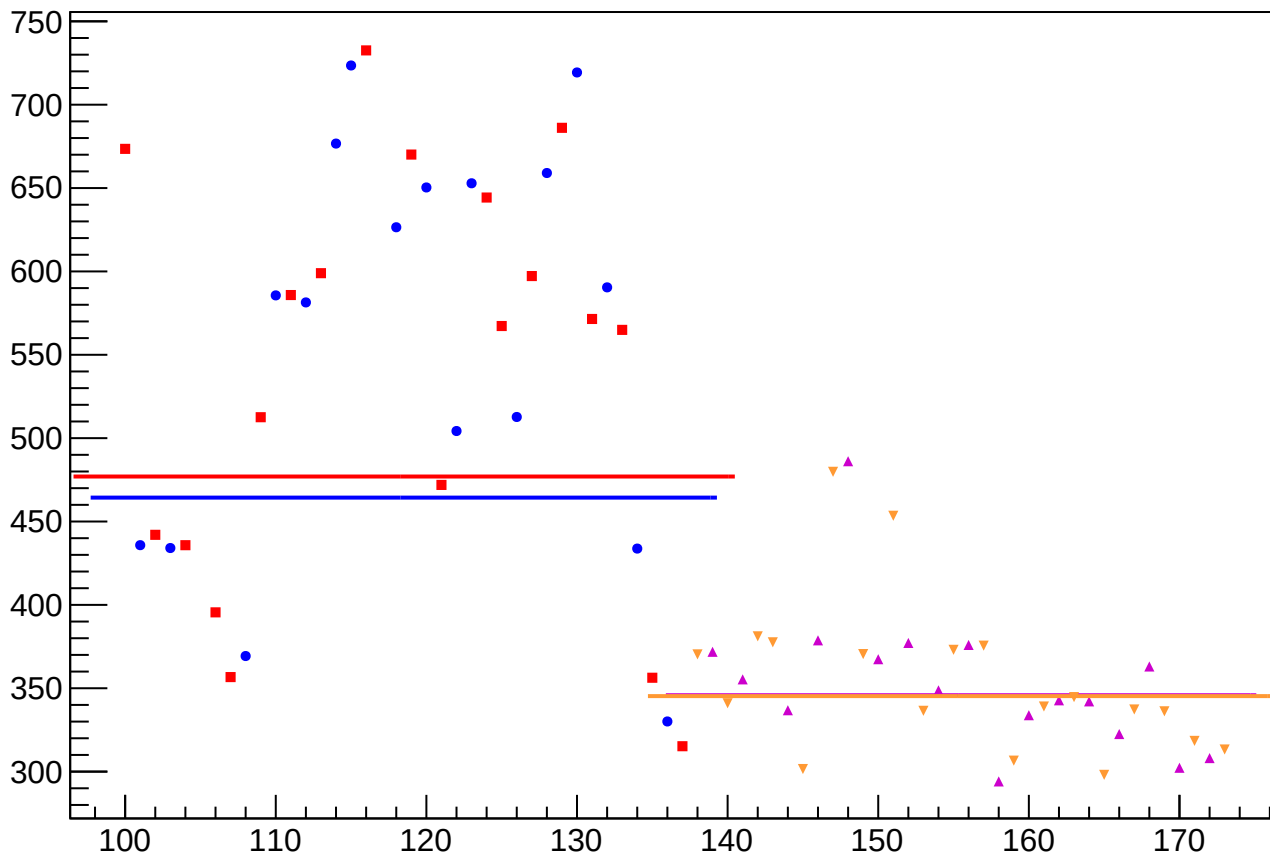
Right: 170.332 ± 130.927 $\chi^2/\text{NDF}: 35.1/35$

In: -16.736 ± 85.179 $\chi^2/\text{NDF}: 47.9/33$

Out: 35.298 ± 82.456 $\chi^2/\text{NDF}: 41.3/37$

All: 10.126 ± 59.245 $\chi^2/\text{NDF}: 89.4/71$

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 345.280 $\pm$ 0.065 χ^2 /NDF: 380085.9/18

Right Out: 476.989 $\pm$ 0.130 χ^2 /NDF: 749331.1/18

Left In: 345.827 $\pm$ 0.068 χ^2 /NDF: 299134.8/16

Left: 345.543 $\pm$ 0.047 χ^2 /NDF: 679254.5/35

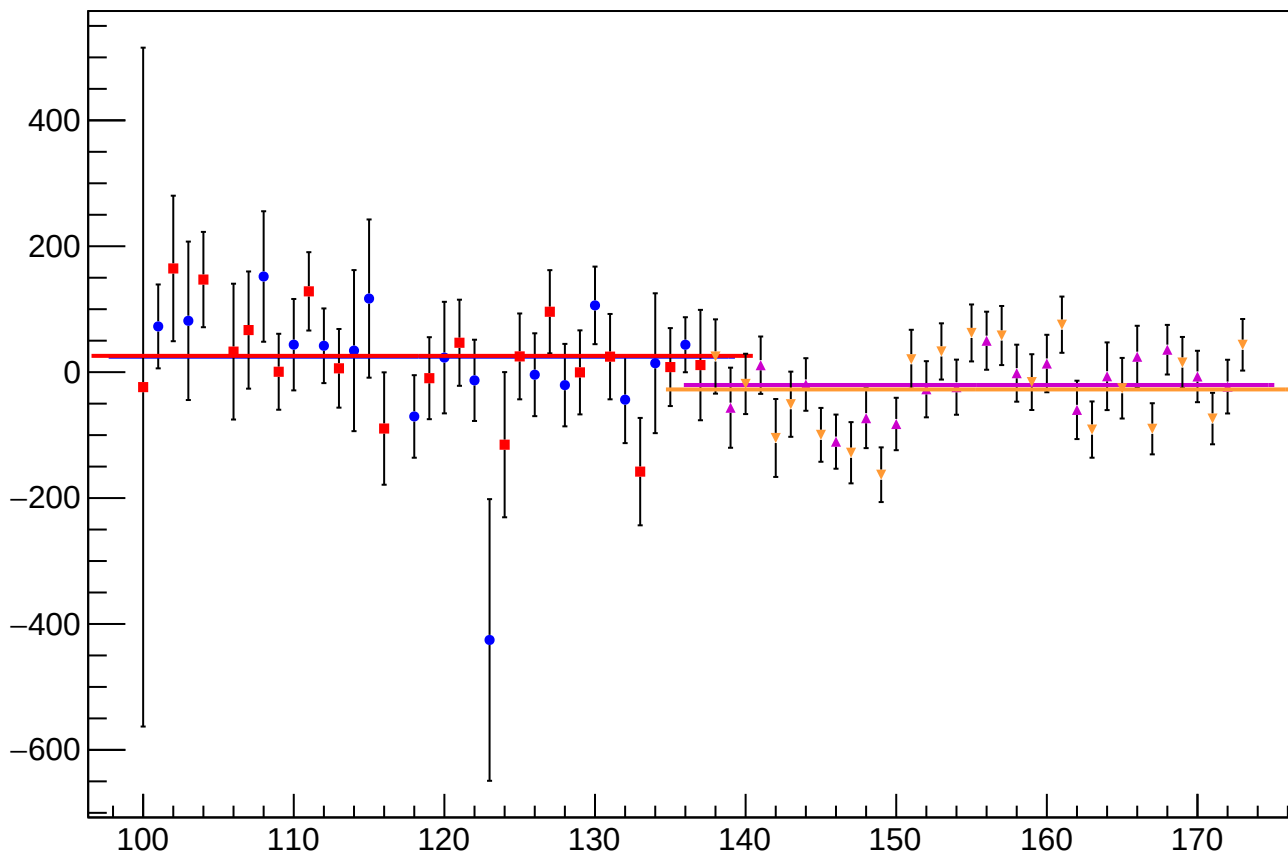
Right: 470.740 $\pm$ 0.093 χ^2 /NDF: 1599897.5/35

In: 370.612 $\pm$ 0.060 χ^2 /NDF: 1785397.3/33

Out: 371.709 $\pm$ 0.058 χ^2 /NDF: 1947894.9/37

All: 371.178 $\pm$ 0.042 χ^2 /NDF: 3733463.5/71

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584 $\pm$ 17.839 χ^2 /NDF: 13.0/16

Left Out: -27.452 $\pm$ 10.481 χ^2 /NDF:44.7/18

Right Out: 25.884 $\pm$ 17.386 χ^2 /NDF: 16.8/18

Left In: -20.377 $\pm$ 10.949 χ^2 /NDF:15.5/16

Left: -24.069 $\pm$ 7.571 χ^2 /NDF: 60.4/35

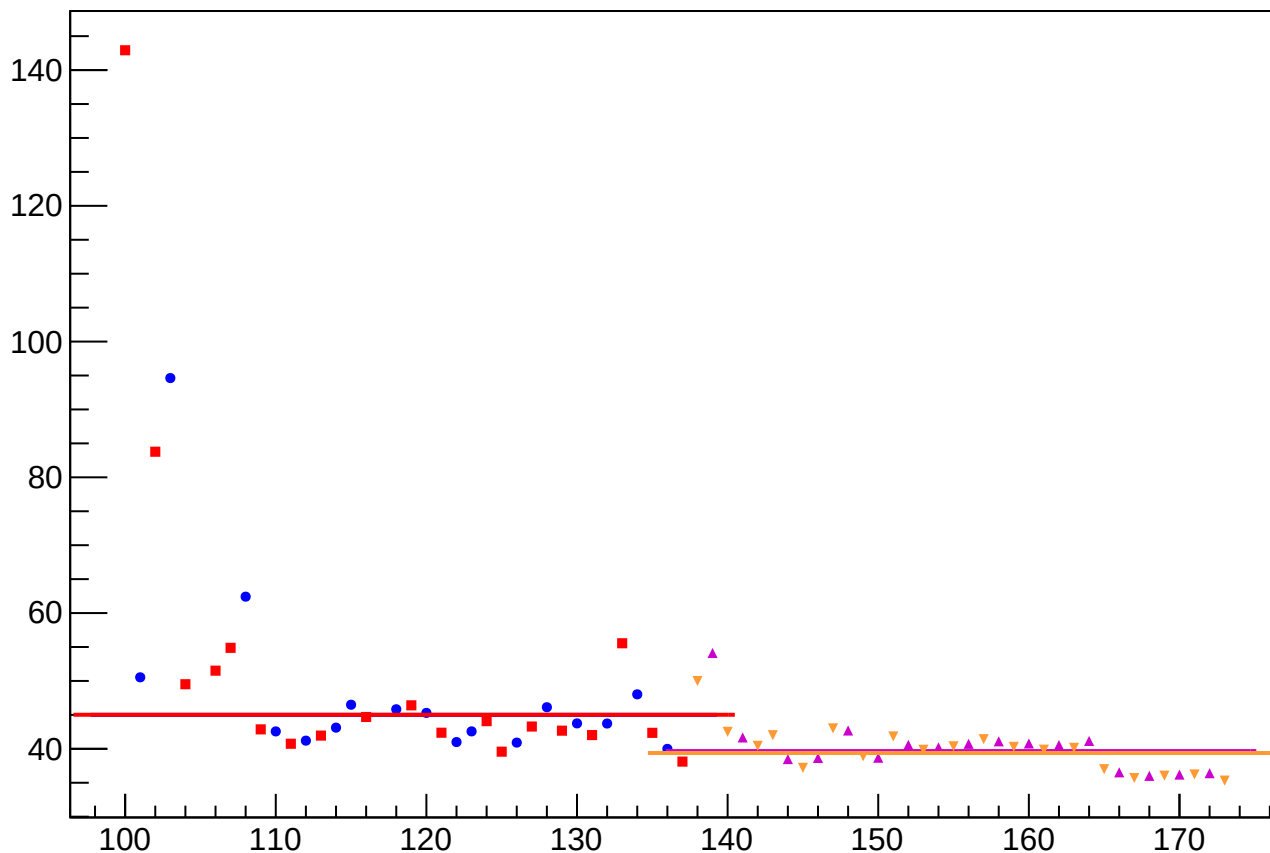
Right: 25.251 $\pm$ 12.451 χ^2 /NDF: 29.8/35

In: -8.074 $\pm$ 9.331 χ^2 /NDF:33.1/33

Out: -13.236 $\pm$ 8.976 χ^2 /NDF:68.4/37

All: -10.755 $\pm$ 6.469 χ^2 /NDF: 101.7/71

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001+/-0.013 χ^2/NDF : 438352.8/16

Left Out: 39.383+/-0.007 χ^2/NDF : 174005.4/18

Right Out: 45.017+/-0.012 χ^2/NDF : 415509.0/18

Left In: 39.667+/-0.008 χ^2/NDF : 178135.8/16

Left: 39.519+/-0.005 χ^2/NDF : 352844.7/35

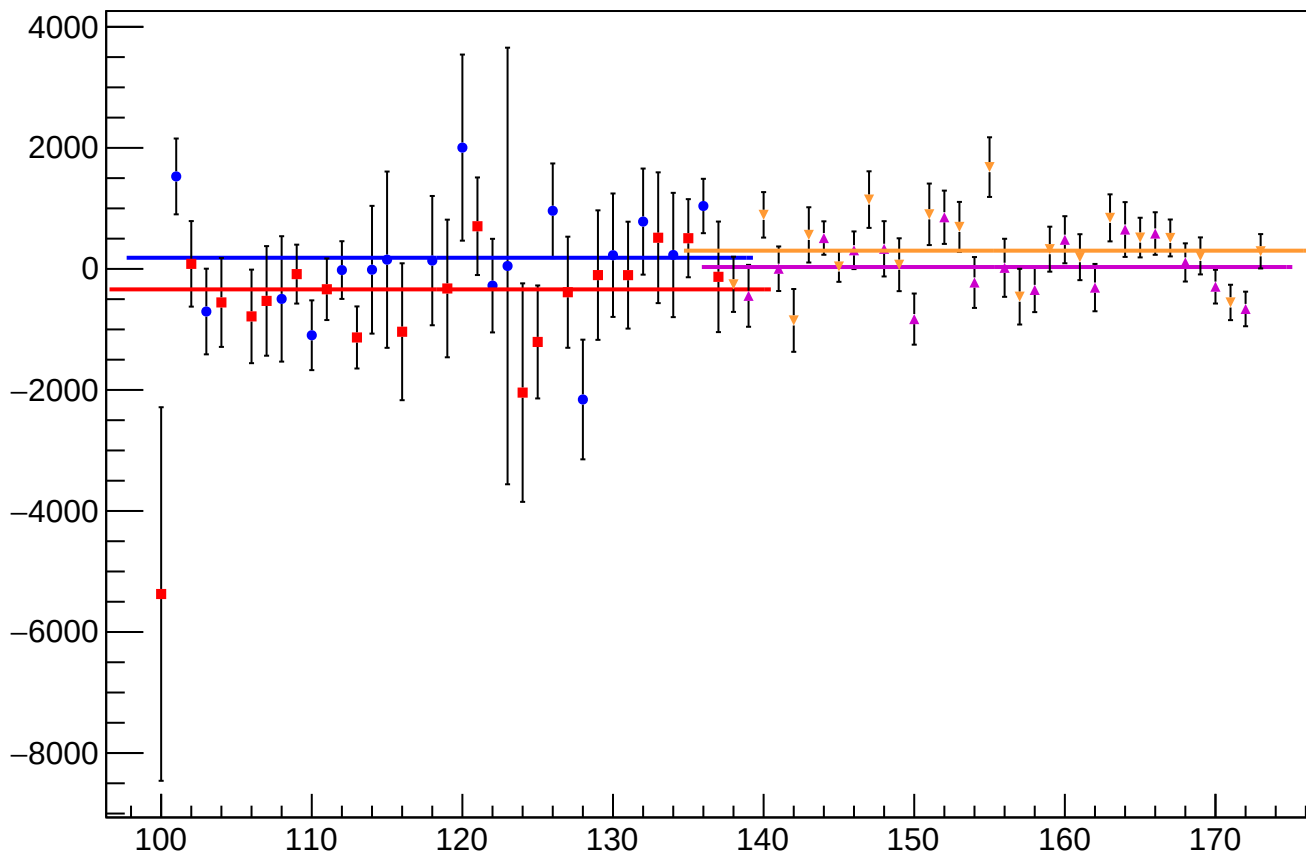
Right: 45.009+/-0.009 χ^2/NDF : 853862.6/35

In: 41.127+/-0.007 χ^2/NDF : 746380.2/33

Out: 40.885+/-0.006 χ^2/NDF : 743569.8/37

All: 41.001+/-0.005 χ^2/NDF : 1490648.4/71

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.184 $\pm$ 188.558 χ^2/NDF : 24.2/16

Left Out: 301.446 $\pm$ 84.494 χ^2/NDF :38.3/18

Right Out: -338.329 $\pm$ 179.381 χ^2/NDF : 12.5/18

Left In: 31.195 $\pm$ 88.093 χ^2/NDF :27.9/16

Left: 171.955 $\pm$ 60.979 χ^2/NDF : 71.1/35

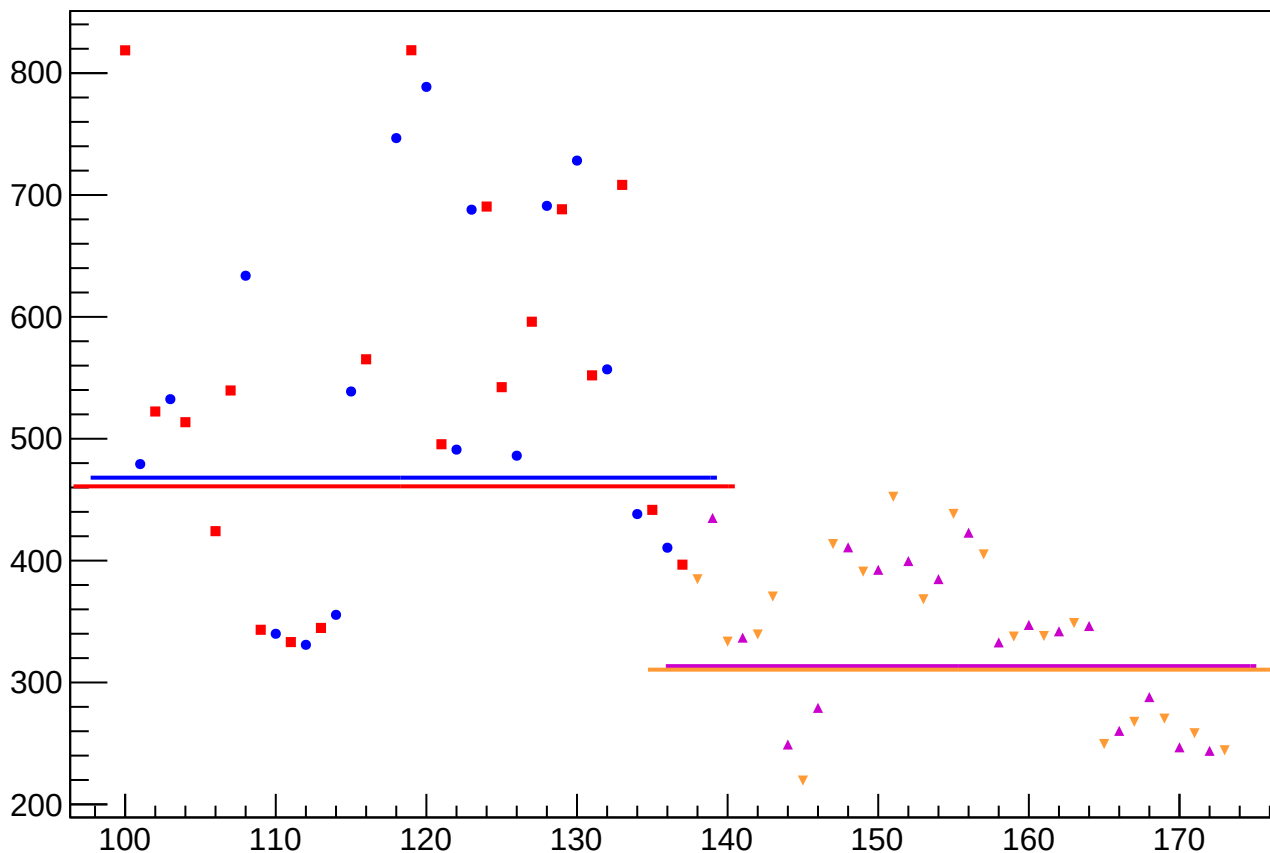
Right: -90.096 $\pm$ 129.965 χ^2/NDF : 40.7/35

In: 58.605 $\pm$ 79.813 χ^2/NDF :52.7/33

Out: 185.275 $\pm$ 76.439 χ^2/NDF :61.2/37

All: 124.674 $\pm$ 55.205 χ^2/NDF : 115.2/71

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 310.522+/-0.060 χ^2/NDF :1294714.4/18

Right Out: 460.939+/-0.127 χ^2/NDF : 955028.5/18

Left In: 313.425+/-0.062 χ^2/NDF :986373.1/16

Left: 311.913+/-0.043 χ^2/NDF : 2282218.2/35

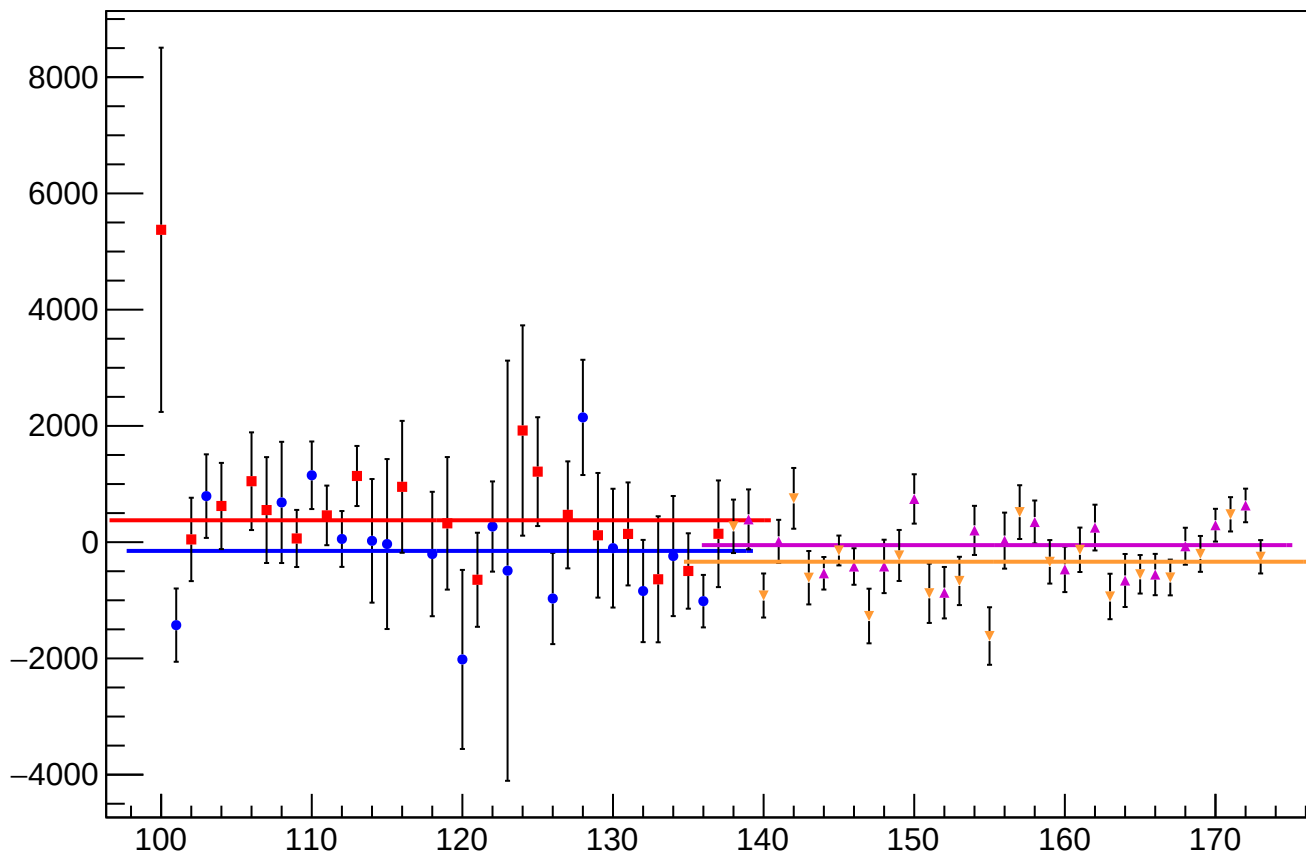
Right: 464.328+/-0.092 χ^2/NDF : 1836849.7/35

In: 341.132+/-0.056 χ^2/NDF :2970968.7/33

Out: 337.835+/-0.054 χ^2/NDF :3400662.2/37

All: 339.413+/-0.039 χ^2/NDF : 6373410.6/71

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -336.335 ± 85.223 χ^2/NDF : 37.0/18

Right Out: 376.554 ± 181.258 χ^2/NDF : 12.4/18

Left In: -50.946 ± 88.850 χ^2/NDF : 26.8/16

Left: -199.584 ± 61.504 χ^2/NDF : 69.2/35

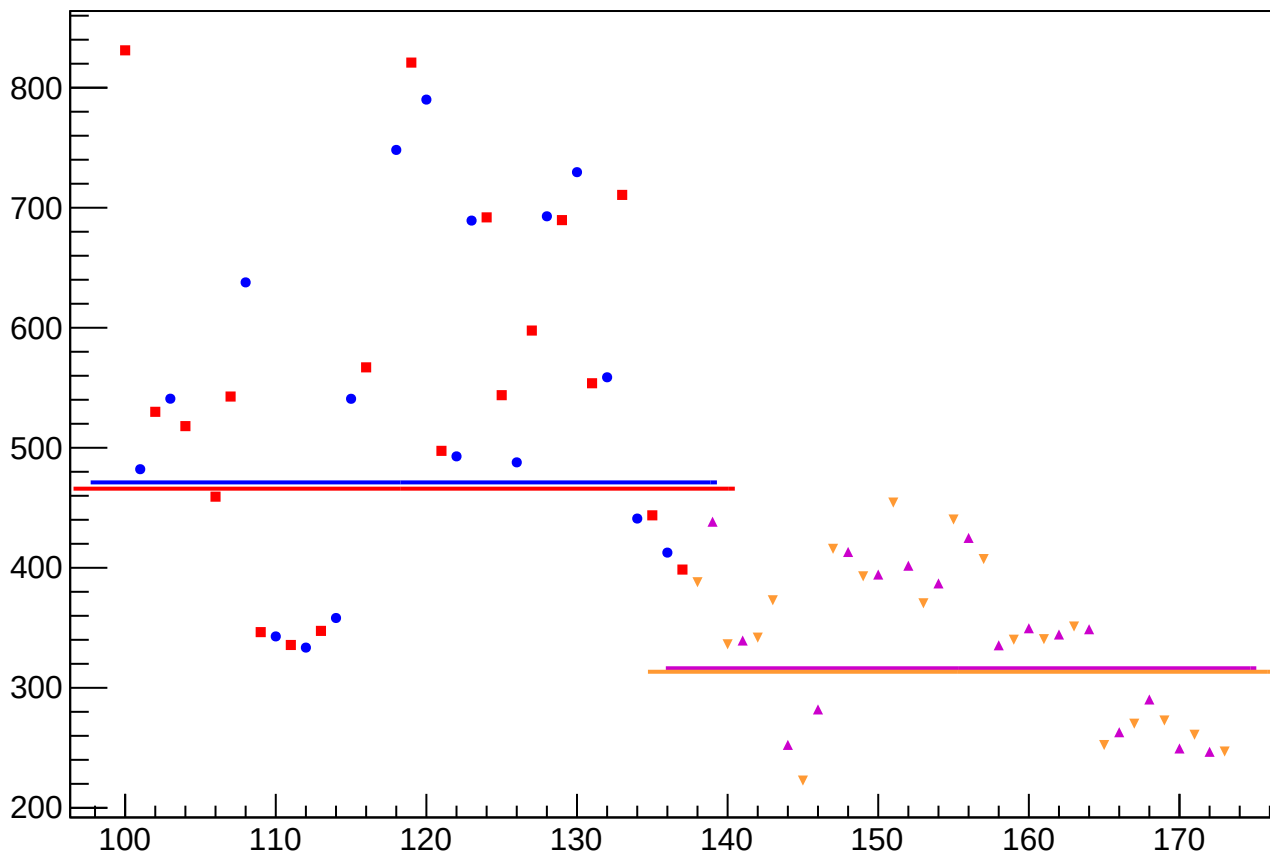
Right: 125.150 ± 131.061 χ^2/NDF : 40.7/35

In: -68.816 ± 80.464 χ^2/NDF : 51.3/33

Out: -207.271 ± 77.124 χ^2/NDF : 62.1/37

All: -140.977 ± 55.678 χ^2/NDF : 114.9/71

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 313.392+/-0.060 χ^2/NDF :1264755.9/18

Right Out: 465.935+/-0.128 χ^2/NDF : 940521.6/18

Left In: 316.286+/-0.063 χ^2/NDF :963618.4/16

Left: 314.779+/-0.043 χ^2/NDF : 2229479.7/35

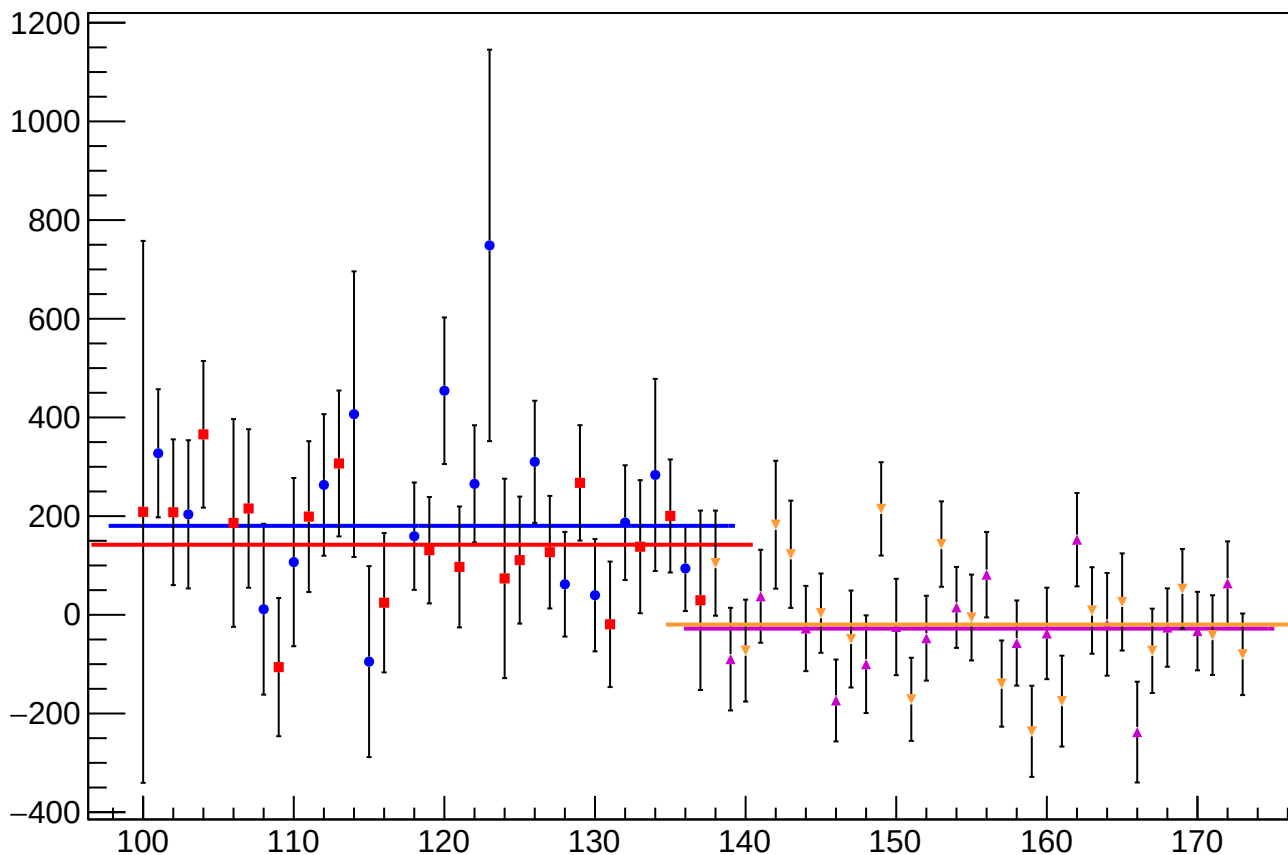
Right: 468.427+/-0.093 χ^2/NDF : 1813145.9/35

In: 344.141+/-0.057 χ^2/NDF :2928361.2/33

Out: 341.009+/-0.055 χ^2/NDF :3365354.4/37

All: 342.509+/-0.039 χ^2/NDF : 6295295.3/71

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: -19.729 $\pm$ 20.885 χ^2 /NDF:31.2/18

Right Out: 142.040 $\pm$ 32.338 χ^2 /NDF: 11.7/18

Left In: -27.988 $\pm$ 21.751 χ^2 /NDF:15.5/16

Left: -23.691 $\pm$ 15.065 χ^2 /NDF: 46.8/35

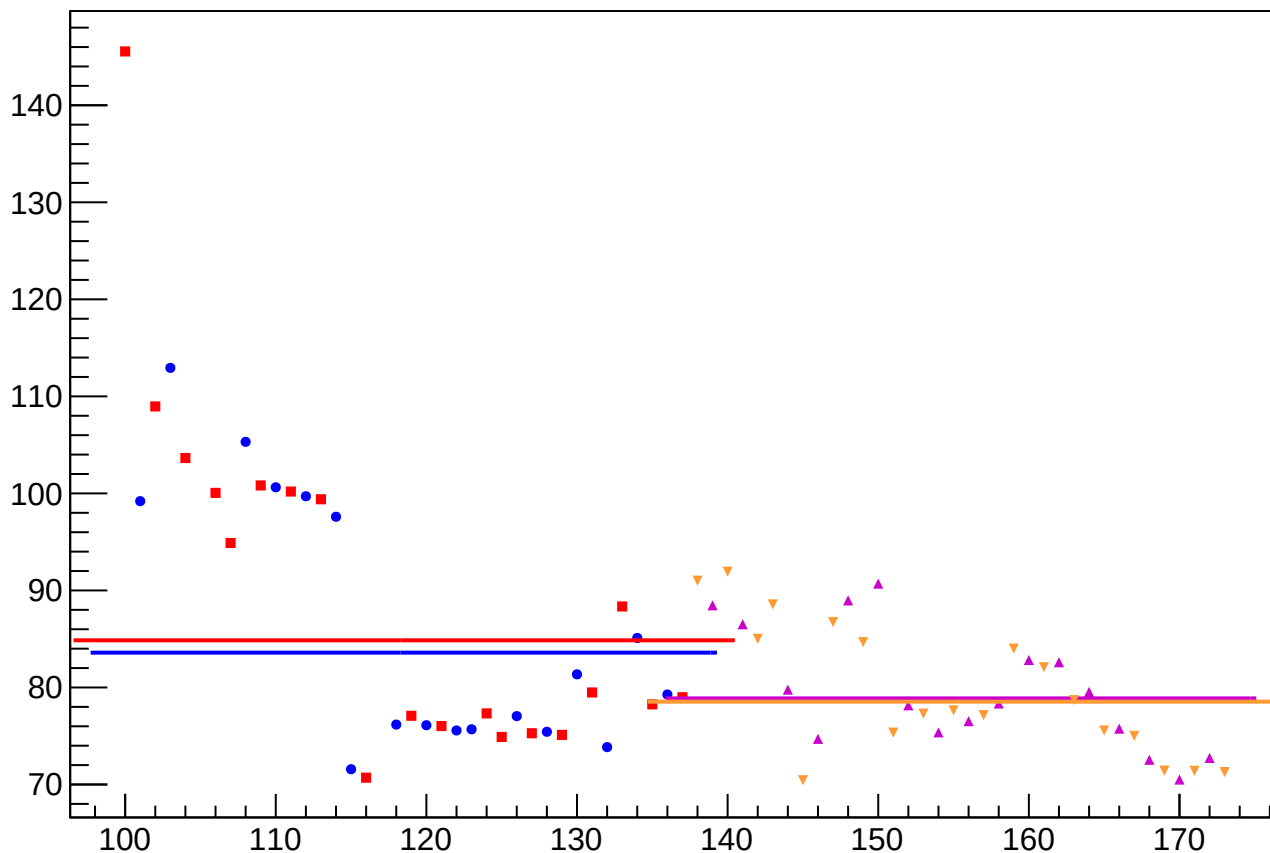
Right: 160.930 $\pm$ 23.017 χ^2 /NDF: 28.9/35

In: 35.723 $\pm$ 18.122 χ^2 /NDF:60.1/33

Out: 27.886 $\pm$ 17.544 χ^2 /NDF:60.6/37

All: 31.678 $\pm$ 12.605 χ^2 /NDF: 120.8/71

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 78.537 $\pm$ 0.015 χ^2 /NDF: 191480.8/18

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

Left In: 78.875 $\pm$ 0.015 χ^2 /NDF: 144756.7/16

Left: 78.699 $\pm$ 0.011 χ^2 /NDF: 336489.3/35

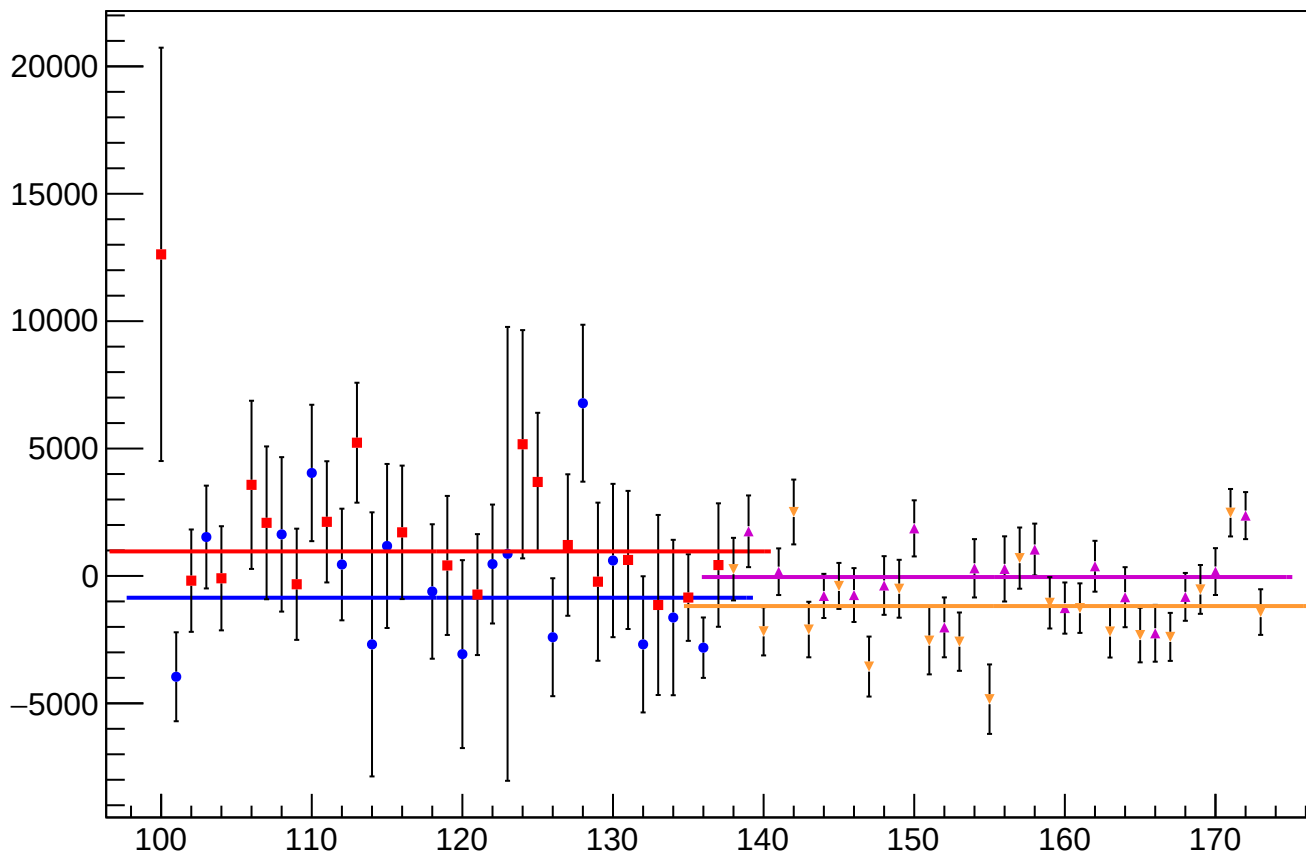
Right: 84.234 $\pm$ 0.016 χ^2 /NDF: 548050.9/35

In: 80.318 $\pm$ 0.013 χ^2 /NDF: 429424.1/33

Out: 80.398 $\pm$ 0.012 χ^2 /NDF: 536062.1/37

All: 80.359 $\pm$ 0.009 χ^2 /NDF: 965506.8/71

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -855.308+/-583.290 χ^2/NDF : 20.3/16

Left Out: -1181.939+/-242.439 χ^2/NDF : 48.8/18

Right Out: 962.932+/-589.071 χ^2/NDF : 11.5/18

Left In: -42.966+/-253.376 χ^2/NDF : 23.6/16

Left: -637.564+/-175.169 χ^2/NDF : 82.9/35

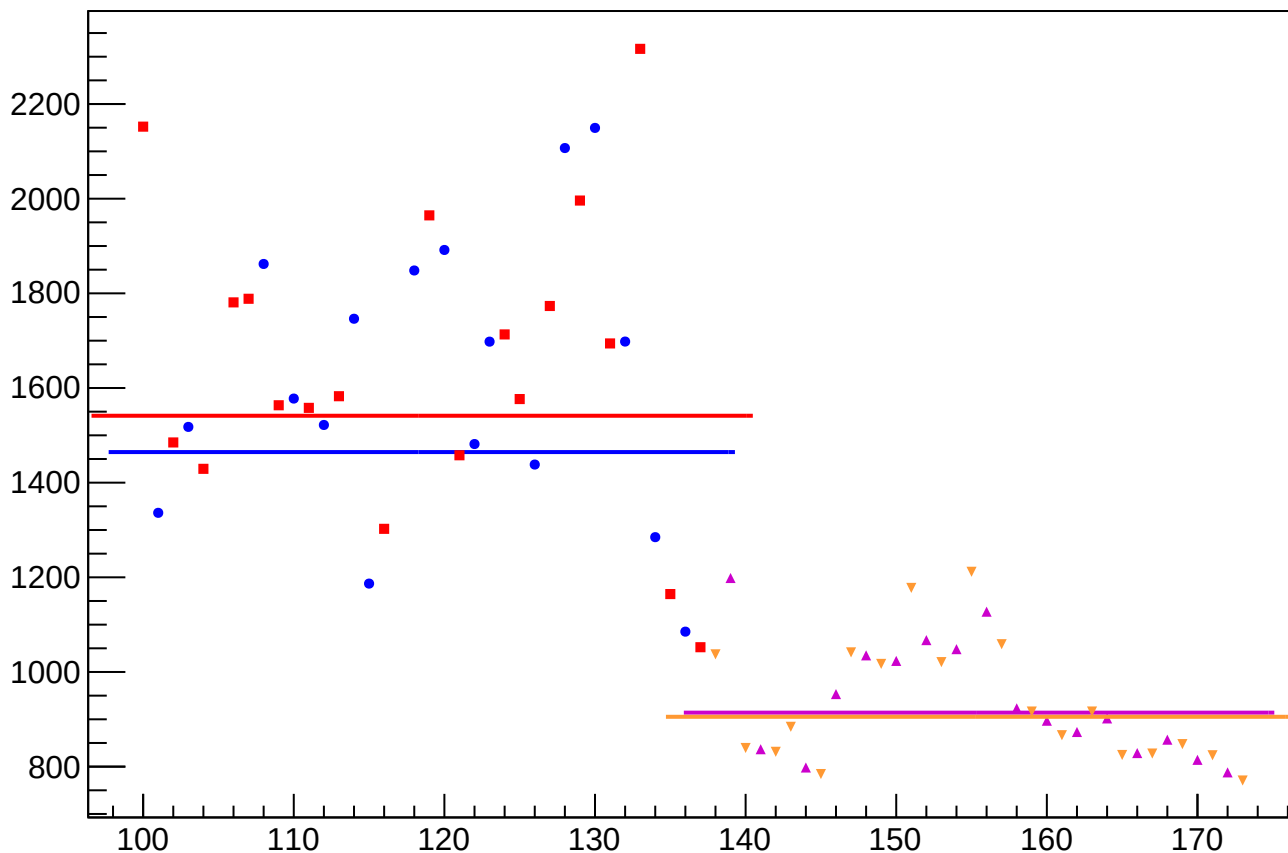
Right: 44.847+/-414.477 χ^2/NDF : 36.6/35

In: -171.918+/-232.397 χ^2/NDF : 45.5/33

Out: -871.258+/-224.194 χ^2/NDF : 71.6/37

All: -534.148+/-161.351 χ^2/NDF : 121.9/71

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 905.310 $\pm$ 0.171 χ^2 /NDF: 457156.4/18

Right Out: 1541.388 $\pm$ 0.417 χ^2 /NDF: 453710.5/18

Left In: 914.076 $\pm$ 0.179 χ^2 /NDF: 377681.0/16

Left: 909.499 $\pm$ 0.124 χ^2 /NDF: 836087.2/35

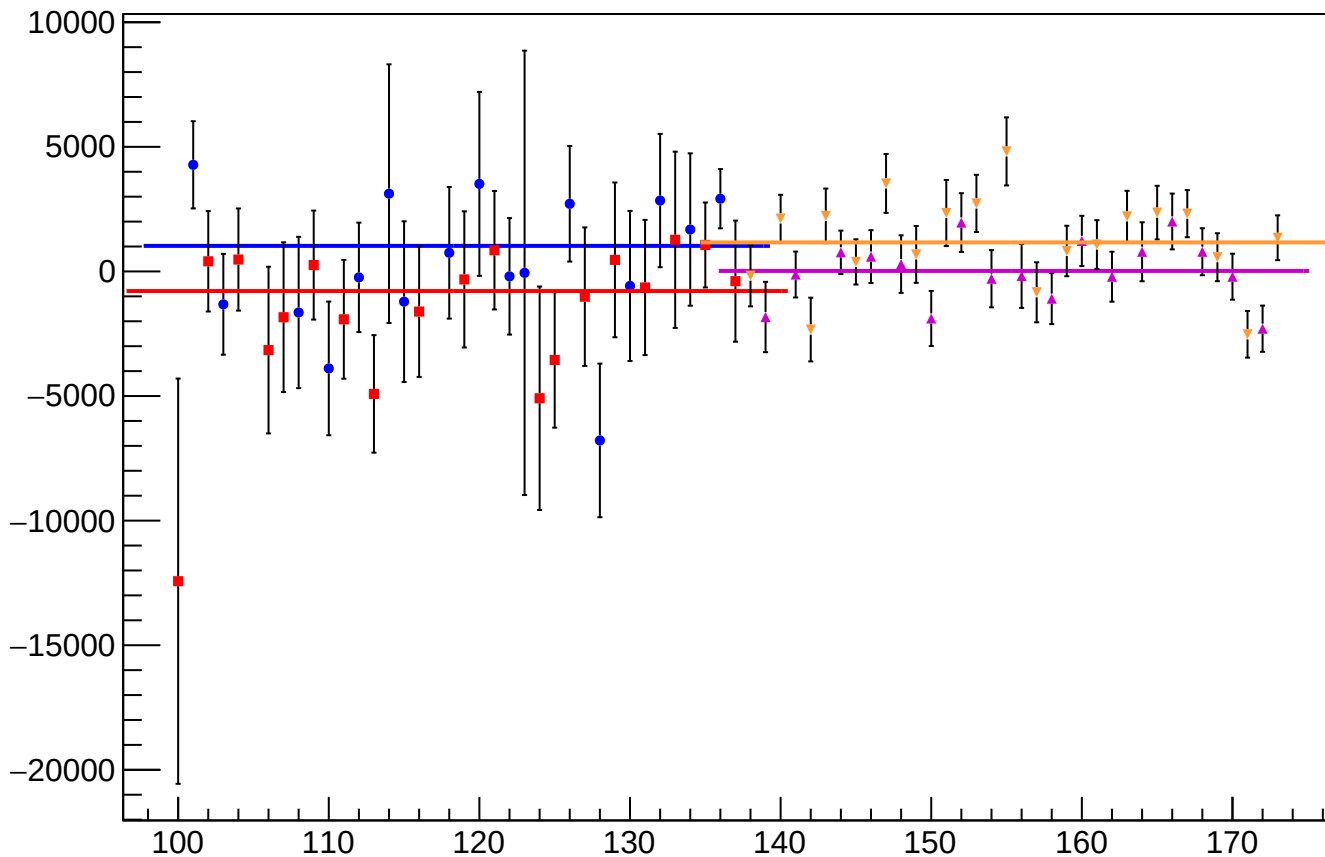
Right: 1502.634 $\pm$ 0.293 χ^2 /NDF: 1031717.7/35

In: 1001.473 $\pm$ 0.164 χ^2 /NDF: 2437536.6/33

Out: 997.445 $\pm$ 0.159 χ^2 /NDF: 2905023.4/37

All: 999.386 $\pm$ 0.114 χ^2 /NDF: 5342871.3/71

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1025.527 $\pm$ 584.500 χ^2 /NDF: 20.9/16

Left Out: 1164.929 $\pm$ 243.417 χ^2 /NDF:48.0/18

Right Out: -787.007 $\pm$ 590.388 χ^2 /NDF: 11.2/18

Left In: 20.065 $\pm$ 254.379 χ^2 /NDF:21.8/16

Left: 617.694 $\pm$ 175.869 χ^2 /NDF: 80.4/35

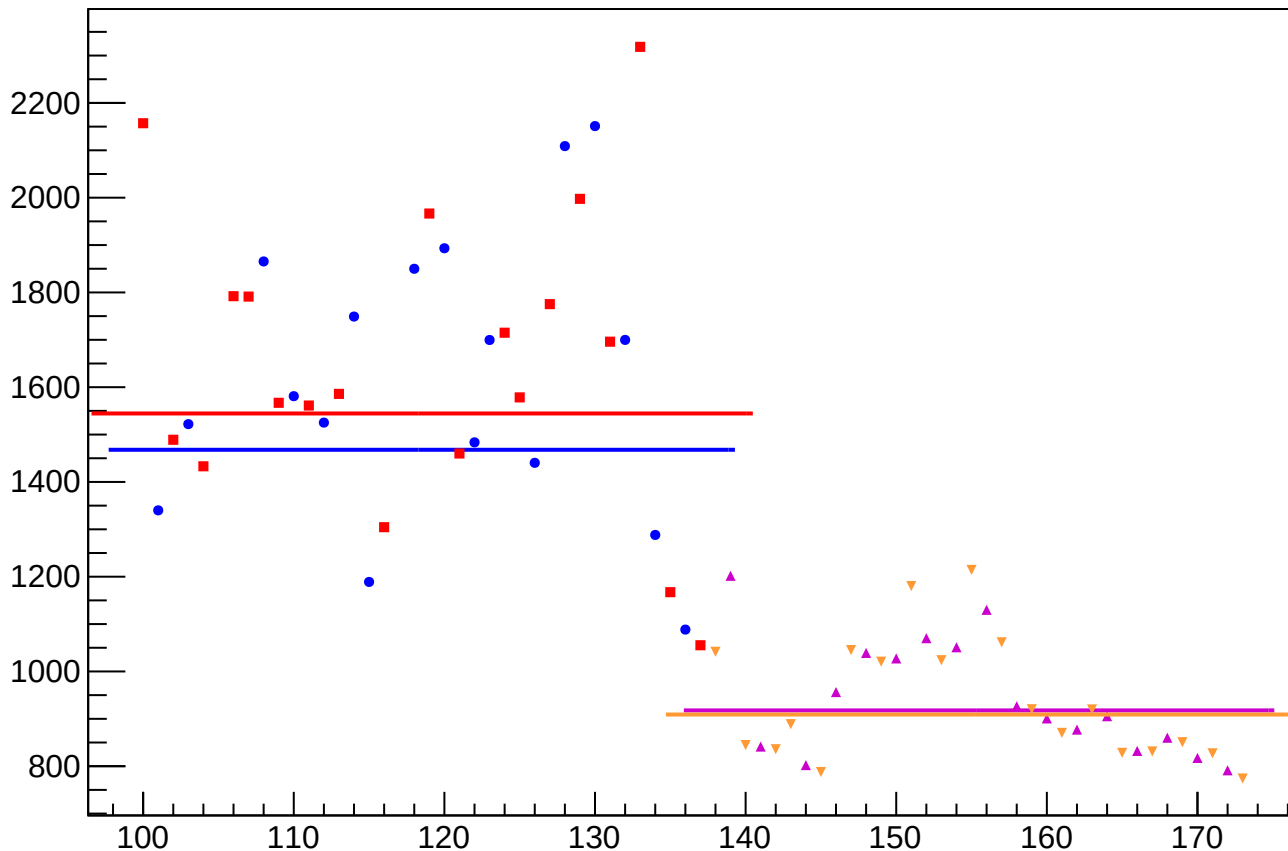
Right: 128.343 $\pm$ 415.370 χ^2 /NDF: 36.9/35

In: 180.179 $\pm$ 233.247 χ^2 /NDF:45.2/33

Out: 881.326 $\pm$ 225.040 χ^2 /NDF:68.5/37

All: 543.304 $\pm$ 161.951 χ^2 /NDF: 118.4/71

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 909.073+/-0.172 χ^2/NDF : 452687.4/18

Right Out: 1544.513+/-0.417 χ^2/NDF : 451805.9/18

Left In: 917.789+/-0.180 χ^2/NDF : 373712.9/16

Left: 913.239+/-0.124 χ^2/NDF : 827625.8/35

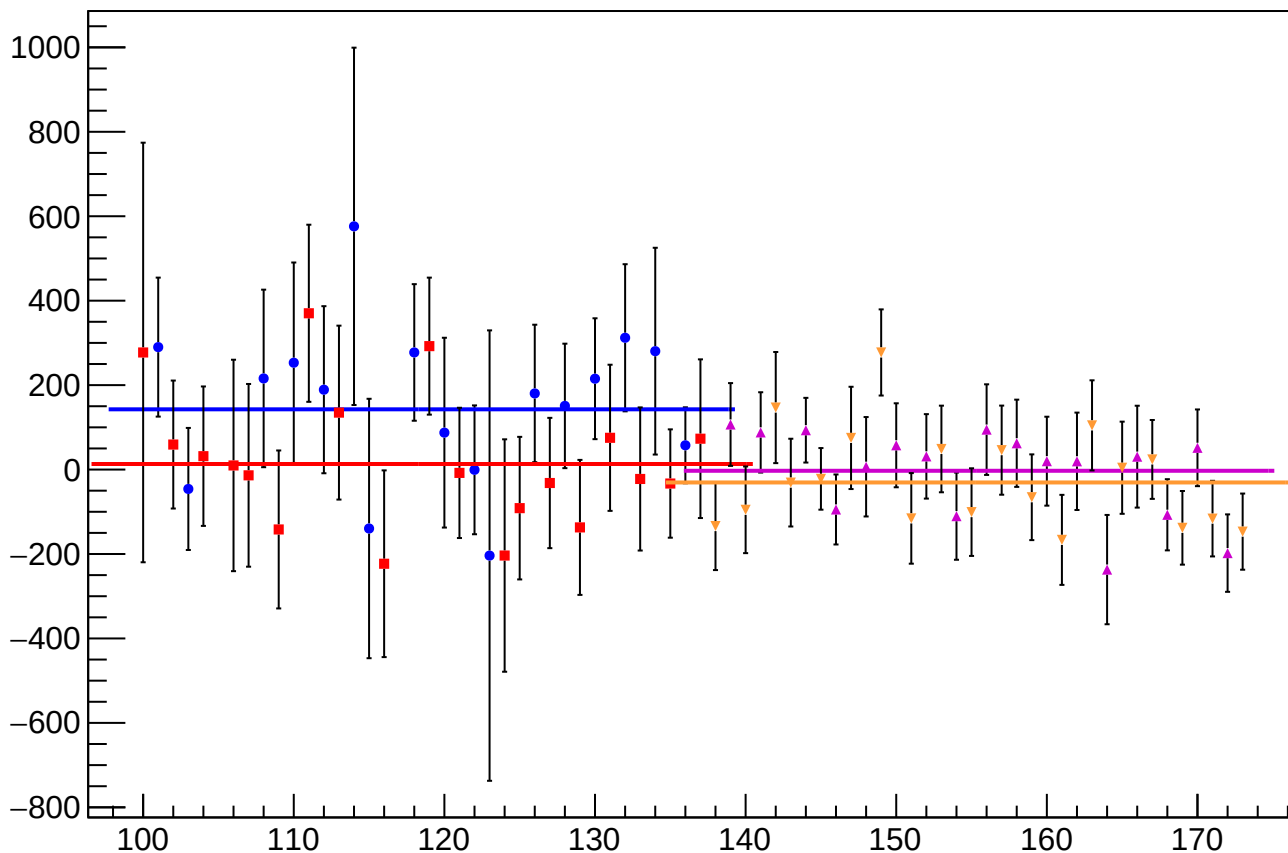
Right: 1505.825+/-0.294 χ^2/NDF : 1026270.9/35

In: 1005.392+/-0.165 χ^2/NDF : 2420672.2/33

Out: 1001.399+/-0.159 χ^2/NDF : 2884749.9/37

All: 1003.324+/-0.115 χ^2/NDF : 5305725.7/71

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -30.552 $\pm$ 22.916 χ^2 /NDF:23.2/18

Right Out: 13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

Left In: -2.880 $\pm$ 23.888 χ^2 /NDF:17.6/16

Left: -17.291 $\pm$ 16.537 χ^2 /NDF: 41.5/35

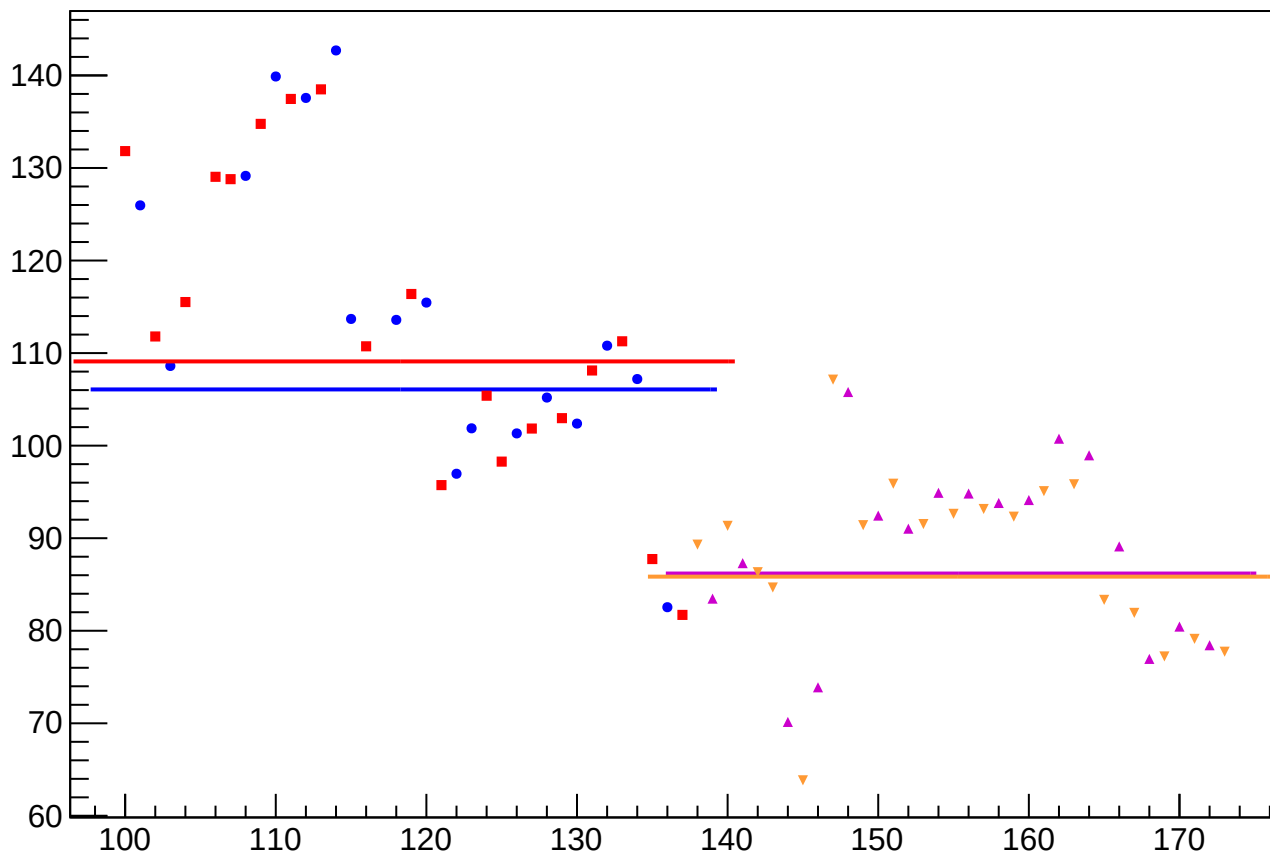
Right: 77.572 $\pm$ 29.352 χ^2 /NDF: 25.0/35

In: 33.184 $\pm$ 20.719 χ^2 /NDF:36.1/33

Out: -20.294 $\pm$ 20.049 χ^2 /NDF:34.9/37

All: 5.566 $\pm$ 14.408 χ^2 /NDF: 74.4/71

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 85.846 $\pm$ 0.016 χ^2 /NDF:391760.2/18

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

Left In: 86.182 $\pm$ 0.017 χ^2 /NDF:349725.1/16

Left: 86.007 $\pm$ 0.012 χ^2 /NDF: 741690.7/35

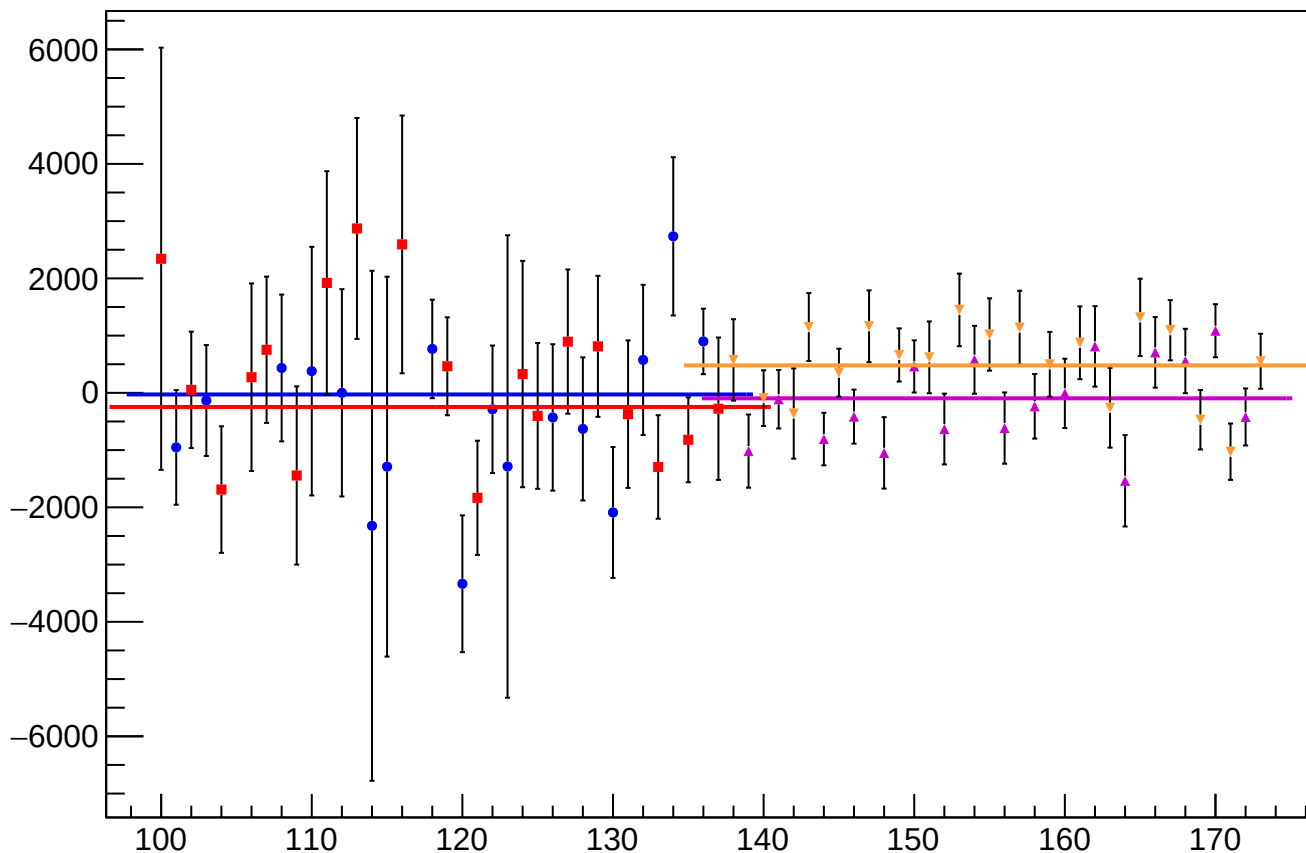
Right: 107.595 $\pm$ 0.021 χ^2 /NDF: 608619.1/35

In: 91.110 $\pm$ 0.015 χ^2 /NDF:1011212.5/33

Out: 91.301 $\pm$ 0.014 χ^2 /NDF:1160232.4/37

All: 91.209 $\pm$ 0.010 χ^2 /NDF: 2171532.6/71

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969±/283.741 χ^2/NDF : 20.5/16

Left Out: 480.520±/130.092 χ^2/NDF :26.6/18

Right Out: -246.386±/279.451 χ^2/NDF : 15.9/18

Left In: -95.601±/134.997 χ^2/NDF :26.5/16

Left: 203.115±/93.675 χ^2/NDF : 62.5/35

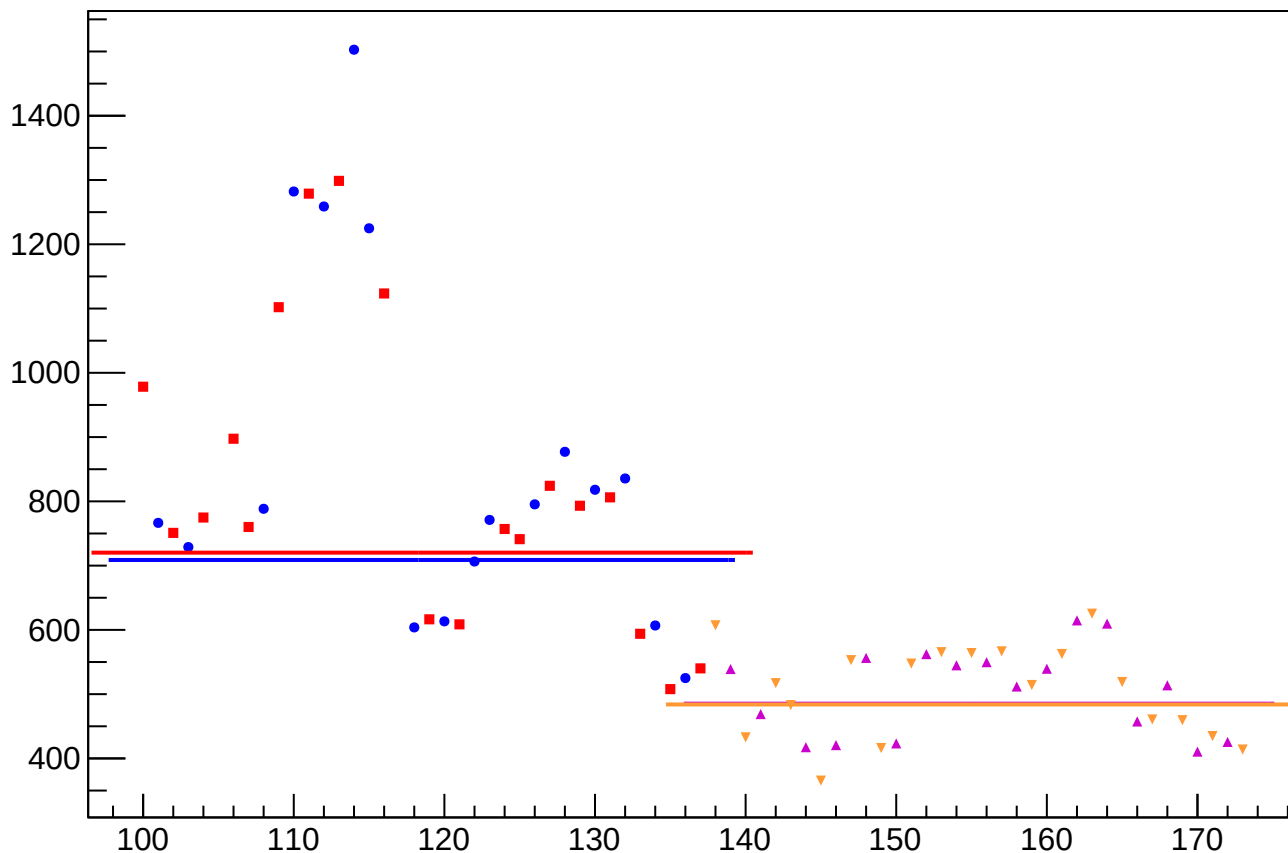
Right: -138.842±/199.101 χ^2/NDF : 36.7/35

In: -83.118±/121.903 χ^2/NDF :47.0/33

Out: 351.046±/117.939 χ^2/NDF :48.0/37

All: 141.138±/84.762 χ^2/NDF : 101.6/71

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 483.974 $\pm$ 0.092 χ^2 /NDF: 625832.3/18

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

Left In: 485.205 $\pm$ 0.095 χ^2 /NDF: 459791.7/16

Left: 484.567 $\pm$ 0.066 χ^2 /NDF: 1085710.3/35

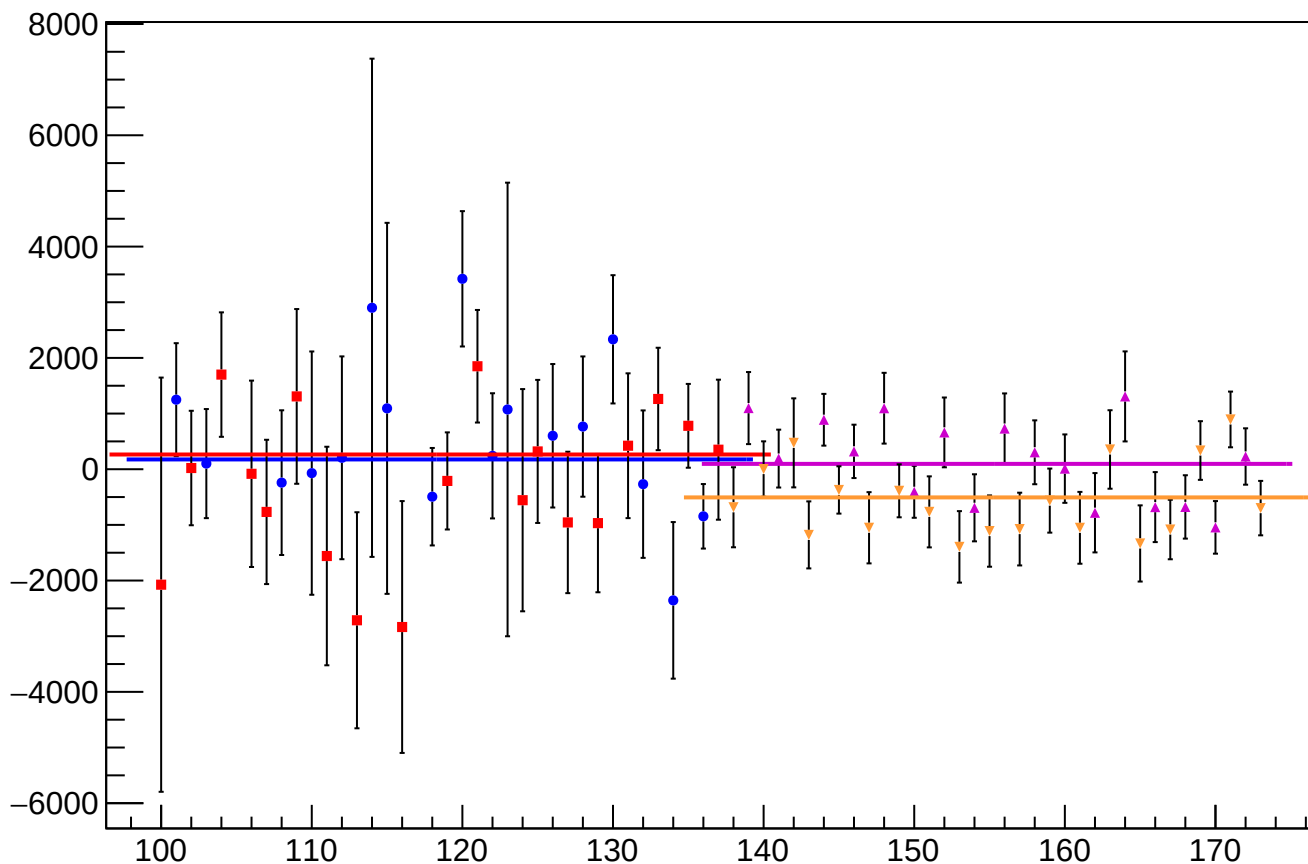
Right: 714.580 $\pm$ 0.141 χ^2 /NDF: 1695116.1/35

In: 526.474 $\pm$ 0.086 χ^2 /NDF: 2265905.1/33

Out: 526.050 $\pm$ 0.083 χ^2 /NDF: 2700364.0/37

All: 526.255 $\pm$ 0.060 χ^2 /NDF: 4966281.6/71

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854+/-287.218 χ^2/NDF : 19.7/16

Left Out: -506.291+/-132.232 χ^2/NDF :23.9/18

Right Out: 264.622+/-283.074 χ^2/NDF : 14.8/18

Left In: 96.063+/-137.222 χ^2/NDF :25.9/16

Left: -216.264+/-95.217 χ^2/NDF : 59.8/35

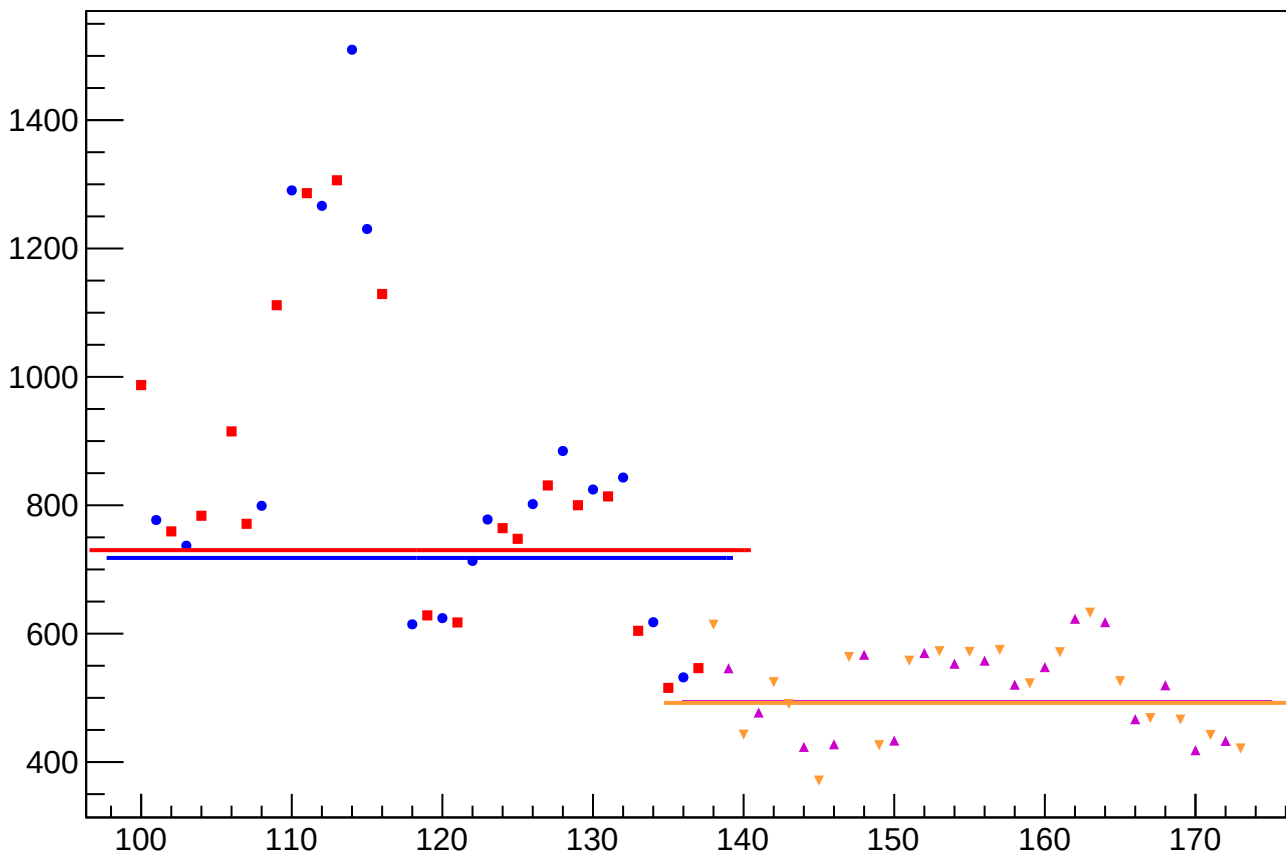
Right: 220.883+/-201.613 χ^2/NDF : 34.6/35

In: 110.891+/-123.816 χ^2/NDF :45.7/33

Out: -368.203+/-119.805 χ^2/NDF :44.8/37

All: -136.542+/-86.098 χ^2/NDF : 98.2/71

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 717.973 $\pm$ 0.203 χ^2 /NDF: 778580.1/16

Left Out: 492.155 $\pm$ 0.094 χ^2 /NDF: 612260.8/18

Right Out: 730.040 $\pm$ 0.200 χ^2 /NDF: 881842.0/18

Left In: 493.369 $\pm$ 0.097 χ^2 /NDF: 448993.6/16

Left: 492.740 $\pm$ 0.067 χ^2 /NDF: 1061335.5/35

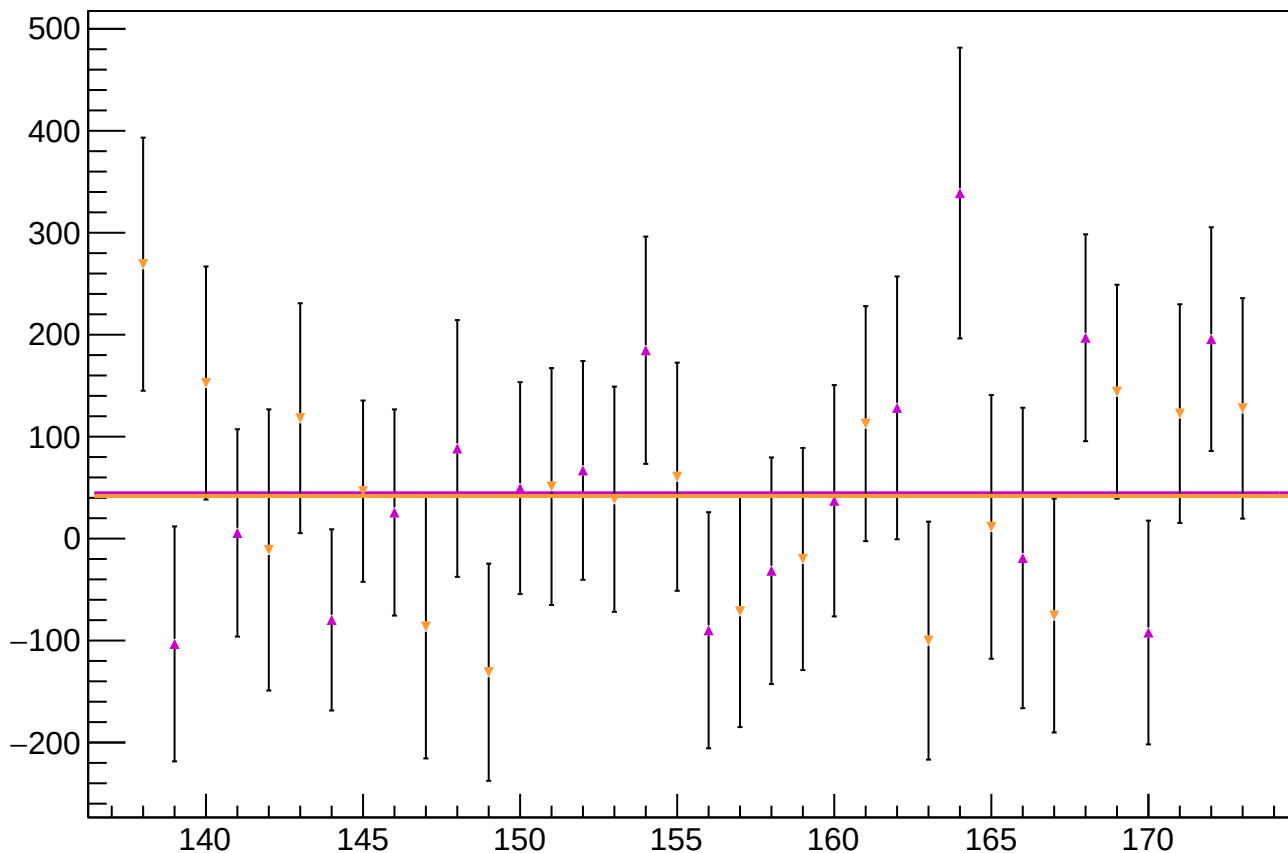
Right: 724.094 $\pm$ 0.143 χ^2 /NDF: 1662212.8/35

In: 535.109 $\pm$ 0.088 χ^2 /NDF: 2223326.1/33

Out: 534.766 $\pm$ 0.085 χ^2 /NDF: 2653523.1/37

All: 534.932 $\pm$ 0.061 χ^2 /NDF: 4876857.1/71

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 41.785 $\pm$ 25.885 χ^2 /NDF:15.0/18

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

Left In: 44.402 $\pm$ 27.007 χ^2 /NDF:17.9/16

Left: 43.038 $\pm$ 18.687 χ^2 /NDF: 32.9/35

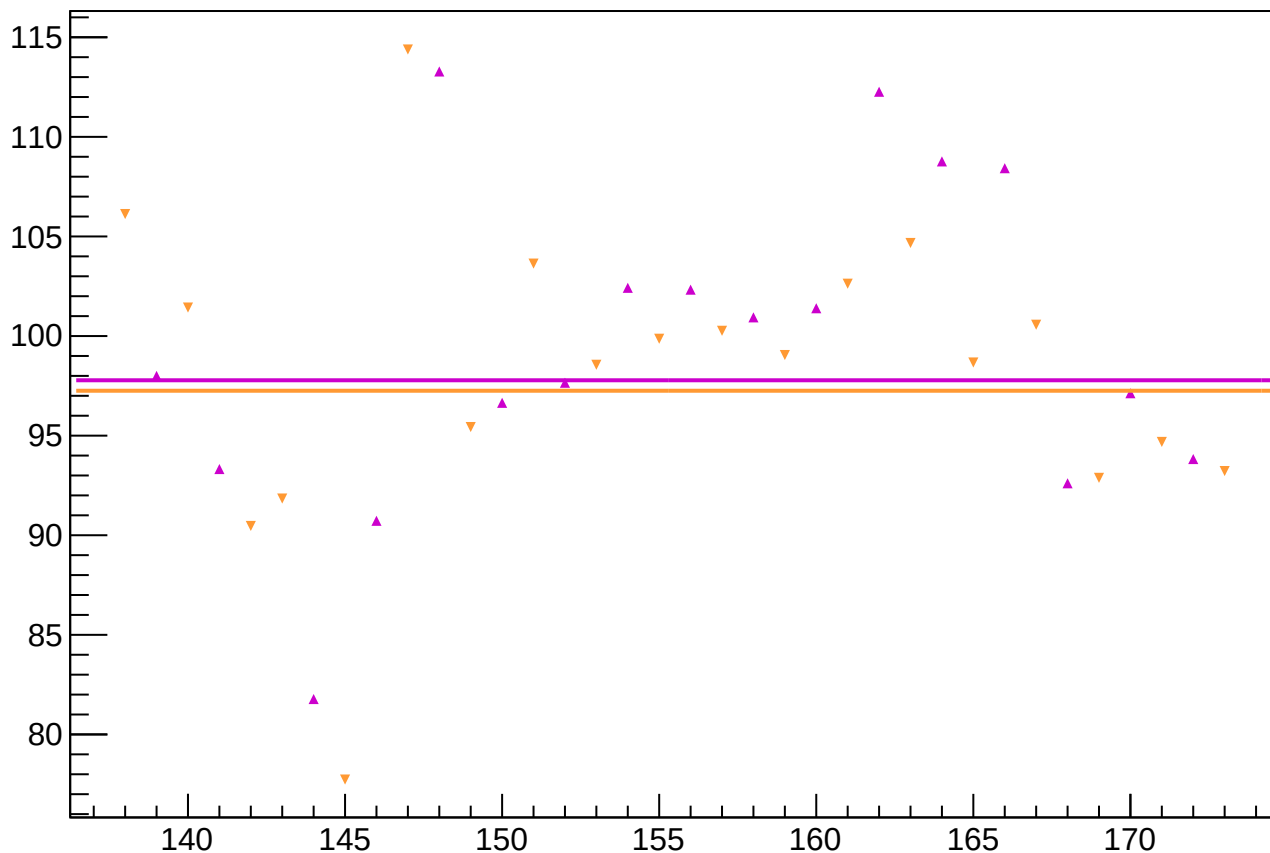
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 44.402 $\pm$ 27.007 χ^2 /NDF:17.9/16

Out: 41.785 $\pm$ 25.885 χ^2 /NDF:15.0/18

All: 43.038 $\pm$ 18.687 χ^2 /NDF: 32.9/35

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 97.255+/-0.018 χ^2/NDF :185495.0/18

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

Left In: 97.780+/-0.019 χ^2/NDF :174568.7/16

Left: 97.506+/-0.013 χ^2/NDF : 360458.4/35

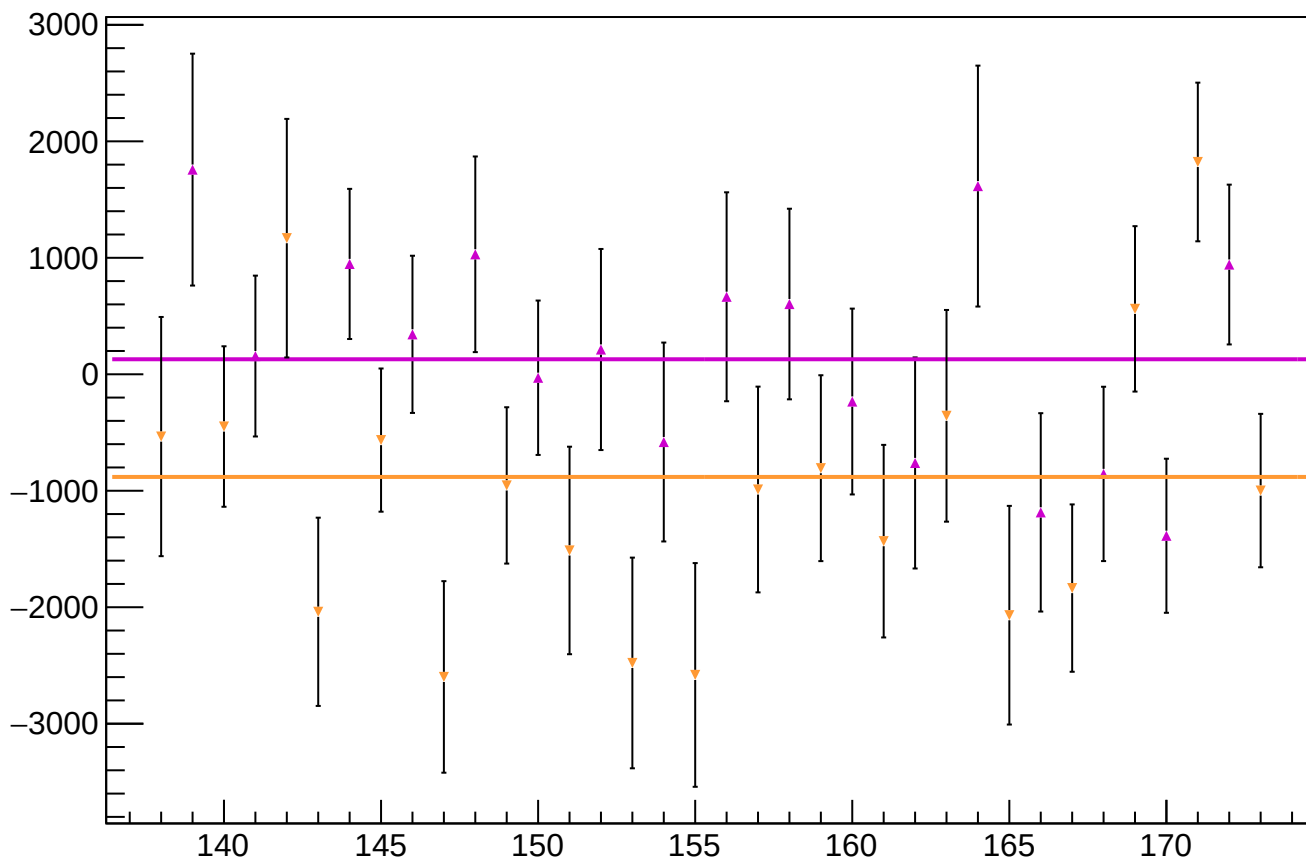
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 97.780+/-0.019 χ^2/NDF :174568.7/16

Out: 97.255+/-0.018 χ^2/NDF :185495.0/18

All: 97.506+/-0.013 χ^2/NDF : 360458.4/35

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -881.330 $\pm$ 181.084 χ^2 /NDF:42.0/18

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

Left In: 128.922 $\pm$ 188.466 χ^2 /NDF:21.0/16

Left: -396.377 $\pm$ 130.577 χ^2 /NDF: 78.0/35

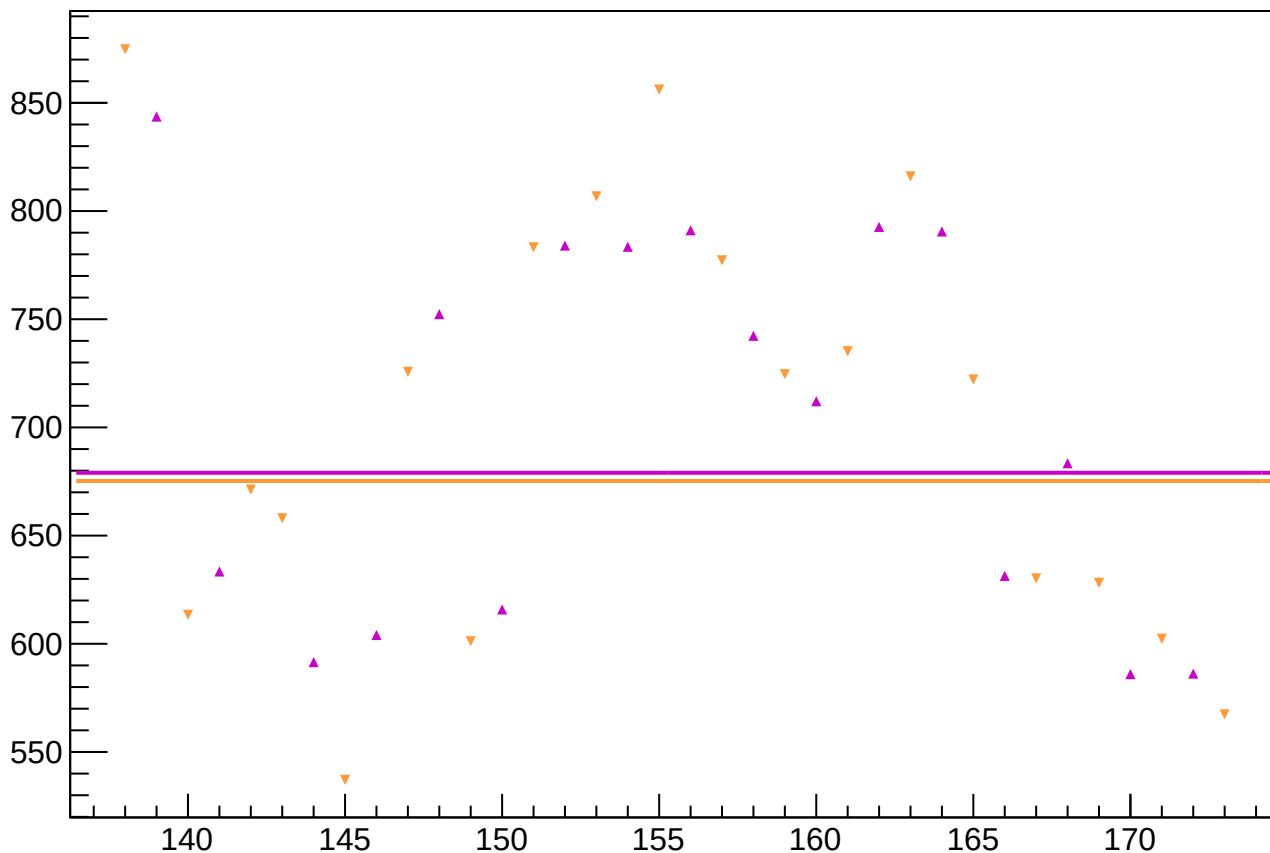
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 128.922 $\pm$ 188.466 χ^2 /NDF:21.0/16

Out: -881.330 $\pm$ 181.084 χ^2 /NDF:42.0/18

All: -396.377 $\pm$ 130.577 χ^2 /NDF: 78.0/35

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 675.234+/-0.128 χ^2/NDF :559192.7/18

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

Left In: 679.044+/-0.133 χ^2/NDF :401746.8/16

Left: 677.063+/-0.092 χ^2/NDF : 961364.6/35

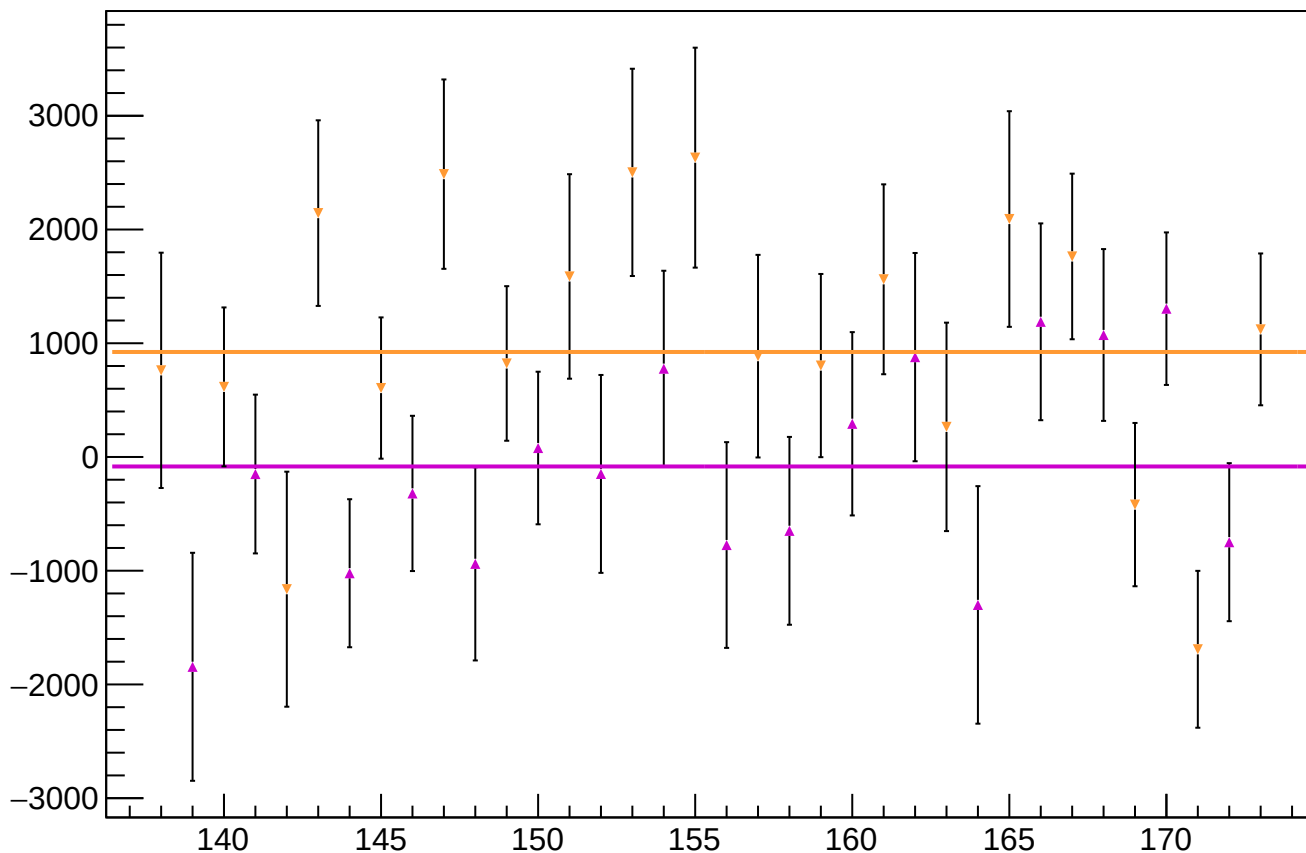
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 679.044+/-0.133 χ^2/NDF :401746.8/16

Out: 675.234+/-0.128 χ^2/NDF :559192.7/18

All: 677.063+/-0.092 χ^2/NDF : 961364.6/35

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 923.248+/-183.045 χ^2/NDF :38.9/18

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

Left In: -83.471+/-190.505 χ^2/NDF :20.8/16

Left: 439.985+/-131.991 χ^2/NDF : 74.3/35

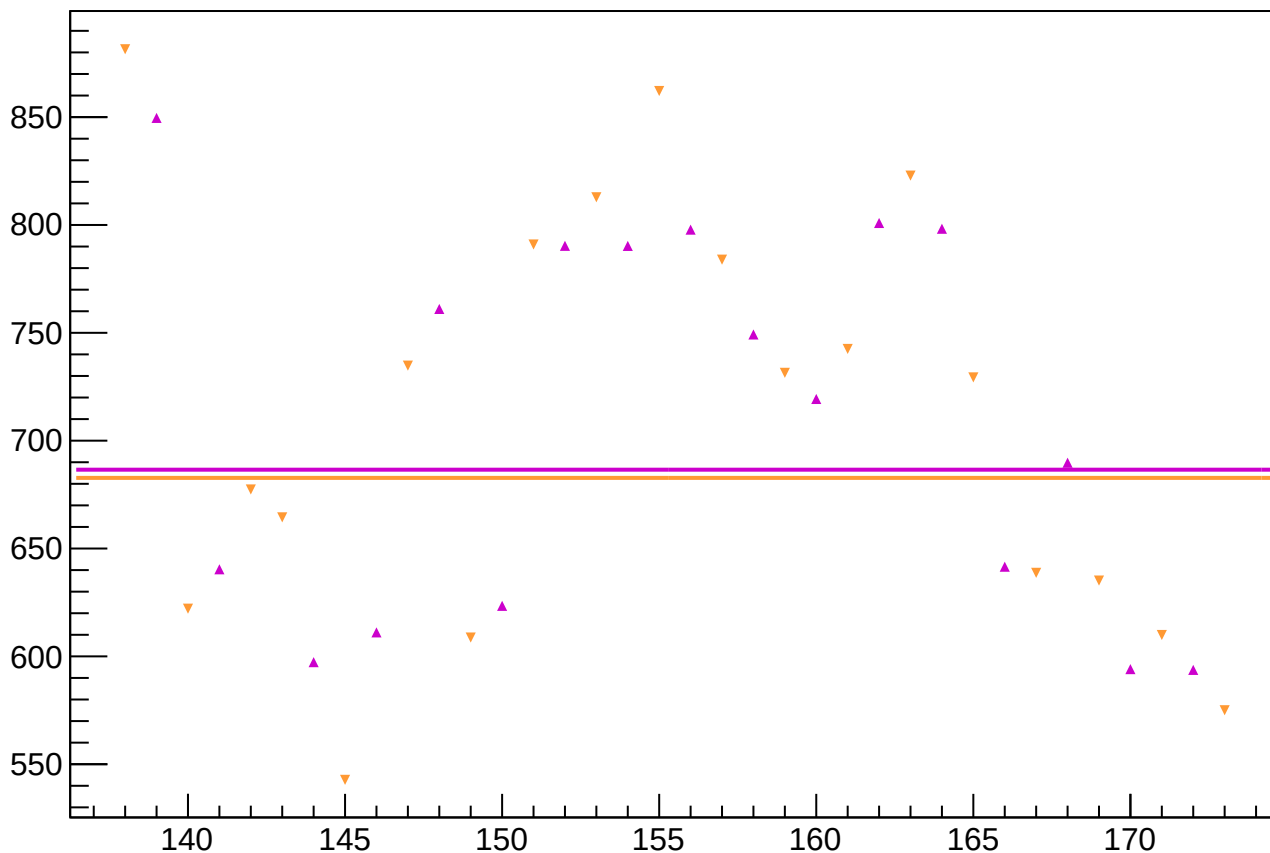
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -83.471+/-190.505 χ^2/NDF :20.8/16

Out: 923.248+/-183.045 χ^2/NDF :38.9/18

All: 439.985+/-131.991 χ^2/NDF : 74.3/35

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 682.746+/-0.129 χ^2/NDF :547071.3/18

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

Left In: 686.549+/-0.135 χ^2/NDF :392659.5/16

Left: 684.572+/-0.093 χ^2/NDF : 940145.2/35

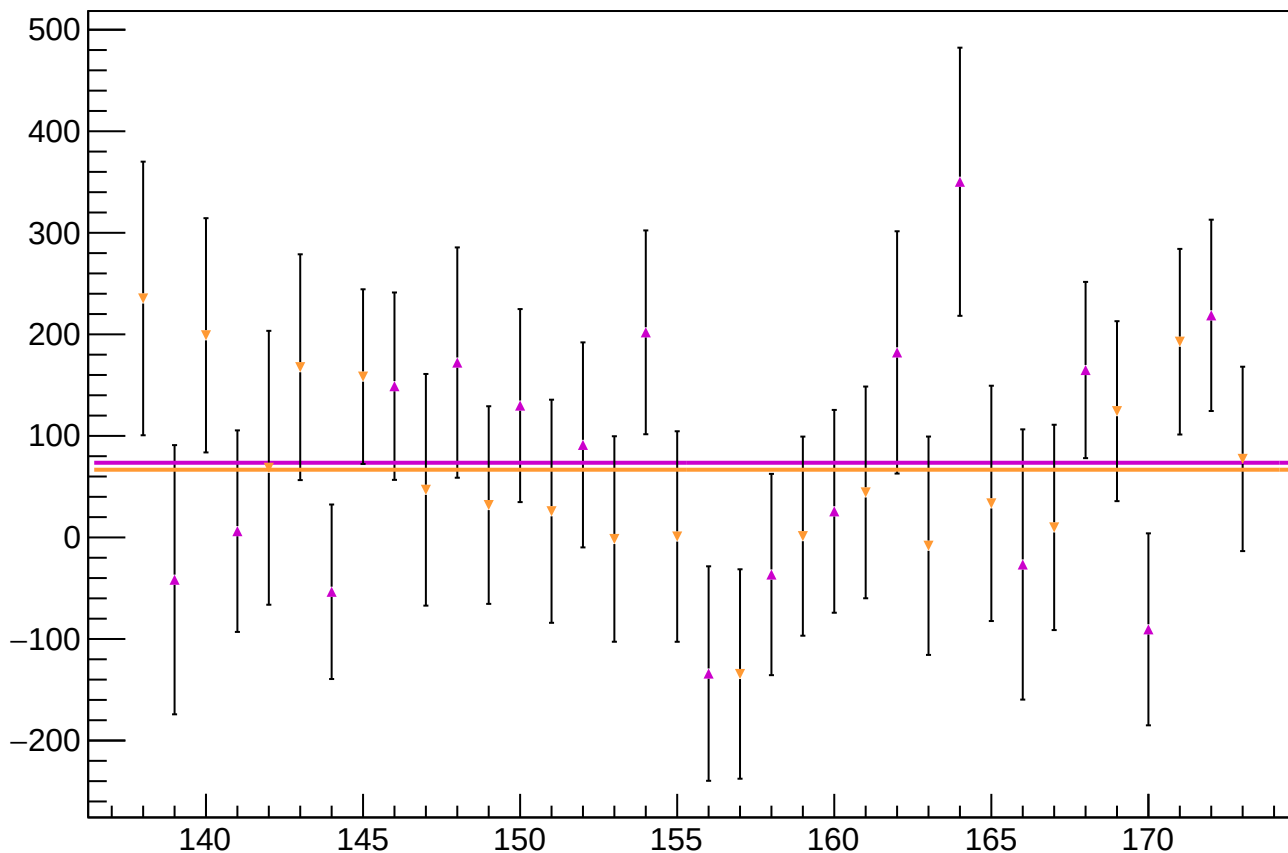
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 686.549+/-0.135 χ^2/NDF :392659.5/16

Out: 682.746+/-0.129 χ^2/NDF :547071.3/18

All: 684.572+/-0.093 χ^2/NDF : 940145.2/35

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 66.688 $\pm$ 23.738 χ^2 /NDF:13.5/18

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

Left In: 73.555 $\pm$ 24.766 χ^2 /NDF:24.5/16

Left: 69.976 $\pm$ 17.137 χ^2 /NDF: 38.0/35

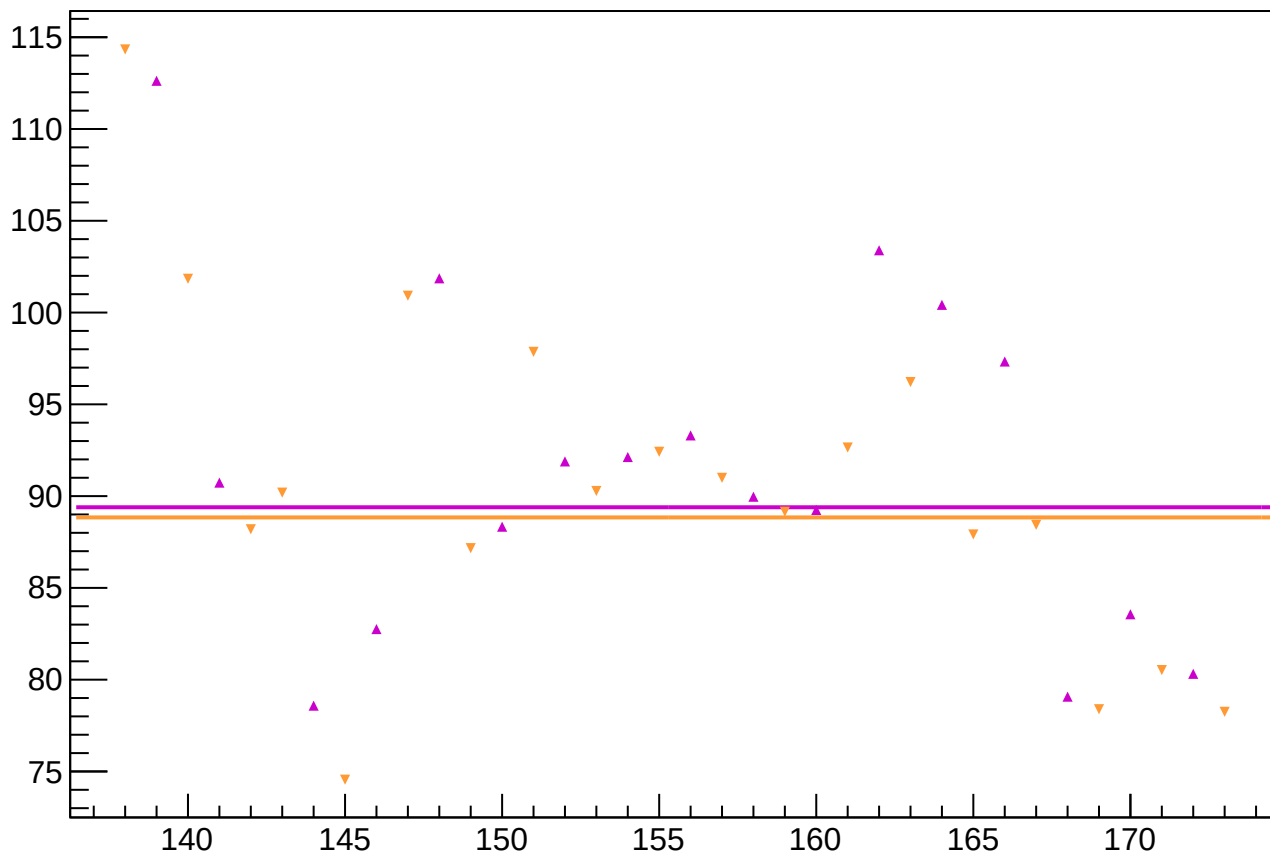
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 73.555 $\pm$ 24.766 χ^2 /NDF:24.5/16

Out: 66.688 $\pm$ 23.738 χ^2 /NDF:13.5/18

All: 69.976 $\pm$ 17.137 χ^2 /NDF: 38.0/35

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 88.839+/-0.017 χ^2/NDF :276581.7/18

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

Left In: 89.392+/-0.018 χ^2/NDF :236797.7/16

Left: 89.104+/-0.012 χ^2/NDF : 513899.0/35

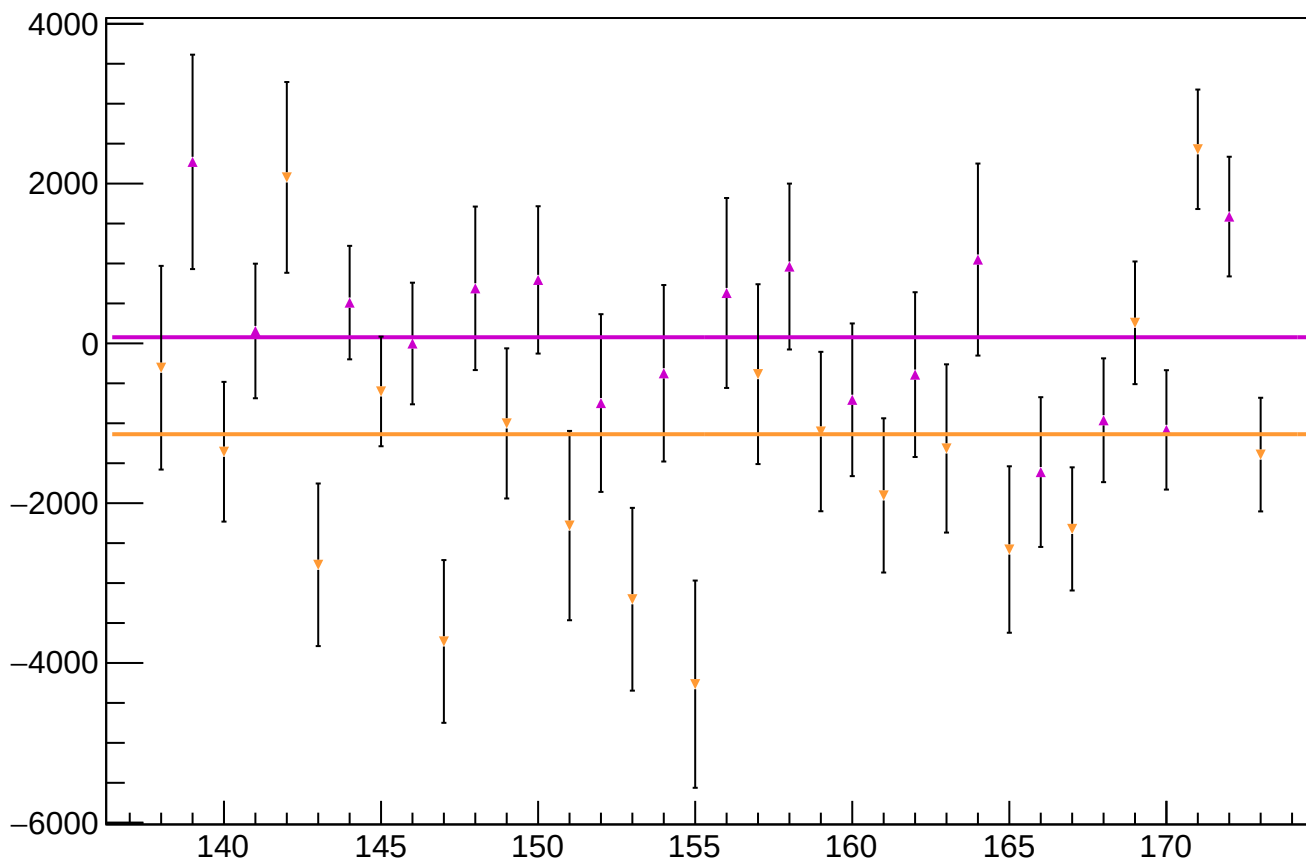
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 89.392+/-0.018 χ^2/NDF :236797.7/16

Out: 88.839+/-0.017 χ^2/NDF :276581.7/18

All: 89.104+/-0.012 χ^2/NDF : 513899.0/35

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1136.894+/-214.577 χ^2/NDF :59.0/18

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

Left In: 76.922+/-222.635 χ^2/NDF :18.7/16

Left: -552.348+/-154.499 χ^2/NDF : 93.2/35

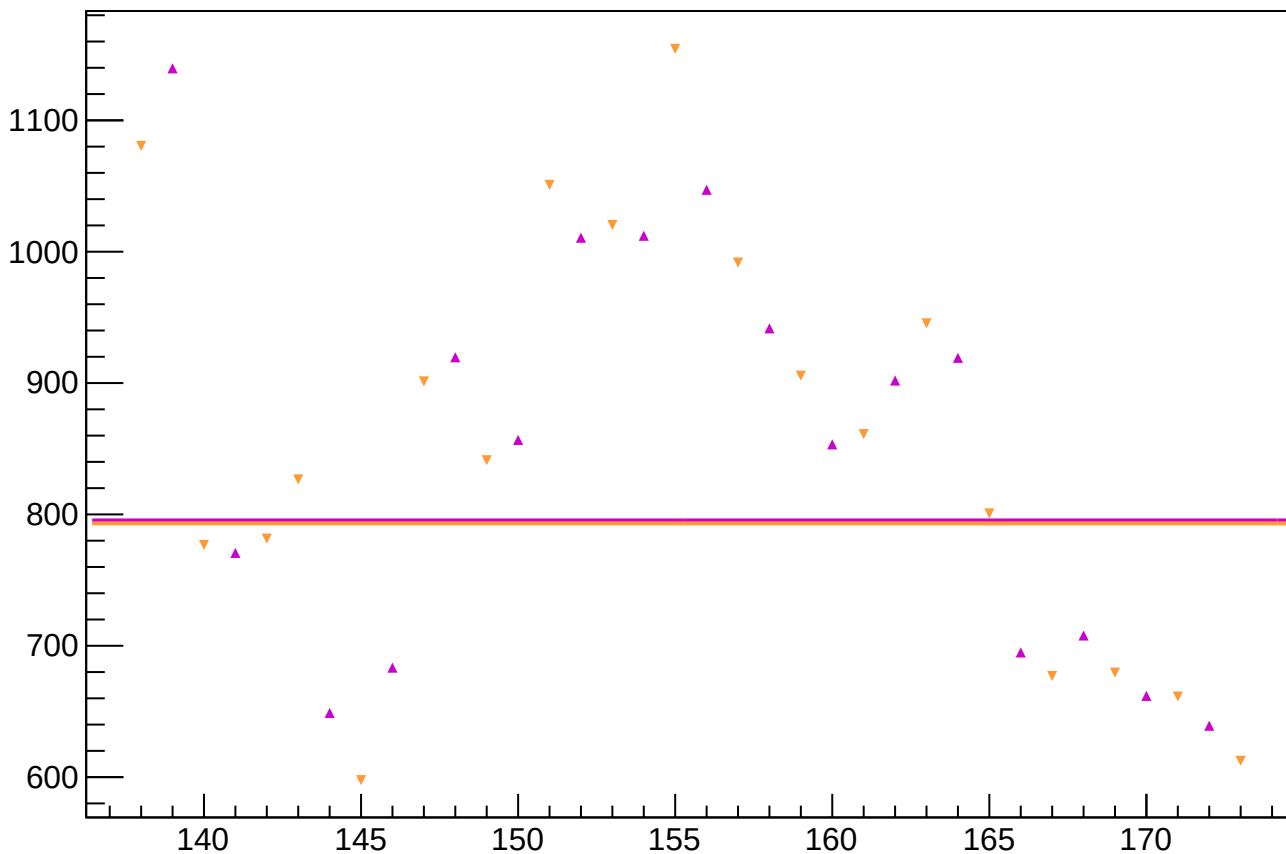
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 76.922+/-222.635 χ^2/NDF :18.7/16

Out: -1136.894+/-214.577 χ^2/NDF :59.0/18

All: -552.348+/-154.499 χ^2/NDF : 93.2/35

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 793.175+/-0.152 χ^2/NDF :1043529.2/18

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

Left In: 795.406+/-0.157 χ^2/NDF :830778.7/16

Left: 794.249+/-0.109 χ^2/NDF : 1874412.0/35

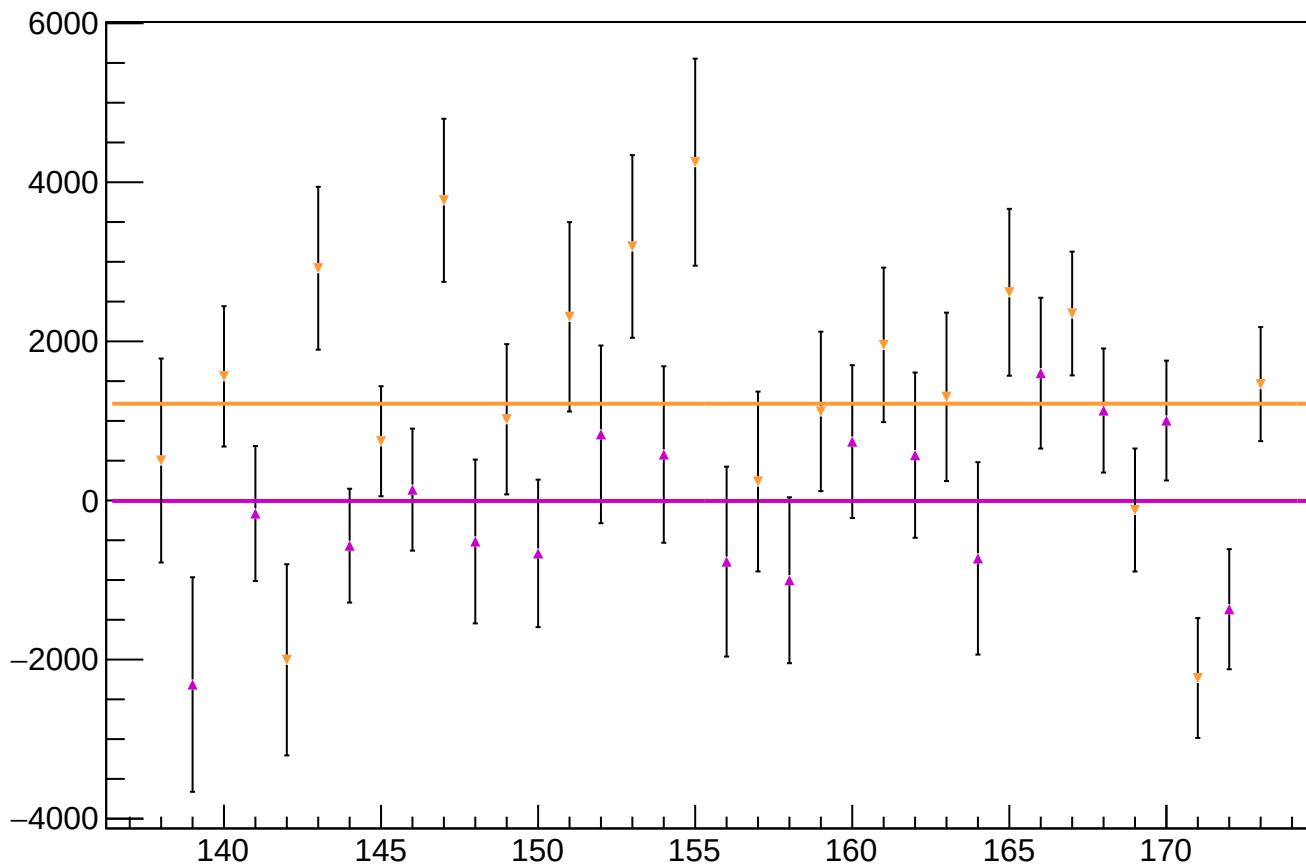
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 795.406+/-0.157 χ^2/NDF :830778.7/16

Out: 793.175+/-0.152 χ^2/NDF :1043529.2/18

All: 794.249+/-0.109 χ^2/NDF : 1874412.0/35

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1216.669+/-216.012 χ^2/NDF :55.7/18

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

Left In: -6.092+/-224.136 χ^2/NDF :17.8/16

Left: 627.849+/-155.536 χ^2/NDF : 89.0/35

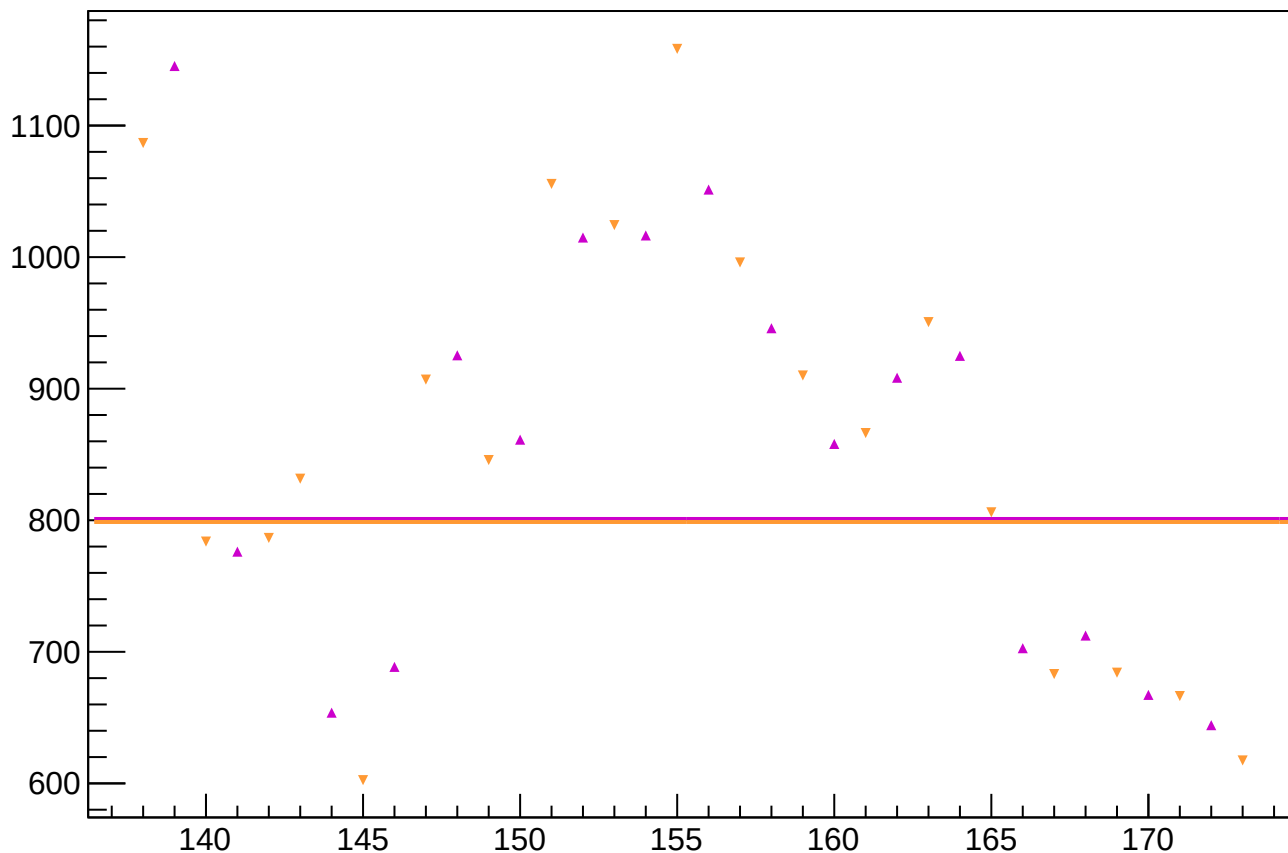
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -6.092+/-224.136 χ^2/NDF :17.8/16

Out: 1216.669+/-216.012 χ^2/NDF :55.7/18

All: 627.849+/-155.536 χ^2/NDF : 89.0/35

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 798.694+/-0.153 χ^2/NDF :1029368.3/18

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

Left In: 800.968+/-0.158 χ^2/NDF :818870.2/16

Left: 799.789+/-0.110 χ^2/NDF : 1848345.2/35

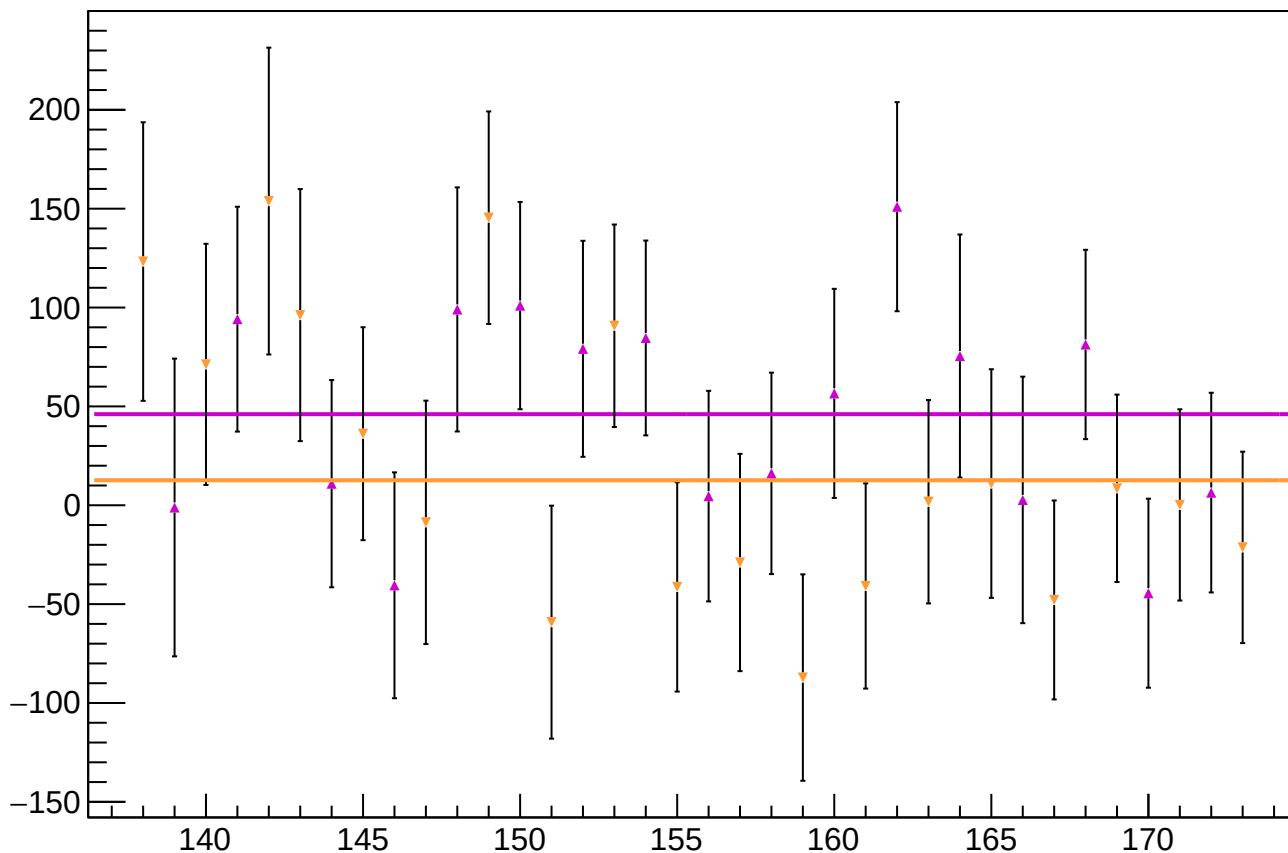
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 800.968+/-0.158 χ^2/NDF :818870.2/16

Out: 798.694+/-0.153 χ^2/NDF :1029368.3/18

All: 799.789+/-0.110 χ^2/NDF : 1848345.2/35

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 12.645 $\pm$ 12.594 χ^2 /NDF:27.0/18

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

Left In: 46.069 $\pm$ 13.164 χ^2 /NDF:17.1/16

Left: 28.618 $\pm$ 9.100 χ^2 /NDF: 47.5/35

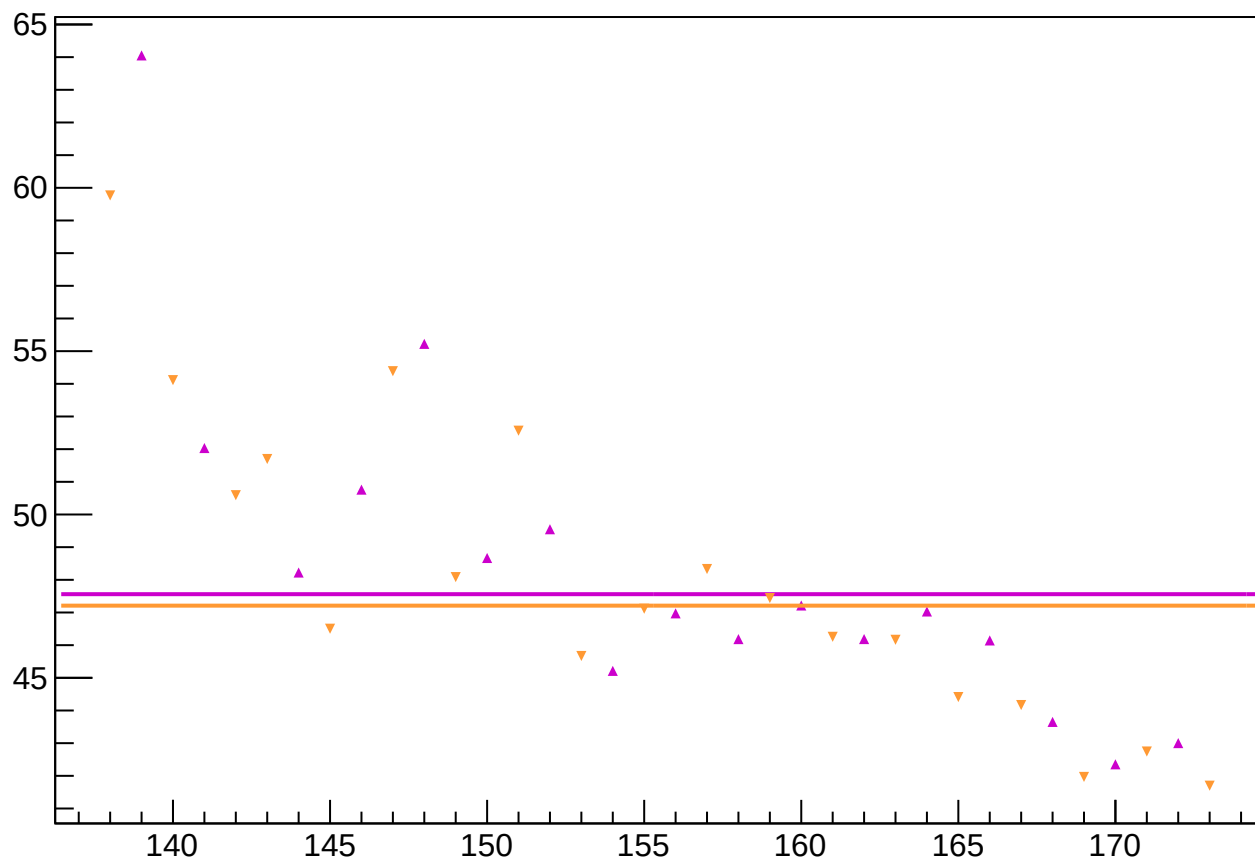
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 46.069 $\pm$ 13.164 χ^2 /NDF:17.1/16

Out: 12.645 $\pm$ 12.594 χ^2 /NDF:27.0/18

All: 28.618 $\pm$ 9.100 χ^2 /NDF: 47.5/35

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 47.210+/-0.009 χ^2/NDF :231115.4/18

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

Left In: 47.561+/-0.009 χ^2/NDF :211532.2/16

Left: 47.378+/-0.006 χ^2/NDF : 443390.1/35

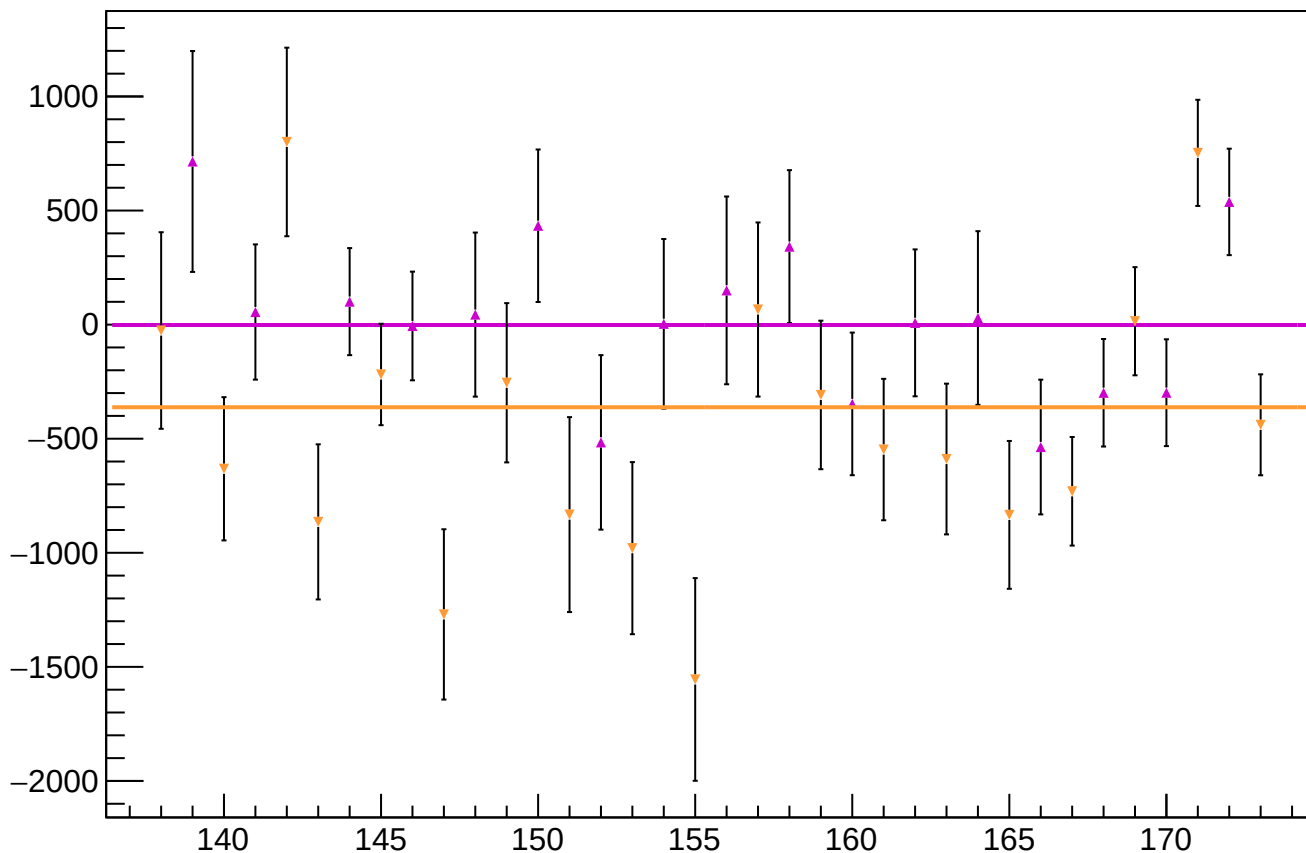
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 47.561+/-0.009 χ^2/NDF :211532.2/16

Out: 47.210+/-0.009 χ^2/NDF :231115.4/18

All: 47.378+/-0.006 χ^2/NDF : 443390.1/35

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -362.023+/-70.184 χ^2/NDF :61.2/18

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

Left In: -1.666+/-72.563 χ^2/NDF :20.2/16

Left: -187.849+/-50.447 χ^2/NDF : 94.2/35

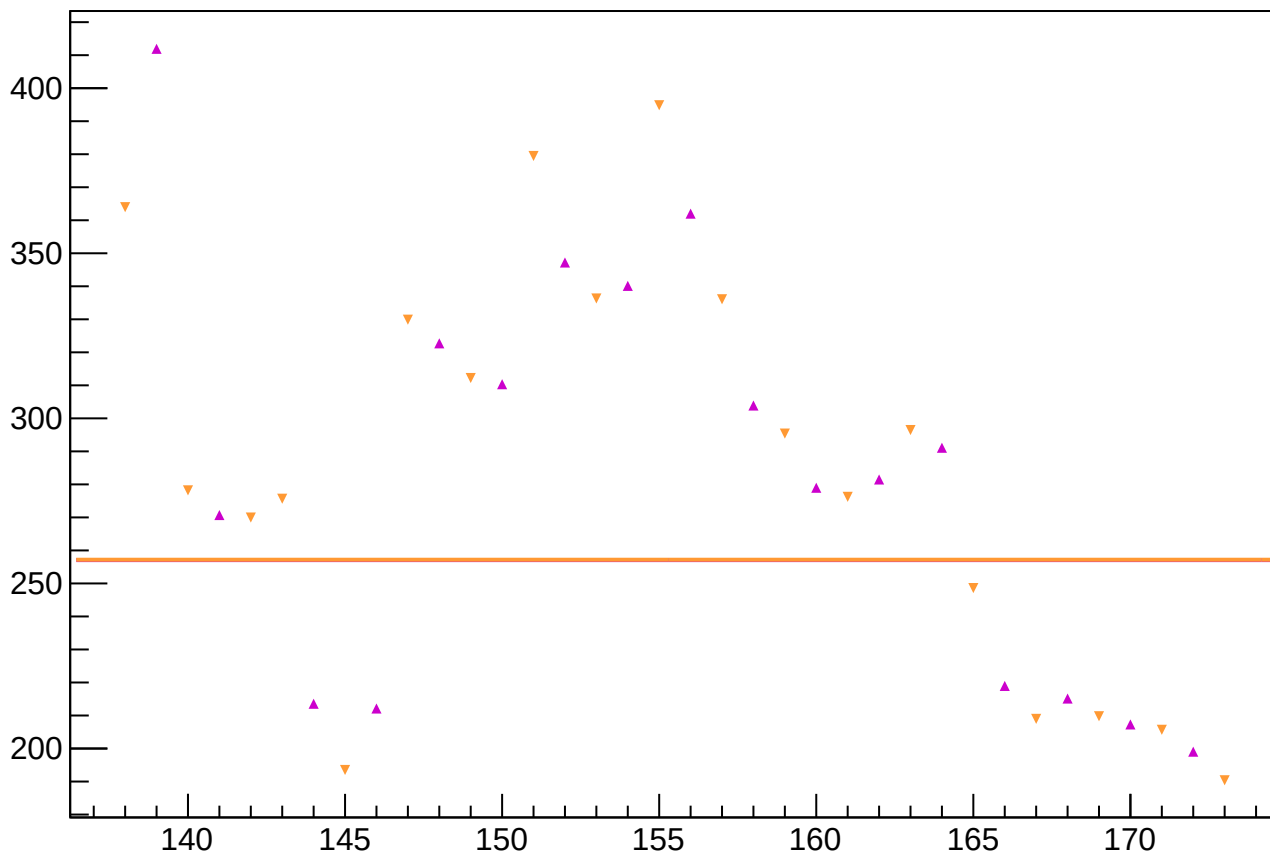
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.666+/-72.563 χ^2/NDF :20.2/16

Out: -362.023+/-70.184 χ^2/NDF :61.2/18

All: -187.849+/-50.447 χ^2/NDF : 94.2/35

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 257.183+/-0.050 χ^2/NDF :1466023.2/18

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

Left In: 257.071+/-0.051 χ^2/NDF :1194641.4/16

Left: 257.129+/-0.036 χ^2/NDF : 2660667.1/35

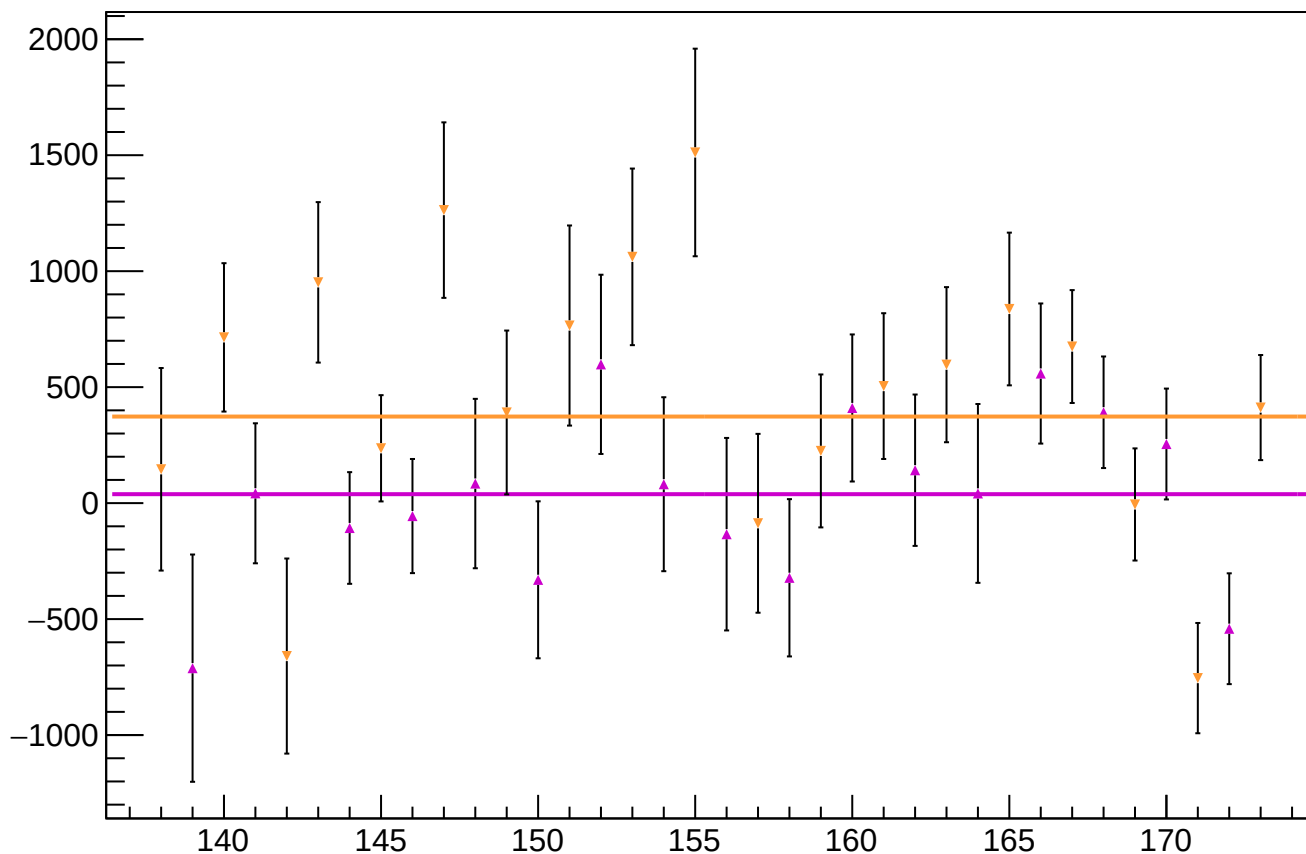
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 257.071+/-0.051 χ^2/NDF :1194641.4/16

Out: 257.183+/-0.050 χ^2/NDF :1466023.2/18

All: 257.129+/-0.036 χ^2/NDF : 2660667.1/35

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 373.226+/-71.471 χ^2/NDF :57.5/18

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

Left In: 38.556+/-73.959 χ^2/NDF :20.8/16

Left: 211.615+/-51.395 χ^2/NDF : 88.8/35

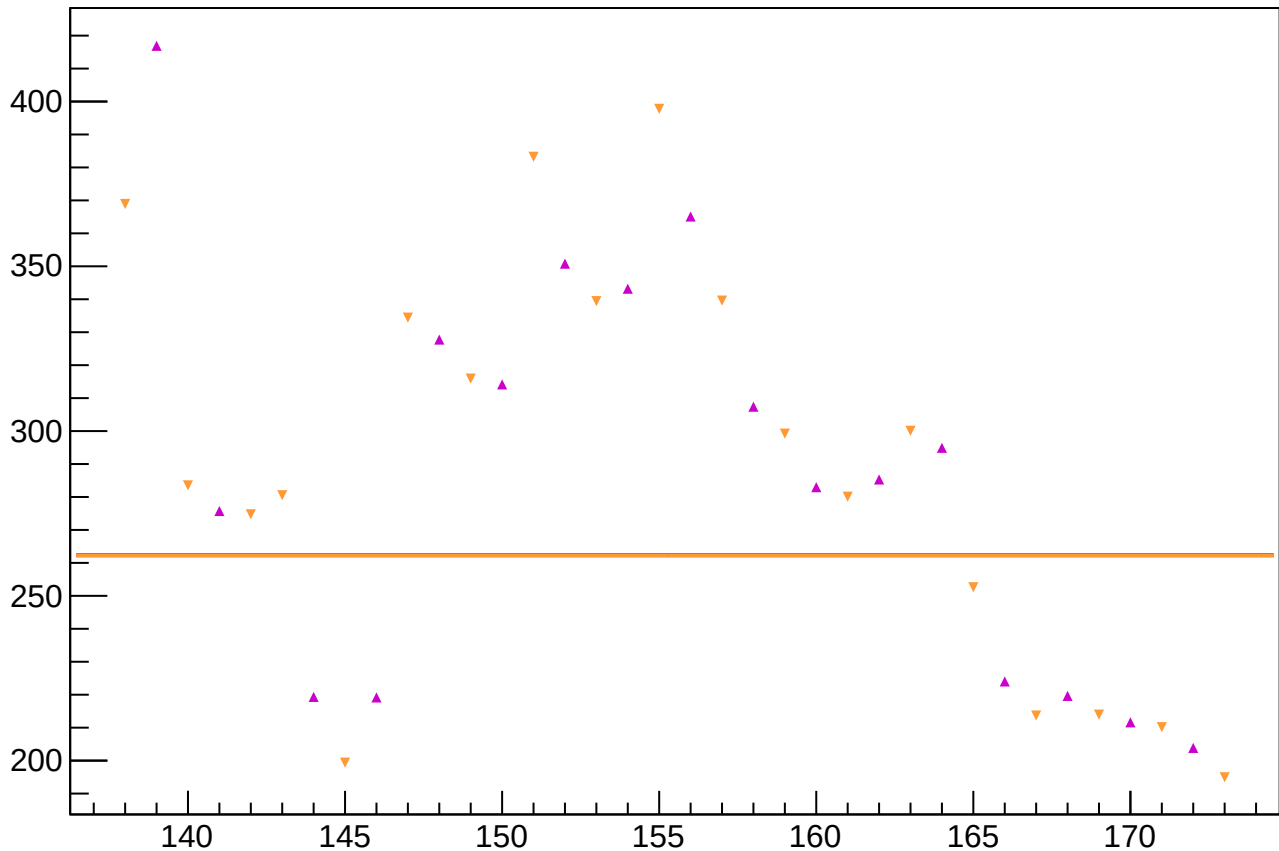
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 38.556+/-73.959 χ^2/NDF :20.8/16

Out: 373.226+/-71.471 χ^2/NDF :57.5/18

All: 211.615+/-51.395 χ^2/NDF : 88.8/35

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 262.237+/-0.051 χ^2/NDF :1399681.1/18

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

Left In: 262.365+/-0.052 χ^2/NDF :1133172.9/16

Left: 262.299+/-0.036 χ^2/NDF : 2532857.0/35

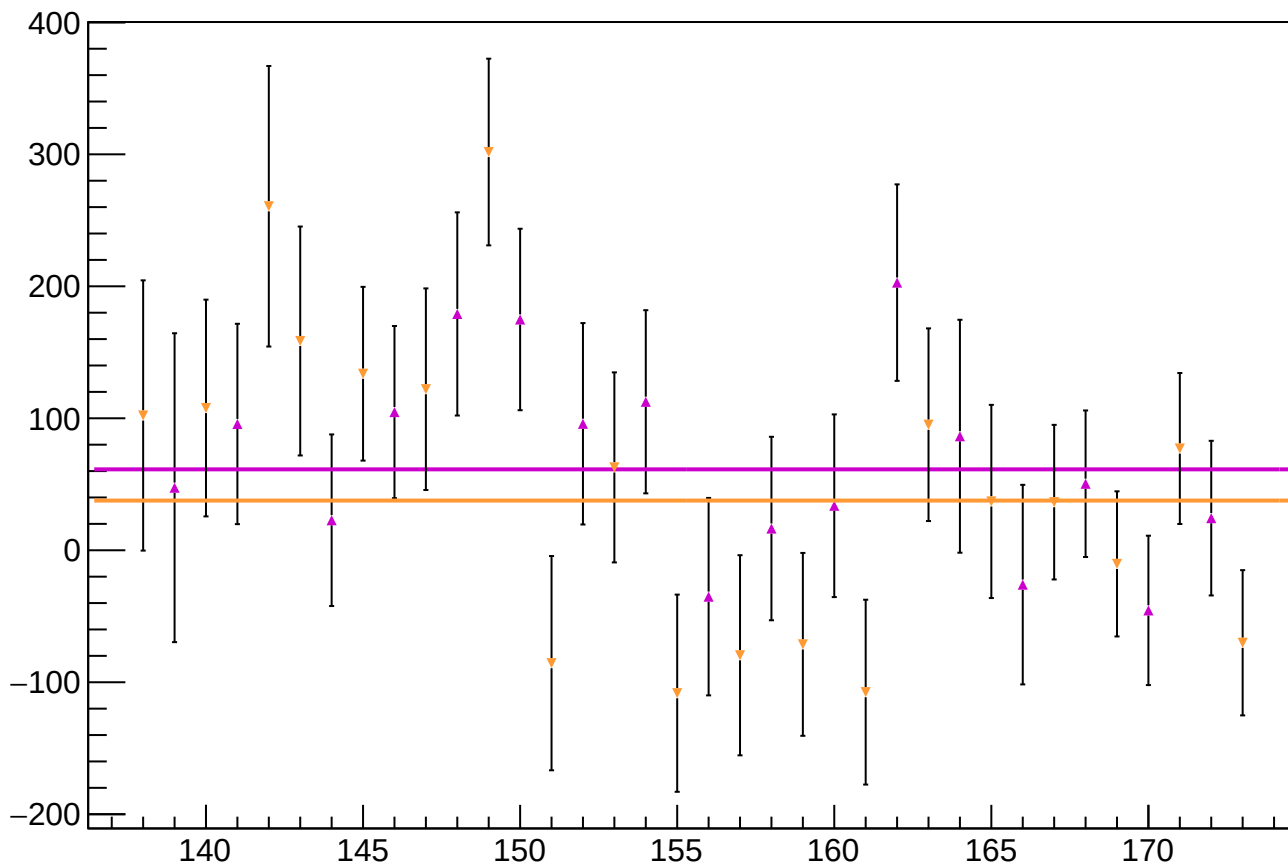
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 262.365+/-0.052 χ^2/NDF :1133172.9/16

Out: 262.237+/-0.051 χ^2/NDF :1399681.1/18

All: 262.299+/-0.036 χ^2/NDF : 2532857.0/35

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 37.666+/-16.200 χ^2/NDF :45.9/18

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

Left In: 61.314+/-16.941 χ^2/NDF :18.1/16

Left: 48.962+/-11.709 χ^2/NDF : 65.0/35

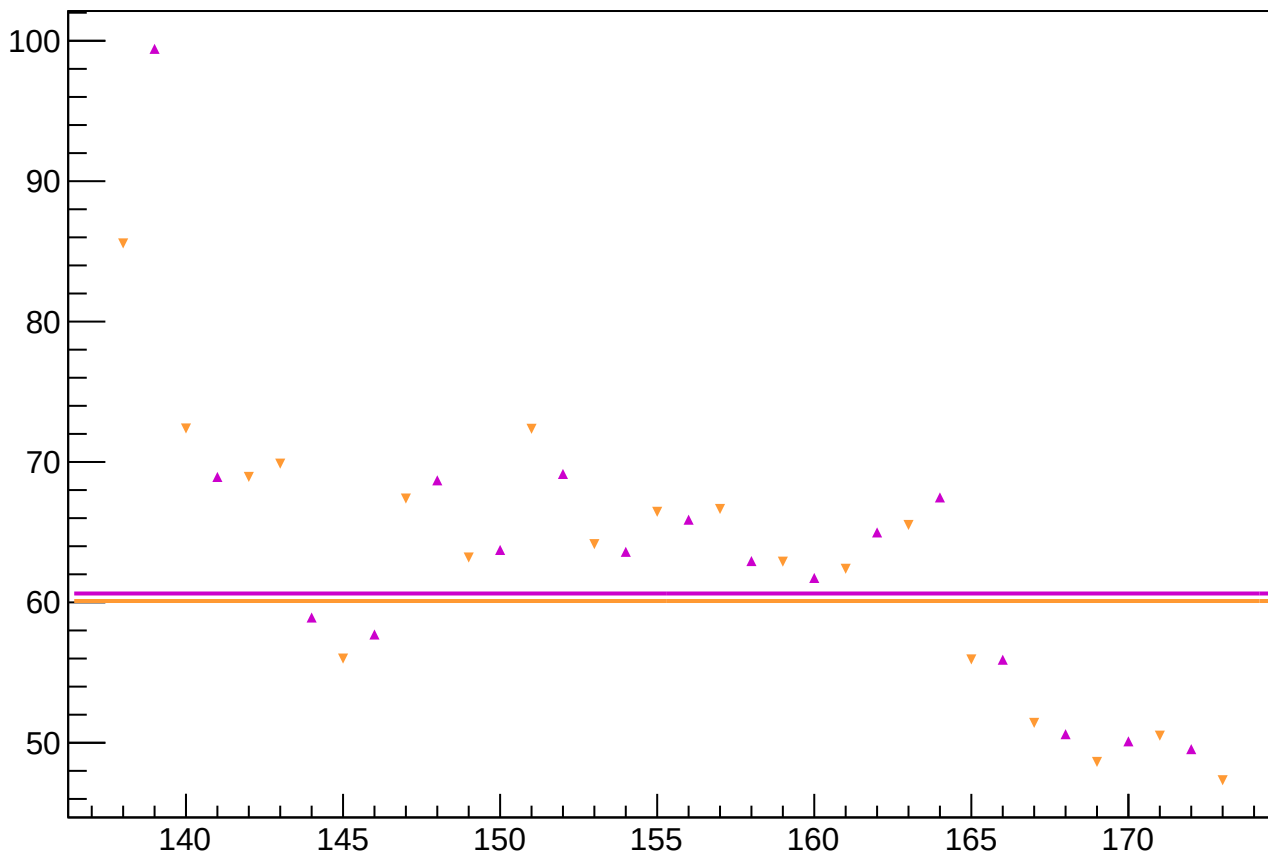
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 61.314+/-16.941 χ^2/NDF :18.1/16

Out: 37.666+/-16.200 χ^2/NDF :45.9/18

All: 48.962+/-11.709 χ^2/NDF : 65.0/35

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 60.098+/-0.011 χ^2/NDF :636776.5/18

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

Left In: 60.633+/-0.012 χ^2/NDF :548961.1/16

Left: 60.354+/-0.008 χ^2/NDF : 1186778.8/35

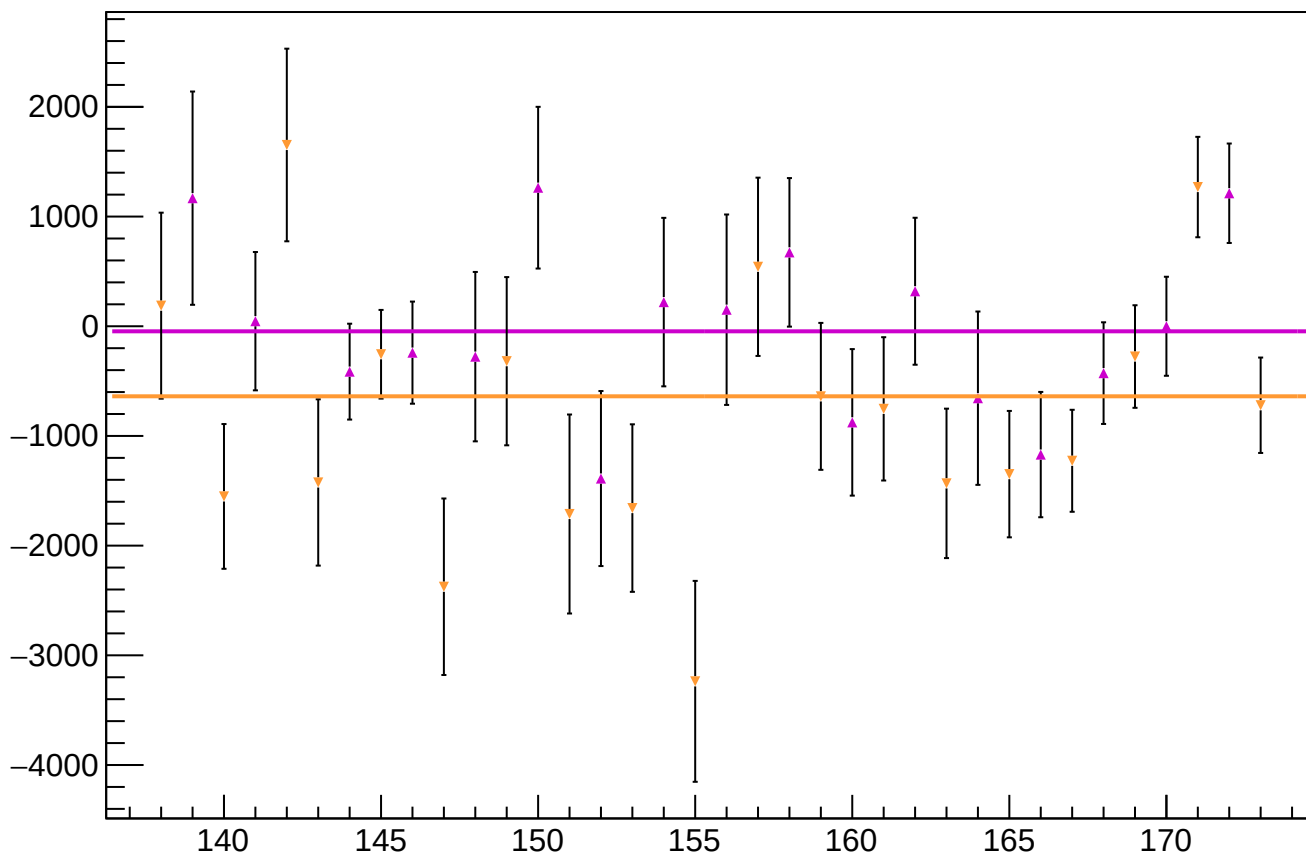
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 60.633+/-0.012 χ^2/NDF :548961.1/16

Out: 60.098+/-0.011 χ^2/NDF :636776.5/18

All: 60.354+/-0.008 χ^2/NDF : 1186778.8/35

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -638.634+/-140.400 χ^2/NDF :52.3/18

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

Left In: -46.151+/-145.429 χ^2/NDF :24.5/16

Left: -352.813+/-101.009 χ^2/NDF : 85.5/35

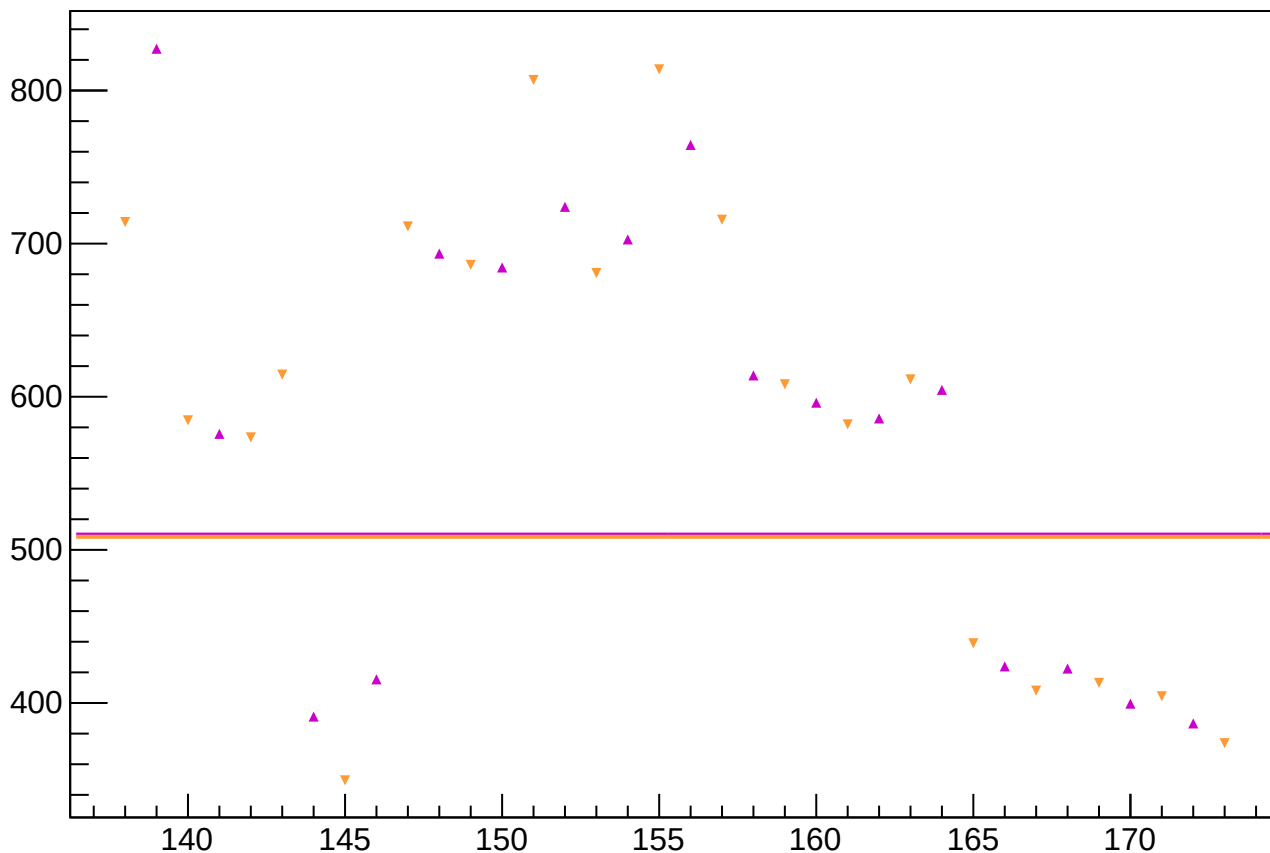
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -46.151+/-145.429 χ^2/NDF :24.5/16

Out: -638.634+/-140.400 χ^2/NDF :52.3/18

All: -352.813+/-101.009 χ^2/NDF : 85.5/35

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 508.567+/-0.099 χ^2/NDF :2024675.9/18

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

Left In: 509.972+/-0.103 χ^2/NDF :1651065.0/16

Left: 509.245+/-0.071 χ^2/NDF : 3675837.5/35

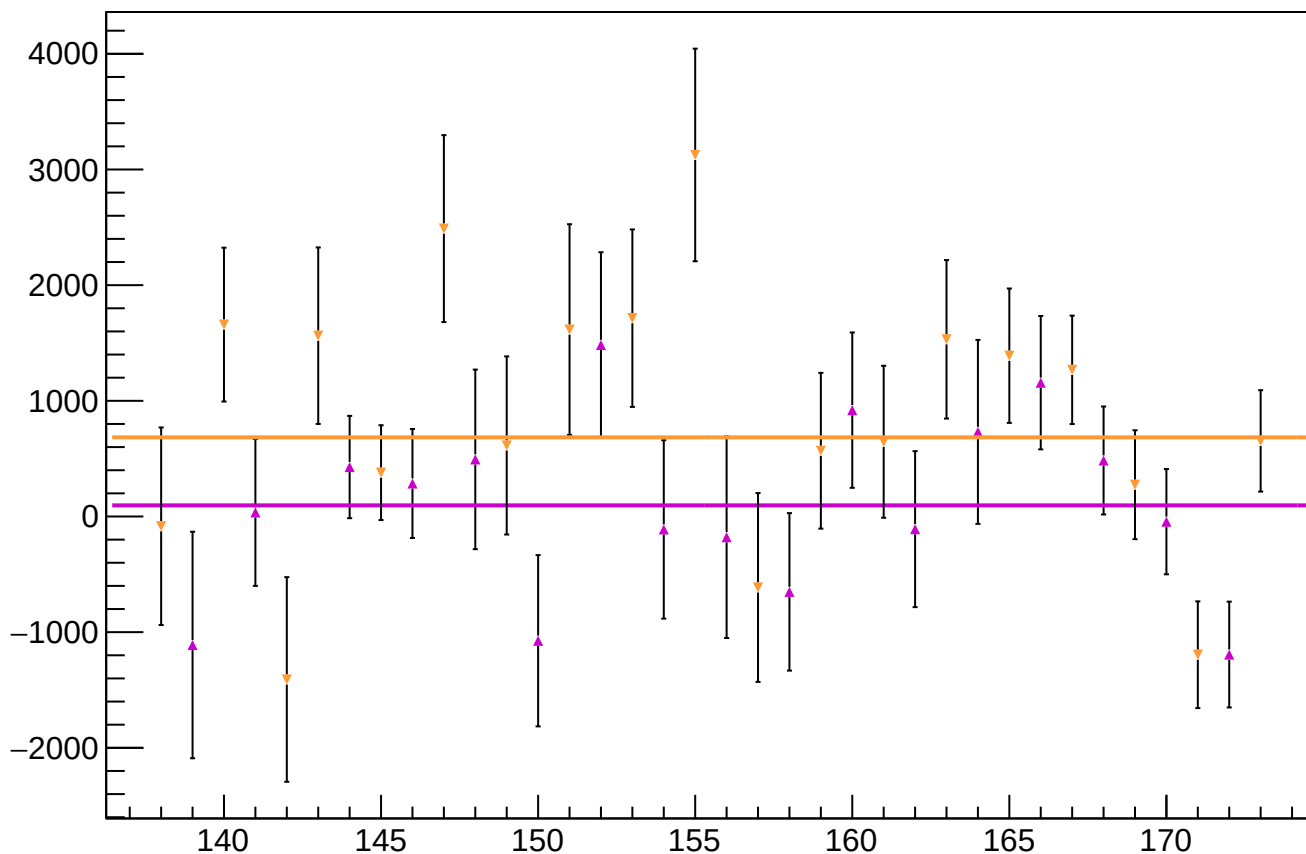
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 509.972+/-0.103 χ^2/NDF :1651065.0/16

Out: 508.567+/-0.099 χ^2/NDF :2024675.9/18

All: 509.245+/-0.071 χ^2/NDF : 3675837.5/35

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 684.363+/-141.470 χ^2/NDF :49.8/18

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

Left In: 96.194+/-146.576 χ^2/NDF :23.7/16

Left: 400.700+/-101.792 χ^2/NDF : 81.9/35

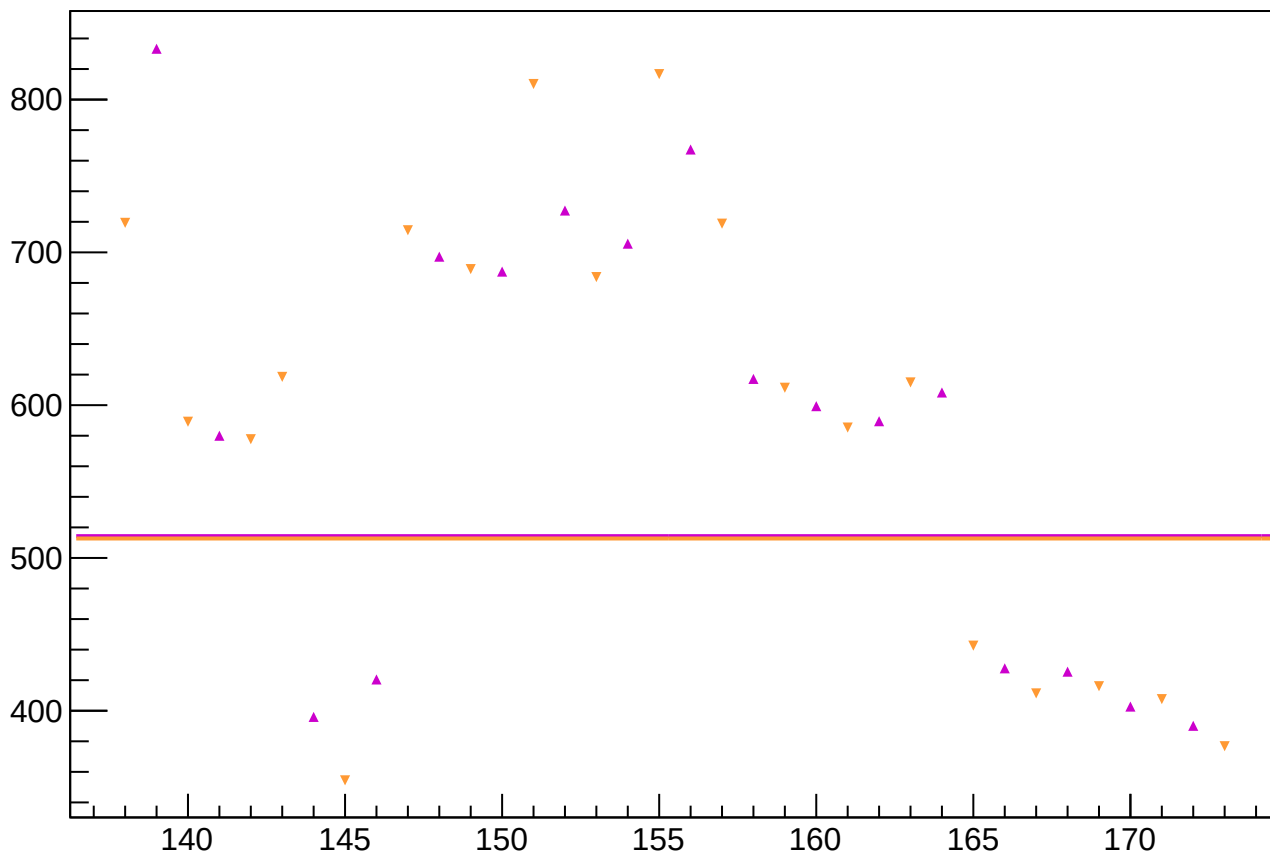
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 96.194+/-146.576 χ^2/NDF :23.7/16

Out: 684.363+/-141.470 χ^2/NDF :49.8/18

All: 400.700+/-101.792 χ^2/NDF : 81.9/35

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 512.735+/-0.100 χ^2/NDF :1994322.2/18

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

Left In: 514.277+/-0.104 χ^2/NDF :1625142.1/16

Left: 513.479+/-0.072 χ^2/NDF : 3619578.8/35

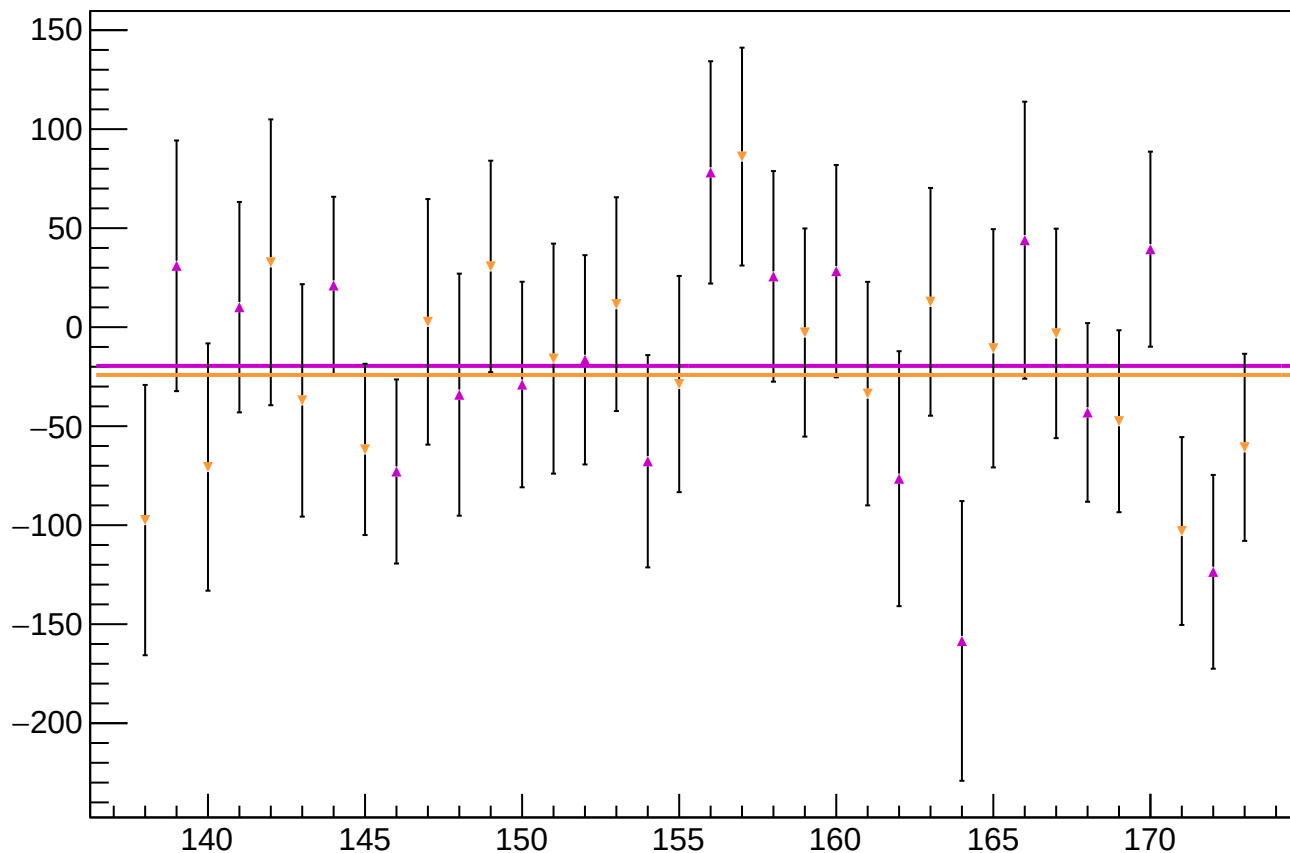
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 514.277+/-0.104 χ^2/NDF :1625142.1/16

Out: 512.735+/-0.100 χ^2/NDF :1994322.2/18

All: 513.479+/-0.072 χ^2/NDF : 3619578.8/35

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -24.145+/-12.517 χ^2/NDF :13.3/18

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

Left In: -19.561+/-13.023 χ^2/NDF :20.2/16

Left: -21.944+/-9.025 χ^2/NDF : 33.6/35

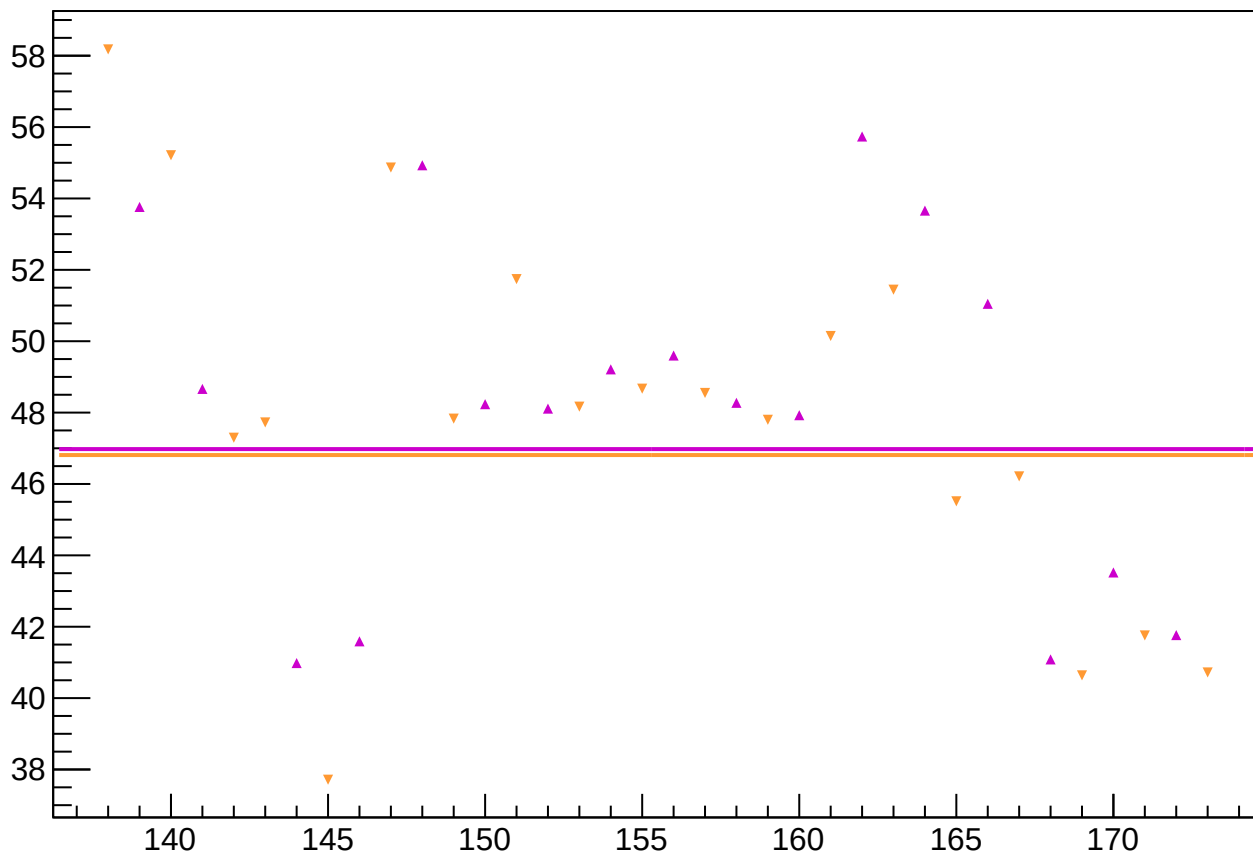
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.561+/-13.023 χ^2/NDF :20.2/16

Out: -24.145+/-12.517 χ^2/NDF :13.3/18

All: -21.944+/-9.025 χ^2/NDF : 33.6/35

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 46.810+/-0.009 χ^2/NDF :349135.8/18

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

Left In: 46.977+/-0.009 χ^2/NDF :261640.0/16

Left: 46.891+/-0.006 χ^2/NDF : 610947.1/35

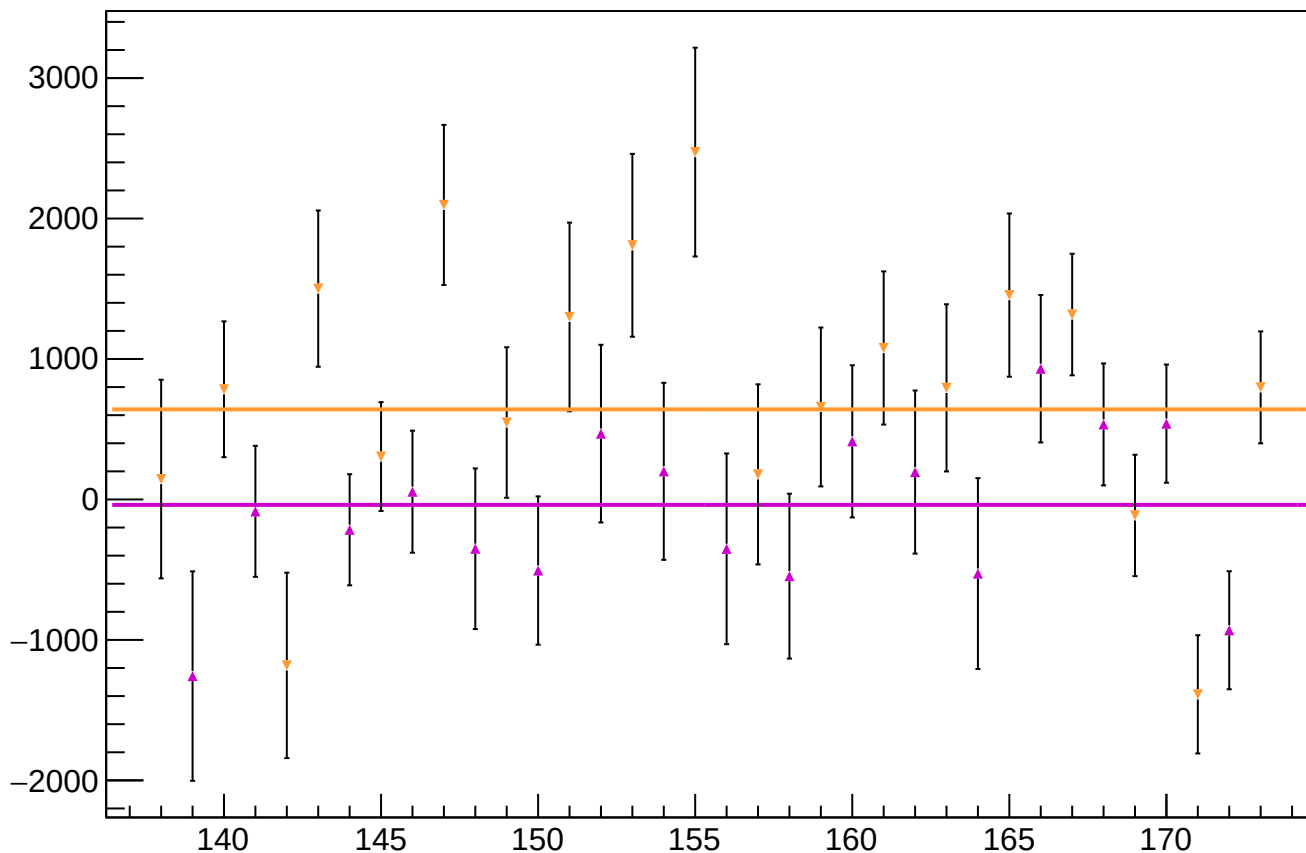
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 46.977+/-0.009 χ^2/NDF :261640.0/16

Out: 46.810+/-0.009 χ^2/NDF :349135.8/18

All: 46.891+/-0.006 χ^2/NDF : 610947.1/35

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 641.273 $\pm$ 120.596 χ^2 /NDF:60.2/18

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

Left In: -38.799 $\pm$ 125.390 χ^2 /NDF:18.7/16

Left: 314.486 $\pm$ 86.920 χ^2 /NDF: 94.2/35

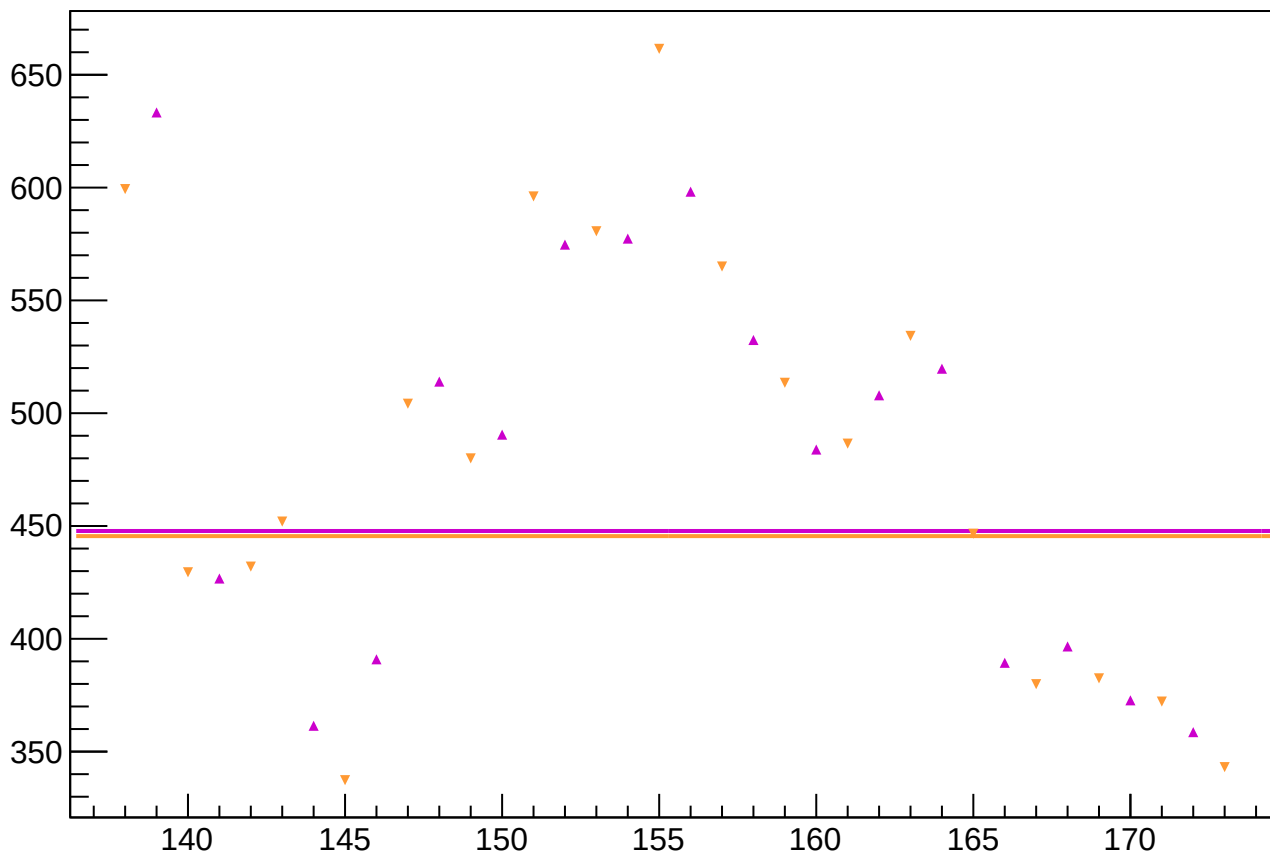
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -38.799 $\pm$ 125.390 χ^2 /NDF:18.7/16

Out: 641.273 $\pm$ 120.596 χ^2 /NDF:60.2/18

All: 314.486 $\pm$ 86.920 χ^2 /NDF: 94.2/35

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 445.516+/-0.085 χ^2/NDF :1074468.2/18

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

Left In: 447.791+/-0.089 χ^2/NDF :861226.6/16

Left: 446.610+/-0.061 χ^2/NDF : 1936036.8/35

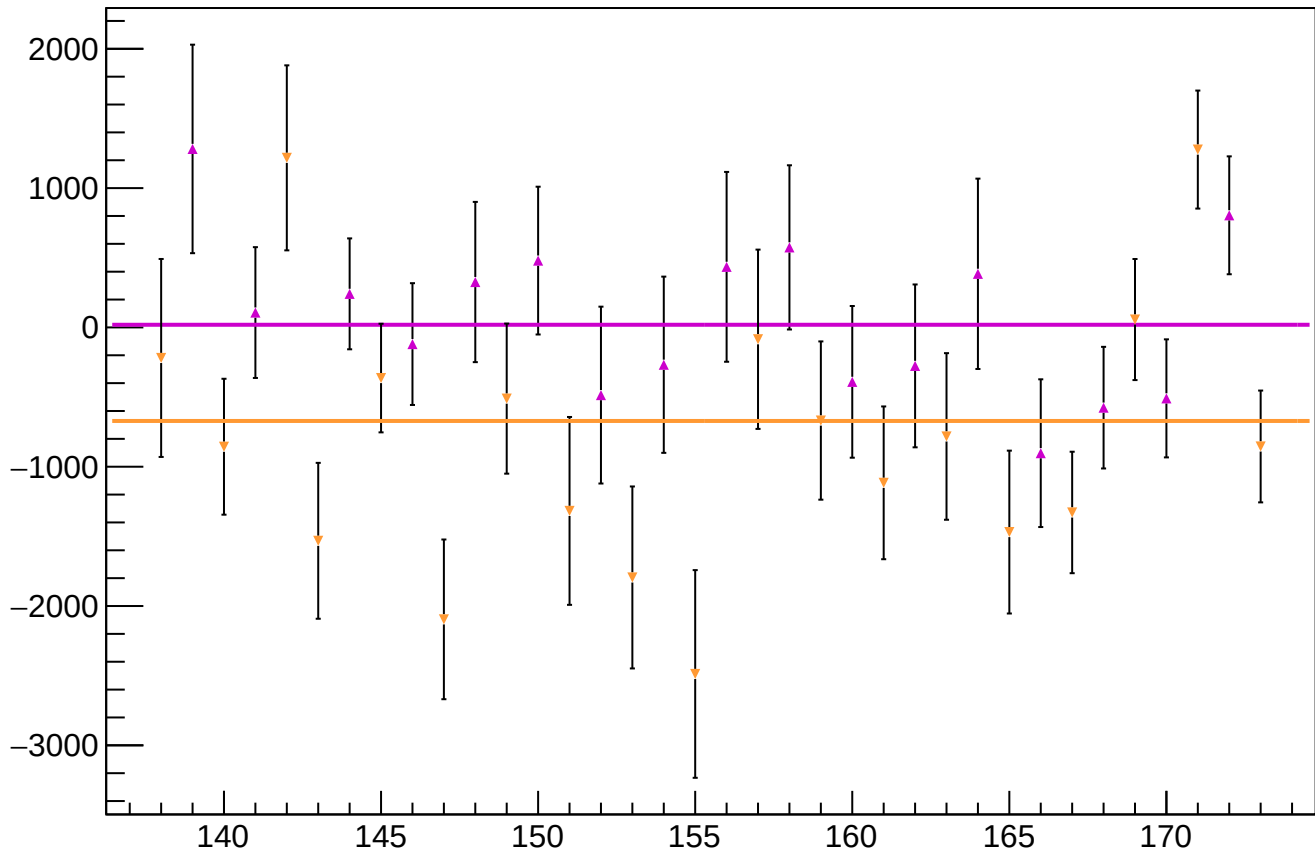
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 447.791+/-0.089 χ^2/NDF :861226.6/16

Out: 445.516+/-0.085 χ^2/NDF :1074468.2/18

All: 446.610+/-0.061 χ^2/NDF : 1936036.8/35

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -671.548+/-121.308 χ^2/NDF :57.5/18

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

Left In: 18.974+/-126.133 χ^2/NDF :17.4/16

Left: -339.747+/-87.434 χ^2/NDF : 90.5/35

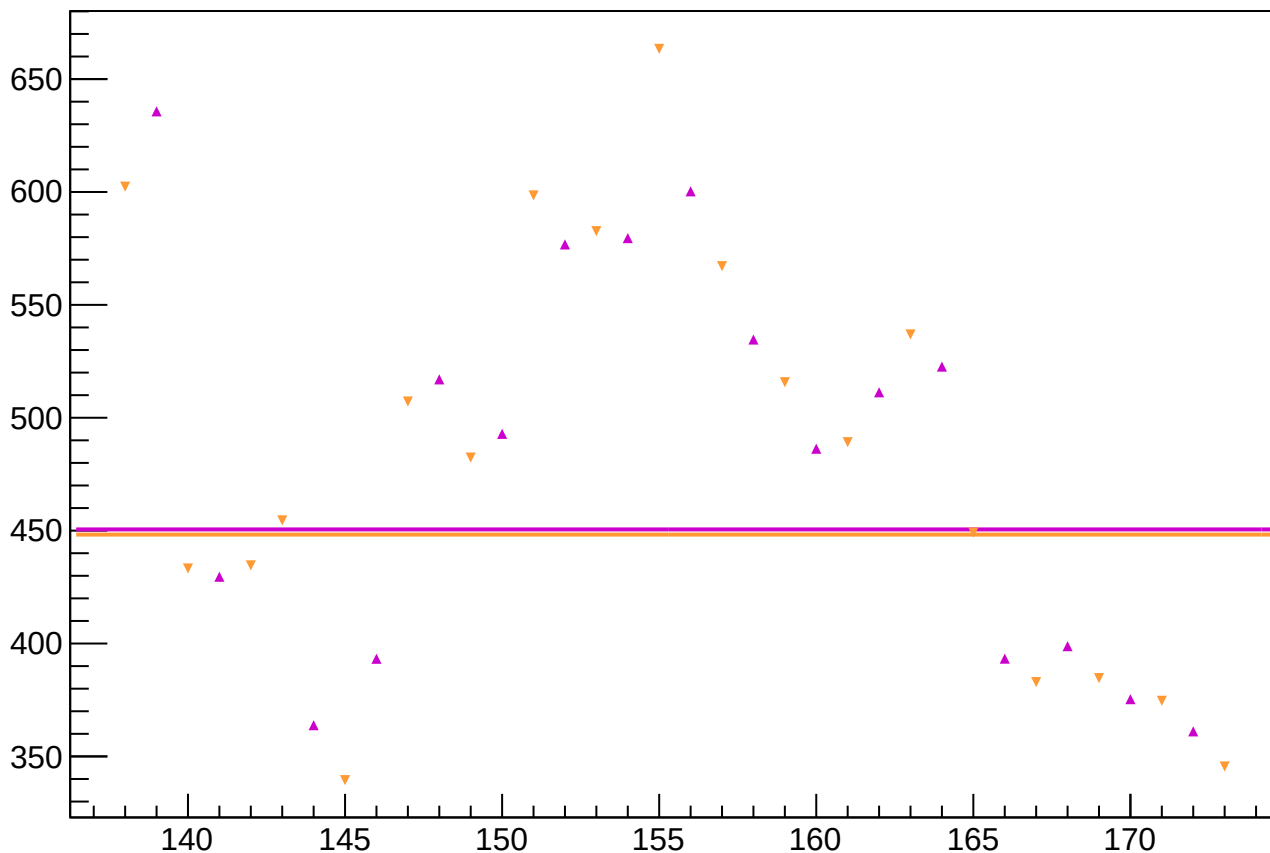
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 18.974+/-126.133 χ^2/NDF :17.4/16

Out: -671.548+/-121.308 χ^2/NDF :57.5/18

All: -339.747+/-87.434 χ^2/NDF : 90.5/35

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 448.251+/-0.086 χ^2/NDF :1063110.4/18

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

Left In: 450.543+/-0.089 χ^2/NDF :850938.7/16

Left: 449.352+/-0.062 χ^2/NDF : 1914392.3/35

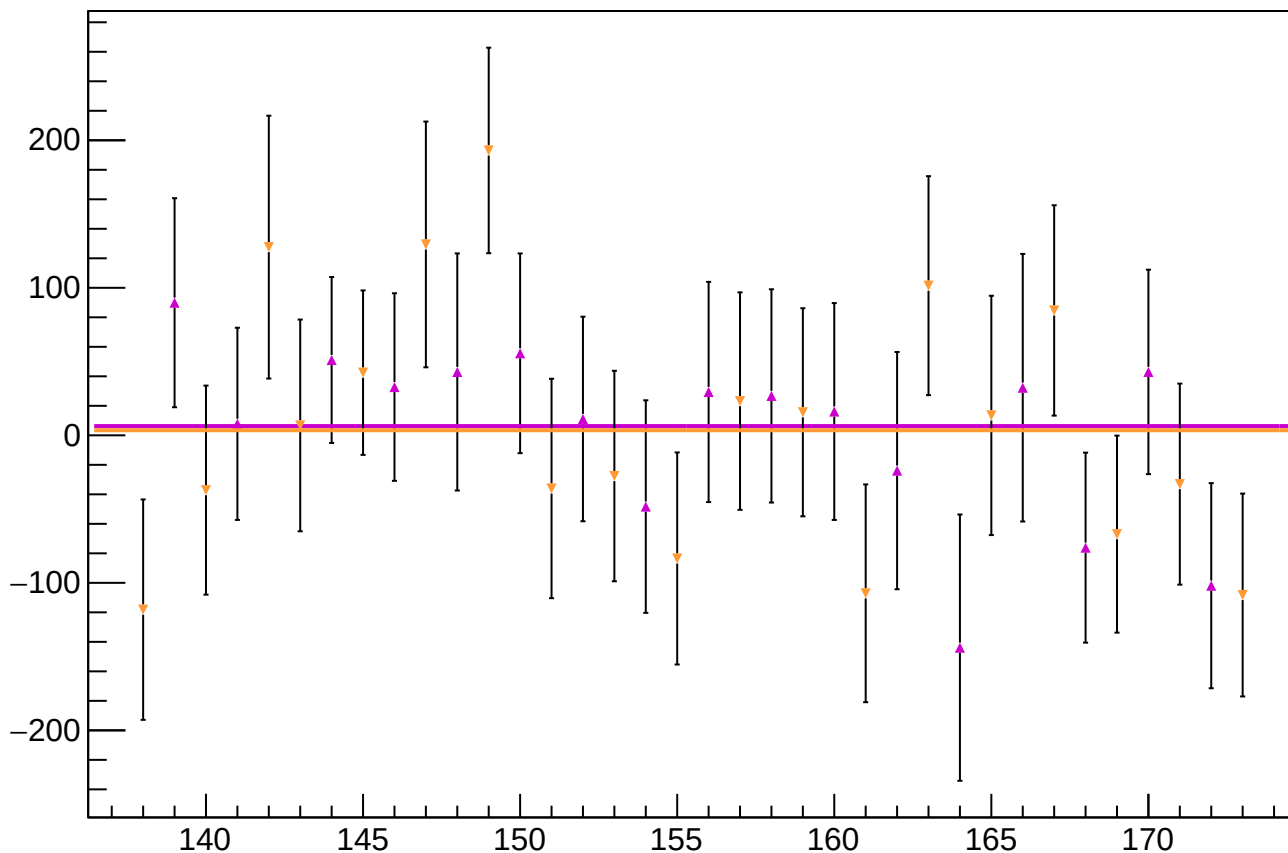
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 450.543+/-0.089 χ^2/NDF :850938.7/16

Out: 448.251+/-0.086 χ^2/NDF :1063110.4/18

All: 449.352+/-0.062 χ^2/NDF : 1914392.3/35

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 3.435 $\pm$ 16.459 χ^2 /NDF:26.5/18

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

Left In: 6.269 $\pm$ 17.192 χ^2 /NDF:11.0/16

Left: 4.790 $\pm$ 11.889 χ^2 /NDF: 37.5/35

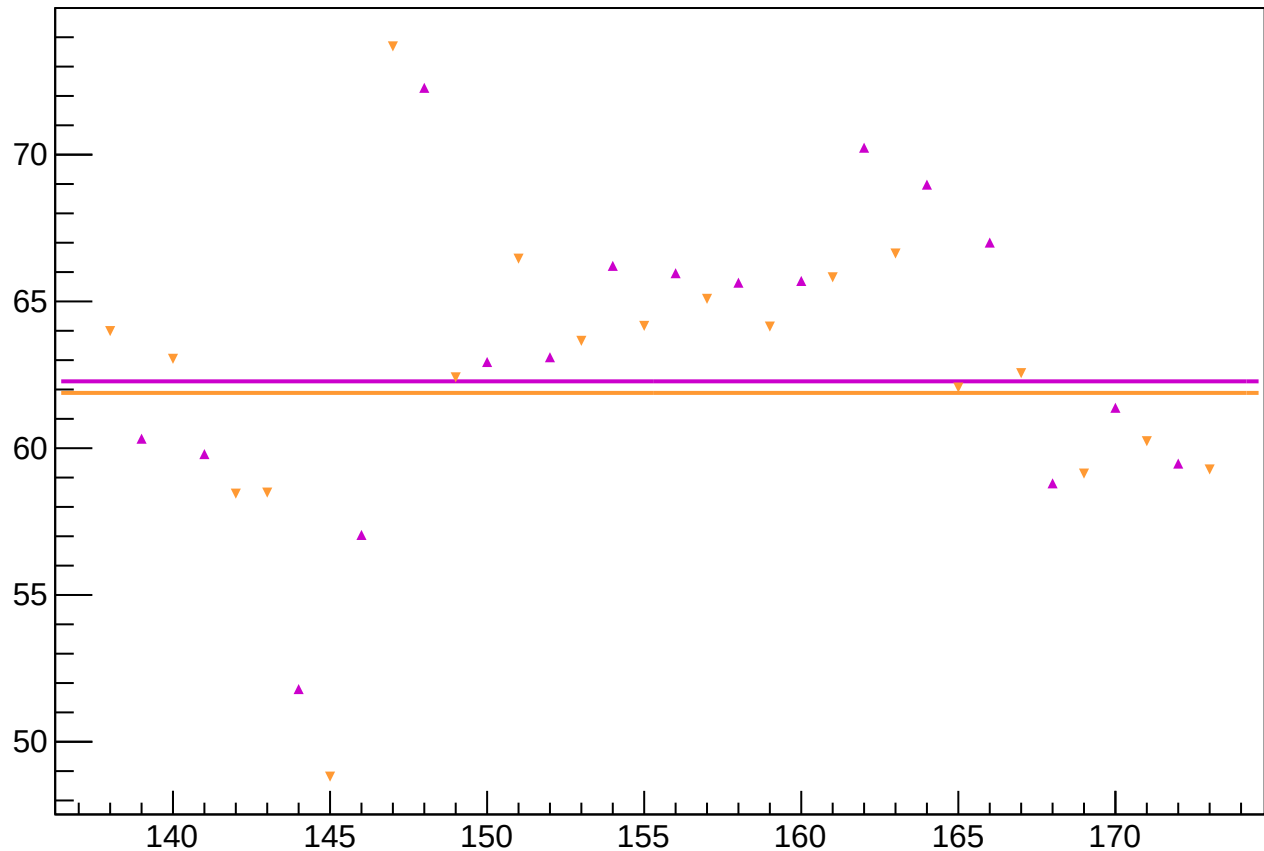
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 6.269 $\pm$ 17.192 χ^2 /NDF:11.0/16

Out: 3.435 $\pm$ 16.459 χ^2 /NDF:26.5/18

All: 4.790 $\pm$ 11.889 χ^2 /NDF: 37.5/35

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 61.884+/-0.012 χ^2/NDF :198061.3/18

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

Left In: 62.278+/-0.012 χ^2/NDF :183852.4/16

Left: 62.072+/-0.008 χ^2/NDF : 382461.1/35

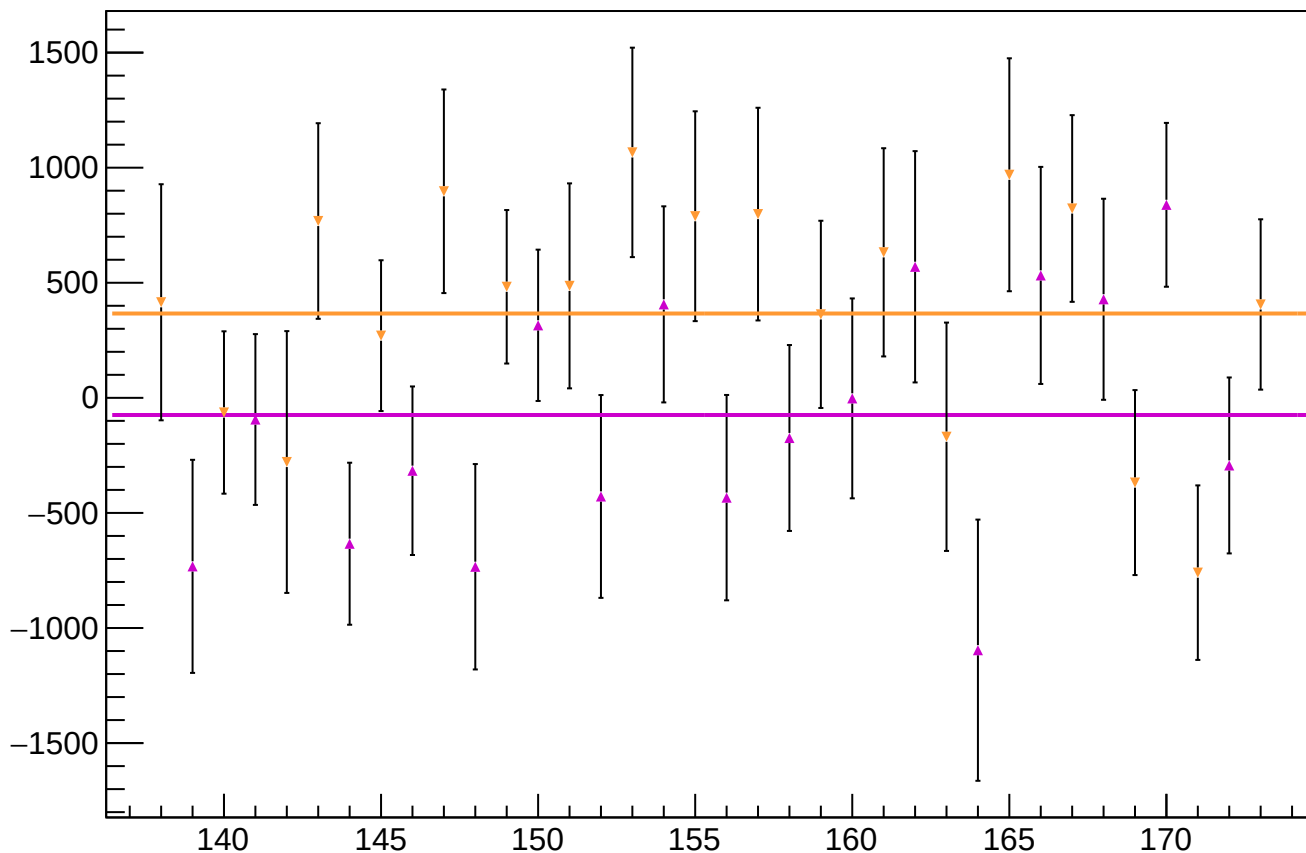
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.278+/-0.012 χ^2/NDF :183852.4/16

Out: 61.884+/-0.012 χ^2/NDF :198061.3/18

All: 62.072+/-0.008 χ^2/NDF : 382461.1/35

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 366.418+/-95.916 χ^2/NDF :25.9/18

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

Left In: -74.508+/-99.800 χ^2/NDF :26.0/16

Left: 154.701+/-69.155 χ^2/NDF : 62.0/35

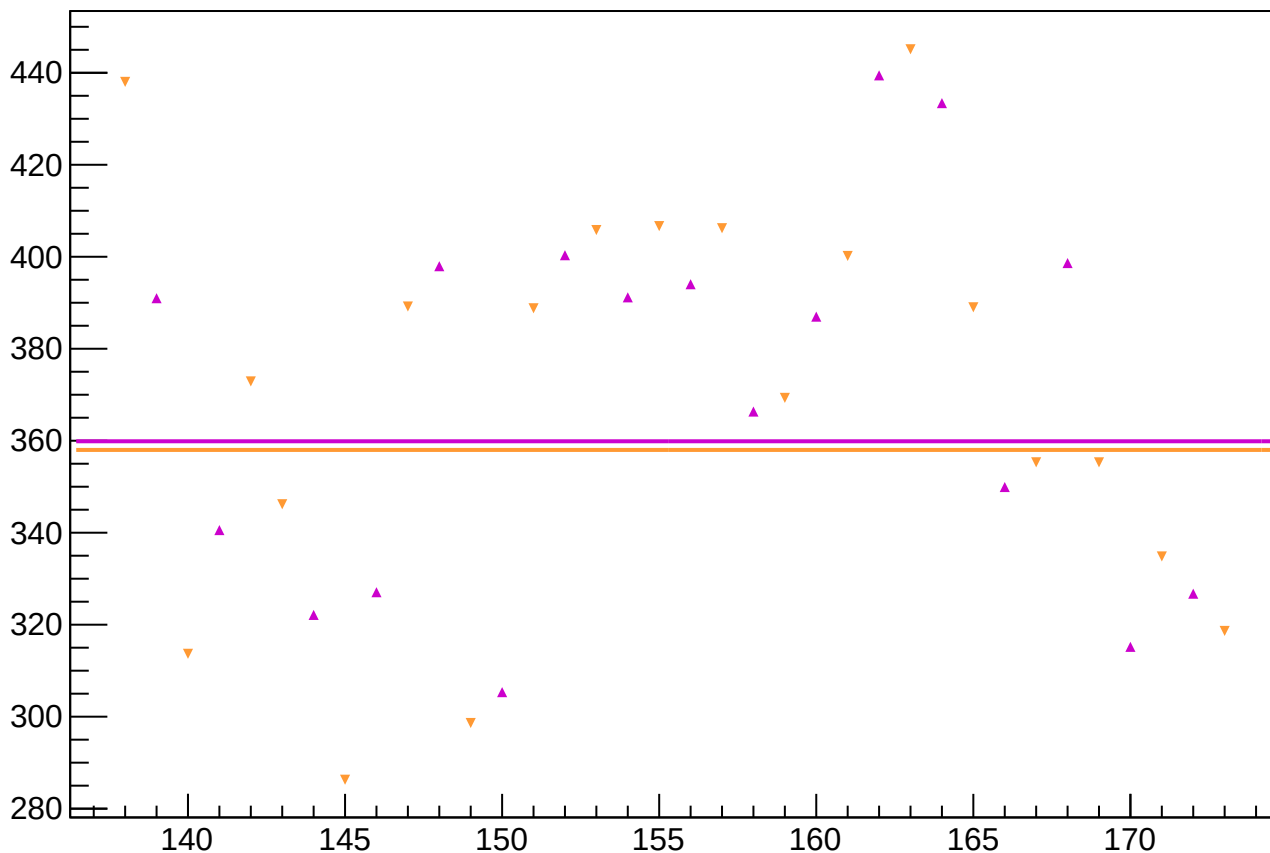
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -74.508+/-99.800 χ^2/NDF :26.0/16

Out: 366.418+/-95.916 χ^2/NDF :25.9/18

All: 154.701+/-69.155 χ^2/NDF : 62.0/35

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 358.000+/-0.068 χ^2/NDF :446970.6/18

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

Left In: 359.880+/-0.071 χ^2/NDF :317739.7/16

Left: 358.903+/-0.049 χ^2/NDF : 765079.5/35

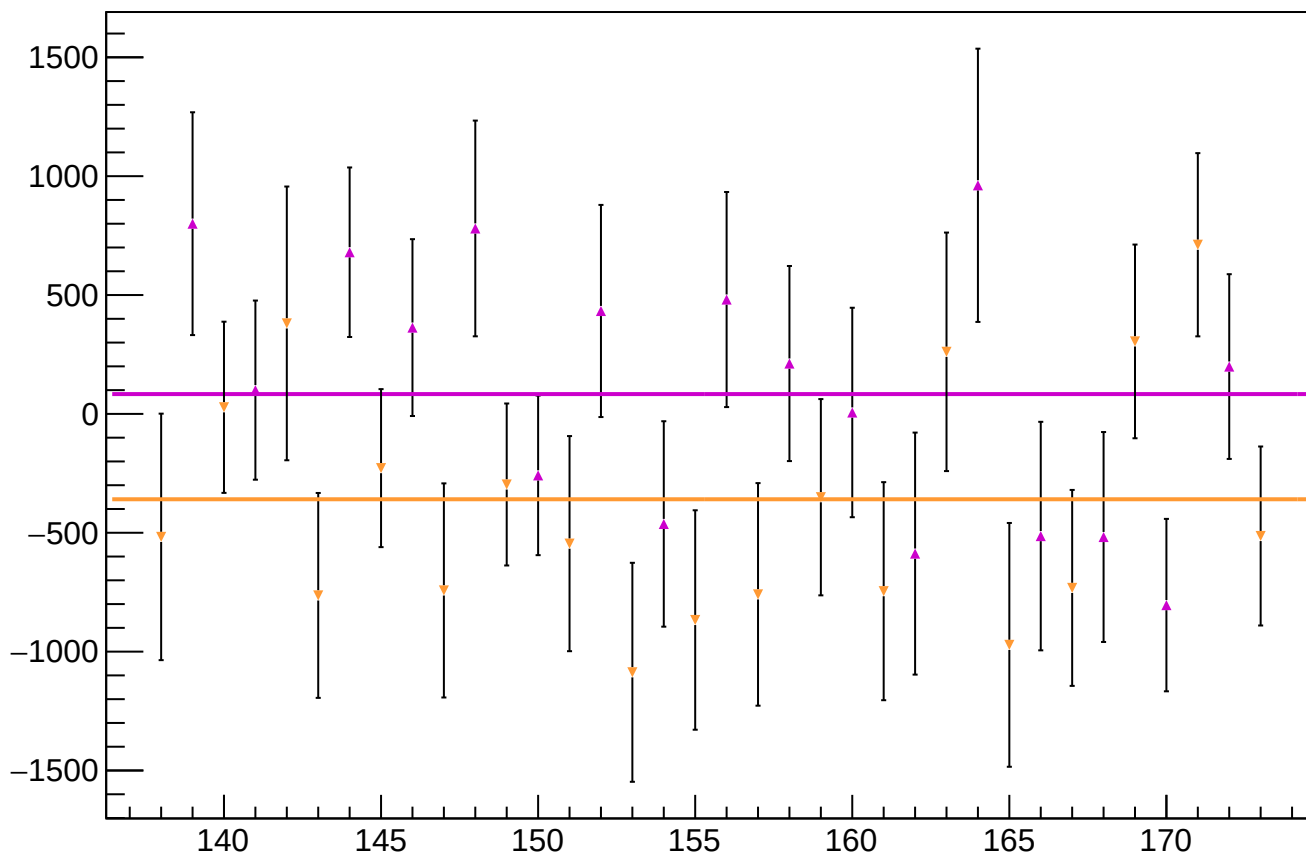
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 359.880+/-0.071 χ^2/NDF :317739.7/16

Out: 358.000+/-0.068 χ^2/NDF :446970.6/18

All: 358.903+/-0.049 χ^2/NDF : 765079.5/35

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -359.094 $\pm$ 97.408 χ^2 /NDF:24.3/18

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

Left In: 83.371 $\pm$ 101.351 χ^2 /NDF:25.8/16

Left: -146.636 $\pm$ 70.230 χ^2 /NDF: 60.0/35

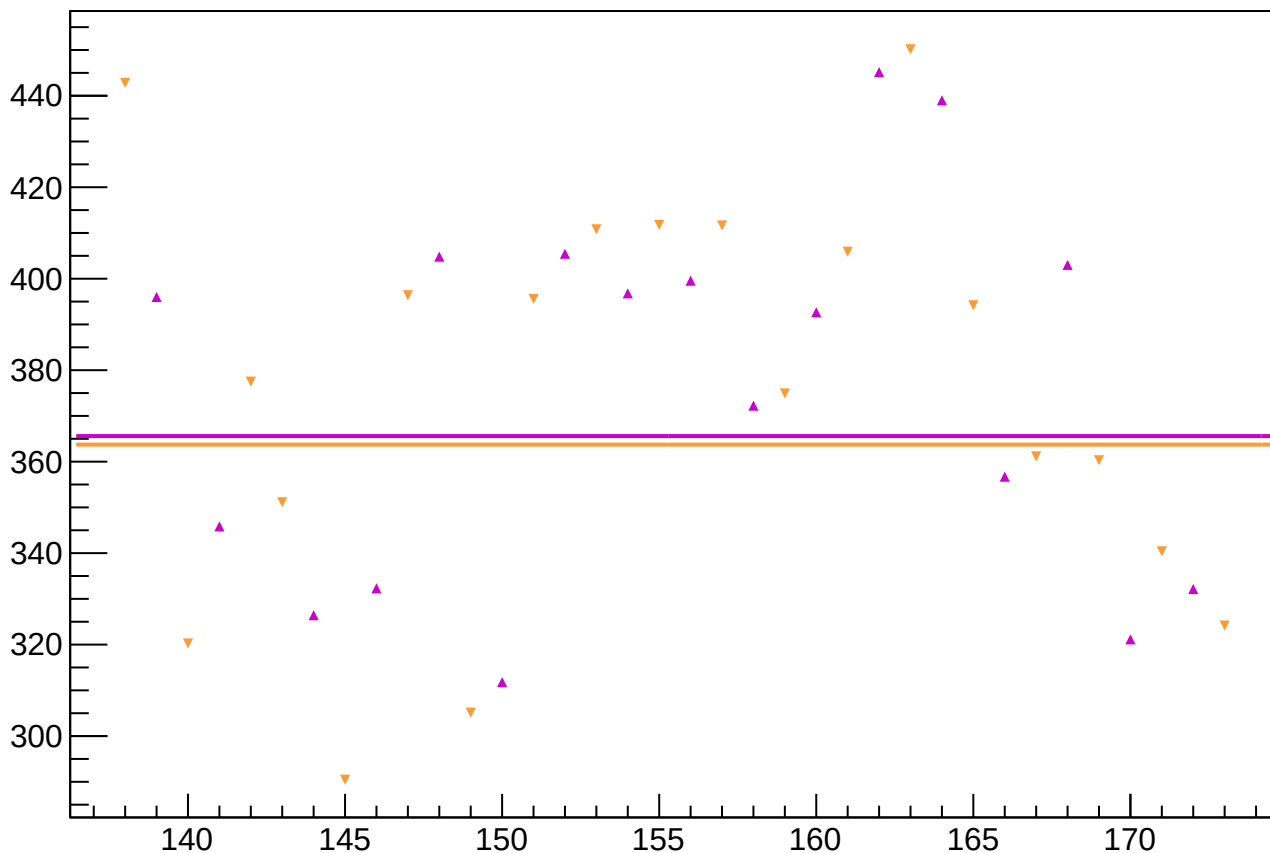
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 83.371 $\pm$ 101.351 χ^2 /NDF:25.8/16

Out: -359.094 $\pm$ 97.408 χ^2 /NDF:24.3/18

All: -146.636 $\pm$ 70.230 χ^2 /NDF: 60.0/35

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 363.728+/-0.069 χ^2/NDF :433355.1/18

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

Left In: 365.595+/-0.072 χ^2/NDF :307534.4/16

Left: 364.624+/-0.050 χ^2/NDF : 741242.5/35

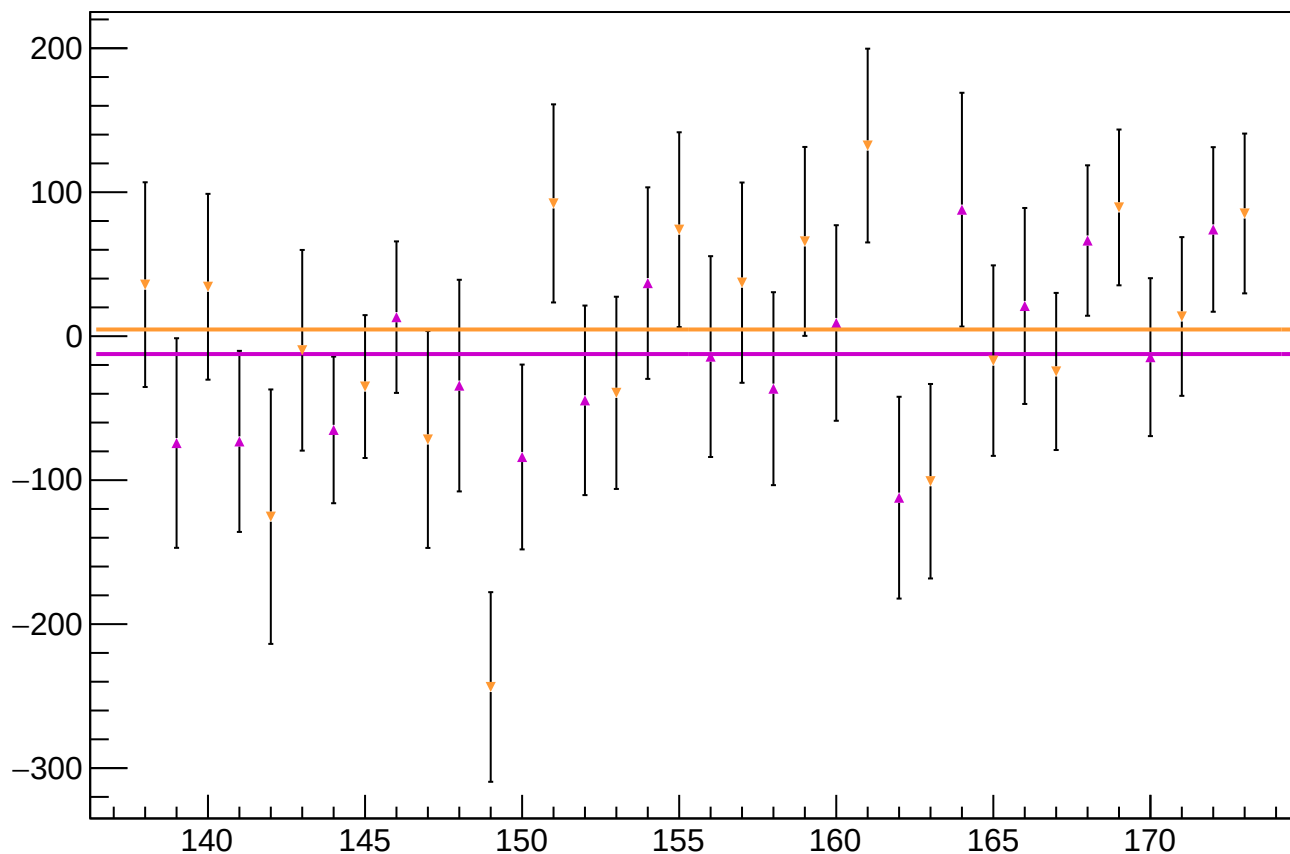
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 365.595+/-0.072 χ^2/NDF :307534.4/16

Out: 363.728+/-0.069 χ^2/NDF :433355.1/18

All: 364.624+/-0.050 χ^2/NDF : 741242.5/35

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 4.656+/-14.621 χ^2/NDF :33.7/18

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

Left In: -12.418+/-15.261 χ^2/NDF :13.7/16

Left: -3.516+/-10.558 χ^2/NDF : 48.0/35

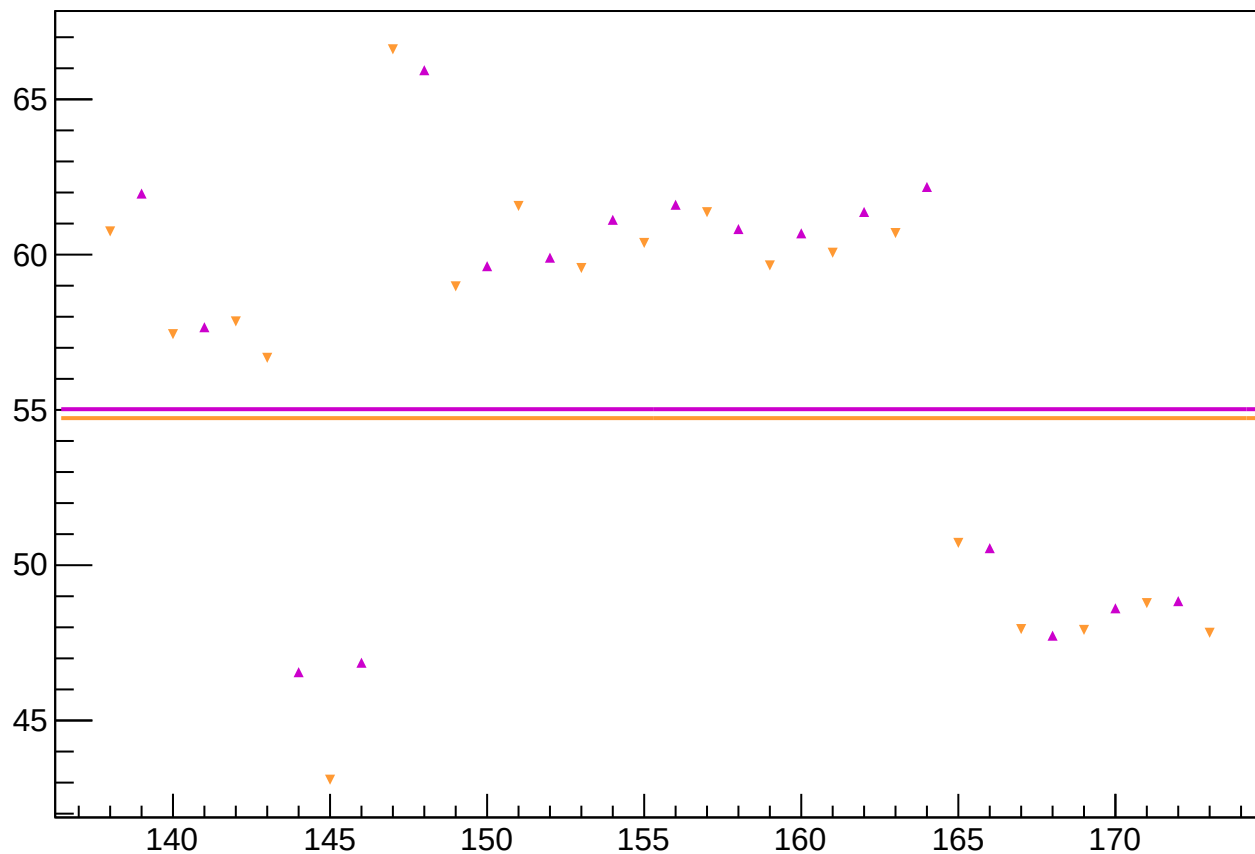
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.418+/-15.261 χ^2/NDF :13.7/16

Out: 4.656+/-14.621 χ^2/NDF :33.7/18

All: -3.516+/-10.558 χ^2/NDF : 48.0/35

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 54.736+/-0.010 χ^2/NDF :416075.6/18

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

Left In: 55.023+/-0.011 χ^2/NDF :384309.5/16

Left: 54.873+/-0.007 χ^2/NDF : 800755.9/35

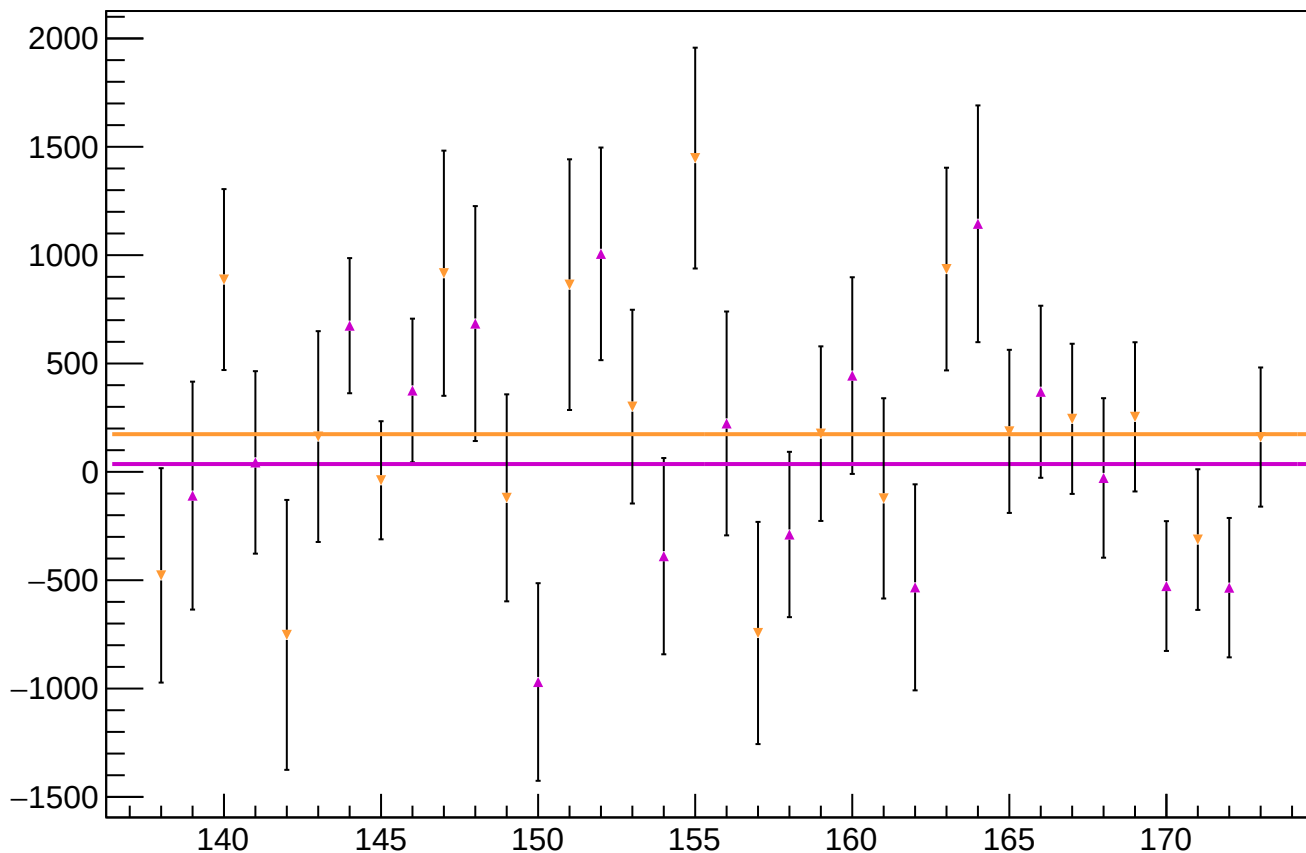
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 55.023+/-0.011 χ^2/NDF :384309.5/16

Out: 54.736+/-0.010 χ^2/NDF :416075.6/18

All: 54.873+/-0.007 χ^2/NDF : 800755.9/35

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 173.891+/-94.622 χ^2/NDF :25.9/18

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

Left In: 36.024+/-98.211 χ^2/NDF :31.0/16

Left: 107.523+/-68.141 χ^2/NDF : 58.0/35

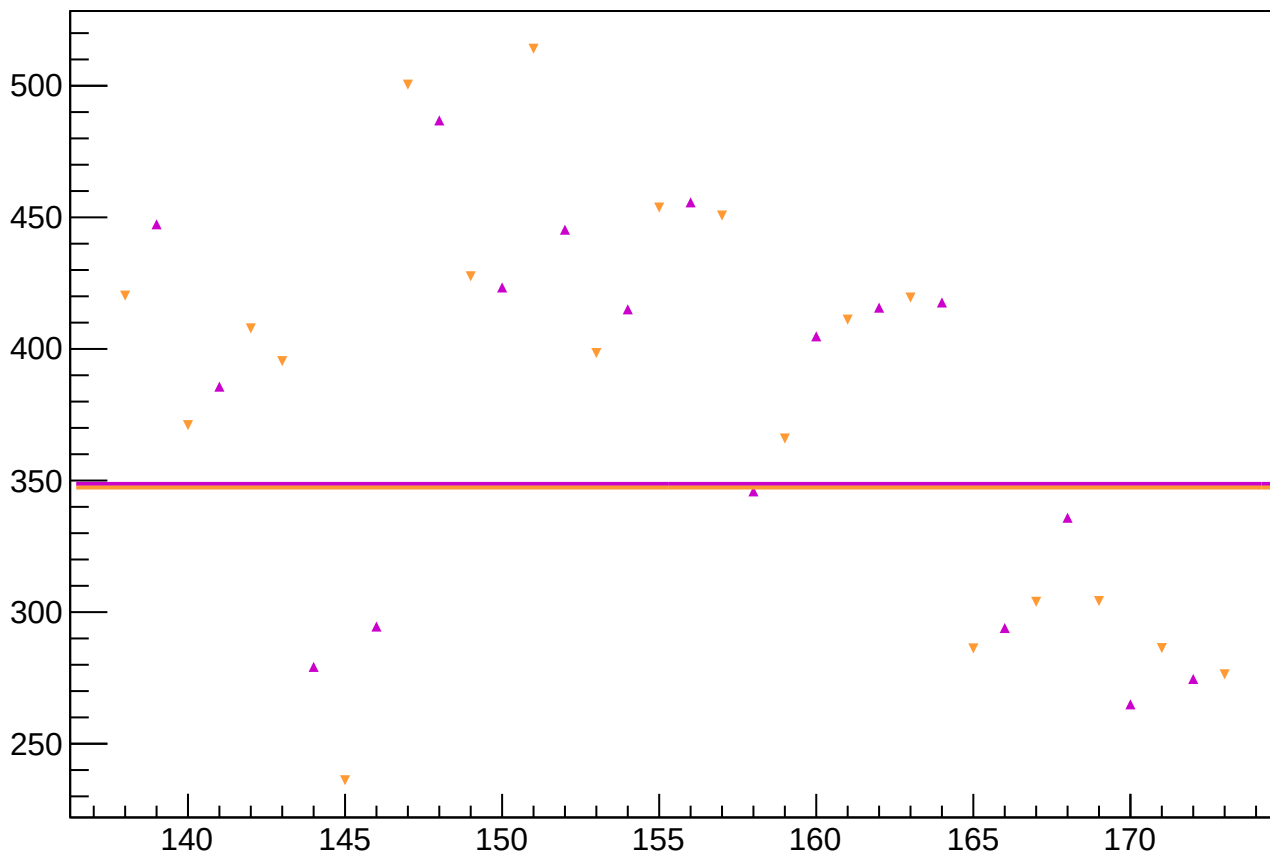
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 36.024+/-98.211 χ^2/NDF :31.0/16

Out: 173.891+/-94.622 χ^2/NDF :25.9/18

All: 107.523+/-68.141 χ^2/NDF : 58.0/35

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 347.347+/-0.067 χ^2/NDF :1359197.9/18

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

Left In: 348.722+/-0.069 χ^2/NDF :1033568.0/16

Left: 348.009+/-0.048 χ^2/NDF : 2392969.4/35

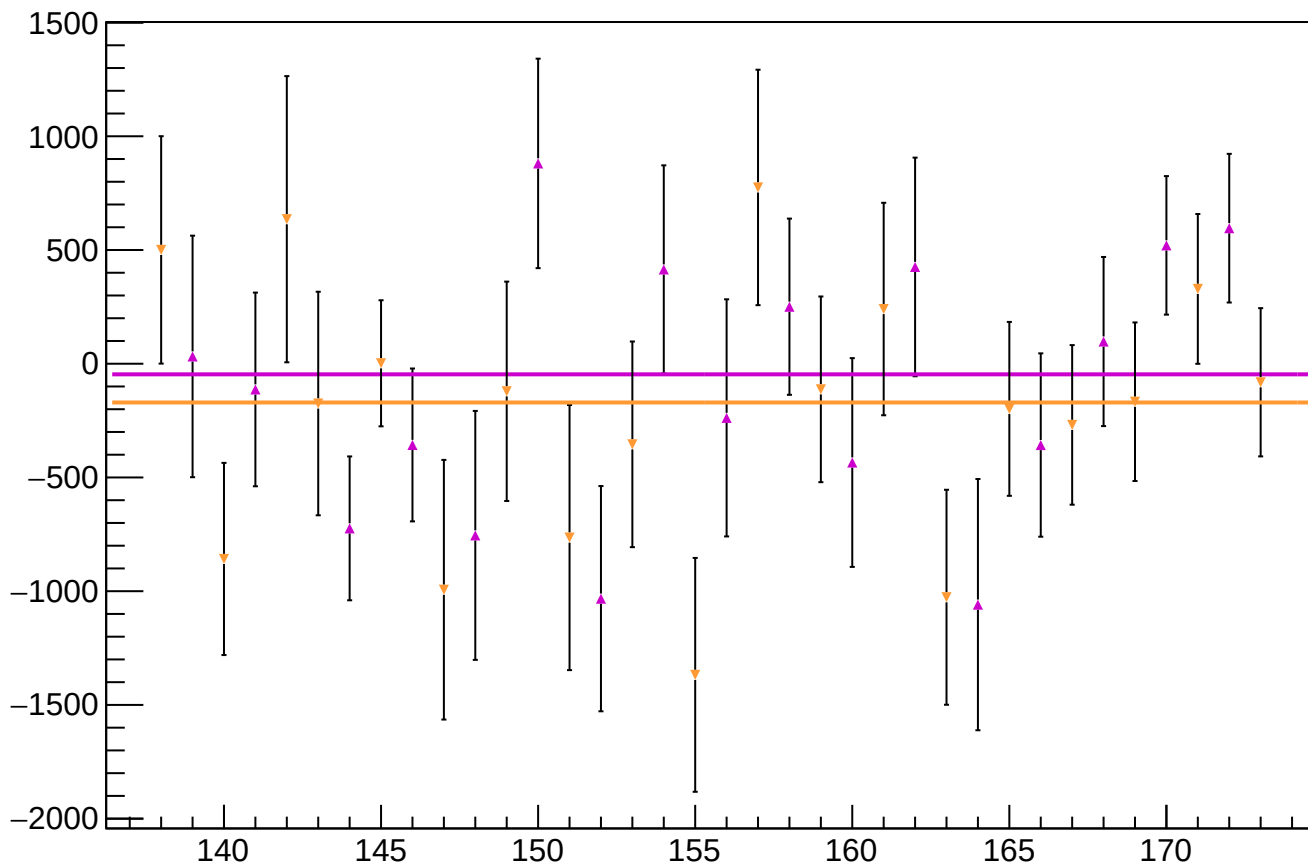
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 348.722+/-0.069 χ^2/NDF :1033568.0/16

Out: 347.347+/-0.067 χ^2/NDF :1359197.9/18

All: 348.009+/-0.048 χ^2/NDF : 2392969.4/35

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -170.402 $\pm$ 95.816 χ^2 /NDF:25.1/18

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

Left In: -46.635 $\pm$ 99.470 χ^2 /NDF:30.0/16

Left: -110.834 $\pm$ 69.008 χ^2 /NDF: 55.9/35

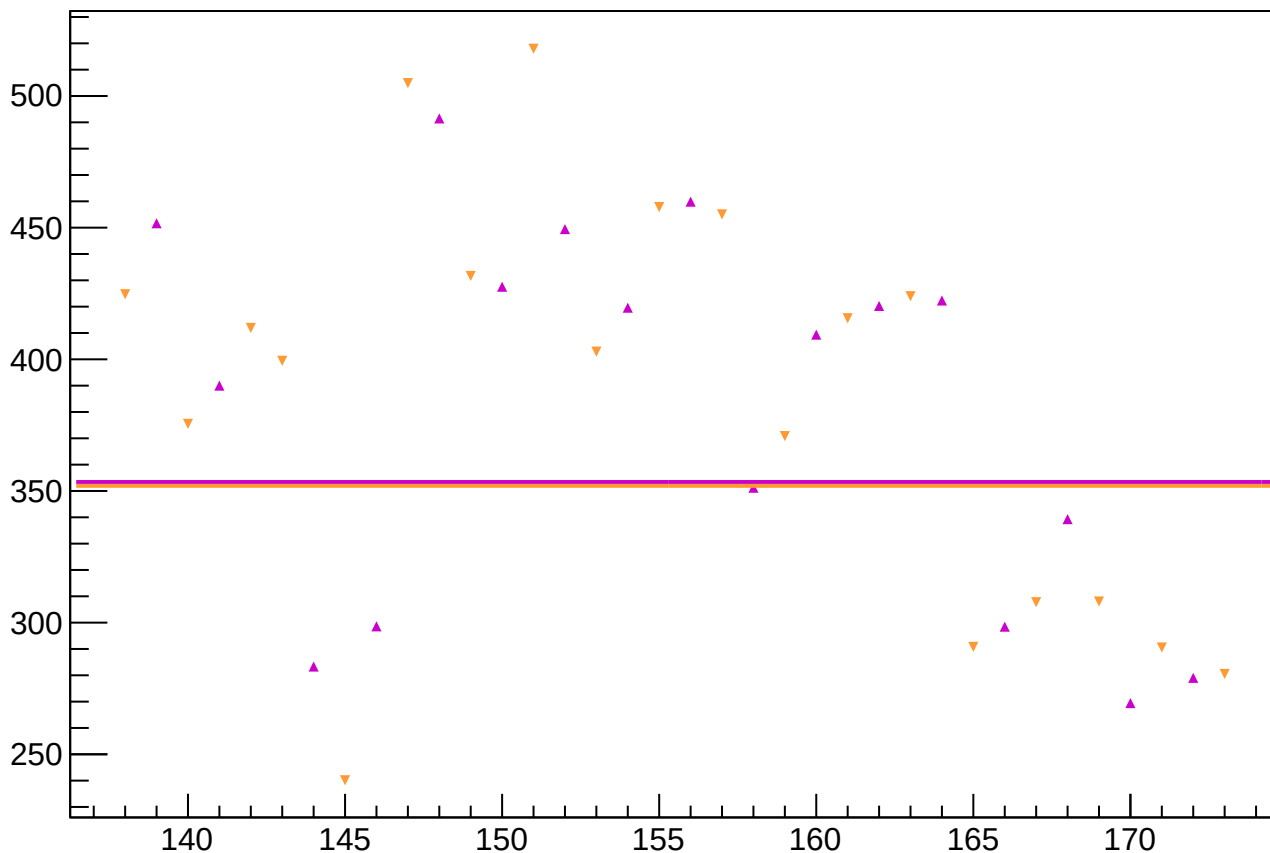
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -46.635 $\pm$ 99.470 χ^2 /NDF:30.0/16

Out: -170.402 $\pm$ 95.816 χ^2 /NDF:25.1/18

All: -110.834 $\pm$ 69.008 χ^2 /NDF: 55.9/35

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 351.960+/-0.068 χ^2/NDF :1329469.6/18

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

Left In: 353.400+/-0.070 χ^2/NDF :1009813.3/16

Left: 352.653+/-0.049 χ^2/NDF : 2339500.3/35

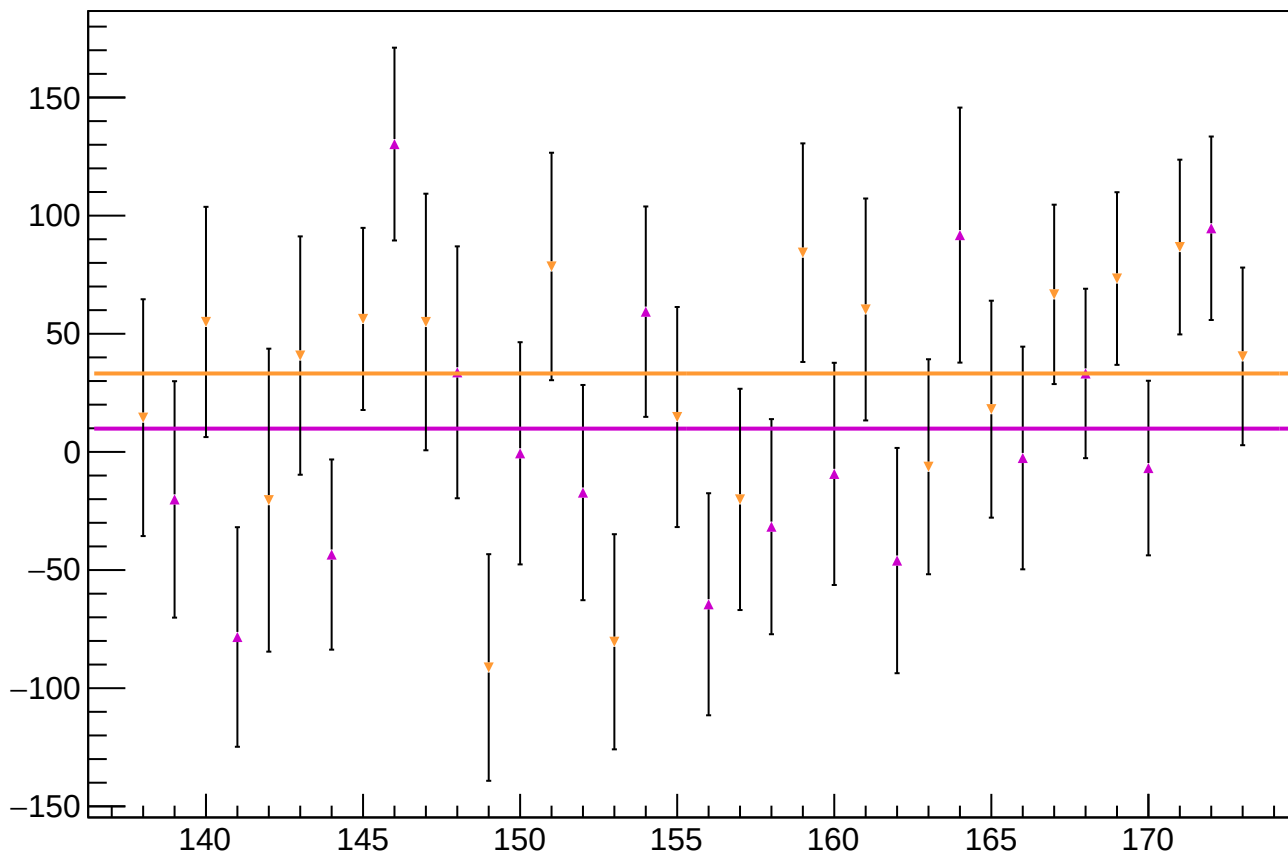
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 353.400+/-0.070 χ^2/NDF :1009813.3/16

Out: 351.960+/-0.068 χ^2/NDF :1329469.6/18

All: 352.653+/-0.049 χ^2/NDF : 2339500.3/35

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 33.195 $\pm$ 10.263 χ^2 /NDF:23.4/18

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

Left In: 9.858 $\pm$ 10.742 χ^2 /NDF:28.9/16

Left: 22.059 $\pm$ 7.420 χ^2 /NDF: 54.8/35

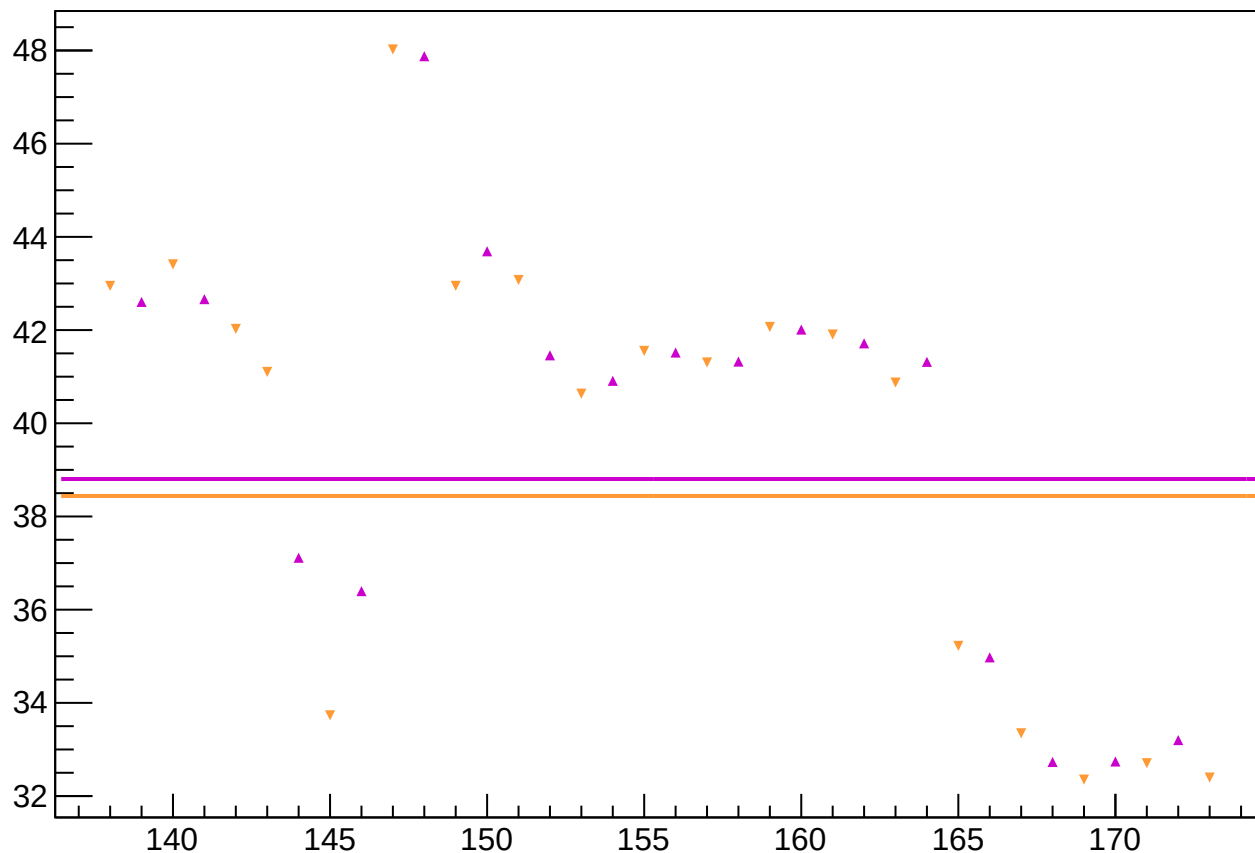
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 9.858 $\pm$ 10.742 χ^2 /NDF:28.9/16

Out: 33.195 $\pm$ 10.263 χ^2 /NDF:23.4/18

All: 22.059 $\pm$ 7.420 χ^2 /NDF: 54.8/35

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 38.440+/-0.007 χ^2/NDF : 428255.5/18

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

Left In: 38.804+/-0.008 χ^2/NDF : 326560.8/16

Left: 38.614+/-0.005 χ^2/NDF : 756014.8/35

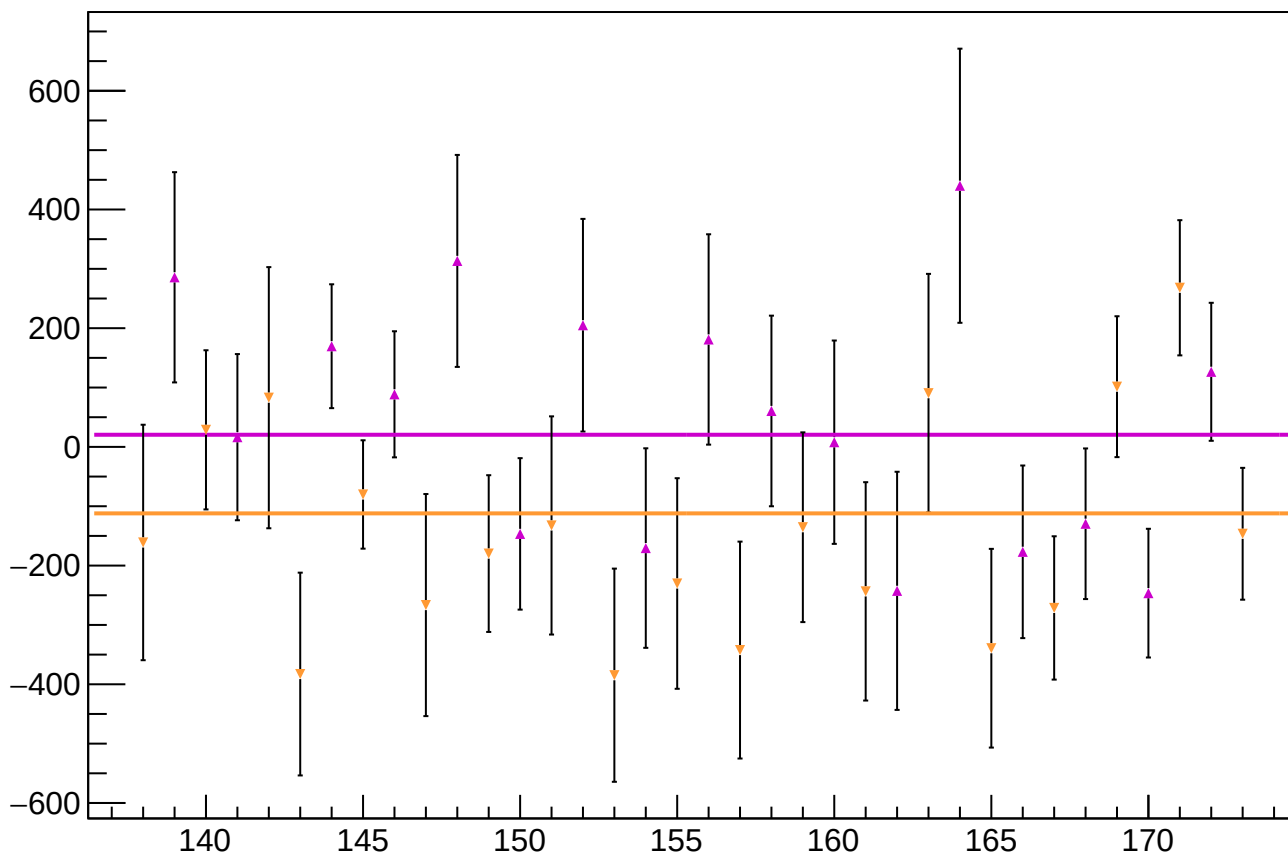
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 38.804+/-0.008 χ^2/NDF : 326560.8/16

Out: 38.440+/-0.007 χ^2/NDF : 428255.5/18

All: 38.614+/-0.005 χ^2/NDF : 756014.8/35

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -112.031+/-33.503 χ^2/NDF :29.5/18

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

Left In: 20.438+/-34.518 χ^2/NDF :27.5/16

Left: -47.773+/-24.041 χ^2/NDF : 64.5/35

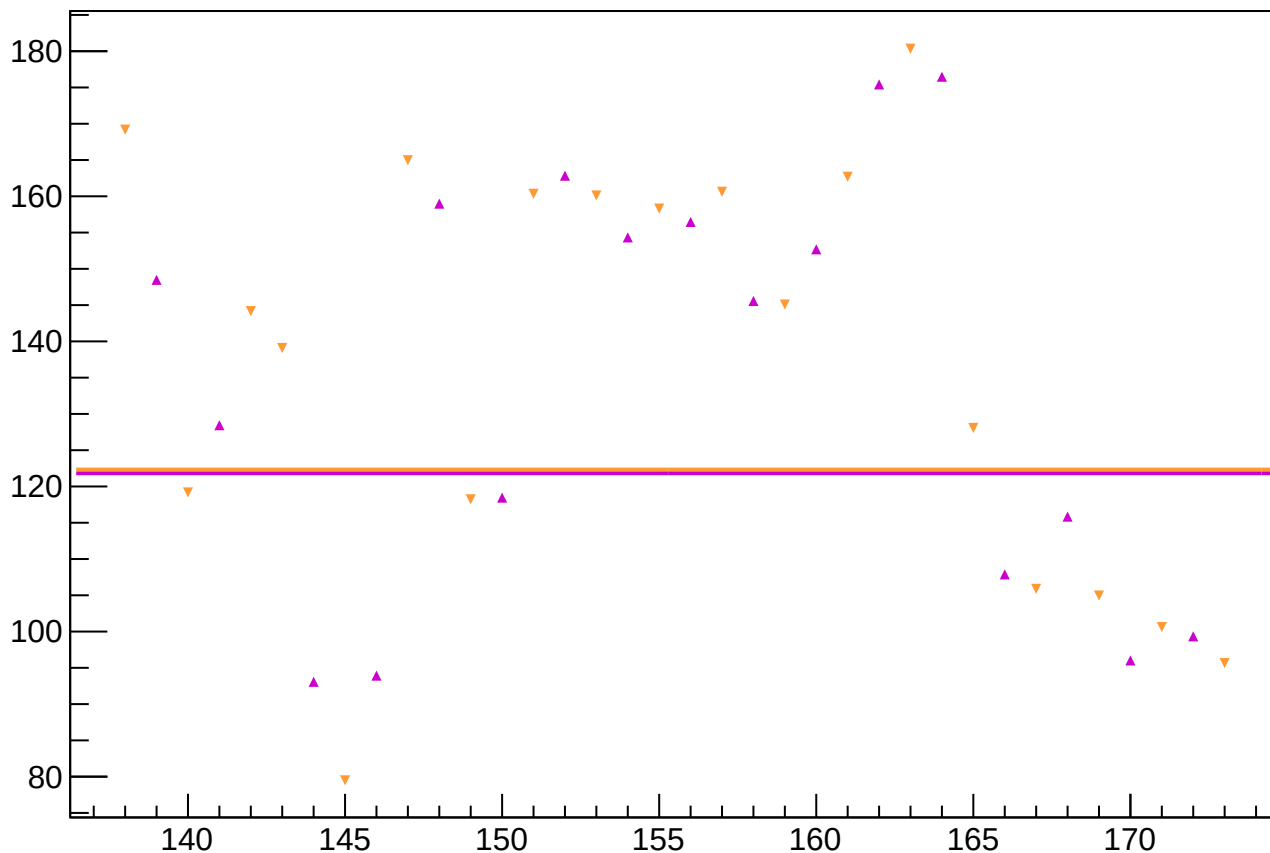
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 20.438+/-34.518 χ^2/NDF :27.5/16

Out: -112.031+/-33.503 χ^2/NDF :29.5/18

All: -47.773+/-24.041 χ^2/NDF : 64.5/35

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 122.327+/-0.024 χ^2/NDF :1615383.0/18

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

Left In: 121.832+/-0.024 χ^2/NDF :1257806.4/16

Left: 122.087+/-0.017 χ^2/NDF : 2873401.4/35

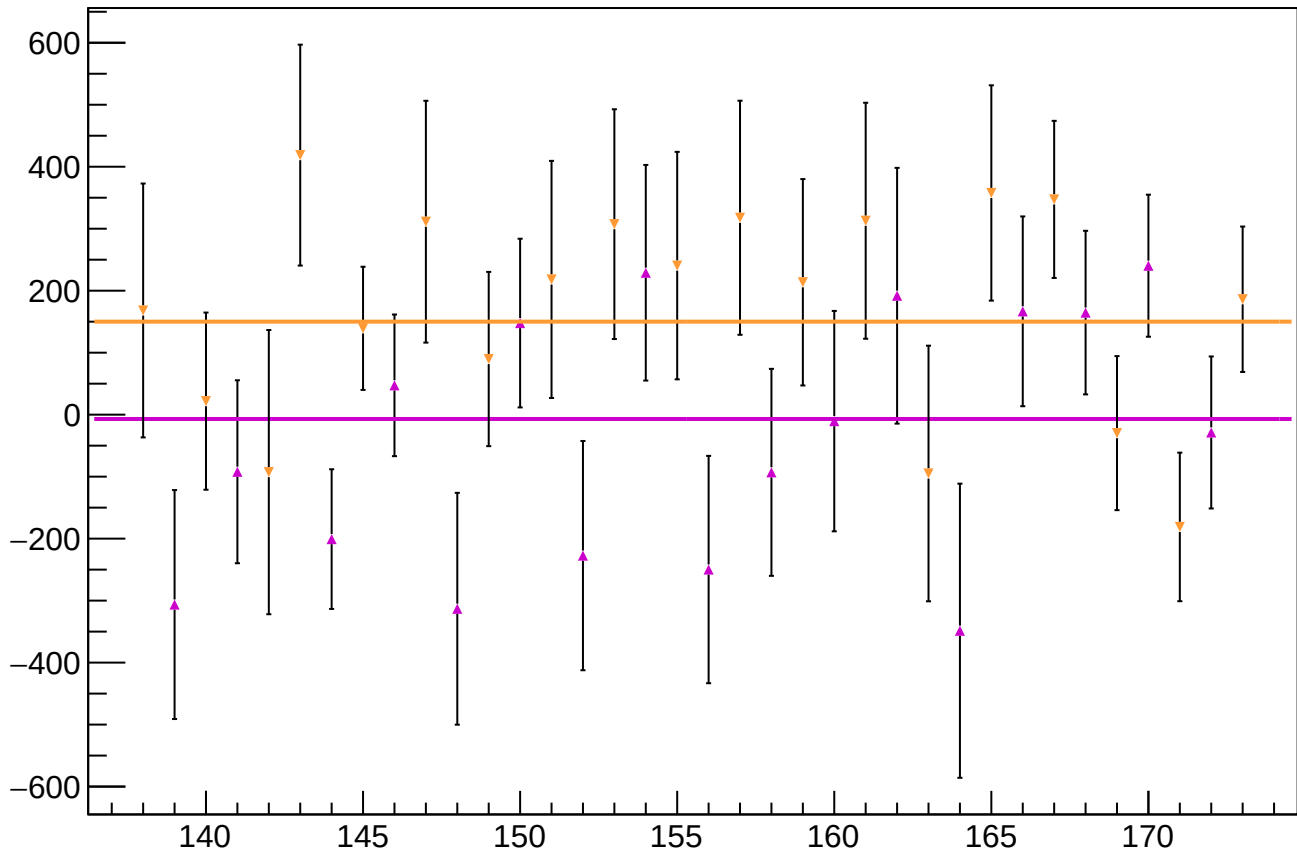
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 121.832+/-0.024 χ^2/NDF :1257806.4/16

Out: 122.327+/-0.024 χ^2/NDF :1615383.0/18

All: 122.087+/-0.017 χ^2/NDF : 2873401.4/35

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 150.082 $\pm$ 35.235 χ^2 /NDF:22.9/18

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

Left In: -6.968 $\pm$ 36.351 χ^2 /NDF:26.1/16

Left: 74.005 $\pm$ 25.300 χ^2 /NDF: 58.6/35

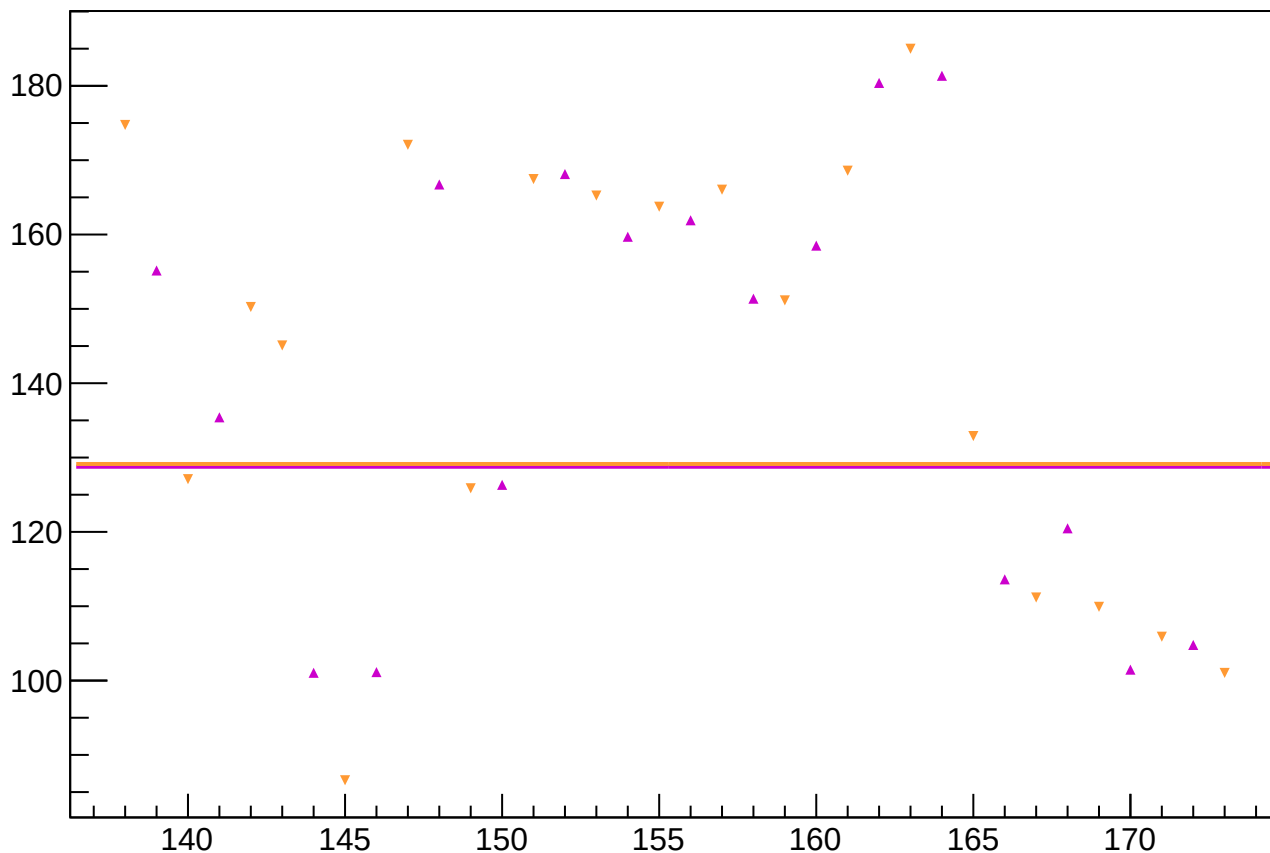
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -6.968 $\pm$ 36.351 χ^2 /NDF:26.1/16

Out: 150.082 $\pm$ 35.235 χ^2 /NDF:22.9/18

All: 74.005 $\pm$ 25.300 χ^2 /NDF: 58.6/35

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 129.135+/-0.025 χ^2/NDF :1447781.4/18

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

Left In: 128.763+/-0.026 χ^2/NDF :1118803.0/16

Left: 128.955+/-0.018 χ^2/NDF : 2566692.6/35

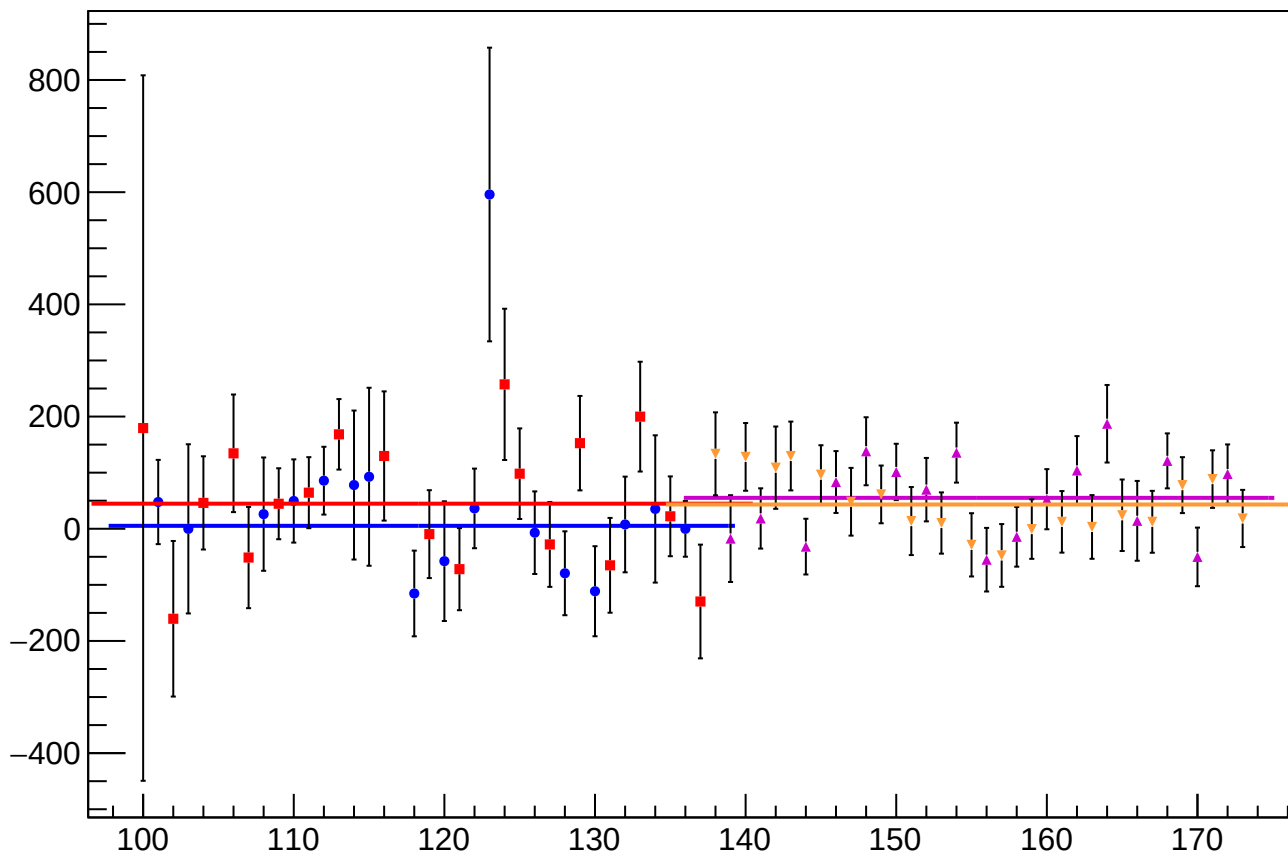
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 128.763+/-0.026 χ^2/NDF :1118803.0/16

Out: 129.135+/-0.025 χ^2/NDF :1447781.4/18

All: 128.955+/-0.018 χ^2/NDF : 2566692.6/35

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220 $\pm$ 20.150 χ^2/NDF : 14.7/16

Left Out: 43.256 $\pm$ 13.012 χ^2/NDF :15.7/18

Right Out: 44.715 $\pm$ 19.410 χ^2/NDF : 24.4/18

Left In: 55.086 $\pm$ 13.600 χ^2/NDF :26.4/16

Left: 48.910 $\pm$ 9.402 χ^2/NDF : 42.4/35

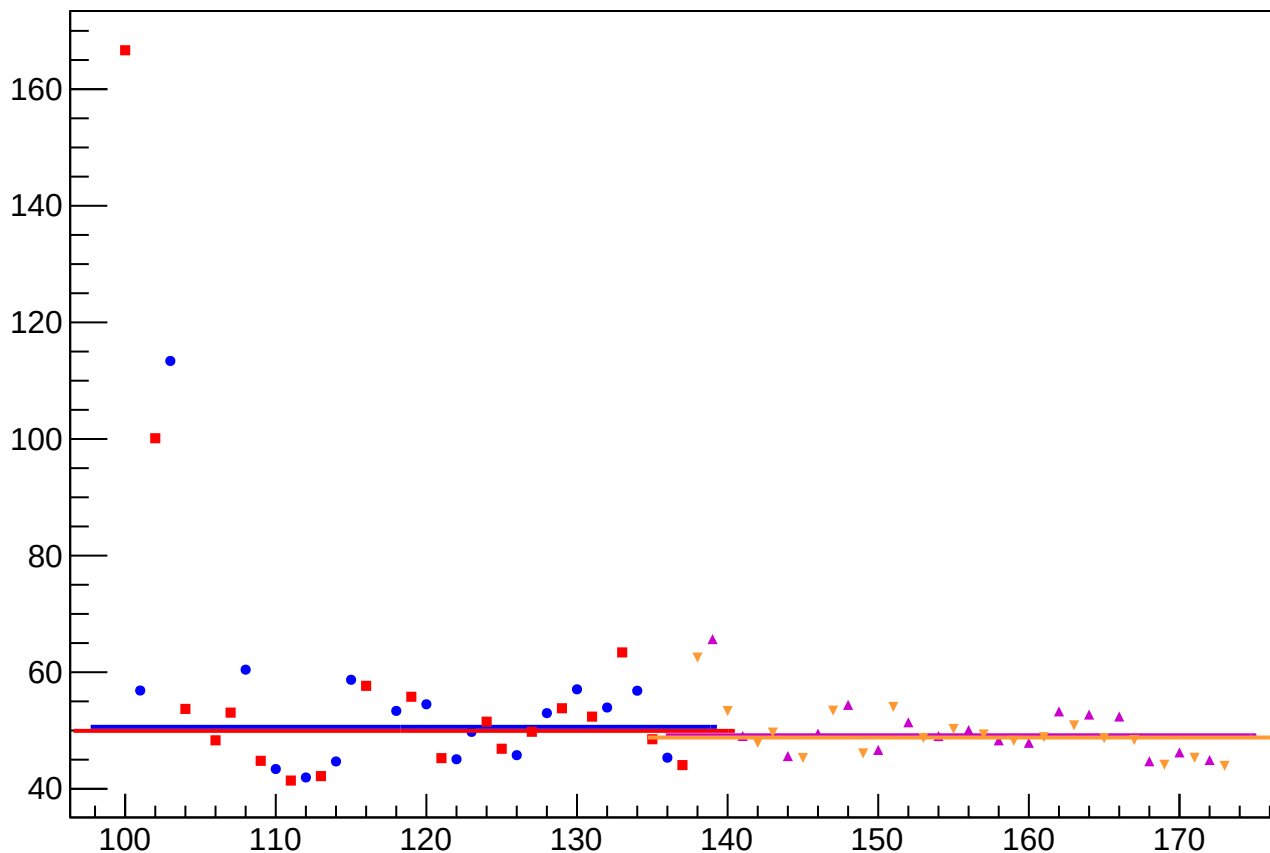
Right: 25.706 $\pm$ 13.979 χ^2/NDF : 41.1/35

In: 39.480 $\pm$ 11.272 χ^2/NDF :45.3/33

Out: 43.708 $\pm$ 10.808 χ^2/NDF :40.1/37

All: 41.683 $\pm$ 7.801 χ^2/NDF : 85.4/71

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 48.802 $\pm$ 0.009 χ^2 /NDF: 171387.1/18

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

Left In: 49.181 $\pm$ 0.010 χ^2 /NDF: 180587.2/16

Left: 48.983 $\pm$ 0.007 χ^2 /NDF: 352786.3/35

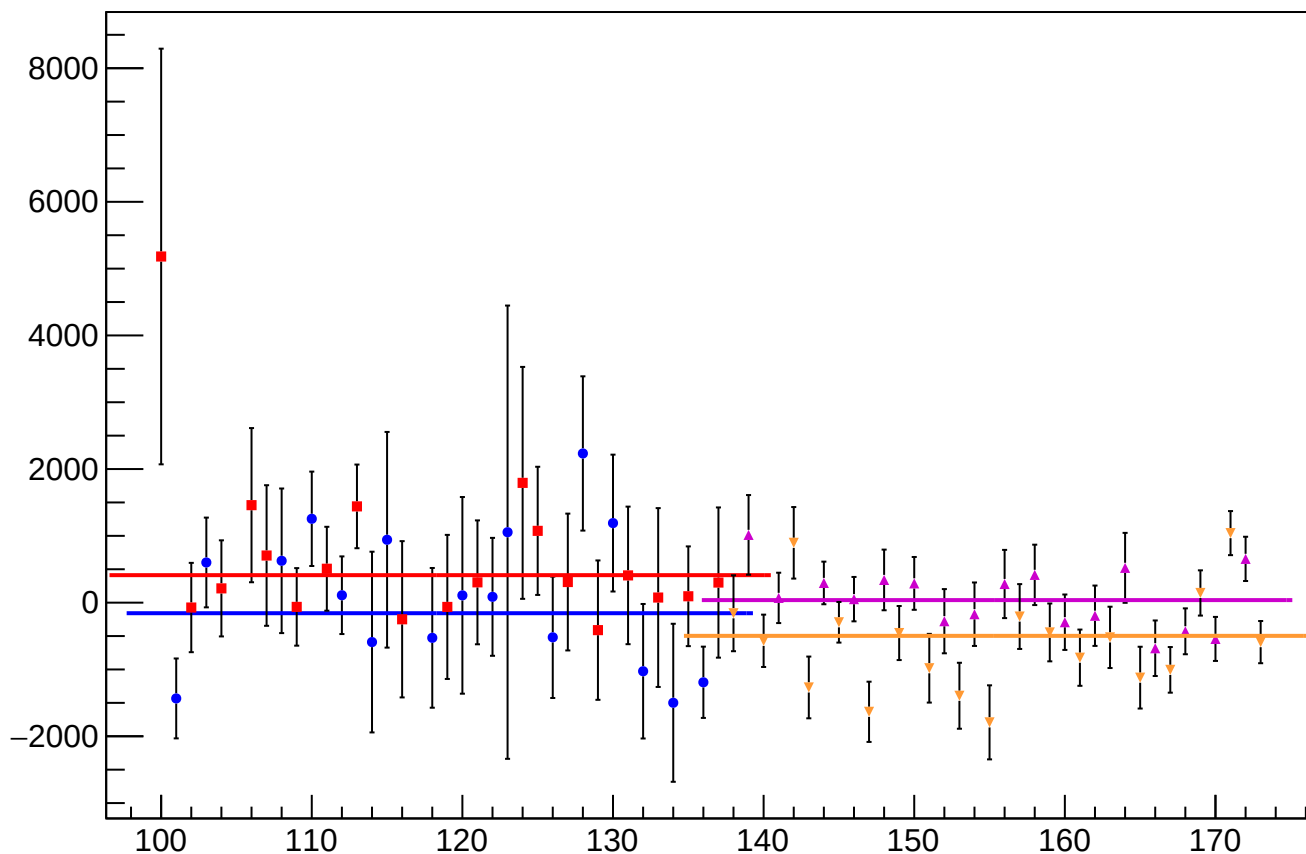
Right: 50.276 $\pm$ 0.010 χ^2 /NDF: 1021399.4/35

In: 49.636 $\pm$ 0.008 χ^2 /NDF: 707427.0/33

Out: 49.156 $\pm$ 0.008 χ^2 /NDF: 676644.6/37

All: 49.386 $\pm$ 0.006 χ^2 /NDF: 1385964.5/71

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001+/-210.181 χ^2/NDF : 23.5/16

Left Out: -496.972+/-94.517 χ^2/NDF :56.9/18

Right Out: 411.611+/-203.633 χ^2/NDF : 9.8/18

Left In: 38.239+/-97.851 χ^2/NDF :18.9/16

Left: -238.639+/-67.982 χ^2/NDF : 91.3/35

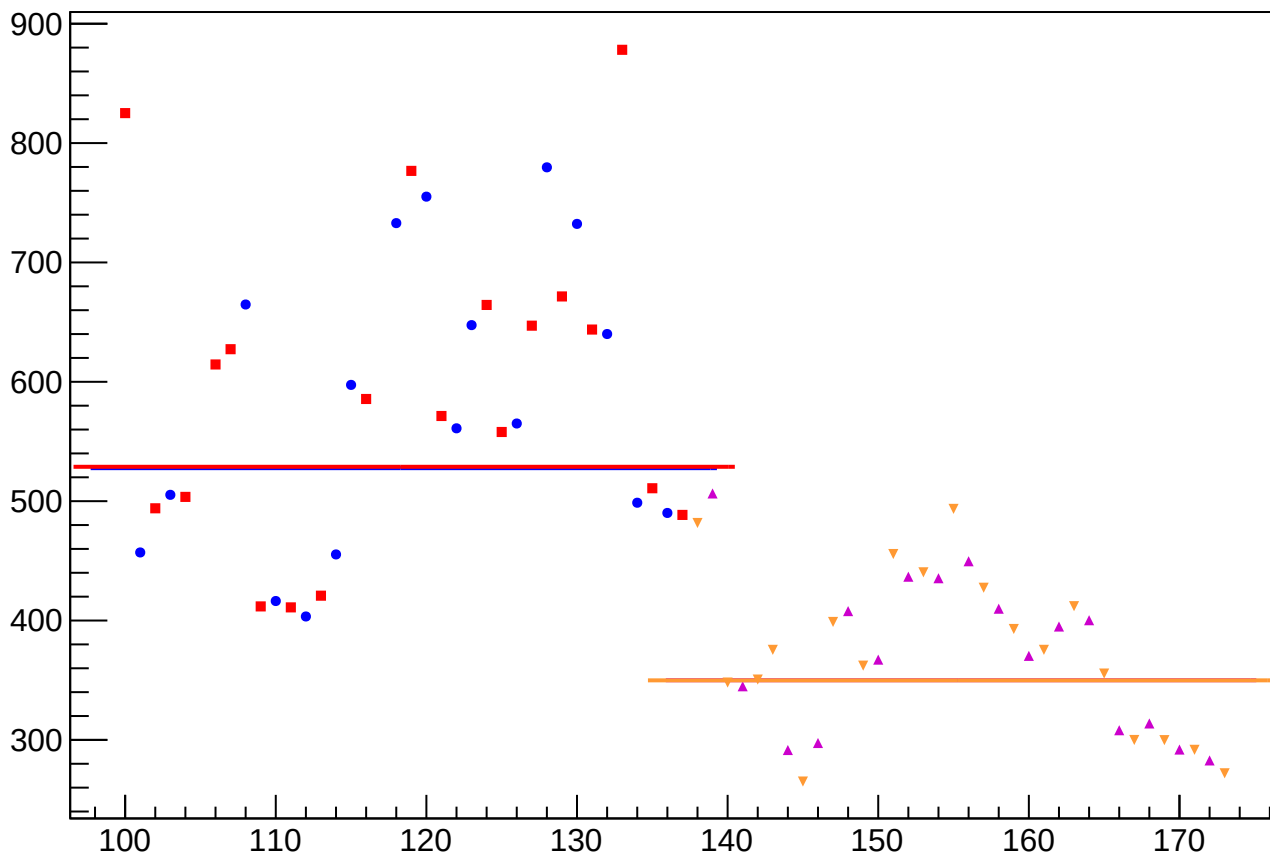
Right: 135.816+/-146.251 χ^2/NDF : 37.0/35

In: 3.282+/-88.709 χ^2/NDF :43.1/33

Out: -335.924+/-85.732 χ^2/NDF :83.0/37

All: -172.107+/-61.647 χ^2/NDF : 133.7/71

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 349.883 $\pm$ 0.067 χ^2 /NDF: 966731.5/18

Right Out: 528.806 $\pm$ 0.144 χ^2 /NDF: 623364.6/18

Left In: 349.993 $\pm$ 0.069 χ^2 /NDF: 763080.3/16

Left: 349.936 $\pm$ 0.048 χ^2 /NDF: 1729813.2/35

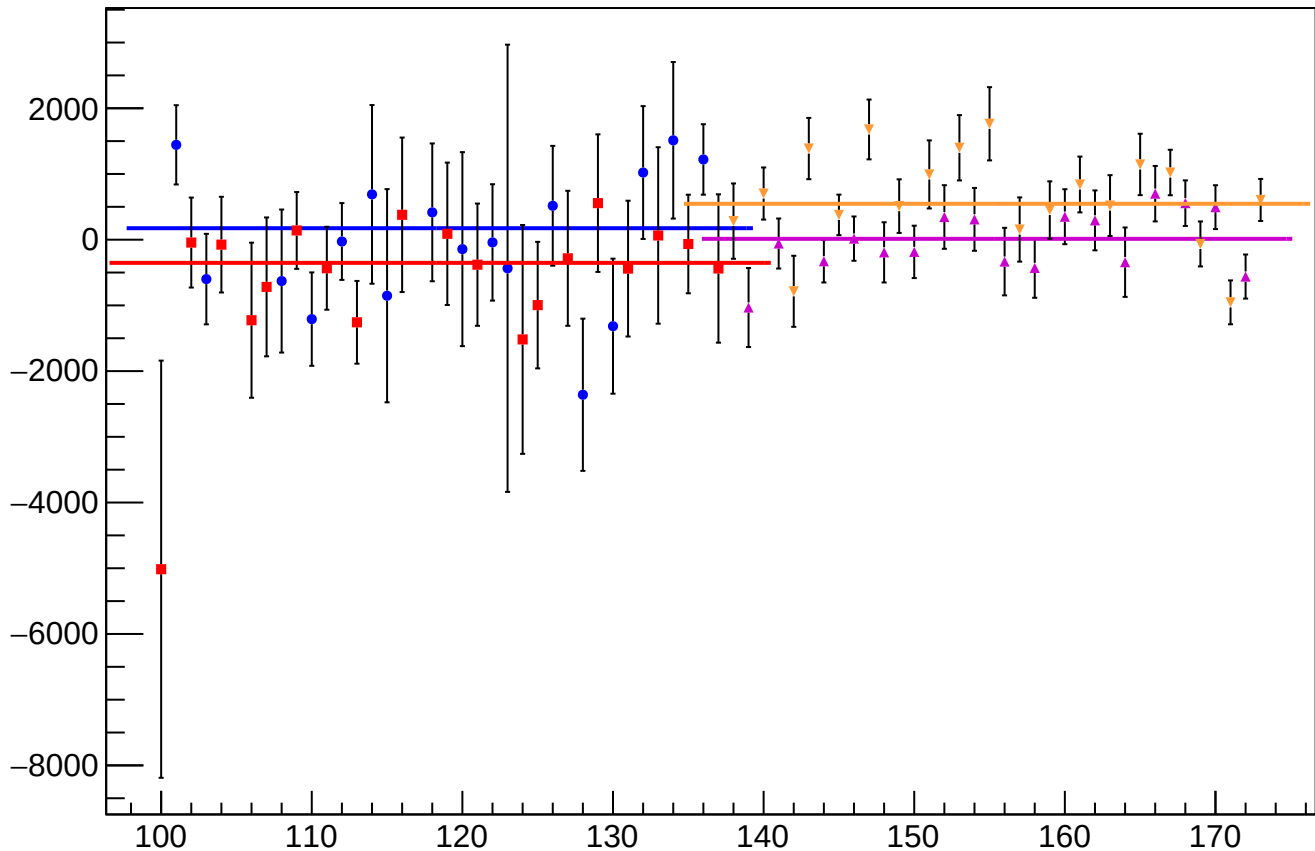
Right: 528.253 $\pm$ 0.103 χ^2 /NDF: 1180818.7/35

In: 381.642 $\pm$ 0.063 χ^2 /NDF: 2495053.9/33

Out: 381.598 $\pm$ 0.061 χ^2 /NDF: 2860473.7/37

All: 381.619 $\pm$ 0.044 χ^2 /NDF: 5355527.8/71

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 546.234 $\pm$ 95.498 χ^2 /NDF:52.7/18

Right Out: -352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

Left In: 12.922 $\pm$ 98.880 χ^2 /NDF:18.5/16

Left: 288.854 $\pm$ 68.692 χ^2 /NDF: 86.3/35

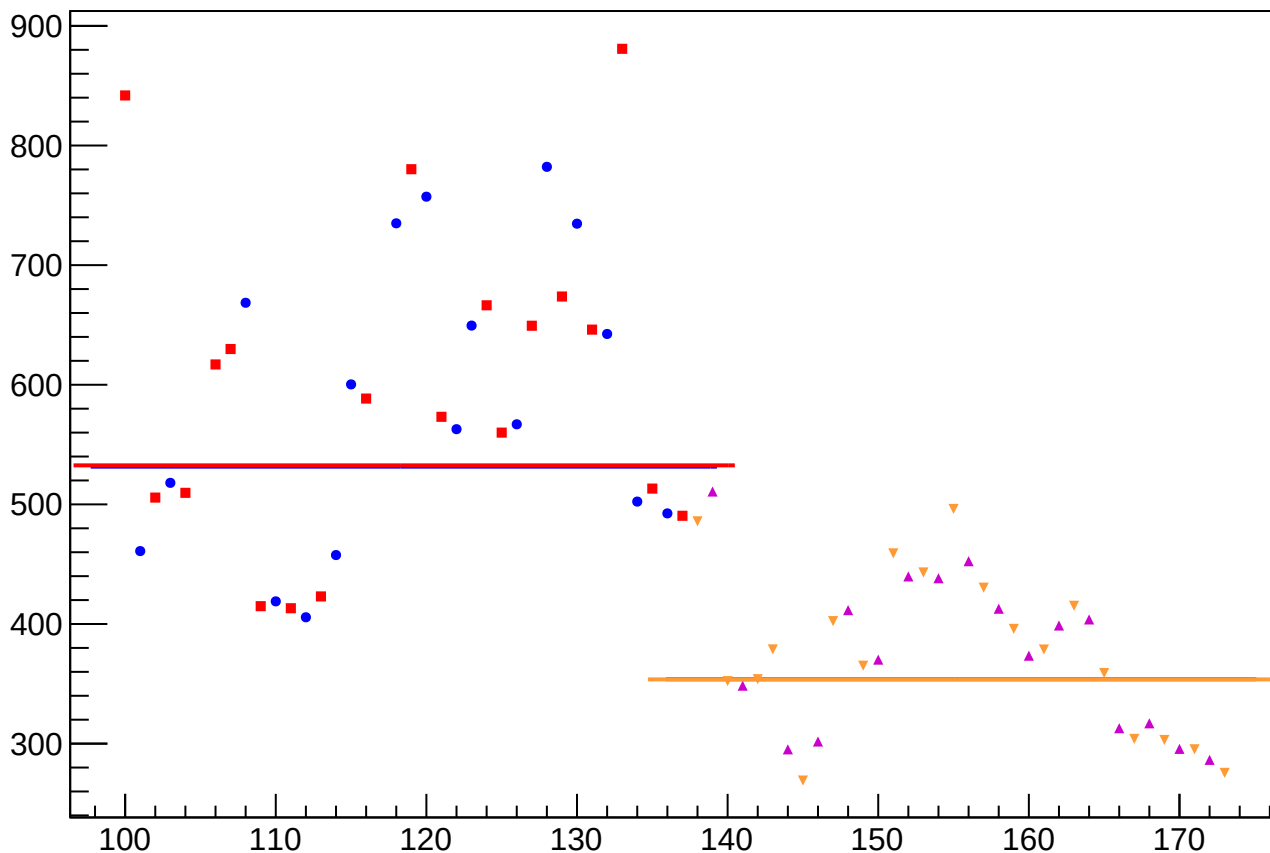
Right: -97.148 $\pm$ 147.331 χ^2 /NDF: 35.3/35

In: 41.887 $\pm$ 89.586 χ^2 /NDF:42.6/33

Out: 386.225 $\pm$ 86.581 χ^2 /NDF:76.9/37

All: 219.928 $\pm$ 62.258 χ^2 /NDF: 127.2/71

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554 $\pm$ 0.150 χ^2 /NDF: 550087.6/16

Left Out: 353.681 $\pm$ 0.068 χ^2 /NDF: 941207.1/18

Right Out: 532.620 $\pm$ 0.145 χ^2 /NDF: 615746.2/18

Left In: 353.828 $\pm$ 0.070 χ^2 /NDF: 742854.9/16

Left: 353.752 $\pm$ 0.049 χ^2 /NDF: 1684064.3/35

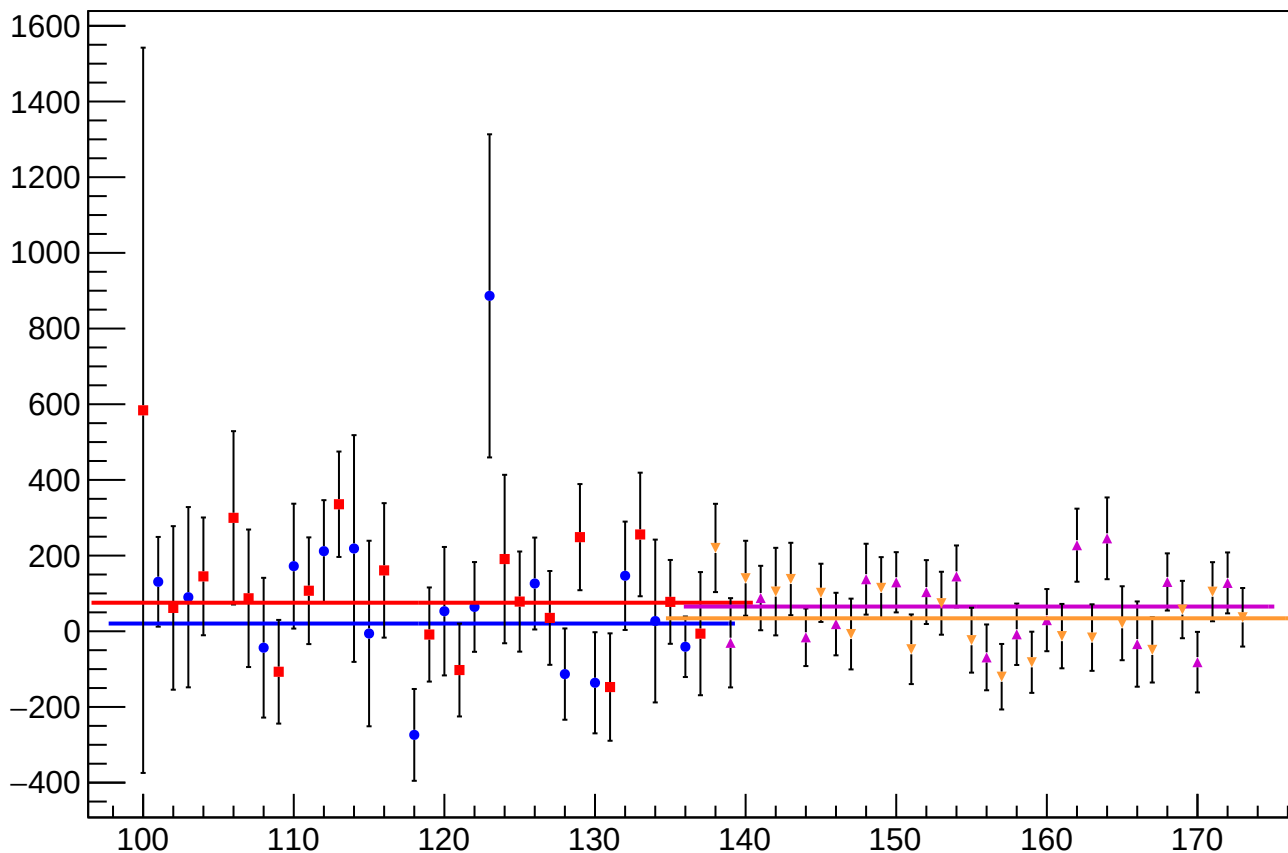
Right: 532.104 $\pm$ 0.104 χ^2 /NDF: 1165860.0/35

In: 385.666 $\pm$ 0.063 χ^2 /NDF: 2450425.7/33

Out: 385.537 $\pm$ 0.061 χ^2 /NDF: 2807013.4/37

All: 385.599 $\pm$ 0.044 χ^2 /NDF: 5257441.3/71

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441 $\pm$ 34.583 χ^2 /NDF: 19.3/16

Left Out: 34.304 $\pm$ 20.036 χ^2 /NDF:16.4/18

Right Out: 75.454 $\pm$ 34.698 χ^2 /NDF: 15.4/18

Left In: 65.323 $\pm$ 20.939 χ^2 /NDF:19.1/16

Left: 49.131 $\pm$ 14.476 χ^2 /NDF: 36.6/35

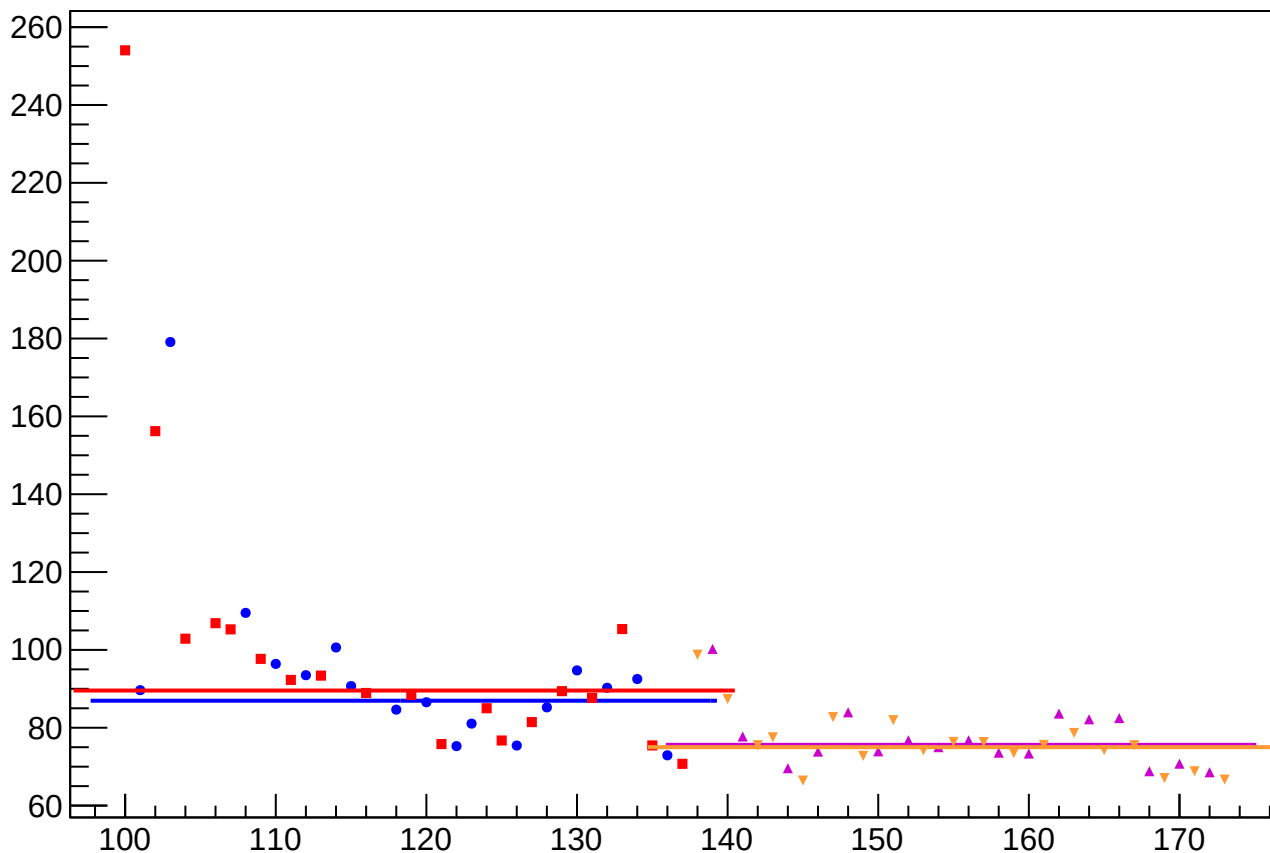
Right: 47.856 $\pm$ 24.495 χ^2 /NDF: 35.9/35

In: 53.284 $\pm$ 17.911 χ^2 /NDF:39.6/33

Out: 44.594 $\pm$ 17.351 χ^2 /NDF:32.8/37

All: 48.801 $\pm$ 12.462 χ^2 /NDF: 72.5/71

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 75.008 $\pm$ 0.014 χ^2 /NDF: 230443.0/18

Right Out: 89.561 $\pm$ 0.025 χ^2 /NDF: 431229.7/18

Left In: 75.605 $\pm$ 0.015 χ^2 /NDF: 189706.1/16

Left: 75.294 $\pm$ 0.010 χ^2 /NDF: 420997.8/35

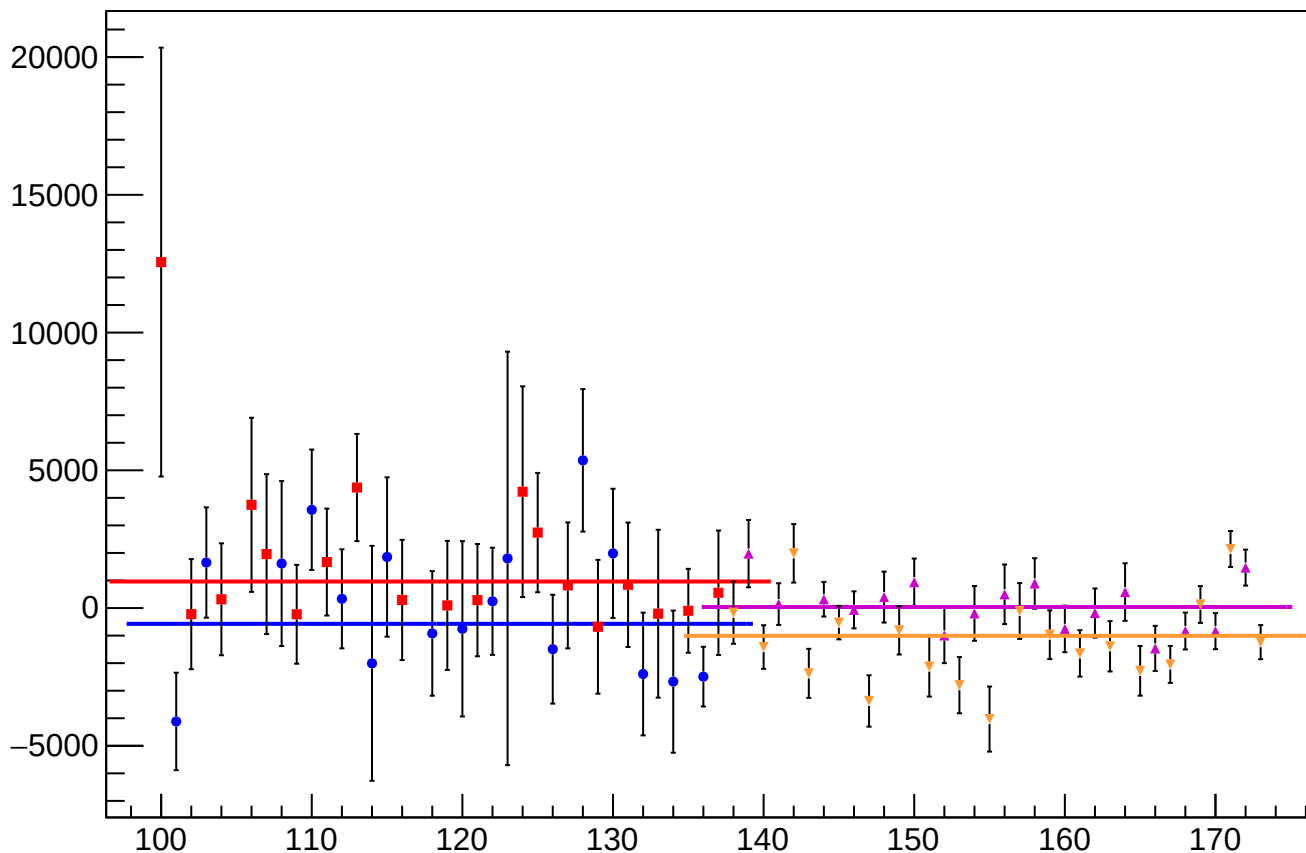
Right: 88.247 $\pm$ 0.017 χ^2 /NDF: 892752.0/35

In: 78.647 $\pm$ 0.013 χ^2 /NDF: 802798.5/33

Out: 78.647 $\pm$ 0.012 χ^2 /NDF: 925498.3/37

All: 78.647 $\pm$ 0.009 χ^2 /NDF: 1728296.8/71

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342 $\pm$ 517.020 χ^2 /NDF: 21.9/16

Left Out: -1007.745 $\pm$ 190.021 χ^2 /NDF: 61.2/18

Right Out: 963.846 $\pm$ 514.621 χ^2 /NDF: 10.1/18

Left In: 38.395 $\pm$ 197.159 χ^2 /NDF: 19.0/16

Left: -503.954 $\pm$ 136.819 χ^2 /NDF: 94.8/35

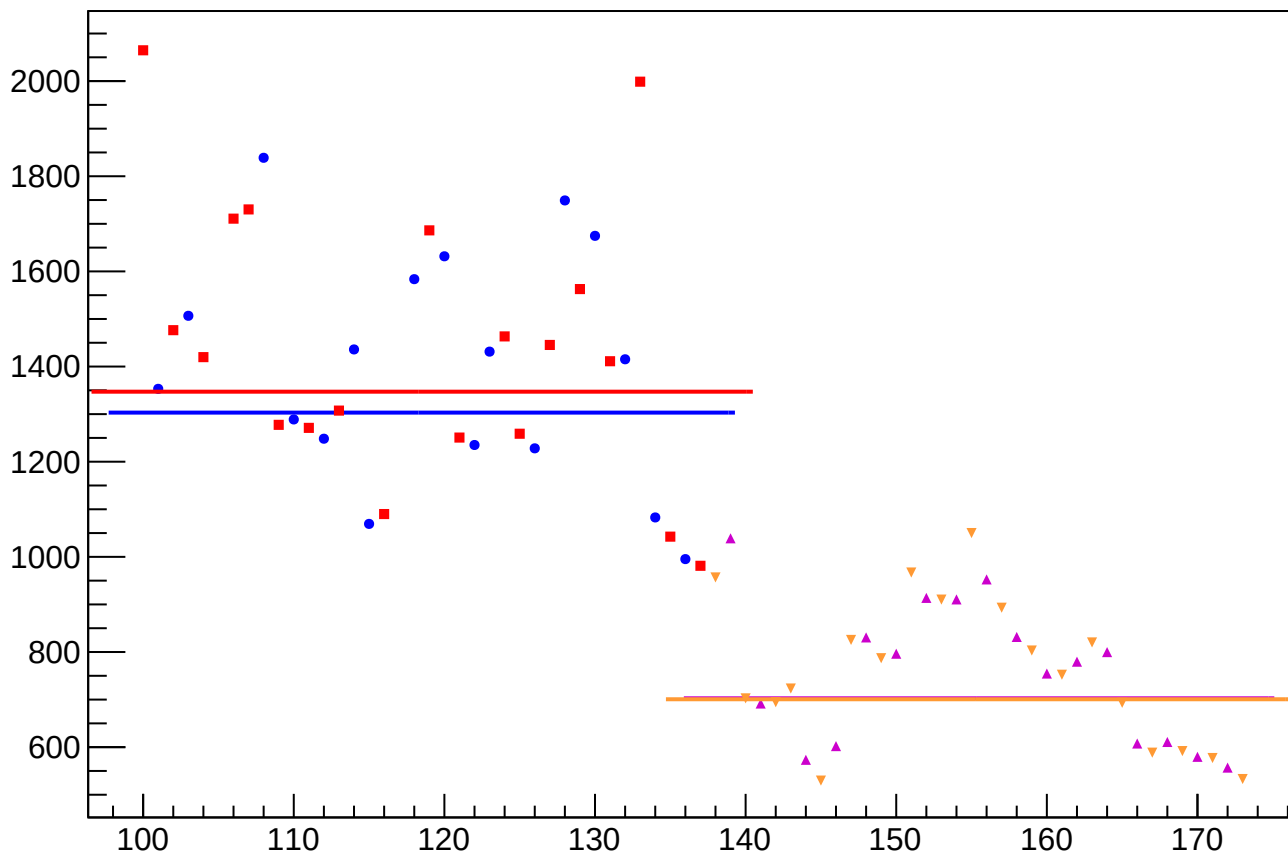
Right: 199.325 $\pm$ 364.737 χ^2 /NDF: 36.4/35

In: -39.142 $\pm$ 184.219 χ^2 /NDF: 42.1/33

Out: -771.187 $\pm$ 178.258 χ^2 /NDF: 84.2/37

All: -417.201 $\pm$ 128.103 χ^2 /NDF: 134.5/71

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201+/-0.366 χ^2/NDF : 451961.9/16

Left Out: 700.684+/-0.134 χ^2/NDF : 1164236.5/18

Right Out: 1347.177+/-0.364 χ^2/NDF : 420774.0/18

Left In: 702.752+/-0.139 χ^2/NDF : 939958.2/16

Left: 701.680+/-0.097 χ^2/NDF : 2104308.8/35

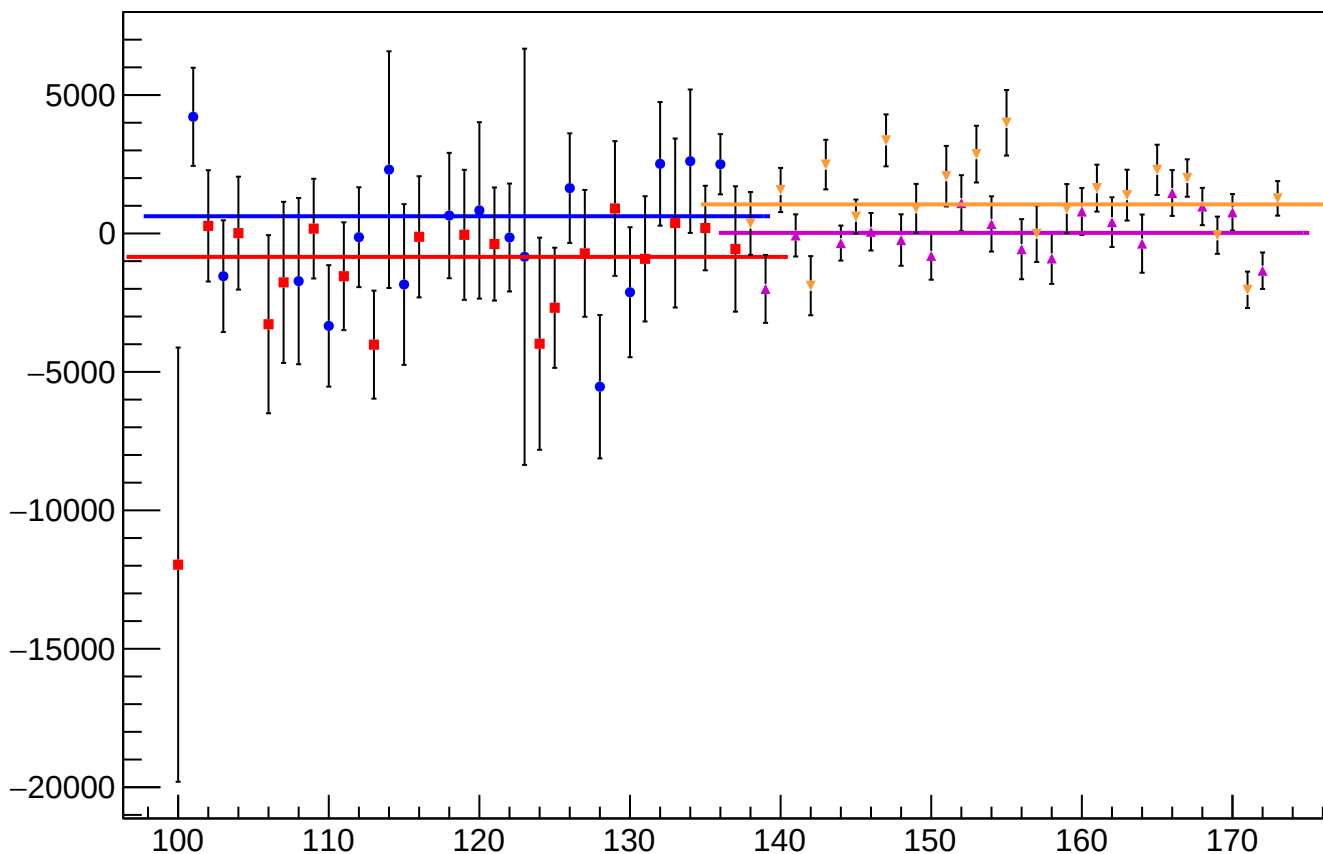
Right: 1325.291+/-0.258 χ^2/NDF : 880004.2/35

In: 778.983+/-0.130 χ^2/NDF : 3746983.6/33

Out: 778.253+/-0.126 χ^2/NDF : 4362632.2/37

All: 778.606+/-0.091 χ^2/NDF : 8109632.1/71

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411 $\pm$ 518.496 χ^2 /NDF: 22.0/16

Left Out: 1050.978 $\pm$ 191.209 χ^2 /NDF:58.2/18

Right Out: -846.021 $\pm$ 516.325 χ^2 /NDF: 9.1/18

Left In: 21.071 $\pm$ 198.415 χ^2 /NDF:18.4/16

Left: 555.067 $\pm$ 137.682 χ^2 /NDF: 90.6/35

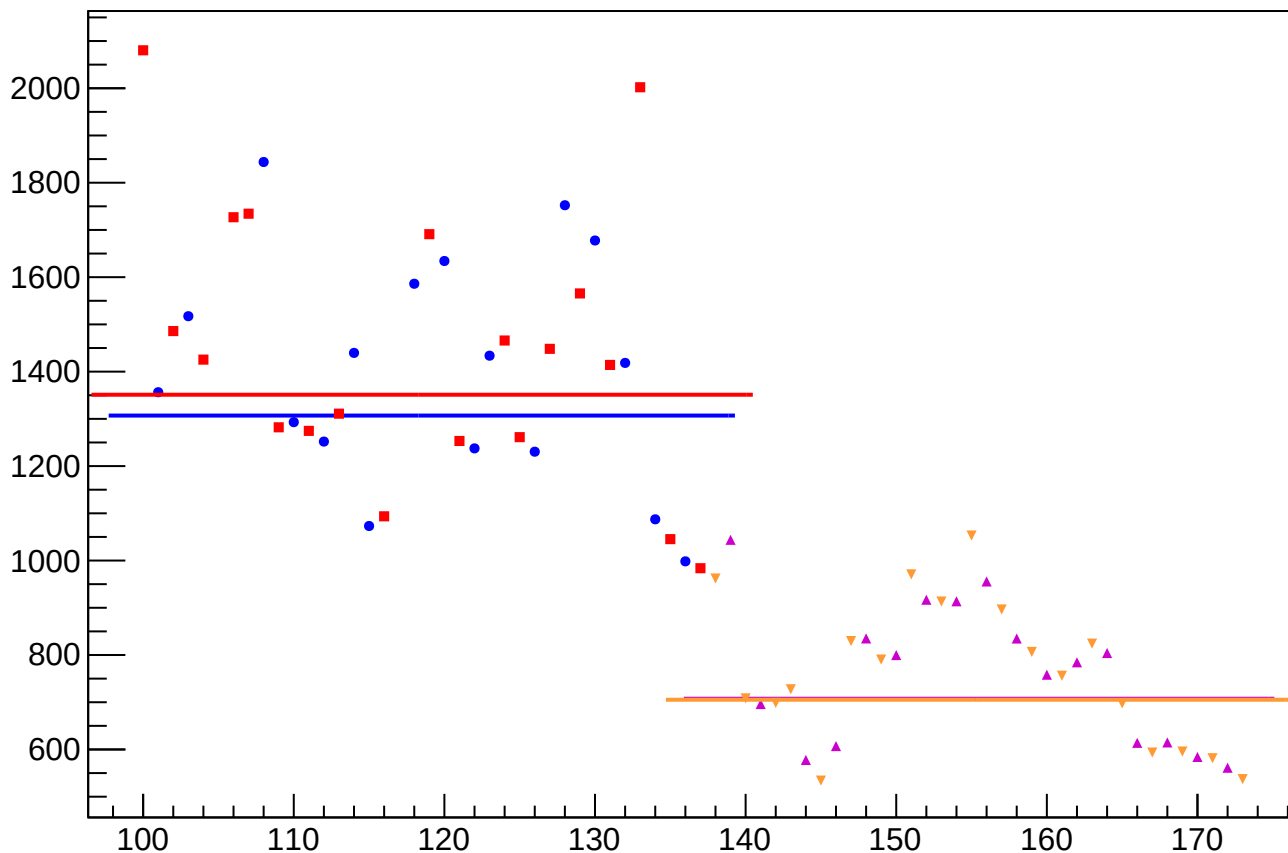
Right: -114.886 $\pm$ 365.862 χ^2 /NDF: 35.1/35

In: 97.883 $\pm$ 185.310 χ^2 /NDF:41.5/33

Out: 822.195 $\pm$ 179.309 χ^2 /NDF:79.2/37

All: 471.959 $\pm$ 128.860 χ^2 /NDF: 128.6/71

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 705.291+/-0.135 χ^2/NDF : 1147044.8/18

Right Out: 1351.096+/-0.365 χ^2/NDF : 421804.6/18

Left In: 707.453+/-0.140 χ^2/NDF : 924771.8/16

Left: 706.332+/-0.097 χ^2/NDF : 2071939.7/35

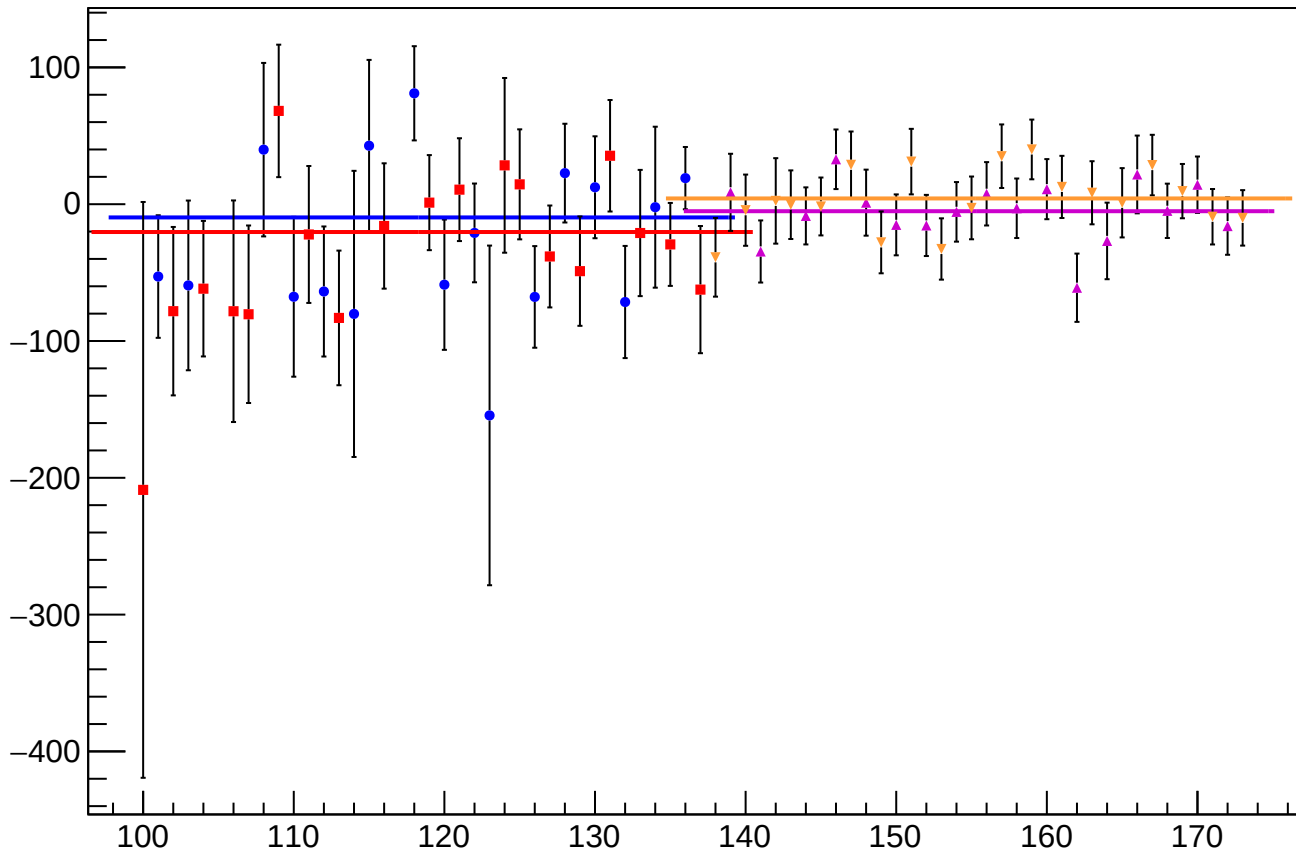
Right: 1329.131+/-0.259 χ^2/NDF : 880266.0/35

In: 784.034+/-0.131 χ^2/NDF : 3708378.7/33

Out: 783.176+/-0.127 χ^2/NDF : 4320373.8/37

All: 783.591+/-0.091 χ^2/NDF : 8028774.6/71

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: 4.202 ± 5.301 χ^2/NDF : 16.4/18

Right Out: -20.335 ± 10.444 χ^2/NDF : 14.7/18

Left In: -5.123 ± 5.523 χ^2/NDF : 14.0/16

Left: -0.269 ± 3.824 χ^2/NDF : 31.9/35

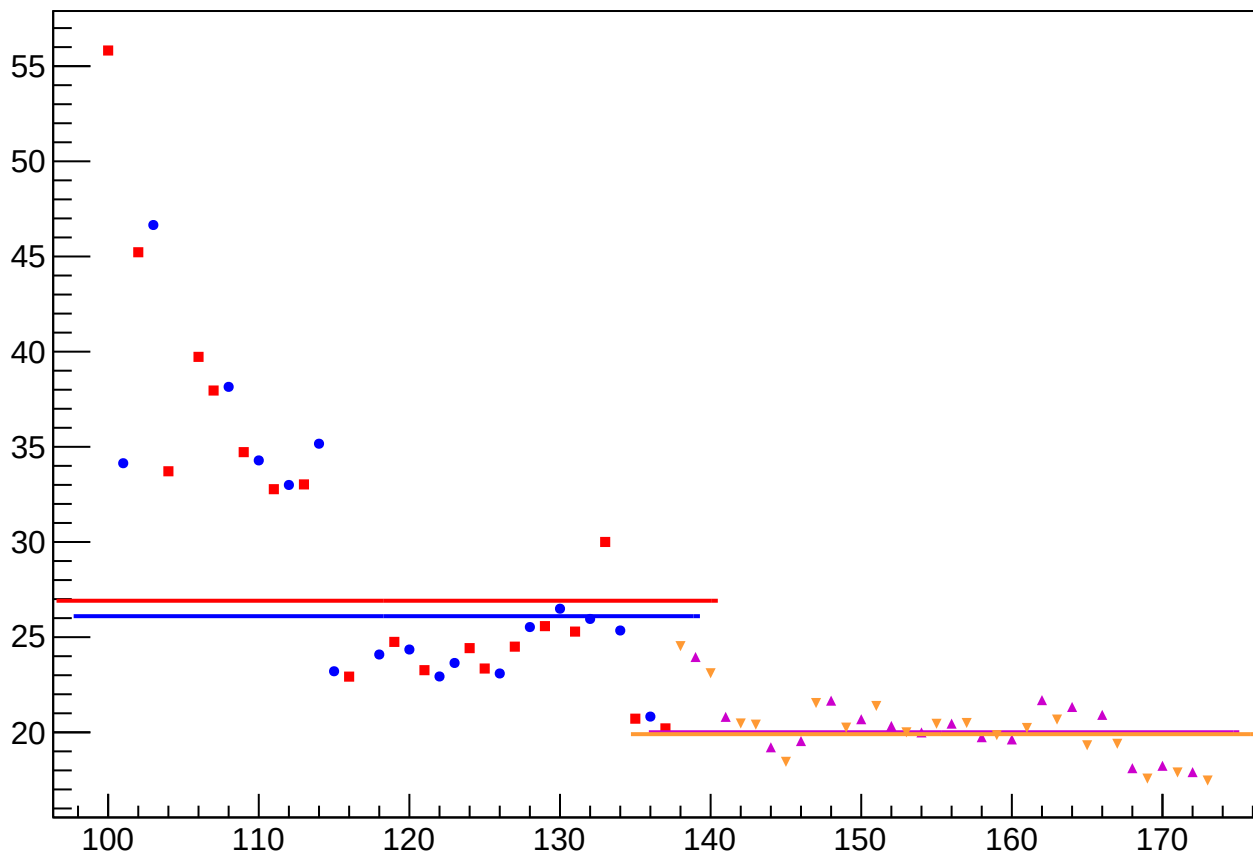
Right: -14.983 ± 7.372 χ^2/NDF : 37.7/35

In: -6.122 ± 4.879 χ^2/NDF : 36.7/33

Out: -0.825 ± 4.727 χ^2/NDF : 35.5/37

All: -3.390 ± 3.395 χ^2/NDF : 72.8/71

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103 ± 0.007 χ^2/NDF : 604038.5/16

Left Out: 19.904 ± 0.004 χ^2/NDF : 193331.6/18

Right Out: 26.914 ± 0.007 χ^2/NDF : 678970.2/18

Left In: 20.005 ± 0.004 χ^2/NDF : 127421.9/16

Left: 19.952 ± 0.003 χ^2/NDF : 321099.1/35

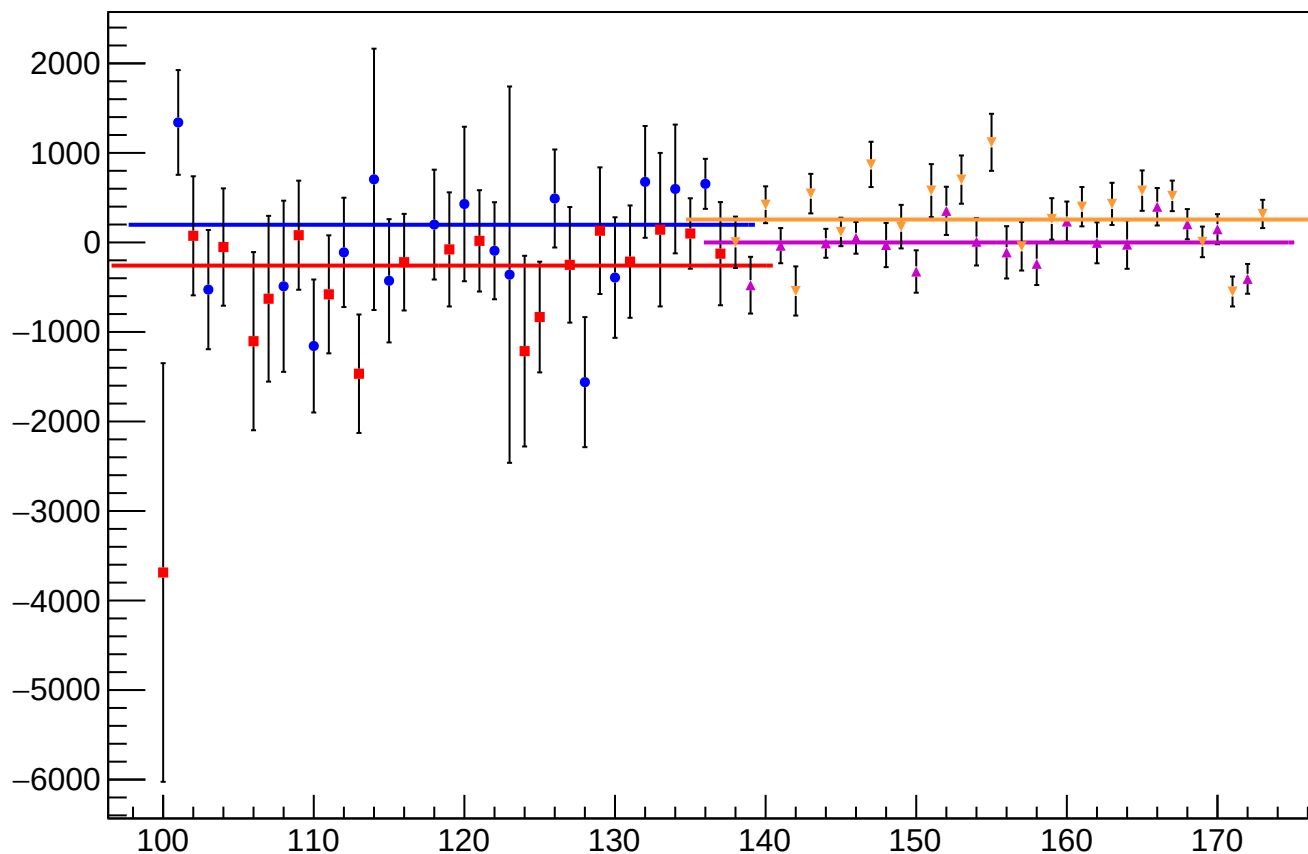
Right: 26.507 ± 0.005 χ^2/NDF : 1289062.8/35

In: 21.345 ± 0.003 χ^2/NDF : 1267131.4/33

Out: 21.340 ± 0.003 χ^2/NDF : 1588708.0/37

All: 21.342 ± 0.002 χ^2/NDF : 2855840.3/71

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327 $\pm$ 147.883 χ^2 /NDF: 21.0/16

Left Out: 255.950 $\pm$ 49.266 χ^2 /NDF:61.7/18

Right Out: -258.537 $\pm$ 149.867 χ^2 /NDF: 10.7/18

Left In: -0.366 $\pm$ 51.287 χ^2 /NDF:20.1/16

Left: 132.943 $\pm$ 35.529 χ^2 /NDF: 94.8/35

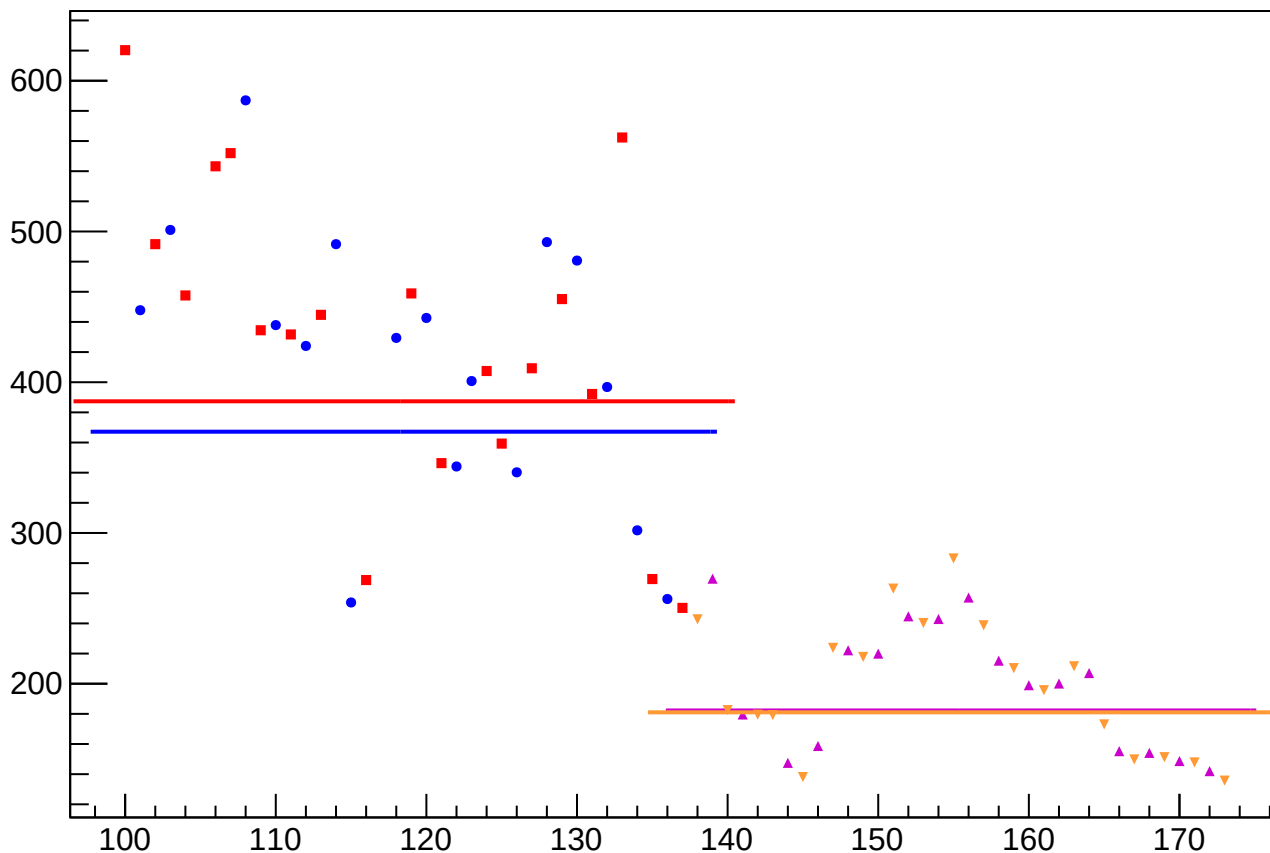
Right: -27.568 $\pm$ 105.264 χ^2 /NDF: 36.3/35

In: 20.859 $\pm$ 48.456 χ^2 /NDF:42.7/33

Out: 205.775 $\pm$ 46.802 χ^2 /NDF:83.0/37

All: 116.527 $\pm$ 33.663 χ^2 /NDF: 133.2/71

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.180+/-0.105 χ^2/NDF : 827148.2/16

Left Out: 181.021+/-0.035 χ^2/NDF :1337661.1/18

Right Out: 387.344+/-0.106 χ^2/NDF : 774562.4/18

Left In: 182.253+/-0.036 χ^2/NDF :1091695.1/16

Left: 181.613+/-0.025 χ^2/NDF : 2429956.3/35

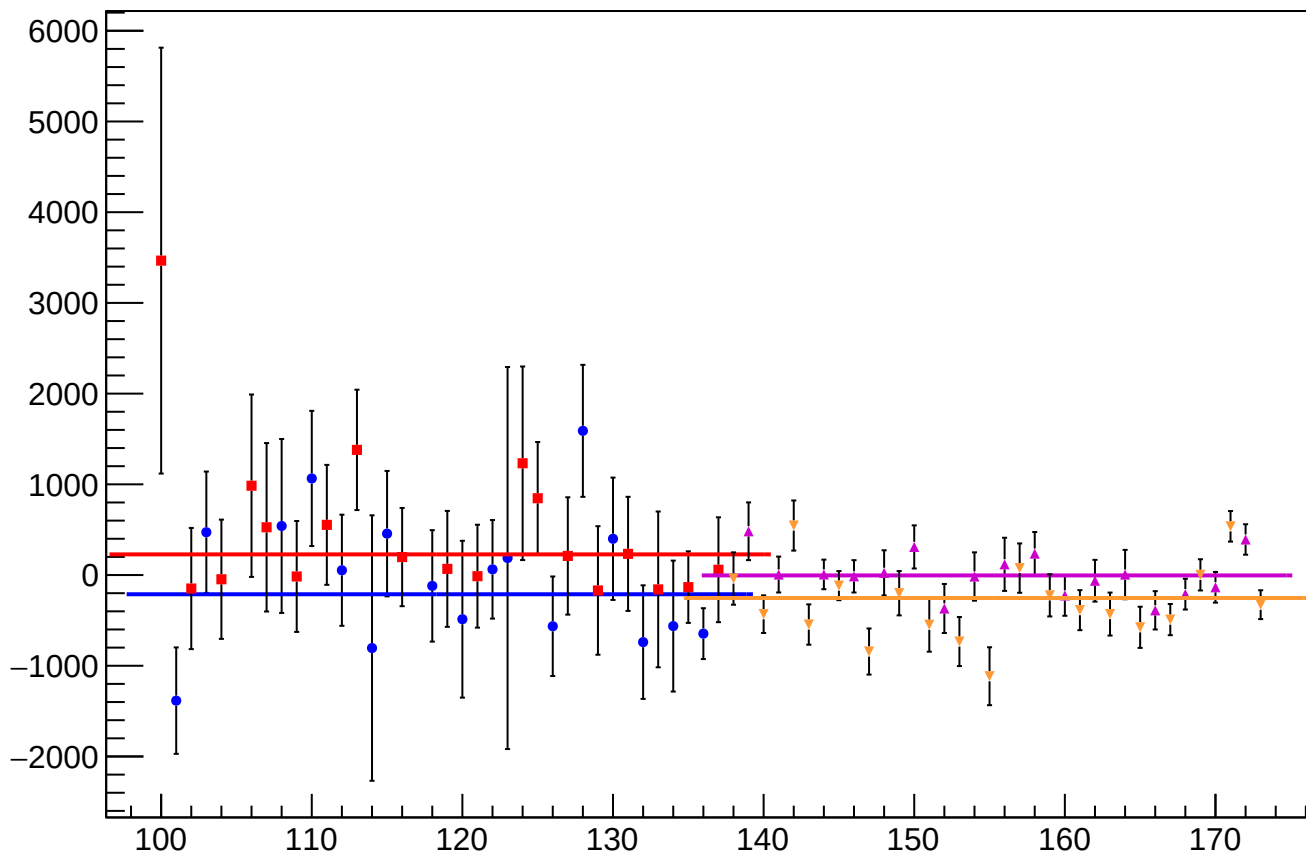
Right: 377.128+/-0.074 χ^2/NDF : 1620053.1/35

In: 202.108+/-0.034 χ^2/NDF :4710535.1/33

Out: 201.143+/-0.033 χ^2/NDF :5533172.8/37

All: 201.608+/-0.024 χ^2/NDF : 10244118.1/73

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859 ± 148.316 χ^2/NDF : 21.0/16

Left Out: -253.018 ± 49.588 χ^2/NDF : 59.8/18

Right Out: 227.831 ± 150.317 χ^2/NDF : 10.1/18

Left In: -4.037 ± 51.624 χ^2/NDF : 19.1/16

Left: -133.536 ± 35.762 χ^2/NDF : 91.0/35

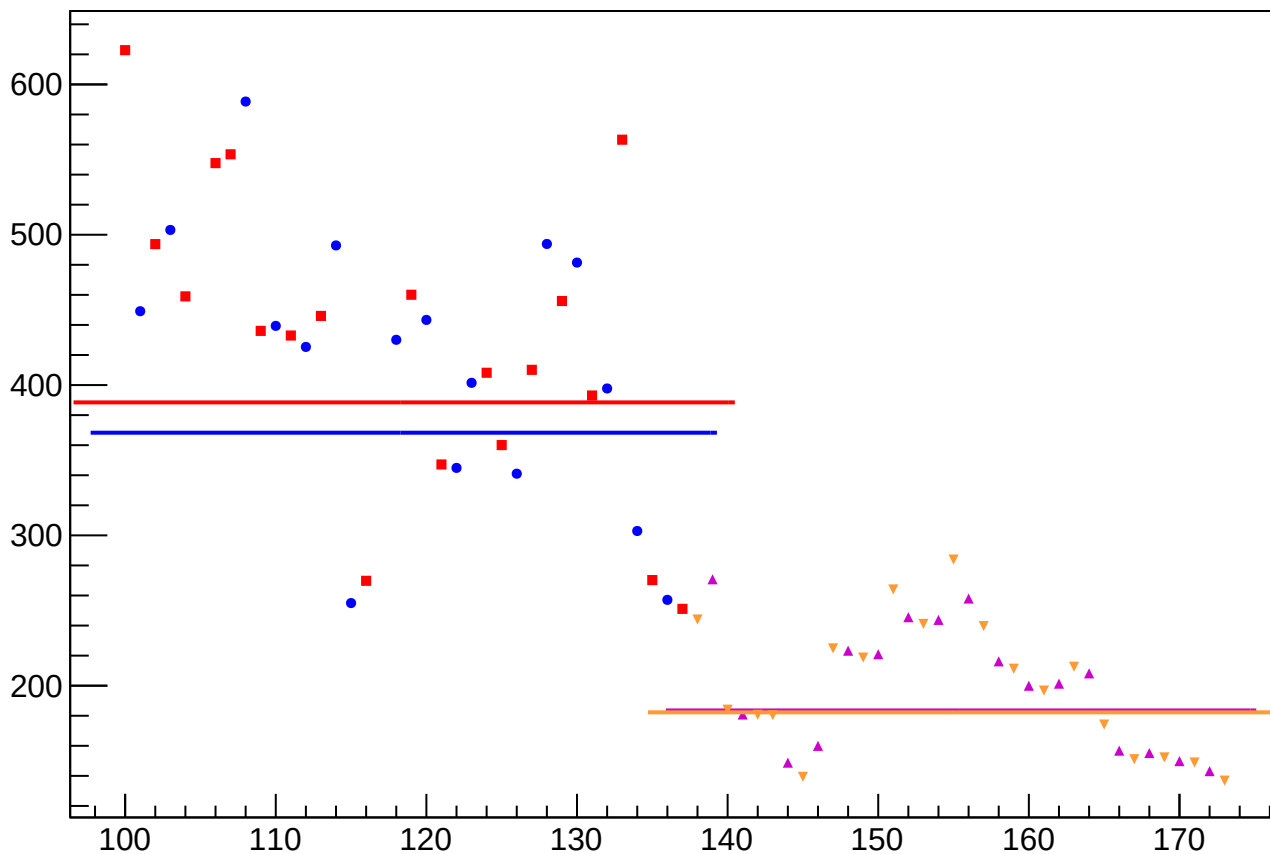
Right: 5.040 ± 105.575 χ^2/NDF : 35.4/35

In: -26.494 ± 48.755 χ^2/NDF : 41.9/33

Out: -205.825 ± 47.091 χ^2/NDF : 79.0/37

All: -119.272 ± 33.872 χ^2/NDF : 127.9/71

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302 ± 0.105 $\chi^2/\text{NDF}: 824619.2/16$

Left Out: 182.280 ± 0.035 $\chi^2/\text{NDF}: 1317164.5/18$

Right Out: 388.472 ± 0.106 $\chi^2/\text{NDF}: 774717.2/18$

Left In: 183.524 ± 0.037 $\chi^2/\text{NDF}: 1073335.6/16$

Left: 182.877 ± 0.025 $\chi^2/\text{NDF}: 2391104.2/35$

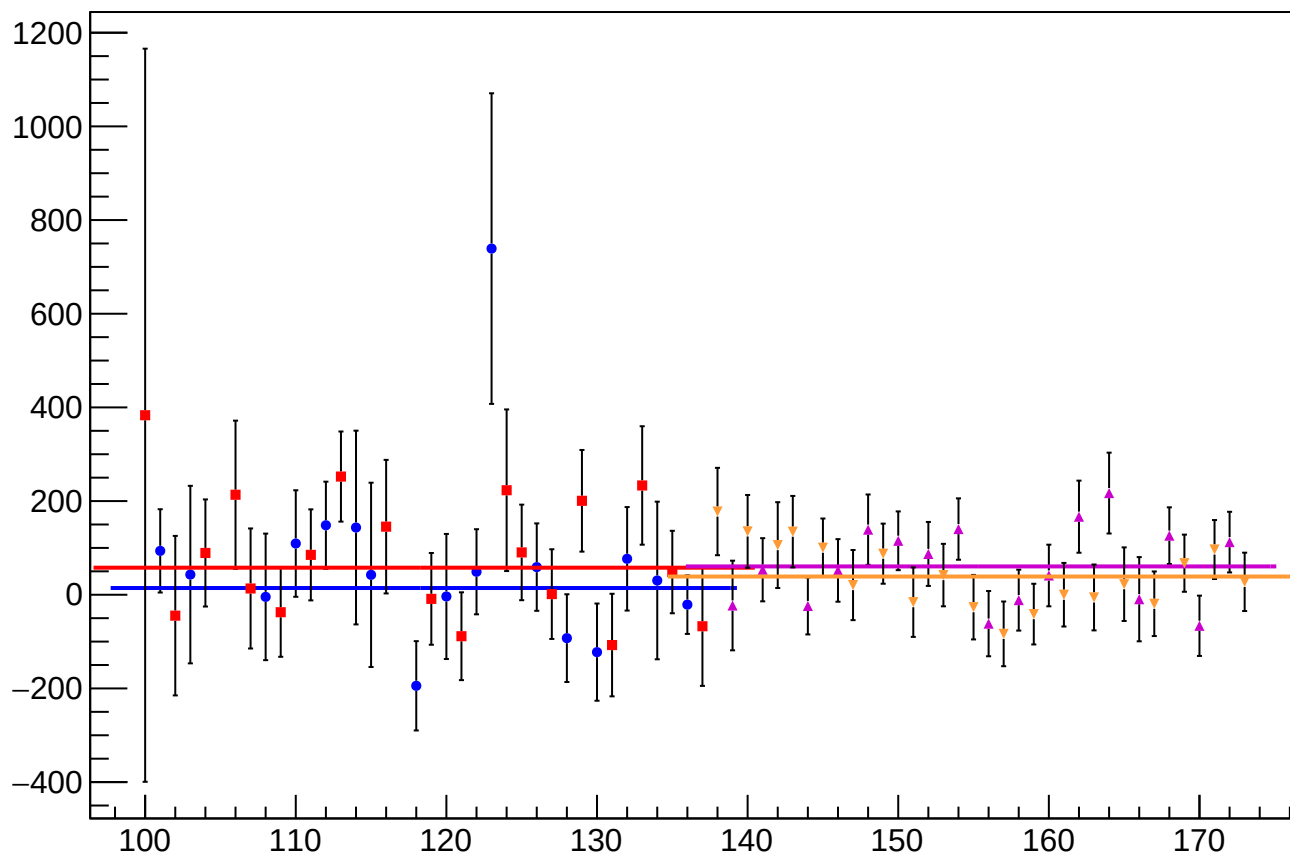
Right: 378.252 ± 0.075 $\chi^2/\text{NDF}: 1617584.5/35$

In: 203.492 ± 0.034 $\chi^2/\text{NDF}: 4666716.9/33$

Out: 202.517 ± 0.033 $\chi^2/\text{NDF}: 5485759.5/37$

All: 202.988 ± 0.024 $\chi^2/\text{NDF}: 10152889.8/73$

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 38.899 $\pm$ 16.041 χ^2 /NDF:16.2/18

Right Out: 57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

Left In: 60.498 $\pm$ 16.768 χ^2 /NDF:22.1/16

Left: 49.220 $\pm$ 11.591 χ^2 /NDF: 39.1/35

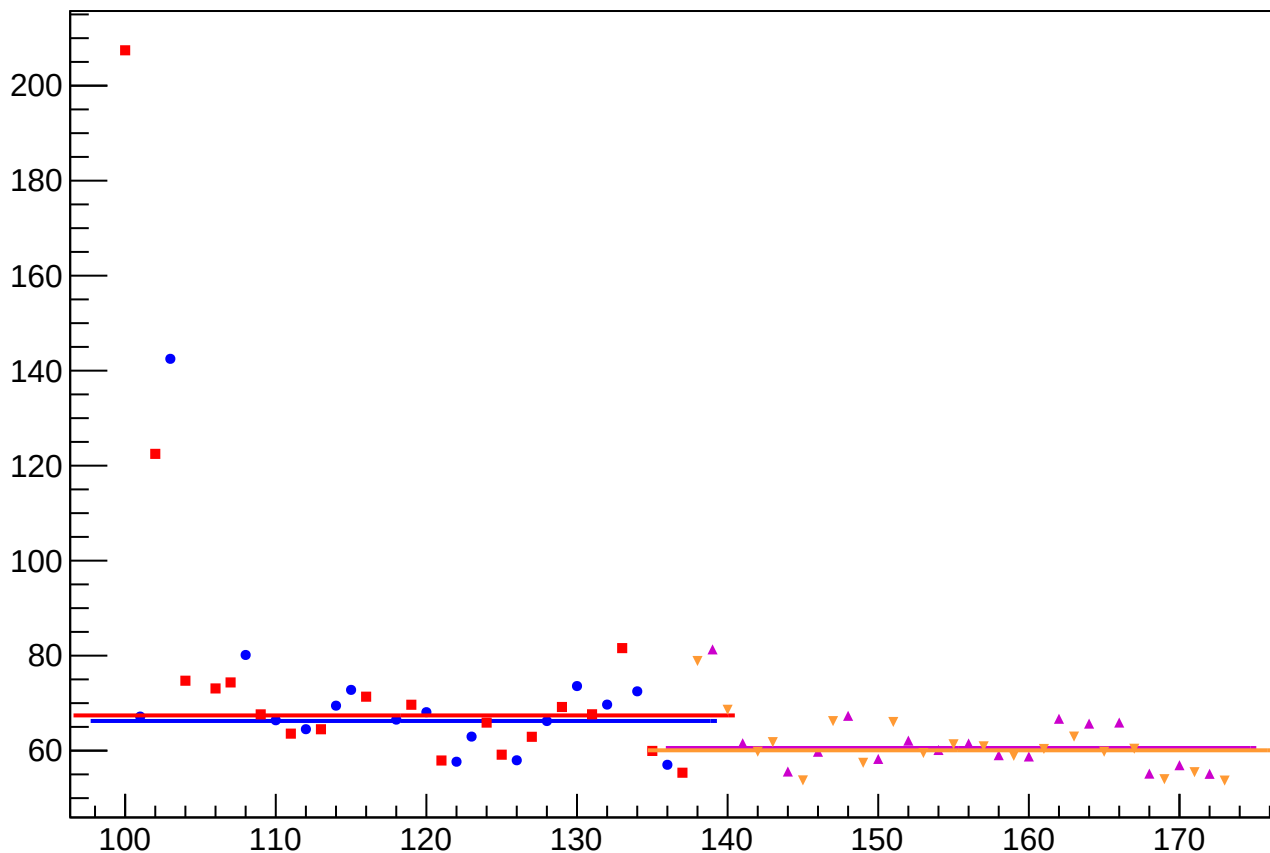
Right: 36.266 $\pm$ 18.545 χ^2 /NDF: 37.5/35

In: 47.194 $\pm$ 14.144 χ^2 /NDF:42.0/33

Out: 44.074 $\pm$ 13.669 χ^2 /NDF:35.0/37

All: 45.581 $\pm$ 9.829 χ^2 /NDF: 77.0/71

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 $\pm$ 0.019 χ^2 /NDF: 440944.2/16

Left Out: 60.070 $\pm$ 0.011 χ^2 /NDF: 213614.2/18

Right Out: 67.415 $\pm$ 0.018 χ^2 /NDF: 393608.5/18

Left In: 60.557 $\pm$ 0.012 χ^2 /NDF: 194495.9/16

Left: 60.303 $\pm$ 0.008 χ^2 /NDF: 408991.5/35

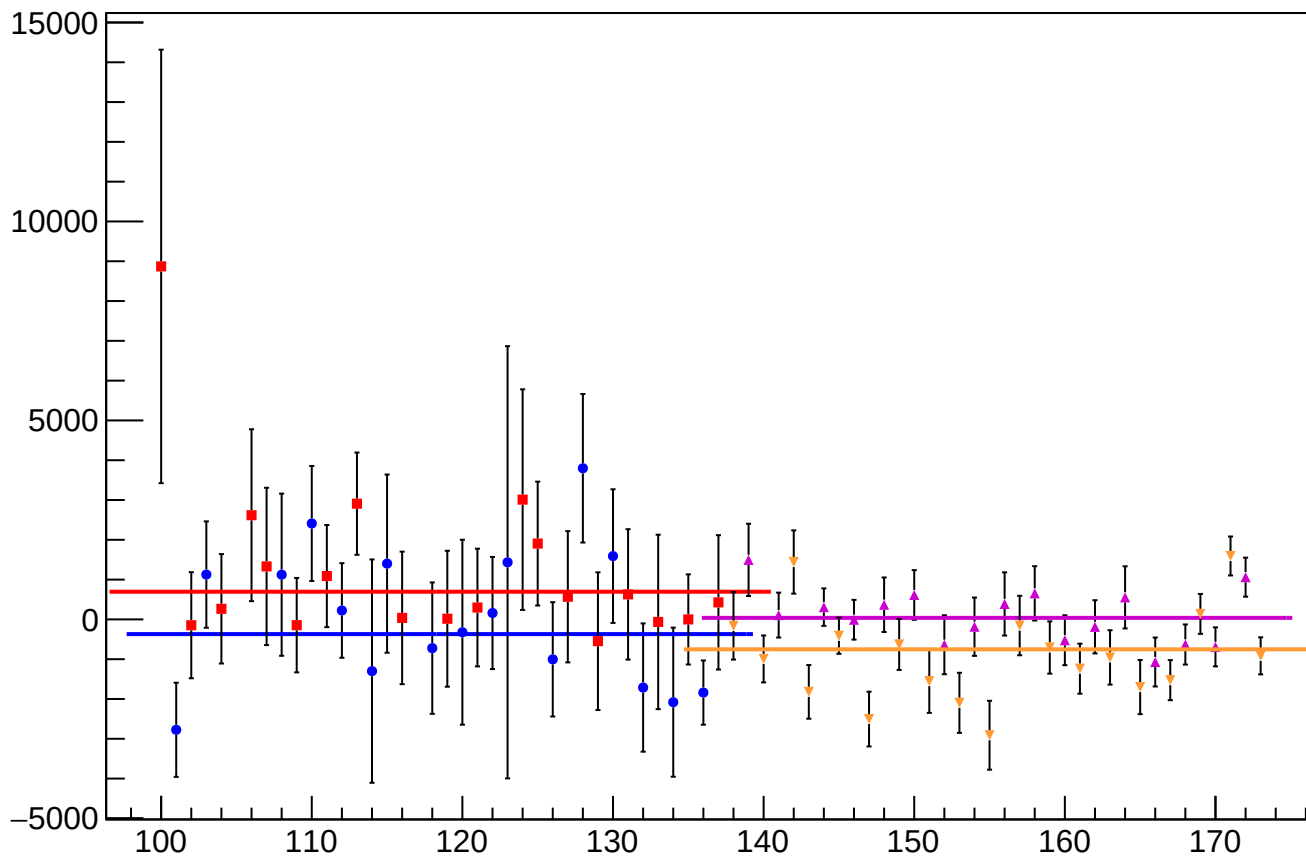
Right: 66.836 $\pm$ 0.013 χ^2 /NDF: 836536.0/35

In: 62.199 $\pm$ 0.010 χ^2 /NDF: 701870.2/33

Out: 62.082 $\pm$ 0.010 χ^2 /NDF: 722050.5/37

All: 62.138 $\pm$ 0.007 χ^2 /NDF: 1423991.7/71

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546+/-366.432 χ^2/NDF : 22.3/16

Left Out: -752.194+/-141.761 χ^2/NDF :60.2/18

Right Out: 695.425+/-361.887 χ^2/NDF : 9.9/18

Left In: 38.512+/-146.959 χ^2/NDF :18.9/16

Left: -371.071+/-102.028 χ^2/NDF : 94.0/35

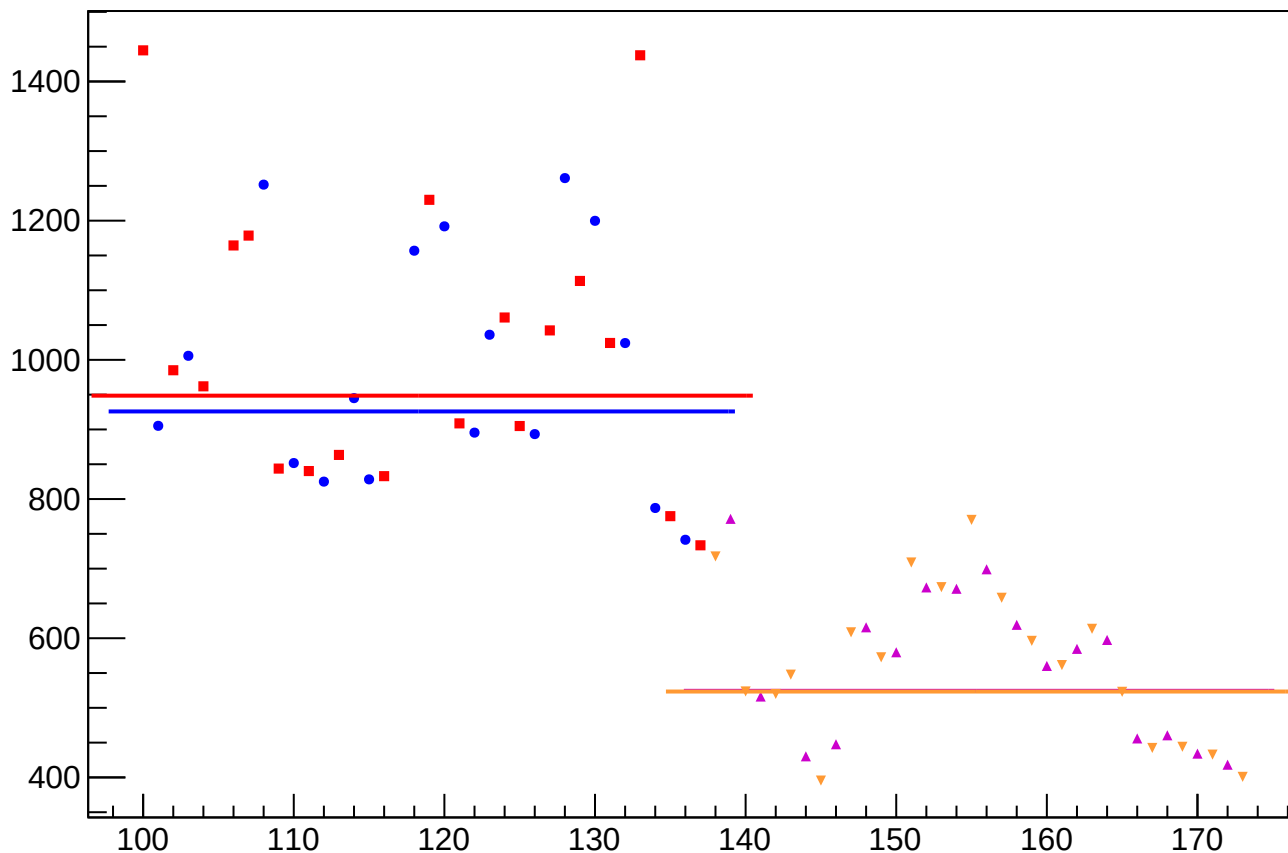
Right: 169.586+/-257.485 χ^2/NDF : 36.5/35

In: -18.027+/-136.398 χ^2/NDF :42.2/33

Out: -559.609+/-131.995 χ^2/NDF :84.0/37

All: -297.700+/-94.853 χ^2/NDF : 134.3/71

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885+/-0.259 χ^2/NDF : 391084.5/16

Left Out: 523.415+/-0.100 χ^2/NDF : 1099057.6/18

Right Out: 948.553+/-0.256 χ^2/NDF : 381931.9/18

Left In: 524.427+/-0.104 χ^2/NDF : 881674.9/16

Left: 523.903+/-0.072 χ^2/NDF : 1980781.6/35

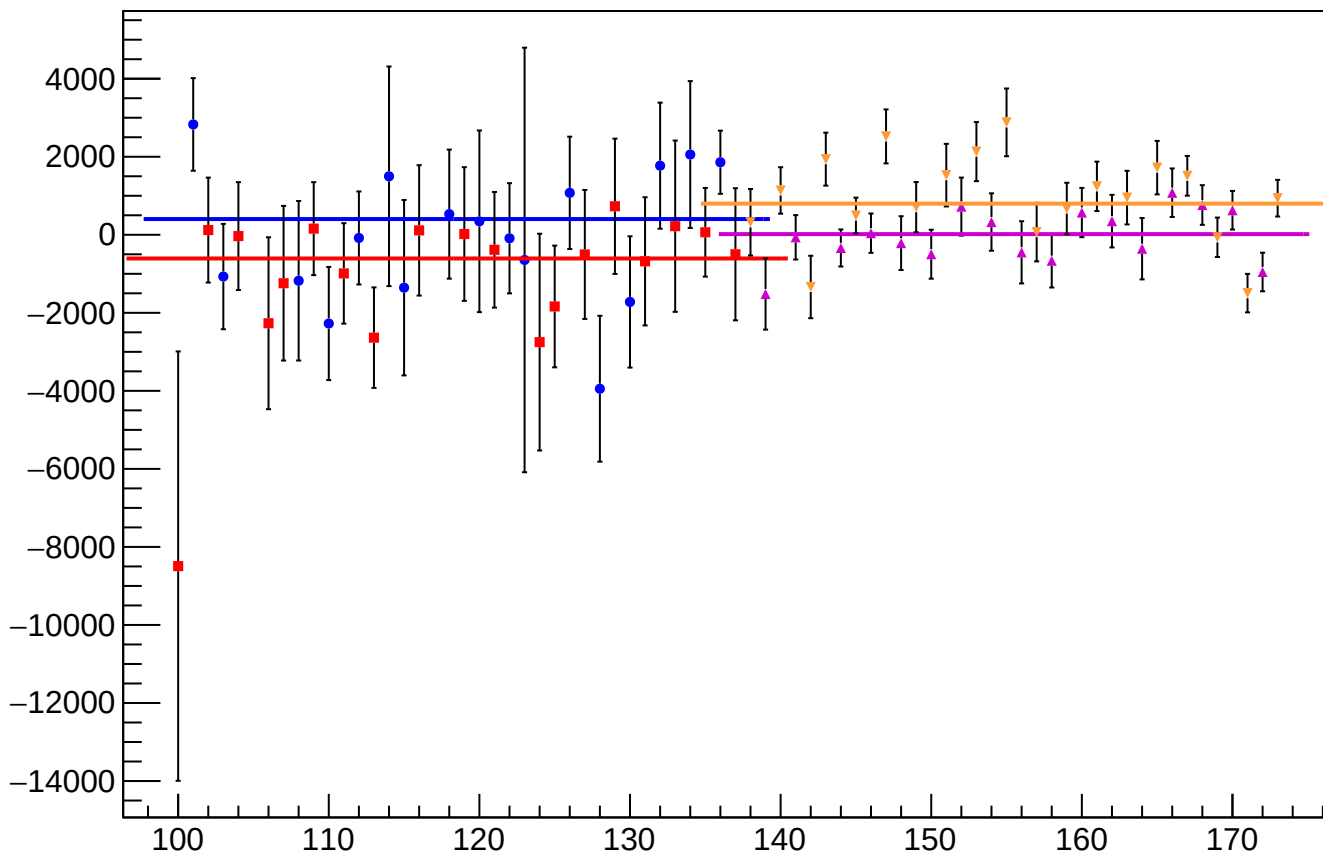
Right: 937.360+/-0.182 χ^2/NDF : 776890.8/35

In: 580.052+/-0.096 χ^2/NDF : 3340751.6/33

Out: 579.974+/-0.093 χ^2/NDF : 3873994.4/37

All: 580.011+/-0.067 χ^2/NDF : 7214746.4/71

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591+/-367.686 χ^2/NDF : 22.4/16

Left Out: 798.453+/-142.774 χ^2/NDF : 56.8/18

Right Out: -607.276+/-363.327 χ^2/NDF : 8.8/18

Left In: 16.771+/-148.028 χ^2/NDF : 18.3/16

Left: 421.730+/-102.764 χ^2/NDF : 89.6/35

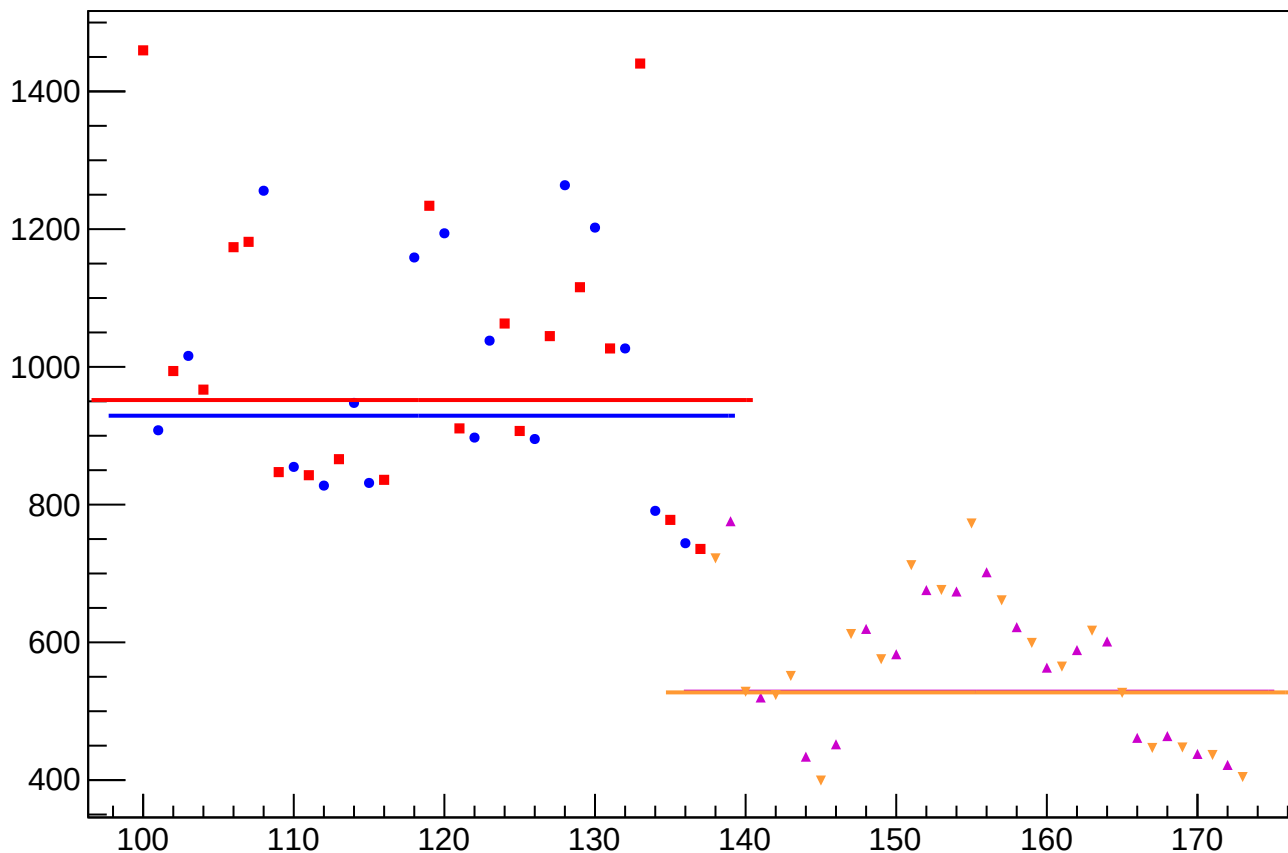
Right: -107.869+/-258.438 χ^2/NDF : 35.1/35

In: 70.723+/-137.318 χ^2/NDF : 41.7/33

Out: 610.417+/-132.882 χ^2/NDF : 78.6/37

All: 349.426+/-95.492 χ^2/NDF : 128.3/71

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2 /NDF: 390292.1/16

Left Out: 527.340 $\pm$ 0.101 χ^2 /NDF:1080023.6/18

Right Out: 951.847 $\pm$ 0.257 χ^2 /NDF: 382219.3/18

Left In: 528.421 $\pm$ 0.105 χ^2 /NDF:865423.8/16

Left: 527.861 $\pm$ 0.073 χ^2 /NDF: 1945502.6/35

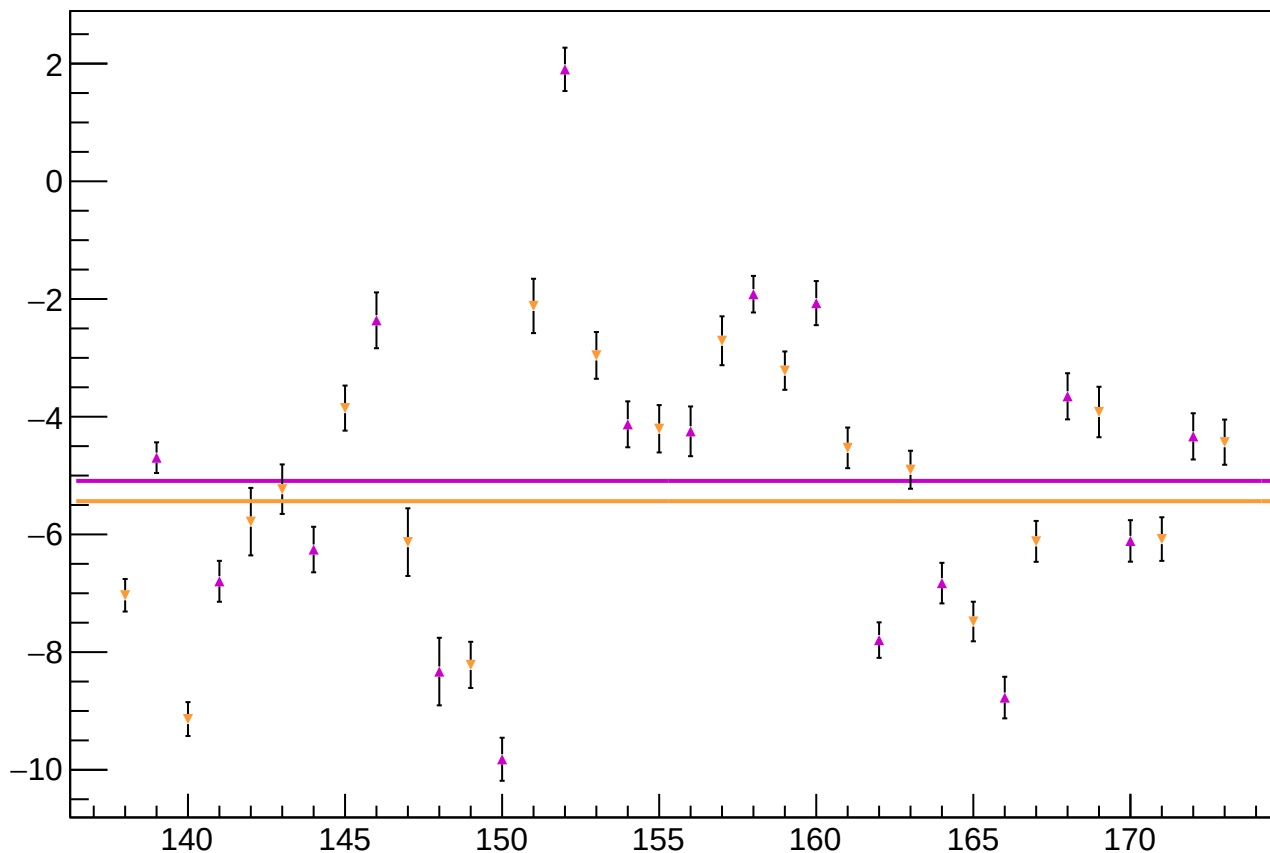
Right: 940.607 $\pm$ 0.183 χ^2 /NDF: 776385.5/35

In: 584.306 $\pm$ 0.097 χ^2 /NDF:3299447.9/33

Out: 584.124 $\pm$ 0.094 χ^2 /NDF:3827283.1/37

All: 584.212 $\pm$ 0.068 χ^2 /NDF: 7126732.9/71

reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -5.435 ± 0.085 χ^2/NDF : 529.9/18

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -5.091 ± 0.088 χ^2/NDF : 1047.0/16

Left: -5.267 ± 0.061 χ^2/NDF : 1584.8/35

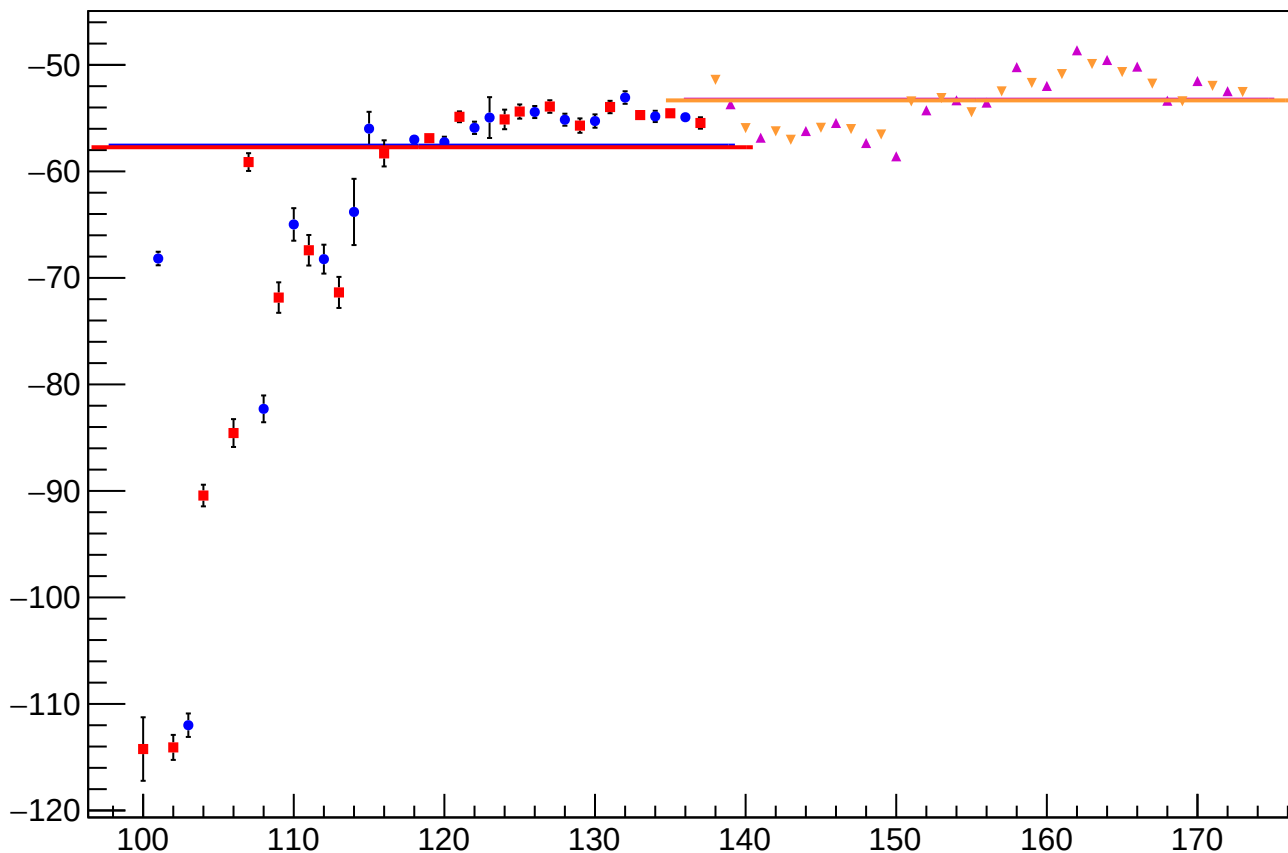
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -5.091 ± 0.088 χ^2/NDF : 1047.0/16

Out: -5.435 ± 0.085 χ^2/NDF : 529.9/18

All: -5.267 ± 0.061 χ^2/NDF : 1584.8/35

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -53.333 ± 0.064 χ^2/NDF : 1201.2/18

Right Out: -57.732 ± 0.143 χ^2/NDF : 4698.5/18

Left In: -53.265 ± 0.067 χ^2/NDF : 1937.1/16

Left: -53.301 ± 0.046 χ^2/NDF : 3138.8/35

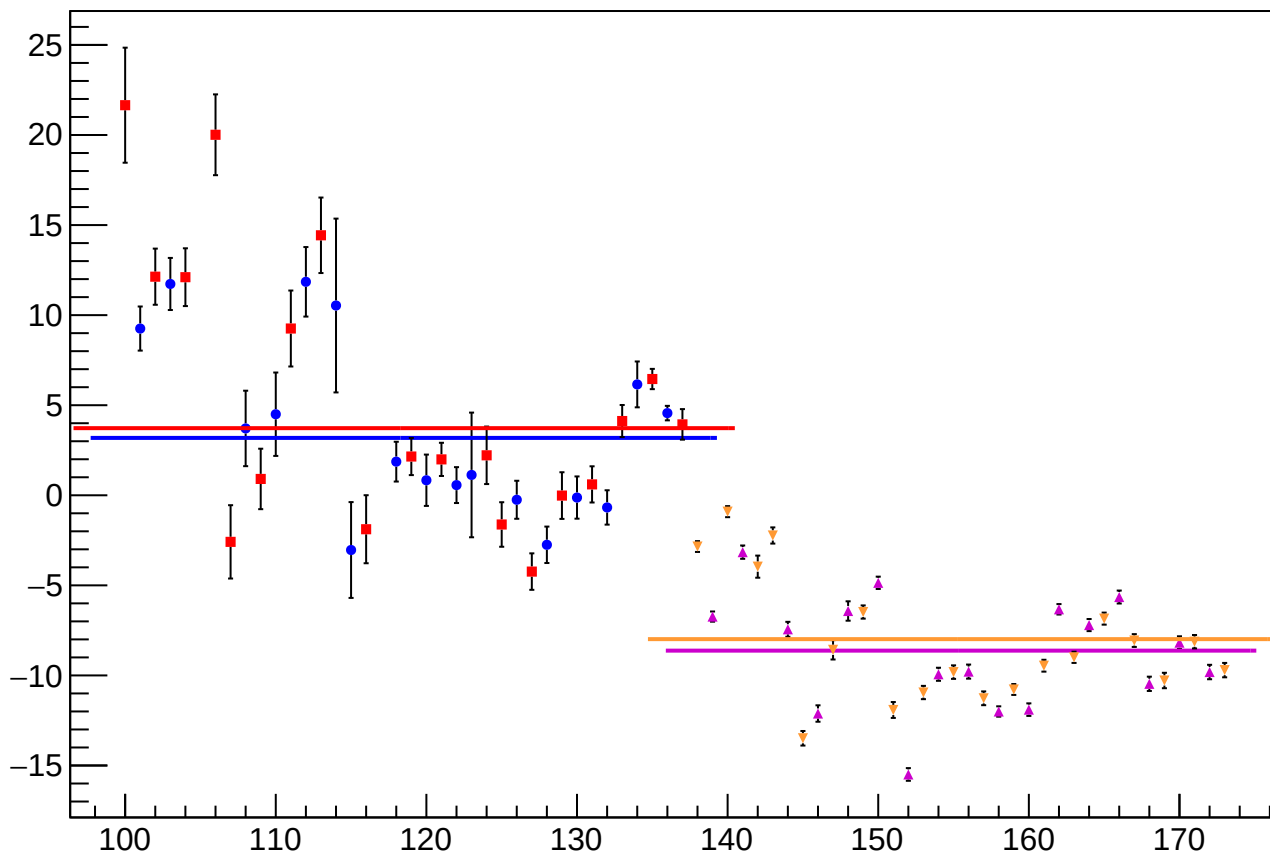
Right: -57.657 ± 0.101 χ^2/NDF : 8154.5/35

In: -54.047 ± 0.061 χ^2/NDF : 6137.8/33

Out: -54.068 ± 0.058 χ^2/NDF : 6688.3/37

All: -54.058 ± 0.042 χ^2/NDF : 12826.1/71

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 $\chi^2/\text{NDF}: 185.8/16$

Left Out: -7.985 ± 0.085 $\chi^2/\text{NDF}: 1651.6/18$

Right Out: 3.726 ± 0.268 $\chi^2/\text{NDF}: 324.1/18$

Left In: -8.624 ± 0.086 $\chi^2/\text{NDF}: 1277.9/16$

Left: -8.299 ± 0.061 $\chi^2/\text{NDF}: 2957.3/35$

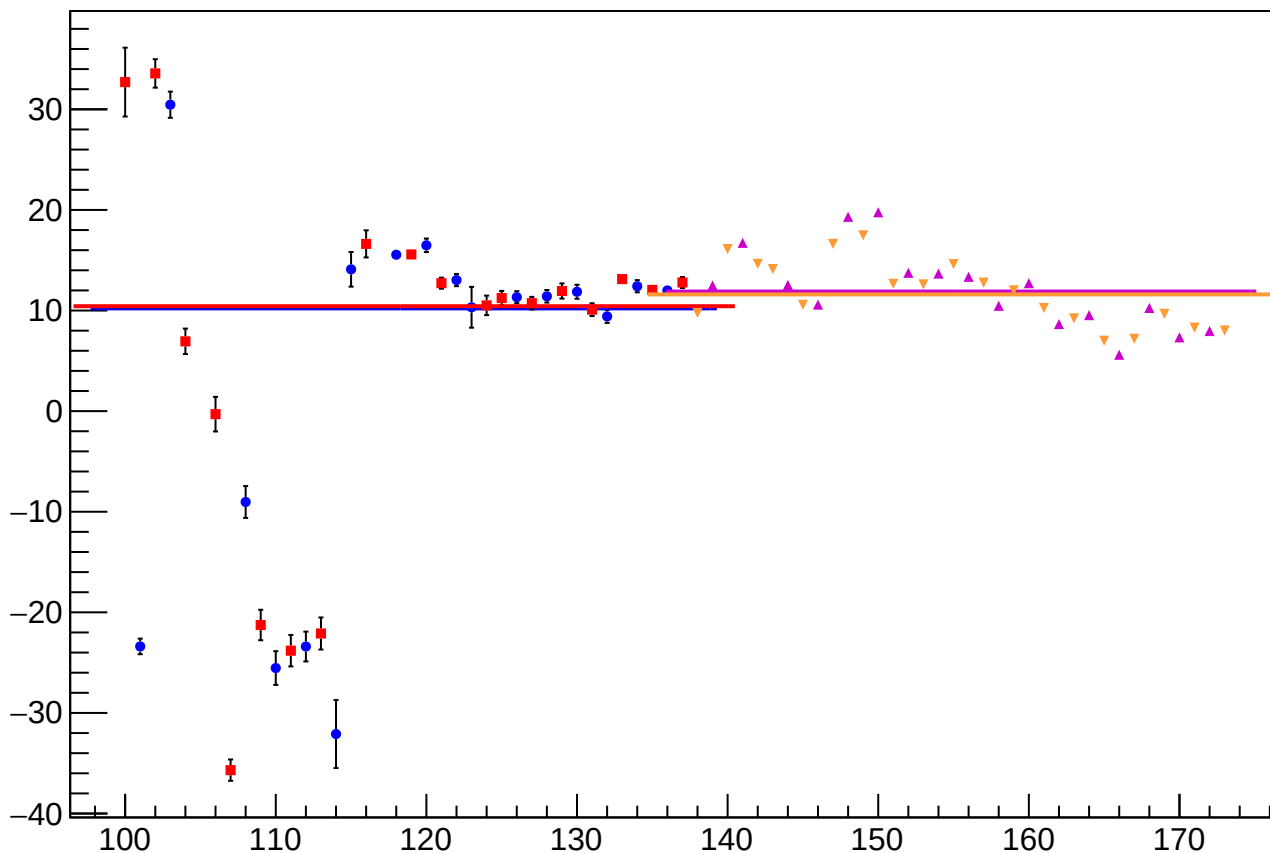
Right: 3.447 ± 0.186 $\chi^2/\text{NDF}: 512.0/35$

In: -7.442 ± 0.082 $\chi^2/\text{NDF}: 3334.5/33$

Out: -6.916 ± 0.081 $\chi^2/\text{NDF}: 3716.9/37$

All: -7.175 ± 0.058 $\chi^2/\text{NDF}: 7072.4/71$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215 $\pm$ 0.158 χ^2 /NDF: 3692.6/16

Left Out: 11.604 $\pm$ 0.072 χ^2 /NDF:1822.1/18

Right Out: 10.430 $\pm$ 0.160 χ^2 /NDF: 3826.9/18

Left In: 11.887 $\pm$ 0.076 χ^2 /NDF:2481.0/16

Left: 11.739 $\pm$ 0.052 χ^2 /NDF: 4310.4/35

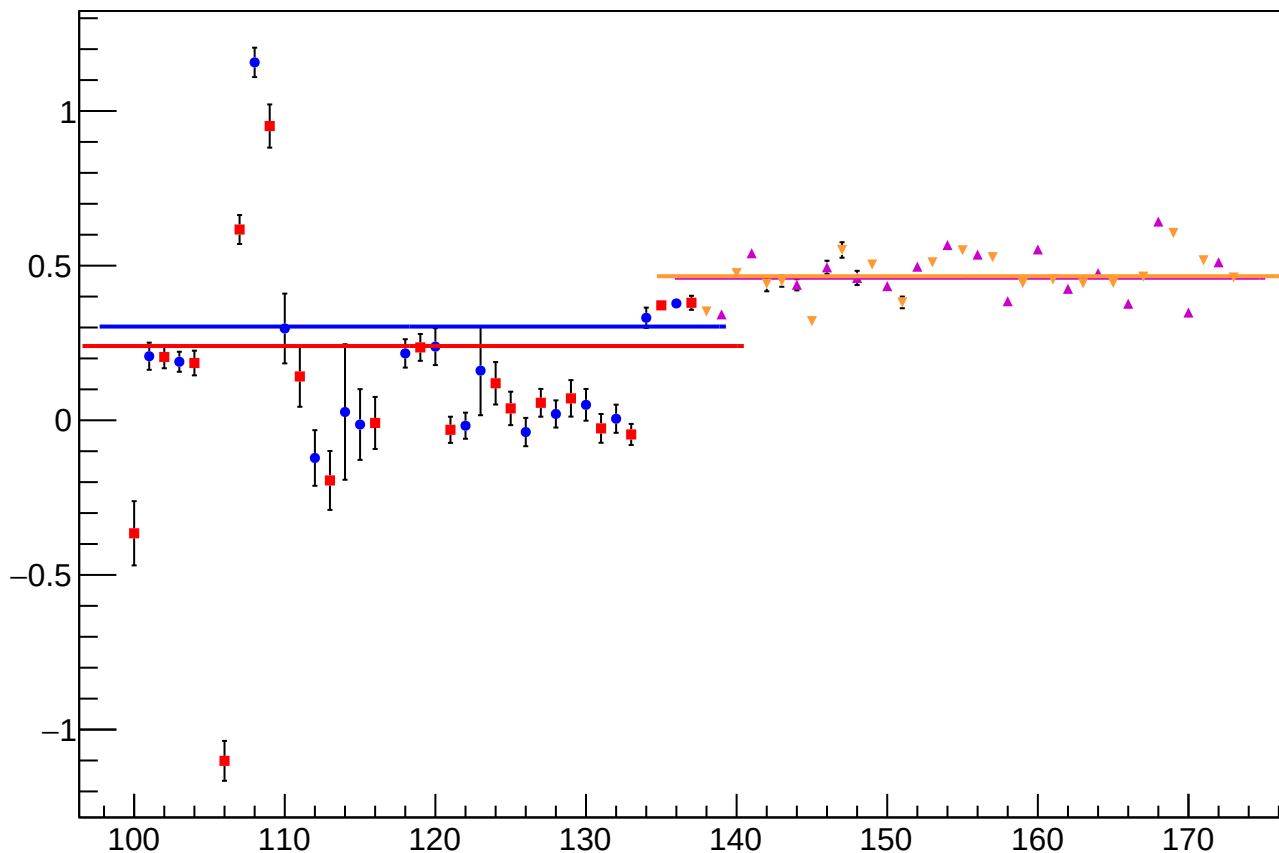
Right: 10.321 $\pm$ 0.112 χ^2 /NDF: 7520.5/35

In: 11.576 $\pm$ 0.068 χ^2 /NDF:6264.7/33

Out: 11.404 $\pm$ 0.066 χ^2 /NDF:5693.7/37

All: 11.487 $\pm$ 0.047 χ^2 /NDF: 11961.6/71

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 ± 0.008 χ^2/NDF : 646.3/16

Left Out: 0.466 ± 0.003 χ^2/NDF : 401.7/18

Right Out: 0.240 ± 0.009 χ^2/NDF : 984.4/18

Left In: 0.461 ± 0.003 χ^2/NDF : 668.2/16

Left: 0.463 ± 0.002 χ^2/NDF : 1071.1/35

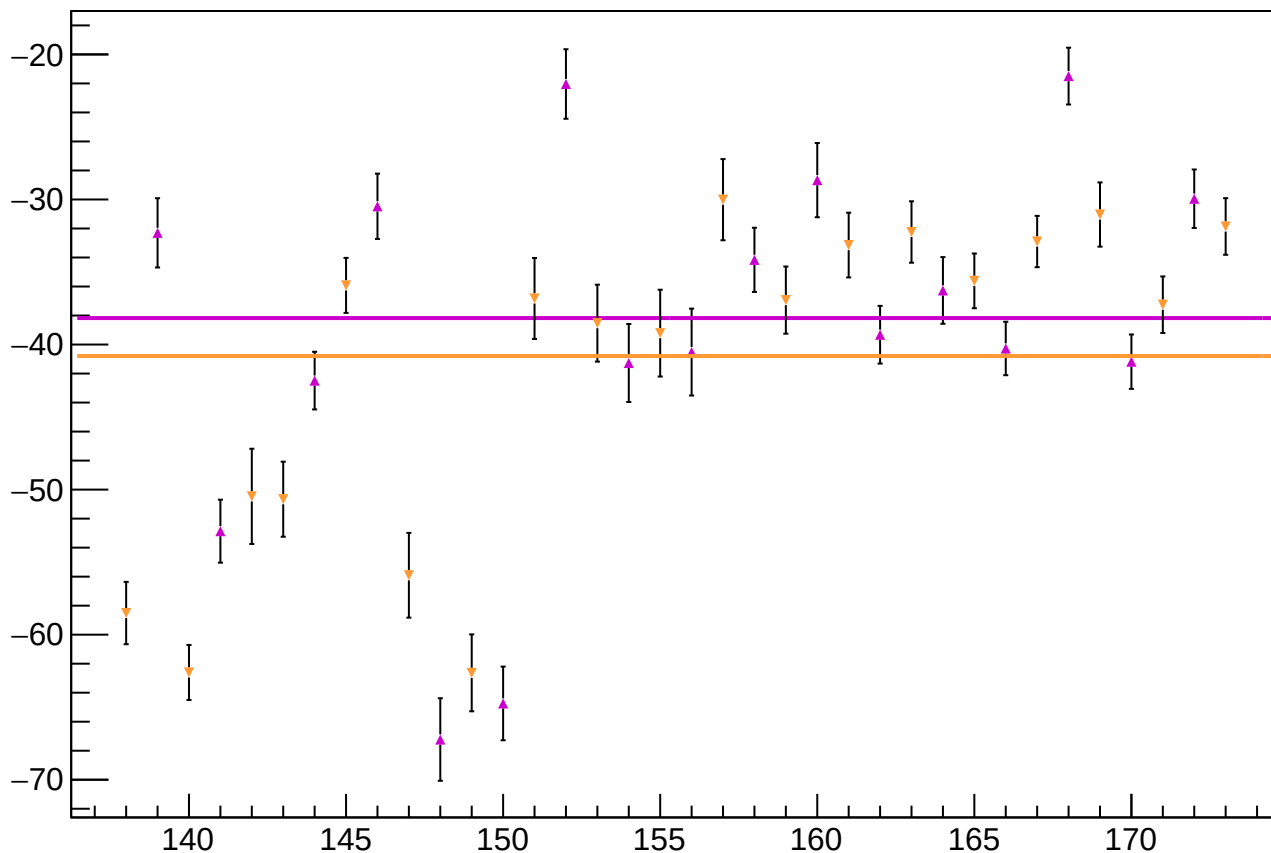
Right: 0.273 ± 0.006 χ^2/NDF : 1658.9/35

In: 0.439 ± 0.003 χ^2/NDF : 1632.3/33

Out: 0.437 ± 0.003 χ^2/NDF : 1997.8/37

All: 0.438 ± 0.002 χ^2/NDF : 3630.2/71

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -40.793+/-0.518 χ^2/NDF :444.8/18

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

Left In: -38.175+/-0.540 χ^2/NDF :440.4/16

Left: -39.539+/-0.374 χ^2/NDF : 897.5/35

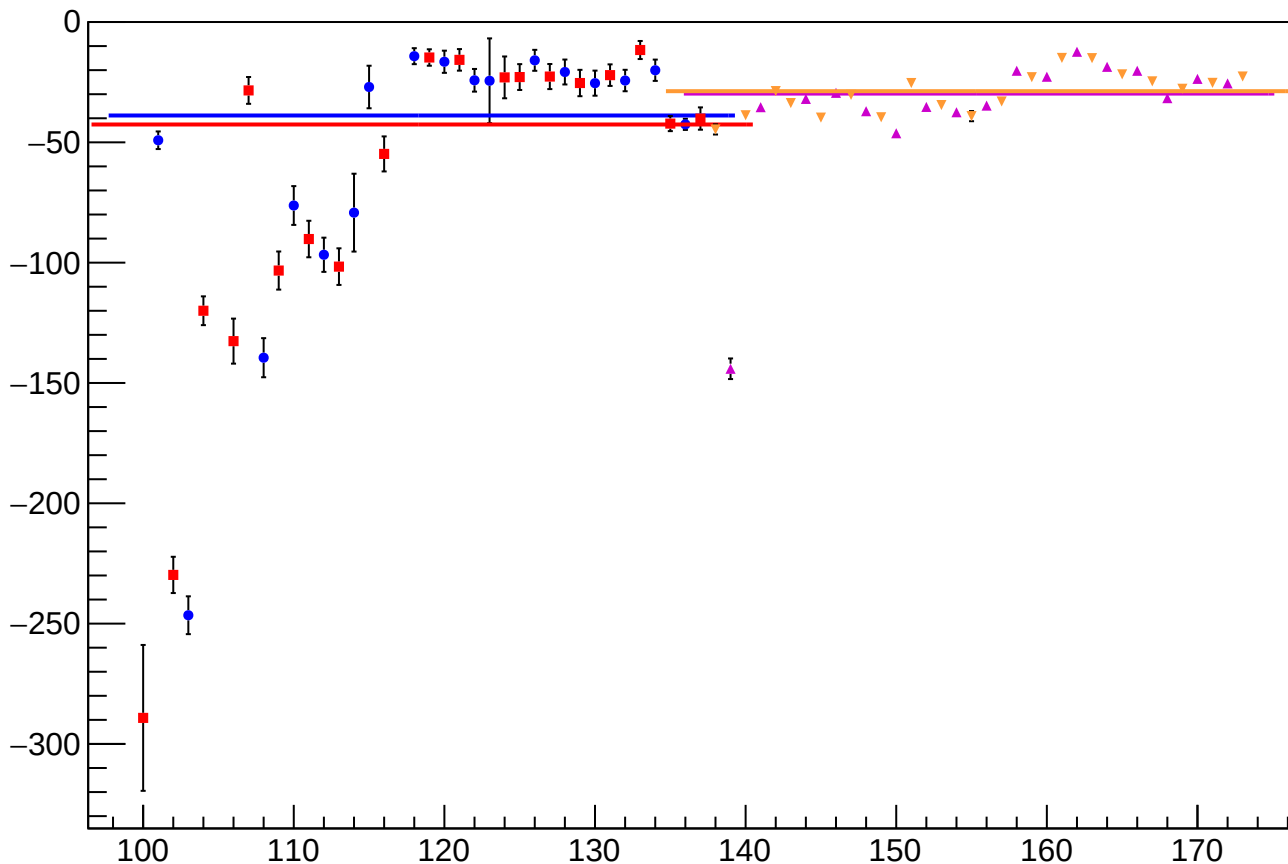
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.175+/-0.540 χ^2/NDF :440.4/16

Out: -40.793+/-0.518 χ^2/NDF :444.8/18

All: -39.539+/-0.374 χ^2/NDF : 897.5/35

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 ± 1.148 χ^2/NDF : 1121.9/16

Left Out: -28.743 ± 0.379 χ^2/NDF : 456.3/18

Right Out: -42.586 ± 1.210 χ^2/NDF : 1345.7/18

Left In: -29.738 ± 0.398 χ^2/NDF : 1153.5/16

Left: -29.216 ± 0.275 χ^2/NDF : 1613.1/35

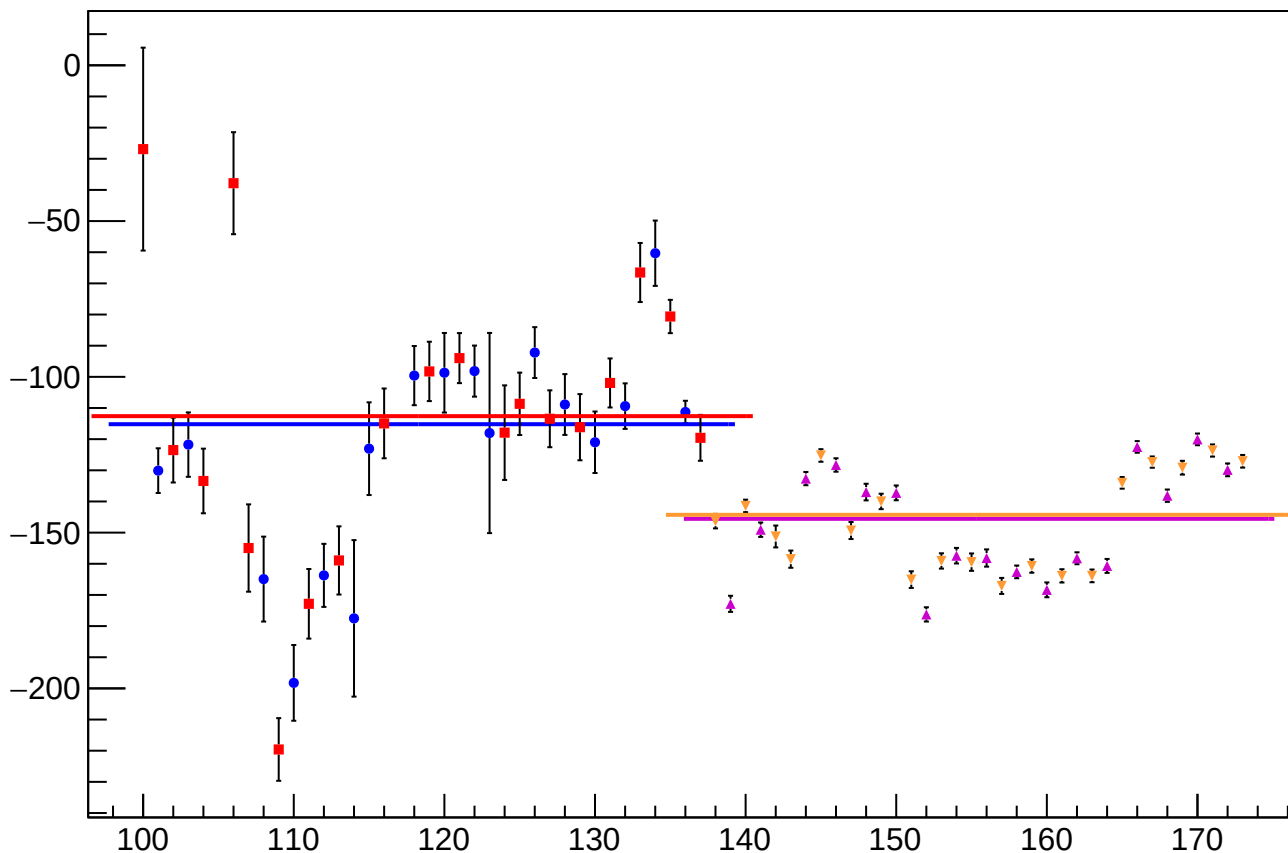
Right: -40.617 ± 0.833 χ^2/NDF : 2472.6/35

In: -30.715 ± 0.376 χ^2/NDF : 2331.6/33

Out: -29.981 ± 0.362 χ^2/NDF : 1921.2/37

All: -30.334 ± 0.261 χ^2/NDF : 4254.7/71

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 ± 2.081 $\chi^2/\text{NDF}: 140.8/16$

Left Out: -144.288 ± 0.517 $\chi^2/\text{NDF}: 915.5/18$

Right Out: -112.611 ± 2.209 $\chi^2/\text{NDF}: 272.4/18$

Left In: -145.574 ± 0.533 $\chi^2/\text{NDF}: 1118.5/16$

Left: -144.911 ± 0.371 $\chi^2/\text{NDF}: 2037.1/35$

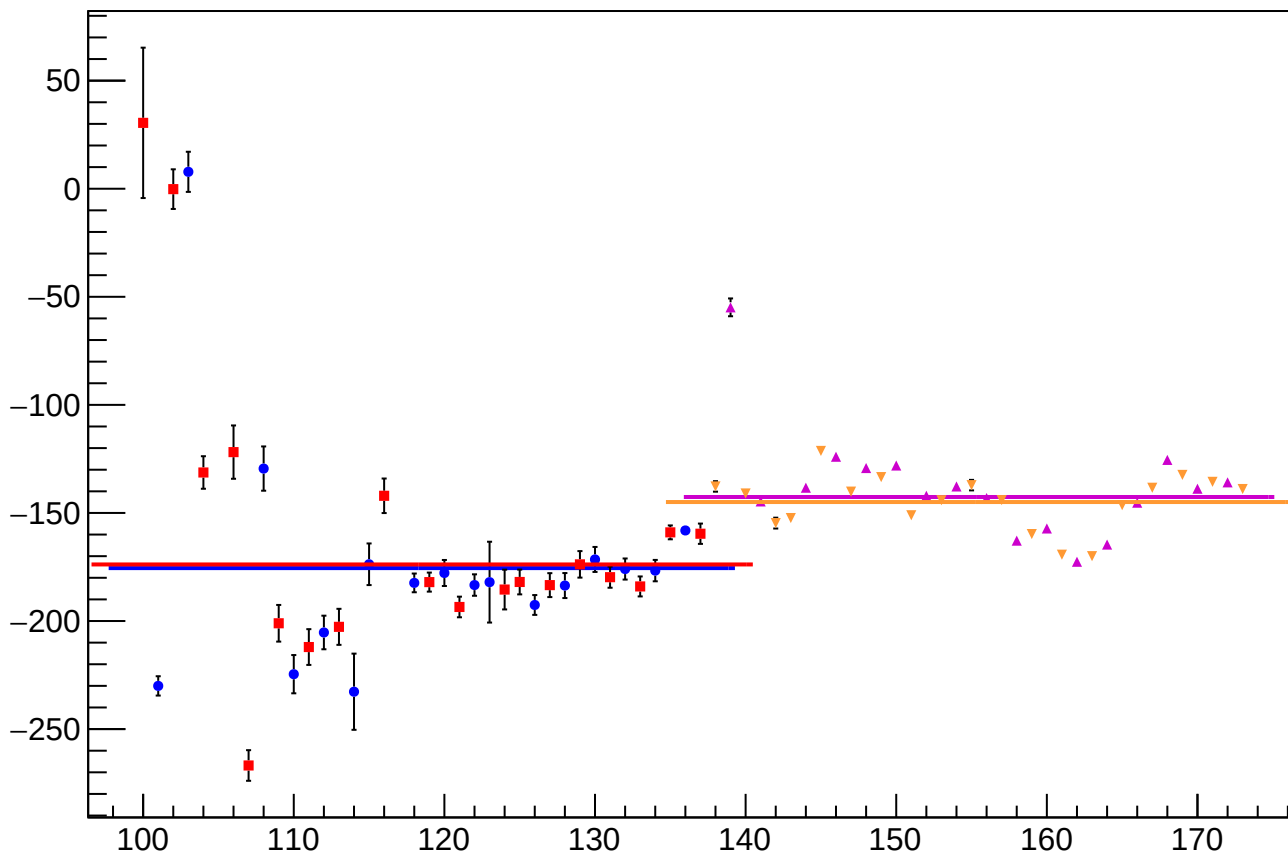
Right: -113.982 ± 1.515 $\chi^2/\text{NDF}: 413.9/35$

In: -143.704 ± 0.516 $\chi^2/\text{NDF}: 1459.2/33$

Out: -142.644 ± 0.503 $\chi^2/\text{NDF}: 1382.8/37$

All: -143.160 ± 0.360 $\chi^2/\text{NDF}: 2844.2/71$

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -144.951 ± 0.433 χ^2/NDF : 901.3/18

Right Out: -173.830 ± 1.357 χ^2/NDF : 737.9/18

Left In: -142.622 ± 0.455 χ^2/NDF : 1452.1/16

Left: -143.843 ± 0.314 χ^2/NDF : 2367.1/35

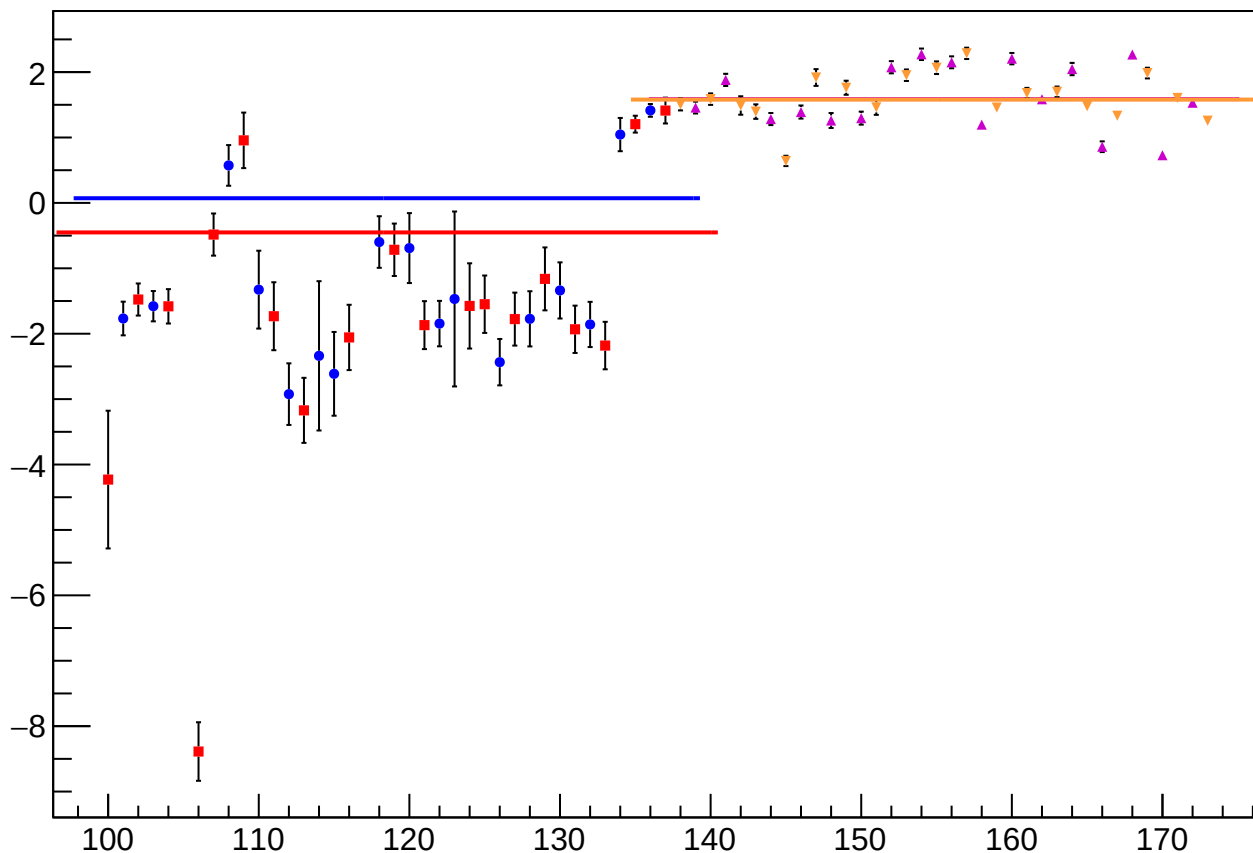
Right: -174.726 ± 0.930 χ^2/NDF : 1431.0/35

In: -146.321 ± 0.428 χ^2/NDF : 2733.4/33

Out: -147.622 ± 0.412 χ^2/NDF : 2050.4/37

All: -146.996 ± 0.297 χ^2/NDF : 4788.6/71

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.580 ± 0.020 χ^2/NDF : 327.9/18

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

Left In: 1.587 ± 0.021 χ^2/NDF : 590.9/16

Left: 1.583 ± 0.014 χ^2/NDF : 918.8/35

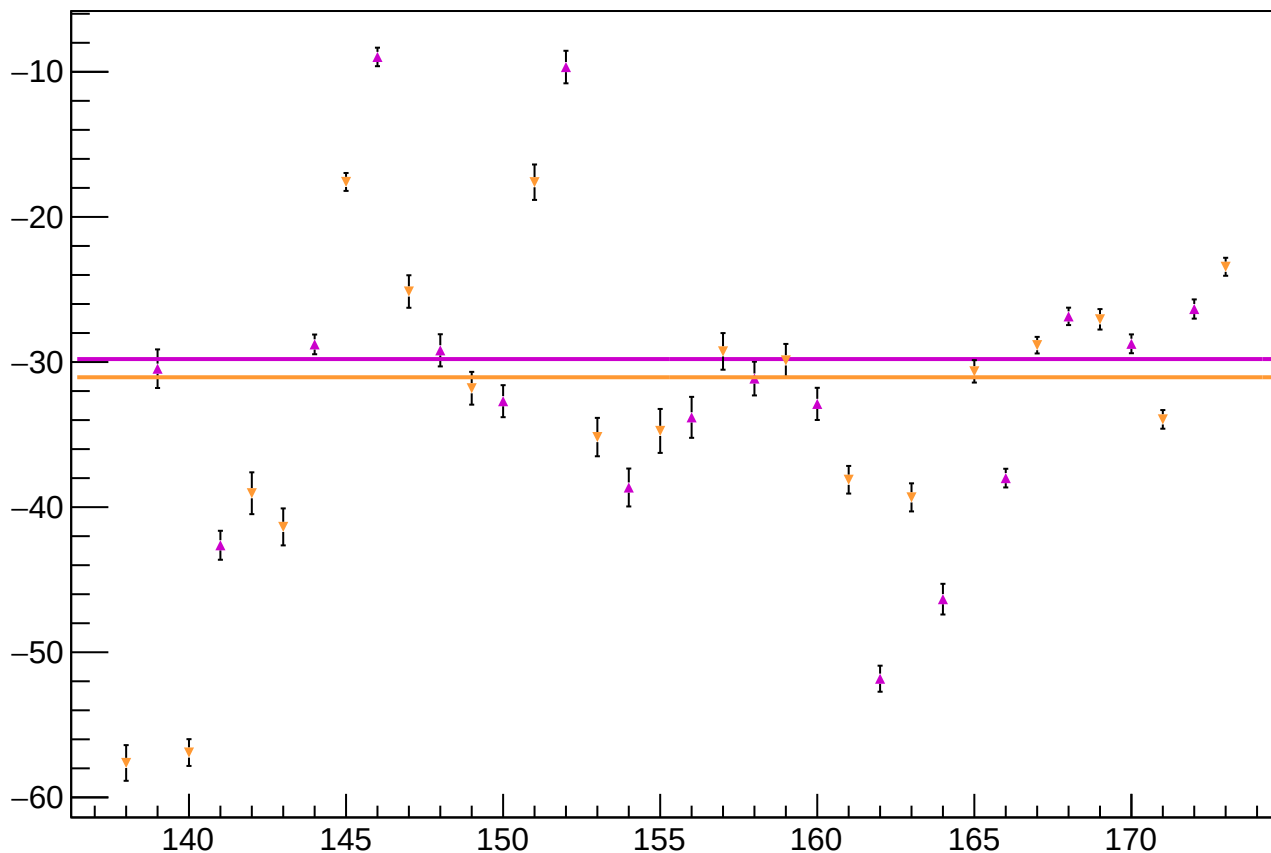
Right: -0.174 ± 0.049 χ^2/NDF : 1305.0/35

In: 1.455 ± 0.020 χ^2/NDF : 1581.1/33

Out: 1.432 ± 0.019 χ^2/NDF : 1831.0/37

All: 1.443 ± 0.014 χ^2/NDF : 3412.7/71

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -31.049 ± 0.203 χ^2/NDF : 2339.8/18

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -29.795 ± 0.207 χ^2/NDF : 2686.7/16

Left: -30.434 ± 0.145 χ^2/NDF : 5045.1/35

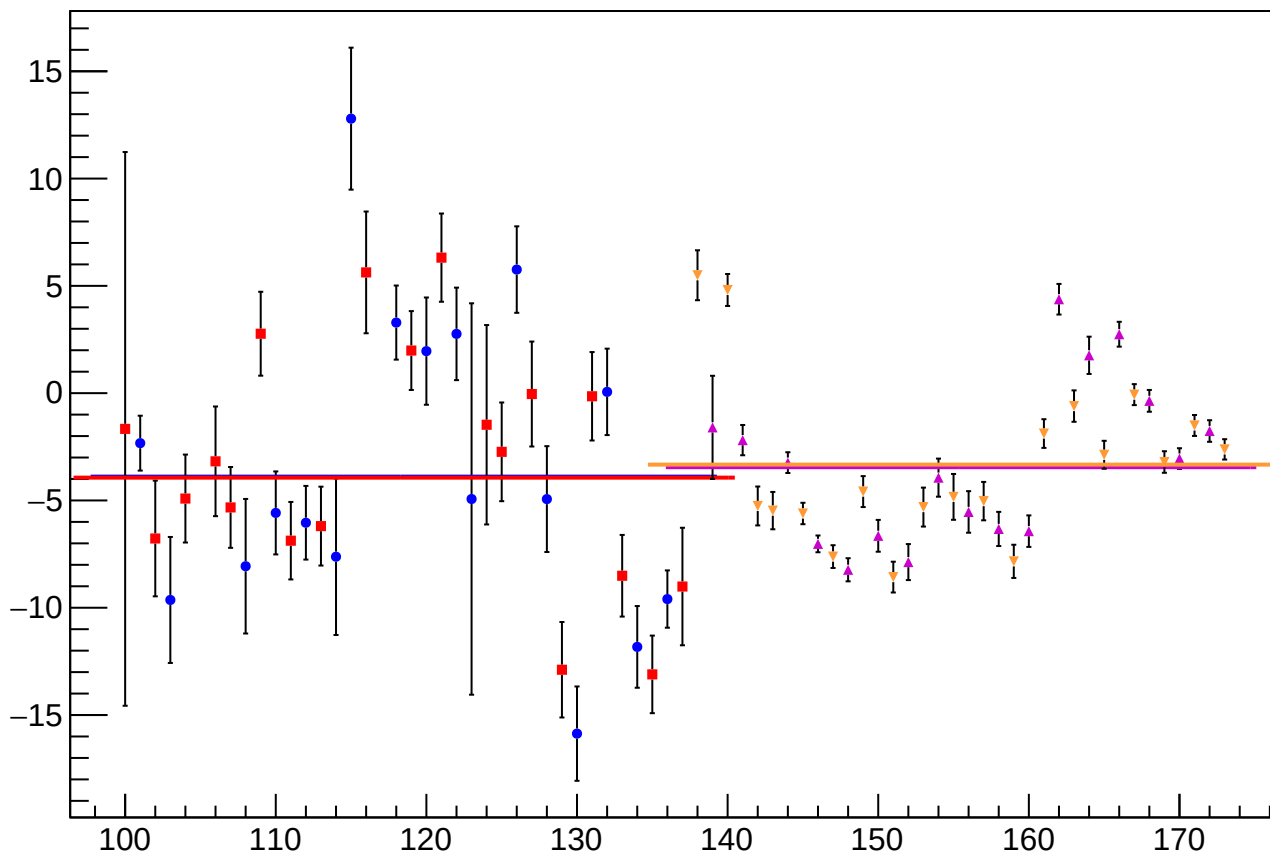
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -29.795 ± 0.207 χ^2/NDF : 2686.7/16

Out: -31.049 ± 0.203 χ^2/NDF : 2339.8/18

All: -30.434 ± 0.145 χ^2/NDF : 5045.1/35

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -3.330 ± 0.149 $\chi^2/\text{NDF}: 453.9/18$

Right Out: -3.937 ± 0.507 $\chi^2/\text{NDF}: 122.2/18$

Left In: -3.450 ± 0.151 $\chi^2/\text{NDF}: 567.1/16$

Left: -3.390 ± 0.106 $\chi^2/\text{NDF}: 1021.4/35$

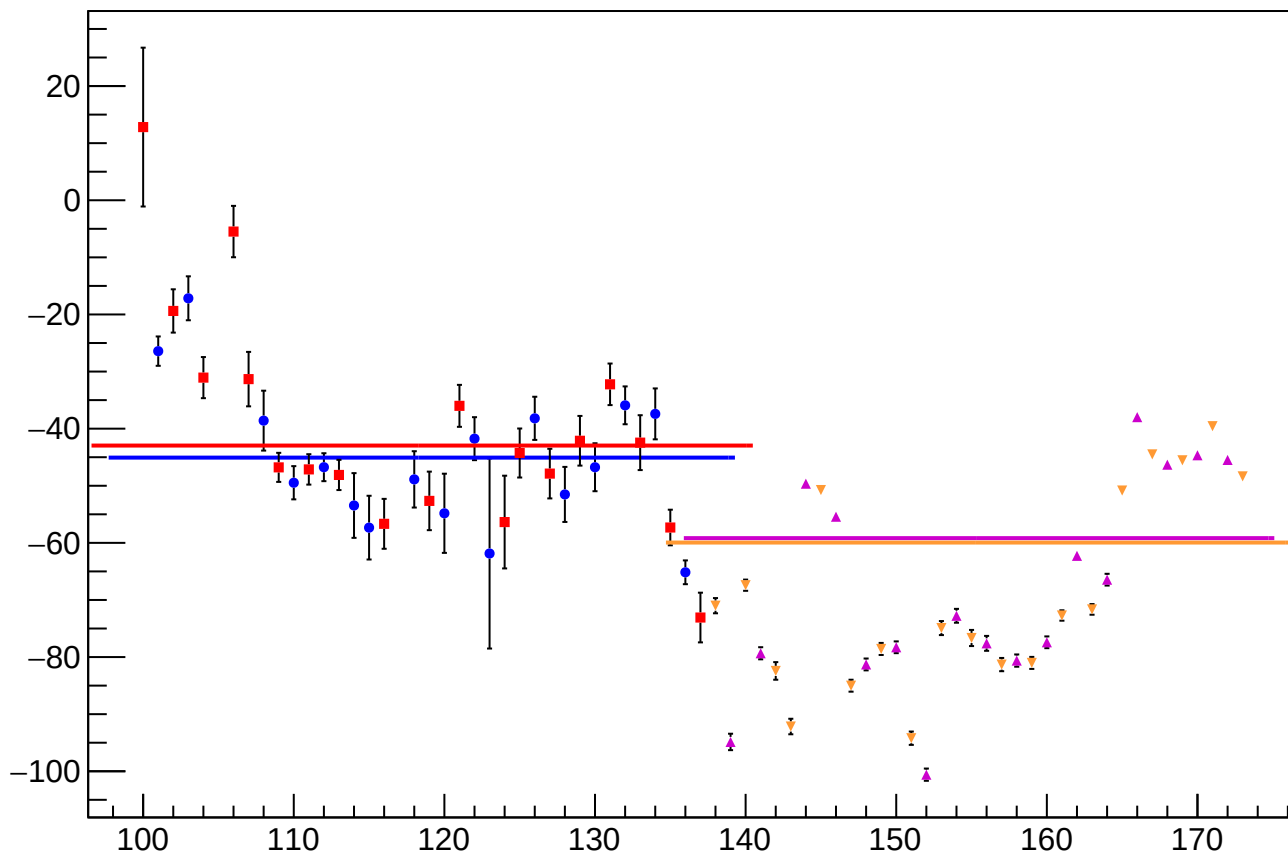
Right: -3.913 ± 0.355 $\chi^2/\text{NDF}: 282.6/35$

In: -3.487 ± 0.144 $\chi^2/\text{NDF}: 728.3/33$

Out: -3.379 ± 0.143 $\chi^2/\text{NDF}: 577.4/37$

All: -3.432 ± 0.102 $\chi^2/\text{NDF}: 1306.0/71$

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 $\pm$ 0.883 χ^2 /NDF: 229.7/16

Left Out: -59.945 $\pm$ 0.204 χ^2 /NDF: 6793.3/18

Right Out: -42.959 $\pm$ 0.878 χ^2 /NDF: 248.3/18

Left In: -59.172 $\pm$ 0.206 χ^2 /NDF: 6973.5/16

Left: -59.562 $\pm$ 0.145 χ^2 /NDF: 13773.9/35

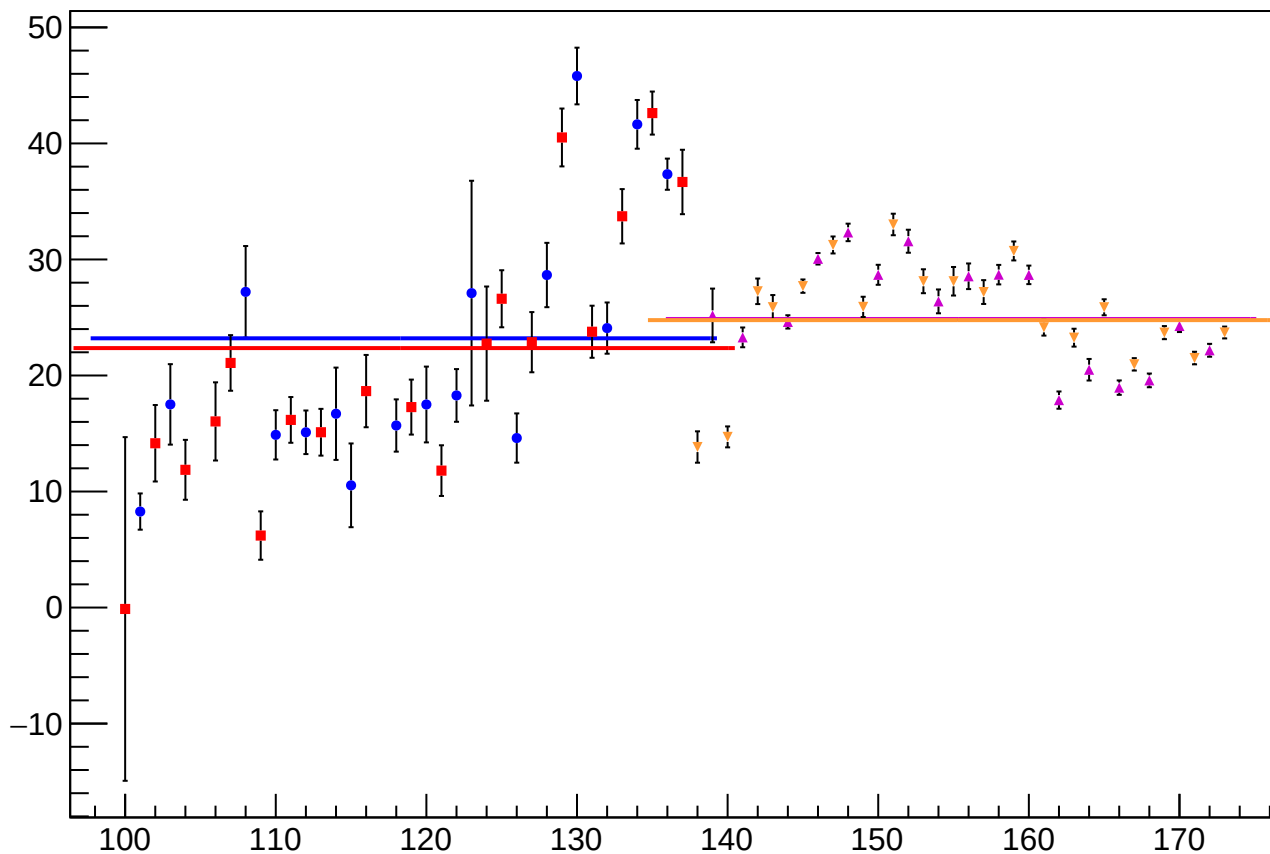
Right: -44.008 $\pm$ 0.623 χ^2 /NDF: 480.9/35

In: -58.445 $\pm$ 0.201 χ^2 /NDF: 7444.9/33

Out: -59.074 $\pm$ 0.199 χ^2 /NDF: 7396.9/37

All: -58.763 $\pm$ 0.141 χ^2 /NDF: 14846.7/71

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 $\pm$ 0.559 χ^2 /NDF: 457.3/16

Left Out: 24.772 $\pm$ 0.170 χ^2 /NDF:559.7/18

Right Out: 22.361 $\pm$ 0.573 χ^2 /NDF: 366.9/18

Left In: 24.870 $\pm$ 0.174 χ^2 /NDF:639.8/16

Left: 24.820 $\pm$ 0.122 χ^2 /NDF: 1199.7/35

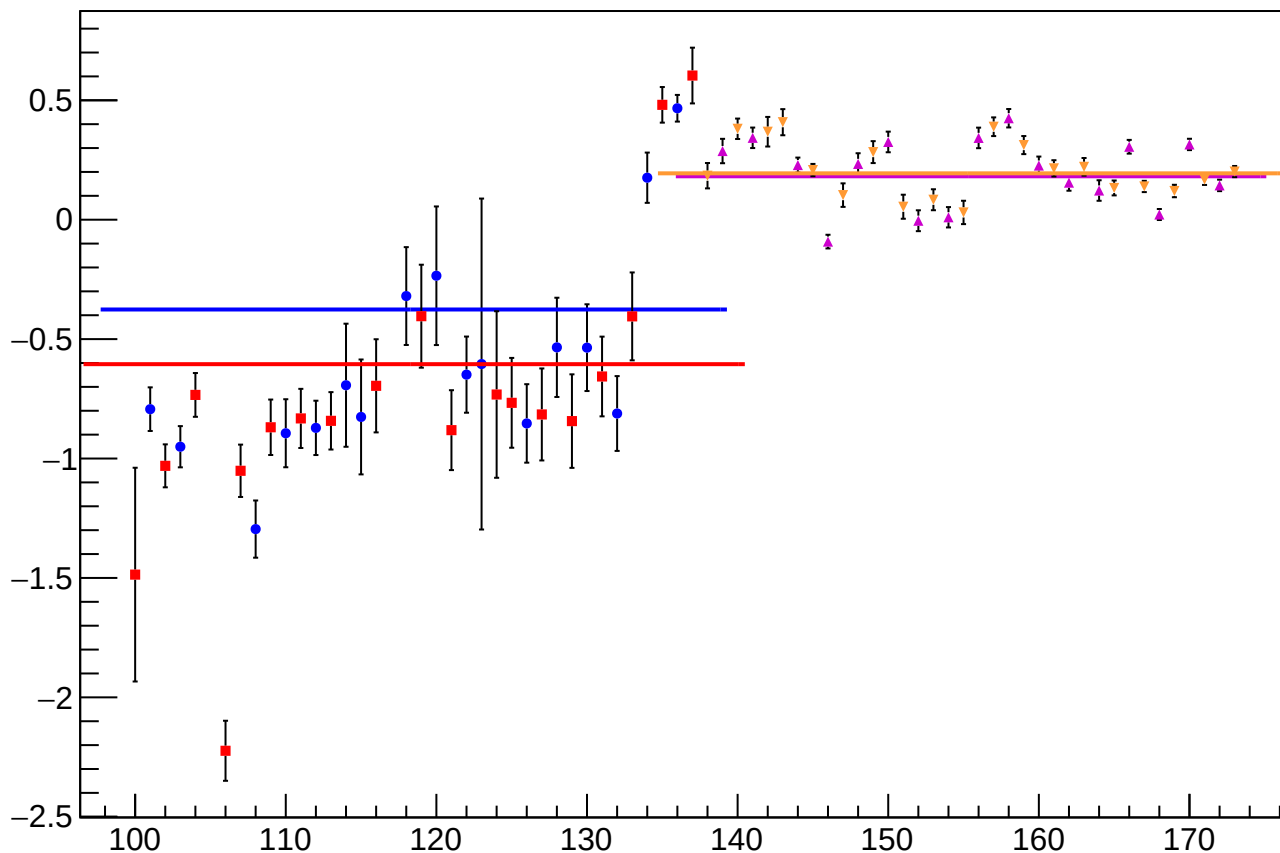
Right: 22.793 $\pm$ 0.400 χ^2 /NDF: 825.2/35

In: 24.722 $\pm$ 0.166 χ^2 /NDF:1105.2/33

Out: 24.576 $\pm$ 0.163 χ^2 /NDF:942.8/37

All: 24.647 $\pm$ 0.117 χ^2 /NDF: 2048.4/71

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 χ^2/NDF : 437.3/16

Left Out: 0.194 ± 0.008 χ^2/NDF : 129.3/18

Right Out: -0.605 ± 0.030 χ^2/NDF : 551.1/18

Left In: 0.182 ± 0.008 χ^2/NDF : 316.8/16

Left: 0.188 ± 0.006 χ^2/NDF : 447.3/35

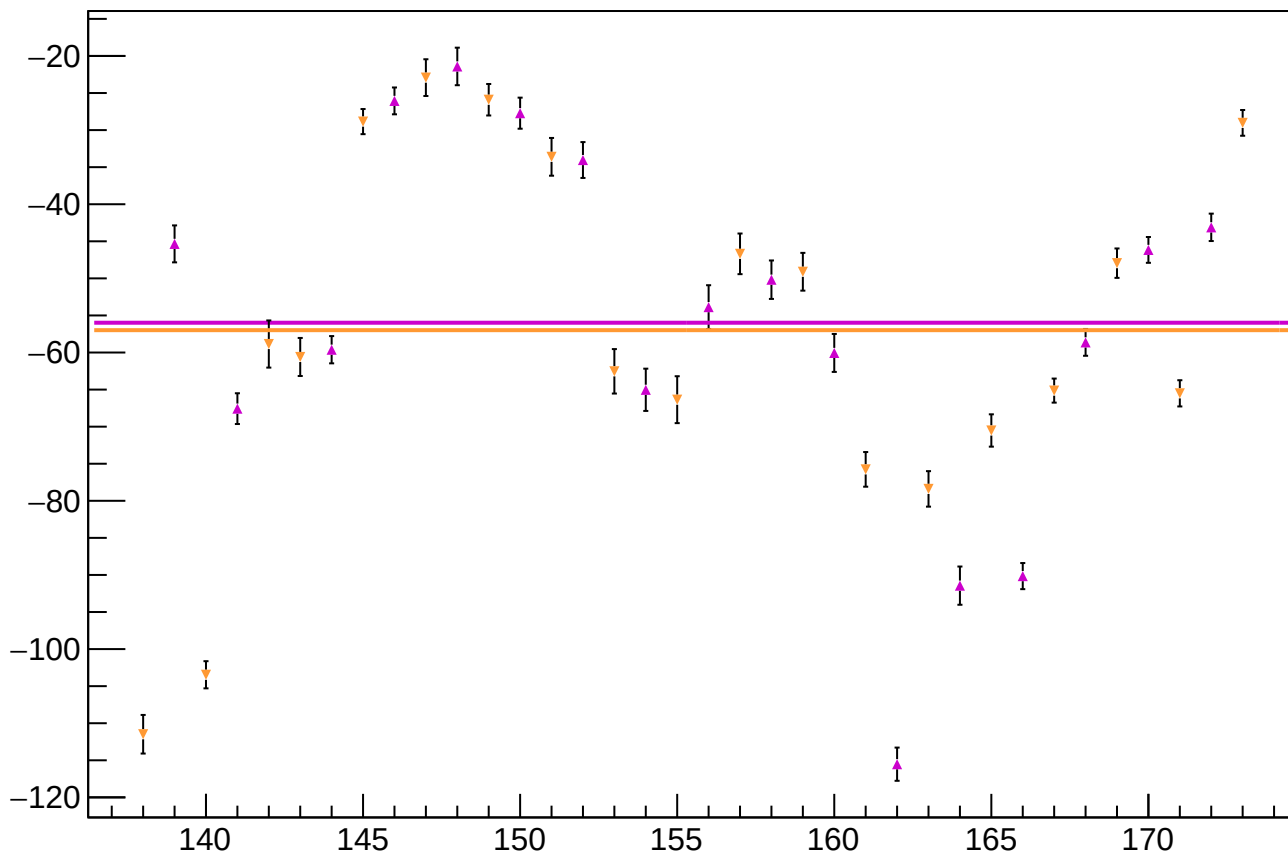
Right: -0.490 ± 0.021 χ^2/NDF : 1017.2/35

In: 0.144 ± 0.008 χ^2/NDF : 1073.7/33

Out: 0.144 ± 0.008 χ^2/NDF : 1335.2/37

All: 0.144 ± 0.005 χ^2/NDF : 2408.9/71

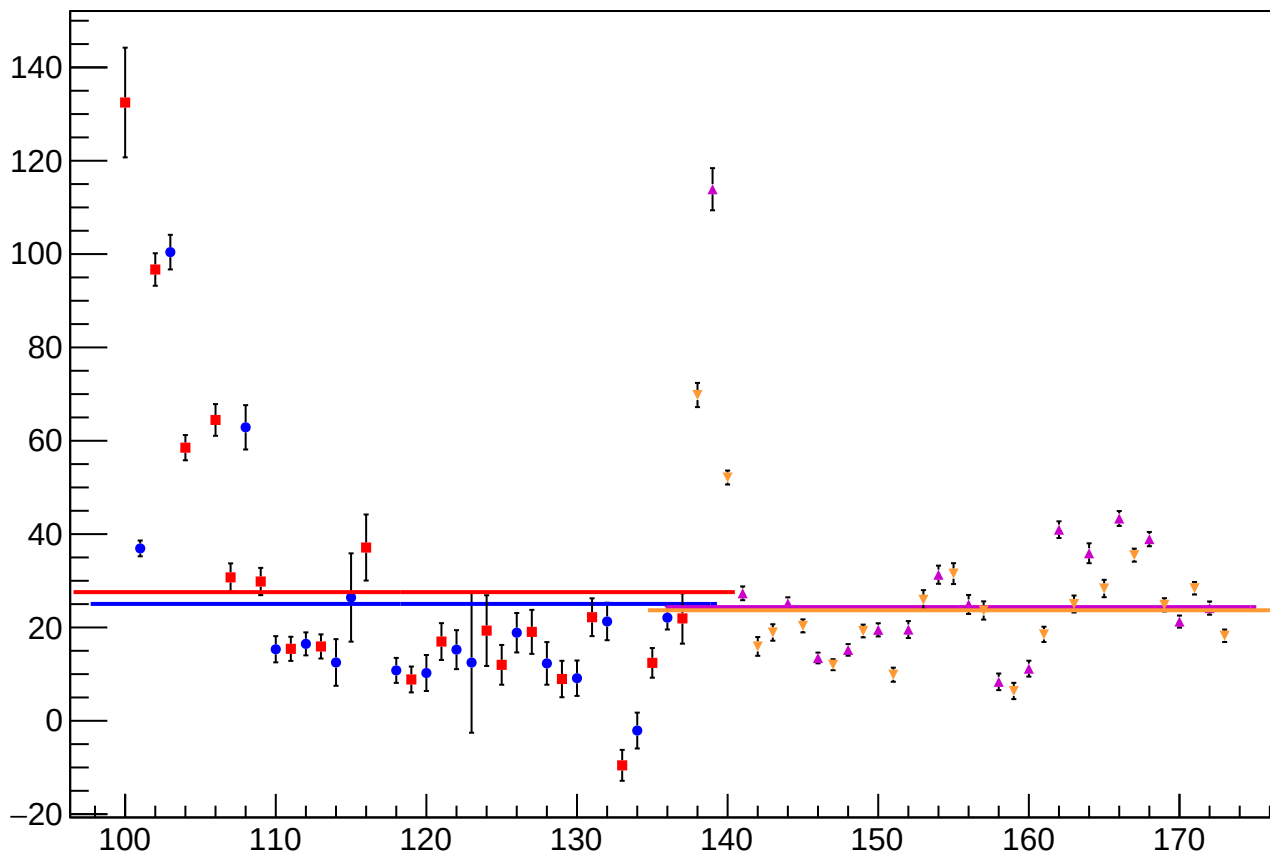
reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -56.986 $\pm$ 0.504 χ^2 /NDF:2393.8/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -55.982 $\pm$ 0.521 χ^2 /NDF:2150.3/16

Left: -56.500 $\pm$ 0.362 χ^2 /NDF: 4546.0/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -55.982 $\pm$ 0.521 χ^2 /NDF:2150.3/16
 Out: -56.986 $\pm$ 0.504 χ^2 /NDF:2393.8/18
 All: -56.500 $\pm$ 0.362 χ^2 /NDF: 4546.0/35

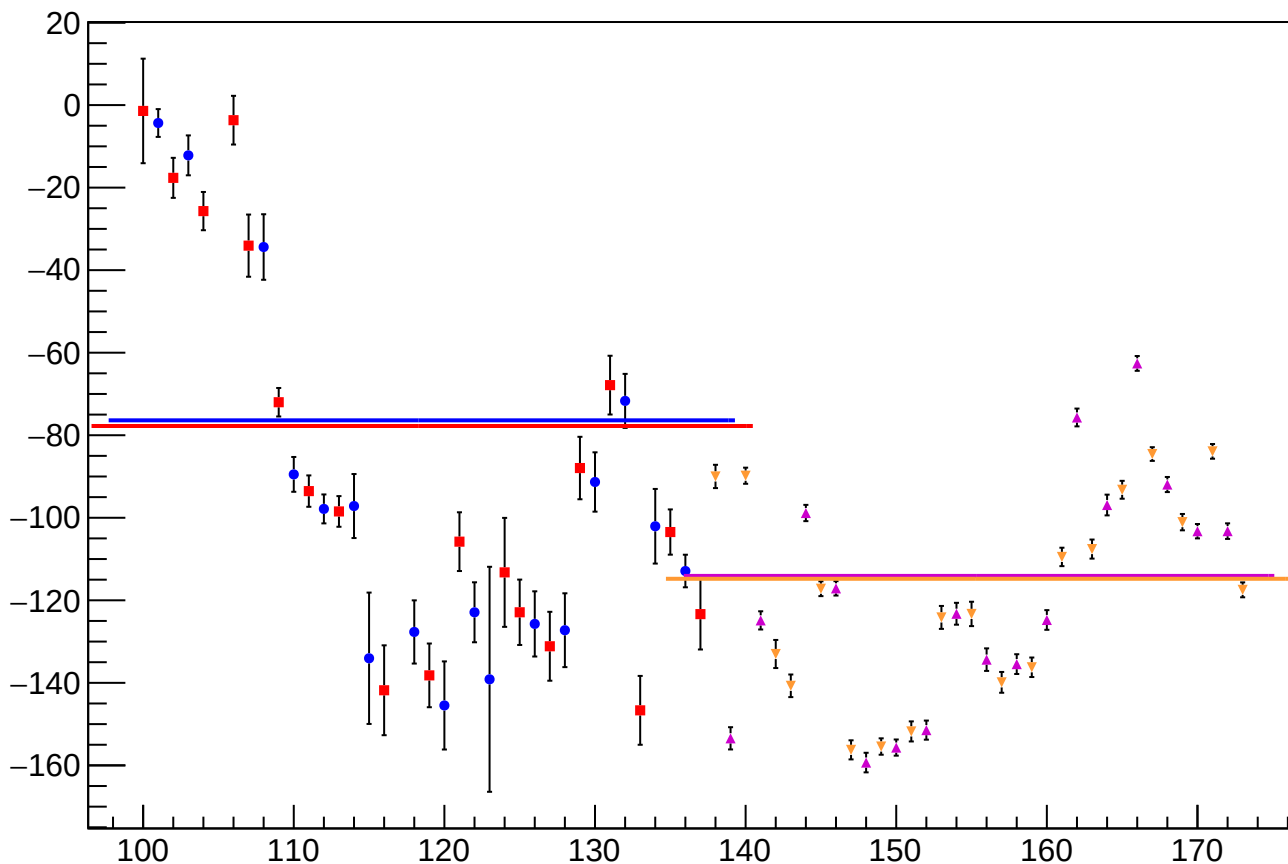
reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 ± 0.806 χ^2/NDF : 686.4/16
 Left Out: 23.684 ± 0.366 χ^2/NDF : 1124.8/18
 Right Out: 27.573 ± 0.810 χ^2/NDF : 1012.8/18
 Left In: 24.360 ± 0.381 χ^2/NDF : 1067.6/16

Left: 24.009 ± 0.264 χ^2/NDF : 2194.1/35
 Right: 26.303 ± 0.571 χ^2/NDF : 1704.1/35
 In: 24.485 ± 0.344 χ^2/NDF : 1754.7/33
 Out: 24.343 ± 0.333 χ^2/NDF : 2156.8/37
 All: 24.412 ± 0.239 χ^2/NDF : 3911.5/71

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -114.786 ± 0.503 $\chi^2/\text{NDF}: 2329.6/18$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

Left In: -114.088 ± 0.515 $\chi^2/\text{NDF}: 2946.3/16$

Left: -114.445 ± 0.360 $\chi^2/\text{NDF}: 5276.9/35$

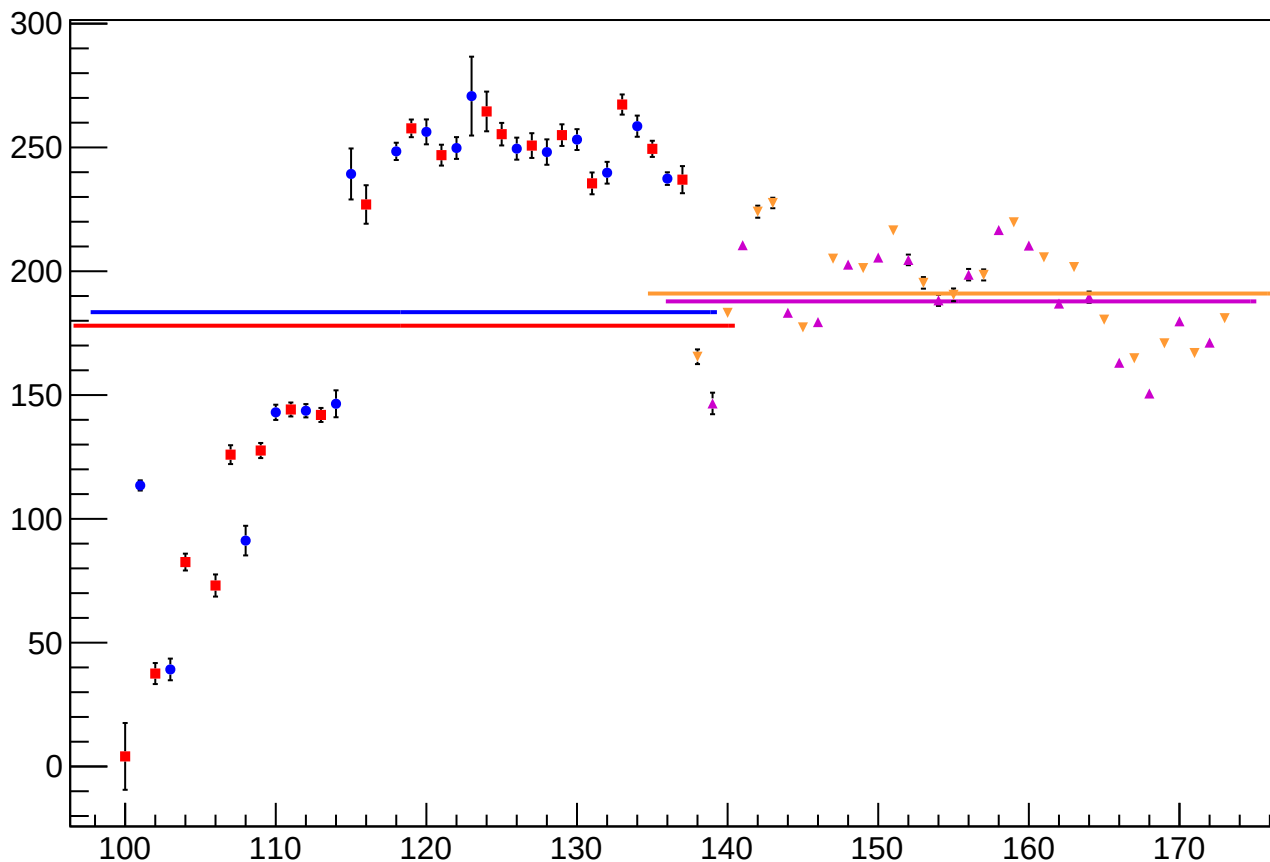
Right: -77.108 ± 0.978 $\chi^2/\text{NDF}: 1905.1/35$

In: -109.689 ± 0.484 $\chi^2/\text{NDF}: 4604.1/33$

Out: -110.284 ± 0.472 $\chi^2/\text{NDF}: 3860.2/37$

All: -109.994 ± 0.338 $\chi^2/\text{NDF}: 8465.1/71$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 $\pm$ 0.919 χ^2 /NDF: 5331.4/16

Left Out: 191.002 $\pm$ 0.420 χ^2 /NDF: 2082.7/18

Right Out: 178.011 $\pm$ 0.924 χ^2 /NDF: 6345.7/18

Left In: 187.827 $\pm$ 0.438 χ^2 /NDF: 1748.3/16

Left: 189.480 $\pm$ 0.303 χ^2 /NDF: 3858.4/35

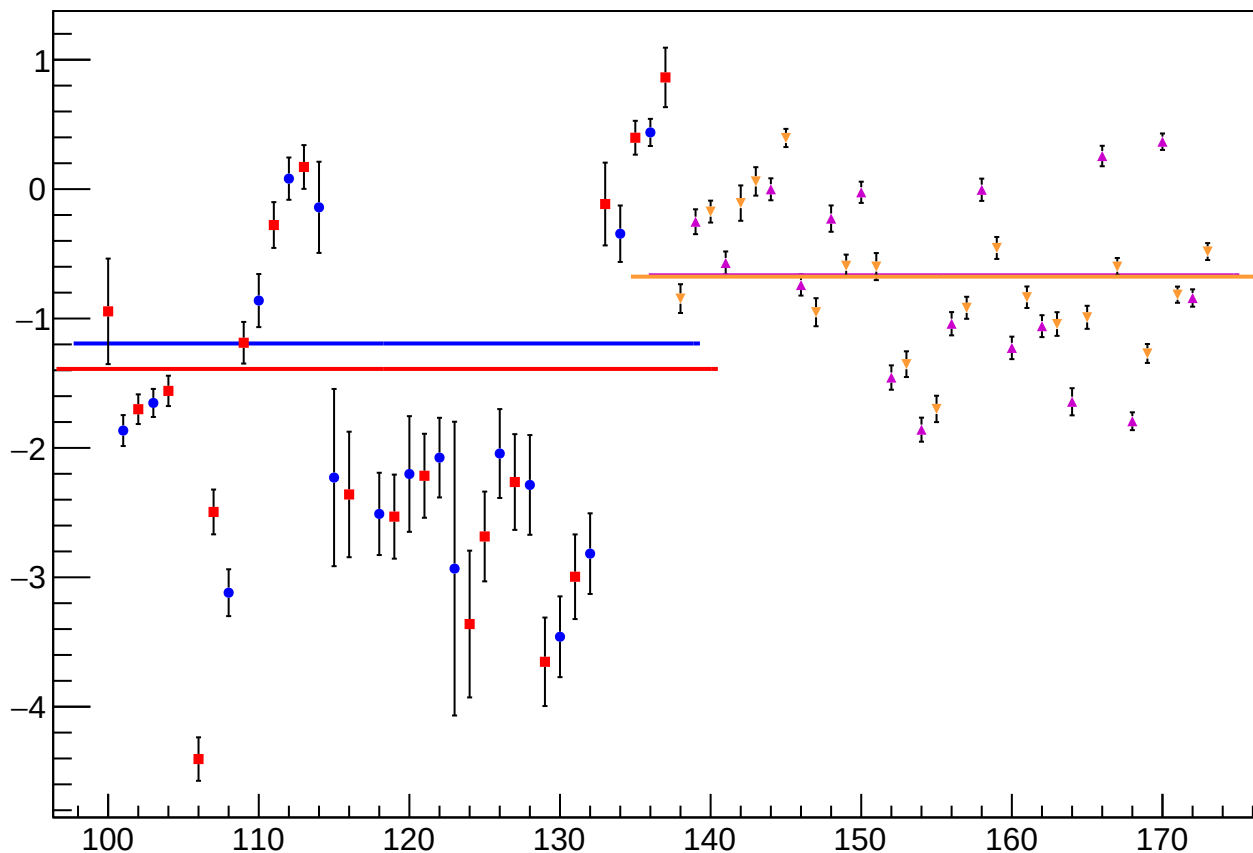
Right: 180.761 $\pm$ 0.651 χ^2 /NDF: 11694.8/35

In: 187.021 $\pm$ 0.395 χ^2 /NDF: 7098.0/33

Out: 188.773 $\pm$ 0.383 χ^2 /NDF: 8592.2/37

All: 187.926 $\pm$ 0.275 χ^2 /NDF: 15700.3/71

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.676 ± 0.019 χ^2/NDF : 614.6/18

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

Left In: -0.666 ± 0.020 χ^2/NDF : 1298.0/16

Left: -0.671 ± 0.014 χ^2/NDF : 1912.7/35

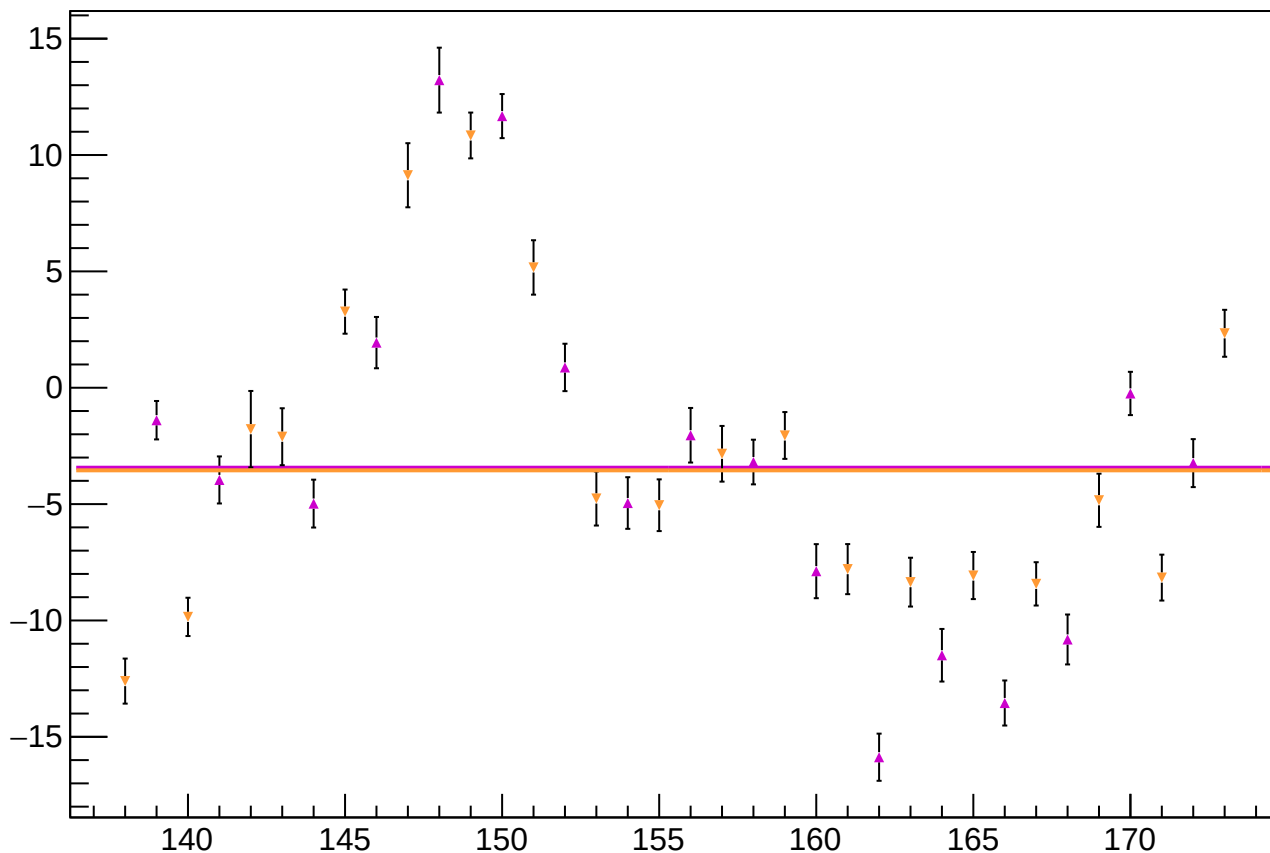
Right: -1.296 ± 0.033 χ^2/NDF : 1551.0/35

In: -0.745 ± 0.019 χ^2/NDF : 2021.5/33

Out: -0.786 ± 0.018 χ^2/NDF : 1740.2/37

All: -0.766 ± 0.013 χ^2/NDF : 3764.2/71

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -3.549 $\pm$ 0.243 χ^2 /NDF: 701.1/18

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

Left In: -3.437 $\pm$ 0.250 χ^2 /NDF: 835.1/16

Left: -3.494 $\pm$ 0.174 χ^2 /NDF: 1536.3/35

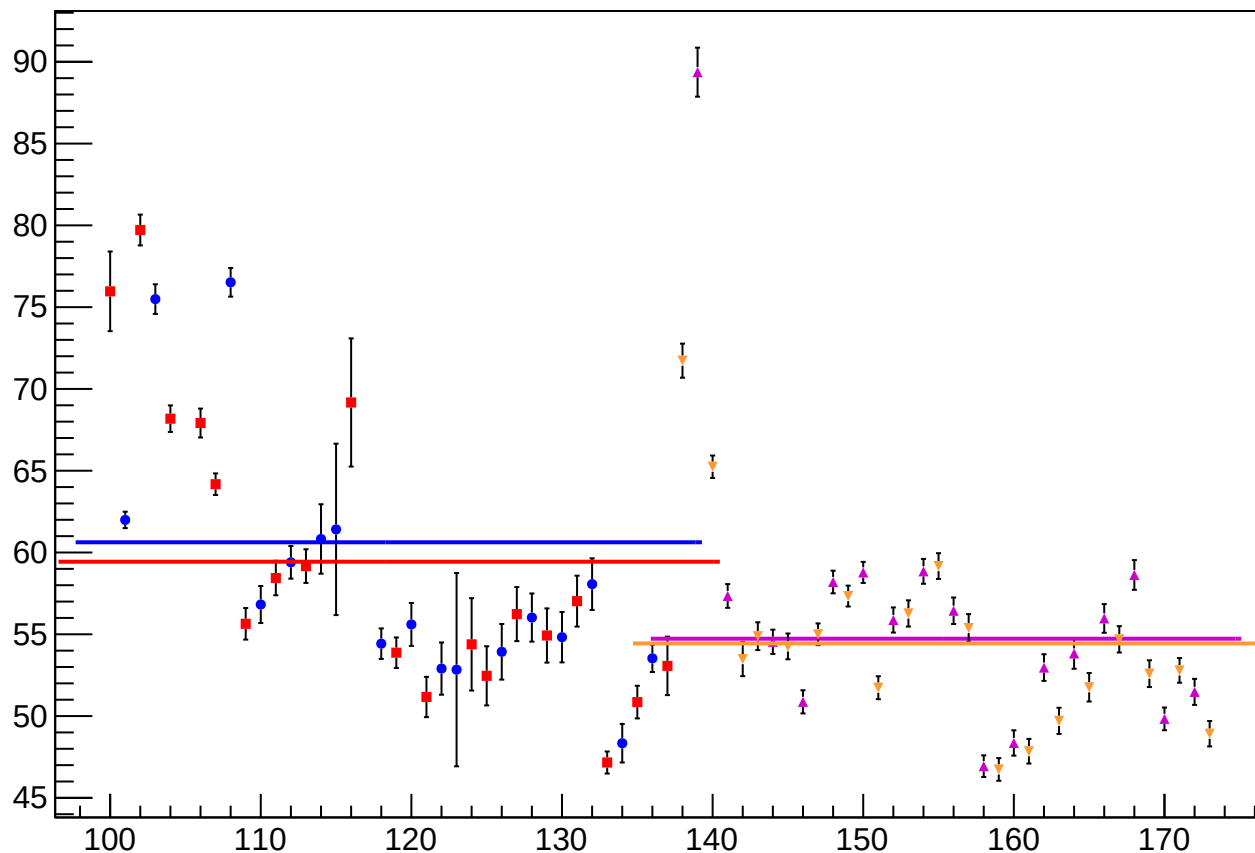
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -3.437 $\pm$ 0.250 χ^2 /NDF: 835.1/16

Out: -3.549 $\pm$ 0.243 χ^2 /NDF: 701.1/18

All: -3.494 $\pm$ 0.174 χ^2 /NDF: 1536.3/35

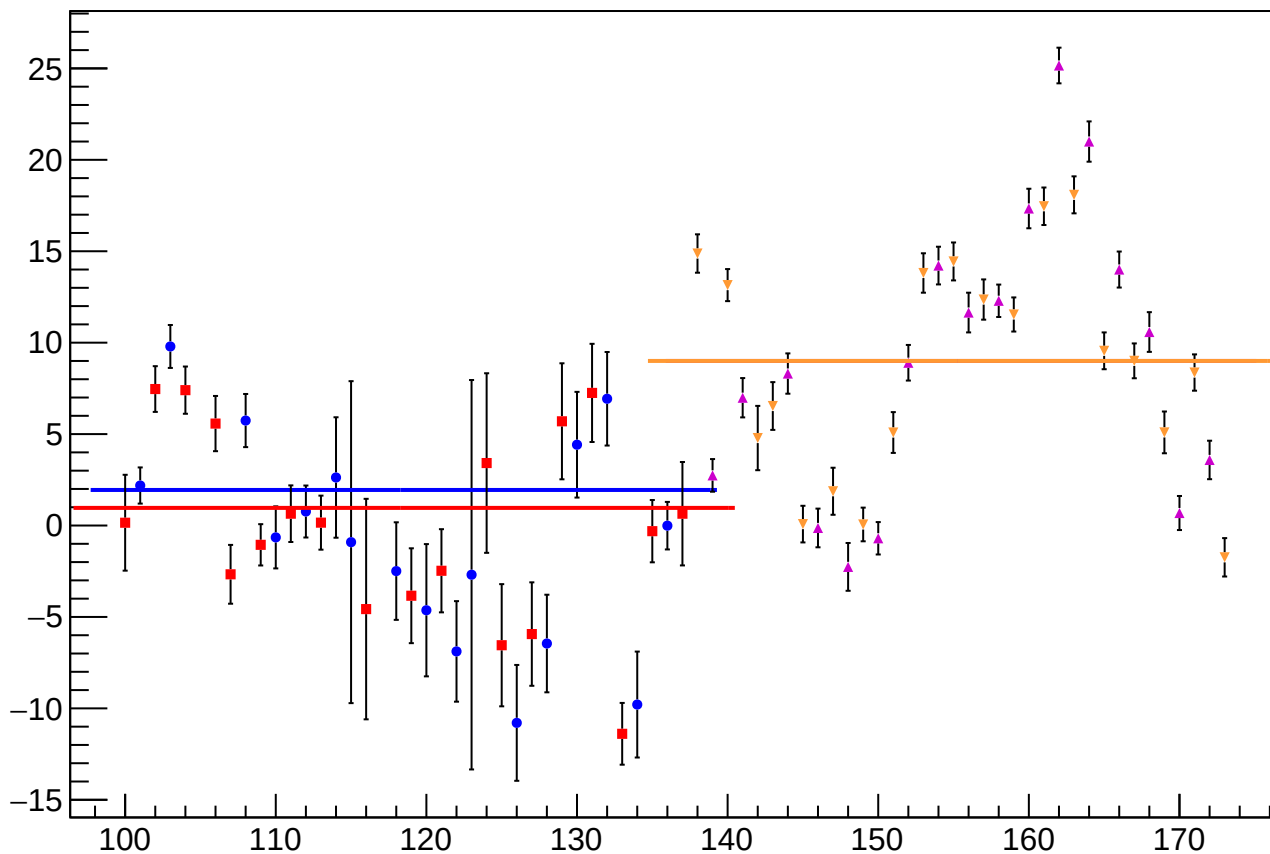
reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 ± 0.263 $\chi^2/\text{NDF}: 924.6/16$
 Left Out: 54.441 ± 0.178 $\chi^2/\text{NDF}: 908.0/18$
 Right Out: 59.438 ± 0.248 $\chi^2/\text{NDF}: 1323.4/18$
 Left In: 54.730 ± 0.188 $\chi^2/\text{NDF}: 976.1/16$

Left: 54.578 ± 0.129 $\chi^2/\text{NDF}: 1885.4/35$
 Right: 59.996 ± 0.180 $\chi^2/\text{NDF}: 2258.7/35$
 In: 56.720 ± 0.153 $\chi^2/\text{NDF}: 2233.4/33$
 Out: 56.146 ± 0.145 $\chi^2/\text{NDF}: 2499.3/37$
 All: 56.417 ± 0.105 $\chi^2/\text{NDF}: 4740.1/71$

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 $\pm$ 0.459 χ^2 /NDF: 120.6/16

Left Out: 9.001 $\pm$ 0.241 χ^2 /NDF: 609.5/18

Right Out: 0.964 $\pm$ 0.424 χ^2 /NDF: 149.5/18

Left In: 9.000 $\pm$ 0.246 χ^2 /NDF: 953.5/16

Left: 9.000 $\pm$ 0.172 χ^2 /NDF: 1563.1/35

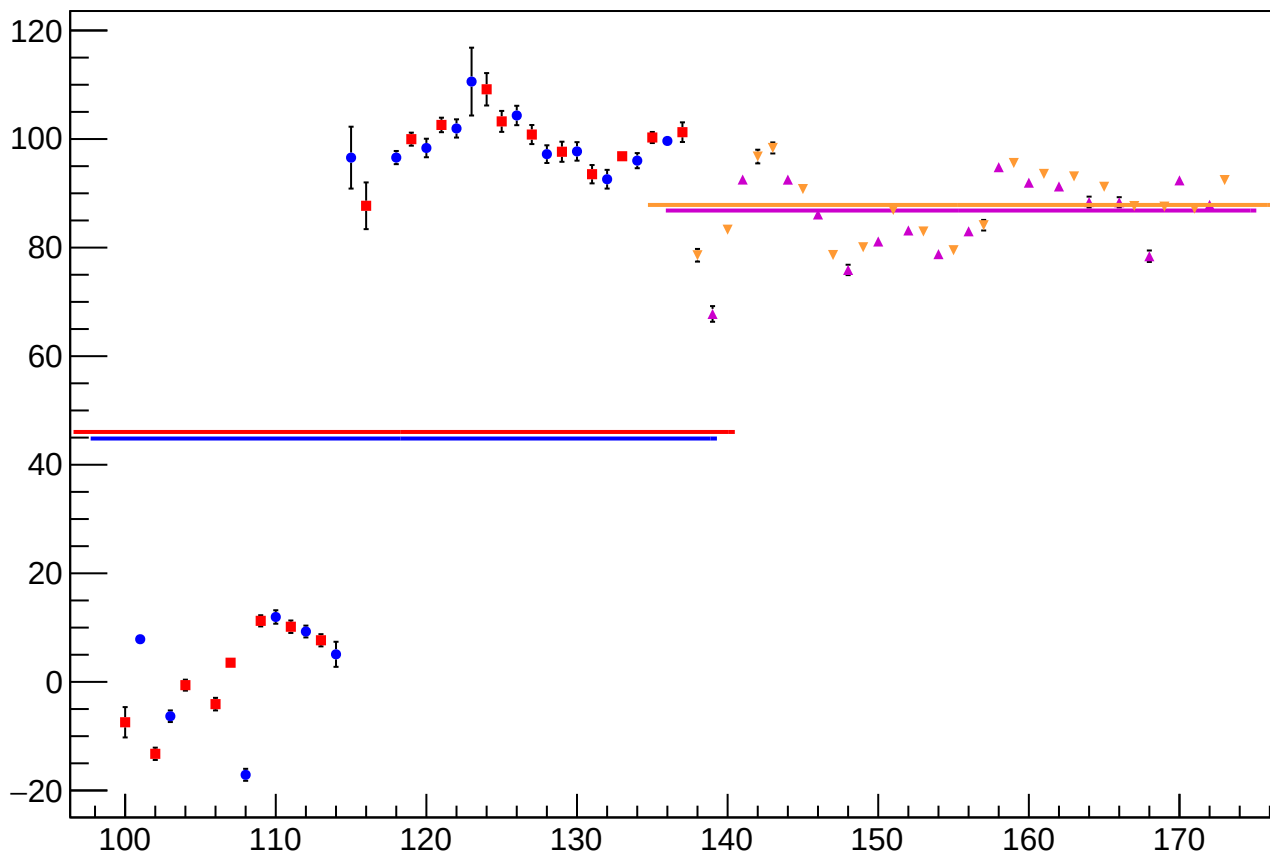
Right: 1.416 $\pm$ 0.312 χ^2 /NDF: 272.6/35

In: 7.421 $\pm$ 0.217 χ^2 /NDF: 1257.6/33

Out: 7.037 $\pm$ 0.210 χ^2 /NDF: 1030.1/37

All: 7.222 $\pm$ 0.151 χ^2 /NDF: 2289.3/71

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829 $\pm$ 0.305 χ^2 /NDF: 24763.1/16

Left Out: 87.860 $\pm$ 0.204 χ^2 /NDF:843.5/18

Right Out: 46.040 $\pm$ 0.289 χ^2 /NDF: 28263.4/18

Left In: 86.828 $\pm$ 0.213 χ^2 /NDF:887.4/16

Left: 87.367 $\pm$ 0.147 χ^2 /NDF: 1743.1/35

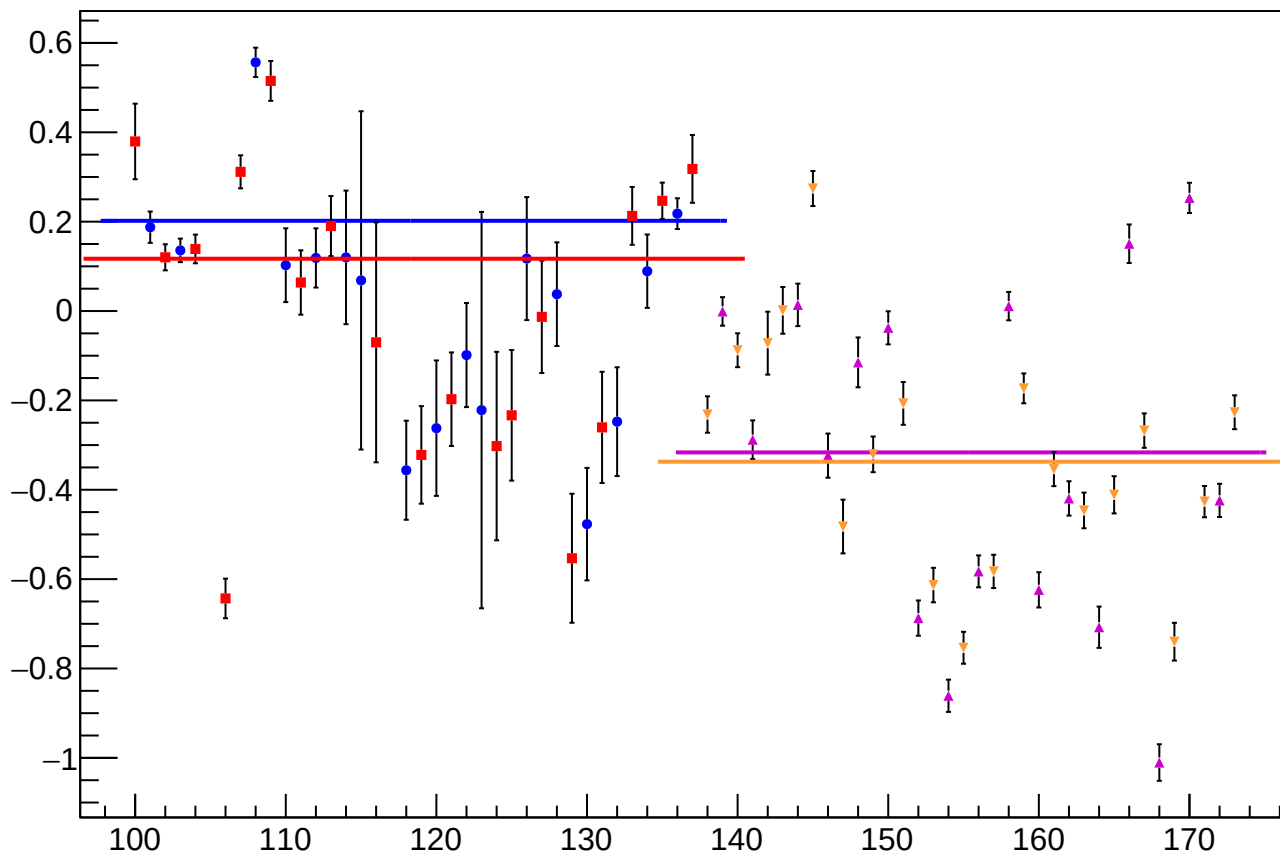
Right: 45.465 $\pm$ 0.210 χ^2 /NDF: 53034.8/35

In: 73.012 $\pm$ 0.175 χ^2 /NDF:38403.5/33

Out: 73.997 $\pm$ 0.167 χ^2 /NDF:43059.8/37

All: 73.528 $\pm$ 0.121 χ^2 /NDF: 81480.0/71

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.337 ± 0.009 χ^2/NDF : 737.3/18

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

Left In: -0.316 ± 0.009 χ^2/NDF : 1529.8/16

Left: -0.327 ± 0.007 χ^2/NDF : 2269.5/35

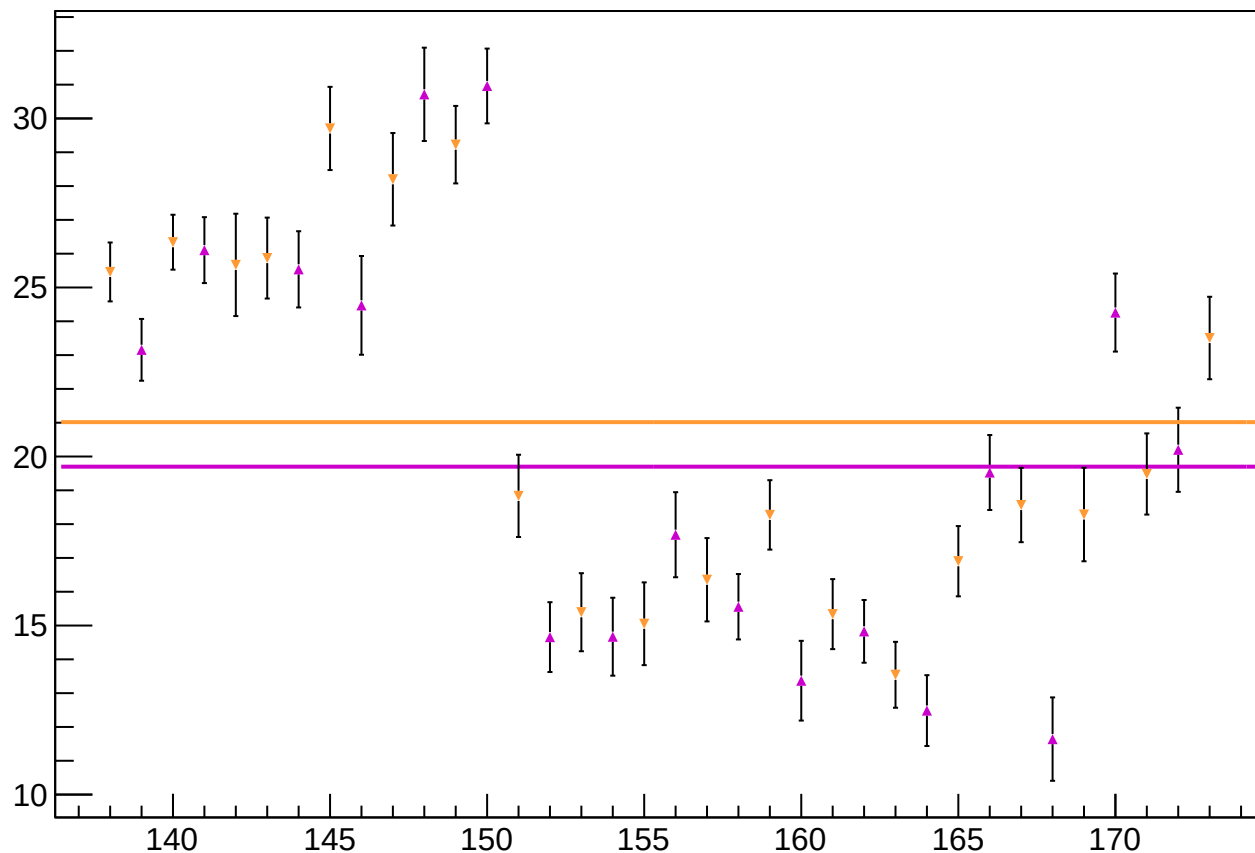
Right: 0.156 ± 0.010 χ^2/NDF : 735.2/35

In: -0.154 ± 0.008 χ^2/NDF : 2680.6/33

Out: -0.184 ± 0.008 χ^2/NDF : 2042.4/37

All: -0.170 ± 0.005 χ^2/NDF : 4730.6/71

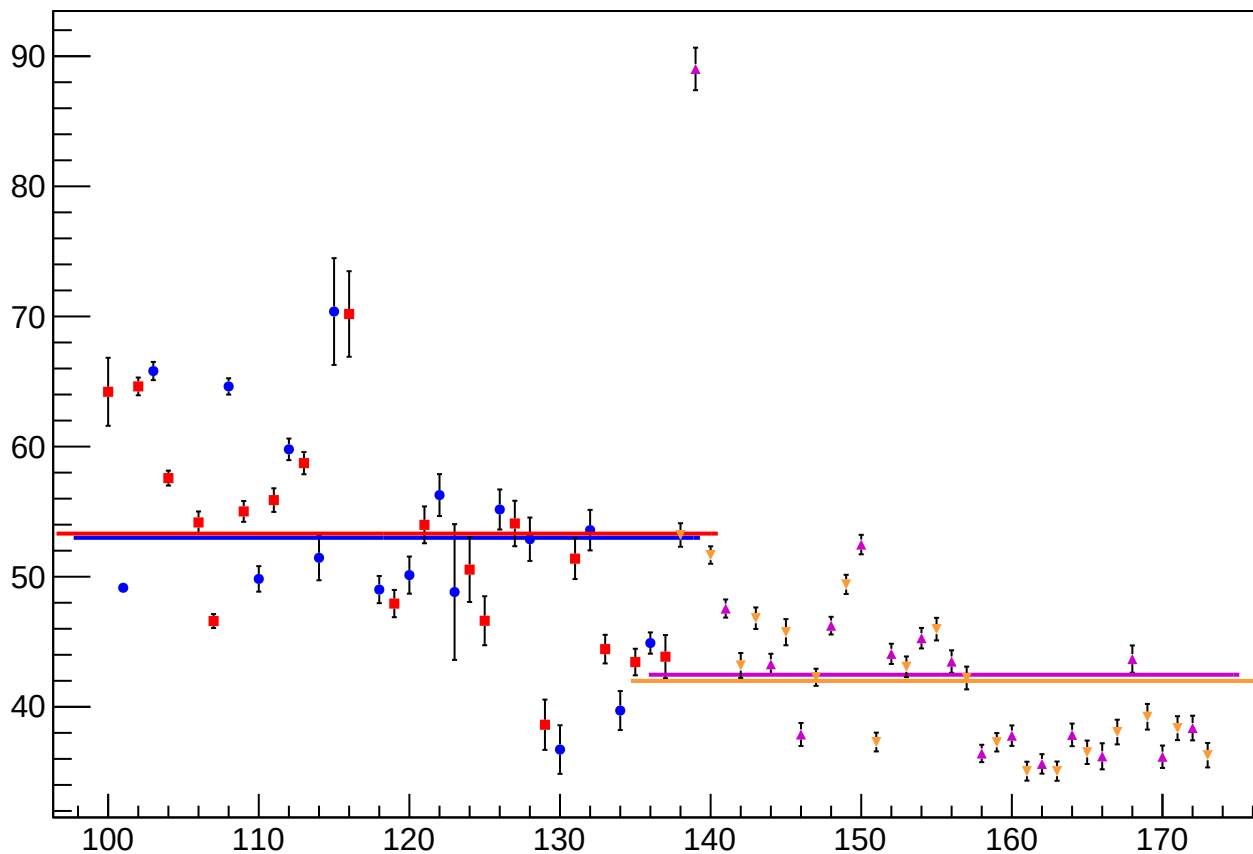
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 21.017 $\pm$ 0.256 χ^2 /NDF:414.8/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 19.699 $\pm$ 0.268 χ^2 /NDF:488.4/16

Left: 20.389 $\pm$ 0.185 χ^2 /NDF: 915.8/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 19.699 $\pm$ 0.268 χ^2 /NDF:488.4/16
 Out: 21.017 $\pm$ 0.256 χ^2 /NDF:414.8/18
 All: 20.389 $\pm$ 0.185 χ^2 /NDF: 915.8/35

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 41.991 $\pm$ 0.187 χ^2 /NDF: 916.1/18

Right Out: 53.315 $\pm$ 0.227 χ^2 /NDF: 875.6/18

Left In: 42.468 $\pm$ 0.199 χ^2 /NDF: 1463.1/16

Left: 42.214 $\pm$ 0.136 χ^2 /NDF: 2382.2/35

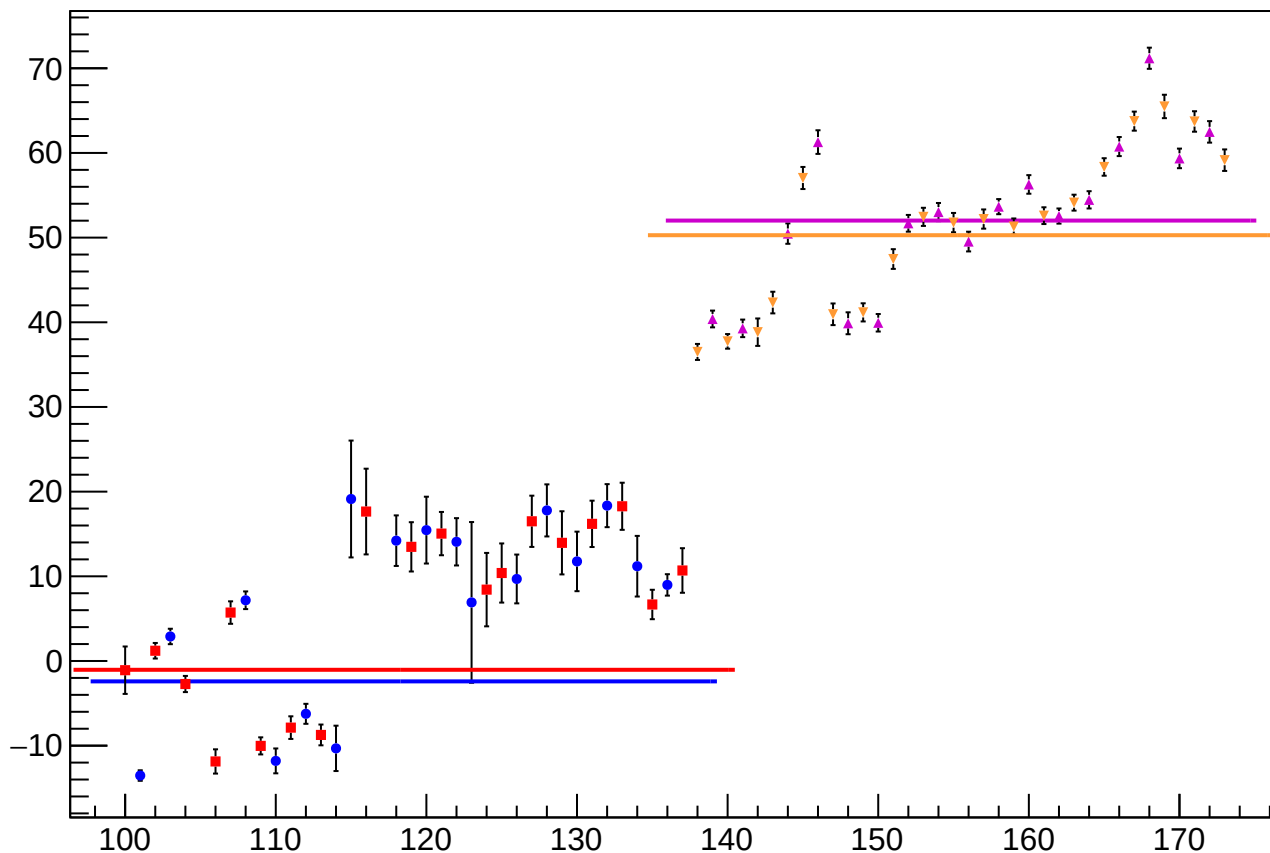
Right: 53.140 $\pm$ 0.154 χ^2 /NDF: 2074.7/35

In: 47.433 $\pm$ 0.145 χ^2 /NDF: 3975.5/33

Out: 46.565 $\pm$ 0.144 χ^2 /NDF: 3278.5/37

All: 46.997 $\pm$ 0.102 χ^2 /NDF: 7272.0/71

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 $\chi^2/\text{NDF}: 834.6/16$

Left Out: 50.284 ± 0.254 $\chi^2/\text{NDF}: 1199.3/18$

Right Out: -1.040 ± 0.377 $\chi^2/\text{NDF}: 507.5/18$

Left In: 52.013 ± 0.263 $\chi^2/\text{NDF}: 992.4/16$

Left: 51.118 ± 0.183 $\chi^2/\text{NDF}: 2214.0/35$

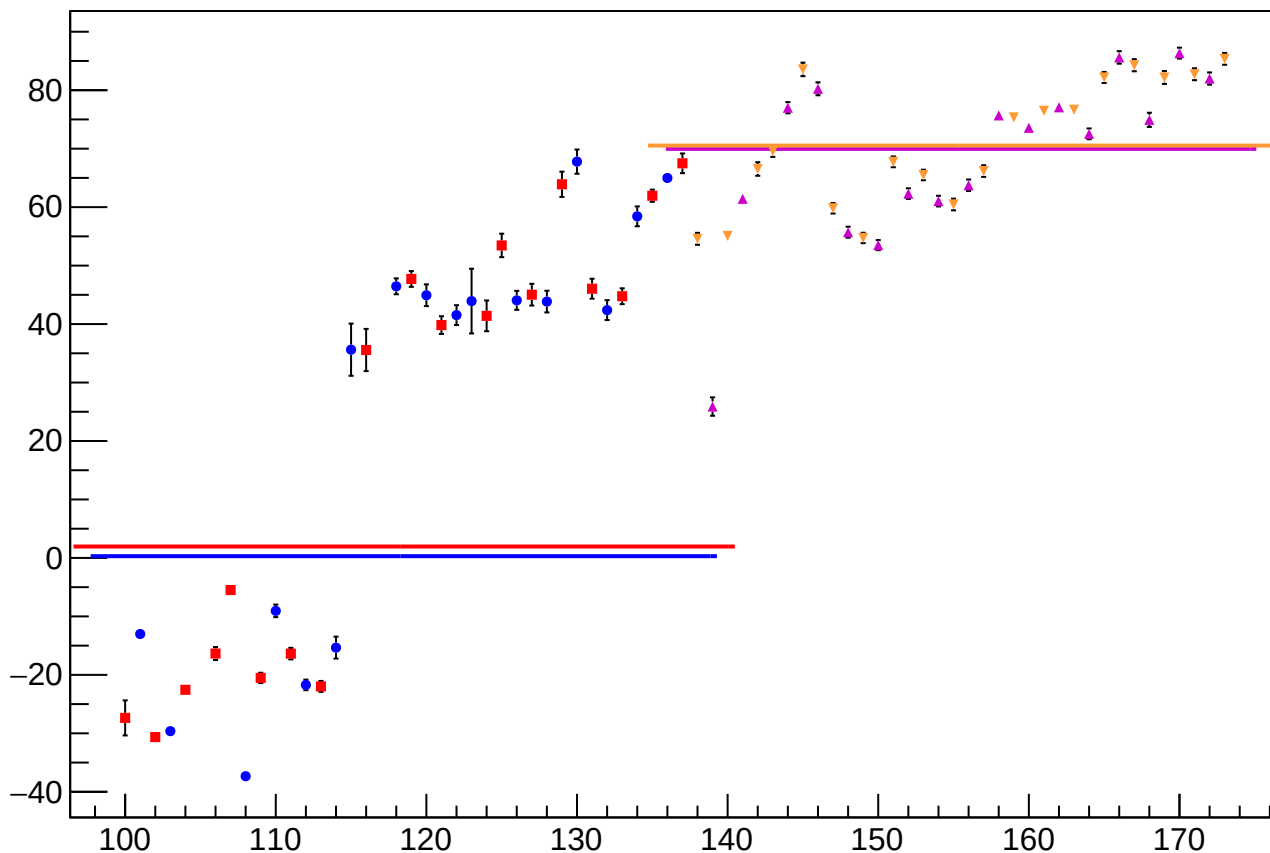
Right: -1.748 ± 0.262 $\chi^2/\text{NDF}: 1349.0/35$

In: 33.326 ± 0.213 $\chi^2/\text{NDF}: 16479.4/33$

Out: 34.251 ± 0.211 $\chi^2/\text{NDF}: 14446.7/37$

All: 33.795 ± 0.150 $\chi^2/\text{NDF}: 30935.6/71$

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300 ± 0.247 χ^2/NDF : 18259.2/16

Left Out: 70.532 ± 0.214 χ^2/NDF : 2325.9/18

Right Out: 1.952 ± 0.267 χ^2/NDF : 15450.6/18

Left In: 69.963 ± 0.227 χ^2/NDF : 2669.9/16

Left: 70.264 ± 0.156 χ^2/NDF : 4999.2/35

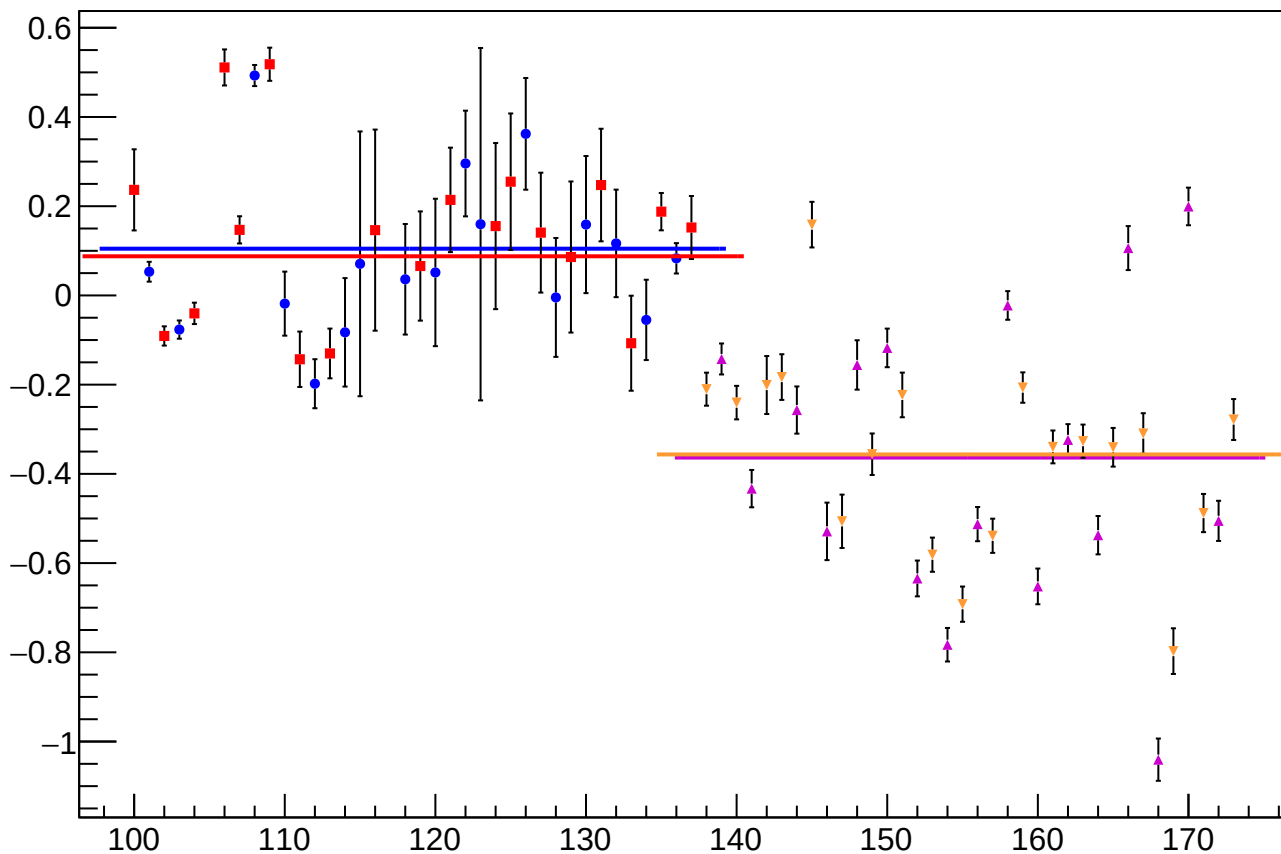
Right: 1.065 ± 0.181 χ^2/NDF : 33730.4/35

In: 38.169 ± 0.167 χ^2/NDF : 64023.6/33

Out: 43.646 ± 0.167 χ^2/NDF : 57997.5/37

All: 40.911 ± 0.118 χ^2/NDF : 122558.7/71

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.356 ± 0.010 $\chi^2/\text{NDF}: 394.3/18$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.9/18$

Left In: -0.363 ± 0.010 $\chi^2/\text{NDF}: 951.5/16$

Left: -0.360 ± 0.007 $\chi^2/\text{NDF}: 1346.1/35$

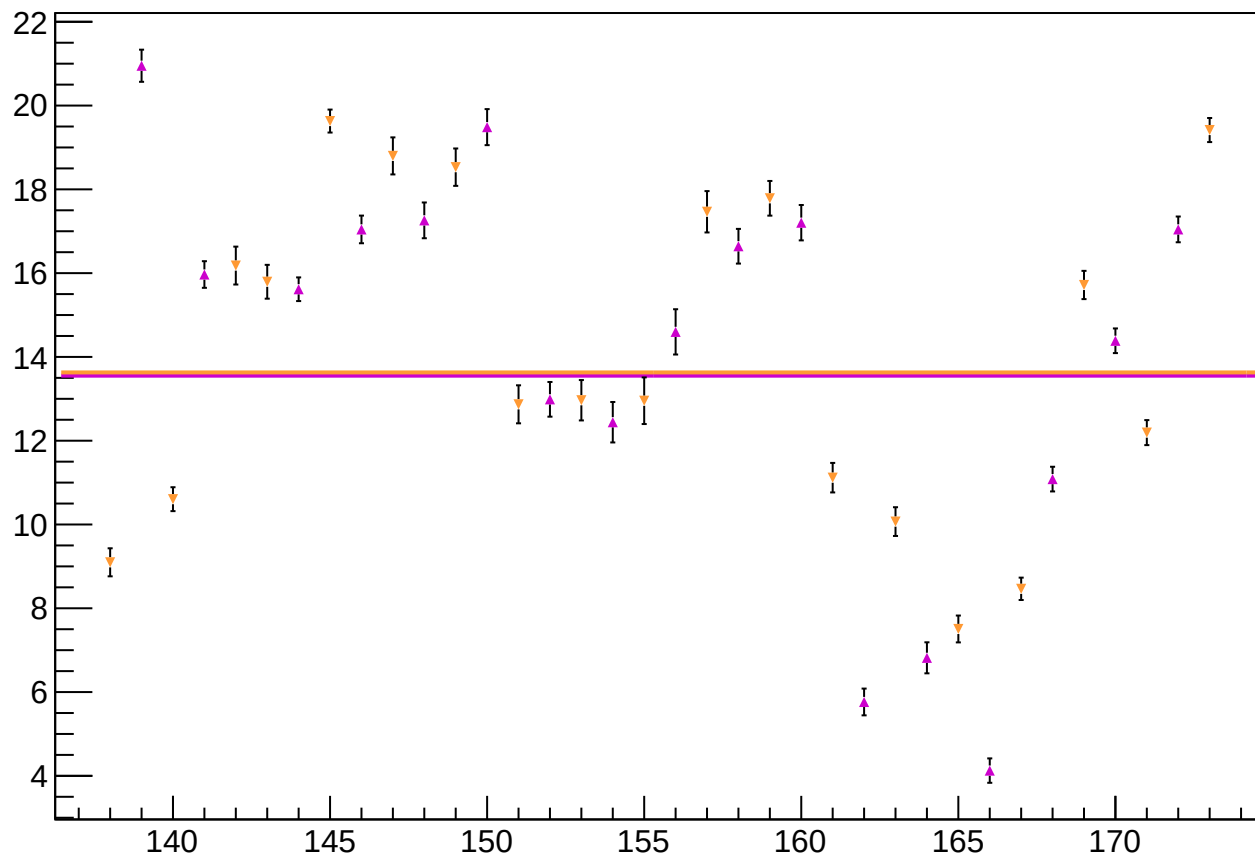
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.8/35$

In: -0.149 ± 0.007 $\chi^2/\text{NDF}: 2327.6/33$

Out: -0.159 ± 0.007 $\chi^2/\text{NDF}: 1689.6/37$

All: -0.154 ± 0.005 $\chi^2/\text{NDF}: 4018.1/71$

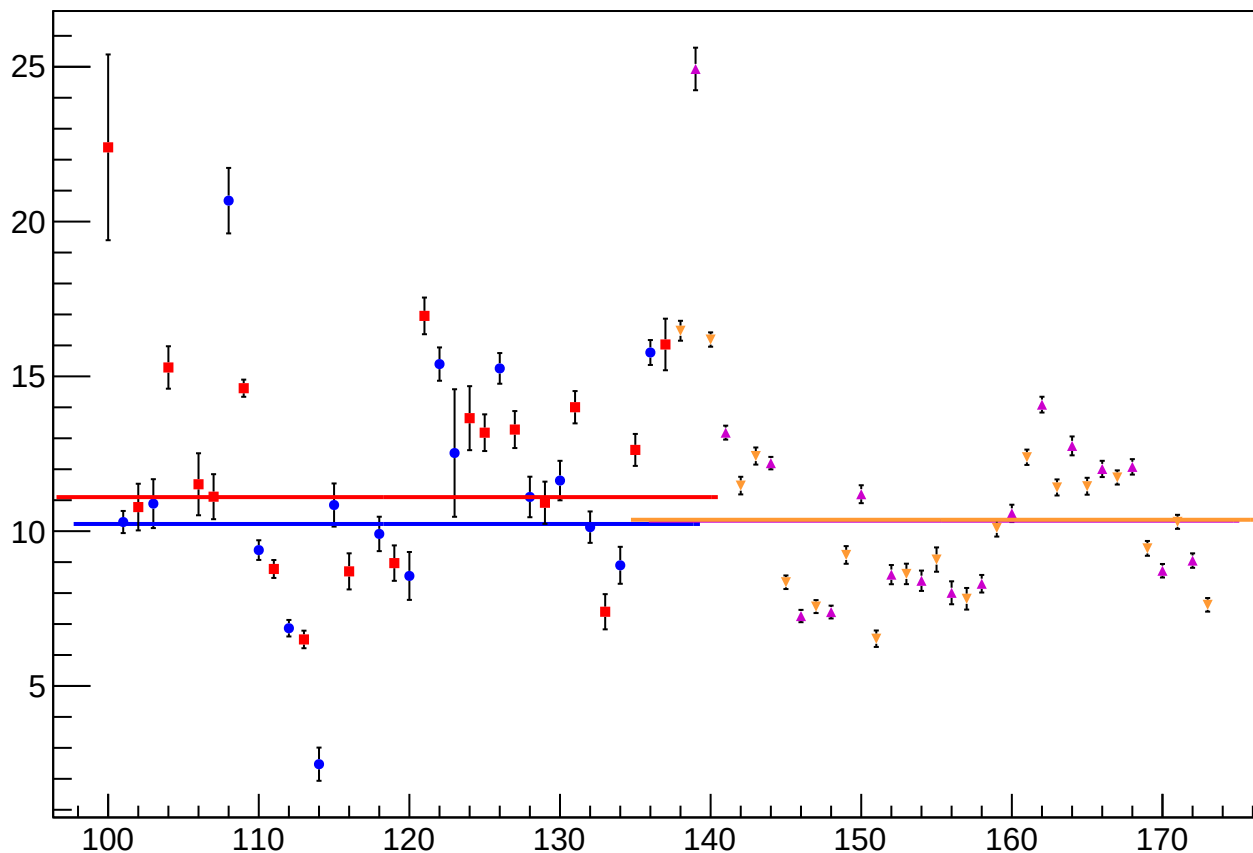
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 13.630+/-0.082 χ^2/NDF :2624.7/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 13.553+/-0.085 χ^2/NDF :3182.1/16

Left: 13.593+/-0.059 χ^2/NDF : 5807.2/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 13.553+/-0.085 χ^2/NDF :3182.1/16
 Out: 13.630+/-0.082 χ^2/NDF :2624.7/18
 All: 13.593+/-0.059 χ^2/NDF : 5807.2/35

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 $\pm$ 0.119 χ^2/NDF : 876.7/16

Left Out: 10.368 $\pm$ 0.060 χ^2/NDF :1950.4/18

Right Out: 11.100 $\pm$ 0.116 χ^2/NDF : 817.8/18

Left In: 10.338 $\pm$ 0.063 χ^2/NDF :1756.6/16

Left: 10.354 $\pm$ 0.043 χ^2/NDF : 3707.1/35

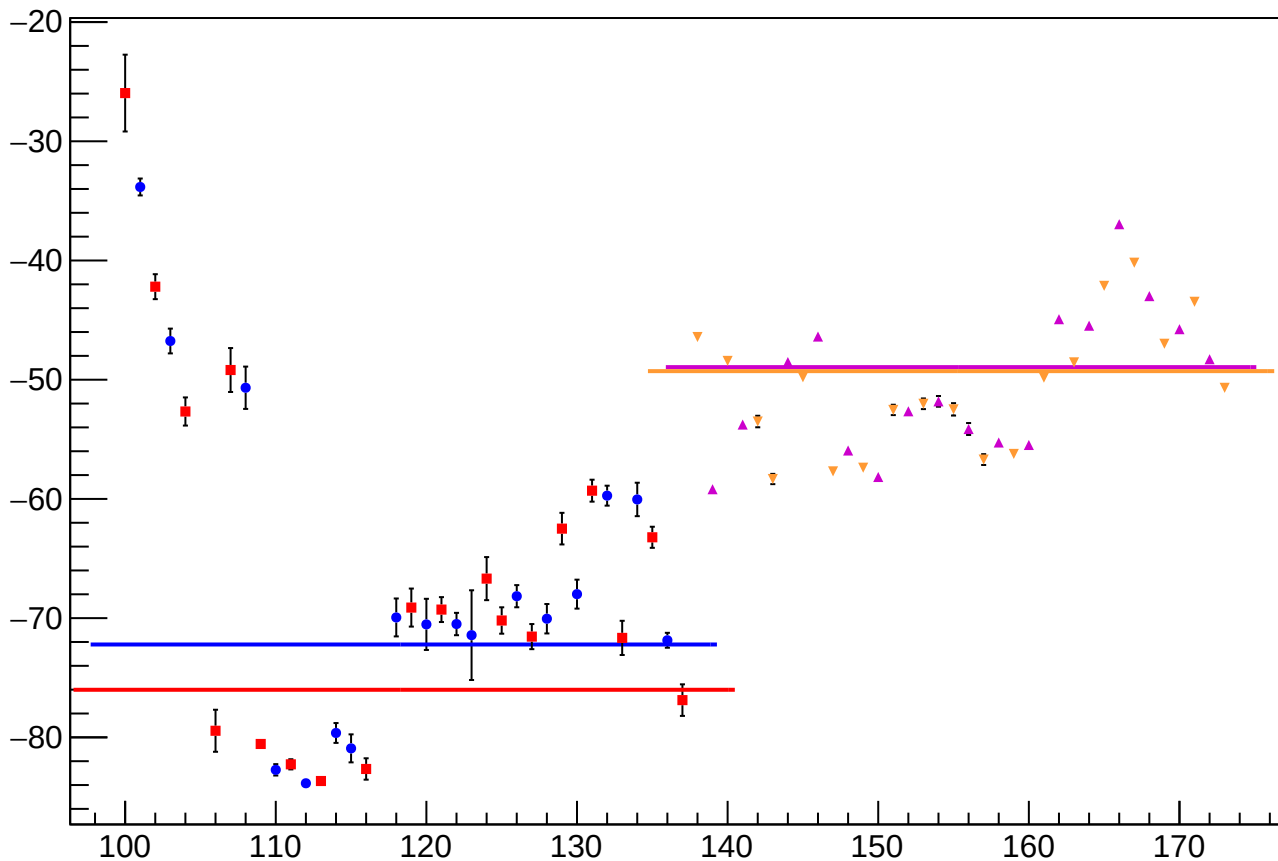
Right: 10.677 $\pm$ 0.083 χ^2/NDF : 1721.6/35

In: 10.315 $\pm$ 0.055 χ^2/NDF :2634.0/33

Out: 10.520 $\pm$ 0.053 χ^2/NDF :2799.5/37

All: 10.422 $\pm$ 0.038 χ^2/NDF : 5440.6/71

reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 ± 0.198 $\chi^2/\text{NDF}: 5566.2/16$

Left Out: -49.281 ± 0.082 $\chi^2/\text{NDF}: 4171.6/18$

Right Out: -76.009 ± 0.181 $\chi^2/\text{NDF}: 3463.3/18$

Left In: -48.944 ± 0.085 $\chi^2/\text{NDF}: 4913.2/16$

Left: -49.118 ± 0.059 $\chi^2/\text{NDF}: 9093.0/35$

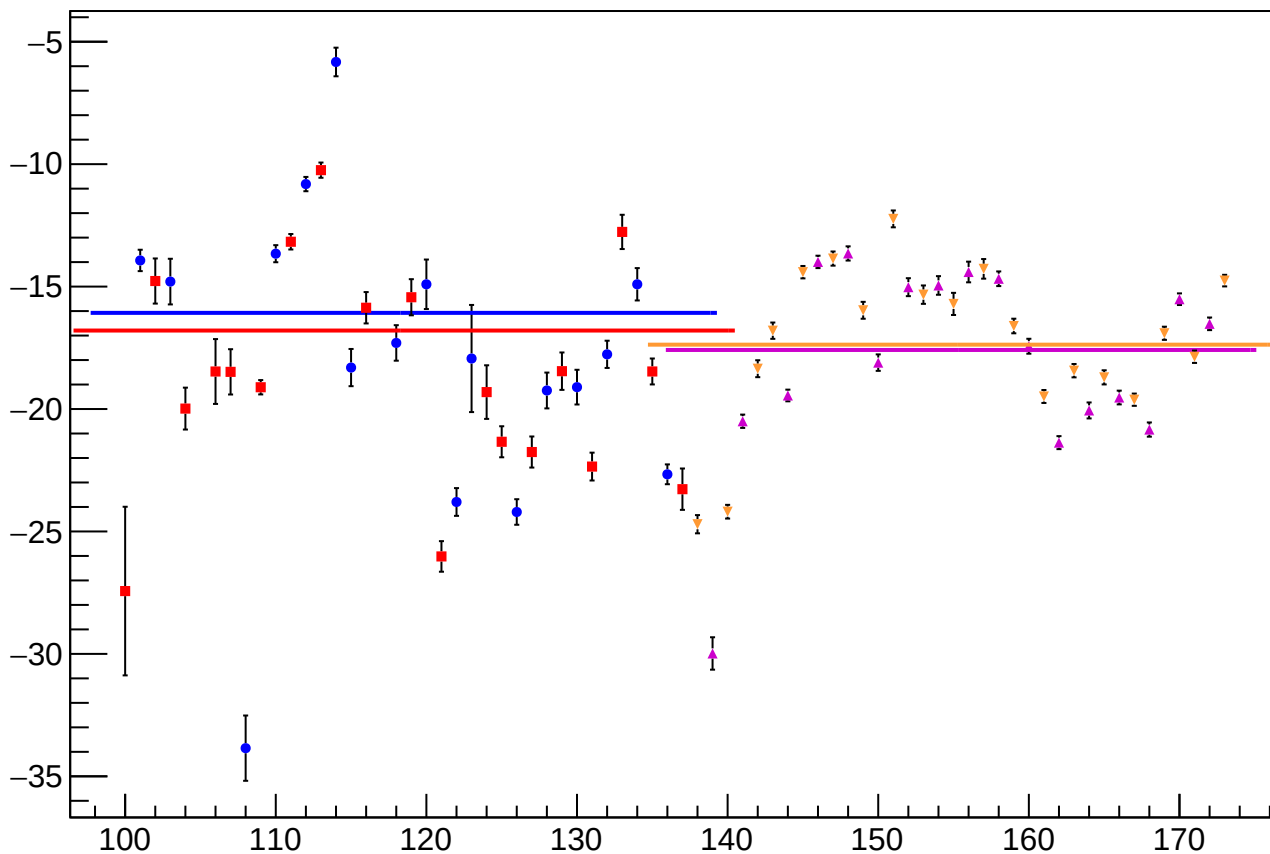
Right: -74.280 ± 0.134 $\chi^2/\text{NDF}: 9230.0/35$

In: -52.551 ± 0.078 $\chi^2/\text{NDF}: 22148.7/33$

Out: -53.821 ± 0.075 $\chi^2/\text{NDF}: 25740.2/37$

All: -53.214 ± 0.054 $\chi^2/\text{NDF}: 48027.3/71$

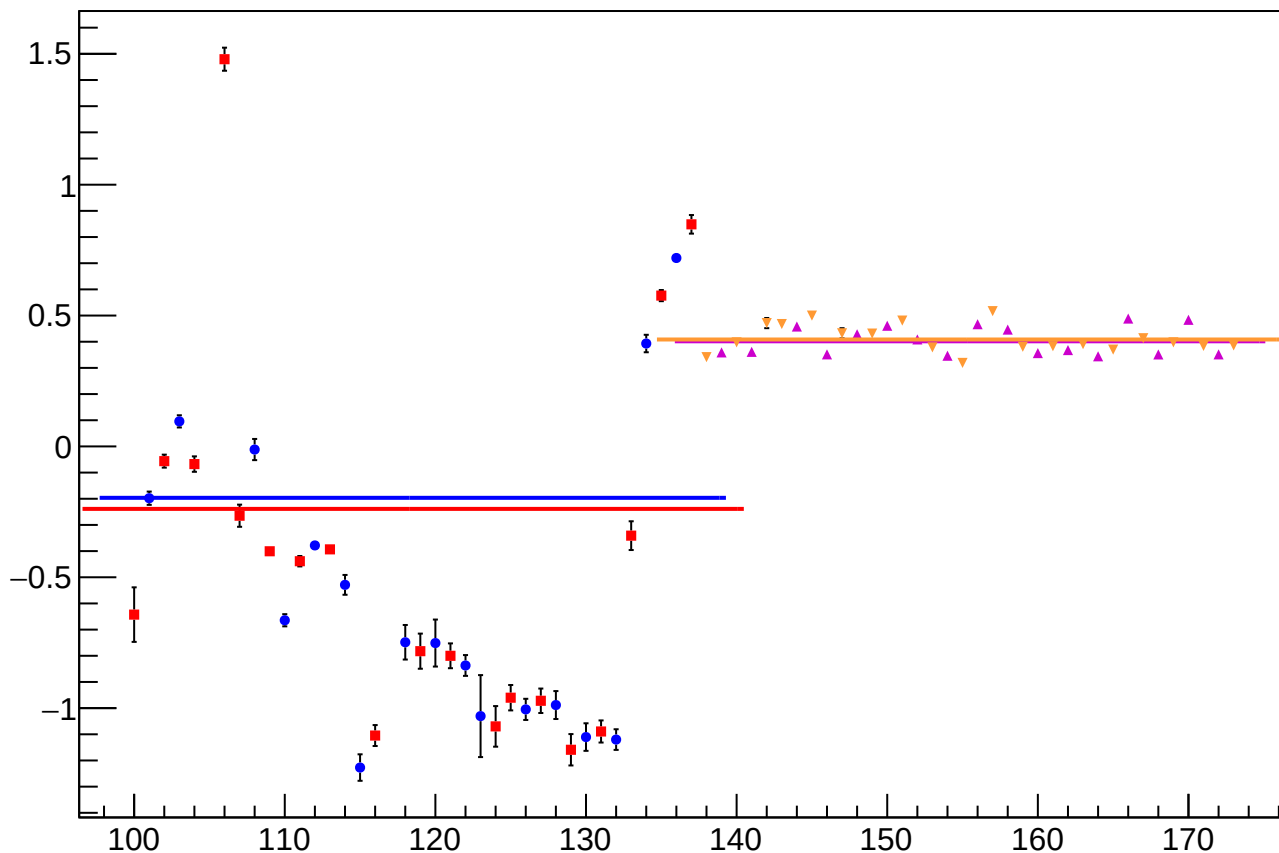
reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073 ± 0.133 χ^2/NDF : 1640.5/16
 Left Out: -17.372 ± 0.068 χ^2/NDF : 1935.3/18
 Right Out: -16.795 ± 0.128 χ^2/NDF : 1216.0/18
 Left In: -17.588 ± 0.072 χ^2/NDF : 1689.7/16

Left: -17.474 ± 0.050 χ^2/NDF : 3629.8/35
 Right: -16.446 ± 0.092 χ^2/NDF : 2871.9/35
 In: -17.242 ± 0.063 χ^2/NDF : 3431.1/33
 Out: -17.244 ± 0.060 χ^2/NDF : 3167.1/37
 All: -17.243 ± 0.044 χ^2/NDF : 6598.2/71

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.409 ± 0.003 χ^2/NDF : 233.7/18

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

Left In: 0.402 ± 0.003 χ^2/NDF : 275.1/16

Left: 0.405 ± 0.002 χ^2/NDF : 511.1/35

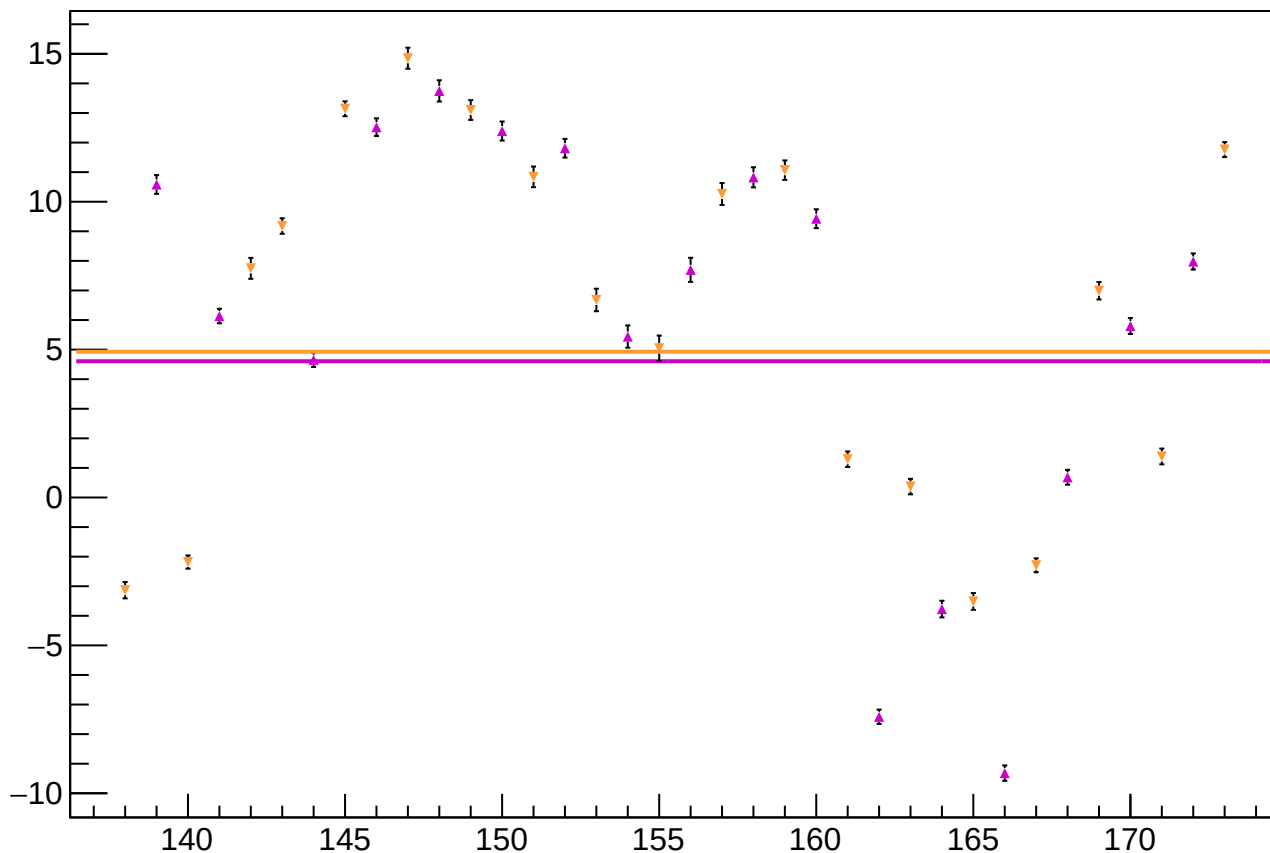
Right: -0.219 ± 0.005 χ^2/NDF : 12528.7/35

In: 0.305 ± 0.003 χ^2/NDF : 11860.8/33

Out: 0.303 ± 0.003 χ^2/NDF : 13218.9/37

All: 0.303 ± 0.002 χ^2/NDF : 25079.9/71

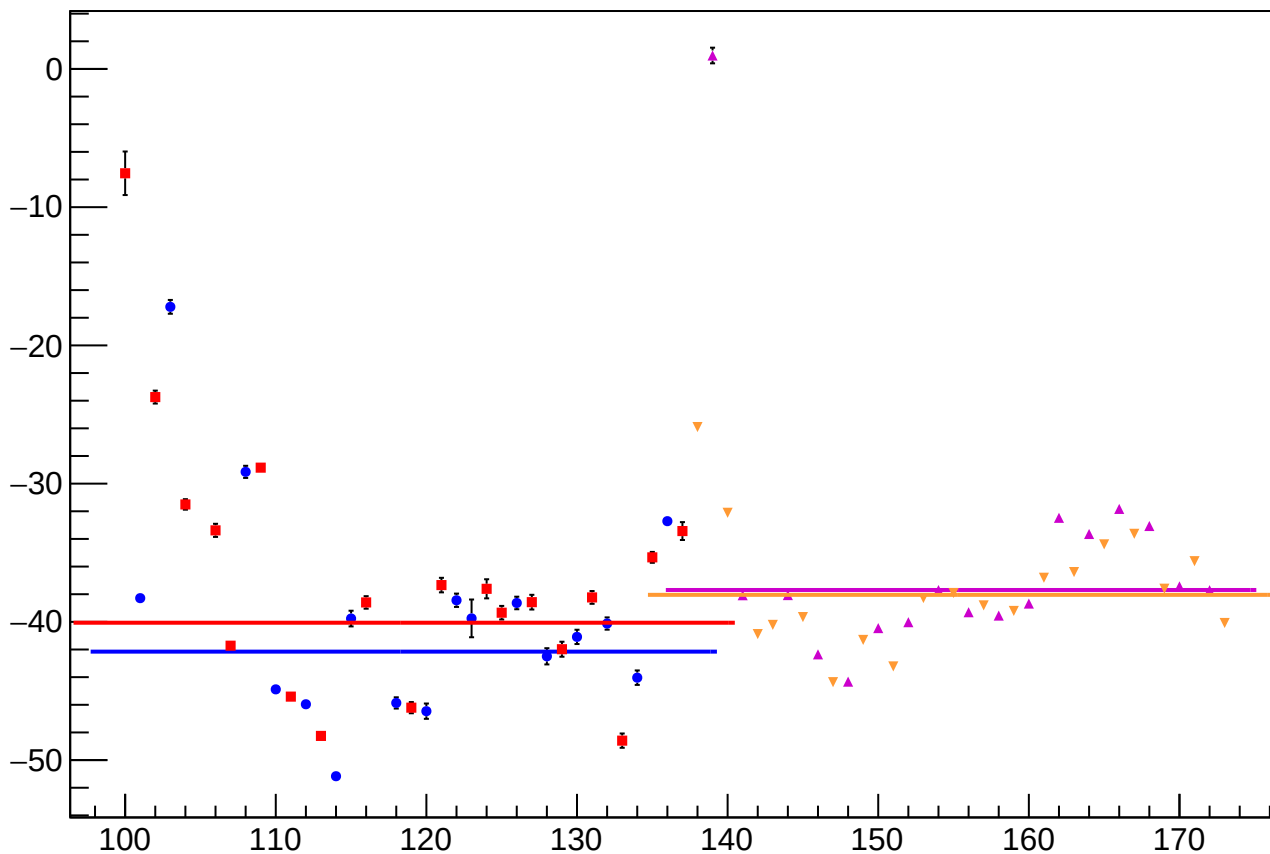
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.929 $\pm$ 0.067 χ^2 /NDF:8760.5/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.606 $\pm$ 0.071 χ^2 /NDF:10102.2/16

Left: 4.777 $\pm$ 0.048 χ^2 /NDF: 18873.8/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.606 $\pm$ 0.071 χ^2 /NDF:10102.2/16
 Out: 4.929 $\pm$ 0.067 χ^2 /NDF:8760.5/18
 All: 4.777 $\pm$ 0.048 χ^2 /NDF: 18873.8/35

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 $\chi^2/\text{NDF}: 6557.8/16$

Left Out: -38.045 ± 0.048 $\chi^2/\text{NDF}: 6837.6/18$

Right Out: -40.062 ± 0.073 $\chi^2/\text{NDF}: 11322.2/18$

Left In: -37.694 ± 0.052 $\chi^2/\text{NDF}: 9214.1/16$

Left: -37.882 ± 0.035 $\chi^2/\text{NDF}: 16076.3/35$

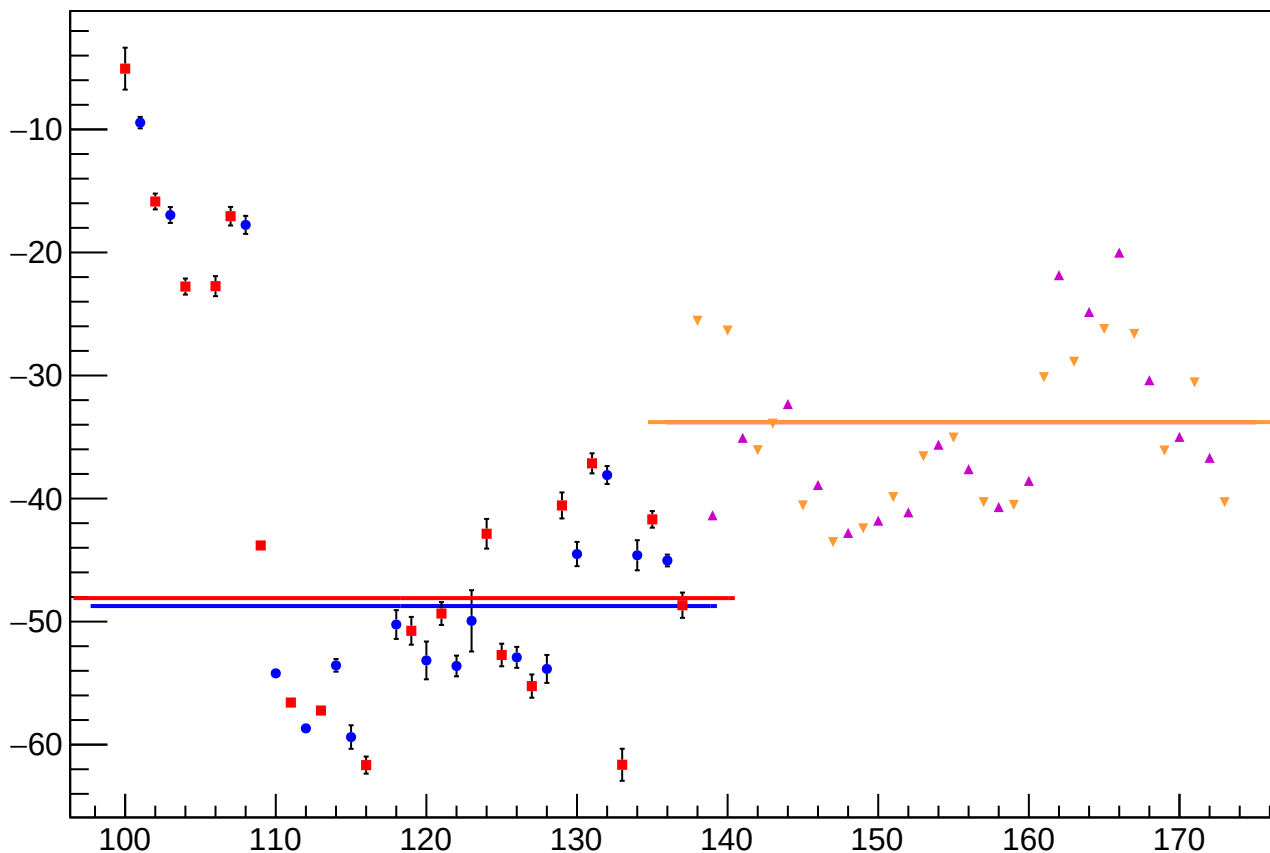
Right: -41.035 ± 0.053 $\chi^2/\text{NDF}: 18264.1/35$

In: -39.061 ± 0.043 $\chi^2/\text{NDF}: 18037.2/33$

Out: -38.663 ± 0.040 $\chi^2/\text{NDF}: 18692.8/37$

All: -38.848 ± 0.029 $\chi^2/\text{NDF}: 36775.5/71$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -33.788 ± 0.067 $\chi^2/\text{NDF}: 8293.0/18$

Right Out: -48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

Left In: -33.797 ± 0.070 $\chi^2/\text{NDF}: 10443.0/16$

Left: -33.792 ± 0.048 $\chi^2/\text{NDF}: 18736.0/35$

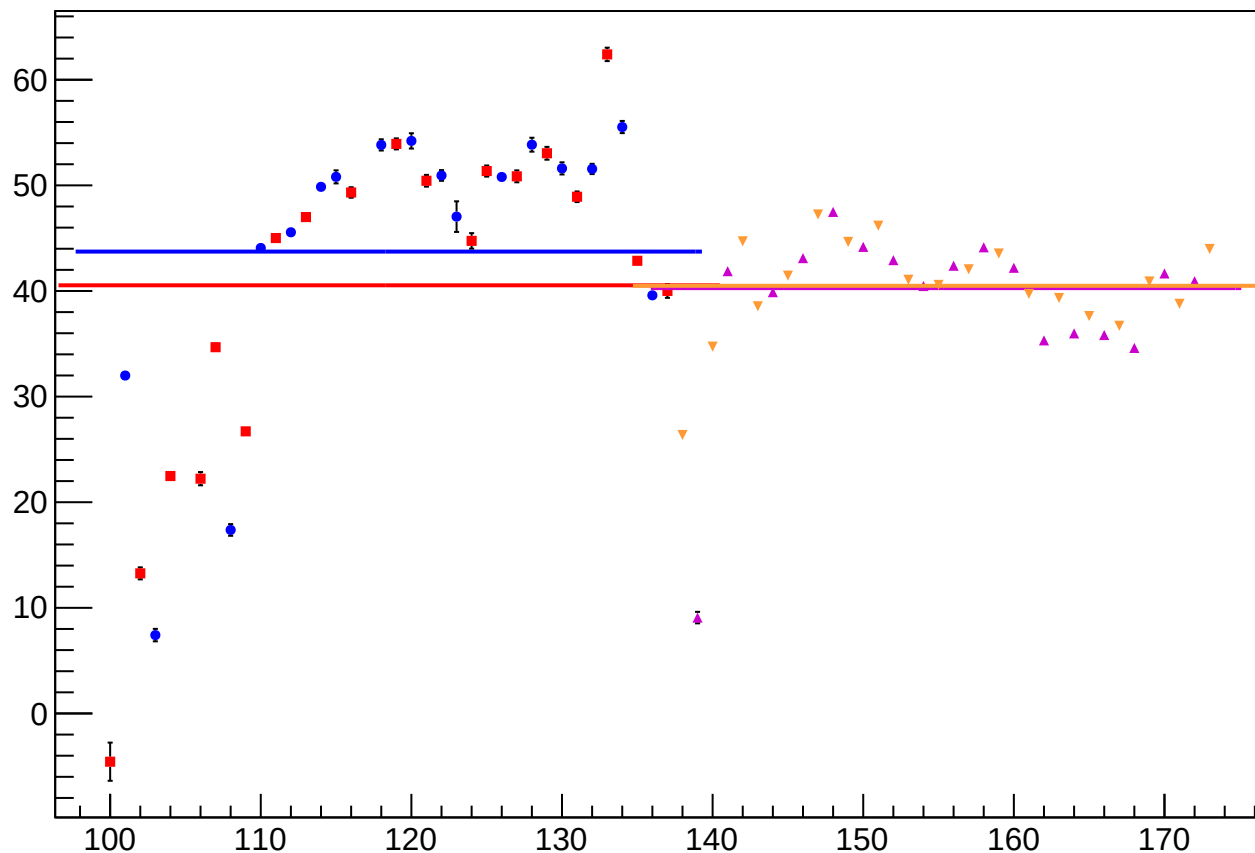
Right: -48.367 ± 0.081 $\chi^2/\text{NDF}: 26406.8/35$

In: -37.365 ± 0.061 $\chi^2/\text{NDF}: 36051.8/33$

Out: -37.772 ± 0.057 $\chi^2/\text{NDF}: 32861.7/37$

All: -37.583 ± 0.041 $\chi^2/\text{NDF}: 68937.5/71$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 $\pm$ 0.087 χ^2 /NDF: 10567.7/16

Left Out: 40.491 $\pm$ 0.056 χ^2 /NDF: 5652.6/18

Right Out: 40.537 $\pm$ 0.080 χ^2 /NDF: 17601.3/18

Left In: 40.272 $\pm$ 0.059 χ^2 /NDF: 6825.8/16

Left: 40.389 $\pm$ 0.041 χ^2 /NDF: 12485.6/35

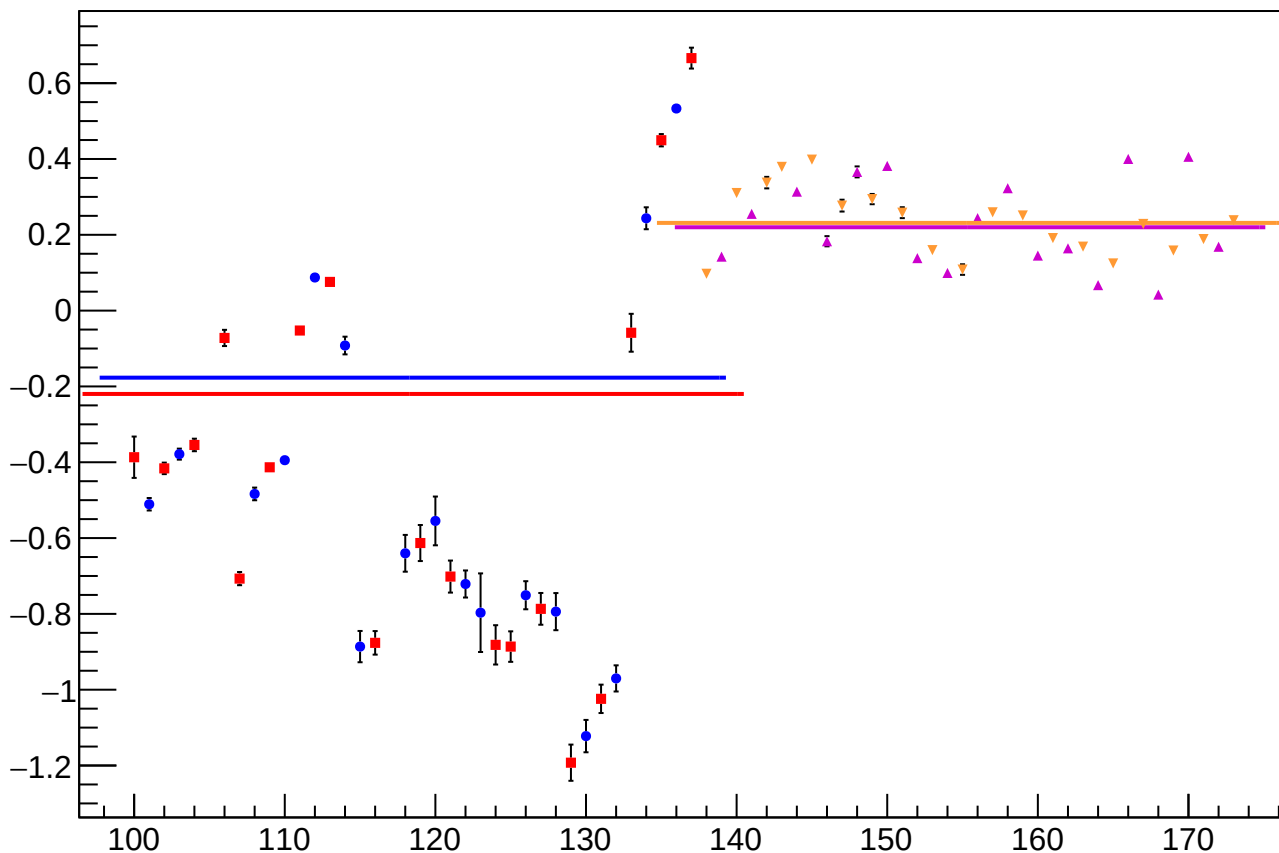
Right: 42.007 $\pm$ 0.059 χ^2 /NDF: 28898.9/35

In: 41.376 $\pm$ 0.049 χ^2 /NDF: 18473.4/33

Out: 40.506 $\pm$ 0.046 χ^2 /NDF: 23254.1/37

All: 40.910 $\pm$ 0.033 χ^2 /NDF: 41896.1/71

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.231 ± 0.003 χ^2/NDF : 1016.5/18

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

Left In: 0.220 ± 0.003 χ^2/NDF : 1841.8/16

Left: 0.226 ± 0.002 χ^2/NDF : 2867.7/35

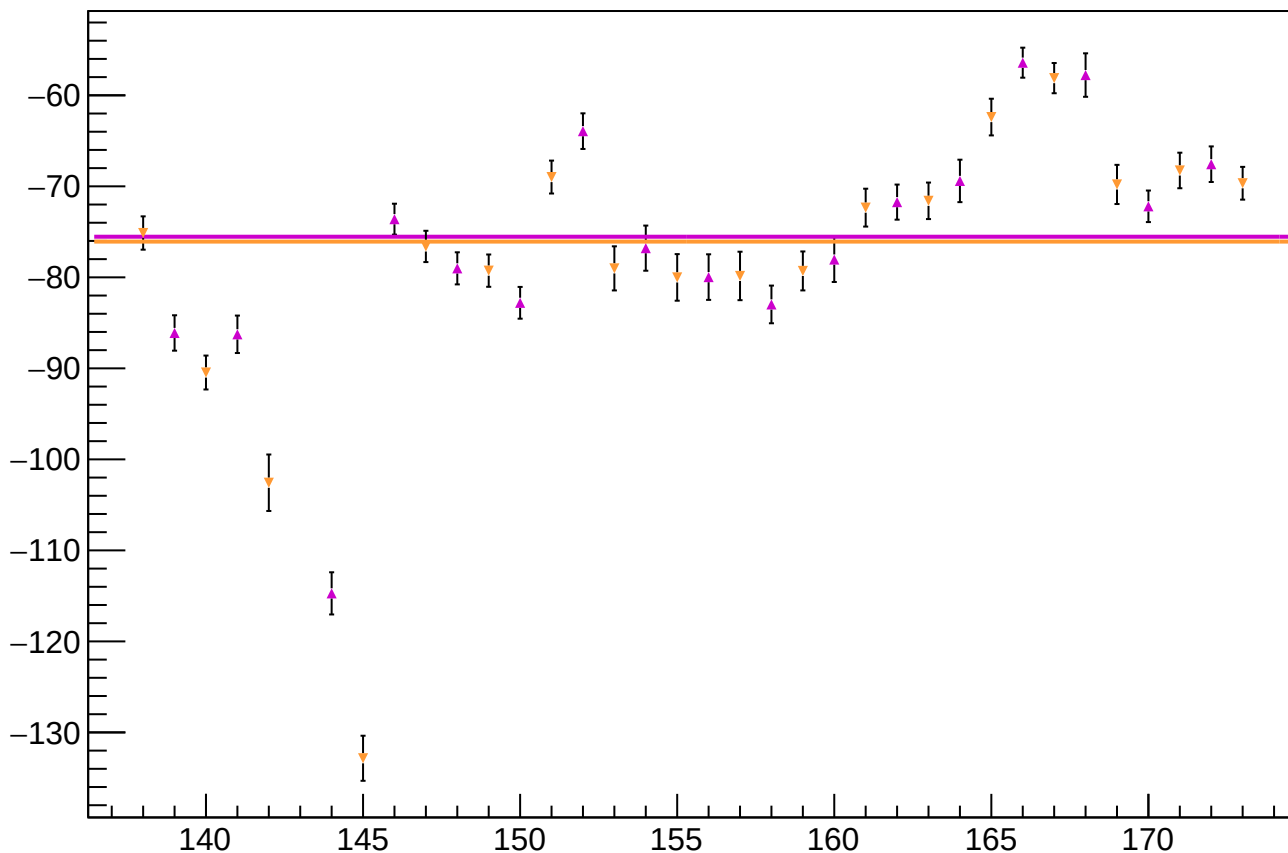
Right: -0.201 ± 0.003 χ^2/NDF : 14839.1/35

In: 0.124 ± 0.002 χ^2/NDF : 14306.0/33

Out: 0.111 ± 0.002 χ^2/NDF : 16517.5/37

All: 0.117 ± 0.002 χ^2/NDF : 30839.1/71

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -76.071+/-0.478 χ^2/NDF :893.9/17

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

Left In: -75.536+/-0.485 χ^2/NDF :638.3/16

Left: -75.808+/-0.340 χ^2/NDF : 1532.8/34

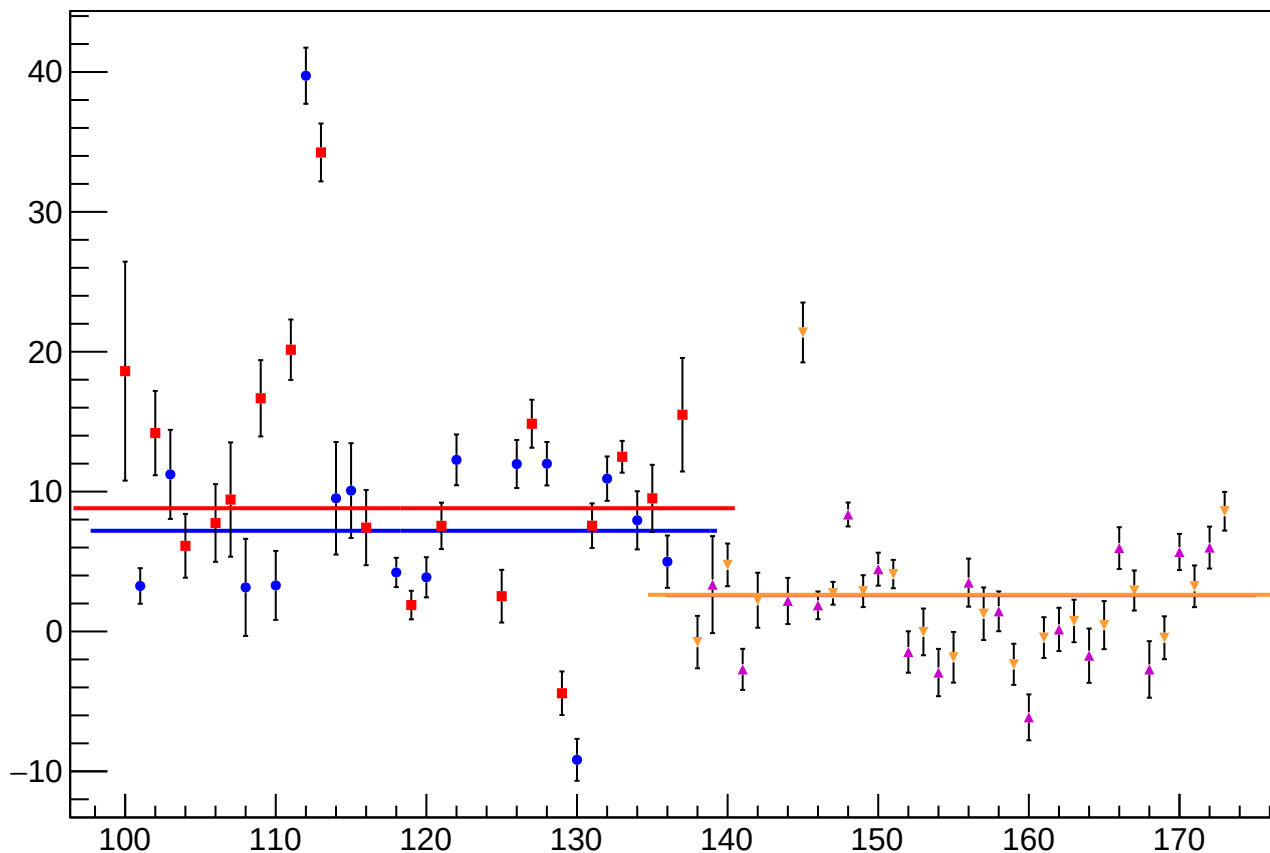
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -75.536+/-0.485 χ^2/NDF :638.3/16

Out: -76.071+/-0.478 χ^2/NDF :893.9/17

All: -75.808+/-0.340 χ^2/NDF : 1532.8/34

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 0.440 $\chi^2/\text{NDF}: 443.8/15$

Left Out: 2.623 ± 0.334 $\chi^2/\text{NDF}: 135.2/17$

Right Out: 8.810 ± 0.448 $\chi^2/\text{NDF}: 349.7/17$

Left In: 2.596 ± 0.344 $\chi^2/\text{NDF}: 139.4/16$

Left: 2.610 ± 0.240 $\chi^2/\text{NDF}: 274.6/34$

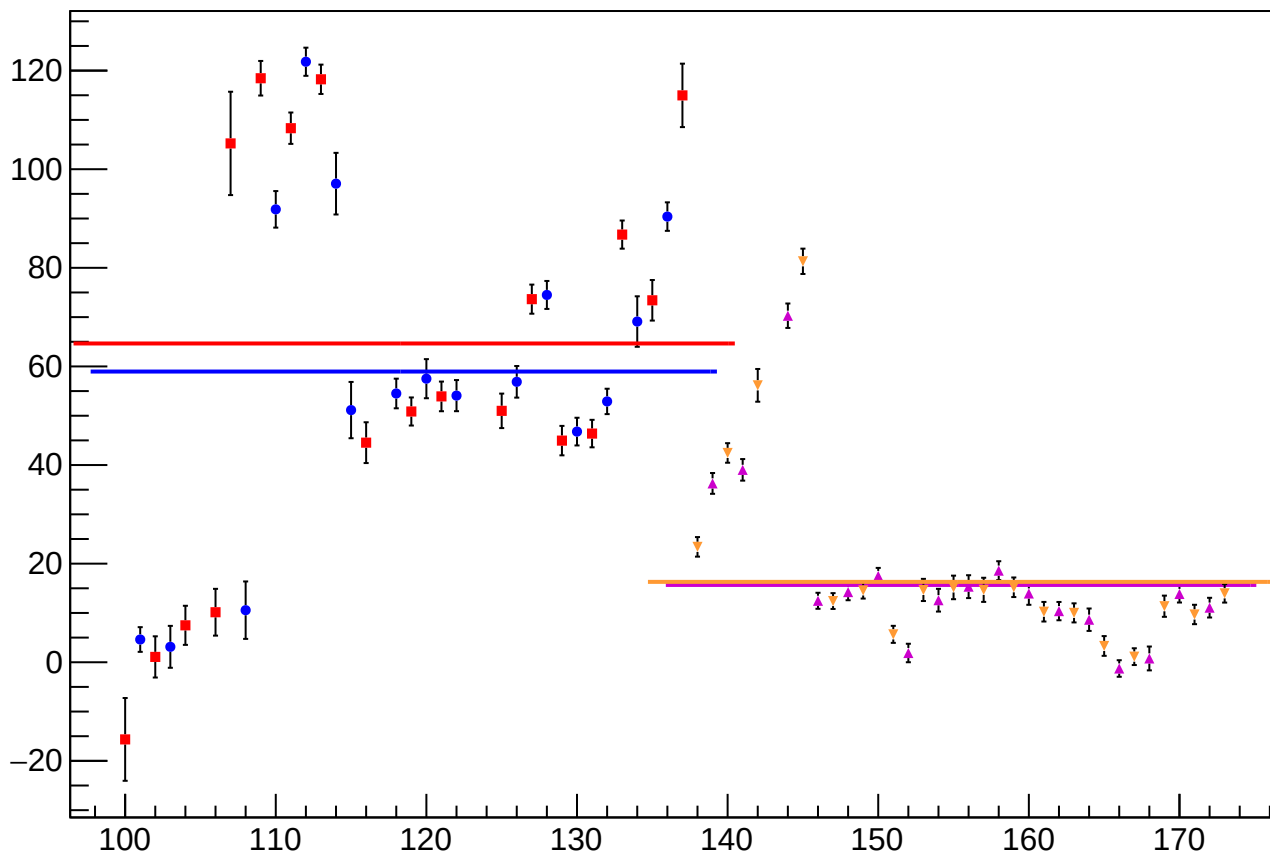
Right: 7.990 ± 0.314 $\chi^2/\text{NDF}: 800.1/33$

In: 4.346 ± 0.271 $\chi^2/\text{NDF}: 651.2/32$

Out: 4.833 ± 0.268 $\chi^2/\text{NDF}: 607.6/35$

All: 4.592 ± 0.190 $\chi^2/\text{NDF}: 1260.3/68$

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 16.303 $\pm$ 0.471 χ^2 /NDF:1177.2/17

Right Out: 64.655 $\pm$ 0.840 χ^2 /NDF: 1721.8/17

Left In: 15.681 $\pm$ 0.475 χ^2 /NDF:923.4/16

Left: 15.995 $\pm$ 0.335 χ^2 /NDF: 2101.5/34

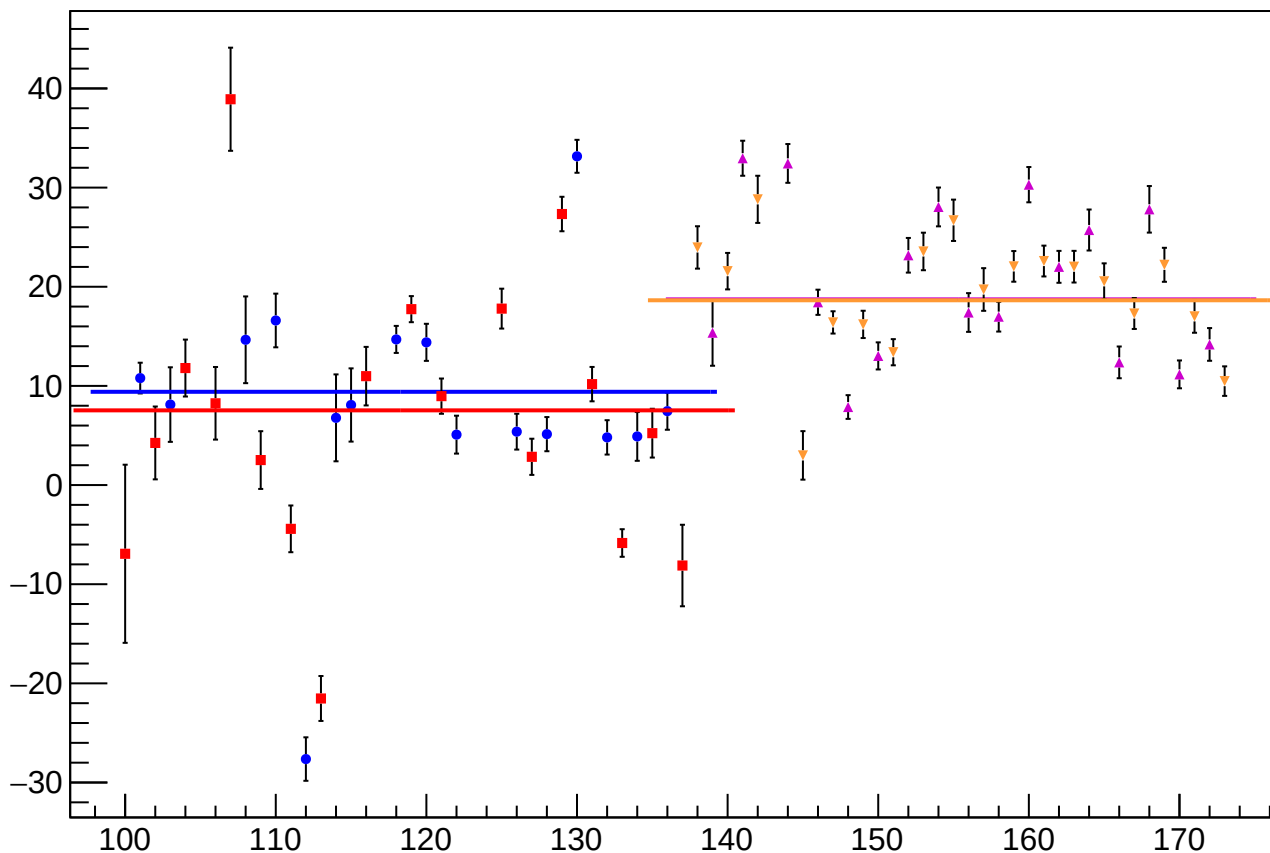
Right: 61.798 $\pm$ 0.593 χ^2 /NDF: 3241.4/33

In: 26.228 $\pm$ 0.413 χ^2 /NDF:4442.5/32

Out: 27.873 $\pm$ 0.411 χ^2 /NDF:5419.3/35

All: 27.055 $\pm$ 0.291 χ^2 /NDF: 9869.8/68

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 18.636 ± 0.390 χ^2/NDF : 165.8/17

Right Out: 7.533 ± 0.515 χ^2/NDF : 569.8/17

Left In: 18.729 ± 0.402 χ^2/NDF : 371.1/16

Left: 18.681 ± 0.280 χ^2/NDF : 536.9/34

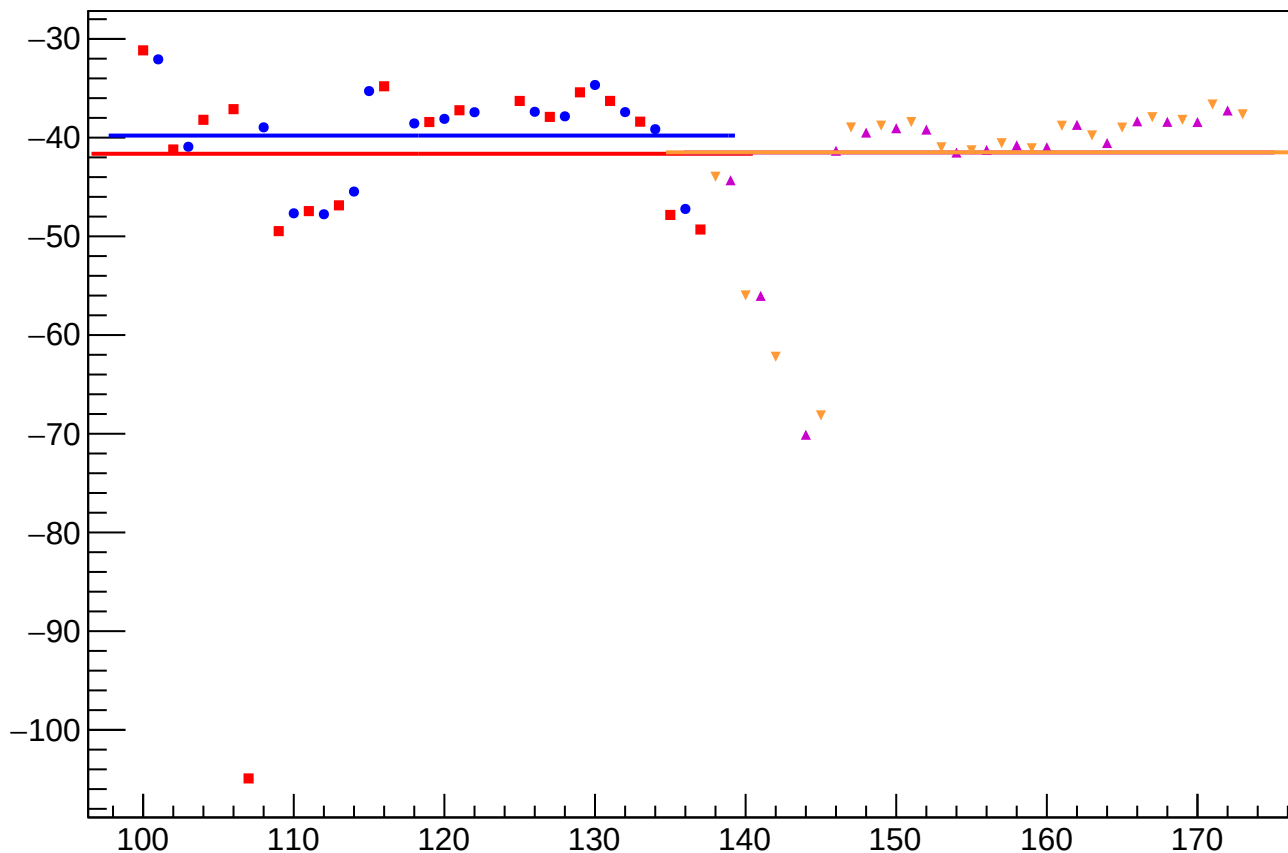
Right: 8.484 ± 0.361 χ^2/NDF : 1126.0/33

In: 15.132 ± 0.315 χ^2/NDF : 1128.6/32

Out: 14.588 ± 0.311 χ^2/NDF : 1031.1/35

All: 14.857 ± 0.221 χ^2/NDF : 2161.2/68

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -41.488 ± 0.018 χ^2/NDF : 141310.7/17

Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17

Left In: -41.501 ± 0.019 χ^2/NDF : 111231.8/16

Left: -41.495 ± 0.013 χ^2/NDF : 252542.7/34

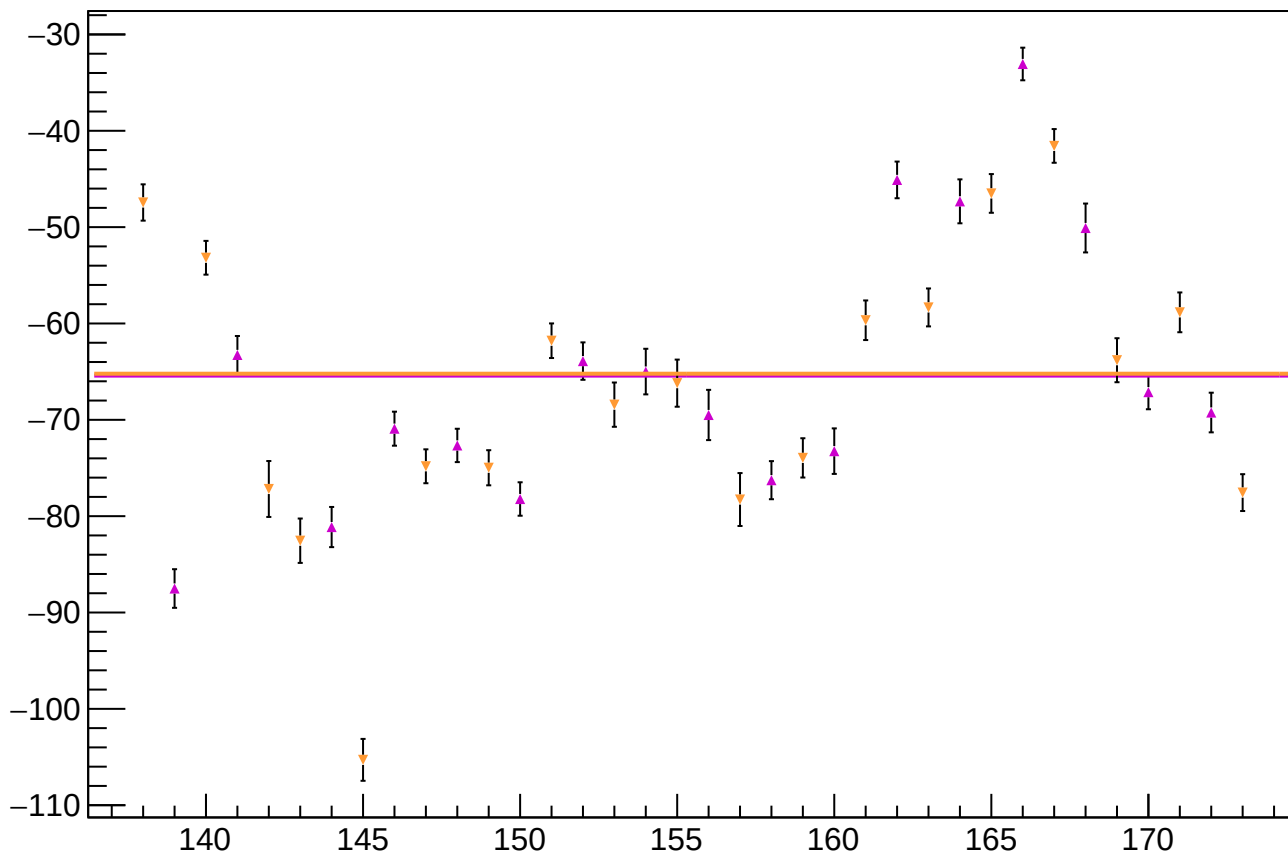
Right: -40.714 ± 0.022 χ^2/NDF : 122277.1/33

In: -41.052 ± 0.016 χ^2/NDF : 139581.9/32

Out: -41.526 ± 0.016 χ^2/NDF : 235720.4/35

All: -41.291 ± 0.011 χ^2/NDF : 375744.1/68

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -65.213+/-0.468 χ^2/NDF :995.2/18

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

Left In: -65.410+/-0.484 χ^2/NDF :888.1/16

Left: -65.309+/-0.336 χ^2/NDF : 1883.4/35

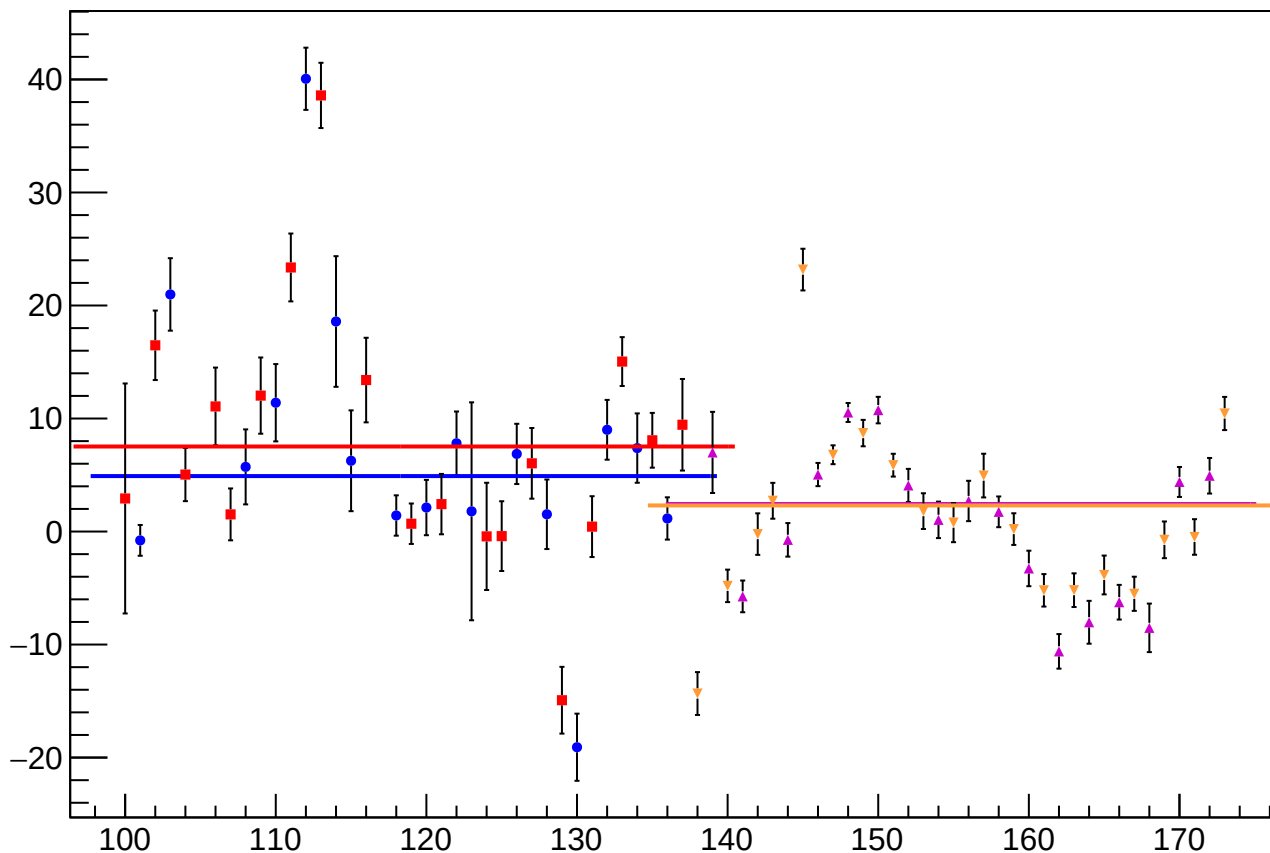
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -65.410+/-0.484 χ^2/NDF :888.1/16

Out: -65.213+/-0.468 χ^2/NDF :995.2/18

All: -65.309+/-0.336 χ^2/NDF : 1883.4/35

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 ± 0.628 χ^2/NDF : 295.4/16

Left Out: 2.309 ± 0.327 χ^2/NDF : 437.5/18

Right Out: 7.523 ± 0.651 χ^2/NDF : 270.6/18

Left In: 2.431 ± 0.342 χ^2/NDF : 371.3/16

Left: 2.367 ± 0.236 χ^2/NDF : 808.8/35

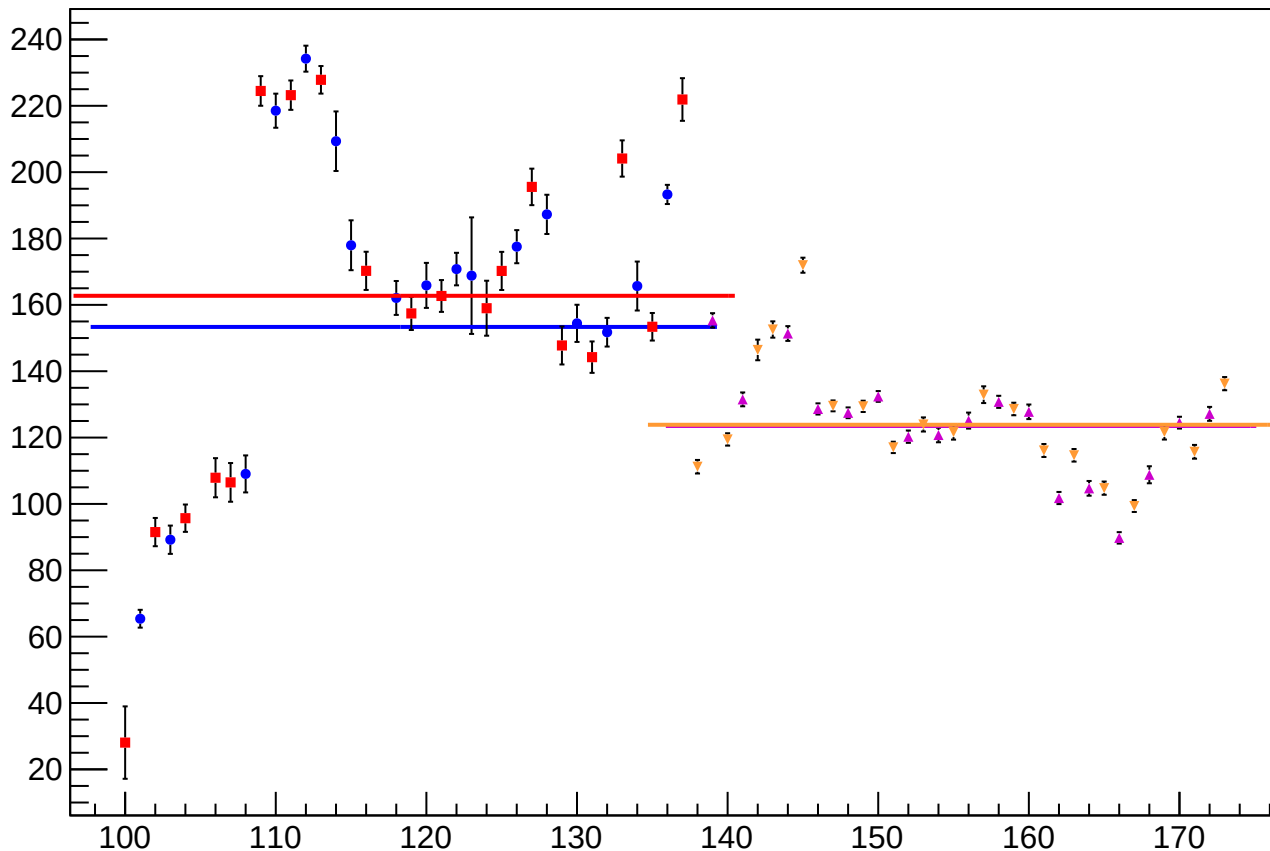
Right: 6.168 ± 0.452 χ^2/NDF : 574.4/35

In: 2.997 ± 0.300 χ^2/NDF : 678.7/33

Out: 3.359 ± 0.292 χ^2/NDF : 759.4/37

All: 3.183 ± 0.209 χ^2/NDF : 1438.9/71

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350+/-1.150 χ^2/NDF : 2268.3/16

Left Out: 123.861+/-0.463 χ^2/NDF :1113.0/18

Right Out: 162.734+/-1.177 χ^2/NDF : 1708.8/18

Left In: 123.498+/-0.474 χ^2/NDF :1086.3/16

Left: 123.684+/-0.331 χ^2/NDF : 2199.7/35

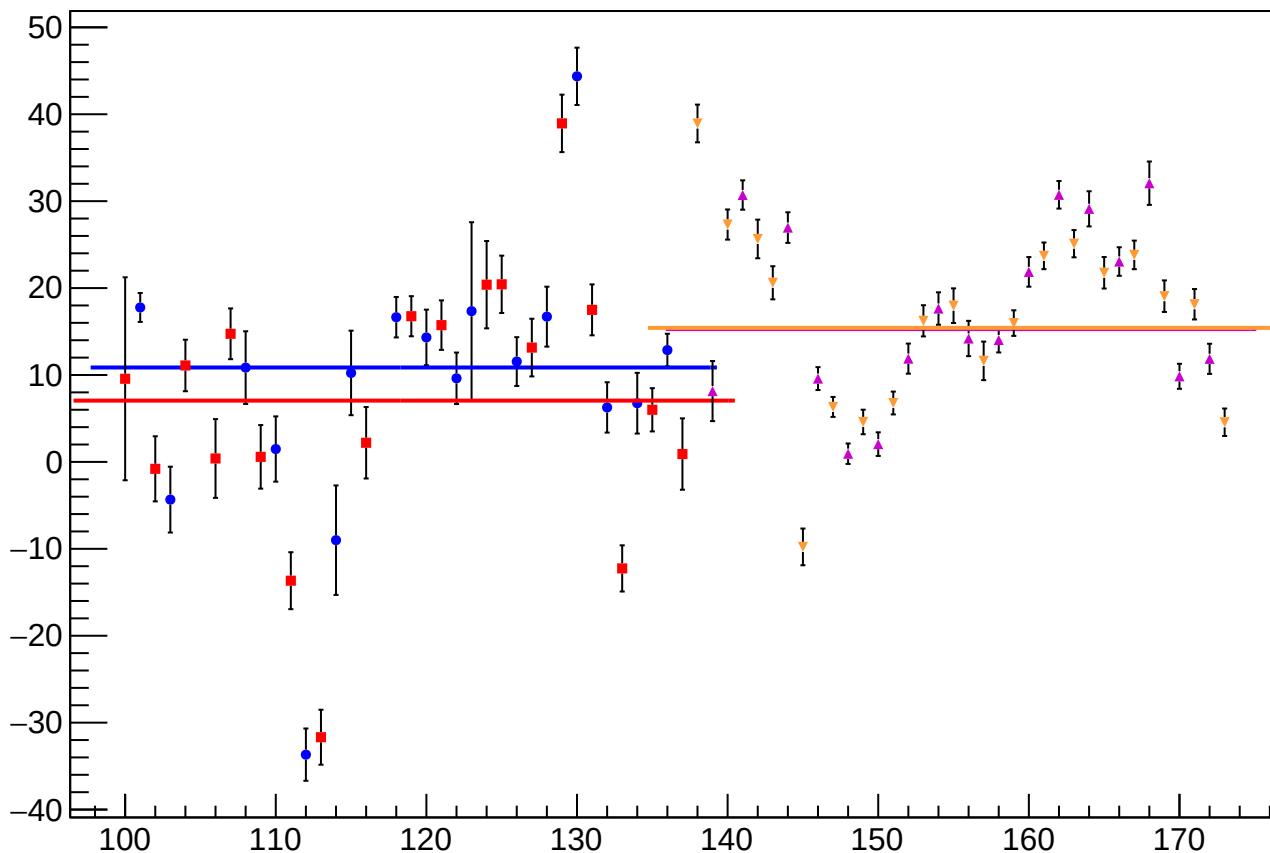
Right: 157.935+/-0.823 χ^2/NDF : 4009.6/35

In: 127.826+/-0.438 χ^2/NDF :3930.6/33

Out: 129.068+/-0.431 χ^2/NDF :3766.7/37

All: 128.457+/-0.307 χ^2/NDF : 7701.3/71

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 15.422 $\pm$ 0.382 χ^2 /NDF:664.4/18

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

Left In: 15.283 $\pm$ 0.399 χ^2 /NDF:642.9/16

Left: 15.356 $\pm$ 0.276 χ^2 /NDF: 1307.4/35

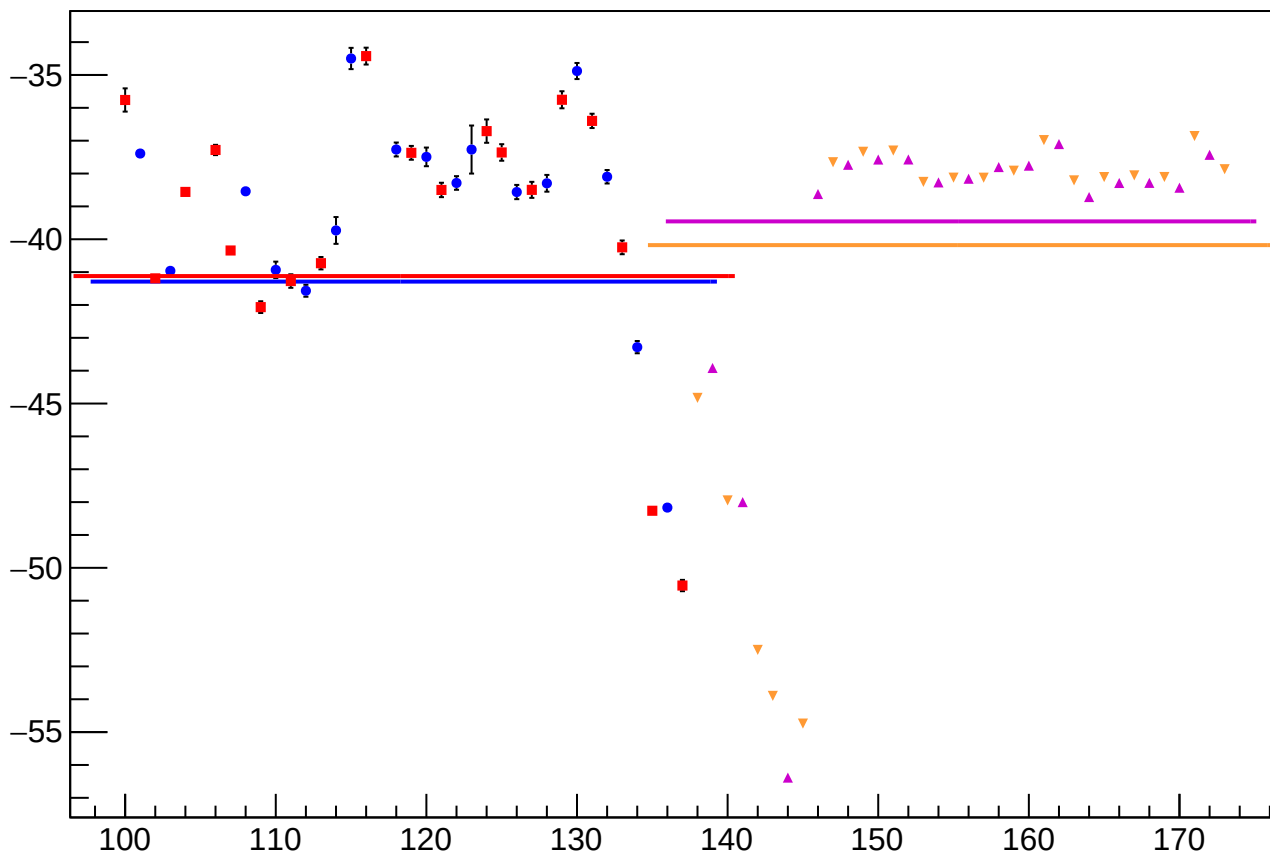
Right: 9.031 $\pm$ 0.518 χ^2 /NDF: 826.1/35

In: 14.243 $\pm$ 0.349 χ^2 /NDF:1059.7/33

Out: 13.689 $\pm$ 0.340 χ^2 /NDF:1188.5/37

All: 13.959 $\pm$ 0.244 χ^2 /NDF: 2249.5/71

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289+/-0.039 χ^2/NDF : 12509.1/16

Left Out: -40.179+/-0.018 χ^2/NDF : 82612.5/18

Right Out: -41.120+/-0.039 χ^2/NDF : 12110.6/18

Left In: -39.456+/-0.019 χ^2/NDF : 49918.2/16

Left: -39.826+/-0.013 χ^2/NDF : 133301.3/35

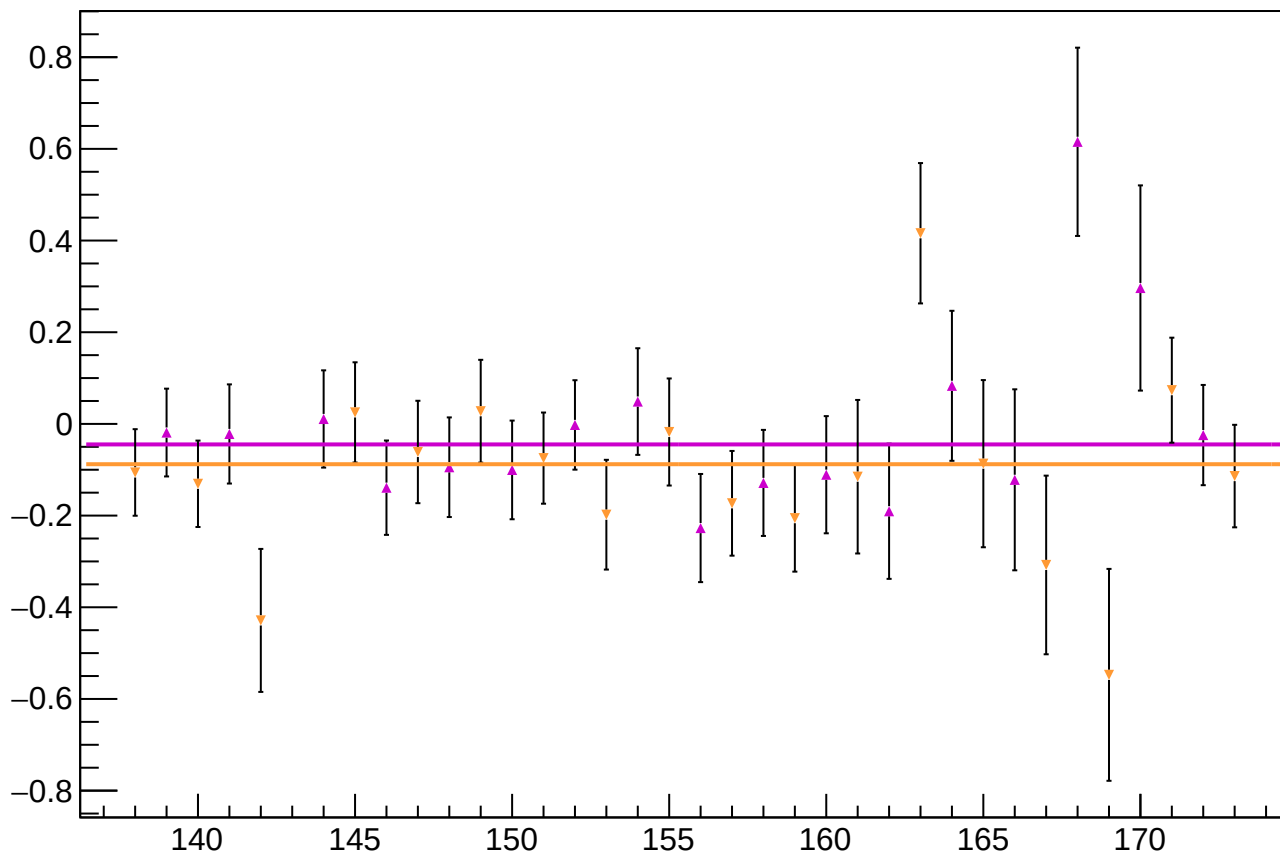
Right: -41.205+/-0.027 χ^2/NDF : 24629.1/35

In: -39.802+/-0.017 χ^2/NDF : 64254.7/33

Out: -40.349+/-0.016 χ^2/NDF : 95209.0/37

All: -40.081+/-0.012 χ^2/NDF : 160006.2/71

reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -0.088 ± 0.029 χ^2/NDF : 28.1/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -0.045 ± 0.029 χ^2/NDF : 20.2/16

Left: -0.067 ± 0.020 χ^2/NDF : 49.4/34

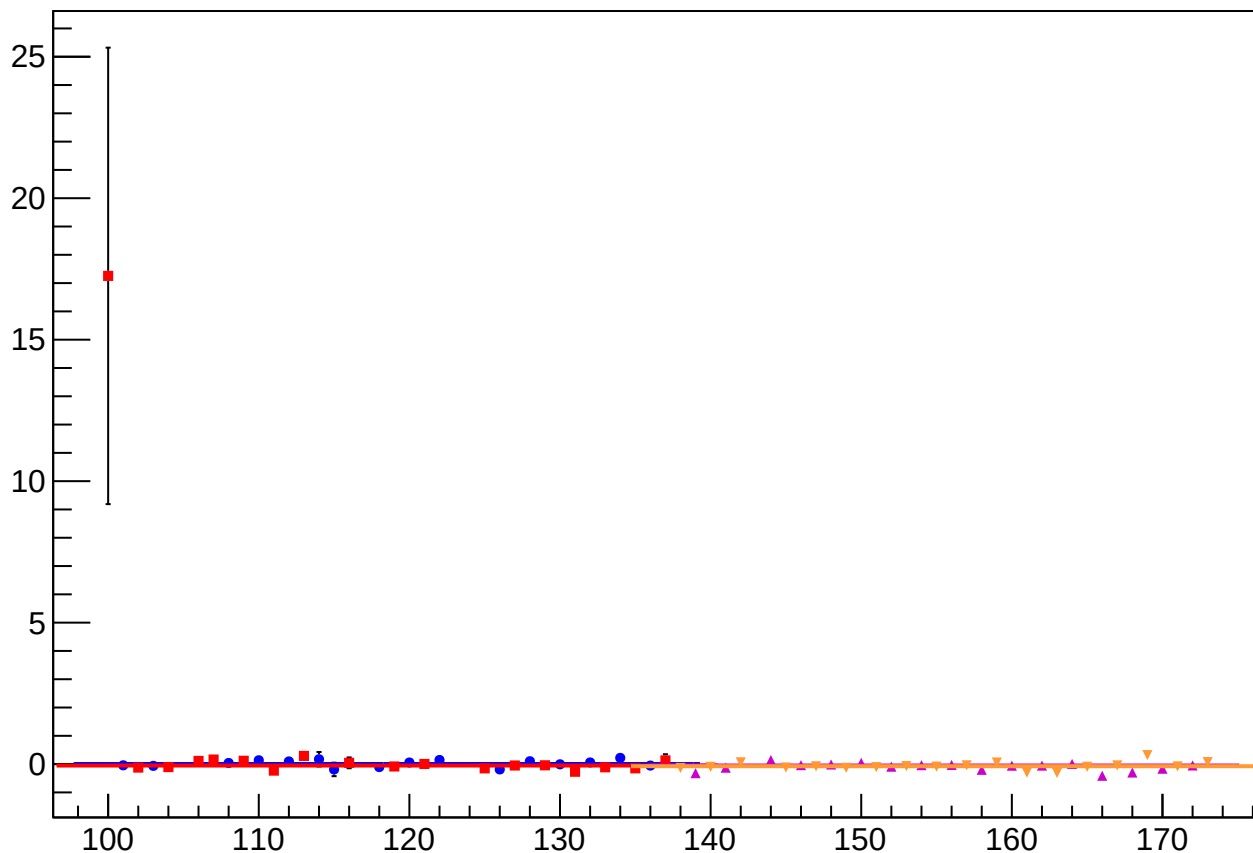
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -0.045 ± 0.029 χ^2/NDF : 20.2/16

Out: -0.088 ± 0.029 χ^2/NDF : 28.1/17

All: -0.067 ± 0.020 χ^2/NDF : 49.4/34

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003 ± 0.029 χ^2/NDF : 12.4/15

Left Out: -0.074 ± 0.020 χ^2/NDF : 22.7/17

Right Out: -0.050 ± 0.029 χ^2/NDF : 25.6/17

Left In: -0.050 ± 0.021 χ^2/NDF : 23.0/16

Left: -0.062 ± 0.014 χ^2/NDF : 46.4/34

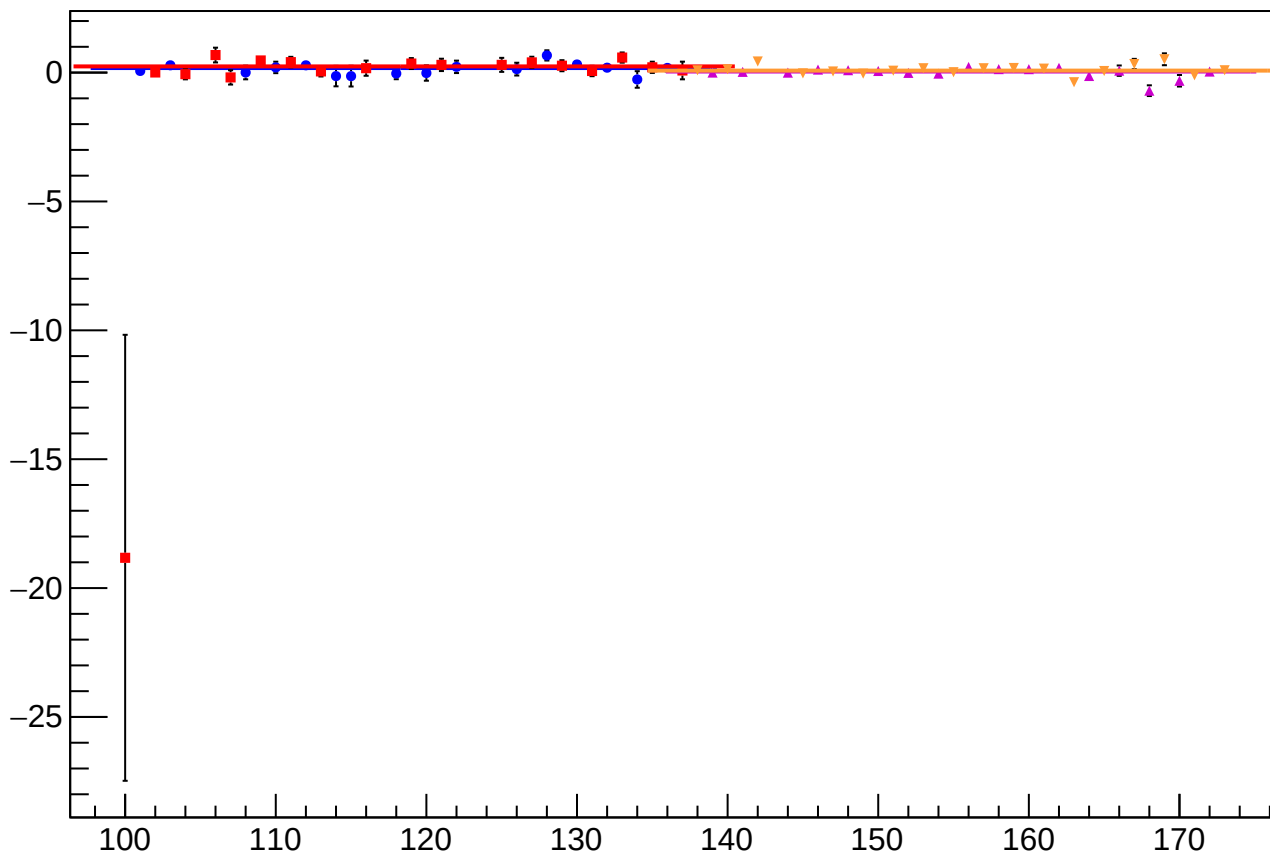
Right: -0.023 ± 0.020 χ^2/NDF : 39.7/33

In: -0.031 ± 0.017 χ^2/NDF : 37.7/32

Out: -0.067 ± 0.017 χ^2/NDF : 48.8/35

All: -0.049 ± 0.012 χ^2/NDF : 88.6/68

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 $\pm$ 0.053 χ^2 /NDF: 13.0/15

Left Out: 0.076 $\pm$ 0.028 χ^2 /NDF: 27.0/17

Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 21.6/17

Left In: 0.041 $\pm$ 0.029 χ^2 /NDF: 23.6/16

Left: 0.059 $\pm$ 0.020 χ^2 /NDF: 51.4/34

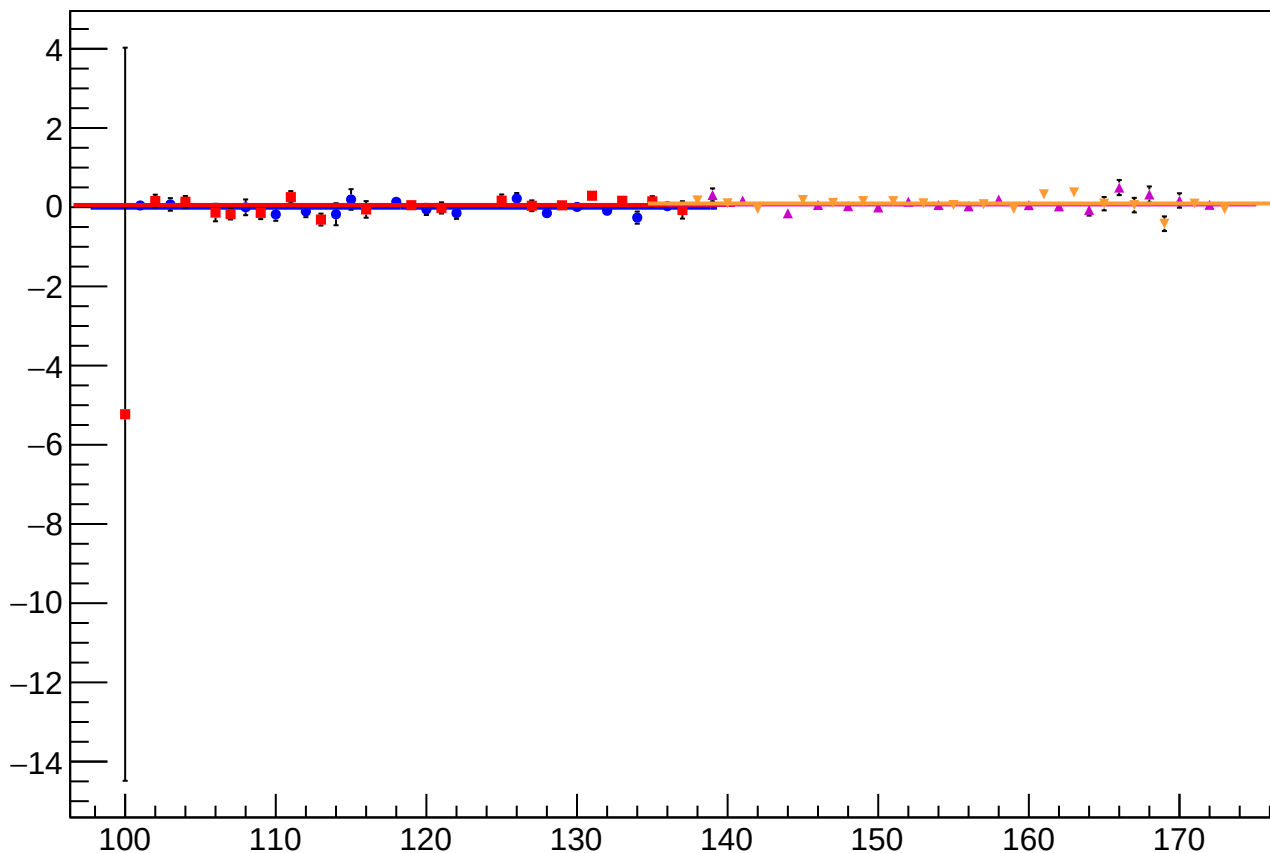
Right: 0.207 $\pm$ 0.038 χ^2 /NDF: 35.3/33

In: 0.072 $\pm$ 0.025 χ^2 /NDF: 41.7/32

Out: 0.112 $\pm$ 0.025 χ^2 /NDF: 55.8/35

All: 0.092 $\pm$ 0.018 χ^2 /NDF: 98.7/68

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.094 ± 0.024 χ^2/NDF : 25.2/17

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

Left In: 0.070 ± 0.024 χ^2/NDF : 21.7/16

Left: 0.082 ± 0.017 χ^2/NDF : 47.3/34

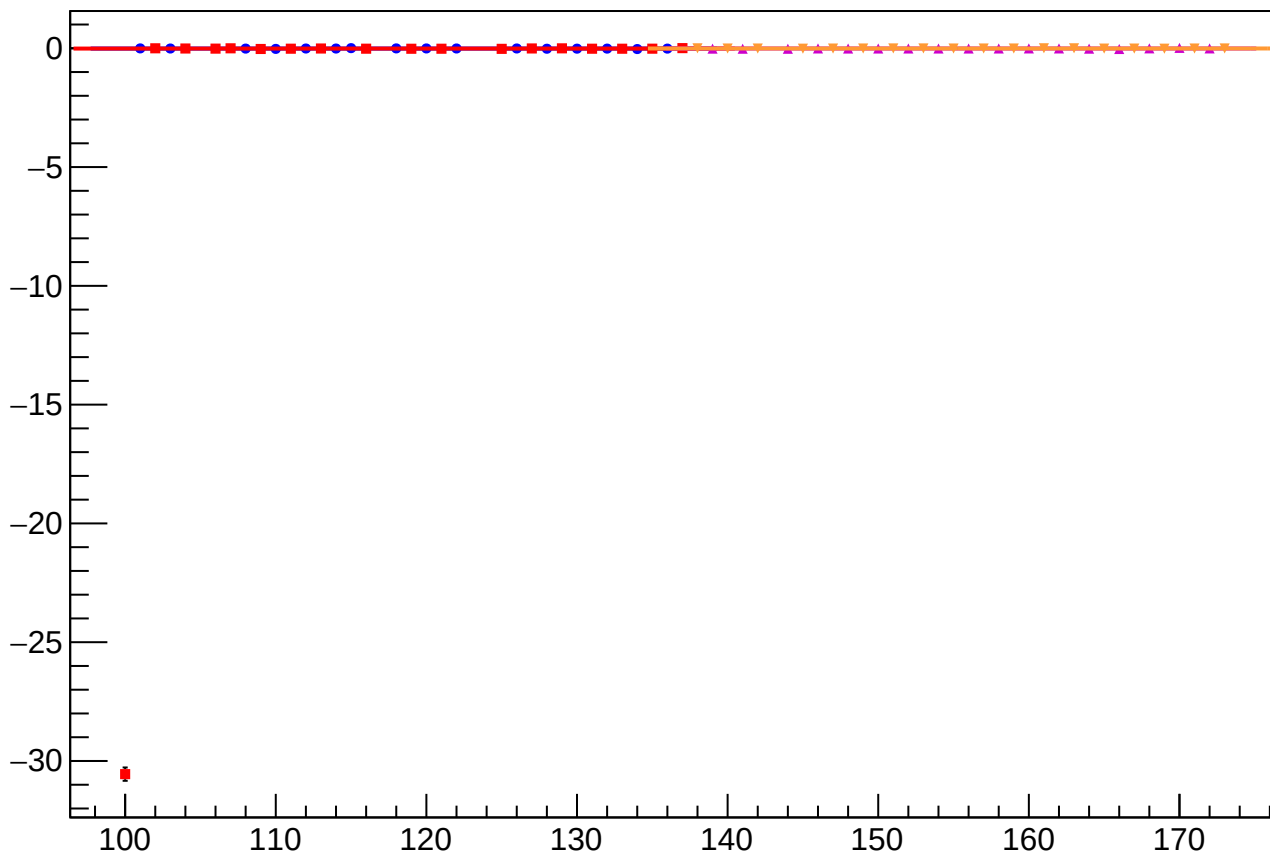
Right: 0.021 ± 0.024 χ^2/NDF : 36.2/33

In: 0.041 ± 0.020 χ^2/NDF : 39.4/32

Out: 0.082 ± 0.019 χ^2/NDF : 46.3/35

All: 0.061 ± 0.014 χ^2/NDF : 87.9/68

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012 ± 0.002 χ^2/NDF : 12.8/15

Left Out: -0.008 ± 0.001 χ^2/NDF : 13.8/17

Right Out: -0.012 ± 0.002 χ^2/NDF : 11891.4/17

Left In: -0.010 ± 0.001 χ^2/NDF : 30.2/16

Left: -0.009 ± 0.001 χ^2/NDF : 44.7/34

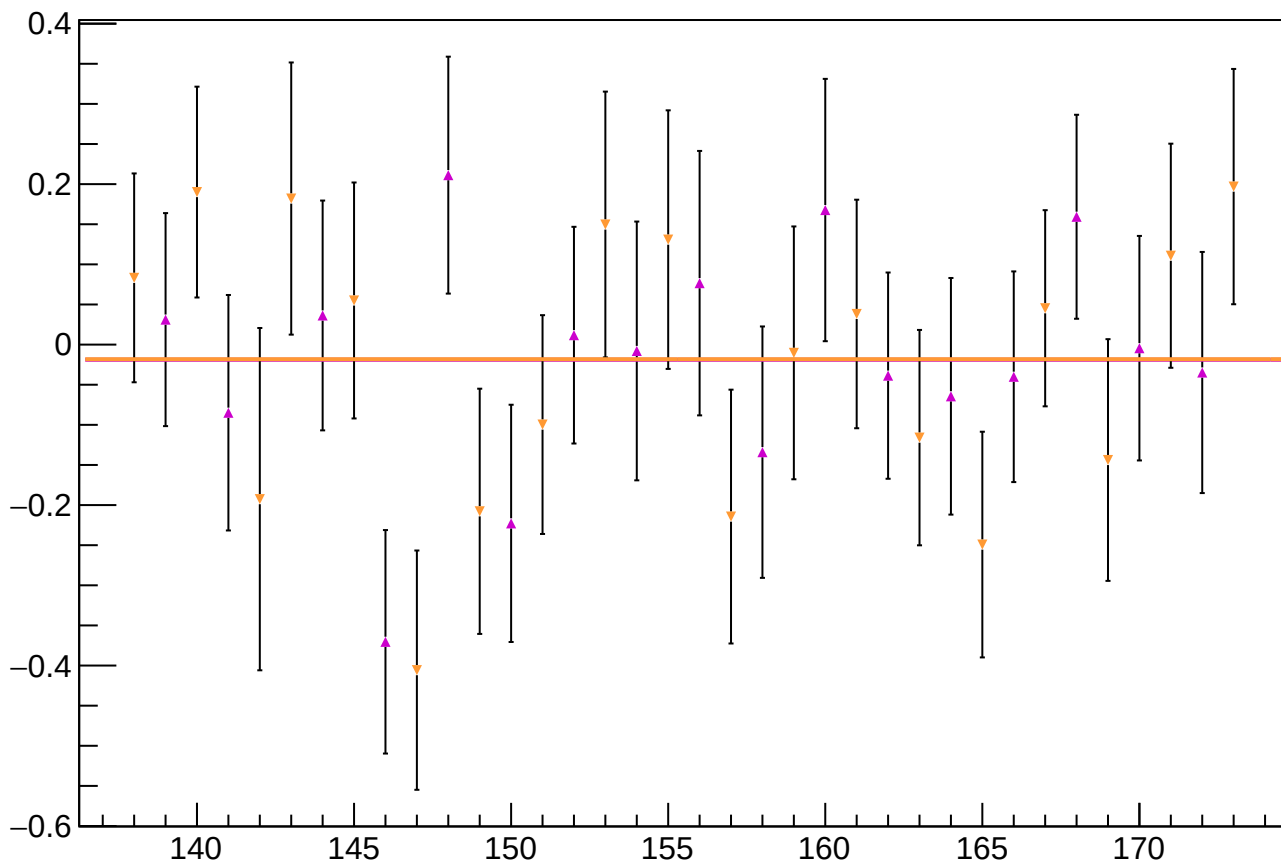
Right: -0.012 ± 0.001 χ^2/NDF : 11904.1/33

In: -0.010 ± 0.001 χ^2/NDF : 43.9/32

Out: -0.009 ± 0.001 χ^2/NDF : 11908.1/35

All: -0.010 ± 0.001 χ^2/NDF : 11952.6/68

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.018 $\pm$ 0.034 χ^2 /NDF:24.9/18

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

Left In: -0.019 $\pm$ 0.035 χ^2 /NDF:15.6/16

Left: -0.019 $\pm$ 0.024 χ^2 /NDF: 40.4/35

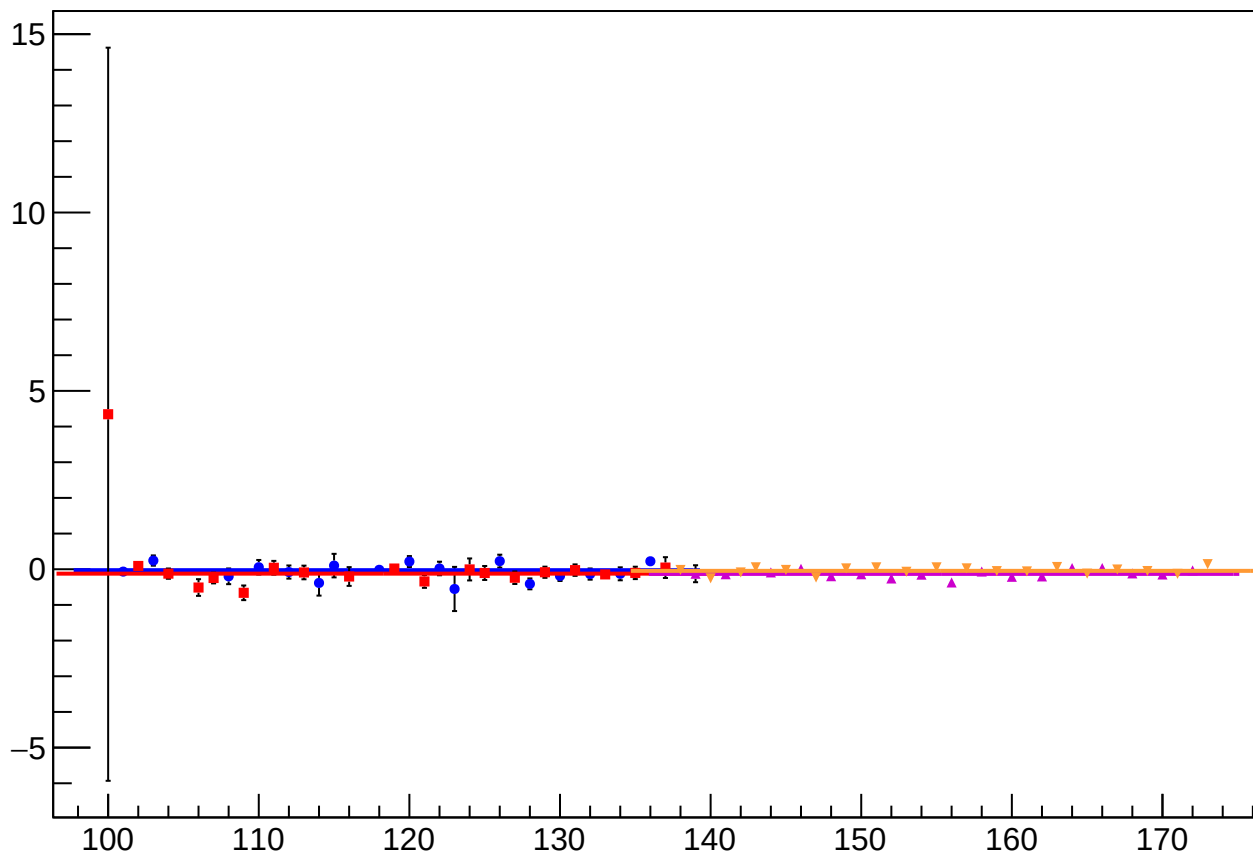
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.019 $\pm$ 0.035 χ^2 /NDF:15.6/16

Out: -0.018 $\pm$ 0.034 χ^2 /NDF:24.9/18

All: -0.019 $\pm$ 0.024 χ^2 /NDF: 40.4/35

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 $\chi^2/\text{NDF}: 22.7/16$

Left Out: -0.045 ± 0.024 $\chi^2/\text{NDF}: 19.9/18$

Right Out: -0.124 ± 0.039 $\chi^2/\text{NDF}: 18.3/18$

Left In: -0.130 ± 0.025 $\chi^2/\text{NDF}: 15.8/16$

Left: -0.086 ± 0.017 $\chi^2/\text{NDF}: 41.7/35$

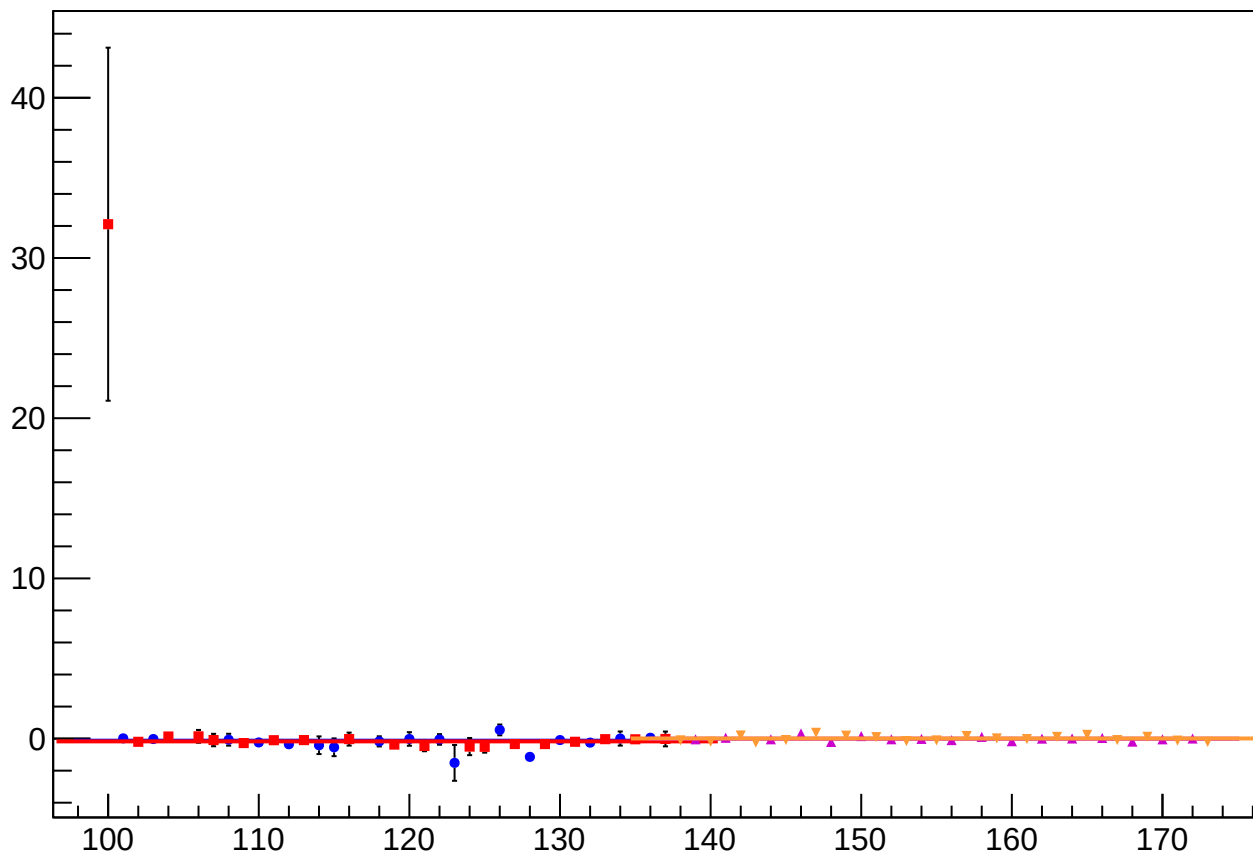
Right: -0.072 ± 0.027 $\chi^2/\text{NDF}: 44.3/35$

In: -0.097 ± 0.021 $\chi^2/\text{NDF}: 44.0/33$

Out: -0.067 ± 0.021 $\chi^2/\text{NDF}: 41.1/37$

All: -0.081 ± 0.015 $\chi^2/\text{NDF}: 86.2/71$

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 χ^2/NDF : 23.1/16

Left Out: 0.009 ± 0.033 χ^2/NDF : 24.5/18

Right Out: -0.172 ± 0.071 χ^2/NDF : 14.9/18

Left In: -0.006 ± 0.034 χ^2/NDF : 14.2/16

Left: 0.002 ± 0.024 χ^2/NDF : 38.8/35

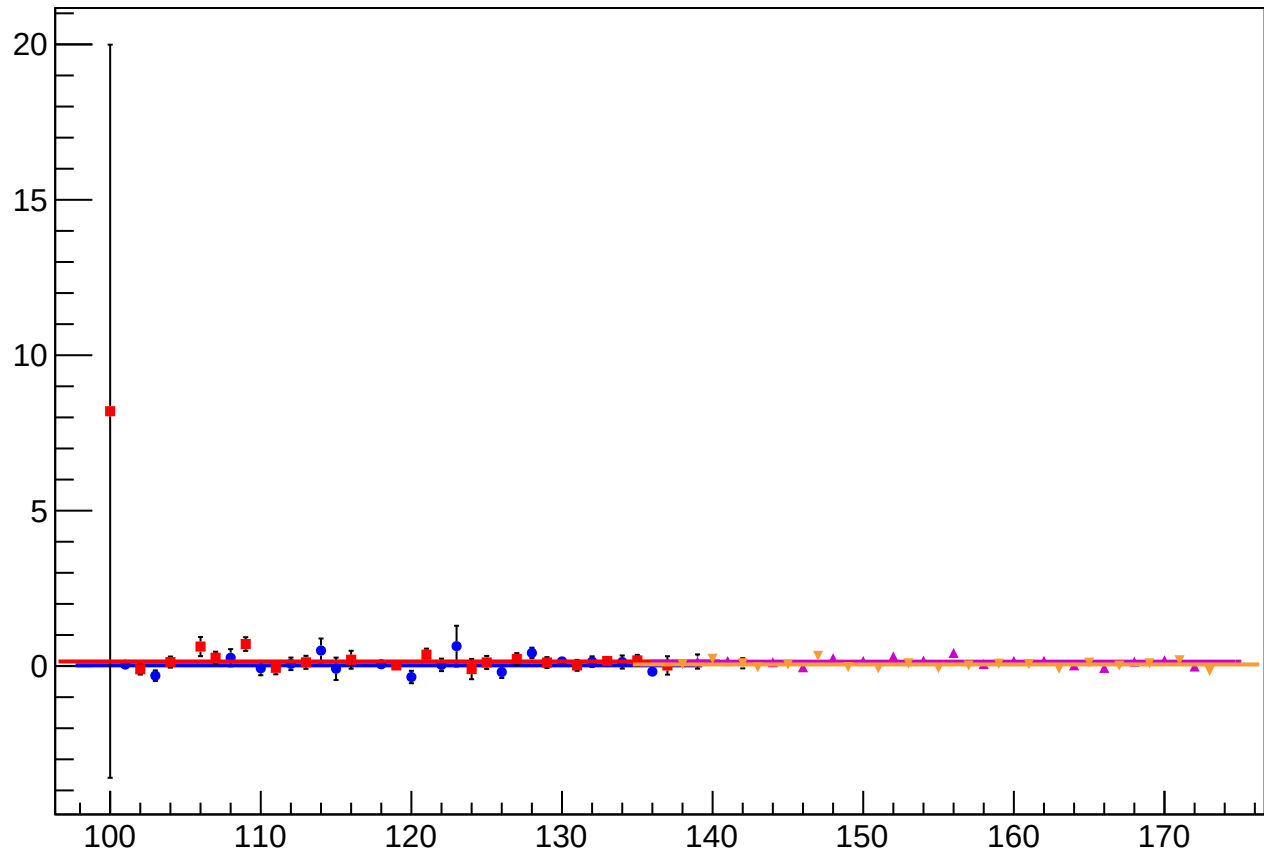
Right: -0.150 ± 0.049 χ^2/NDF : 38.2/35

In: -0.032 ± 0.030 χ^2/NDF : 40.0/33

Out: -0.024 ± 0.030 χ^2/NDF : 44.7/37

All: -0.028 ± 0.021 χ^2/NDF : 84.7/71

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023+/-0.043 χ^2/NDF : 21.3/16

Left Out: 0.053+/-0.028 χ^2/NDF :19.7/18

Right Out: 0.148+/-0.045 χ^2/NDF : 16.6/18

Left In: 0.142+/-0.029 χ^2/NDF :16.4/16

Left: 0.095+/-0.020 χ^2/NDF : 41.0/35

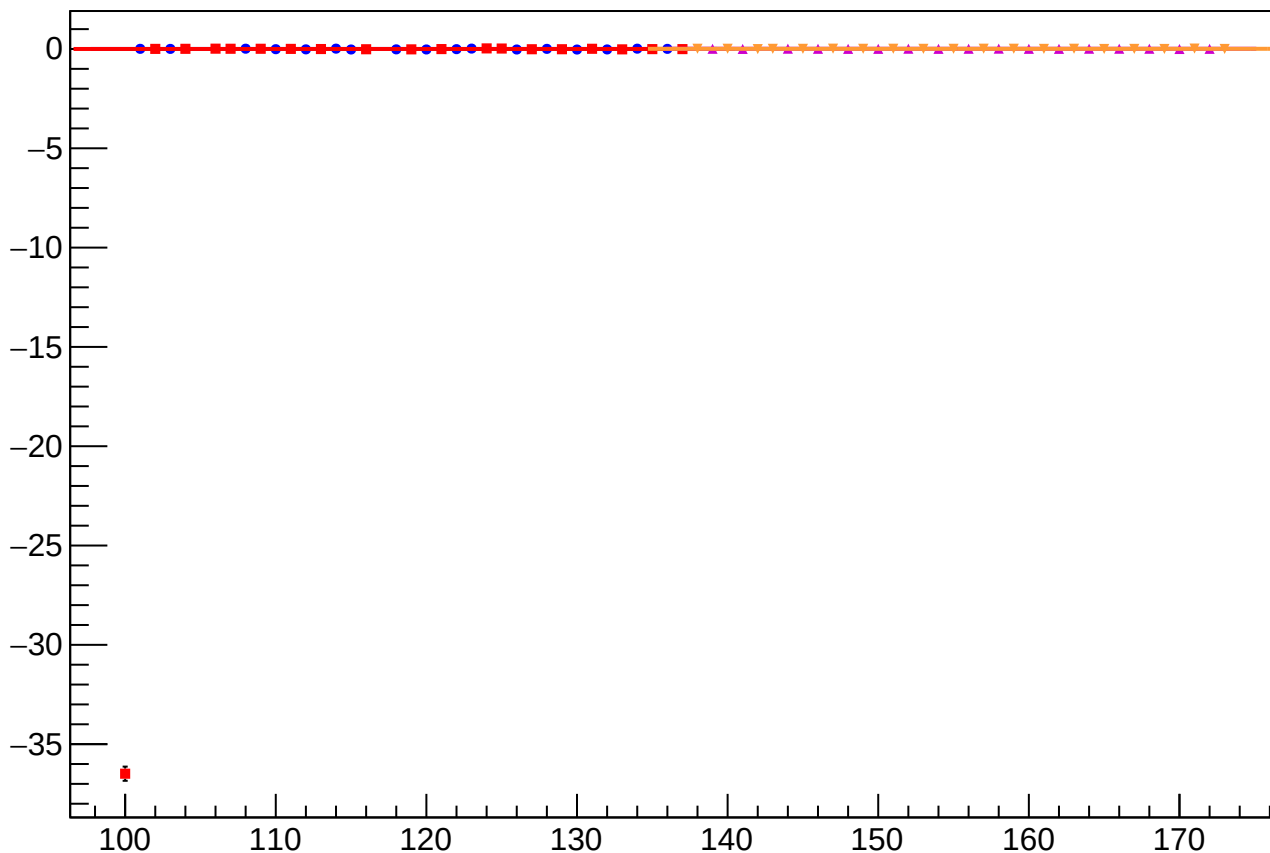
Right: 0.082+/-0.031 χ^2/NDF : 41.9/35

In: 0.104+/-0.024 χ^2/NDF :43.1/33

Out: 0.079+/-0.024 χ^2/NDF :39.5/37

All: 0.091+/-0.017 χ^2/NDF : 83.1/71

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.009 $\pm$ 0.001 χ^2 /NDF:18.7/18

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.010 $\pm$ 0.001 χ^2 /NDF:9.7/16

Left: 0.010 $\pm$ 0.001 χ^2 /NDF: 28.6/35

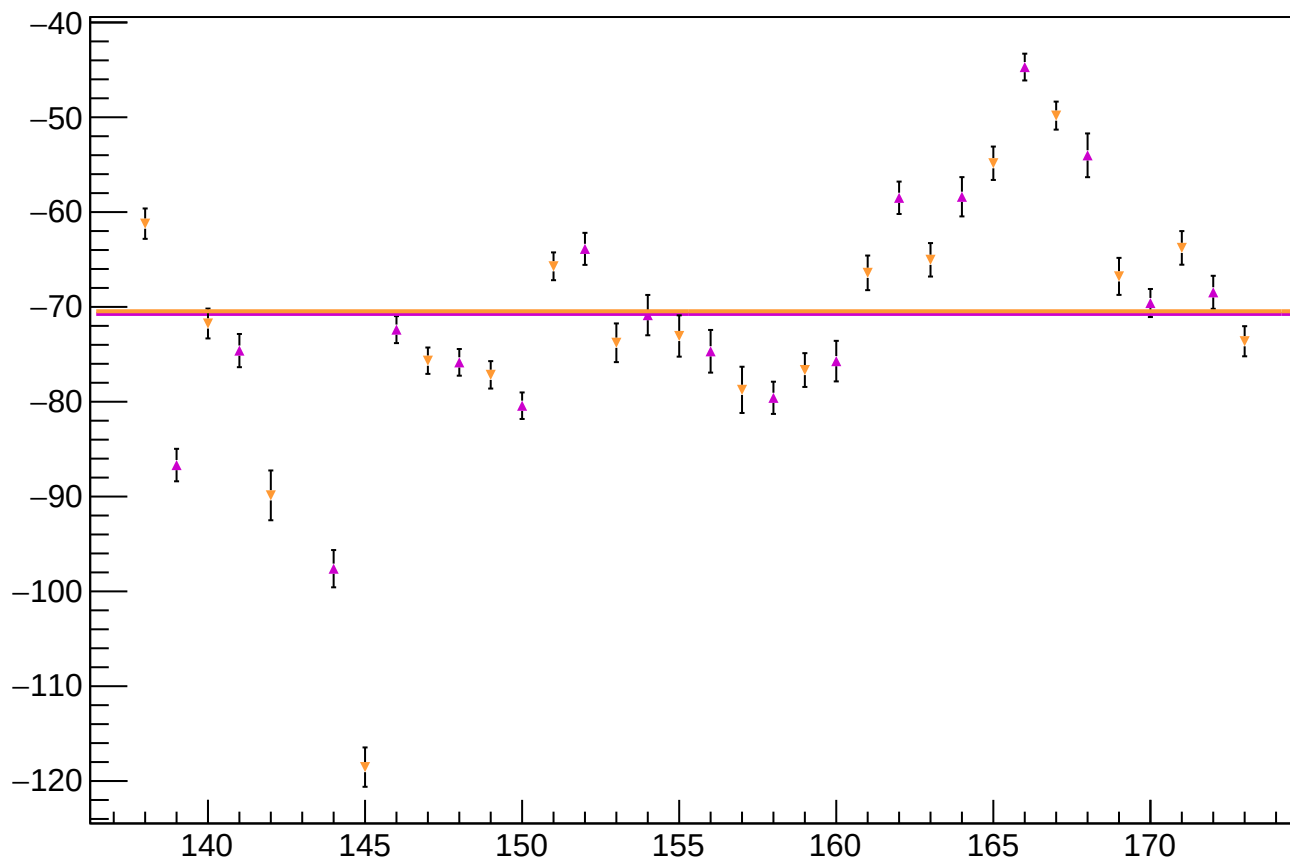
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10479.7/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF:52.1/33

Out: 0.007 $\pm$ 0.001 χ^2 /NDF:10478.4/37

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10530.6/71

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -70.458+/-0.410 χ^2/NDF :1008.7/17

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

Left In: -70.739+/-0.414 χ^2/NDF :874.4/16

Left: -70.597+/-0.292 χ^2/NDF : 1883.3/34

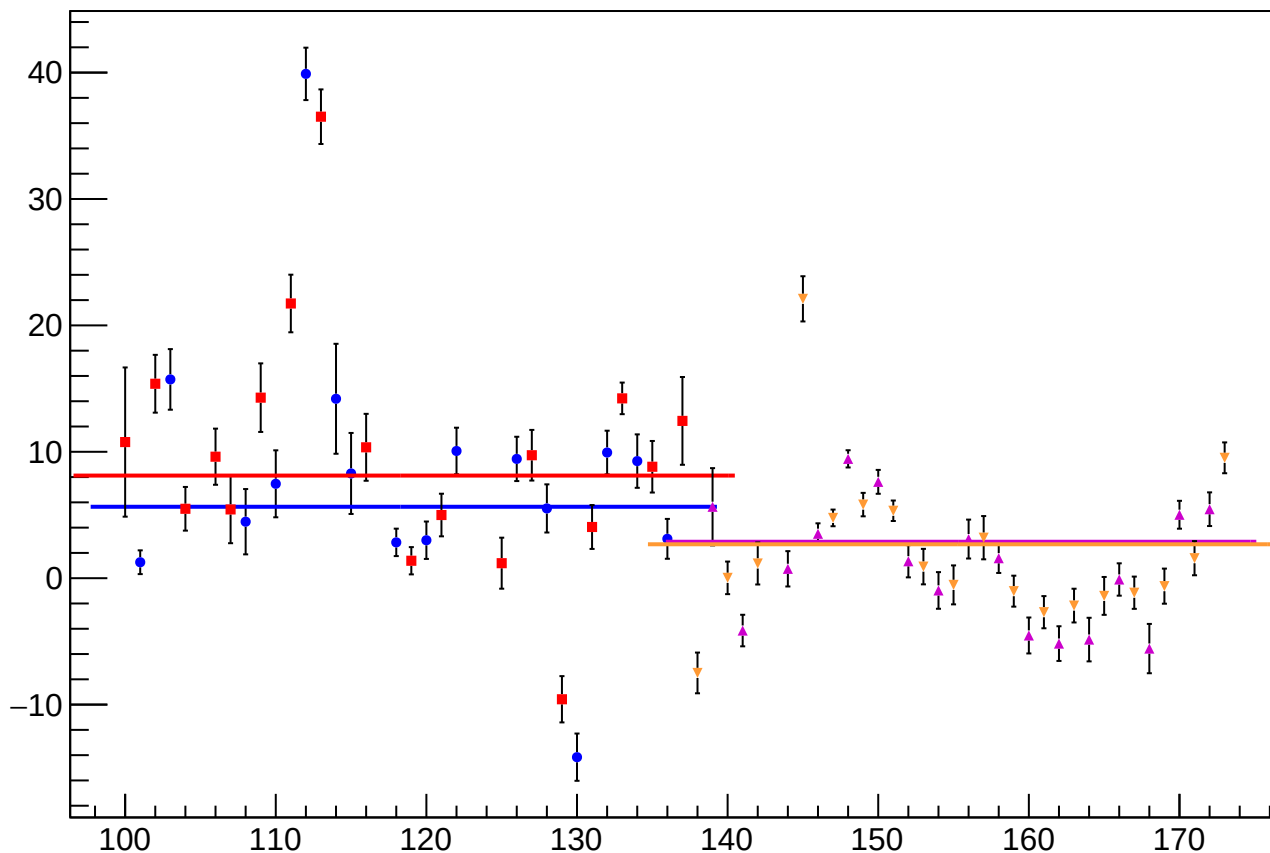
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -70.739+/-0.414 χ^2/NDF :874.4/16

Out: -70.458+/-0.410 χ^2/NDF :1008.7/17

All: -70.597+/-0.292 χ^2/NDF : 1883.3/34

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 ± 0.429 $\chi^2/\text{NDF}: 461.9/15$

Left Out: 2.684 ± 0.282 $\chi^2/\text{NDF}: 295.5/17$

Right Out: 8.119 ± 0.453 $\chi^2/\text{NDF}: 407.9/17$

Left In: 2.883 ± 0.290 $\chi^2/\text{NDF}: 276.4/16$

Left: 2.781 ± 0.202 $\chi^2/\text{NDF}: 572.2/34$

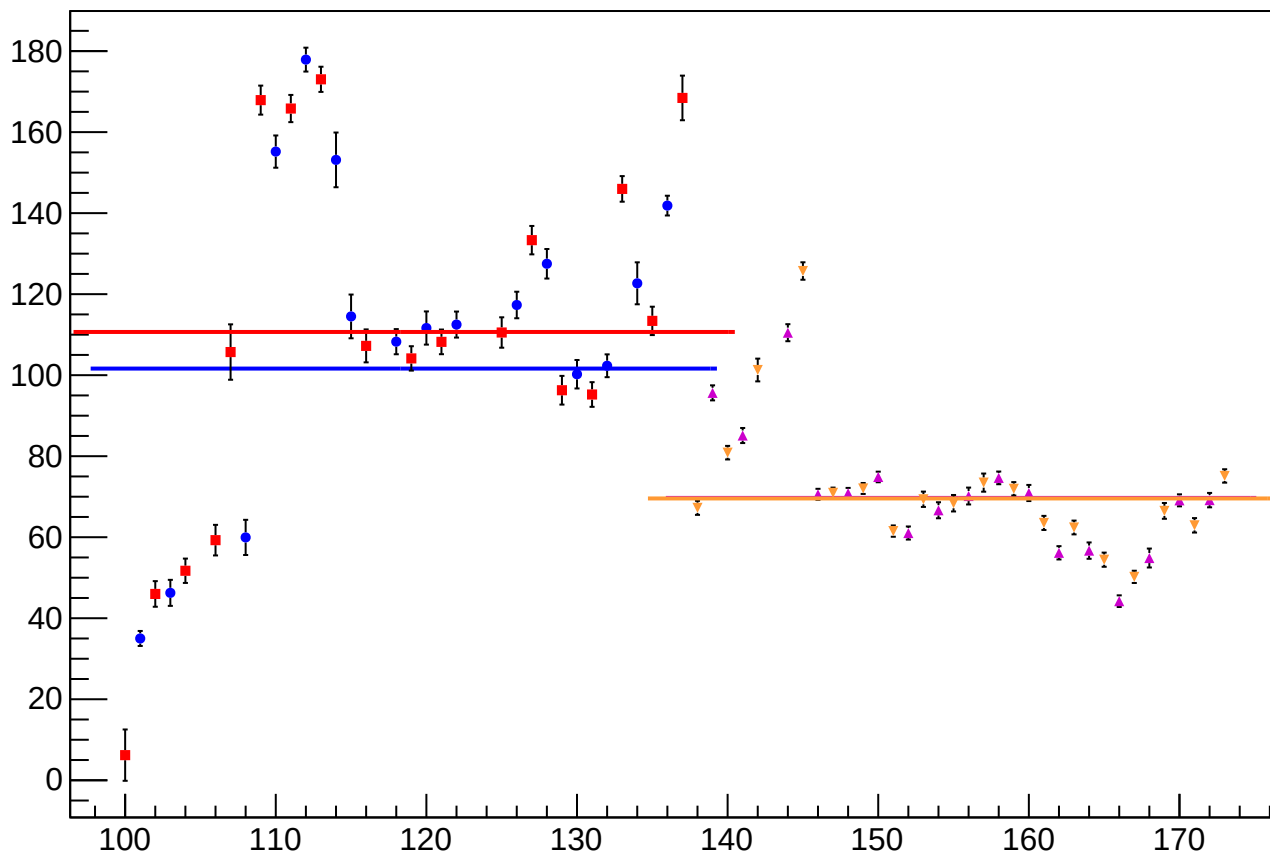
Right: 6.819 ± 0.311 $\chi^2/\text{NDF}: 885.4/33$

In: 3.752 ± 0.240 $\chi^2/\text{NDF}: 766.8/32$

Out: 4.205 ± 0.239 $\chi^2/\text{NDF}: 807.3/35$

All: 3.979 ± 0.170 $\chi^2/\text{NDF}: 1575.9/68$

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Left: 69.634 $\pm$ 0.286 χ^2/NDF : 2355.0/34

Right: 106.018 $\pm$ 0.583 χ^2/NDF : 5554.3/33

In: 76.070 $\pm$ 0.363 χ^2/NDF : 5379.9/32

Out: 77.326 $\pm$ 0.363 χ^2/NDF : 5667.2/35

All: 76.697 $\pm$ 0.257 χ^2/NDF : 11053.1/68

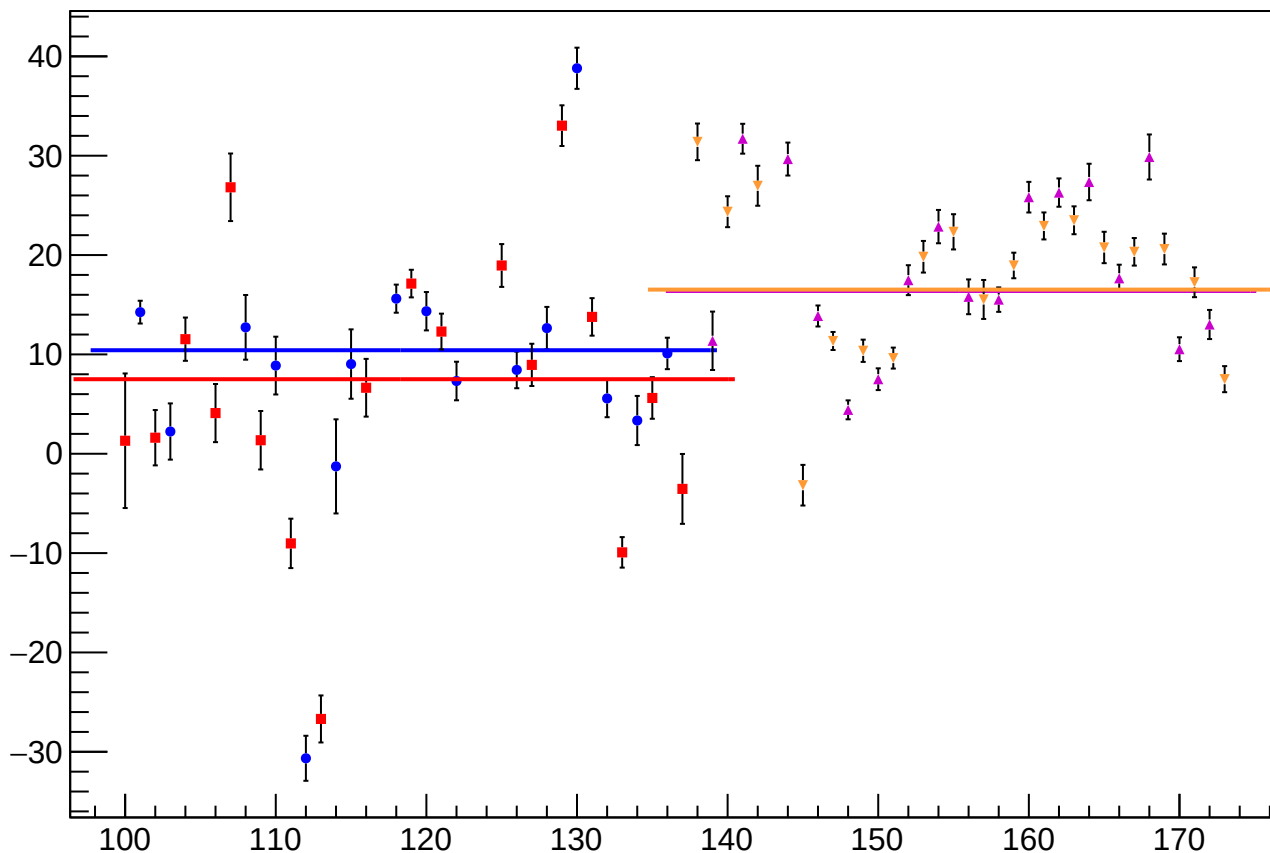
Right In: 101.630 $\pm$ 0.812 χ^2/NDF : 2980.2/15

Left Out: 69.568 $\pm$ 0.403 χ^2/NDF : 1192.8/17

Right Out: 110.669 $\pm$ 0.836 χ^2/NDF : 2514.0/17

Left In: 69.702 $\pm$ 0.405 χ^2/NDF : 1162.2/16

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 $\pm$ 0.497 χ^2 /NDF: 579.7/15

Left Out: 16.521 $\pm$ 0.332 χ^2 /NDF:450.1/17

Right Out: 7.502 $\pm$ 0.523 χ^2 /NDF: 689.4/17

Left In: 16.382 $\pm$ 0.340 χ^2 /NDF:602.7/16

Left: 16.453 $\pm$ 0.238 χ^2 /NDF: 1052.9/34

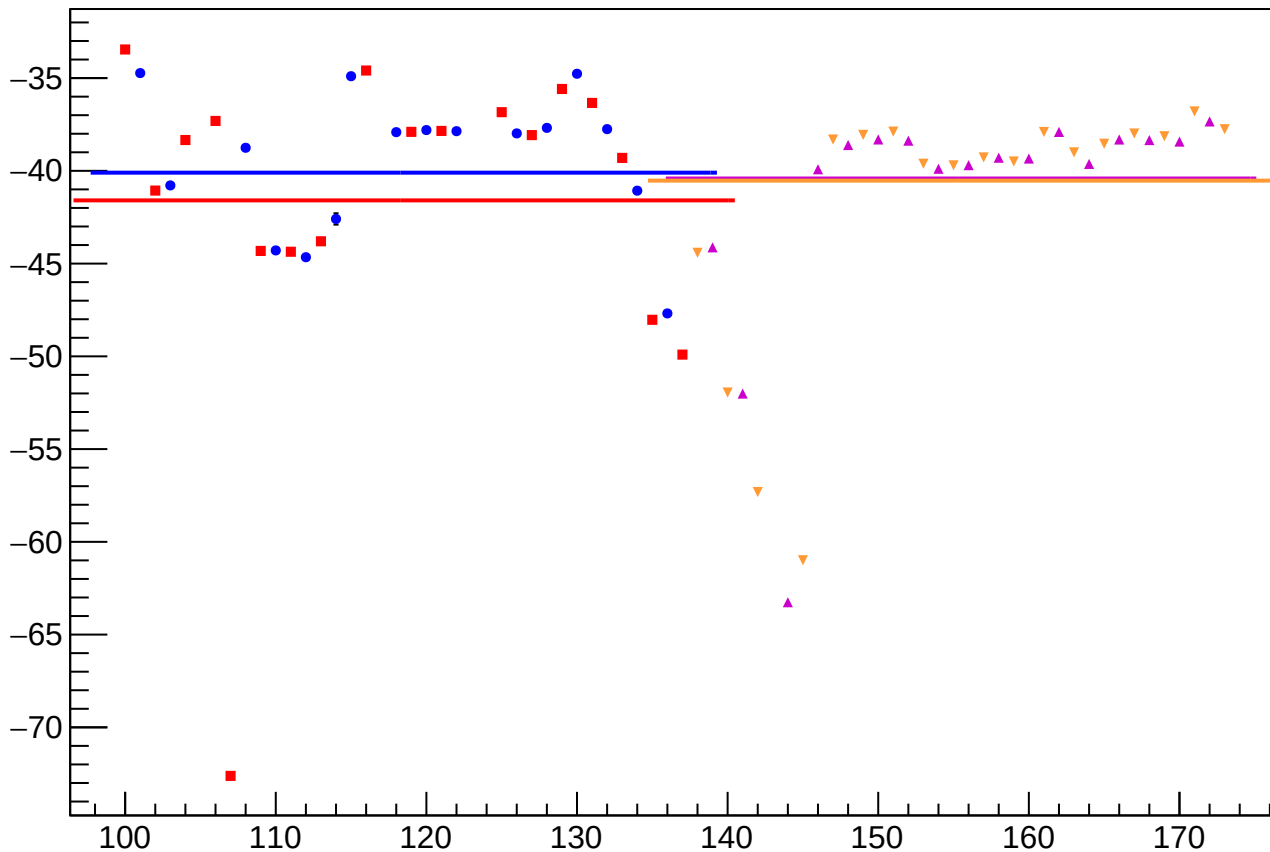
Right: 9.035 $\pm$ 0.360 χ^2 /NDF: 1285.5/33

In: 14.480 $\pm$ 0.281 χ^2 /NDF:1280.3/32

Out: 13.935 $\pm$ 0.280 χ^2 /NDF:1351.4/35

All: 14.207 $\pm$ 0.198 χ^2 /NDF: 2633.6/68

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -40.528 ± 0.016 χ^2/NDF : 124280.7/17

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

Left In: -40.414 ± 0.016 χ^2/NDF : 99562.3/16

Left: -40.471 ± 0.011 χ^2/NDF : 223868.2/34

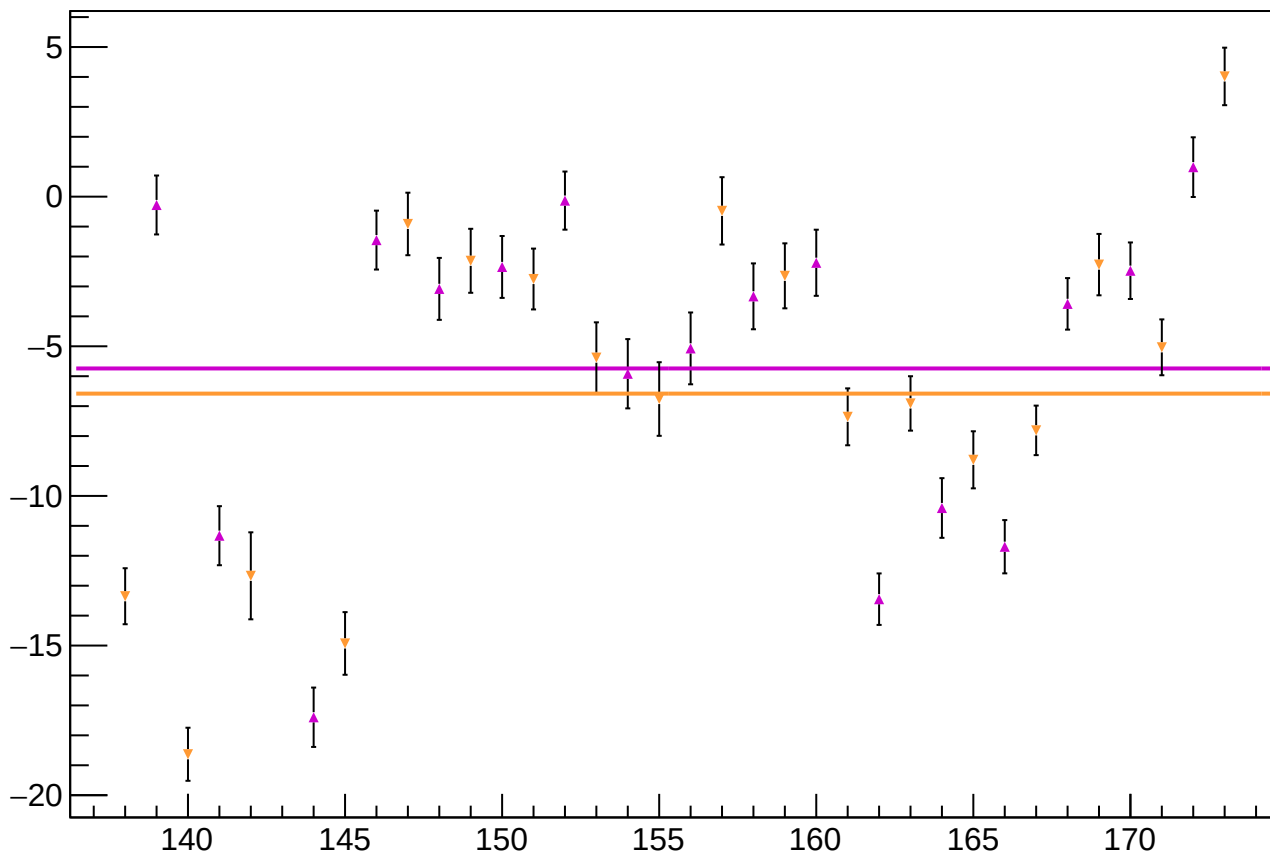
Right: -40.838 ± 0.020 χ^2/NDF : 88129.3/33

In: -40.338 ± 0.014 χ^2/NDF : 124730.3/32

Out: -40.779 ± 0.014 χ^2/NDF : 187017.4/35

All: -40.559 ± 0.010 χ^2/NDF : 312250.3/68

reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -6.582 $\pm$ 0.238 χ^2 /NDF:573.2/17

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

Left In: -5.741 $\pm$ 0.241 χ^2 /NDF:496.7/16

Left: -6.166 $\pm$ 0.169 χ^2 /NDF: 1076.1/34

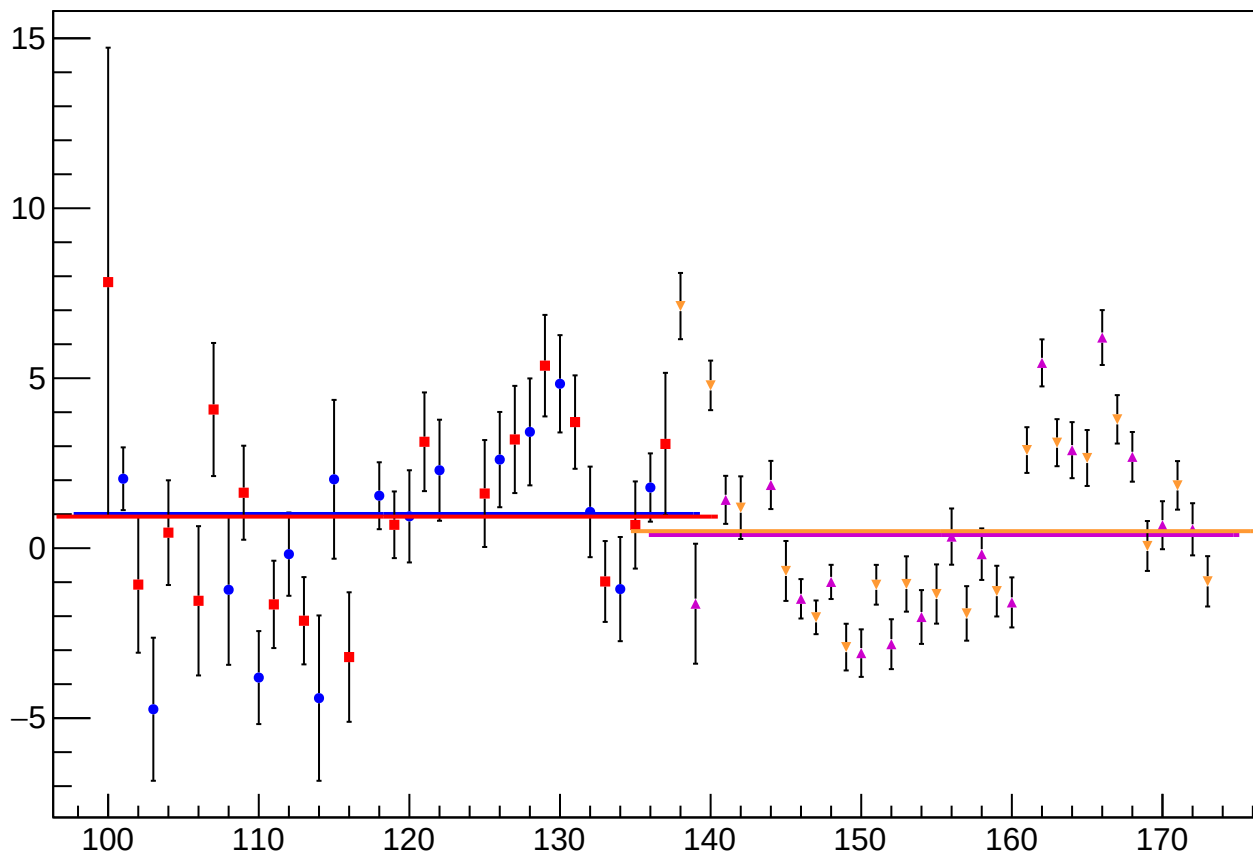
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -5.741 $\pm$ 0.241 χ^2 /NDF:496.7/16

Out: -6.582 $\pm$ 0.238 χ^2 /NDF:573.2/17

All: -6.166 $\pm$ 0.169 χ^2 /NDF: 1076.1/34

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: 0.501 ± 0.171 $\chi^2/\text{NDF}: 226.8/17$

Right Out: 0.929 ± 0.353 $\chi^2/\text{NDF}: 41.9/17$

Left In: 0.388 ± 0.176 $\chi^2/\text{NDF}: 211.4/16$

Left: 0.446 ± 0.123 $\chi^2/\text{NDF}: 438.4/34$

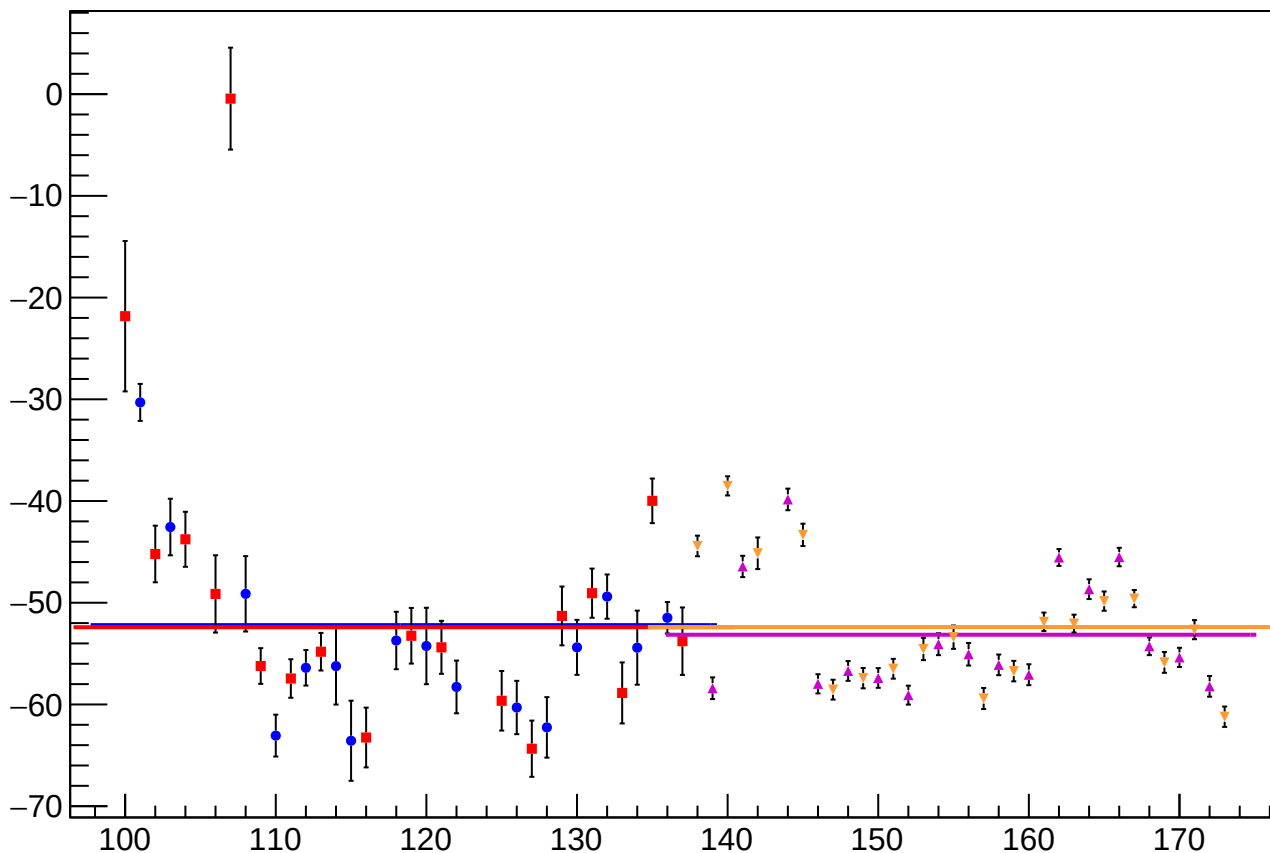
Right: 0.969 ± 0.246 $\chi^2/\text{NDF}: 84.6/33$

In: 0.517 ± 0.156 $\chi^2/\text{NDF}: 256.7/32$

Out: 0.582 ± 0.154 $\chi^2/\text{NDF}: 269.9/35$

All: 0.550 ± 0.110 $\chi^2/\text{NDF}: 526.7/68$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



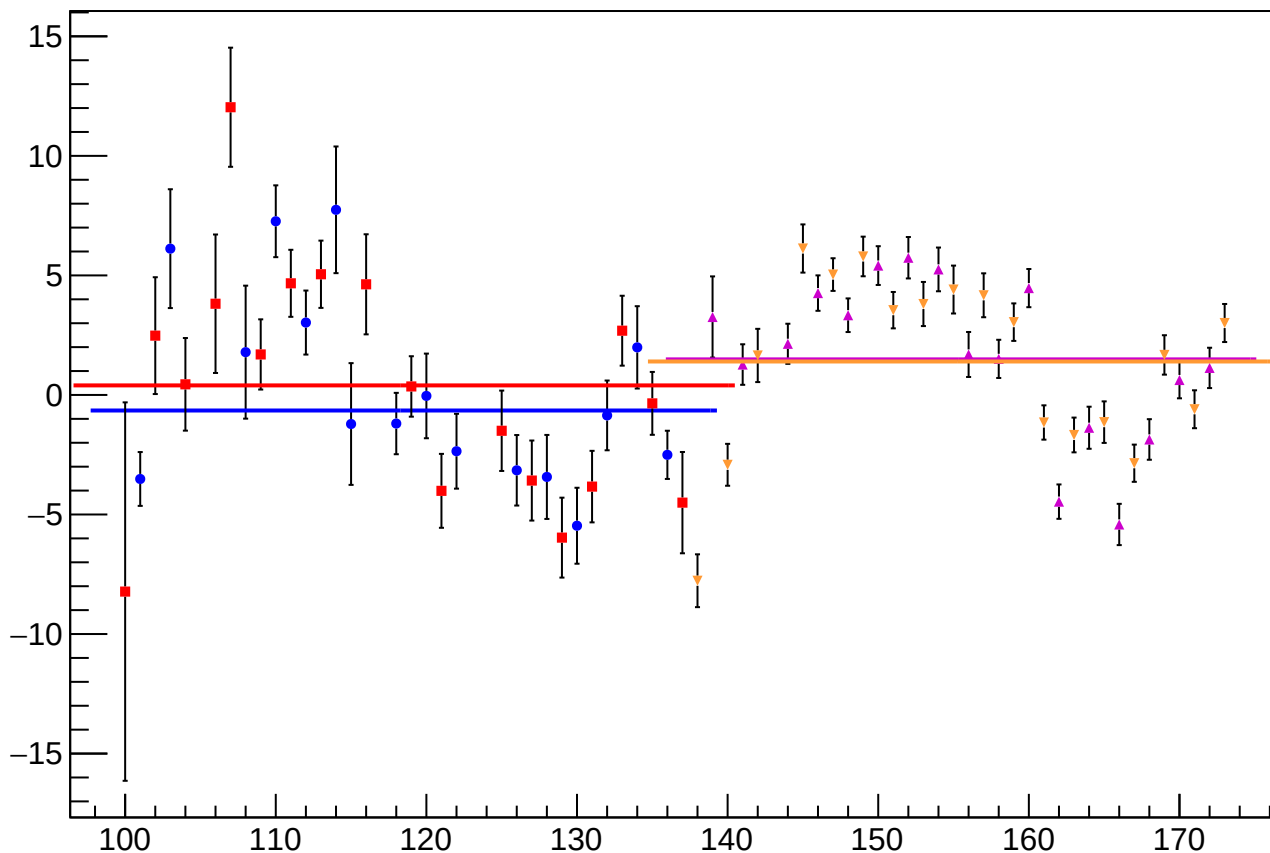
Right In: -52.200 ± 0.615 χ^2/NDF : 230.6/15
 Left Out: -52.389 ± 0.235 χ^2/NDF : 627.0/17
 Right Out: -52.407 ± 0.616 χ^2/NDF : 233.9/17
 Left In: -53.146 ± 0.237 χ^2/NDF : 557.5/16

Left: -52.765 ± 0.167 χ^2/NDF : 1189.6/34
 Right: -52.303 ± 0.435 χ^2/NDF : 464.6/33

In: -53.024 ± 0.221 χ^2/NDF : 790.2/32
 Out: -52.391 ± 0.220 χ^2/NDF : 860.9/35

All: -52.706 ± 0.156 χ^2/NDF : 1655.2/68

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 1.400 ± 0.197 χ^2/NDF : 288.4/17

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

Left In: 1.488 ± 0.203 χ^2/NDF : 261.1/16

Left: 1.443 ± 0.141 χ^2/NDF : 549.6/34

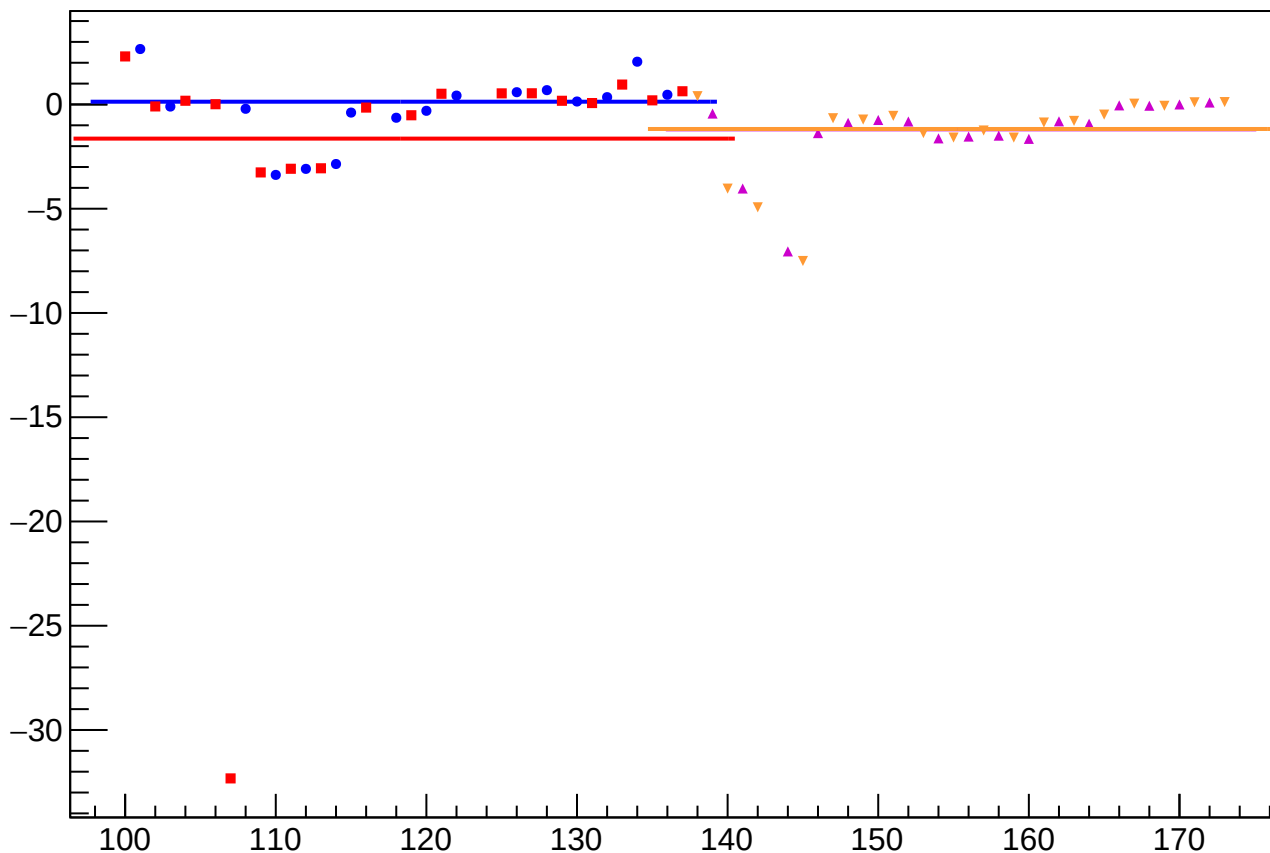
Right: -0.142 ± 0.278 χ^2/NDF : 181.4/33

In: 1.028 ± 0.179 χ^2/NDF : 367.0/32

Out: 1.204 ± 0.177 χ^2/NDF : 389.3/35

All: 1.117 ± 0.126 χ^2/NDF : 756.8/68

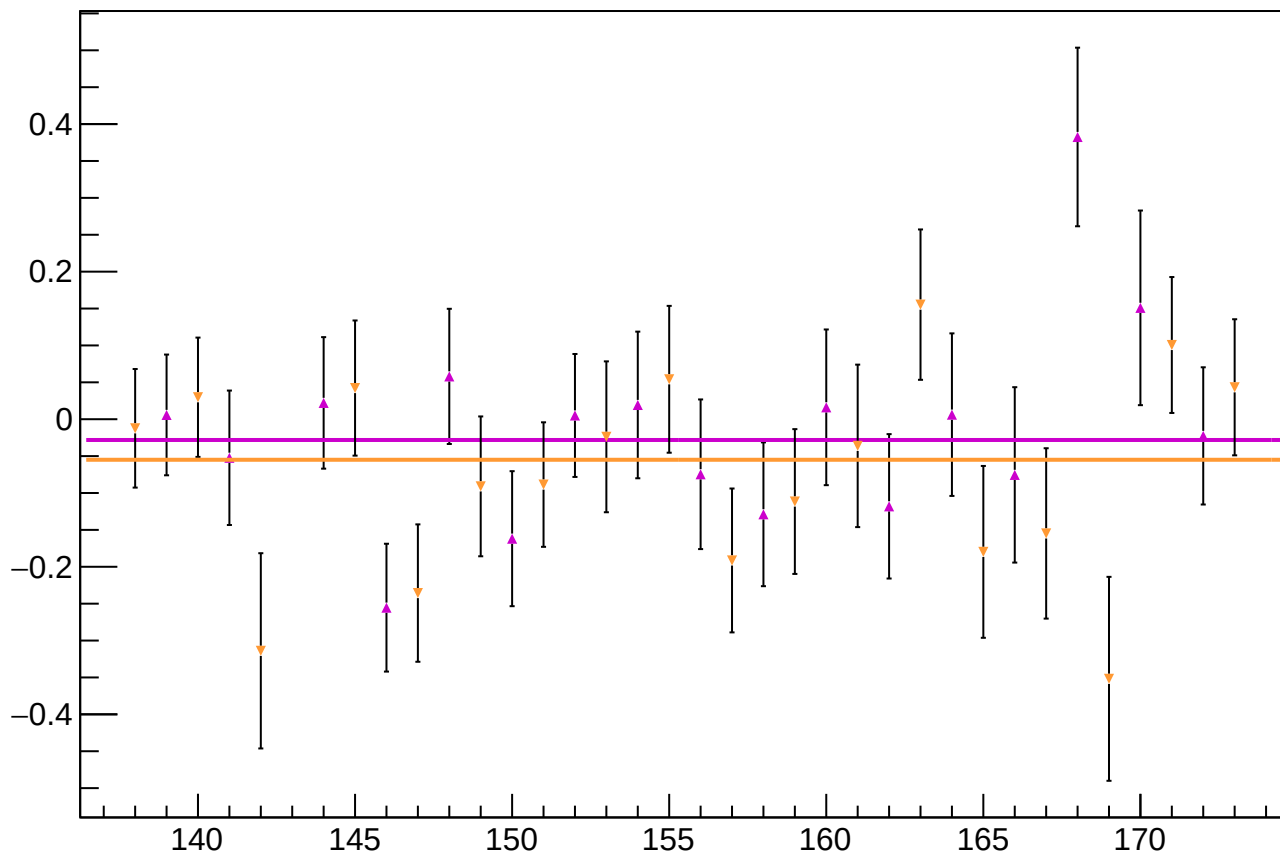
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$
 Left Out: -1.176 ± 0.009 $\chi^2/\text{NDF}: 37644.4/17$
 Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$
 Left In: -1.194 ± 0.009 $\chi^2/\text{NDF}: 26242.0/16$

Left: -1.185 ± 0.006 $\chi^2/\text{NDF}: 63888.2/34$
 Right: -0.742 ± 0.015 $\chi^2/\text{NDF}: 86422.1/33$
 In: -0.988 ± 0.008 $\chi^2/\text{NDF}: 34683.4/32$
 Out: -1.245 ± 0.008 $\chi^2/\text{NDF}: 115873.3/35$
 All: -1.118 ± 0.006 $\chi^2/\text{NDF}: 151017.7/68$

reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.055+/-0.023 χ^2/NDF : 28.8/17

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

Left In: -0.028+/-0.024 χ^2/NDF : 26.8/16

Left: -0.042+/-0.016 χ^2/NDF : 56.2/34

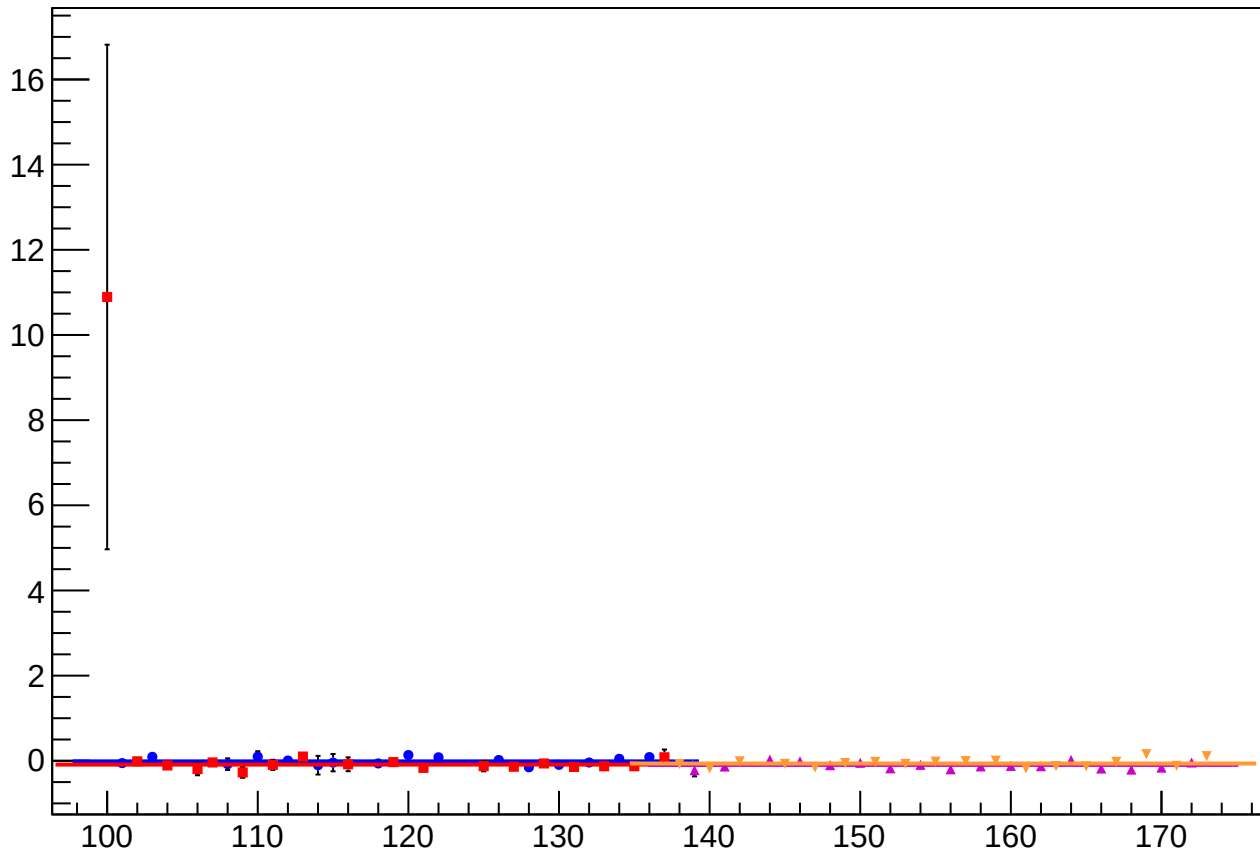
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -0.028+/-0.024 χ^2/NDF : 26.8/16

Out: -0.055+/-0.023 χ^2/NDF : 28.8/17

All: -0.042+/-0.016 χ^2/NDF : 56.2/34

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.023 χ^2/NDF : 11.7/15

Left Out: -0.064 ± 0.016 χ^2/NDF : 25.0/17

Right Out: -0.089 ± 0.025 χ^2/NDF : 13.0/17

Left In: -0.096 ± 0.017 χ^2/NDF : 17.0/16

Left: -0.079 ± 0.012 χ^2/NDF : 43.8/34

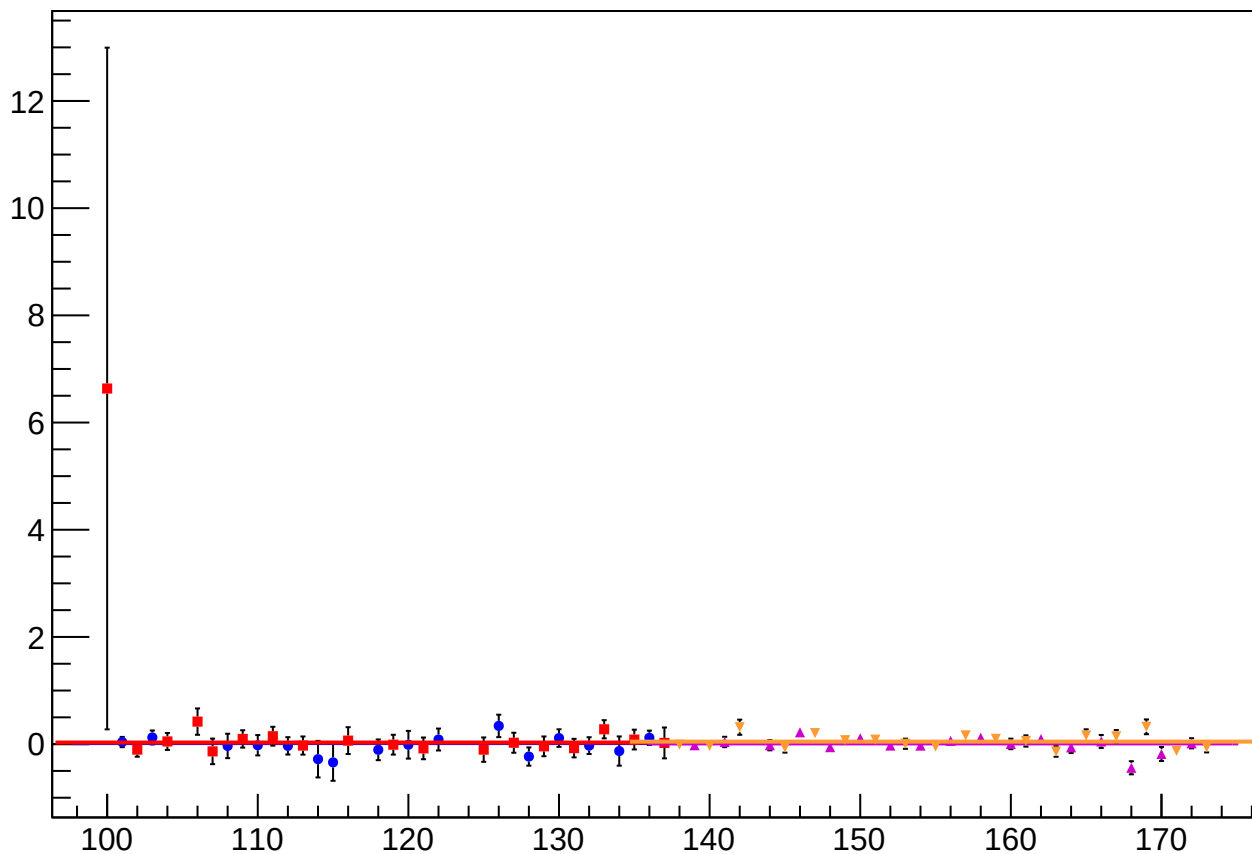
Right: -0.049 ± 0.017 χ^2/NDF : 29.6/33

In: -0.068 ± 0.014 χ^2/NDF : 36.9/32

Out: -0.072 ± 0.014 χ^2/NDF : 38.6/35

All: -0.070 ± 0.010 χ^2/NDF : 75.5/68

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020+/-0.043 χ^2/NDF : 9.1/15

Left Out: 0.047+/-0.023 χ^2/NDF : 26.7/17

Right Out: 0.030+/-0.045 χ^2/NDF : 9.2/17

Left In: 0.013+/-0.023 χ^2/NDF : 27.9/16

Left: 0.030+/-0.016 χ^2/NDF : 55.7/34

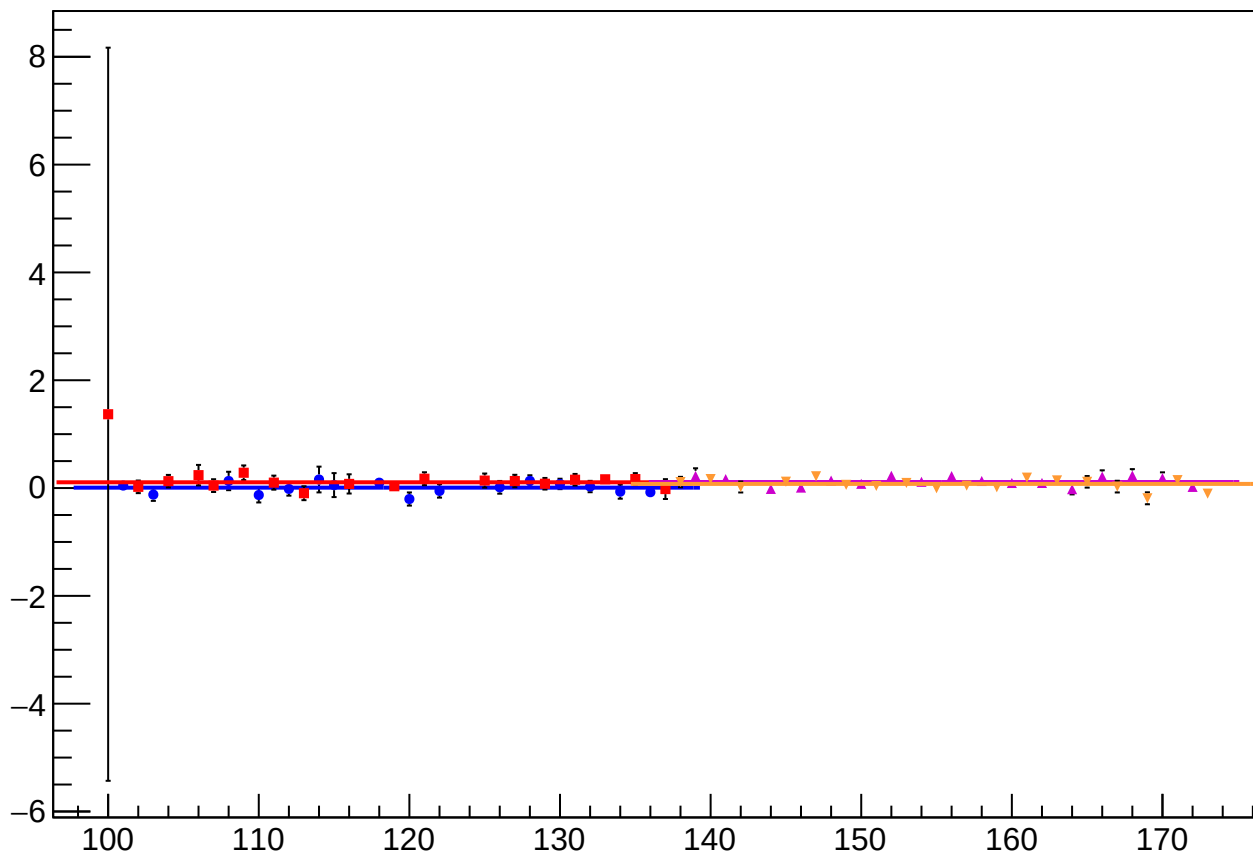
Right: 0.025+/-0.031 χ^2/NDF : 18.3/33

In: 0.015+/-0.020 χ^2/NDF : 37.0/32

Out: 0.043+/-0.020 χ^2/NDF : 36.1/35

All: 0.029+/-0.014 χ^2/NDF : 74.1/68

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2/NDF : 11.3/15

Left Out: 0.077 $\pm$ 0.019 χ^2/NDF :24.8/17

Right Out: 0.107 $\pm$ 0.029 χ^2/NDF : 8.2/17

Left In: 0.112 $\pm$ 0.020 χ^2/NDF :16.8/16

Left: 0.094 $\pm$ 0.014 χ^2/NDF : 43.2/34

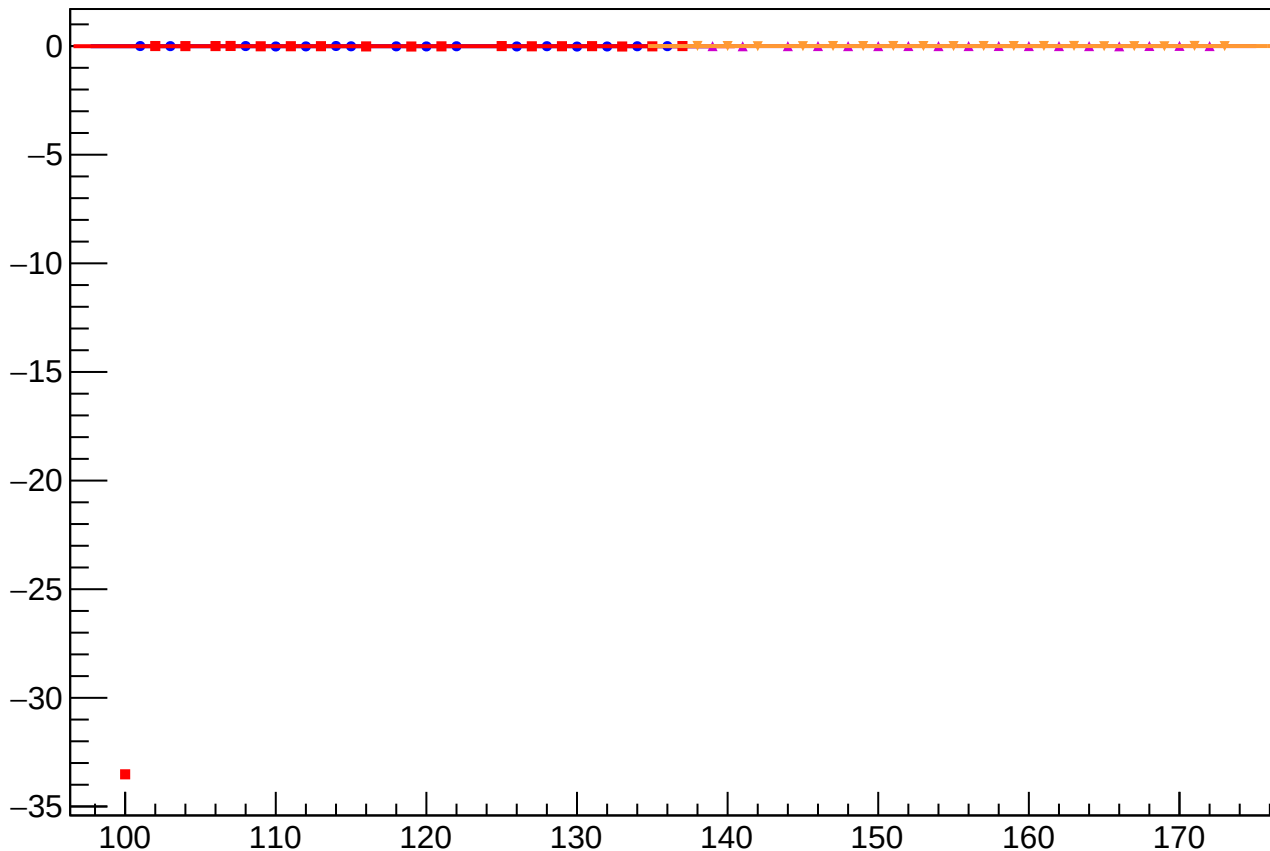
Right: 0.054 $\pm$ 0.020 χ^2/NDF : 25.8/33

In: 0.076 $\pm$ 0.016 χ^2/NDF :37.8/32

Out: 0.086 $\pm$ 0.016 χ^2/NDF :33.7/35

All: 0.081 $\pm$ 0.011 χ^2/NDF : 71.7/68

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Left: 0.001 ± 0.001 $\chi^2/\text{NDF}: 33.6/34$

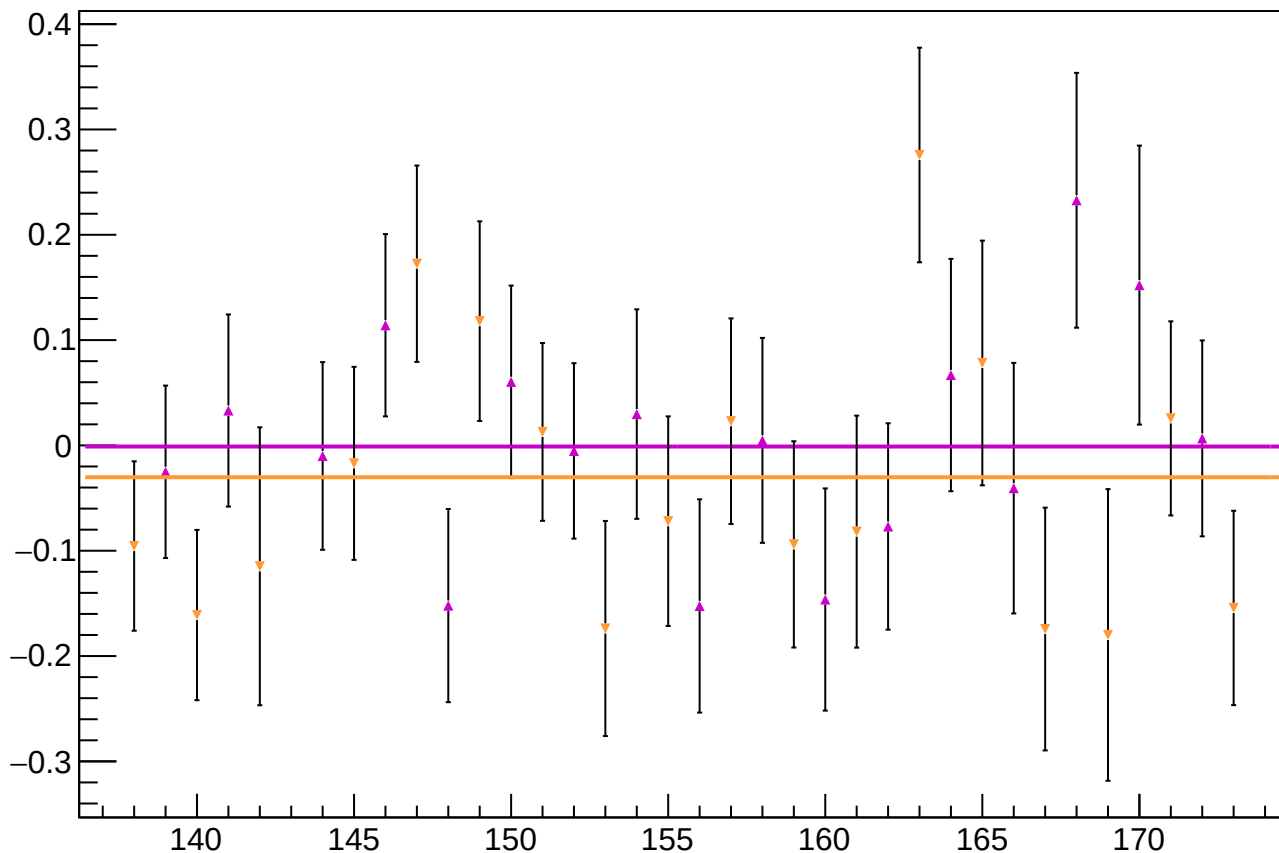
Right: -0.006 ± 0.001 $\chi^2/\text{NDF}: 26530.6/33$

In: -0.001 ± 0.001 $\chi^2/\text{NDF}: 48.4/32$

Out: -0.001 ± 0.001 $\chi^2/\text{NDF}: 26543.0/35$

All: -0.001 ± 0.001 $\chi^2/\text{NDF}: 26591.5/68$

reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -0.030 $\pm$ 0.023 χ^2 /NDF:29.0/17

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

Left In: -0.001 $\pm$ 0.024 χ^2 /NDF:15.6/16

Left: -0.016 $\pm$ 0.016 χ^2 /NDF: 45.4/34

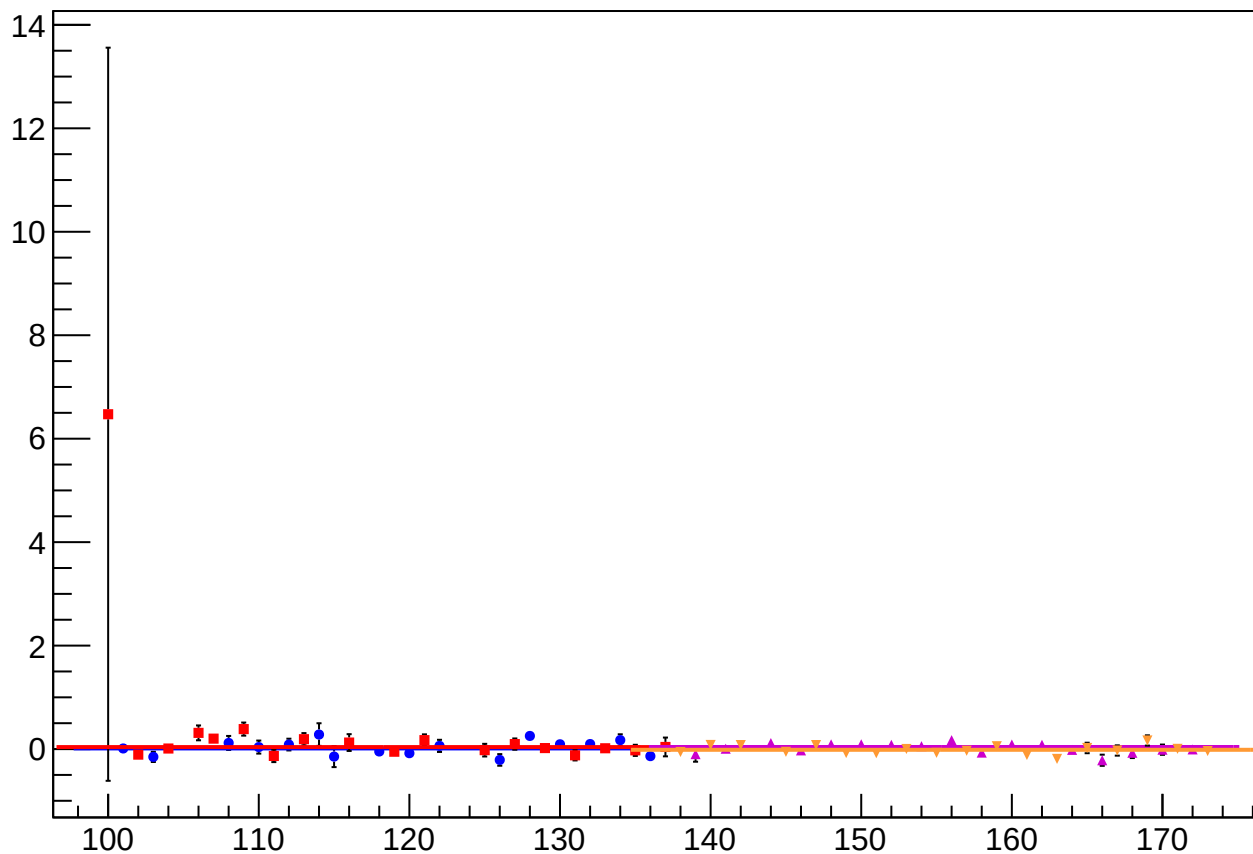
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.001 $\pm$ 0.024 χ^2 /NDF:15.6/16

Out: -0.030 $\pm$ 0.023 χ^2 /NDF:29.0/17

All: -0.016 $\pm$ 0.016 χ^2 /NDF: 45.4/34

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.012 ± 0.023 χ^2/NDF : 25.0/15

Left Out: -0.014 ± 0.016 χ^2/NDF : 23.1/17

Right Out: 0.038 ± 0.025 χ^2/NDF : 28.4/17

Left In: 0.040 ± 0.017 χ^2/NDF : 21.5/16

Left: 0.012 ± 0.012 χ^2/NDF : 49.9/34

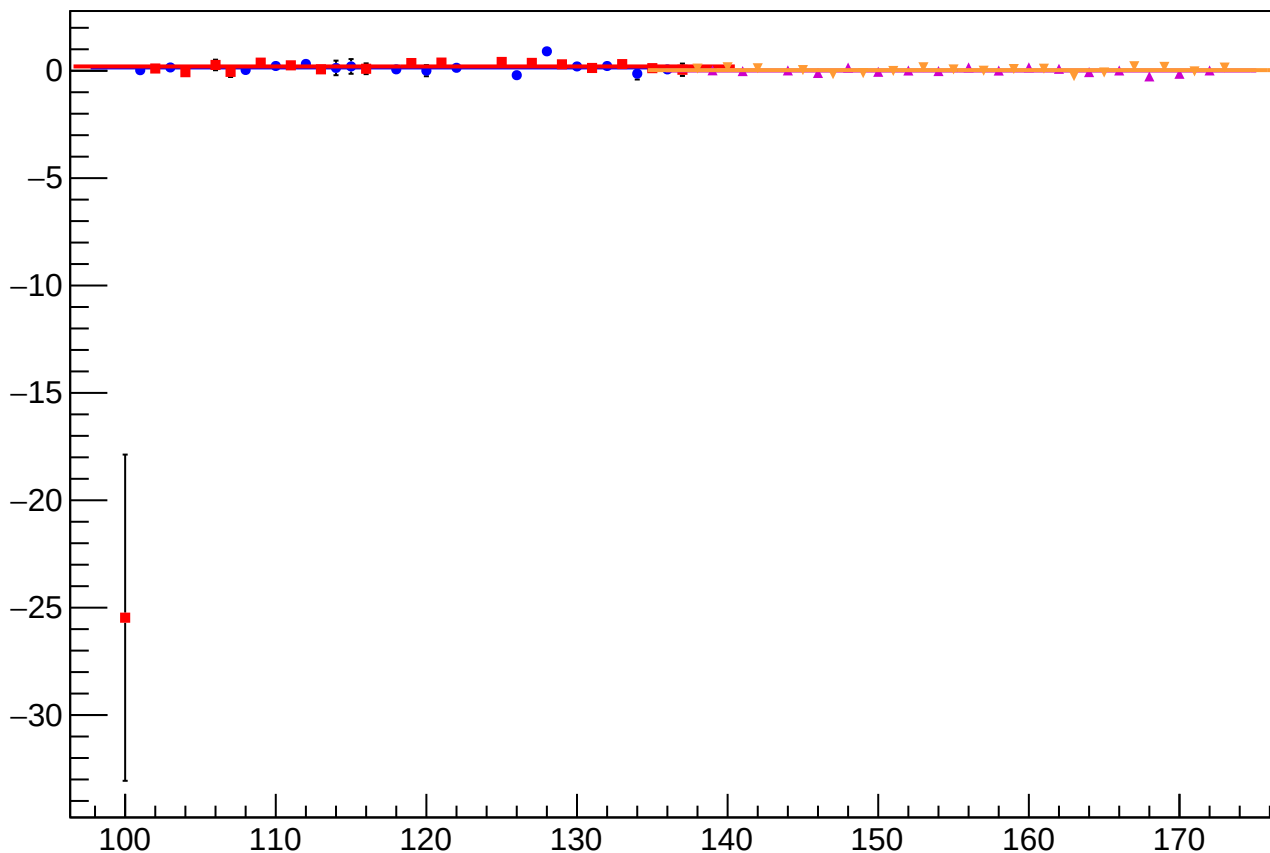
Right: 0.025 ± 0.017 χ^2/NDF : 54.0/33

In: 0.030 ± 0.014 χ^2/NDF : 47.4/32

Out: 0.002 ± 0.014 χ^2/NDF : 54.7/35

All: 0.016 ± 0.010 χ^2/NDF : 104.3/68

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154 $\pm$ 0.043 χ^2 /NDF: 27.9/15

Left Out: 0.029 $\pm$ 0.023 χ^2 /NDF:28.2/17

Right Out: 0.201 $\pm$ 0.045 χ^2 /NDF: 22.6/17

Left In: 0.011 $\pm$ 0.023 χ^2 /NDF:17.2/16

Left: 0.020 $\pm$ 0.016 χ^2 /NDF: 45.7/34

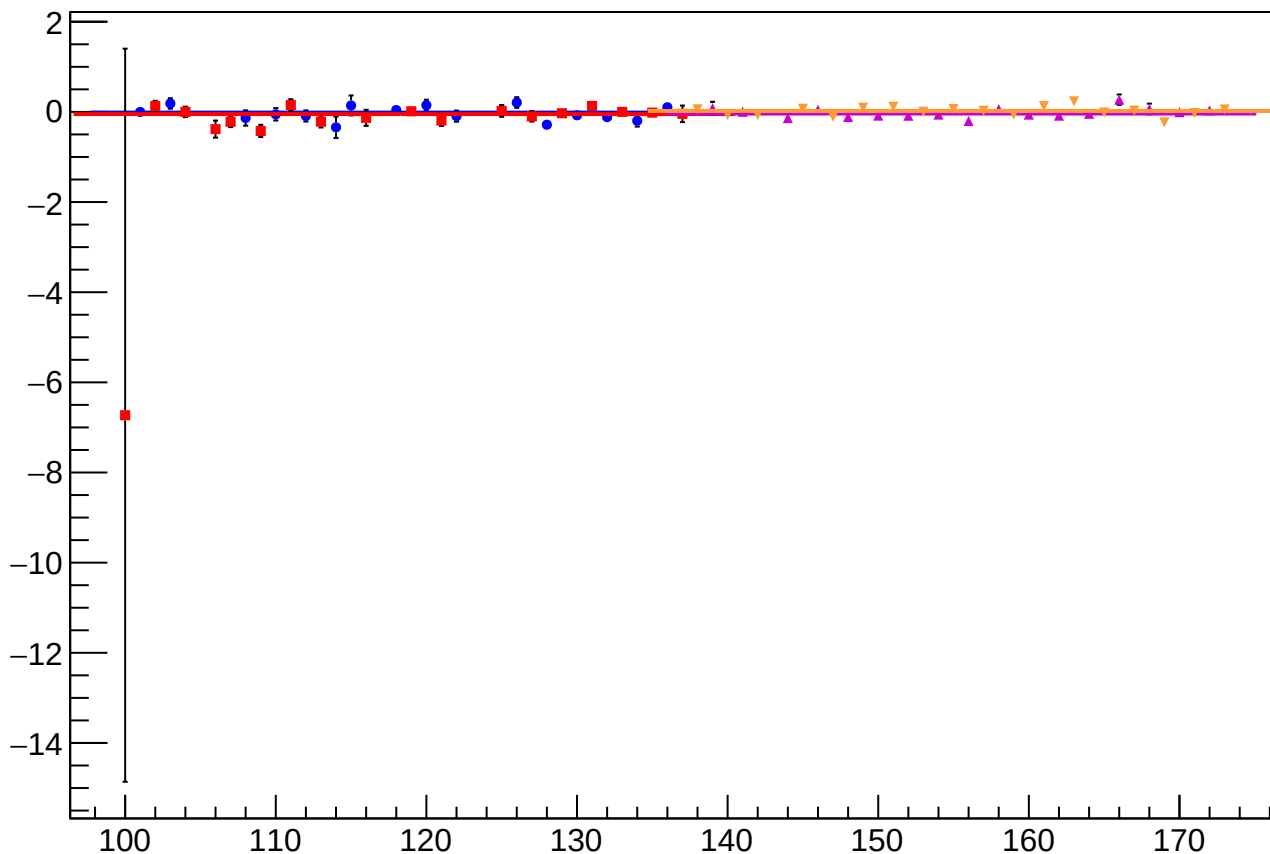
Right: 0.177 $\pm$ 0.031 χ^2 /NDF: 51.1/33

In: 0.043 $\pm$ 0.020 χ^2 /NDF:53.8/32

Out: 0.064 $\pm$ 0.020 χ^2 /NDF:62.5/35

All: 0.053 $\pm$ 0.014 χ^2 /NDF: 116.8/68

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 ± 0.027 χ^2/NDF : 24.3/15

Left Out: 0.021 ± 0.019 χ^2/NDF : 26.2/17

Right Out: -0.048 ± 0.029 χ^2/NDF : 25.9/17

Left In: -0.036 ± 0.020 χ^2/NDF : 22.2/16

Left: -0.007 ± 0.014 χ^2/NDF : 52.8/34

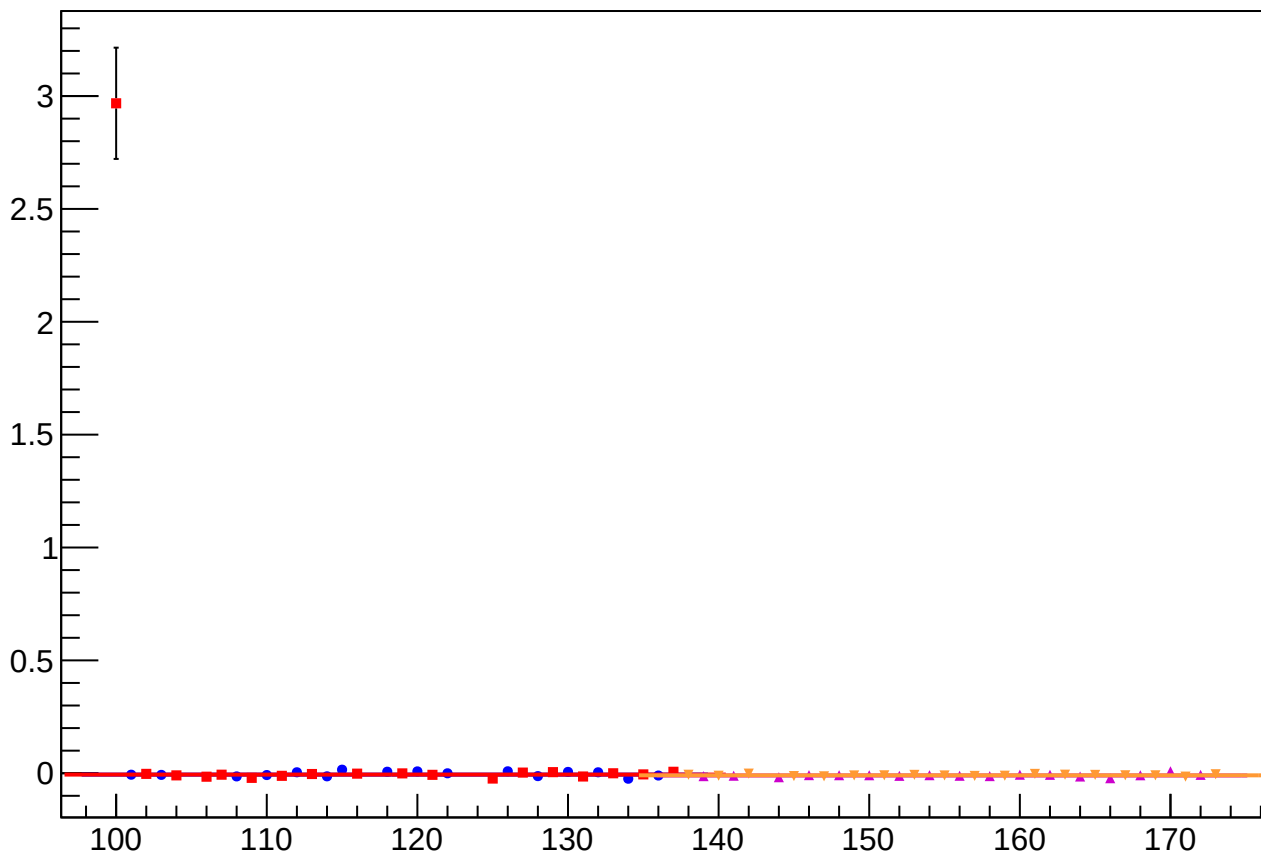
Right: -0.031 ± 0.020 χ^2/NDF : 51.0/33

In: -0.029 ± 0.016 χ^2/NDF : 47.0/32

Out: -0.001 ± 0.016 χ^2/NDF : 56.2/35

All: -0.015 ± 0.011 χ^2/NDF : 104.8/68

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 $\pm$ 0.001 χ^2 /NDF: 27.3/15

Left Out: -0.009 $\pm$ 0.001 χ^2 /NDF:14.1/17

Right Out: -0.006 $\pm$ 0.001 χ^2 /NDF: 165.9/17

Left In: -0.010 $\pm$ 0.001 χ^2 /NDF:29.3/16

Left: -0.010 $\pm$ 0.001 χ^2 /NDF: 43.7/34

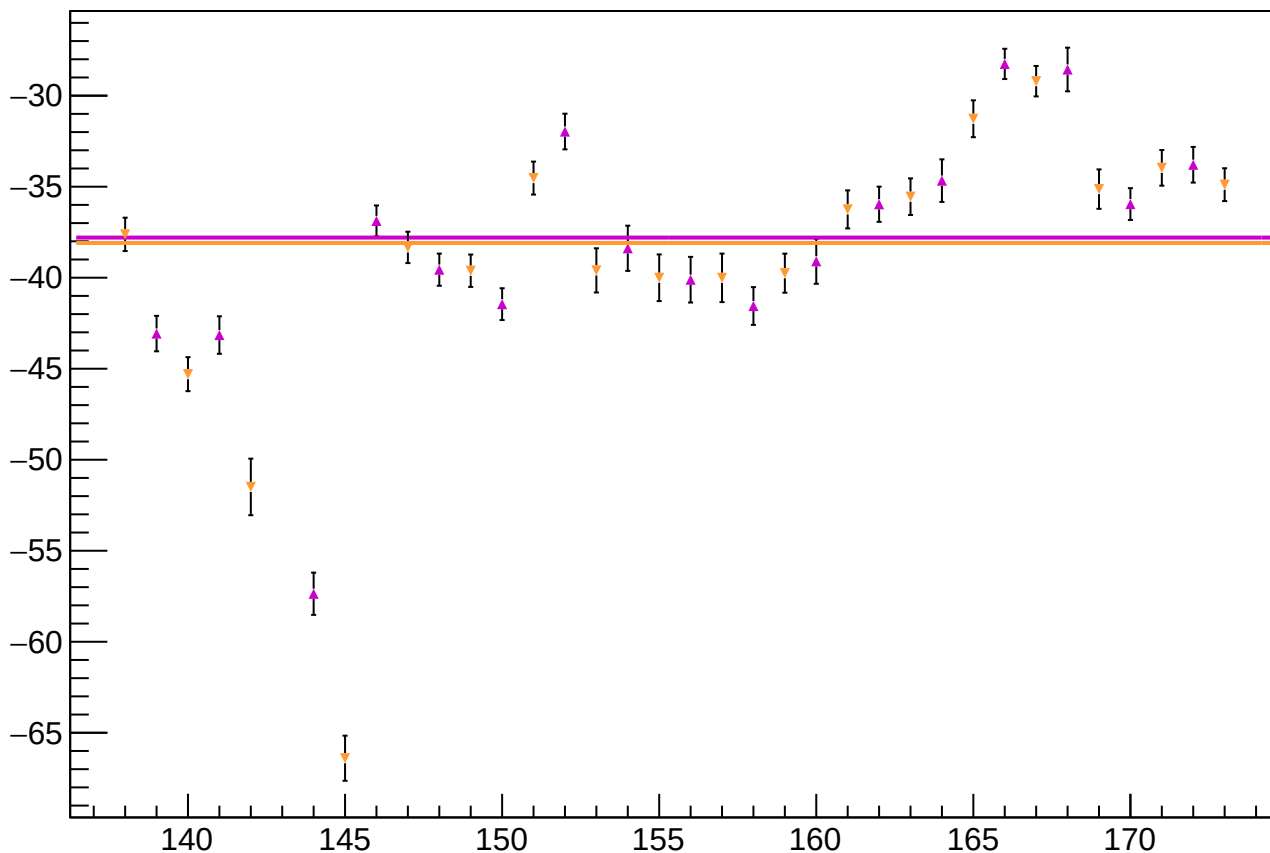
Right: -0.006 $\pm$ 0.001 χ^2 /NDF: 193.3/33

In: -0.009 $\pm$ 0.001 χ^2 /NDF:61.6/32

Out: -0.008 $\pm$ 0.001 χ^2 /NDF:183.7/35

All: -0.009 $\pm$ 0.001 χ^2 /NDF: 245.5/68

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -38.092 $\pm$ 0.240 χ^2 /NDF:888.2/17

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

Left In: -37.796 $\pm$ 0.243 χ^2 /NDF:639.3/16

Left: -37.946 $\pm$ 0.171 χ^2 /NDF: 1528.2/34

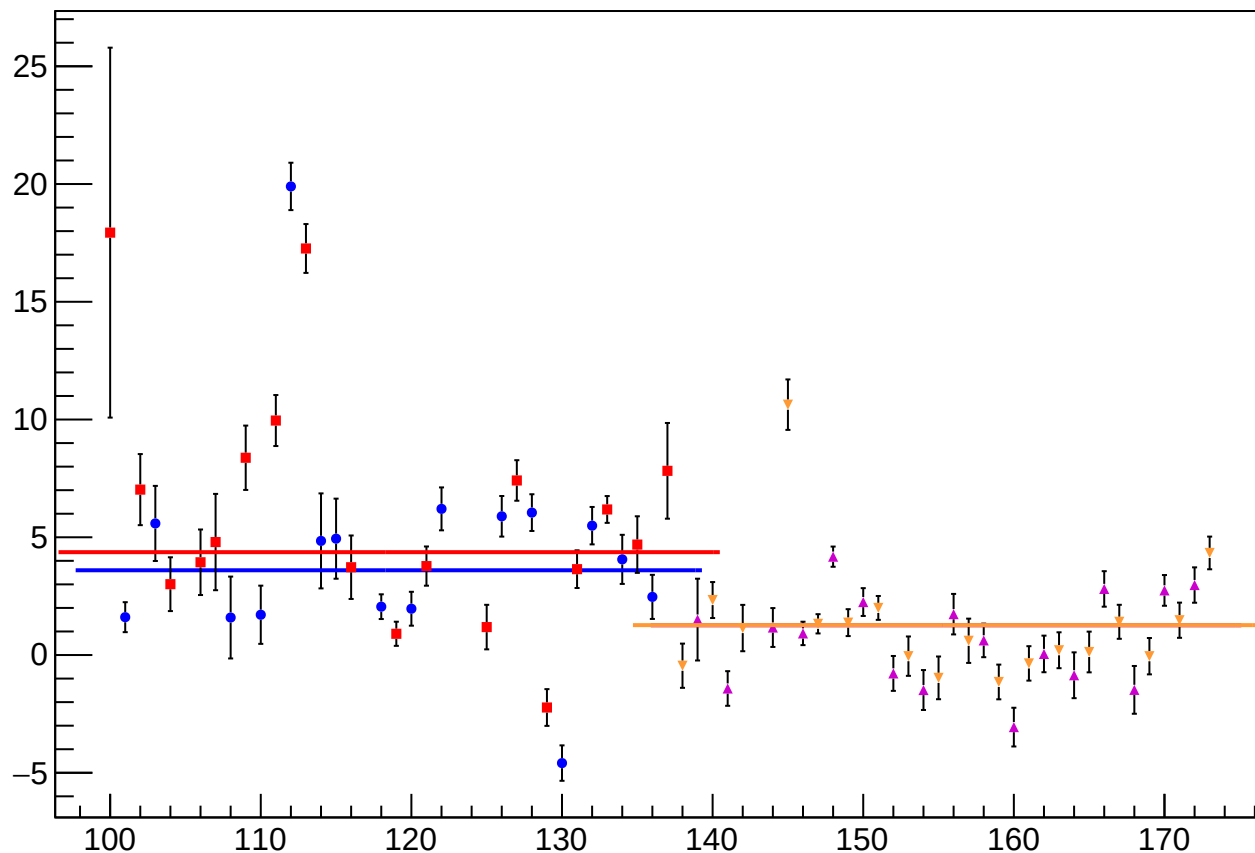
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -37.796 $\pm$ 0.243 χ^2 /NDF:639.3/16

Out: -38.092 $\pm$ 0.240 χ^2 /NDF:888.2/17

All: -37.946 $\pm$ 0.171 χ^2 /NDF: 1528.2/34

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 $\pm$ 0.220 χ^2 /NDF: 443.4/15

Left Out: 1.269 $\pm$ 0.167 χ^2 /NDF:134.8/17

Right Out: 4.367 $\pm$ 0.225 χ^2 /NDF: 353.1/17

Left In: 1.262 $\pm$ 0.173 χ^2 /NDF:138.7/16

Left: 1.266 $\pm$ 0.120 χ^2 /NDF: 273.5/34

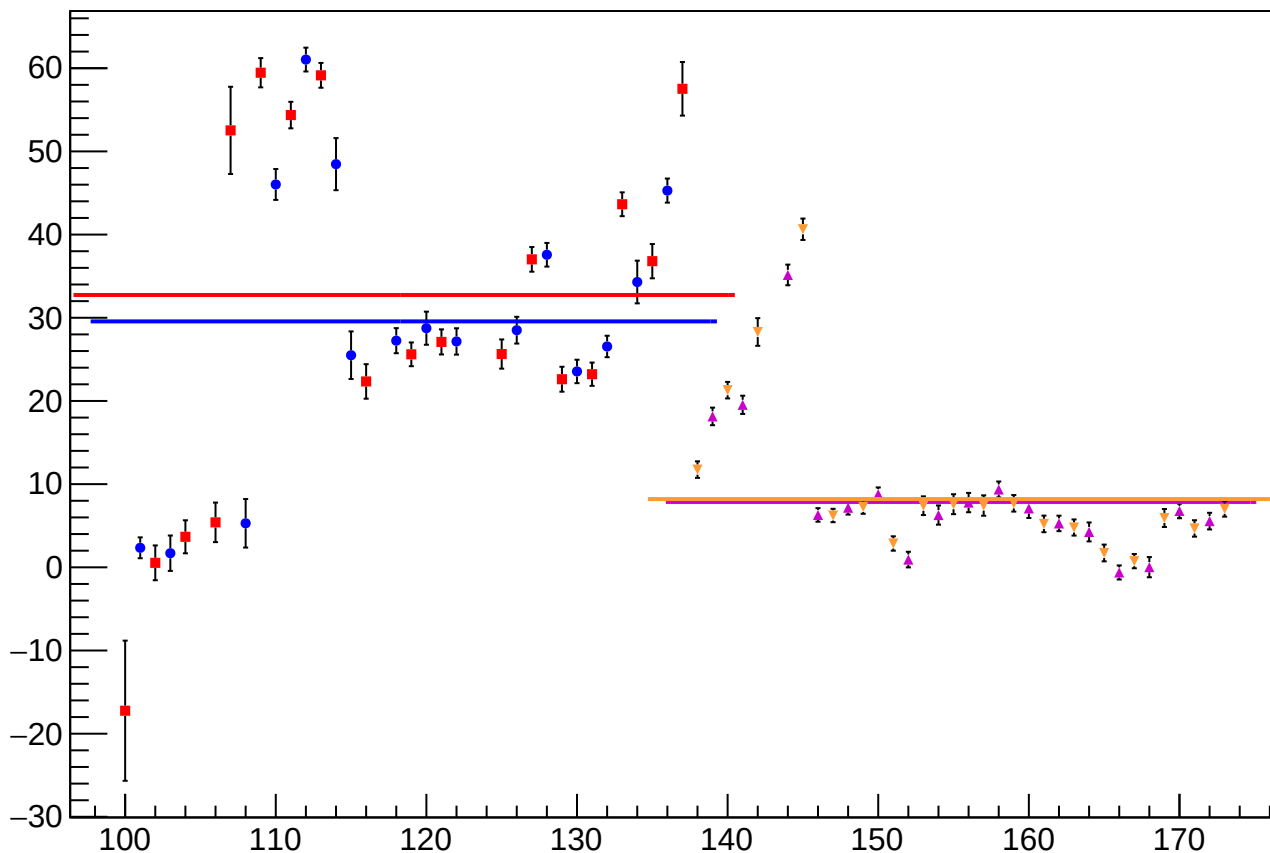
Right: 3.975 $\pm$ 0.157 χ^2 /NDF: 802.5/33

In: 2.150 $\pm$ 0.136 χ^2 /NDF:651.8/32

Out: 2.374 $\pm$ 0.134 χ^2 /NDF:610.1/35

All: 2.264 $\pm$ 0.095 χ^2 /NDF: 1263.3/68

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 8.204 $\pm$ 0.236 χ^2 /NDF:1172.4/17

Right Out: 32.741 $\pm$ 0.423 χ^2 /NDF: 1663.3/17

Left In: 7.861 $\pm$ 0.238 χ^2 /NDF:923.3/16

Left: 8.034 $\pm$ 0.168 χ^2 /NDF: 2096.7/34

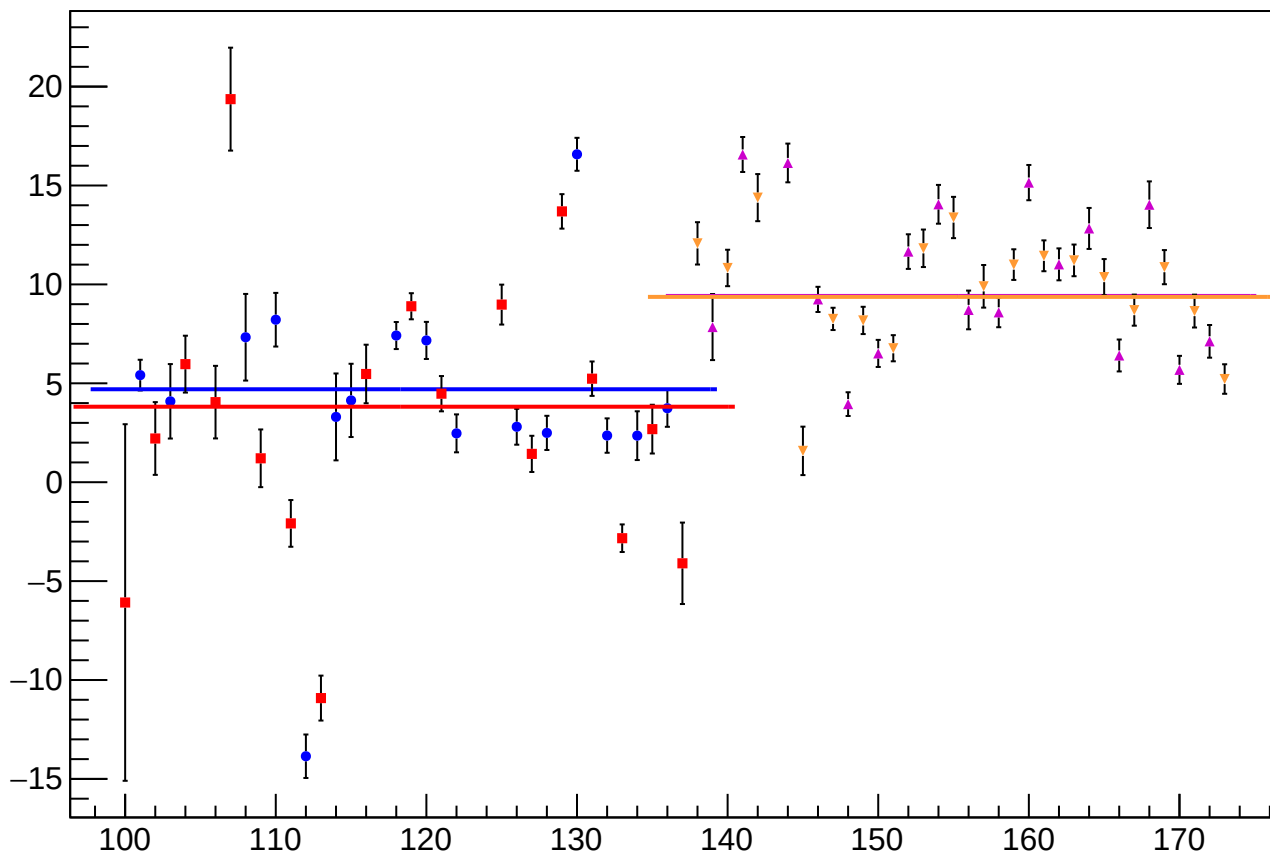
Right: 31.140 $\pm$ 0.298 χ^2 /NDF: 3186.3/33

In: 13.154 $\pm$ 0.207 χ^2 /NDF:4441.3/32

Out: 14.044 $\pm$ 0.206 χ^2 /NDF:5402.7/35

All: 13.601 $\pm$ 0.146 χ^2 /NDF: 9853.3/68

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 ± 0.254 χ^2/NDF : 548.9/15

Left Out: 9.369 ± 0.196 χ^2/NDF : 164.6/17

Right Out: 3.817 ± 0.258 χ^2/NDF : 567.6/17

Left In: 9.417 ± 0.201 χ^2/NDF : 366.1/16

Left: 9.392 ± 0.140 χ^2/NDF : 530.8/34

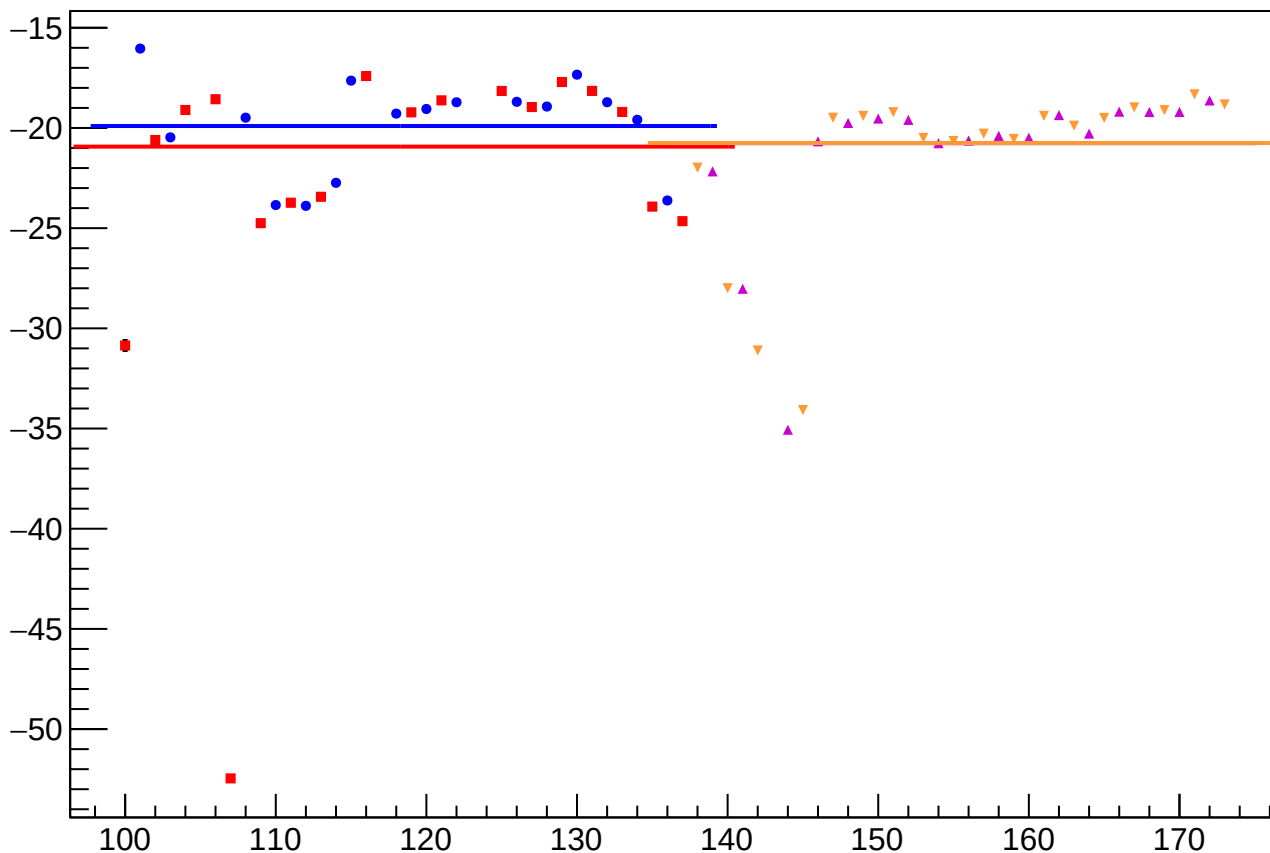
Right: 4.265 ± 0.181 χ^2/NDF : 1122.4/33

In: 7.596 ± 0.158 χ^2/NDF : 1126.9/32

Out: 7.347 ± 0.156 χ^2/NDF : 1025.7/35

All: 7.470 ± 0.111 χ^2/NDF : 2153.8/68

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 $\pm$ 0.016 χ^2 /NDF: 26054.0/15

Left Out: -20.752 $\pm$ 0.009 χ^2 /NDF:140889.0/17

Right Out: -20.931 $\pm$ 0.016 χ^2 /NDF: 94008.3/17

Left In: -20.759 $\pm$ 0.009 χ^2 /NDF:110959.5/16

Left: -20.756 $\pm$ 0.007 χ^2 /NDF: 251848.8/34

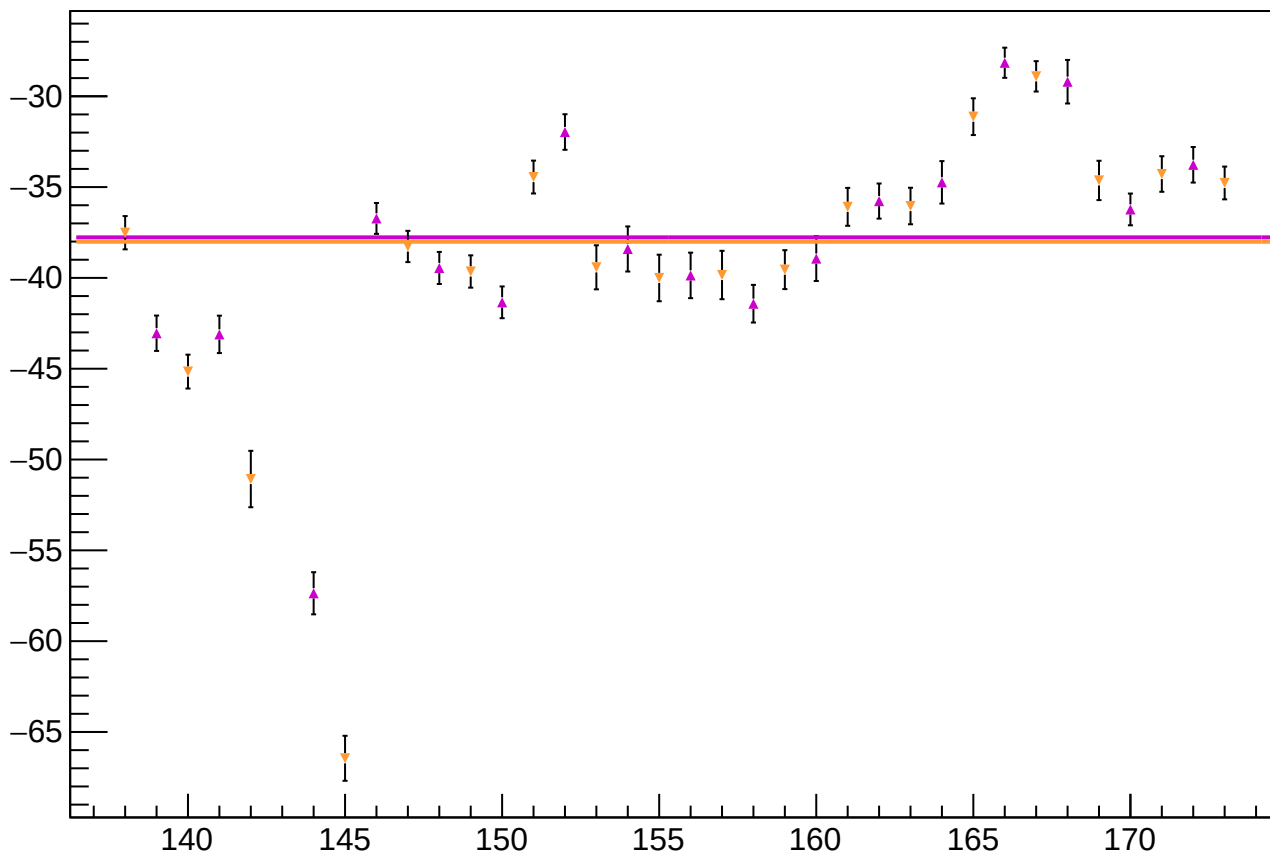
Right: -20.414 $\pm$ 0.011 χ^2 /NDF: 122212.6/33

In: -20.534 $\pm$ 0.008 χ^2 /NDF:139223.7/32

Out: -20.798 $\pm$ 0.008 χ^2 /NDF:234992.9/35

All: -20.667 $\pm$ 0.006 χ^2 /NDF: 374763.1/68

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -38.009+/-0.240 χ^2/NDF :892.9/17

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

Left In: -37.768+/-0.243 χ^2/NDF :631.0/16

Left: -37.890+/-0.171 χ^2/NDF : 1524.4/34

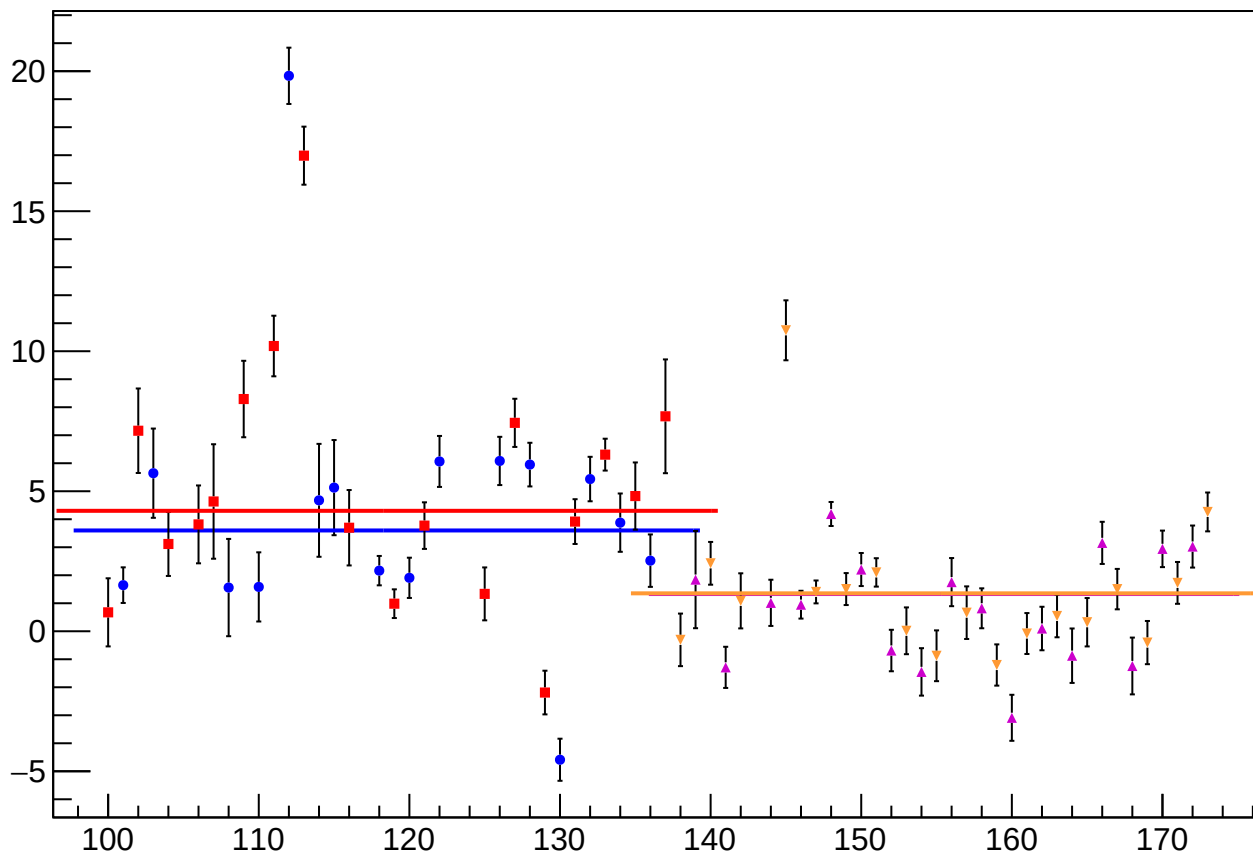
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.768+/-0.243 χ^2/NDF :631.0/16

Out: -38.009+/-0.240 χ^2/NDF :892.9/17

All: -37.890+/-0.171 χ^2/NDF : 1524.4/34

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 $\pm$ 0.220 χ^2 /NDF: 440.3/15

Left Out: 1.354 $\pm$ 0.167 χ^2 /NDF:135.1/17

Right Out: 4.301 $\pm$ 0.221 χ^2 /NDF: 352.1/17

Left In: 1.329 $\pm$ 0.172 χ^2 /NDF:139.2/16

Left: 1.342 $\pm$ 0.120 χ^2 /NDF: 274.3/34

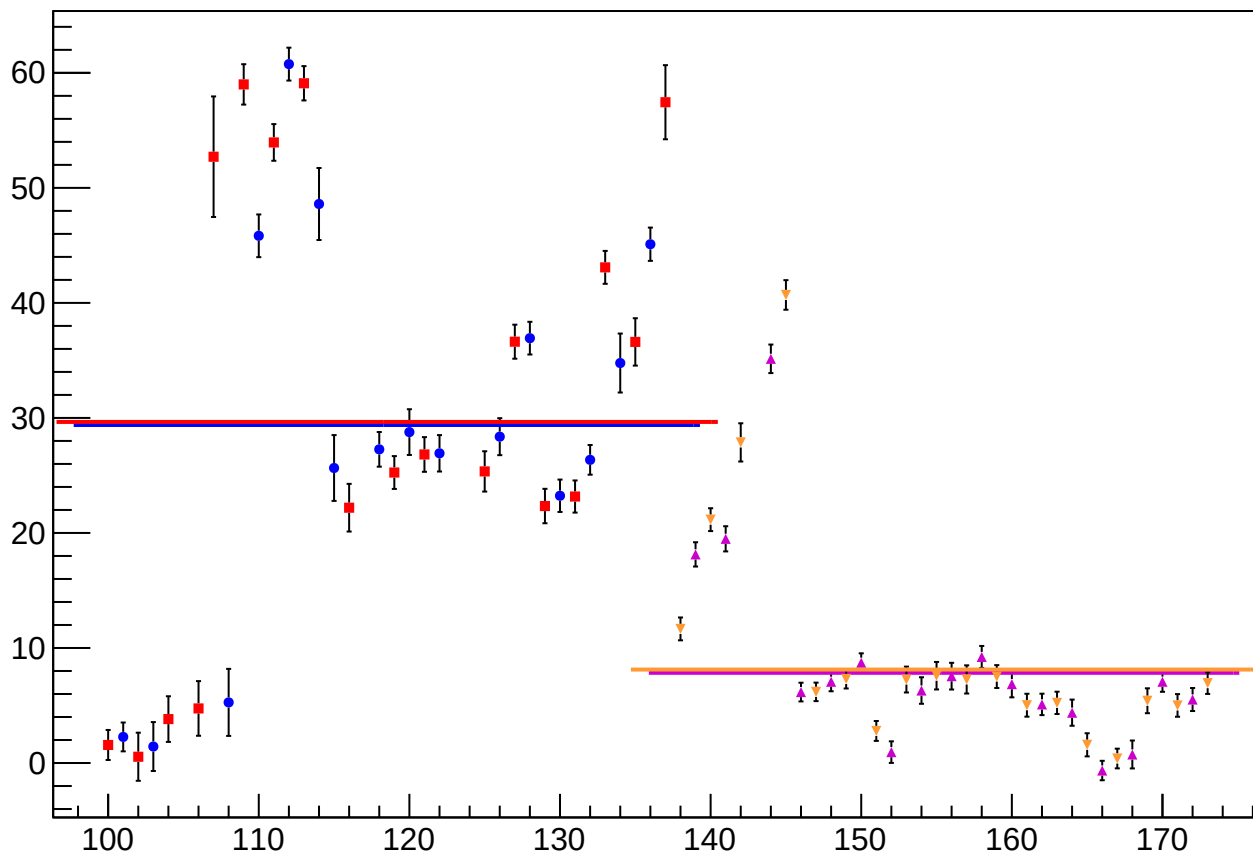
Right: 3.949 $\pm$ 0.156 χ^2 /NDF: 797.4/33

In: 2.193 $\pm$ 0.136 χ^2 /NDF:645.3/32

Out: 2.427 $\pm$ 0.133 χ^2 /NDF:600.2/35

All: 2.312 $\pm$ 0.095 χ^2 /NDF: 1247.1/68

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 $\pm$ 0.419 χ^2 /NDF: 1488.6/15

Left Out: 8.125 $\pm$ 0.236 χ^2 /NDF:1175.0/17

Right Out: 29.652 $\pm$ 0.402 χ^2 /NDF: 2131.0/17

Left In: 7.843 $\pm$ 0.238 χ^2 /NDF:917.1/16

Left: 7.985 $\pm$ 0.168 χ^2 /NDF: 2092.7/34

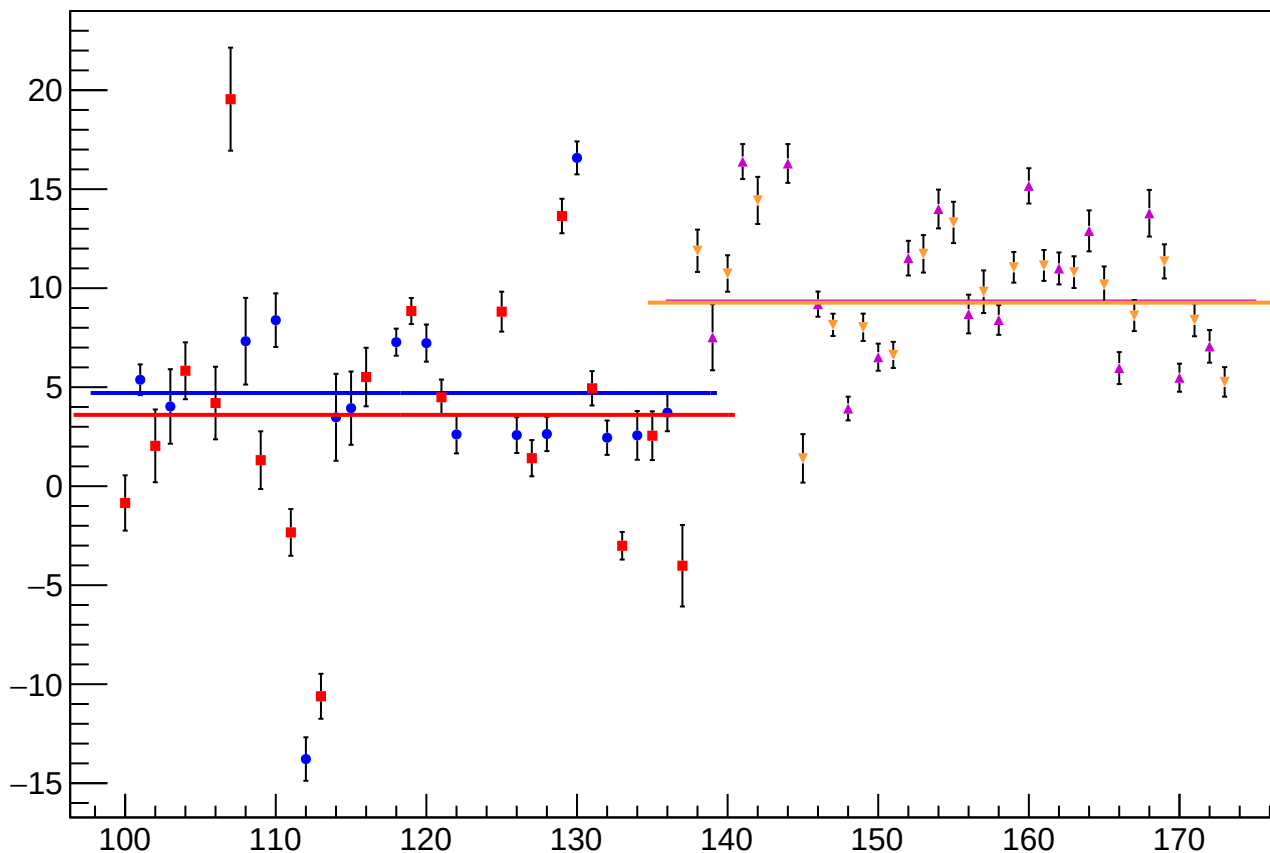
Right: 29.525 $\pm$ 0.290 χ^2 /NDF: 3619.8/33

In: 13.098 $\pm$ 0.207 χ^2 /NDF:4402.3/32

Out: 13.640 $\pm$ 0.204 χ^2 /NDF:5435.3/35

All: 13.373 $\pm$ 0.145 χ^2 /NDF: 9841.0/68

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 $\pm$ 0.254 χ^2 /NDF: 545.2/15

Left Out: 9.270 $\pm$ 0.195 χ^2 /NDF:166.2/17

Right Out: 3.601 $\pm$ 0.254 χ^2 /NDF: 573.4/17

Left In: 9.326 $\pm$ 0.201 χ^2 /NDF:373.0/16

Left: 9.297 $\pm$ 0.140 χ^2 /NDF: 539.3/34

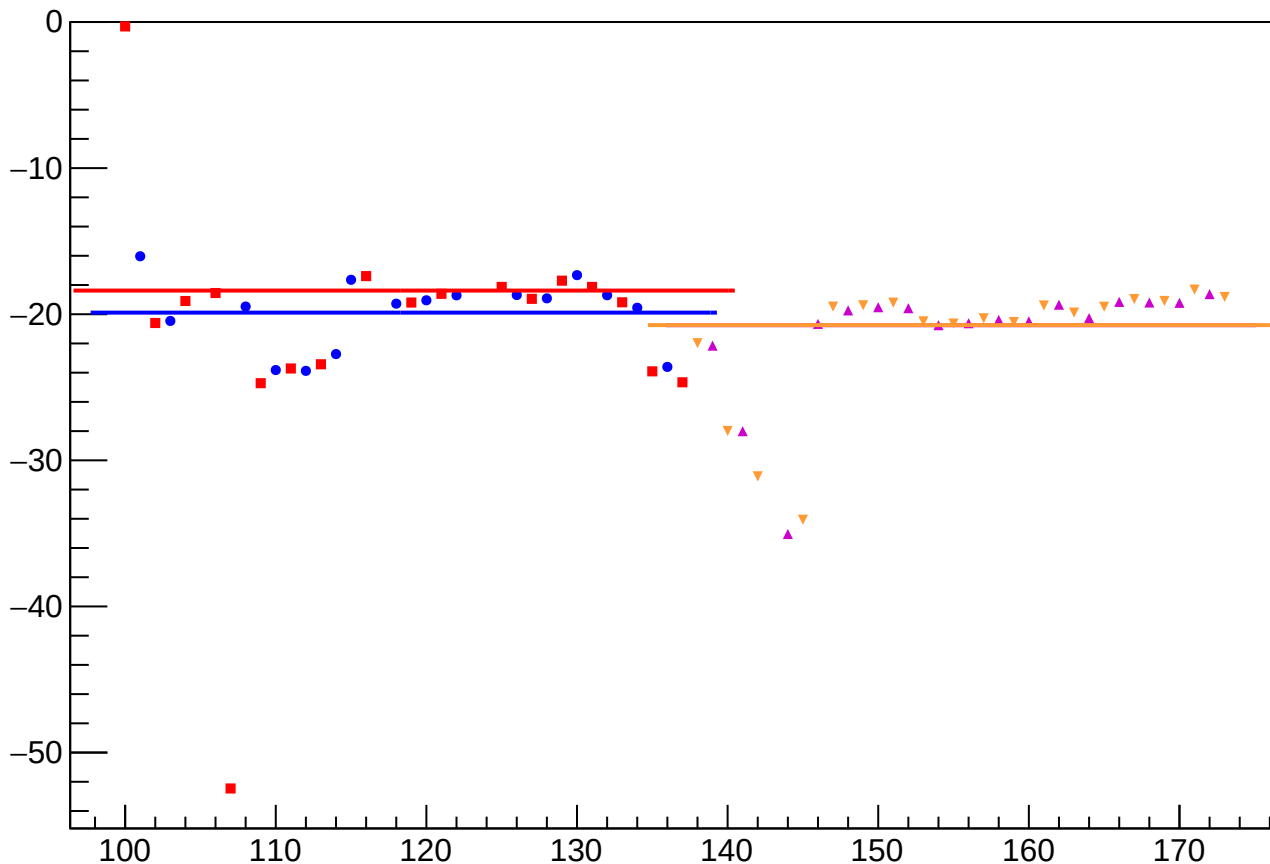
Right: 4.154 $\pm$ 0.180 χ^2 /NDF: 1128.1/33

In: 7.543 $\pm$ 0.158 χ^2 /NDF:1121.5/32

Out: 7.162 $\pm$ 0.155 χ^2 /NDF:1052.4/35

All: 7.349 $\pm$ 0.111 χ^2 /NDF: 2176.9/68

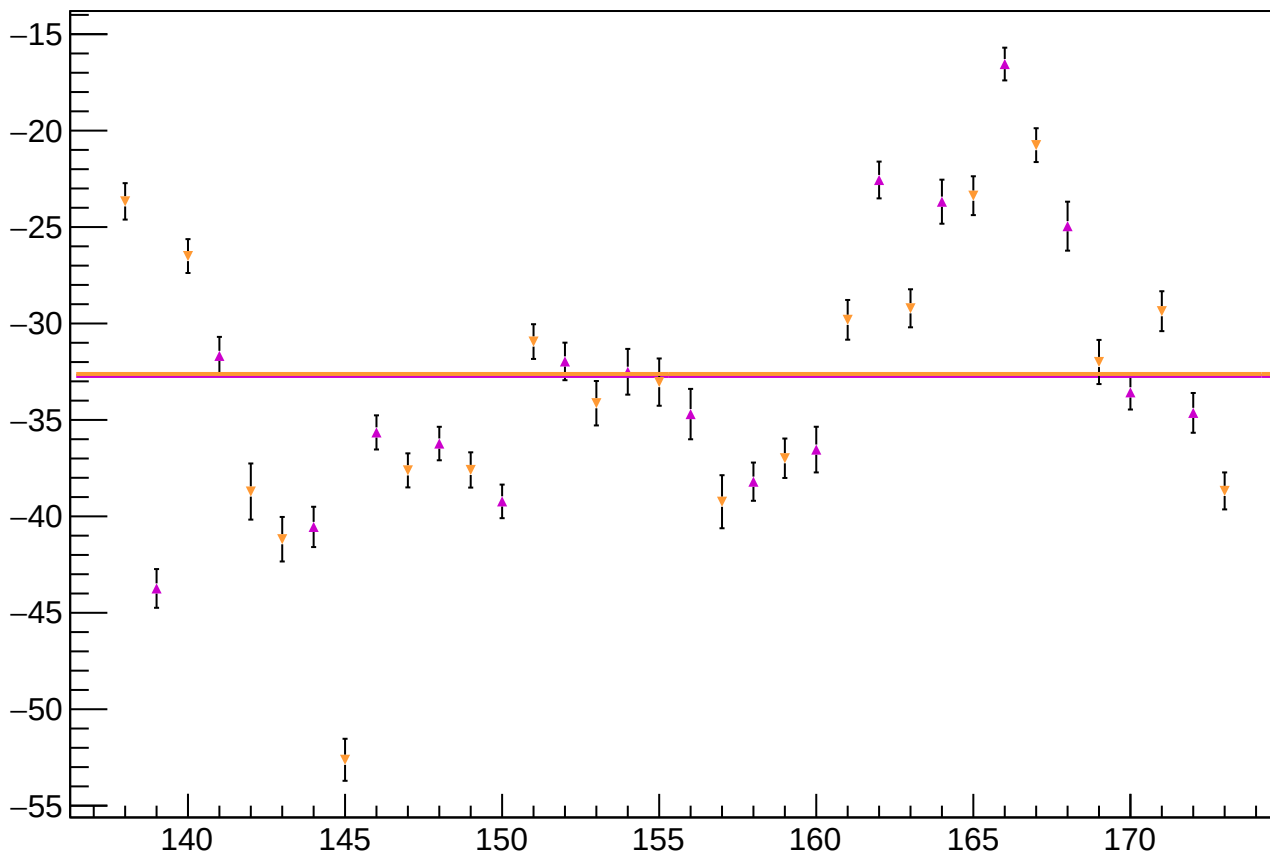
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 χ^2/NDF : 26044.4/15
 Left Out: -20.744 ± 0.009 χ^2/NDF : 140979.2/17
 Right Out: -18.380 ± 0.015 χ^2/NDF : 300999.4/17
 Left In: -20.751 ± 0.009 χ^2/NDF : 110855.1/16

Left: -20.748 ± 0.007 χ^2/NDF : 251834.5/34
 Right: -19.091 ± 0.011 χ^2/NDF : 331979.2/33
 In: -20.524 ± 0.008 χ^2/NDF : 139130.6/32
 Out: -20.076 ± 0.008 χ^2/NDF : 460416.0/35
 All: -20.295 ± 0.006 χ^2/NDF : 601143.3/68

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.617+/-0.235 χ^2/NDF :993.6/18

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

Left In: -32.720+/-0.242 χ^2/NDF :885.4/16

Left: -32.667+/-0.169 χ^2/NDF : 1879.0/35

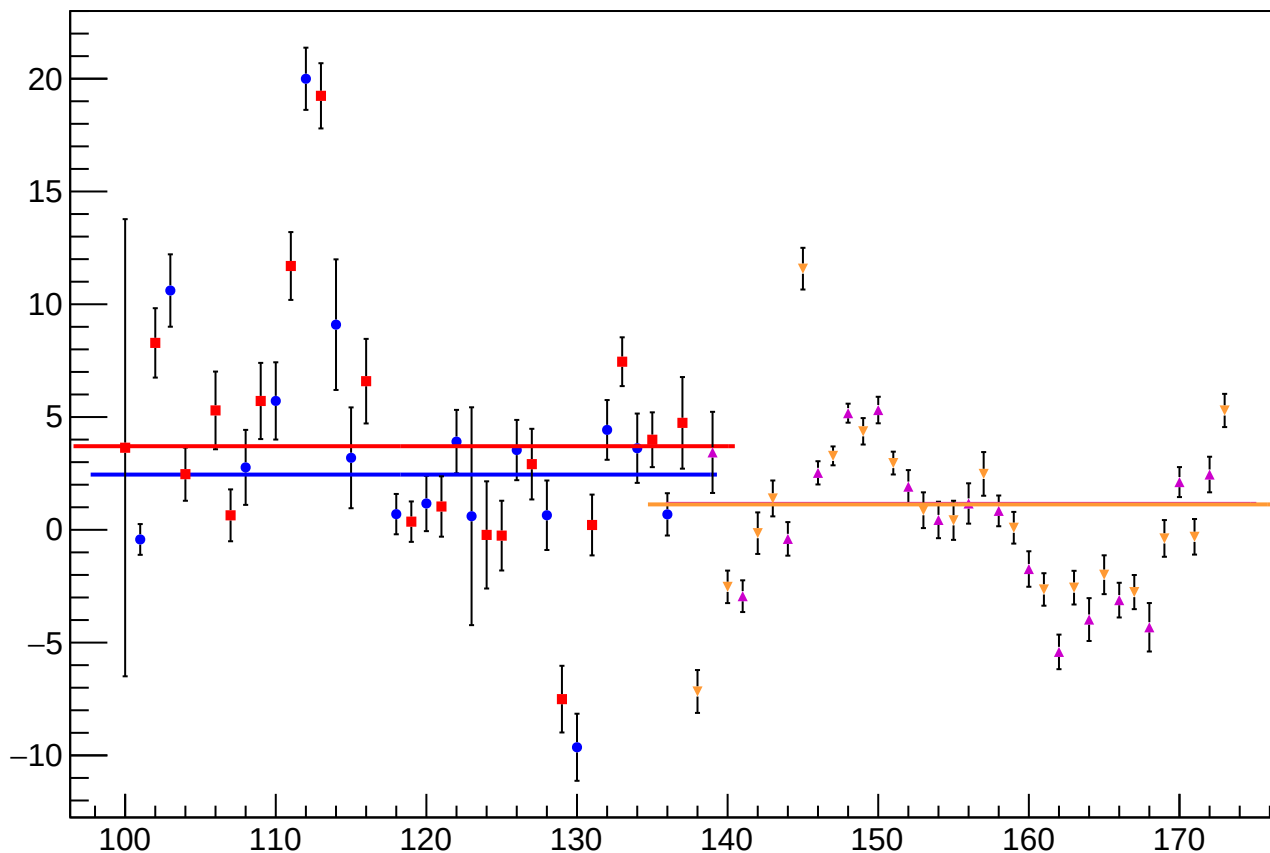
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.720+/-0.242 χ^2/NDF :885.4/16

Out: -32.617+/-0.235 χ^2/NDF :993.6/18

All: -32.667+/-0.169 χ^2/NDF : 1879.0/35

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.449 ± 0.314 χ^2/NDF : 295.3/16

Left Out: 1.127 ± 0.164 χ^2/NDF : 436.9/18

Right Out: 3.707 ± 0.326 χ^2/NDF : 269.4/18

Left In: 1.150 ± 0.171 χ^2/NDF : 367.7/16

Left: 1.138 ± 0.118 χ^2/NDF : 804.6/35

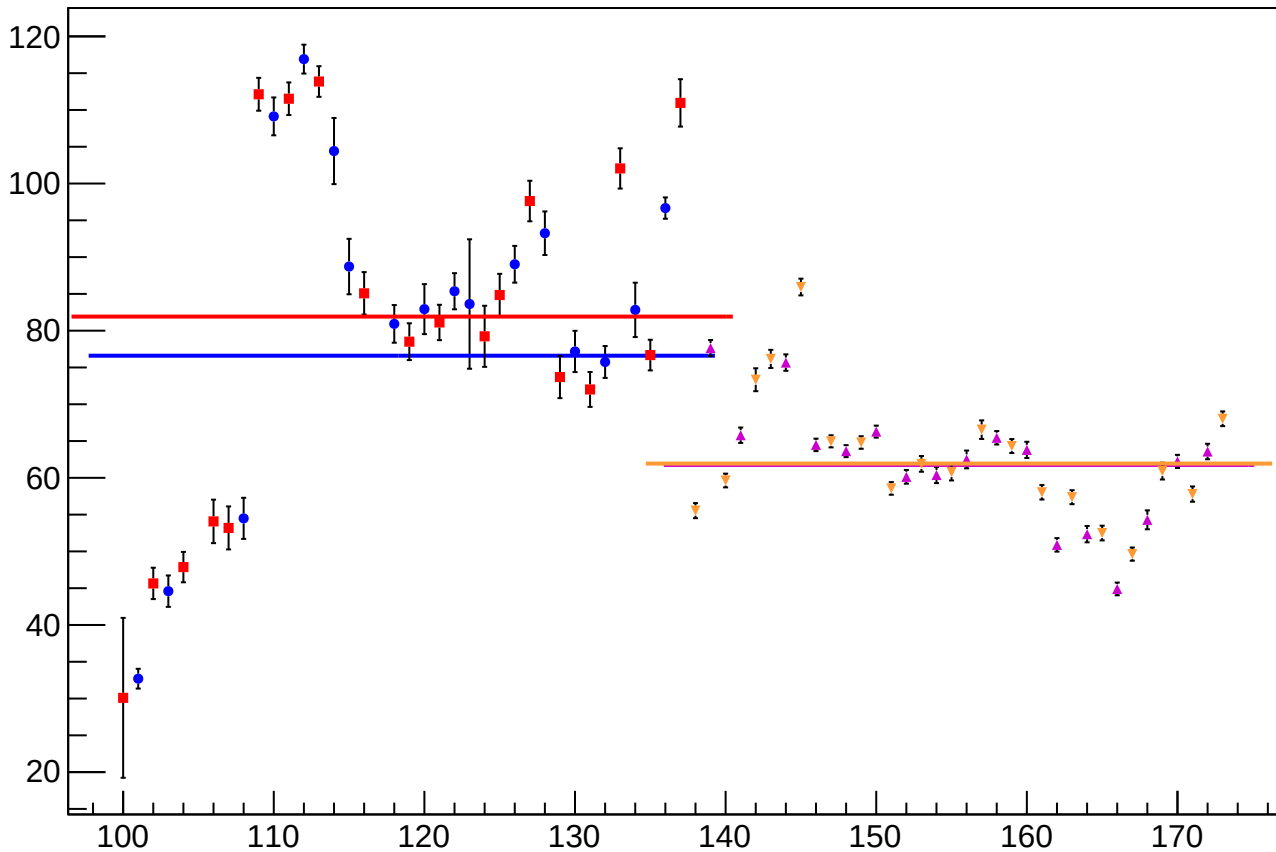
Right: 3.055 ± 0.226 χ^2/NDF : 572.4/35

In: 1.447 ± 0.150 χ^2/NDF : 676.2/33

Out: 1.646 ± 0.146 χ^2/NDF : 756.2/37

All: 1.549 ± 0.105 χ^2/NDF : 1433.3/71

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598 $\pm$ 0.576 χ^2 /NDF: 2255.1/16

Left Out: 61.938 $\pm$ 0.232 χ^2 /NDF:1107.5/18

Right Out: 81.916 $\pm$ 0.592 χ^2 /NDF: 1570.7/18

Left In: 61.751 $\pm$ 0.237 χ^2 /NDF:1083.1/16

Left: 61.847 $\pm$ 0.166 χ^2 /NDF: 2190.9/35

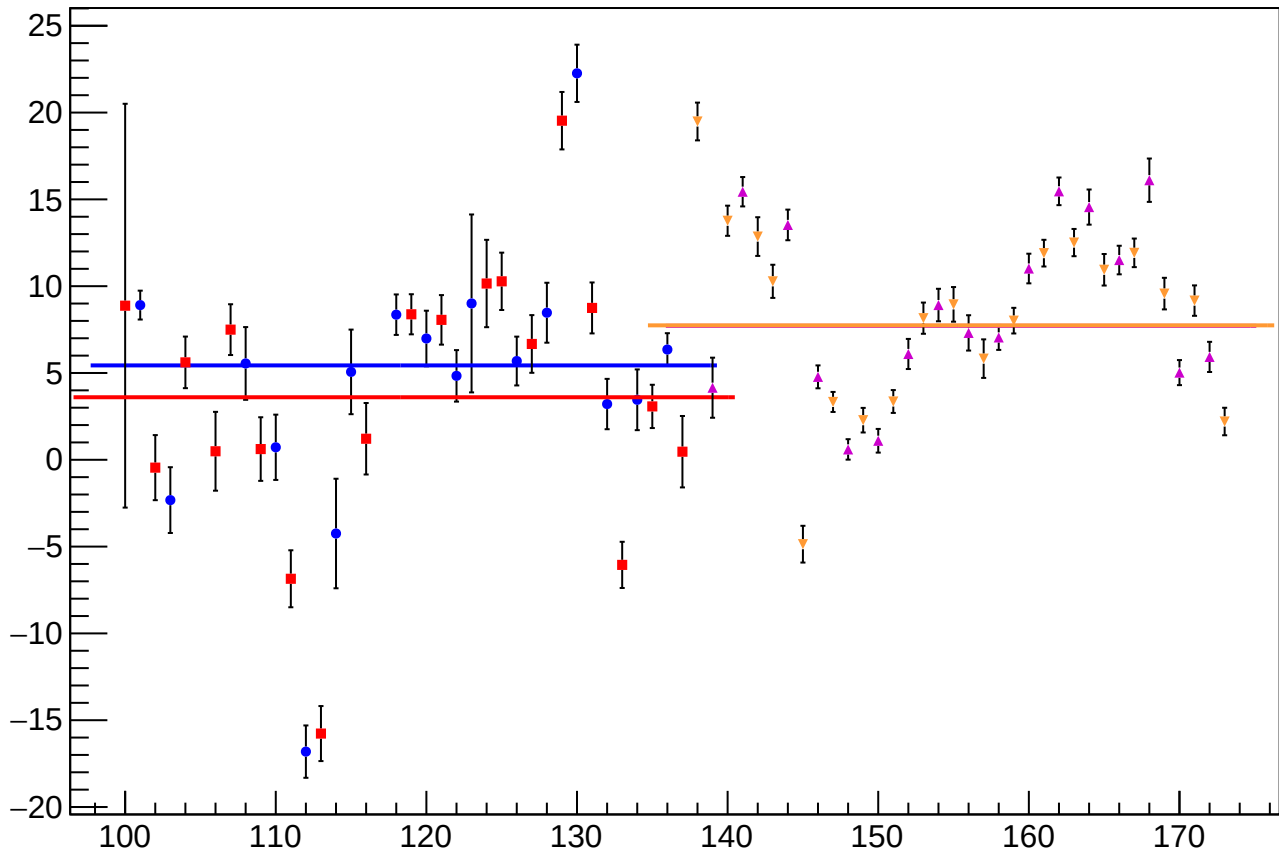
Right: 79.184 $\pm$ 0.413 χ^2 /NDF: 3867.3/35

In: 63.907 $\pm$ 0.219 χ^2 /NDF:3906.0/33

Out: 64.597 $\pm$ 0.216 χ^2 /NDF:3665.3/37

All: 64.258 $\pm$ 0.154 χ^2 /NDF: 7576.3/71

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Left: 7.730 $\pm$ 0.138 χ^2/NDF : 1298.5/35

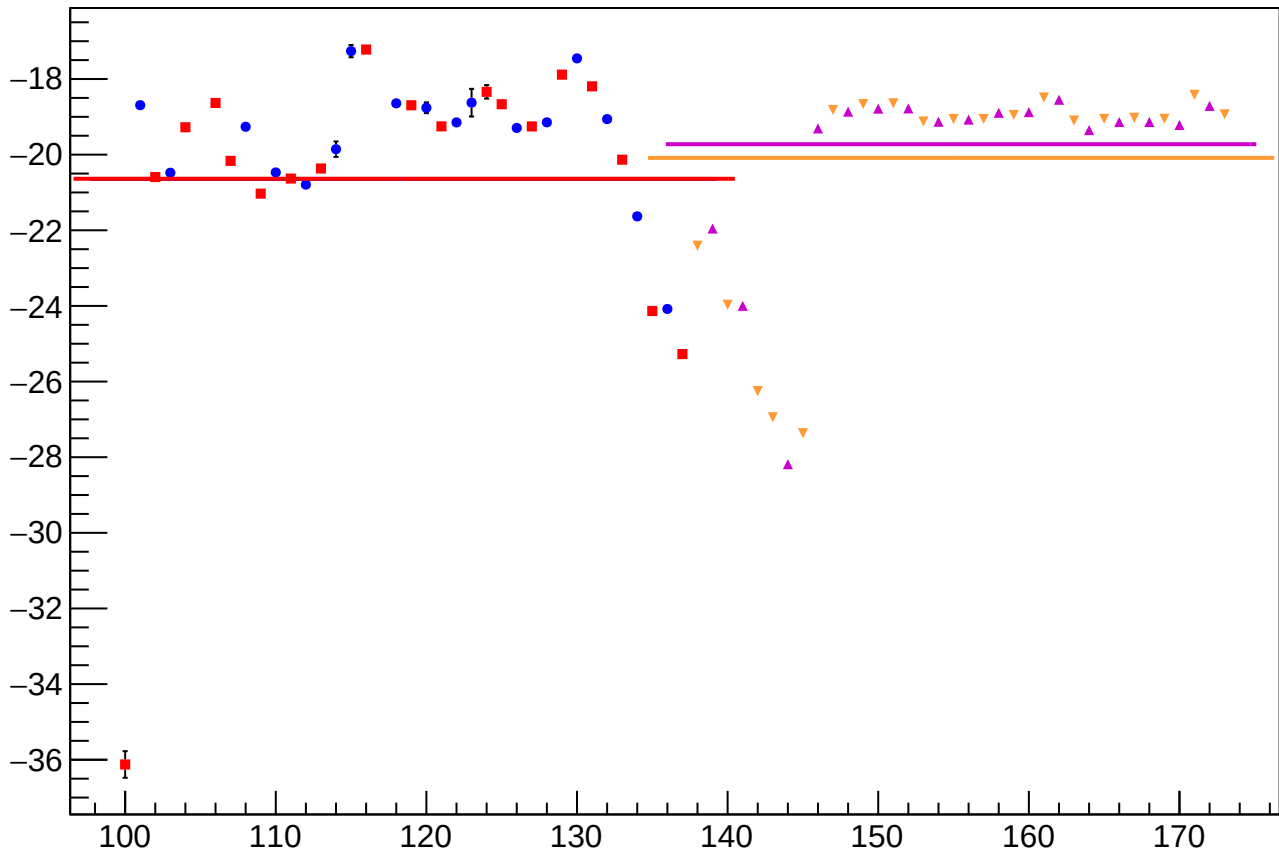
Right: 4.556 $\pm$ 0.260 χ^2/NDF : 823.0/35

In: 7.178 $\pm$ 0.175 χ^2/NDF : 1054.7/33

Out: 6.887 $\pm$ 0.171 χ^2/NDF : 1181.6/37

All: 7.029 $\pm$ 0.122 χ^2/NDF : 2237.8/71

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 $\pm$ 0.019 χ^2 /NDF: 12431.5/16

Left Out: -20.085 $\pm$ 0.009 χ^2 /NDF: 82270.9/18

Right Out: -20.638 $\pm$ 0.019 χ^2 /NDF: 13783.4/18

Left In: -19.723 $\pm$ 0.009 χ^2 /NDF: 49701.6/16

Left: -19.909 $\pm$ 0.007 χ^2 /NDF: 132741.1/35

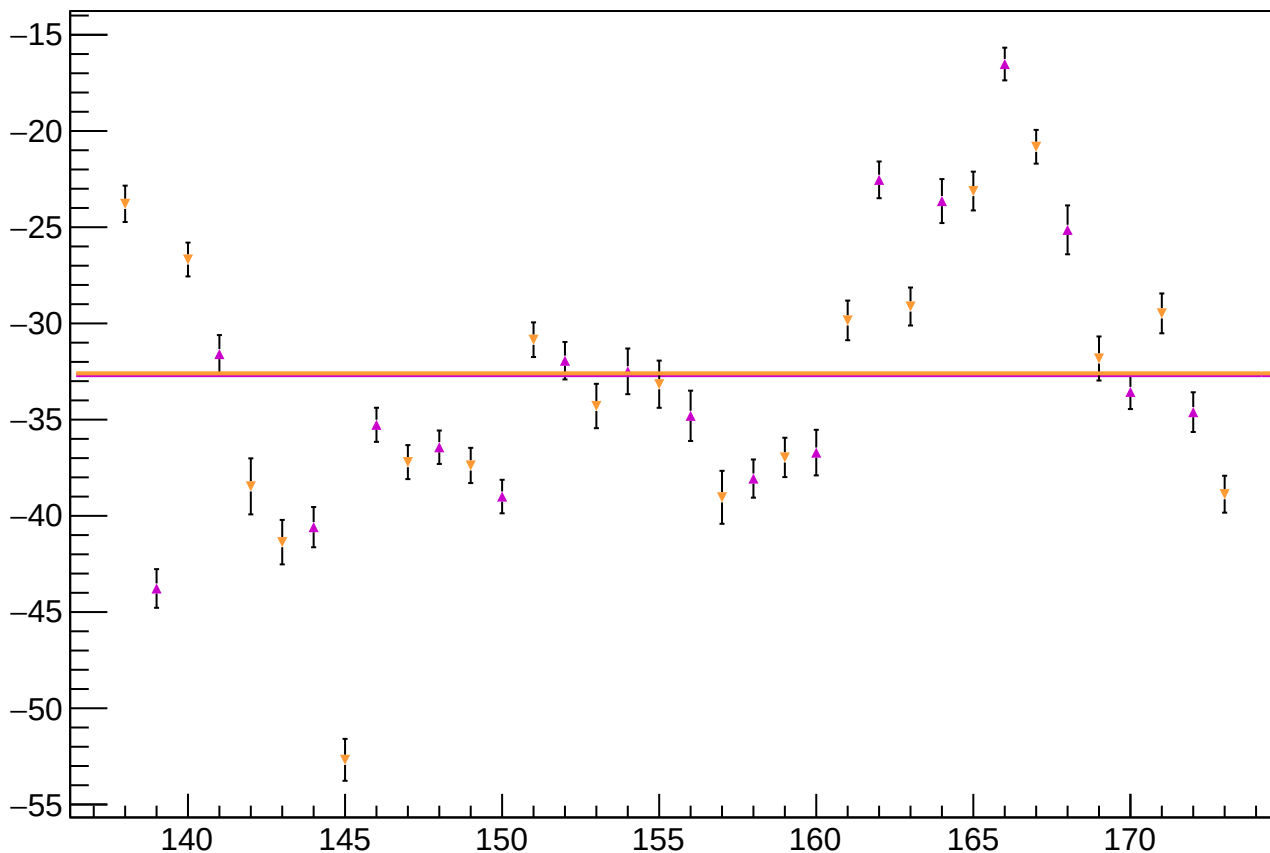
Right: -20.640 $\pm$ 0.014 χ^2 /NDF: 26214.9/35

In: -19.897 $\pm$ 0.008 χ^2 /NDF: 63963.2/33

Out: -20.184 $\pm$ 0.008 χ^2 /NDF: 96717.2/37

All: -20.043 $\pm$ 0.006 χ^2 /NDF: 161276.6/71

reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.594+/-0.235 χ^2/NDF :987.2/18

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

Left In: -32.688+/-0.243 χ^2/NDF :881.5/16

Left: -32.640+/-0.169 χ^2/NDF : 1868.8/35

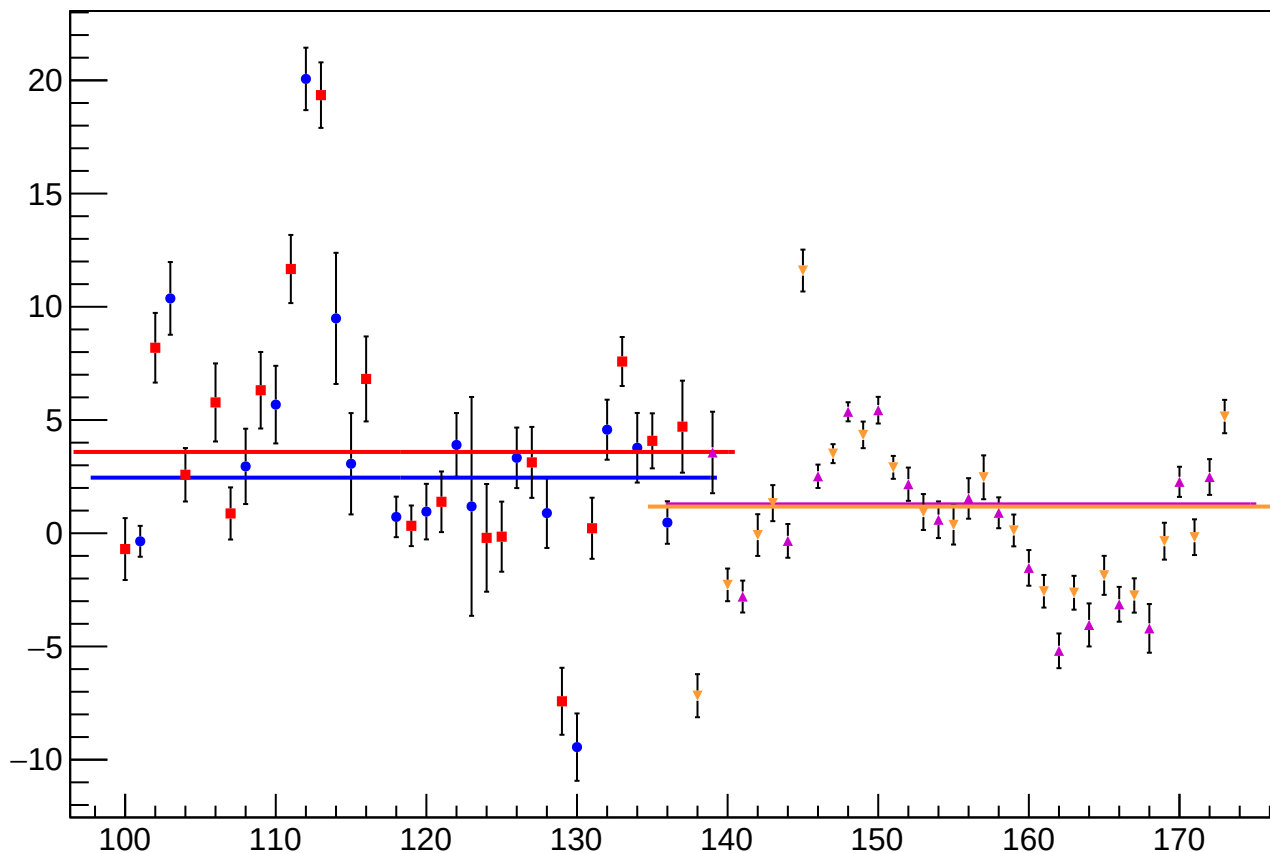
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.688+/-0.243 χ^2/NDF :881.5/16

Out: -32.594+/-0.235 χ^2/NDF :987.2/18

All: -32.640+/-0.169 χ^2/NDF : 1868.8/35

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 $\pm$ 0.315 χ^2 /NDF: 293.5/16

Left Out: 1.178 $\pm$ 0.164 χ^2 /NDF:433.8/18

Right Out: 3.590 $\pm$ 0.318 χ^2 /NDF: 279.8/18

Left In: 1.275 $\pm$ 0.171 χ^2 /NDF:370.8/16

Left: 1.224 $\pm$ 0.118 χ^2 /NDF: 804.8/35

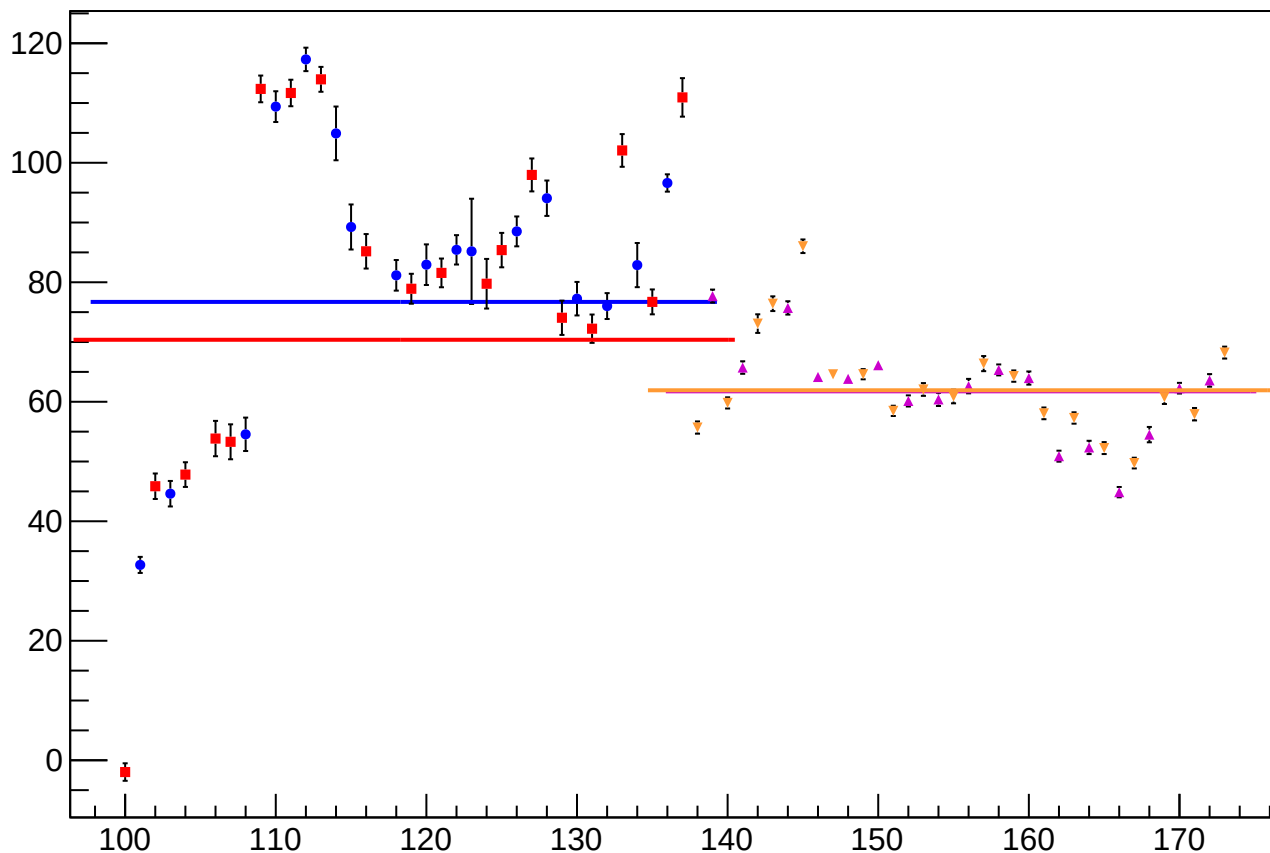
Right: 3.017 $\pm$ 0.224 χ^2 /NDF: 579.8/35

In: 1.545 $\pm$ 0.151 χ^2 /NDF:675.1/33

Out: 1.685 $\pm$ 0.146 χ^2 /NDF:759.2/37

All: 1.617 $\pm$ 0.105 χ^2 /NDF: 1434.7/71

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 61.922 $\pm$ 0.232 χ^2 /NDF:1108.2/18

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

Left In: 61.745 $\pm$ 0.238 χ^2 /NDF:1078.7/16

Left: 61.835 $\pm$ 0.166 χ^2 /NDF: 2187.3/35

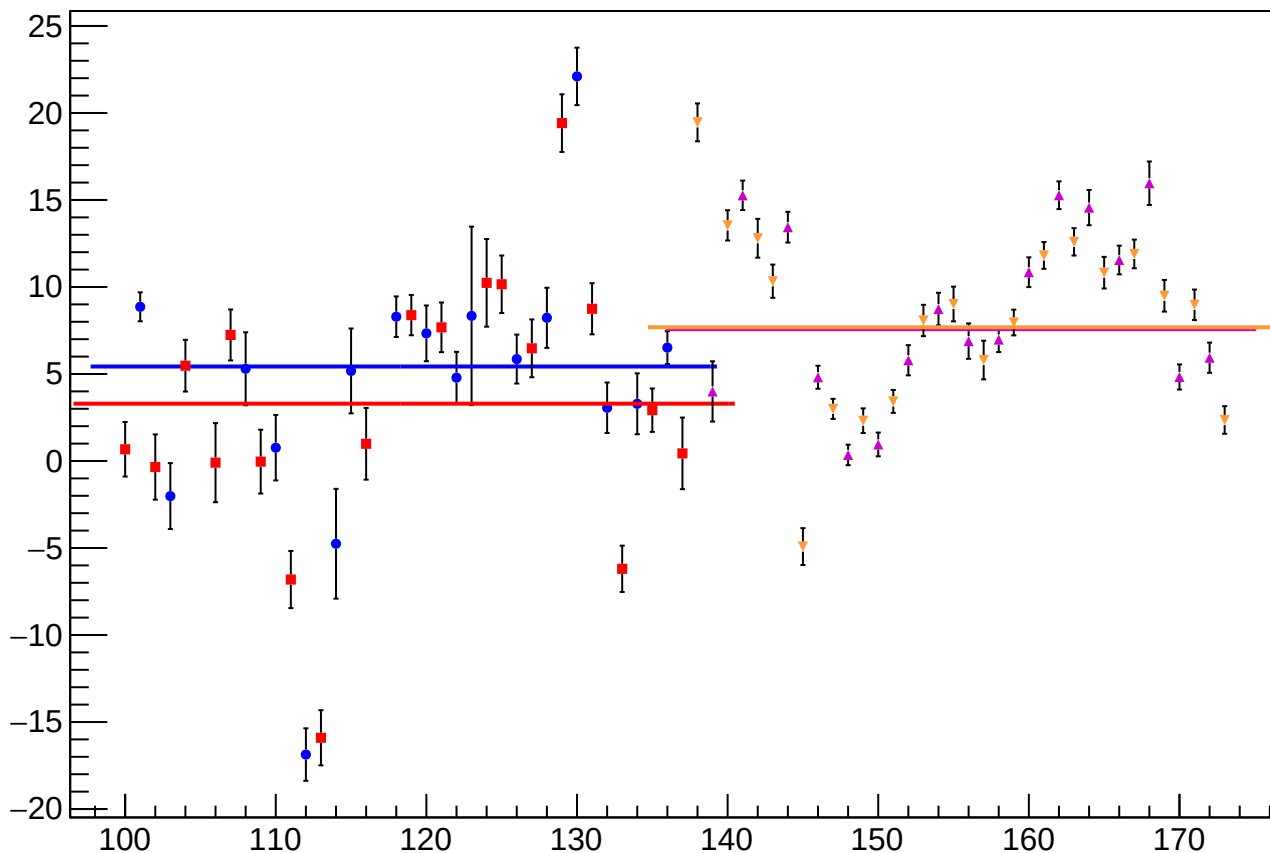
Right: 73.396 $\pm$ 0.398 χ^2 /NDF: 6720.6/35

In: 63.919 $\pm$ 0.220 χ^2 /NDF:3921.9/33

Out: 63.201 $\pm$ 0.214 χ^2 /NDF:5699.5/37

All: 63.550 $\pm$ 0.153 χ^2 /NDF: 9626.9/71

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 7.685 ± 0.192 χ^2/NDF : 660.3/18

Right Out: 3.295 ± 0.365 χ^2/NDF : 426.1/18

Left In: 7.578 ± 0.200 χ^2/NDF : 641.8/16

Left: 7.634 ± 0.138 χ^2/NDF : 1302.2/35

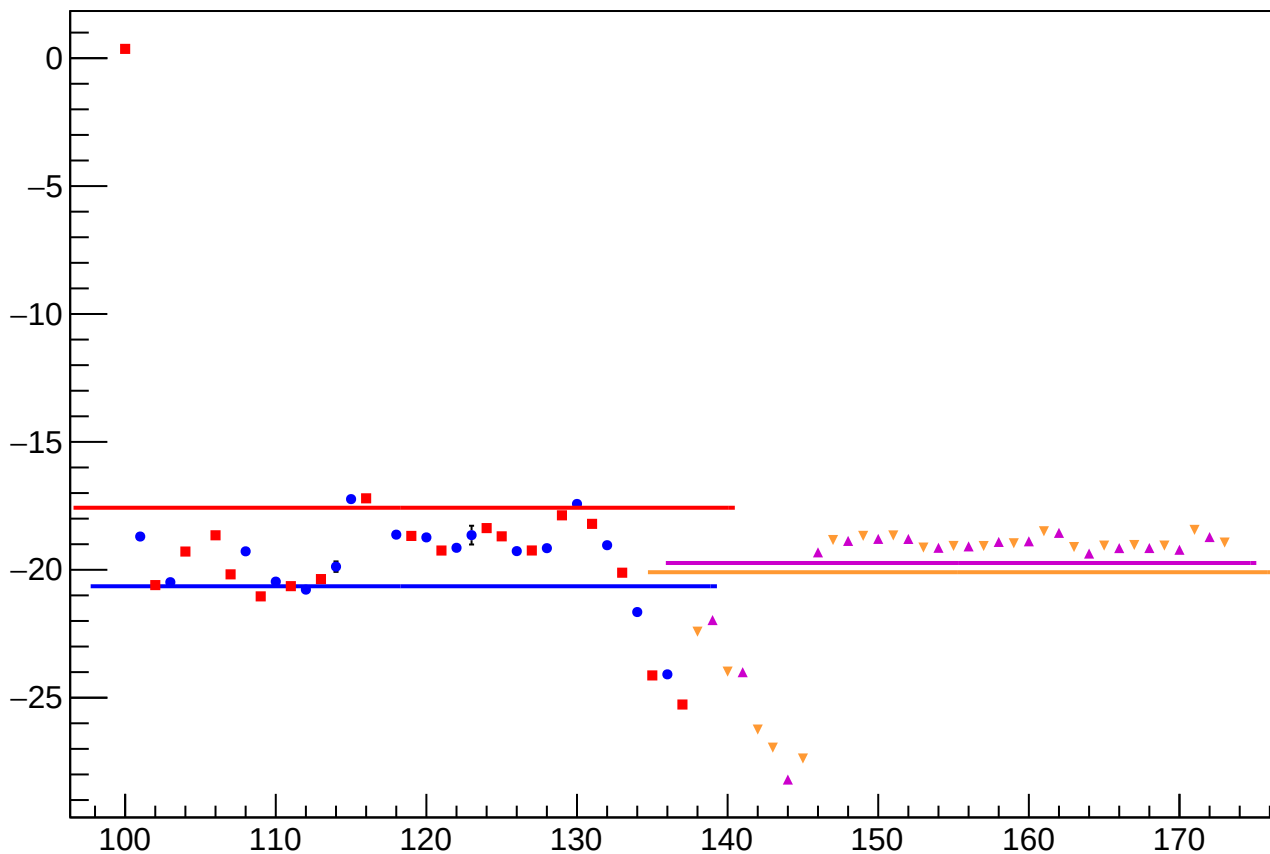
Right: 4.376 ± 0.257 χ^2/NDF : 829.3/35

In: 7.072 ± 0.175 χ^2/NDF : 1054.8/33

Out: 6.737 ± 0.170 χ^2/NDF : 1199.8/37

All: 6.899 ± 0.122 χ^2/NDF : 2256.4/71

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.643 ± 0.019 $\chi^2/\text{NDF}: 12468.6/16$

Left Out: -20.094 ± 0.009 $\chi^2/\text{NDF}: 82121.5/18$

Right Out: -17.574 ± 0.018 $\chi^2/\text{NDF}: 178327.0/18$

Left In: -19.734 ± 0.009 $\chi^2/\text{NDF}: 49637.5/16$

Left: -19.918 ± 0.007 $\chi^2/\text{NDF}: 132522.0/35$

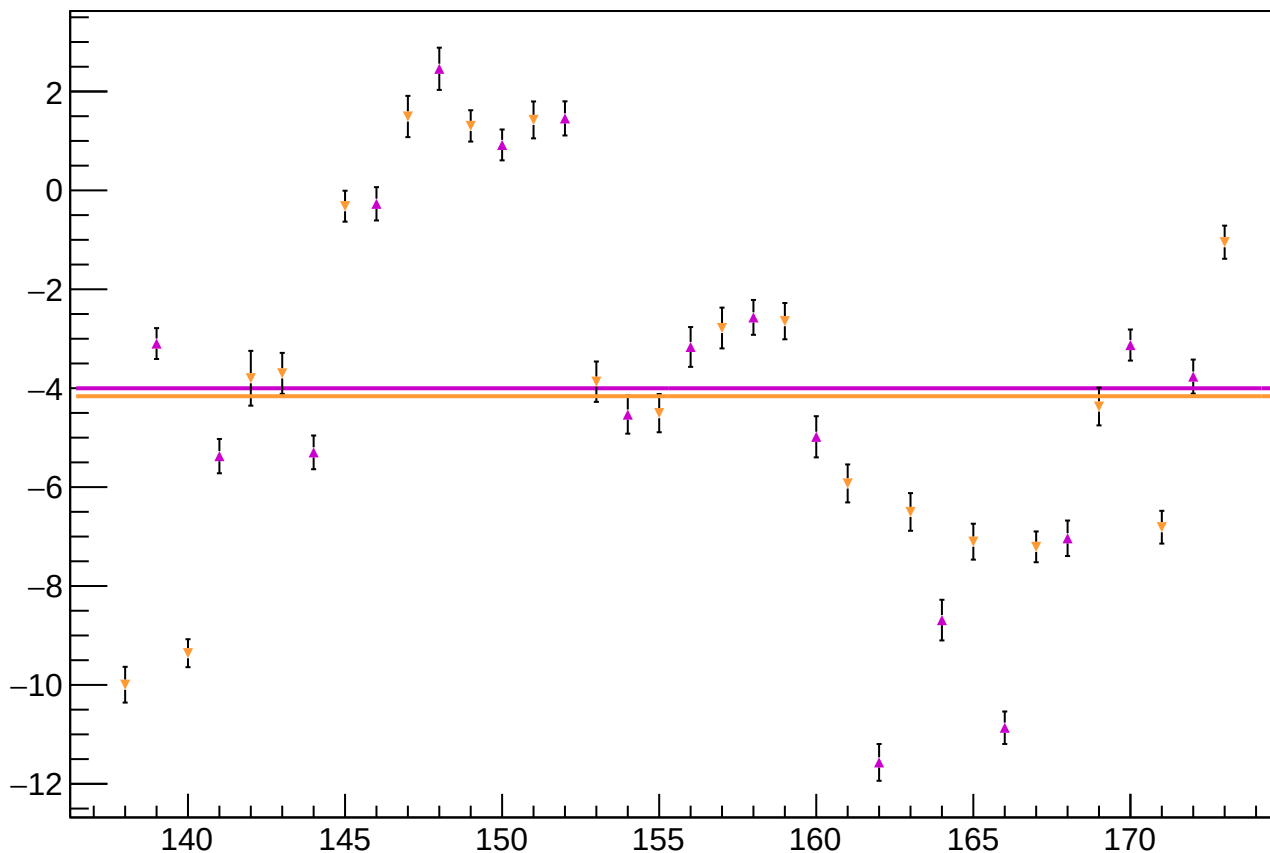
Right: -19.001 ± 0.013 $\chi^2/\text{NDF}: 204262.7/35$

In: -19.906 ± 0.008 $\chi^2/\text{NDF}: 63898.9/33$

Out: -19.581 ± 0.008 $\chi^2/\text{NDF}: 276003.3/37$

All: -19.738 ± 0.006 $\chi^2/\text{NDF}: 340669.7/71$

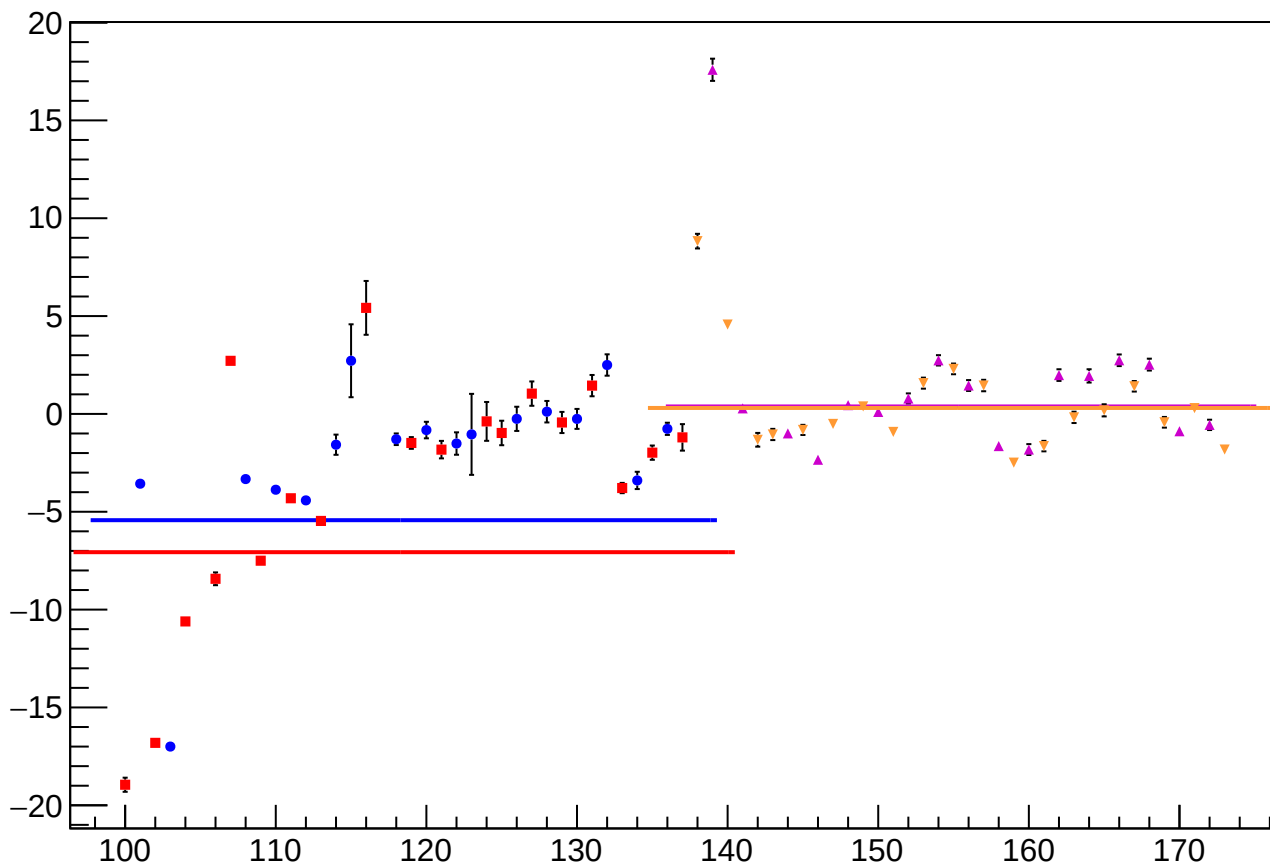
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: -4.162 $\pm$ 0.083 χ^2/NDF :1855.5/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: -4.002 $\pm$ 0.086 χ^2/NDF :1976.6/16

Left: -4.085 $\pm$ 0.060 χ^2/NDF : 3833.8/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: -4.002 $\pm$ 0.086 χ^2/NDF :1976.6/16
 Out: -4.162 $\pm$ 0.083 χ^2/NDF :1855.5/18
 All: -4.085 $\pm$ 0.060 χ^2/NDF : 3833.8/35

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.431+/-0.055 χ^2/NDF : 9233.8/16

Left Out: 0.304+/-0.060 χ^2/NDF :1315.9/18

Right Out: -7.066+/-0.059 χ^2/NDF : 12306.6/18

Left In: 0.381+/-0.063 χ^2/NDF :1550.3/16

Left: 0.341+/-0.044 χ^2/NDF : 2867.0/35

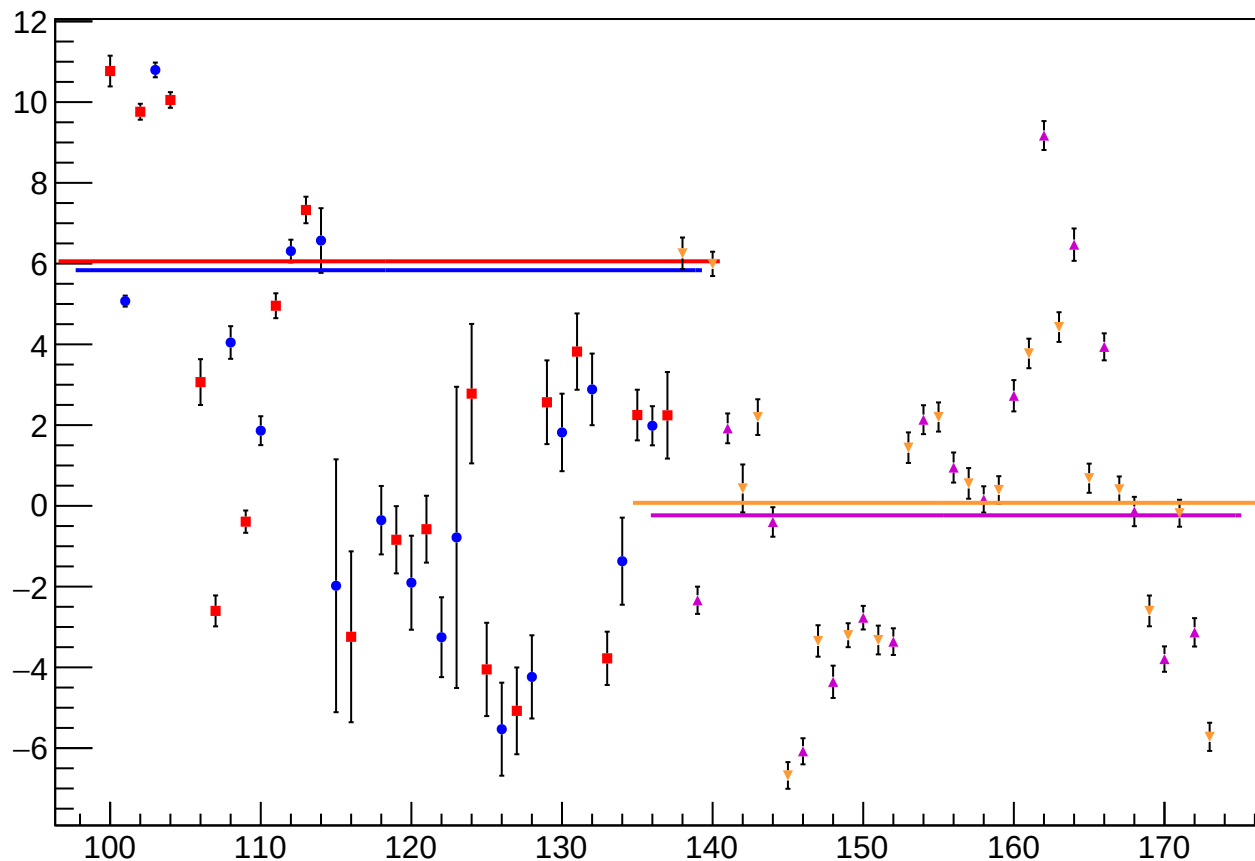
Right: -6.189+/-0.040 χ^2/NDF : 21952.0/35

In: -2.939+/-0.041 χ^2/NDF :15595.8/33

Out: -3.448+/-0.042 χ^2/NDF :21275.2/37

All: -3.189+/-0.030 χ^2/NDF : 36945.3/71

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 $\pm$ 0.090 χ^2 /NDF: 1440.9/16

Left Out: 0.076 $\pm$ 0.082 χ^2 /NDF:1987.1/18

Right Out: 6.057 $\pm$ 0.093 χ^2 /NDF: 2668.9/18

Left In: -0.234 $\pm$ 0.084 χ^2 /NDF:2107.1/16

Left: -0.076 $\pm$ 0.059 χ^2 /NDF: 4101.1/35

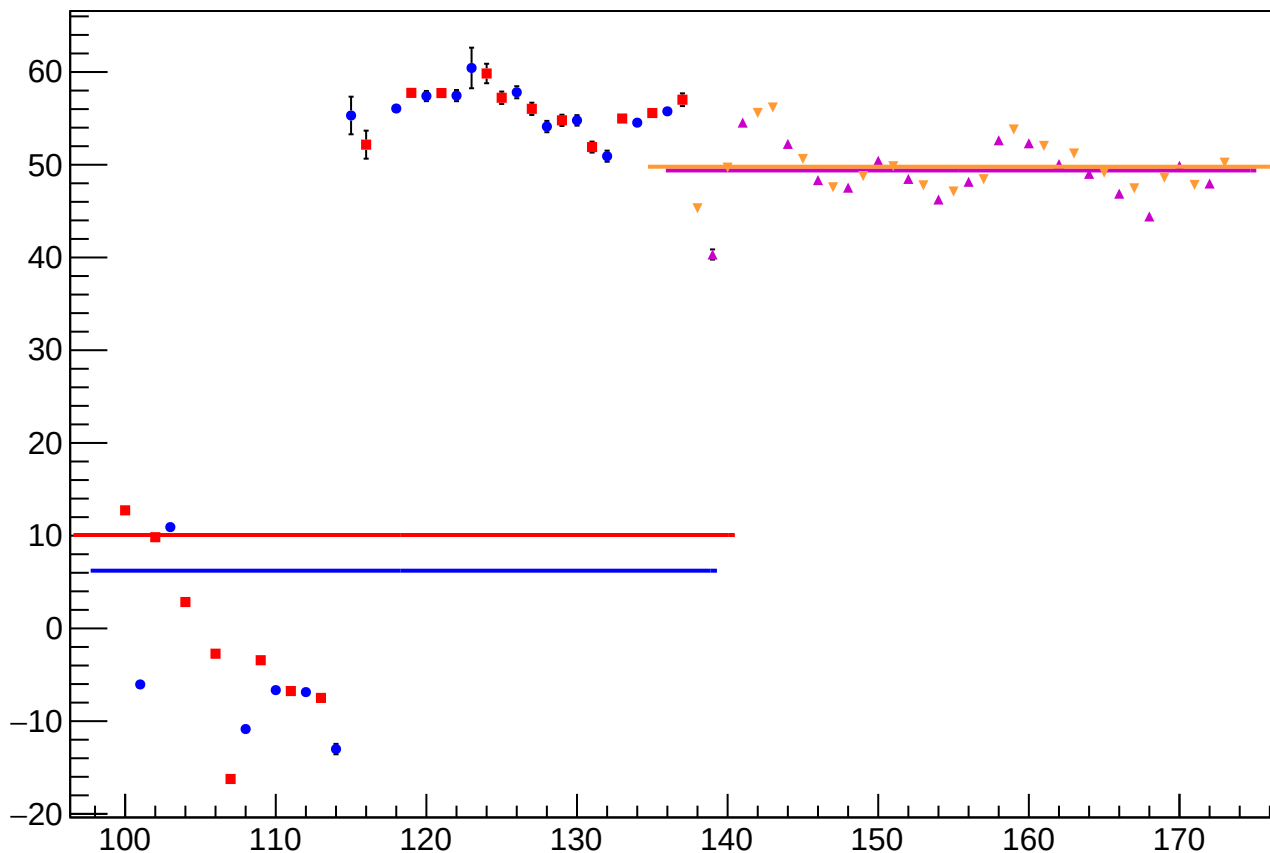
Right: 5.942 $\pm$ 0.065 χ^2 /NDF: 4112.7/35

In: 2.620 $\pm$ 0.061 χ^2 /NDF:5976.8/33

Out: 2.697 $\pm$ 0.062 χ^2 /NDF:6963.7/37

All: 2.658 $\pm$ 0.044 χ^2 /NDF: 12941.2/71

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226+/-0.065 χ^2/NDF : 120955.1/16

Left Out: 49.790+/-0.069 χ^2/NDF :1306.7/18

Right Out: 10.075+/-0.070 χ^2/NDF : 122049.3/18

Left In: 49.385+/-0.073 χ^2/NDF :1425.4/16

Left: 49.597+/-0.050 χ^2/NDF : 2748.5/35

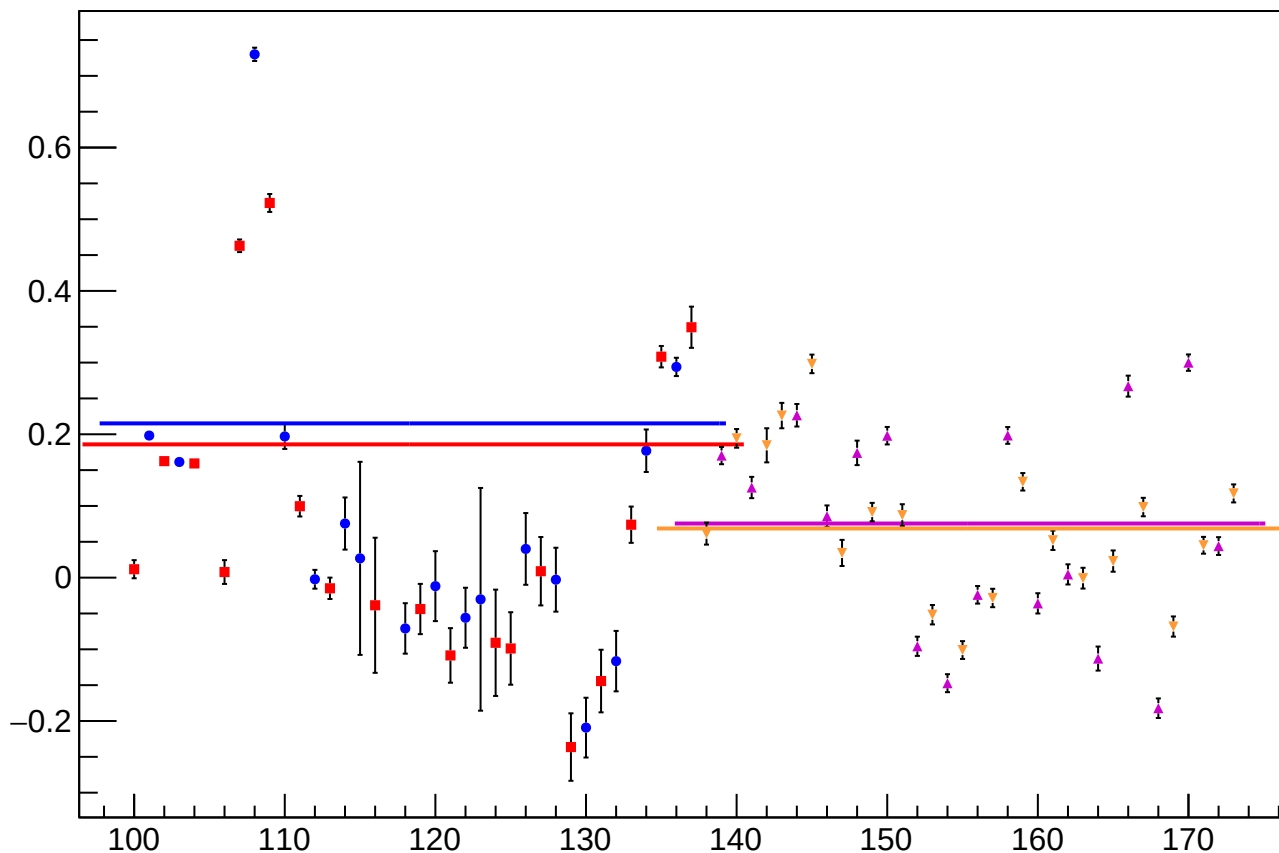
Right: 8.011+/-0.047 χ^2/NDF : 244638.0/35

In: 25.394+/-0.048 χ^2/NDF :319211.0/33

Out: 30.086+/-0.049 χ^2/NDF :286775.4/37

All: 27.702+/-0.034 χ^2/NDF : 610623.0/71

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 χ^2/NDF : 3925.9/16

Left Out: 0.069 ± 0.003 χ^2/NDF : 1022.0/18

Right Out: 0.186 ± 0.003 χ^2/NDF : 2718.1/18

Left In: 0.076 ± 0.003 χ^2/NDF : 2087.5/16

Left: 0.072 ± 0.002 χ^2/NDF : 3111.9/35

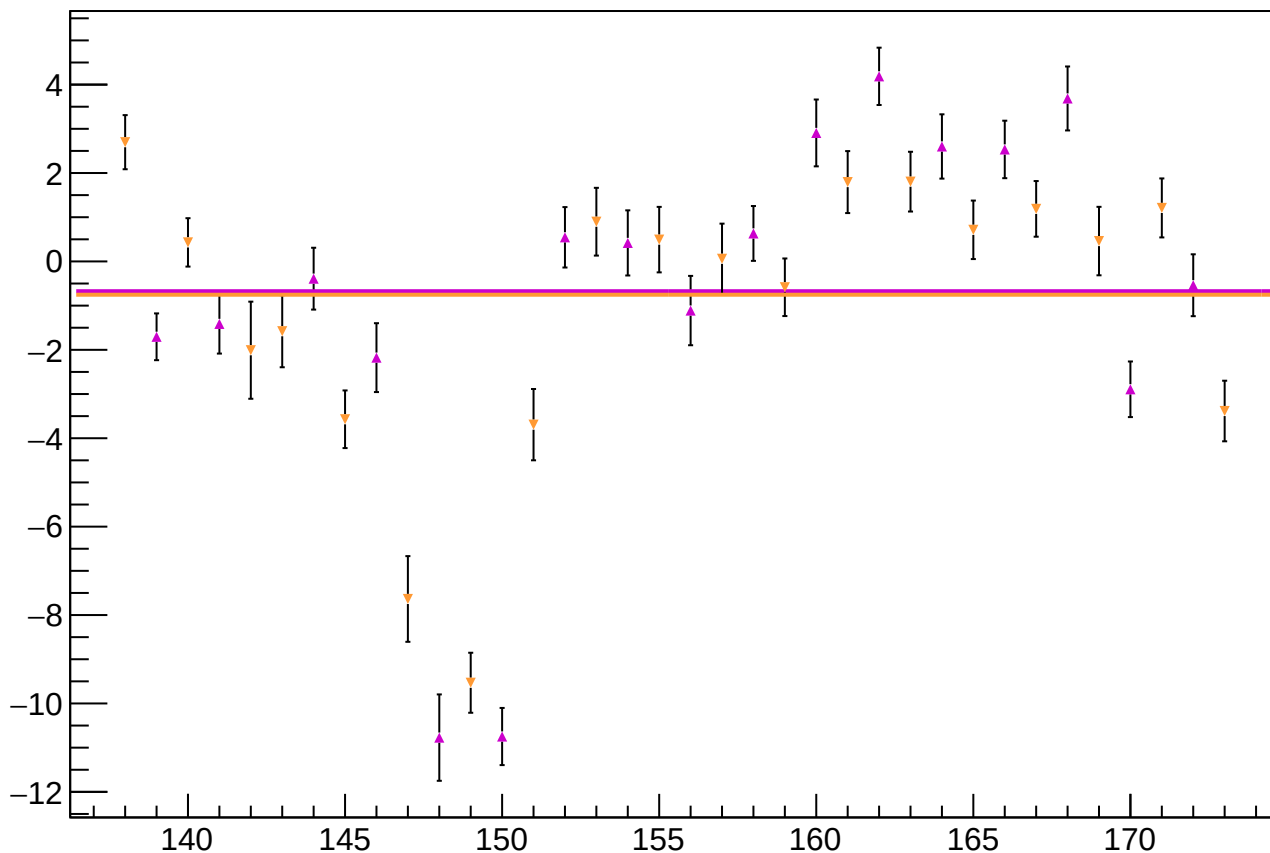
Right: 0.200 ± 0.002 χ^2/NDF : 6701.6/35

In: 0.157 ± 0.002 χ^2/NDF : 7076.7/33

Out: 0.137 ± 0.002 χ^2/NDF : 4532.9/37

All: 0.147 ± 0.001 χ^2/NDF : 11654.4/71

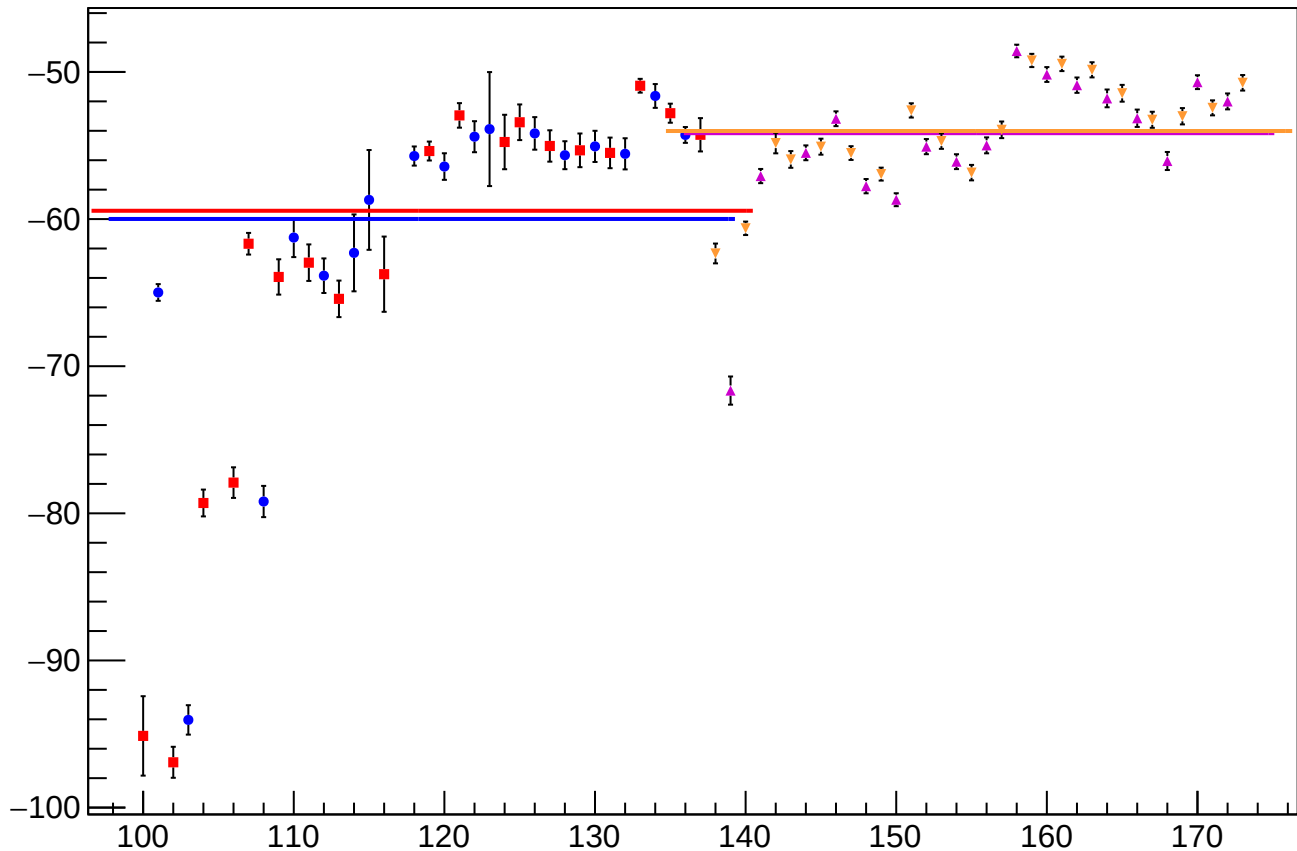
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.753 $\pm$ 0.162 χ^2 /NDF:364.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.674 $\pm$ 0.167 χ^2 /NDF:540.7/16

Left: -0.715 $\pm$ 0.116 χ^2 /NDF: 905.6/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.674 $\pm$ 0.167 χ^2 /NDF:540.7/16
 Out: -0.753 $\pm$ 0.162 χ^2 /NDF:364.7/18
 All: -0.715 $\pm$ 0.116 χ^2 /NDF: 905.6/35

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.014 ± 0.120 χ^2/NDF : 810.6/18

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

Left In: -54.161 ± 0.126 χ^2/NDF : 931.0/16

Left: -54.084 ± 0.087 χ^2/NDF : 1742.3/35

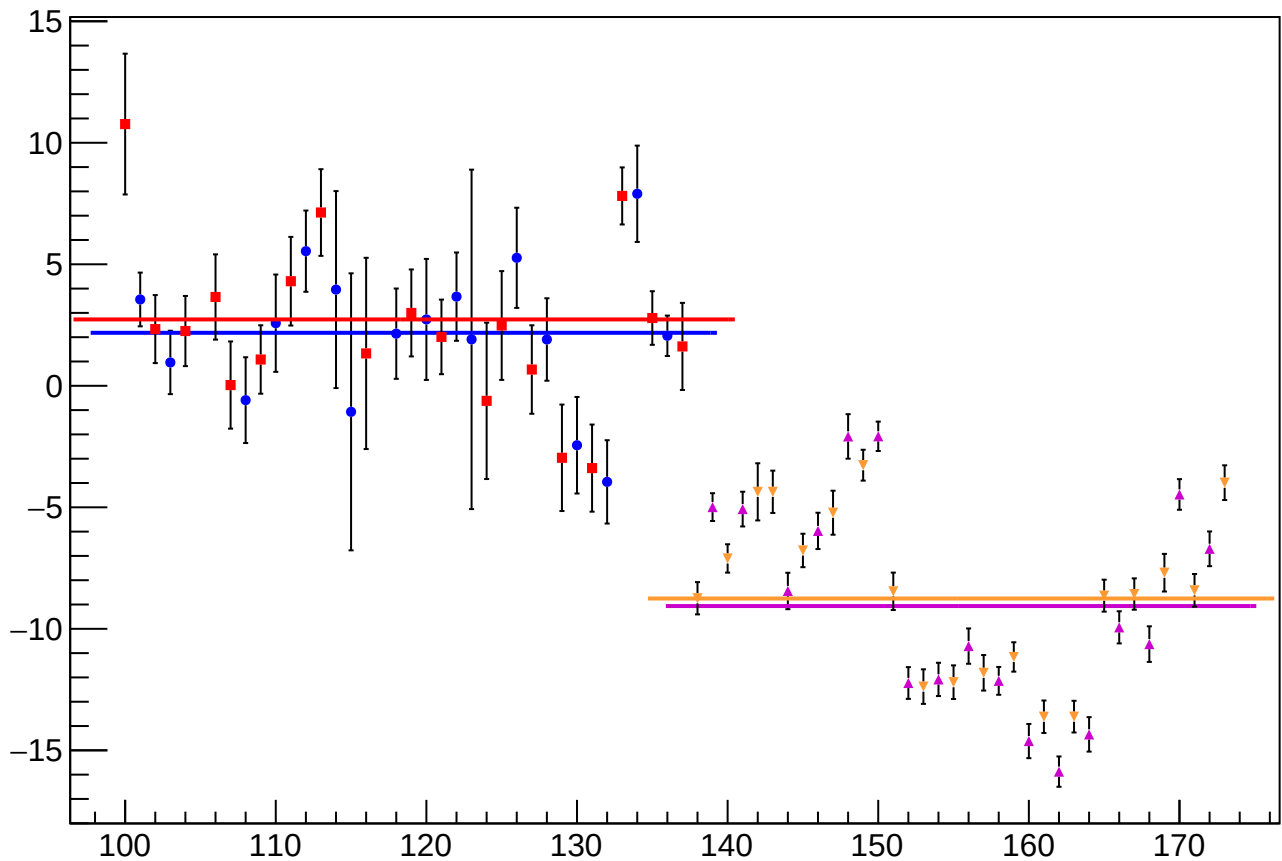
Right: -59.697 ± 0.154 χ^2/NDF : 4894.0/35

In: -55.554 ± 0.110 χ^2/NDF : 3415.3/33

Out: -55.325 ± 0.104 χ^2/NDF : 4224.4/37

All: -55.434 ± 0.076 χ^2/NDF : 7641.9/71

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -8.752 ± 0.161 $\chi^2/\text{NDF}: 385.1/18$

Right Out: 2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

Left In: -9.063 ± 0.164 $\chi^2/\text{NDF}: 675.3/16$

Left: -8.905 ± 0.115 $\chi^2/\text{NDF}: 1062.2/35$

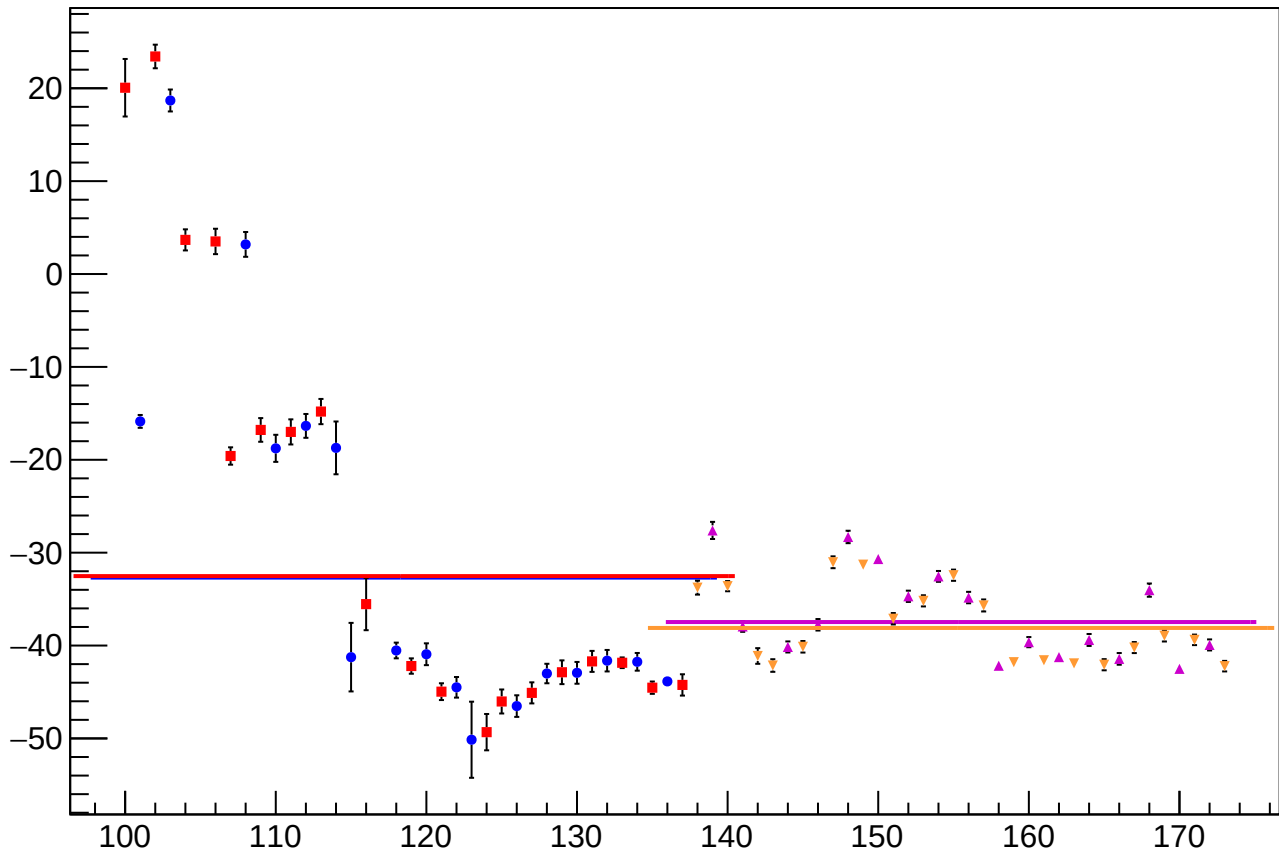
Right: 2.468 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$

In: -7.481 ± 0.152 $\chi^2/\text{NDF}: 1374.5/33$

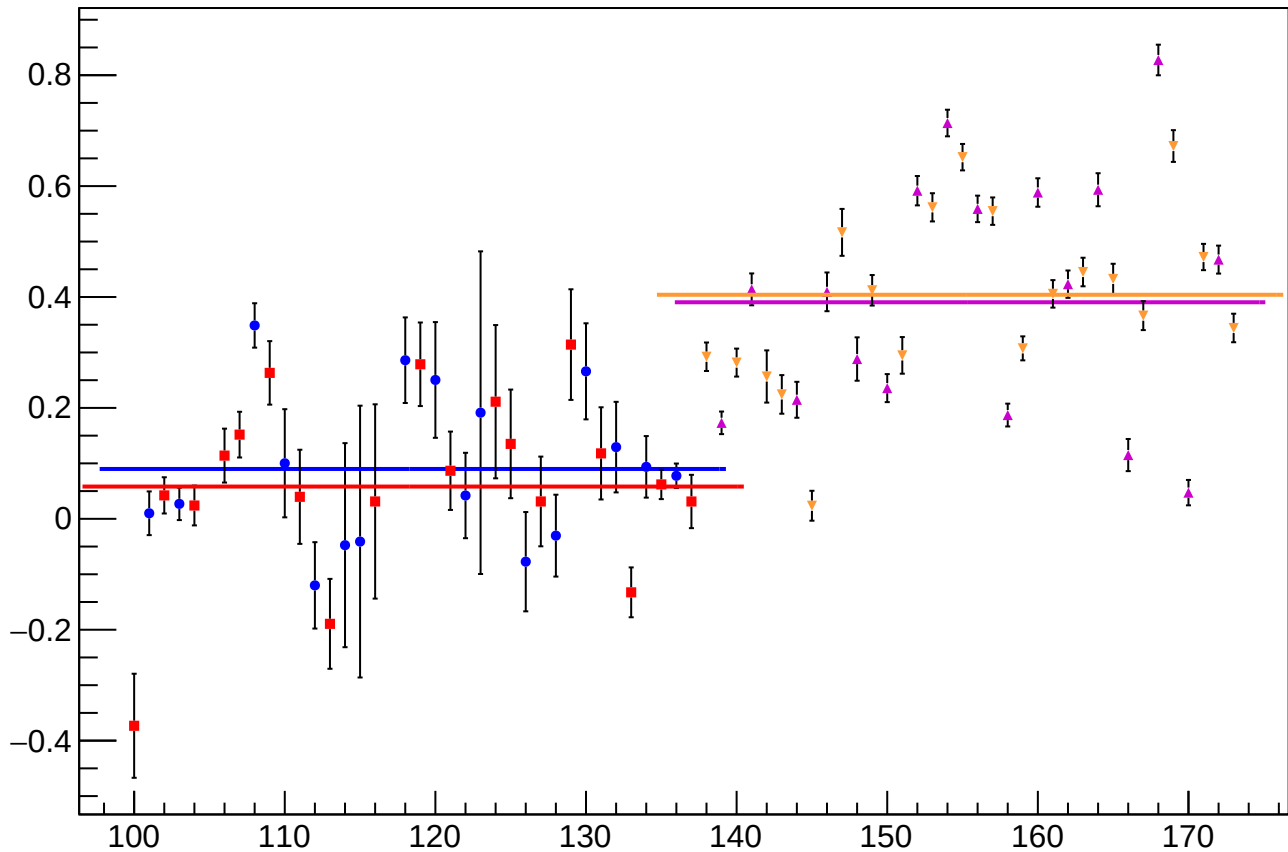
Out: -7.065 ± 0.149 $\chi^2/\text{NDF}: 1191.3/37$

All: -7.269 ± 0.106 $\chi^2/\text{NDF}: 2569.7/71$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 78.8/16$

Left Out: 0.404 ± 0.006 $\chi^2/\text{NDF}: 607.1/18$

Right Out: 0.058 ± 0.012 $\chi^2/\text{NDF}: 87.1/18$

Left In: 0.391 ± 0.006 $\chi^2/\text{NDF}: 1257.6/16$

Left: 0.397 ± 0.004 $\chi^2/\text{NDF}: 1867.0/35$

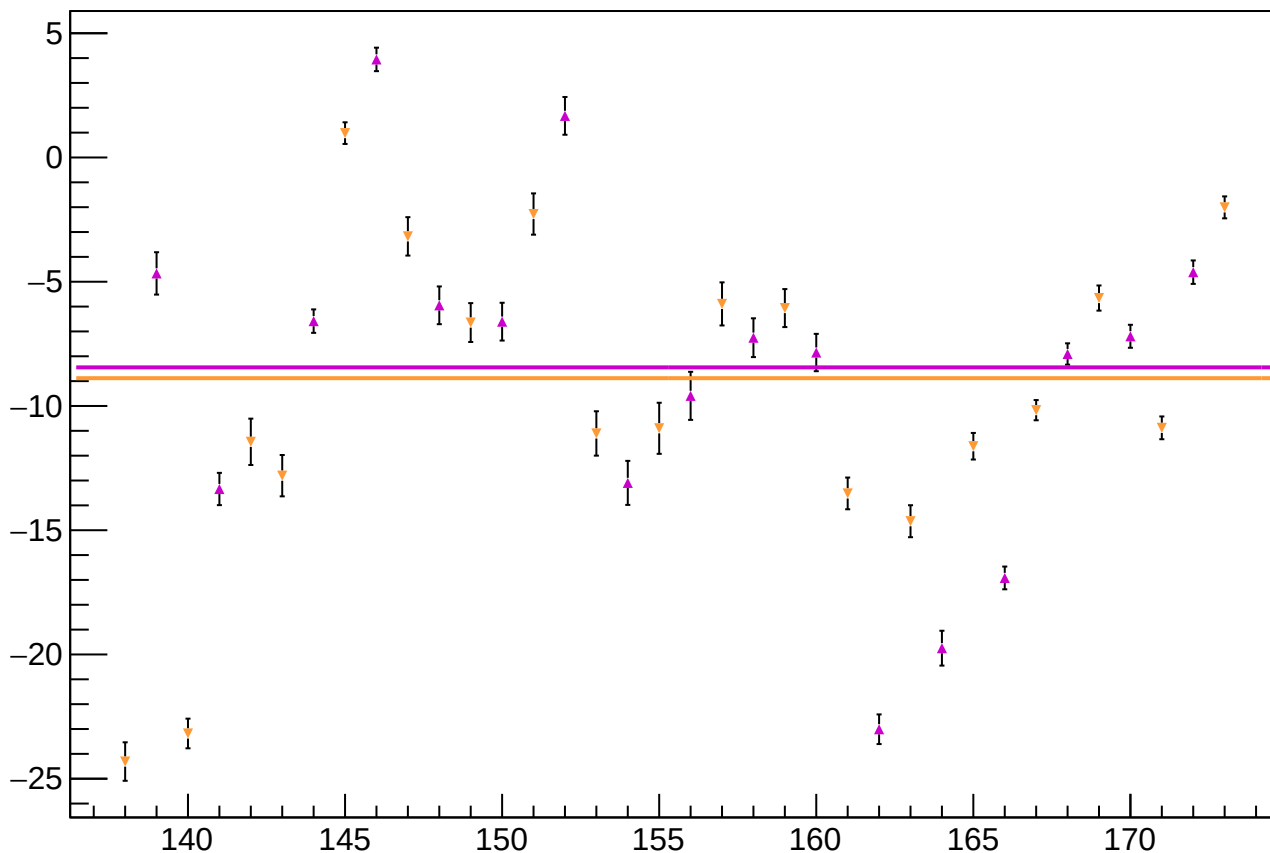
Right: 0.073 ± 0.009 $\chi^2/\text{NDF}: 169.1/35$

In: 0.331 ± 0.006 $\chi^2/\text{NDF}: 1783.4/33$

Out: 0.333 ± 0.006 $\chi^2/\text{NDF}: 1335.6/37$

All: 0.332 ± 0.004 $\chi^2/\text{NDF}: 3119.0/71$

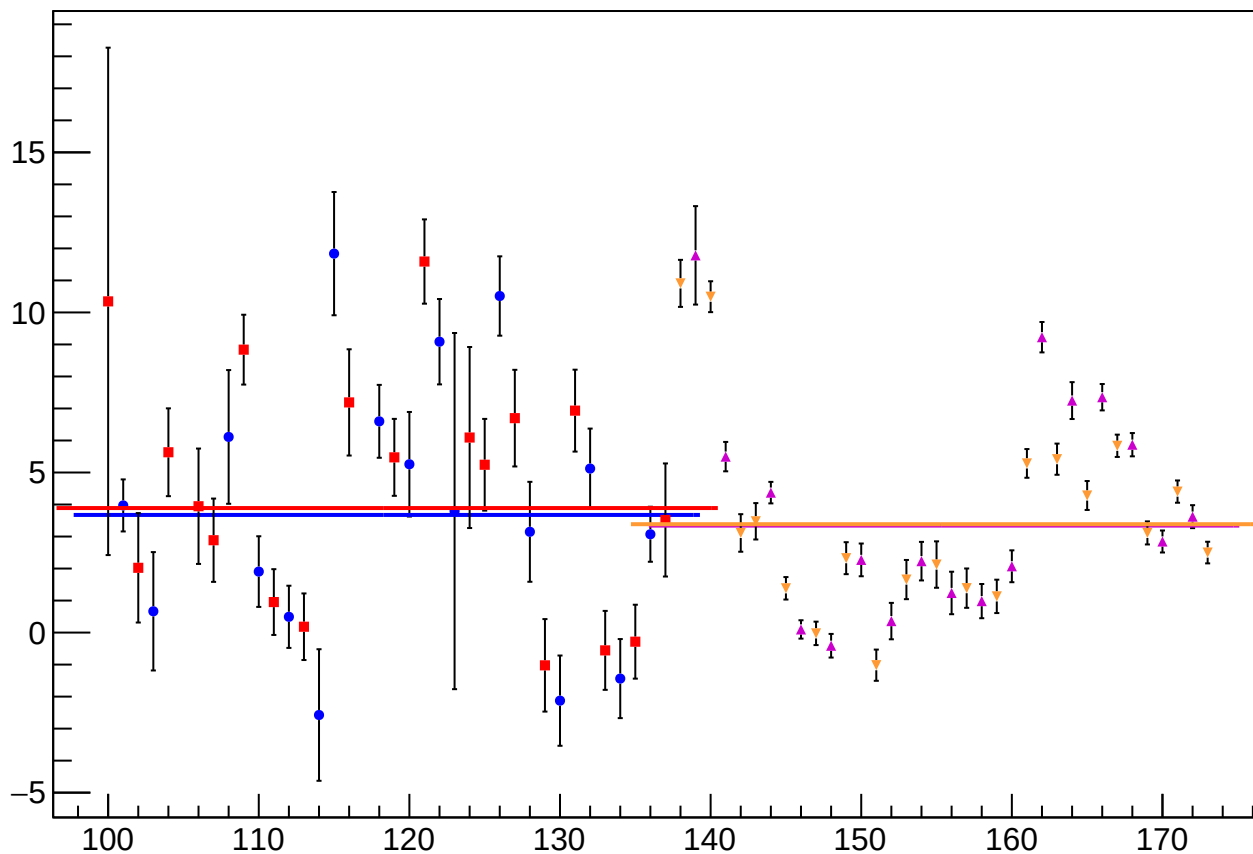
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.882+/-0.141 χ^2/NDF :2144.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.447+/-0.145 χ^2/NDF :2278.7/16

Left: -8.670+/-0.101 χ^2/NDF : 4427.6/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.447+/-0.145 χ^2/NDF :2278.7/16
 Out: -8.882+/-0.141 χ^2/NDF :2144.2/18
 All: -8.670+/-0.101 χ^2/NDF : 4427.6/35

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 ± 0.310 χ^2/NDF : 135.2/16

Left Out: 3.385 ± 0.103 χ^2/NDF : 672.5/18

Right Out: 3.890 ± 0.316 χ^2/NDF : 133.7/18

Left In: 3.342 ± 0.105 χ^2/NDF : 709.4/16

Left: 3.364 ± 0.074 χ^2/NDF : 1382.0/35

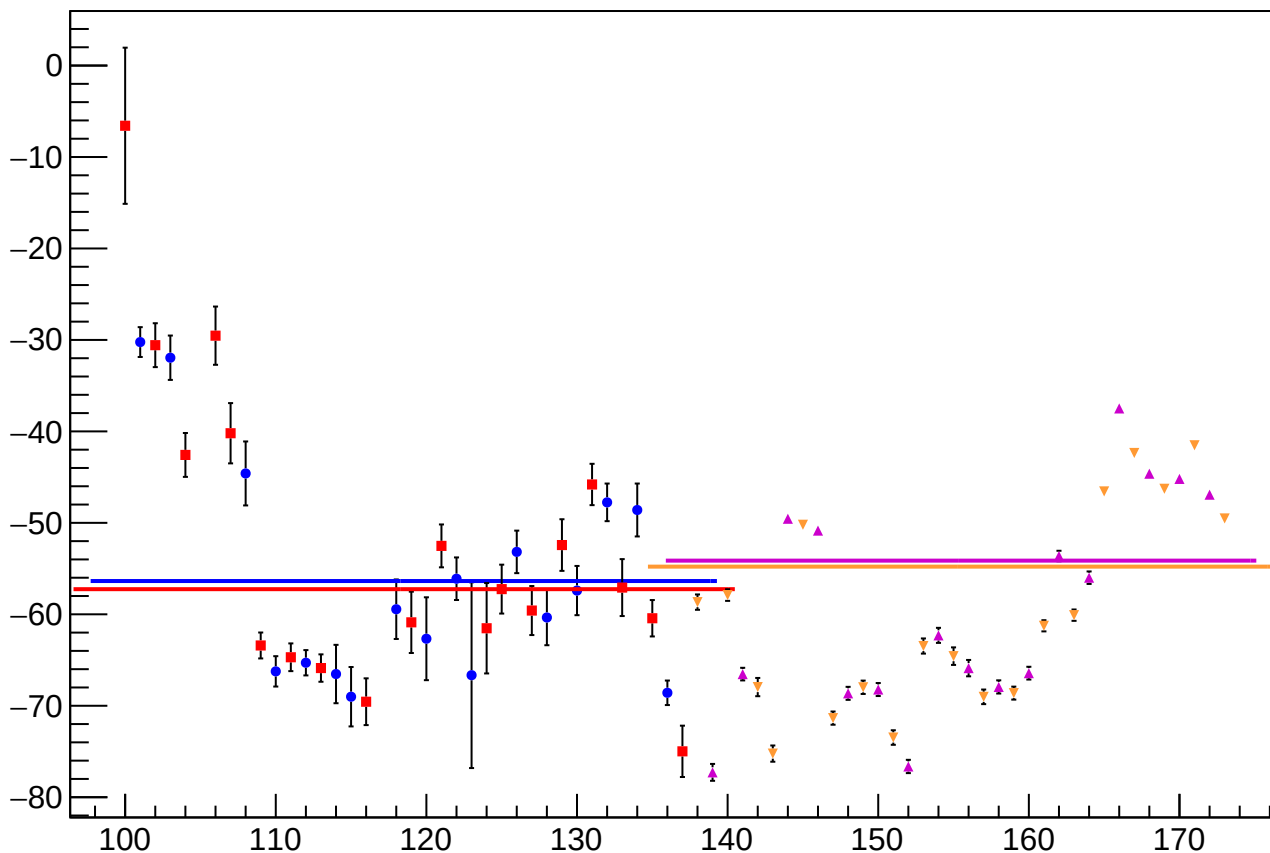
Right: 3.780 ± 0.221 χ^2/NDF : 269.1/35

In: 3.376 ± 0.100 χ^2/NDF : 845.6/33

Out: 3.434 ± 0.098 χ^2/NDF : 808.5/37

All: 3.406 ± 0.070 χ^2/NDF : 1654.3/71

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -54.787 ± 0.141 χ^2/NDF : 5721.0/18

Right Out: -57.252 ± 0.536 χ^2/NDF : 476.0/18

Left In: -54.131 ± 0.143 χ^2/NDF : 6157.8/16

Left: -54.464 ± 0.101 χ^2/NDF : 11889.4/35

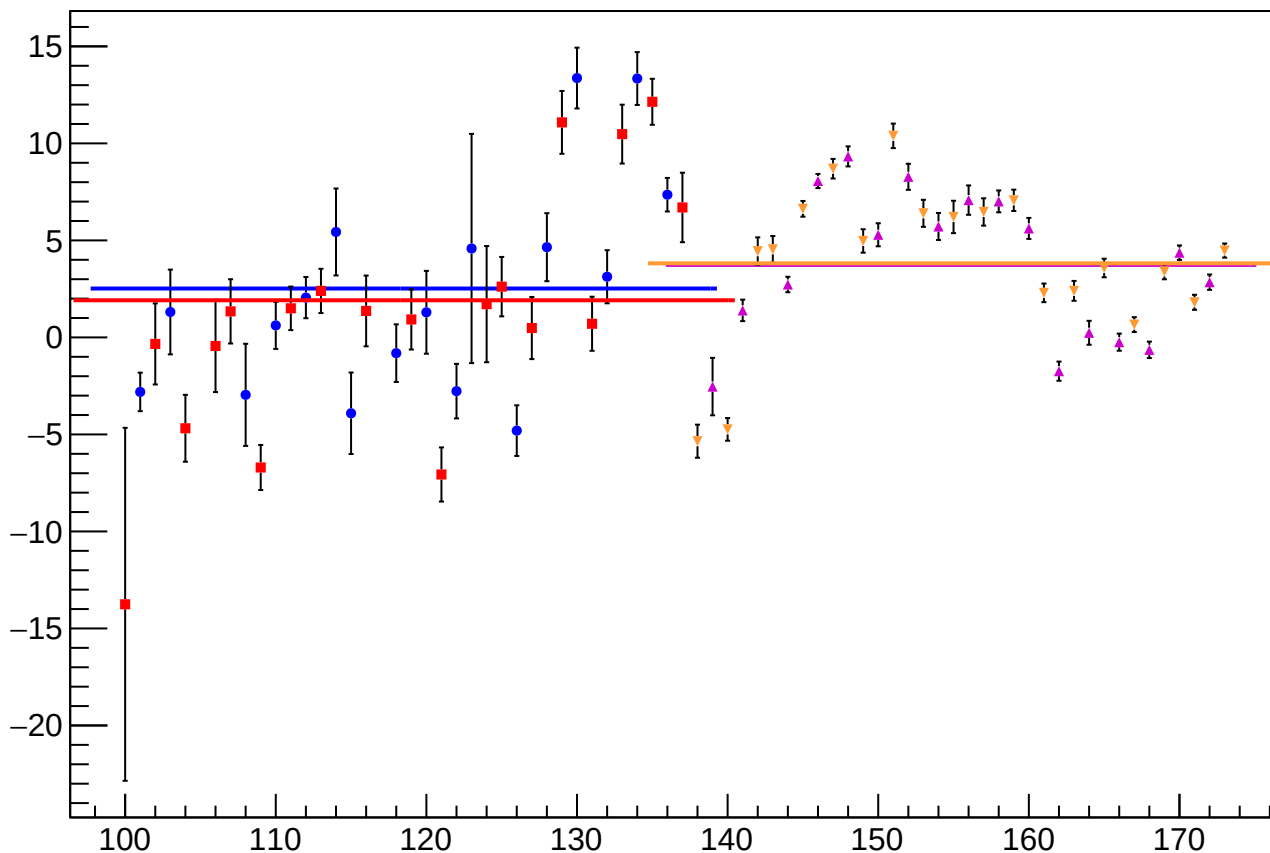
Right: -56.813 ± 0.382 χ^2/NDF : 1064.6/35

In: -54.276 ± 0.139 χ^2/NDF : 6760.8/33

Out: -54.947 ± 0.136 χ^2/NDF : 6216.8/37

All: -54.617 ± 0.097 χ^2/NDF : 12989.4/71

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 3.818 ± 0.118 χ^2/NDF : 773.9/18

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

Left In: 3.737 ± 0.122 χ^2/NDF : 777.0/16

Left: 3.779 ± 0.085 χ^2/NDF : 1551.1/35

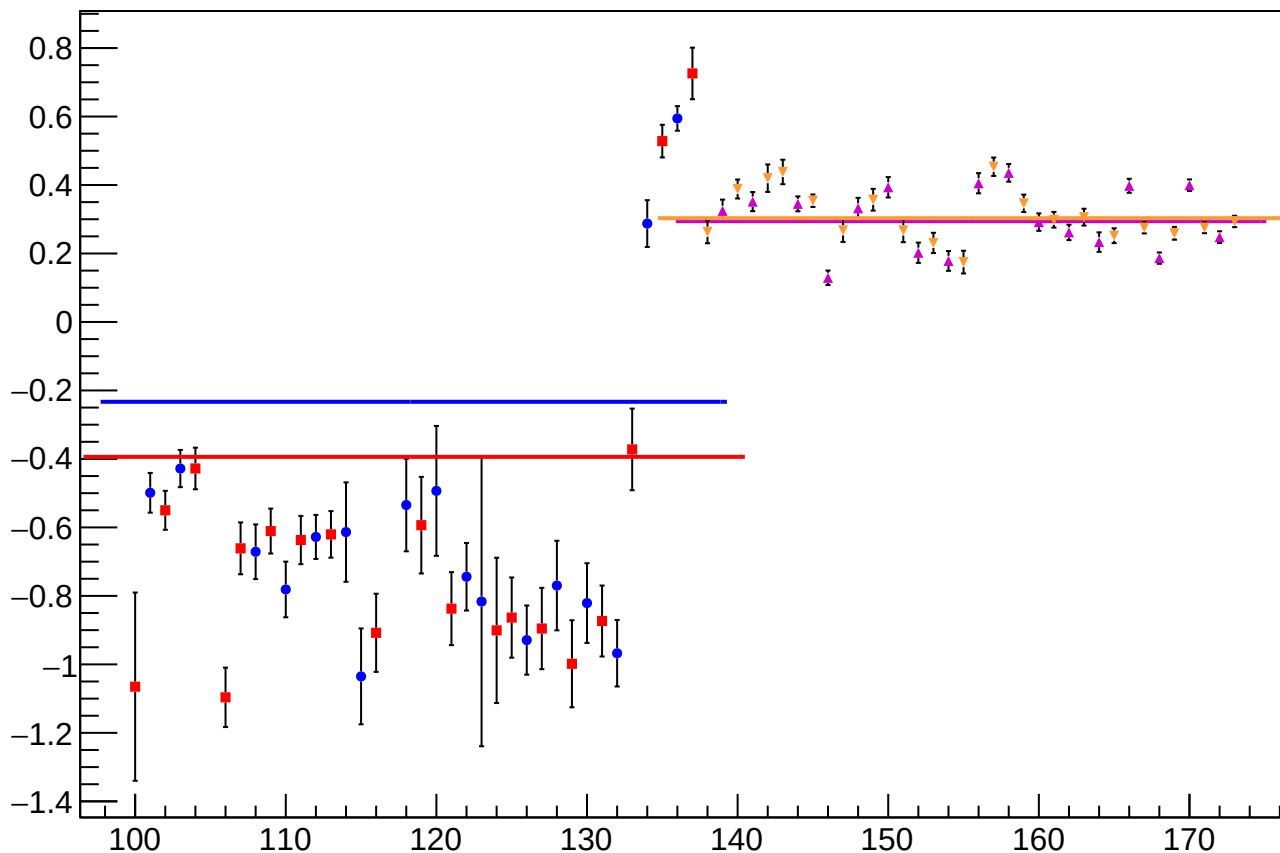
Right: 2.224 ± 0.248 χ^2/NDF : 508.4/35

In: 3.604 ± 0.115 χ^2/NDF : 1030.3/33

Out: 3.629 ± 0.112 χ^2/NDF : 1064.3/37

All: 3.617 ± 0.080 χ^2/NDF : 2094.7/71

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.233 ± 0.019 χ^2/NDF : 956.8/16

Left Out: 0.303 ± 0.005 χ^2/NDF : 118.7/18

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

Left In: 0.294 ± 0.006 χ^2/NDF : 274.5/16

Left: 0.299 ± 0.004 χ^2/NDF : 394.4/35

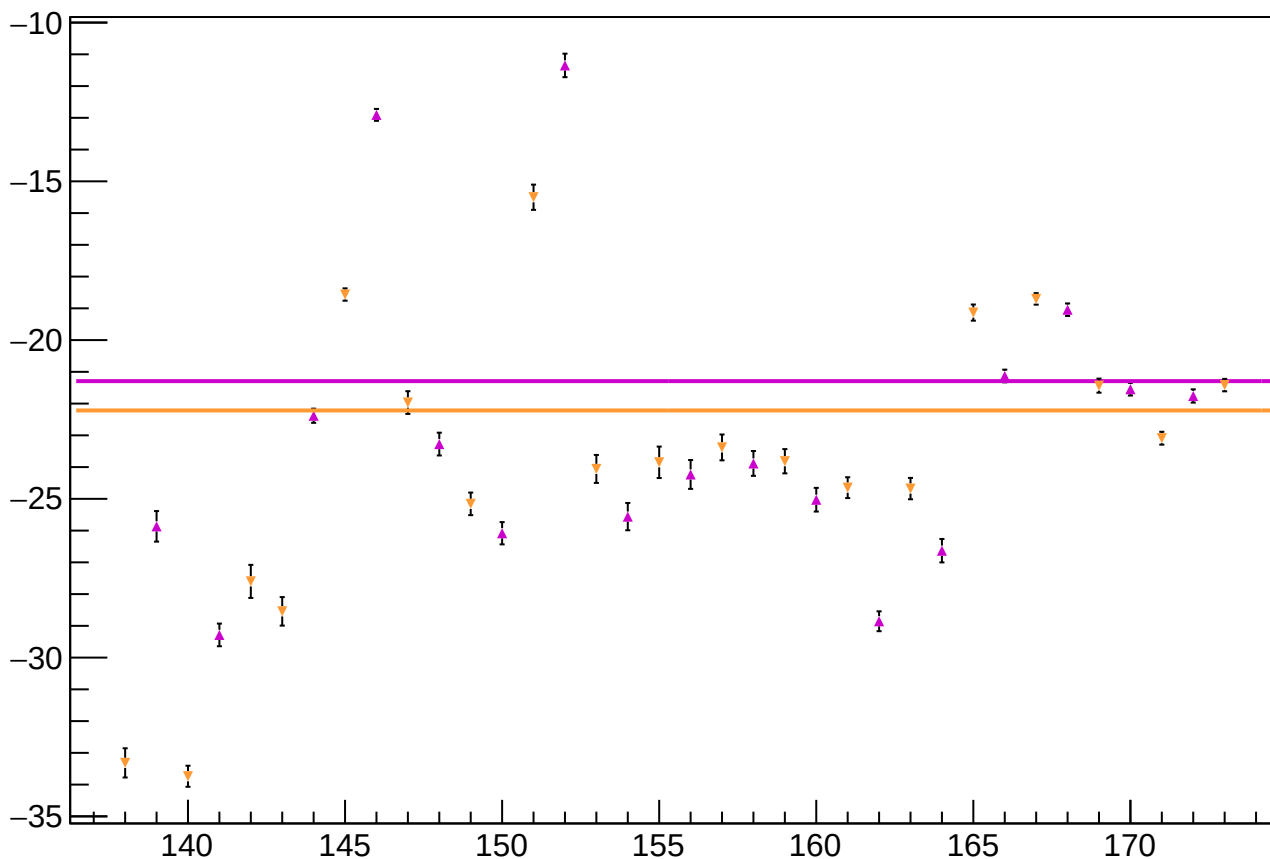
Right: -0.313 ± 0.013 χ^2/NDF : 1838.0/35

In: 0.251 ± 0.005 χ^2/NDF : 1946.3/33

Out: 0.250 ± 0.005 χ^2/NDF : 2209.3/37

All: 0.251 ± 0.004 χ^2/NDF : 4155.6/71

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -22.217+/-0.066 χ^2/NDF : 3527.7/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -21.292+/-0.067 χ^2/NDF : 4772.5/16

Left: -21.758+/-0.047 χ^2/NDF : 8396.6/35

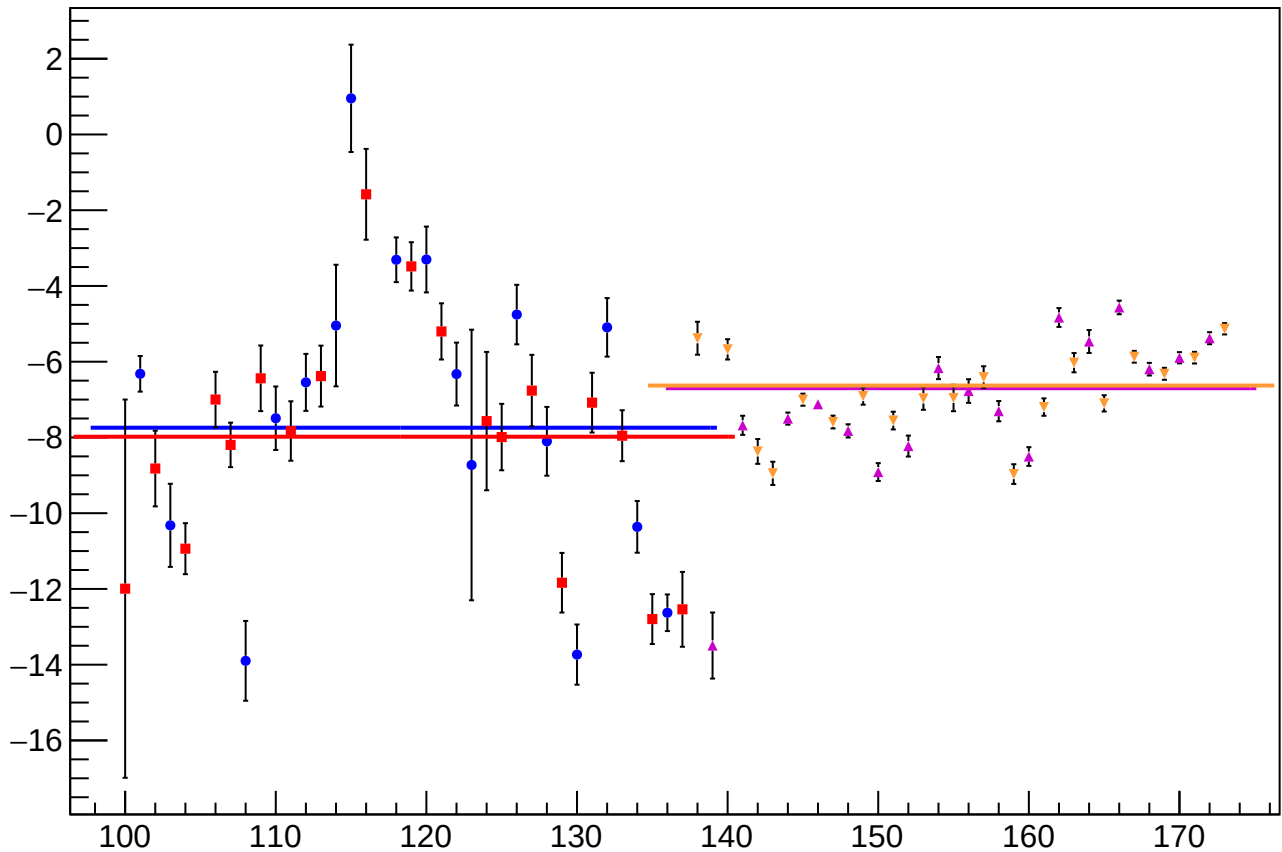
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -21.292+/-0.067 χ^2/NDF : 4772.5/16

Out: -22.217+/-0.066 χ^2/NDF : 3527.7/18

All: -21.758+/-0.047 χ^2/NDF : 8396.6/35

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.743 ± 0.187 χ^2/NDF : 377.5/16

Left Out: -6.630 ± 0.049 χ^2/NDF : 412.0/18

Right Out: -7.981 ± 0.186 χ^2/NDF : 223.5/18

Left In: -6.700 ± 0.049 χ^2/NDF : 657.1/16

Left: -6.665 ± 0.034 χ^2/NDF : 1070.2/35

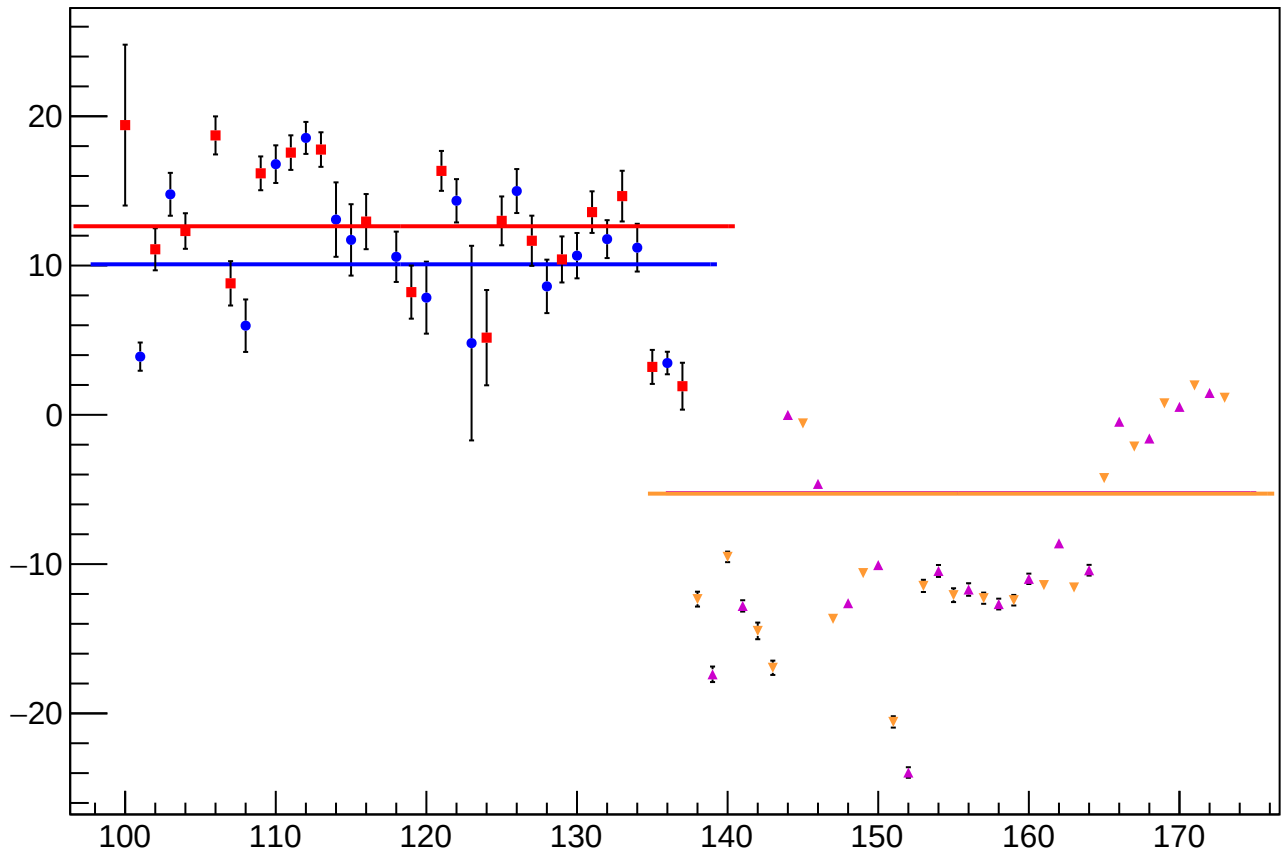
Right: -7.863 ± 0.132 χ^2/NDF : 601.9/35

In: -6.766 ± 0.047 χ^2/NDF : 1063.7/33

Out: -6.717 ± 0.047 χ^2/NDF : 685.0/37

All: -6.741 ± 0.033 χ^2/NDF : 1749.3/71

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 $\chi^2/\text{NDF}: 252.7/16$

Left Out: -5.280 ± 0.066 $\chi^2/\text{NDF}: 9490.2/18$

Right Out: 12.632 ± 0.333 $\chi^2/\text{NDF}: 218.6/18$

Left In: -5.243 ± 0.066 $\chi^2/\text{NDF}: 9062.3/16$

Left: -5.261 ± 0.047 $\chi^2/\text{NDF}: 18552.6/35$

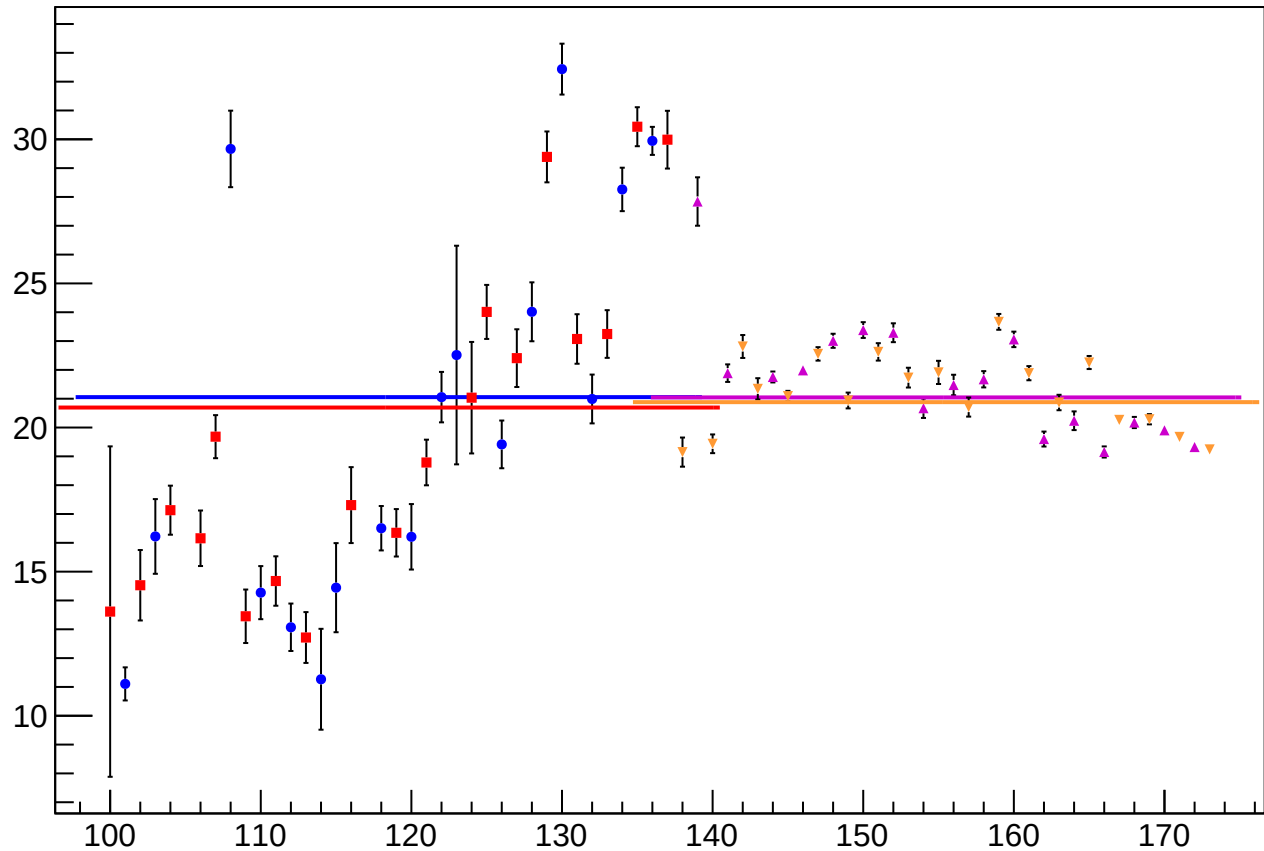
Right: 11.377 ± 0.237 $\chi^2/\text{NDF}: 500.1/35$

In: -4.675 ± 0.065 $\chi^2/\text{NDF}: 11295.7/33$

Out: -4.592 ± 0.065 $\chi^2/\text{NDF}: 12496.5/37$

All: -4.633 ± 0.046 $\chi^2/\text{NDF}: 23793.0/71$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 $\pm$ 0.211 χ^2 /NDF: 1211.8/16

Left Out: 20.881 $\pm$ 0.055 χ^2 /NDF:488.9/18

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

Left In: 21.045 $\pm$ 0.056 χ^2 /NDF:676.6/16

Left: 20.962 $\pm$ 0.039 χ^2 /NDF: 1169.8/35

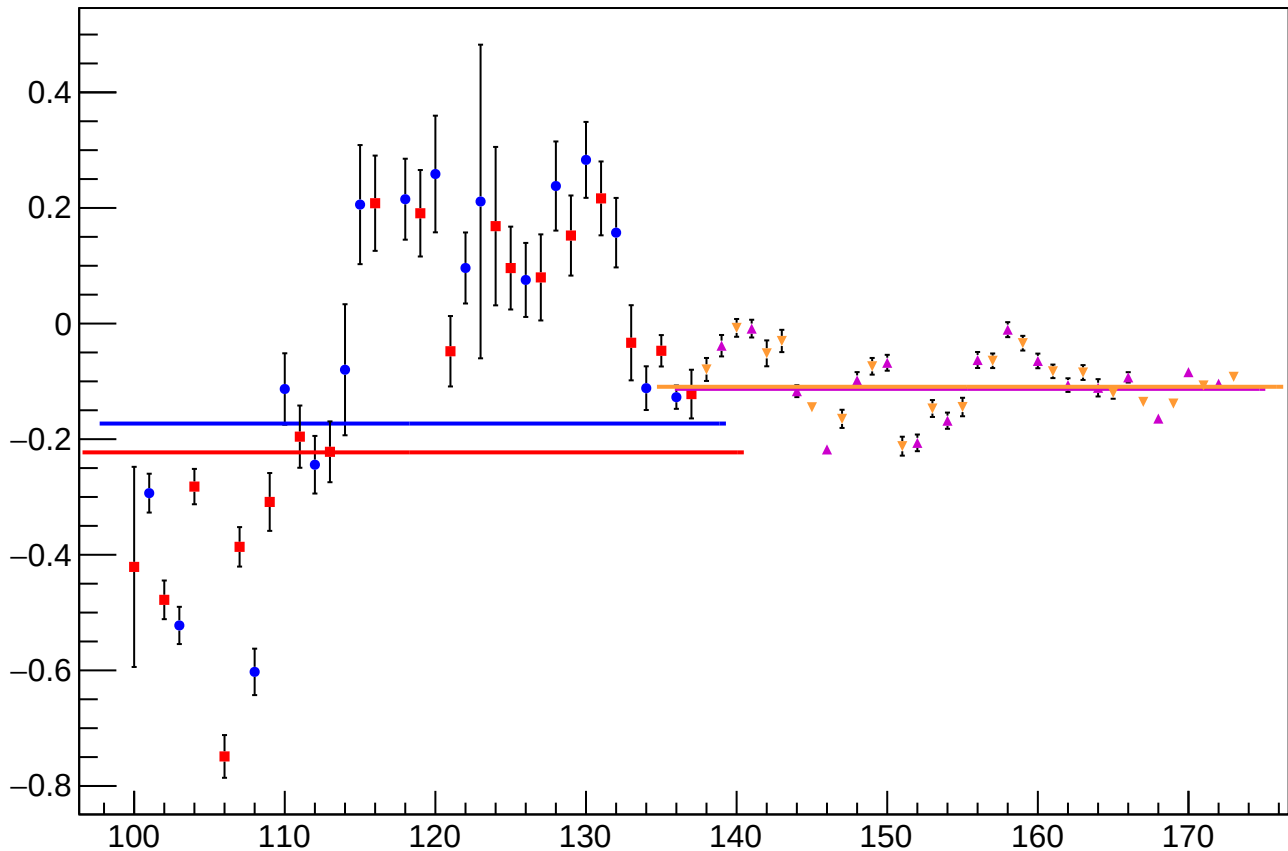
Right: 20.876 $\pm$ 0.150 χ^2 /NDF: 1937.3/35

In: 21.045 $\pm$ 0.054 χ^2 /NDF:1888.4/33

Out: 20.869 $\pm$ 0.054 χ^2 /NDF:1213.7/37

All: 20.956 $\pm$ 0.038 χ^2 /NDF: 3107.4/71

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.109 ± 0.003 χ^2/NDF : 246.1/18

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

Left In: -0.113 ± 0.003 χ^2/NDF : 444.2/16

Left: -0.111 ± 0.002 χ^2/NDF : 691.3/35

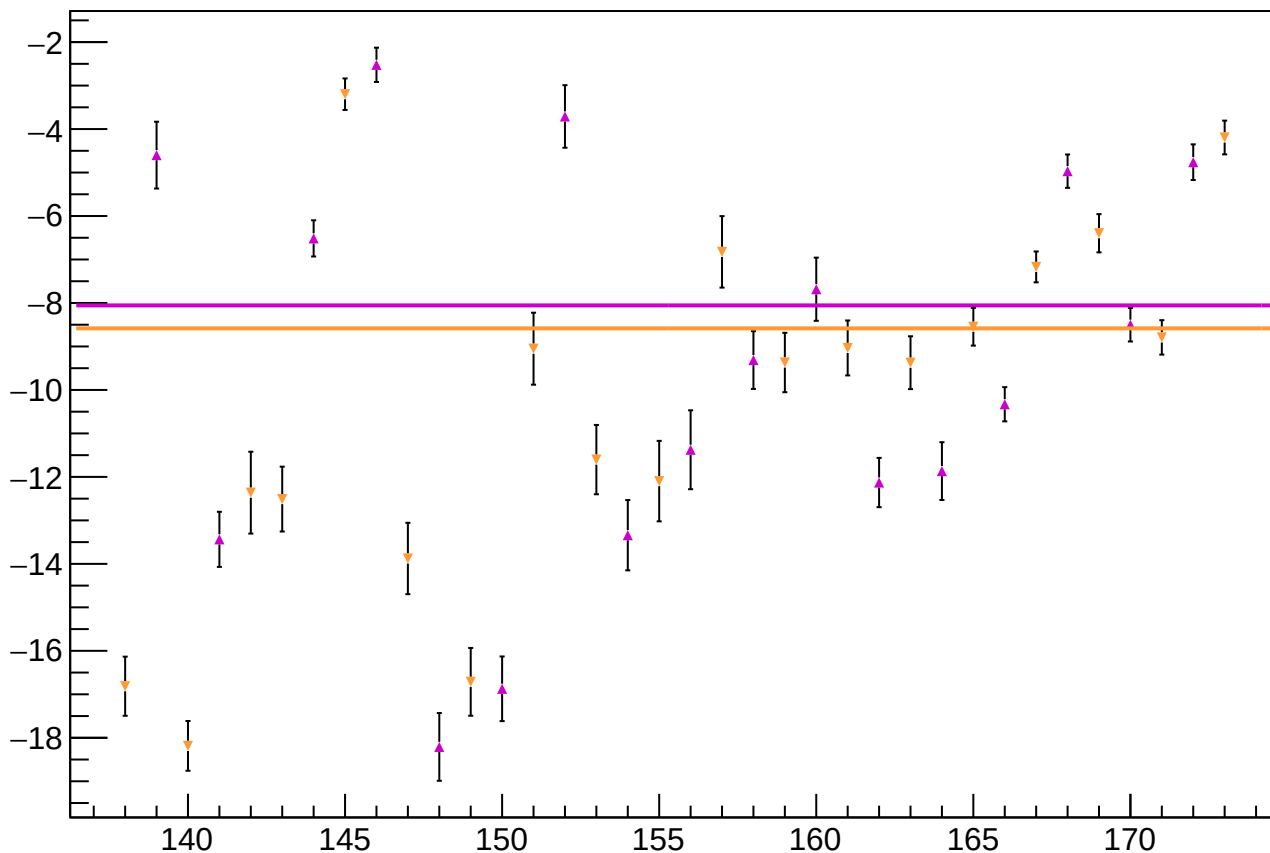
Right: -0.198 ± 0.008 χ^2/NDF : 1007.1/35

In: -0.116 ± 0.003 χ^2/NDF : 933.3/33

Out: -0.115 ± 0.002 χ^2/NDF : 882.9/37

All: -0.116 ± 0.002 χ^2/NDF : 1816.3/71

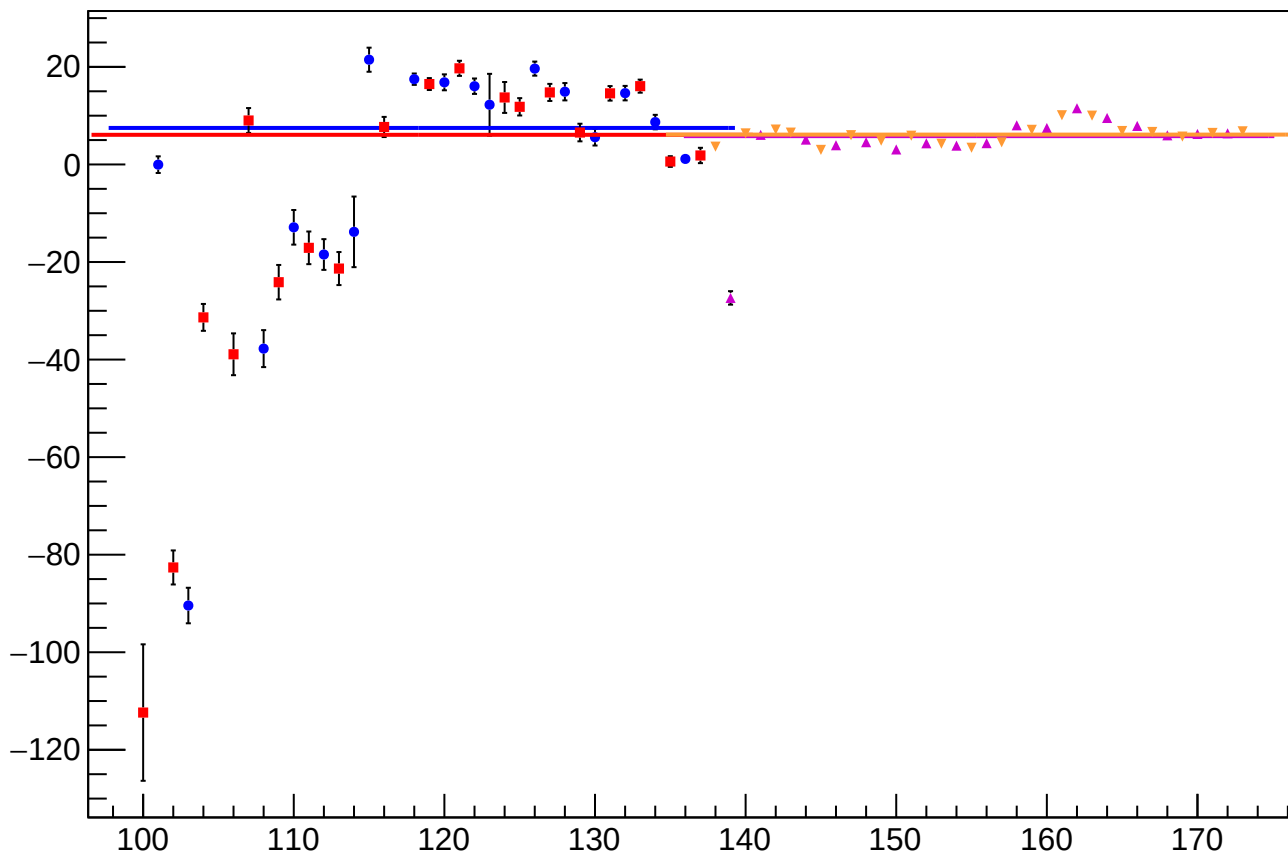
reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.584+/-0.126 χ^2/NDF :1049.0/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.056+/-0.129 χ^2/NDF :958.2/16

Left: -8.327+/-0.090 χ^2/NDF : 2015.9/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.056+/-0.129 χ^2/NDF :958.2/16
 Out: -8.584+/-0.126 χ^2/NDF :1049.0/18
 All: -8.327+/-0.090 χ^2/NDF : 2015.9/35

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.488 ± 0.407 χ^2/NDF : 1340.5/16

Left Out: 6.121 ± 0.093 χ^2/NDF : 350.9/18

Right Out: 6.078 ± 0.434 χ^2/NDF : 1512.1/18

Left In: 5.806 ± 0.095 χ^2/NDF : 987.3/16

Left: 5.966 ± 0.067 χ^2/NDF : 1343.8/35

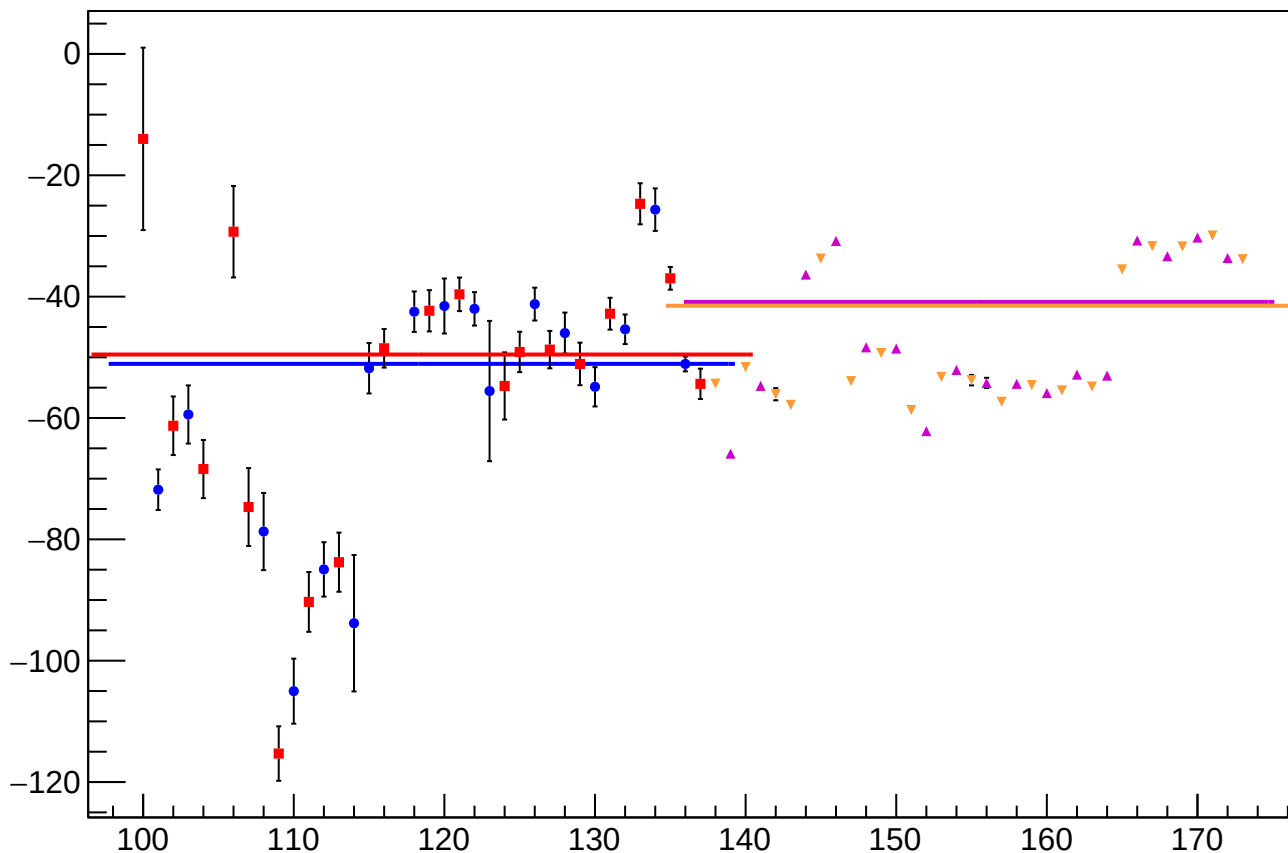
Right: 6.829 ± 0.297 χ^2/NDF : 2858.2/35

In: 5.893 ± 0.093 χ^2/NDF : 2344.0/33

Out: 6.119 ± 0.091 χ^2/NDF : 1863.0/37

All: 6.008 ± 0.065 χ^2/NDF : 4210.1/71

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



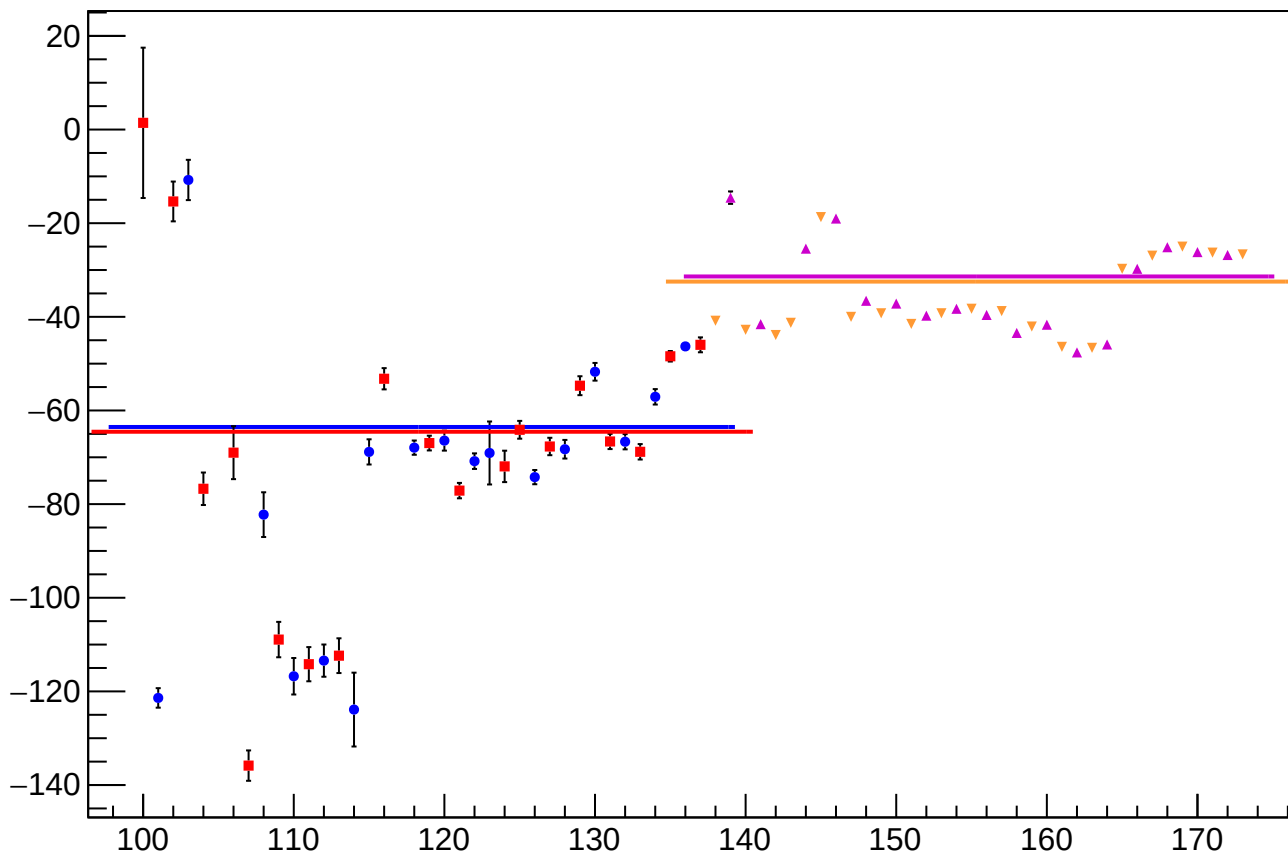
Right In: -51.077 ± 0.741 χ^2/NDF : 330.2/16
 Left Out: -41.502 ± 0.126 χ^2/NDF : 7449.8/18
 Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18
 Left In: -40.867 ± 0.128 χ^2/NDF : 7675.7/16

Left: -41.189 ± 0.090 χ^2/NDF : 15137.9/35
 Right: -50.365 ± 0.543 χ^2/NDF : 841.8/35

In: -41.164 ± 0.126 χ^2/NDF : 8190.3/33
 Out: -41.698 ± 0.125 χ^2/NDF : 8058.2/37

All: -41.435 ± 0.089 χ^2/NDF : 16257.5/71

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525 $\pm$ 0.449 χ^2 /NDF: 2010.9/16

Left Out: -32.472 $\pm$ 0.106 χ^2 /NDF:6972.4/18

Right Out: -64.540 $\pm$ 0.483 χ^2 /NDF: 1603.1/18

Left In: -31.378 $\pm$ 0.109 χ^2 /NDF:6540.6/16

Left: -31.943 $\pm$ 0.076 χ^2 /NDF: 13564.7/35

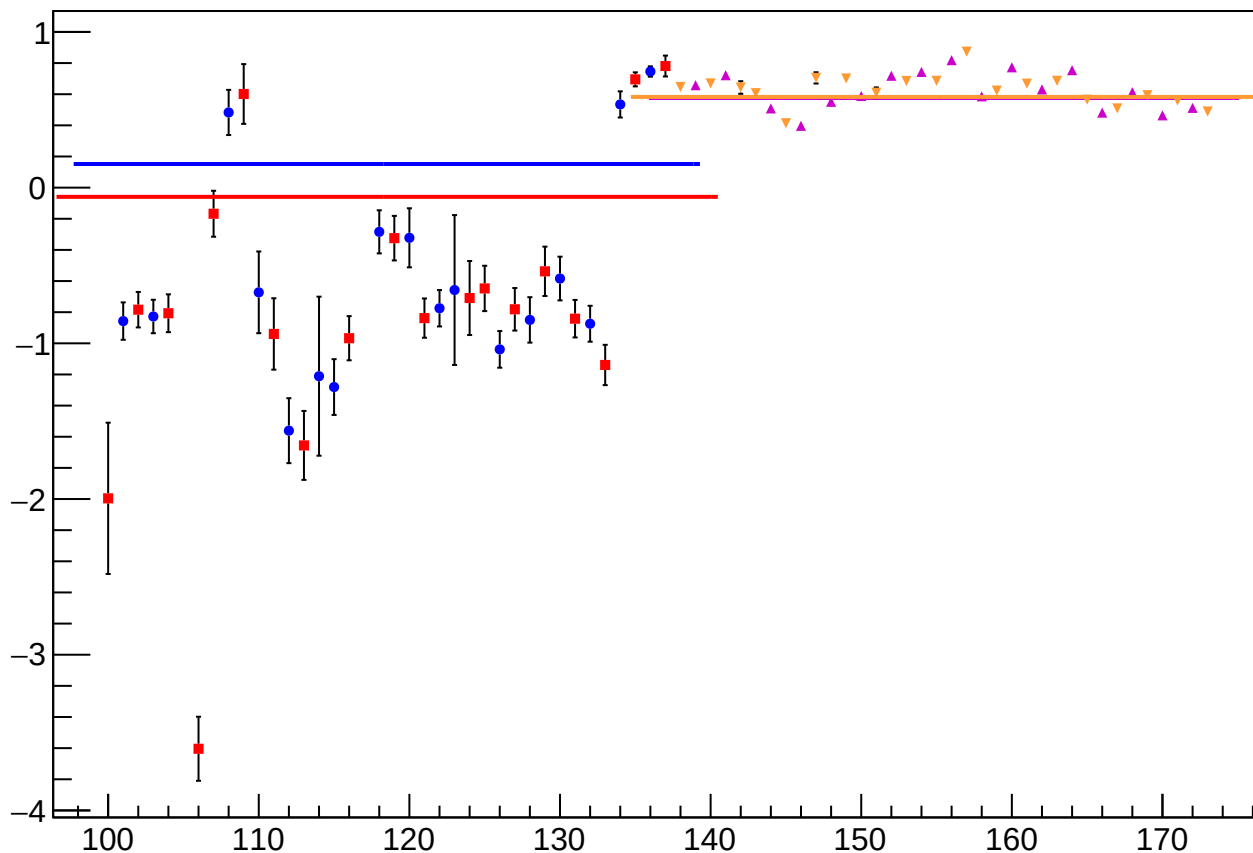
Right: -63.995 $\pm$ 0.329 χ^2 /NDF: 3616.4/35

In: -33.177 $\pm$ 0.106 χ^2 /NDF:13398.0/33

Out: -33.940 $\pm$ 0.103 χ^2 /NDF:12782.4/37

All: -33.569 $\pm$ 0.074 χ^2 /NDF: 26206.9/71

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 ± 0.024 χ^2/NDF : 987.4/16

Left Out: 0.583 ± 0.005 χ^2/NDF : 432.1/18

Right Out: -0.059 ± 0.026 χ^2/NDF : 1161.9/18

Left In: 0.576 ± 0.005 χ^2/NDF : 523.1/16

Left: 0.579 ± 0.004 χ^2/NDF : 956.2/35

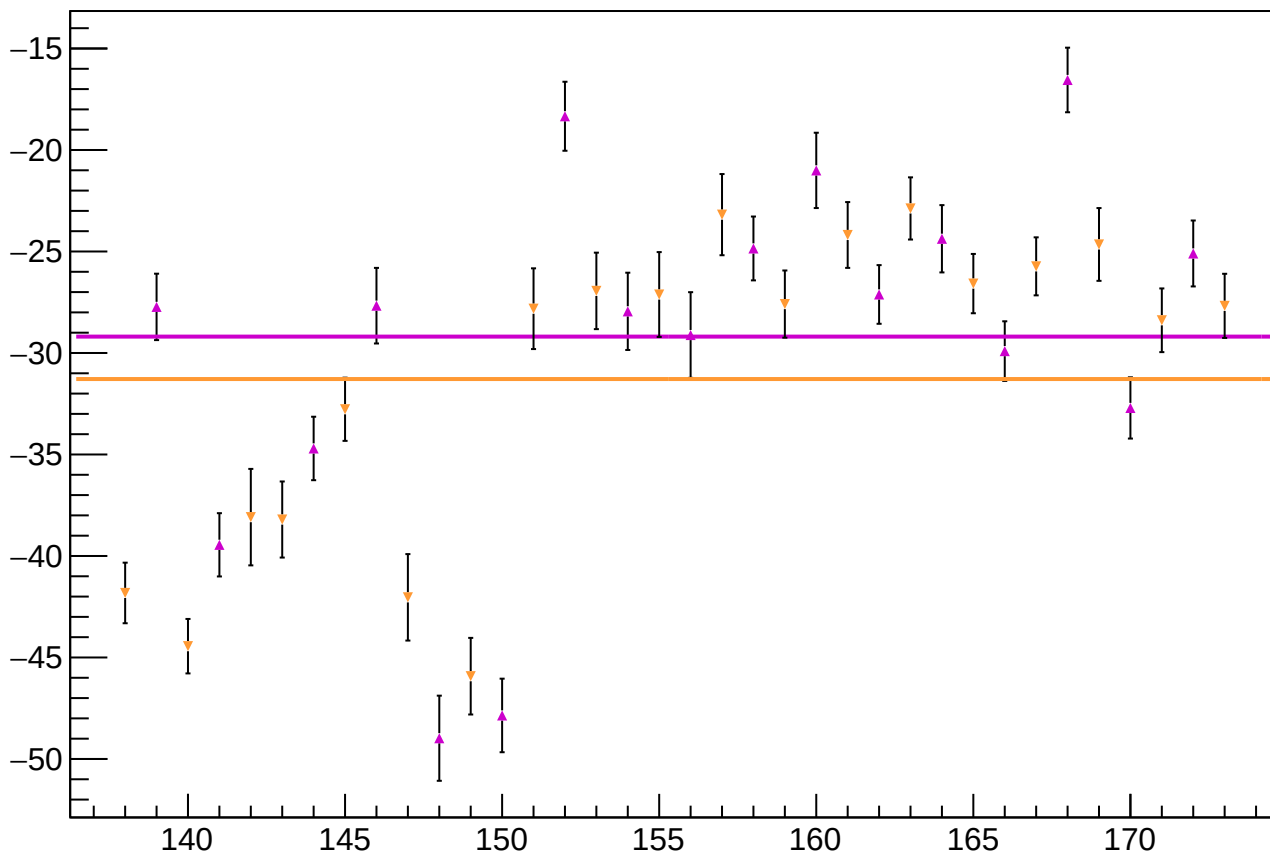
Right: 0.056 ± 0.018 χ^2/NDF : 2184.3/35

In: 0.558 ± 0.005 χ^2/NDF : 1808.6/33

Out: 0.561 ± 0.005 χ^2/NDF : 2170.1/37

All: 0.560 ± 0.003 χ^2/NDF : 3978.9/71

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.283 $\pm$ 0.388 χ^2 /NDF:385.2/18

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

Left In: -29.193 $\pm$ 0.406 χ^2 /NDF:406.3/16

Left: -30.285 $\pm$ 0.280 χ^2 /NDF: 805.4/35

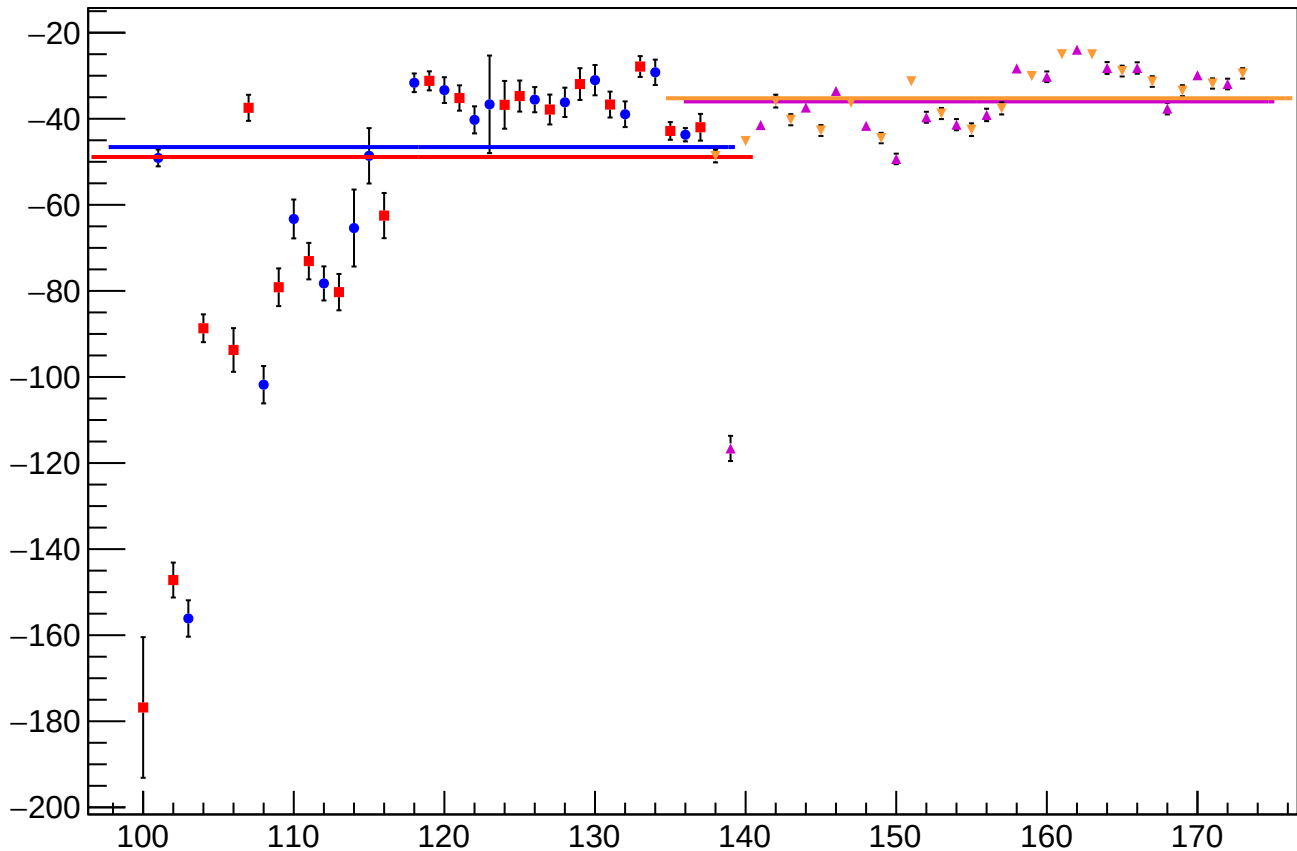
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -29.193 $\pm$ 0.406 χ^2 /NDF:406.3/16

Out: -31.283 $\pm$ 0.388 χ^2 /NDF:385.2/18

All: -30.285 $\pm$ 0.280 χ^2 /NDF: 805.4/35

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 $\chi^2/\text{NDF}: 1076.4/16$

Left Out: -35.232 ± 0.283 $\chi^2/\text{NDF}: 566.3/18$

Right Out: -48.888 ± 0.763 $\chi^2/\text{NDF}: 1277.5/18$

Left In: -35.973 ± 0.299 $\chi^2/\text{NDF}: 1255.8/16$

Left: -35.582 ± 0.206 $\chi^2/\text{NDF}: 1825.3/35$

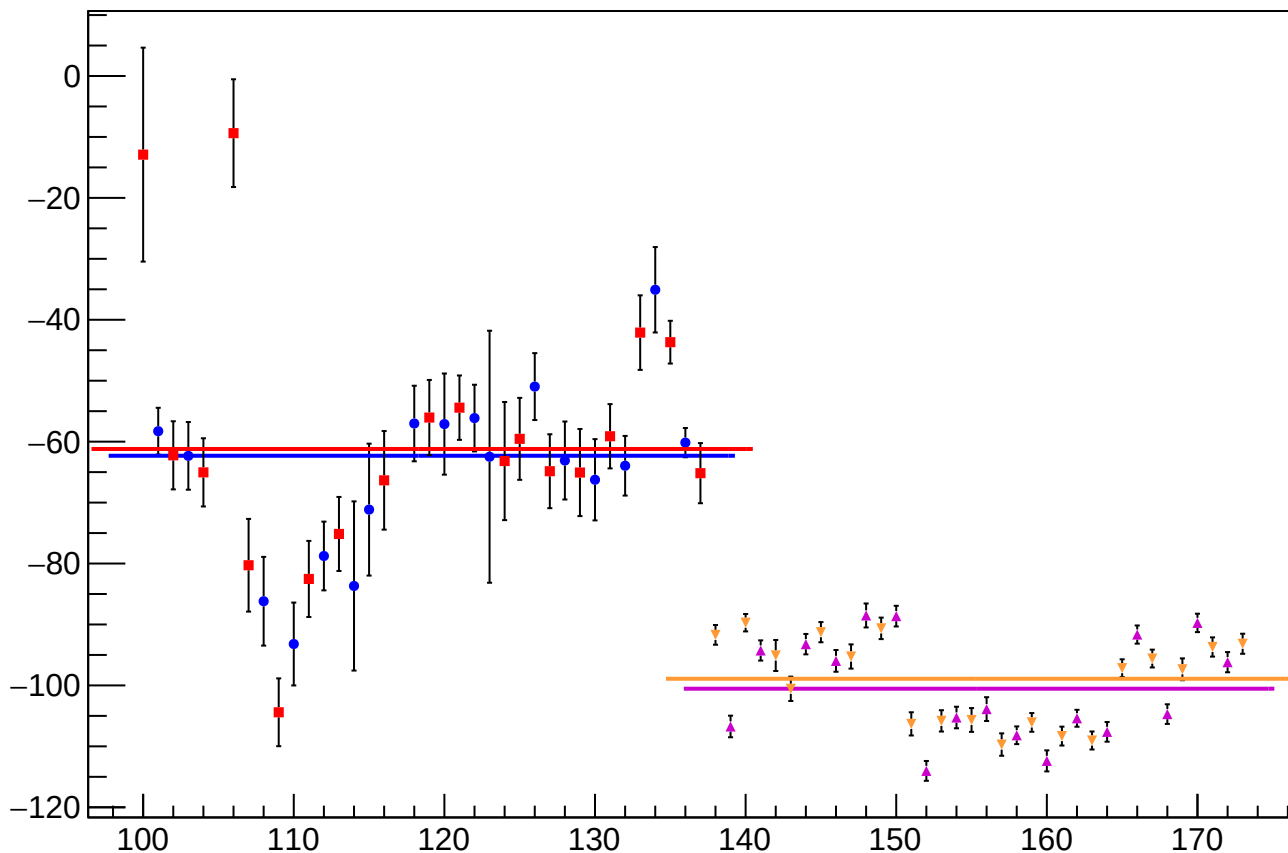
Right: -47.681 ± 0.527 $\chi^2/\text{NDF}: 2358.7/35$

In: -37.501 ± 0.277 $\chi^2/\text{NDF}: 2513.0/33$

Out: -36.883 ± 0.266 $\chi^2/\text{NDF}: 2125.1/37$

All: -37.179 ± 0.192 $\chi^2/\text{NDF}: 4640.7/71$

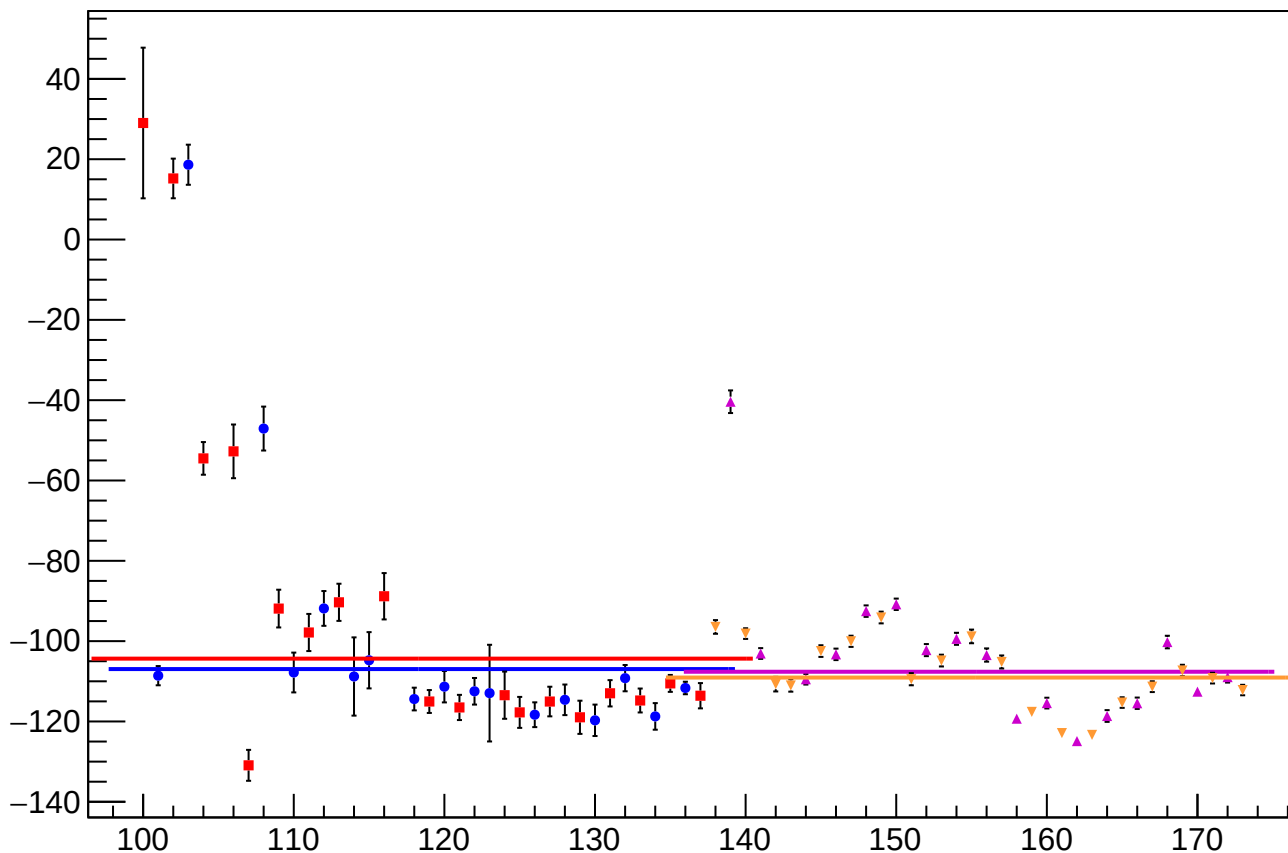
reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$
 Left Out: -98.907 ± 0.386 $\chi^2/\text{NDF}: 324.2/18$
 Right Out: -61.203 ± 1.381 $\chi^2/\text{NDF}: 165.0/18$
 Left In: -100.539 ± 0.399 $\chi^2/\text{NDF}: 424.1/16$

Left: -99.696 ± 0.278 $\chi^2/\text{NDF}: 756.9/35$
 Right: -61.786 ± 0.953 $\chi^2/\text{NDF}: 232.5/35$
 In: -97.313 ± 0.382 $\chi^2/\text{NDF}: 1264.1/33$
 Out: -96.170 ± 0.372 $\chi^2/\text{NDF}: 1180.5/37$
 All: -96.726 ± 0.267 $\chi^2/\text{NDF}: 2449.2/71$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -109.068 ± 0.324 $\chi^2/\text{NDF}: 692.1/18$

Right Out: -104.356 ± 0.861 $\chi^2/\text{NDF}: 1021.0/18$

Left In: -107.621 ± 0.341 $\chi^2/\text{NDF}: 1363.2/16$

Left: -108.382 ± 0.235 $\chi^2/\text{NDF}: 2064.8/35$

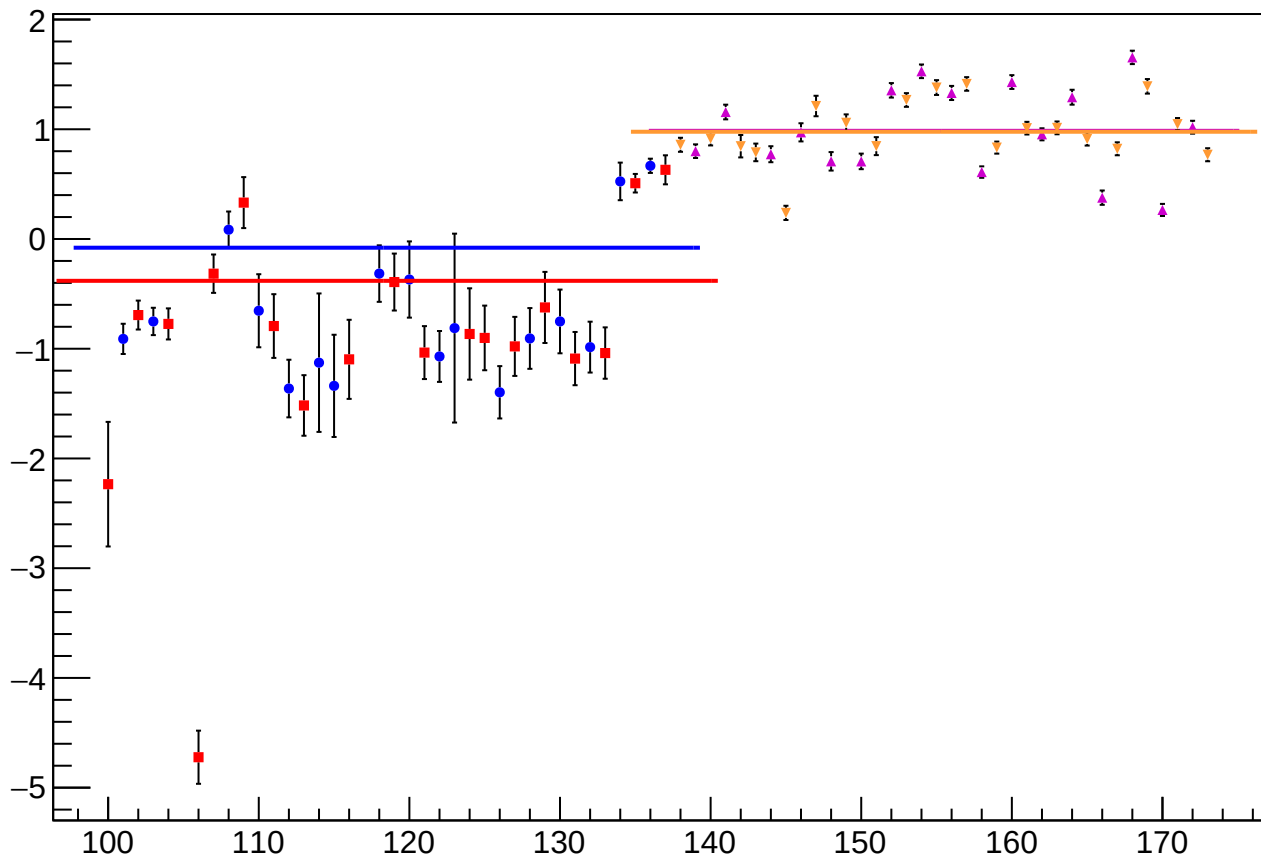
Right: -105.723 ± 0.593 $\chi^2/\text{NDF}: 1853.0/35$

In: -107.522 ± 0.315 $\chi^2/\text{NDF}: 2191.0/33$

Out: -108.483 ± 0.303 $\chi^2/\text{NDF}: 1739.3/37$

All: -108.021 ± 0.218 $\chi^2/\text{NDF}: 3935.2/71$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.977 ± 0.015 χ^2/NDF : 326.3/18

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

Left In: 0.986 ± 0.015 χ^2/NDF : 687.1/16

Left: 0.981 ± 0.011 χ^2/NDF : 1013.6/35

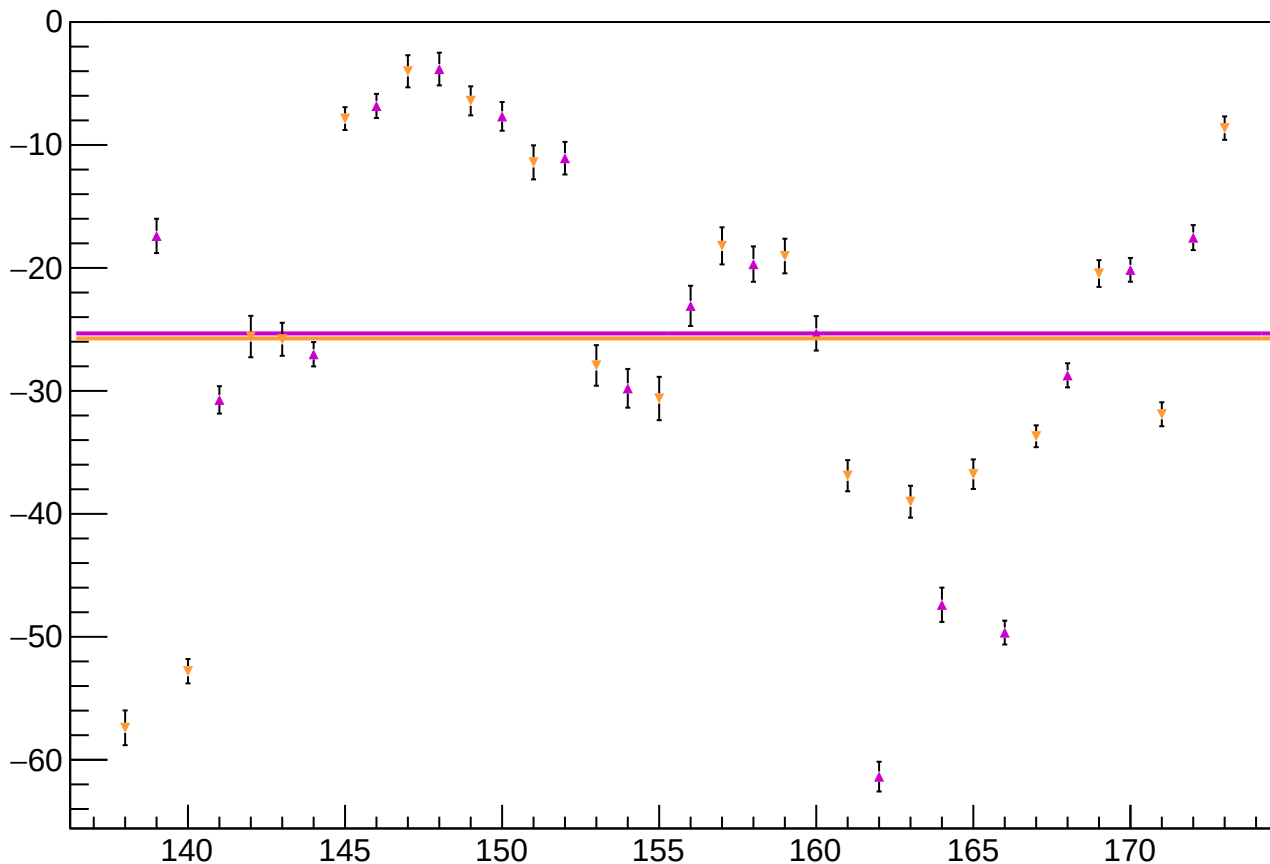
Right: -0.224 ± 0.030 χ^2/NDF : 933.5/35

In: 0.860 ± 0.015 χ^2/NDF : 1575.5/33

Out: 0.837 ± 0.014 χ^2/NDF : 1761.2/37

All: 0.848 ± 0.010 χ^2/NDF : 3338.0/71

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -25.734+/-0.275 χ^2/NDF :3060.4/18

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

Left In: -25.325+/-0.285 χ^2/NDF :2909.7/16

Left: -25.536+/-0.198 χ^2/NDF : 5971.1/35

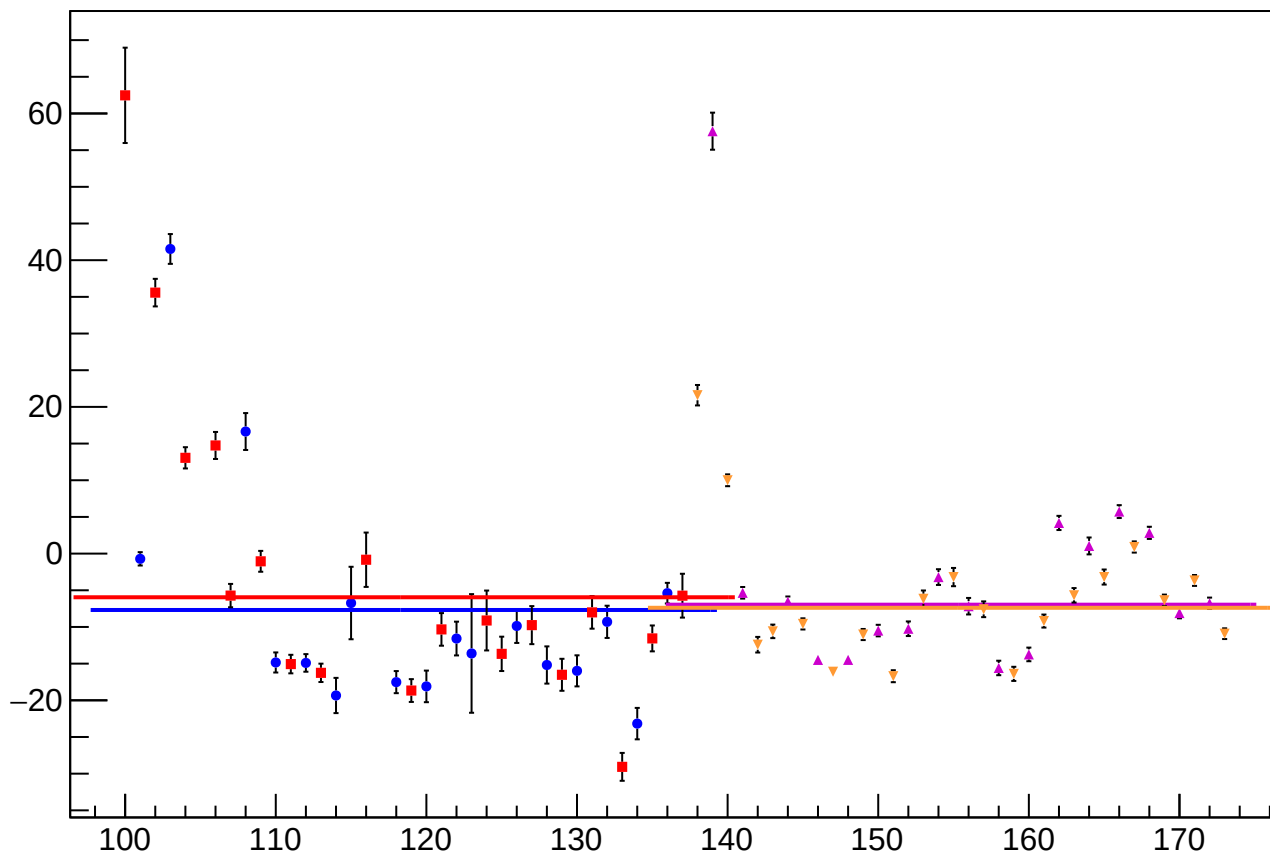
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -25.325+/-0.285 χ^2/NDF :2909.7/16

Out: -25.734+/-0.275 χ^2/NDF :3060.4/18

All: -25.536+/-0.198 χ^2/NDF : 5971.1/35

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16

Left Out: -7.388 ± 0.199 χ^2/NDF : 1578.4/18

Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18

Left In: -6.964 ± 0.207 χ^2/NDF : 1645.8/16

Left: -7.184 ± 0.143 χ^2/NDF : 3226.4/35

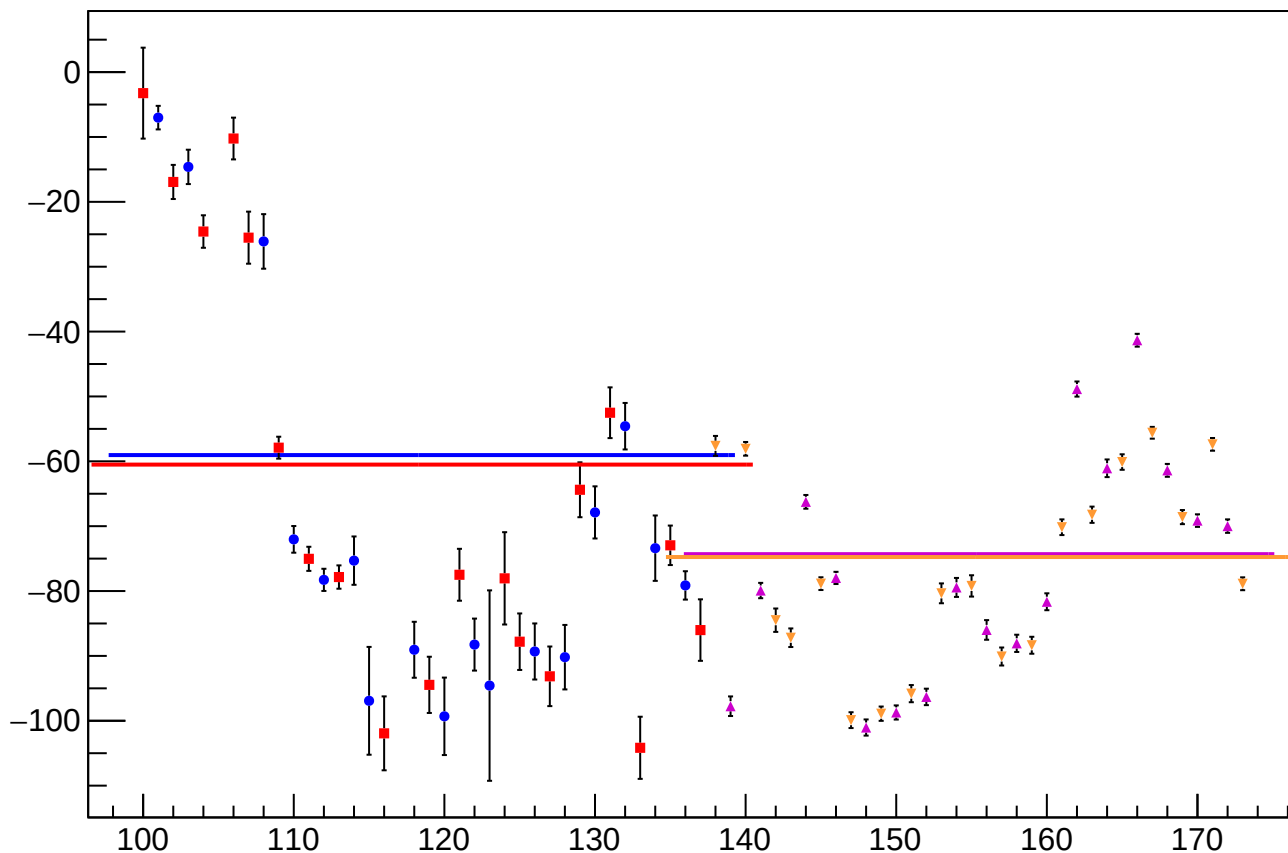
Right: -6.817 ± 0.304 χ^2/NDF : 2282.2/35

In: -7.100 ± 0.186 χ^2/NDF : 2624.0/33

Out: -7.134 ± 0.180 χ^2/NDF : 2885.7/37

All: -7.117 ± 0.130 χ^2/NDF : 5509.7/71

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -74.756 ± 0.275 χ^2/NDF : 2904.0/18

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

Left In: -74.313 ± 0.281 χ^2/NDF : 3706.5/16

Left: -74.540 ± 0.197 χ^2/NDF : 6611.7/35

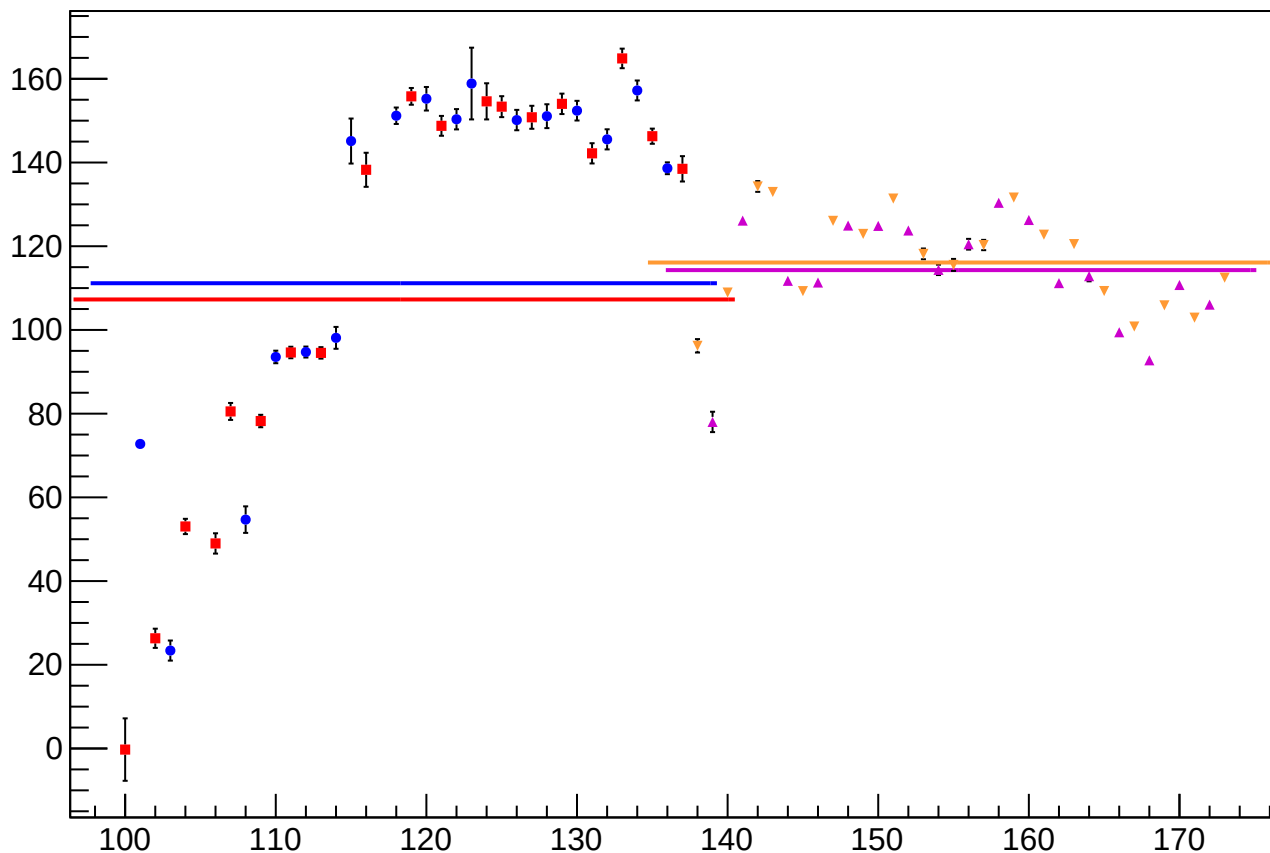
Right: -59.815 ± 0.512 χ^2/NDF : 3096.4/35

In: -72.410 ± 0.263 χ^2/NDF : 5783.3/33

Out: -72.875 ± 0.256 χ^2/NDF : 4644.0/37

All: -72.649 ± 0.183 χ^2/NDF : 10428.9/71

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160 $\pm$ 0.489 χ^2 /NDF: 5877.6/16

Left Out: 116.109 $\pm$ 0.229 χ^2 /NDF: 2205.8/18

Right Out: 107.283 $\pm$ 0.488 χ^2 /NDF: 7055.1/18

Left In: 114.294 $\pm$ 0.239 χ^2 /NDF: 2011.6/16

Left: 115.240 $\pm$ 0.165 χ^2 /NDF: 4247.5/35

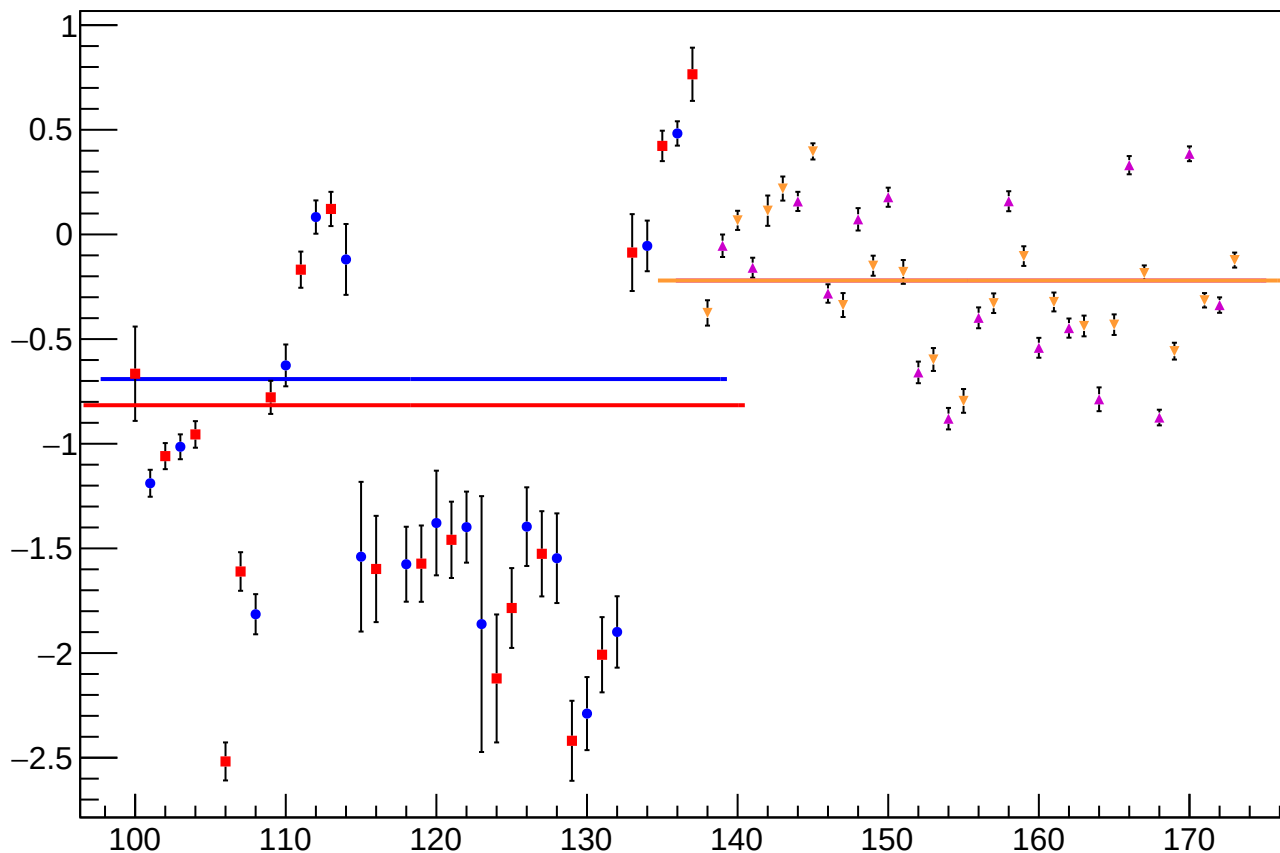
Right: 109.217 $\pm$ 0.345 χ^2 /NDF: 12964.2/35

In: 113.691 $\pm$ 0.215 χ^2 /NDF: 7922.4/33

Out: 114.515 $\pm$ 0.207 χ^2 /NDF: 9529.2/37

All: 114.117 $\pm$ 0.149 χ^2 /NDF: 17459.3/71

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.220 ± 0.011 χ^2/NDF : 678.4/18

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

Left In: -0.220 ± 0.011 χ^2/NDF : 1440.1/16

Left: -0.220 ± 0.008 χ^2/NDF : 2118.5/35

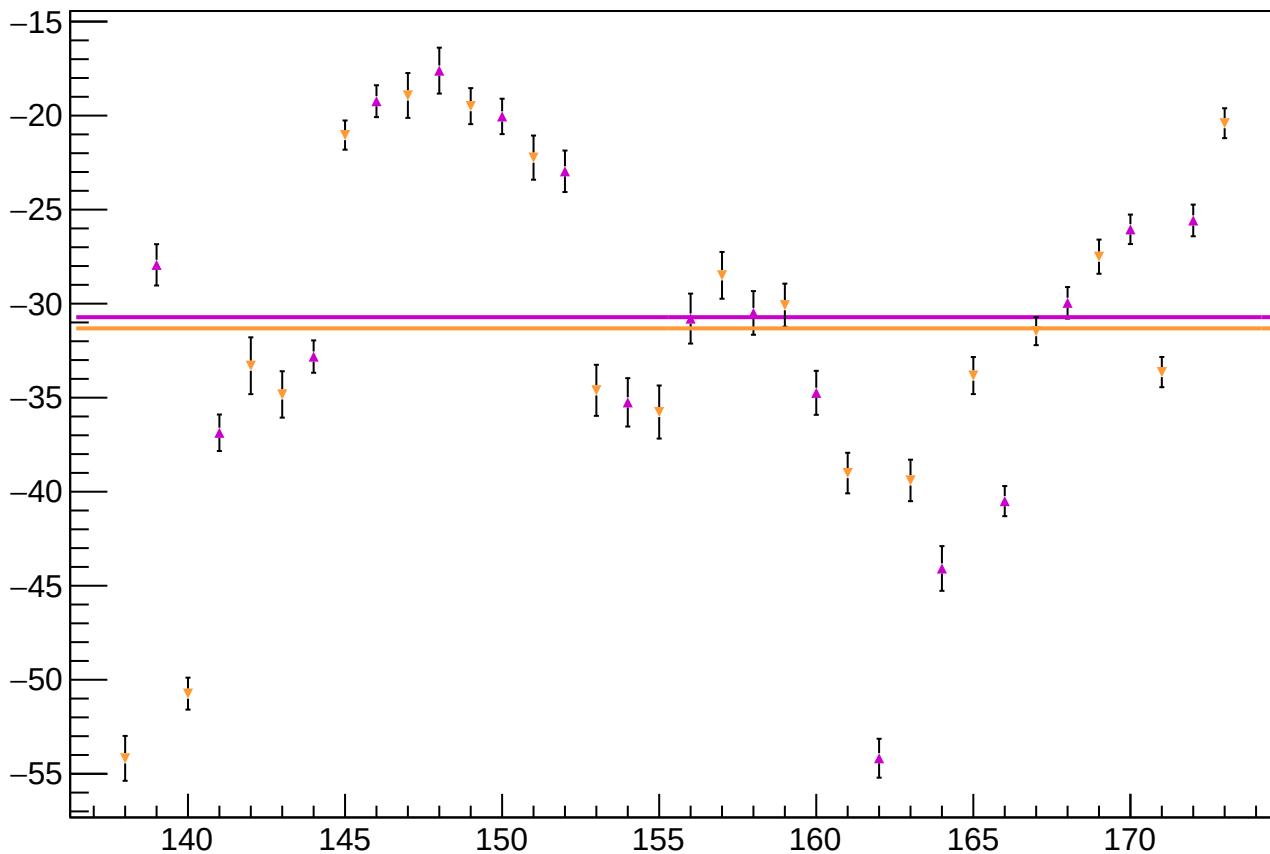
Right: -0.757 ± 0.018 χ^2/NDF : 2307.7/35

In: -0.293 ± 0.010 χ^2/NDF : 2712.1/33

Out: -0.316 ± 0.010 χ^2/NDF : 2484.7/37

All: -0.305 ± 0.007 χ^2/NDF : 5199.5/71

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.315+/-0.232 χ^2/NDF :1741.4/18

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

Left In: -30.719+/-0.239 χ^2/NDF :1416.7/16

Left: -31.026+/-0.166 χ^2/NDF : 3161.3/35

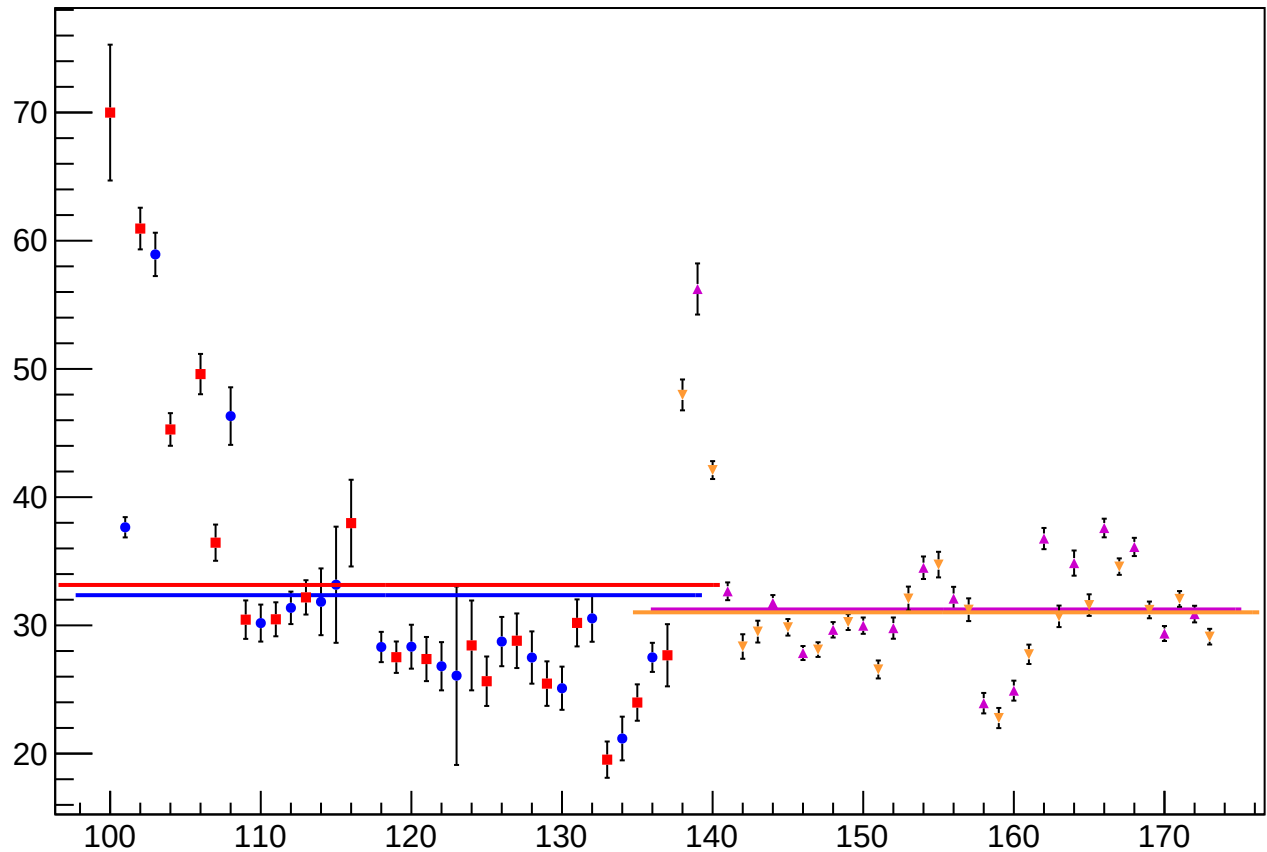
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.719+/-0.239 χ^2/NDF :1416.7/16

Out: -31.315+/-0.232 χ^2/NDF :1741.4/18

All: -31.026+/-0.166 χ^2/NDF : 3161.3/35

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355 ± 0.375 $\chi^2/\text{NDF}: 450.5/16$

Left Out: 31.018 ± 0.169 $\chi^2/\text{NDF}: 721.3/18$

Right Out: 33.152 ± 0.379 $\chi^2/\text{NDF}: 772.0/18$

Left In: 31.242 ± 0.176 $\chi^2/\text{NDF}: 571.7/16$

Left: 31.125 ± 0.122 $\chi^2/\text{NDF}: 1293.9/35$

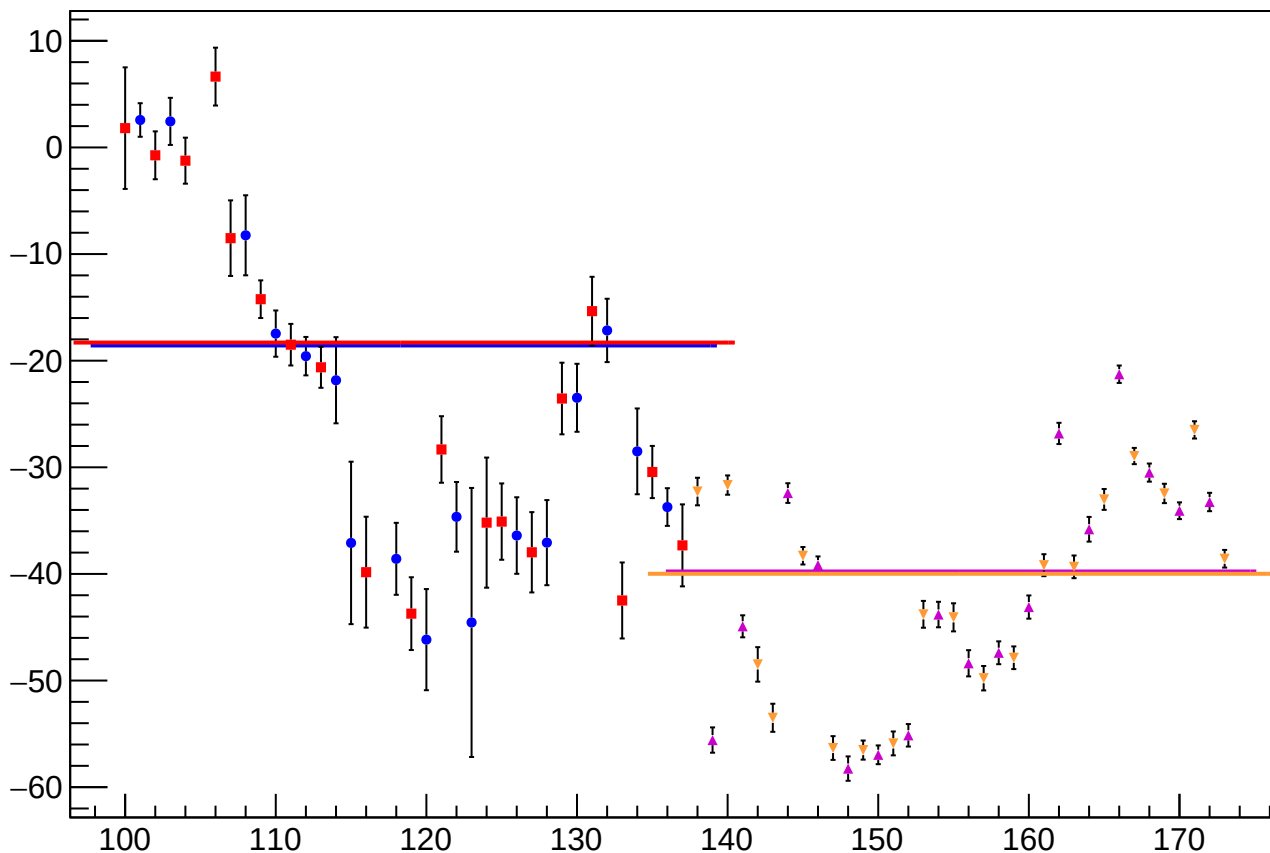
Right: 32.750 ± 0.267 $\chi^2/\text{NDF}: 1224.7/35$

In: 31.442 ± 0.159 $\chi^2/\text{NDF}: 1029.4/33$

Out: 31.372 ± 0.154 $\chi^2/\text{NDF}: 1519.7/37$

All: 31.406 ± 0.111 $\chi^2/\text{NDF}: 2549.3/71$

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.572 ± 0.667 $\chi^2/\text{NDF}: 511.5/16$

Left Out: -39.987 ± 0.231 $\chi^2/\text{NDF}: 1772.1/18$

Right Out: -18.300 ± 0.644 $\chi^2/\text{NDF}: 473.4/18$

Left In: -39.772 ± 0.236 $\chi^2/\text{NDF}: 2164.8/16$

Left: -39.882 ± 0.165 $\chi^2/\text{NDF}: 3937.3/35$

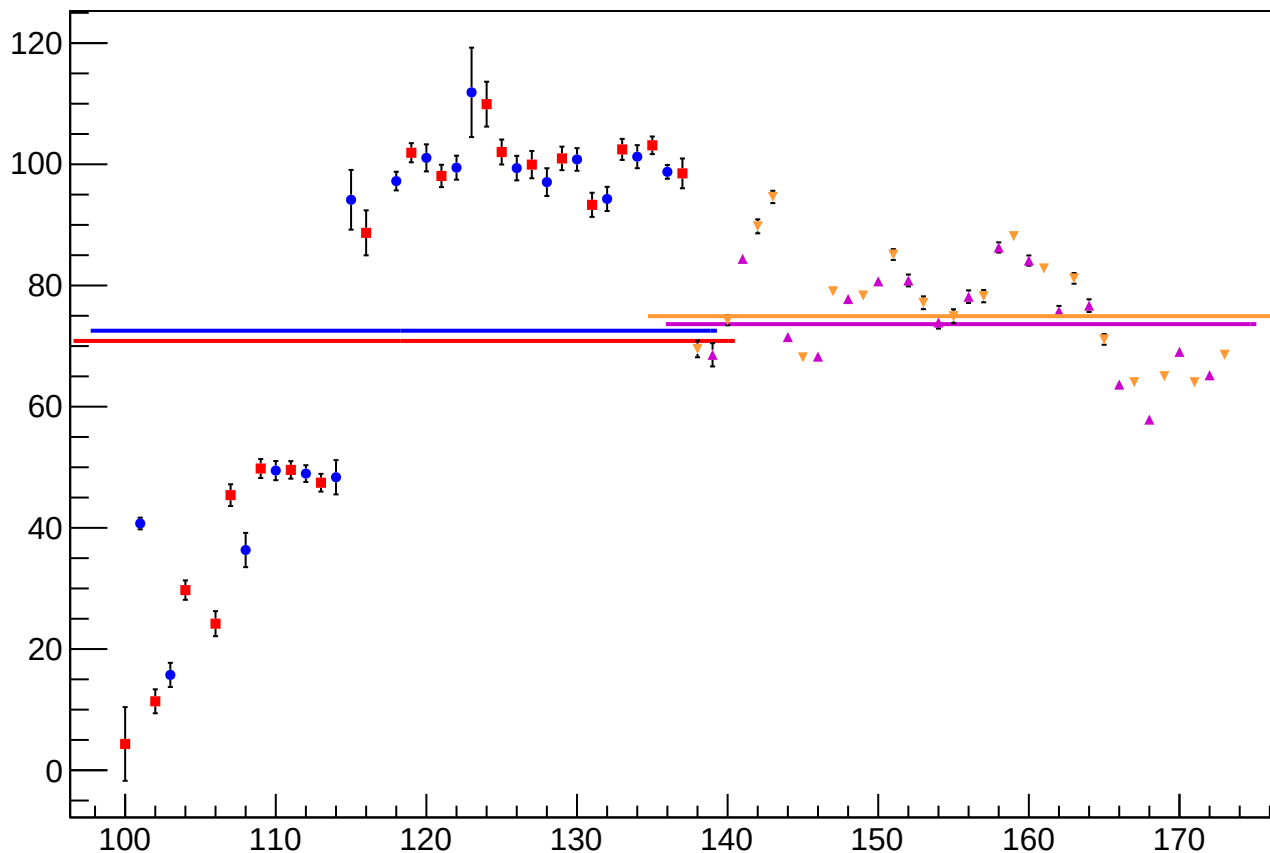
Right: -18.431 ± 0.463 $\chi^2/\text{NDF}: 984.9/35$

In: -37.418 ± 0.222 $\chi^2/\text{NDF}: 3573.1/33$

Out: -37.515 ± 0.217 $\chi^2/\text{NDF}: 3250.7/37$

All: -37.467 ± 0.155 $\chi^2/\text{NDF}: 6823.9/71$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.537 $\pm$ 0.428 χ^2 /NDF: 4684.1/16

Left Out: 74.938 $\pm$ 0.194 χ^2 /NDF:2023.6/18

Right Out: 70.849 $\pm$ 0.433 χ^2 /NDF: 5500.2/18

Left In: 73.621 $\pm$ 0.201 χ^2 /NDF:1551.5/16

Left: 74.306 $\pm$ 0.140 χ^2 /NDF: 3597.4/35

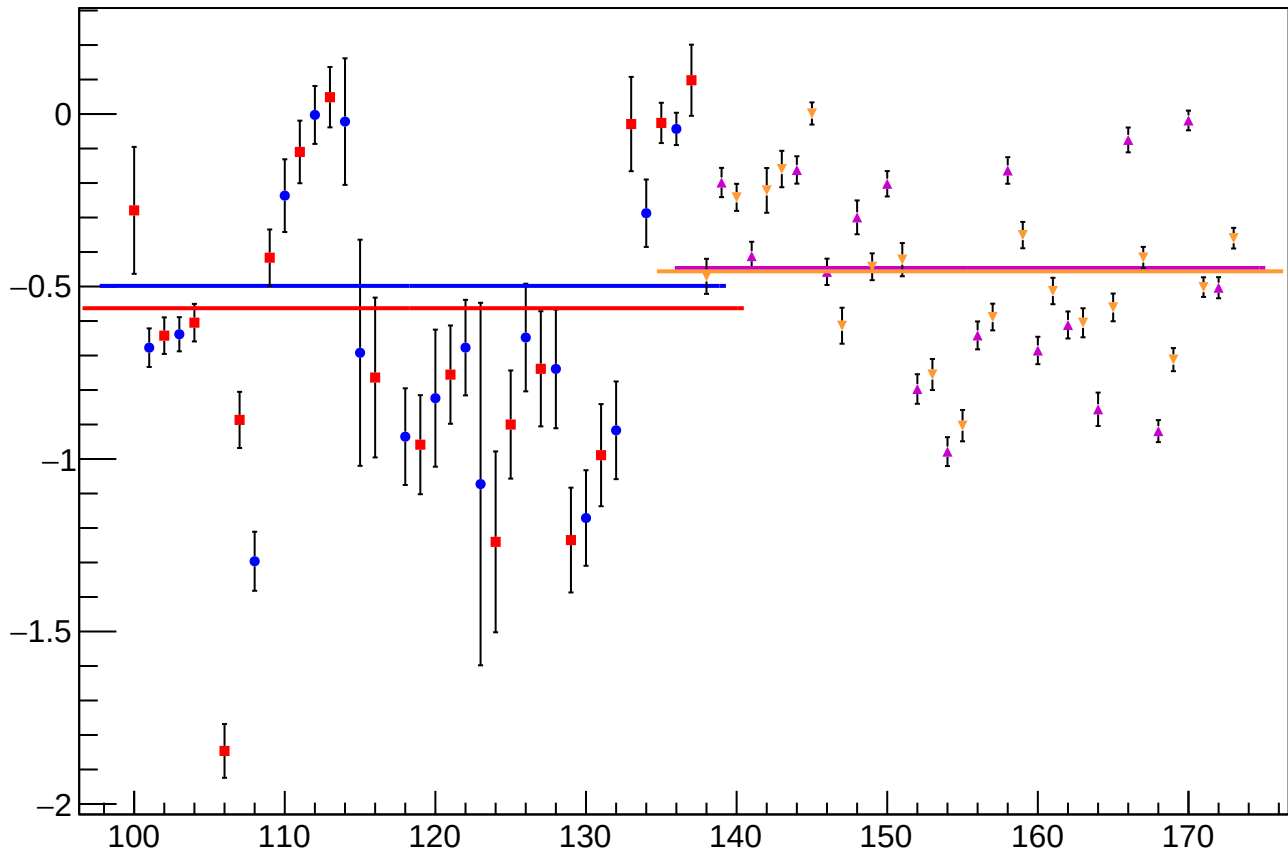
Right: 71.702 $\pm$ 0.305 χ^2 /NDF: 10192.0/35

In: 73.424 $\pm$ 0.182 χ^2 /NDF:6240.9/33

Out: 74.258 $\pm$ 0.177 χ^2 /NDF:7598.1/37

All: 73.854 $\pm$ 0.127 χ^2 /NDF: 13849.8/71

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.456 ± 0.009 χ^2/NDF : 541.3/18

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

Left In: -0.446 ± 0.009 χ^2/NDF : 1123.2/16

Left: -0.451 ± 0.006 χ^2/NDF : 1665.0/35

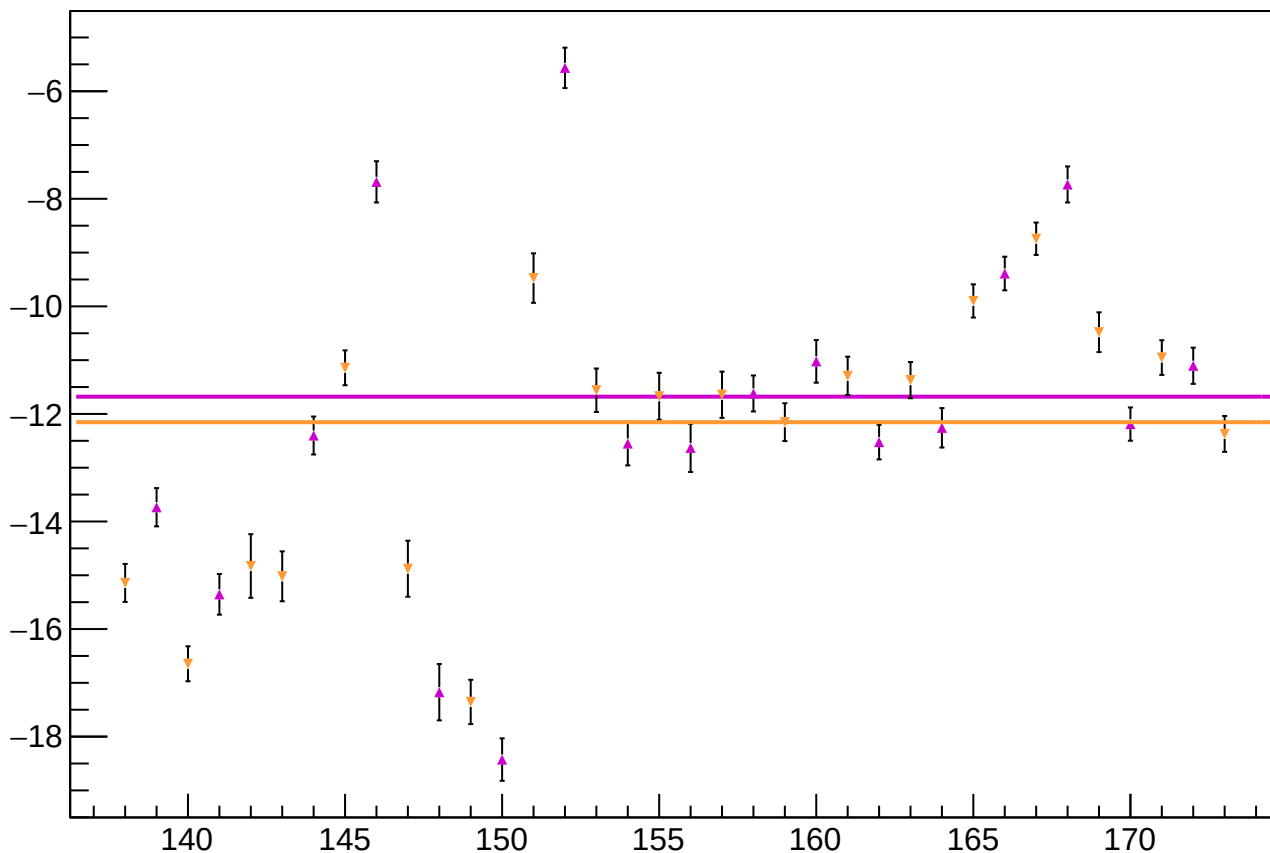
Right: -0.532 ± 0.015 χ^2/NDF : 867.9/35

In: -0.454 ± 0.009 χ^2/NDF : 1430.6/33

Out: -0.472 ± 0.008 χ^2/NDF : 1123.3/37

All: -0.463 ± 0.006 χ^2/NDF : 2556.1/71

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -12.154 $\pm$ 0.085 χ^2/NDF :783.4/18

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

Left In: -11.679 $\pm$ 0.088 χ^2/NDF :1127.8/16

Left: -11.924 $\pm$ 0.061 χ^2/NDF : 1926.2/35

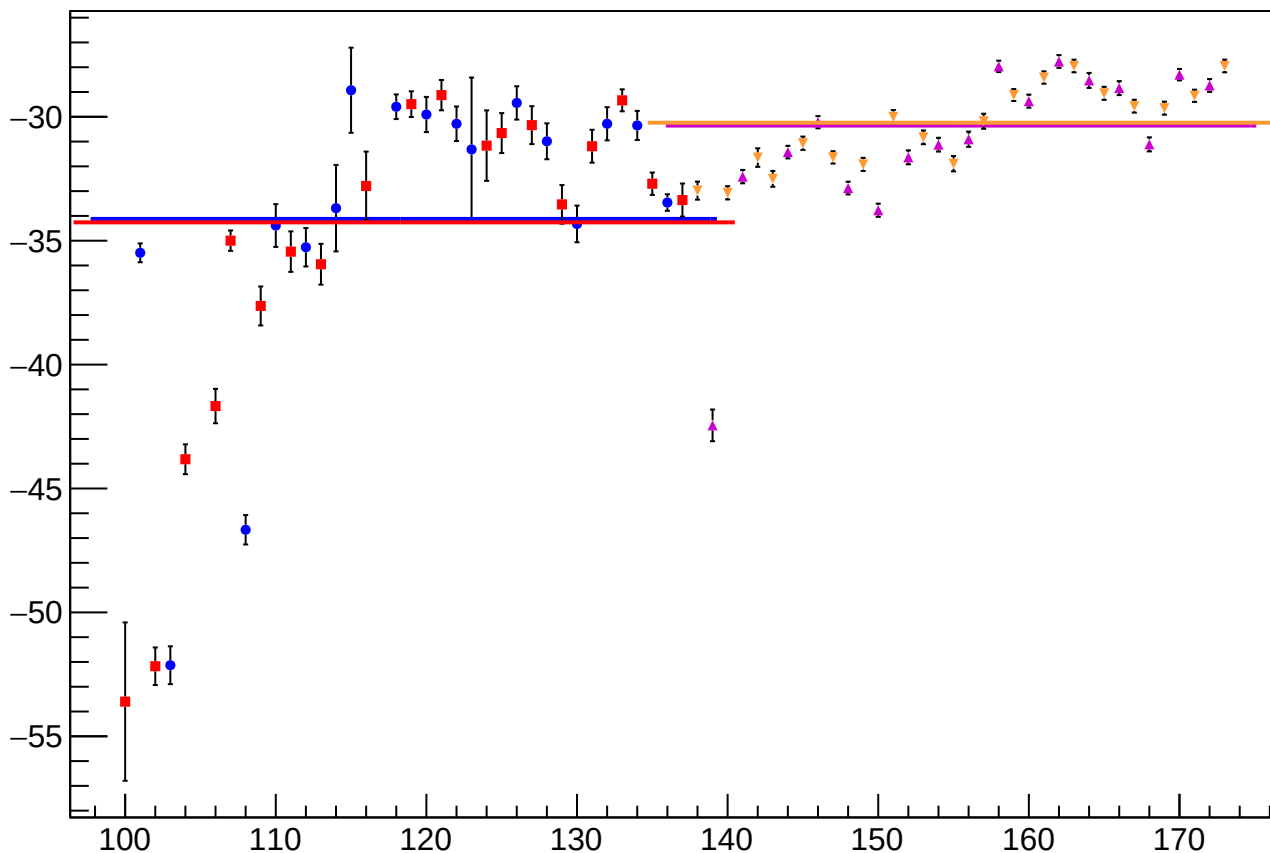
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -11.679 $\pm$ 0.088 χ^2/NDF :1127.8/16

Out: -12.154 $\pm$ 0.085 χ^2/NDF :783.4/18

All: -11.924 $\pm$ 0.061 χ^2/NDF : 1926.2/35

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 χ^2/NDF : 1322.4/16

Left Out: -30.239 ± 0.063 χ^2/NDF : 632.8/18

Right Out: -34.260 ± 0.151 χ^2/NDF : 1354.9/18

Left In: -30.354 ± 0.066 χ^2/NDF : 1135.4/16

Left: -30.294 ± 0.045 χ^2/NDF : 1769.9/35

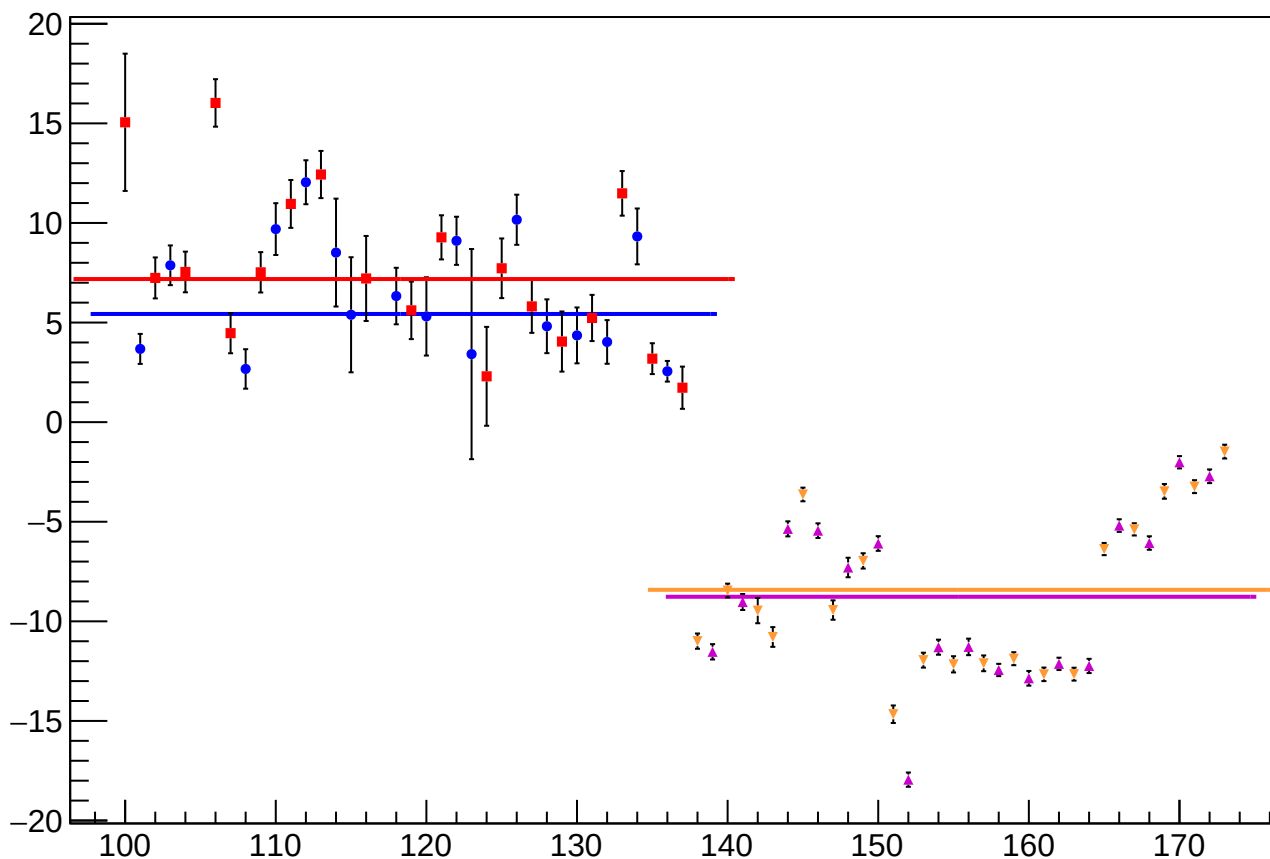
Right: -34.191 ± 0.107 χ^2/NDF : 2677.8/35

In: -30.950 ± 0.060 χ^2/NDF : 2976.4/33

Out: -30.833 ± 0.058 χ^2/NDF : 2593.4/37

All: -30.889 ± 0.042 χ^2/NDF : 5571.8/71

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 $\pm$ 0.270 χ^2 /NDF: 132.0/16

Left Out: -8.417 $\pm$ 0.085 χ^2 /NDF:2158.8/18

Right Out: 7.185 $\pm$ 0.274 χ^2 /NDF: 182.1/18

Left In: -8.766 $\pm$ 0.087 χ^2 /NDF:2463.9/16

Left: -8.588 $\pm$ 0.061 χ^2 /NDF: 4631.0/35

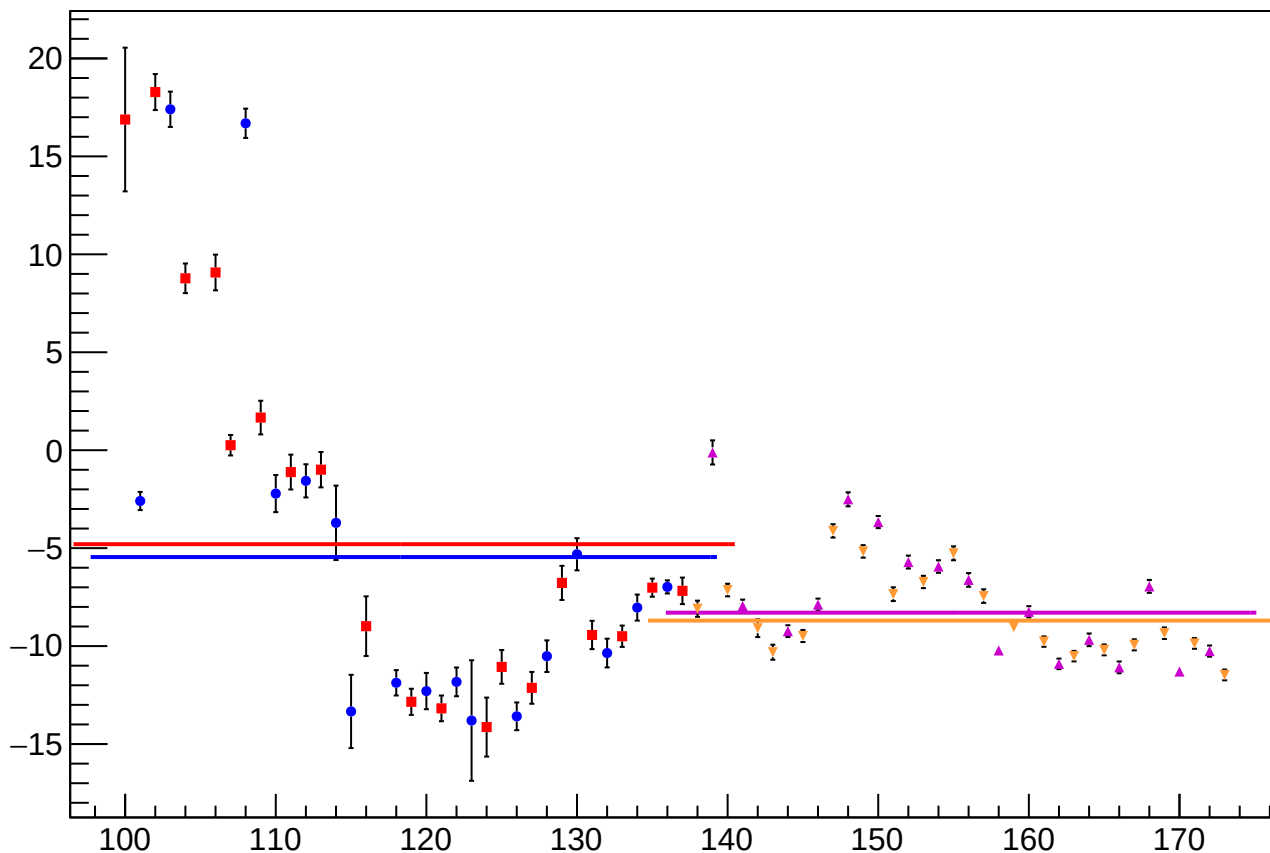
Right: 6.295 $\pm$ 0.193 χ^2 /NDF: 334.8/35

In: -7.442 $\pm$ 0.083 χ^2 /NDF:5095.5/33

Out: -7.063 $\pm$ 0.081 χ^2 /NDF:5292.4/37

All: -7.248 $\pm$ 0.058 χ^2 /NDF: 10398.6/71

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.455 ± 0.171 χ^2/NDF : 2096.5/16

Left Out: -8.698 ± 0.071 χ^2/NDF : 746.8/18

Right Out: -4.798 ± 0.173 χ^2/NDF : 2047.4/18

Left In: -8.294 ± 0.075 χ^2/NDF : 1280.3/16

Left: -8.505 ± 0.052 χ^2/NDF : 2042.4/35

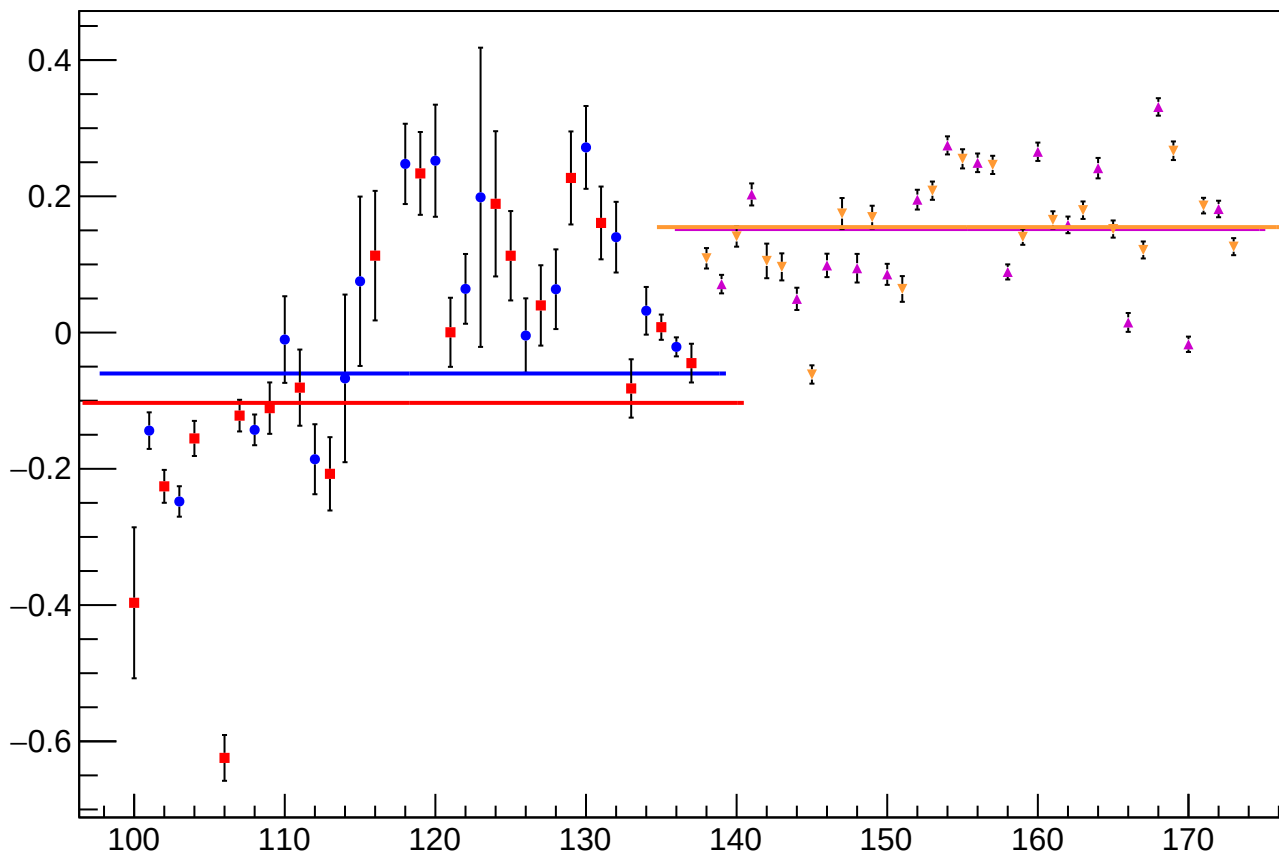
Right: -5.131 ± 0.122 χ^2/NDF : 4151.2/35

In: -7.840 ± 0.068 χ^2/NDF : 3608.7/33

Out: -8.132 ± 0.066 χ^2/NDF : 3229.0/37

All: -7.991 ± 0.047 χ^2/NDF : 6847.2/71

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.060 ± 0.008 χ^2/NDF : 215.5/16

Left Out: 0.155 ± 0.003 χ^2/NDF : 512.8/18

Right Out: -0.103 ± 0.008 χ^2/NDF : 434.3/18

Left In: 0.152 ± 0.003 χ^2/NDF : 928.7/16

Left: 0.153 ± 0.002 χ^2/NDF : 1441.9/35

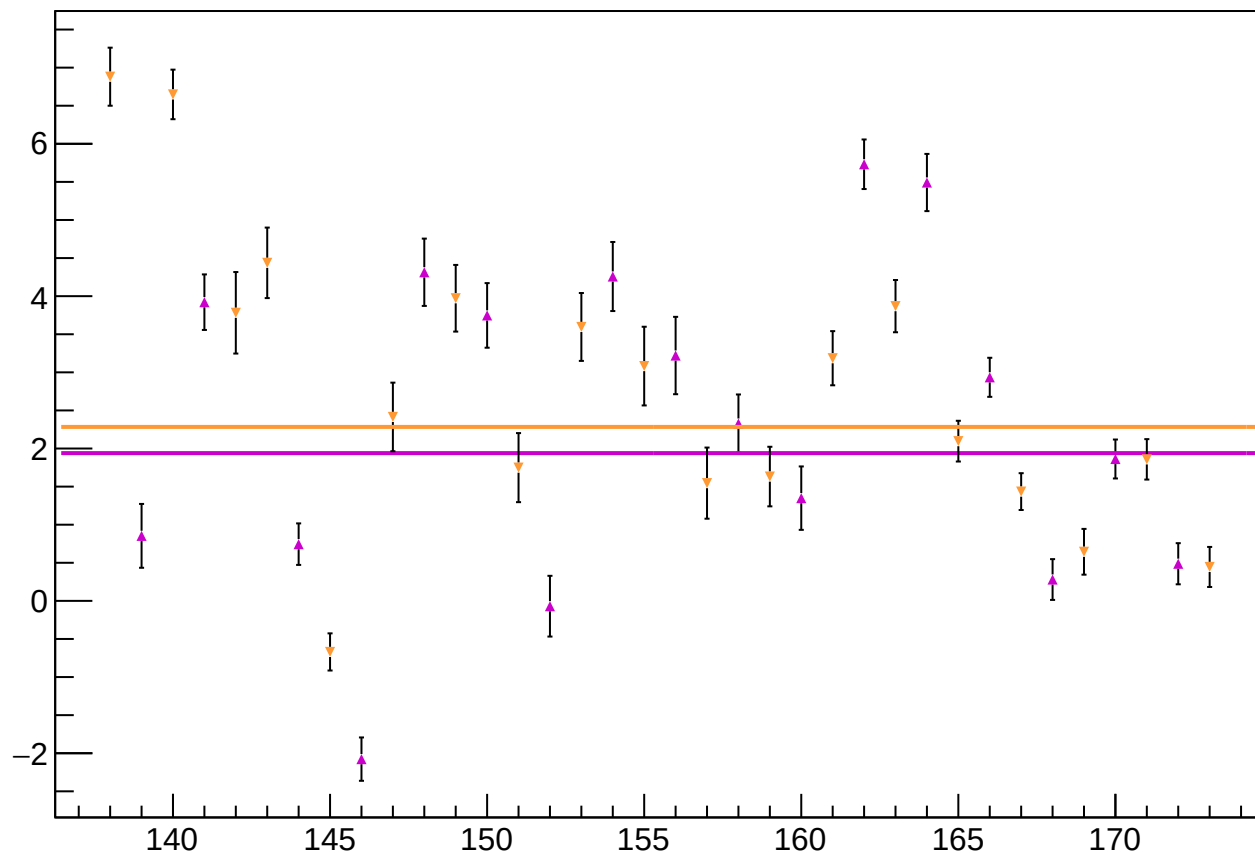
Right: -0.082 ± 0.006 χ^2/NDF : 662.9/35

In: 0.123 ± 0.003 χ^2/NDF : 1693.7/33

Out: 0.122 ± 0.003 χ^2/NDF : 1761.4/37

All: 0.122 ± 0.002 χ^2/NDF : 3455.2/71

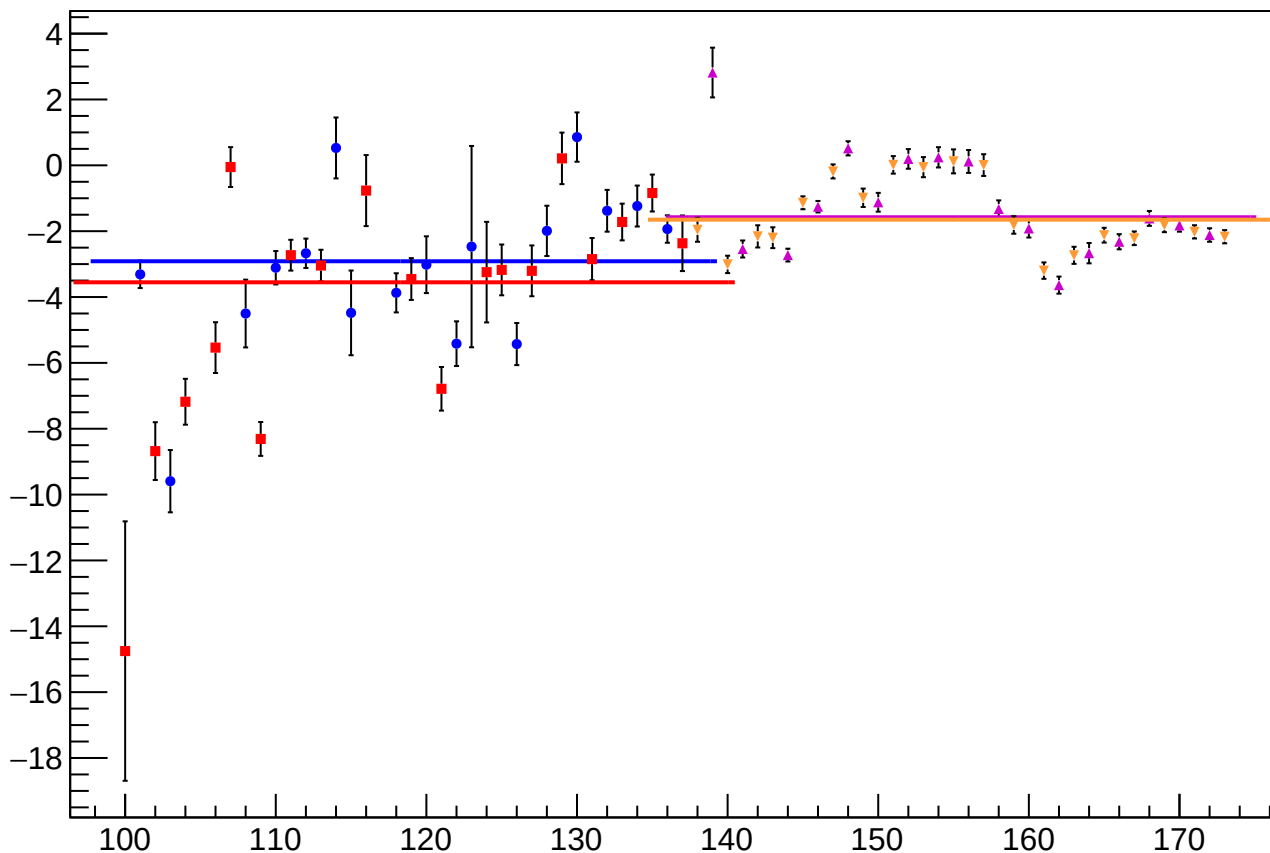
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.284+/-0.078 χ^2/NDF : 656.4/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.940+/-0.081 χ^2/NDF : 670.8/16

Left: 2.118+/-0.056 χ^2/NDF : 1336.5/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.940+/-0.081 χ^2/NDF : 670.8/16
 Out: 2.284+/-0.078 χ^2/NDF : 656.4/18
 All: 2.118+/-0.056 χ^2/NDF : 1336.5/35

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 ± 0.155 χ^2/NDF : 146.1/16

Left Out: -1.651 ± 0.058 χ^2/NDF : 285.9/18

Right Out: -3.553 ± 0.155 χ^2/NDF : 290.9/18

Left In: -1.577 ± 0.059 χ^2/NDF : 374.1/16

Left: -1.615 ± 0.041 χ^2/NDF : 660.8/35

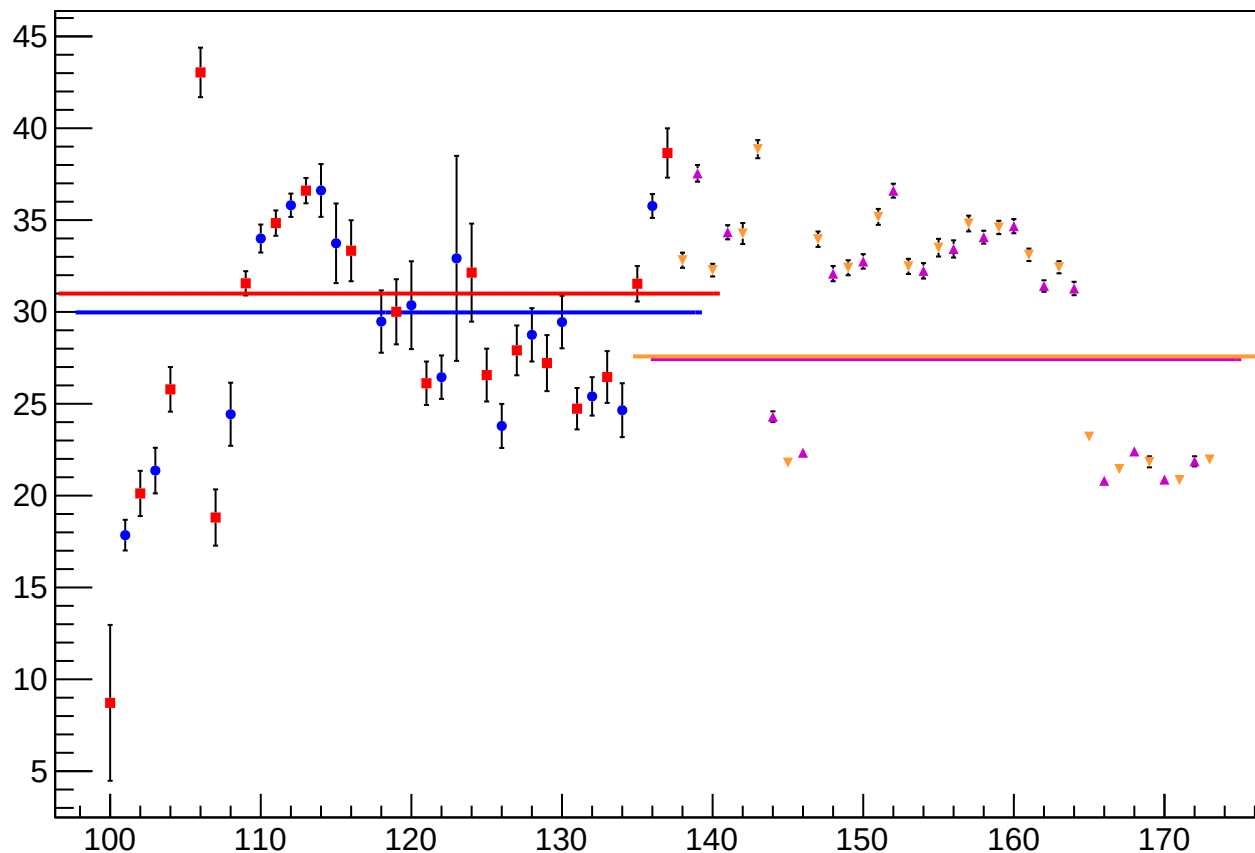
Right: -3.234 ± 0.109 χ^2/NDF : 445.5/35

In: -1.749 ± 0.056 χ^2/NDF : 585.2/33

Out: -1.882 ± 0.054 χ^2/NDF : 709.7/37

All: -1.817 ± 0.039 χ^2/NDF : 1297.9/71

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 27.577 $\pm$ 0.078 χ^2 /NDF: 5910.1/18

Right Out: 30.999 $\pm$ 0.260 χ^2 /NDF: 479.5/18

Left In: 27.430 $\pm$ 0.080 χ^2 /NDF: 5483.9/16

Left: 27.505 $\pm$ 0.056 χ^2 /NDF: 11395.7/35

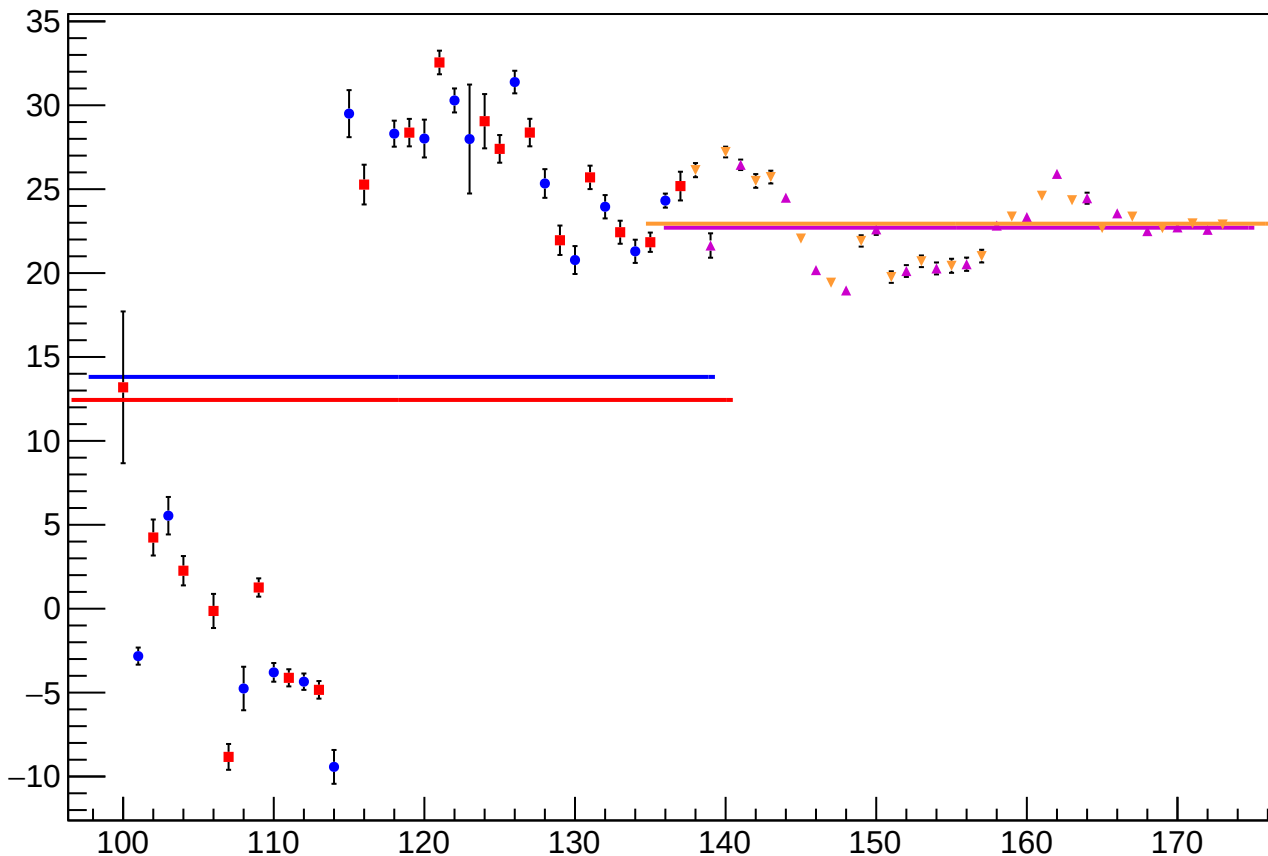
Right: 30.500 $\pm$ 0.186 χ^2 /NDF: 1041.4/35

In: 27.641 $\pm$ 0.077 χ^2 /NDF: 6121.2/33

Out: 27.861 $\pm$ 0.075 χ^2 /NDF: 6548.3/37

All: 27.754 $\pm$ 0.054 χ^2 /NDF: 12673.7/71

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 22.944 $\pm$ 0.065 χ^2 /NDF: 757.0/18

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

Left In: 22.704 $\pm$ 0.068 χ^2 /NDF: 810.2/16

Left: 22.829 $\pm$ 0.047 χ^2 /NDF: 1573.7/35

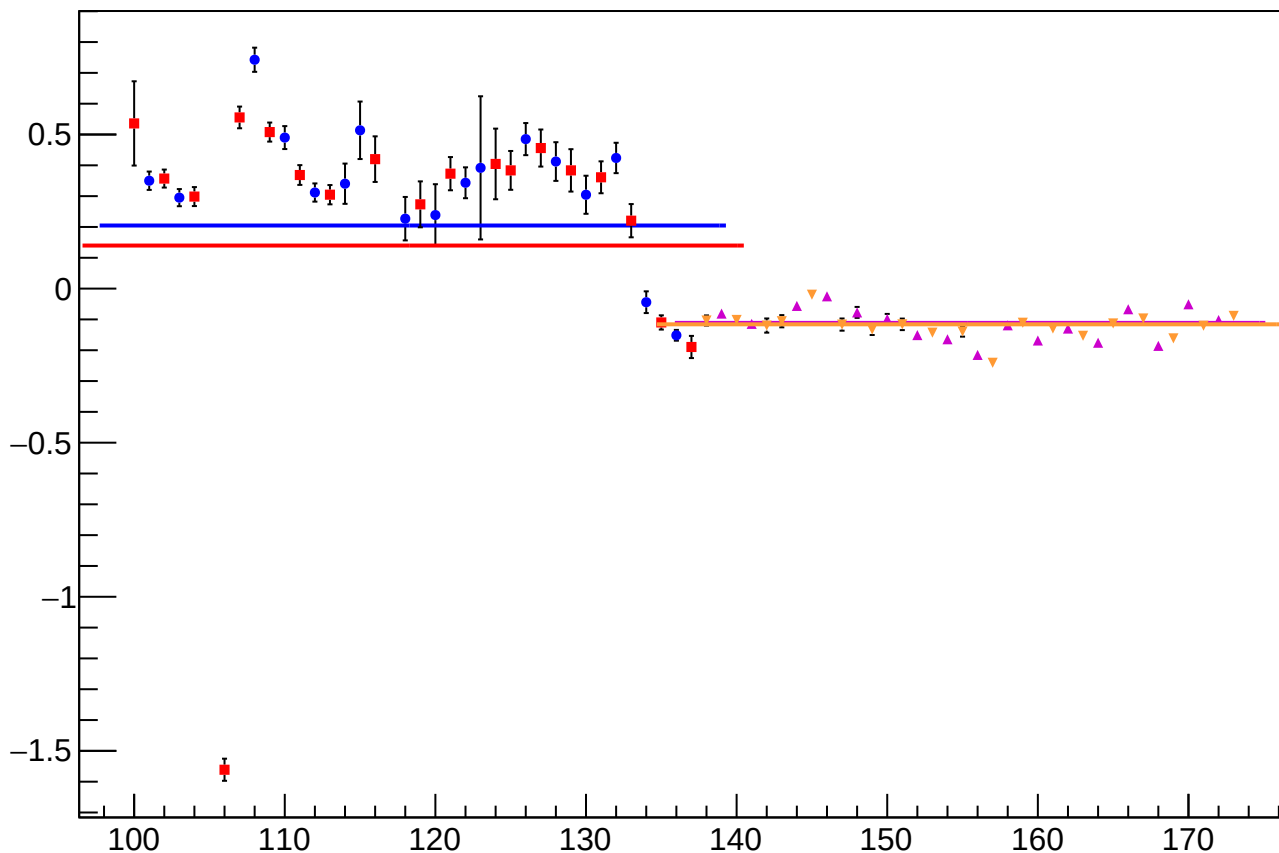
Right: 13.131 $\pm$ 0.122 χ^2 /NDF: 14320.3/35

In: 21.505 $\pm$ 0.063 χ^2 /NDF: 10422.5/33

Out: 21.637 $\pm$ 0.061 χ^2 /NDF: 10928.1/37

All: 21.573 $\pm$ 0.044 χ^2 /NDF: 21352.9/71

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 χ^2/NDF : 845.8/16

Left Out: -0.116 ± 0.003 χ^2/NDF : 209.0/18

Right Out: 0.140 ± 0.009 χ^2/NDF : 3014.2/18

Left In: -0.111 ± 0.003 χ^2/NDF : 285.0/16

Left: -0.114 ± 0.002 χ^2/NDF : 495.2/35

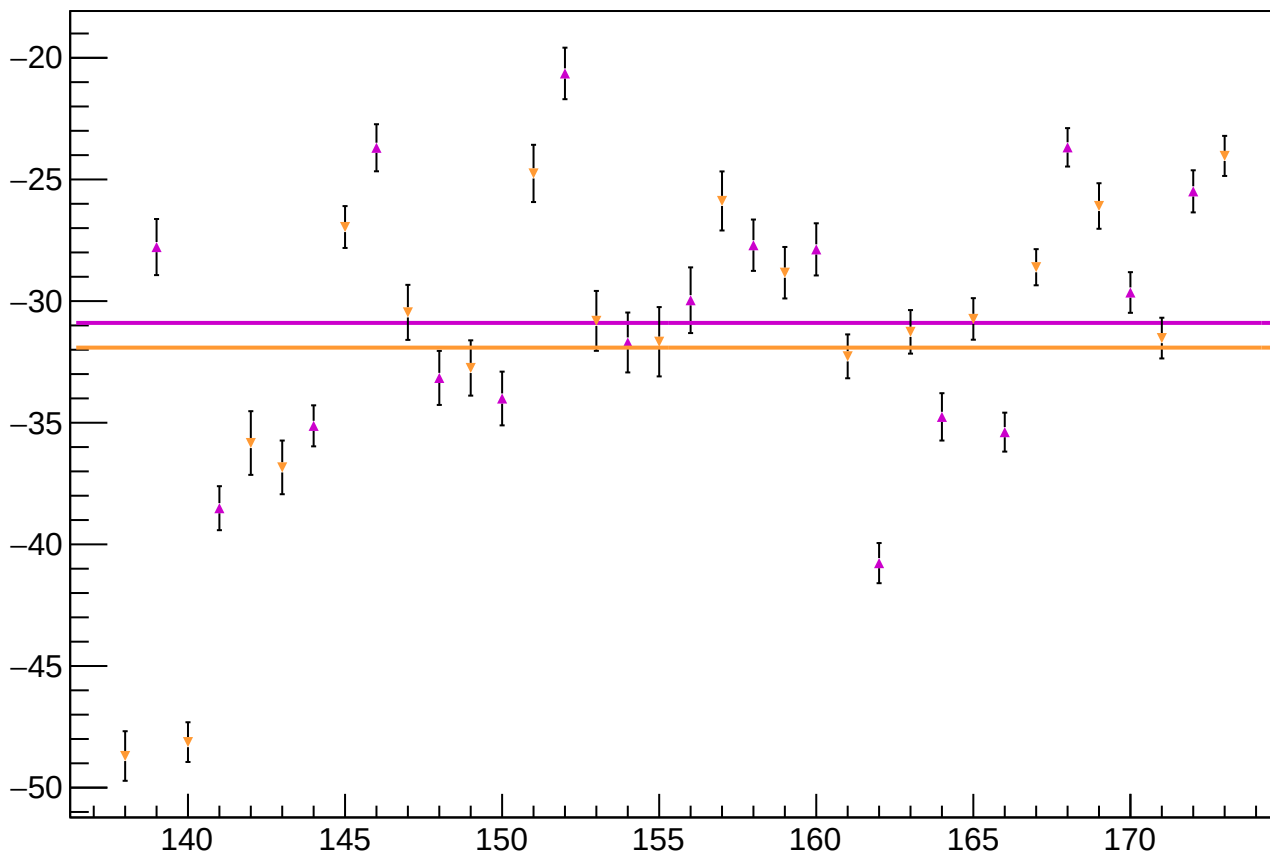
Right: 0.172 ± 0.007 χ^2/NDF : 3884.5/35

In: -0.079 ± 0.003 χ^2/NDF : 2152.4/33

Out: -0.091 ± 0.003 χ^2/NDF : 3918.9/37

All: -0.086 ± 0.002 χ^2/NDF : 6079.4/71

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.912+/-0.224 χ^2/NDF :953.7/18

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

Left In: -30.897+/-0.233 χ^2/NDF :597.8/16

Left: -31.425+/-0.162 χ^2/NDF : 1561.4/35

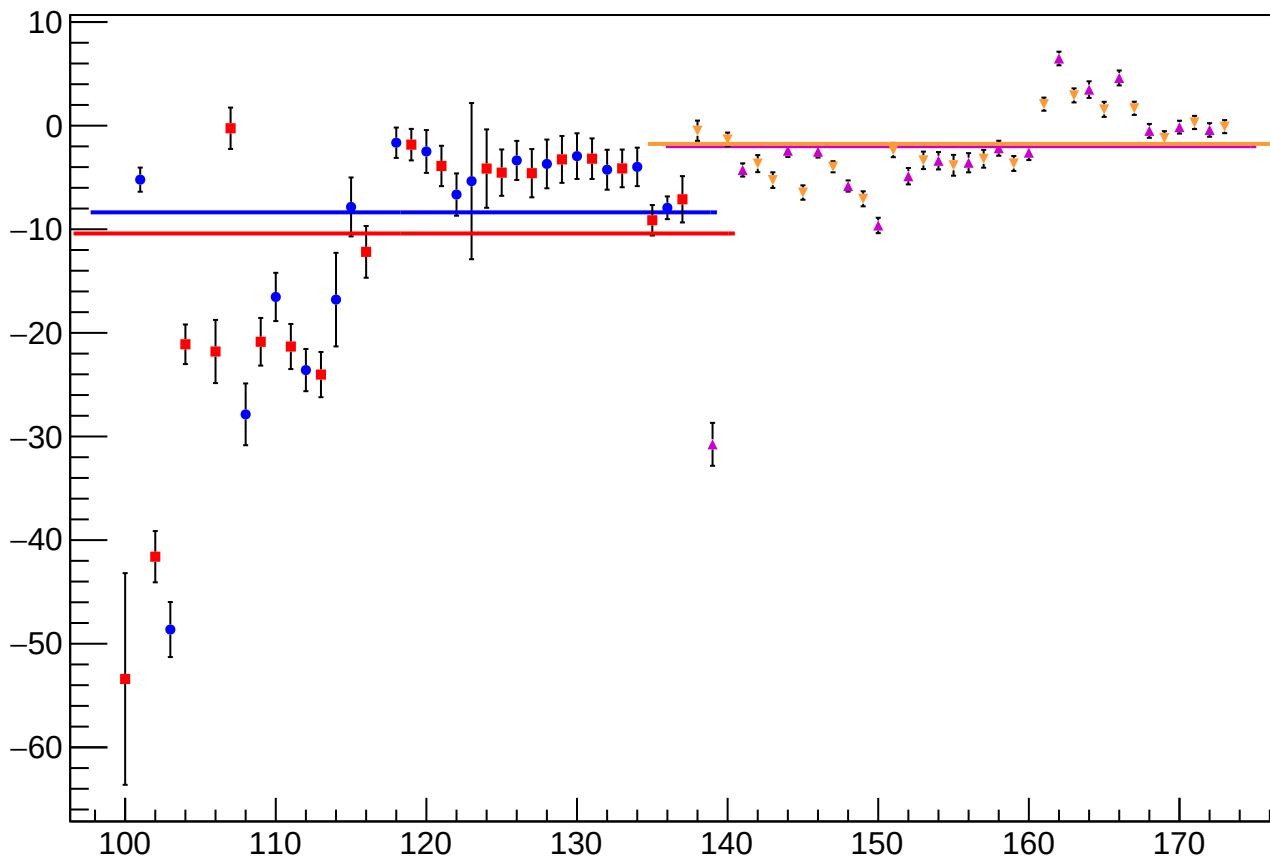
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.897+/-0.233 χ^2/NDF :597.8/16

Out: -31.912+/-0.224 χ^2/NDF :953.7/18

All: -31.425+/-0.162 χ^2/NDF : 1561.4/35

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 $\chi^2/\text{NDF}: 408.8/16$

Left Out: -1.764 ± 0.162 $\chi^2/\text{NDF}: 315.0/18$

Right Out: -10.405 ± 0.491 $\chi^2/\text{NDF}: 430.3/18$

Left In: -1.981 ± 0.170 $\chi^2/\text{NDF}: 697.7/16$

Left: -1.868 ± 0.117 $\chi^2/\text{NDF}: 1013.6/35$

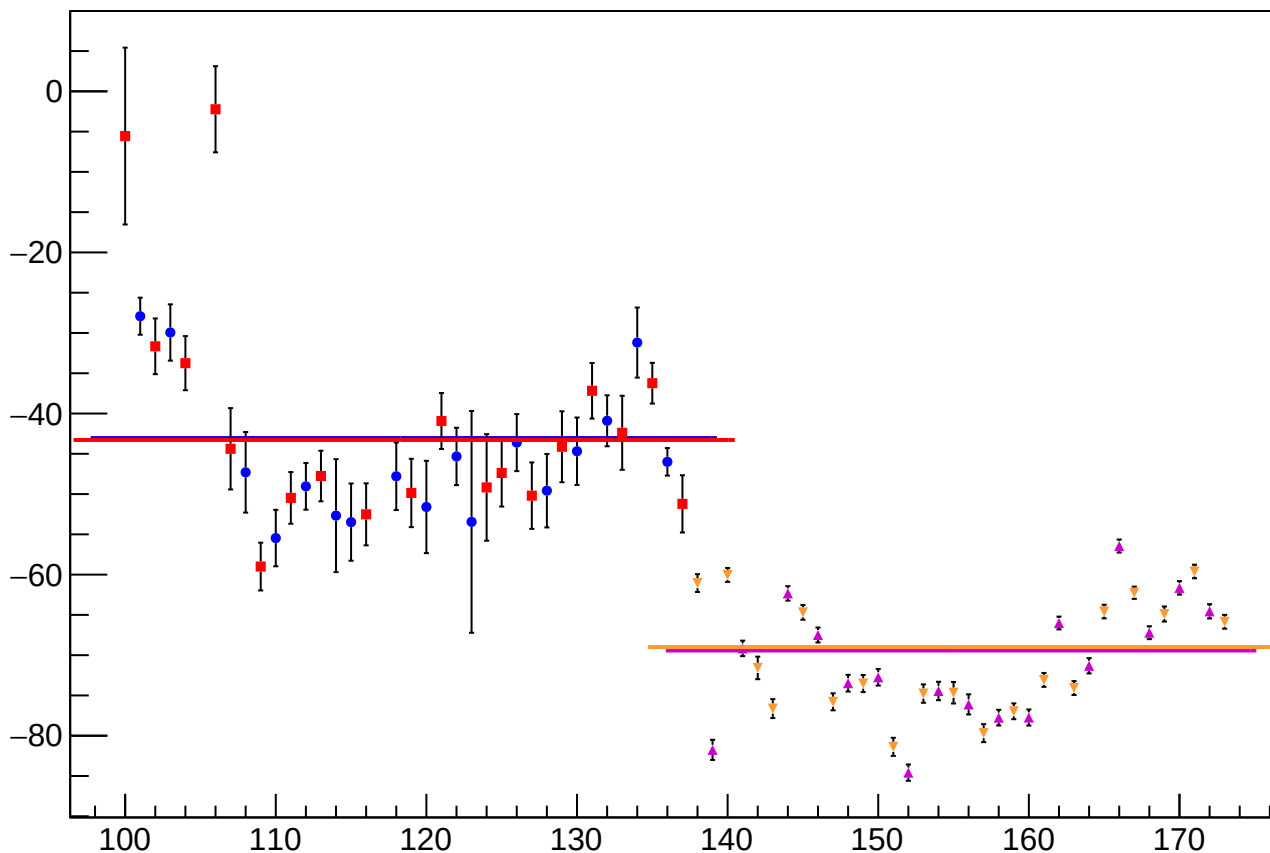
Right: -9.333 ± 0.338 $\chi^2/\text{NDF}: 848.2/35$

In: -2.728 ± 0.159 $\chi^2/\text{NDF}: 1272.3/33$

Out: -2.615 ± 0.154 $\chi^2/\text{NDF}: 1024.6/37$

All: -2.669 ± 0.111 $\chi^2/\text{NDF}: 2297.2/71$

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected

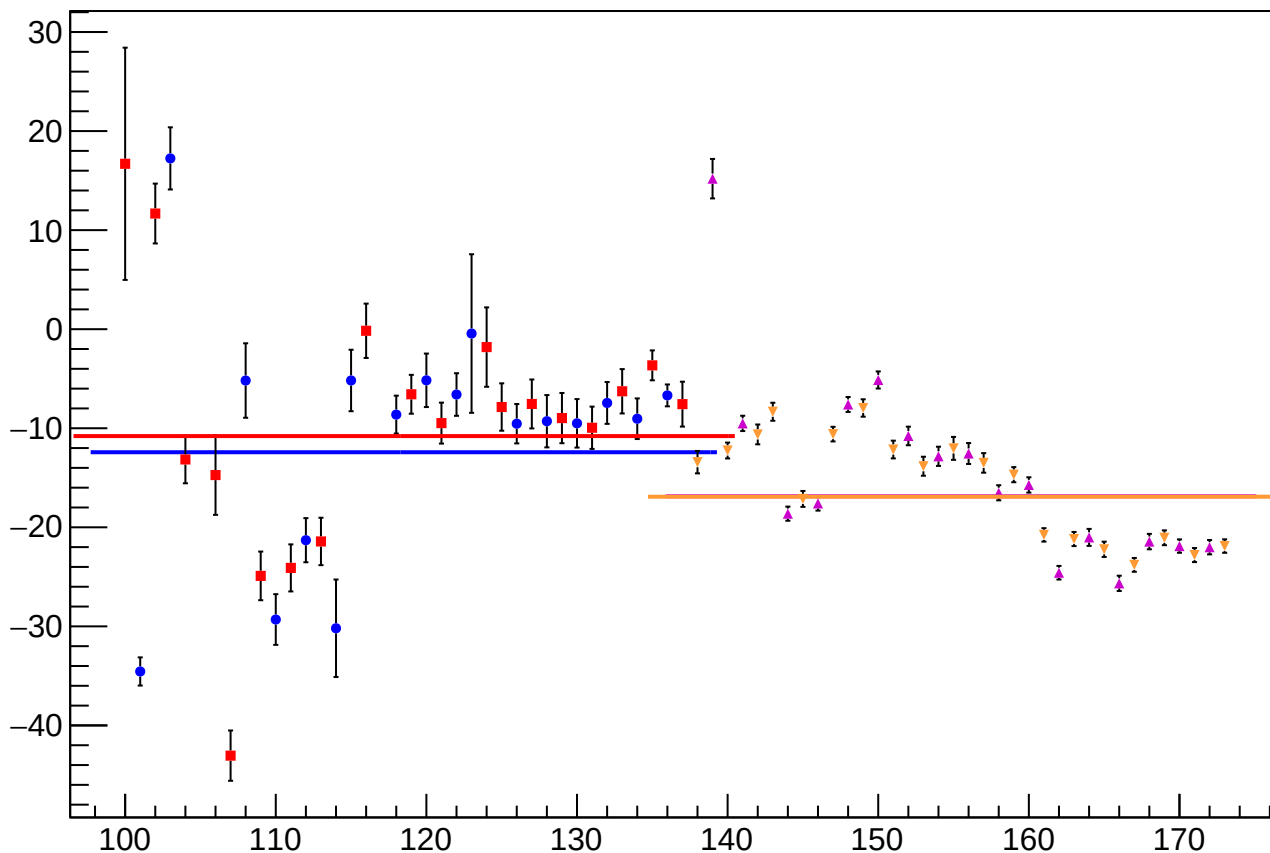


Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$
 Left Out: -68.993 ± 0.223 $\chi^2/\text{NDF}: 926.6/18$
 Right Out: -43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$
 Left In: -69.417 ± 0.230 $\chi^2/\text{NDF}: 1004.3/16$

Left: -69.199 ± 0.160 $\chi^2/\text{NDF}: 1932.7/35$
 Right: -43.161 ± 0.602 $\chi^2/\text{NDF}: 253.4/35$
 In: -67.565 ± 0.222 $\chi^2/\text{NDF}: 2025.6/33$
 Out: -67.391 ± 0.216 $\chi^2/\text{NDF}: 1905.3/37$

All: -67.476 ± 0.155 $\chi^2/\text{NDF}: 3931.2/71$

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.421 ± 0.523 χ^2/NDF : 474.4/16

Left Out: -16.912 ± 0.186 χ^2/NDF : 791.9/18

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

Left In: -16.866 ± 0.195 χ^2/NDF : 1190.0/16

Left: -16.890 ± 0.135 χ^2/NDF : 1981.9/35

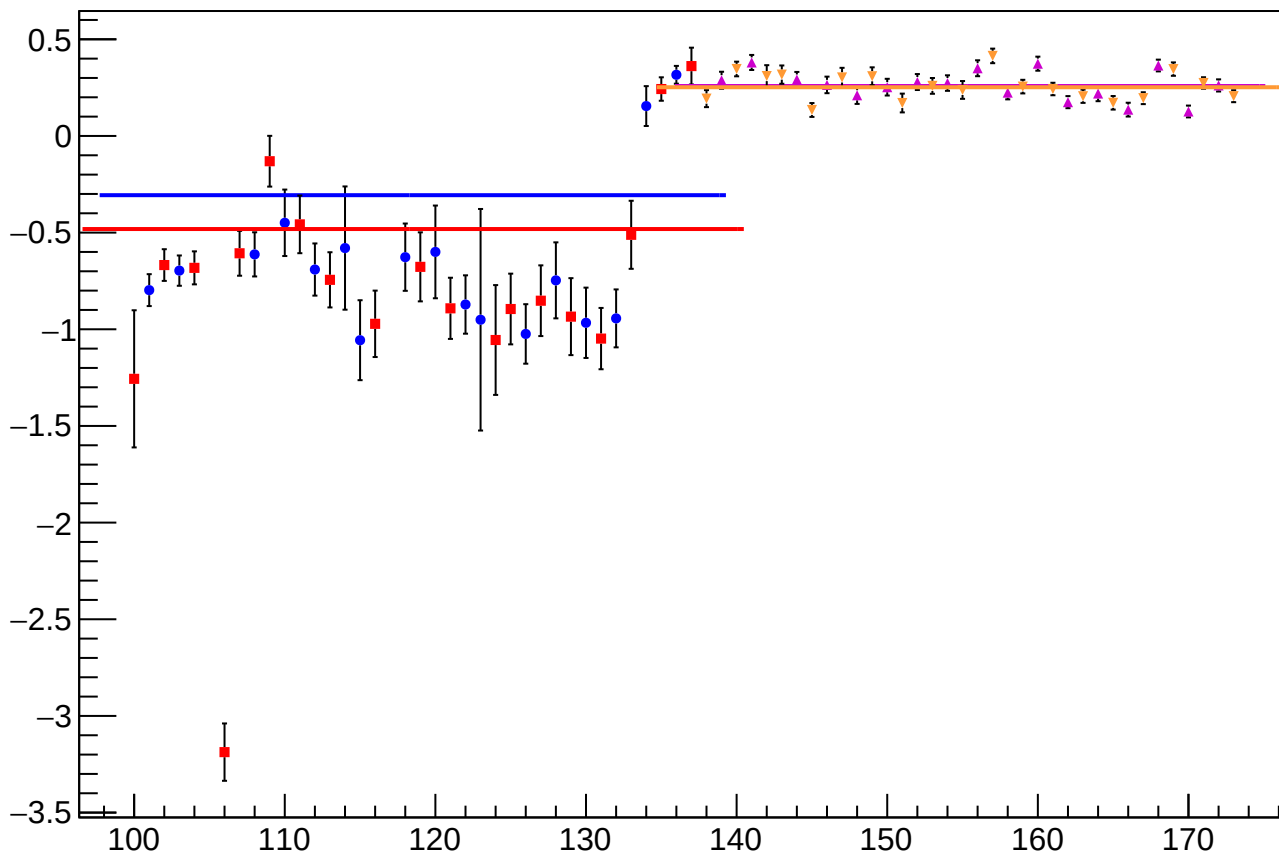
Right: -11.652 ± 0.380 χ^2/NDF : 844.7/35

In: -16.323 ± 0.183 χ^2/NDF : 1727.8/33

Out: -16.291 ± 0.176 χ^2/NDF : 1267.5/37

All: -16.307 ± 0.127 χ^2/NDF : 2995.3/71

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.252 ± 0.009 χ^2/NDF : 66.4/18

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

Left In: 0.258 ± 0.009 χ^2/NDF : 79.0/16

Left: 0.255 ± 0.006 χ^2/NDF : 145.7/35

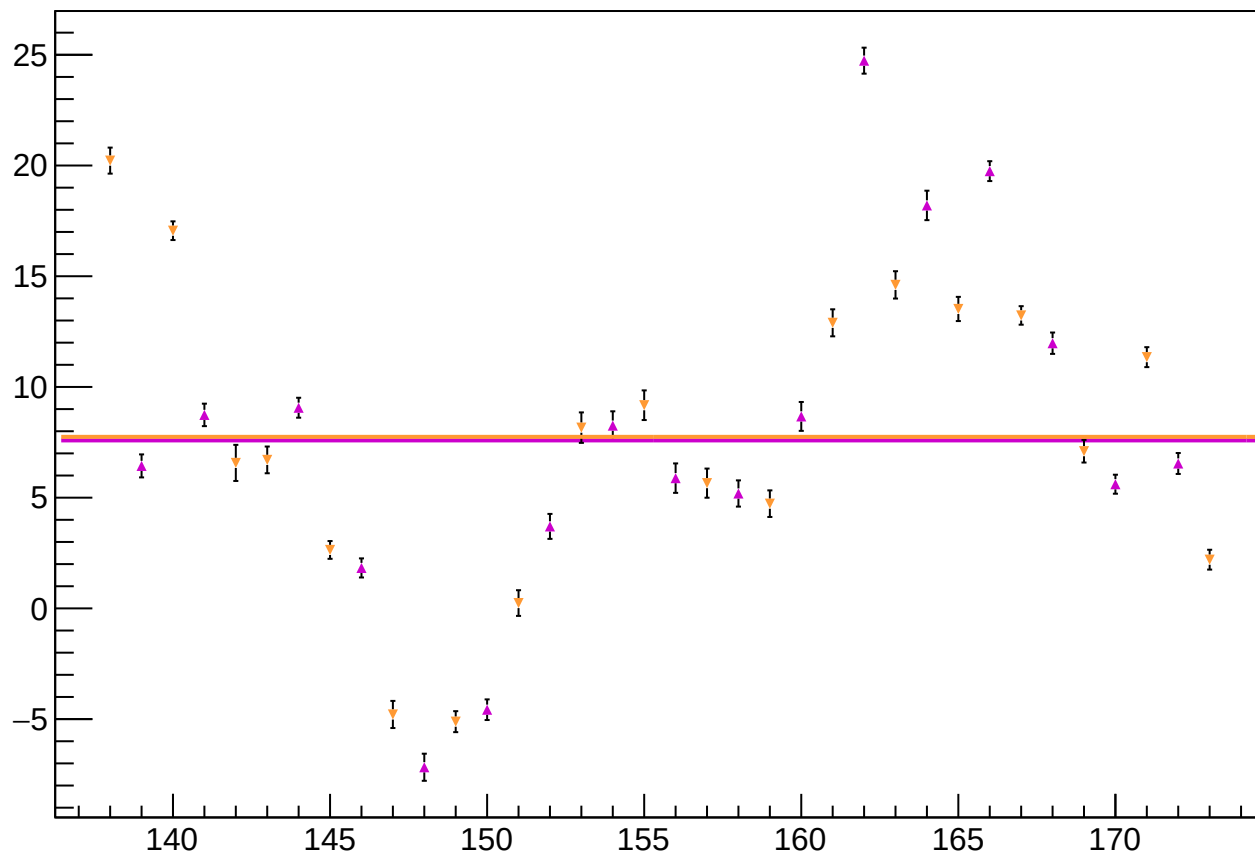
Right: -0.391 ± 0.020 χ^2/NDF : 1019.4/35

In: 0.204 ± 0.009 χ^2/NDF : 829.9/33

Out: 0.190 ± 0.008 χ^2/NDF : 1297.0/37

All: 0.197 ± 0.006 χ^2/NDF : 2128.3/71

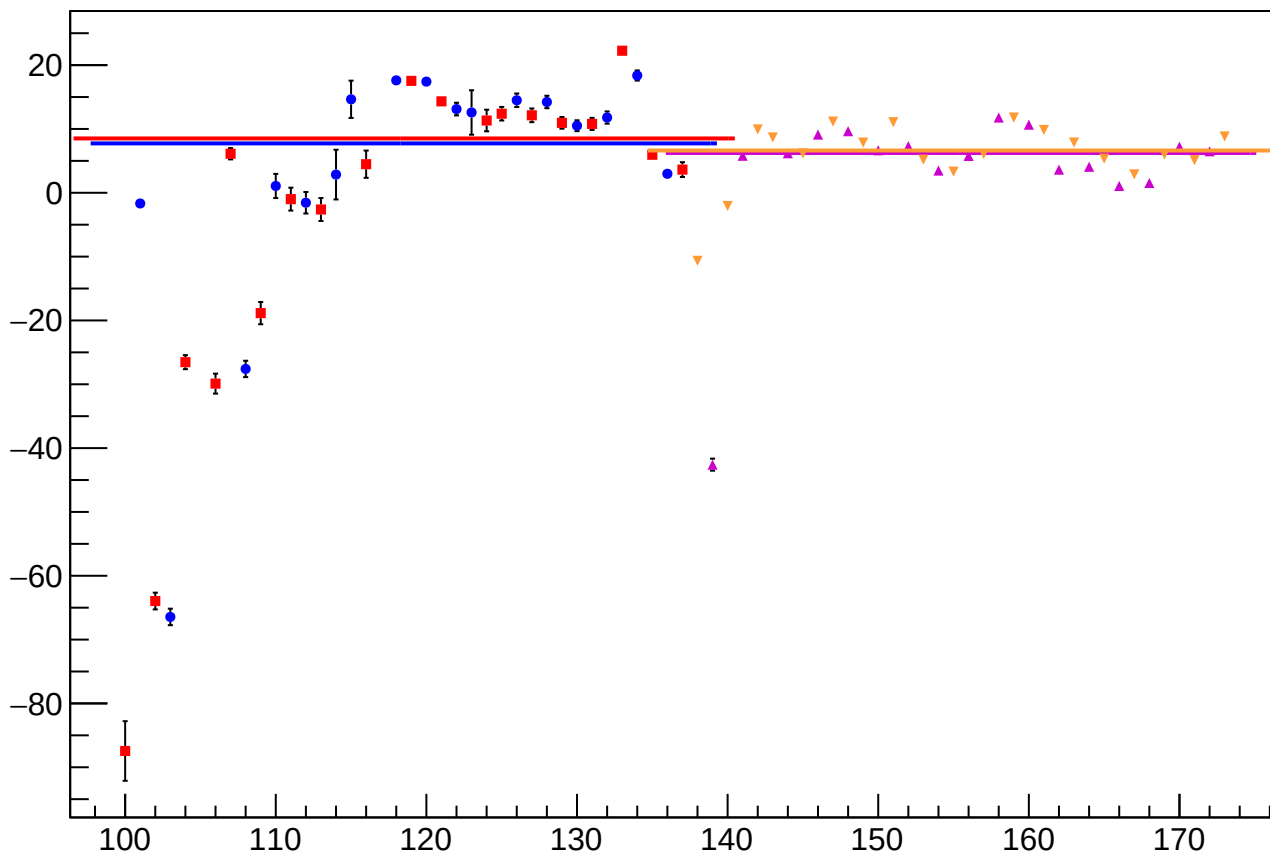
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.747+/-0.123 χ^2/NDF :3164.9/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.586+/-0.126 χ^2/NDF :3488.7/16

Left: 7.669+/-0.088 χ^2/NDF : 6654.5/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.586+/-0.126 χ^2/NDF :3488.7/16
 Out: 7.747+/-0.123 χ^2/NDF :3164.9/18
 All: 7.669+/-0.088 χ^2/NDF : 6654.5/35

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 ± 0.218 χ^2/NDF : 5300.6/16

Left Out: 6.624 ± 0.089 χ^2/NDF : 2402.0/18

Right Out: 8.514 ± 0.213 χ^2/NDF : 6719.4/18

Left In: 6.241 ± 0.093 χ^2/NDF : 3597.7/16

Left: 6.440 ± 0.064 χ^2/NDF : 6008.6/35

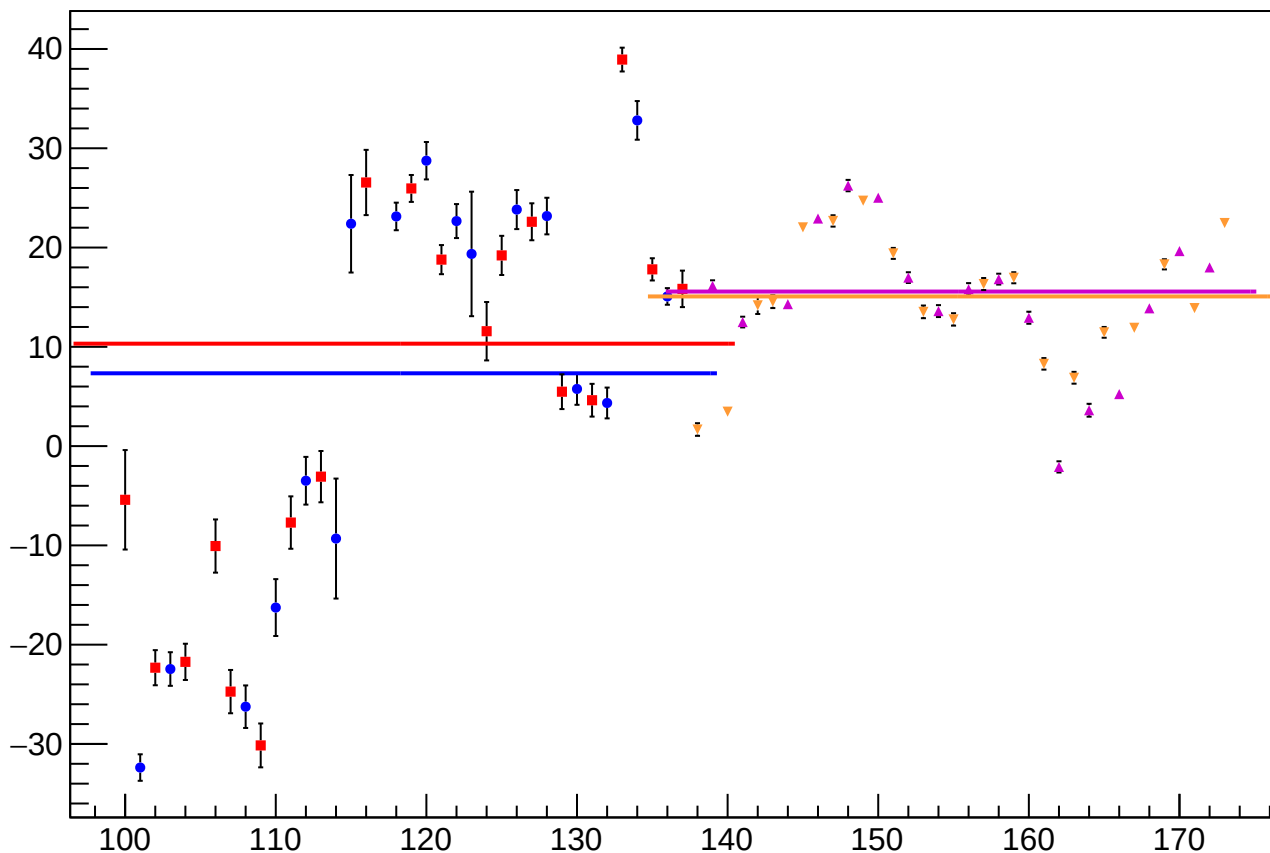
Right: 8.134 ± 0.152 χ^2/NDF : 12026.5/35

In: 6.470 ± 0.085 χ^2/NDF : 8938.2/33

Out: 6.904 ± 0.082 χ^2/NDF : 9188.3/37

All: 6.695 ± 0.059 χ^2/NDF : 18140.0/71

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16

Left Out: 15.075 ± 0.122 χ^2/NDF : 2848.5/18

Right Out: 10.317 ± 0.417 χ^2/NDF : 2281.5/18

Left In: 15.568 ± 0.125 χ^2/NDF : 3169.5/16

Left: 15.316 ± 0.087 χ^2/NDF : 6025.9/35

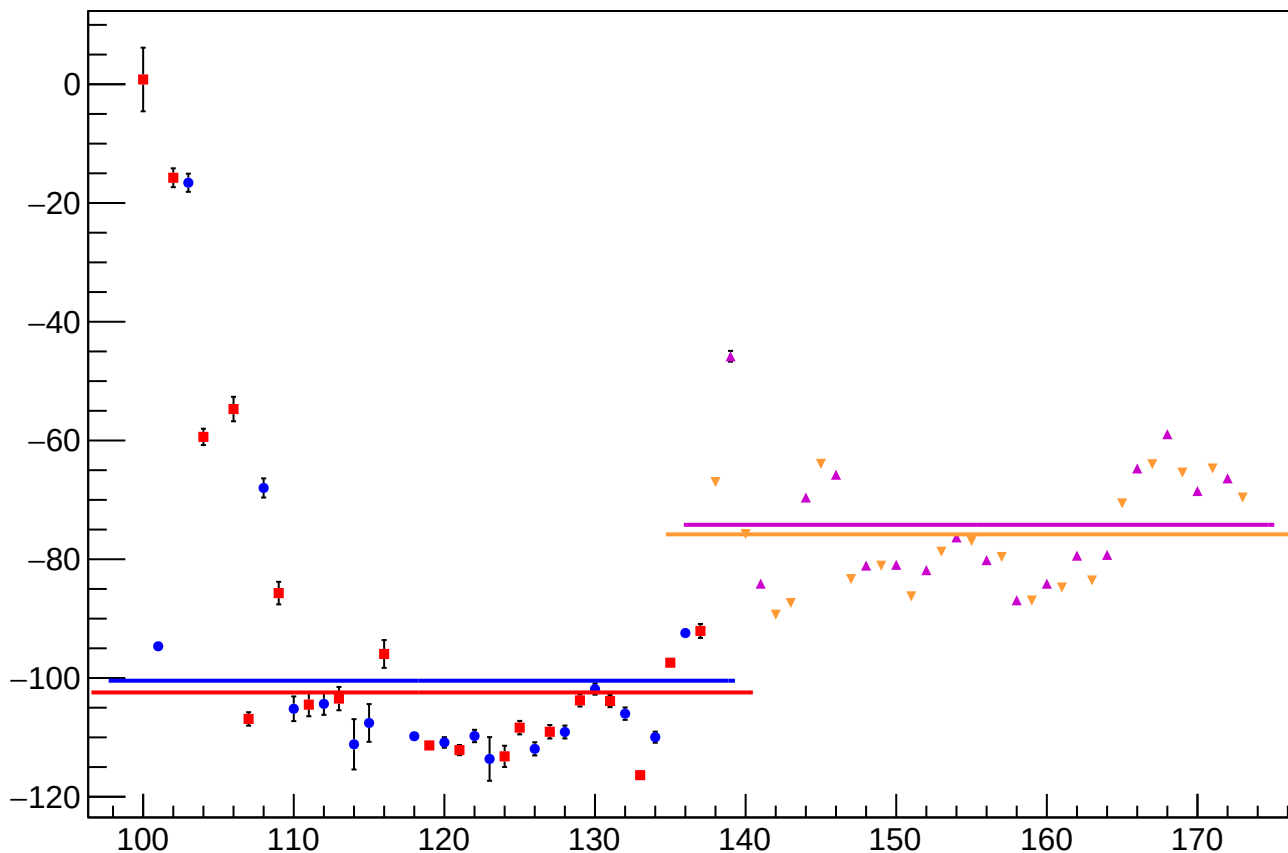
Right: 8.831 ± 0.295 χ^2/NDF : 4600.2/35

In: 14.895 ± 0.120 χ^2/NDF : 5818.0/33

Out: 14.698 ± 0.117 χ^2/NDF : 5250.0/37

All: 14.795 ± 0.084 χ^2/NDF : 11069.3/71

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.457 ± 0.251 χ^2/NDF : 4461.1/16

Left Out: -75.805 ± 0.102 χ^2/NDF : 7435.7/18

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

Left In: -74.199 ± 0.107 χ^2/NDF : 6895.8/16

Left: -75.035 ± 0.074 χ^2/NDF : 14449.3/35

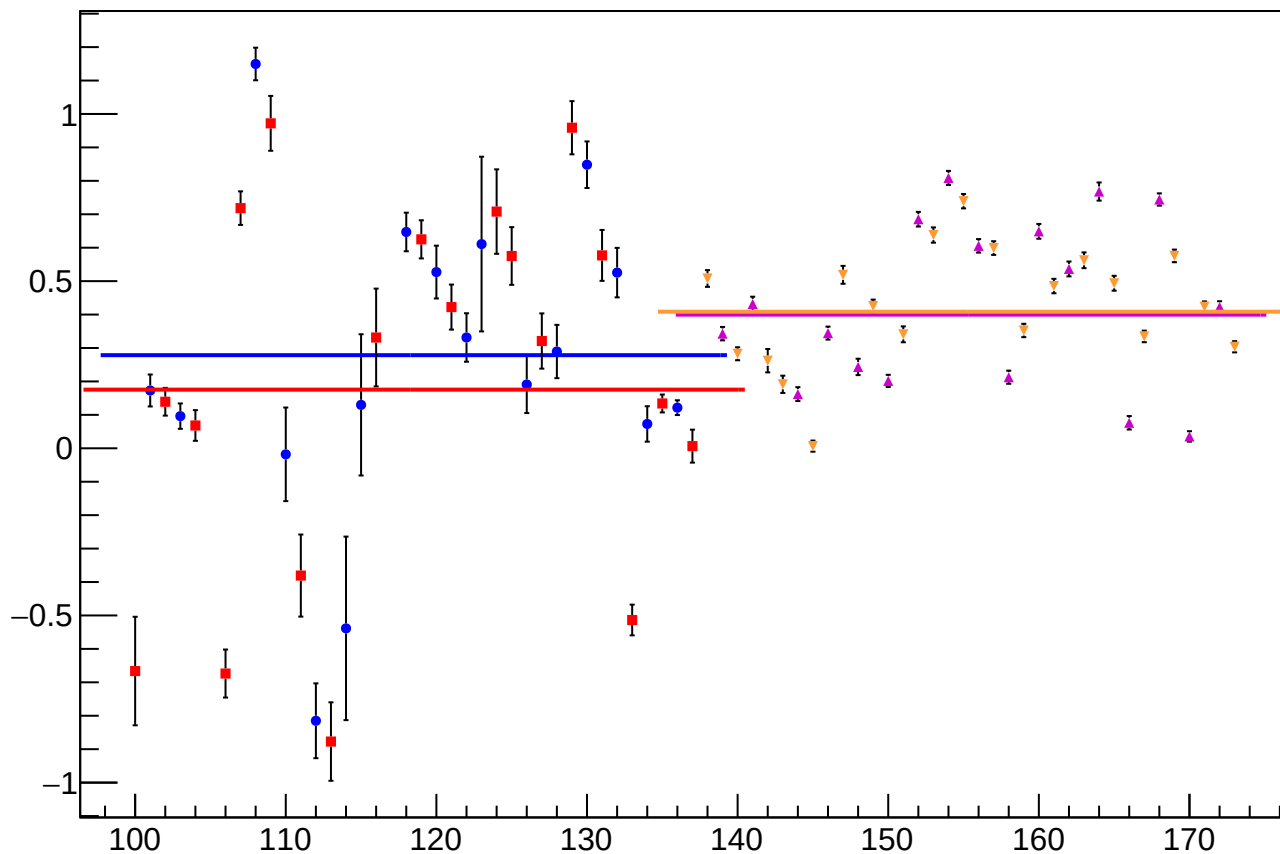
Right: -101.462 ± 0.176 χ^2/NDF : 10586.9/35

In: -78.226 ± 0.098 χ^2/NDF : 20641.2/33

Out: -79.732 ± 0.095 χ^2/NDF : 23496.3/37

All: -79.008 ± 0.068 χ^2/NDF : 44259.4/71

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279 $\pm$ 0.014 χ^2/NDF : 653.9/16

Left Out: 0.409 $\pm$ 0.005 χ^2/NDF :1390.5/18

Right Out: 0.175 $\pm$ 0.013 χ^2/NDF : 967.7/18

Left In: 0.400 $\pm$ 0.005 χ^2/NDF :2551.7/16

Left: 0.404 $\pm$ 0.003 χ^2/NDF : 3943.9/35

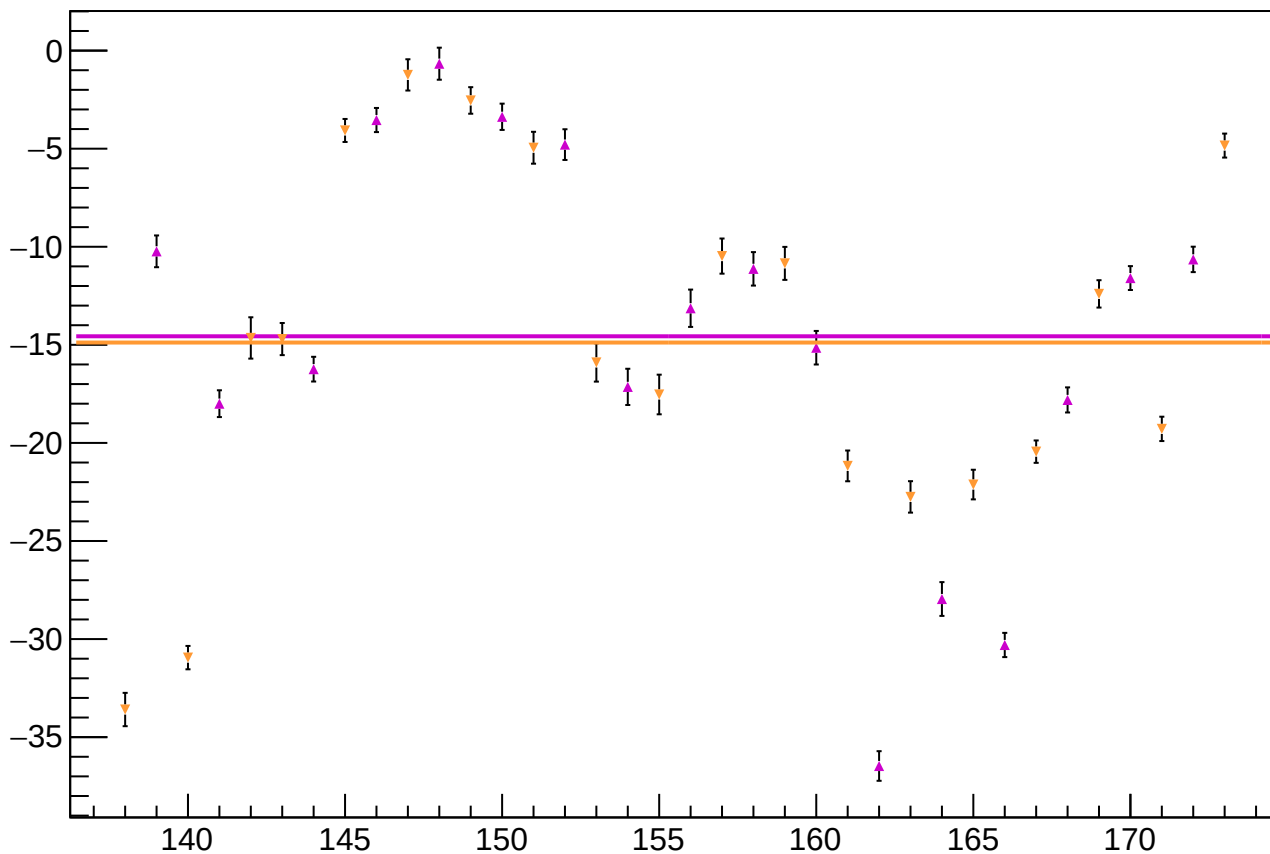
Right: 0.227 $\pm$ 0.010 χ^2/NDF : 1650.8/35

In: 0.386 $\pm$ 0.005 χ^2/NDF :3276.8/33

Out: 0.383 $\pm$ 0.004 χ^2/NDF :2624.5/37

All: 0.384 $\pm$ 0.003 χ^2/NDF : 5901.4/71

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -14.883+/-0.170 χ^2/NDF :3061.4/18

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

Left In: -14.564+/-0.176 χ^2/NDF :2951.8/16

Left: -14.729+/-0.122 χ^2/NDF : 6014.8/35

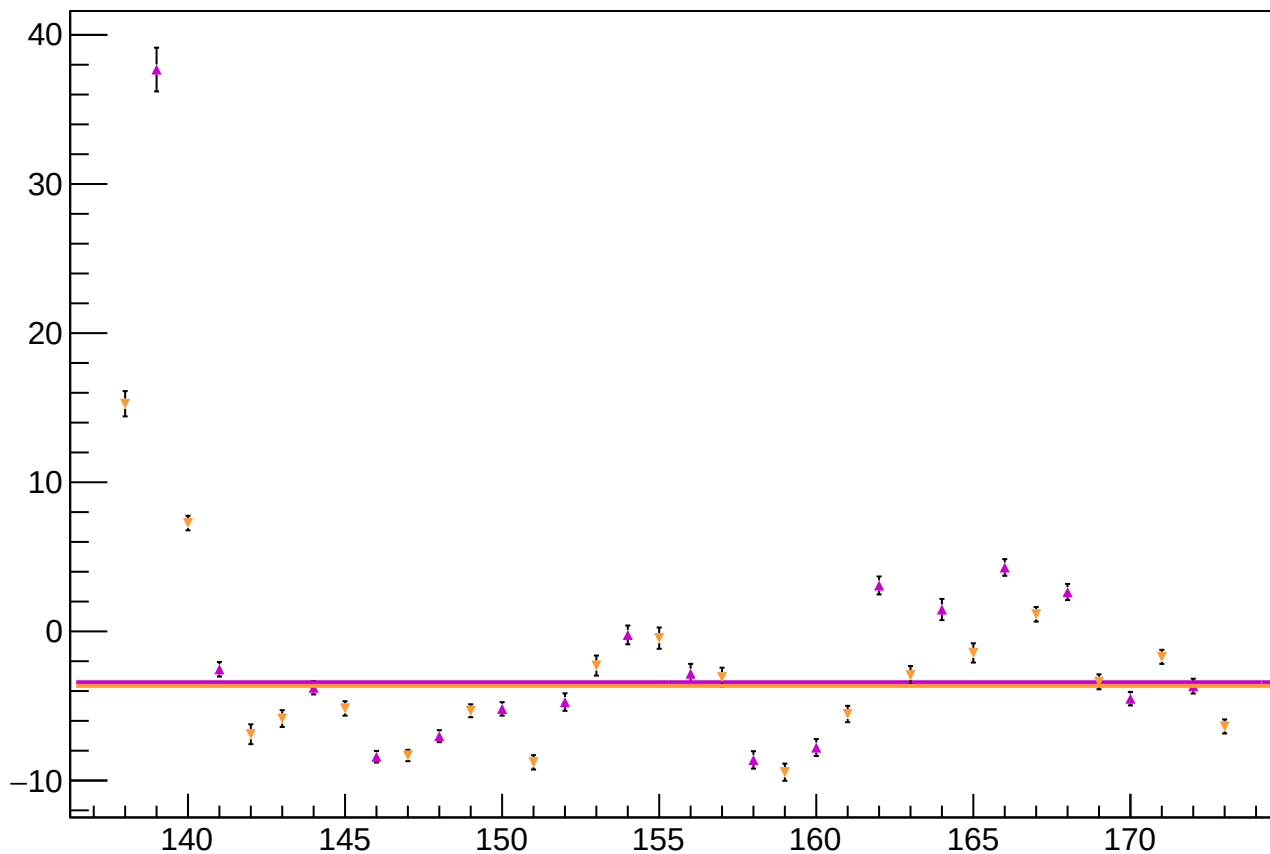
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.564+/-0.176 χ^2/NDF :2951.8/16

Out: -14.883+/-0.170 χ^2/NDF :3061.4/18

All: -14.729+/-0.122 χ^2/NDF : 6014.8/35

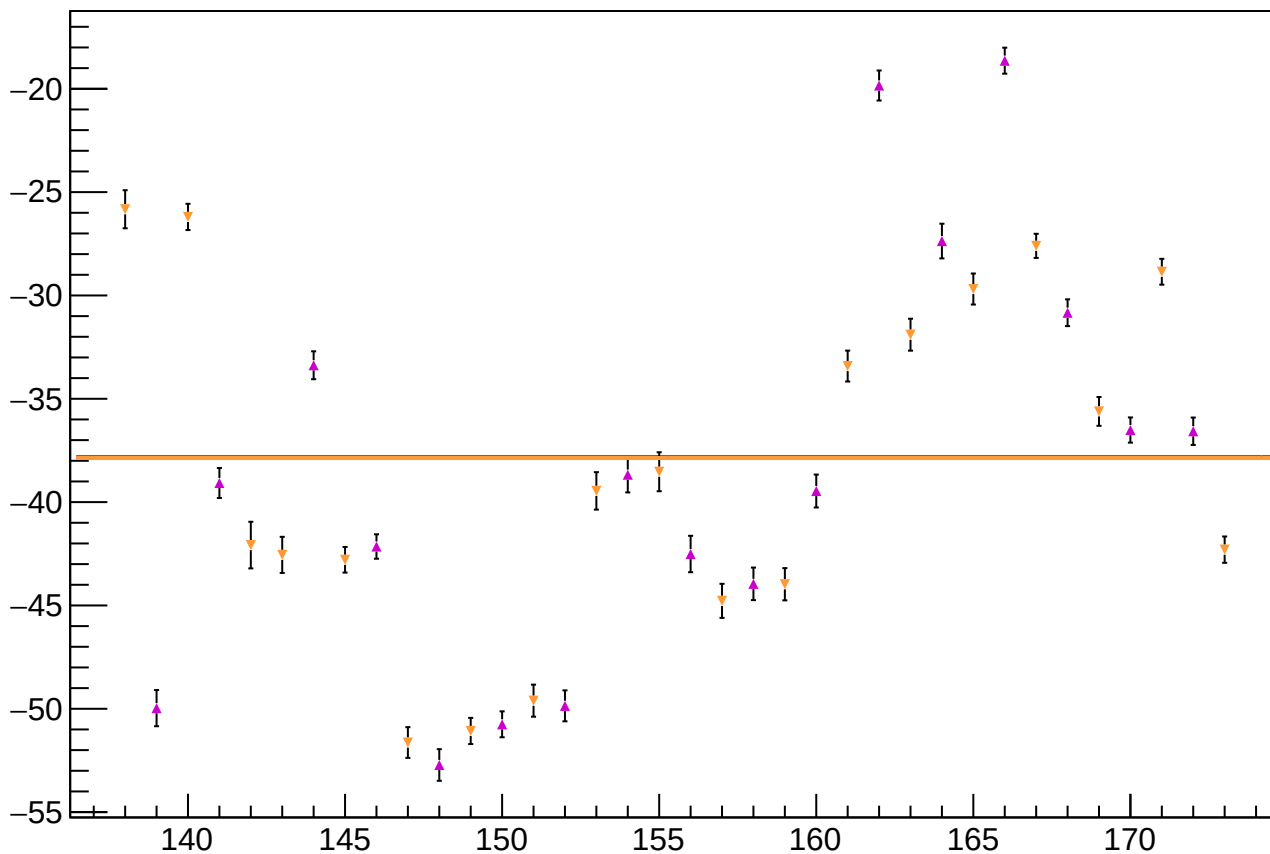
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.652+/-0.122 χ^2/NDF :1621.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.409+/-0.128 χ^2/NDF :1702.8/16

Left: -3.536+/-0.088 χ^2/NDF : 3325.9/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.409+/-0.128 χ^2/NDF :1702.8/16
 Out: -3.652+/-0.122 χ^2/NDF :1621.2/18
 All: -3.536+/-0.088 χ^2/NDF : 3325.9/35

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -37.865+/-0.169 χ^2/NDF :2545.2/18

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

Left In: -37.822+/-0.173 χ^2/NDF :3269.1/16

Left: -37.844+/-0.121 χ^2/NDF : 5814.4/35

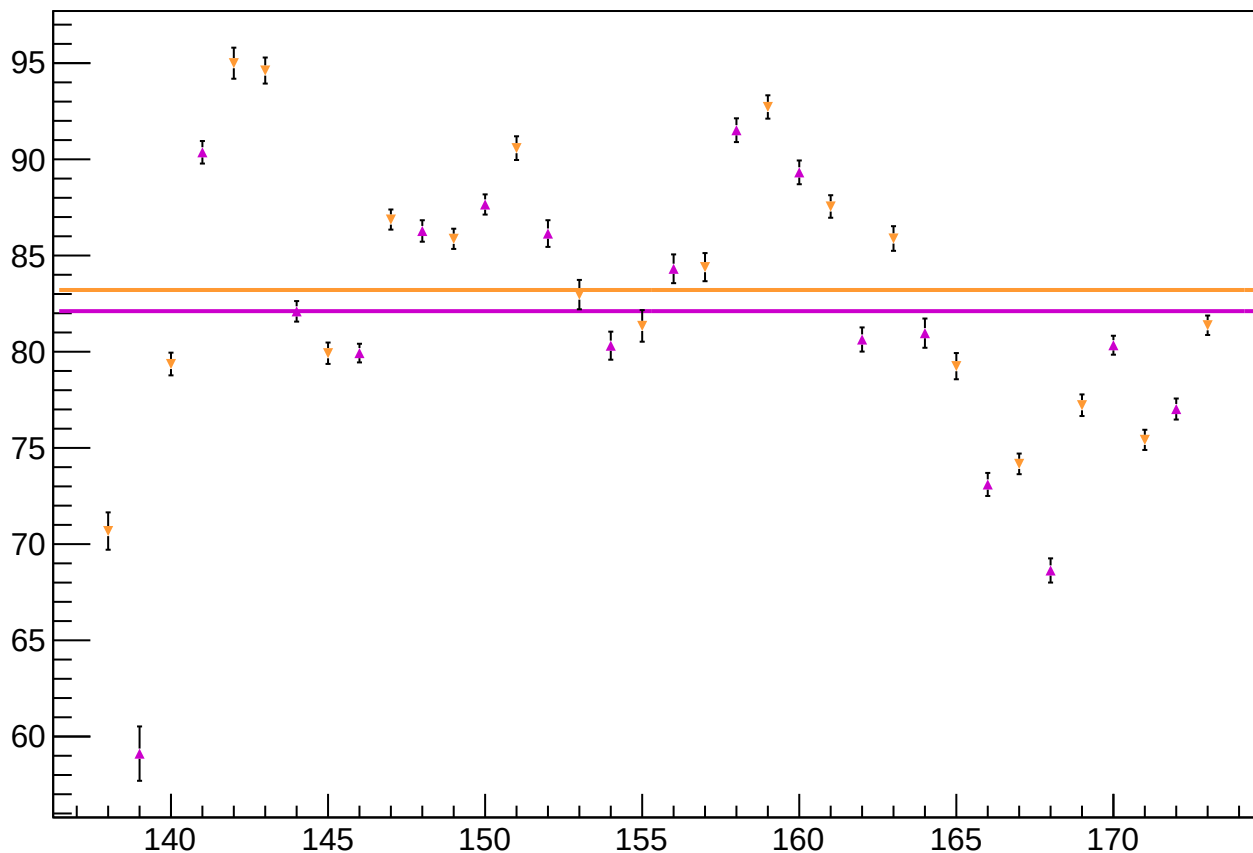
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.822+/-0.173 χ^2/NDF :3269.1/16

Out: -37.865+/-0.169 χ^2/NDF :2545.2/18

All: -37.844+/-0.121 χ^2/NDF : 5814.4/35

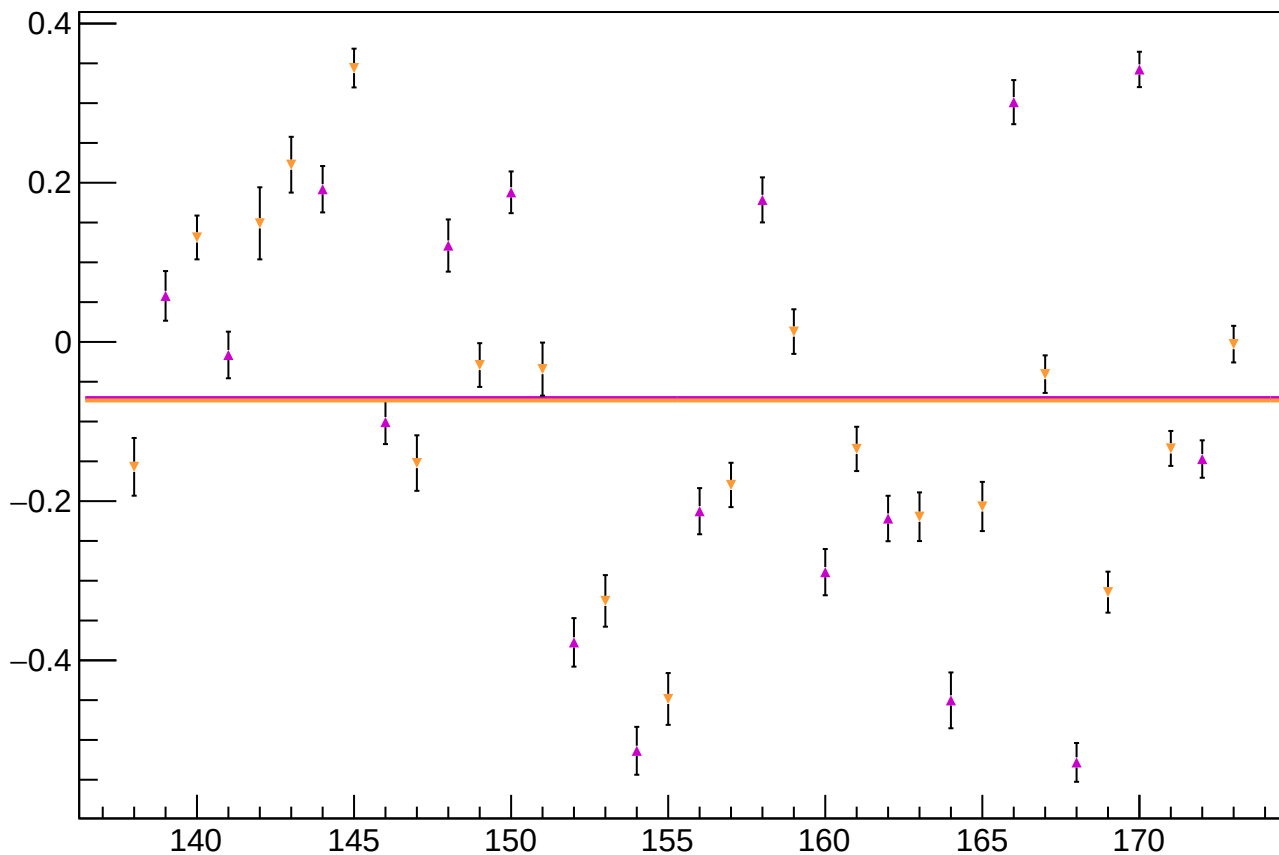
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 83.209+/-0.141 χ^2/NDF :1950.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 82.109+/-0.147 χ^2/NDF :1860.7/16

Left: 82.683+/-0.102 χ^2/NDF : 3840.0/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 82.109+/-0.147 χ^2/NDF :1860.7/16
 Out: 83.209+/-0.141 χ^2/NDF :1950.2/18
 All: 82.683+/-0.102 χ^2/NDF : 3840.0/35

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.073 $\pm$ 0.007 χ^2 /NDF:829.6/18

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

Left In: -0.071 $\pm$ 0.007 χ^2 /NDF:1744.7/16

Left: -0.072 $\pm$ 0.005 χ^2 /NDF: 2574.4/35

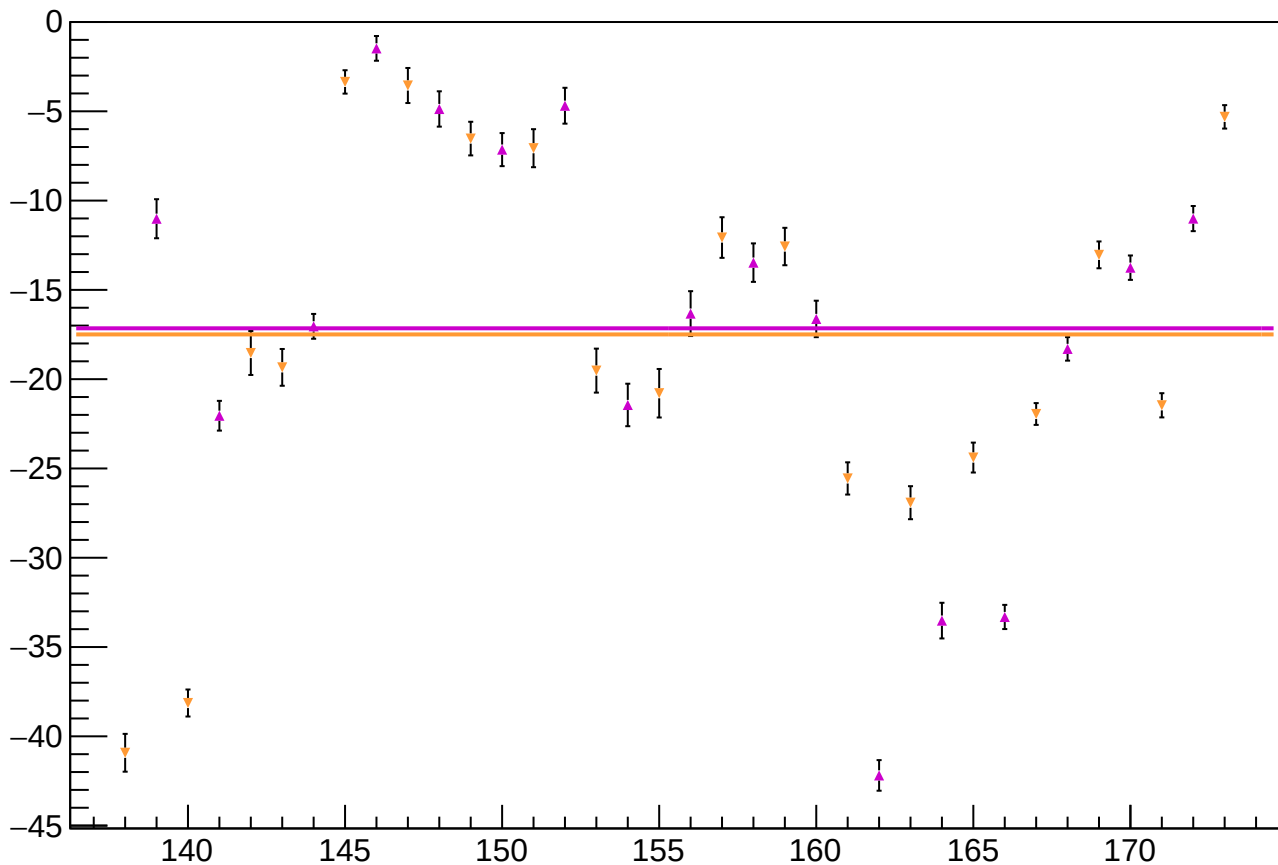
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.071 $\pm$ 0.007 χ^2 /NDF:1744.7/16

Out: -0.073 $\pm$ 0.007 χ^2 /NDF:829.6/18

All: -0.072 $\pm$ 0.005 χ^2 /NDF: 2574.4/35

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.494 $\pm$ 0.199 χ^2 /NDF:2908.6/18

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

Left In: -17.152 $\pm$ 0.205 χ^2 /NDF:2825.1/16

Left: -17.328 $\pm$ 0.143 χ^2 /NDF: 5735.1/35

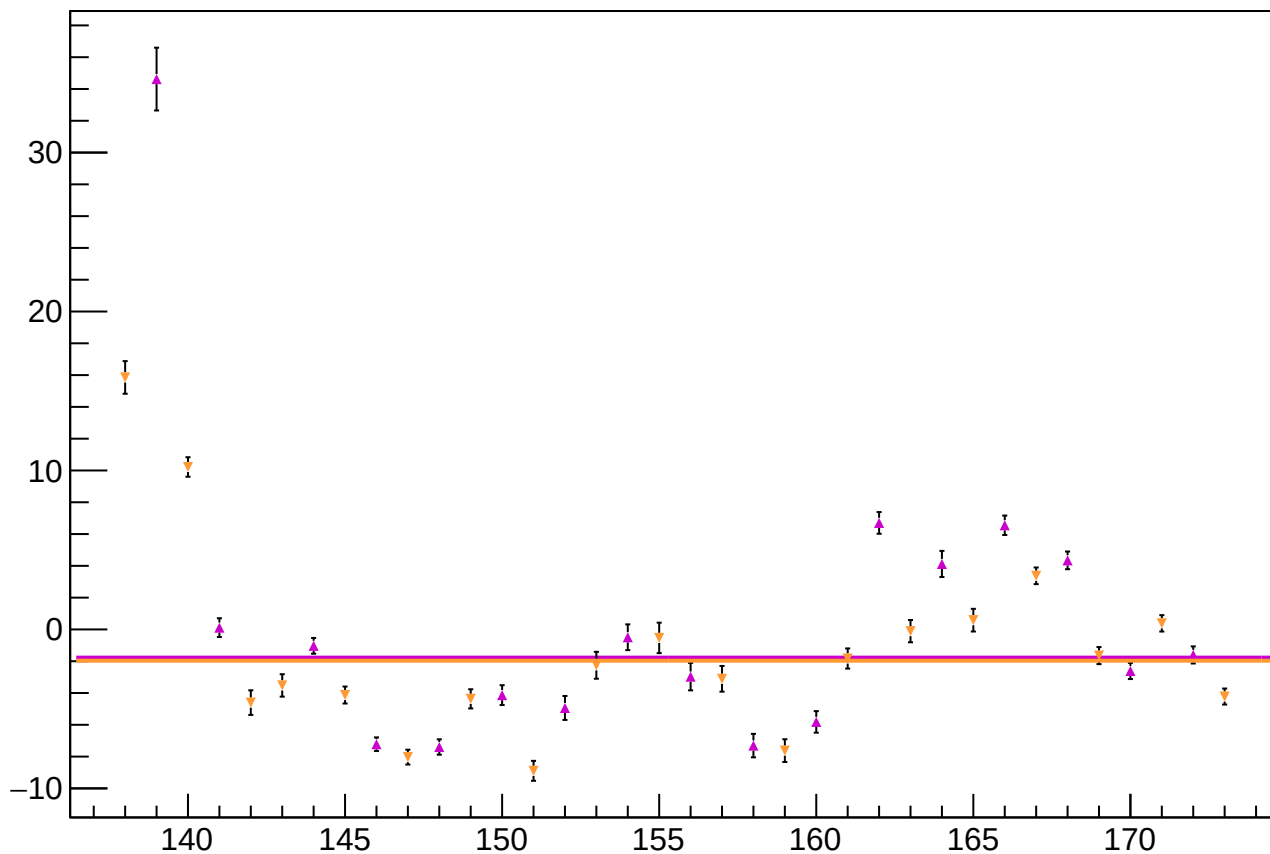
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -17.152 $\pm$ 0.205 χ^2 /NDF:2825.1/16

Out: -17.494 $\pm$ 0.199 χ^2 /NDF:2908.6/18

All: -17.328 $\pm$ 0.143 χ^2 /NDF: 5735.1/35

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



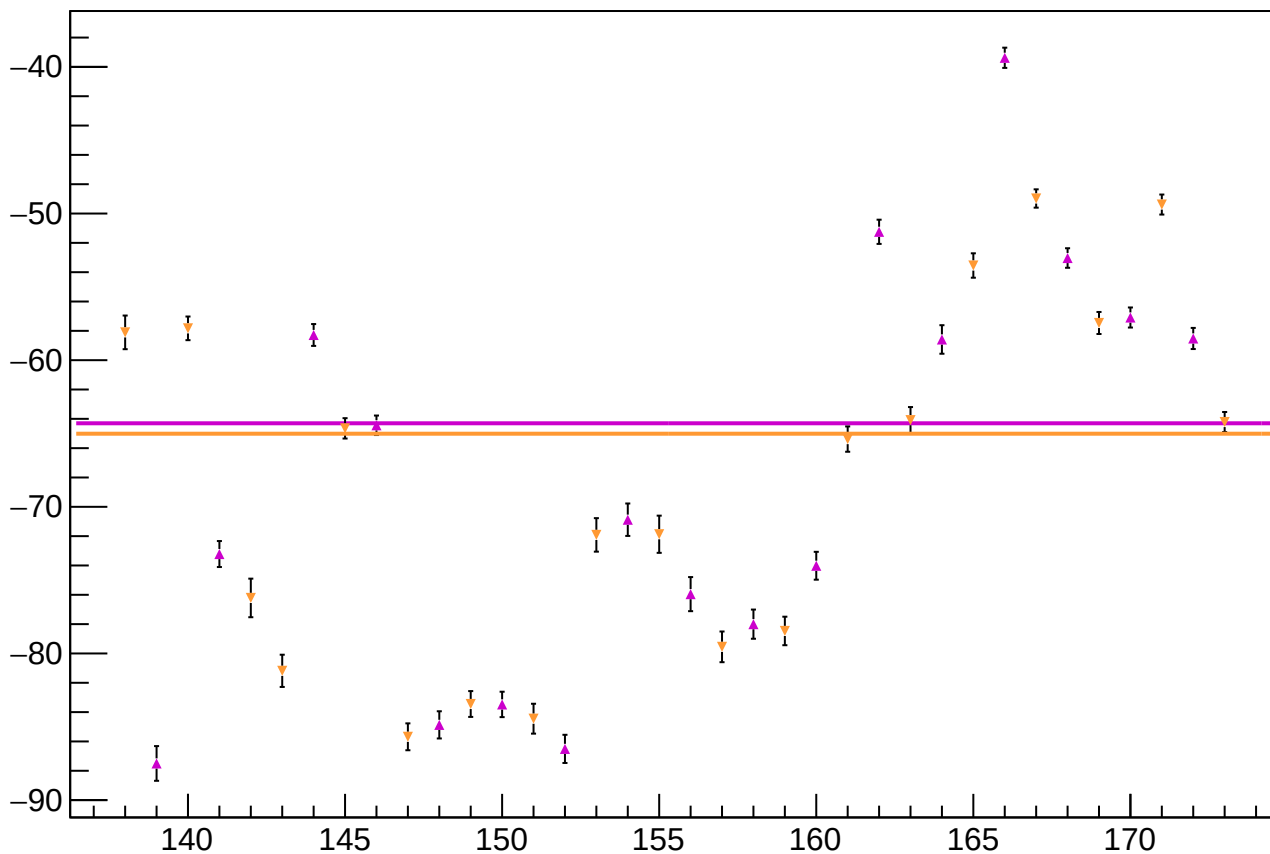
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.967+/-0.144 χ^2/NDF :1265.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.775+/-0.149 χ^2/NDF :1290.9/16

Left: -1.874+/-0.104 χ^2/NDF : 2557.3/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.775+/-0.149 χ^2/NDF :1290.9/16
 Out: -1.967+/-0.144 χ^2/NDF :1265.5/18

All: -1.874+/-0.104 χ^2/NDF : 2557.3/35

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -65.014+/-0.199 χ^2/NDF :3642.4/18

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

Left In: -64.303+/-0.203 χ^2/NDF :4549.6/16

Left: -64.666+/-0.142 χ^2/NDF : 8198.3/35

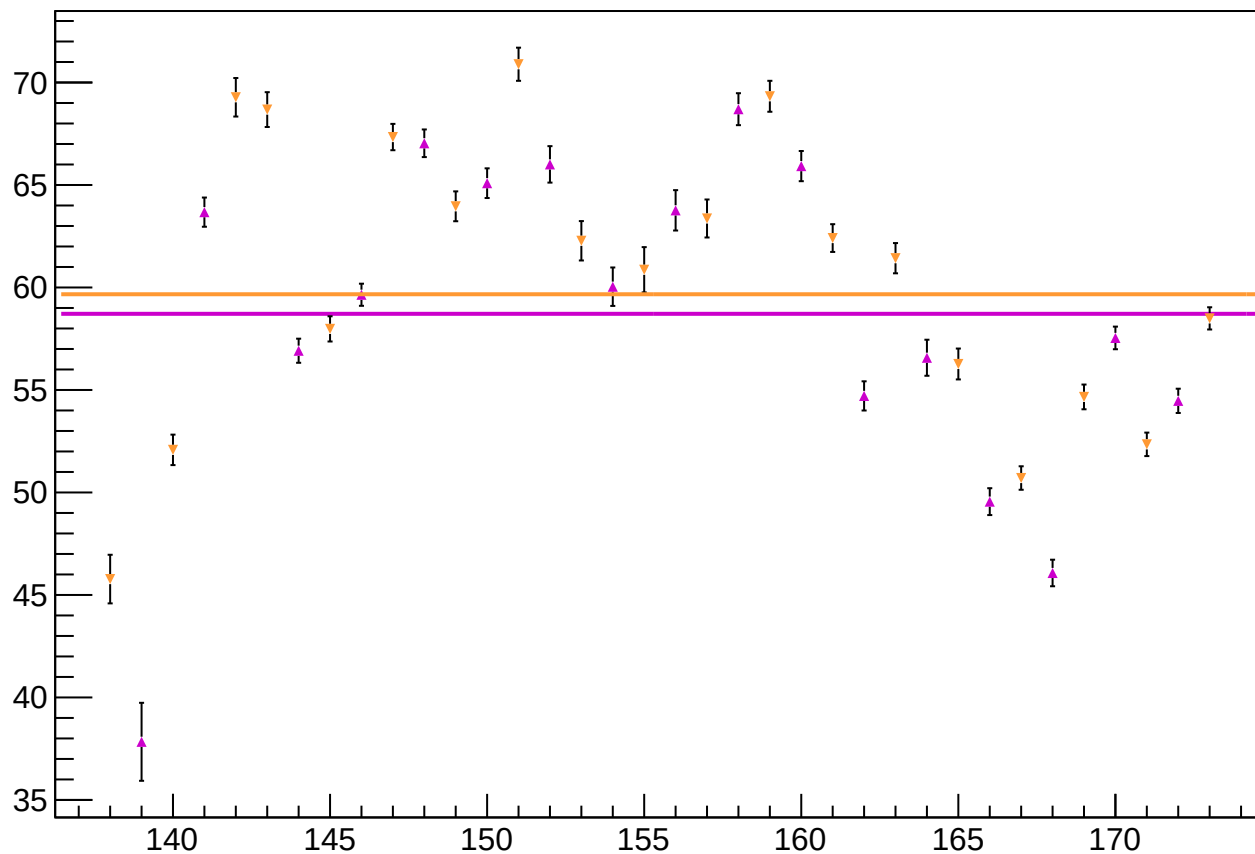
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -64.303+/-0.203 χ^2/NDF :4549.6/16

Out: -65.014+/-0.199 χ^2/NDF :3642.4/18

All: -64.666+/-0.142 χ^2/NDF : 8198.3/35

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 59.670+/-0.166 χ^2/NDF :1548.7/18

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

Left In: 58.715+/-0.172 χ^2/NDF :1436.4/16

Left: 59.211+/-0.119 χ^2/NDF : 3001.1/35

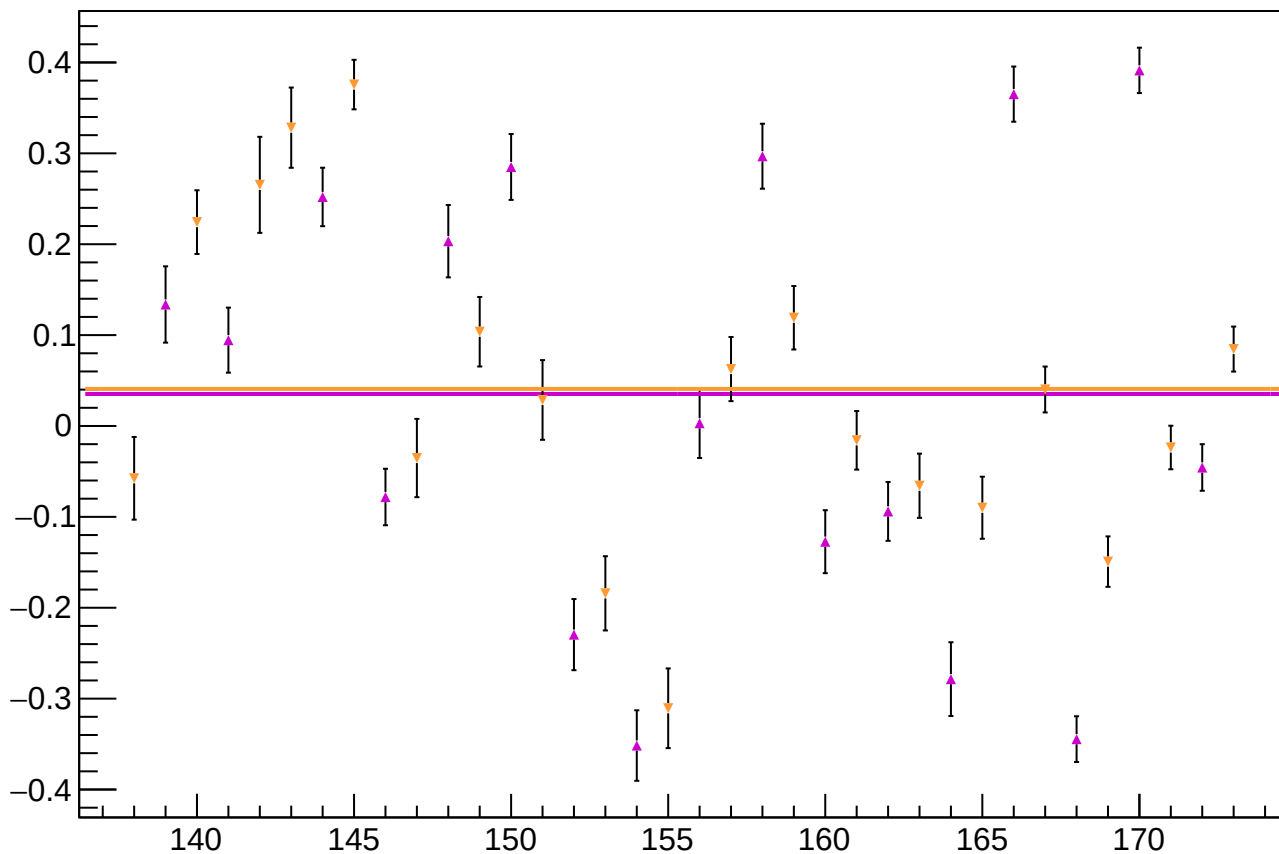
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 58.715+/-0.172 χ^2/NDF :1436.4/16

Out: 59.670+/-0.166 χ^2/NDF :1548.7/18

All: 59.211+/-0.119 χ^2/NDF : 3001.1/35

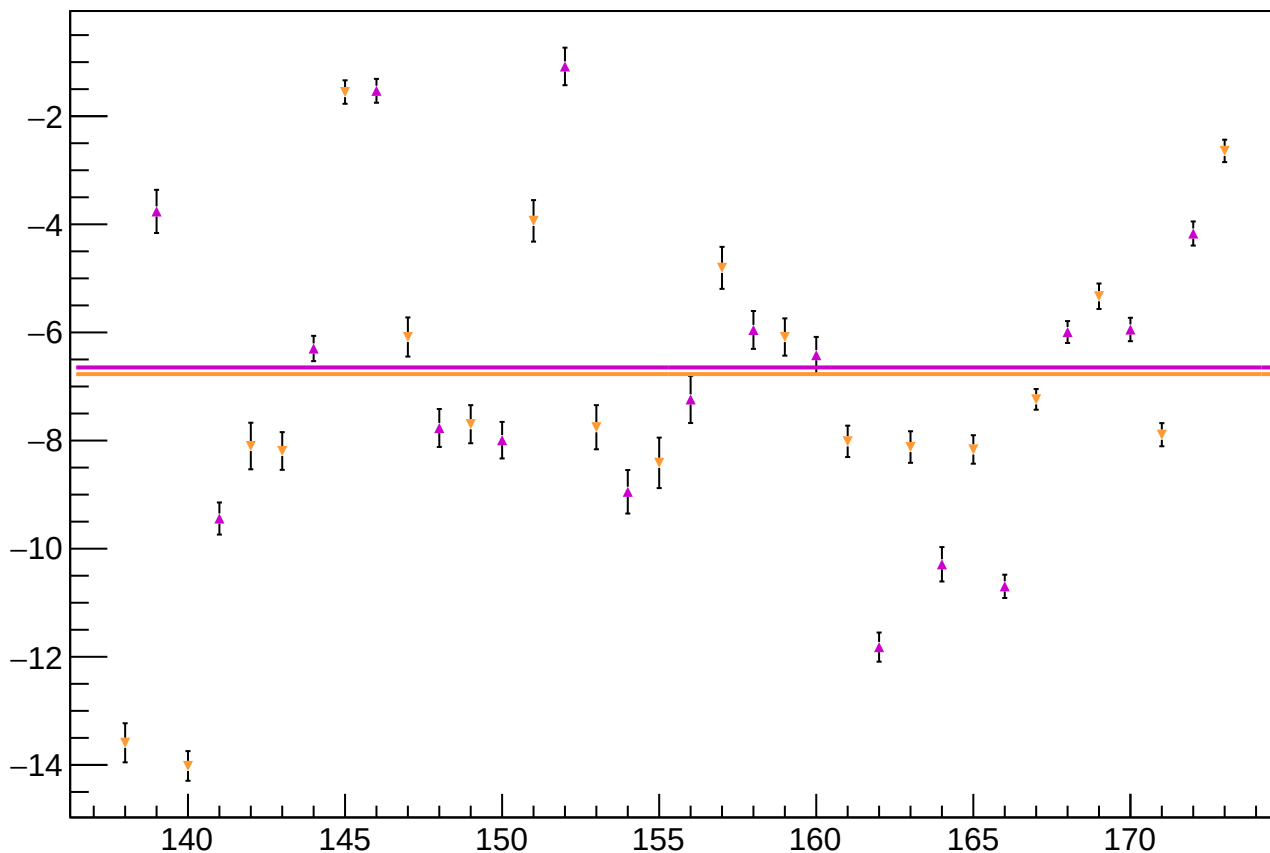
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.041 $\pm$ 0.008 χ^2 /NDF:433.5/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.035 $\pm$ 0.008 χ^2 /NDF:988.1/16

Left: 0.038 $\pm$ 0.006 χ^2 /NDF: 1421.8/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.035 $\pm$ 0.008 χ^2 /NDF:988.1/16
 Out: 0.041 $\pm$ 0.008 χ^2 /NDF:433.5/18
 All: 0.038 $\pm$ 0.006 χ^2 /NDF: 1421.8/35

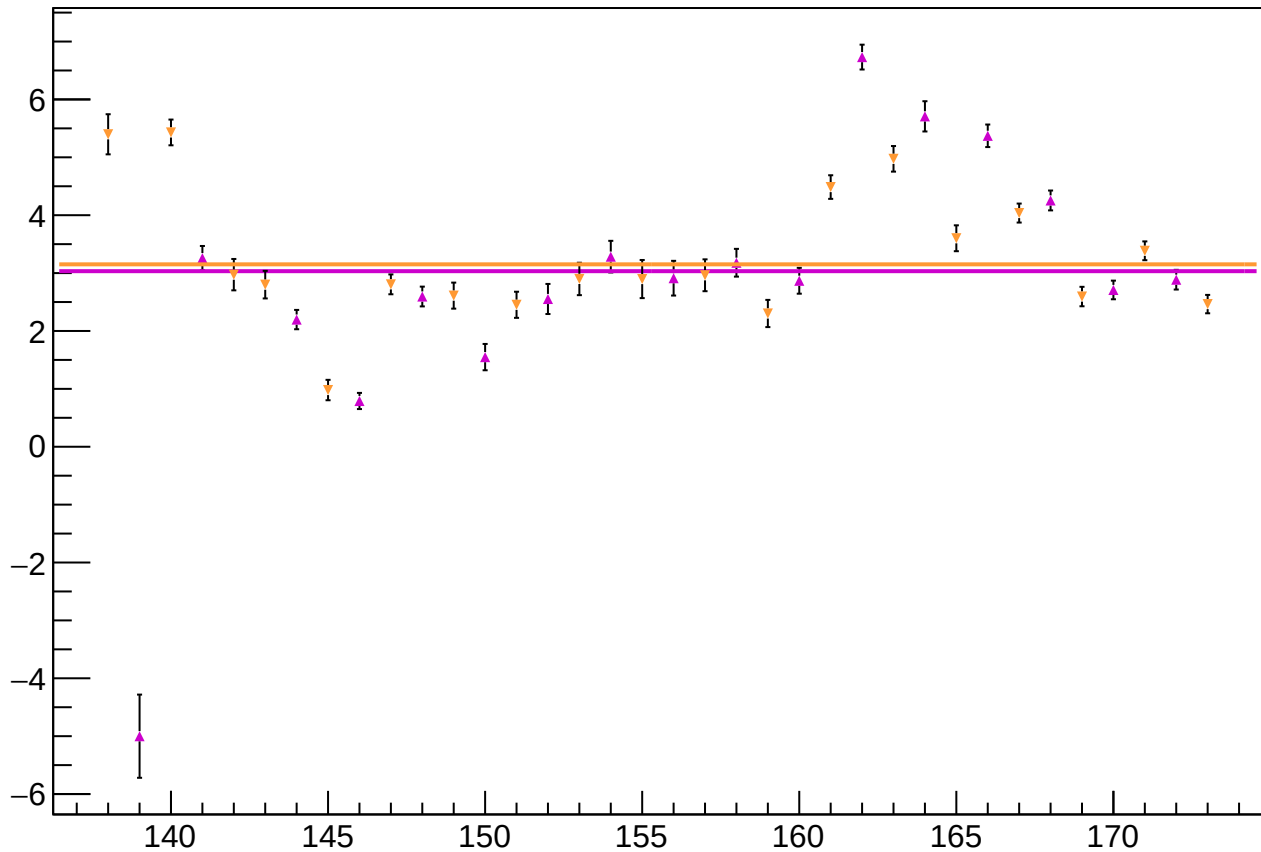
reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.771+/-0.066 χ^2/NDF :2304.4/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.648+/-0.067 χ^2/NDF :1998.2/16

Left: -6.711+/-0.047 χ^2/NDF : 4304.3/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.648+/-0.067 χ^2/NDF :1998.2/16
 Out: -6.771+/-0.066 χ^2/NDF :2304.4/18
 All: -6.711+/-0.047 χ^2/NDF : 4304.3/35

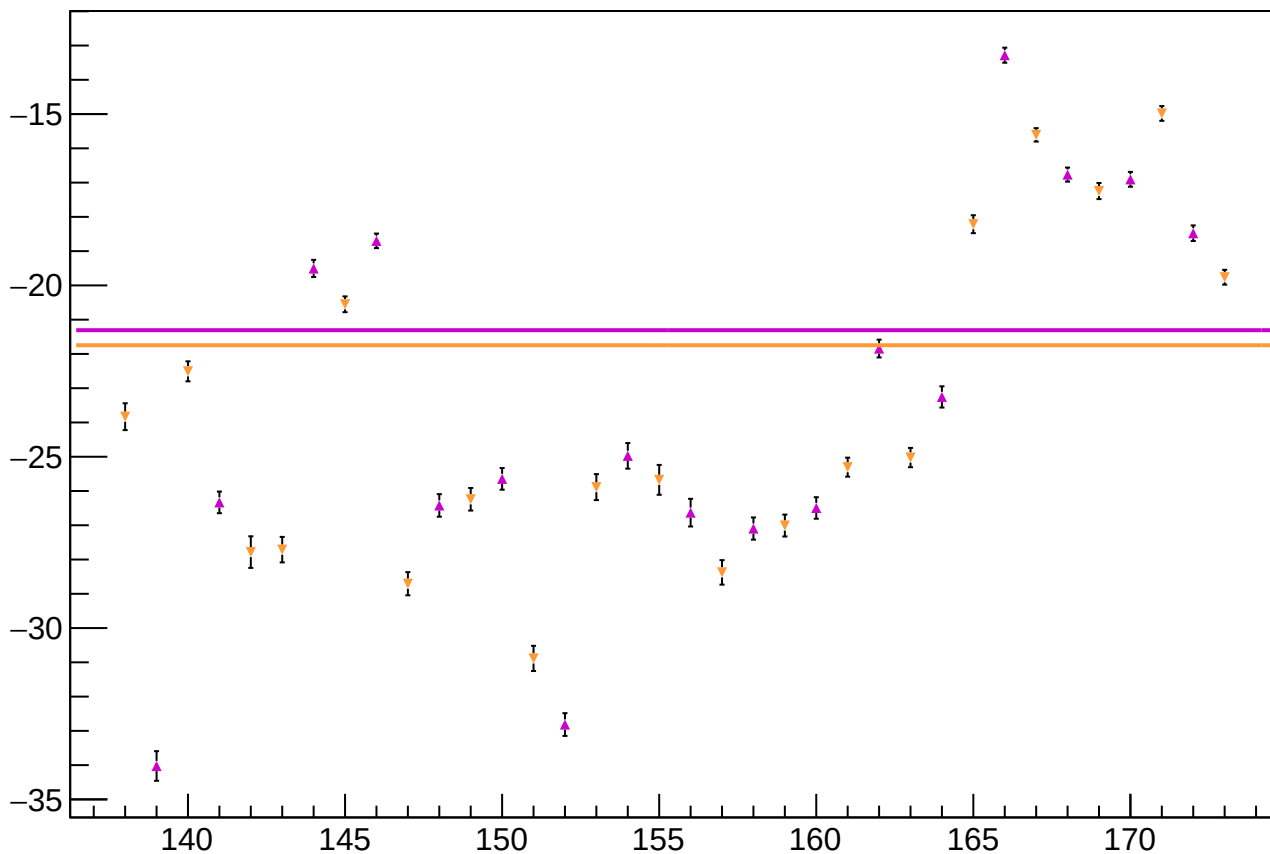
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.151 $\pm$ 0.048 χ^2 /NDF:511.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.033 $\pm$ 0.049 χ^2 /NDF:1065.7/16

Left: 3.094 $\pm$ 0.034 χ^2 /NDF: 1580.2/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 3.033 $\pm$ 0.049 χ^2 /NDF:1065.7/16
 Out: 3.151 $\pm$ 0.048 χ^2 /NDF:511.6/18
 All: 3.094 $\pm$ 0.034 χ^2 /NDF: 1580.2/35

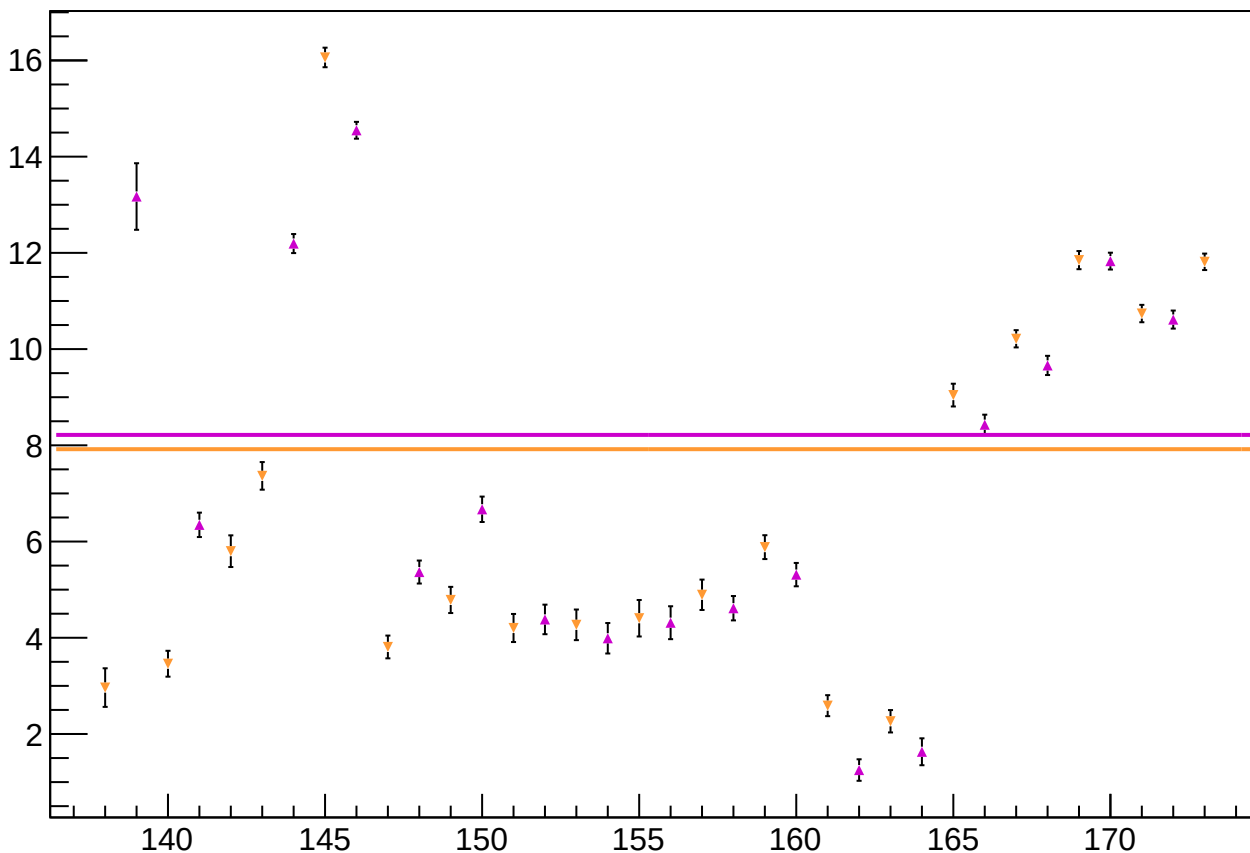
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -21.746+/-0.066 χ^2/NDF :5437.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -21.308+/-0.067 χ^2/NDF :6246.9/16

Left: -21.530+/-0.047 χ^2/NDF : 11706.4/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -21.308+/-0.067 χ^2/NDF :6246.9/16
 Out: -21.746+/-0.066 χ^2/NDF :5437.5/18
 All: -21.530+/-0.047 χ^2/NDF : 11706.4/35

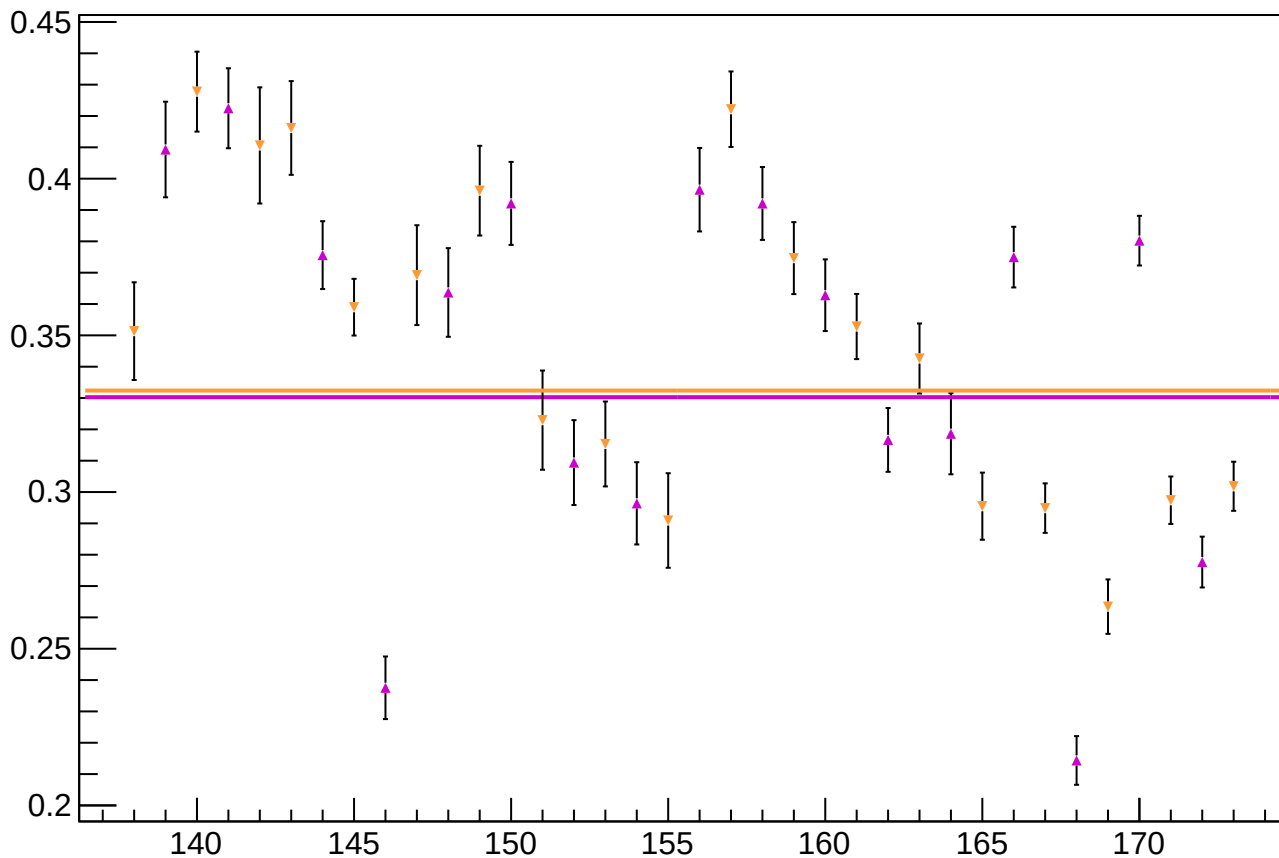
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 7.920 $\pm$ 0.055 χ^2 /NDF:5621.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 8.216 $\pm$ 0.057 χ^2 /NDF:4974.7/16

Left: 8.063 $\pm$ 0.039 χ^2 /NDF: 10610.5/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 8.216 $\pm$ 0.057 χ^2 /NDF:4974.7/16
 Out: 7.920 $\pm$ 0.055 χ^2 /NDF:5621.6/18
 All: 8.063 $\pm$ 0.039 χ^2 /NDF: 10610.5/35

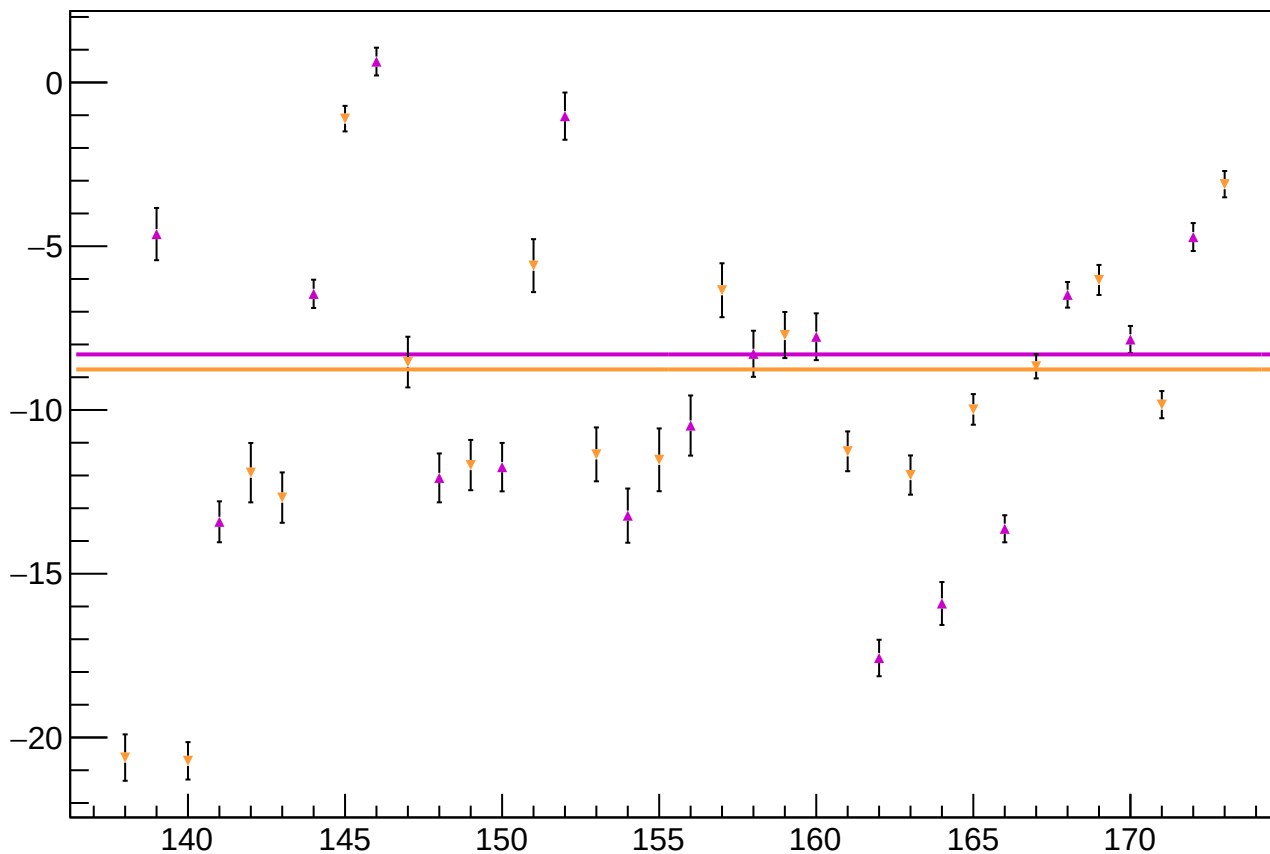
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.332 $\pm$ 0.003 χ^2 /NDF:357.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.330 $\pm$ 0.003 χ^2 /NDF:608.7/16

Left: 0.331 $\pm$ 0.002 χ^2 /NDF: 966.7/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.330 $\pm$ 0.003 χ^2 /NDF:608.7/16
 Out: 0.332 $\pm$ 0.003 χ^2 /NDF:357.7/18
 All: 0.331 $\pm$ 0.002 χ^2 /NDF: 966.7/35

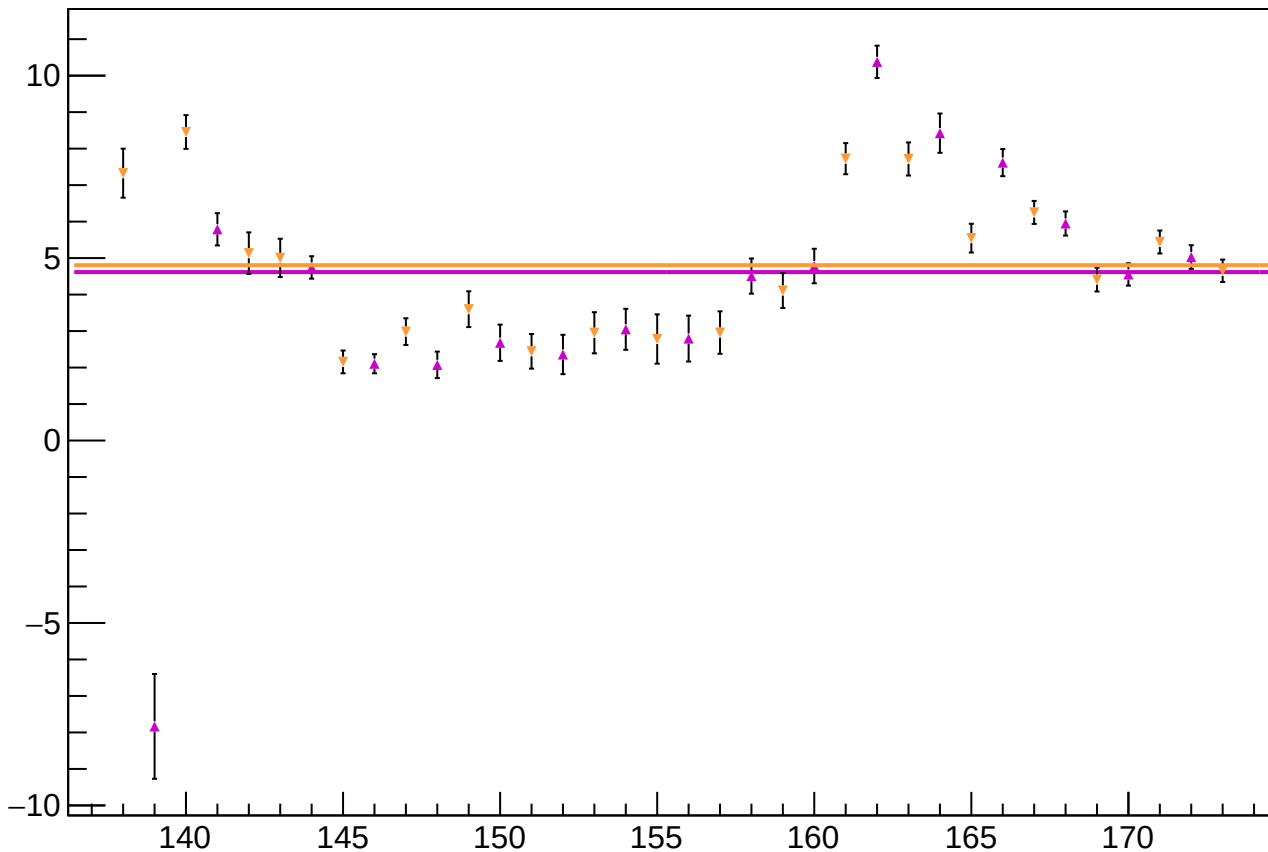
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -8.762 ± 0.129 χ^2/NDF : 1493.0/18
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -8.303 ± 0.133 χ^2/NDF : 1412.3/16

Left: -8.539 ± 0.093 χ^2/NDF : 2911.4/35
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 In: -8.303 ± 0.133 χ^2/NDF : 1412.3/16
 Out: -8.762 ± 0.129 χ^2/NDF : 1493.0/18
 All: -8.539 ± 0.093 χ^2/NDF : 2911.4/35

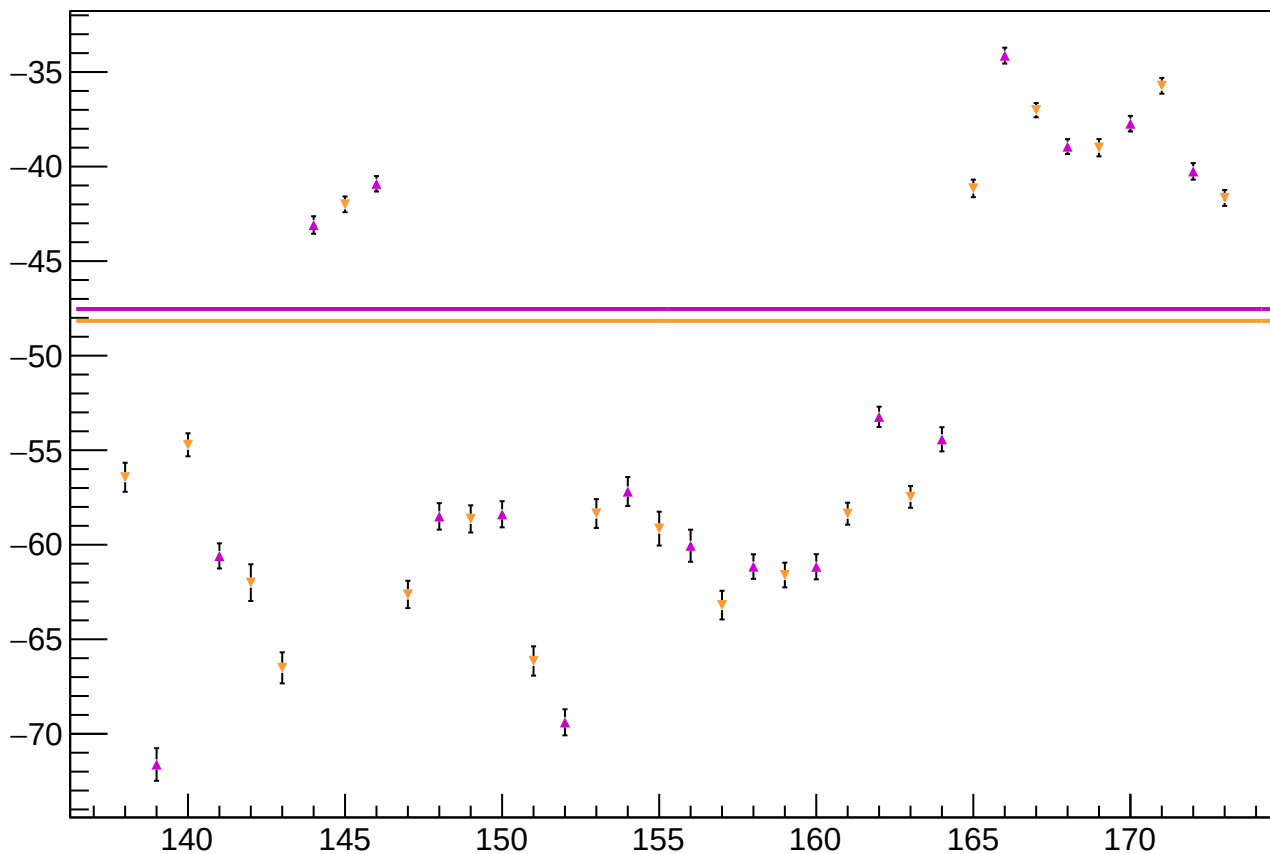
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.806 $\pm$ 0.096 χ^2 /NDF:354.9/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 4.617 $\pm$ 0.097 χ^2 /NDF:574.5/16

Left: 4.713 $\pm$ 0.068 χ^2 /NDF: 931.4/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 4.617 $\pm$ 0.097 χ^2 /NDF:574.5/16
 Out: 4.806 $\pm$ 0.096 χ^2 /NDF:354.9/18
 All: 4.713 $\pm$ 0.068 χ^2 /NDF: 931.4/35

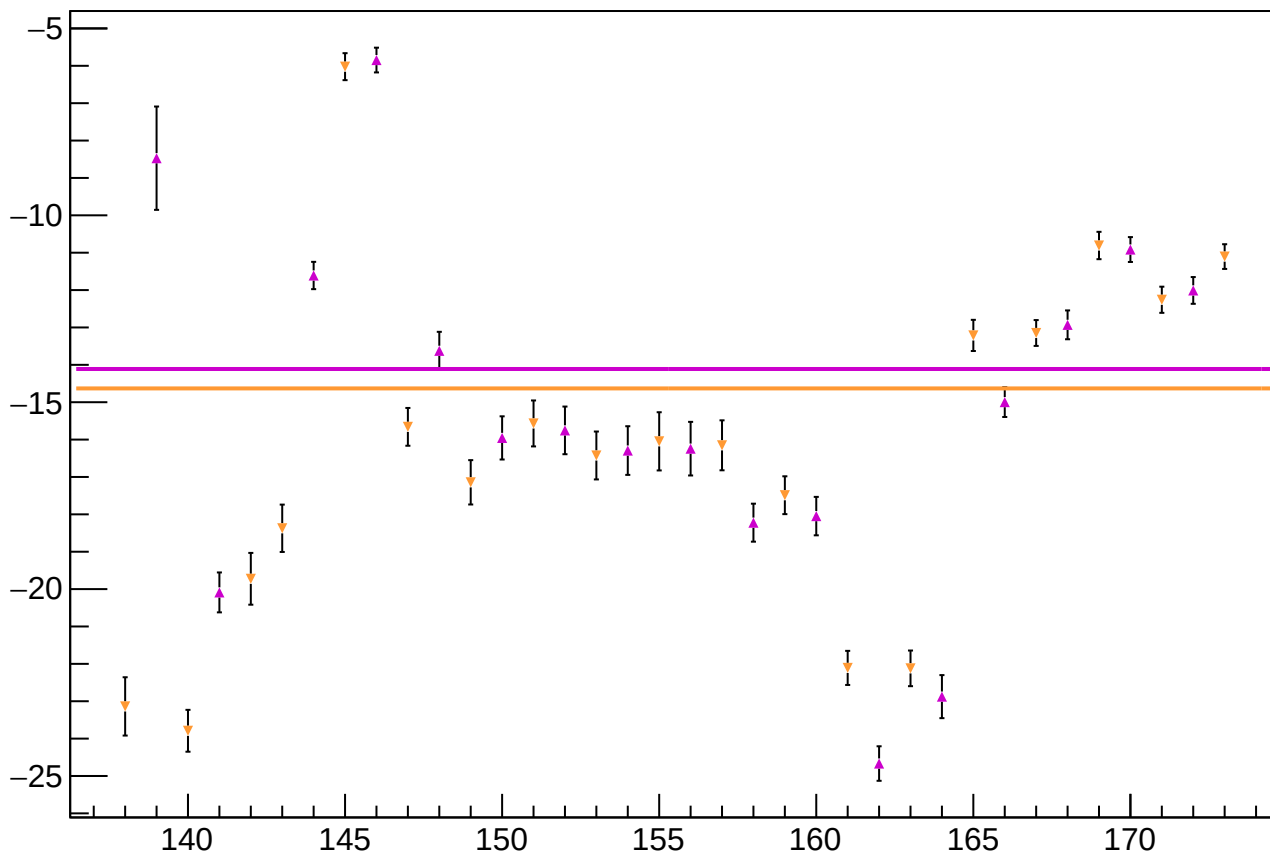
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -48.160+/-0.130 χ^2/NDF : 6649.8/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -47.533+/-0.132 χ^2/NDF : 6807.1/16

Left: -47.851+/-0.093 χ^2/NDF : 13468.4/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -47.533+/-0.132 χ^2/NDF : 6807.1/16
 Out: -48.160+/-0.130 χ^2/NDF : 6649.8/18
 All: -47.851+/-0.093 χ^2/NDF : 13468.4/35

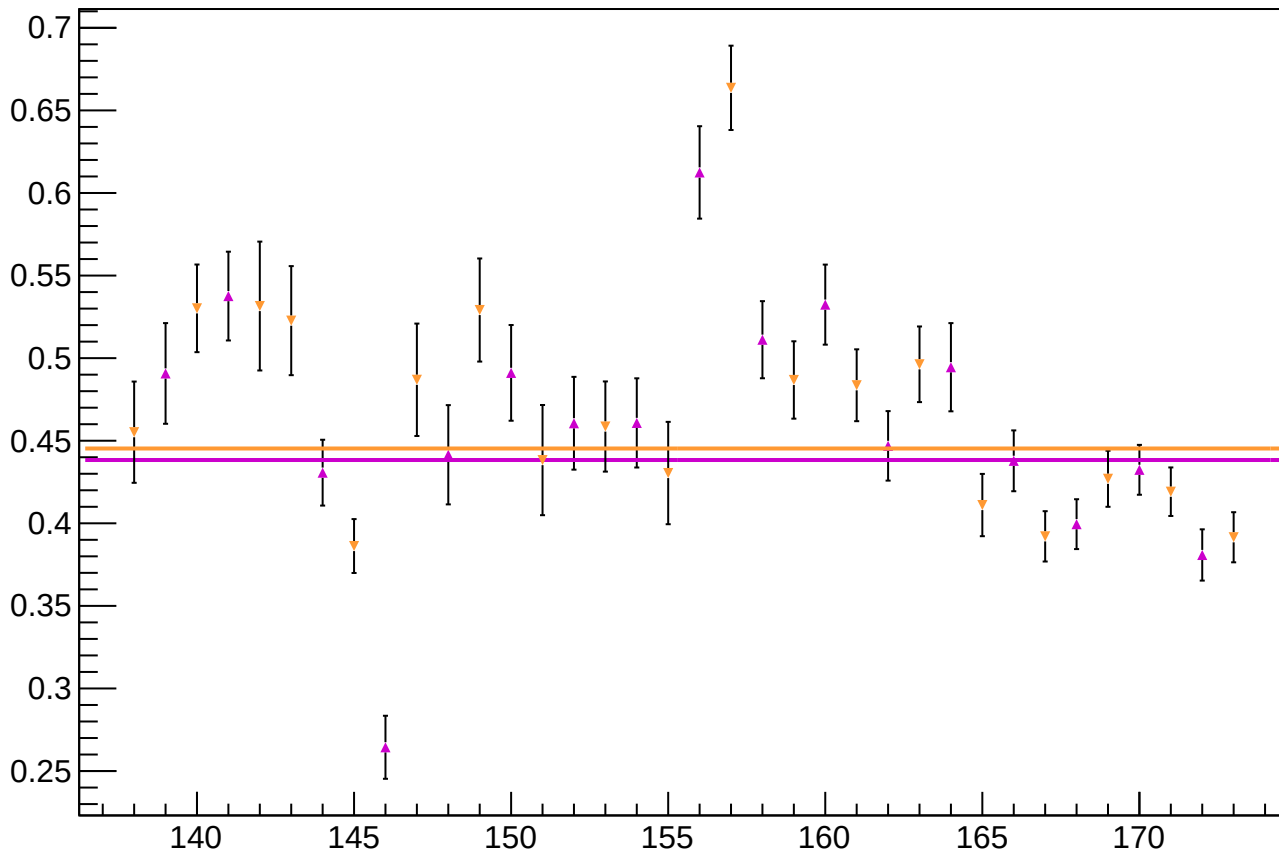
reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -14.631+/-0.109 χ^2/NDF :1931.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -14.111+/-0.112 χ^2/NDF :1868.9/16

Left: -14.380+/-0.078 χ^2/NDF : 3811.5/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -14.111+/-0.112 χ^2/NDF :1868.9/16
 Out: -14.631+/-0.109 χ^2/NDF :1931.5/18
 All: -14.380+/-0.078 χ^2/NDF : 3811.5/35

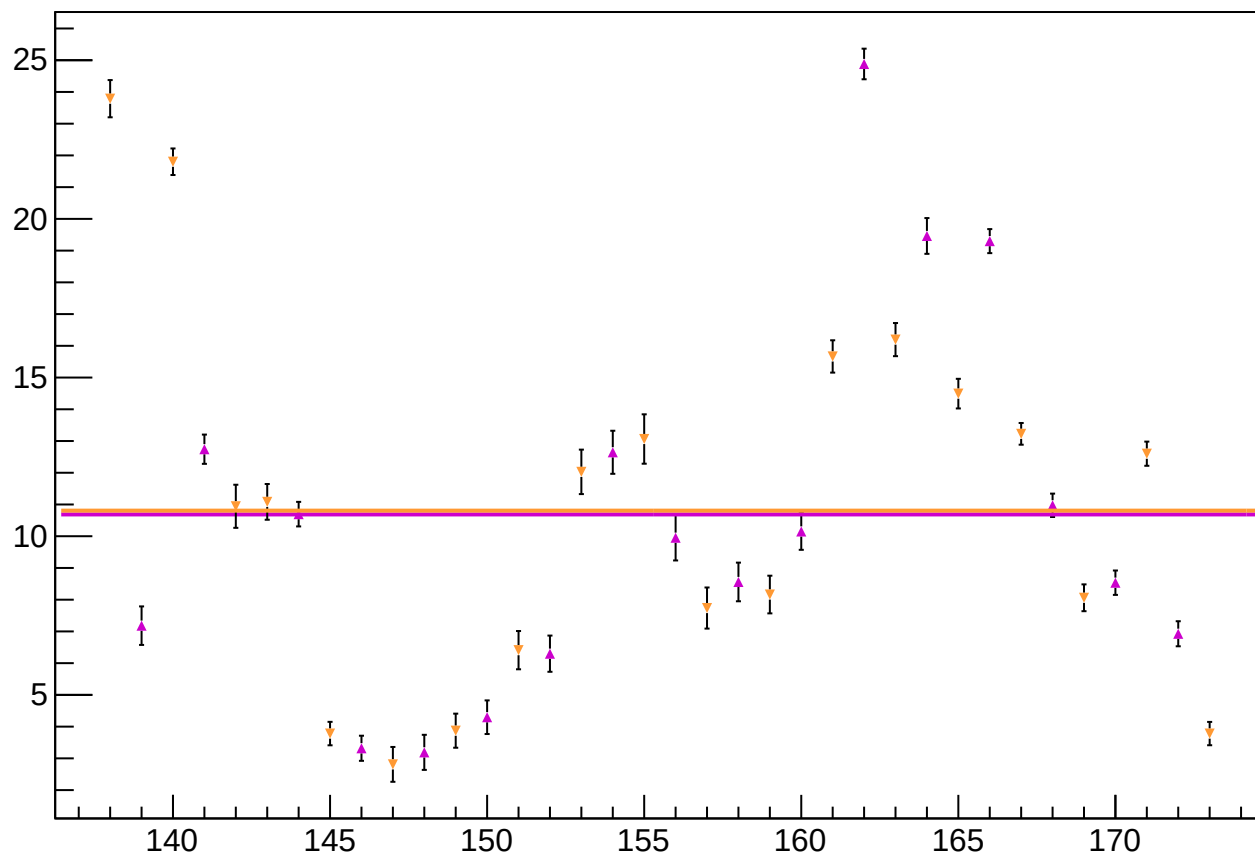
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.445 $\pm$ 0.005 χ^2 /NDF:159.8/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.438 $\pm$ 0.005 χ^2 /NDF:193.1/16

Left: 0.442 $\pm$ 0.004 χ^2 /NDF: 353.7/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.438 $\pm$ 0.005 χ^2 /NDF:193.1/16
 Out: 0.445 $\pm$ 0.005 χ^2 /NDF:159.8/18
 All: 0.442 $\pm$ 0.004 χ^2 /NDF: 353.7/35

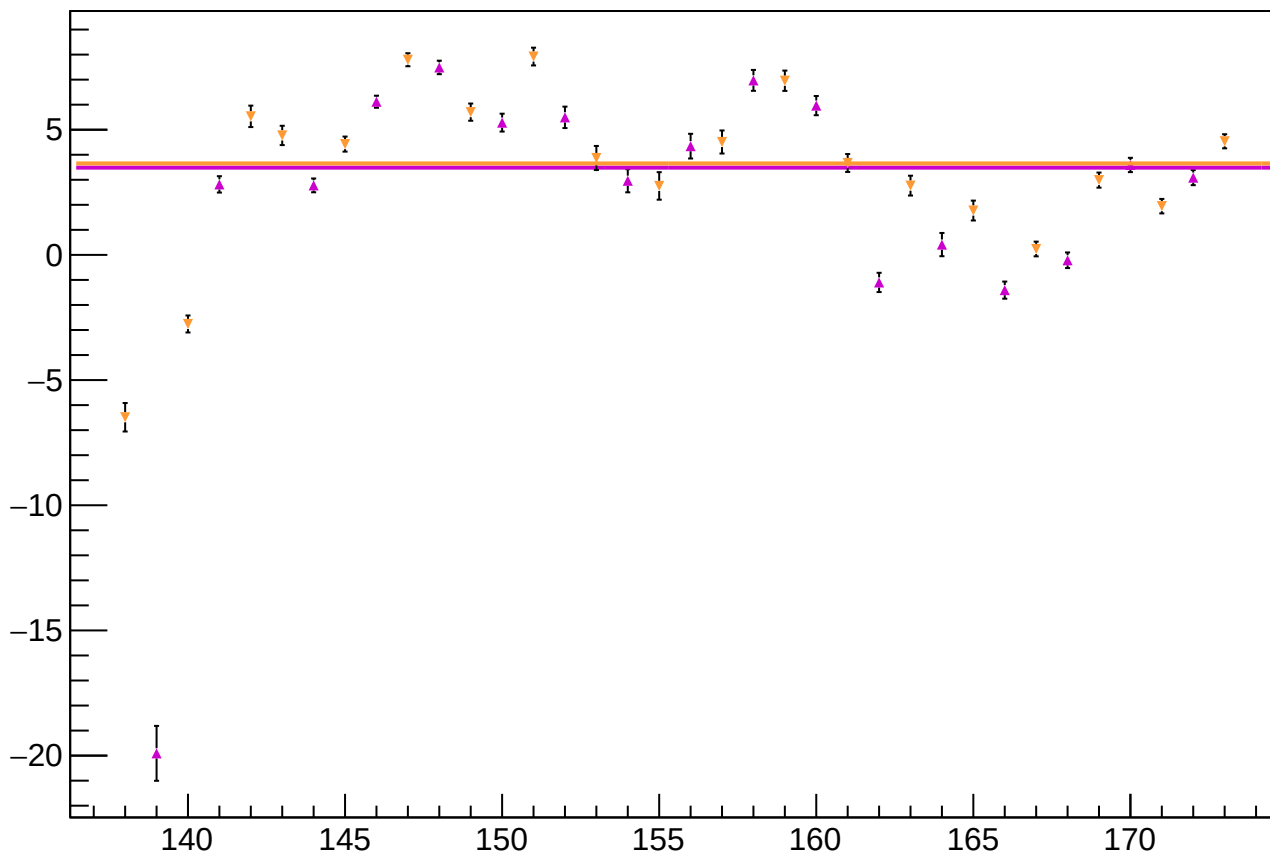
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 10.806 $\pm$ 0.112 χ^2/NDF :2767.9/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 10.686 $\pm$ 0.115 χ^2/NDF :2559.7/16

Left: 10.748 $\pm$ 0.080 χ^2/NDF : 5328.2/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 10.686 $\pm$ 0.115 χ^2/NDF :2559.7/16
 Out: 10.806 $\pm$ 0.112 χ^2/NDF :2767.9/18
 All: 10.748 $\pm$ 0.080 χ^2/NDF : 5328.2/35

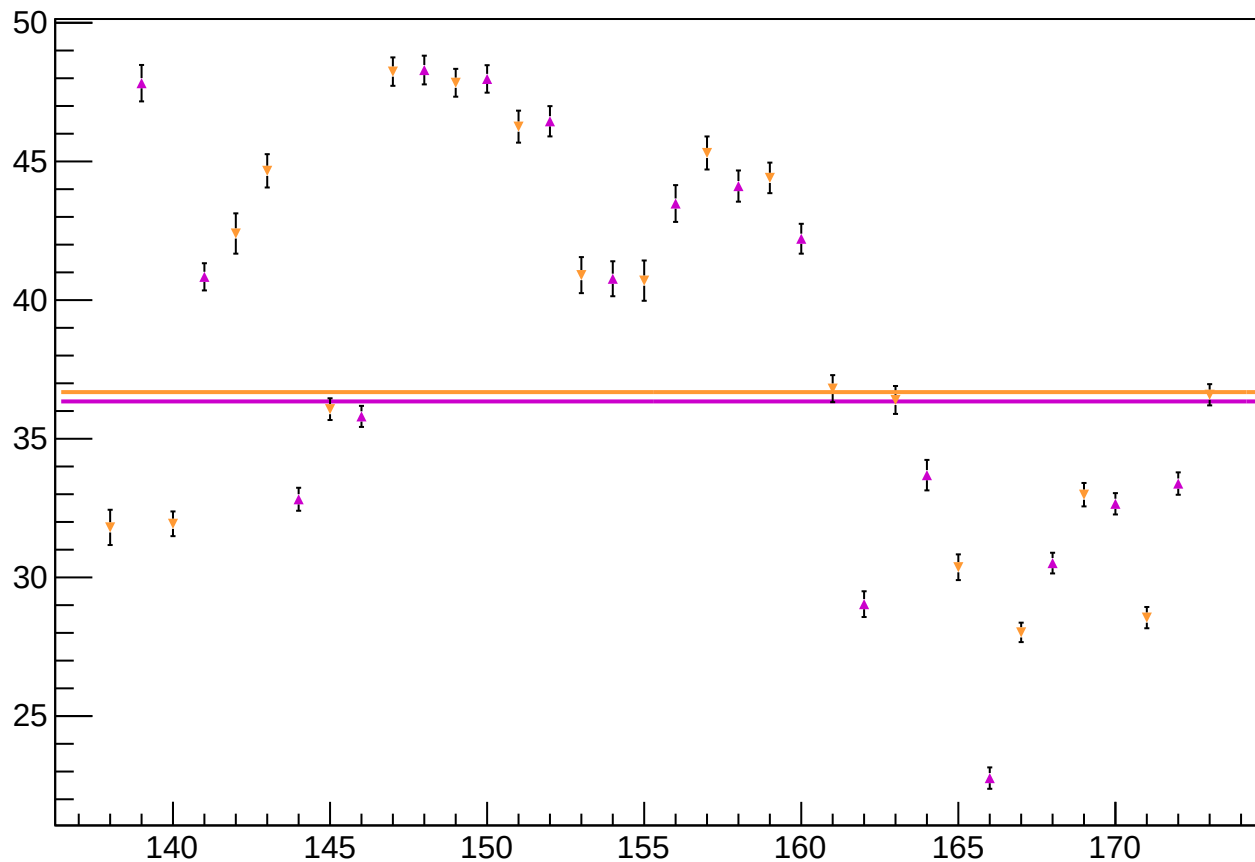
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.654 $\pm$ 0.081 χ^2 /NDF:1425.4/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.485 $\pm$ 0.084 χ^2 /NDF:1501.8/16

Left: 3.572 $\pm$ 0.058 χ^2 /NDF: 2929.2/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 3.485 $\pm$ 0.084 χ^2 /NDF:1501.8/16
 Out: 3.654 $\pm$ 0.081 χ^2 /NDF:1425.4/18
 All: 3.572 $\pm$ 0.058 χ^2 /NDF: 2929.2/35

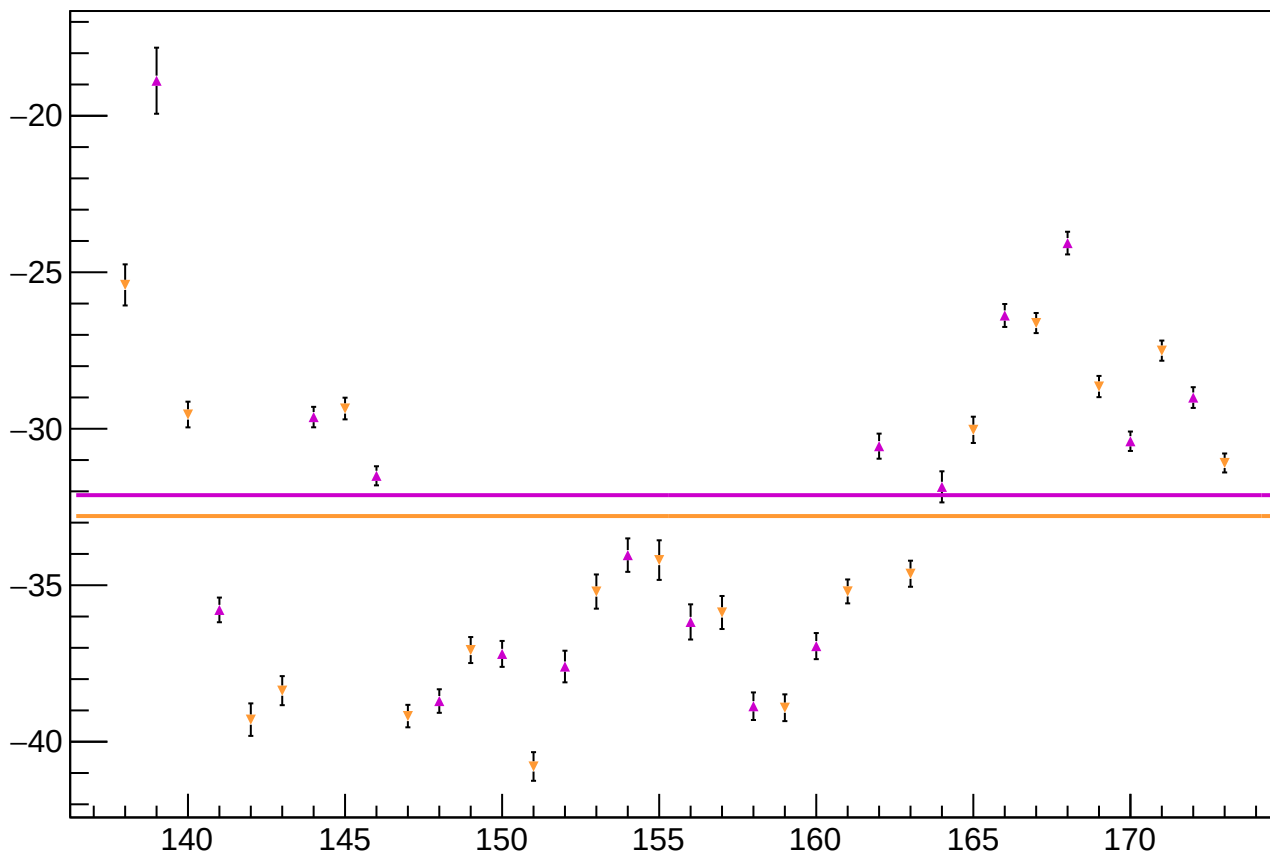
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 36.683+/-0.112 χ^2/NDF :3493.4/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 36.346+/-0.114 χ^2/NDF :4264.3/16

Left: 36.518+/-0.080 χ^2/NDF : 7762.2/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 36.346+/-0.114 χ^2/NDF :4264.3/16
 Out: 36.683+/-0.112 χ^2/NDF :3493.4/18
 All: 36.518+/-0.080 χ^2/NDF : 7762.2/35

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -32.790+/-0.093 χ^2/NDF :2501.6/18

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

Left In: -32.122+/-0.097 χ^2/NDF :2185.5/16

Left: -32.469+/-0.067 χ^2/NDF : 4711.8/35

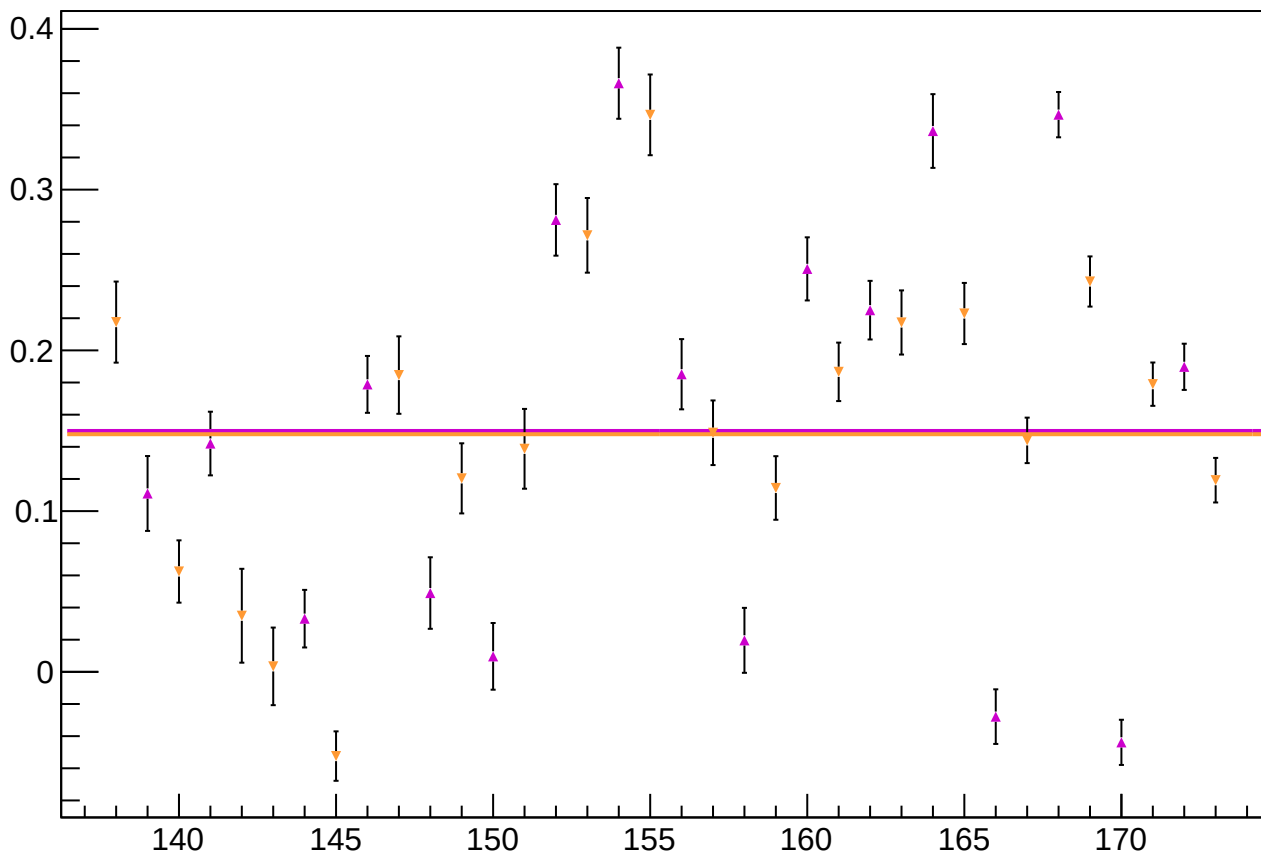
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.122+/-0.097 χ^2/NDF :2185.5/16

Out: -32.790+/-0.093 χ^2/NDF :2501.6/18

All: -32.469+/-0.067 χ^2/NDF : 4711.8/35

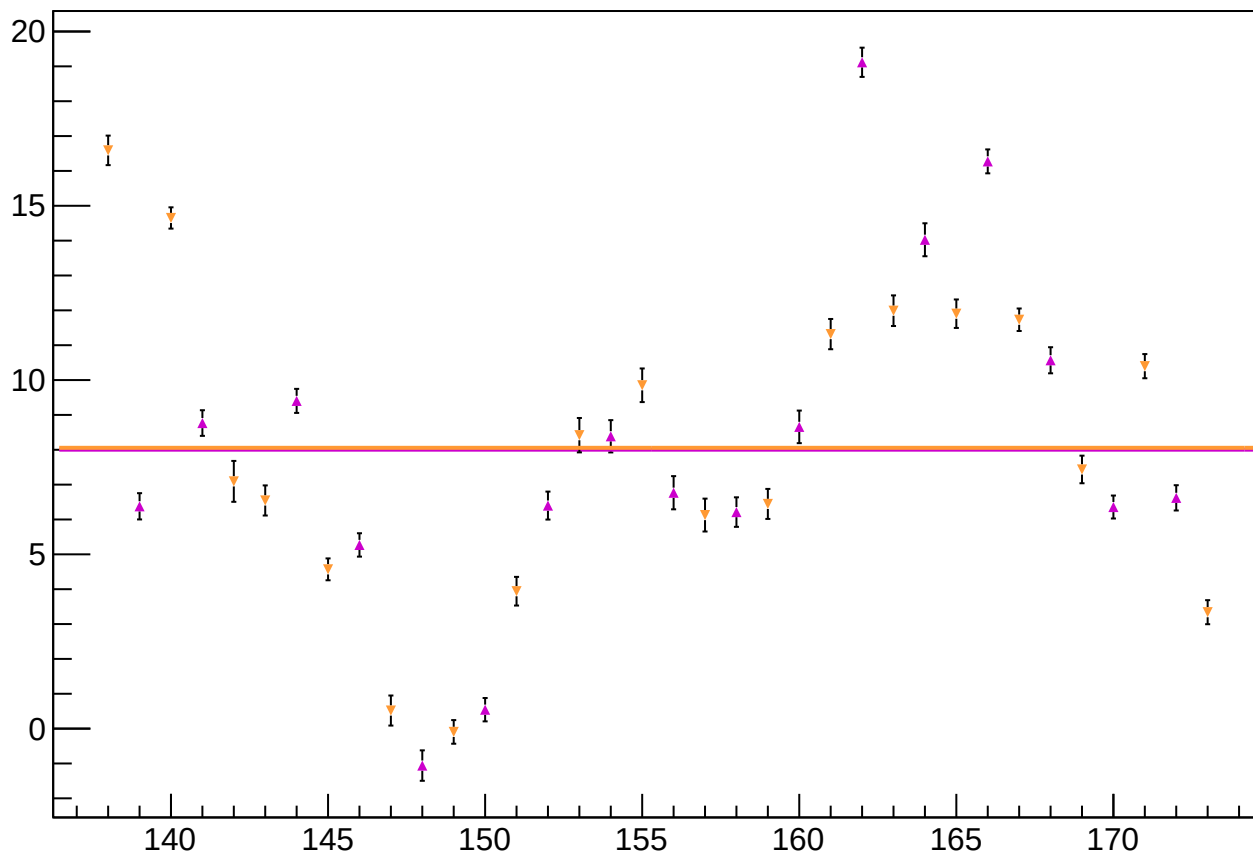
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.148 $\pm$ 0.004 χ^2 /NDF:424.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.150 $\pm$ 0.004 χ^2 /NDF:900.6/16

Left: 0.149 $\pm$ 0.003 χ^2 /NDF: 1324.9/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.150 $\pm$ 0.004 χ^2 /NDF:900.6/16
 Out: 0.148 $\pm$ 0.004 χ^2 /NDF:424.2/18
 All: 0.149 $\pm$ 0.003 χ^2 /NDF: 1324.9/35

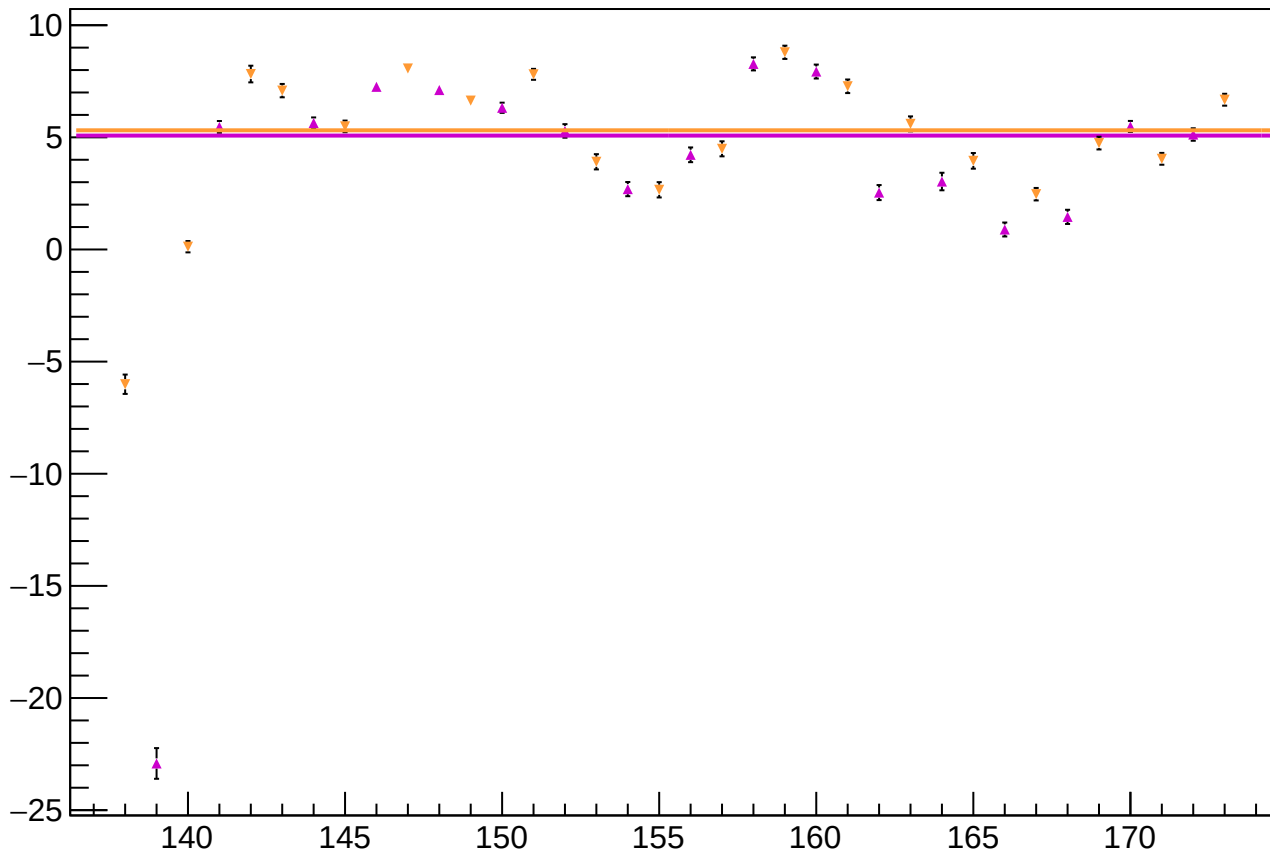
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.056+/-0.090 χ^2/NDF :2629.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.003+/-0.094 χ^2/NDF :2606.9/16

Left: 8.031+/-0.065 χ^2/NDF : 5236.2/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.003+/-0.094 χ^2/NDF :2606.9/16
 Out: 8.056+/-0.090 χ^2/NDF :2629.2/18
 All: 8.031+/-0.065 χ^2/NDF : 5236.2/35

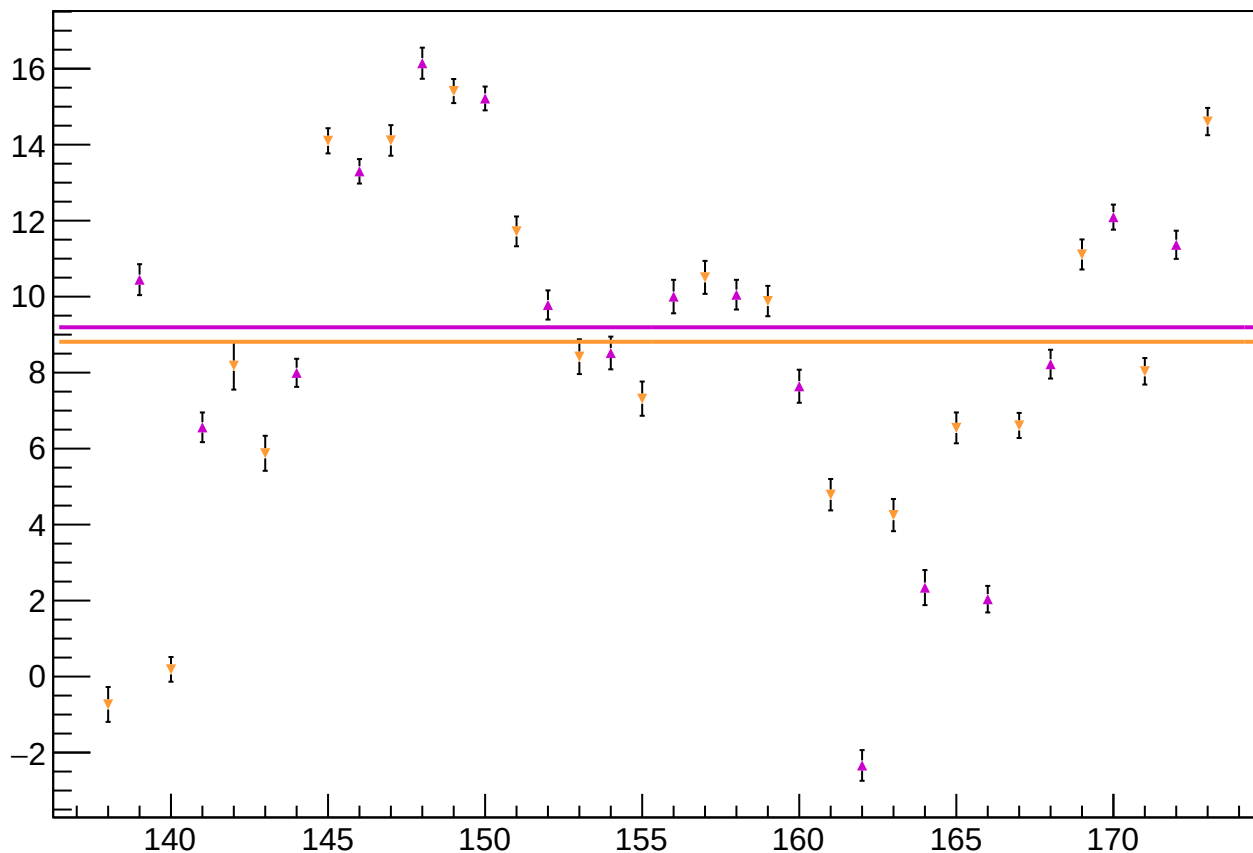
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.313 $\pm$ 0.065 χ^2 /NDF:1947.9/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.078 $\pm$ 0.068 χ^2 /NDF:2572.1/16

Left: 5.202 $\pm$ 0.047 χ^2 /NDF: 4526.2/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 5.078 $\pm$ 0.068 χ^2 /NDF:2572.1/16
 Out: 5.313 $\pm$ 0.065 χ^2 /NDF:1947.9/18
 All: 5.202 $\pm$ 0.047 χ^2 /NDF: 4526.2/35

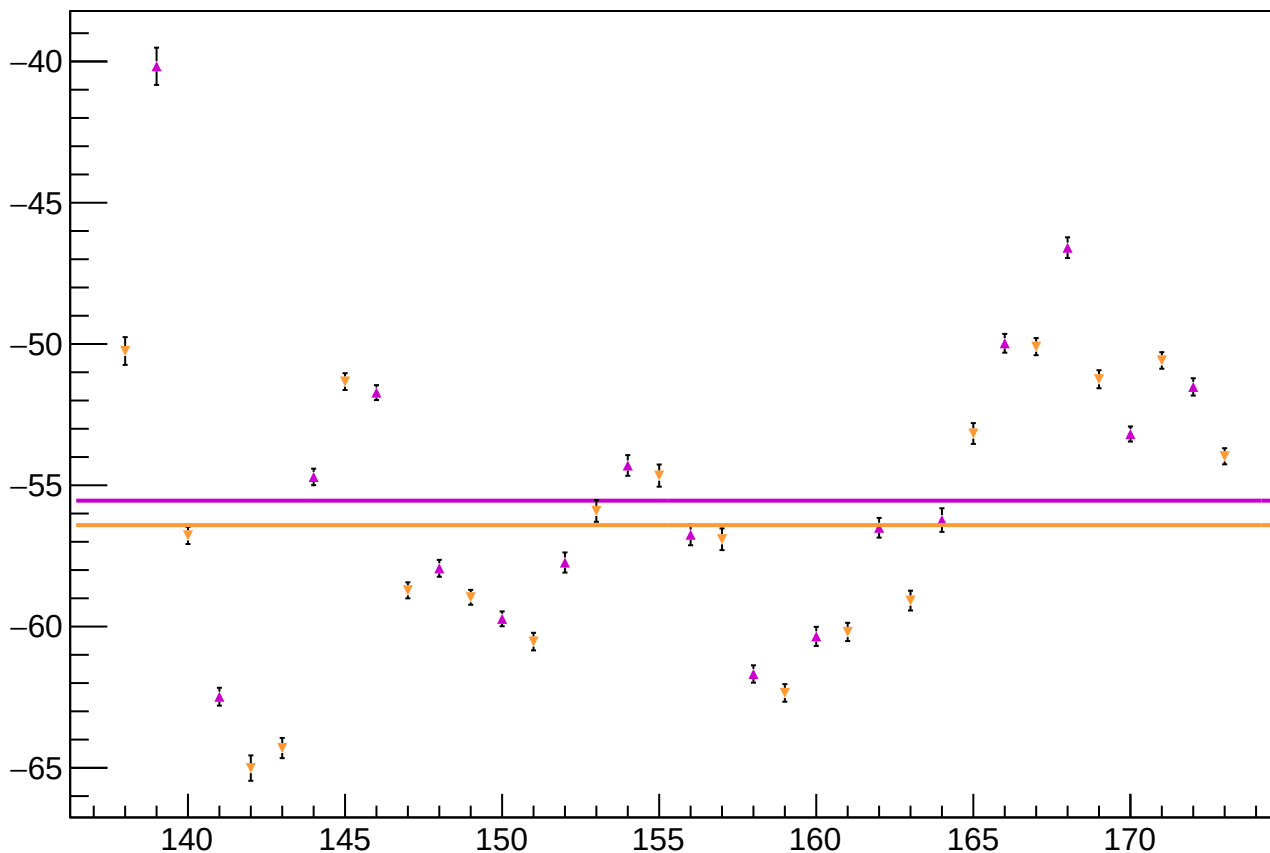
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.812+/-0.090 χ^2/NDF :2710.8/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.194+/-0.092 χ^2/NDF :2484.9/16

Left: 8.998+/-0.064 χ^2/NDF : 5204.4/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 9.194+/-0.092 χ^2/NDF :2484.9/16
 Out: 8.812+/-0.090 χ^2/NDF :2710.8/18
 All: 8.998+/-0.064 χ^2/NDF : 5204.4/35

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -56.409+/-0.075 χ^2/NDF :3463.2/18

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

Left In: -55.544+/-0.079 χ^2/NDF :3354.1/16

Left: -55.996+/-0.054 χ^2/NDF : 6880.1/35

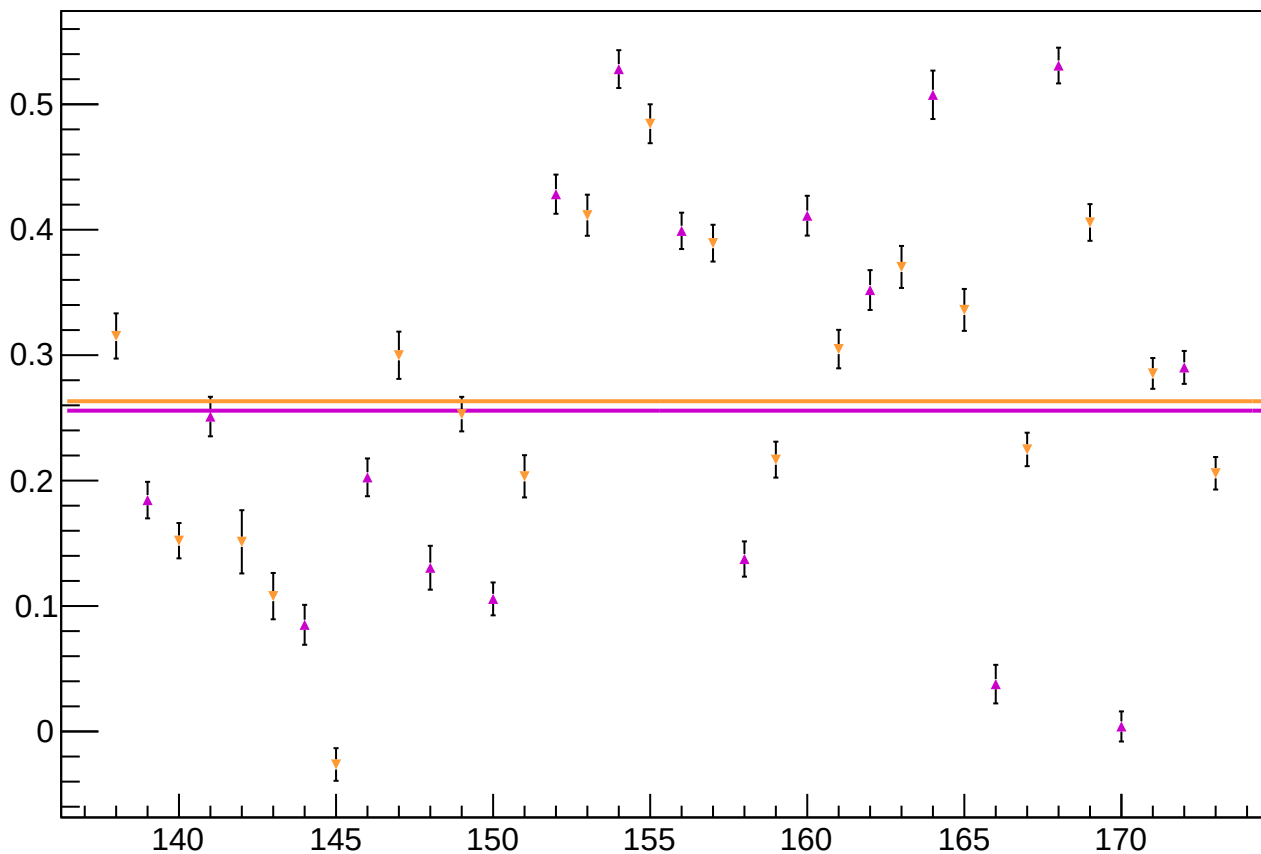
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -55.544+/-0.079 χ^2/NDF :3354.1/16

Out: -56.409+/-0.075 χ^2/NDF :3463.2/18

All: -55.996+/-0.054 χ^2/NDF : 6880.1/35

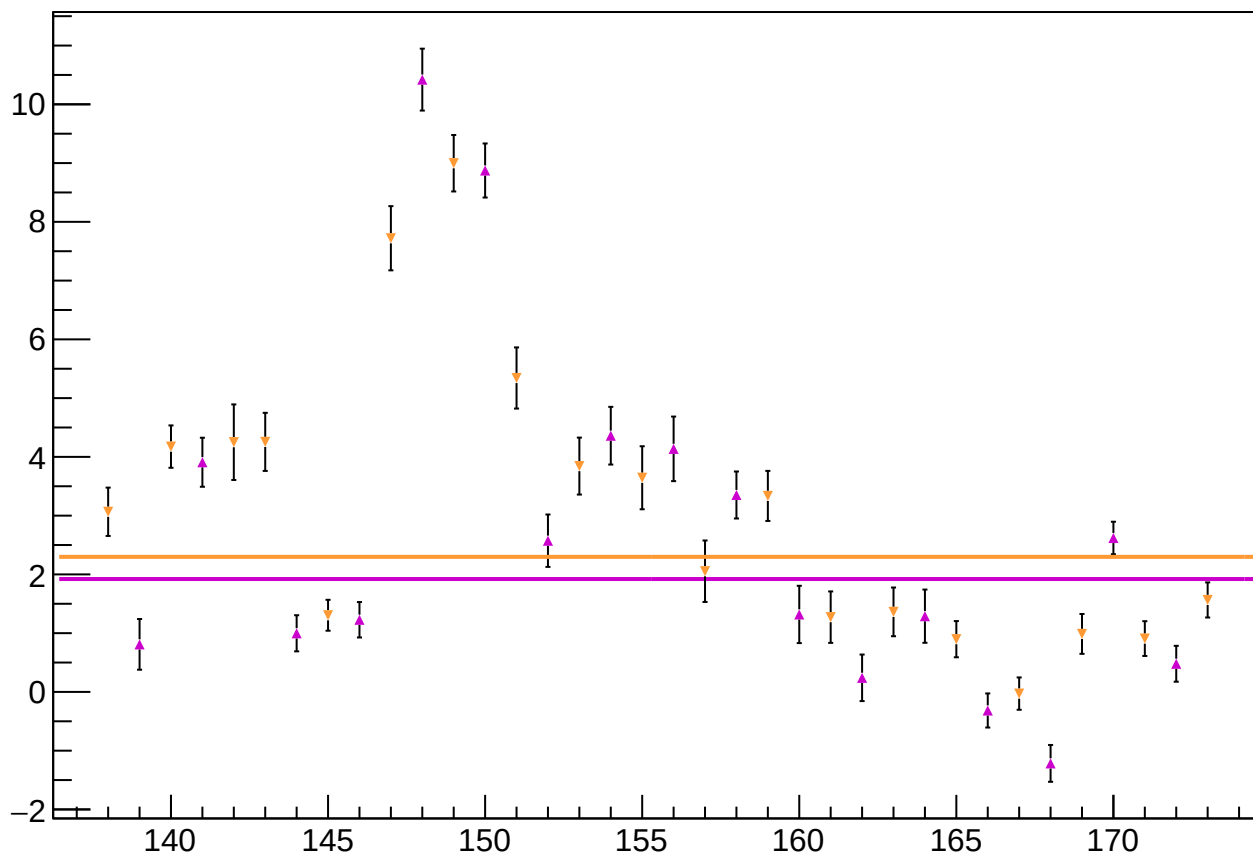
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 0.263 $\pm$ 0.003 χ^2/NDF :1236.7/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 0.256 $\pm$ 0.004 χ^2/NDF :2274.1/16

Left: 0.260 $\pm$ 0.003 χ^2/NDF : 3513.0/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 0.256 $\pm$ 0.004 χ^2/NDF :2274.1/16
 Out: 0.263 $\pm$ 0.003 χ^2/NDF :1236.7/18
 All: 0.260 $\pm$ 0.003 χ^2/NDF : 3513.0/35

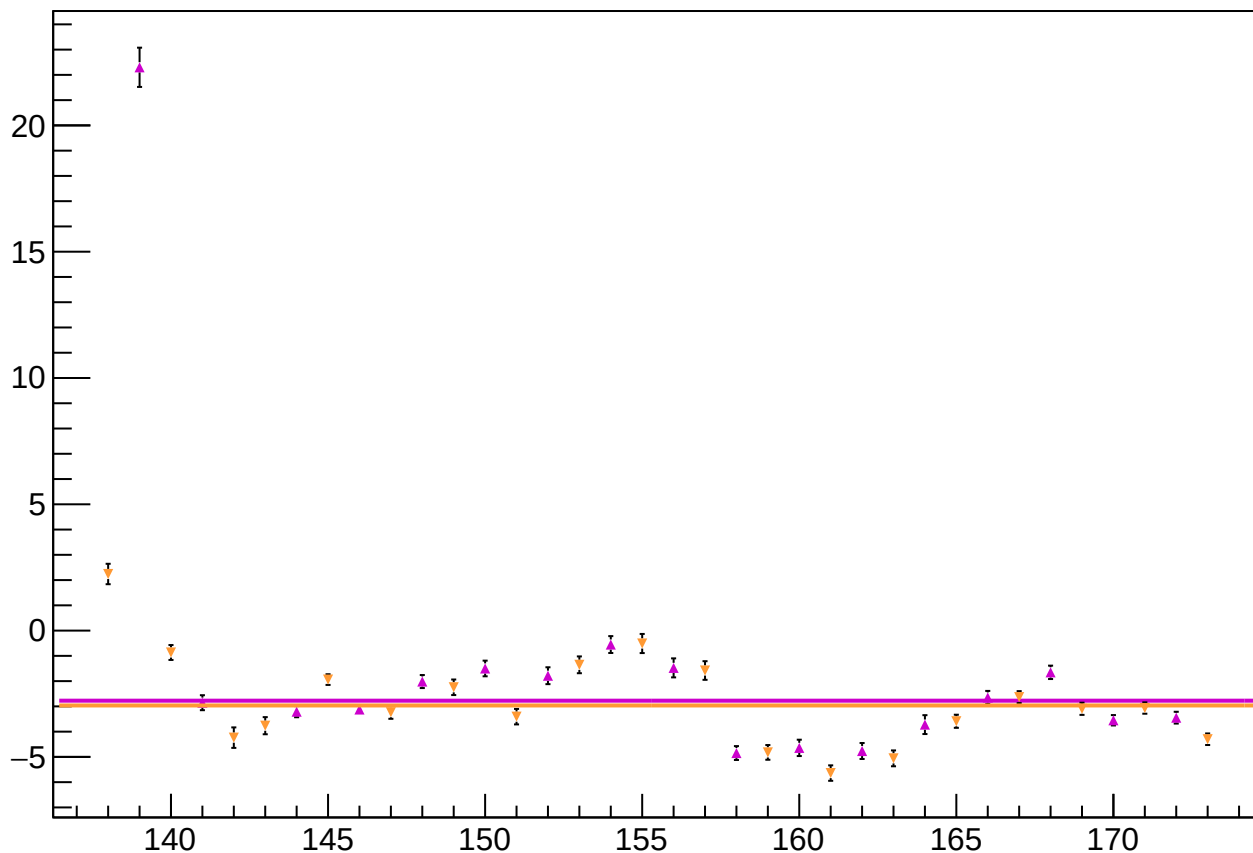
reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 2.299+/-0.088 χ^2/NDF :565.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 1.921+/-0.091 χ^2/NDF :798.4/16

Left: 2.116+/-0.063 χ^2/NDF : 1372.5/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 1.921+/-0.091 χ^2/NDF :798.4/16
 Out: 2.299+/-0.088 χ^2/NDF :565.2/18
 All: 2.116+/-0.063 χ^2/NDF : 1372.5/35

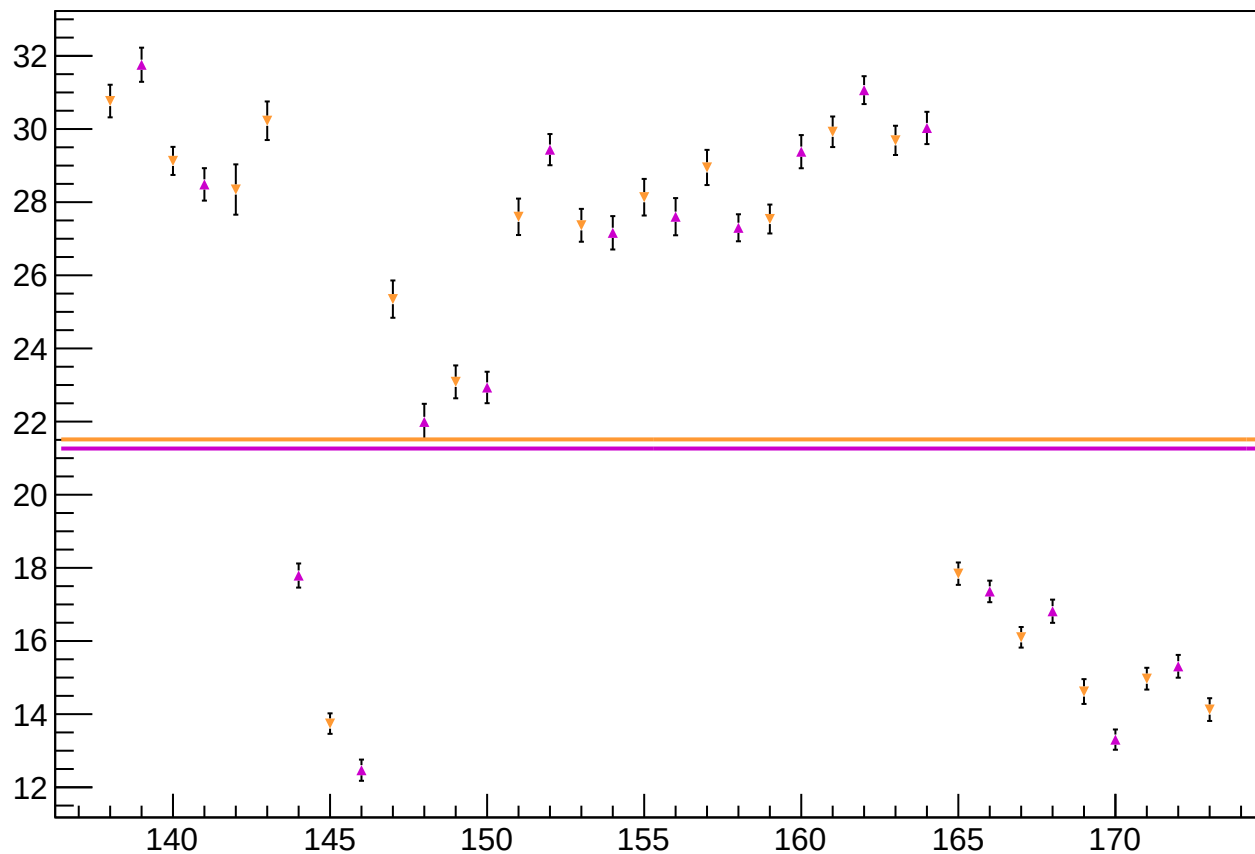
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -2.964 $\pm$ 0.065 χ^2 /NDF:547.4/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -2.774 $\pm$ 0.067 χ^2 /NDF:1315.8/16

Left: -2.872 $\pm$ 0.047 χ^2 /NDF: 1867.3/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -2.774 $\pm$ 0.067 χ^2 /NDF:1315.8/16
 Out: -2.964 $\pm$ 0.065 χ^2 /NDF:547.4/18
 All: -2.872 $\pm$ 0.047 χ^2 /NDF: 1867.3/35

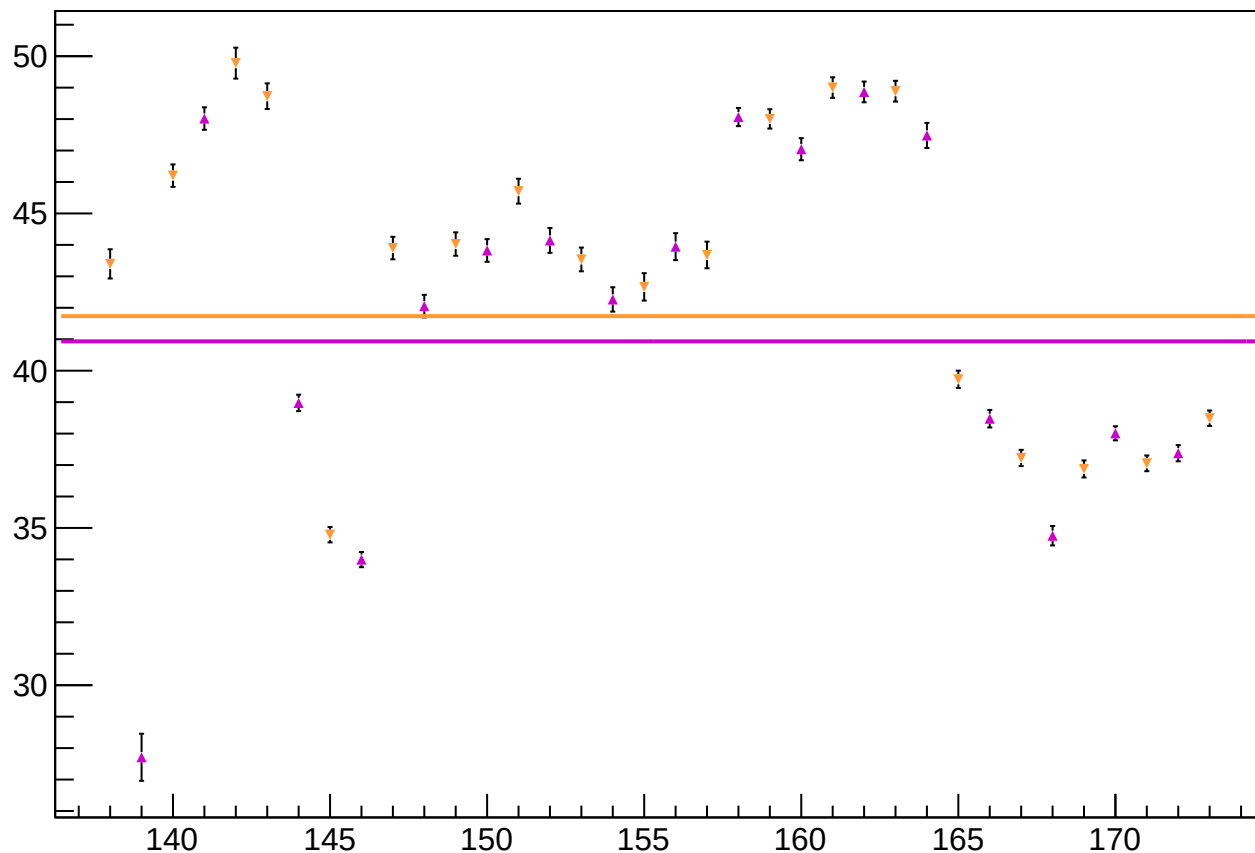
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 21.513 $\pm$ 0.088 χ^2 /NDF:5795.0/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 21.263 $\pm$ 0.090 χ^2 /NDF:5714.8/16

Left: 21.390 $\pm$ 0.063 χ^2 /NDF: 11513.7/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 21.263 $\pm$ 0.090 χ^2 /NDF:5714.8/16
 Out: 21.513 $\pm$ 0.088 χ^2 /NDF:5795.0/18
 All: 21.390 $\pm$ 0.063 χ^2 /NDF: 11513.7/35

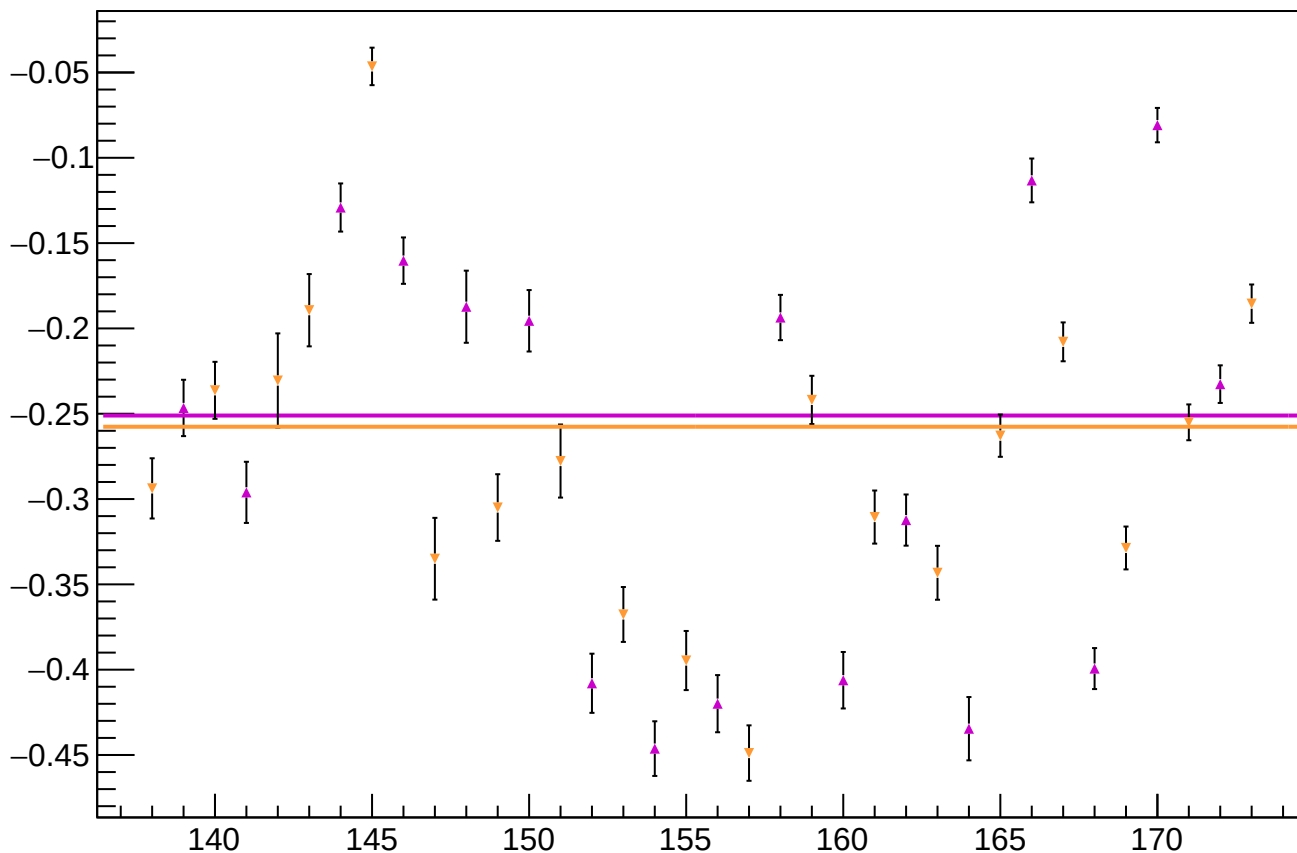
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 41.735 $\pm$ 0.074 χ^2 /NDF:4350.3/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 40.933 $\pm$ 0.077 χ^2 /NDF:4394.9/16

Left: 41.348 $\pm$ 0.053 χ^2 /NDF: 8801.7/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 40.933 $\pm$ 0.077 χ^2 /NDF:4394.9/16
 Out: 41.735 $\pm$ 0.074 χ^2 /NDF:4350.3/18
 All: 41.348 $\pm$ 0.053 χ^2 /NDF: 8801.7/35

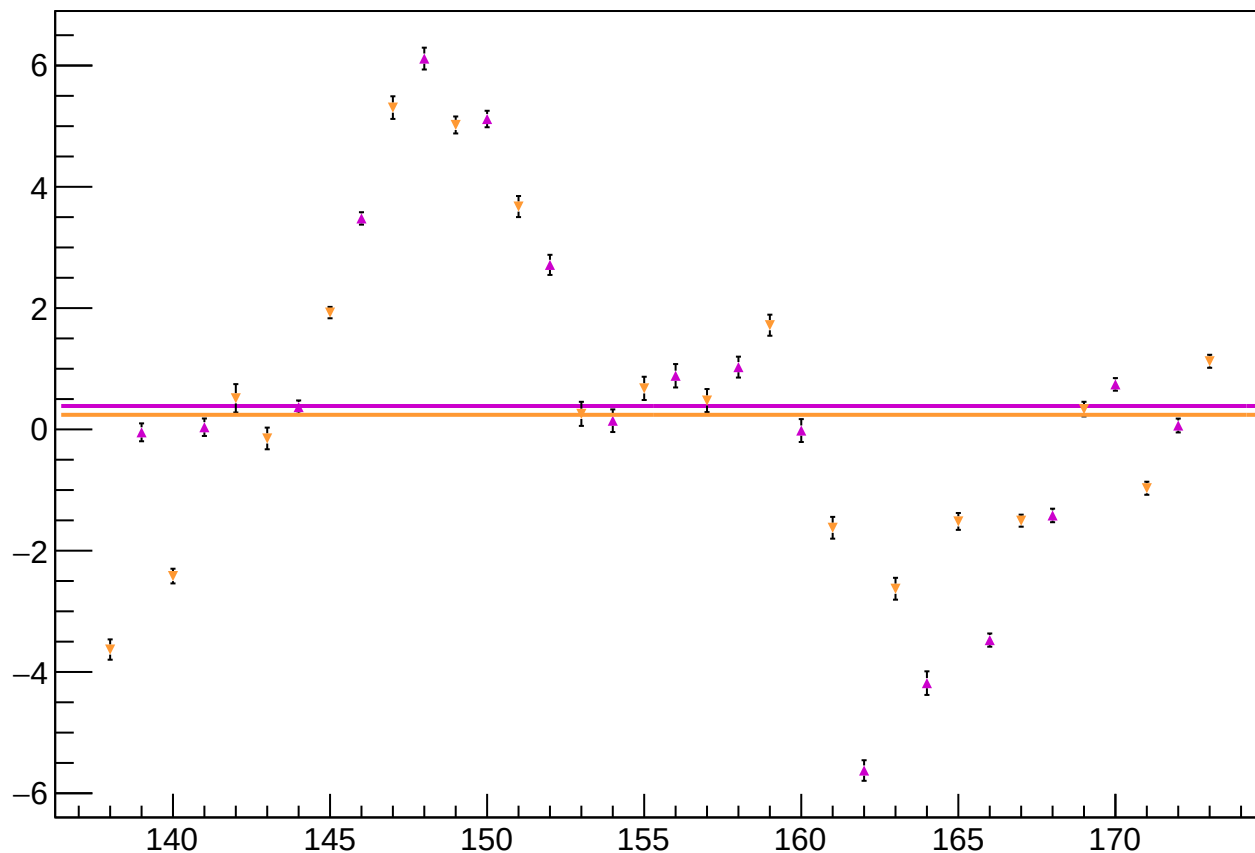
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.258 $\pm$ 0.003 χ^2 /NDF:786.6/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.251 $\pm$ 0.004 χ^2 /NDF:1253.0/16

Left: -0.254 $\pm$ 0.002 χ^2 /NDF: 2041.4/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.251 $\pm$ 0.004 χ^2 /NDF:1253.0/16
 Out: -0.258 $\pm$ 0.003 χ^2 /NDF:786.6/18
 All: -0.254 $\pm$ 0.002 χ^2 /NDF: 2041.4/35

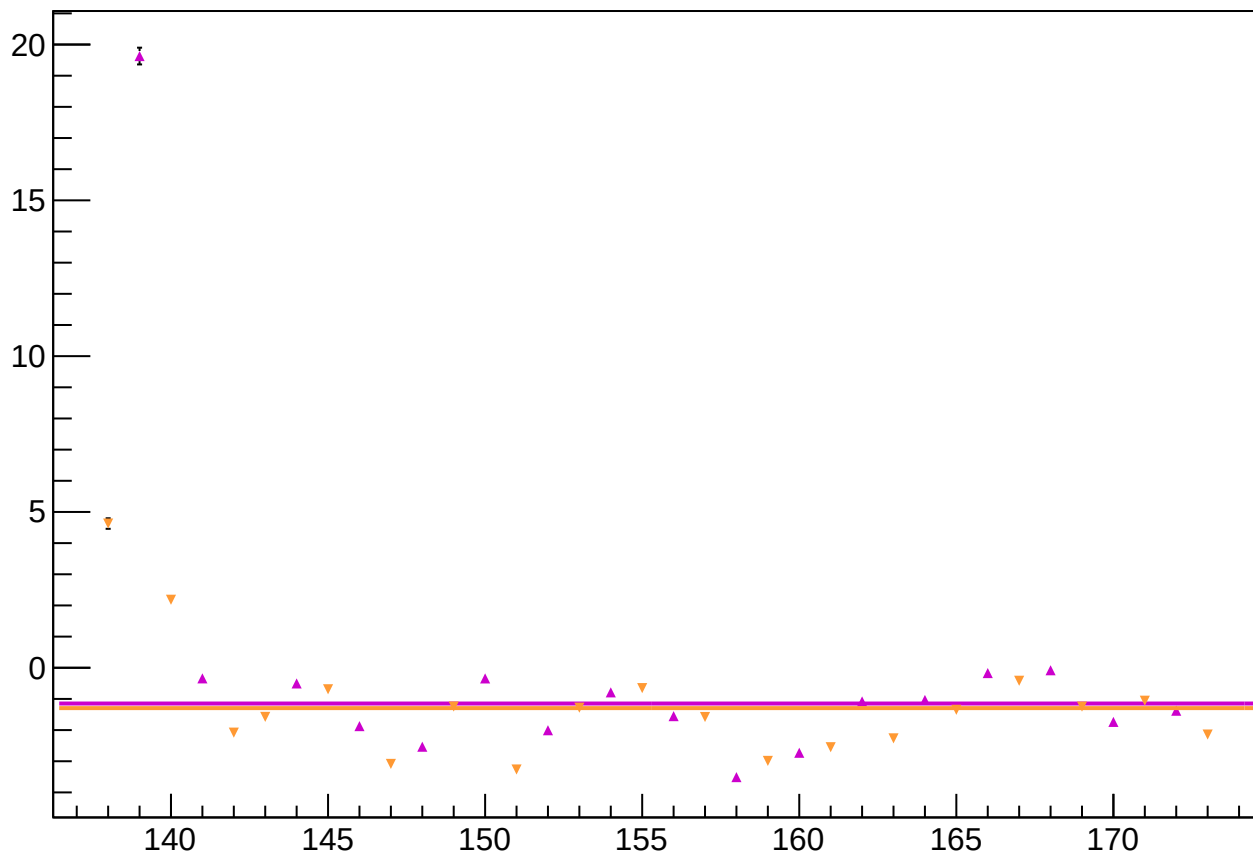
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 0.240+/-0.032 χ^2/NDF : 4740.5/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 0.386+/-0.033 χ^2/NDF : 6721.4/16

Left: 0.311+/-0.023 χ^2/NDF : 11471.7/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 0.386+/-0.033 χ^2/NDF : 6721.4/16
 Out: 0.240+/-0.032 χ^2/NDF : 4740.5/18
 All: 0.311+/-0.023 χ^2/NDF : 11471.7/35

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



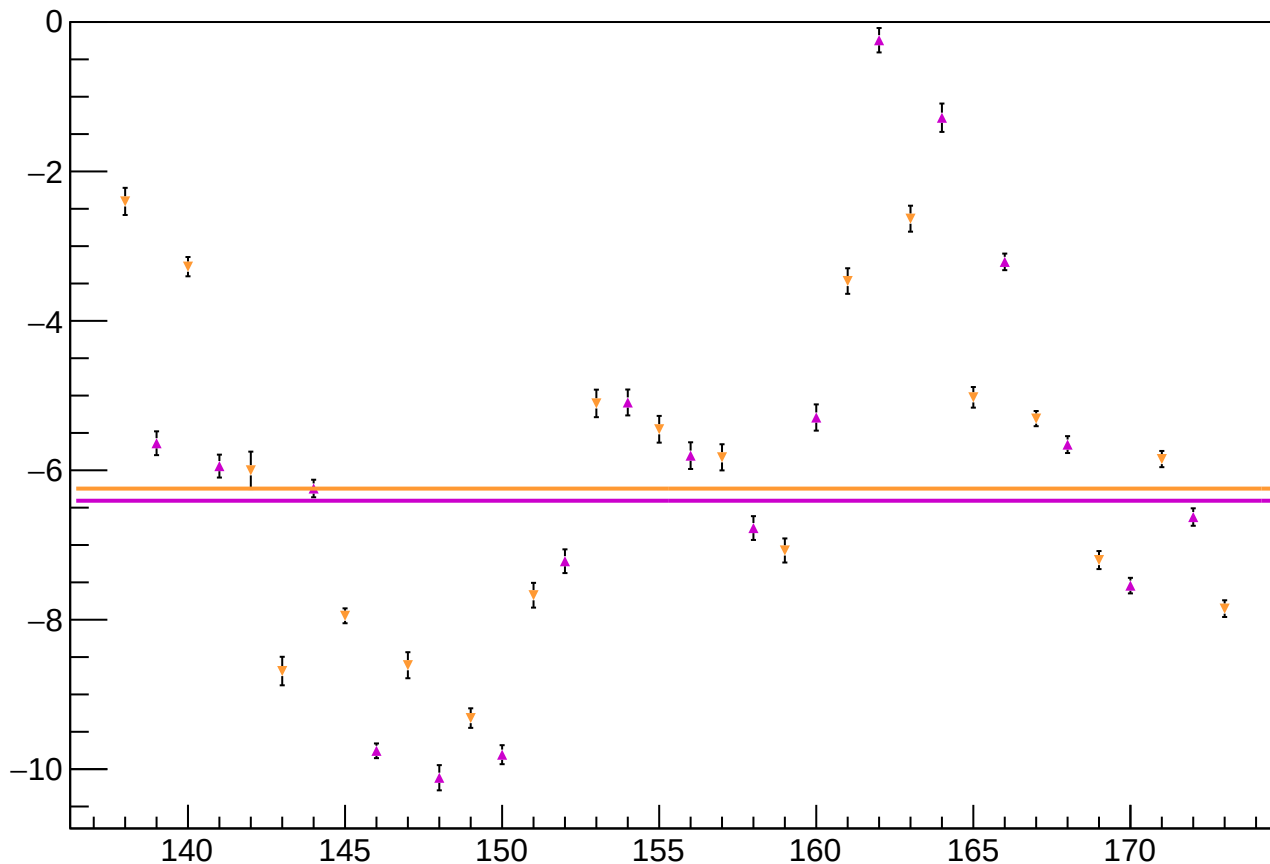
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.295+/-0.024 χ^2/NDF : 3895.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.148+/-0.025 χ^2/NDF : 7444.3/16

Left: -1.223+/-0.017 χ^2/NDF : 11358.0/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.148+/-0.025 χ^2/NDF : 7444.3/16
 Out: -1.295+/-0.024 χ^2/NDF : 3895.2/18

All: -1.223+/-0.017 χ^2/NDF : 11358.0/35

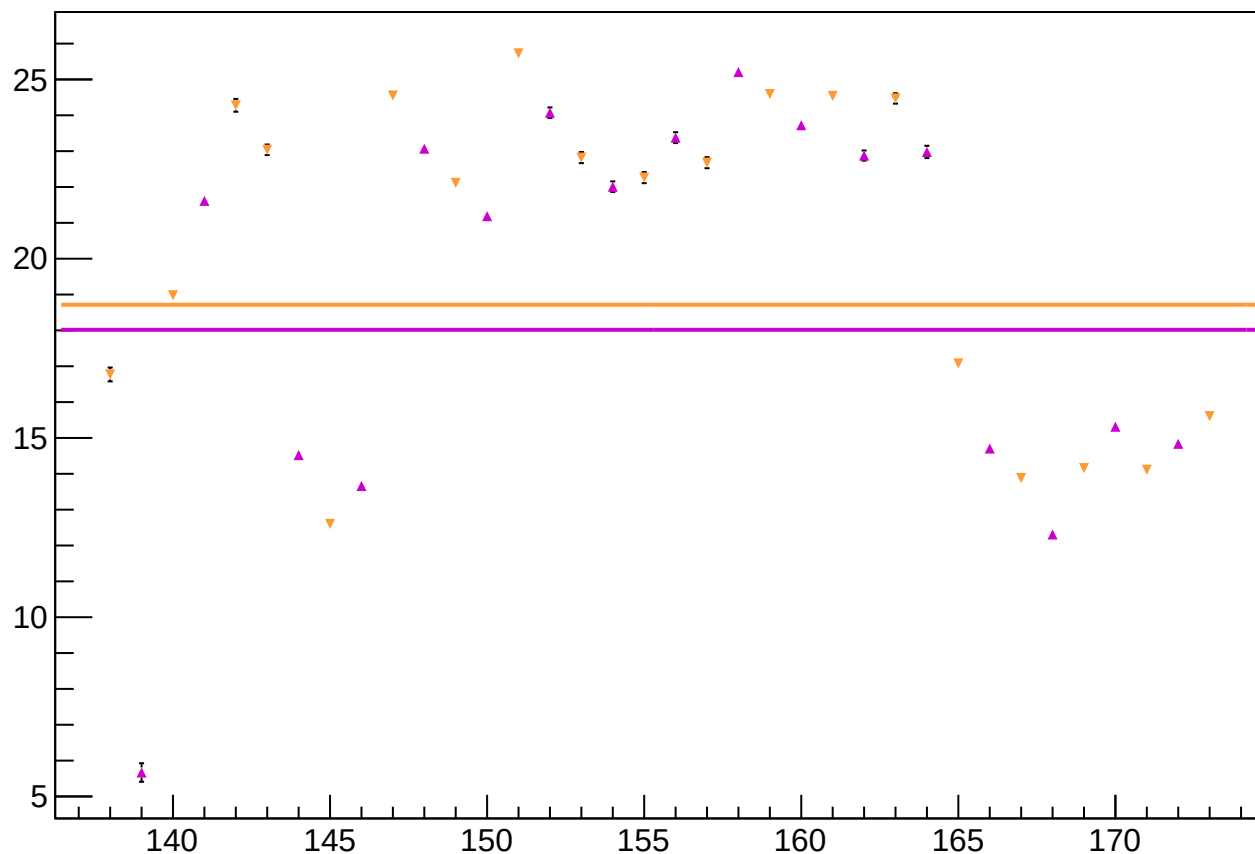
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -6.245 $\pm$ 0.033 χ^2 /NDF:3474.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -6.407 $\pm$ 0.033 χ^2 /NDF:5679.2/16

Left: -6.325 $\pm$ 0.023 χ^2 /NDF: 9165.7/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -6.407 $\pm$ 0.033 χ^2 /NDF:5679.2/16
 Out: -6.245 $\pm$ 0.033 χ^2 /NDF:3474.2/18
 All: -6.325 $\pm$ 0.023 χ^2 /NDF: 9165.7/35

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 18.716 $\pm$ 0.027 χ^2 /NDF:29215.0/18

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

Left In: 18.017 $\pm$ 0.028 χ^2 /NDF:26442.8/16

Left: 18.377 $\pm$ 0.020 χ^2 /NDF: 55973.9/35

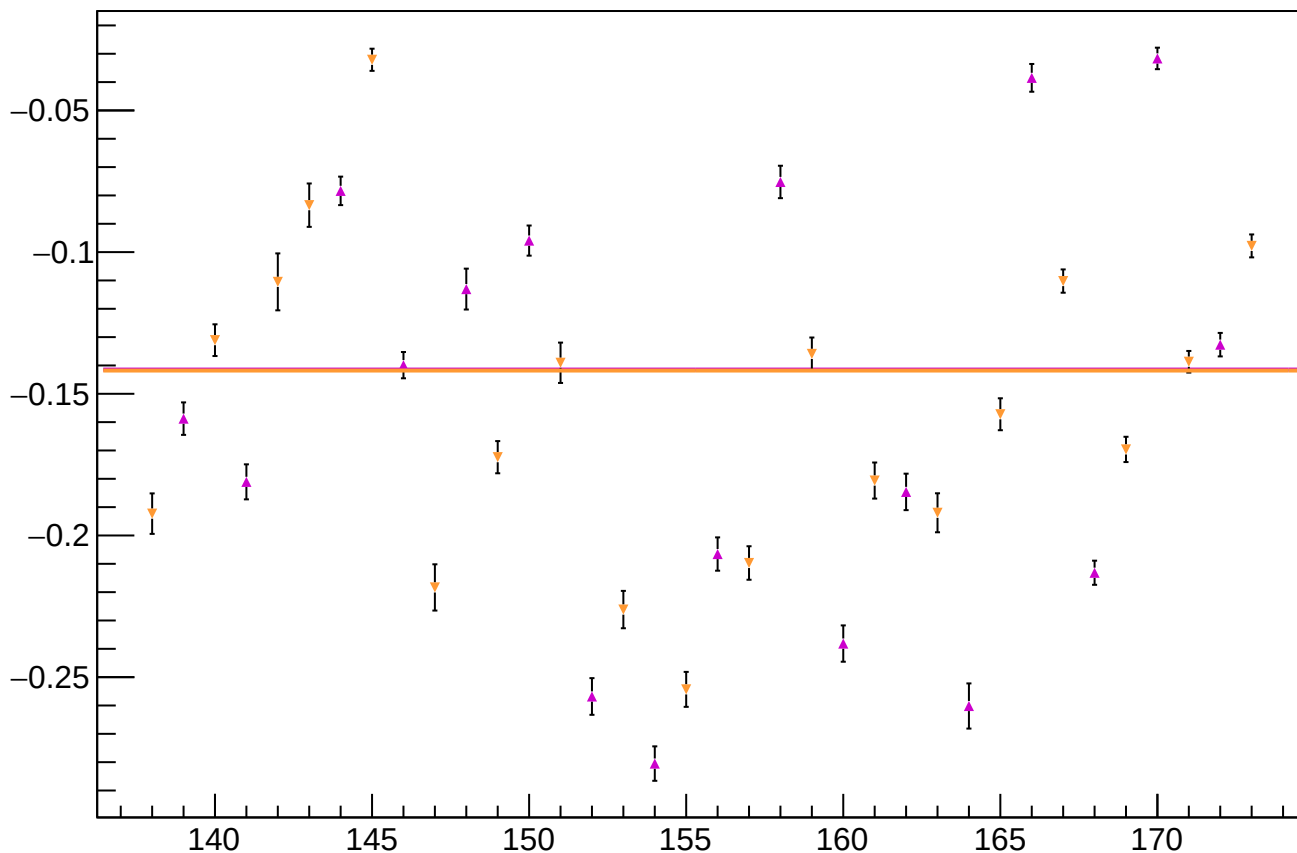
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 18.017 $\pm$ 0.028 χ^2 /NDF:26442.8/16

Out: 18.716 $\pm$ 0.027 χ^2 /NDF:29215.0/18

All: 18.377 $\pm$ 0.020 χ^2 /NDF: 55973.9/35

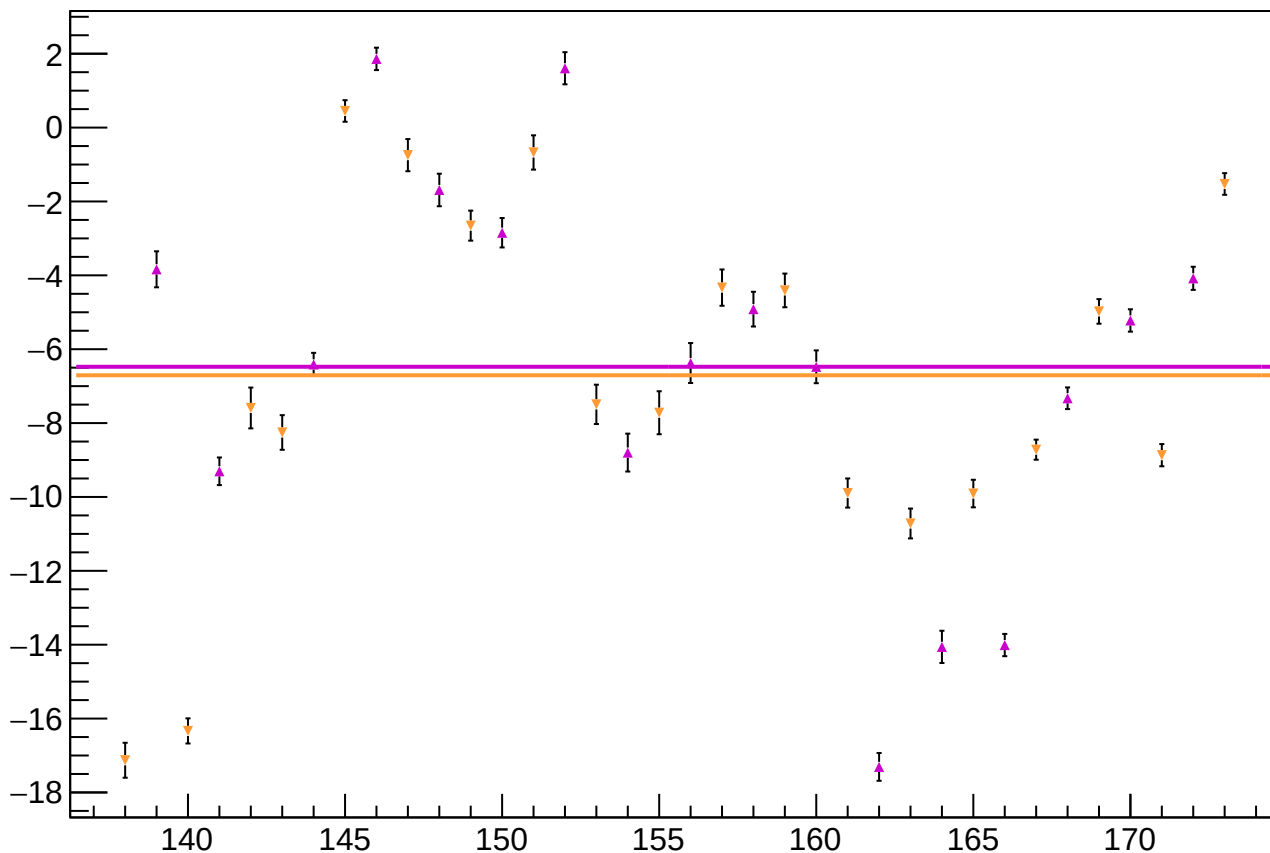
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.142+/-0.001 χ^2/NDF :1970.2/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.141+/-0.001 χ^2/NDF :3455.6/16

Left: -0.142+/-0.001 χ^2/NDF : 5425.8/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.141+/-0.001 χ^2/NDF :3455.6/16
 Out: -0.142+/-0.001 χ^2/NDF :1970.2/18
 All: -0.142+/-0.001 χ^2/NDF : 5425.8/35

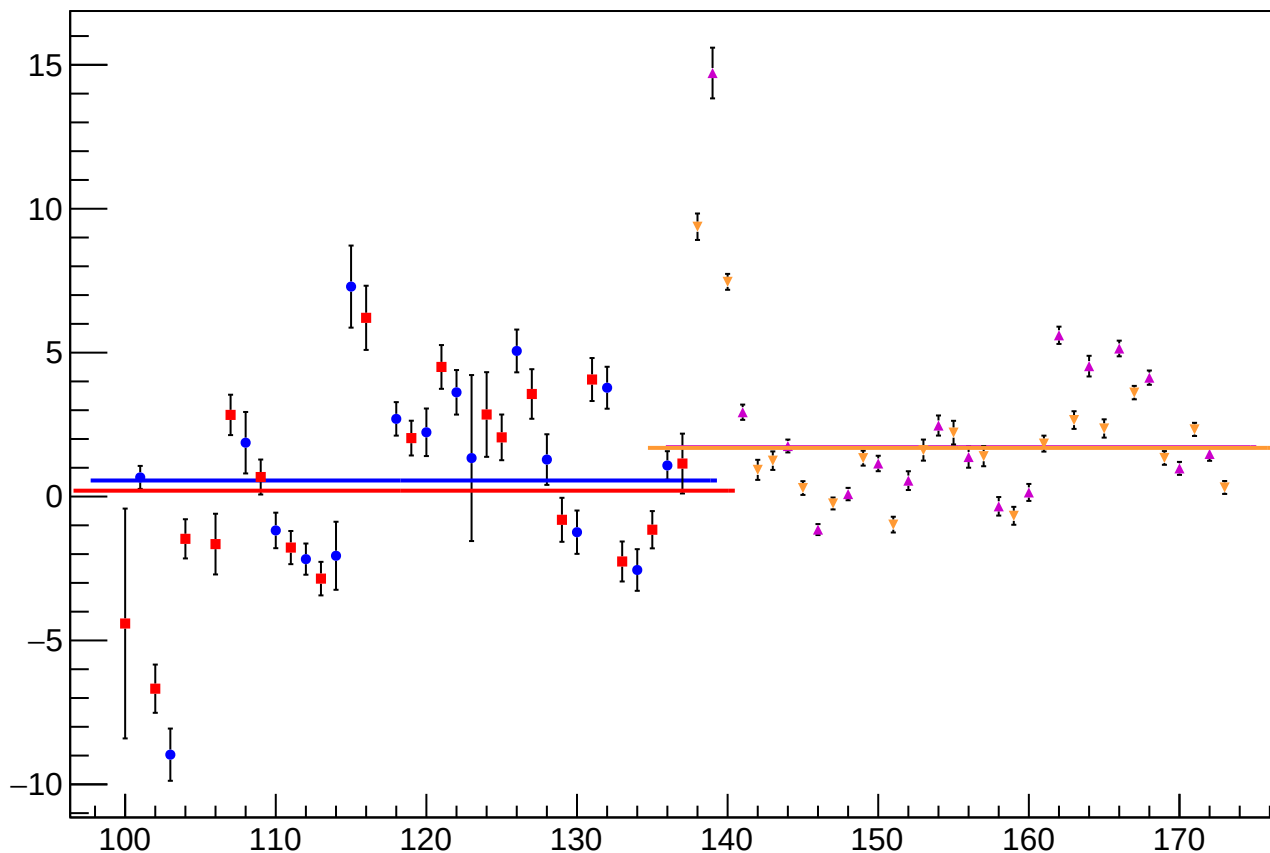
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.706+/-0.088 χ^2/NDF :3093.6/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.475+/-0.091 χ^2/NDF :3257.6/16

Left: -6.594+/-0.063 χ^2/NDF : 6354.4/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.475+/-0.091 χ^2/NDF :3257.6/16
 Out: -6.706+/-0.088 χ^2/NDF :3093.6/18
 All: -6.594+/-0.063 χ^2/NDF : 6354.4/35

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 $\pm$ 0.170 χ^2/NDF : 287.9/16

Left Out: 1.691 $\pm$ 0.064 χ^2/NDF :1130.1/18

Right Out: 0.204 $\pm$ 0.175 χ^2/NDF : 272.1/18

Left In: 1.715 $\pm$ 0.066 χ^2/NDF :1106.5/16

Left: 1.703 $\pm$ 0.046 χ^2/NDF : 2236.7/35

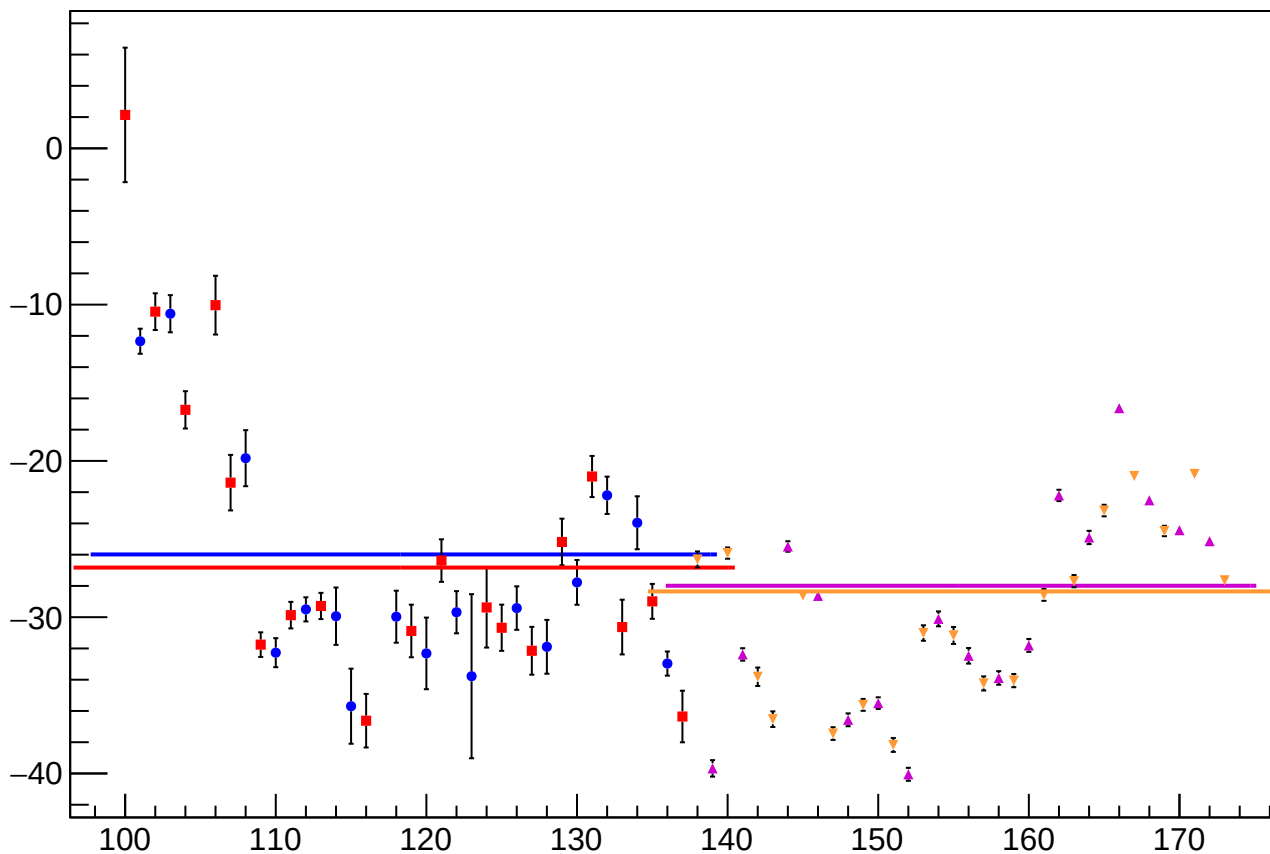
Right: 0.386 $\pm$ 0.122 χ^2/NDF : 562.1/35

In: 1.564 $\pm$ 0.061 χ^2/NDF :1434.7/33

Out: 1.515 $\pm$ 0.060 χ^2/NDF :1466.1/37

All: 1.539 $\pm$ 0.043 χ^2/NDF : 2901.1/71

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -25.984 ± 0.300 χ^2/NDF : 691.5/16

Left Out: -28.351 ± 0.088 χ^2/NDF : 3838.9/18

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

Left In: -27.990 ± 0.090 χ^2/NDF : 4952.8/16

Left: -28.174 ± 0.063 χ^2/NDF : 8800.0/35

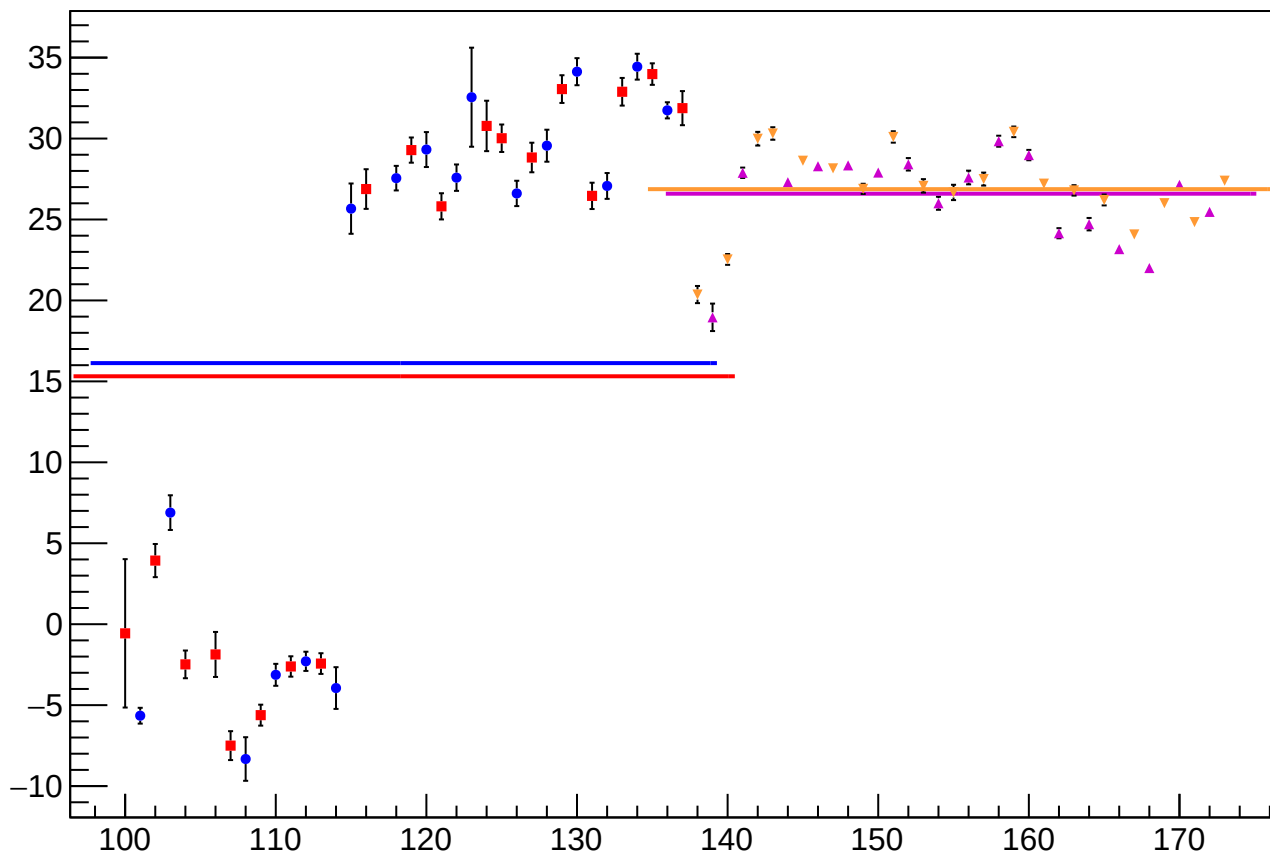
Right: -26.408 ± 0.211 χ^2/NDF : 1277.0/35

In: -27.826 ± 0.086 χ^2/NDF : 5685.2/33

Out: -28.228 ± 0.084 χ^2/NDF : 4444.6/37

All: -28.031 ± 0.060 χ^2/NDF : 10141.1/71

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 26.874 $\pm$ 0.073 χ^2 /NDF: 922.1/18

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

Left In: 26.593 $\pm$ 0.076 χ^2 /NDF: 881.8/16

Left: 26.739 $\pm$ 0.053 χ^2 /NDF: 1811.0/35

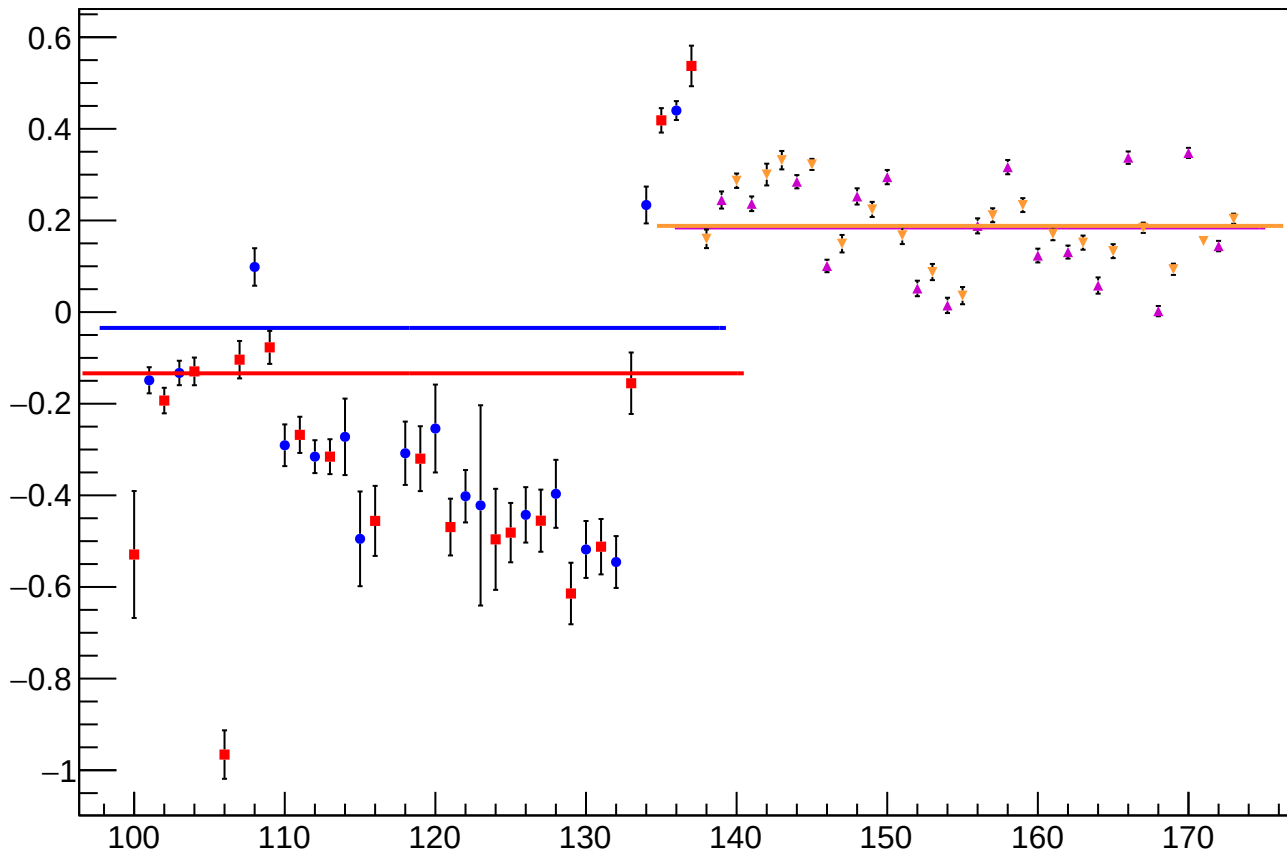
Right: 15.732 $\pm$ 0.138 χ^2 /NDF: 14859.4/35

In: 25.176 $\pm$ 0.071 χ^2 /NDF: 11021.0/33

Out: 25.469 $\pm$ 0.069 χ^2 /NDF: 11223.8/37

All: 25.326 $\pm$ 0.049 χ^2 /NDF: 22253.6/71

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035 ± 0.010 χ^2/NDF : 1011.6/16

Left Out: 0.188 ± 0.003 χ^2/NDF : 447.6/18

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

Left In: 0.185 ± 0.004 χ^2/NDF : 1110.3/16

Left: 0.187 ± 0.002 χ^2/NDF : 1558.3/35

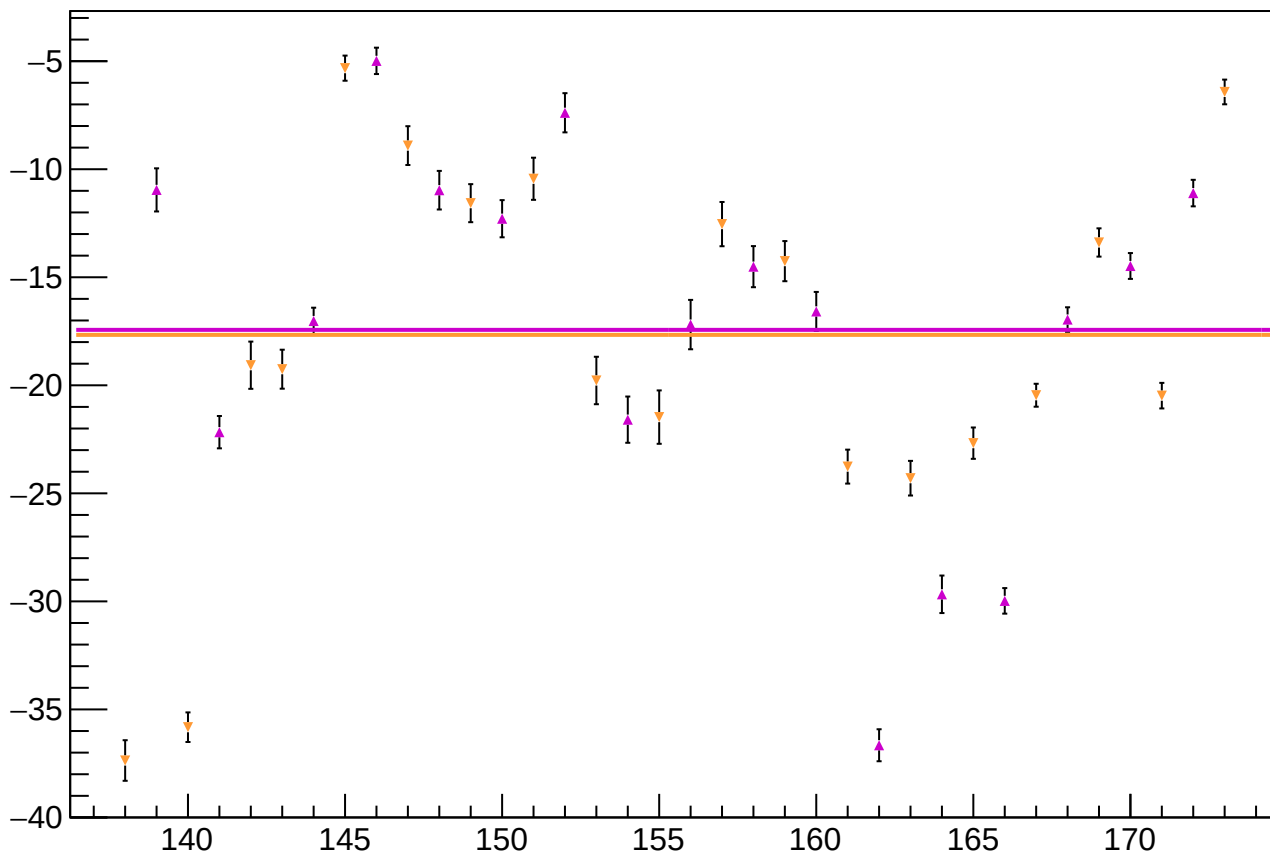
Right: -0.084 ± 0.007 χ^2/NDF : 2219.2/35

In: 0.162 ± 0.003 χ^2/NDF : 2525.7/33

Out: 0.157 ± 0.003 χ^2/NDF : 2478.3/37

All: 0.159 ± 0.002 χ^2/NDF : 5005.1/71

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -17.666+/-0.176 χ^2/NDF :2504.4/18

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

Left In: -17.434+/-0.181 χ^2/NDF :2188.6/16

Left: -17.553+/-0.126 χ^2/NDF : 4693.8/35

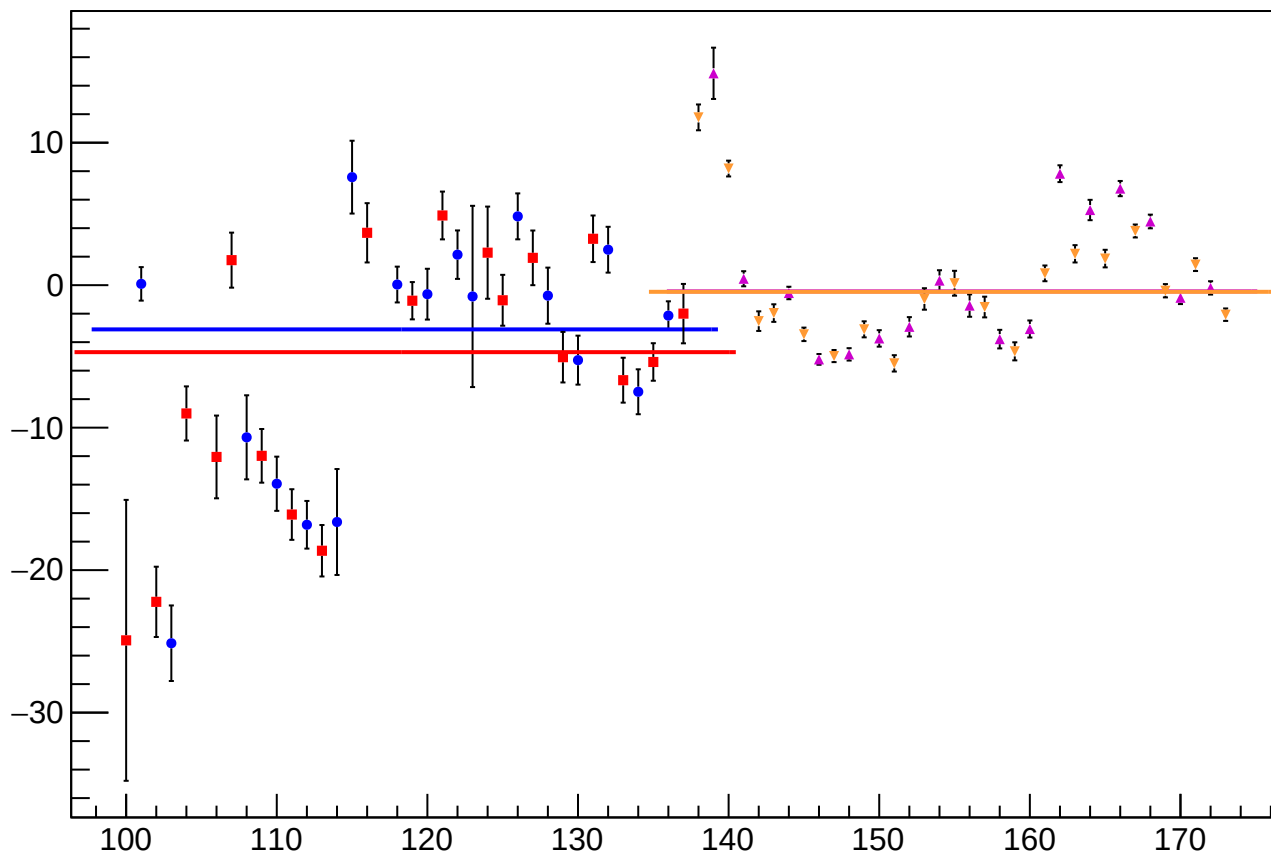
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -17.434+/-0.181 χ^2/NDF :2188.6/16

Out: -17.666+/-0.176 χ^2/NDF :2504.4/18

All: -17.553+/-0.126 χ^2/NDF : 4693.8/35

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 ± 0.411 $\chi^2/\text{NDF}: 279.1/16$

Left Out: -0.467 ± 0.128 $\chi^2/\text{NDF}: 895.2/18$

Right Out: -4.701 ± 0.427 $\chi^2/\text{NDF}: 297.6/18$

Left In: -0.435 ± 0.132 $\chi^2/\text{NDF}: 980.7/16$

Left: -0.451 ± 0.092 $\chi^2/\text{NDF}: 1876.0/35$

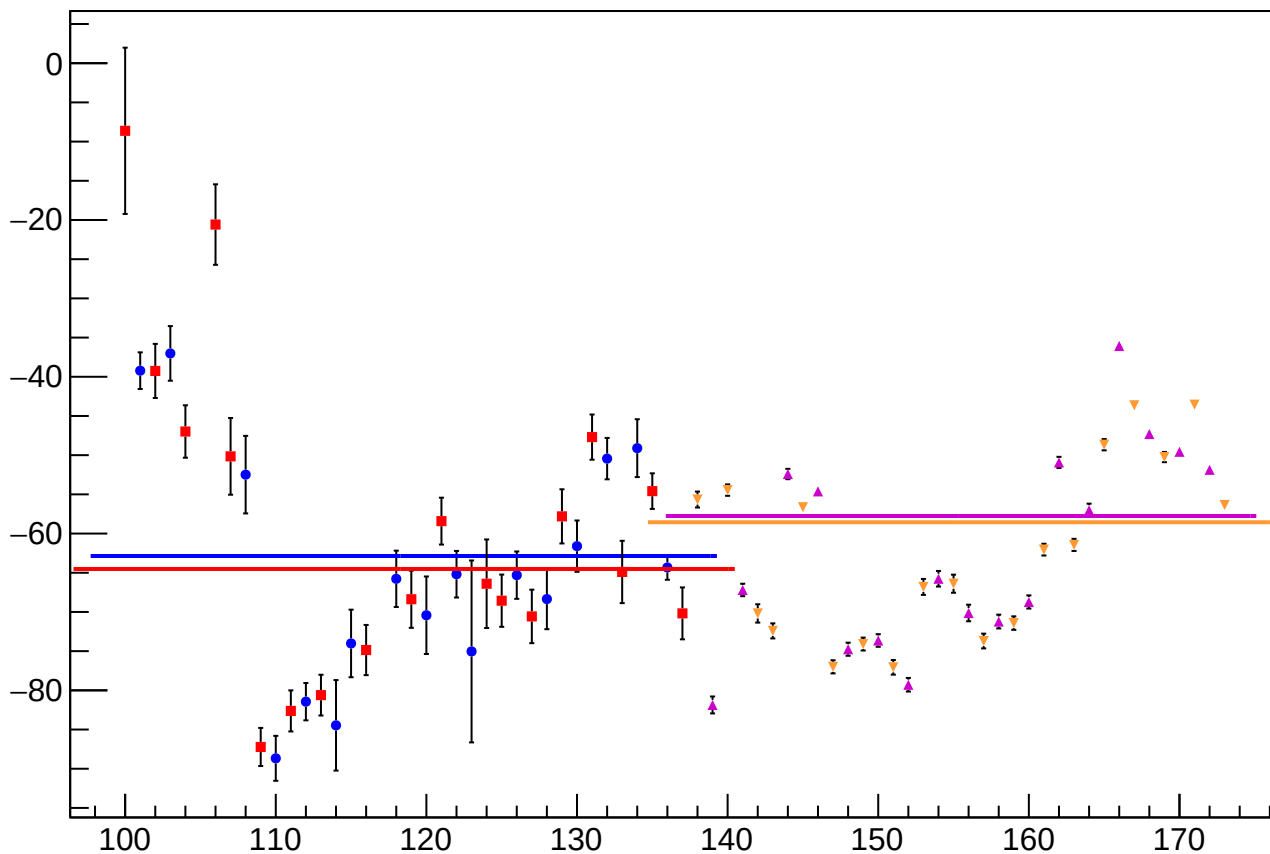
Right: -3.873 ± 0.296 $\chi^2/\text{NDF}: 584.0/35$

In: -0.684 ± 0.126 $\chi^2/\text{NDF}: 1298.1/33$

Out: -0.817 ± 0.123 $\chi^2/\text{NDF}: 1283.3/37$

All: -0.752 ± 0.088 $\chi^2/\text{NDF}: 2581.9/71$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.863 ± 0.741 χ^2/NDF : 368.7/16

Left Out: -58.558 ± 0.176 χ^2/NDF : 3971.1/18

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

Left In: -57.759 ± 0.180 χ^2/NDF : 4752.6/16

Left: -58.166 ± 0.126 χ^2/NDF : 8733.7/35

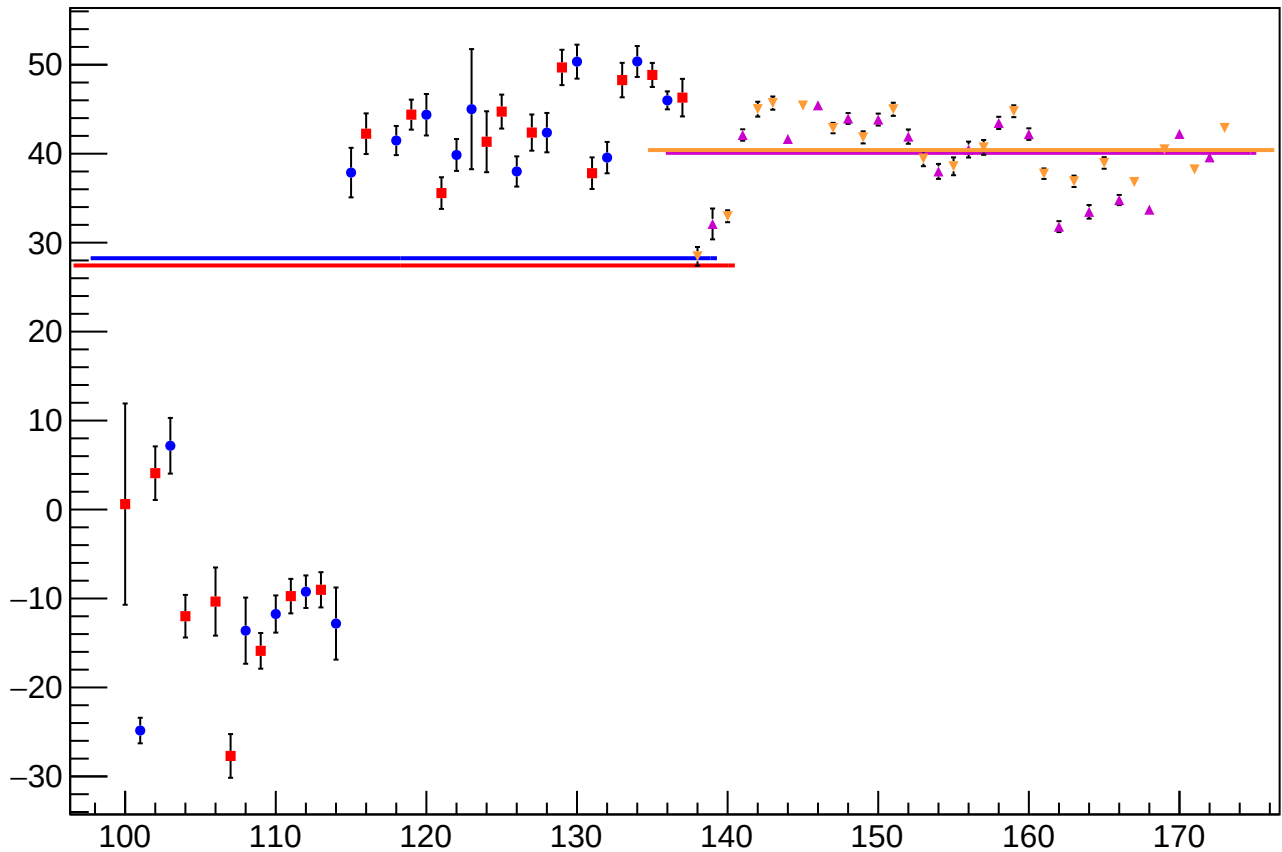
Right: -63.677 ± 0.528 χ^2/NDF : 815.4/35

In: -58.042 ± 0.174 χ^2/NDF : 5166.1/33

Out: -58.868 ± 0.171 χ^2/NDF : 4474.9/37

All: -58.462 ± 0.122 χ^2/NDF : 9652.4/71

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.250 $\pm$ 0.460 χ^2 /NDF: 3319.5/16

Left Out: 40.406 $\pm$ 0.147 χ^2 /NDF:679.6/18

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

Left In: 40.097 $\pm$ 0.152 χ^2 /NDF:777.7/16

Left: 40.257 $\pm$ 0.106 χ^2 /NDF: 1459.4/35

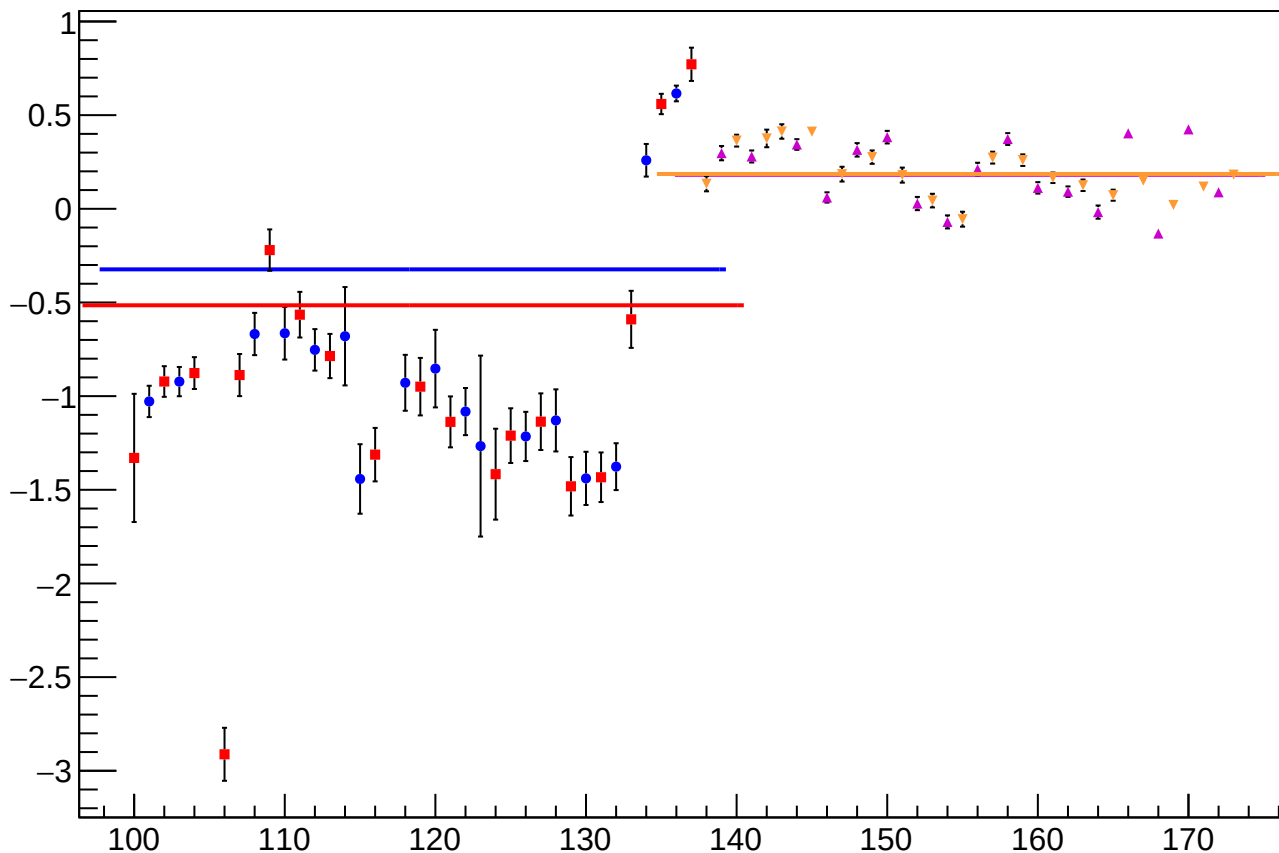
Right: 27.859 $\pm$ 0.332 χ^2 /NDF: 6353.5/35

In: 38.928 $\pm$ 0.145 χ^2 /NDF:4694.8/33

Out: 39.294 $\pm$ 0.140 χ^2 /NDF:4383.1/37

All: 39.116 $\pm$ 0.101 χ^2 /NDF: 9081.1/71

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 χ^2/NDF : 1010.8/16

Left Out: 0.186 ± 0.007 χ^2/NDF : 321.1/18

Right Out: -0.515 ± 0.026 χ^2/NDF : 1160.9/18

Left In: 0.182 ± 0.007 χ^2/NDF : 693.1/16

Left: 0.184 ± 0.005 χ^2/NDF : 1014.3/35

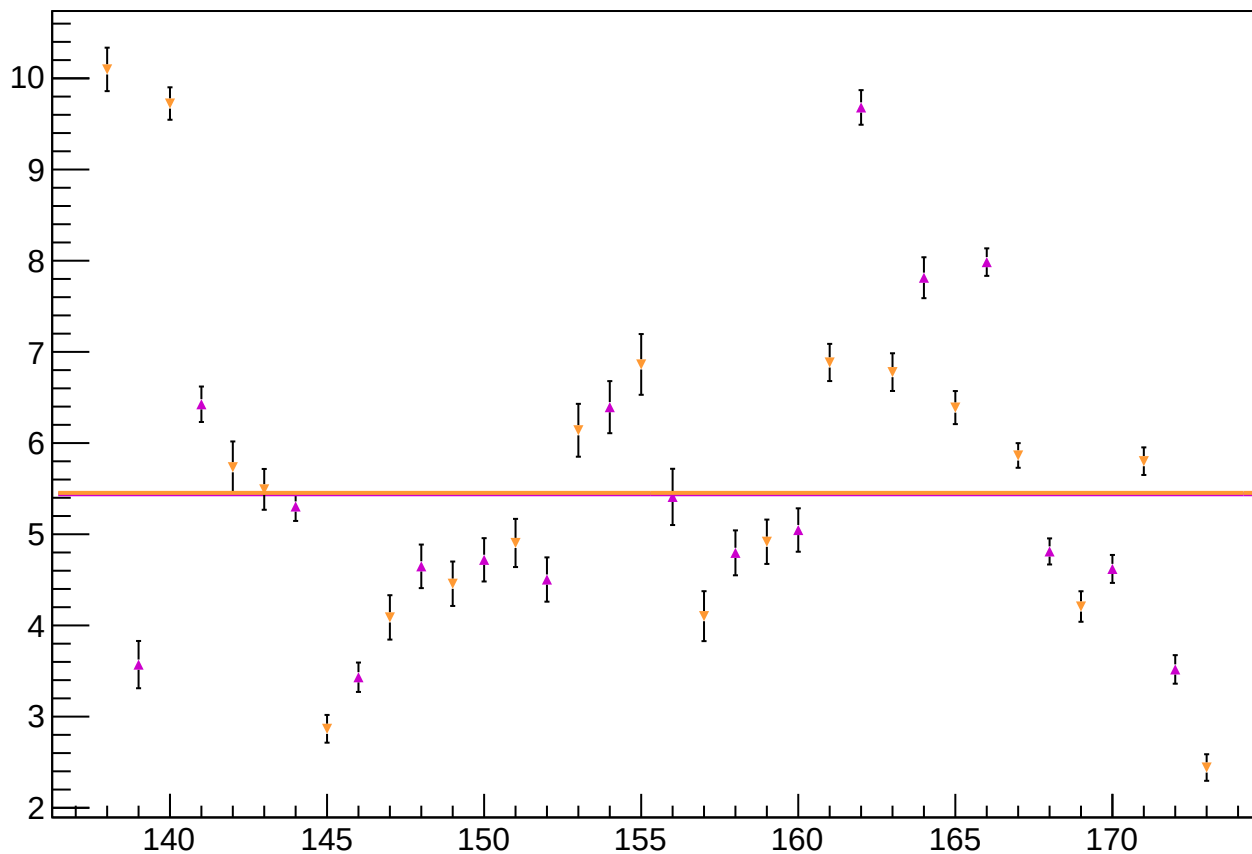
Right: -0.416 ± 0.018 χ^2/NDF : 2200.2/35

In: 0.144 ± 0.007 χ^2/NDF : 2082.8/33

Out: 0.140 ± 0.007 χ^2/NDF : 2174.2/37

All: 0.142 ± 0.005 χ^2/NDF : 4257.2/71

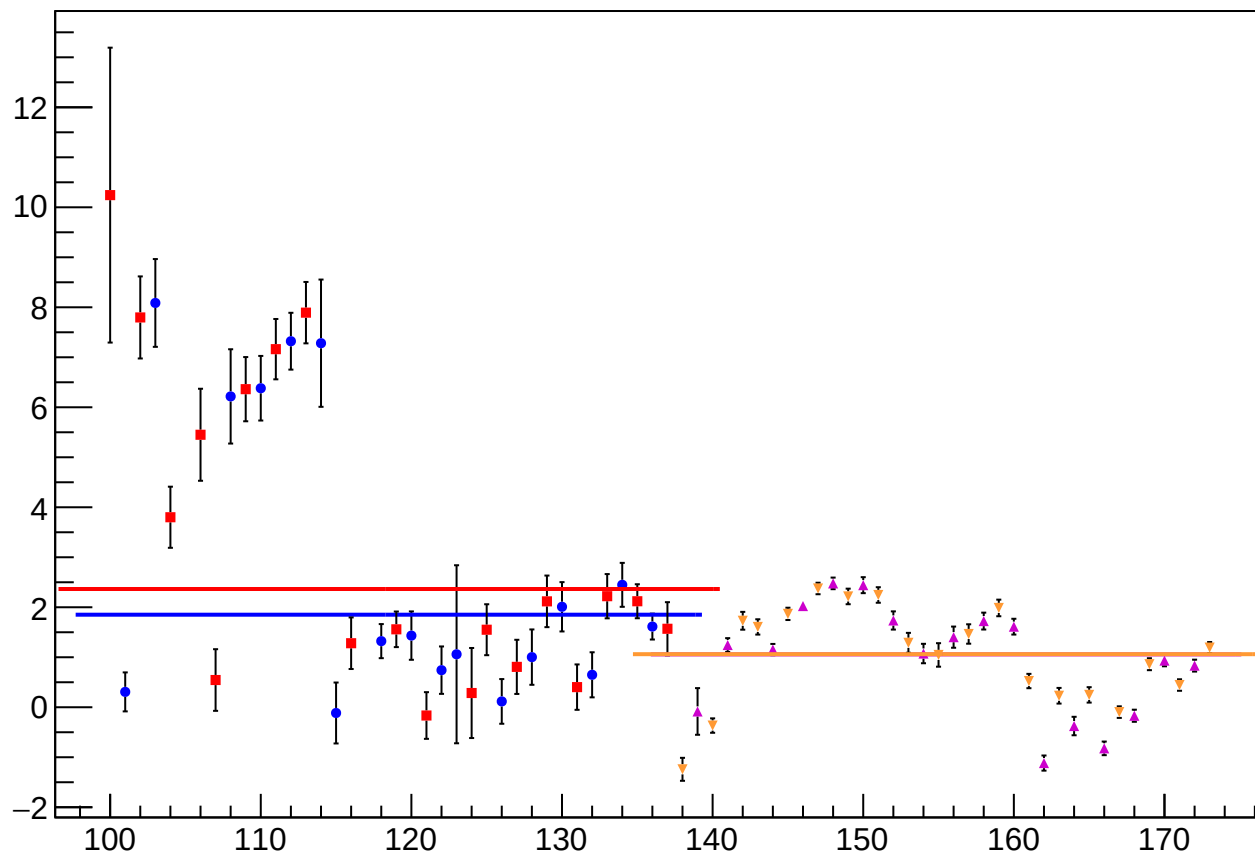
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.454 $\pm$ 0.045 χ^2 /NDF:1965.2/18
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.439 $\pm$ 0.047 χ^2 /NDF:1383.4/16

Left: 5.446 $\pm$ 0.033 χ^2 /NDF: 3348.6/35
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 5.439 $\pm$ 0.047 χ^2 /NDF:1383.4/16
 Out: 5.454 $\pm$ 0.045 χ^2 /NDF:1965.2/18
 All: 5.446 $\pm$ 0.033 χ^2 /NDF: 3348.6/35

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.851 ± 0.117 χ^2/NDF : 294.2/16

Left Out: 1.061 ± 0.033 χ^2/NDF : 751.1/18

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

Left In: 1.057 ± 0.034 χ^2/NDF : 939.4/16

Left: 1.059 ± 0.024 χ^2/NDF : 1690.5/35

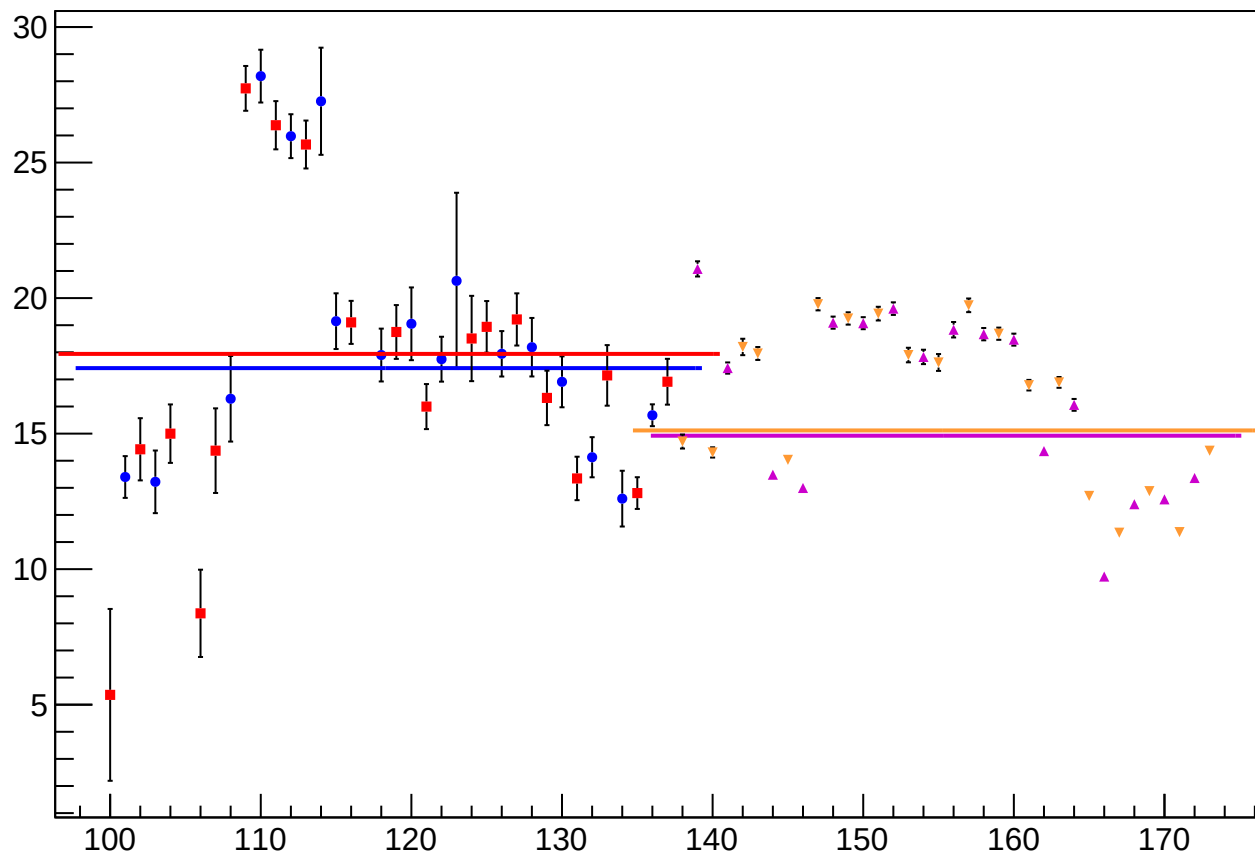
Right: 2.097 ± 0.085 χ^2/NDF : 639.6/35

In: 1.120 ± 0.033 χ^2/NDF : 1275.9/33

Out: 1.151 ± 0.032 χ^2/NDF : 1192.7/37

All: 1.136 ± 0.023 χ^2/NDF : 2469.1/71

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 15.117 $\pm$ 0.046 χ^2 /NDF:3992.5/18

Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18

Left In: 14.923 $\pm$ 0.047 χ^2 /NDF:4605.0/16

Left: 15.022 $\pm$ 0.033 χ^2 /NDF: 8606.4/35

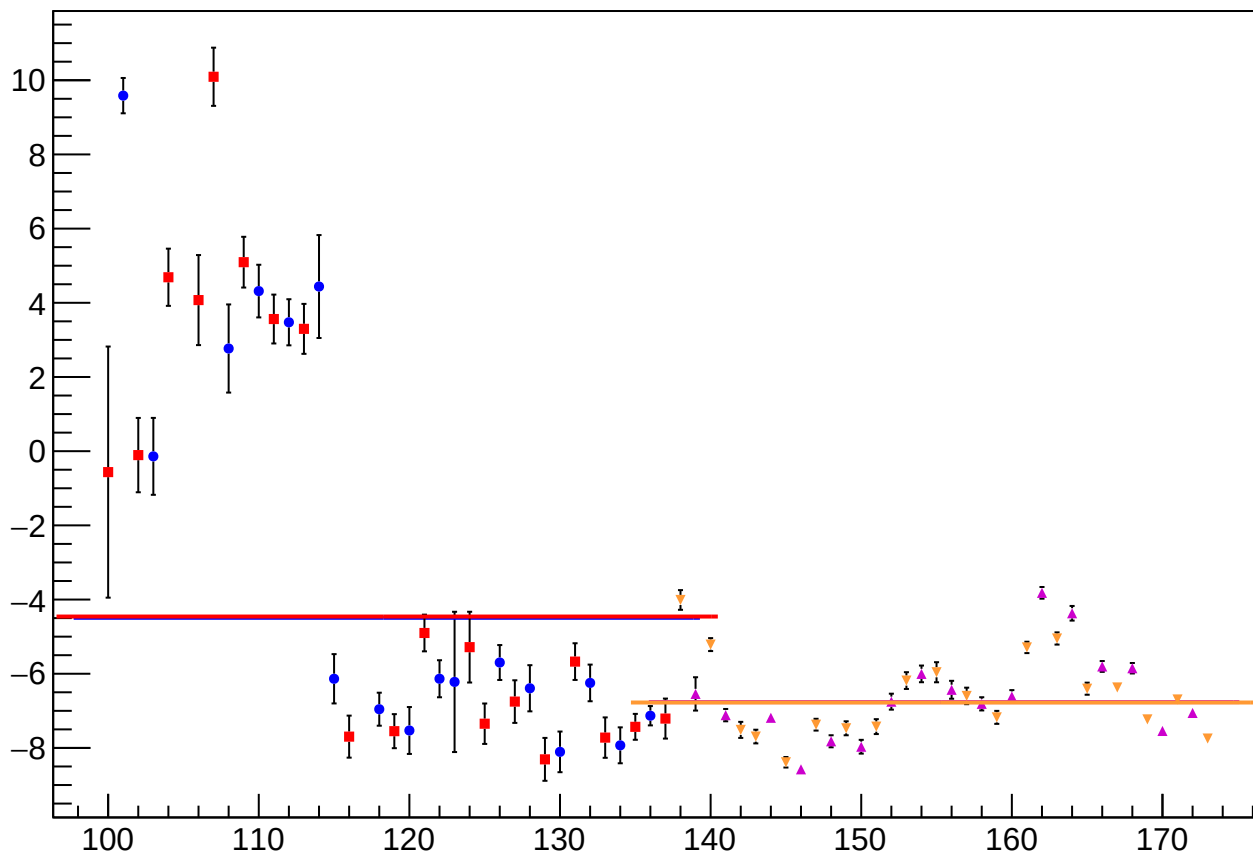
Right: 17.671 $\pm$ 0.153 χ^2 /NDF: 875.6/35

In: 15.038 $\pm$ 0.046 χ^2 /NDF:5103.3/33

Out: 15.235 $\pm$ 0.045 χ^2 /NDF:4657.2/37

All: 15.138 $\pm$ 0.032 χ^2 /NDF: 9770.0/71

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.491 ± 0.130 χ^2/NDF : 1585.4/16

Left Out: -6.775 ± 0.038 χ^2/NDF : 709.9/18

Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

Left In: -6.764 ± 0.040 χ^2/NDF : 951.7/16

Left: -6.770 ± 0.027 χ^2/NDF : 1661.6/35

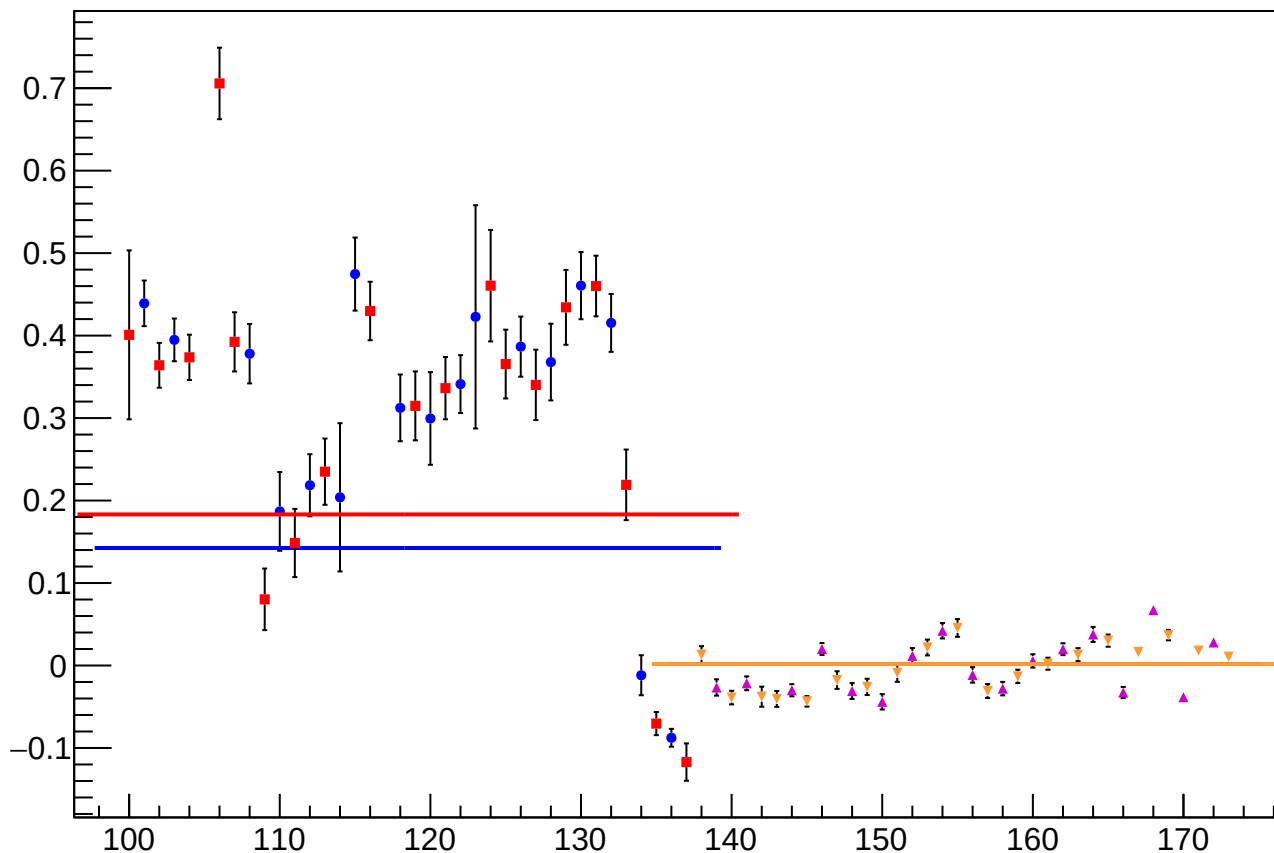
Right: -4.476 ± 0.094 χ^2/NDF : 2924.4/35

In: -6.573 ± 0.038 χ^2/NDF : 2815.1/33

Out: -6.610 ± 0.037 χ^2/NDF : 2314.4/37

All: -6.592 ± 0.026 χ^2/NDF : 5130.0/71

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142 ± 0.007 $\chi^2/\text{NDF}: 1058.8/16$

Left Out: 0.002 ± 0.002 $\chi^2/\text{NDF}: 225.1/18$

Right Out: 0.183 ± 0.007 $\chi^2/\text{NDF}: 1000.9/18$

Left In: 0.002 ± 0.002 $\chi^2/\text{NDF}: 374.0/16$

Left: 0.002 ± 0.001 $\chi^2/\text{NDF}: 599.1/35$

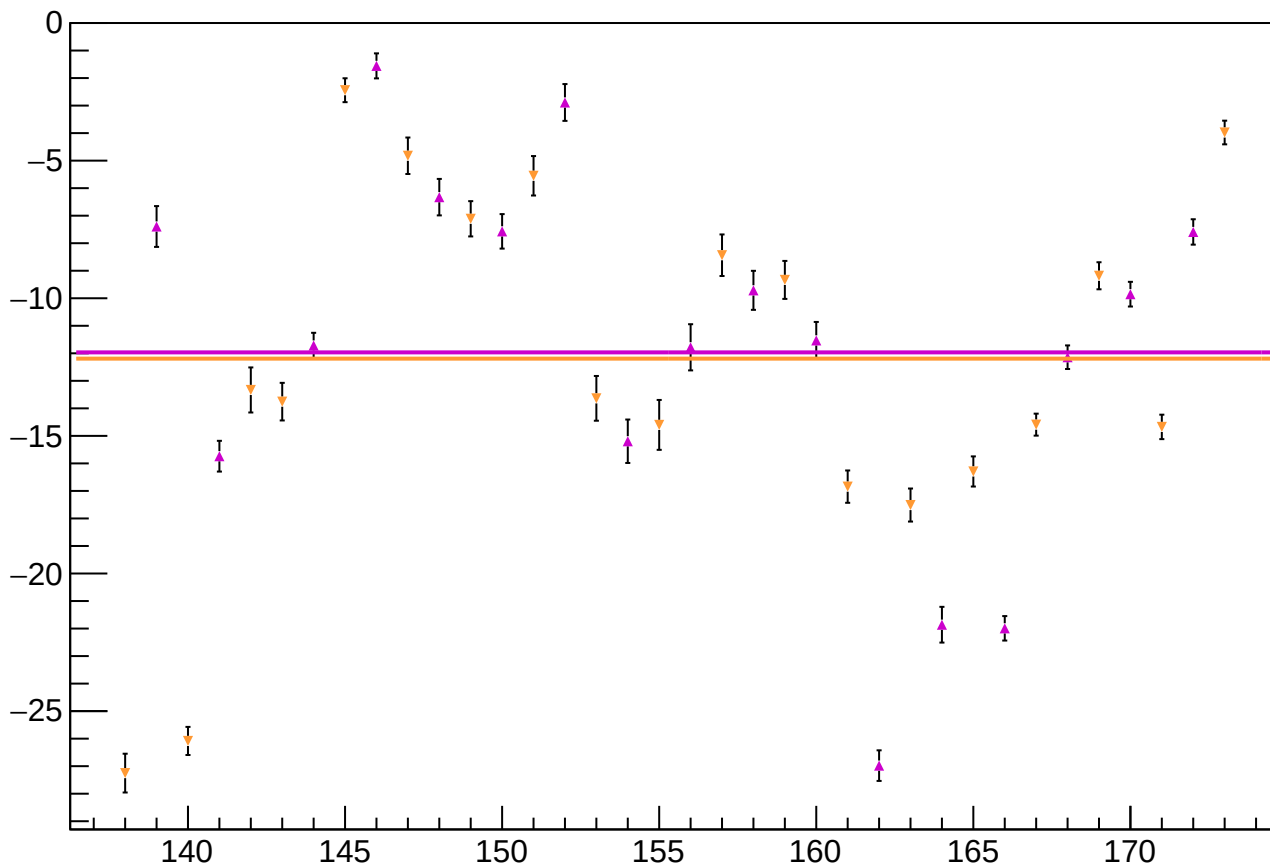
Right: 0.162 ± 0.005 $\chi^2/\text{NDF}: 2075.4/35$

In: 0.011 ± 0.002 $\chi^2/\text{NDF}: 1803.6/33$

Out: 0.011 ± 0.002 $\chi^2/\text{NDF}: 1793.6/37$

All: 0.011 ± 0.001 $\chi^2/\text{NDF}: 3597.3/71$

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -12.194+/-0.131 χ^2/NDF :2700.2/18

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

Left In: -11.966+/-0.135 χ^2/NDF :2524.8/16

Left: -12.083+/-0.094 χ^2/NDF : 5226.4/35

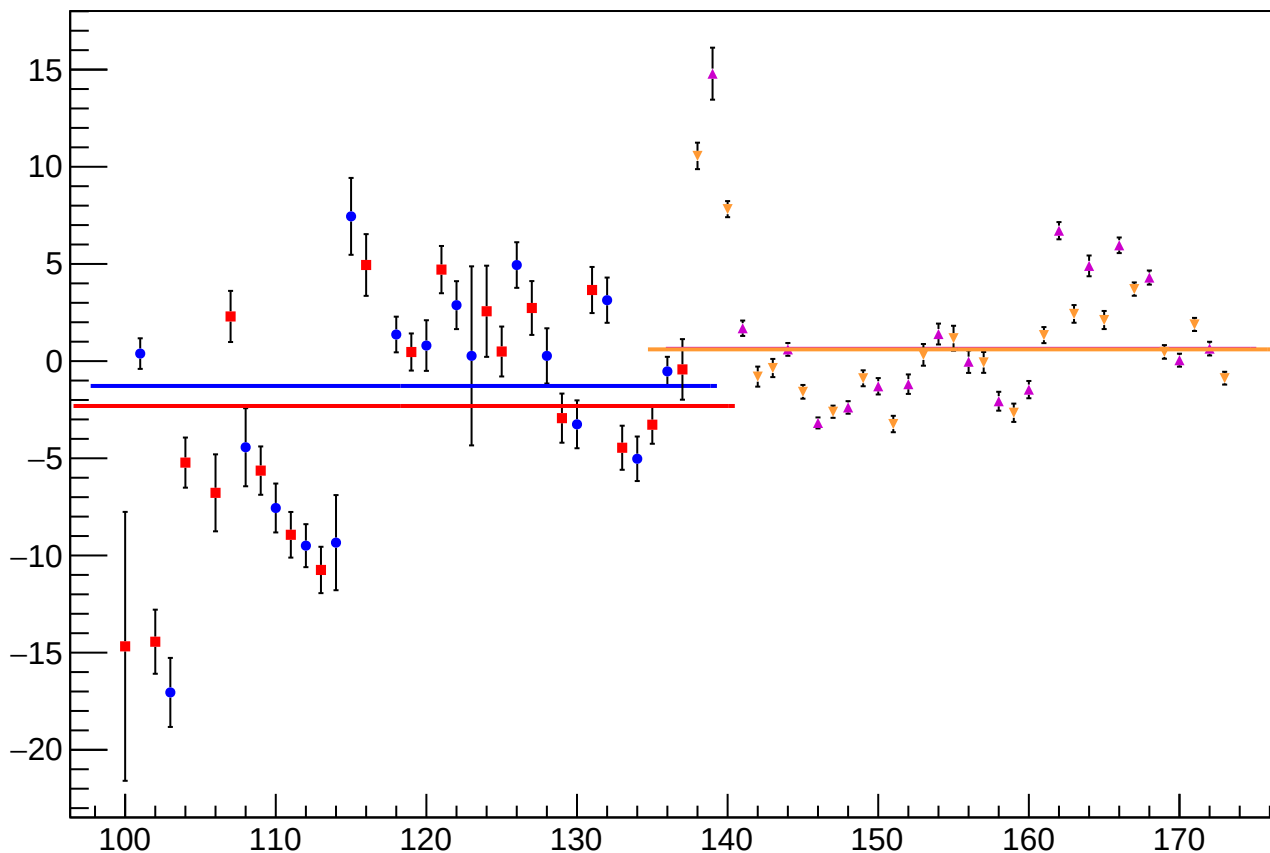
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -11.966+/-0.135 χ^2/NDF :2524.8/16

Out: -12.194+/-0.131 χ^2/NDF :2700.2/18

All: -12.083+/-0.094 χ^2/NDF : 5226.4/35

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.278 ± 0.292 χ^2/NDF : 276.5/16

Left Out: 0.605 ± 0.096 χ^2/NDF : 964.1/18

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

Left In: 0.633 ± 0.098 χ^2/NDF : 1012.1/16

Left: 0.618 ± 0.069 χ^2/NDF : 1976.2/35

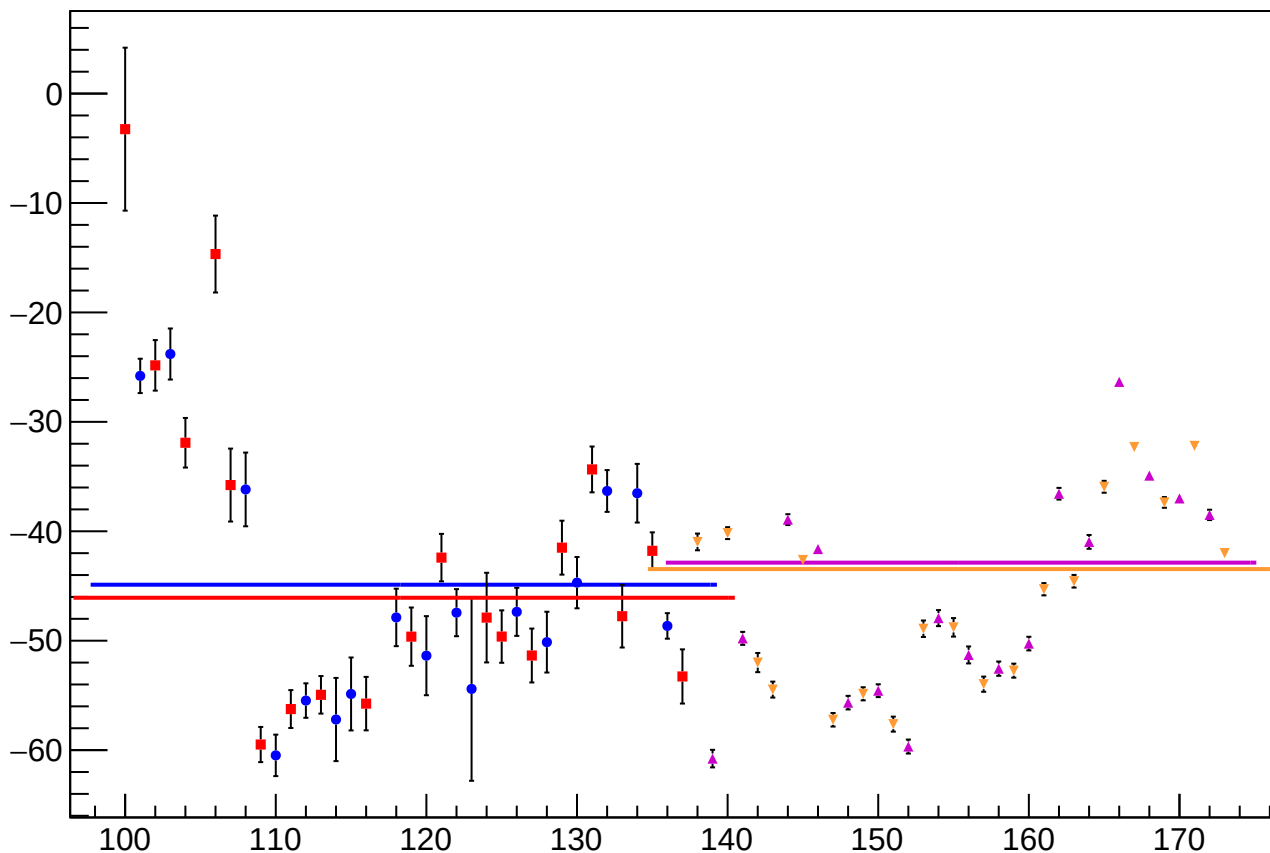
Right: -1.776 ± 0.210 χ^2/NDF : 567.8/35

In: 0.438 ± 0.093 χ^2/NDF : 1326.9/33

Out: 0.340 ± 0.091 χ^2/NDF : 1333.8/37

All: 0.388 ± 0.065 χ^2/NDF : 2661.3/71

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883 ± 0.524 $\chi^2/\text{NDF}: 421.0/16$

Left Out: -43.454 ± 0.131 $\chi^2/\text{NDF}: 3939.3/18$

Right Out: -46.075 ± 0.529 $\chi^2/\text{NDF}: 454.3/18$

Left In: -42.867 ± 0.134 $\chi^2/\text{NDF}: 4814.5/16$

Left: -43.166 ± 0.094 $\chi^2/\text{NDF}: 8763.6/35$

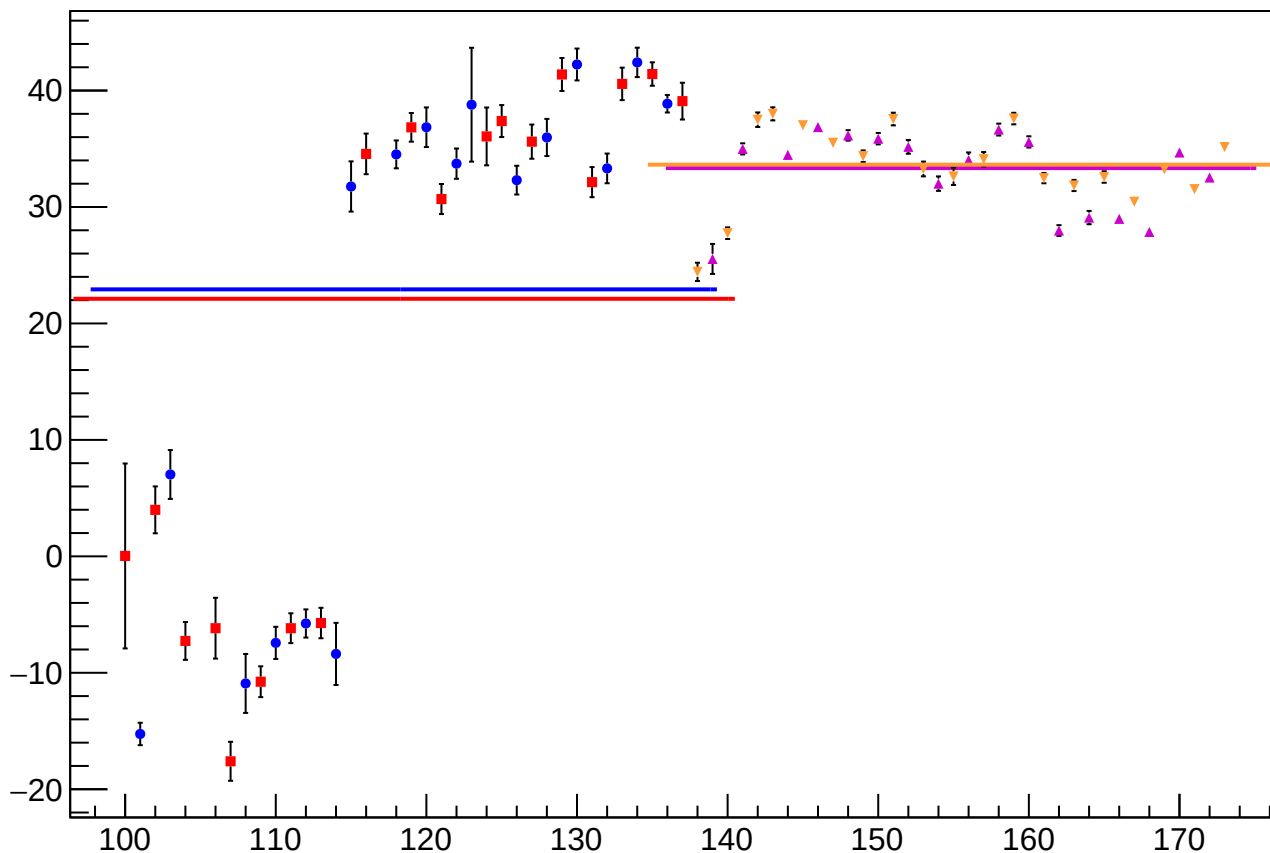
Right: -45.474 ± 0.372 $\chi^2/\text{NDF}: 877.8/35$

In: -42.990 ± 0.130 $\chi^2/\text{NDF}: 5249.3/33$

Out: -43.607 ± 0.128 $\chi^2/\text{NDF}: 4416.7/37$

All: -43.304 ± 0.091 $\chi^2/\text{NDF}: 9677.6/71$

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 33.637 $\pm$ 0.110 χ^2 /NDF: 729.3/18

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

Left In: 33.341 $\pm$ 0.114 χ^2 /NDF: 779.1/16

Left: 33.494 $\pm$ 0.079 χ^2 /NDF: 1511.9/35

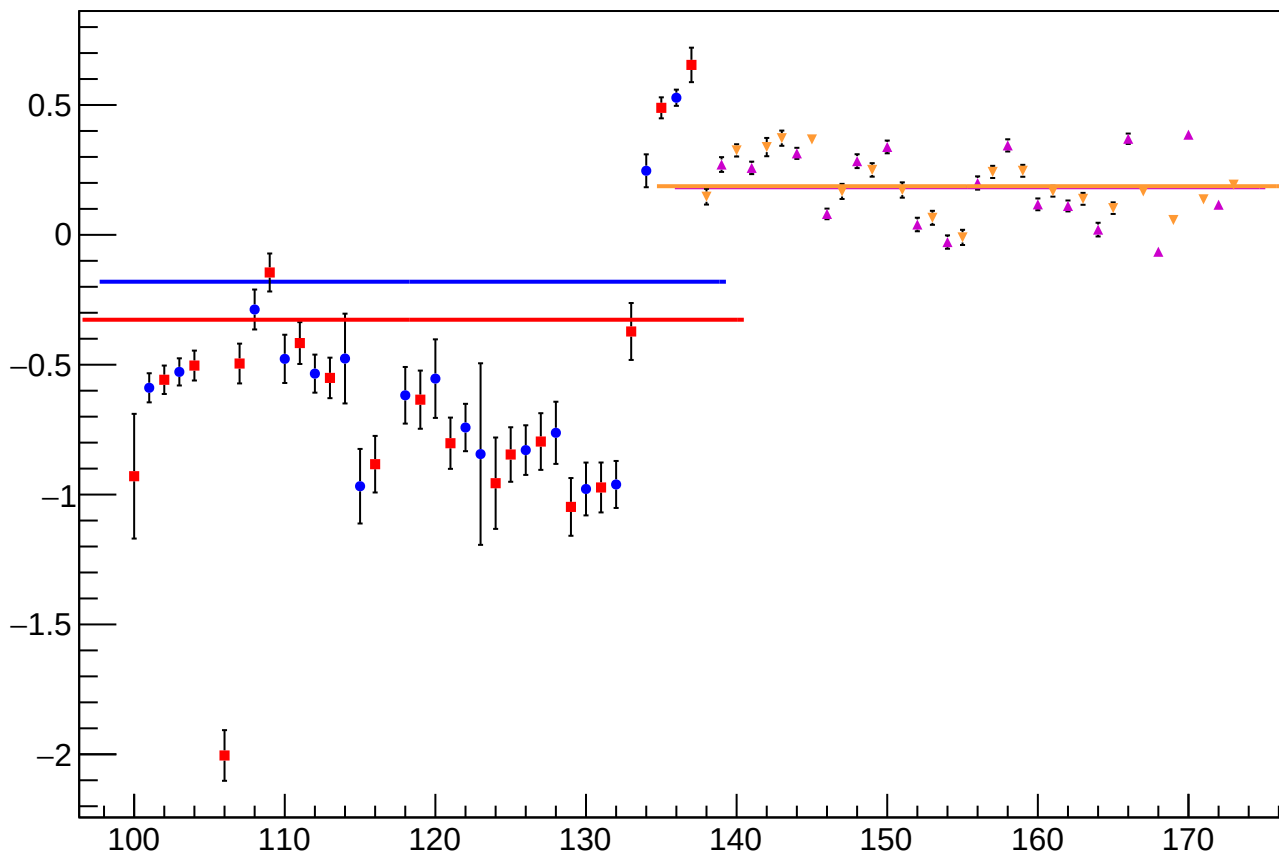
Right: 22.536 $\pm$ 0.236 χ^2 /NDF: 8366.6/35

In: 32.225 $\pm$ 0.107 χ^2 /NDF: 6009.1/33

Out: 32.554 $\pm$ 0.104 χ^2 /NDF: 5803.0/37

All: 32.394 $\pm$ 0.075 χ^2 /NDF: 11817.0/71

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.187 ± 0.005 χ^2/NDF : 360.7/18

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

Left In: 0.183 ± 0.005 χ^2/NDF : 824.5/16

Left: 0.185 ± 0.004 χ^2/NDF : 1185.5/35

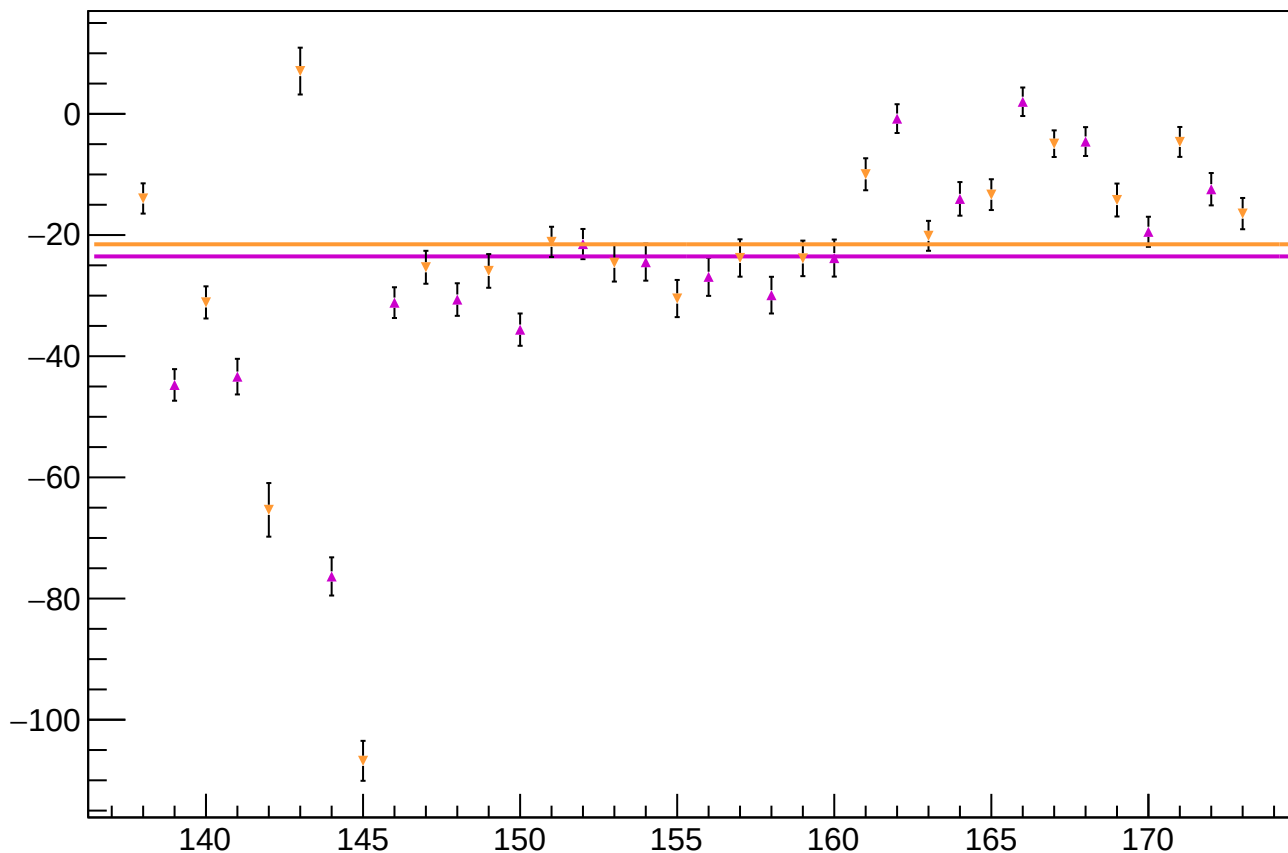
Right: -0.252 ± 0.013 χ^2/NDF : 2204.4/35

In: 0.154 ± 0.005 χ^2/NDF : 2205.3/33

Out: 0.150 ± 0.005 χ^2/NDF : 2276.6/37

All: 0.152 ± 0.004 χ^2/NDF : 4482.2/71

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



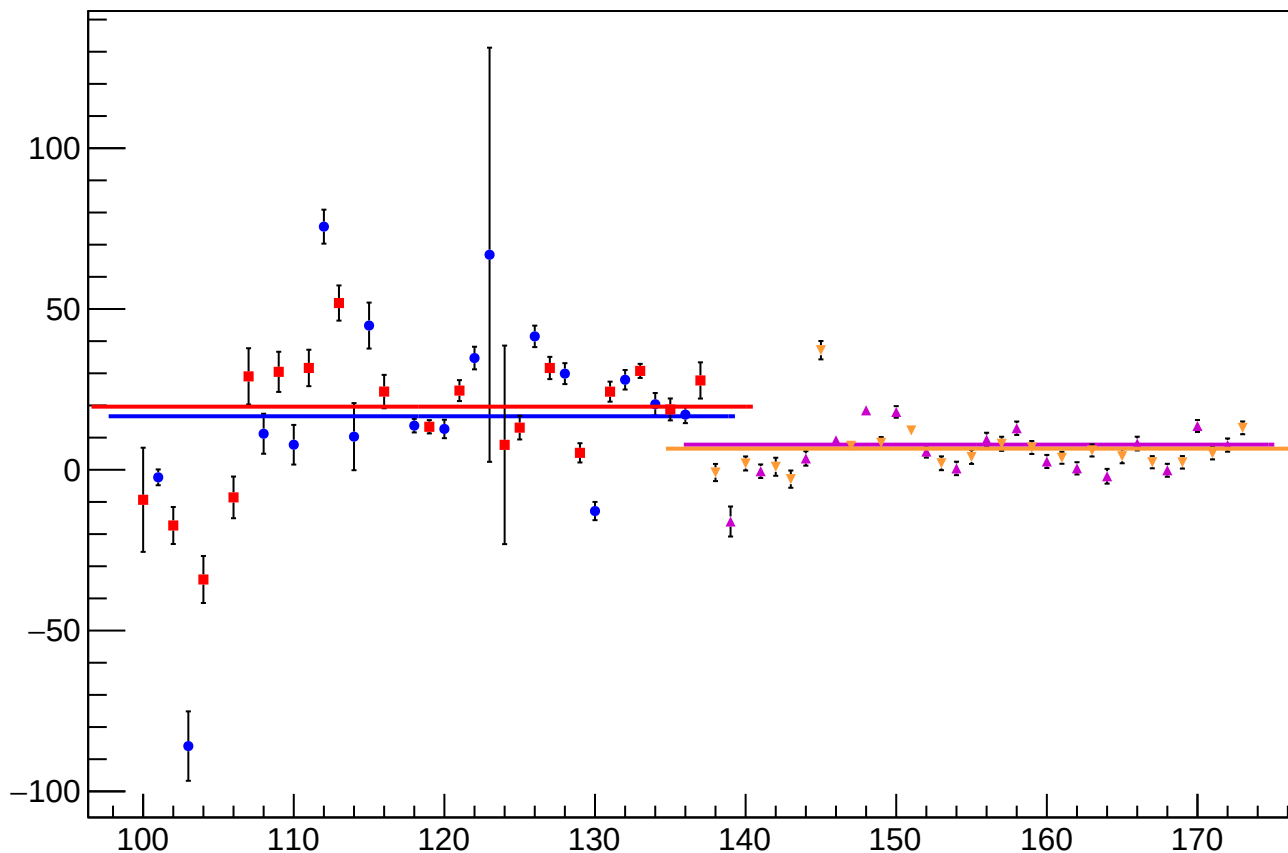
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -21.527+/-0.634 χ^2/NDF :1003.9/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -23.528+/-0.652 χ^2/NDF :739.8/16

Left: -22.499+/-0.455 χ^2/NDF : 1748.5/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -23.528+/-0.652 χ^2/NDF :739.8/16
 Out: -21.527+/-0.634 χ^2/NDF :1003.9/18

All: -22.499+/-0.455 χ^2/NDF : 1748.5/35

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 ± 0.859 $\chi^2/\text{NDF}: 518.9/16$

Left Out: 6.568 ± 0.453 $\chi^2/\text{NDF}: 191.7/18$

Right Out: 19.632 ± 0.896 $\chi^2/\text{NDF}: 241.7/18$

Left In: 7.819 ± 0.474 $\chi^2/\text{NDF}: 229.8/16$

Left: 7.165 ± 0.327 $\chi^2/\text{NDF}: 425.2/35$

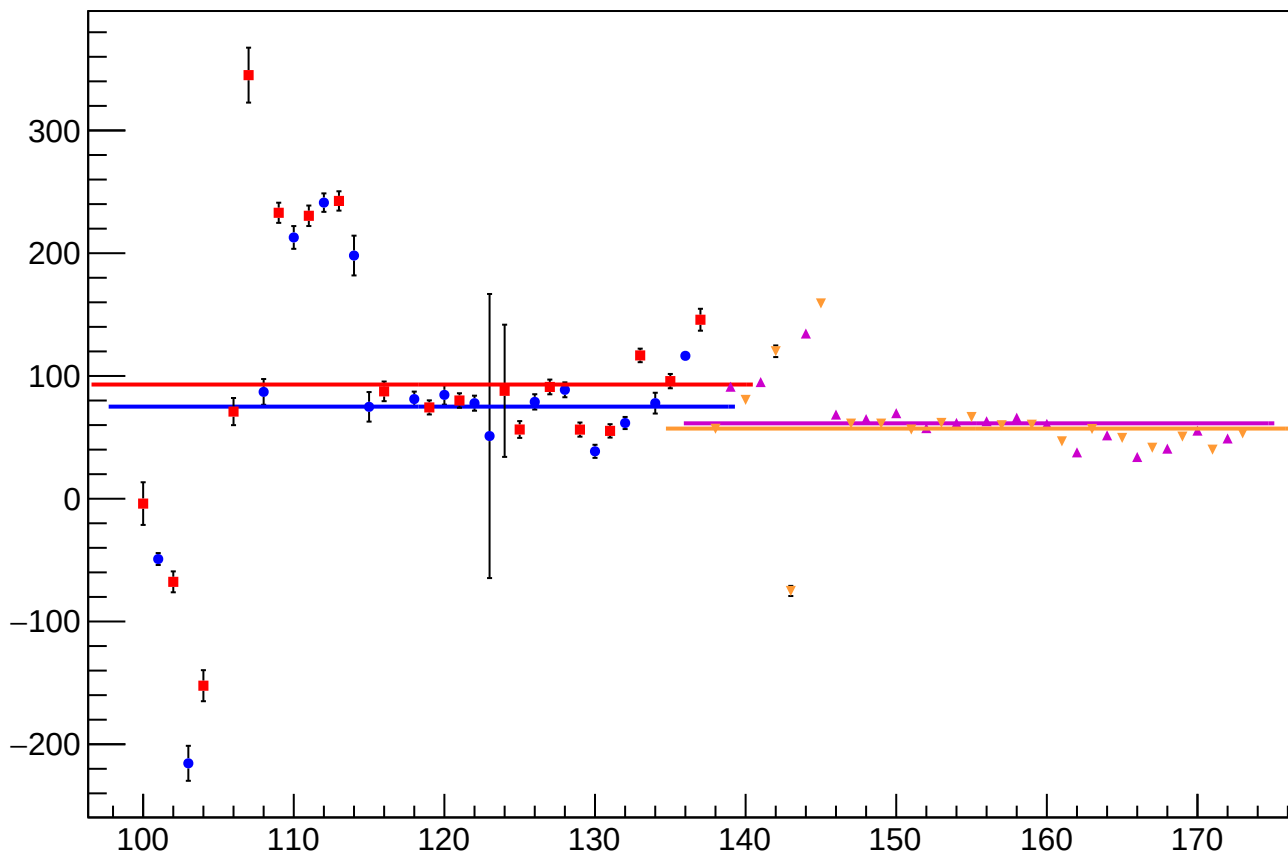
Right: 18.072 ± 0.620 $\chi^2/\text{NDF}: 766.4/35$

In: 9.876 ± 0.415 $\chi^2/\text{NDF}: 829.7/33$

Out: 9.223 ± 0.404 $\chi^2/\text{NDF}: 602.7/37$

All: 9.541 ± 0.289 $\chi^2/\text{NDF}: 1433.6/71$

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032 $\pm$ 1.647 χ^2 /NDF: 1999.7/16

Left Out: 57.153 $\pm$ 0.626 χ^2 /NDF: 2310.3/18

Right Out: 93.028 $\pm$ 1.711 χ^2 /NDF: 2003.6/18

Left In: 61.423 $\pm$ 0.640 χ^2 /NDF: 1075.4/16

Left: 59.241 $\pm$ 0.447 χ^2 /NDF: 3408.4/35

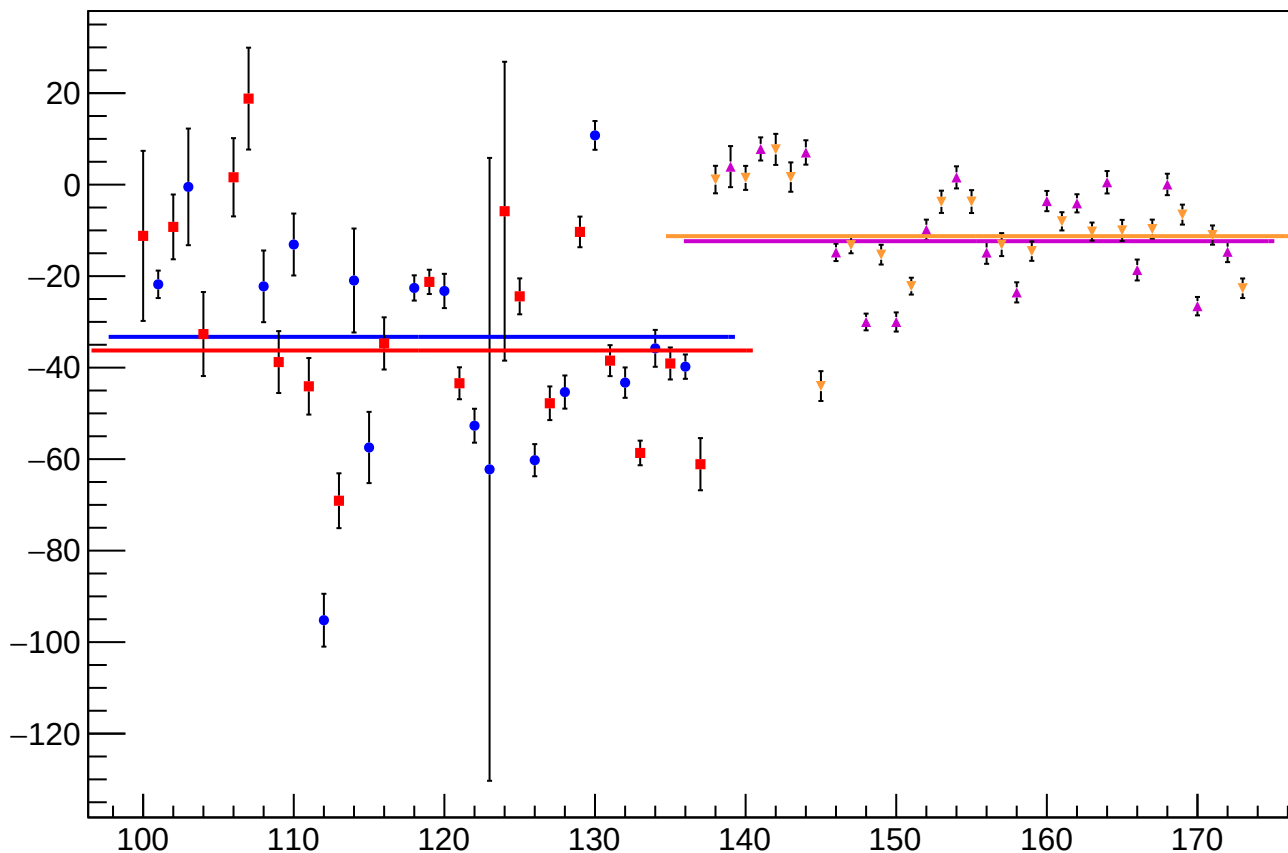
Right: 83.683 $\pm$ 1.187 χ^2 /NDF: 4060.7/35

In: 63.208 $\pm$ 0.596 χ^2 /NDF: 3134.4/33

Out: 61.386 $\pm$ 0.588 χ^2 /NDF: 4701.5/37

All: 62.284 $\pm$ 0.419 χ^2 /NDF: 7840.6/71

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: -11.258 ± 0.523 $\chi^2/\text{NDF}: 287.0/18$

Right Out: -36.251 ± 1.024 $\chi^2/\text{NDF}: 297.6/18$

Left In: -12.359 ± 0.548 $\chi^2/\text{NDF}: 504.5/16$

Left: -11.784 ± 0.378 $\chi^2/\text{NDF}: 793.7/35$

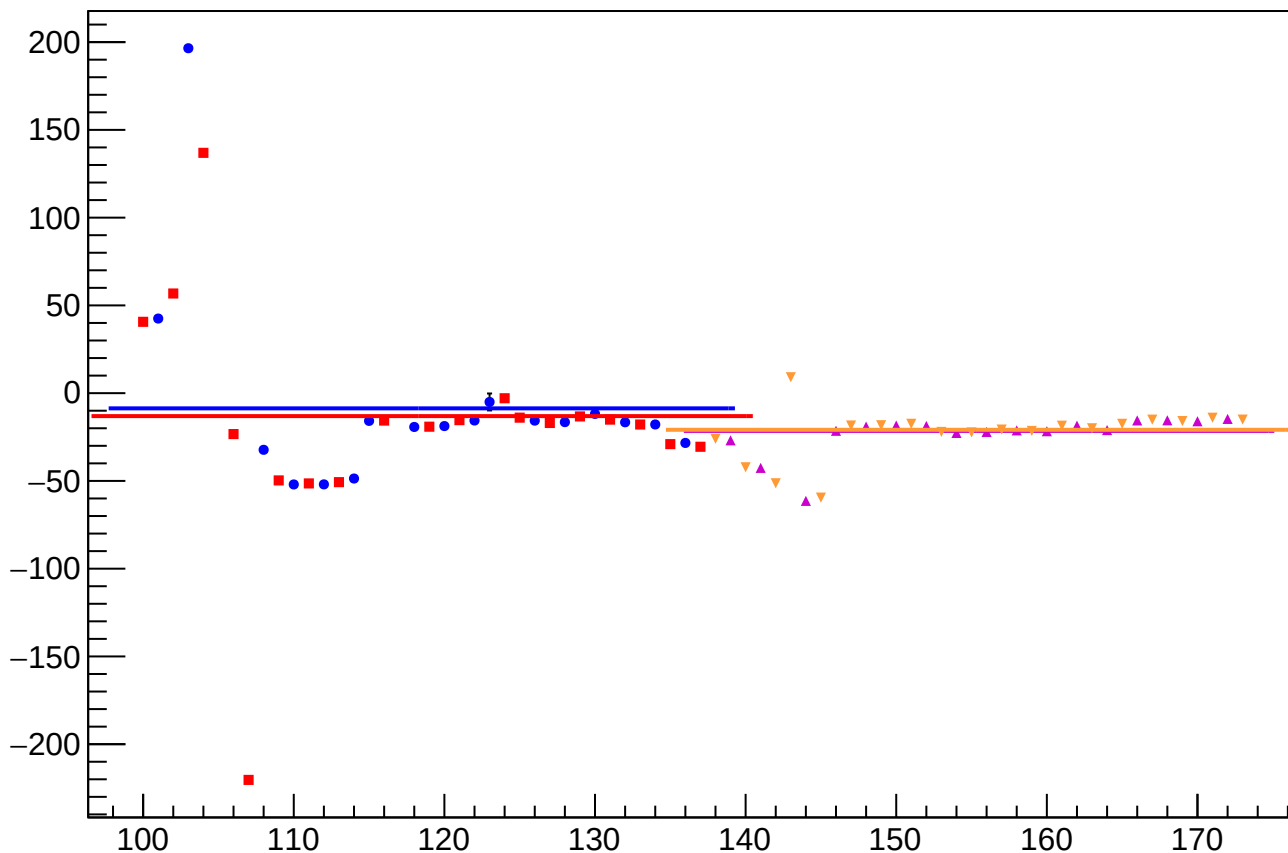
Right: -34.699 ± 0.709 $\chi^2/\text{NDF}: 791.4/35$

In: -17.320 ± 0.478 $\chi^2/\text{NDF}: 1339.9/33$

Out: -16.434 ± 0.466 $\chi^2/\text{NDF}: 1057.1/37$

All: -16.865 ± 0.334 $\chi^2/\text{NDF}: 2398.7/71$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -20.866 ± 0.024 $\chi^2/\text{NDF}: 193249.8/18$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

Left In: -21.505 ± 0.025 $\chi^2/\text{NDF}: 123512.3/16$

Left: -21.177 ± 0.017 $\chi^2/\text{NDF}: 317099.6/35$

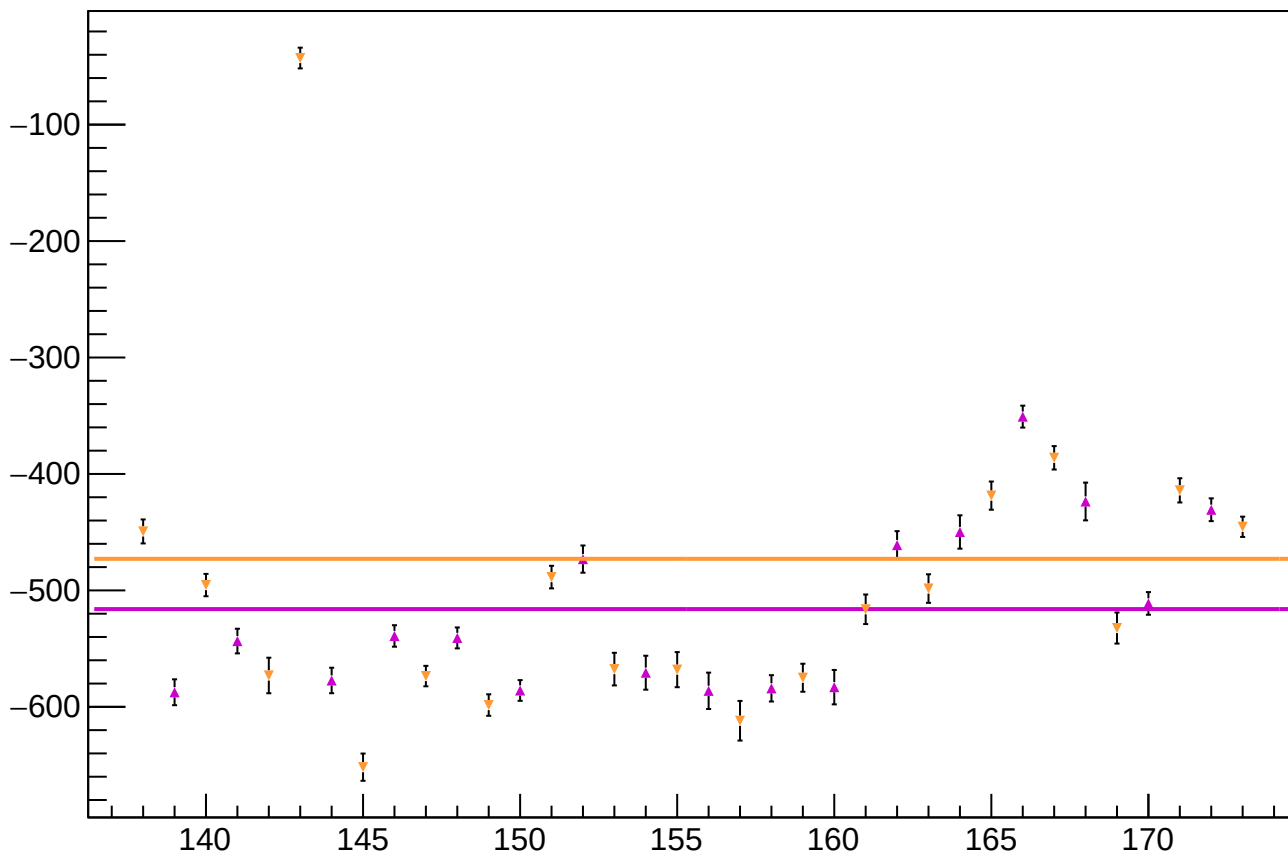
Right: -10.767 ± 0.043 $\chi^2/\text{NDF}: 1136731.7/35$

In: -19.568 ± 0.023 $\chi^2/\text{NDF}: 739413.3/33$

Out: -19.828 ± 0.023 $\chi^2/\text{NDF}: 765325.1/37$

All: -19.700 ± 0.016 $\chi^2/\text{NDF}: 1504803.3/71$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -472.872+/-2.521 χ^2/NDF :3339.0/18

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

Left In: -516.043+/-2.686 χ^2/NDF :719.3/16

Left: -493.090+/-1.838 χ^2/NDF : 4195.7/35

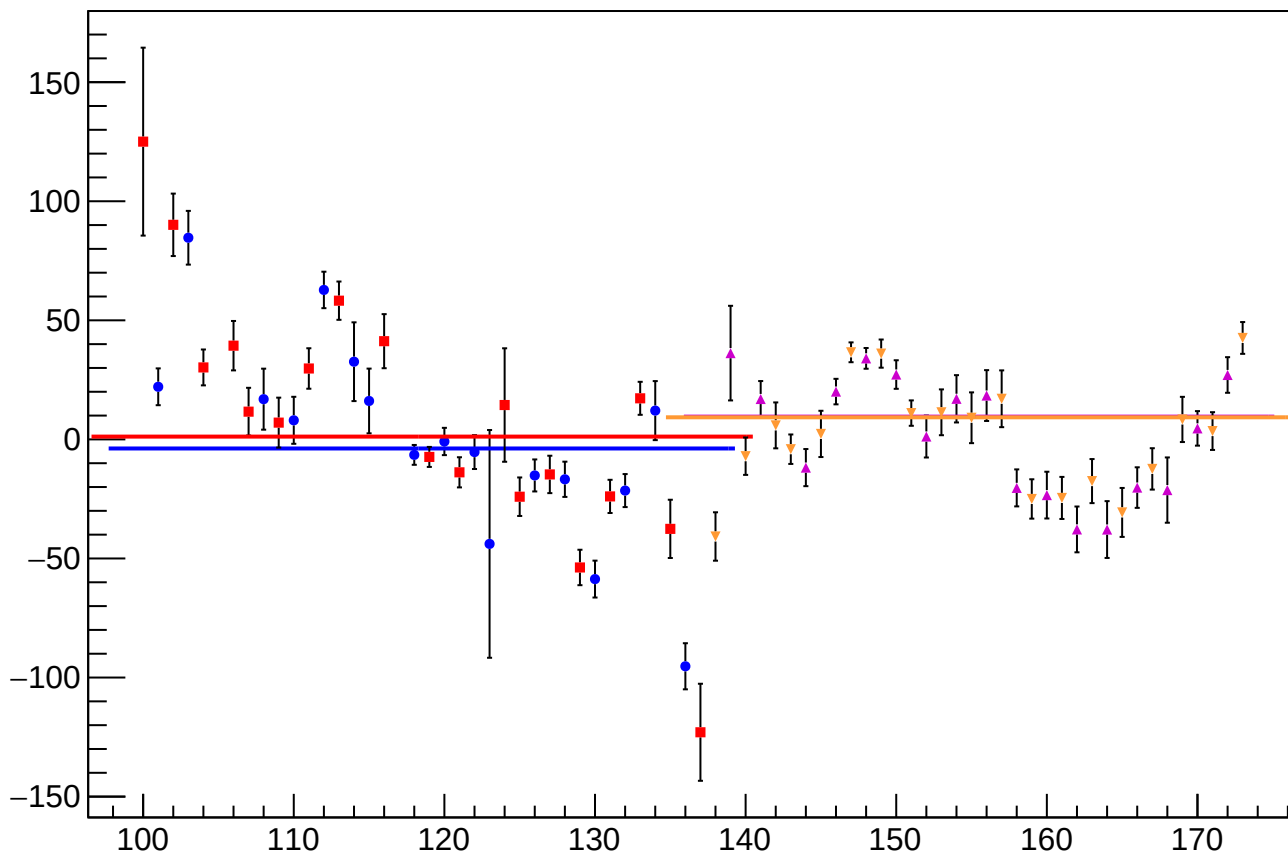
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -516.043+/-2.686 χ^2/NDF :719.3/16

Out: -472.872+/-2.521 χ^2/NDF :3339.0/18

All: -493.090+/-1.838 χ^2/NDF : 4195.7/35

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 9.276 ± 1.733 χ^2/NDF : 185.0/18

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

Left In: 9.561 ± 1.874 χ^2/NDF : 146.0/16

Left: 9.408 ± 1.273 χ^2/NDF : 331.0/35

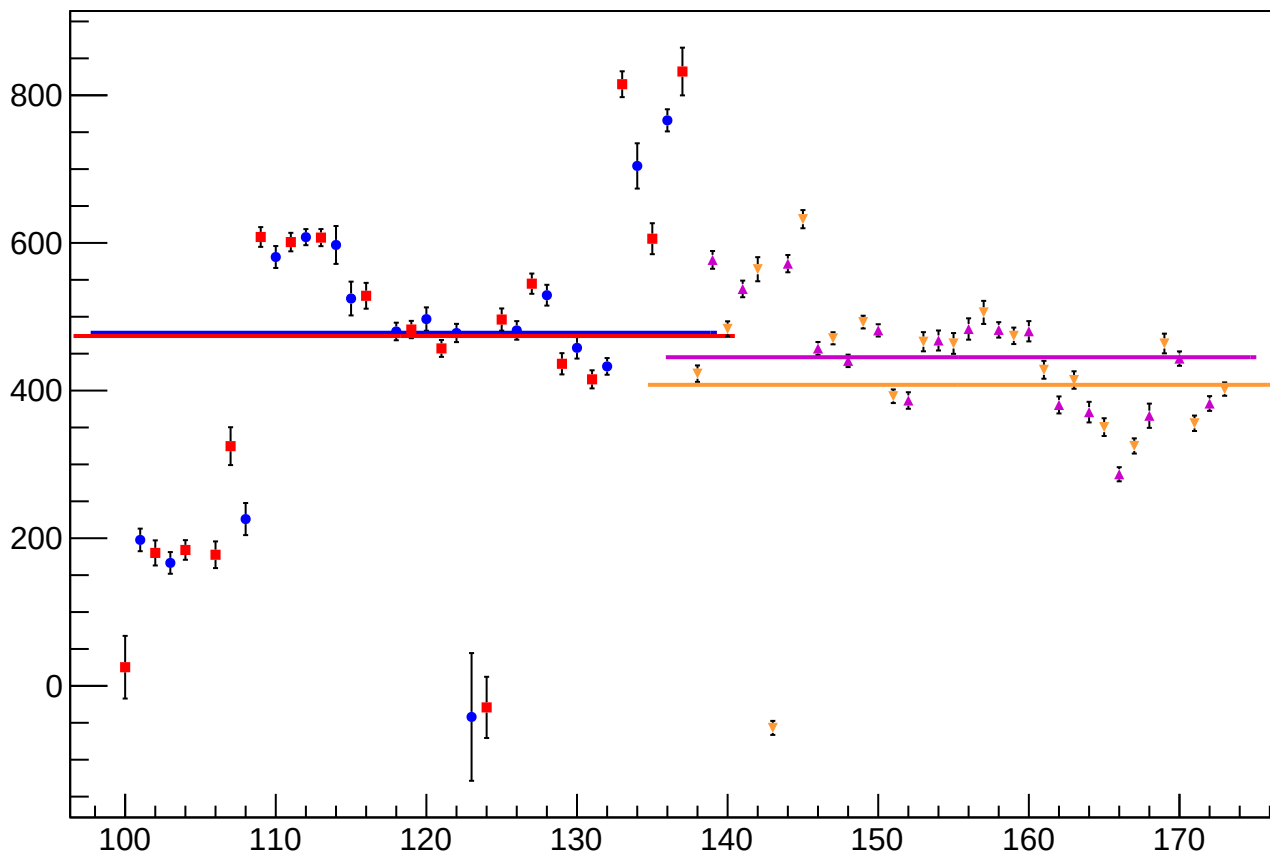
Right: -1.308 ± 1.356 χ^2/NDF : 621.6/35

In: 3.044 ± 1.342 χ^2/NDF : 485.1/33

Out: 5.626 ± 1.285 χ^2/NDF : 498.7/37

All: 4.391 ± 0.928 χ^2/NDF : 985.8/71

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 407.803 $\pm$ 2.505 χ^2 /NDF:3277.1/18

Right Out: 473.902 $\pm$ 3.531 χ^2 /NDF: 2285.0/18

Left In: 445.183 $\pm$ 2.636 χ^2 /NDF:778.1/16

Left: 425.542 $\pm$ 1.816 χ^2 /NDF: 4160.9/35

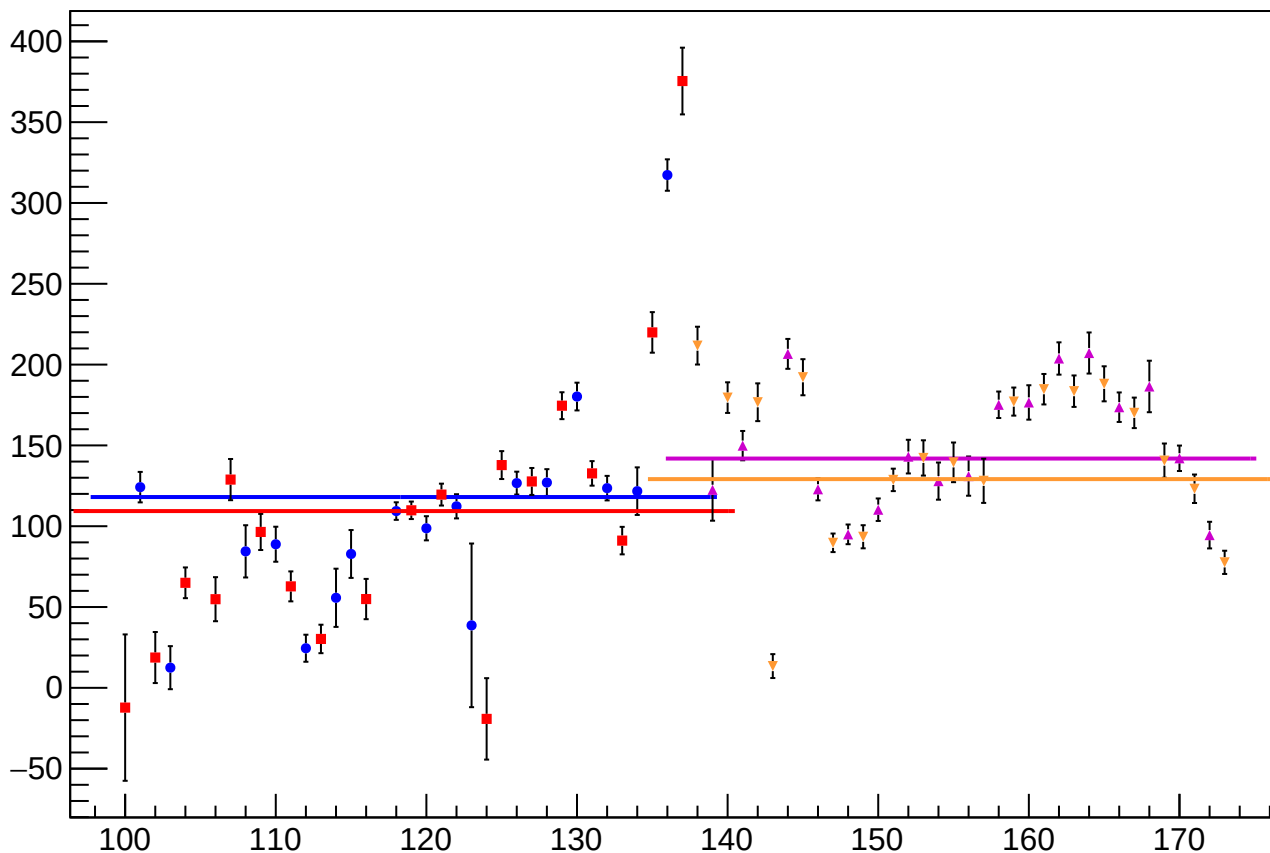
Right: 476.038 $\pm$ 2.542 χ^2 /NDF: 3914.6/35

In: 456.495 $\pm$ 2.139 χ^2 /NDF:2460.9/33

Out: 429.930 $\pm$ 2.043 χ^2 /NDF:5795.2/37

All: 442.601 $\pm$ 1.477 χ^2 /NDF: 8336.8/71

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 $\pm$ 2.225 χ^2/NDF : 705.3/16

Left Out: 129.144 $\pm$ 2.045 χ^2/NDF : 643.6/18

Right Out: 109.367 $\pm$ 2.205 χ^2/NDF : 569.8/18

Left In: 141.863 $\pm$ 2.205 χ^2/NDF : 285.7/16

Left: 135.026 $\pm$ 1.499 χ^2/NDF : 947.1/35

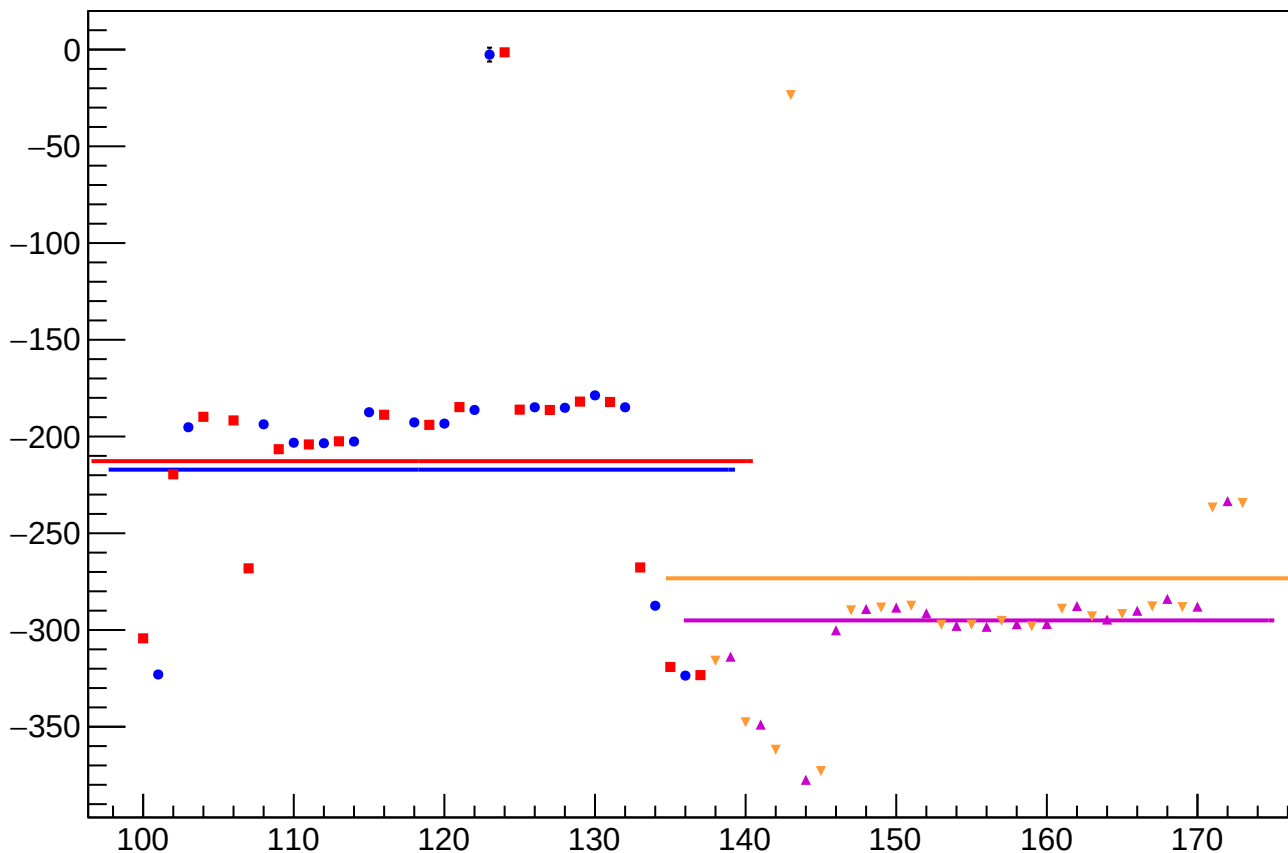
Right: 113.671 $\pm$ 1.566 χ^2/NDF : 1282.8/35

In: 130.069 $\pm$ 1.566 χ^2/NDF : 1048.8/33

Out: 119.998 $\pm$ 1.499 χ^2/NDF : 1256.6/37

All: 124.814 $\pm$ 1.083 χ^2/NDF : 2327.0/71

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -273.277 ± 0.099 $\chi^2/\text{NDF}: 574549.1/18$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

Left In: -295.040 ± 0.104 $\chi^2/\text{NDF}: 74101.6/16$

Left: -283.609 ± 0.072 $\chi^2/\text{NDF}: 671612.2/35$

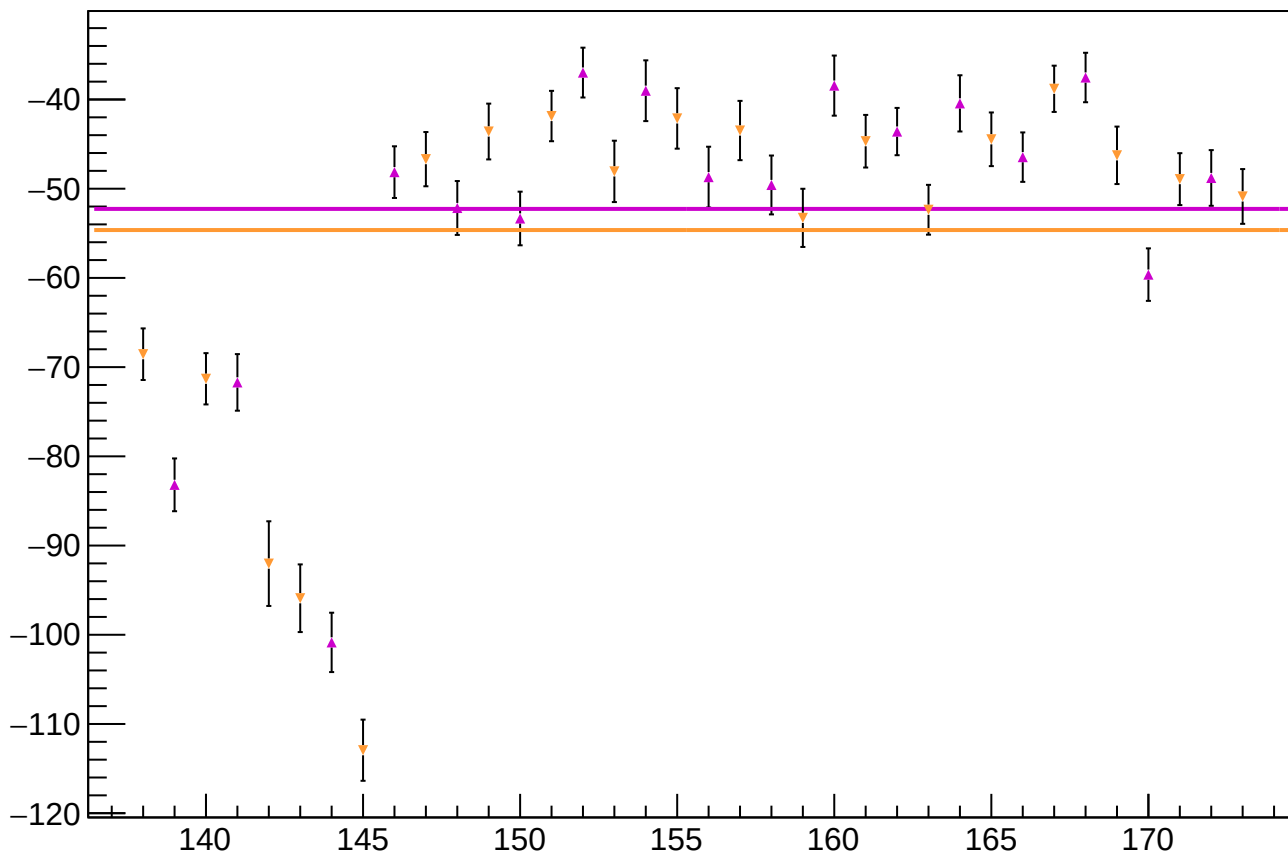
Right: -214.812 ± 0.094 $\chi^2/\text{NDF}: 262670.9/35$

In: -266.411 ± 0.083 $\chi^2/\text{NDF}: 426567.3/33$

Out: -251.097 ± 0.079 $\chi^2/\text{NDF}: 827286.7/37$

All: -258.375 ± 0.057 $\chi^2/\text{NDF}: 1271810.8/71$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



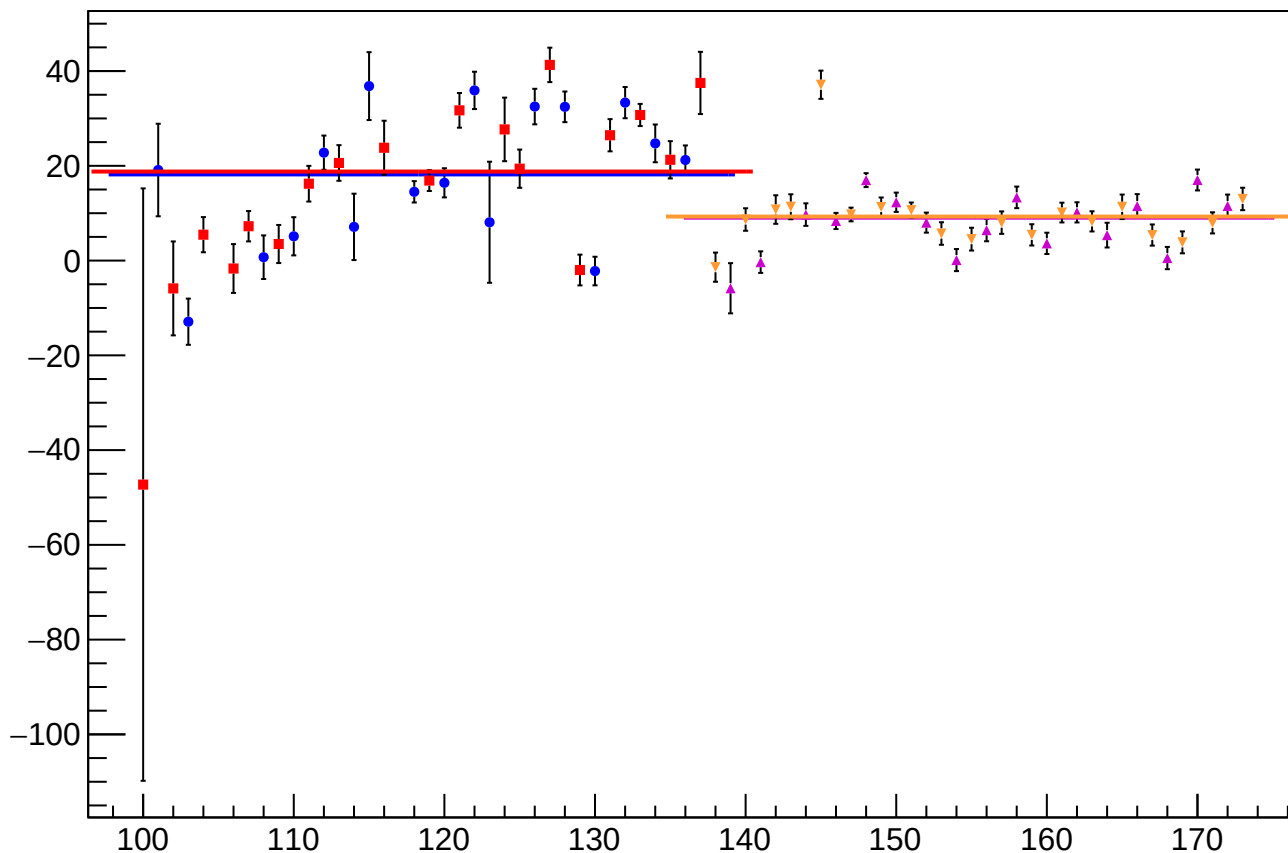
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -54.634+/-0.715 χ^2/NDF : 667.9/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -52.264+/-0.736 χ^2/NDF : 490.9/16

Left: -53.484+/-0.513 χ^2/NDF : 1164.1/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -52.264+/-0.736 χ^2/NDF : 490.9/16
 Out: -54.634+/-0.715 χ^2/NDF : 667.9/18

All: -53.484+/-0.513 χ^2/NDF : 1164.1/35

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 $\pm$ 0.917 χ^2 /NDF: 204.9/16

Left Out: 9.294 $\pm$ 0.509 χ^2 /NDF:123.7/18

Right Out: 18.791 $\pm$ 0.863 χ^2 /NDF: 198.8/18

Left In: 9.057 $\pm$ 0.533 χ^2 /NDF:112.9/16

Left: 9.181 $\pm$ 0.368 χ^2 /NDF: 236.7/35

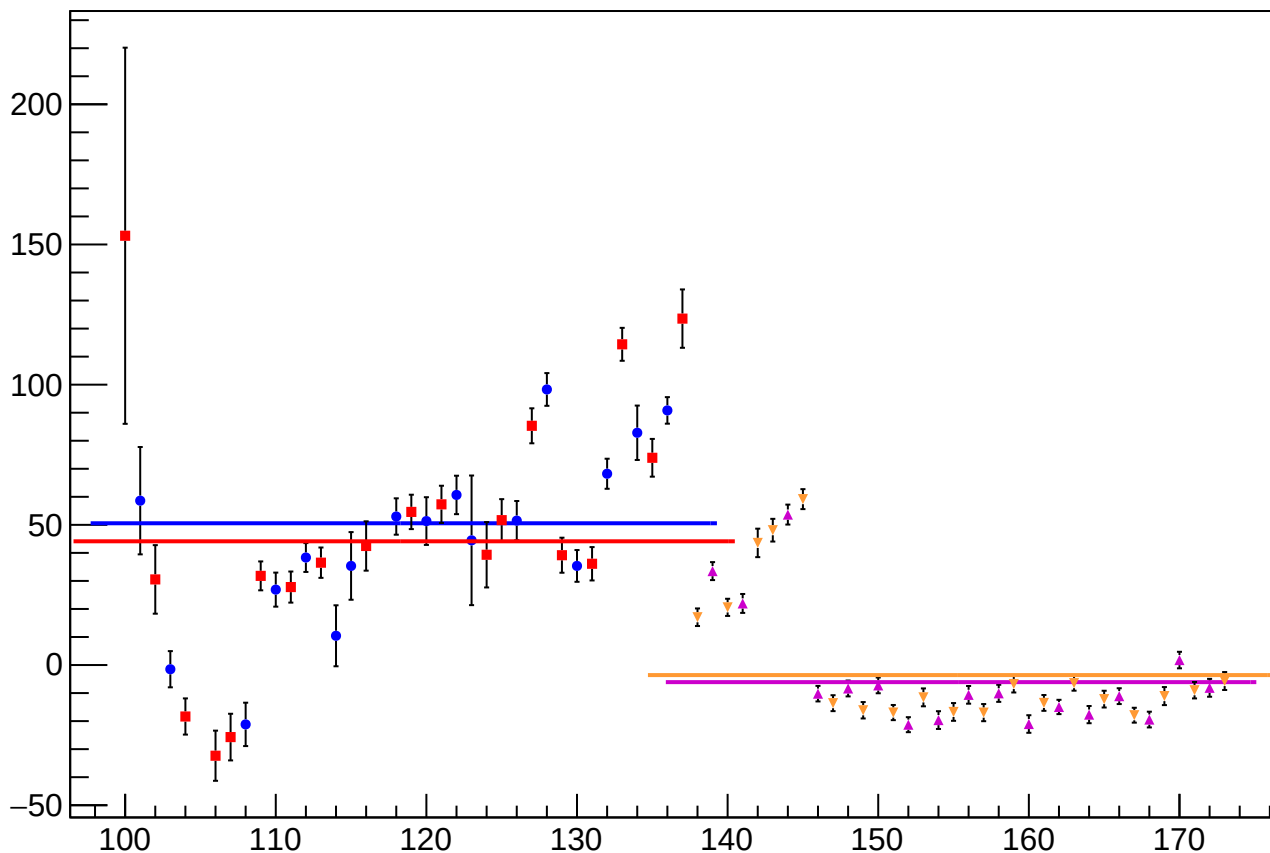
Right: 18.508 $\pm$ 0.628 χ^2 /NDF: 403.9/35

In: 11.364 $\pm$ 0.461 χ^2 /NDF:391.8/33

Out: 11.746 $\pm$ 0.438 χ^2 /NDF:412.4/37

All: 11.565 $\pm$ 0.318 χ^2 /NDF: 804.5/71

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565 $\pm$ 1.678 χ^2 /NDF: 357.9/16

Left Out: -3.584 $\pm$ 0.706 χ^2 /NDF:824.4/18

Right Out: 44.132 $\pm$ 1.603 χ^2 /NDF: 532.5/18

Left In: -6.098 $\pm$ 0.722 χ^2 /NDF:643.4/16

Left: -4.813 $\pm$ 0.505 χ^2 /NDF: 1474.1/35

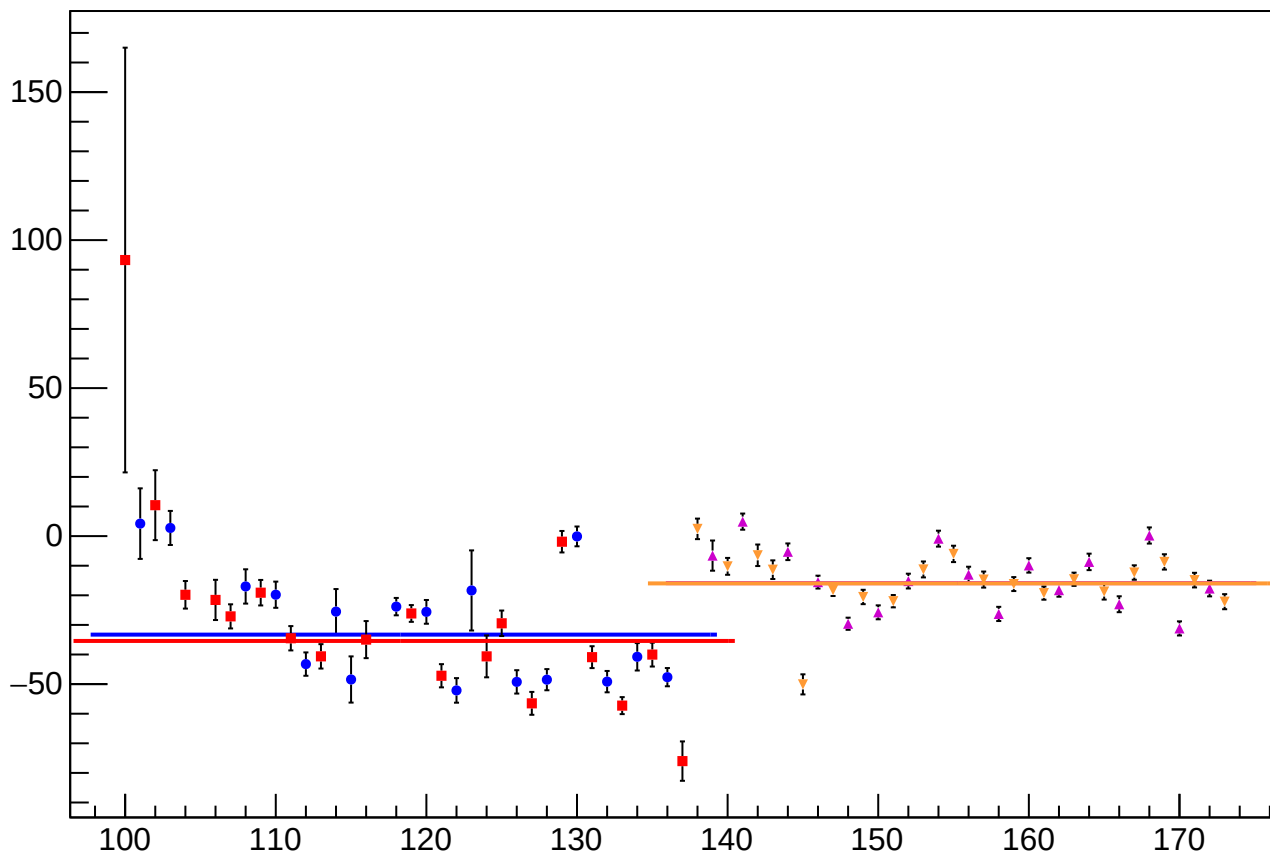
Right: 47.201 $\pm$ 1.159 χ^2 /NDF: 898.2/35

In: 2.749 $\pm$ 0.663 χ^2 /NDF:1964.1/33

Out: 4.168 $\pm$ 0.646 χ^2 /NDF:2099.6/37

All: 3.477 $\pm$ 0.463 χ^2 /NDF: 4066.0/71

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -15.977 ± 0.590 χ^2/NDF : 191.3/18

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

Left In: -15.887 ± 0.617 χ^2/NDF : 286.0/16

Left: -15.934 ± 0.426 χ^2/NDF : 477.3/35

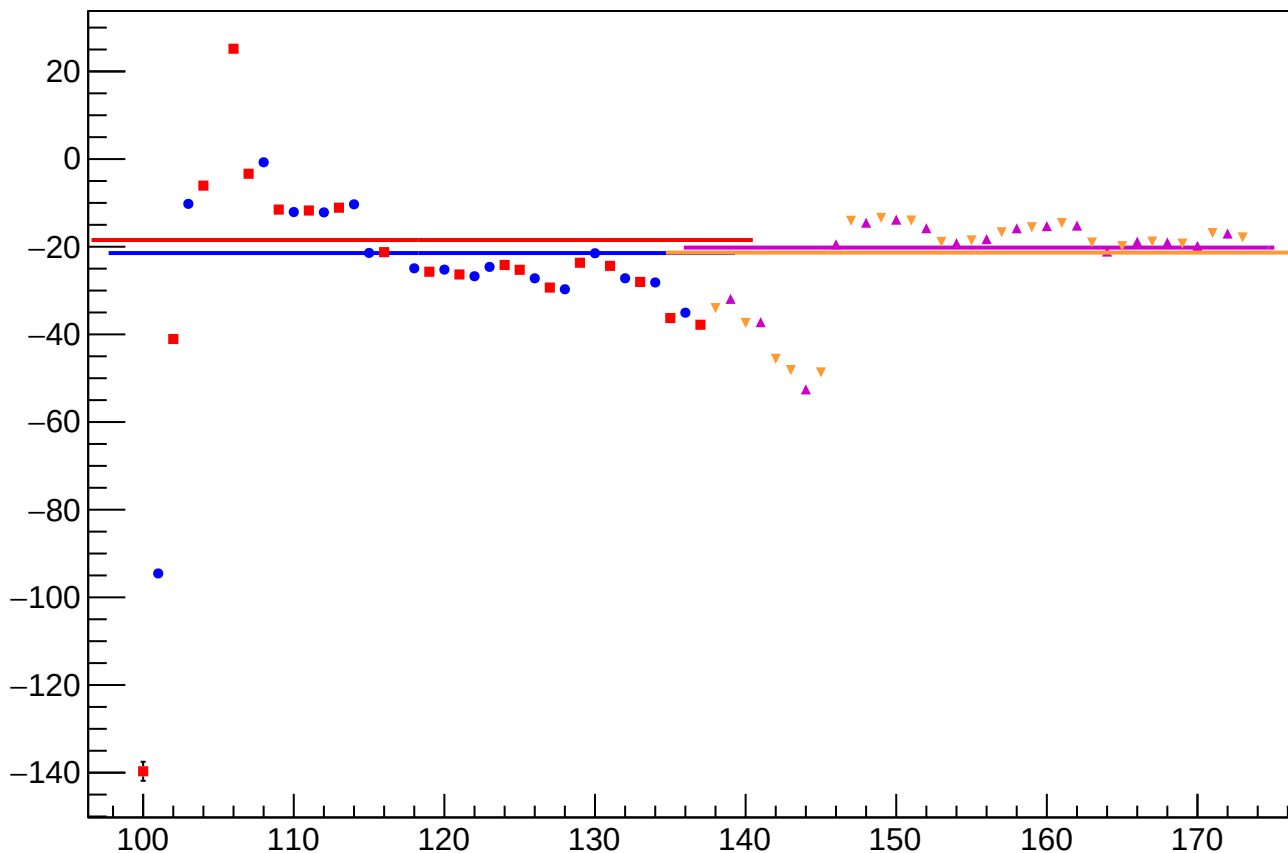
Right: -34.404 ± 0.719 χ^2/NDF : 582.0/35

In: -20.390 ± 0.531 χ^2/NDF : 782.0/33

Out: -21.057 ± 0.507 χ^2/NDF : 765.1/37

All: -20.739 ± 0.367 χ^2/NDF : 1547.9/71

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -21.442 ± 0.059 $\chi^2/\text{NDF}: 48968.5/16$

Left Out: -21.342 ± 0.027 $\chi^2/\text{NDF}: 129660.6/18$

Right Out: -18.463 ± 0.057 $\chi^2/\text{NDF}: 80470.6/18$

Left In: -20.195 ± 0.028 $\chi^2/\text{NDF}: 83964.8/16$

Left: -20.783 ± 0.020 $\chi^2/\text{NDF}: 214482.8/35$

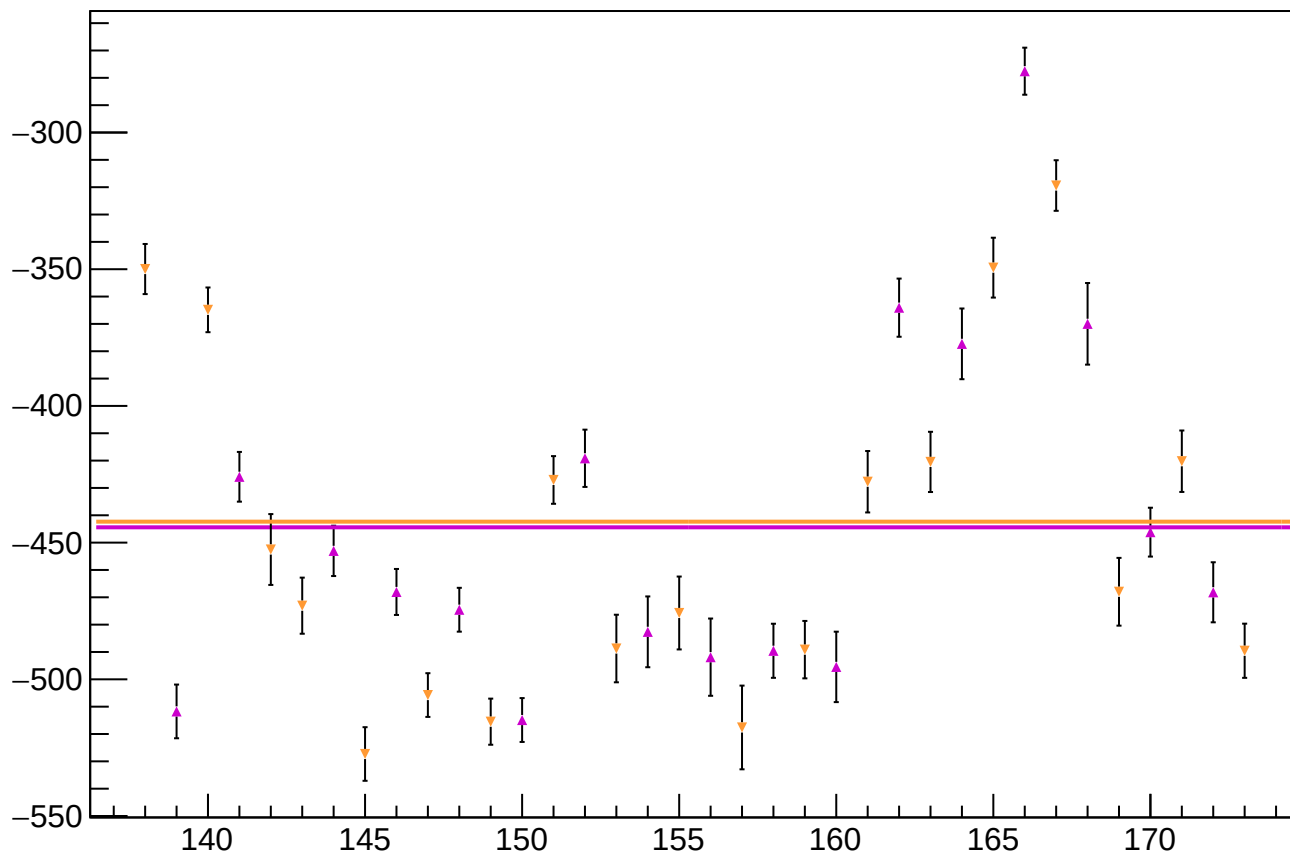
Right: -19.914 ± 0.041 $\chi^2/\text{NDF}: 130751.2/35$

In: -20.425 ± 0.025 $\chi^2/\text{NDF}: 133298.7/33$

Out: -20.809 ± 0.025 $\chi^2/\text{NDF}: 212181.9/37$

All: -20.622 ± 0.018 $\chi^2/\text{NDF}: 345598.4/71$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -442.332+/-2.345 χ^2/NDF : 766.9/18

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

Left In: -444.406+/-2.429 χ^2/NDF : 702.9/16

Left: -443.333+/-1.687 χ^2/NDF : 1470.2/35

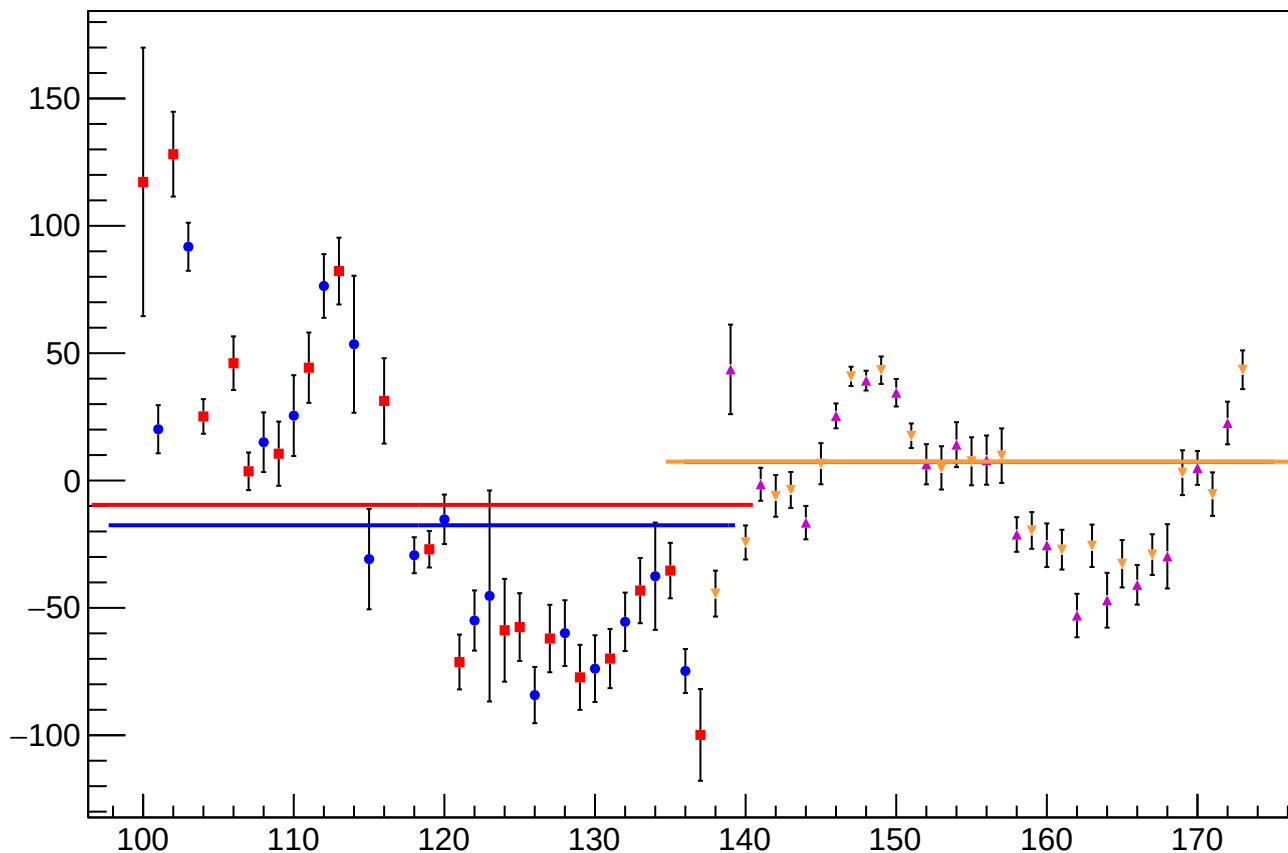
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -444.406+/-2.429 χ^2/NDF : 702.9/16

Out: -442.332+/-2.345 χ^2/NDF : 766.9/18

All: -443.333+/-1.687 χ^2/NDF : 1470.2/35

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 7.430 ± 1.607 χ^2/NDF : 301.6/18

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

Left In: 7.359 ± 1.691 χ^2/NDF : 284.4/16

Left: 7.396 ± 1.165 χ^2/NDF : 585.9/35

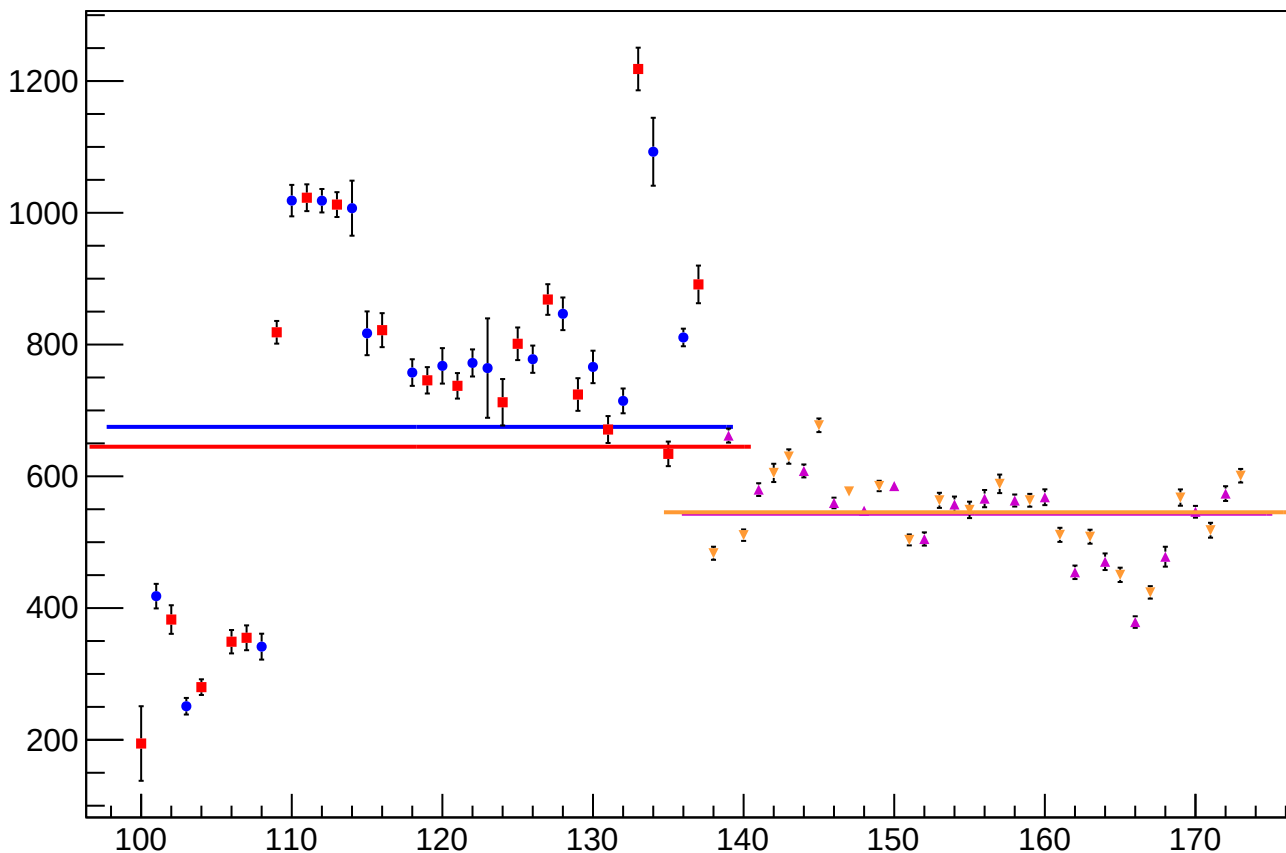
Right: -13.243 ± 1.915 χ^2/NDF : 738.4/35

In: 0.769 ± 1.450 χ^2/NDF : 705.5/33

Out: 2.761 ± 1.368 χ^2/NDF : 702.5/37

All: 1.823 ± 0.995 χ^2/NDF : 1409.1/71

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 545.416 $\pm$ 2.323 χ^2 /NDF:682.3/18

Right Out: 644.915 $\pm$ 4.761 χ^2 /NDF: 3122.2/18

Left In: 543.200 $\pm$ 2.383 χ^2 /NDF:733.1/16

Left: 544.336 $\pm$ 1.663 χ^2 /NDF: 1415.8/35

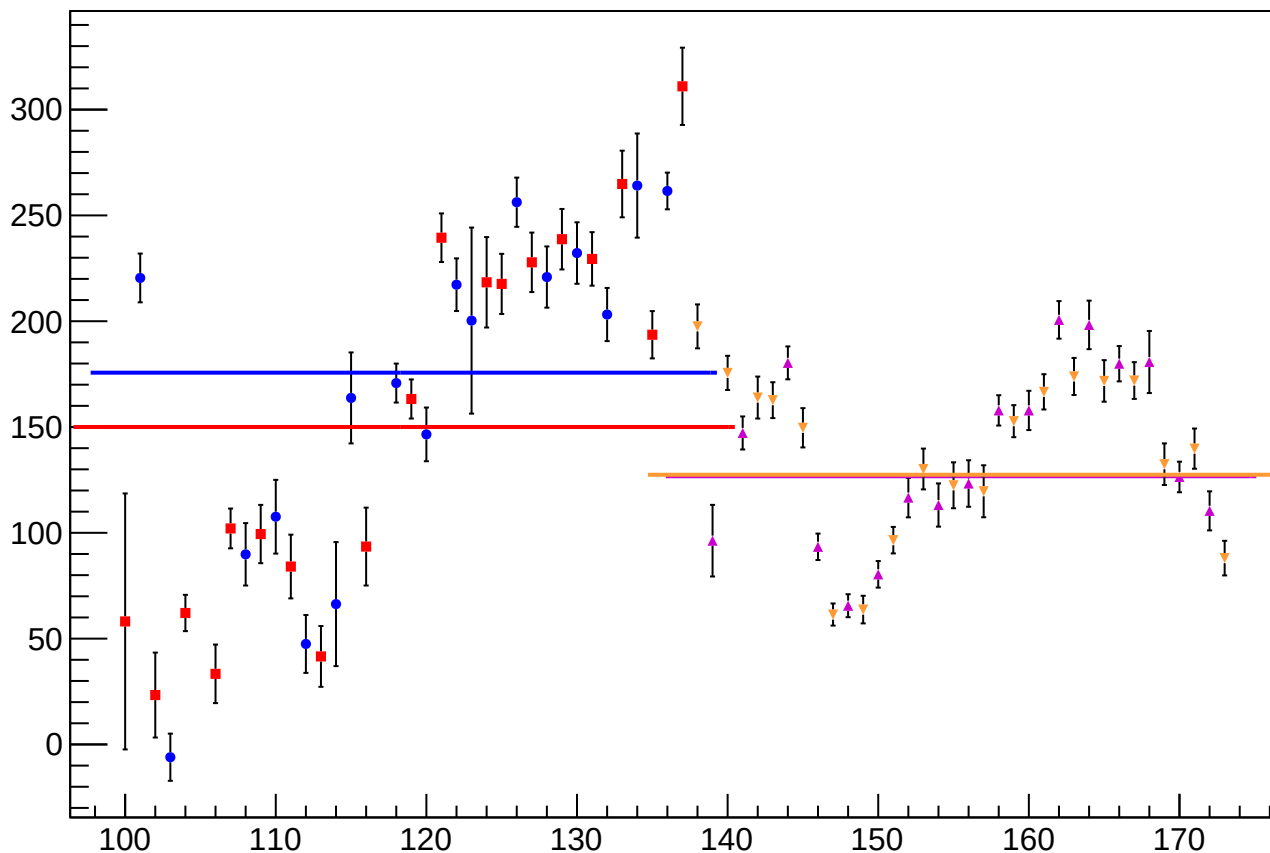
Right: 659.042 $\pm$ 3.470 χ^2 /NDF: 5725.3/35

In: 567.076 $\pm$ 2.156 χ^2 /NDF:3871.8/33

Out: 564.548 $\pm$ 2.088 χ^2 /NDF:4157.2/37

All: 565.771 $\pm$ 1.500 χ^2 /NDF: 8029.7/71

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 ± 3.239 $\chi^2/\text{NDF}: 637.9/16$

Left Out: 127.446 ± 1.901 $\chi^2/\text{NDF}: 531.2/18$

Right Out: 150.017 ± 3.042 $\chi^2/\text{NDF}: 693.8/18$

Left In: 126.739 ± 1.992 $\chi^2/\text{NDF}: 466.0/16$

Left: 127.109 ± 1.375 $\chi^2/\text{NDF}: 997.2/35$

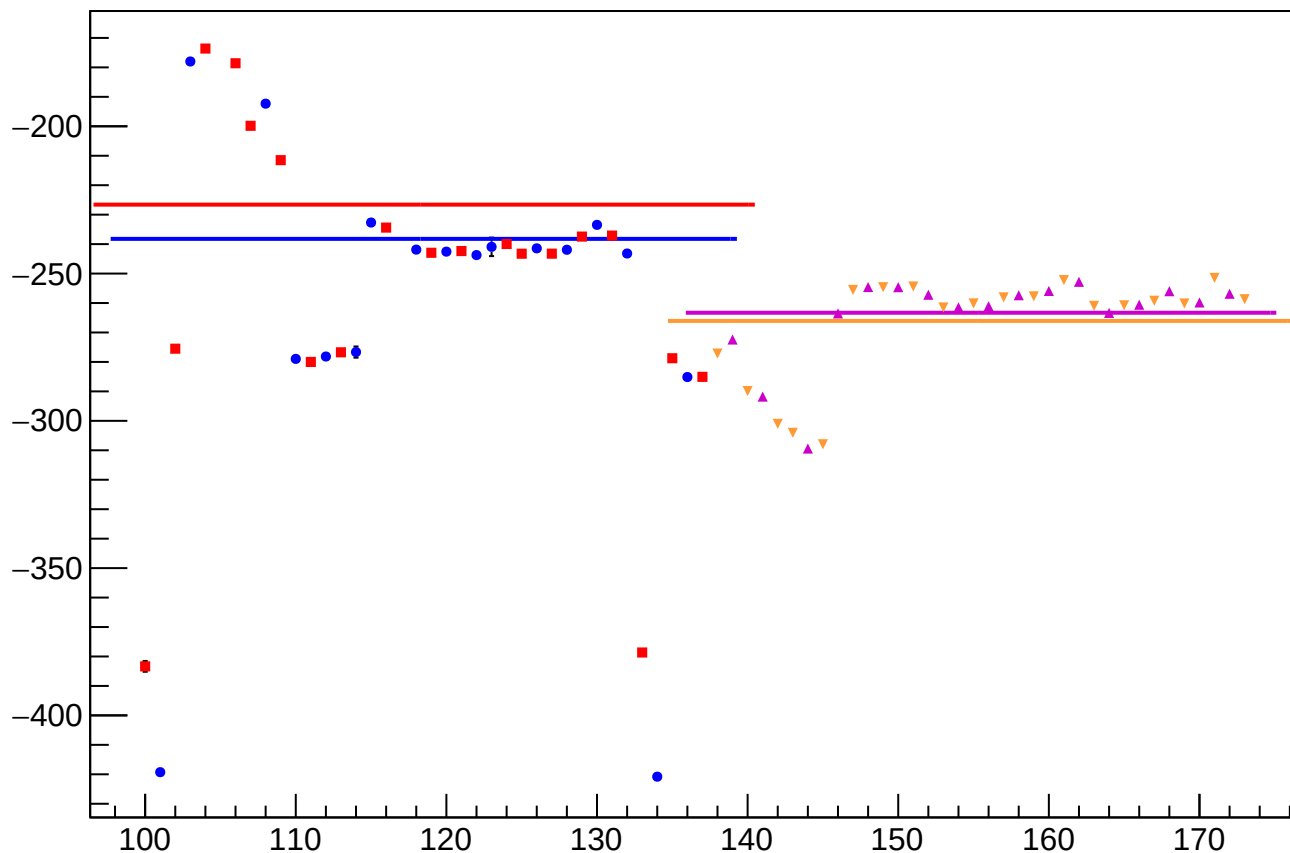
Right: 162.048 ± 2.217 $\chi^2/\text{NDF}: 1365.0/35$

In: 140.175 ± 1.697 $\chi^2/\text{NDF}: 1269.6/33$

Out: 133.785 ± 1.612 $\chi^2/\text{NDF}: 1264.5/37$

All: 136.817 ± 1.169 $\chi^2/\text{NDF}: 2541.5/71$

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217 ± 0.160 $\chi^2/\text{NDF}: 167120.0/16$

Left Out: -266.072 ± 0.092 $\chi^2/\text{NDF}: 34538.0/18$

Right Out: -226.597 ± 0.151 $\chi^2/\text{NDF}: 102562.3/18$

Left In: -263.299 ± 0.094 $\chi^2/\text{NDF}: 20988.8/16$

Left: -264.717 ± 0.066 $\chi^2/\text{NDF}: 55968.5/35$

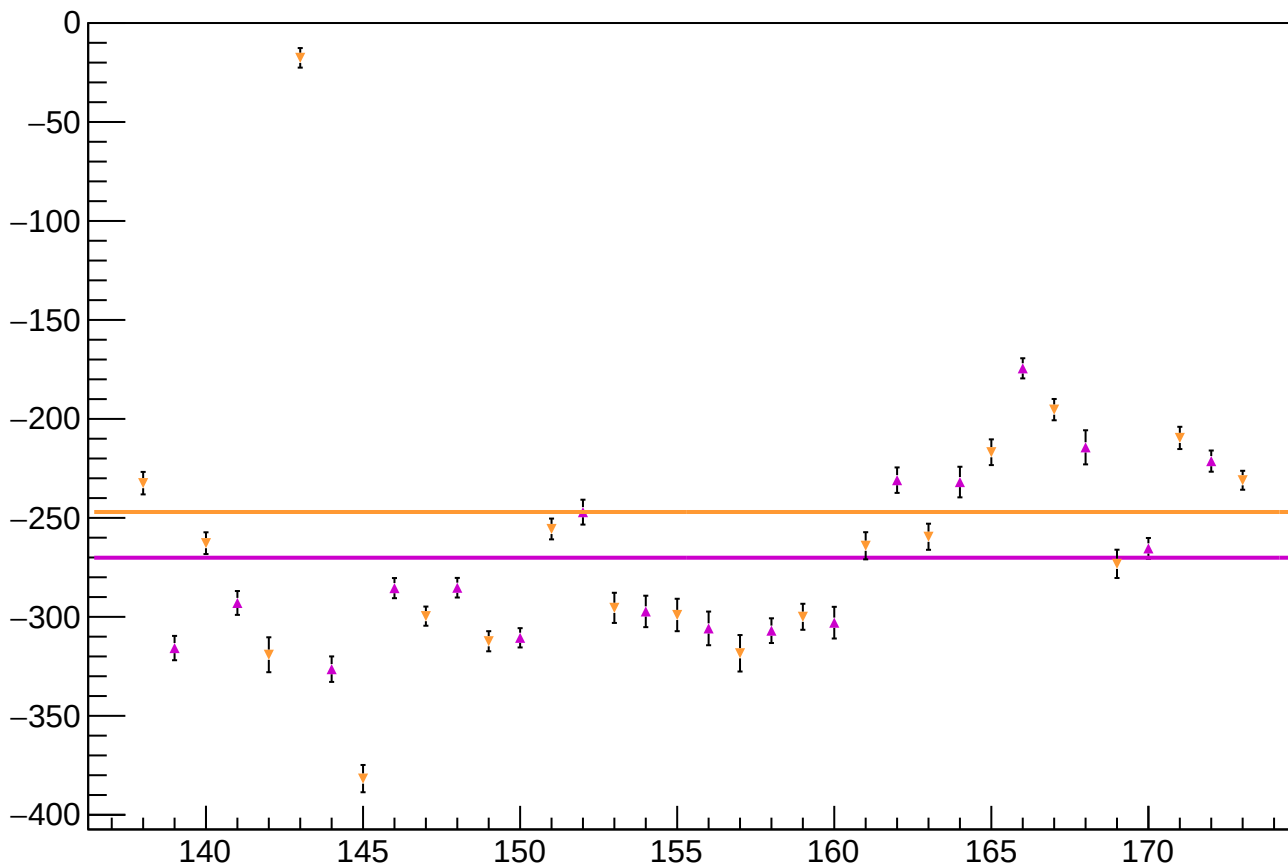
Right: -232.063 ± 0.110 $\chi^2/\text{NDF}: 272459.7/35$

In: -256.854 ± 0.081 $\chi^2/\text{NDF}: 206264.6/33$

Out: -255.373 ± 0.079 $\chi^2/\text{NDF}: 186768.9/37$

All: -256.089 ± 0.057 $\chi^2/\text{NDF}: 393204.6/71$

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -247.024+/-1.385 χ^2/NDF :3299.6/18

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

Left In: -270.121+/-1.475 χ^2/NDF :868.7/16

Left: -257.853+/-1.010 χ^2/NDF : 4298.6/35

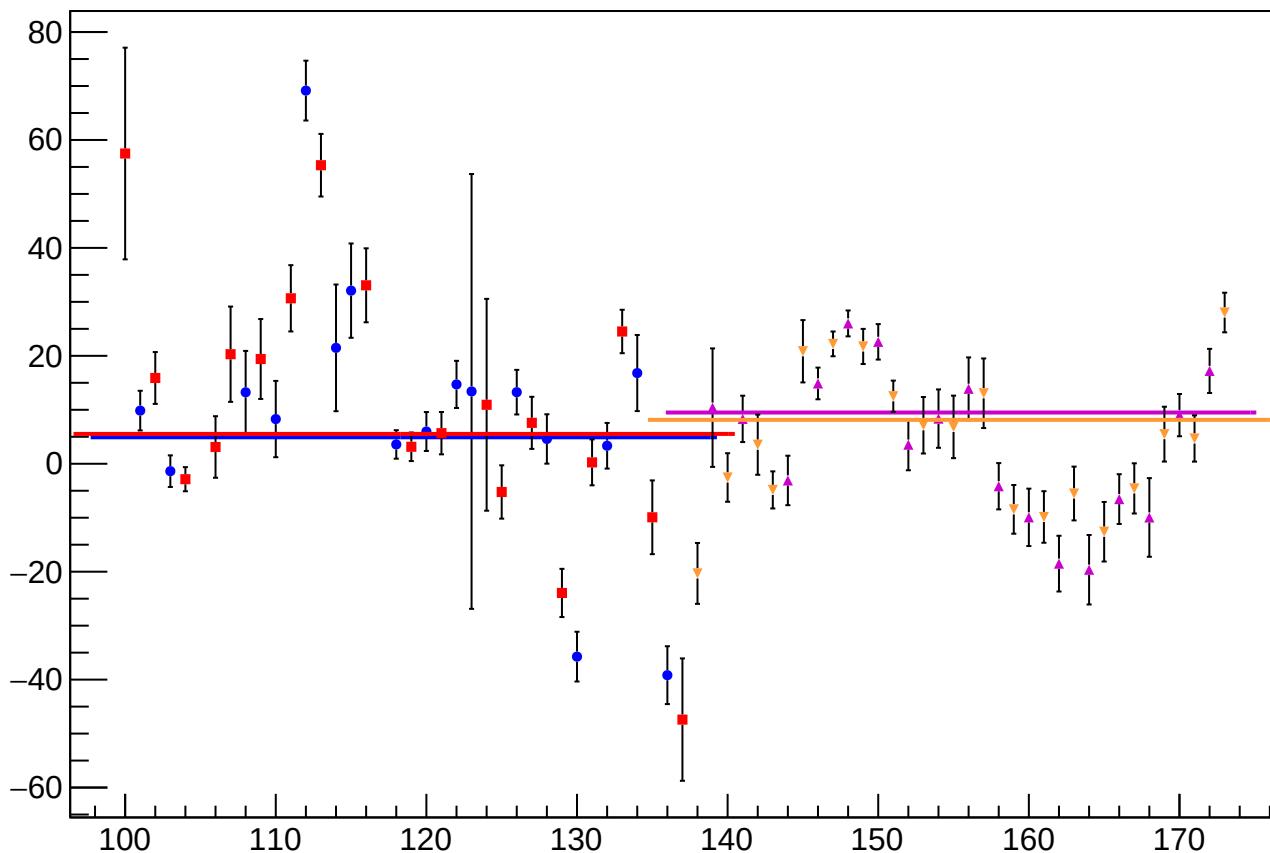
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -270.121+/-1.475 χ^2/NDF :868.7/16

Out: -247.024+/-1.385 χ^2/NDF :3299.6/18

All: -257.853+/-1.010 χ^2/NDF : 4298.6/35

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 ± 1.105 $\chi^2/\text{NDF}: 311.7/16$

Left Out: 8.136 ± 0.953 $\chi^2/\text{NDF}: 196.0/18$

Right Out: 5.530 ± 1.069 $\chi^2/\text{NDF}: 238.9/18$

Left In: 9.495 ± 1.030 $\chi^2/\text{NDF}: 172.6/16$

Left: 8.763 ± 0.699 $\chi^2/\text{NDF}: 369.5/35$

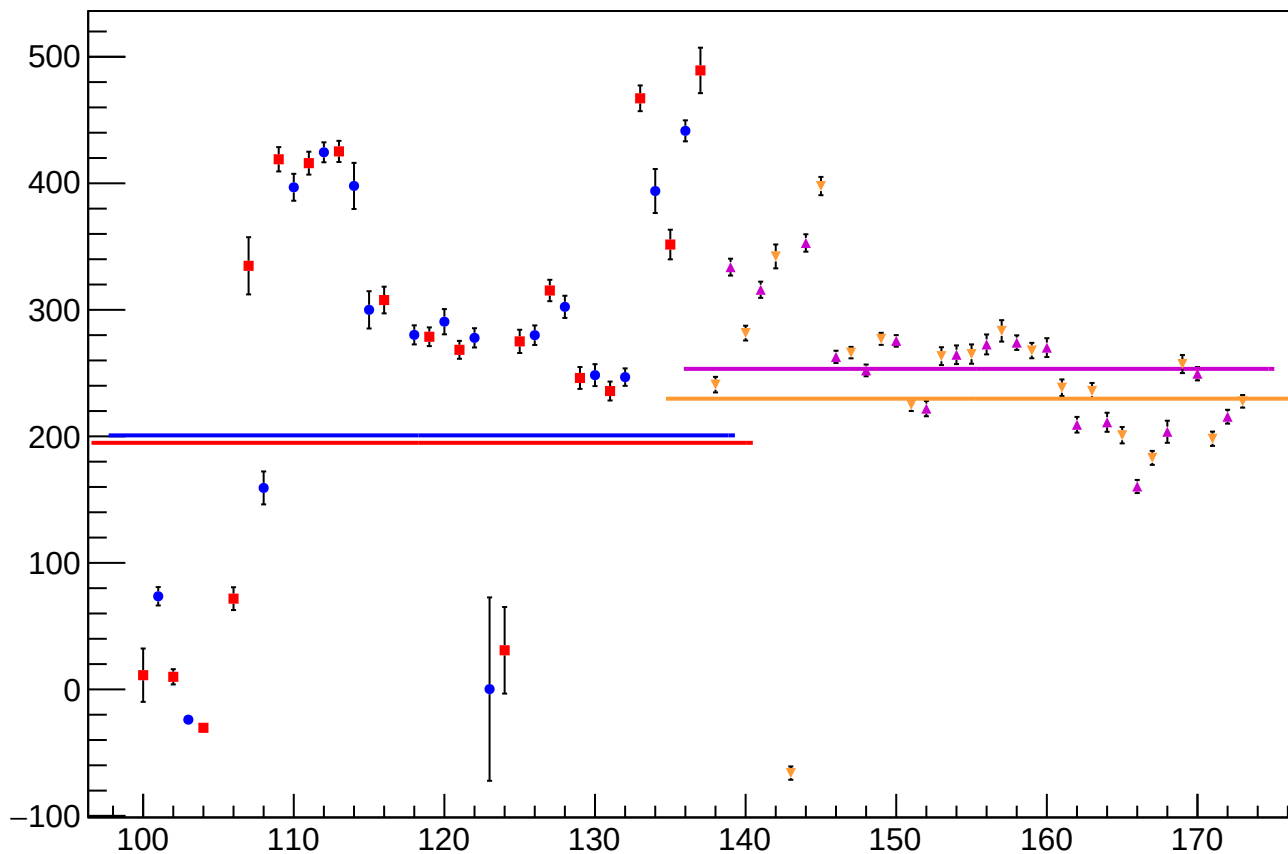
Right: 5.228 ± 0.768 $\chi^2/\text{NDF}: 550.7/35$

In: 7.362 ± 0.754 $\chi^2/\text{NDF}: 493.5/33$

Out: 6.981 ± 0.711 $\chi^2/\text{NDF}: 438.2/37$

All: 7.161 ± 0.517 $\chi^2/\text{NDF}: 931.8/71$

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 229.777 $\pm$ 1.375 χ^2 /NDF:4335.0/18

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

Left In: 253.346 $\pm$ 1.445 χ^2 /NDF:1015.3/16

Left: 240.971 $\pm$ 0.996 χ^2 /NDF: 5490.0/35

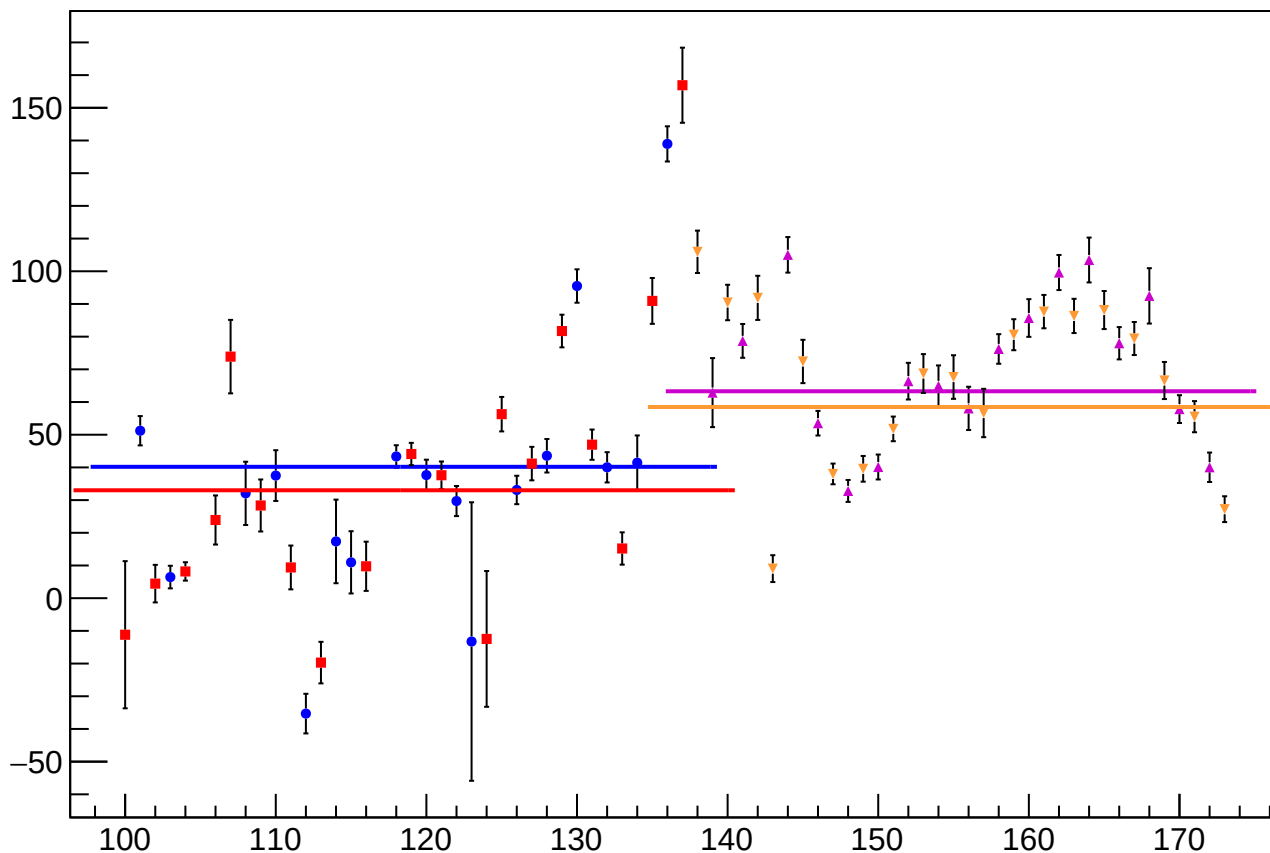
Right: 197.743 $\pm$ 1.381 χ^2 /NDF: 14984.6/35

In: 235.107 $\pm$ 1.168 χ^2 /NDF:8207.2/33

Out: 217.984 $\pm$ 1.119 χ^2 /NDF:12799.8/37

All: 226.174 $\pm$ 0.808 χ^2 /NDF: 21119.2/71

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185 $\pm$ 1.283 χ^2 /NDF: 734.6/16

Left Out: 58.475 $\pm$ 1.123 χ^2 /NDF:526.0/18

Right Out: 33.006 $\pm$ 1.250 χ^2 /NDF: 552.7/18

Left In: 63.294 $\pm$ 1.210 χ^2 /NDF:347.2/16

Left: 60.704 $\pm$ 0.823 χ^2 /NDF: 881.7/35

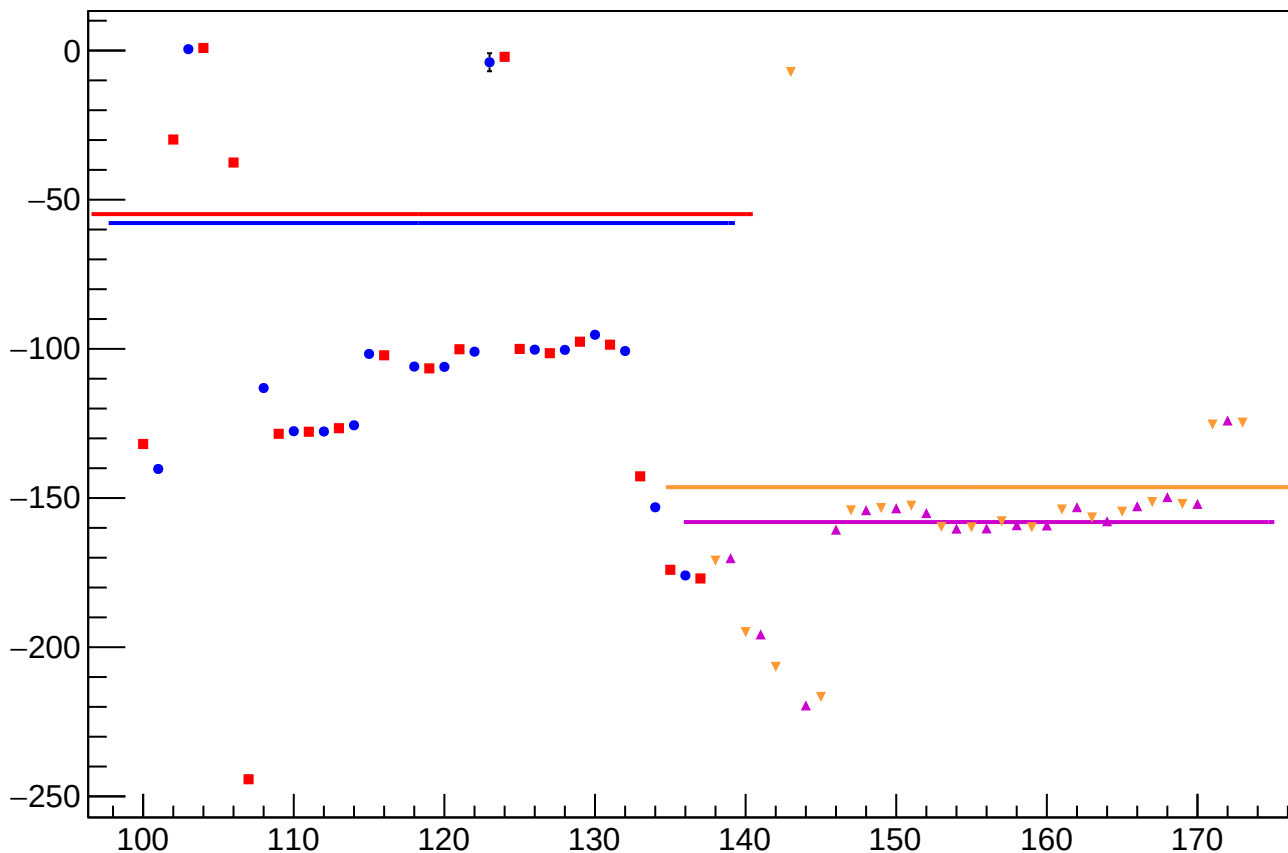
Right: 36.503 $\pm$ 0.896 χ^2 /NDF: 1303.3/35

In: 52.414 $\pm$ 0.880 χ^2 /NDF:1253.4/33

Out: 47.103 $\pm$ 0.835 χ^2 /NDF:1308.3/37

All: 49.619 $\pm$ 0.606 χ^2 /NDF: 2580.8/71

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821 ± 0.062 $\chi^2/\text{NDF}: 1101296.2/16$

Left Out: -146.355 ± 0.054 $\chi^2/\text{NDF}: 610213.7/18$

Right Out: -54.833 ± 0.060 $\chi^2/\text{NDF}: 1000741.7/18$

Left In: -158.049 ± 0.057 $\chi^2/\text{NDF}: 100043.0/16$

Left: -151.911 ± 0.039 $\chi^2/\text{NDF}: 732331.6/35$

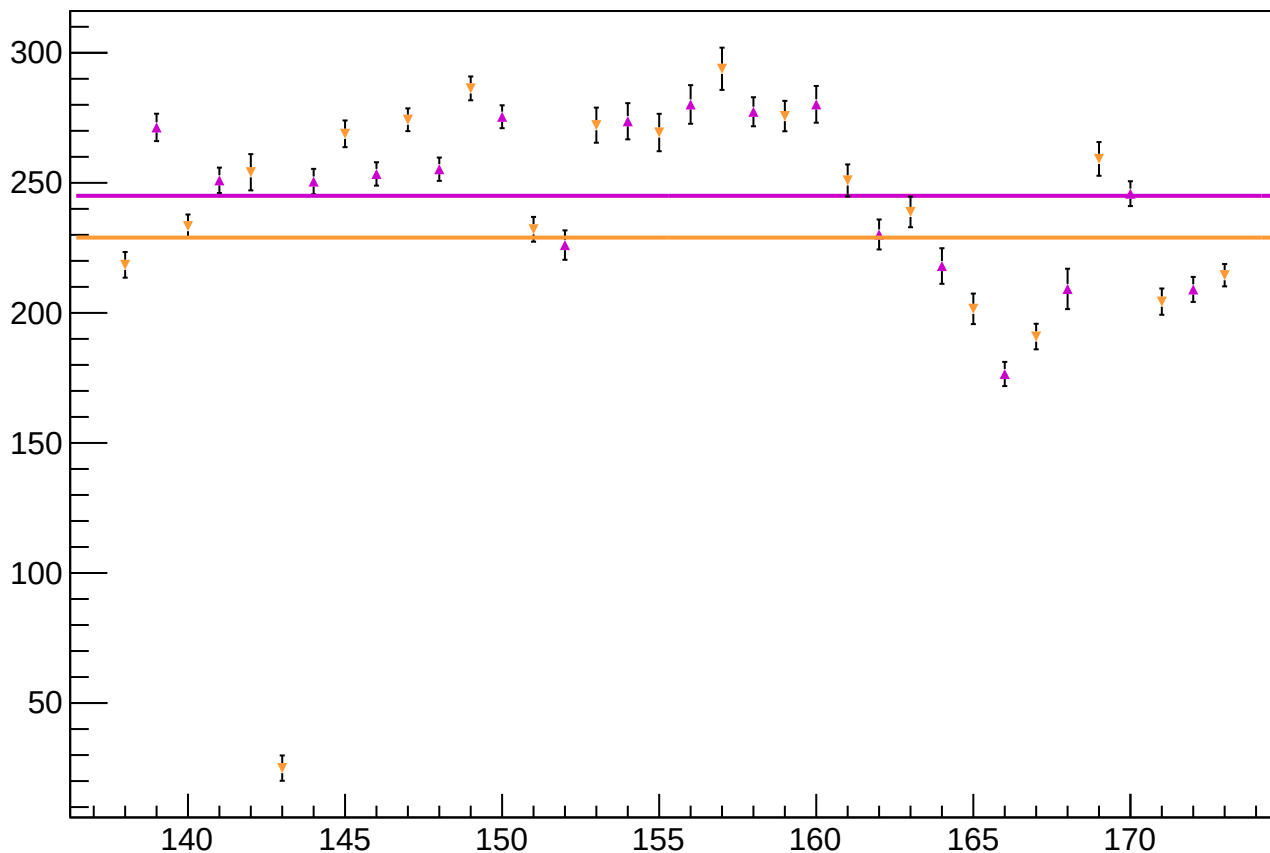
Right: -56.289 ± 0.043 $\chi^2/\text{NDF}: 2103236.7/35$

In: -111.949 ± 0.042 $\chi^2/\text{NDF}: 2622349.4/33$

Out: -105.367 ± 0.040 $\chi^2/\text{NDF}: 2885787.5/37$

All: -108.530 ± 0.029 $\chi^2/\text{NDF}: 5520950.5/71$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 228.955+/-1.227 χ^2/NDF :2451.7/18

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

Left In: 245.018+/-1.297 χ^2/NDF :509.3/16

Left: 236.542+/-0.892 χ^2/NDF : 3041.9/35

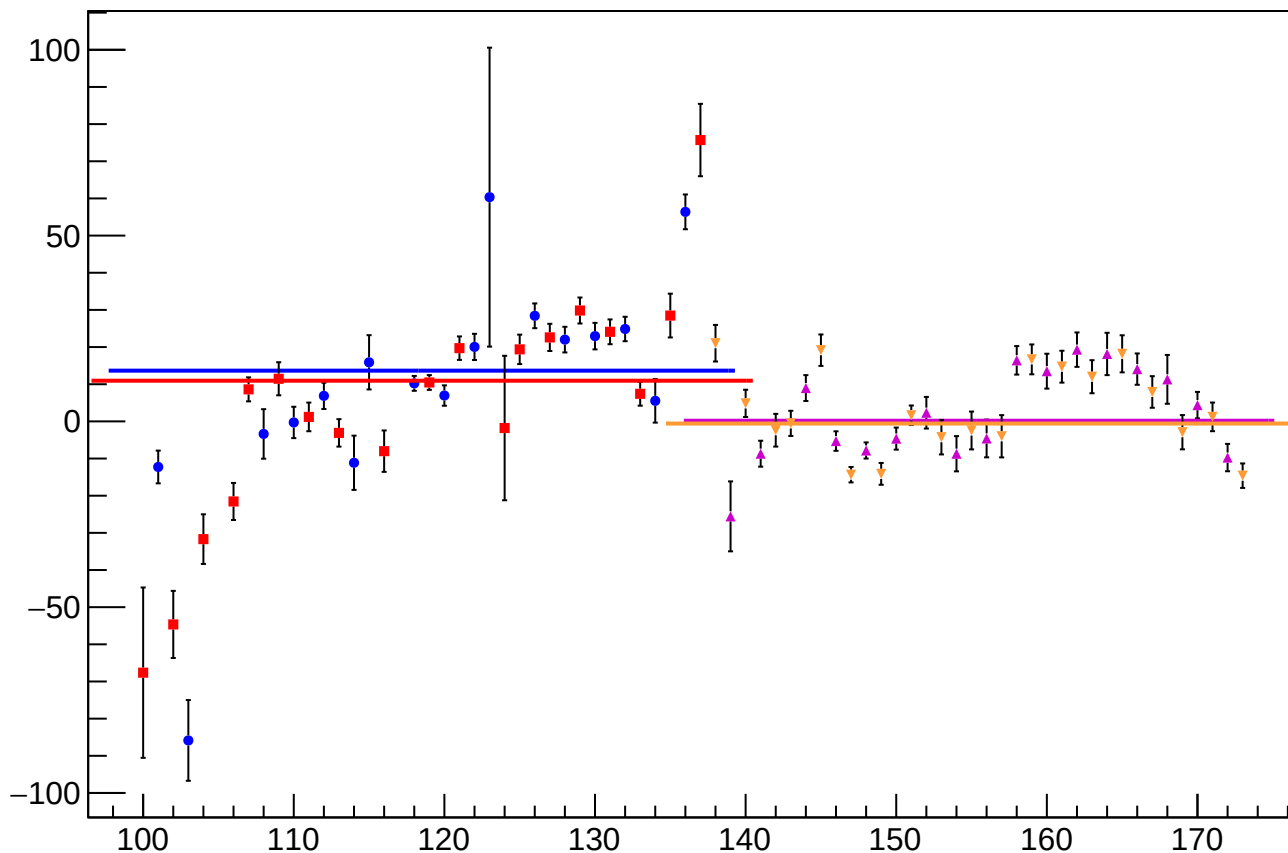
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 245.018+/-1.297 χ^2/NDF :509.3/16

Out: 228.955+/-1.227 χ^2/NDF :2451.7/18

All: 236.542+/-0.892 χ^2/NDF : 3041.9/35

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.652 ± 0.936 χ^2/NDF : 294.0/16

Left Out: -0.583 ± 0.849 χ^2/NDF : 186.5/18

Right Out: 10.944 ± 0.913 χ^2/NDF : 302.5/18

Left In: 0.175 ± 0.910 χ^2/NDF : 121.0/16

Left: -0.230 ± 0.621 χ^2/NDF : 307.8/35

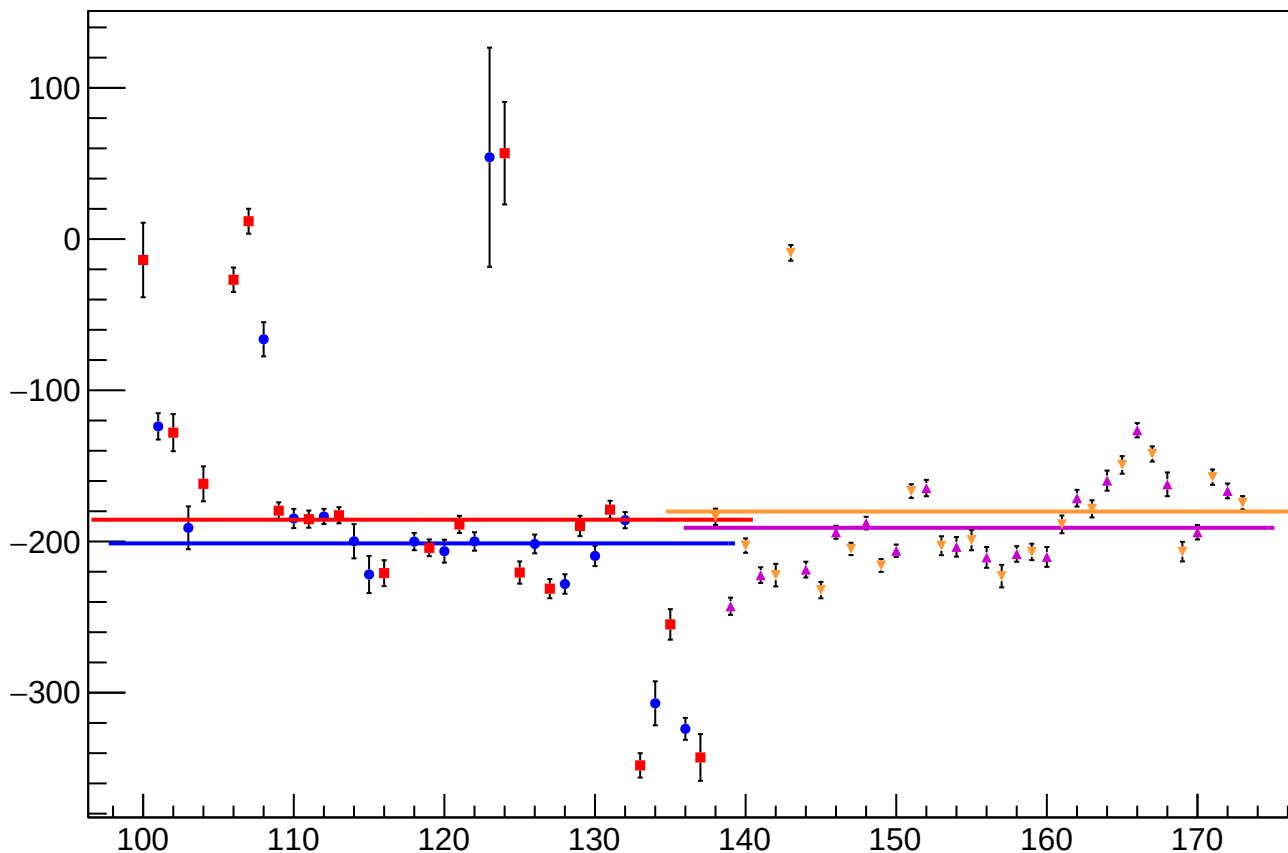
Right: 12.264 ± 0.654 χ^2/NDF : 600.9/35

In: 6.721 ± 0.652 χ^2/NDF : 521.5/33

Out: 4.761 ± 0.622 χ^2/NDF : 574.5/37

All: 5.694 ± 0.450 χ^2/NDF : 1100.8/71

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 $\chi^2/\text{NDF}: 623.4/16$

Left Out: -180.181 ± 1.220 $\chi^2/\text{NDF}: 1547.7/18$

Right Out: -185.593 ± 1.699 $\chi^2/\text{NDF}: 1746.0/18$

Left In: -190.953 ± 1.275 $\chi^2/\text{NDF}: 475.3/16$

Left: -185.330 ± 0.882 $\chi^2/\text{NDF}: 2060.2/35$

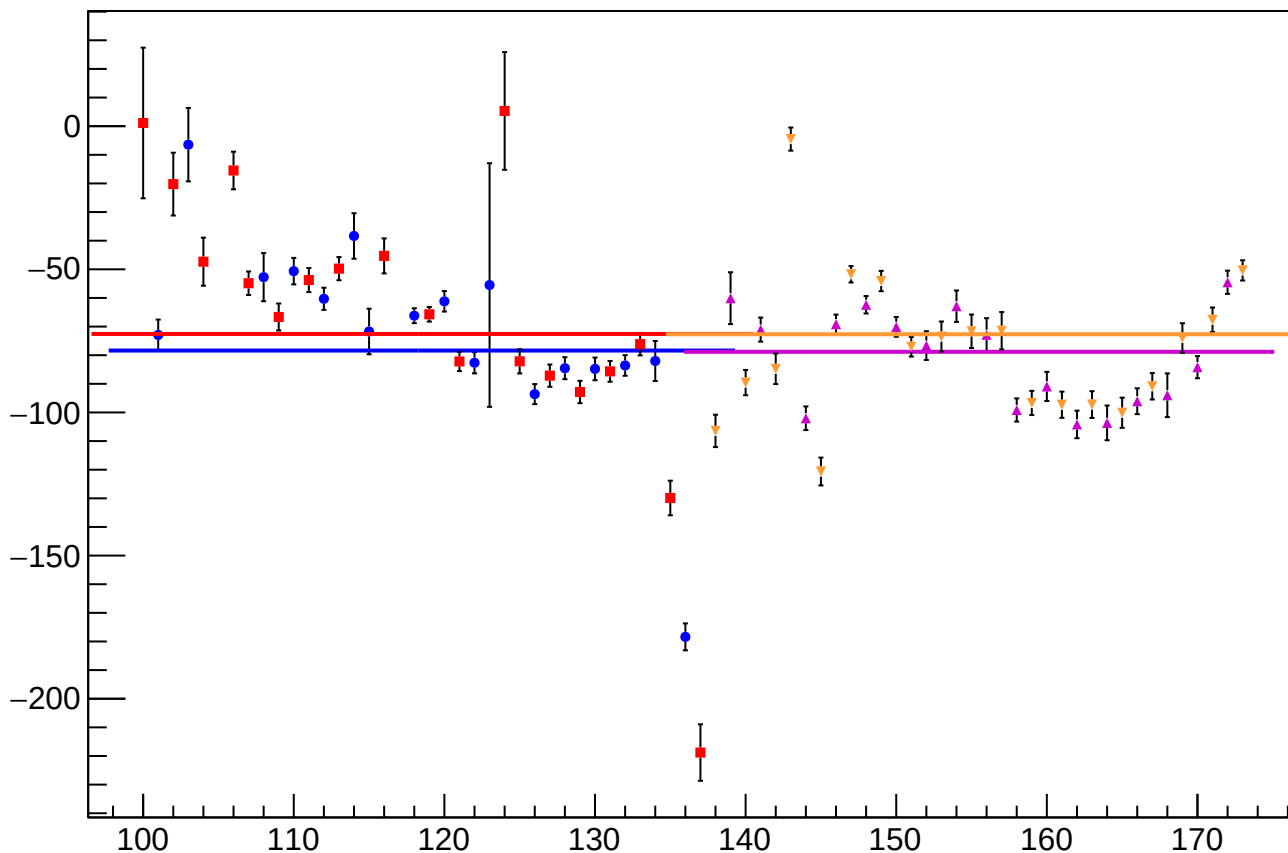
Right: -192.999 ± 1.234 $\chi^2/\text{NDF}: 2409.6/35$

In: -194.411 ± 1.040 $\chi^2/\text{NDF}: 1120.6/33$

Out: -182.022 ± 0.991 $\chi^2/\text{NDF}: 3300.4/37$

All: -187.921 ± 0.717 $\chi^2/\text{NDF}: 4495.5/71$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -72.681 ± 1.000 χ^2/NDF : 691.8/18

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

Left In: -78.812 ± 1.069 χ^2/NDF : 224.7/16

Left: -75.542 ± 0.730 χ^2/NDF : 934.0/35

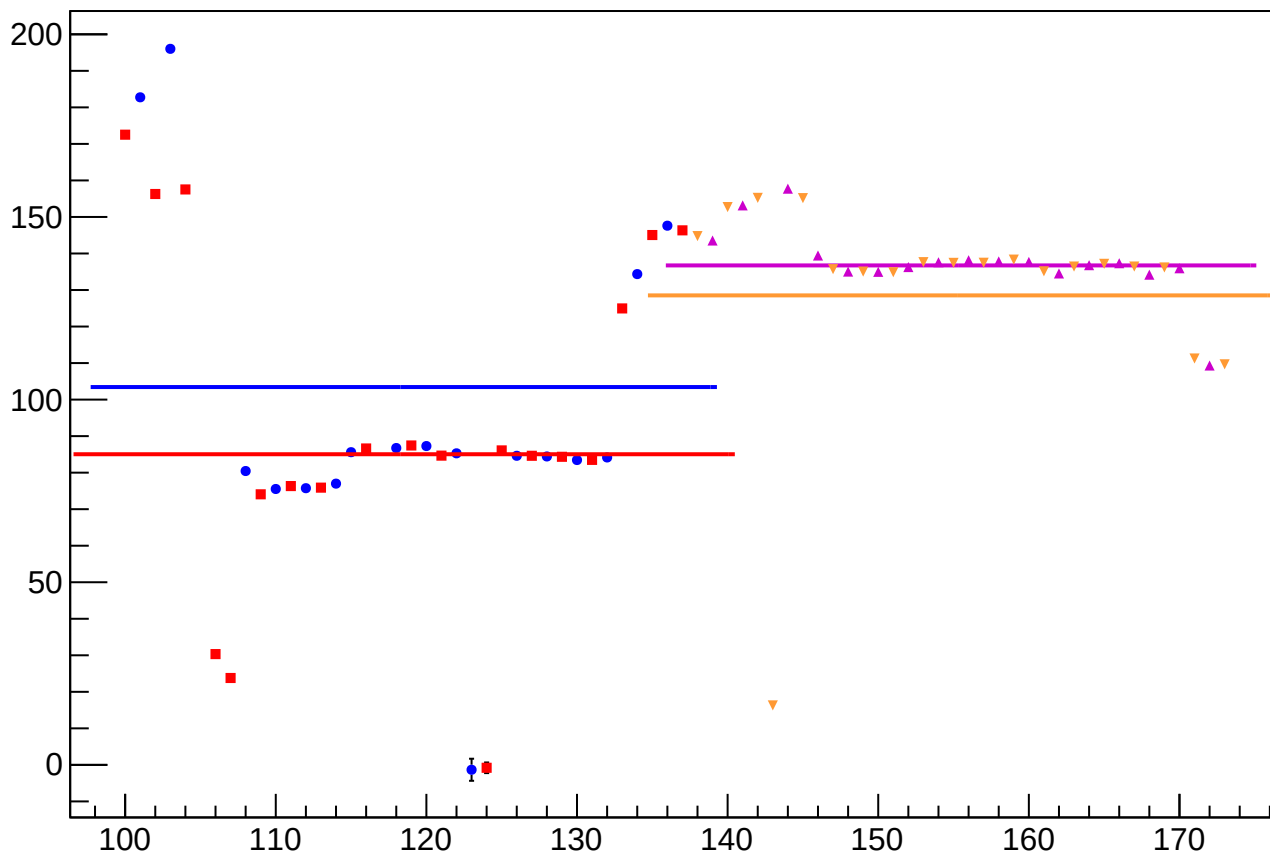
Right: -75.395 ± 0.754 χ^2/NDF : 1272.0/35

In: -78.597 ± 0.760 χ^2/NDF : 876.1/33

Out: -72.632 ± 0.725 χ^2/NDF : 1297.7/37

All: -75.471 ± 0.524 χ^2/NDF : 2206.0/71

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 128.529 $\pm$ 0.048 χ^2 /NDF: 373560.1/18

Right Out: 85.043 $\pm$ 0.064 χ^2 /NDF: 422343.0/18

Left In: 136.734 $\pm$ 0.050 χ^2 /NDF: 41085.4/16

Left: 132.449 $\pm$ 0.035 χ^2 /NDF: 428526.3/35

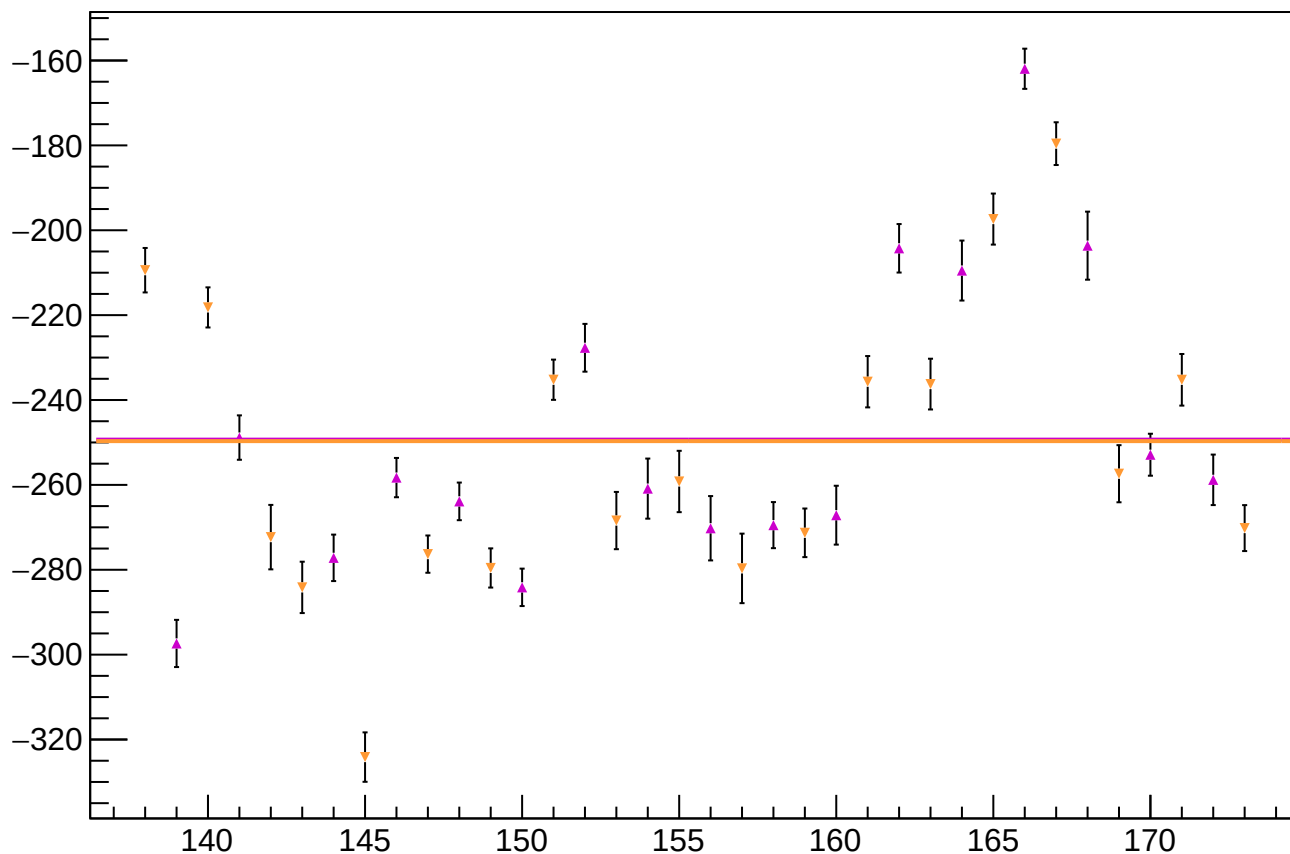
Right: 93.267 $\pm$ 0.047 χ^2 /NDF: 732362.9/35

In: 125.572 $\pm$ 0.041 χ^2 /NDF: 460589.7/33

Out: 112.737 $\pm$ 0.038 χ^2 /NDF: 1092323.9/37

All: 118.731 $\pm$ 0.028 χ^2 /NDF: 1605057.1/71

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -249.686+/-1.301 χ^2/NDF : 734.4/18

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

Left In: -249.339+/-1.343 χ^2/NDF : 692.9/16

Left: -249.518+/-0.934 χ^2/NDF : 1427.4/35

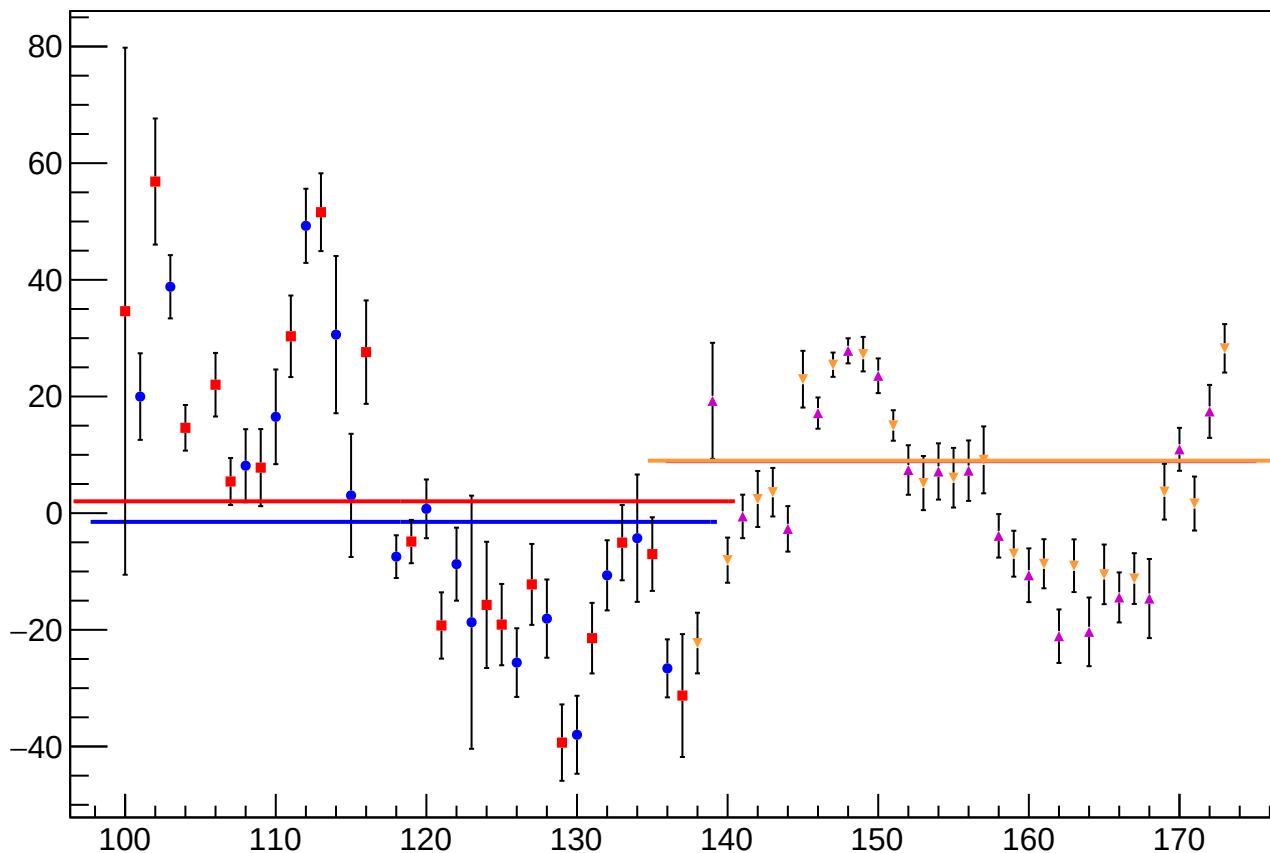
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -249.339+/-1.343 χ^2/NDF : 692.9/16

Out: -249.686+/-1.301 χ^2/NDF : 734.4/18

All: -249.518+/-0.934 χ^2/NDF : 1427.4/35

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 $\chi^2/\text{NDF}: 226.0/16$

Left Out: 8.997 ± 0.890 $\chi^2/\text{NDF}: 285.8/18$

Right Out: 2.028 ± 1.400 $\chi^2/\text{NDF}: 233.3/18$

Left In: 8.918 ± 0.934 $\chi^2/\text{NDF}: 270.7/16$

Left: 8.960 ± 0.644 $\chi^2/\text{NDF}: 556.5/35$

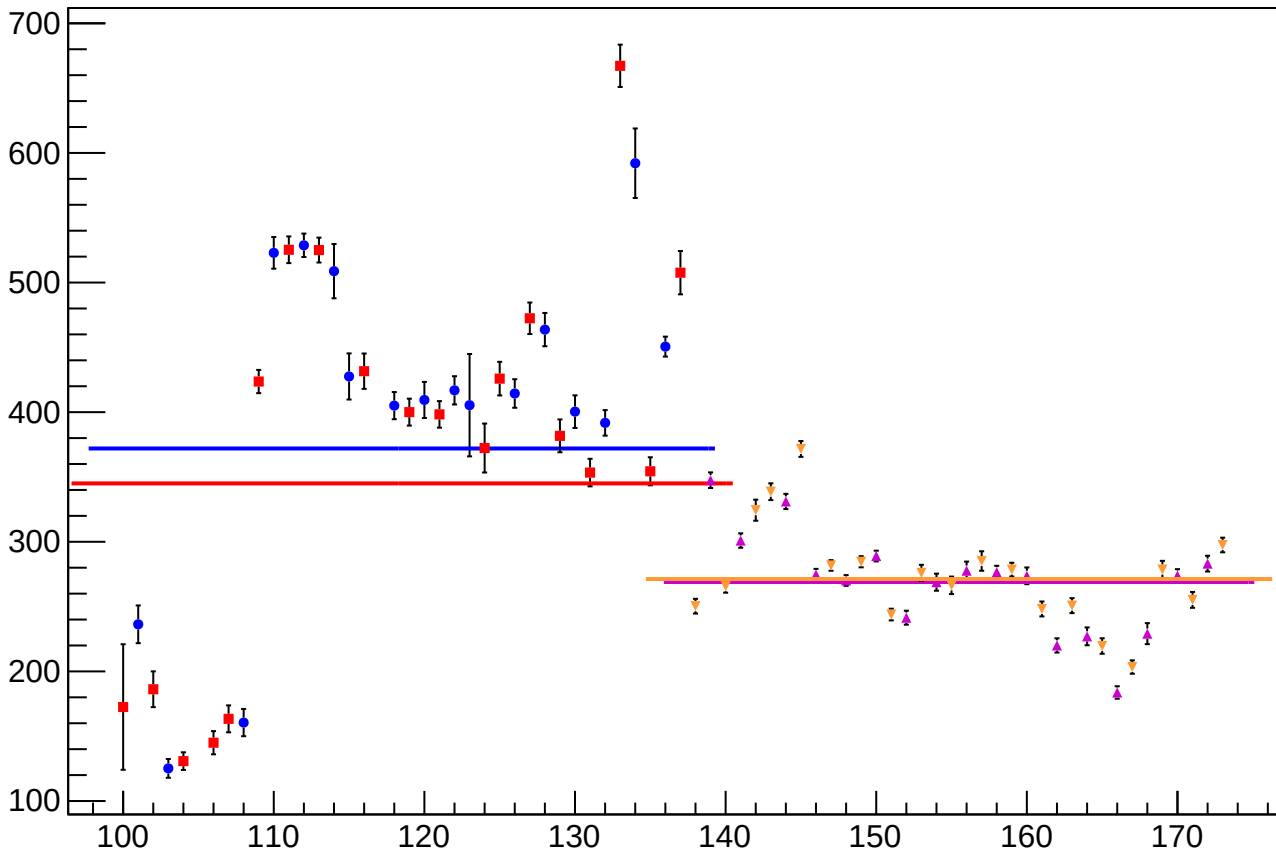
Right: 0.432 ± 1.035 $\chi^2/\text{NDF}: 462.1/35$

In: 6.108 ± 0.798 $\chi^2/\text{NDF}: 530.2/33$

Out: 6.992 ± 0.751 $\chi^2/\text{NDF}: 536.7/37$

All: 6.577 ± 0.547 $\chi^2/\text{NDF}: 1067.6/71$

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975 $\pm$ 2.778 χ^2 /NDF: 2432.6/16

Left Out: 271.266 $\pm$ 1.286 χ^2 /NDF:802.0/18

Right Out: 345.043 $\pm$ 2.562 χ^2 /NDF: 3415.2/18

Left In: 268.974 $\pm$ 1.315 χ^2 /NDF:830.4/16

Left: 270.146 $\pm$ 0.919 χ^2 /NDF: 1634.0/35

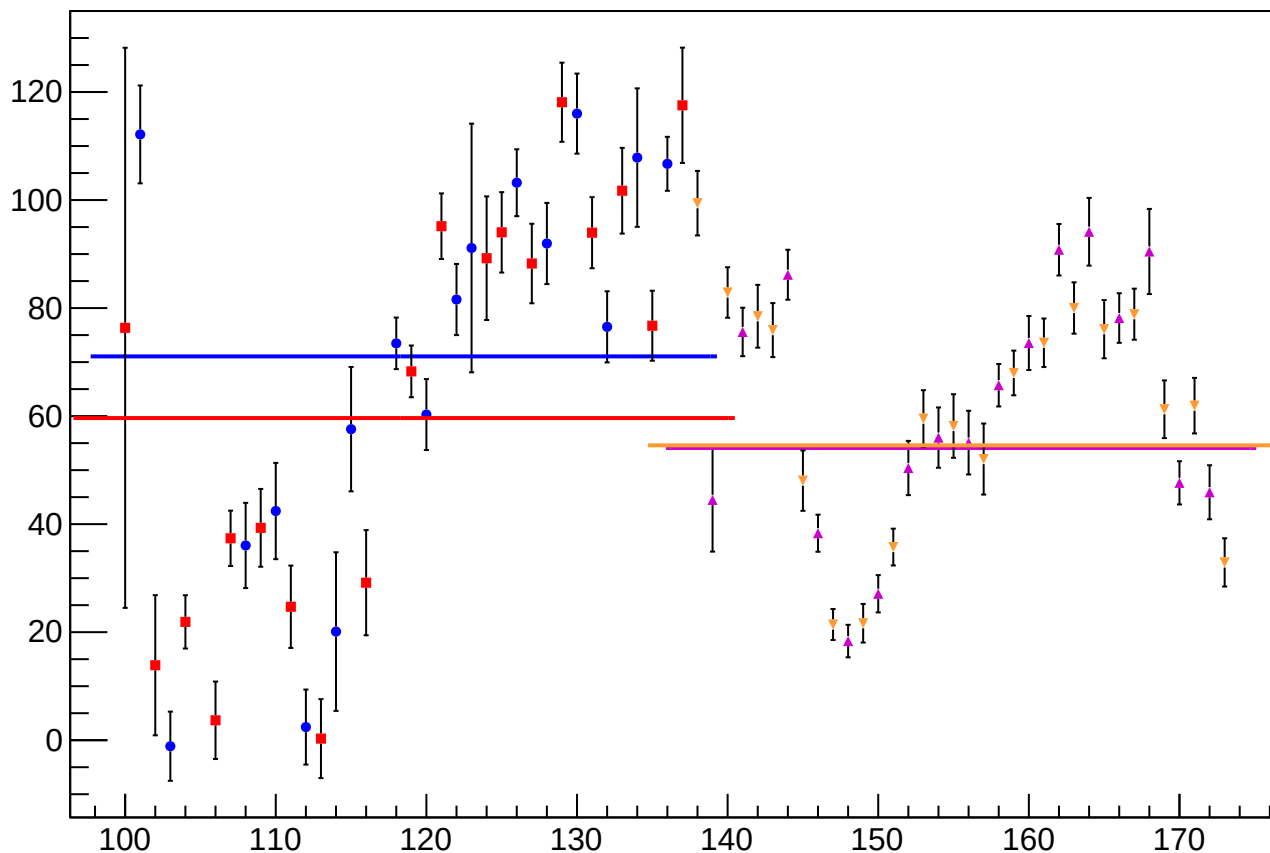
Right: 357.423 $\pm$ 1.883 χ^2 /NDF: 5898.6/35

In: 287.822 $\pm$ 1.188 χ^2 /NDF:4386.5/33

Out: 286.105 $\pm$ 1.149 χ^2 /NDF:4879.6/37

All: 286.935 $\pm$ 0.826 χ^2 /NDF: 9267.2/71

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 54.588 $\pm$ 1.052 χ^2 /NDF:506.4/18

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

Left In: 54.101 $\pm$ 1.099 χ^2 /NDF:474.2/16

Left: 54.355 $\pm$ 0.760 χ^2 /NDF: 980.7/35

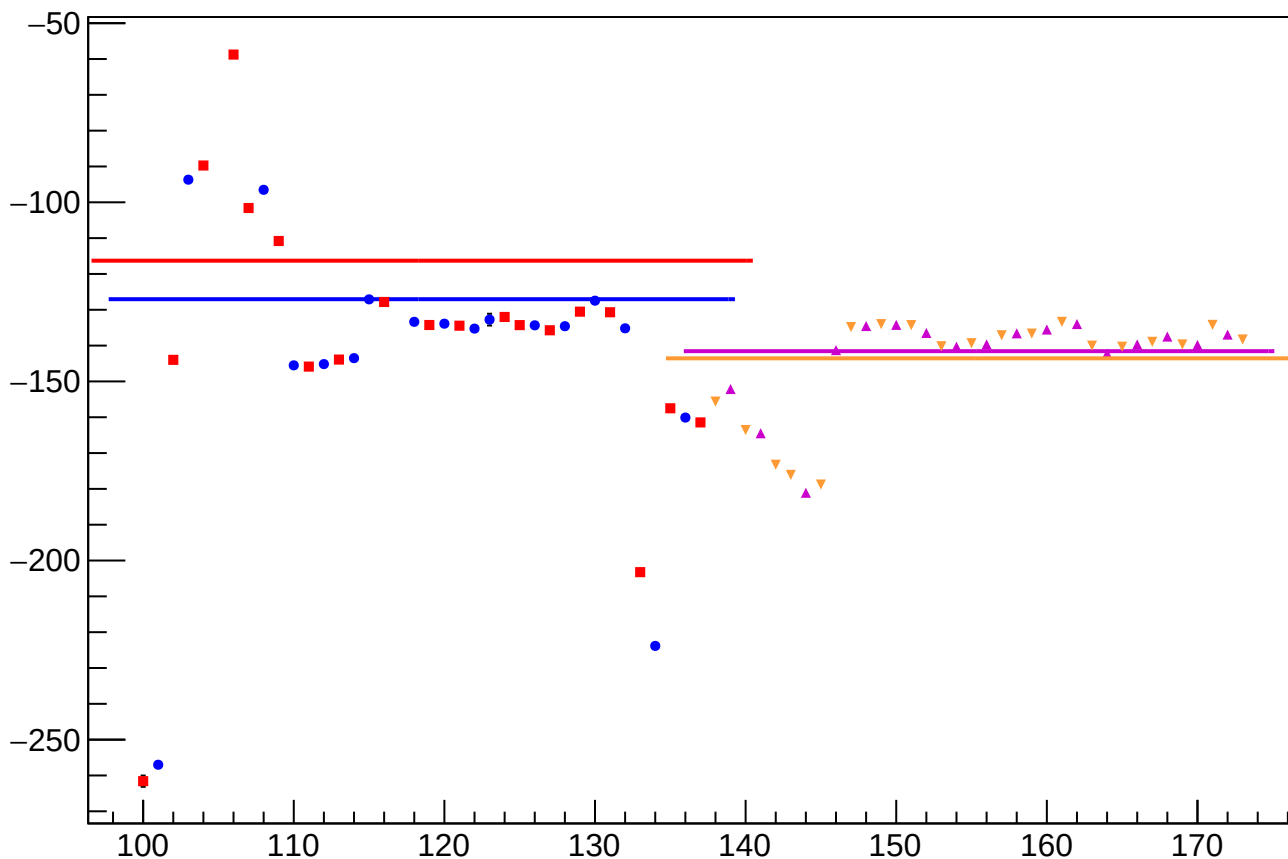
Right: 64.900 $\pm$ 1.198 χ^2 /NDF: 940.4/35

In: 58.844 $\pm$ 0.933 χ^2 /NDF:967.0/33

Out: 56.071 $\pm$ 0.884 χ^2 /NDF:1004.8/37

All: 57.383 $\pm$ 0.642 χ^2 /NDF: 1976.4/71

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049 ± 0.090 $\chi^2/\text{NDF}: 167014.4/16$

Left Out: -143.556 ± 0.051 $\chi^2/\text{NDF}: 71724.1/18$

Right Out: -116.295 ± 0.083 $\chi^2/\text{NDF}: 167109.1/18$

Left In: -141.555 ± 0.052 $\chi^2/\text{NDF}: 44062.0/16$

Left: -142.576 ± 0.036 $\chi^2/\text{NDF}: 116541.5/35$

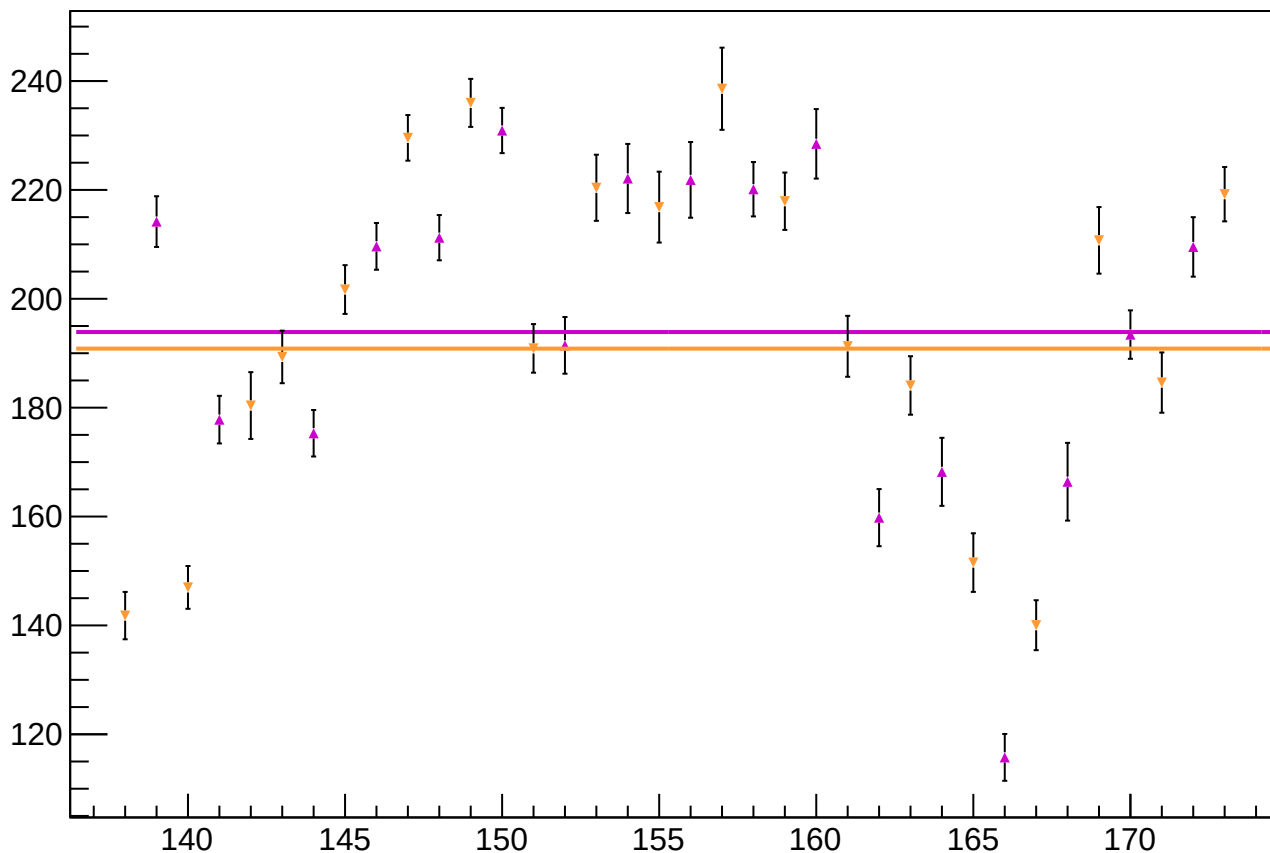
Right: -121.250 ± 0.061 $\chi^2/\text{NDF}: 341860.6/35$

In: -137.913 ± 0.045 $\chi^2/\text{NDF}: 230629.4/33$

Out: -136.094 ± 0.043 $\chi^2/\text{NDF}: 317209.2/37$

All: -136.971 ± 0.031 $\chi^2/\text{NDF}: 548685.1/71$

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 190.847+/-1.156 χ^2/NDF : 778.3/18

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

Left In: 193.893+/-1.204 χ^2/NDF : 666.7/16

Left: 192.308+/-0.834 χ^2/NDF : 1448.4/35

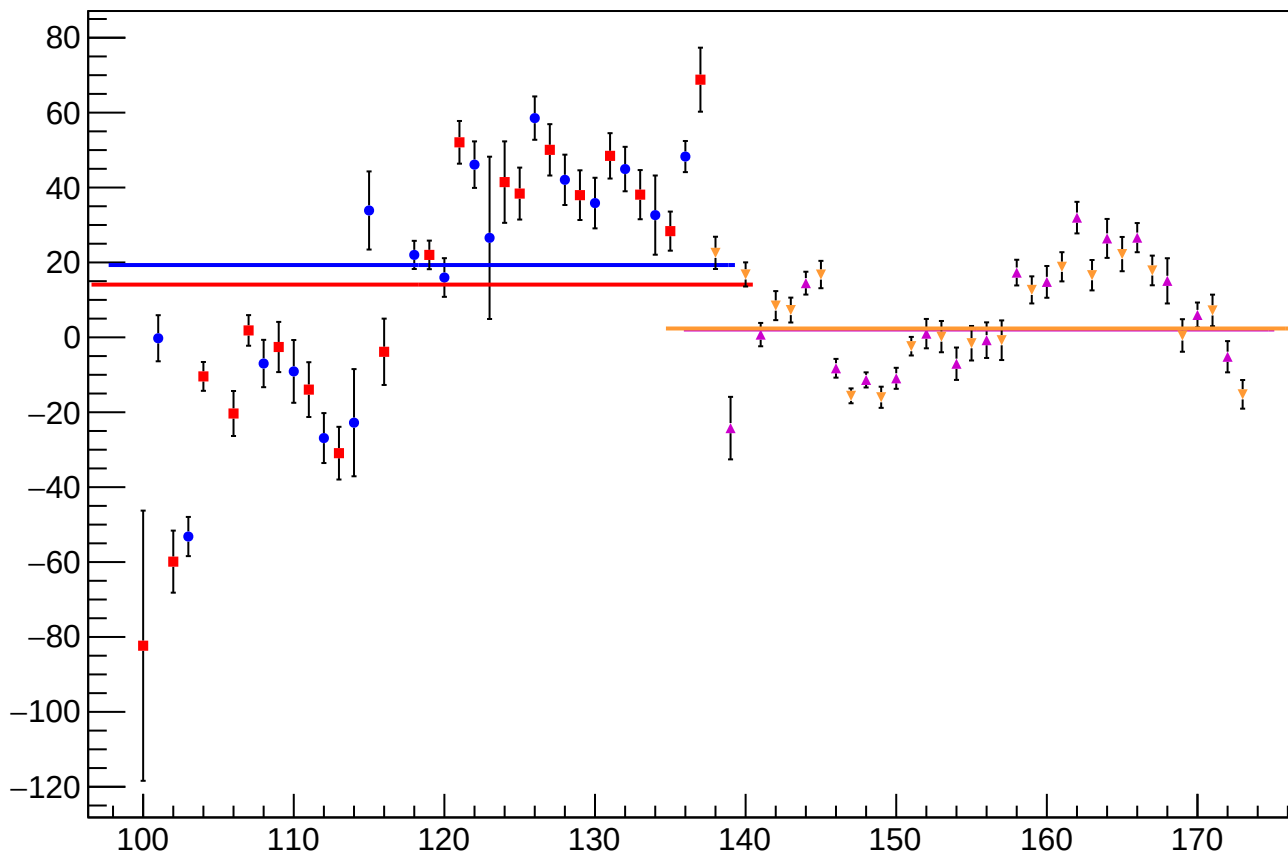
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 193.893+/-1.204 χ^2/NDF : 666.7/16

Out: 190.847+/-1.156 χ^2/NDF : 778.3/18

All: 192.308+/-0.834 χ^2/NDF : 1448.4/35

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: 2.364 ± 0.802 χ^2/NDF : 286.7/18

Right Out: 14.083 ± 1.390 χ^2/NDF : 436.9/18

Left In: 2.091 ± 0.846 χ^2/NDF : 264.1/16

Left: 2.235 ± 0.582 χ^2/NDF : 550.8/35

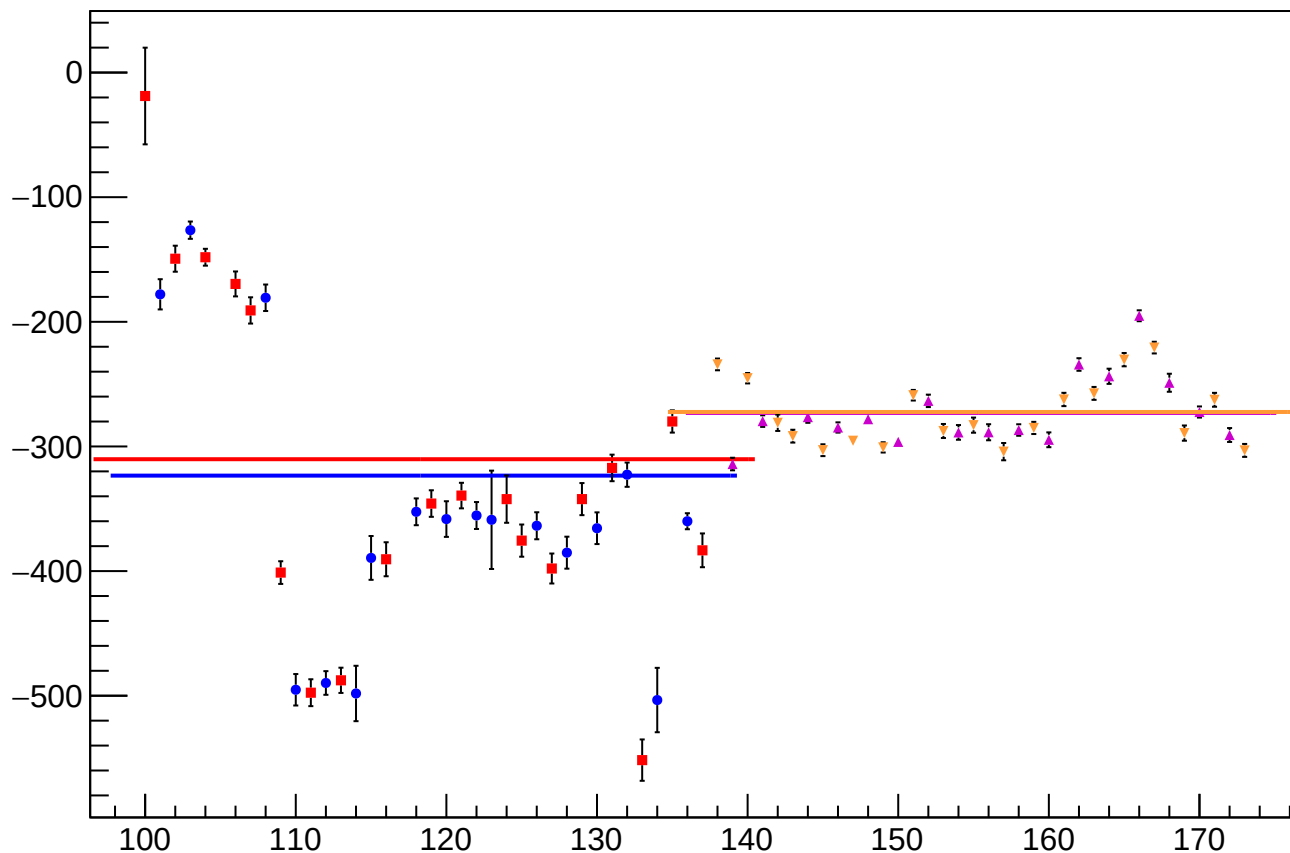
Right: 16.496 ± 1.020 χ^2/NDF : 884.7/35

In: 6.248 ± 0.737 χ^2/NDF : 805.3/33

Out: 5.289 ± 0.694 χ^2/NDF : 776.9/37

All: 5.740 ± 0.505 χ^2/NDF : 1583.1/71

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 ± 2.684 χ^2/NDF : 1849.6/16

Left Out: -272.330 ± 1.150 χ^2/NDF : 535.8/18

Right Out: -310.236 ± 2.523 χ^2/NDF : 2298.8/18

Left In: -273.116 ± 1.184 χ^2/NDF : 573.2/16

Left: -272.712 ± 0.825 χ^2/NDF : 1109.3/35

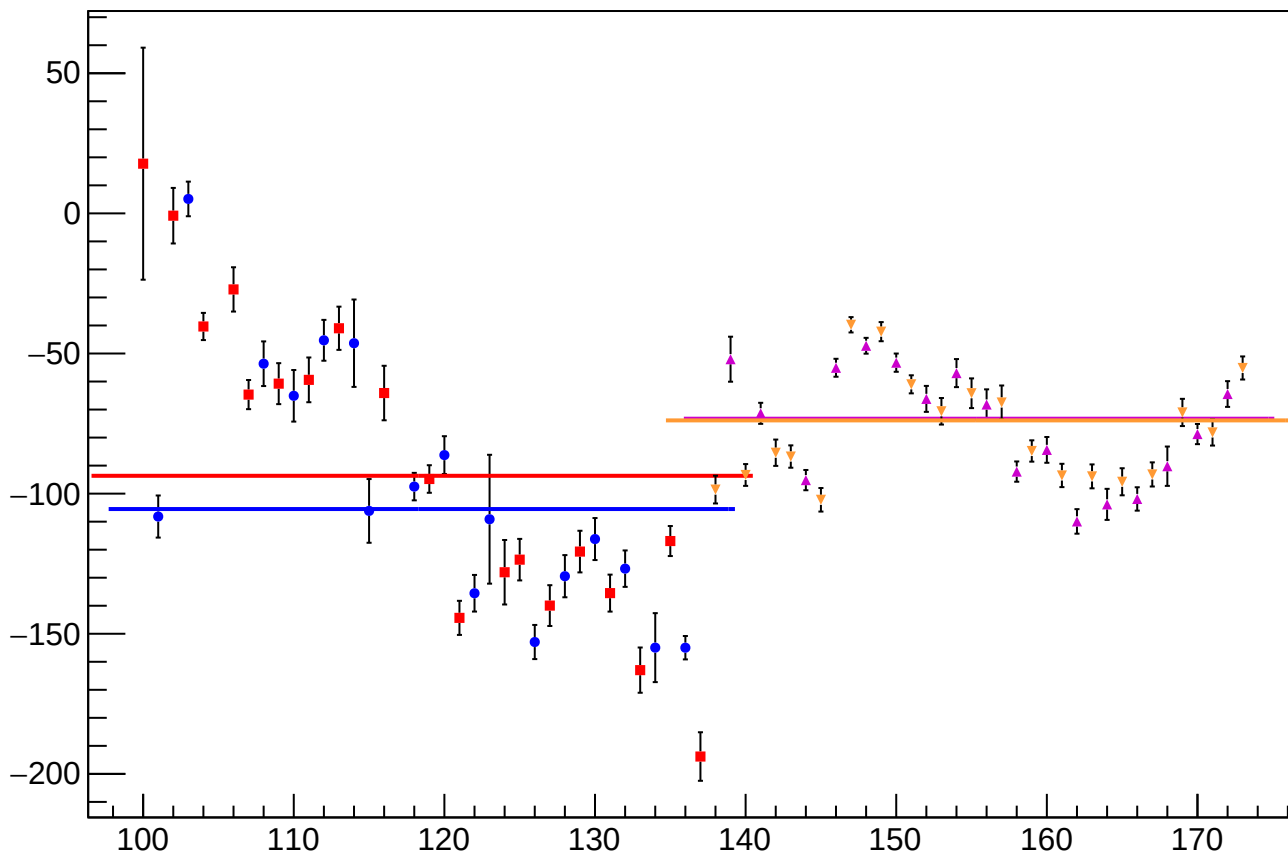
Right: -316.413 ± 1.838 χ^2/NDF : 4161.2/35

In: -281.311 ± 1.083 χ^2/NDF : 2716.7/33

Out: -278.847 ± 1.046 χ^2/NDF : 3021.5/37

All: -280.036 ± 0.753 χ^2/NDF : 5740.8/71

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -73.868 ± 0.945 χ^2/NDF : 488.9/18

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

Left In: -73.263 ± 0.994 χ^2/NDF : 405.3/16

Left: -73.581 ± 0.685 χ^2/NDF : 894.4/35

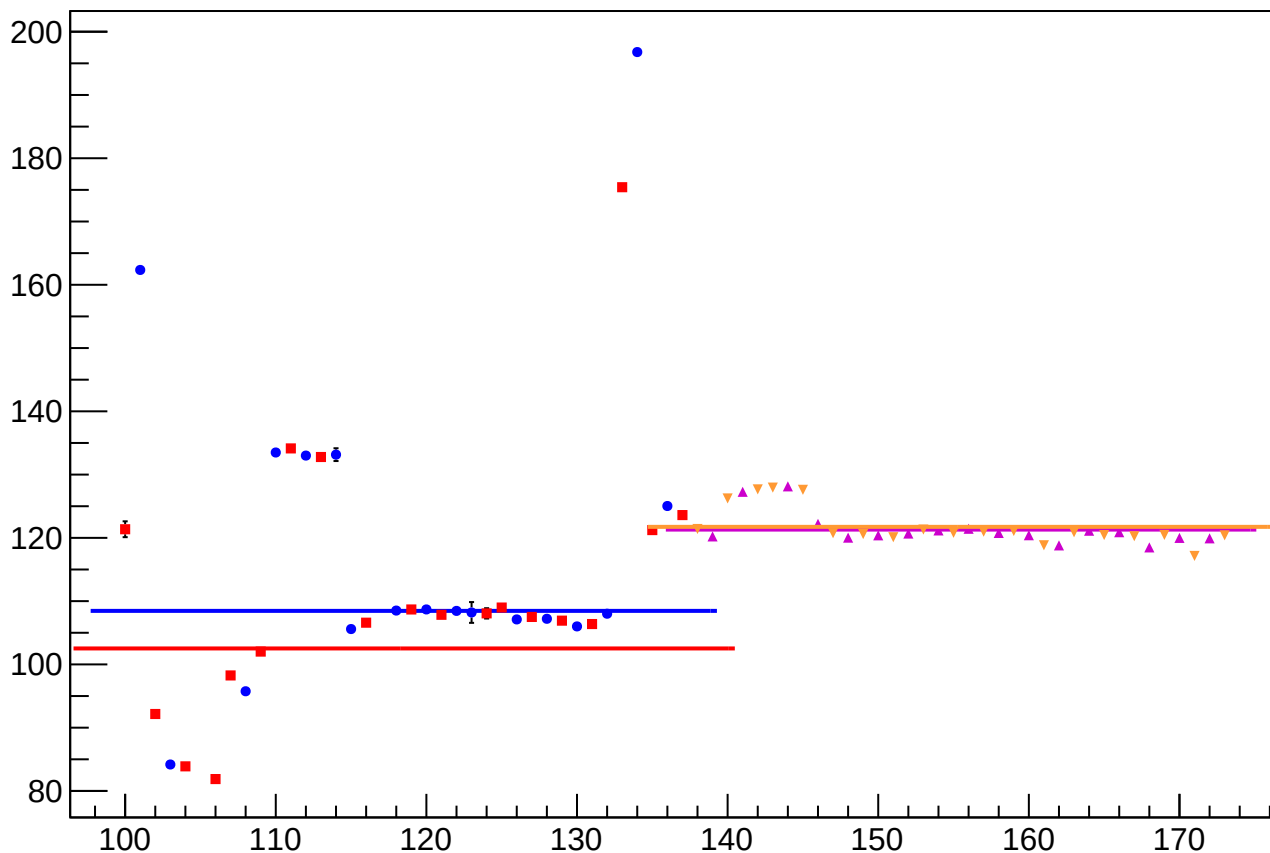
Right: -99.203 ± 1.173 χ^2/NDF : 1589.9/35

In: -81.392 ± 0.860 χ^2/NDF : 1407.7/33

Out: -78.931 ± 0.815 χ^2/NDF : 1428.2/37

All: -80.096 ± 0.591 χ^2/NDF : 2840.2/71

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 121.741 $\pm$ 0.046 χ^2 /NDF: 4139.6/18

Right Out: 102.521 $\pm$ 0.080 χ^2 /NDF: 52992.1/18

Left In: 121.308 $\pm$ 0.047 χ^2 /NDF: 2748.4/16

Left: 121.531 $\pm$ 0.033 χ^2 /NDF: 6931.9/35

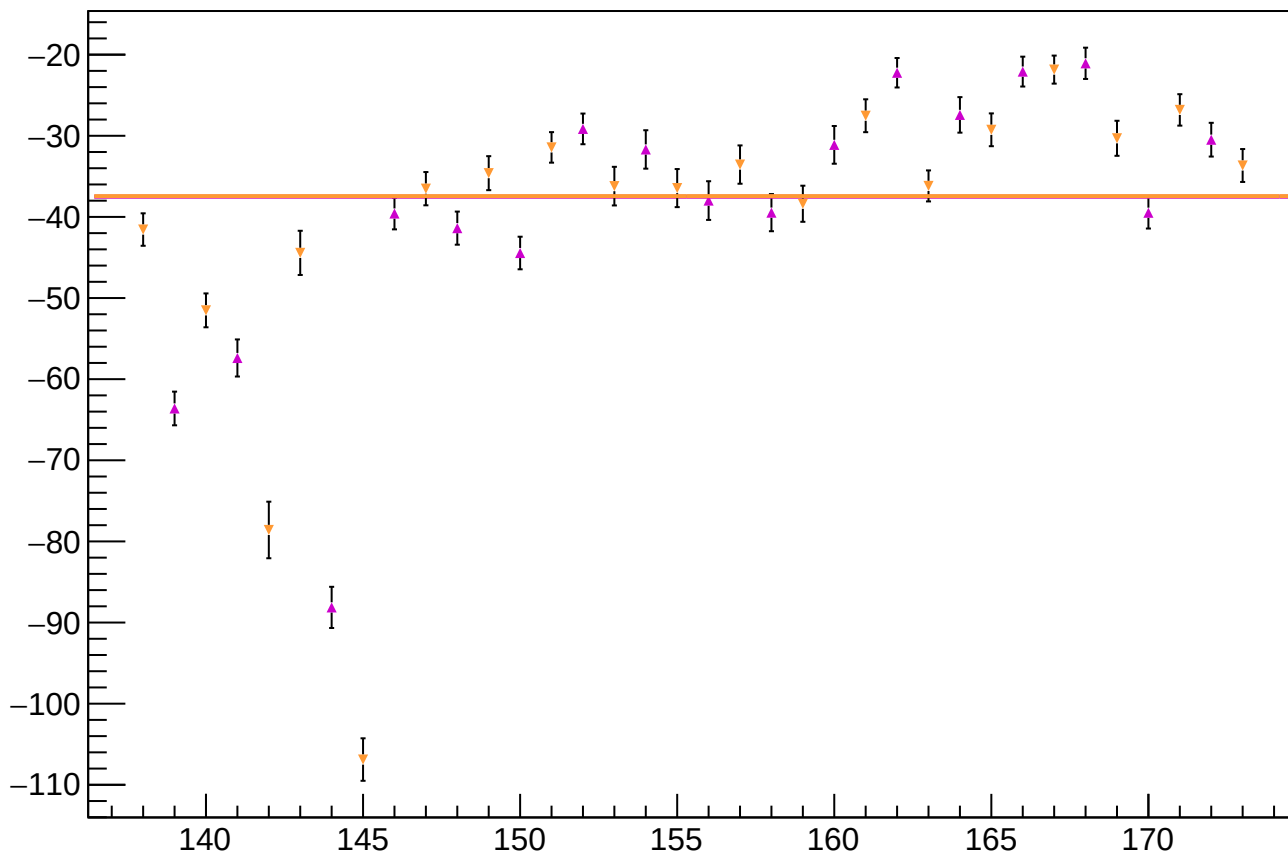
Right: 105.294 $\pm$ 0.058 χ^2 /NDF: 128896.1/35

In: 118.319 $\pm$ 0.041 χ^2 /NDF: 93582.6/33

Out: 117.001 $\pm$ 0.040 χ^2 /NDF: 101111.4/37

All: 117.636 $\pm$ 0.028 χ^2 /NDF: 195229.5/71

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -37.438+/-0.491 χ^2/NDF :1080.9/18

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

Left In: -37.509+/-0.506 χ^2/NDF :929.4/16

Left: -37.472+/-0.352 χ^2/NDF : 2010.3/35

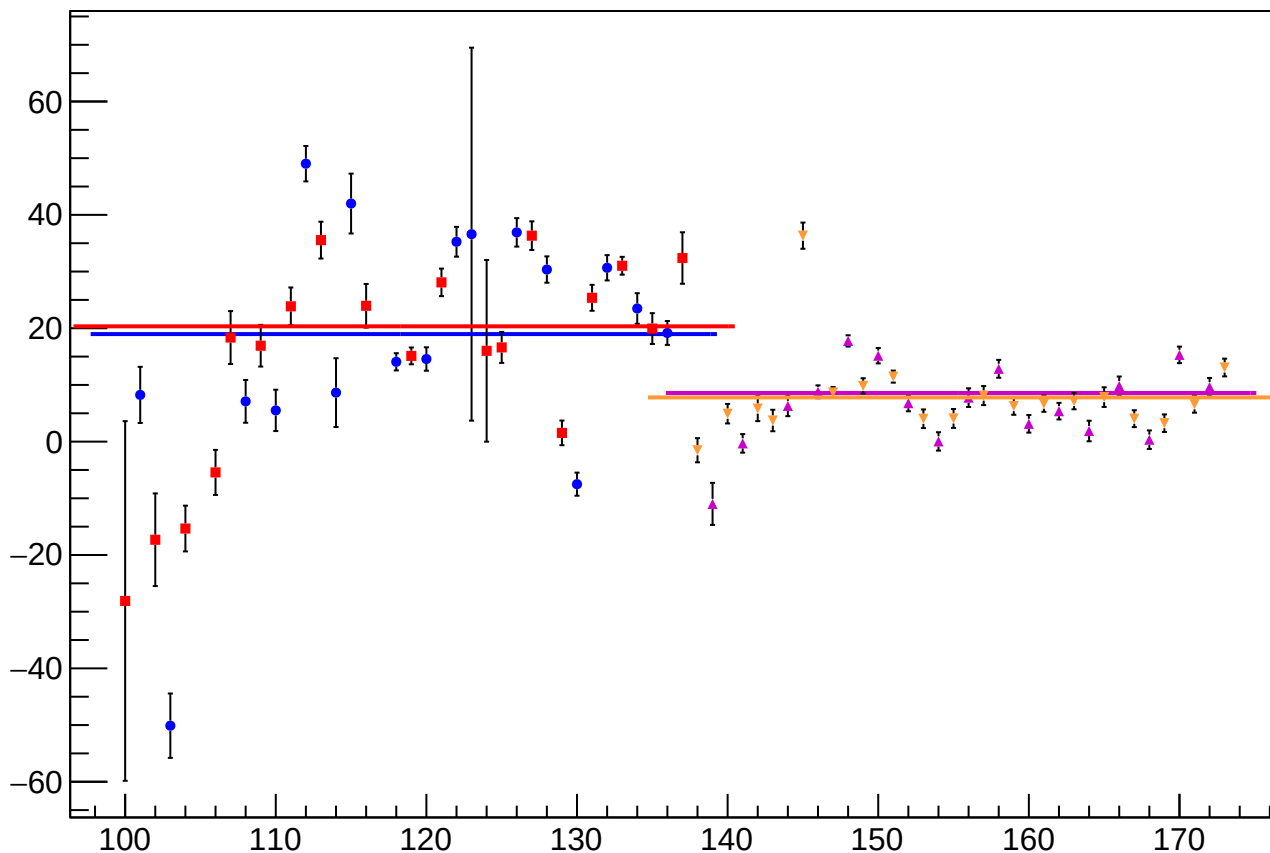
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.509+/-0.506 χ^2/NDF :929.4/16

Out: -37.438+/-0.491 χ^2/NDF :1080.9/18

All: -37.472+/-0.352 χ^2/NDF : 2010.3/35

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 ± 0.653 χ^2/NDF : 618.4/16

Left Out: 7.797 ± 0.348 χ^2/NDF : 233.8/18

Right Out: 20.338 ± 0.642 χ^2/NDF : 366.4/18

Left In: 8.582 ± 0.365 χ^2/NDF : 283.2/16

Left: 8.171 ± 0.252 χ^2/NDF : 519.4/35

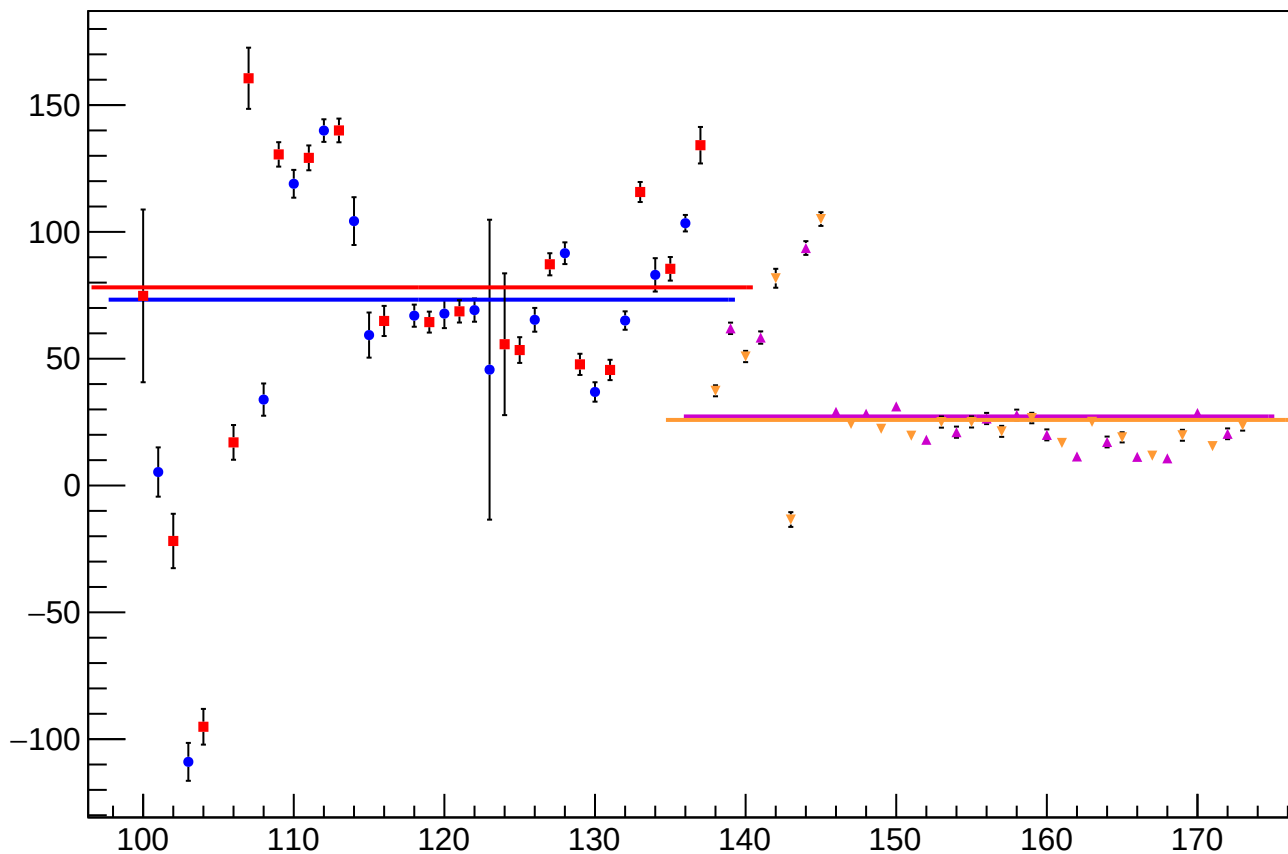
Right: 19.666 ± 0.458 χ^2/NDF : 987.0/35

In: 11.058 ± 0.319 χ^2/NDF : 1094.3/33

Out: 10.647 ± 0.306 χ^2/NDF : 894.9/37

All: 10.844 ± 0.221 χ^2/NDF : 1990.1/71

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278+/-1.236 χ^2 /NDF: 1198.6/16

Left Out: 25.864+/-0.484 χ^2 /NDF:1573.7/18

Right Out: 78.130+/-1.223 χ^2 /NDF: 1543.3/18

Left In: 27.234+/-0.495 χ^2 /NDF:1310.1/16

Left: 26.533+/-0.346 χ^2 /NDF: 2887.6/35

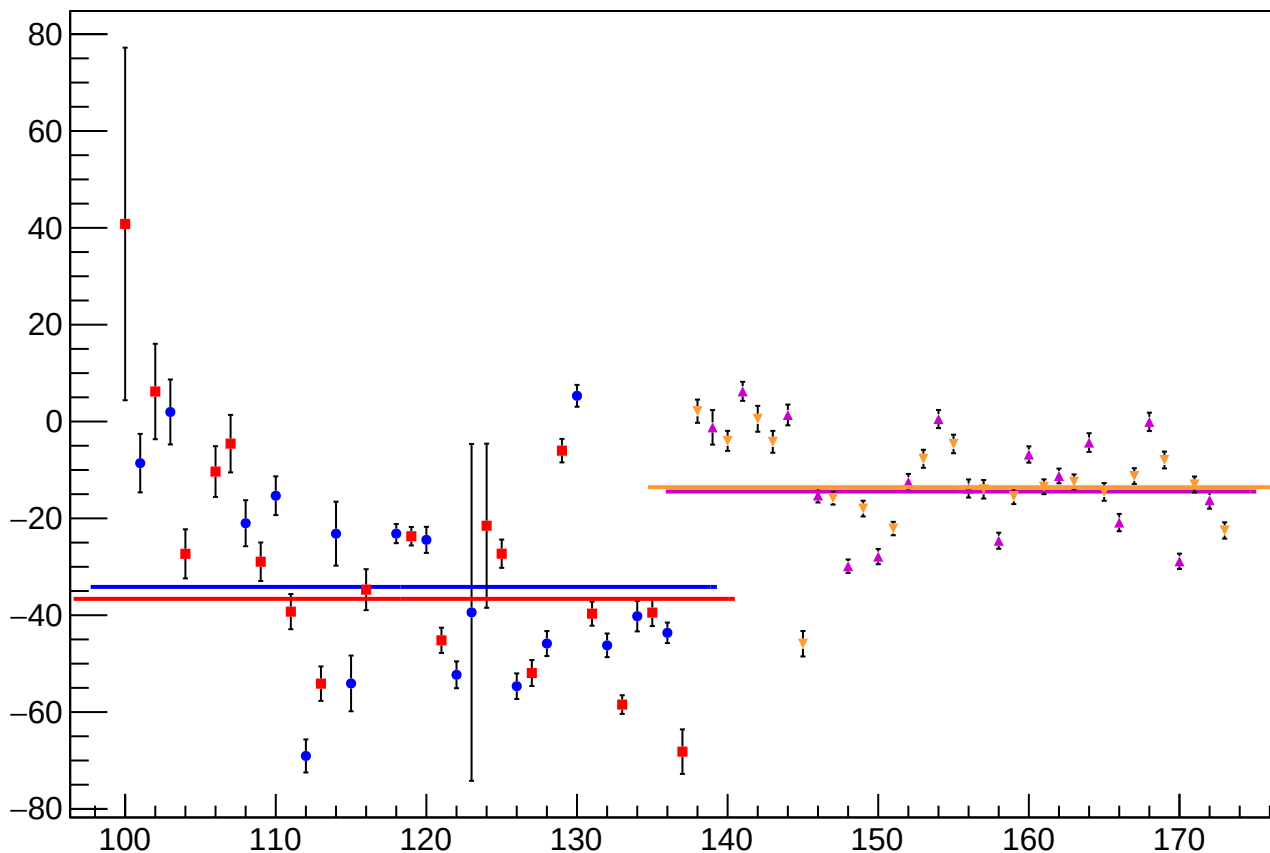
Right: 75.732+/-0.869 χ^2 /NDF: 2749.7/35

In: 33.600+/-0.460 χ^2 /NDF:3703.7/33

Out: 32.943+/-0.450 χ^2 /NDF:4697.2/37

All: 33.264+/-0.322 χ^2 /NDF: 8401.9/71

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -34.153 ± 0.745 χ^2/NDF : 717.5/16

Left Out: -13.555 ± 0.403 χ^2/NDF : 382.9/18

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

Left In: -14.460 ± 0.423 χ^2/NDF : 684.8/16

Left: -13.986 ± 0.292 χ^2/NDF : 1070.1/35

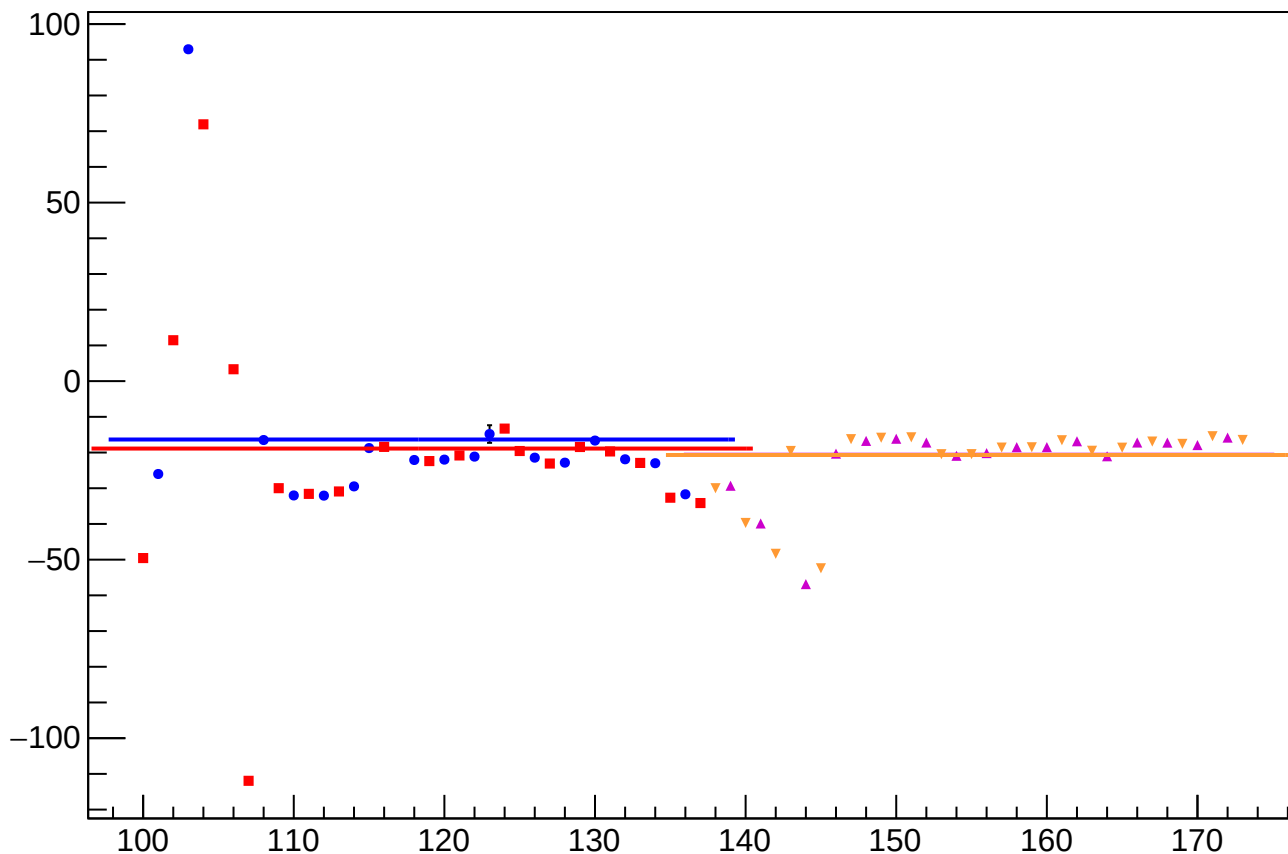
Right: -35.401 ± 0.523 χ^2/NDF : 1270.0/35

In: -19.259 ± 0.368 χ^2/NDF : 1931.0/33

Out: -18.886 ± 0.354 χ^2/NDF : 1685.3/37

All: -19.066 ± 0.255 χ^2/NDF : 3616.8/71

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -20.689 ± 0.019 $\chi^2/\text{NDF}: 201424.4/18$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

Left In: -20.613 ± 0.019 $\chi^2/\text{NDF}: 164849.9/16$

Left: -20.652 ± 0.013 $\chi^2/\text{NDF}: 366282.4/35$

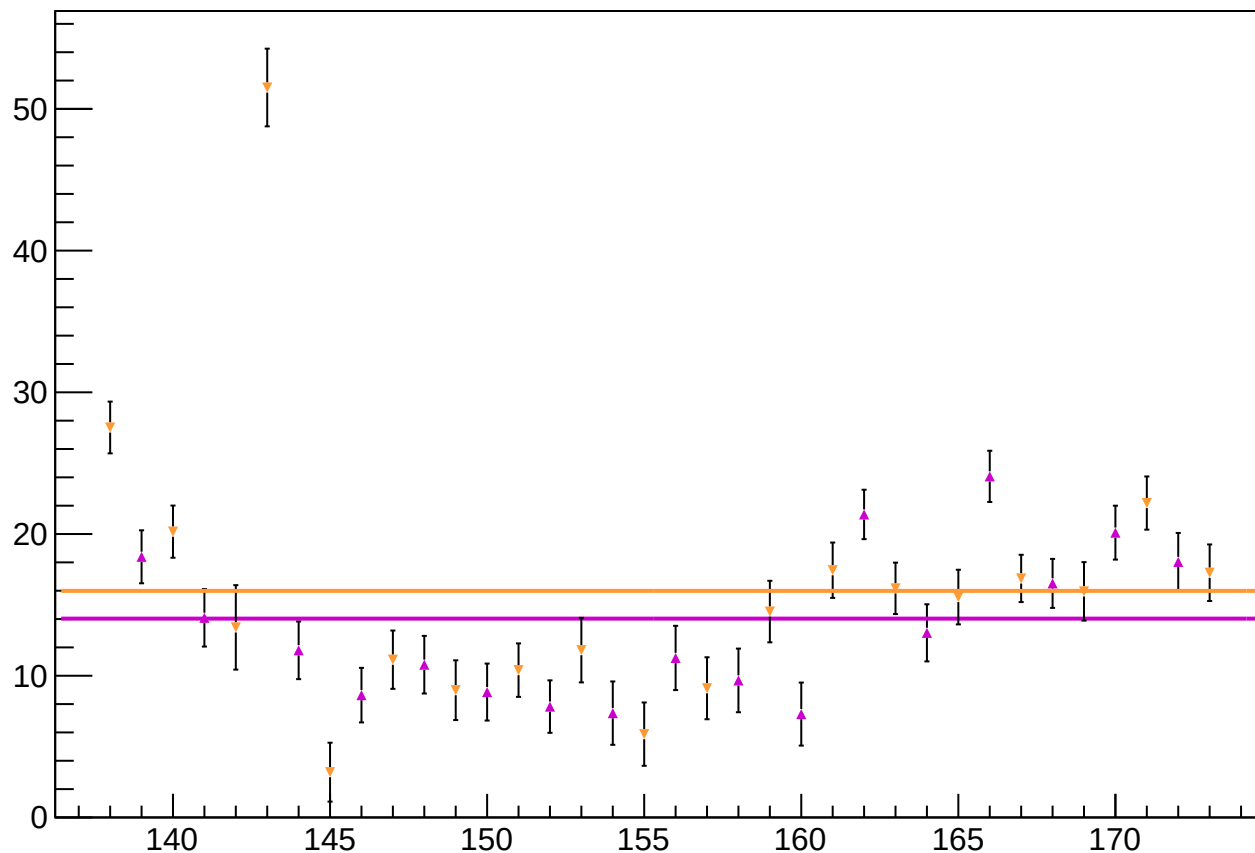
Right: -17.599 ± 0.032 $\chi^2/\text{NDF}: 909577.8/35$

In: -19.943 ± 0.018 $\chi^2/\text{NDF}: 646732.8/33$

Out: -20.425 ± 0.017 $\chi^2/\text{NDF}: 636570.5/37$

All: -20.189 ± 0.012 $\chi^2/\text{NDF}: 1283681.7/71$

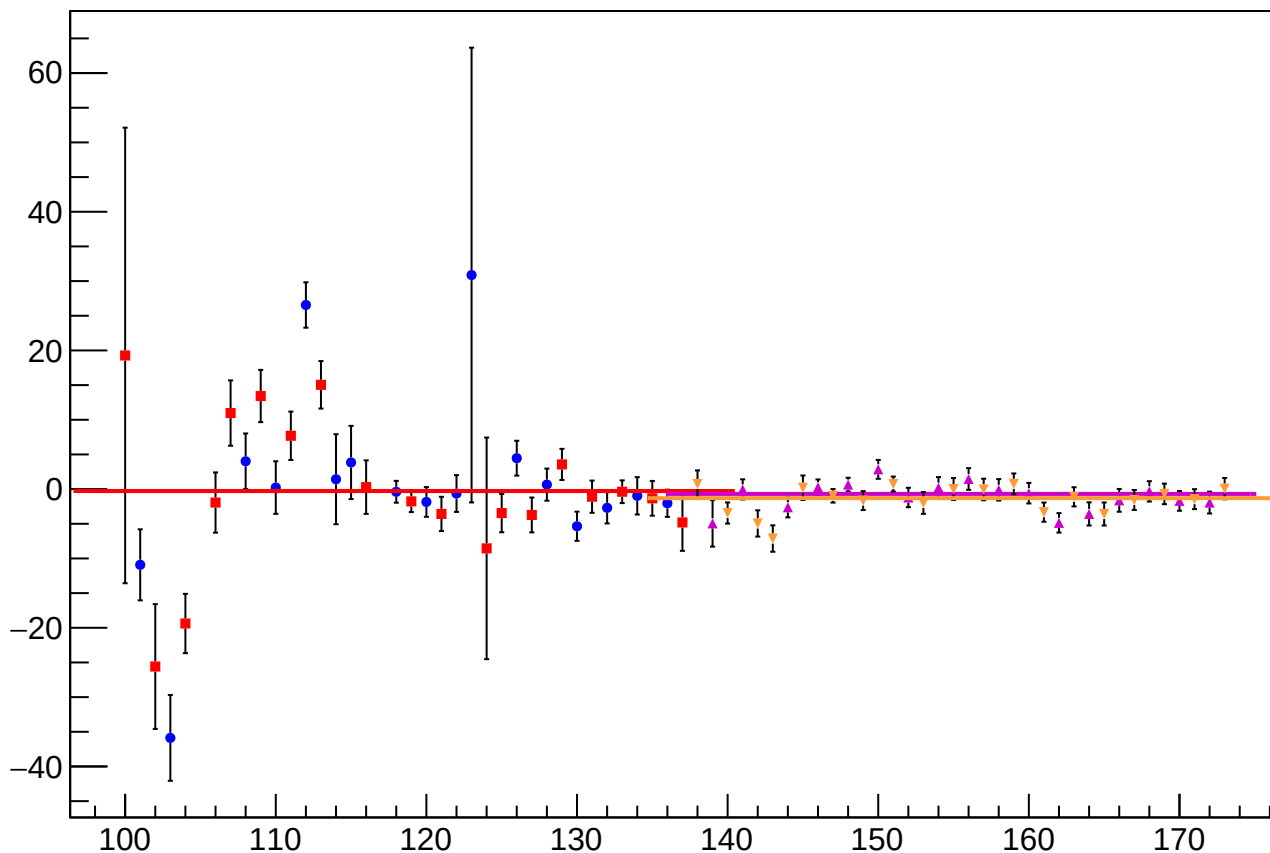
reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 15.988 $\pm$ 0.467 χ^2/NDF :323.3/18
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 14.031 $\pm$ 0.480 χ^2/NDF :123.3/16

Left: 15.036 $\pm$ 0.334 χ^2/NDF : 455.1/35
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 14.031 $\pm$ 0.480 χ^2/NDF :123.3/16
 Out: 15.988 $\pm$ 0.467 χ^2/NDF :323.3/18
 All: 15.036 $\pm$ 0.334 χ^2/NDF : 455.1/35

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.280 ± 0.662 χ^2/NDF : 119.5/16

Left Out: -1.309 ± 0.335 χ^2/NDF : 29.2/18

Right Out: -0.270 ± 0.656 χ^2/NDF : 83.2/18

Left In: -0.691 ± 0.349 χ^2/NDF : 28.7/16

Left: -1.013 ± 0.242 χ^2/NDF : 59.5/35

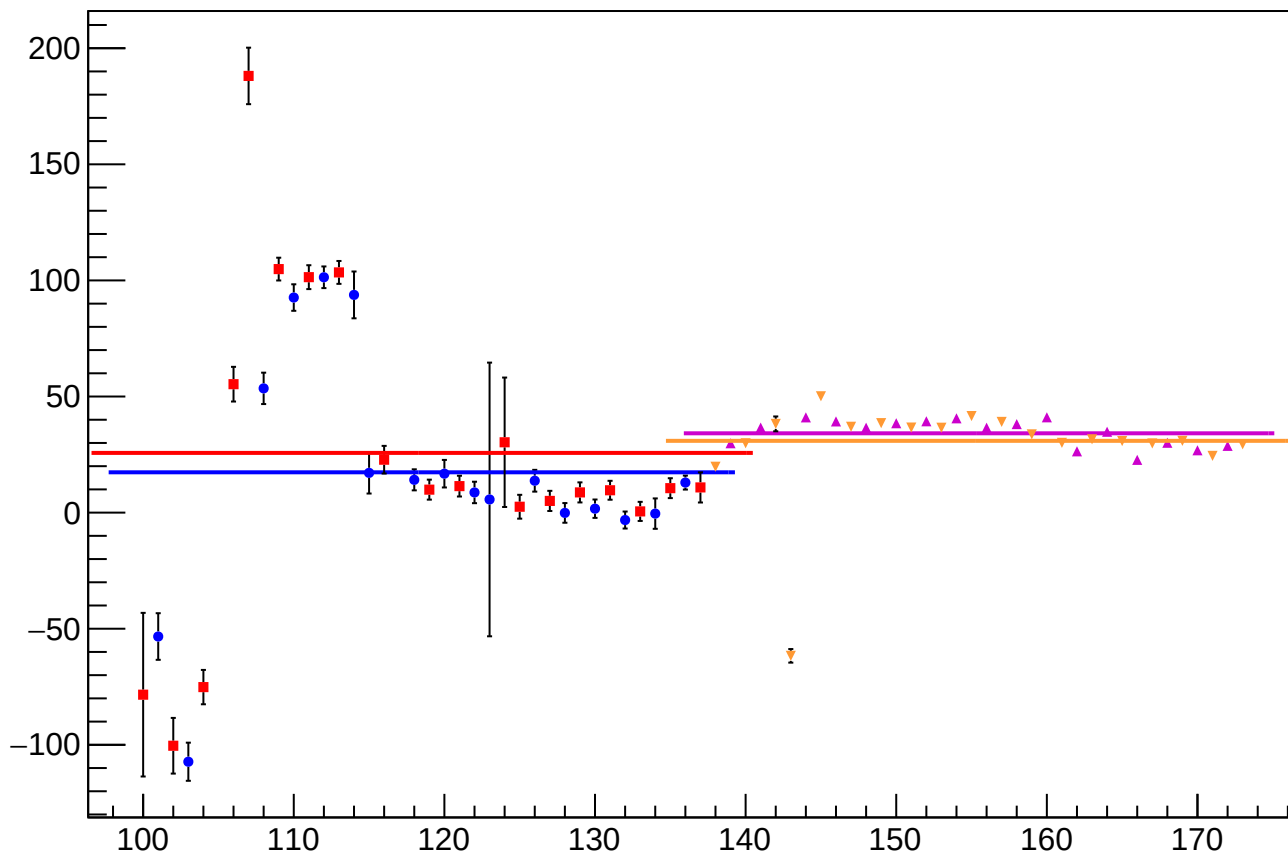
Right: -0.275 ± 0.466 χ^2/NDF : 202.7/35

In: -0.602 ± 0.309 χ^2/NDF : 148.6/33

Out: -1.094 ± 0.298 χ^2/NDF : 114.3/37

All: -0.857 ± 0.215 χ^2/NDF : 264.2/71

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361+/-1.247 χ^2/NDF : 943.0/16

Left Out: 30.914+/-0.461 χ^2/NDF :1215.5/18

Right Out: 25.717+/-1.243 χ^2/NDF : 1378.8/18

Left In: 34.160+/-0.471 χ^2/NDF :151.7/16

Left: 32.504+/-0.330 χ^2/NDF : 1391.4/35

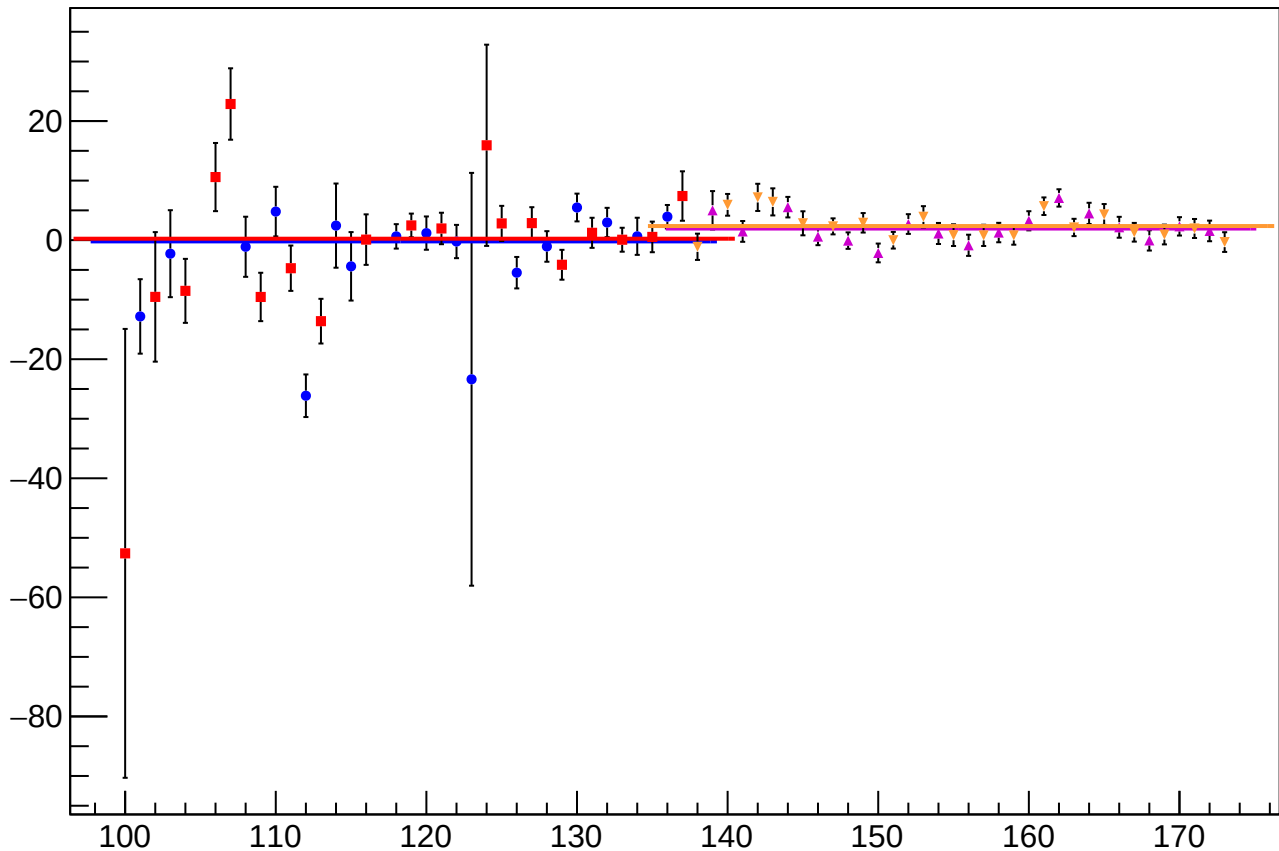
Right: 21.552+/-0.880 χ^2/NDF : 2344.4/35

In: 32.062+/-0.441 χ^2/NDF :1253.5/33

Out: 30.284+/-0.433 χ^2/NDF :2609.7/37

All: 31.157+/-0.309 χ^2/NDF : 3871.5/71

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.367 ± 0.387 χ^2/NDF : 30.5/18

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

Left In: 1.946 ± 0.404 χ^2/NDF : 34.8/16

Left: 2.165 ± 0.279 χ^2/NDF : 65.9/35

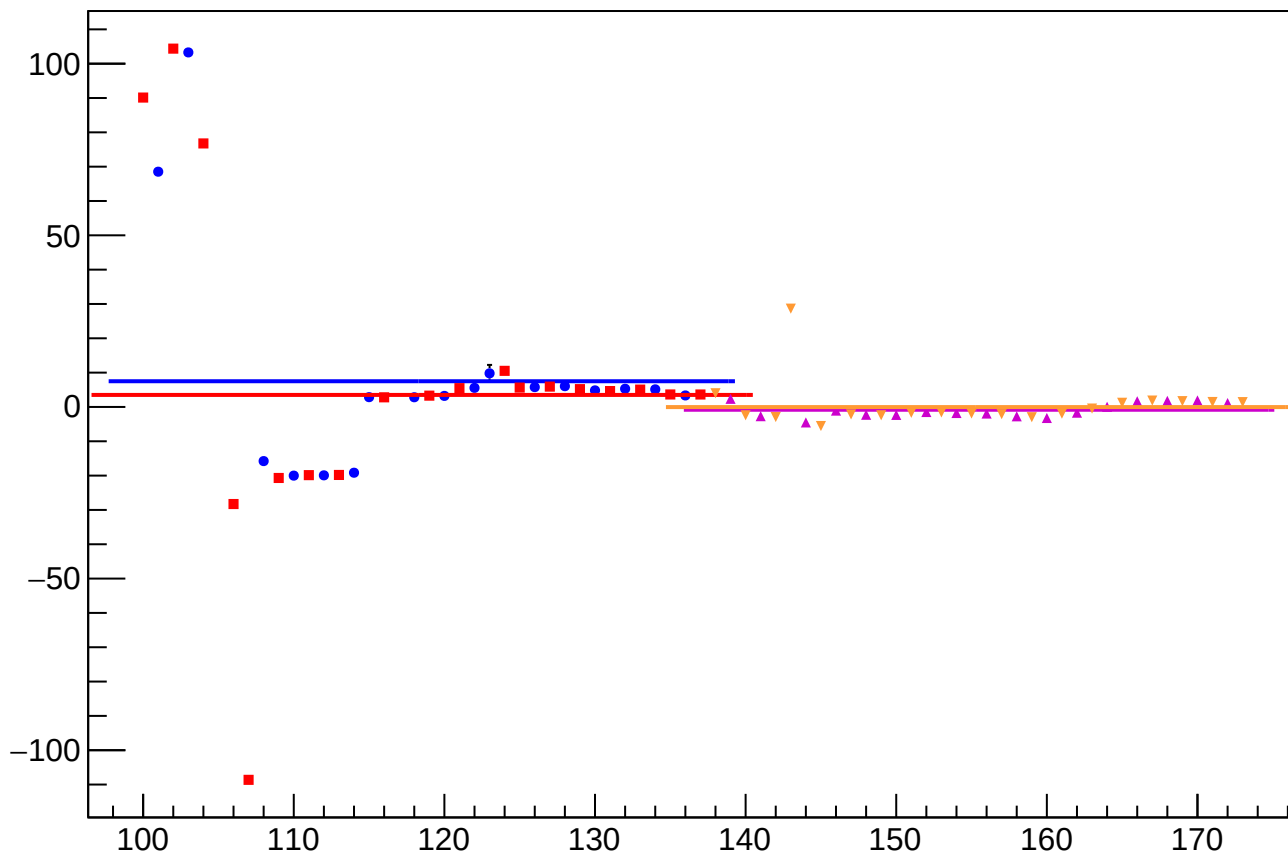
Right: 0.015 ± 0.530 χ^2/NDF : 130.6/35

In: 1.463 ± 0.356 χ^2/NDF : 117.1/33

Out: 1.919 ± 0.343 χ^2/NDF : 91.4/37

All: 1.699 ± 0.247 χ^2/NDF : 209.3/71

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492 ± 0.045 $\chi^2/\text{NDF}: 355979.0/16$

Left Out: -0.041 ± 0.018 $\chi^2/\text{NDF}: 76855.6/18$

Right Out: 3.504 ± 0.046 $\chi^2/\text{NDF}: 510579.4/18$

Left In: -0.815 ± 0.018 $\chi^2/\text{NDF}: 11817.5/16$

Left: -0.418 ± 0.013 $\chi^2/\text{NDF}: 89589.3/35$

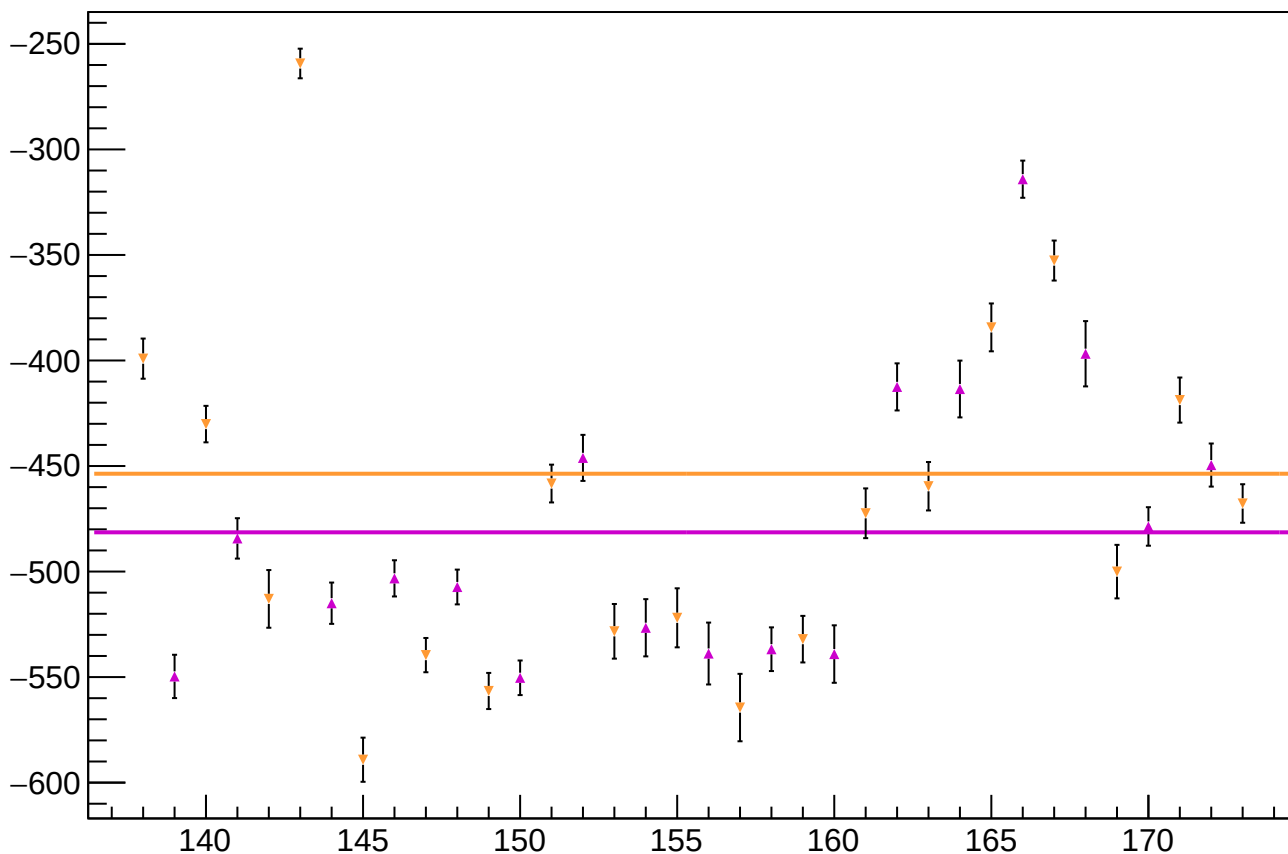
Right: 5.541 ± 0.032 $\chi^2/\text{NDF}: 870462.8/35$

In: 0.382 ± 0.017 $\chi^2/\text{NDF}: 397443.9/33$

Out: 0.430 ± 0.017 $\chi^2/\text{NDF}: 592667.6/37$

All: 0.407 ± 0.012 $\chi^2/\text{NDF}: 990115.7/71$

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -453.651+/-2.329 χ^2/NDF :1586.8/18

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

Left In: -481.415+/-2.504 χ^2/NDF :691.1/16

Left: -466.529+/-1.705 χ^2/NDF : 2343.8/35

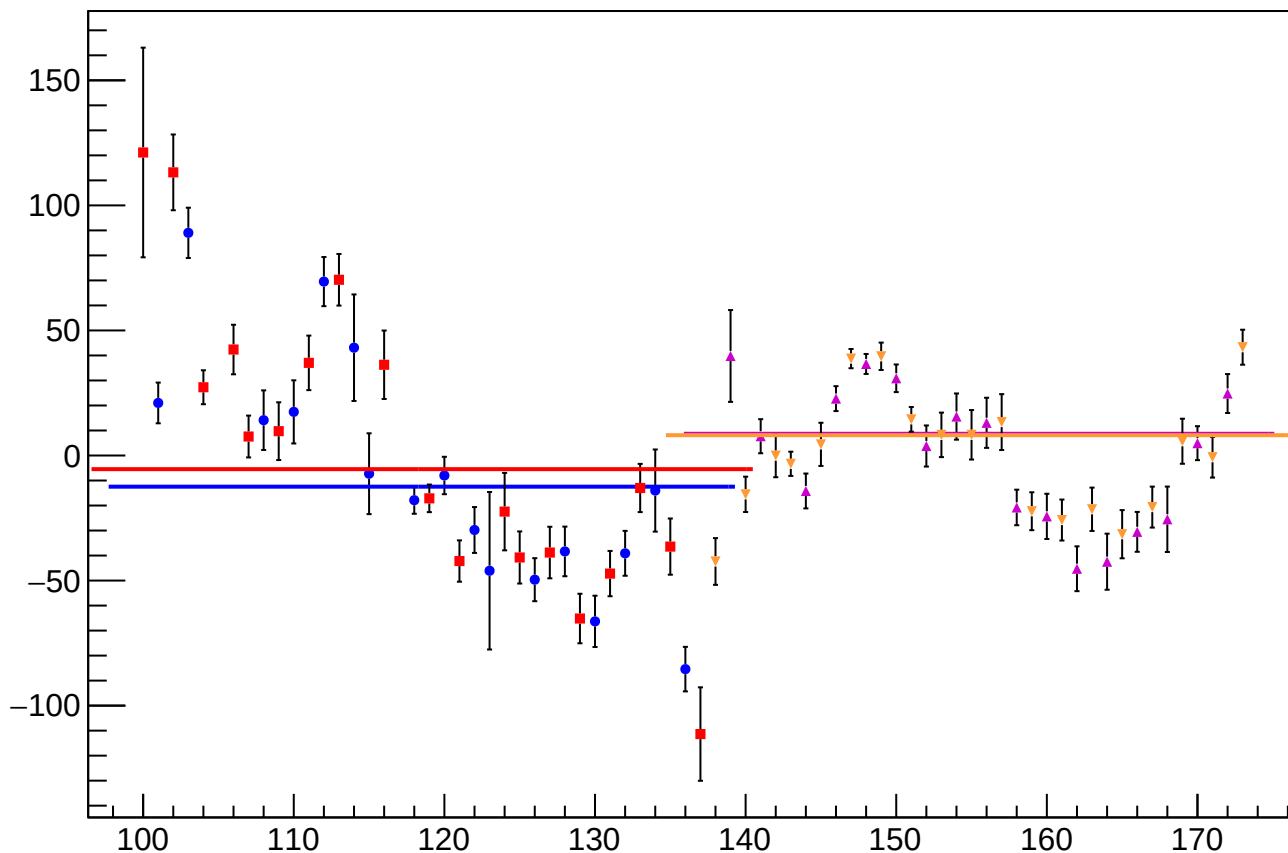
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -481.415+/-2.504 χ^2/NDF :691.1/16

Out: -453.651+/-2.329 χ^2/NDF :1586.8/18

All: -466.529+/-1.705 χ^2/NDF : 2343.8/35

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 8.121 ± 1.595 χ^2/NDF : 246.2/18

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

Left In: 8.692 ± 1.741 χ^2/NDF : 211.1/16

Left: 8.381 ± 1.176 χ^2/NDF : 457.3/35

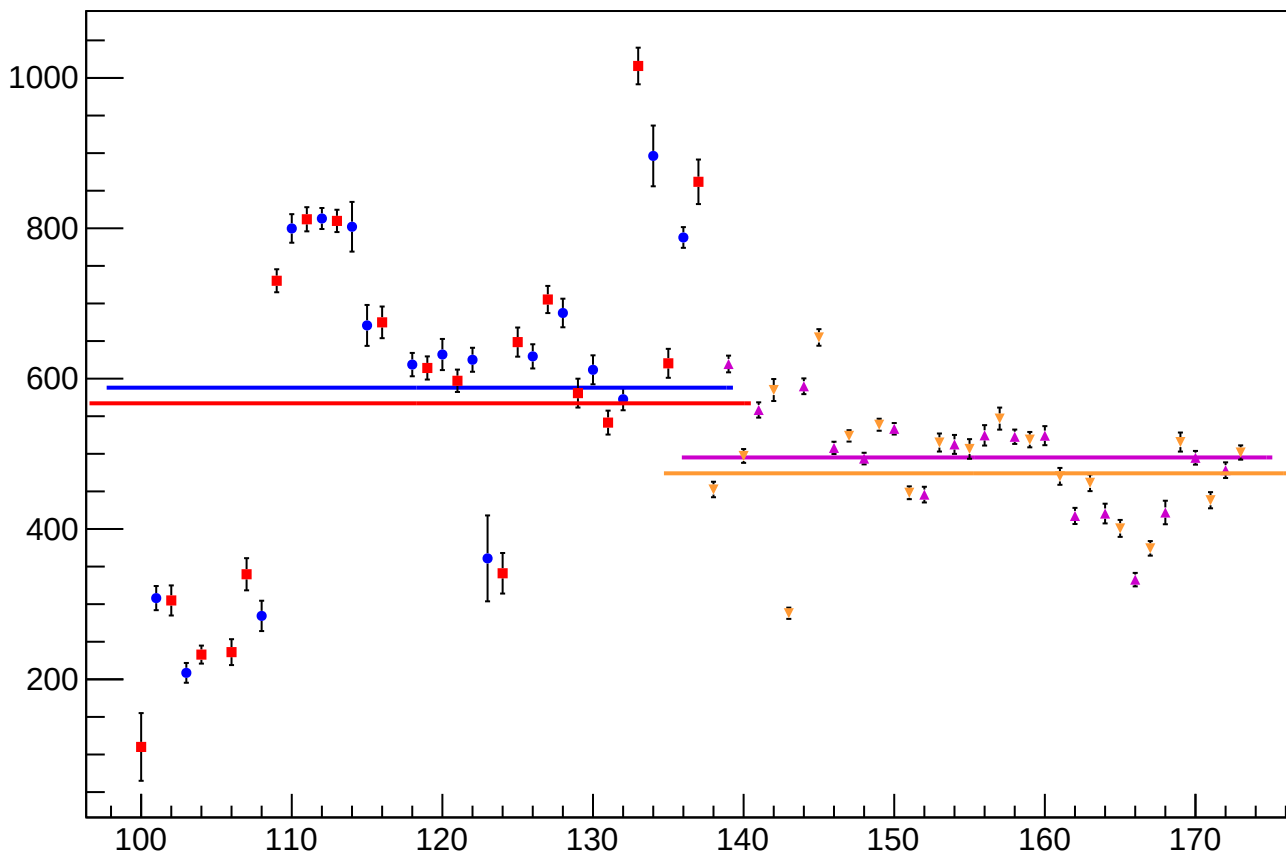
Right: -8.819 ± 1.628 χ^2/NDF : 690.7/35

In: 1.189 ± 1.399 χ^2/NDF : 604.5/33

Out: 3.605 ± 1.303 χ^2/NDF : 615.3/37

All: 2.483 ± 0.953 χ^2/NDF : 1221.4/71

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 ± 4.353 $\chi^2/\text{NDF}: 2129.6/16$

Left Out: 474.058 ± 2.317 $\chi^2/\text{NDF}: 1313.6/18$

Right Out: 567.179 ± 4.136 $\chi^2/\text{NDF}: 2783.2/18$

Left In: 495.171 ± 2.456 $\chi^2/\text{NDF}: 752.9/16$

Left: 484.003 ± 1.685 $\chi^2/\text{NDF}: 2105.6/35$

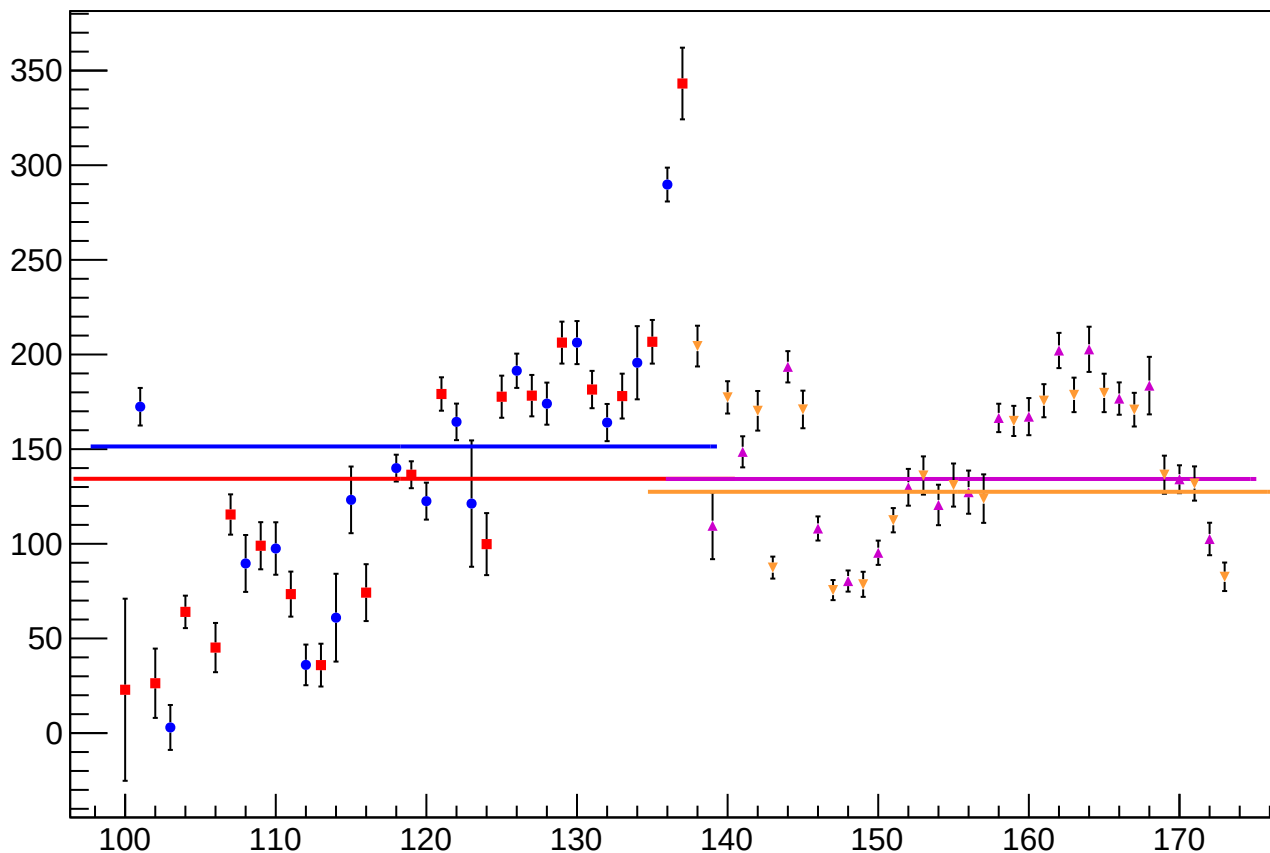
Right: 577.056 ± 2.998 $\chi^2/\text{NDF}: 4924.8/35$

In: 517.584 ± 2.139 $\chi^2/\text{NDF}: 3227.4/33$

Out: 496.305 ± 2.022 $\chi^2/\text{NDF}: 4482.6/37$

All: 506.345 ± 1.469 $\chi^2/\text{NDF}: 7762.3/71$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421 $\pm$ 2.709 χ^2/NDF : 633.3/16

Left Out: 127.478 $\pm$ 1.888 χ^2/NDF : 496.2/18

Right Out: 134.346 $\pm$ 2.616 χ^2/NDF : 584.9/18

Left In: 134.244 $\pm$ 2.052 χ^2/NDF : 370.4/16

Left: 130.580 $\pm$ 1.389 χ^2/NDF : 872.5/35

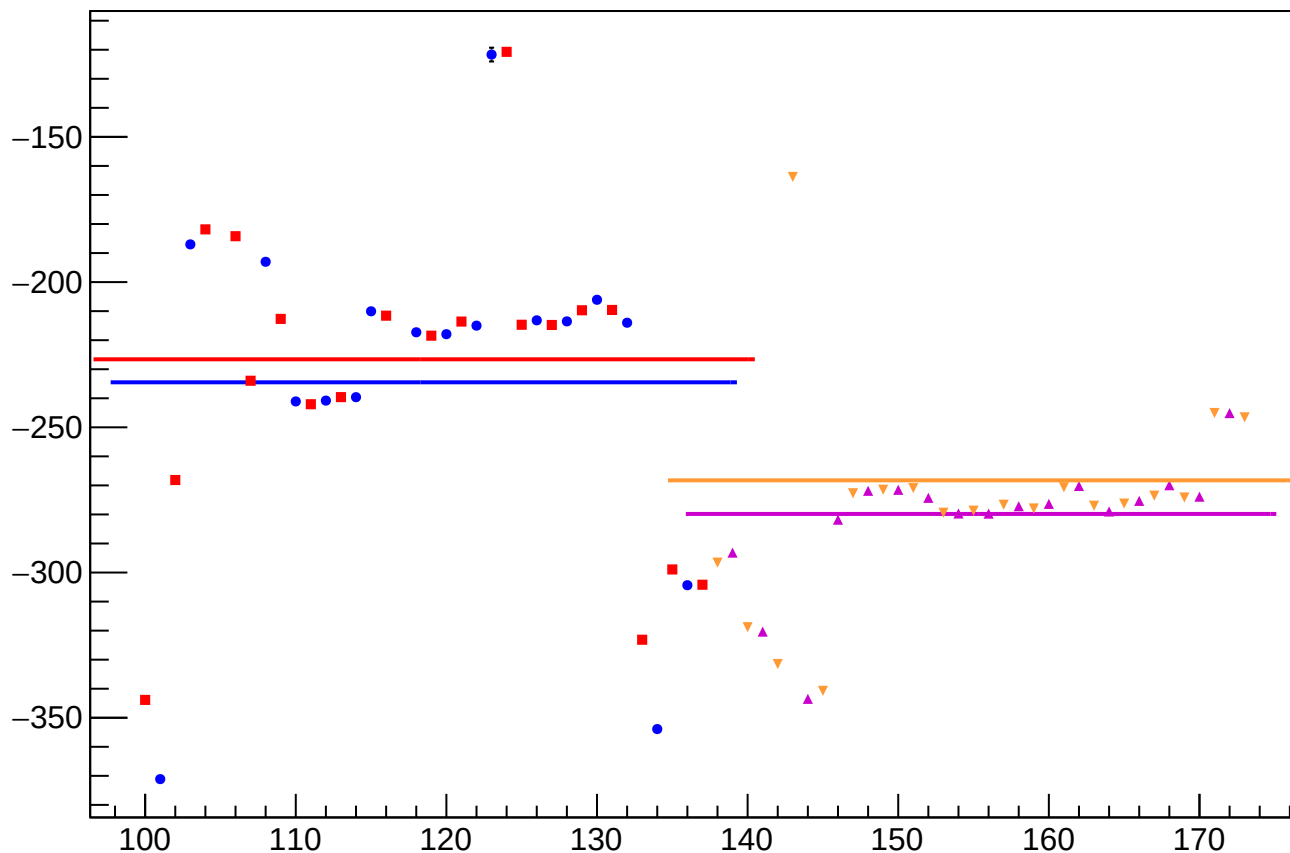
Right: 142.583 $\pm$ 1.882 χ^2/NDF : 1238.7/35

In: 140.506 $\pm$ 1.636 χ^2/NDF : 1029.3/33

Out: 129.831 $\pm$ 1.531 χ^2/NDF : 1085.6/37

All: 134.815 $\pm$ 1.118 χ^2/NDF : 2137.6/71

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501+/-0.149 χ^2/NDF : 145046.5/16

Left Out: -268.259+/-0.092 χ^2/NDF :191878.0/18

Right Out: -226.581+/-0.141 χ^2/NDF : 98968.8/18

Left In: -279.824+/-0.097 χ^2/NDF :41767.7/16

Left: -273.720+/-0.067 χ^2/NDF : 241116.9/35

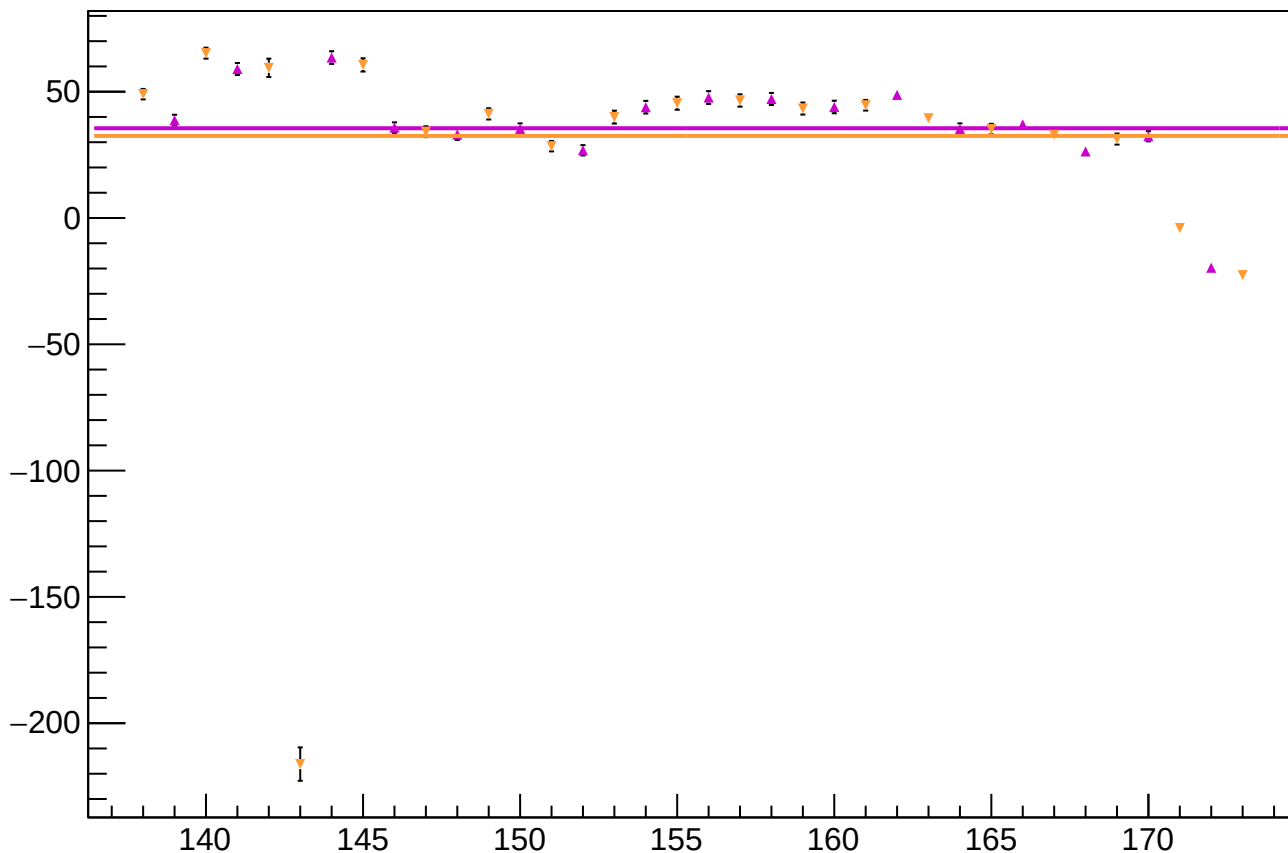
Right: -230.333+/-0.103 χ^2/NDF : 245501.4/35

In: -266.296+/-0.081 χ^2/NDF :251699.2/33

Out: -255.876+/-0.077 χ^2/NDF :351906.2/37

All: -260.801+/-0.056 χ^2/NDF : 612243.6/71

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 32.496 $\pm$ 0.516 χ^2 /NDF:3206.5/18

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

Left In: 35.531 $\pm$ 0.525 χ^2 /NDF:1149.3/16

Left: 33.986 $\pm$ 0.368 χ^2 /NDF: 4372.8/35

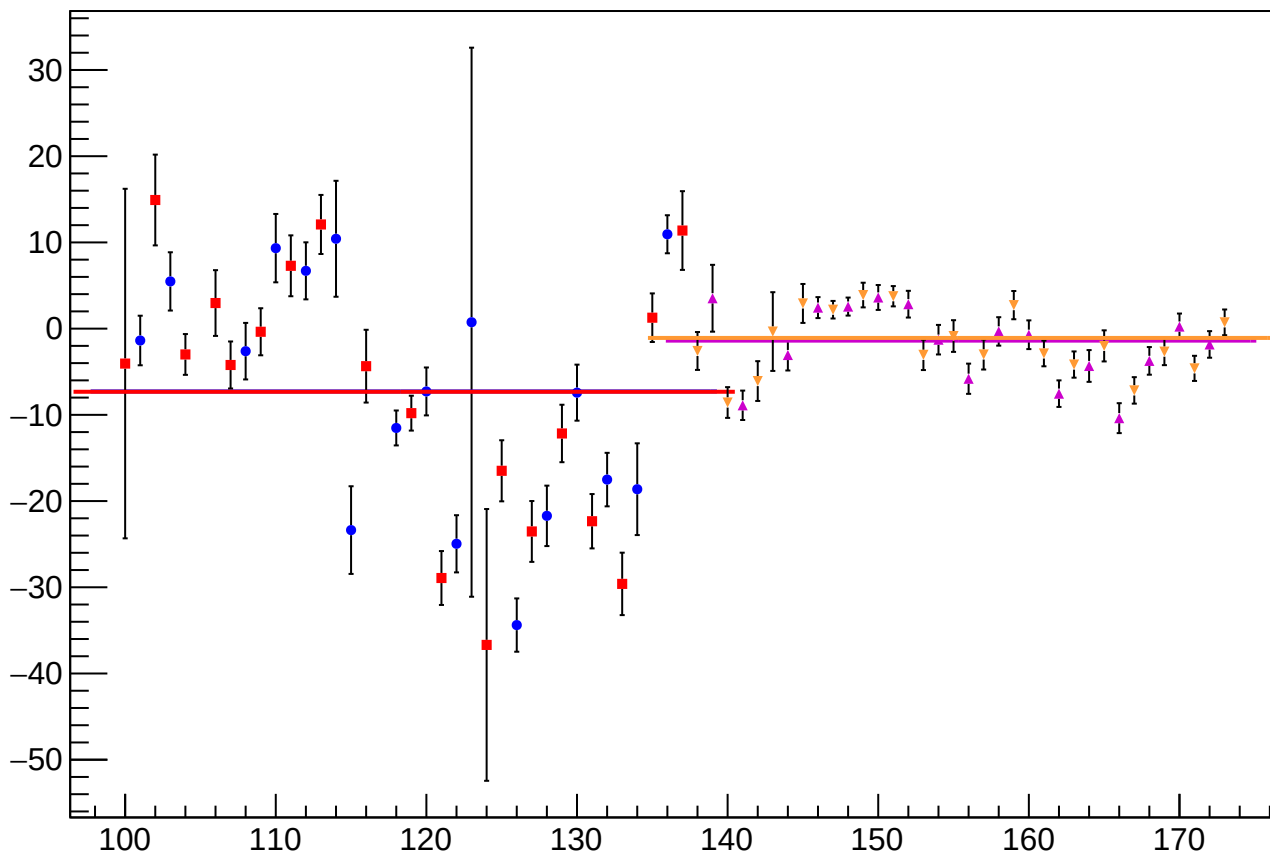
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 35.531 $\pm$ 0.525 χ^2 /NDF:1149.3/16

Out: 32.496 $\pm$ 0.516 χ^2 /NDF:3206.5/18

All: 33.986 $\pm$ 0.368 χ^2 /NDF: 4372.8/35

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: -1.079 ± 0.368 χ^2/NDF : 103.0/18

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

Left In: -1.391 ± 0.381 χ^2/NDF : 121.1/16

Left: -1.229 ± 0.265 χ^2/NDF : 224.5/35

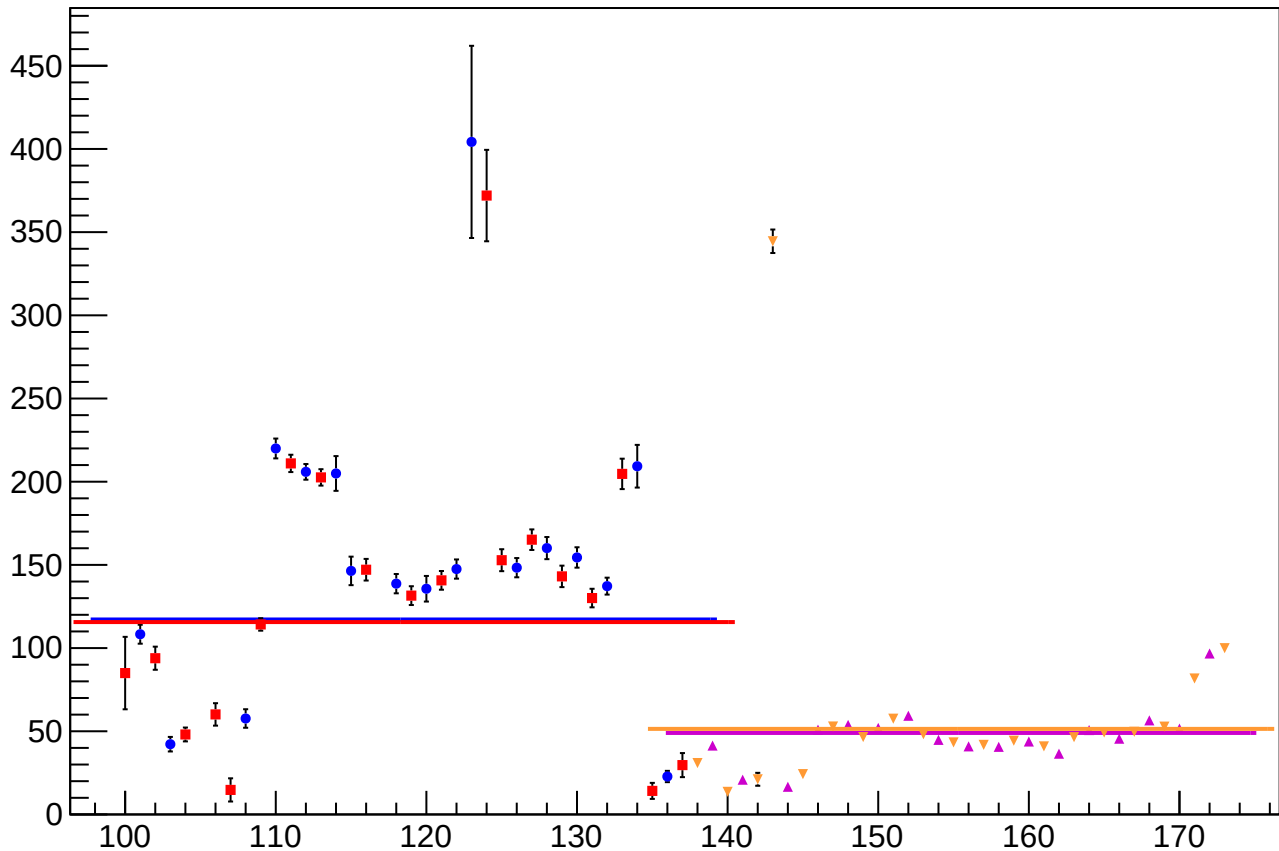
Right: -7.304 ± 0.548 χ^2/NDF : 538.5/35

In: -2.505 ± 0.343 χ^2/NDF : 449.6/33

Out: -2.263 ± 0.331 χ^2/NDF : 412.9/37

All: -2.380 ± 0.238 χ^2/NDF : 862.8/71

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 $\pm$ 1.416 χ^2 /NDF: 2161.0/16

Left Out: 51.438 $\pm$ 0.509 χ^2 /NDF:3157.4/18

Right Out: 115.632 $\pm$ 1.361 χ^2 /NDF: 2137.6/18

Left In: 48.985 $\pm$ 0.515 χ^2 /NDF:963.1/16

Left: 50.227 $\pm$ 0.362 χ^2 /NDF: 4132.0/35

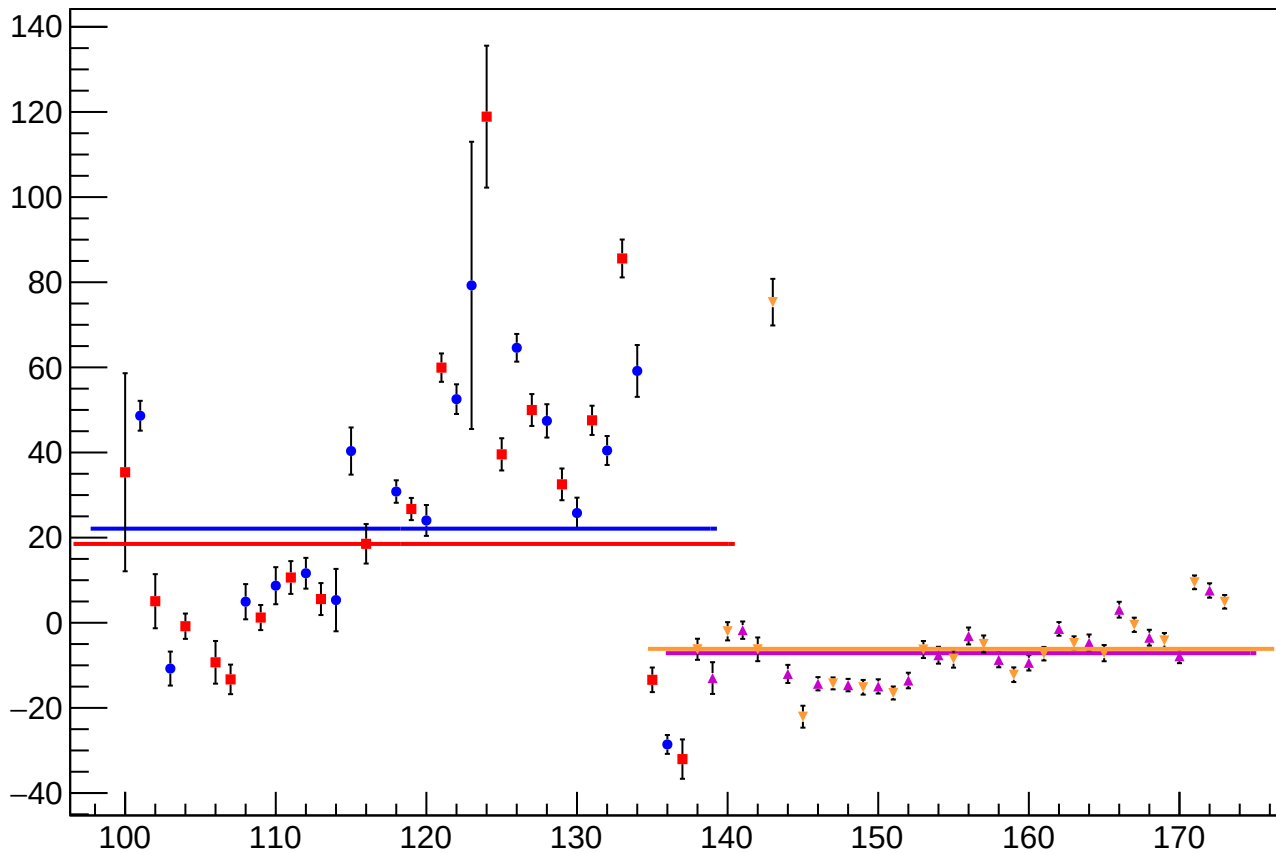
Right: 116.378 $\pm$ 0.981 χ^2 /NDF: 4299.2/35

In: 56.955 $\pm$ 0.484 χ^2 /NDF:5171.9/33

Out: 59.304 $\pm$ 0.476 χ^2 /NDF:7247.0/37

All: 58.148 $\pm$ 0.340 χ^2 /NDF: 12430.9/71

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.110 $\pm$ 0.898 χ^2 /NDF: 1070.3/16

Left Out: -6.125 $\pm$ 0.425 χ^2 /NDF: 538.8/18

Right Out: 18.521 $\pm$ 0.871 χ^2 /NDF: 1068.6/18

Left In: -7.139 $\pm$ 0.440 χ^2 /NDF: 226.7/16

Left: -6.614 $\pm$ 0.306 χ^2 /NDF: 768.2/35

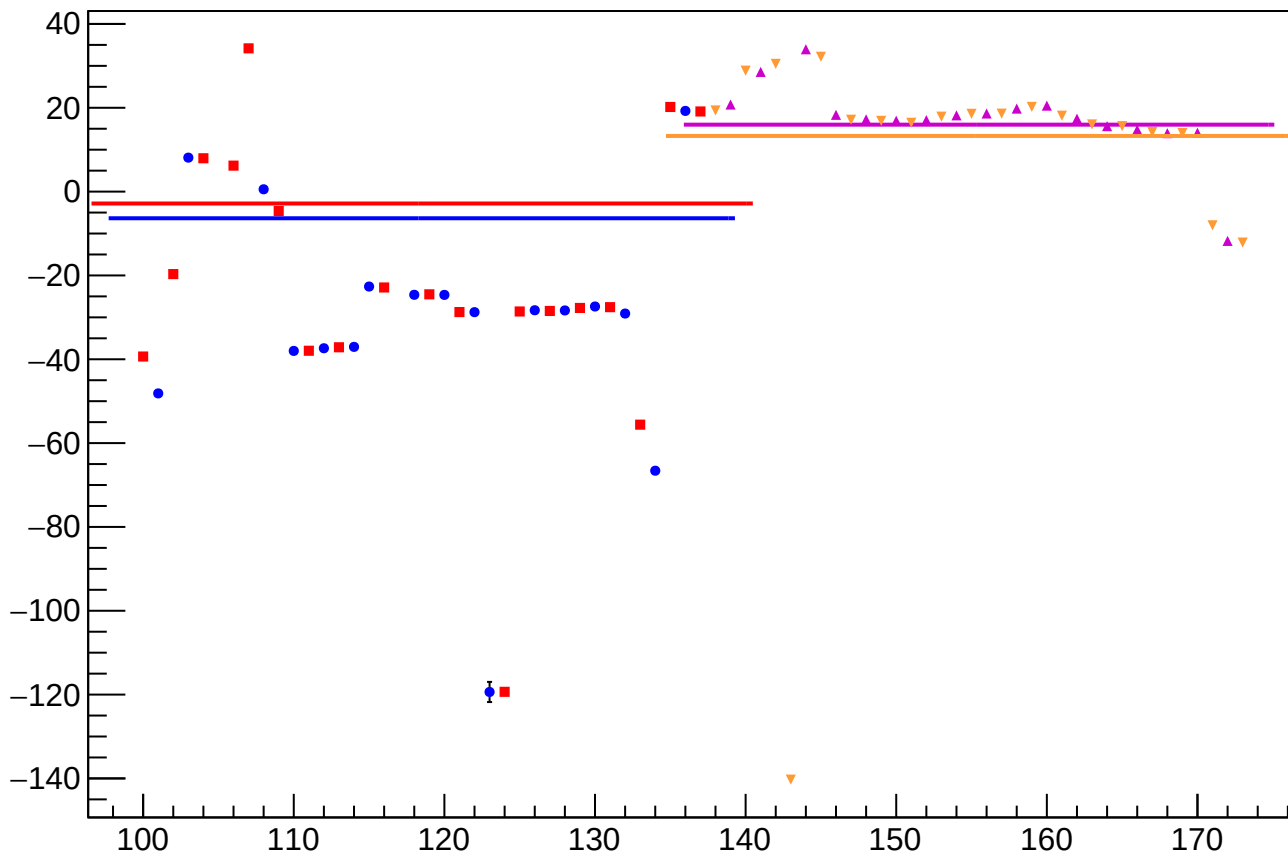
Right: 20.261 $\pm$ 0.625 χ^2 /NDF: 2147.1/35

In: -1.473 $\pm$ 0.395 χ^2 /NDF: 2152.1/33

Out: -1.388 $\pm$ 0.382 χ^2 /NDF: 2253.9/37

All: -1.429 $\pm$ 0.275 χ^2 /NDF: 4406.0/71

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 ± 0.046 χ^2/NDF : 264750.9/16

Left Out: 13.280 ± 0.020 χ^2/NDF : 617237.9/18

Right Out: -2.837 ± 0.046 χ^2/NDF : 265573.0/18

Left In: 15.972 ± 0.020 χ^2/NDF : 199818.9/16

Left: 14.602 ± 0.014 χ^2/NDF : 826245.5/35

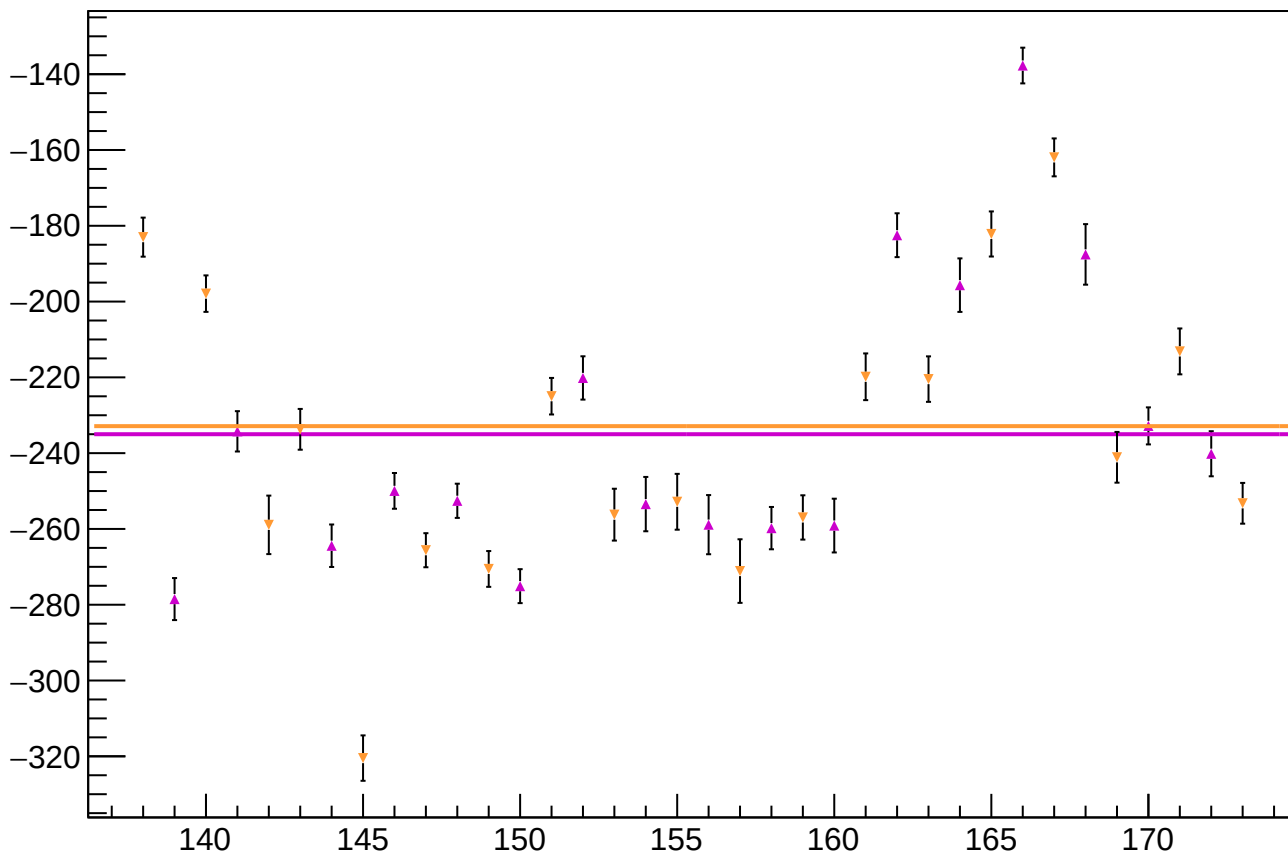
Right: -4.577 ± 0.033 χ^2/NDF : 533252.4/35

In: 12.452 ± 0.018 χ^2/NDF : 660432.1/33

Out: 10.765 ± 0.018 χ^2/NDF : 987569.7/37

All: 11.594 ± 0.013 χ^2/NDF : 1652288.2/71

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -232.874+/-1.305 χ^2/NDF :856.4/18

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

Left In: -235.003+/-1.358 χ^2/NDF :824.0/16

Left: -233.897+/-0.941 χ^2/NDF : 1681.8/35

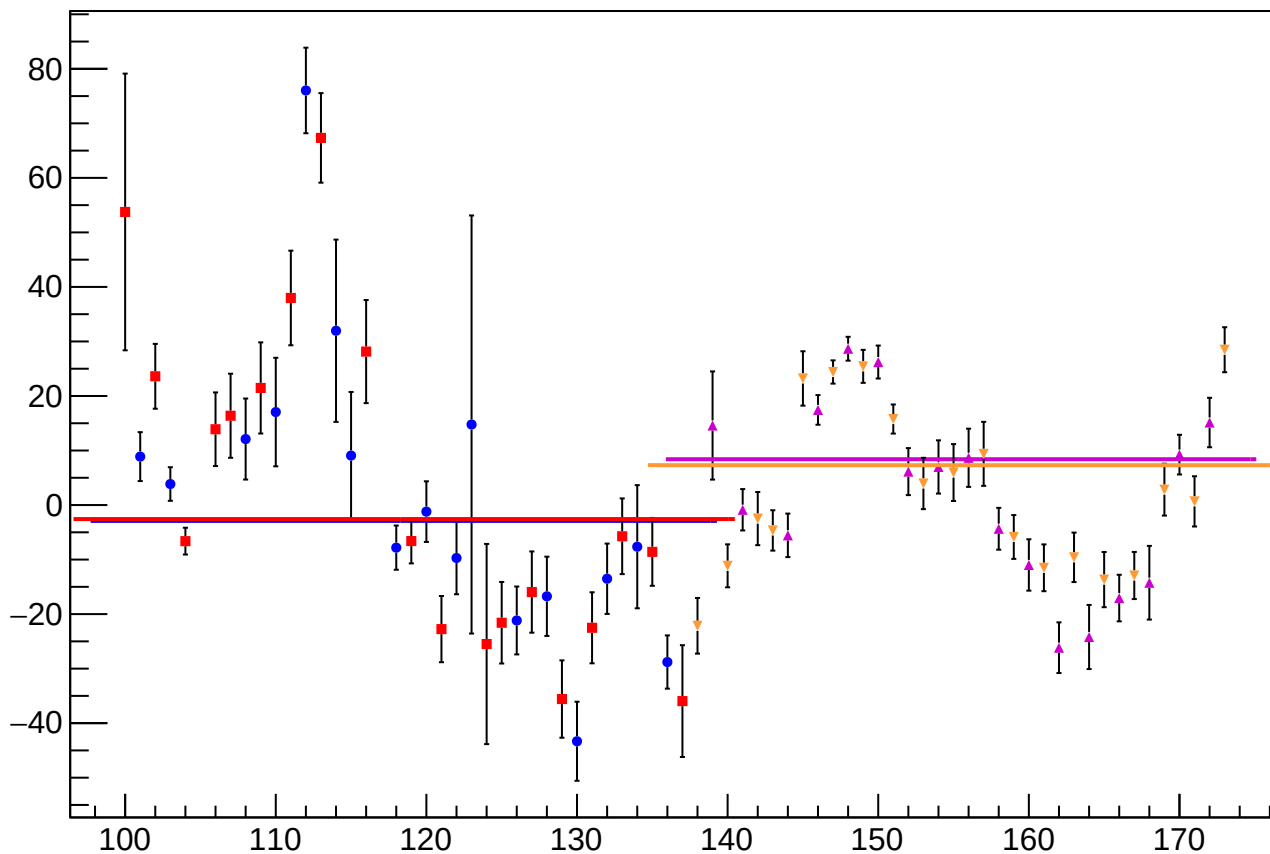
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -235.003+/-1.358 χ^2/NDF :824.0/16

Out: -232.874+/-1.305 χ^2/NDF :856.4/18

All: -233.897+/-0.941 χ^2/NDF : 1681.8/35

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 7.311 ± 0.896 χ^2/NDF : 303.2/18

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

Left In: 8.401 ± 0.946 χ^2/NDF : 313.8/16

Left: 7.826 ± 0.650 χ^2/NDF : 617.7/35

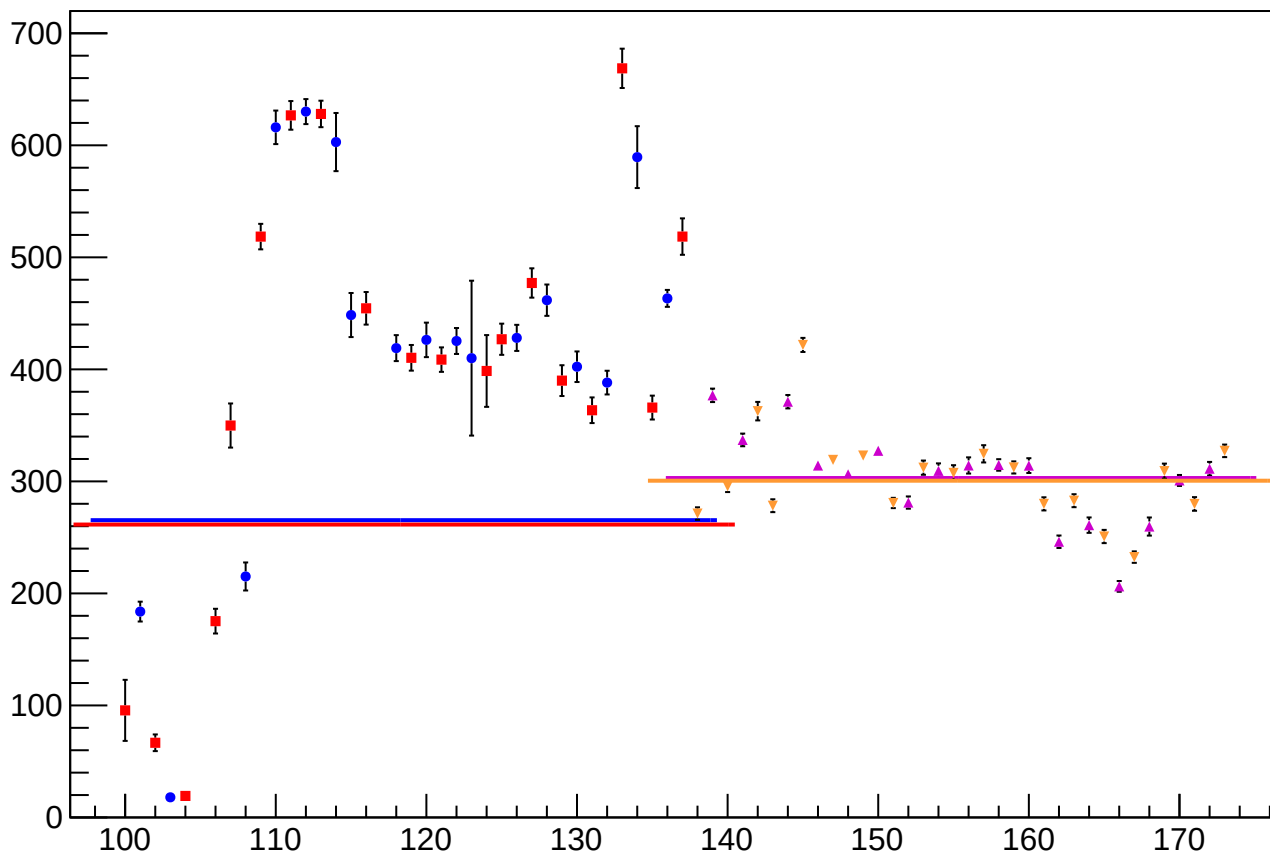
Right: -2.728 ± 1.011 χ^2/NDF : 421.8/35

In: 5.080 ± 0.795 χ^2/NDF : 559.3/33

Out: 4.432 ± 0.754 χ^2/NDF : 556.9/37

All: 4.738 ± 0.547 χ^2/NDF : 1116.5/71

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369 $\pm$ 2.488 χ^2 /NDF: 7633.8/16

Left Out: 300.605 $\pm$ 1.292 χ^2 /NDF:859.9/18

Right Out: 261.465 $\pm$ 2.458 χ^2 /NDF: 8204.3/18

Left In: 302.985 $\pm$ 1.330 χ^2 /NDF:962.1/16

Left: 301.761 $\pm$ 0.927 χ^2 /NDF: 1823.7/35

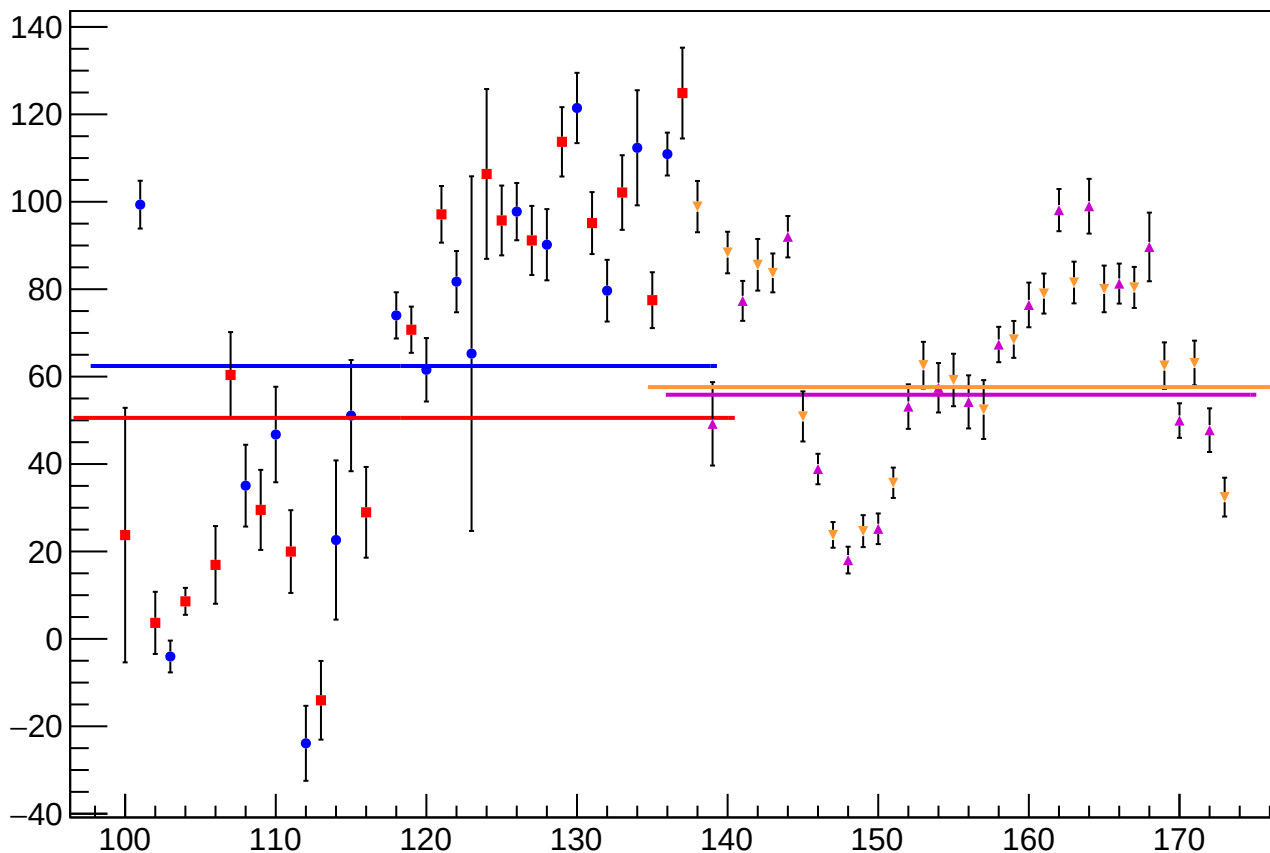
Right: 263.393 $\pm$ 1.749 χ^2 /NDF: 15839.3/35

In: 294.626 $\pm$ 1.173 χ^2 /NDF:8773.7/33

Out: 292.131 $\pm$ 1.144 χ^2 /NDF:9262.9/37

All: 293.347 $\pm$ 0.819 χ^2 /NDF: 18039.0/71

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.434+/-1.694 χ^2/NDF : 721.8/16

Left Out: 57.609+/-1.058 χ^2/NDF : 533.8/18

Right Out: 50.560+/-1.642 χ^2/NDF : 657.4/18

Left In: 55.854+/-1.113 χ^2/NDF : 536.8/16

Left: 56.776+/-0.767 χ^2/NDF : 1071.9/35

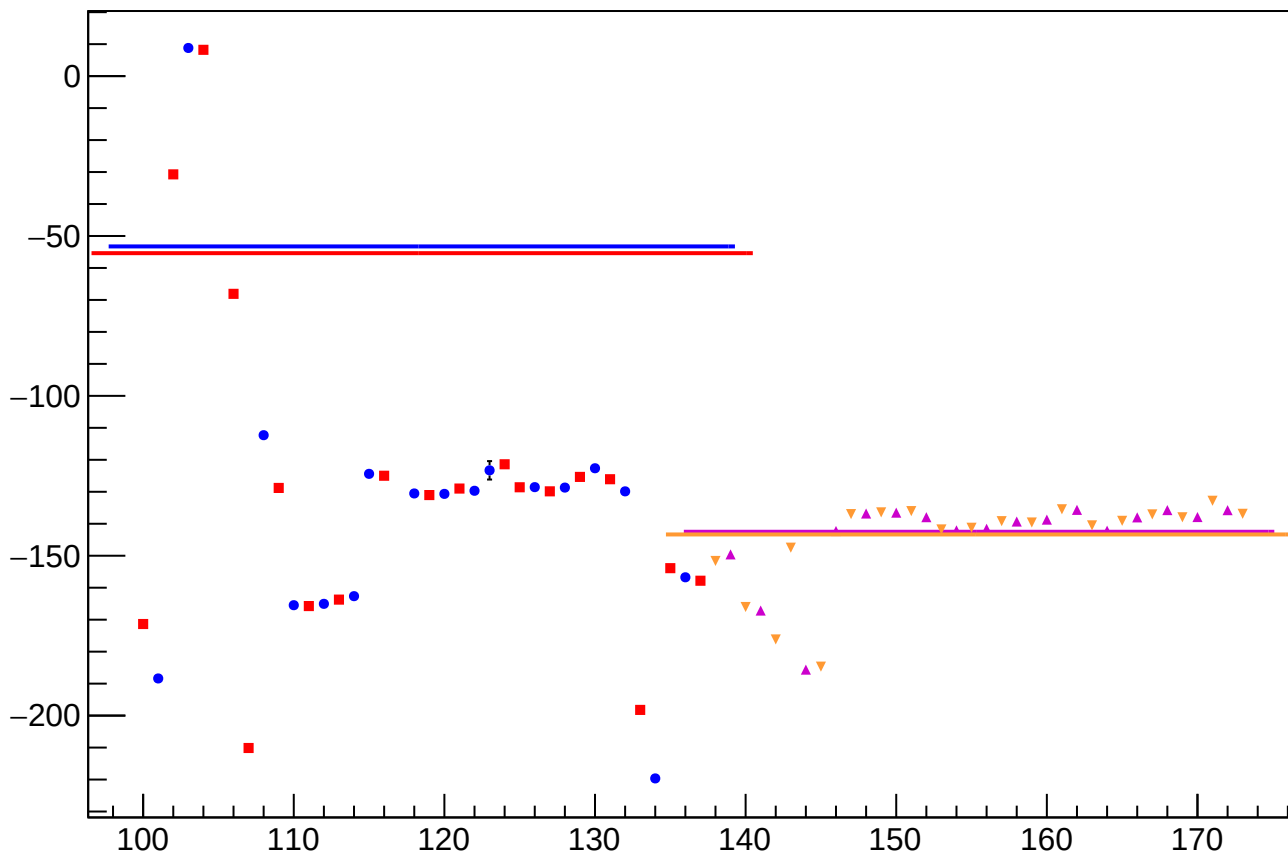
Right: 56.313+/-1.179 χ^2/NDF : 1404.5/35

In: 57.839+/-0.930 χ^2/NDF : 1269.1/33

Out: 55.542+/-0.889 χ^2/NDF : 1204.2/37

All: 56.639+/-0.643 χ^2/NDF : 2476.5/71

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 ± 0.070 $\chi^2/\text{NDF}: 1225492.9/16$

Left Out: -143.346 ± 0.051 $\chi^2/\text{NDF}: 60361.6/18$

Right Out: -55.373 ± 0.072 $\chi^2/\text{NDF}: 967027.2/18$

Left In: -142.507 ± 0.053 $\chi^2/\text{NDF}: 46329.5/16$

Left: -142.938 ± 0.037 $\chi^2/\text{NDF}: 106821.9/35$

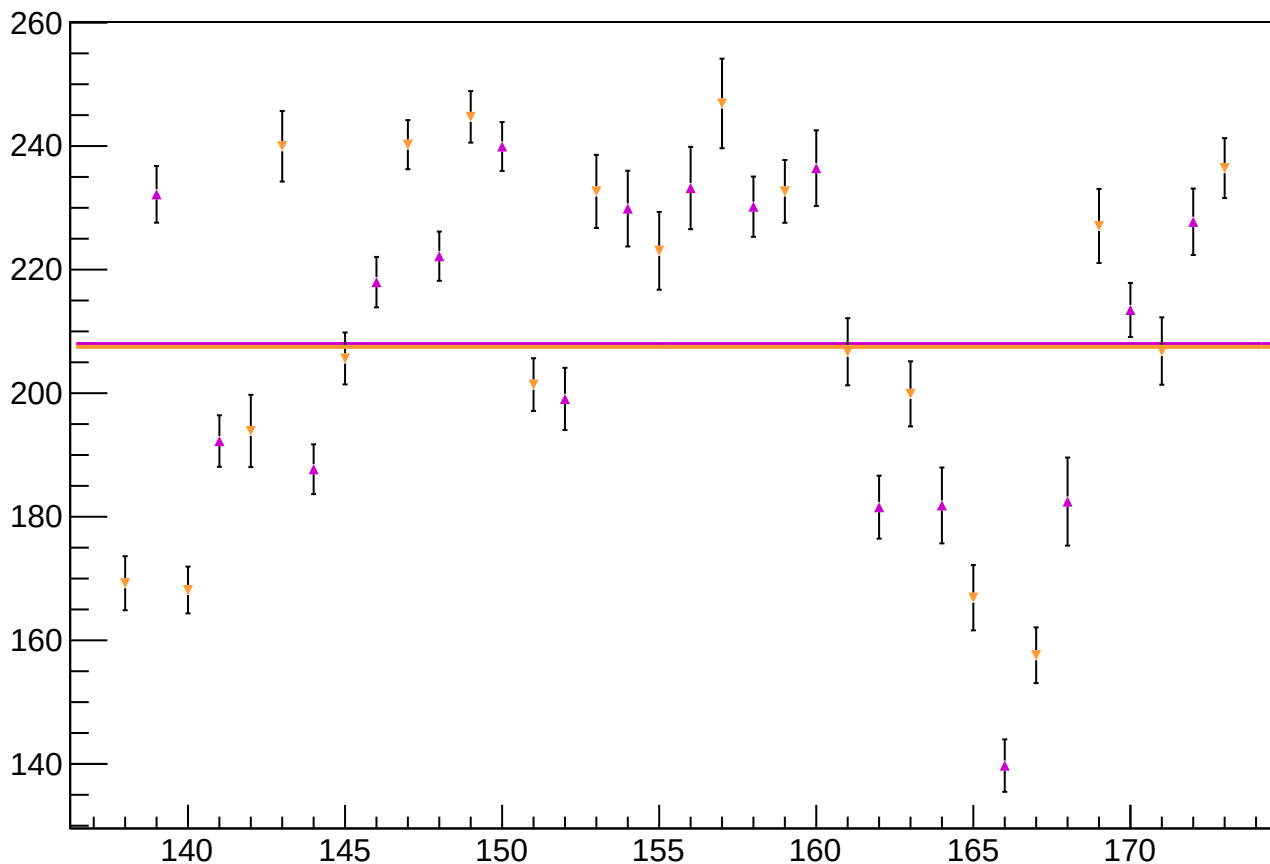
Right: -54.295 ± 0.050 $\chi^2/\text{NDF}: 2192958.9/35$

In: -110.559 ± 0.042 $\chi^2/\text{NDF}: 2303165.3/33$

Out: -113.791 ± 0.042 $\chi^2/\text{NDF}: 2020109.9/37$

All: -112.191 ± 0.030 $\chi^2/\text{NDF}: 4326247.0/71$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 207.495+/-1.129 χ^2/NDF :680.2/18

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

Left In: 207.961+/-1.164 χ^2/NDF :555.4/16

Left: 207.721+/-0.810 χ^2/NDF : 1235.7/35

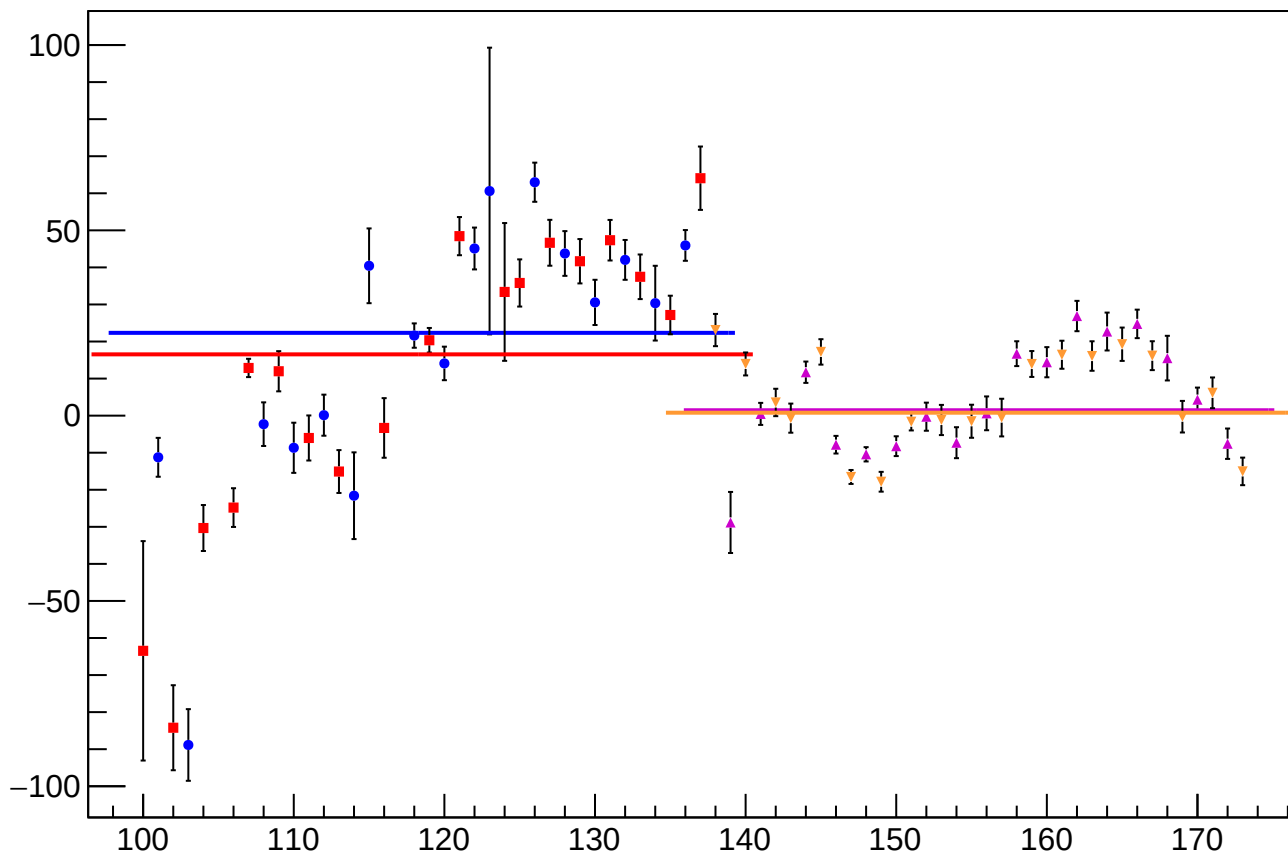
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 207.961+/-1.164 χ^2/NDF :555.4/16

Out: 207.495+/-1.129 χ^2/NDF :680.2/18

All: 207.721+/-0.810 χ^2/NDF : 1235.7/35

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342+/-1.395 χ^2/NDF : 385.8/16

Left Out: 0.795+/-0.779 χ^2/NDF :301.3/18

Right Out: 16.537+/-1.227 χ^2/NDF : 426.6/18

Left In: 1.454+/-0.815 χ^2/NDF :231.8/16

Left: 1.110+/-0.563 χ^2/NDF : 533.5/35

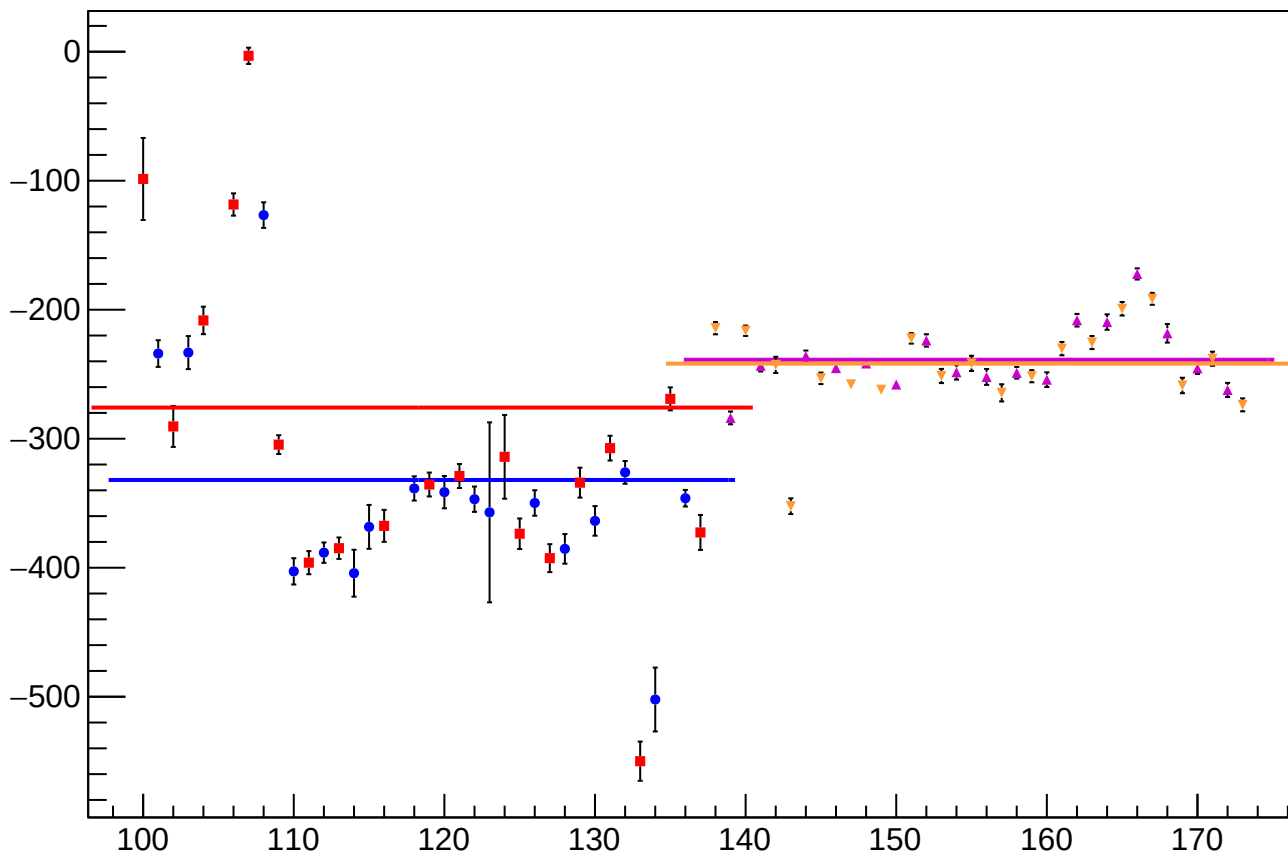
Right: 19.069+/-0.922 χ^2/NDF : 822.2/35

In: 6.770+/-0.704 χ^2/NDF :784.8/33

Out: 5.317+/-0.658 χ^2/NDF :845.1/37

All: 5.994+/-0.481 χ^2/NDF : 1632.2/71

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.989 ± 2.580 χ^2/NDF : 785.0/16

Left Out: -241.783 ± 1.120 χ^2/NDF : 744.4/18

Right Out: -275.842 ± 2.325 χ^2/NDF : 3362.2/18

Left In: -238.778 ± 1.145 χ^2/NDF : 471.8/16

Left: -240.313 ± 0.801 χ^2/NDF : 1219.7/35

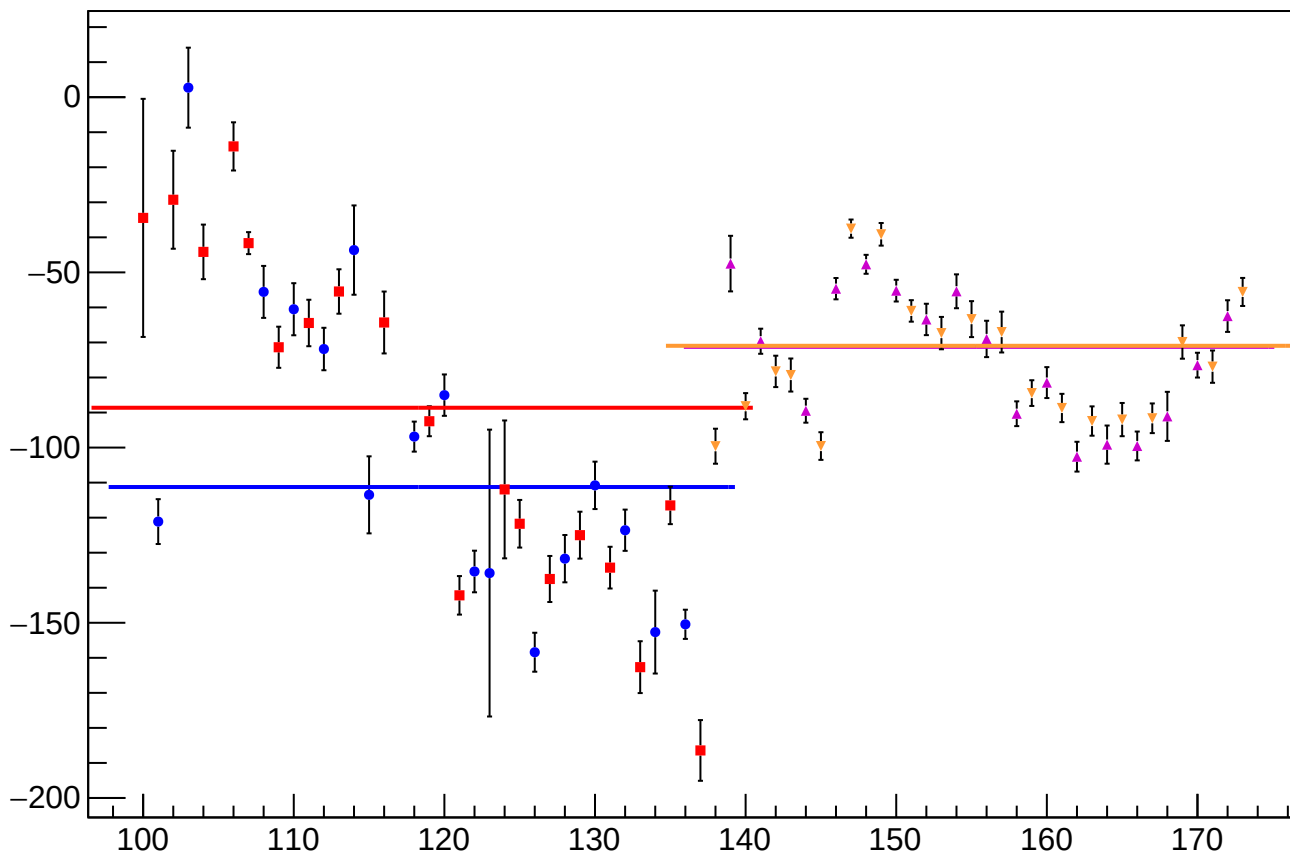
Right: -300.997 ± 1.727 χ^2/NDF : 4408.6/35

In: -254.103 ± 1.046 χ^2/NDF : 2347.2/33

Out: -248.202 ± 1.009 χ^2/NDF : 4280.9/37

All: -251.046 ± 0.726 χ^2/NDF : 6644.6/71

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -70.952 ± 0.920 χ^2/NDF : 508.4/18

Right Out: -88.633 ± 1.433 χ^2/NDF : 971.0/18

Left In: -71.260 ± 0.959 χ^2/NDF : 360.6/16

Left: -71.100 ± 0.664 χ^2/NDF : 869.1/35

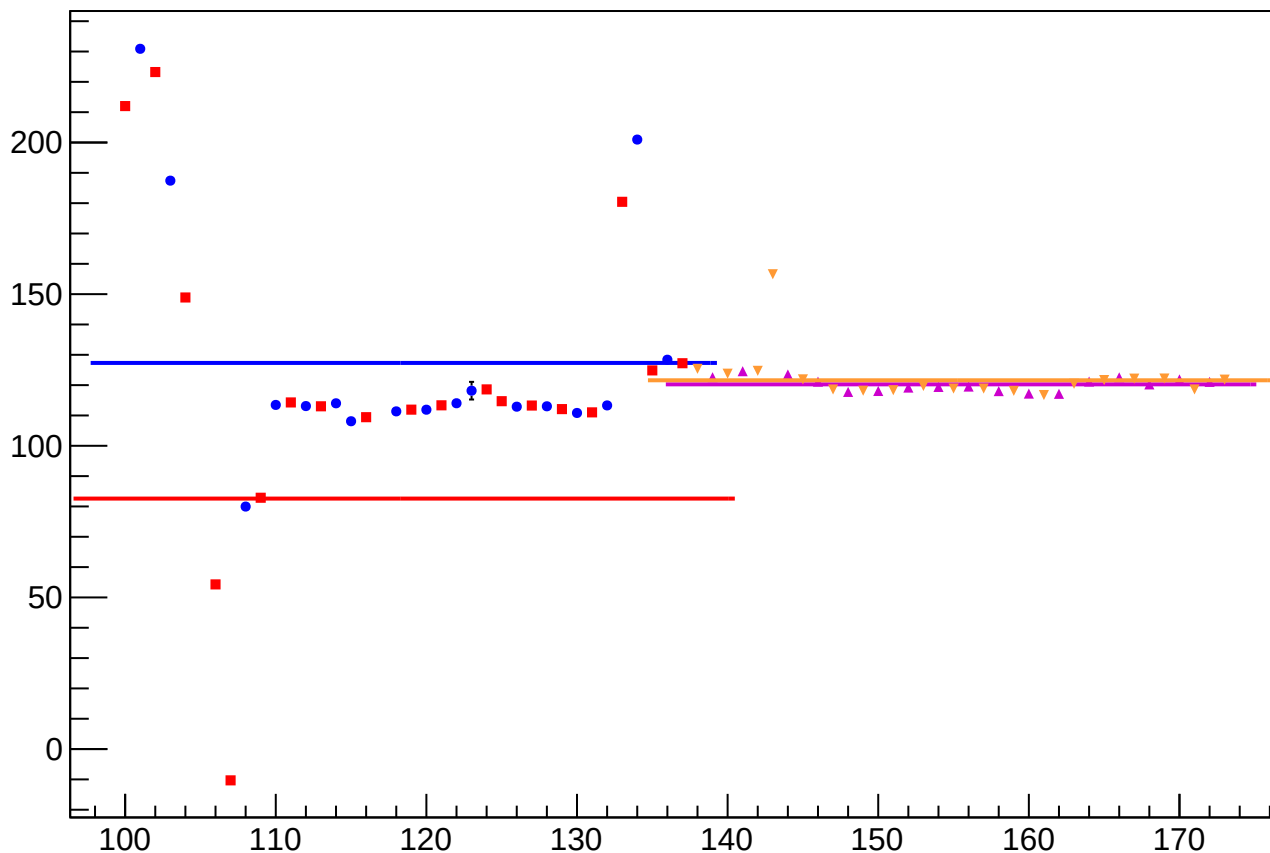
Right: -98.723 ± 1.067 χ^2/NDF : 1591.7/35

In: -81.856 ± 0.822 χ^2/NDF : 1331.2/33

Out: -76.111 ± 0.774 χ^2/NDF : 1587.2/37

All: -78.811 ± 0.564 χ^2/NDF : 2944.3/71

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.323 $\pm$ 0.089 χ^2 /NDF: 187776.4/16

Left Out: 121.598 $\pm$ 0.044 χ^2 /NDF: 23934.8/18

Right Out: 82.595 $\pm$ 0.075 χ^2 /NDF: 765022.5/18

Left In: 120.264 $\pm$ 0.045 χ^2 /NDF: 2532.5/16

Left: 120.945 $\pm$ 0.032 χ^2 /NDF: 26910.5/35

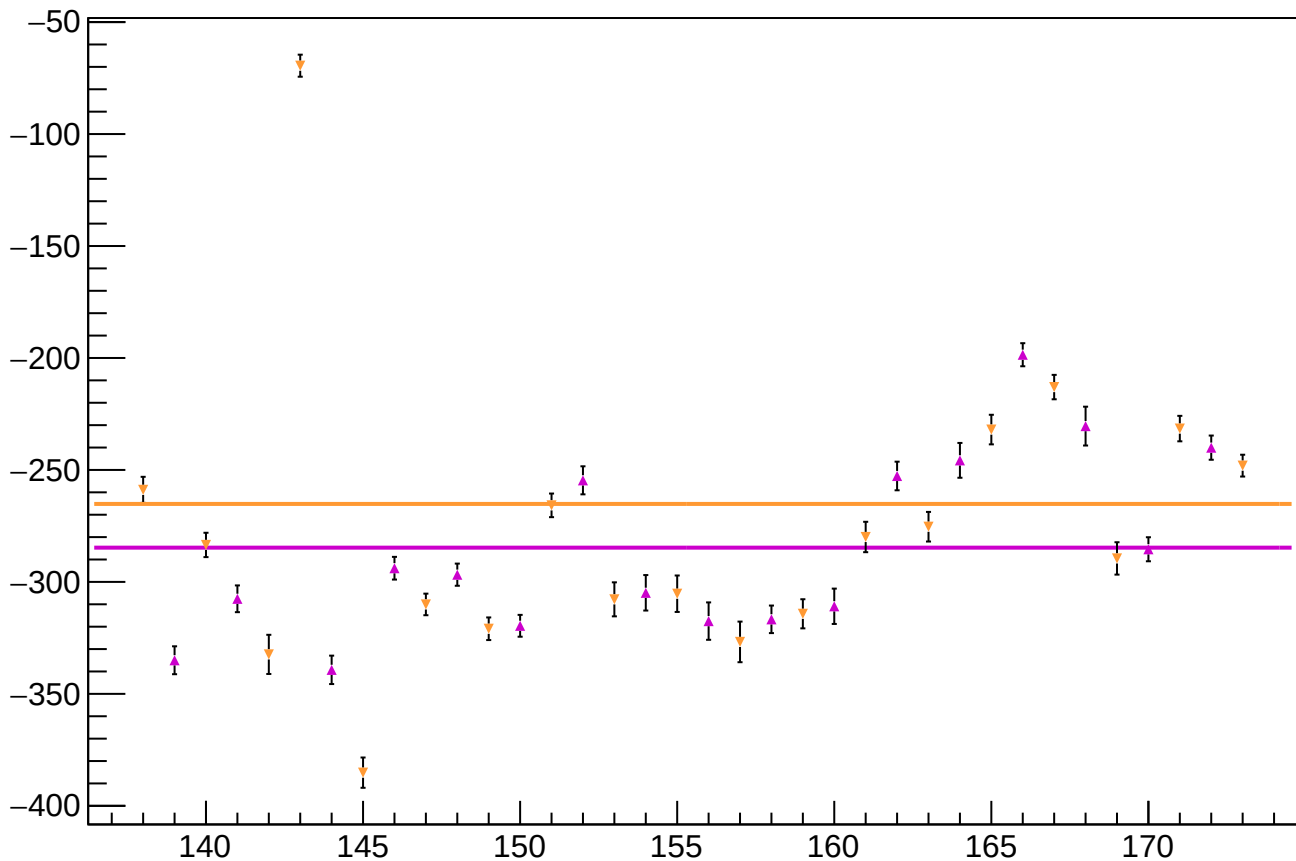
Right: 101.169 $\pm$ 0.058 χ^2 /NDF: 1099026.8/35

In: 121.704 $\pm$ 0.040 χ^2 /NDF: 195266.7/33

Out: 111.558 $\pm$ 0.038 χ^2 /NDF: 987797.0/37

All: 116.352 $\pm$ 0.028 χ^2 /NDF: 1216322.5/71

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -265.181+/-1.388 χ^2/NDF :2516.4/18

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

Left In: -284.706+/-1.475 χ^2/NDF :734.4/16

Left: -274.348+/-1.011 χ^2/NDF : 3343.8/35

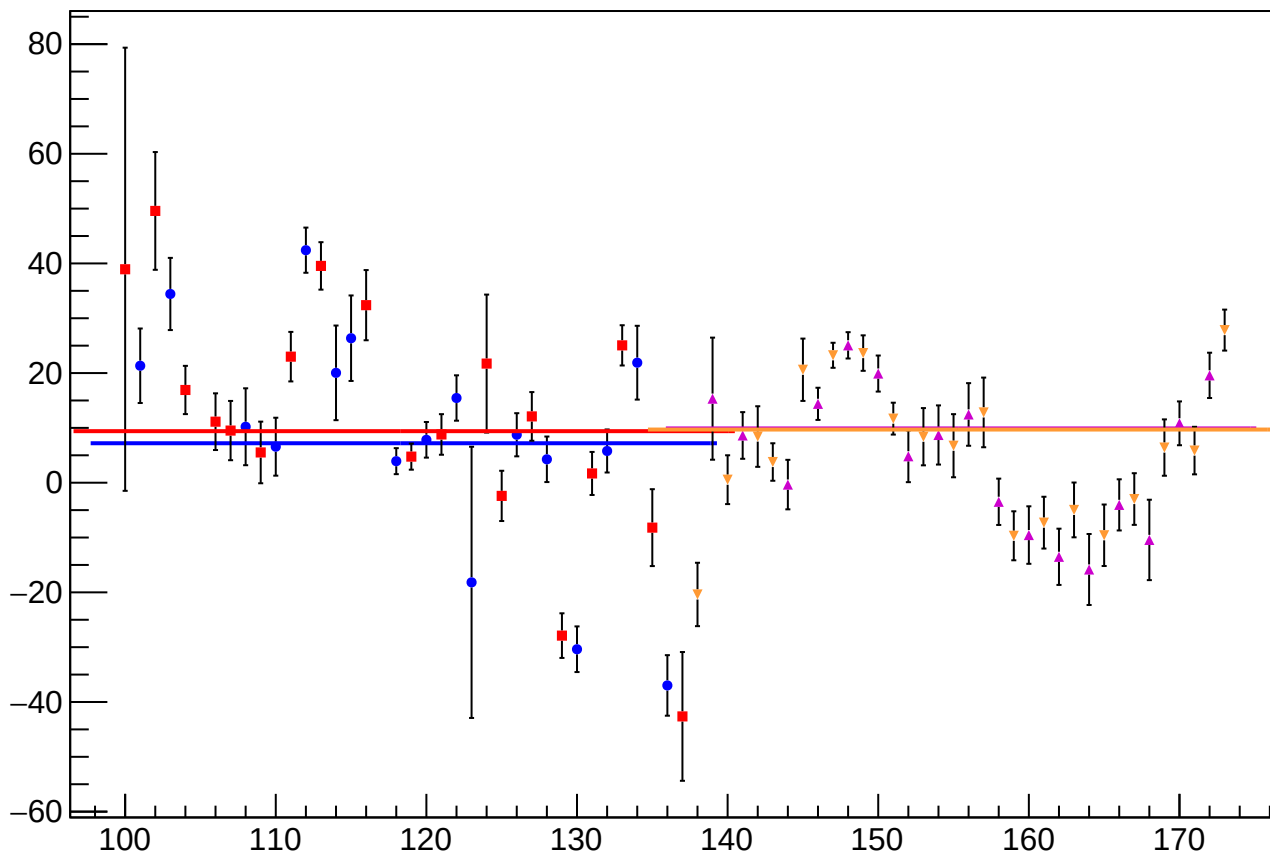
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -284.706+/-1.475 χ^2/NDF :734.4/16

Out: -265.181+/-1.388 χ^2/NDF :2516.4/18

All: -274.348+/-1.011 χ^2/NDF : 3343.8/35

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 9.698 ± 0.953 χ^2/NDF : 177.0/18

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

Left In: 9.903 ± 1.029 χ^2/NDF : 140.9/16

Left: 9.793 ± 0.699 χ^2/NDF : 317.9/35

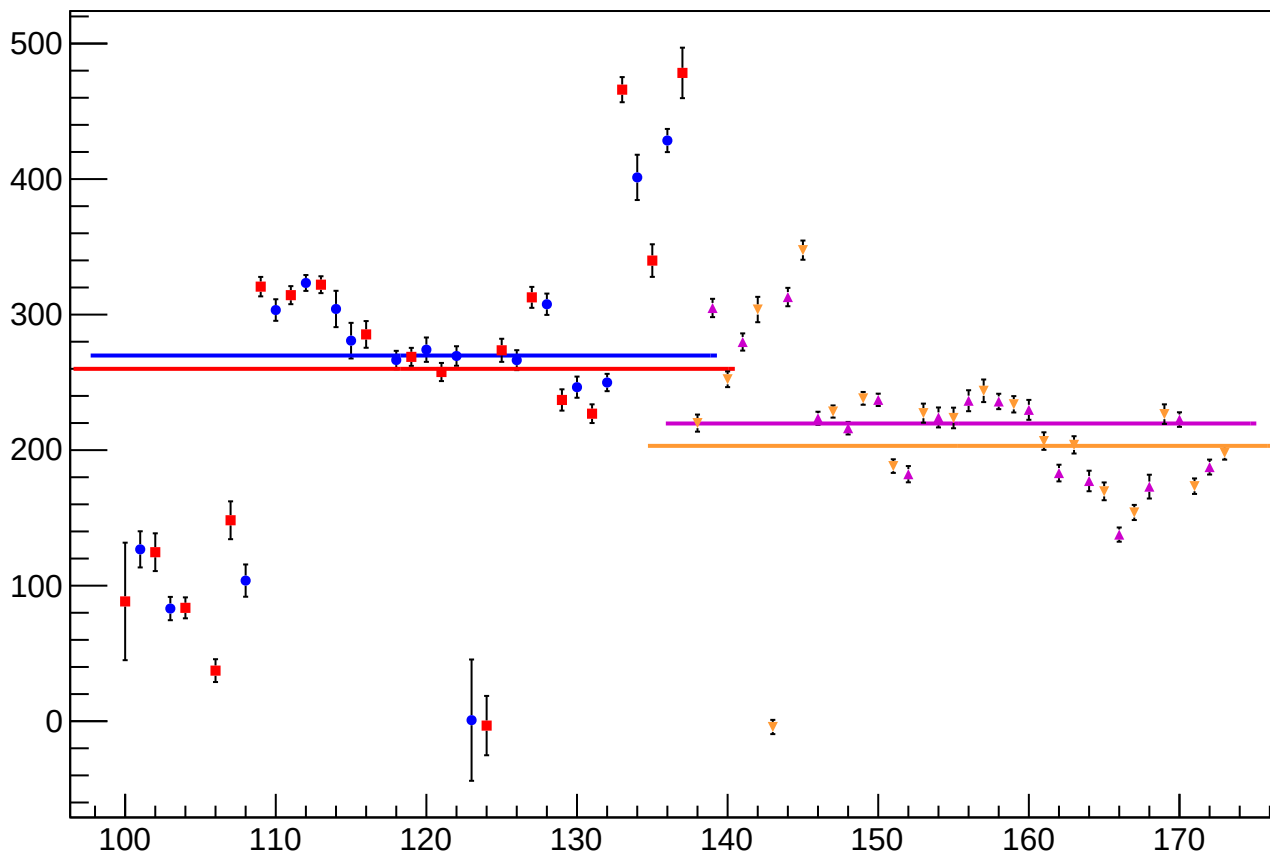
Right: 8.333 ± 0.768 χ^2/NDF : 495.1/35

In: 8.645 ± 0.752 χ^2/NDF : 405.0/33

Out: 9.568 ± 0.712 χ^2/NDF : 409.2/37

All: 9.132 ± 0.517 χ^2/NDF : 815.0/71

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 203.151 $\pm$ 1.376 χ^2 /NDF:2474.8/18

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

Left In: 219.656 $\pm$ 1.445 χ^2 /NDF:880.6/16

Left: 210.999 $\pm$ 0.997 χ^2 /NDF: 3423.8/35

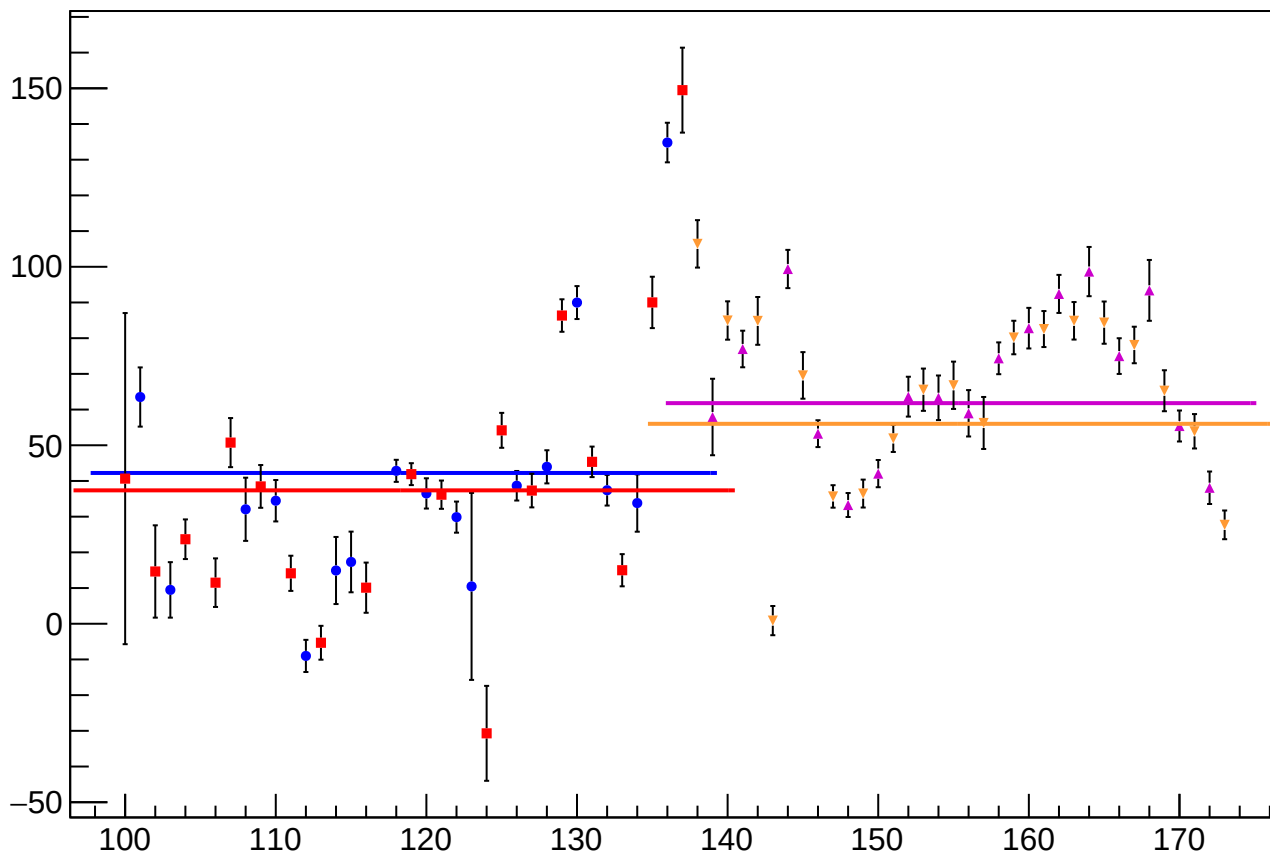
Right: 264.622 $\pm$ 1.436 χ^2 /NDF: 3924.4/35

In: 235.890 $\pm$ 1.189 χ^2 /NDF:2644.4/33

Out: 221.702 $\pm$ 1.129 χ^2 /NDF:5570.1/37

All: 228.434 $\pm$ 0.819 χ^2 /NDF: 8289.3/71

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 56.008 $\pm$ 1.124 χ^2 /NDF: 542.5/18

Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

Left In: 61.802 $\pm$ 1.209 χ^2 /NDF: 295.7/16

Left: 58.693 $\pm$ 0.823 χ^2 /NDF: 850.5/35

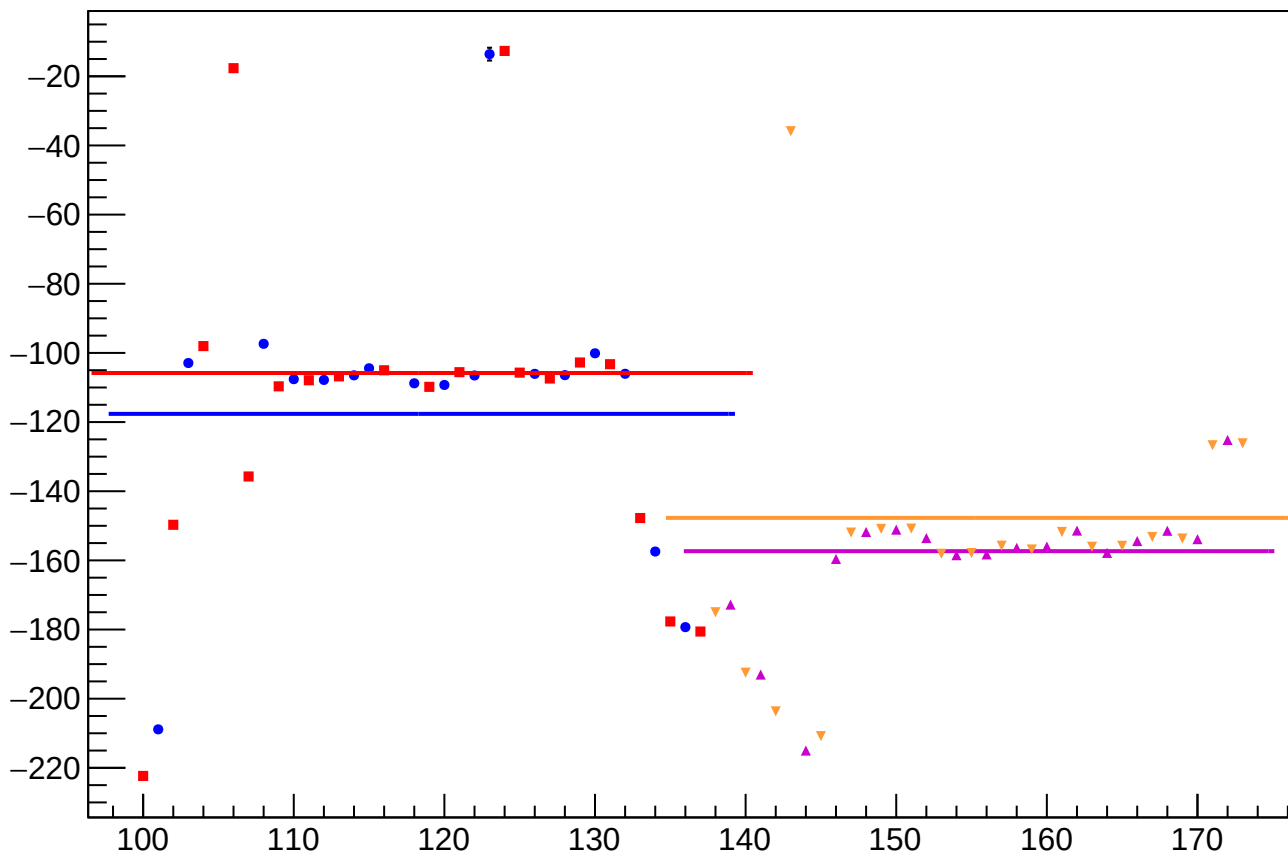
Right: 39.728 $\pm$ 0.886 χ^2 /NDF: 1054.2/35

In: 52.527 $\pm$ 0.877 χ^2 /NDF: 994.1/33

Out: 47.560 $\pm$ 0.831 χ^2 /NDF: 1139.5/37

All: 49.910 $\pm$ 0.603 χ^2 /NDF: 2150.5/71

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.625+/-0.079 χ^2/NDF : 141872.3/16

Left Out: -147.705+/-0.054 χ^2/NDF : 433159.4/18

Right Out: -105.807+/-0.073 χ^2/NDF : 323108.1/18

Left In: -157.332+/-0.057 χ^2/NDF : 91762.4/16

Left: -152.285+/-0.039 χ^2/NDF : 539860.9/35

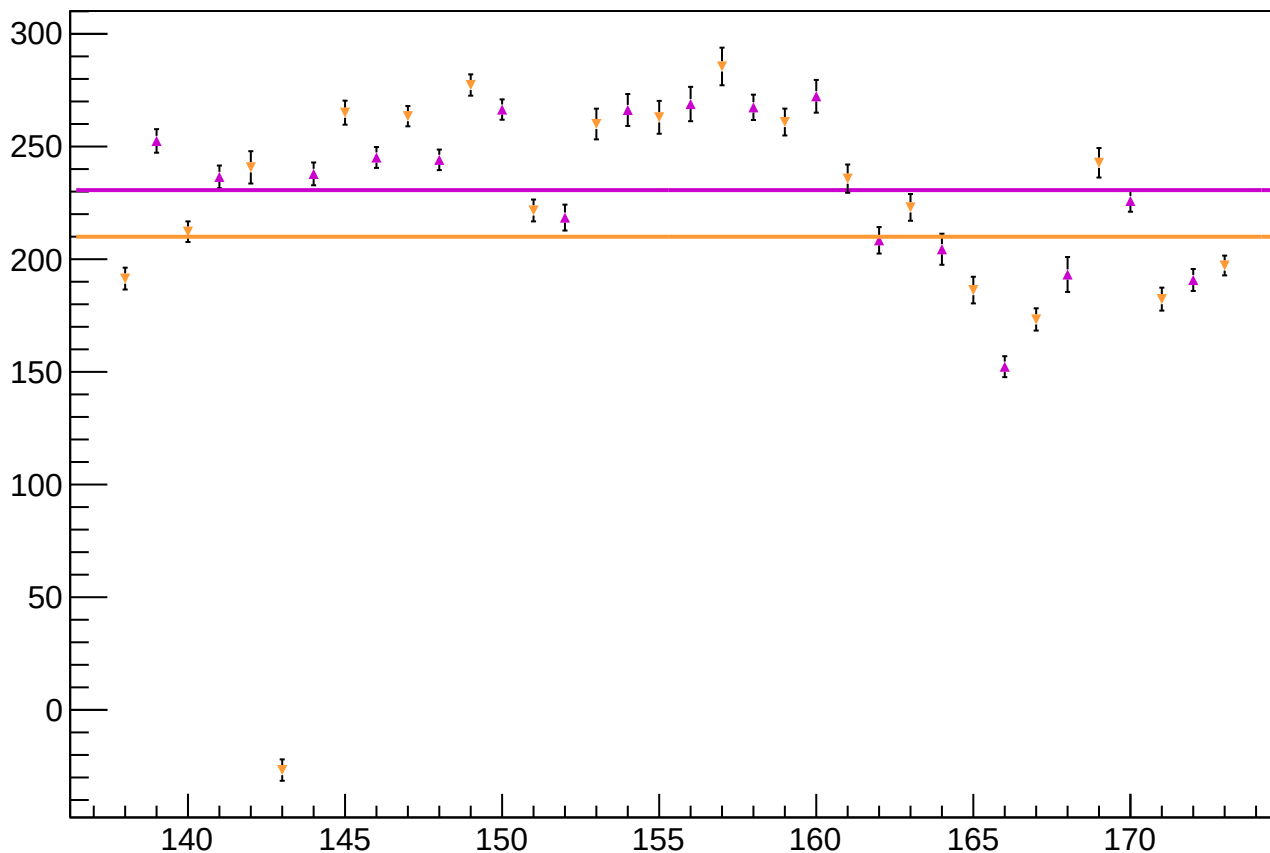
Right: -111.270+/-0.053 χ^2/NDF : 477157.6/35

In: -143.622+/-0.046 χ^2/NDF : 401032.2/33

Out: -132.724+/-0.044 χ^2/NDF : 968982.9/37

All: -137.857+/-0.032 χ^2/NDF : 1399524.2/71

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 209.974 $\pm$ 1.244 χ^2/NDF :3385.5/18

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

Left In: 230.661 $\pm$ 1.318 χ^2/NDF :637.1/16

Left: 219.726 $\pm$ 0.905 χ^2/NDF : 4152.9/35

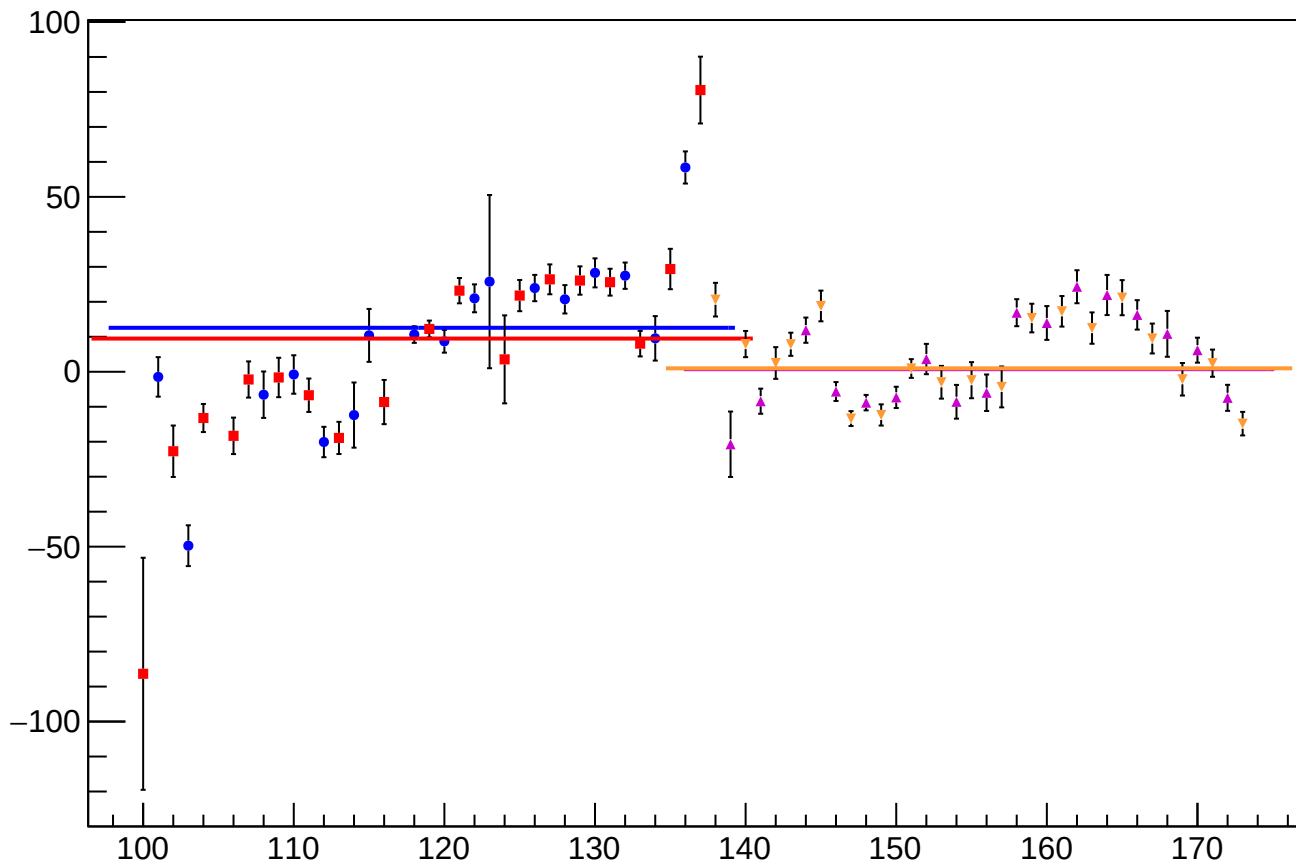
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 230.661 $\pm$ 1.318 χ^2/NDF :637.1/16

Out: 209.974 $\pm$ 1.244 χ^2/NDF :3385.5/18

All: 219.726 $\pm$ 0.905 χ^2/NDF : 4152.9/35

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574 $\pm$ 1.074 χ^2 /NDF: 348.0/16

Left Out: 0.984 $\pm$ 0.862 χ^2 /NDF:183.4/18

Right Out: 9.493 $\pm$ 1.047 χ^2 /NDF: 295.8/18

Left In: 0.738 $\pm$ 0.927 χ^2 /NDF:145.3/16

Left: 0.870 $\pm$ 0.631 χ^2 /NDF: 328.7/35

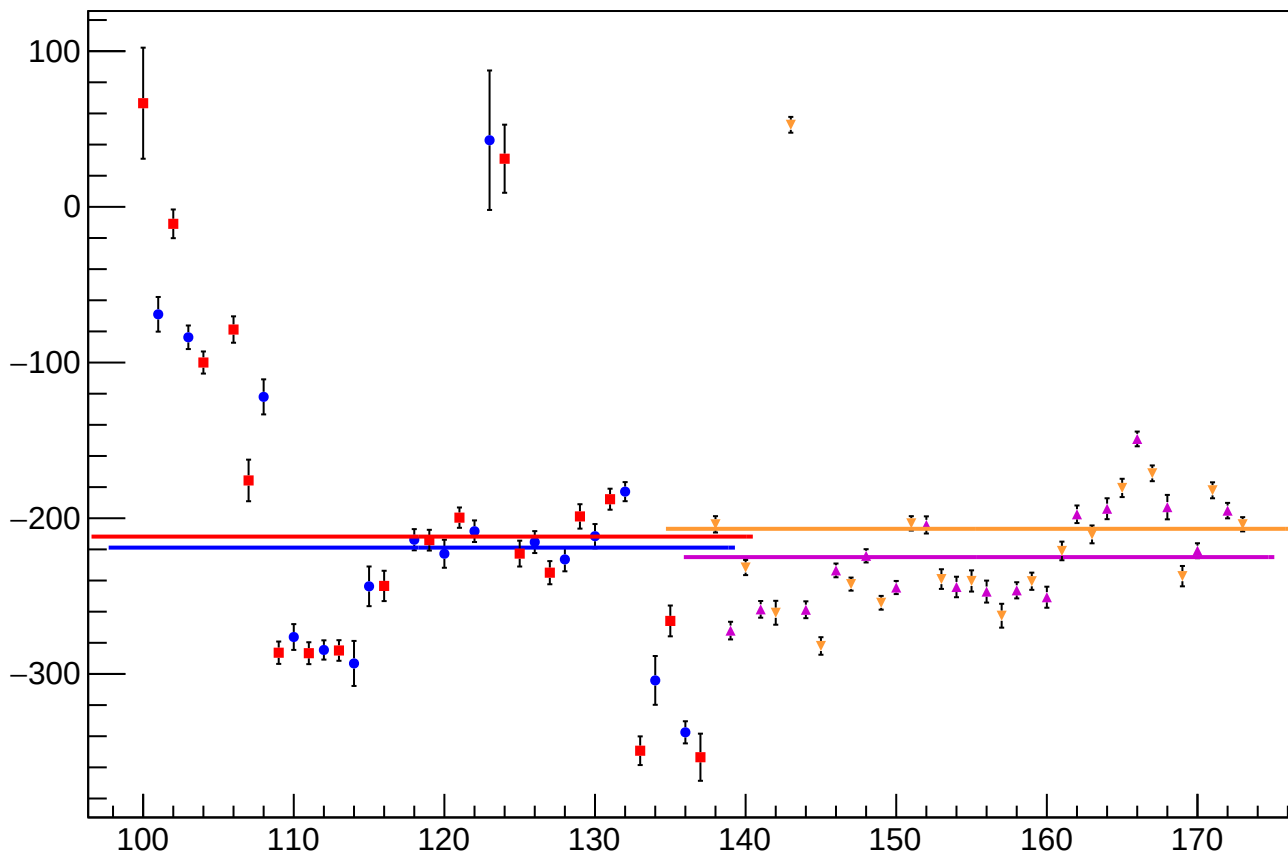
Right: 10.995 $\pm$ 0.750 χ^2 /NDF: 648.0/35

In: 5.789 $\pm$ 0.702 χ^2 /NDF:562.9/33

Out: 4.423 $\pm$ 0.666 χ^2 /NDF:518.6/37

All: 5.070 $\pm$ 0.483 χ^2 /NDF: 1083.5/71

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855 ± 2.023 χ^2/NDF : 1146.6/16

Left Out: -206.782 ± 1.238 χ^2/NDF : 3316.7/18

Right Out: -211.780 ± 1.924 χ^2/NDF : 1885.2/18

Left In: -224.952 ± 1.296 χ^2/NDF : 592.3/16

Left: -215.454 ± 0.895 χ^2/NDF : 4011.8/35

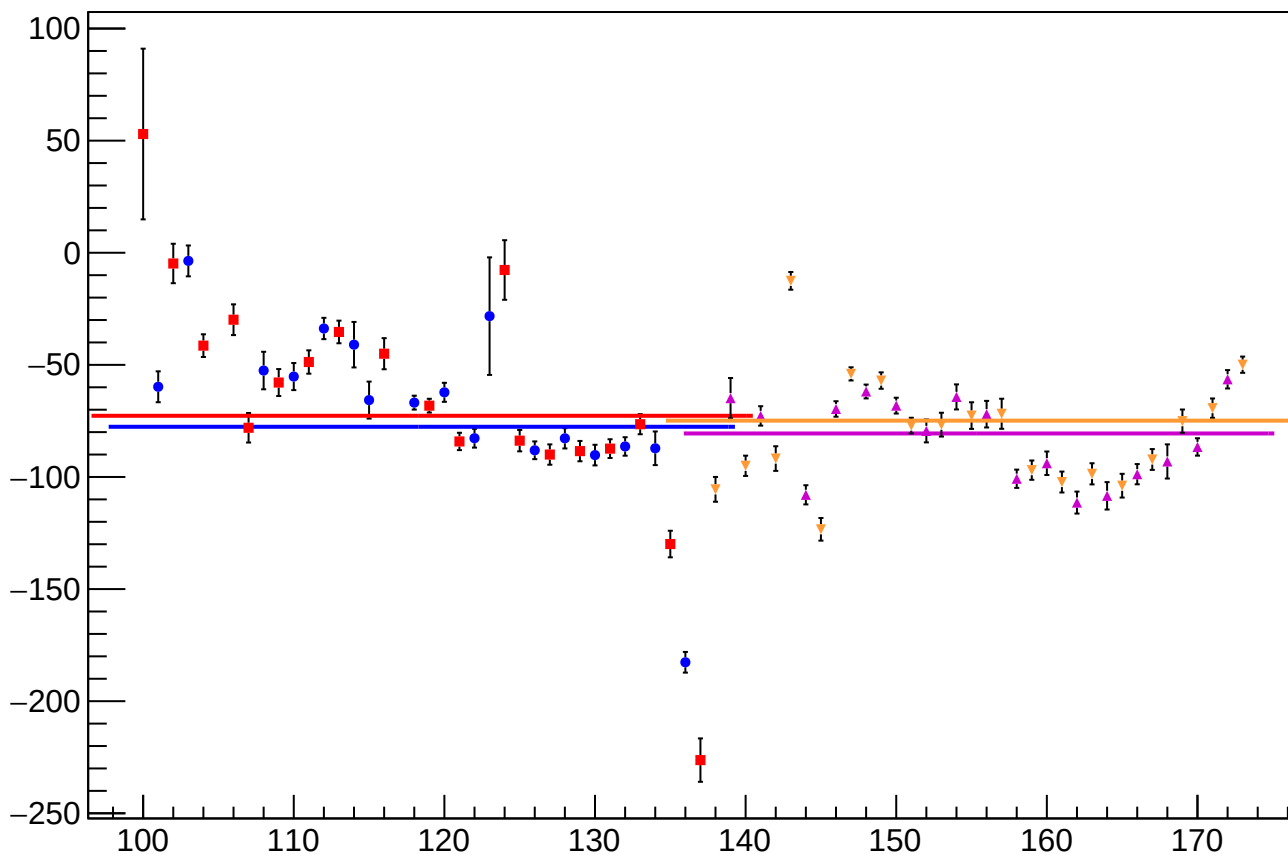
Right: -215.141 ± 1.394 χ^2/NDF : 3038.2/35

In: -223.178 ± 1.091 χ^2/NDF : 1745.3/33

Out: -208.246 ± 1.041 χ^2/NDF : 5206.7/37

All: -215.363 ± 0.753 χ^2/NDF : 7050.0/71

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -77.612 ± 1.236 χ^2/NDF : 815.9/16

Left Out: -74.874 ± 1.015 χ^2/NDF : 655.4/18

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

Left In: -80.590 ± 1.087 χ^2/NDF : 264.4/16

Left: -77.535 ± 0.742 χ^2/NDF : 934.5/35

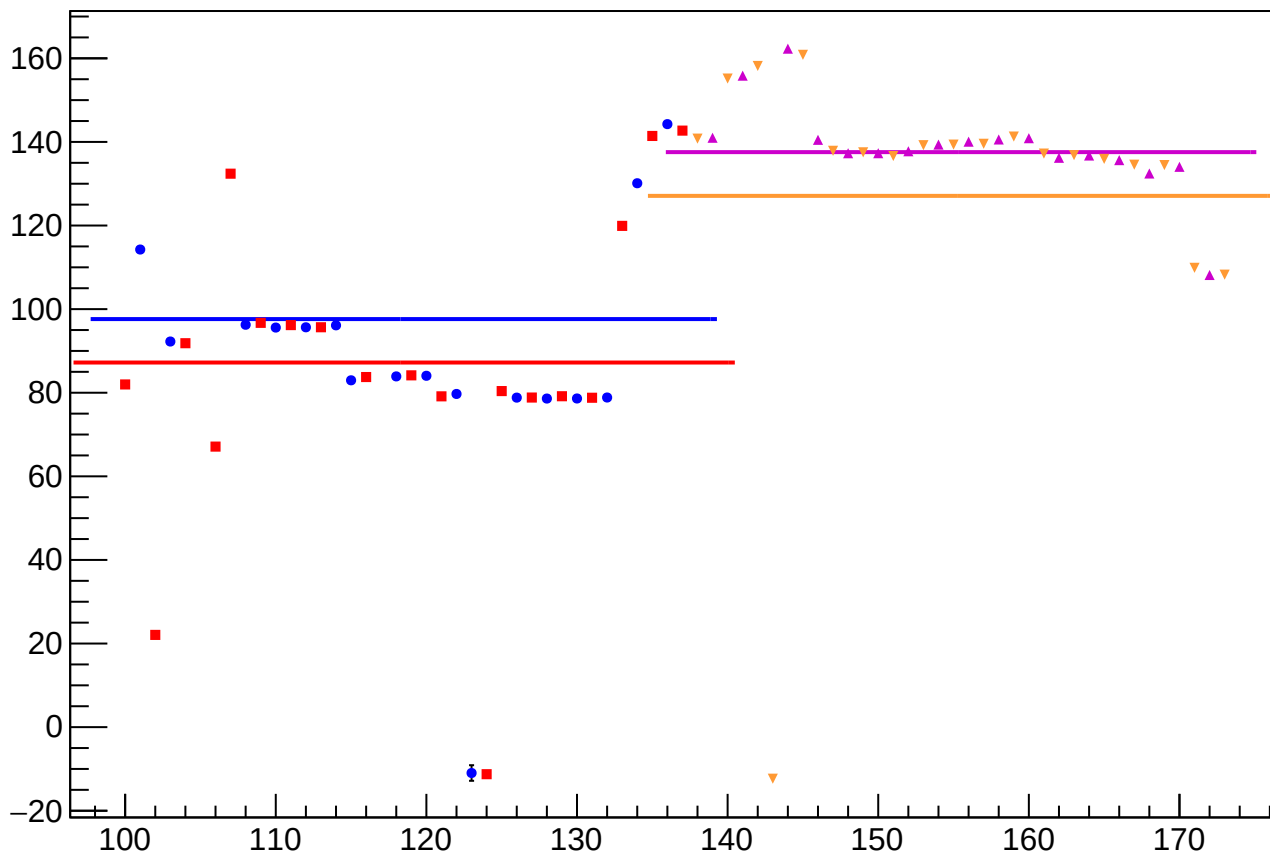
Right: -75.100 ± 0.863 χ^2/NDF : 1495.4/35

In: -79.291 ± 0.817 χ^2/NDF : 1083.5/33

Out: -73.977 ± 0.777 χ^2/NDF : 1328.7/37

All: -76.501 ± 0.563 χ^2/NDF : 2434.4/71

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.620 ± 0.074 $\chi^2/\text{NDF}: 94045.2/16$

Left Out: 127.096 ± 0.049 $\chi^2/\text{NDF}: 576987.2/18$

Right Out: 87.226 ± 0.068 $\chi^2/\text{NDF}: 220850.5/18$

Left In: 137.559 ± 0.051 $\chi^2/\text{NDF}: 47874.5/16$

Left: 132.090 ± 0.035 $\chi^2/\text{NDF}: 646782.2/35$

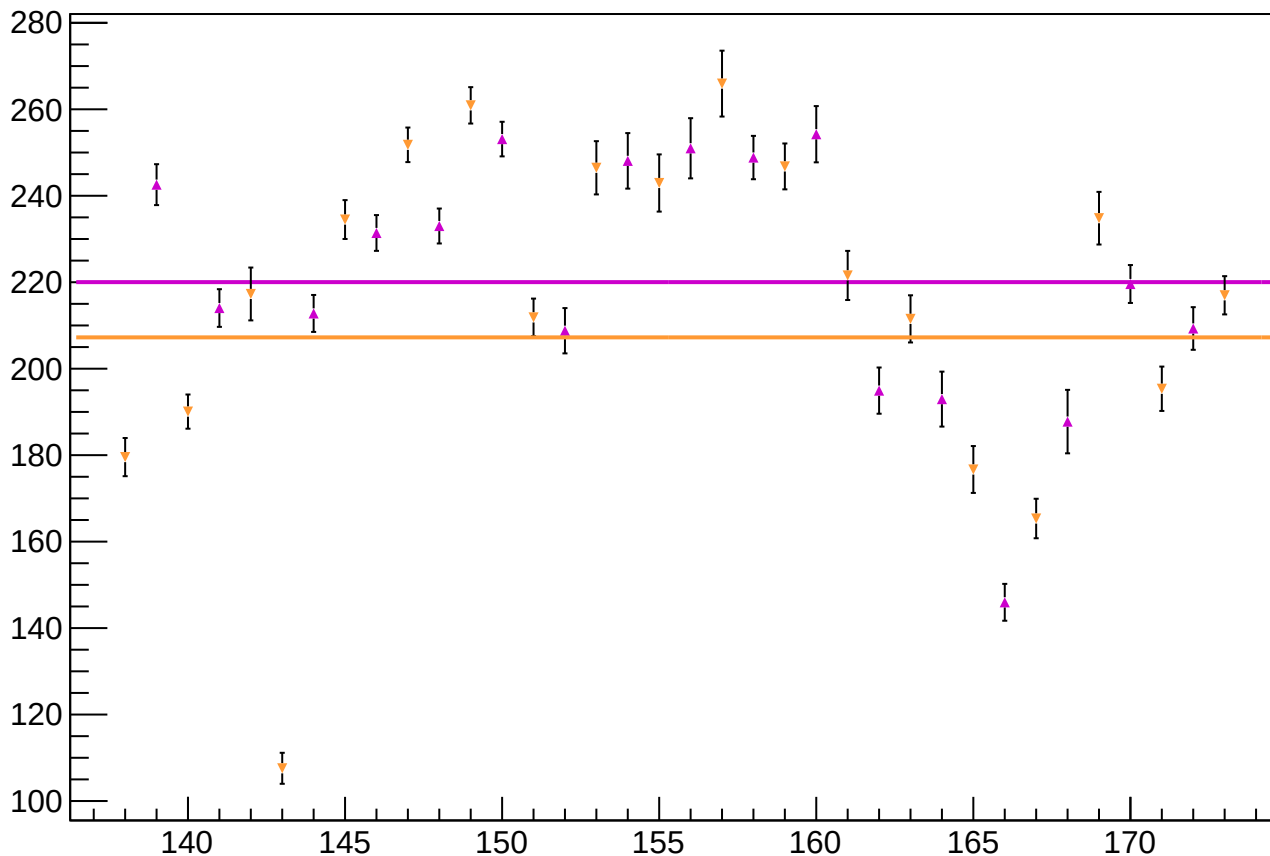
Right: 92.025 ± 0.050 $\chi^2/\text{NDF}: 325598.1/35$

In: 124.597 ± 0.042 $\chi^2/\text{NDF}: 340219.7/33$

Out: 113.605 ± 0.040 $\chi^2/\text{NDF}: 1023501.4/37$

All: 118.794 ± 0.029 $\chi^2/\text{NDF}: 1399891.3/71$

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 207.243+/-1.114 χ^2/NDF :1496.7/18

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

Left In: 220.023+/-1.191 χ^2/NDF :583.9/16

Left: 213.209+/-0.814 χ^2/NDF : 2142.1/35

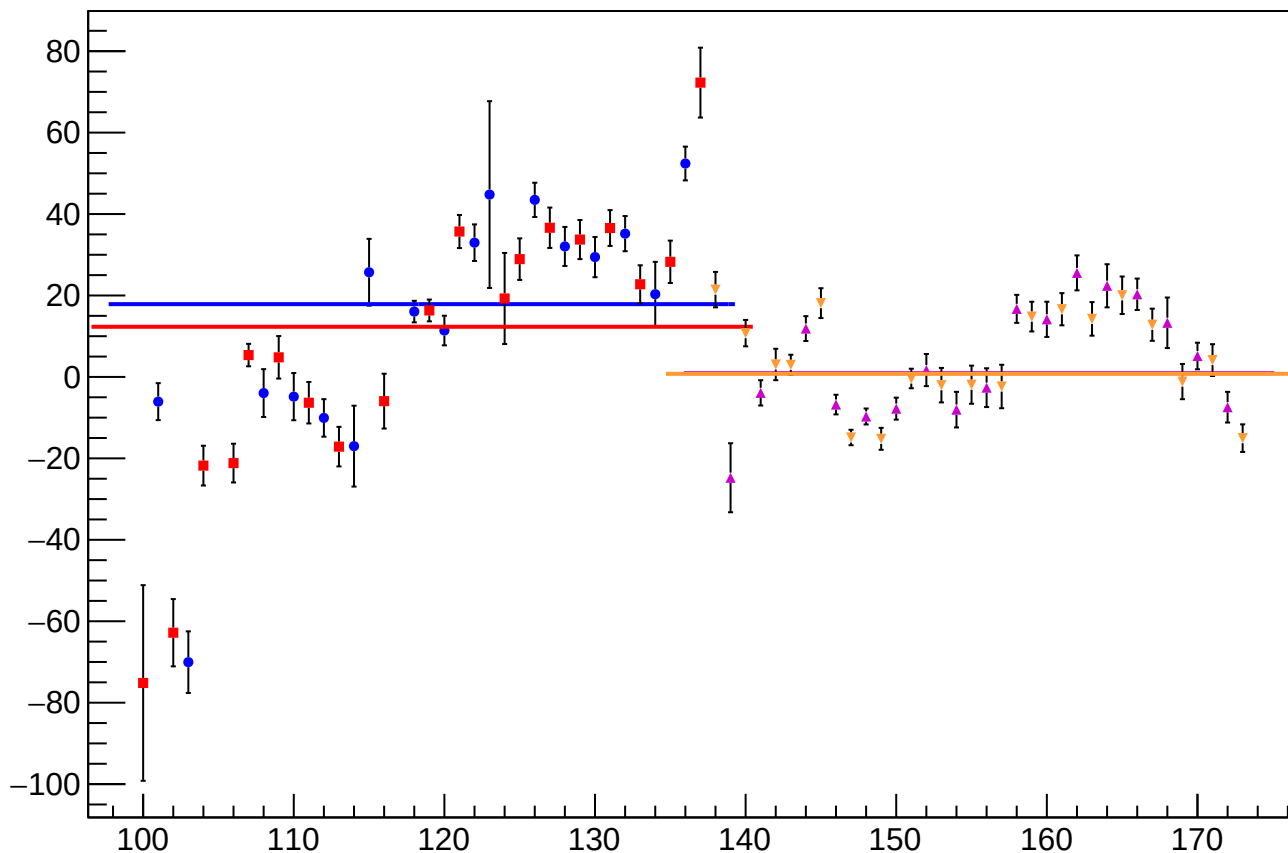
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 220.023+/-1.191 χ^2/NDF :583.9/16

Out: 207.243+/-1.114 χ^2/NDF :1496.7/18

All: 213.209+/-0.814 χ^2/NDF : 2142.1/35

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872 ± 1.166 χ^2/NDF : 395.3/16

Left Out: 0.763 ± 0.768 χ^2/NDF : 251.4/18

Right Out: 12.317 ± 1.083 χ^2/NDF : 444.0/18

Left In: 0.931 ± 0.833 χ^2/NDF : 194.9/16

Left: 0.840 ± 0.565 χ^2/NDF : 446.4/35

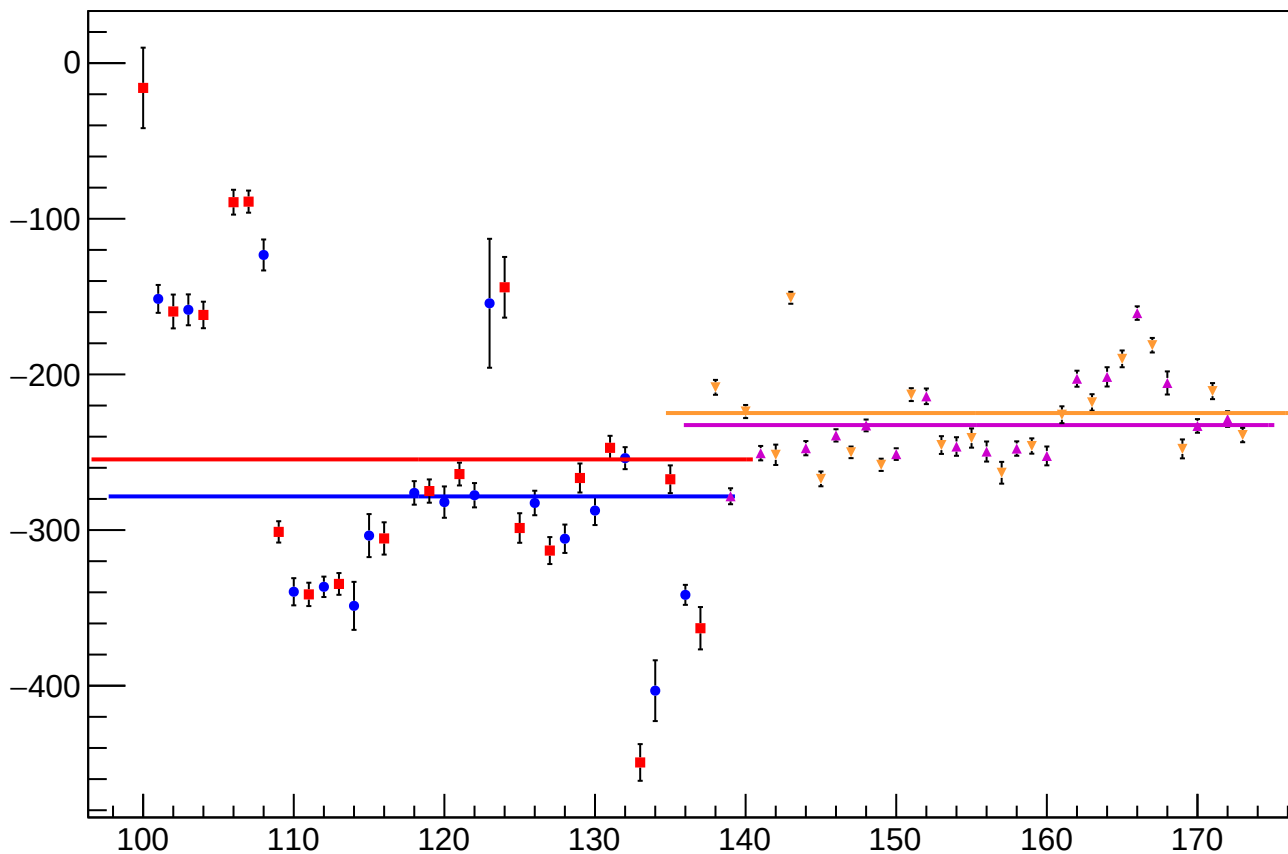
Right: 14.891 ± 0.794 χ^2/NDF : 851.6/35

In: 6.657 ± 0.678 χ^2/NDF : 730.1/33

Out: 4.628 ± 0.627 χ^2/NDF : 771.2/37

All: 5.563 ± 0.460 χ^2/NDF : 1506.1/71

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.380 ± 2.185 $\chi^2/\text{NDF}: 910.6/16$

Left Out: -224.814 ± 1.110 $\chi^2/\text{NDF}: 837.2/18$

Right Out: -254.603 ± 2.020 $\chi^2/\text{NDF}: 2037.5/18$

Left In: -232.546 ± 1.171 $\chi^2/\text{NDF}: 527.1/16$

Left: -228.476 ± 0.806 $\chi^2/\text{NDF}: 1387.2/35$

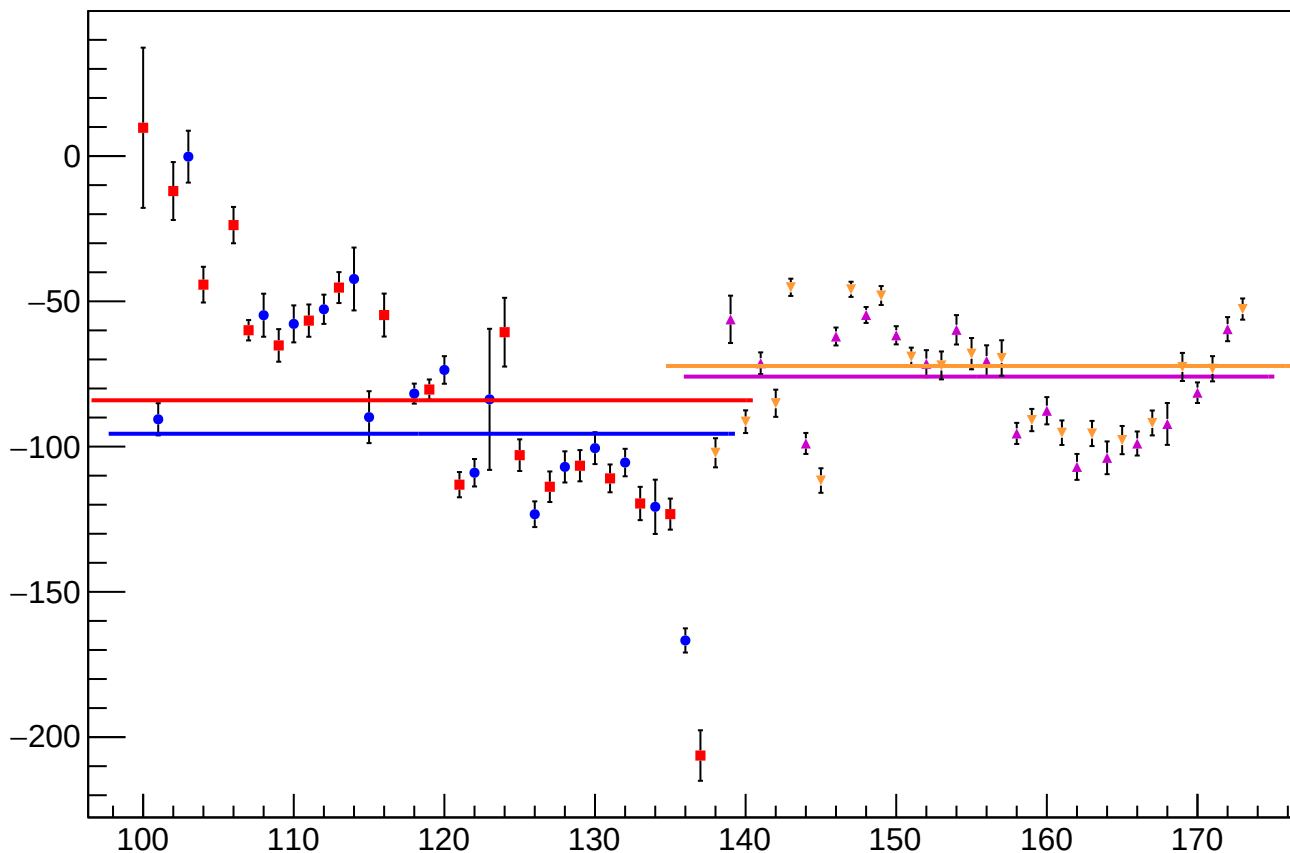
Right: -265.560 ± 1.483 $\chi^2/\text{NDF}: 3011.9/35$

In: -242.771 ± 1.032 $\chi^2/\text{NDF}: 1779.6/33$

Out: -231.729 ± 0.973 $\chi^2/\text{NDF}: 3041.7/37$

All: -236.926 ± 0.708 $\chi^2/\text{NDF}: 4881.8/71$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.576 ± 1.340 χ^2/NDF : 671.2/16

Left Out: -72.249 ± 0.908 χ^2/NDF : 556.3/18

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

Left In: -75.906 ± 0.980 χ^2/NDF : 322.9/16

Left: -73.937 ± 0.666 χ^2/NDF : 886.6/35

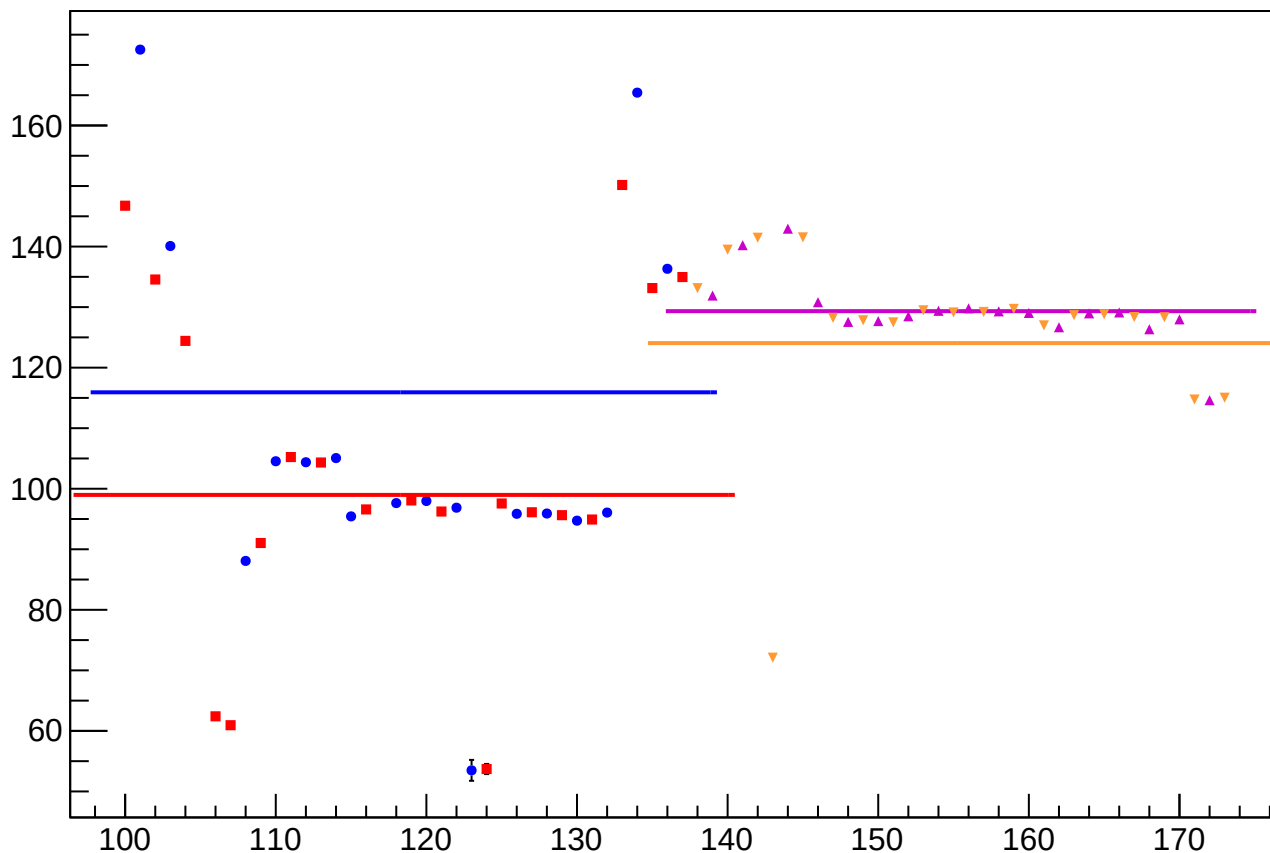
Right: -89.449 ± 0.917 χ^2/NDF : 1493.7/35

In: -82.760 ± 0.791 χ^2/NDF : 1134.4/33

Out: -76.298 ± 0.736 χ^2/NDF : 1397.5/37

All: -79.295 ± 0.539 χ^2/NDF : 2567.7/71

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927 $\pm$ 0.078 χ^2 /NDF: 105791.4/16

Left Out: 124.058 $\pm$ 0.044 χ^2 /NDF:148836.2/18

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

Left In: 129.331 $\pm$ 0.046 χ^2 /NDF:15688.3/16

Left: 126.559 $\pm$ 0.032 χ^2 /NDF: 171336.2/35

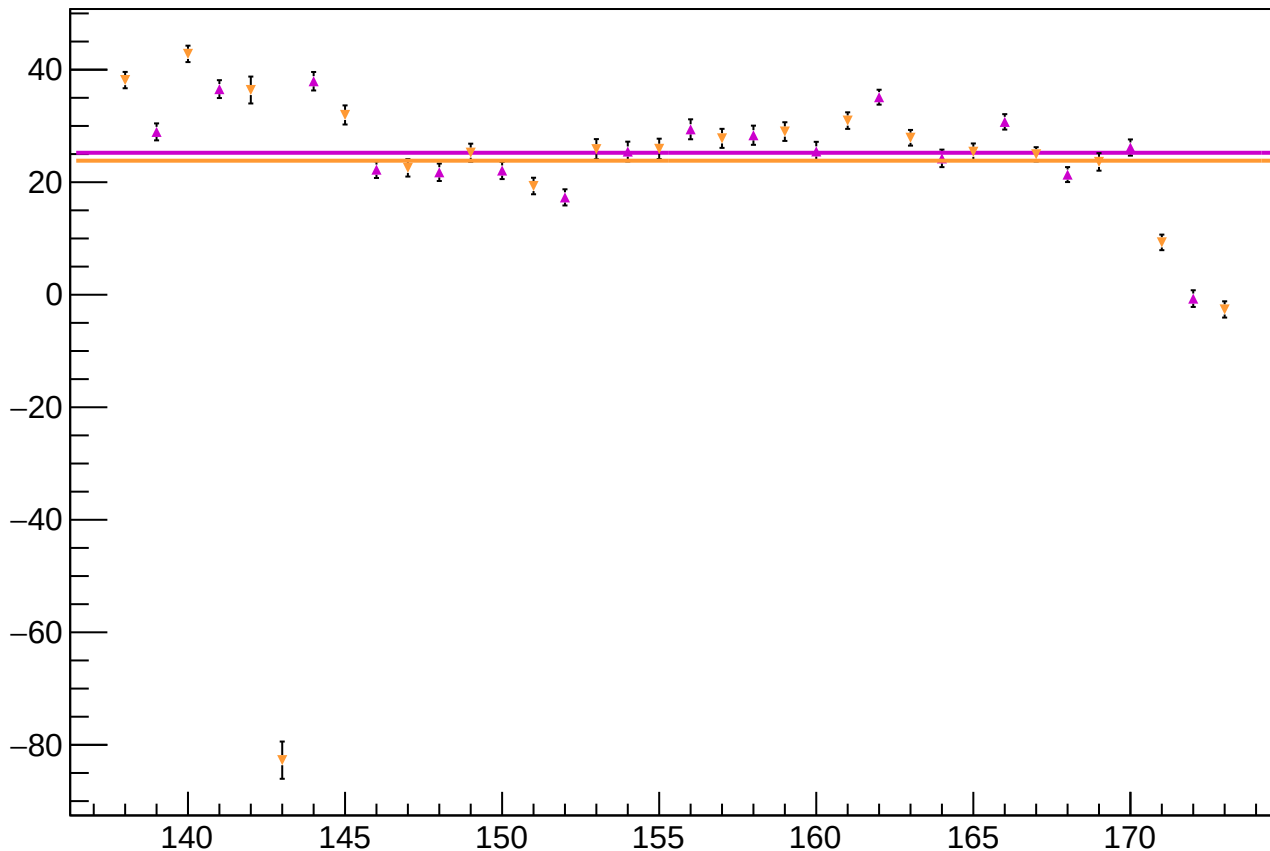
Right: 106.321 $\pm$ 0.052 χ^2 /NDF: 305233.1/35

In: 125.864 $\pm$ 0.040 χ^2 /NDF:143137.5/33

Out: 116.741 $\pm$ 0.037 χ^2 /NDF:416585.2/37

All: 120.964 $\pm$ 0.027 χ^2 /NDF: 587824.2/71

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 23.825+/-0.362 χ^2/NDF :1860.1/18

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

Left In: 25.233+/-0.369 χ^2/NDF :555.5/16

Left: 24.515+/-0.259 χ^2/NDF : 2423.1/35

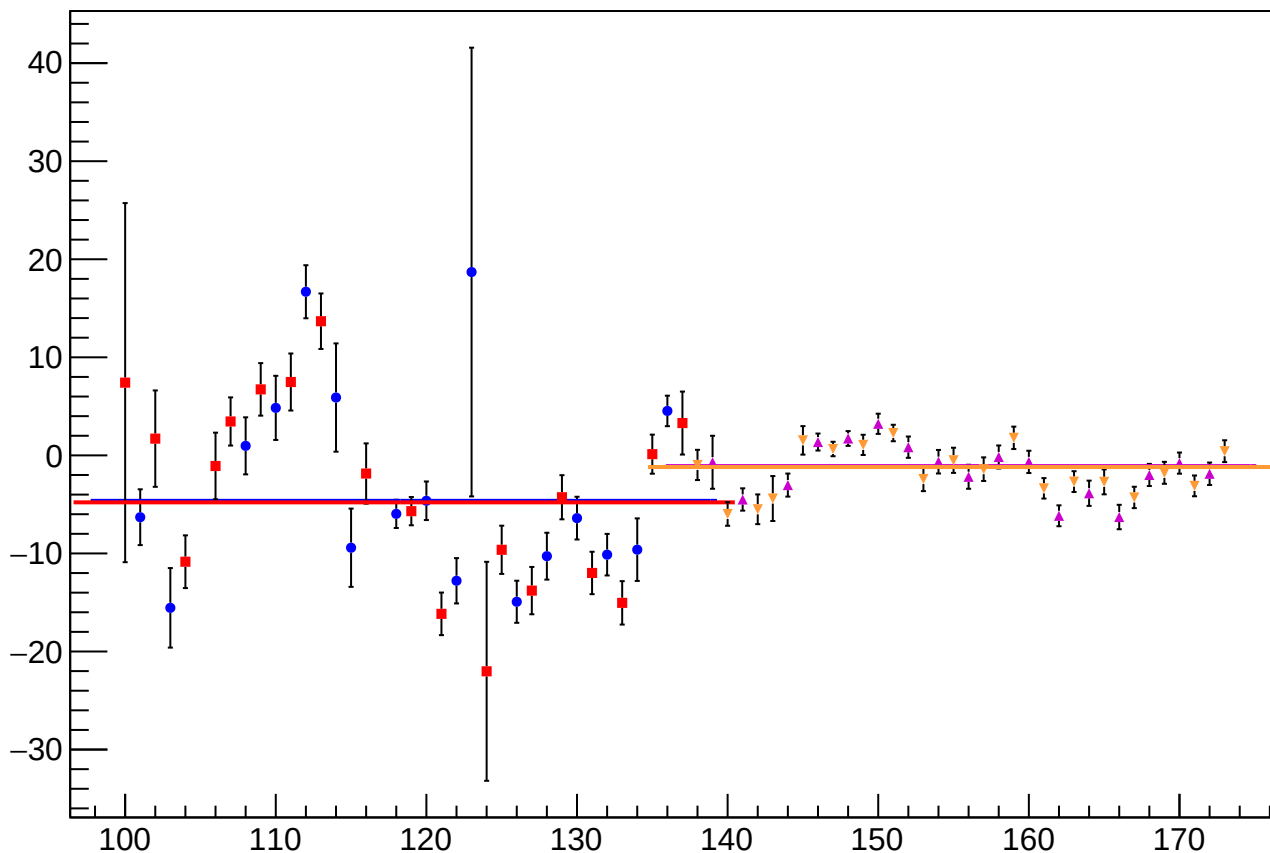
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 25.233+/-0.369 χ^2/NDF :555.5/16

Out: 23.825+/-0.362 χ^2/NDF :1860.1/18

All: 24.515+/-0.259 χ^2/NDF : 2423.1/35

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -1.188 ± 0.259 χ^2/NDF : 87.0/18

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

Left In: -1.093 ± 0.268 χ^2/NDF : 101.9/16

Left: -1.142 ± 0.186 χ^2/NDF : 188.9/35

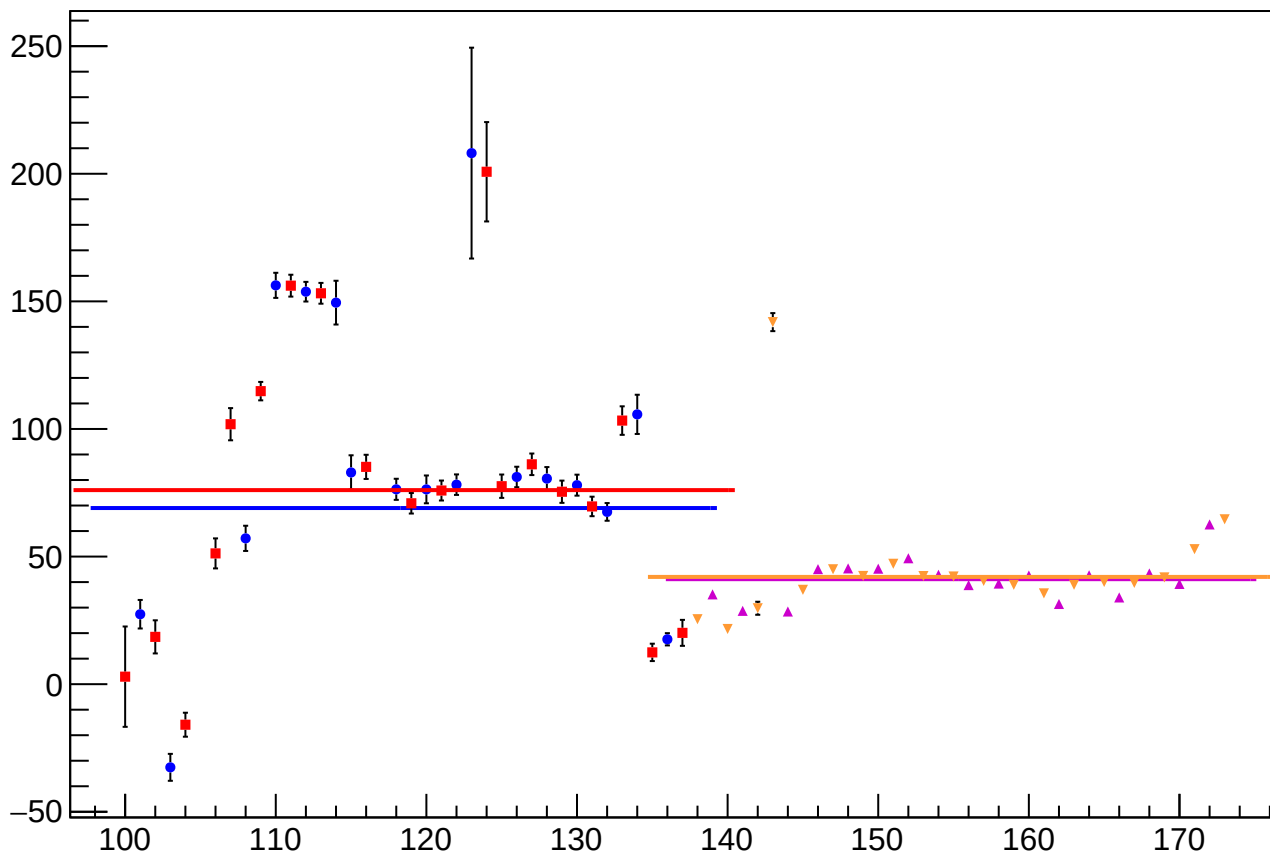
Right: -4.714 ± 0.414 χ^2/NDF : 367.0/35

In: -1.704 ± 0.244 χ^2/NDF : 306.4/33

Out: -1.780 ± 0.237 χ^2/NDF : 311.3/37

All: -1.743 ± 0.170 χ^2/NDF : 617.7/71

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019 ± 1.083 $\chi^2/\text{NDF}: 1848.0/16$

Left Out: 42.030 ± 0.357 $\chi^2/\text{NDF}: 1452.0/18$

Right Out: 76.041 ± 1.070 $\chi^2/\text{NDF}: 1881.9/18$

Left In: 41.145 ± 0.362 $\chi^2/\text{NDF}: 474.3/16$

Left: 41.593 ± 0.254 $\chi^2/\text{NDF}: 1929.4/35$

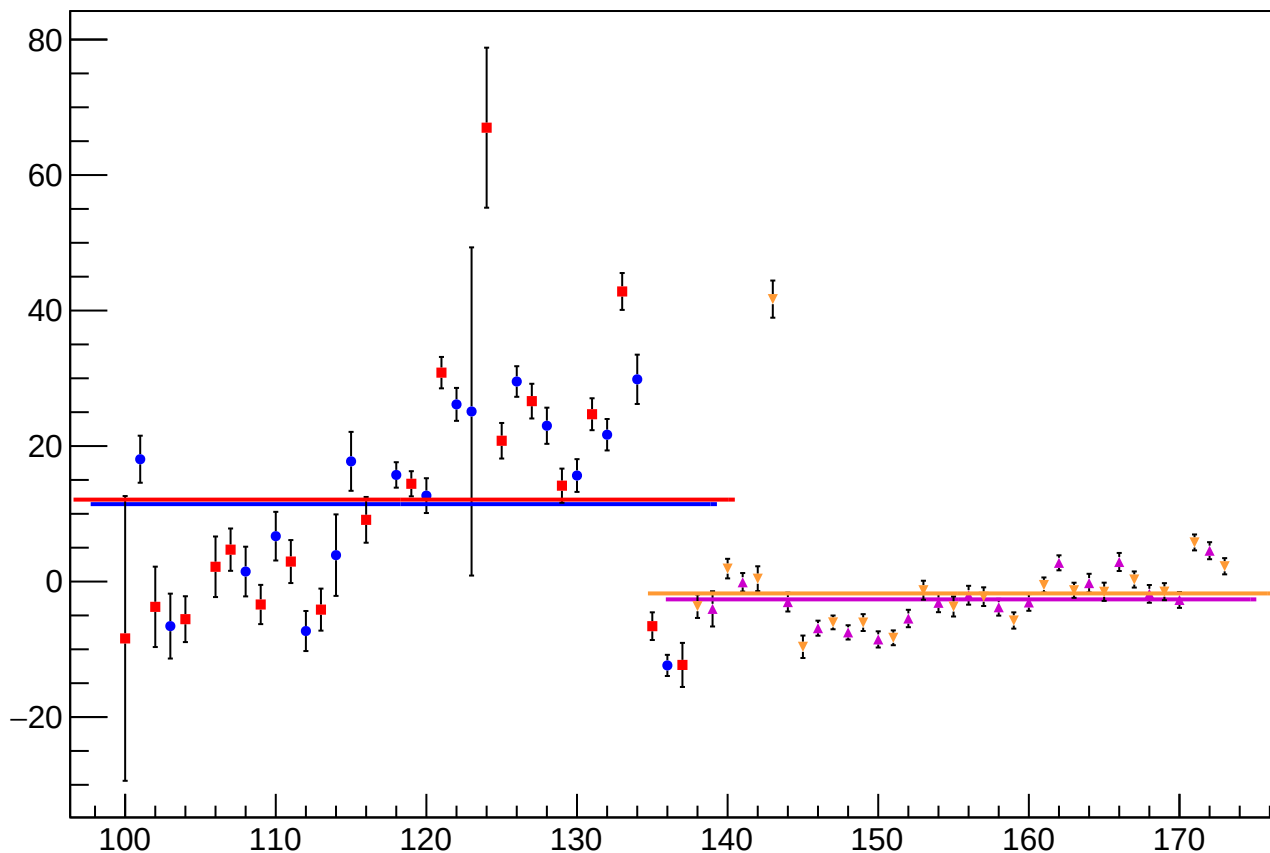
Right: 72.574 ± 0.761 $\chi^2/\text{NDF}: 3751.2/35$

In: 43.949 ± 0.344 $\chi^2/\text{NDF}: 2917.7/33$

Out: 45.446 ± 0.339 $\chi^2/\text{NDF}: 4243.0/37$

All: 44.707 ± 0.241 $\chi^2/\text{NDF}: 7170.3/71$

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 $\pm$ 0.665 χ^2 /NDF: 476.8/16

Left Out: -1.752 $\pm$ 0.299 χ^2 /NDF: 417.6/18

Right Out: 12.095 $\pm$ 0.664 χ^2 /NDF: 539.1/18

Left In: -2.630 $\pm$ 0.310 χ^2 /NDF: 147.4/16

Left: -2.176 $\pm$ 0.215 χ^2 /NDF: 569.2/35

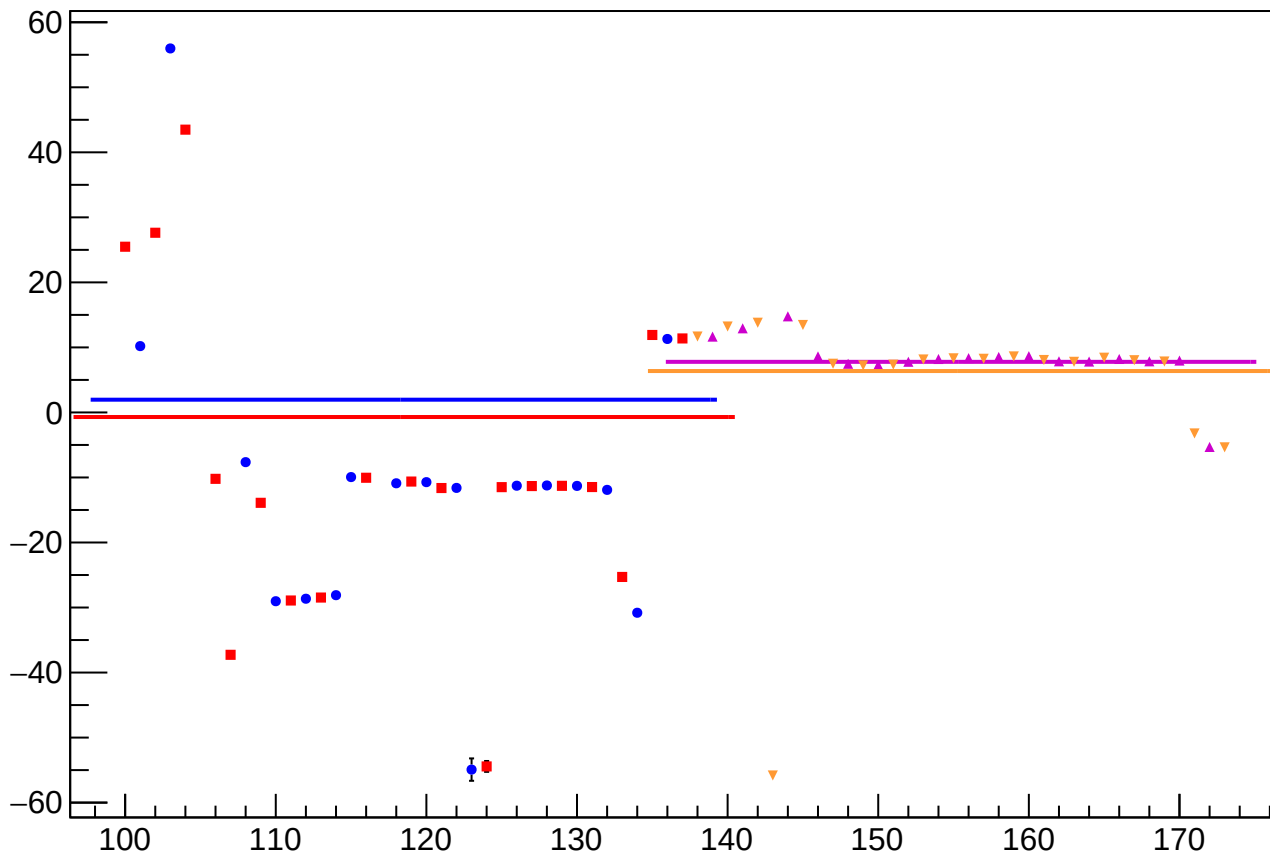
Right: 11.762 $\pm$ 0.470 χ^2 /NDF: 1016.4/35

In: -0.126 $\pm$ 0.281 χ^2 /NDF: 991.0/33

Out: 0.585 $\pm$ 0.273 χ^2 /NDF: 1318.3/37

All: 0.239 $\pm$ 0.196 χ^2 /NDF: 2312.6/71

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 ± 0.037 $\chi^2/\text{NDF}: 358457.0/16$

Left Out: 6.366 ± 0.014 $\chi^2/\text{NDF}: 320867.0/18$

Right Out: -0.704 ± 0.037 $\chi^2/\text{NDF}: 361168.6/18$

Left In: 7.781 ± 0.014 $\chi^2/\text{NDF}: 79137.8/16$

Left: 7.060 ± 0.010 $\chi^2/\text{NDF}: 405142.3/35$

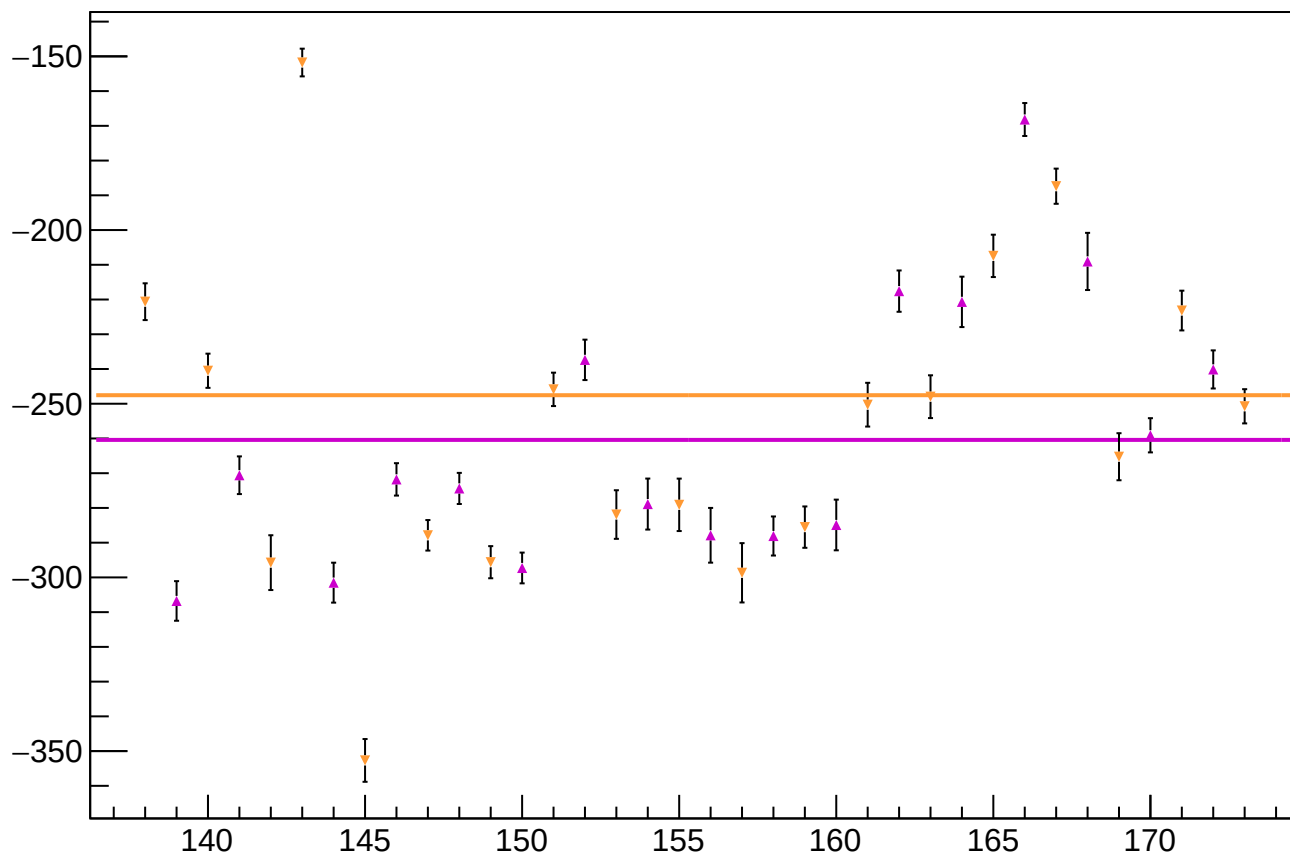
Right: 0.627 ± 0.026 $\chi^2/\text{NDF}: 722198.2/35$

In: 7.049 ± 0.013 $\chi^2/\text{NDF}: 459059.2/33$

Out: 5.504 ± 0.013 $\chi^2/\text{NDF}: 713882.1/37$

All: 6.264 ± 0.009 $\chi^2/\text{NDF}: 1179931.5/71$

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -247.546+/-1.275 χ^2/NDF :1453.9/18

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

Left In: -260.413+/-1.364 χ^2/NDF :788.2/16

Left: -253.546+/-0.931 χ^2/NDF : 2289.7/35

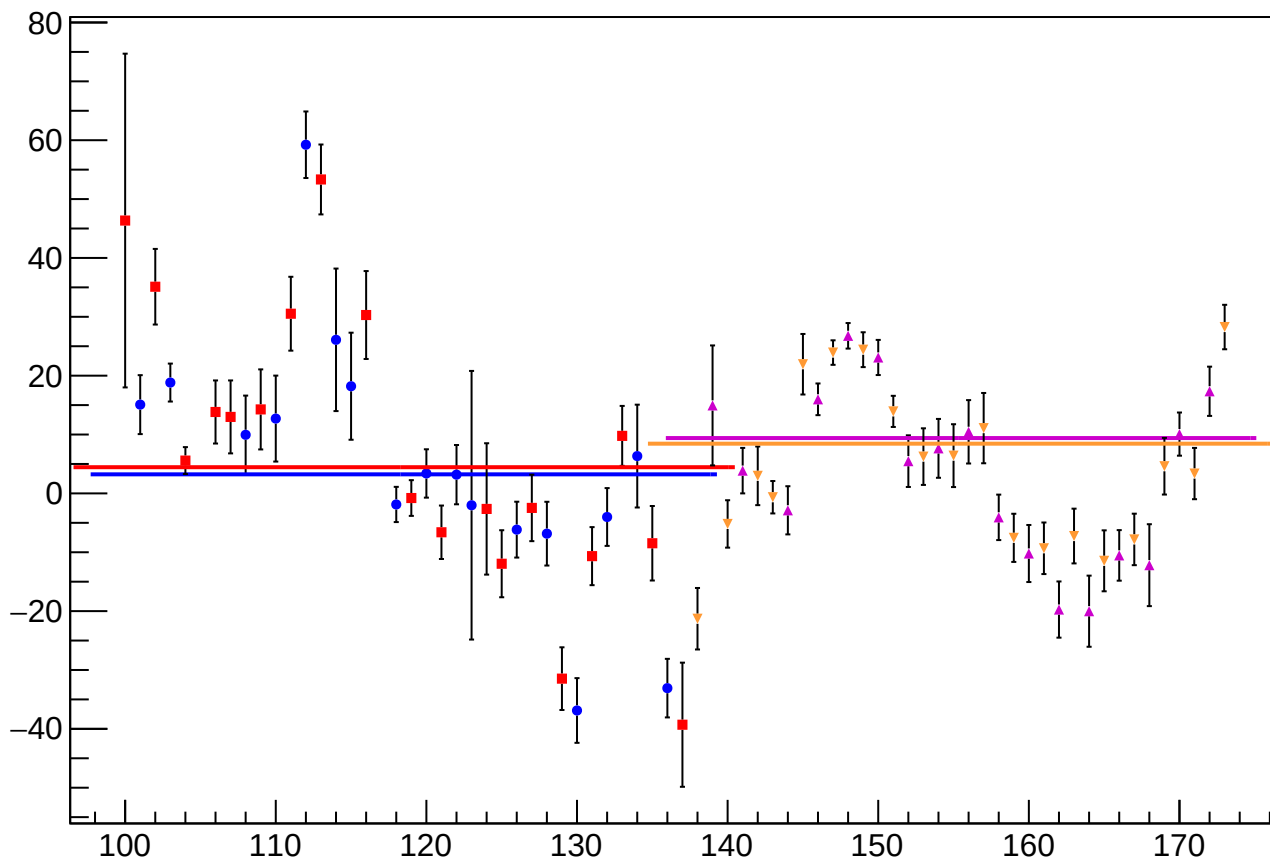
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -260.413+/-1.364 χ^2/NDF :788.2/16

Out: -247.546+/-1.275 χ^2/NDF :1453.9/18

All: -253.546+/-0.931 χ^2/NDF : 2289.7/35

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Left: 8.883 +/- 0.642 χ^2/NDF : 481.6/35

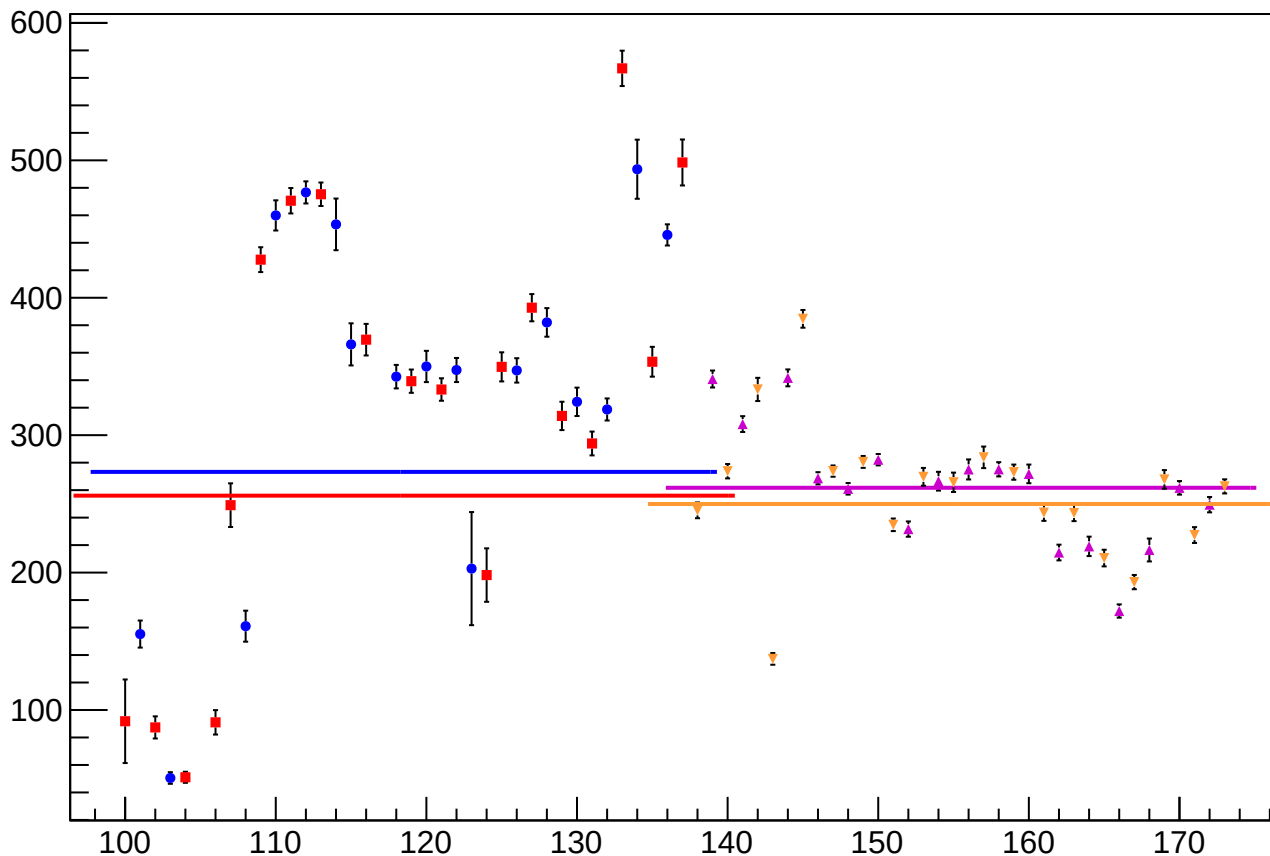
Right: 3.887 +/- 0.847 χ^2/NDF : 481.6/35

In: 7.135 +/- 0.754 χ^2/NDF : 498.5/33

Out: 6.999 +/- 0.696 χ^2/NDF : 486.7/37

All: 7.062 +/- 0.512 χ^2/NDF : 985.2/71

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 $\pm$ 2.205 χ^2 /NDF: 5101.5/16

Left Out: 249.918 $\pm$ 1.266 χ^2 /NDF:1594.1/18

Right Out: 255.985 $\pm$ 2.080 χ^2 /NDF: 6438.4/18

Left In: 261.717 $\pm$ 1.336 χ^2 /NDF:949.6/16

Left: 255.500 $\pm$ 0.919 χ^2 /NDF: 2584.9/35

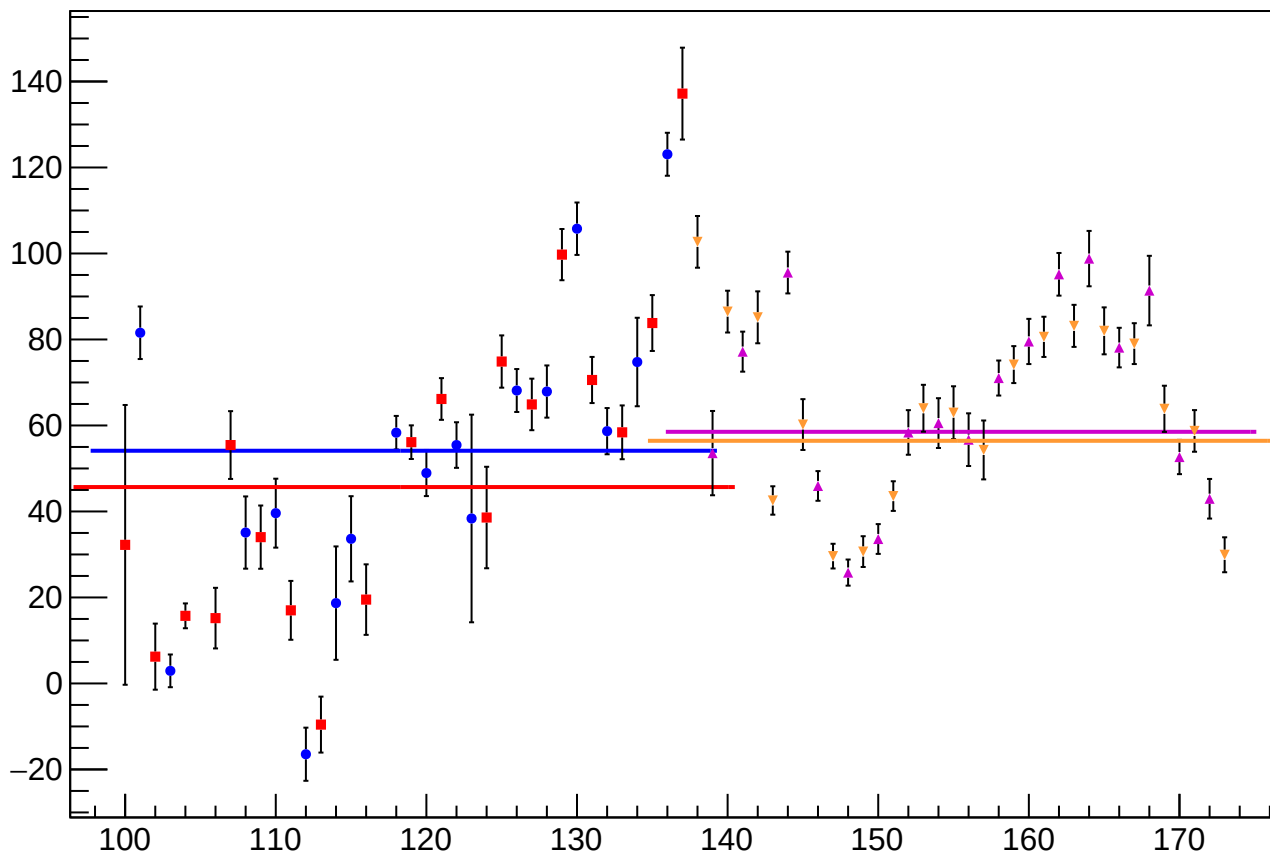
Right: 264.127 $\pm$ 1.513 χ^2 /NDF: 11572.5/35

In: 264.822 $\pm$ 1.143 χ^2 /NDF:6071.3/33

Out: 251.558 $\pm$ 1.081 χ^2 /NDF:8038.8/37

All: 257.825 $\pm$ 0.785 χ^2 /NDF: 14181.1/71

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119 $\pm$ 1.438 χ^2 /NDF: 633.9/16

Left Out: 56.433 $\pm$ 1.031 χ^2 /NDF:457.1/18

Right Out: 45.675 $\pm$ 1.357 χ^2 /NDF: 531.0/18

Left In: 58.524 $\pm$ 1.116 χ^2 /NDF:423.3/16

Left: 57.396 $\pm$ 0.758 χ^2 /NDF: 882.3/35

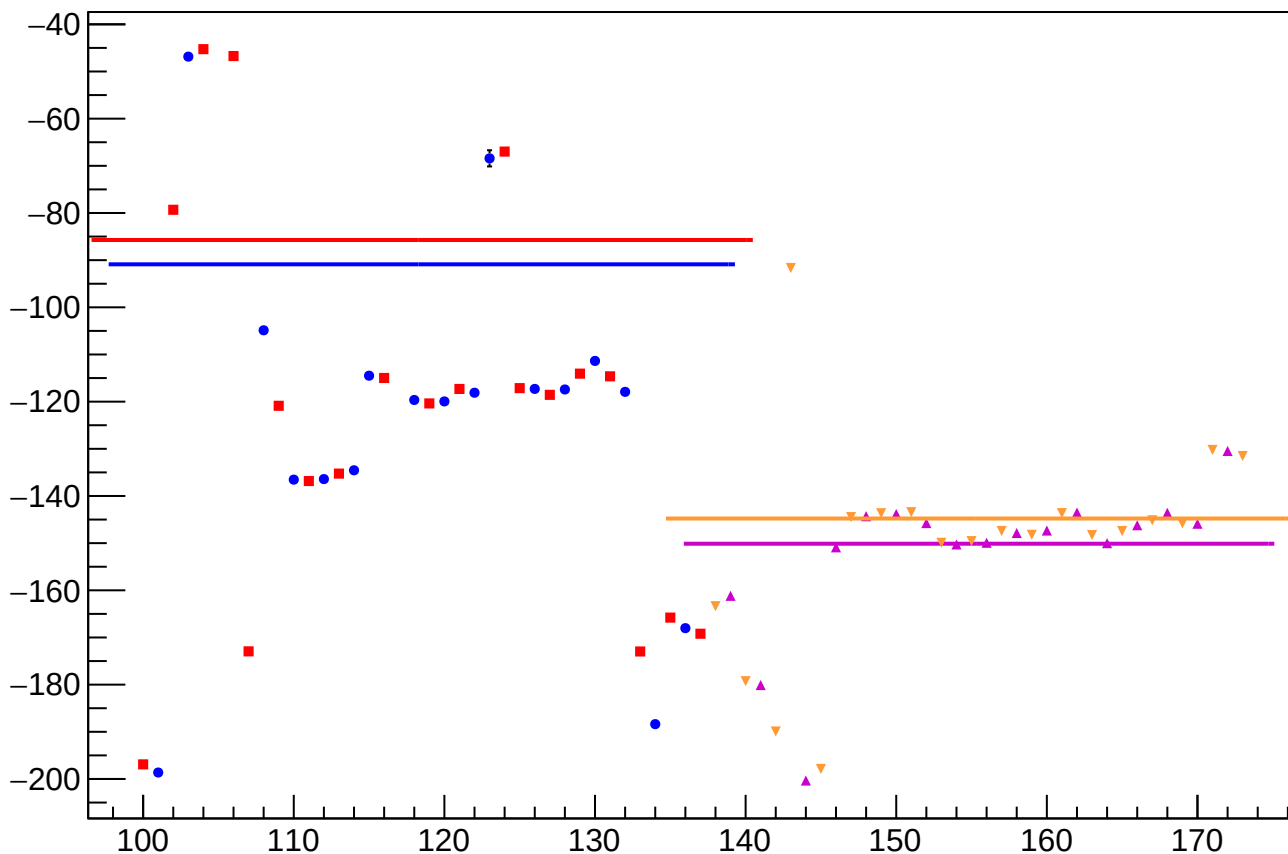
Right: 49.654 $\pm$ 0.987 χ^2 /NDF: 1183.2/35

In: 56.867 $\pm$ 0.882 χ^2 /NDF:1063.1/33

Out: 52.494 $\pm$ 0.821 χ^2 /NDF:1028.0/37

All: 54.525 $\pm$ 0.601 χ^2 /NDF: 2104.3/71

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 $\pm$ 0.068 χ^2/NDF : 533423.8/16

Left Out: -144.777 $\pm$ 0.050 χ^2/NDF : 198923.0/18

Right Out: -85.722 $\pm$ 0.065 χ^2/NDF : 494183.1/18

Left In: -150.121 $\pm$ 0.053 χ^2/NDF : 68757.1/16

Left: -147.311 $\pm$ 0.036 χ^2/NDF : 273060.8/35

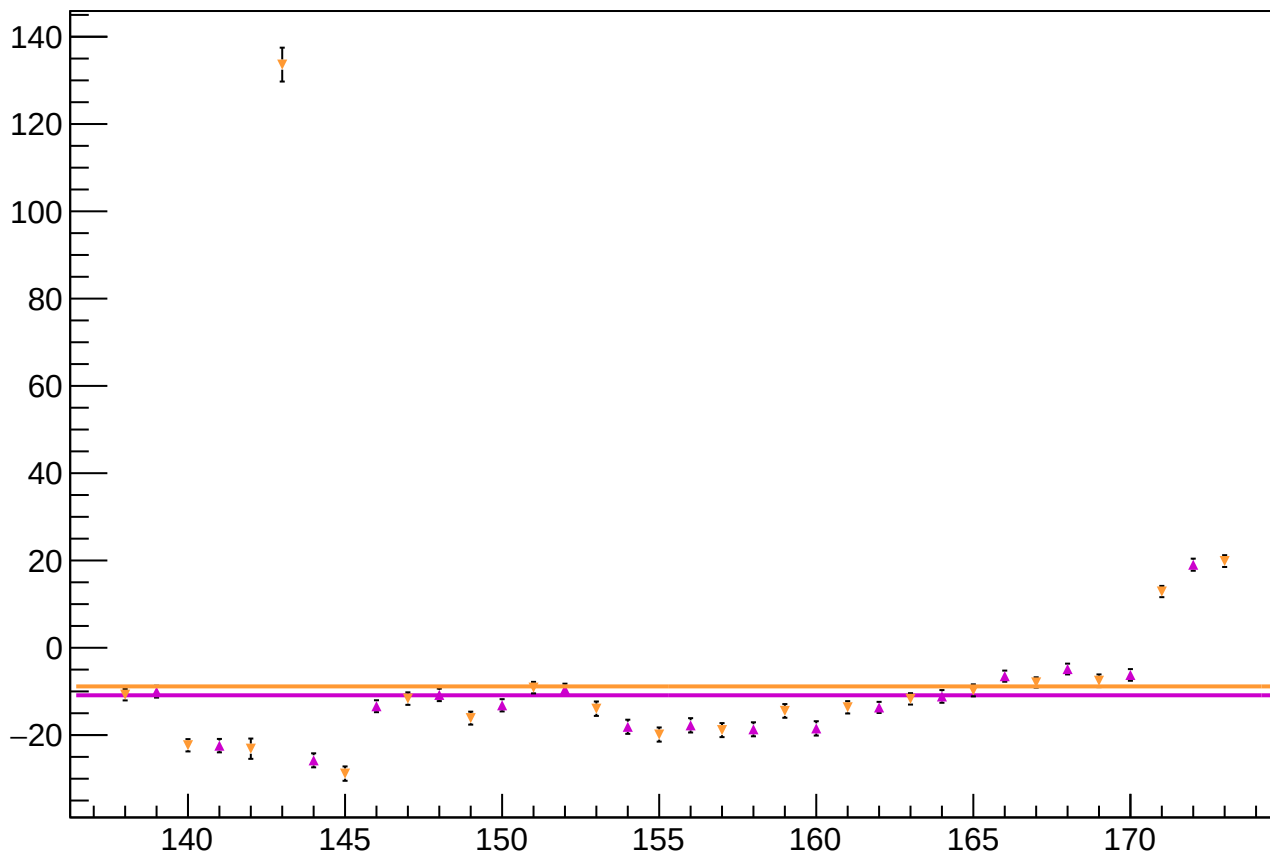
Right: -88.197 $\pm$ 0.047 χ^2/NDF : 1030623.7/35

In: -127.719 $\pm$ 0.042 χ^2/NDF : 1077568.2/33

Out: -122.756 $\pm$ 0.040 χ^2/NDF : 1209708.0/37

All: -125.120 $\pm$ 0.029 χ^2/NDF : 2294706.1/71

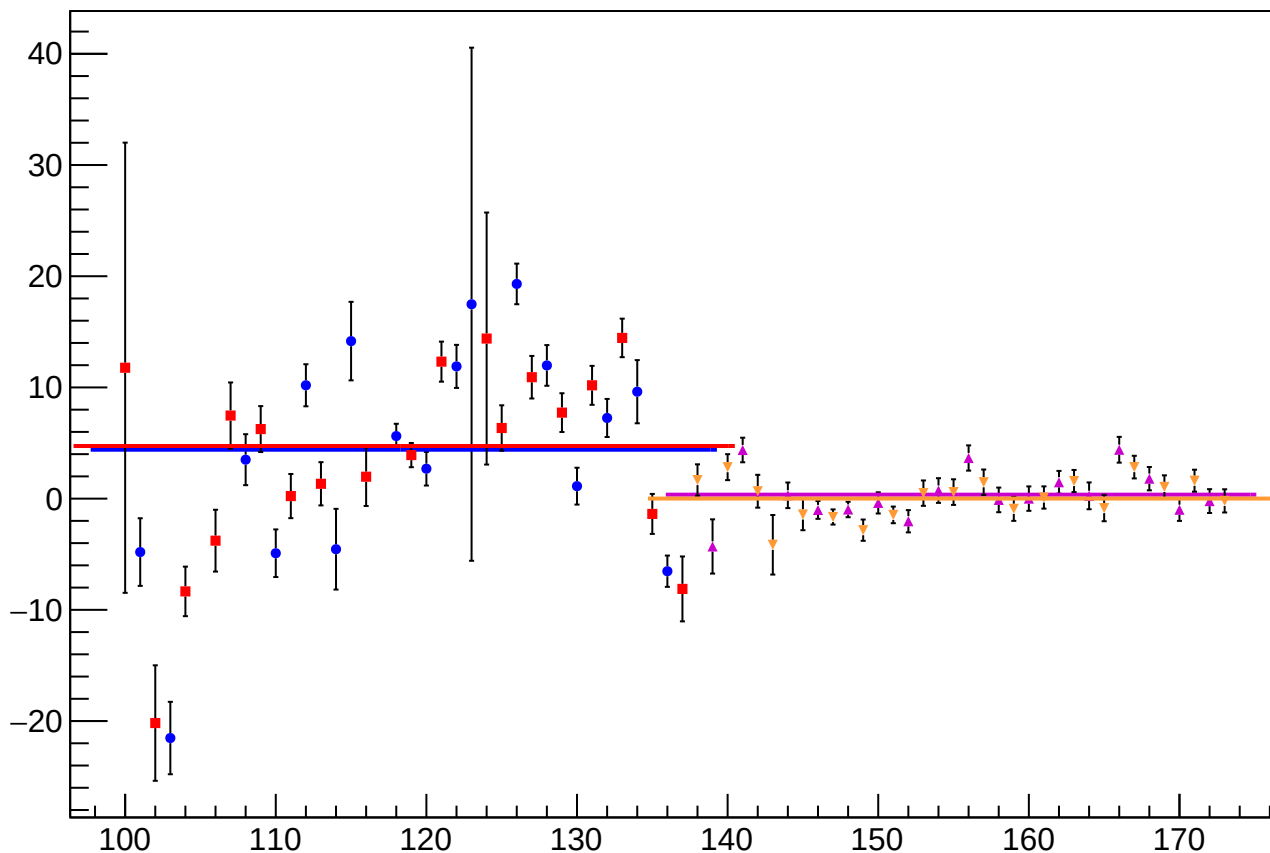
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -8.852+/-0.339 χ^2/NDF : 2512.4/18
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -10.888+/-0.345 χ^2/NDF : 750.1/16

Left: -9.852+/-0.242 χ^2/NDF : 3280.2/35
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -10.888+/-0.345 χ^2/NDF : 750.1/16
 Out: -8.852+/-0.339 χ^2/NDF : 2512.4/18
 All: -9.852+/-0.242 χ^2/NDF : 3280.2/35

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 ± 0.471 χ^2/NDF : 286.8/16

Left Out: 0.006 ± 0.242 χ^2/NDF : 46.7/18

Right Out: 4.732 ± 0.473 χ^2/NDF : 182.9/18

Left In: 0.357 ± 0.251 χ^2/NDF : 56.0/16

Left: 0.176 ± 0.174 χ^2/NDF : 103.7/35

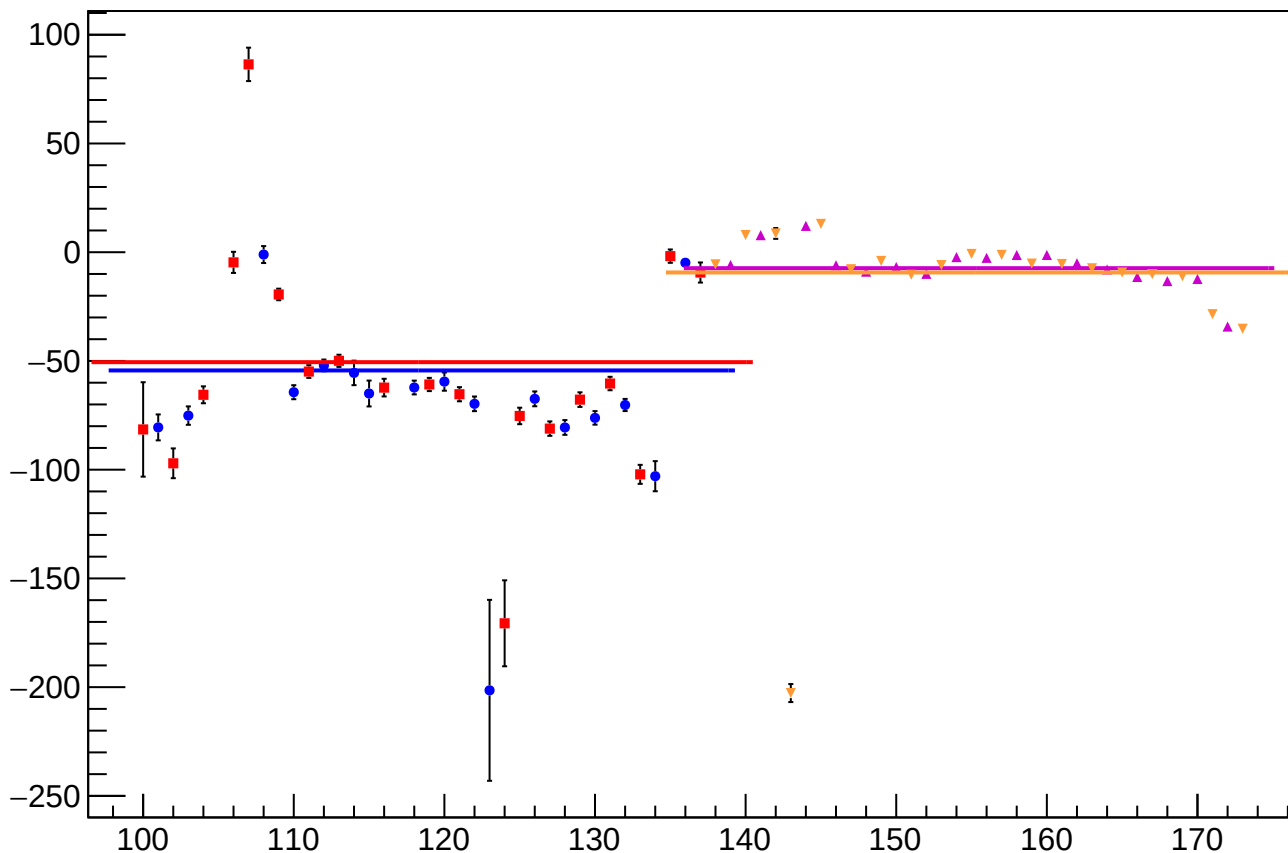
Right: 4.565 ± 0.334 χ^2/NDF : 470.0/35

In: 1.251 ± 0.222 χ^2/NDF : 400.1/33

Out: 0.987 ± 0.216 χ^2/NDF : 308.7/37

All: 1.116 ± 0.154 χ^2/NDF : 709.5/71

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 $\pm$ 0.868 χ^2 /NDF: 1013.5/16

Left Out: -9.311 $\pm$ 0.334 χ^2 /NDF:3197.1/18

Right Out: -50.554 $\pm$ 0.858 χ^2 /NDF: 1321.3/18

Left In: -7.339 $\pm$ 0.339 χ^2 /NDF:684.4/16

Left: -8.338 $\pm$ 0.238 χ^2 /NDF: 3898.6/35

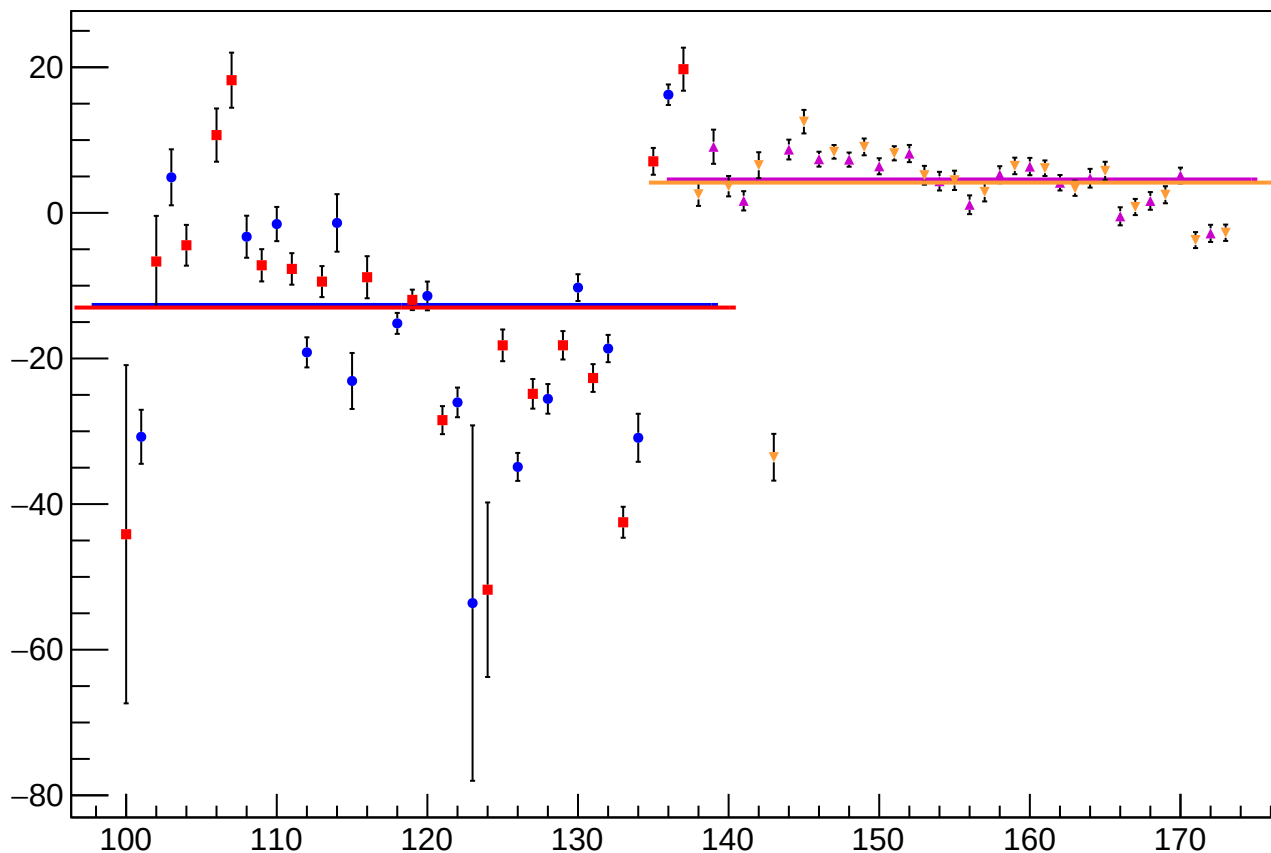
Right: -52.436 $\pm$ 0.610 χ^2 /NDF: 2344.5/35

In: -13.550 $\pm$ 0.316 χ^2 /NDF:4244.0/33

Out: -14.752 $\pm$ 0.311 χ^2 /NDF:6526.4/37

All: -14.159 $\pm$ 0.222 χ^2 /NDF: 10777.8/71

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 ± 0.536 χ^2/NDF : 788.4/16

Left Out: 4.160 ± 0.280 χ^2/NDF : 335.0/18

Right Out: -13.005 ± 0.538 χ^2/NDF : 721.4/18

Left In: 4.586 ± 0.290 χ^2/NDF : 117.0/16

Left: 4.365 ± 0.201 χ^2/NDF : 453.1/35

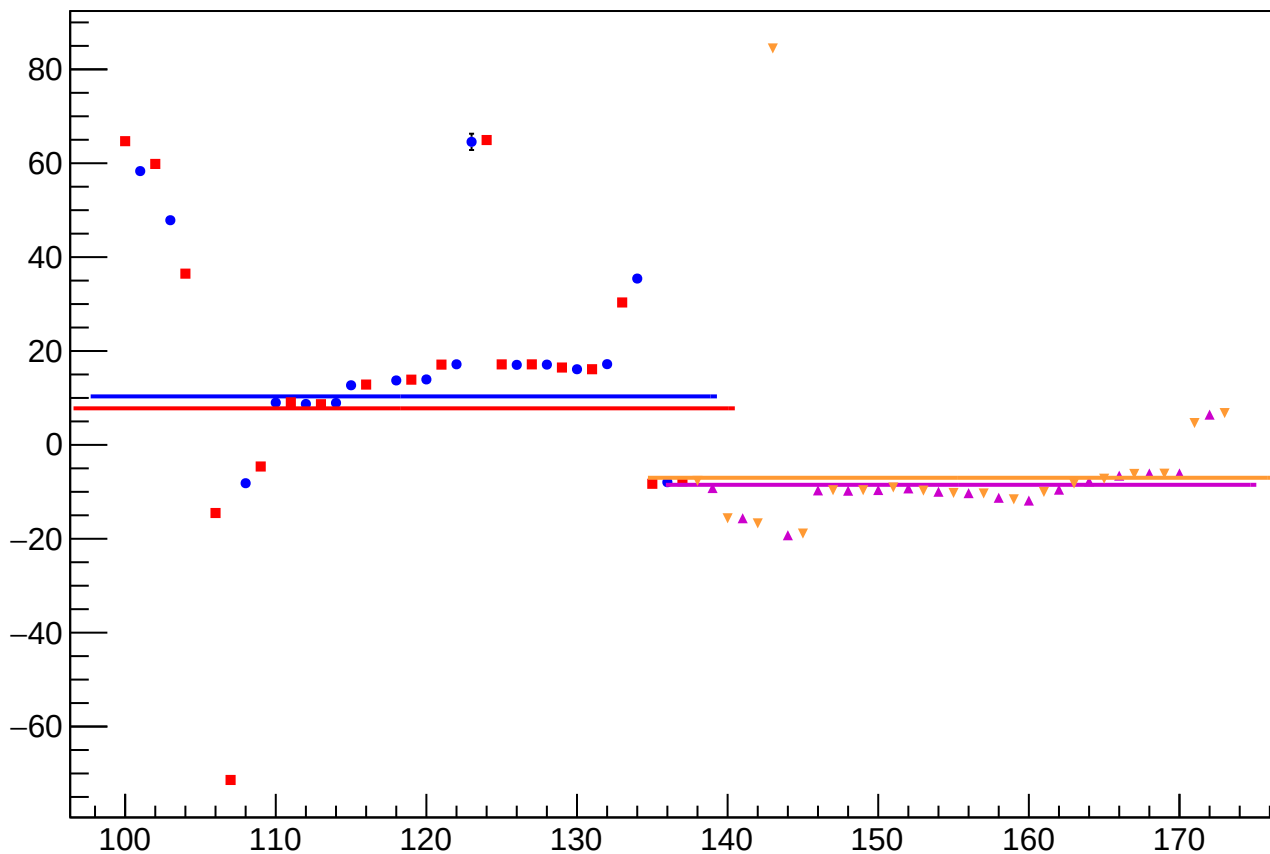
Right: -12.826 ± 0.380 χ^2/NDF : 1510.1/35

In: 0.682 ± 0.255 χ^2/NDF : 1704.2/33

Out: 0.499 ± 0.248 χ^2/NDF : 1858.7/37

All: 0.588 ± 0.178 χ^2/NDF : 3563.2/71

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 $\pm$ 0.031 χ^2 /NDF: 380857.1/16

Left Out: -7.006 $\pm$ 0.013 χ^2 /NDF: 526999.1/18

Right Out: 7.786 $\pm$ 0.031 χ^2 /NDF: 544119.7/18

Left In: -8.506 $\pm$ 0.013 χ^2 /NDF: 138239.9/16

Left: -7.742 $\pm$ 0.009 χ^2 /NDF: 671848.2/35

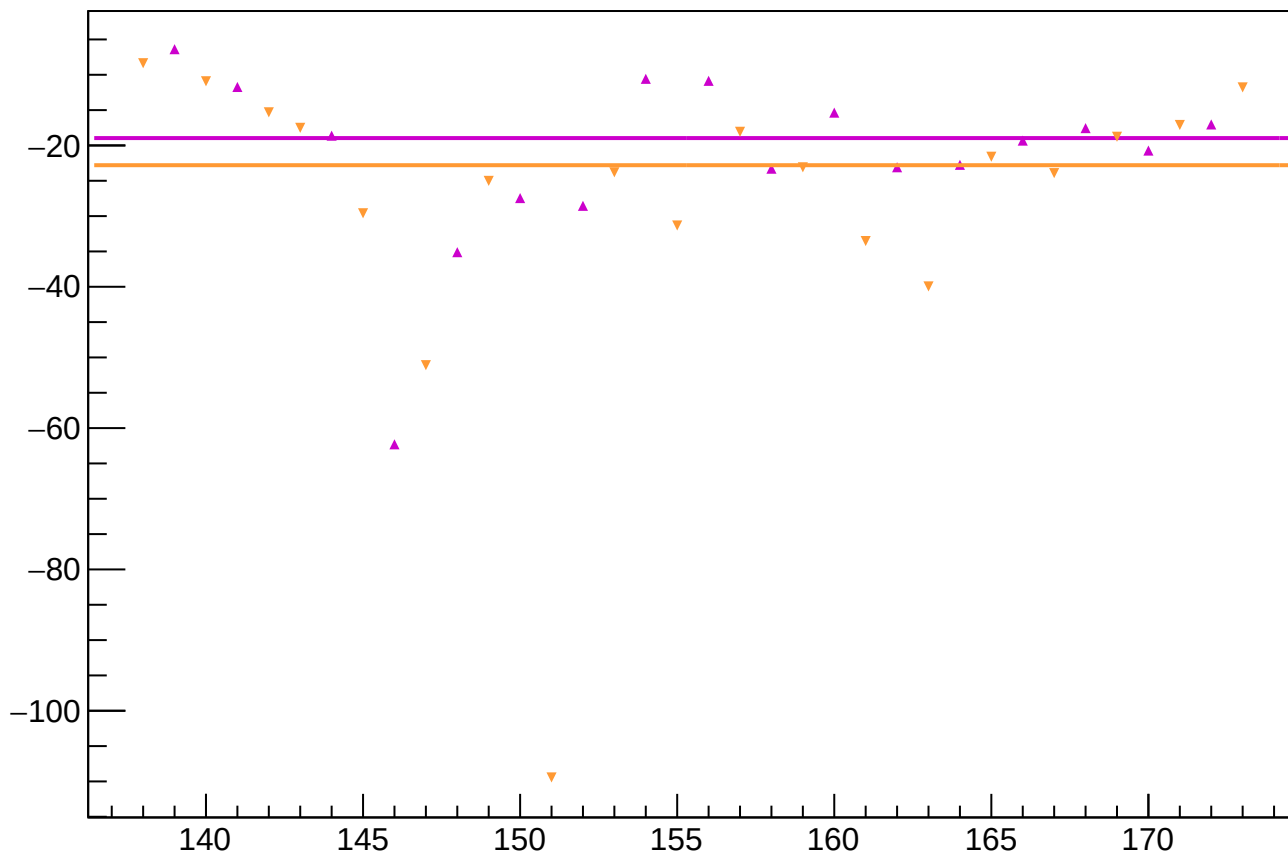
Right: 9.084 $\pm$ 0.022 χ^2 /NDF: 928345.1/35

In: -5.578 $\pm$ 0.012 χ^2 /NDF: 837508.8/33

Out: -4.850 $\pm$ 0.012 χ^2 /NDF: 1261846.8/37

All: -5.209 $\pm$ 0.009 χ^2 /NDF: 2101187.7/71

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -22.796 $\pm$ 0.054 χ^2 /NDF:62479.0/18

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

Left In: -18.957 $\pm$ 0.049 χ^2 /NDF:37293.6/16

Left: -20.712 $\pm$ 0.036 χ^2 /NDF: 102557.7/35

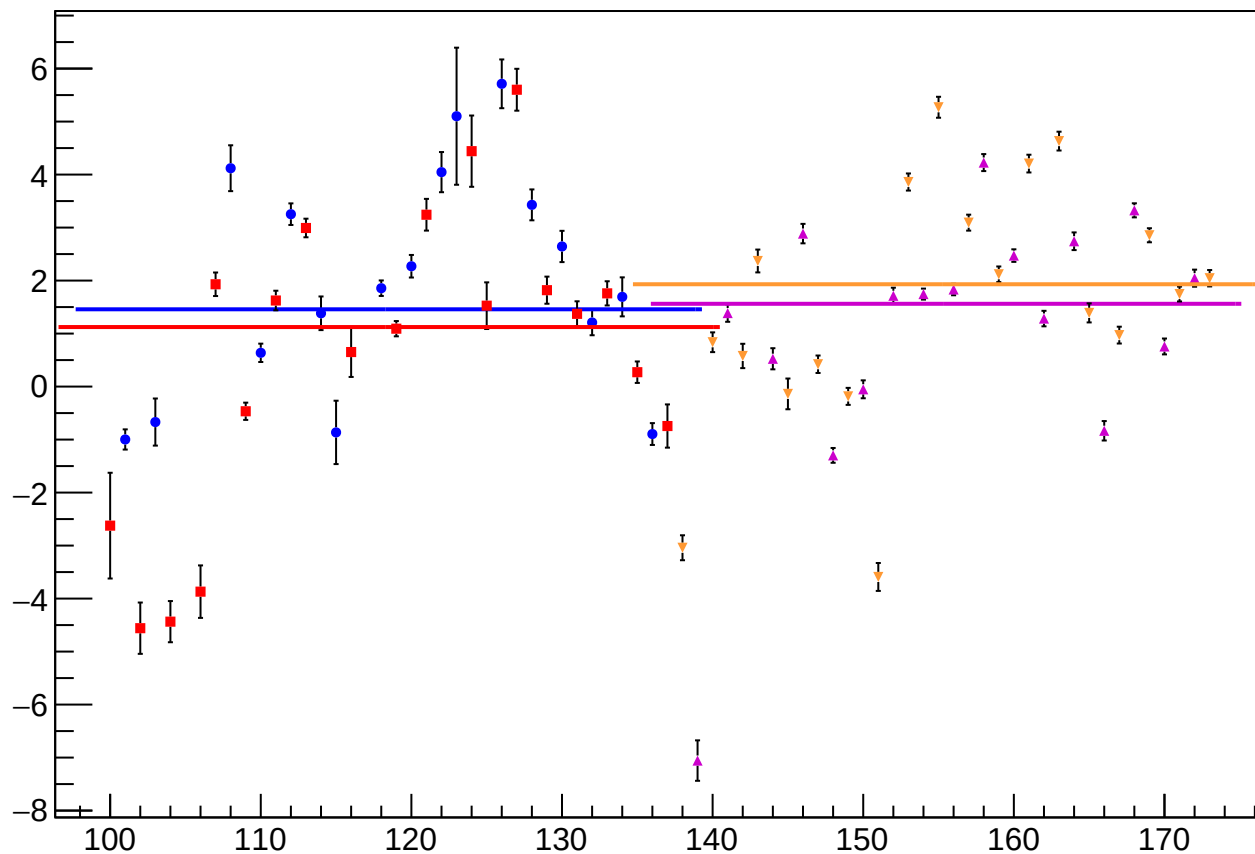
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -18.957 $\pm$ 0.049 χ^2 /NDF:37293.6/16

Out: -22.796 $\pm$ 0.054 χ^2 /NDF:62479.0/18

All: -20.712 $\pm$ 0.036 χ^2 /NDF: 102557.7/35

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 $\pm$ 0.062 χ^2 /NDF: 698.2/16

Left Out: 1.931 $\pm$ 0.040 χ^2 /NDF:2270.1/18

Right Out: 1.123 $\pm$ 0.058 χ^2 /NDF: 947.4/18

Left In: 1.562 $\pm$ 0.036 χ^2 /NDF:1884.3/16

Left: 1.728 $\pm$ 0.027 χ^2 /NDF: 4201.5/35

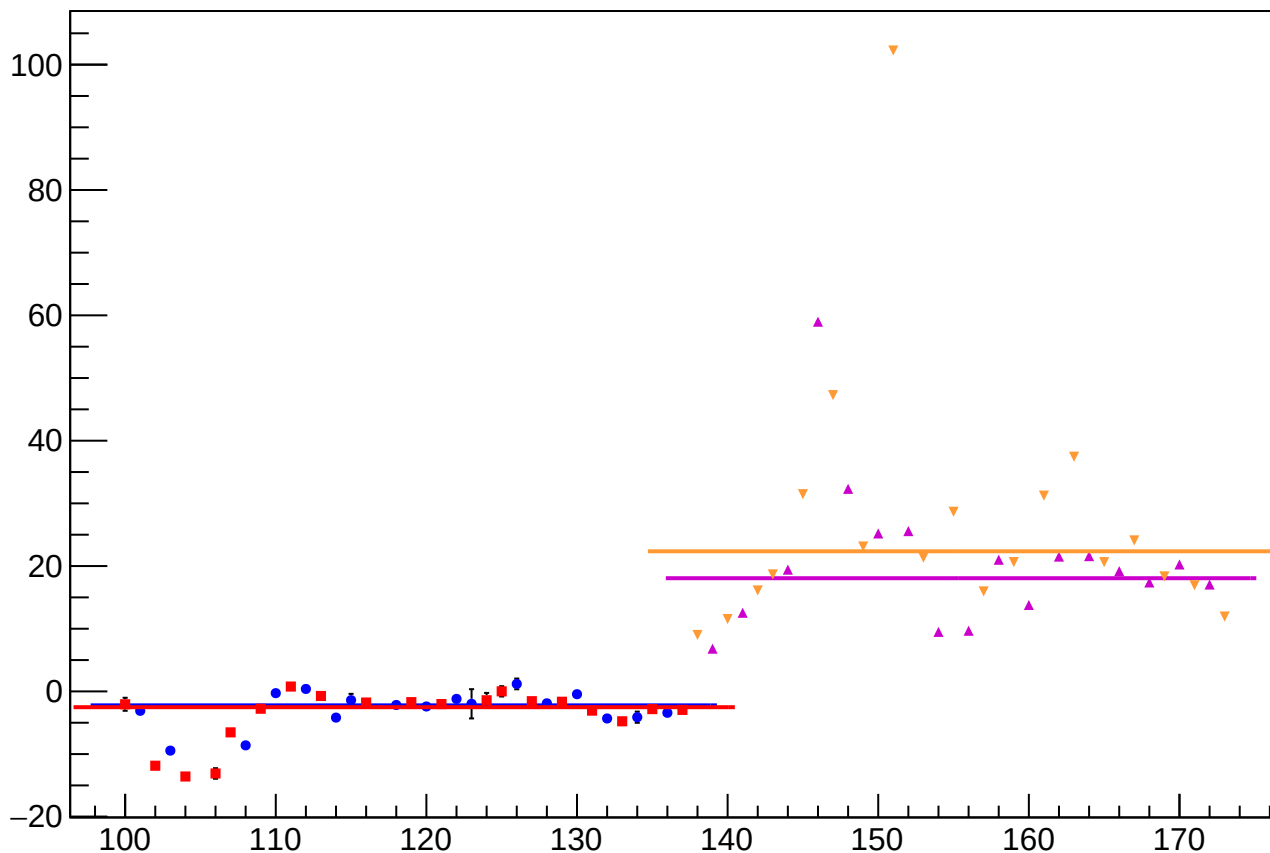
Right: 1.280 $\pm$ 0.042 χ^2 /NDF: 1661.2/35

In: 1.536 $\pm$ 0.031 χ^2 /NDF:2584.6/33

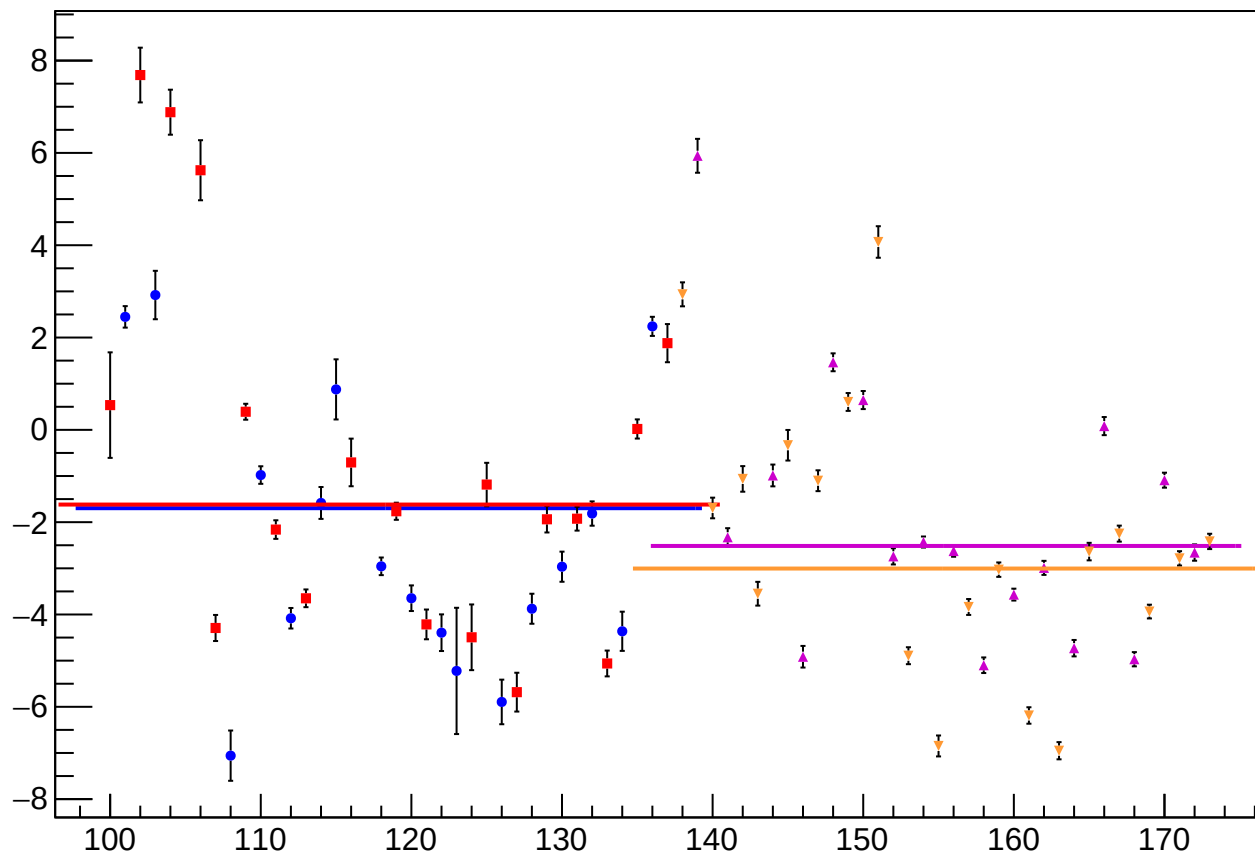
Out: 1.673 $\pm$ 0.033 χ^2 /NDF:3349.0/37

All: 1.601 $\pm$ 0.023 χ^2 /NDF: 5942.8/71

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.697 ± 0.071 χ^2/NDF : 1319.4/16

Left Out: -3.005 ± 0.045 χ^2/NDF : 2784.6/18

Right Out: -1.618 ± 0.066 χ^2/NDF : 1489.2/18

Left In: -2.515 ± 0.041 χ^2/NDF : 2334.2/16

Left: -2.737 ± 0.030 χ^2/NDF : 5183.7/35

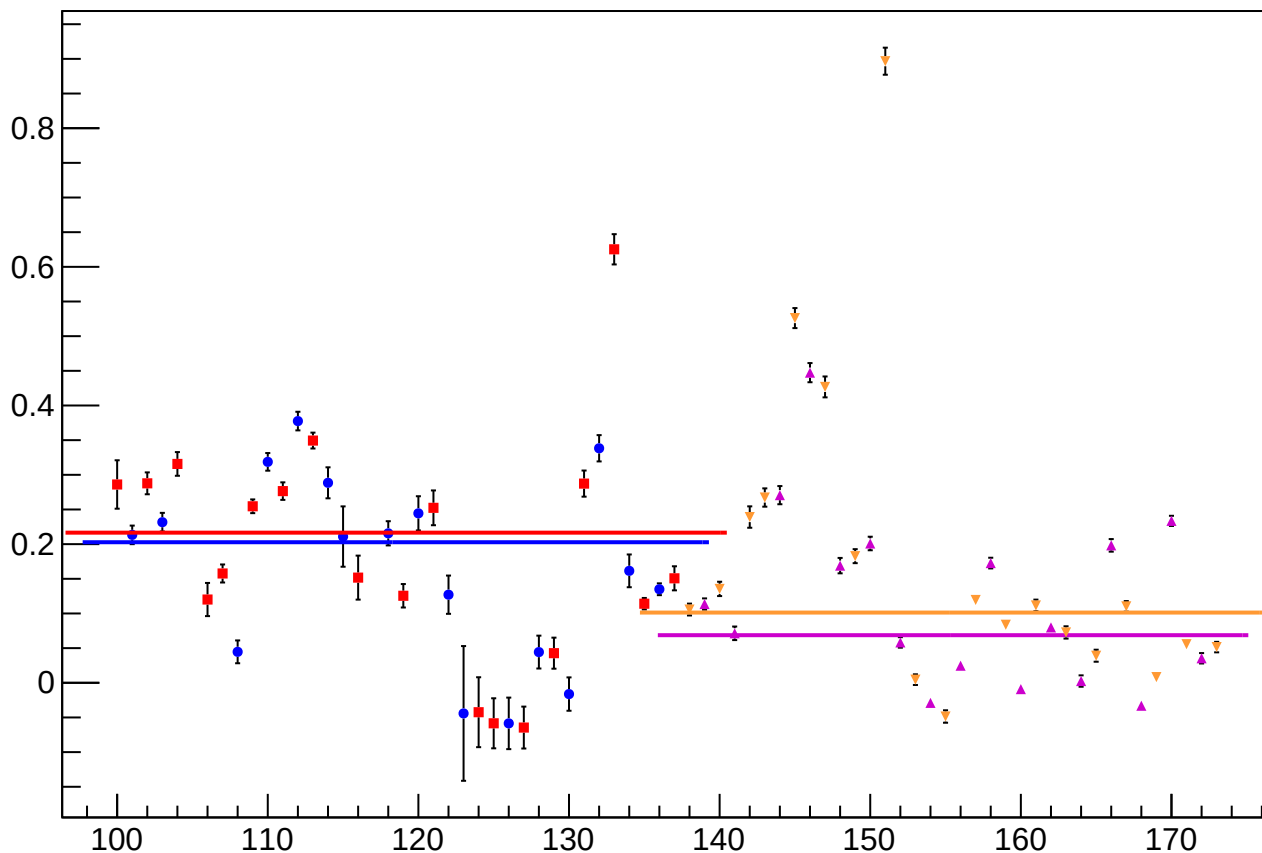
Right: -1.655 ± 0.048 χ^2/NDF : 2809.3/35

In: -2.312 ± 0.035 χ^2/NDF : 3753.0/33

Out: -2.562 ± 0.037 χ^2/NDF : 4577.2/37

All: -2.431 ± 0.026 χ^2/NDF : 8354.1/71

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 $\pm$ 0.004 χ^2 /NDF: 676.5/16

Left Out: 0.101 $\pm$ 0.002 χ^2 /NDF: 4101.1/18

Right Out: 0.217 $\pm$ 0.004 χ^2 /NDF: 1064.4/18

Left In: 0.069 $\pm$ 0.002 χ^2 /NDF: 3199.7/16

Left: 0.083 $\pm$ 0.001 χ^2 /NDF: 7448.0/35

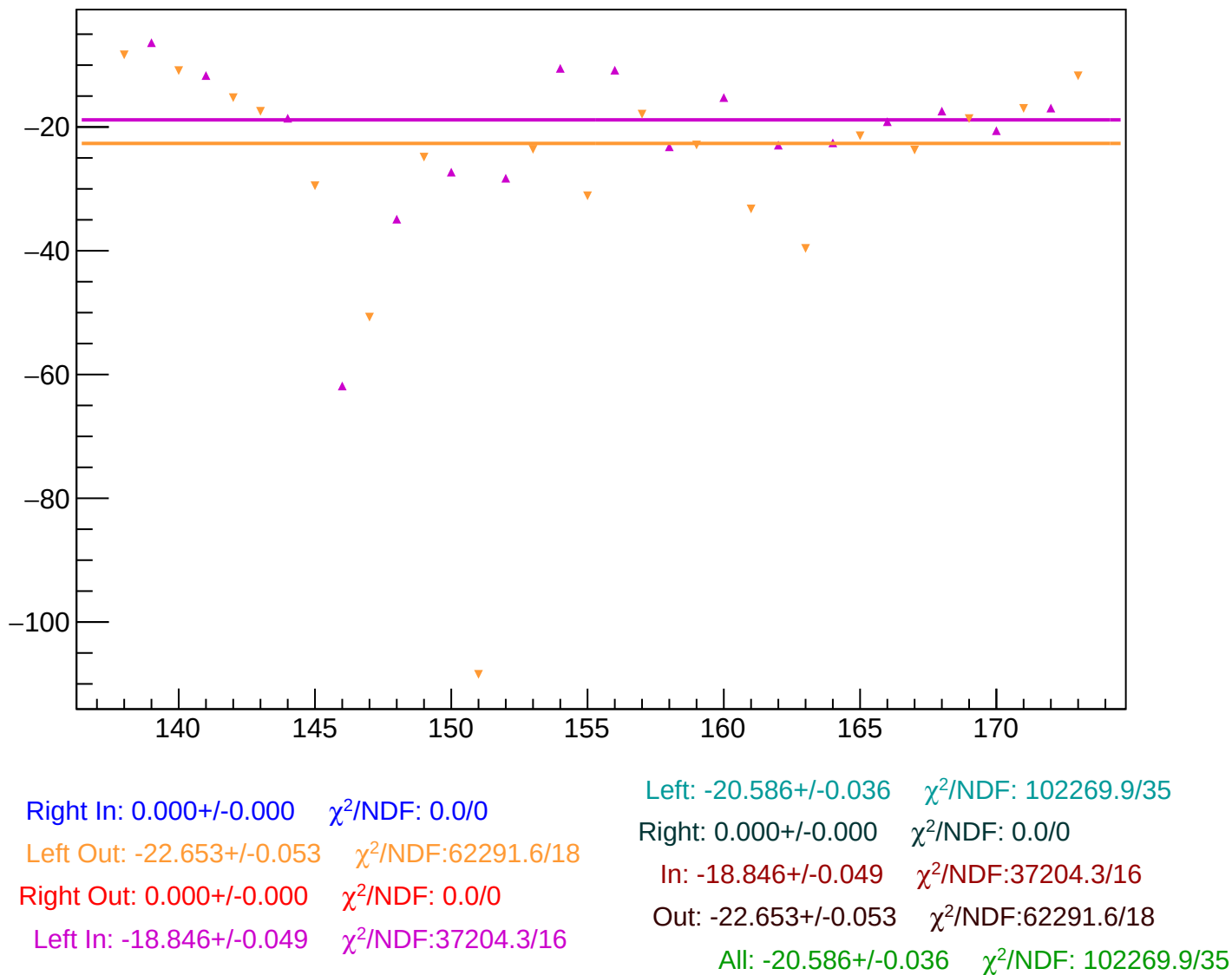
Right: 0.210 $\pm$ 0.003 χ^2 /NDF: 1747.1/35

In: 0.090 $\pm$ 0.002 χ^2 /NDF: 4756.6/33

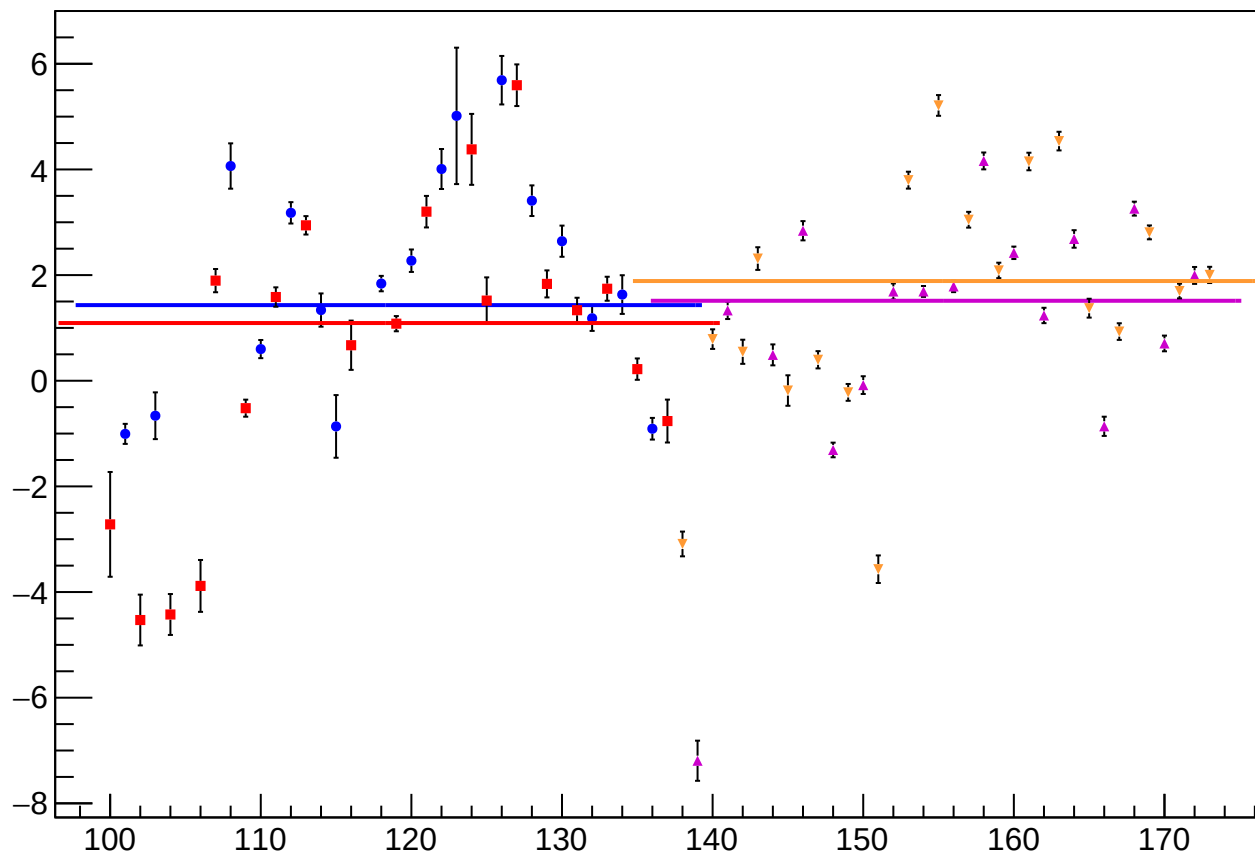
Out: 0.128 $\pm$ 0.002 χ^2 /NDF: 5914.7/37

All: 0.107 $\pm$ 0.001 χ^2 /NDF: 10921.0/71

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 $\chi^2/\text{NDF}: 696.6/16$

Left Out: 1.888 ± 0.040 $\chi^2/\text{NDF}: 2269.7/18$

Right Out: 1.092 ± 0.058 $\chi^2/\text{NDF}: 953.2/18$

Left In: 1.514 ± 0.036 $\chi^2/\text{NDF}: 1894.0/16$

Left: 1.683 ± 0.027 $\chi^2/\text{NDF}: 4212.6/35$

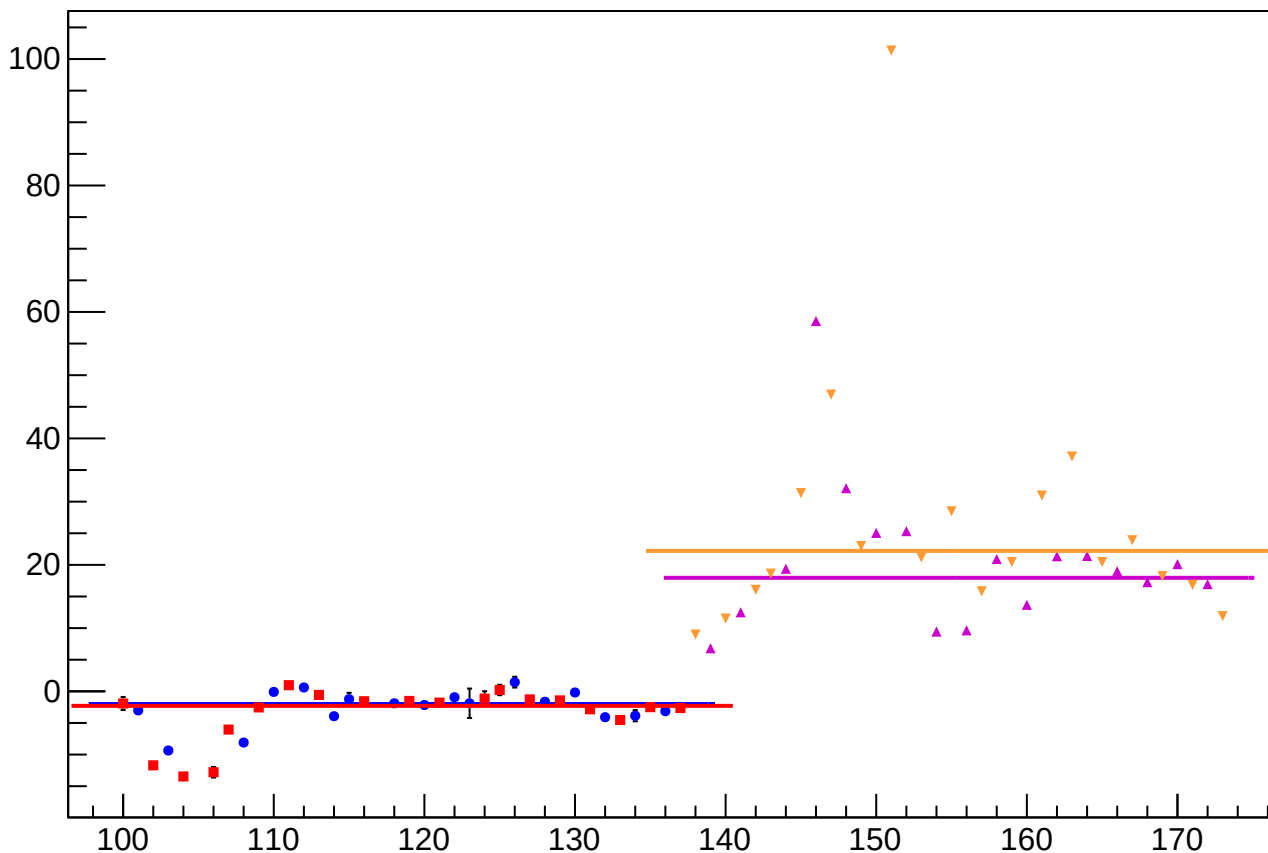
Right: 1.251 ± 0.042 $\chi^2/\text{NDF}: 1665.8/35$

In: 1.493 ± 0.031 $\chi^2/\text{NDF}: 2591.9/33$

Out: 1.634 ± 0.033 $\chi^2/\text{NDF}: 3351.6/37$

All: 1.560 ± 0.022 $\chi^2/\text{NDF}: 5953.3/71$

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 22.212 ± 0.053 χ^2/NDF : 55529.8/18

Right Out: -2.295 ± 0.098 χ^2/NDF : 907.2/18

Left In: 17.954 ± 0.048 χ^2/NDF : 35234.4/16

Left: 19.864 ± 0.035 χ^2/NDF : 94360.0/35

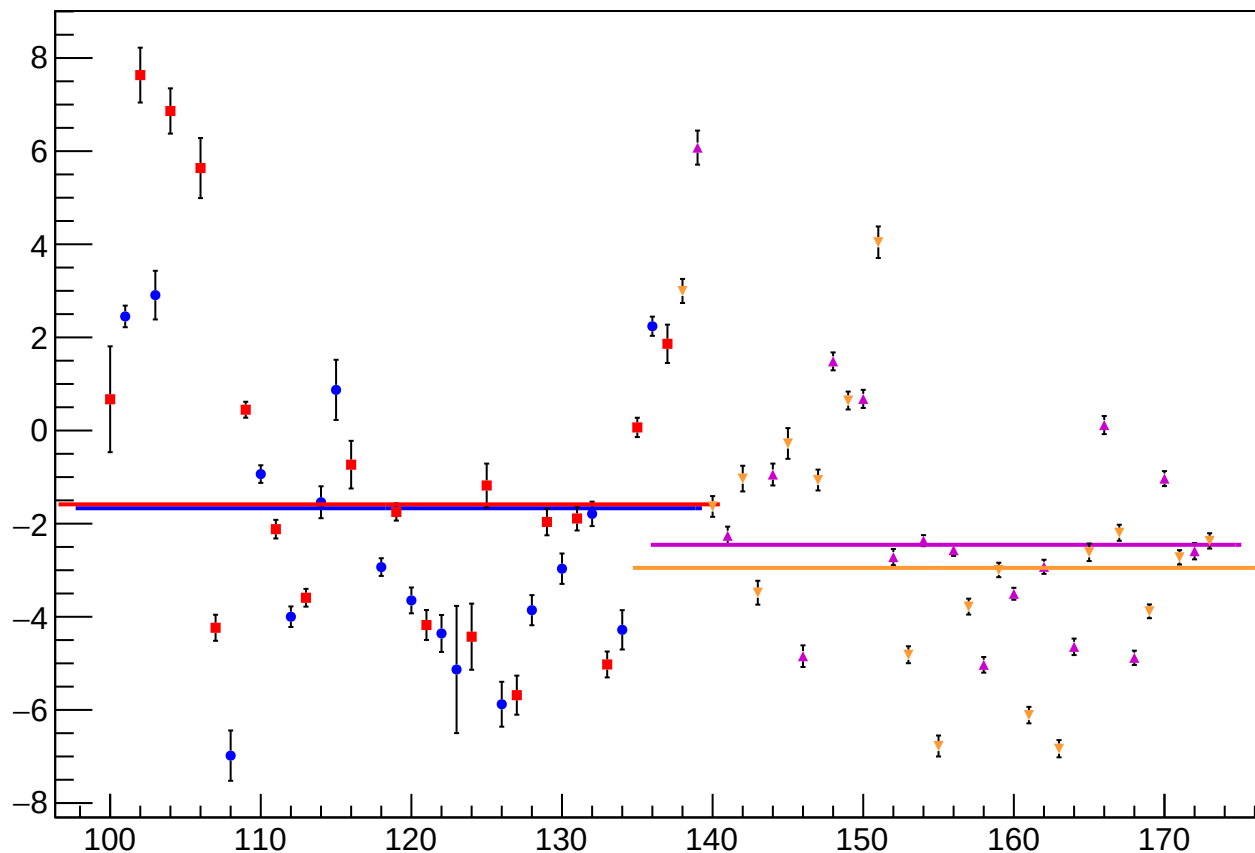
Right: -2.167 ± 0.074 χ^2/NDF : 1374.2/35

In: 14.845 ± 0.044 χ^2/NDF : 63133.0/33

Out: 16.749 ± 0.046 χ^2/NDF : 104582.2/37

All: 15.738 ± 0.032 χ^2/NDF : 168605.7/71

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.669 ± 0.071 χ^2/NDF : 1314.9/16

Left Out: -2.950 ± 0.045 χ^2/NDF : 2782.8/18

Right Out: -1.585 ± 0.065 χ^2/NDF : 1494.7/18

Left In: -2.454 ± 0.041 χ^2/NDF : 2344.7/16

Left: -2.679 ± 0.030 χ^2/NDF : 5194.9/35

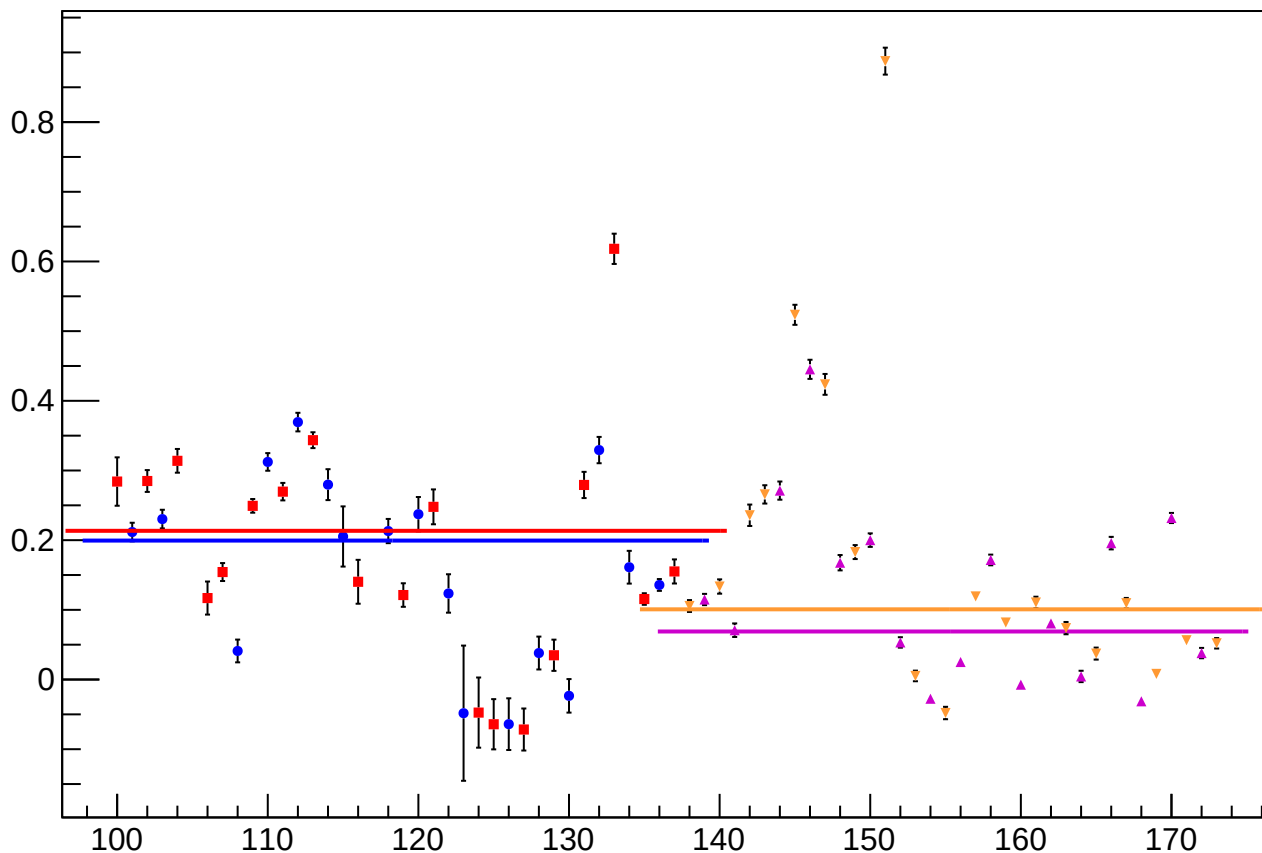
Right: -1.624 ± 0.048 χ^2/NDF : 2810.4/35

In: -2.260 ± 0.035 χ^2/NDF : 3752.2/33

Out: -2.516 ± 0.037 χ^2/NDF : 4574.6/37

All: -2.382 ± 0.025 χ^2/NDF : 8352.0/71

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.199 $\pm$ 0.004 χ^2 /NDF: 662.1/16

Left Out: 0.101 $\pm$ 0.002 χ^2 /NDF: 4092.1/18

Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1048.2/18

Left In: 0.069 $\pm$ 0.002 χ^2 /NDF: 3173.8/16

Left: 0.083 $\pm$ 0.001 χ^2 /NDF: 7407.6/35

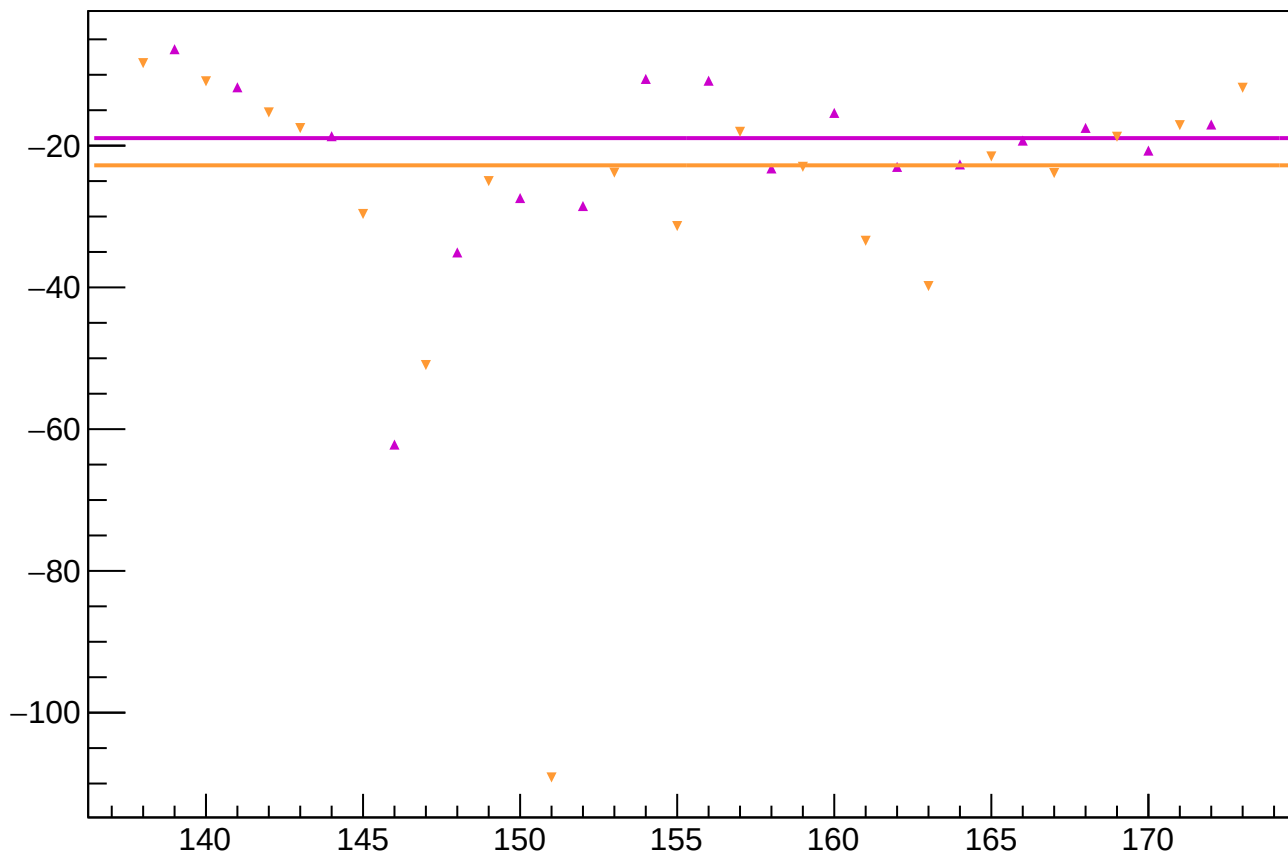
Right: 0.207 $\pm$ 0.003 χ^2 /NDF: 1716.7/35

In: 0.089 $\pm$ 0.002 χ^2 /NDF: 4678.1/33

Out: 0.126 $\pm$ 0.002 χ^2 /NDF: 5863.8/37

All: 0.106 $\pm$ 0.001 χ^2 /NDF: 10783.2/71

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -22.777+/-0.053 χ^2/NDF :62404.8/18

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

Left In: -18.937+/-0.049 χ^2/NDF :37273.5/16

Left: -20.691+/-0.036 χ^2/NDF : 102478.1/35

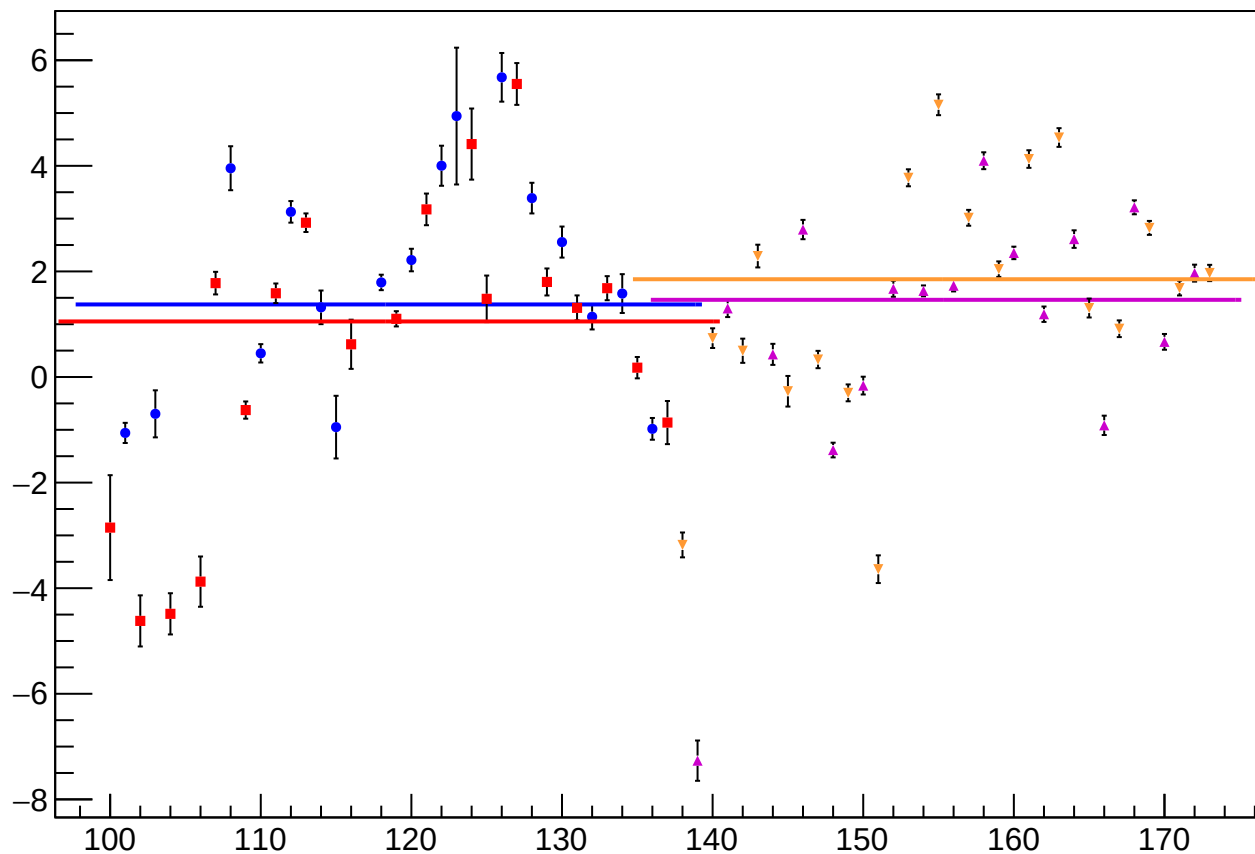
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.937+/-0.049 χ^2/NDF :37273.5/16

Out: -22.777+/-0.053 χ^2/NDF :62404.8/18

All: -20.691+/-0.036 χ^2/NDF : 102478.1/35

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 ± 0.062 χ^2/NDF : 702.4/16

Left Out: 1.852 ± 0.040 χ^2/NDF : 2291.9/18

Right Out: 1.052 ± 0.058 χ^2/NDF : 964.0/18

Left In: 1.462 ± 0.036 χ^2/NDF : 1886.8/16

Left: 1.638 ± 0.027 χ^2/NDF : 4231.6/35

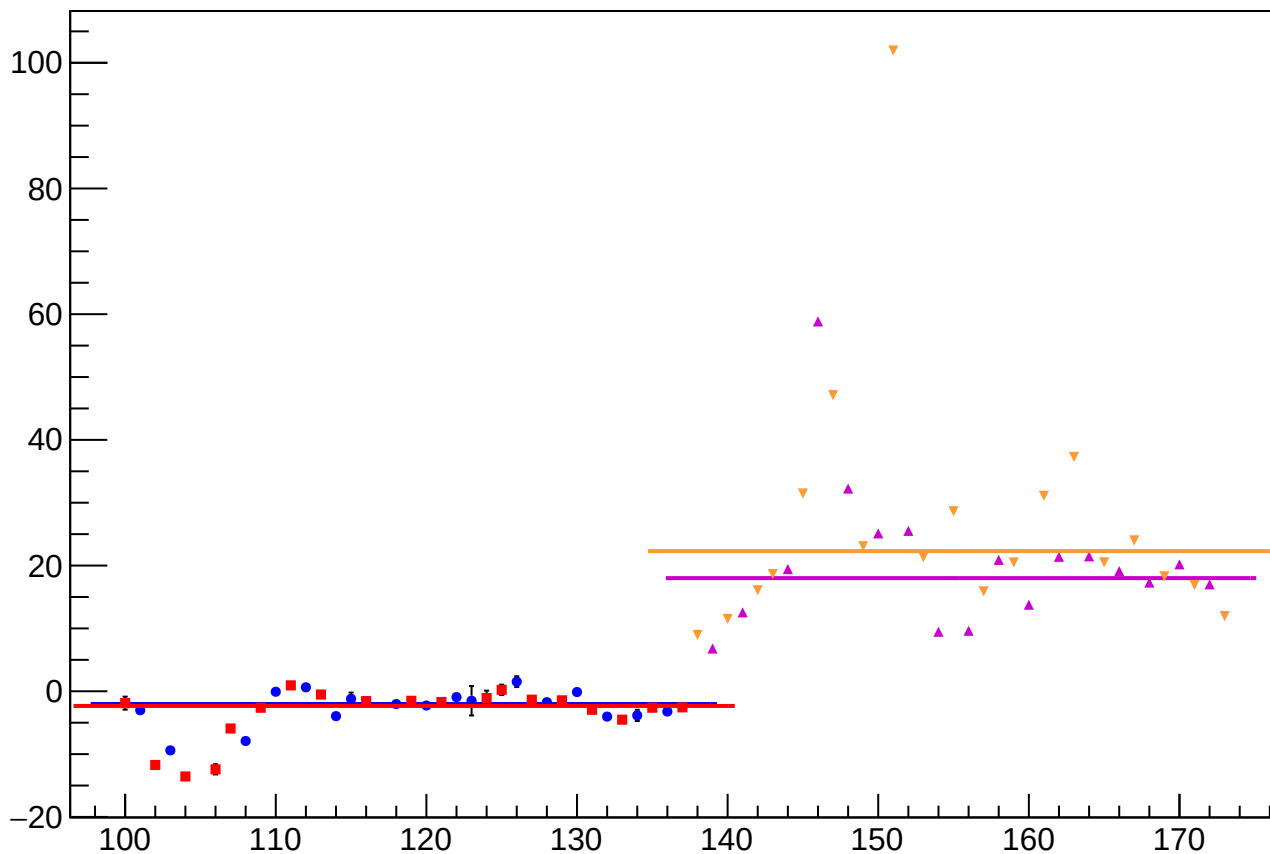
Right: 1.203 ± 0.042 χ^2/NDF : 1680.9/35

In: 1.440 ± 0.031 χ^2/NDF : 2590.7/33

Out: 1.597 ± 0.033 χ^2/NDF : 3385.4/37

All: 1.514 ± 0.023 χ^2/NDF : 5988.1/71

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.031 ± 0.111 χ^2/NDF : 463.2/16

Left Out: 22.301 ± 0.053 χ^2/NDF : 55627.3/18

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

Left In: 18.006 ± 0.048 χ^2/NDF : 35311.8/16

Left: 19.931 ± 0.035 χ^2/NDF : 94569.5/35

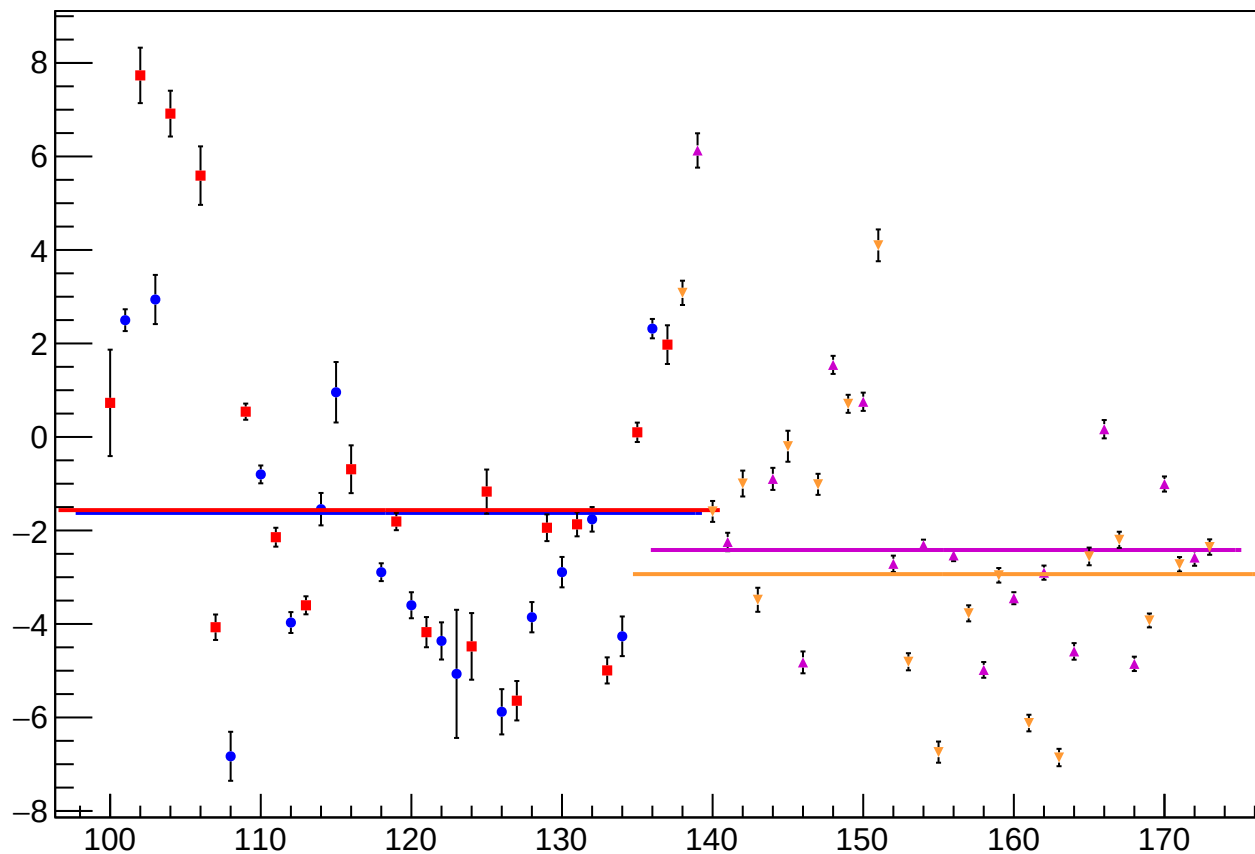
Right: -2.202 ± 0.074 χ^2/NDF : 1369.3/35

In: 14.893 ± 0.044 χ^2/NDF : 63147.2/33

Out: 16.815 ± 0.047 χ^2/NDF : 104729.6/37

All: 15.795 ± 0.032 χ^2/NDF : 168776.9/71

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625 ± 0.071 χ^2/NDF : 1320.8/16

Left Out: -2.934 ± 0.045 χ^2/NDF : 2811.0/18

Right Out: -1.565 ± 0.066 χ^2/NDF : 1505.8/18

Left In: -2.418 ± 0.041 χ^2/NDF : 2336.3/16

Left: -2.651 ± 0.030 χ^2/NDF : 5219.7/35

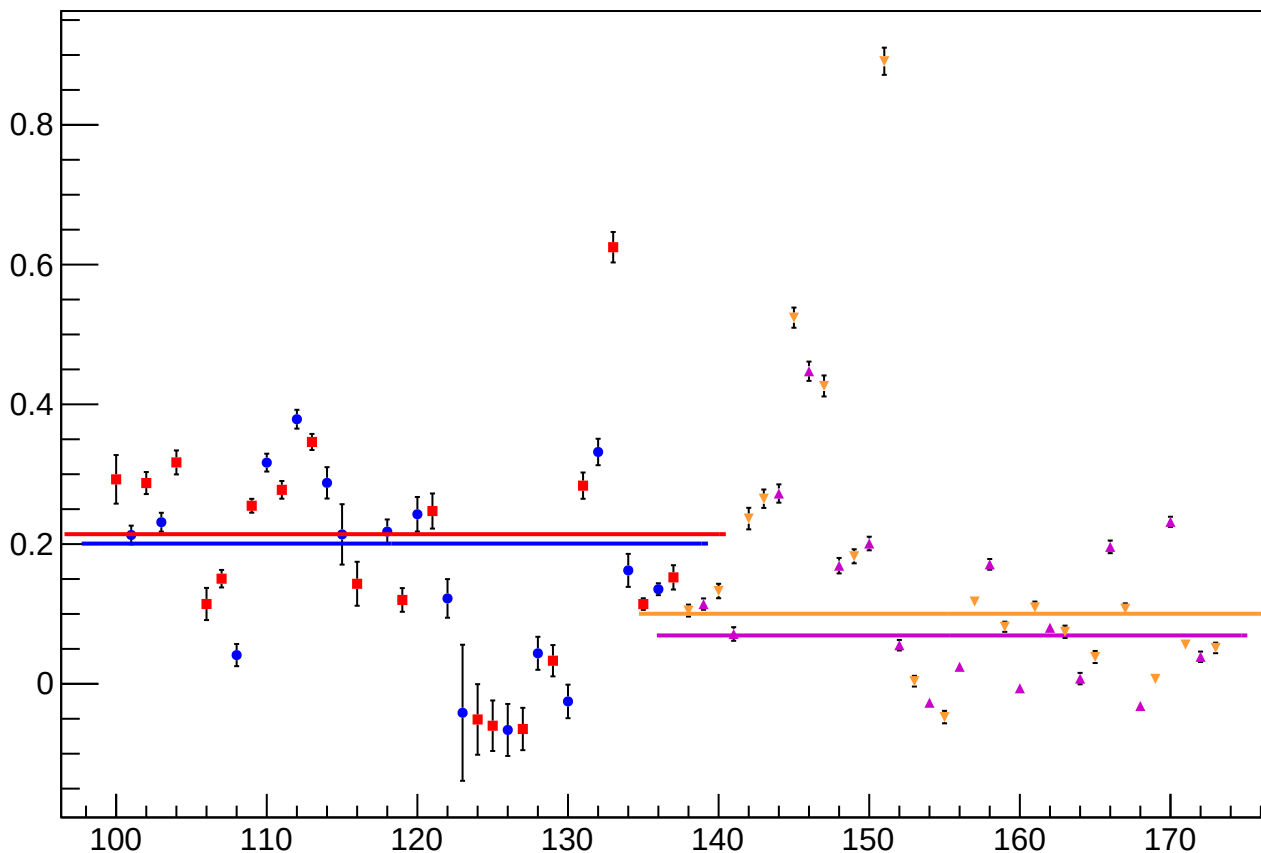
Right: -1.592 ± 0.048 χ^2/NDF : 2826.9/35

In: -2.221 ± 0.035 χ^2/NDF : 3750.6/33

Out: -2.498 ± 0.037 χ^2/NDF : 4613.6/37

All: -2.353 ± 0.026 χ^2/NDF : 8393.3/71

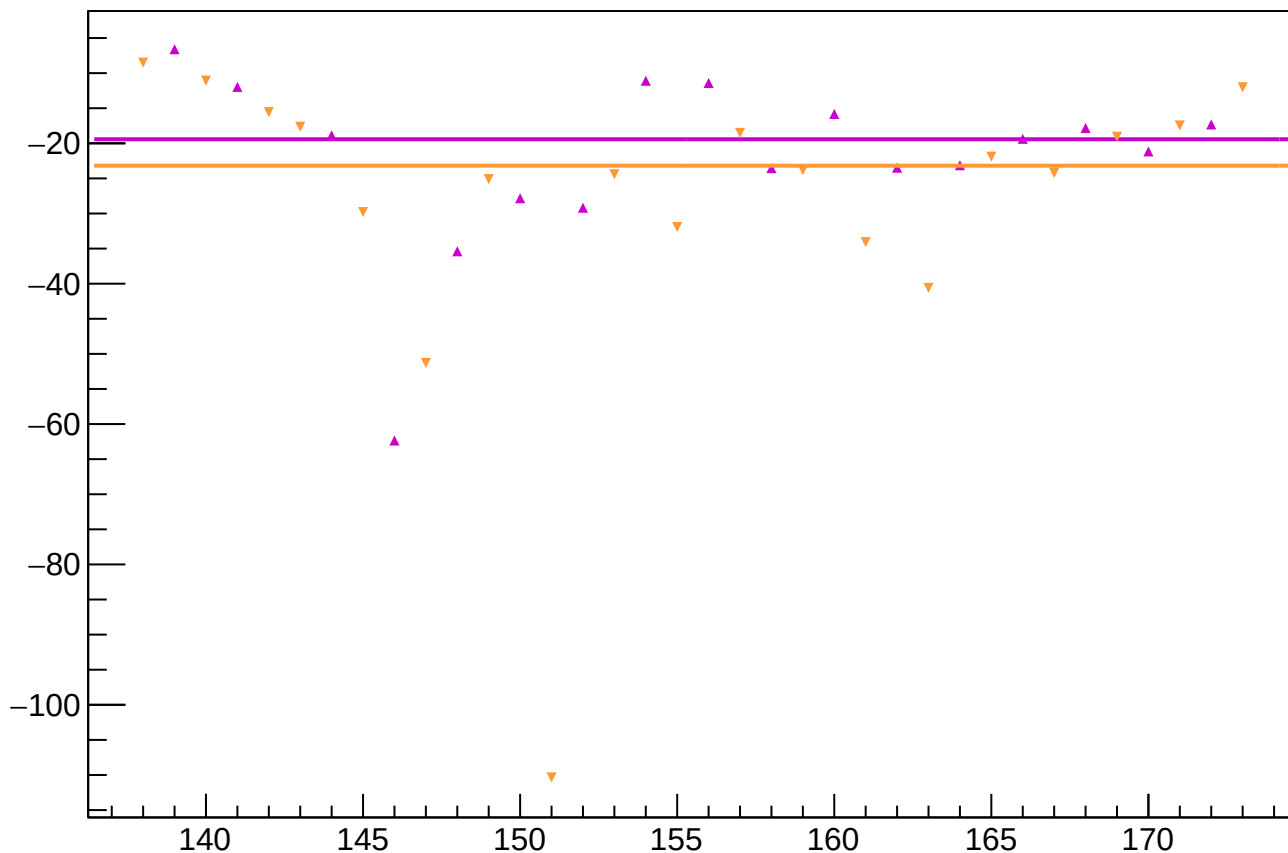
reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 $\pm$ 0.004 χ^2 /NDF: 690.6/16
 Left Out: 0.100 $\pm$ 0.002 χ^2 /NDF: 4079.6/18
 Right Out: 0.214 $\pm$ 0.004 χ^2 /NDF: 1080.4/18
 Left In: 0.069 $\pm$ 0.002 χ^2 /NDF: 3152.3/16

Left: 0.083 $\pm$ 0.001 χ^2 /NDF: 7365.6/35
 Right: 0.208 $\pm$ 0.003 χ^2 /NDF: 1776.9/35
 In: 0.090 $\pm$ 0.002 χ^2 /NDF: 4691.8/33
 Out: 0.126 $\pm$ 0.002 χ^2 /NDF: 5895.8/37
 All: 0.107 $\pm$ 0.001 χ^2 /NDF: 10819.9/71

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.191+/-0.055 χ^2/NDF :62260.9/18

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

Left In: -19.419+/-0.050 χ^2/NDF :36146.8/16

Left: -21.150+/-0.037 χ^2/NDF : 100996.2/35

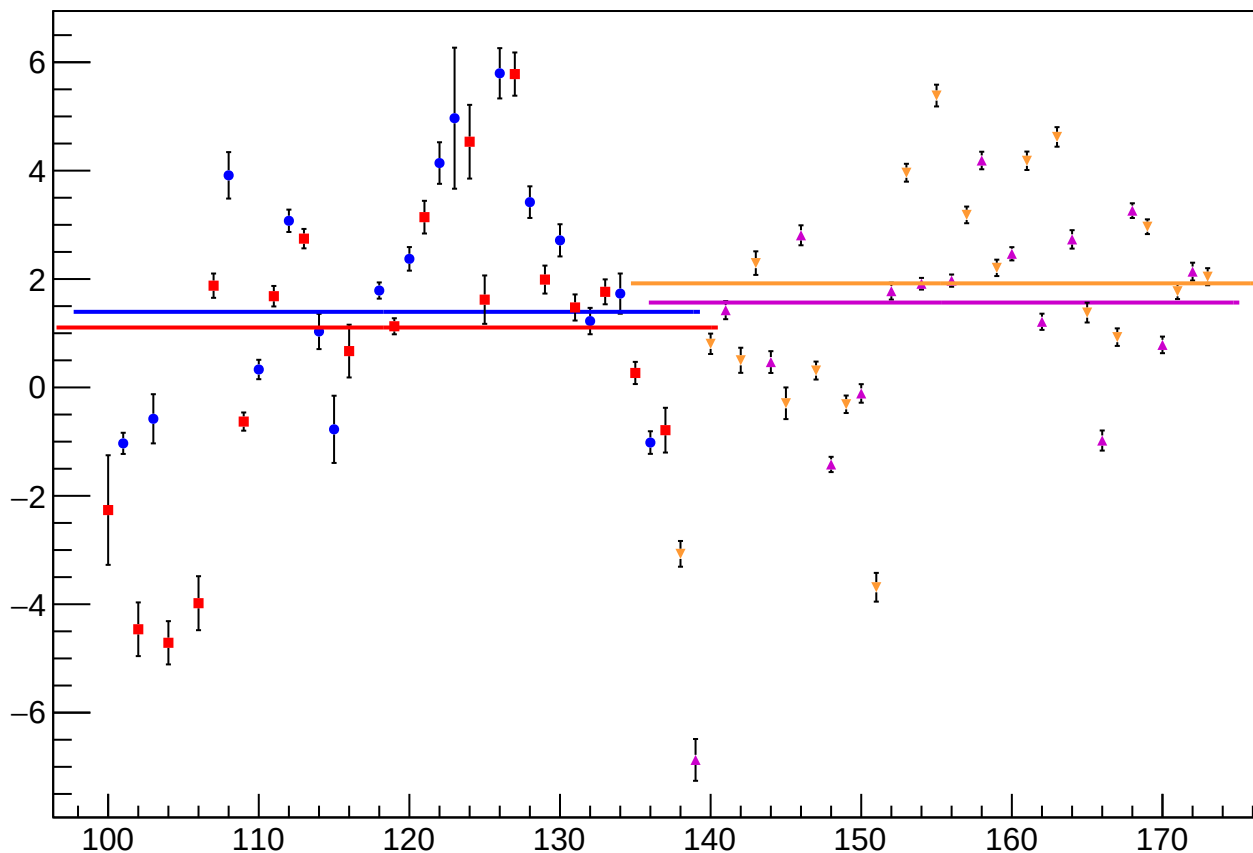
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.419+/-0.050 χ^2/NDF :36146.8/16

Out: -23.191+/-0.055 χ^2/NDF :62260.9/18

All: -21.150+/-0.037 χ^2/NDF : 100996.2/35

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 $\pm$ 0.063 χ^2/NDF : 701.4/16

Left Out: 1.920 $\pm$ 0.040 χ^2/NDF :2337.6/18

Right Out: 1.106 $\pm$ 0.059 χ^2/NDF : 937.0/18

Left In: 1.566 $\pm$ 0.037 χ^2/NDF :1877.8/16

Left: 1.727 $\pm$ 0.027 χ^2/NDF : 4257.3/35

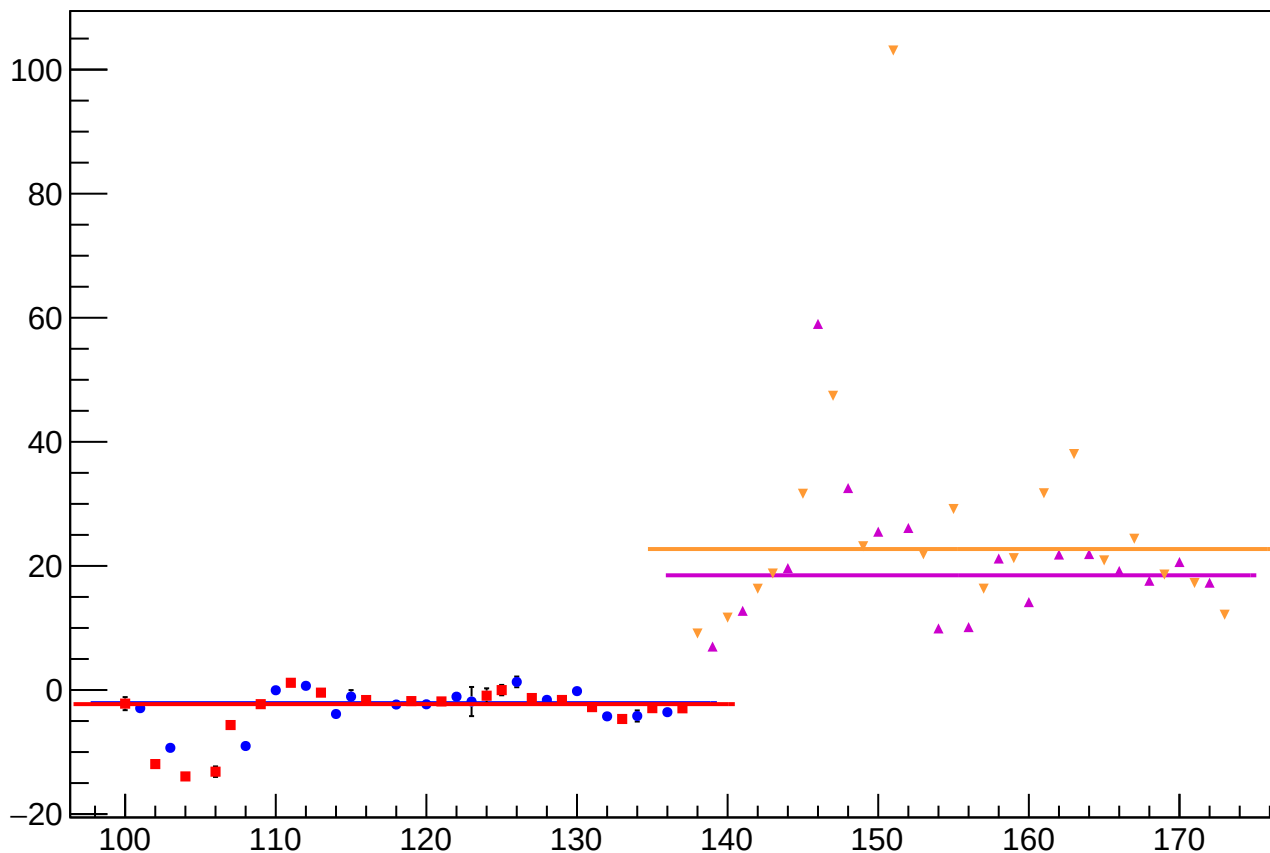
Right: 1.241 $\pm$ 0.043 χ^2/NDF : 1649.6/35

In: 1.522 $\pm$ 0.032 χ^2/NDF :2584.7/33

Out: 1.661 $\pm$ 0.033 χ^2/NDF :3403.5/37

All: 1.588 $\pm$ 0.023 χ^2/NDF : 5997.3/71

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.119 ± 0.113 χ^2/NDF : 486.3/16

Left Out: 22.722 ± 0.054 χ^2/NDF : 55373.8/18

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

Left In: 18.488 ± 0.049 χ^2/NDF : 34055.7/16

Left: 20.395 ± 0.036 χ^2/NDF : 92806.3/35

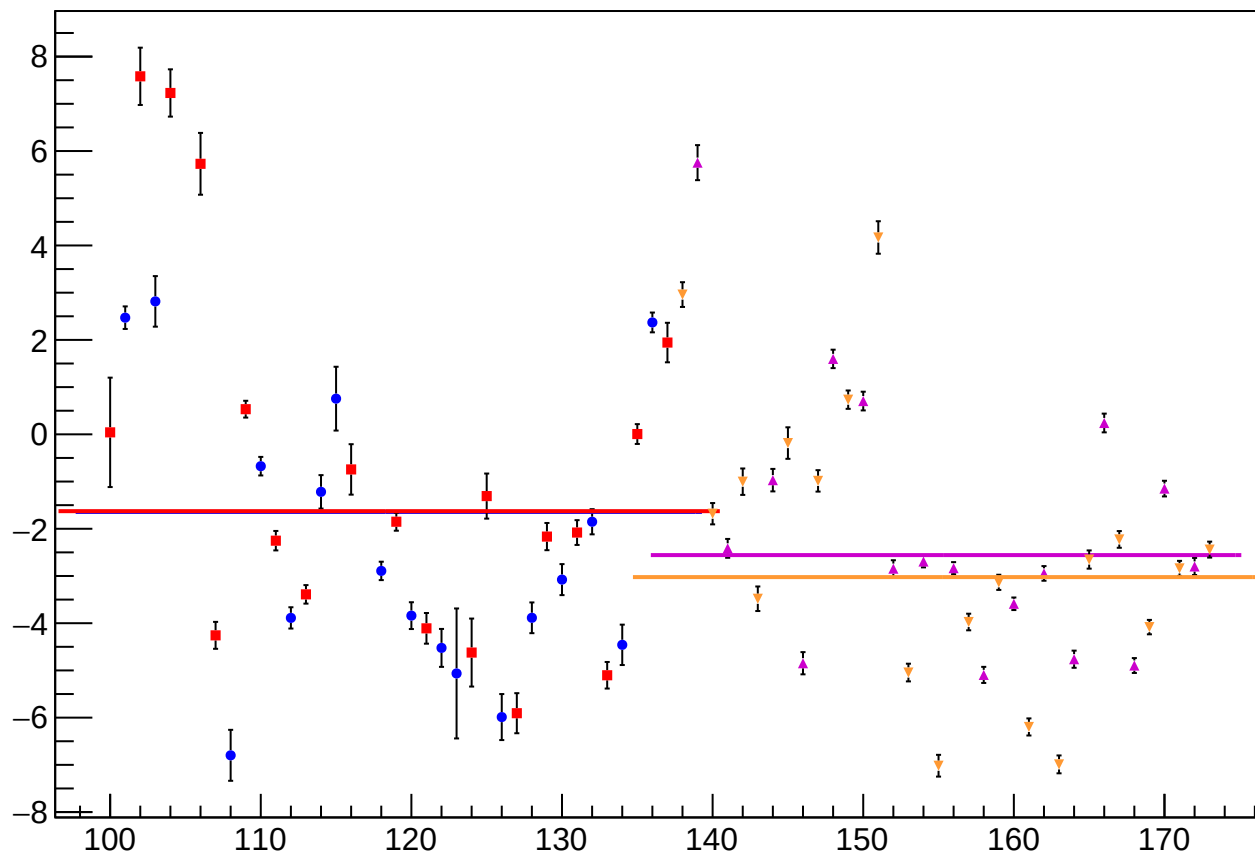
Right: -2.207 ± 0.075 χ^2/NDF : 1406.8/35

In: 15.251 ± 0.045 χ^2/NDF : 62425.7/33

Out: 17.166 ± 0.048 χ^2/NDF : 103904.6/37

All: 16.152 ± 0.033 χ^2/NDF : 167186.4/71

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.643+/-0.072 χ^2/NDF : 1310.1/16

Left Out: -3.024+/-0.046 χ^2/NDF : 2853.7/18

Right Out: -1.627+/-0.067 χ^2/NDF : 1468.1/18

Left In: -2.557+/-0.042 χ^2/NDF : 2301.5/16

Left: -2.770+/-0.031 χ^2/NDF : 5211.8/35

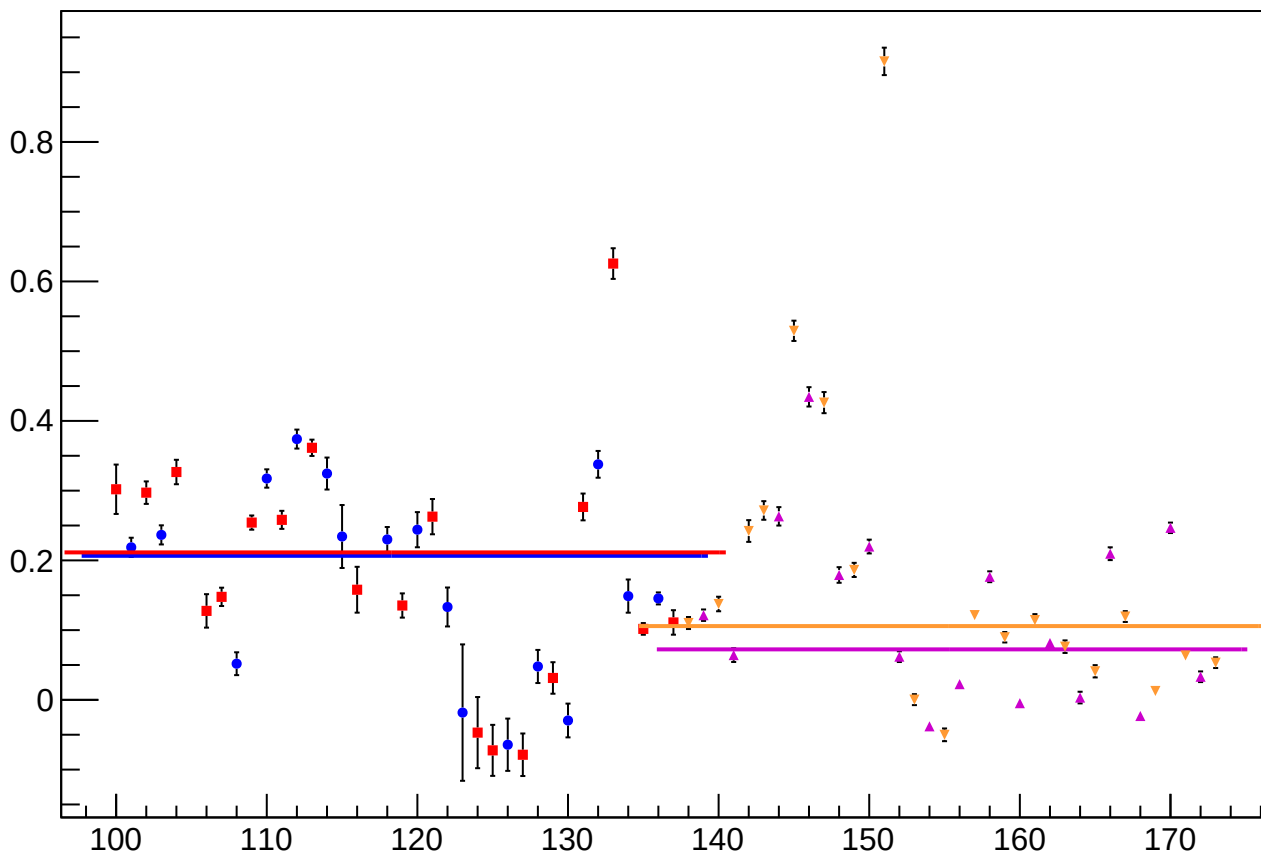
Right: -1.635+/-0.049 χ^2/NDF : 2778.2/35

In: -2.329+/-0.036 χ^2/NDF : 3731.3/33

Out: -2.579+/-0.038 χ^2/NDF : 4618.5/37

All: -2.448+/-0.026 χ^2/NDF : 8372.7/71

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 655.0/16

Left Out: 0.106 $\pm$ 0.002 χ^2/NDF :4109.6/18

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.6/18

Left In: 0.072 $\pm$ 0.002 χ^2/NDF :3244.9/16

Left: 0.087 $\pm$ 0.001 χ^2/NDF : 7502.6/35

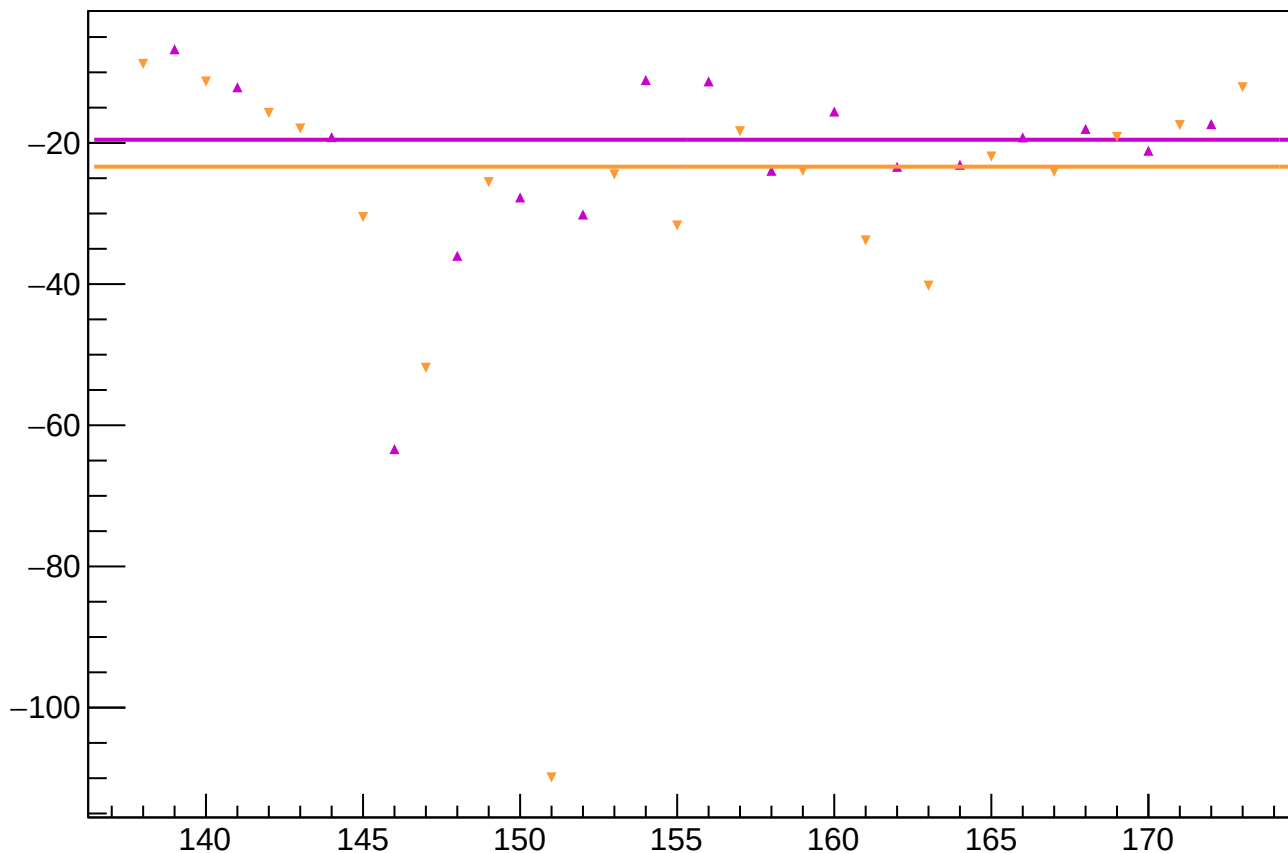
Right: 0.209 $\pm$ 0.003 χ^2/NDF : 1801.3/35

In: 0.094 $\pm$ 0.002 χ^2/NDF :4751.7/33

Out: 0.130 $\pm$ 0.002 χ^2/NDF :5863.0/37

All: 0.110 $\pm$ 0.001 χ^2/NDF : 10834.1/71

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.365 $\pm$ 0.055 χ^2 /NDF:61033.9/18

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

Left In: -19.546 $\pm$ 0.051 χ^2 /NDF:36446.7/16

Left: -21.305 $\pm$ 0.037 χ^2 /NDF: 100074.4/35

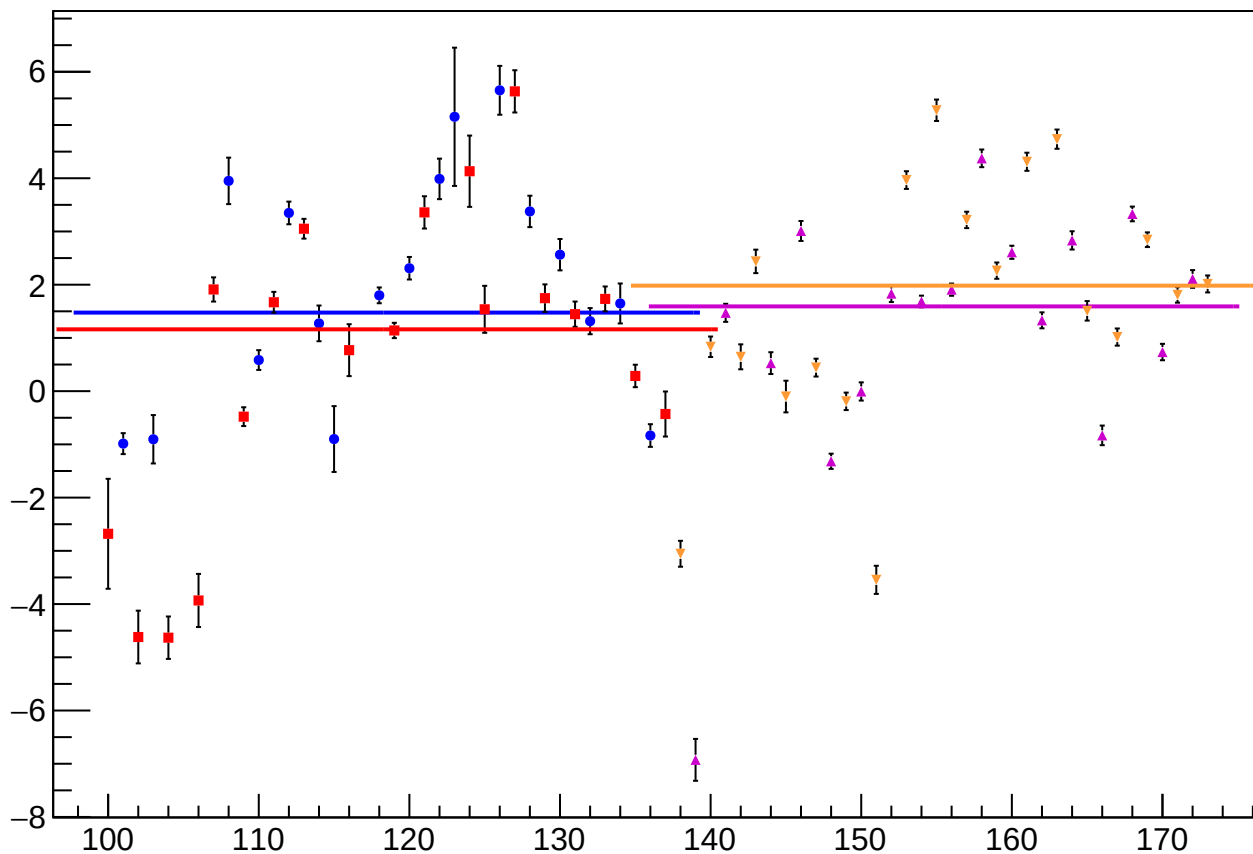
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -19.546 $\pm$ 0.051 χ^2 /NDF:36446.7/16

Out: -23.365 $\pm$ 0.055 χ^2 /NDF:61033.9/18

All: -21.305 $\pm$ 0.037 χ^2 /NDF: 100074.4/35

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476 $\pm$ 0.064 χ^2 /NDF: 659.7/16

Left Out: 1.982 $\pm$ 0.041 χ^2 /NDF:2226.8/18

Right Out: 1.161 $\pm$ 0.060 χ^2 /NDF: 917.9/18

Left In: 1.592 $\pm$ 0.037 χ^2 /NDF:1841.0/16

Left: 1.770 $\pm$ 0.028 χ^2 /NDF: 4117.4/35

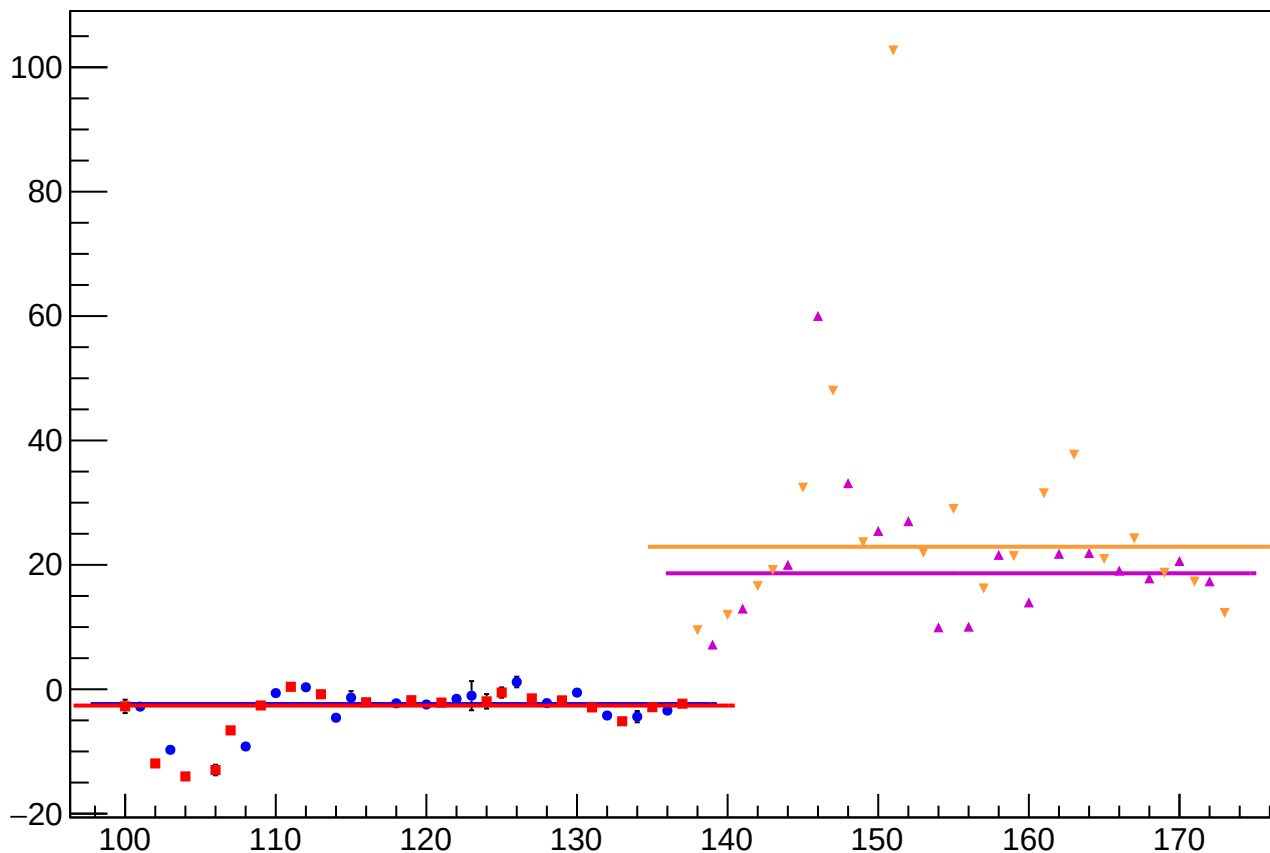
Right: 1.309 $\pm$ 0.044 χ^2 /NDF: 1590.5/35

In: 1.562 $\pm$ 0.032 χ^2 /NDF:2503.2/33

Out: 1.722 $\pm$ 0.034 χ^2 /NDF:3272.7/37

All: 1.638 $\pm$ 0.023 χ^2 /NDF: 5787.6/71

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380 ± 0.115 $\chi^2/\text{NDF}: 438.8/16$

Left Out: 22.908 ± 0.055 $\chi^2/\text{NDF}: 54385.0/18$

Right Out: -2.623 ± 0.103 $\chi^2/\text{NDF}: 841.3/18$

Left In: 18.645 ± 0.050 $\chi^2/\text{NDF}: 34368.7/16$

Left: 20.573 ± 0.037 $\chi^2/\text{NDF}: 92101.4/35$

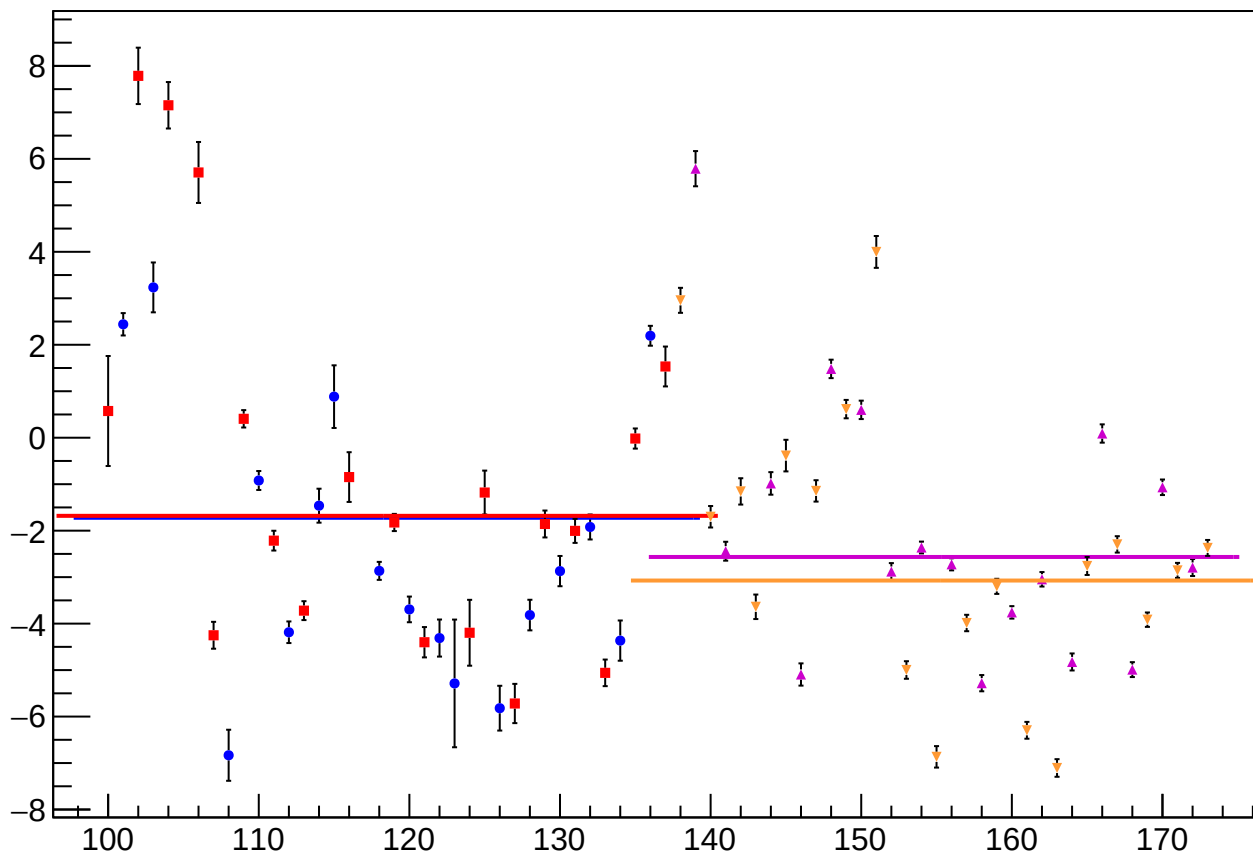
Right: -2.514 ± 0.077 $\chi^2/\text{NDF}: 1282.5/35$

In: 15.354 ± 0.046 $\chi^2/\text{NDF}: 62987.1/33$

Out: 17.341 ± 0.048 $\chi^2/\text{NDF}: 103030.5/37$

All: 16.290 ± 0.033 $\chi^2/\text{NDF}: 166915.2/71$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.722 ± 0.073 χ^2/NDF : 1247.6/16

Left Out: -3.073 ± 0.046 χ^2/NDF : 2734.6/18

Right Out: -1.681 ± 0.068 χ^2/NDF : 1431.0/18

Left In: -2.566 ± 0.042 χ^2/NDF : 2293.4/16

Left: -2.798 ± 0.031 χ^2/NDF : 5093.4/35

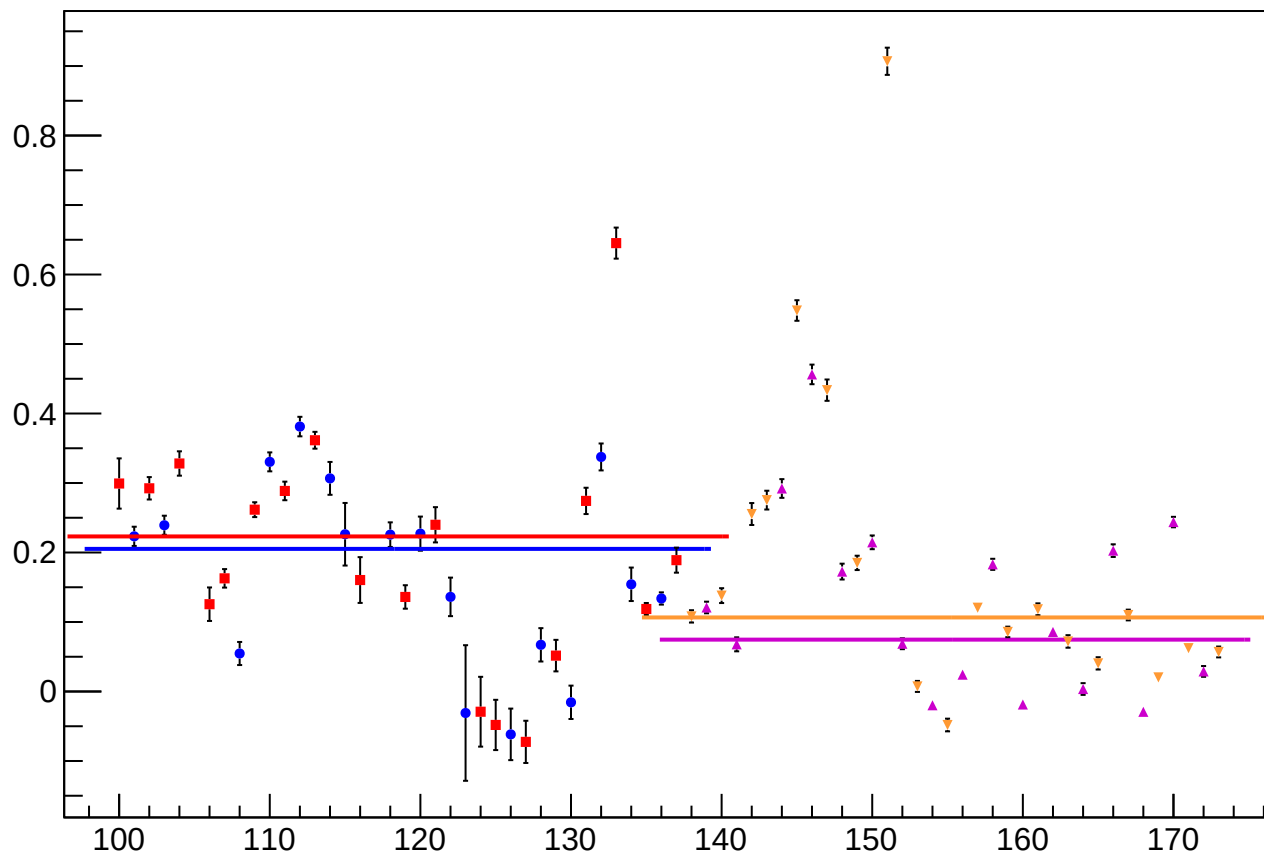
Right: -1.700 ± 0.050 χ^2/NDF : 2678.8/35

In: -2.354 ± 0.037 χ^2/NDF : 3640.6/33

Out: -2.633 ± 0.038 χ^2/NDF : 4452.7/37

All: -2.488 ± 0.026 χ^2/NDF : 8121.2/71

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 $\pm$ 0.004 χ^2 /NDF: 650.7/16

Left Out: 0.107 $\pm$ 0.002 χ^2 /NDF: 4088.2/18

Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1040.5/18

Left In: 0.075 $\pm$ 0.002 χ^2 /NDF: 3219.8/16

Left: 0.089 $\pm$ 0.001 χ^2 /NDF: 7440.3/35

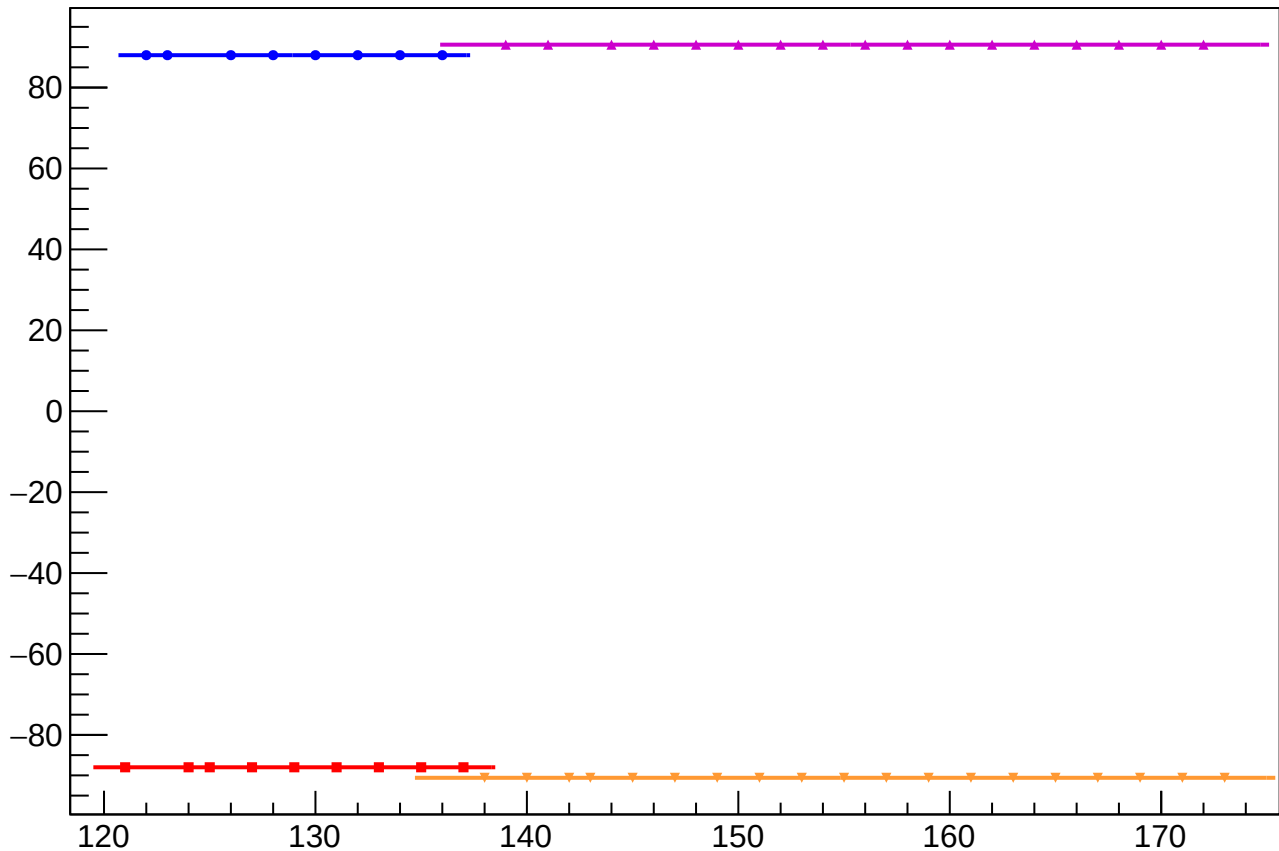
Right: 0.215 $\pm$ 0.003 χ^2 /NDF: 1700.9/35

In: 0.095 $\pm$ 0.002 χ^2 /NDF: 4655.7/33

Out: 0.133 $\pm$ 0.002 χ^2 /NDF: 5842.6/37

All: 0.113 $\pm$ 0.001 χ^2 /NDF: 10725.7/71

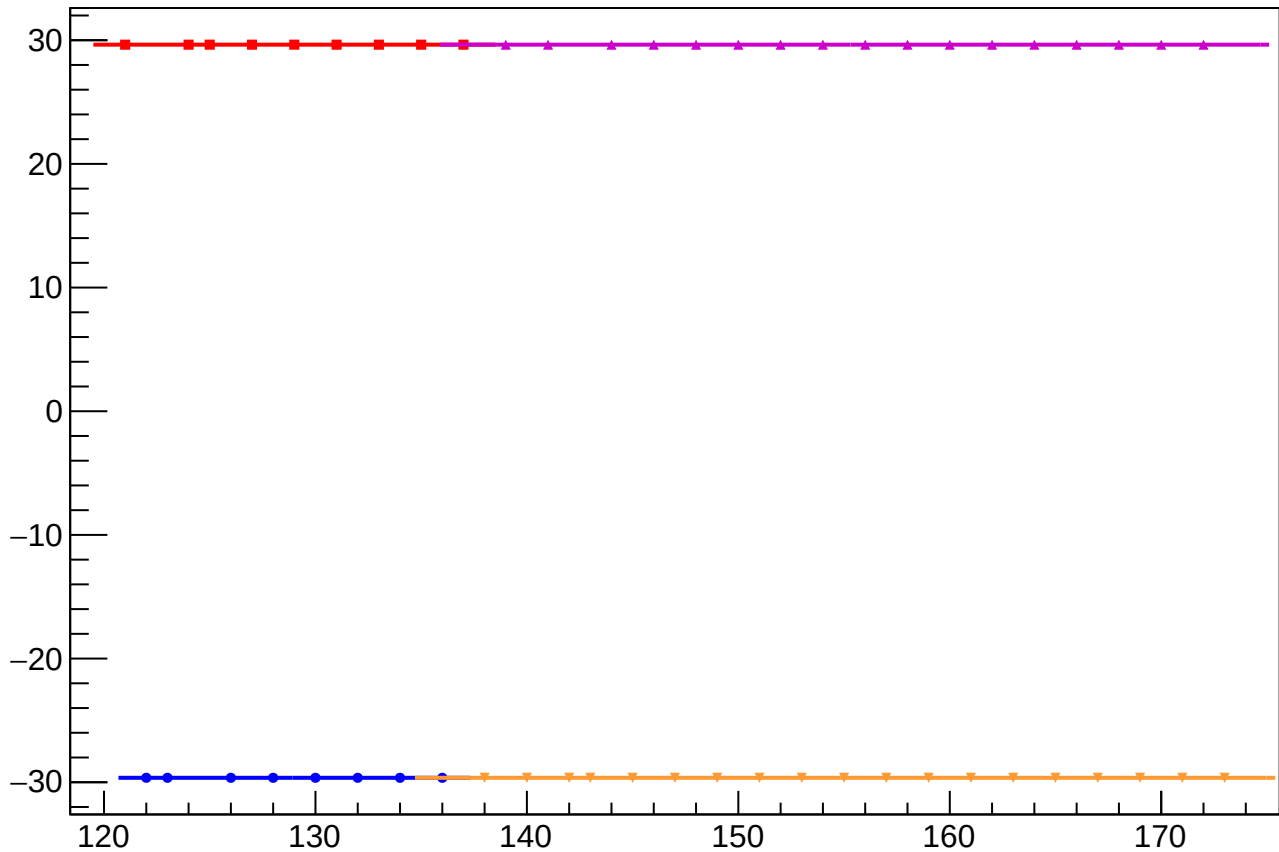
VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001 +/- 0.000 χ^2/NDF : 714089.5/7
Left Out: -90.599 +/- 0.000 χ^2/NDF : 5155540.5/18
Right Out: -88.001 +/- 0.000 χ^2/NDF : 109456.0/8
Left In: 90.599 +/- 0.000 χ^2/NDF : 5092734.5/16

Left: -3.287 +/- 0.000 χ^2/NDF : 23272499161550654
Right: 3.062 +/- 0.000 χ^2/NDF : 51126681569224617
In: 90.080 +/- 0.000 χ^2/NDF : 184753584105439968
Out: -90.136 +/- 0.000 χ^2/NDF : 1770219432762708
All: -2.088 +/- 0.000 χ^2/NDF : 2840678023528

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.641+/-0.000 χ^2/NDF : 405045.4/7

Left Out: -29.641+/-0.000 χ^2/NDF : 256613.3/18

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

Left In: 29.641+/-0.000 χ^2/NDF : 202251.3/16

Left: -1.075+/-0.000 χ^2/NDF : 24909807541389325

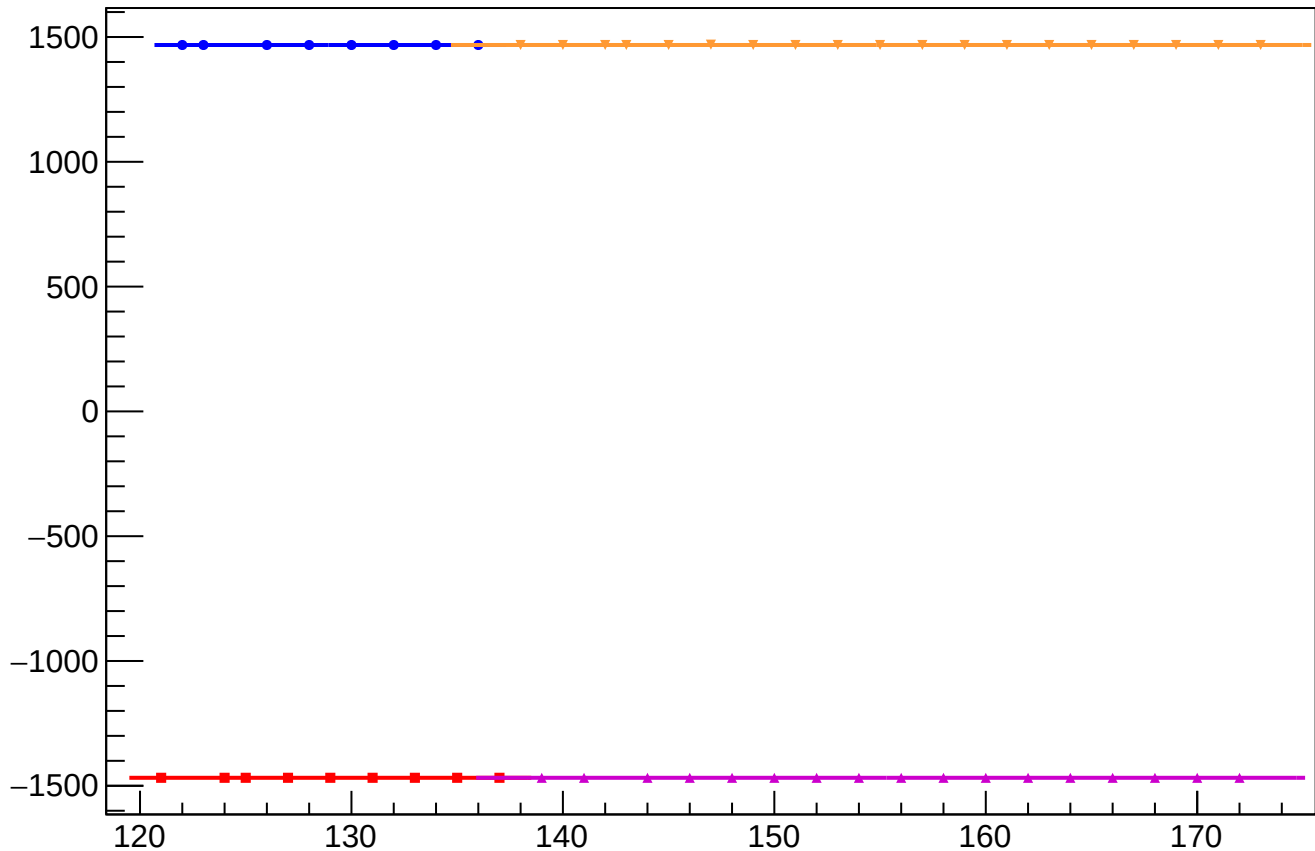
Right: -1.031+/-0.000 χ^2/NDF : 5800324943766944

In: 17.784+/-0.000 χ^2/NDF : 961508410741051682

Out: -19.076+/-0.000 χ^2/NDF : 9212708276810496

All: -1.067+/-0.000 χ^2/NDF : 3071014286771

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979 +/- 0.000

χ^2/NDF : 436234375.5/7

Left Out: 1468.062 +/- 0.000

χ^2/NDF : 126589253935792291724884541702144.0/18

Right Out: -1467.979 +/- 0.000

χ^2/NDF : 83183350.3/8

Left In: -1467.992 +/- 0.000

χ^2/NDF : 127535672486177554314249109504.0/16

Left: 53.296 +/- 0.000

χ^2/NDF : 61102861696547641

Right: 51.079 +/- 0.000

χ^2/NDF : 1422706063207371

In: -880.798 +/- 0.000

χ^2/NDF : 2358411990190531

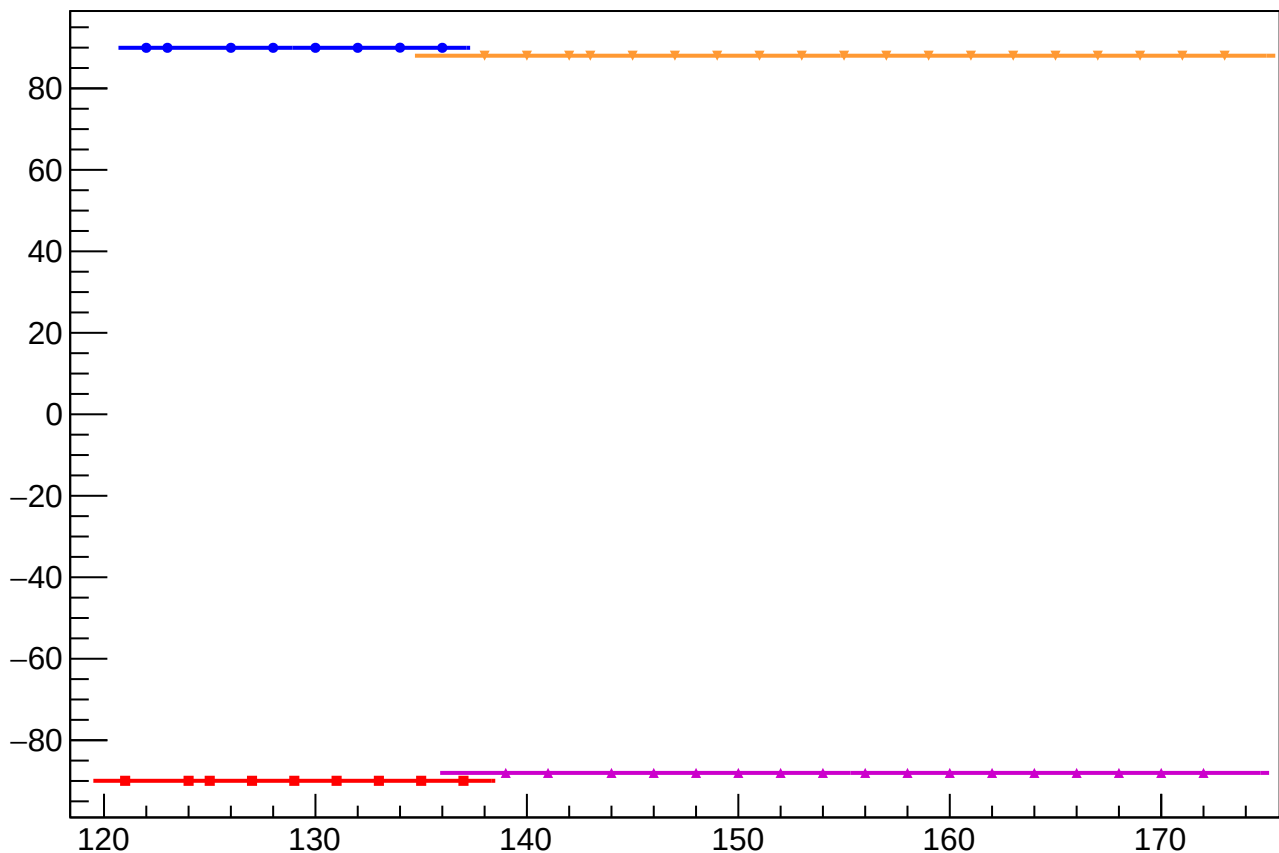
Out: 944.824 +/- 0.000

χ^2/NDF : 2259824874955961

All: 52.877 +/- 0.000

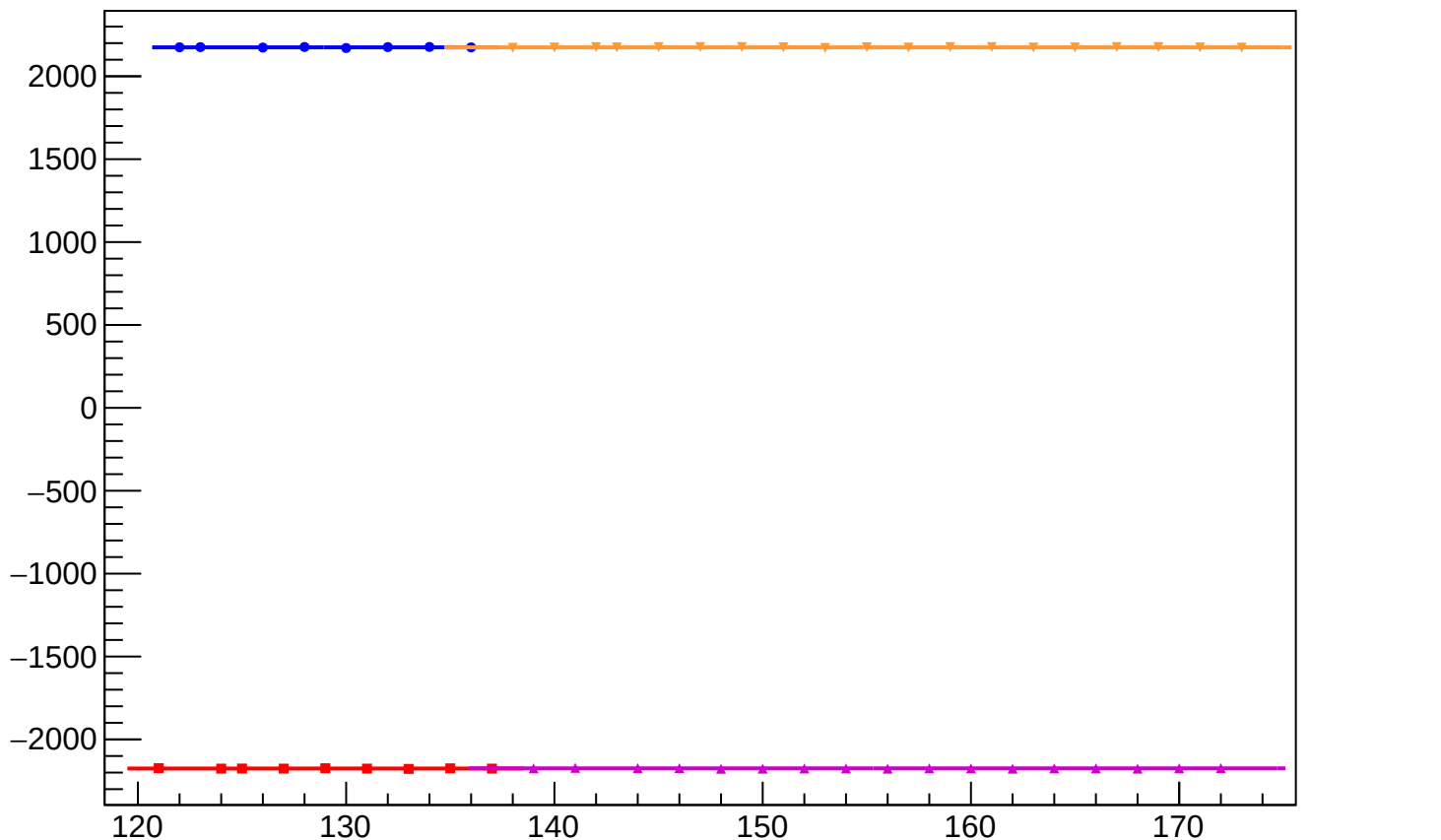
χ^2/NDF : 7532994866661

Phi_FG_mean vs Slug, Sign Corrected



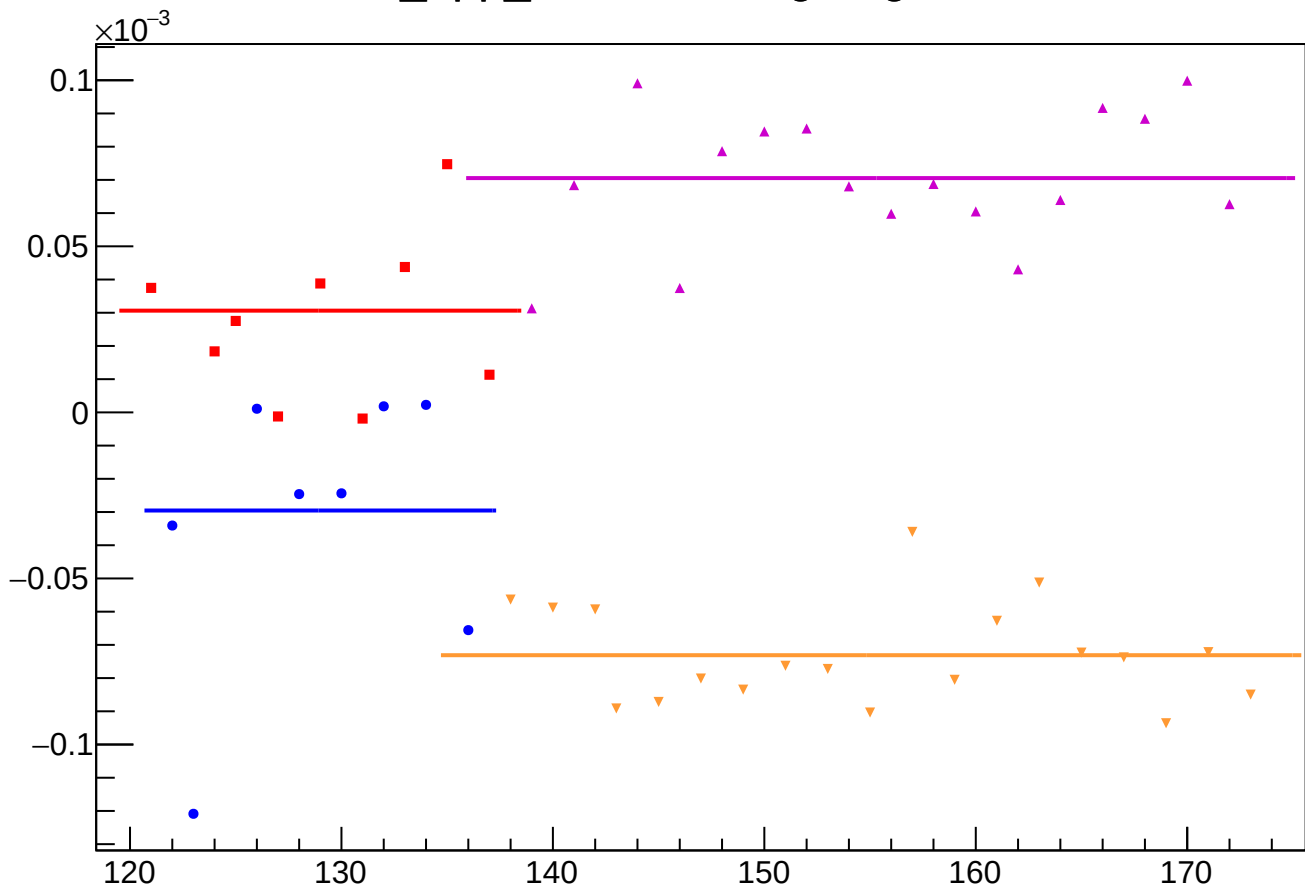
Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7
 Left Out: 88.021+/-0.000 χ^2/NDF : 4616944.1/18
 Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8
 Left In: -88.021+/-0.000 χ^2/NDF : 4607452.6/16
 Left: 3.193+/-0.000 χ^2/NDF : 219666098128534871
 Right: 3.131+/-0.000 χ^2/NDF : 53429021948733419
 In: -52.424+/-0.000 χ^2/NDF : 86669921377416337
 Out: 56.302+/-0.000 χ^2/NDF : 83041030451505988
 All: 3.182+/-0.000 χ^2/NDF : 27309514080208

HALLA_p_mean vs Slug, Sign Corrected



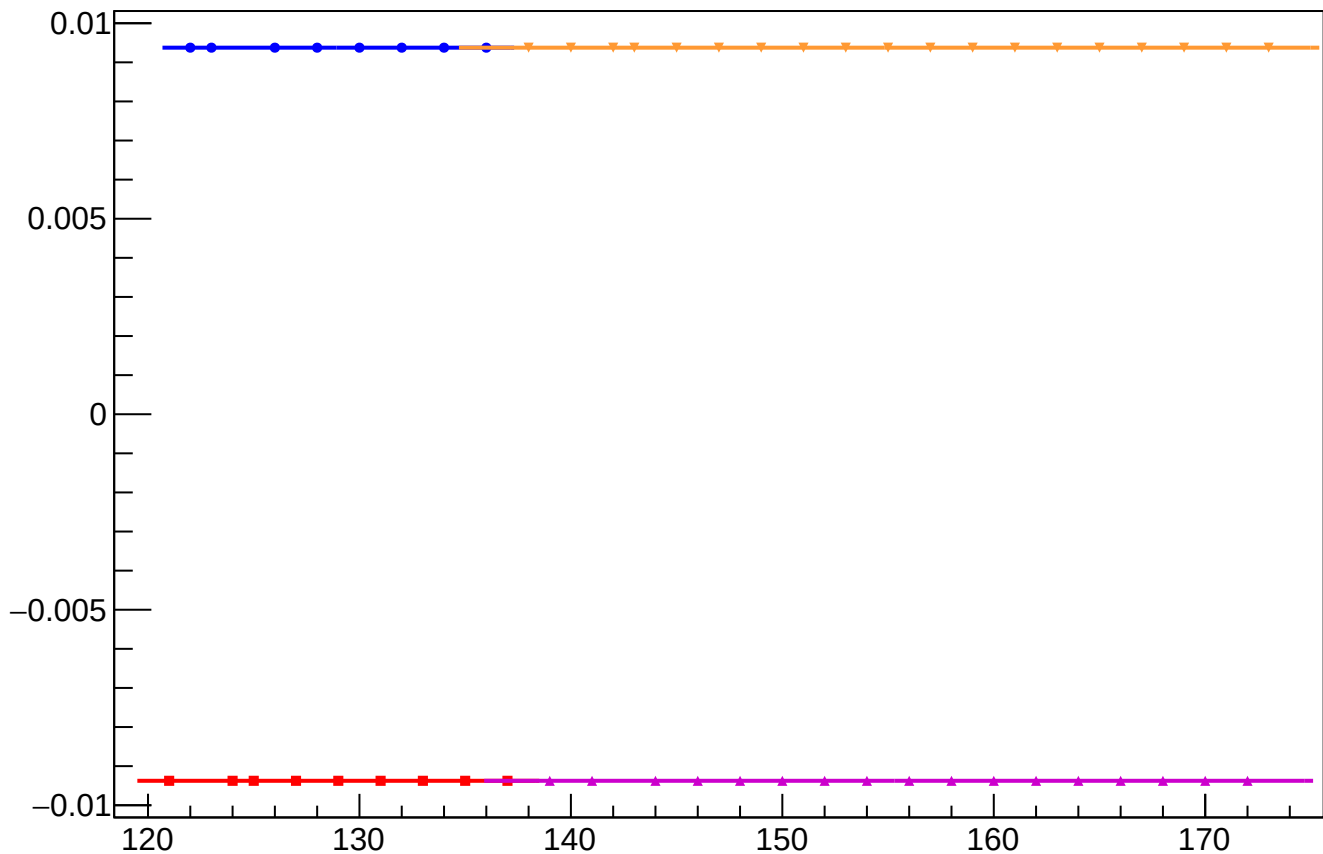
Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7
 Left Out: 2174.464 $\pm$ 0.000 χ^2 /NDF: 4203477433208397333783478685138944.0/18
 Right Out: -2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8
 Left In: -2174.551 $\pm$ 0.000 χ^2 /NDF: 2817186094952064124325174219636736.0/16
 All: 78.168 $\pm$ 0.000 χ^2 /NDF: 1652968200632

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000 ± 0.000	$\chi^2/\text{NDF}: 250161267307815387529216.0/7$	Left: -0.000 ± 0.000	$\chi^2/\text{NDF}: 15479757863357496$
Left Out: -0.000 ± 0.000	$\chi^2/\text{NDF}: 327633234110087895711744.0/18$	Right: -0.000 ± 0.000	$\chi^2/\text{NDF}: 1044577663810456$
Right Out: 0.000 ± 0.000	$\chi^2/\text{NDF}: 196732771178766734983168.0/8$	In: 0.000 ± 0.000	$\chi^2/\text{NDF}: 3516009785629882108$
Left In: 0.000 ± 0.000	$\chi^2/\text{NDF}: 525124606031909049335808.0/16$	Out: -0.000 ± 0.000	$\chi^2/\text{NDF}: 33457391745147851$
		All: -0.000 ± 0.000	$\chi^2/\text{NDF}: 1653048569868$

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/18

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: -0.009 $\pm$ 0.000 χ^2 /NDF:0.1/16

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 249193047728072567

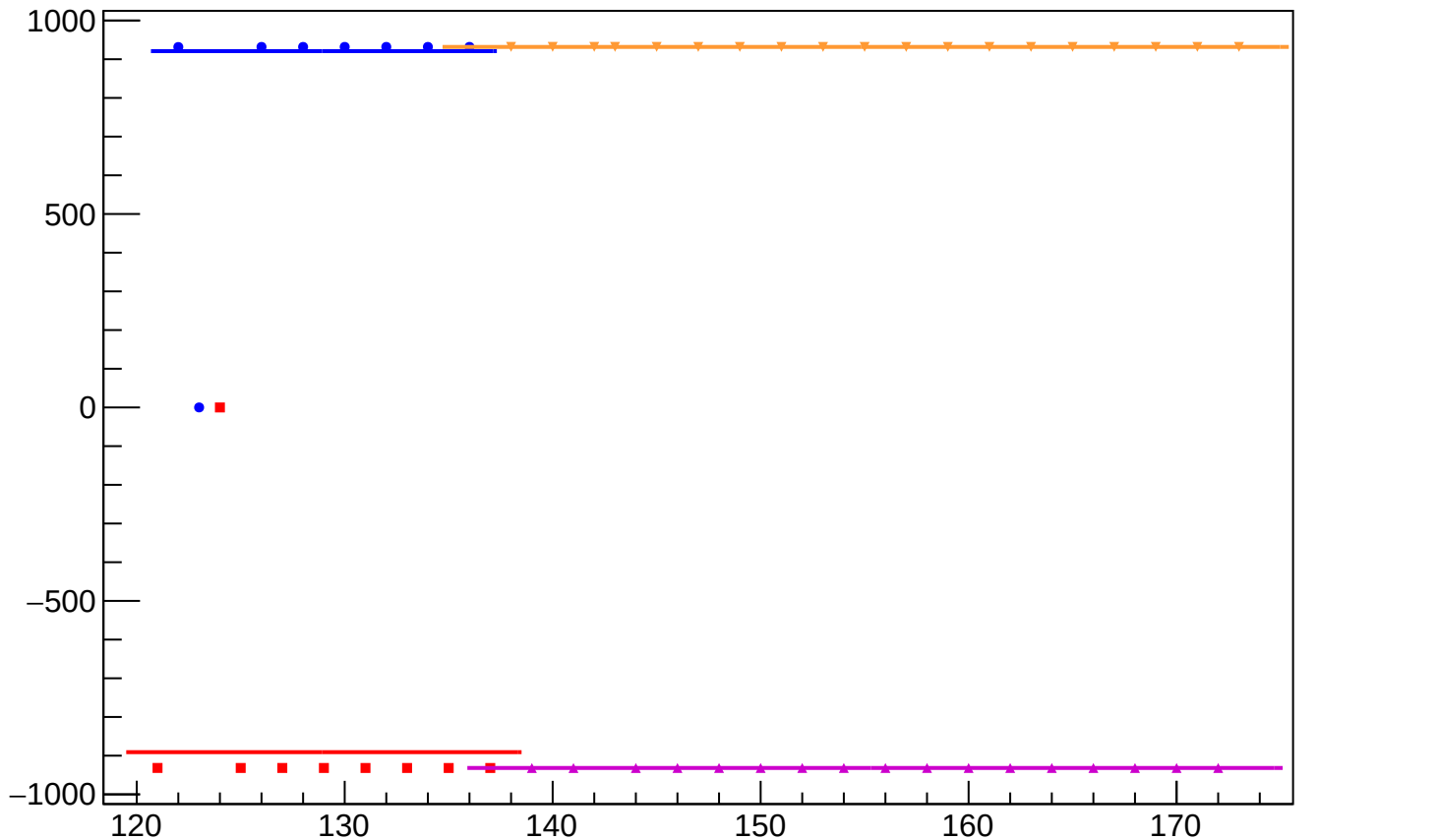
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 58025364031769994

In: -0.006 $\pm$ 0.000 χ^2 /NDF:961874999999997725

Out: 0.006 $\pm$ 0.000 χ^2 /NDF:921622075768154379

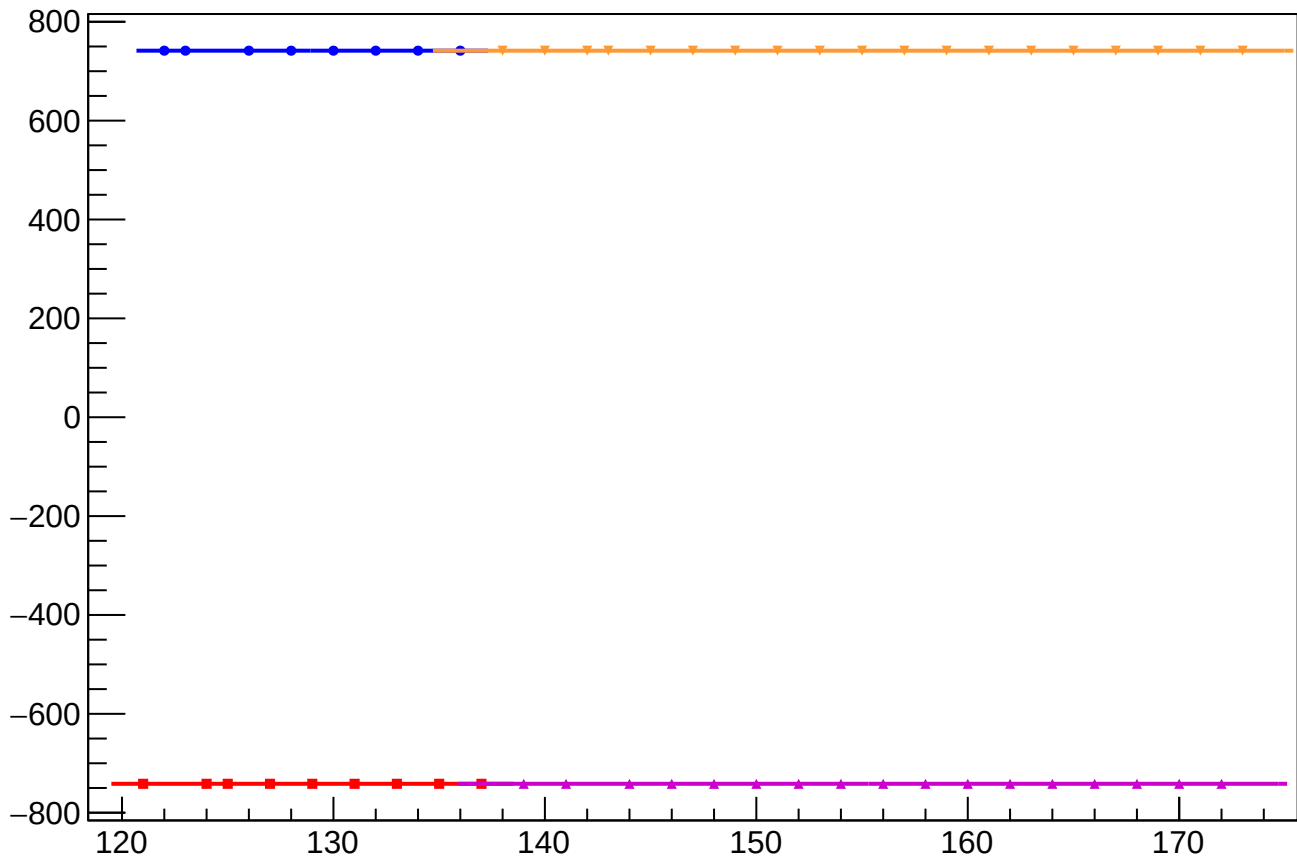
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 30721851562499

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



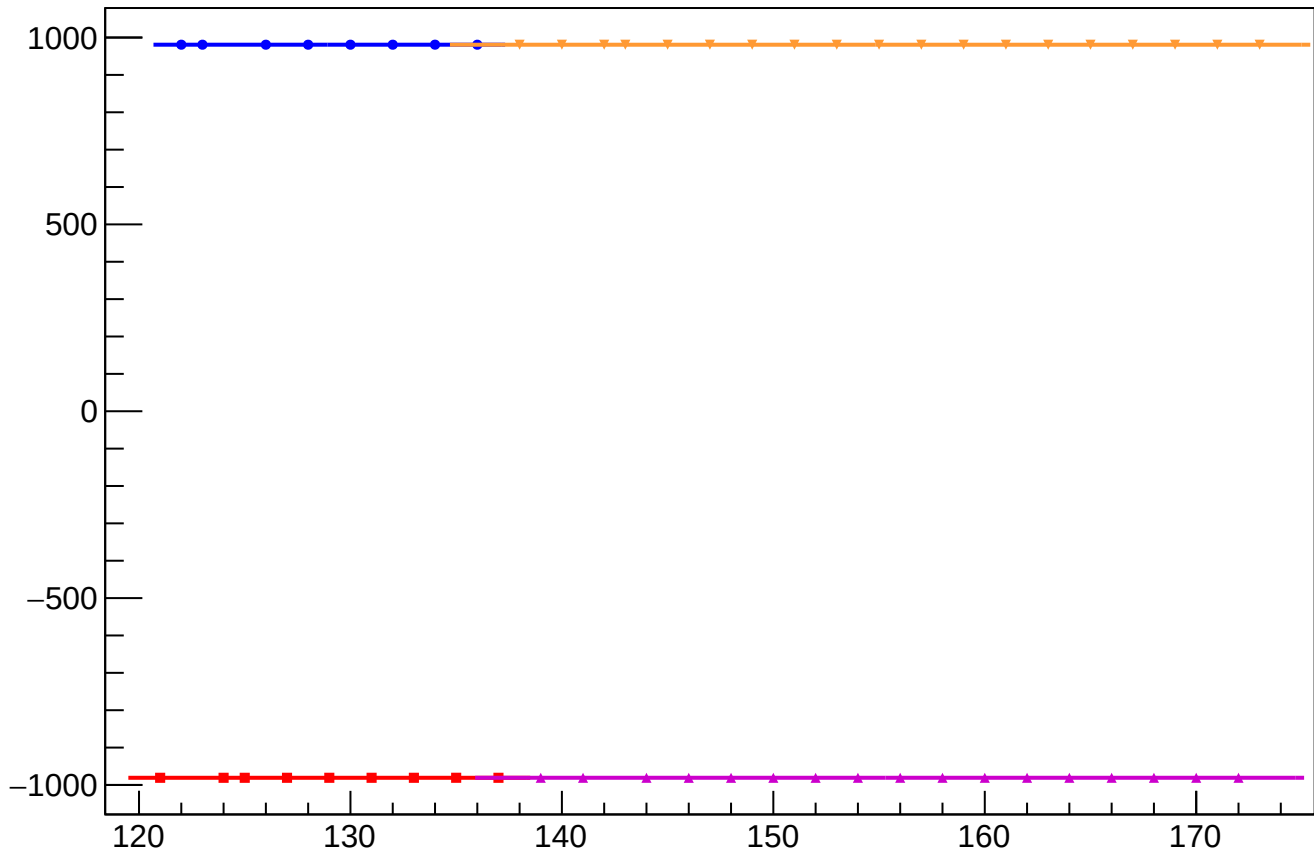
Right In: 920.898 $\pm$ 0.000 χ^2/NDF : 3432128841951899861299566212080992256.0/7
 Left Out: 931.784 $\pm$ 0.000 χ^2/NDF : 3847520396513277461724122841088.0/18
 Right Out: -890.923 $\pm$ 0.000 χ^2/NDF : 11621671430114409722932854398744788992.0/8
 Left In: -931.774 $\pm$ 0.000 χ^2/NDF : 3423635193486442519289191727104.0/16
 All: 36.209 $\pm$ 0.000 χ^2/NDF : 3018559894393

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



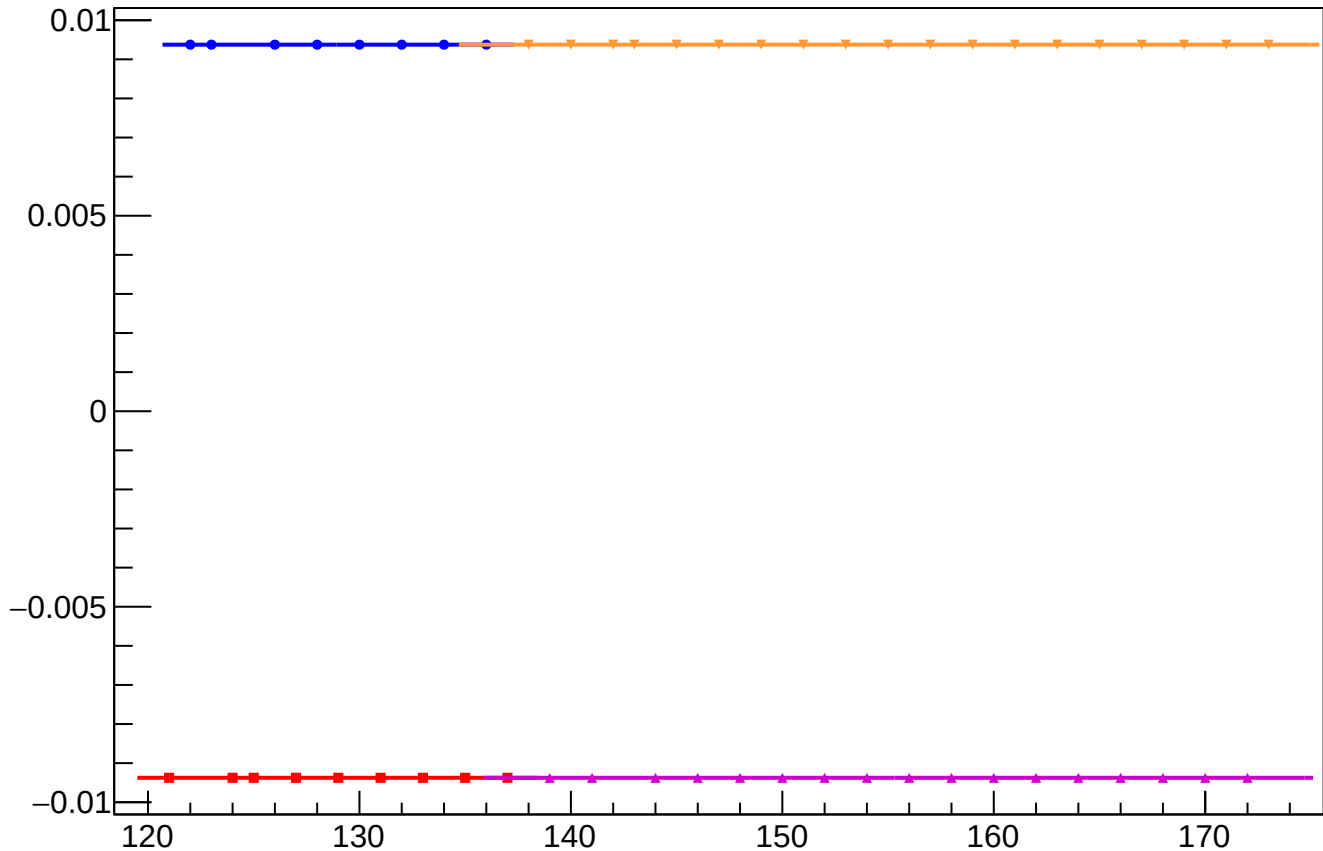
Right In: 741.528+/-0.000	χ^2/NDF : 18896144326732419810052800512.0/7	Left: 26.902+/-0.000	χ^2/NDF : 15589450772871735
Left Out: 741.513+/-0.000	χ^2/NDF : 195220028178802004492420120576.0/18	Right: 25.802+/-0.000	χ^2/NDF : 3630199450079866
Right Out: -741.529+/-0.000	χ^2/NDF : 16580353917842624420385914880.0/8	In: -444.905+/-0.000	χ^2/NDF : 6017584993531710
Left In: -741.513+/-0.000	χ^2/NDF : 163634028006503113282012839936.0/16	Out: 477.217+/-0.000	χ^2/NDF : 5765762901487368
		All: 26.694+/-0.000	χ^2/NDF : 1921965671768

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 35.579 +/- 0.000 χ^2/NDF : 27272779232955962
 Right: 34.132 +/- 0.000 χ^2/NDF : 6351195317188543
 In: -588.456 +/- 0.000 χ^2/NDF : 1052779872513273
 Out: 631.189 +/- 0.000 χ^2/NDF : 1008706928793790
 All: 35.305 +/- 0.000 χ^2/NDF : 3362398577110

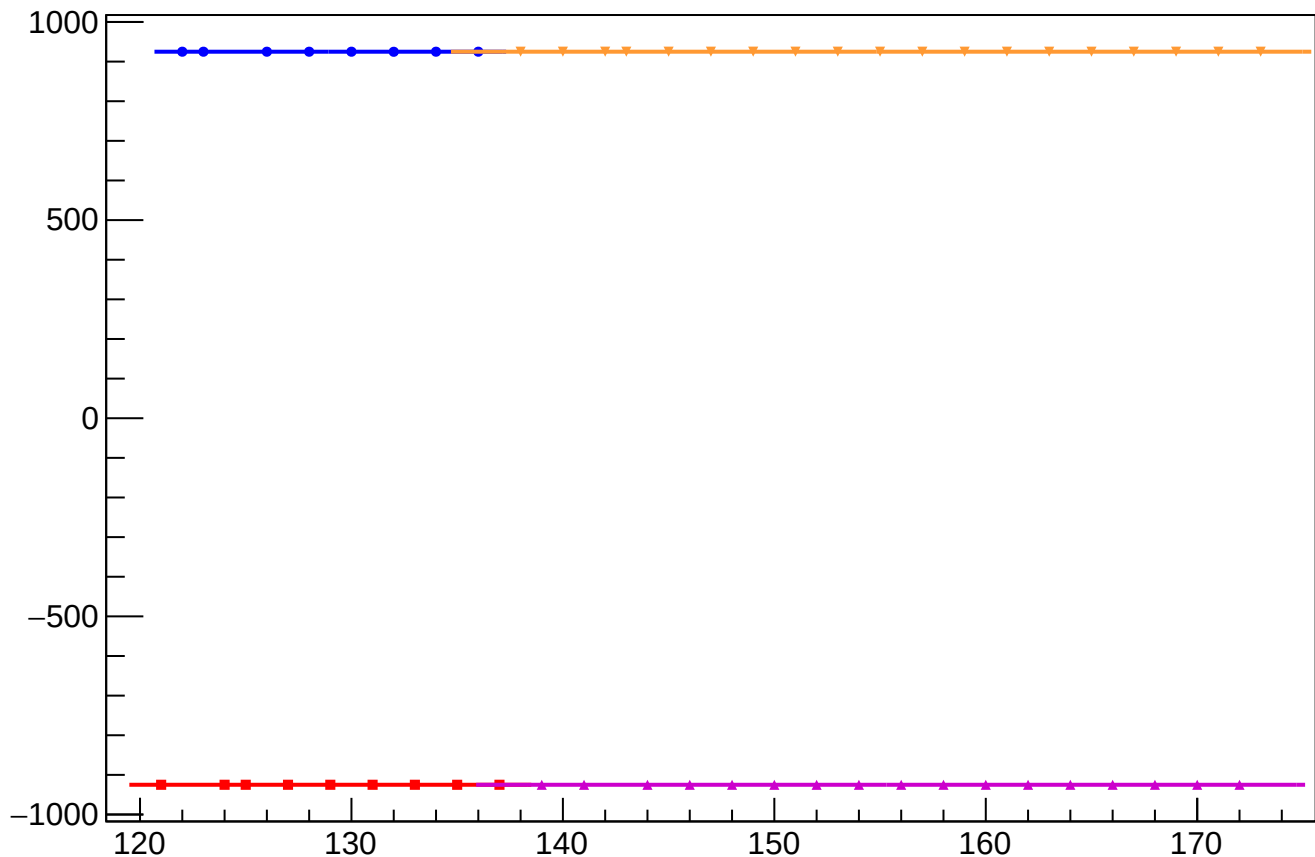
MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7
Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/18
Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8
Left In: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.1/16

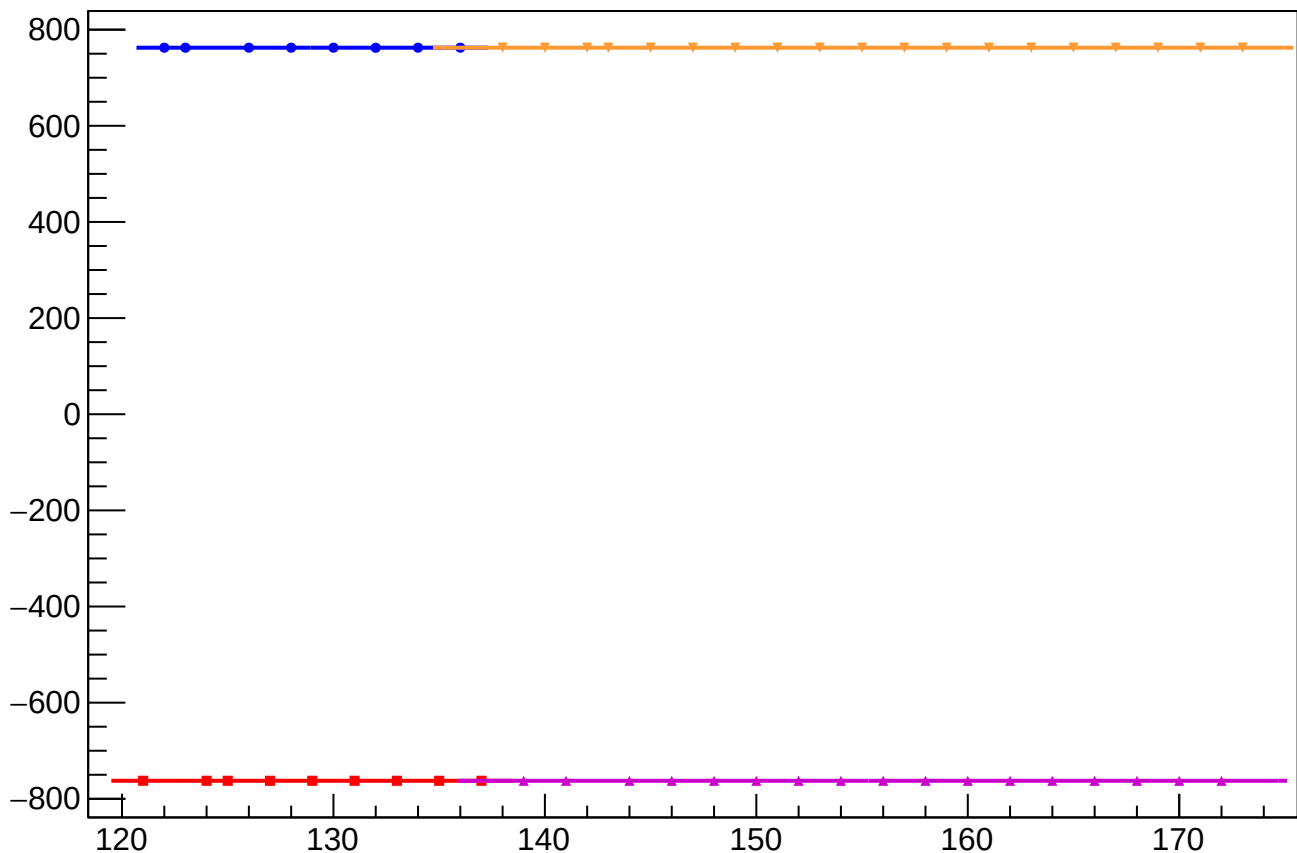
Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 249193047728072567
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 58025364031769994
In: -0.006 $\pm$ 0.000 χ^2 /NDF: 961874999999997725
Out: 0.006 $\pm$ 0.000 χ^2 /NDF: 921622075768154379
All: 0.000 $\pm$ 0.000 χ^2 /NDF: 30721851562499

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



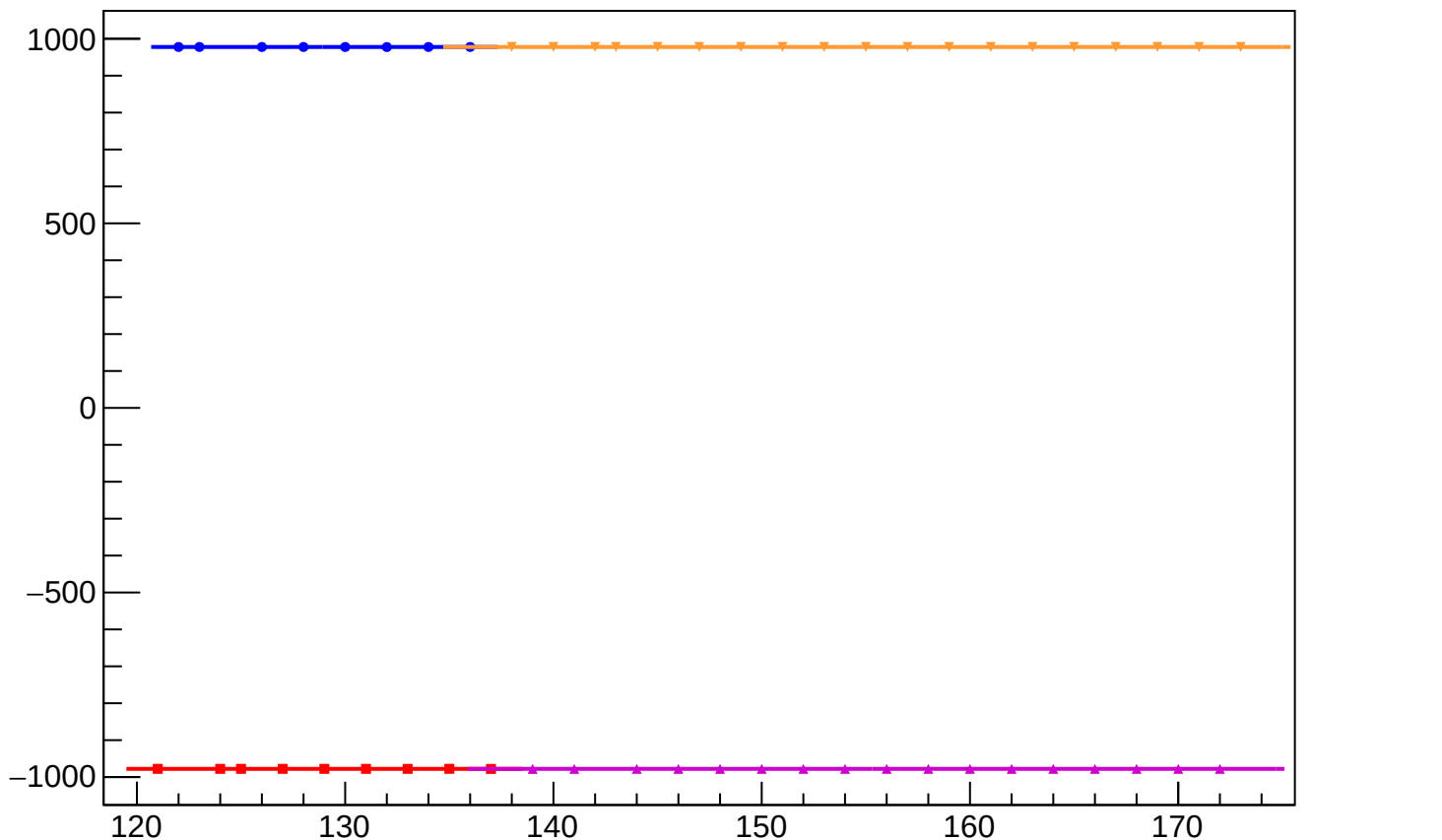
Right In: 924.939+/-0.000	χ^2/NDF : 1401458495809517406218388242432.0/7	Left: 33.558+/-0.000	χ^2/NDF : 24258445372468018
Left Out: 924.984+/-0.000	χ^2/NDF : 817812468750365156425284452352.0/18	Right: 32.175+/-0.000	χ^2/NDF : 5648201825061875
Right Out: -924.957+/-0.000	χ^2/NDF : 71808709366506786060310151168.0/8	In: -555.001+/-0.000	χ^2/NDF : 9363210227802130
Left In: -924.987+/-0.000	χ^2/NDF : 683005645995606135537664000000.0/16	Out: 595.302+/-0.000	χ^2/NDF : 8971521628722640
		All: 33.297+/-0.000	χ^2/NDF : 2990665743933

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



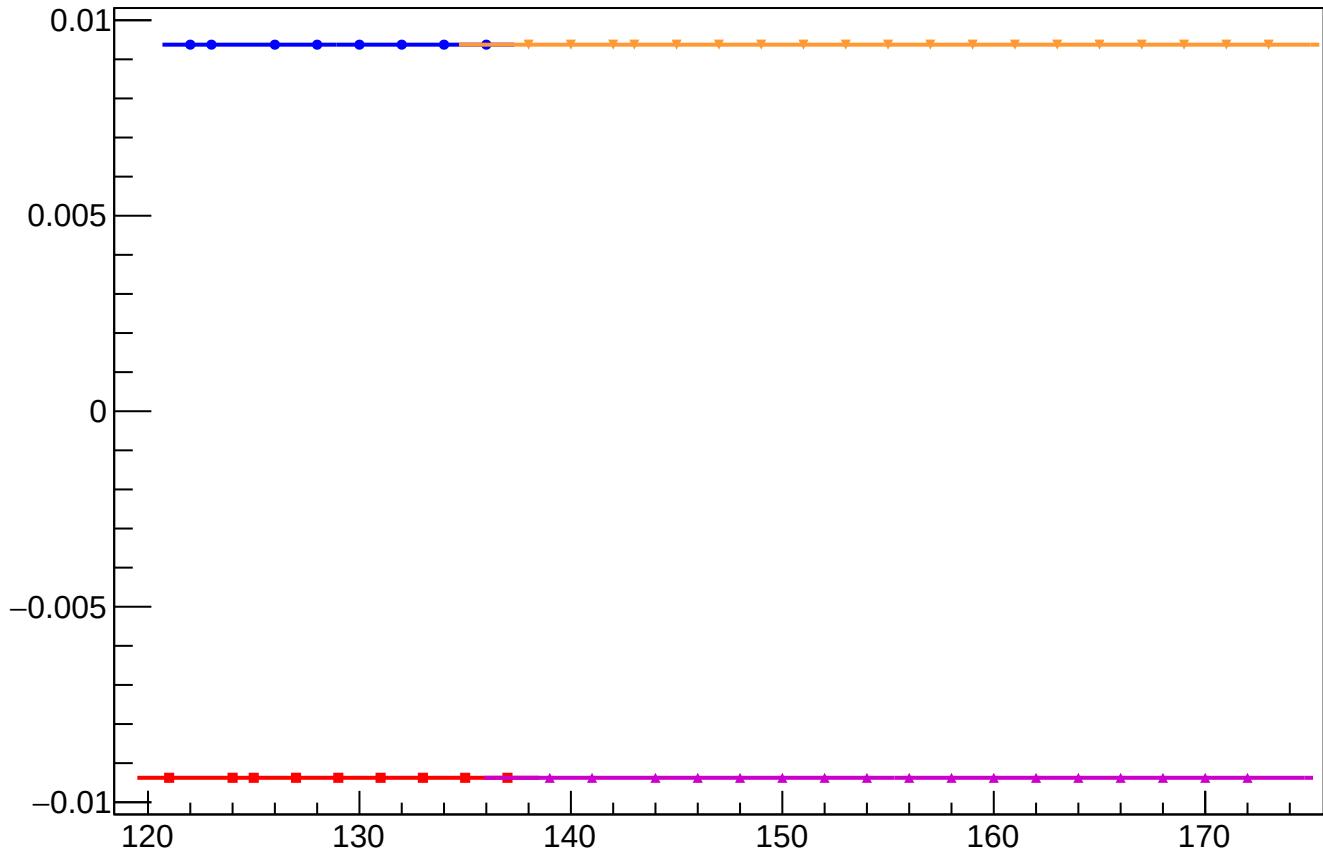
Right In: 762.484+/-0.000	χ^2/NDF : 784430761251084401798891438080.0/7	Left: 27.664+/-0.000	χ^2/NDF : 16484977521700857
Left Out: 762.513+/-0.000	χ^2/NDF : 548932680716171093293781745664.0/18	Right: 26.523+/-0.000	χ^2/NDF : 3838365691051738
Right Out: -762.501+/-0.000	χ^2/NDF : 469794702848036819563446272.0/8	In: -457.514+/-0.000	χ^2/NDF : 6362884847915806
Left In: -762.513+/-0.000	χ^2/NDF : 448718493842171913033146695680.0/16	Out: 490.737+/-0.000	χ^2/NDF : 6096749554403919
		All: 27.449+/-0.000	χ^2/NDF : 2032335020037

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000	χ^2/NDF : 1738104571804792841781326643200.0/7	Left: 35.474+/-0.000	χ^2/NDF : 27104270026318839
Left Out: 977.739+/-0.000	χ^2/NDF : 1116021609692302556631853432832.0/18	Right: 34.023+/-0.000	χ^2/NDF : 6311333196839596
Right Out: -977.737+/-0.000	χ^2/NDF : 772313054358211830610902646784.0/8	In: -586.641+/-0.000	χ^2/NDF : 1046216074581997
Left In: -977.736+/-0.000	χ^2/NDF : 938770340651615120067913580544.0/16	Out: 629.249+/-0.000	χ^2/NDF : 1002432517358565
	All: 35.200+/-0.000		χ^2/NDF : 3341561451120

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.1/18

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: -0.009 $\pm$ 0.000 χ^2 /NDF:0.1/16

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 249193047728072567

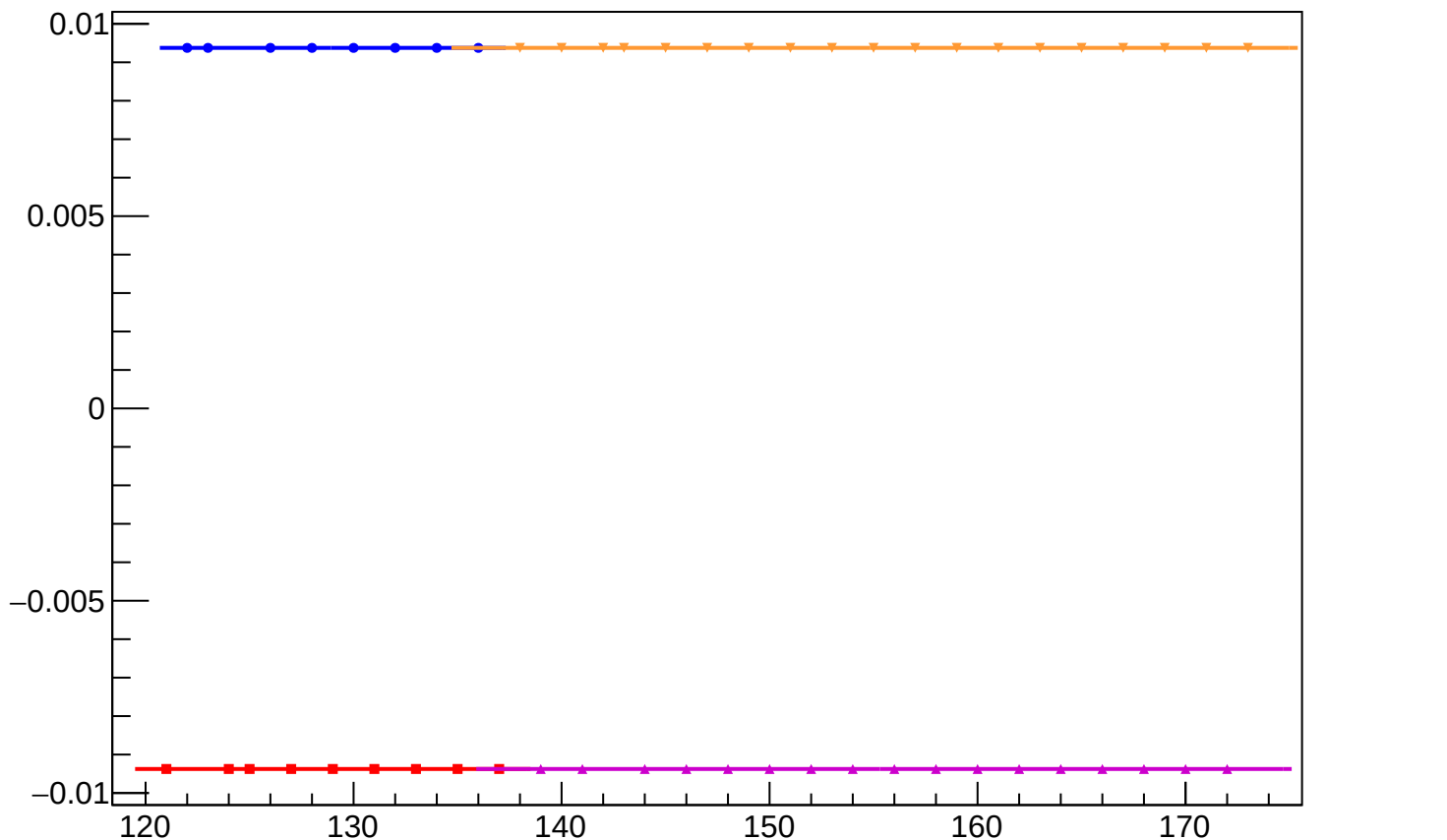
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 58025364031769994

In: -0.006 $\pm$ 0.000 χ^2 /NDF:961874999999997725

Out: 0.006 $\pm$ 0.000 χ^2 /NDF:921622075768154379

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 30721851562499

MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/18

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.1/16

Left: 0.000+/-0.000 χ^2/NDF : 249193047728072567

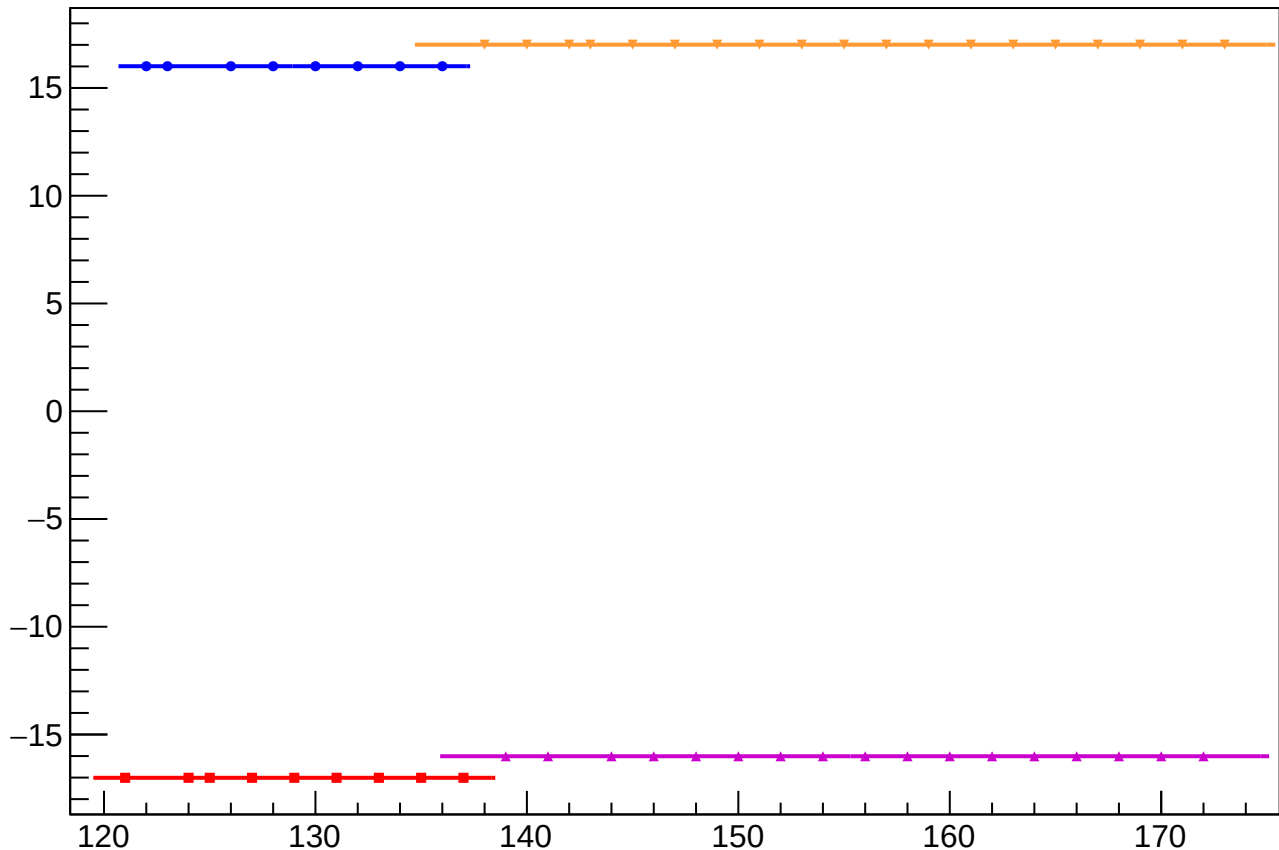
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.006+/-0.000 χ^2/NDF : 961874999999997725

Out: 0.006+/-0.000 χ^2/NDF : 921622075768154379

All: 0.000+/-0.000 χ^2/NDF : 30721851562499

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009 $\pm$ 0.000 χ^2/NDF : 30506.8/7

Left Out: 17.009 $\pm$ 0.000 χ^2/NDF : 21945445203620096039190528.0/18

Right Out: -17.009 $\pm$ 0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: -16.009 $\pm$ 0.000 χ^2/NDF : 126061921088128723976192.0/16

Left: 1.048 $\pm$ 0.000 χ^2/NDF : 71304008357385895

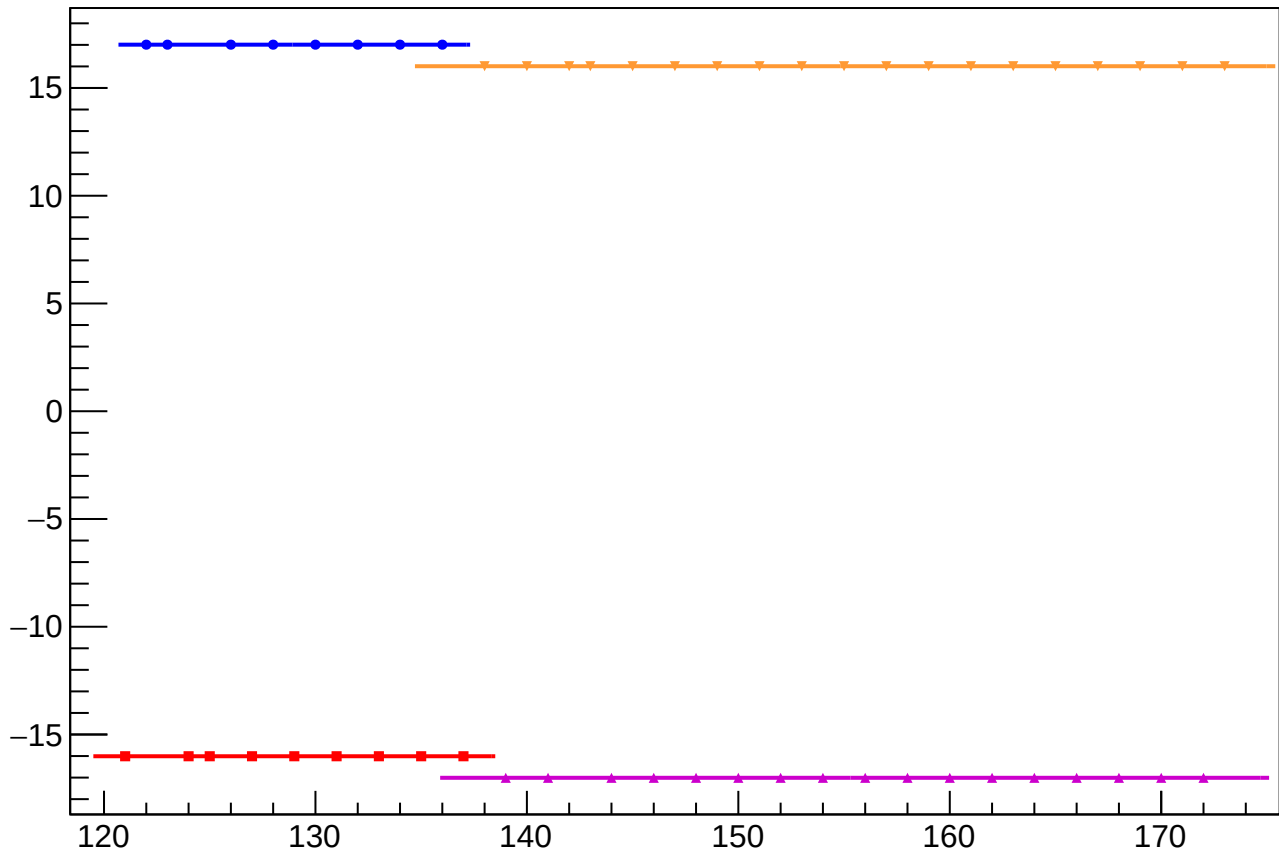
Right: -0.126 $\pm$ 0.000 χ^2/NDF : 1683539334964133

In: -9.614 $\pm$ 0.000 χ^2/NDF : 259252521243905708

Out: 10.802 $\pm$ 0.000 χ^2/NDF : 28571750900197322

All: 0.824 $\pm$ 0.000 χ^2/NDF : 88208351842684

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009+/-0.000 χ^2/NDF : 55371.7/18

Right Out: -16.009+/-0.000 χ^2/NDF : 17859.8/8

Left In: -17.009+/-0.000 χ^2/NDF : 113286352833222811844608.0/16

Left: 0.161+/-0.000 χ^2/NDF : 760853337655612749

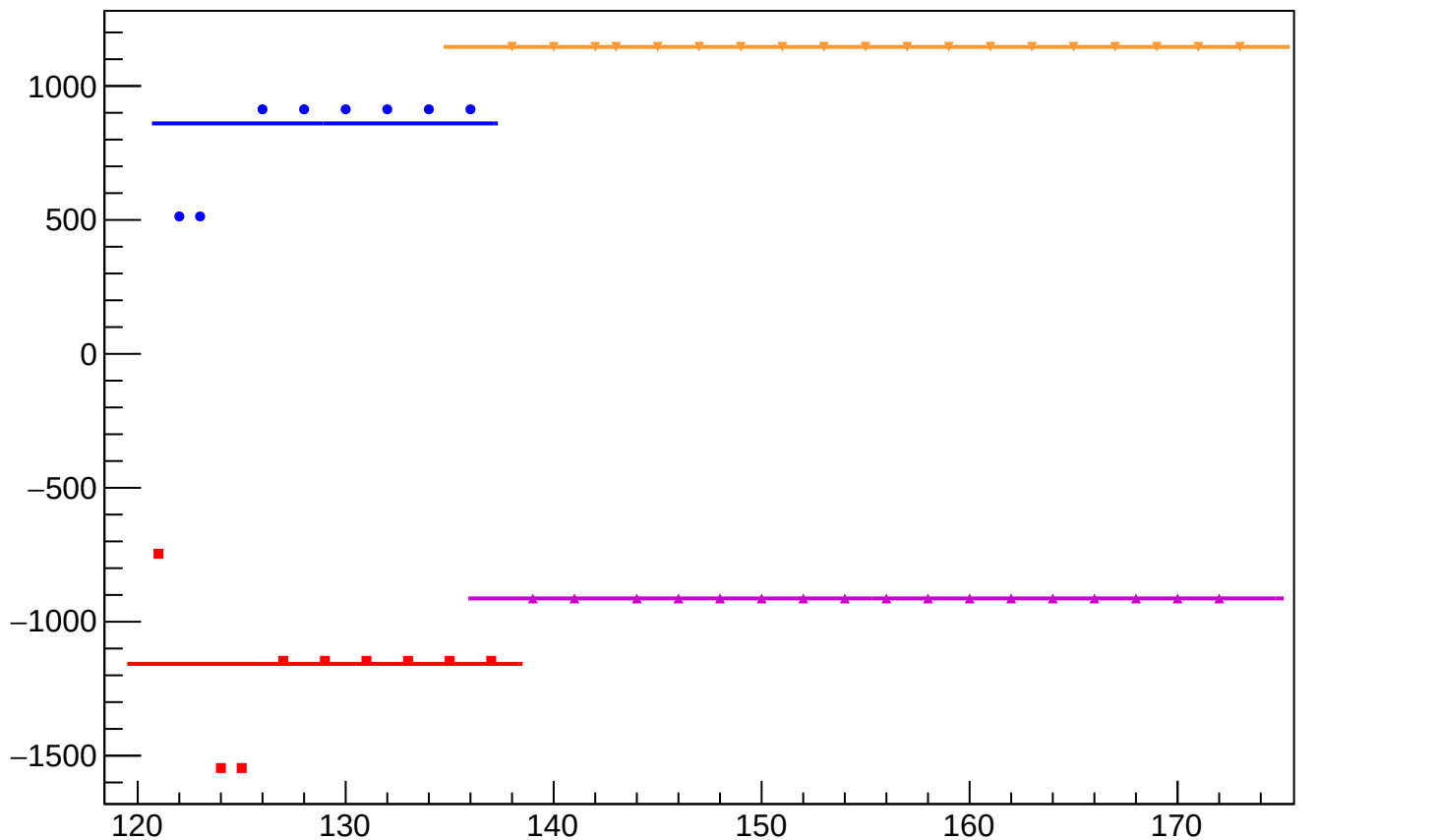
Right: 1.074+/-0.000 χ^2/NDF : 17994367493156690

In: -10.101+/-0.000 χ^2/NDF : 31540834426344758

Out: 10.249+/-0.000 χ^2/NDF : 26819773167728641

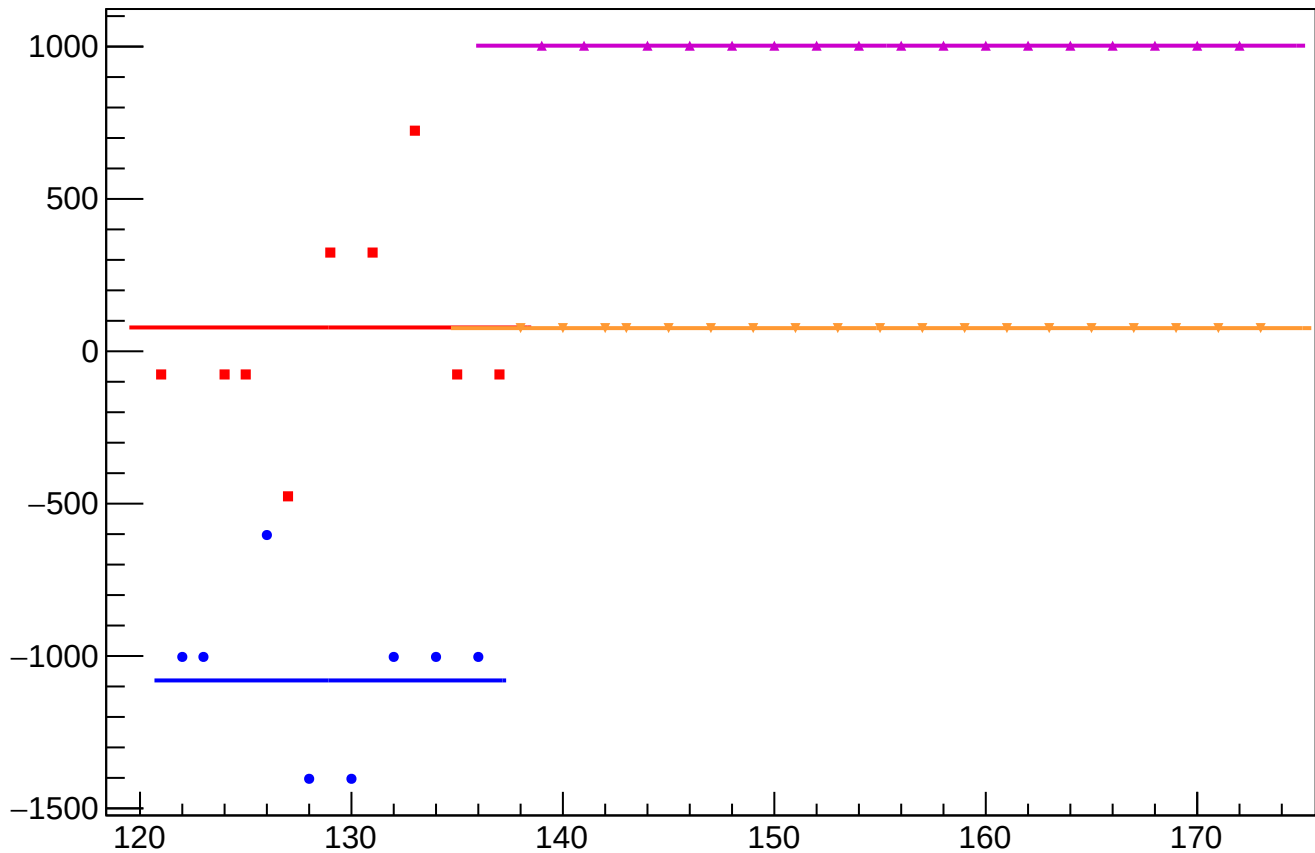
All: 0.336+/-0.000 χ^2/NDF : 94124278137820

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Right In: 860.361+/-0.000 χ^2/NDF : 6252693455178703850651720460594577408.0/7
 Left Out: 1146.011+/-0.000 χ^2/NDF : 4446330951338297299870679040.0/18
 Right Out: -1157.295+/-0.000 χ^2/NDF : 13880040120623316310083946144856014848.0/8
 Left In: -912.995+/-0.000 χ^2/NDF : 18210664974895391732131692544.0/16
 All: 103.392+/-0.000 χ^2/NDF : 373535458078

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182+/-0.000

χ^2/NDF : 21641787691490496475350584298794123264.0/7

Left Out: 76.011+/-0.000

χ^2/NDF : 10021231491460636010419847168.0/18

Right Out: 78.224+/-0.000

χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: 1002.990+/-0.000

χ^2/NDF : 2042253189291631827797147648.0/16

Left: 522.685+/-0.000 χ^2/NDF : 6090776265946917

Right: -521.133+/-0.000 χ^2/NDF : 28273431193063

In: 586.355+/-0.000 χ^2/NDF : 12089573786907575

Out: 76.406+/-0.000 χ^2/NDF : 39612549178489784

All: 325.553+/-0.000 χ^2/NDF : 147599370625