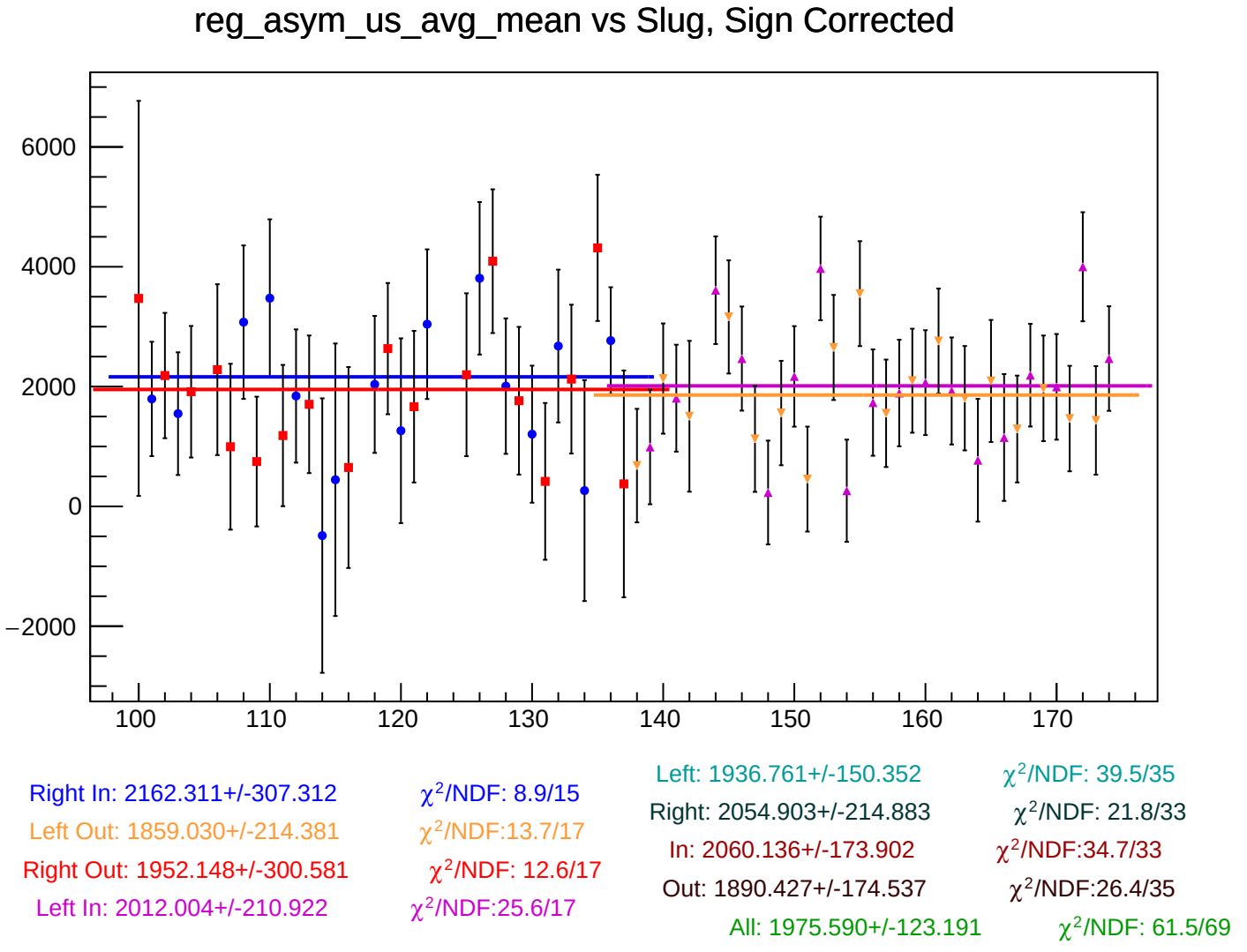
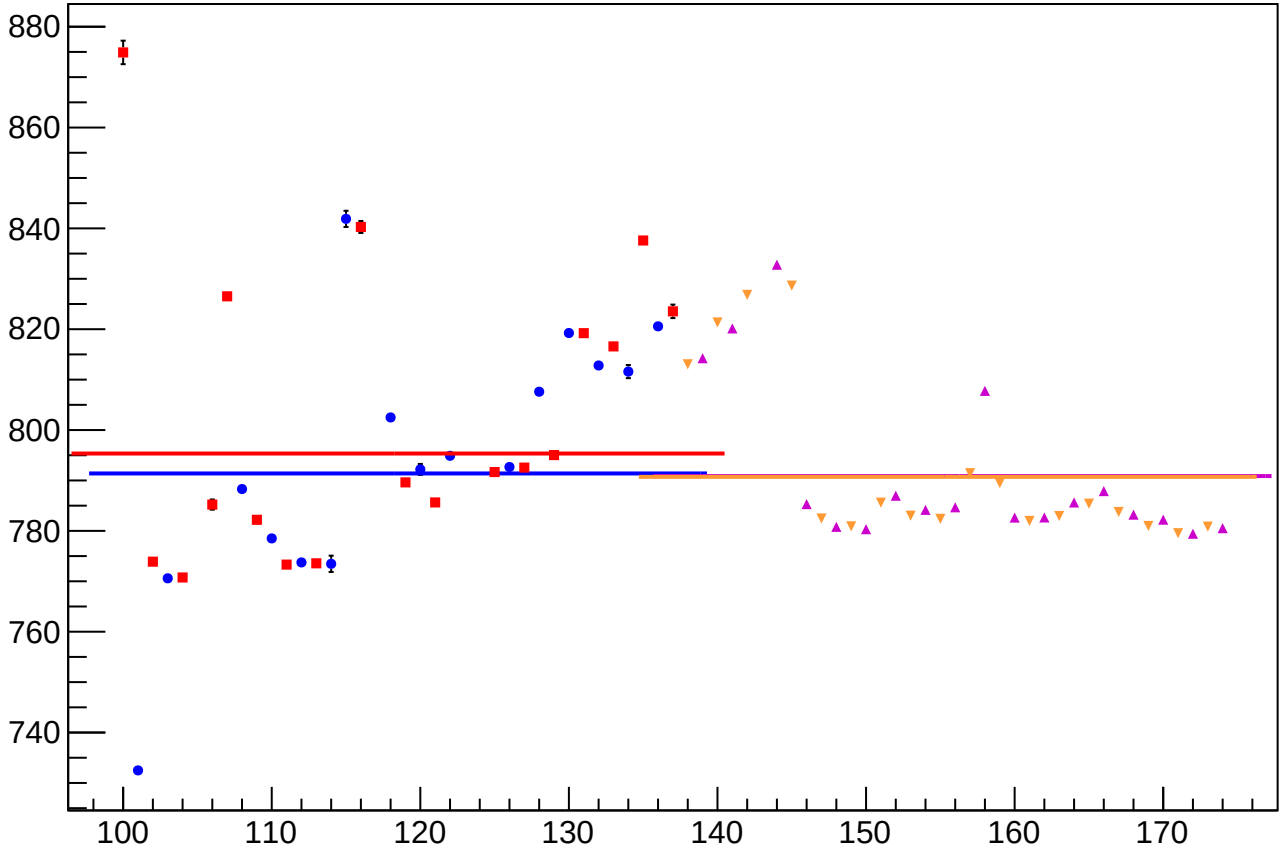

reg_asym_us_avg_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
110
120
130
140
150
160
170
Right In: 2162.311+/-307.312
χ²/NDF: 8.9/15
Left Out: 1859.030+/-214.381
χ²/NDF:13.7/17
Right Out: 1952.148+/-300.581
χ²/NDF: 12.6/17
Left In: 2012.004+/-210.922
χ²/NDF:25.6/17
Left: 1936.761+/-150.352
χ²/NDF: 39.5/35
Right: 2054.903+/-214.883
χ²/NDF: 21.8/33
In: 2060.136+/-173.902
χ²/NDF:34.7/33
Out: 1890.427+/-174.537
χ²/NDF:26.4/35
All: 1975.590+/-123.191
χ²/NDF: 61.5/69

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: 790.874+/-0.149 χ^2/NDF:10713.9/17

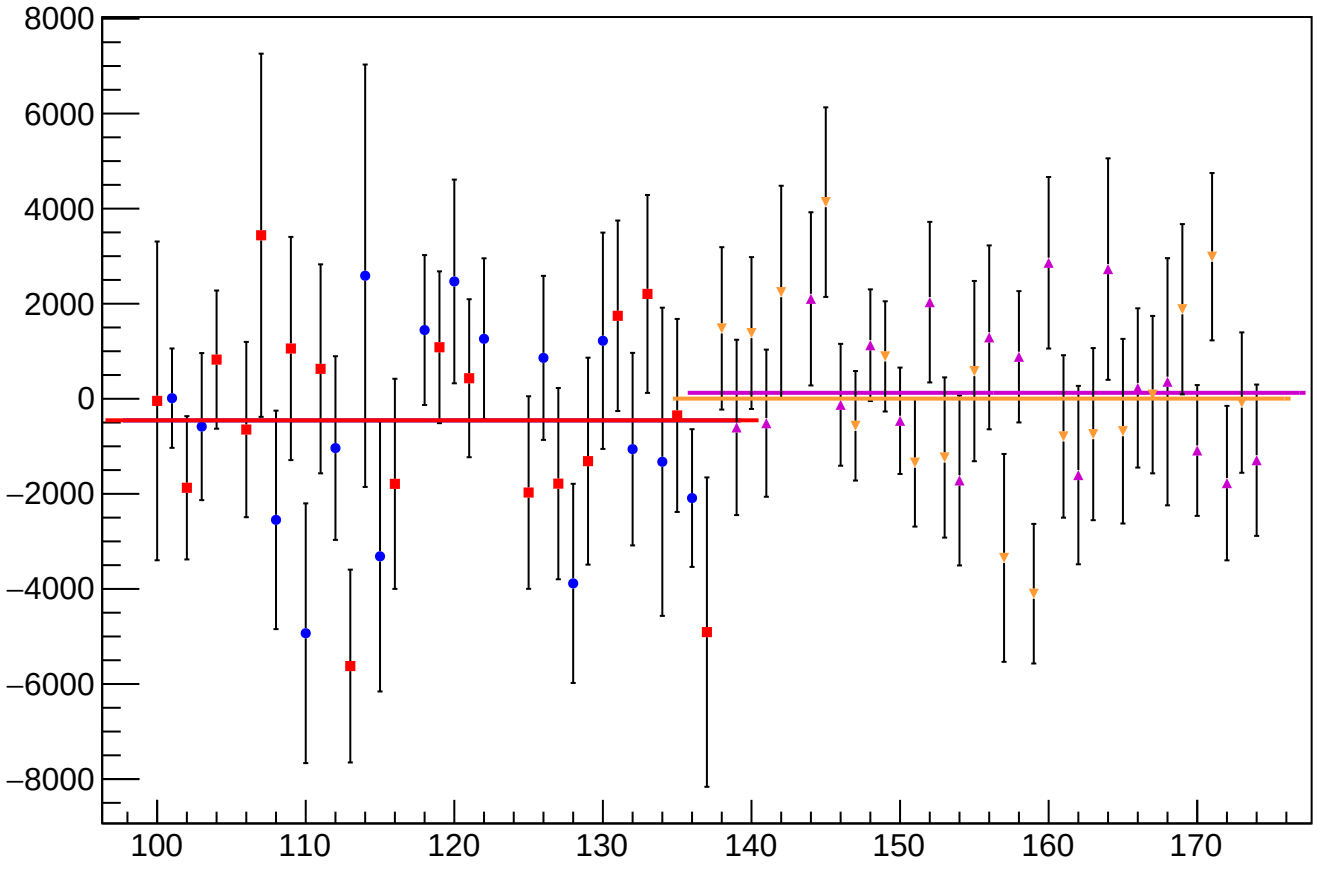
Left: 790.796+/-0.106 χ^2/NDF: 21084.6/35

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

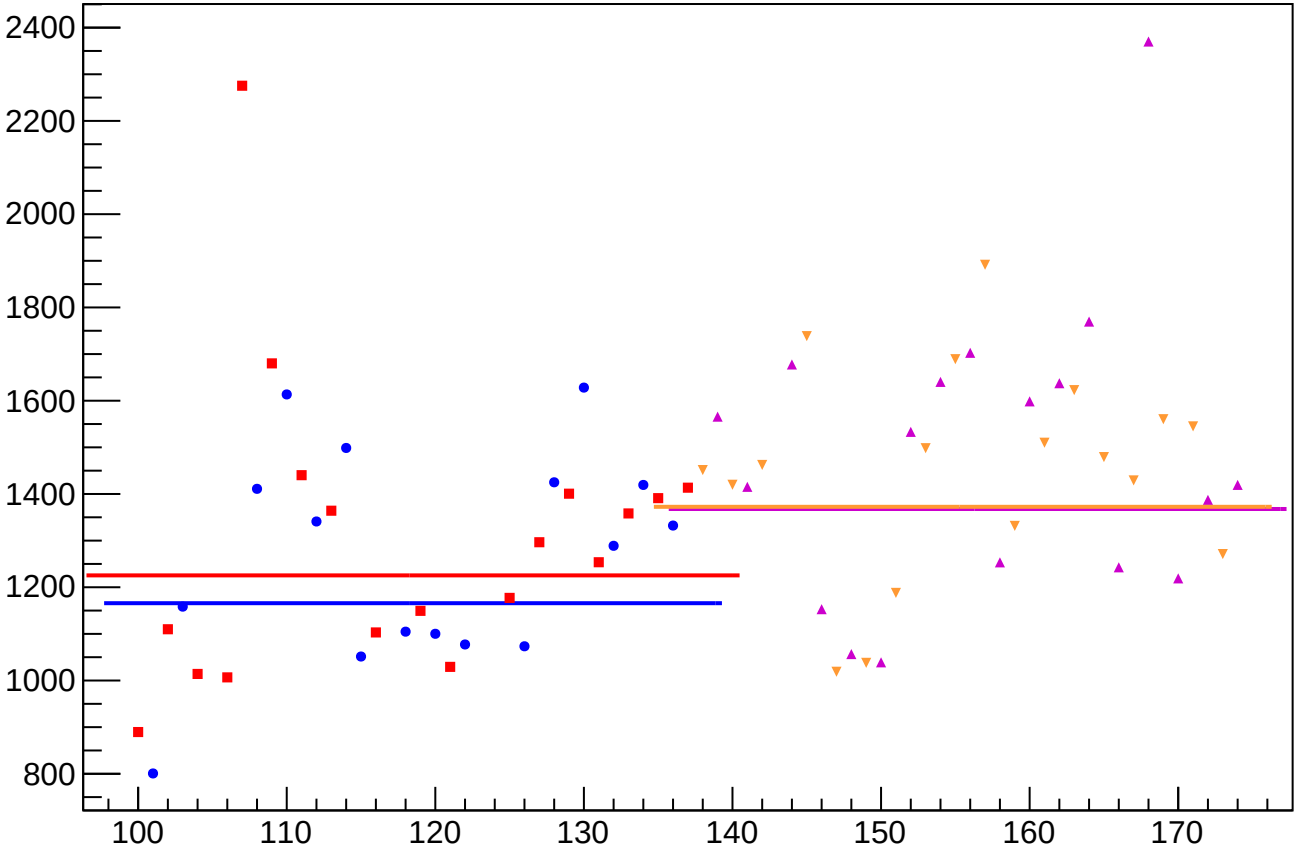
In: 791.039+/-0.123 χ^2/NDF:25726.0/33

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

All: 791.656+/-0.087 χ^2/NDF: 48020.8/69


asym_us_avg_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
110
120
130
140
150
160
170
Right In: -455.675+/-464.232 χ²/NDF: 14.9/15
Left Out: 3.375+/-380.418 χ²/NDF:23.9/17
Right Out: -452.644+/-472.760 χ²/NDF: 17.3/17
Left In: 125.404+/-373.158 χ²/NDF:12.9/17
Left: 65.565+/-266.392 χ²/NDF: 36.9/35
Right: -454.187+/-331.236 χ²/NDF: 32.2/33
In: -102.676+/-290.845 χ²/NDF:28.7/33
Out: -175.850+/-296.380 χ²/NDF:41.8/35
All: -138.573+/-207.588 χ²/NDF: 70.6/69

asym_us_avg_correction_rms vs Slug, Sign Corrected



Right In: 1165.812+/-0.328 χ^2/NDF: 526801.3/15

Left Out: 1372.509+/-0.269 χ^2/NDF:760598.8/17

Right Out: 1225.448+/-0.334 χ^2/NDF: 440420.8/17

Left In: 1367.808+/-0.264 χ^2/NDF:1059115.1/17

Left: 1370.113+/-0.188 χ^2/NDF: 1819869.6/35

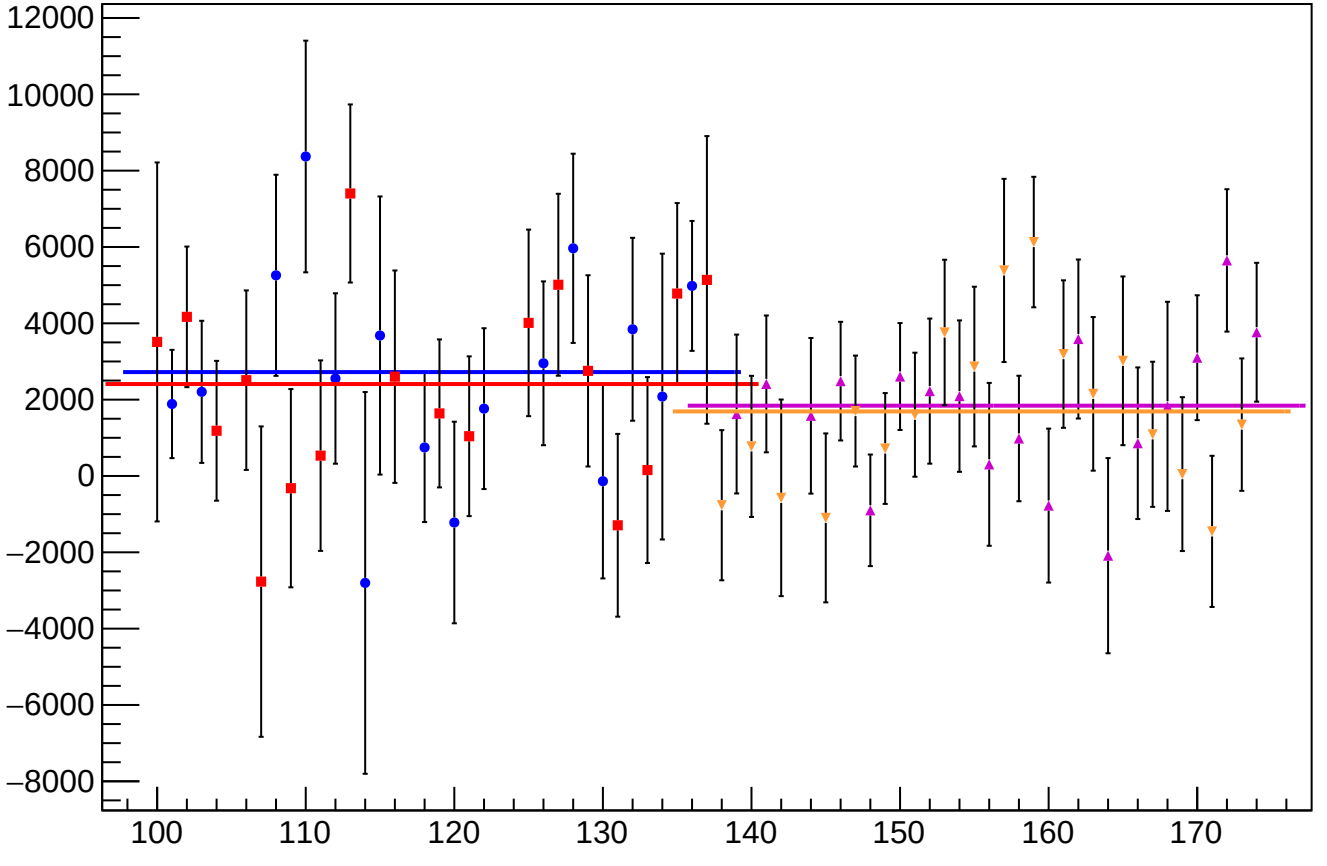
Right: 1195.087+/-0.234 χ^2/NDF: 983424.3/33

In: 1288.522+/-0.206 χ^2/NDF:1815947.0/33

Out: 1314.711+/-0.210 χ^2/NDF:1318486.7/35

All: 1301.370+/-0.147 χ^2/NDF: 3142388.8/69

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: 1841.838+/-435.445 χ^2/NDF:15.8/17

Left: 1767.629+/-310.753 χ^2/NDF: 35.5/35

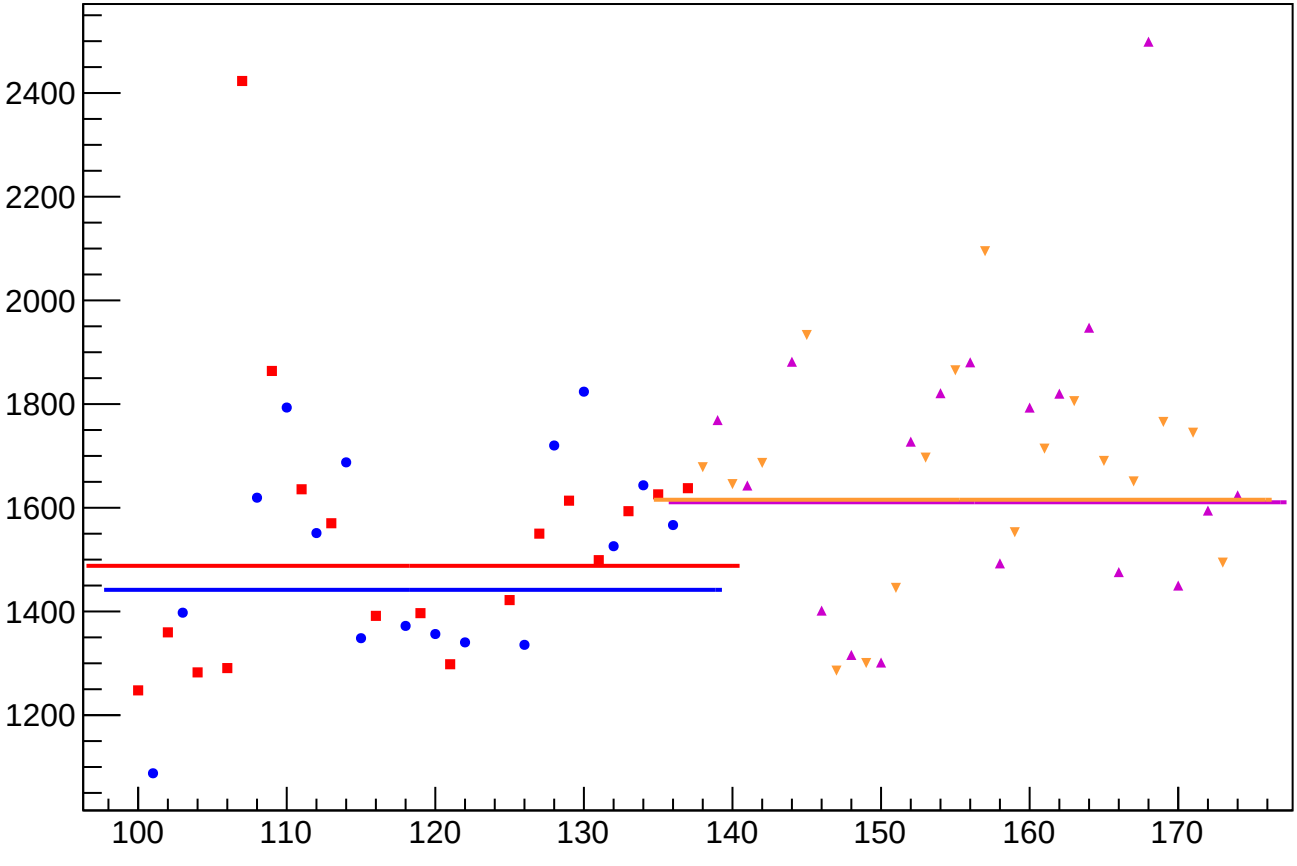
Right: 2565.881+/-401.681 χ^2/NDF: 31.0/33

In: 2168.370+/-345.387 χ^2/NDF:31.9/33

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

All: 2066.506+/-245.787 χ^2/NDF: 68.9/69

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: 1610.606+/-0.308 χ^2/NDF:645001.2/17

Left: 1612.998+/-0.220 χ^2/NDF: 1079319.2/35

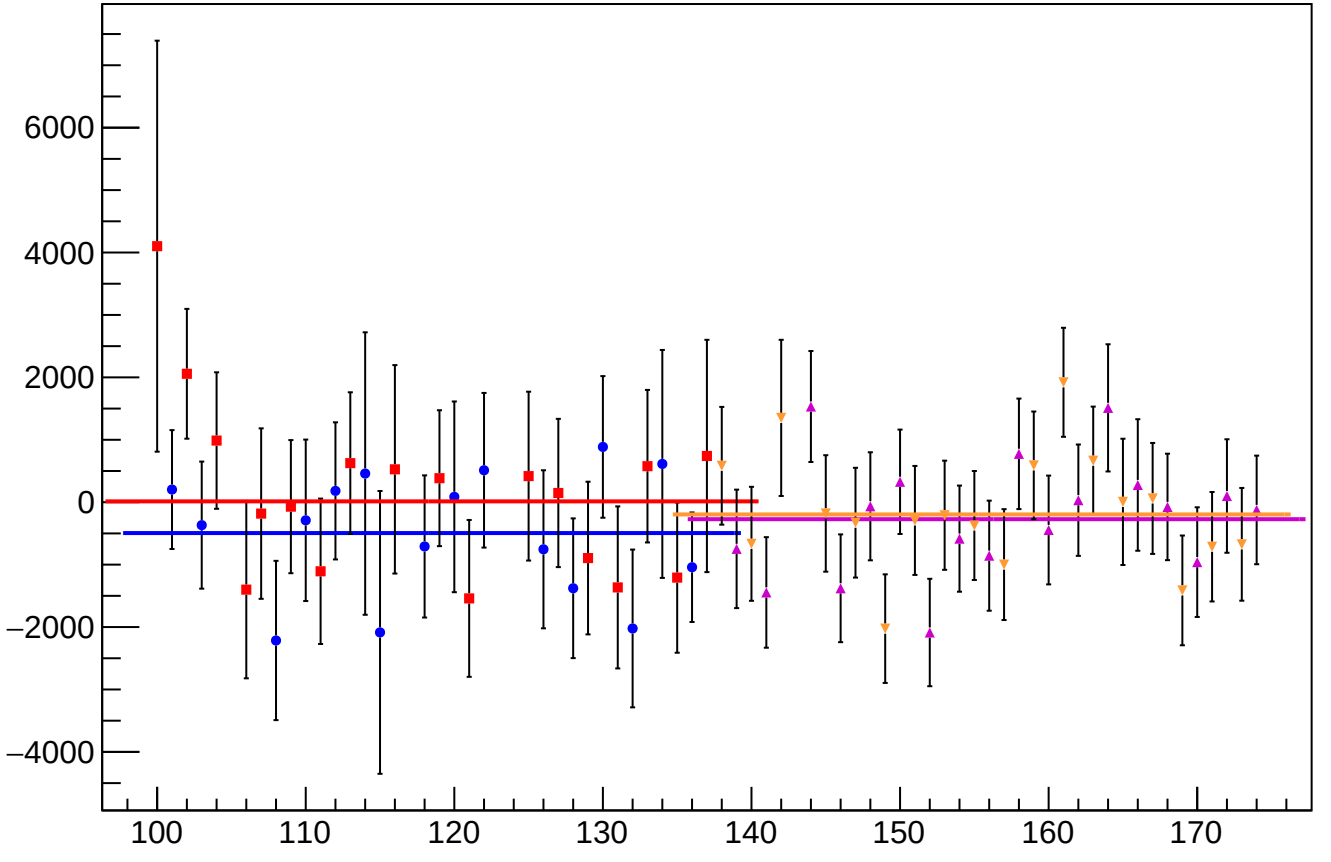
Right: 1464.799+/-0.284 χ^2/NDF: 538687.7/33

In: 1547.973+/-0.244 χ^2/NDF:1032477.1/33

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

All: 1557.510+/-0.174 χ^2/NDF: 1788319.3/69

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -494.223+/-304.644 χ^2/NDF: 8.7/15

Left Out: -195.830+/-213.307 χ^2/NDF:18.2/17

Right Out: 13.512+/-297.736 χ^2/NDF: 13.4/17

Left In: -272.129+/-209.905 χ^2/NDF:19.1/17

Left: -234.593+/-149.613 χ^2/NDF: 37.3/35

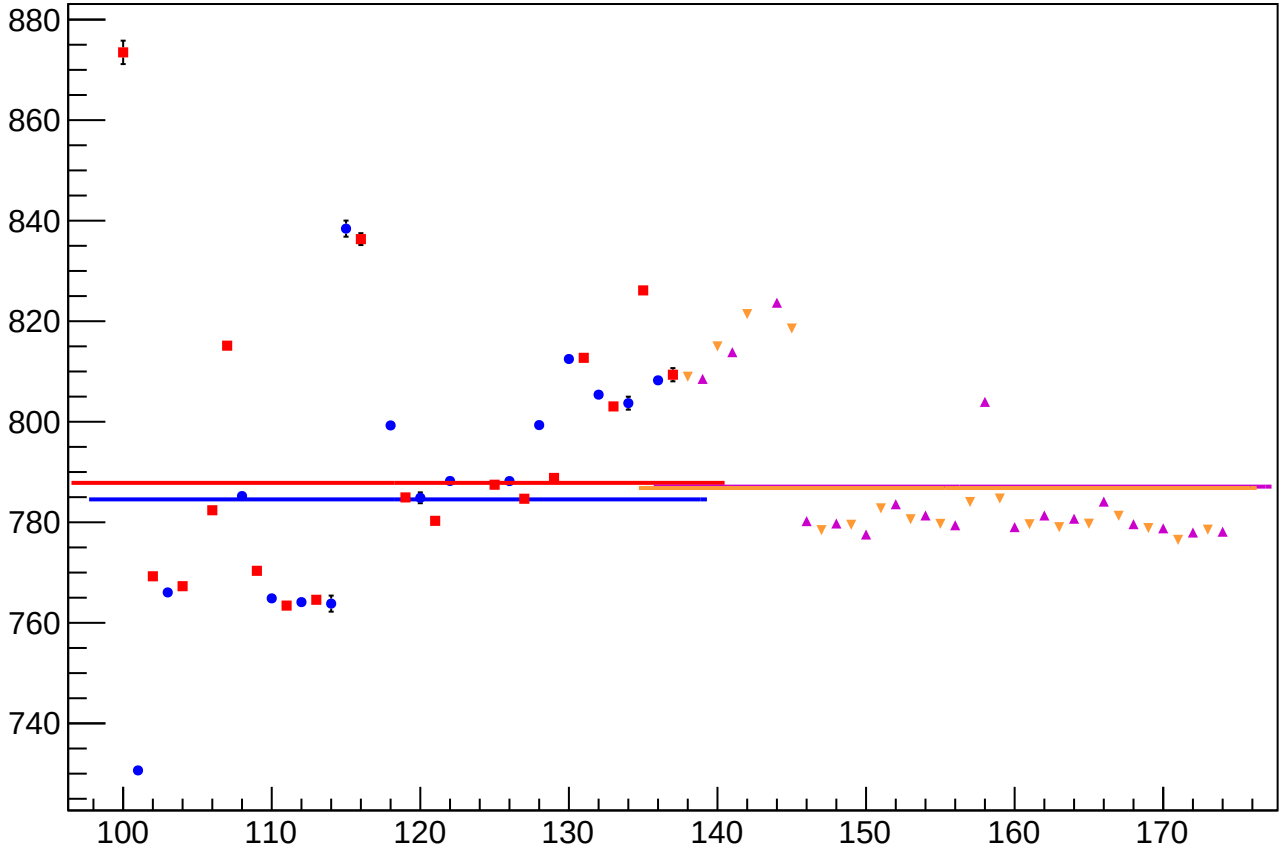
Right: -234.534+/-212.932 χ^2/NDF: 23.4/33

In: -343.625+/-172.848 χ^2/NDF:28.1/33

Out: -124.826+/-173.399 χ^2/NDF:31.8/35

All: -234.574+/-122.416 χ^2/NDF: 60.8/69

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 784.558+/-0.215 χ^2/NDF: 13677.7/15

Left Out: 786.817+/-0.151 χ^2/NDF:8562.5/17

Right Out: 787.844+/-0.211 χ^2/NDF: 10909.0/17

Left In: 787.098+/-0.148 χ^2/NDF:8857.7/17

Left: 786.959+/-0.106 χ^2/NDF: 17422.0/35

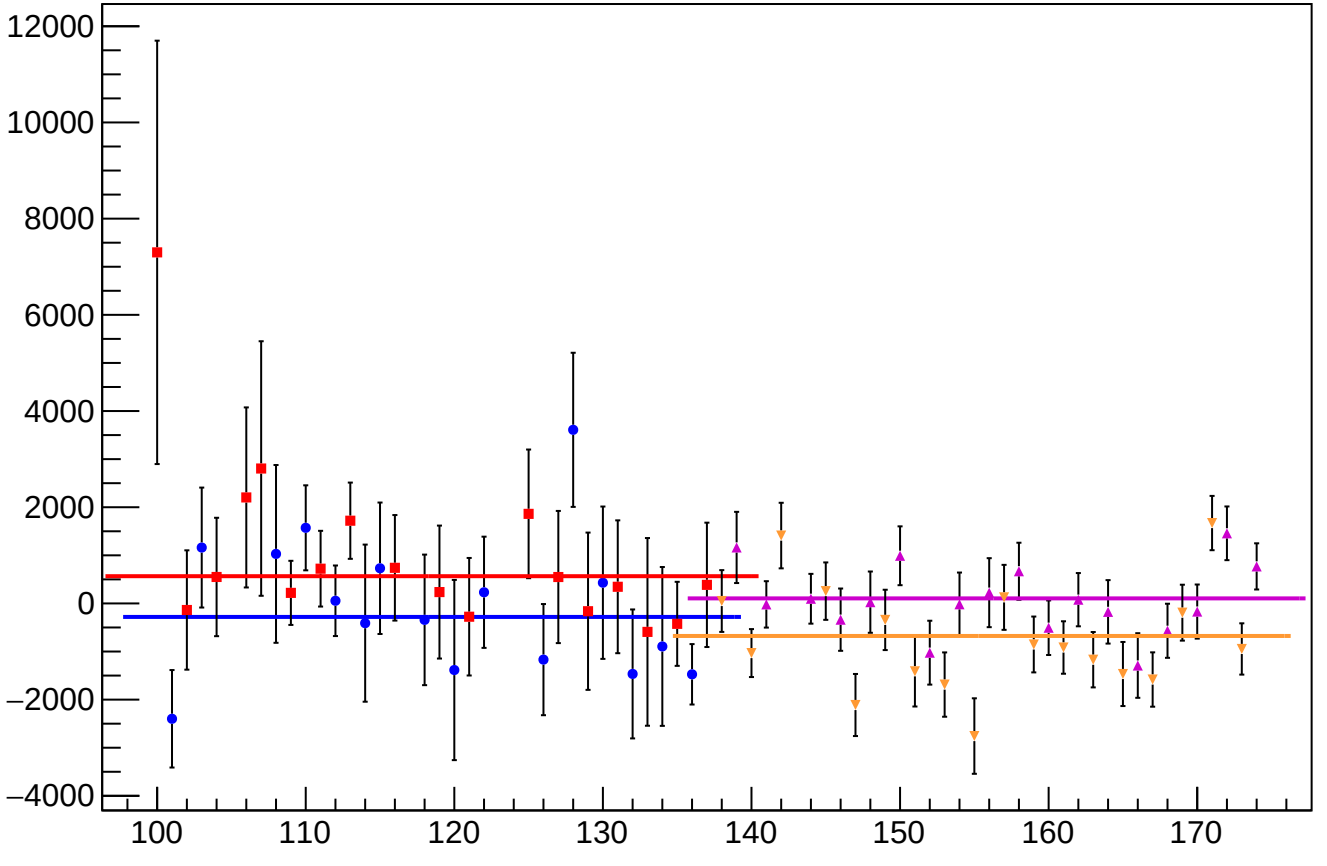
Right: 786.239+/-0.151 χ^2/NDF: 24705.7/33

In: 786.280+/-0.122 χ^2/NDF:22629.6/33

Out: 787.165+/-0.123 χ^2/NDF:19487.3/35

All: 786.721+/-0.087 χ^2/NDF: 42143.1/69

asym_us_dd_correction_mean vs Slug, Sign Corrected



Right In: -280.632+/-282.501 χ^2/NDF: 23.1/15

Left Out: -676.462+/-143.411 χ^2/NDF:53.8/17

Right Out: 566.224+/-272.883 χ^2/NDF: 9.9/17

Left In: 104.717+/-139.355 χ^2/NDF:23.7/17

Left: -274.672+/-99.942 χ^2/NDF: 92.8/35

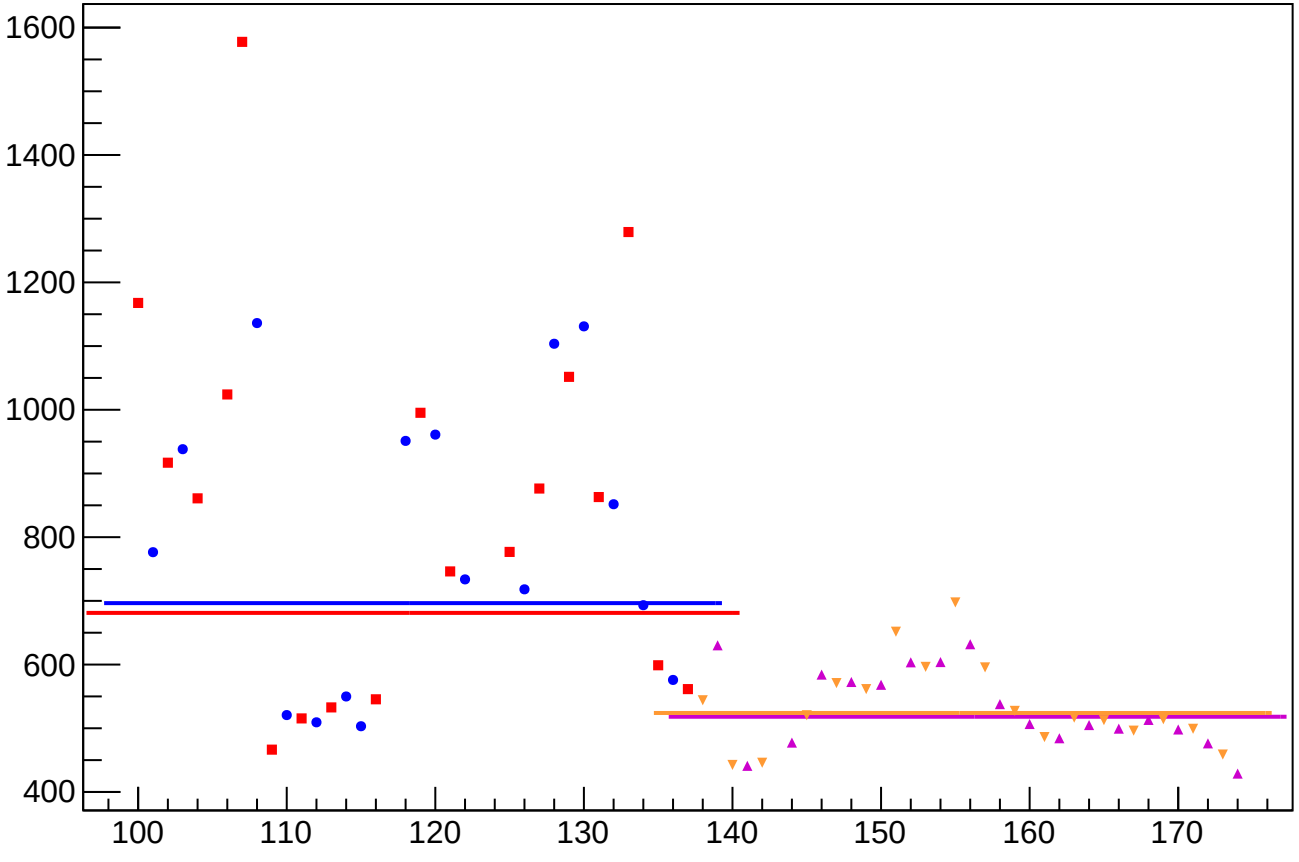
Right: 157.456+/-196.270 χ^2/NDF: 37.7/33

In: 29.299+/-124.977 χ^2/NDF:48.3/33

Out: -407.523+/-126.947 χ^2/NDF:80.0/35

All: -185.696+/-89.060 χ^2/NDF: 134.3/69

asym_us_dd_correction_rms vs Slug, Sign Corrected



Right In: 696.462+/-0.200 χ^2/NDF: 959490.0/15

Left Out: 524.013+/-0.101 χ^2/NDF:353838.4/17

Right Out: 681.127+/-0.193 χ^2/NDF: 1352555.6/17

Left In: 518.099+/-0.099 χ^2/NDF:371484.3/17

Left: 520.971+/-0.071 χ^2/NDF: 727072.3/35

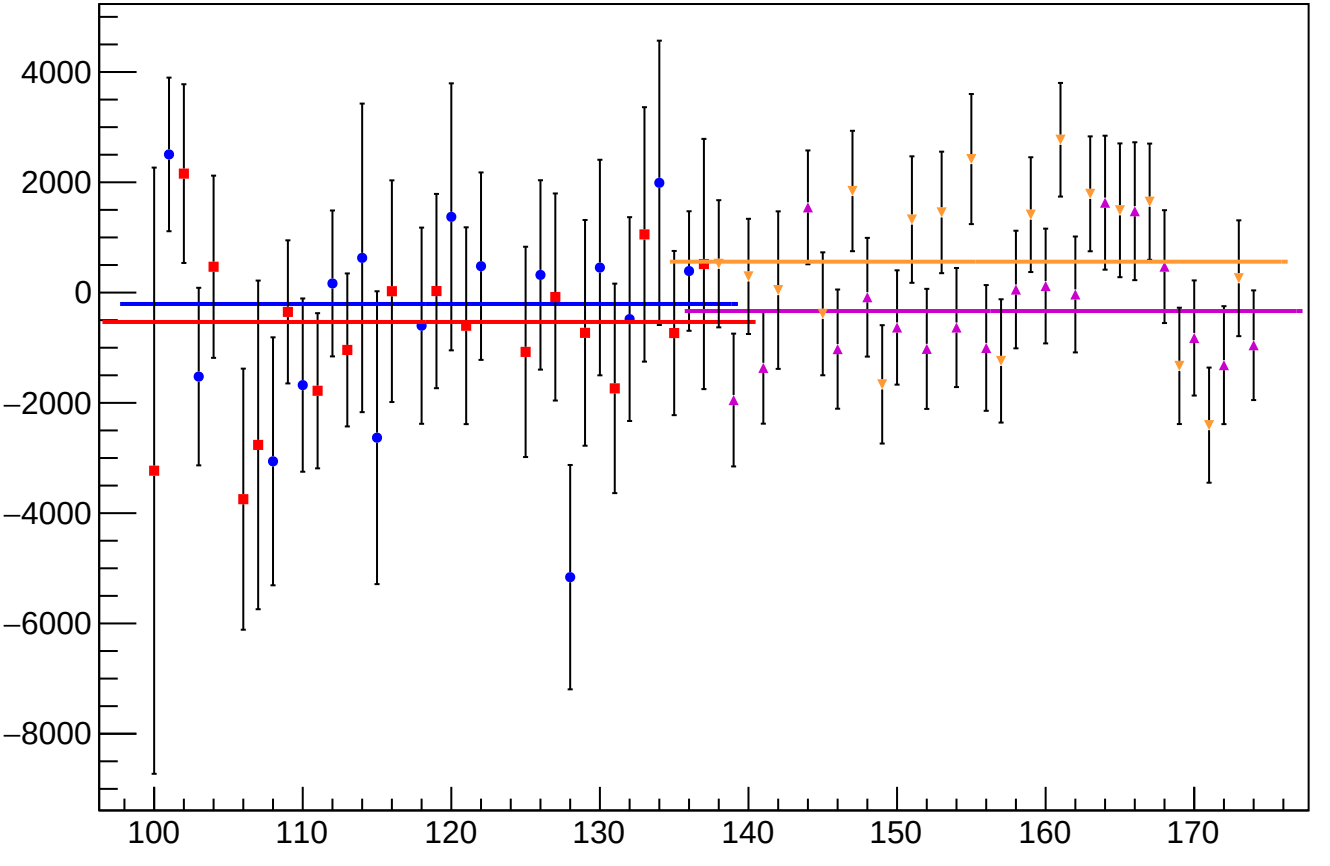
Right: 688.529+/-0.139 χ^2/NDF: 2315094.2/33

In: 553.007+/-0.088 χ^2/NDF:1972201.7/33

Out: 558.015+/-0.090 χ^2/NDF:2225897.9/35

All: 555.472+/-0.063 χ^2/NDF: 4199680.6/69

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: -334.387+/-253.944 χ^2/NDF:14.7/17

Left: 103.441+/-181.464 χ^2/NDF: 53.2/35

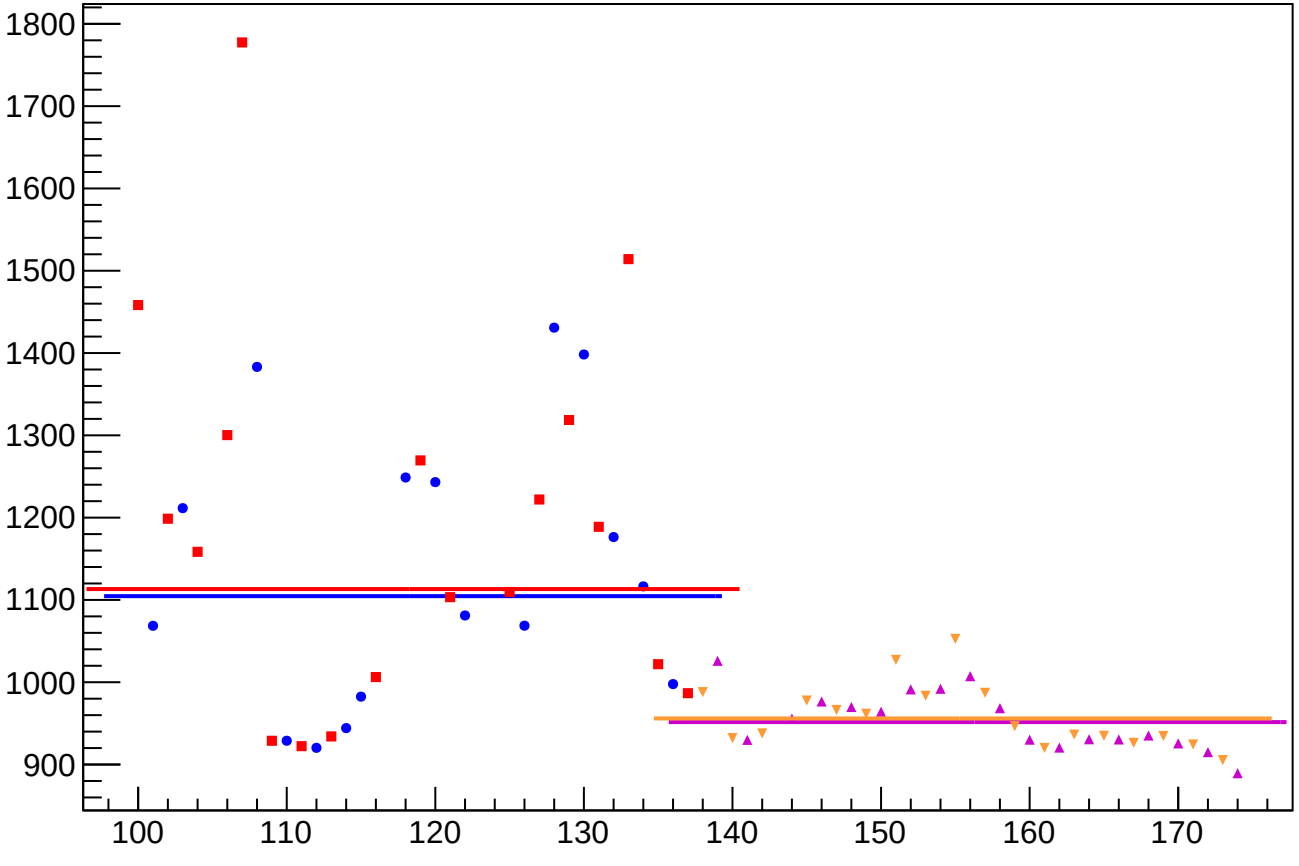
Right: -372.131+/-304.348 χ^2/NDF: 24.2/33

In: -301.715+/-219.151 χ^2/NDF:30.5/33

Out: 265.746+/-221.716 χ^2/NDF:45.4/35

All: -21.286+/-155.862 χ^2/NDF: 79.2/69

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: 951.559+/-0.180 χ^2/NDF:36910.7/17

Left: 953.725+/-0.128 χ^2/NDF: 77817.3/35

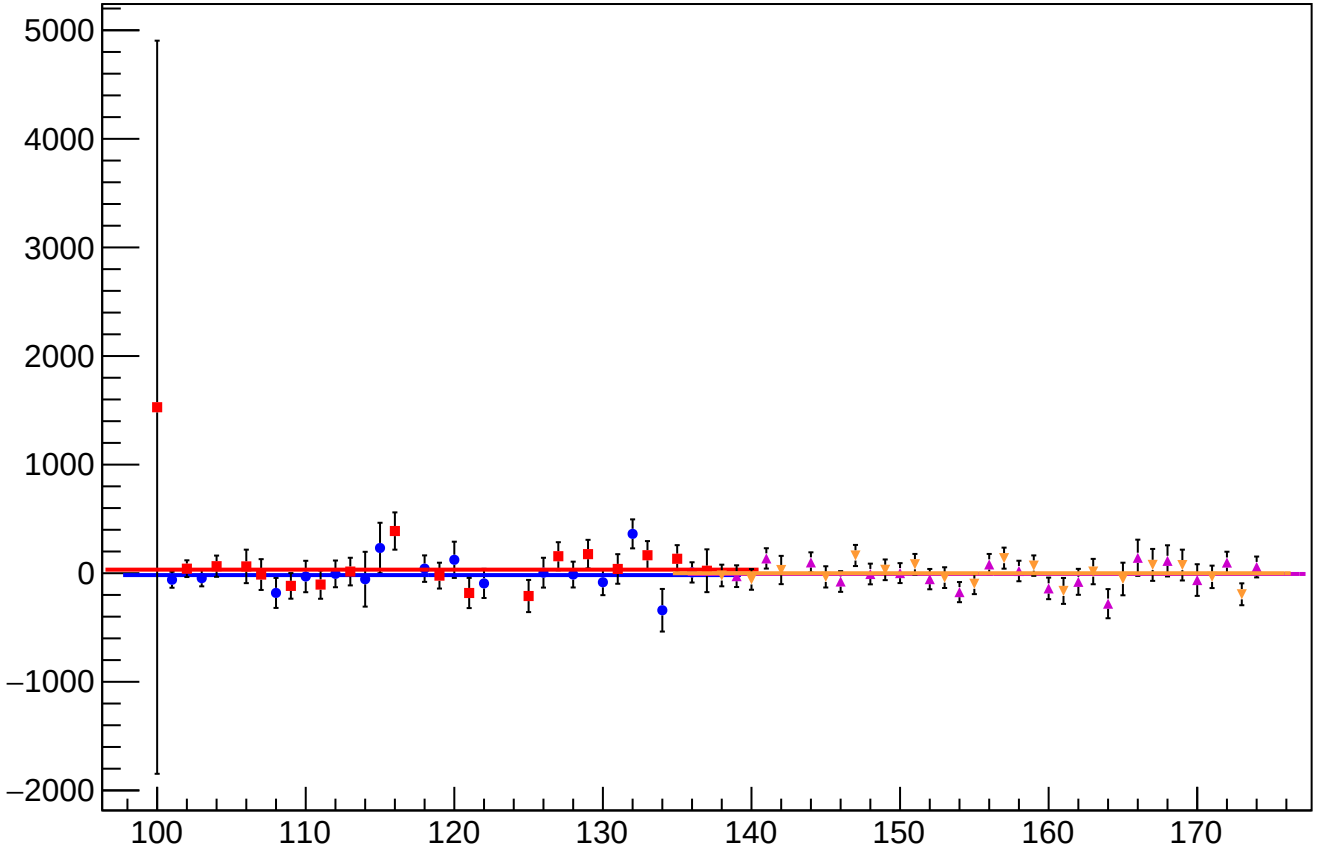
Right: 1108.972+/-0.215 χ^2/NDF: 618871.4/33

In: 990.622+/-0.155 χ^2/NDF:477798.4/33

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

All: 994.441+/-0.110 χ^2/NDF: 1080608.7/69

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: -6.830+/-24.345 χ^2/NDF:18.2/17

Left: -3.604+/-17.400 χ^2/NDF: 32.7/35

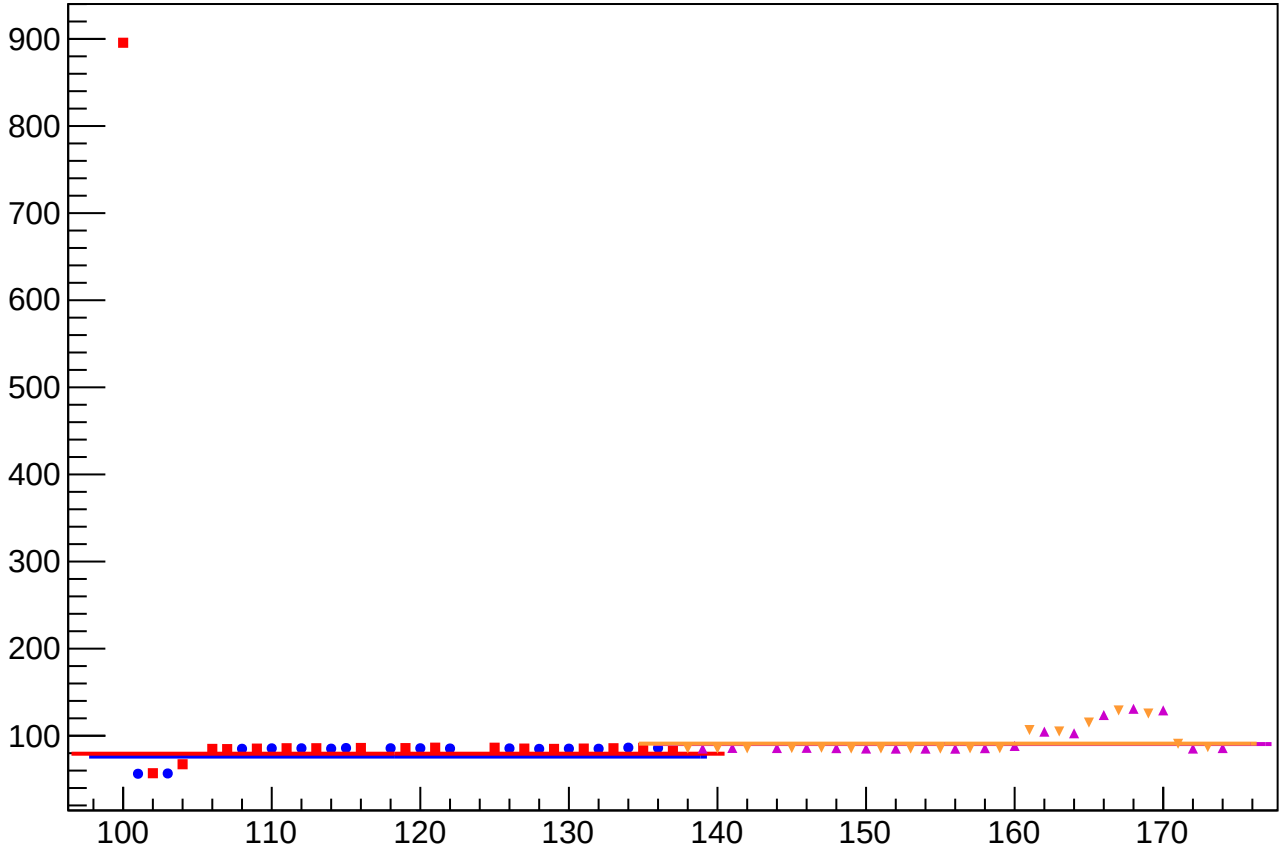
Right: 7.447+/-21.365 χ^2/NDF: 33.5/33

In: -10.964+/-18.901 χ^2/NDF:33.8/33

Out: 13.027+/-19.265 χ^2/NDF:31.7/35

All: 0.803+/-13.492 χ^2/NDF: 66.3/69

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: 90.458+/-0.017 χ^2/NDF:490043.2/17

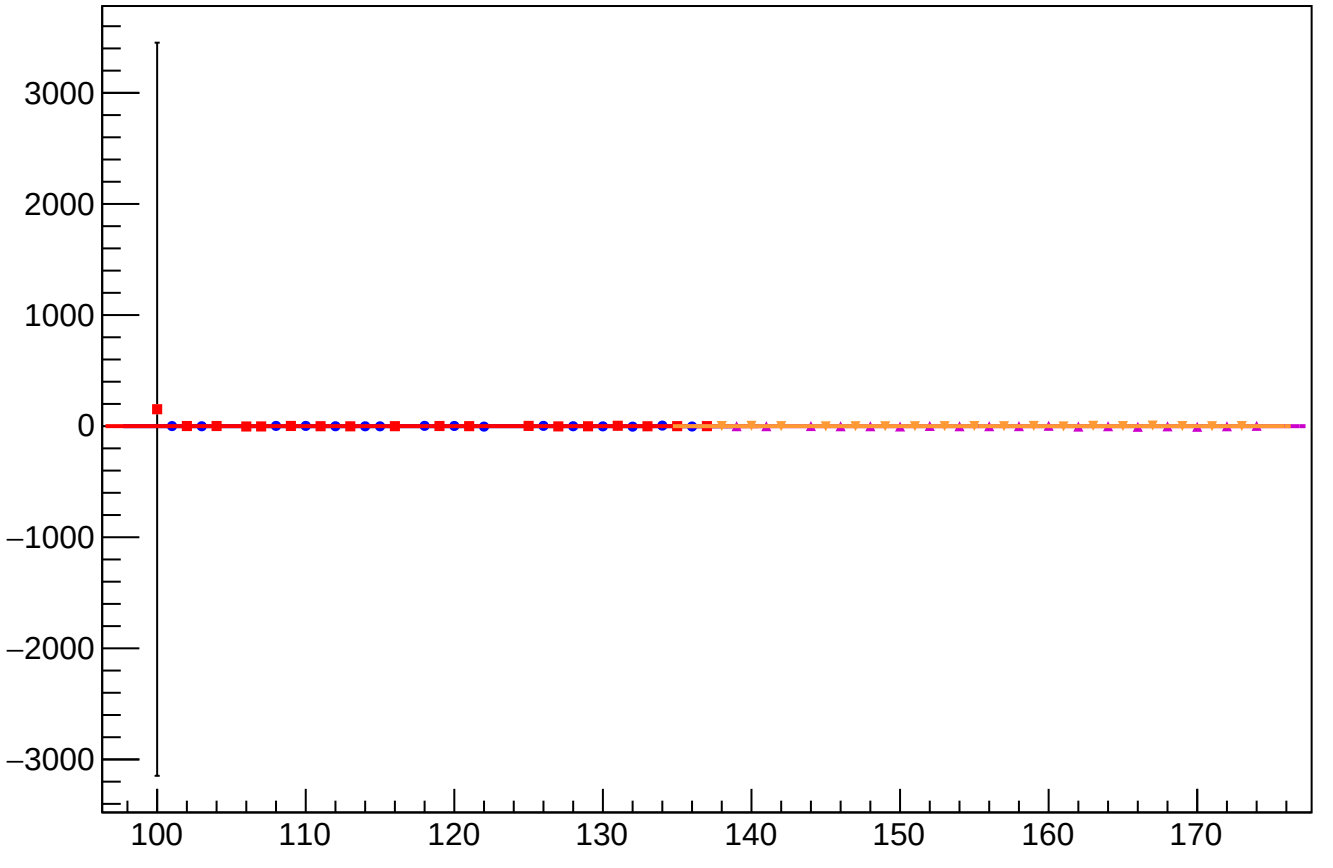
Left: 90.700+/-0.012 χ^2/NDF: 929565.3/35

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

In: 84.746+/-0.013 χ^2/NDF:1176370.7/33

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

All: 85.519+/-0.010 χ^2/NDF: 2173783.7/69



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: -0.228+/-0.435 χ^2/NDF:23.0/17

Left: -0.111+/-0.305 χ^2/NDF: 36.1/35

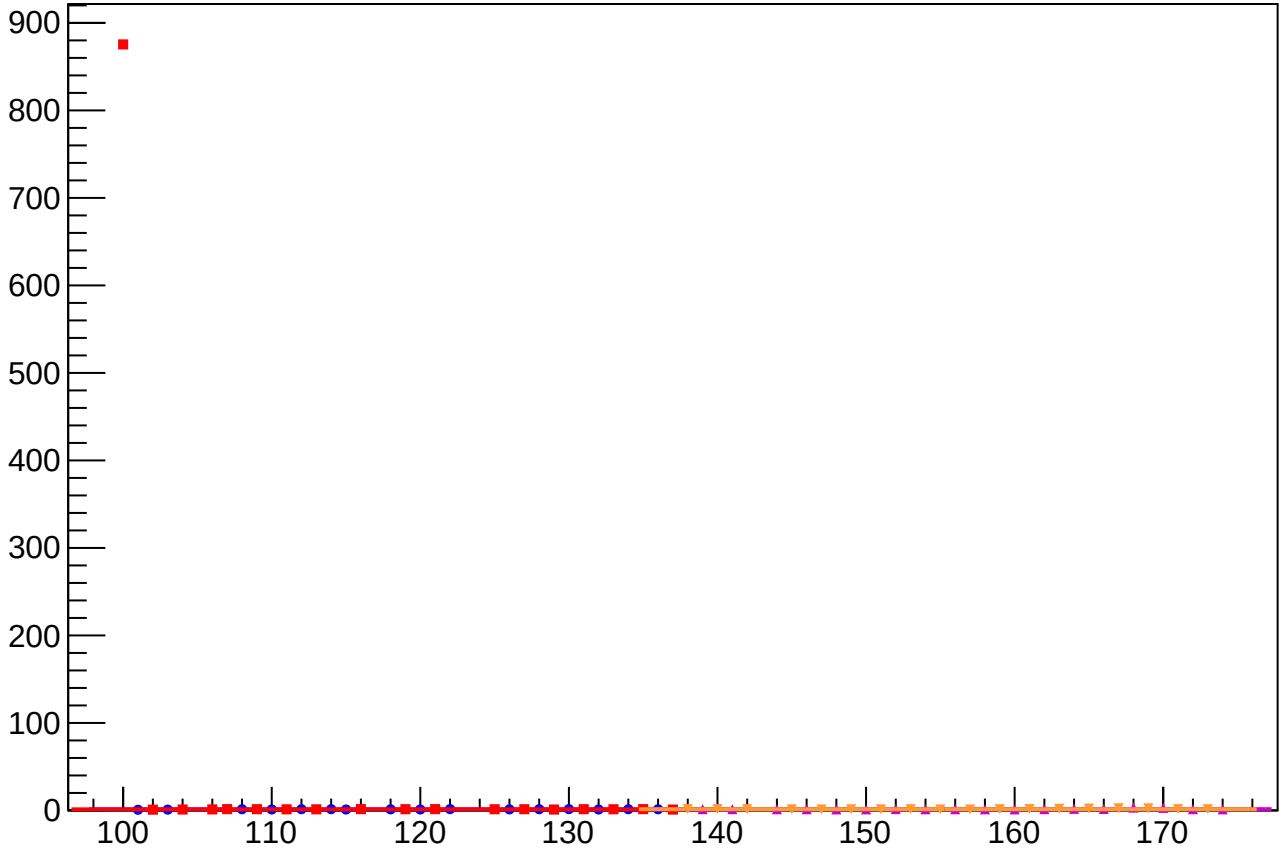
Right: -0.108+/-0.361 χ^2/NDF: 30.4/33

In: -0.251+/-0.329 χ^2/NDF:44.1/33

Out: 0.033+/-0.331 χ^2/NDF:22.0/35

All: -0.110+/-0.233 χ^2/NDF: 66.5/69

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: 1.463+/-0.000 χ^2/NDF:984096.1/17

Left: 1.426+/-0.000 χ^2/NDF: 1912145.3/35

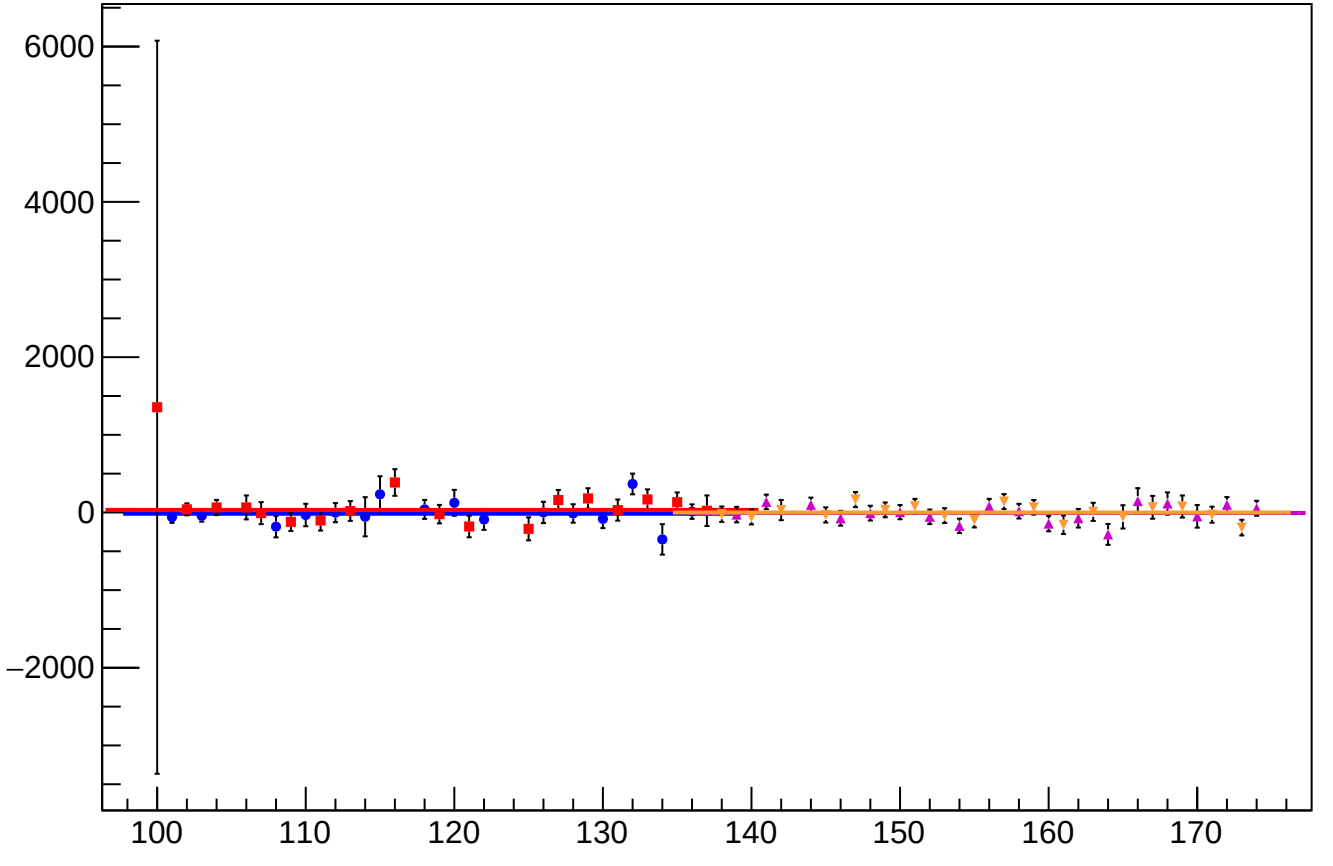
Right: 1.198+/-0.000 χ^2/NDF: 1065824.7/33

In: 1.330+/-0.000 χ^2/NDF:1936841.7/33

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

All: 1.331+/-0.000 χ^2/NDF: 3444882.2/69

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: -6.781+/-24.353 χ^2/NDF:18.1/17

Left: -3.688+/-17.405 χ^2/NDF: 32.5/35

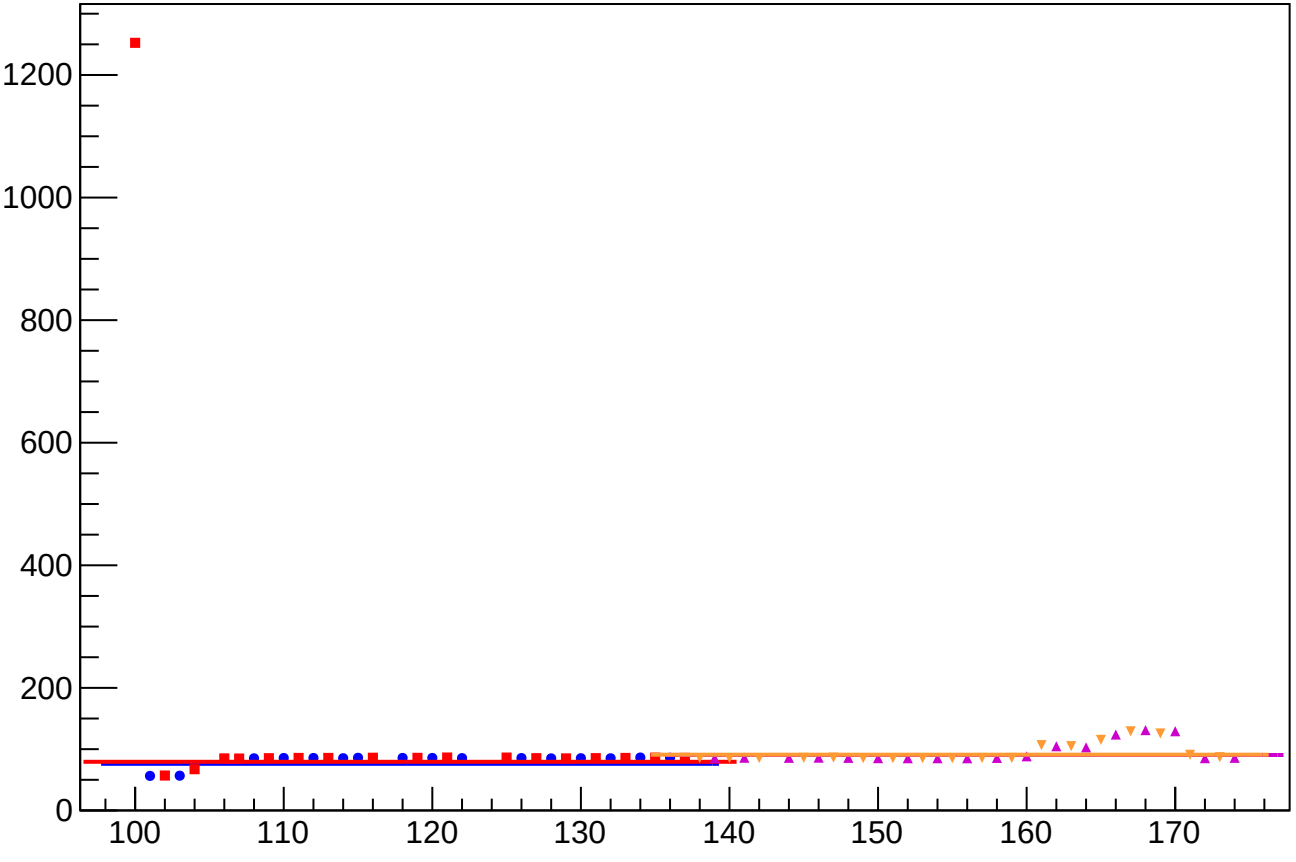
Right: 8.026+/-21.371 χ^2/NDF: 33.7/33

In: -10.567+/-18.906 χ^2/NDF:34.0/33

Out: 12.983+/-19.270 χ^2/NDF:31.6/35

All: 0.984+/-13.496 χ^2/NDF: 66.4/69

asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.099+/-0.021 χ^2/NDF: 409200.9/15

Left Out: 90.978+/-0.018 χ^2/NDF:439860.0/17

Right Out: 79.393+/-0.022 χ^2/NDF: 385048.8/17

Left In: 90.485+/-0.017 χ^2/NDF:490915.2/17

Left: 90.726+/-0.012 χ^2/NDF: 931177.0/35

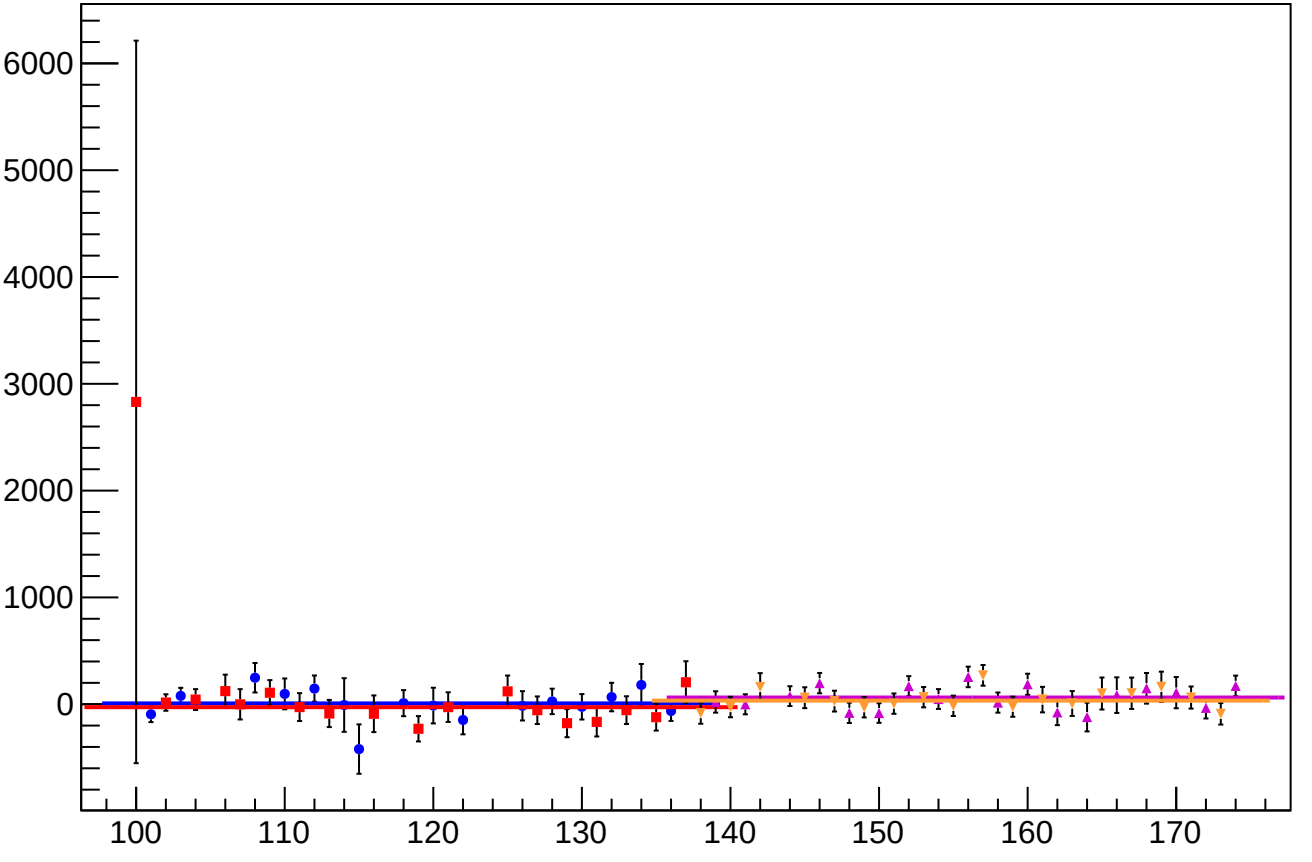
Right: 77.721+/-0.015 χ^2/NDF: 806127.4/33

In: 84.770+/-0.013 χ^2/NDF:1177378.1/33

Out: 86.340+/-0.014 χ^2/NDF:998447.2/35

All: 85.540+/-0.010 χ^2/NDF: 2182592.9/69

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: 62.629+/-24.353 χ^2/NDF:20.5/17

Left: 48.530+/-17.403 χ^2/NDF: 34.1/35

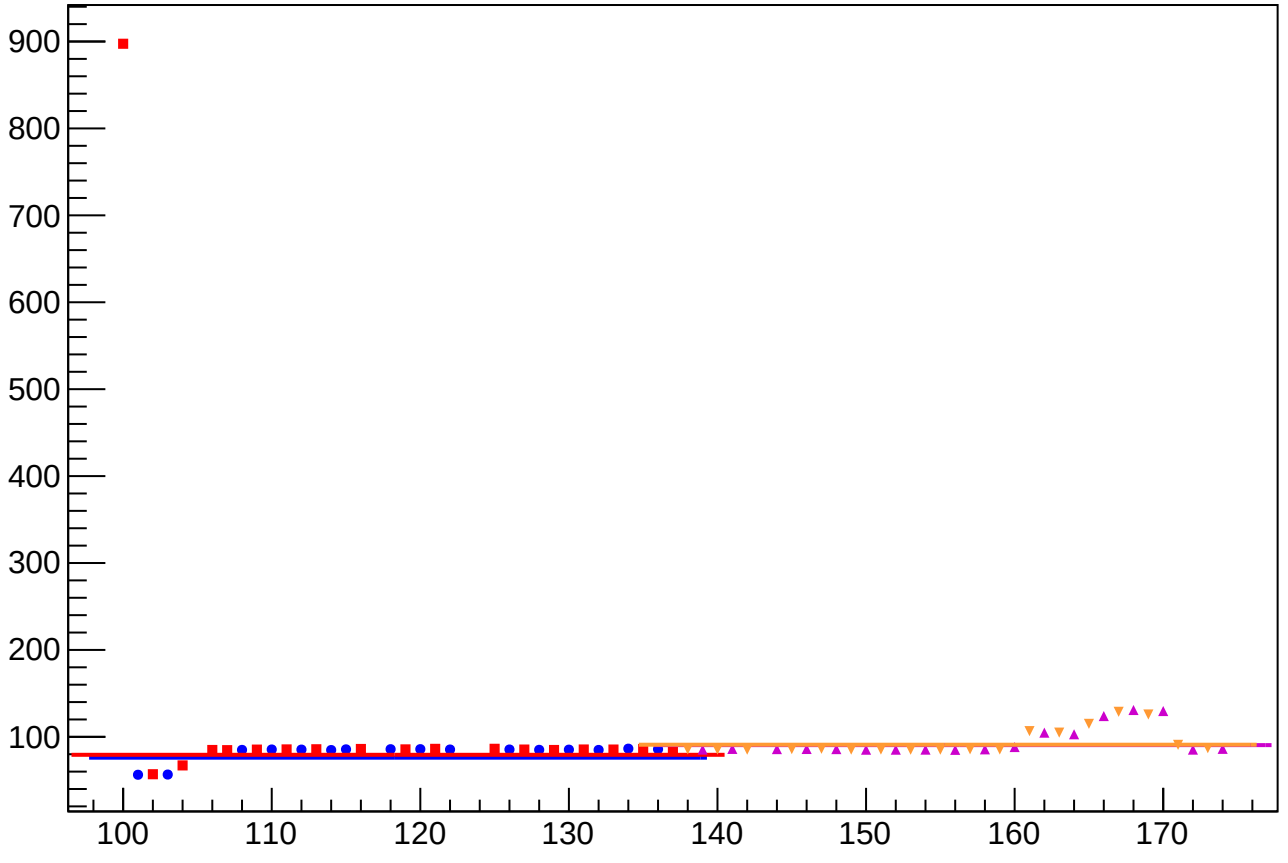
Right: -9.961+/-21.352 χ^2/NDF: 27.1/33

In: 40.688+/-18.900 χ^2/NDF:36.4/33

Out: 9.081+/-19.260 χ^2/NDF:27.9/35

All: 25.183+/-13.490 χ^2/NDF: 65.7/69

reg_asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.032+/-0.021 χ^2/NDF: 408917.7/15

Left Out: 90.953+/-0.018 χ^2/NDF:438467.8/17

Right Out: 79.342+/-0.022 χ^2/NDF: 378371.9/17

Left In: 90.482+/-0.017 χ^2/NDF:493057.8/17

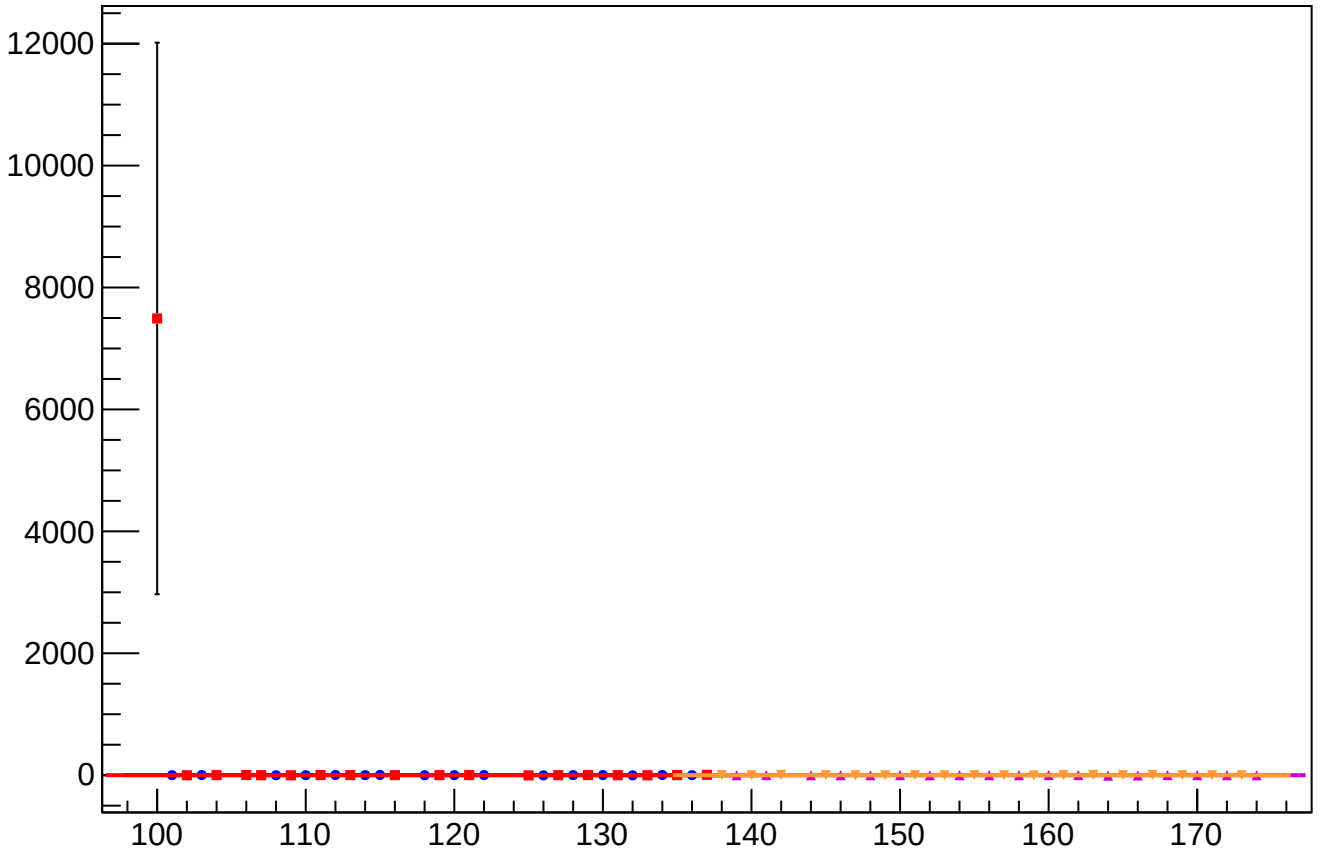
Left: 90.712+/-0.012 χ^2/NDF: 931892.5/35

Right: 77.662+/-0.015 χ^2/NDF: 799302.8/33

In: 84.735+/-0.013 χ^2/NDF:1182015.4/33

Out: 86.301+/-0.014 χ^2/NDF:991396.8/35

All: 85.503+/-0.010 χ^2/NDF: 2180150.2/69



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: 0.052+/-0.437 χ^2/NDF:15.7/17

Left: -0.176+/-0.310 χ^2/NDF: 33.1/35

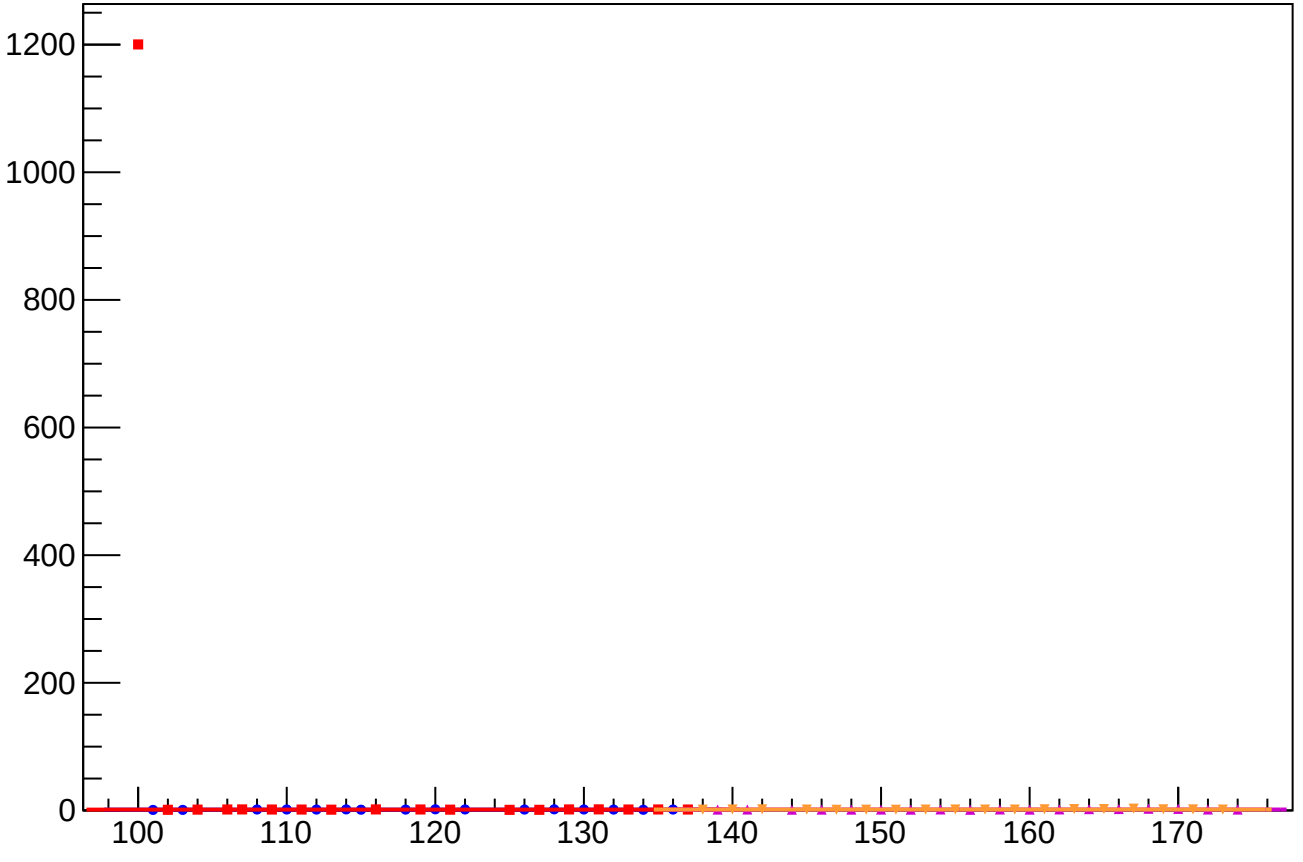
Right: 0.621+/-0.382 χ^2/NDF: 25.2/33

In: 0.398+/-0.338 χ^2/NDF:29.2/33

Out: -0.126+/-0.344 χ^2/NDF:30.5/35

All: 0.141+/-0.241 χ^2/NDF: 60.9/69

asym_ds_dd_correction_rms vs Slug, Sign Corrected



Right In: 1.238+/-0.000 χ^2/NDF: 657848.9/15

Left Out: 1.441+/-0.000 χ^2/NDF:1040875.3/17

Right Out: 1.317+/-0.000 χ^2/NDF: 521587.9/17

Left In: 1.462+/-0.000 χ^2/NDF:929640.1/17

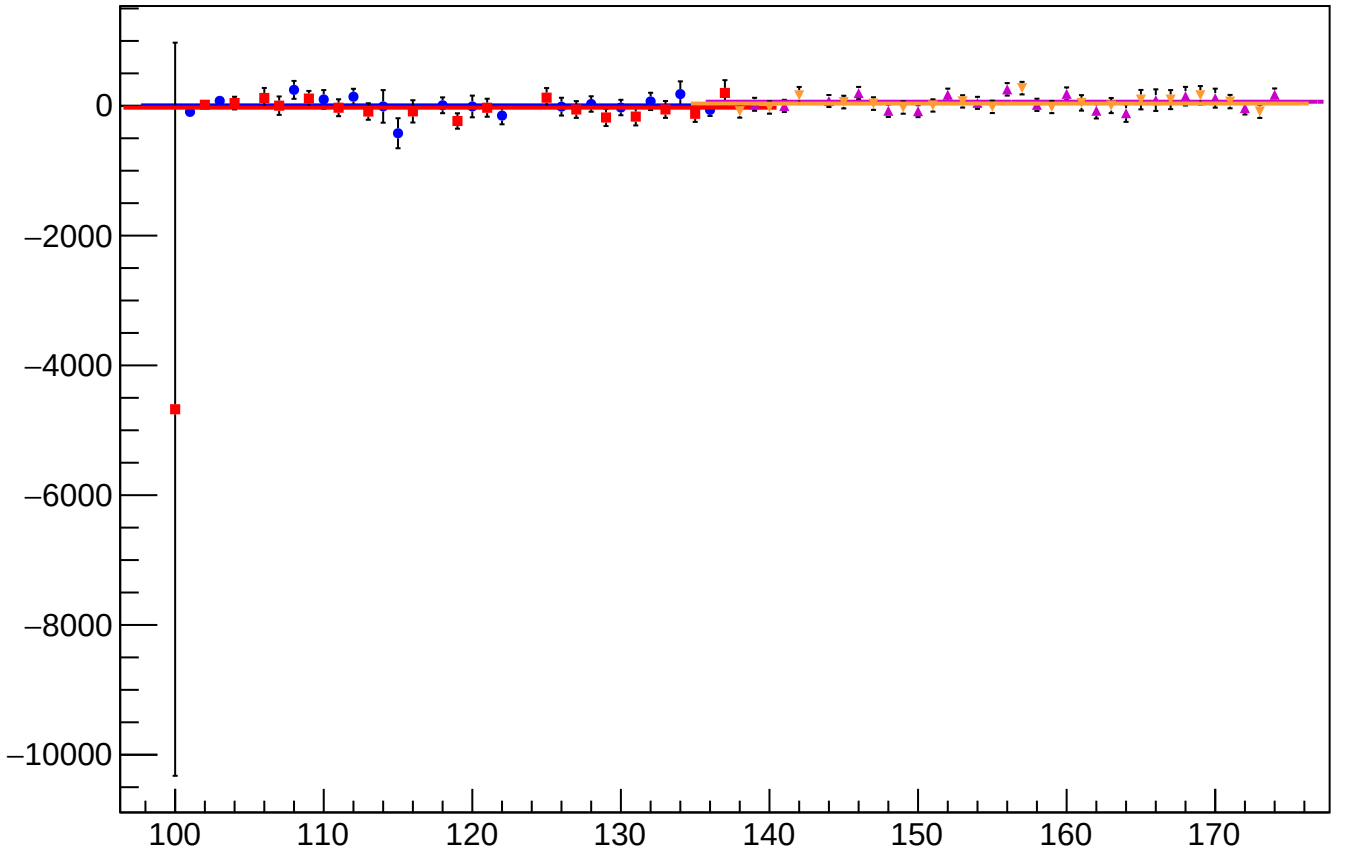
Left: 1.451+/-0.000 χ^2/NDF: 1972759.1/35

Right: 1.276+/-0.000 χ^2/NDF: 1201203.5/33

In: 1.372+/-0.000 χ^2/NDF:1798977.9/33

Out: 1.392+/-0.000 χ^2/NDF:1623927.0/35

All: 1.382+/-0.000 χ^2/NDF: 3426659.3/69



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: 63.170+/-24.361 χ^2/NDF:20.1/17

Left: 49.208+/-17.409 χ^2/NDF: 33.6/35

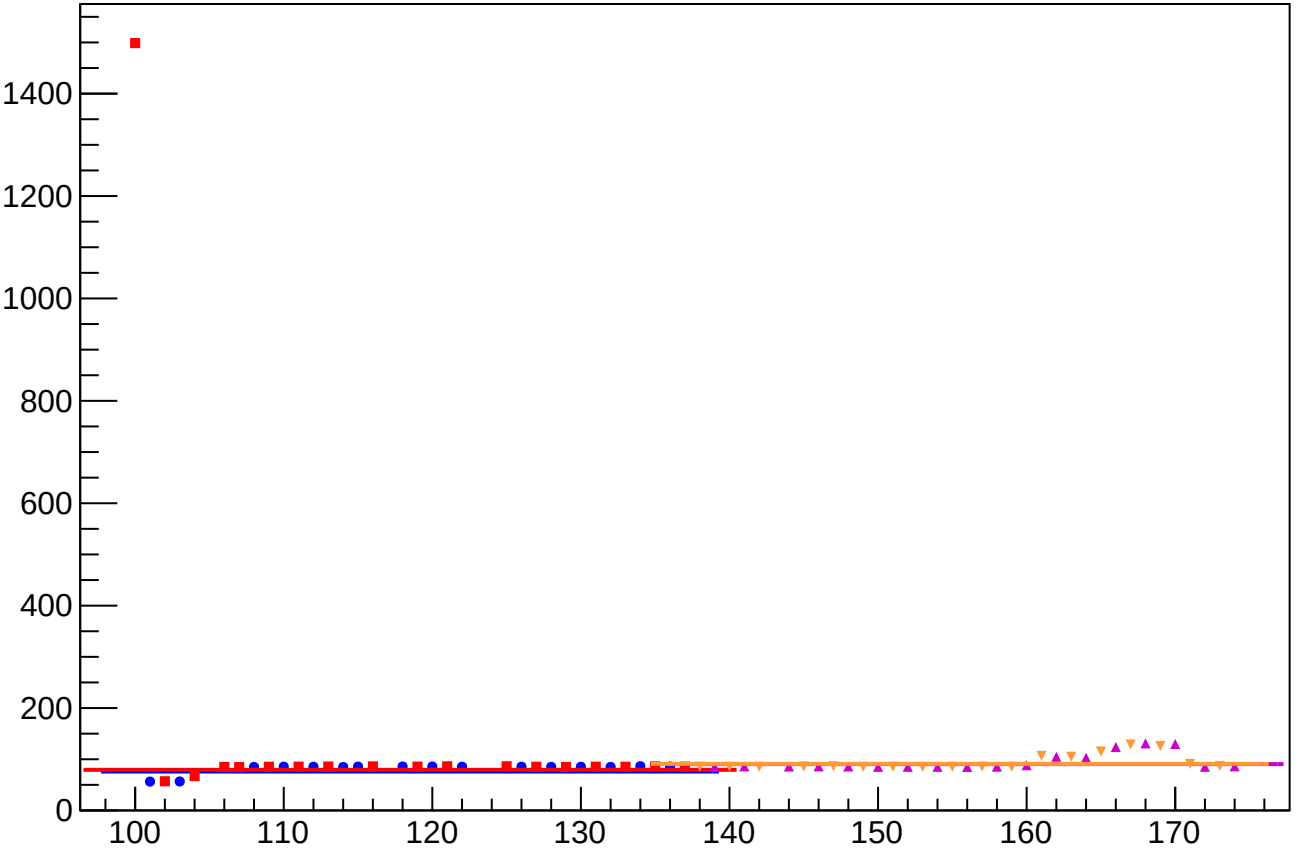
Right: -10.616+/-21.358 χ^2/NDF: 27.2/33

In: 40.742+/-18.906 χ^2/NDF:36.1/33

Out: 9.321+/-19.266 χ^2/NDF:28.0/35

All: 25.328+/-13.494 χ^2/NDF: 65.5/69

asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.052+/-0.021 χ^2/NDF: 408962.1/15

Left Out: 90.980+/-0.018 χ^2/NDF:439212.3/17

Right Out: 79.338+/-0.022 χ^2/NDF: 387631.3/17

Left In: 90.509+/-0.017 χ^2/NDF:493862.8/17

Left: 90.739+/-0.012 χ^2/NDF: 933441.8/35

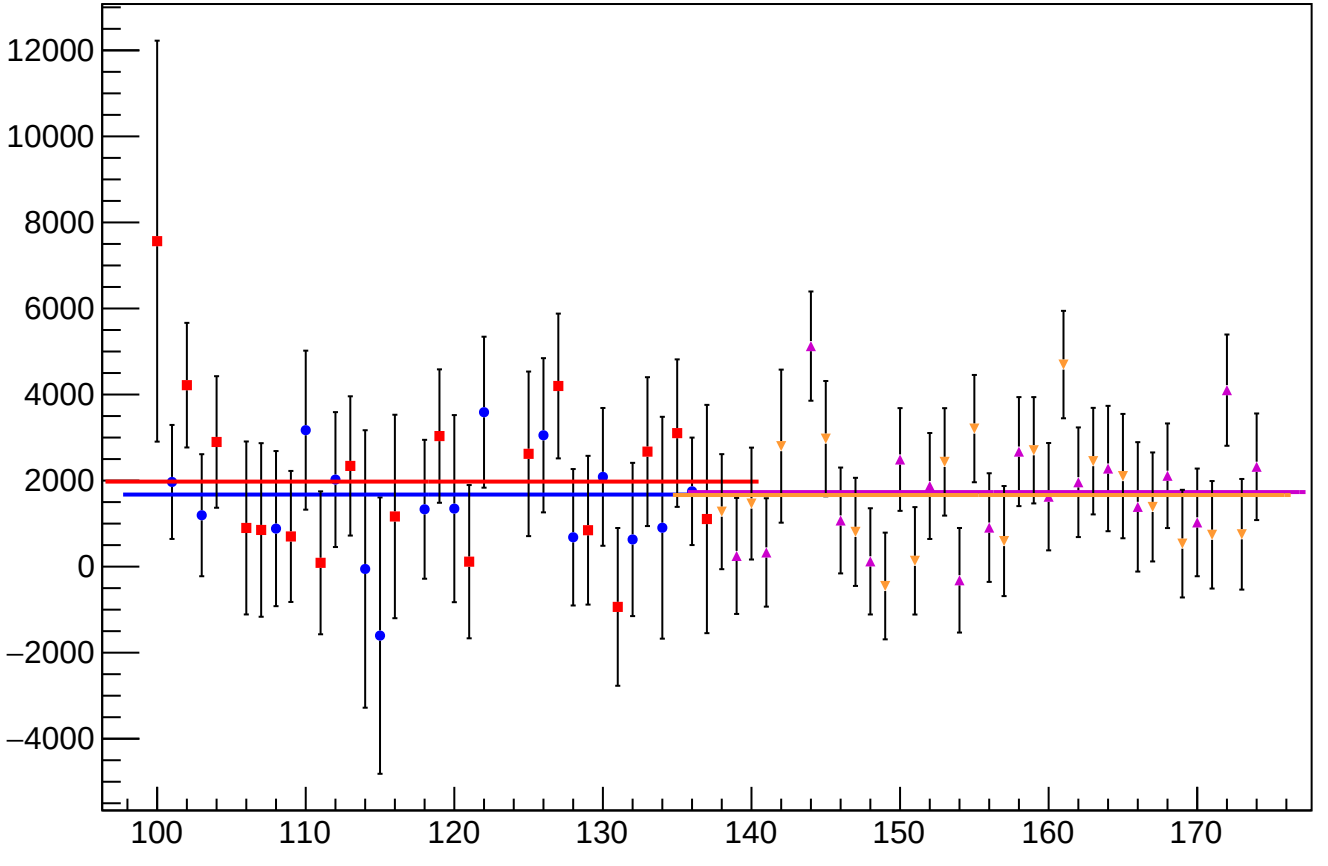
Right: 77.670+/-0.015 χ^2/NDF: 808427.1/33

In: 84.759+/-0.013 χ^2/NDF:1182949.2/33

Out: 86.316+/-0.014 χ^2/NDF:1002207.4/35

All: 85.523+/-0.010 χ^2/NDF: 2191810.6/69

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 1674.993+/-430.597 χ^2/NDF: 5.1/15

Left Out: 1664.379+/-304.578 χ^2/NDF:18.0/17

Right Out: 1976.296+/-422.405 χ^2/NDF: 14.0/17

Left In: 1732.833+/-299.590 χ^2/NDF:20.1/17

Left: 1699.171+/-213.584 χ^2/NDF: 38.1/35

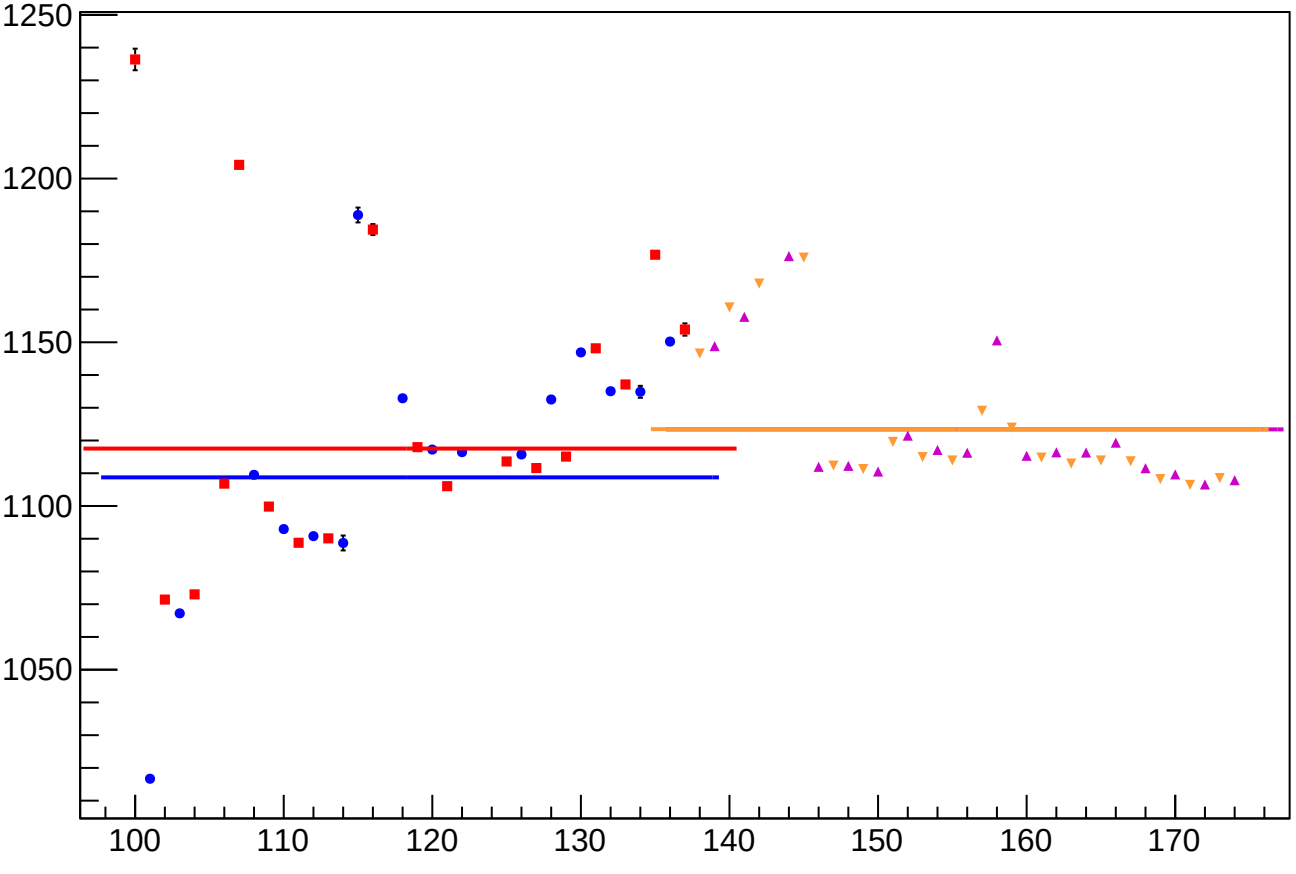
Right: 1828.538+/-301.540 χ^2/NDF: 19.4/33

In: 1713.967+/-245.923 χ^2/NDF:25.2/33

Out: 1771.077+/-247.052 χ^2/NDF:32.4/35

All: 1742.391+/-174.292 χ^2/NDF: 57.6/69

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1108.739+/-0.304 χ^2/NDF: 18080.7/15

Left Out: 1123.462+/-0.215 χ^2/NDF:8546.1/17

Right Out: 1117.539+/-0.299 χ^2/NDF: 15515.2/17

Left In: 1123.397+/-0.212 χ^2/NDF:8576.9/17

Left: 1123.429+/-0.151 χ^2/NDF: 17123.0/35

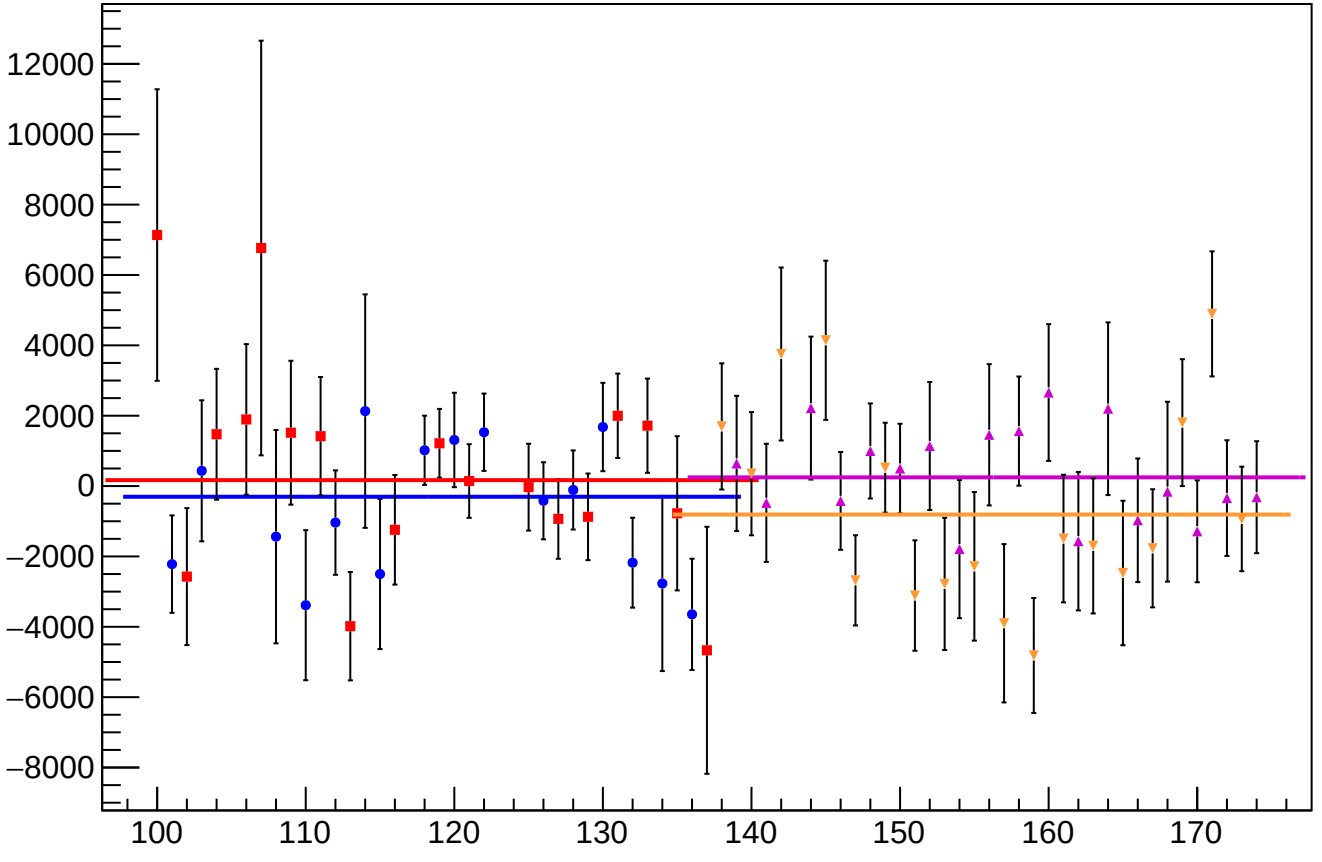
Right: 1113.224+/-0.213 χ^2/NDF: 34021.5/33

In: 1118.616+/-0.174 χ^2/NDF:28219.2/33

Out: 1121.436+/-0.175 χ^2/NDF:24320.0/35

All: 1120.020+/-0.123 χ^2/NDF: 52670.1/69

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: 247.793+/-402.183 χ^2/NDF:9.0/17

Left: -270.982+/-287.117 χ^2/NDF: 51.7/35

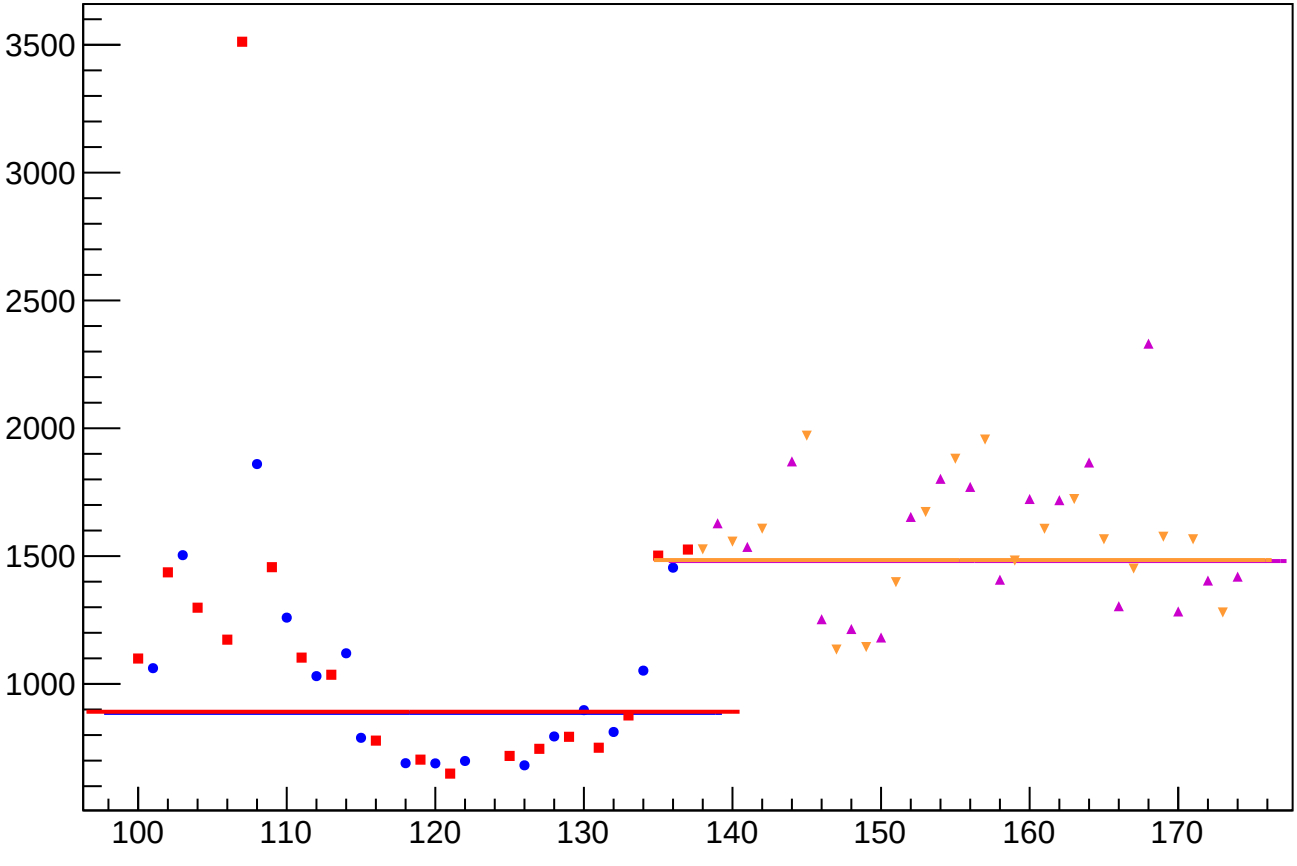
Right: -64.717+/-253.241 χ^2/NDF: 48.0/33

In: -58.129+/-268.265 χ^2/NDF:32.4/33

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

All: -154.969+/-189.922 χ^2/NDF: 100.0/69

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: 1480.623+/-0.284 χ^2/NDF:842582.9/17

Left: 1482.540+/-0.203 χ^2/NDF: 1511238.2/35

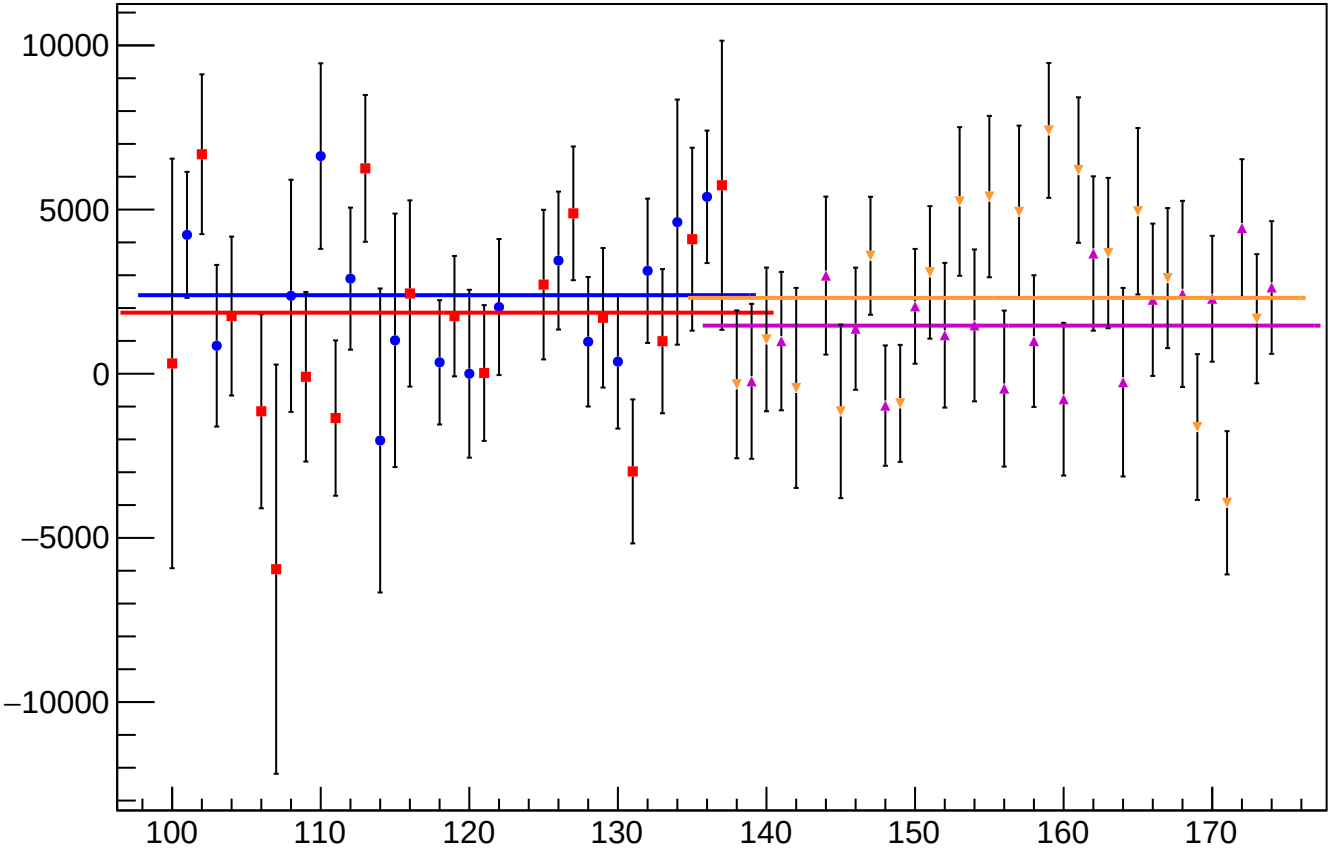
Right: 888.968+/-0.179 χ^2/NDF: 2475210.4/33

In: 1150.941+/-0.190 χ^2/NDF:4324547.2/33

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

All: 1148.688+/-0.134 χ^2/NDF: 8794181.0/69

asym_usl_mean vs Slug, Sign Corrected



Right In: 2392.385+/-588.991 χ^2/NDF: 11.2/15

Left Out: 2310.274+/-519.086 χ^2/NDF:34.6/17

Right Out: 1859.867+/-583.119 χ^2/NDF: 22.5/17

Left In: 1465.686+/-509.484 χ^2/NDF:8.5/17

Left: 1880.096+/-363.607 χ^2/NDF: 44.4/35

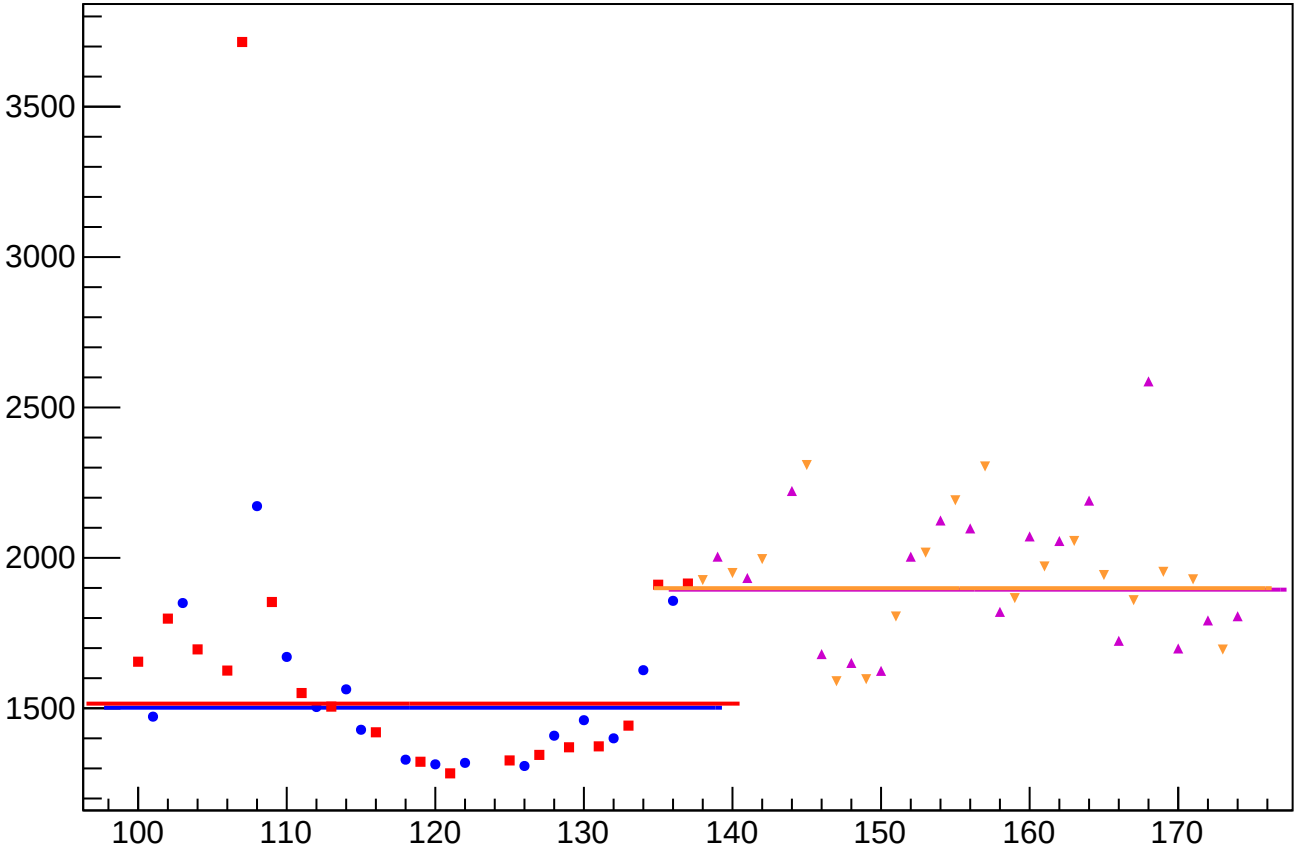
Right: 2123.458+/-414.388 χ^2/NDF: 34.1/33

In: 1862.311+/-385.327 χ^2/NDF:21.1/33

Out: 2111.149+/-387.719 χ^2/NDF:57.4/35

All: 1985.960+/-273.309 χ^2/NDF: 78.7/69

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: 1894.327+/-0.360 χ^2/NDF:395679.3/17

Left: 1896.724+/-0.257 χ^2/NDF: 686109.4/35

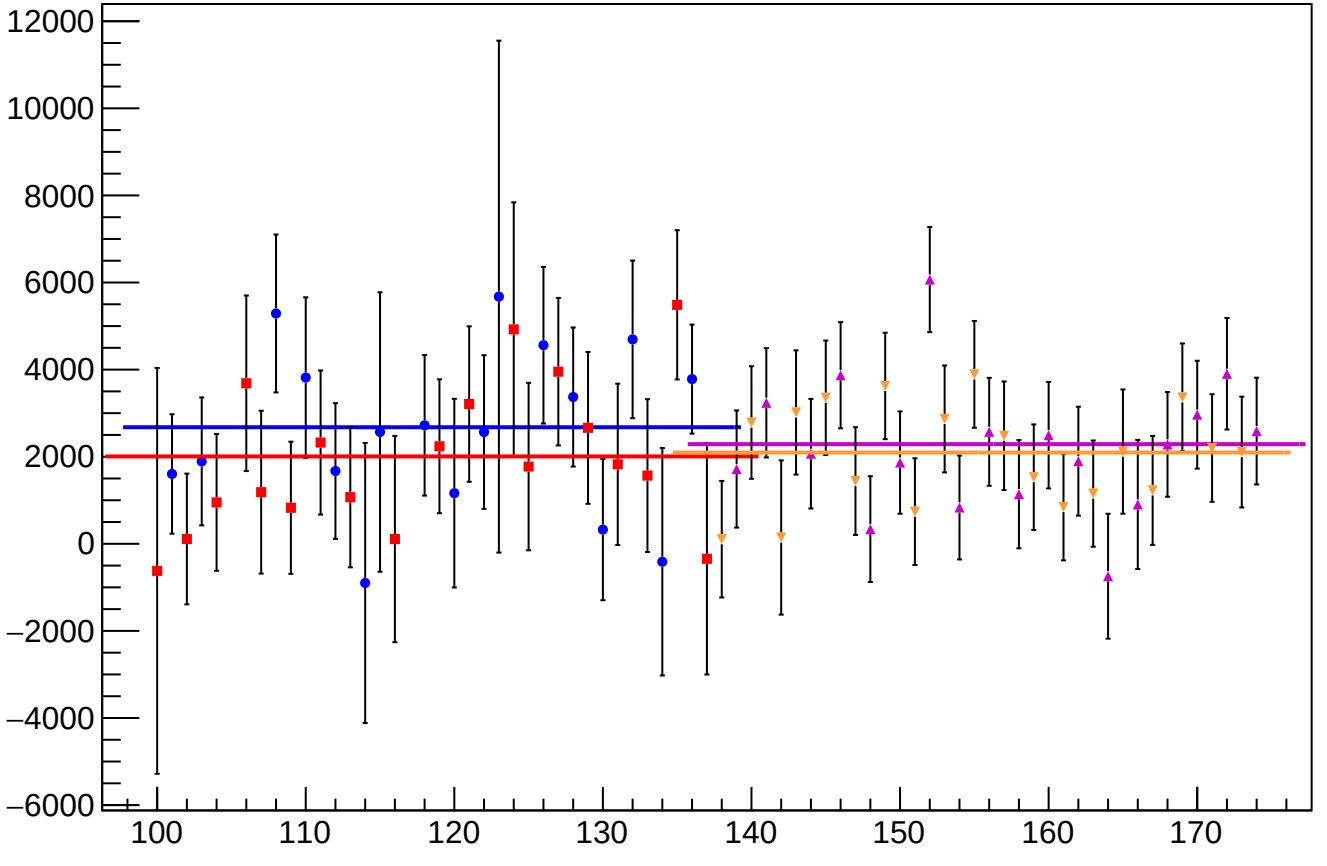
Right: 1508.739+/-0.293 χ^2/NDF: 734837.7/33

In: 1726.385+/-0.272 χ^2/NDF:1157974.6/33

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

All: 1727.948+/-0.193 χ^2/NDF: 2411528.7/69

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2676.683+/-433.582 χ^2/NDF: 12.6/16

Left Out: 2096.148+/-293.820 χ^2/NDF:14.1/18

Right Out: 2006.577+/-419.165 χ^2/NDF: 12.8/18

Left In: 2288.603+/-295.534 χ^2/NDF:24.8/17

Left: 2191.816+/-208.365 χ^2/NDF: 39.1/36

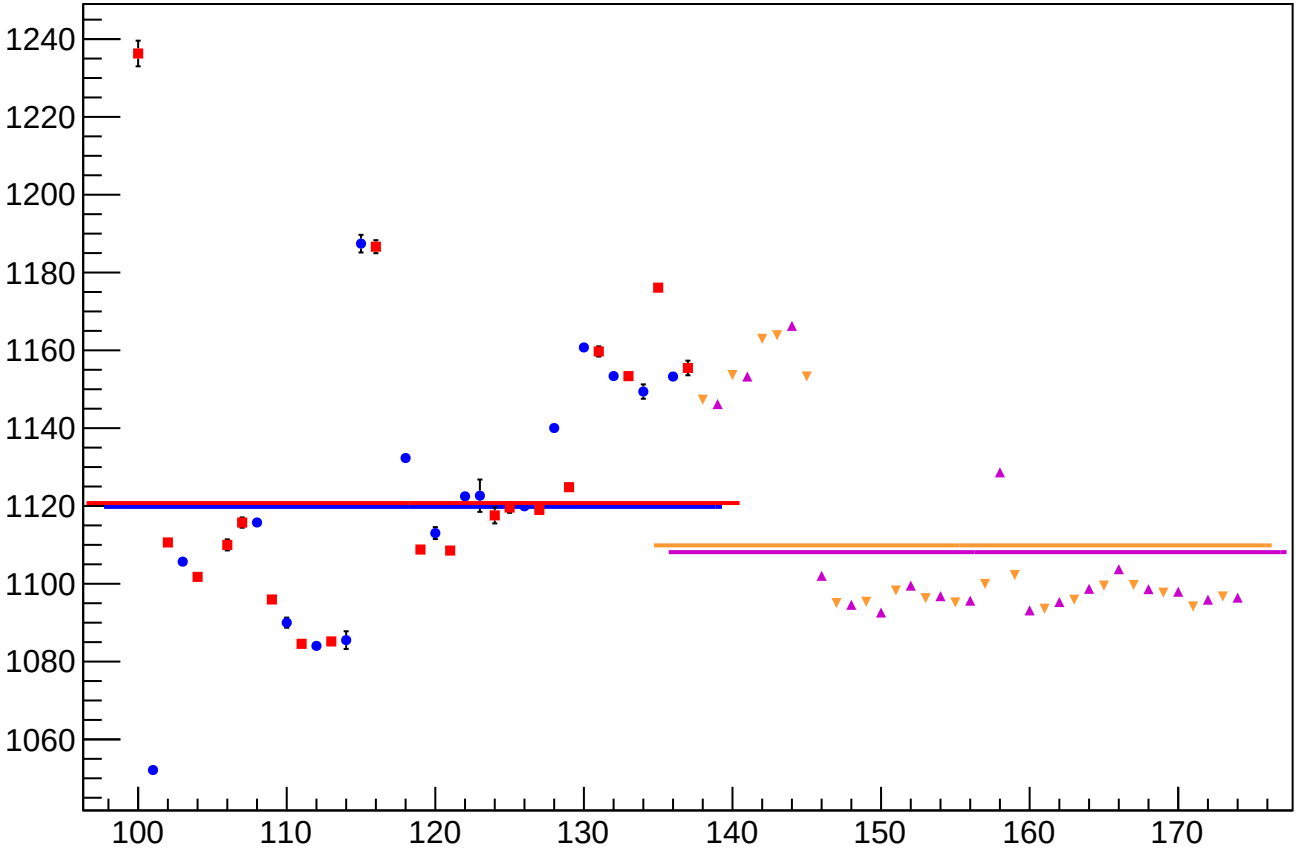
Right: 2330.304+/-301.362 χ^2/NDF: 26.6/35

In: 2411.708+/-244.202 χ^2/NDF:37.9/34

Out: 2066.637+/-240.598 χ^2/NDF:27.0/37

All: 2236.607+/-171.388 χ^2/NDF: 65.9/72

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1119.762+/-0.307 χ^2/NDF: 11876.8/16

Left Out: 1109.874+/-0.208 χ^2/NDF:13773.7/18

Right Out: 1120.746+/-0.296 χ^2/NDF: 9934.2/18

Left In: 1108.130+/-0.209 χ^2/NDF:11370.5/17

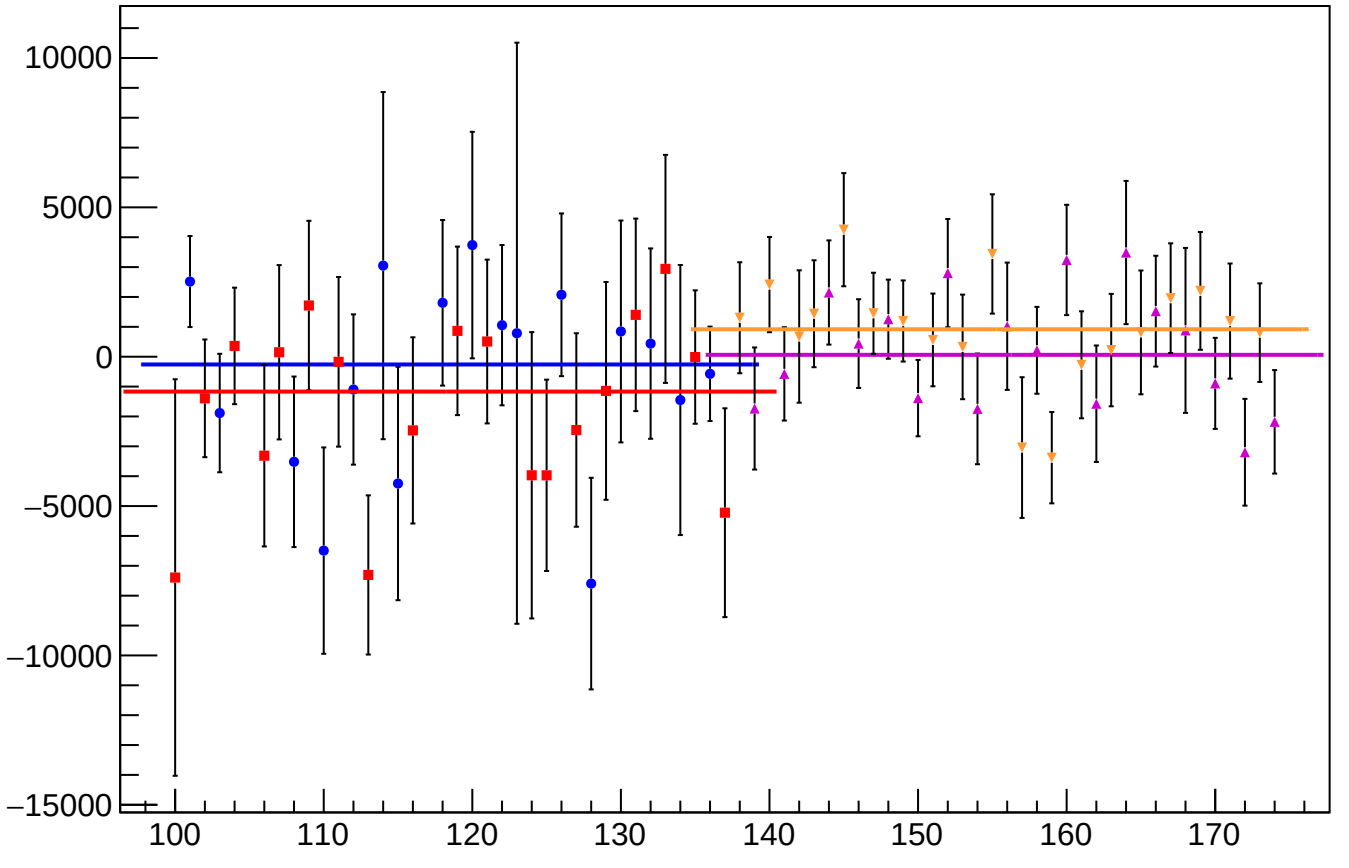
Left: 1109.007+/-0.147 χ^2/NDF: 25179.3/36

Right: 1120.271+/-0.213 χ^2/NDF: 21816.3/35

In: 1111.820+/-0.173 χ^2/NDF:24230.1/34

Out: 1113.456+/-0.170 χ^2/NDF:24610.2/37

All: 1112.650+/-0.121 χ^2/NDF: 48885.8/72



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: 62.696+/-403.872 χ^2/NDF:19.8/17

Left: 492.383+/-285.013 χ^2/NDF: 40.2/36

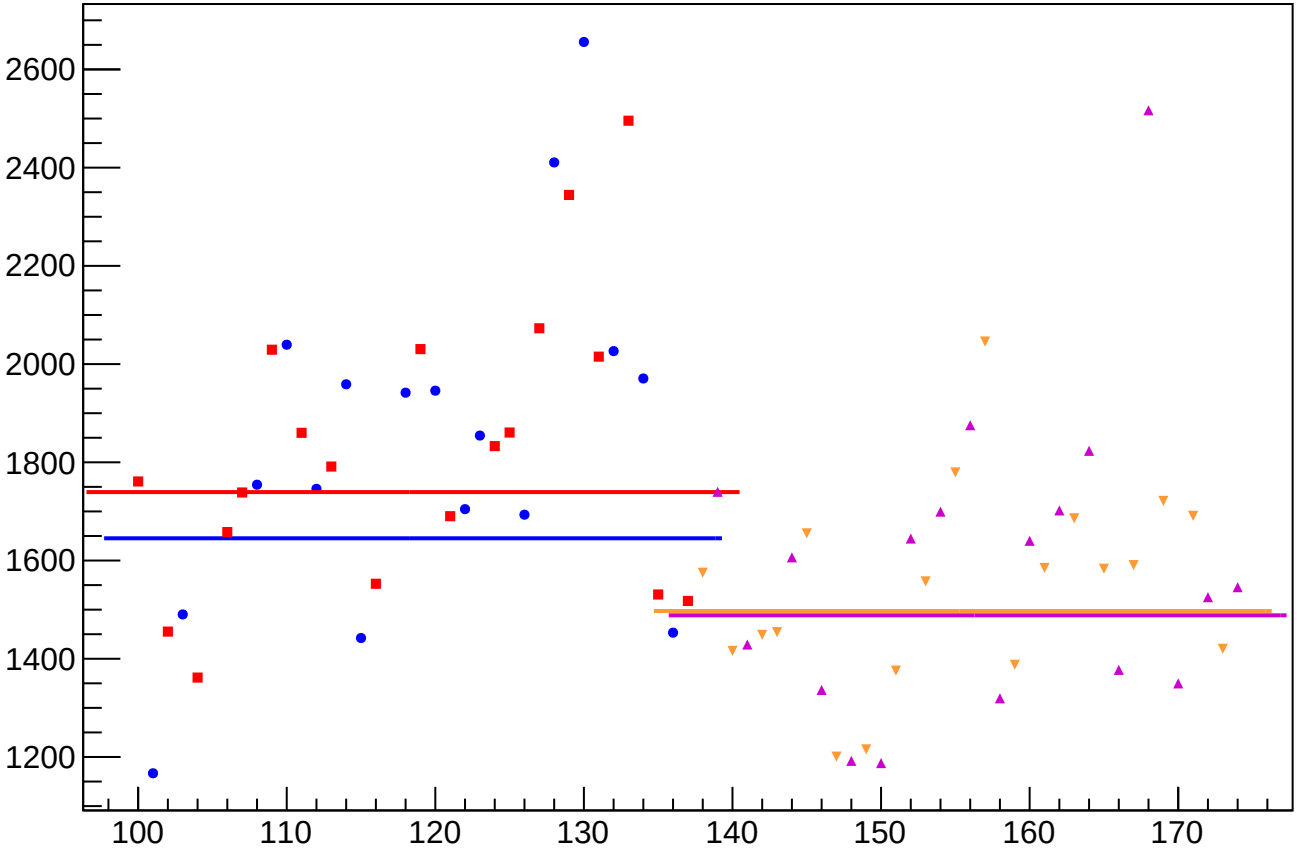
Right: -708.782+/-465.858 χ^2/NDF: 32.6/35

In: -26.092+/-343.815 χ^2/NDF:37.2/34

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

All: 165.236+/-243.122 χ^2/NDF: 77.6/72

asym_usr_correction_rms vs Slug, Sign Corrected



Right In: 1645.307+/-0.463 χ^2/NDF: 600915.2/16

Left Out: 1497.223+/-0.284 χ^2/NDF:463565.4/18

Right Out: 1739.382+/-0.468 χ^2/NDF: 371012.9/18

Left In: 1488.473+/-0.286 χ^2/NDF:788730.6/17

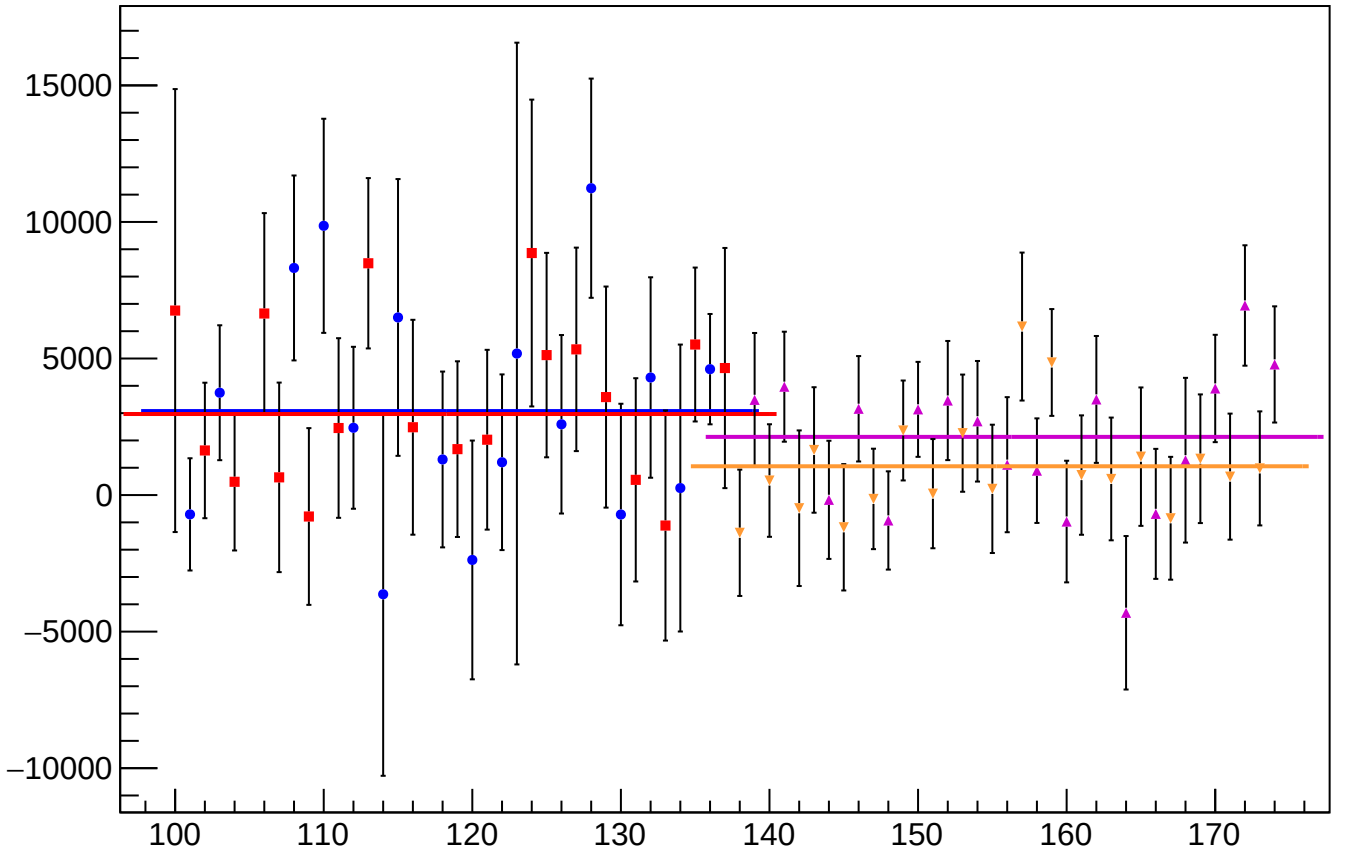
Left: 1492.865+/-0.202 χ^2/NDF: 1252767.2/36

Right: 1691.833+/-0.329 χ^2/NDF: 992315.5/35

In: 1531.649+/-0.243 χ^2/NDF:1472672.8/34

Out: 1562.465+/-0.243 χ^2/NDF:1029841.9/37

All: 1547.056+/-0.172 χ^2/NDF: 2510547.6/72



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: 2130.401+/-508.148 χ^2/NDF:23.0/17

Left: 1588.918+/-358.202 χ^2/NDF: 37.5/36

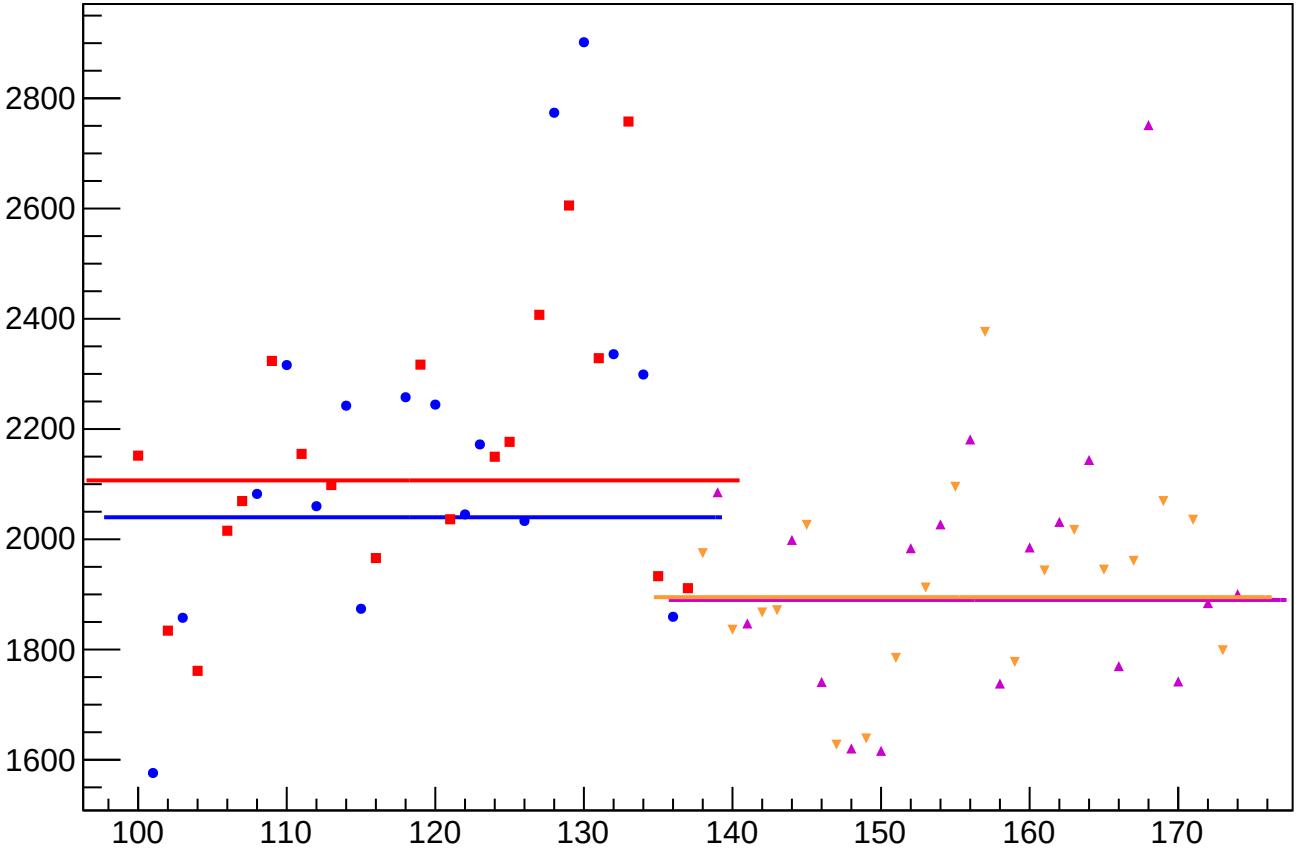
Right: 3021.022+/-564.924 χ^2/NDF: 30.5/35

In: 2400.979+/-429.279 χ^2/NDF:42.6/34

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

All: 1999.583+/-302.515 χ^2/NDF: 72.6/72

asym_usr_rms vs Slug, Sign Corrected



Right In: 2039.942+/-0.567 χ^2/NDF: 331984.0/16

Left Out: 1894.995+/-0.357 χ^2/NDF:215516.8/18

Right Out: 2106.832+/-0.563 χ^2/NDF: 195448.9/18

Left In: 1889.936+/-0.359 χ^2/NDF:383727.2/17

Left: 1892.481+/-0.253 χ^2/NDF: 599343.7/36

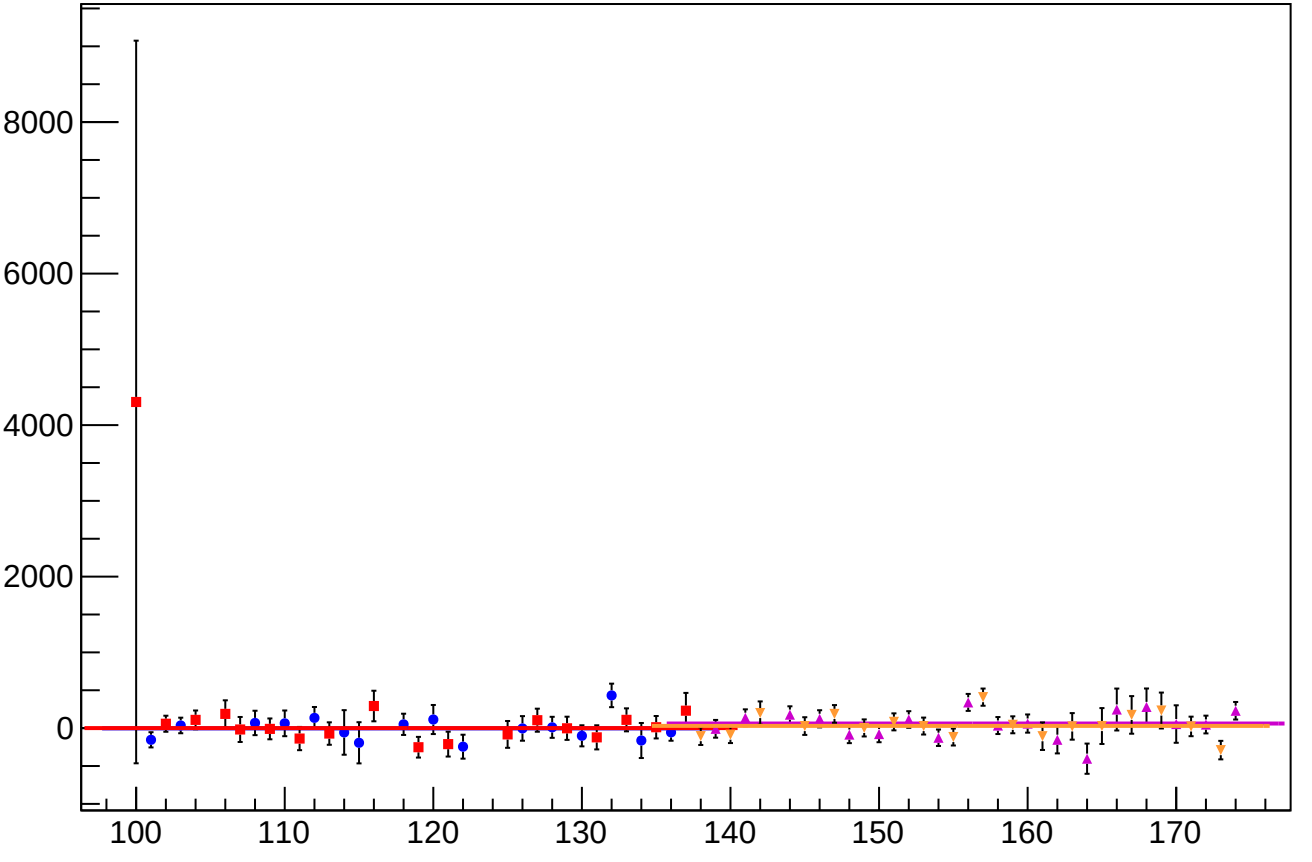
Right: 2073.664+/-0.399 χ^2/NDF: 534442.4/35

In: 1932.886+/-0.304 χ^2/NDF:765614.6/34

Out: 1955.831+/-0.301 χ^2/NDF:512026.1/37

All: 1944.436+/-0.214 χ^2/NDF: 1280516.9/72

reg_asym_dsl_mean vs Slug, Sign Corrected



Right In: -3.283+/-36.714 χ^2/NDF: 16.1/15

Left Out: 29.664+/-30.709 χ^2/NDF:27.1/17

Right Out: 0.487+/-36.699 χ^2/NDF: 14.0/17

Left In: 60.888+/-29.826 χ^2/NDF:25.3/17

Left: 45.732+/-21.395 χ^2/NDF: 52.9/35

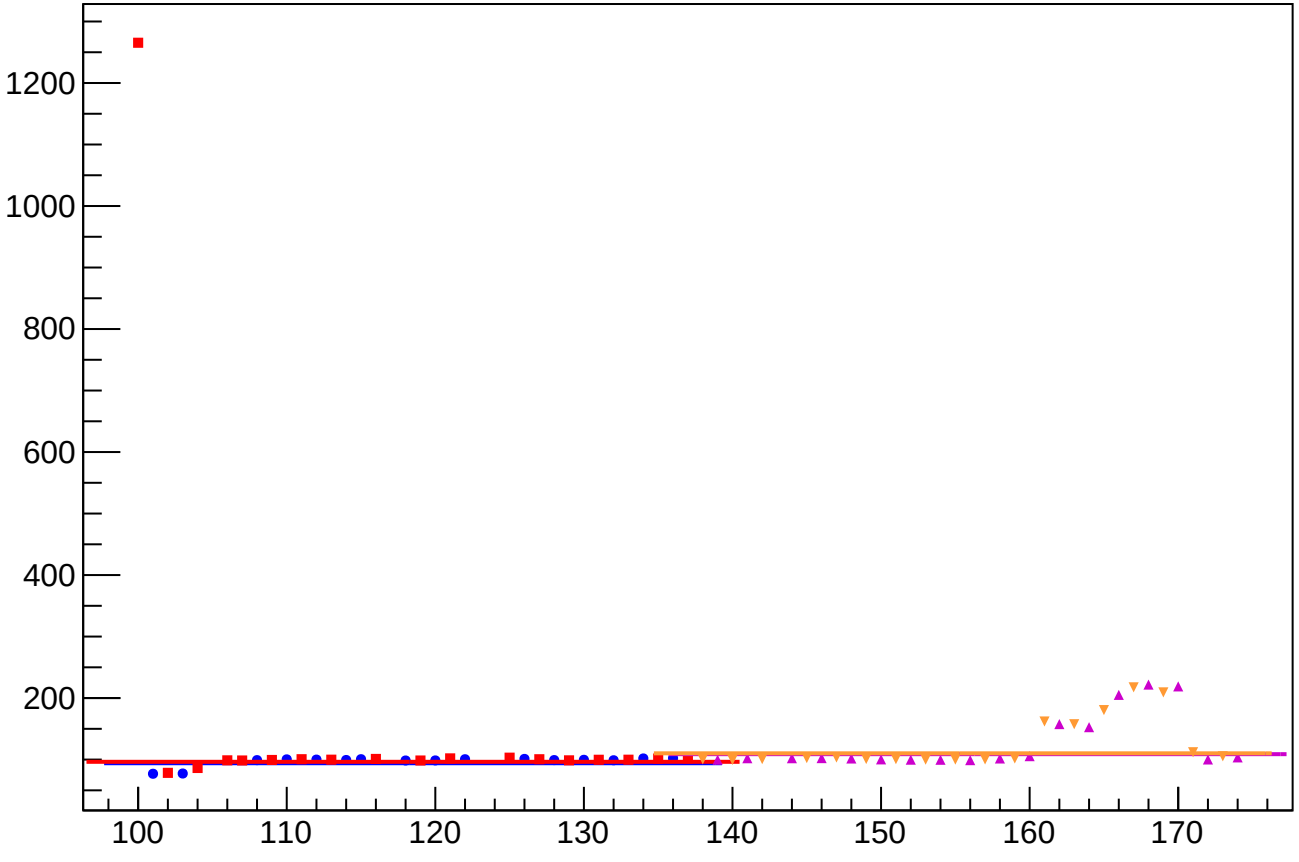
Right: -1.397+/-25.955 χ^2/NDF: 30.1/33

In: 35.375+/-23.150 χ^2/NDF:43.2/33

Out: 17.648+/-23.551 χ^2/NDF:41.5/35

All: 26.664+/-16.509 χ^2/NDF: 85.0/69

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: 108.796+/-0.021 χ^2/NDF:1434260.6/17

Left: 109.465+/-0.015 χ^2/NDF: 2791095.8/35

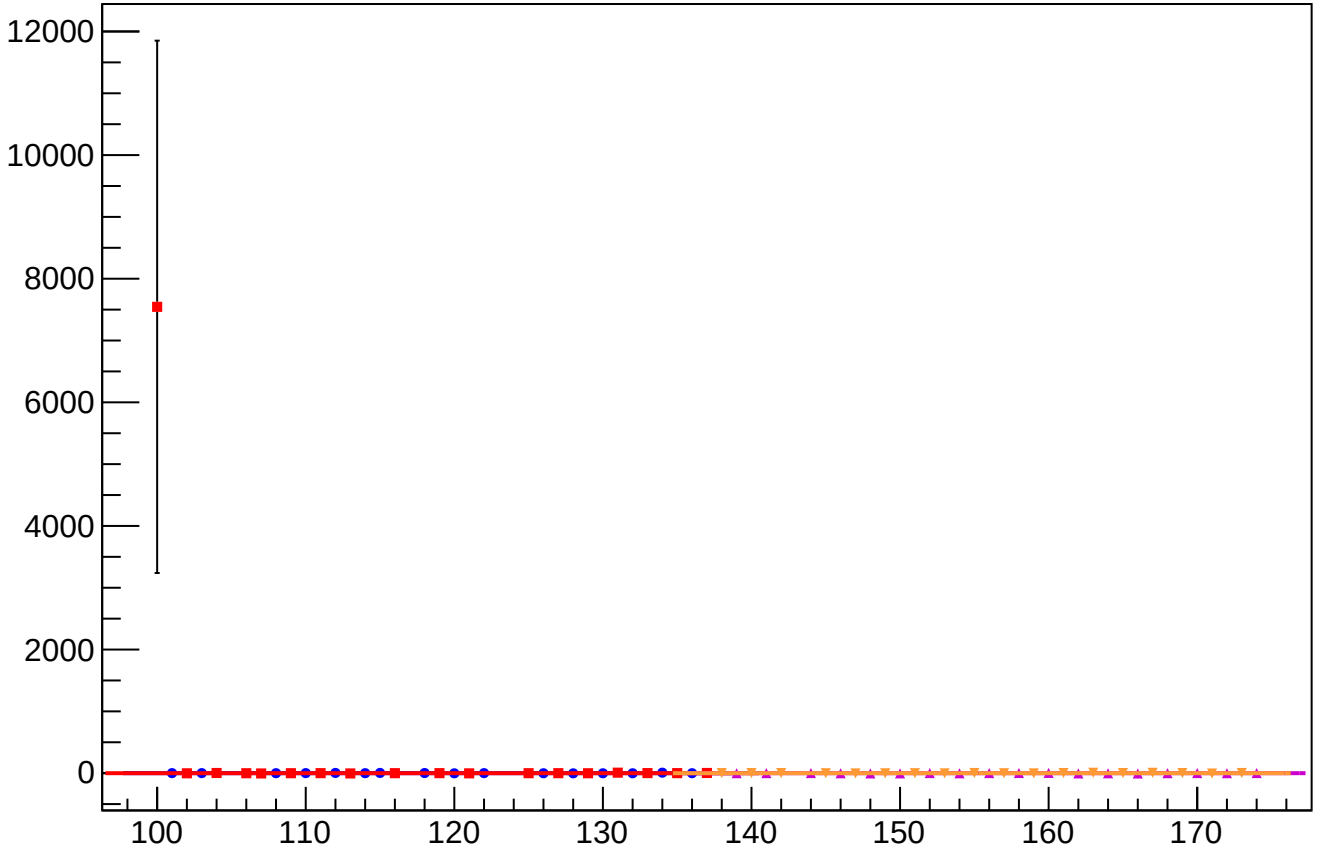
Right: 95.221+/-0.018 χ^2/NDF: 365453.7/33

In: 102.940+/-0.016 χ^2/NDF:1780416.0/33

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

All: 103.702+/-0.012 χ^2/NDF: 3515188.0/69

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: 0.051+/-0.544 χ^2/NDF:22.0/17

Left: -0.178+/-0.384 χ^2/NDF: 49.2/35

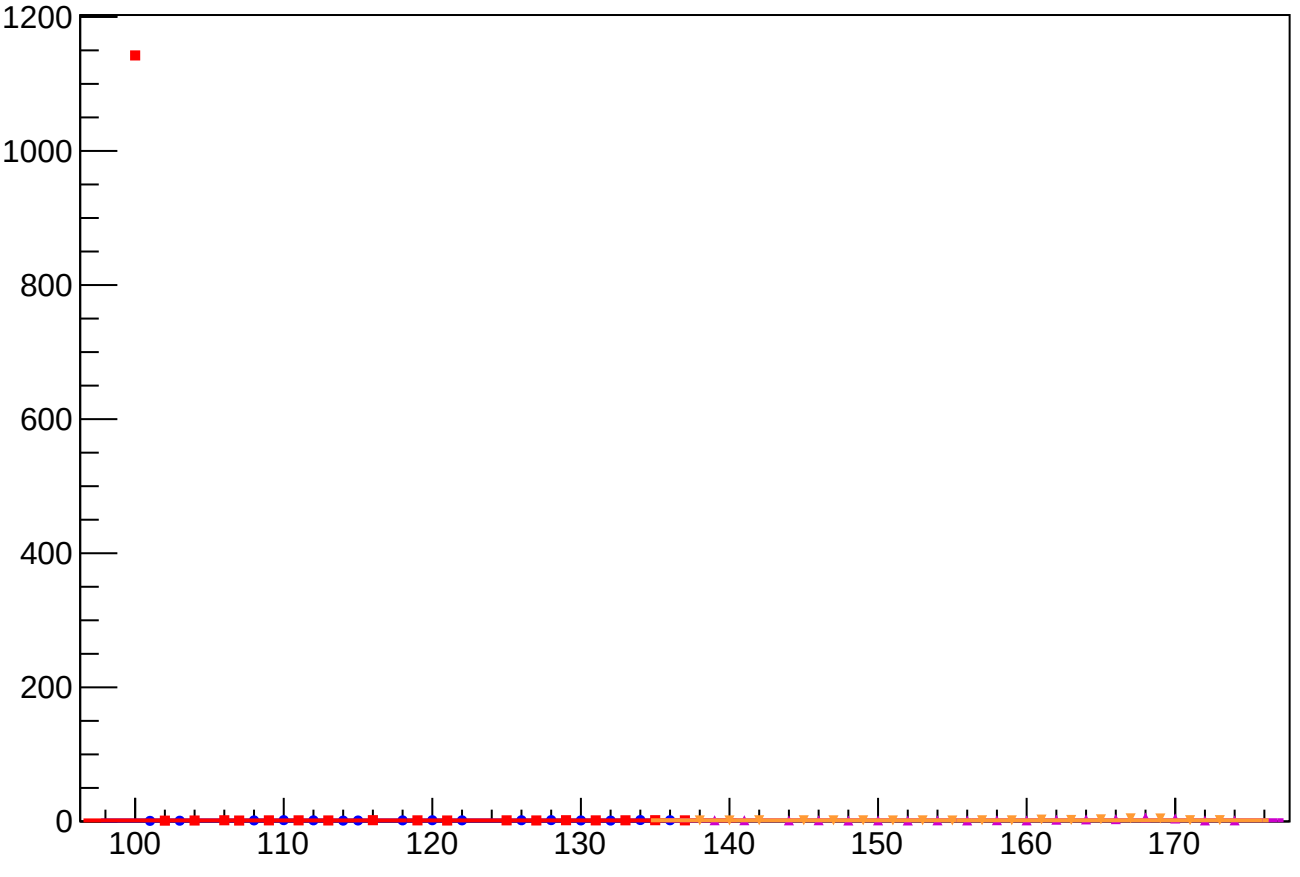
Right: 0.073+/-0.445 χ^2/NDF: 33.2/33

In: 0.215+/-0.408 χ^2/NDF:32.0/33

Out: -0.367+/-0.415 χ^2/NDF:49.6/35

All: -0.071+/-0.291 χ^2/NDF: 82.6/69

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: 1.807+/-0.000 χ^2/NDF:1793439.8/17

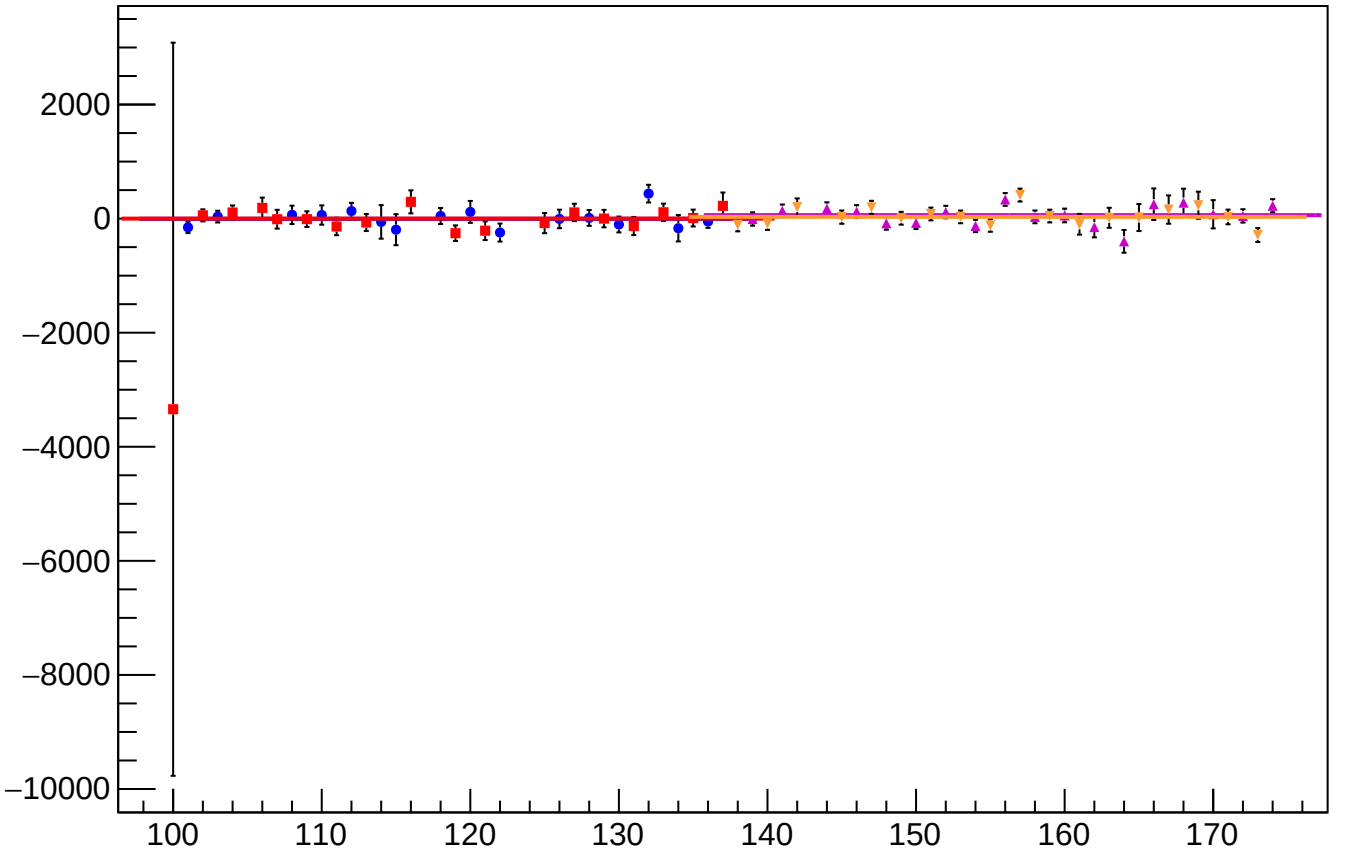
Left: 1.778+/-0.000 χ^2/NDF: 3286073.6/35

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

In: 1.637+/-0.000 χ^2/NDF:2969506.6/33

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

All: 1.653+/-0.000 χ^2/NDF: 4878870.4/69



Right In: -3.099+/-36.723 χ^2/NDF: 16.3/15

Left Out: 30.644+/-30.718 χ^2/NDF:27.4/17

Right Out: 0.172+/-36.709 χ^2/NDF: 13.5/17

Left In: 60.960+/-29.835 χ^2/NDF:24.7/17

Left: 46.244+/-21.402 χ^2/NDF: 52.6/35

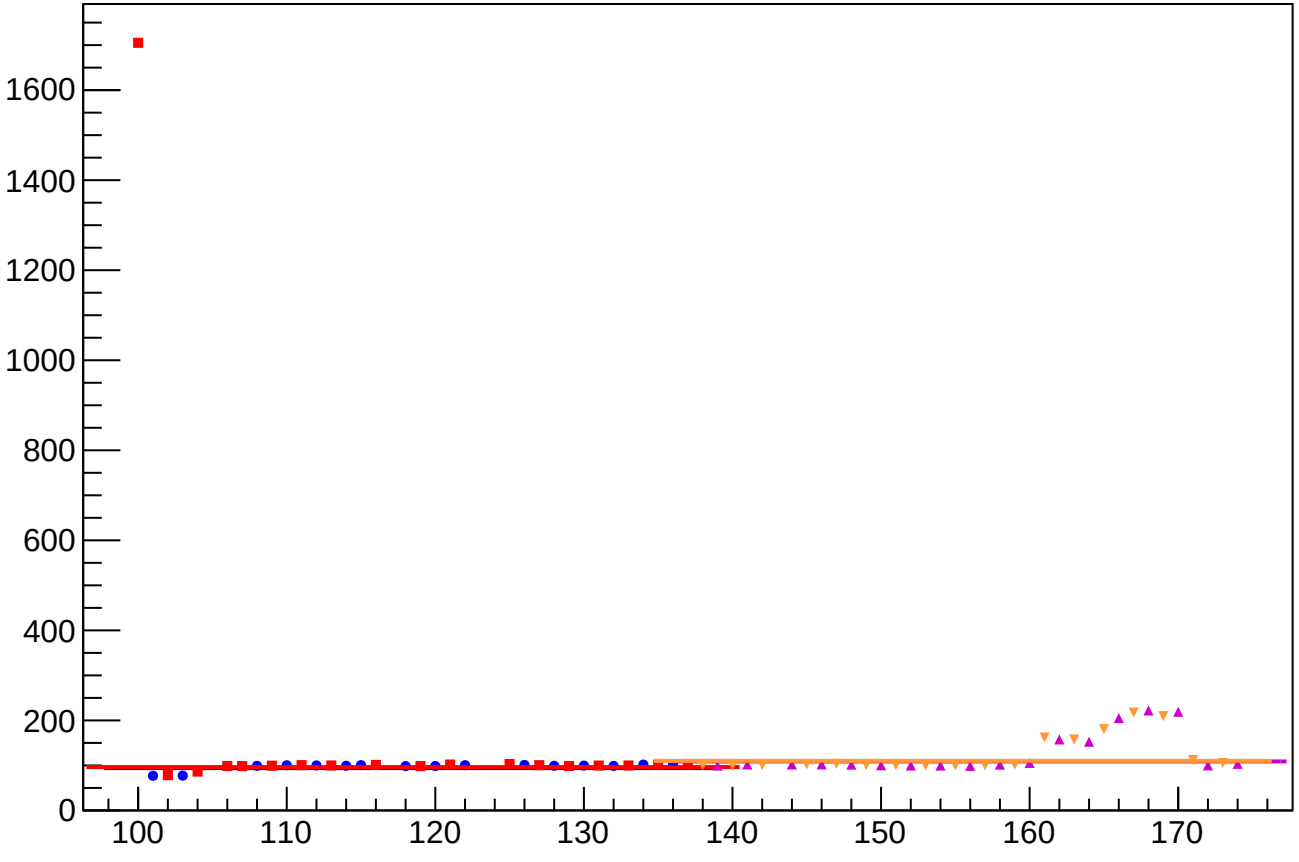
Right: -1.463+/-25.962 χ^2/NDF: 29.8/33

In: 35.490+/-23.156 χ^2/NDF:42.8/33

Out: 18.094+/-23.558 χ^2/NDF:41.4/35

All: 26.942+/-16.514 χ^2/NDF: 84.5/69

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: 108.825+/-0.021 χ^2/NDF:1435527.6/17

Left: 109.495+/-0.015 χ^2/NDF: 2793696.0/35

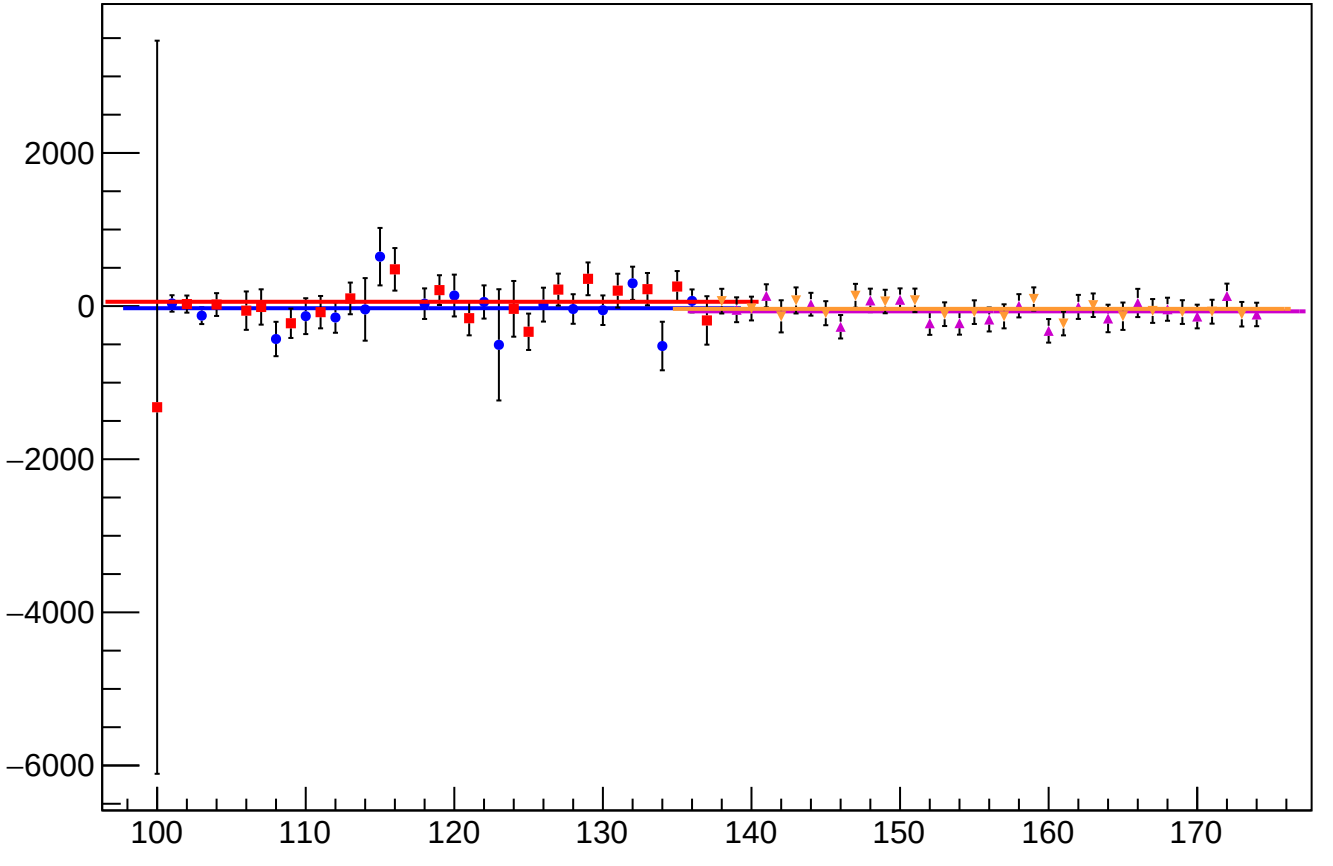
Right: 95.237+/-0.018 χ^2/NDF: 370551.8/33

In: 102.968+/-0.016 χ^2/NDF:1781739.5/33

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

All: 103.726+/-0.012 χ^2/NDF: 3523360.9/69

reg_asym_dsr_mean vs Slug, Sign Corrected



Right In: -27.840+/-46.777 χ^2/NDF: 14.3/16

Left Out: -36.140+/-36.505 χ^2/NDF:7.0/18

Right Out: 56.398+/-47.708 χ^2/NDF: 14.9/18

Left In: -68.676+/-36.780 χ^2/NDF:14.0/17

Left: -52.286+/-25.909 χ^2/NDF: 21.3/36

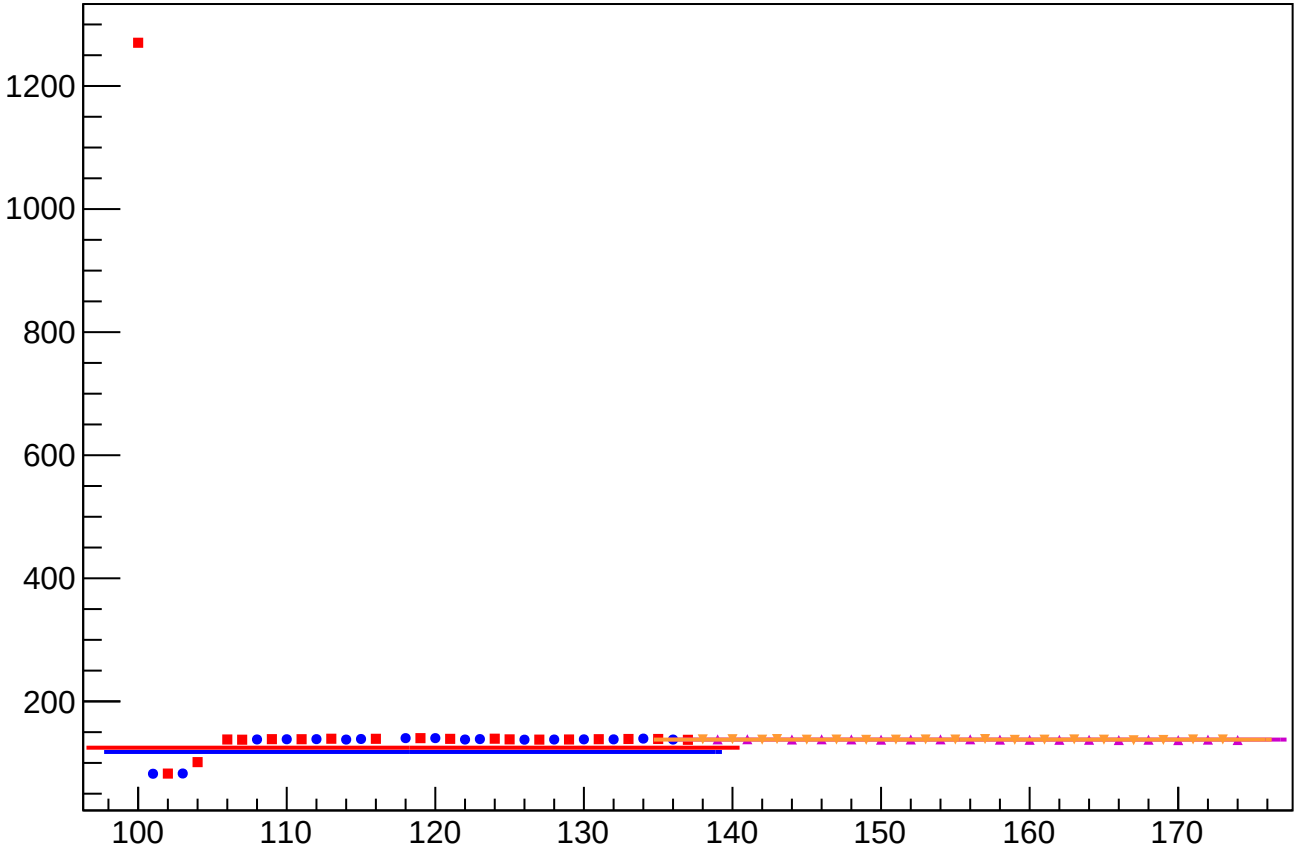
Right: 13.449+/-33.401 χ^2/NDF: 30.8/35

In: -53.075+/-28.913 χ^2/NDF:28.7/34

Out: -1.968+/-28.991 χ^2/NDF:24.2/37

All: -27.591+/-20.472 χ^2/NDF: 54.5/72

reg_asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.815+/-0.033 χ^2/NDF: 666581.7/16

Left Out: 137.923+/-0.026 χ^2/NDF:329.0/18

Right Out: 124.763+/-0.034 χ^2/NDF: 569771.6/18

Left In: 137.928+/-0.026 χ^2/NDF:262.9/17

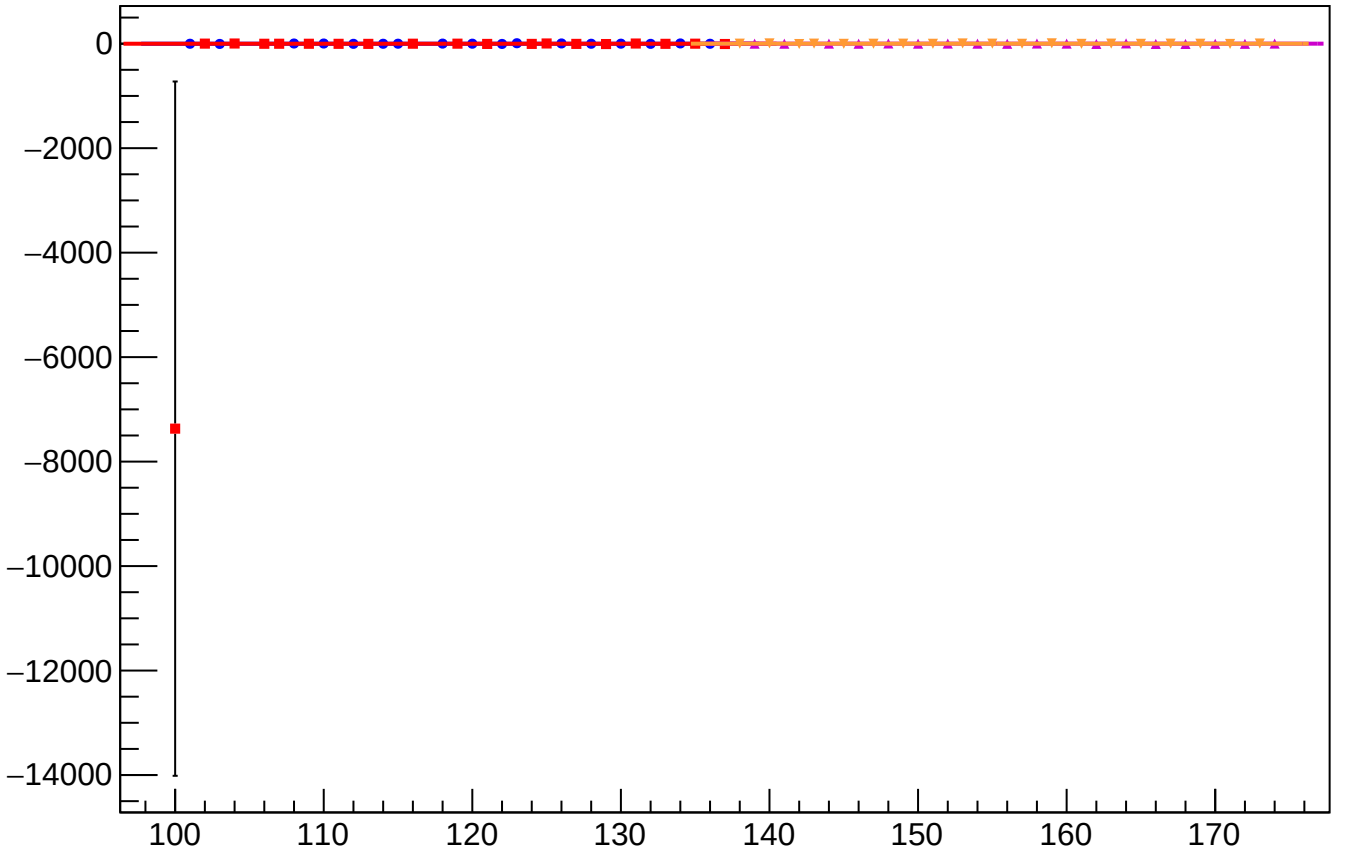
Left: 137.926+/-0.018 χ^2/NDF: 591.8/36

Right: 121.221+/-0.024 χ^2/NDF: 1257984.7/35

In: 130.244+/-0.020 χ^2/NDF:895353.3/34

Out: 133.064+/-0.021 χ^2/NDF:666078.7/37

All: 131.650+/-0.014 χ^2/NDF: 1570915.2/72



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: 0.599+/-0.645 χ^2/NDF:17.0/17

Left: 0.482+/-0.453 χ^2/NDF: 41.3/36

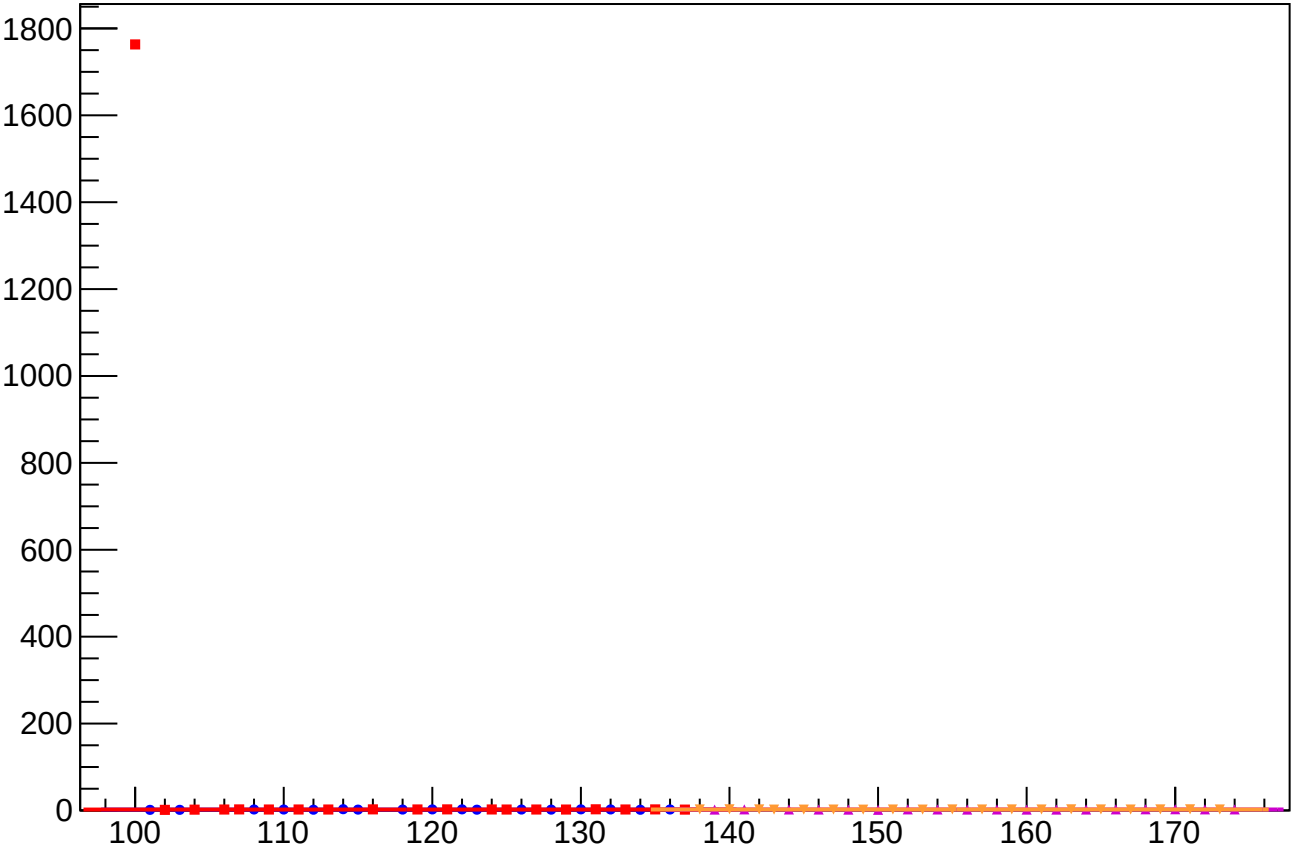
Right: -0.673+/-0.587 χ^2/NDF: 26.3/35

In: 0.097+/-0.505 χ^2/NDF:31.2/34

Out: 0.002+/-0.510 χ^2/NDF:38.8/37

All: 0.050+/-0.359 χ^2/NDF: 70.0/72

asym_dsr_correction_rms vs Slug, Sign Corrected



Right In: 1.869+/-0.001 χ^2/NDF: 493173.6/16

Left Out: 2.212+/-0.000 χ^2/NDF:258972.5/18

Right Out: 2.065+/-0.001 χ^2/NDF: 525497.0/18

Left In: 2.188+/-0.000 χ^2/NDF:482941.9/17

Left: 2.200+/-0.000 χ^2/NDF: 743412.9/36

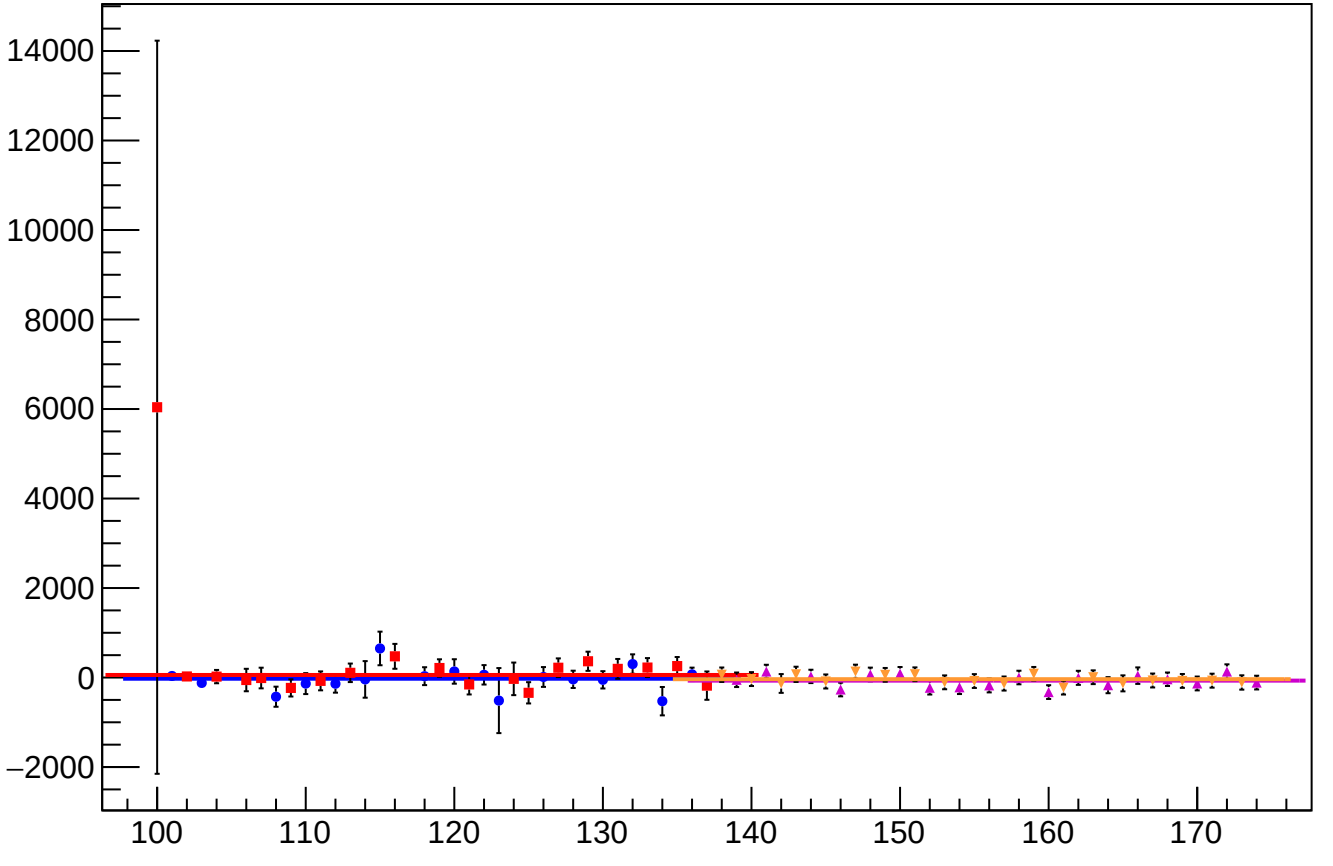
Right: 1.962+/-0.000 χ^2/NDF: 1074296.8/35

In: 2.064+/-0.000 χ^2/NDF:1165201.1/34

Out: 2.160+/-0.000 χ^2/NDF:822859.9/37

All: 2.111+/-0.000 χ^2/NDF: 2023468.0/72

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: -68.977+/-36.790 χ^2/NDF:14.1/17

Left: -52.879+/-25.917 χ^2/NDF: 21.1/36

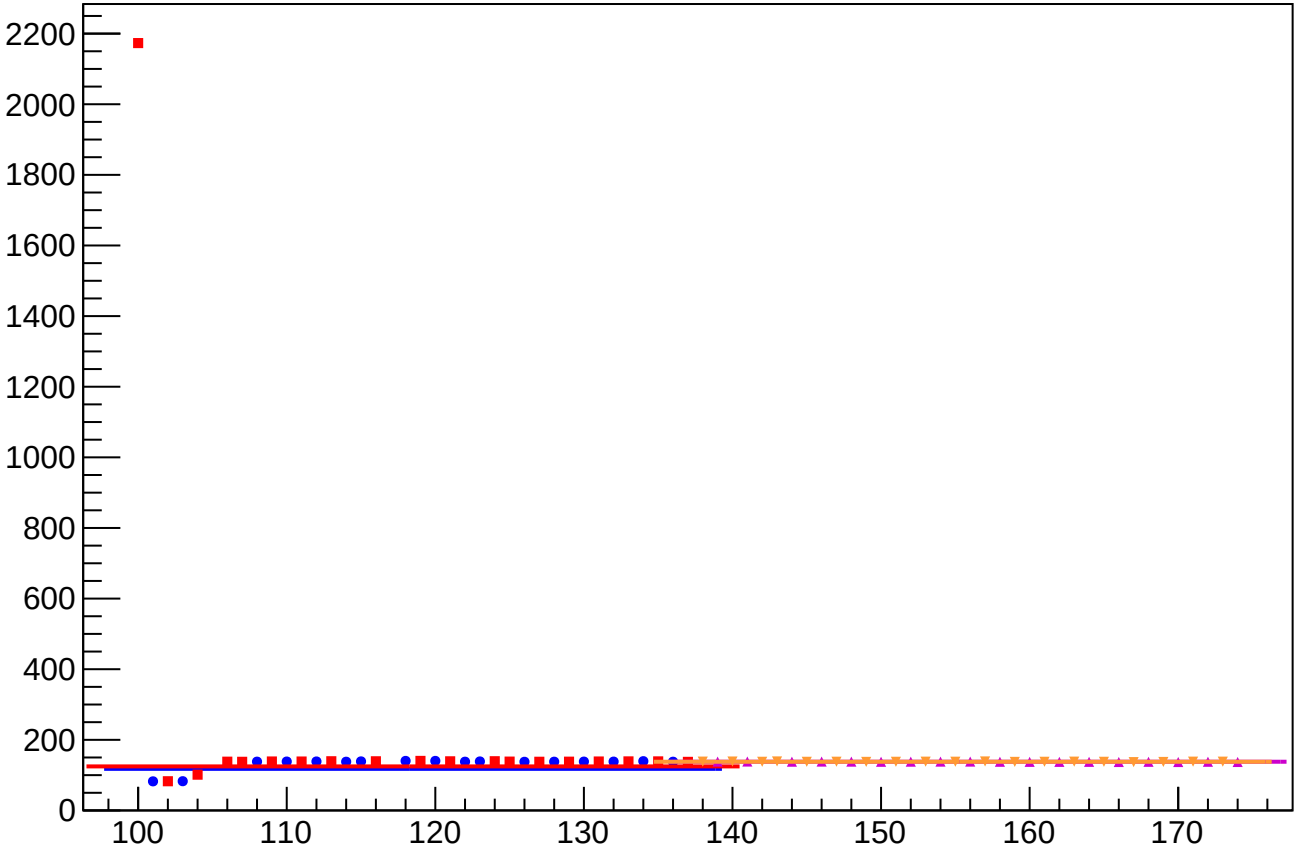
Right: 14.681+/-33.410 χ^2/NDF: 31.4/35

In: -52.657+/-28.921 χ^2/NDF:28.9/34

Out: -2.204+/-29.000 χ^2/NDF:24.7/37

All: -27.499+/-20.478 χ^2/NDF: 55.1/72

asym_dsr_rms vs Slug, Sign Corrected



Right In: 117.847+/-0.033 χ^2/NDF: 666622.8/16

Left Out: 137.960+/-0.026 χ^2/NDF:328.9/18

Right Out: 124.752+/-0.034 χ^2/NDF: 580350.4/18

Left In: 137.967+/-0.026 χ^2/NDF:259.6/17

Left: 137.964+/-0.018 χ^2/NDF: 588.6/36

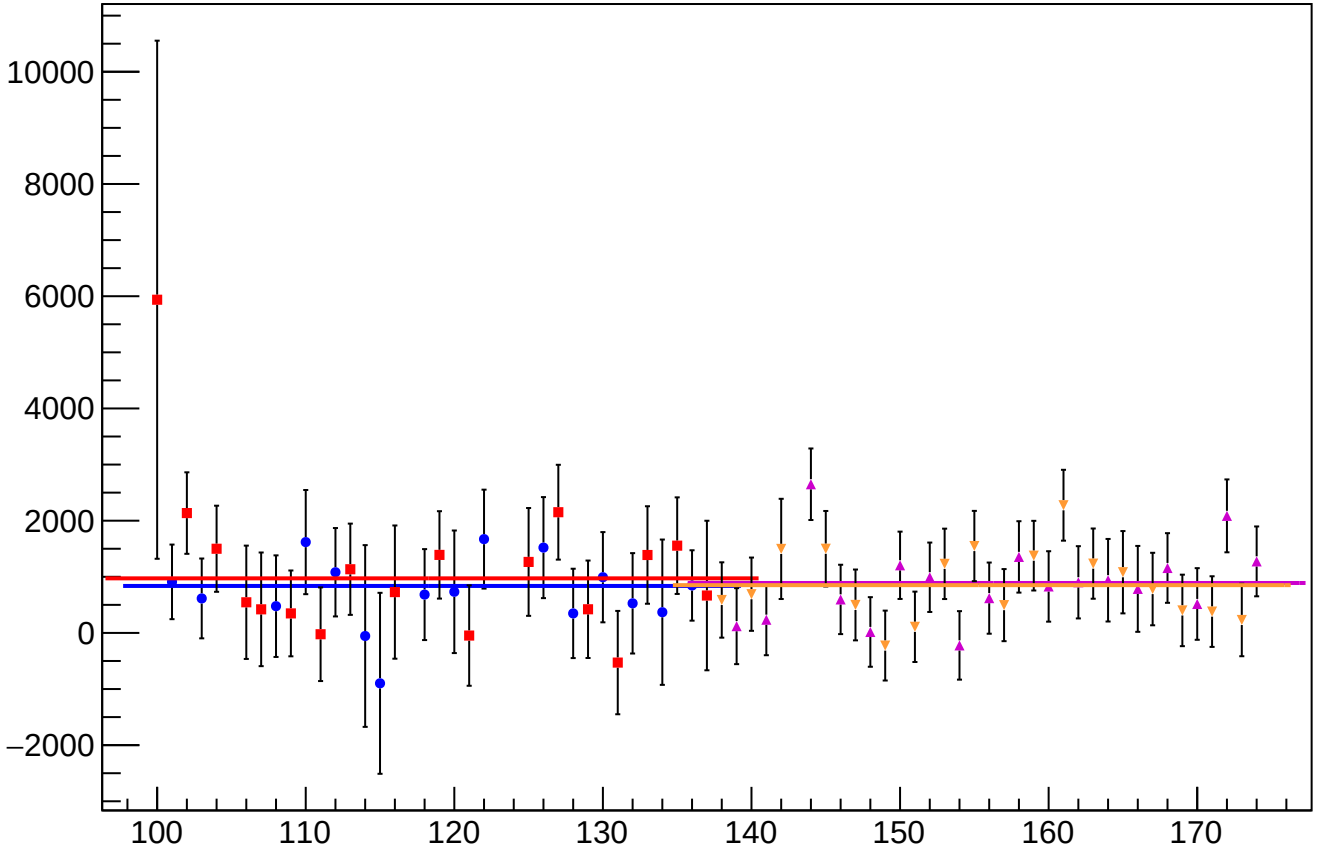
Right: 121.231+/-0.024 χ^2/NDF: 1268326.7/35

In: 130.280+/-0.020 χ^2/NDF:895425.6/34

Out: 133.083+/-0.021 χ^2/NDF:677304.0/37

All: 131.678+/-0.014 χ^2/NDF: 1582096.2/72

reg_asym_left_avg_mean vs Slug, Sign Corrected



Right In: 837.048+/-216.181 χ^2/NDF: 4.7/15

Left Out: 851.325+/-153.440 χ^2/NDF:16.6/17

Right Out: 972.425+/-212.746 χ^2/NDF: 14.3/17

Left In: 889.955+/-150.911 χ^2/NDF:20.9/17

Left: 870.961+/-107.593 χ^2/NDF: 37.5/35

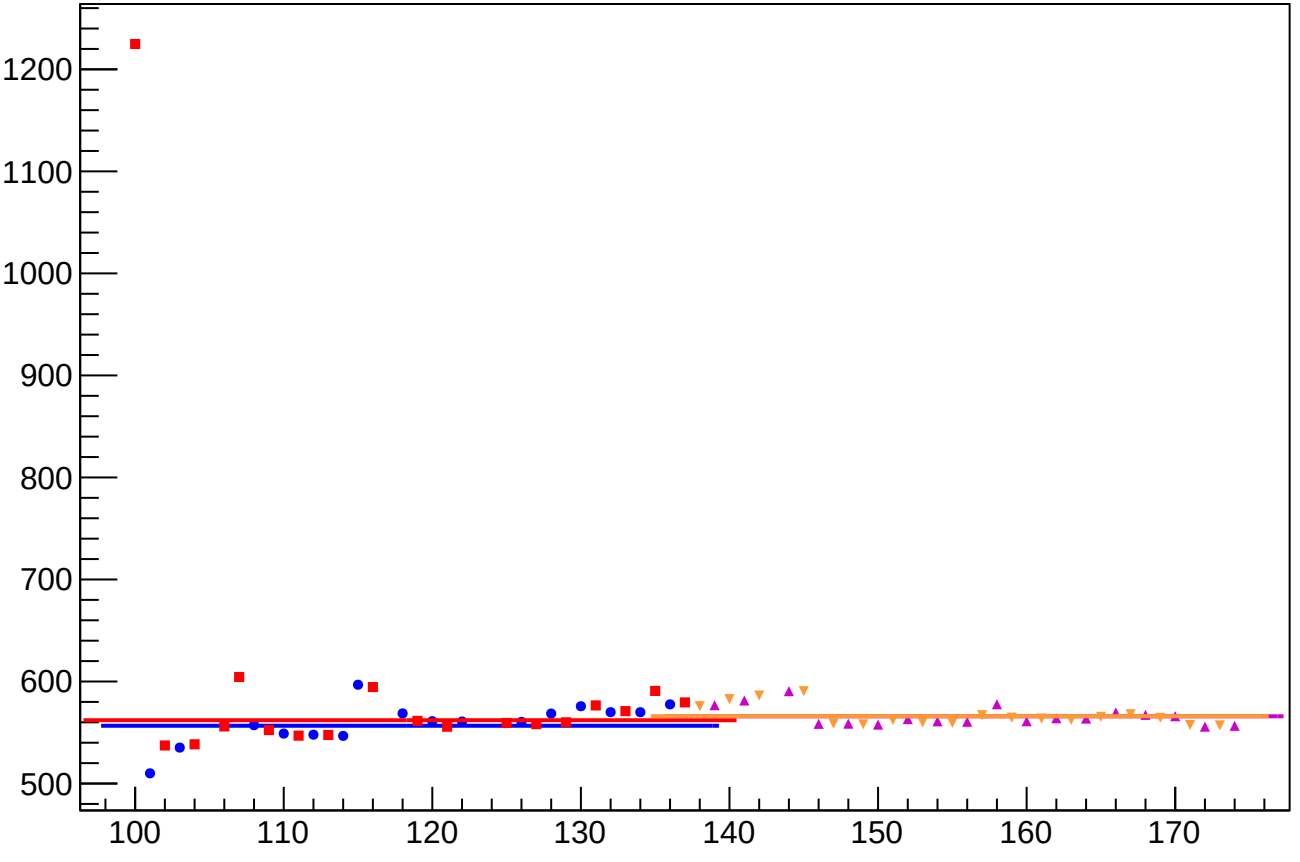
Right: 905.821+/-151.634 χ^2/NDF: 19.2/33

In: 872.620+/-123.743 χ^2/NDF:25.6/33

Out: 892.764+/-124.449 χ^2/NDF:31.0/35

All: 882.635+/-87.748 χ^2/NDF: 56.7/69

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: 565.889+/-0.107 χ^2/NDF:7781.6/17

Left: 565.938+/-0.076 χ^2/NDF: 15182.8/35

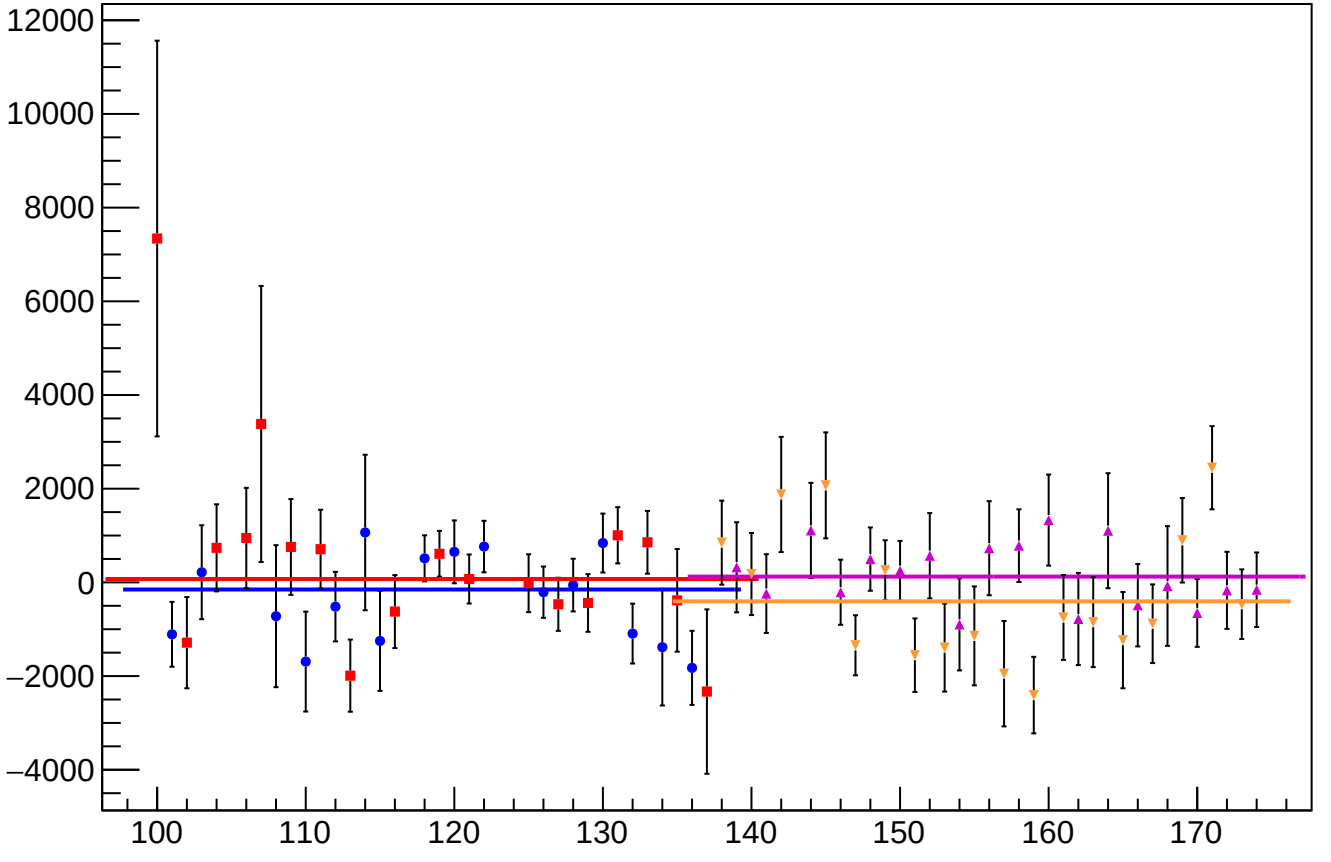
Right: 559.386+/-0.107 χ^2/NDF: 74603.5/33

In: 562.858+/-0.087 χ^2/NDF:28636.1/33

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

All: 563.744+/-0.062 χ^2/NDF: 92269.6/69

asym_left_avg_correction_mean vs Slug, Sign Corrected



Right In: -151.876+/-180.078 χ^2/NDF: 22.3/15

Left Out: -405.150+/-205.053 χ^2/NDF:39.2/17

Right Out: 71.760+/-178.665 χ^2/NDF: 25.0/17

Left In: 123.397+/-201.136 χ^2/NDF:9.1/17

Left: -135.781+/-143.589 χ^2/NDF: 51.7/35

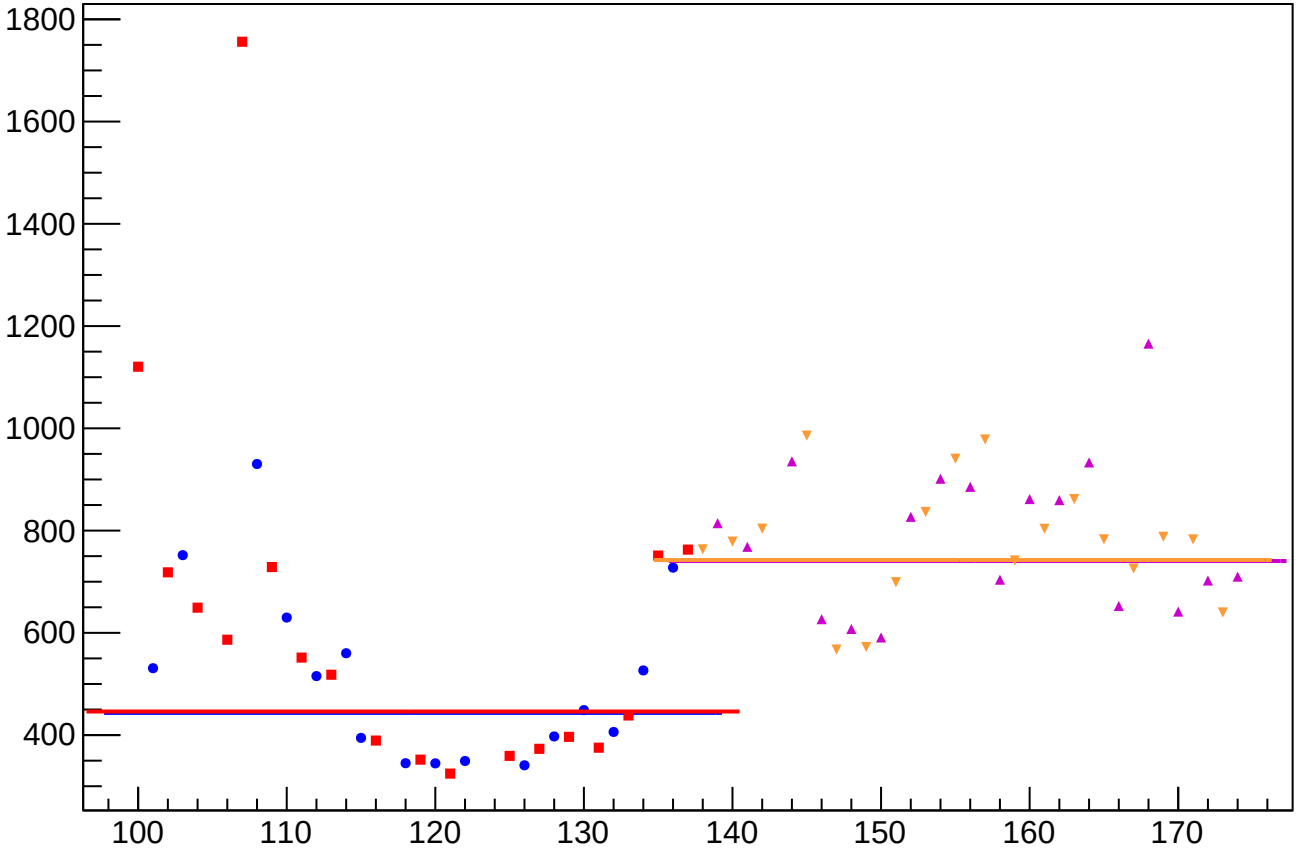
Right: -39.177+/-126.832 χ^2/NDF: 48.1/33

In: -29.399+/-134.164 χ^2/NDF:32.4/33

Out: -134.053+/-134.705 χ^2/NDF:67.3/35

All: -81.516+/-95.059 χ^2/NDF: 100.0/69

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: 740.477+/-0.142 χ^2/NDF:842492.8/17

Left: 741.427+/-0.102 χ^2/NDF: 1510820.2/35

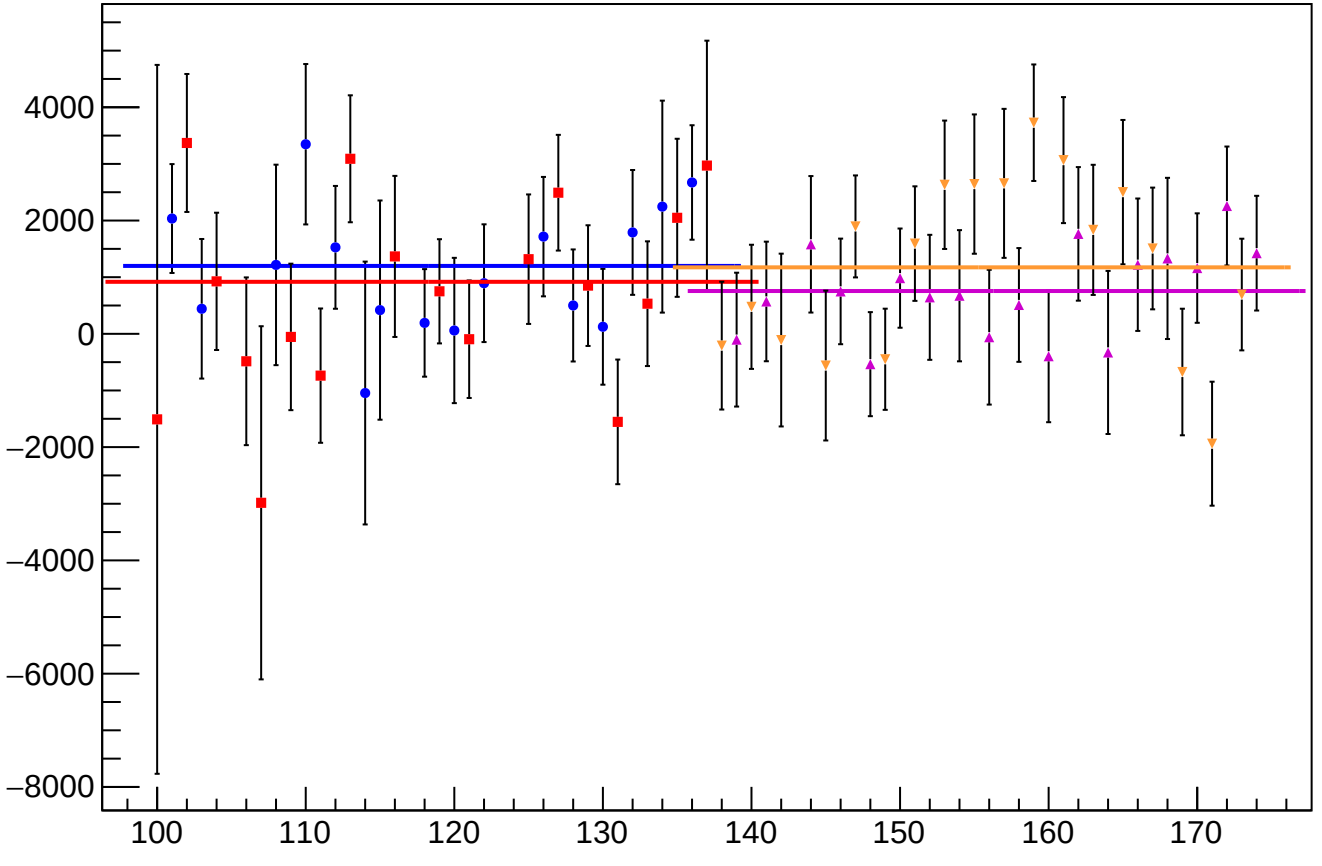
Right: 444.809+/-0.090 χ^2/NDF: 2521153.2/33

In: 575.606+/-0.095 χ^2/NDF:4324387.9/33

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

All: 574.808+/-0.067 χ^2/NDF: 8826072.4/69

asym_left_avg_mean vs Slug, Sign Corrected



Right In: 1198.972+/-295.243 χ^2/NDF: 11.2/15

Left Out: 1173.758+/-260.278 χ^2/NDF:34.4/17

Right Out: 918.412+/-293.294 χ^2/NDF: 23.2/17

Left In: 755.744+/-255.452 χ^2/NDF:8.9/17

Left: 960.840+/-182.314 χ^2/NDF: 44.6/35

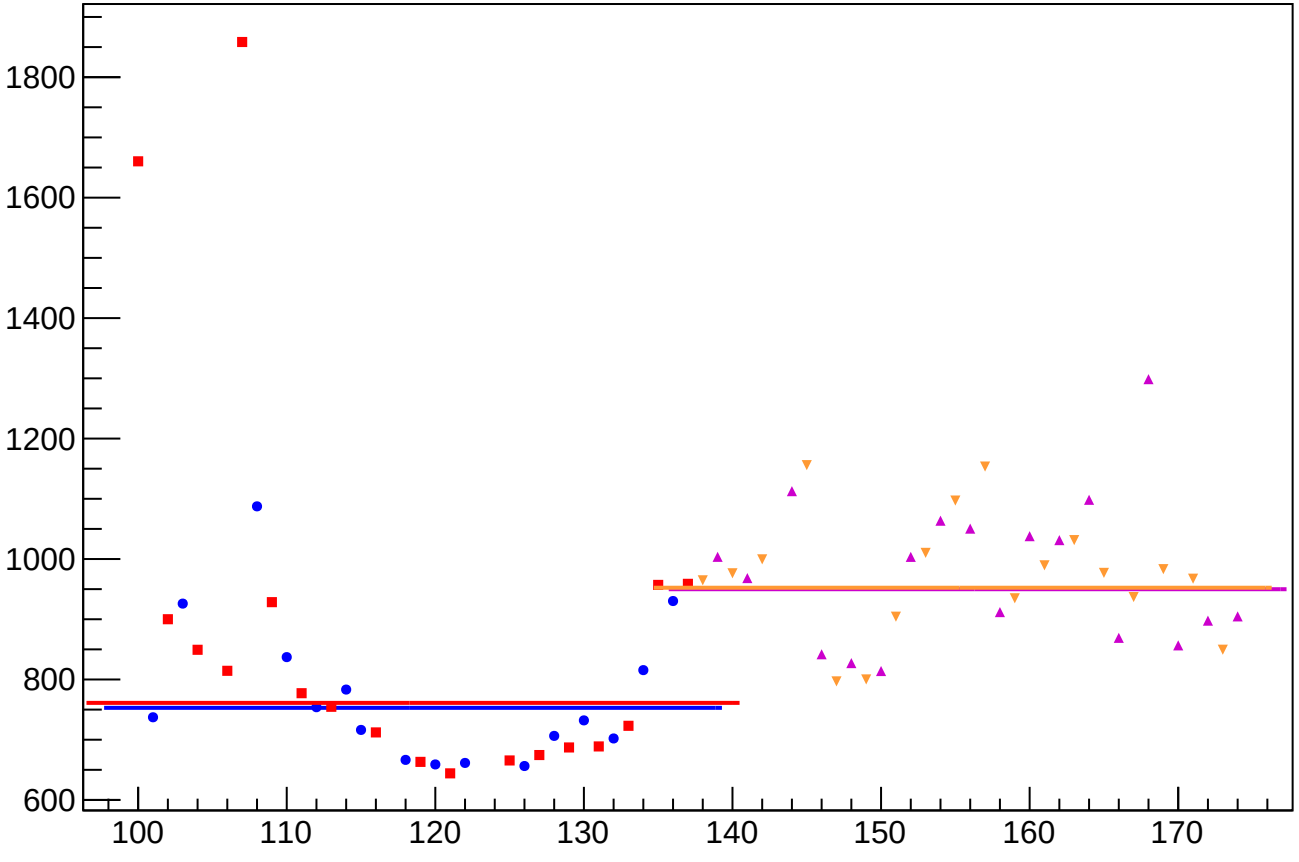
Right: 1057.763+/-208.076 χ^2/NDF: 34.9/33

In: 945.498+/-193.180 χ^2/NDF:21.4/33

Out: 1061.261+/-194.675 χ^2/NDF:58.1/35

All: 1002.933+/-137.124 χ^2/NDF: 79.6/69

asym_left_avg_rms vs Slug, Sign Corrected



Right In: 752.937+/-0.209 χ^2/NDF: 252526.4/15

Left Out: 952.345+/-0.184 χ^2/NDF:289647.7/17

Right Out: 761.160+/-0.207 χ^2/NDF: 517136.7/17

Left In: 949.874+/-0.181 χ^2/NDF:392584.5/17

Left: 951.086+/-0.129 χ^2/NDF: 682324.0/35

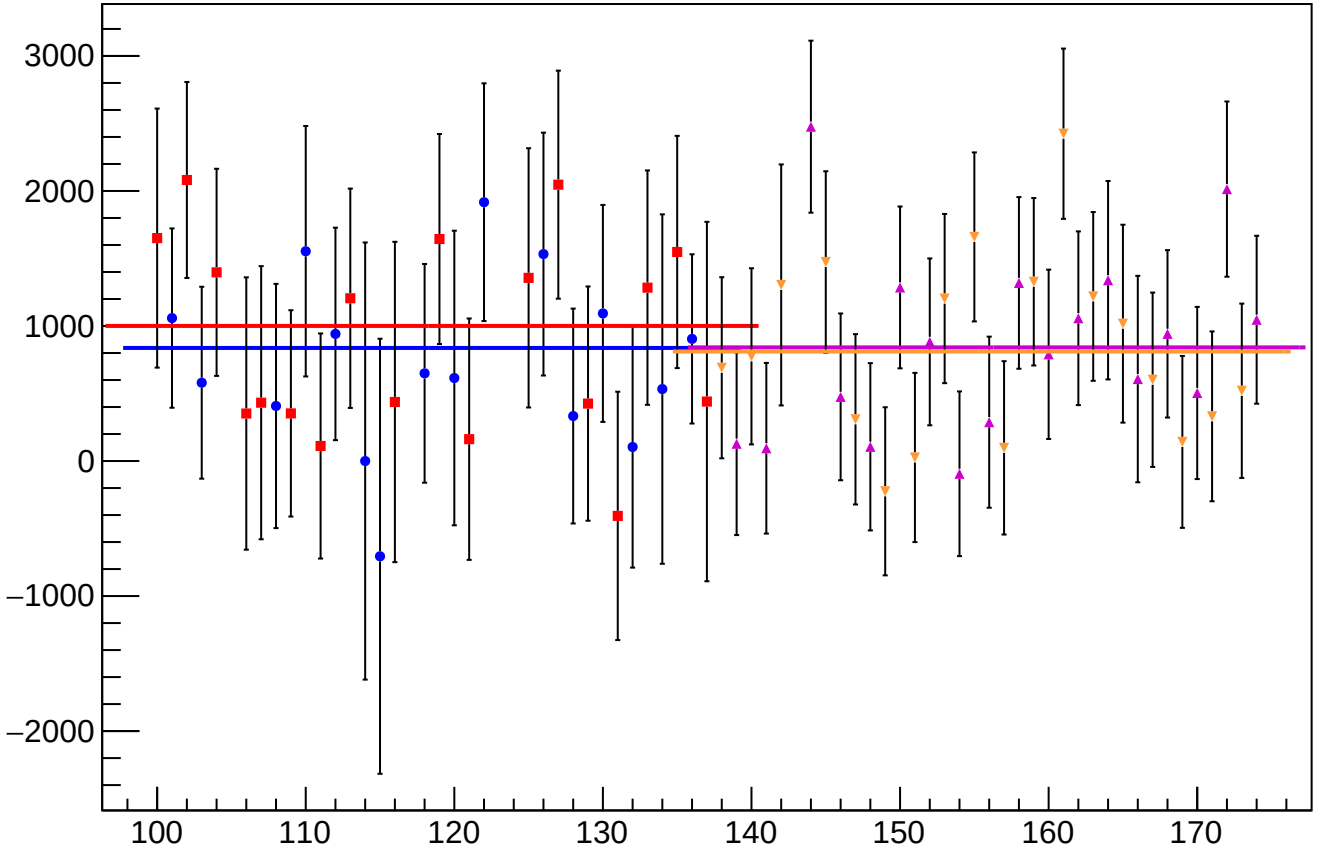
Right: 757.076+/-0.147 χ^2/NDF: 770443.9/33

In: 865.561+/-0.137 χ^2/NDF:1154005.2/33

Out: 868.115+/-0.138 χ^2/NDF:1282203.4/35

All: 866.828+/-0.097 χ^2/NDF: 2436382.0/69

reg_asym_left_dd_mean vs Slug, Sign Corrected



Right In: 837.557+/-216.015 χ^2/NDF: 5.7/15

Left Out: 811.131+/-153.313 χ^2/NDF:19.5/17

Right Out: 1000.617+/-207.748 χ^2/NDF: 12.5/17

Left In: 841.721+/-150.786 χ^2/NDF:19.4/17

Left: 826.680+/-107.504 χ^2/NDF: 39.0/35

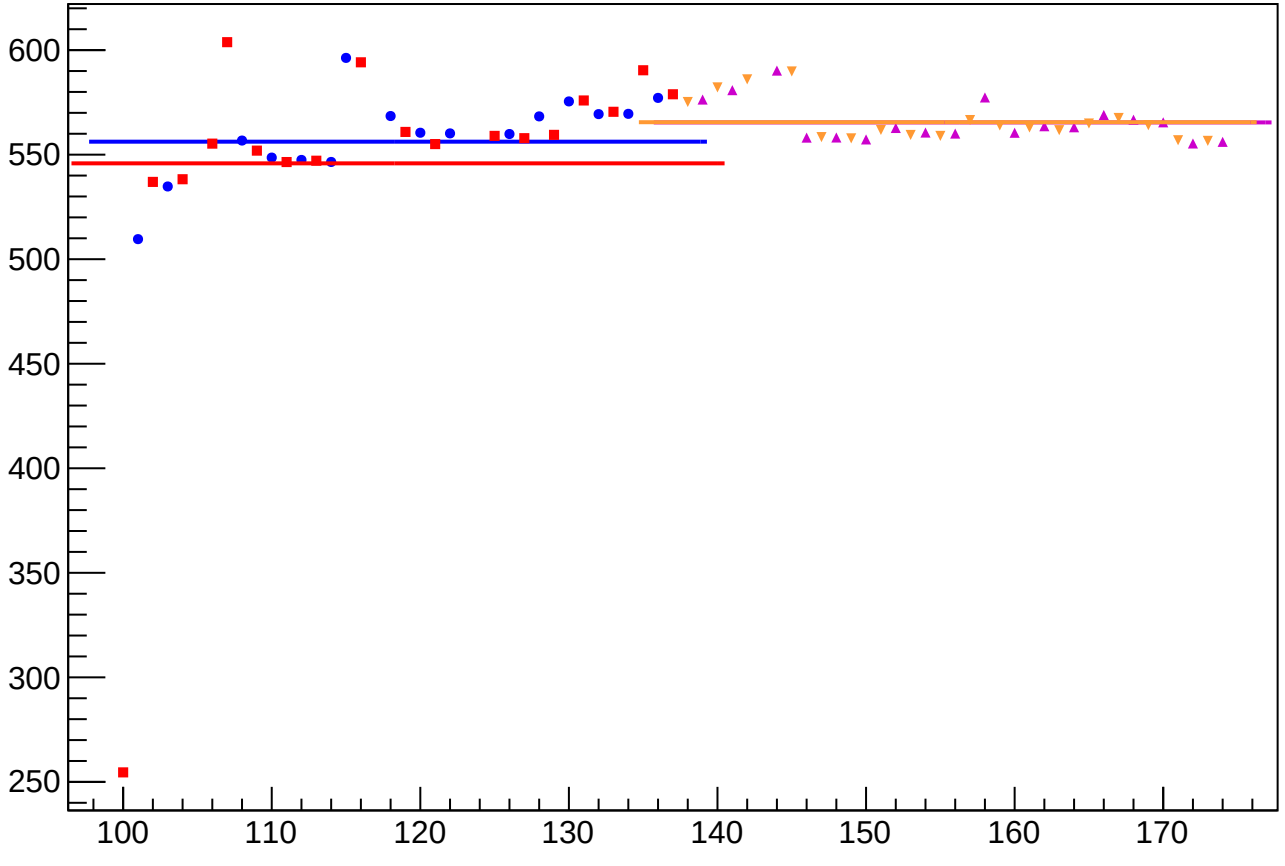
Right: 922.267+/-149.737 χ^2/NDF: 18.5/33

In: 840.357+/-123.643 χ^2/NDF:25.2/33

Out: 877.941+/-123.358 χ^2/NDF:32.6/35

All: 859.192+/-87.328 χ^2/NDF: 57.8/69

reg_asym_left_dd_rms vs Slug, Sign Corrected



Right In: 556.210+/-0.153 χ^2/NDF: 18417.4/15

Left Out: 565.519+/-0.108 χ^2/NDF:7336.2/17

Right Out: 545.844+/-0.147 χ^2/NDF: 207640.3/17

Left In: 565.421+/-0.107 χ^2/NDF:7811.9/17

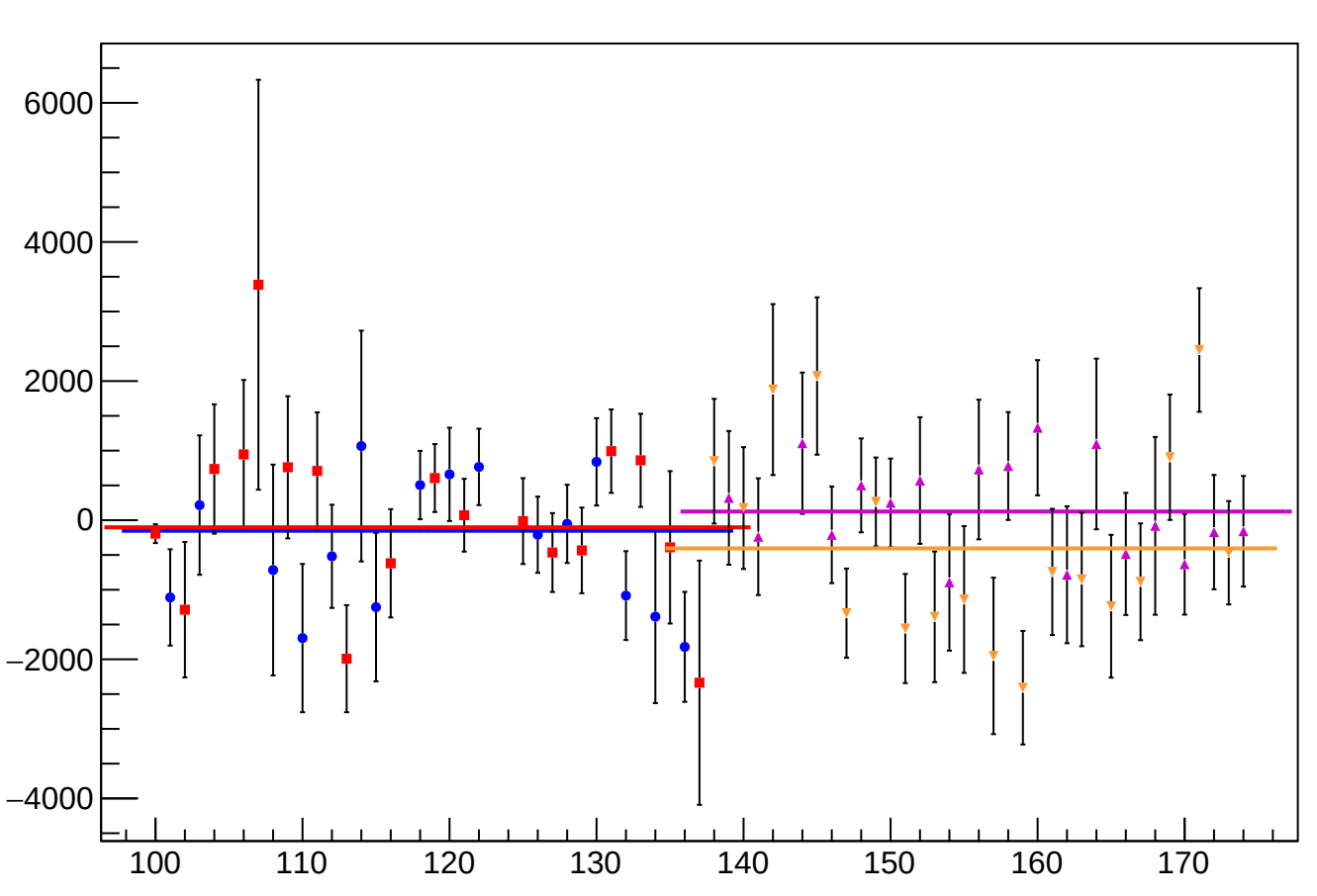
Left: 565.469+/-0.076 χ^2/NDF: 15148.5/35

Right: 550.825+/-0.106 χ^2/NDF: 228450.1/33

In: 562.403+/-0.087 χ^2/NDF:28674.0/33

Out: 558.582+/-0.087 χ^2/NDF:226589.9/35

All: 560.488+/-0.062 χ^2/NDF: 256221.1/69



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: 124.394+/-201.047 χ^2/NDF:9.0/17

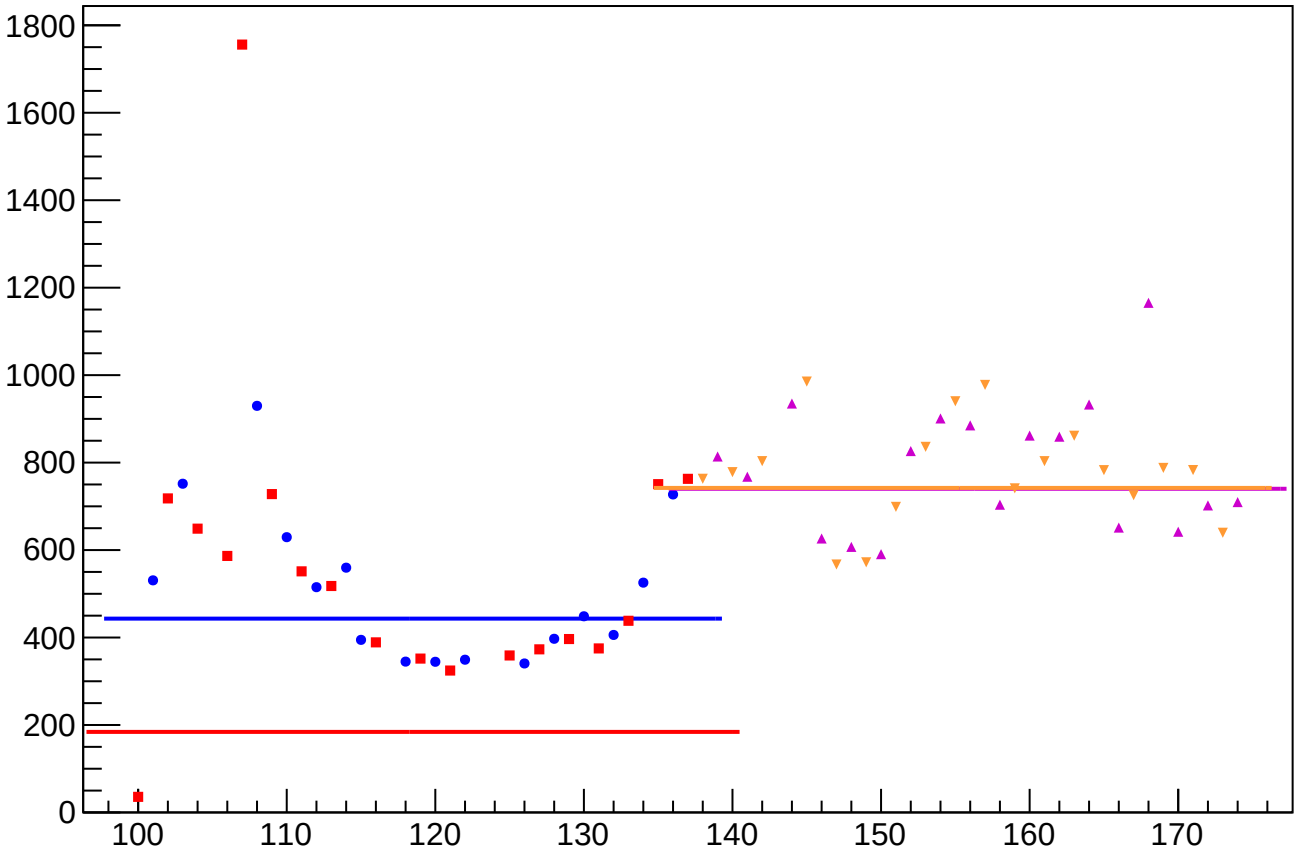
Left: -135.200+/-143.527 χ^2/NDF: 51.7/35

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

In: -28.730+/-134.101 χ^2/NDF:32.3/33

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

All: -120.991+/-77.706 χ^2/NDF: 97.2/69



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: 740.145+/-0.142 χ^2/NDF:842679.6/17

Left: 741.112+/-0.101 χ^2/NDF: 1511656.6/35

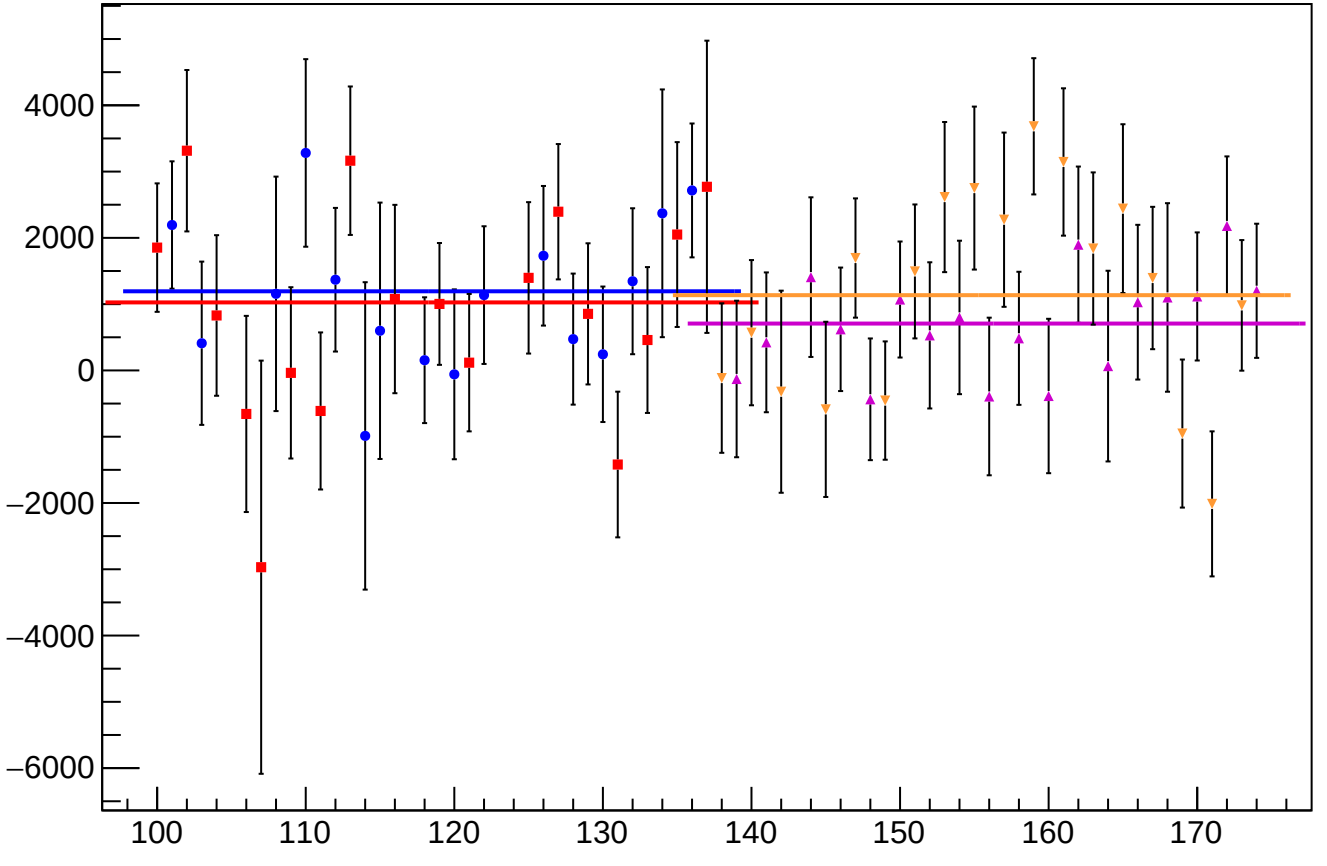
Right: 252.512+/-0.065 χ^2/NDF: 12190461.3/33

In: 575.335+/-0.095 χ^2/NDF:4324683.9/33

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

All: 395.729+/-0.055 χ^2/NDF: 30085888.0/69

asym_left_dd_mean vs Slug, Sign Corrected



Right In: 1193.849+/-295.046 χ^2/NDF: 11.2/15

Left Out: 1135.391+/-260.129 χ^2/NDF:34.7/17

Right Out: 1026.130+/-280.822 χ^2/NDF: 22.5/17

Left In: 707.109+/-255.303 χ^2/NDF:8.2/17

Left: 917.240+/-182.209 χ^2/NDF: 44.3/35

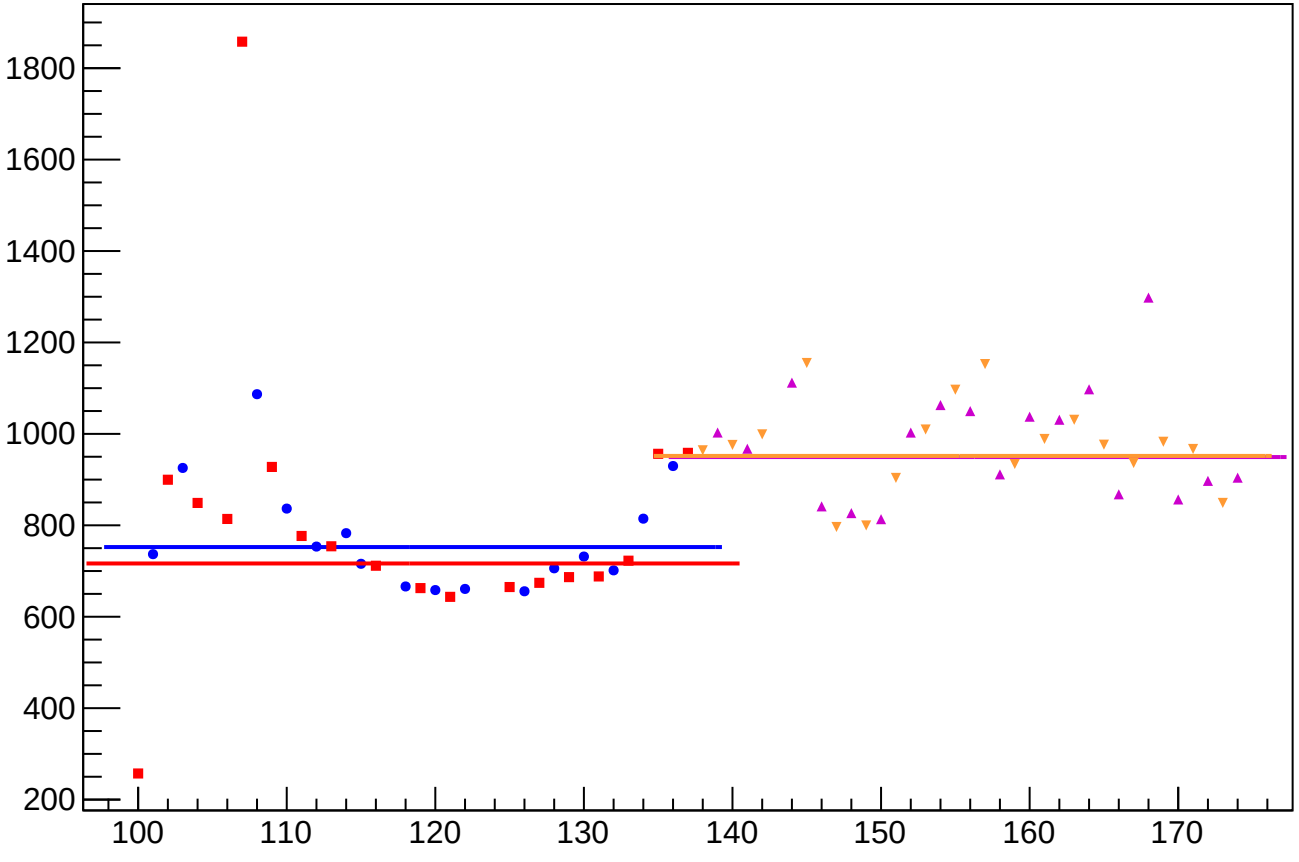
Right: 1105.849+/-203.414 χ^2/NDF: 33.9/33

In: 915.512+/-193.060 χ^2/NDF:20.9/33

Out: 1084.934+/-190.836 χ^2/NDF:57.3/35

All: 1001.204+/-135.721 χ^2/NDF: 78.6/69

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: 949.312+/-0.181 χ^2/NDF:392816.0/17

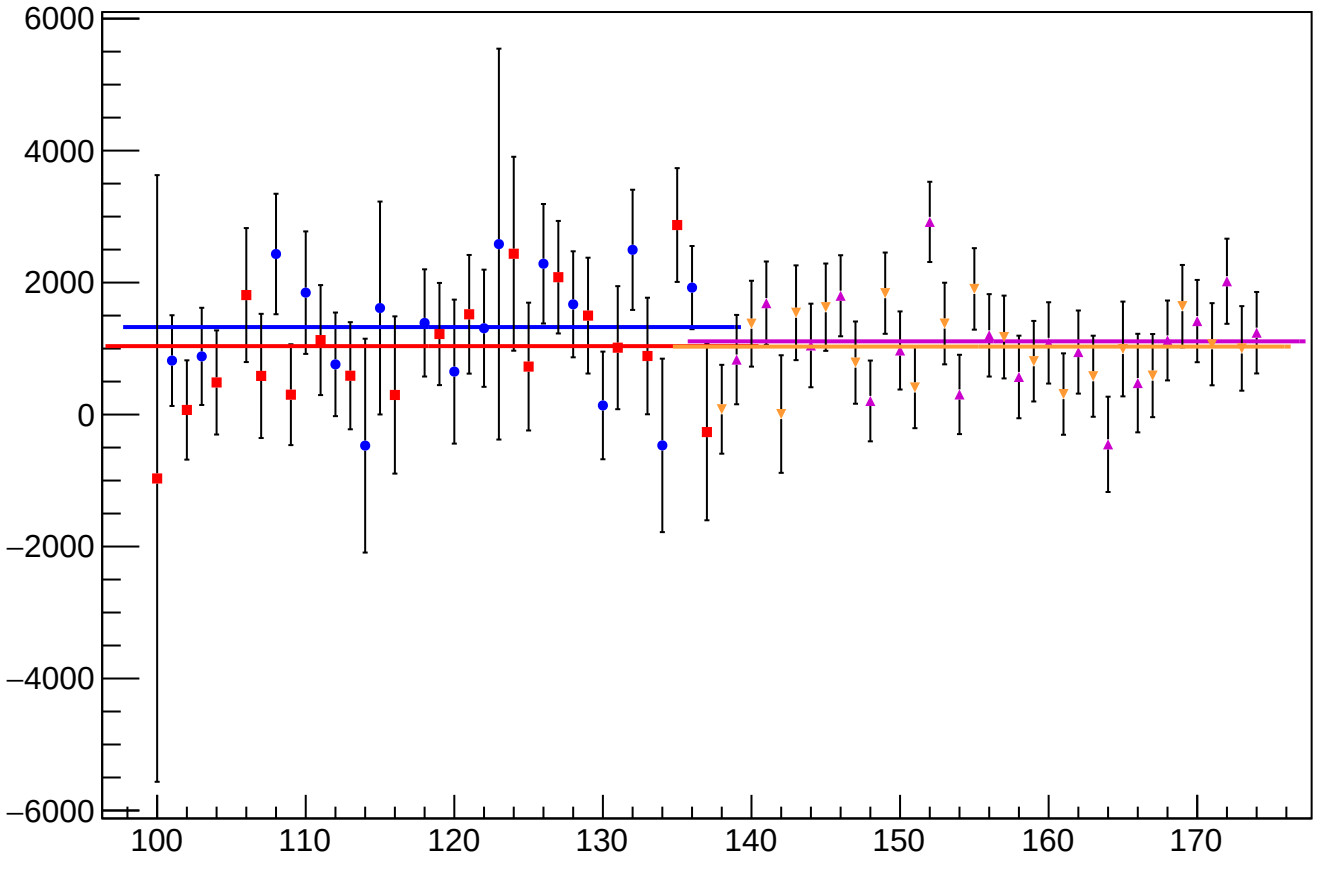
Left: 950.539+/-0.129 χ^2/NDF: 682488.7/35

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

In: 865.014+/-0.137 χ^2/NDF:1154787.1/33

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

All: 853.958+/-0.096 χ^2/NDF: 3179912.3/69



Right In: 1325.776+/-218.106 χ^2/NDF: 12.9/16

Left Out: 1029.984+/-147.966 χ^2/NDF:13.7/18

Right Out: 1037.028+/-211.583 χ^2/NDF: 13.4/18

Left In: 1109.523+/-148.827 χ^2/NDF:23.7/17

Left: 1069.523+/-104.931 χ^2/NDF: 37.5/36

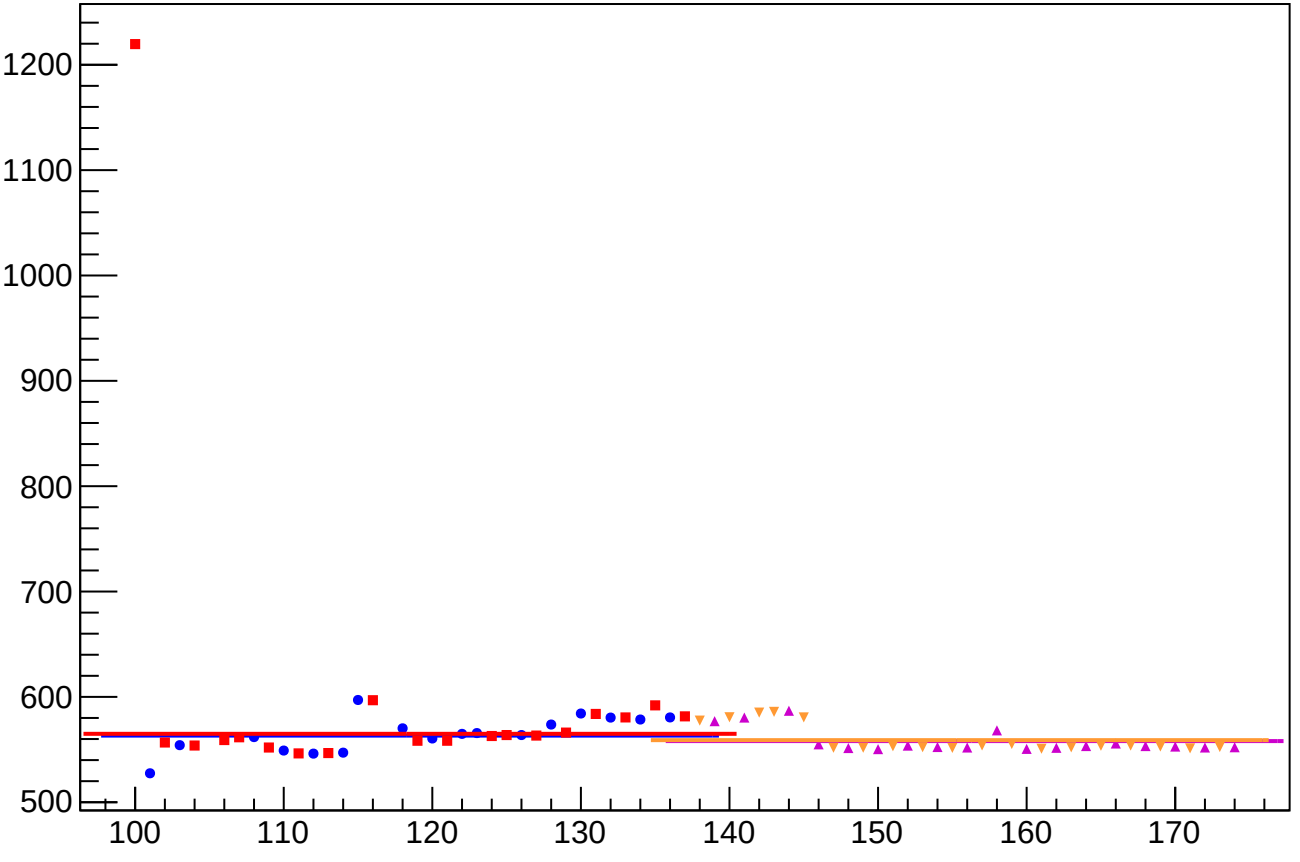
Right: 1177.020+/-151.865 χ^2/NDF: 27.2/35

In: 1178.225+/-122.934 χ^2/NDF:37.2/34

Out: 1032.298+/-121.257 χ^2/NDF:27.1/37

All: 1104.259+/-86.328 χ^2/NDF: 65.0/72

reg_asym_right_avg_rms vs Slug, Sign Corrected



Right In: 563.266+/-0.154 χ^2/NDF: 12520.3/16

Left Out: 558.931+/-0.105 χ^2/NDF:13381.8/18

Right Out: 564.944+/-0.150 χ^2/NDF: 49295.9/18

Left In: 558.045+/-0.105 χ^2/NDF:11020.0/17

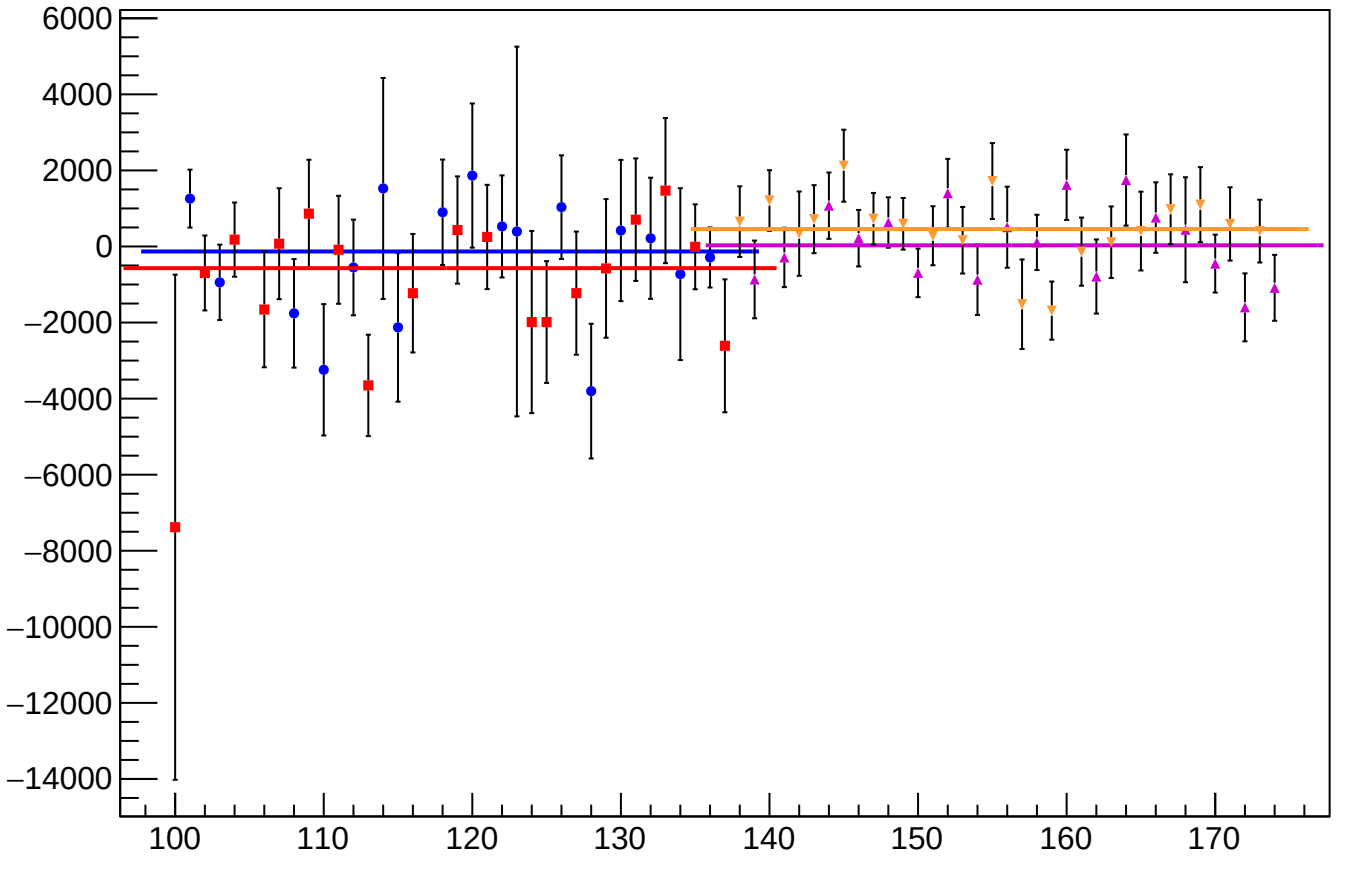
Left: 558.491+/-0.074 χ^2/NDF: 24437.5/36

Right: 564.130+/-0.107 χ^2/NDF: 61877.2/35

In: 559.703+/-0.087 χ^2/NDF:24322.2/34

Out: 560.906+/-0.086 χ^2/NDF:63762.4/37

All: 560.313+/-0.061 χ^2/NDF: 88181.6/72



Right In: -131.097+/-327.588 χ^2/NDF: 17.2/16

Left Out: 459.626+/-201.101 χ^2/NDF:18.1/18

Right Out: -569.844+/-332.404 χ^2/NDF: 14.6/18

Left In: 31.019+/-201.888 χ^2/NDF:19.8/17

Left: 246.160+/-142.477 χ^2/NDF: 40.2/36

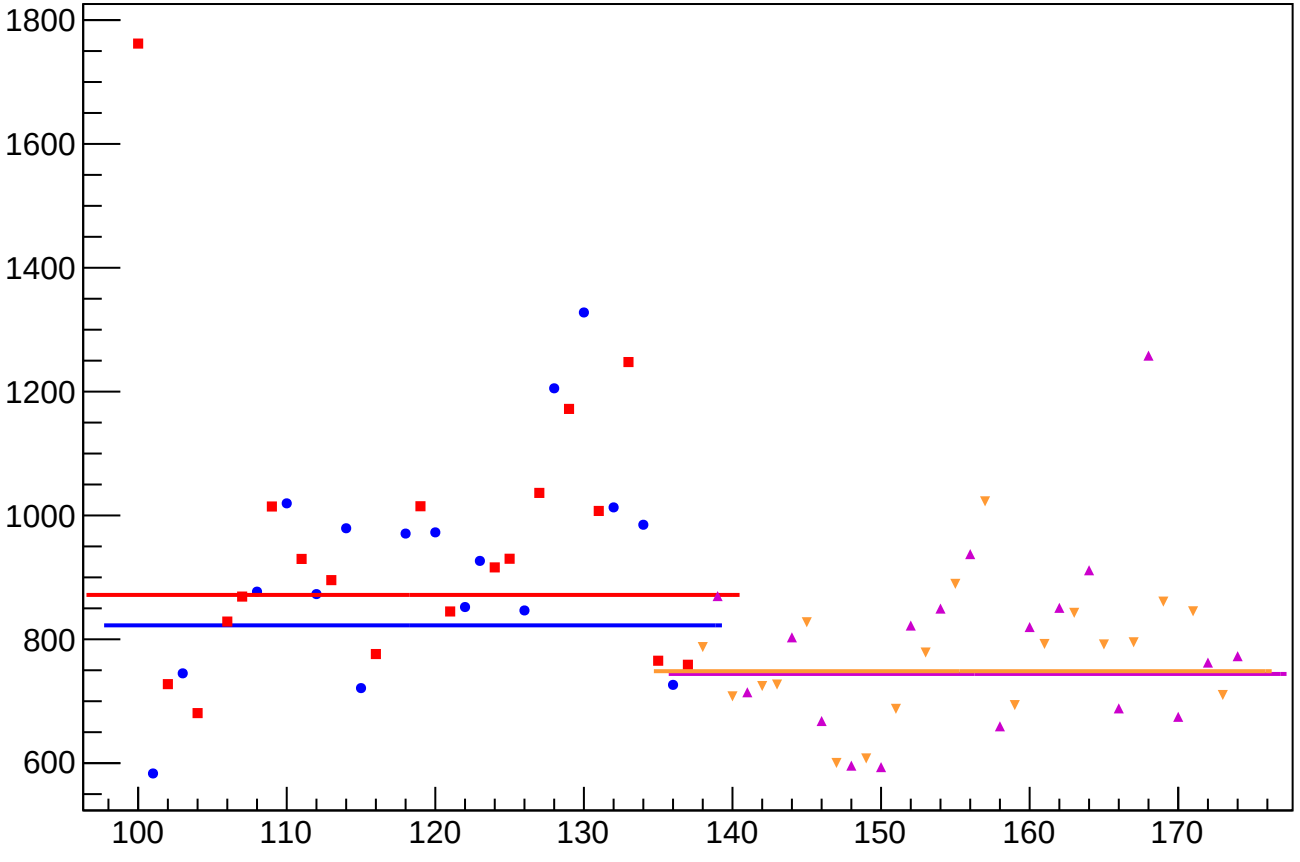
Right: -347.269+/-233.324 χ^2/NDF: 32.7/35

In: -13.606+/-171.870 χ^2/NDF:37.2/34

Out: 183.788+/-172.063 χ^2/NDF:39.7/37

All: 84.981+/-121.599 χ^2/NDF: 77.6/72

asym_right_avg_correction_rms vs Slug, Sign Corrected



Right In: 822.527+/-0.232 χ^2/NDF: 600956.1/16

Left Out: 748.488+/-0.142 χ^2/NDF:463526.8/18

Right Out: 871.679+/-0.235 χ^2/NDF: 406857.8/18

Left In: 744.056+/-0.143 χ^2/NDF:788863.8/17

Left: 746.281+/-0.101 χ^2/NDF: 1252874.6/36

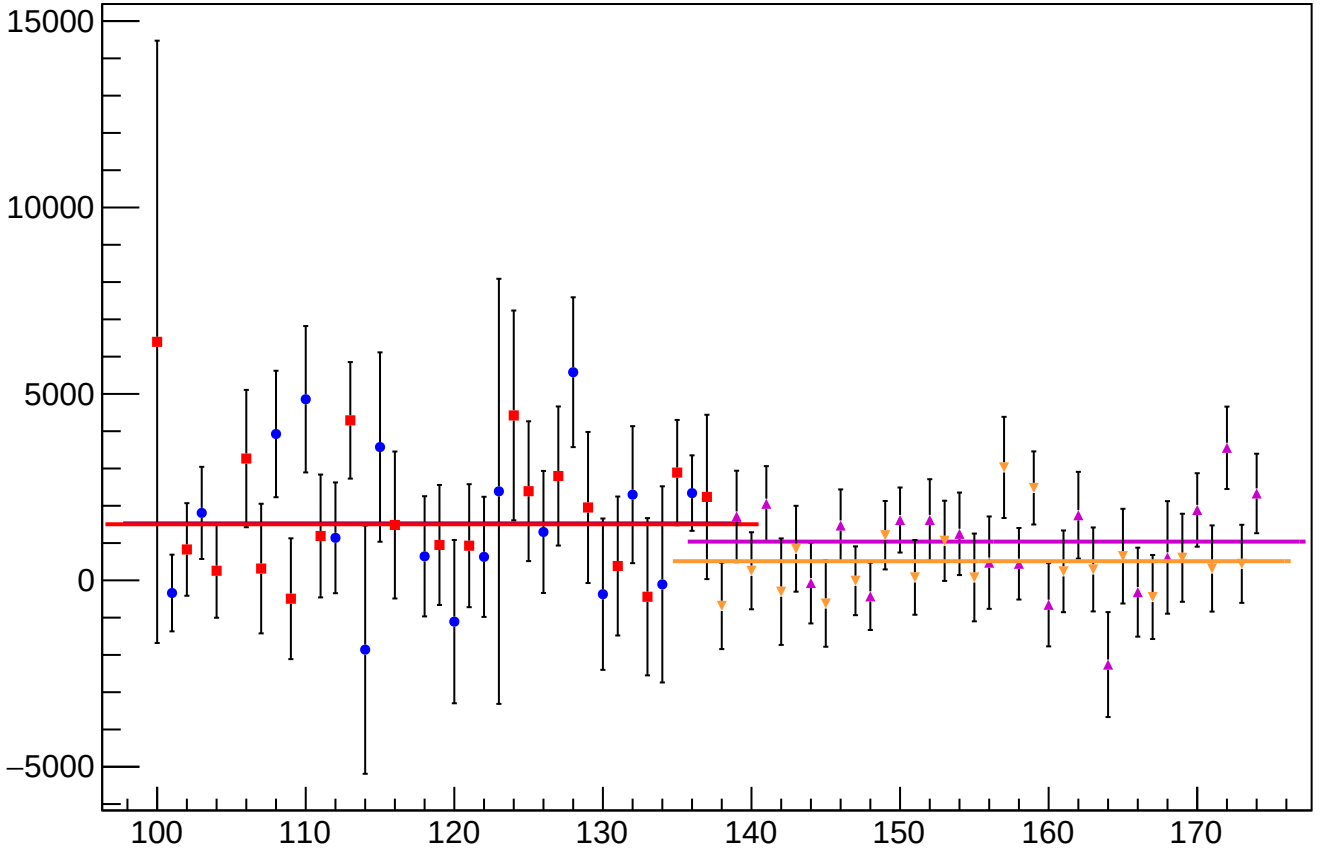
Right: 846.744+/-0.165 χ^2/NDF: 1029998.2/35

In: 765.656+/-0.122 χ^2/NDF:1472991.8/34

Out: 781.496+/-0.122 χ^2/NDF:1071477.6/37

All: 773.567+/-0.086 χ^2/NDF: 2552954.5/72

asym_right_avg_mean vs Slug, Sign Corrected



Right In: 1525.470+/-401.784 χ^2/NDF: 18.2/16

Left Out: 513.871+/-253.129 χ^2/NDF:12.3/18

Right Out: 1504.406+/-399.953 χ^2/NDF: 12.1/18

Left In: 1038.672+/-254.691 χ^2/NDF:23.5/17

Left: 774.657+/-179.539 χ^2/NDF: 37.9/36

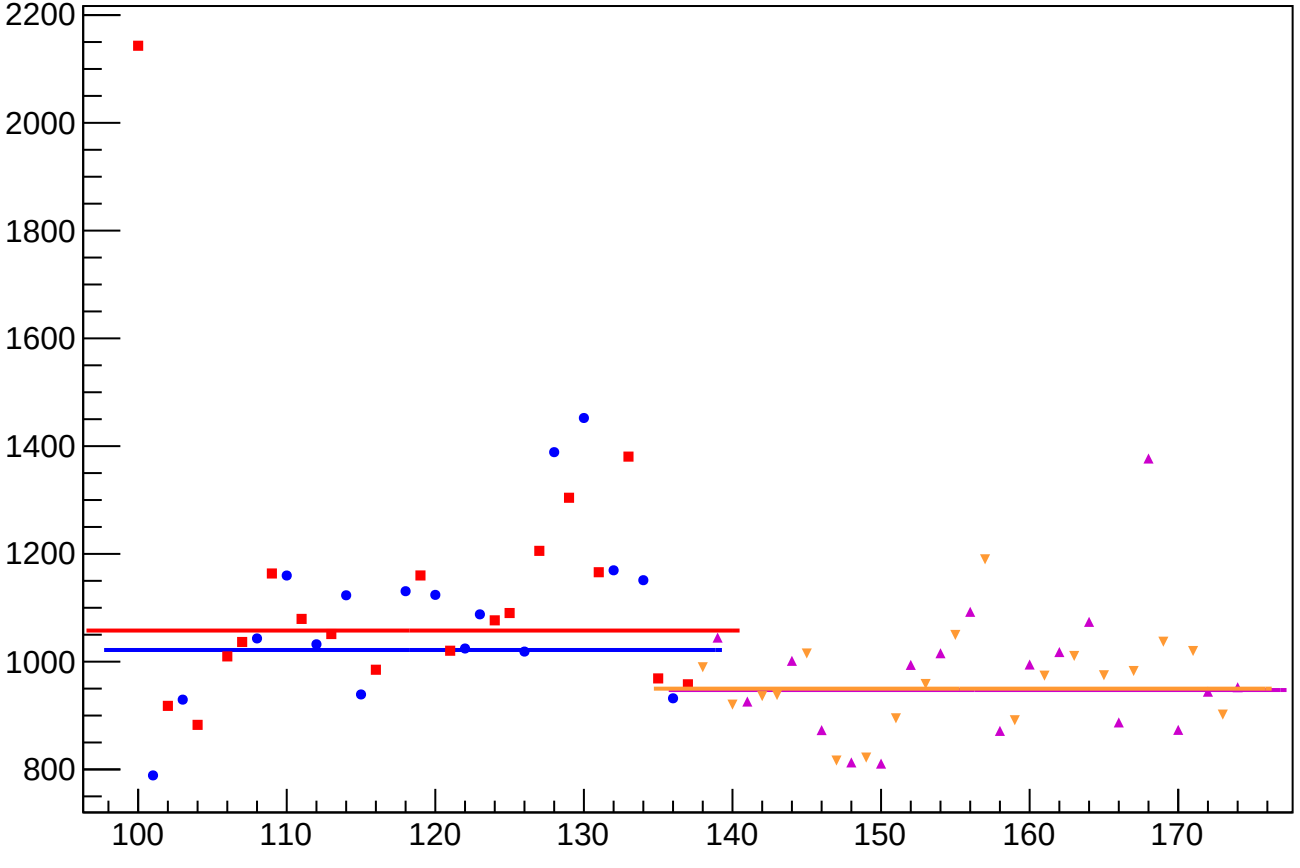
Right: 1514.890+/-283.454 χ^2/NDF: 30.4/35

In: 1178.212+/-215.113 χ^2/NDF:42.8/34

Out: 797.163+/-213.890 χ^2/NDF:28.8/37

All: 986.602+/-151.674 χ^2/NDF: 73.2/72

asym_right_avg_rms vs Slug, Sign Corrected



Right In: 1021.665+/-0.284 χ^2/NDF: 331949.3/16

Left Out: 949.896+/-0.179 χ^2/NDF:213371.8/18

Right Out: 1057.748+/-0.283 χ^2/NDF: 230944.1/18

Left In: 947.332+/-0.180 χ^2/NDF:380402.8/17

Left: 948.622+/-0.127 χ^2/NDF: 593876.5/36

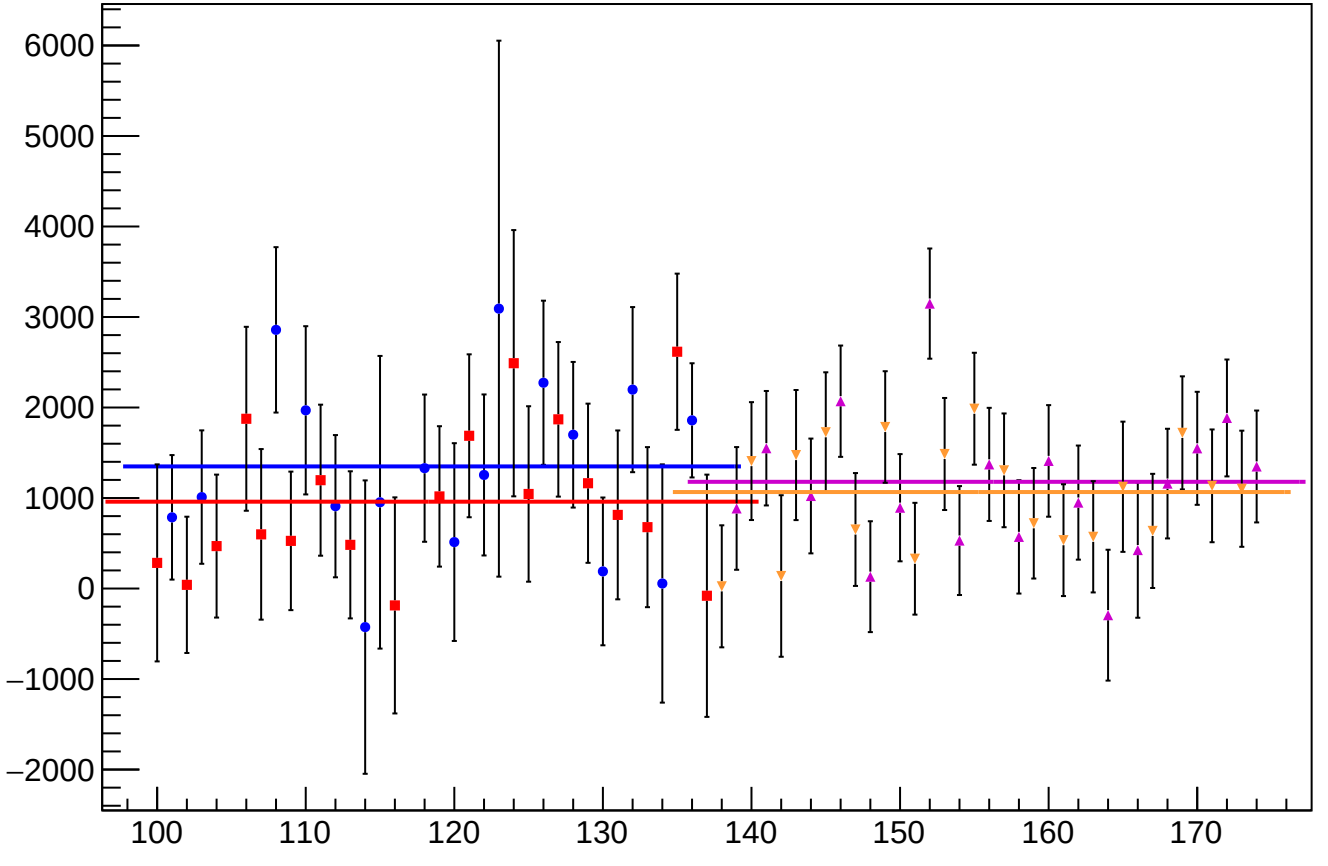
Right: 1039.788+/-0.200 χ^2/NDF: 570995.5/35

In: 968.639+/-0.152 χ^2/NDF:761184.7/34

Out: 980.741+/-0.151 χ^2/NDF:548156.4/37

All: 974.725+/-0.107 χ^2/NDF: 1312524.1/72

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: 1179.041+/-148.991 χ^2/NDF:25.6/17

Left: 1122.232+/-105.043 χ^2/NDF: 40.3/36

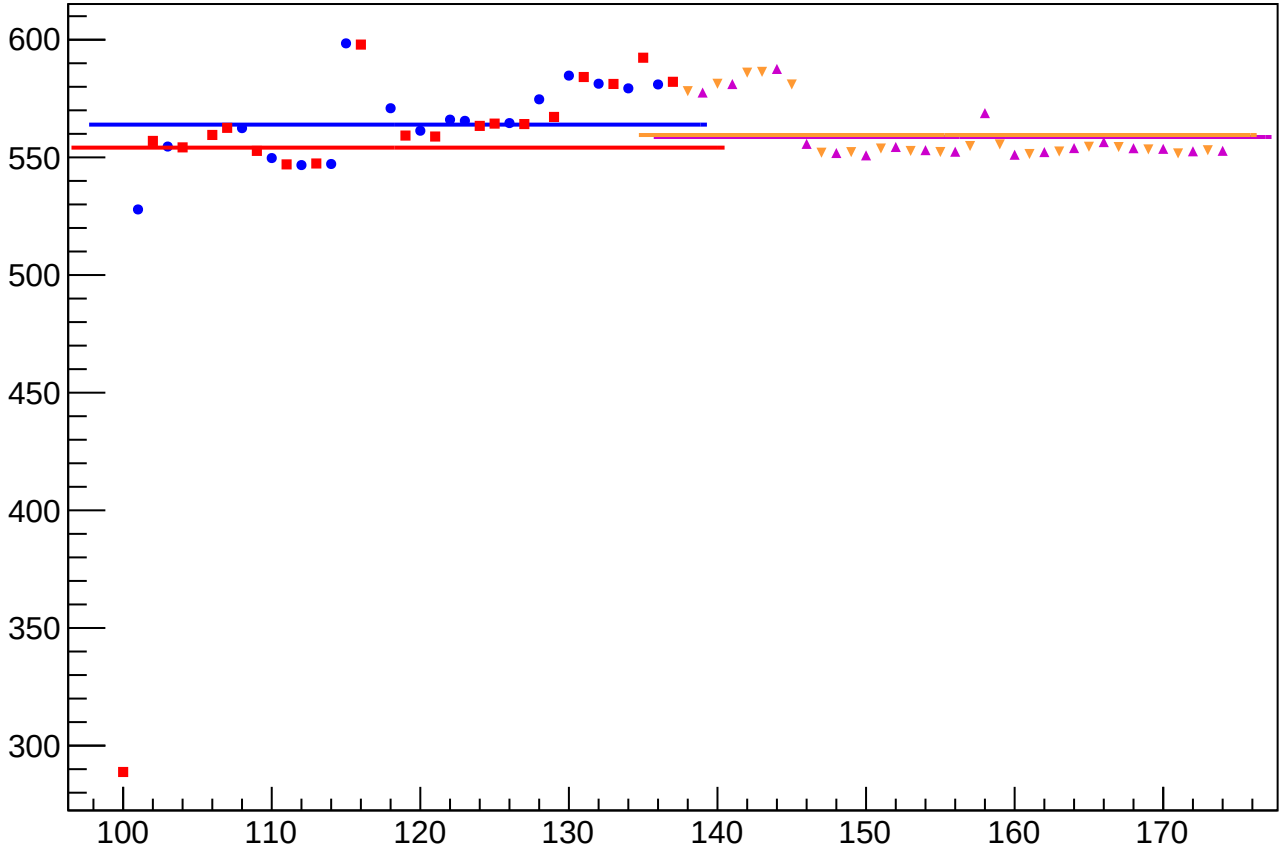
Right: 1144.995+/-150.662 χ^2/NDF: 26.2/35

In: 1233.080+/-123.072 χ^2/NDF:38.3/34

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

All: 1129.678+/-86.167 χ^2/NDF: 66.5/72

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: 558.657+/-0.105 χ^2/NDF:11100.4/17

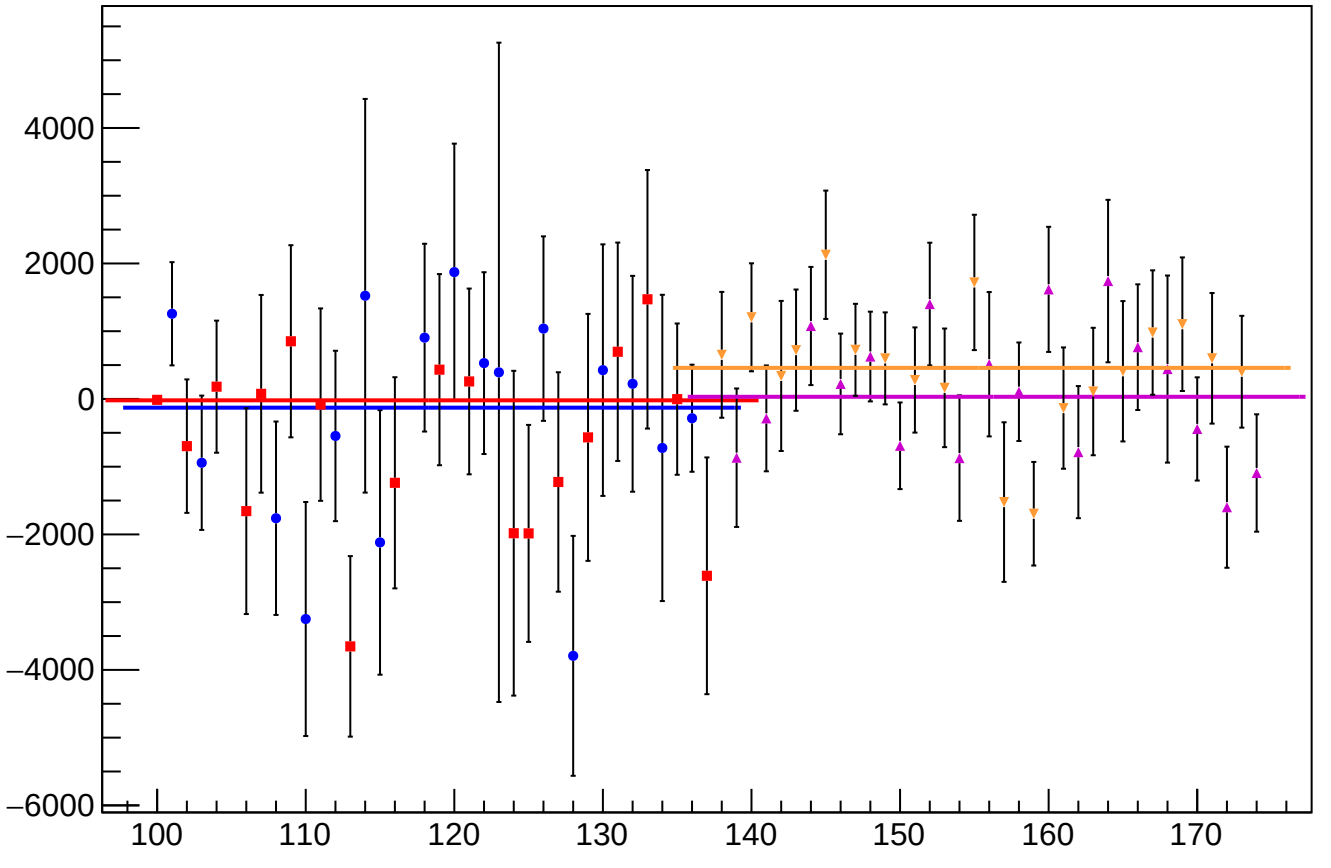
Left: 559.084+/-0.074 χ^2/NDF: 24545.2/36

Right: 558.799+/-0.107 χ^2/NDF: 146729.2/35

In: 560.329+/-0.087 χ^2/NDF:24557.0/34

Out: 557.704+/-0.085 χ^2/NDF:146258.2/37

All: 558.991+/-0.061 χ^2/NDF: 171279.2/72



Right In: -128.725+/-327.688 χ^2/NDF: 17.2/16

Left Out: 459.036+/-201.170 χ^2/NDF:18.2/18

Right Out: -20.384+/-38.954 χ^2/NDF: 16.1/18

Left In: 31.679+/-201.985 χ^2/NDF:19.8/17

Left: 246.222+/-142.536 χ^2/NDF: 40.2/36

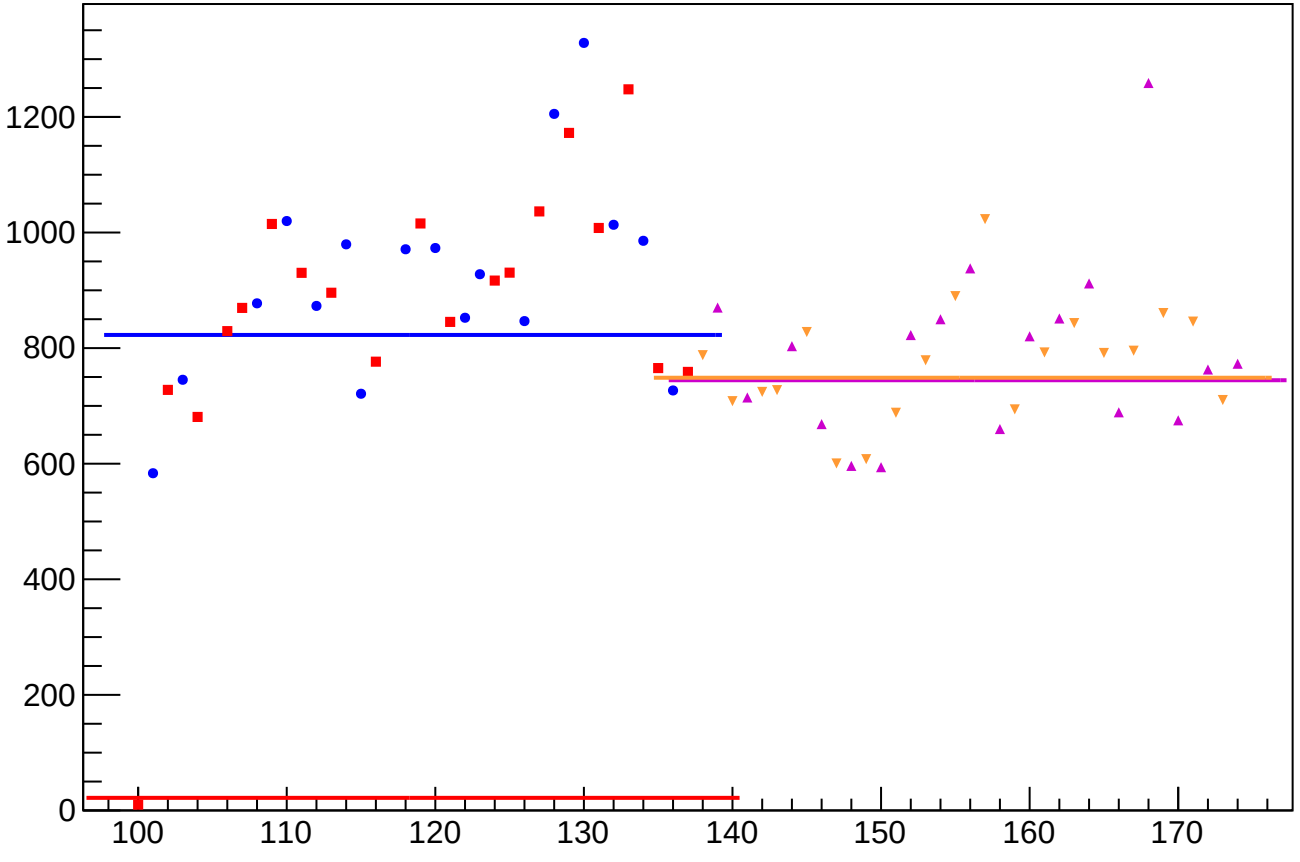
Right: -21.894+/-38.682 χ^2/NDF: 33.4/35

In: -12.485+/-171.944 χ^2/NDF:37.1/34

Out: -3.057+/-38.244 χ^2/NDF:39.8/37

All: -3.502+/-37.332 χ^2/NDF: 76.9/72

asym_right_dd_correction_rms vs Slug, Sign Corrected



Right In: 822.780+/-0.232 χ^2/NDF: 600873.9/16

Left Out: 748.735+/-0.142 χ^2/NDF:463604.0/18

Right Out: 21.812+/-0.028 χ^2/NDF: 13523611.9/18

Left In: 744.418+/-0.143 χ^2/NDF:788594.4/17

Left: 746.585+/-0.101 χ^2/NDF: 1252656.9/36

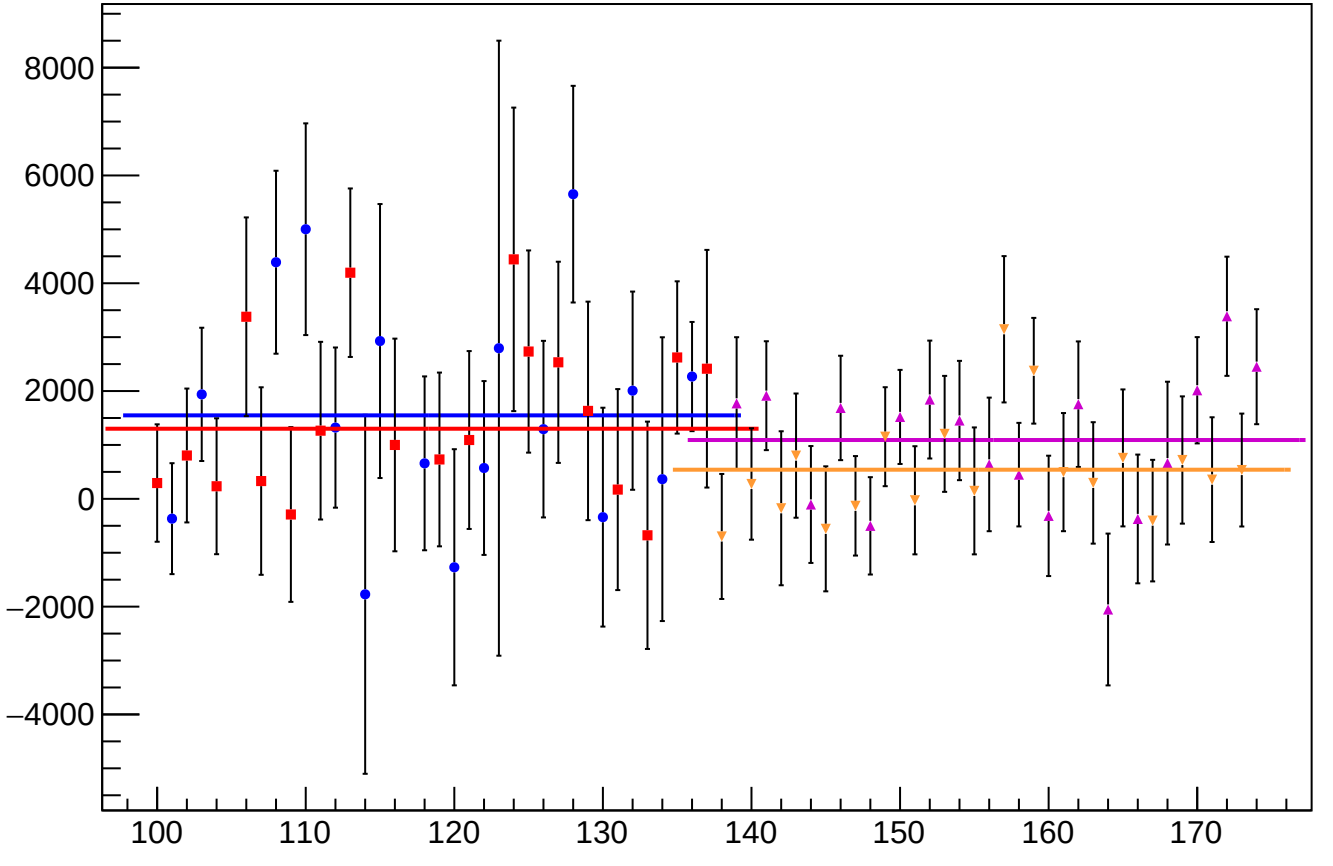
Right: 32.973+/-0.027 χ^2/NDF: 25907183.1/35

In: 765.994+/-0.122 χ^2/NDF:1472348.9/34

Out: 48.084+/-0.027 χ^2/NDF:39157897.2/37

All: 81.925+/-0.026 χ^2/NDF: 73852061.9/72

asym_right_dd_mean vs Slug, Sign Corrected



Right In: 1548.873+/-402.008 χ^2/NDF: 19.0/16

Left Out: 540.568+/-253.273 χ^2/NDF:12.2/18

Right Out: 1300.945+/-376.043 χ^2/NDF: 12.5/18

Left In: 1091.462+/-254.868 χ^2/NDF:22.4/17

Left: 814.286+/-179.653 χ^2/NDF: 36.9/36

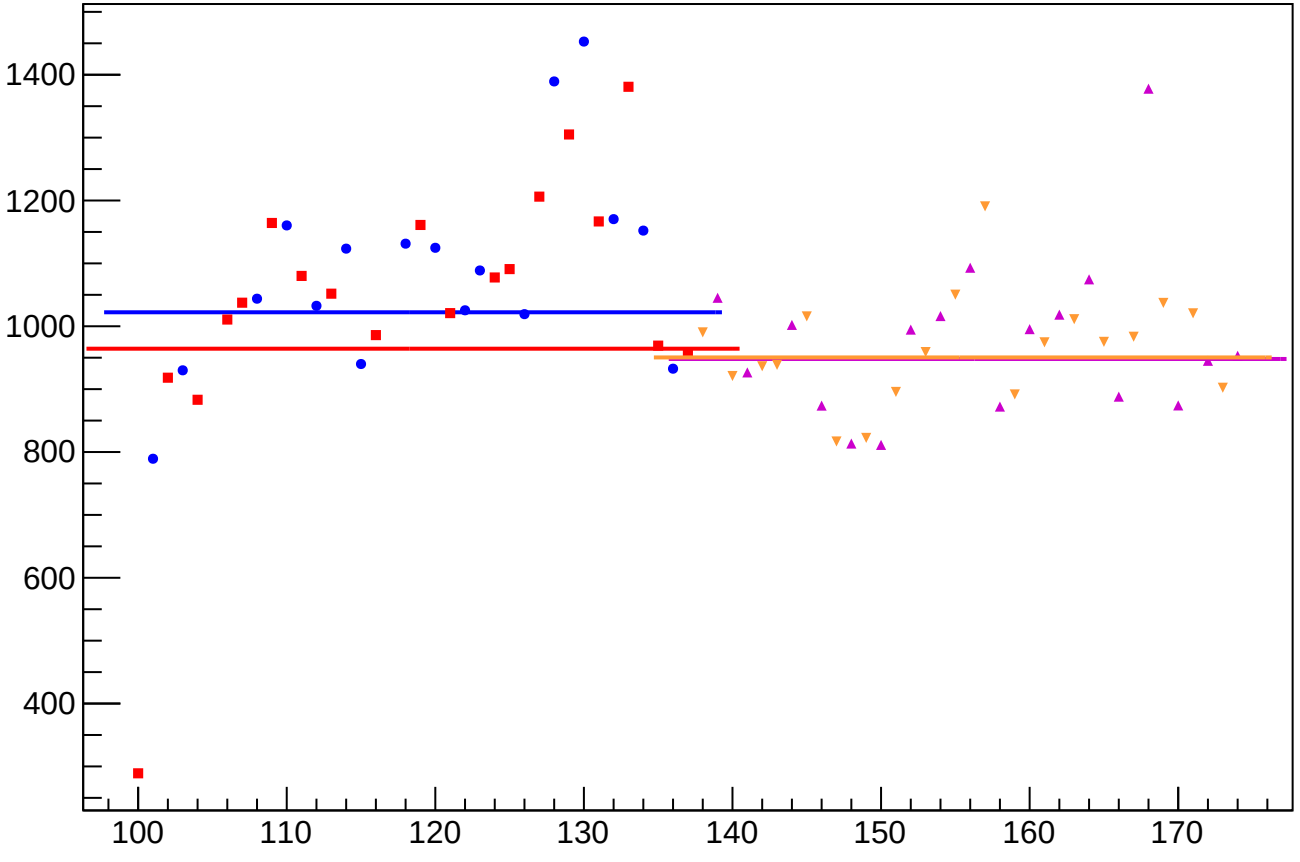
Right: 1416.645+/-274.624 χ^2/NDF: 31.7/35

In: 1222.603+/-215.254 χ^2/NDF:42.3/34

Out: 777.857+/-210.069 χ^2/NDF:27.6/37

All: 994.810+/-150.341 χ^2/NDF: 72.0/72

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: 947.998+/-0.180 χ^2/NDF:380114.5/17

Left: 949.222+/-0.127 χ^2/NDF: 593682.9/36

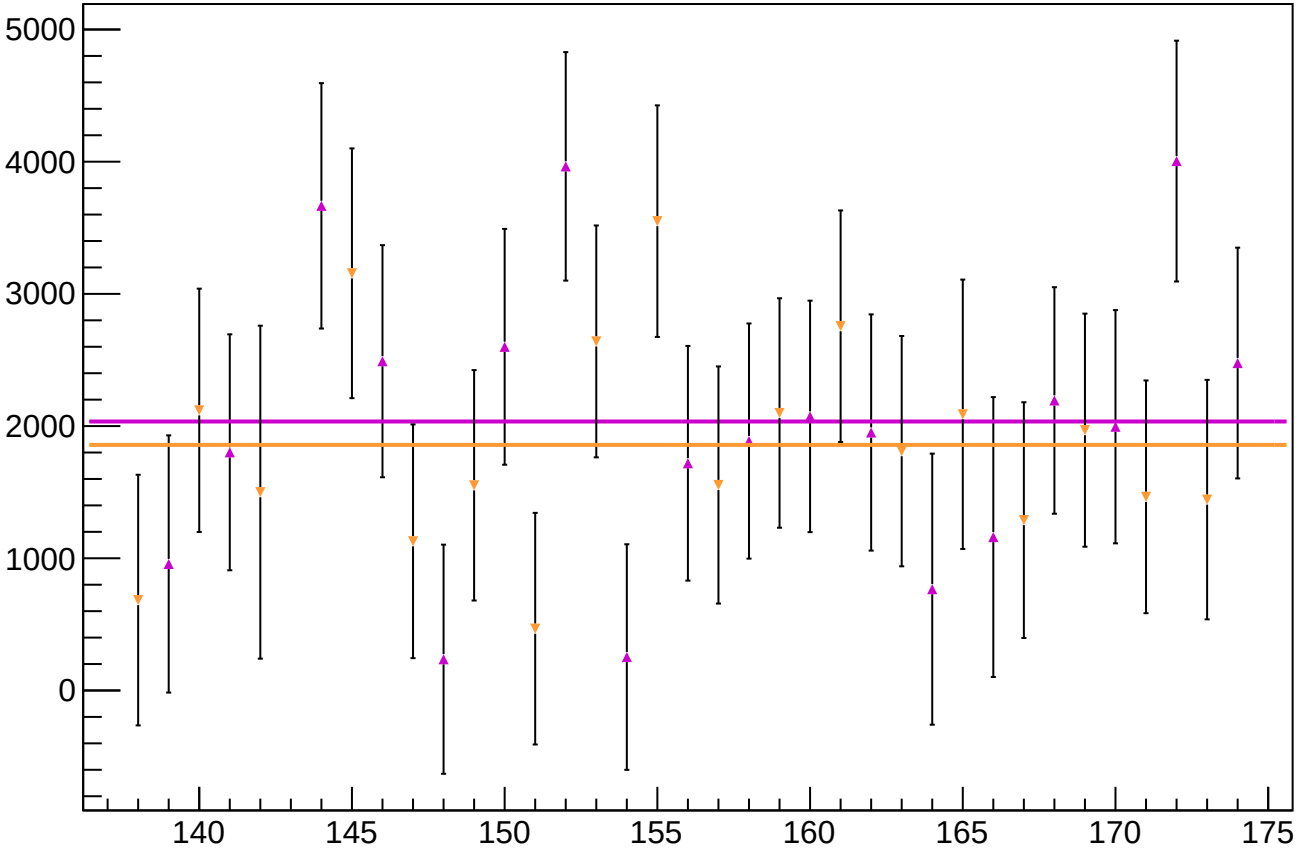
Right: 991.355+/-0.194 χ^2/NDF: 1421282.7/35

In: 969.284+/-0.152 χ^2/NDF:760638.0/34

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

All: 961.849+/-0.106 χ^2/NDF: 2047933.4/72

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: 2034.637+/-212.380 χ^2/NDF:26.1/17

Left: 1946.998+/-150.881 χ^2/NDF: 40.0/35

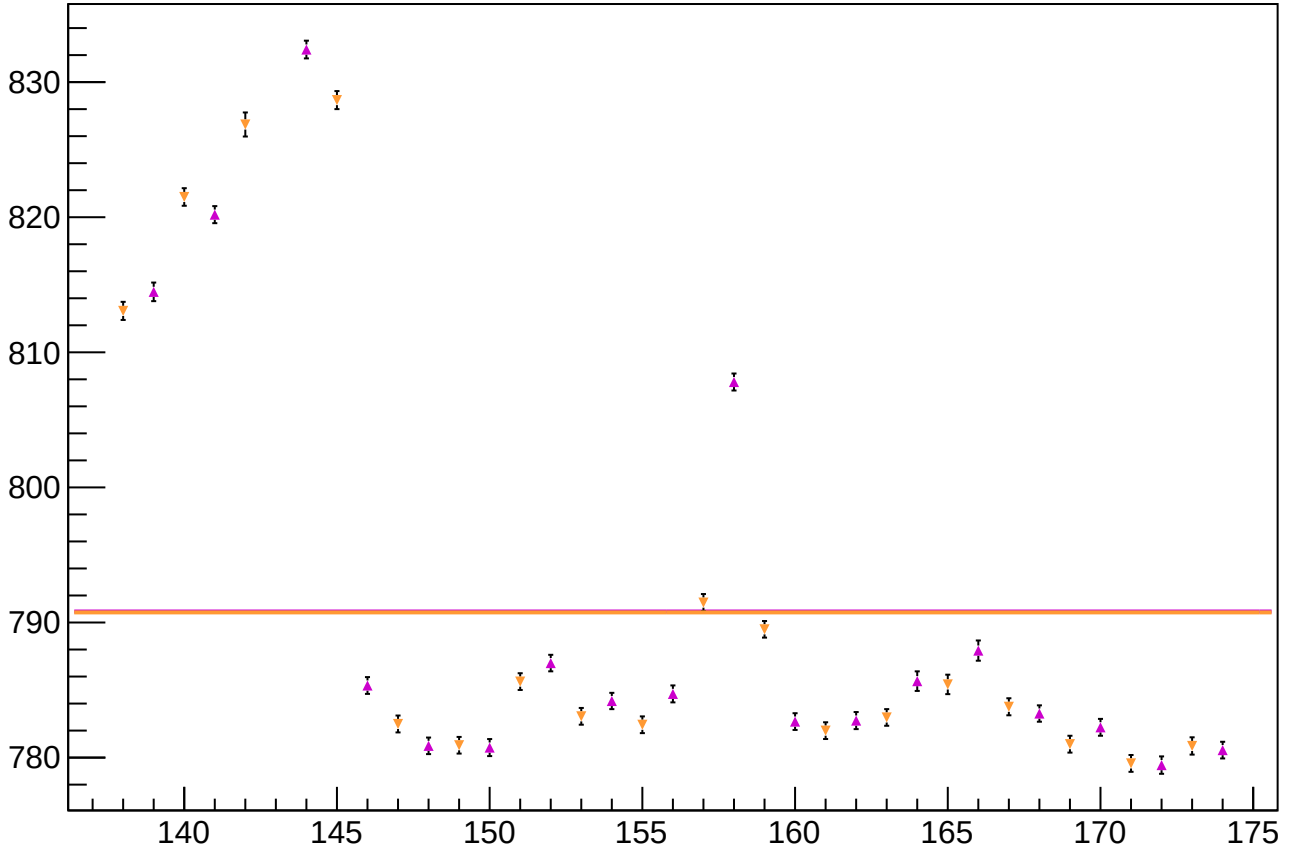
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 2034.637+/-212.380 χ^2/NDF:26.1/17

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

All: 1946.998+/-150.881 χ^2/NDF: 40.0/35

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: 790.814+/-0.150 χ^2/NDF:10280.5/17

Left: 790.781+/-0.107 χ^2/NDF: 20669.1/35

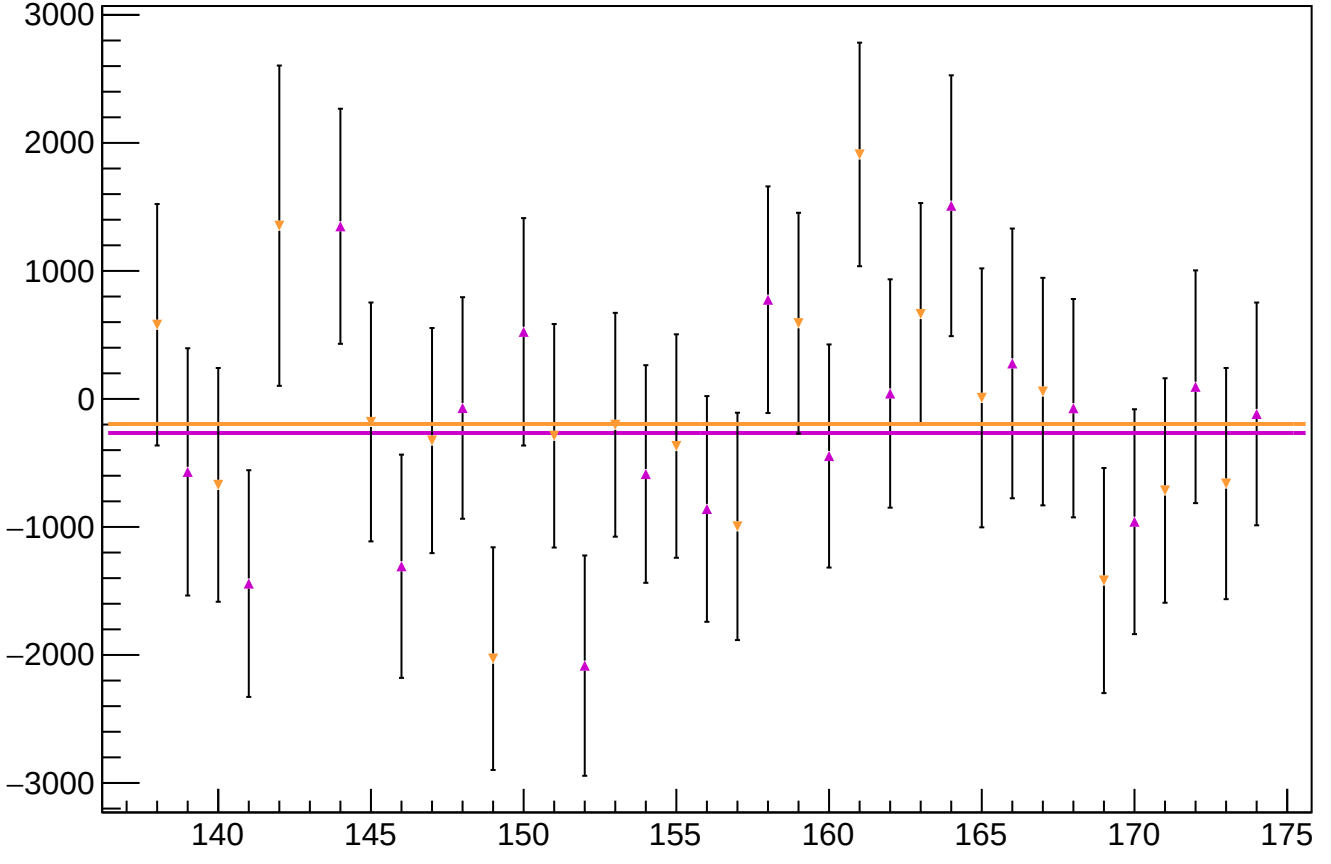
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 790.814+/-0.150 χ^2/NDF:10280.5/17

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

All: 790.781+/-0.107 χ^2/NDF: 20669.1/35

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: -265.918+/-211.350 χ^2/NDF:18.0/17

Left: -231.052+/-150.136 χ^2/NDF: 36.2/35

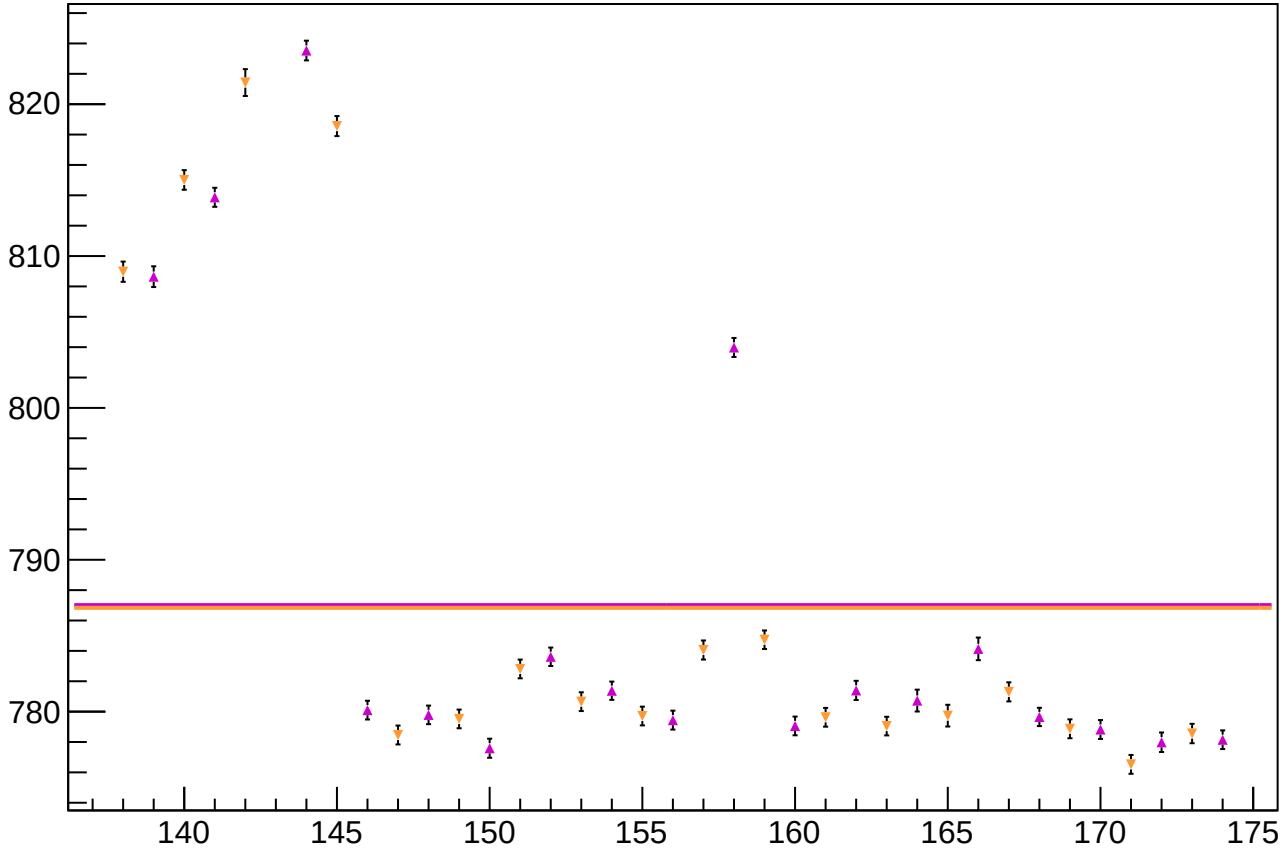
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -265.918+/-211.350 χ^2/NDF:18.0/17

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

All: -231.052+/-150.136 χ^2/NDF: 36.2/35

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: 787.014+/-0.149 χ^2/NDF:8562.7/17

Left: 786.926+/-0.106 χ^2/NDF: 17122.7/35

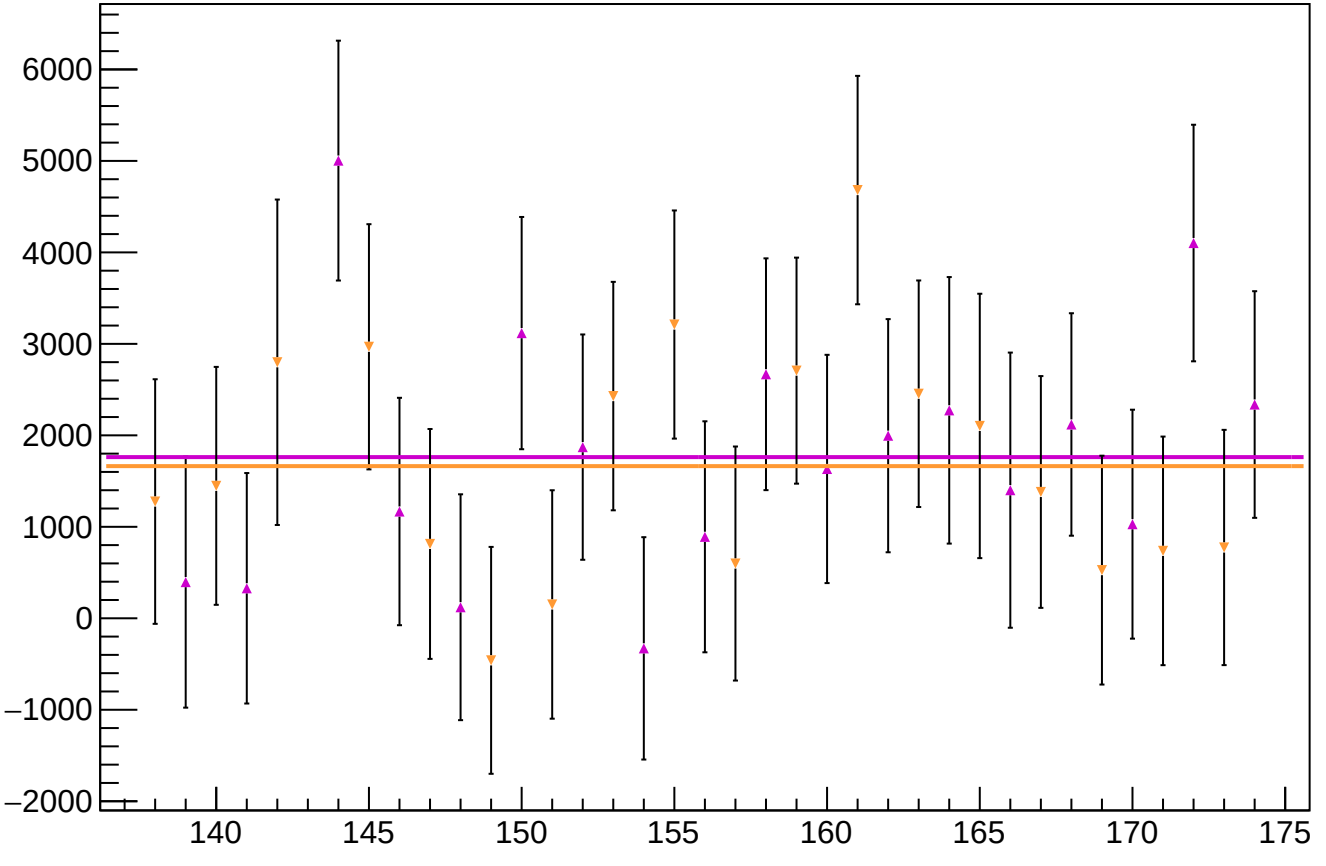
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 787.014+/-0.149 χ^2/NDF:8562.7/17

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

All: 786.926+/-0.106 χ^2/NDF: 17122.7/35

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: 1762.090+/-301.664 χ^2/NDF:19.6/17

Left: 1713.219+/-214.335 χ^2/NDF: 37.6/35

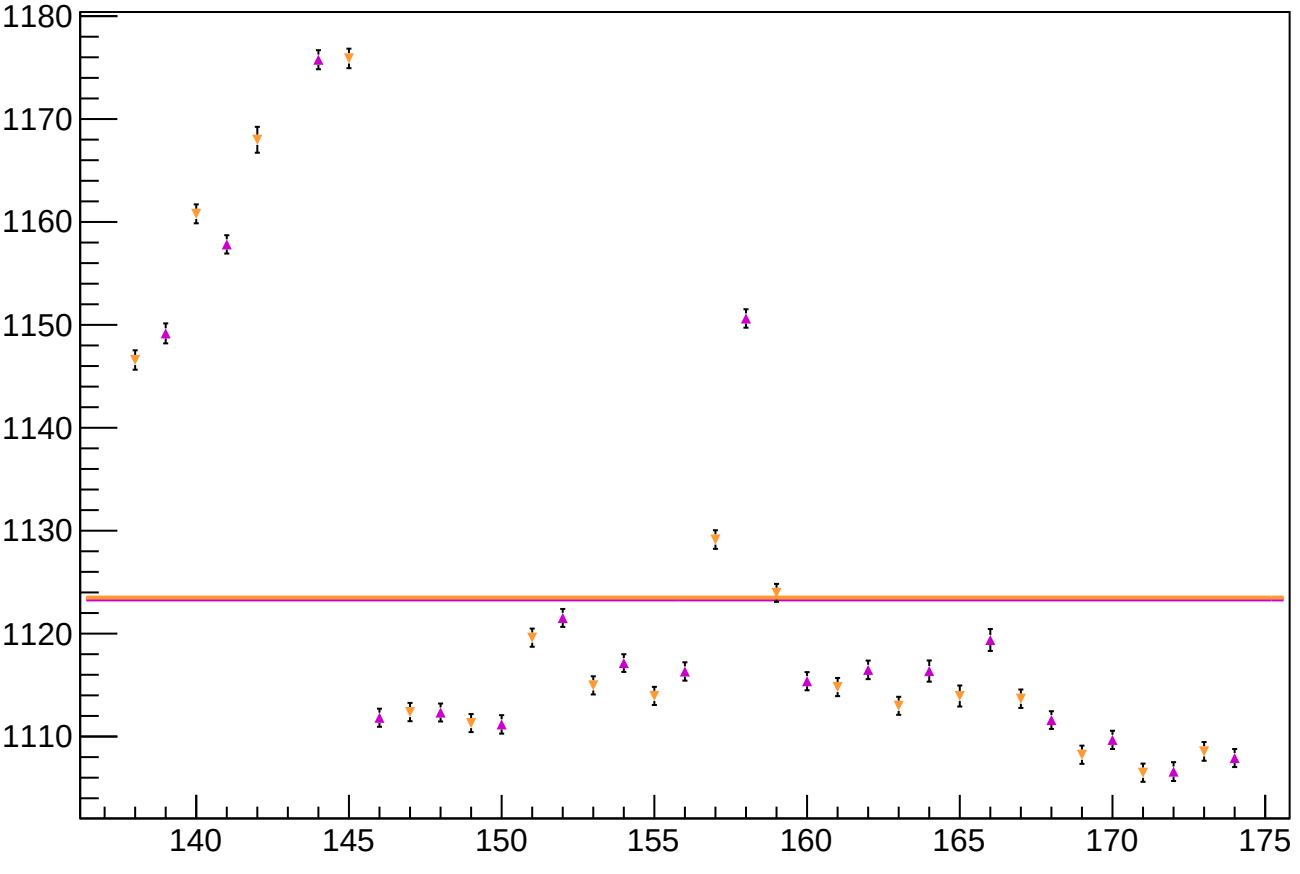
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 1762.090+/-301.664 χ^2/NDF:19.6/17

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

All: 1713.219+/-214.335 χ^2/NDF: 37.6/35

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: 1123.322+/-0.213 χ^2/NDF:8234.6/17

Left: 1123.411+/-0.152 χ^2/NDF: 16789.9/35

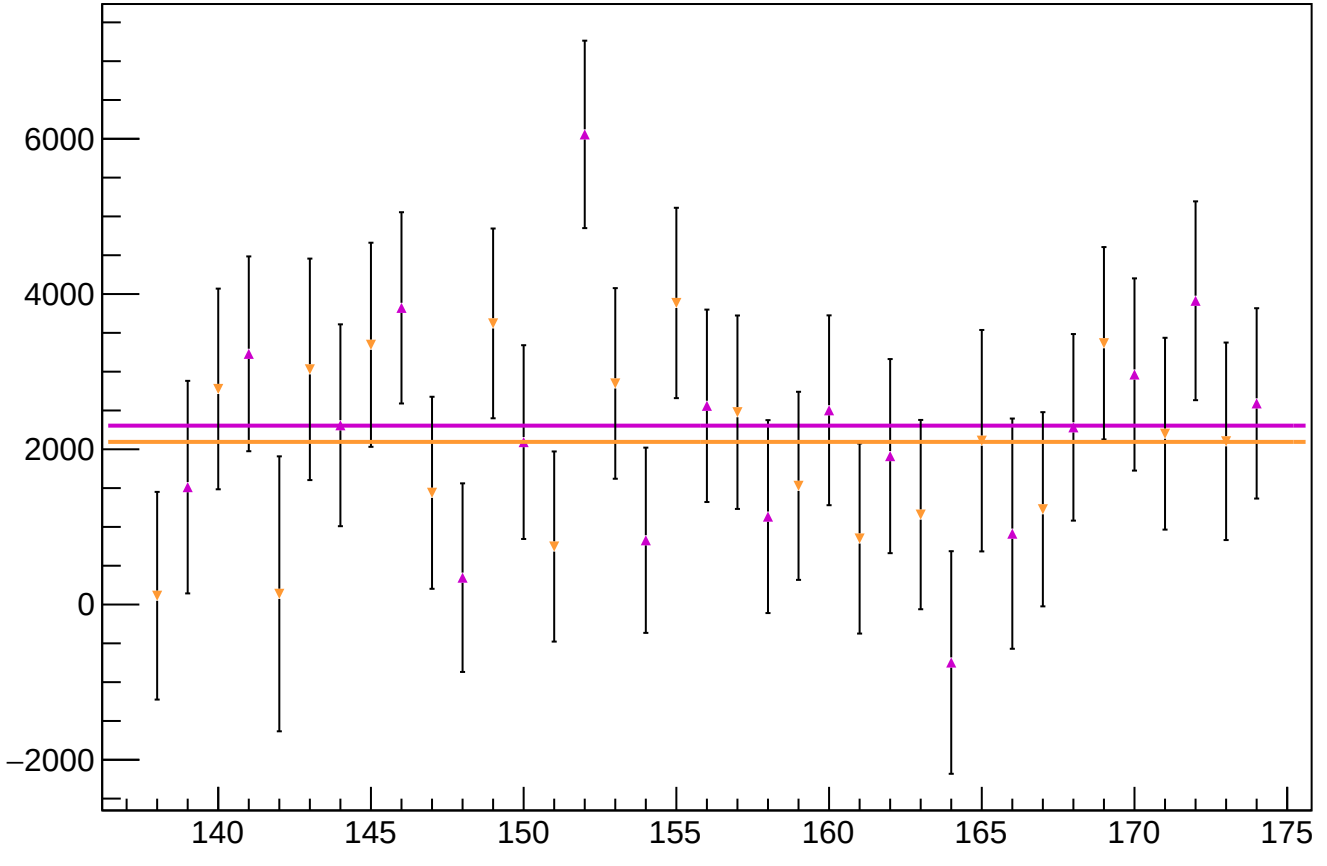
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 1123.322+/-0.213 χ^2/NDF:8234.6/17

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

All: 1123.411+/-0.152 χ^2/NDF: 16789.9/35

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: 2304.647+/-297.565 χ^2/NDF:24.6/17

Left: 2198.657+/-209.077 χ^2/NDF: 38.9/36

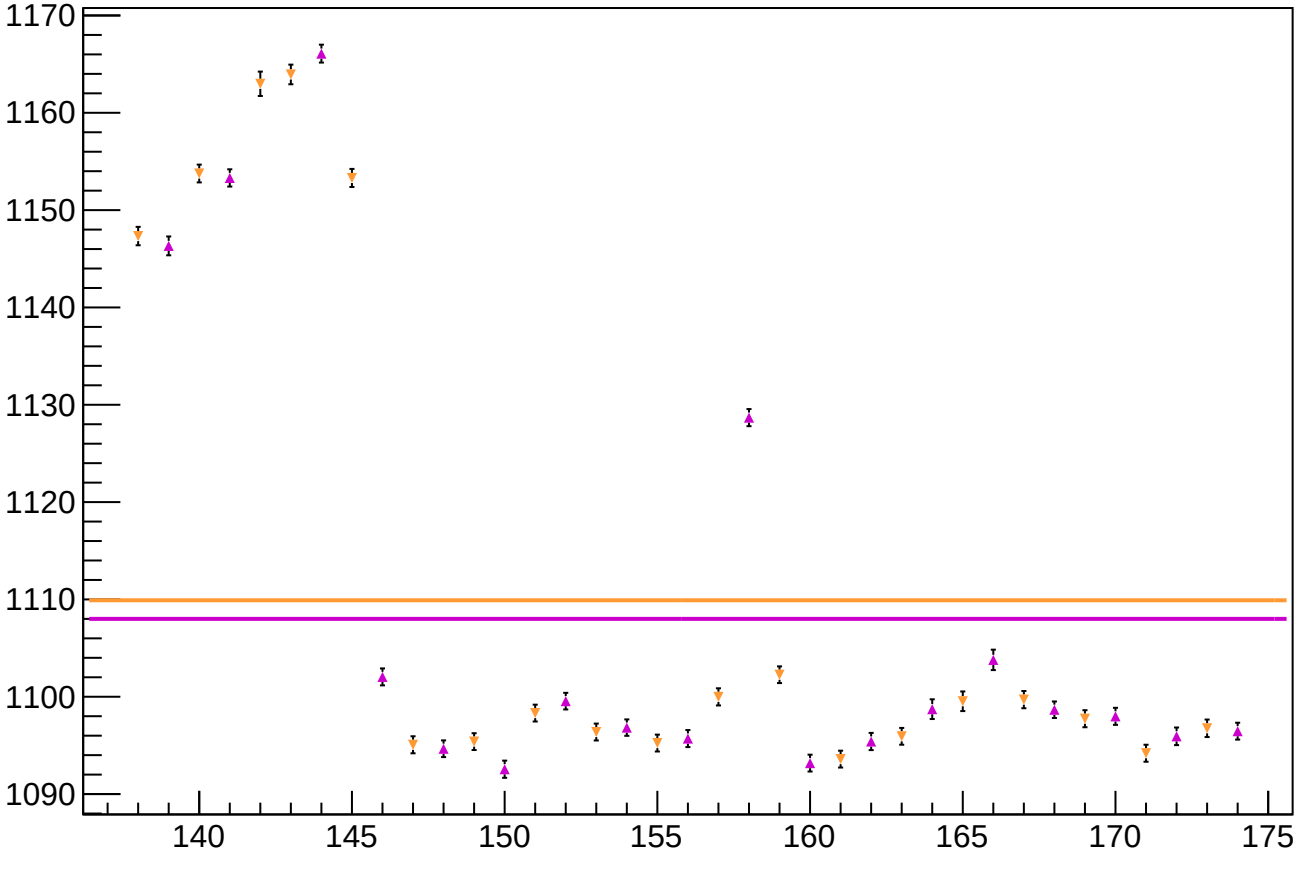
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 2304.647+/-297.565 χ^2/NDF:24.6/17

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

All: 2198.657+/-209.077 χ^2/NDF: 38.9/36

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: 1108.001+/-0.210 χ^2/NDF:10985.8/17

Left: 1108.968+/-0.148 χ^2/NDF: 24809.4/36

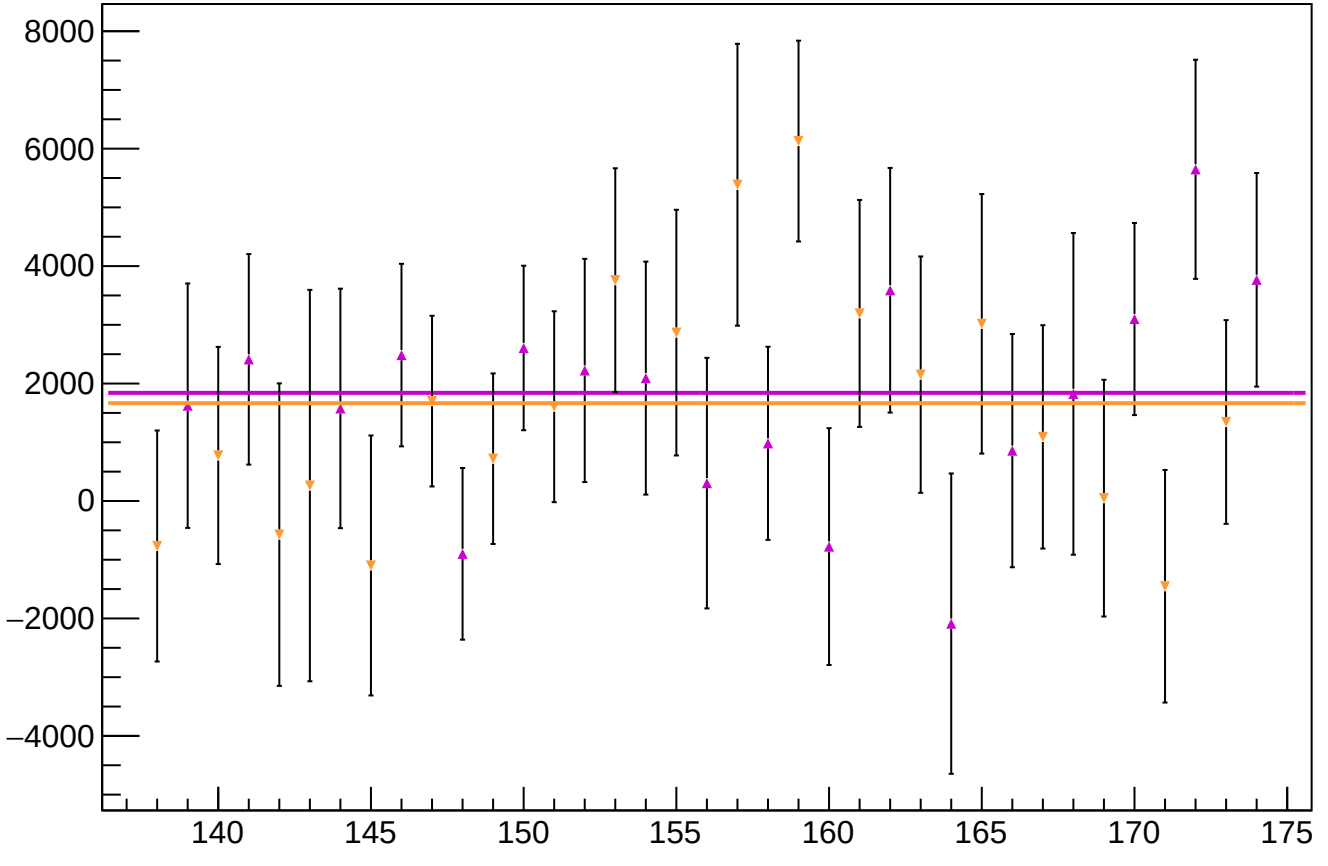
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 1108.001+/-0.210 χ^2/NDF:10985.8/17

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

All: 1108.968+/-0.148 χ^2/NDF: 24809.4/36

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: 1841.838+/-435.445 χ^2/NDF:15.8/17

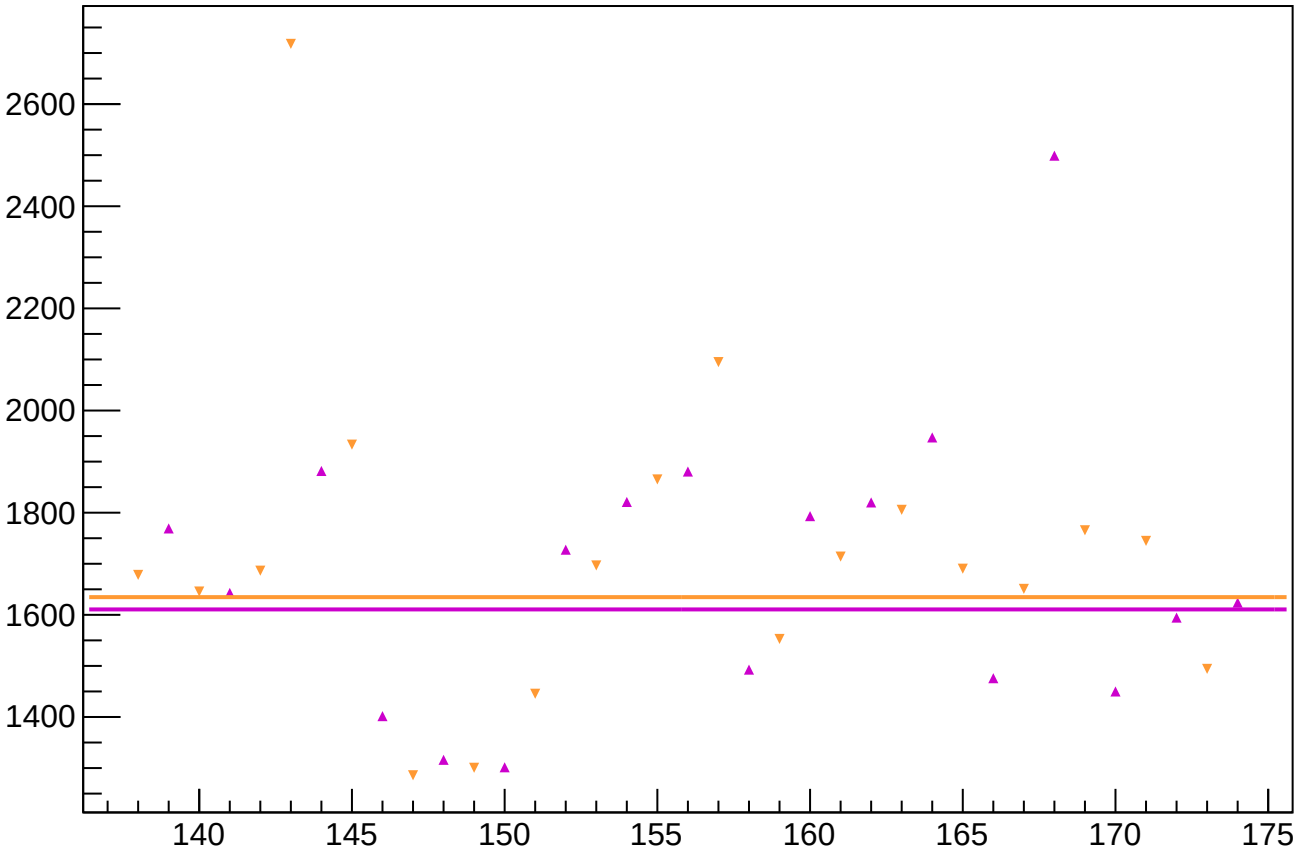
Left: 1754.656+/-309.410 χ^2/NDF: 35.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 1841.838+/-435.445 χ^2/NDF:15.8/17

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

All: 1754.656+/-309.410 χ^2/NDF: 35.7/36



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: 1610.606+/-0.308 χ^2/NDF:645001.2/17

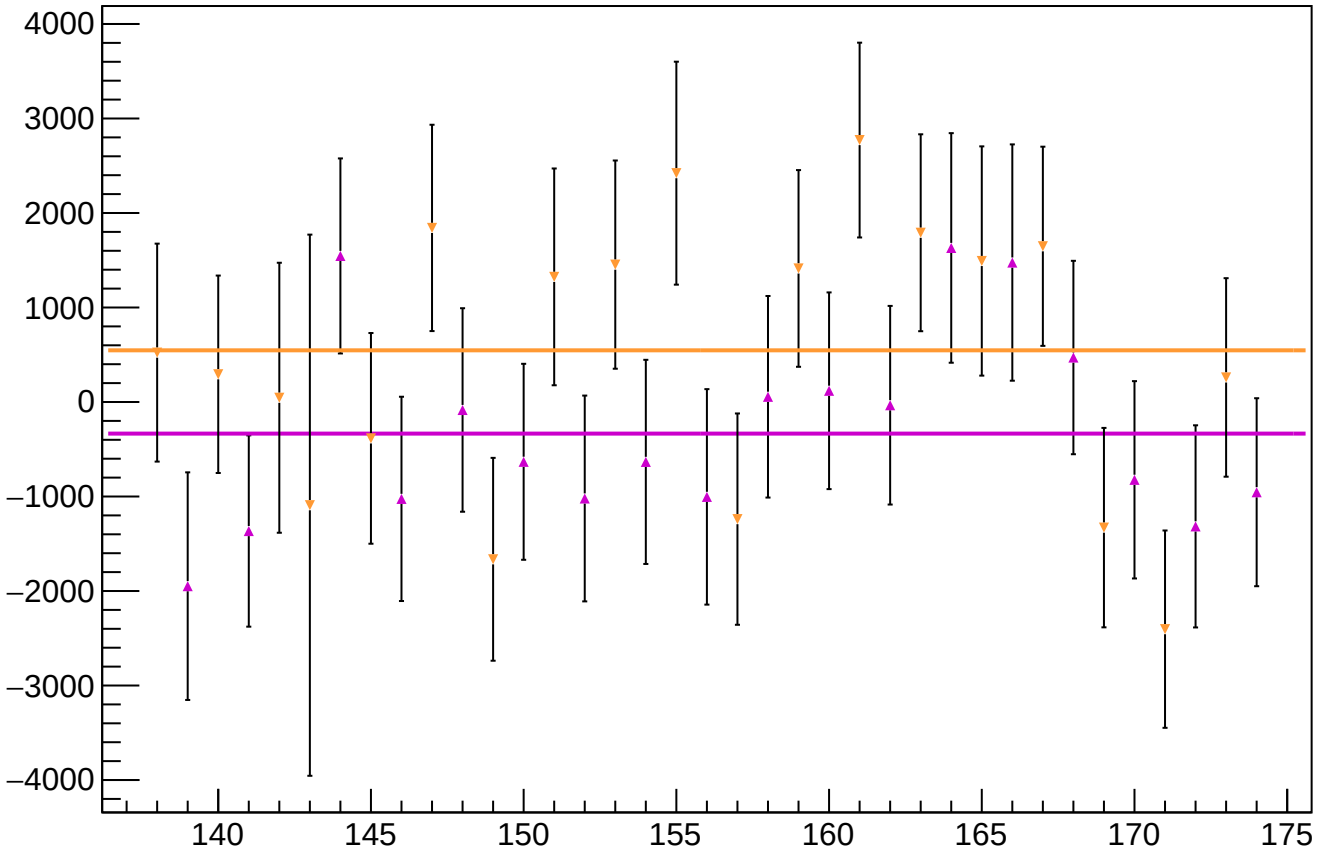
Left: 1622.523+/-0.219 χ^2/NDF: 1297283.5/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 1610.606+/-0.308 χ^2/NDF:645001.2/17

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

All: 1622.523+/-0.219 χ^2/NDF: 1297283.5/36



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: -334.387+/-253.944 χ^2/NDF:14.7/17

Left: 98.658+/-181.101 χ^2/NDF: 53.4/36

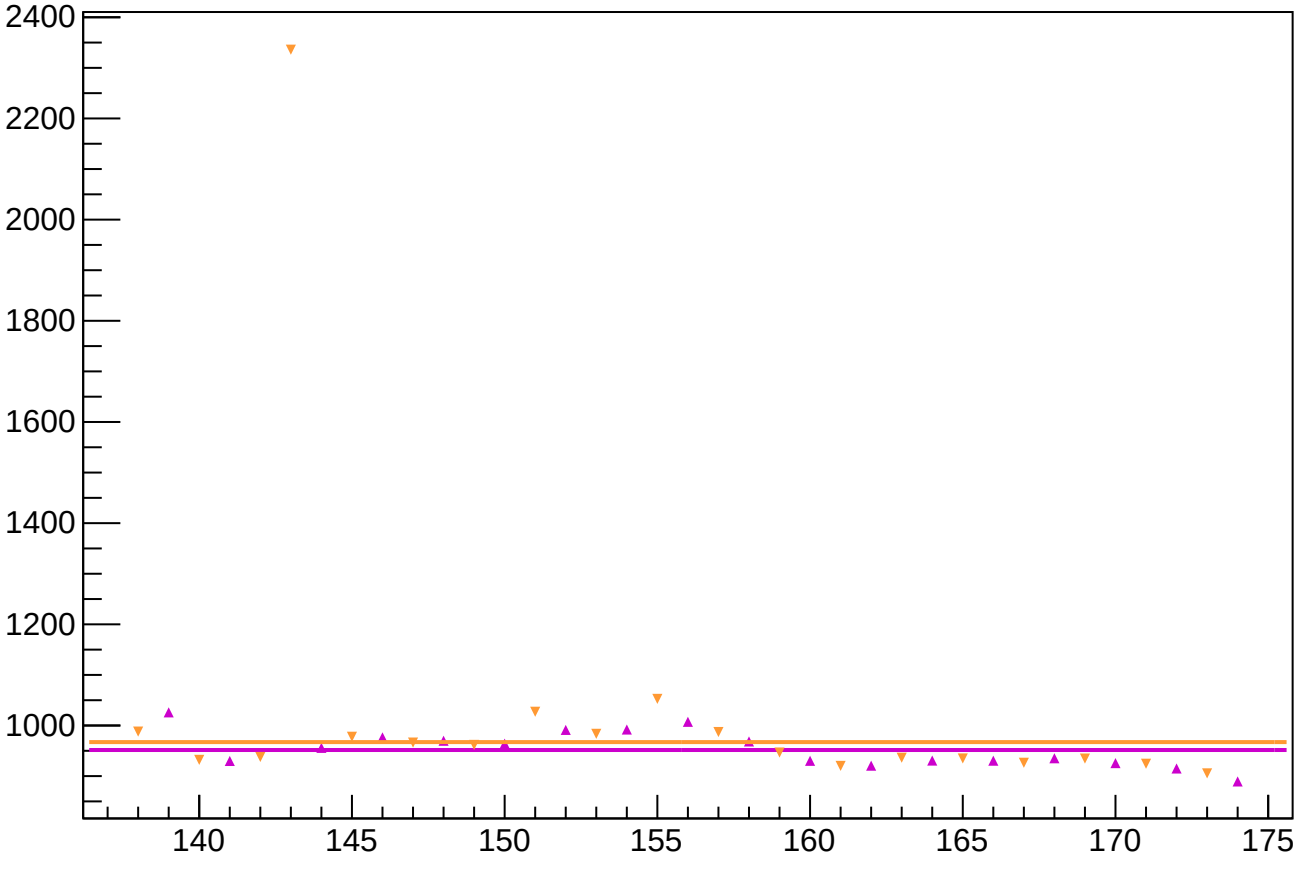
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -334.387+/-253.944 χ^2/NDF:14.7/17

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

All: 98.658+/-181.101 χ^2/NDF: 53.4/36

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: 951.559+/-0.180 χ^2/NDF:36910.7/17

Left: 959.254+/-0.128 χ^2/NDF: 542018.9/36

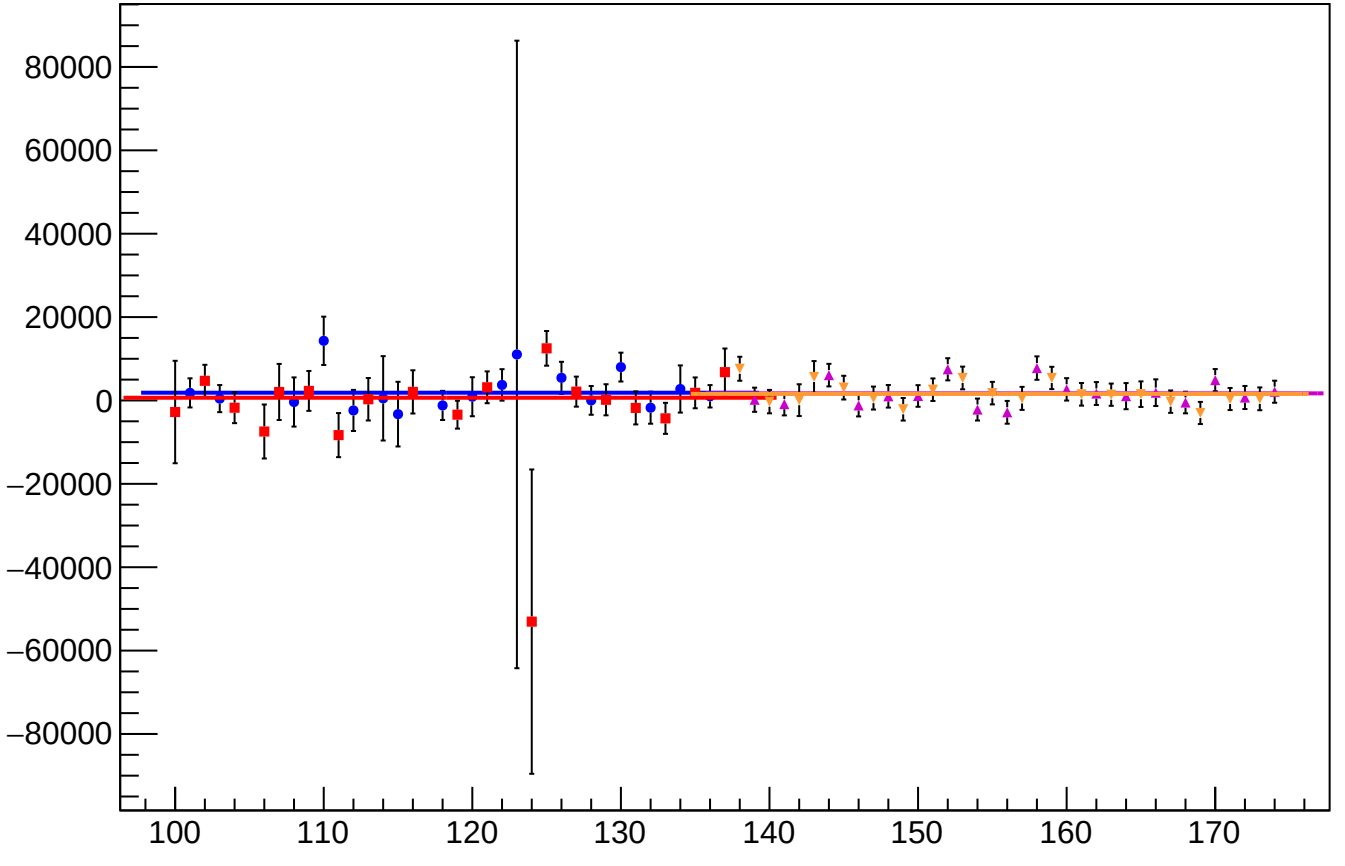
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 951.559+/-0.180 χ^2/NDF:36910.7/17

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

All: 959.254+/-0.128 χ^2/NDF: 542018.9/36

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: 1706.435+/-645.366 χ^2/NDF:21.9/17

Left: 1641.811+/-456.604 χ^2/NDF: 38.5/36

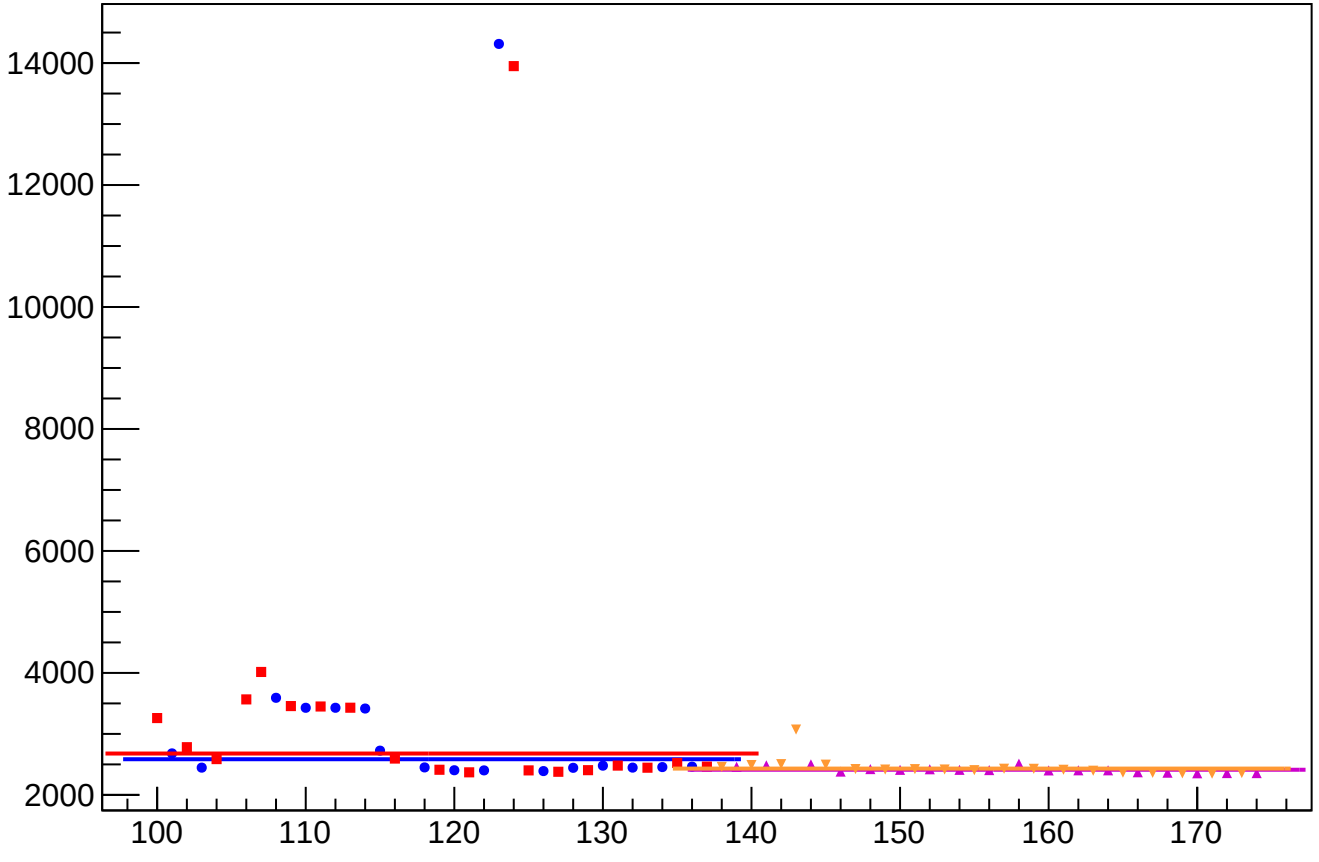
Right: 1263.106+/-720.235 χ^2/NDF: 35.3/35

In: 1750.674+/-544.361 χ^2/NDF:34.4/34

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

All: 1533.241+/-385.637 χ^2/NDF: 74.0/72

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: 2412.265+/-0.456 χ^2/NDF:10658.1/17

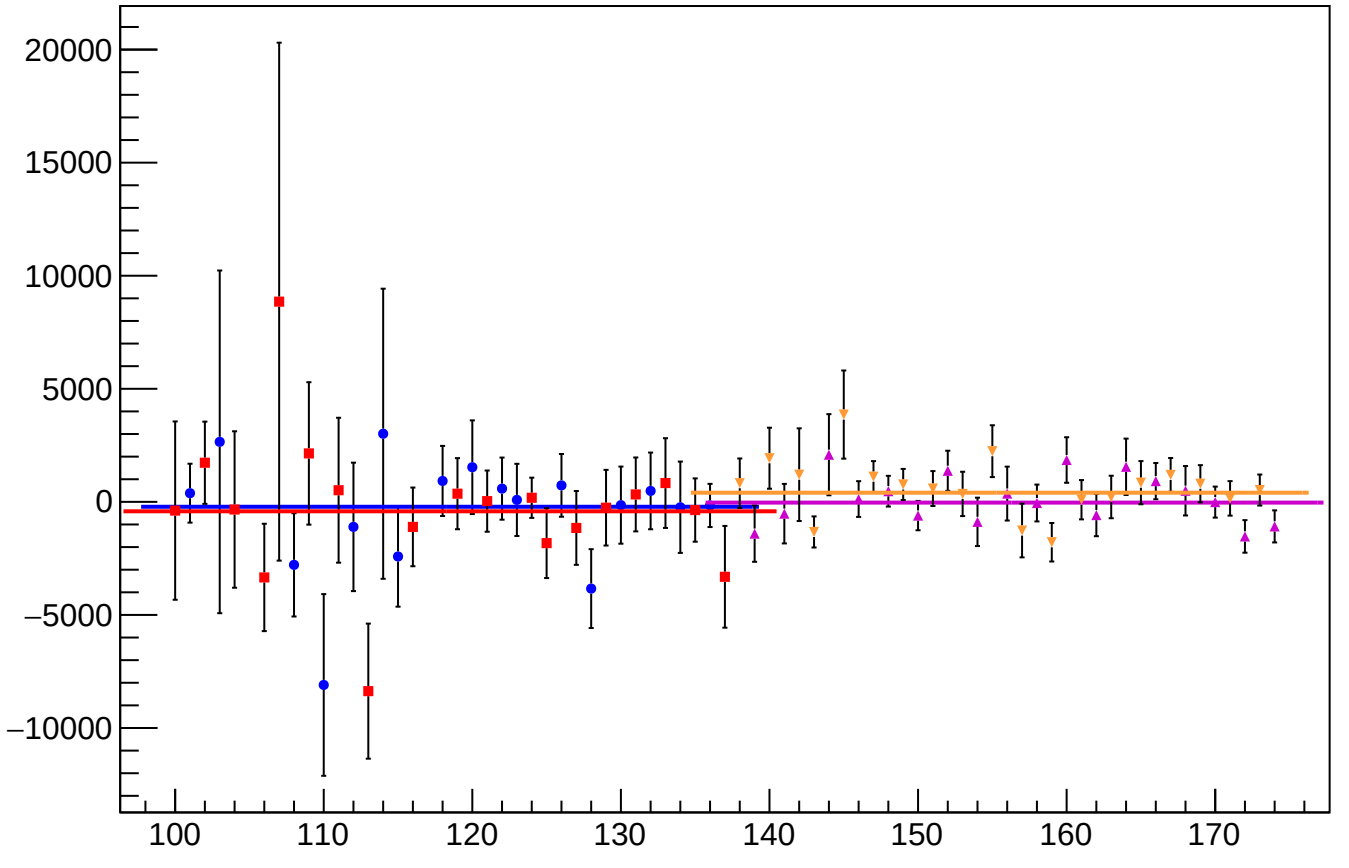
Left: 2421.802+/-0.323 χ^2/NDF: 79004.7/36

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

In: 2462.051+/-0.385 χ^2/NDF:307620.6/34

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

All: 2481.791+/-0.273 χ^2/NDF: 995637.0/72



Right In: -217.017+/-420.077 χ^2/NDF: 13.4/16

Left Out: 405.603+/-202.111 χ^2/NDF:25.5/18

Right Out: -417.202+/-408.976 χ^2/NDF: 15.7/18

Left In: -32.557+/-207.418 χ^2/NDF:21.0/17

Left: 192.201+/-144.754 χ^2/NDF: 48.8/36

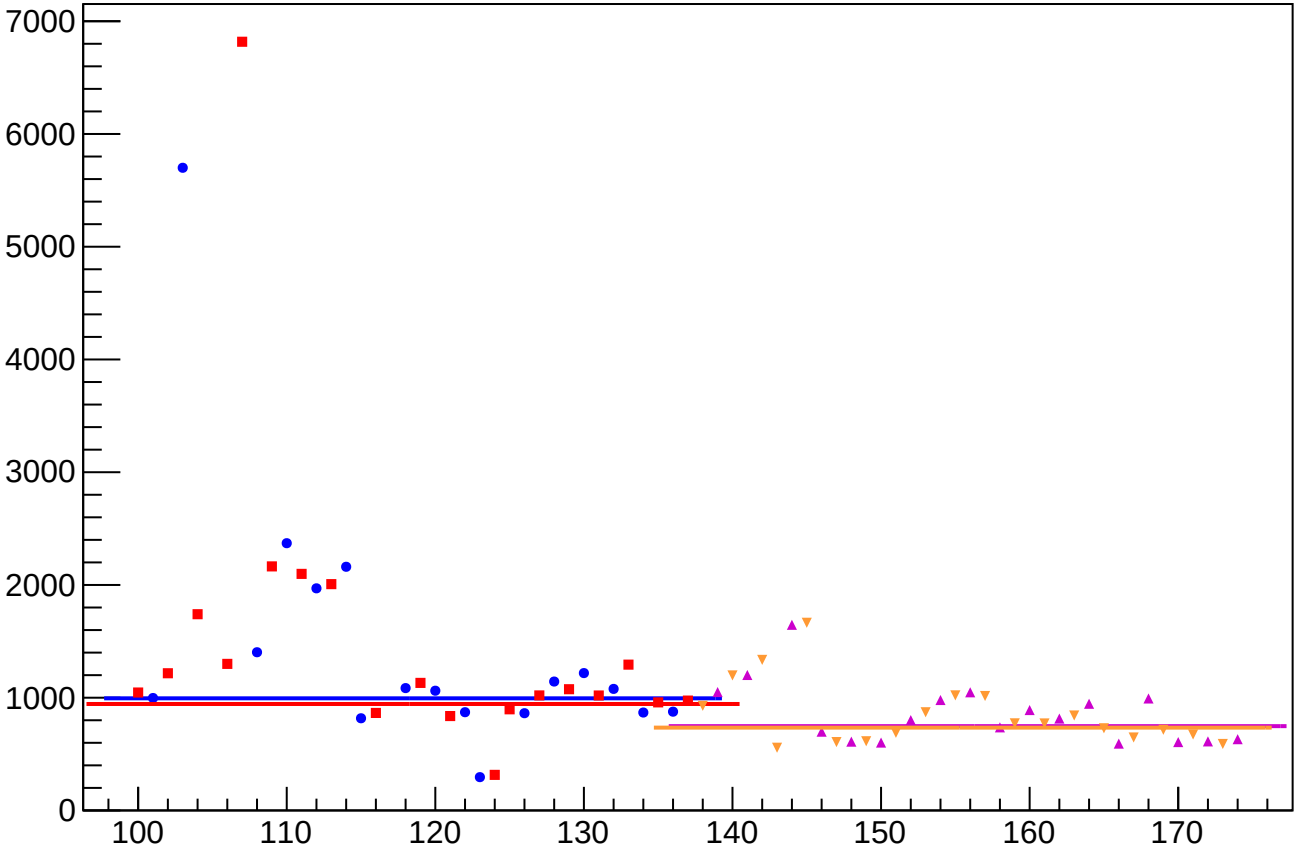
Right: -319.789+/-293.036 χ^2/NDF: 29.2/35

In: -68.713+/-185.982 χ^2/NDF:34.5/34

Out: 244.100+/-181.193 χ^2/NDF:44.5/37

All: 91.773+/-129.783 χ^2/NDF: 80.5/72

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: 747.797+/-0.147 χ^2/NDF:1762283.8/17

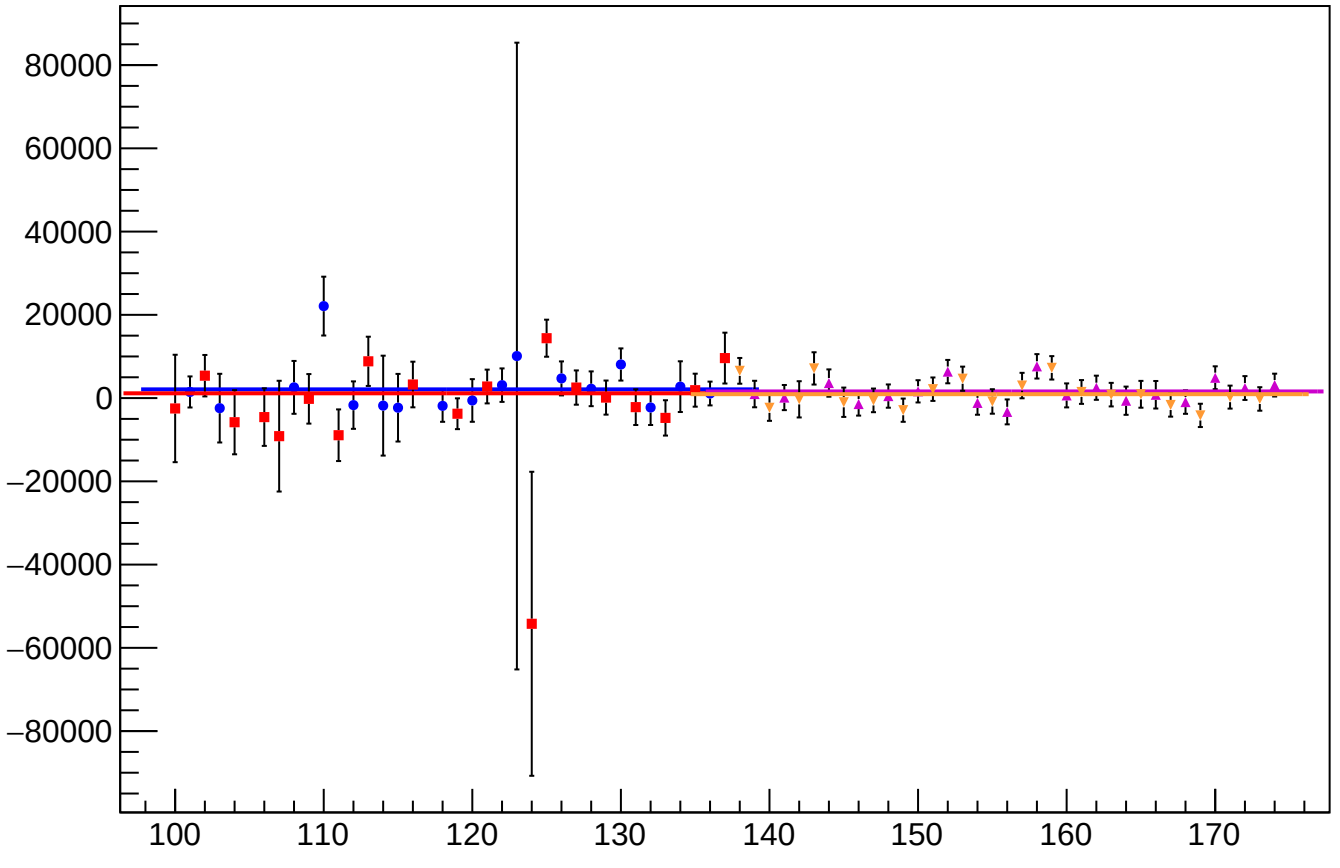
Left: 741.055+/-0.102 χ^2/NDF: 3404483.3/36

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

In: 796.162+/-0.132 χ^2/NDF:4221603.9/34

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

All: 785.716+/-0.092 χ^2/NDF: 8960326.5/72



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: 1596.147+/-688.912 χ^2/NDF:16.1/17

Left: 1269.189+/-487.136 χ^2/NDF: 38.1/36

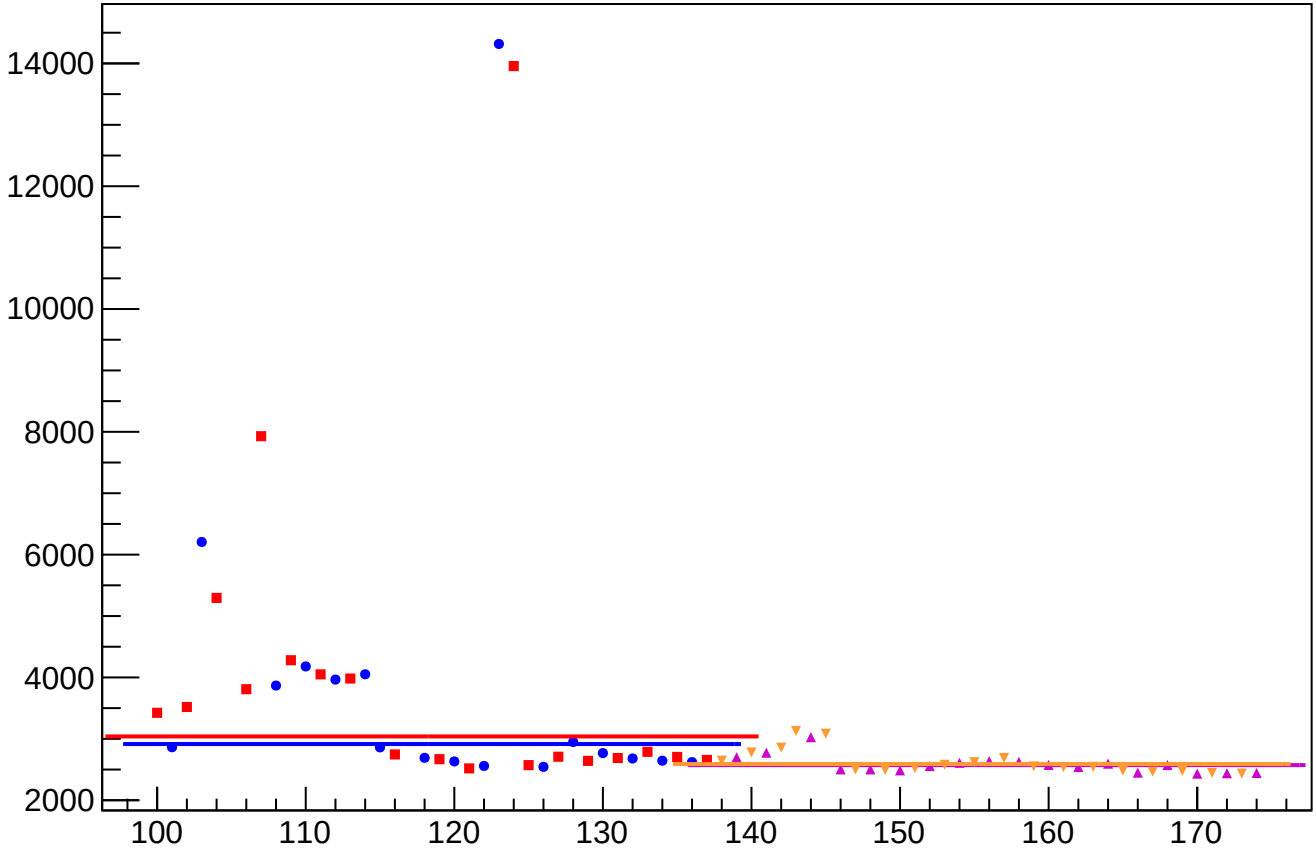
Right: 1631.633+/-829.783 χ^2/NDF: 40.1/35

In: 1725.900+/-592.384 χ^2/NDF:30.8/34

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

All: 1362.087+/-420.094 χ^2/NDF: 78.3/72

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: 2571.954+/-0.487 χ^2/NDF:74010.9/17

Left: 2580.735+/-0.344 χ^2/NDF: 197988.2/36

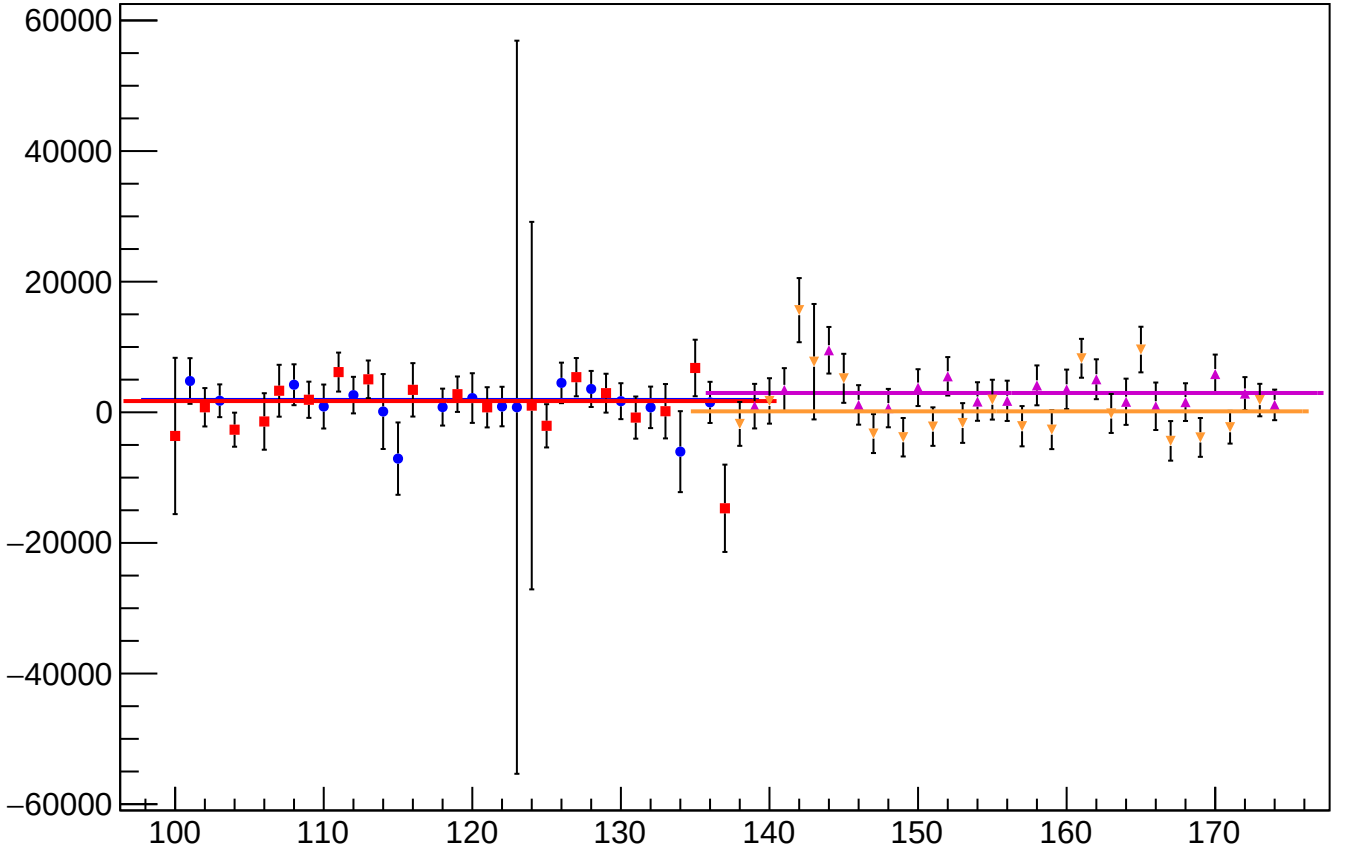
Right: 2975.767+/-0.587 χ^2/NDF: 1661668.2/35

In: 2661.404+/-0.419 χ^2/NDF:842533.6/34

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

All: 2681.985+/-0.297 χ^2/NDF: 2196754.6/72

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 1889.943+/-811.431 χ^2/NDF: 7.3/16

Left Out: 147.489+/-721.146 χ^2/NDF:39.2/18

Right Out: 1719.130+/-790.110 χ^2/NDF: 19.0/18

Left In: 2958.186+/-708.446 χ^2/NDF:8.8/17

Left: 1577.804+/-505.377 χ^2/NDF: 55.7/36

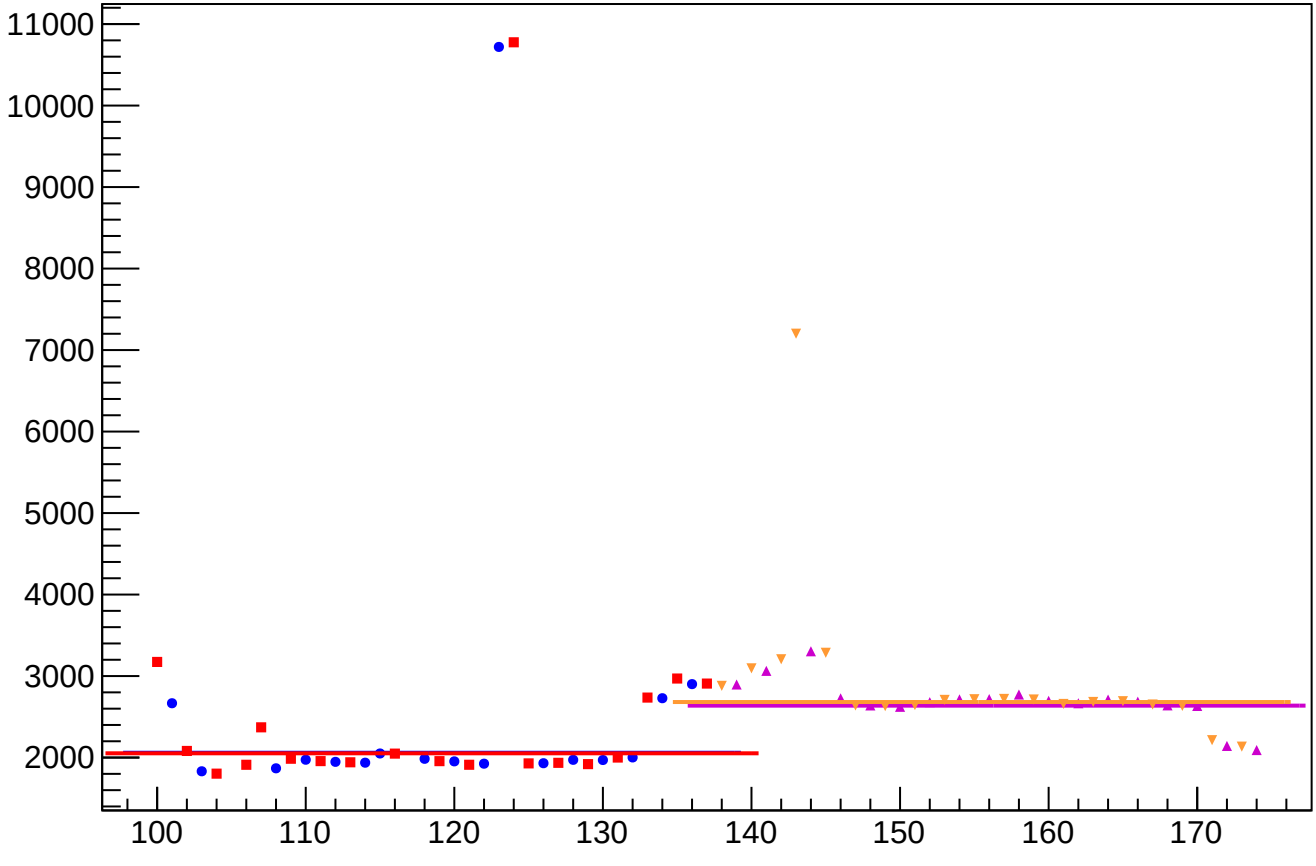
Right: 1802.263+/-566.080 χ^2/NDF: 26.2/35

In: 2496.116+/-533.667 χ^2/NDF:17.0/34

Out: 861.739+/-532.643 χ^2/NDF:60.3/37

All: 1677.358+/-376.997 χ^2/NDF: 82.0/72

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: 2637.160+/-0.501 χ^2/NDF:310981.7/17

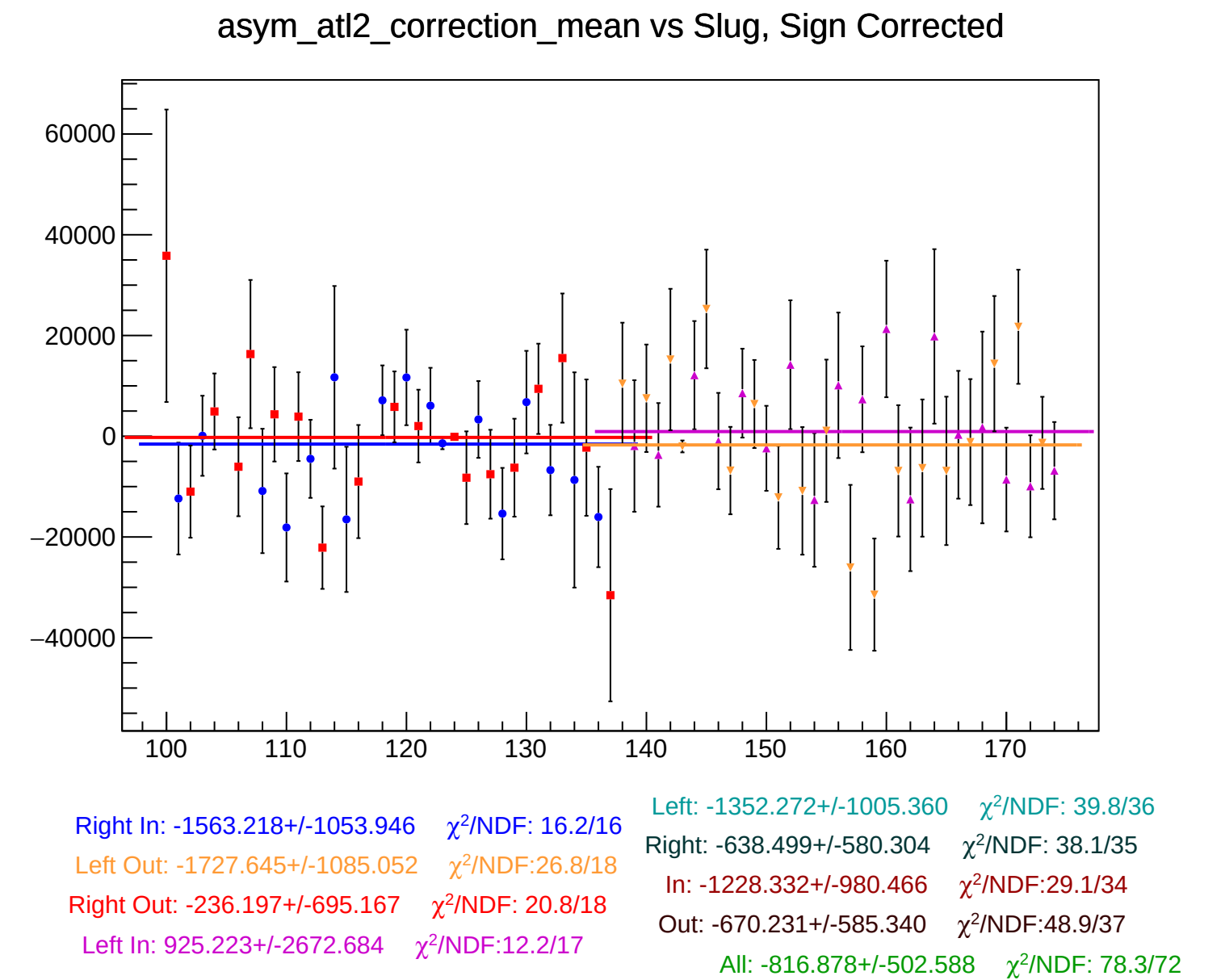
Left: 2658.891+/-0.357 χ^2/NDF: 1117535.5/36

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

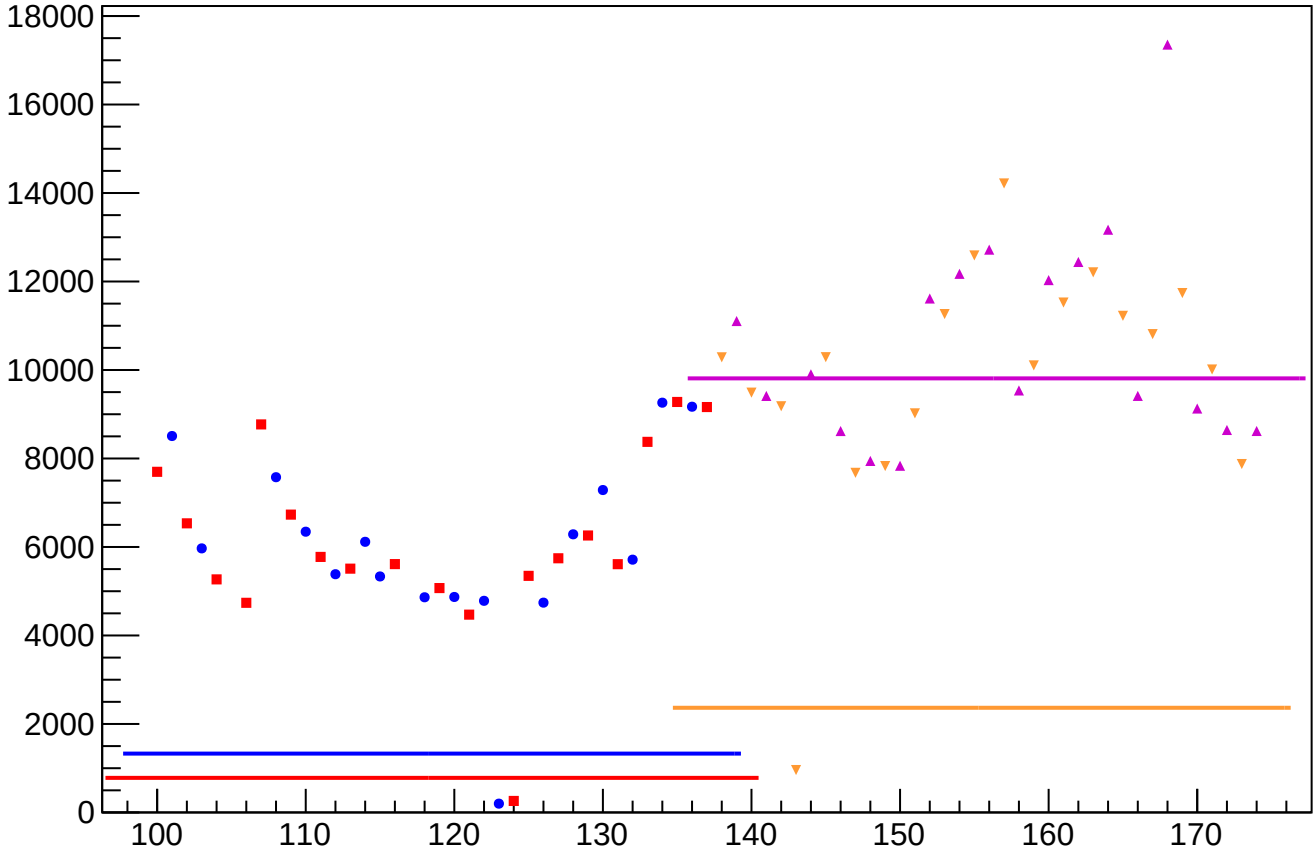
In: 2387.060+/-0.377 χ^2/NDF:1205785.4/34

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

All: 2391.280+/-0.267 χ^2/NDF: 3143891.7/72


asym_atl2_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
110
120
130
140
150
160
170
Right In: -1563.218+/-1053.946 χ²/NDF: 16.2/16
Left Out: -1727.645+/-1085.052 χ²/NDF:26.8/18
Right Out: -236.197+/-695.167 χ²/NDF: 20.8/18
Left In: 925.223+/-2672.684 χ²/NDF:12.2/17
Left: -1352.272+/-1005.360 χ²/NDF: 39.8/36
Right: -638.499+/-580.304 χ²/NDF: 38.1/35
In: -1228.332+/-980.466 χ²/NDF:29.1/34
Out: -670.231+/-585.340 χ²/NDF:48.9/37
All: -816.878+/-502.588 χ²/NDF: 78.3/72

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: 9810.461+/-1.890 χ^2/NDF:1017437.9/17

Left: 3419.222+/-0.711 χ^2/NDF: 32992327.8/36

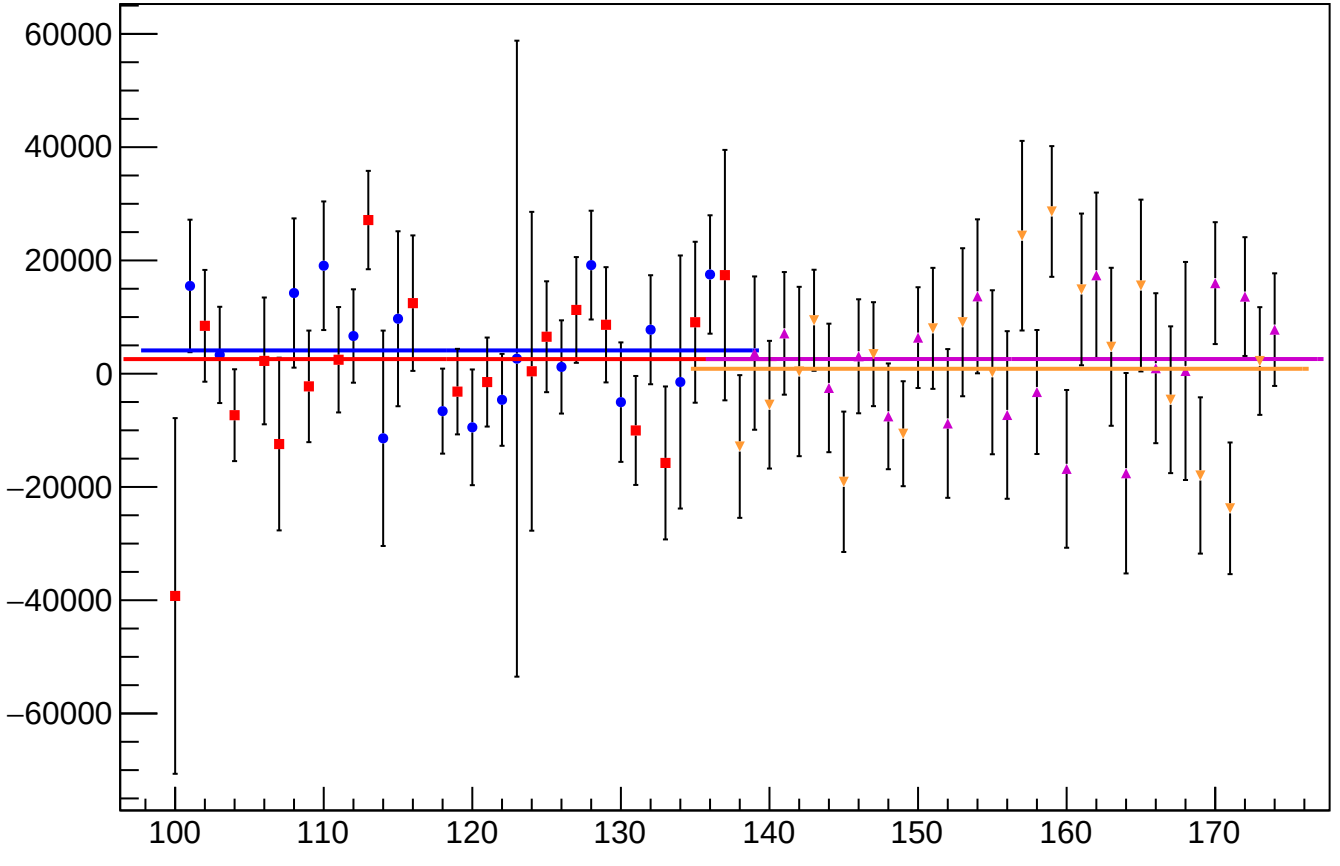
Right: 948.102+/-0.410 χ^2/NDF: 21864055.1/35

In: 2471.488+/-0.693 χ^2/NDF:28489421.2/34

Out: 1242.809+/-0.414 χ^2/NDF:33114783.1/37

All: 1565.657+/-0.355 χ^2/NDF: 63919734.6/7

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: 2590.139+/-2783.075 χ^2/NDF:11.1/17

Left: 1704.305+/-1940.687 χ^2/NDF: 35.2/36

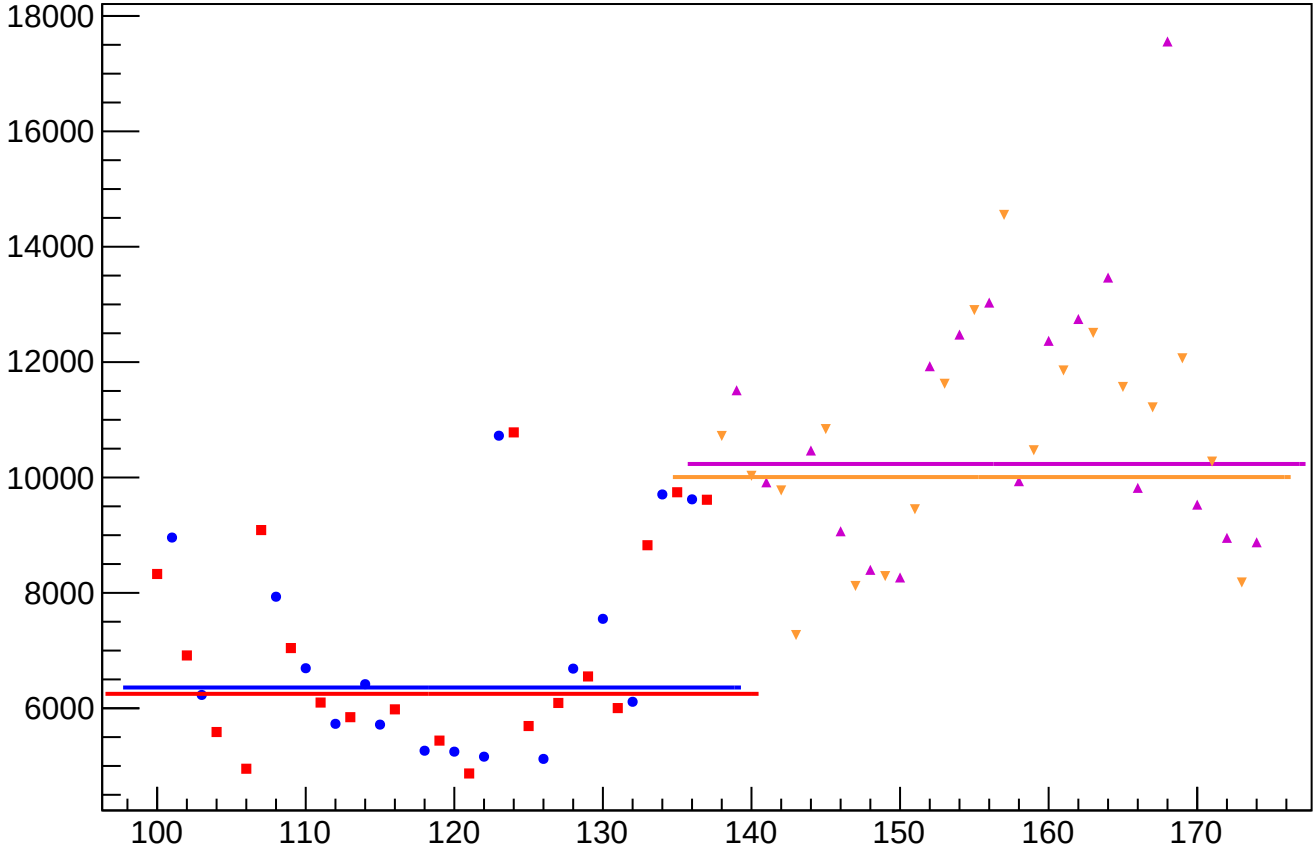
Right: 3309.487+/-1750.441 χ^2/NDF: 34.5/35

In: 3421.954+/-1873.869 χ^2/NDF:25.6/34

Out: 1817.338+/-1804.532 χ^2/NDF:44.1/37

All: 2589.410+/-1299.818 χ^2/NDF: 70.0/72

asym_atl2_rms vs Slug, Sign Corrected



Right In: 6359.928+/-1.792 χ^2/NDF: 580471.0/16

Left Out: 10007.649+/-1.915 χ^2/NDF:884288.0/18

Right Out: 6250.049+/-1.711 χ^2/NDF: 532966.2/18

Left In: 10234.550+/-1.968 χ^2/NDF:922728.5/17

Left: 10117.980+/-1.372 χ^2/NDF: 1813846.2/36

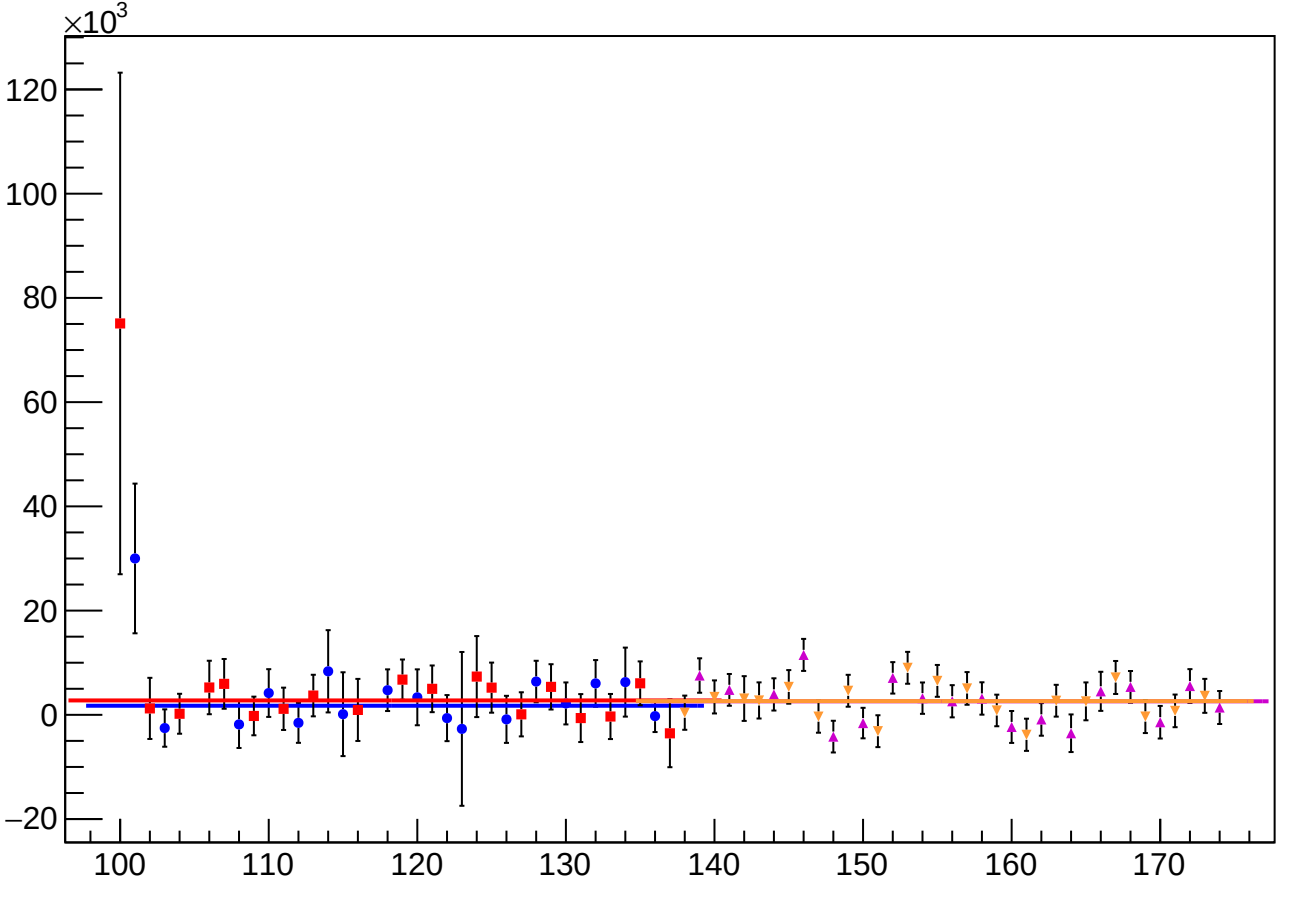
Right: 6302.460+/-1.238 χ^2/NDF: 1115403.3/35

In: 8116.460+/-1.325 χ^2/NDF:3622311.9/34

Out: 7919.052+/-1.276 χ^2/NDF:3558342.4/37

All: 8014.034+/-0.919 χ^2/NDF: 7192171.0/72

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: 2597.618+/-740.256 χ^2/NDF:31.0/17

Left: 2614.381+/-521.494 χ^2/NDF: 51.9/36

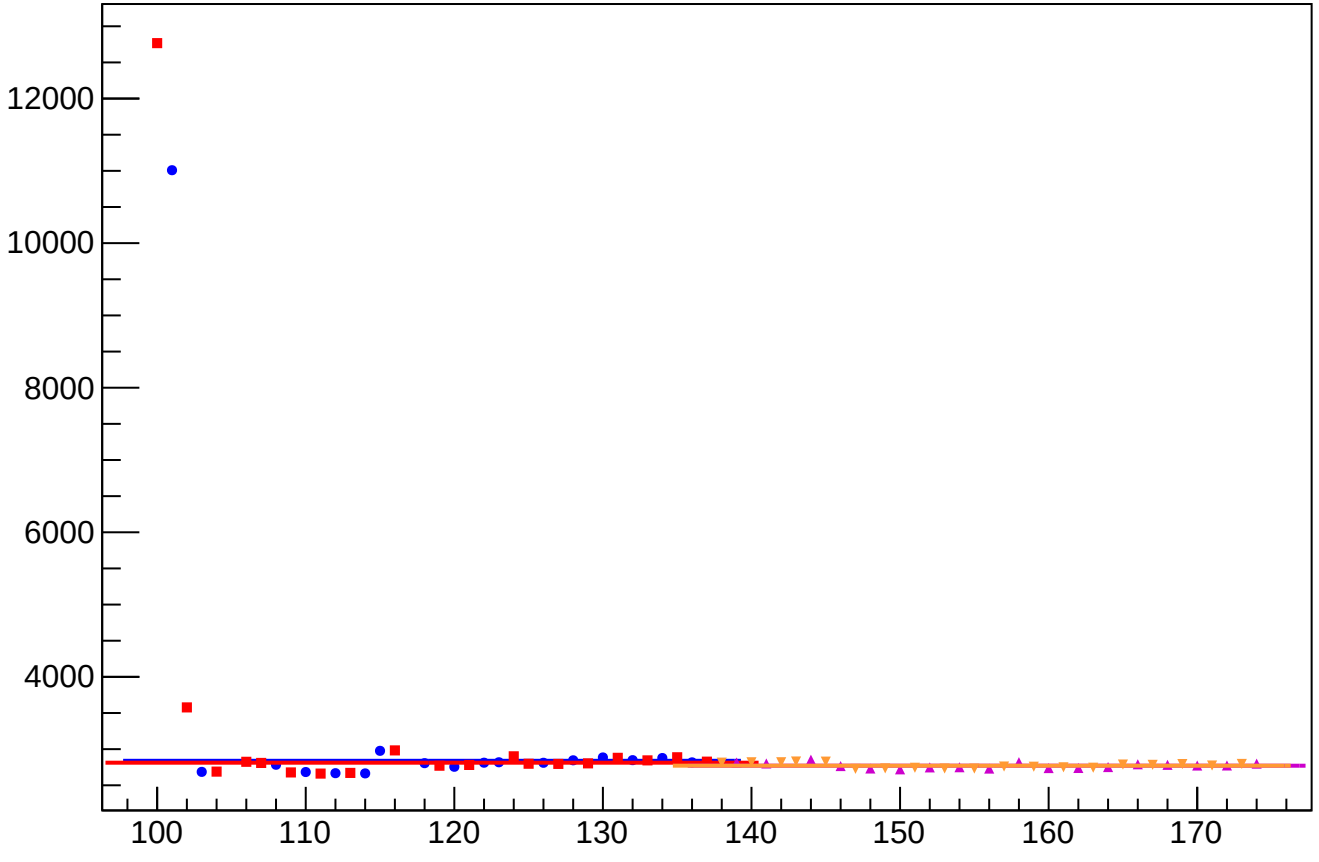
Right: 2281.084+/-777.212 χ^2/NDF: 22.3/35

In: 2341.424+/-618.974 χ^2/NDF:43.7/34

Out: 2673.401+/-606.066 χ^2/NDF:30.5/37

All: 2510.910+/-433.045 χ^2/NDF: 74.3/72

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2838.737+/-0.798 χ^2/NDF: 660209.3/16

Left Out: 2771.374+/-0.520 χ^2/NDF:4335.5/18

Right Out: 2812.627+/-0.758 χ^2/NDF: 133064.0/18

Left In: 2770.894+/-0.523 χ^2/NDF:4706.3/17

Left: 2771.136+/-0.369 χ^2/NDF: 9042.2/36

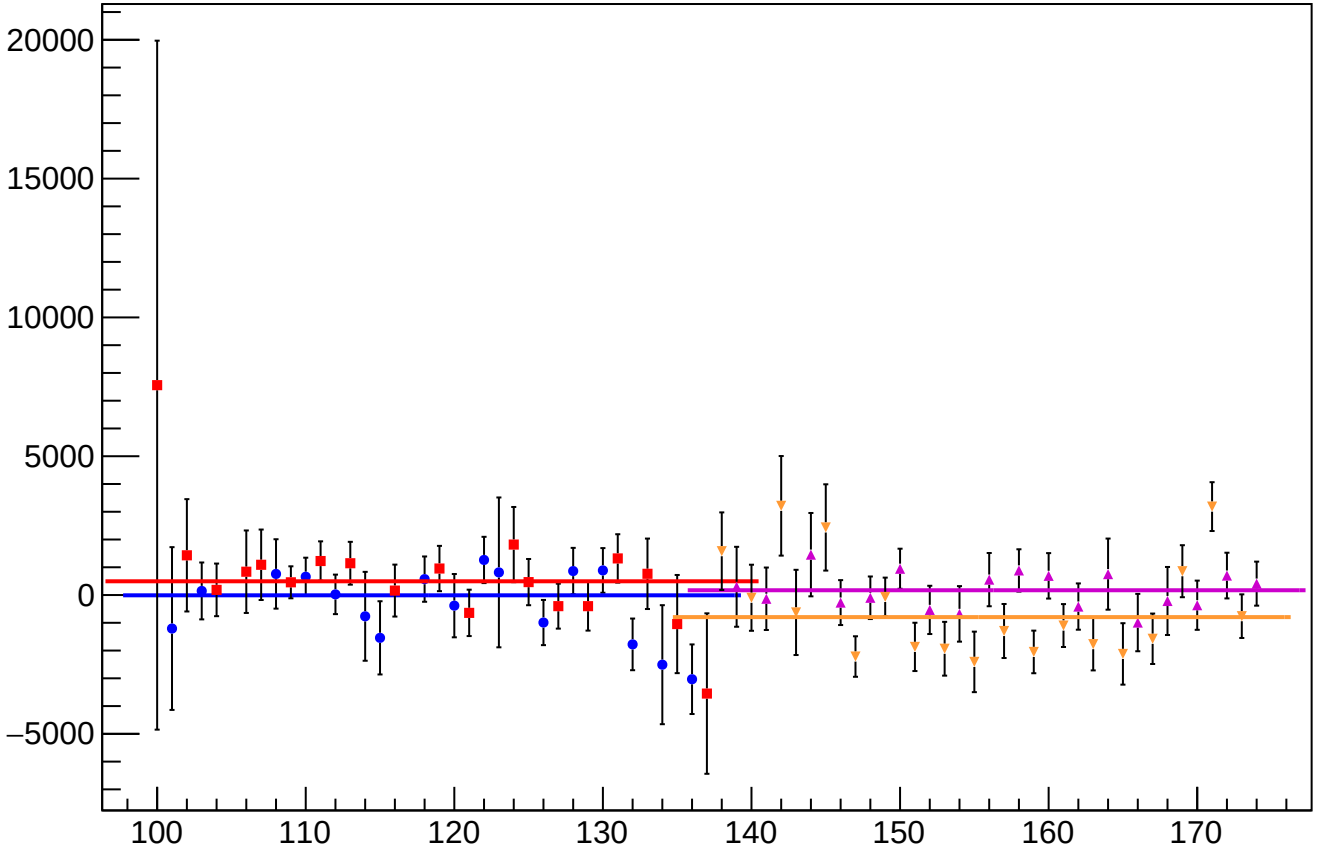
Right: 2825.011+/-0.550 χ^2/NDF: 793836.1/35

In: 2791.304+/-0.438 χ^2/NDF:669969.2/34

Out: 2784.561+/-0.429 χ^2/NDF:139414.7/37

All: 2787.861+/-0.306 χ^2/NDF: 809505.0/72

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: 172.304+/-215.769 χ^2/NDF:8.2/17

Left: -307.794+/-153.134 χ^2/NDF: 70.6/36

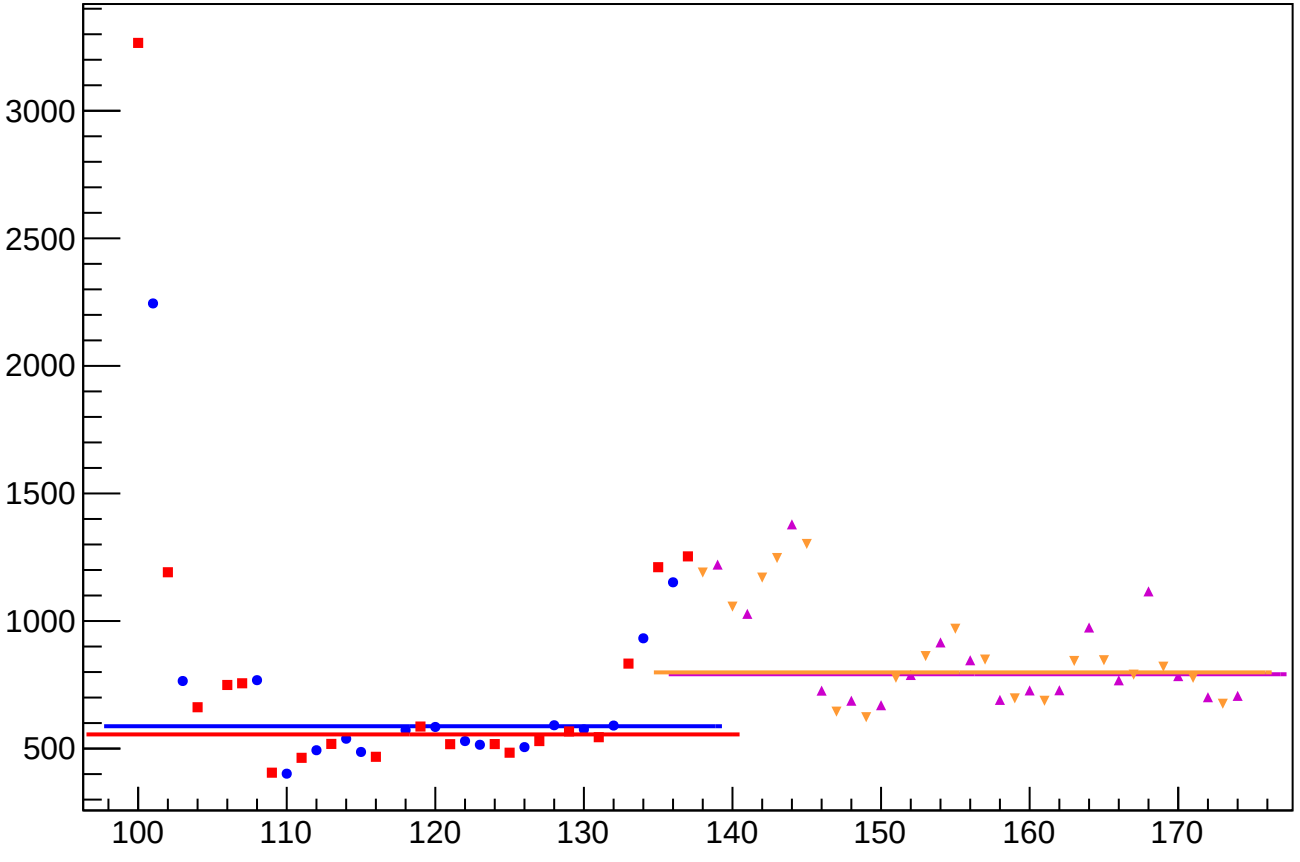
Right: 264.680+/-163.287 χ^2/NDF: 35.0/35

In: 91.513+/-160.955 χ^2/NDF:29.2/34

Out: -162.001+/-155.139 χ^2/NDF:81.6/37

All: -39.907+/-111.699 χ^2/NDF: 112.1/72

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: 791.371+/-0.153 χ^2/NDF:1004064.0/17

Left: 794.990+/-0.108 χ^2/NDF: 2139231.3/36

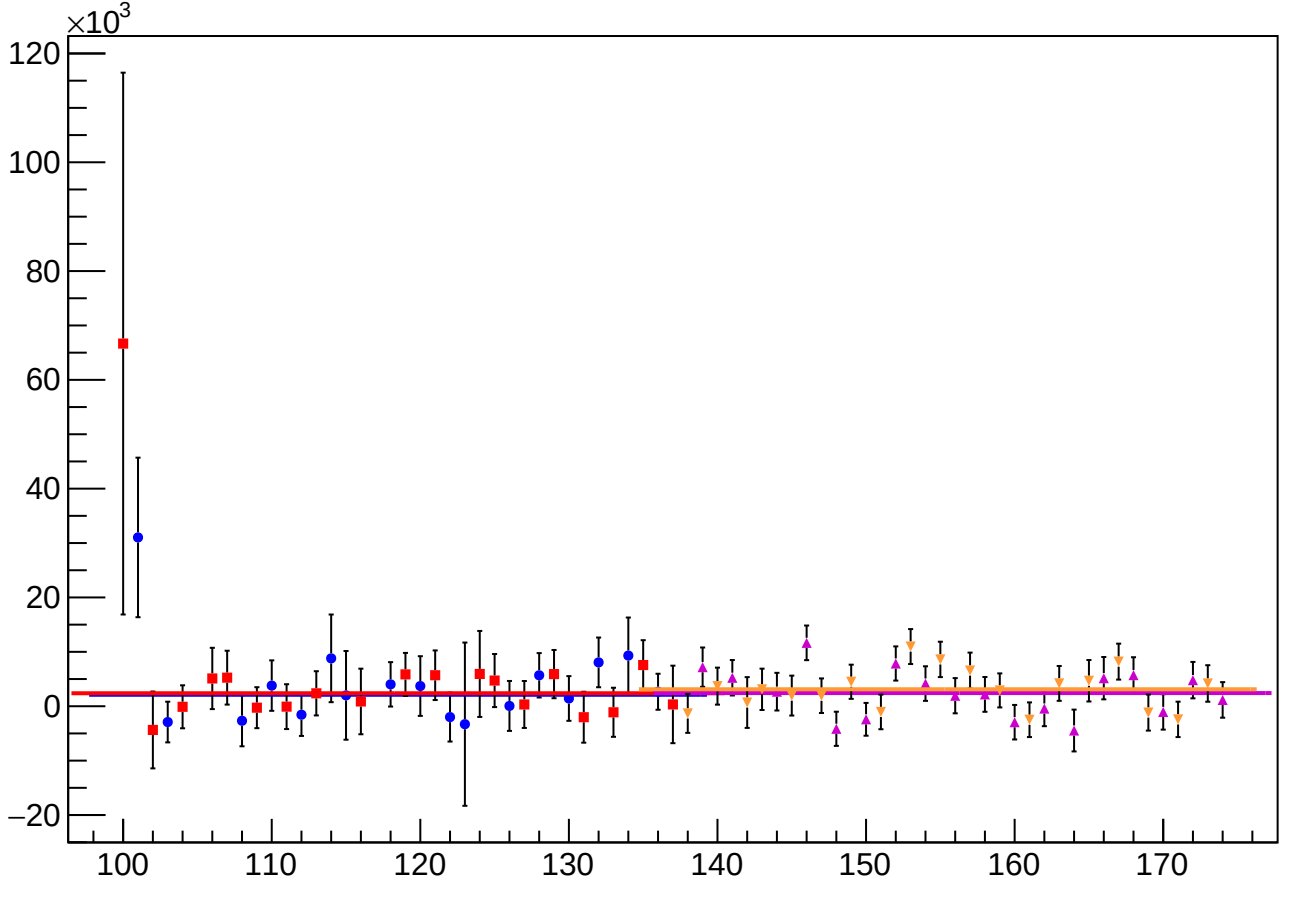
Right: 570.170+/-0.115 χ^2/NDF: 2551661.9/35

In: 700.988+/-0.114 χ^2/NDF:3221035.4/34

Out: 679.380+/-0.110 χ^2/NDF:3468381.2/37

All: 689.787+/-0.079 χ^2/NDF: 6708103.4/72

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: 2422.135+/-777.141 χ^2/NDF:31.3/17

Left: 2772.011+/-548.409 χ^2/NDF: 56.0/36

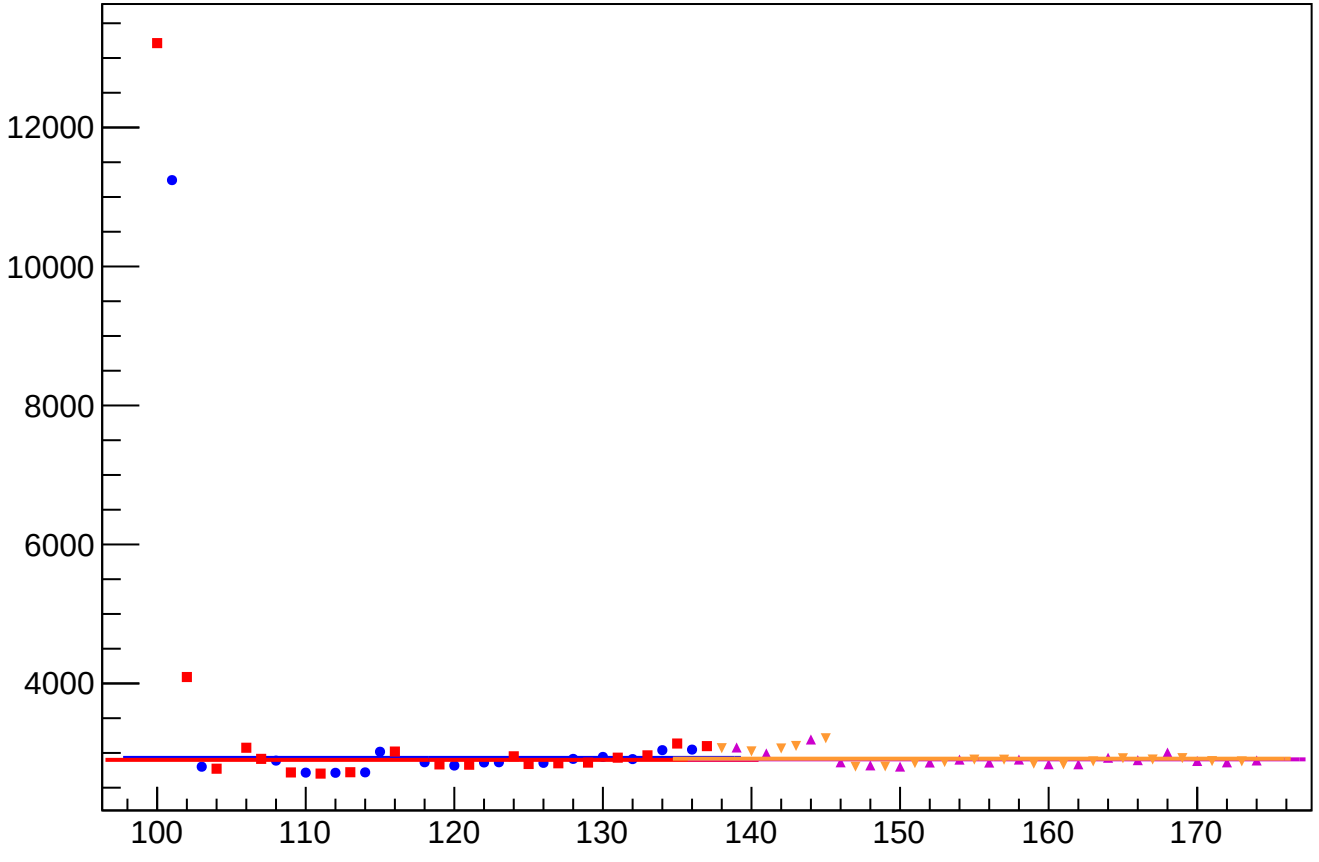
Right: 2253.766+/-803.505 χ^2/NDF: 23.4/35

In: 2325.474+/-646.385 χ^2/NDF:44.8/34

Out: 2879.263+/-634.939 χ^2/NDF:34.5/37

All: 2607.315+/-452.963 χ^2/NDF: 79.7/72

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: 2907.726+/-0.550 χ^2/NDF:28829.6/17

Left: 2912.590+/-0.388 χ^2/NDF: 63492.3/36

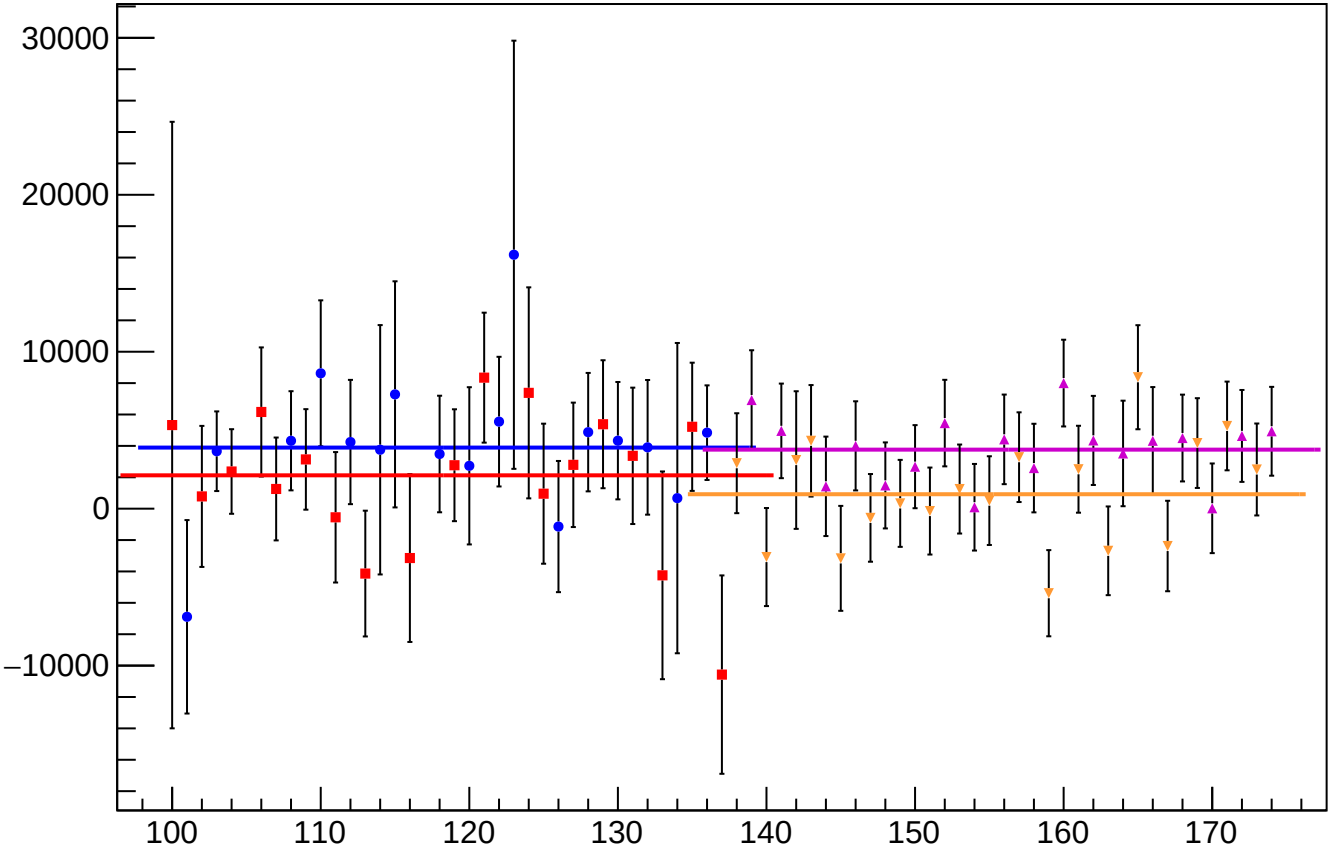
Right: 2913.915+/-0.568 χ^2/NDF: 832699.2/35

In: 2914.190+/-0.457 χ^2/NDF:691641.5/34

Out: 2911.873+/-0.449 χ^2/NDF:204540.7/37

All: 2913.011+/-0.320 χ^2/NDF: 896195.2/72

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3892.504+/-1011.718 χ^2/NDF: 7.1/16

Left Out: 920.430+/-682.636 χ^2/NDF:23.4/18

Right Out: 2124.700+/-958.418 χ^2/NDF: 14.3/18

Left In: 3761.071+/-682.947 χ^2/NDF:9.4/17

Left: 2340.103+/-482.806 χ^2/NDF: 41.5/36

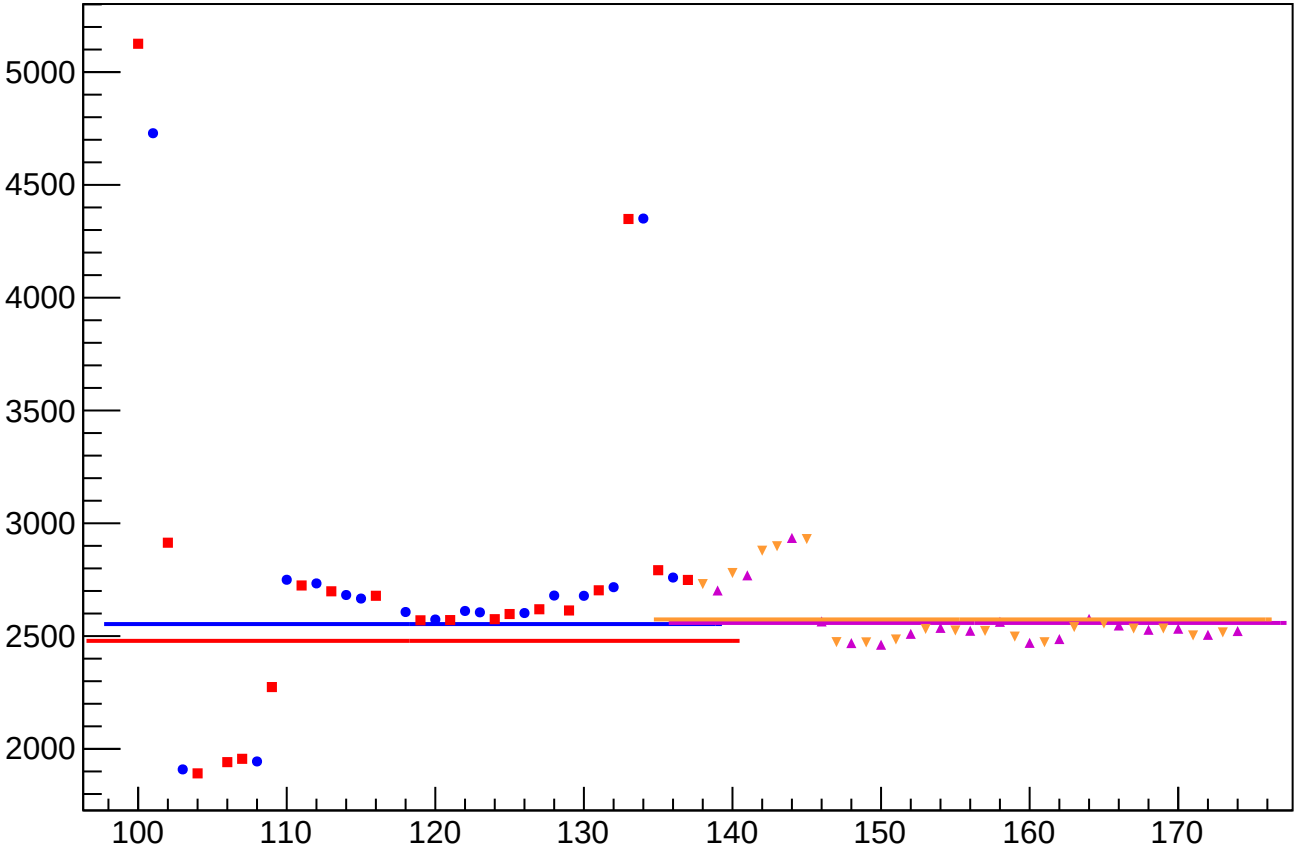
Right: 2960.811+/-695.784 χ^2/NDF: 23.1/35

In: 3802.214+/-566.050 χ^2/NDF:16.5/34

Out: 1325.743+/-556.018 χ^2/NDF:38.8/37

All: 2541.839+/-396.663 χ^2/NDF: 65.1/72

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: 2558.287+/-0.483 χ^2/NDF:52795.1/17

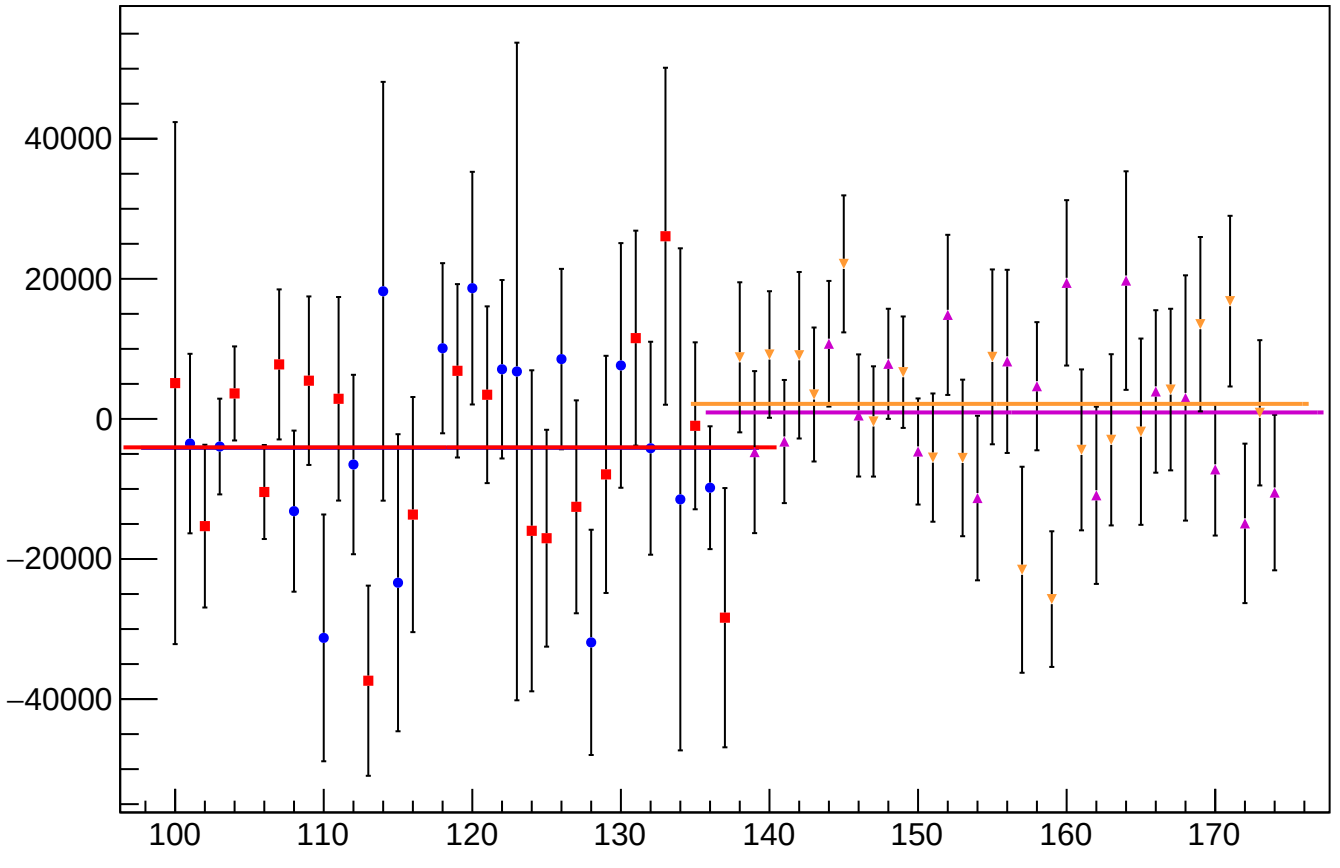
Left: 2566.072+/-0.341 χ^2/NDF: 132266.4/36

Right: 2514.058+/-0.492 χ^2/NDF: 1000433.0/35

In: 2556.720+/-0.400 χ^2/NDF:598055.7/34

Out: 2541.880+/-0.393 χ^2/NDF:541488.3/37

All: 2549.167+/-0.280 χ^2/NDF: 1140243.7/72



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: 924.442+/-2442.970 χ^2/NDF:14.6/17

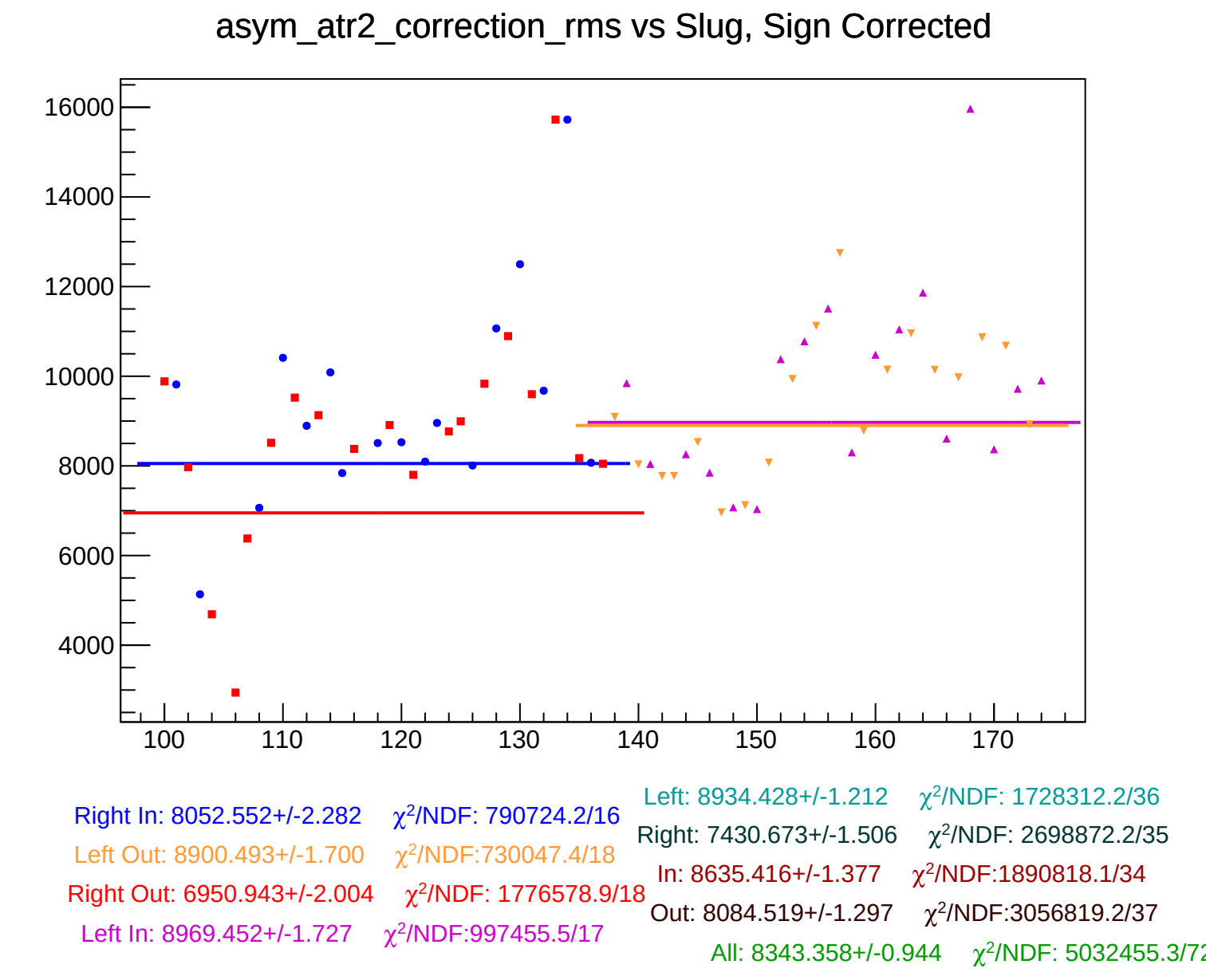
Left: 1546.025+/-1713.754 χ^2/NDF: 36.0/36

Right: -4089.066+/-2129.557 χ^2/NDF: 31.9/35

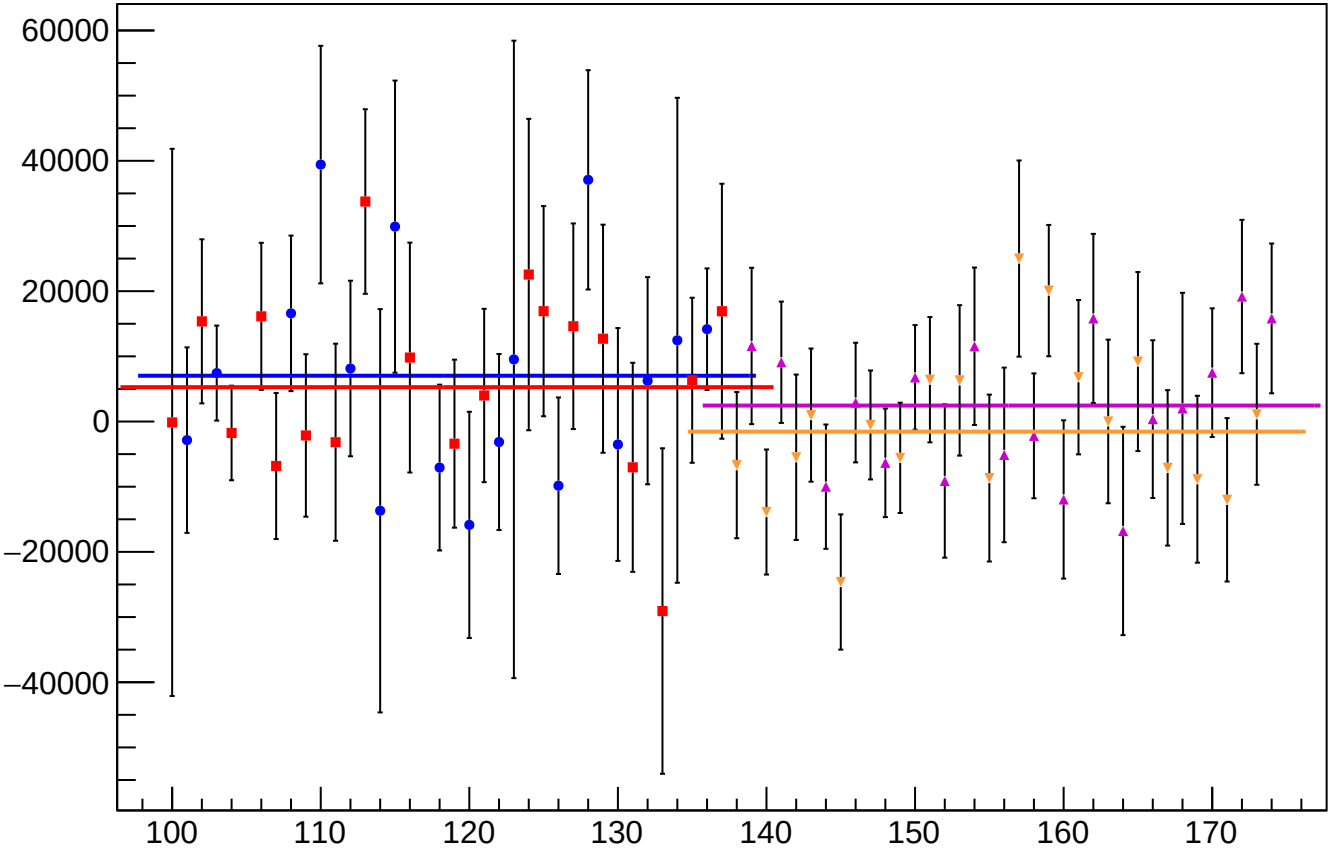
In: -915.604+/-1947.784 χ^2/NDF:29.6/34

Out: -450.296+/-1833.669 χ^2/NDF:42.5/37

All: -668.921+/-1335.120 χ^2/NDF: 72.1/72


asym_atr2_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
110
120
130
140
150
160
170
Right In: 8052.552+/-2.282 χ²/NDF: 790724.2/16
Left Out: 8900.493+/-1.700 χ²/NDF:730047.4/18
Right Out: 6950.943+/-2.004 χ²/NDF: 1776578.9/18
Left In: 8969.452+/-1.727 χ²/NDF:997455.5/17
Left: 8934.428+/-1.212 χ²/NDF: 1728312.2/36
Right: 7430.673+/-1.506 χ²/NDF: 2698872.2/35
In: 8635.416+/-1.377 χ²/NDF:1890818.1/34
Out: 8084.519+/-1.297 χ²/NDF:3056819.2/37
All: 8343.358+/-0.944 χ²/NDF: 5032455.3/72

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: 2449.084+/-2551.926 χ^2/NDF:13.9/17

Left: 423.774+/-1792.429 χ^2/NDF: 33.9/36

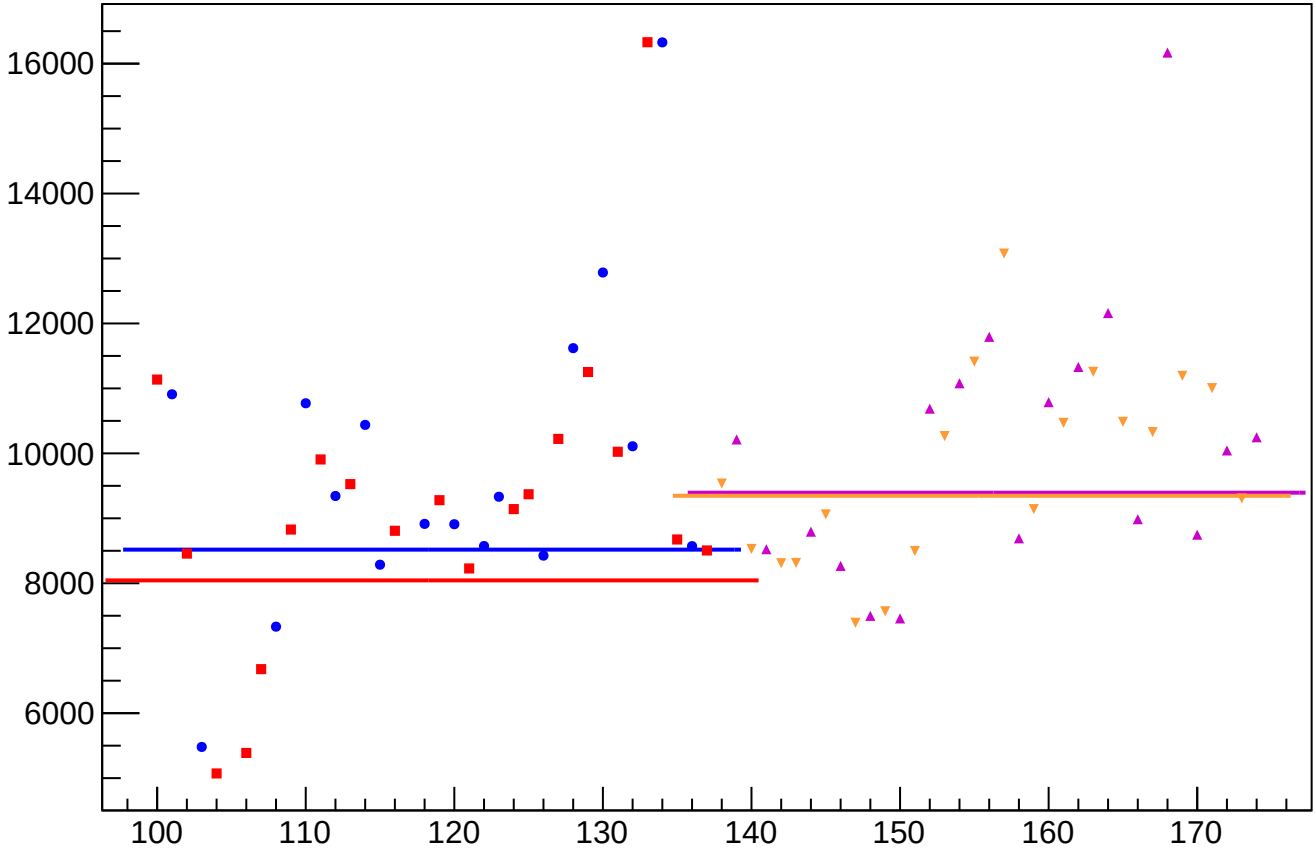
Right: 6084.354+/-2320.872 χ^2/NDF: 28.5/35

In: 4092.275+/-2043.033 χ^2/NDF:30.0/34

Out: 1092.170+/-1971.322 χ^2/NDF:35.0/37

All: 2538.647+/-1418.610 χ^2/NDF: 66.2/72

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: 9394.631+/-1.804 χ^2/NDF:873721.9/17

Left: 9370.546+/-1.267 χ^2/NDF: 1494435.7/36

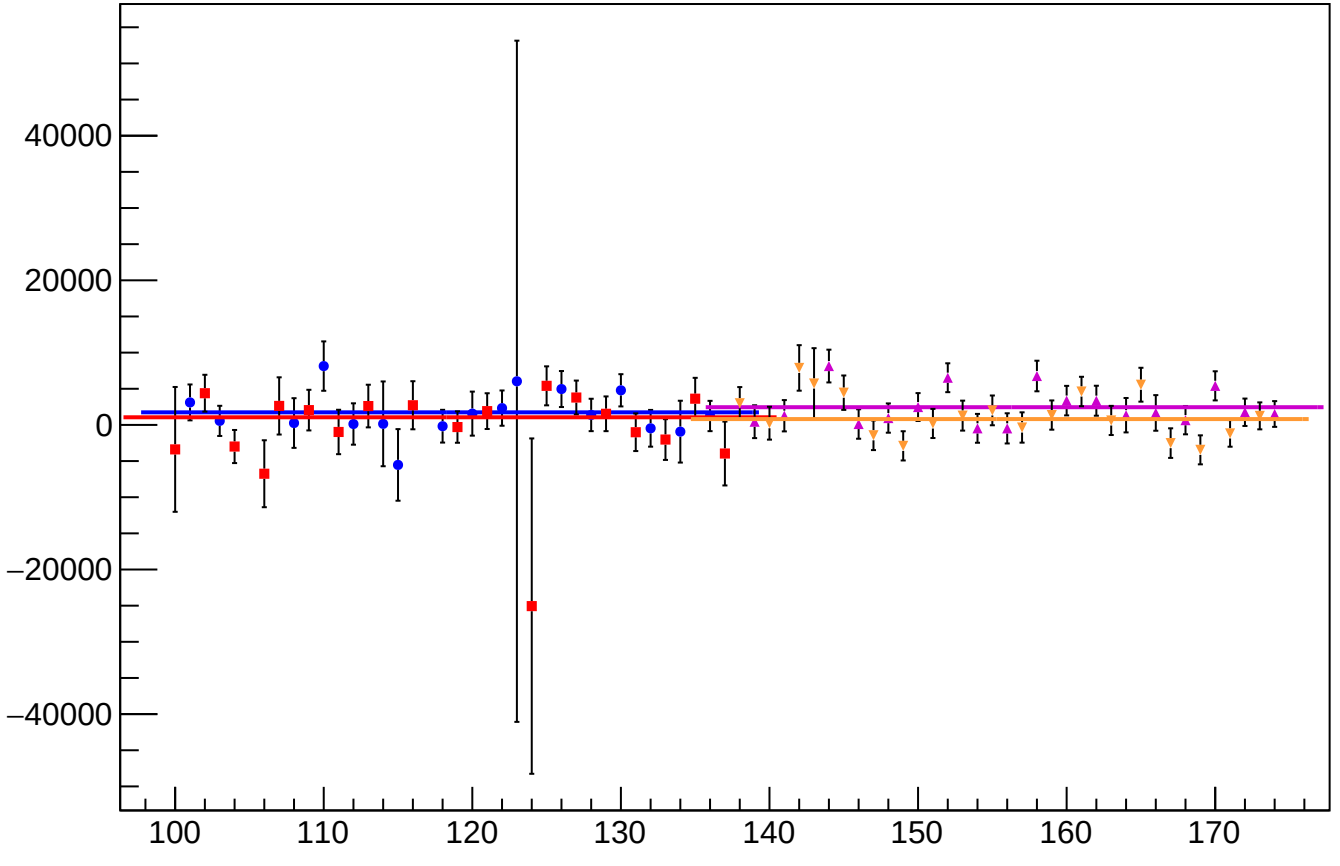
Right: 8263.573+/-1.641 χ^2/NDF: 1736141.9/35

In: 9079.823+/-1.445 χ^2/NDF:1721767.4/34

Out: 8842.565+/-1.394 χ^2/NDF:1779848.0/37

All: 8956.955+/-1.003 χ^2/NDF: 3515583.5/72

reg_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1739.640+/-670.395 χ^2/NDF: 12.4/16

Left Out: 807.851+/-492.596 χ^2/NDF:30.8/18

Right Out: 1055.584+/-670.984 χ^2/NDF: 18.9/18

Left In: 2450.567+/-486.509 χ^2/NDF:25.8/17

Left: 1639.421+/-346.146 χ^2/NDF: 62.2/36

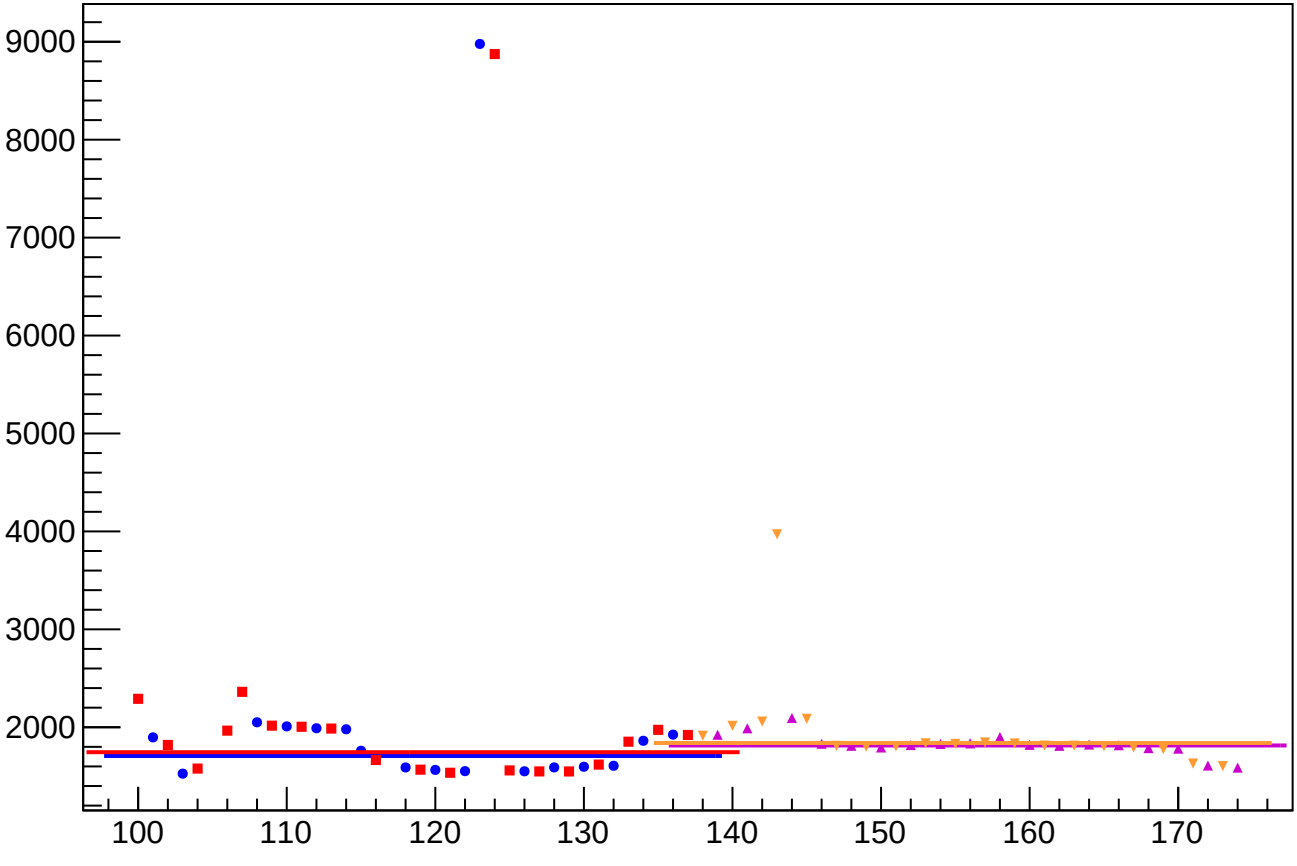
Right: 1397.913+/-474.249 χ^2/NDF: 31.8/35

In: 2205.319+/-393.751 χ^2/NDF:38.9/34

Out: 894.610+/-397.079 χ^2/NDF:49.8/37

All: 1555.481+/-279.593 χ^2/NDF: 94.2/72

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1706.867+/-0.474 χ^2/NDF: 197555.1/16

Left Out: 1839.475+/-0.348 χ^2/NDF:489408.8/18

Right Out: 1745.434+/-0.472 χ^2/NDF: 399811.9/18

Left In: 1814.190+/-0.344 χ^2/NDF:109047.4/17

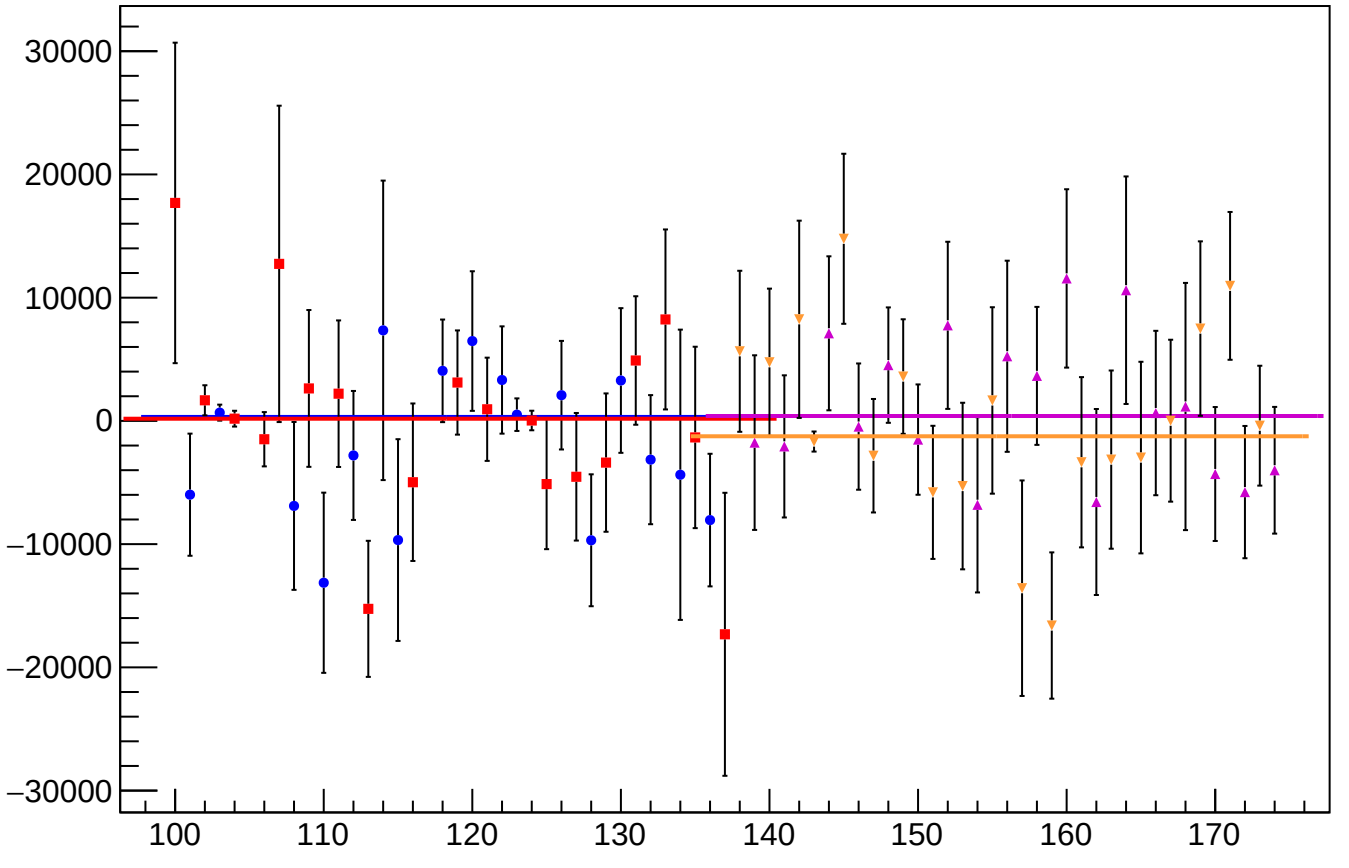
Left: 1826.675+/-0.245 χ^2/NDF: 601123.6/36

Right: 1726.220+/-0.335 χ^2/NDF: 600688.4/35

In: 1777.167+/-0.278 χ^2/NDF:340177.7/34

Out: 1806.349+/-0.280 χ^2/NDF:914896.7/37

All: 1791.658+/-0.198 χ^2/NDF: 1260529.7/72



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: 397.347+/-1433.760 χ^2/NDF:12.6/17

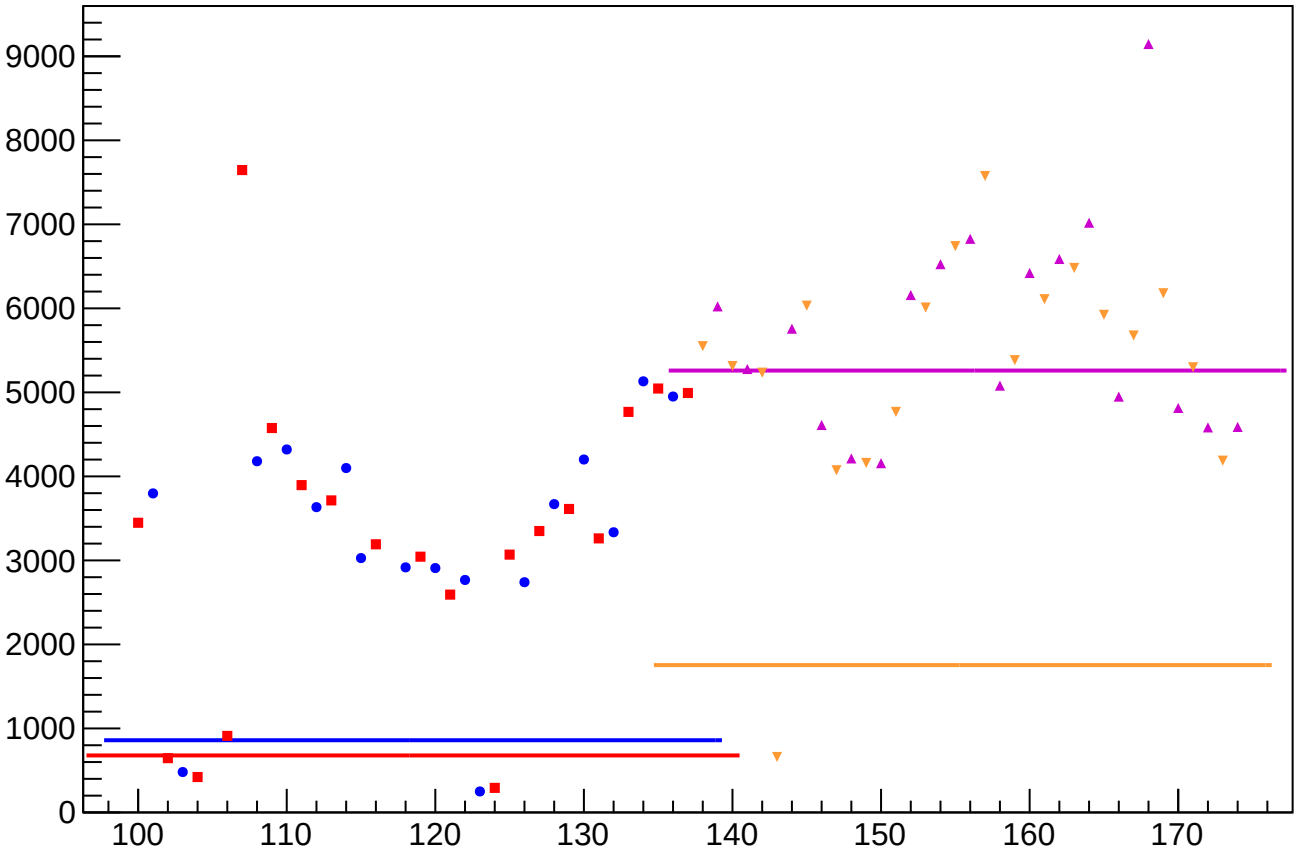
Left: -922.382+/-637.636 χ^2/NDF: 39.9/36

Right: 233.134+/-338.167 χ^2/NDF: 38.8/35

In: 330.408+/-505.661 χ^2/NDF:30.6/34

Out: -208.715+/-370.290 χ^2/NDF:49.9/37

All: -20.527+/-298.752 χ^2/NDF: 81.3/72



Right In: 859.557+/-0.382 χ^2/NDF: 8143264.5/16

Left Out: 1753.985+/-0.503 χ^2/NDF:16017341.6/18

Right Out: 678.603+/-0.307 χ^2/NDF: 8384814.2/18

Left In: 5259.548+/-1.014 χ^2/NDF:1041434.8/17

Left: 2447.331+/-0.451 χ^2/NDF: 26650210.0/36

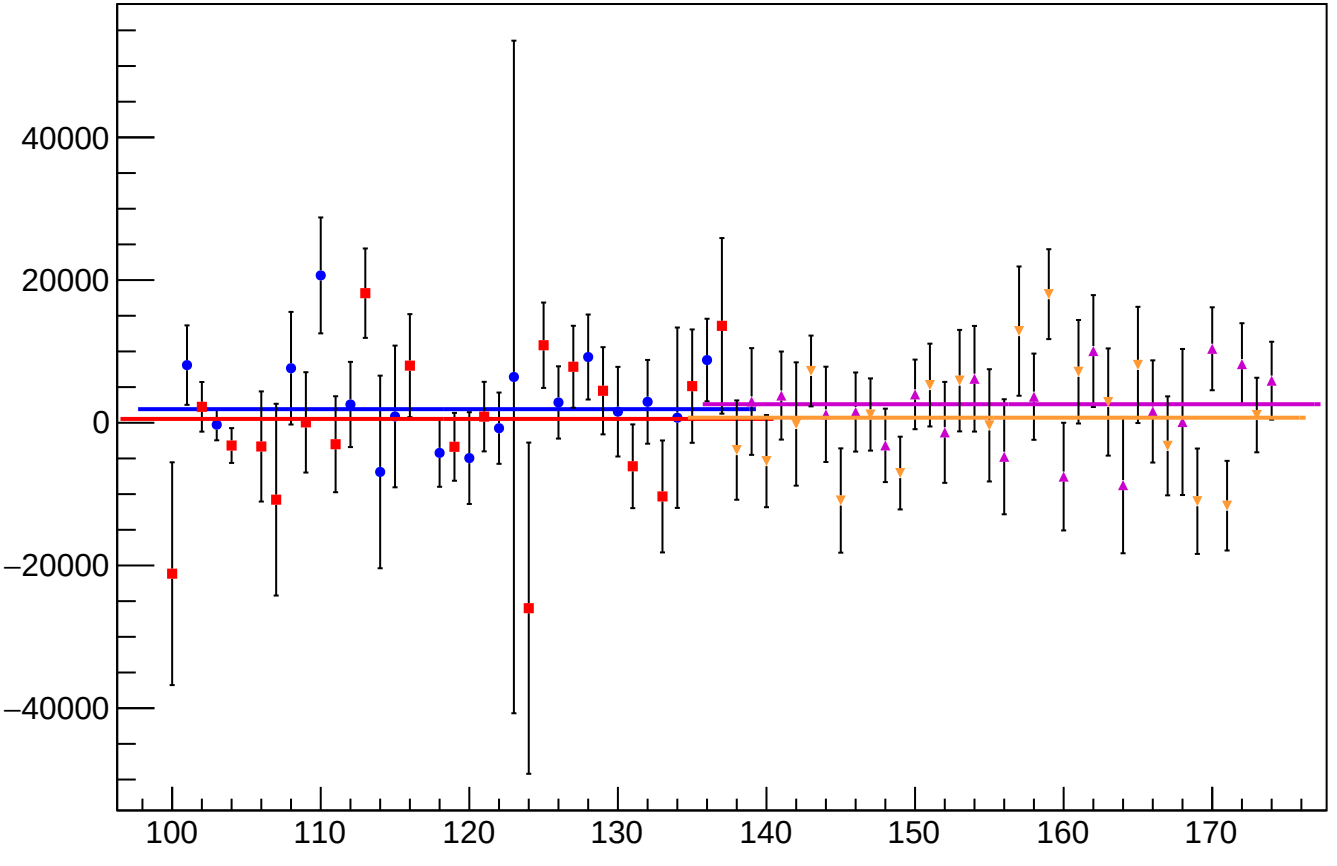
Right: 749.467+/-0.239 χ^2/NDF: 16664518.8/35

In: 1406.846+/-0.358 χ^2/NDF:25677487.1/34

Out: 969.536+/-0.262 χ^2/NDF:27731079.2/37

All: 1122.185+/-0.211 χ^2/NDF: 54382278.1/7

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1909.348+/-1310.219 χ^2/NDF: 14.6/16

Left Out: 711.962+/-1489.440 χ^2/NDF:26.8/18

Right Out: 539.549+/-1285.817 χ^2/NDF: 26.4/18

Left In: 2601.438+/-1529.820 χ^2/NDF:10.2/17

Left: 1631.435+/-1067.183 χ^2/NDF: 37.8/36

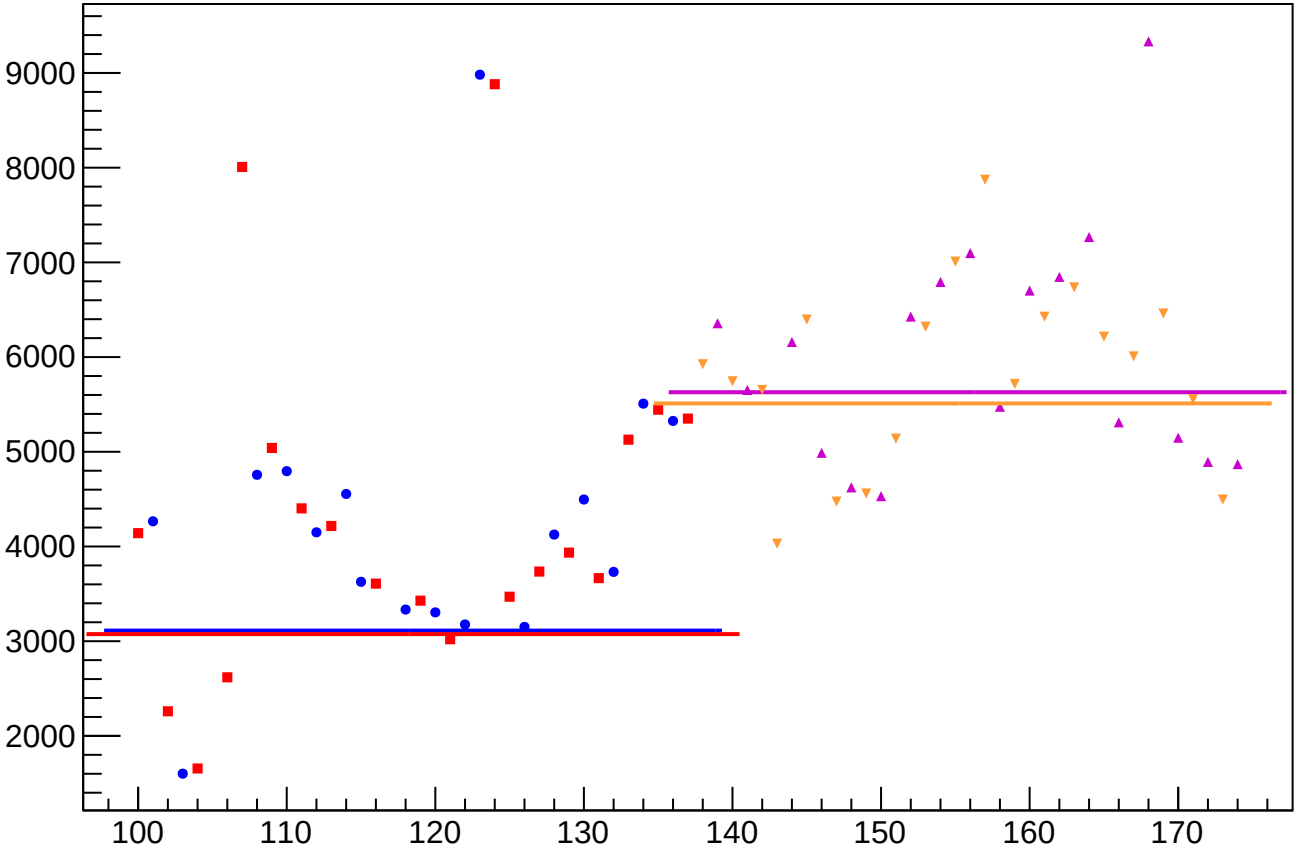
Right: 1211.574+/-917.716 χ^2/NDF: 41.6/35

In: 2202.196+/-995.131 χ^2/NDF:24.9/34

Out: 613.173+/-973.303 χ^2/NDF:53.2/37

All: 1390.066+/-695.818 χ^2/NDF: 79.4/72

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: 5628.978+/-1.082 χ^2/NDF:877238.8/17

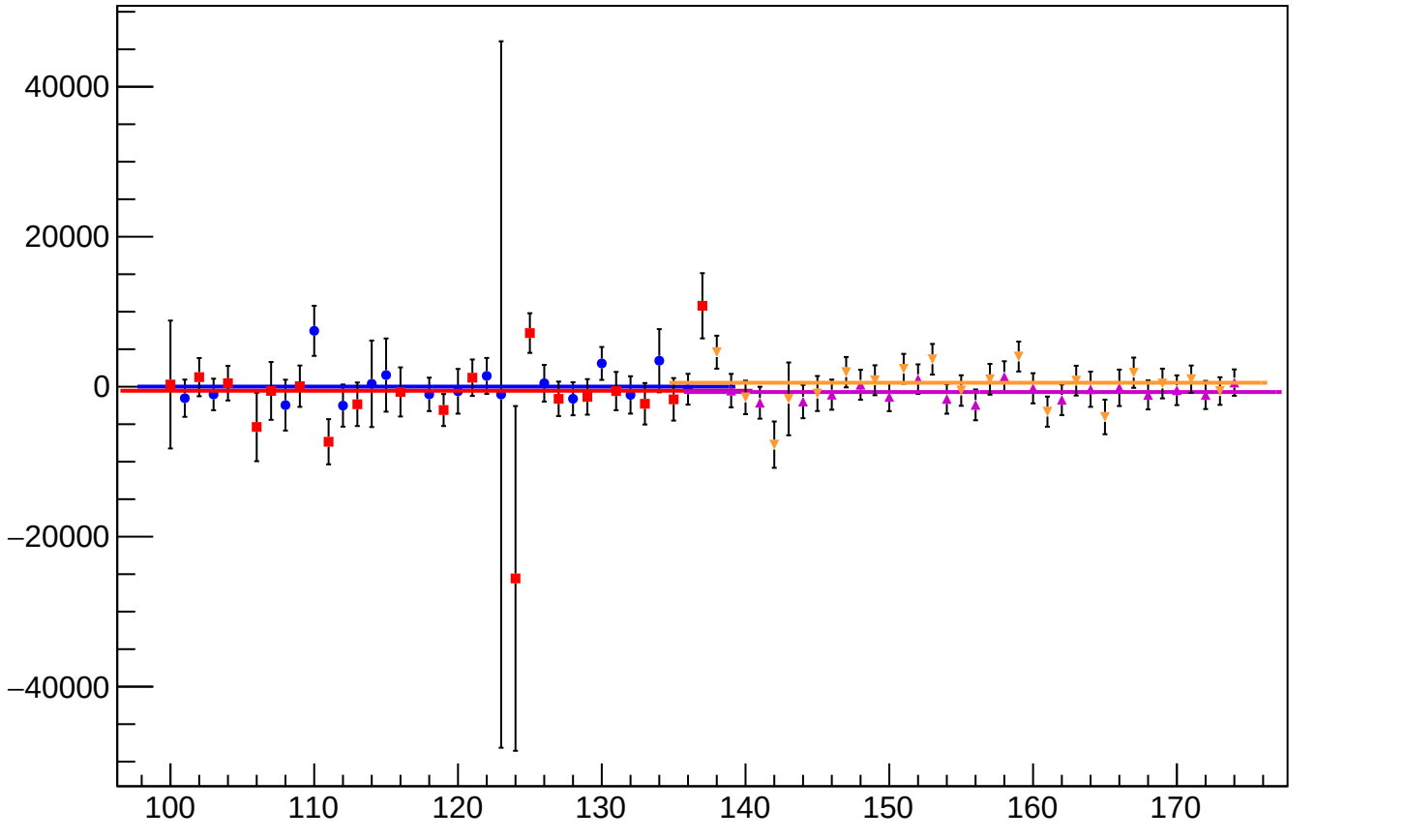
Left: 5568.191+/-0.755 χ^2/NDF: 1718554.6/36

Right: 3092.680+/-0.644 χ^2/NDF: 3886012.7/35

In: 4176.918+/-0.704 χ^2/NDF:5880313.4/34

Out: 4097.578+/-0.682 χ^2/NDF:5943674.9/37

All: 4136.035+/-0.490 χ^2/NDF: 11830539.2/7



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: -711.009+/-479.597 χ^2/NDF:4.8/17

Left: -99.289+/-341.174 χ^2/NDF: 35.6/36

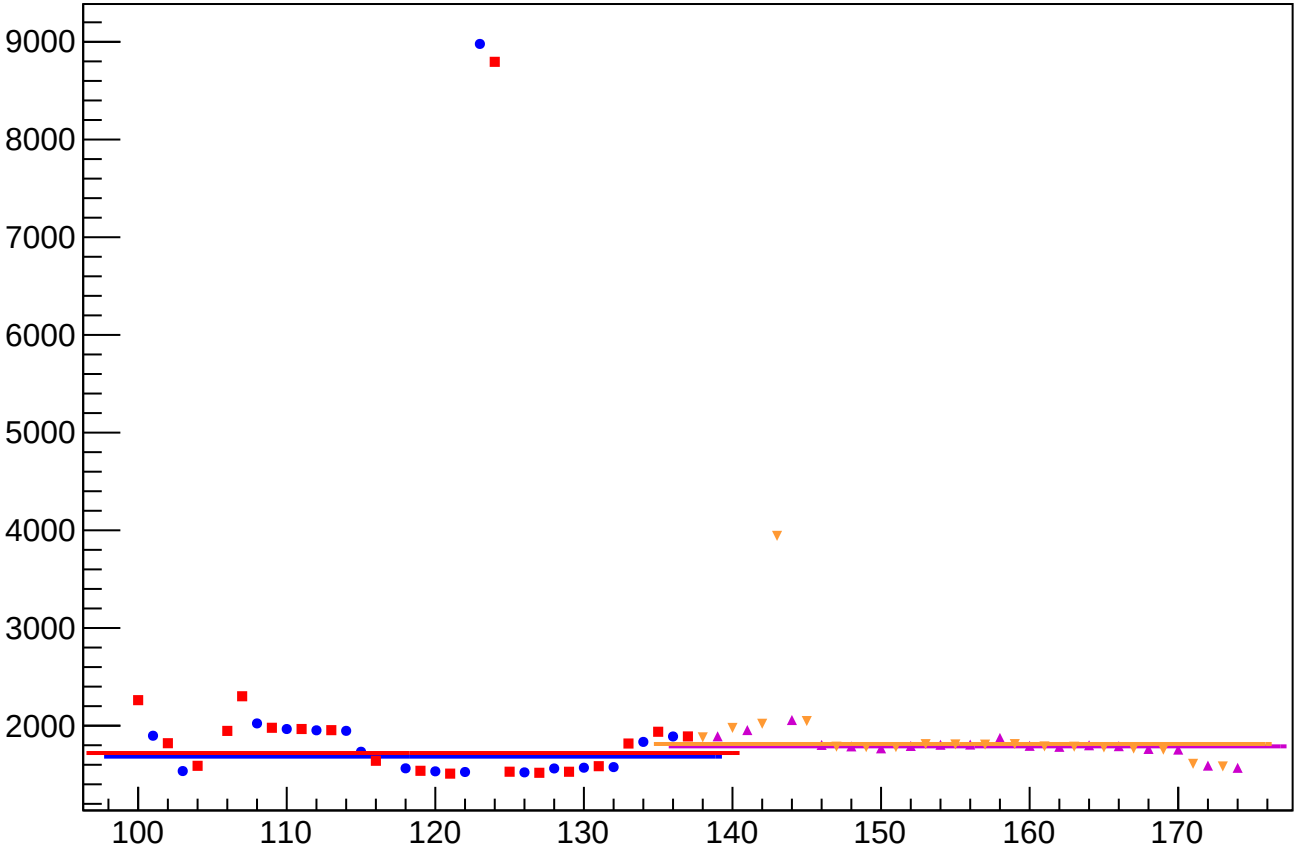
Right: -261.662+/-467.484 χ^2/NDF: 38.1/35

In: -460.976+/-388.204 χ^2/NDF:16.7/34

Out: 154.418+/-391.292 χ^2/NDF:55.9/37

All: -155.717+/-275.587 χ^2/NDF: 73.8/72

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: 1788.519+/-0.339 χ^2/NDF:104263.1/17

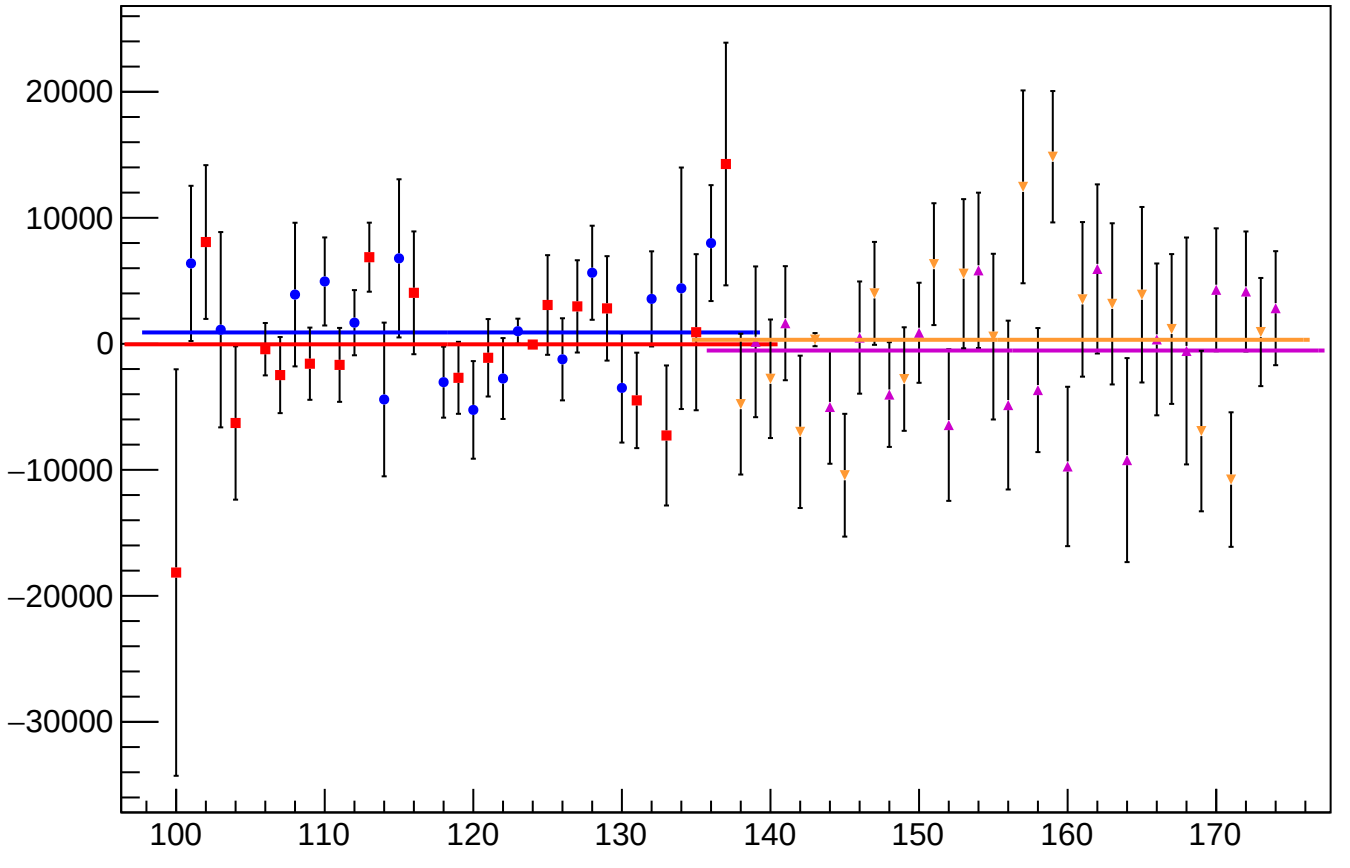
Left: 1800.504+/-0.241 χ^2/NDF: 595564.4/36

Right: 1701.898+/-0.330 χ^2/NDF: 595159.7/35

In: 1752.224+/-0.275 χ^2/NDF:333376.0/34

Out: 1780.233+/-0.276 χ^2/NDF:910398.8/37

All: 1766.139+/-0.195 χ^2/NDF: 1248947.1/72



Right In: 903.344+/-705.564 χ^2/NDF: 16.0/16

Left Out: 319.985+/-482.720 χ^2/NDF:28.0/18

Right Out: -38.143+/-357.176 χ^2/NDF: 20.5/18

Left In: -531.091+/-1237.879 χ^2/NDF:11.7/17

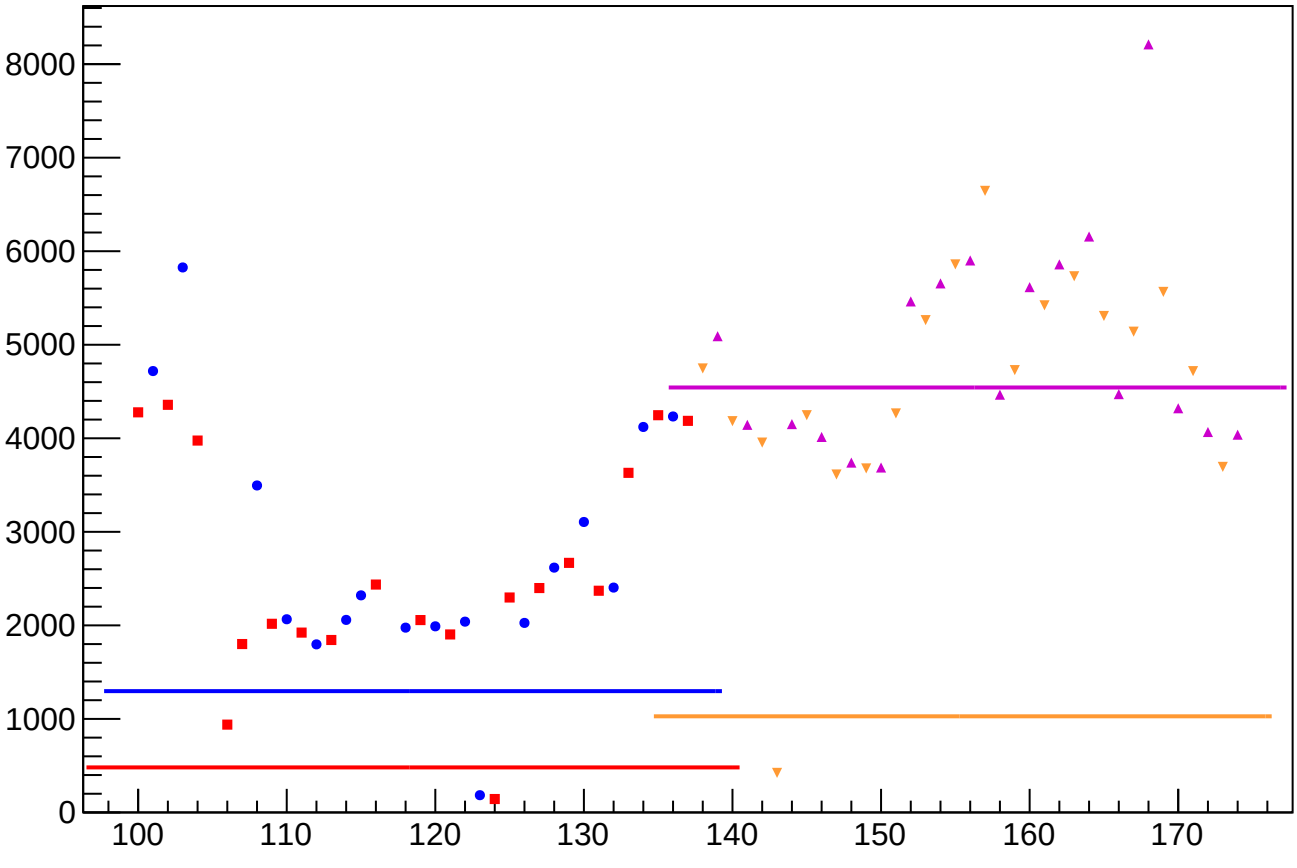
Left: 207.648+/-449.734 χ^2/NDF: 40.1/36

Right: 153.912+/-318.670 χ^2/NDF: 37.9/35

In: 551.603+/-612.984 χ^2/NDF:28.7/34

Out: 88.560+/-287.124 χ^2/NDF:48.8/37

All: 171.873+/-260.013 χ^2/NDF: 78.0/72



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: 4543.151+/-0.875 χ^2/NDF:1032926.6/17

Left: 1491.812+/-0.318 χ^2/NDF: 34124857.0/36

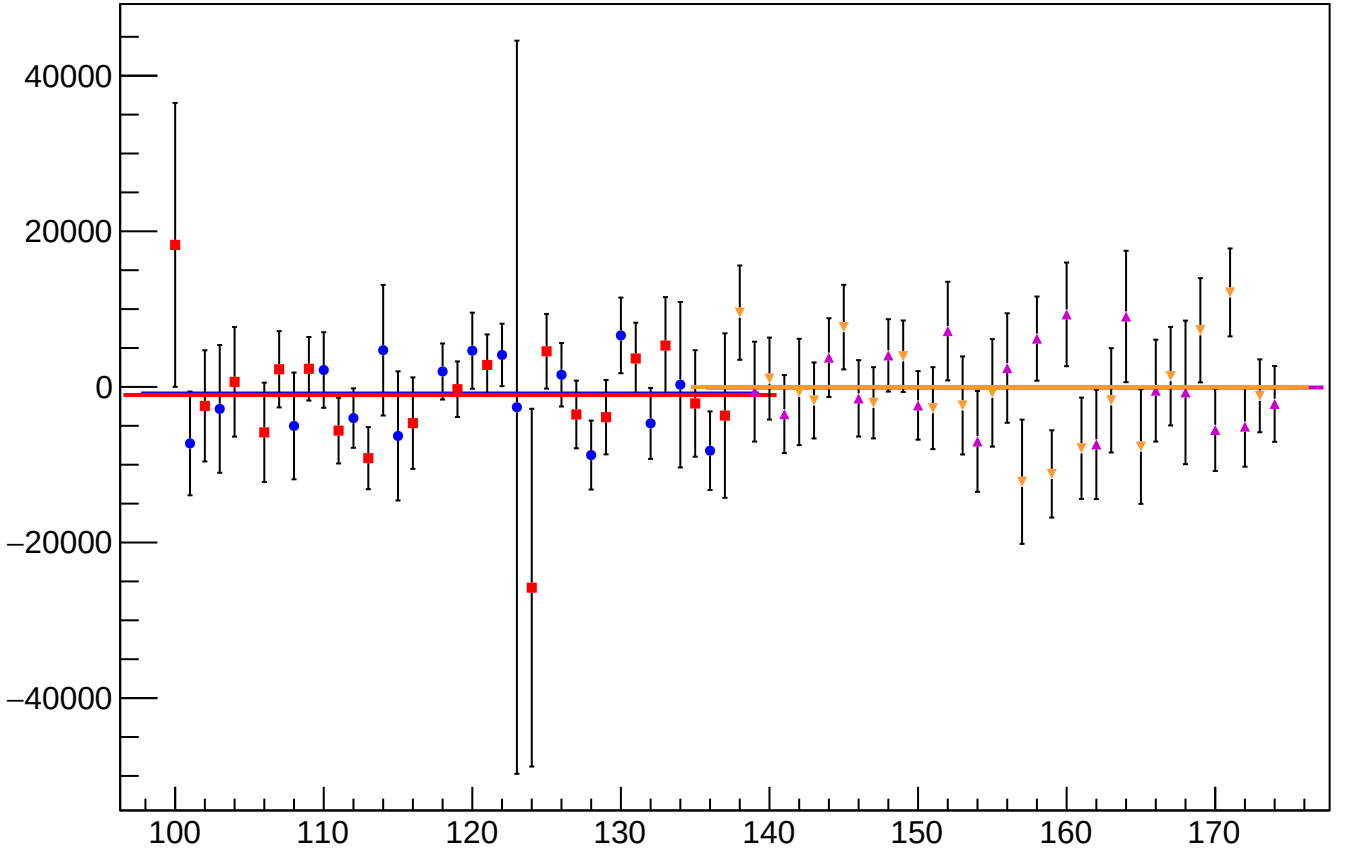
Right: 647.917+/-0.225 χ^2/NDF: 18780181.6/35

In: 2092.998+/-0.433 χ^2/NDF:17923432.6/34

Out: 674.828+/-0.203 χ^2/NDF:30890830.3/37

All: 929.994+/-0.184 χ^2/NDF: 57593196.8/72

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: -77.842+/-1345.077 χ^2/NDF:12.6/17

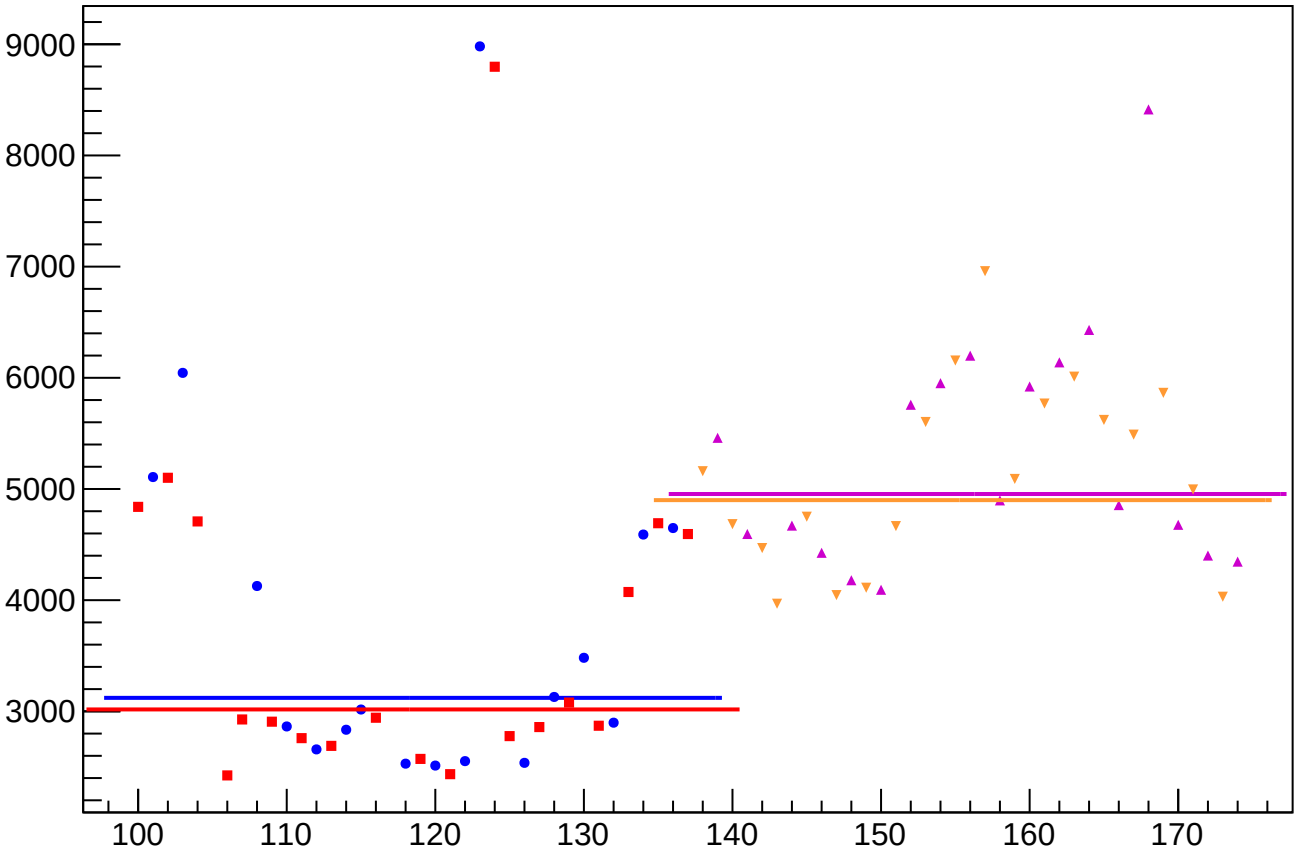
Left: -39.172+/-942.297 χ^2/NDF: 33.4/36

Right: -946.556+/-865.752 χ^2/NDF: 30.4/35

In: -488.464+/-919.960 χ^2/NDF:28.2/34

Out: -570.706+/-884.291 χ^2/NDF:36.2/37

All: -531.210+/-637.525 χ^2/NDF: 64.4/72



Right In: 3121.417+/-0.892 χ^2/NDF: 945708.1/16

Left Out: 4899.756+/-0.934 χ^2/NDF:685653.4/18

Right Out: 3017.215+/-0.831 χ^2/NDF: 791997.9/18

Left In: 4954.891+/-0.951 χ^2/NDF:827546.0/17

Left: 4926.815+/-0.666 χ^2/NDF: 1514910.6/36

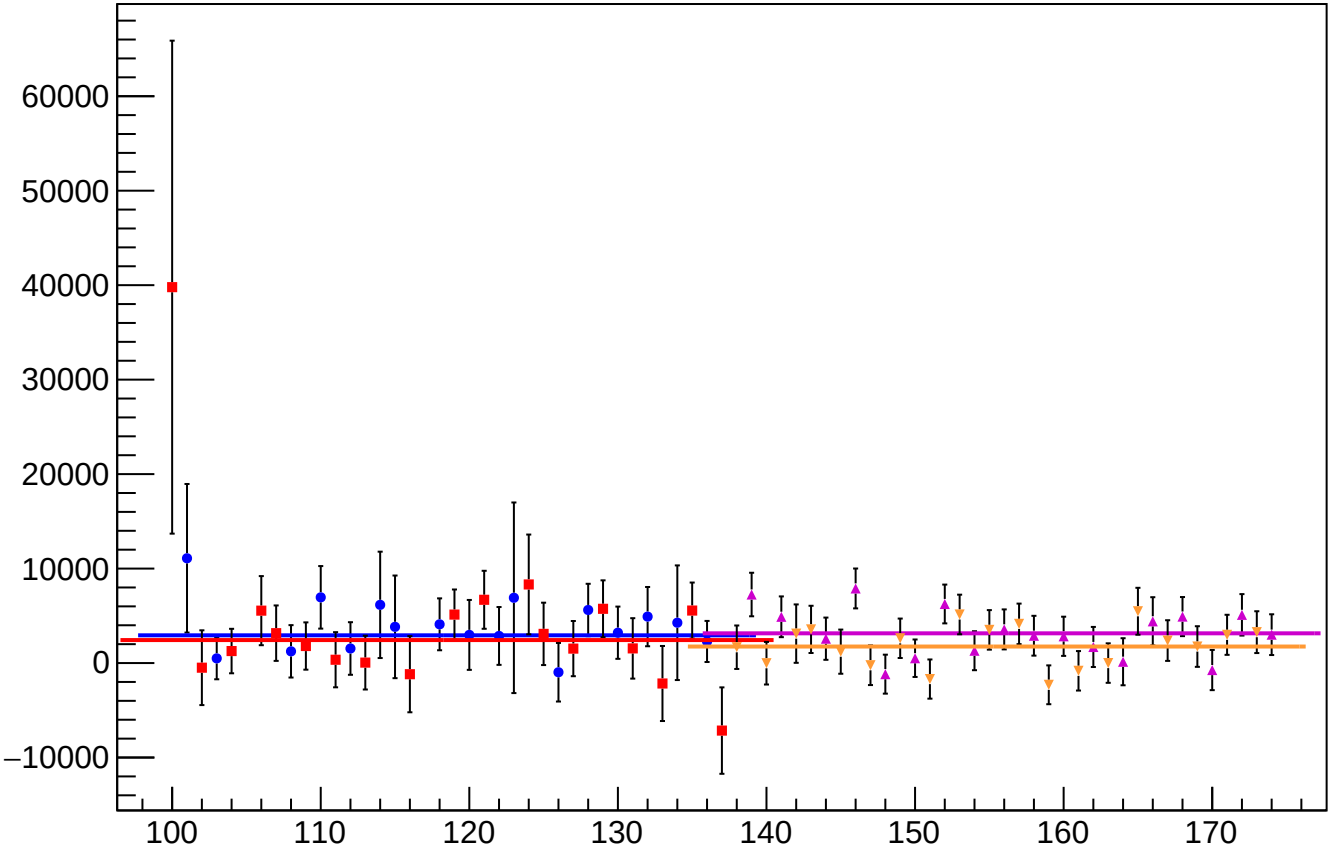
Right: 3065.680+/-0.608 χ^2/NDF: 1745010.6/35

In: 3979.079+/-0.651 χ^2/NDF:3751030.4/34

Out: 3849.815+/-0.621 χ^2/NDF:3744769.8/37

All: 3911.445+/-0.449 χ^2/NDF: 7516460.5/72

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2935.827+/-775.365 χ^2/NDF: 8.2/16

Left Out: 1749.048+/-505.633 χ^2/NDF:19.1/18

Right Out: 2432.756+/-740.416 χ^2/NDF: 18.2/18

Left In: 3147.746+/-507.379 χ^2/NDF:25.3/17

Left: 2445.986+/-358.153 χ^2/NDF: 48.2/36

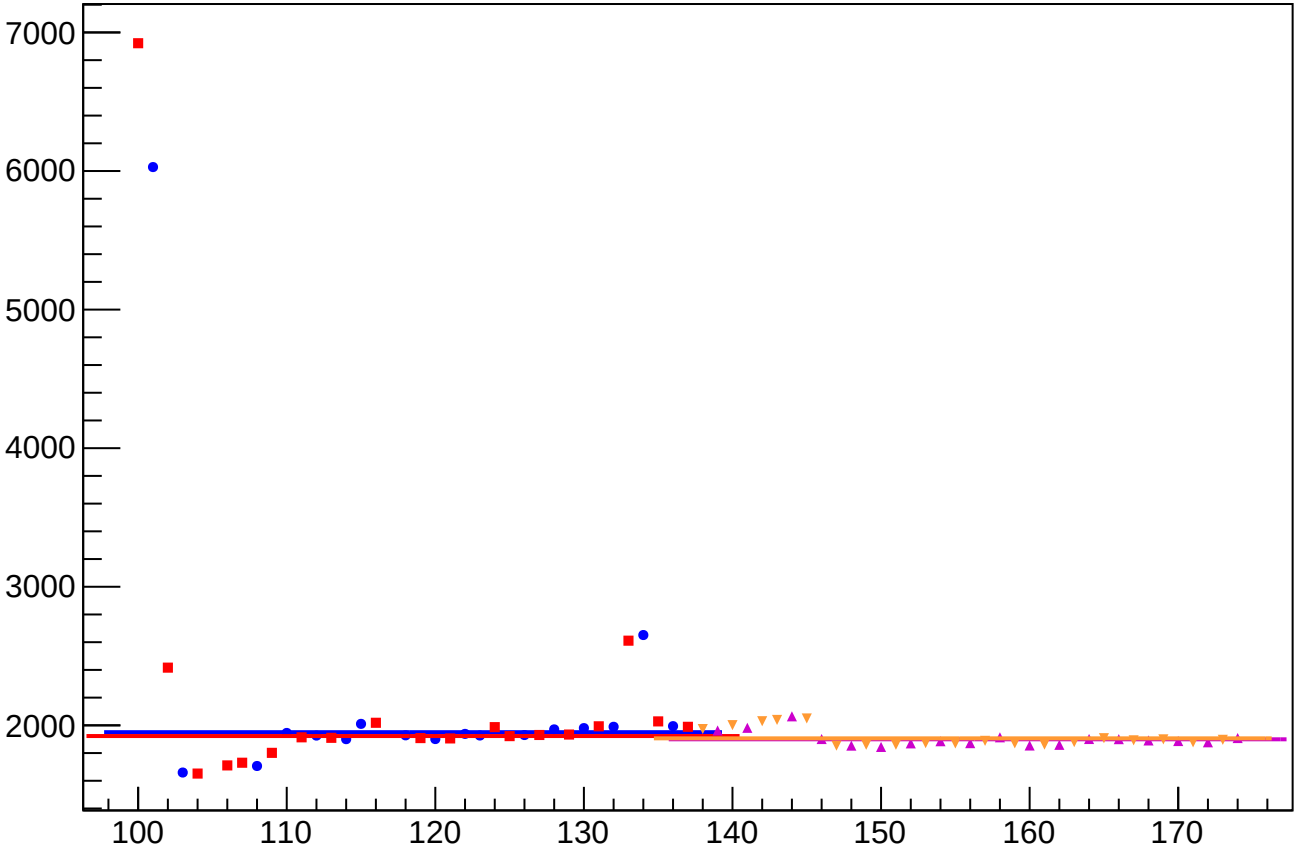
Right: 2672.699+/-535.482 χ^2/NDF: 26.5/35

In: 3084.208+/-424.558 χ^2/NDF:33.5/34

Out: 1966.493+/-417.557 χ^2/NDF:37.8/37

All: 2516.058+/-297.702 χ^2/NDF: 74.9/72

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: 1899.220+/-0.359 χ^2/NDF:20901.5/17

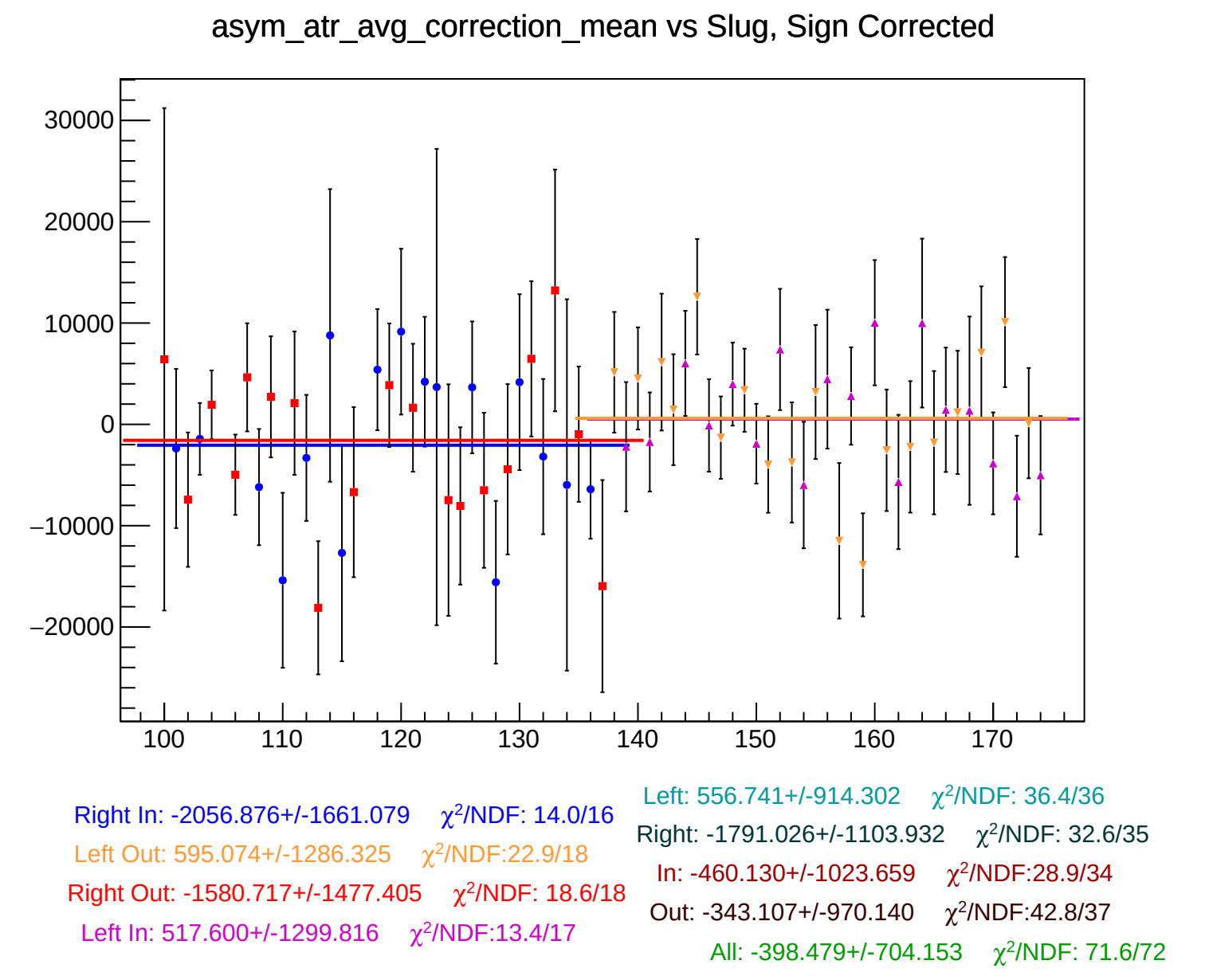
Left: 1902.695+/-0.253 χ^2/NDF: 49703.7/36

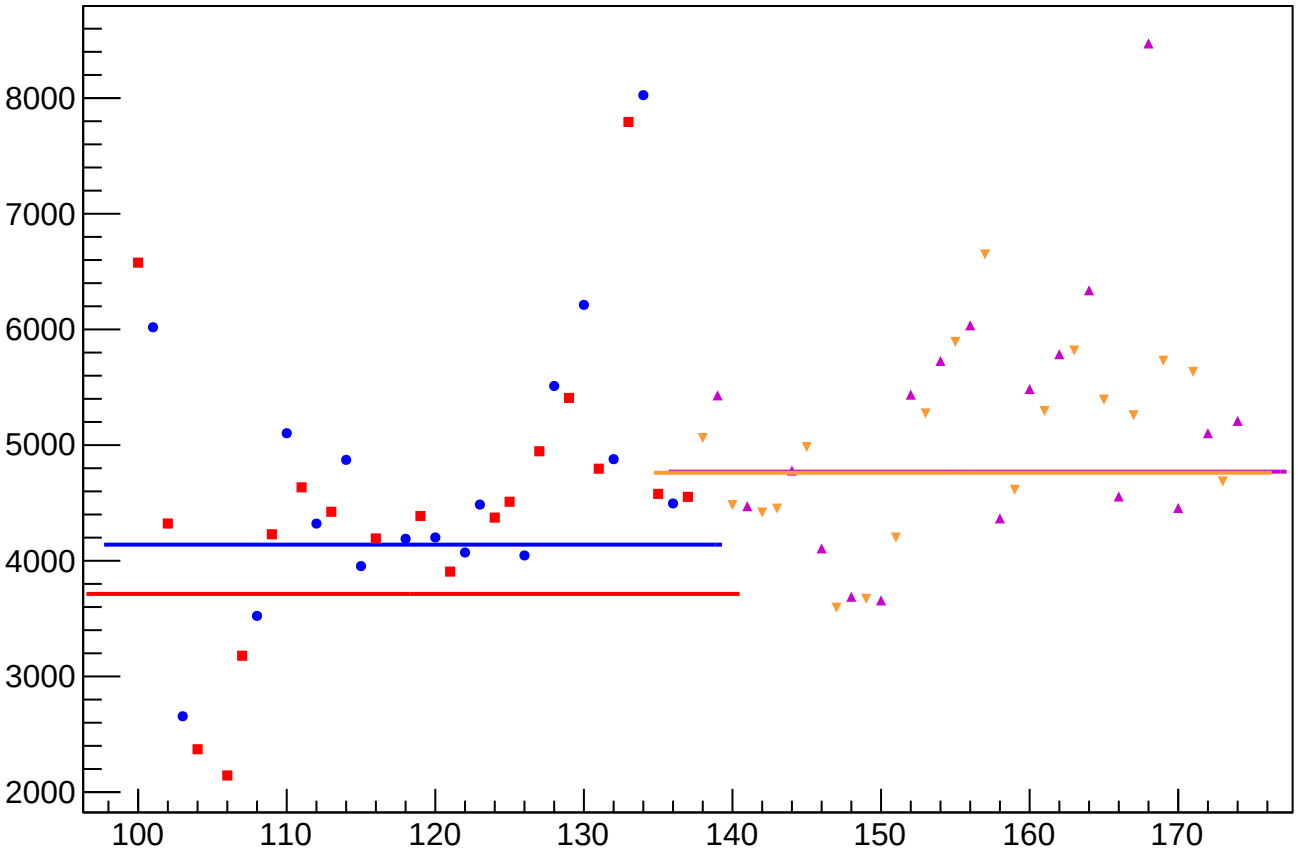
Right: 1936.009+/-0.378 χ^2/NDF: 836086.0/35

In: 1914.629+/-0.300 χ^2/NDF:644386.5/34

Out: 1911.445+/-0.295 χ^2/NDF:246703.1/37

All: 1913.009+/-0.210 χ^2/NDF: 891146.9/72


asym_atr_avg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: -2056.876+/-1661.079 χ²/NDF: 14.0/16
Left Out: 595.074+/-1286.325 χ²/NDF:22.9/18
Right Out: -1580.717+/-1477.405 χ²/NDF: 18.6/18
Left In: 517.600+/-1299.816 χ²/NDF:13.4/17
Left: 556.741+/-914.302 χ²/NDF: 36.4/36
Right: -1791.026+/-1103.932 χ²/NDF: 32.6/35
In: -460.130+/-1023.659 χ²/NDF:28.9/34
Out: -343.107+/-970.140 χ²/NDF:42.8/37
All: -398.479+/-704.153 χ²/NDF: 71.6/72



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: 4770.558+/-0.919 χ^2/NDF:1013460.3/17

Left: 4765.760+/-0.647 χ^2/NDF: 1748183.3/36

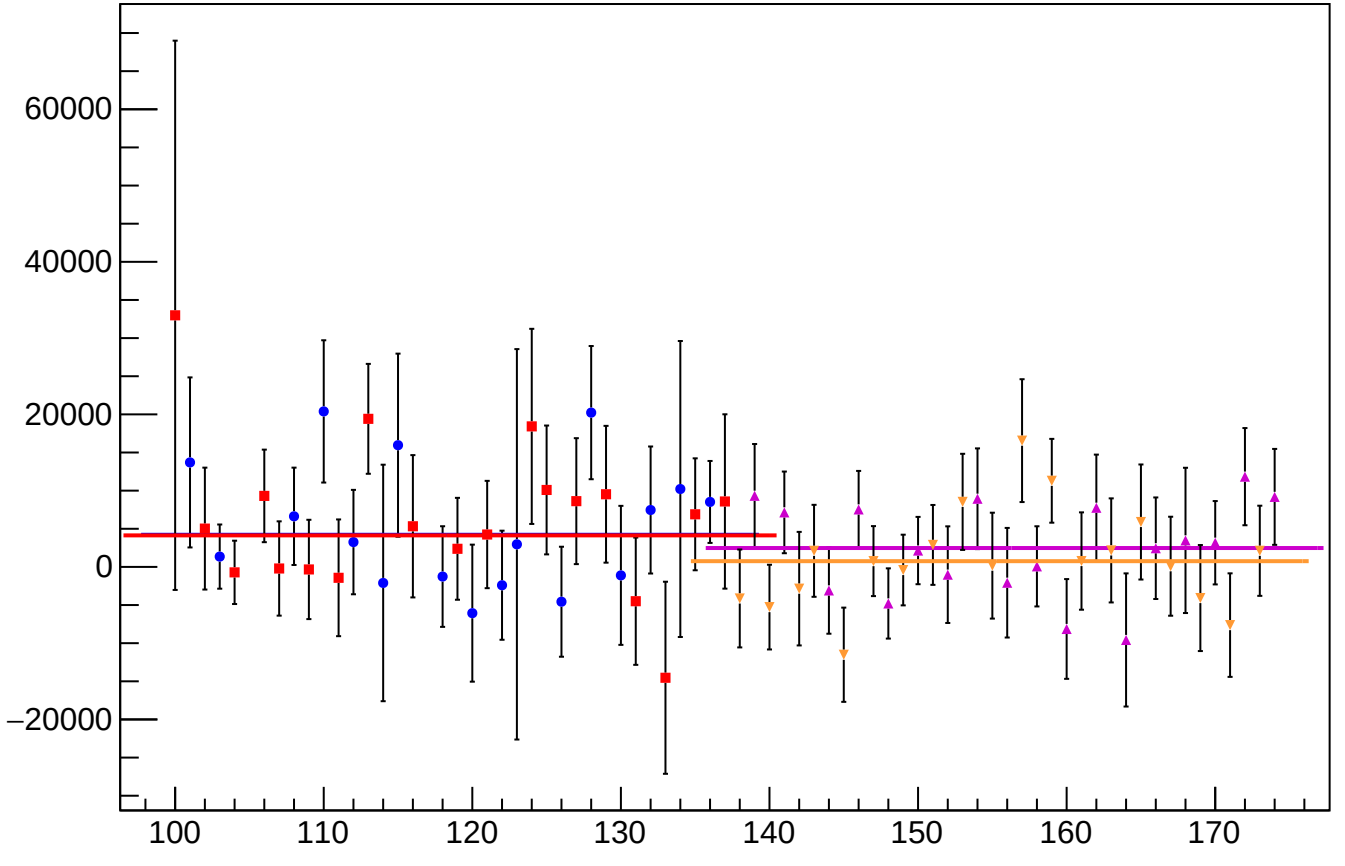
Right: 3901.622+/-0.781 χ^2/NDF: 2162777.5/35

In: 4530.855+/-0.724 χ^2/NDF:2006104.9/34

Out: 4309.374+/-0.686 χ^2/NDF:2582417.9/37

All: 4414.174+/-0.498 χ^2/NDF: 4637846.8/72

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 4211.844+/-1871.304 χ^2/NDF: 14.4/16

Left Out: 752.190+/-1397.784 χ^2/NDF:17.9/18

Right Out: 4133.660+/-1725.341 χ^2/NDF: 14.8/18

Left In: 2475.947+/-1410.199 χ^2/NDF:16.5/17

Left: 1606.448+/-992.743 χ^2/NDF: 35.2/36

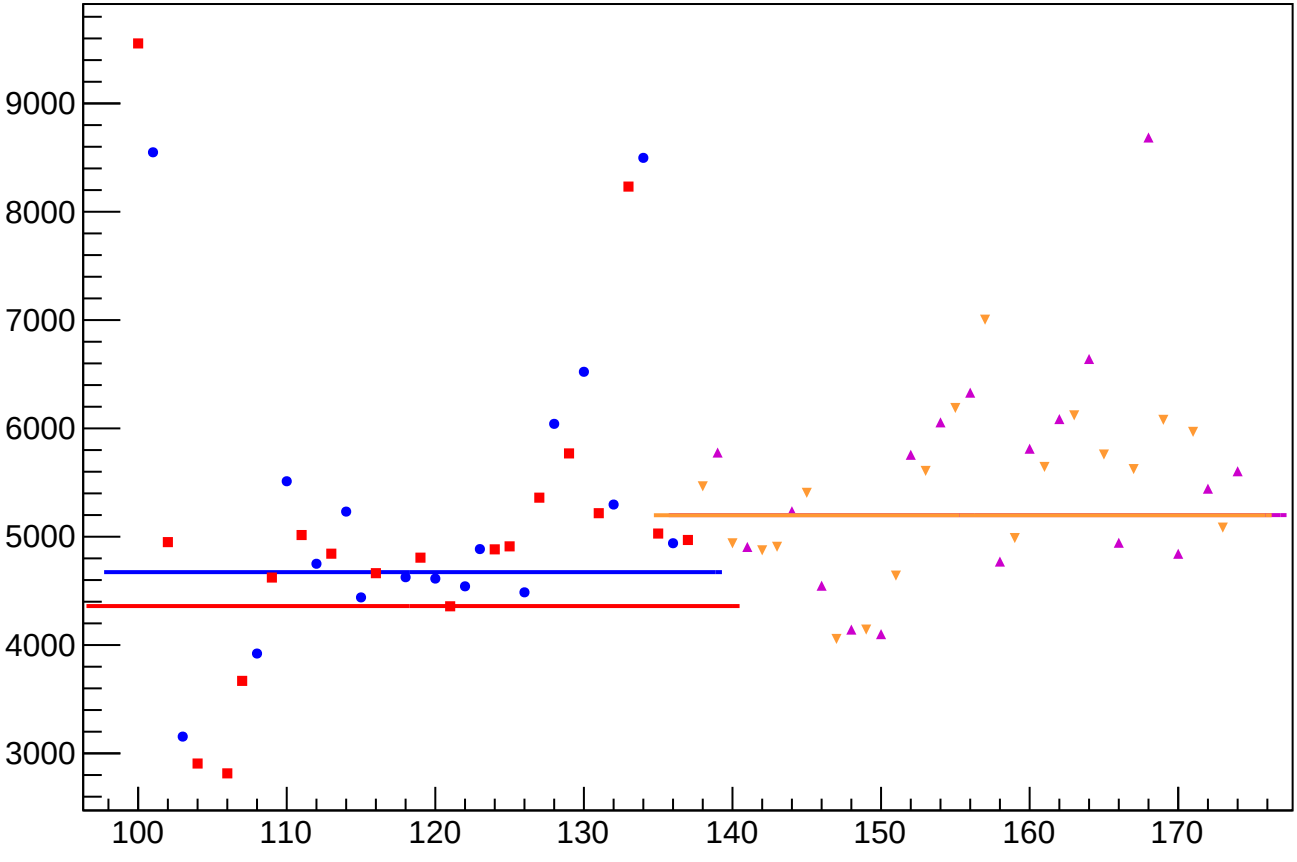
Right: 4169.584+/-1268.468 χ^2/NDF: 29.2/35

In: 3104.697+/-1126.215 χ^2/NDF:31.5/34

Out: 2092.132+/-1086.088 χ^2/NDF:35.0/37

All: 2580.054+/-781.781 χ^2/NDF: 66.9/72

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4673.046+/-1.323 χ^2/NDF: 777321.1/16

Left Out: 5198.310+/-0.988 χ^2/NDF:545973.5/18

Right Out: 4359.833+/-1.213 χ^2/NDF: 832191.0/18

Left In: 5199.523+/-0.997 χ^2/NDF:790301.8/17

Left: 5198.911+/-0.702 χ^2/NDF: 1336276.0/36

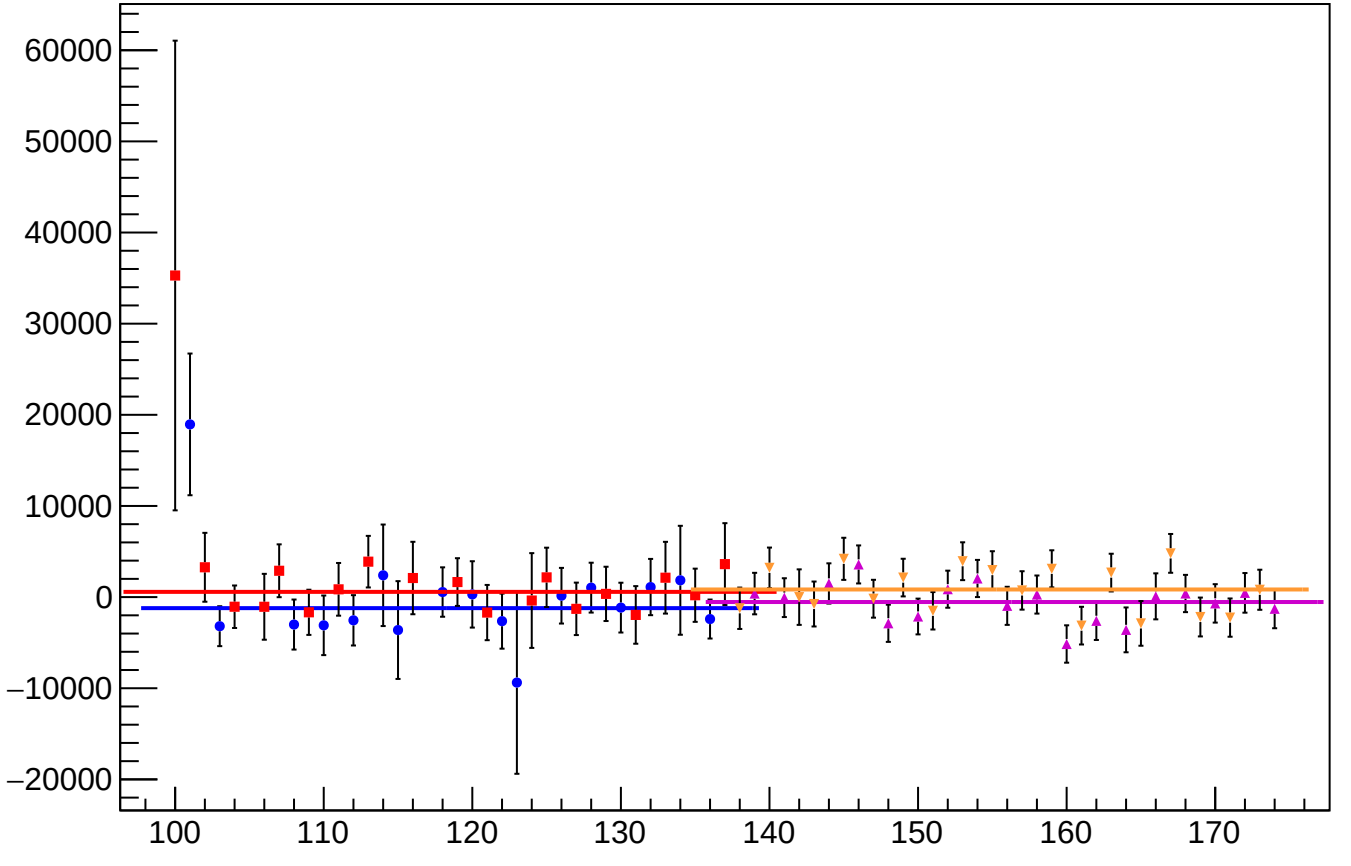
Right: 4502.849+/-0.894 χ^2/NDF: 1639958.3/35

In: 5008.831+/-0.796 χ^2/NDF:1668590.7/34

Out: 4863.729+/-0.766 χ^2/NDF:1665336.7/37

All: 4933.482+/-0.552 χ^2/NDF: 3351167.3/72

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: -540.013+/-501.840 χ^2/NDF:17.4/17

Left: 150.668+/-354.194 χ^2/NDF: 46.6/36

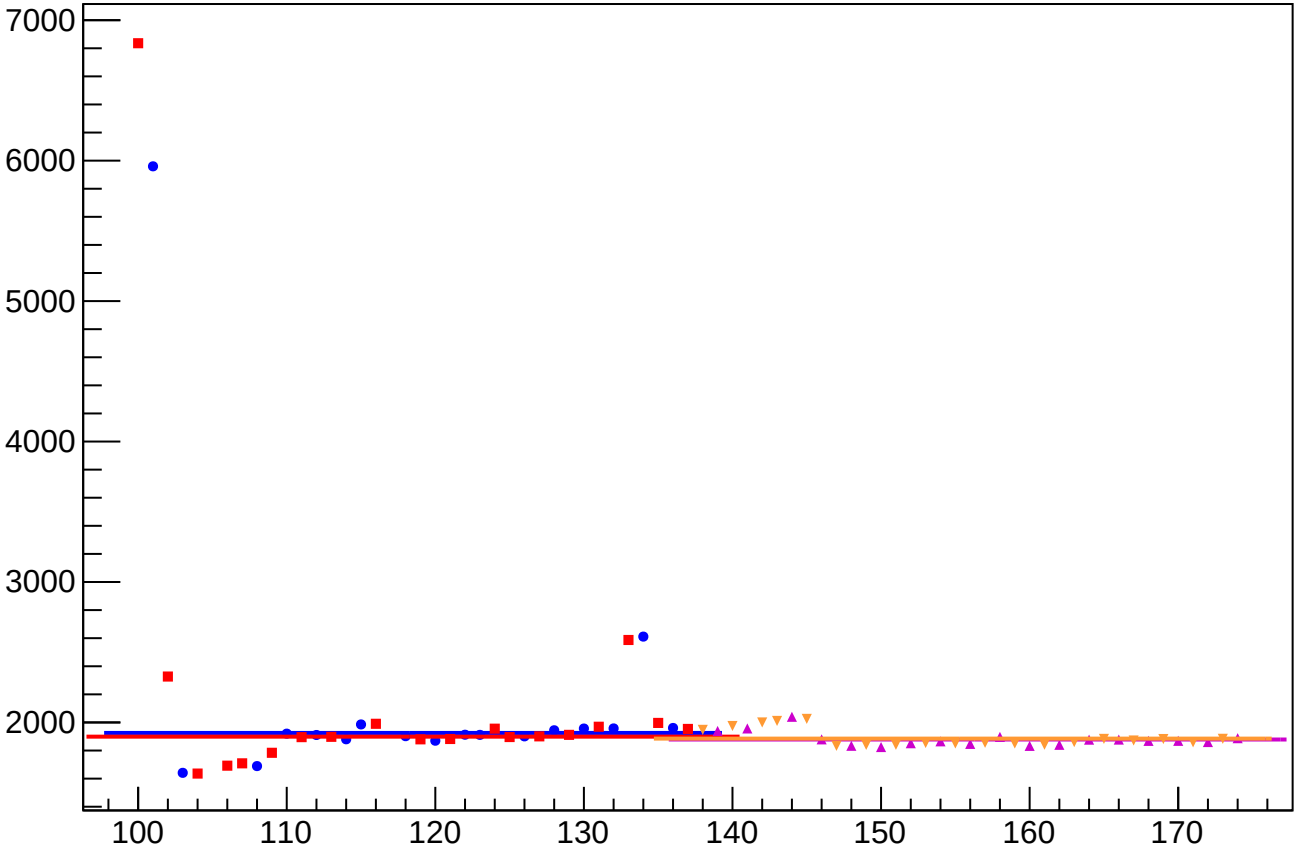
Right: -277.573+/-528.478 χ^2/NDF: 24.2/35

In: -741.832+/-419.659 χ^2/NDF:30.6/34

Out: 752.432+/-412.623 χ^2/NDF:34.2/37

All: 17.931+/-294.225 χ^2/NDF: 71.3/72

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: 1878.494+/-0.355 χ^2/NDF:20263.6/17

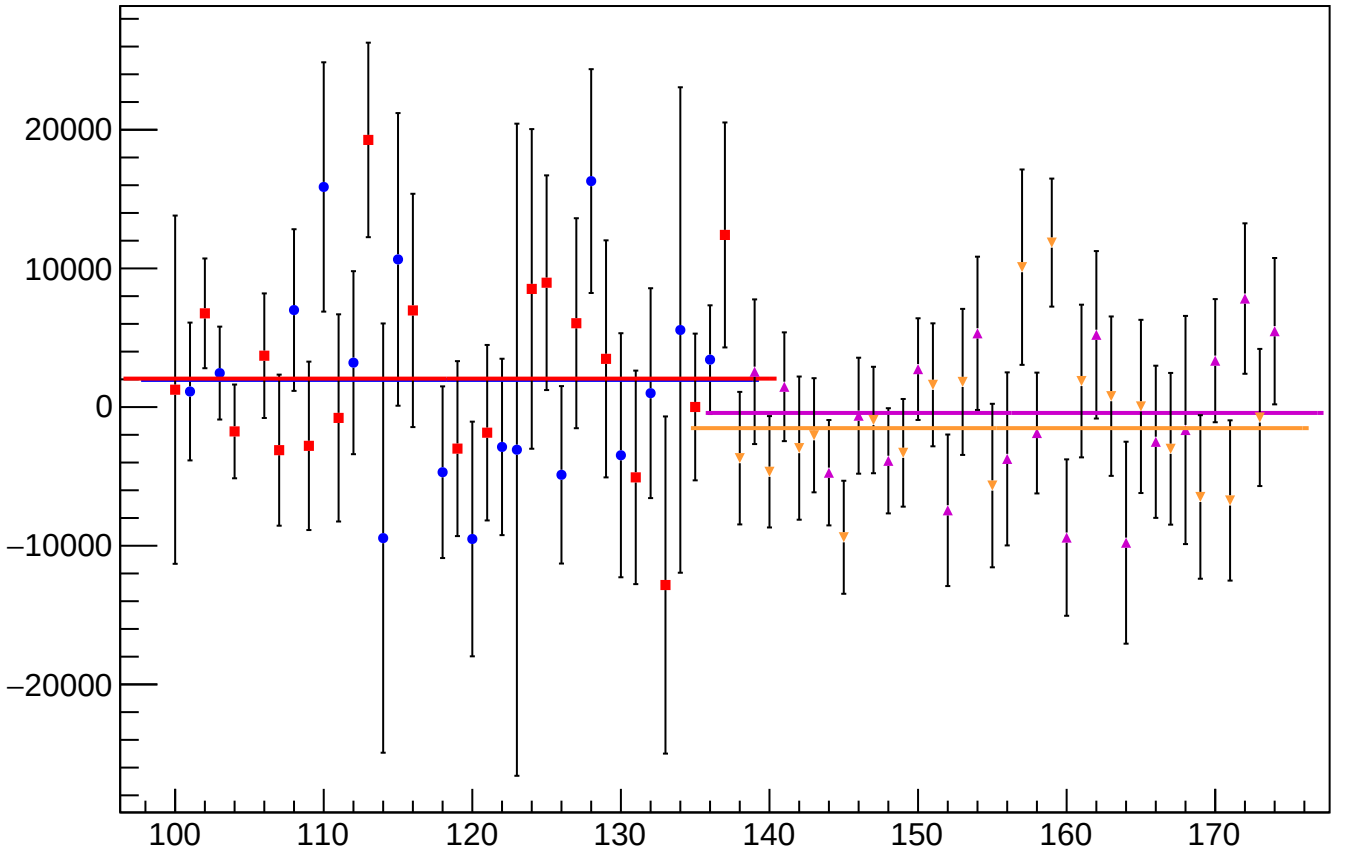
Left: 1881.712+/-0.250 χ^2/NDF: 47357.6/36

Right: 1911.445+/-0.373 χ^2/NDF: 827992.7/35

In: 1892.575+/-0.297 χ^2/NDF:641363.3/34

Out: 1889.368+/-0.292 χ^2/NDF:238303.1/37

All: 1890.943+/-0.208 χ^2/NDF: 879725.8/72



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: -422.460+/-1144.889 χ^2/NDF:16.0/17

Left: -984.038+/-799.552 χ^2/NDF: 36.1/36

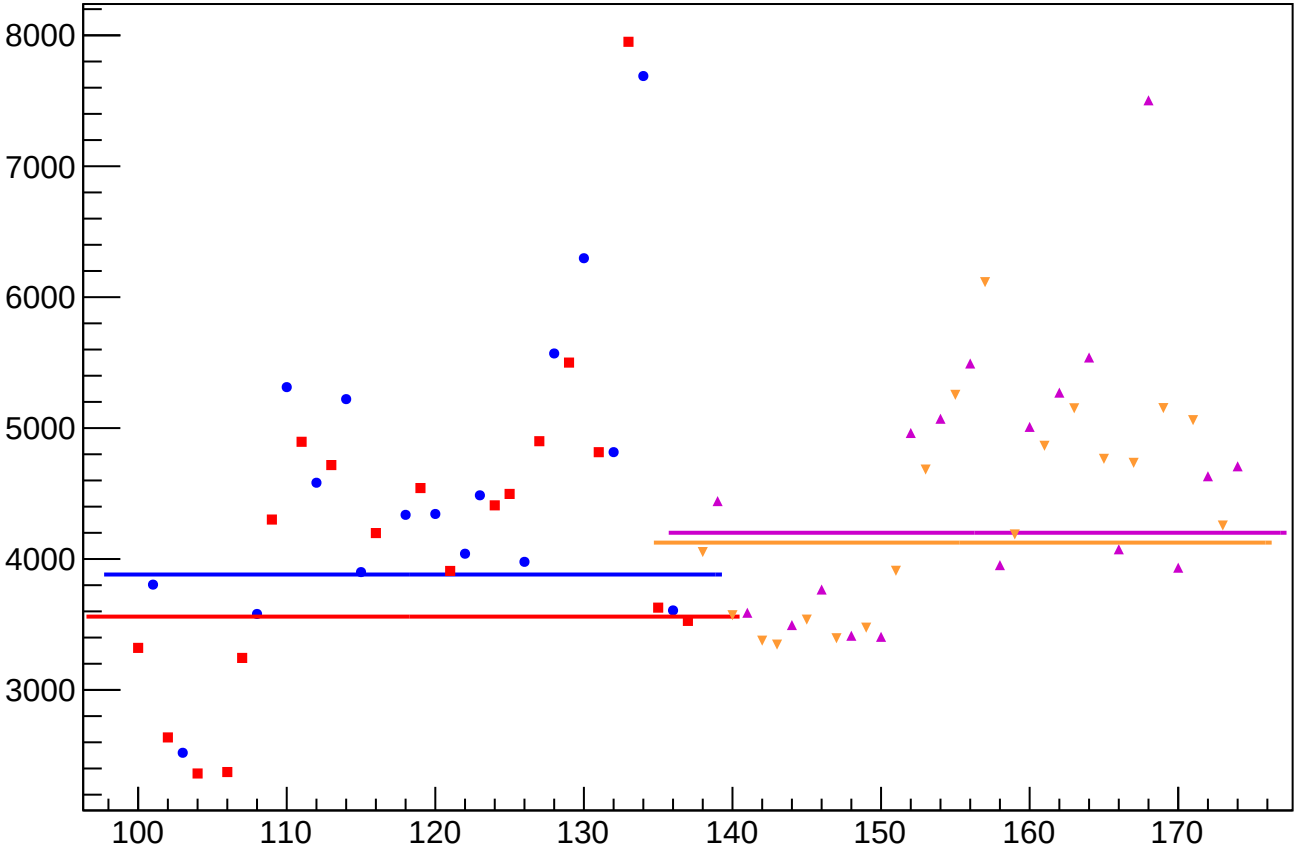
Right: 2010.461+/-1046.568 χ^2/NDF: 30.4/35

In: 413.424+/-922.338 χ^2/NDF:30.5/34

Out: -145.753+/-876.469 χ^2/NDF:41.0/37

All: 119.586+/-635.354 χ^2/NDF: 71.7/72

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: 4200.507+/-0.810 χ^2/NDF:1037236.4/17

Left: 4161.974+/-0.565 χ^2/NDF: 1884394.0/36

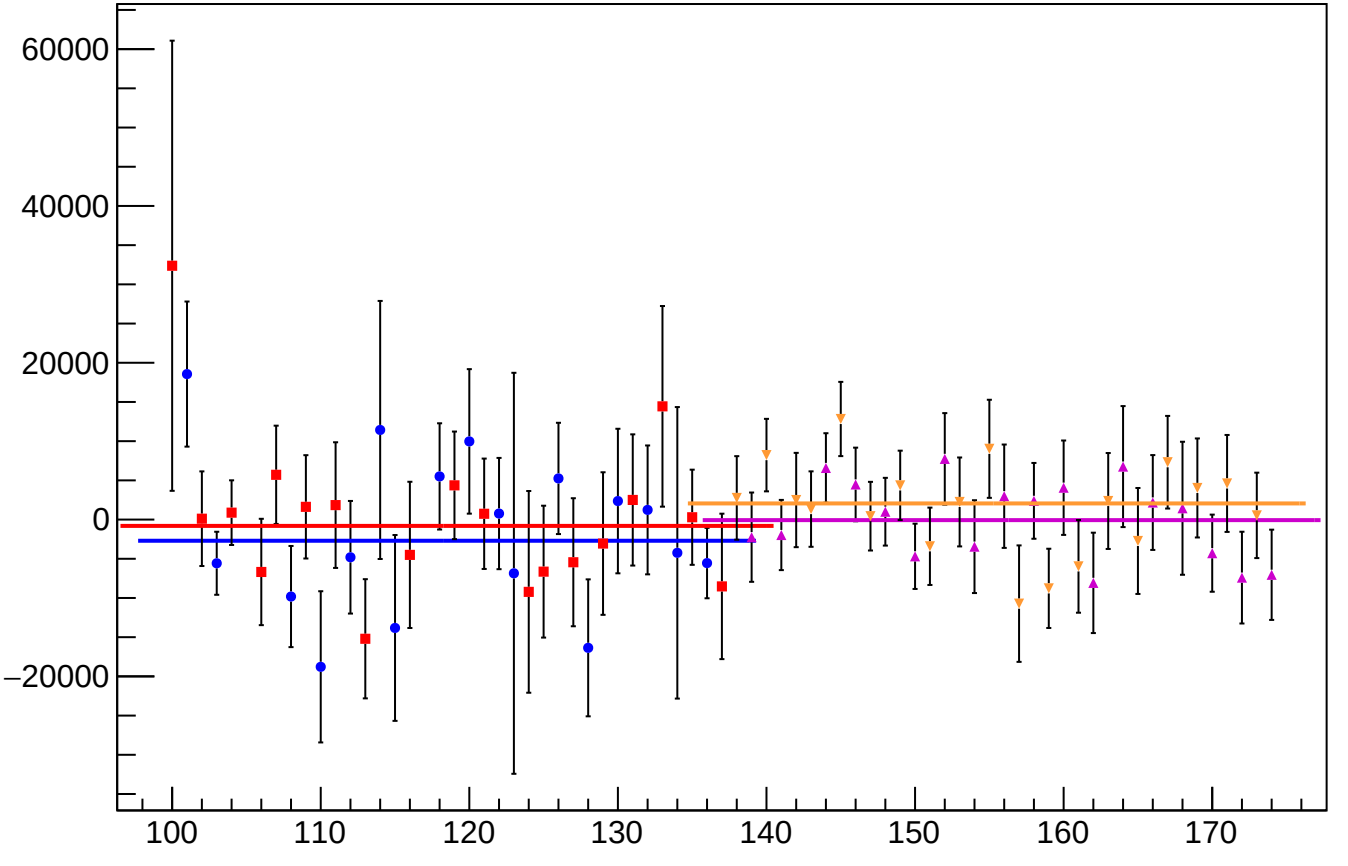
Right: 3705.352+/-0.740 χ^2/NDF: 2105744.2/35

In: 4088.567+/-0.652 χ^2/NDF:1909176.5/34

Out: 3908.007+/-0.620 χ^2/NDF:2281093.1/37

All: 3993.686+/-0.449 χ^2/NDF: 4230546.0/72

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2700.702+/-1809.055 χ^2/NDF: 19.8/16

Left Out: 2058.703+/-1243.687 χ^2/NDF:20.9/18

Right Out: -805.951+/-1690.353 χ^2/NDF: 11.6/18

Left In: -70.823+/-1267.156 χ^2/NDF:14.2/17

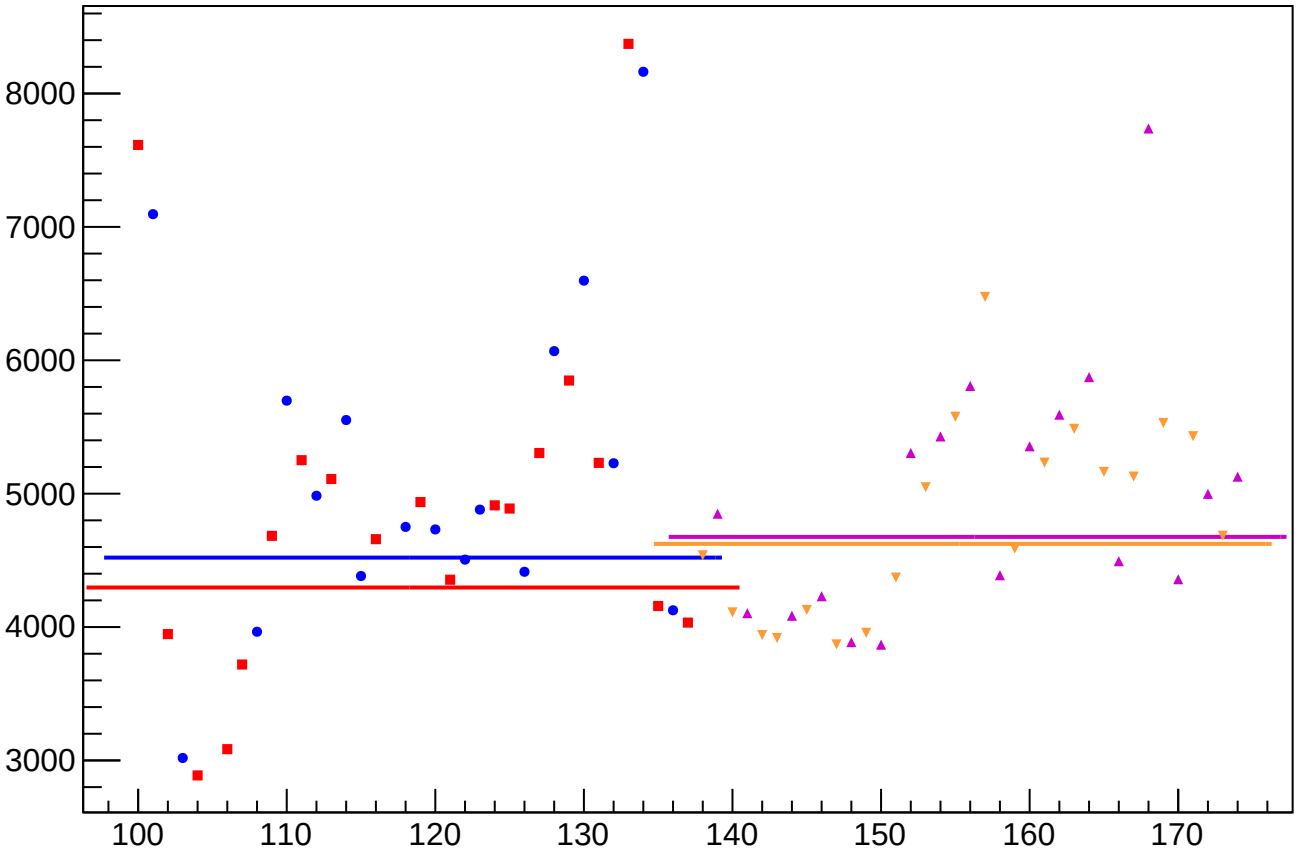
Left: 1013.843+/-887.600 χ^2/NDF: 36.5/36

Right: -1689.130+/-1235.094 χ^2/NDF: 31.9/35

In: -936.431+/-1037.874 χ^2/NDF:35.3/34

Out: 1052.602+/-1001.757 χ^2/NDF:34.3/37

All: 93.296+/-720.779 χ^2/NDF: 71.6/72



Right In: 4520.685+/-1.279 χ^2/NDF: 770887.4/16

Left Out: 4623.728+/-0.879 χ^2/NDF:571821.4/18

Right Out: 4296.527+/-1.189 χ^2/NDF: 771785.2/18

Left In: 4675.972+/-0.896 χ^2/NDF:755529.8/17

Left: 4649.362+/-0.628 χ^2/NDF: 1329082.8/36

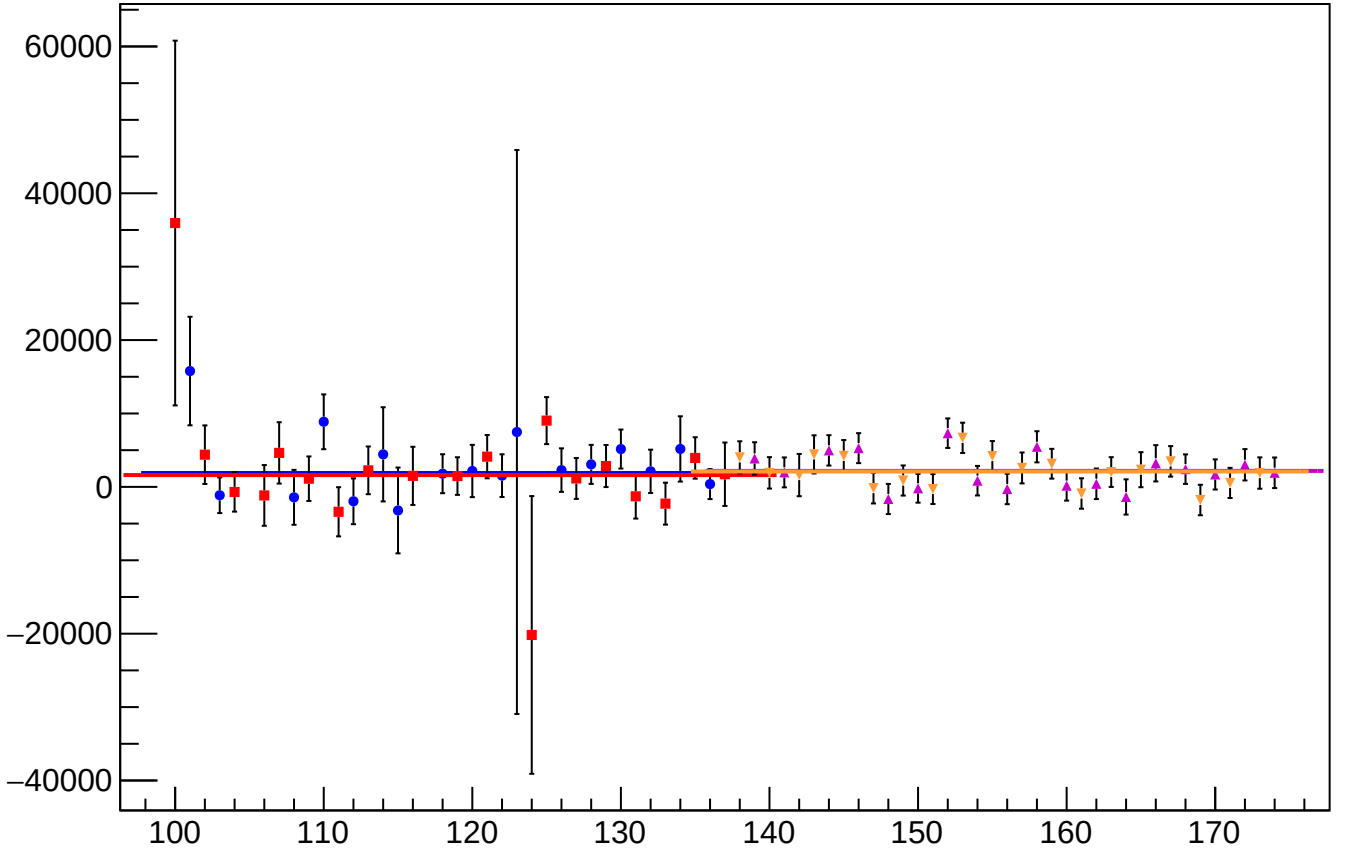
Right: 4400.391+/-0.871 χ^2/NDF: 1559151.4/35

In: 4624.860+/-0.734 χ^2/NDF:1536303.4/34

Out: 4507.980+/-0.707 χ^2/NDF:1392577.2/37

All: 4564.237+/-0.509 χ^2/NDF: 2942036.6/72

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1887.915+/-783.827 χ^2/NDF: 14.7/16

Left Out: 2095.183+/-491.850 χ^2/NDF:18.5/18

Right Out: 1610.310+/-765.843 χ^2/NDF: 17.5/18

Left In: 2175.634+/-493.256 χ^2/NDF:24.7/17

Left: 2135.294+/-348.287 χ^2/NDF: 43.2/36

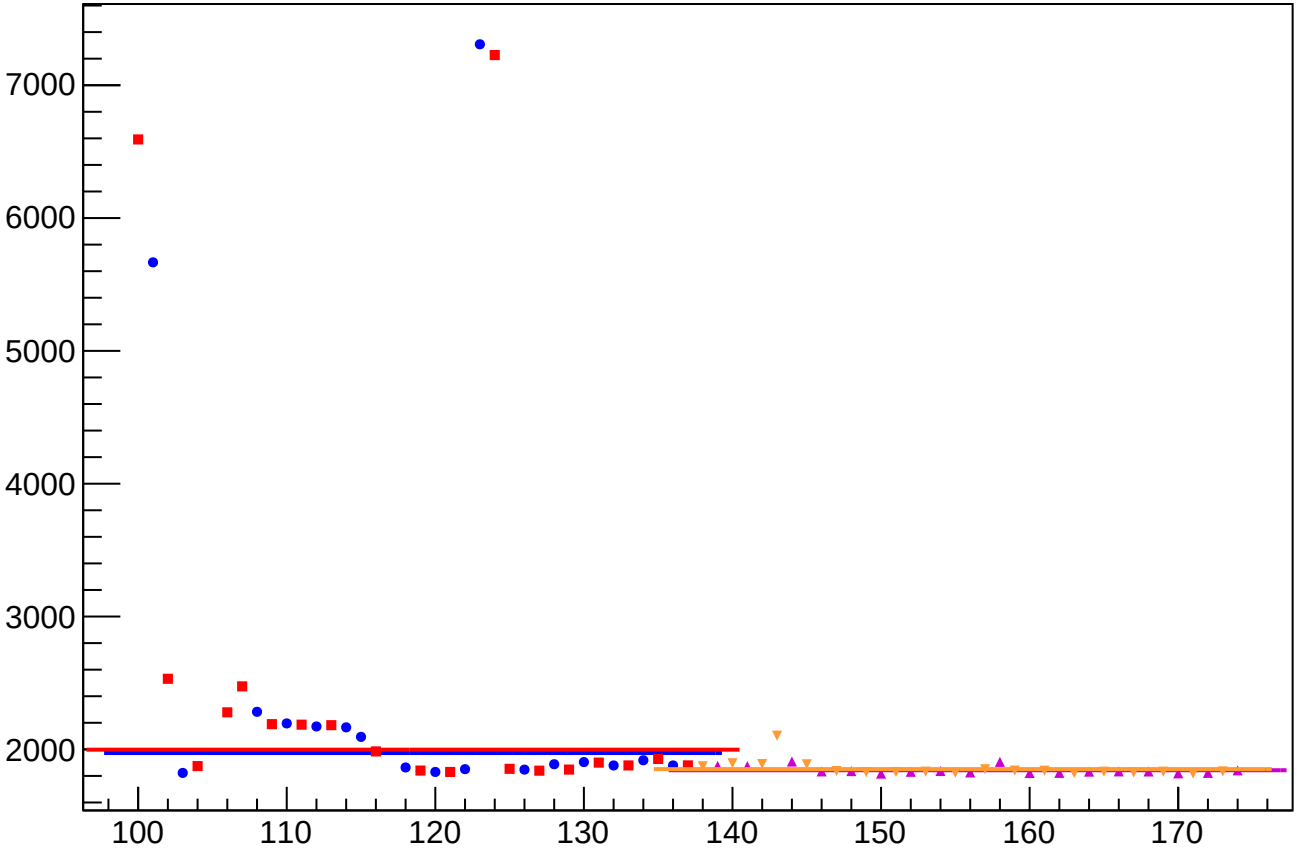
Right: 1745.891+/-547.780 χ^2/NDF: 32.2/35

In: 2094.016+/-417.473 χ^2/NDF:39.5/34

Out: 1953.592+/-413.851 χ^2/NDF:36.2/37

All: 2023.192+/-293.909 χ^2/NDF: 75.8/72

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: 1842.806+/-0.349 χ^2/NDF:6199.5/17

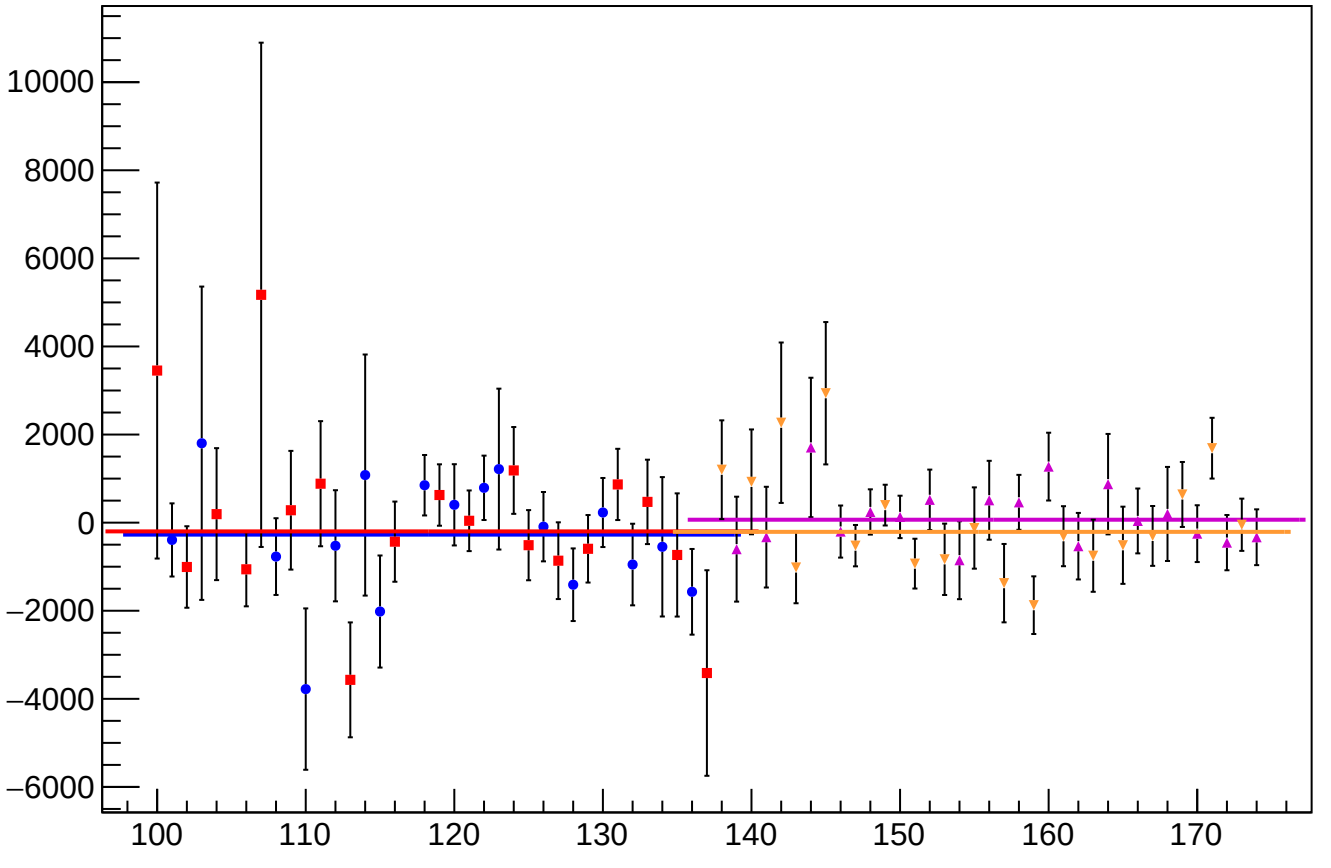
Left: 1847.078+/-0.246 χ^2/NDF: 30110.2/36

Right: 1985.358+/-0.387 χ^2/NDF: 957496.6/35

In: 1879.592+/-0.295 χ^2/NDF:646282.2/34

Out: 1894.054+/-0.293 χ^2/NDF:430872.9/37

All: 1886.886+/-0.208 χ^2/NDF: 1078365.6/72



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: 66.419+/-170.451 χ^2/NDF:8.9/17

Left: -74.843+/-118.968 χ^2/NDF: 41.6/36

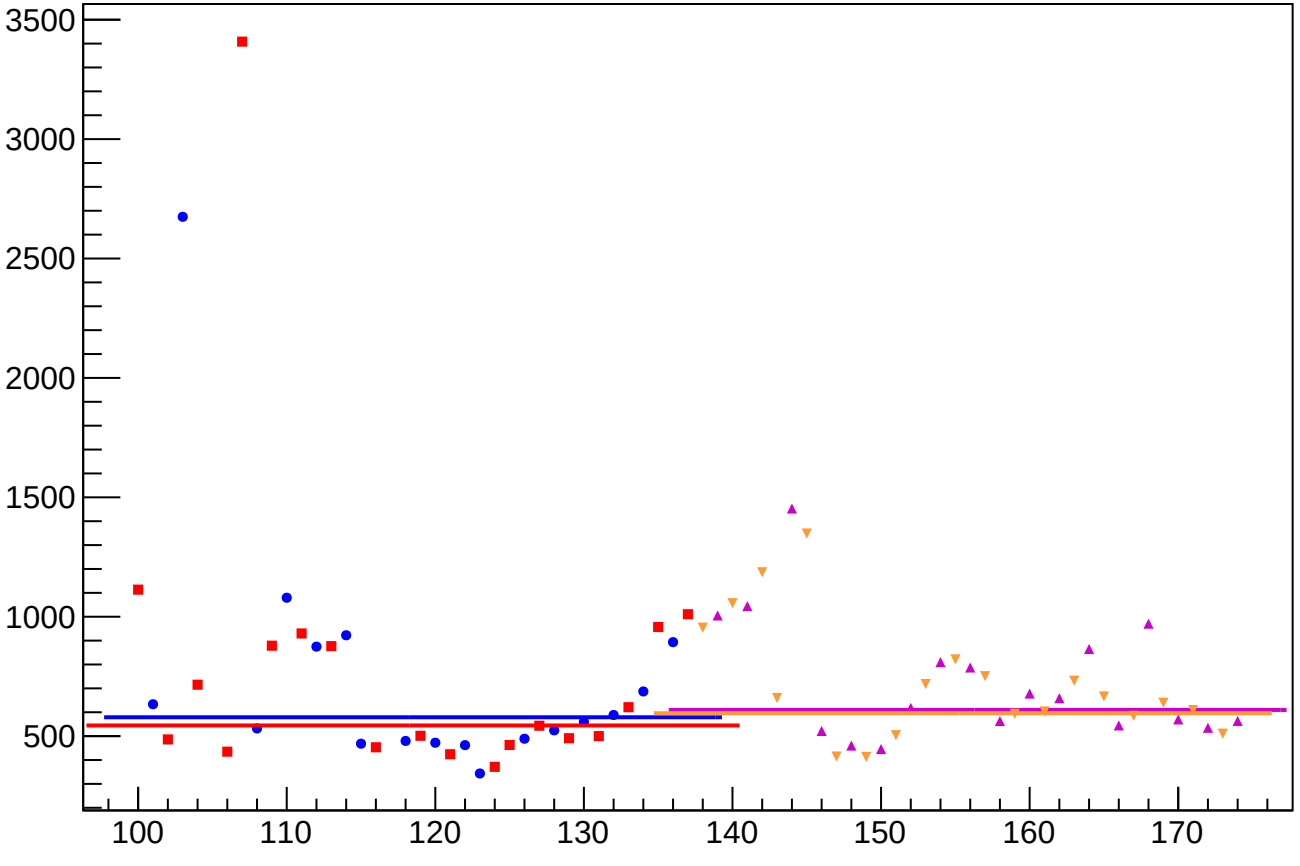
Right: -233.352+/-165.764 χ^2/NDF: 37.0/35

In: -46.837+/-139.010 χ^2/NDF:27.5/34

Out: -205.372+/-134.476 χ^2/NDF:51.0/37

All: -128.732+/-96.652 χ^2/NDF: 79.2/72

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 579.010+/-0.170 χ^2/NDF: 1422148.6/16

Left Out: 595.938+/-0.117 χ^2/NDF:2168257.8/18

Right Out: 544.674+/-0.162 χ^2/NDF: 1457799.9/18

Left In: 609.650+/-0.121 χ^2/NDF:2129841.0/17

Left: 602.618+/-0.084 χ^2/NDF: 4304736.4/36

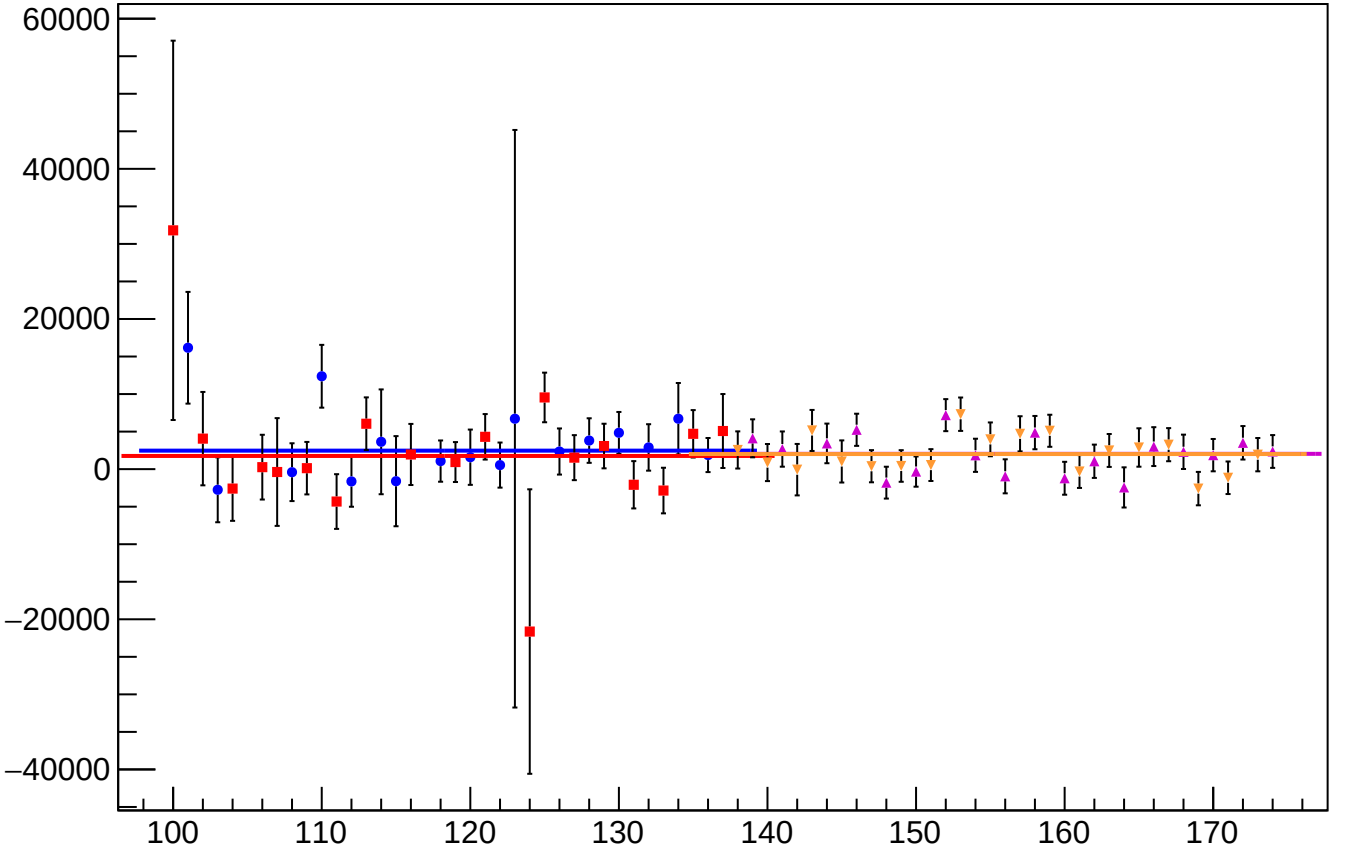
Right: 561.024+/-0.117 χ^2/NDF: 2901353.8/35

In: 599.389+/-0.098 χ^2/NDF:3573631.5/34

Out: 578.265+/-0.095 χ^2/NDF:3691713.8/37

All: 588.477+/-0.068 χ^2/NDF: 7289201.9/72

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2464.076+/-863.197 χ^2/NDF: 15.5/16

Left Out: 2010.187+/-531.972 χ^2/NDF:21.6/18

Right Out: 1756.788+/-853.292 χ^2/NDF: 20.5/18

Left In: 2038.028+/-533.837 χ^2/NDF:22.9/17

Left: 2024.059+/-376.819 χ^2/NDF: 44.5/36

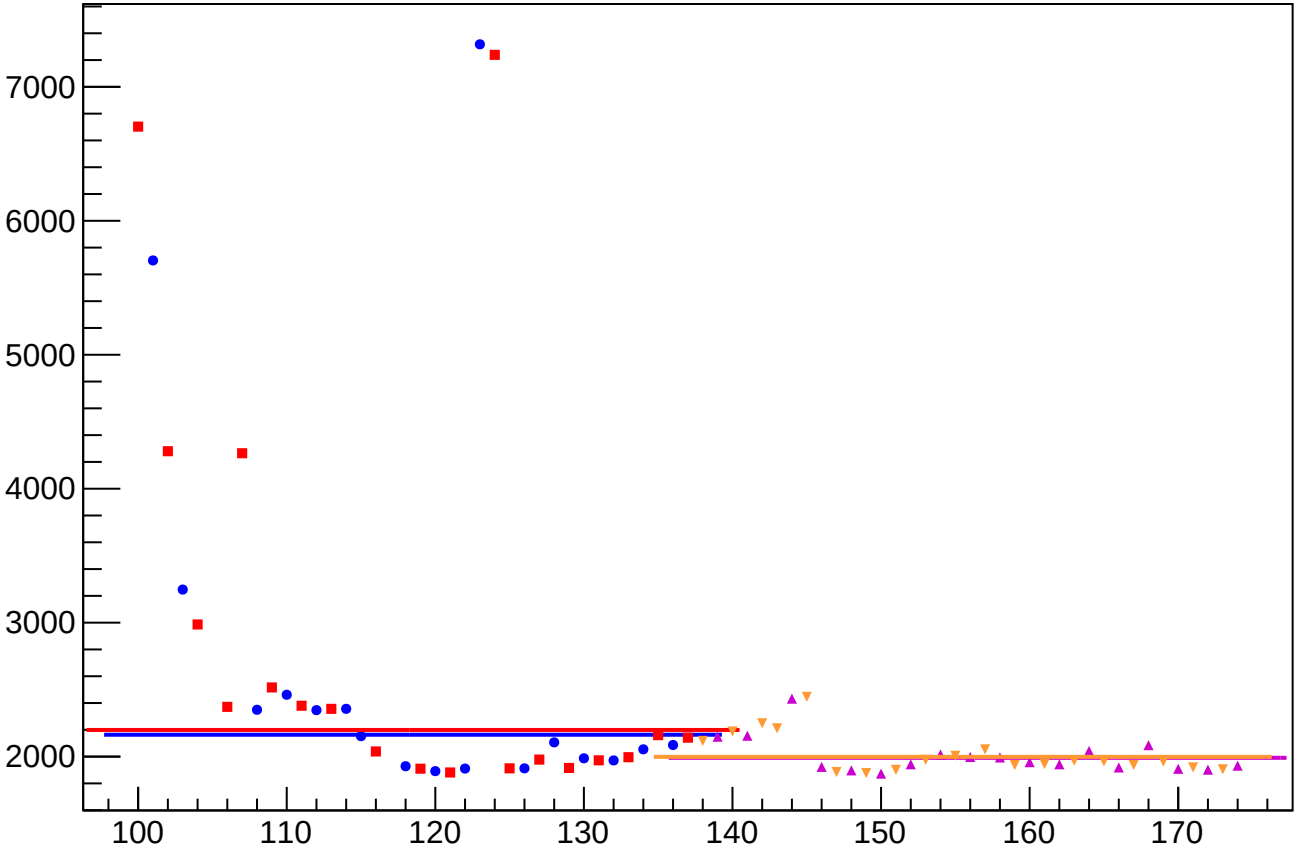
Right: 2106.351+/-606.840 χ^2/NDF: 36.4/35

In: 2155.897+/-454.026 χ^2/NDF:38.6/34

Out: 1939.264+/-451.429 χ^2/NDF:42.1/37

All: 2046.959+/-320.123 χ^2/NDF: 80.9/72

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: 1991.011+/-0.377 χ^2/NDF:102257.4/17

Left: 1994.677+/-0.266 χ^2/NDF: 222080.0/36

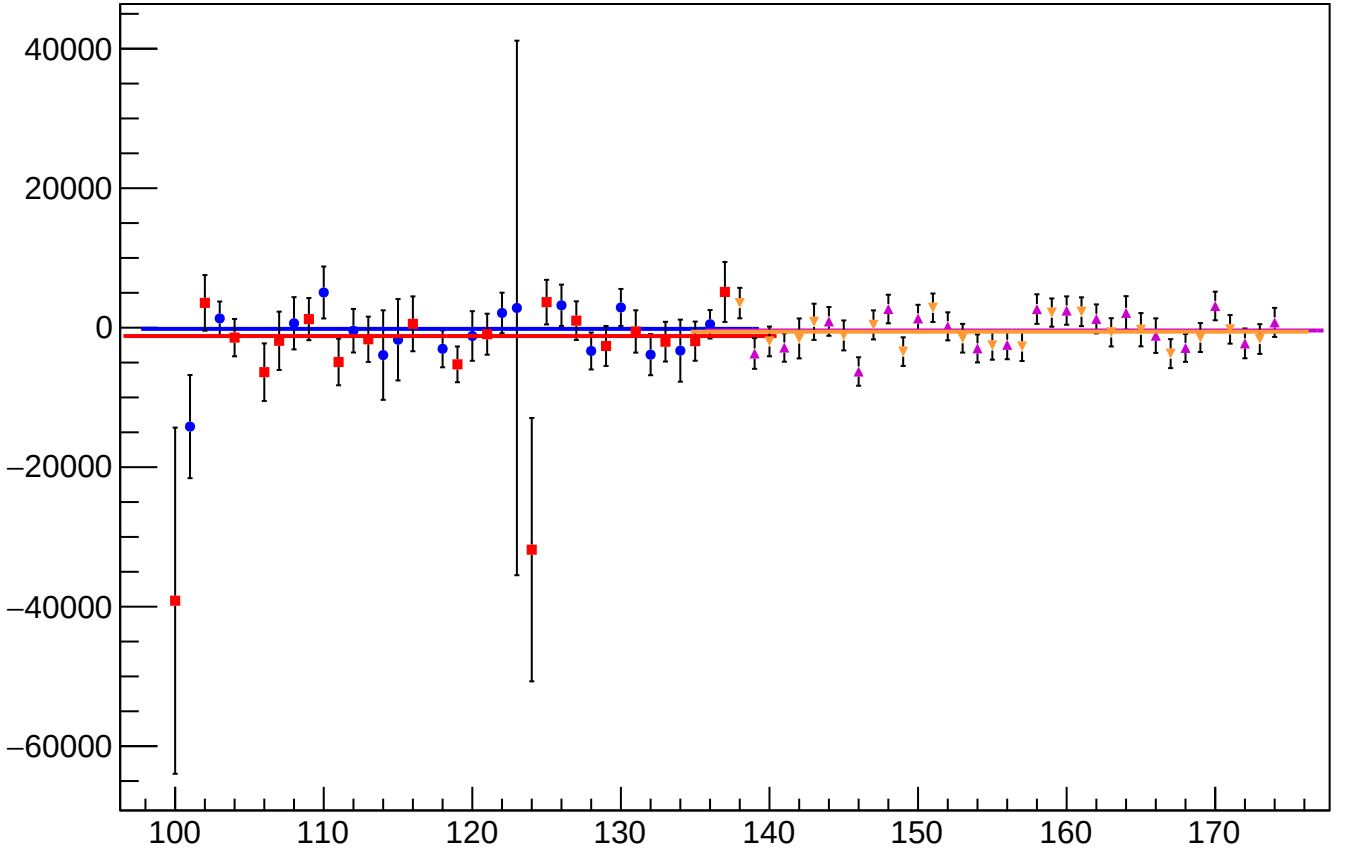
Right: 2181.359+/-0.429 χ^2/NDF: 1514611.9/35

In: 2038.677+/-0.321 χ^2/NDF:869476.3/34

Out: 2054.487+/-0.319 χ^2/NDF:1002596.5/37

All: 2046.627+/-0.226 χ^2/NDF: 1873292.4/72

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: -402.287+/-492.704 χ^2/NDF:29.6/17

Left: -487.518+/-347.791 χ^2/NDF: 47.7/36

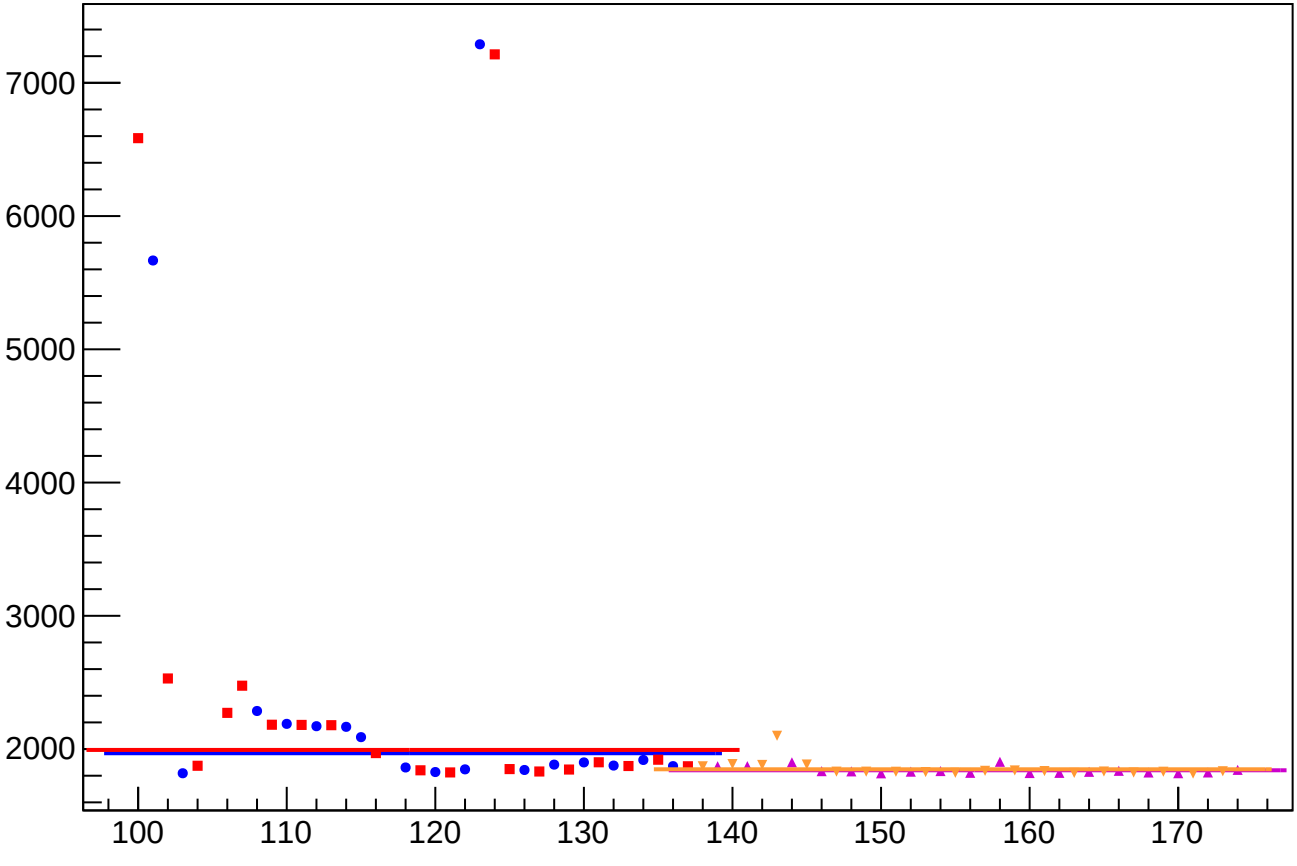
Right: -695.987+/-546.706 χ^2/NDF: 33.6/35

In: -336.425+/-416.920 χ^2/NDF:44.2/34

Out: -754.874+/-413.095 χ^2/NDF:36.7/37

All: -547.578+/-293.445 χ^2/NDF: 81.4/72

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1968.632+/-0.553 χ^2/NDF: 602972.8/16

Left Out: 1848.171+/-0.347 χ^2/NDF:23150.1/18

Right Out: 1993.422+/-0.540 χ^2/NDF: 356172.4/18

Left In: 1840.752+/-0.348 χ^2/NDF:5804.7/17

Left: 1844.475+/-0.246 χ^2/NDF: 29182.3/36

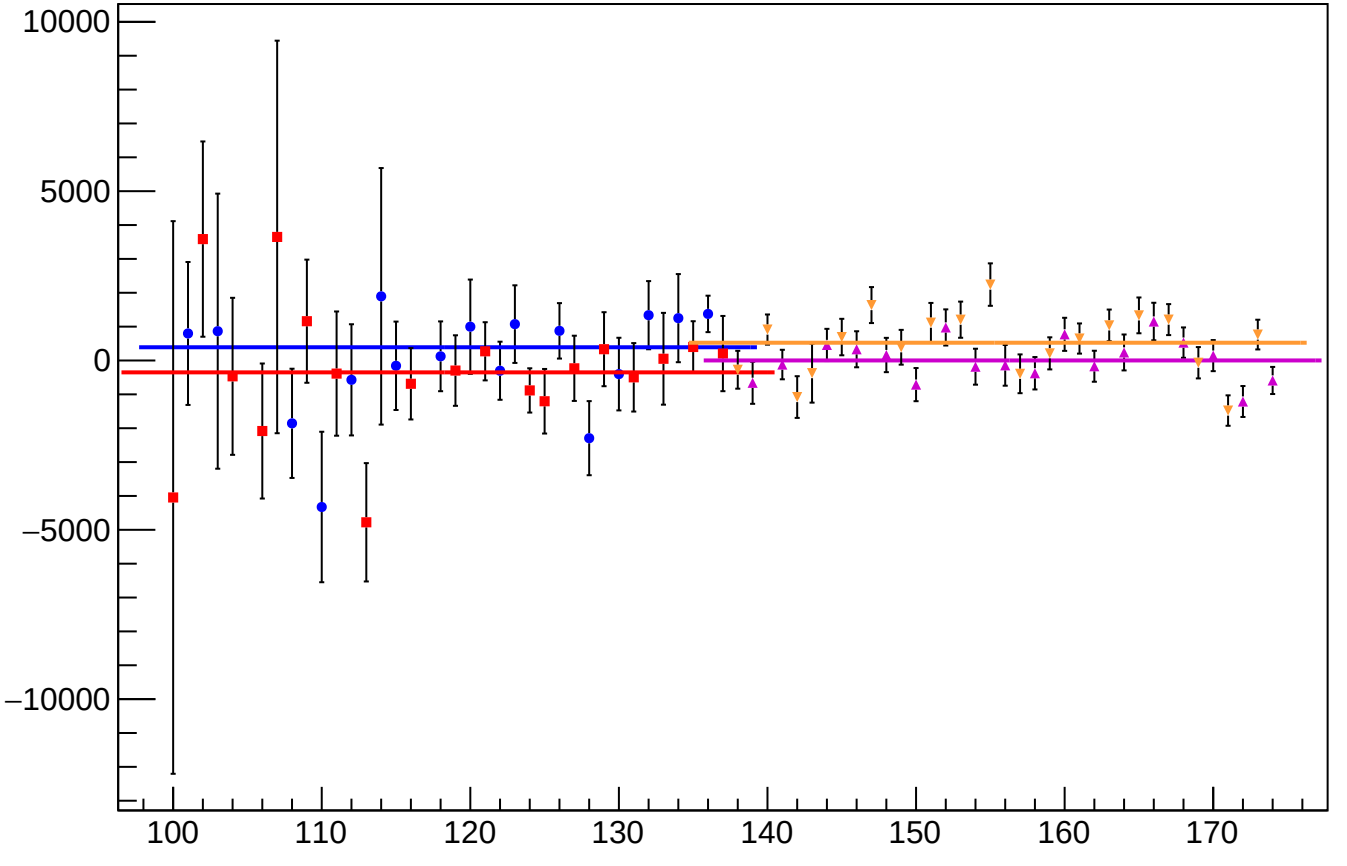
Right: 1981.318+/-0.387 χ^2/NDF: 960172.6/35

In: 1877.066+/-0.295 χ^2/NDF:647036.2/34

Out: 1890.608+/-0.292 χ^2/NDF:430458.0/37

All: 1883.899+/-0.207 χ^2/NDF: 1078559.1/72

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 390.923+/-270.128 χ^2/NDF: 20.0/16

Left Out: 524.652+/-117.626 χ^2/NDF:56.0/18

Right Out: -350.642+/-266.097 χ^2/NDF: 14.2/18

Left In: 1.552+/-115.775 χ^2/NDF:26.7/17

Left: 258.953+/-82.512 χ^2/NDF: 92.8/36

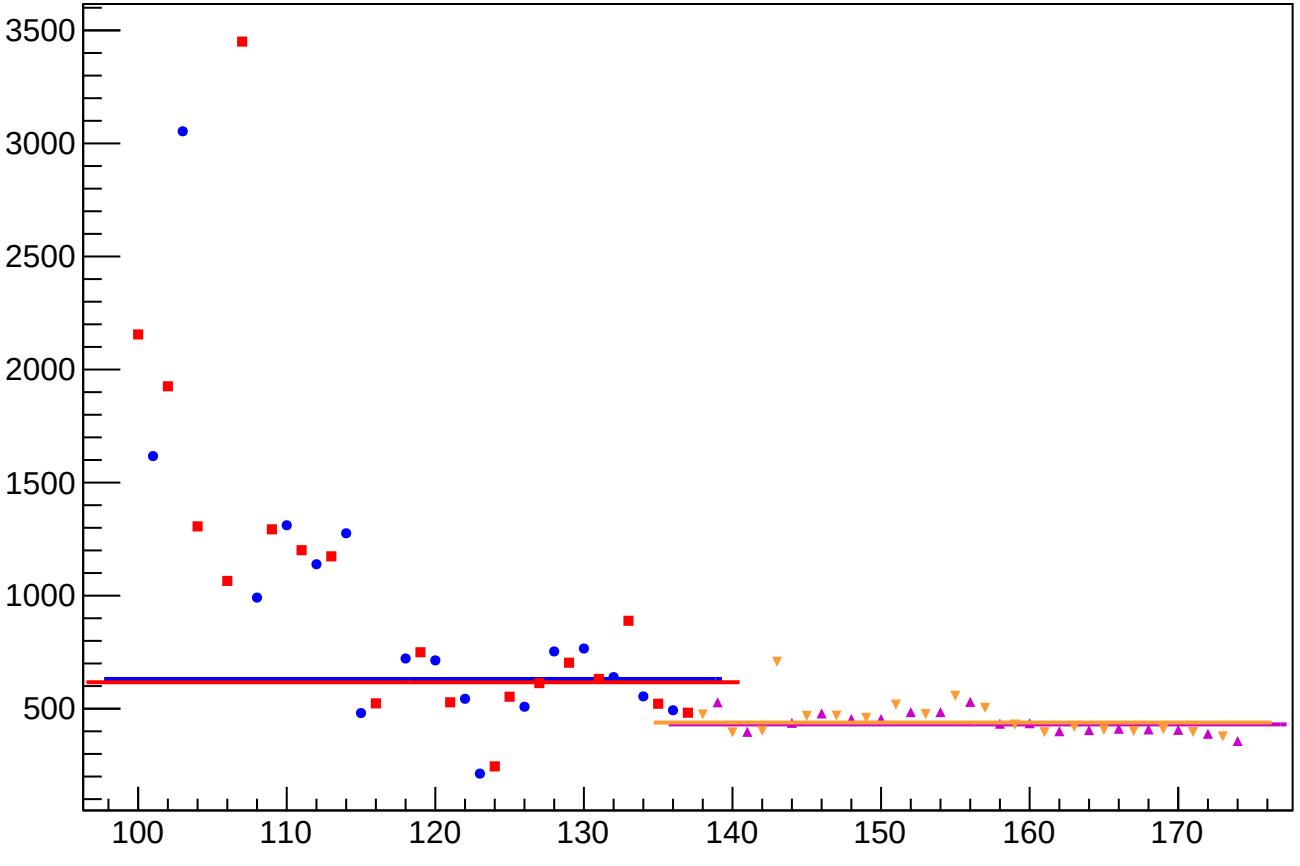
Right: 14.566+/-189.568 χ^2/NDF: 38.1/35

In: 61.977+/-106.413 χ^2/NDF:48.5/34

Out: 381.575+/-107.584 χ^2/NDF:79.3/37

All: 220.027+/-75.656 χ^2/NDF: 132.3/72

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 631.430+/-0.191 χ^2/NDF: 2260692.7/16

Left Out: 438.769+/-0.083 χ^2/NDF:492957.6/18

Right Out: 617.035+/-0.188 χ^2/NDF: 2802149.9/18

Left In: 430.561+/-0.082 χ^2/NDF:293773.1/17

Left: 434.600+/-0.058 χ^2/NDF: 791678.0/36

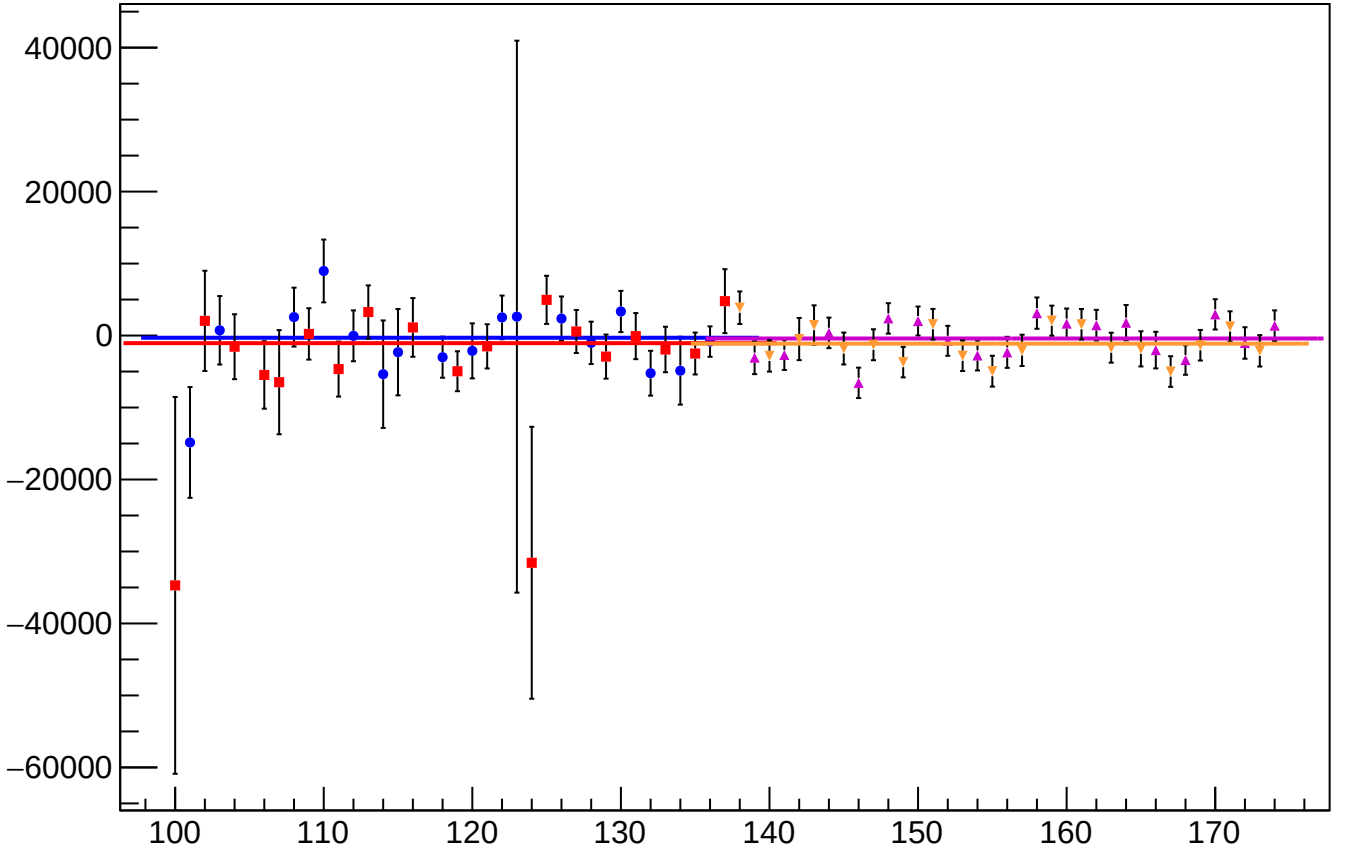
Right: 624.124+/-0.134 χ^2/NDF: 5065724.7/35

In: 461.733+/-0.075 χ^2/NDF:3488745.0/34

Out: 467.909+/-0.076 χ^2/NDF:4045995.1/37

All: 464.787+/-0.053 χ^2/NDF: 7538072.1/72

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -305.713+/-871.922 χ^2/NDF: 17.2/16

Left Out: -1125.832+/-506.403 χ^2/NDF:22.5/18

Right Out: -1056.856+/-867.445 χ^2/NDF: 16.6/18

Left In: -408.665+/-507.181 χ^2/NDF:27.5/17

Left: -767.799+/-358.355 χ^2/NDF: 51.0/36

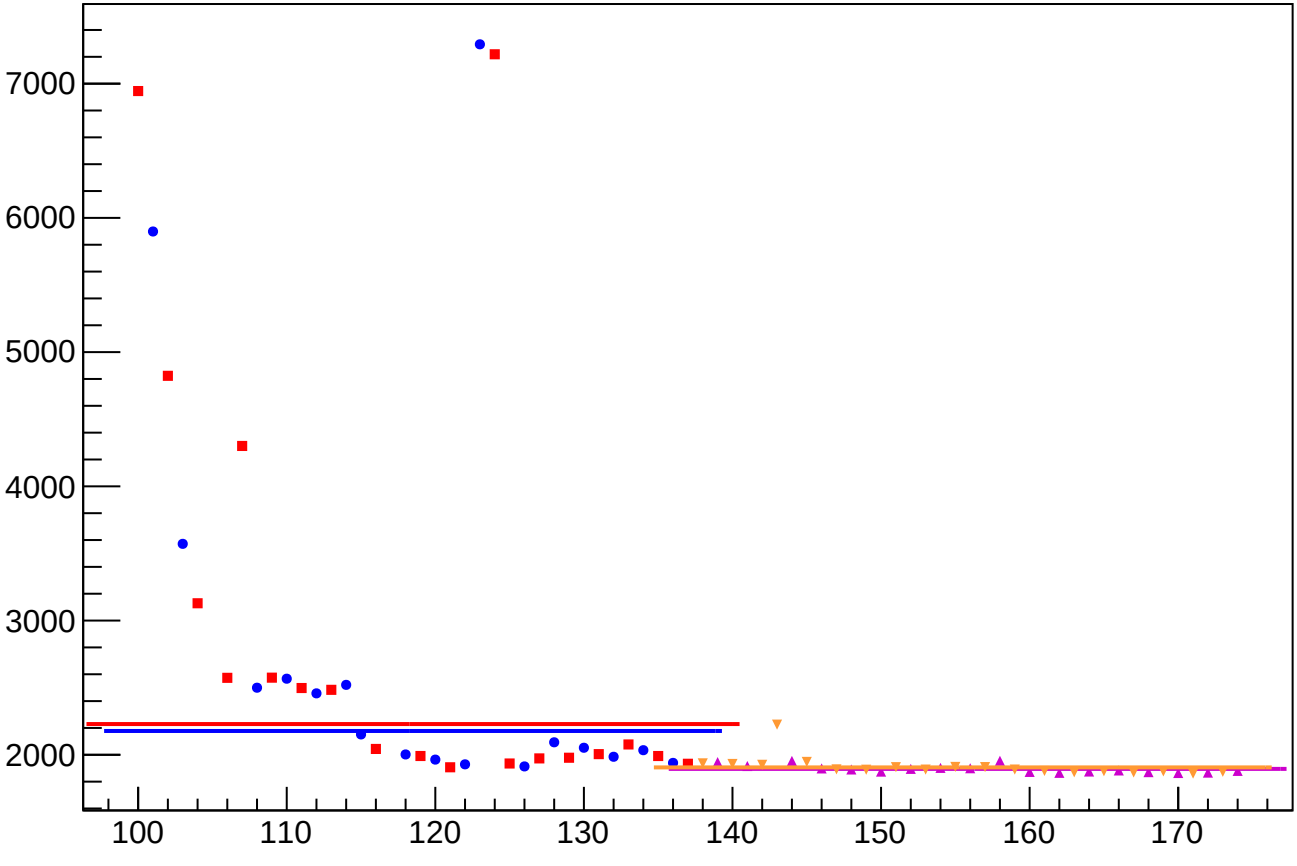
Right: -683.218+/-614.953 χ^2/NDF: 34.2/35

In: -382.637+/-438.407 χ^2/NDF:44.6/34

Out: -1108.300+/-437.334 χ^2/NDF:39.2/37

All: -746.358+/-309.620 χ^2/NDF: 85.2/72

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2177.446+/-0.617 χ^2/NDF: 802836.7/16

Left Out: 1906.037+/-0.358 χ^2/NDF:32372.6/18

Right Out: 2229.014+/-0.613 χ^2/NDF: 895809.1/18

Left In: 1894.998+/-0.359 χ^2/NDF:6445.3/17

Left: 1900.526+/-0.253 χ^2/NDF: 39292.4/36

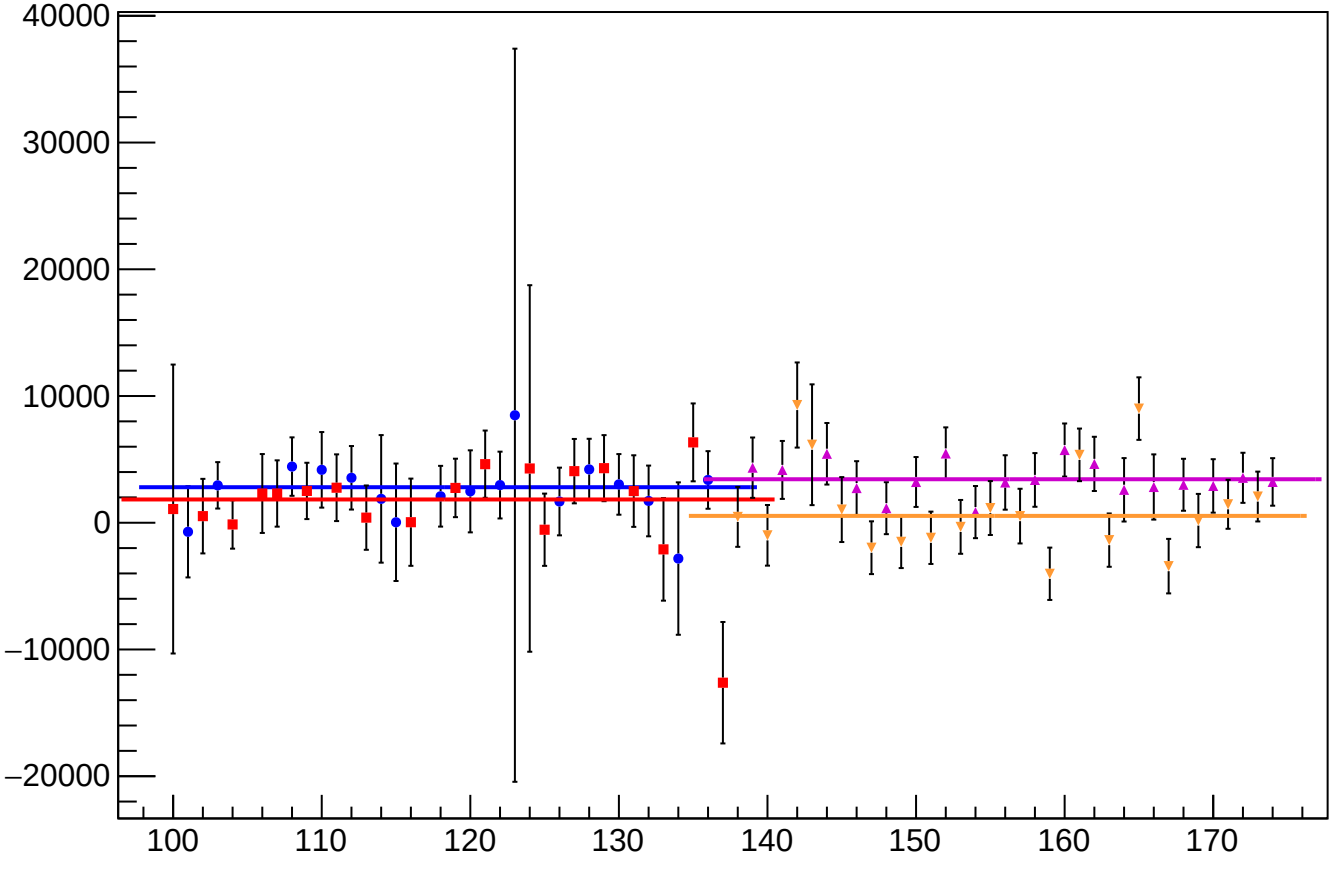
Right: 2203.363+/-0.435 χ^2/NDF: 1702161.6/35

In: 1966.405+/-0.310 χ^2/NDF:966094.5/34

Out: 1988.132+/-0.309 χ^2/NDF:1134968.8/37

All: 1977.295+/-0.219 χ^2/NDF: 2103525.4/72

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: 3432.546+/-504.617 χ^2/NDF:6.7/17

Left: 2006.839+/-359.259 χ^2/NDF: 62.0/36

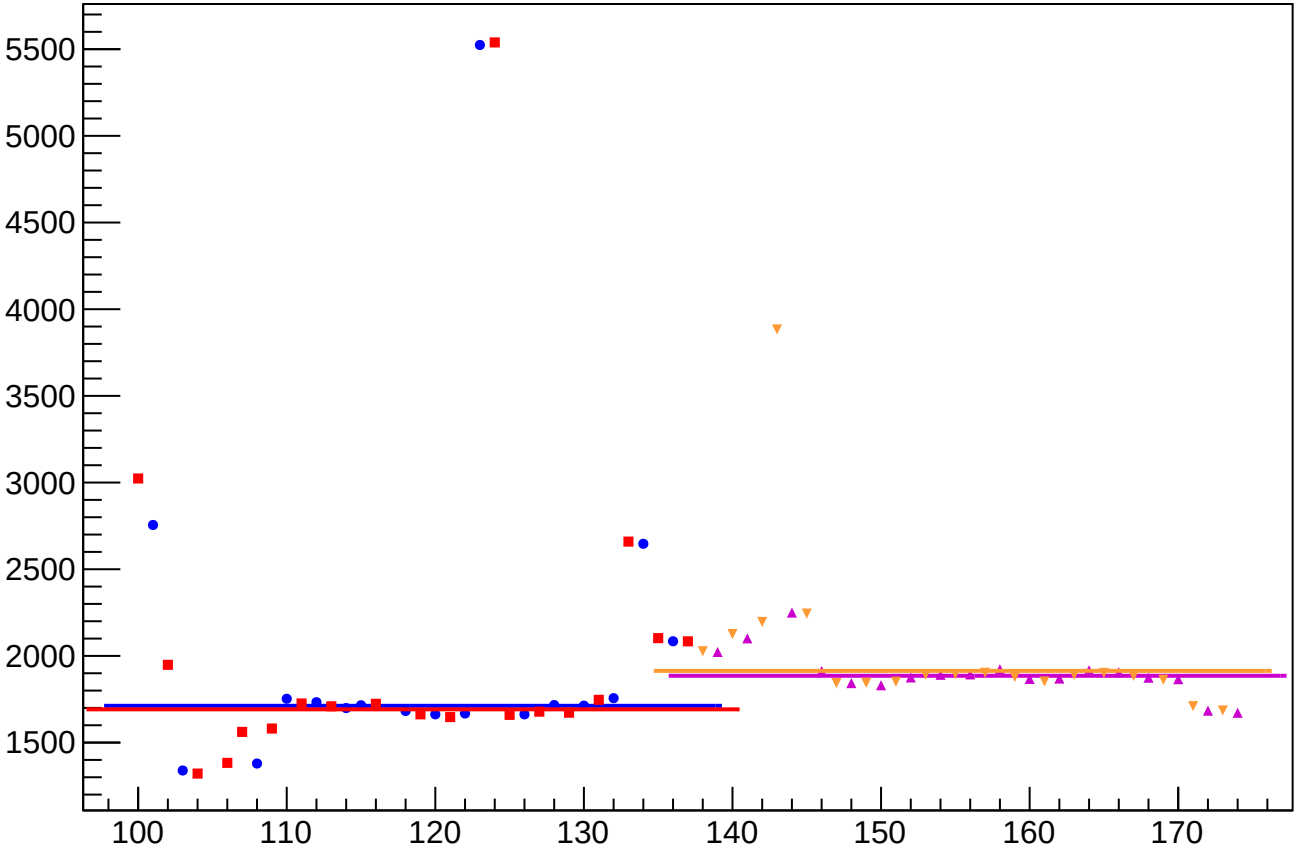
Right: 2303.702+/-471.374 χ^2/NDF: 23.0/35

In: 3208.688+/-404.920 χ^2/NDF:11.2/34

Out: 1032.110+/-403.257 χ^2/NDF:59.6/37

All: 2115.918+/-285.732 χ^2/NDF: 85.3/72

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: 1885.430+/-0.357 χ^2/NDF:120580.7/17

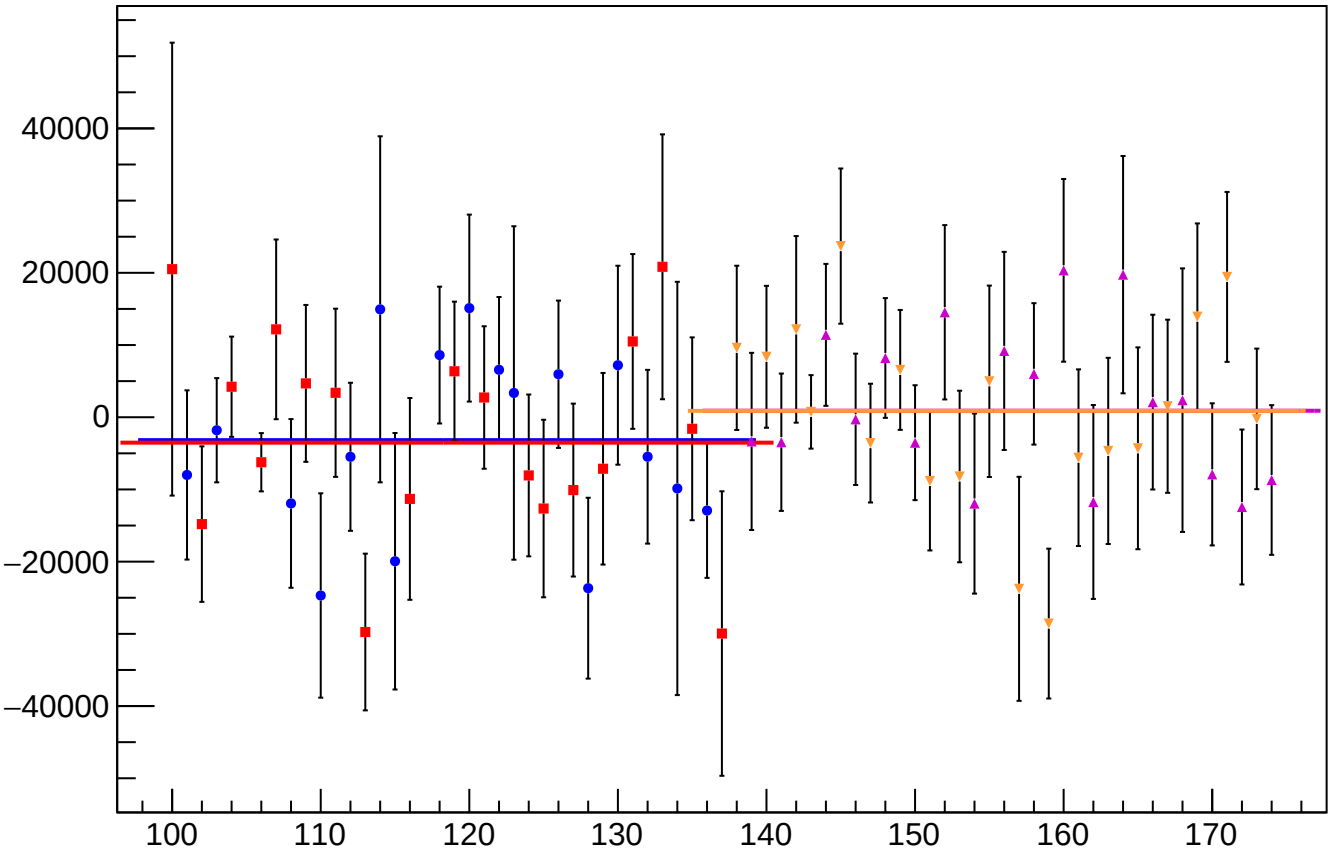
Left: 1899.370+/-0.254 χ^2/NDF: 593194.1/36

Right: 1701.595+/-0.333 χ^2/NDF: 888336.5/35

In: 1823.725+/-0.286 χ^2/NDF:637036.1/34

Out: 1829.649+/-0.285 χ^2/NDF:1066994.5/37

All: 1826.699+/-0.202 χ^2/NDF: 1704245.5/72



Right In: -3173.245+/-2851.982 χ^2/NDF: 14.4/16

Left Out: 884.682+/-2317.544 χ^2/NDF:23.6/18

Right Out: -3520.105+/-2266.532 χ^2/NDF: 19.5/18

Left In: 900.450+/-2555.240 χ^2/NDF:13.3/17

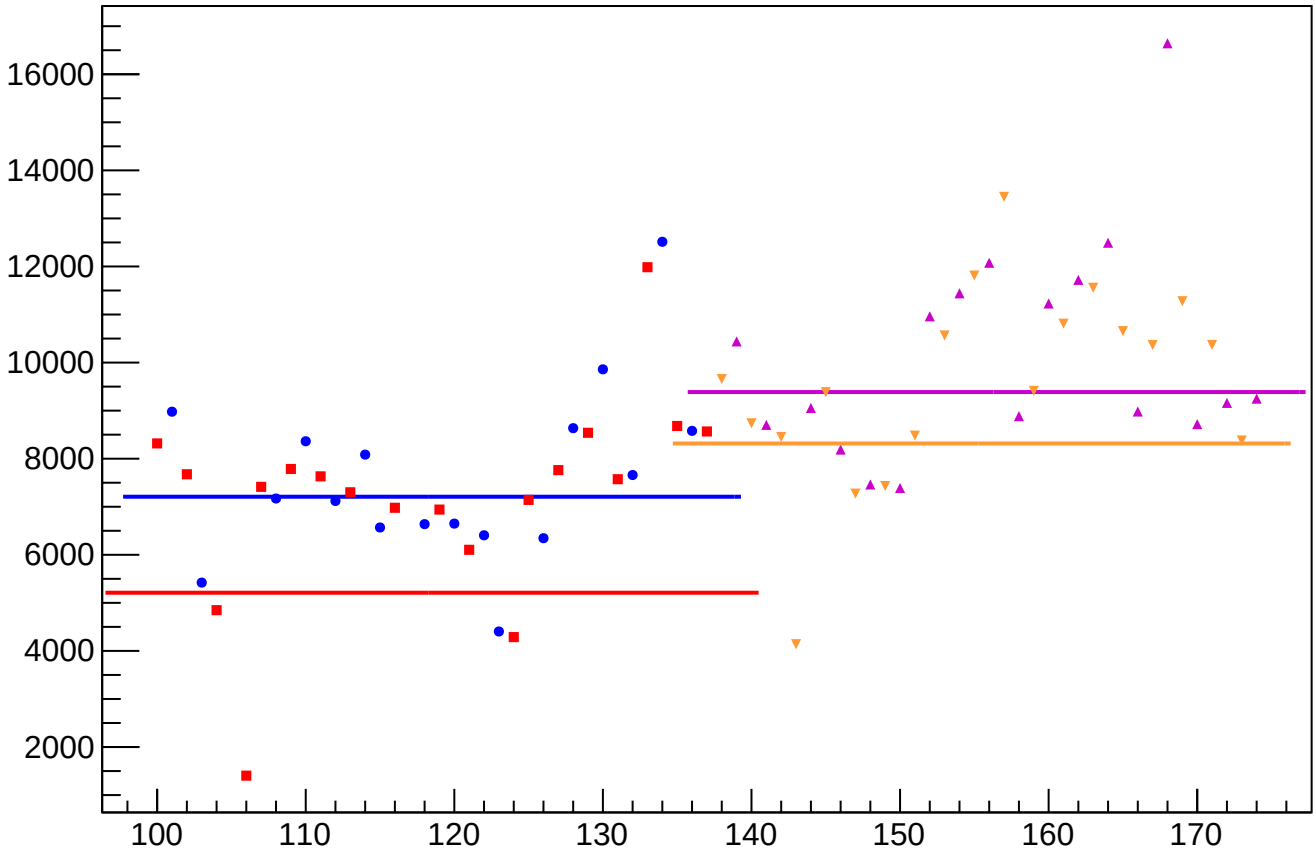
Left: 891.799+/-1716.649 χ^2/NDF: 36.9/36

Right: -3385.836+/-1774.424 χ^2/NDF: 33.9/35

In: -913.509+/-1903.120 χ^2/NDF:28.8/34

Out: -1366.723+/-1620.415 χ^2/NDF:45.0/37

All: -1176.246+/-1233.774 χ^2/NDF: 73.9/72



Right In: 7208.567+/-2.017 χ^2/NDF: 469302.0/16

Left Out: 8316.671+/-1.639 χ^2/NDF:2394218.7/18

Right Out: 5211.187+/-1.603 χ^2/NDF: 3196870.2/18

Left In: 9387.079+/-1.807 χ^2/NDF:969350.2/17

Left: 8799.784+/-1.214 χ^2/NDF: 3556131.2/36

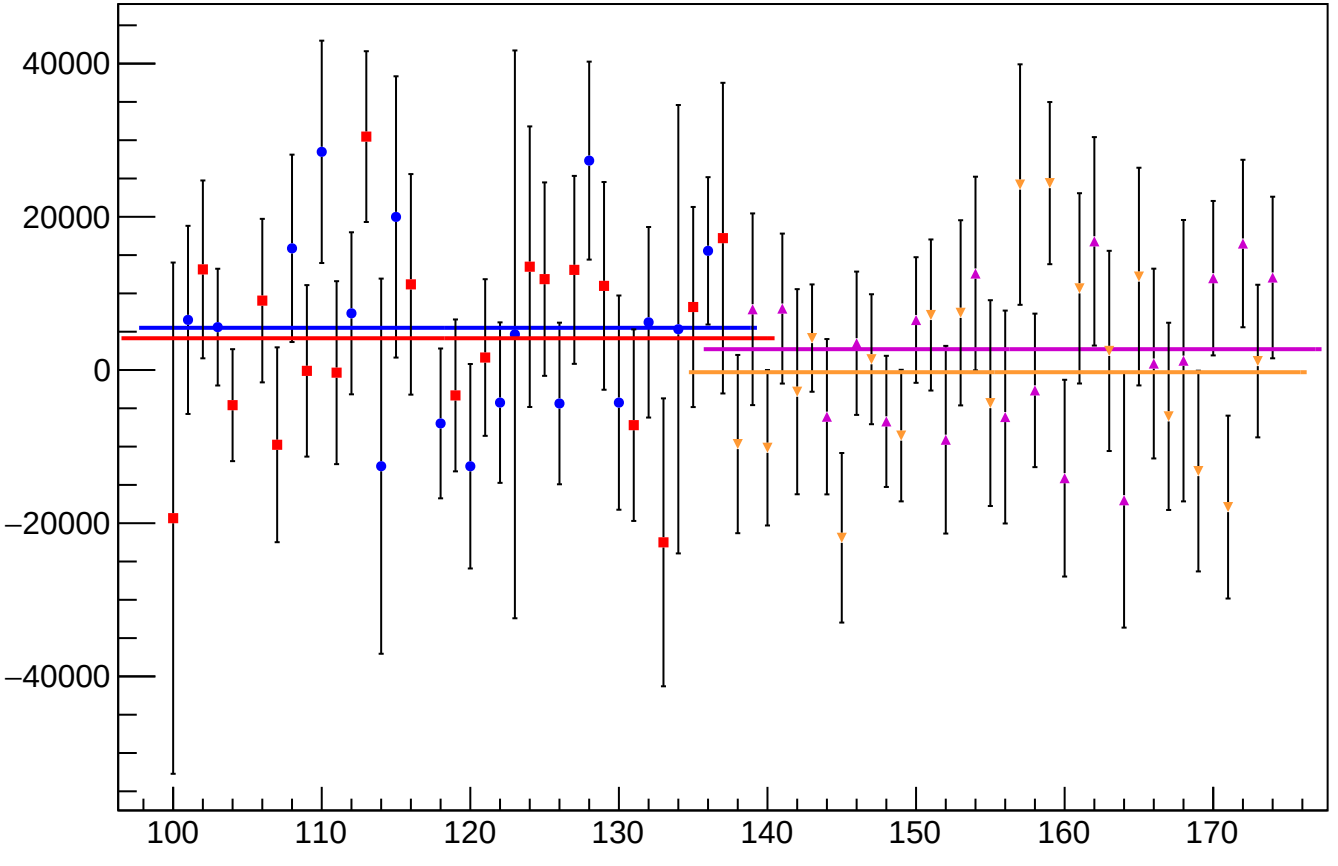
Right: 5984.369+/-1.255 χ^2/NDF: 4267414.1/35

In: 8417.018+/-1.346 χ^2/NDF:2085981.4/34

Out: 6729.375+/-1.146 χ^2/NDF:7426618.2/37

All: 7438.657+/-0.872 χ^2/NDF: 10424352.6/7

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: 2718.372+/-2614.359 χ^2/NDF:12.3/17

Left: 1142.685+/-1803.246 χ^2/NDF: 33.8/36

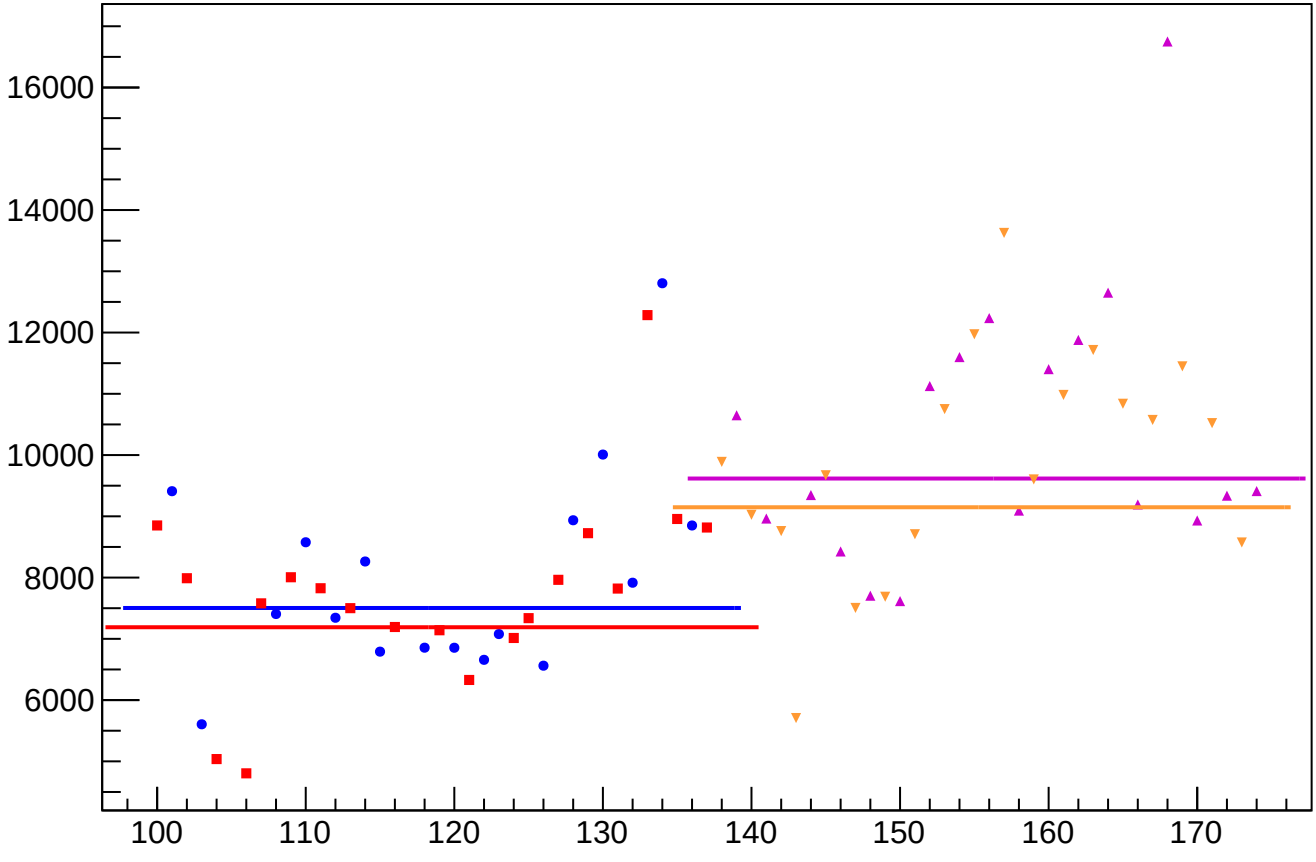
Right: 4784.984+/-2033.900 χ^2/NDF: 29.6/35

In: 3936.377+/-1962.684 χ^2/NDF:26.9/34

Out: 1678.605+/-1858.009 χ^2/NDF:37.6/37

All: 2745.682+/-1349.299 χ^2/NDF: 65.2/72

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667+/-2.101 χ^2/NDF: 427313.5/16

Left Out: 9147.962+/-1.761 χ^2/NDF:1194872.1/18

Right Out: 7189.231+/-1.973 χ^2/NDF: 557703.4/18

Left In: 9616.864+/-1.849 χ^2/NDF:907298.0/17

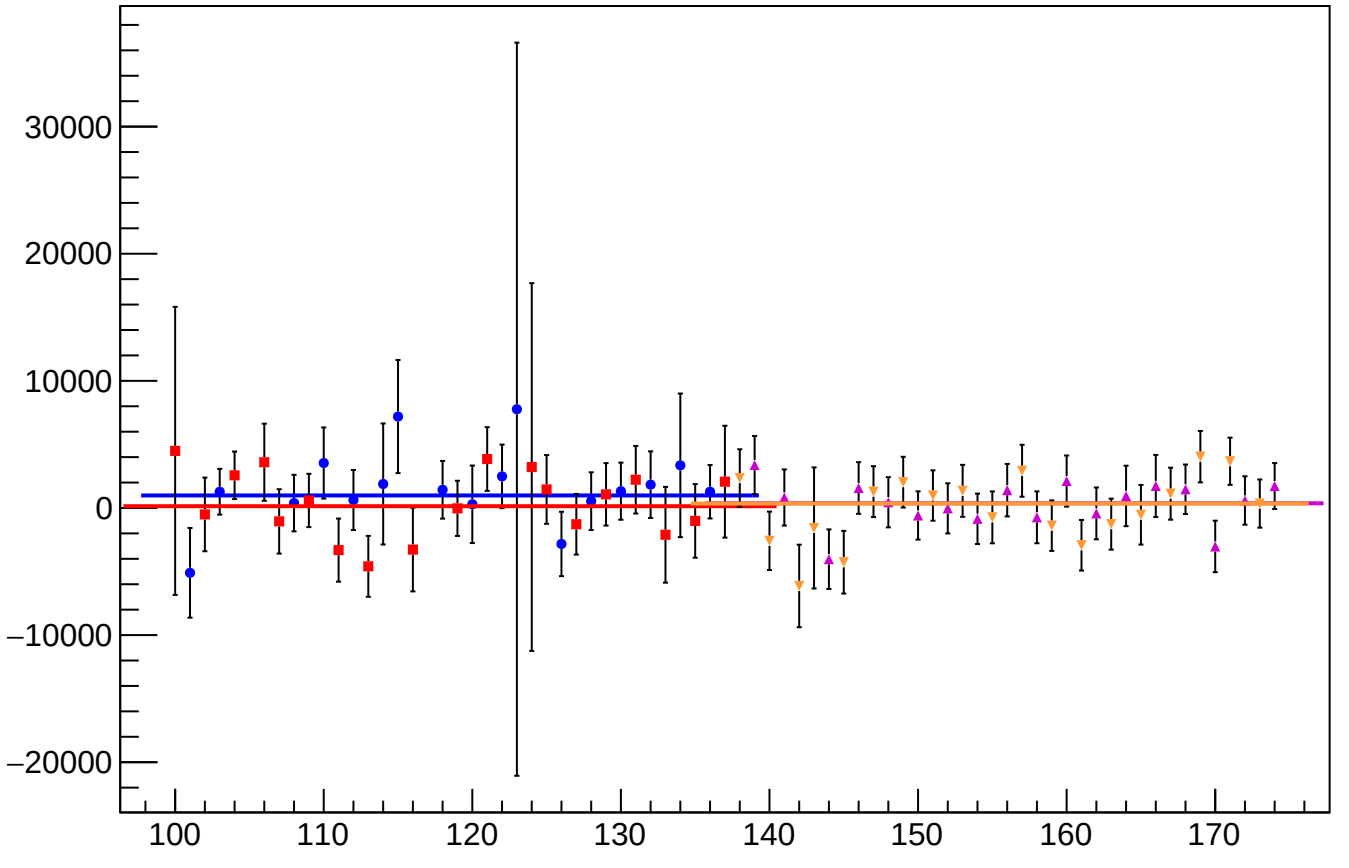
Left: 9371.043+/-1.275 χ^2/NDF: 2135899.0/36

Right: 7336.574+/-1.438 χ^2/NDF: 996921.9/35

In: 8694.636+/-1.388 χ^2/NDF:1904878.2/34

Out: 8279.286+/-1.314 χ^2/NDF:2301218.8/37

All: 8475.581+/-0.954 χ^2/NDF: 4253336.9/72



Right In: 985.452+/-644.630 χ^2/NDF: 9.1/16

Left Out: 351.004+/-490.804 χ^2/NDF:24.2/18

Right Out: 138.627+/-623.555 χ^2/NDF: 14.7/18

Left In: 365.935+/-484.317 χ^2/NDF:11.8/17

Left: 358.569+/-344.735 χ^2/NDF: 36.0/36

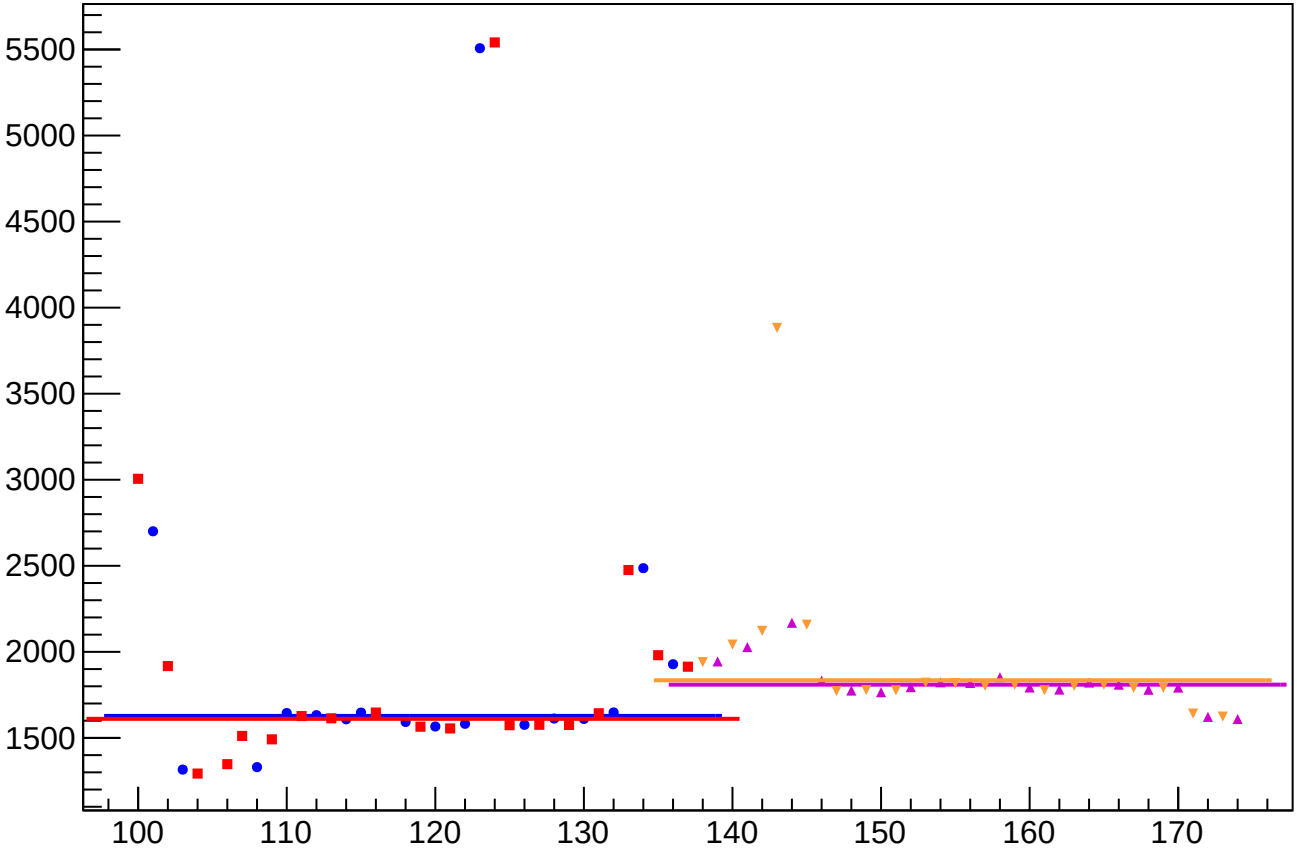
Right: 547.971+/-448.185 χ^2/NDF: 24.6/35

In: 589.460+/-387.210 χ^2/NDF:21.5/34

Out: 269.762+/-385.667 χ^2/NDF:38.9/37

All: 428.973+/-273.252 χ^2/NDF: 60.8/72

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836+/-0.456 χ^2/NDF: 407106.6/16

Left Out: 1834.975+/-0.347 χ^2/NDF:497322.2/18

Right Out: 1610.948+/-0.441 χ^2/NDF: 433960.8/18

Left In: 1809.494+/-0.342 χ^2/NDF:121804.6/17

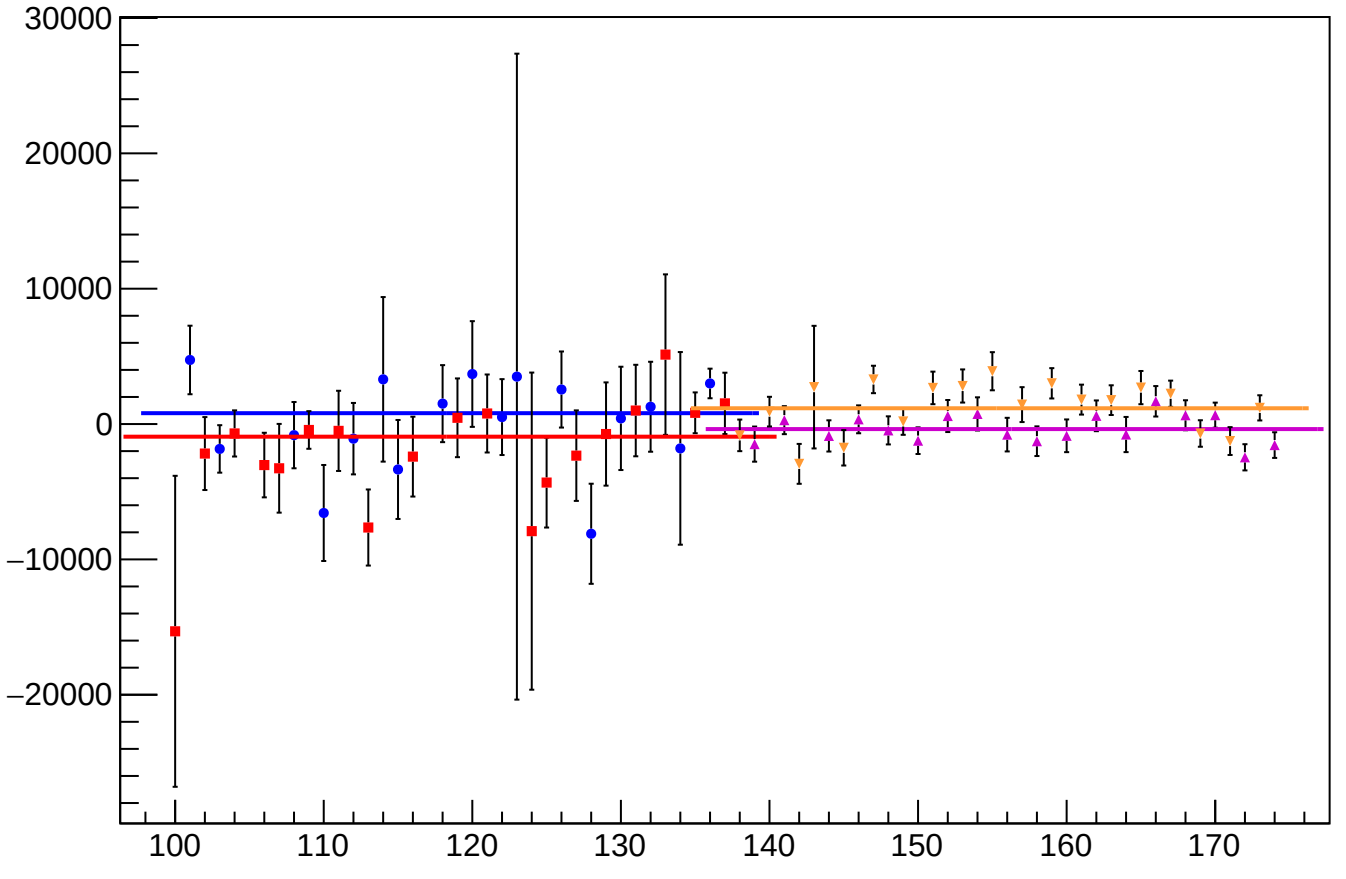
Left: 1822.065+/-0.244 χ^2/NDF: 621858.1/36

Right: 1619.112+/-0.317 χ^2/NDF: 841776.5/35

In: 1743.951+/-0.274 χ^2/NDF:630431.0/34

Out: 1749.276+/-0.273 χ^2/NDF:1090683.8/37

All: 1746.624+/-0.193 χ^2/NDF: 1721304.7/72



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: -372.110+/-257.817 χ^2/NDF:17.5/17

Left: 381.238+/-184.168 χ^2/NDF: 78.6/36

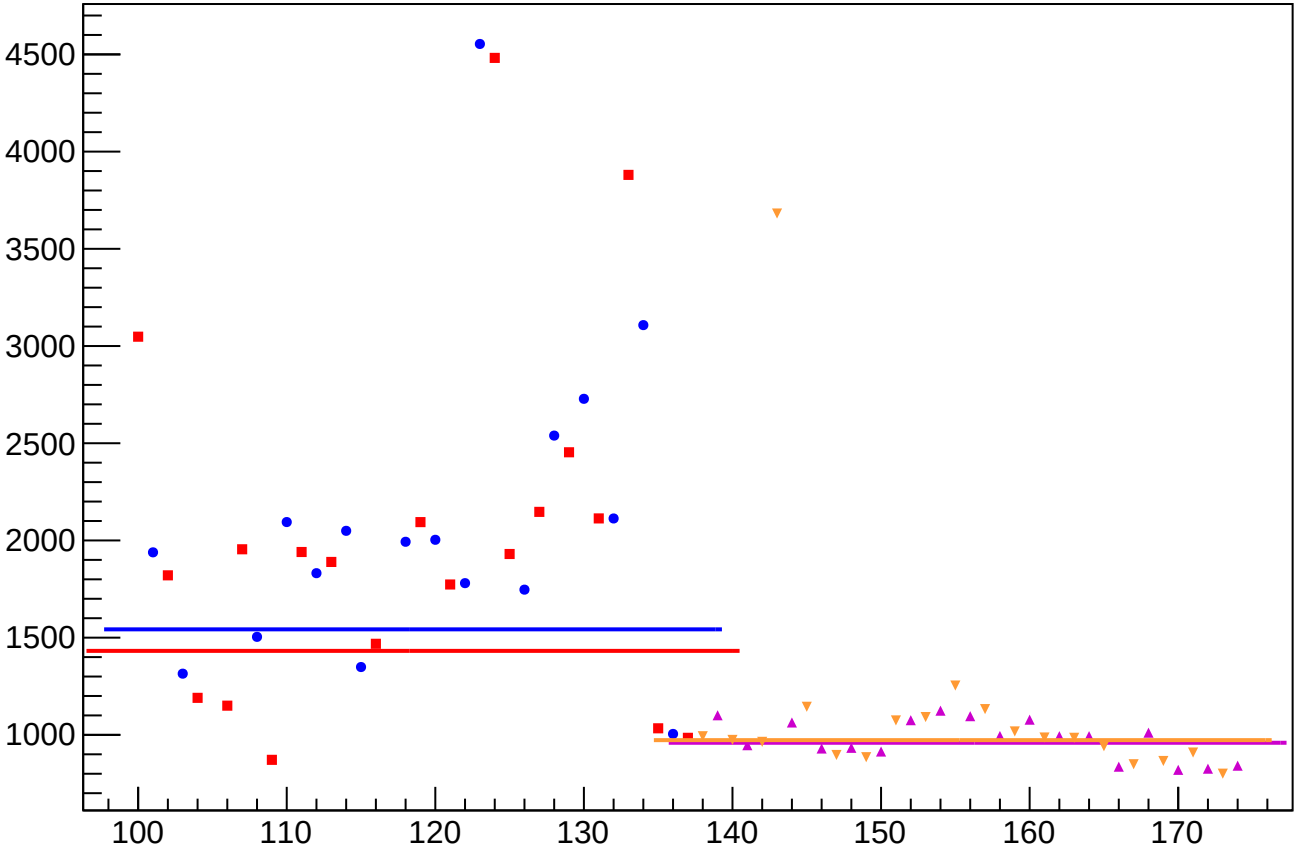
Right: -124.875+/-431.067 χ^2/NDF: 41.7/35

In: -204.301+/-238.701 χ^2/NDF:42.9/34

Out: 817.467+/-240.326 χ^2/NDF:69.5/37

All: 303.116+/-169.359 χ^2/NDF: 121.5/72

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.705+/-0.447 χ^2/NDF: 1287946.3/16

Left Out: 972.842+/-0.186 χ^2/NDF:1058932.4/18

Right Out: 1432.013+/-0.417 χ^2/NDF: 1823809.4/18

Left In: 959.371+/-0.182 χ^2/NDF:294059.7/17

Left: 965.968+/-0.130 χ^2/NDF: 1355666.0/36

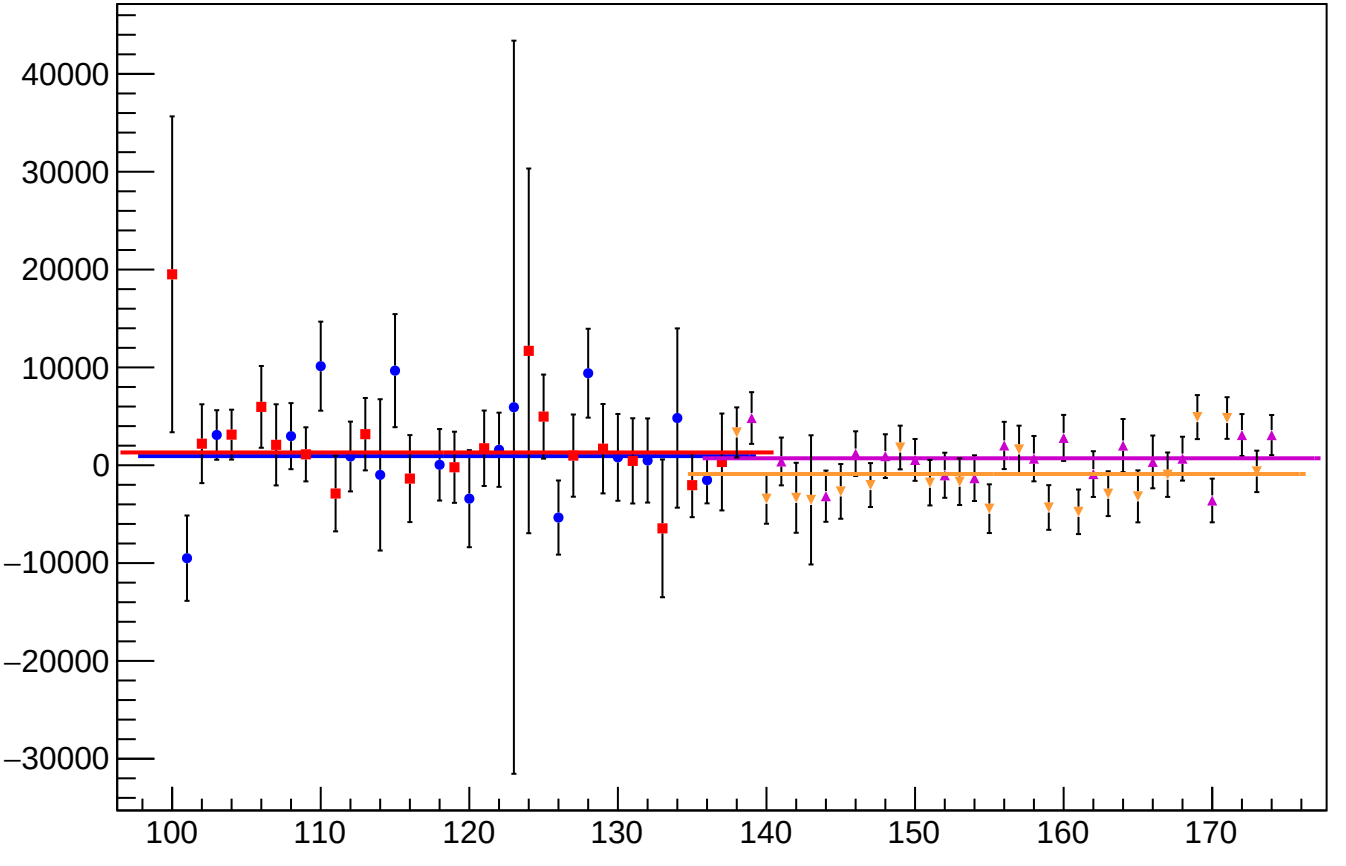
Right: 1483.562+/-0.305 χ^2/NDF: 3144570.0/35

In: 1042.669+/-0.169 χ^2/NDF:3044047.7/34

Out: 1049.098+/-0.170 χ^2/NDF:3893869.3/37

All: 1045.862+/-0.120 χ^2/NDF: 6938637.4/72

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: 711.225+/-551.520 χ^2/NDF:14.1/17

Left: -77.370+/-393.316 χ^2/NDF: 48.7/36

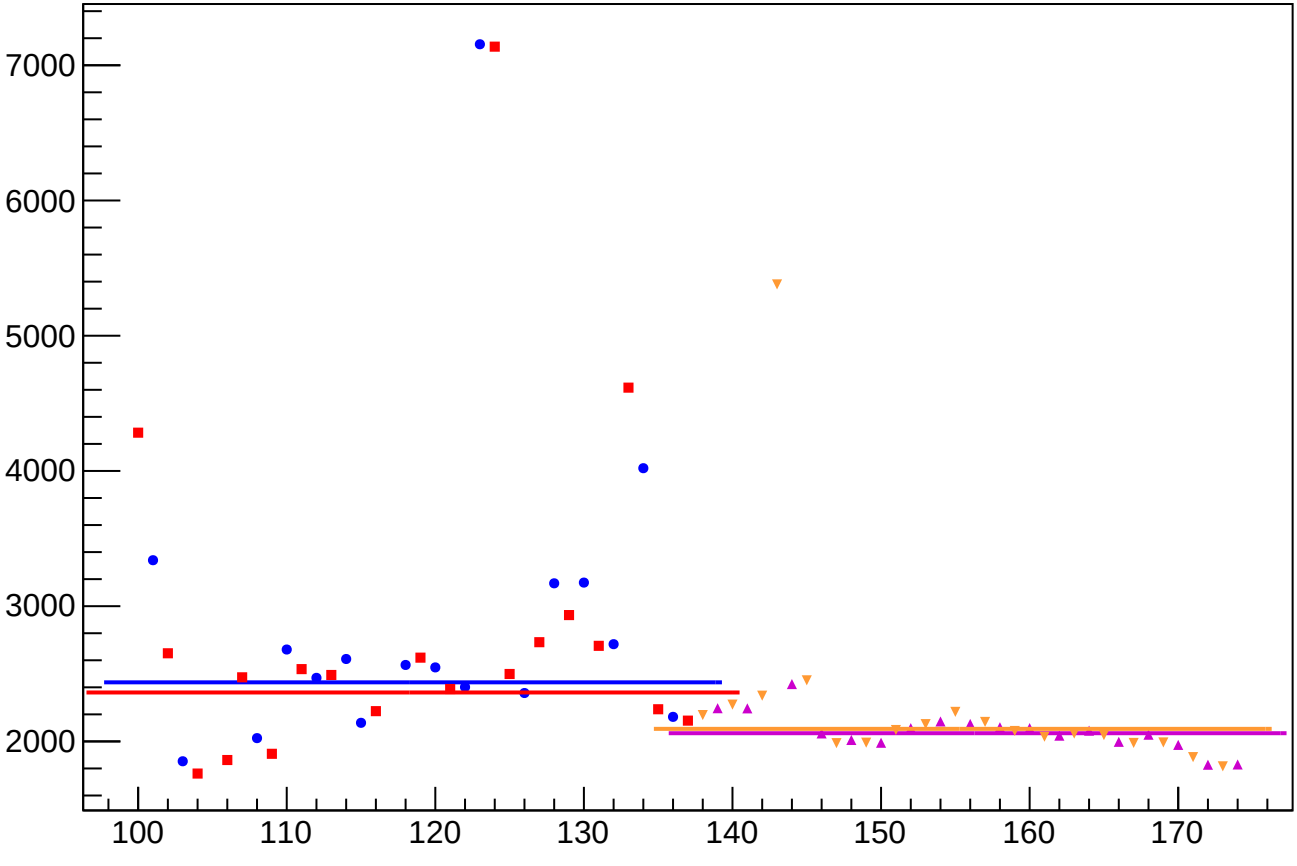
Right: 1128.728+/-668.896 χ^2/NDF: 30.2/35

In: 765.534+/-479.192 χ^2/NDF:35.8/34

Out: -301.831+/-479.776 χ^2/NDF:43.0/37

All: 232.502+/-339.046 χ^2/NDF: 81.3/72

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: 2060.668+/-0.390 χ^2/NDF:122370.1/17

Left: 2076.507+/-0.278 χ^2/NDF: 755705.3/36

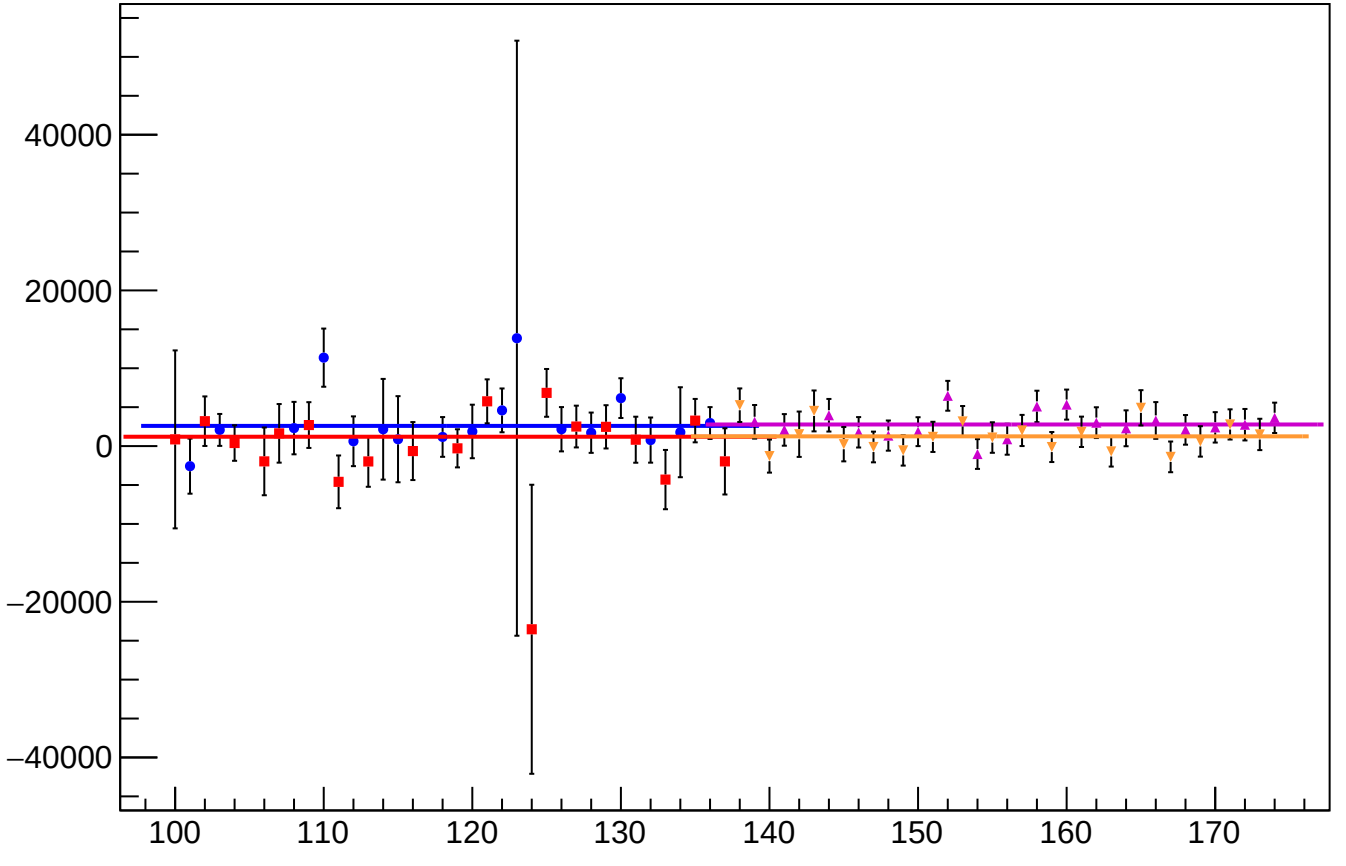
Right: 2397.684+/-0.473 χ^2/NDF: 1131146.9/35

In: 2152.867+/-0.339 χ^2/NDF:819454.4/34

Out: 2165.198+/-0.339 χ^2/NDF:1409376.9/37

All: 2159.025+/-0.240 χ^2/NDF: 2229492.6/72

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: 2775.623+/-472.235 χ^2/NDF:13.6/17

Left: 2013.974+/-334.027 χ^2/NDF: 34.6/36

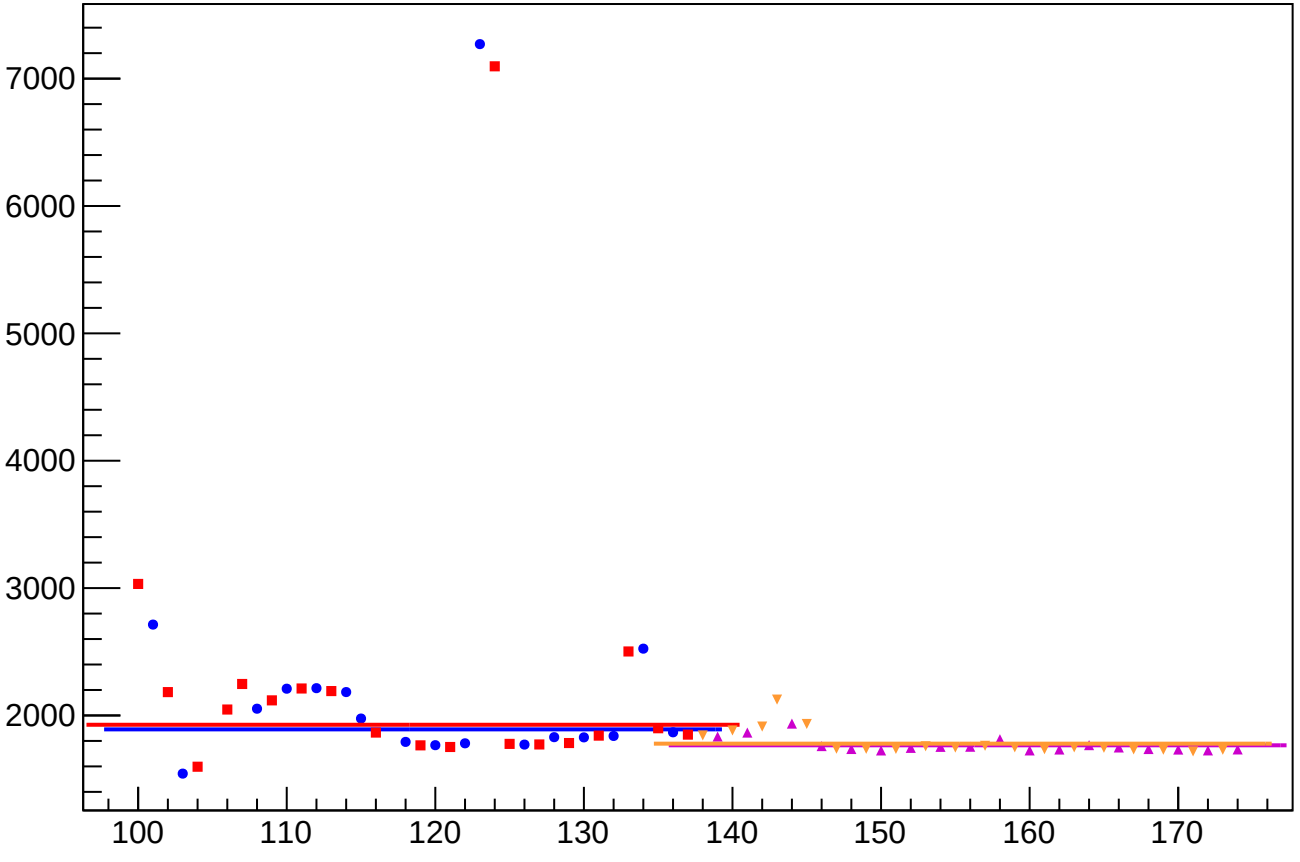
Right: 1895.439+/-524.180 χ^2/NDF: 30.7/35

In: 2723.561+/-398.548 χ^2/NDF:25.3/34

Out: 1237.205+/-398.204 χ^2/NDF:33.0/37

All: 1979.741+/-281.694 χ^2/NDF: 65.3/72

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: 1765.699+/-0.334 χ^2/NDF:26901.0/17

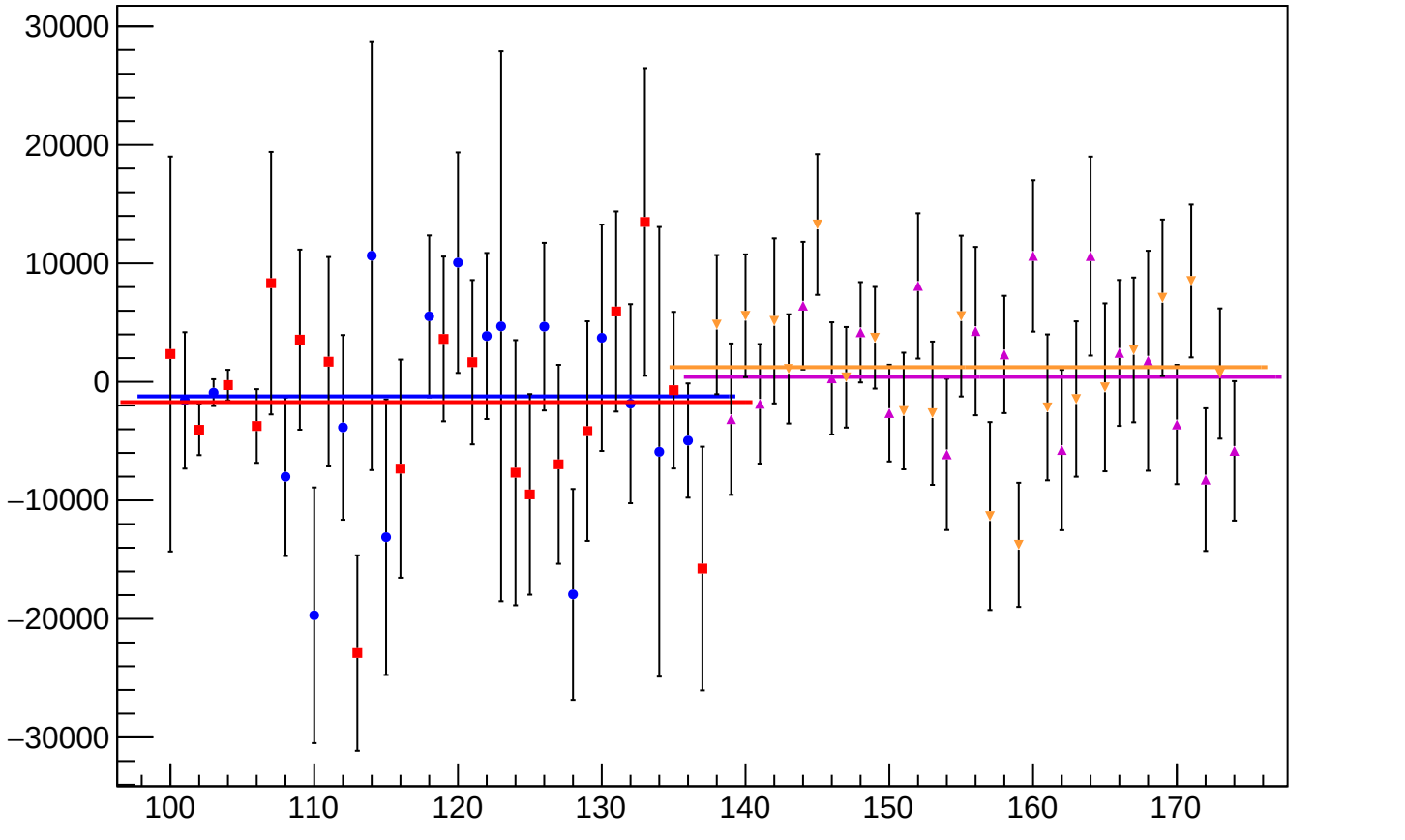
Left: 1772.136+/-0.236 χ^2/NDF: 94035.7/36

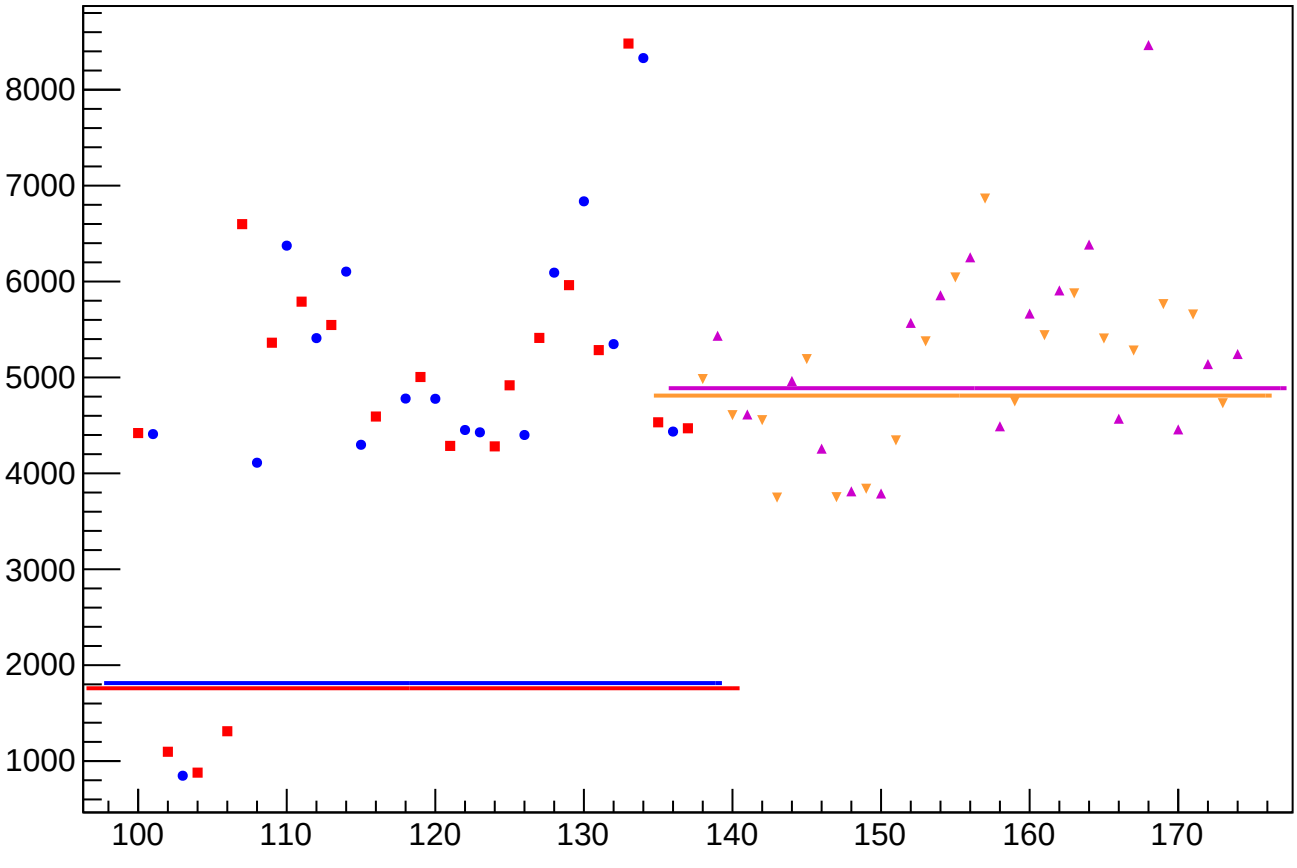
Right: 1908.946+/-0.370 χ^2/NDF: 653591.4/35

In: 1801.672+/-0.282 χ^2/NDF:356180.0/34

Out: 1821.684+/-0.281 χ^2/NDF:485925.7/37

All: 1811.691+/-0.199 χ^2/NDF: 844630.4/72


asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -1226.915+/-984.603 χ²/NDF: 13.8/16
Left Out: 1239.007+/-1300.335 χ²/NDF:20.6/18
Right Out: -1711.747+/-941.580 χ²/NDF: 17.8/18
Left In: 417.010+/-1330.394 χ²/NDF:15.0/17
Left: 837.399+/-929.921 χ²/NDF: 35.8/36
Right: -1480.155+/-680.499 χ²/NDF: 31.8/35
In: -645.146+/-791.433 χ²/NDF:29.8/34
Out: -696.765+/-762.637 χ²/NDF:41.8/37
All: -671.912+/-549.164 χ²/NDF: 71.6/72



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: 4887.917+/-0.941 χ^2/NDF:953886.0/17

Left: 4848.471+/-0.658 χ^2/NDF: 1719116.1/36

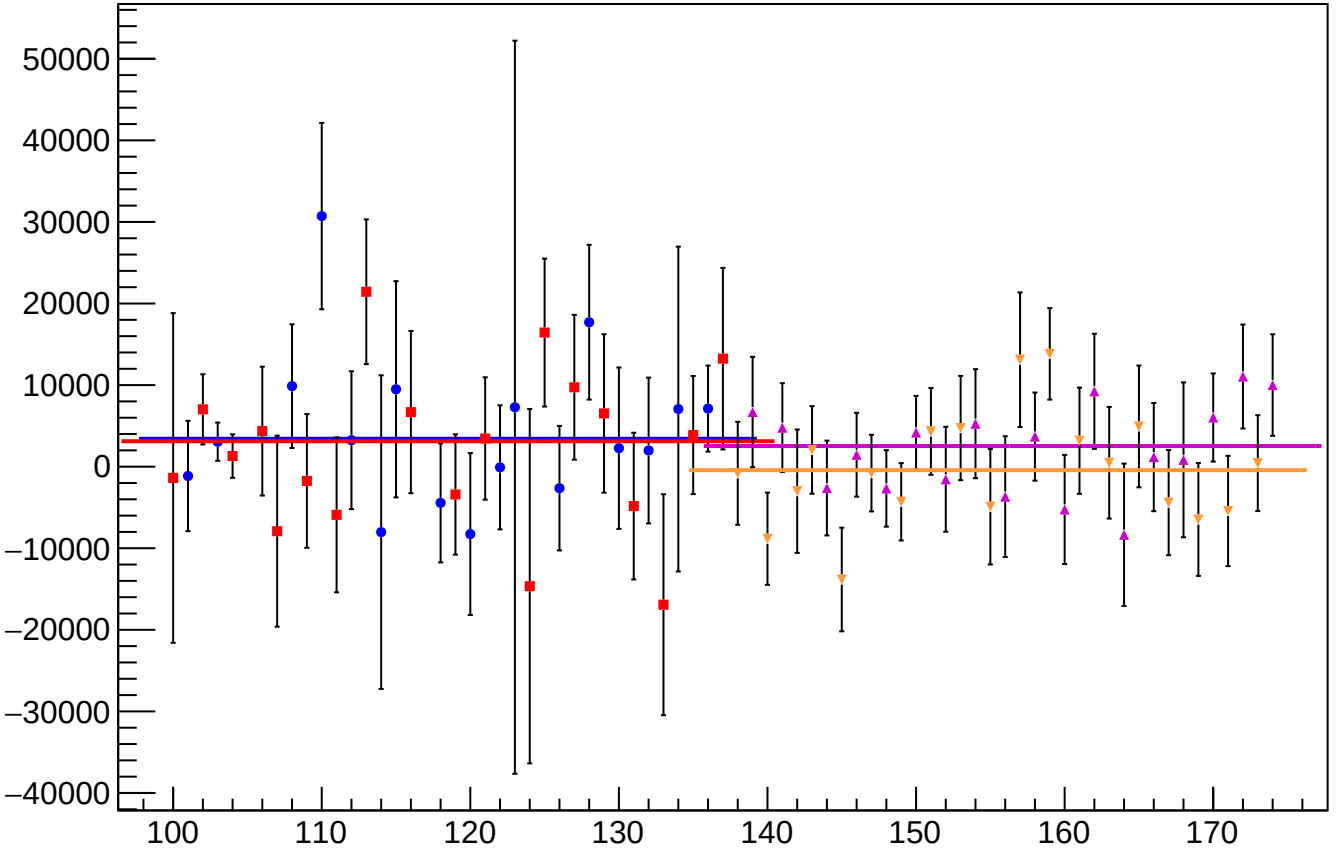
Right: 1784.958+/-0.481 χ^2/NDF: 12765256.3/35

In: 2901.308+/-0.560 χ^2/NDF:14305123.7/34

Out: 2808.824+/-0.539 χ^2/NDF:14301078.6/37

All: 2853.353+/-0.388 χ^2/NDF: 28620363.7/7

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: 2531.169+/-1426.418 χ^2/NDF:11.6/17

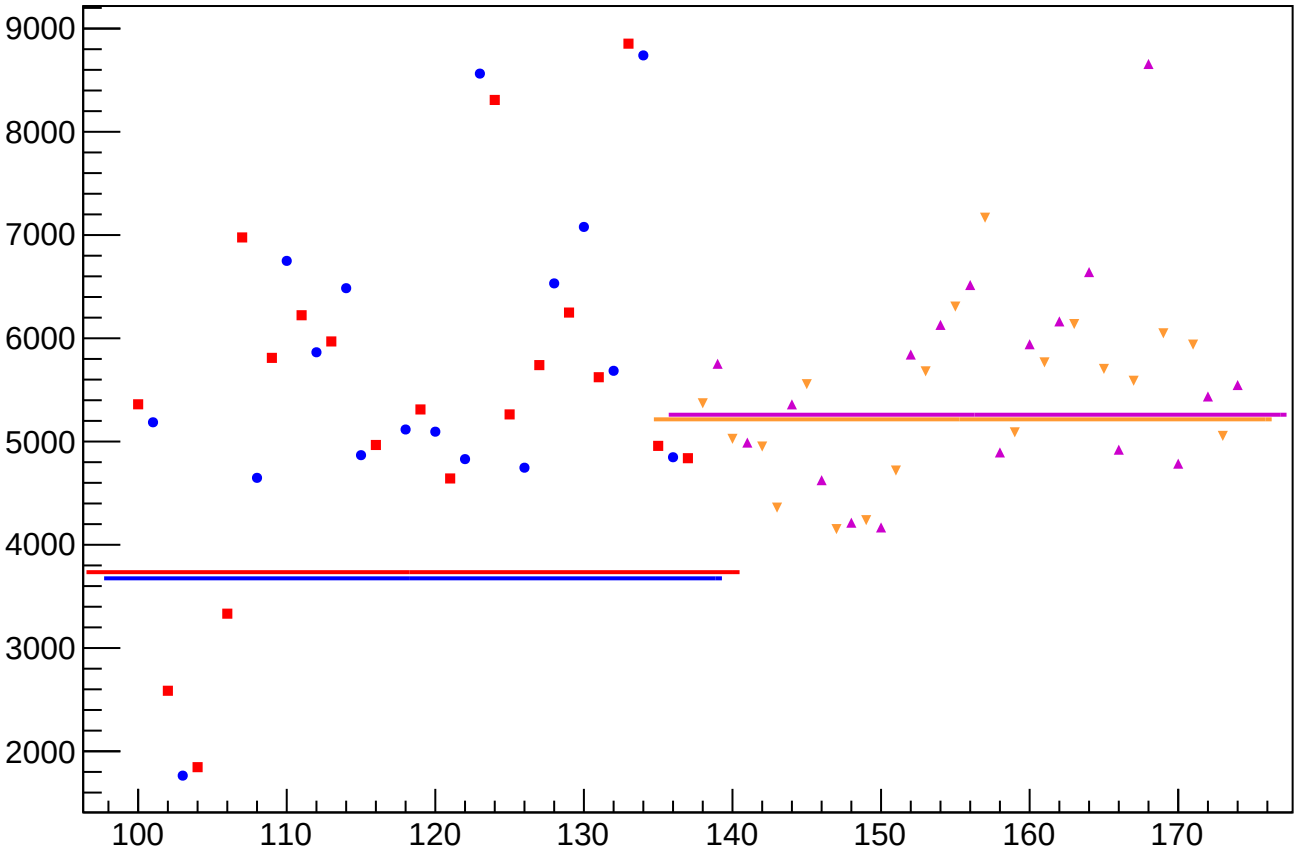
Left: 1025.654+/-1000.231 χ^2/NDF: 35.0/36

Right: 3269.490+/-1135.828 χ^2/NDF: 29.7/35

In: 2923.504+/-1066.692 χ^2/NDF:25.5/34

Out: 1105.260+/-1056.559 χ^2/NDF:40.0/37

All: 2005.704+/-750.657 χ^2/NDF: 66.9/72



Right In: 3675.003+/-1.136 χ^2/NDF: 2775085.7/16

Left Out: 5215.070+/-0.992 χ^2/NDF:557883.1/18

Right Out: 3734.796+/-1.128 χ^2/NDF: 2693929.0/18

Left In: 5259.719+/-1.009 χ^2/NDF:767954.2/17

Left: 5237.024+/-0.707 χ^2/NDF: 1326833.3/36

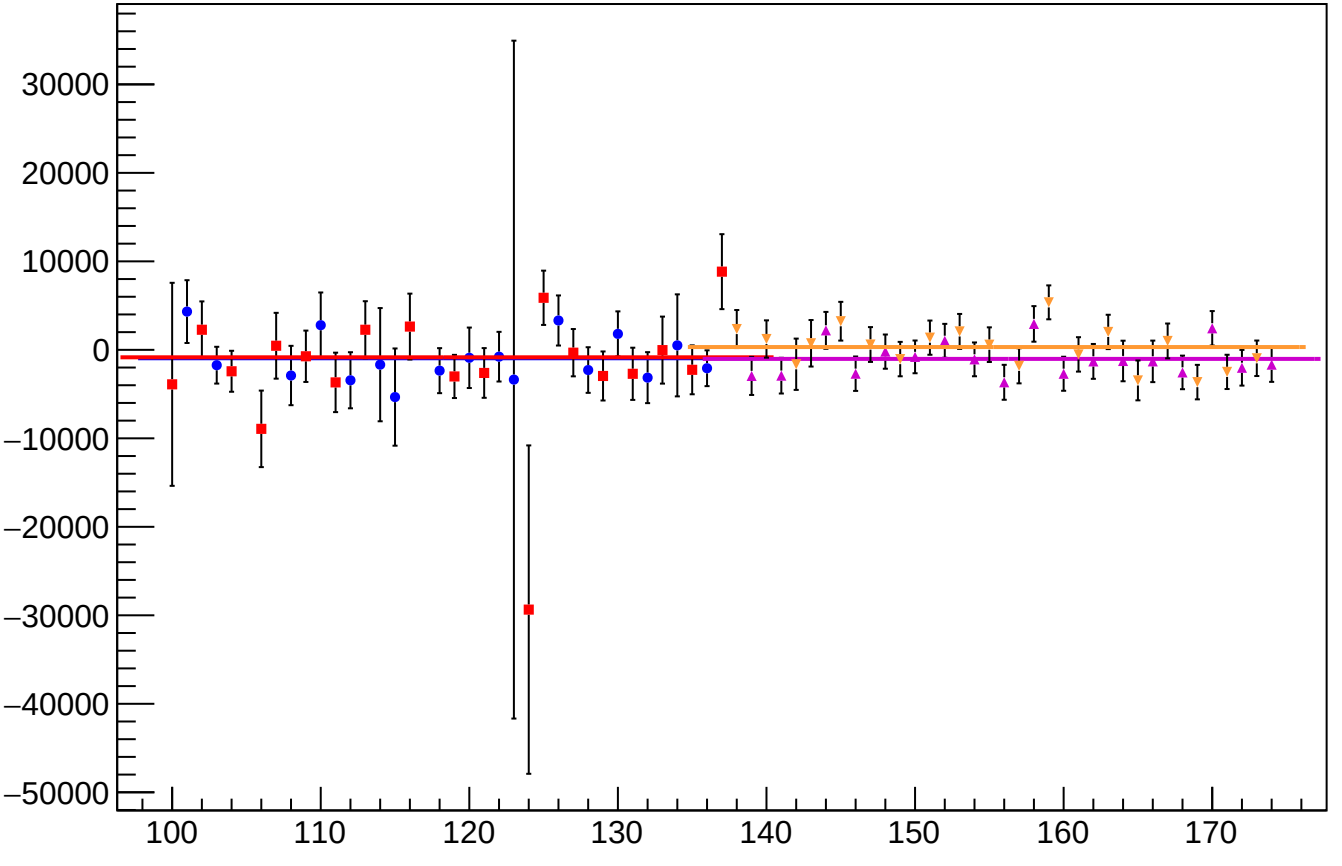
Right: 3705.112+/-0.800 χ^2/NDF: 5470409.5/35

In: 4561.210+/-0.754 χ^2/NDF:4631115.4/34

Out: 4569.492+/-0.745 χ^2/NDF:4222845.5/37

All: 4565.403+/-0.530 χ^2/NDF: 8854022.0/72

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377+/-740.668 χ^2/NDF: 10.0/16

Left Out: 316.336+/-470.675 χ^2/NDF:23.6/18

Right Out: -843.515+/-737.527 χ^2/NDF: 22.5/18

Left In: -1023.070+/-470.351 χ^2/NDF:16.8/17

Left: -353.827+/-332.703 χ^2/NDF: 44.4/36

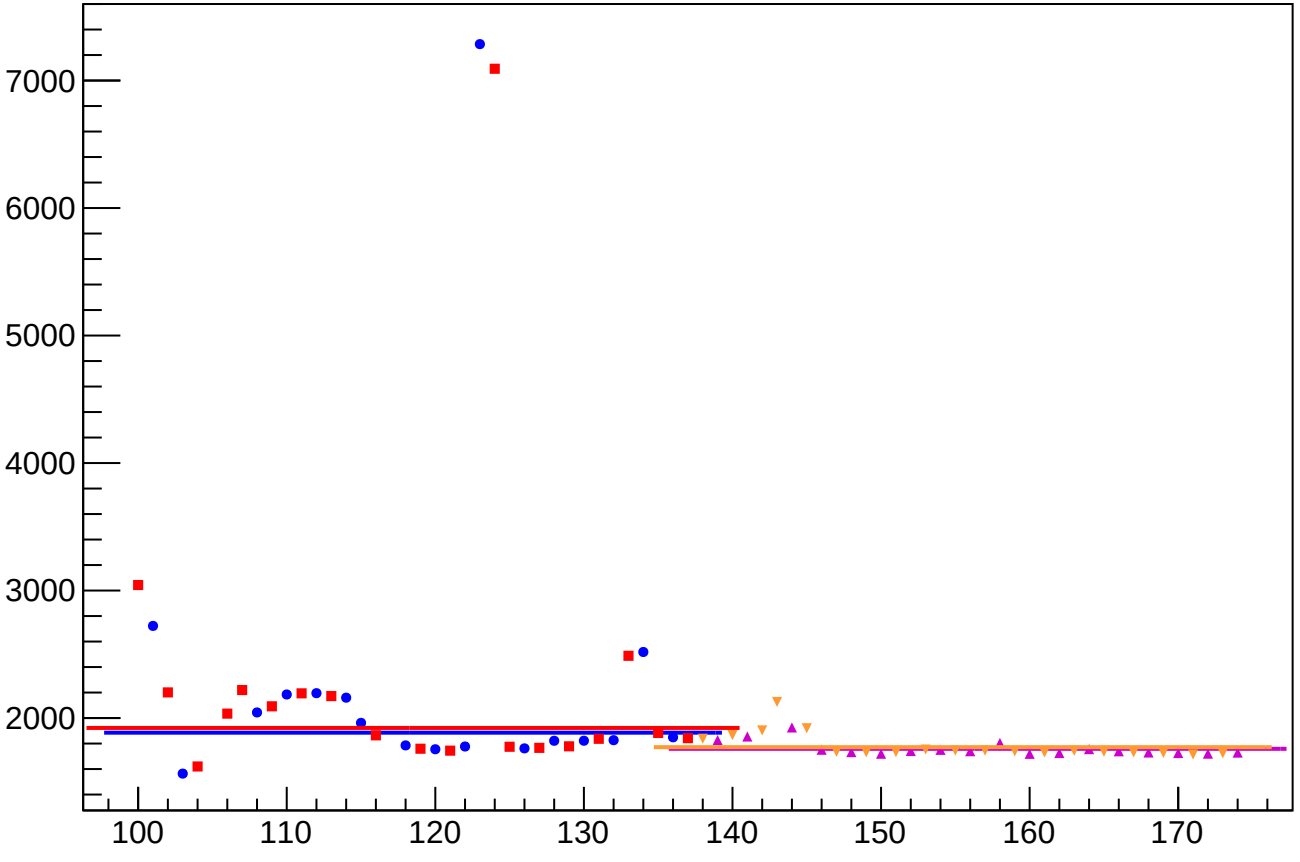
Right: -897.217+/-522.617 χ^2/NDF: 32.5/35

In: -1002.467+/-397.056 χ^2/NDF:26.8/34

Out: -19.332+/-396.763 χ^2/NDF:47.9/37

All: -510.537+/-280.657 χ^2/NDF: 77.7/72

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360+/-0.524 χ^2/NDF: 280429.0/16

Left Out: 1771.624+/-0.333 χ^2/NDF:66252.3/18

Right Out: 1922.538+/-0.521 χ^2/NDF: 351512.1/18

Left In: 1758.685+/-0.333 χ^2/NDF:25969.5/17

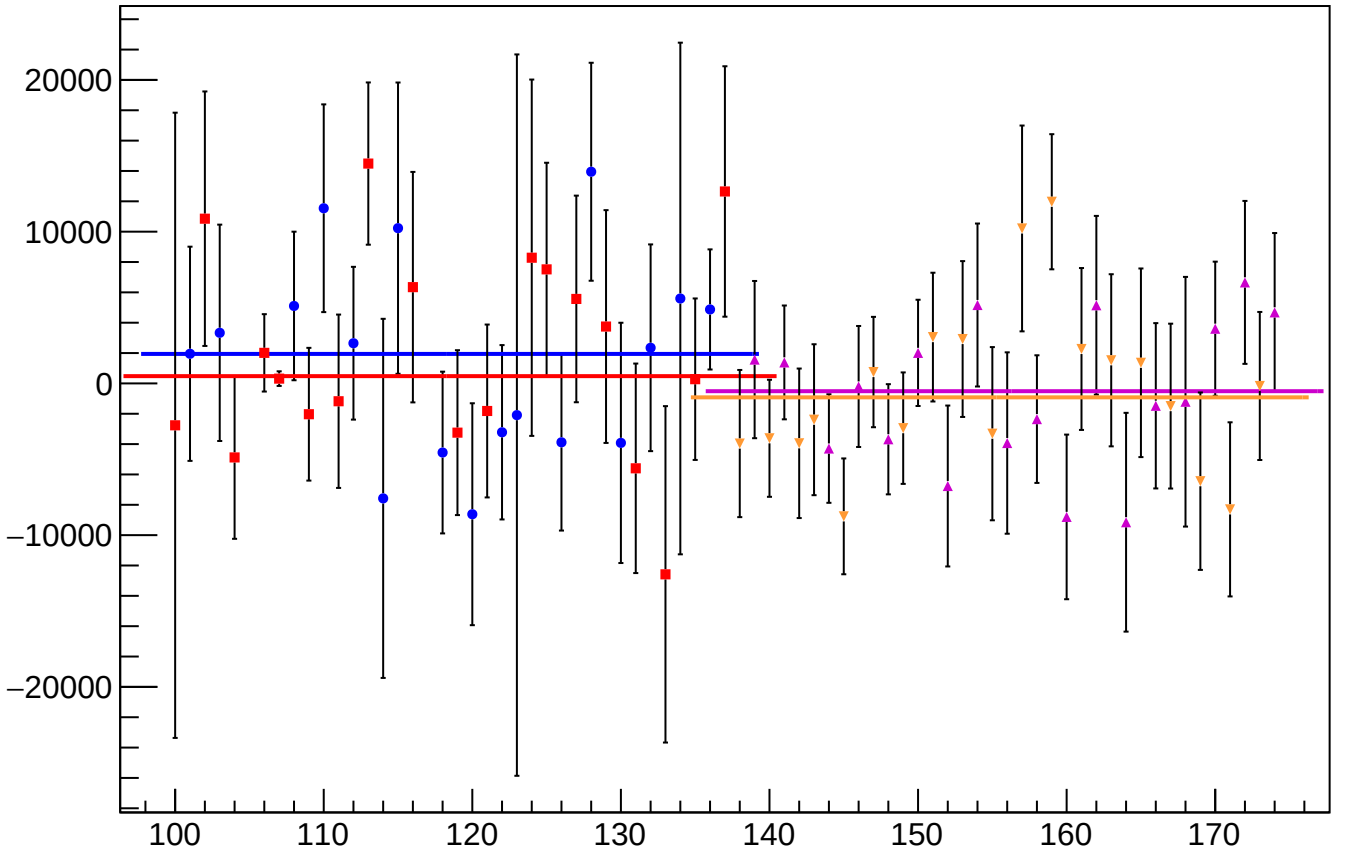
Left: 1765.150+/-0.235 χ^2/NDF: 92978.2/36

Right: 1904.057+/-0.369 χ^2/NDF: 634475.3/35

In: 1795.089+/-0.281 χ^2/NDF:348088.0/34

Out: 1815.397+/-0.280 χ^2/NDF:477401.8/37

All: 1805.255+/-0.198 χ^2/NDF: 828108.9/72



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: -513.036+/-1107.997 χ^2/NDF:14.2/17

Left: -718.287+/-778.895 χ^2/NDF: 36.3/36

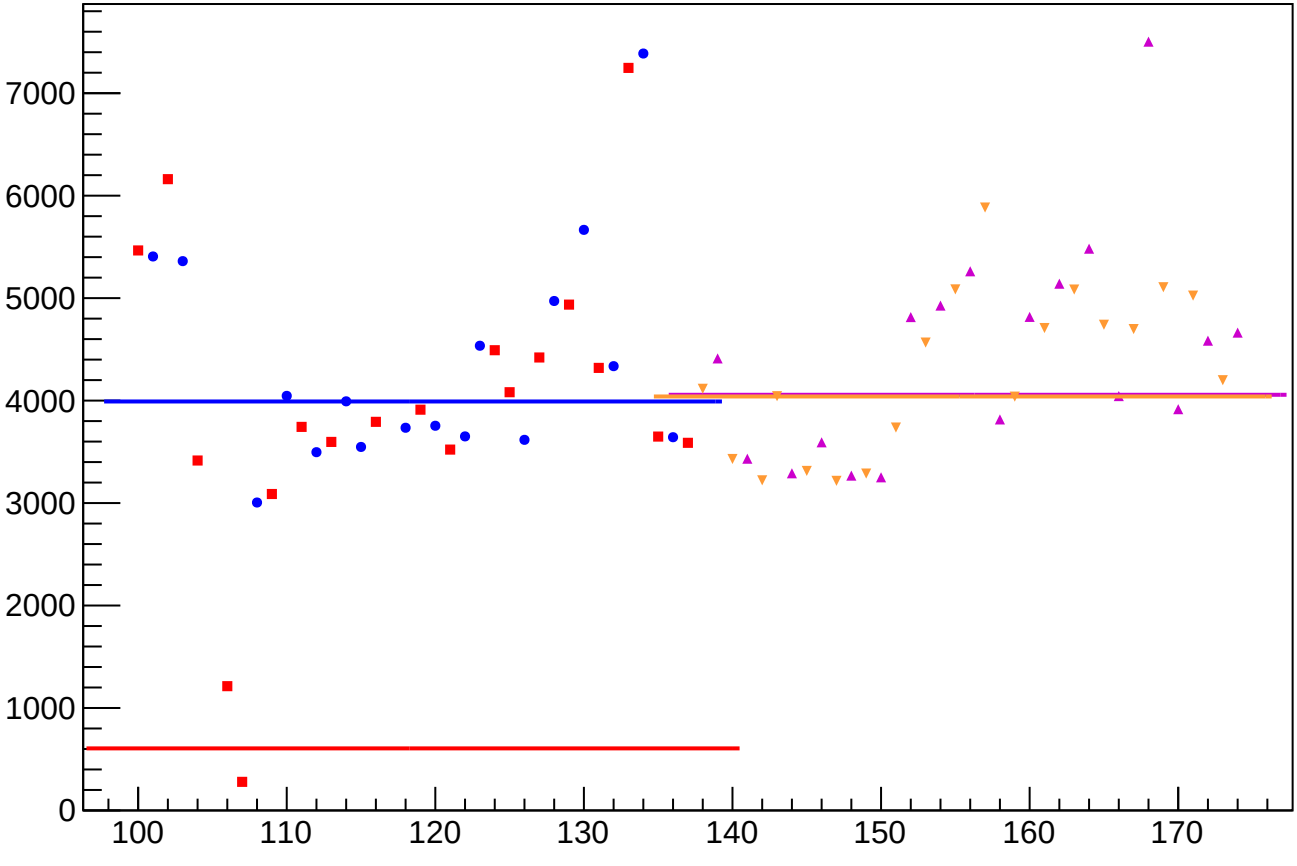
Right: 590.230+/-436.086 χ^2/NDF: 32.0/35

In: 295.941+/-907.368 χ^2/NDF:29.0/34

Out: 274.108+/-419.143 χ^2/NDF:41.5/37

All: 277.948+/-380.507 χ^2/NDF: 70.5/72

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: 4056.703+/-0.783 χ^2/NDF:1149658.2/17

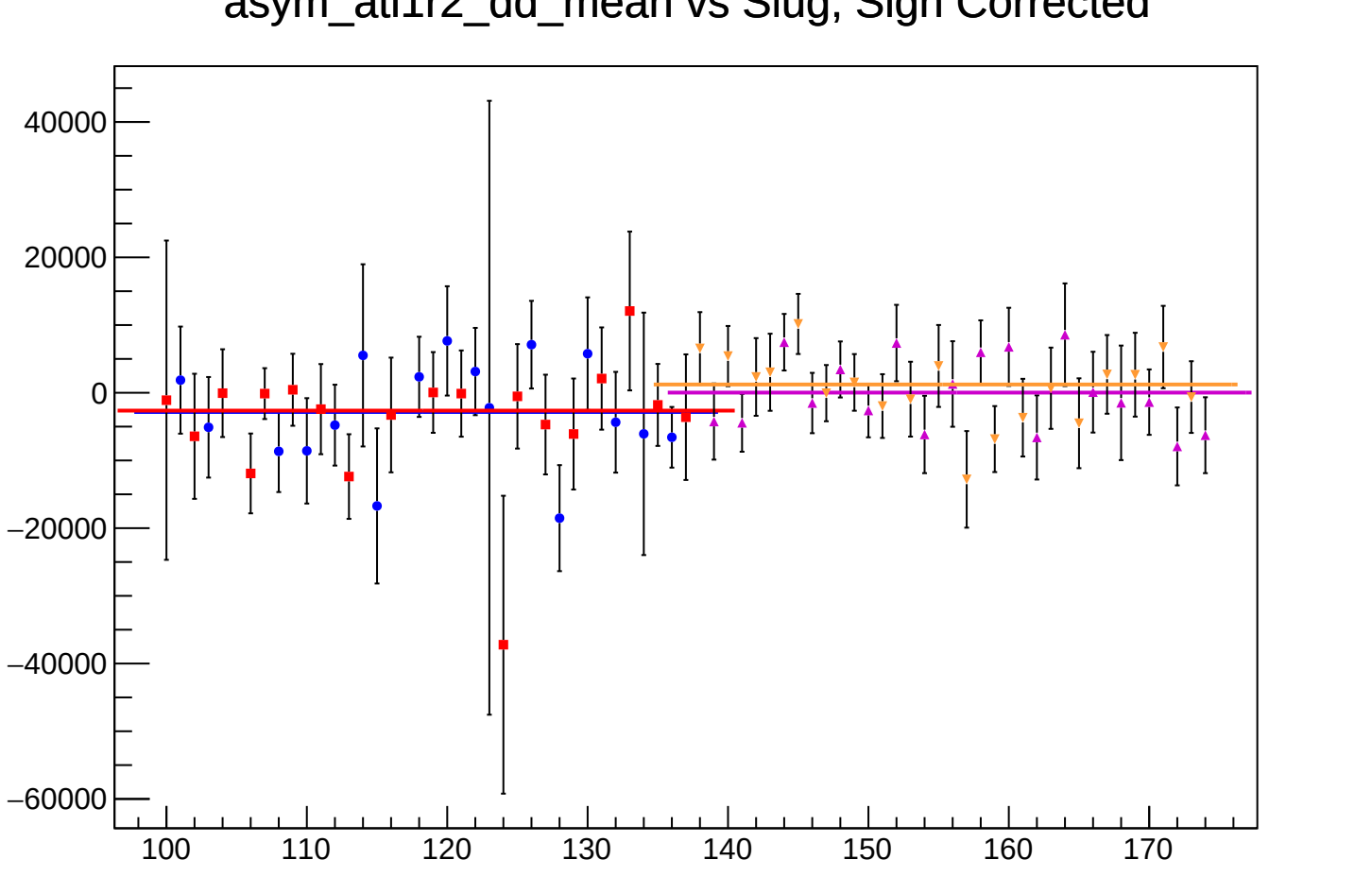
Left: 4048.364+/-0.551 χ^2/NDF: 2041924.0/36

Right: 863.300+/-0.308 χ^2/NDF: 19230863.1/35

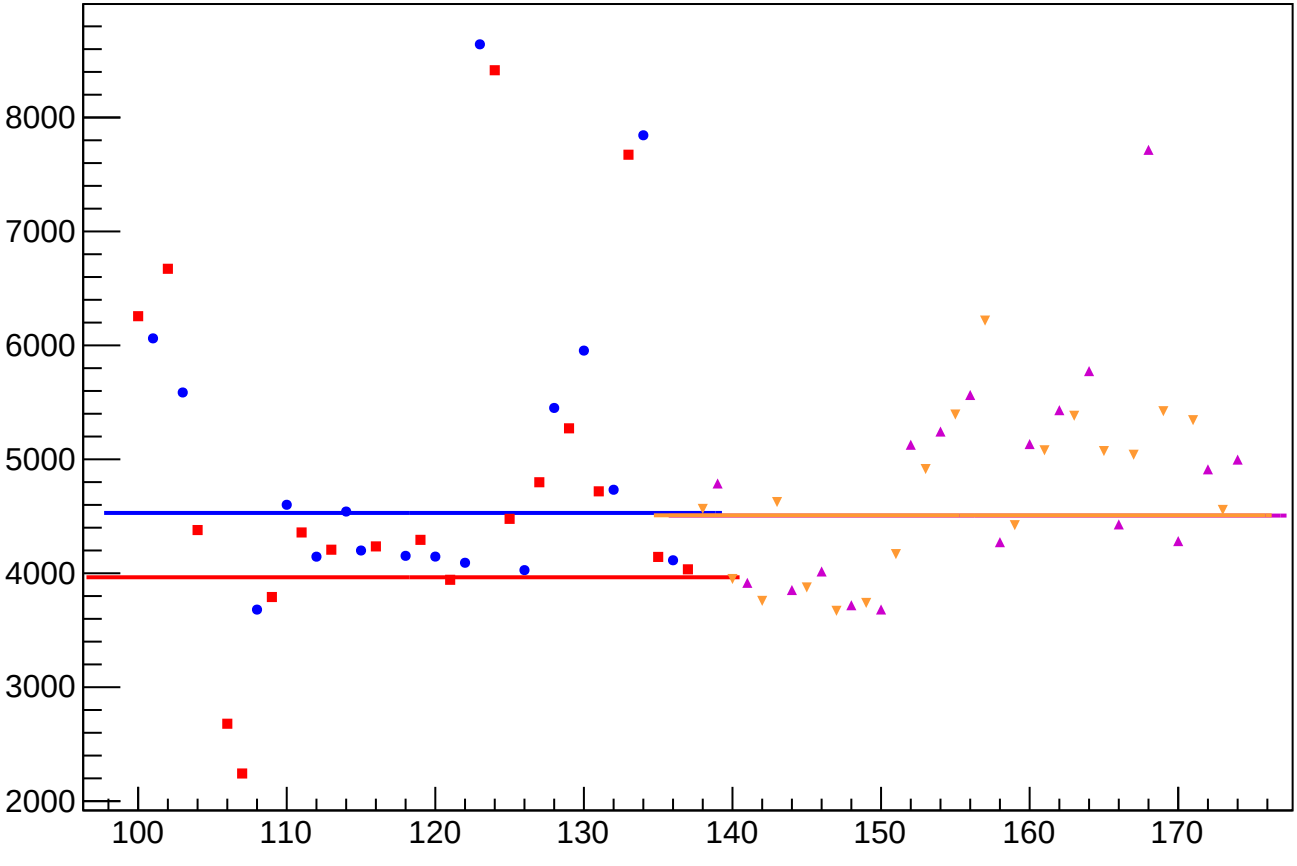
In: 4035.200+/-0.642 χ^2/NDF:1662728.0/34

Out: 1108.799+/-0.296 χ^2/NDF:27927088.8/37

All: 1623.427+/-0.269 χ^2/NDF: 46734662.4/7


asym_atl1r2_dd_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
100
110
120
130
140
150
160
170
Right In: -2839.599+/-1786.019 χ²/NDF: 15.4/16
Left Out: 1220.737+/-1214.070 χ²/NDF:16.1/18
Right Out: -2637.071+/-1575.105 χ²/NDF: 11.2/18
Left In: 23.317+/-1223.346 χ²/NDF:17.6/17
Left: 626.584+/-861.738 χ²/NDF: 34.2/36
Right: -2725.676+/-1181.334 χ²/NDF: 26.6/35
In: -890.932+/-1009.286 χ²/NDF:34.8/34
Out: -217.036+/-961.578 χ²/NDF:31.1/37
All: -537.681+/-696.193 χ²/NDF: 66.1/72

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462+/-1.263 χ^2/NDF: 389326.2/16

Left Out: 4508.651+/-0.858 χ^2/NDF:610584.0/18

Right Out: 3964.829+/-1.107 χ^2/NDF: 1140409.6/18

Left In: 4506.296+/-0.865 χ^2/NDF:835359.4/17

Left: 4507.482+/-0.609 χ^2/NDF: 1445947.1/36

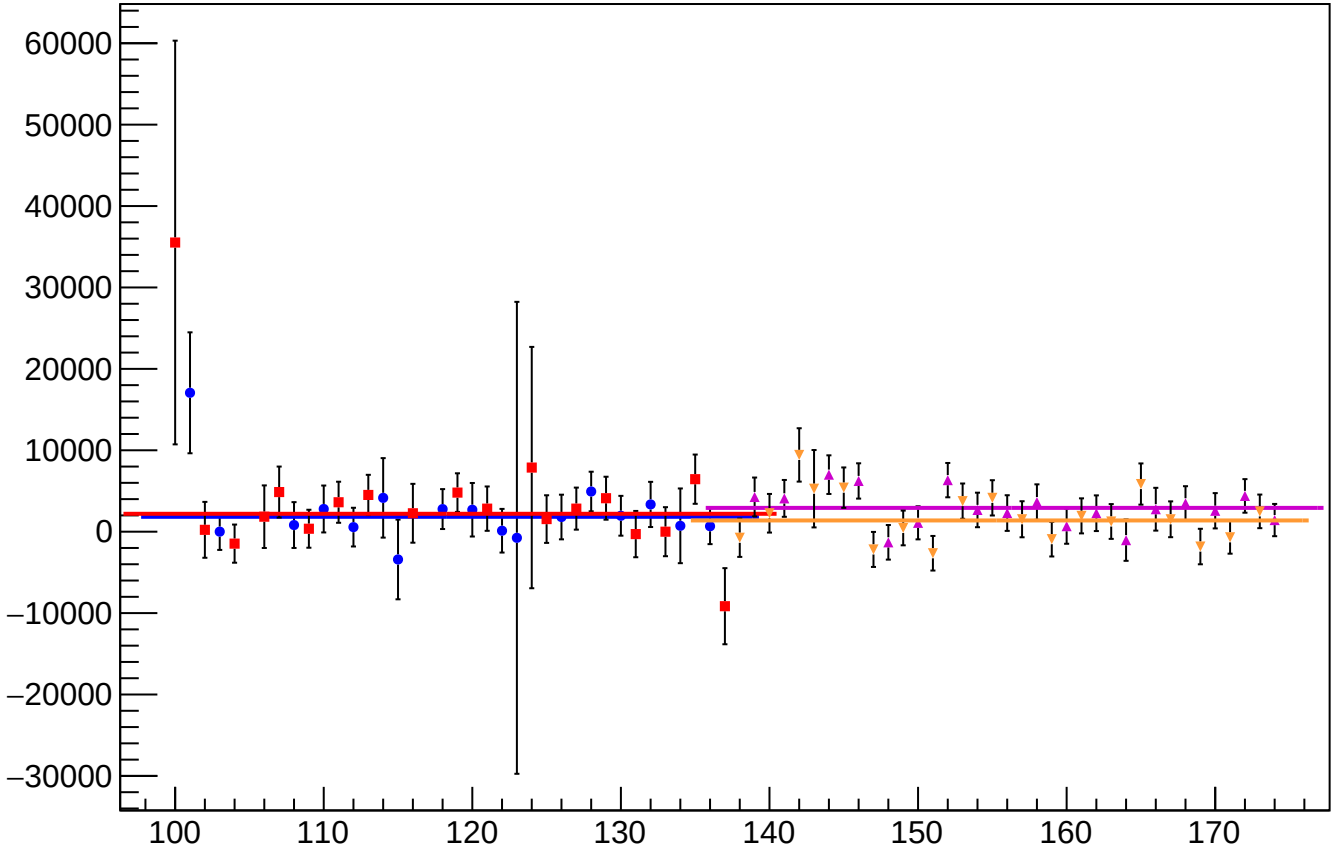
Right: 4210.073+/-0.832 χ^2/NDF: 1642804.6/35

In: 4513.694+/-0.714 χ^2/NDF:1224914.5/34

Out: 4304.340+/-0.678 χ^2/NDF:1901755.0/37

All: 4403.702+/-0.492 χ^2/NDF: 3171880.4/72

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: 2924.136+/-516.913 χ^2/NDF:18.3/17

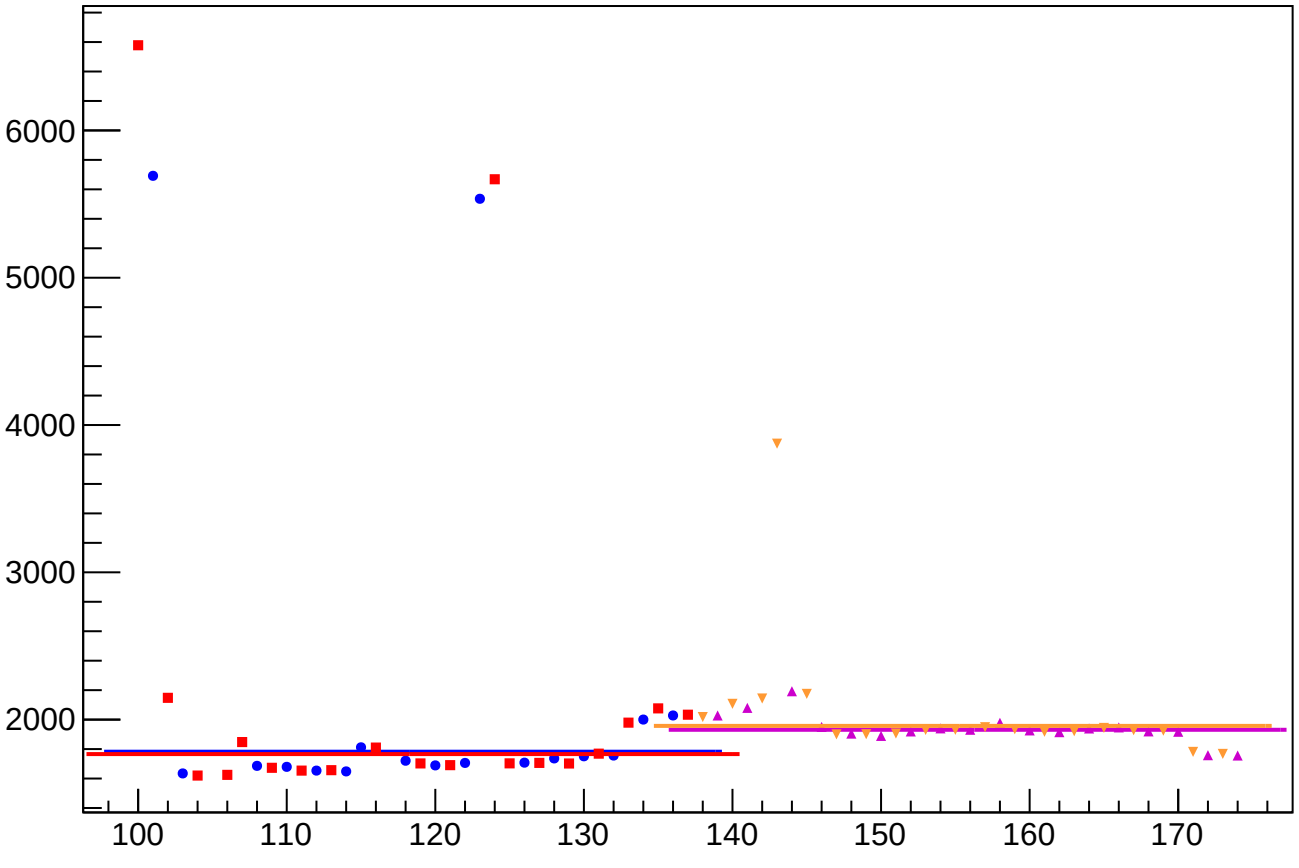
Left: 2161.494+/-367.633 χ^2/NDF: 50.2/36

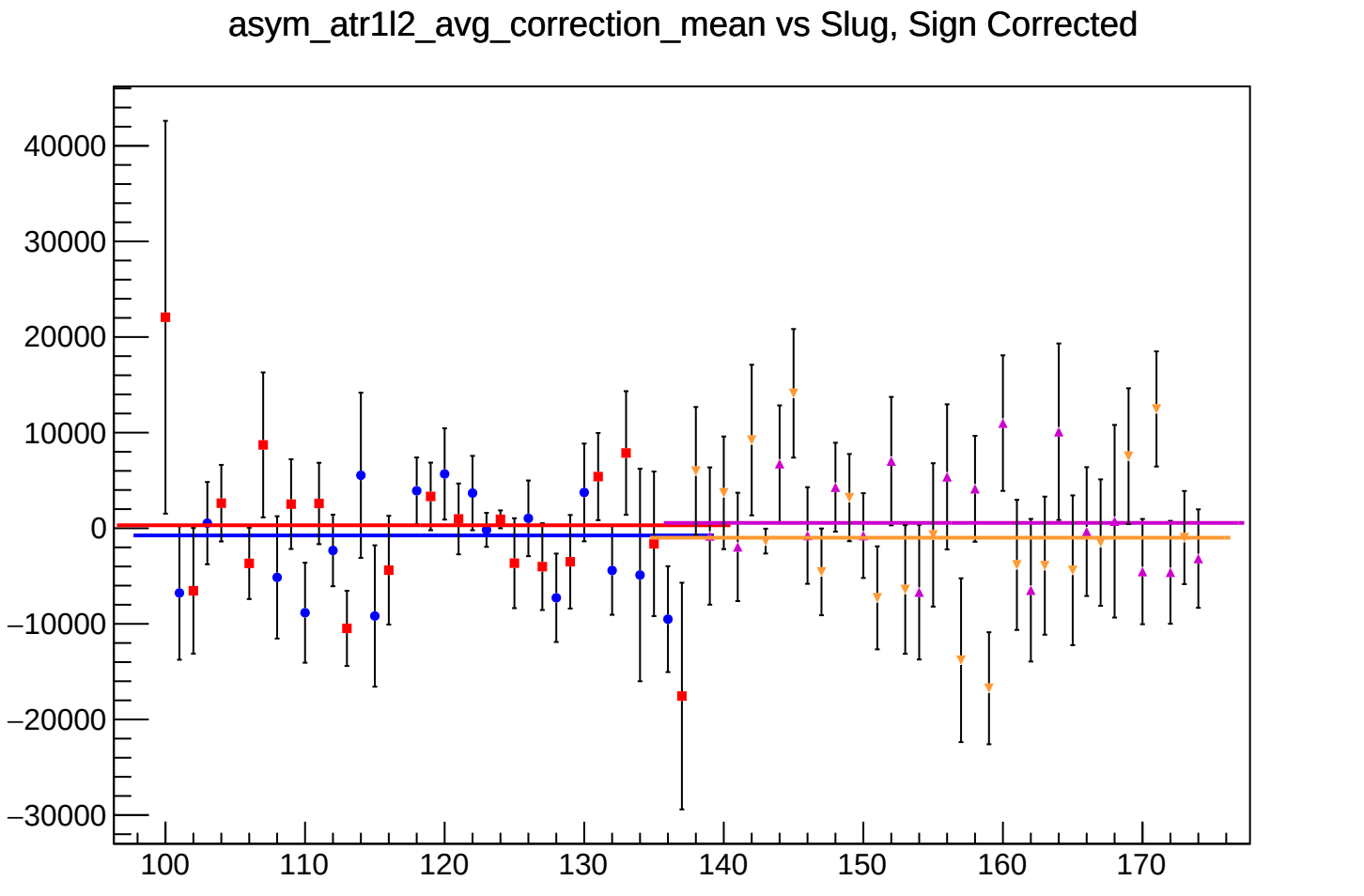
Right: 2021.233+/-493.118 χ^2/NDF: 28.2/35

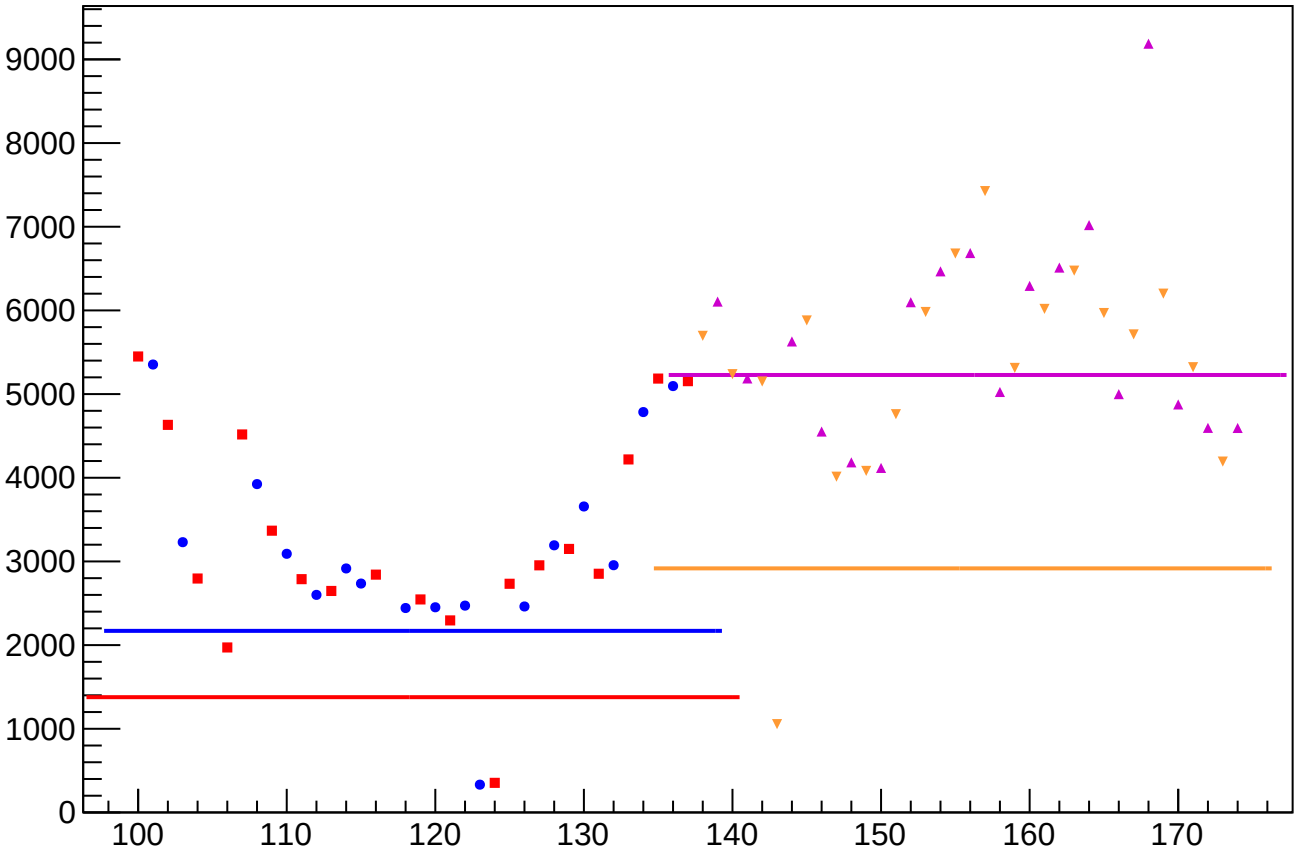
In: 2546.063+/-418.164 χ^2/NDF:29.5/34

Out: 1682.243+/-415.494 χ^2/NDF:46.8/37

All: 2111.386+/-294.738 χ^2/NDF: 78.4/72


reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 1782.137+/-0.503 χ²/NDF: 645188.8/16
Left Out: 1957.427+/-0.370 χ²/NDF:395472.4/18
Right Out: 1765.967+/-0.480 χ²/NDF: 306798.2/18
Left In: 1930.938+/-0.366 χ²/NDF:68523.2/17
Left: 1944.029+/-0.260 χ²/NDF: 466590.9/36
Right: 1773.682+/-0.347 χ²/NDF: 952527.4/35
In: 1879.516+/-0.296 χ²/NDF:770985.8/34
Out: 1886.208+/-0.293 χ²/NDF:801984.8/37
All: 1882.892+/-0.208 χ²/NDF: 1573229.0/72


asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
110
120
130
140
150
160
170
Right In: -753.428+/-1008.523 χ²/NDF: 16.9/16
Left Out: -990.478+/-968.870 χ²/NDF:28.4/18
Right Out: 311.405+/-725.132 χ²/NDF: 22.0/18
Left In: 558.136+/-1424.741 χ²/NDF:11.3/17
Left: -500.786+/-801.172 χ²/NDF: 40.5/36
Right: -51.479+/-588.747 χ²/NDF: 39.7/35
In: -315.616+/-823.162 χ²/NDF:28.8/34
Out: -156.017+/-580.542 χ²/NDF:51.6/37
All: -209.031+/-474.424 χ²/NDF: 80.4/72



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: 5228.345+/-1.007 χ^2/NDF:1029258.7/17

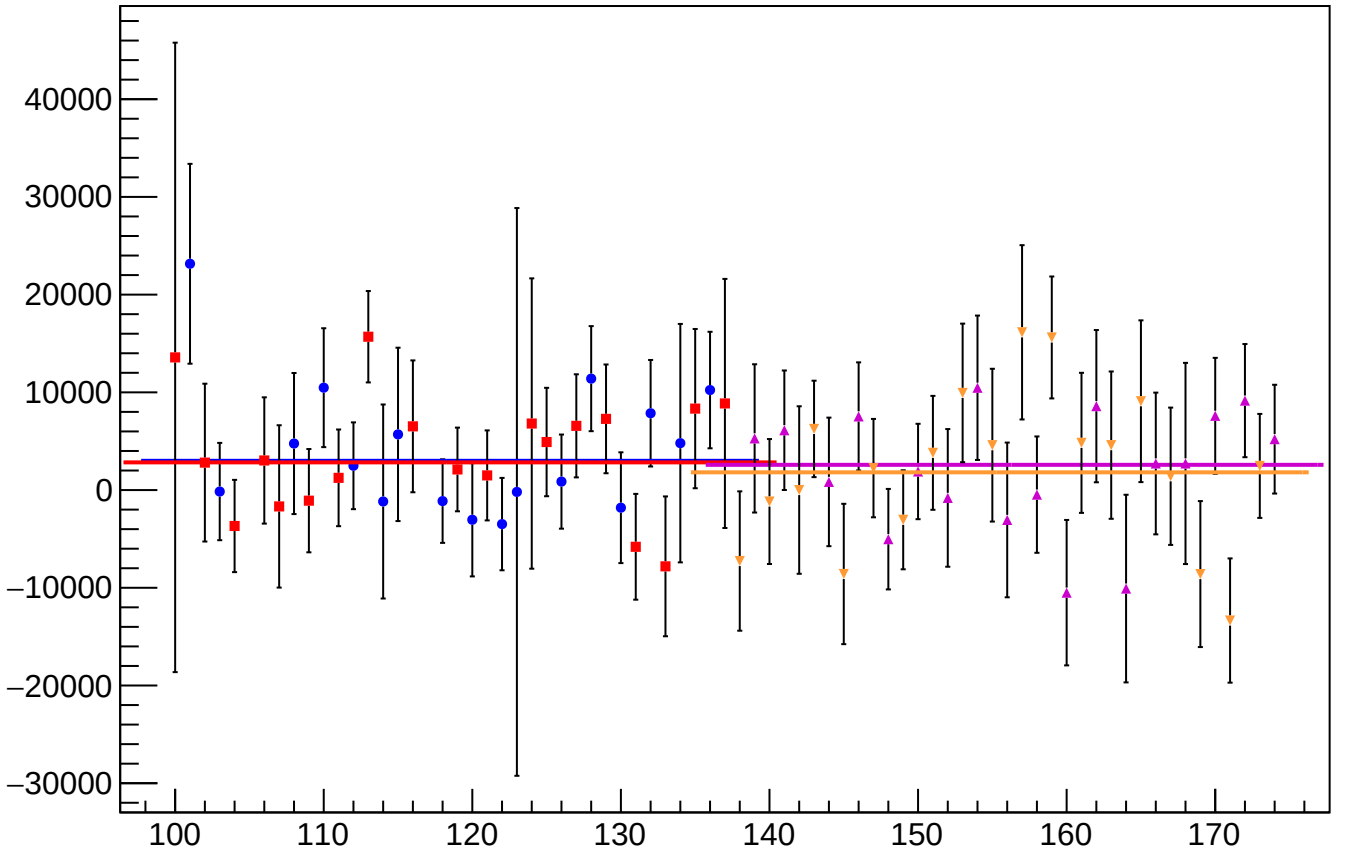
Left: 3647.864+/-0.567 χ^2/NDF: 14674218.3/36

Right: 1647.801+/-0.416 χ^2/NDF: 11635181.2/35

In: 3191.065+/-0.582 χ^2/NDF:11141468.6/34

Out: 1930.367+/-0.411 χ^2/NDF:20128607.8/37

All: 2349.135+/-0.335 χ^2/NDF: 34402982.3/7



Right In: 2992.806+/-1447.211 χ^2/NDF: 15.7/16

Left Out: 1815.007+/-1489.950 χ^2/NDF:23.5/18

Right Out: 2833.408+/-1379.110 χ^2/NDF: 17.7/18

Left In: 2582.162+/-1530.843 χ^2/NDF:13.3/17

Left: 2188.201+/-1067.718 χ^2/NDF: 37.0/36

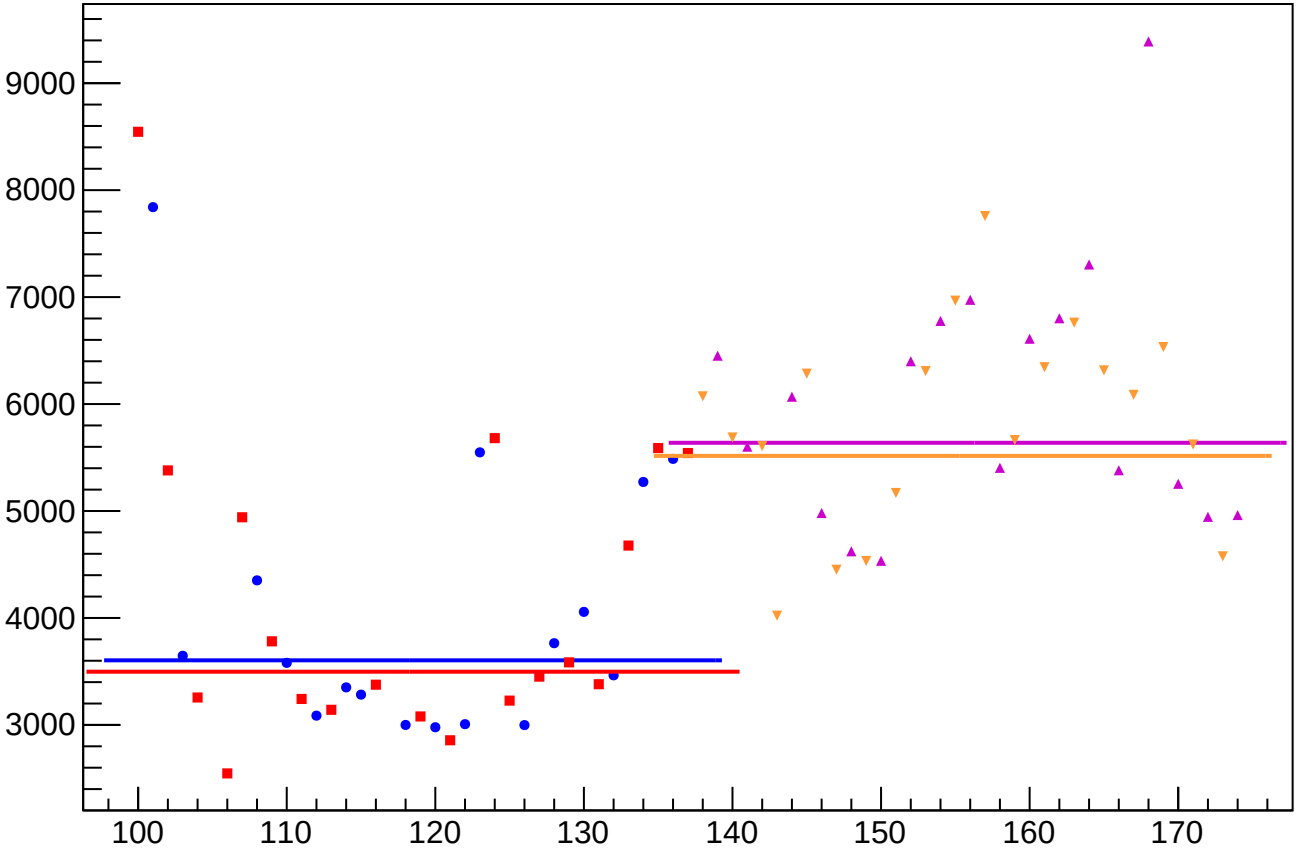
Right: 2909.269+/-998.385 χ^2/NDF: 33.4/35

In: 2799.007+/-1051.656 χ^2/NDF:29.1/34

Out: 2363.493+/-1012.097 χ^2/NDF:41.5/37

All: 2572.905+/-729.245 χ^2/NDF: 70.6/72

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: 5637.810+/-1.082 χ^2/NDF:844788.1/17

Left: 5574.917+/-0.755 χ^2/NDF: 1678043.5/36

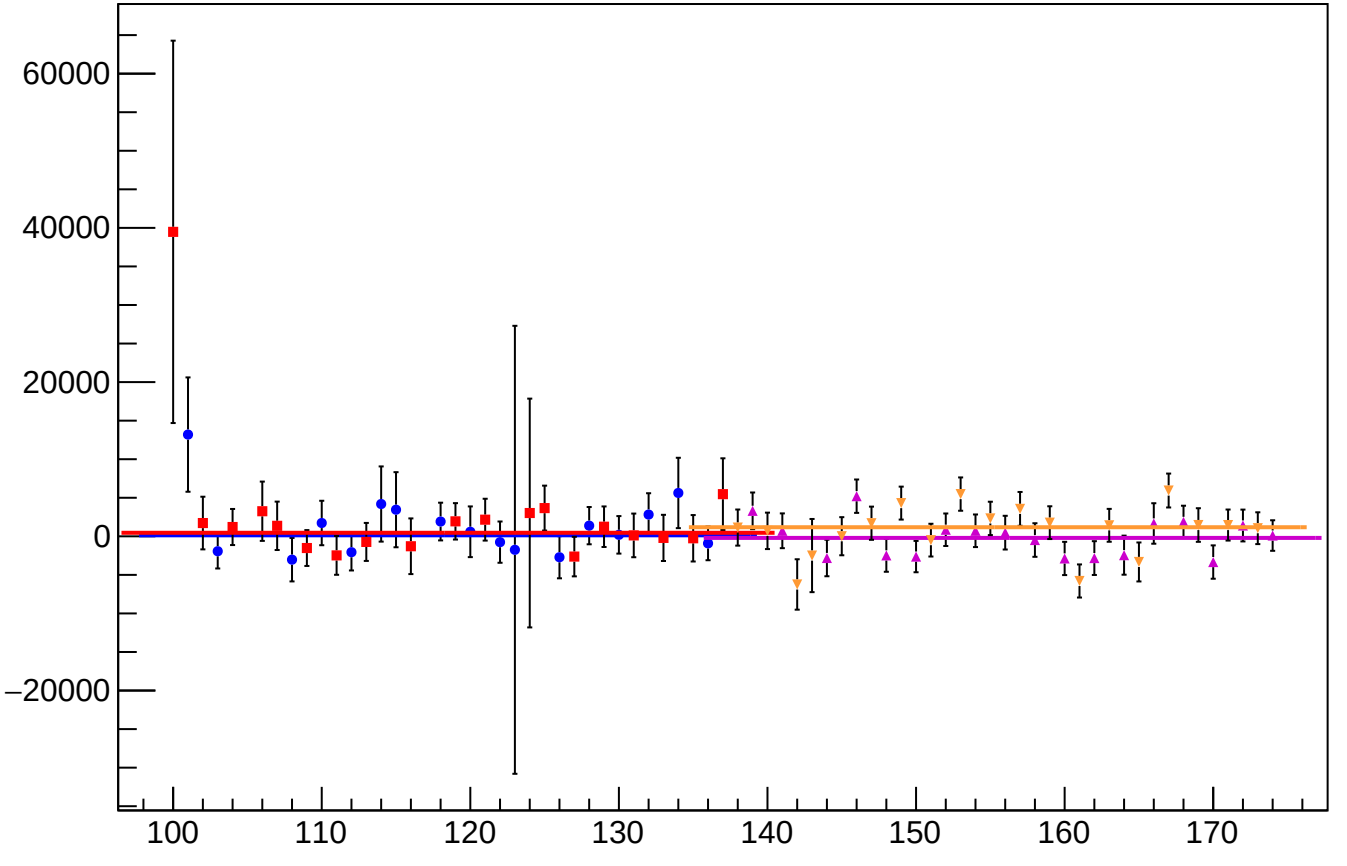
Right: 3547.455+/-0.701 χ^2/NDF: 1452308.2/35

In: 4563.792+/-0.744 χ^2/NDF:3493721.1/34

Out: 4414.608+/-0.710 χ^2/NDF:3489528.4/37

All: 4485.776+/-0.514 χ^2/NDF: 7004296.4/72

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913+/-709.207 χ^2/NDF: 12.2/16

Left Out: 1178.943+/-521.940 χ^2/NDF:32.8/18

Right Out: 459.034+/-681.841 χ^2/NDF: 10.7/18

Left In: -205.689+/-516.120 χ^2/NDF:20.9/17

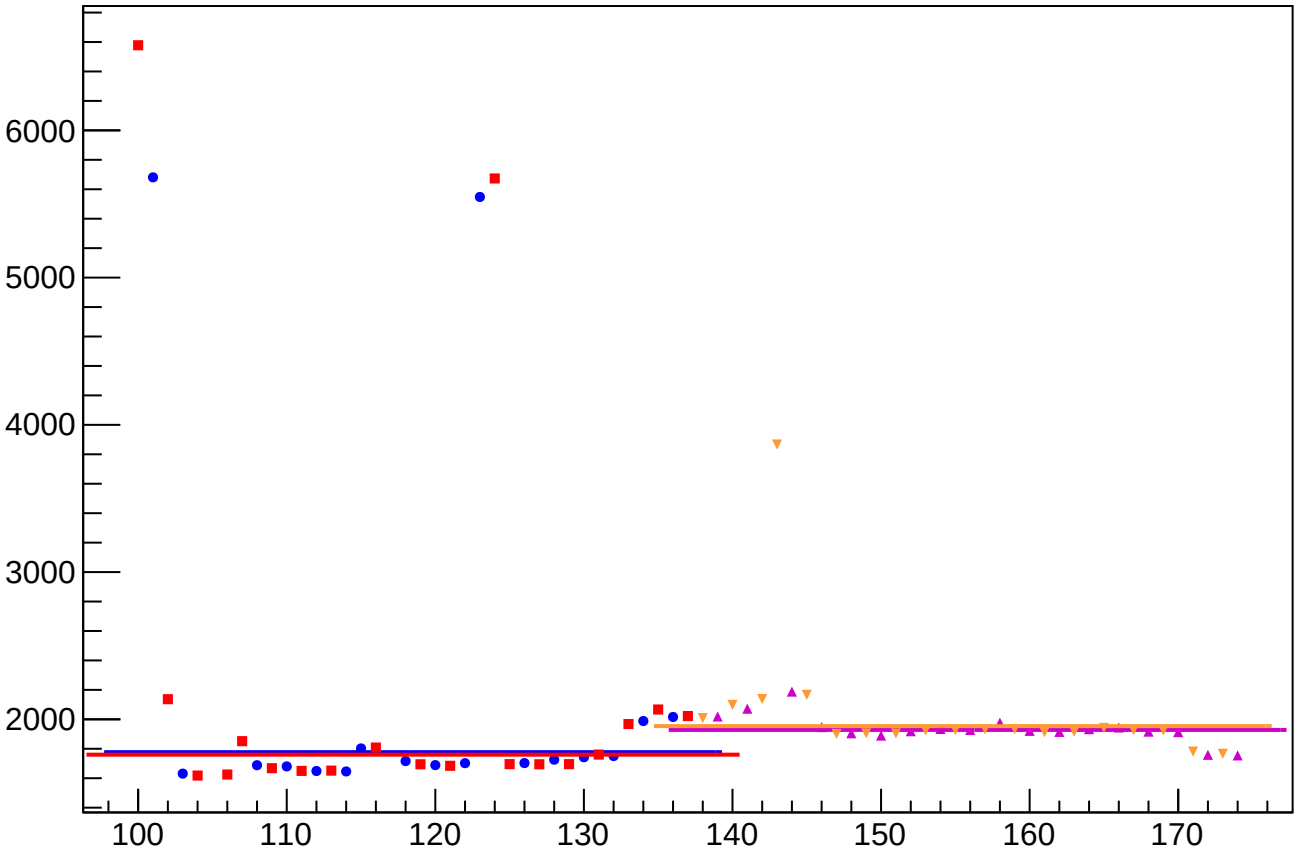
Left: 478.864+/-366.992 χ^2/NDF: 57.2/36

Right: 301.426+/-491.524 χ^2/NDF: 23.0/35

In: -89.144+/-417.312 χ^2/NDF:33.2/34

Out: 912.958+/-414.451 χ^2/NDF:44.2/37

All: 415.353+/-294.067 χ^2/NDF: 80.3/72



Right In: 1776.879+/-0.501 χ^2/NDF: 643576.8/16

Left Out: 1953.760+/-0.369 χ^2/NDF:392581.1/18

Right Out: 1759.990+/-0.479 χ^2/NDF: 306154.6/18

Left In: 1928.057+/-0.365 χ^2/NDF:66485.9/17

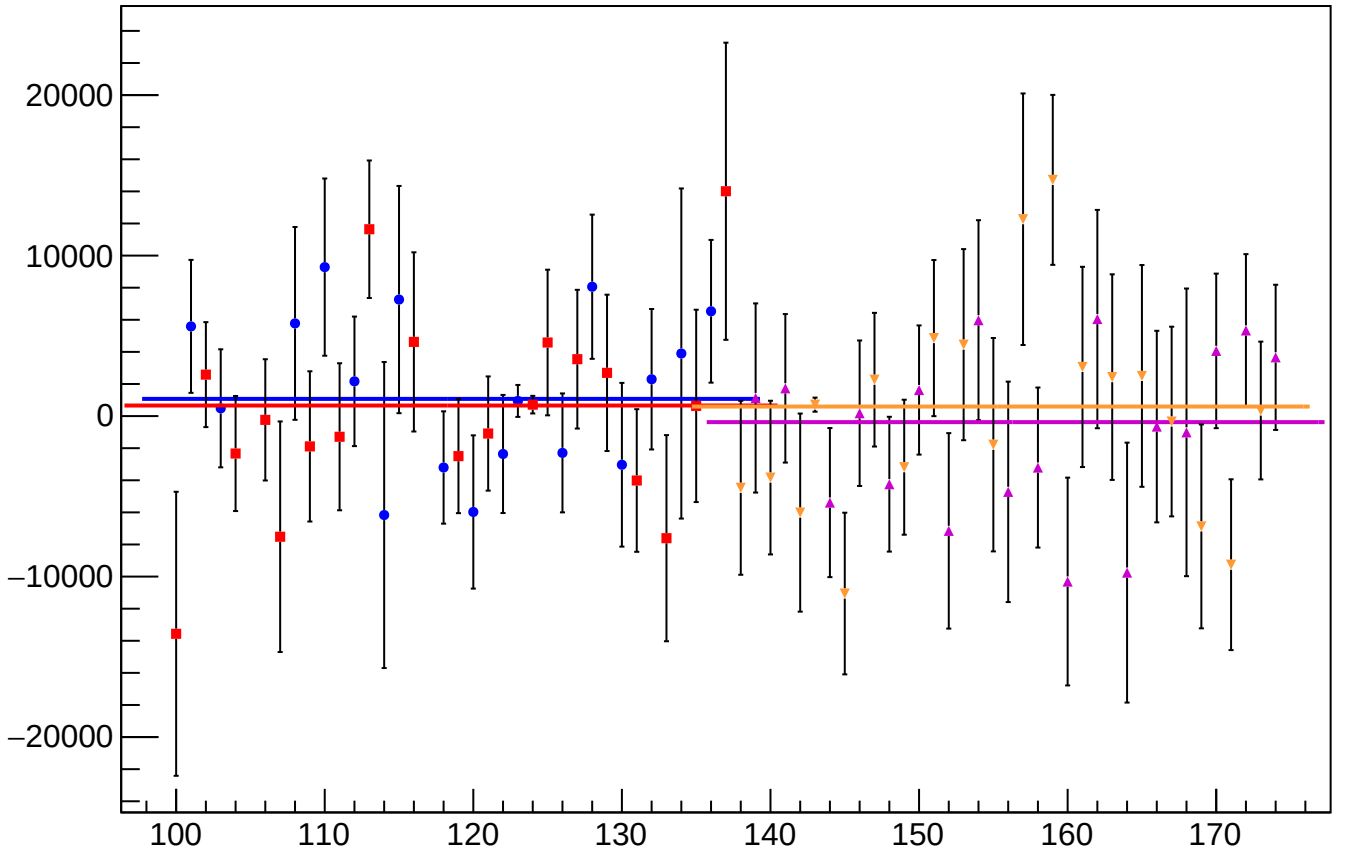
Left: 1940.764+/-0.260 χ^2/NDF: 461519.4/36

Right: 1768.045+/-0.346 χ^2/NDF: 950324.7/35

In: 1875.713+/-0.295 χ^2/NDF:769475.3/34

Out: 1881.551+/-0.292 χ^2/NDF:801459.4/37

All: 1878.659+/-0.208 χ^2/NDF: 1571132.2/72



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: -376.309+/-1249.382 χ^2/NDF:13.2/17

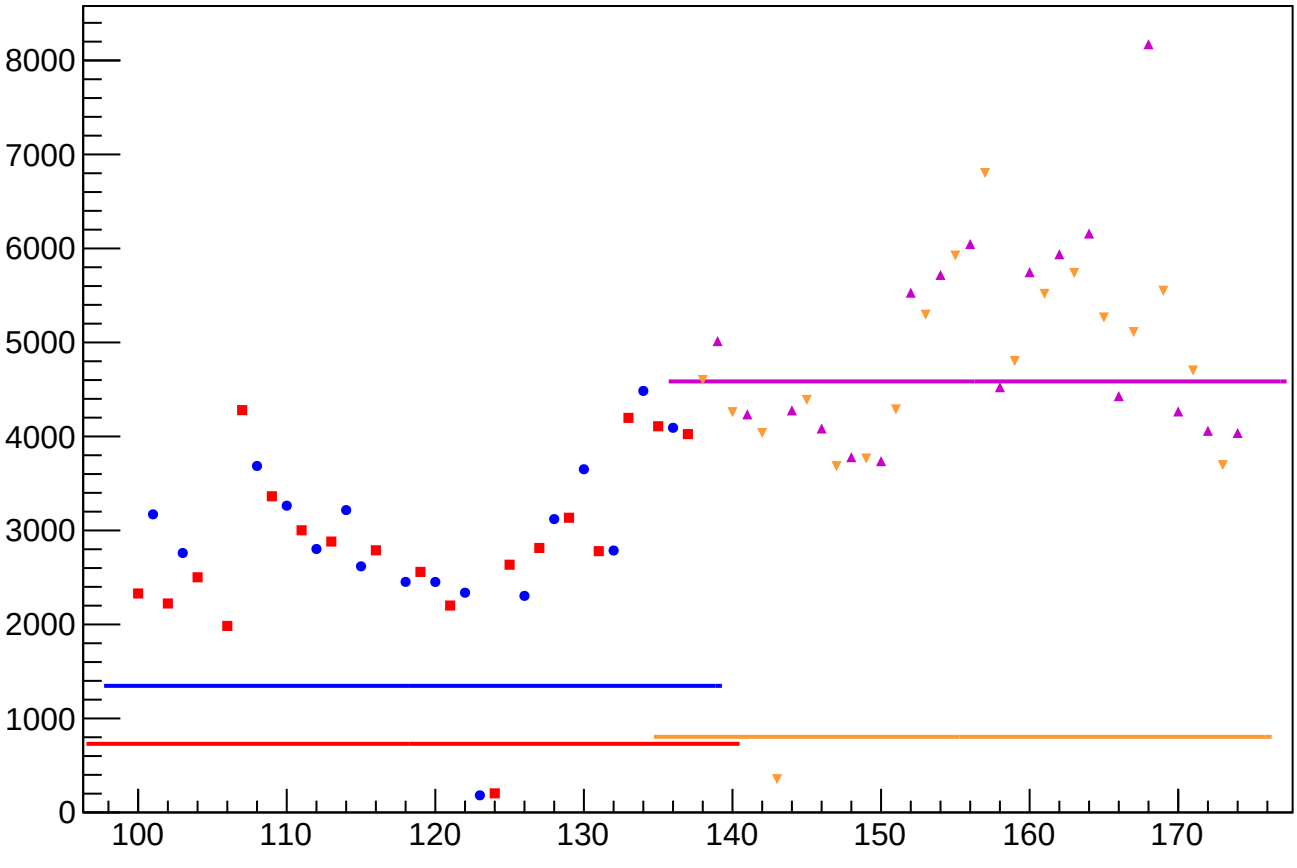
Left: 497.901+/-393.799 χ^2/NDF: 38.8/36

Right: 781.219+/-409.424 χ^2/NDF: 35.6/35

In: 686.773+/-644.471 χ^2/NDF:29.8/34

Out: 621.365+/-316.128 χ^2/NDF:44.9/37

All: 634.051+/-283.821 χ^2/NDF: 74.6/72



Right In: 1346.836+/-0.532 χ^2/NDF: 6839112.6/16

Left Out: 804.609+/-0.293 χ^2/NDF:20616357.2/18

Right Out: 730.119+/-0.345 χ^2/NDF: 9503127.2/18

Left In: 4585.335+/-0.883 χ^2/NDF:1026222.8/17

Left: 1180.217+/-0.278 χ^2/NDF: 38137361.2/36

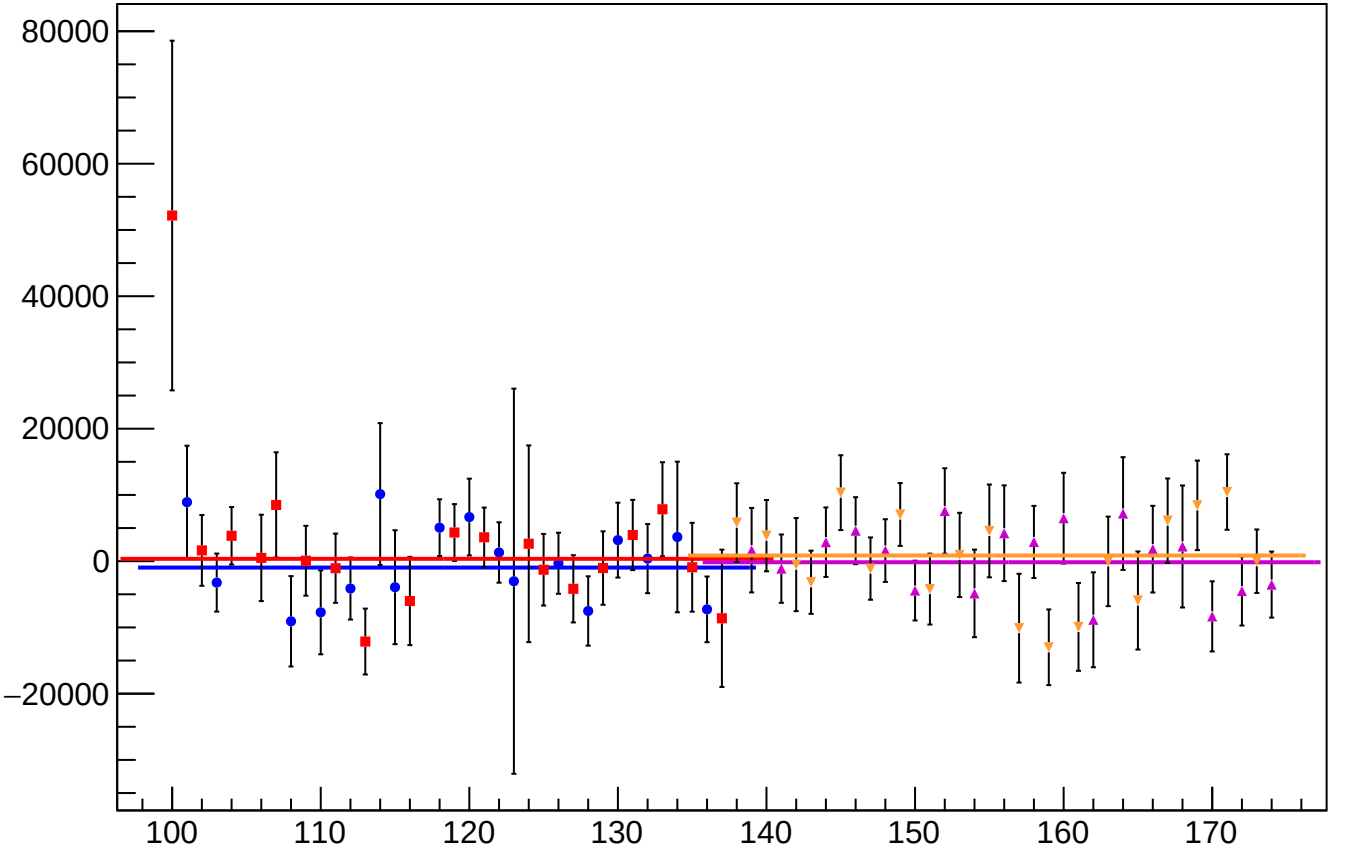
Right: 912.792+/-0.290 χ^2/NDF: 17288237.9/35

In: 2208.542+/-0.456 χ^2/NDF:17727544.7/34

Out: 773.354+/-0.224 χ^2/NDF:30146527.5/37

All: 1051.705+/-0.201 χ^2/NDF: 55868824.9/7

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: -160.595+/-1368.816 χ^2/NDF:11.9/17

Left: 358.878+/-957.380 χ^2/NDF: 35.7/36

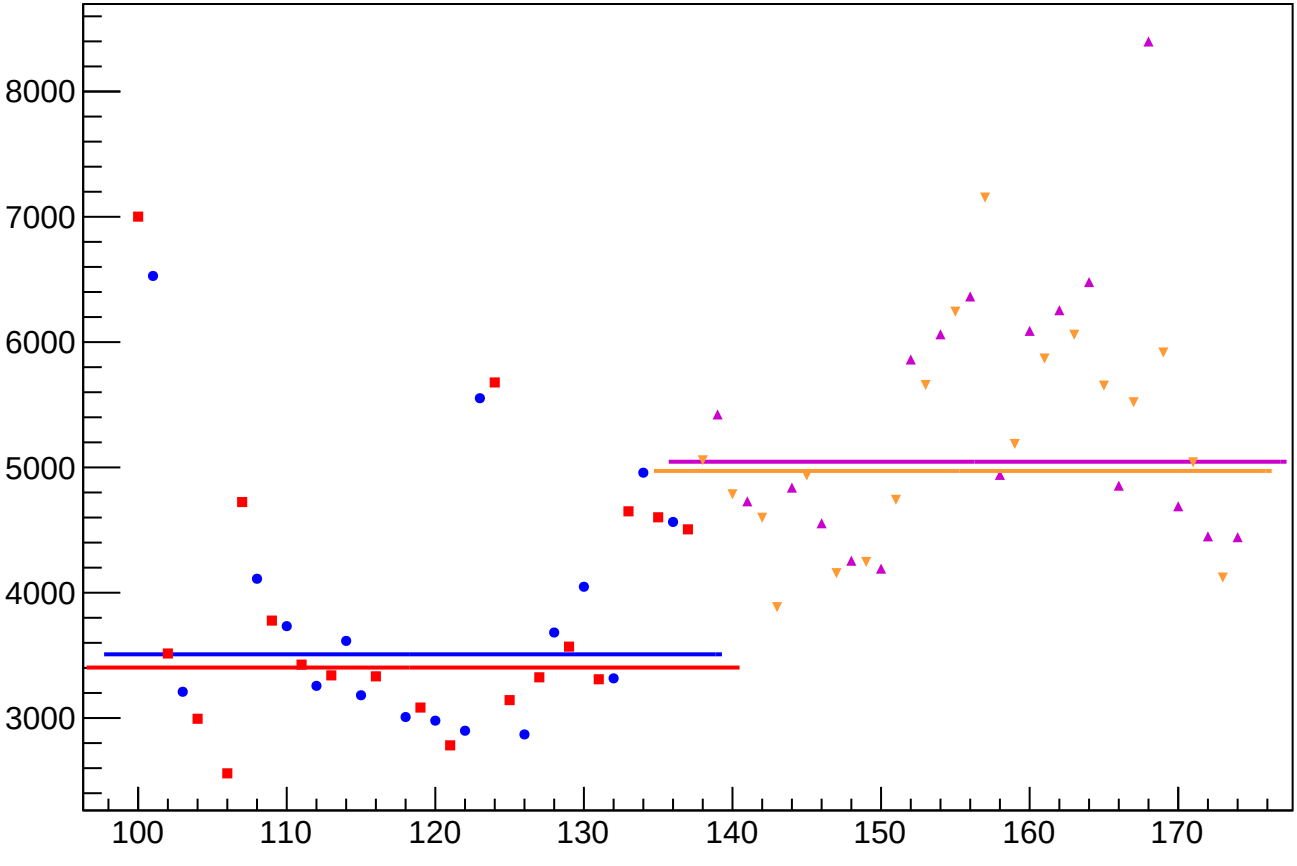
Right: -272.899+/-962.726 χ^2/NDF: 31.8/35

In: -554.581+/-977.240 χ^2/NDF:25.8/34

Out: 603.668+/-943.721 χ^2/NDF:41.3/37

All: 44.748+/-678.852 χ^2/NDF: 67.8/72

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: 5045.463+/-0.968 χ^2/NDF:802048.2/17

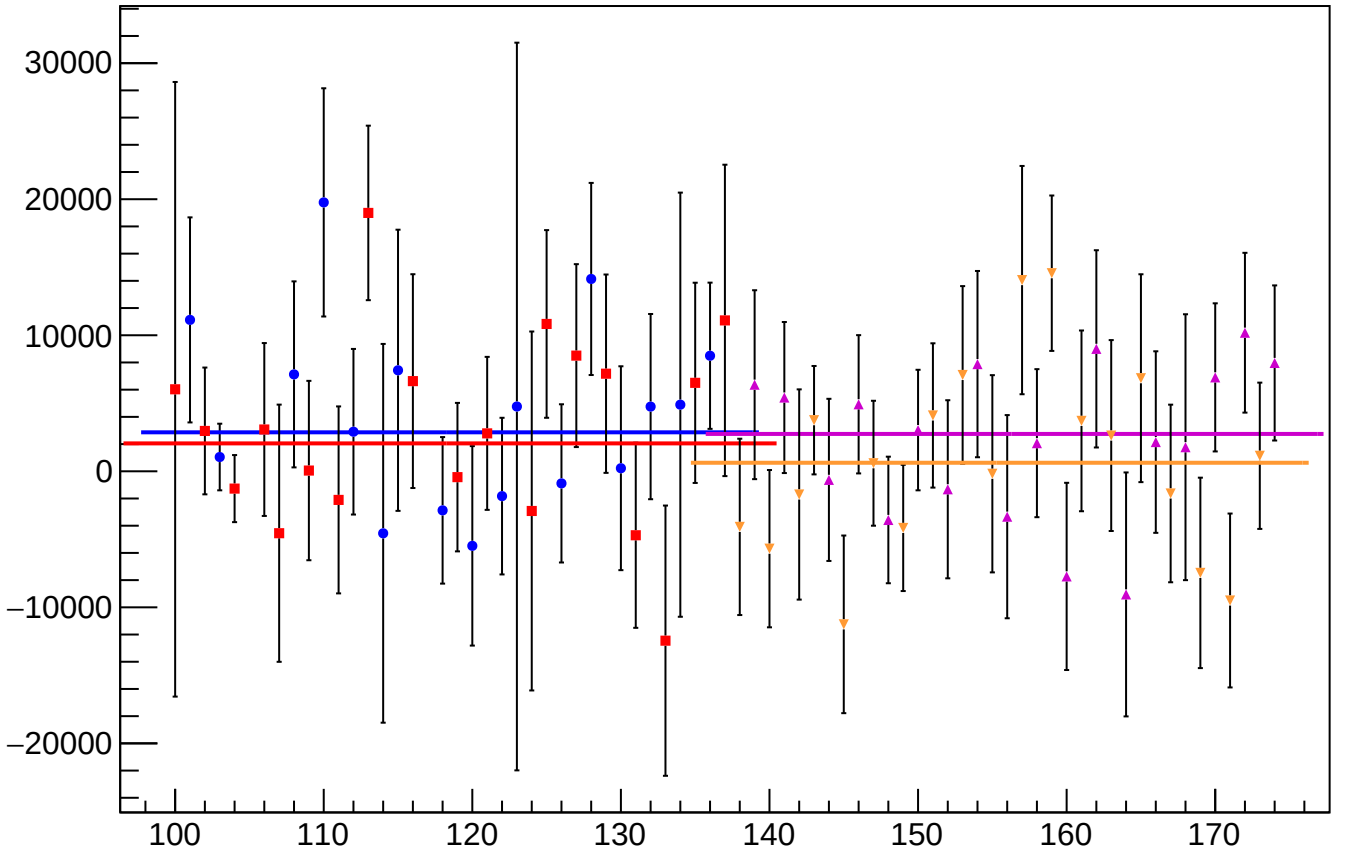
Left: 5007.872+/-0.677 χ^2/NDF: 1483972.5/36

Right: 3452.447+/-0.676 χ^2/NDF: 996829.8/35

In: 4291.873+/-0.691 χ^2/NDF:2600600.8/34

Out: 4171.412+/-0.663 χ^2/NDF:2507371.2/37

All: 4229.144+/-0.478 χ^2/NDF: 5123797.0/72



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: 2746.141+/-1424.796 χ^2/NDF:12.3/17

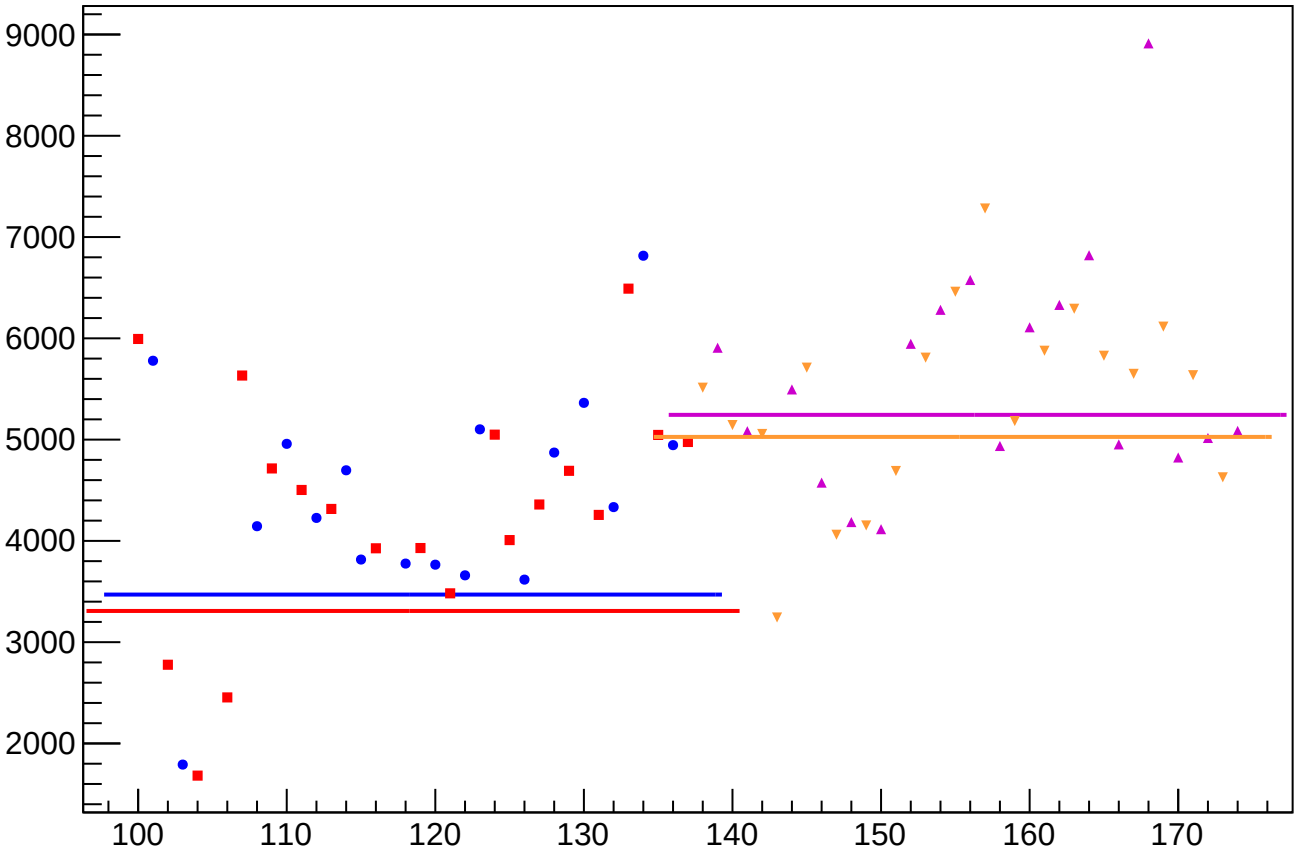
Left: 1641.243+/-985.647 χ^2/NDF: 35.1/36

Right: 2437.600+/-1001.108 χ^2/NDF: 31.9/35

In: 2804.307+/-1017.191 χ^2/NDF:26.4/34

Out: 1330.591+/-970.993 χ^2/NDF:39.9/37

All: 2033.225+/-702.360 χ^2/NDF: 67.4/72



Right In: 3470.042+/-1.027 χ^2/NDF: 1760860.6/16

Left Out: 5026.714+/-0.965 χ^2/NDF:1070617.5/18

Right Out: 3308.243+/-0.968 χ^2/NDF: 1910782.0/18

Left In: 5244.432+/-1.007 χ^2/NDF:870588.9/17

Left: 5130.905+/-0.697 χ^2/NDF: 1965557.5/36

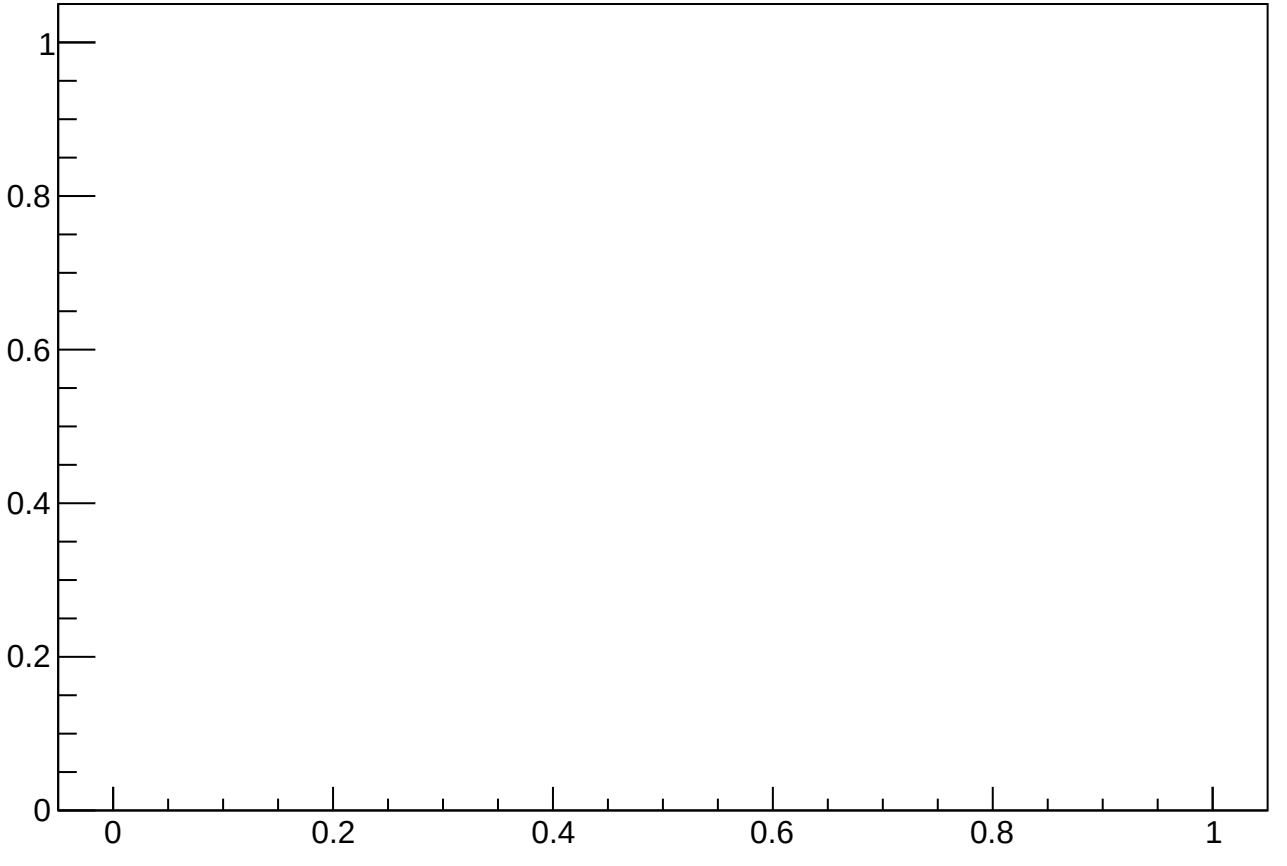
Right: 3384.349+/-0.704 χ^2/NDF: 3684784.1/35

In: 4374.395+/-0.719 χ^2/NDF:4152387.4/34

Out: 4169.990+/-0.683 χ^2/NDF:4561824.9/37

All: 4266.982+/-0.495 χ^2/NDF: 8756653.0/72

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

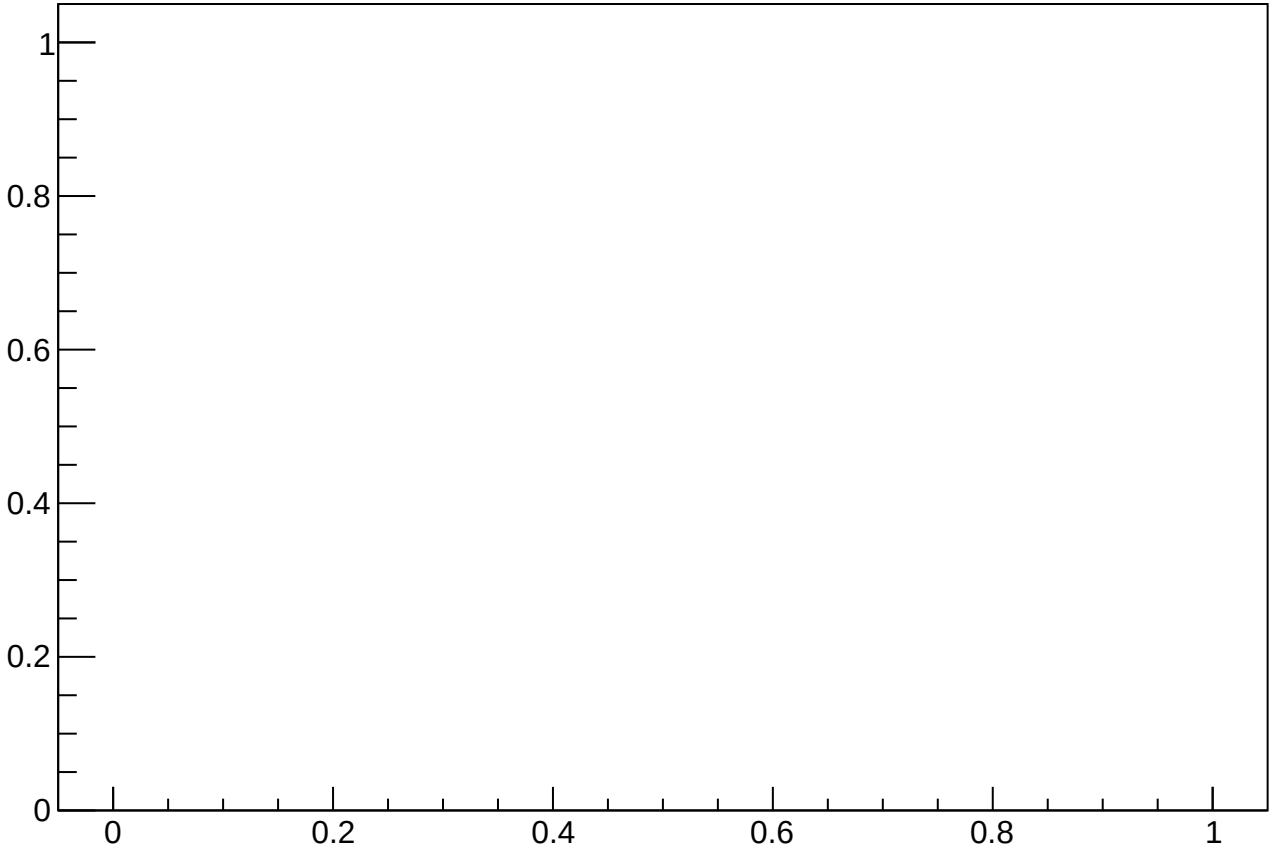
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

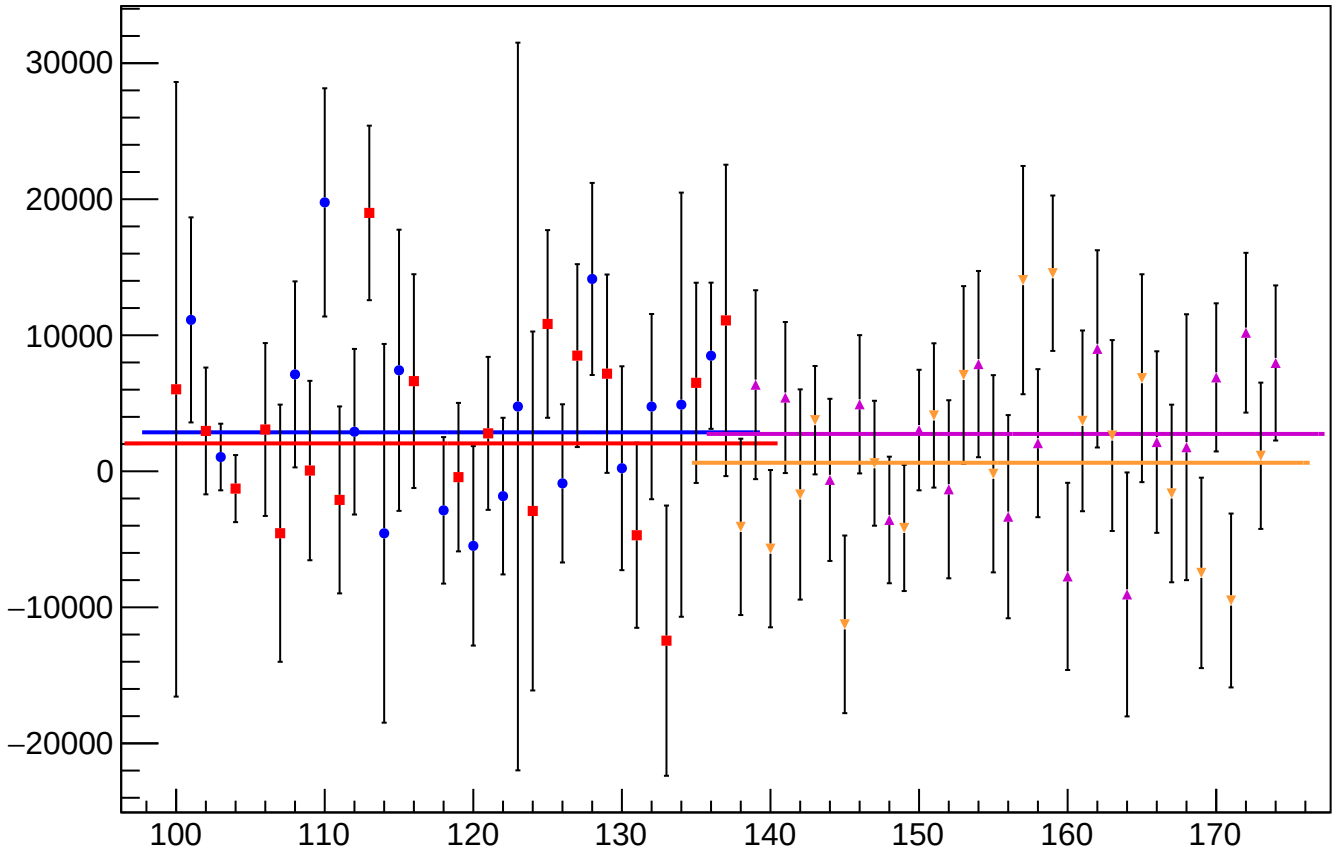
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

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



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: 2746.141+/-1424.796 χ^2/NDF:12.3/17

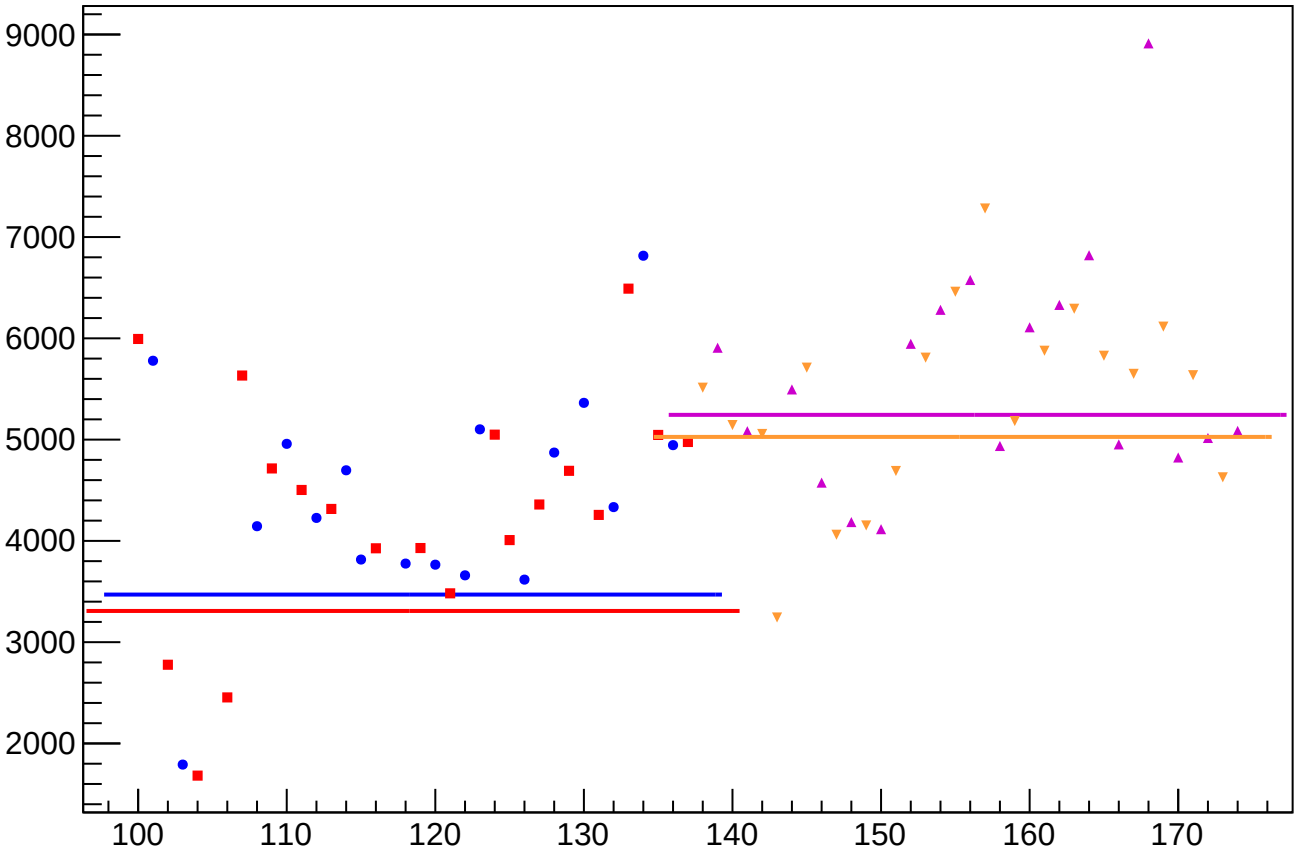
Left: 1641.243+/-985.647 χ^2/NDF: 35.1/36

Right: 2437.600+/-1001.108 χ^2/NDF: 31.9/35

In: 2804.307+/-1017.191 χ^2/NDF:26.4/34

Out: 1330.591+/-970.993 χ^2/NDF:39.9/37

All: 2033.225+/-702.360 χ^2/NDF: 67.4/72



Right In: 3470.042+/-1.027 χ^2/NDF: 1760860.6/16

Left Out: 5026.714+/-0.965 χ^2/NDF:1070617.5/18

Right Out: 3308.243+/-0.968 χ^2/NDF: 1910782.0/18

Left In: 5244.432+/-1.007 χ^2/NDF:870588.9/17

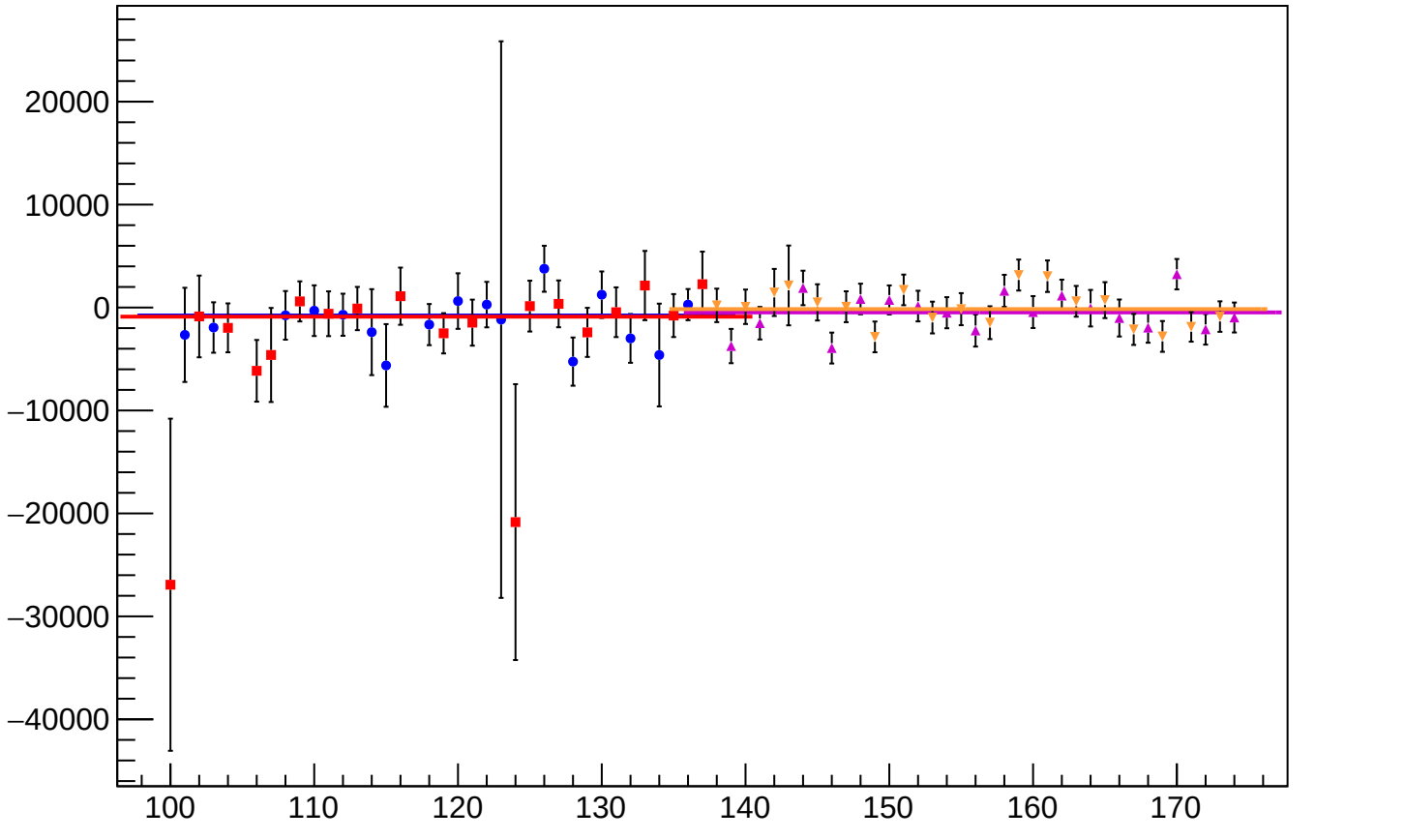
Left: 5130.905+/-0.697 χ^2/NDF: 1965557.5/36

Right: 3384.349+/-0.704 χ^2/NDF: 3684784.1/35

In: 4374.395+/-0.719 χ^2/NDF:4152387.4/34

Out: 4169.990+/-0.683 χ^2/NDF:4561824.9/37

All: 4266.982+/-0.495 χ^2/NDF: 8756653.0/72



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: -471.992+/-364.290 χ^2/NDF:26.3/17

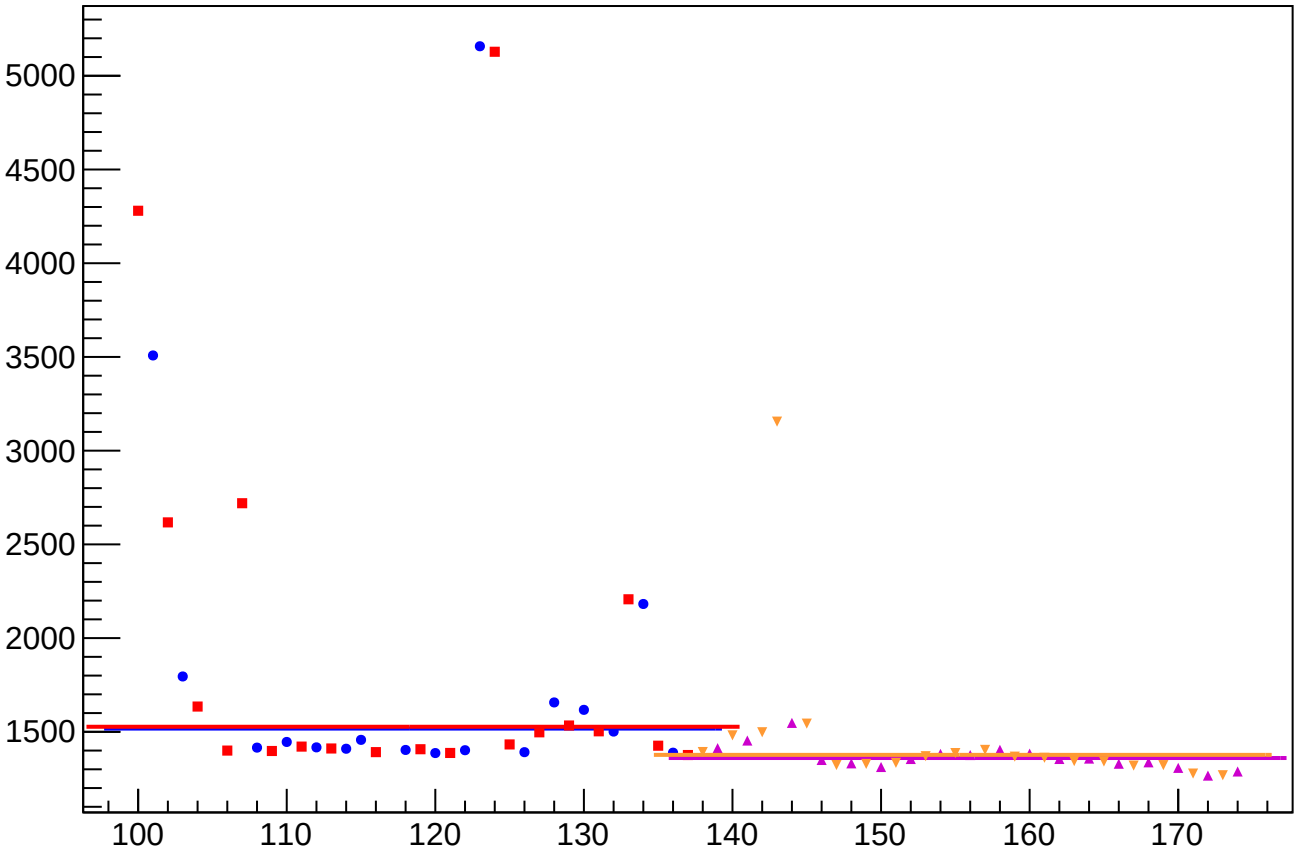
Left: -314.600+/-259.138 χ^2/NDF: 49.8/36

Right: -828.970+/-423.787 χ^2/NDF: 26.8/35

In: -551.849+/-311.902 χ^2/NDF:39.8/34

Out: -356.377+/-313.416 χ^2/NDF:37.7/37

All: -454.586+/-221.081 χ^2/NDF: 77.7/72



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: 1360.234+/-0.258 χ^2/NDF:56317.4/17

Left: 1368.525+/-0.183 χ^2/NDF: 545723.6/36

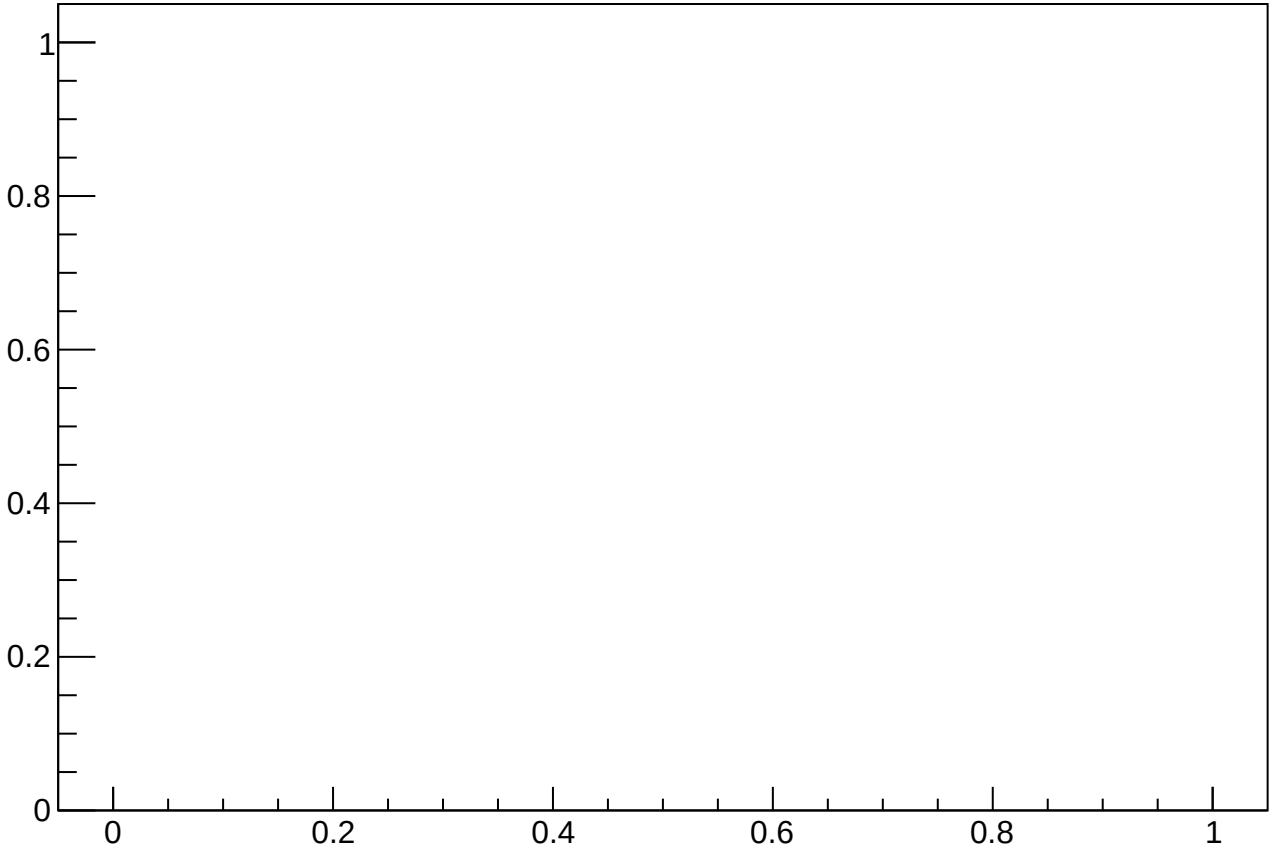
Right: 1522.239+/-0.300 χ^2/NDF: 1168607.3/35

In: 1402.170+/-0.221 χ^2/NDF:692268.8/34

Out: 1418.627+/-0.222 χ^2/NDF:1210810.3/37

All: 1410.359+/-0.156 χ^2/NDF: 1905849.6/72

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

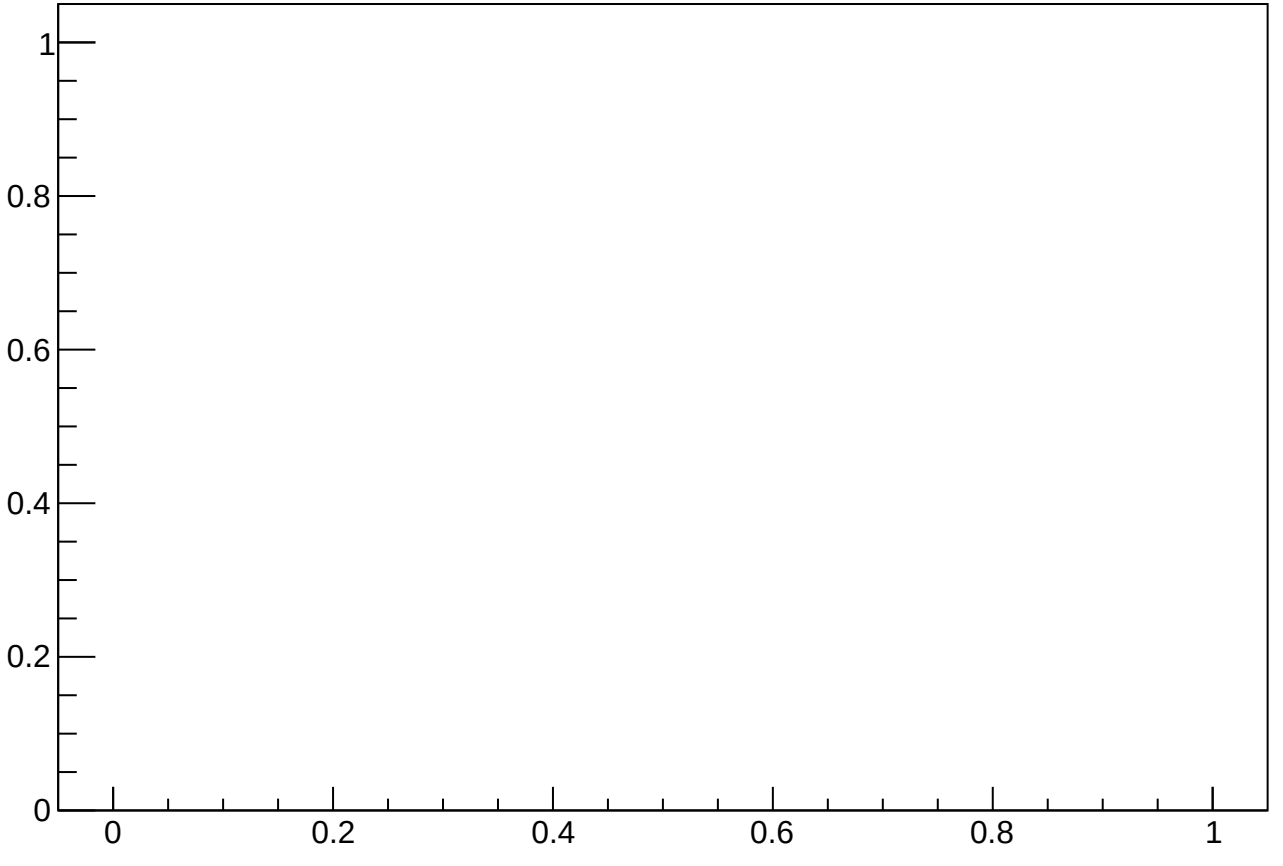
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

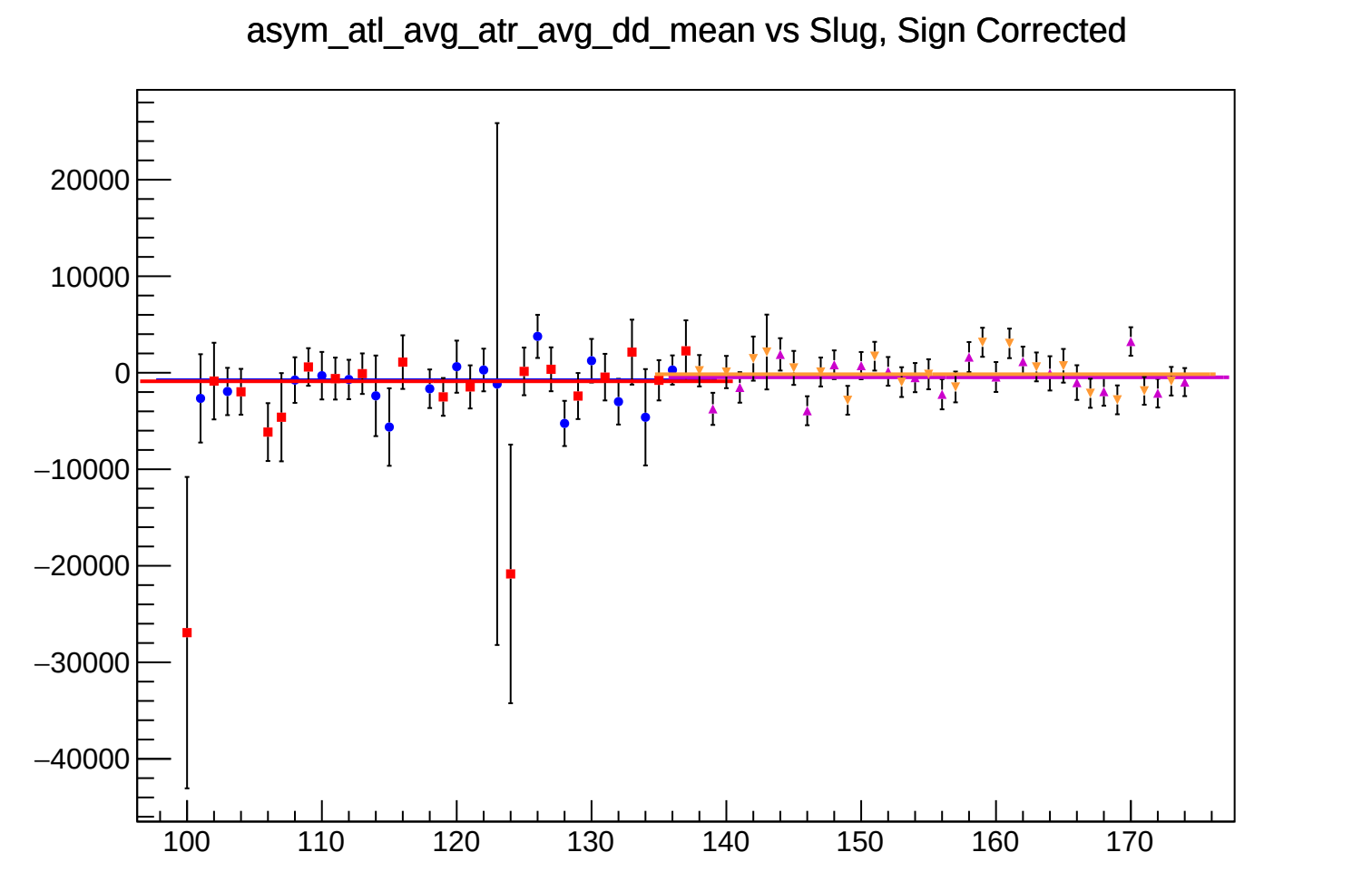
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

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



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: -471.992+/-364.290 χ^2/NDF:26.3/17

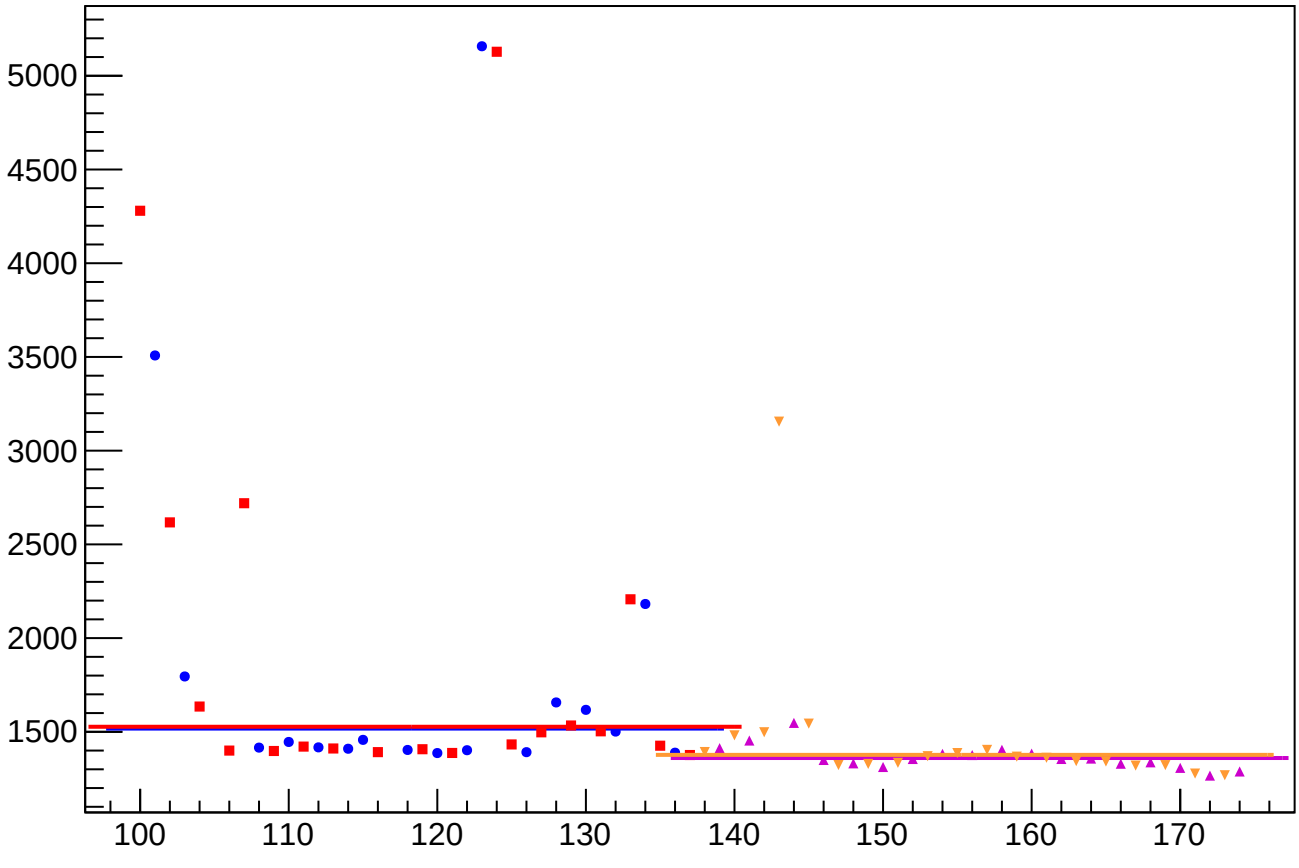
Left: -314.600+/-259.138 χ^2/NDF: 49.8/36

Right: -828.970+/-423.787 χ^2/NDF: 26.8/35

In: -551.849+/-311.902 χ^2/NDF:39.8/34

Out: -356.377+/-313.416 χ^2/NDF:37.7/37

All: -454.586+/-221.081 χ^2/NDF: 77.7/72



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: 1360.234+/-0.258 χ^2/NDF:56317.4/17

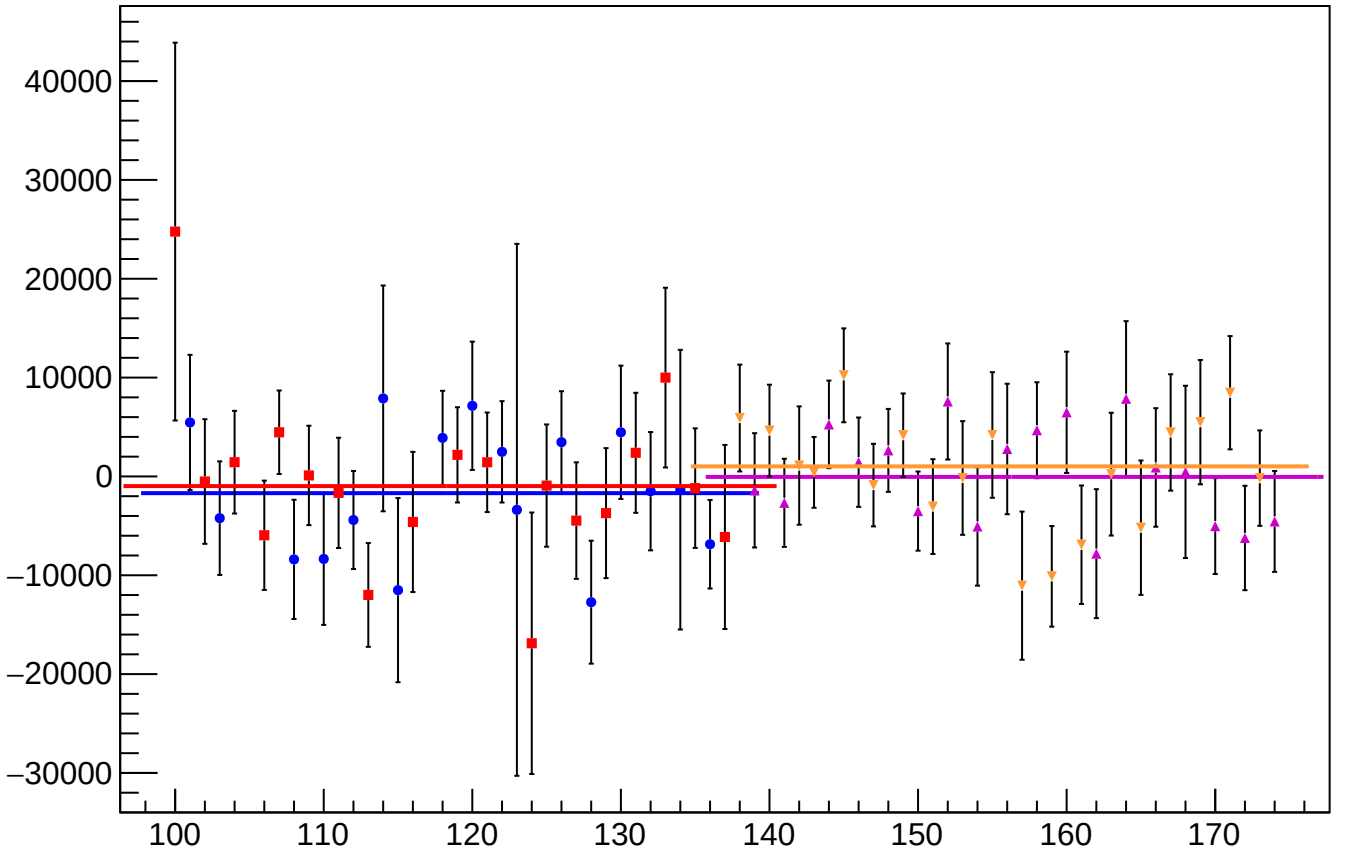
Left: 1368.525+/-0.183 χ^2/NDF: 545723.6/36

Right: 1522.239+/-0.300 χ^2/NDF: 1168607.3/35

In: 1402.170+/-0.221 χ^2/NDF:692268.8/34

Out: 1418.627+/-0.222 χ^2/NDF:1210810.3/37

All: 1410.359+/-0.156 χ^2/NDF: 1905849.6/72



Right In: -1692.604+/-1512.935 χ^2/NDF: 15.8/16

Left Out: 1018.883+/-1193.732 χ^2/NDF:19.6/18

Right Out: -977.899+/-1378.874 χ^2/NDF: 13.9/18

Left In: -48.110+/-1244.600 χ^2/NDF:13.4/17

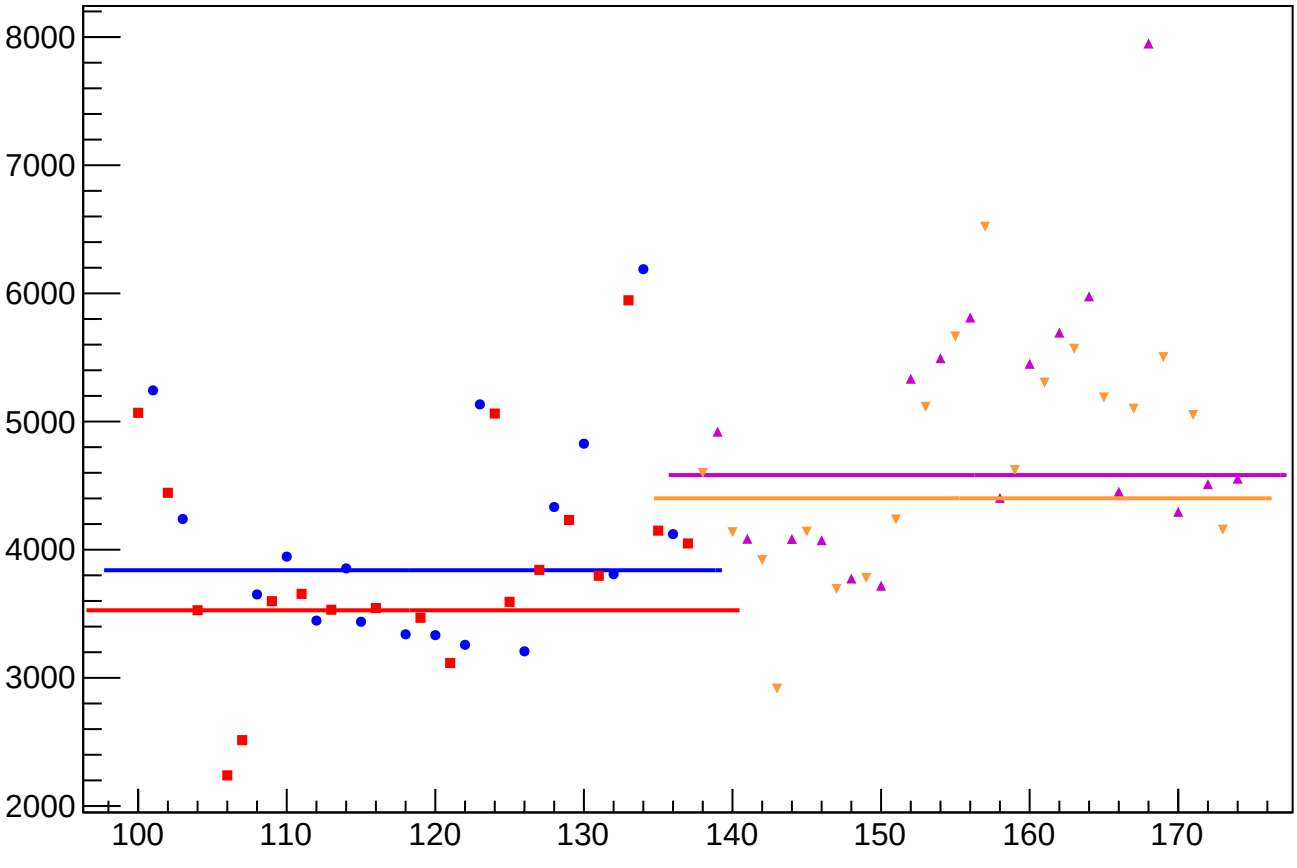
Left: 507.636+/-861.518 χ^2/NDF: 33.4/36

Right: -1302.190+/-1019.117 χ^2/NDF: 29.9/35

In: -711.832+/-961.164 χ^2/NDF:30.0/34

Out: 163.454+/-902.509 χ^2/NDF:34.7/37

All: -246.669+/-657.929 χ^2/NDF: 65.1/72



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: 4582.272+/-0.880 χ^2/NDF:868652.2/17

Left: 4487.757+/-0.609 χ^2/NDF: 1902091.3/36

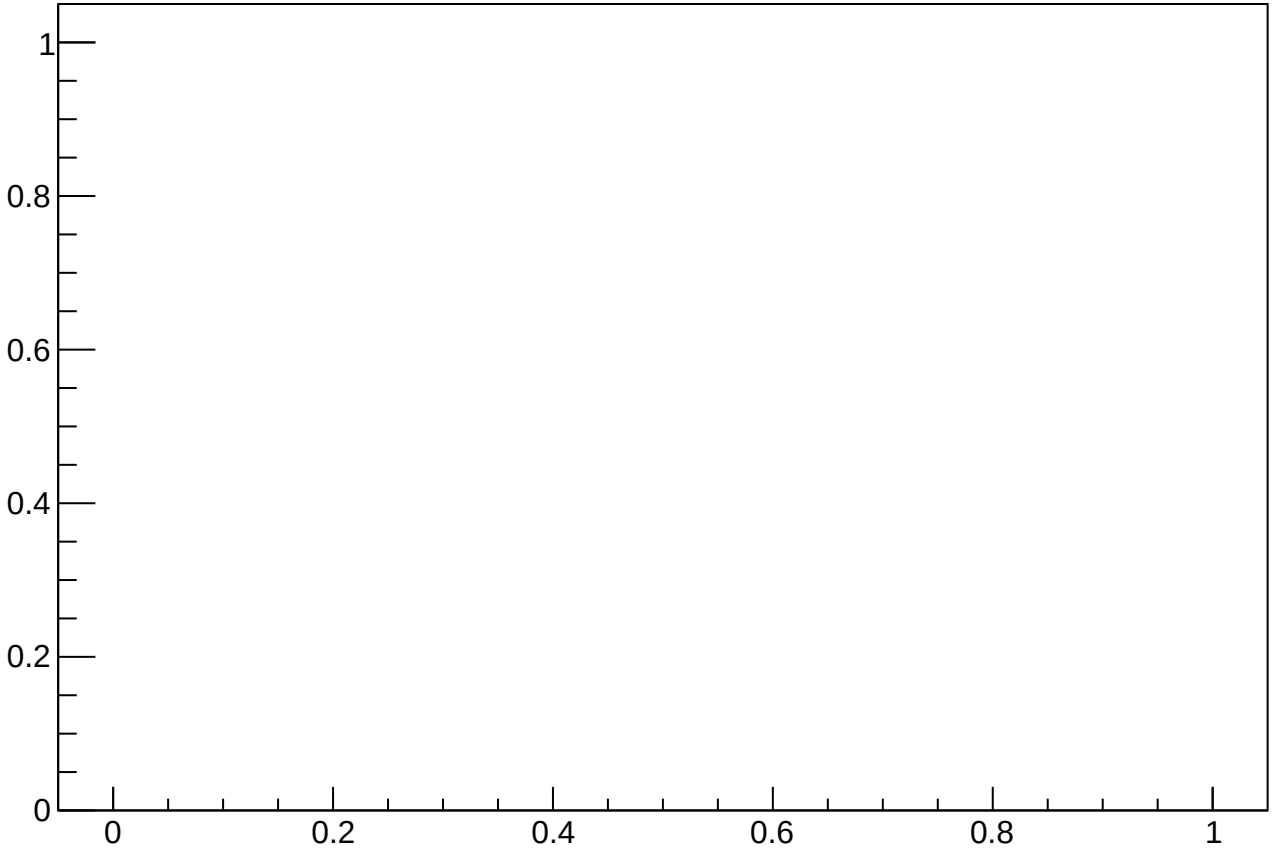
Right: 3667.674+/-0.717 χ^2/NDF: 927722.2/35

In: 4282.579+/-0.680 χ^2/NDF:1481924.5/34

Out: 4022.692+/-0.636 χ^2/NDF:2029635.5/37

All: 4143.957+/-0.464 χ^2/NDF: 3589553.8/72

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

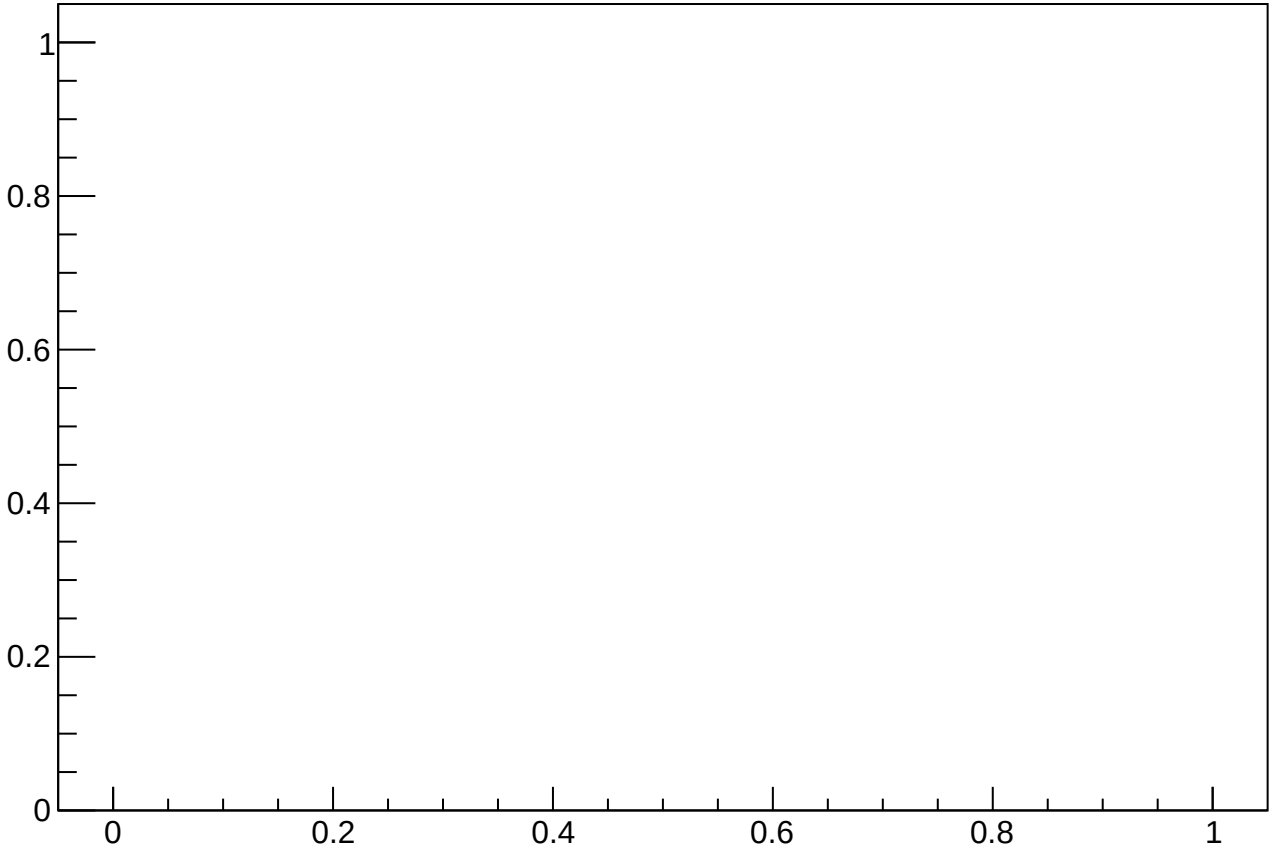
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

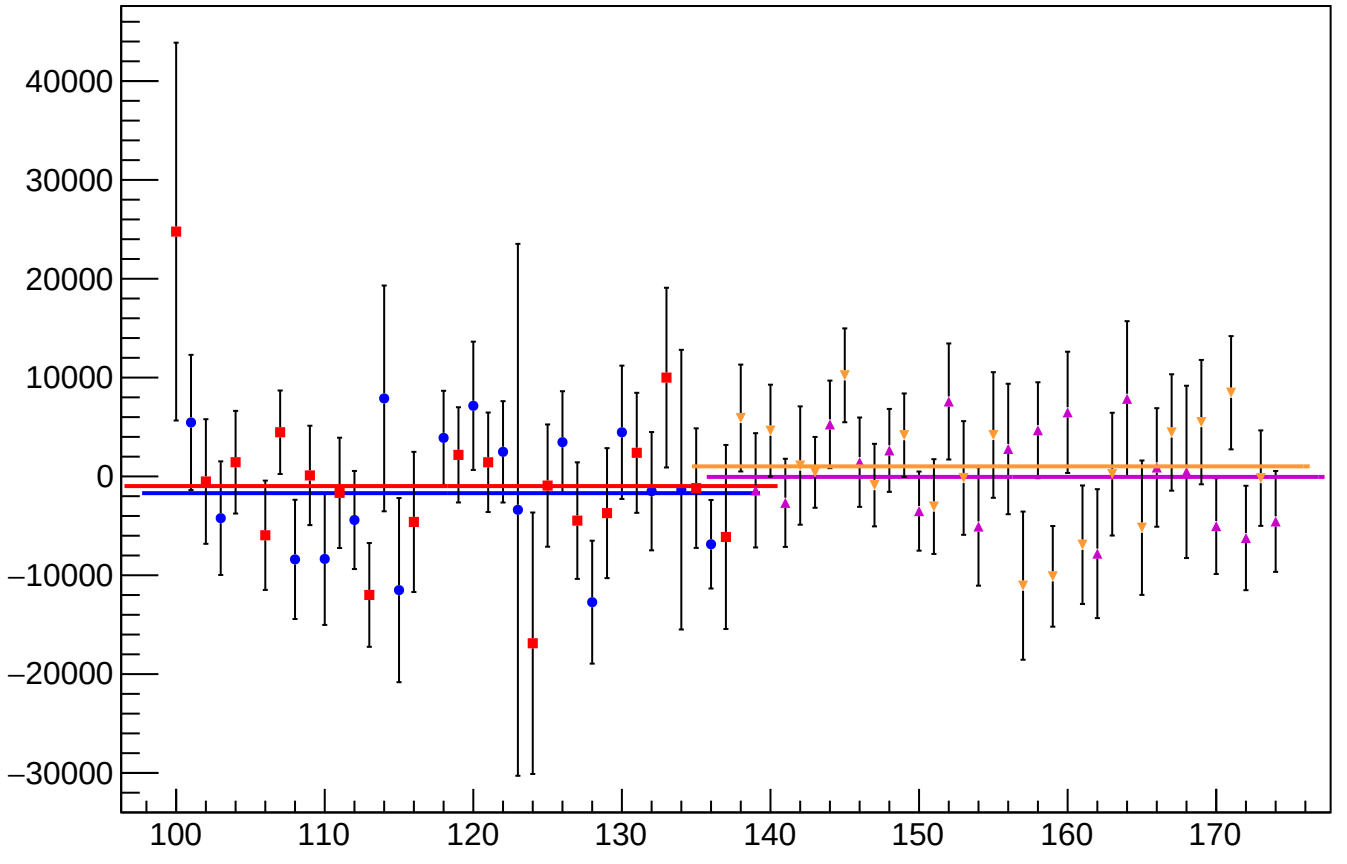
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

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



Right In: -1692.604+/-1512.935 χ^2/NDF: 15.8/16

Left Out: 1018.883+/-1193.732 χ^2/NDF:19.6/18

Right Out: -977.899+/-1378.874 χ^2/NDF: 13.9/18

Left In: -48.110+/-1244.600 χ^2/NDF:13.4/17

Left: 507.636+/-861.518 χ^2/NDF: 33.4/36

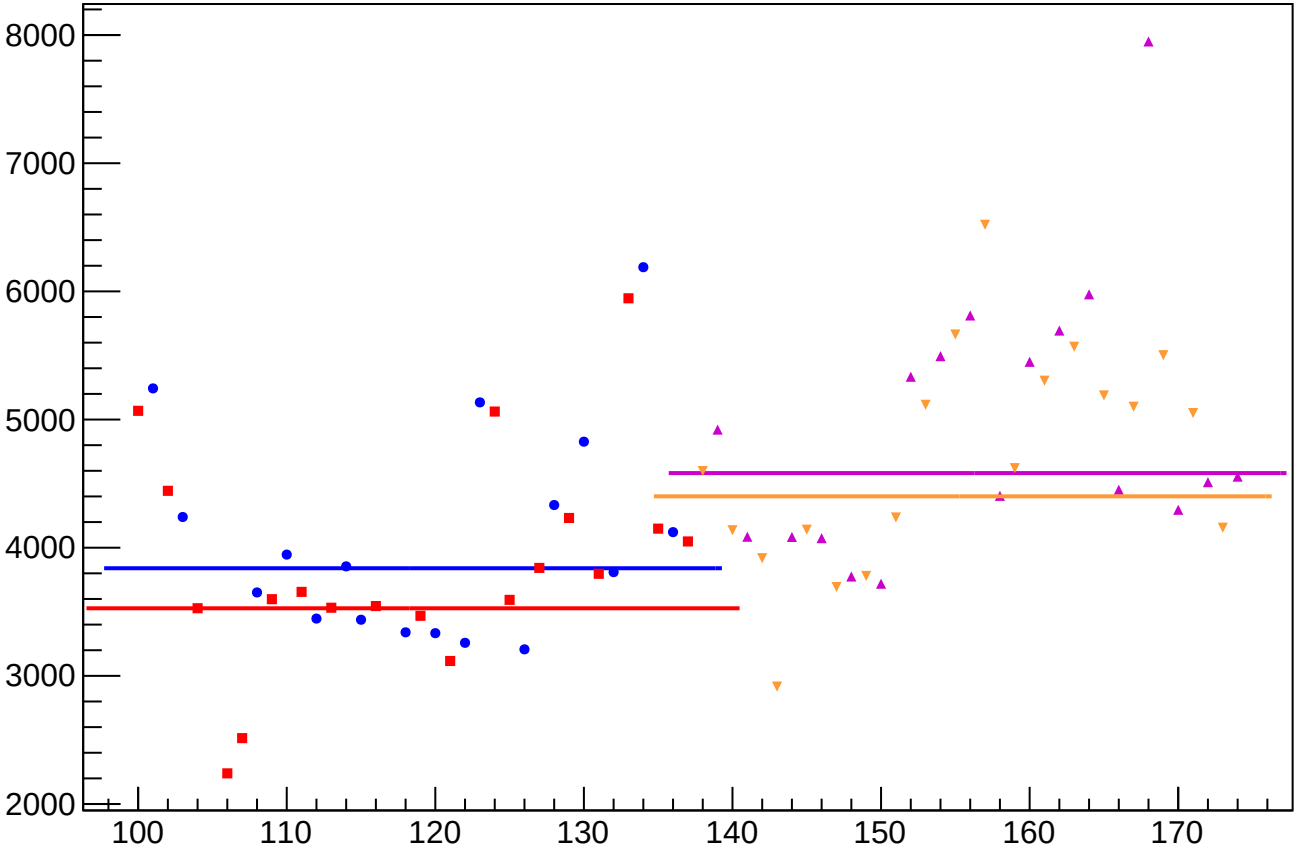
Right: -1302.190+/-1019.117 χ^2/NDF: 29.9/35

In: -711.832+/-961.164 χ^2/NDF:30.0/34

Out: 163.454+/-902.509 χ^2/NDF:34.7/37

All: -246.669+/-657.929 χ^2/NDF: 65.1/72

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: 4582.272+/-0.880 χ^2/NDF:868652.2/17

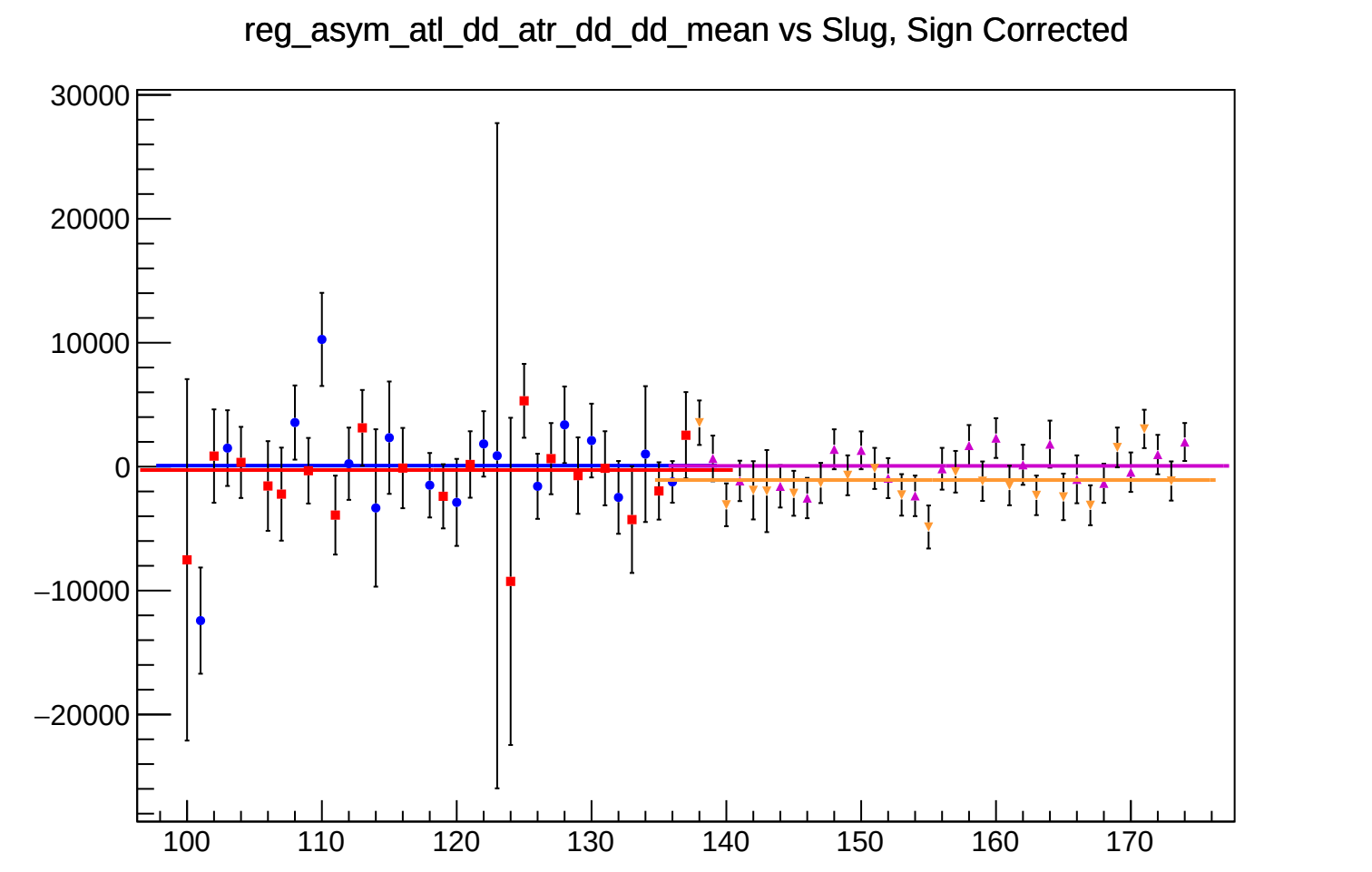
Left: 4487.757+/-0.609 χ^2/NDF: 1902091.3/36

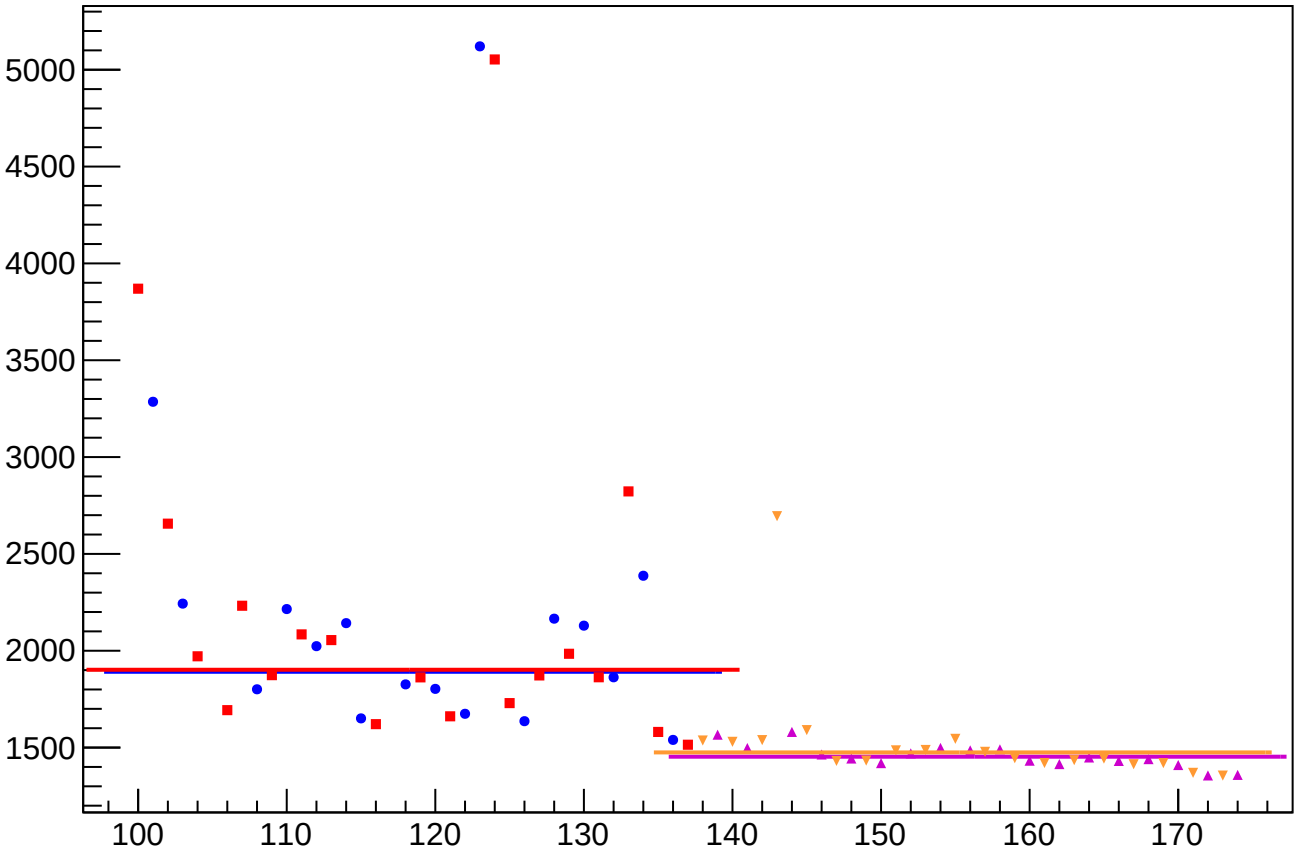
Right: 3667.674+/-0.717 χ^2/NDF: 927722.2/35

In: 4282.579+/-0.680 χ^2/NDF:1481924.5/34

Out: 4022.692+/-0.636 χ^2/NDF:2029635.5/37

All: 4143.957+/-0.464 χ^2/NDF: 3589553.8/72


reg_asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
110
120
130
140
150
160
170
Right In: 83.860+/-750.549 χ²/NDF: 22.9/16
Left Out: -1077.830+/-393.720 χ²/NDF:27.0/18
Right Out: -272.707+/-734.115 χ²/NDF: 10.2/18
Left In: 61.927+/-388.906 χ²/NDF:15.0/17
Left: -500.941+/-276.684 χ²/NDF: 46.2/36
Right: -98.370+/-524.811 χ²/NDF: 33.2/35
In: 66.570+/-345.303 χ²/NDF:37.9/34
Out: -897.978+/-346.969 χ²/NDF:38.1/37
All: -413.384+/-244.753 χ²/NDF: 79.8/72



Right In: 1891.492+/-0.531 χ^2/NDF: 464497.5/16

Left Out: 1475.054+/-0.278 χ^2/NDF:322421.3/18

Right Out: 1901.797+/-0.519 χ^2/NDF: 460687.3/18

Left In: 1452.896+/-0.275 χ^2/NDF:43182.5/17

Left: 1463.839+/-0.196 χ^2/NDF: 368810.1/36

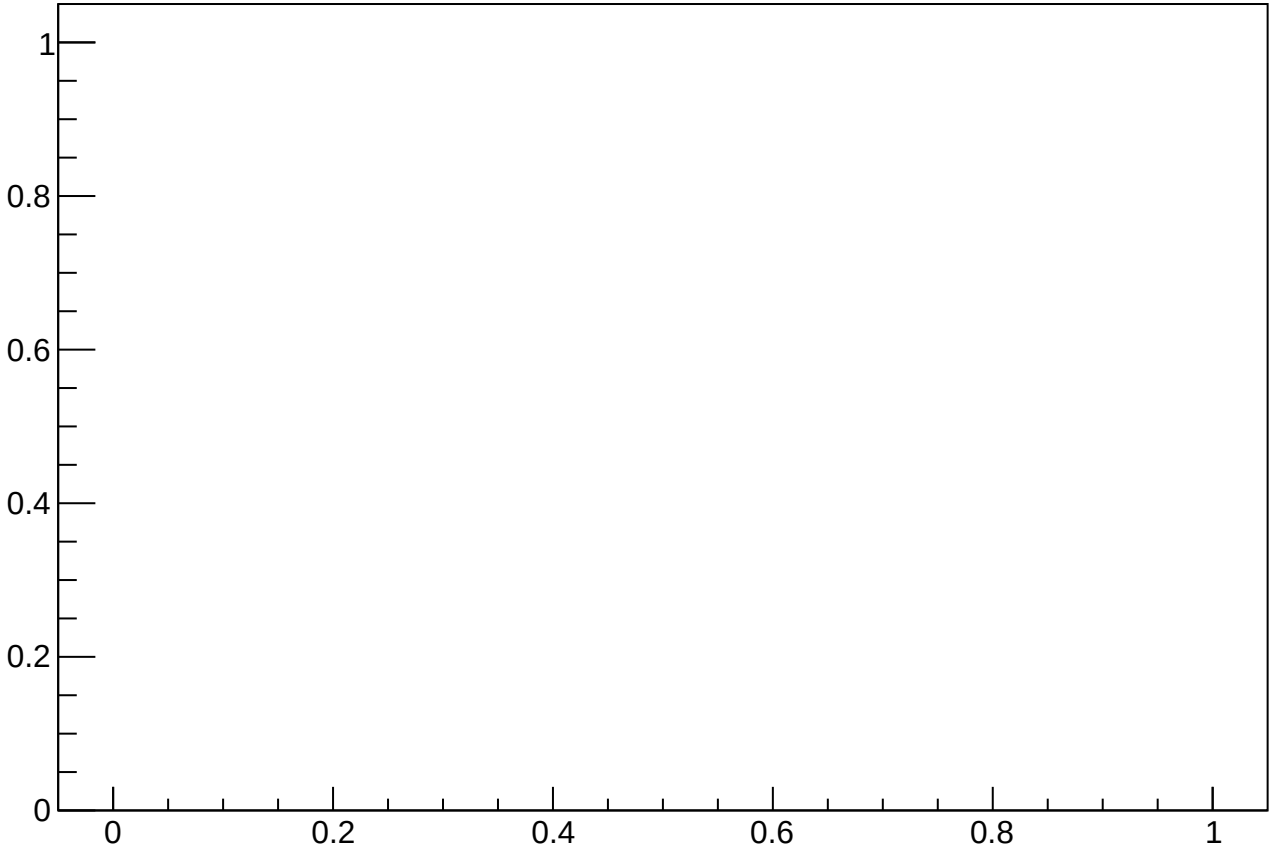
Right: 1896.759+/-0.371 χ^2/NDF: 925377.5/35

In: 1545.732+/-0.244 χ^2/NDF:1046095.6/34

Out: 1570.384+/-0.245 χ^2/NDF:1307977.0/37

All: 1557.999+/-0.173 χ^2/NDF: 2359145.3/72

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

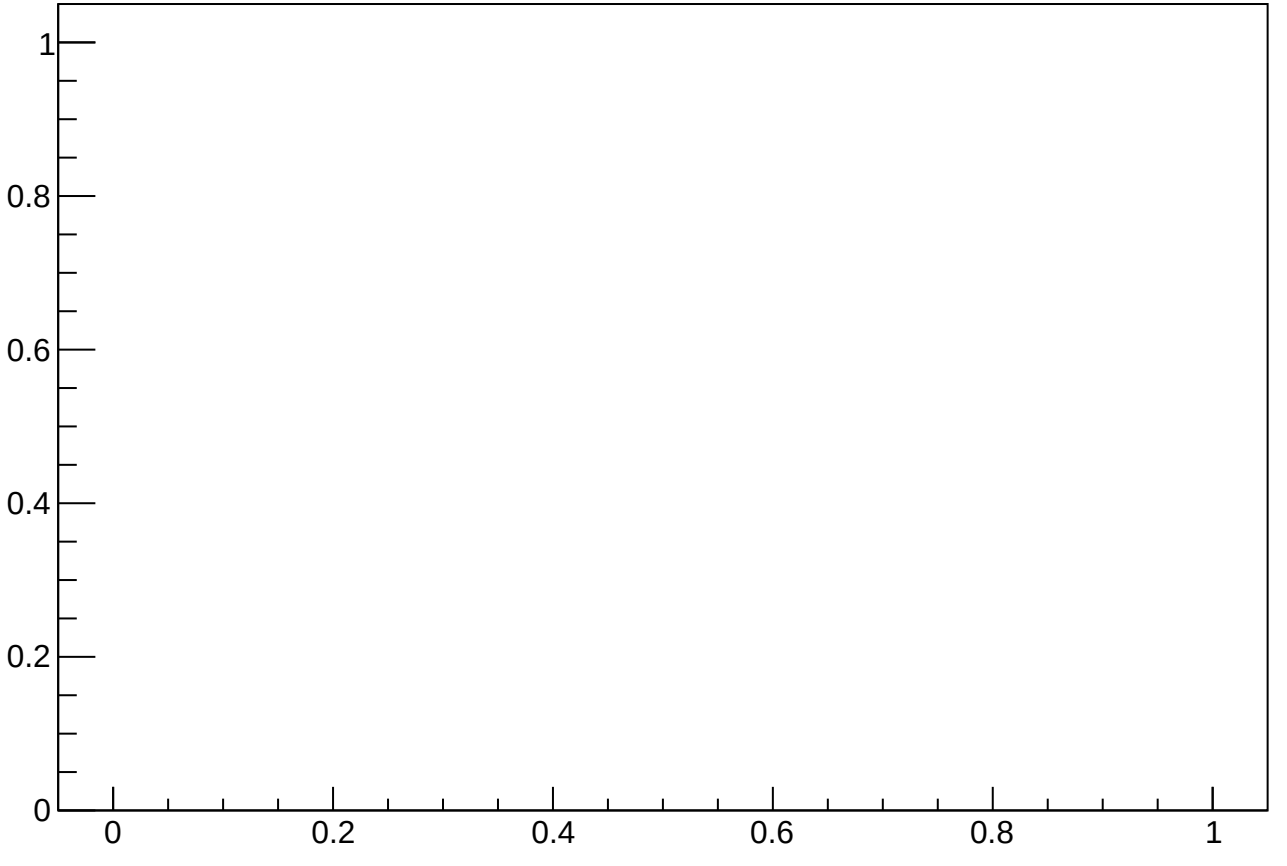
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

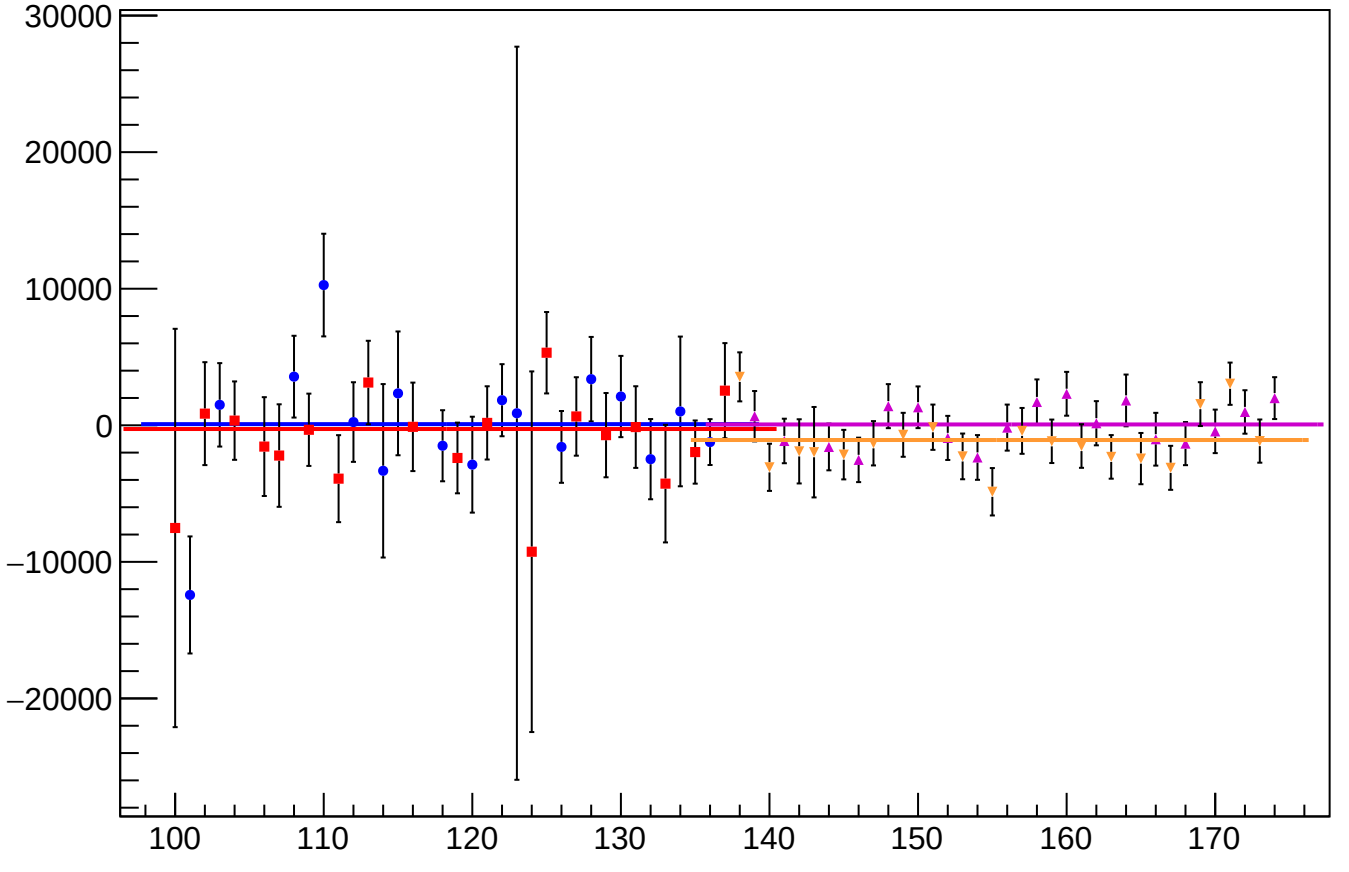
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

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+/-750.549 χ^2/NDF: 22.9/16

Left Out: -1077.830+/-393.720 χ^2/NDF:27.0/18

Right Out: -272.707+/-734.115 χ^2/NDF: 10.2/18

Left In: 61.927+/-388.906 χ^2/NDF:15.0/17

Left: -500.941+/-276.684 χ^2/NDF: 46.2/36

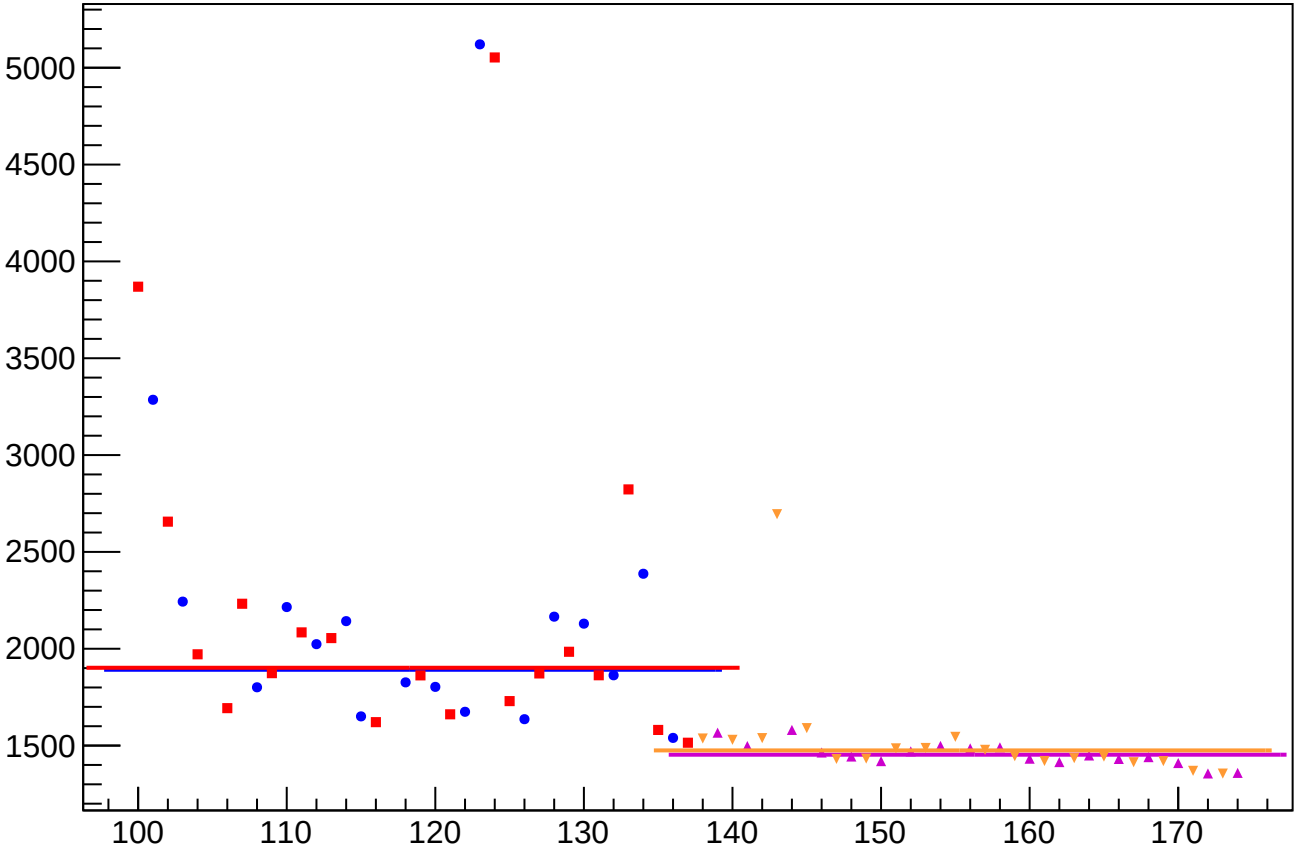
Right: -98.370+/-524.811 χ^2/NDF: 33.2/35

In: 66.570+/-345.303 χ^2/NDF:37.9/34

Out: -897.978+/-346.969 χ^2/NDF:38.1/37

All: -413.384+/-244.753 χ^2/NDF: 79.8/72

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492+/-0.531 χ^2/NDF: 464497.5/16

Left Out: 1475.054+/-0.278 χ^2/NDF:322421.3/18

Right Out: 1901.797+/-0.519 χ^2/NDF: 460687.3/18

Left In: 1452.896+/-0.275 χ^2/NDF:43182.5/17

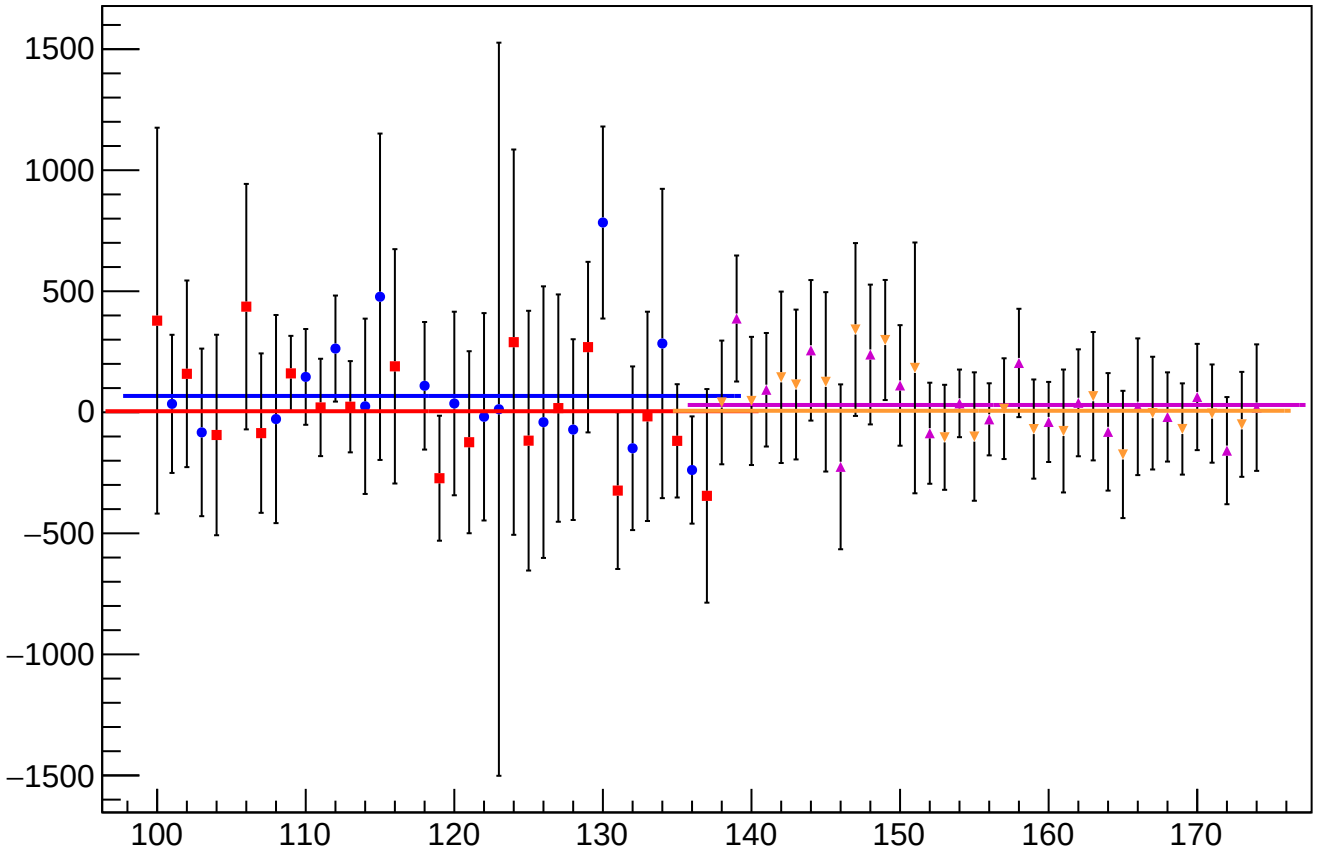
Left: 1463.839+/-0.196 χ^2/NDF: 368810.1/36

Right: 1896.759+/-0.371 χ^2/NDF: 925377.5/35

In: 1545.732+/-0.244 χ^2/NDF:1046095.6/34

Out: 1570.384+/-0.245 χ^2/NDF:1307977.0/37

All: 1557.999+/-0.173 χ^2/NDF: 2359145.3/72



Right In: 67.542+/-79.608 χ^2/NDF: 7.5/16

Left Out: 6.257+/-57.554 χ^2/NDF:4.2/18

Right Out: 4.423+/-70.009 χ^2/NDF: 6.4/18

Left In: 30.251+/-50.464 χ^2/NDF:6.0/17

Left: 19.822+/-37.944 χ^2/NDF: 10.4/36

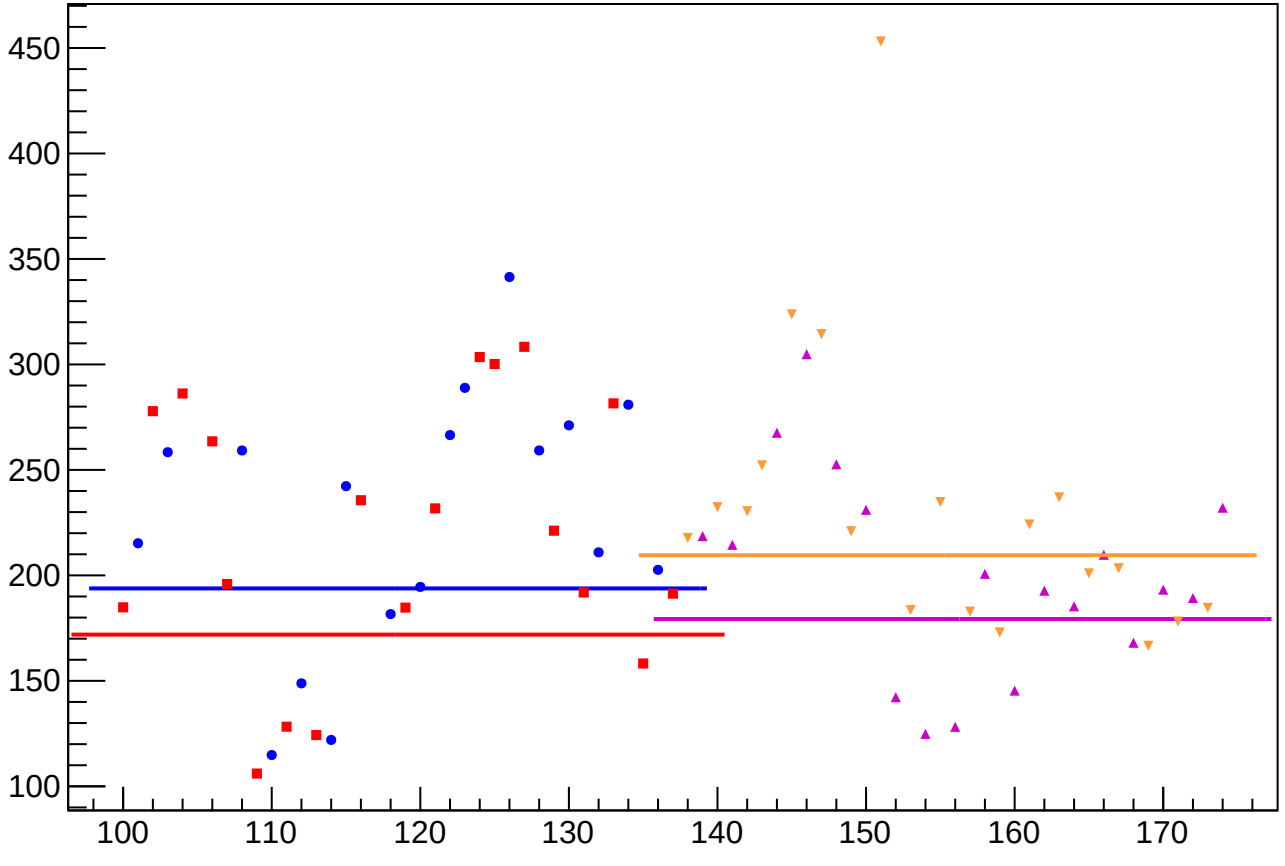
Right: 31.949+/-52.572 χ^2/NDF: 14.2/35

In: 40.940+/-42.622 χ^2/NDF:13.7/34

Out: 5.517+/-44.459 χ^2/NDF:10.6/37

All: 23.976+/-30.767 χ^2/NDF: 24.6/72

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815+/-0.056 χ^2/NDF: 1010325.5/16

Left Out: 209.549+/-0.041 χ^2/NDF:1223703.3/18

Right Out: 171.920+/-0.050 χ^2/NDF: 1577076.0/18

Left In: 179.316+/-0.036 χ^2/NDF:1600789.7/17

Left: 192.457+/-0.027 χ^2/NDF: 3136486.9/36

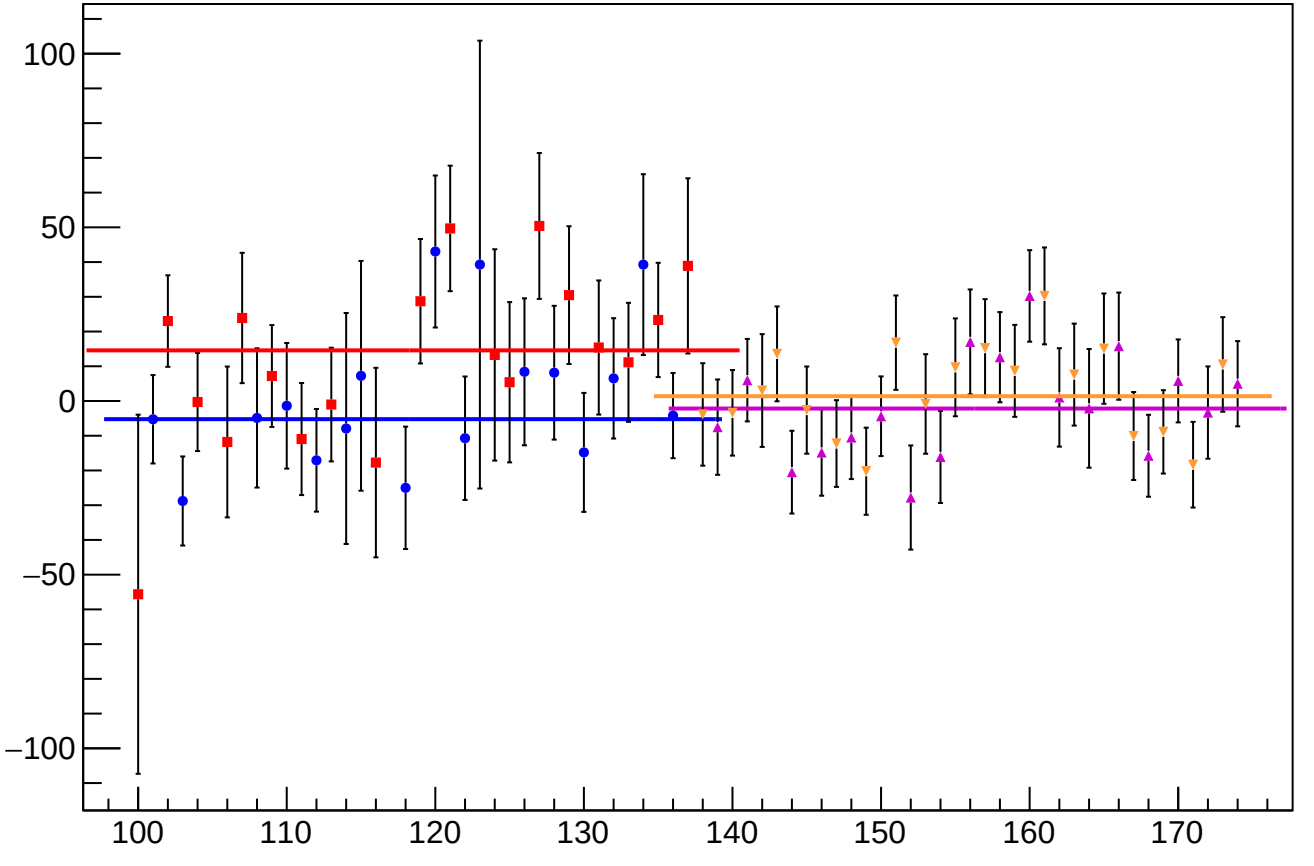
Right: 181.469+/-0.037 χ^2/NDF: 2672713.5/35

In: 183.473+/-0.030 χ^2/NDF:2658439.0/34

Out: 194.374+/-0.031 χ^2/NDF:3145550.6/37

All: 188.693+/-0.022 χ^2/NDF: 5866648.1/72

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: -2.173+/-3.074 χ^2/NDF:21.1/17

Left: -0.407+/-2.181 χ^2/NDF: 39.8/36

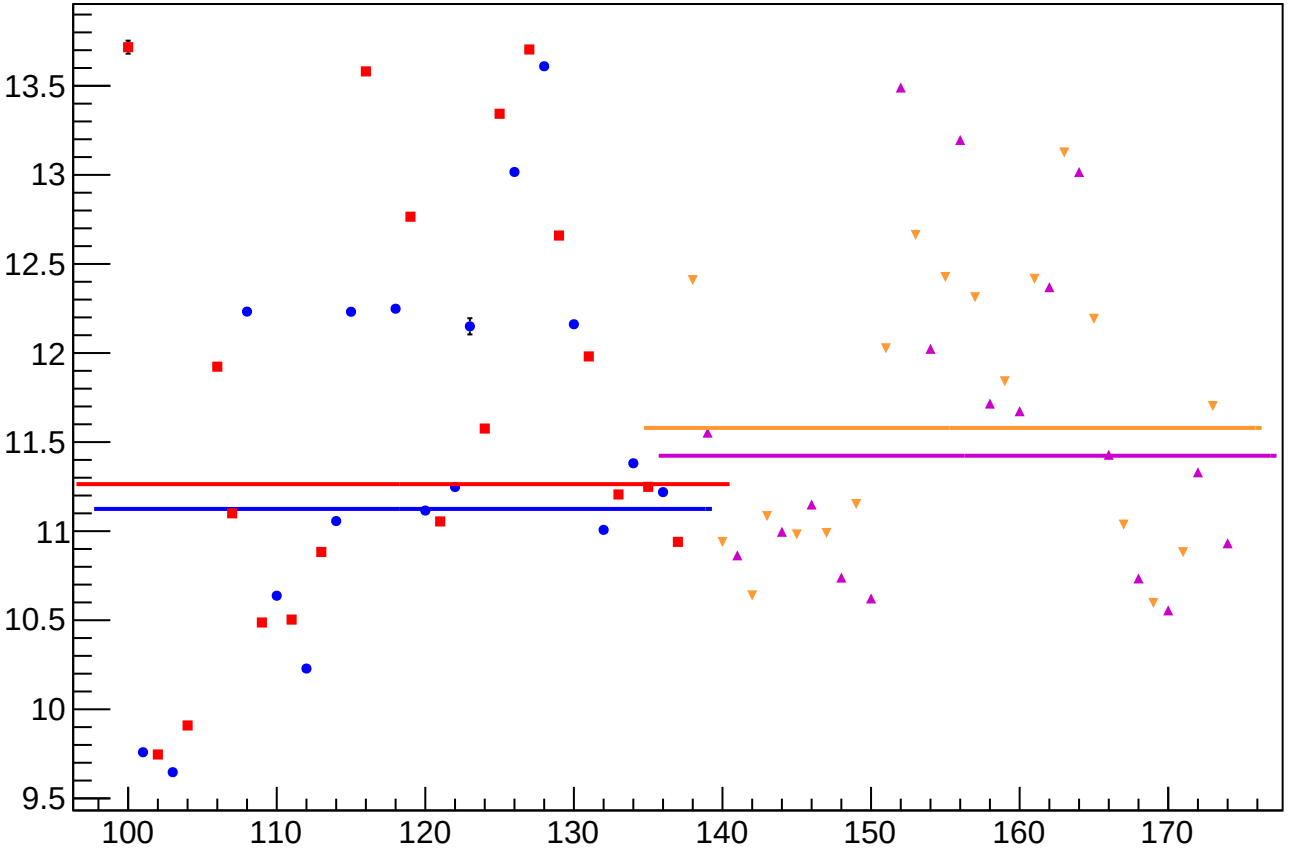
Right: 4.883+/-3.047 χ^2/NDF: 45.6/35

In: -3.190+/-2.512 χ^2/NDF:36.9/34

Out: 5.934+/-2.505 χ^2/NDF:43.8/37

All: 1.385+/-1.774 χ^2/NDF: 87.3/72

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125+/-0.003 χ^2/NDF: 132520.1/16

Left Out: 11.580+/-0.002 χ^2/NDF:115434.9/18

Right Out: 11.264+/-0.003 χ^2/NDF: 147733.2/18

Left In: 11.423+/-0.002 χ^2/NDF:142809.7/17

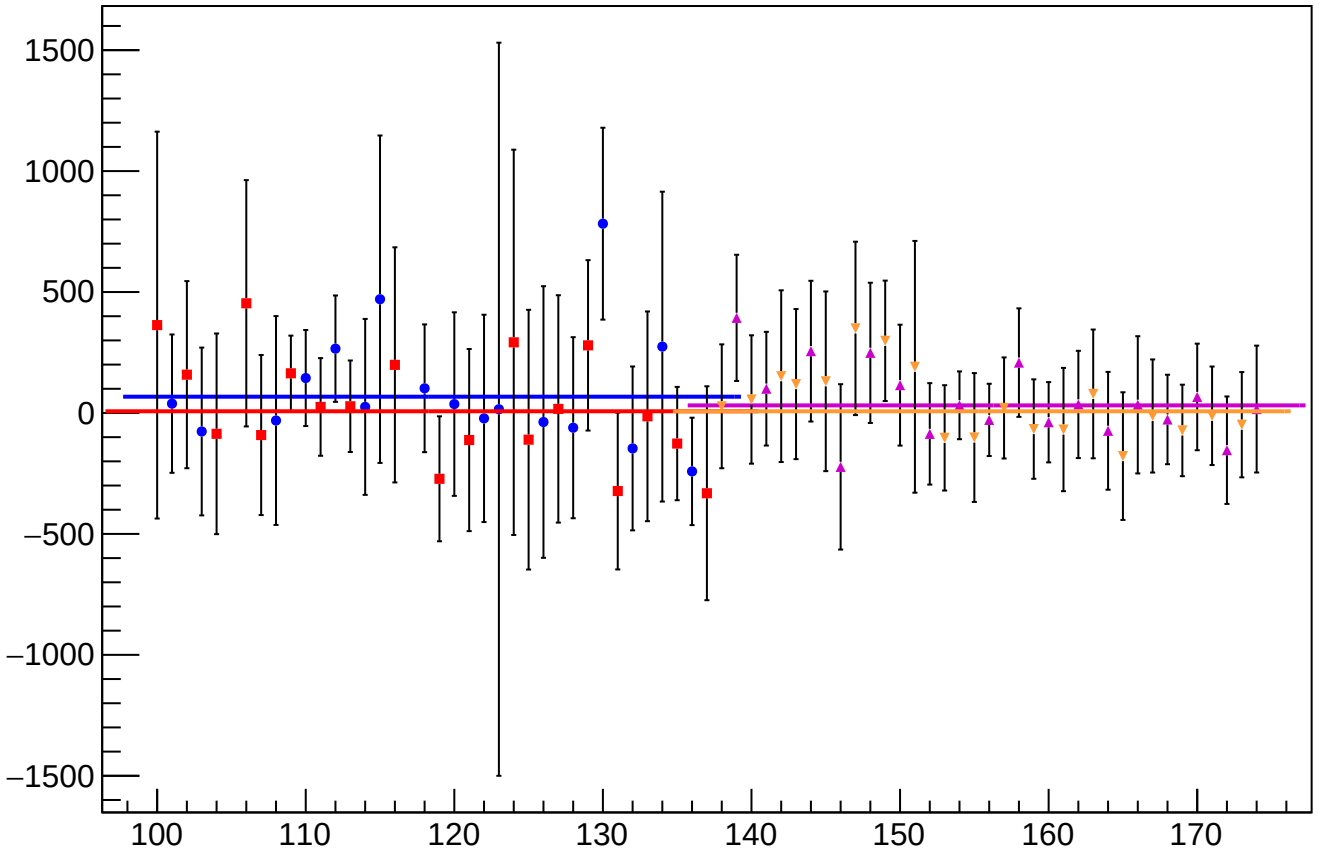
Left: 11.501+/-0.002 χ^2/NDF: 260806.3/36

Right: 11.196+/-0.002 χ^2/NDF: 281295.0/35

In: 11.324+/-0.002 χ^2/NDF:281603.9/34

Out: 11.471+/-0.002 χ^2/NDF:270342.6/37

All: 11.398+/-0.001 χ^2/NDF: 555360.8/72



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: 31.315+/-50.639 χ^2/NDF:6.1/17

Left: 20.747+/-38.076 χ^2/NDF: 10.5/36

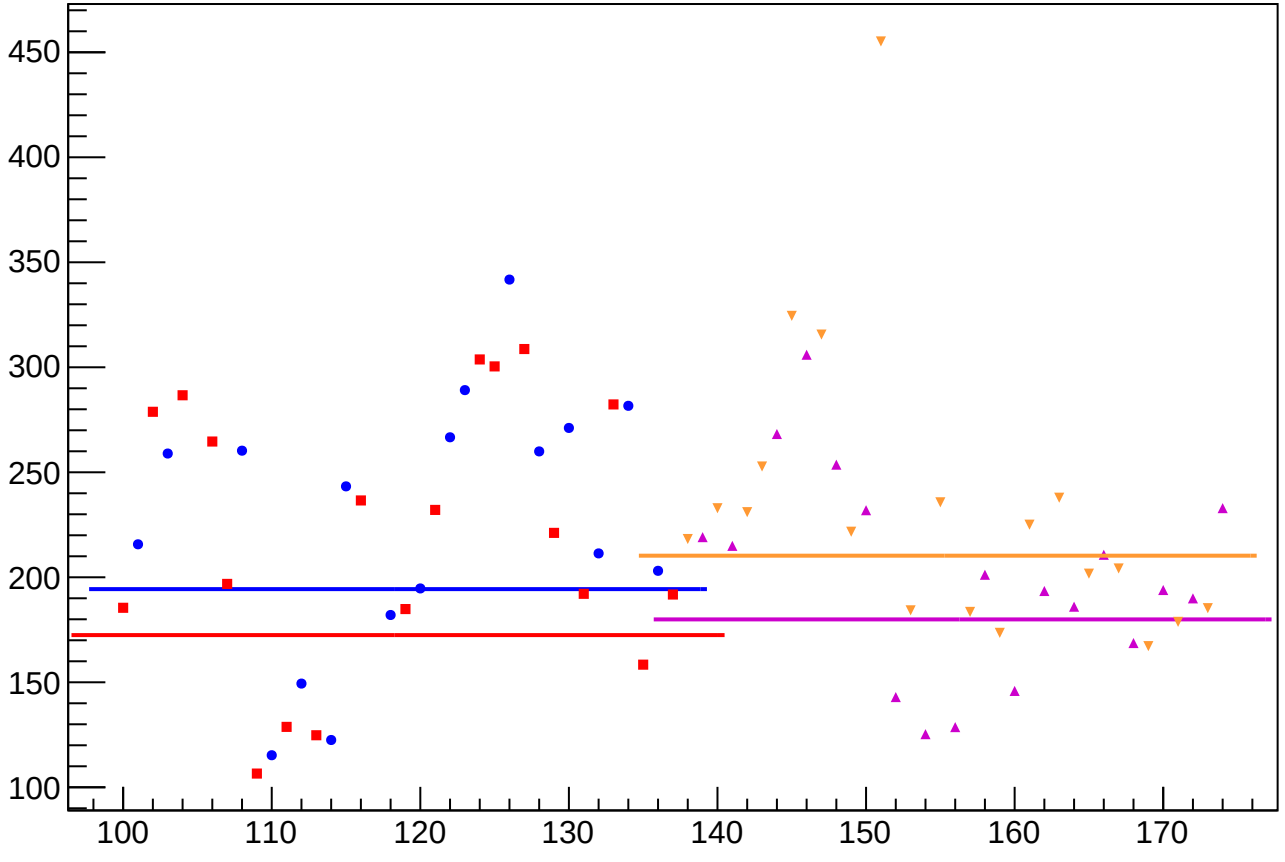
Right: 33.329+/-52.718 χ^2/NDF: 14.2/35

In: 41.644+/-42.760 χ^2/NDF:13.7/34

Out: 7.016+/-44.604 χ^2/NDF:10.8/37

All: 25.061+/-30.867 χ^2/NDF: 24.8/72

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.365+/-0.056 χ^2/NDF: 1005234.4/16

Left Out: 210.288+/-0.041 χ^2/NDF:1222696.1/18

Right Out: 172.471+/-0.050 χ^2/NDF: 1569648.4/18

Left In: 179.943+/-0.036 χ^2/NDF:1599001.8/17

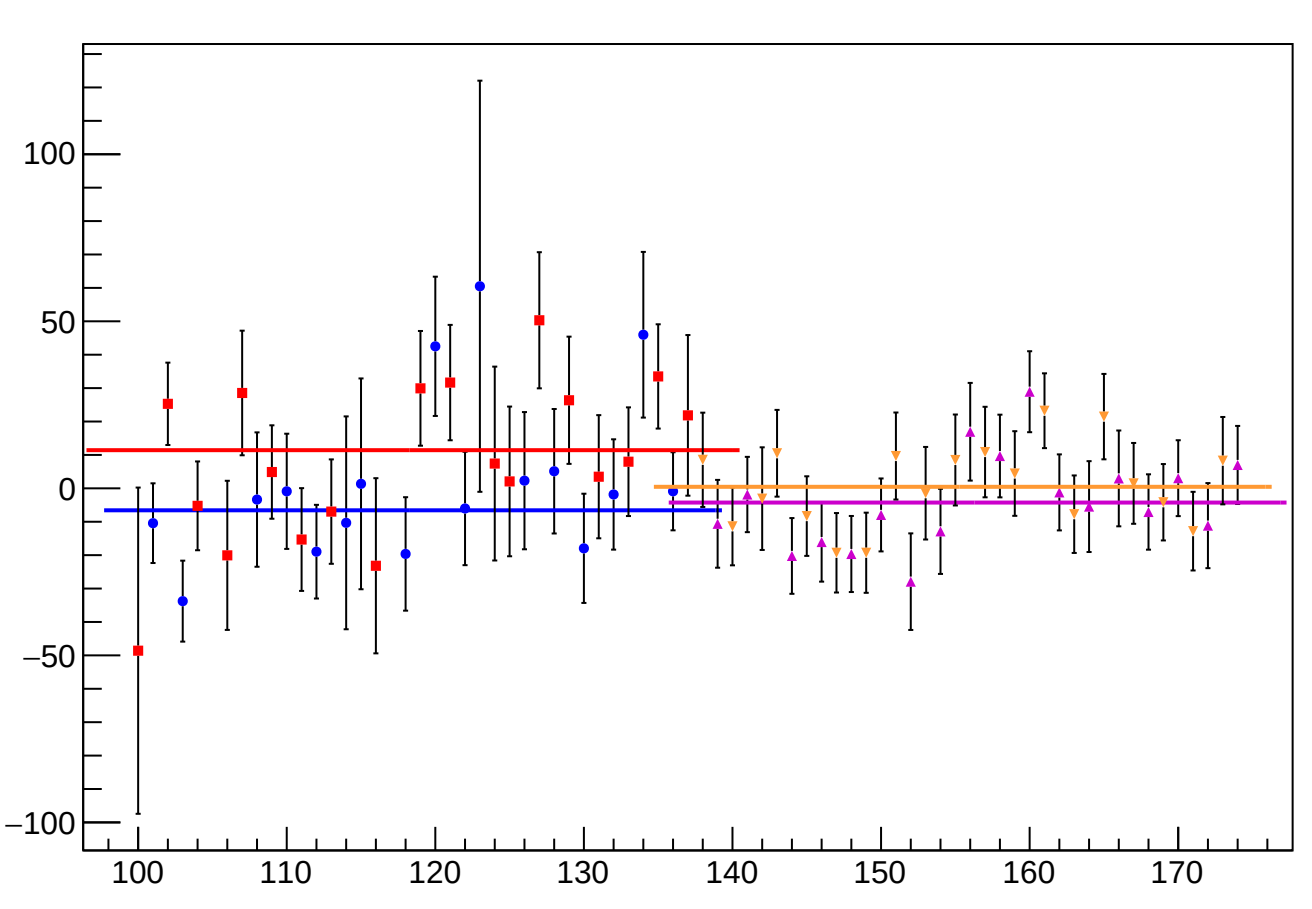
Left: 193.132+/-0.027 χ^2/NDF: 3133828.7/36

Right: 182.022+/-0.037 χ^2/NDF: 2659717.0/35

In: 184.082+/-0.030 χ^2/NDF:2650794.3/34

Out: 195.026+/-0.032 χ^2/NDF:3138376.8/37

All: 189.323+/-0.022 χ^2/NDF: 5851911.4/72



Right In: -6.575+/-4.157 χ^2/NDF: 19.3/16

Left Out: 0.457+/-2.877 χ^2/NDF:18.7/18

Right Out: 11.423+/-4.080 χ^2/NDF: 23.0/18

Left In: -4.259+/-2.878 χ^2/NDF:21.2/17

Left: -1.900+/-2.035 χ^2/NDF: 41.3/36

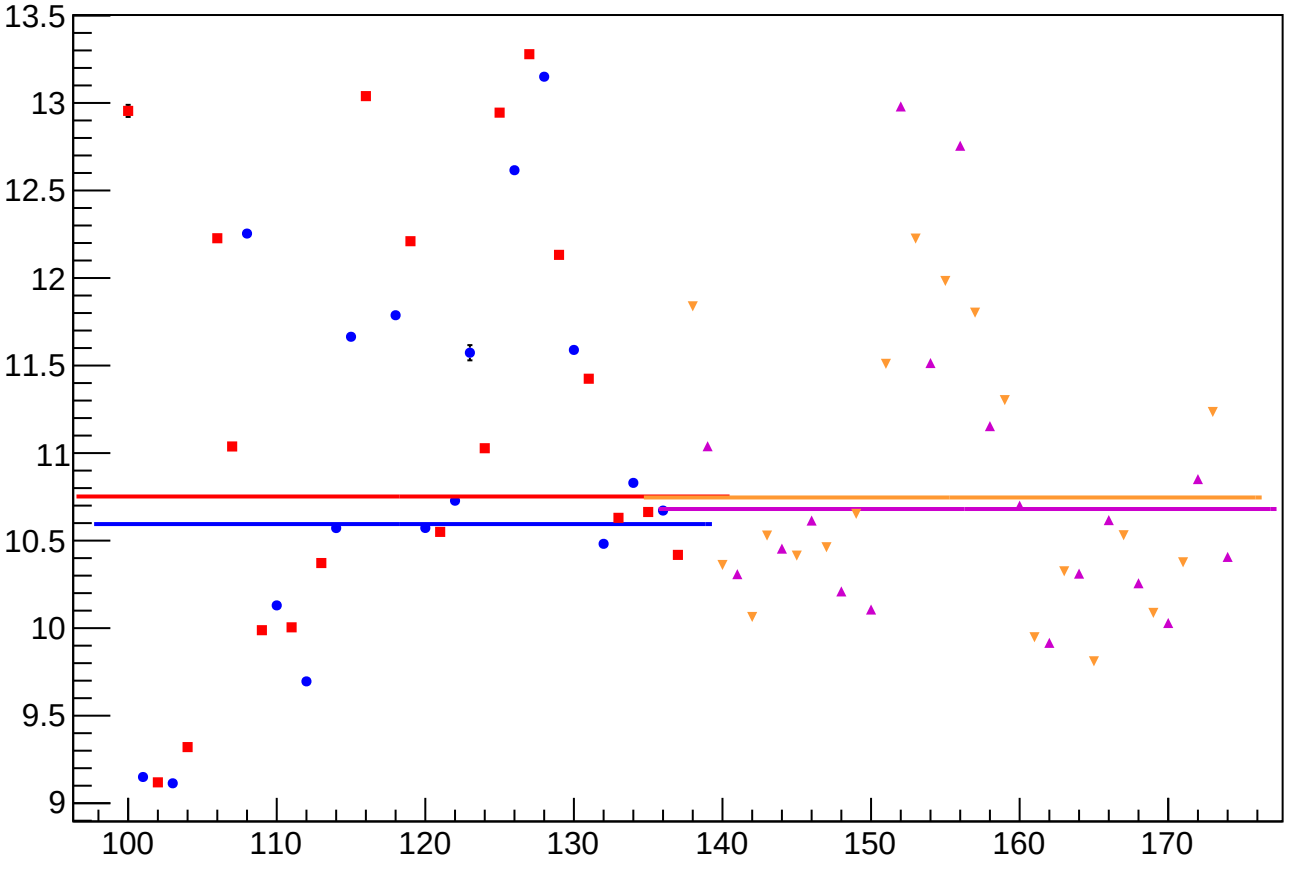
Right: 2.593+/-2.912 χ^2/NDF: 51.8/35

In: -5.010+/-2.366 χ^2/NDF:40.8/34

Out: 4.099+/-2.351 χ^2/NDF:46.5/37

All: -0.426+/-1.668 χ^2/NDF: 94.7/72

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594+/-0.003 χ^2/NDF: 160059.2/16

Left Out: 10.746+/-0.002 χ^2/NDF:119237.6/18

Right Out: 10.752+/-0.003 χ^2/NDF: 177173.0/18

Left In: 10.681+/-0.002 χ^2/NDF:137261.1/17

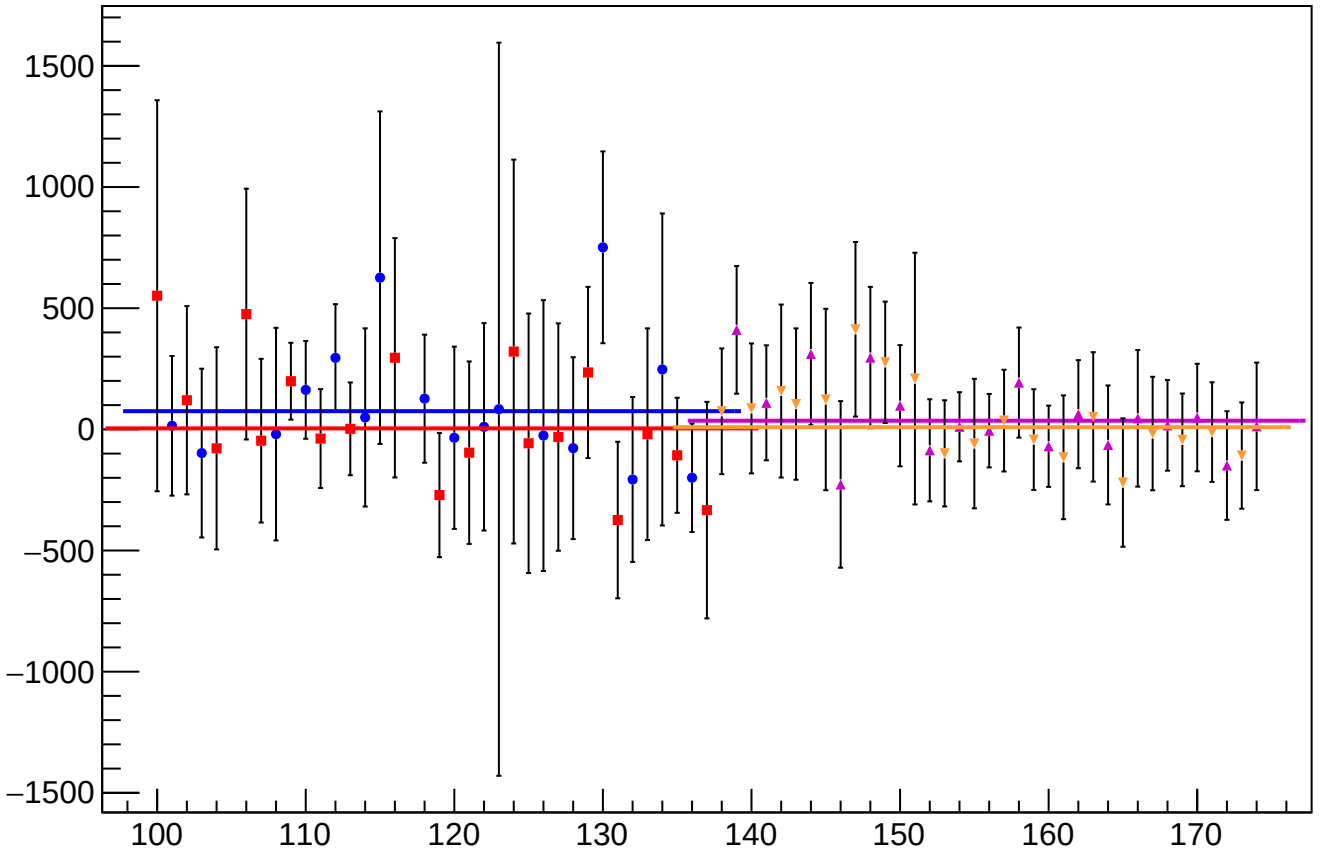
Left: 10.714+/-0.001 χ^2/NDF: 257023.0/36

Right: 10.675+/-0.002 χ^2/NDF: 338695.4/35

In: 10.653+/-0.002 χ^2/NDF:297899.7/34

Out: 10.748+/-0.002 χ^2/NDF:296413.1/37

All: 10.701+/-0.001 χ^2/NDF: 595956.6/72



Right In: 75.086+/-80.352 χ^2/NDF: 7.7/16

Left Out: 8.922+/-58.158 χ^2/NDF:4.8/18

Right Out: 3.999+/-70.883 χ^2/NDF: 7.3/18

Left In: 35.612+/-51.127 χ^2/NDF:6.6/17

Left: 23.977+/-38.399 χ^2/NDF: 11.6/36

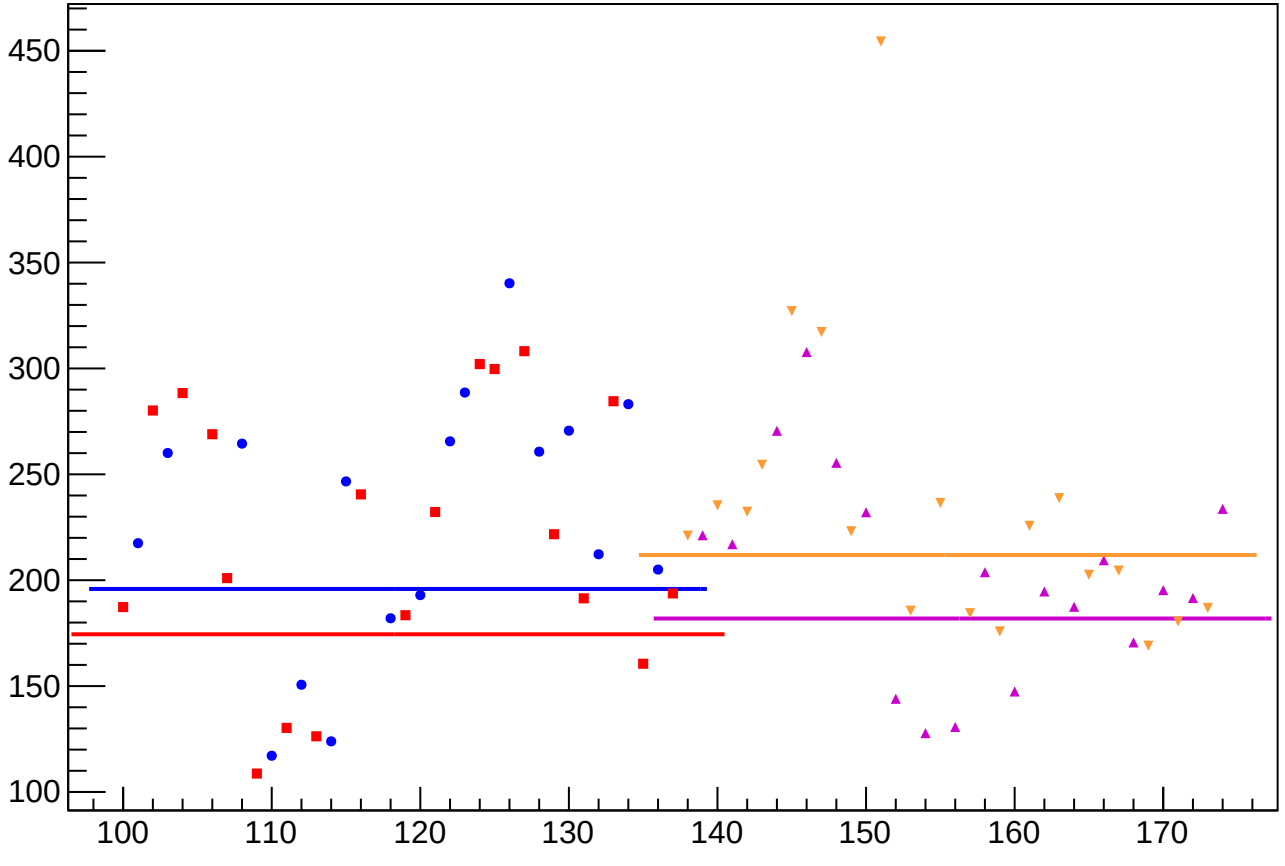
Right: 35.109+/-53.156 χ^2/NDF: 15.5/35

In: 46.988+/-43.135 χ^2/NDF:14.5/34

Out: 6.941+/-44.961 χ^2/NDF:12.2/37

All: 27.794+/-31.127 χ^2/NDF: 27.1/72

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869+/-0.057 χ^2/NDF: 979247.4/16

Left Out: 211.891+/-0.041 χ^2/NDF:1205273.5/18

Right Out: 174.465+/-0.050 χ^2/NDF: 1528778.5/18

Left In: 181.908+/-0.036 χ^2/NDF:1552282.0/17

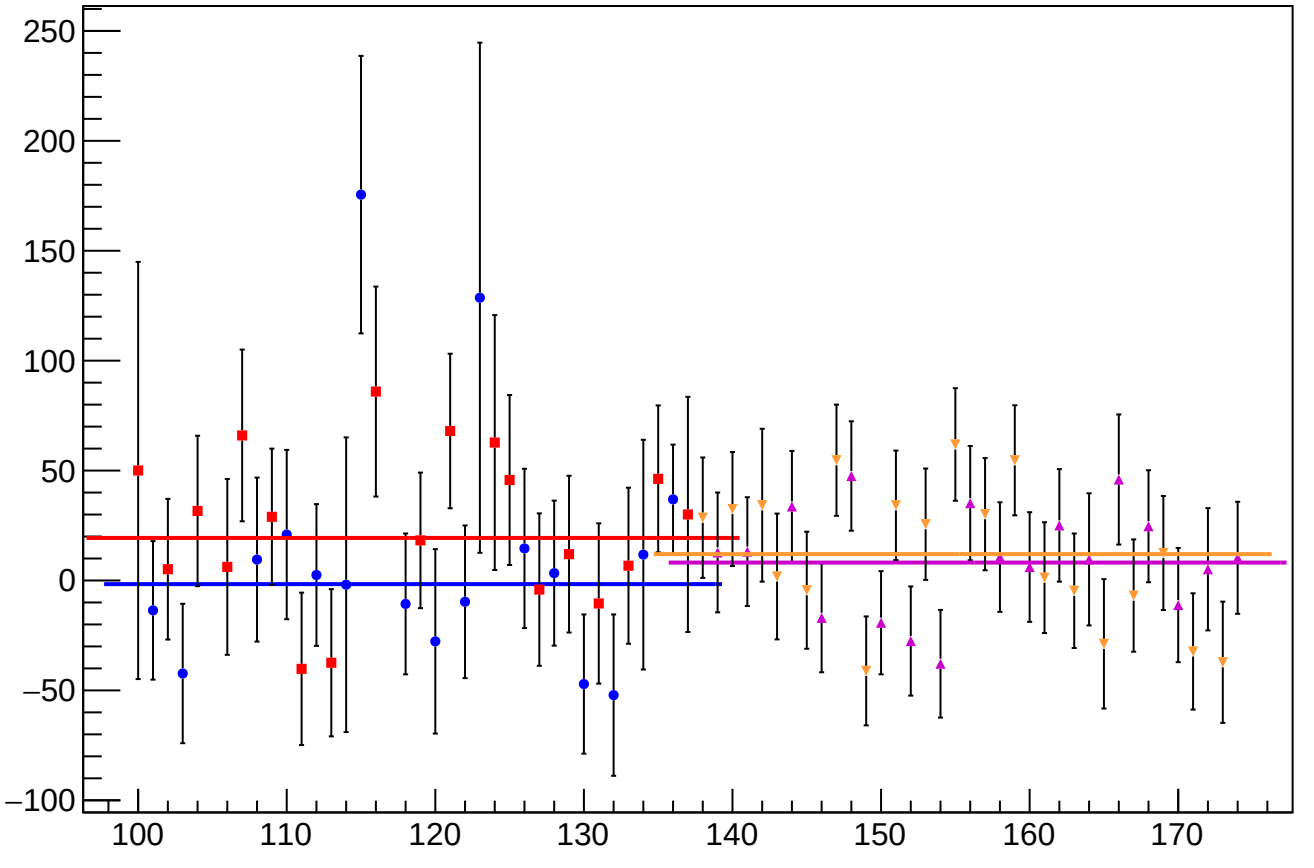
Left: 194.979+/-0.027 χ^2/NDF: 3057405.2/36

Right: 183.832+/-0.038 χ^2/NDF: 2587830.9/35

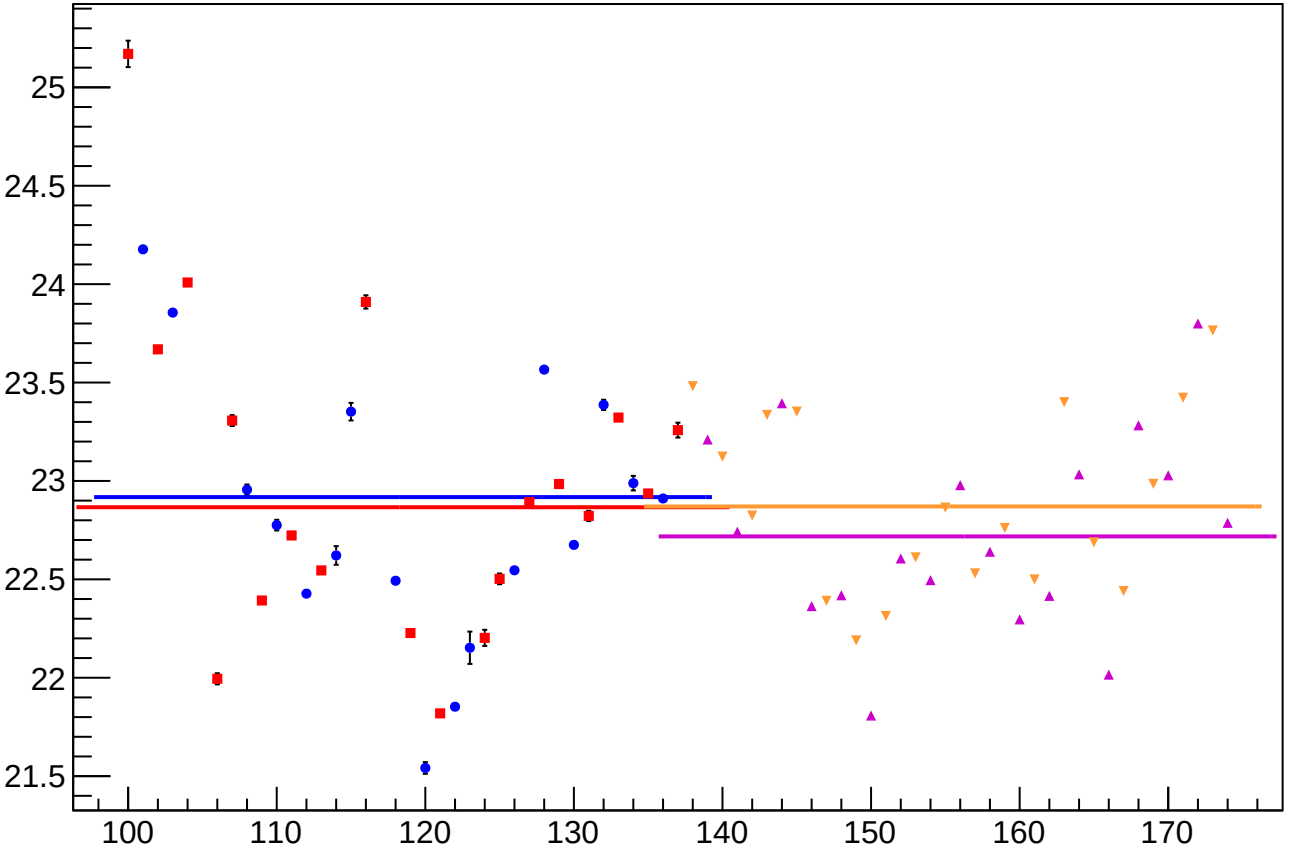
In: 185.931+/-0.031 χ^2/NDF:2574505.0/34

Out: 196.833+/-0.032 χ^2/NDF:3067286.2/37

All: 191.157+/-0.022 χ^2/NDF: 5703022.5/72


asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
110
120
130
140
150
160
170
Right In: -1.654+/-8.881 χ²/NDF: 18.5/16
Left Out: 11.999+/-6.056 χ²/NDF:26.7/18
Right Out: 19.357+/-8.556 χ²/NDF: 14.8/18
Left In: 8.150+/-6.061 χ²/NDF:15.7/17
Left: 10.076+/-4.284 χ²/NDF: 42.6/36
Right: 9.244+/-6.162 χ²/NDF: 36.2/35
In: 5.035+/-5.006 χ²/NDF:35.1/34
Out: 14.455+/-4.943 χ²/NDF:41.9/37
All: 9.805+/-3.517 χ²/NDF: 78.9/72

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.918+/-0.006 χ^2/NDF: 11472.2/16

Left Out: 22.870+/-0.004 χ^2/NDF:11120.2/18

Right Out: 22.866+/-0.006 χ^2/NDF: 11052.6/18

Left In: 22.718+/-0.004 χ^2/NDF:12730.4/17

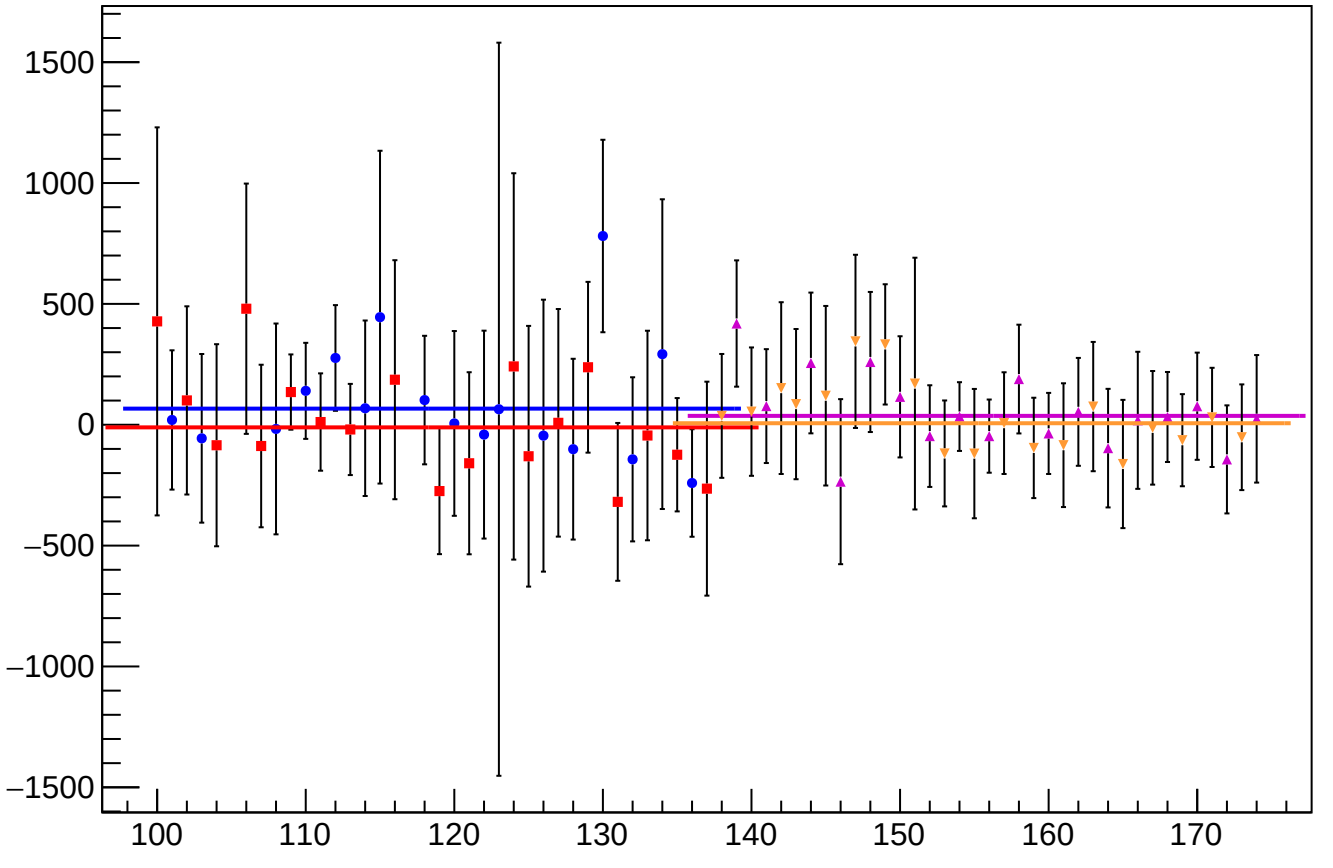
Left: 22.794+/-0.003 χ^2/NDF: 24481.9/36

Right: 22.891+/-0.004 χ^2/NDF: 22559.6/35

In: 22.782+/-0.004 χ^2/NDF:24893.0/34

Out: 22.869+/-0.003 χ^2/NDF:22173.0/37

All: 22.826+/-0.002 χ^2/NDF: 47374.9/72



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: 36.725+/-50.993 χ^2/NDF:6.2/17

Left: 23.452+/-38.306 χ^2/NDF: 11.0/36

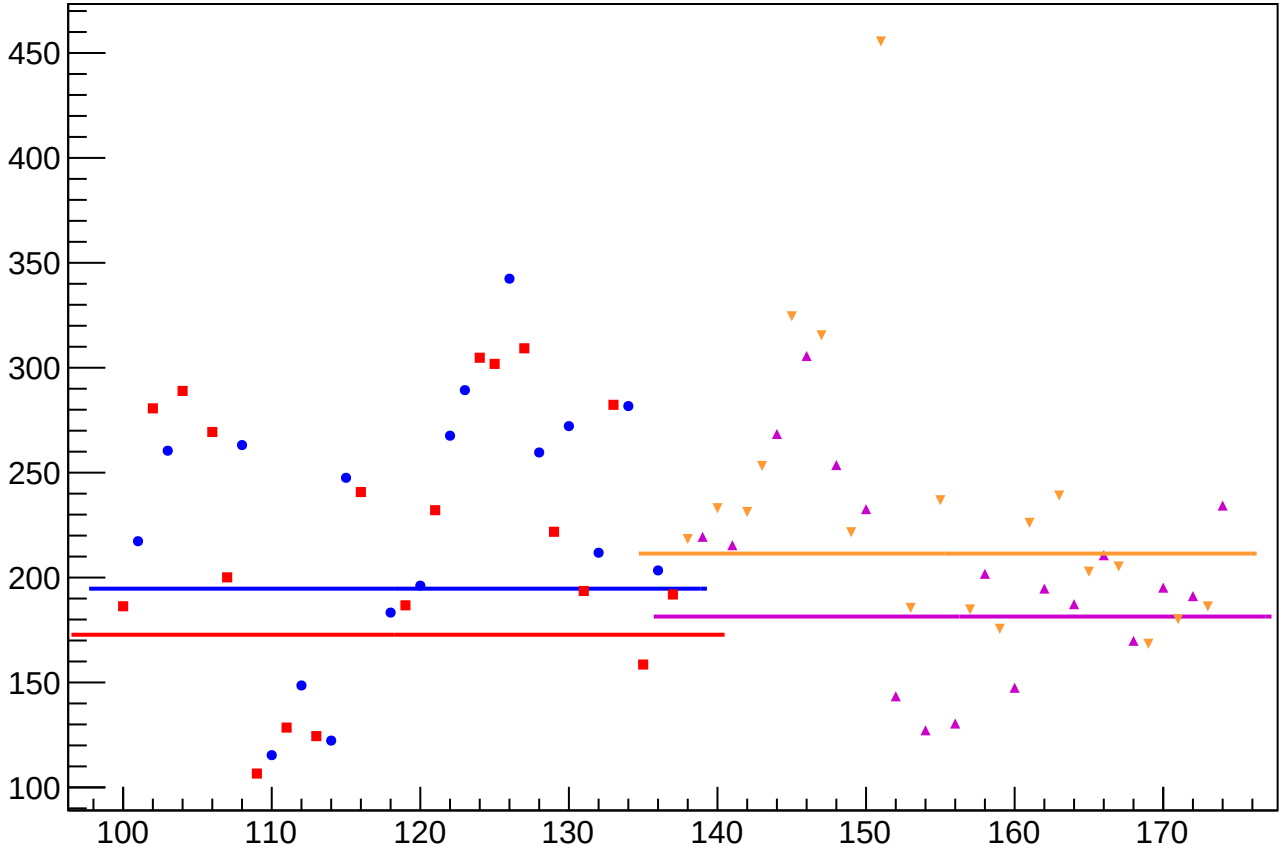
Right: 22.979+/-52.843 χ^2/NDF: 13.8/35

In: 45.386+/-43.000 χ^2/NDF:13.8/34

Out: -0.671+/-44.776 χ^2/NDF:10.4/37

All: 23.289+/-31.014 χ^2/NDF: 24.8/72

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: 181.418+/-0.036 χ^2/NDF:1545240.2/17

Left: 194.497+/-0.027 χ^2/NDF: 3044526.9/36

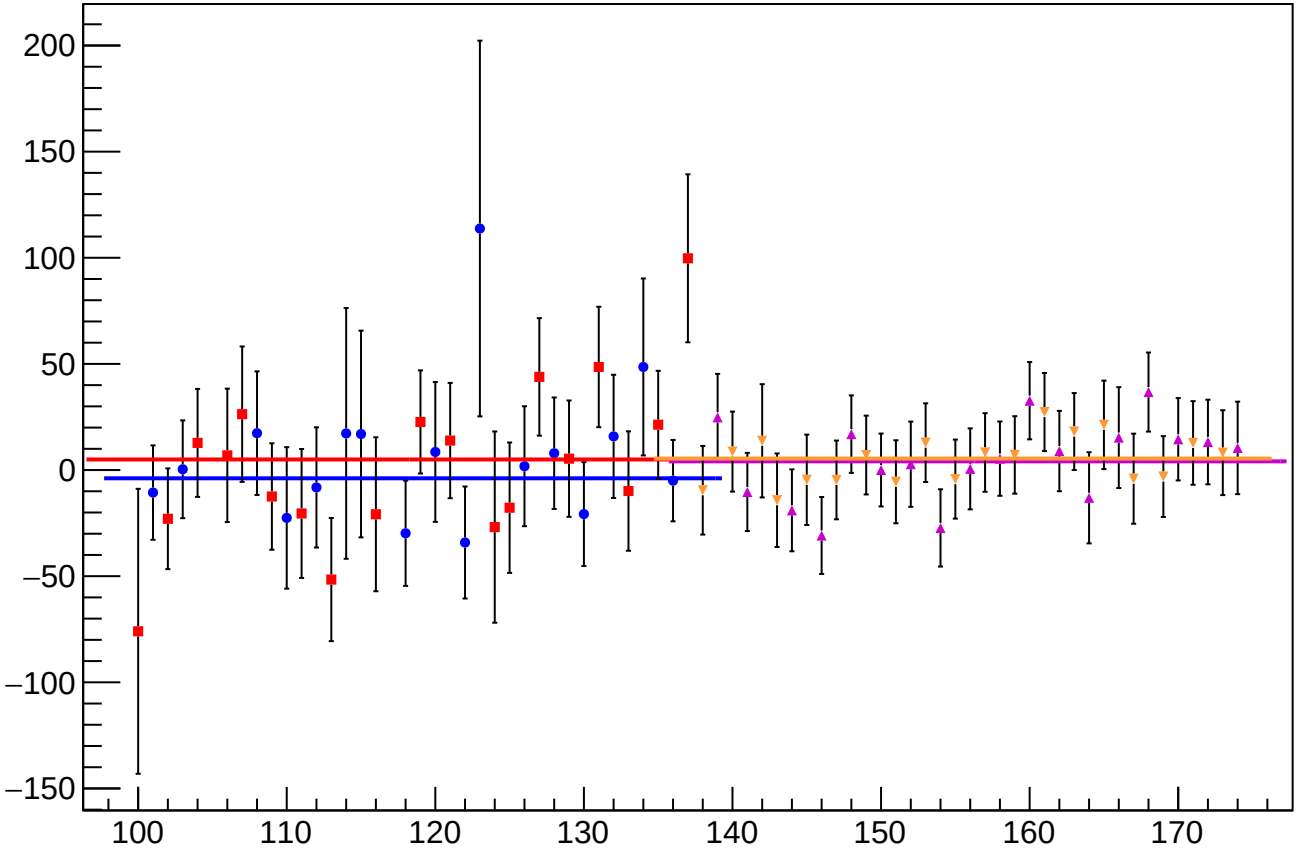
Right: 182.331+/-0.037 χ^2/NDF: 2701685.9/35

In: 185.257+/-0.030 χ^2/NDF:2604330.9/34

Out: 195.781+/-0.032 χ^2/NDF:3153887.6/37

All: 190.306+/-0.022 χ^2/NDF: 5815701.8/72

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: 4.095+/-4.523 χ^2/NDF:17.4/17

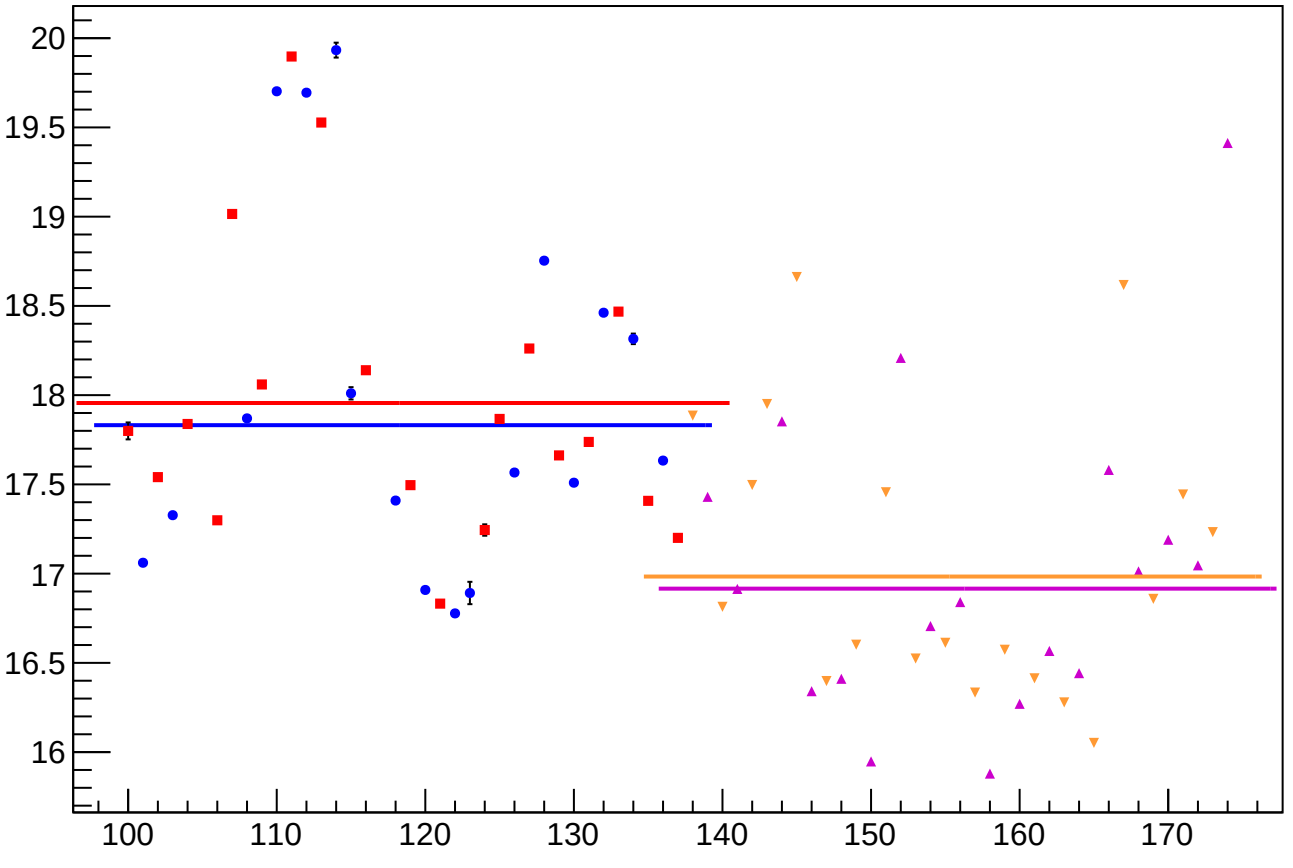
Left: 4.756+/-3.192 χ^2/NDF: 23.2/36

Right: 0.668+/-4.822 χ^2/NDF: 30.6/35

In: 1.701+/-3.785 χ^2/NDF:26.7/34

Out: 5.279+/-3.743 χ^2/NDF:27.1/37

All: 3.510+/-2.662 χ^2/NDF: 54.3/72



Right In: 17.832+/-0.005 χ^2/NDF: 30863.4/16

Left Out: 16.984+/-0.003 χ^2/NDF:52689.9/18

Right Out: 17.956+/-0.005 χ^2/NDF: 25448.9/18

Left In: 16.916+/-0.003 χ^2/NDF:63995.8/17

Left: 16.950+/-0.002 χ^2/NDF: 116911.4/36

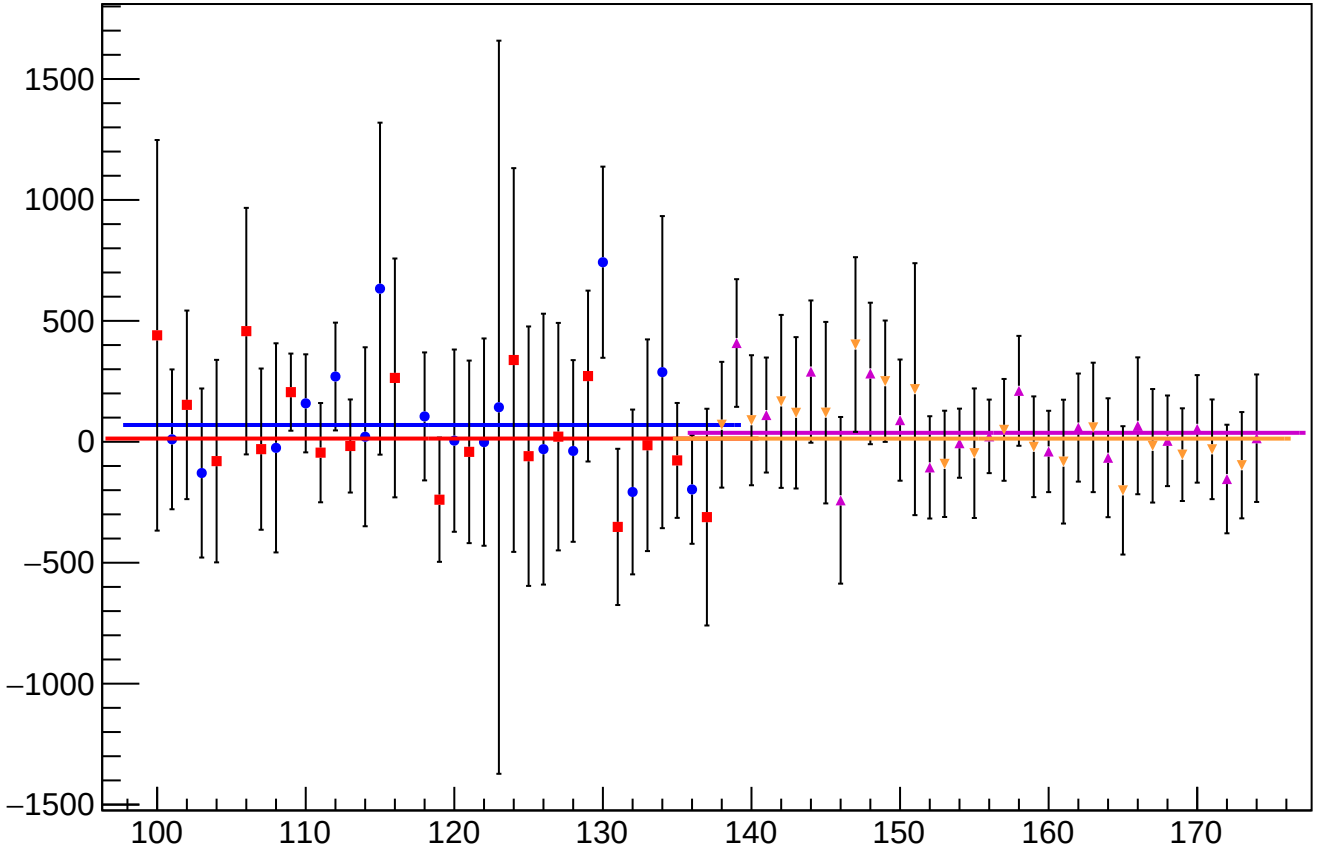
Right: 17.896+/-0.003 χ^2/NDF: 56643.8/35

In: 17.190+/-0.003 χ^2/NDF:119430.9/34

Out: 17.285+/-0.003 χ^2/NDF:106984.7/37

All: 17.238+/-0.002 χ^2/NDF: 227044.8/72

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 69.511+/-80.550 χ^2/NDF: 7.4/16

Left Out: 13.146+/-58.287 χ^2/NDF:4.3/18

Right Out: 13.410+/-71.041 χ^2/NDF: 6.7/18

Left In: 37.103+/-51.230 χ^2/NDF:6.5/17

Left: 26.662+/-38.480 χ^2/NDF: 10.9/36

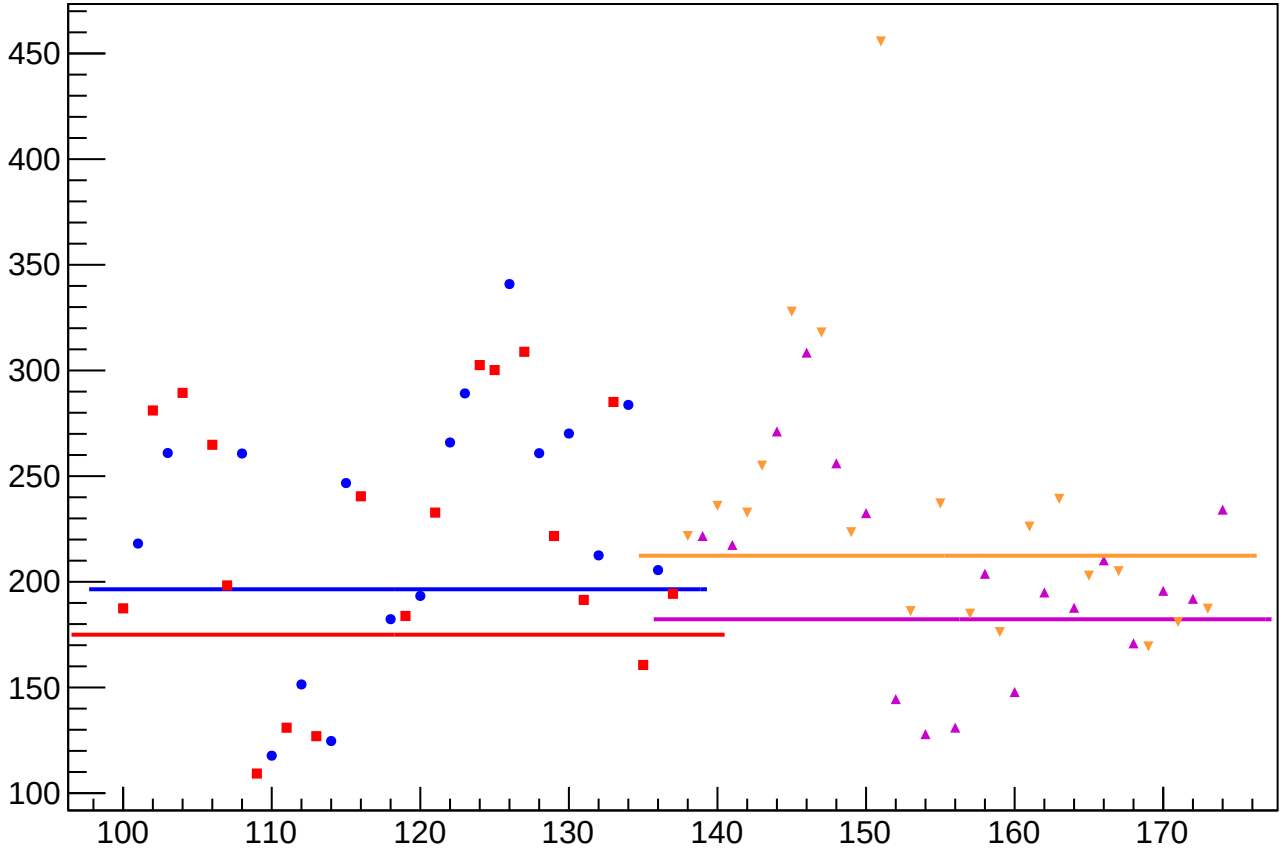
Right: 37.955+/-53.280 χ^2/NDF: 14.4/35

In: 46.437+/-43.228 χ^2/NDF:14.0/34

Out: 13.253+/-45.061 χ^2/NDF:11.0/37

All: 30.533+/-31.195 χ^2/NDF: 25.3/72

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: 182.276+/-0.036 χ^2/NDF:1552039.0/17

Left: 195.387+/-0.027 χ^2/NDF: 3058069.9/36

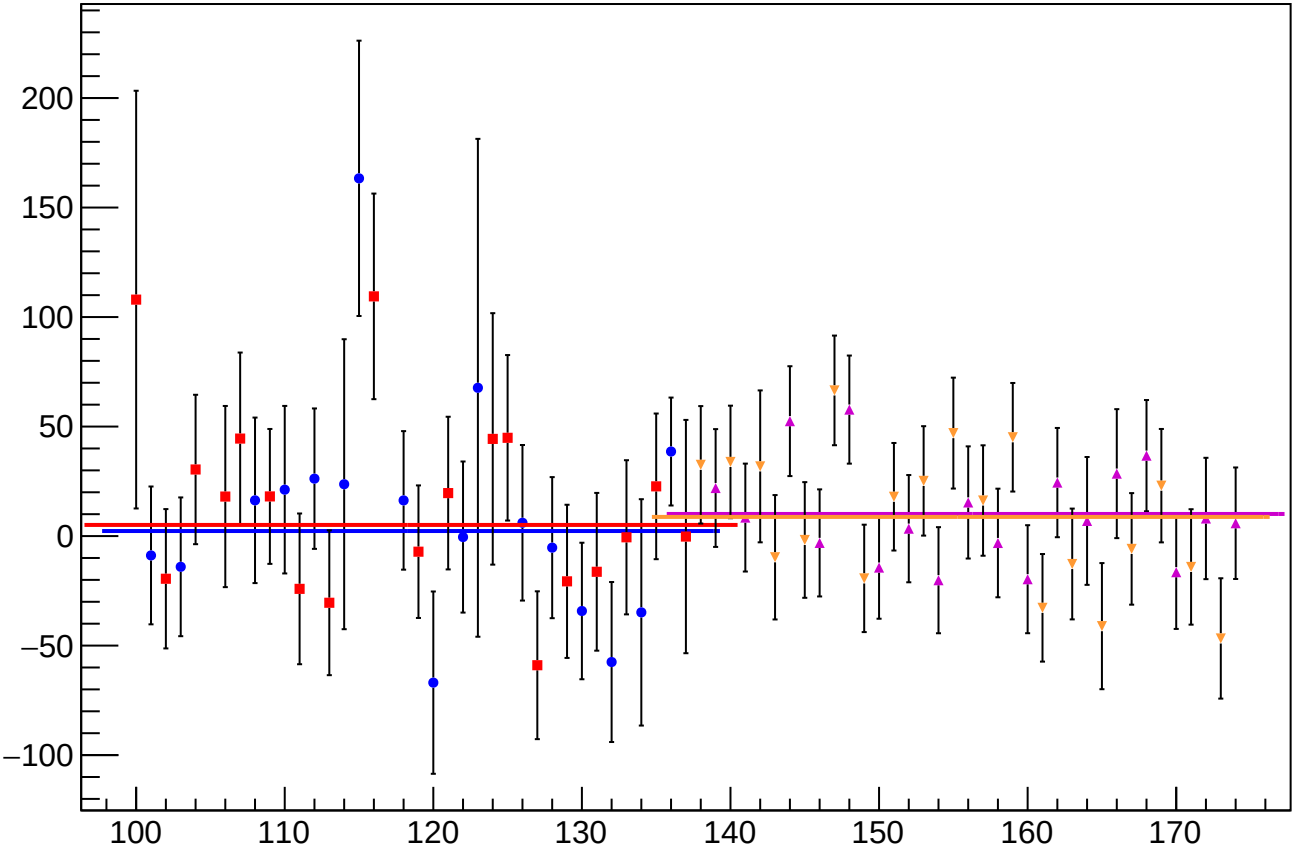
Right: 184.383+/-0.038 χ^2/NDF: 2555448.8/35

In: 186.364+/-0.031 χ^2/NDF:2560536.2/34

Out: 197.321+/-0.032 χ^2/NDF:3047478.3/37

All: 191.615+/-0.022 χ^2/NDF: 5669587.3/72

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307+/-8.805 χ^2/NDF: 18.1/16

Left Out: 8.749+/-5.985 χ^2/NDF:26.5/18

Right Out: 5.089+/-8.479 χ^2/NDF: 17.1/18

Left In: 10.099+/-6.002 χ^2/NDF:14.5/17

Left: 9.422+/-4.238 χ^2/NDF: 41.1/36

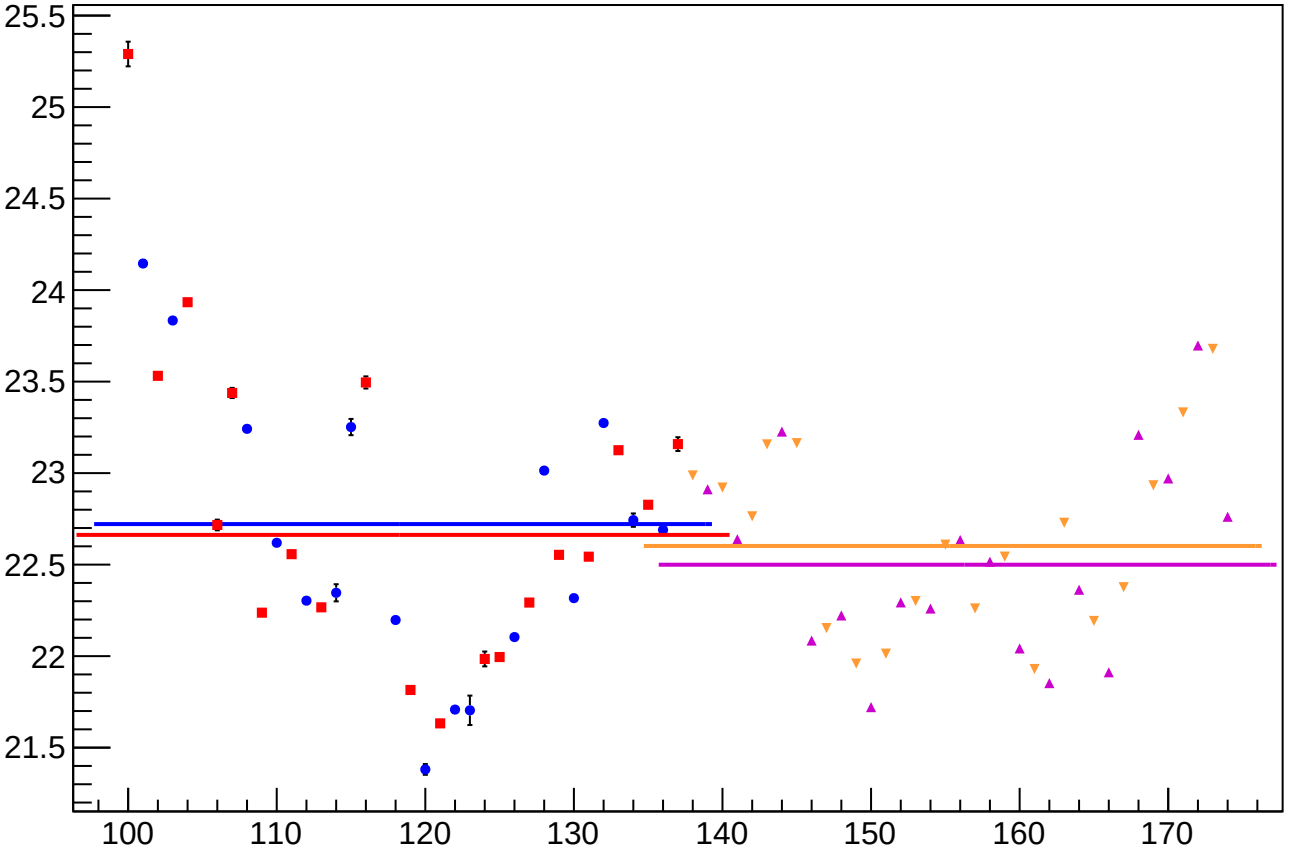
Right: 3.750+/-6.108 χ^2/NDF: 35.3/35

In: 7.627+/-4.959 χ^2/NDF:33.1/34

Out: 7.532+/-4.890 χ^2/NDF:43.8/37

All: 7.579+/-3.482 χ^2/NDF: 77.0/72

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722+/-0.006 χ^2/NDF: 13580.6/16

Left Out: 22.602+/-0.004 χ^2/NDF:13313.1/18

Right Out: 22.662+/-0.006 χ^2/NDF: 12955.6/18

Left In: 22.500+/-0.004 χ^2/NDF:14706.9/17

Left: 22.551+/-0.003 χ^2/NDF: 28312.1/36

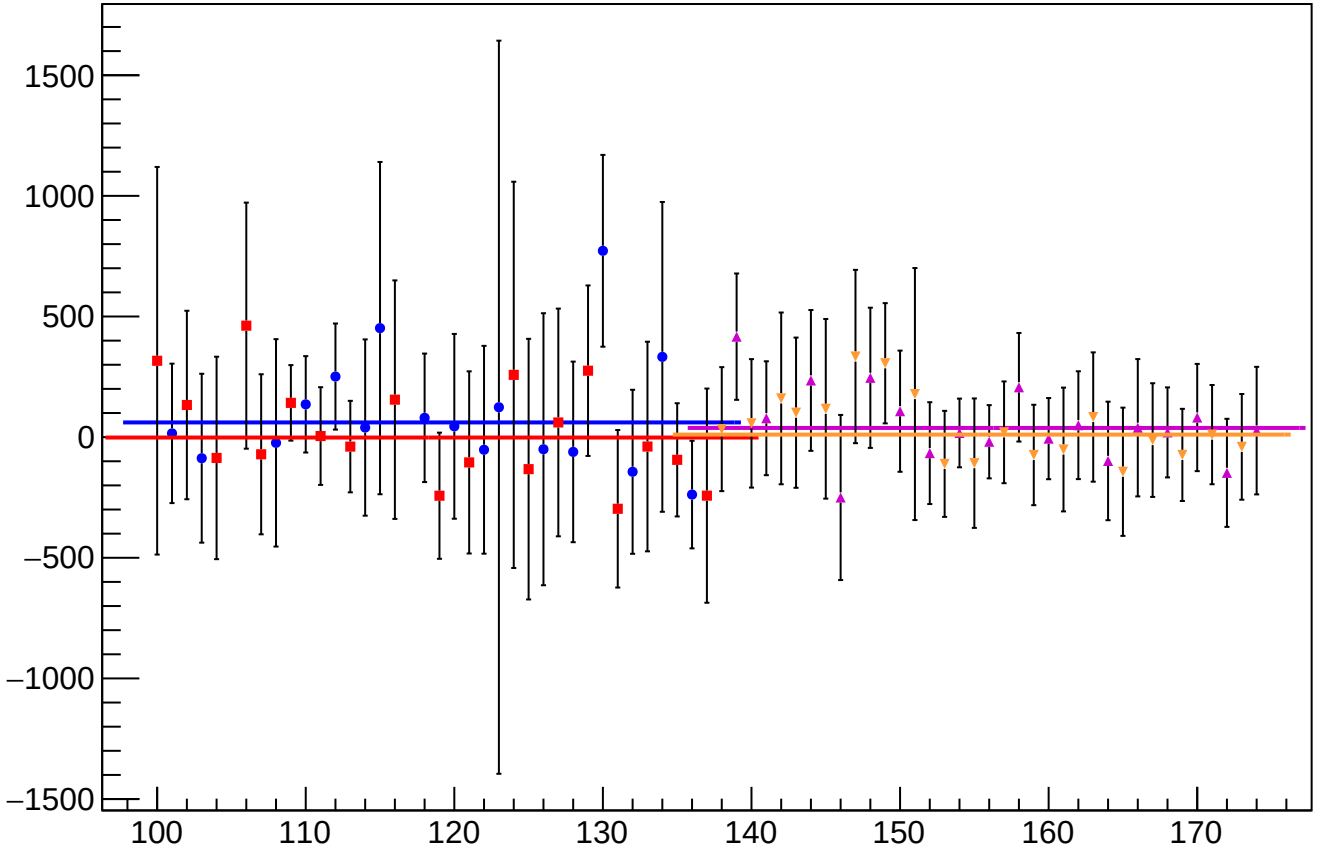
Right: 22.691+/-0.004 χ^2/NDF: 26582.8/35

In: 22.570+/-0.004 χ^2/NDF:29155.6/34

Out: 22.622+/-0.003 χ^2/NDF:26336.6/37

All: 22.596+/-0.002 χ^2/NDF: 55604.2/72

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 60.960+/-80.197 χ^2/NDF: 7.2/16

Left Out: 10.541+/-58.161 χ^2/NDF:4.1/18

Right Out: -1.647+/-70.549 χ^2/NDF: 5.2/18

Left In: 38.159+/-51.097 χ^2/NDF:6.0/17

Left: 26.128+/-38.387 χ^2/NDF: 10.2/36

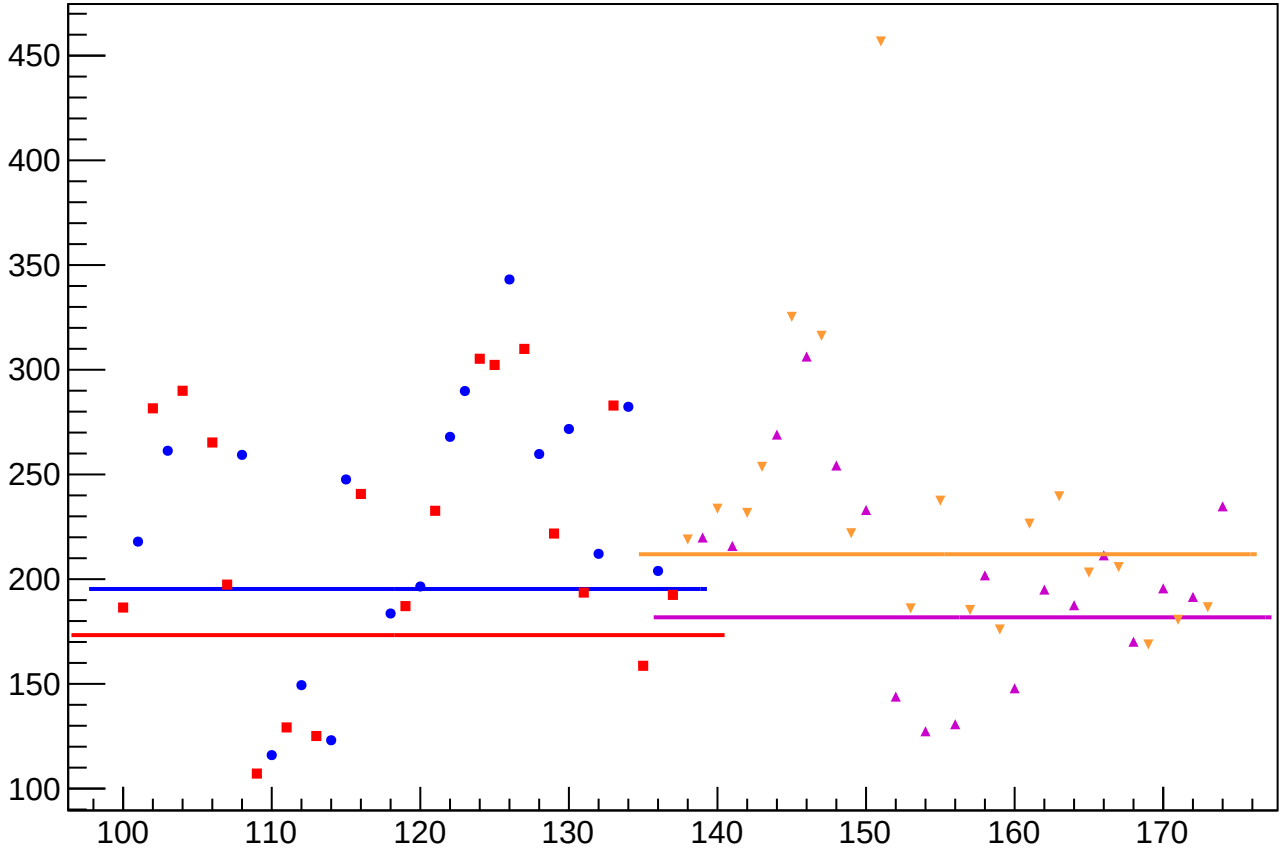
Right: 25.666+/-52.970 χ^2/NDF: 12.7/35

In: 44.742+/-43.093 χ^2/NDF:13.2/34

Out: 5.609+/-44.877 χ^2/NDF:9.3/37

All: 25.969+/-31.083 χ^2/NDF: 22.9/72

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: 181.785+/-0.036 χ^2/NDF:1545093.5/17

Left: 194.904+/-0.027 χ^2/NDF: 3045311.7/36

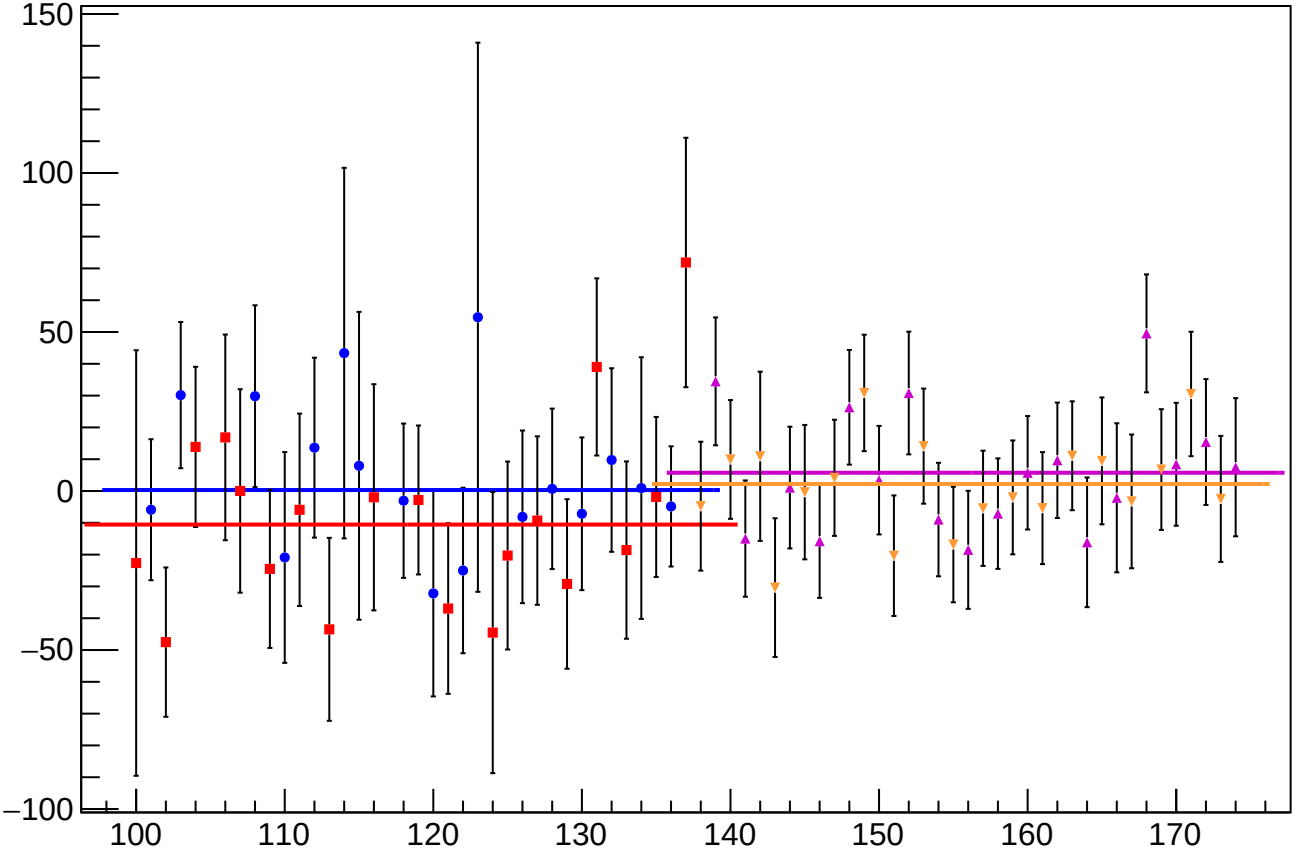
Right: 182.896+/-0.037 χ^2/NDF: 2667678.3/35

In: 185.692+/-0.030 χ^2/NDF:2589799.0/34

Out: 196.276+/-0.032 χ^2/NDF:3132699.7/37

All: 190.769+/-0.022 χ^2/NDF: 5780379.0/72

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305+/-6.812 χ^2/NDF: 6.8/16

Left Out: 2.215+/-4.410 χ^2/NDF:11.1/18

Right Out: -10.553+/-6.628 χ^2/NDF: 16.0/18

Left In: 5.743+/-4.447 χ^2/NDF:18.0/17

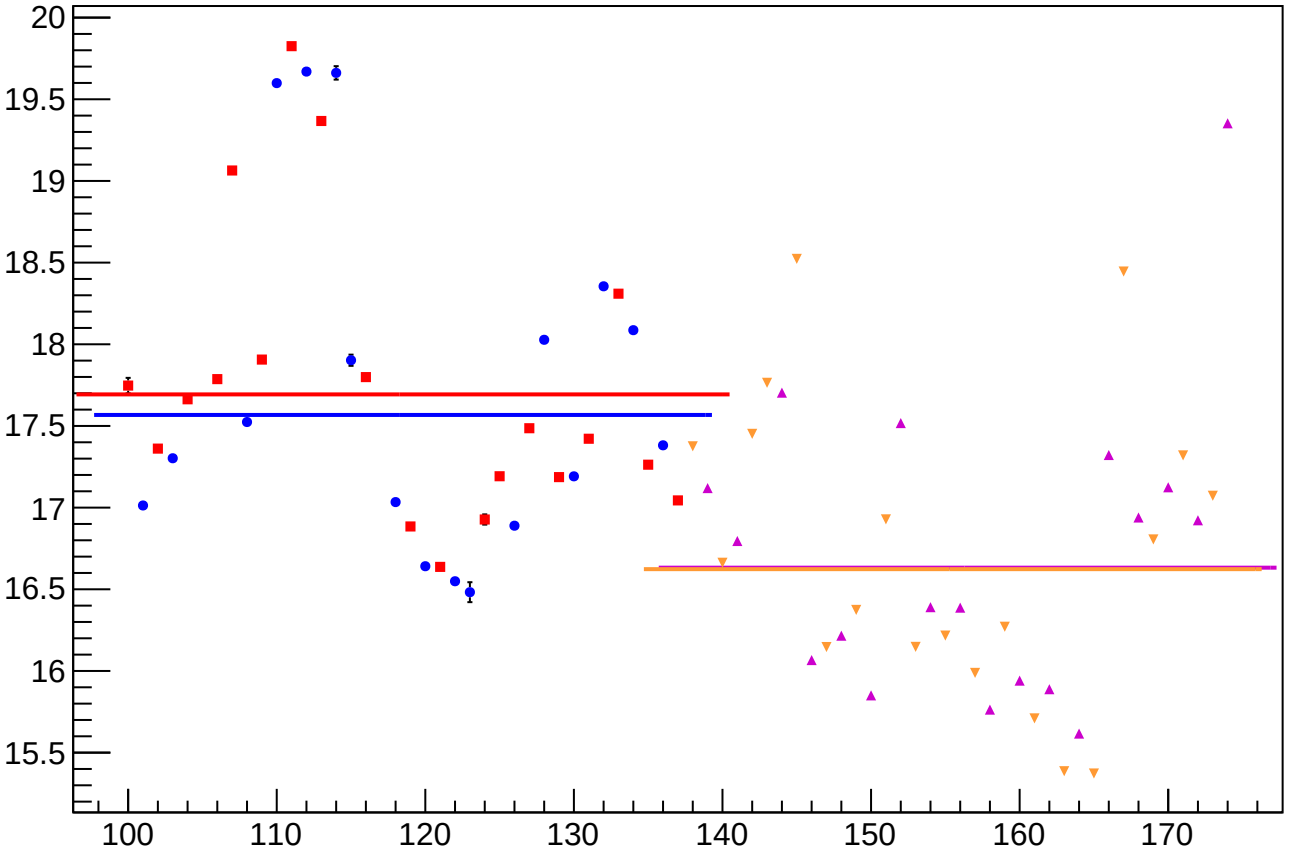
Left: 3.964+/-3.131 χ^2/NDF: 29.4/36

Right: -5.273+/-4.751 χ^2/NDF: 24.1/35

In: 4.118+/-3.724 χ^2/NDF:25.2/34

Out: -1.703+/-3.672 χ^2/NDF:29.8/37

All: 1.167+/-2.614 χ^2/NDF: 56.2/72



Right In: 17.567+/-0.005 χ^2/NDF: 33145.0/16

Left Out: 16.623+/-0.003 χ^2/NDF:76657.6/18

Right Out: 17.693+/-0.005 χ^2/NDF: 30767.1/18

Left In: 16.632+/-0.003 χ^2/NDF:71520.3/17

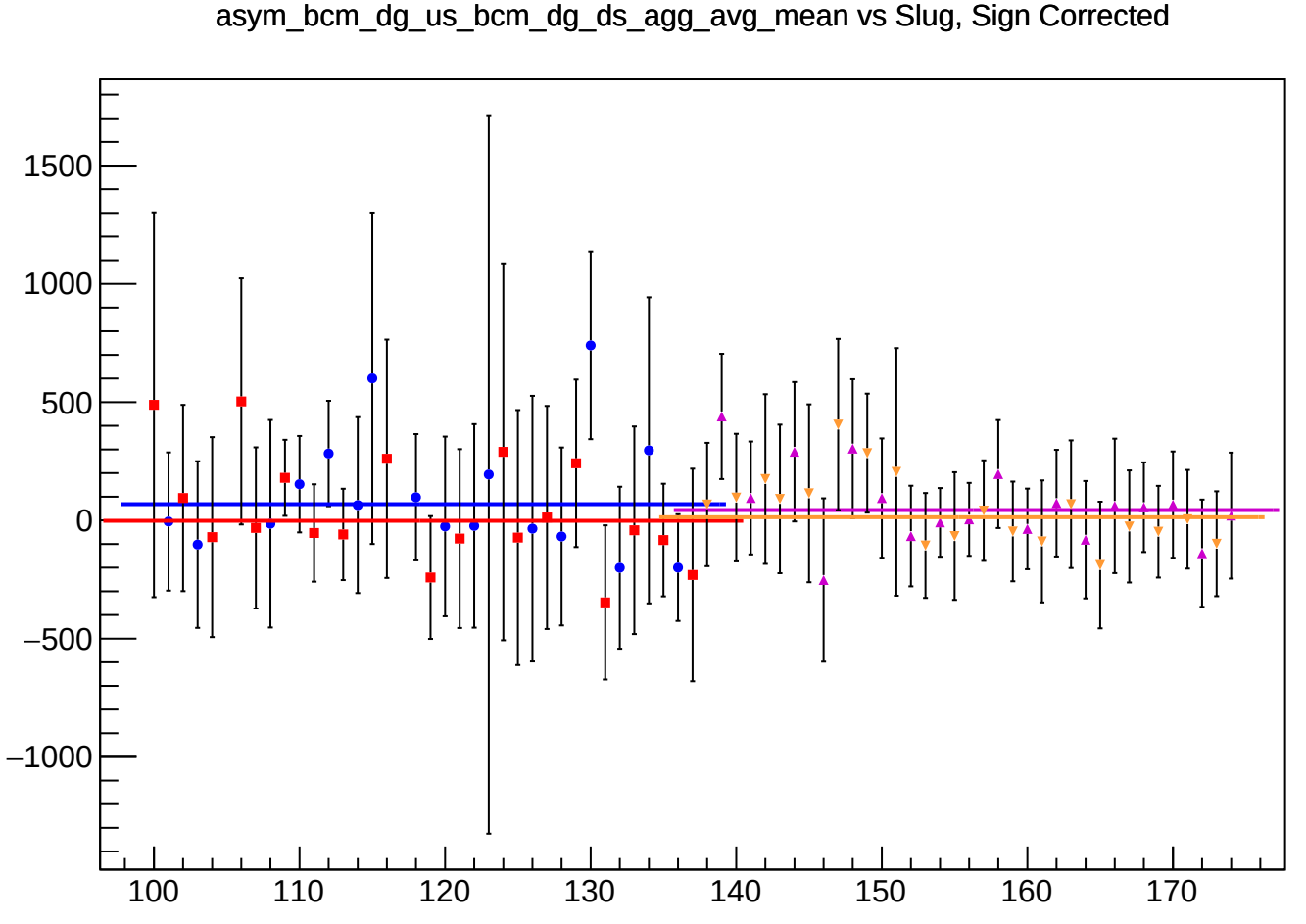
Left: 16.628+/-0.002 χ^2/NDF: 148182.1/36

Right: 17.632+/-0.003 χ^2/NDF: 64262.5/35

In: 16.912+/-0.003 χ^2/NDF:131083.5/34

Out: 16.952+/-0.003 χ^2/NDF:143546.5/37

All: 16.932+/-0.002 χ^2/NDF: 274746.2/72



Right In: 68.553+/-81.018 χ^2/NDF: 7.3/16

Left Out: 13.280+/-58.765 χ^2/NDF:4.6/18

Right Out: -1.831+/-71.538 χ^2/NDF: 6.1/18

Left In: 43.589+/-51.738 χ^2/NDF:6.6/17

Left: 30.354+/-38.832 χ^2/NDF: 11.3/36

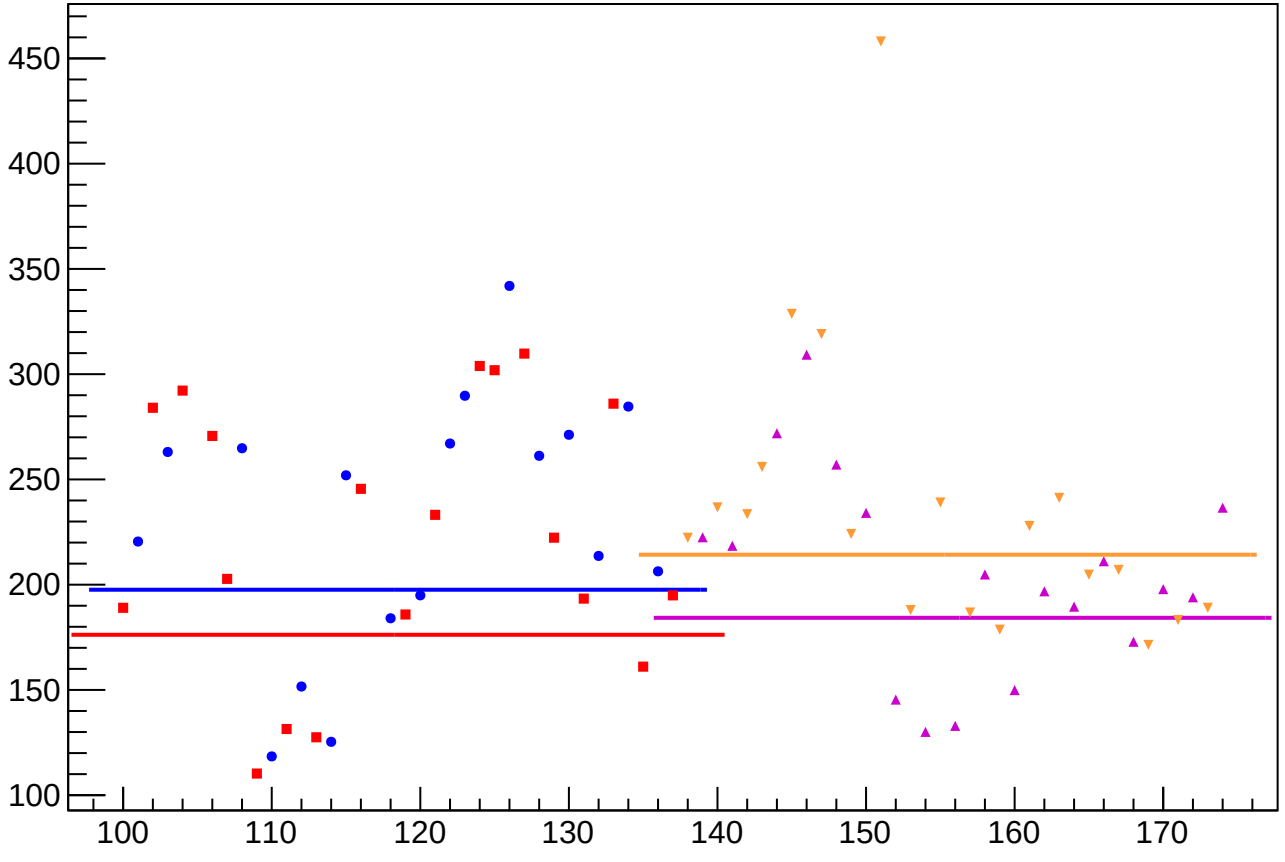
Right: 29.004+/-53.625 χ^2/NDF: 13.9/35

In: 50.820+/-43.605 χ^2/NDF:14.0/34

Out: 7.192+/-45.408 χ^2/NDF:10.7/37

All: 29.890+/-31.452 χ^2/NDF: 25.2/72

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.603+/-0.057 χ^2/NDF: 968827.8/16

Left Out: 214.237+/-0.042 χ^2/NDF:1179154.1/18

Right Out: 176.201+/-0.051 χ^2/NDF: 1519832.7/18

Left In: 184.263+/-0.037 χ^2/NDF:1507144.0/17

Left: 197.352+/-0.027 χ^2/NDF: 2979430.5/36

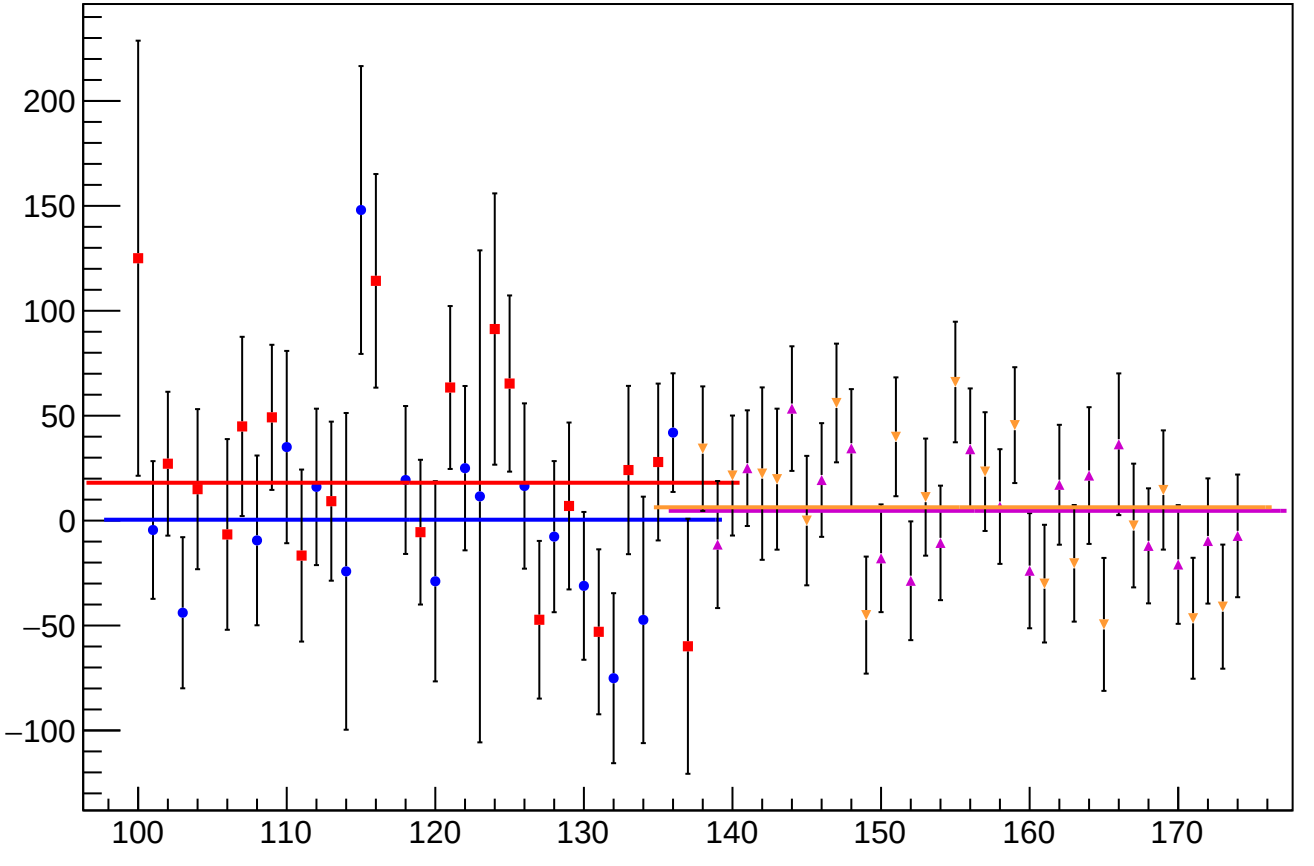
Right: 185.577+/-0.038 χ^2/NDF: 2567082.7/35

In: 188.127+/-0.031 χ^2/NDF:2514489.6/34

Out: 198.912+/-0.032 χ^2/NDF:3036578.7/37

All: 193.301+/-0.022 χ^2/NDF: 5609765.5/72

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427+/-9.884 χ^2/NDF: 15.5/16

Left Out: 6.350+/-6.738 χ^2/NDF:27.9/18

Right Out: 18.044+/-9.499 χ^2/NDF: 19.5/18

Left In: 4.663+/-6.735 χ^2/NDF:12.4/17

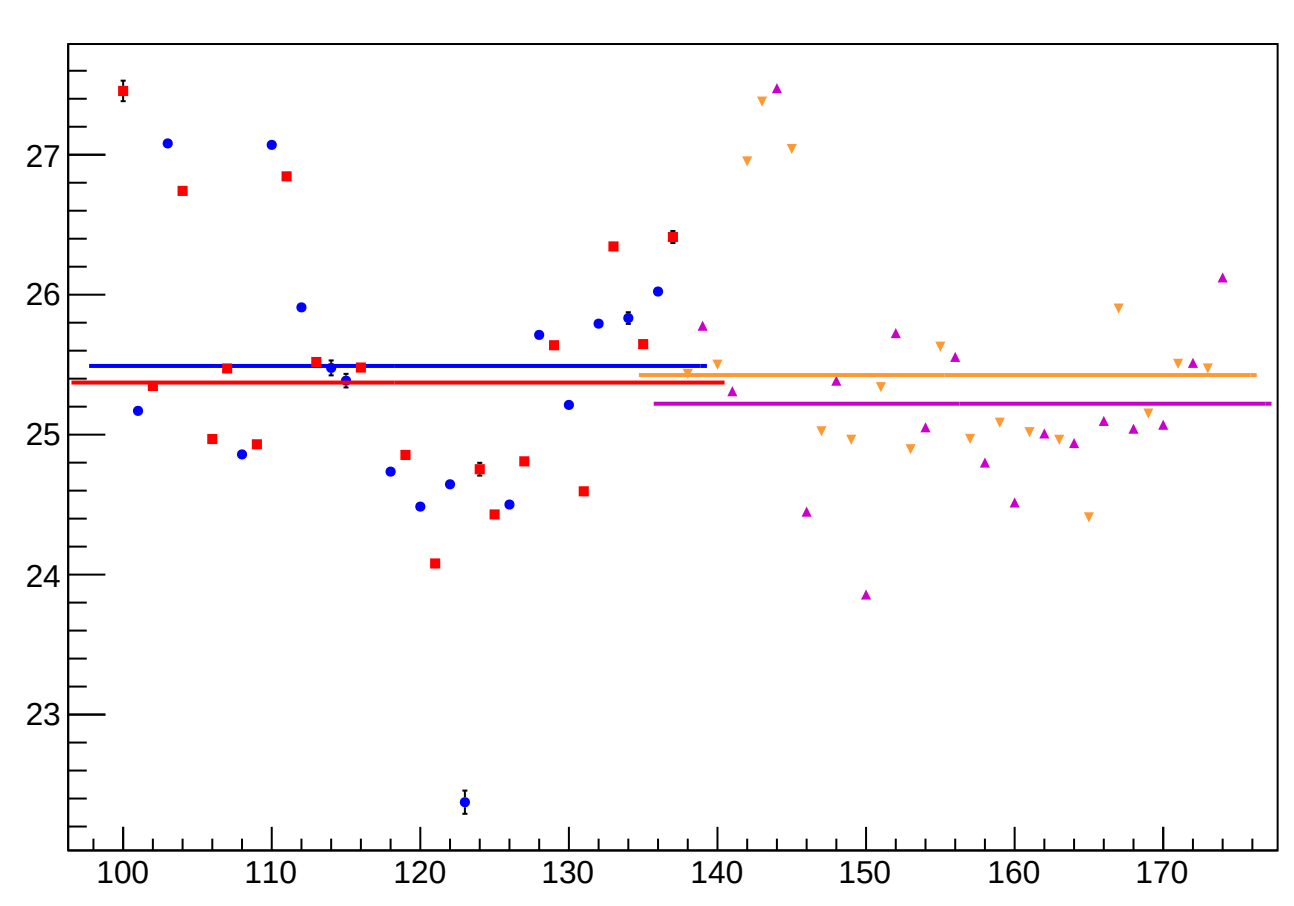
Left: 5.506+/-4.763 χ^2/NDF: 40.4/36

Right: 9.585+/-6.849 χ^2/NDF: 36.6/35

In: 3.320+/-5.566 χ^2/NDF:28.0/34

Out: 10.264+/-5.496 χ^2/NDF:48.4/37

All: 6.836+/-3.911 χ^2/NDF: 77.2/72



Right In: 25.491+/-0.007 χ^2/NDF: 13713.0/16

Left Out: 25.426+/-0.005 χ^2/NDF:21397.9/18

Right Out: 25.372+/-0.007 χ^2/NDF: 13550.5/18

Left In: 25.221+/-0.005 χ^2/NDF:24855.4/17

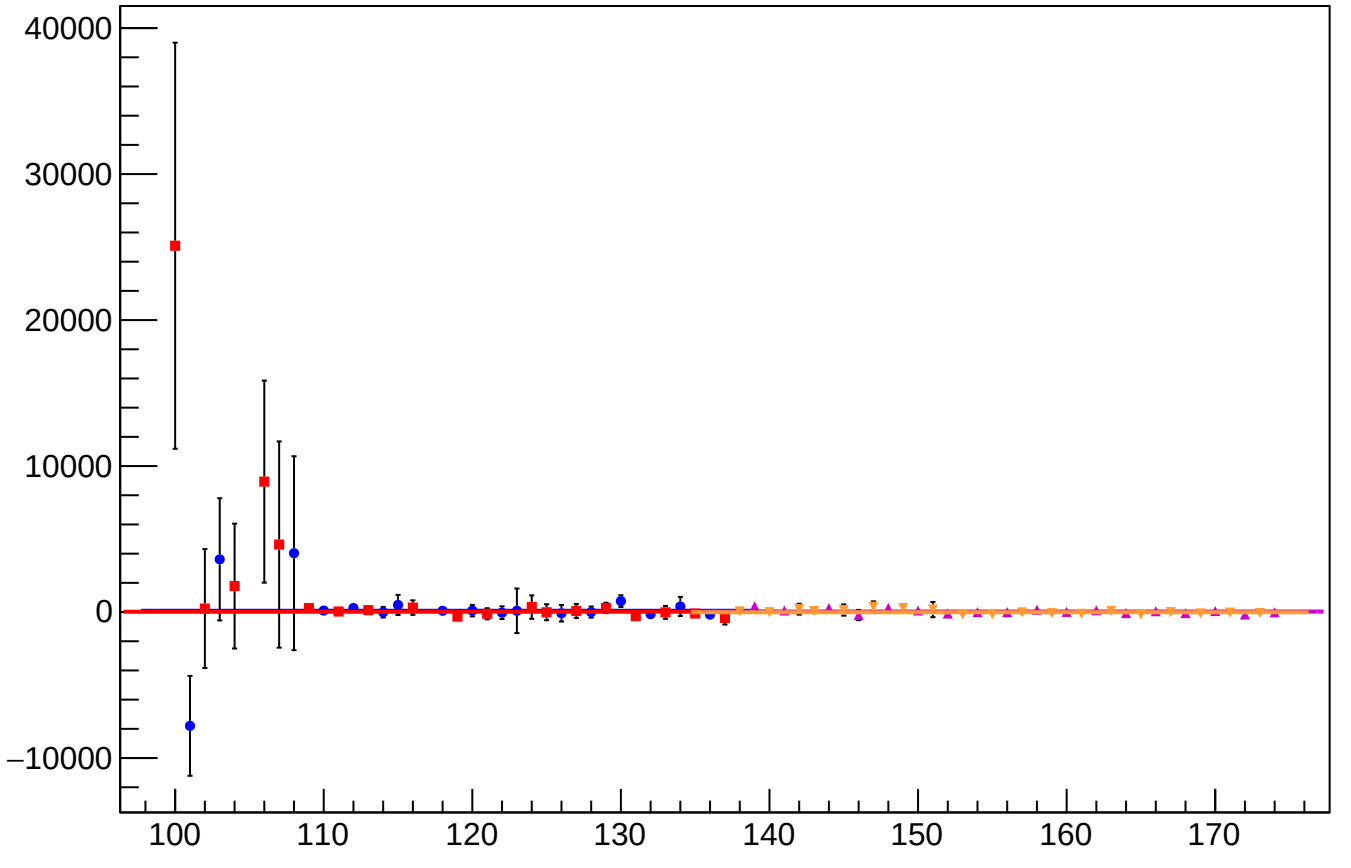
Left: 25.323+/-0.003 χ^2/NDF: 47178.0/36

Right: 25.429+/-0.005 χ^2/NDF: 27413.4/35

In: 25.307+/-0.004 χ^2/NDF:39586.6/34

Out: 25.408+/-0.004 χ^2/NDF:34990.9/37

All: 25.358+/-0.003 χ^2/NDF: 74913.1/72



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: 35.487+/-52.275 χ^2/NDF:6.4/17

Left: 12.770+/-39.175 χ^2/NDF: 11.5/36

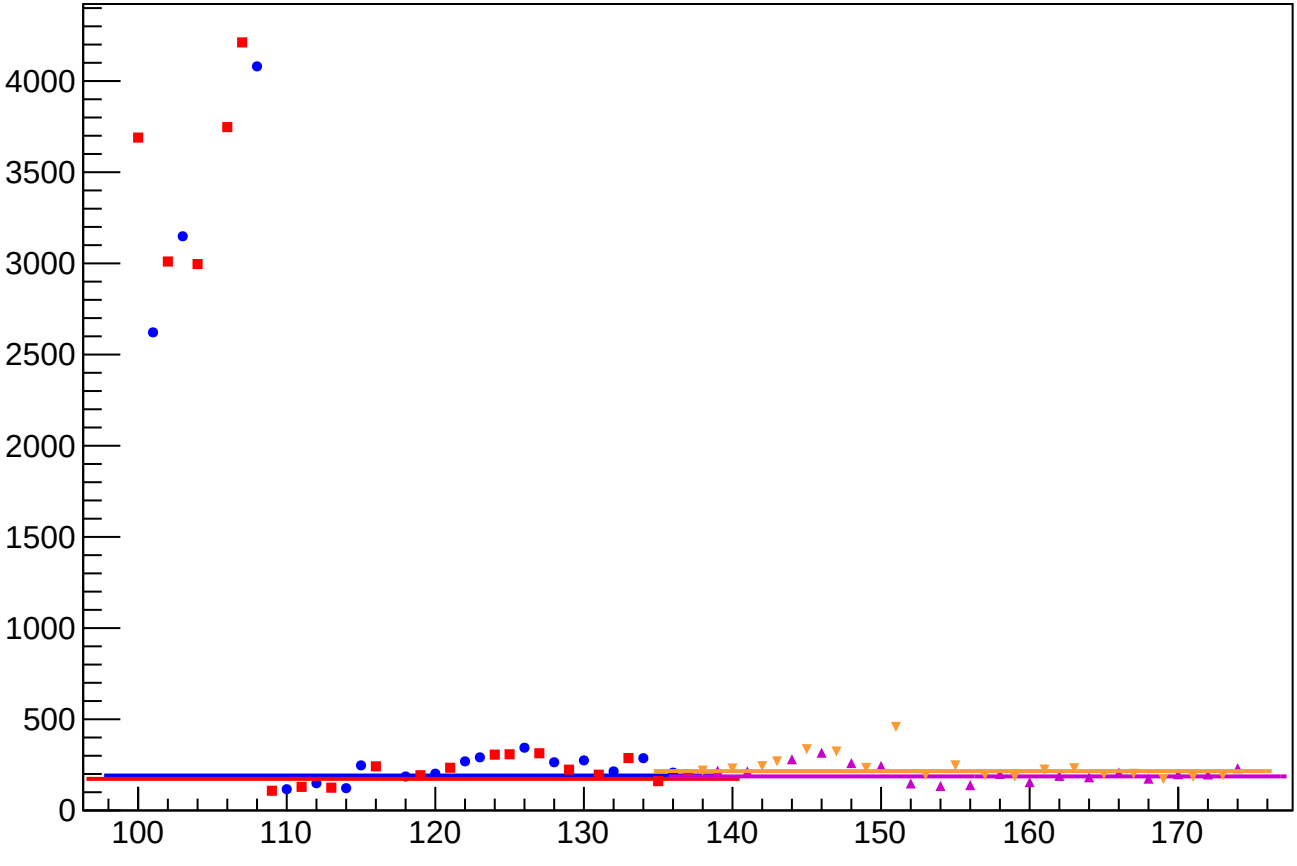
Right: 52.171+/-59.707 χ^2/NDF: 24.7/35

In: 48.714+/-44.999 χ^2/NDF:19.1/34

Out: -2.513+/-47.767 χ^2/NDF:16.8/37

All: 24.627+/-32.754 χ^2/NDF: 36.5/72

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: 186.699+/-0.037 χ^2/NDF:1381762.1/17

Left: 199.464+/-0.028 χ^2/NDF: 2829305.2/36

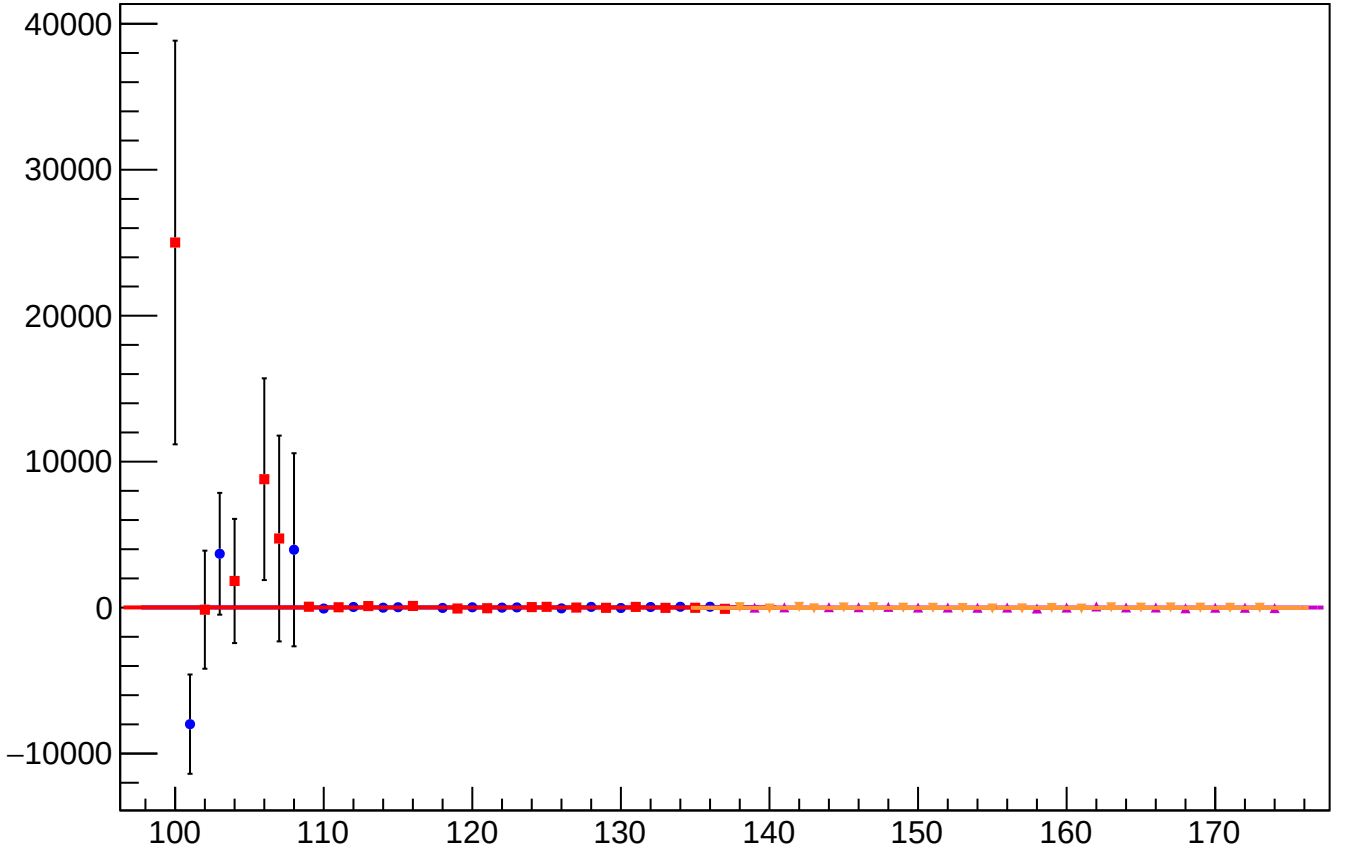
Right: 181.587+/-0.042 χ^2/NDF: 7826577.3/35

In: 187.937+/-0.032 χ^2/NDF:4959245.8/34

Out: 201.012+/-0.034 χ^2/NDF:5742587.5/37

All: 194.084+/-0.023 χ^2/NDF: 10781225.1/72

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: 4.459+/-7.689 χ^2/NDF:19.1/17

Left: -6.108+/-5.429 χ^2/NDF: 39.6/36

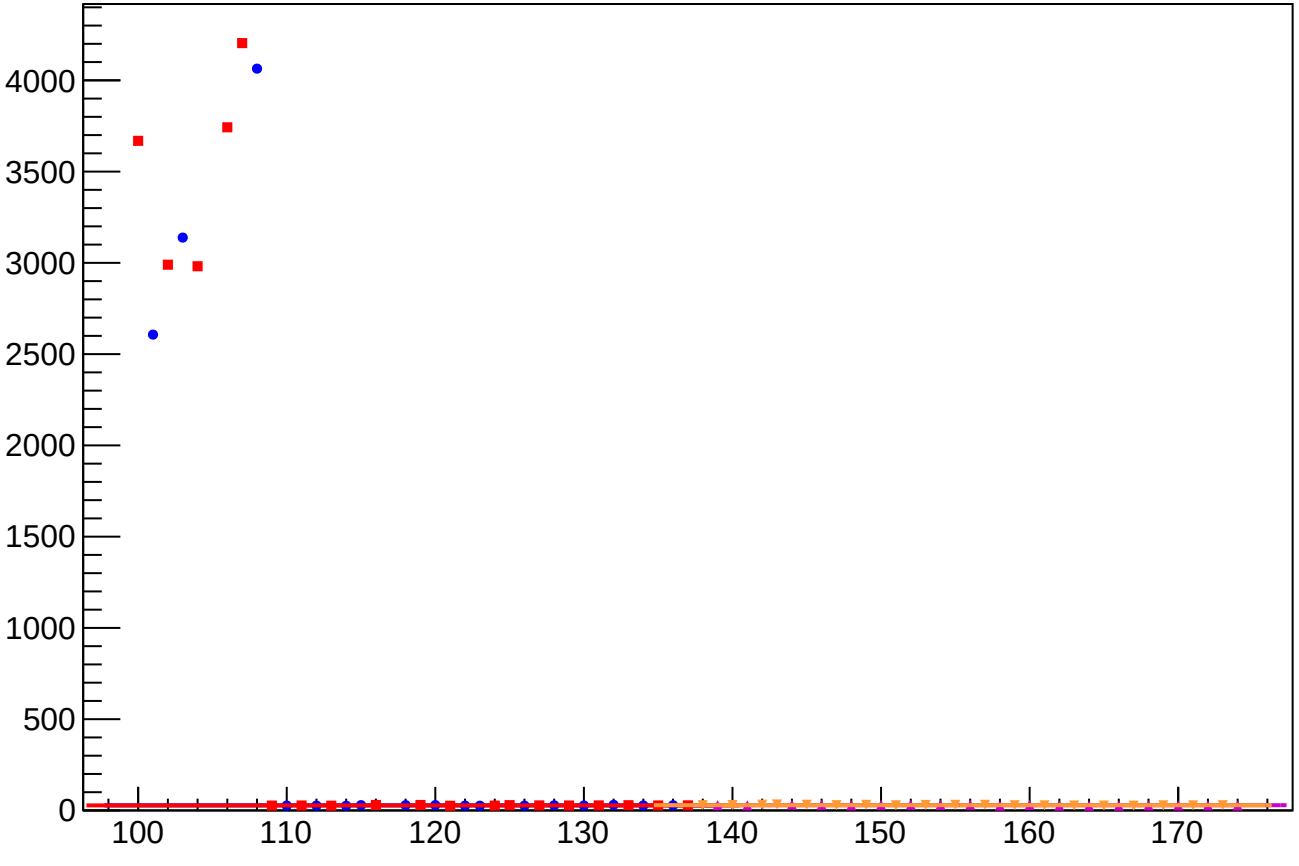
Right: 11.482+/-8.667 χ^2/NDF: 43.2/35

In: 6.100+/-6.517 χ^2/NDF:37.6/34

Out: -8.354+/-6.495 χ^2/NDF:45.7/37

All: -1.152+/-4.601 χ^2/NDF: 85.7/72

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: 28.723+/-0.005 χ^2/NDF:115945.1/17

Left: 28.795+/-0.004 χ^2/NDF: 212942.5/36

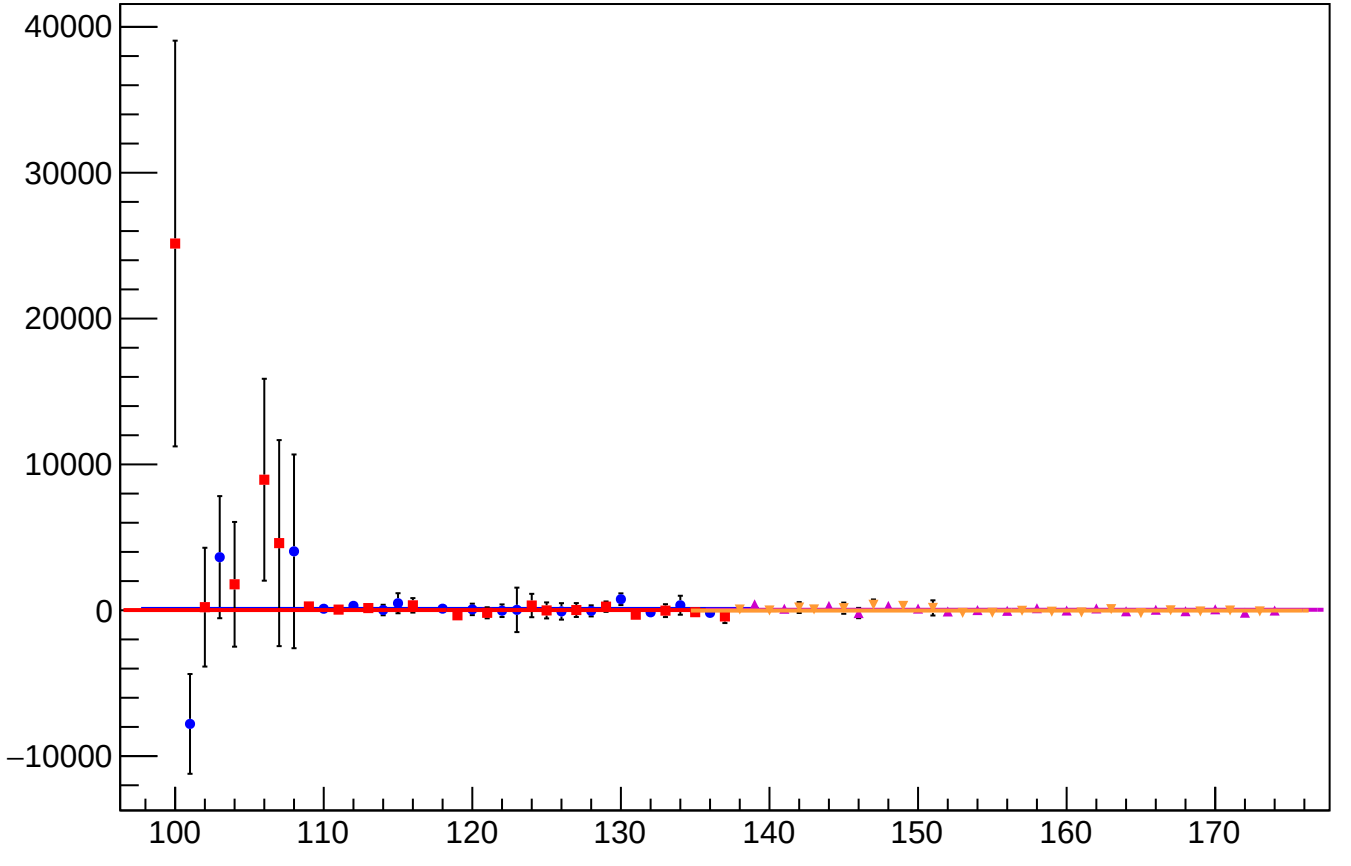
Right: 27.774+/-0.006 χ^2/NDF: 6504689.9/35

In: 28.478+/-0.005 χ^2/NDF:3150786.9/34

Out: 28.536+/-0.005 χ^2/NDF:3586666.5/37

All: 28.507+/-0.003 χ^2/NDF: 6737531.5/72

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: 34.127+/-52.173 χ^2/NDF:6.4/17

Left: 10.066+/-39.095 χ^2/NDF: 12.3/36

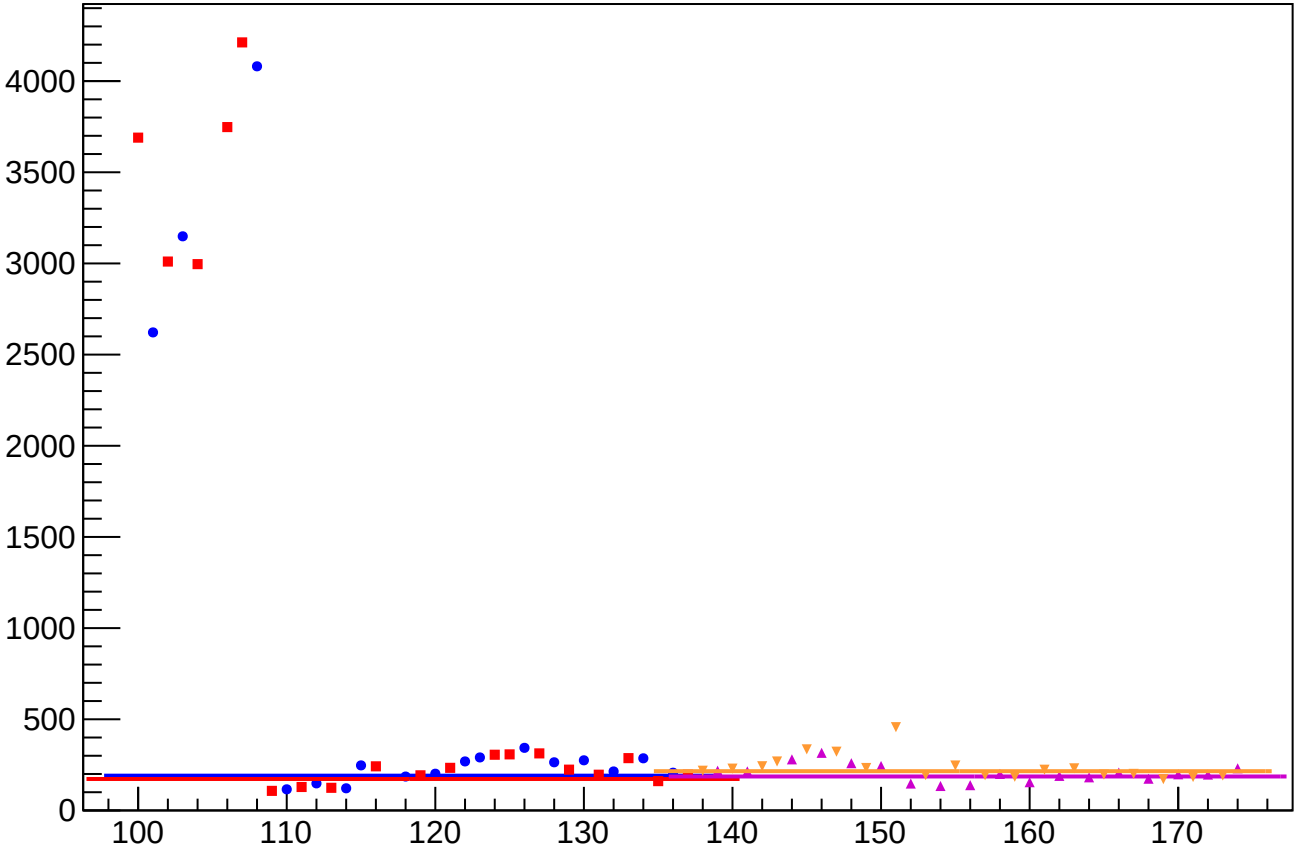
Right: 48.642+/-59.518 χ^2/NDF: 25.9/35

In: 48.822+/-44.898 χ^2/NDF:19.5/34

Out: -8.858+/-47.646 χ^2/NDF:18.2/37

All: 21.693+/-32.676 χ^2/NDF: 38.5/72

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: 186.337+/-0.037 χ^2/NDF:1381459.7/17

Left: 199.062+/-0.028 χ^2/NDF: 2827917.7/36

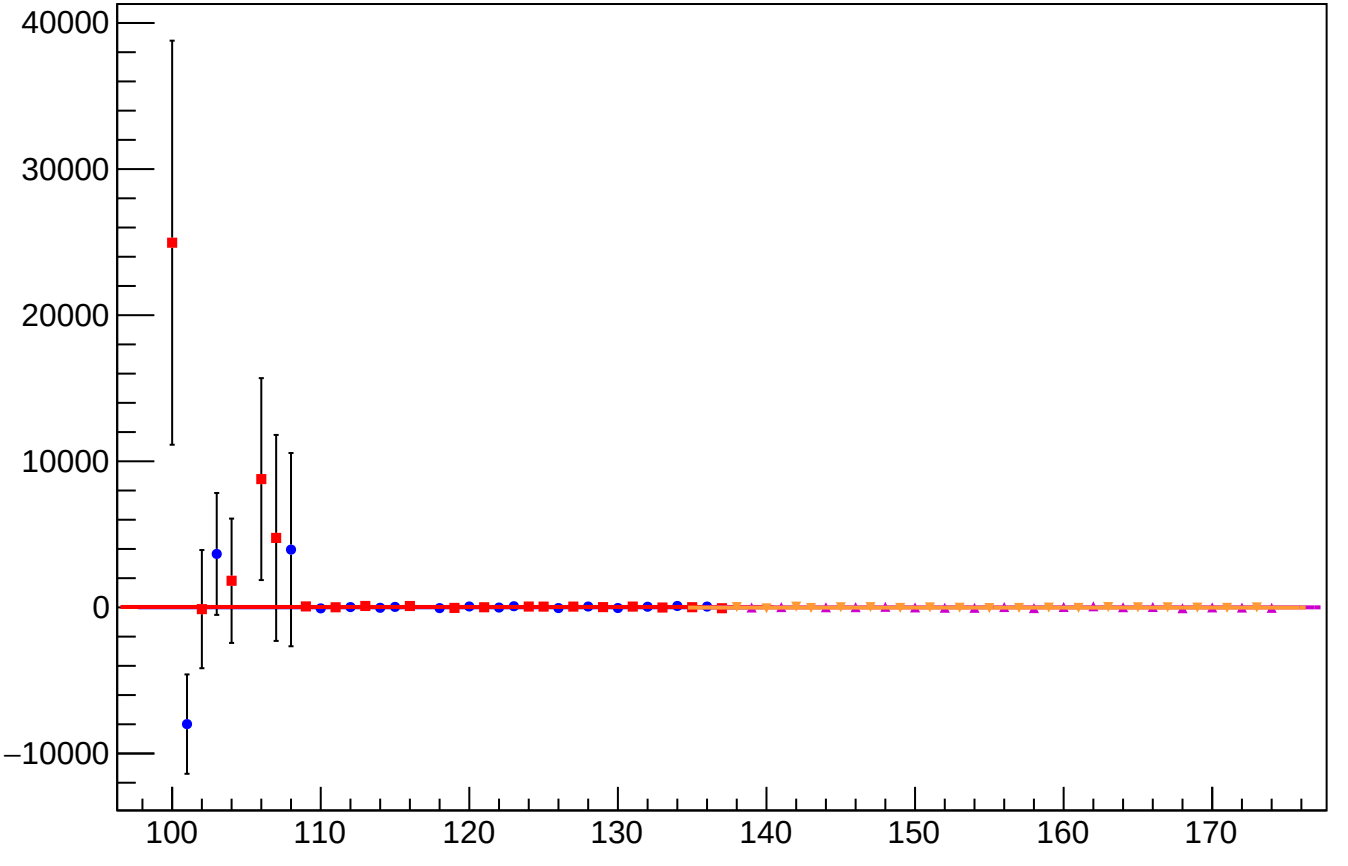
Right: 180.899+/-0.042 χ^2/NDF: 7849745.6/35

In: 187.487+/-0.032 χ^2/NDF:4970238.2/34

Out: 200.457+/-0.034 χ^2/NDF:5759039.4/37

All: 193.587+/-0.023 χ^2/NDF: 10807776.6/72

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600+/-12.368 χ^2/NDF: 23.2/16

Left Out: -13.146+/-7.717 χ^2/NDF:11.9/18

Right Out: 29.397+/-12.333 χ^2/NDF: 16.8/18

Left In: 3.616+/-7.731 χ^2/NDF:18.8/17

Left: -4.779+/-5.462 χ^2/NDF: 33.0/36

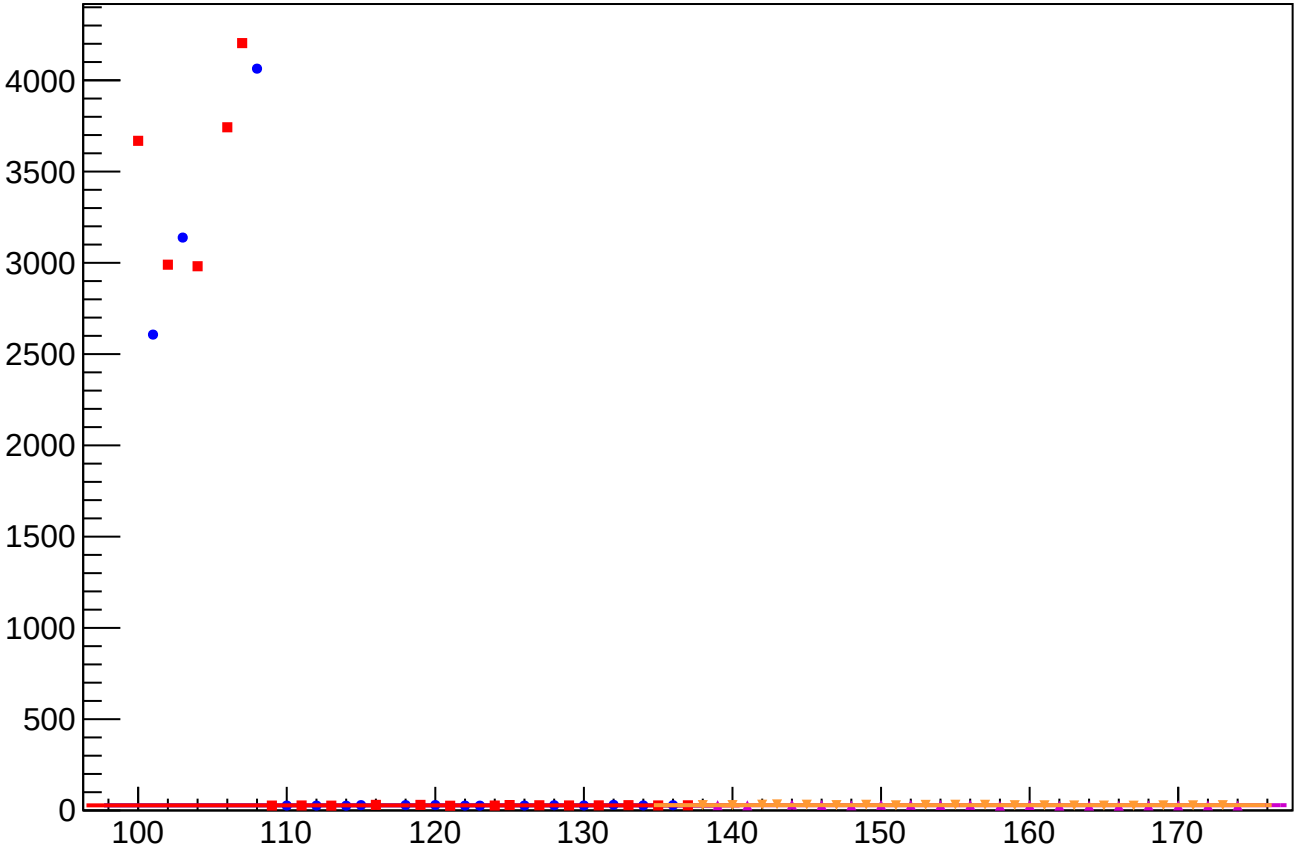
Right: 19.027+/-8.733 χ^2/NDF: 41.4/35

In: 5.016+/-6.555 χ^2/NDF:42.1/34

Out: -1.175+/-6.542 χ^2/NDF:37.2/37

All: 1.914+/-4.631 χ^2/NDF: 79.8/72

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: 28.878+/-0.005 χ^2/NDF:118623.9/17

Left: 28.968+/-0.004 χ^2/NDF: 221446.9/36

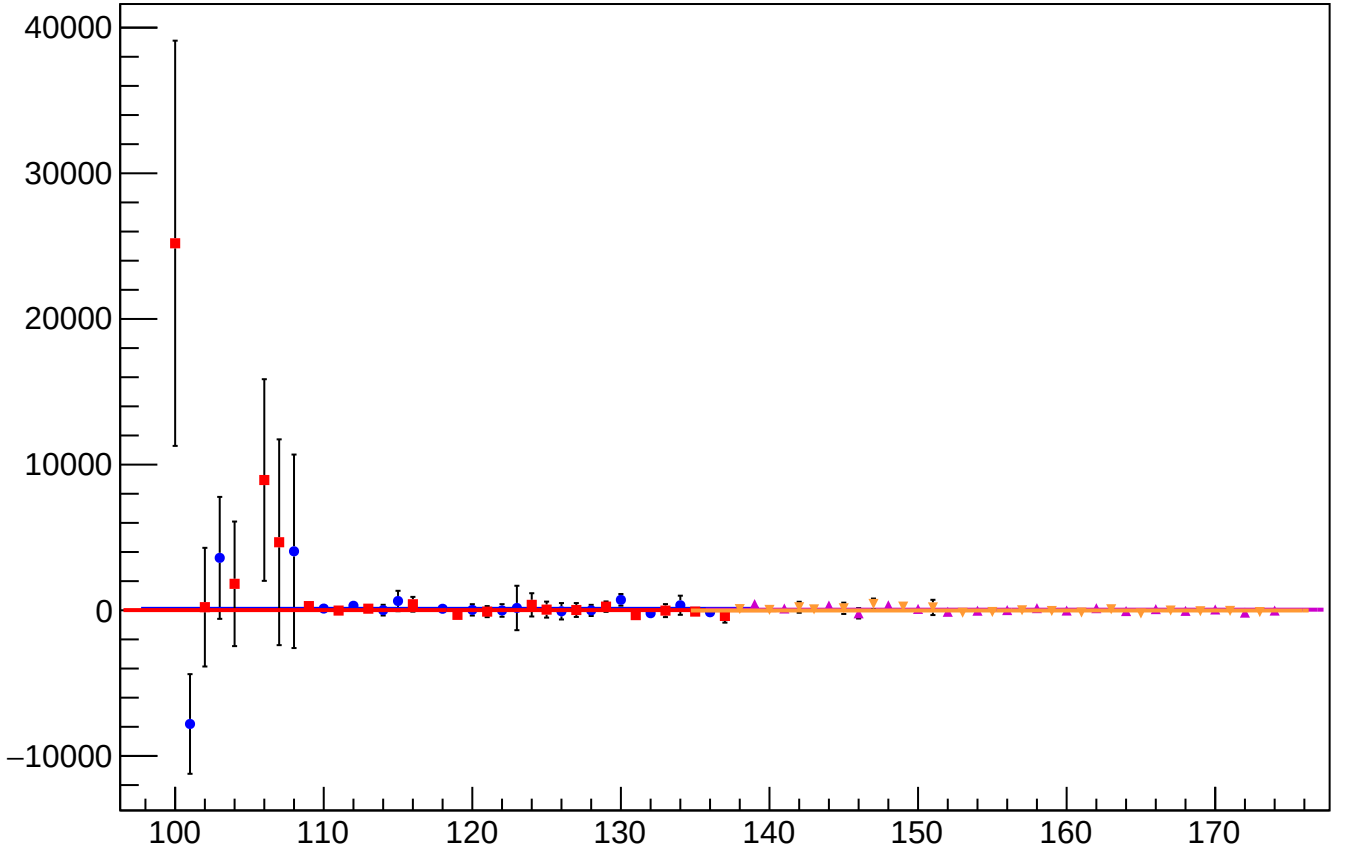
Right: 27.981+/-0.006 χ^2/NDF: 6507693.6/35

In: 28.643+/-0.005 χ^2/NDF:3153060.9/34

Out: 28.738+/-0.005 χ^2/NDF:3594266.1/37

All: 28.691+/-0.003 χ^2/NDF: 6747534.5/72

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: 41.444+/-52.895 χ^2/NDF:7.0/17

Left: 17.063+/-39.604 χ^2/NDF: 12.8/36

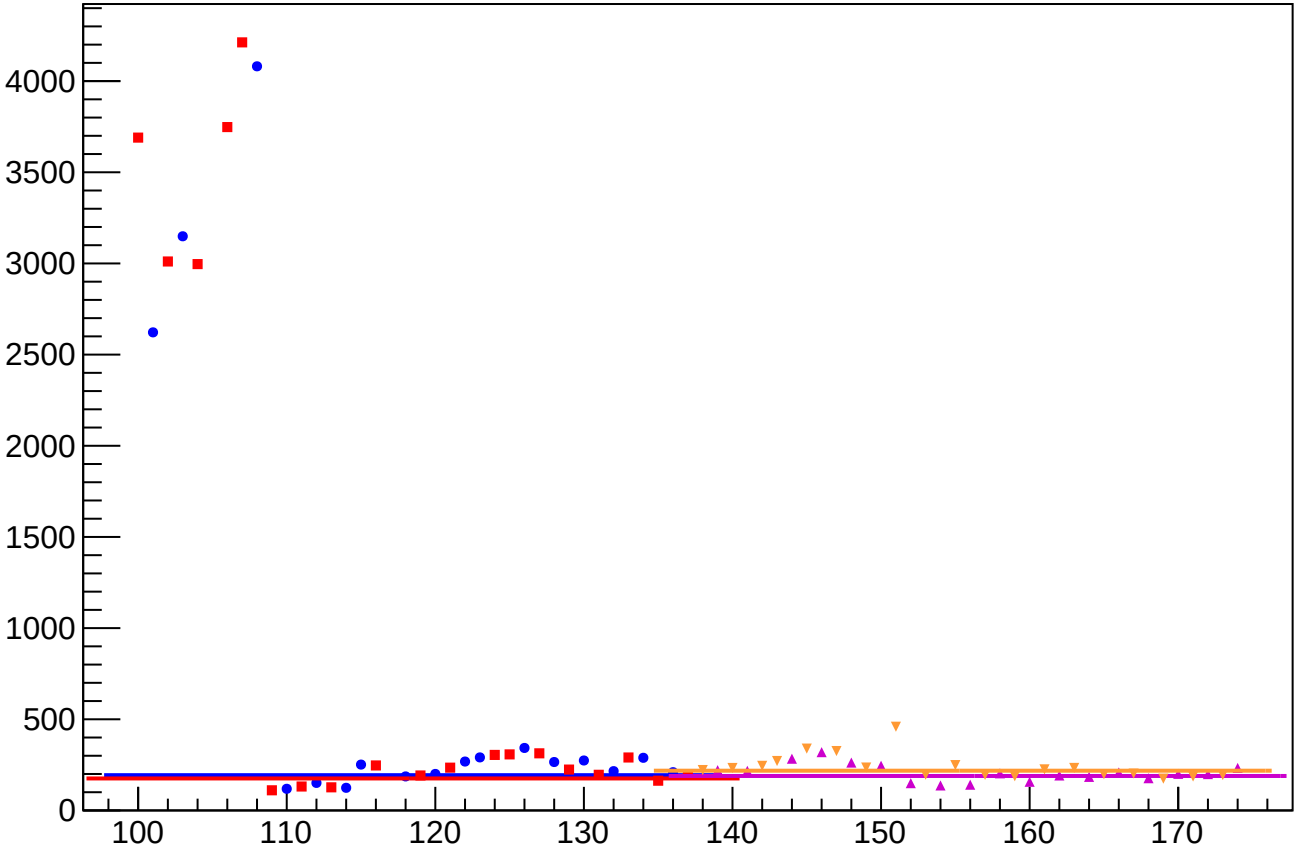
Right: 51.186+/-60.278 χ^2/NDF: 25.3/35

In: 56.193+/-45.497 χ^2/NDF:19.8/34

Out: -5.075+/-48.242 χ^2/NDF:17.7/37

All: 27.352+/-33.099 χ^2/NDF: 38.4/72

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: 189.093+/-0.037 χ^2/NDF:1349049.6/17

Left: 201.819+/-0.028 χ^2/NDF: 2773776.1/36

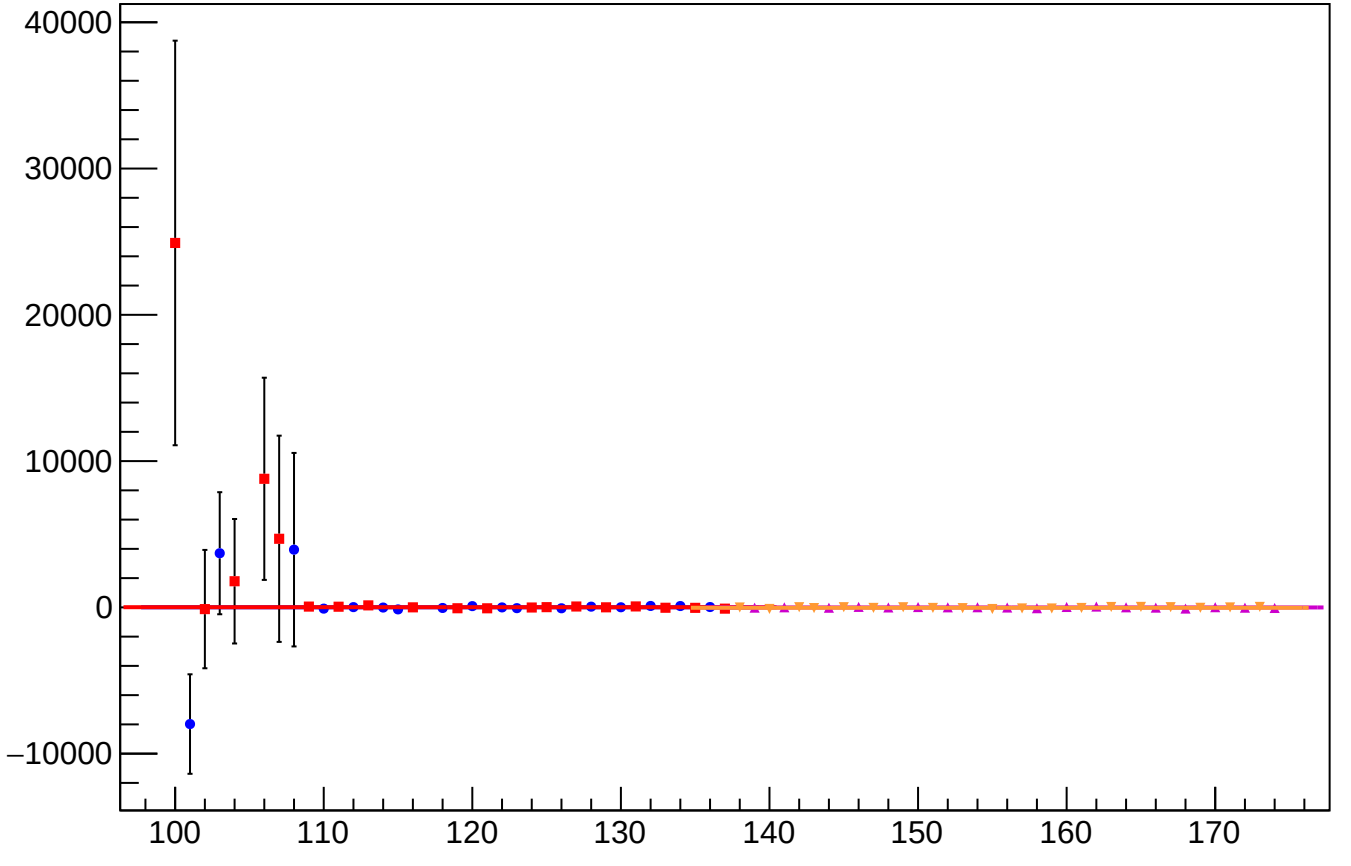
Right: 183.732+/-0.043 χ^2/NDF: 7746808.4/35

In: 190.244+/-0.032 χ^2/NDF:4889635.8/34

Out: 203.247+/-0.034 χ^2/NDF:5679819.2/37

All: 196.365+/-0.023 χ^2/NDF: 10646363.4/72

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: -5.625+/-9.259 χ^2/NDF:12.9/17

Left: -16.080+/-6.529 χ^2/NDF: 37.5/36

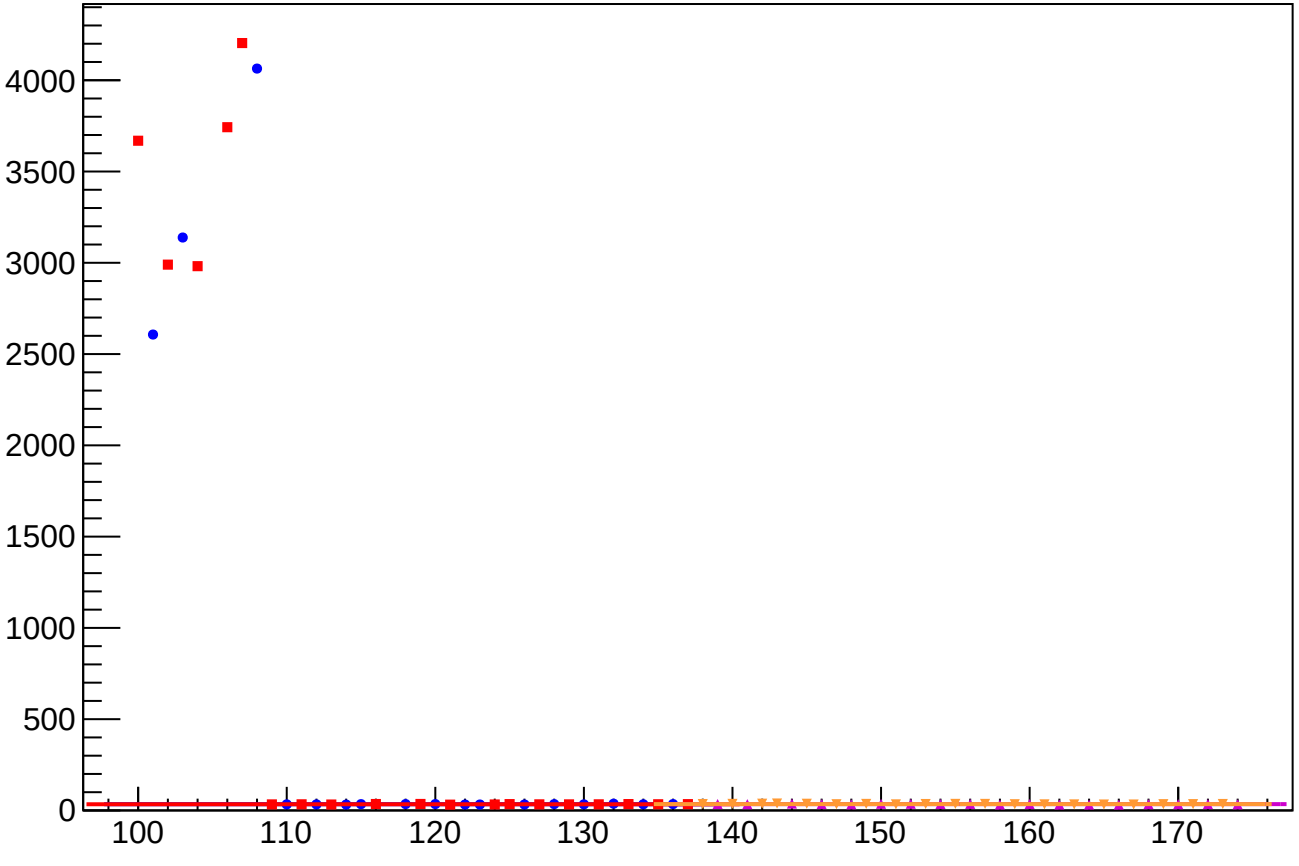
Right: 8.883+/-10.608 χ^2/NDF: 42.5/35

In: -2.553+/-7.886 χ^2/NDF:33.7/34

Out: -15.813+/-7.841 χ^2/NDF:48.8/37

All: -9.221+/-5.560 χ^2/NDF: 84.0/72

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168+/-0.011 χ^2/NDF: 3006512.8/16

Left Out: 34.733+/-0.007 χ^2/NDF:47405.7/18

Right Out: 33.913+/-0.011 χ^2/NDF: 3451912.6/18

Left In: 34.651+/-0.007 χ^2/NDF:53238.6/17

Left: 34.693+/-0.005 χ^2/NDF: 100723.3/36

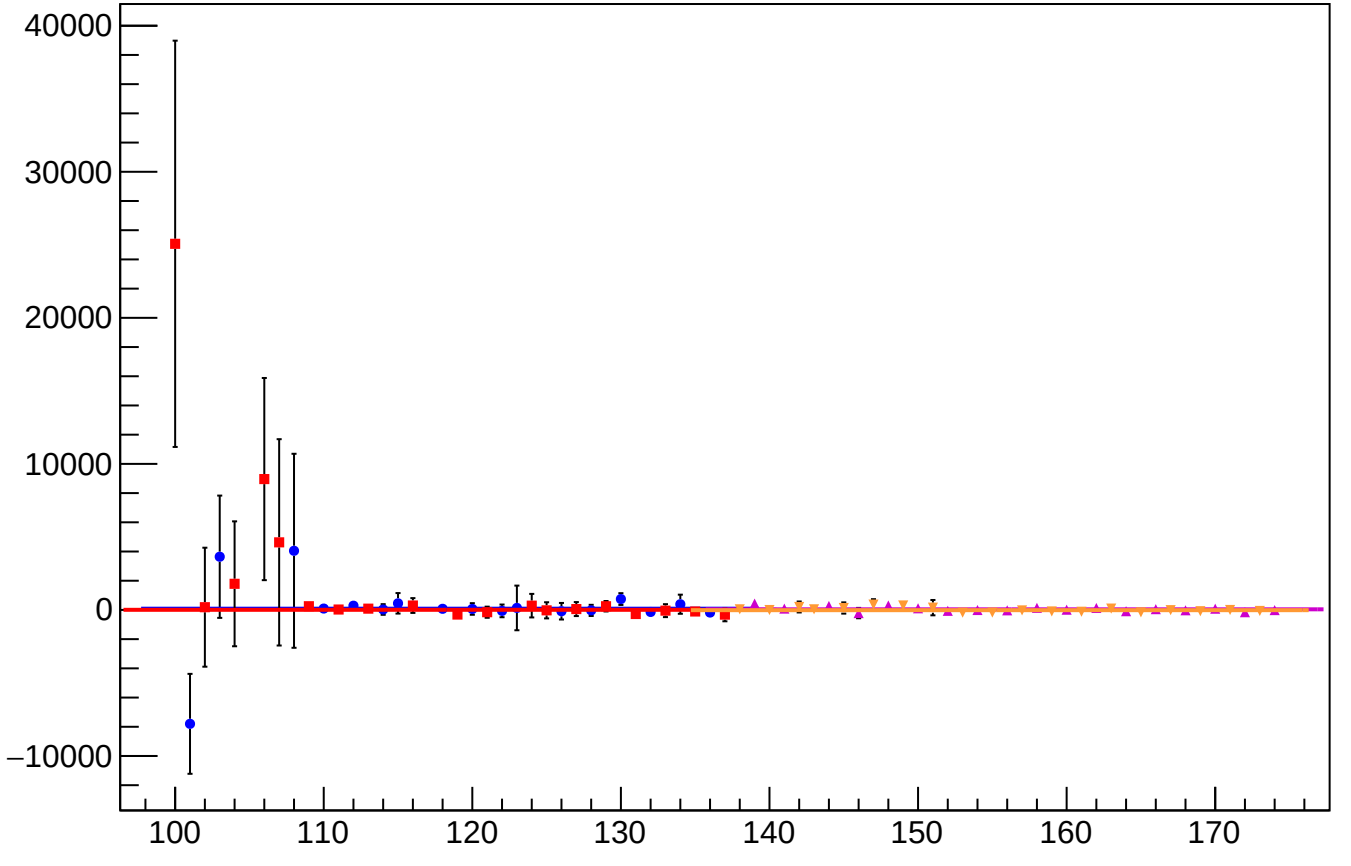
Right: 34.039+/-0.008 χ^2/NDF: 6458714.0/35

In: 34.519+/-0.006 χ^2/NDF:3061250.8/34

Out: 34.508+/-0.006 χ^2/NDF:3503687.5/37

All: 34.513+/-0.004 χ^2/NDF: 6564940.2/72

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: 42.137+/-52.768 χ^2/NDF:6.4/17

Left: 16.602+/-39.516 χ^2/NDF: 12.1/36

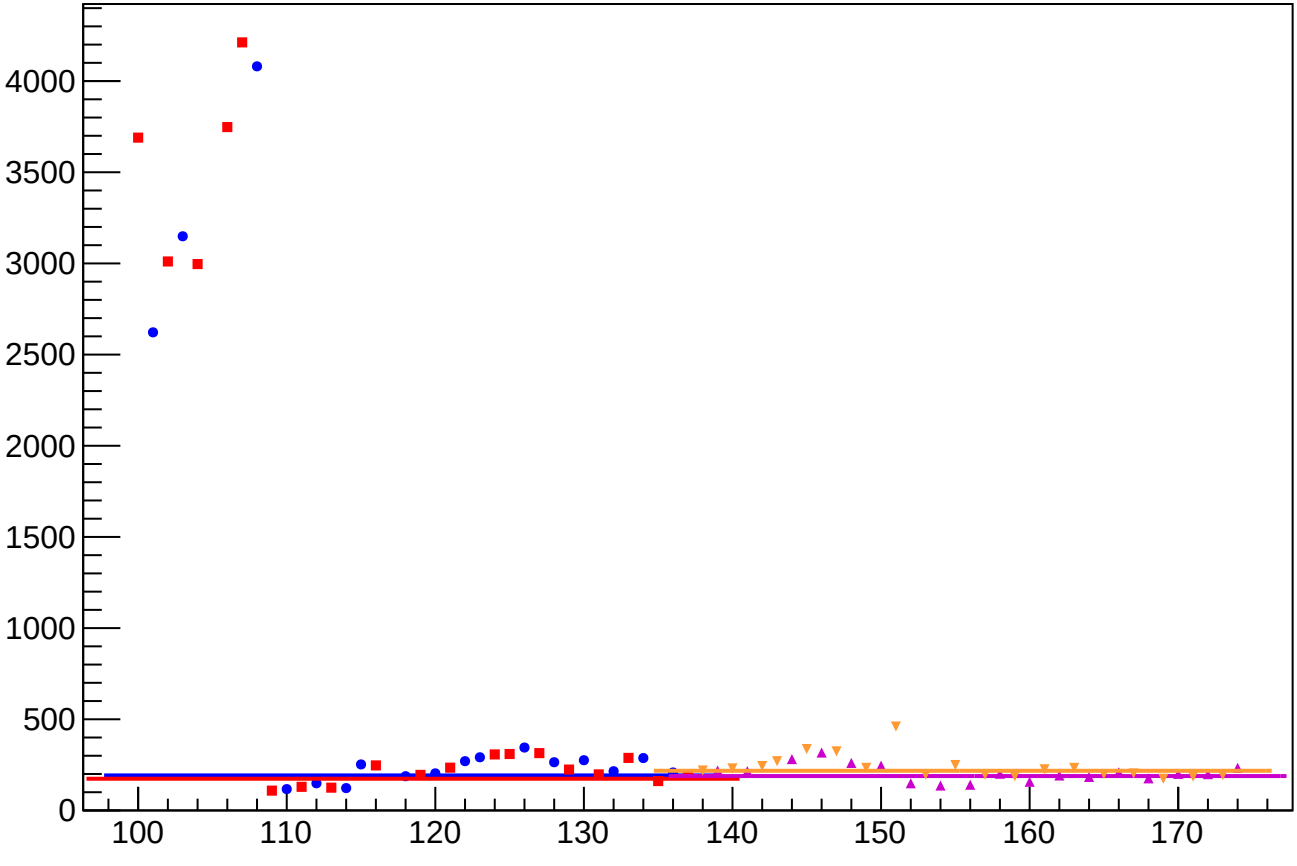
Right: 43.196+/-59.931 χ^2/NDF: 24.0/35

In: 53.203+/-45.356 χ^2/NDF:19.1/34

Out: -7.402+/-48.072 χ^2/NDF:16.3/37

All: 24.661+/-32.990 χ^2/NDF: 36.2/72

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: 188.637+/-0.037 χ^2/NDF:1339583.0/17

Left: 201.365+/-0.028 χ^2/NDF: 2757429.6/36

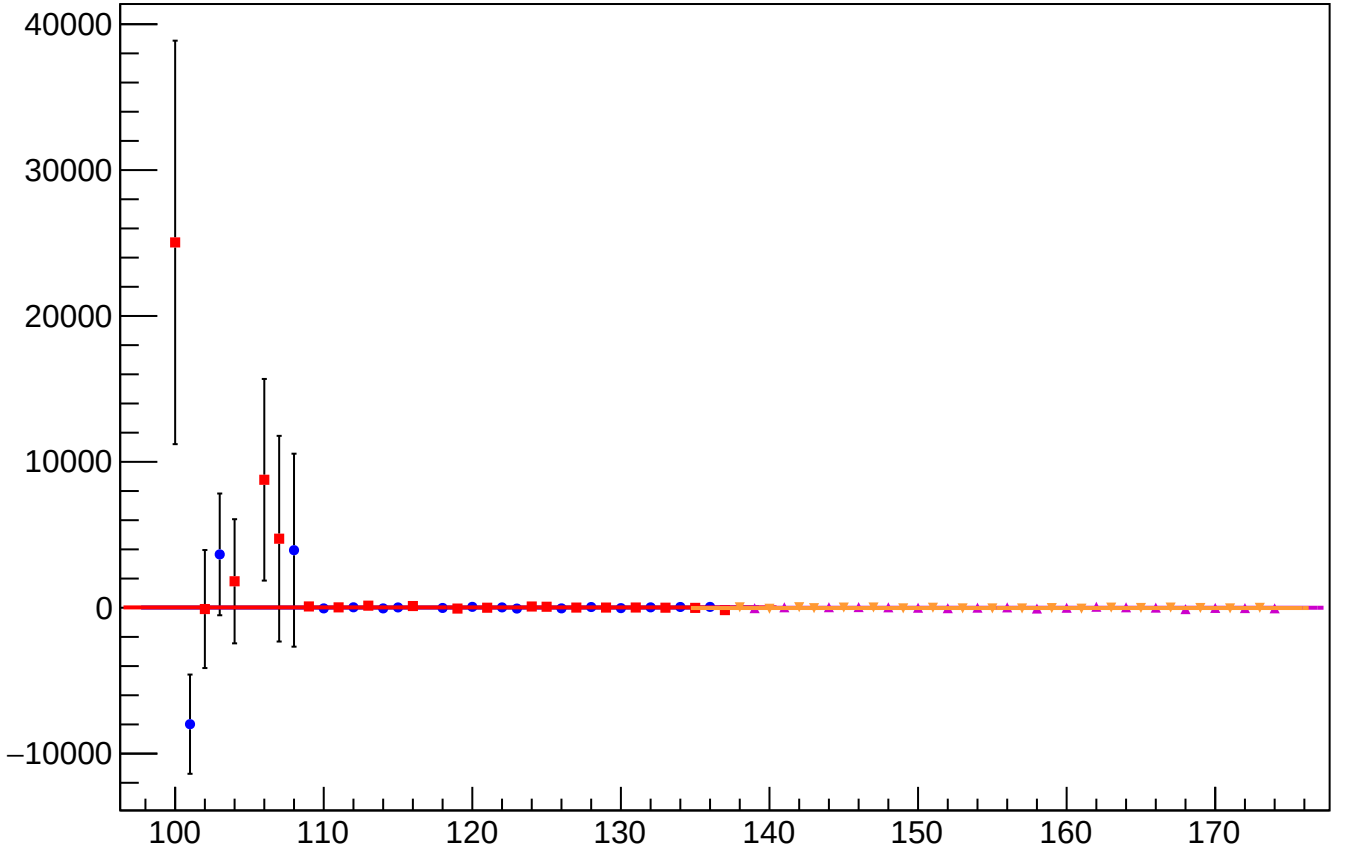
Right: 182.268+/-0.042 χ^2/NDF: 7832071.5/35

In: 189.562+/-0.032 χ^2/NDF:4916551.0/34

Out: 202.337+/-0.034 χ^2/NDF:5739771.9/37

All: 195.578+/-0.023 χ^2/NDF: 10731048.6/72

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: -0.660+/-8.387 χ^2/NDF:23.2/17

Left: -10.622+/-5.911 χ^2/NDF: 38.6/36

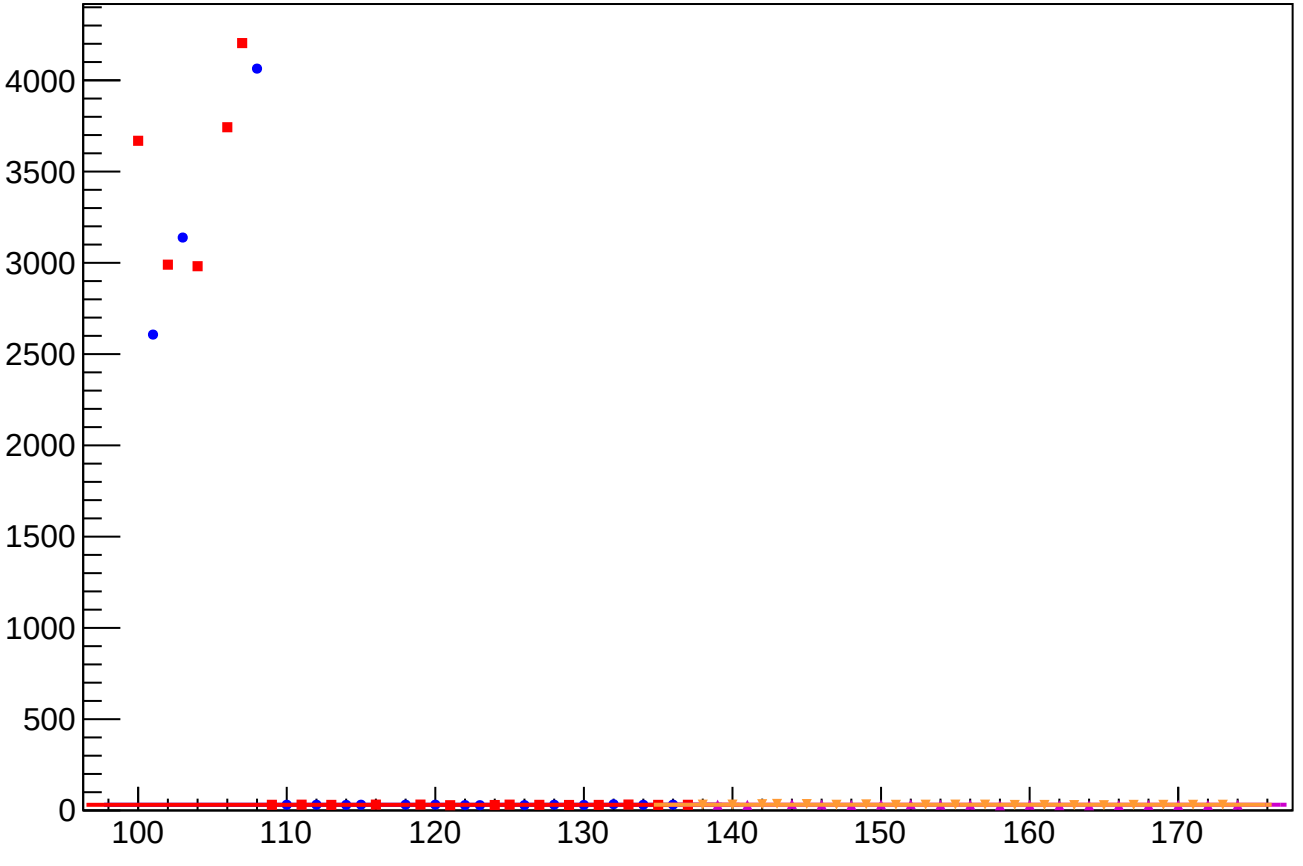
Right: 17.707+/-9.681 χ^2/NDF: 42.9/35

In: 2.986+/-7.156 χ^2/NDF:38.6/34

Out: -8.775+/-7.114 χ^2/NDF:47.8/37

All: -2.929+/-5.045 χ^2/NDF: 87.8/72

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: 31.347+/-0.006 χ^2/NDF:82510.4/17

Left: 31.374+/-0.004 χ^2/NDF: 156308.1/36

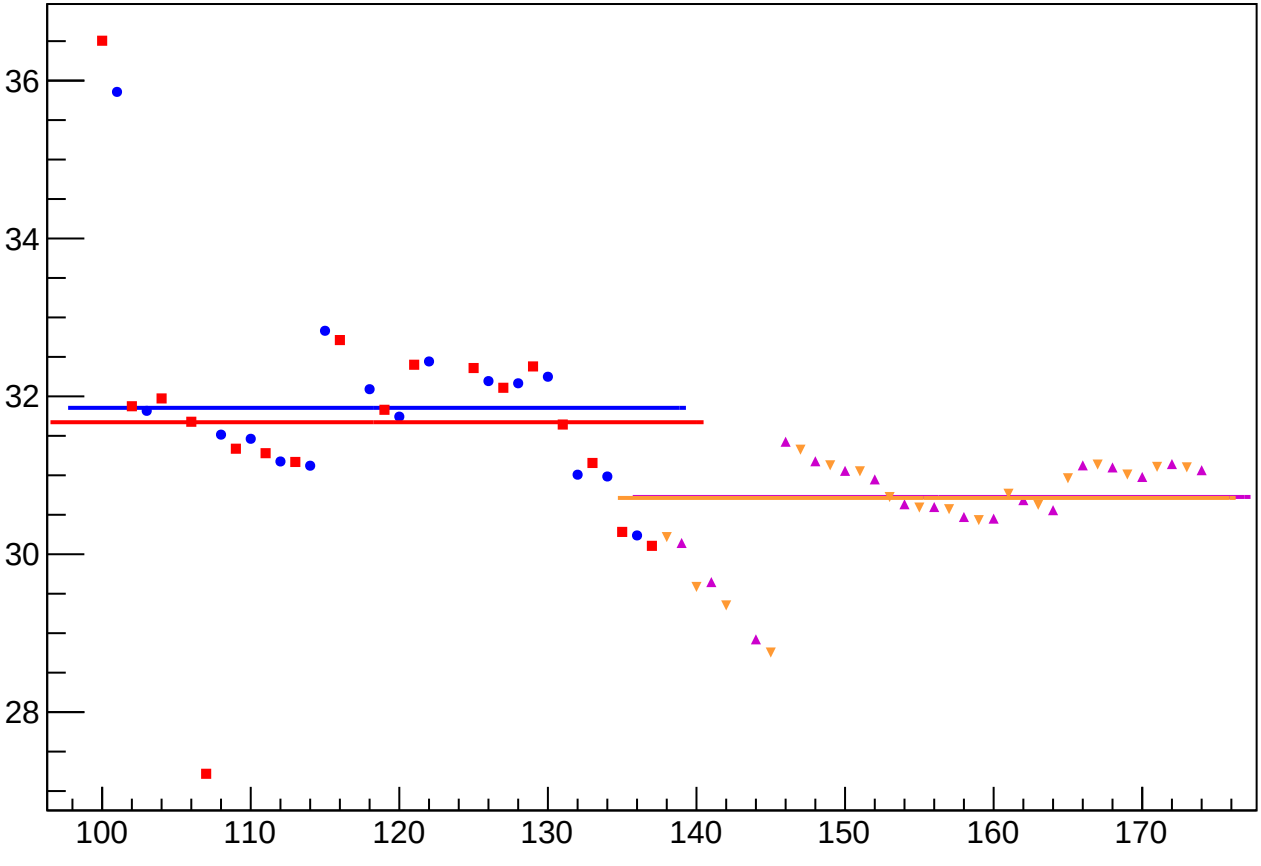
Right: 31.057+/-0.007 χ^2/NDF: 6473633.0/35

In: 31.294+/-0.005 χ^2/NDF:3097315.8/34

Out: 31.282+/-0.005 χ^2/NDF:3534182.3/37

All: 31.288+/-0.004 χ^2/NDF: 6631500.8/72

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: 30.726+/-0.000 χ^2/NDF:681270373.8/17

Left: 30.720+/-0.000 χ^2/NDF: 1403873718.5/35

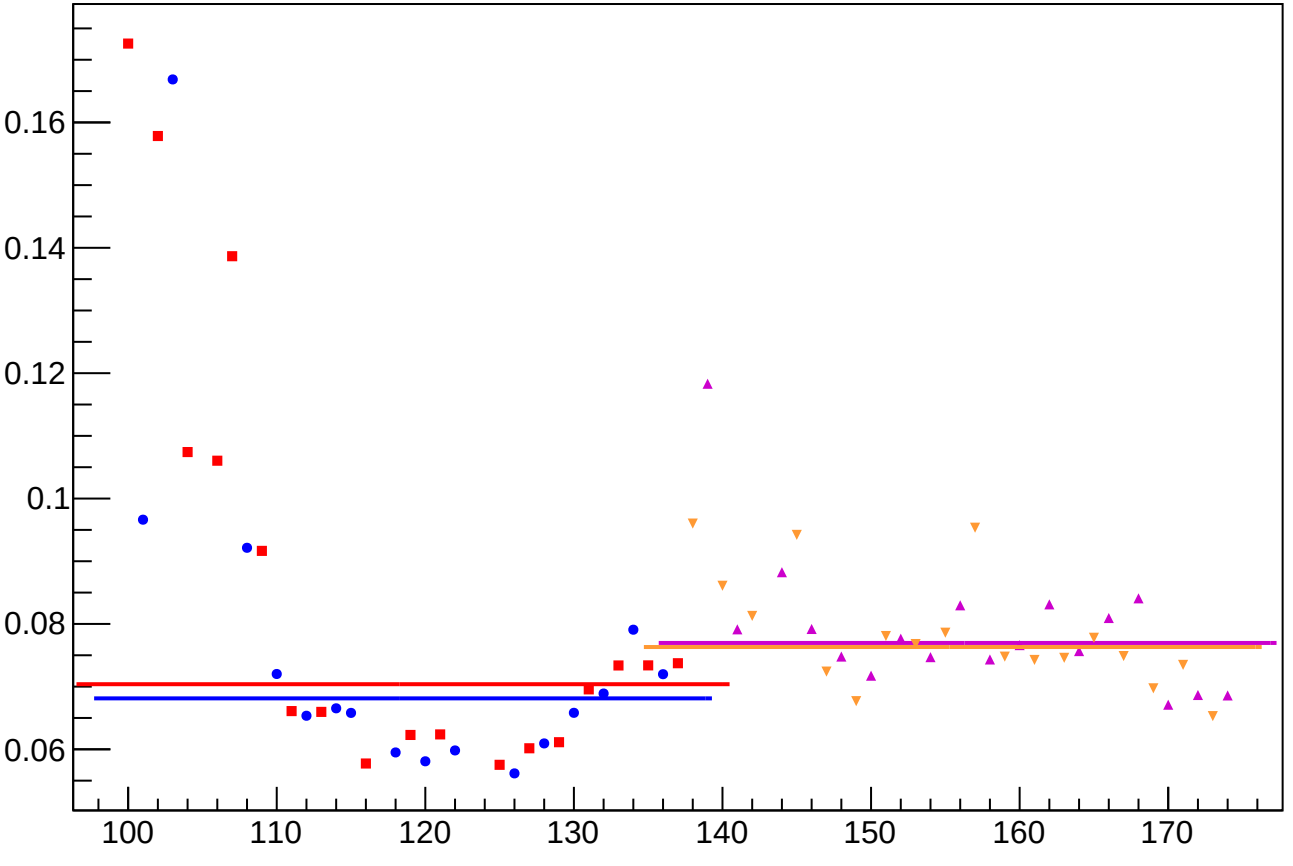
Right: 31.765+/-0.000 χ^2/NDF: 2508641774.0/33

In: 31.141+/-0.000 χ^2/NDF:3254320499.5/33

Out: 31.061+/-0.000 χ^2/NDF:2340793515.8/35

All: 31.101+/-0.000 χ^2/NDF: 5605778026.2/6

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068+/-0.000 χ^2/NDF: 629767.4/15

Left Out: 0.076+/-0.000 χ^2/NDF:266956.4/17

Right Out: 0.070+/-0.000 χ^2/NDF: 841320.1/17

Left In: 0.077+/-0.000 χ^2/NDF:313628.7/17

Left: 0.077+/-0.000 χ^2/NDF: 581486.4/35

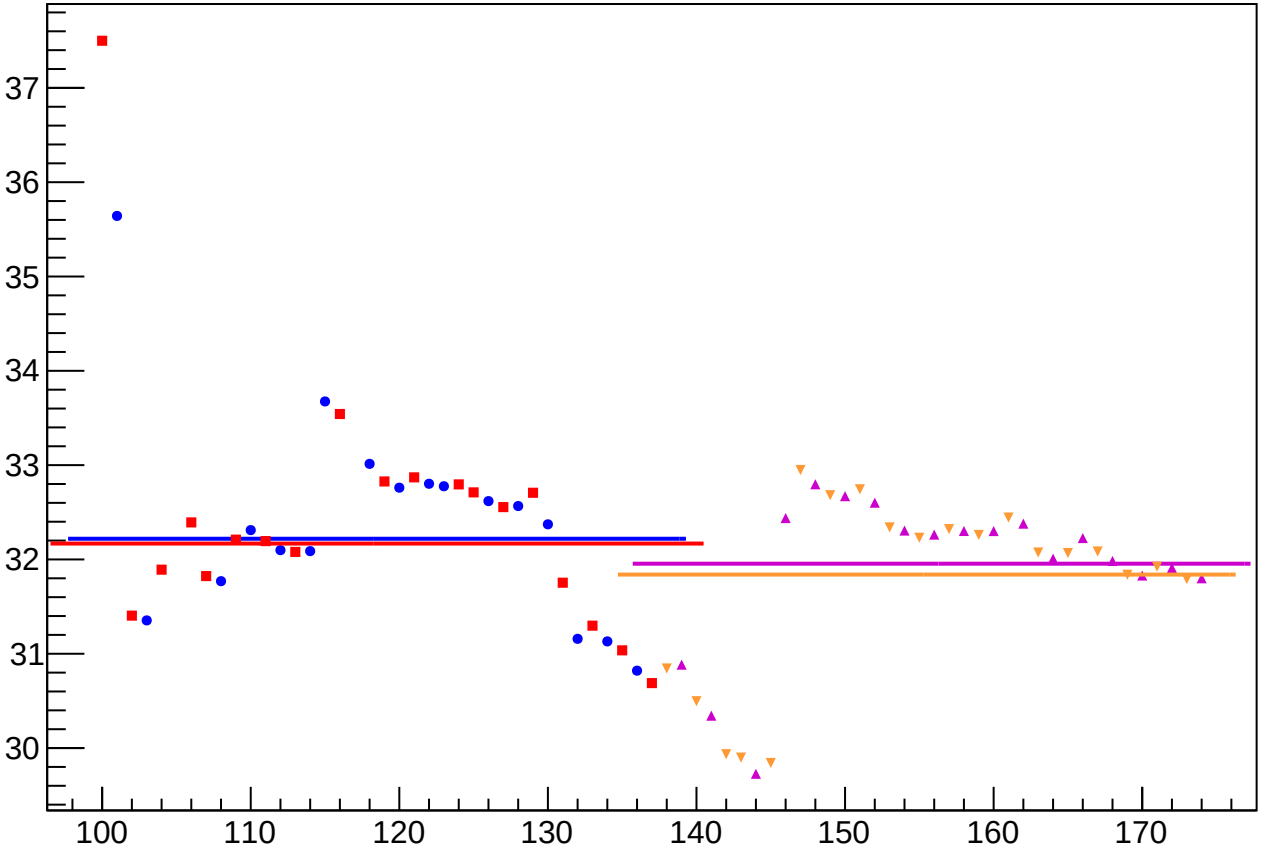
Right: 0.069+/-0.000 χ^2/NDF: 1477315.9/33

In: 0.074+/-0.000 χ^2/NDF:1066407.8/33

Out: 0.074+/-0.000 χ^2/NDF:1161817.6/35

All: 0.074+/-0.000 χ^2/NDF: 2228902.4/69

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: 31.955+/-0.000 χ^2/NDF:1407644173.6/17

Left: 31.897+/-0.000 χ^2/NDF: 3249224643.7/36

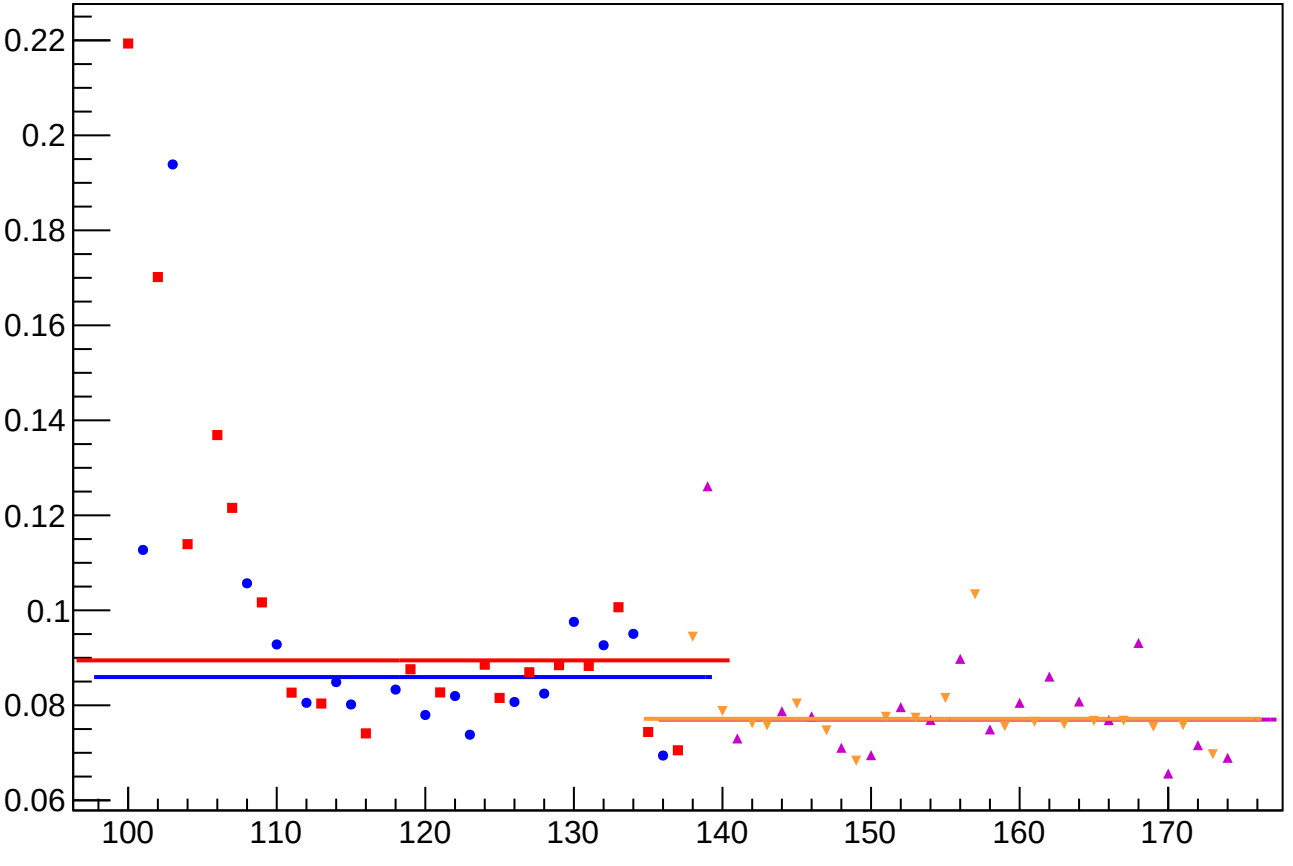
Right: 32.194+/-0.000 χ^2/NDF: 1457173552.7/35

In: 32.025+/-0.000 χ^2/NDF:2461855283.7/34

Out: 31.925+/-0.000 χ^2/NDF:2330810256.4/37

All: 31.975+/-0.000 χ^2/NDF: 4807359156.2/7

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: 0.077+/-0.000 χ^2/NDF:421209.0/17

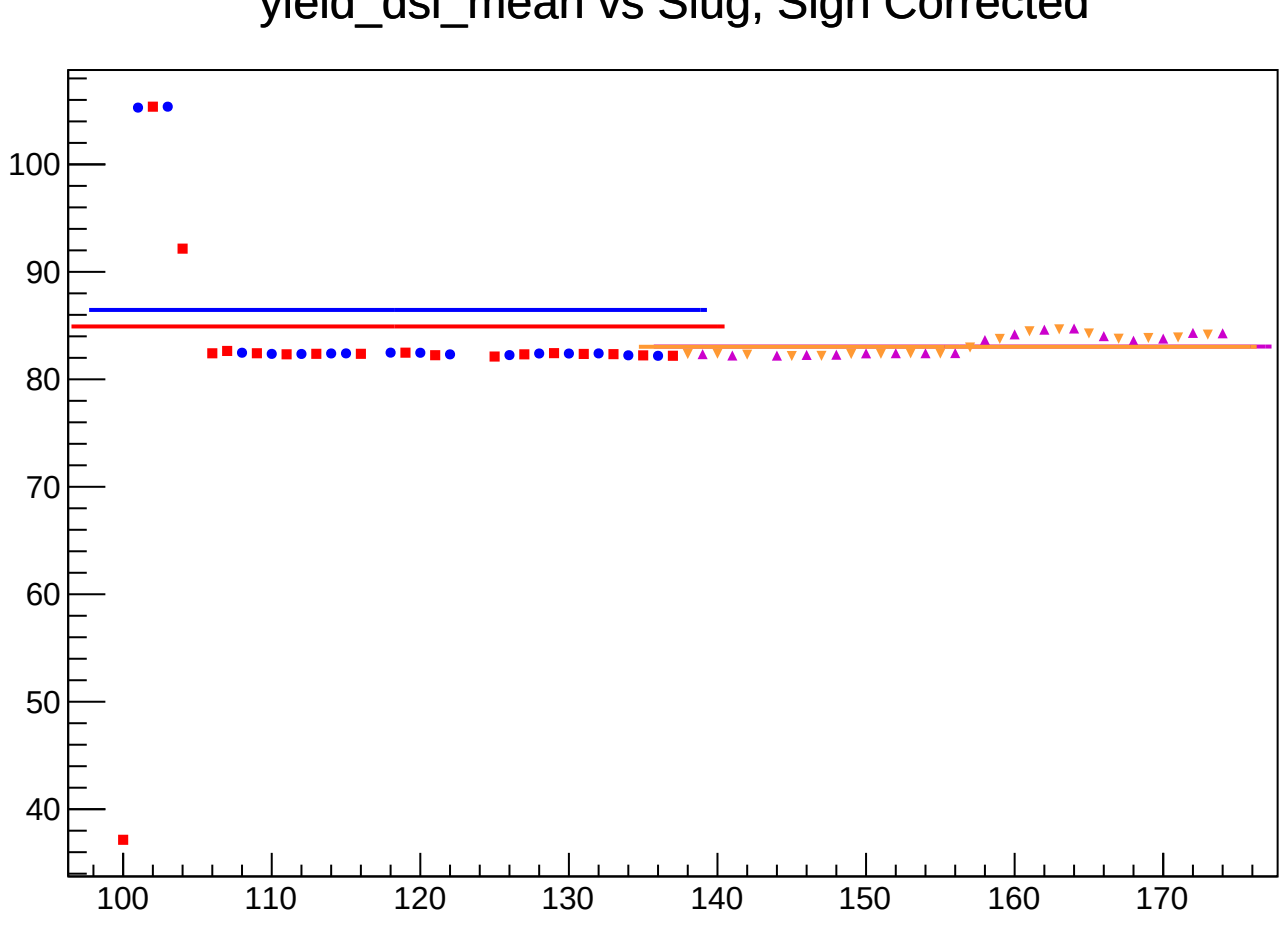
Left: 0.077+/-0.000 χ^2/NDF: 601470.1/36

Right: 0.088+/-0.000 χ^2/NDF: 1102728.3/35

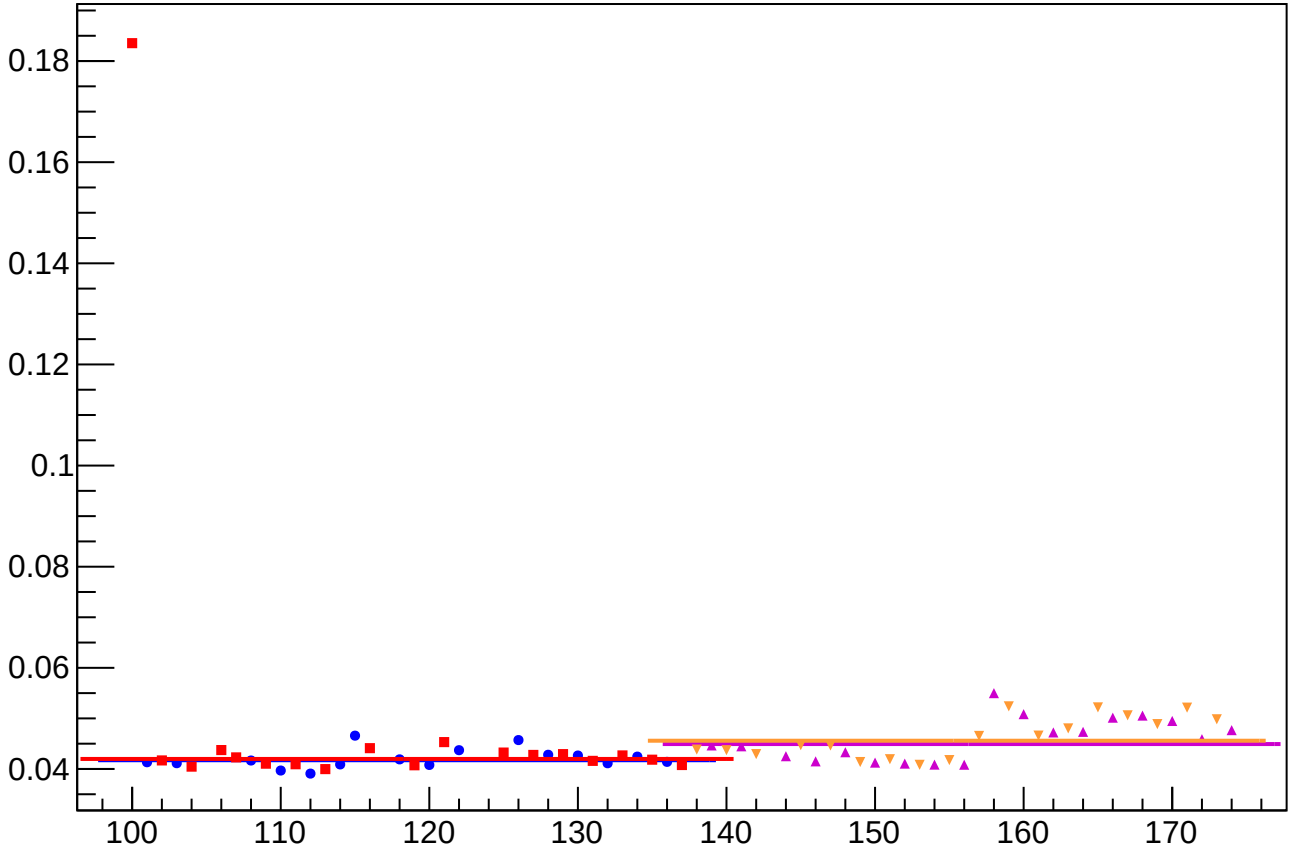
In: 0.079+/-0.000 χ^2/NDF:1066859.7/34

Out: 0.080+/-0.000 χ^2/NDF:891696.7/37

All: 0.080+/-0.000 χ^2/NDF: 1961493.8/72


yield_dsl_mean vs Slug, Sign Corrected
100
90
80
70
60
50
40
100
110
120
130
140
150
160
170
Right In: 86.457+/-0.000 χ²/NDF: 291421048436.2/15
Left Out: 83.029+/-0.000 χ²/NDF:4833886765.7/17
Right Out: 84.920+/-0.000 χ²/NDF: 172195187677.7/17
Left In: 83.051+/-0.000 χ²/NDF:5614031610.3/17
Left: 83.040+/-0.000 χ²/NDF: 10449400649.8/35
Right: 85.675+/-0.000 χ²/NDF: 468146833571.9/33
In: 84.270+/-0.000 χ²/NDF:325104842465.0/33
Out: 83.751+/-0.000 χ²/NDF:185655648273.7/35
All: 84.014+/-0.000 χ²/NDF: 512157456886.

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:209775.7/17

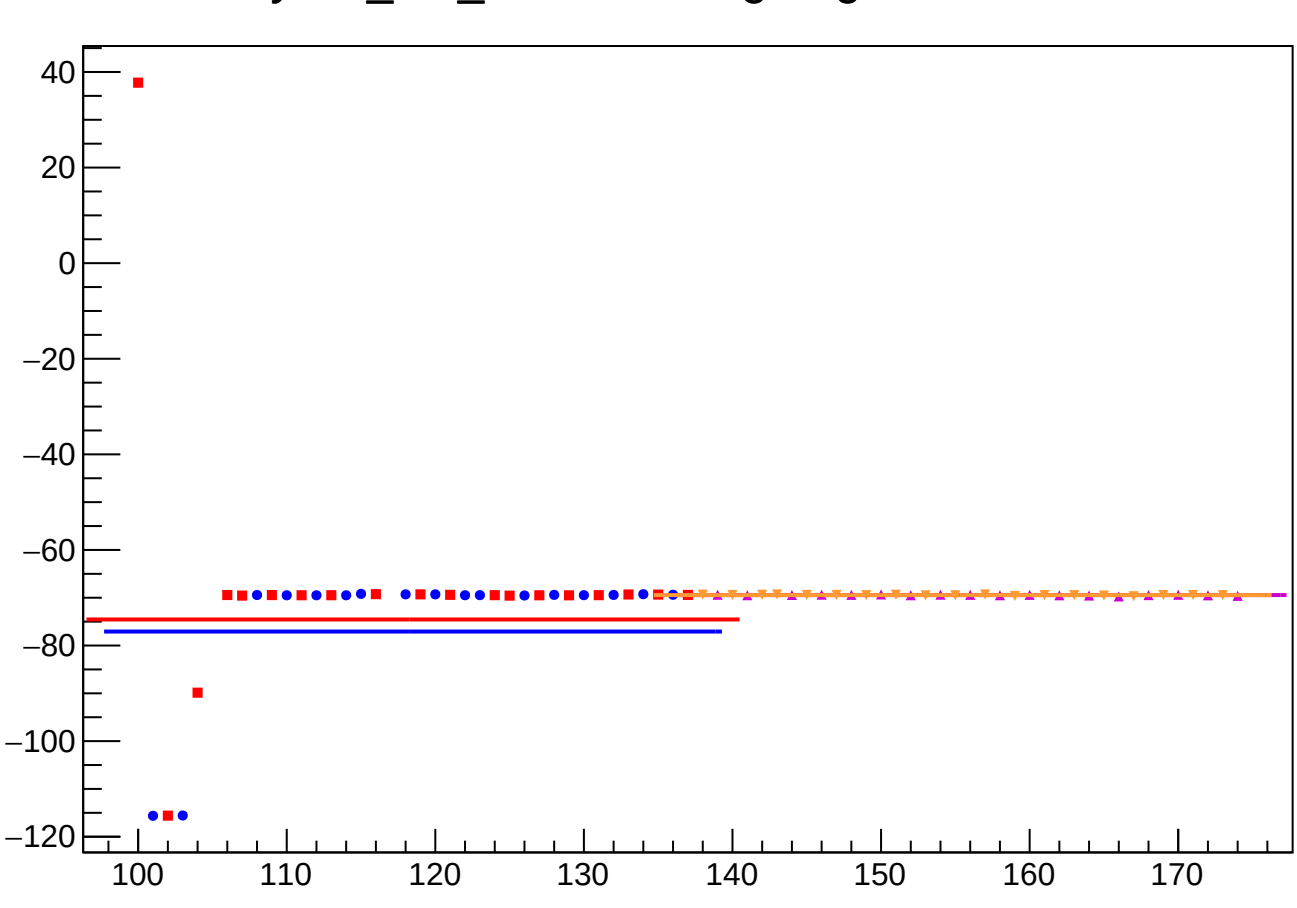
Left: 0.045+/-0.000 χ^2/NDF: 390978.3/35

Right: 0.042+/-0.000 χ^2/NDF: 116001.6/33

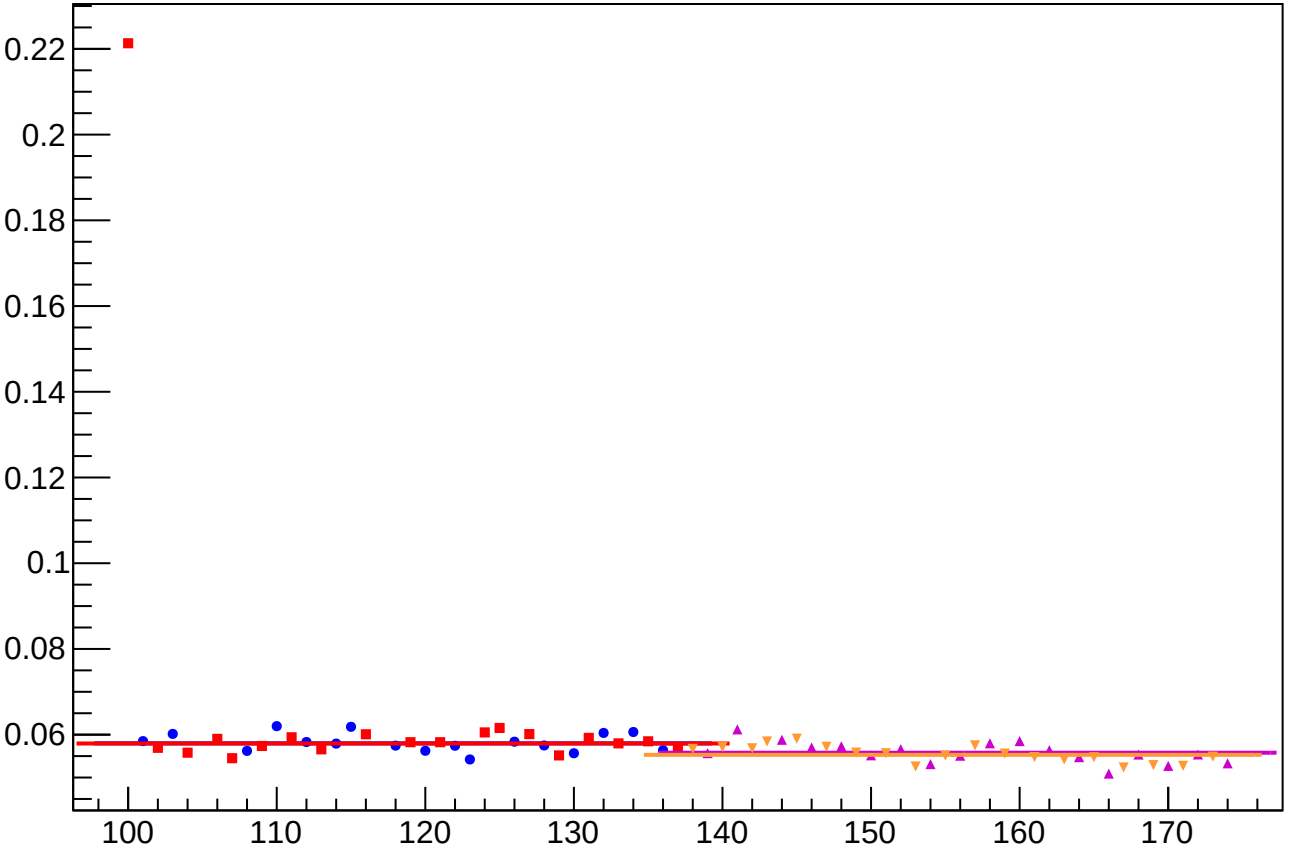
In: 0.044+/-0.000 χ^2/NDF:278151.9/33

Out: 0.044+/-0.000 χ^2/NDF:337942.6/35

All: 0.044+/-0.000 χ^2/NDF: 617991.9/69


yield_dsr_mean vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: -77.074+/-0.000 χ²/NDF: 565391865606.1/16
Left Out: -69.450+/-0.000 χ²/NDF:39410162.1/18
Right Out: -74.547+/-0.000 χ²/NDF: 371890102737.4/18
Left In: -69.441+/-0.000 χ²/NDF:39731420.3/17
Left: -69.446+/-0.000 χ²/NDF: 79293323.9/36
Right: -75.769+/-0.000 χ²/NDF: 943595296169.5/3
In: -71.775+/-0.000 χ²/NDF:642886165707.7/34
Out: -71.044+/-0.000 χ²/NDF:408399072833.0/37
All: -71.402+/-0.000 χ²/NDF: 10529958248

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.058+/-0.000 χ^2/NDF: 12275.6/16

Left Out: 0.055+/-0.000 χ^2/NDF:33316.9/18

Right Out: 0.058+/-0.000 χ^2/NDF: 86466.5/18

Left In: 0.056+/-0.000 χ^2/NDF:48466.6/17

Left: 0.056+/-0.000 χ^2/NDF: 82887.0/36

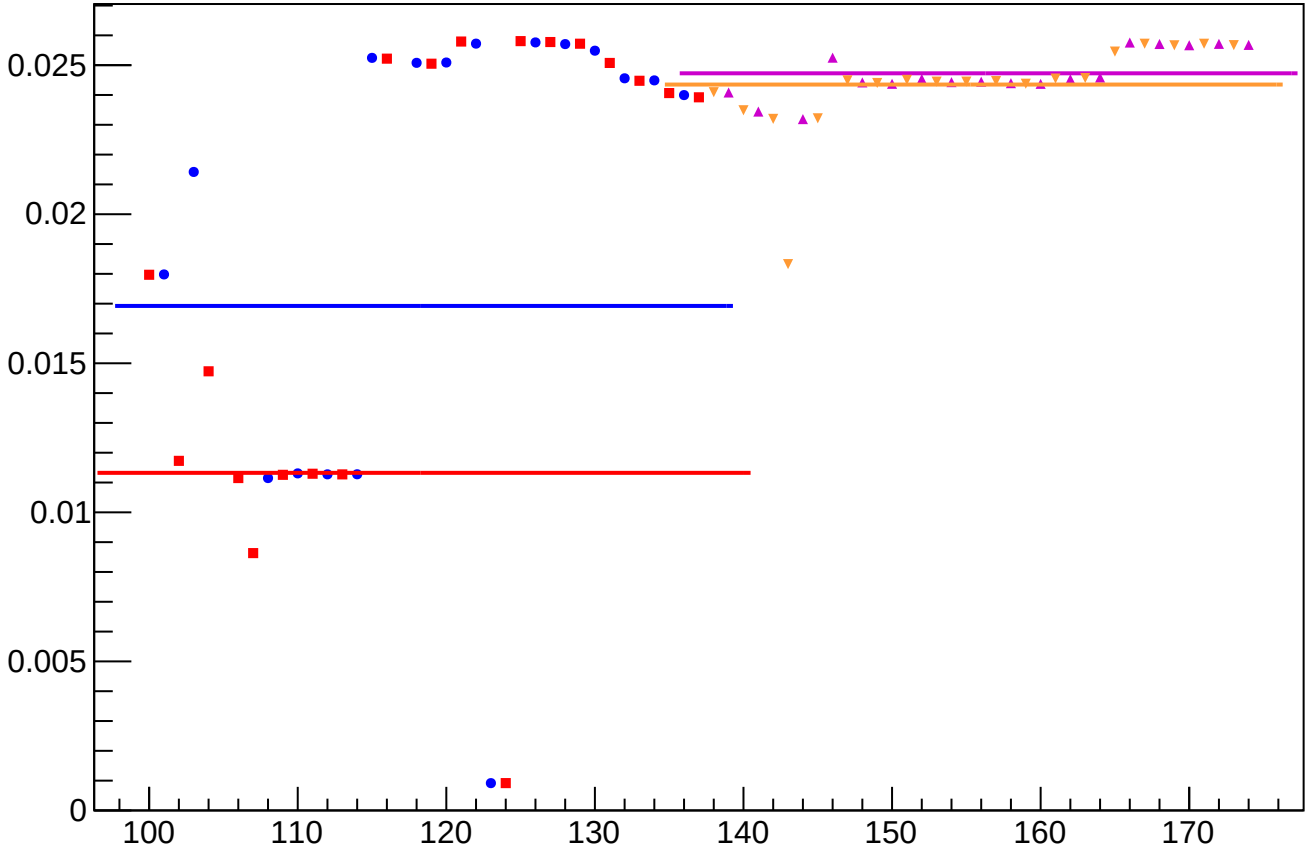
Right: 0.058+/-0.000 χ^2/NDF: 98743.9/35

In: 0.056+/-0.000 χ^2/NDF:73383.3/34

Out: 0.056+/-0.000 χ^2/NDF:139499.2/37

All: 0.056+/-0.000 χ^2/NDF: 213611.9/72

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 126447785006.7/16

Left Out: 0.024+/-0.000 χ^2/NDF:6965126605.0/18

Right Out: 0.011+/-0.000 χ^2/NDF: 234754769754.2/18

Left In: 0.025+/-0.000 χ^2/NDF:1467653007.0/17

Left: 0.025+/-0.000 χ^2/NDF: 8631133722.7/36

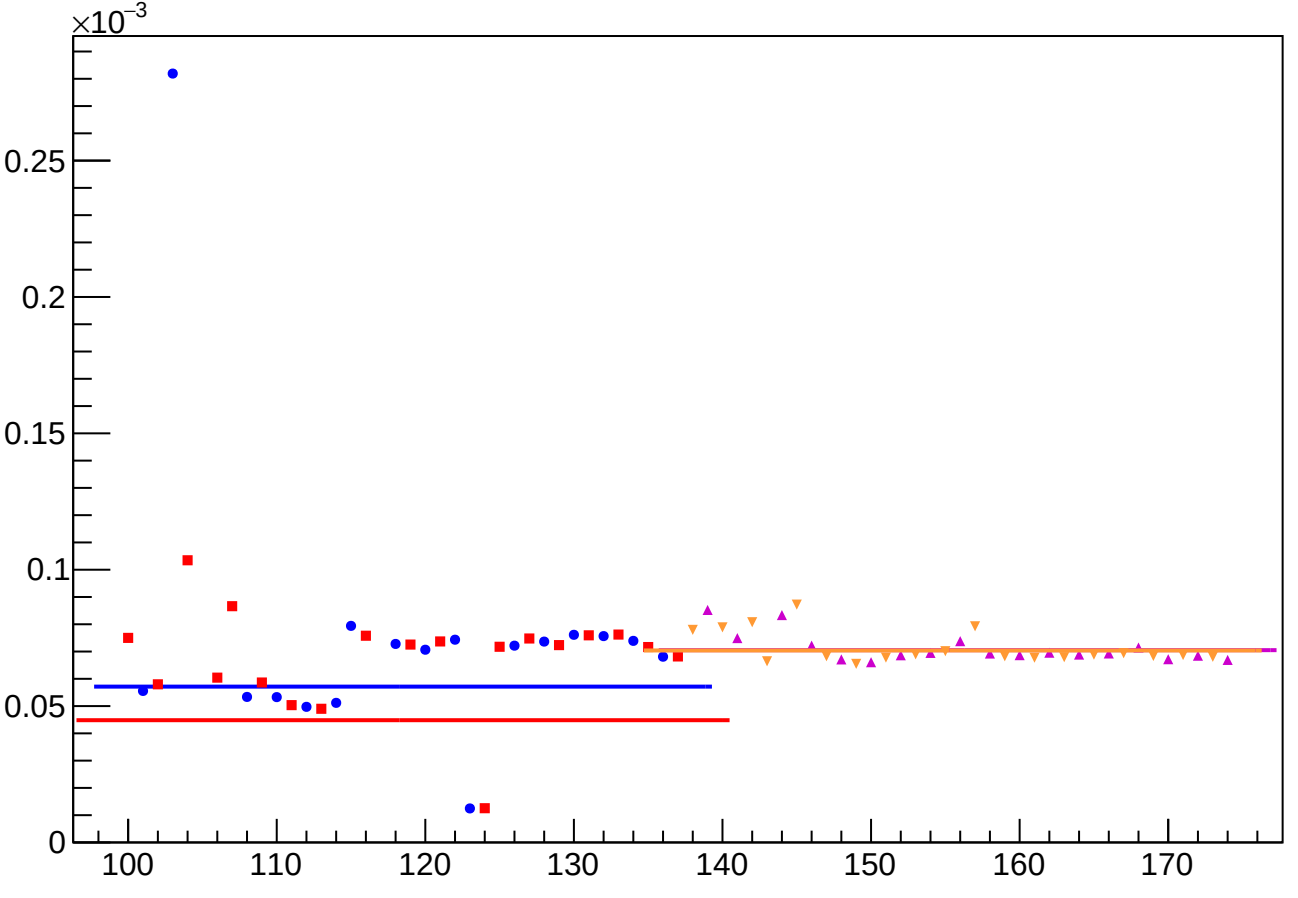
Right: 0.014+/-0.000 χ^2/NDF: 392122680736.2/35

In: 0.022+/-0.000 χ^2/NDF:191530643598.2/34

Out: 0.018+/-0.000 χ^2/NDF:460873109504.4/37

All: 0.020+/-0.000 χ^2/NDF: 680730834893.3

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:117726.9/17

Left: 0.000+/-0.000 χ^2/NDF: 263603.2/36

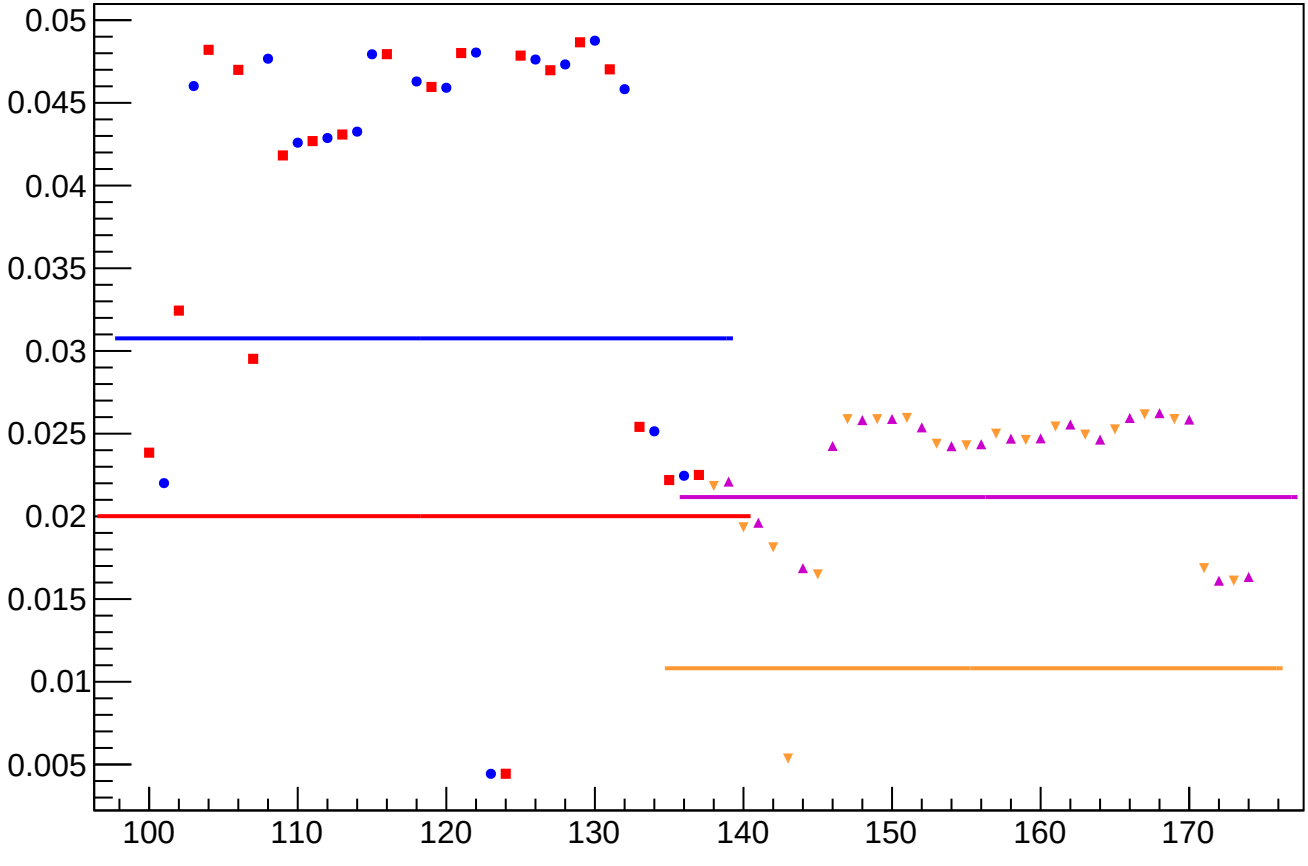
Right: 0.000+/-0.000 χ^2/NDF: 5891779.4/35

In: 0.000+/-0.000 χ^2/NDF:2491631.2/34

Out: 0.000+/-0.000 χ^2/NDF:5427391.3/37

All: 0.000+/-0.000 χ^2/NDF: 8144317.8/72

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF: 21174738549.0/16

Left Out: 0.011+/-0.000 χ^2/NDF:33550754082.6/18

Right Out: 0.020+/-0.000 χ^2/NDF: 40011334157.0/18

Left In: 0.021+/-0.000 χ^2/NDF:3445116515.7/17

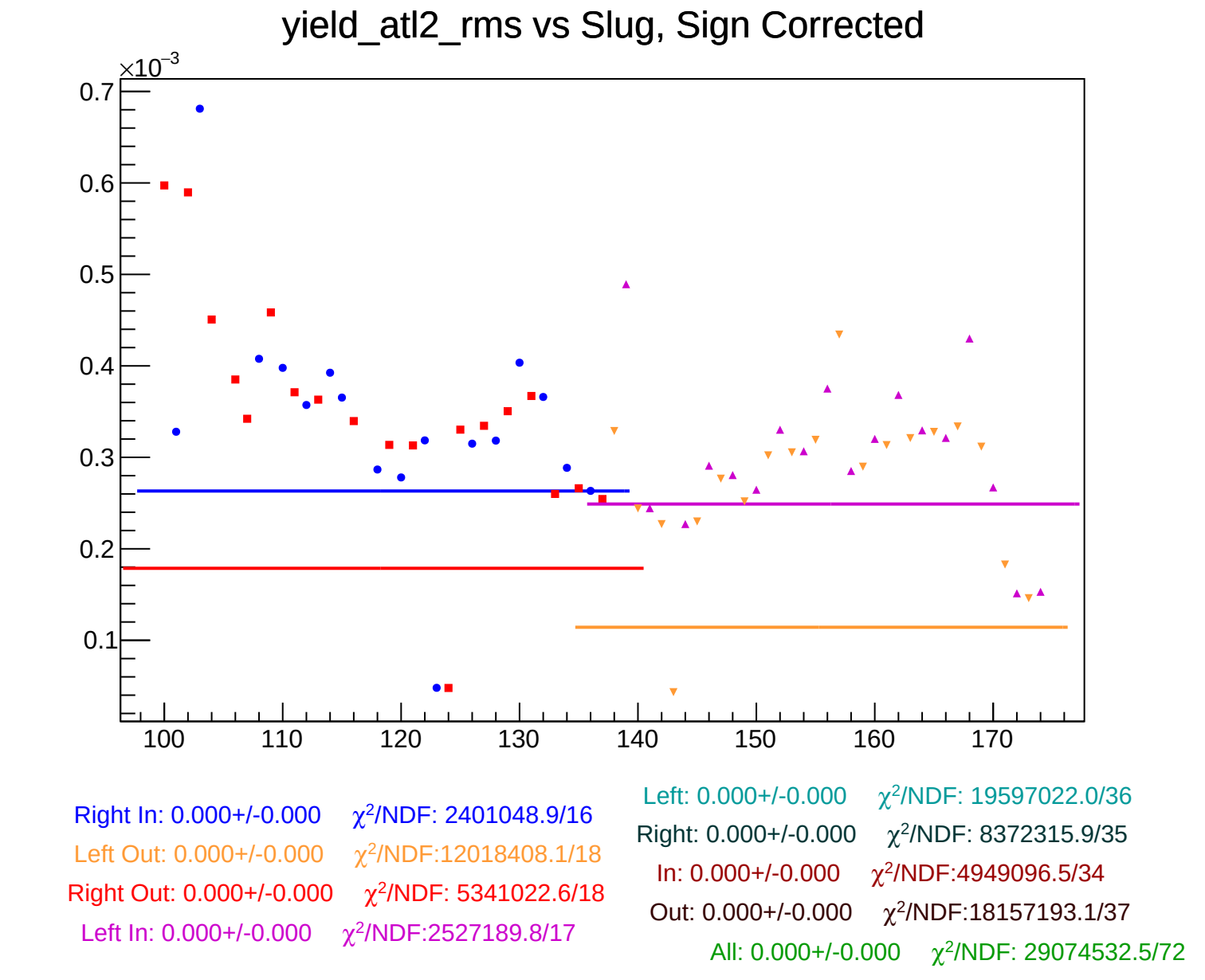
Left: 0.014+/-0.000 χ^2/NDF: 51905496846.8/36

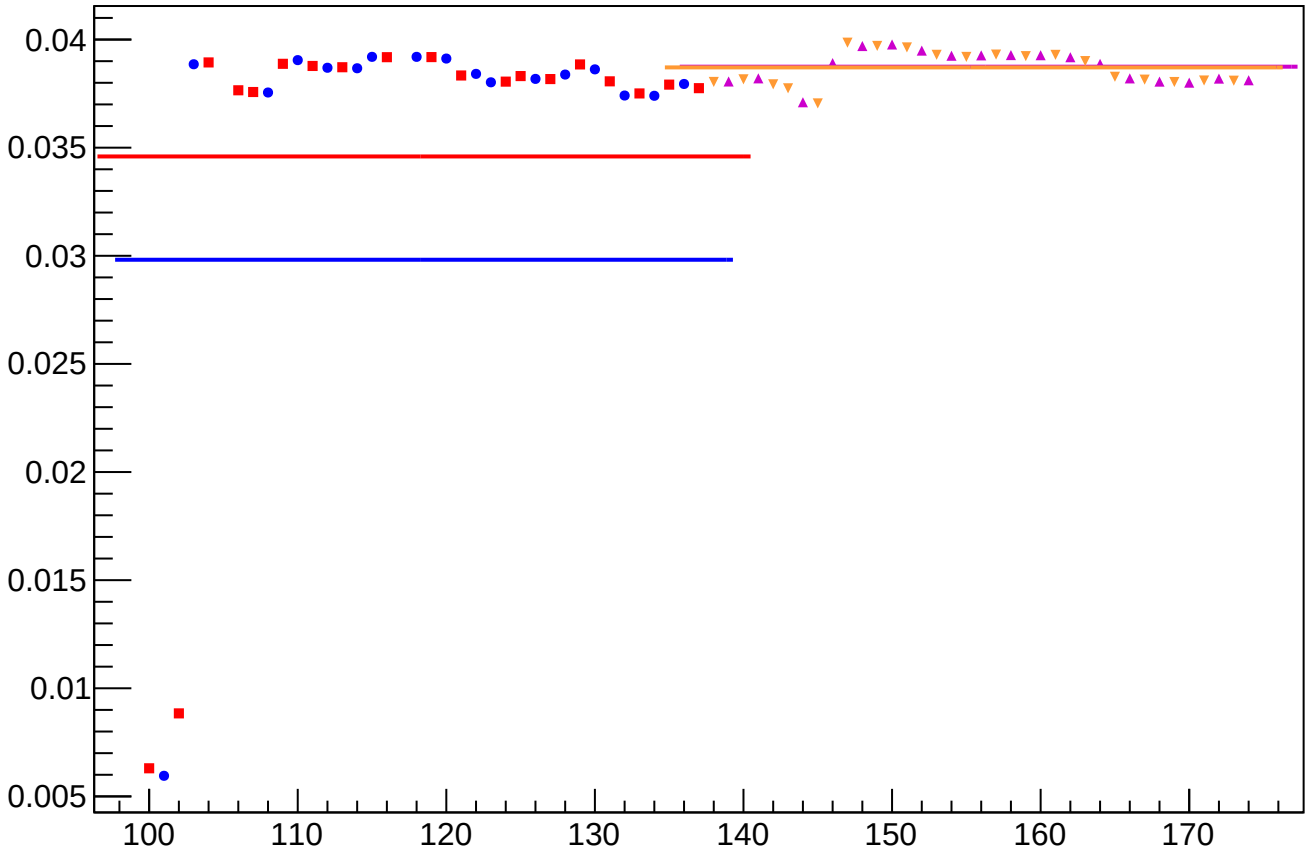
Right: 0.024+/-0.000 χ^2/NDF: 66286425044.9/35

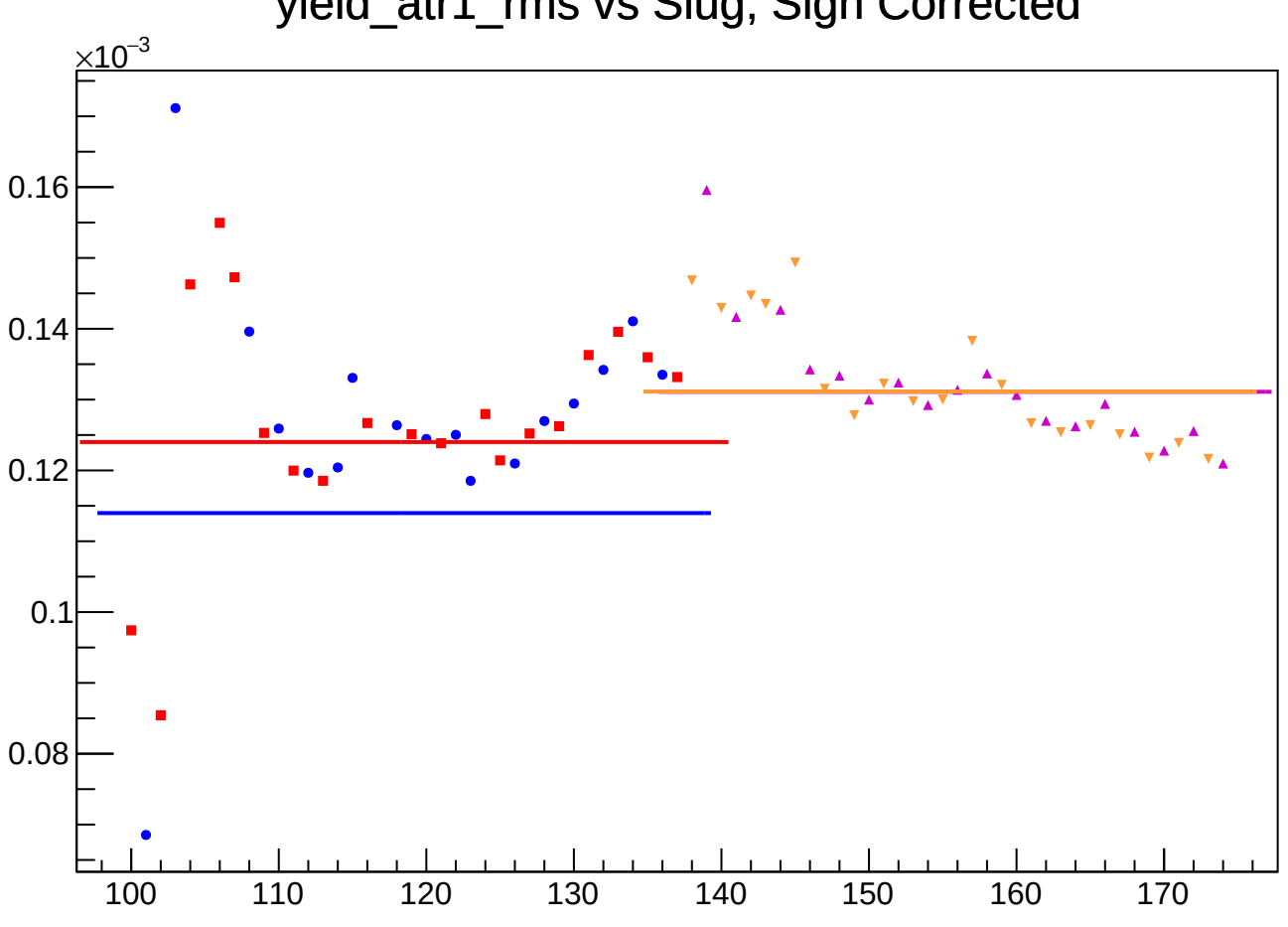
In: 0.024+/-0.000 χ^2/NDF:29359461977.9/34

Out: 0.012+/-0.000 χ^2/NDF:81682503419.0/37

All: 0.016+/-0.000 χ^2/NDF: 134703372235.4


yield_atl2_rms vs Slug, Sign Corrected
×10⁻³
0.7
0.6
0.5
0.4
0.3
0.2
0.1
100
110
120
130
140
150
160
170
Right In: 0.000+/-0.000 χ²/NDF: 2401048.9/16
Left Out: 0.000+/-0.000 χ²/NDF:12018408.1/18
Right Out: 0.000+/-0.000 χ²/NDF: 5341022.6/18
Left In: 0.000+/-0.000 χ²/NDF:2527189.8/17
Left: 0.000+/-0.000 χ²/NDF: 19597022.0/36
Right: 0.000+/-0.000 χ²/NDF: 8372315.9/35
In: 0.000+/-0.000 χ²/NDF:4949096.5/34
Out: 0.000+/-0.000 χ²/NDF:18157193.1/37
All: 0.000+/-0.000 χ²/NDF: 29074532.5/72


yield_atr1_mean vs Slug, Sign Corrected
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
110
120
130
140
150
160
170
Right In: 0.030+/-0.000 χ²/NDF: 97152184939.3/16
Left Out: 0.039+/-0.000 χ²/NDF:459230506.1/18
Right Out: 0.035+/-0.000 χ²/NDF: 43669374279.3/18
Left In: 0.039+/-0.000 χ²/NDF:412684088.6/17
Left: 0.039+/-0.000 χ²/NDF: 872359312.5/36
Right: 0.032+/-0.000 χ²/NDF: 145974720907.4/35
In: 0.035+/-0.000 χ²/NDF:121204636288.5/34
Out: 0.037+/-0.000 χ²/NDF:48903566819.9/37
All: 0.036+/-0.000 χ²/NDF: 172252585622.3



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:95755.4/17

Left: 0.000+/-0.000 χ^2/NDF: 199964.1/36

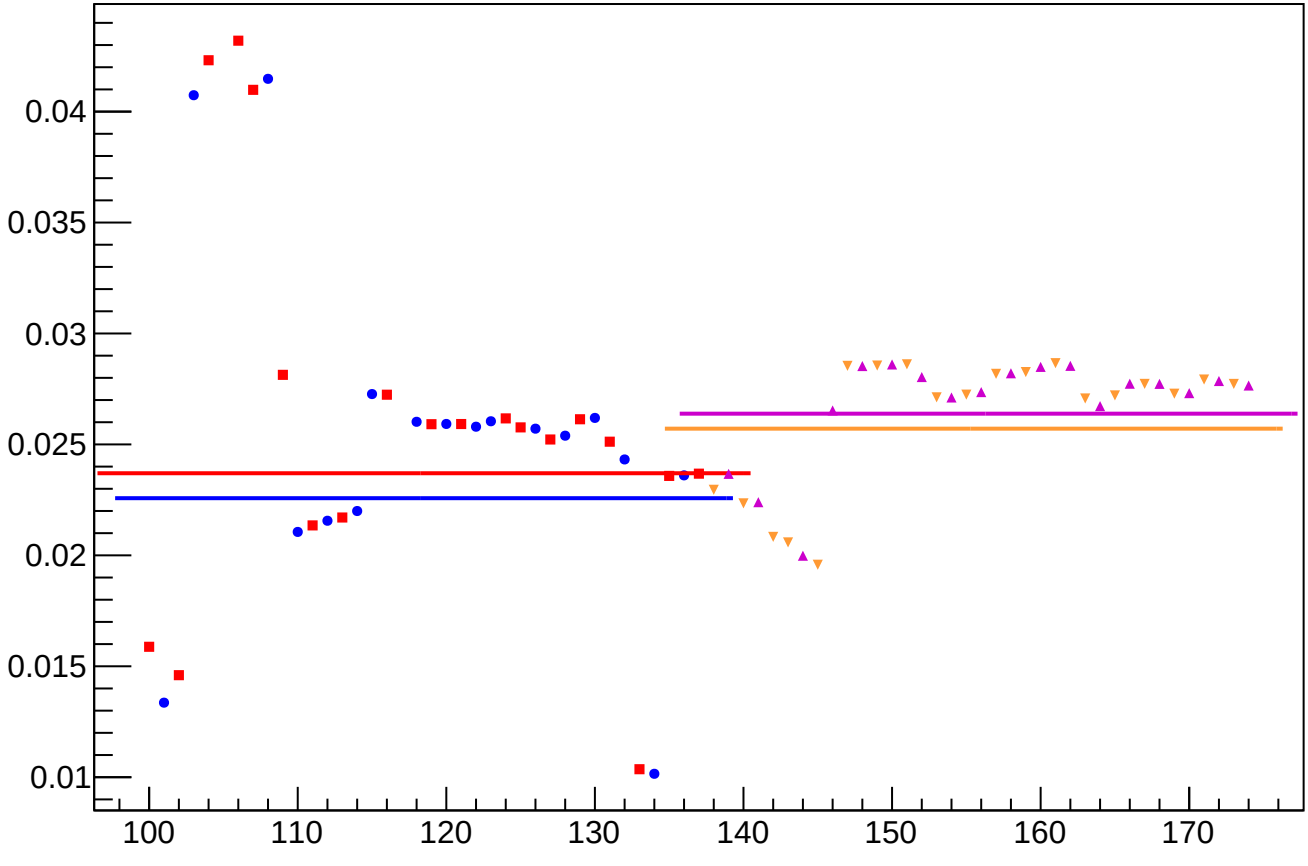
Right: 0.000+/-0.000 χ^2/NDF: 1085105.2/35

In: 0.000+/-0.000 χ^2/NDF:1064189.4/34

Out: 0.000+/-0.000 χ^2/NDF:377987.5/37

All: 0.000+/-0.000 χ^2/NDF: 1461374.2/72

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:1182114232.1/17

Left: 0.026+/-0.000 χ^2/NDF: 2970450067.7/36

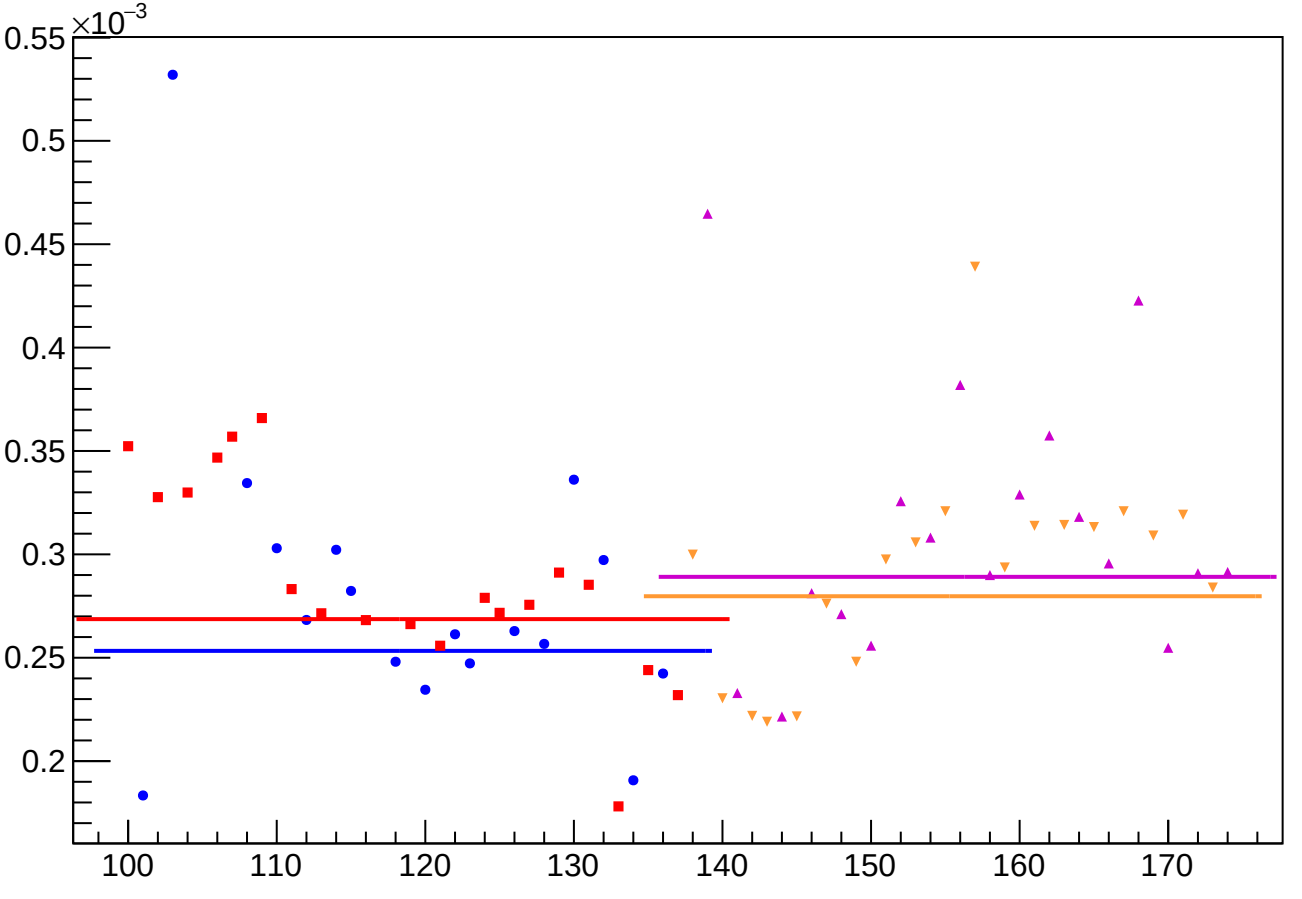
Right: 0.023+/-0.000 χ^2/NDF: 9954563356.3/35

In: 0.025+/-0.000 χ^2/NDF:6248700536.9/34

Out: 0.025+/-0.000 χ^2/NDF:7628946231.6/37

All: 0.025+/-0.000 χ^2/NDF: 13877978379.3/7

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:841800.3/17

Left: 0.000+/-0.000 χ^2/NDF: 1483910.1/36

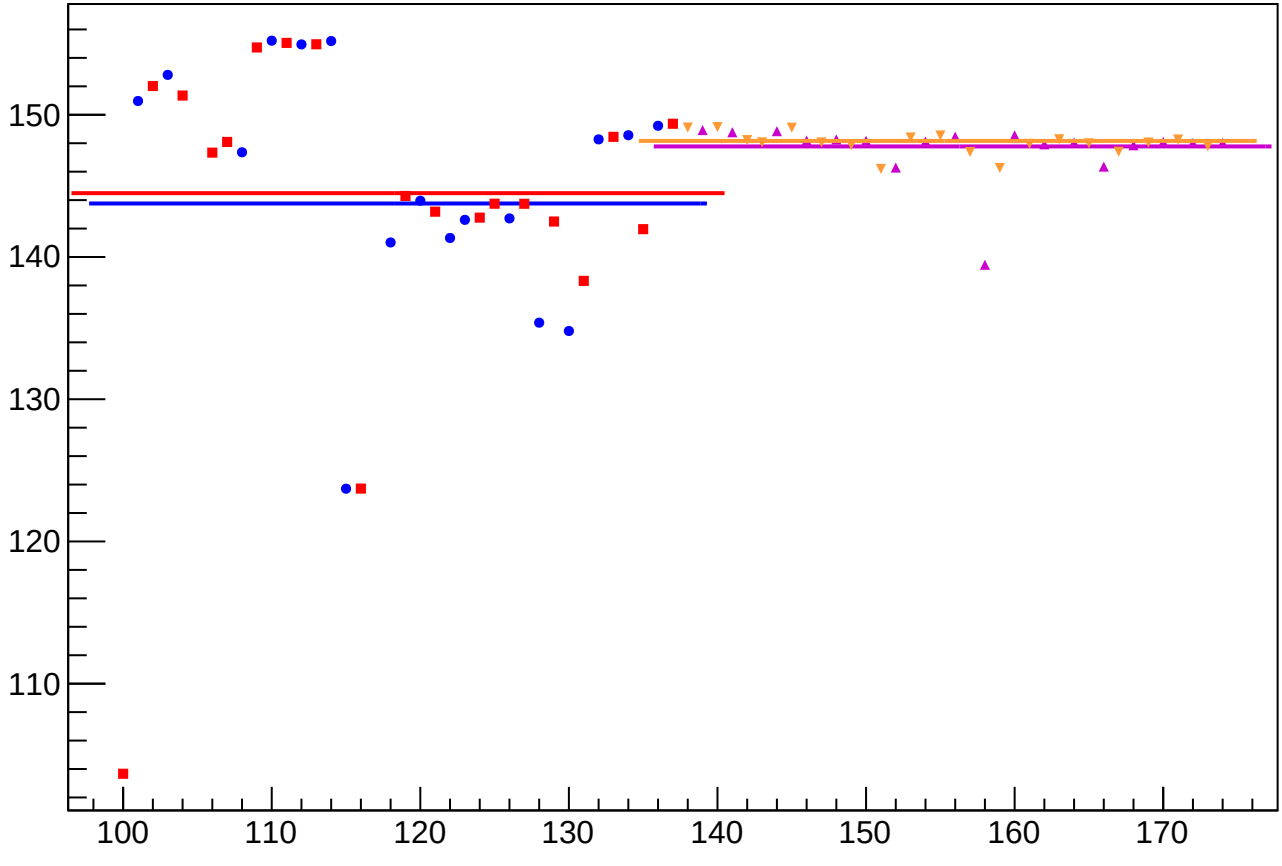
Right: 0.000+/-0.000 χ^2/NDF: 1078147.4/35

In: 0.000+/-0.000 χ^2/NDF:1615660.9/34

Out: 0.000+/-0.000 χ^2/NDF:1070390.5/37

All: 0.000+/-0.000 χ^2/NDF: 2686058.5/72

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763+/-0.000 χ^2/NDF: 3534699505.1/16

Left Out: 148.162+/-0.000 χ^2/NDF:52822249.5/18

Right Out: 144.490+/-0.000 χ^2/NDF: 4182548232.5/18

Left In: 147.775+/-0.000 χ^2/NDF:325906992.2/17

Left: 147.973+/-0.000 χ^2/NDF: 384524954.2/36

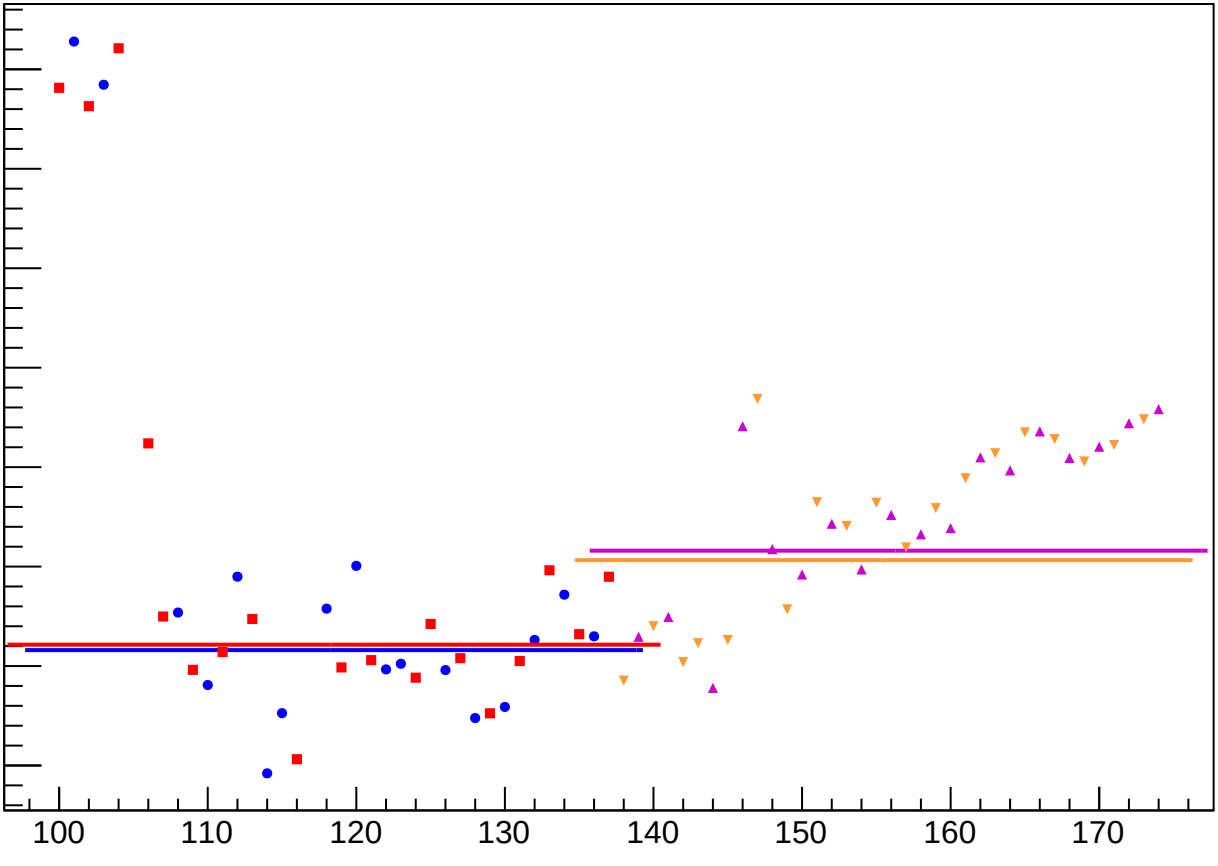
Right: 144.130+/-0.000 χ^2/NDF: 7732099987.4/35

In: 146.072+/-0.000 χ^2/NDF:4375819885.3/34

Out: 146.632+/-0.000 χ^2/NDF:4681104017.3/37

All: 146.357+/-0.000 χ^2/NDF: 9077847739.6

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: 0.416+/-0.000 χ^2/NDF:1116585.7/17

Left: 0.411+/-0.000 χ^2/NDF: 2428191.2/36

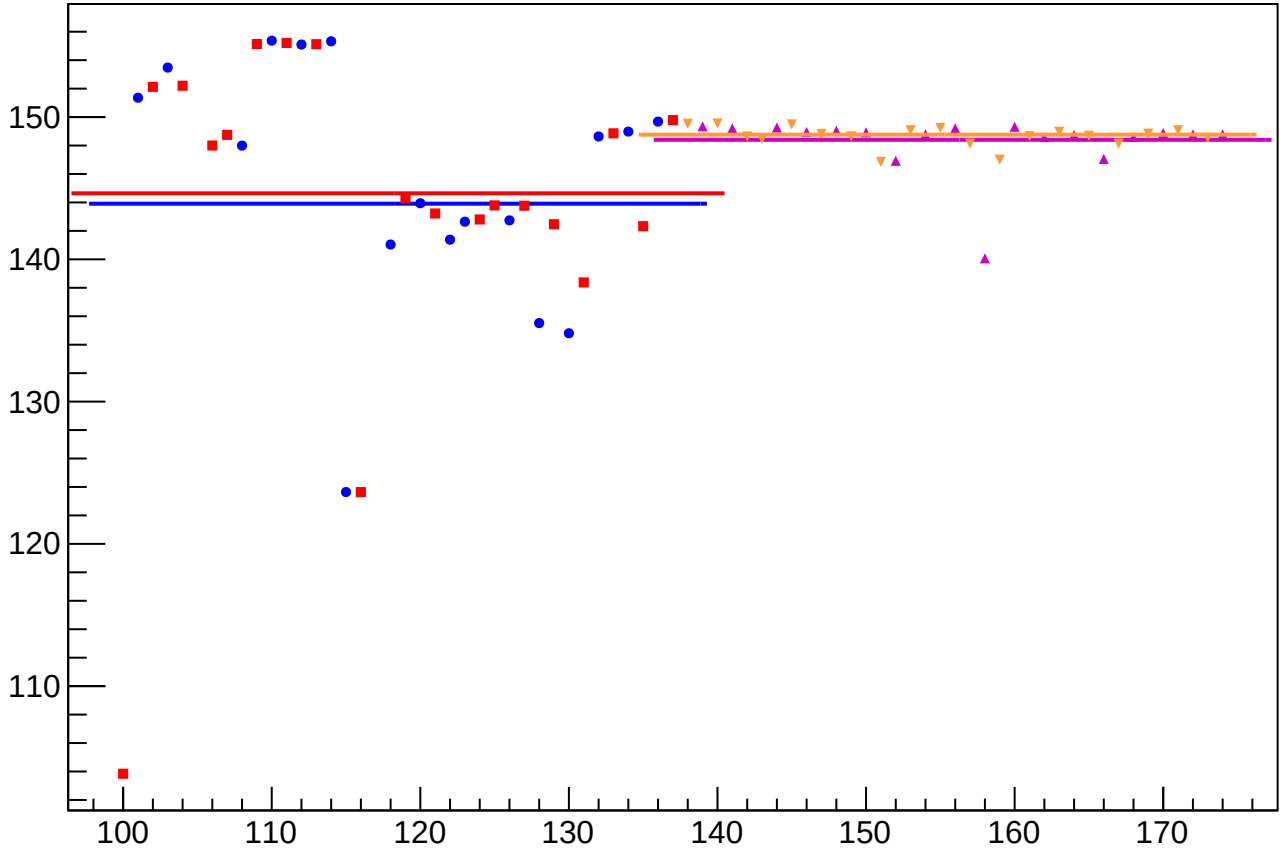
Right: 0.319+/-0.000 χ^2/NDF: 2486648.0/35

In: 0.374+/-0.000 χ^2/NDF:3022389.9/34

Out: 0.371+/-0.000 χ^2/NDF:3001991.6/37

All: 0.372+/-0.000 χ^2/NDF: 6025222.5/72

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912+/-0.000 χ^2/NDF: 3587769790.2/16

Left Out: 148.763+/-0.000 χ^2/NDF:41288014.9/18

Right Out: 144.640+/-0.000 χ^2/NDF: 4209610240.4/18

Left In: 148.402+/-0.000 χ^2/NDF:315626635.9/17

Left: 148.587+/-0.000 χ^2/NDF: 361854551.6/36

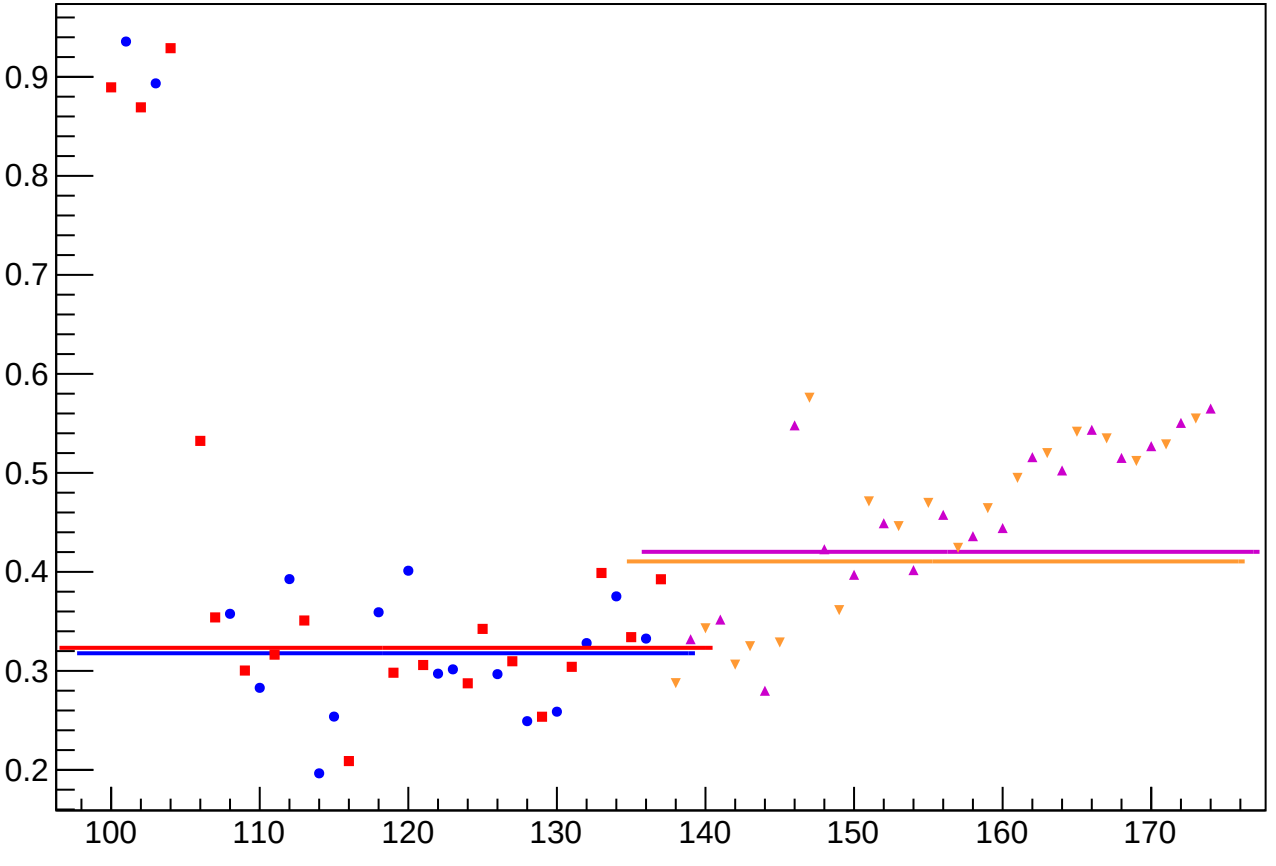
Right: 144.280+/-0.000 χ^2/NDF: 7812104995.9/35

In: 146.485+/-0.000 χ^2/NDF:4538648392.4/34

Out: 147.036+/-0.000 χ^2/NDF:4804070058.1/37

All: 146.766+/-0.000 χ^2/NDF: 9362617721.3

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: 0.420+/-0.000 χ^2/NDF:1137005.5/17

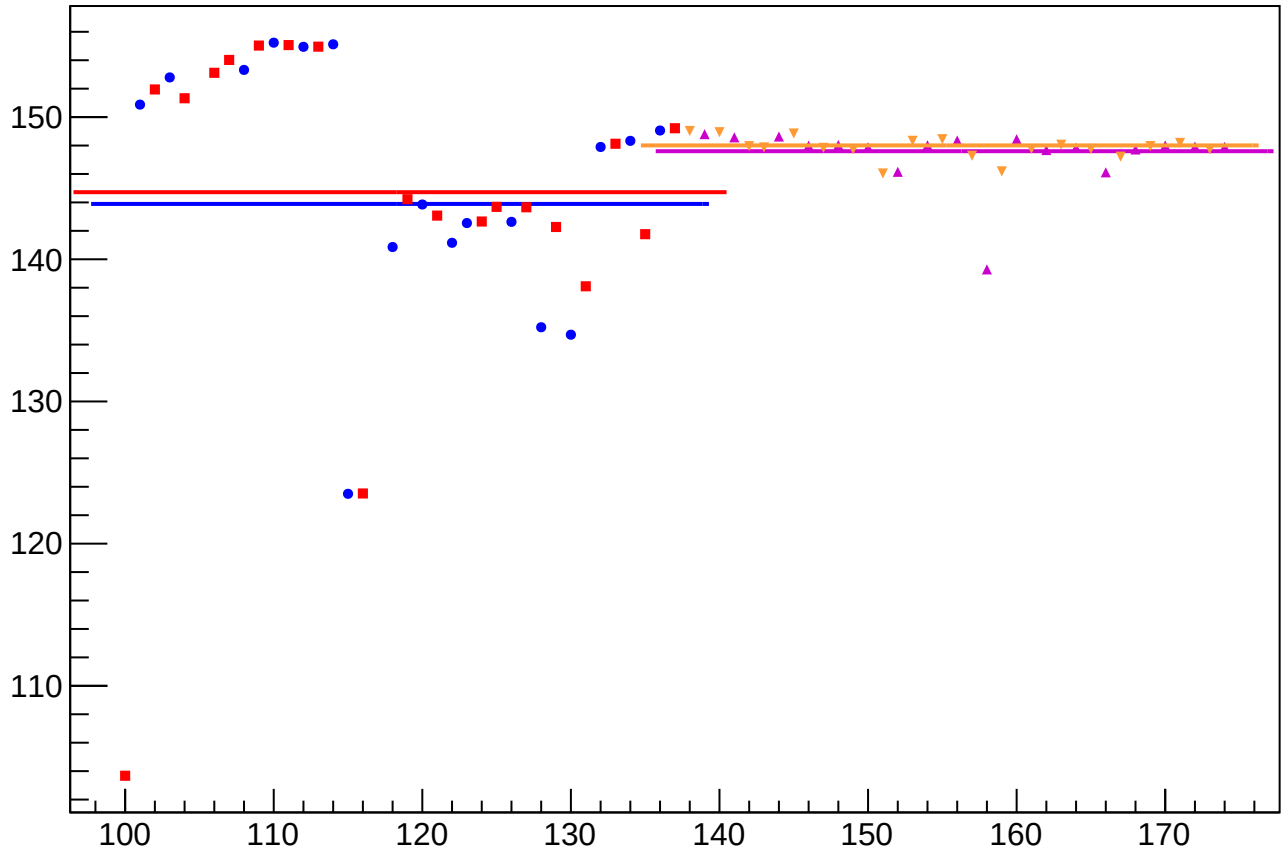
Left: 0.415+/-0.000 χ^2/NDF: 2472084.7/36

Right: 0.321+/-0.000 χ^2/NDF: 2492180.0/35

In: 0.377+/-0.000 χ^2/NDF:3066907.7/34

Out: 0.374+/-0.000 χ^2/NDF:3045920.9/37

All: 0.375+/-0.000 χ^2/NDF: 6113658.1/72



Right In: 143.893+/-0.000 χ^2/NDF: 3752655677.2/16

Left Out: 148.009+/-0.000 χ^2/NDF:51186122.3/18

Right Out: 144.719+/-0.000 χ^2/NDF: 4473225884.5/18

Left In: 147.602+/-0.000 χ^2/NDF:325162413.8/17

Left: 147.810+/-0.000 χ^2/NDF: 382720834.8/36

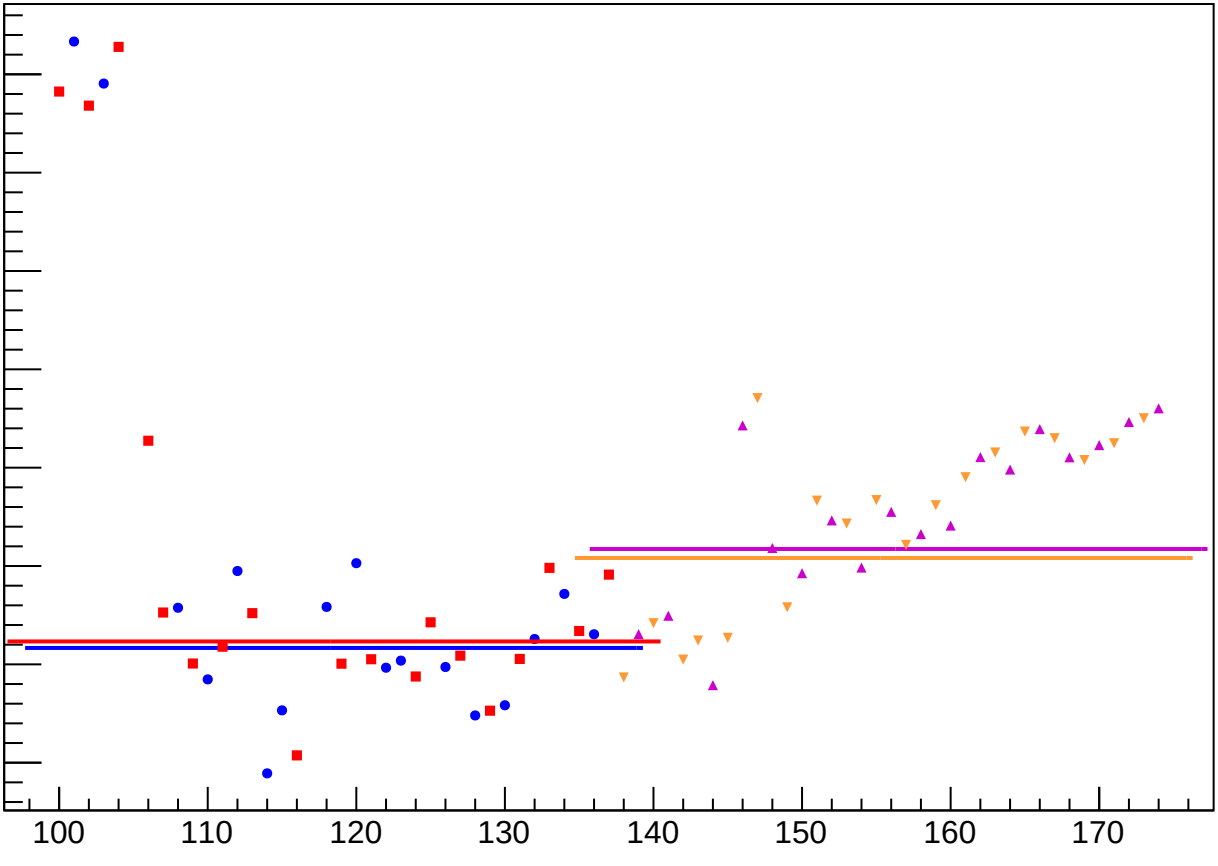
Right: 144.309+/-0.000 χ^2/NDF: 8244852440.8/35

In: 146.027+/-0.000 χ^2/NDF:4515251023.9/34

Out: 146.641+/-0.000 χ^2/NDF:4878688739.5/37

All: 146.339+/-0.000 χ^2/NDF: 9418830848.2

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF: 1280358.6/16

Left Out: 0.408+/-0.000 χ^2/NDF:1305725.6/18

Right Out: 0.323+/-0.000 χ^2/NDF: 1222784.7/18

Left In: 0.417+/-0.000 χ^2/NDF:1122437.9/17

Left: 0.413+/-0.000 χ^2/NDF: 2434558.1/36

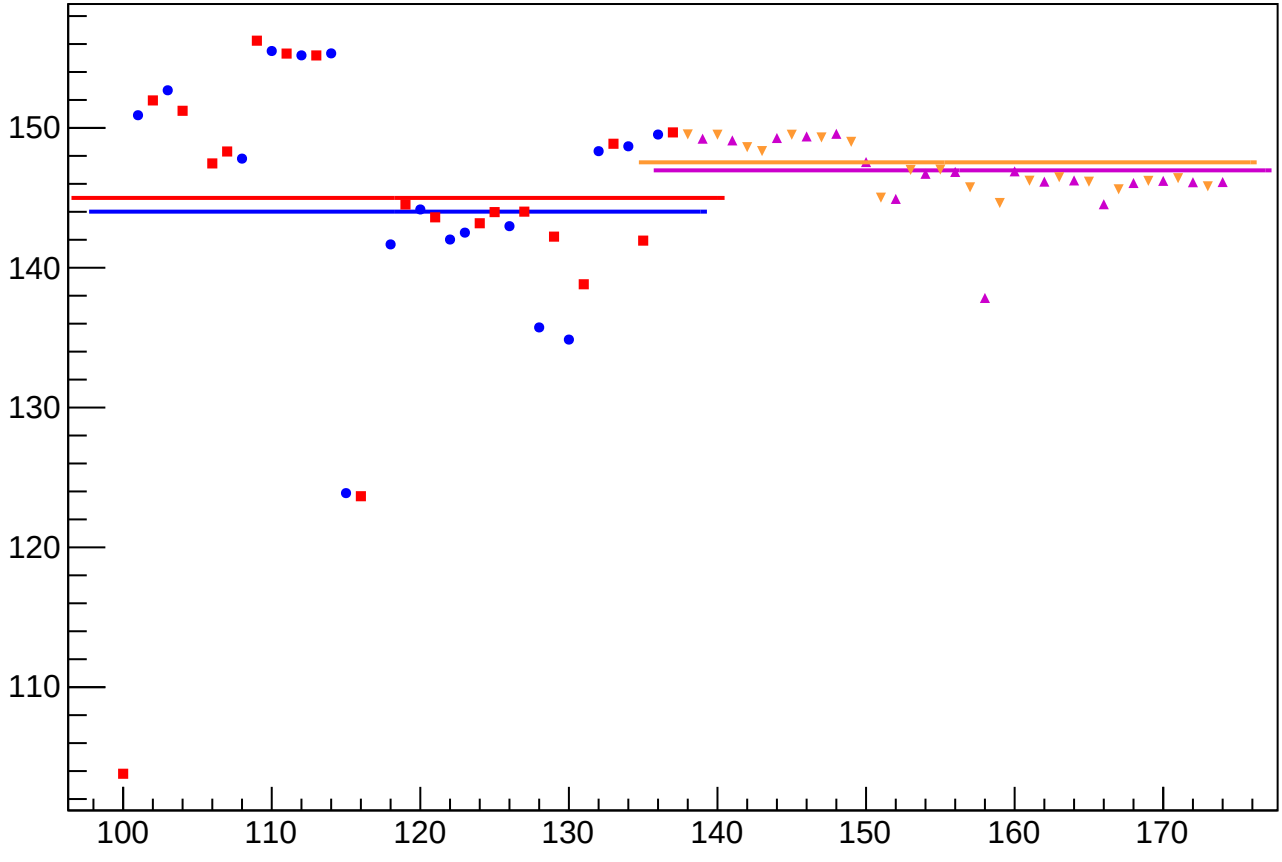
Right: 0.320+/-0.000 χ^2/NDF: 2505560.8/35

In: 0.375+/-0.000 χ^2/NDF:3046787.9/34

Out: 0.373+/-0.000 χ^2/NDF:3000245.1/37

All: 0.374+/-0.000 χ^2/NDF: 6047428.9/72

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012+/-0.000 χ^2/NDF: 3241696920.3/16

Left Out: 147.539+/-0.000 χ^2/NDF:207856358.4/18

Right Out: 144.994+/-0.000 χ^2/NDF: 3852381452.1/18

Left In: 146.965+/-0.000 χ^2/NDF:508840077.7/17

Left: 147.259+/-0.000 χ^2/NDF: 728554702.9/36

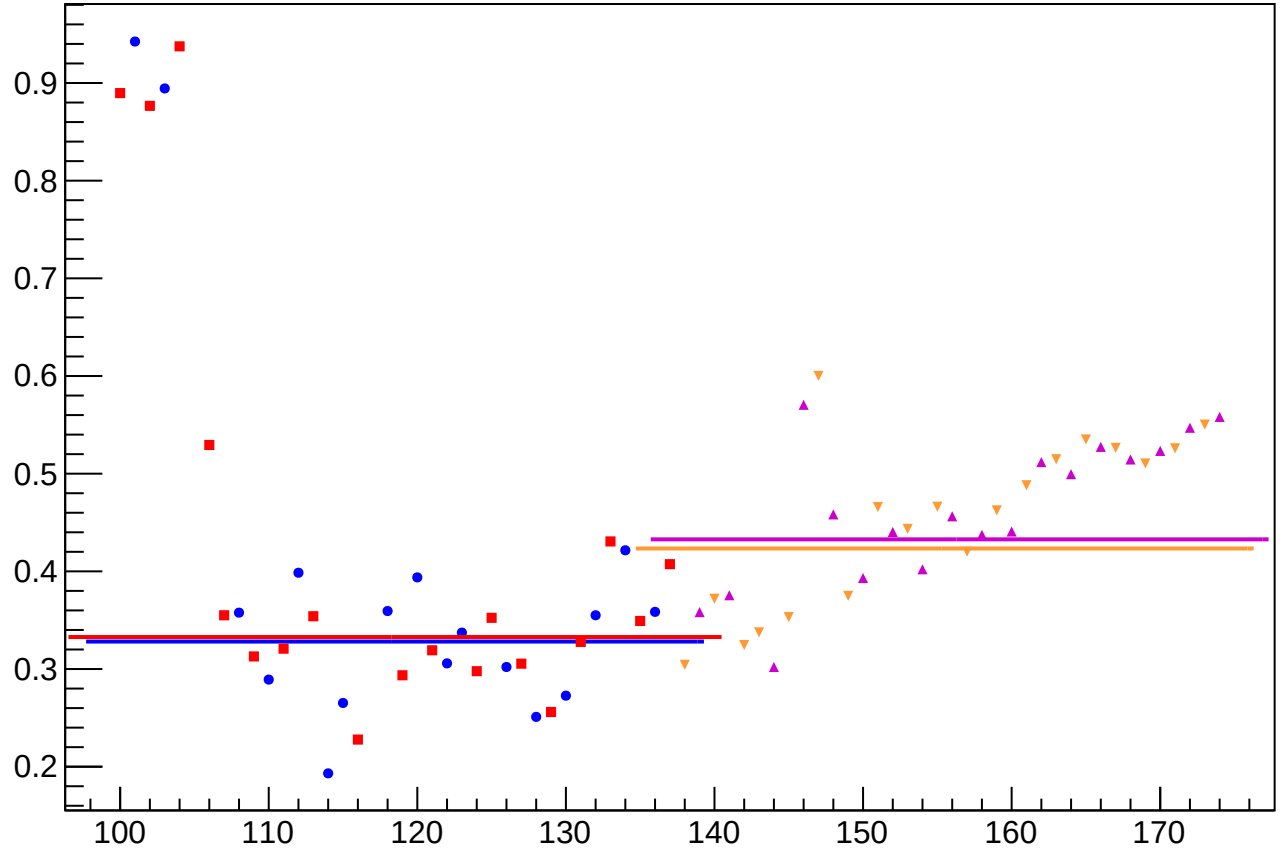
Right: 144.510+/-0.000 χ^2/NDF: 7119138597.7/35

In: 145.719+/-0.000 χ^2/NDF:4009185194.4/34

Out: 146.476+/-0.000 χ^2/NDF:4259591977.7/37

All: 146.105+/-0.000 χ^2/NDF: 8304335040.5

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: 0.433+/-0.000 χ^2/NDF:853982.1/17

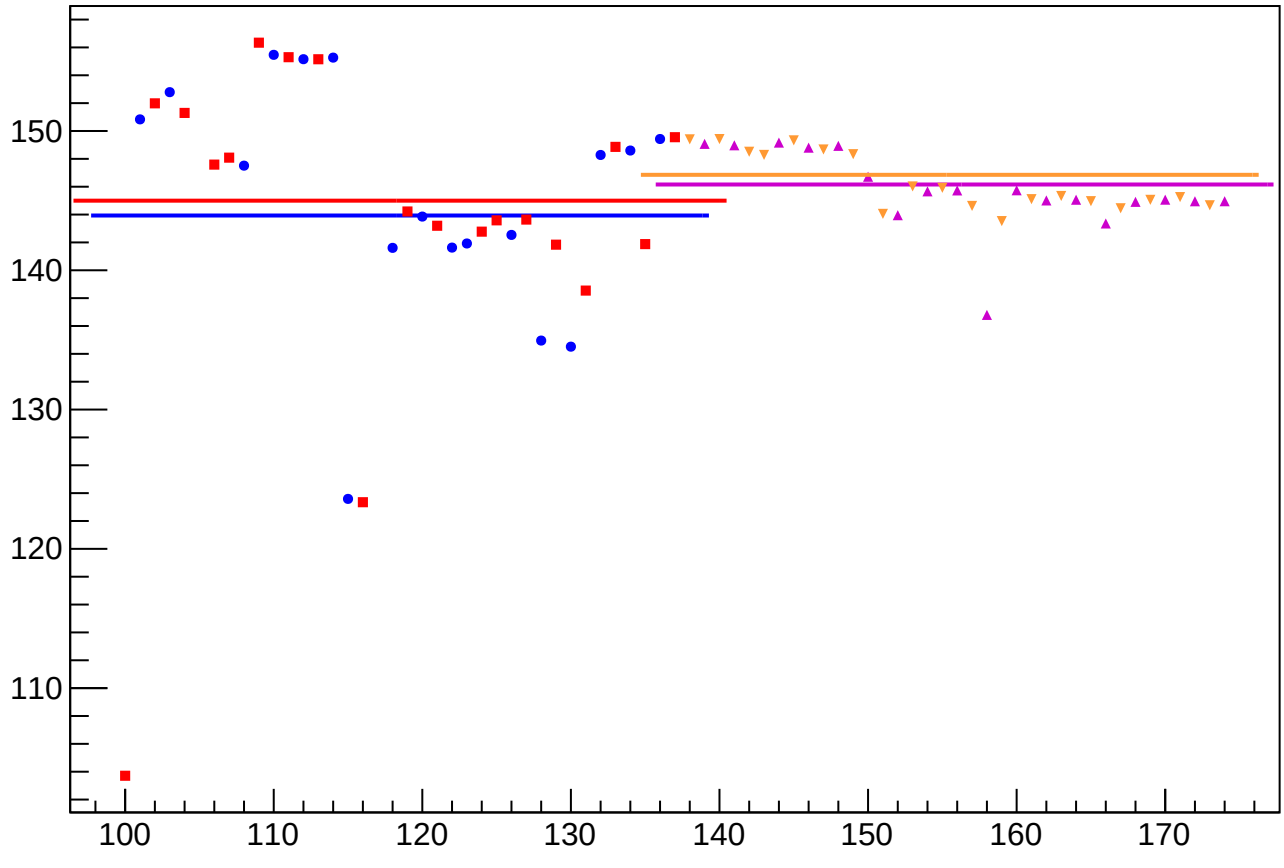
Left: 0.428+/-0.000 χ^2/NDF: 1878197.2/36

Right: 0.330+/-0.000 χ^2/NDF: 2452140.8/35

In: 0.389+/-0.000 χ^2/NDF:2769552.2/34

Out: 0.386+/-0.000 χ^2/NDF:2708540.7/37

All: 0.387+/-0.000 χ^2/NDF: 5479247.8/72



Right In: 143.932+/-0.000 χ^2/NDF: 3383012861.2/16

Left Out: 146.854+/-0.000 χ^2/NDF:323277621.6/18

Right Out: 144.998+/-0.000 χ^2/NDF: 3932958476.0/18

Left In: 146.159+/-0.000 χ^2/NDF:633120392.1/17

Left: 146.515+/-0.000 χ^2/NDF: 973708069.8/36

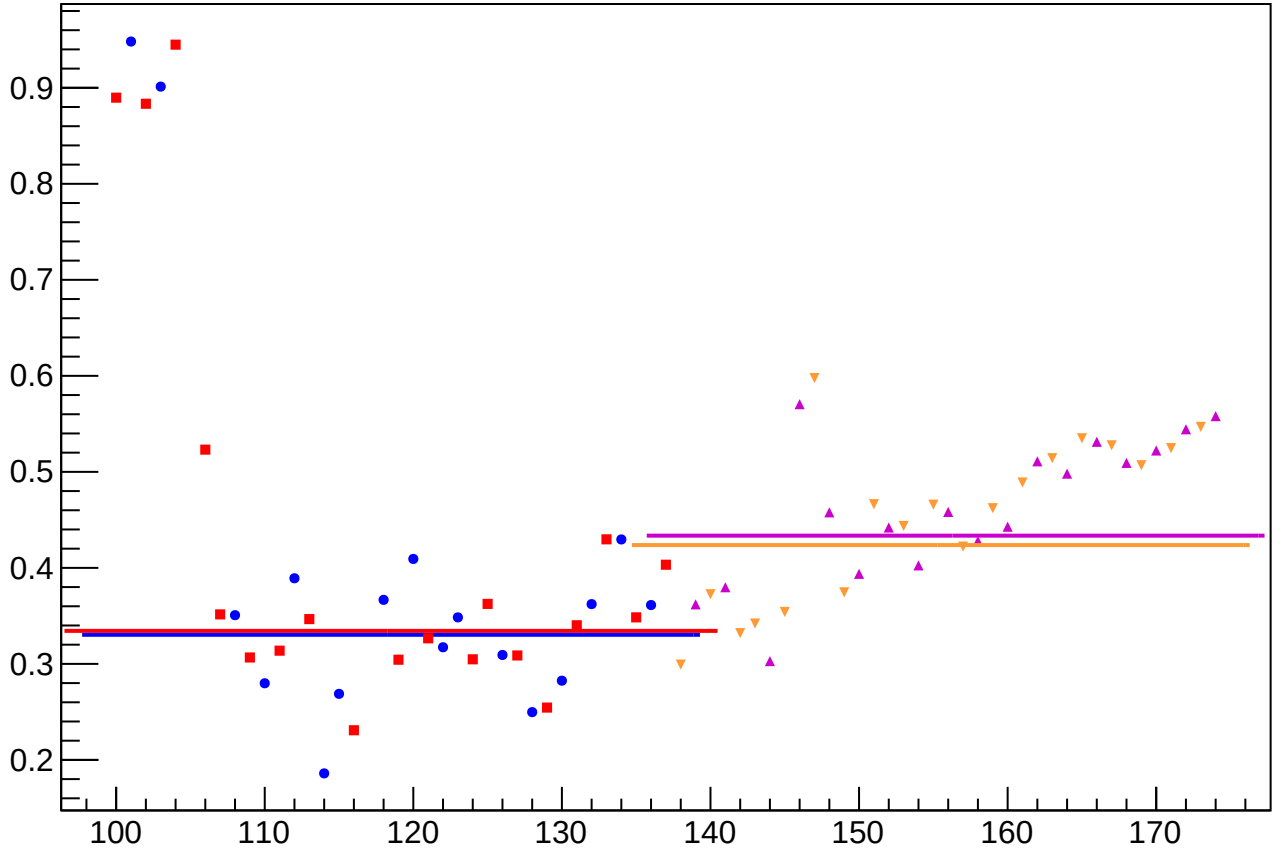
Right: 144.474+/-0.000 χ^2/NDF: 7345100324.4/35

In: 145.226+/-0.000 χ^2/NDF:4161480133.8/34

Out: 146.083+/-0.000 χ^2/NDF:4361352085.0/37

All: 145.664+/-0.000 χ^2/NDF: 8567961144.5

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: 0.434+/-0.000 χ^2/NDF:825822.7/17

Left: 0.429+/-0.000 χ^2/NDF: 1839840.8/36

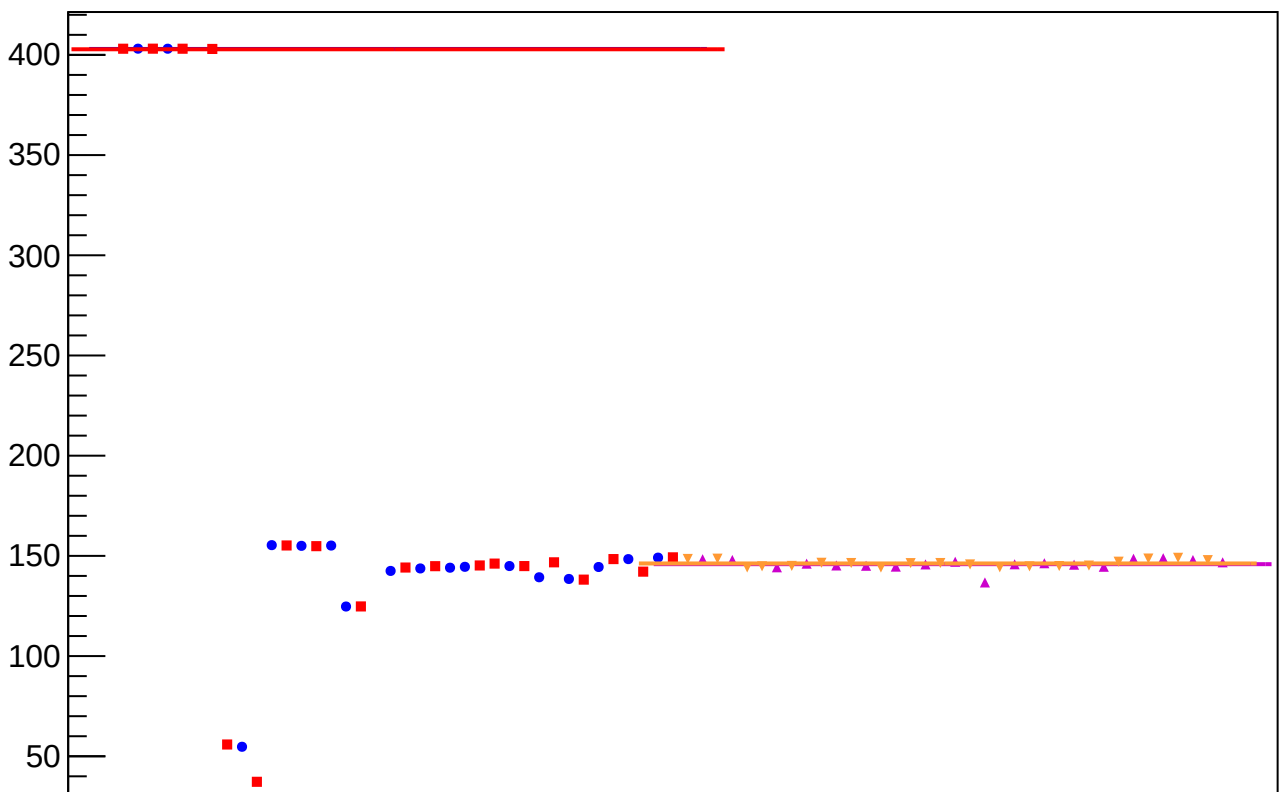
Right: 0.332+/-0.000 χ^2/NDF: 2458819.5/35

In: 0.390+/-0.000 χ^2/NDF:2735051.6/34

Out: 0.387+/-0.000 χ^2/NDF:2668638.5/37

All: 0.388+/-0.000 χ^2/NDF: 5405365.6/72

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000 χ^2/NDF: 1094364588383.4/16

Left Out: 146.216+/-0.000 χ^2/NDF:73346646.5/18

Right Out: 402.799+/-0.000 χ^2/NDF: 3102036567767.5/18

Left In: 145.864+/-0.000 χ^2/NDF:170520989.3/17

Left: 146.039+/-0.000 χ^2/NDF: 245579535.2/36

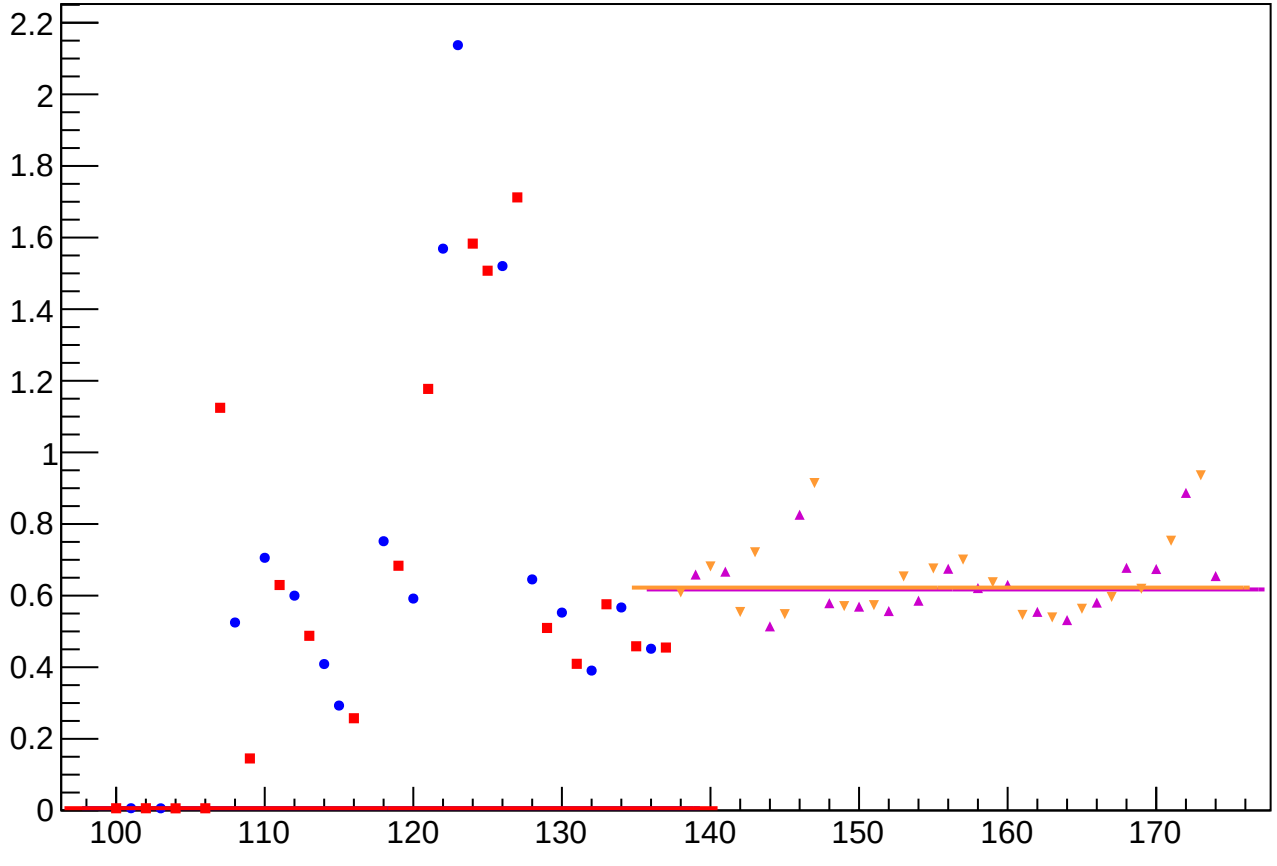
Right: 402.873+/-0.000 χ^2/NDF: 4196818264482.1/

In: 402.729+/-0.000 χ^2/NDF:2924407362308.6/34

Out: 402.599+/-0.000 χ^2/NDF:4905335680750.9/3

All: 402.660+/-0.000 χ^2/NDF: 783002116462

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: 0.617+/-0.000 χ^2/NDF:350555.2/17

Left: 0.620+/-0.000 χ^2/NDF: 811427.8/36

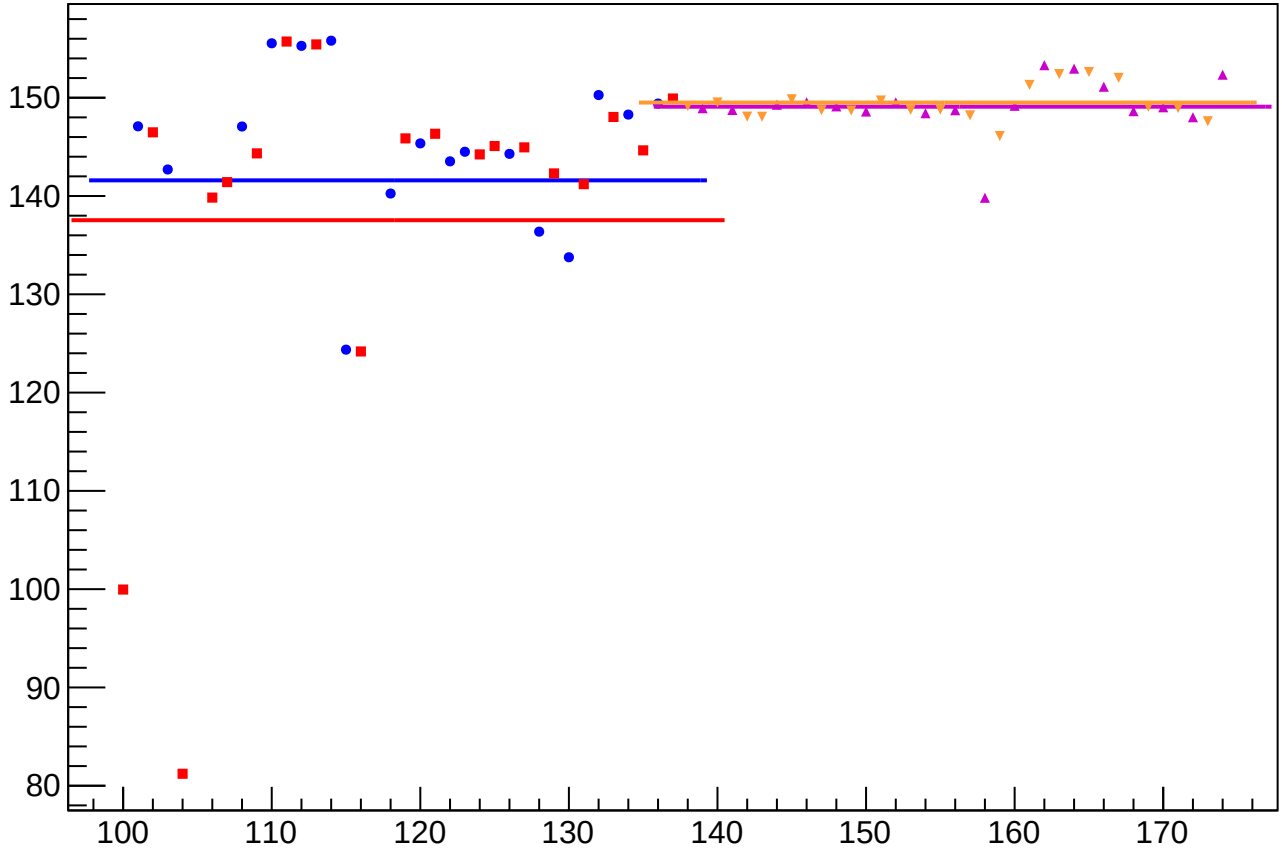
Right: 0.006+/-0.000 χ^2/NDF: 18272681.8/35

In: 0.007+/-0.000 χ^2/NDF:30093101.8/34

Out: 0.007+/-0.000 χ^2/NDF:30445542.4/37

All: 0.007+/-0.000 χ^2/NDF: 60538829.0/72

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593+/-0.000 χ^2/NDF: 980101868.2/16

Left Out: 149.510+/-0.000 χ^2/NDF:123113438.9/18

Right Out: 137.539+/-0.000 χ^2/NDF: 1316096307.7/18

Left In: 149.088+/-0.000 χ^2/NDF:387488300.5/17

Left: 149.301+/-0.000 χ^2/NDF: 514176146.9/36

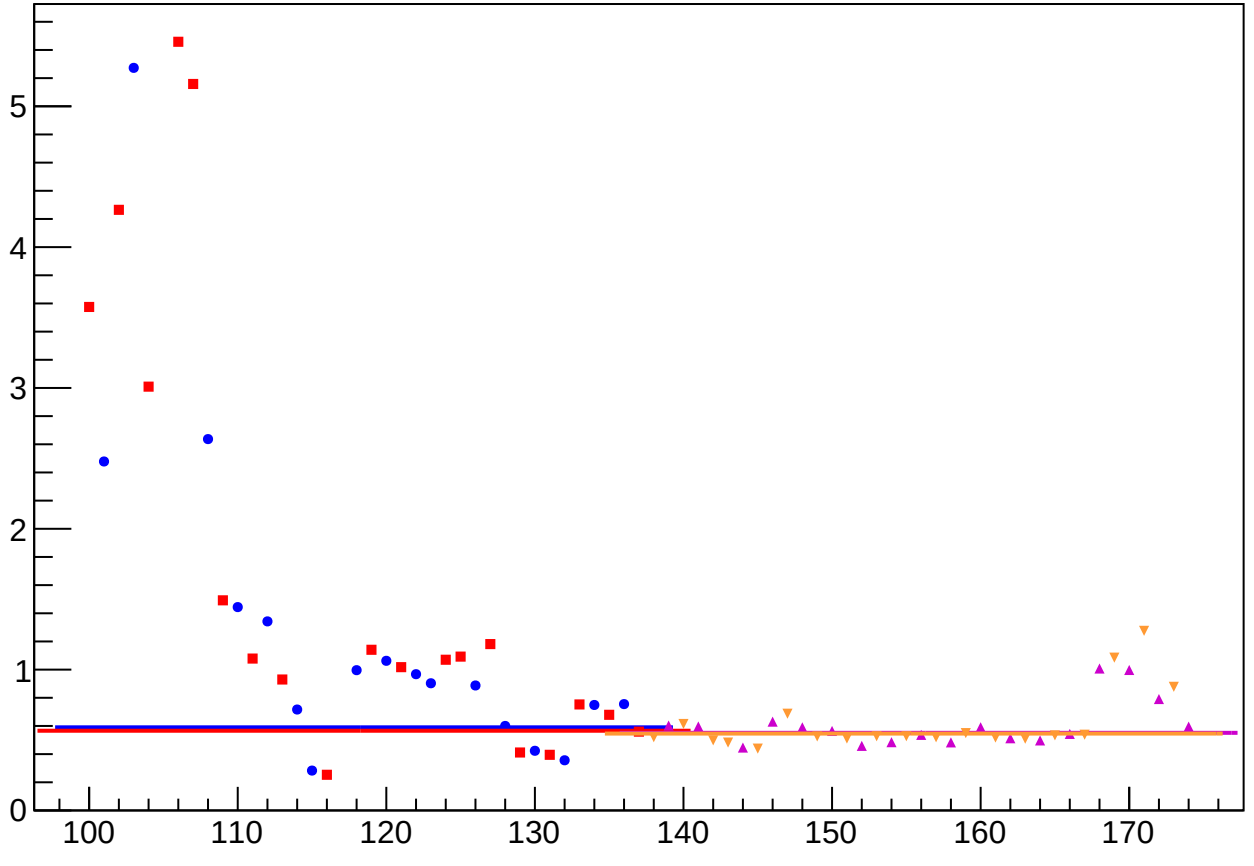
Right: 139.514+/-0.000 χ^2/NDF: 2381261600.7/35

In: 147.565+/-0.000 χ^2/NDF:1819417475.2/34

Out: 147.022+/-0.000 χ^2/NDF:2645109702.4/37

All: 147.290+/-0.000 χ^2/NDF: 4471957024.1

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590+/-0.000 χ^2/NDF: 3491995.1/16

Left Out: 0.546+/-0.000 χ^2/NDF:1217795.5/18

Right Out: 0.566+/-0.000 χ^2/NDF: 4683596.4/18

Left In: 0.551+/-0.000 χ^2/NDF:967530.5/17

Left: 0.549+/-0.000 χ^2/NDF: 2186454.5/36

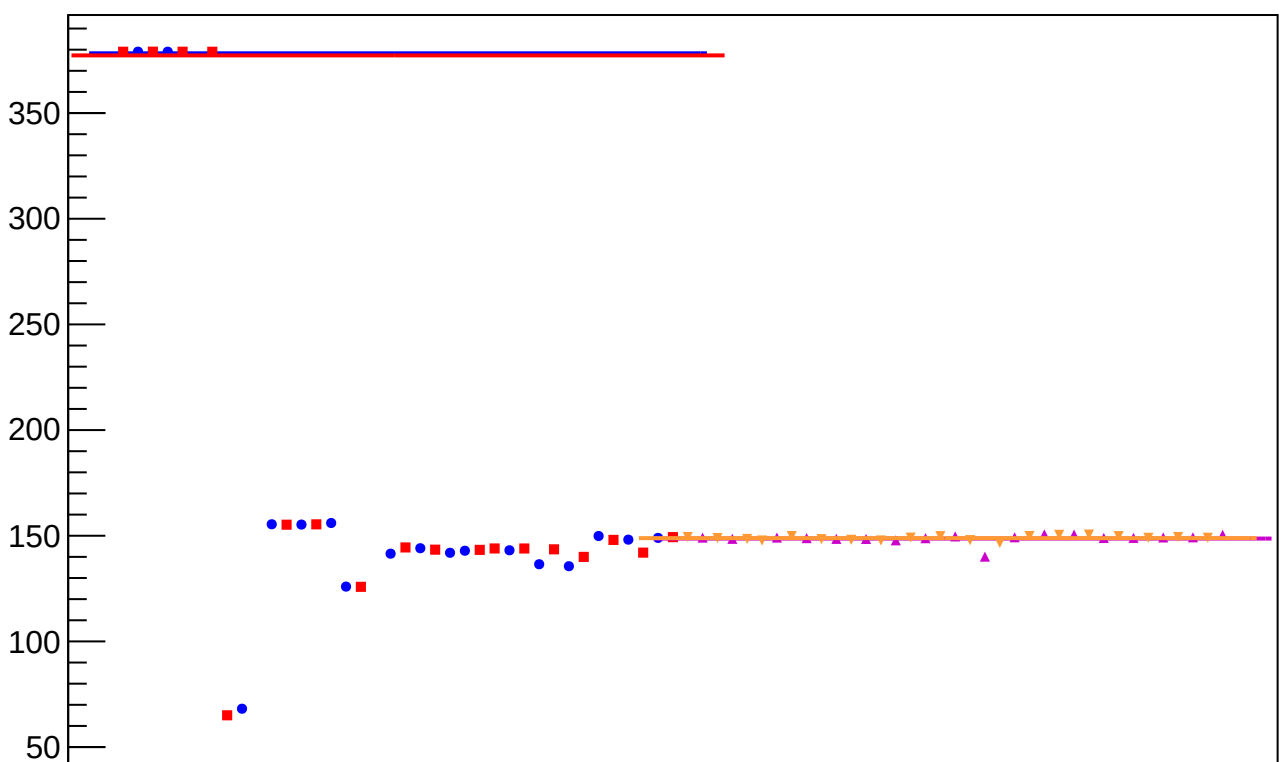
Right: 0.578+/-0.000 χ^2/NDF: 8181648.0/35

In: 0.559+/-0.000 χ^2/NDF:4484033.8/34

Out: 0.550+/-0.000 χ^2/NDF:5908226.2/37

All: 0.555+/-0.000 χ^2/NDF: 10396387.0/72

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000 χ^2/NDF: 2508313421453.8/16

Left Out: 148.870+/-0.000 χ^2/NDF:60695847.9/18

Right Out: 377.287+/-0.000 χ^2/NDF: 8286303106836.4/18

Left In: 148.660+/-0.000 χ^2/NDF:243058953.2/17

Left: 148.769+/-0.000 χ^2/NDF: 305119059.5/36

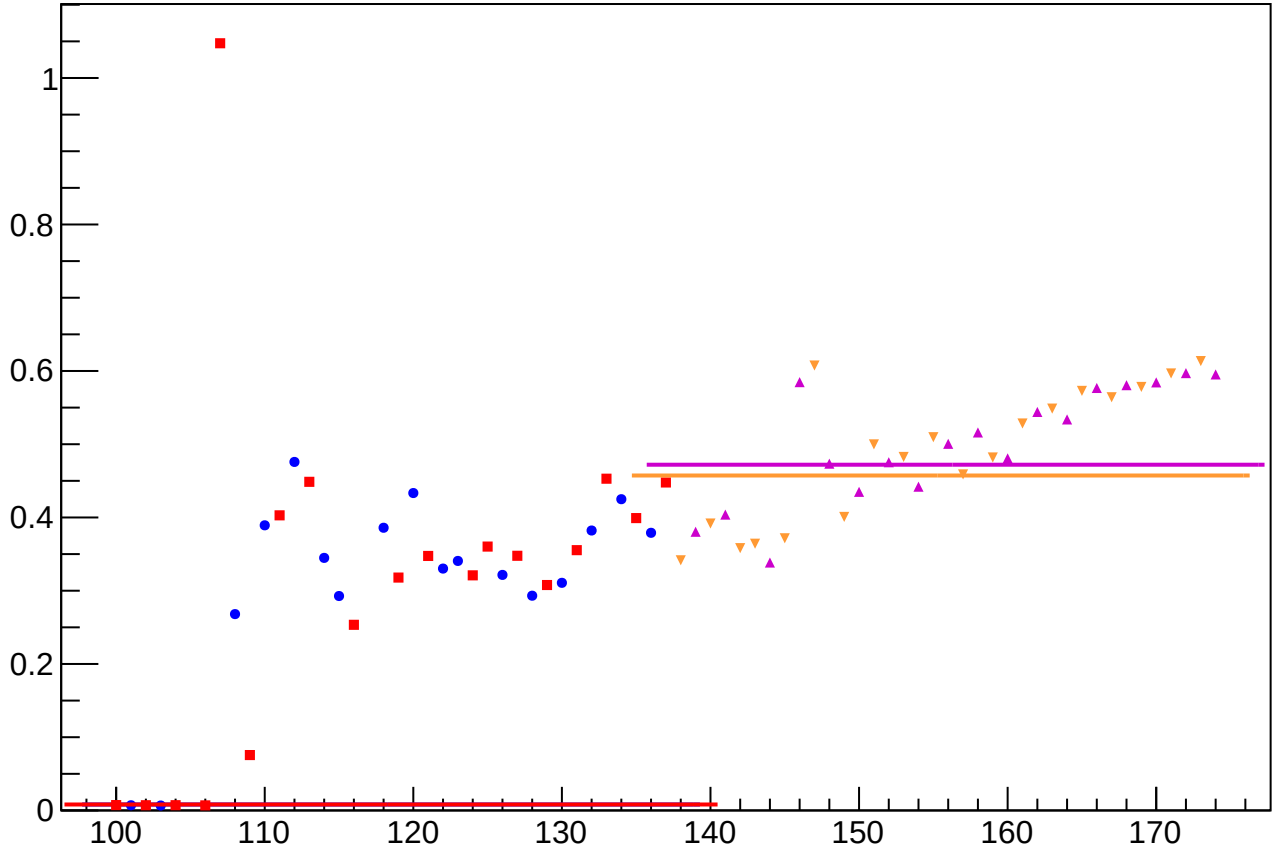
Right: 377.752+/-0.000 χ^2/NDF: 10801647529340.

In: 377.261+/-0.000 χ^2/NDF:5631421594965.0/34

Out: 376.334+/-0.000 χ^2/NDF:11591455739461.8

All: 376.767+/-0.000 χ^2/NDF: 17229003318

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: 0.472+/-0.000 χ^2/NDF:807435.4/17

Left: 0.464+/-0.000 χ^2/NDF: 1831534.3/36

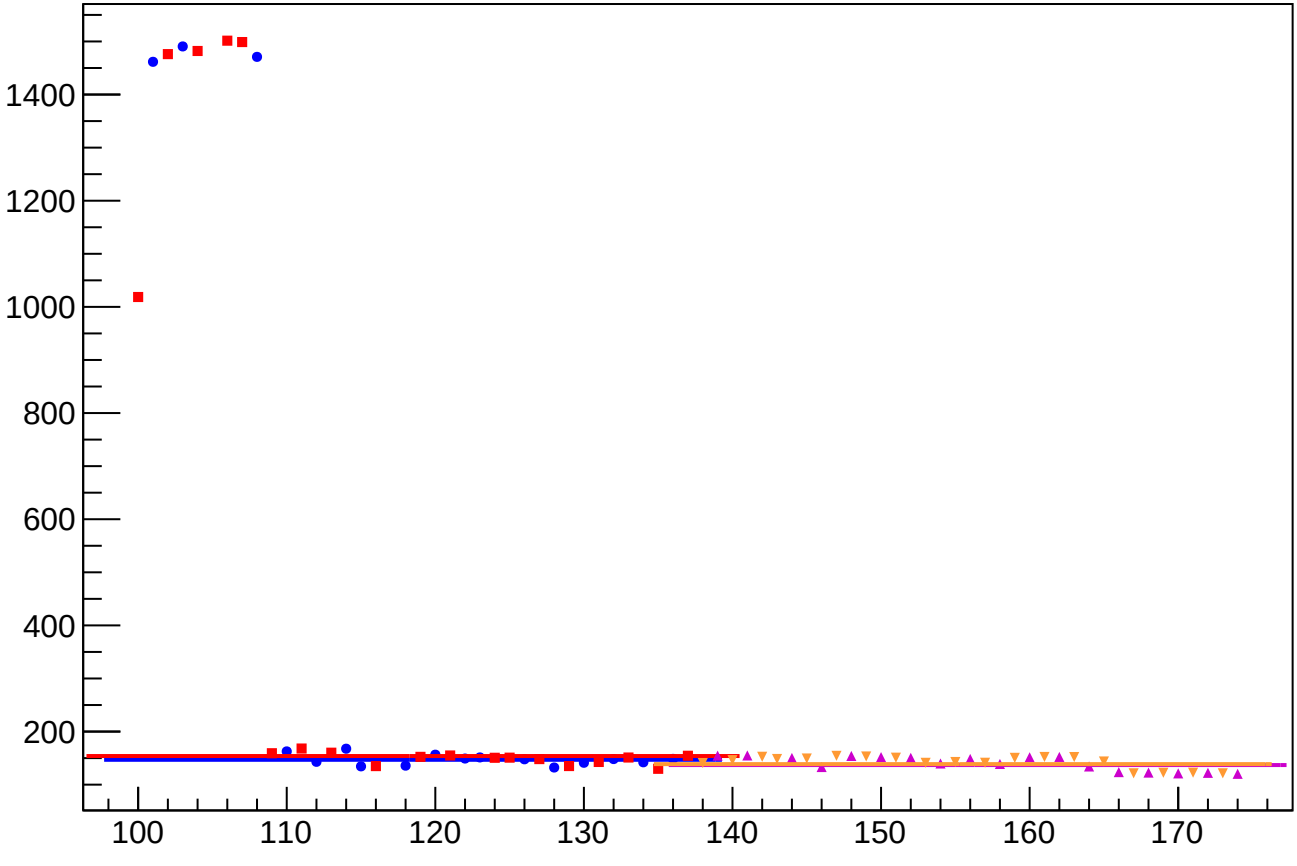
Right: 0.008+/-0.000 χ^2/NDF: 19329555.6/35

In: 0.010+/-0.000 χ^2/NDF:36105812.7/34

Out: 0.010+/-0.000 χ^2/NDF:36093033.3/37

All: 0.010+/-0.000 χ^2/NDF: 72199230.4/72

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: 136.911+/-0.000 χ^2/NDF:3223808015.7/17

Left: 137.797+/-0.000 χ^2/NDF: 6090697329.9/36

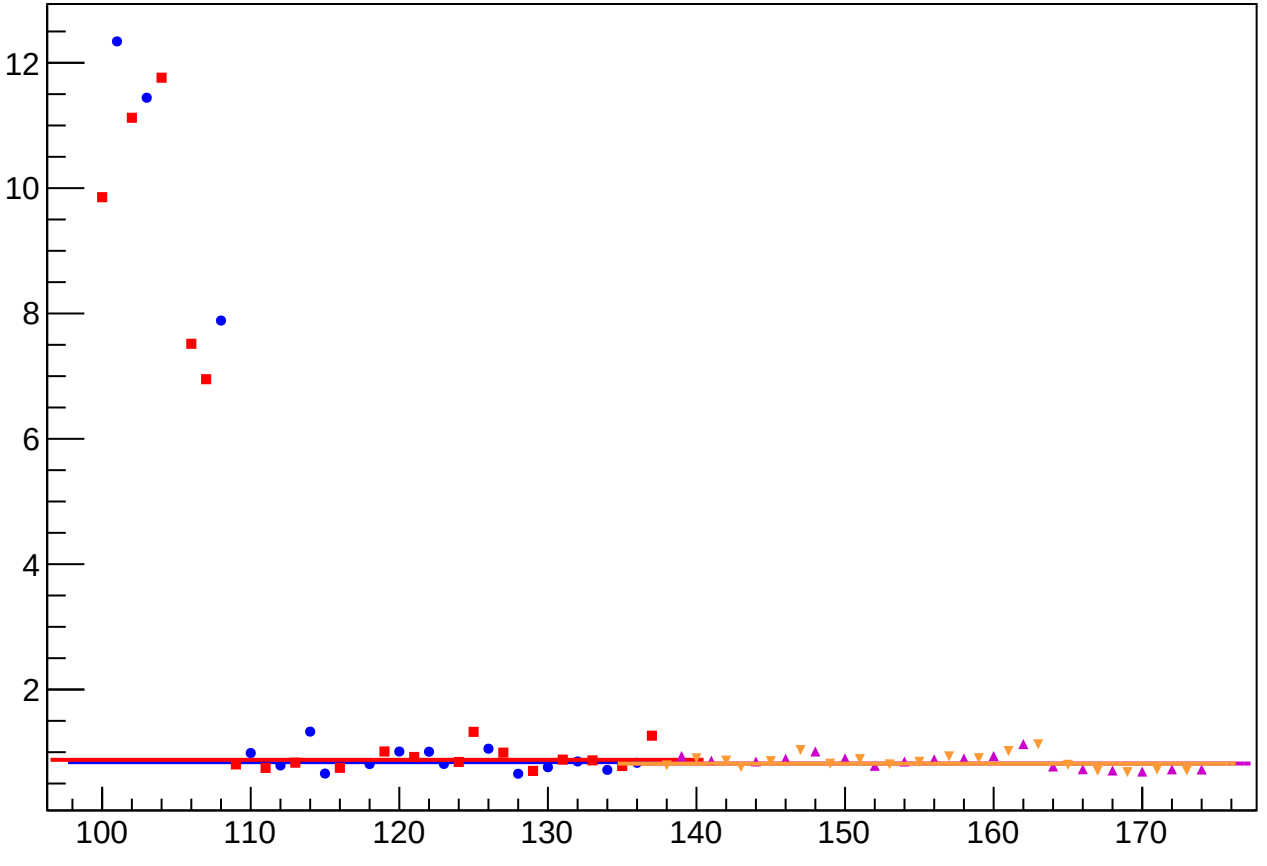
Right: 150.348+/-0.000 χ^2/NDF: 58231390734.2/35

In: 139.223+/-0.000 χ^2/NDF:27985234301.1/34

Out: 142.217+/-0.000 χ^2/NDF:37517262743.9/37

All: 140.719+/-0.000 χ^2/NDF: 65604616221.

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: 0.819+/-0.000 χ^2/NDF:402145.8/17

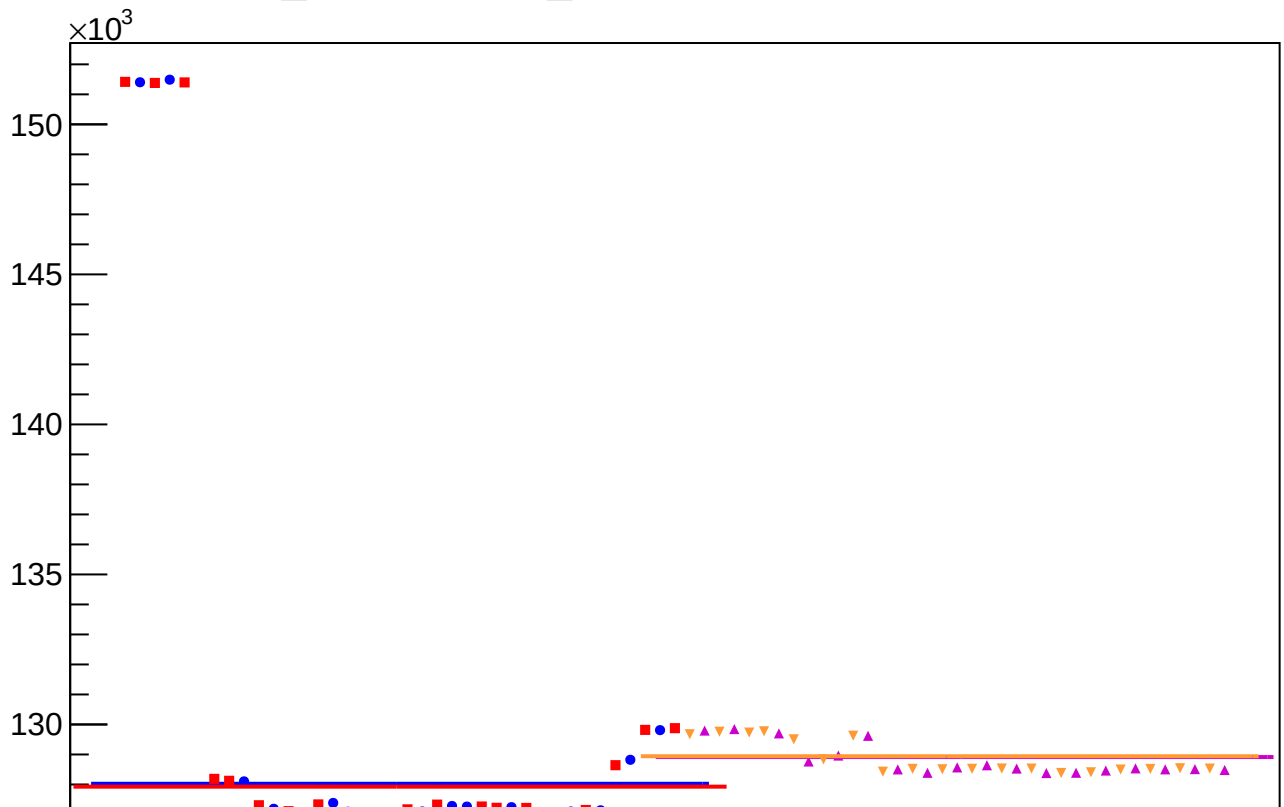
Left: 0.818+/-0.000 χ^2/NDF: 836715.9/36

Right: 0.860+/-0.000 χ^2/NDF: 5484331.4/35

In: 0.824+/-0.000 χ^2/NDF:3068533.3/34

Out: 0.831+/-0.000 χ^2/NDF:3279495.3/37

All: 0.828+/-0.000 χ^2/NDF: 6349184.7/72



Right In: 128023.527+/-0.055 χ^2/NDF: 4316540586.9/16

Left Out: 128941.504+/-0.050 χ^2/NDF:126777085.1/18

Right Out: 127927.471+/-0.050 χ^2/NDF: 3767047216.9/18

Left In: 128914.110+/-0.052 χ^2/NDF:115243559.6/17

Left: 128928.248+/-0.036 χ^2/NDF: 242166122.5/36

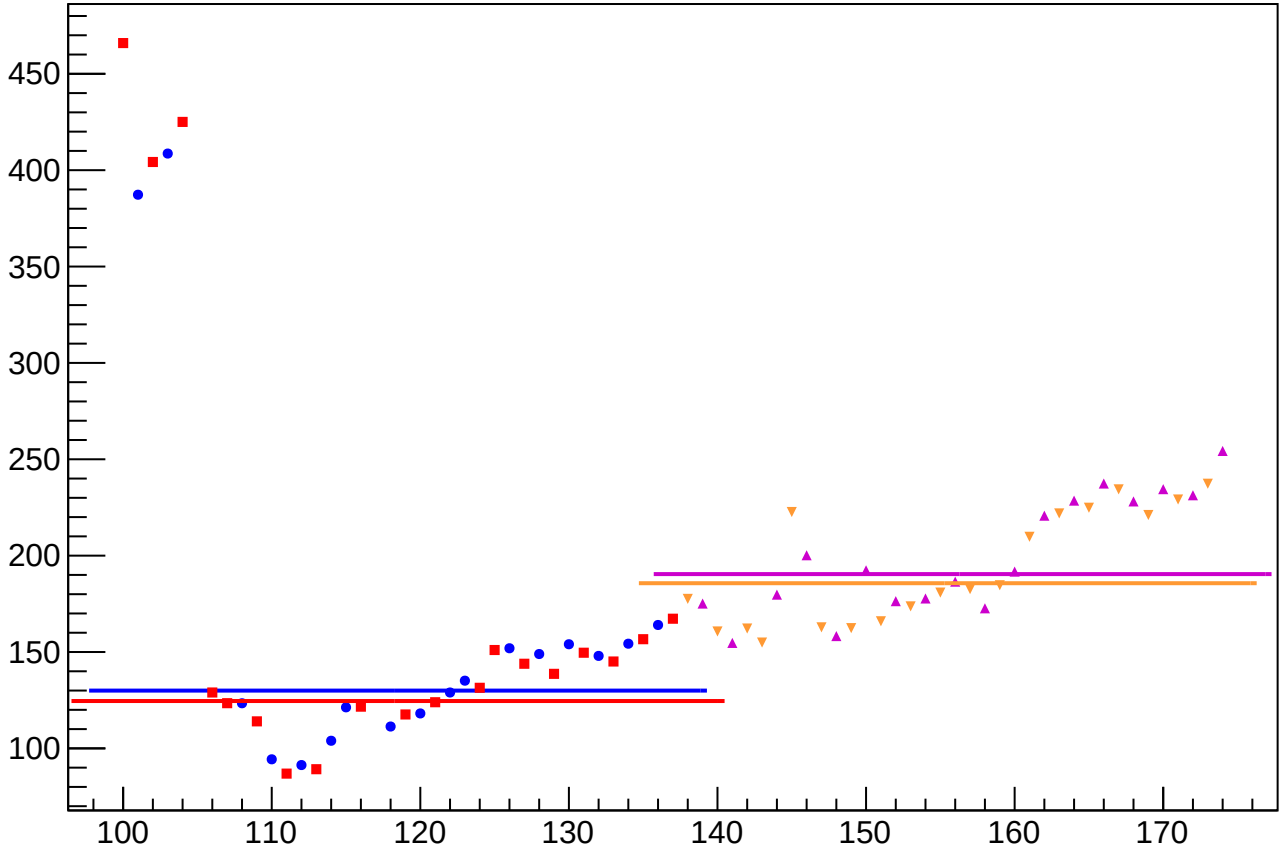
Right: 127971.691+/-0.037 χ^2/NDF: 8085261759.1/

In: 128493.488+/-0.037 χ^2/NDF:4572496356.9/34

Out: 128438.631+/-0.035 χ^2/NDF:4098097793.9/3

All: 128464.551+/-0.026 χ^2/NDF: 867172410

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: 190.430+/-0.036 χ^2/NDF:564689.3/17

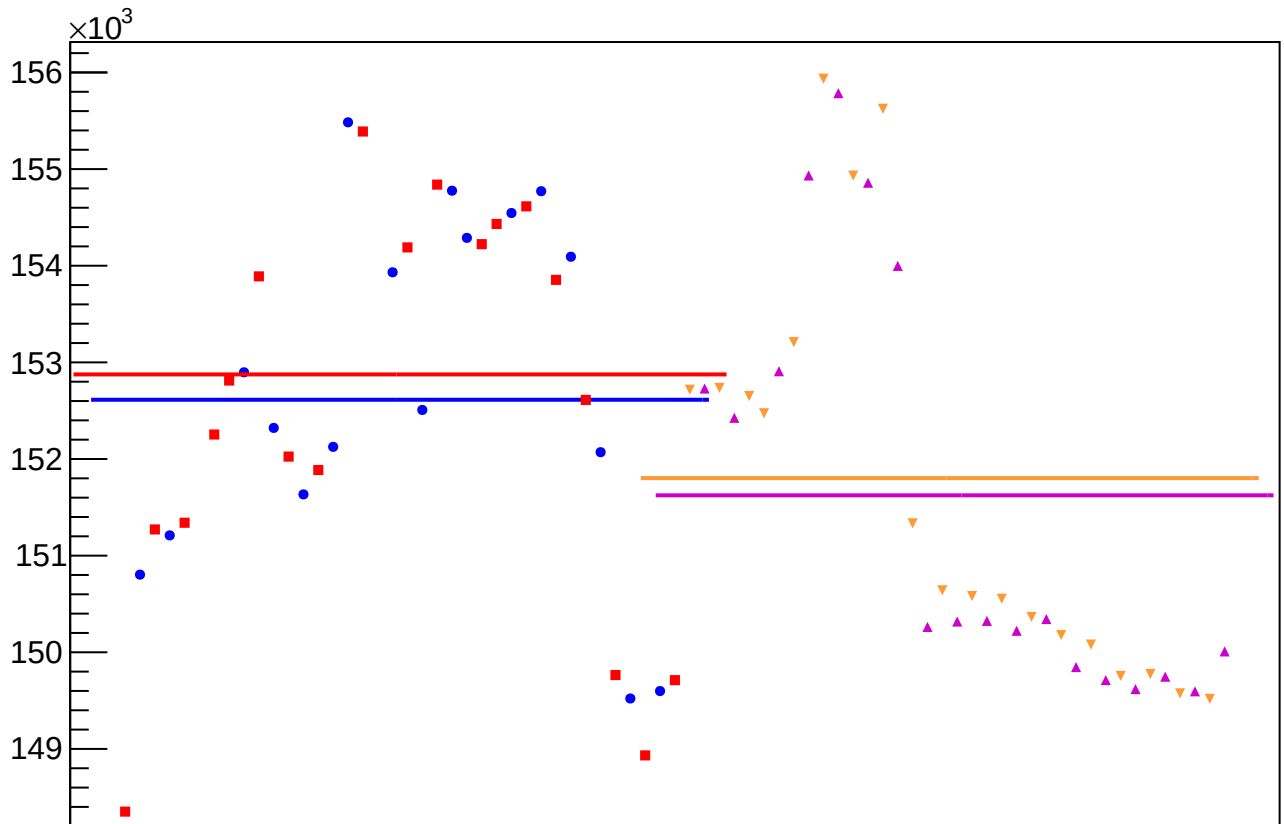
Left: 187.987+/-0.025 χ^2/NDF: 1152973.6/36

Right: 127.058+/-0.026 χ^2/NDF: 3027426.7/35

In: 161.879+/-0.027 χ^2/NDF:3346808.2/34

Out: 155.382+/-0.025 χ^2/NDF:3595652.9/37

All: 158.452+/-0.018 χ^2/NDF: 6974166.8/72



Right In: 152613.122+/-0.072 χ^2/NDF: 623356098.4/16

Left Out: 151802.661+/-0.054 χ^2/NDF:1241524203.0/18

Right Out: 152875.313+/-0.066 χ^2/NDF: 716358700.9/18

Left In: 151624.200+/-0.055 χ^2/NDF:1256100171.8/17

Left: 151715.052+/-0.039 χ^2/NDF: 2502963330.9/3

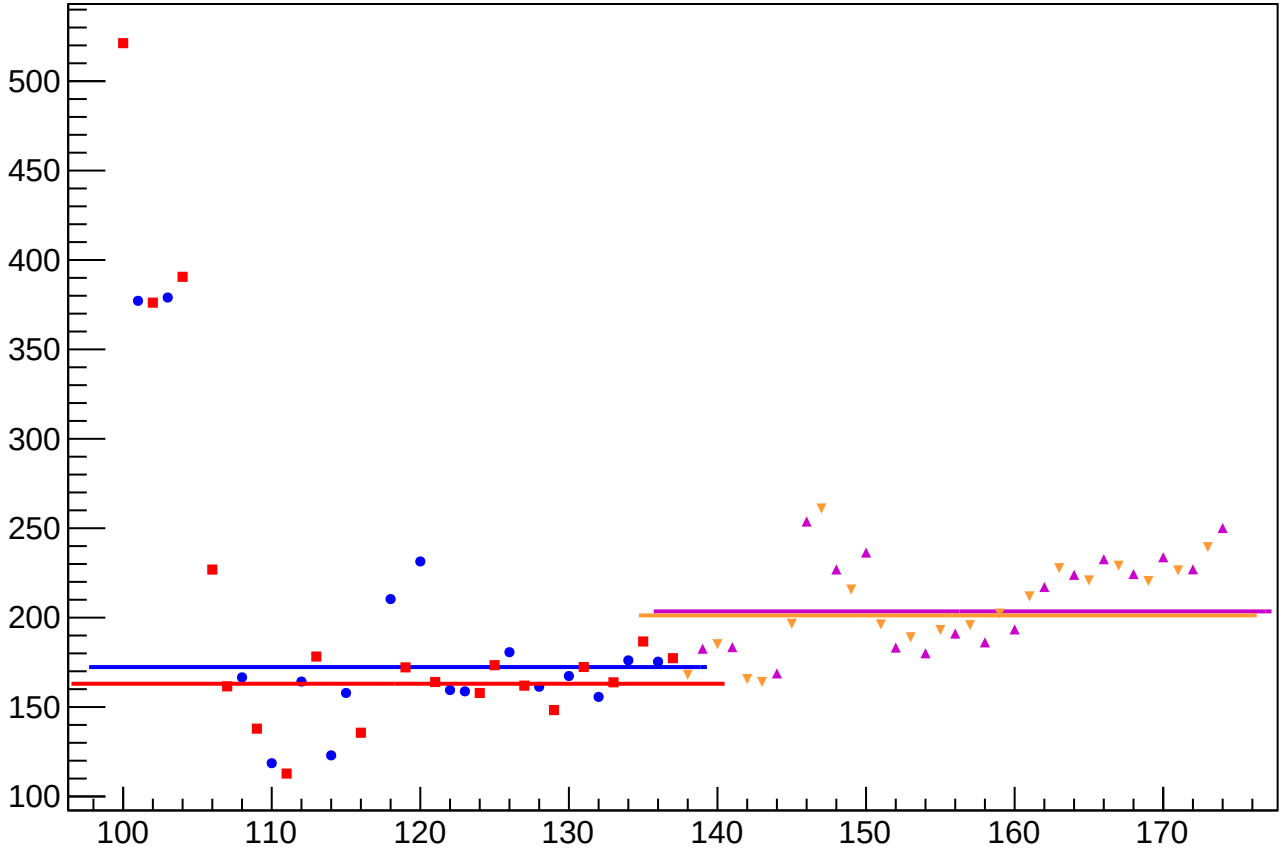
Right: 152755.689+/-0.049 χ^2/NDF: 1346872378.3/

In: 151987.818+/-0.044 χ^2/NDF:1997864502.7/34

Out: 152232.346+/-0.042 χ^2/NDF:2115272684.4/3

All: 152115.567+/-0.030 χ^2/NDF: 41294050

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: 203.483+/-0.039 χ^2/NDF:438583.6/17

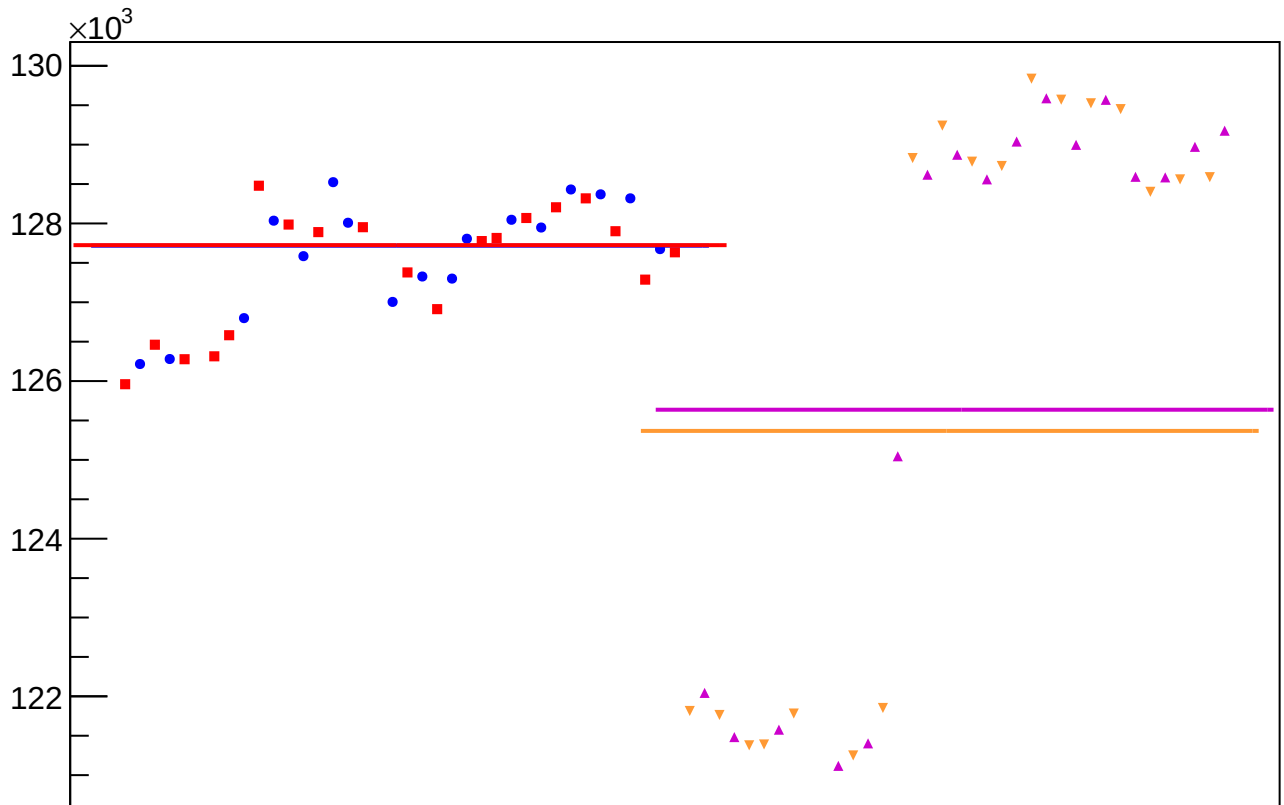
Left: 202.341+/-0.027 χ^2/NDF: 840265.3/36

Right: 167.282+/-0.035 χ^2/NDF: 1972741.3/35

In: 192.036+/-0.031 χ^2/NDF:1595188.5/34

Out: 185.933+/-0.030 χ^2/NDF:1832163.1/37

All: 188.848+/-0.021 χ^2/NDF: 3447617.5/72



Right In: 127717.888+/-0.058 χ^2/NDF: 95177660.2/16

Left Out: 125367.737+/-0.048 χ^2/NDF:6075472386.1/18

Right Out: 127724.519+/-0.055 χ^2/NDF: 112550604.4/18

Left In: 125636.526+/-0.048 χ^2/NDF:5512221065.1/17

Left: 125502.885+/-0.034 χ^2/NDF: 11603304033.9

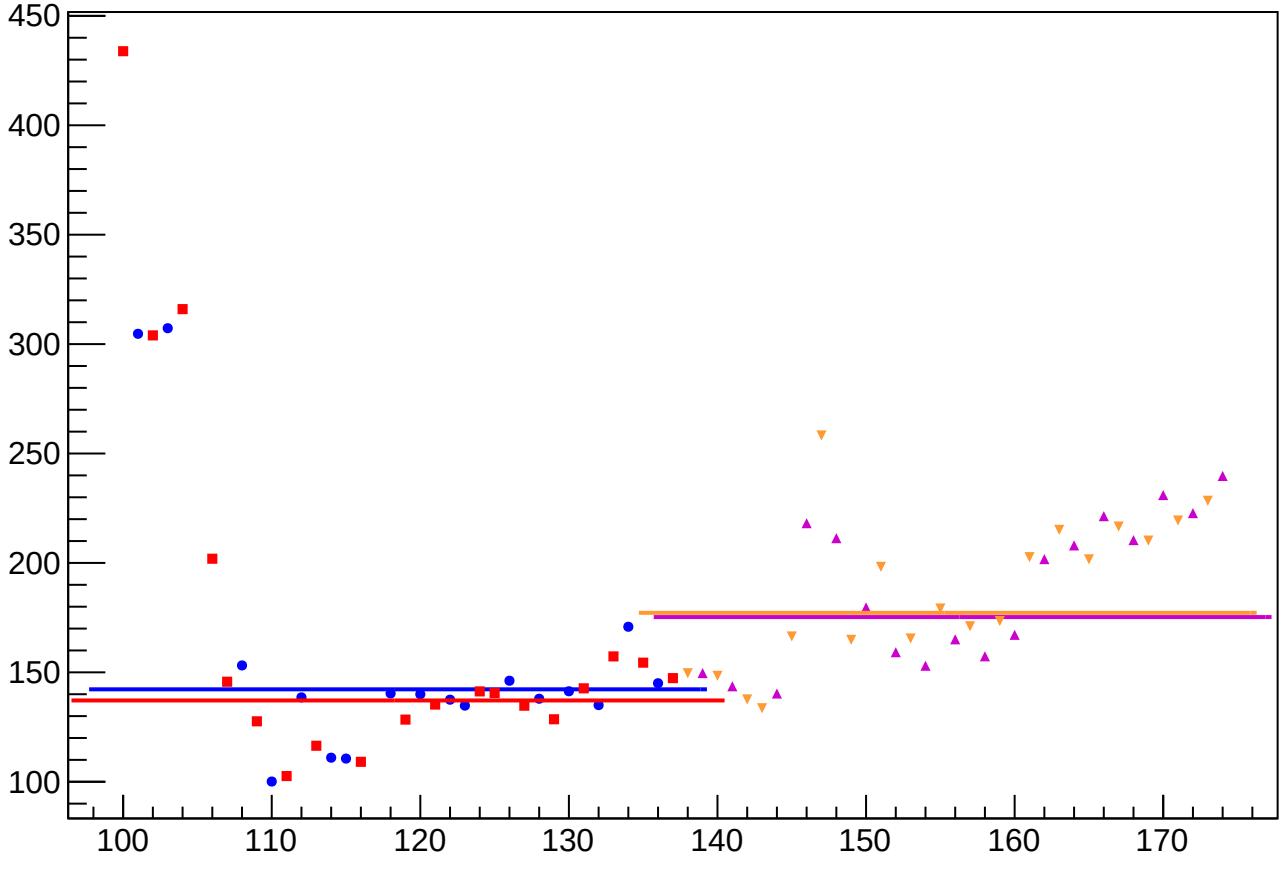
Right: 127721.424+/-0.040 χ^2/NDF: 207735167.4/3

In: 126477.039+/-0.037 χ^2/NDF:6367654666.1/34

Out: 126402.578+/-0.036 χ^2/NDF:7236090773.5/3

All: 126438.883+/-0.026 χ^2/NDF: 13605816

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: 175.260+/-0.034 χ^2/NDF:835801.4/17

Left: 176.227+/-0.024 χ^2/NDF: 1655137.2/36

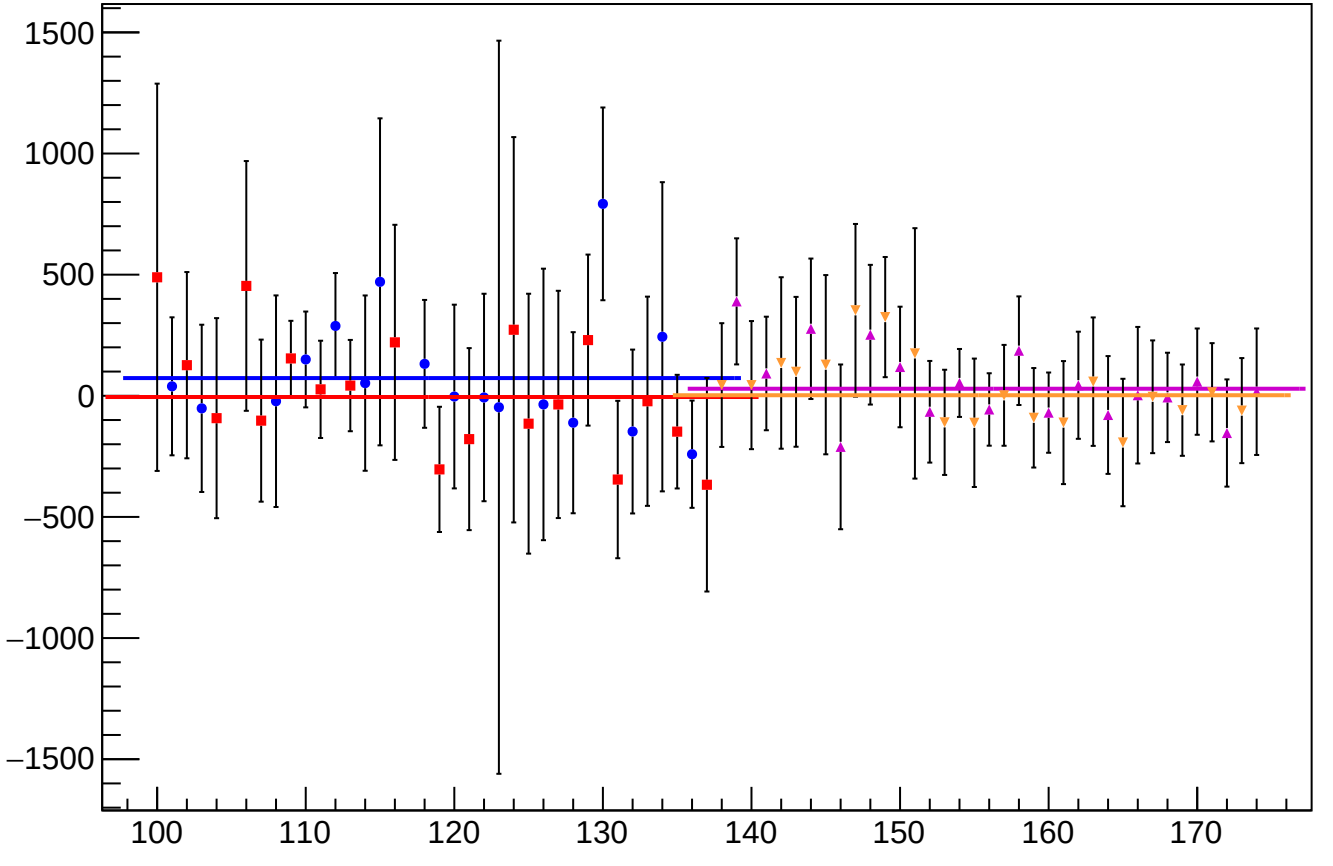
Right: 139.526+/-0.028 χ^2/NDF: 1802277.5/35

In: 161.926+/-0.026 χ^2/NDF:2054900.7/34

Out: 159.618+/-0.026 χ^2/NDF:2380894.2/37

All: 160.743+/-0.018 χ^2/NDF: 4439772.2/72

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF: 7.9/16

Left Out: 2.292+/-57.553 χ^2/NDF:4.8/18

Right Out: -5.021+/-70.098 χ^2/NDF: 7.1/18

Left In: 29.129+/-50.533 χ^2/NDF:6.3/17

Left: 17.446+/-37.973 χ^2/NDF: 11.3/36

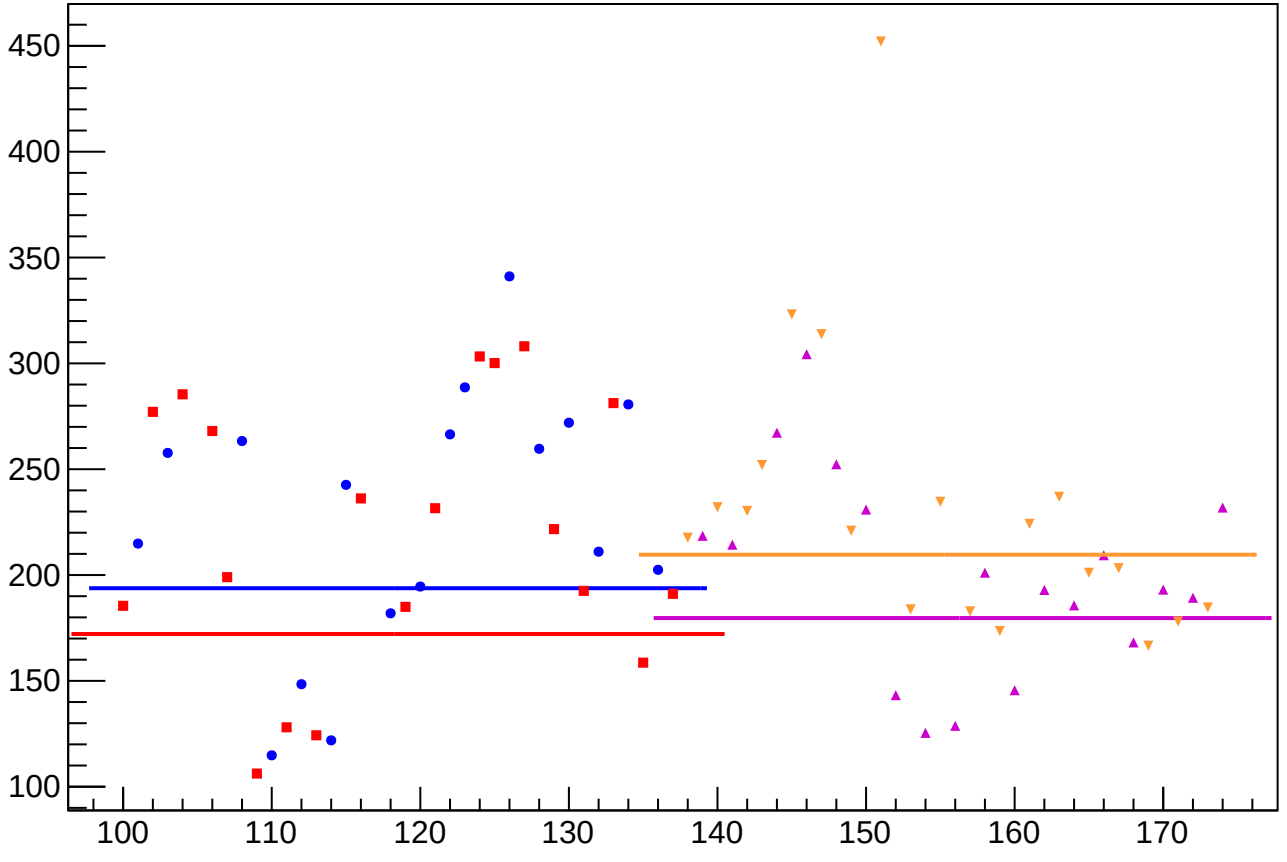
Right: 29.103+/-52.608 χ^2/NDF: 15.5/35

In: 41.762+/-42.663 χ^2/NDF:14.4/34

Out: -0.652+/-44.481 χ^2/NDF:11.9/37

All: 21.439+/-30.790 χ^2/NDF: 26.8/72

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: 179.677+/-0.036 χ^2/NDF:1575536.0/17

Left: 192.706+/-0.027 χ^2/NDF: 3096461.7/36

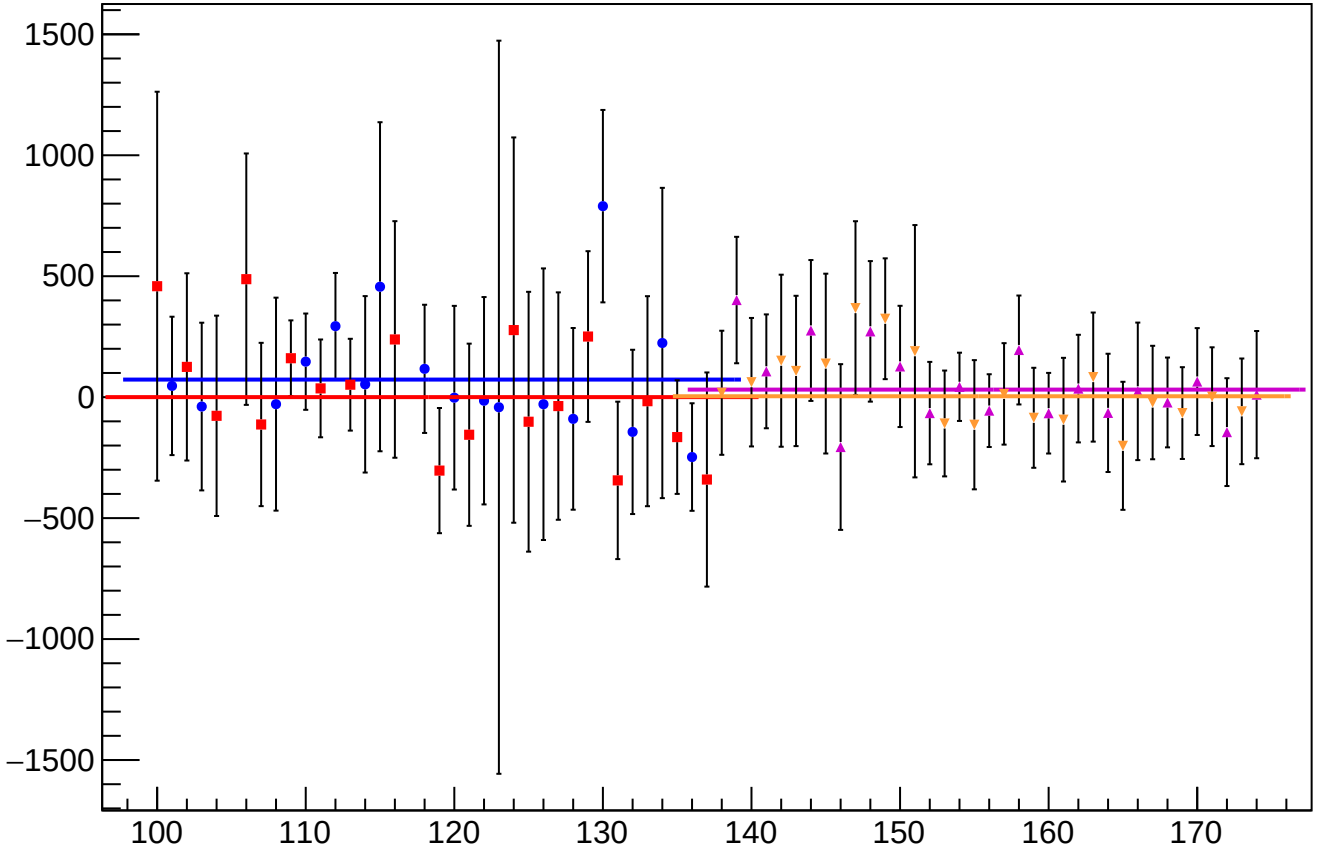
Right: 181.589+/-0.037 χ^2/NDF: 2680292.0/35

In: 183.725+/-0.030 χ^2/NDF:2637316.3/34

Out: 194.521+/-0.031 χ^2/NDF:3136791.0/37

All: 188.898+/-0.022 χ^2/NDF: 5835468.8/72

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: 31.231+/-50.853 χ^2/NDF:6.4/17

Left: 19.276+/-38.218 χ^2/NDF: 11.5/36

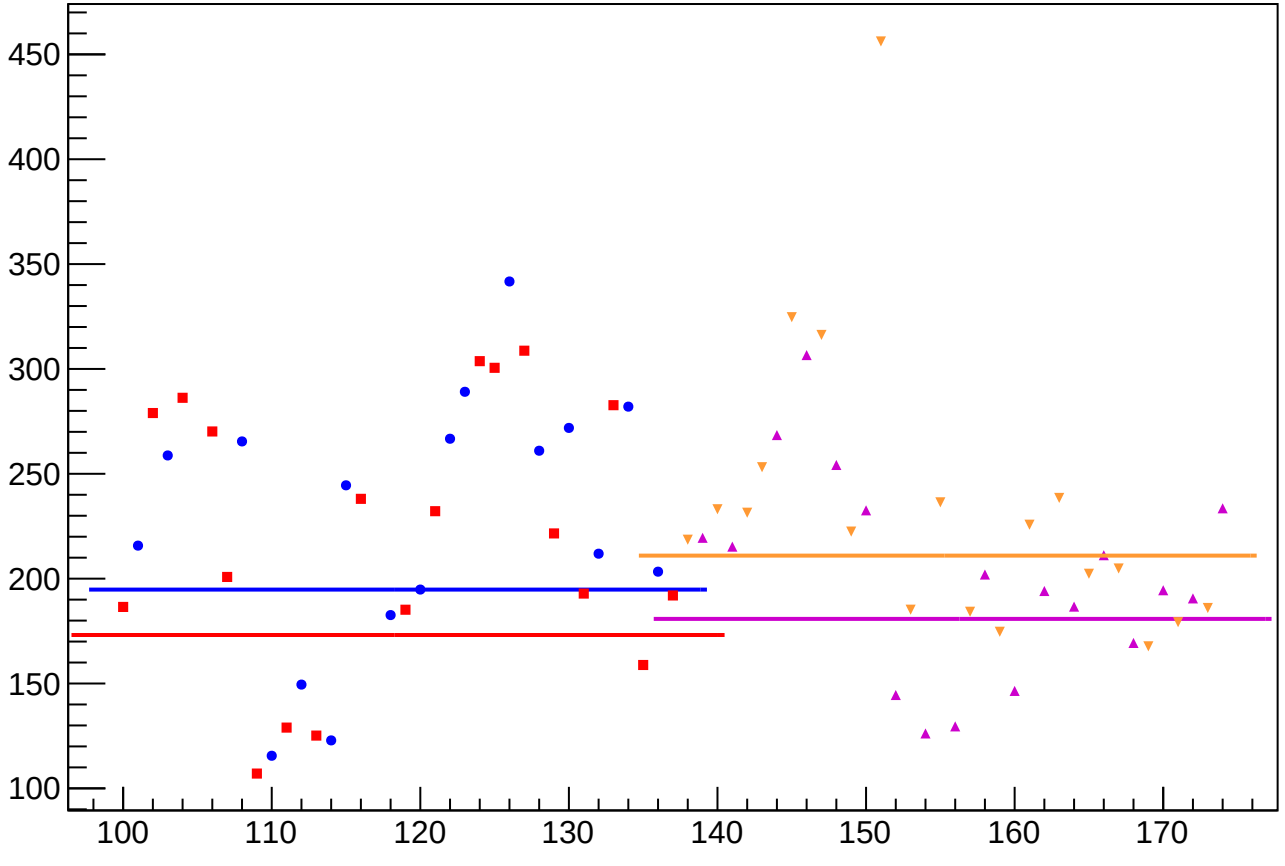
Right: 31.857+/-52.876 χ^2/NDF: 15.5/35

In: 43.160+/-42.915 χ^2/NDF:14.4/34

Out: 2.317+/-44.751 χ^2/NDF:12.3/37

All: 23.593+/-30.974 χ^2/NDF: 27.1/72

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782+/-0.057 χ^2/NDF: 1008292.8/16

Left Out: 210.986+/-0.041 χ^2/NDF:1214186.4/18

Right Out: 173.131+/-0.050 χ^2/NDF: 1567556.0/18

Left In: 180.809+/-0.036 χ^2/NDF:1574803.7/17

Left: 193.942+/-0.027 χ^2/NDF: 3095485.6/36

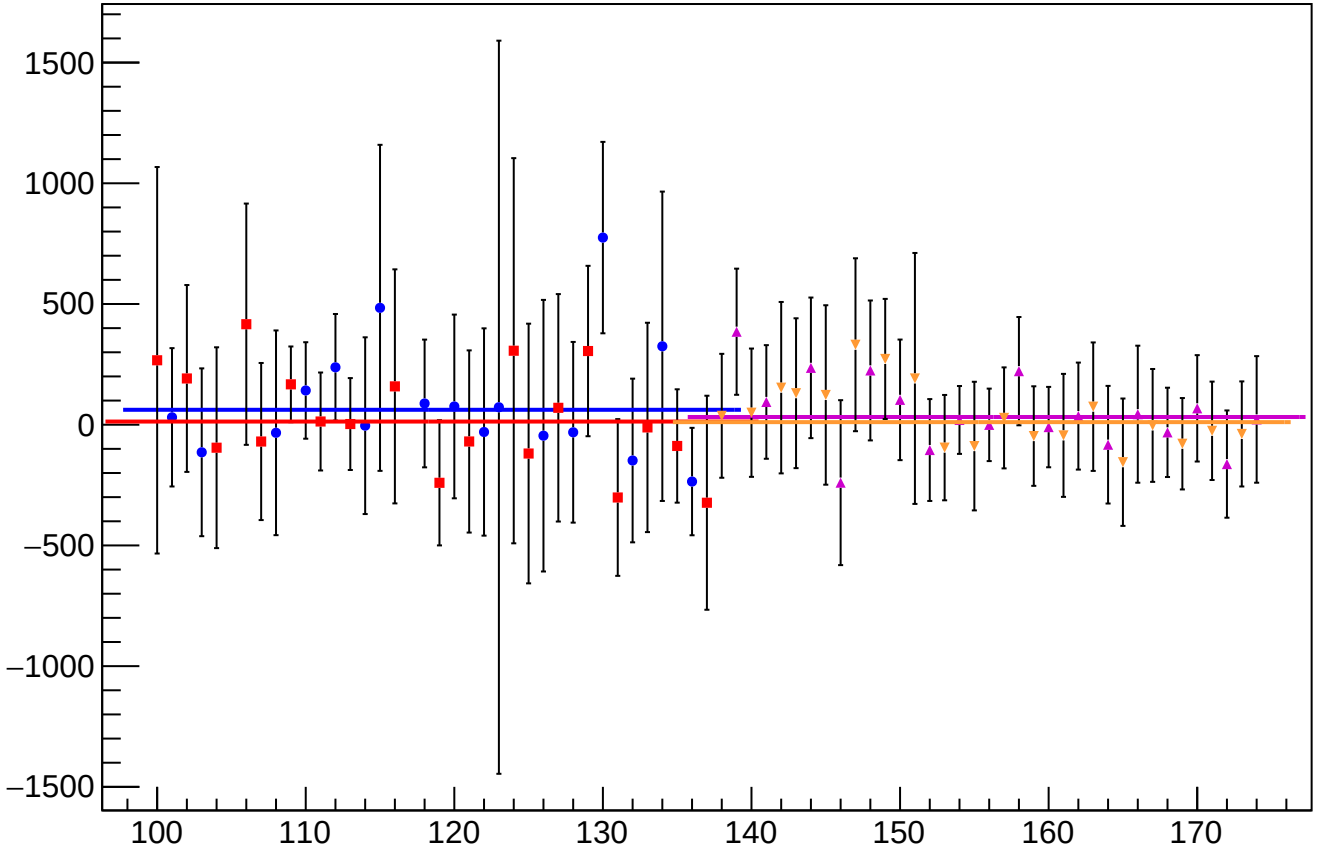
Right: 182.592+/-0.037 χ^2/NDF: 2658346.9/35

In: 184.831+/-0.030 χ^2/NDF:2626556.9/34

Out: 195.719+/-0.032 χ^2/NDF:3126139.0/37

All: 190.047+/-0.022 χ^2/NDF: 5814369.9/72

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814+/-79.986 χ^2/NDF: 7.3/16

Left Out: 10.690+/-57.796 χ^2/NDF:3.7/18

Right Out: 13.101+/-70.391 χ^2/NDF: 5.8/18

Left In: 31.980+/-50.720 χ^2/NDF:5.9/17

Left: 22.717+/-38.122 χ^2/NDF: 9.7/36

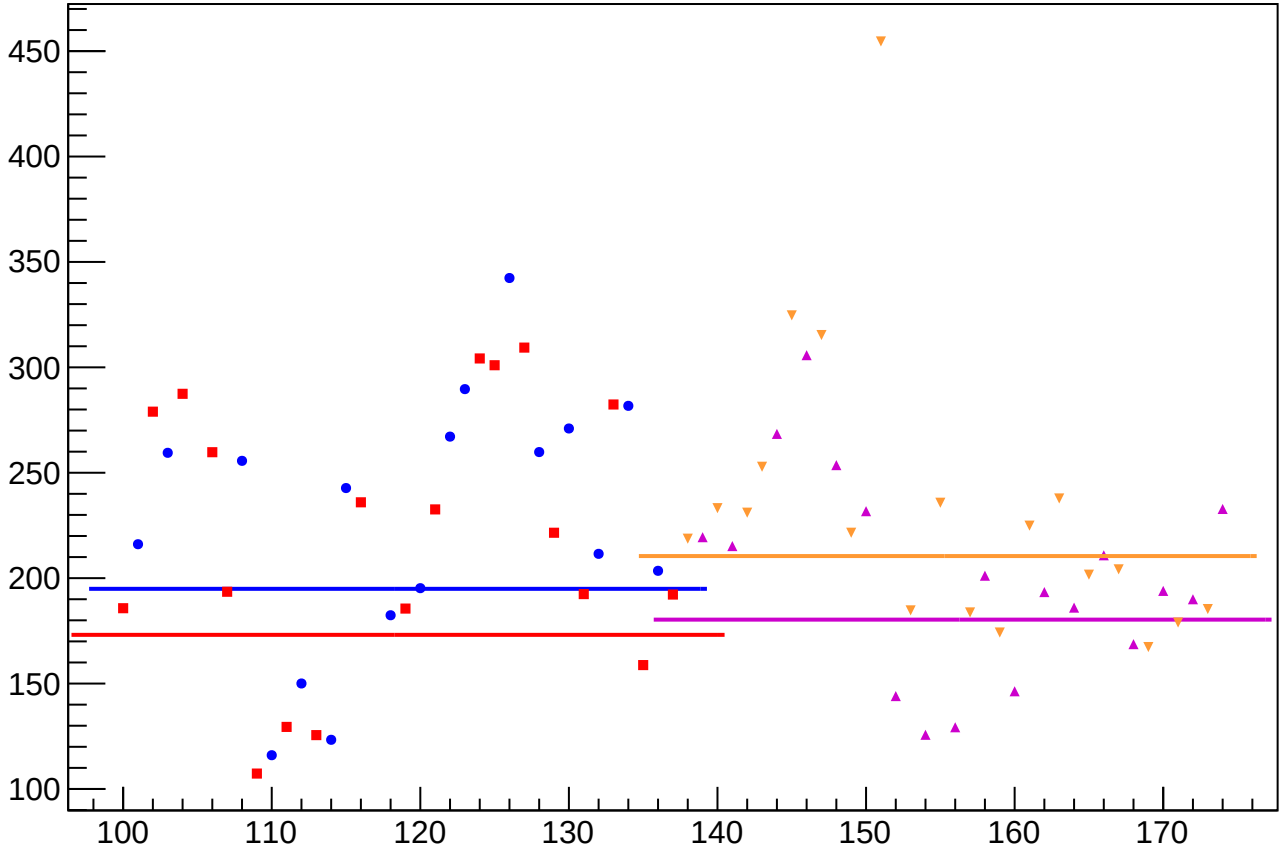
Right: 34.362+/-52.842 χ^2/NDF: 13.2/35

In: 40.536+/-42.834 χ^2/NDF:13.3/34

Out: 11.661+/-44.668 χ^2/NDF:9.5/37

All: 26.703+/-30.916 χ^2/NDF: 23.0/72

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939+/-0.057 χ^2/NDF: 986629.1/16

Left Out: 210.481+/-0.041 χ^2/NDF:1216350.3/18

Right Out: 173.109+/-0.050 χ^2/NDF: 1544723.9/18

Left In: 180.327+/-0.036 χ^2/NDF:1578317.9/17

Left: 193.446+/-0.027 χ^2/NDF: 3102220.7/36

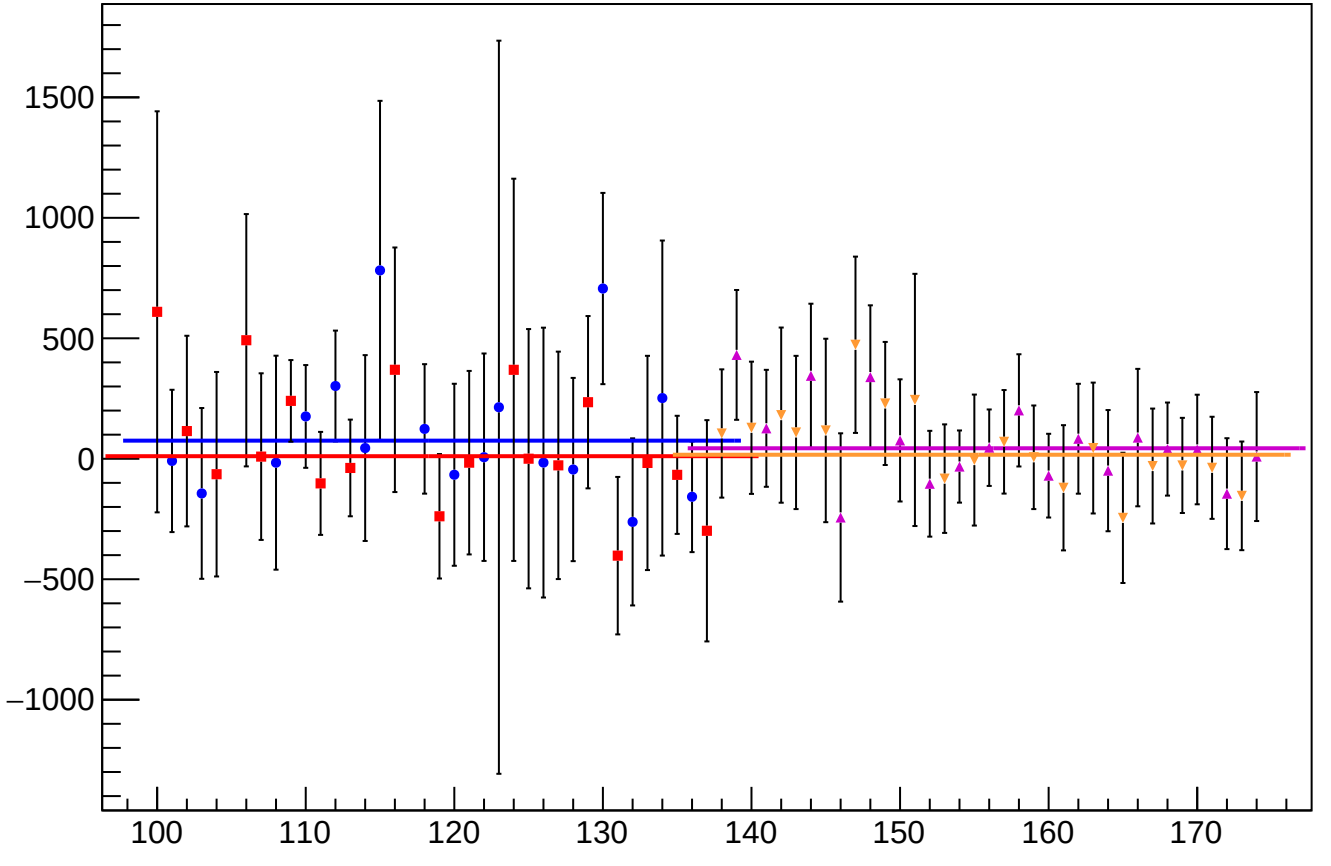
Right: 182.637+/-0.037 χ^2/NDF: 2615306.2/35

In: 184.517+/-0.030 χ^2/NDF:2612551.7/34

Out: 195.432+/-0.032 χ^2/NDF:3097811.0/37

All: 189.746+/-0.022 χ^2/NDF: 5772568.4/72

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207+/-82.504 χ^2/NDF: 7.6/16

Left Out: 16.712+/-59.551 χ^2/NDF:5.3/18

Right Out: 10.674+/-73.338 χ^2/NDF: 7.8/18

Left In: 43.567+/-52.713 χ^2/NDF:7.3/17

Left: 31.769+/-39.471 χ^2/NDF: 12.8/36

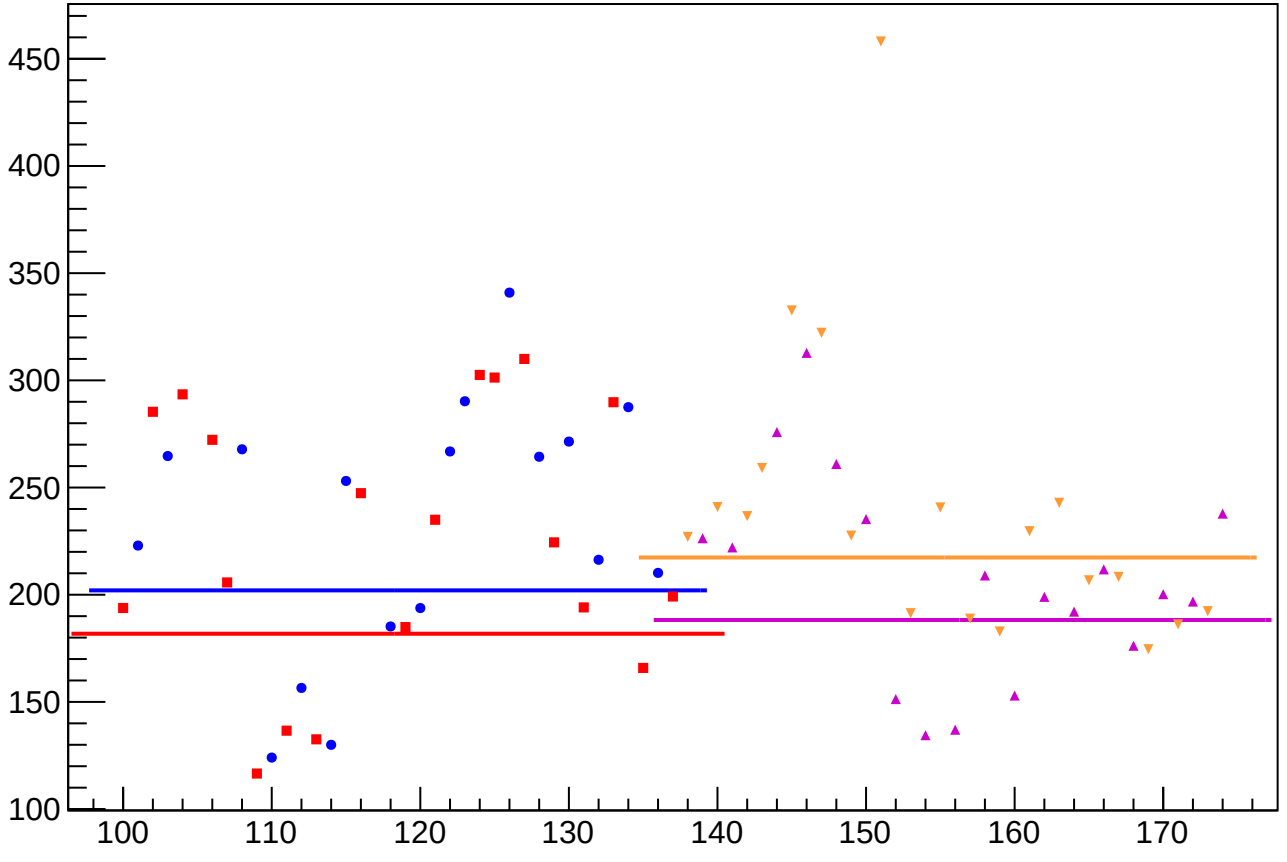
Right: 39.157+/-54.813 χ^2/NDF: 15.8/35

In: 52.738+/-44.421 χ^2/NDF:15.1/34

Out: 14.313+/-46.230 χ^2/NDF:13.1/37

All: 34.292+/-32.031 χ^2/NDF: 28.6/72

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029+/-0.058 χ^2/NDF: 881608.7/16

Left Out: 217.364+/-0.042 χ^2/NDF:1149544.8/18

Right Out: 181.811+/-0.052 χ^2/NDF: 1377537.2/18

Left In: 188.225+/-0.037 χ^2/NDF:1417450.0/17

Left: 201.026+/-0.028 χ^2/NDF: 2835483.6/36

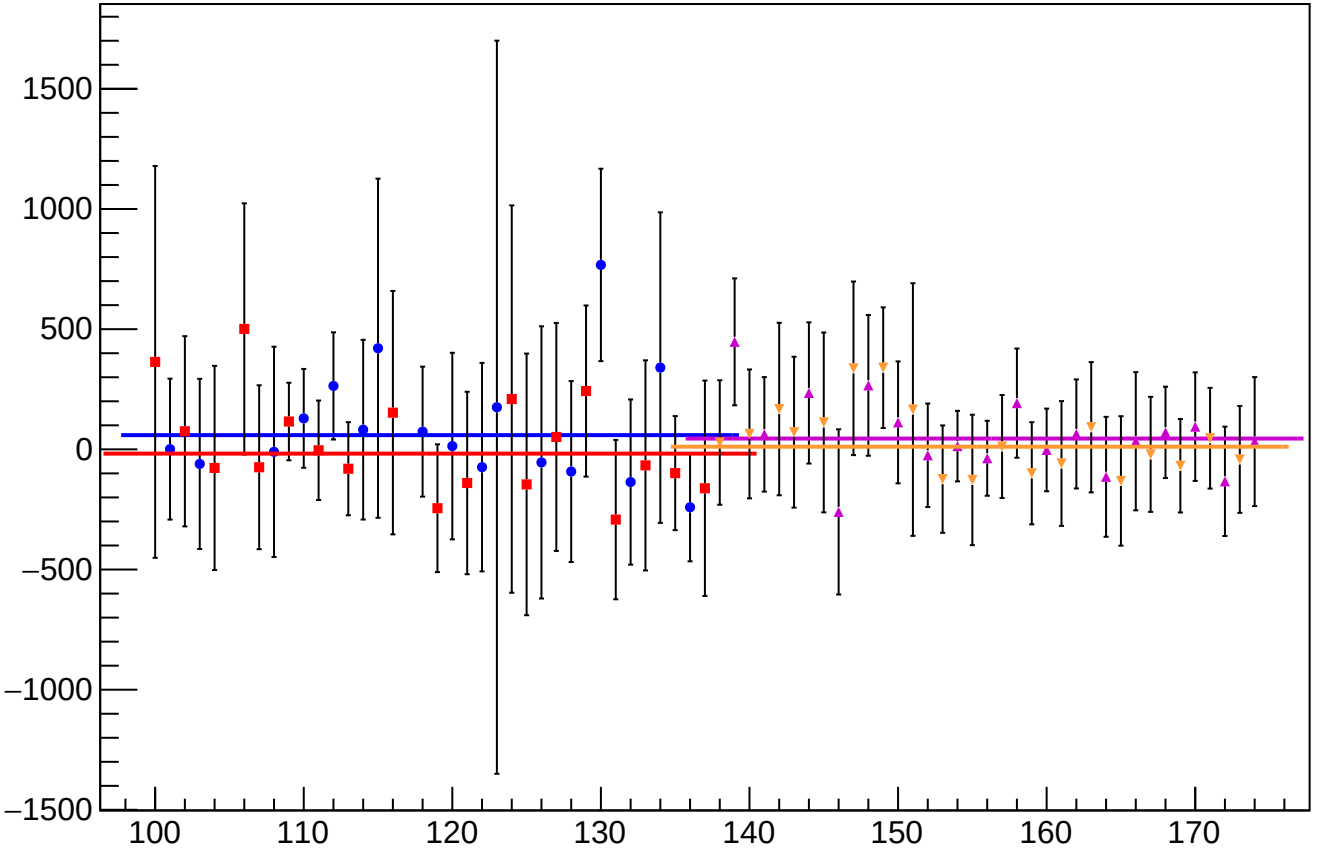
Right: 190.735+/-0.039 χ^2/NDF: 2326235.8/35

In: 192.226+/-0.031 χ^2/NDF:2338818.3/34

Out: 203.237+/-0.033 χ^2/NDF:2810337.9/37

All: 197.512+/-0.023 χ^2/NDF: 5208143.7/72

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175+/-81.417 χ^2/NDF: 7.1/16

Left Out: 11.096+/-58.950 χ^2/NDF:4.6/18

Right Out: -17.727+/-71.900 χ^2/NDF: 4.7/18

Left In: 44.945+/-52.009 χ^2/NDF:6.2/17

Left: 30.130+/-39.000 χ^2/NDF: 10.9/36

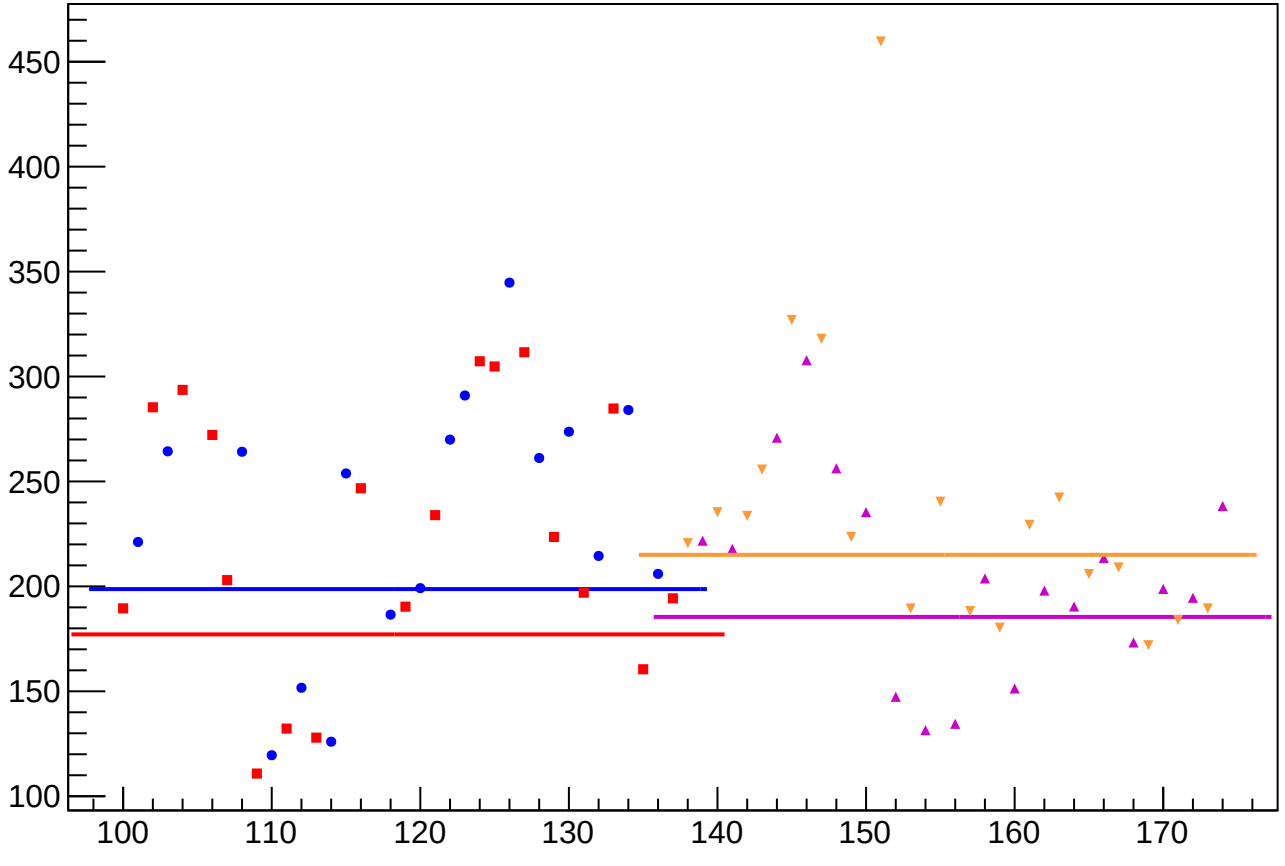
Right: 15.968+/-53.893 χ^2/NDF: 12.3/35

In: 49.069+/-43.830 χ^2/NDF:13.4/34

Out: -0.491+/-45.587 χ^2/NDF:9.3/37

All: 25.262+/-31.595 χ^2/NDF: 23.3/72

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704+/-0.058 χ^2/NDF: 963394.4/16

Left Out: 215.034+/-0.042 χ^2/NDF:1154867.2/18

Right Out: 177.125+/-0.051 χ^2/NDF: 1524889.9/18

Left In: 185.445+/-0.037 χ^2/NDF:1452231.3/17

Left: 198.396+/-0.028 χ^2/NDF: 2890444.4/36

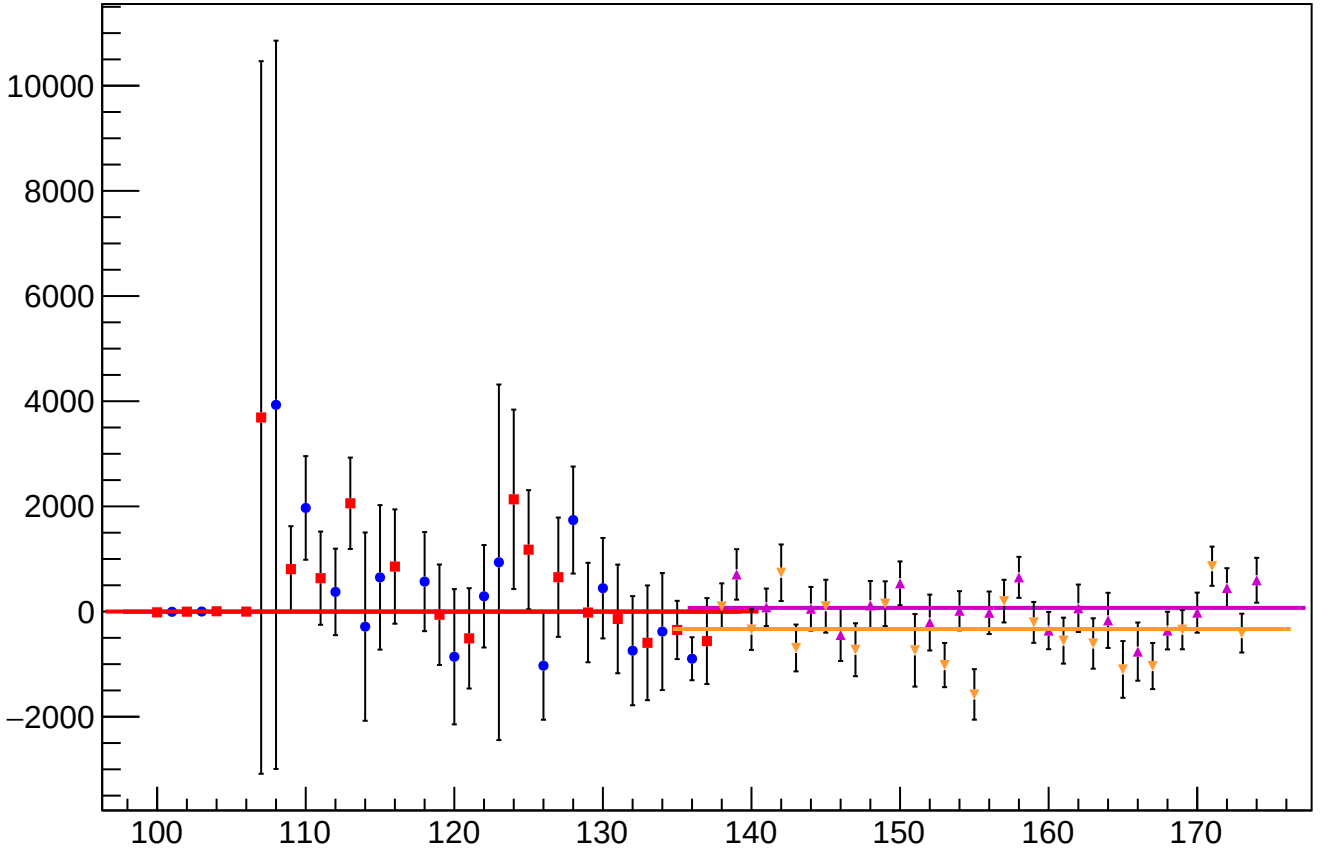
Right: 186.580+/-0.038 χ^2/NDF: 2567217.8/35

In: 189.287+/-0.031 χ^2/NDF:2453294.7/34

Out: 199.795+/-0.032 χ^2/NDF:3012246.3/37

All: 194.335+/-0.022 χ^2/NDF: 5520758.9/72

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: 69.683+/-98.562 χ^2/NDF:14.6/17

Left: -126.486+/-70.456 χ^2/NDF: 58.0/36

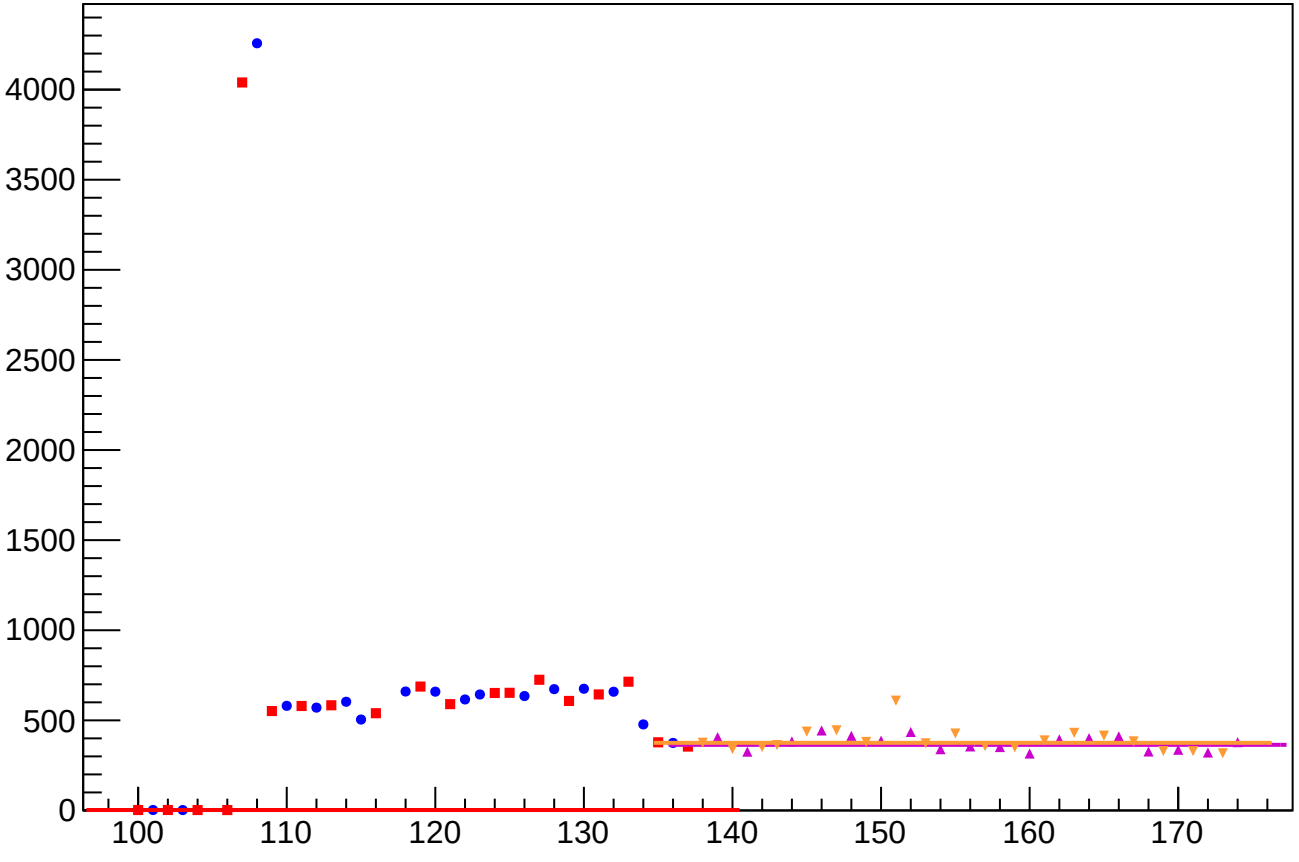
Right: -0.326+/-1.540 χ^2/NDF: 35.6/35

In: -1.492+/-2.251 χ^2/NDF:31.8/34

Out: 0.586+/-2.111 χ^2/NDF:64.5/37

All: -0.386+/-1.540 χ^2/NDF: 96.8/72

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: 364.110+/-0.070 χ^2/NDF:301771.9/17

Left: 369.594+/-0.050 χ^2/NDF: 819828.4/36

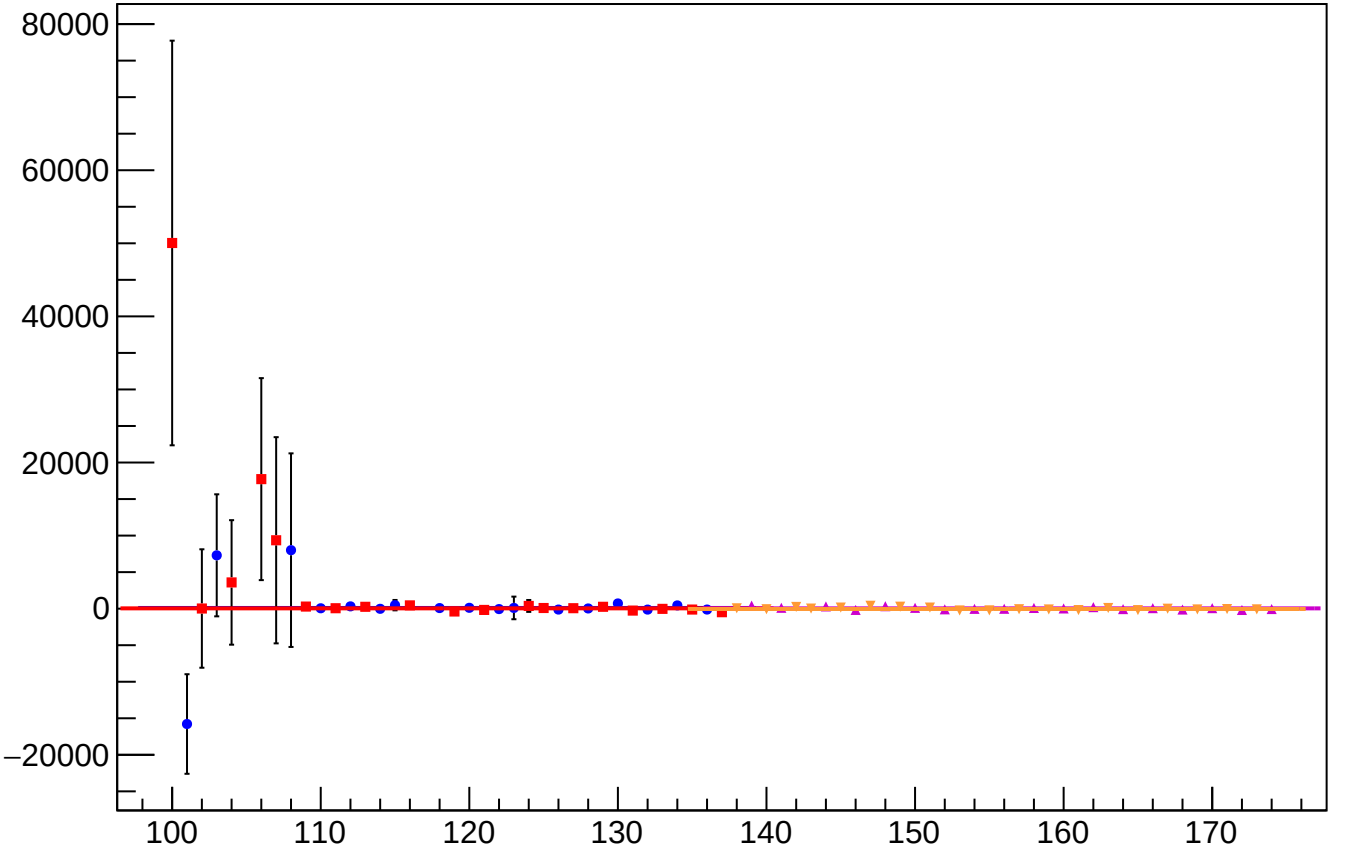
Right: 2.446+/-0.001 χ^2/NDF: 21846612.0/35

In: 2.645+/-0.002 χ^2/NDF:37921624.6/34

Out: 2.600+/-0.001 χ^2/NDF:39028725.5/37

All: 2.621+/-0.001 χ^2/NDF: 76950764.7/72

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: 41.669+/-55.022 χ^2/NDF:7.2/17

Left: 4.702+/-40.990 χ^2/NDF: 14.2/36

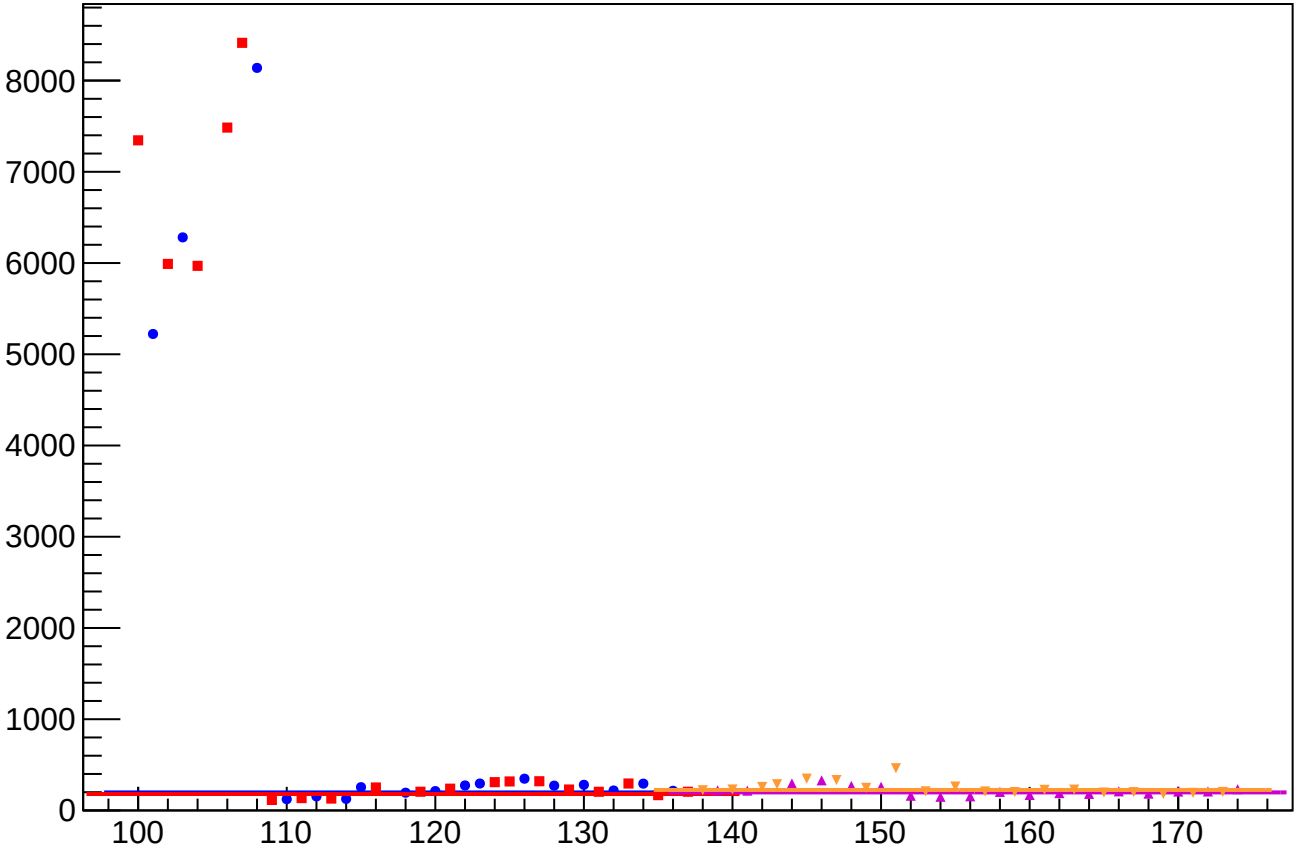
Right: 66.846+/-62.161 χ^2/NDF: 26.2/35

In: 55.879+/-47.182 χ^2/NDF:19.5/34

Out: -12.361+/-49.705 χ^2/NDF:20.6/37

All: 23.535+/-34.220 χ^2/NDF: 41.1/72

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: 197.783+/-0.039 χ^2/NDF:1120150.7/17

Left: 209.723+/-0.029 χ^2/NDF: 2457318.6/36

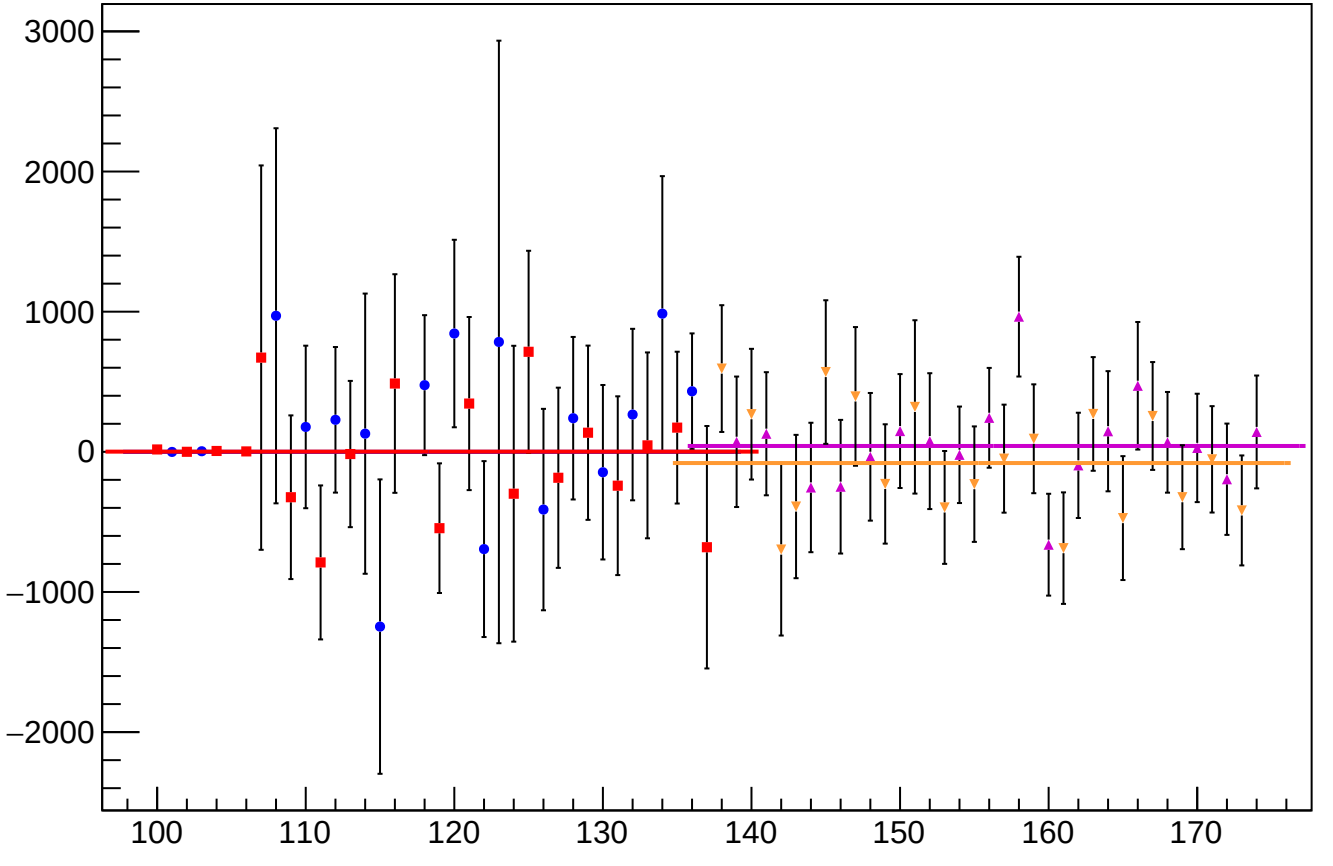
Right: 187.995+/-0.044 χ^2/NDF: 8056346.9/35

In: 197.688+/-0.033 χ^2/NDF:4816021.9/34

Out: 209.188+/-0.035 χ^2/NDF:5811633.8/37

All: 203.138+/-0.024 χ^2/NDF: 10683974.9/72

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: 41.719+/-96.363 χ^2/NDF:11.2/17

Left: -17.636+/-68.993 χ^2/NDF: 26.0/36

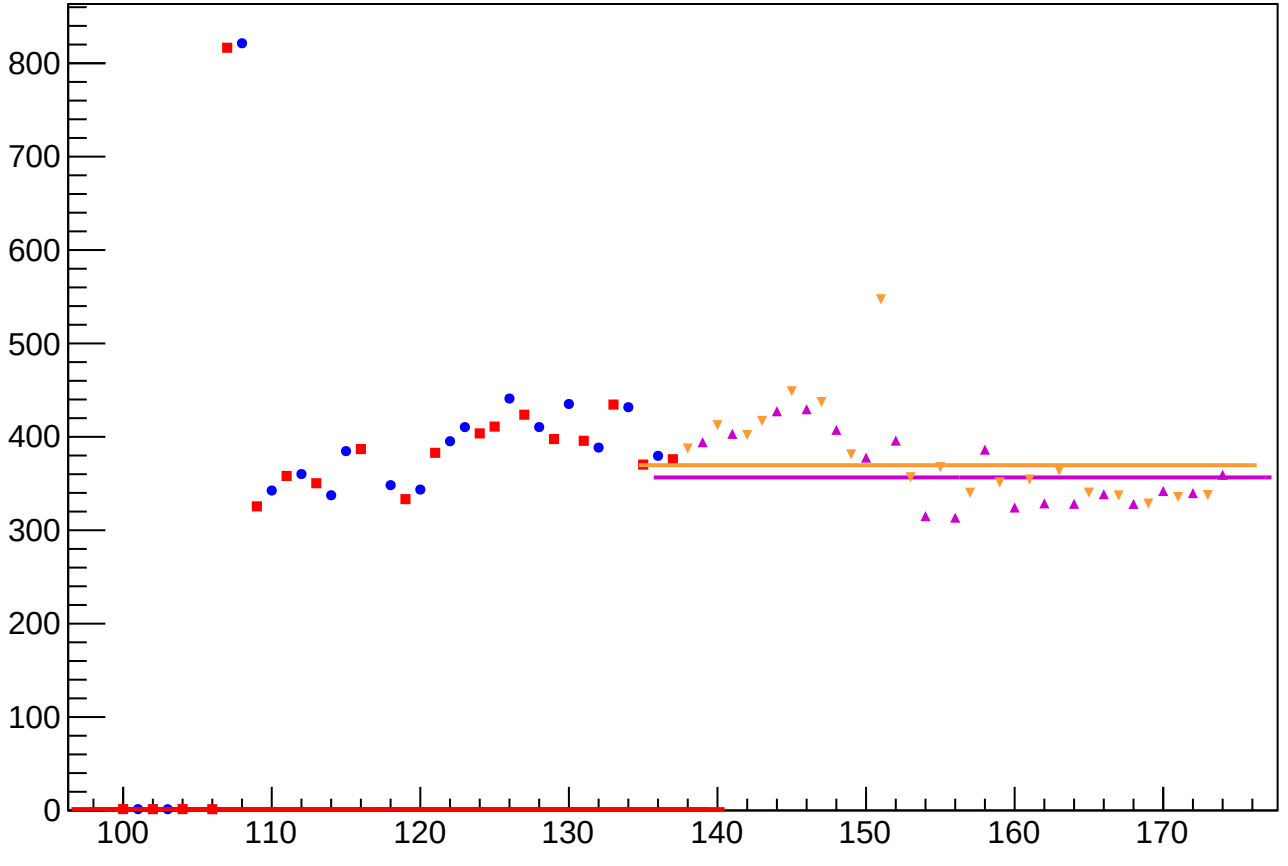
Right: 0.642+/-1.186 χ^2/NDF: 19.7/35

In: -0.125+/-1.736 χ^2/NDF:21.2/34

Out: 1.302+/-1.622 χ^2/NDF:24.2/37

All: 0.637+/-1.185 χ^2/NDF: 45.7/72

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452+/-0.001 χ^2/NDF: 10815892.9/16

Left Out: 369.665+/-0.070 χ^2/NDF:392893.4/18

Right Out: 1.451+/-0.001 χ^2/NDF: 10873552.2/18

Left In: 356.545+/-0.068 χ^2/NDF:298595.9/17

Left: 362.940+/-0.049 χ^2/NDF: 709558.4/36

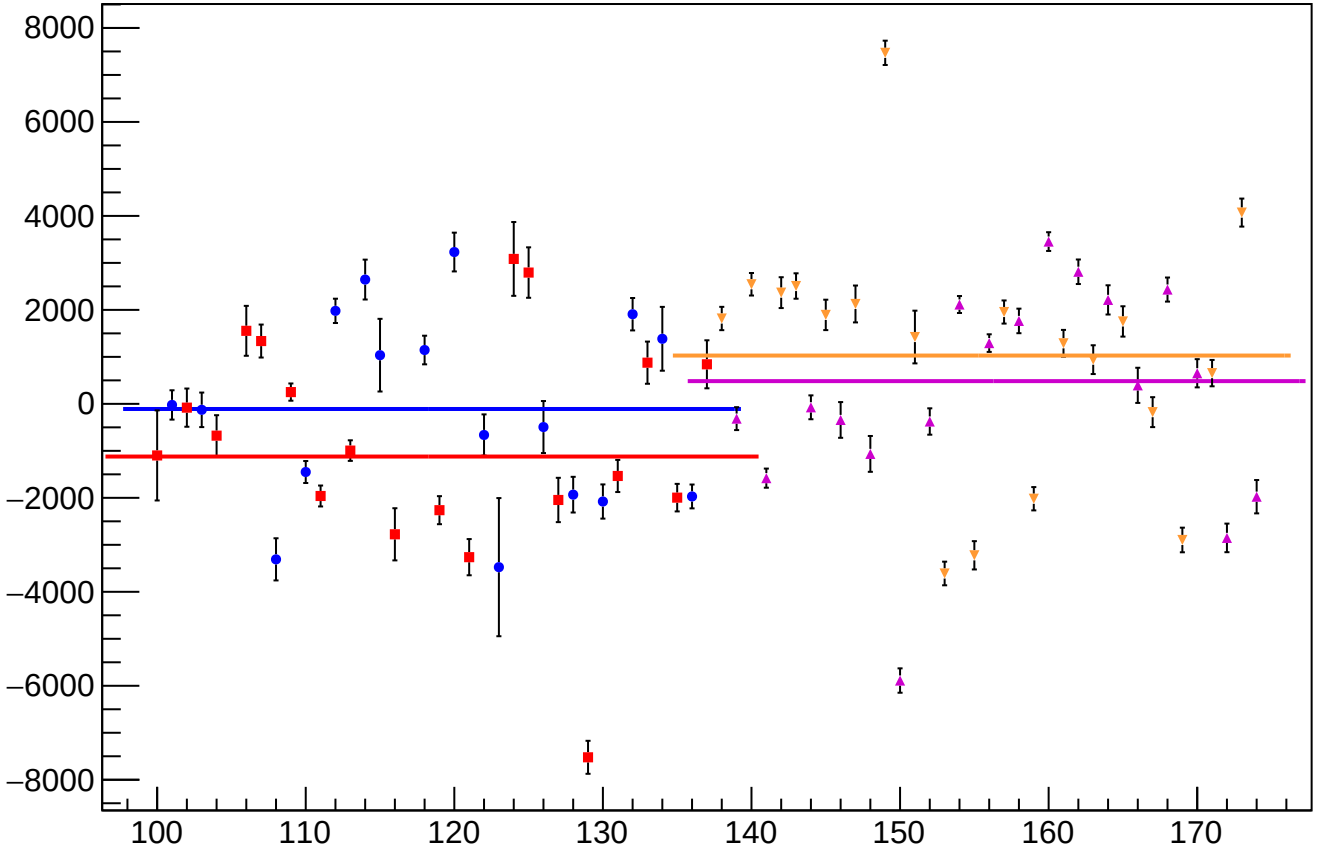
Right: 1.452+/-0.001 χ^2/NDF: 21689445.7/35

In: 1.567+/-0.001 χ^2/NDF:38263628.7/34

Out: 1.550+/-0.001 χ^2/NDF:39022930.8/37

All: 1.558+/-0.001 χ^2/NDF: 77286664.7/72

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225+/-87.961 χ^2/NDF: 428.3/16

Left Out: 1028.141+/-65.752 χ^2/NDF:1787.2/18

Right Out: -1121.203+/-78.396 χ^2/NDF: 670.1/18

Left In: 483.902+/-60.422 χ^2/NDF:1435.0/17

Left: 733.072+/-44.490 χ^2/NDF: 3259.4/36

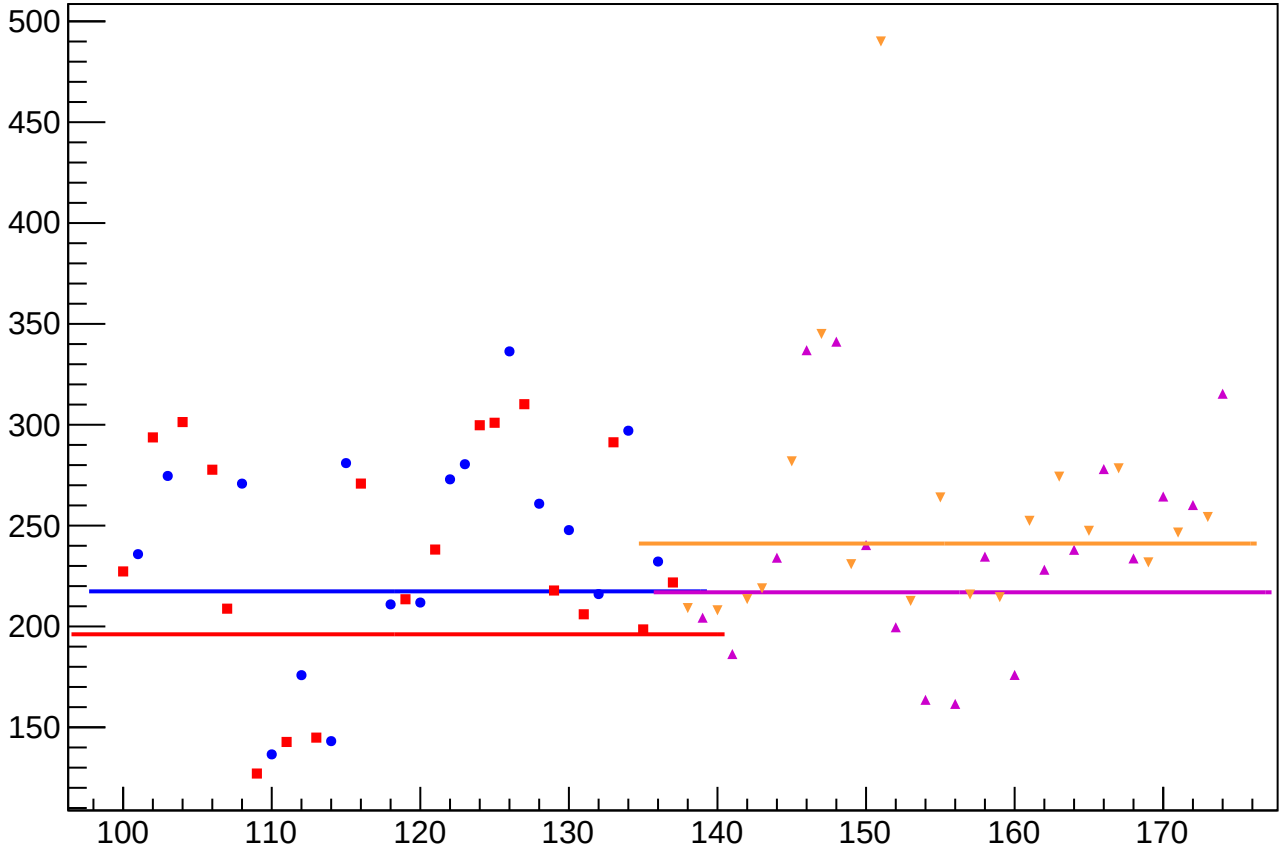
Right: -673.210+/-58.525 χ^2/NDF: 1172.2/35

In: 293.753+/-49.804 χ^2/NDF:1894.2/34

Out: 140.554+/-50.379 χ^2/NDF:2898.6/37

All: 218.032+/-35.418 χ^2/NDF: 4797.5/72

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403+/-0.062 χ^2/NDF: 652632.9/16

Left Out: 241.103+/-0.046 χ^2/NDF:810886.4/18

Right Out: 196.112+/-0.055 χ^2/NDF: 1190862.3/18

Left In: 216.939+/-0.043 χ^2/NDF:1256152.5/17

Left: 228.002+/-0.031 χ^2/NDF: 2213485.8/36

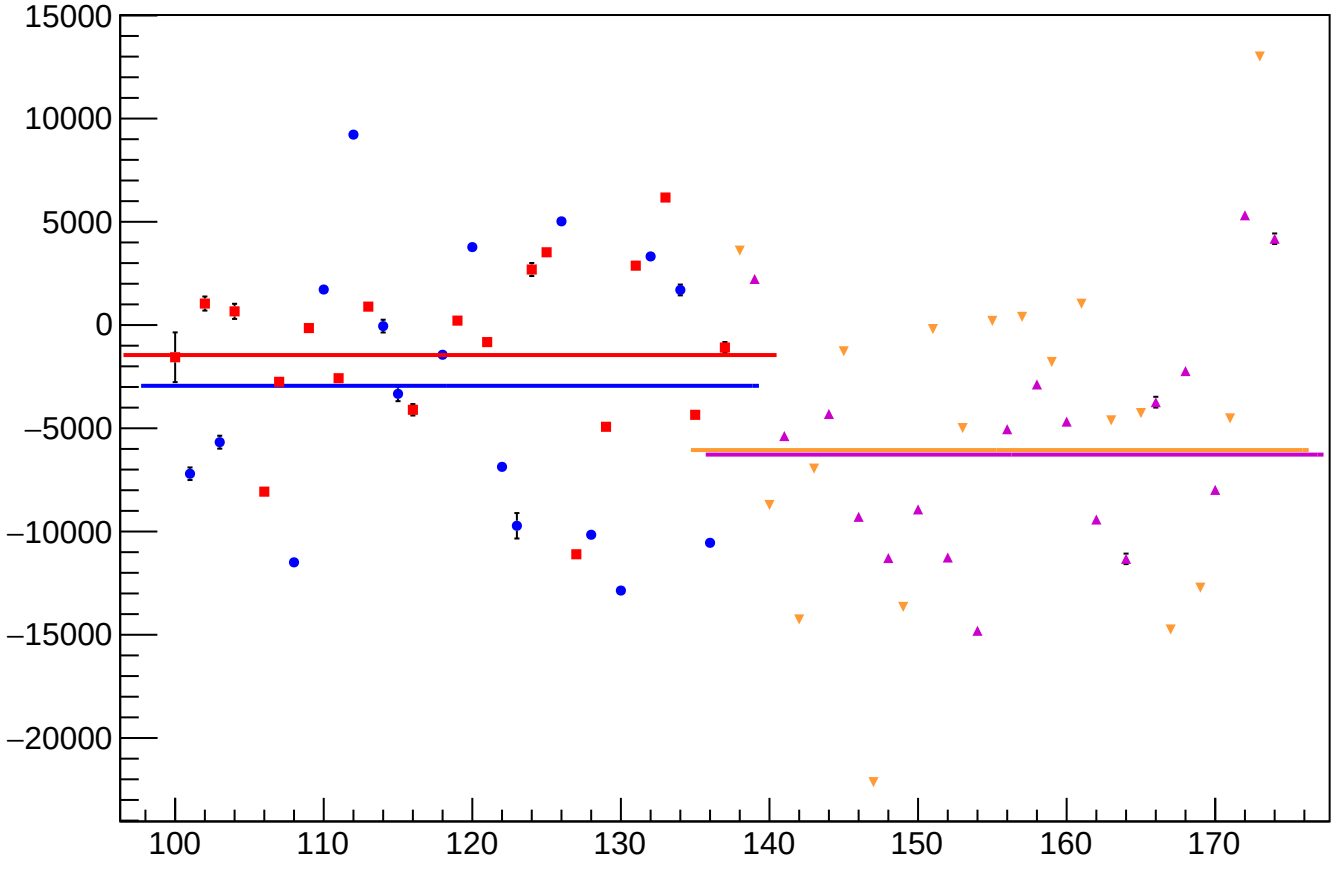
Right: 205.537+/-0.041 χ^2/NDF: 1908796.2/35

In: 217.088+/-0.035 χ^2/NDF:1908823.1/34

Out: 222.524+/-0.036 χ^2/NDF:2388443.6/37

All: 219.775+/-0.025 χ^2/NDF: 4309043.4/72

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 χ^2/NDF: 20909.8/16

Left Out: -6054.750+/-37.767 χ^2/NDF:43219.6/18

Right Out: -1453.116+/-46.404 χ^2/NDF: 7996.0/18

Left In: -6274.806+/-38.644 χ^2/NDF:16426.7/17

Left: -6162.255+/-27.010 χ^2/NDF: 59662.9/36

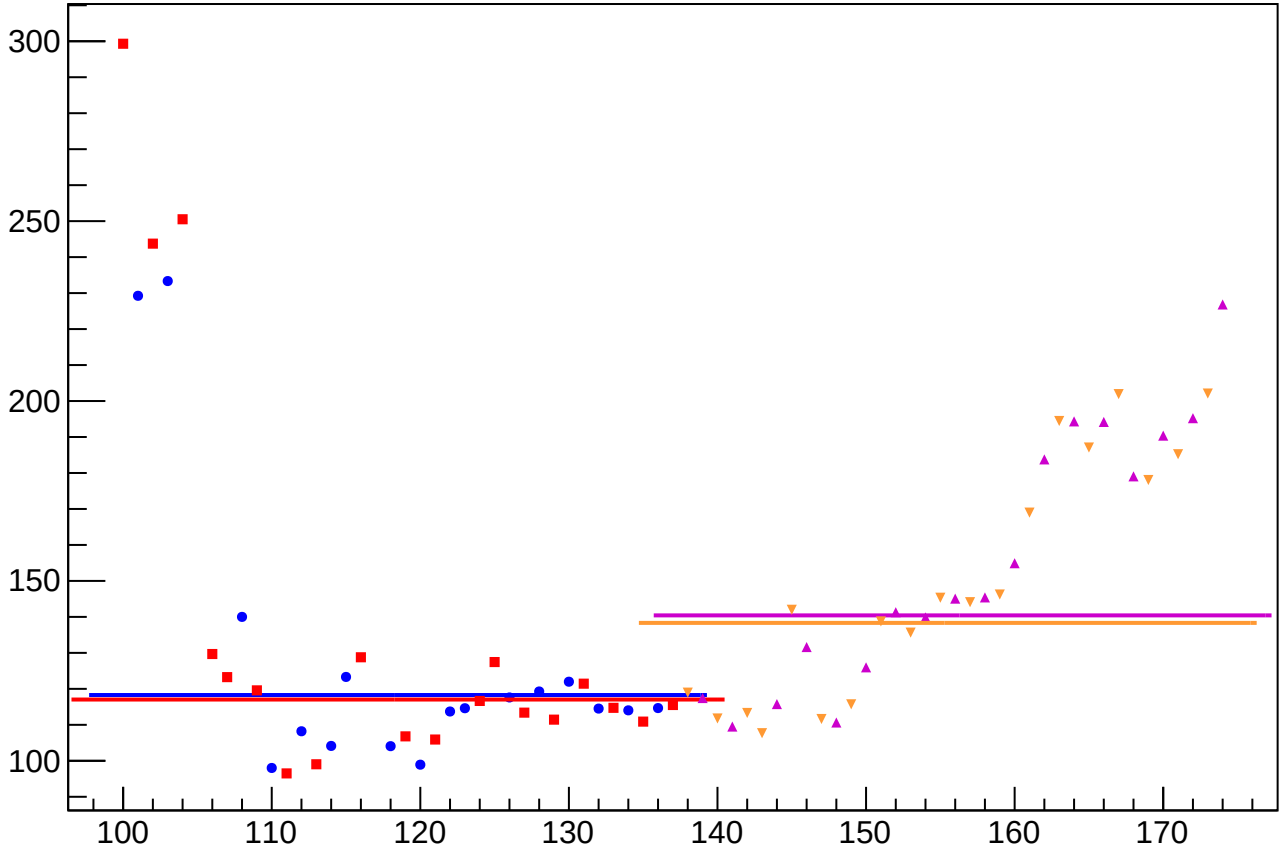
Right: -2163.502+/-33.566 χ^2/NDF: 29397.3/35

In: -4984.686+/-30.250 χ^2/NDF:40214.8/34

Out: -4221.155+/-29.292 χ^2/NDF:57131.0/37

All: -4590.634+/-21.043 χ^2/NDF: 97674.6/72

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: 140.420+/-0.027 χ^2/NDF:1207372.2/17

Left: 139.353+/-0.019 χ^2/NDF: 2377597.5/36

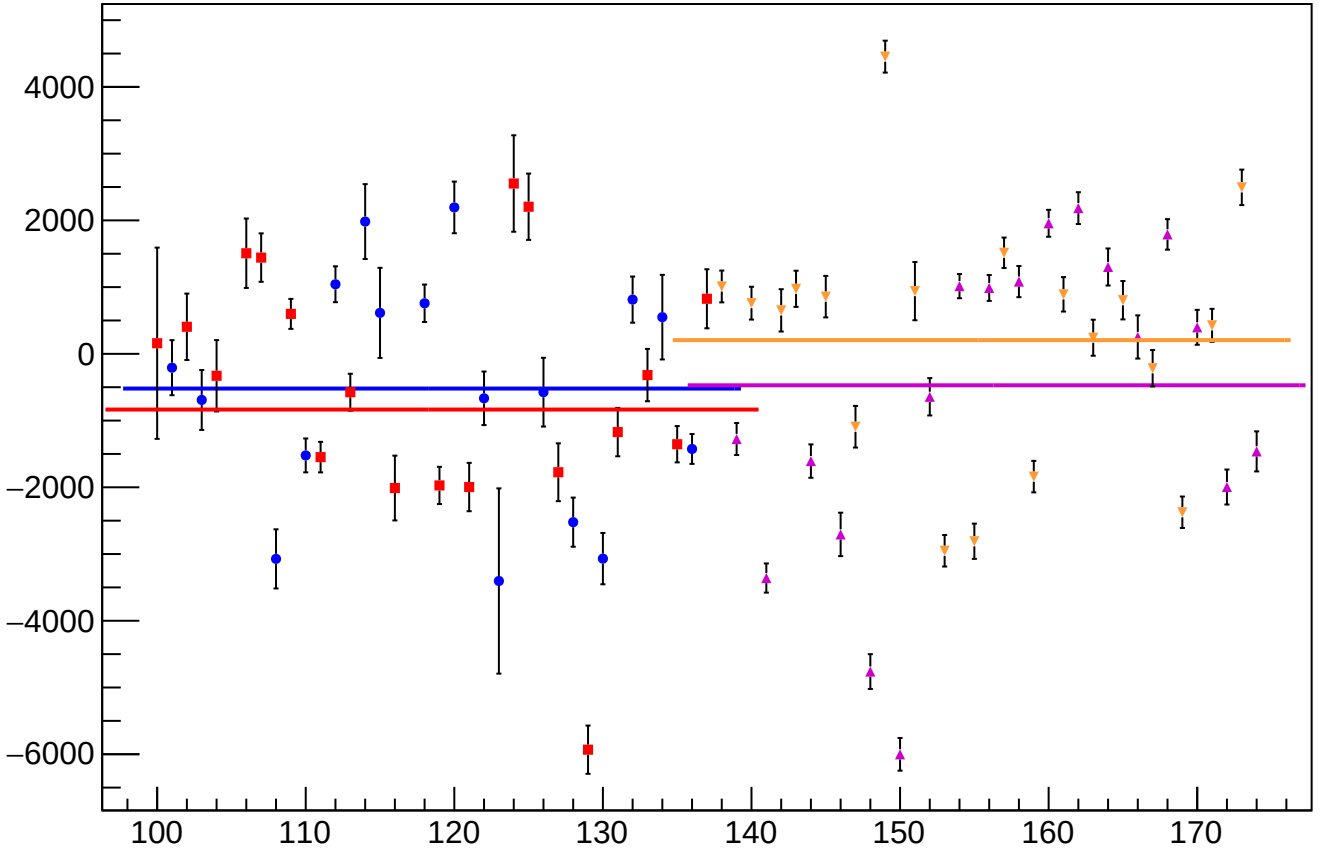
Right: 117.629+/-0.024 χ^2/NDF: 1328476.0/35

In: 131.849+/-0.021 χ^2/NDF:2098383.3/34

Out: 129.846+/-0.021 χ^2/NDF:2111658.0/37

All: 130.815+/-0.015 χ^2/NDF: 4214568.1/72

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267+/-89.241 χ^2/NDF: 288.1/16

Left Out: 205.308+/-60.476 χ^2/NDF:992.4/18

Right Out: -834.834+/-82.273 χ^2/NDF: 434.7/18

Left In: -471.328+/-57.050 χ^2/NDF:1670.6/17

Left: -152.719+/-41.499 χ^2/NDF: 2729.3/36

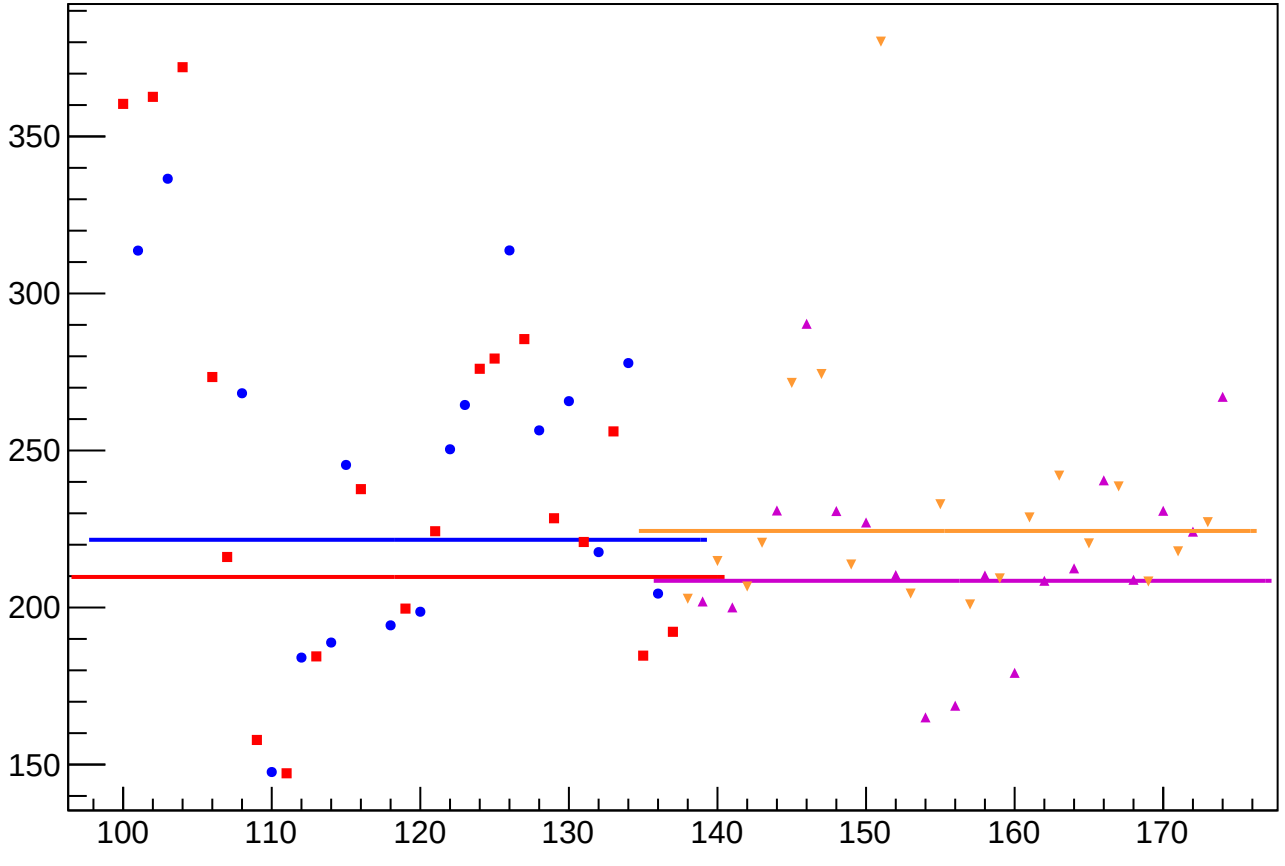
Right: -690.308+/-60.489 χ^2/NDF: 729.5/35

In: -485.526+/-48.067 χ^2/NDF:1959.0/34

Out: -159.555+/-48.728 χ^2/NDF:1530.9/37

All: -324.766+/-34.220 χ^2/NDF: 3512.5/72

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570+/-0.063 χ^2/NDF: 644941.4/16

Left Out: 224.384+/-0.043 χ^2/NDF:453792.7/18

Right Out: 209.736+/-0.058 χ^2/NDF: 883922.1/18

Left In: 208.508+/-0.040 χ^2/NDF:532242.6/17

Left: 215.984+/-0.029 χ^2/NDF: 1058958.7/36

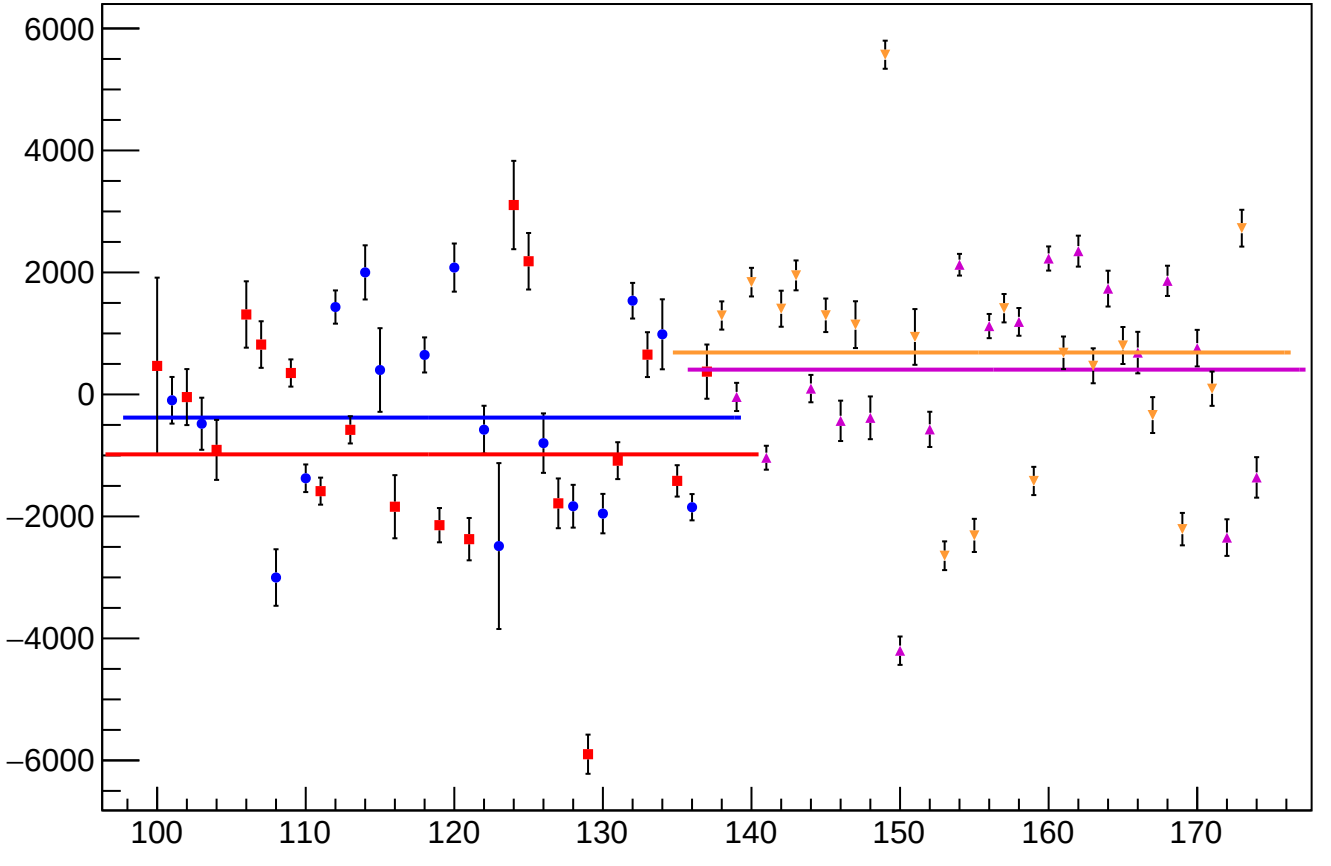
Right: 215.173+/-0.043 χ^2/NDF: 1547873.9/35

In: 212.298+/-0.034 χ^2/NDF:1207597.4/34

Out: 219.246+/-0.034 χ^2/NDF:1378871.6/37

All: 215.724+/-0.024 χ^2/NDF: 2607076.8/72

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: 406.592+/-57.982 χ^2/NDF:906.2/17

Left: 538.674+/-42.212 χ^2/NDF: 2032.6/36

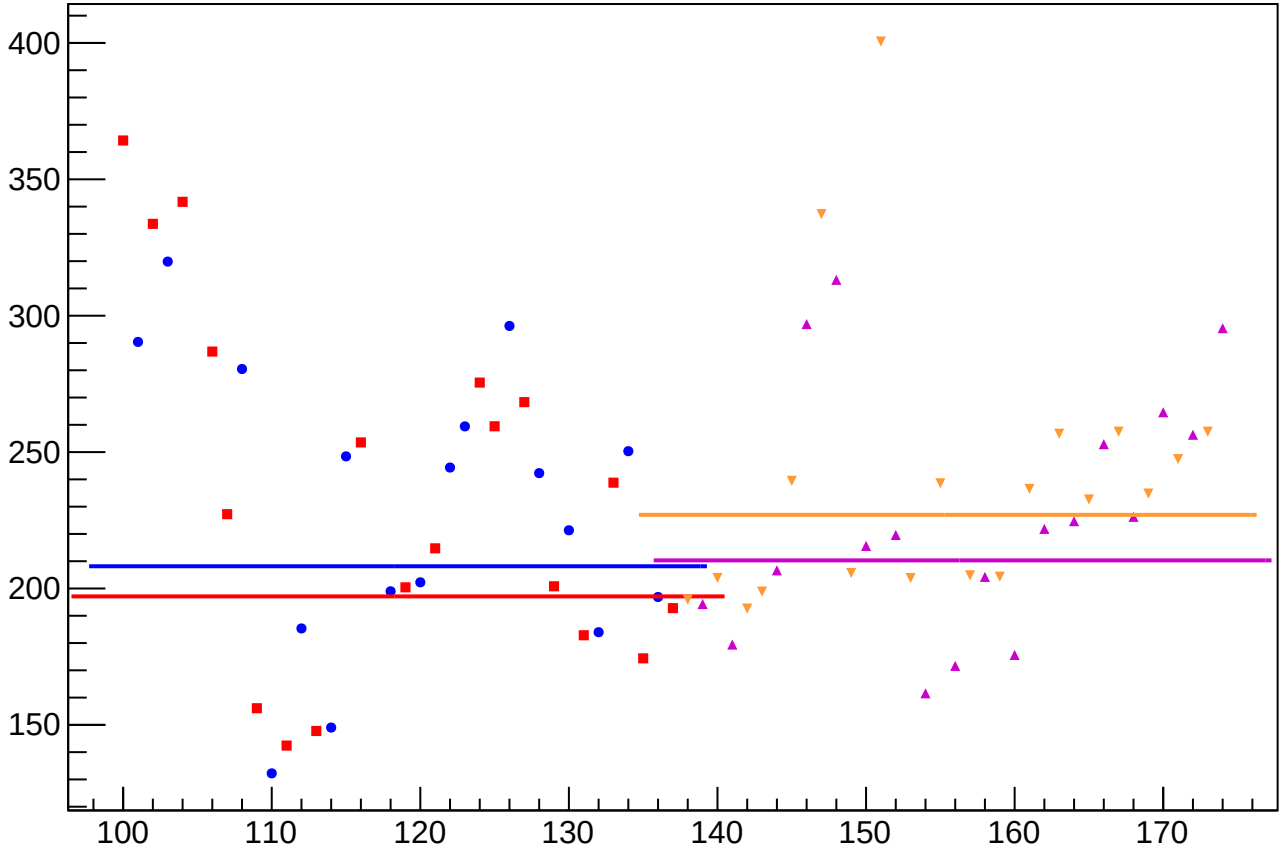
Right: -705.376+/-57.130 χ^2/NDF: 821.1/35

In: 153.928+/-47.765 χ^2/NDF:1282.5/34

Out: 43.617+/-48.264 χ^2/NDF:1875.3/37

All: 99.346+/-33.950 χ^2/NDF: 3160.4/72

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151+/-0.060 χ^2/NDF: 699084.2/16

Left Out: 226.996+/-0.044 χ^2/NDF:722883.5/18

Right Out: 197.103+/-0.055 χ^2/NDF: 926467.5/18

Left In: 210.301+/-0.041 χ^2/NDF:953407.2/17

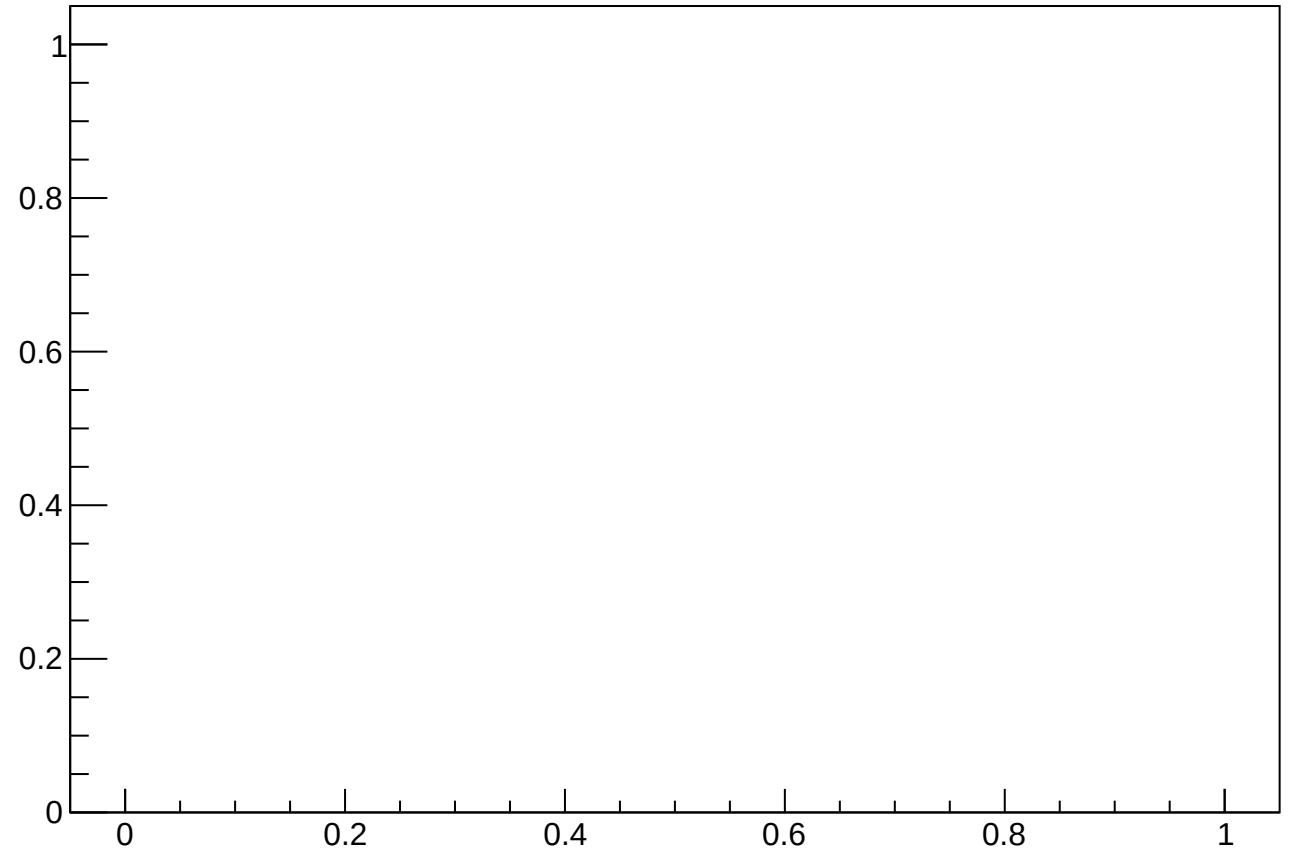
Left: 218.147+/-0.030 χ^2/NDF: 1754215.0/36

Right: 202.182+/-0.040 χ^2/NDF: 1644129.7/35

In: 209.610+/-0.034 χ^2/NDF:1653375.2/34

Out: 215.469+/-0.034 χ^2/NDF:1831114.3/37

All: 212.509+/-0.024 χ^2/NDF: 3499378.4/72



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

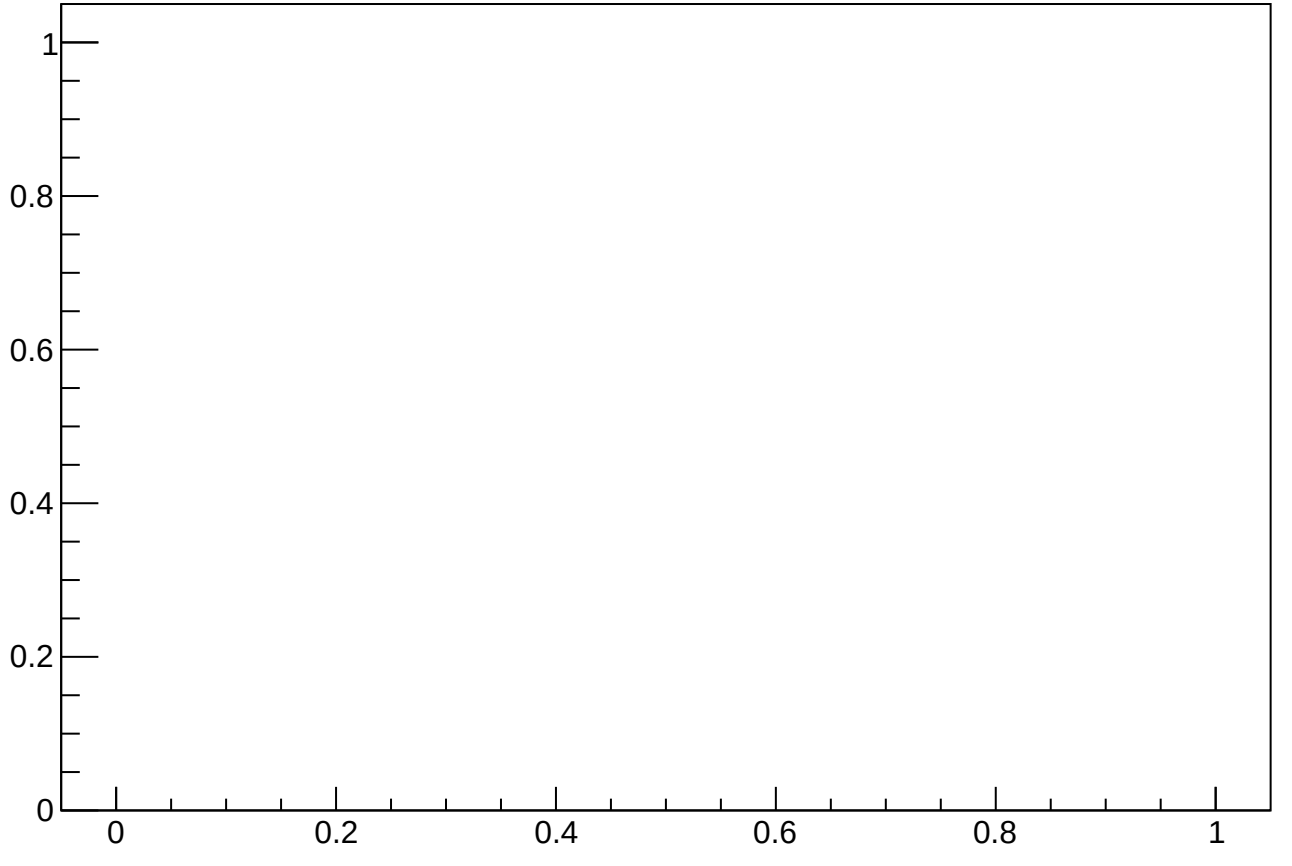
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

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

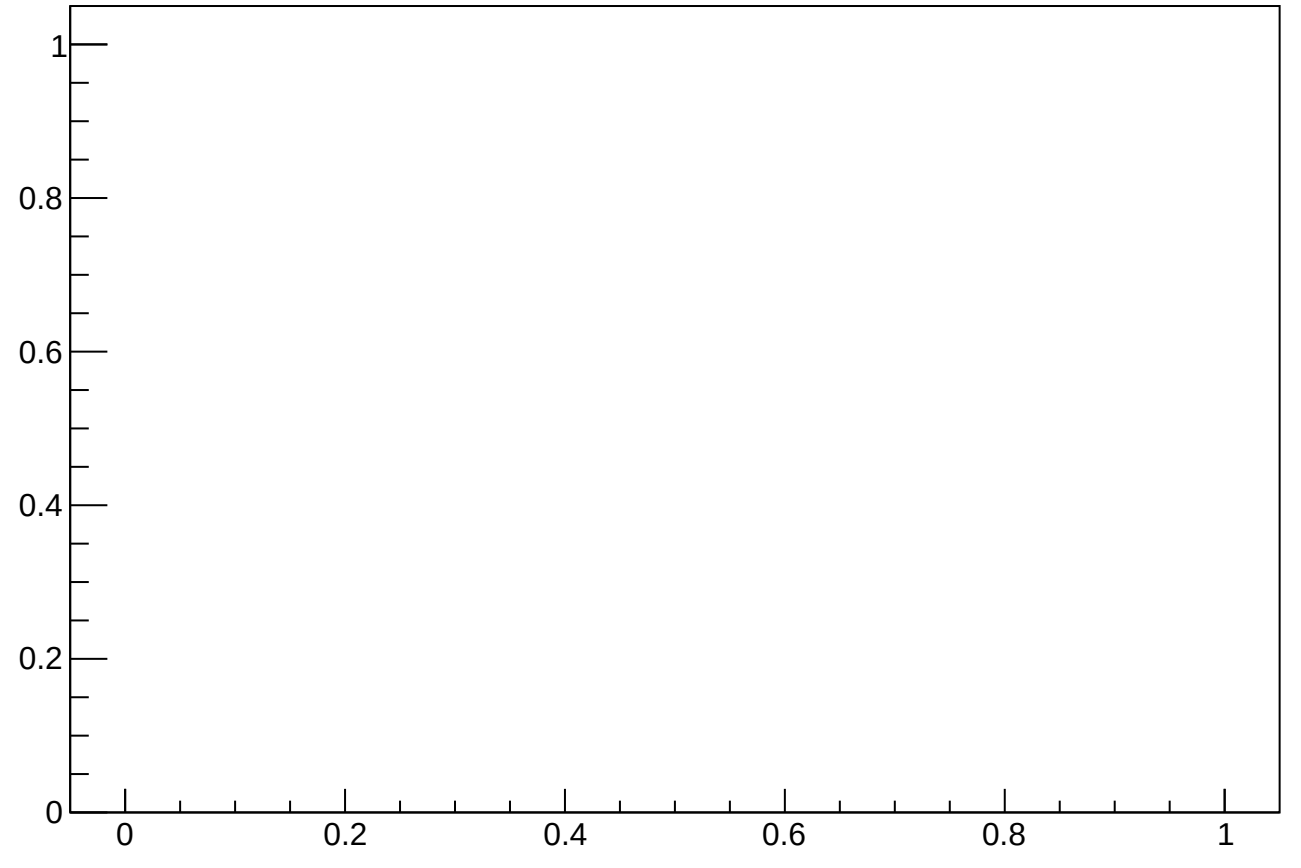
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

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



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

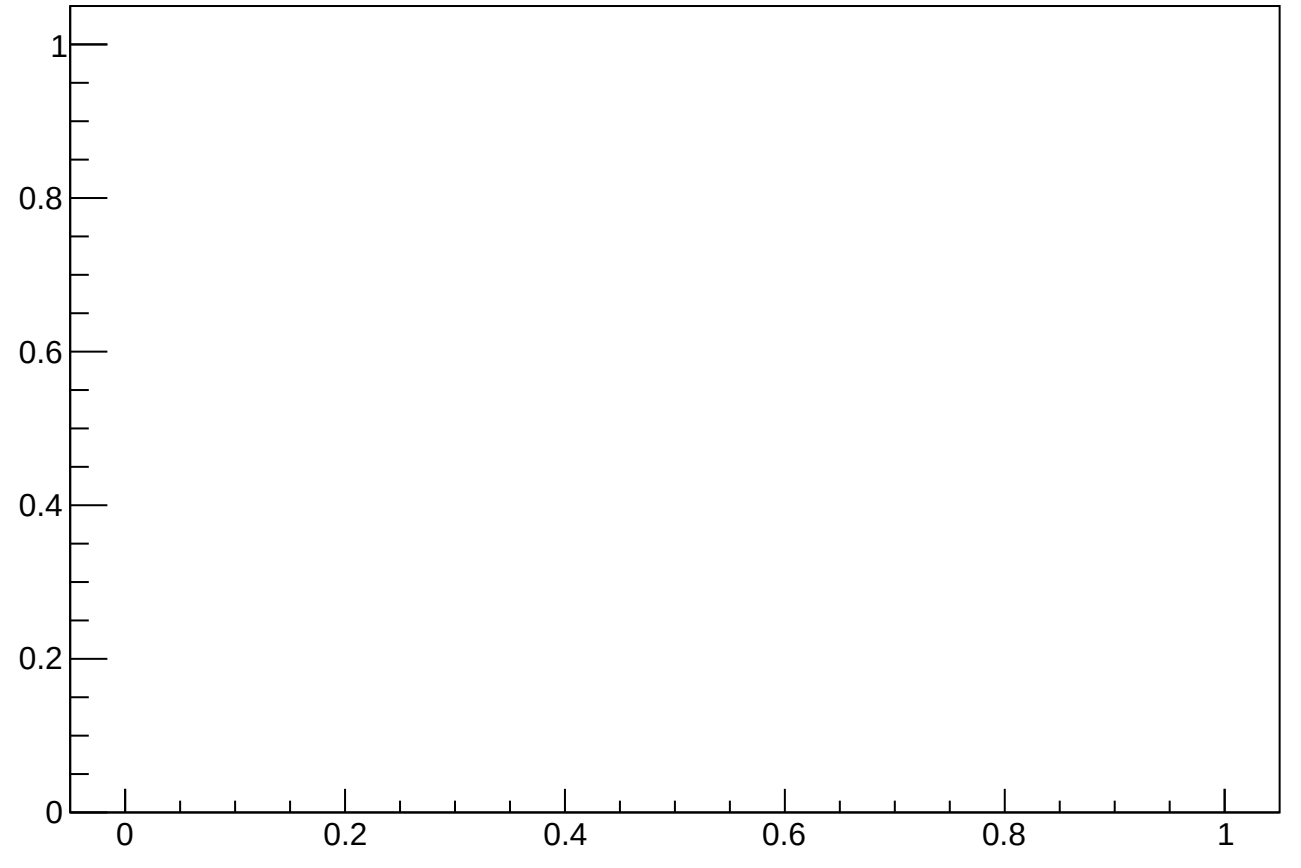
Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

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



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

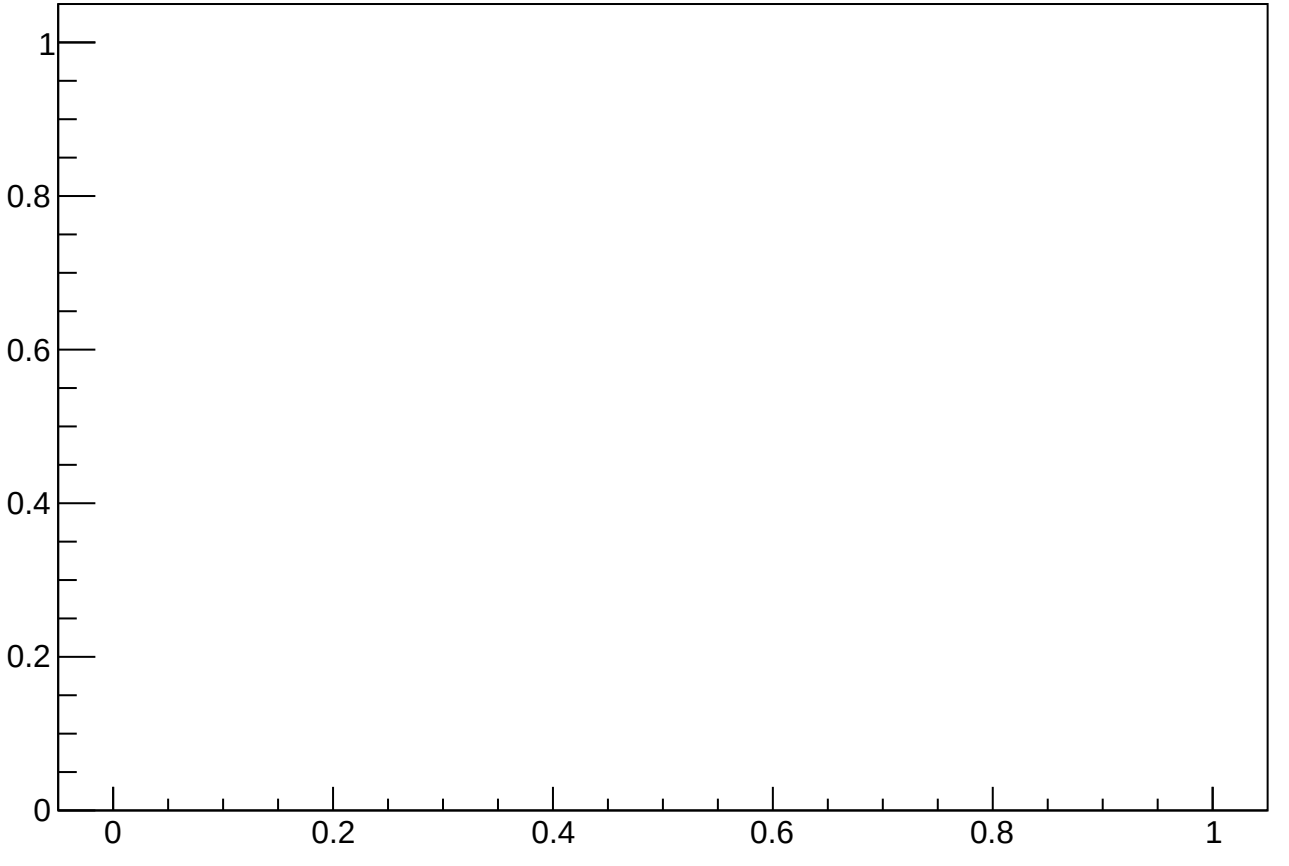
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.000+/-0.000 χ^2/NDF:0.0/0

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 0.000+/-0.000 χ^2/NDF: 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

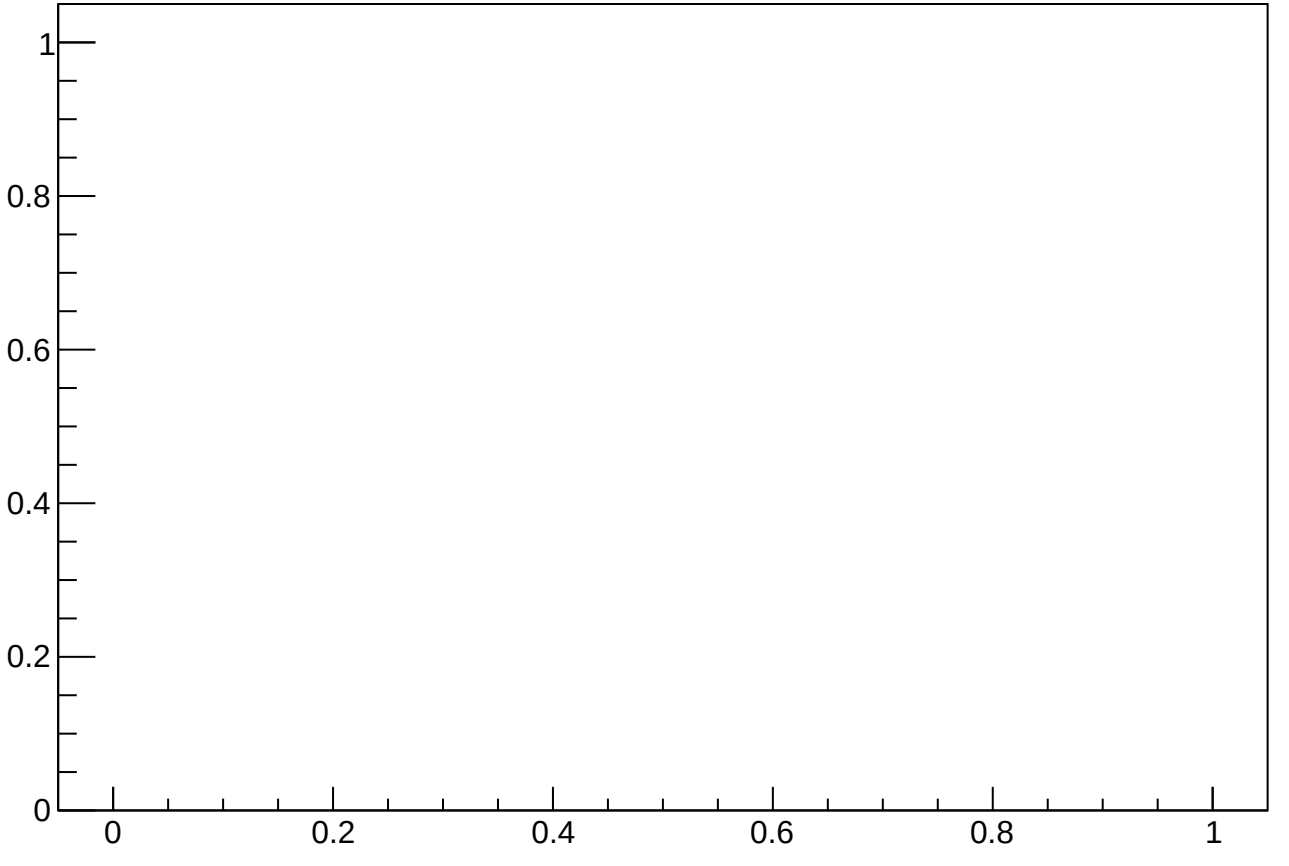
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.000+/-0.000 χ^2/NDF:0.0/0

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 0.000+/-0.000 χ^2/NDF: 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

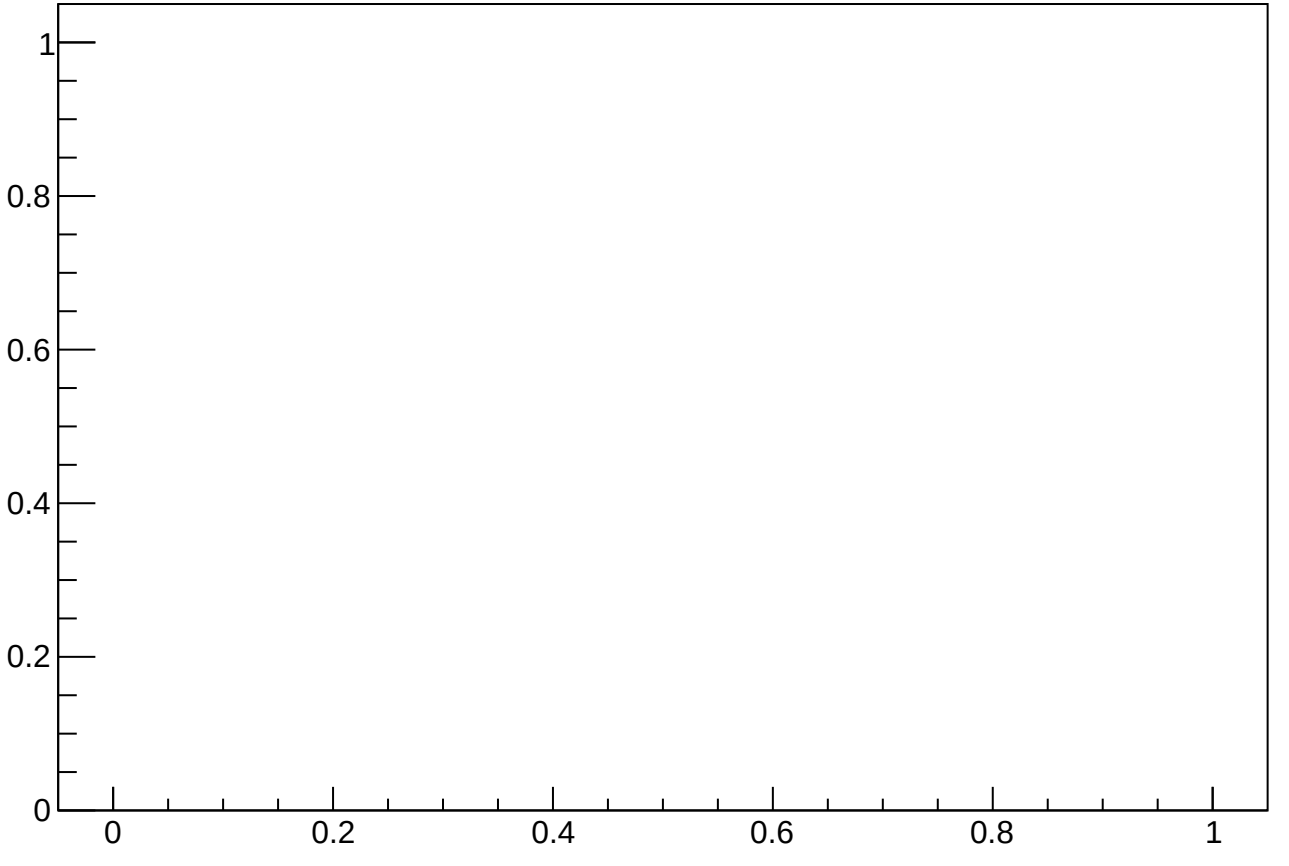
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.000+/-0.000 χ^2/NDF:0.0/0

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 0.000+/-0.000 χ^2/NDF: 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

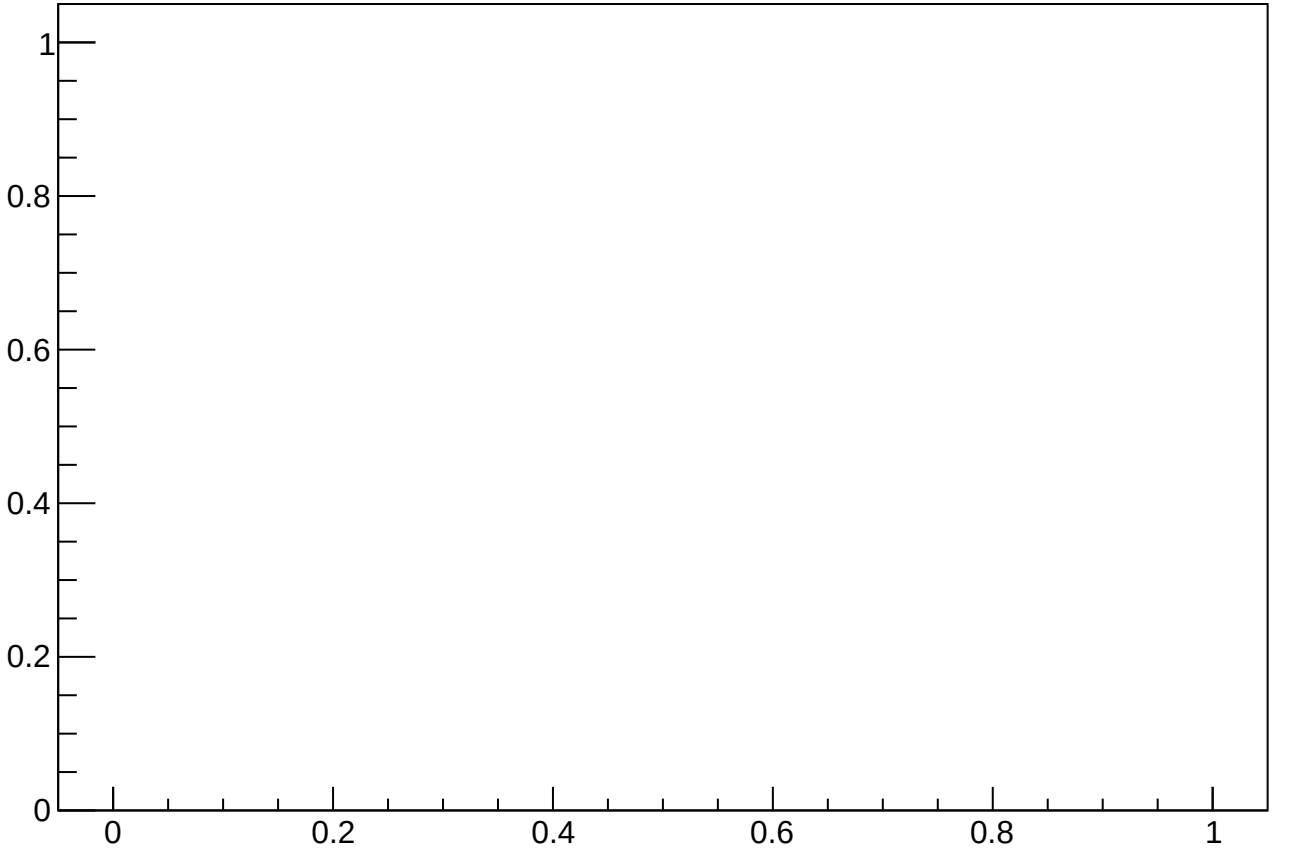
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.000+/-0.000 χ^2/NDF:0.0/0

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 0.000+/-0.000 χ^2/NDF: 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 0.000+/-0.000 χ^2/NDF:0.0/0

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

Left In: 0.000+/-0.000 χ^2/NDF:0.0/0

Left: 0.000+/-0.000 χ^2/NDF: 0.0/0

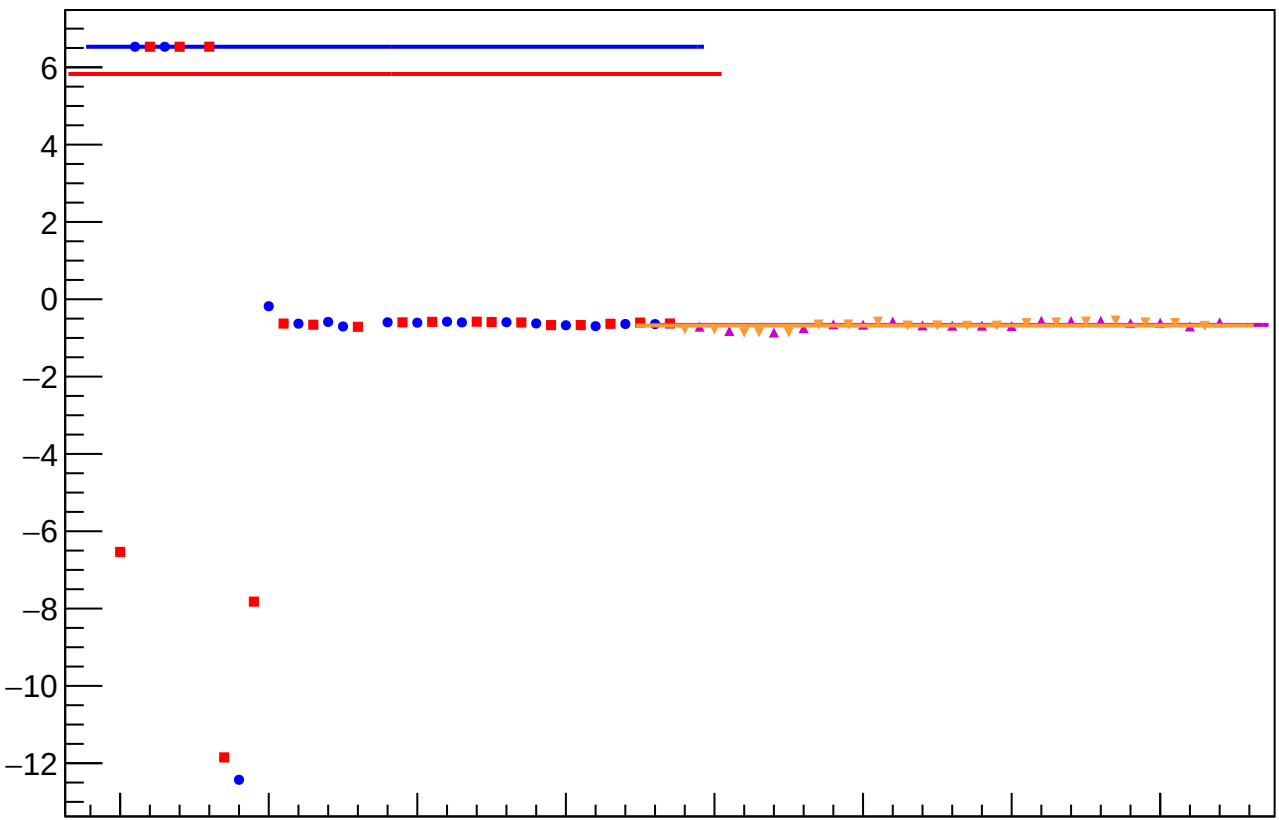
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.000+/-0.000 χ^2/NDF:0.0/0

Out: 0.000+/-0.000 χ^2/NDF:0.0/0

All: 0.000+/-0.000 χ^2/NDF: 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF: 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: -0.662+/-0.000 χ^2/NDF:102177816.5/17

Left: -0.671+/-0.000 χ^2/NDF: 231582256.9/36

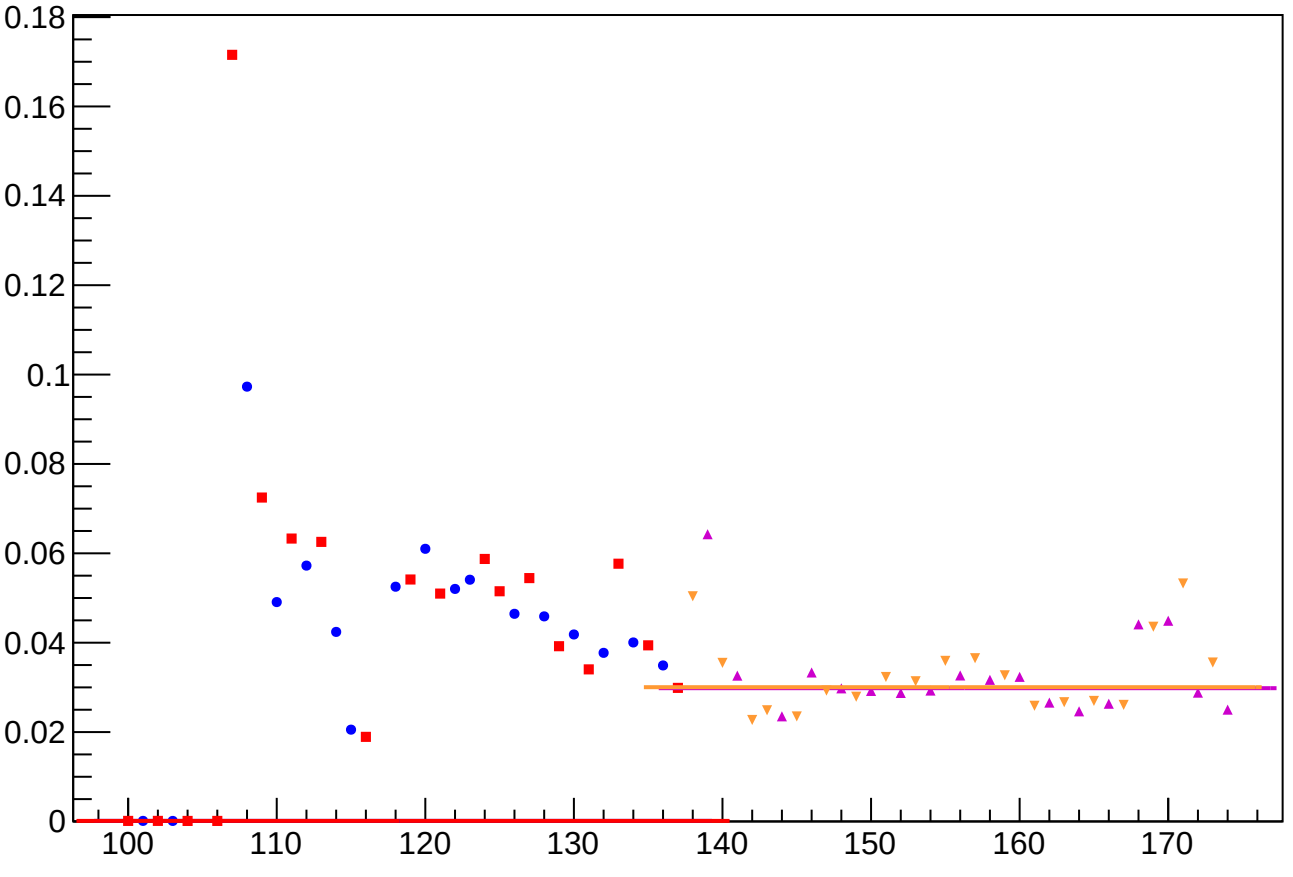
Right: 6.155+/-0.000 χ^2/NDF: 776094576922584.5/

In: 6.530+/-0.000 χ^2/NDF:765793650925.7/34

Out: 5.827+/-0.000 χ^2/NDF:756483725672827.2/3

All: 6.154+/-0.000 χ^2/NDF: 7724218139870

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:959359.0/17

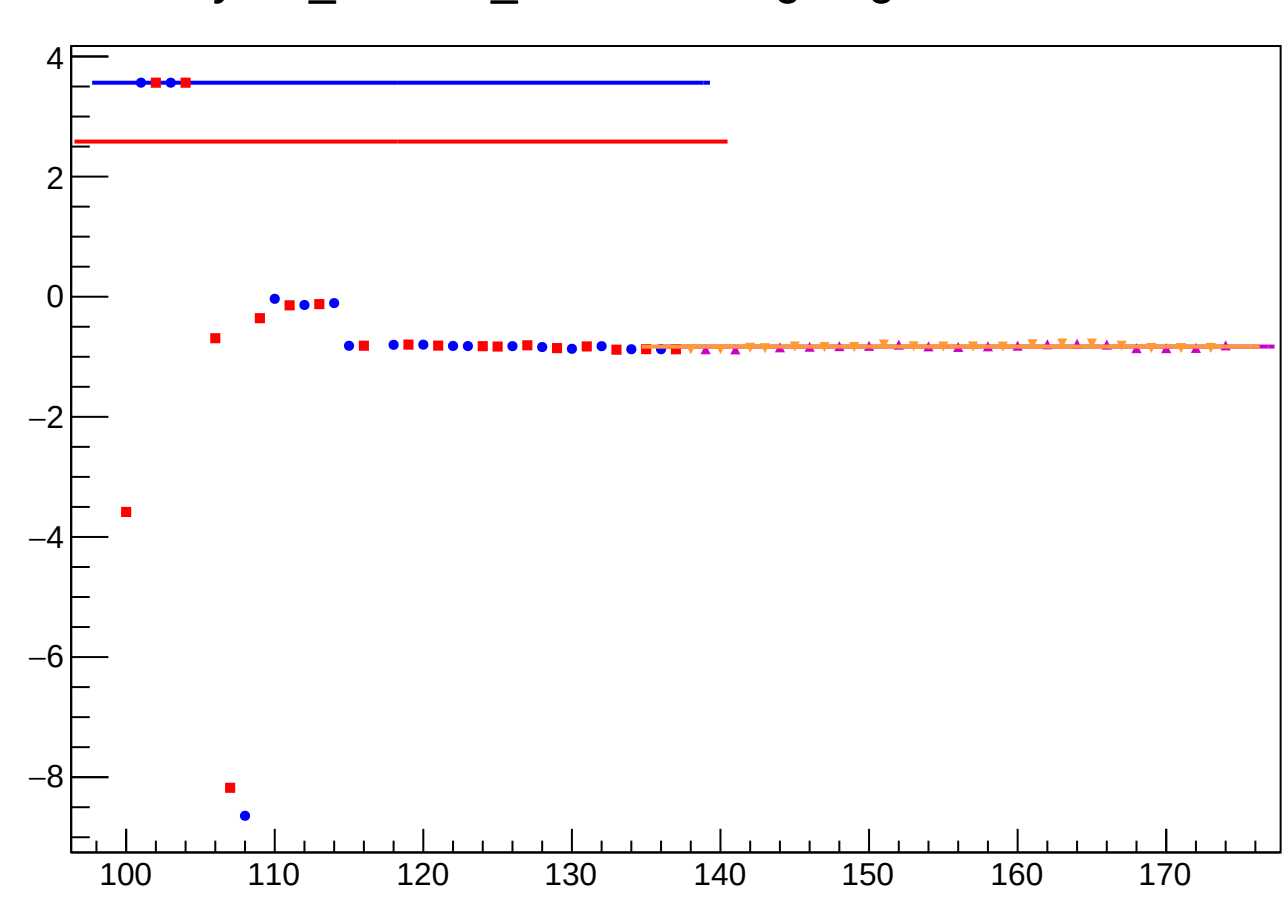
Left: 0.030+/-0.000 χ^2/NDF: 1987628.6/36

Right: 0.000+/-0.000 χ^2/NDF: 18237948.0/35

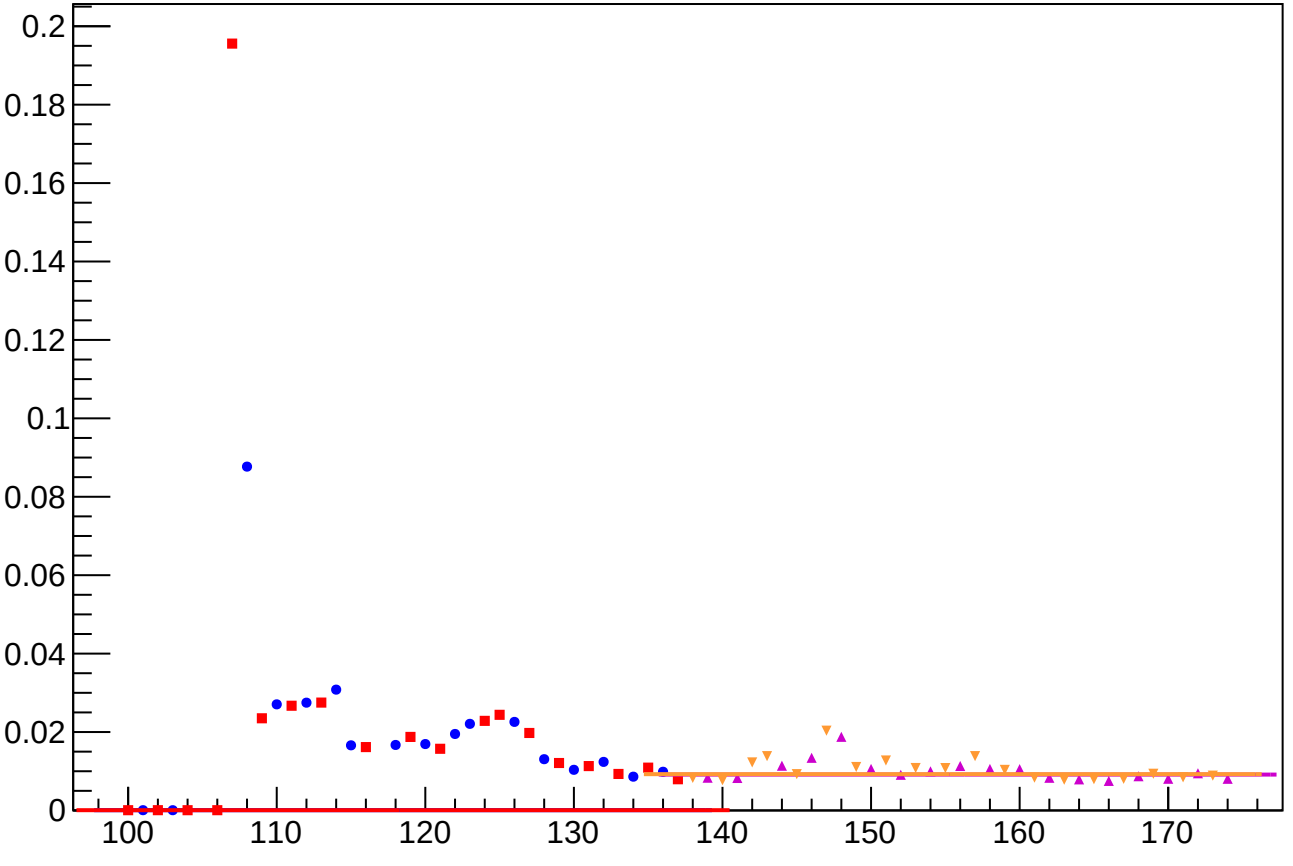
In: 0.000+/-0.000 χ^2/NDF:31608346.6/34

Out: 0.000+/-0.000 χ^2/NDF:32376914.2/37

All: 0.000+/-0.000 χ^2/NDF: 63985714.2/72


yield_cav4bY_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
−8
100
110
120
130
140
150
160
170
Right In: 3.563+/-0.000 χ²/NDF: 481634392464.0/16
Left Out: -0.831+/-0.000 χ²/NDF:145589867.0/18
Right Out: 2.583+/-0.000 χ²/NDF: 1253502070019187.0/18
Left In: -0.830+/-0.000 χ²/NDF:125974229.3/17
Left: -0.830+/-0.000 χ²/NDF: 271631730.0/36
Right: 3.040+/-0.000 χ²/NDF: 1382254685120485.
In: 3.561+/-0.000 χ²/NDF:3138568307293.9/34
Out: 2.582+/-0.000 χ²/NDF:1255077348441877.0
All: 3.038+/-0.000 χ²/NDF: 13863418427621

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:820600.2/17

Left: 0.009+/-0.000 χ^2/NDF: 1902743.9/36

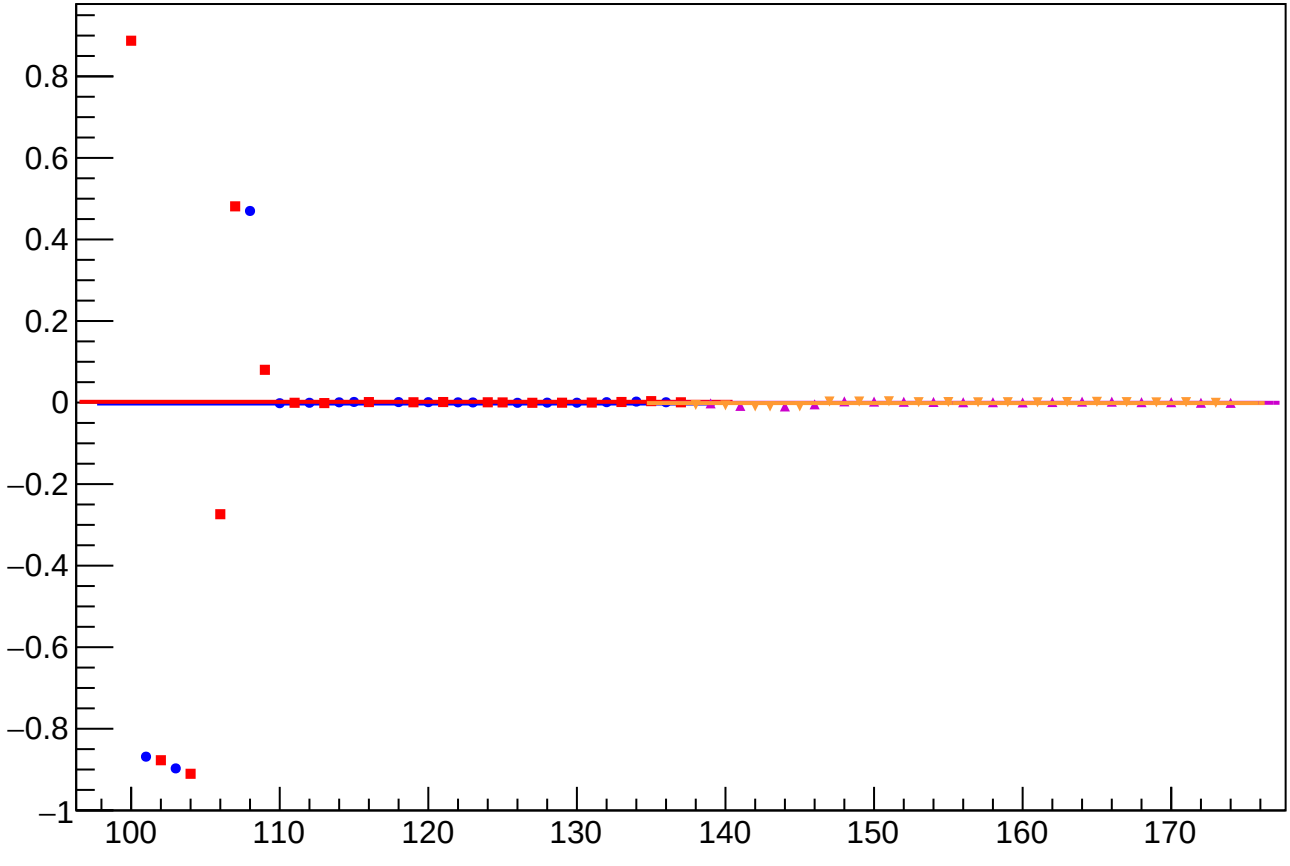
Right: 0.000+/-0.000 χ^2/NDF: 19586090.4/35

In: 0.000+/-0.000 χ^2/NDF:33238138.2/34

Out: 0.000+/-0.000 χ^2/NDF:33745055.7/37

All: 0.000+/-0.000 χ^2/NDF: 66983942.3/72

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:67353152.1/17

Left: -0.001+/-0.000 χ^2/NDF: 163667689.0/36

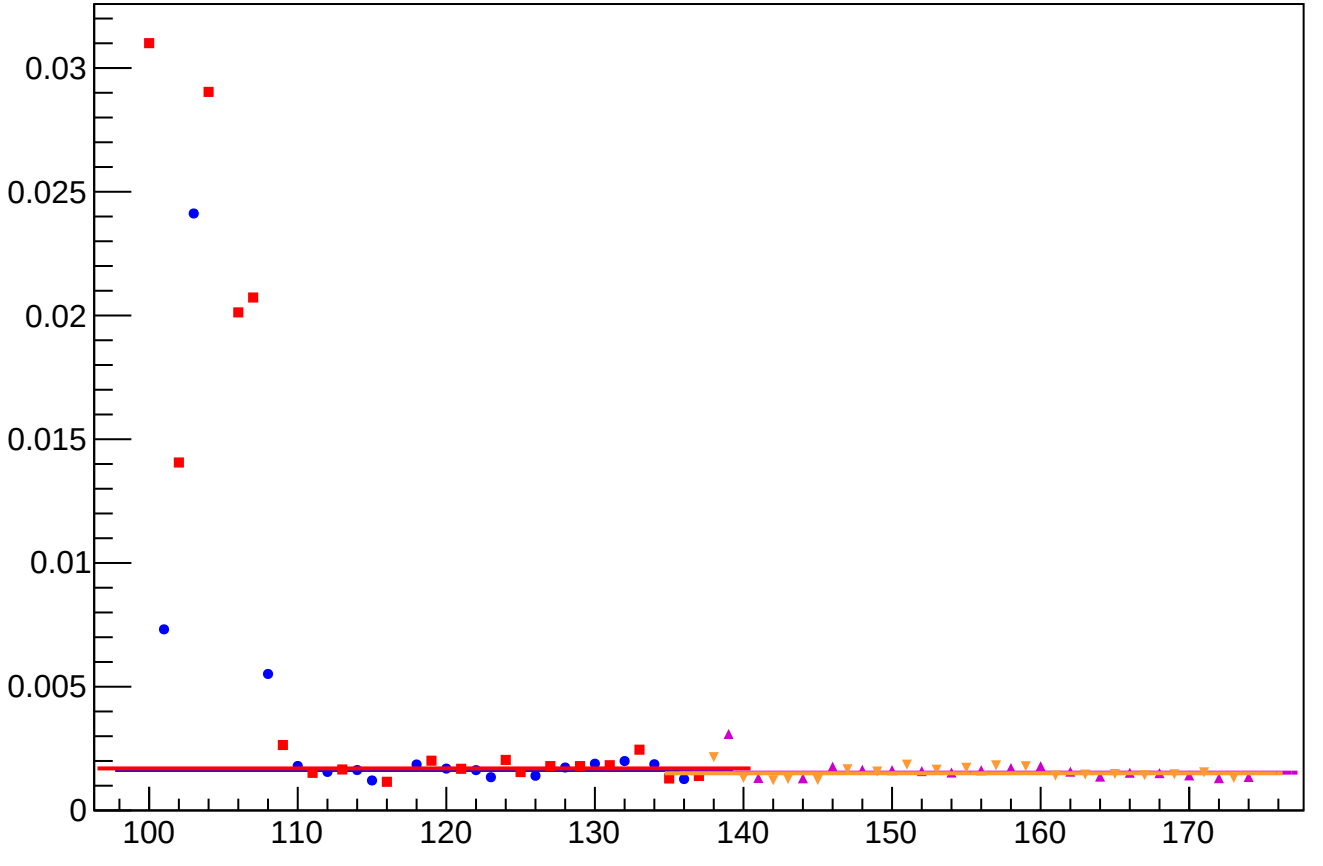
Right: -0.000+/-0.000 χ^2/NDF: 12850350896.6/35

In: -0.001+/-0.000 χ^2/NDF:9866103525.7/34

Out: -0.001+/-0.000 χ^2/NDF:3148167750.2/37

All: -0.001+/-0.000 χ^2/NDF: 13014967584.1/

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 1916349.1/16

Left Out: 0.002+/-0.000 χ^2/NDF:454990.9/18

Right Out: 0.002+/-0.000 χ^2/NDF: 3023899.0/18

Left In: 0.002+/-0.000 χ^2/NDF:603018.0/17

Left: 0.002+/-0.000 χ^2/NDF: 1061322.4/36

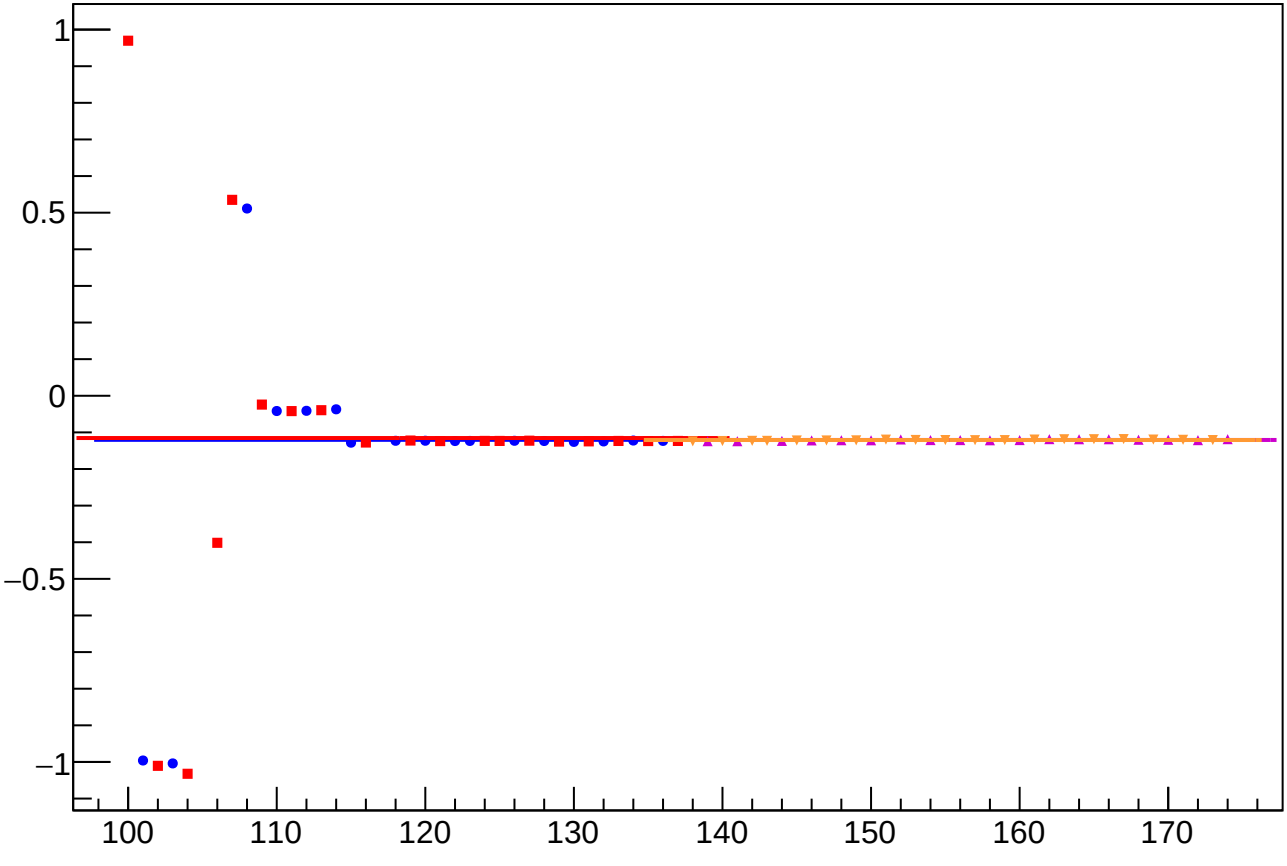
Right: 0.002+/-0.000 χ^2/NDF: 4945998.5/35

In: 0.002+/-0.000 χ^2/NDF:2549483.9/34

Out: 0.002+/-0.000 χ^2/NDF:3569669.5/37

All: 0.002+/-0.000 χ^2/NDF: 6119595.3/72

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:33604493.4/17

Left: -0.121+/-0.000 χ^2/NDF: 65985085.7/36

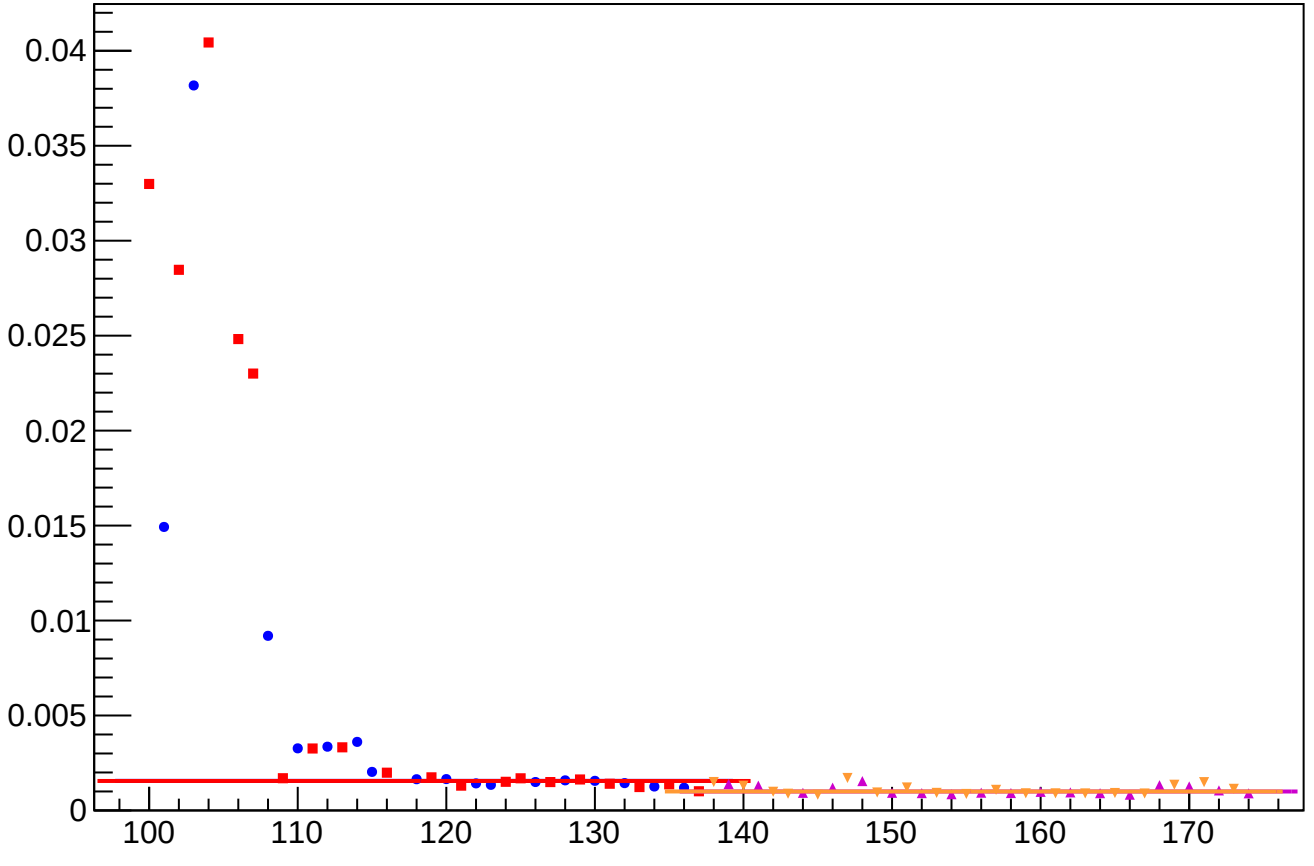
Right: -0.118+/-0.000 χ^2/NDF: 6411653427.4/35

In: -0.121+/-0.000 χ^2/NDF:3965967923.7/34

Out: -0.120+/-0.000 χ^2/NDF:2537481714.5/37

All: -0.120+/-0.000 χ^2/NDF: 6505287275.0/7

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 2901093.3/16

Left Out: 0.001+/-0.000 χ^2/NDF:1033974.1/18

Right Out: 0.002+/-0.000 χ^2/NDF: 3539455.6/18

Left In: 0.001+/-0.000 χ^2/NDF:753353.9/17

Left: 0.001+/-0.000 χ^2/NDF: 1787368.0/36

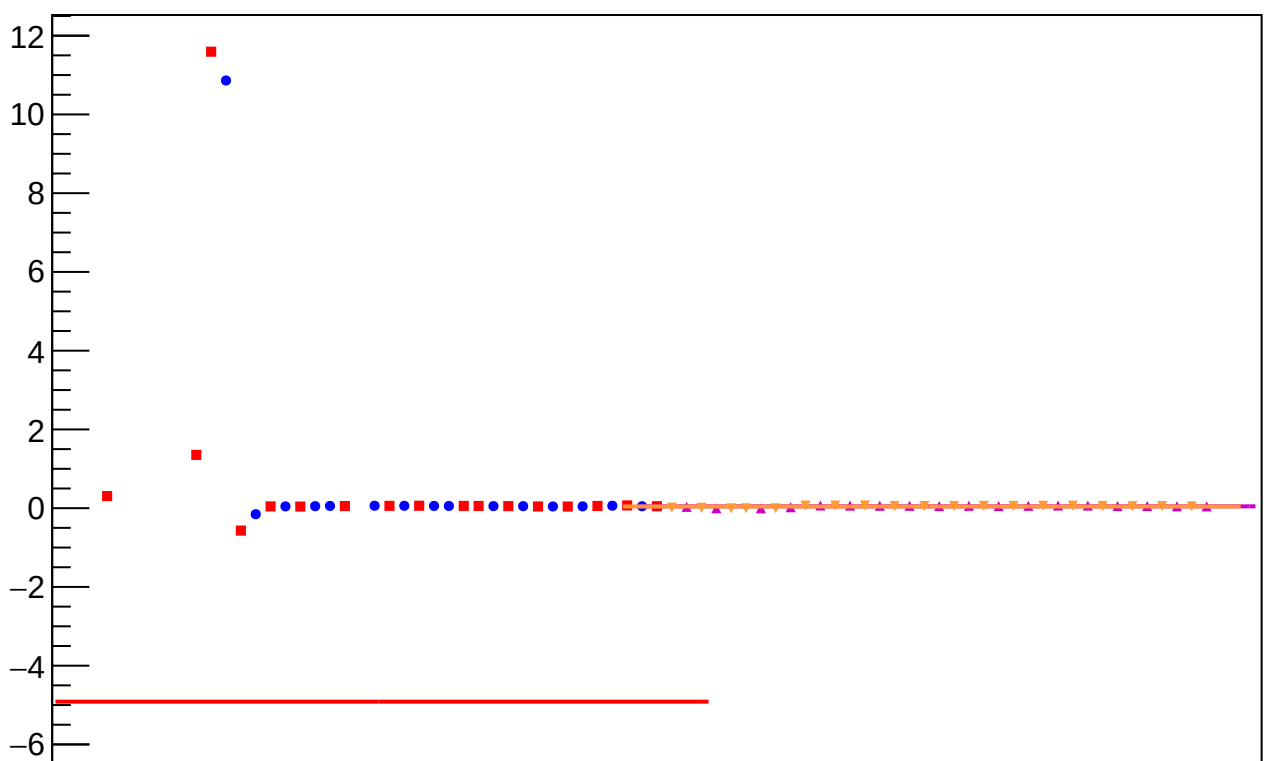
Right: 0.002+/-0.000 χ^2/NDF: 6440590.7/35

In: 0.001+/-0.000 χ^2/NDF:4679329.9/34

Out: 0.001+/-0.000 χ^2/NDF:5581677.5/37

All: 0.001+/-0.000 χ^2/NDF: 10261024.5/72

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:74641248.0/17

Left: 0.045+/-0.000 χ^2/NDF: 171787996.6/36

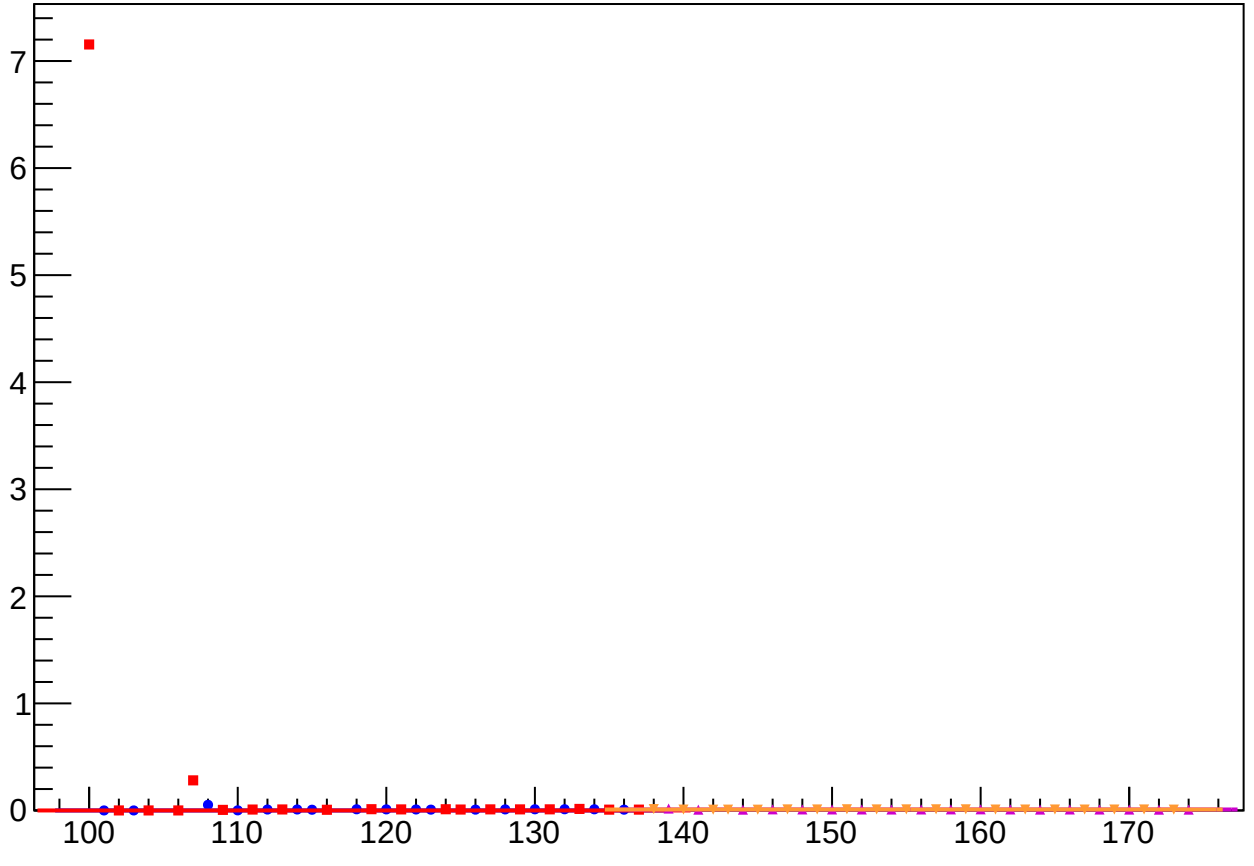
Right: -5.900+/-0.000 χ^2/NDF: 430307691650468.6

In: -6.937+/-0.000 χ^2/NDF:15582115933302.5/34

Out: -4.888+/-0.000 χ^2/NDF:368909733964649.2/

All: -5.868+/-0.000 χ^2/NDF: 4403131200800

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:607499.9/17

Left: 0.009+/-0.000 χ^2/NDF: 1063602.4/36

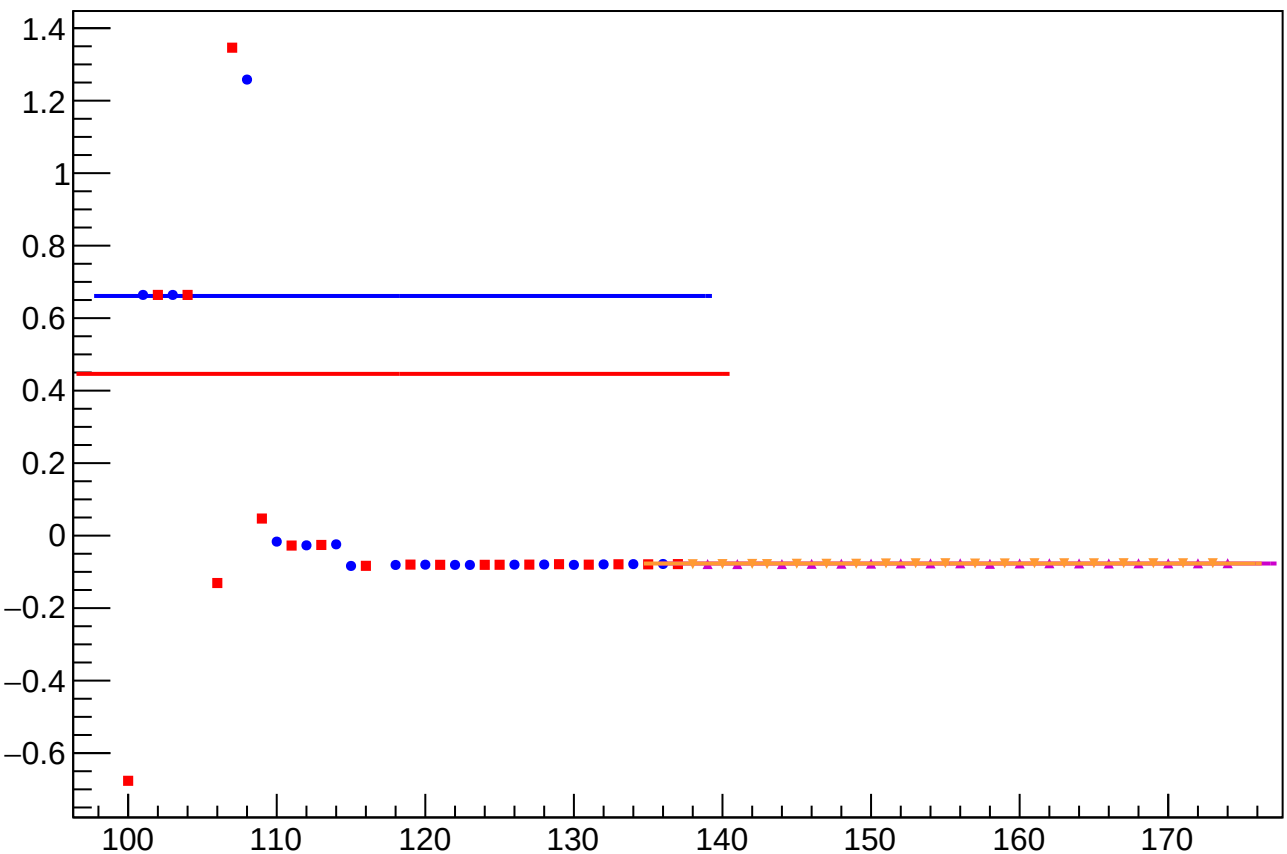
Right: 0.000+/-0.000 χ^2/NDF: 17018999.2/35

In: 0.000+/-0.000 χ^2/NDF:30413607.8/34

Out: 0.000+/-0.000 χ^2/NDF:31011156.1/37

All: 0.000+/-0.000 χ^2/NDF: 61425762.4/72

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000 χ^2/NDF: 5607525081216.0/16

Left Out: -0.077+/-0.000 χ^2/NDF:35189304.9/18

Right Out: 0.446+/-0.000 χ^2/NDF: 405416924315199.0/18

Left In: -0.077+/-0.000 χ^2/NDF:26996707.1/17

Left: -0.077+/-0.000 χ^2/NDF: 62187129.0/36

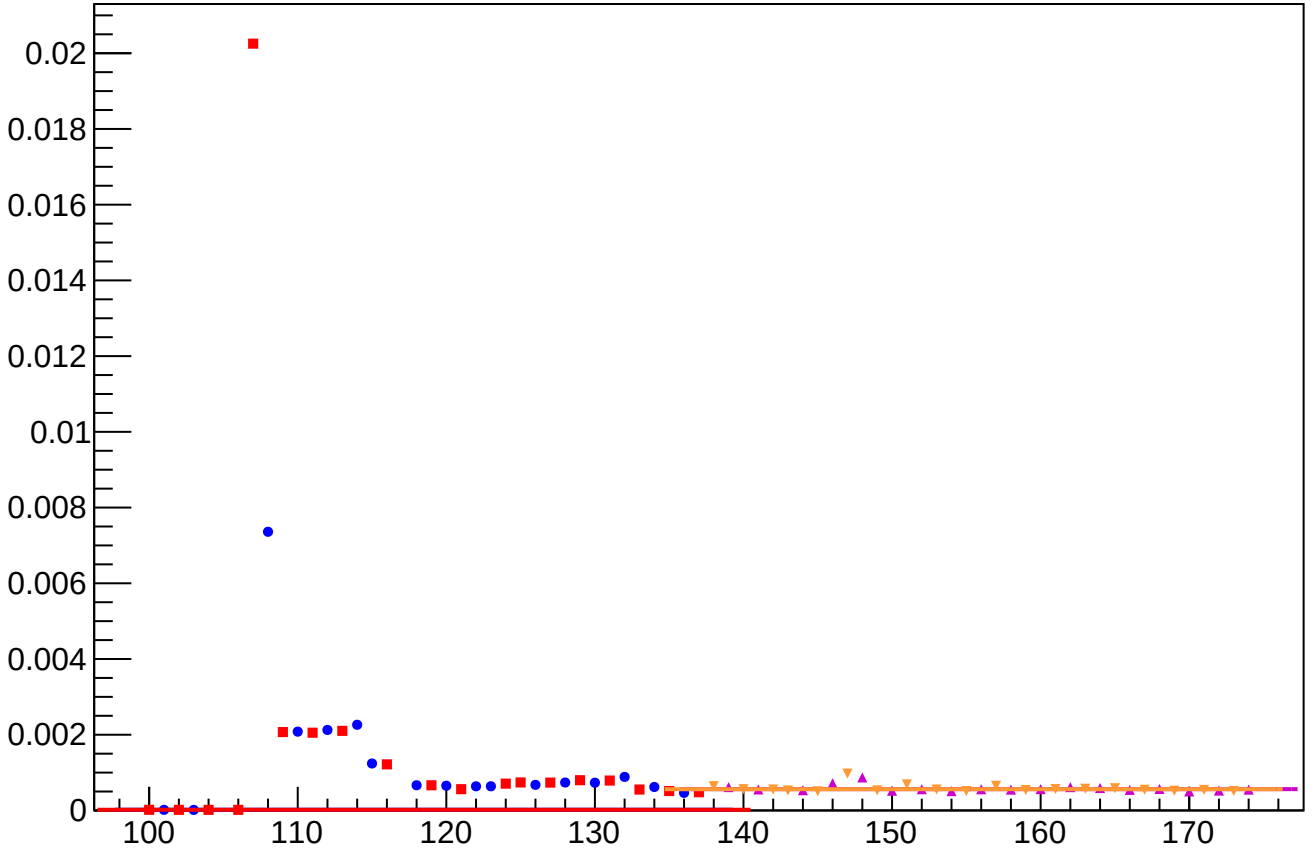
Right: 0.549+/-0.000 χ^2/NDF: 473947475230218.3/

In: 0.649+/-0.000 χ^2/NDF:28273520754946.7/34

Out: 0.439+/-0.000 χ^2/NDF:416986079230010.9/3

All: 0.539+/-0.000 χ^2/NDF: 5067928377174

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:352386.3/17

Left: 0.001+/-0.000 χ^2/NDF: 792100.3/36

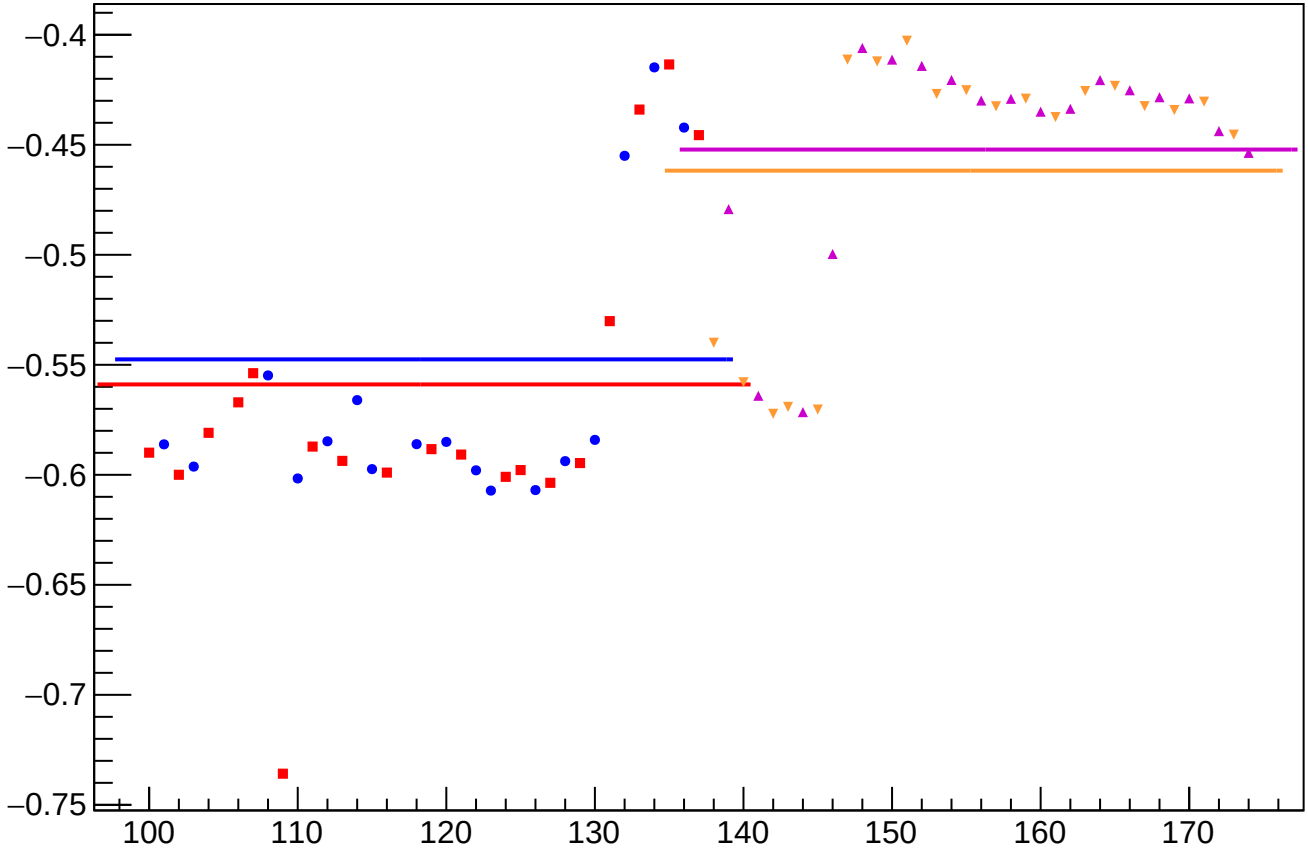
Right: 0.000+/-0.000 χ^2/NDF: 19354868.6/35

In: 0.000+/-0.000 χ^2/NDF:34904705.4/34

Out: 0.000+/-0.000 χ^2/NDF:34847498.6/37

All: 0.000+/-0.000 χ^2/NDF: 69753567.3/72

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:75253764.8/17

Left: -0.457+/-0.000 χ^2/NDF: 183118032.8/36

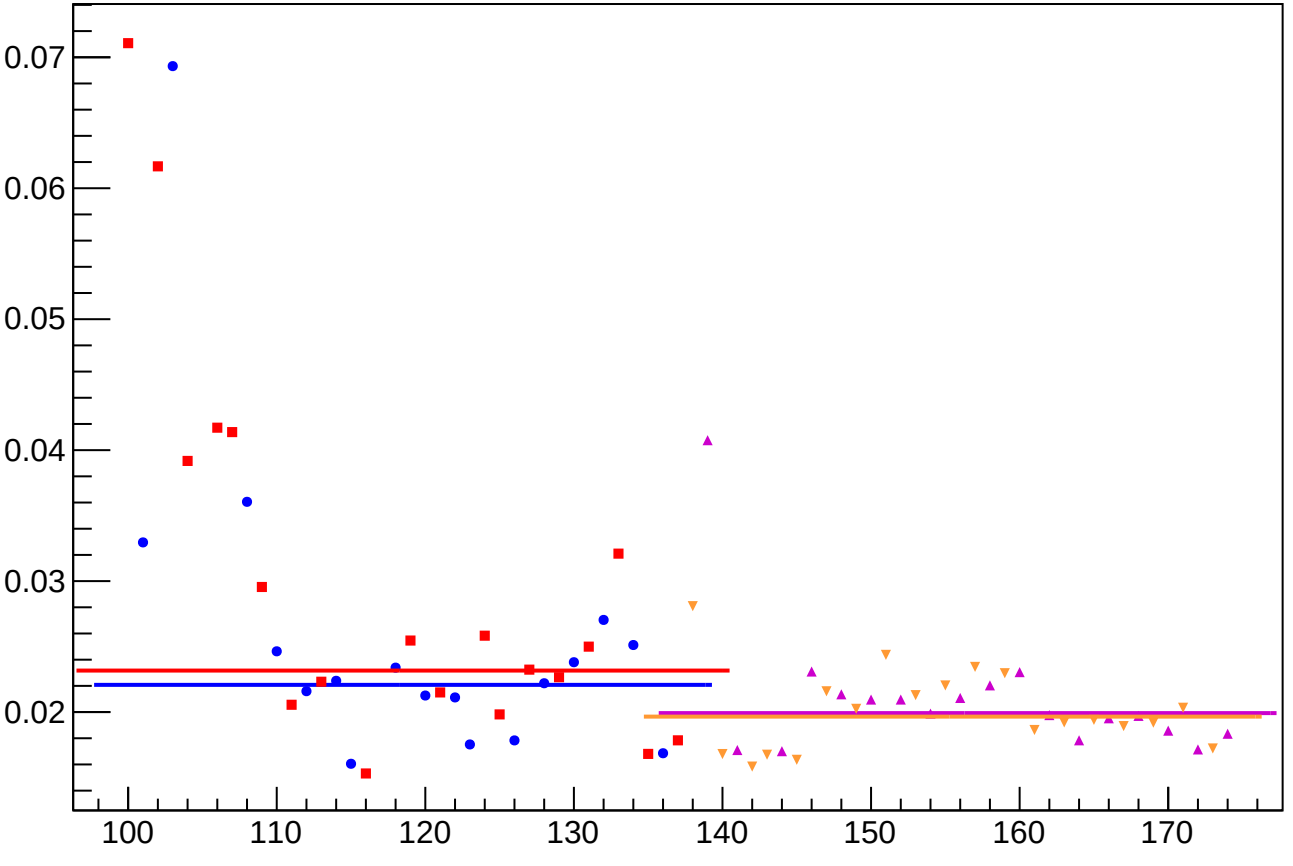
Right: -0.553+/-0.000 χ^2/NDF: 114532950.1/35

In: -0.478+/-0.000 χ^2/NDF:192757421.4/34

Out: -0.486+/-0.000 χ^2/NDF:241858144.8/37

All: -0.482+/-0.000 χ^2/NDF: 436052501.7/72

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:583158.3/17

Left: 0.020+/-0.000 χ^2/NDF: 1009281.5/36

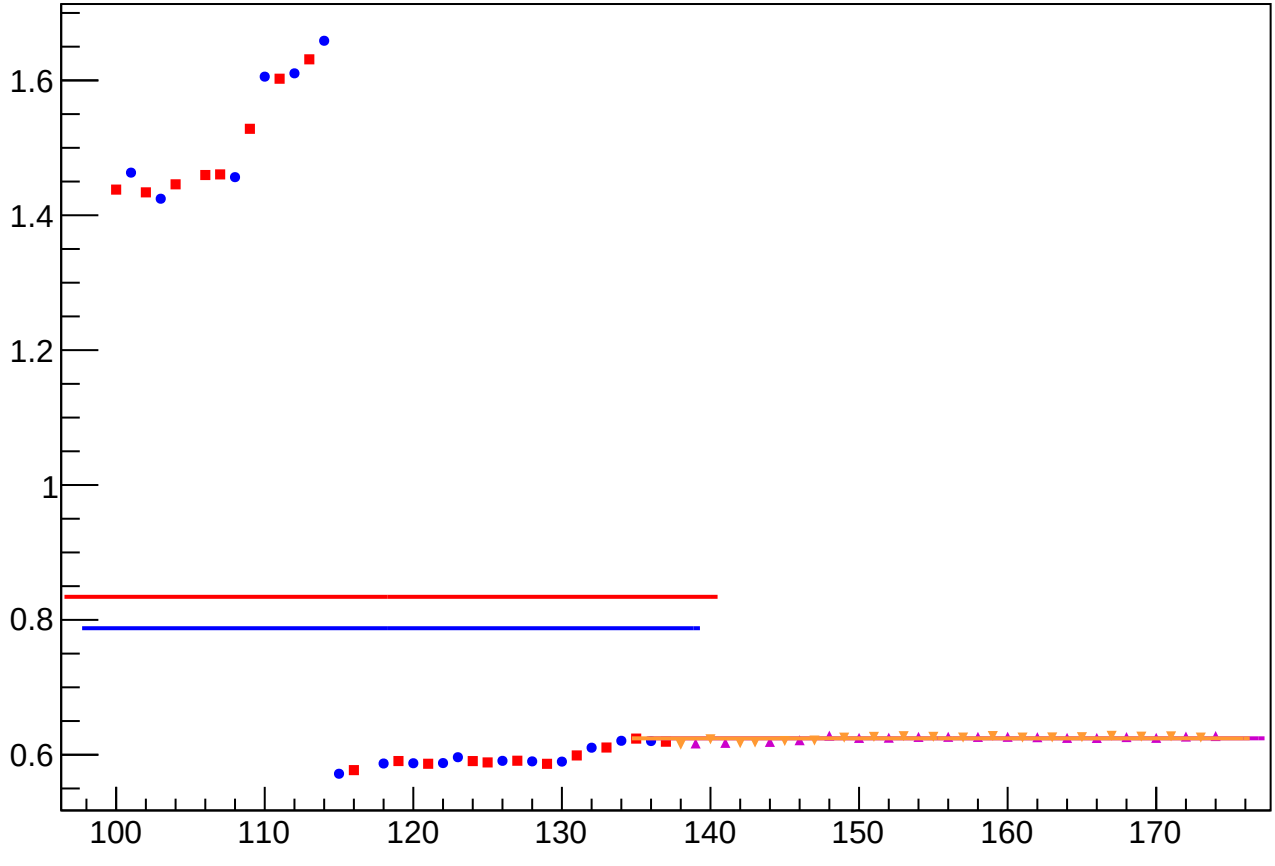
Right: 0.023+/-0.000 χ^2/NDF: 2123609.7/35

In: 0.020+/-0.000 χ^2/NDF:1608487.5/34

Out: 0.021+/-0.000 χ^2/NDF:1764160.5/37

All: 0.021+/-0.000 χ^2/NDF: 3372717.0/72

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:1026526.9/17

Left: 0.624+/-0.000 χ^2/NDF: 2264037.6/36

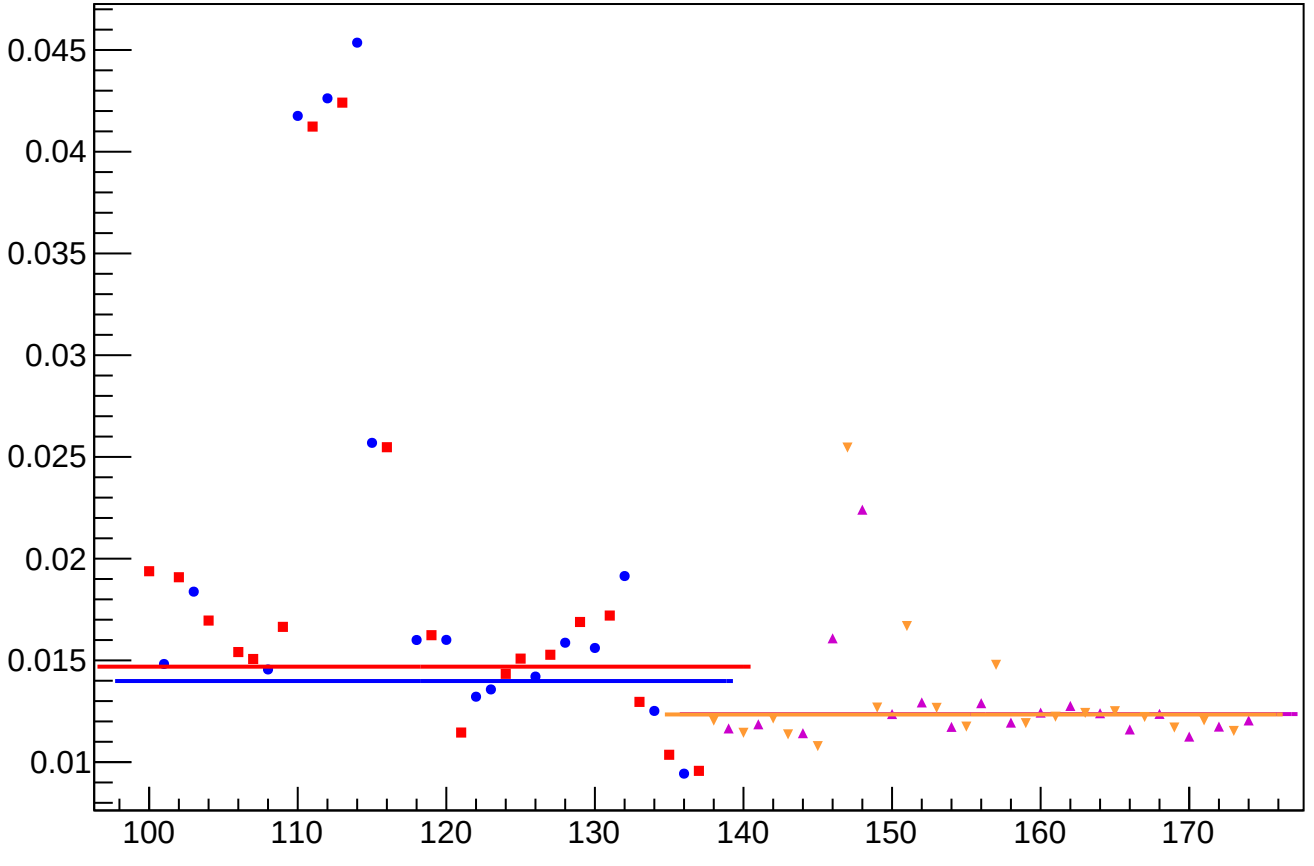
Right: 0.811+/-0.000 χ^2/NDF: 7764167044.9/35

In: 0.664+/-0.000 χ^2/NDF:4159948555.8/34

Out: 0.674+/-0.000 χ^2/NDF:5086696528.4/37

All: 0.669+/-0.000 χ^2/NDF: 9252352718.9/72

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:441548.1/17

Left: 0.012+/-0.000 χ^2/NDF: 1046243.4/36

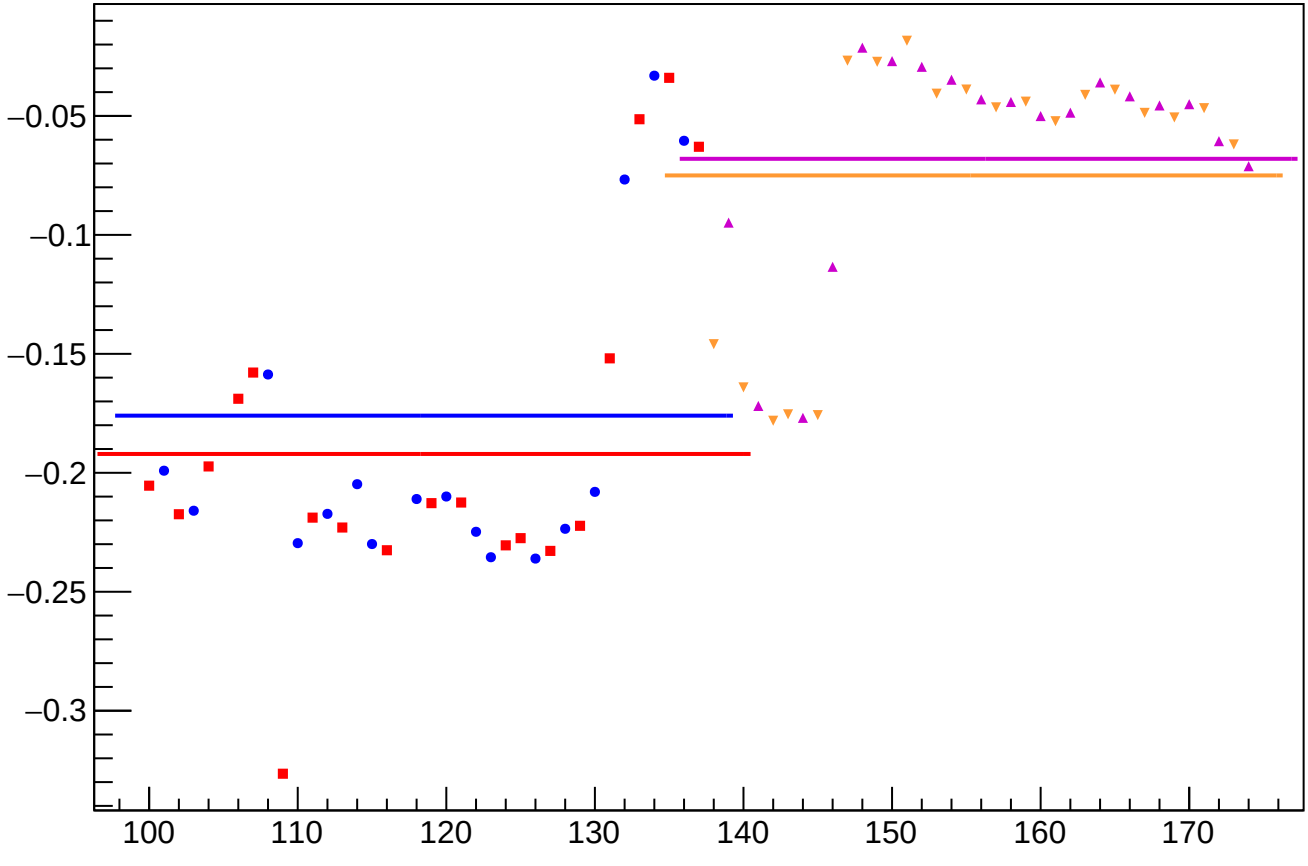
Right: 0.014+/-0.000 χ^2/NDF: 2671110.0/35

In: 0.013+/-0.000 χ^2/NDF:1954392.4/34

Out: 0.013+/-0.000 χ^2/NDF:2096966.8/37

All: 0.013+/-0.000 χ^2/NDF: 4053735.6/72

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:75637933.7/17

Left: -0.072+/-0.000 χ^2/NDF: 177803952.6/36

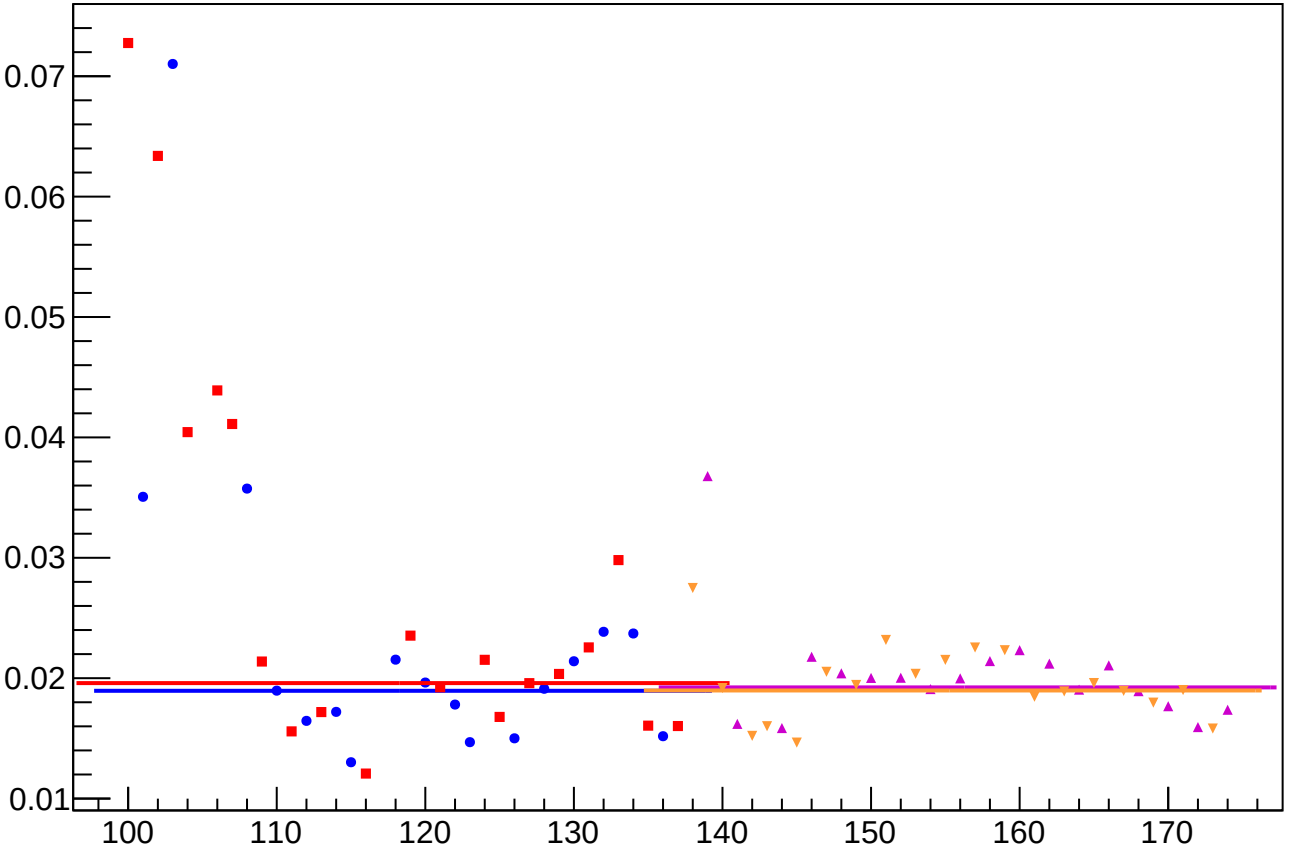
Right: -0.184+/-0.000 χ^2/NDF: 155143425.4/35

In: -0.101+/-0.000 χ^2/NDF:256586979.8/34

Out: -0.110+/-0.000 χ^2/NDF:314643541.1/37

All: -0.106+/-0.000 χ^2/NDF: 572816378.3/72

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:588294.2/17

Left: 0.019+/-0.000 χ^2/NDF: 1067082.4/36

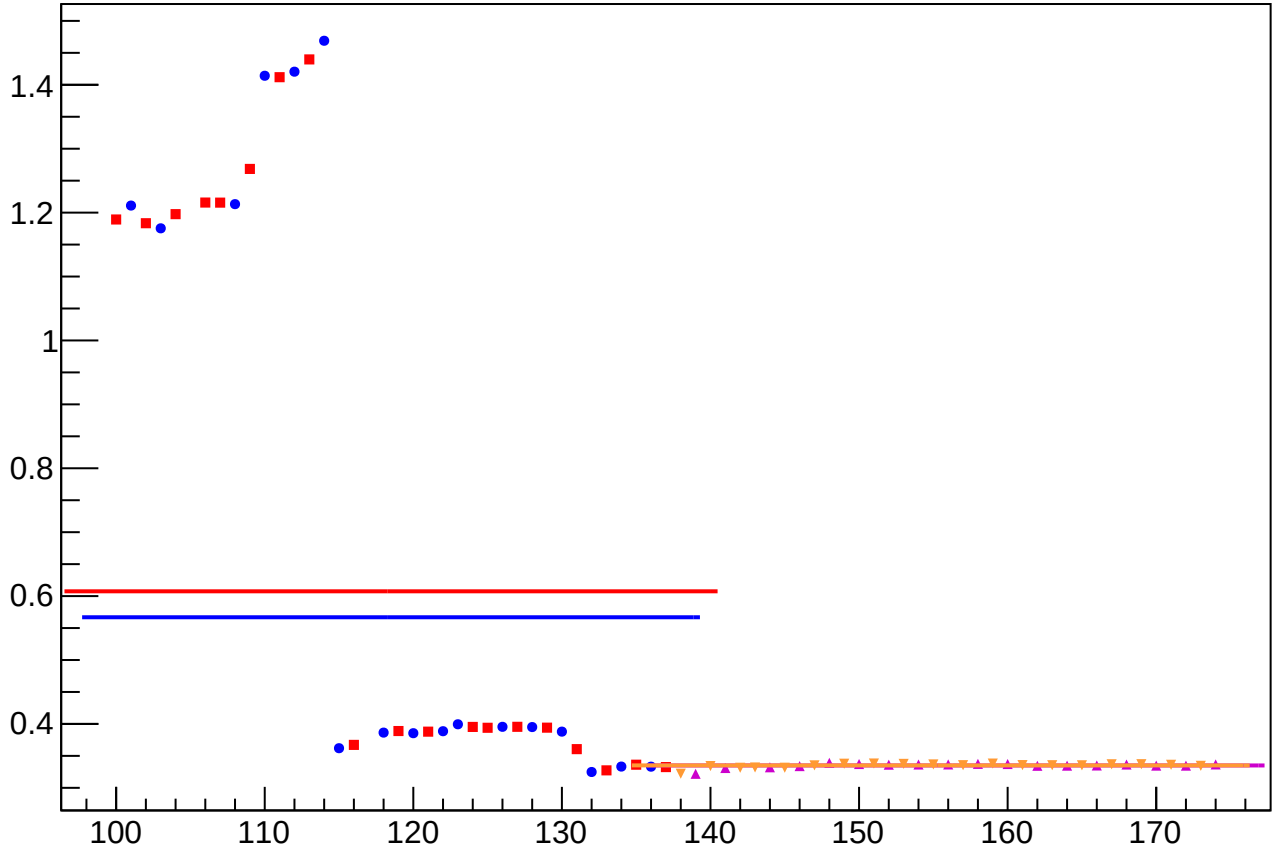
Right: 0.019+/-0.000 χ^2/NDF: 2664188.0/35

In: 0.019+/-0.000 χ^2/NDF:1793082.4/34

Out: 0.019+/-0.000 χ^2/NDF:1939205.5/37

All: 0.019+/-0.000 χ^2/NDF: 3732297.9/72

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.567+/-0.000 χ^2/NDF: 5016913731.3/16

Left Out: 0.335+/-0.000 χ^2/NDF:1134005.2/18

Right Out: 0.607+/-0.000 χ^2/NDF: 5505226431.3/18

Left In: 0.335+/-0.000 χ^2/NDF:1187789.6/17

Left: 0.335+/-0.000 χ^2/NDF: 2322243.2/36

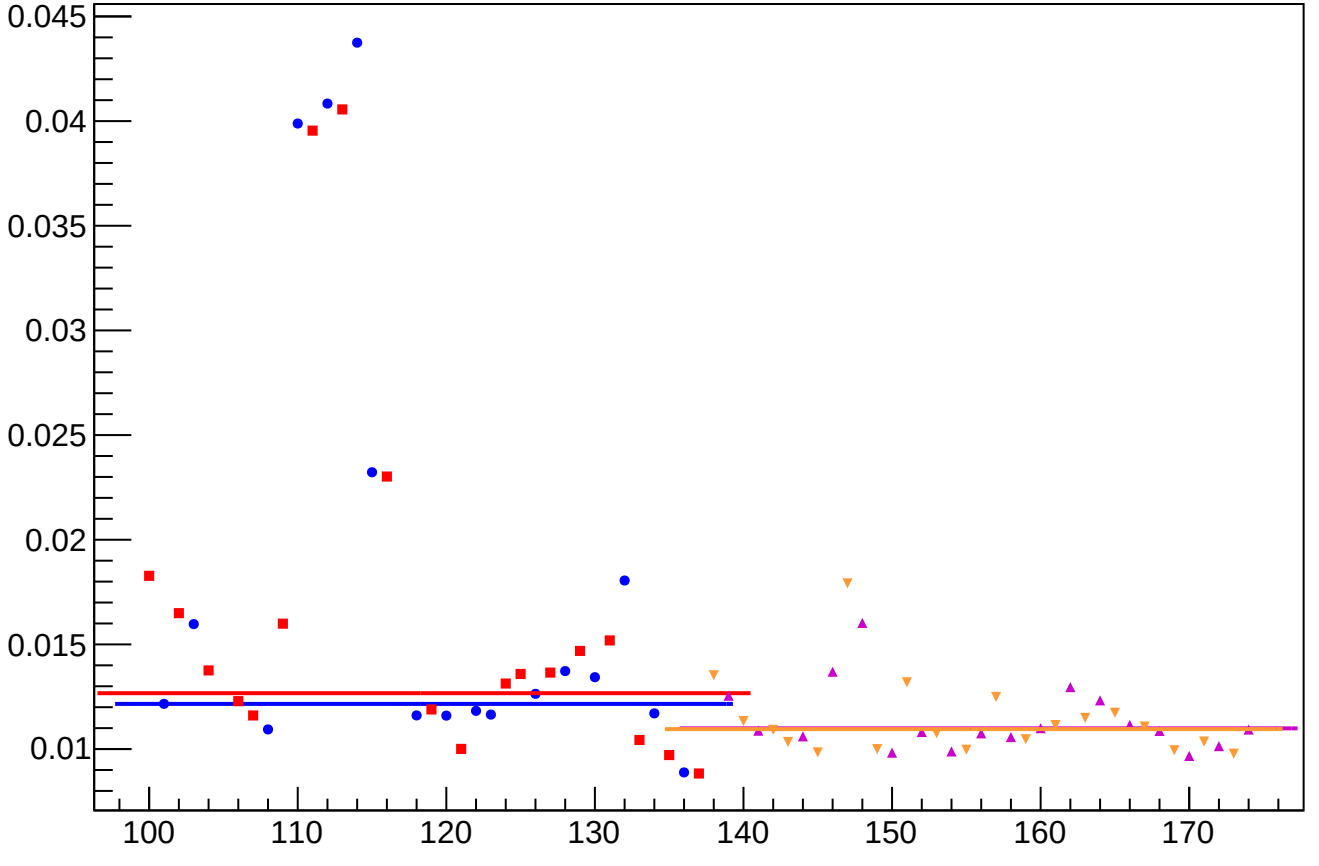
Right: 0.587+/-0.000 χ^2/NDF: 10552855690.4/35

In: 0.394+/-0.000 χ^2/NDF:6536287013.7/34

Out: 0.402+/-0.000 χ^2/NDF:7558153189.8/37

All: 0.398+/-0.000 χ^2/NDF: 14099072500.6/7

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1307948.2/16

Left Out: 0.011+/-0.000 χ^2/NDF:451148.9/18

Right Out: 0.013+/-0.000 χ^2/NDF: 1267219.4/18

Left In: 0.011+/-0.000 χ^2/NDF:368385.6/17

Left: 0.011+/-0.000 χ^2/NDF: 819679.3/36

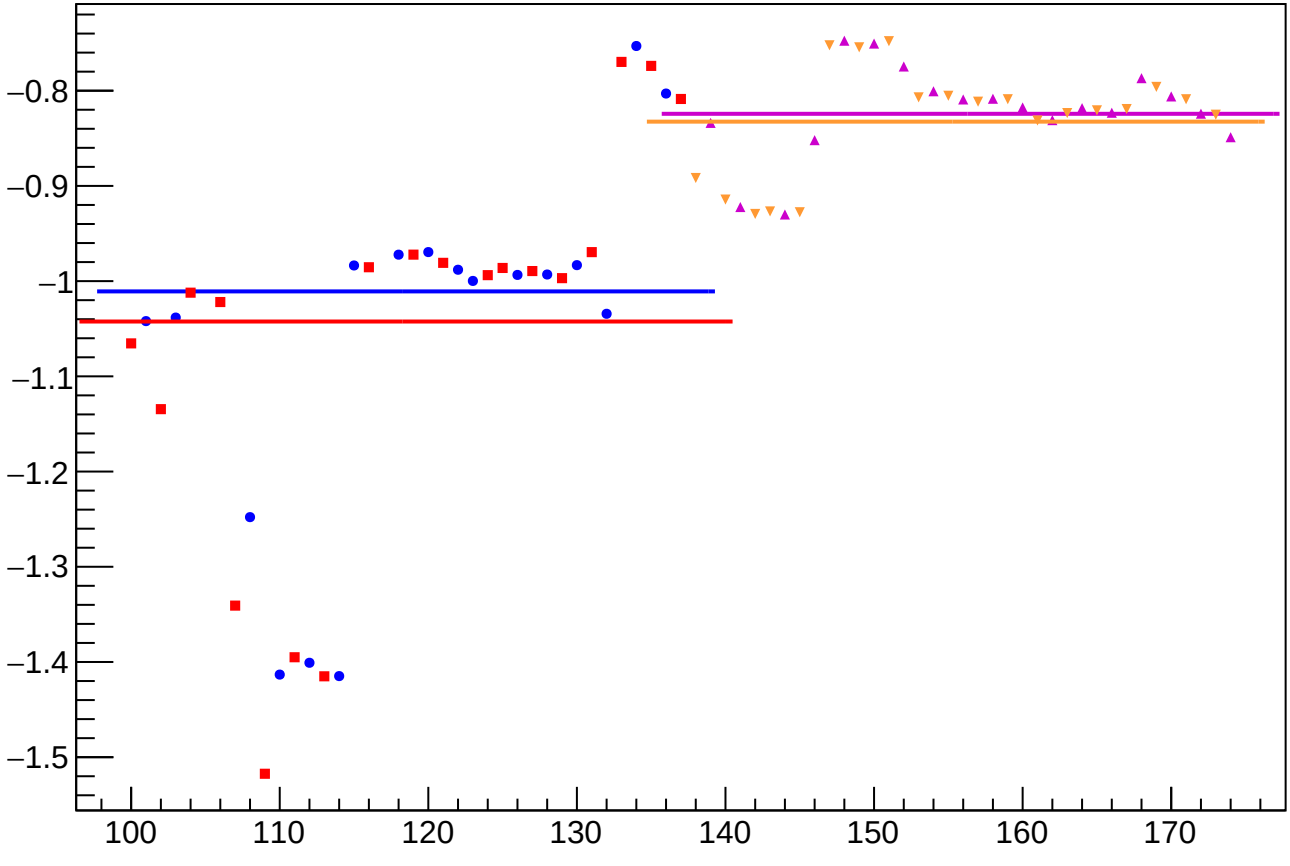
Right: 0.012+/-0.000 χ^2/NDF: 2584926.4/35

In: 0.011+/-0.000 χ^2/NDF:1753389.4/34

Out: 0.011+/-0.000 χ^2/NDF:1881203.0/37

All: 0.011+/-0.000 χ^2/NDF: 3635737.1/72

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: -0.824+/-0.000 χ^2/NDF:74977943.9/17

Left: -0.828+/-0.000 χ^2/NDF: 173743459.8/36

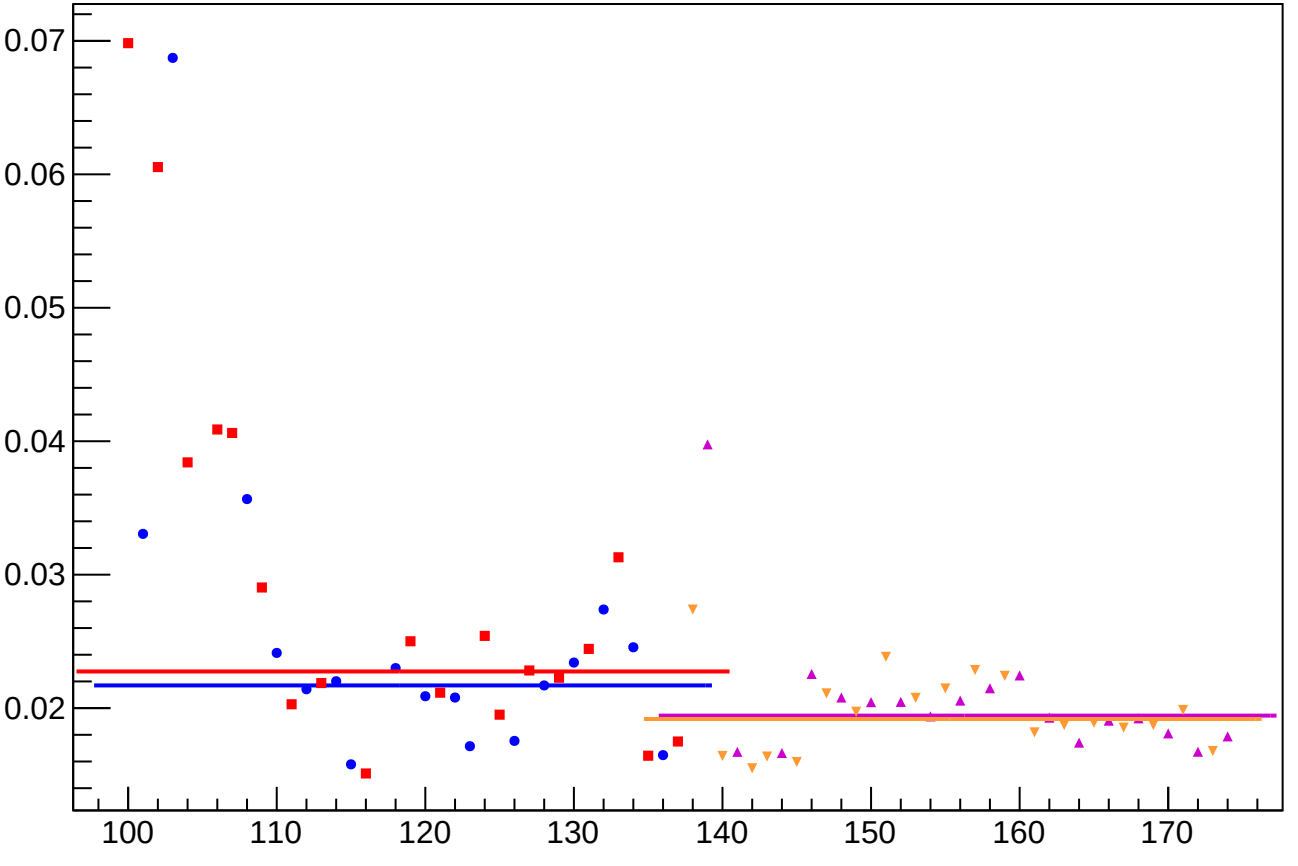
Right: -1.026+/-0.000 χ^2/NDF: 921337924.7/35

In: -0.874+/-0.000 χ^2/NDF:735821818.5/34

Out: -0.885+/-0.000 χ^2/NDF:965994069.7/37

All: -0.879+/-0.000 χ^2/NDF: 1704439912.9/7

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: 0.019+/-0.000 χ^2/NDF:580836.2/17

Left: 0.019+/-0.000 χ^2/NDF: 1005361.0/36

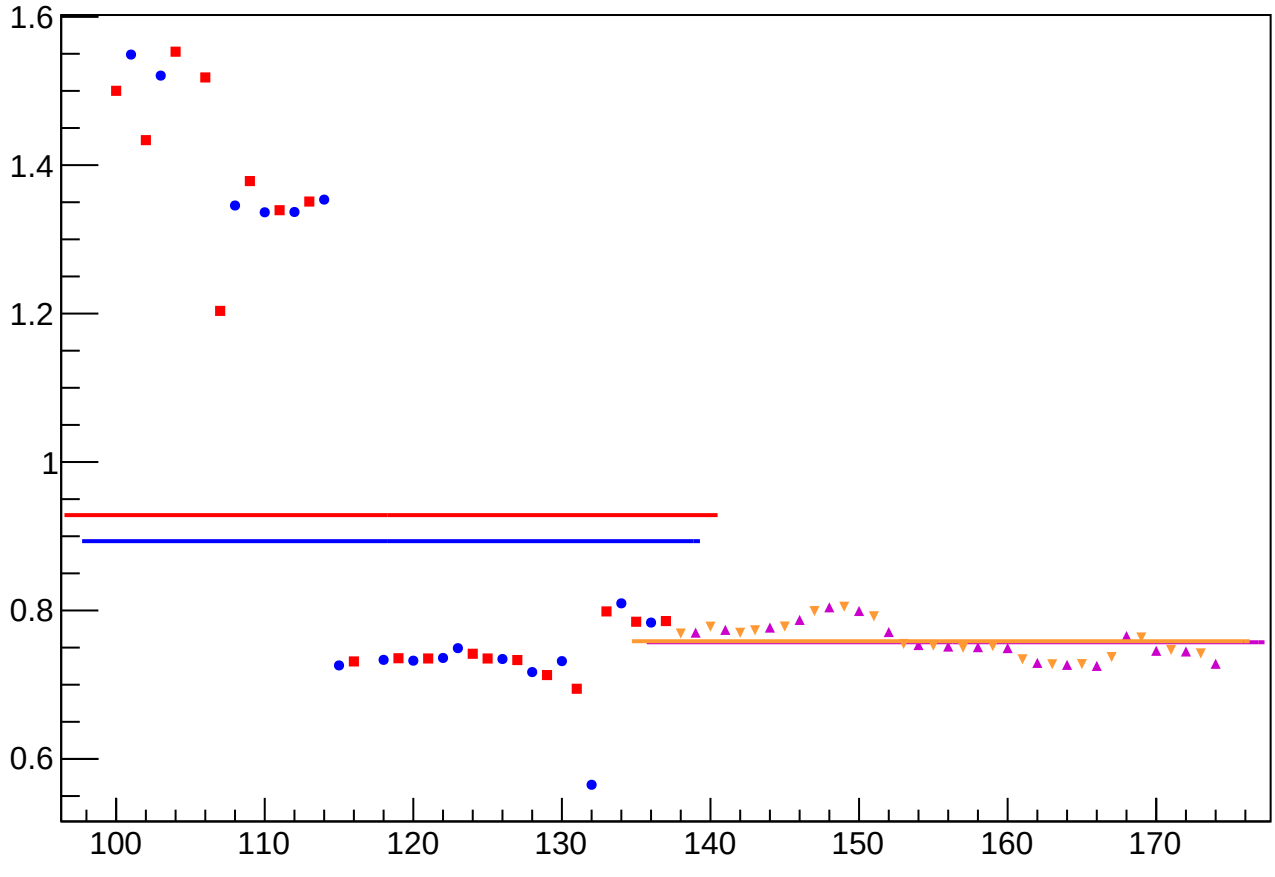
Right: 0.022+/-0.000 χ^2/NDF: 2143091.8/35

In: 0.020+/-0.000 χ^2/NDF:1640660.9/34

Out: 0.020+/-0.000 χ^2/NDF:1770203.7/37

All: 0.020+/-0.000 χ^2/NDF: 3410925.5/72

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893+/-0.000 χ^2/NDF: 2408017556.1/16

Left Out: 0.759+/-0.000 χ^2/NDF:39011041.2/18

Right Out: 0.928+/-0.000 χ^2/NDF: 2435640156.0/18

Left In: 0.757+/-0.000 χ^2/NDF:39986122.0/17

Left: 0.758+/-0.000 χ^2/NDF: 79081875.4/36

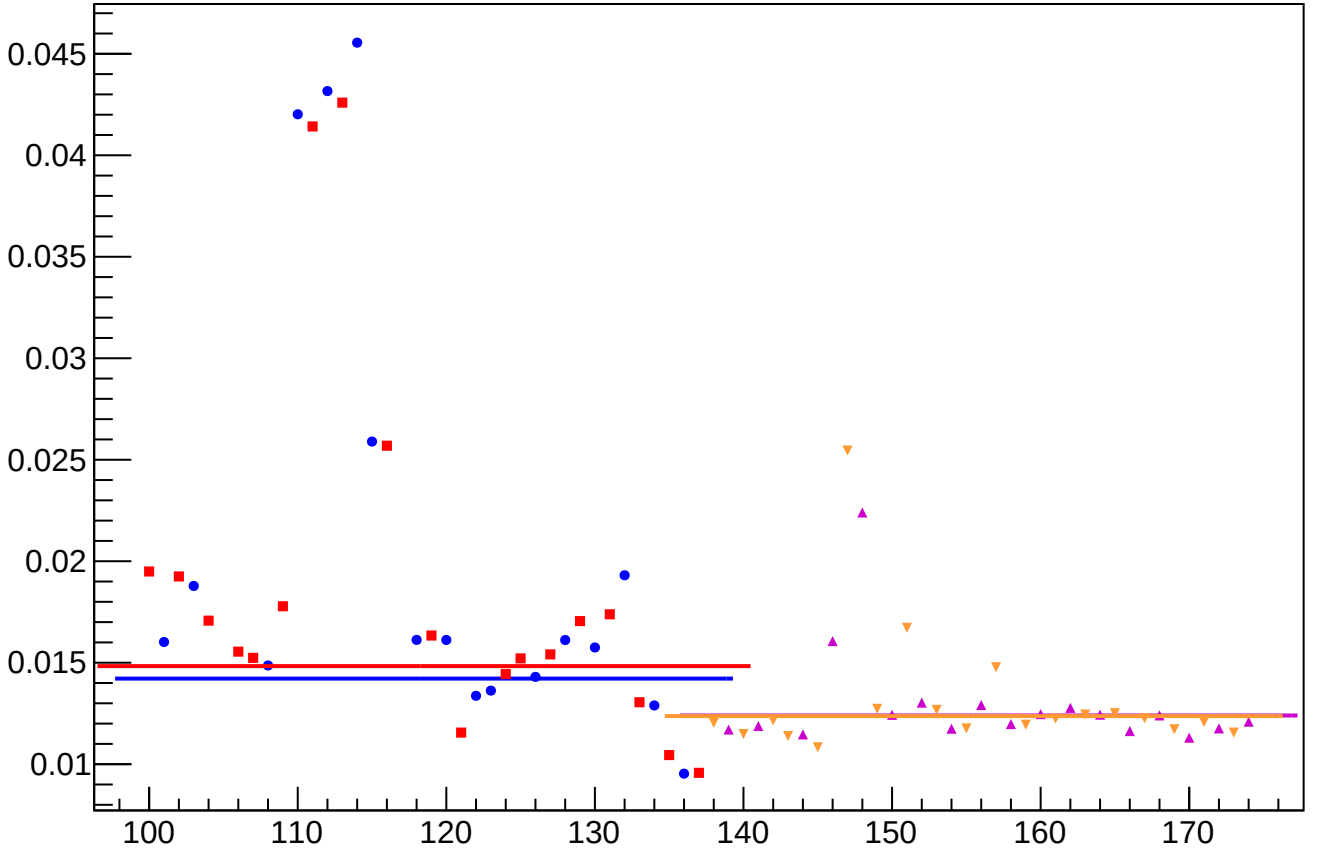
Right: 0.911+/-0.000 χ^2/NDF: 4860512064.2/35

In: 0.790+/-0.000 χ^2/NDF:2837883775.9/34

Out: 0.798+/-0.000 χ^2/NDF:3075070604.9/37

All: 0.794+/-0.000 χ^2/NDF: 5917282030.2/72

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1409594.2/16

Left Out: 0.012+/-0.000 χ^2/NDF:600077.1/18

Right Out: 0.015+/-0.000 χ^2/NDF: 1269559.2/18

Left In: 0.012+/-0.000 χ^2/NDF:436896.4/17

Left: 0.012+/-0.000 χ^2/NDF: 1037051.0/36

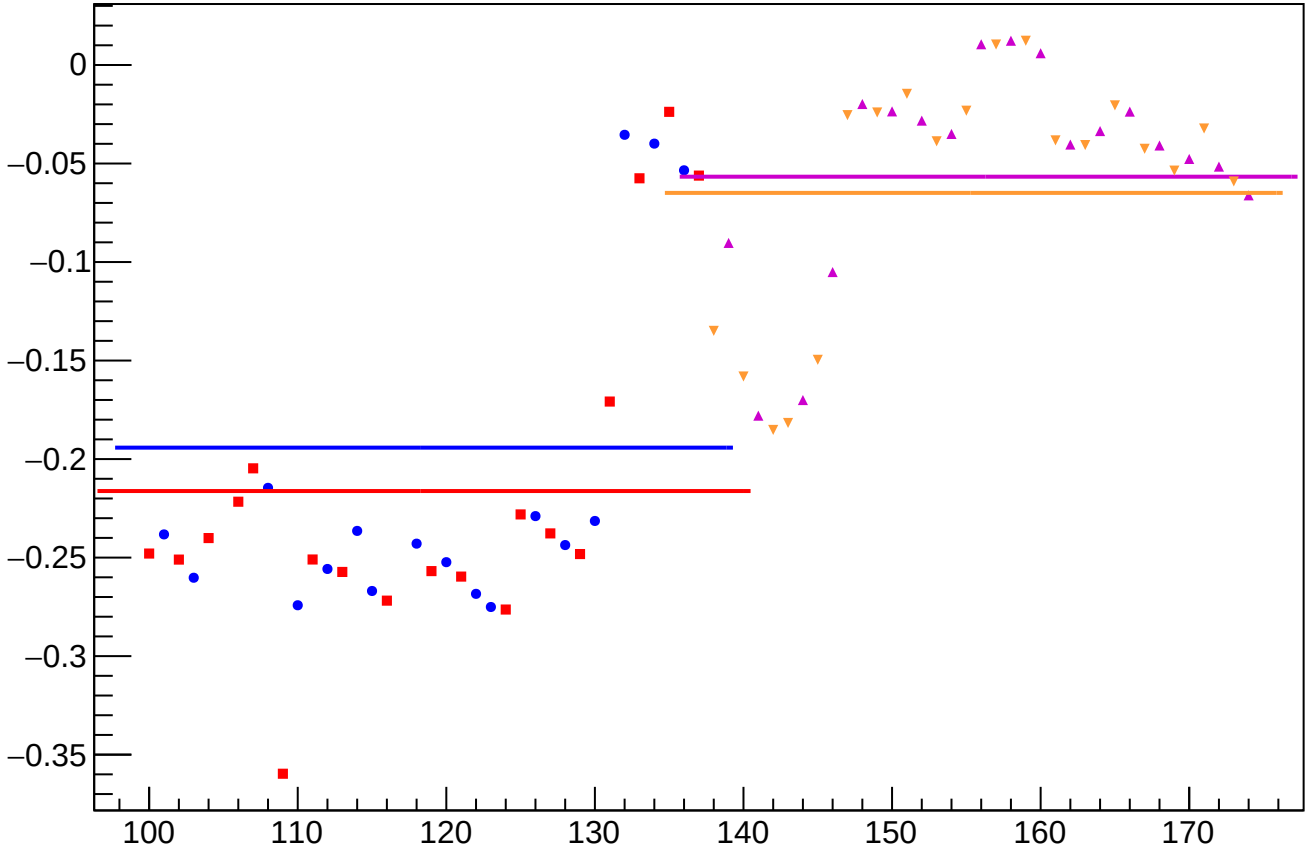
Right: 0.015+/-0.000 χ^2/NDF: 2689500.8/35

In: 0.013+/-0.000 χ^2/NDF:1985352.1/34

Out: 0.013+/-0.000 χ^2/NDF:2121767.9/37

All: 0.013+/-0.000 χ^2/NDF: 4108597.1/72

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: -0.057+/-0.000 χ^2/NDF:97732020.6/17

Left: -0.061+/-0.000 χ^2/NDF: 216051836.7/36

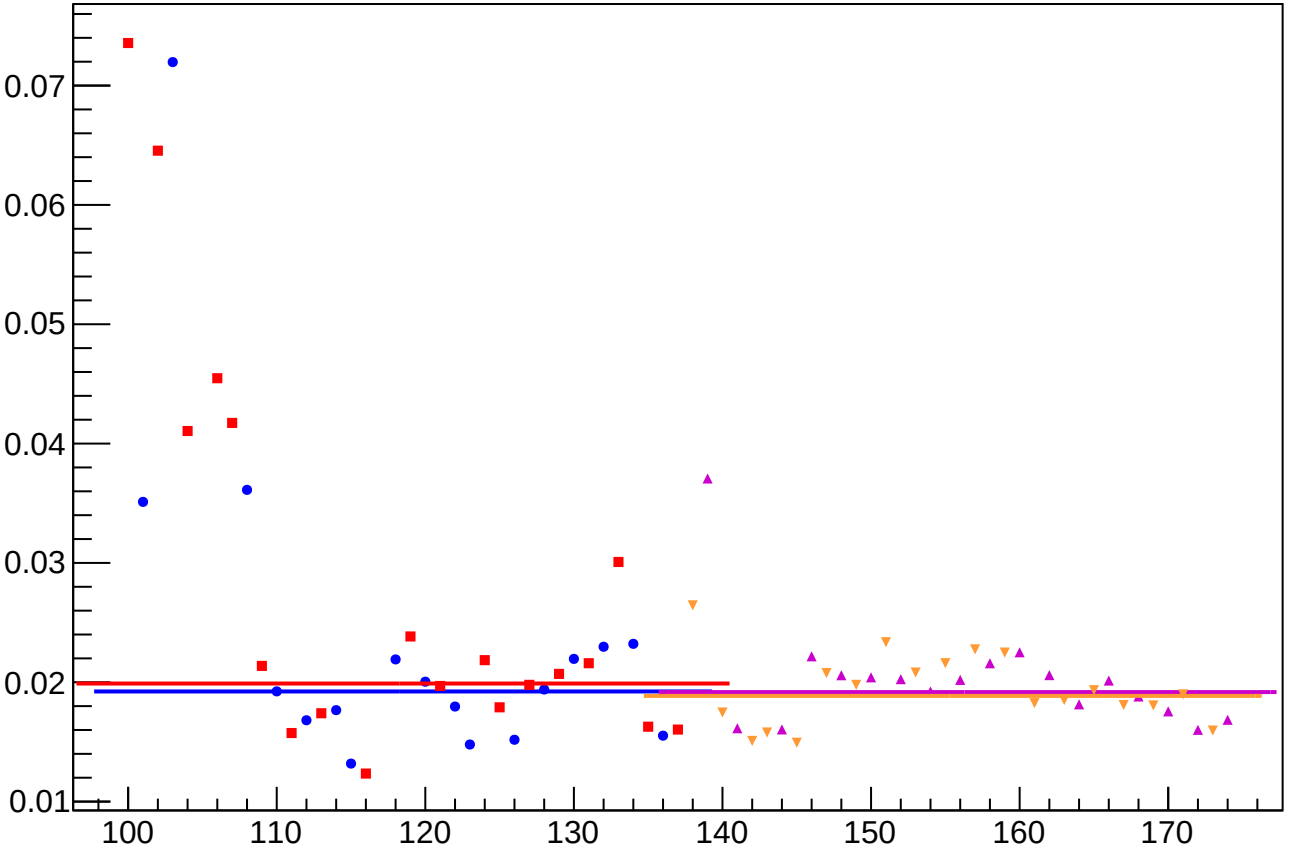
Right: -0.205+/-0.000 χ^2/NDF: 222671892.3/35

In: -0.098+/-0.000 χ^2/NDF:382547664.0/34

Out: -0.109+/-0.000 χ^2/NDF:440966710.0/37

All: -0.104+/-0.000 χ^2/NDF: 825848918.1/72

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:607300.8/17

Left: 0.019+/-0.000 χ^2/NDF: 1083750.9/36

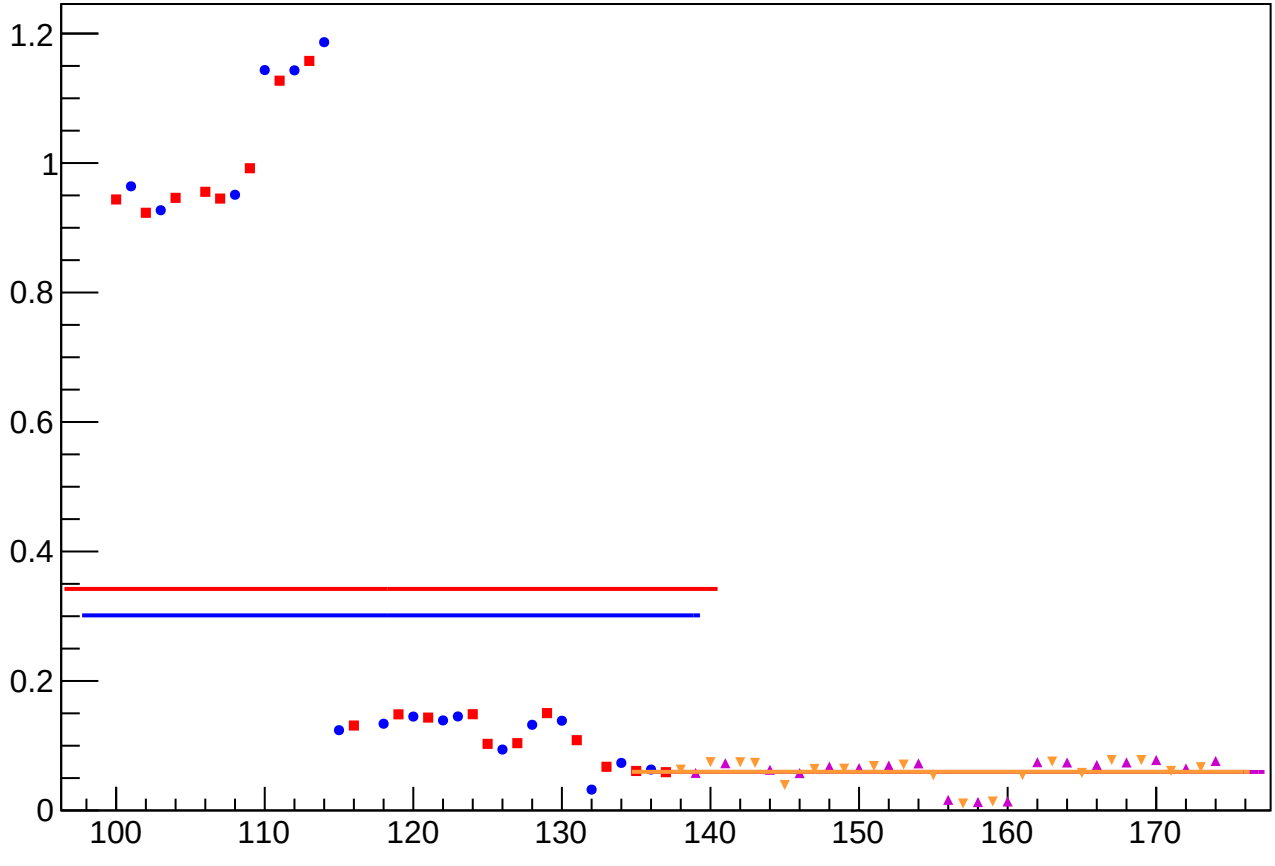
Right: 0.020+/-0.000 χ^2/NDF: 2624881.7/35

In: 0.019+/-0.000 χ^2/NDF:1781930.7/34

Out: 0.019+/-0.000 χ^2/NDF:1937704.7/37

All: 0.019+/-0.000 χ^2/NDF: 3719690.3/72

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: 0.059+/-0.000 χ^2/NDF:57303043.9/17

Left: 0.060+/-0.000 χ^2/NDF: 101232952.4/36

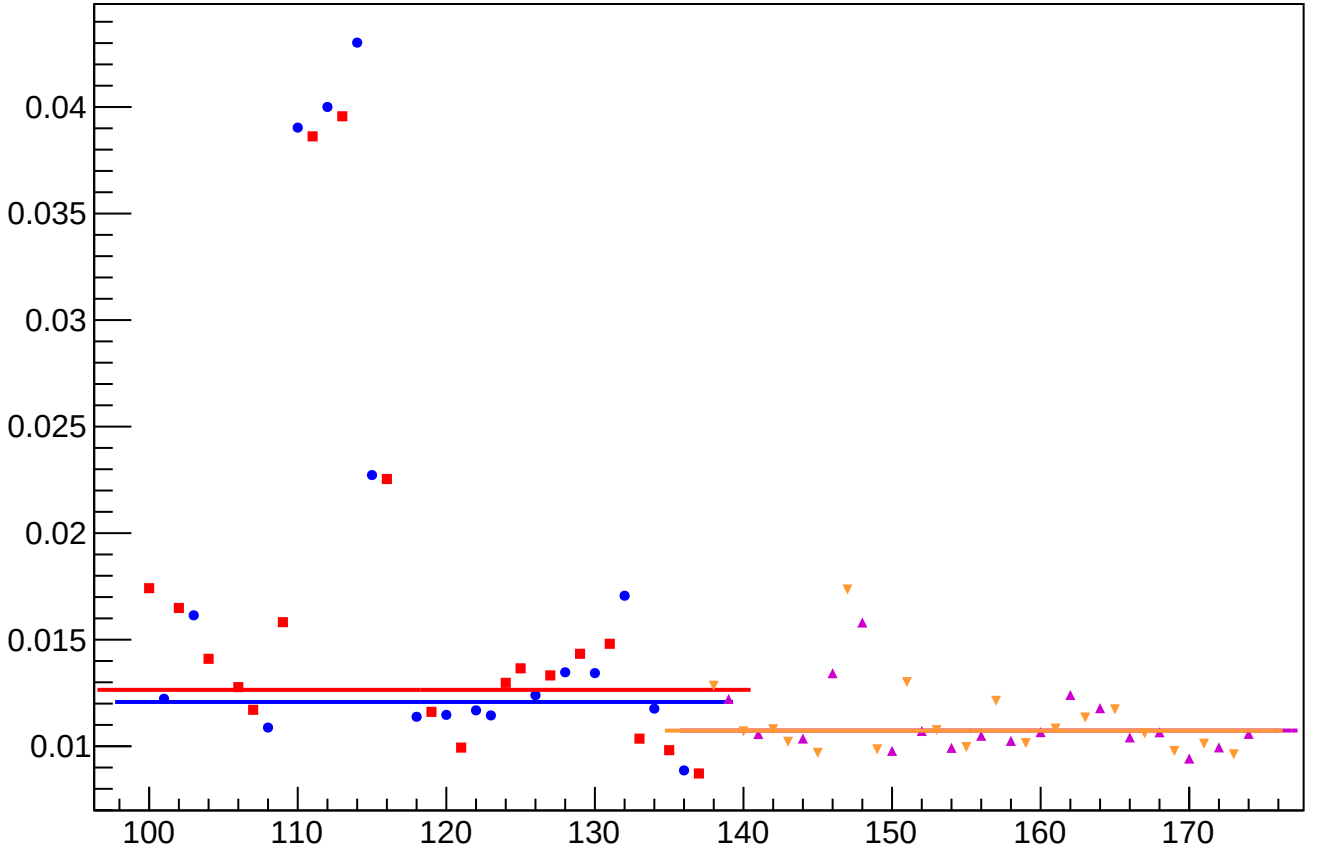
Right: 0.321+/-0.000 χ^2/NDF: 10628899850.1/35

In: 0.120+/-0.000 χ^2/NDF:6900870614.1/34

Out: 0.127+/-0.000 χ^2/NDF:7722979206.5/37

All: 0.123+/-0.000 χ^2/NDF: 14628037131.4/7

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1280342.2/16

Left Out: 0.011+/-0.000 χ^2/NDF:421492.2/18

Right Out: 0.013+/-0.000 χ^2/NDF: 1236084.9/18

Left In: 0.011+/-0.000 χ^2/NDF:349483.0/17

Left: 0.011+/-0.000 χ^2/NDF: 770976.9/36

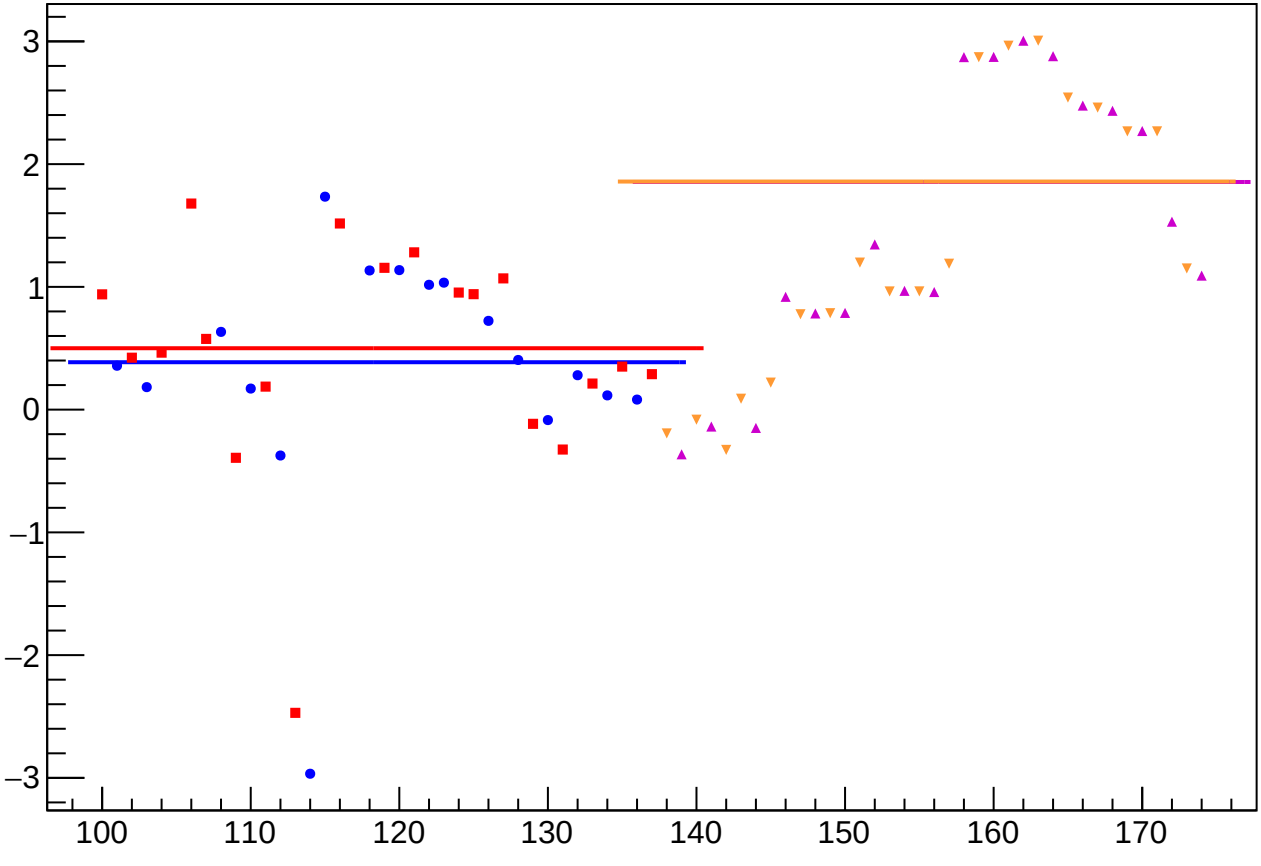
Right: 0.012+/-0.000 χ^2/NDF: 2528646.1/35

In: 0.011+/-0.000 χ^2/NDF:1733610.6/34

Out: 0.011+/-0.000 χ^2/NDF:1863014.8/37

All: 0.011+/-0.000 χ^2/NDF: 3598807.4/72

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: 1.854+/-0.000 χ^2/NDF:30373656331.2/17

Left: 1.856+/-0.000 χ^2/NDF: 59095131060.3/36

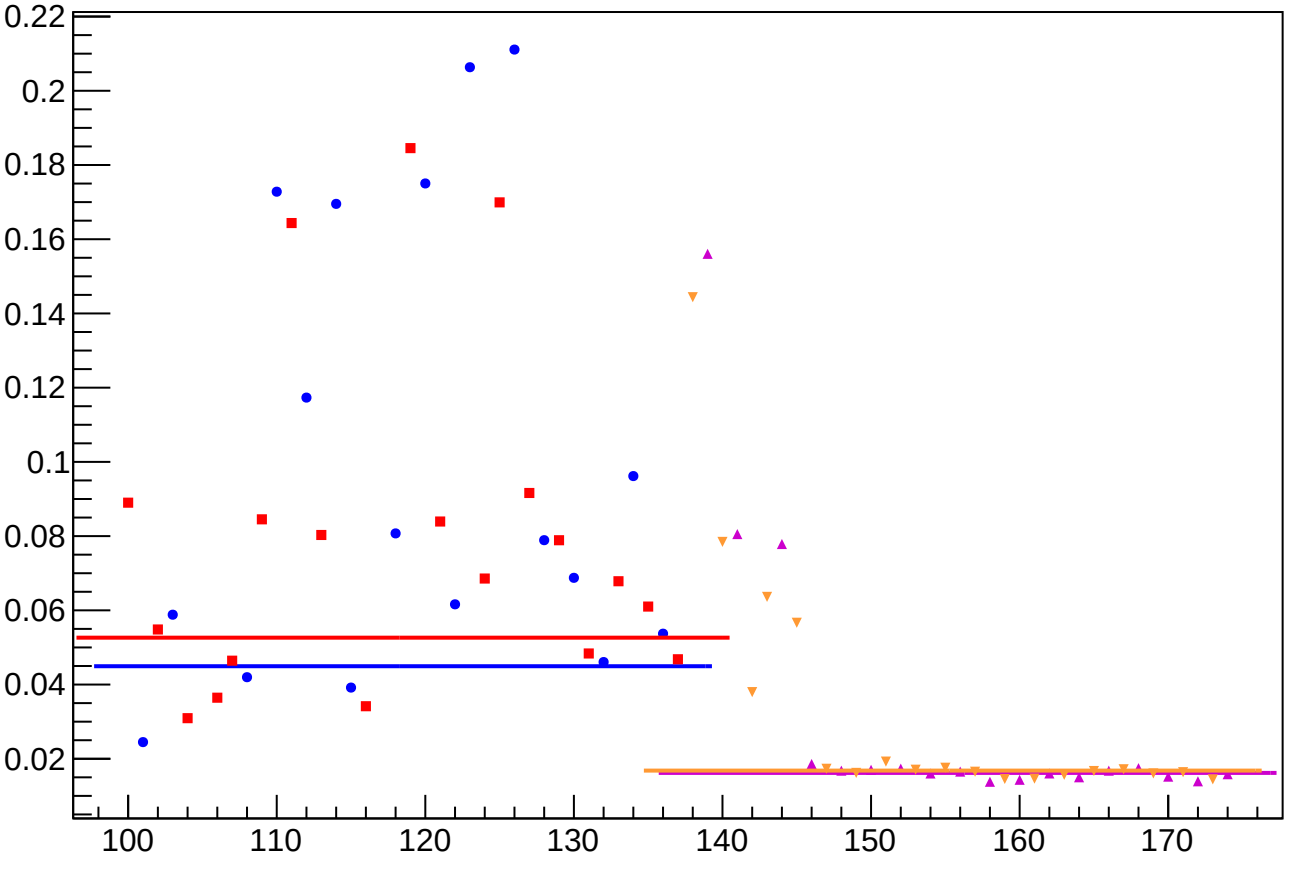
Right: 0.439+/-0.000 χ^2/NDF: 1240216918.3/35

In: 1.793+/-0.000 χ^2/NDF:34228749533.9/34

Out: 1.805+/-0.000 χ^2/NDF:32341823789.3/37

All: 1.799+/-0.000 χ^2/NDF: 66573598521.9/7

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.045+/-0.000 χ^2/NDF: 2788348.6/16

Left Out: 0.017+/-0.000 χ^2/NDF:2778044.0/18

Right Out: 0.053+/-0.000 χ^2/NDF: 2191752.0/18

Left In: 0.016+/-0.000 χ^2/NDF:2450729.2/17

Left: 0.016+/-0.000 χ^2/NDF: 5243474.1/36

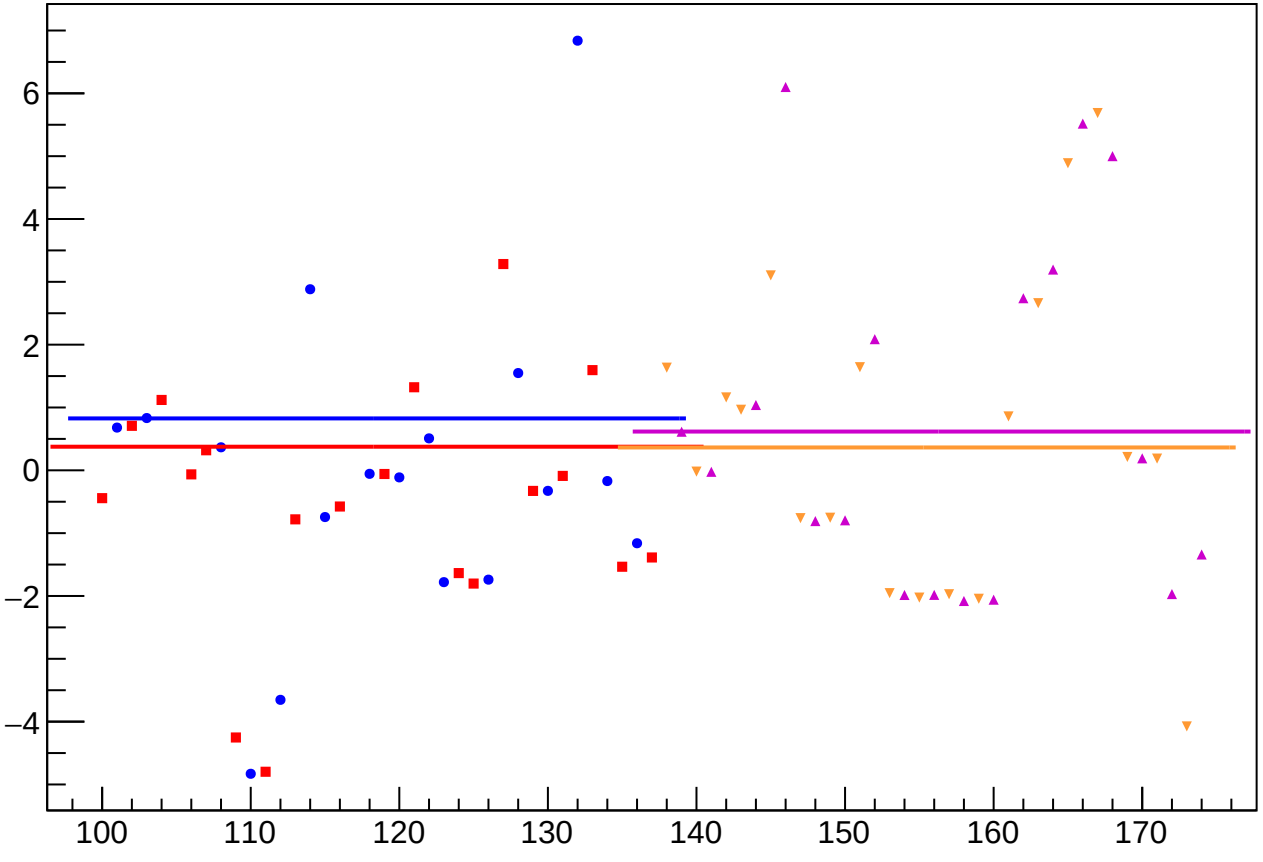
Right: 0.048+/-0.000 χ^2/NDF: 5075265.3/35

In: 0.017+/-0.000 χ^2/NDF:8005381.9/34

Out: 0.018+/-0.000 χ^2/NDF:8639796.9/37

All: 0.018+/-0.000 χ^2/NDF: 16671342.1/72

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826+/-0.000 χ^2/NDF: 10945455664.9/16

Left Out: 0.364+/-0.000 χ^2/NDF:466601354169.4/18

Right Out: 0.376+/-0.000 χ^2/NDF: 4947158634.2/18

Left In: 0.617+/-0.000 χ^2/NDF:543734994667.0/17

Left: 0.496+/-0.000 χ^2/NDF: 1012329883008.7/36

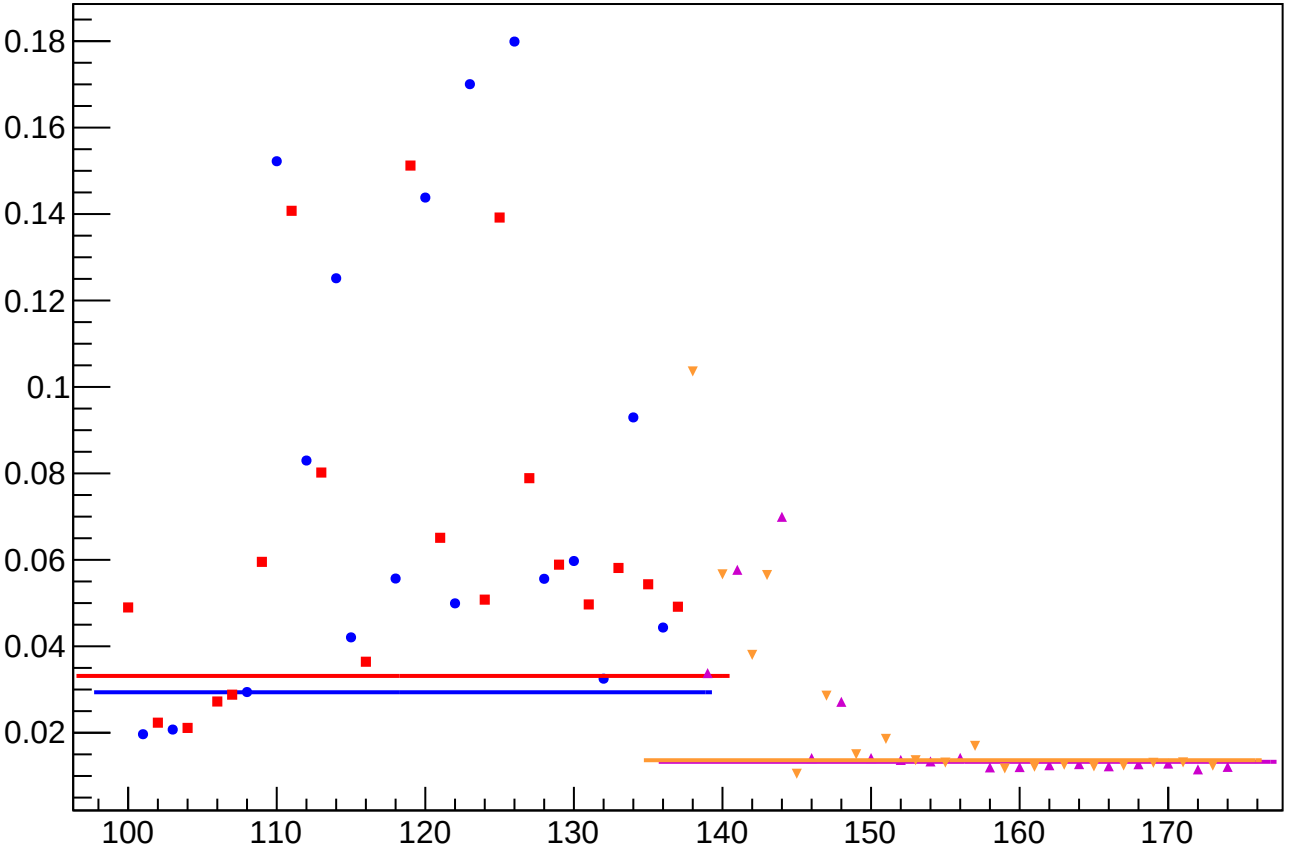
Right: 0.614+/-0.000 χ^2/NDF: 16267855103.5/35

In: 0.629+/-0.000 χ^2/NDF:554842793861.2/34

Out: 0.364+/-0.000 χ^2/NDF:471548984744.3/37

All: 0.502+/-0.000 χ^2/NDF: 1028696339063.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.029+/-0.000 χ^2/NDF: 2987169.5/16

Left Out: 0.014+/-0.000 χ^2/NDF:2861006.1/18

Right Out: 0.033+/-0.000 χ^2/NDF: 3099105.0/18

Left In: 0.013+/-0.000 χ^2/NDF:1949020.4/17

Left: 0.013+/-0.000 χ^2/NDF: 4818294.5/36

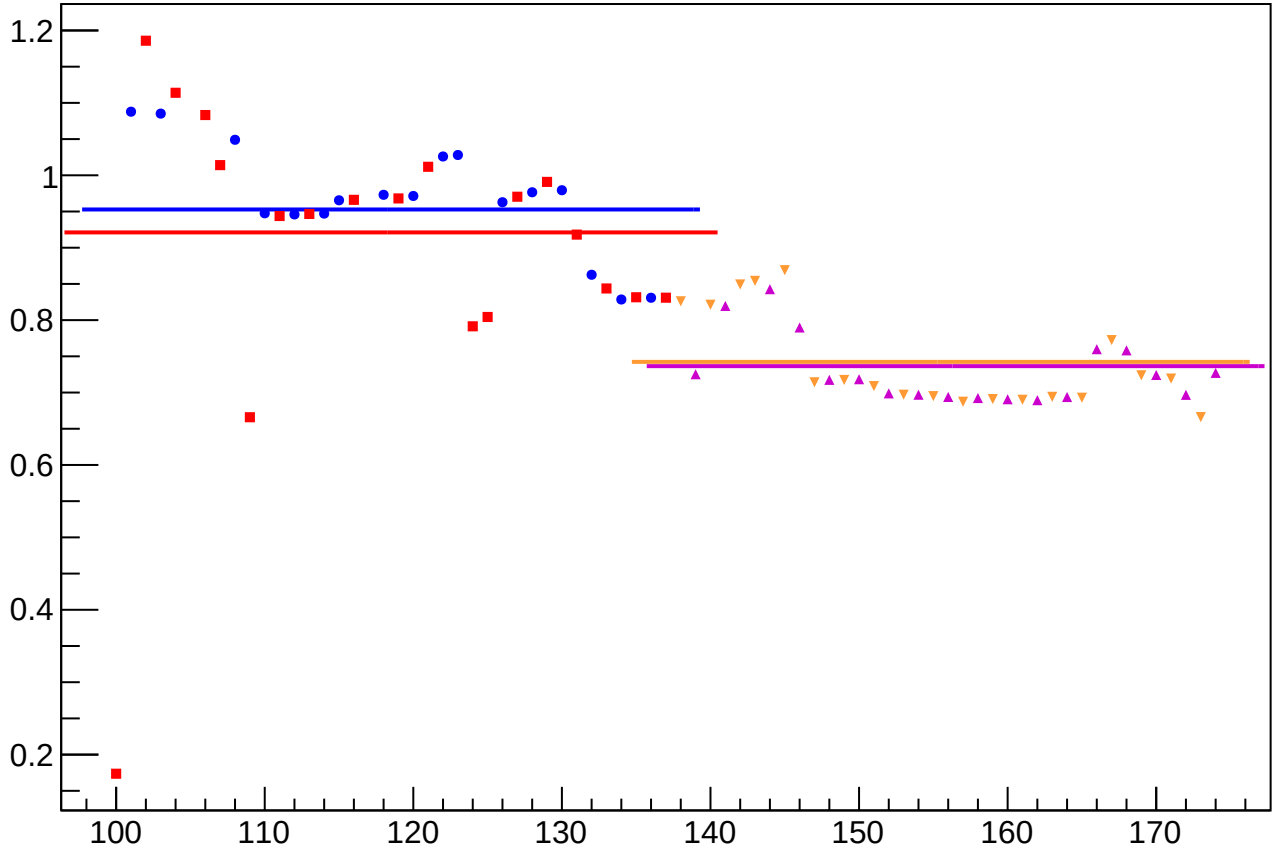
Right: 0.031+/-0.000 χ^2/NDF: 6139085.6/35

In: 0.014+/-0.000 χ^2/NDF:6856542.7/34

Out: 0.015+/-0.000 χ^2/NDF:8470688.6/37

All: 0.014+/-0.000 χ^2/NDF: 15345318.7/72

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: 0.736+/-0.000 χ^2/NDF:164786858.5/17

Left: 0.739+/-0.000 χ^2/NDF: 455654429.4/36

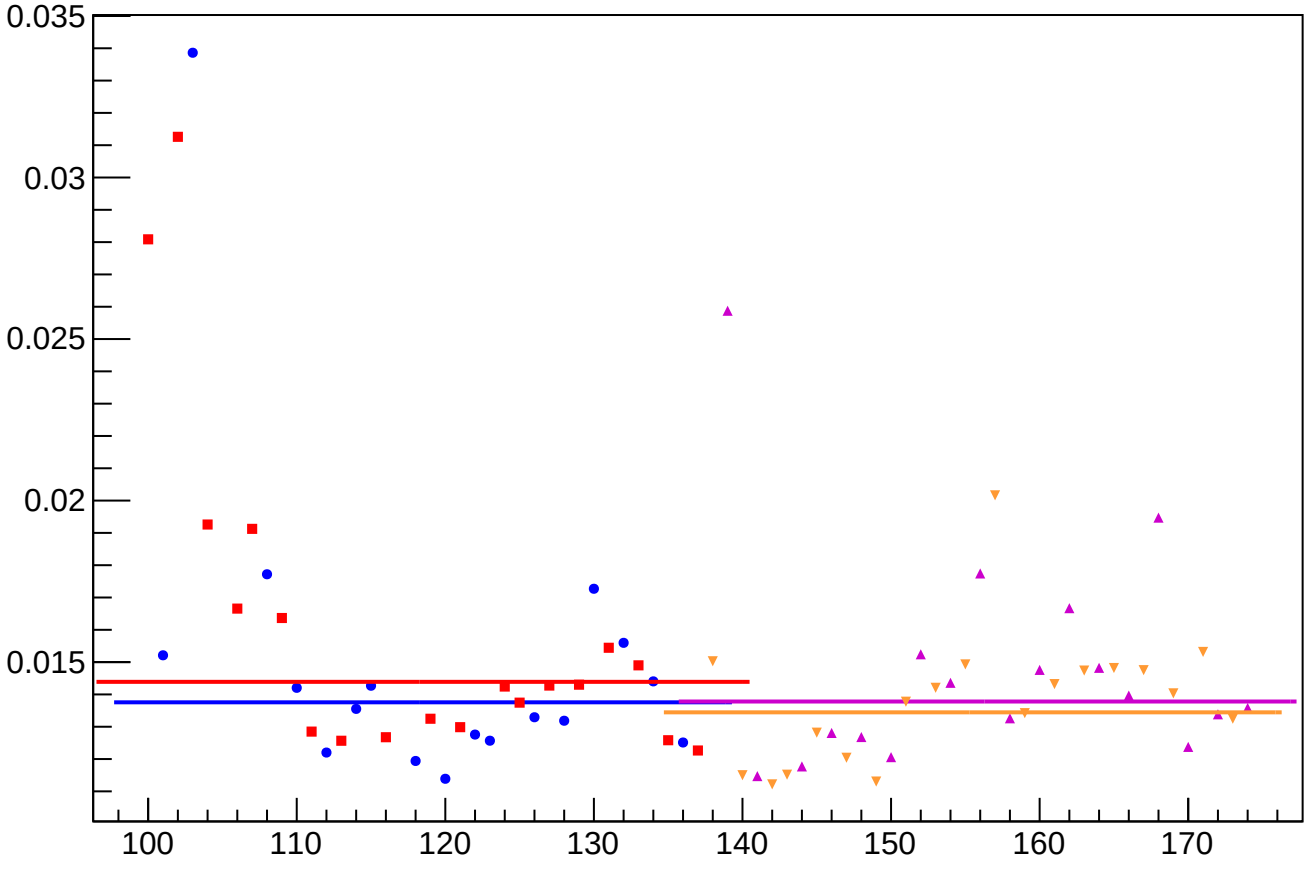
Right: 0.937+/-0.000 χ^2/NDF: 564889848.1/35

In: 0.805+/-0.000 χ^2/NDF:1312649861.7/34

Out: 0.796+/-0.000 χ^2/NDF:1320947727.8/37

All: 0.800+/-0.000 χ^2/NDF: 2637713767.3/72

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:752439.2/17

Left: 0.014+/-0.000 χ^2/NDF: 1156337.1/36

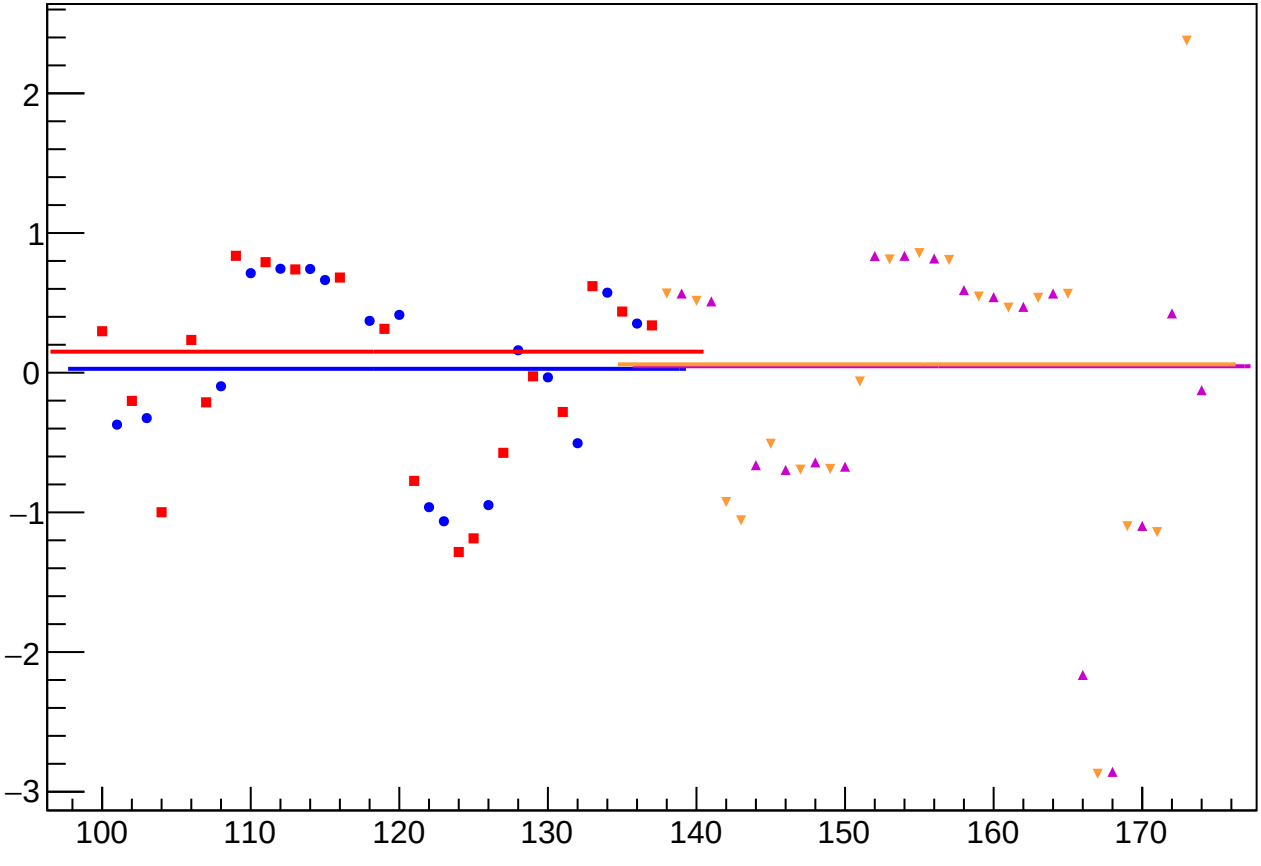
Right: 0.014+/-0.000 χ^2/NDF: 1054284.2/35

In: 0.014+/-0.000 χ^2/NDF:1290934.3/34

Out: 0.014+/-0.000 χ^2/NDF:936838.0/37

All: 0.014+/-0.000 χ^2/NDF: 2227965.5/72

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.000 χ^2/NDF: 6276955529.7/16

Left Out: 0.060+/-0.000 χ^2/NDF:94547773350.2/18

Right Out: 0.151+/-0.000 χ^2/NDF: 12653743155.9/18

Left In: 0.046+/-0.000 χ^2/NDF:78822005324.8/17

Left: 0.053+/-0.000 χ^2/NDF: 173377981775.3/36

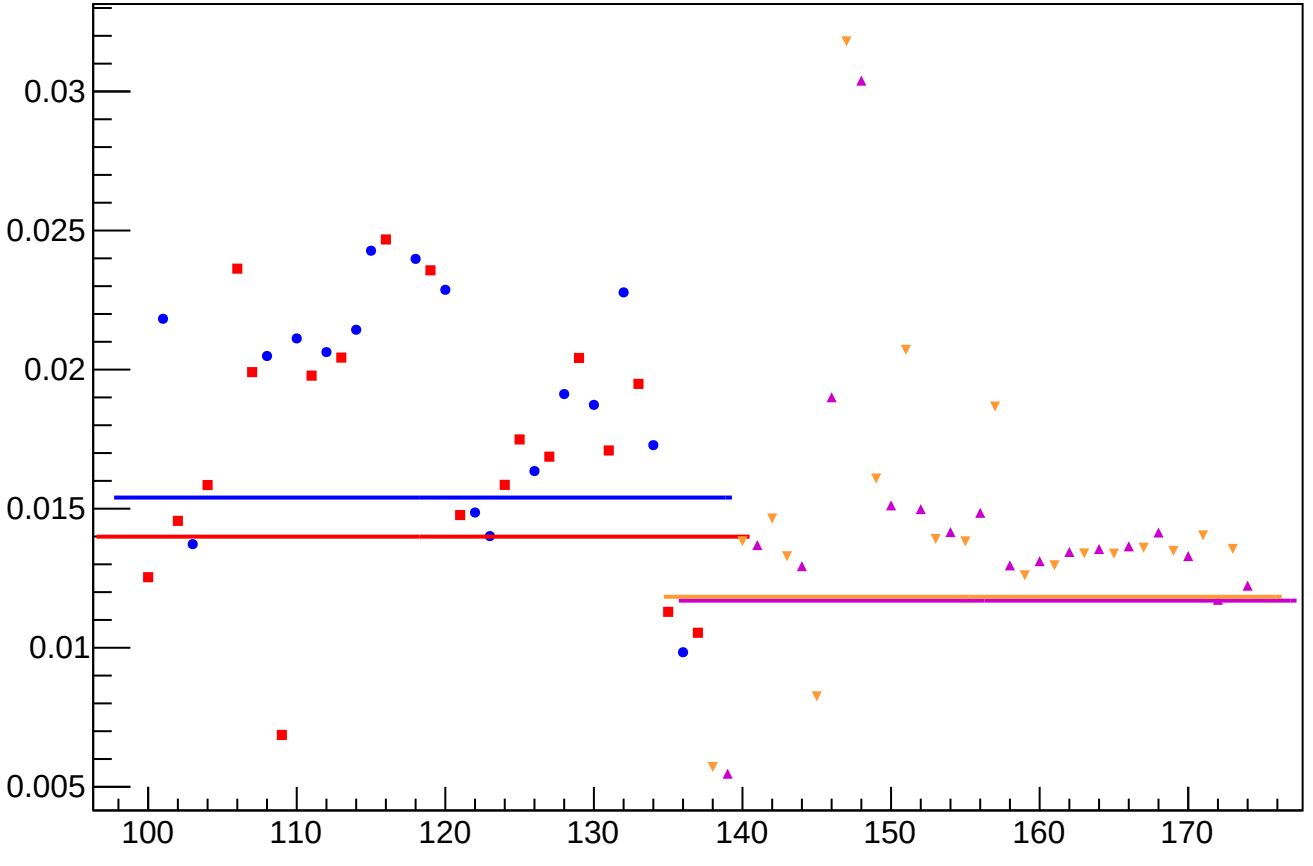
Right: 0.095+/-0.000 χ^2/NDF: 19125643372.9/35

In: 0.042+/-0.000 χ^2/NDF:85105126905.1/34

Out: 0.083+/-0.000 χ^2/NDF:107377931771.1/37

All: 0.063+/-0.000 χ^2/NDF: 192574806890.4

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:3036221.0/17

Left: 0.012+/-0.000 χ^2/NDF: 6079480.6/36

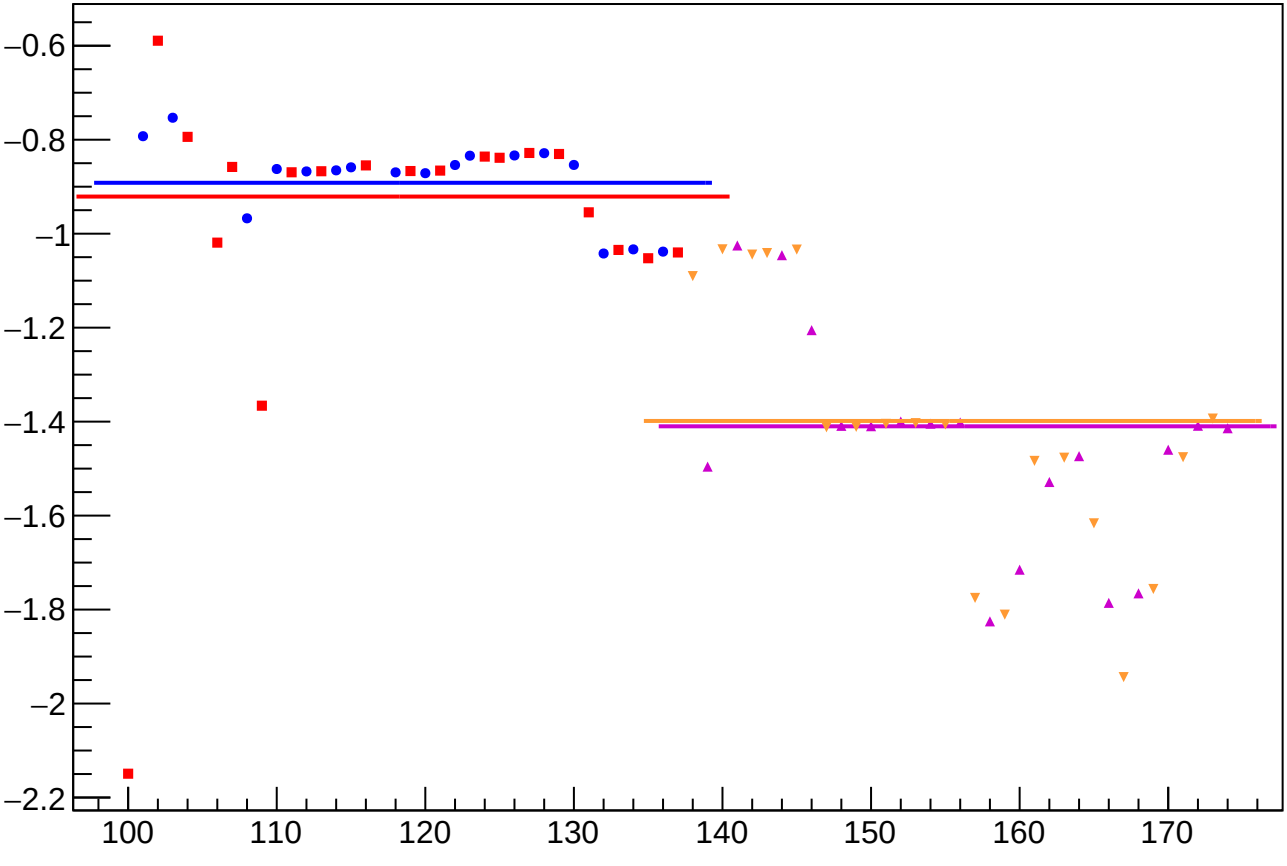
Right: 0.015+/-0.000 χ^2/NDF: 2754233.9/35

In: 0.012+/-0.000 χ^2/NDF:4687918.8/34

Out: 0.012+/-0.000 χ^2/NDF:4803127.8/37

All: 0.012+/-0.000 χ^2/NDF: 9492426.8/72

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892+/-0.000 χ^2/NDF: 39793337.2/16

Left Out: -1.399+/-0.000 χ^2/NDF:714306325.2/18

Right Out: -0.921+/-0.000 χ^2/NDF: 131159330.1/18

Left In: -1.410+/-0.000 χ^2/NDF:511161420.2/17

Left: -1.404+/-0.000 χ^2/NDF: 1226121760.1/36

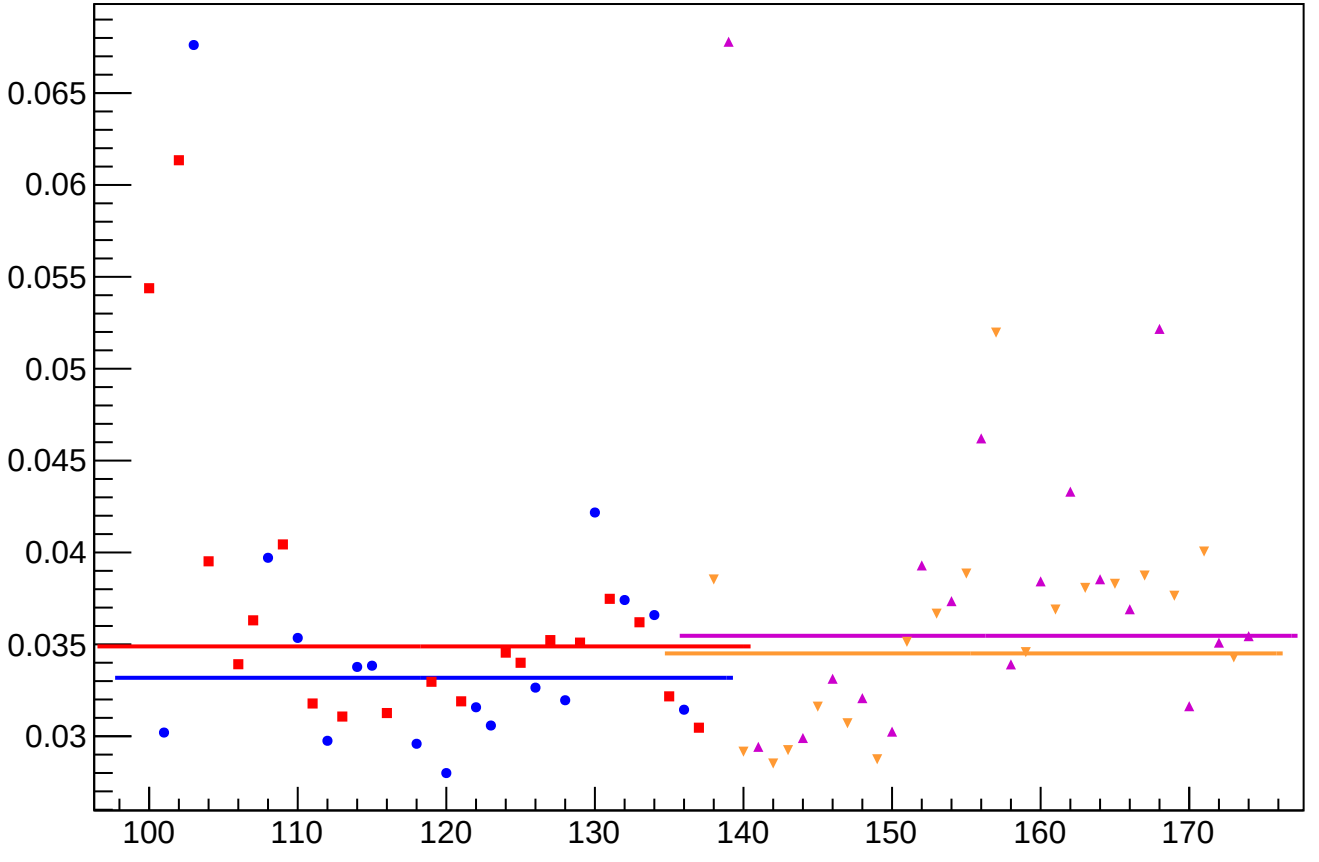
Right: -0.906+/-0.000 χ^2/NDF: 173170801.3/35

In: -1.228+/-0.000 χ^2/NDF:1471921148.9/34

Out: -1.242+/-0.000 χ^2/NDF:1619028090.0/37

All: -1.235+/-0.000 χ^2/NDF: 3092321856.8/7

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:836052.2/17

Left: 0.035+/-0.000 χ^2/NDF: 1297187.8/36

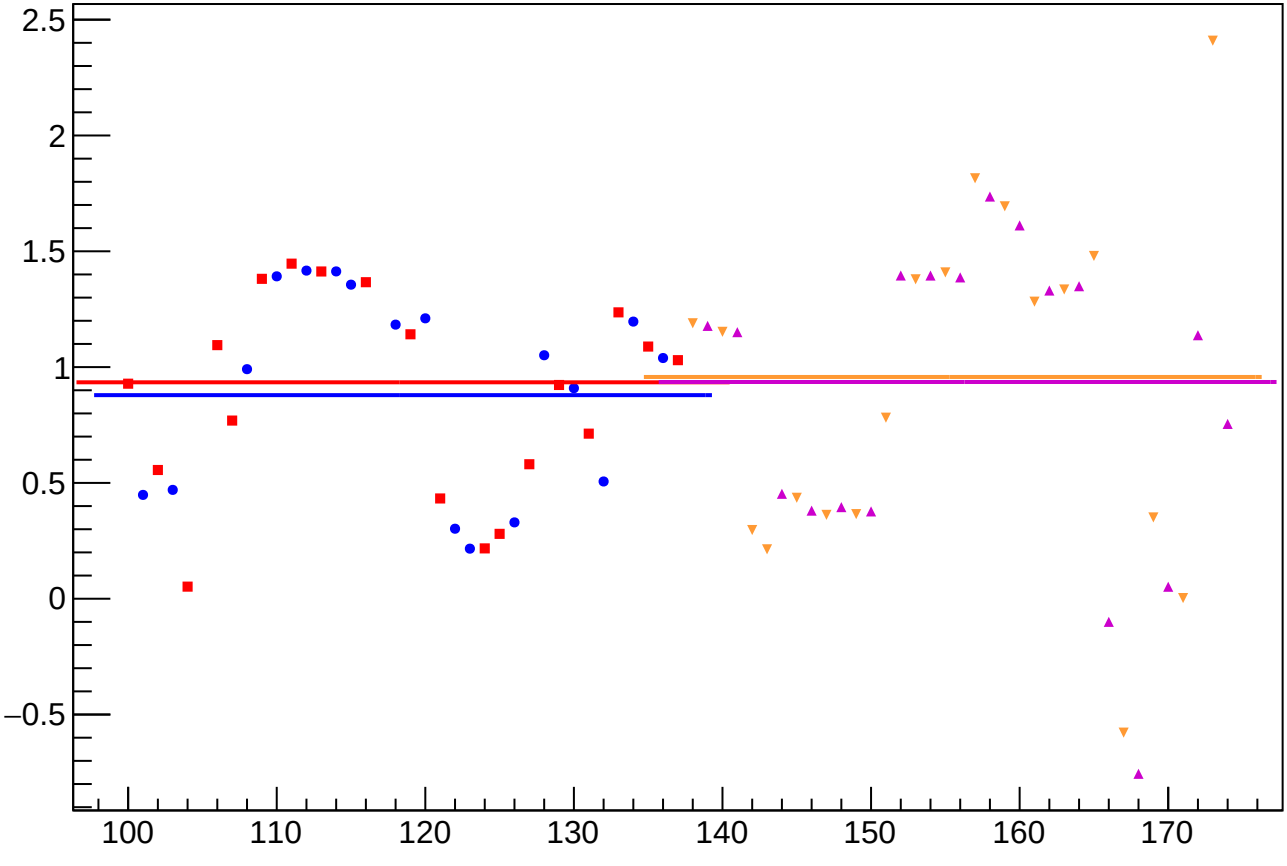
Right: 0.034+/-0.000 χ^2/NDF: 690186.6/35

In: 0.035+/-0.000 χ^2/NDF:1271982.4/34

Out: 0.035+/-0.000 χ^2/NDF:727901.4/37

All: 0.035+/-0.000 χ^2/NDF: 1999899.5/72

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879+/-0.000 χ^2/NDF: 6371602566.2/16

Left Out: 0.957+/-0.000 χ^2/NDF:81852952407.8/18

Right Out: 0.934+/-0.000 χ^2/NDF: 9827120184.9/18

Left In: 0.936+/-0.000 χ^2/NDF:65835490637.6/17

Left: 0.946+/-0.000 χ^2/NDF: 147727621458.9/36

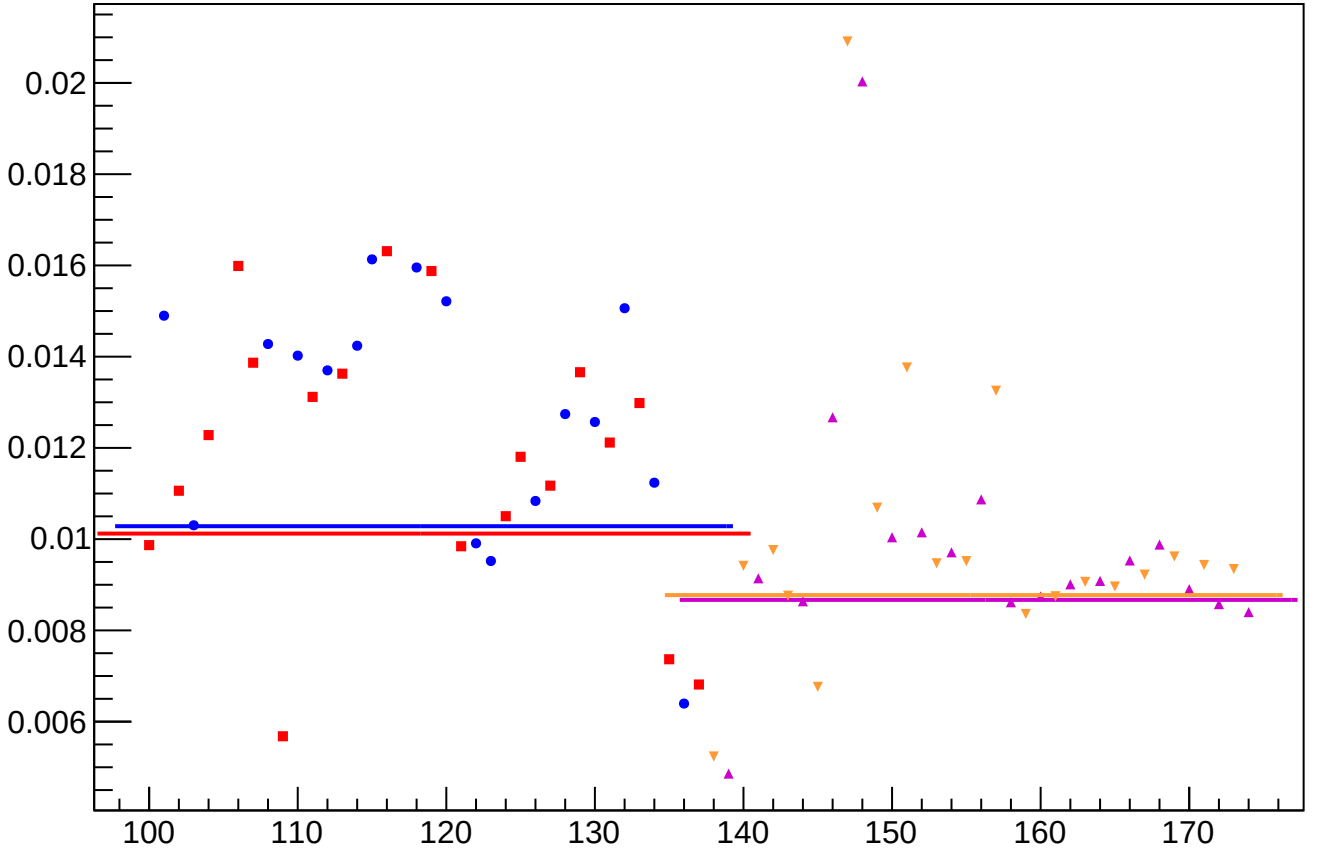
Right: 0.908+/-0.000 χ^2/NDF: 16282606826.3/35

In: 0.922+/-0.000 χ^2/NDF:72335986648.0/34

Out: 0.952+/-0.000 χ^2/NDF:91702548989.9/37

All: 0.937+/-0.000 χ^2/NDF: 164133768651.9

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1207460.1/16

Left Out: 0.009+/-0.000 χ^2/NDF:1694462.6/18

Right Out: 0.010+/-0.000 χ^2/NDF: 1176642.1/18

Left In: 0.009+/-0.000 χ^2/NDF:1655729.2/17

Left: 0.009+/-0.000 χ^2/NDF: 3352047.4/36

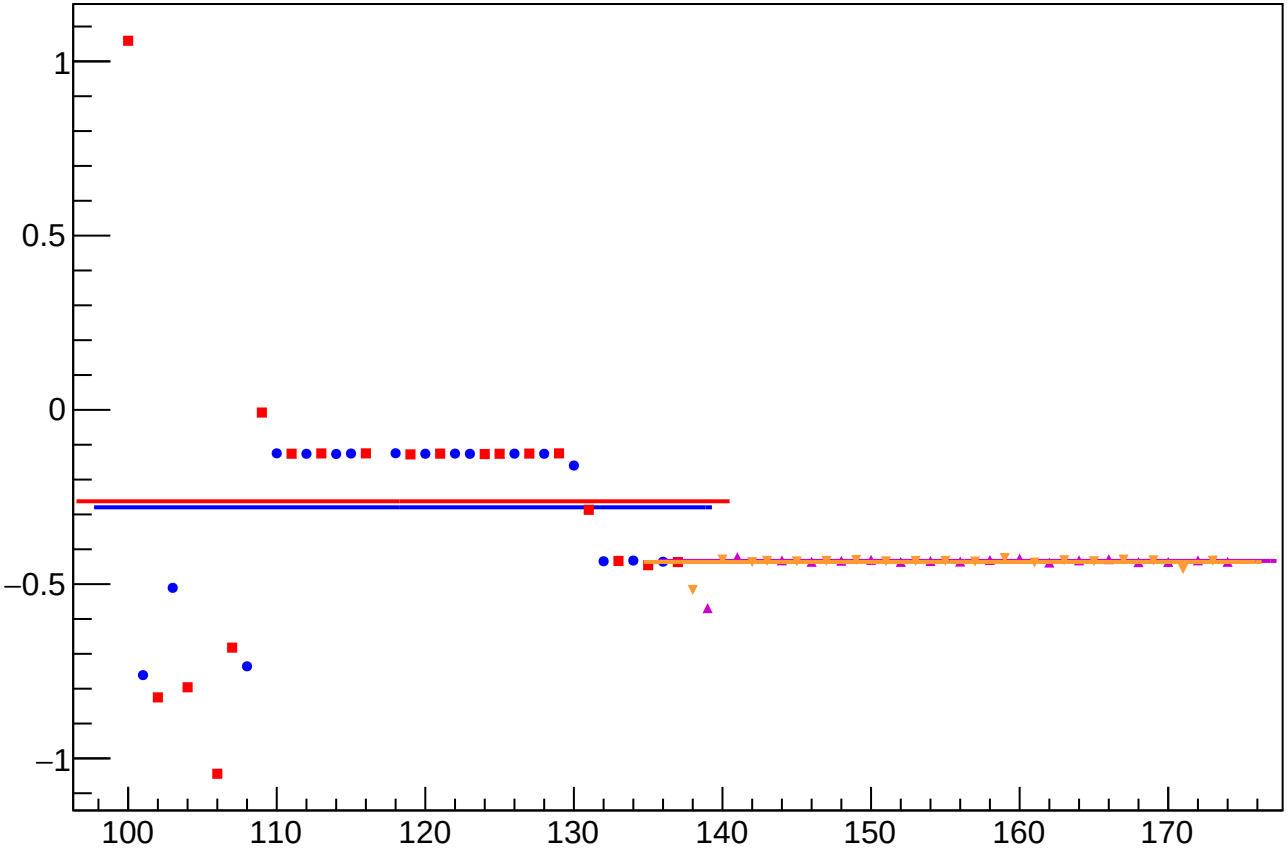
Right: 0.010+/-0.000 χ^2/NDF: 2385530.8/35

In: 0.009+/-0.000 χ^2/NDF:3072016.7/34

Out: 0.009+/-0.000 χ^2/NDF:3025170.1/37

All: 0.009+/-0.000 χ^2/NDF: 6098122.3/72

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:19862695.5/17

Left: -0.435+/-0.000 χ^2/NDF: 49131626.1/36

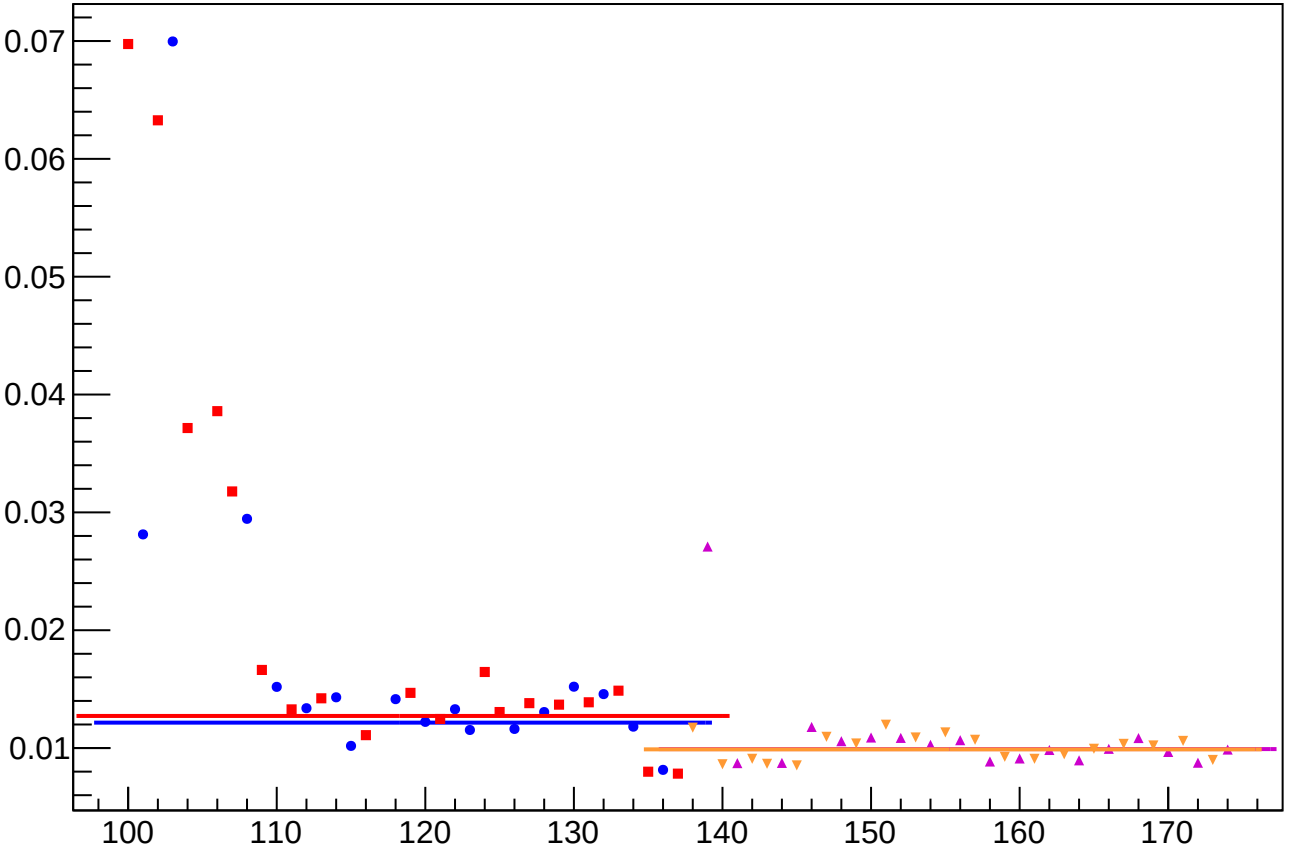
Right: -0.271+/-0.000 χ^2/NDF: 1940066892.0/35

In: -0.401+/-0.000 χ^2/NDF:1538137735.4/34

Out: -0.402+/-0.000 χ^2/NDF:1761820145.7/37

All: -0.402+/-0.000 χ^2/NDF: 3300020690.8/7

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1722777.4/16

Left Out: 0.010+/-0.000 χ^2/NDF:248570.5/18

Right Out: 0.013+/-0.000 χ^2/NDF: 1967397.9/18

Left In: 0.010+/-0.000 χ^2/NDF:763463.9/17

Left: 0.010+/-0.000 χ^2/NDF: 1012098.7/36

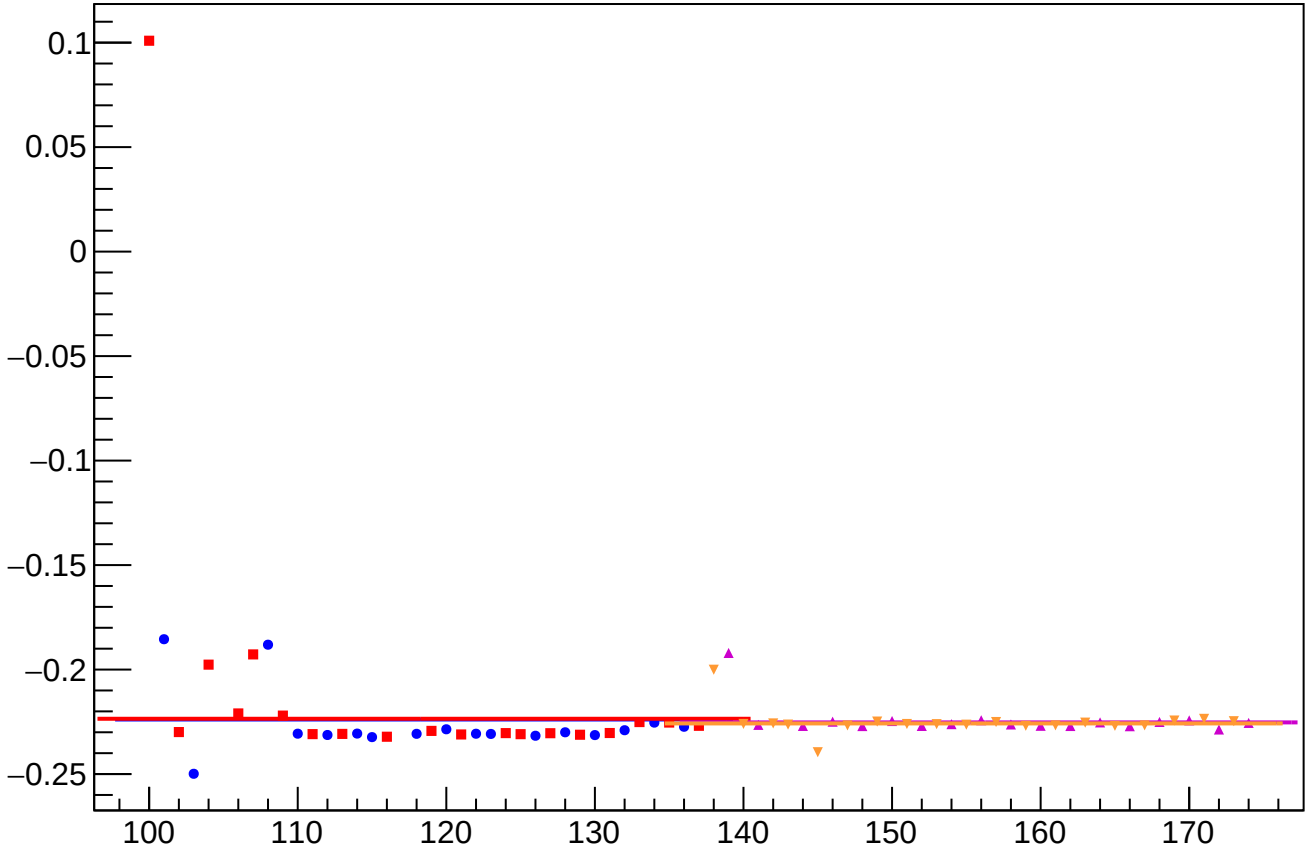
Right: 0.012+/-0.000 χ^2/NDF: 3700041.2/35

In: 0.010+/-0.000 χ^2/NDF:2737010.3/34

Out: 0.010+/-0.000 χ^2/NDF:2601290.3/37

All: 0.010+/-0.000 χ^2/NDF: 5338937.2/72

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:13175148.5/17

Left: -0.226+/-0.000 χ^2/NDF: 34102849.9/36

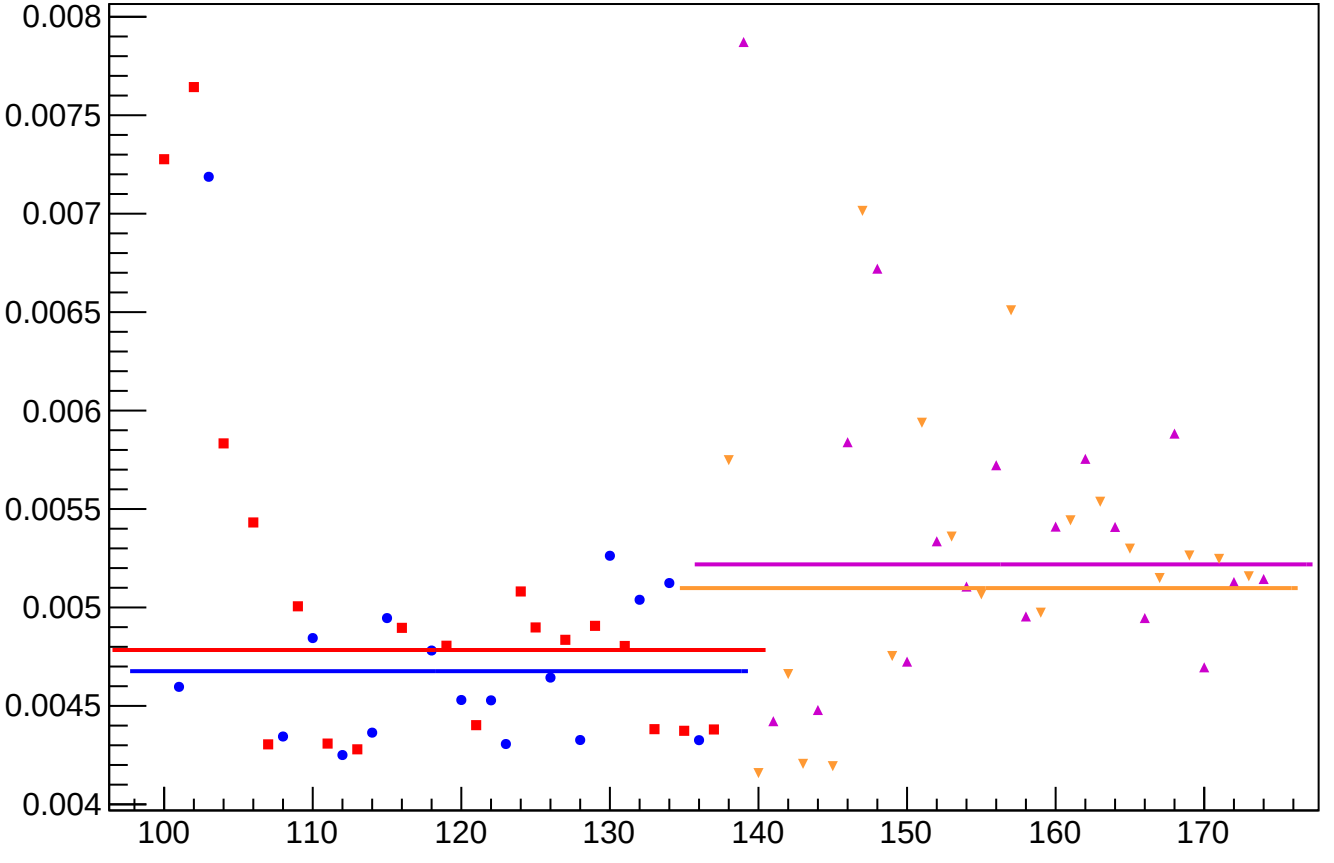
Right: -0.224+/-0.000 χ^2/NDF: 242740169.2/35

In: -0.225+/-0.000 χ^2/NDF:88115018.1/34

Out: -0.225+/-0.000 χ^2/NDF:189887346.5/37

All: -0.225+/-0.000 χ^2/NDF: 278019529.5/72

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:436877.4/17

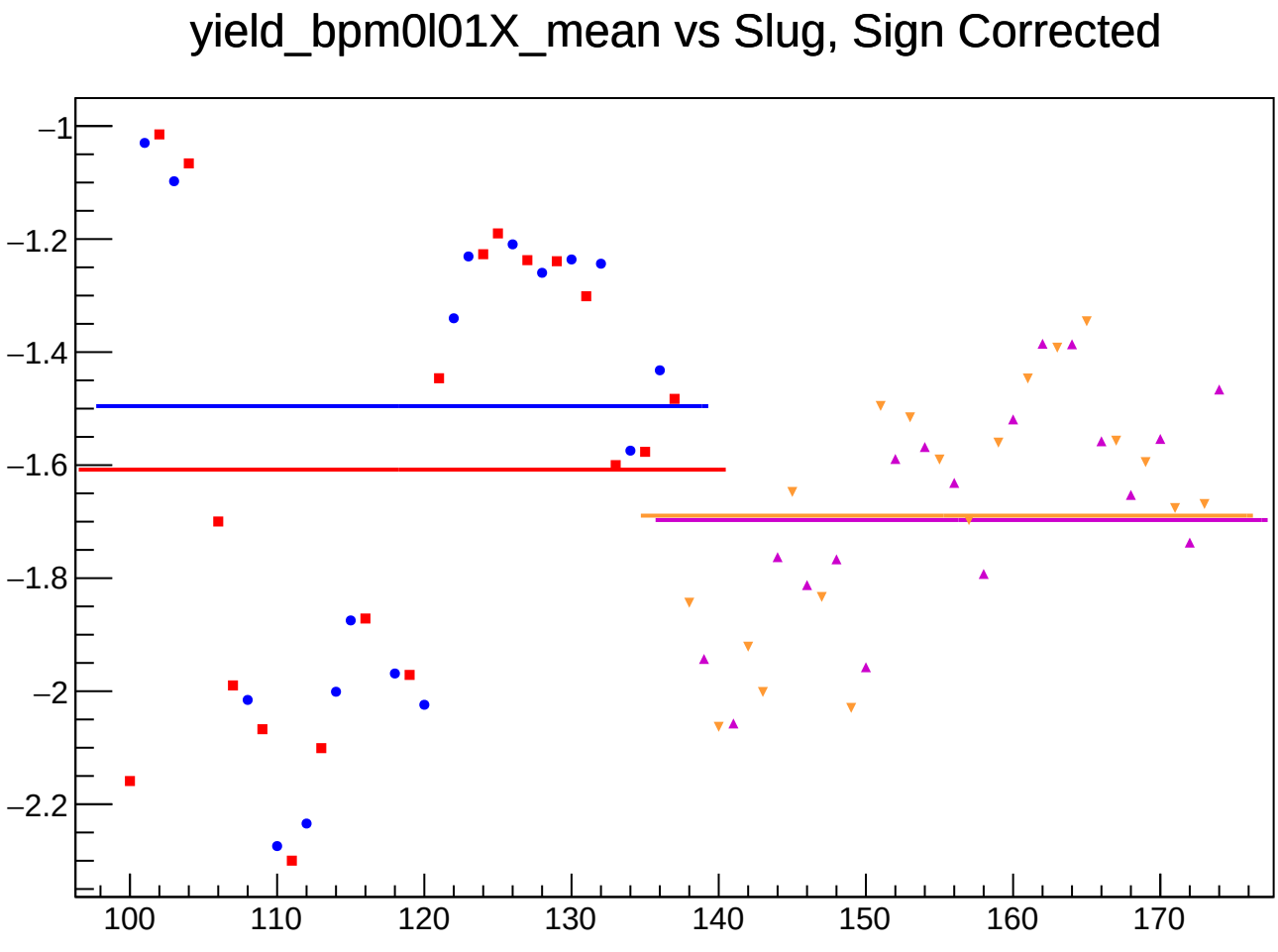
Left: 0.005+/-0.000 χ^2/NDF: 896817.2/36

Right: 0.005+/-0.000 χ^2/NDF: 432242.2/35

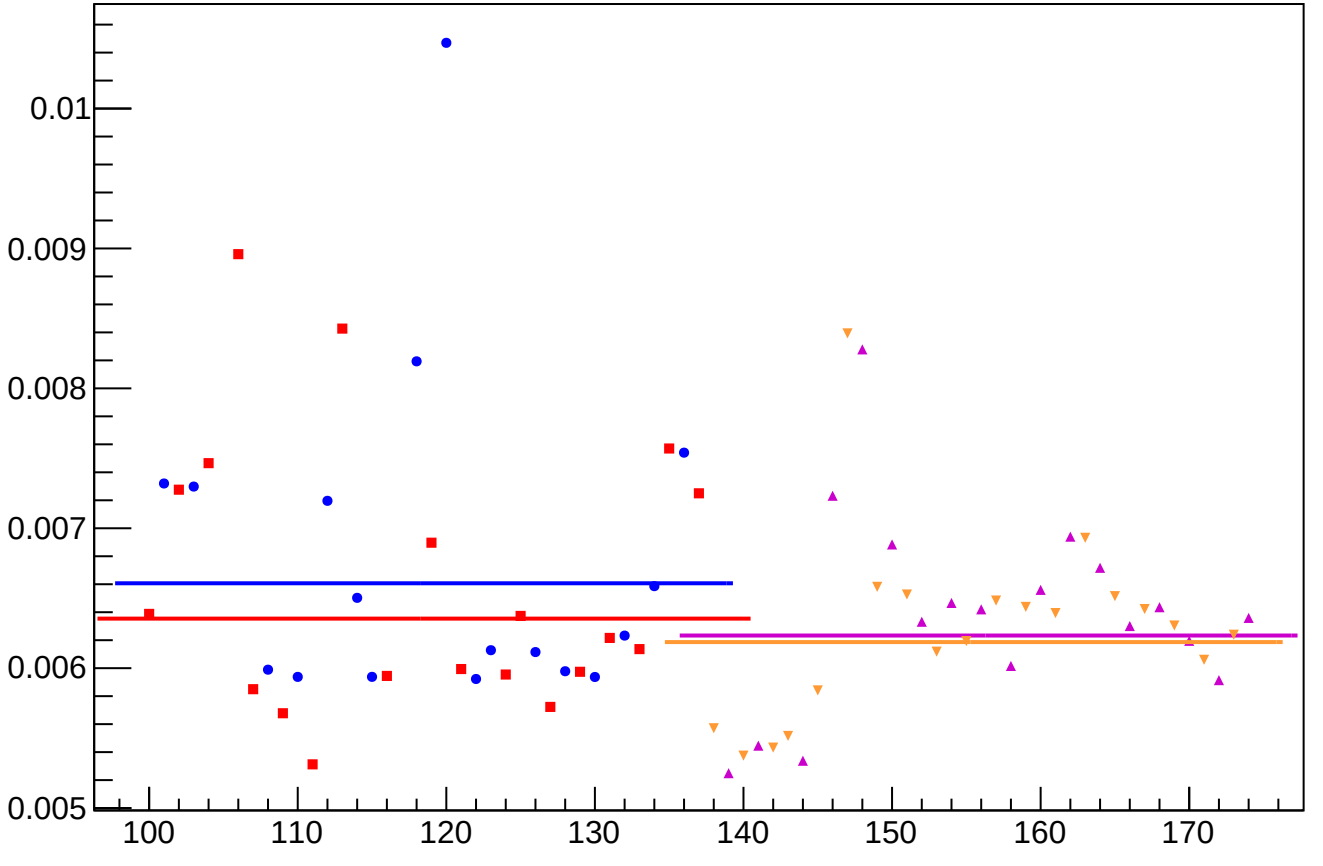
In: 0.005+/-0.000 χ^2/NDF:720377.0/34

Out: 0.005+/-0.000 χ^2/NDF:736655.1/37

All: 0.005+/-0.000 χ^2/NDF: 1458008.8/72


yield_bpm0l01X_mean vs Slug, Sign Corrected
−1
−1.2
−1.4
−1.6
−1.8
−2
−2.2
100
110
120
130
140
150
160
170
Right In: -1.496+/-0.000 χ²/NDF: 22506050663.3/16
Left Out: -1.689+/-0.000 χ²/NDF:15741319427.0/18
Right Out: -1.608+/-0.000 χ²/NDF: 27852841950.3/18
Left In: -1.697+/-0.000 χ²/NDF:12526150713.0/17
Left: -1.693+/-0.000 χ²/NDF: 28277939121.9/36
Right: -1.556+/-0.000 χ²/NDF: 51308404748.0/35
In: -1.639+/-0.000 χ²/NDF:39039360703.4/34
Out: -1.664+/-0.000 χ²/NDF:44331011501.1/37
All: -1.652+/-0.000 χ²/NDF: 83524357304.1/

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:295983.2/17

Left: 0.006+/-0.000 χ^2/NDF: 526475.0/36

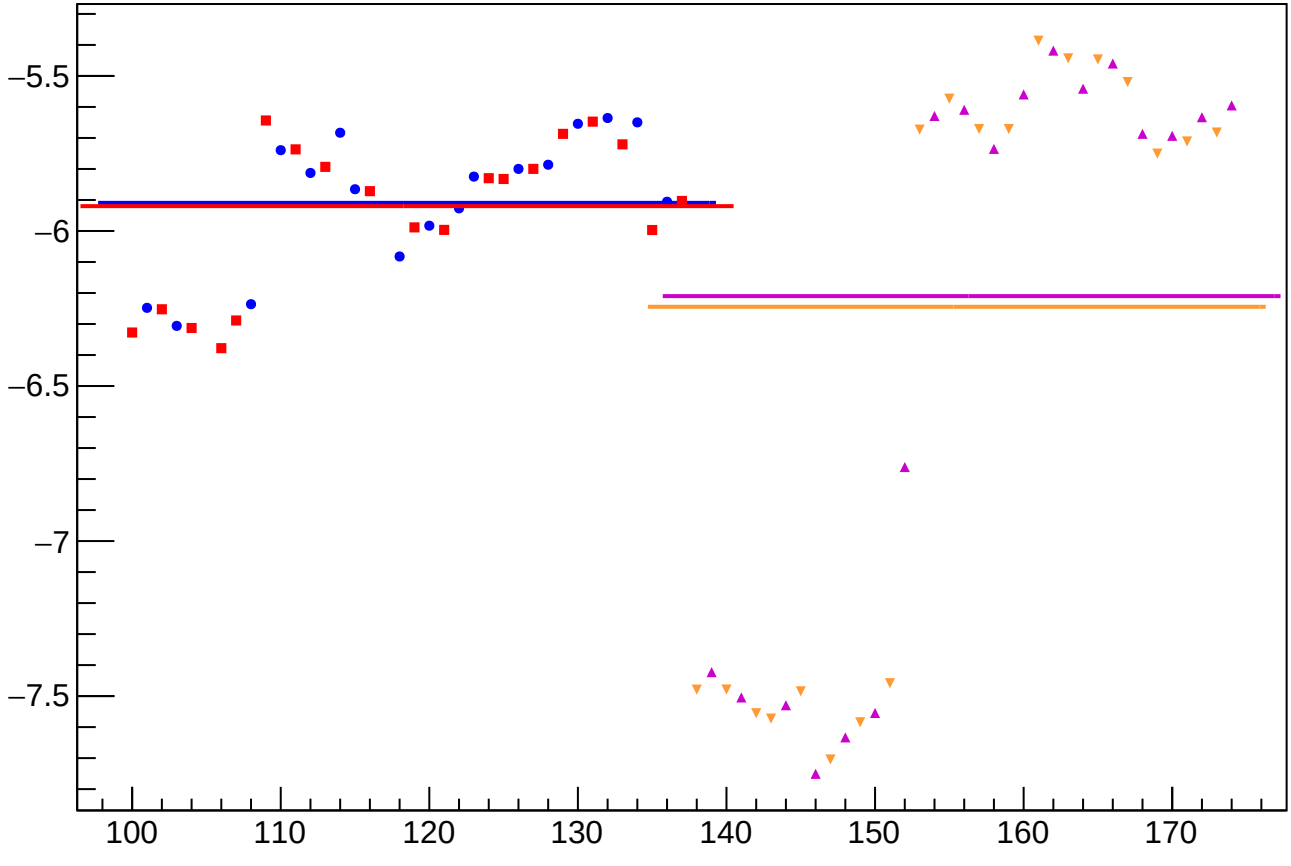
Right: 0.006+/-0.000 χ^2/NDF: 438183.3/35

In: 0.006+/-0.000 χ^2/NDF:524800.8/34

Out: 0.006+/-0.000 χ^2/NDF:463287.3/37

All: 0.006+/-0.000 χ^2/NDF: 993251.1/72

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: -6.210+/-0.000 χ^2/NDF:151734439449.1/17

Left: -6.227+/-0.000 χ^2/NDF: 324125384638.4/36

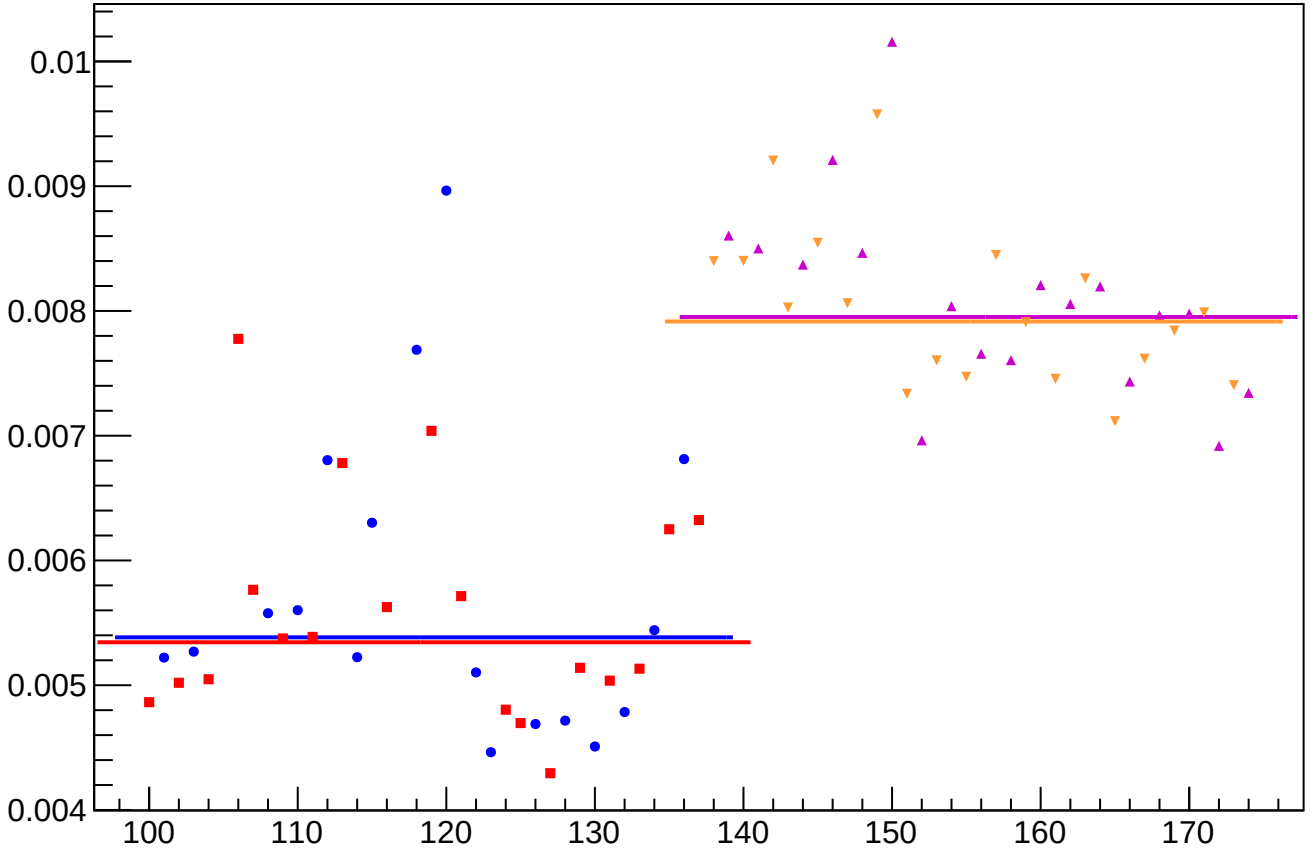
Right: -5.915+/-0.000 χ^2/NDF: 23922455242.5/35

In: -6.059+/-0.000 χ^2/NDF:171976619953.9/34

Out: -6.074+/-0.000 χ^2/NDF:196222751928.3/37

All: -6.067+/-0.000 χ^2/NDF: 368246630960.9

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:200339.3/17

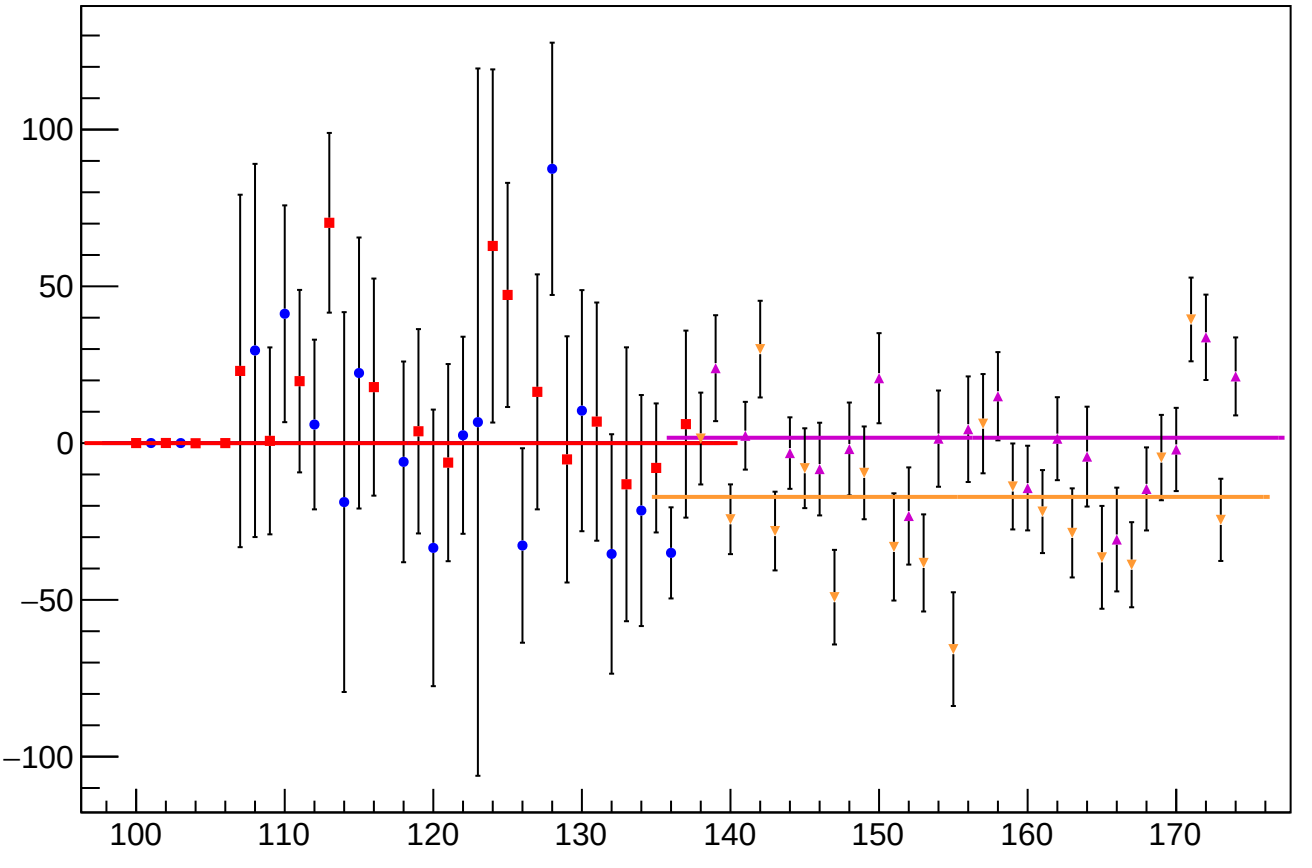
Left: 0.008+/-0.000 χ^2/NDF: 324196.8/36

Right: 0.005+/-0.000 χ^2/NDF: 592657.5/35

In: 0.007+/-0.000 χ^2/NDF:1876318.5/34

Out: 0.007+/-0.000 χ^2/NDF:1769753.9/37

All: 0.007+/-0.000 χ^2/NDF: 3649879.4/72



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: 1.708+/-3.284 χ^2/NDF:22.7/17

Left: -7.838+/-2.308 χ^2/NDF: 92.7/36

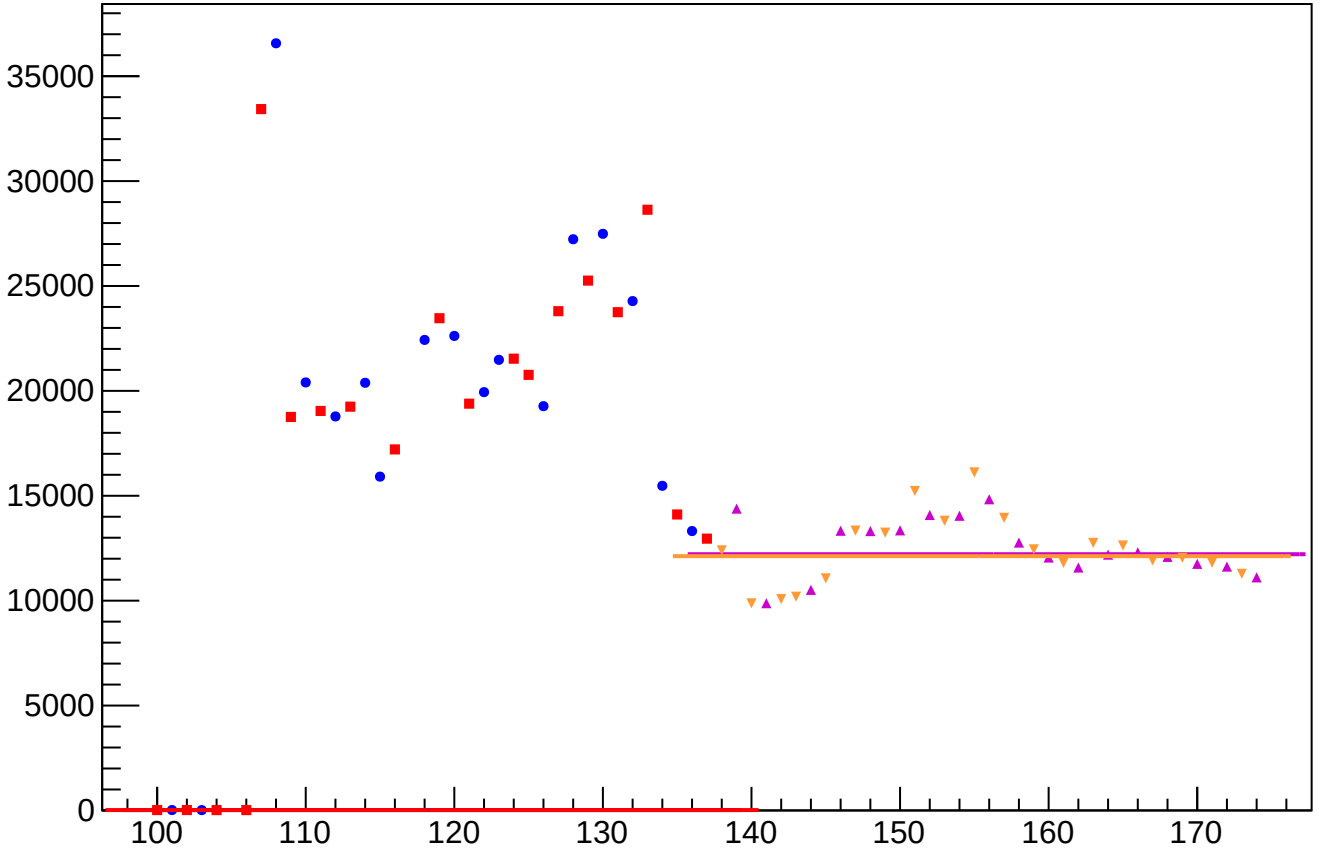
Right: 0.004+/-0.012 χ^2/NDF: 31.6/35

In: 0.013+/-0.017 χ^2/NDF:38.7/34

Out: -0.004+/-0.016 χ^2/NDF:96.6/37

All: 0.004+/-0.012 χ^2/NDF: 135.8/72

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2/NDF: 10841561.4/16

Left Out: 12121.848+/-2.294 χ^2/NDF:434834.4/18

Right Out: 18.311+/-0.011 χ^2/NDF: 11103320.8/18

Left In: 12213.256+/-2.322 χ^2/NDF:342017.3/17

Left: 12167.001+/-1.632 χ^2/NDF: 777635.9/36

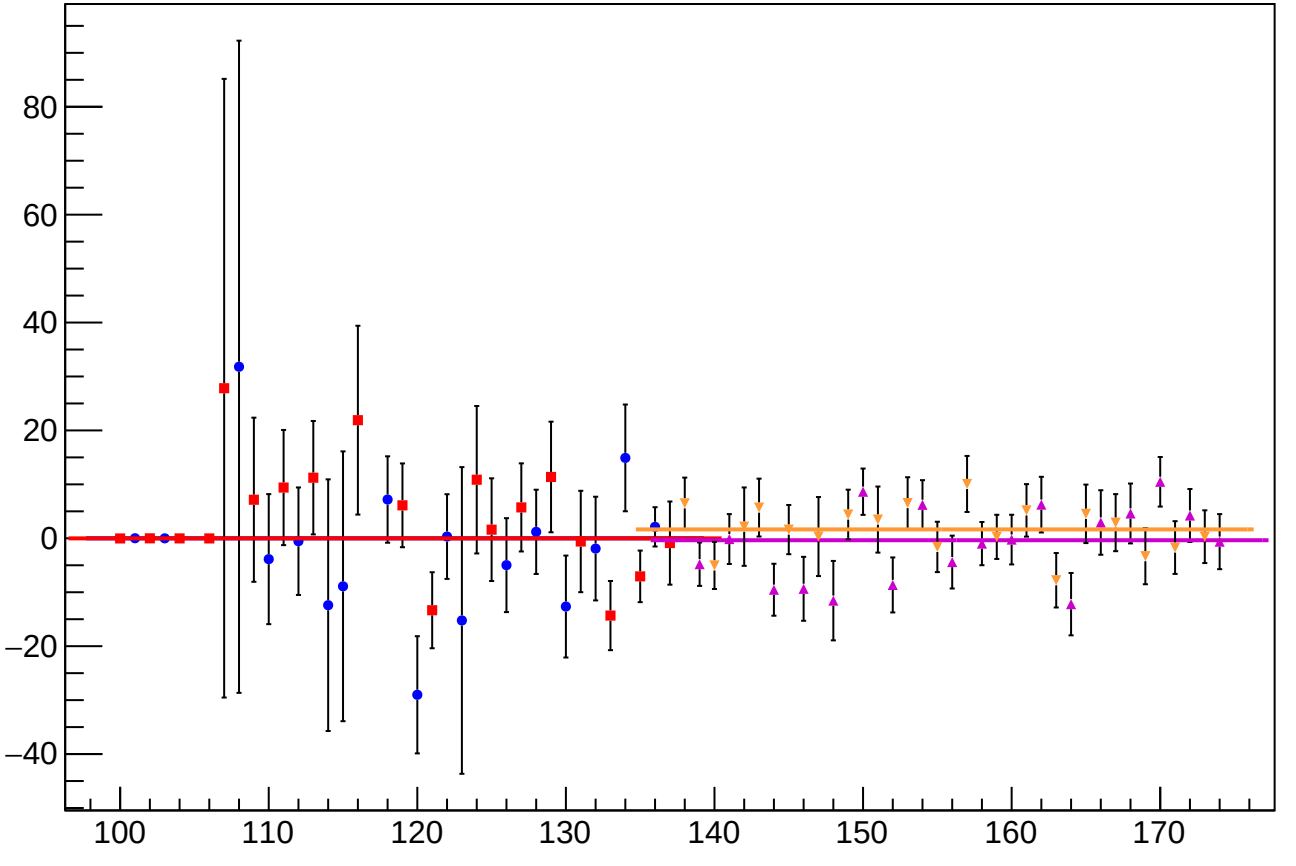
Right: 18.464+/-0.008 χ^2/NDF: 21945270.7/35

In: 18.981+/-0.012 χ^2/NDF:38762624.6/34

Out: 18.608+/-0.011 χ^2/NDF:39370196.2/37

All: 18.780+/-0.008 χ^2/NDF: 78133316.7/72

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.009 χ^2/NDF: 14.9/16

Left Out: 1.651+/-1.156 χ^2/NDF:14.5/18

Right Out: -0.014+/-0.009 χ^2/NDF: 18.4/18

Left In: -0.358+/-1.158 χ^2/NDF:32.7/17

Left: 0.648+/-0.818 χ^2/NDF: 48.7/36

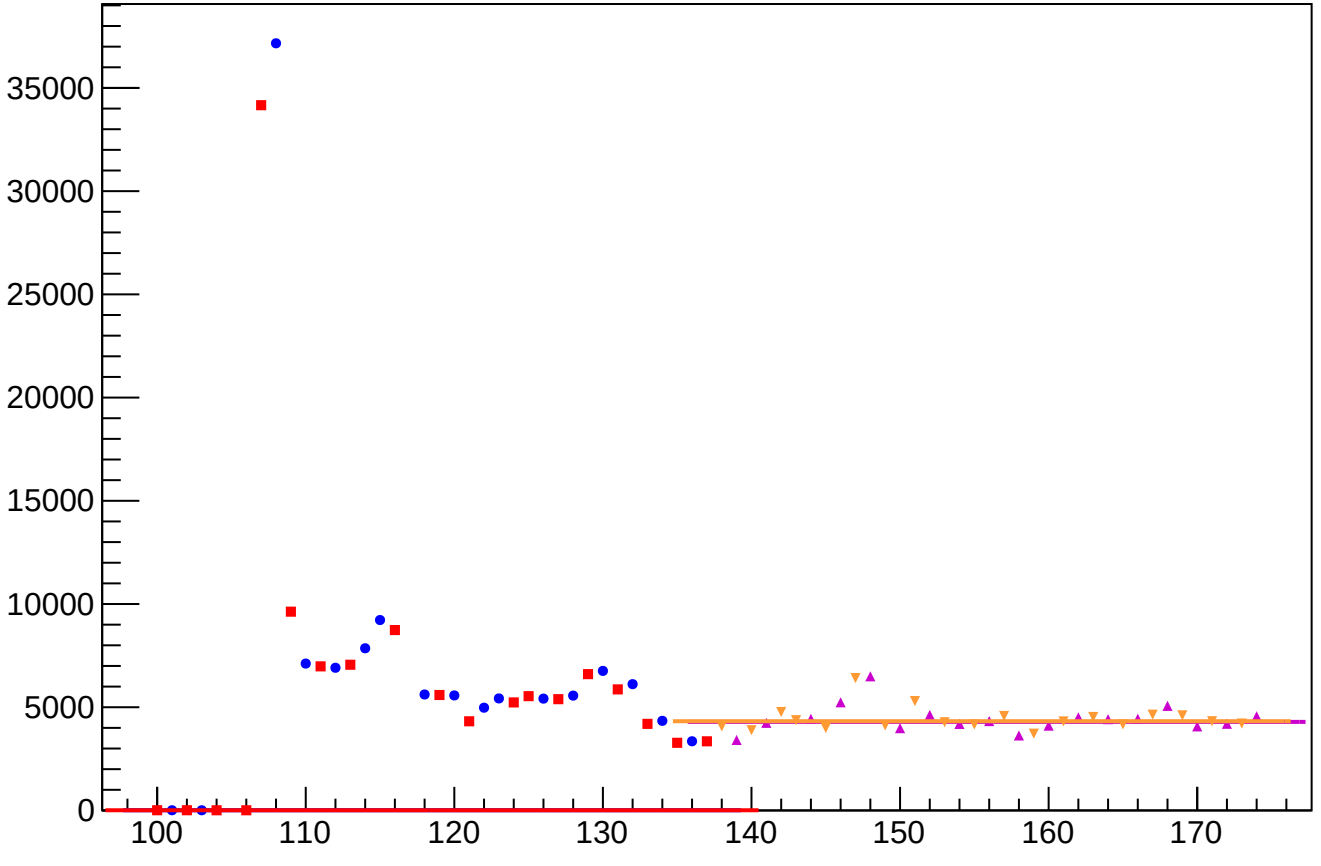
Right: -0.007+/-0.006 χ^2/NDF: 34.7/35

In: 0.001+/-0.009 χ^2/NDF:47.6/34

Out: -0.014+/-0.009 χ^2/NDF:35.0/37

All: -0.007+/-0.006 χ^2/NDF: 84.0/72

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: 4290.331+/-0.819 χ^2/NDF:460748.3/17

Left: 4306.410+/-0.579 χ^2/NDF: 791994.5/36

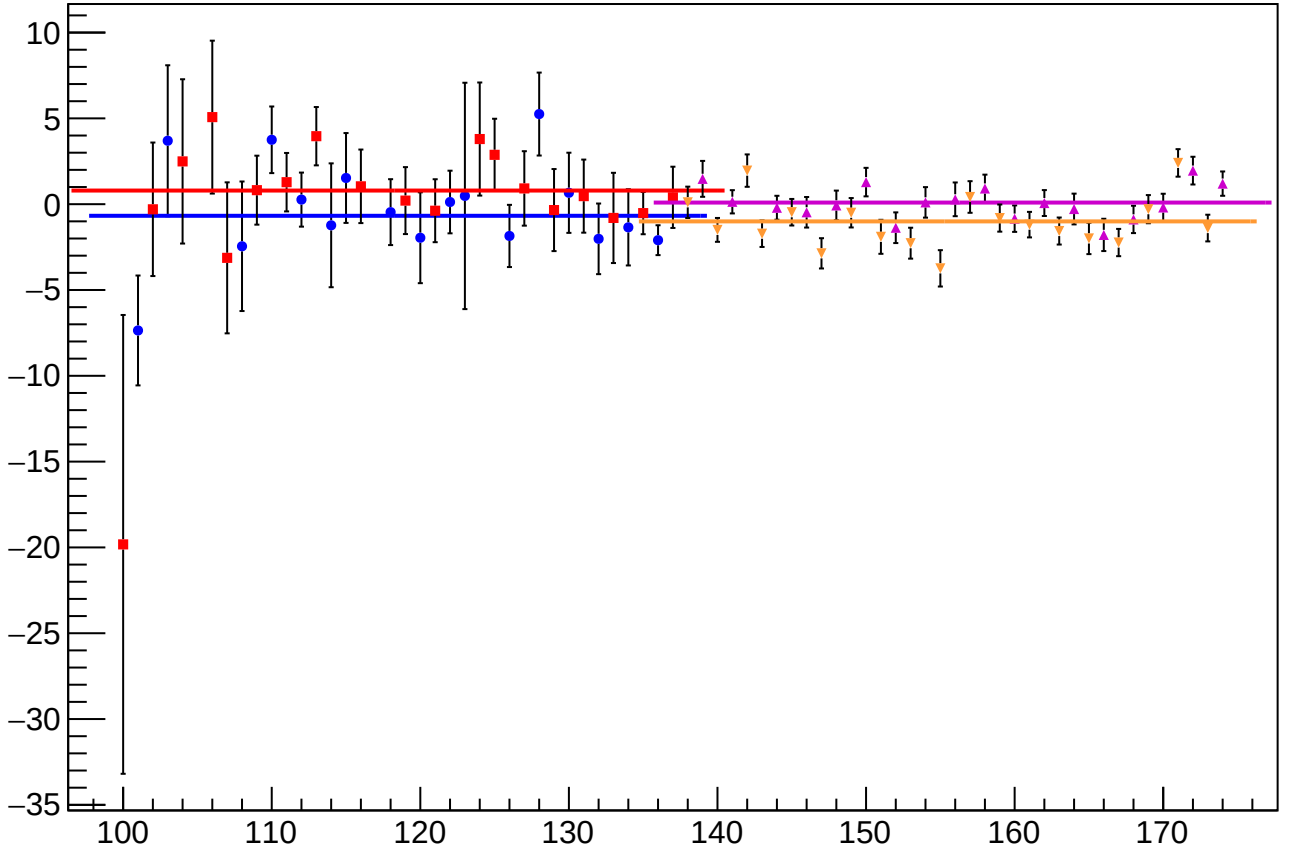
Right: 9.894+/-0.004 χ^2/NDF: 22126332.7/35

In: 10.208+/-0.007 χ^2/NDF:38749795.3/34

Out: 10.096+/-0.006 χ^2/NDF:39321621.5/37

All: 10.148+/-0.004 χ^2/NDF: 78071575.2/72

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677+/-0.484 χ^2/NDF: 22.3/16

Left Out: -1.003+/-0.192 χ^2/NDF:53.1/18

Right Out: 0.795+/-0.501 χ^2/NDF: 12.0/18

Left In: 0.094+/-0.193 χ^2/NDF:23.2/17

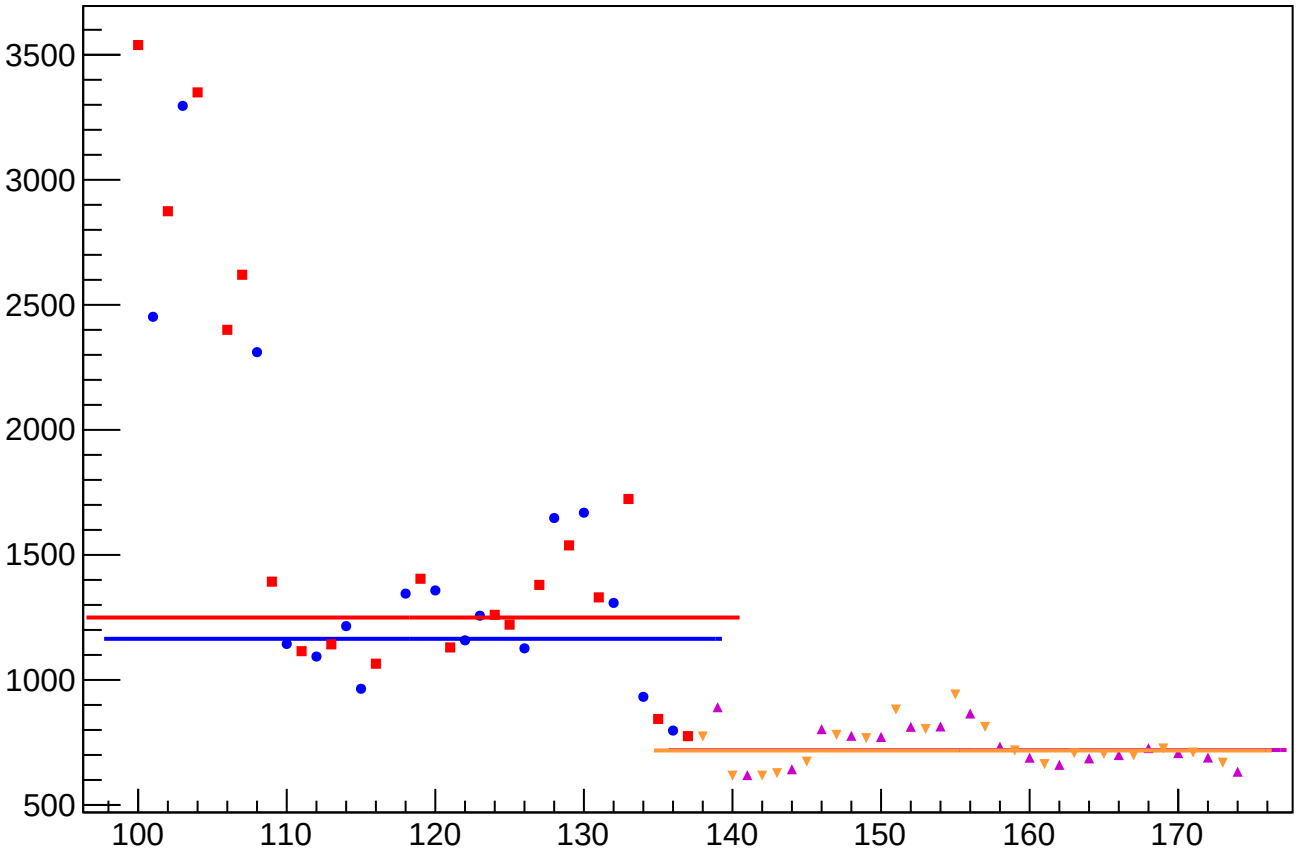
Left: -0.459+/-0.136 χ^2/NDF: 92.5/36

Right: 0.033+/-0.348 χ^2/NDF: 38.7/35

In: -0.012+/-0.180 χ^2/NDF:47.7/34

Out: -0.773+/-0.179 χ^2/NDF:76.3/37

All: -0.394+/-0.127 χ^2/NDF: 133.0/72



Right In: 1164.459+/-0.342 χ^2/NDF: 1584212.9/16

Left Out: 717.969+/-0.136 χ^2/NDF:326951.8/18

Right Out: 1249.596+/-0.354 χ^2/NDF: 1650133.1/18

Left In: 719.749+/-0.137 χ^2/NDF:297204.5/17

Left: 718.852+/-0.096 χ^2/NDF: 624241.9/36

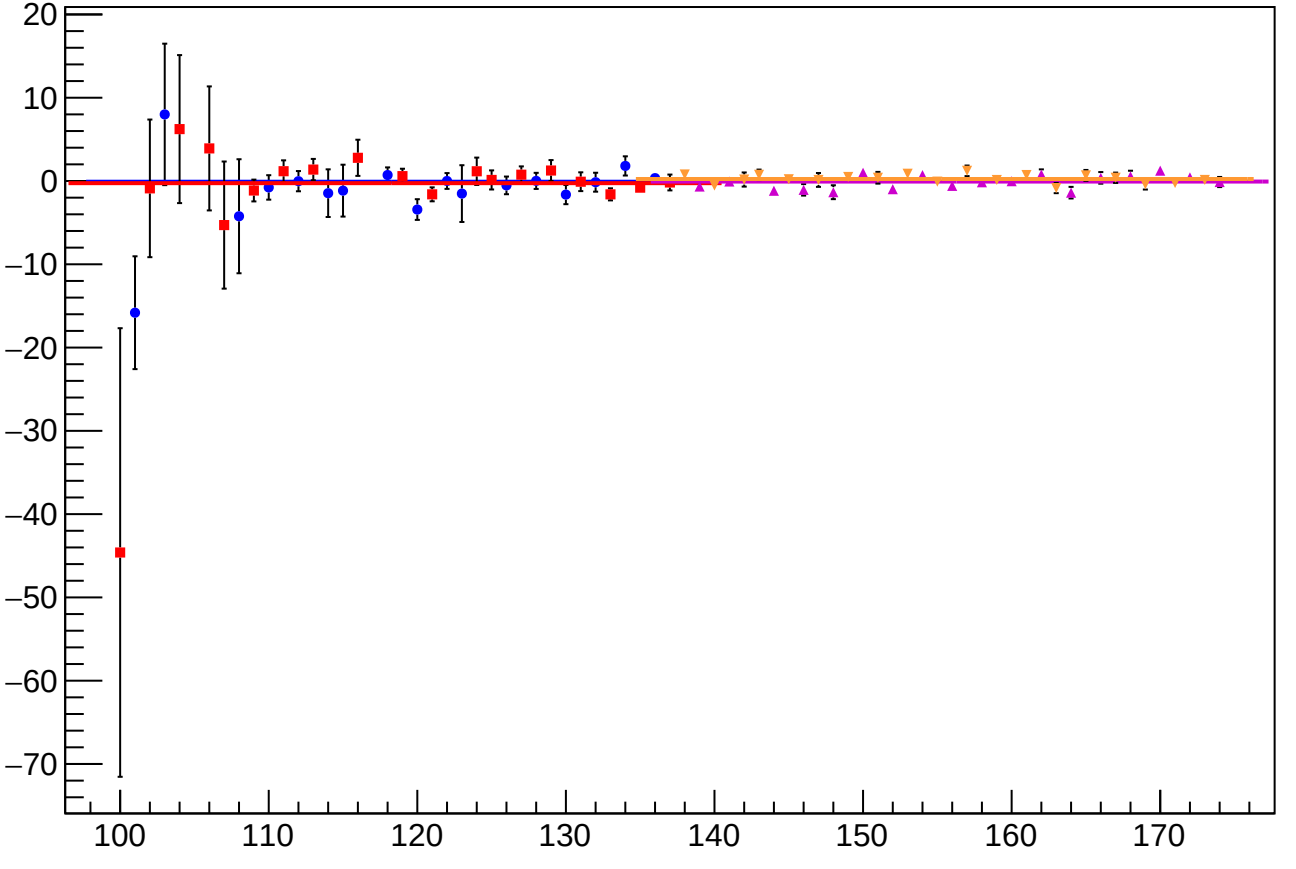
Right: 1205.546+/-0.246 χ^2/NDF: 3264193.7/35

In: 780.906+/-0.127 χ^2/NDF:3336859.6/34

Out: 785.814+/-0.127 χ^2/NDF:3939408.7/37

All: 783.366+/-0.090 χ^2/NDF: 7277017.5/72

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: -0.067+/-0.139 χ^2/NDF:32.2/17

Left: 0.088+/-0.098 χ^2/NDF: 48.7/36

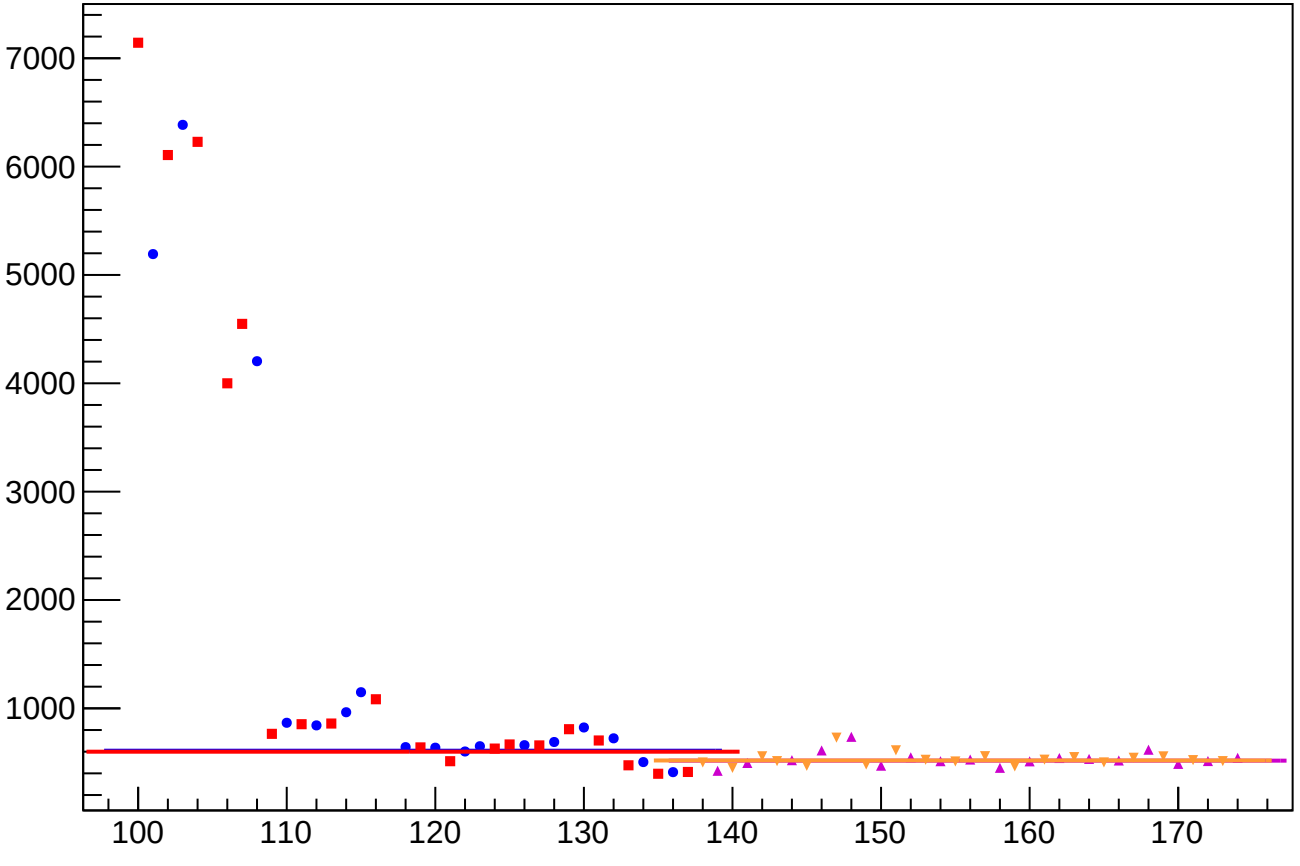
Right: -0.174+/-0.189 χ^2/NDF: 41.7/35

In: -0.071+/-0.124 χ^2/NDF:53.2/34

Out: 0.133+/-0.123 χ^2/NDF:37.4/37

All: 0.032+/-0.087 χ^2/NDF: 92.0/72

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016+/-0.191 χ^2/NDF: 3139231.5/16

Left Out: 518.927+/-0.098 χ^2/NDF:282406.0/18

Right Out: 599.910+/-0.187 χ^2/NDF: 3547599.8/18

Left In: 517.201+/-0.099 χ^2/NDF:366312.6/17

Left: 518.069+/-0.069 χ^2/NDF: 648872.8/36

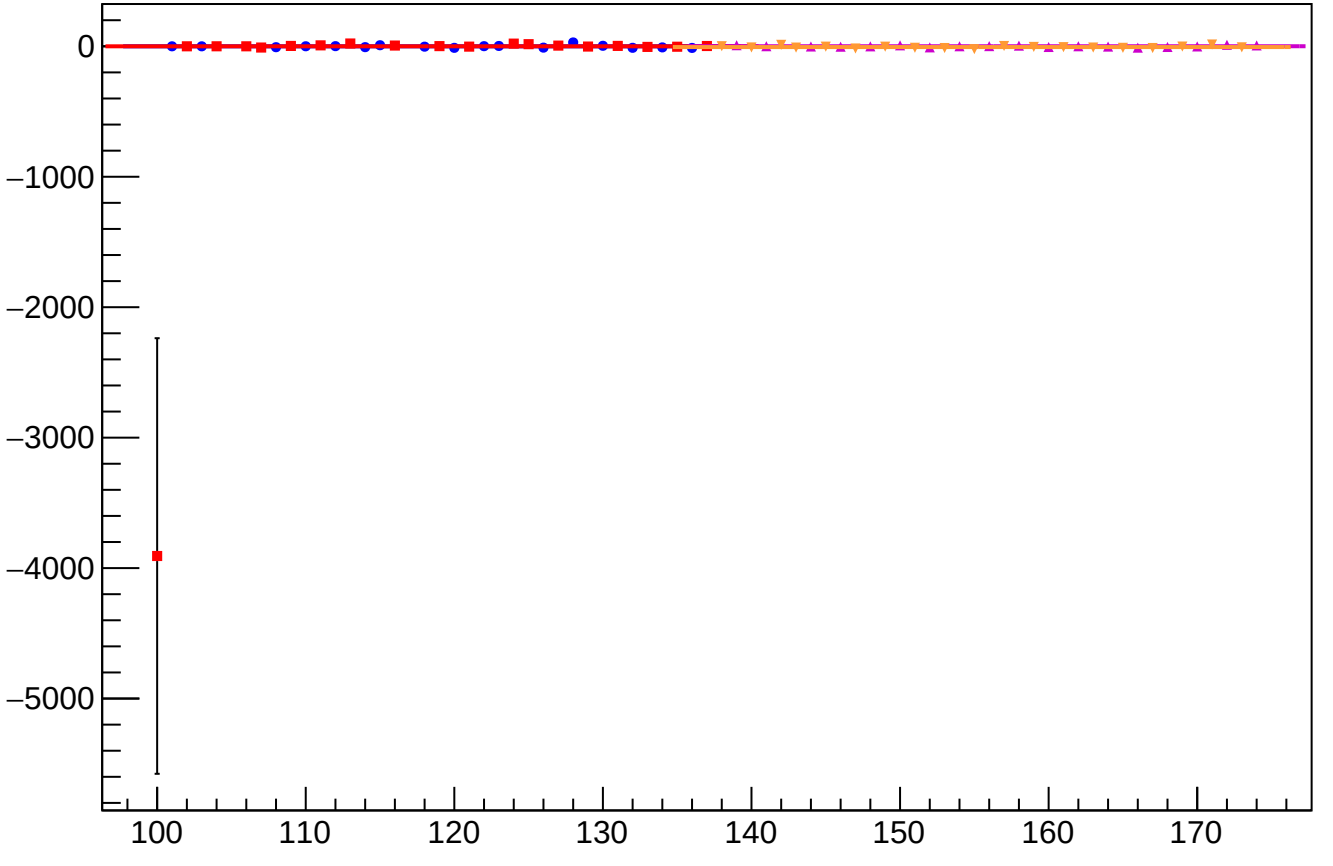
Right: 604.364+/-0.134 χ^2/NDF: 6687992.0/35

In: 536.494+/-0.088 χ^2/NDF:3688013.7/34

Out: 536.389+/-0.087 χ^2/NDF:3977247.6/37

All: 536.441+/-0.062 χ^2/NDF: 7665262.0/72

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022+/-0.021 χ^2/NDF: 15.3/16

Left Out: -5.785+/-1.115 χ^2/NDF:52.9/18

Right Out: 0.027+/-0.020 χ^2/NDF: 17.3/18

Left In: 0.587+/-1.126 χ^2/NDF:23.3/17

Left: -2.629+/-0.792 χ^2/NDF: 92.3/36

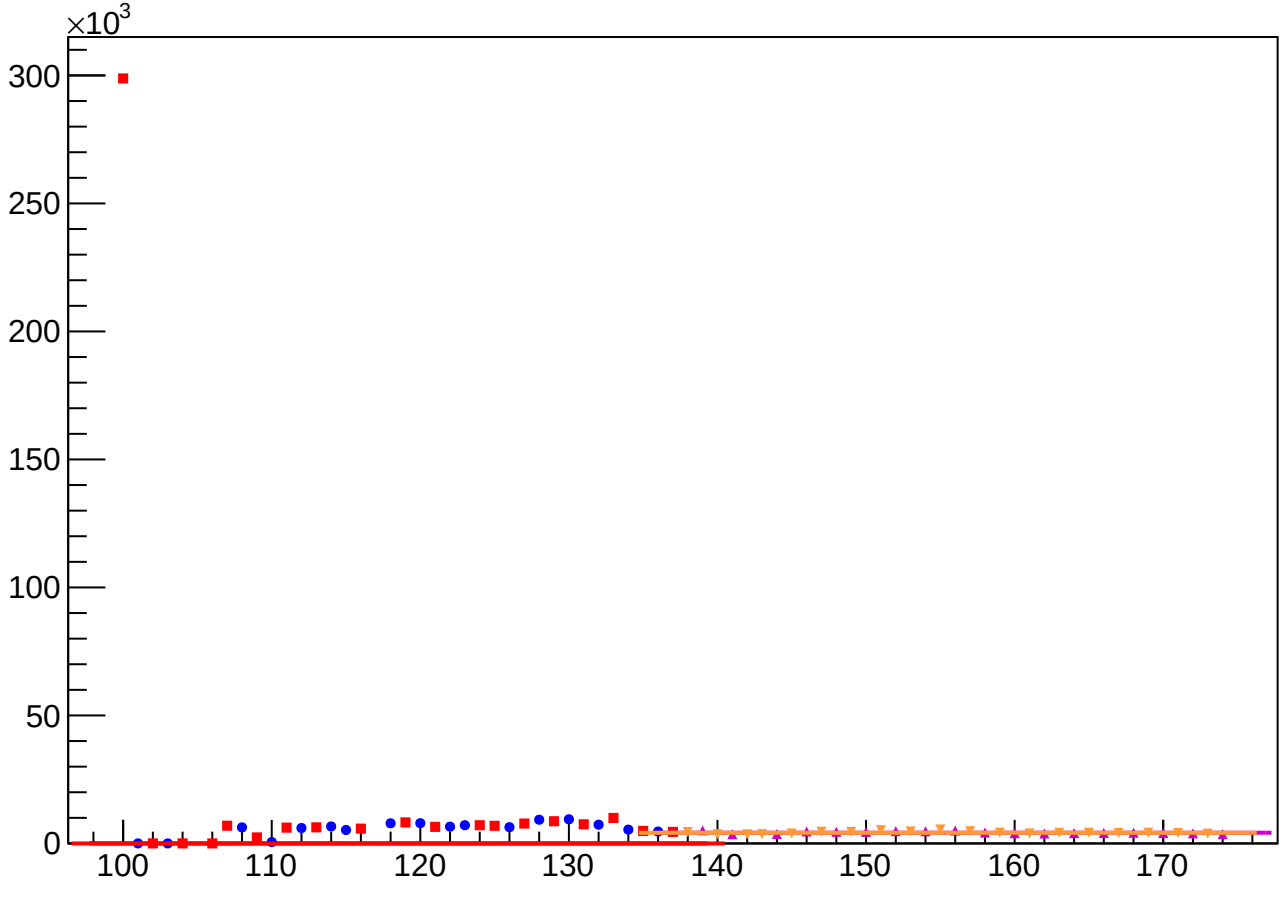
Right: 0.004+/-0.014 χ^2/NDF: 35.4/35

In: -0.021+/-0.021 χ^2/NDF:38.8/34

Out: 0.025+/-0.020 χ^2/NDF:97.3/37

All: 0.003+/-0.014 χ^2/NDF: 138.7/72

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337+/-0.015 χ^2/NDF: 10359409.4/16

Left Out: 4174.039+/-0.789 χ^2/NDF:349837.2/18

Right Out: 17.268+/-0.014 χ^2/NDF: 10813350.8/18

Left In: 4189.736+/-0.796 χ^2/NDF:309074.9/17

Left: 4181.815+/-0.560 χ^2/NDF: 659108.3/36

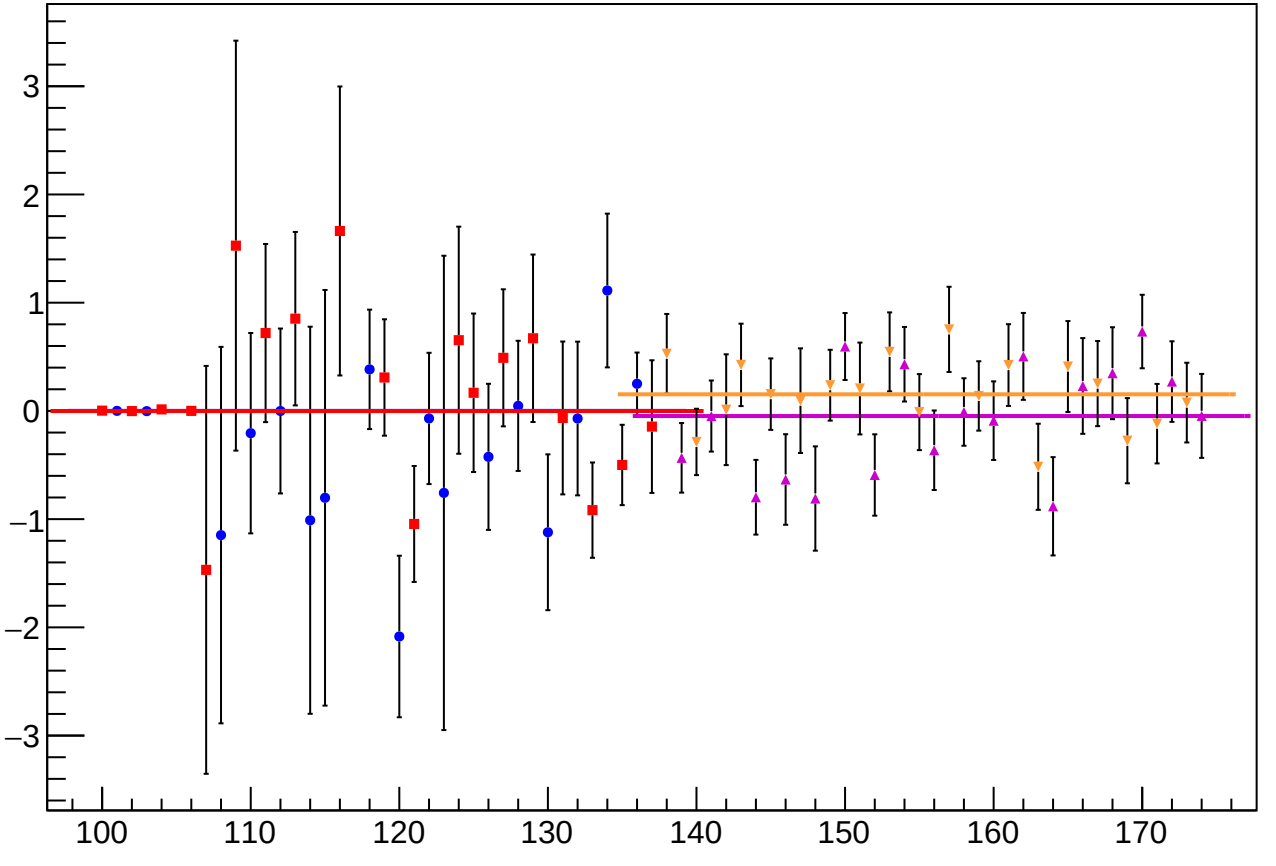
Right: 17.301+/-0.010 χ^2/NDF: 21172771.7/35

In: 18.760+/-0.015 χ^2/NDF:38141253.4/34

Out: 18.575+/-0.014 χ^2/NDF:38943009.7/37

All: 18.663+/-0.010 χ^2/NDF: 77084346.5/72

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+/-0.087 χ^2/NDF:32.3/17

Left: 0.054+/-0.061 χ^2/NDF: 48.0/36

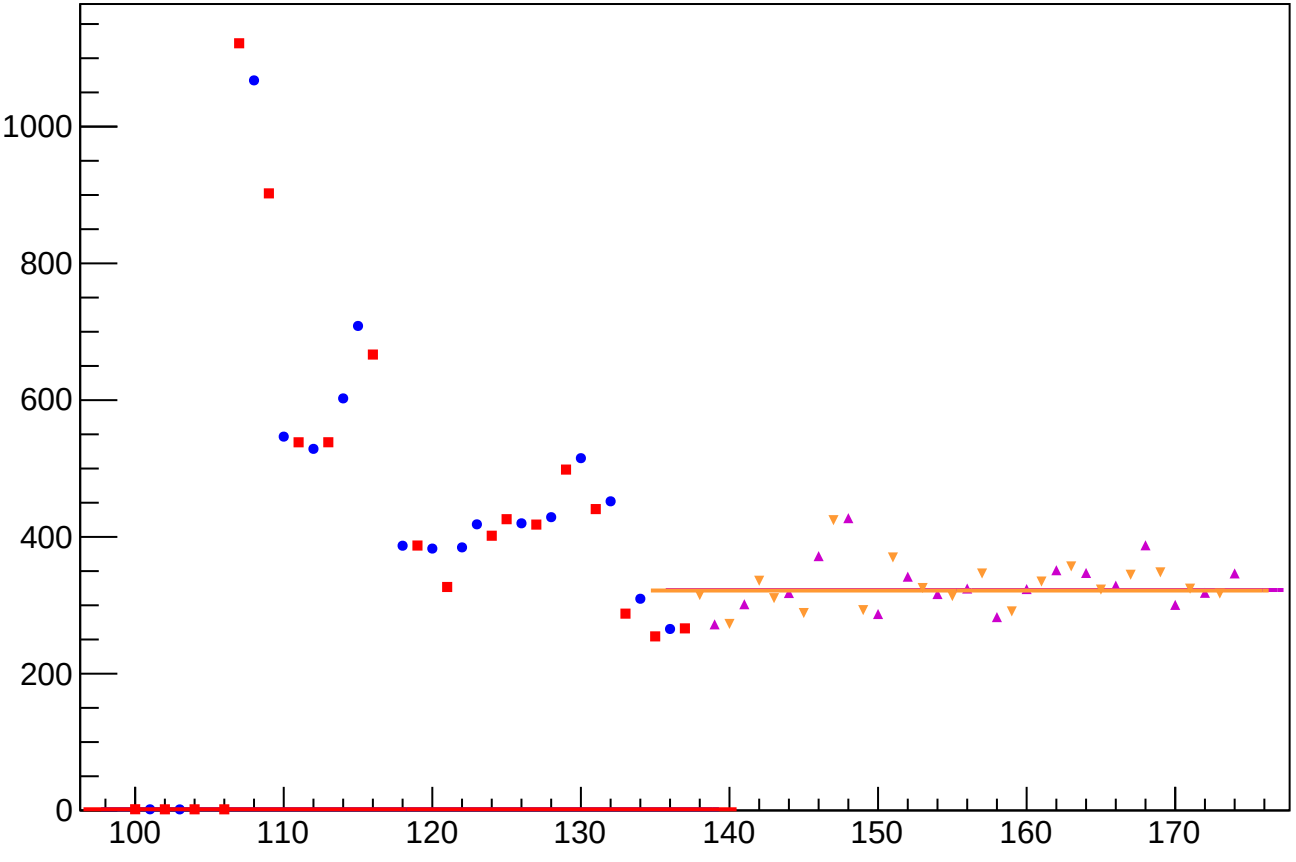
Right: -0.000+/-0.001 χ^2/NDF: 33.6/35

In: 0.000+/-0.002 χ^2/NDF:48.2/34

Out: -0.001+/-0.002 χ^2/NDF:34.1/37

All: -0.000+/-0.001 χ^2/NDF: 82.4/72

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698+/-0.001 χ^2/NDF: 10911617.0/16

Left Out: 321.620+/-0.061 χ^2/NDF:268441.1/18

Right Out: 1.728+/-0.001 χ^2/NDF: 10736674.8/18

Left In: 322.362+/-0.061 χ^2/NDF:324958.2/17

Left: 321.987+/-0.043 χ^2/NDF: 593473.2/36

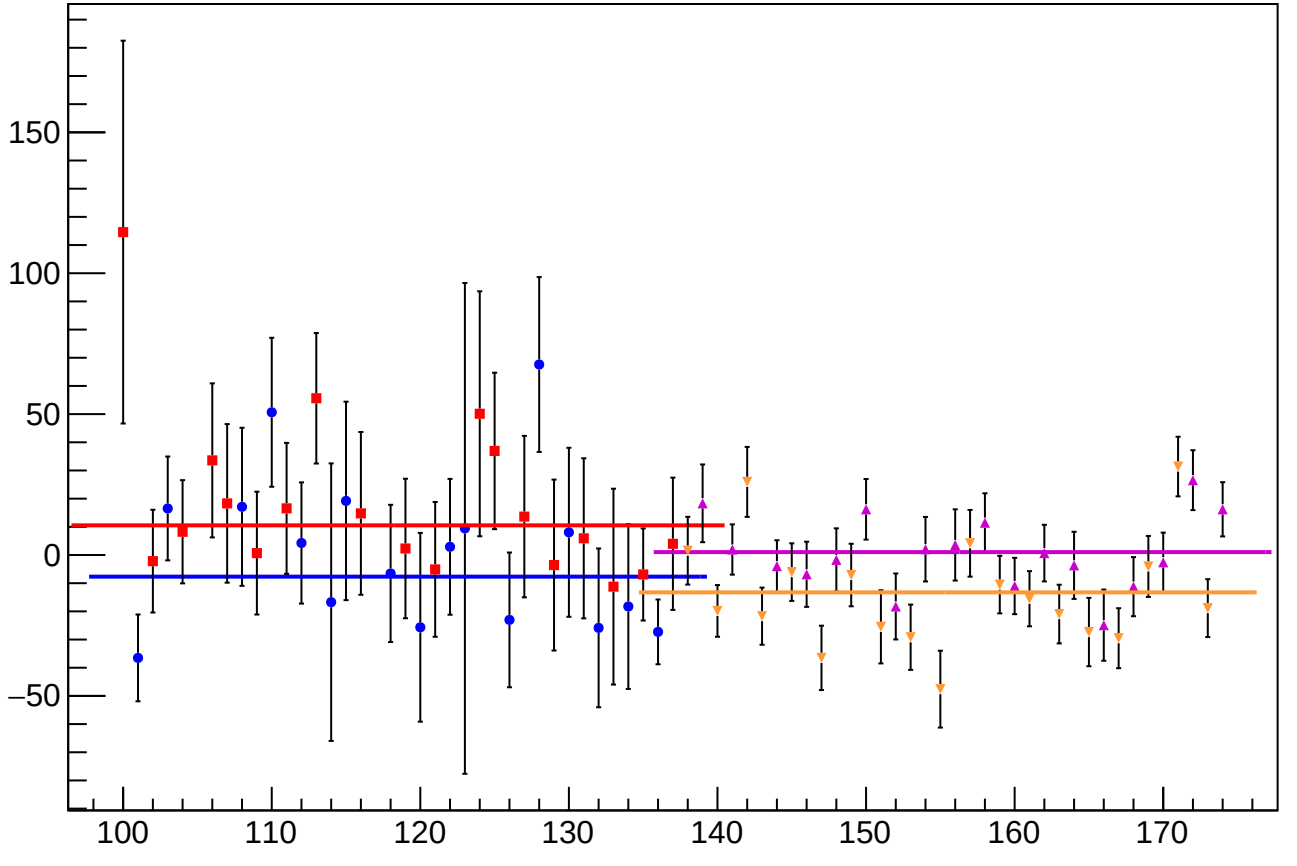
Right: 1.714+/-0.001 χ^2/NDF: 21648518.8/35

In: 1.873+/-0.001 χ^2/NDF:38542244.5/34

Out: 1.891+/-0.001 χ^2/NDF:38745924.0/37

All: 1.883+/-0.001 χ^2/NDF: 77288253.3/72

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683+/-5.627 χ^2/NDF: 22.4/16

Left Out: -13.247+/-2.515 χ^2/NDF:52.1/18

Right Out: 10.524+/-5.682 χ^2/NDF: 11.9/18

Left In: 1.029+/-2.539 χ^2/NDF:23.7/17

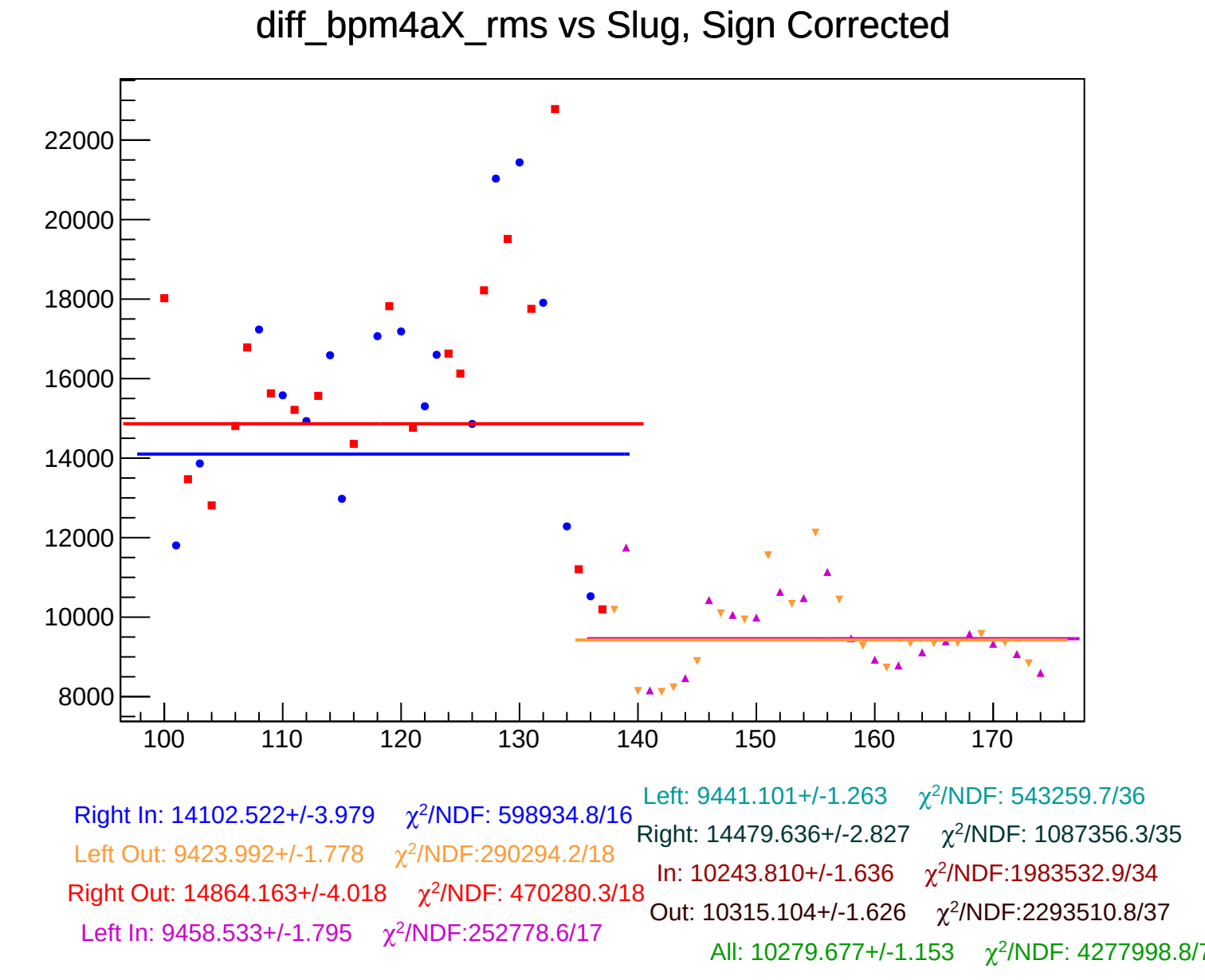
Left: -6.176+/-1.787 χ^2/NDF: 91.8/36

Right: 1.332+/-3.998 χ^2/NDF: 39.4/35

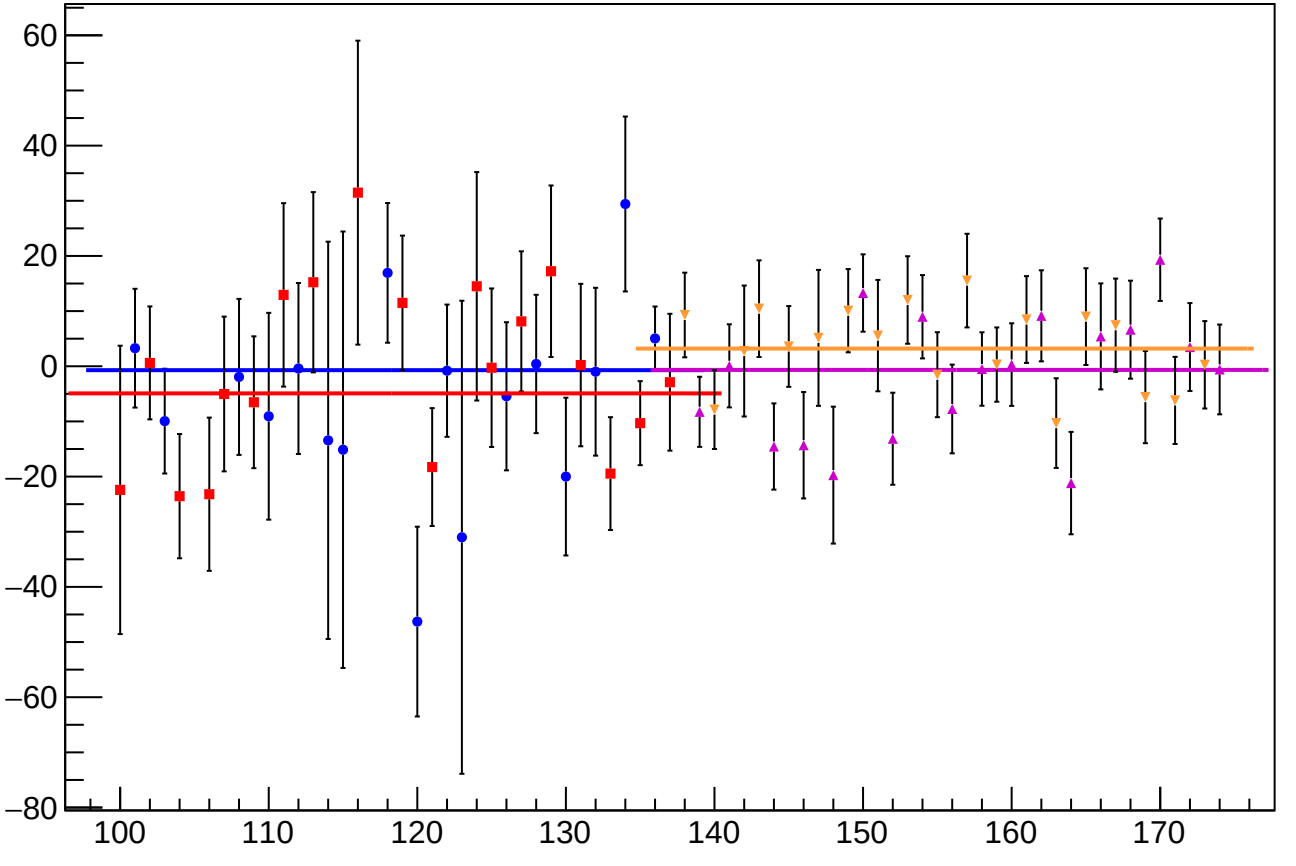
In: -0.444+/-2.314 χ^2/NDF:48.1/34

Out: -9.353+/-2.300 χ^2/NDF:78.6/37

All: -4.926+/-1.631 χ^2/NDF: 134.1/72


diff_bpm4aX_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
100
110
120
130
140
150
160
170
Right In: 14102.522+/-3.979 χ²/NDF: 598934.8/16
Left Out: 9423.992+/-1.778 χ²/NDF:290294.2/18
Right Out: 14864.163+/-4.018 χ²/NDF: 470280.3/18
Left In: 9458.533+/-1.795 χ²/NDF:252778.6/17
Left: 9441.101+/-1.263 χ²/NDF: 543259.7/36
Right: 14479.636+/-2.827 χ²/NDF: 1087356.3/35
In: 10243.810+/-1.636 χ²/NDF:1983532.9/34
Out: 10315.104+/-1.626 χ²/NDF:2293510.8/37
All: 10279.677+/-1.153 χ²/NDF: 4277998.8/7

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708+/-3.084 χ^2/NDF: 17.6/16

Left Out: 3.207+/-1.881 χ^2/NDF:15.1/18

Right Out: -4.918+/-2.940 χ^2/NDF: 19.8/18

Left In: -0.662+/-1.881 χ^2/NDF:32.4/17

Left: 1.272+/-1.330 χ^2/NDF: 49.6/36

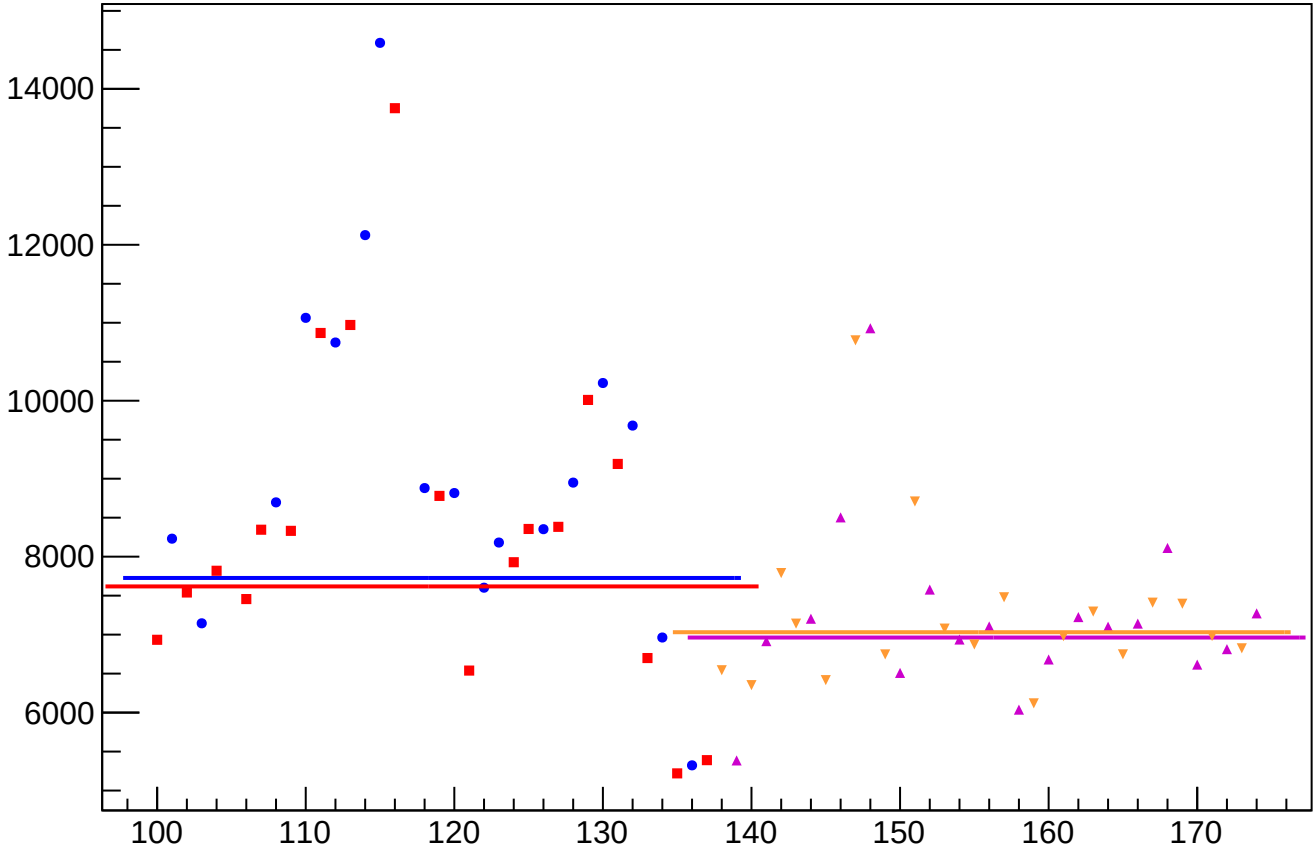
Right: -2.914+/-2.128 χ^2/NDF: 38.3/35

In: -0.674+/-1.606 χ^2/NDF:49.9/34

Out: 0.846+/-1.585 χ^2/NDF:40.3/37

All: 0.096+/-1.128 χ^2/NDF: 90.6/72

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745+/-2.180 χ^2/NDF: 742512.8/16

Left Out: 7030.896+/-1.330 χ^2/NDF:348045.9/18

Right Out: 7618.206+/-2.079 χ^2/NDF: 675125.4/18

Left In: 6962.586+/-1.330 χ^2/NDF:486290.8/17

Left: 6996.738+/-0.941 χ^2/NDF: 835655.4/36

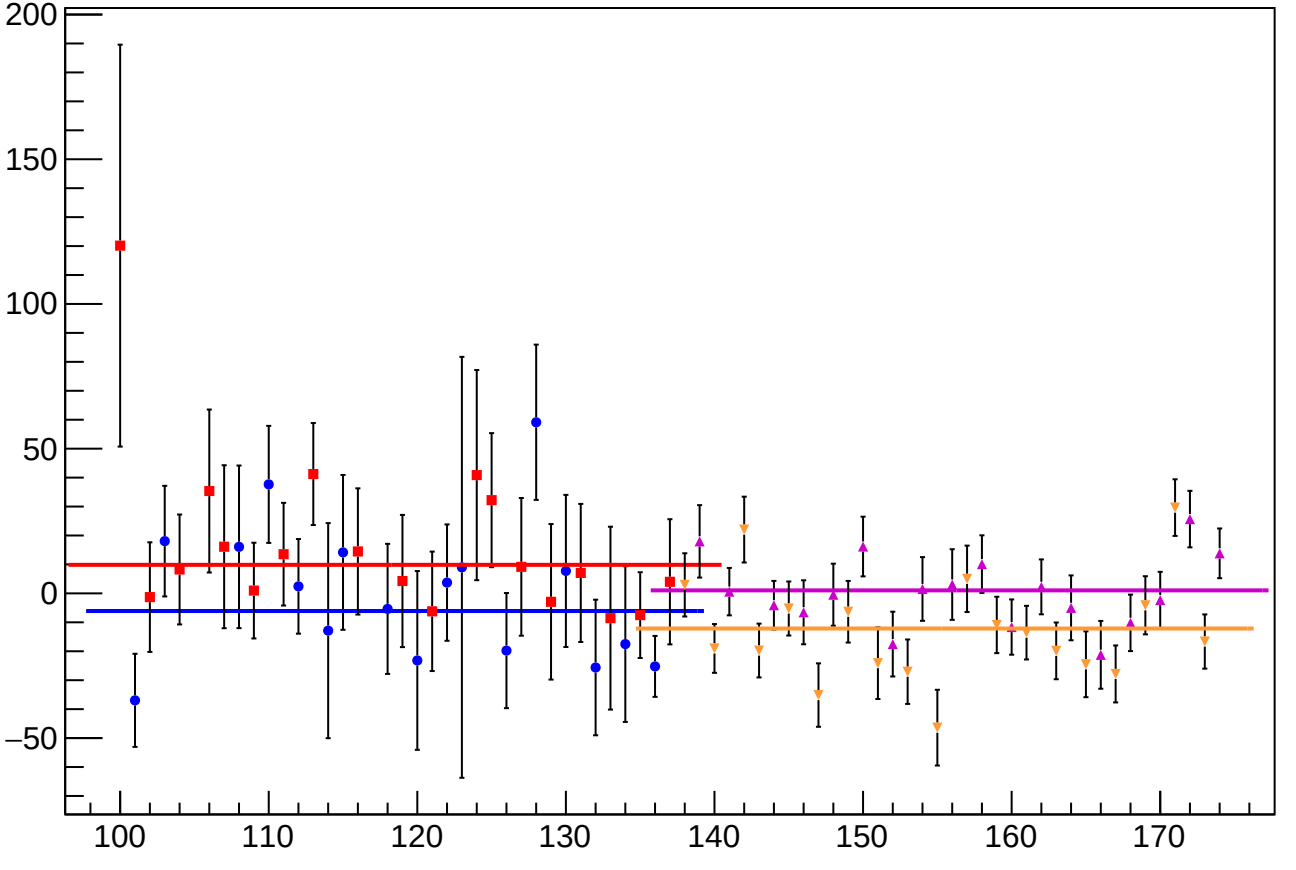
Right: 7669.883+/-1.504 χ^2/NDF: 1418936.4/35

In: 7169.831+/-1.135 χ^2/NDF:1318321.7/34

Out: 7201.543+/-1.120 χ^2/NDF:1079811.4/37

All: 7185.899+/-0.798 χ^2/NDF: 2398528.3/72

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092+/-5.034 χ^2/NDF: 22.9/16

Left Out: -12.142+/-2.352 χ^2/NDF:52.8/18

Right Out: 9.864+/-5.004 χ^2/NDF: 11.6/18

Left In: 1.038+/-2.376 χ^2/NDF:24.2/17

Left: -5.619+/-1.671 χ^2/NDF: 92.6/36

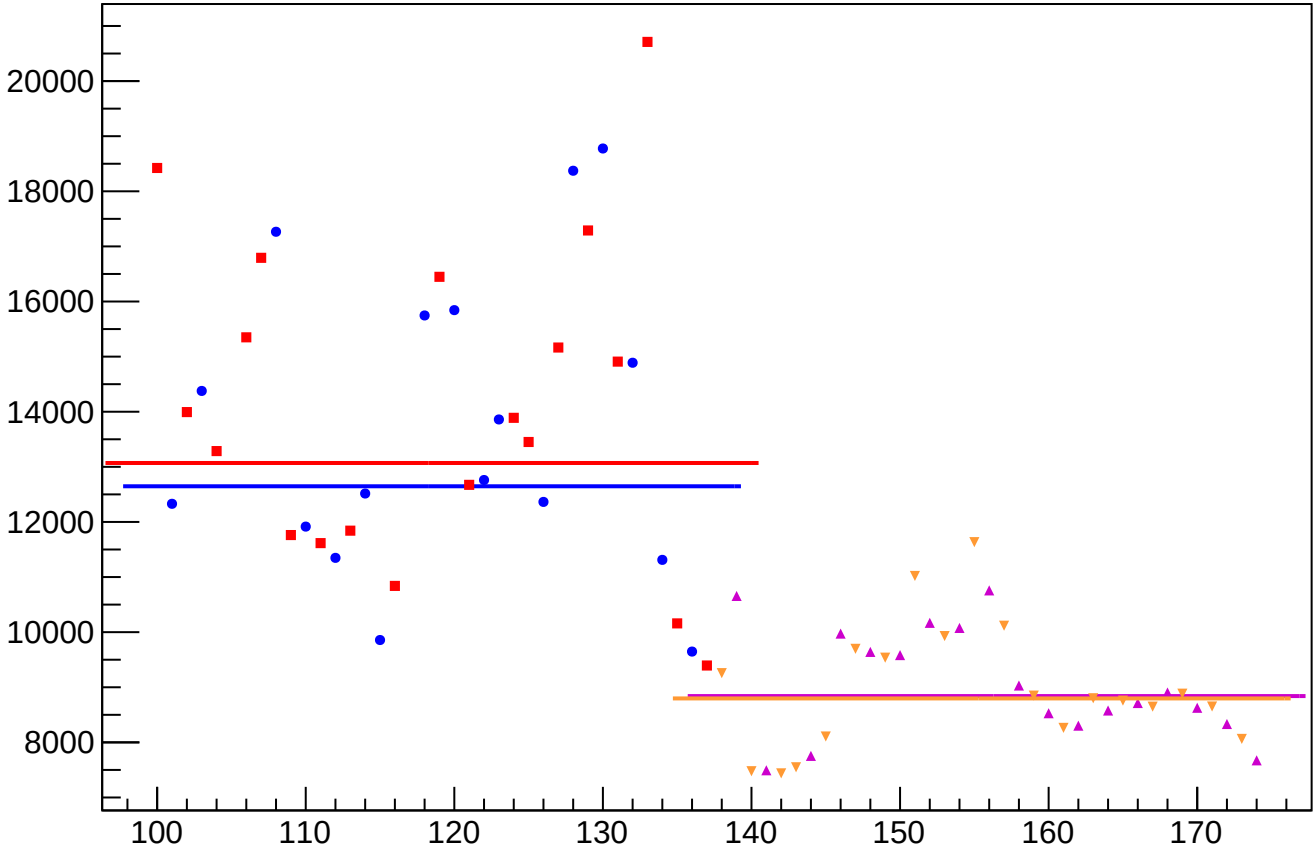
Right: 1.934+/-3.549 χ^2/NDF: 39.6/35

In: -0.260+/-2.148 χ^2/NDF:48.7/34

Out: -8.160+/-2.128 χ^2/NDF:80.3/37

All: -4.248+/-1.512 χ^2/NDF: 135.9/72

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: 8840.191+/-1.680 χ^2/NDF:328867.7/17

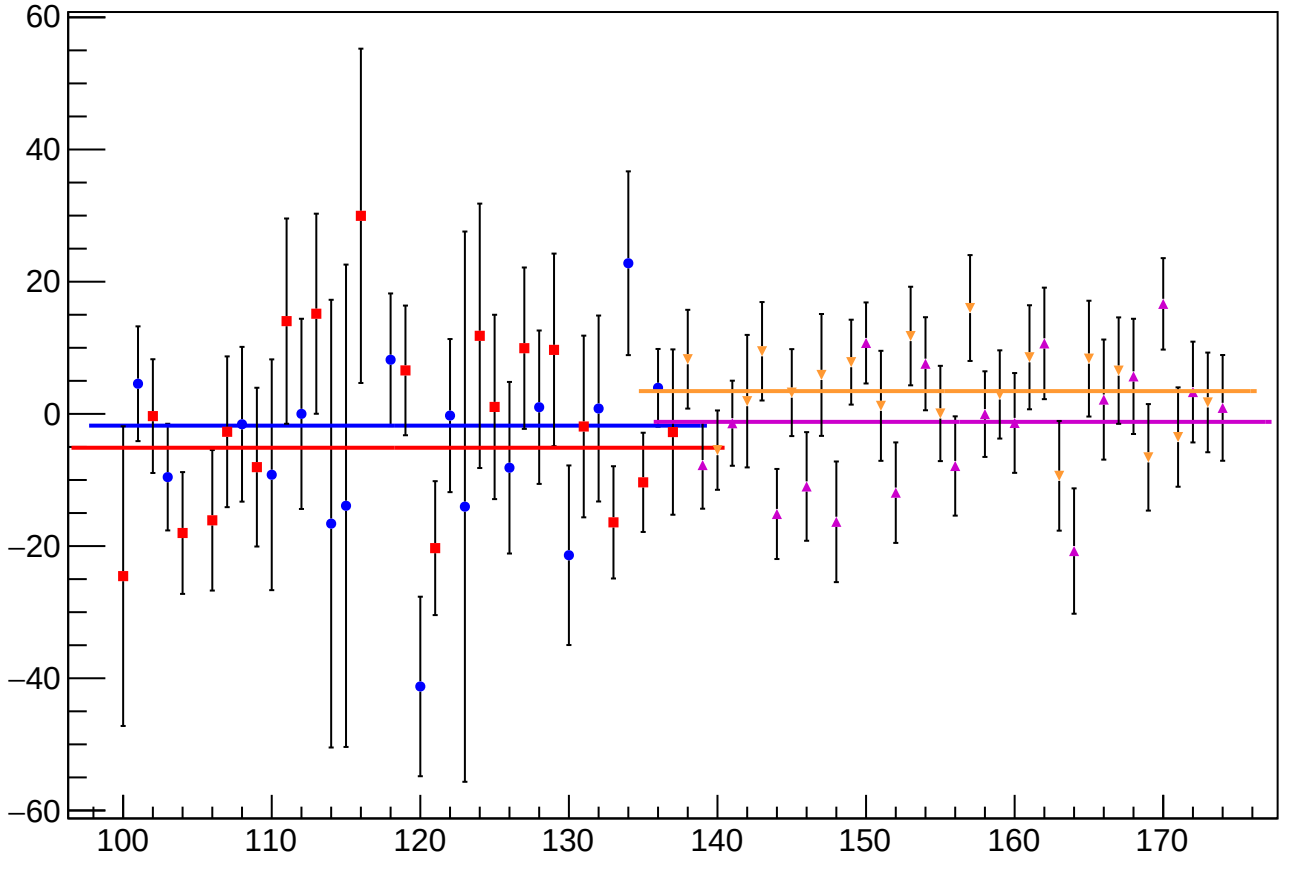
Left: 8818.616+/-1.182 χ^2/NDF: 706280.3/36

Right: 12859.864+/-2.509 χ^2/NDF: 1057685.3/35

In: 9533.732+/-1.519 χ^2/NDF:1818807.7/34

Out: 9570.465+/-1.505 χ^2/NDF:2067779.1/37

All: 9552.272+/-1.069 χ^2/NDF: 3886881.8/72



Right In: -1.777+/-2.806 χ^2/NDF: 18.0/16

Left Out: 3.446+/-1.735 χ^2/NDF:13.6/18

Right Out: -5.122+/-2.642 χ^2/NDF: 18.9/18

Left In: -1.206+/-1.760 χ^2/NDF:31.5/17

Left: 1.154+/-1.236 χ^2/NDF: 48.7/36

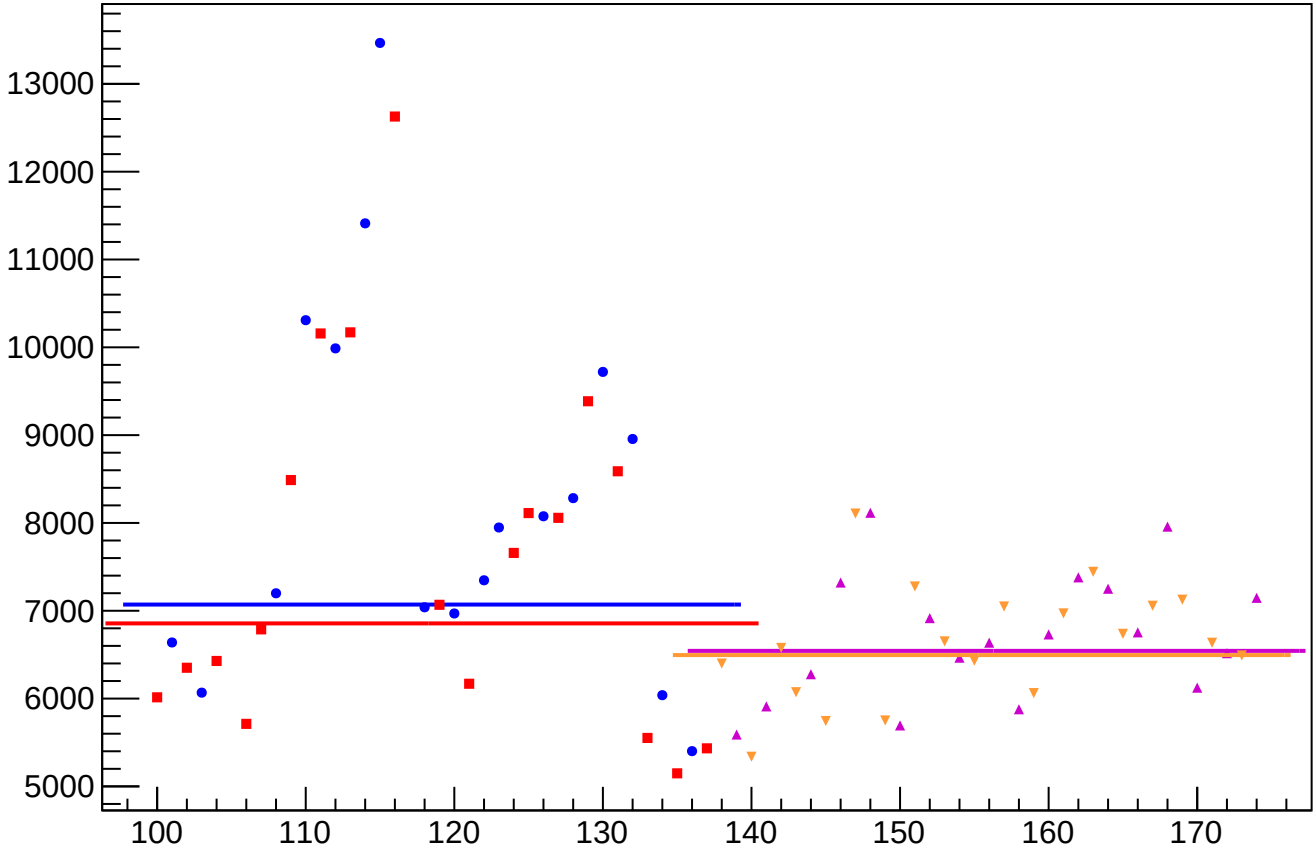
Right: -3.550+/-1.923 χ^2/NDF: 37.6/35

In: -1.367+/-1.491 χ^2/NDF:49.6/34

Out: 0.864+/-1.450 χ^2/NDF:39.8/37

All: -0.220+/-1.040 χ^2/NDF: 90.5/72

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672+/-1.984 χ^2/NDF: 601692.5/16

Left Out: 6495.451+/-1.227 χ^2/NDF:289606.1/18

Right Out: 6856.136+/-1.868 χ^2/NDF: 682220.3/18

Left In: 6543.319+/-1.245 χ^2/NDF:310641.5/17

Left: 6519.038+/-0.874 χ^2/NDF: 600997.9/36

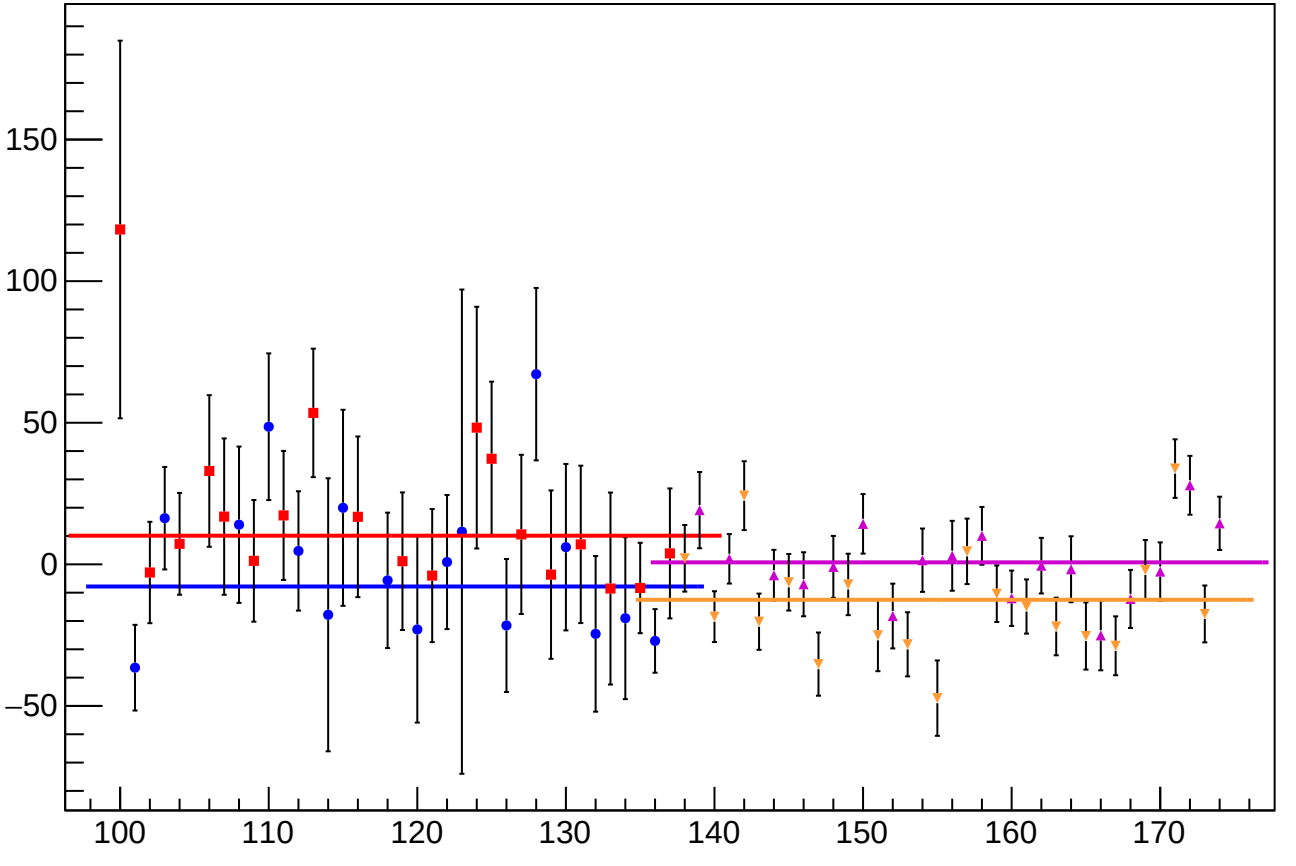
Right: 6956.947+/-1.360 χ^2/NDF: 1290110.2/35

In: 6692.235+/-1.054 χ^2/NDF:963027.5/34

Out: 6604.121+/-1.025 χ^2/NDF:997873.5/37

All: 6646.950+/-0.735 χ^2/NDF: 1964490.2/72

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825+/-5.516 χ^2/NDF: 22.3/16

Left Out: -12.514+/-2.458 χ^2/NDF:54.3/18

Right Out: 10.117+/-5.571 χ^2/NDF: 12.2/18

Left In: 0.699+/-2.481 χ^2/NDF:24.7/17

Left: -5.969+/-1.746 χ^2/NDF: 93.4/36

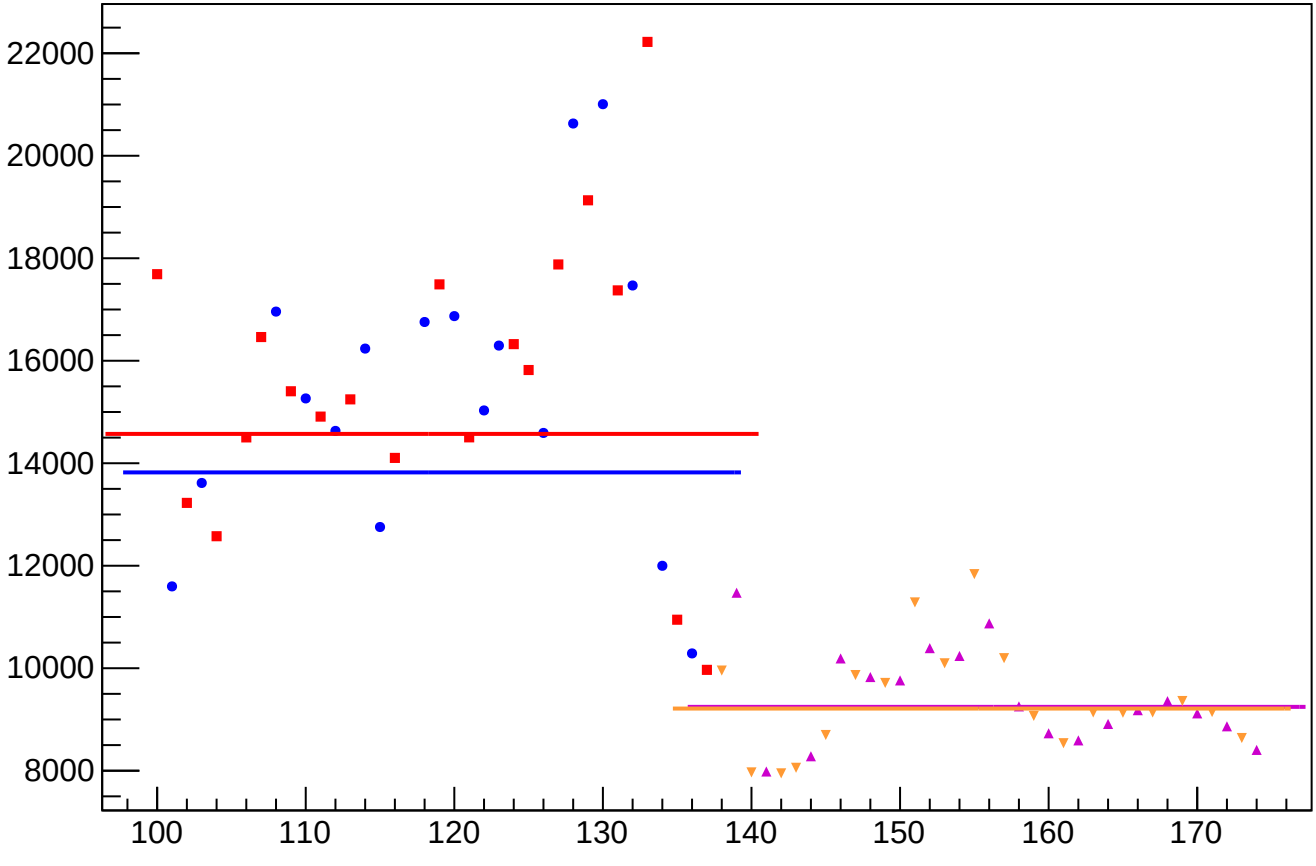
Right: 1.056+/-3.920 χ^2/NDF: 39.7/35

In: -0.736+/-2.263 χ^2/NDF:49.0/34

Out: -8.825+/-2.249 χ^2/NDF:80.3/37

All: -4.805+/-1.595 χ^2/NDF: 135.7/72

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: 9246.134+/-1.755 χ^2/NDF:249963.7/17

Left: 9229.456+/-1.235 χ^2/NDF: 537266.6/36

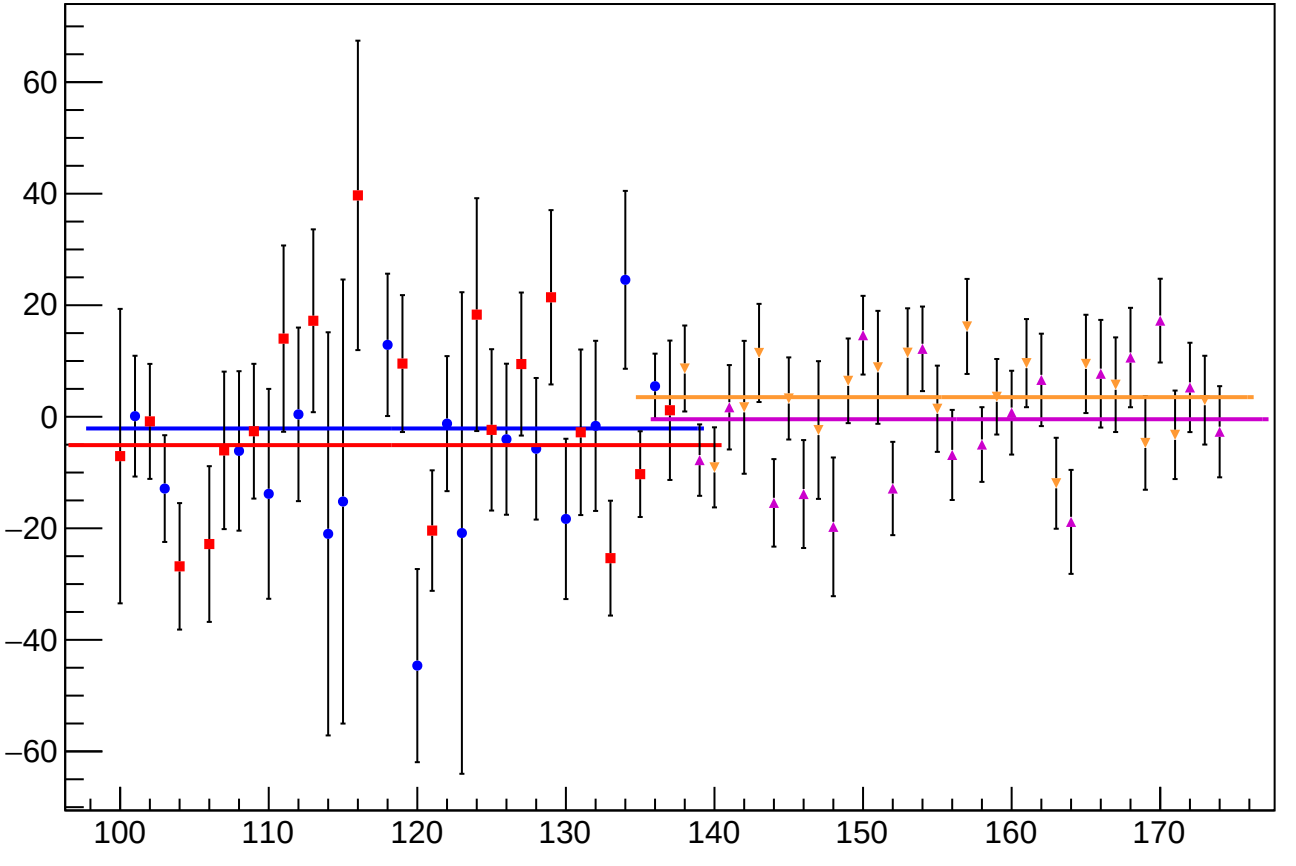
Right: 14193.062+/-2.772 χ^2/NDF: 1093505.5/35

In: 10016.187+/-1.600 χ^2/NDF:1997021.5/34

Out: 10086.577+/-1.590 χ^2/NDF:2308751.5/37

All: 10051.596+/-1.128 χ^2/NDF: 4306746.5/7

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: -0.443+/-1.890 χ^2/NDF:33.0/17

Left: 1.537+/-1.336 χ^2/NDF: 49.9/36

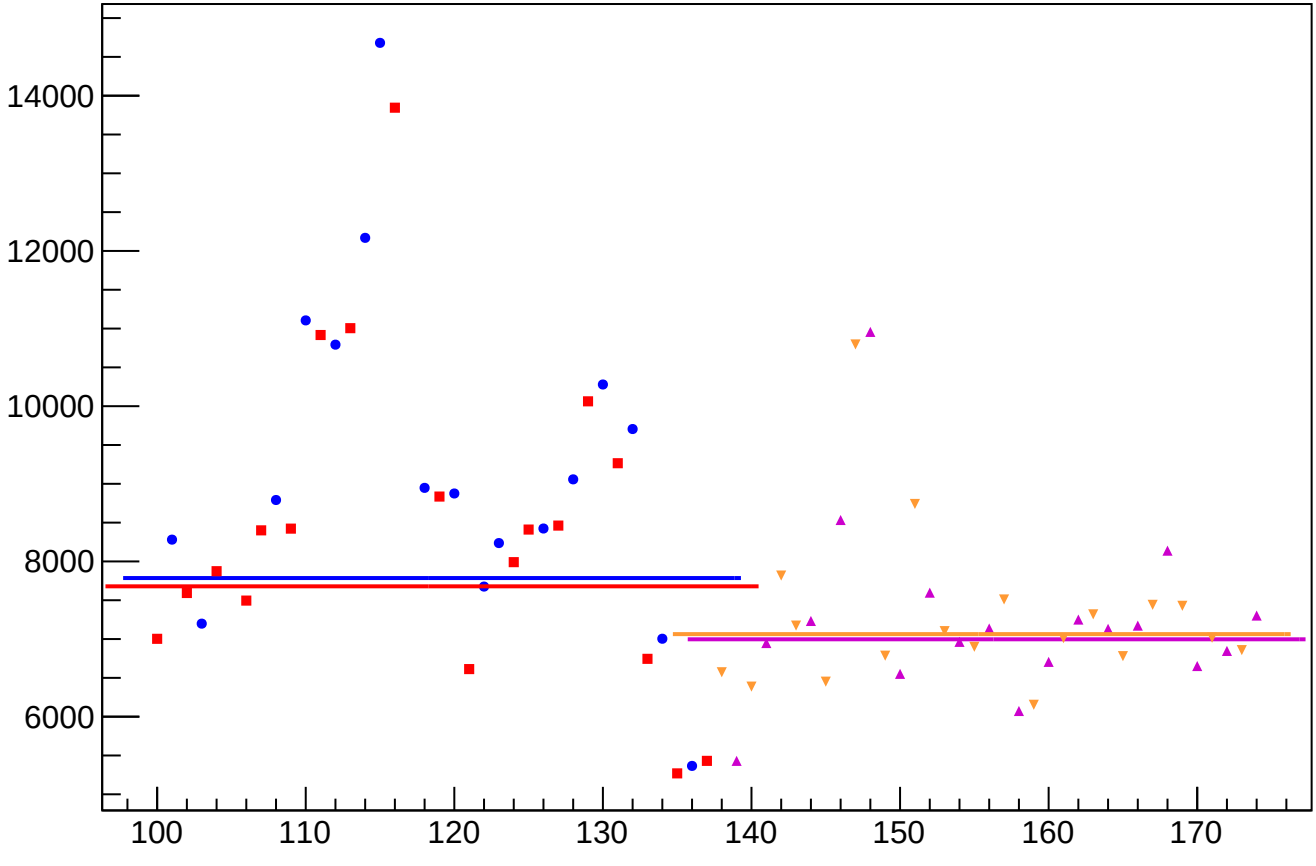
Right: -3.662+/-2.144 χ^2/NDF: 40.9/35

In: -0.890+/-1.615 χ^2/NDF:48.9/34

Out: 1.029+/-1.593 χ^2/NDF:45.4/37

All: 0.083+/-1.134 χ^2/NDF: 95.0/72

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931+/-2.197 χ^2/NDF: 738101.9/16

Left Out: 7063.557+/-1.336 χ^2/NDF:344101.1/18

Right Out: 7679.182+/-2.095 χ^2/NDF: 668736.8/18

Left In: 6996.731+/-1.336 χ^2/NDF:478141.0/17

Left: 7030.148+/-0.945 χ^2/NDF: 823492.6/36

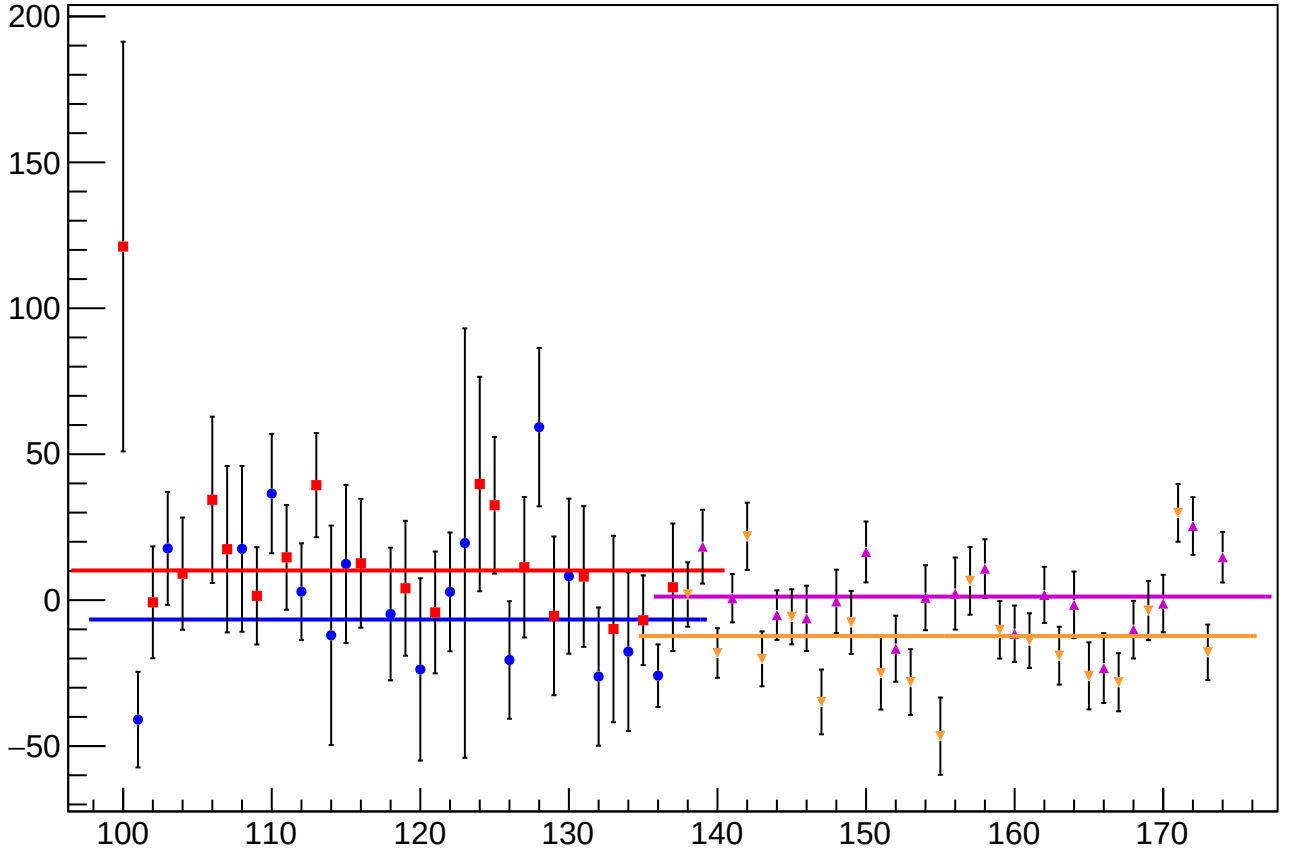
Right: 7730.020+/-1.516 χ^2/NDF: 1408075.7/35

In: 7209.912+/-1.142 χ^2/NDF:1310457.4/34

Out: 7241.618+/-1.126 χ^2/NDF:1074236.4/37

All: 7225.977+/-0.802 χ^2/NDF: 2385084.6/72

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: 1.219+/-2.404 χ^2/NDF:24.2/17

Left: -5.607+/-1.691 χ^2/NDF: 92.7/36

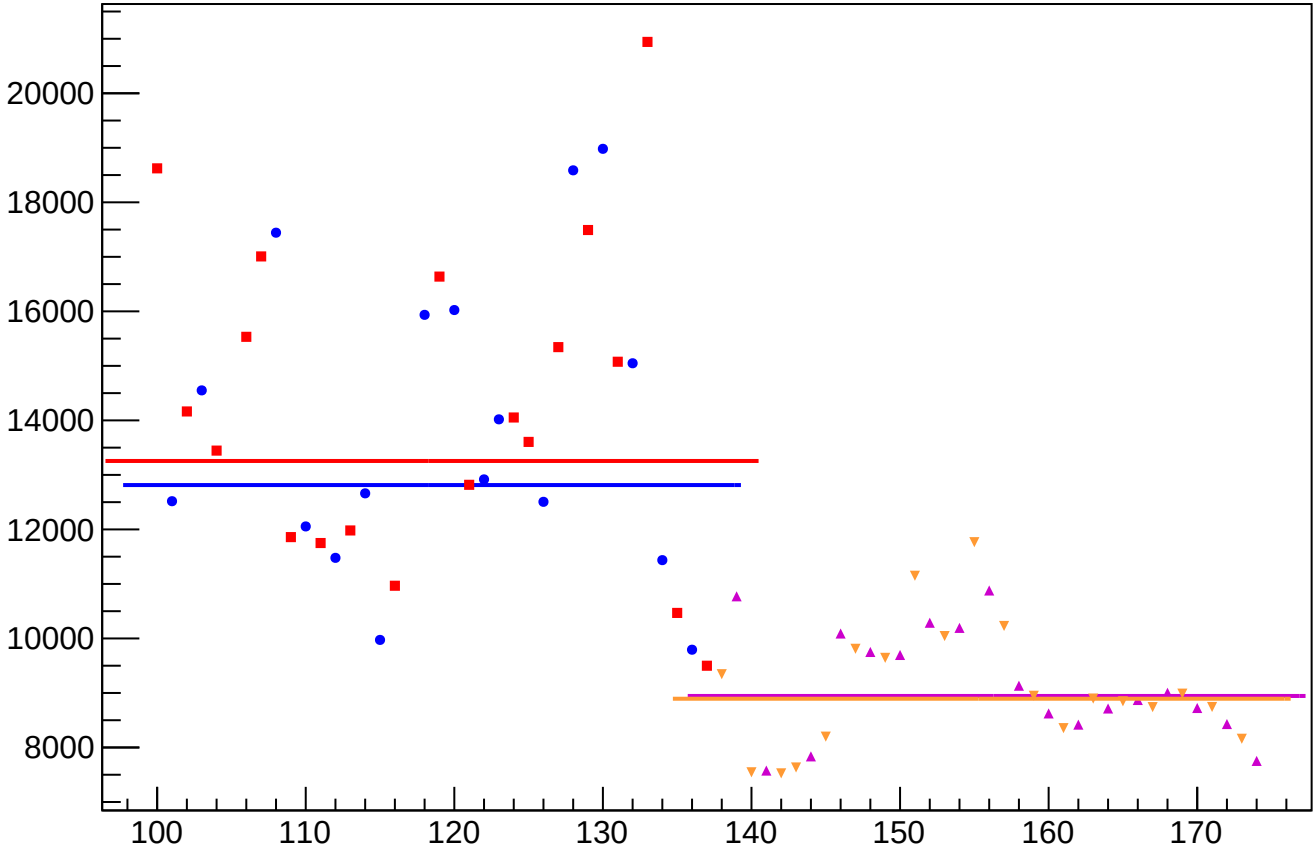
Right: 1.813+/-3.598 χ^2/NDF: 39.7/35

In: -0.209+/-2.175 χ^2/NDF:49.5/34

Out: -8.239+/-2.153 χ^2/NDF:79.5/37

All: -4.265+/-1.530 χ^2/NDF: 135.9/72

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: 8945.049+/-1.700 χ^2/NDF:329240.4/17

Left: 8919.334+/-1.195 χ^2/NDF: 708087.4/36

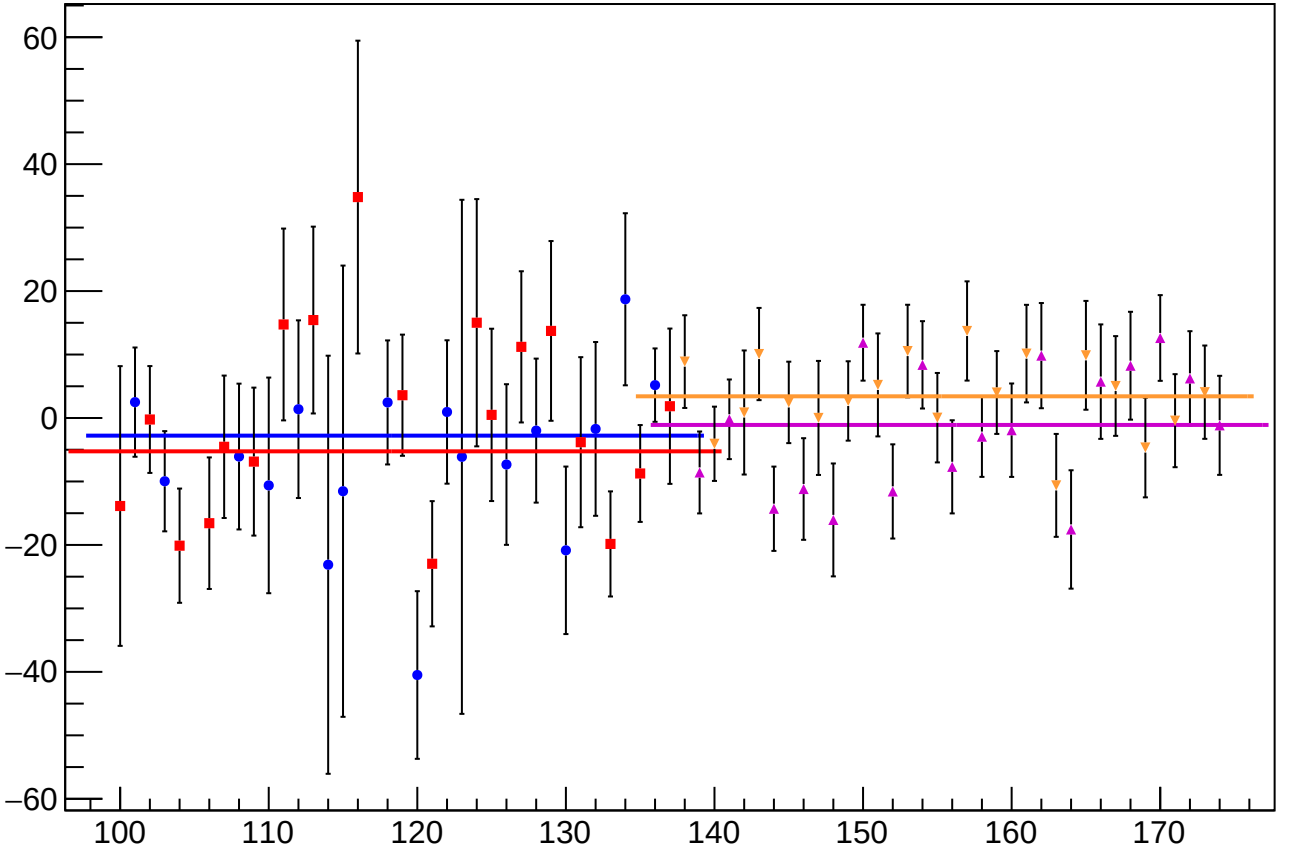
Right: 13035.784+/-2.544 χ^2/NDF: 1039954.9/35

In: 9648.296+/-1.538 χ^2/NDF:1818516.4/34

Out: 9679.157+/-1.522 χ^2/NDF:2074002.1/37

All: 9663.884+/-1.082 χ^2/NDF: 3892721.9/72

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: -1.093+/-1.720 χ^2/NDF:31.0/17

Left: 1.197+/-1.207 χ^2/NDF: 46.4/36

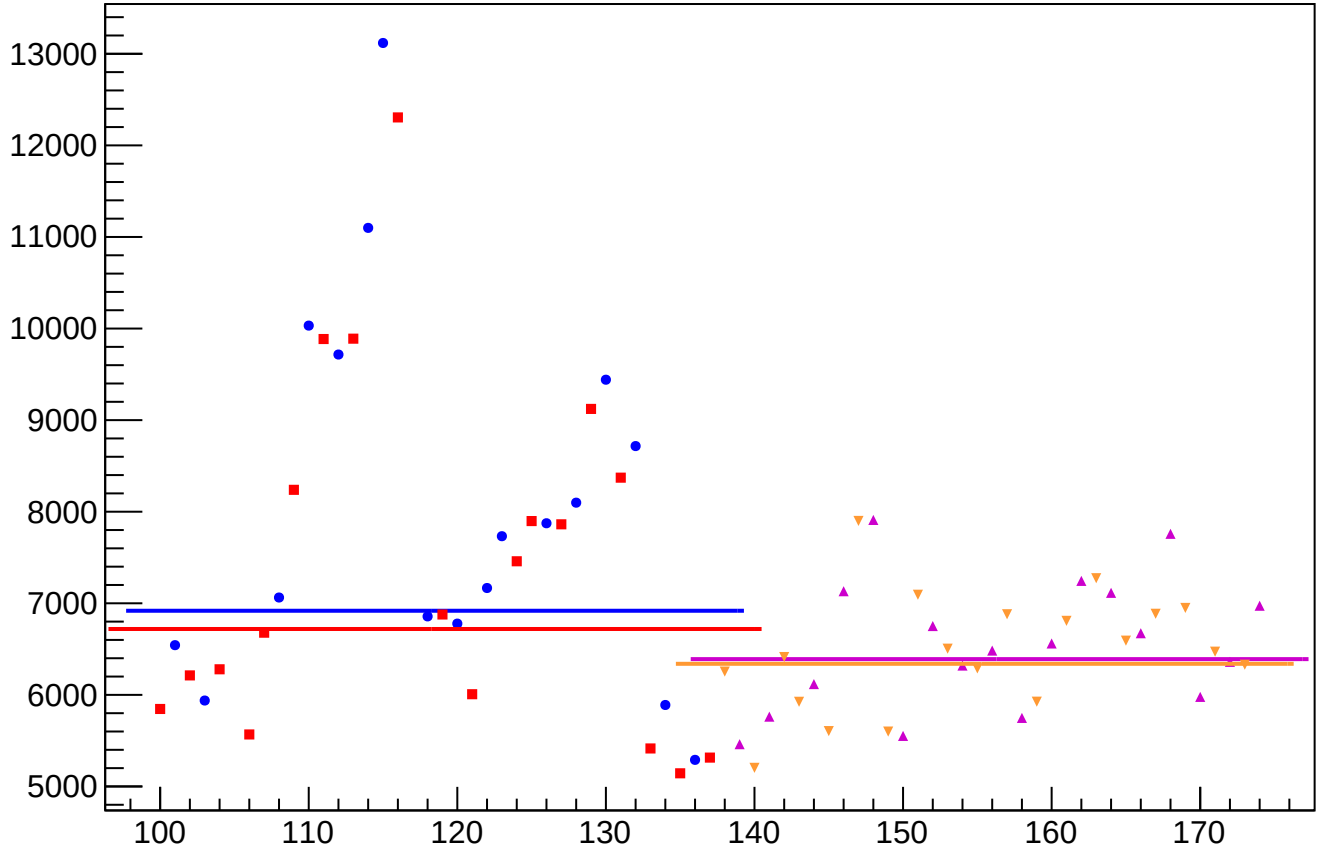
Right: -4.088+/-1.884 χ^2/NDF: 41.0/35

In: -1.567+/-1.458 χ^2/NDF:48.2/34

Out: 0.821+/-1.417 χ^2/NDF:43.4/37

All: -0.339+/-1.016 χ^2/NDF: 93.0/72

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554+/-1.943 χ^2/NDF: 587976.6/16

Left Out: 6339.248+/-1.197 χ^2/NDF:290977.2/18

Right Out: 6719.404+/-1.831 χ^2/NDF: 653831.7/18

Left In: 6390.423+/-1.216 χ^2/NDF:312390.4/17

Left: 6364.437+/-0.853 χ^2/NDF: 604266.9/36

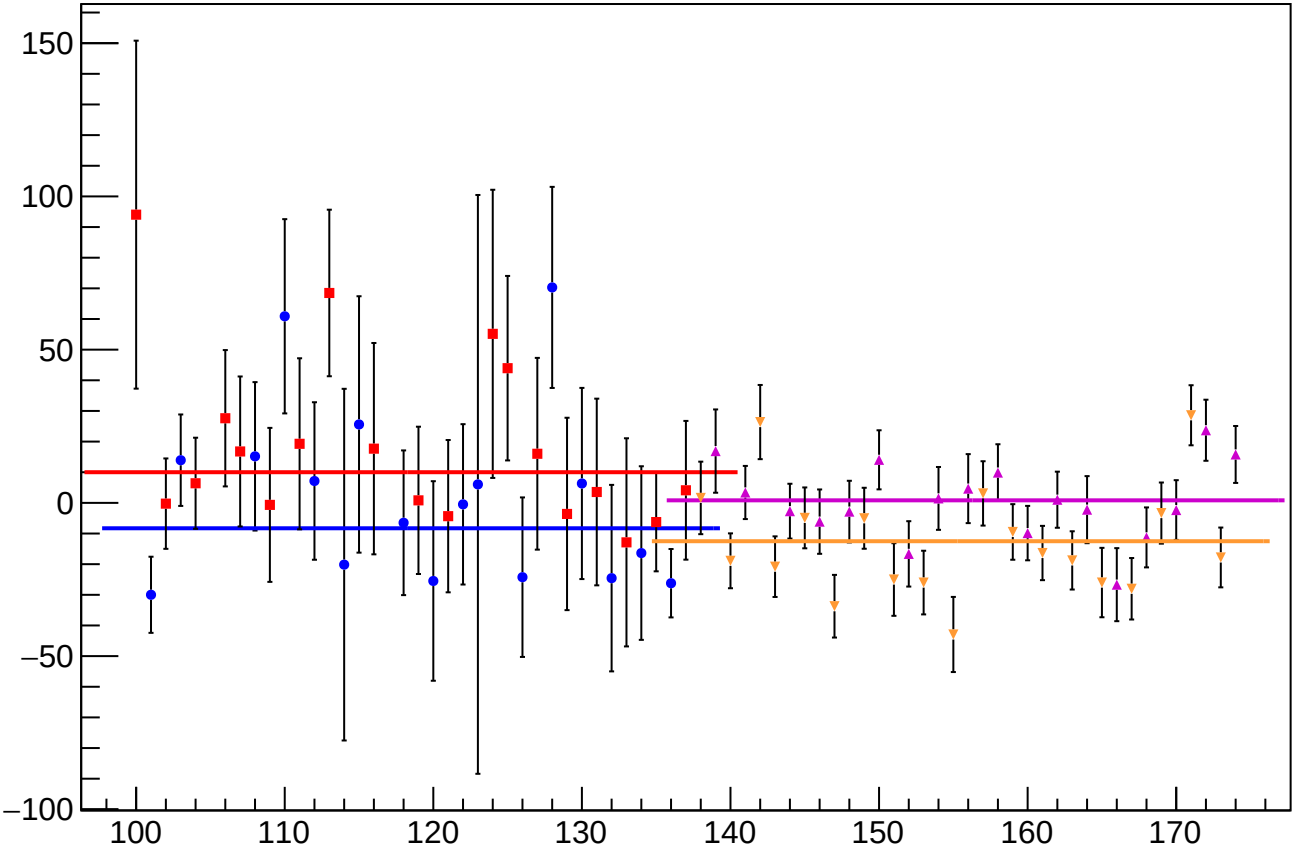
Right: 6813.106+/-1.332 χ^2/NDF: 1247373.6/35

In: 6539.115+/-1.031 χ^2/NDF:953474.4/34

Out: 6453.089+/-1.002 χ^2/NDF:975002.4/37

All: 6494.889+/-0.718 χ^2/NDF: 1932058.0/72

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: 0.831+/-2.347 χ^2/NDF:24.2/17

Left: -5.872+/-1.656 χ^2/NDF: 93.3/36

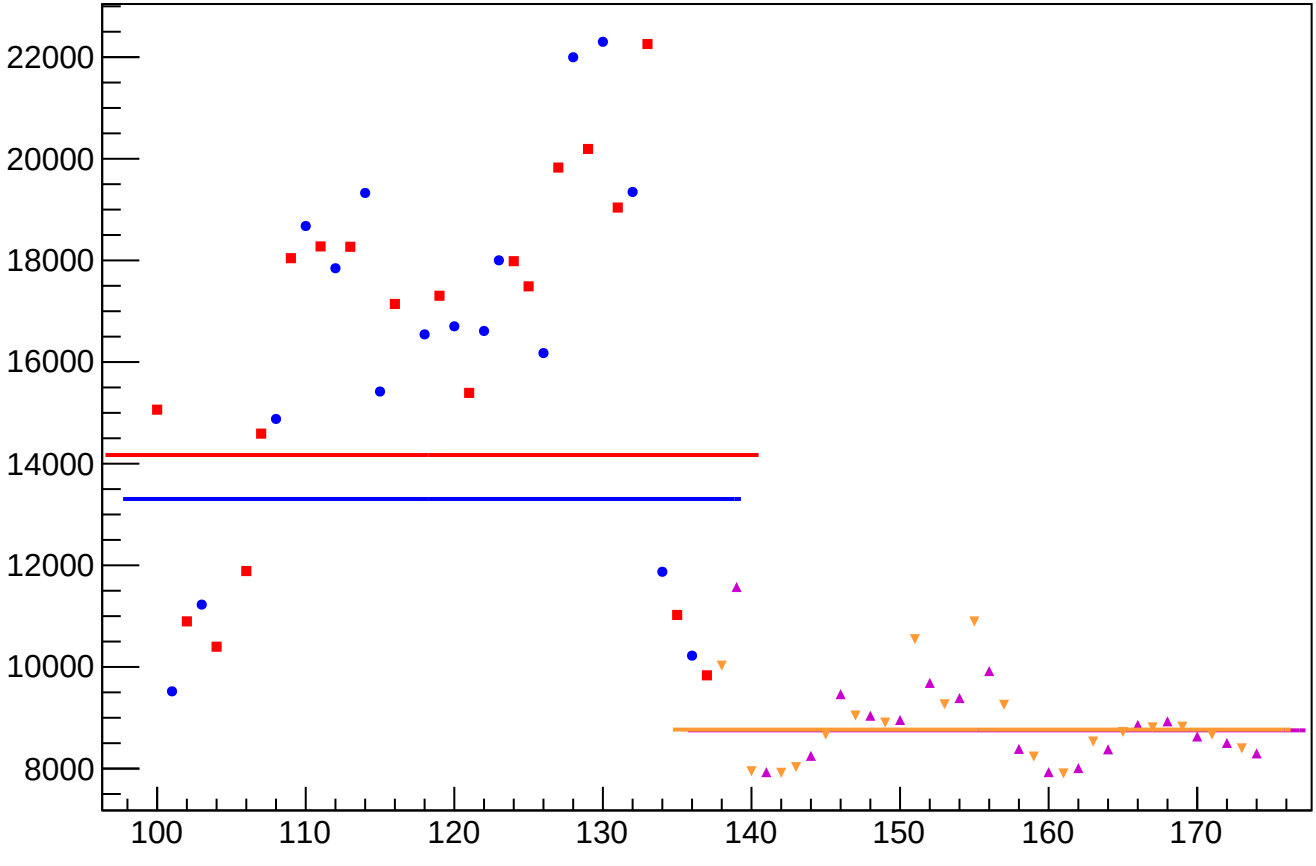
Right: 0.688+/-3.861 χ^2/NDF: 40.2/35

In: -0.614+/-2.153 χ^2/NDF:48.3/34

Out: -9.082+/-2.151 χ^2/NDF:79.9/37

All: -4.853+/-1.522 χ^2/NDF: 136.0/72

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410+/-3.826 χ^2/NDF: 1044091.1/16

Left Out: 8767.035+/-1.652 χ^2/NDF:207040.3/18

Right Out: 14170.668+/-3.898 χ^2/NDF: 930612.1/18

Left In: 8752.496+/-1.660 χ^2/NDF:209535.7/17

Left: 8759.802+/-1.171 χ^2/NDF: 416614.5/36

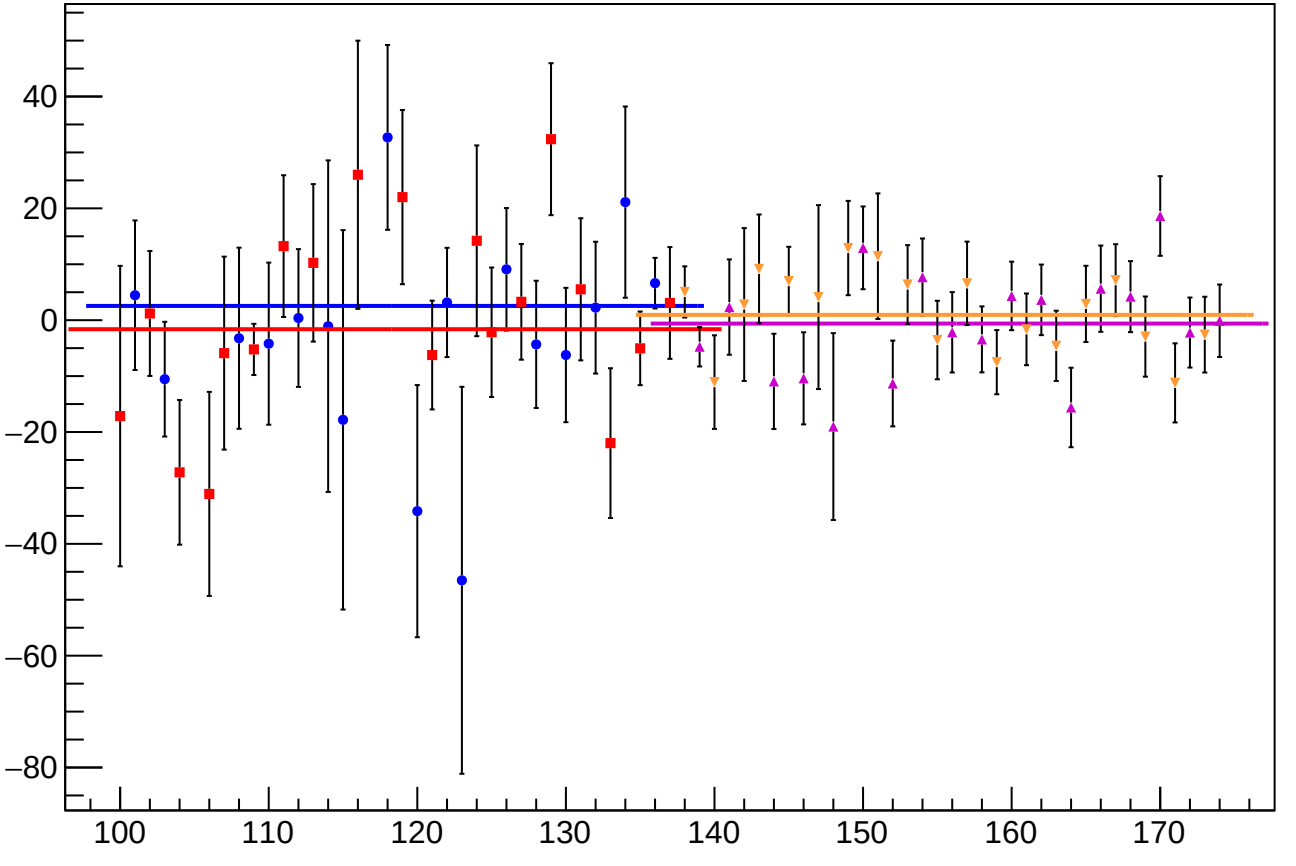
Right: 13729.884+/-2.730 χ^2/NDF: 1999799.5/35

In: 9473.827+/-1.523 χ^2/NDF:2445640.2/34

Out: 9589.395+/-1.521 χ^2/NDF:2766617.1/37

All: 9531.684+/-1.076 χ^2/NDF: 5215141.1/72

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551+/-2.757 χ^2/NDF: 13.6/16

Left Out: 0.952+/-1.632 χ^2/NDF:16.7/18

Right Out: -1.613+/-2.442 χ^2/NDF: 24.0/18

Left In: -0.608+/-1.557 χ^2/NDF:26.8/17

Left: 0.136+/-1.127 χ^2/NDF: 44.0/36

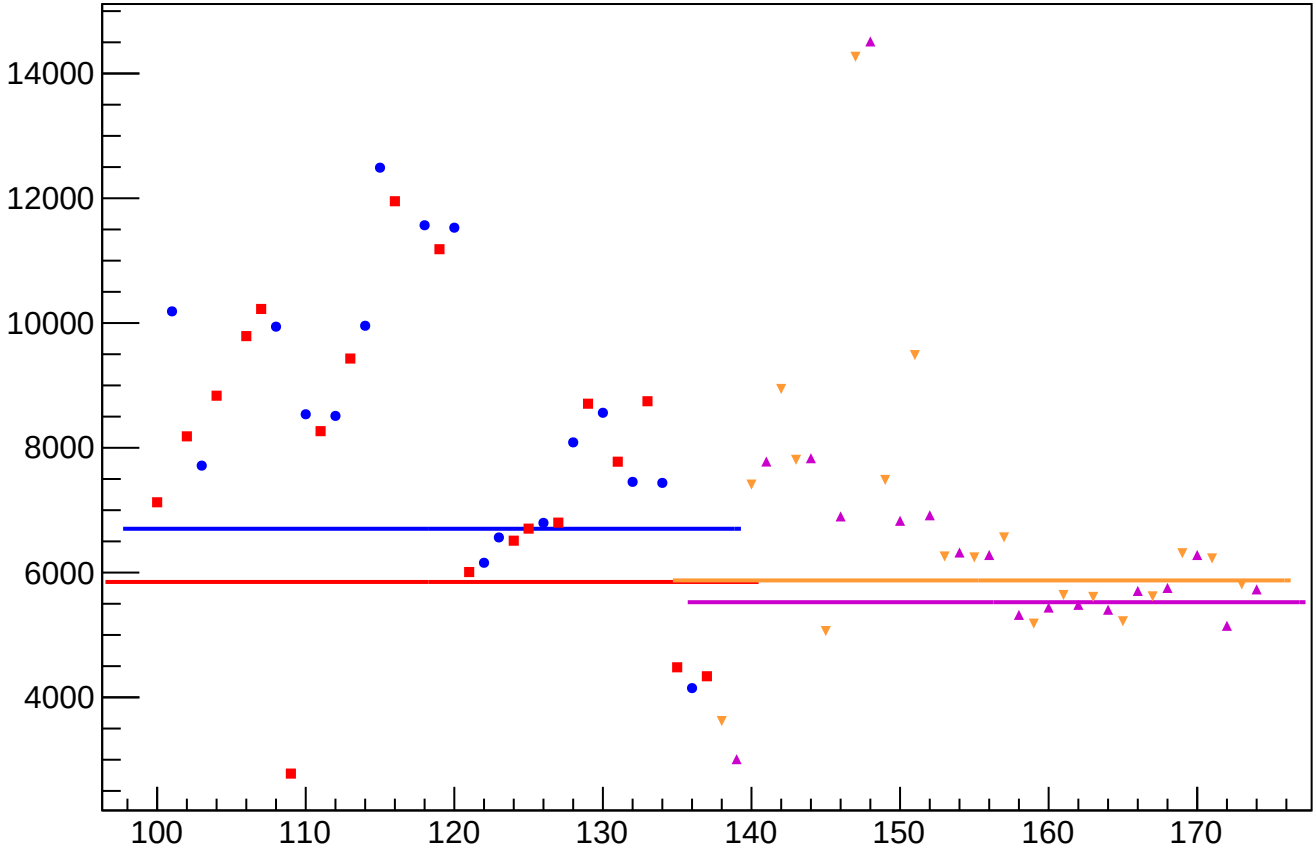
Right: 0.218+/-1.828 χ^2/NDF: 38.9/35

In: 0.156+/-1.356 χ^2/NDF:41.4/34

Out: 0.160+/-1.357 χ^2/NDF:41.5/37

All: 0.158+/-0.959 χ^2/NDF: 82.9/72

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: 5525.210+/-1.101 χ^2/NDF:2151019.3/17

Left: 5691.519+/-0.797 χ^2/NDF: 3864546.1/36

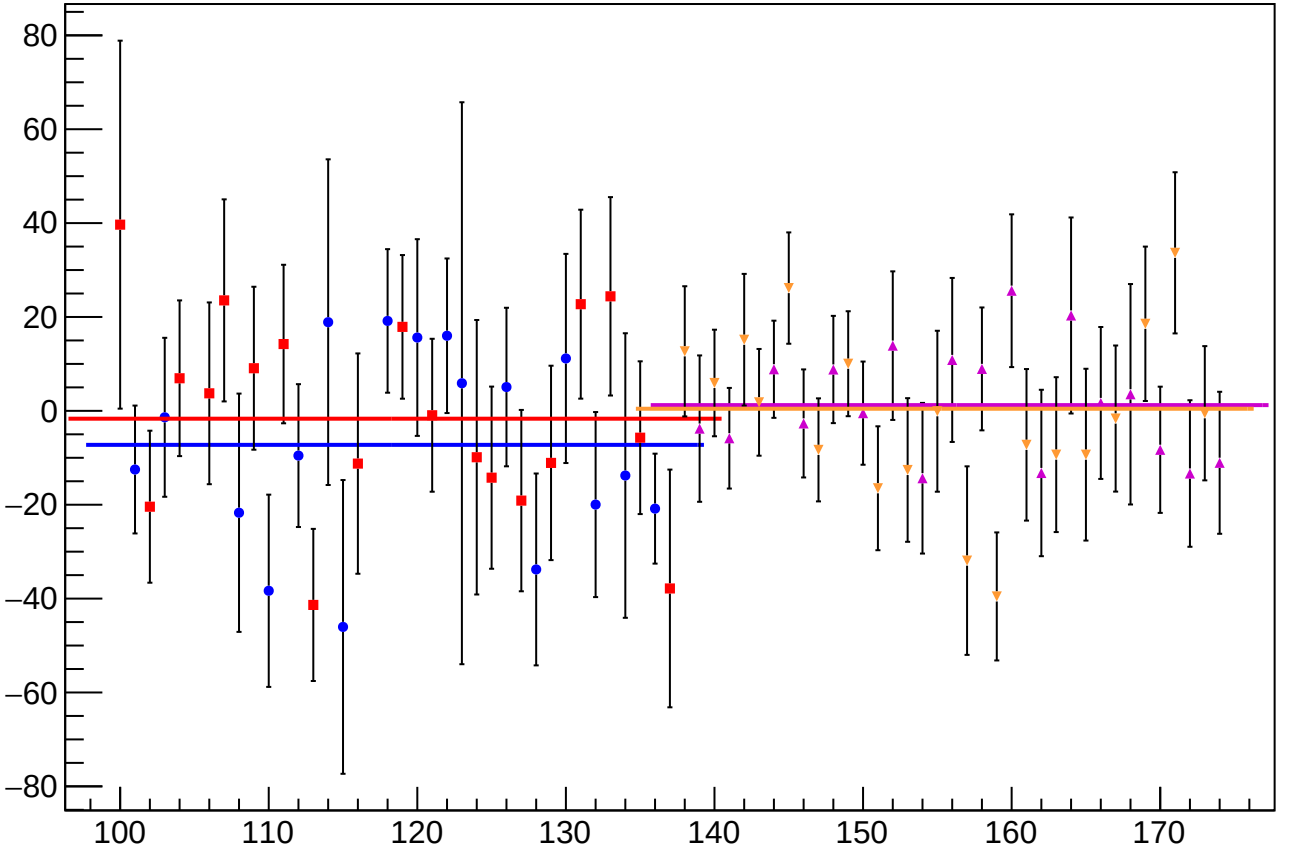
Right: 6224.538+/-1.293 χ^2/NDF: 3775609.7/35

In: 5809.922+/-0.959 χ^2/NDF:3817372.8/34

Out: 5866.580+/-0.959 χ^2/NDF:3944266.3/37

All: 5838.230+/-0.678 χ^2/NDF: 7763384.2/72

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: 1.223+/-3.306 χ^2/NDF:9.7/17

Left: 0.824+/-2.303 χ^2/NDF: 37.3/36

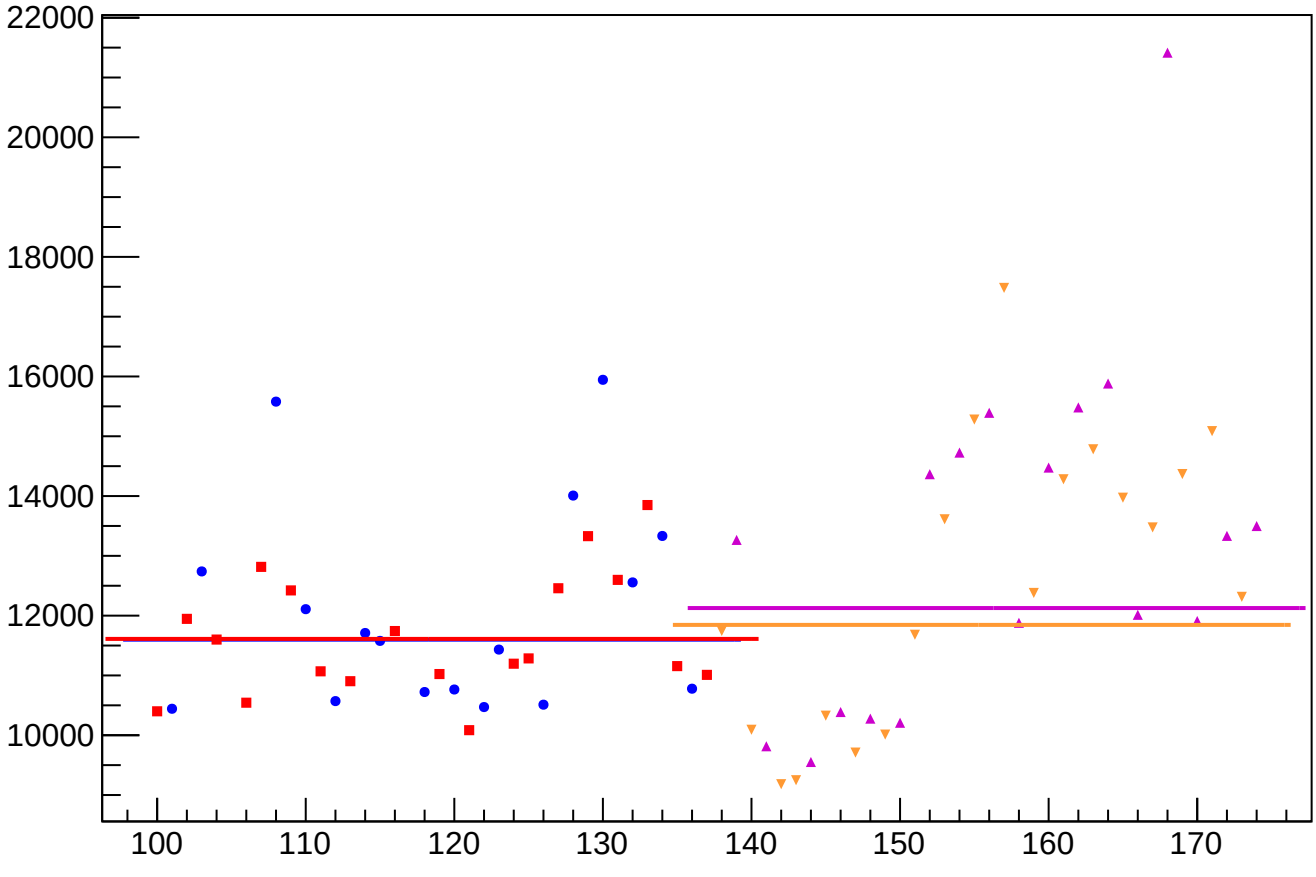
Right: -4.349+/-3.152 χ^2/NDF: 36.6/35

In: -1.705+/-2.674 χ^2/NDF:27.9/34

Out: -0.294+/-2.588 χ^2/NDF:47.6/37

All: -0.976+/-1.859 χ^2/NDF: 75.7/72

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: 12126.956+/-2.338 χ^2/NDF:1069359.2/17

Left: 11981.995+/-1.628 χ^2/NDF: 2009558.8/36

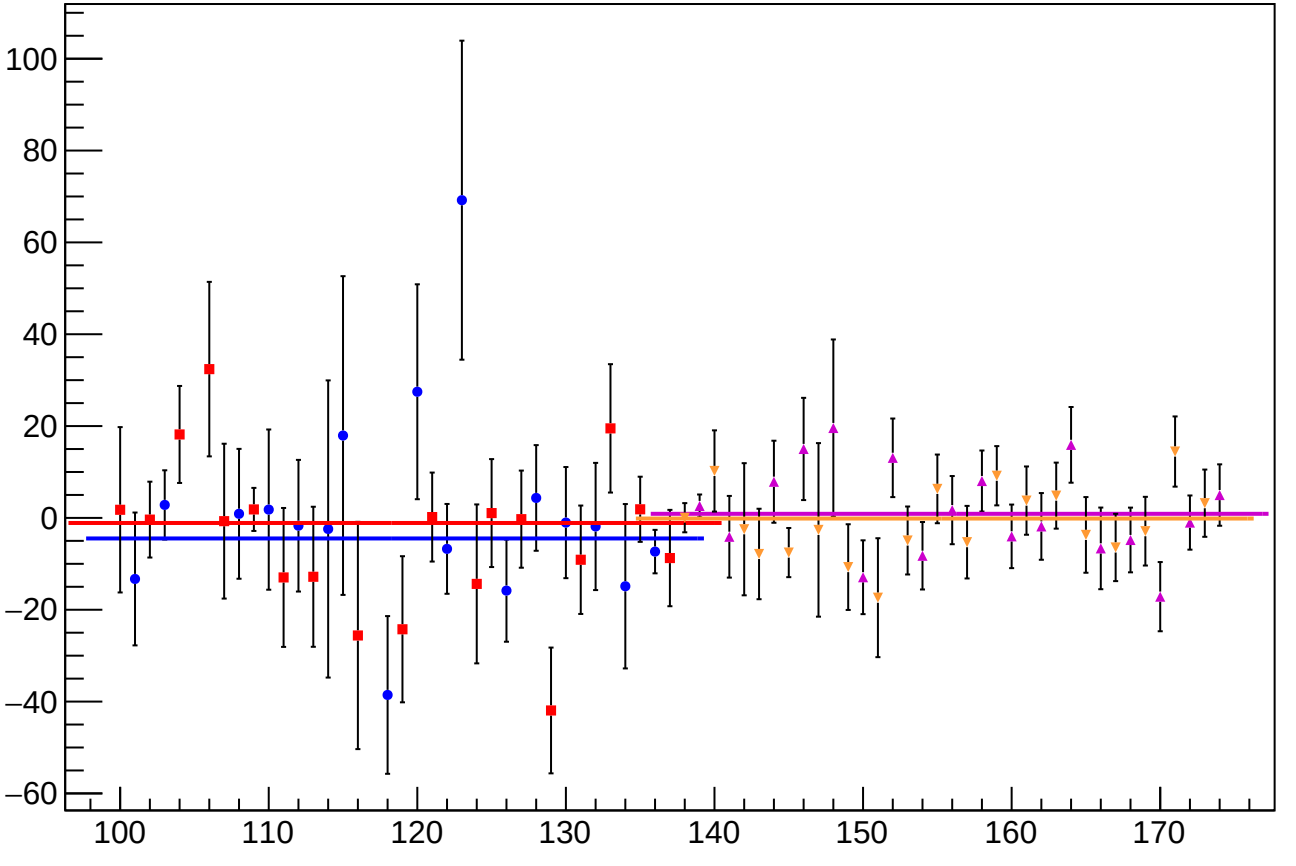
Right: 11605.084+/-2.229 χ^2/NDF: 329878.2/35

In: 11944.304+/-1.891 χ^2/NDF:1322439.7/34

Out: 11763.255+/-1.830 χ^2/NDF:1030908.5/37

All: 11850.815+/-1.315 χ^2/NDF: 2358083.2/7

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: 0.892+/-1.505 χ^2/NDF:23.2/17

Left: 0.413+/-1.101 χ^2/NDF: 39.8/36

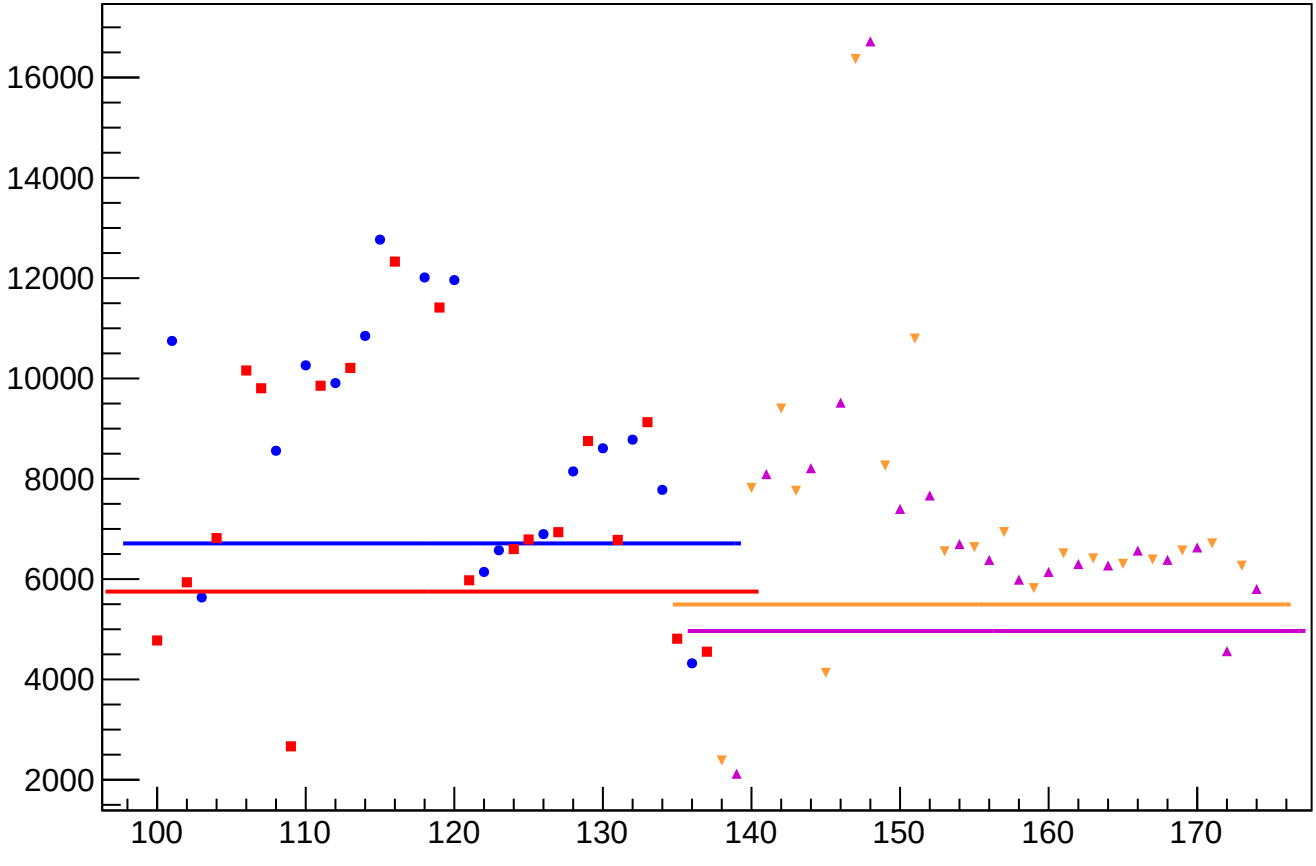
Right: -2.563+/-1.830 χ^2/NDF: 39.7/35

In: -0.323+/-1.324 χ^2/NDF:40.9/34

Out: -0.435+/-1.346 χ^2/NDF:40.5/37

All: -0.378+/-0.944 χ^2/NDF: 81.4/72

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550+/-1.967 χ^2/NDF: 1446972.0/16

Left Out: 5495.168+/-1.143 χ^2/NDF:4003375.2/18

Right Out: 5751.505+/-1.718 χ^2/NDF: 2165110.0/18

Left In: 4966.095+/-1.064 χ^2/NDF:5273058.2/17

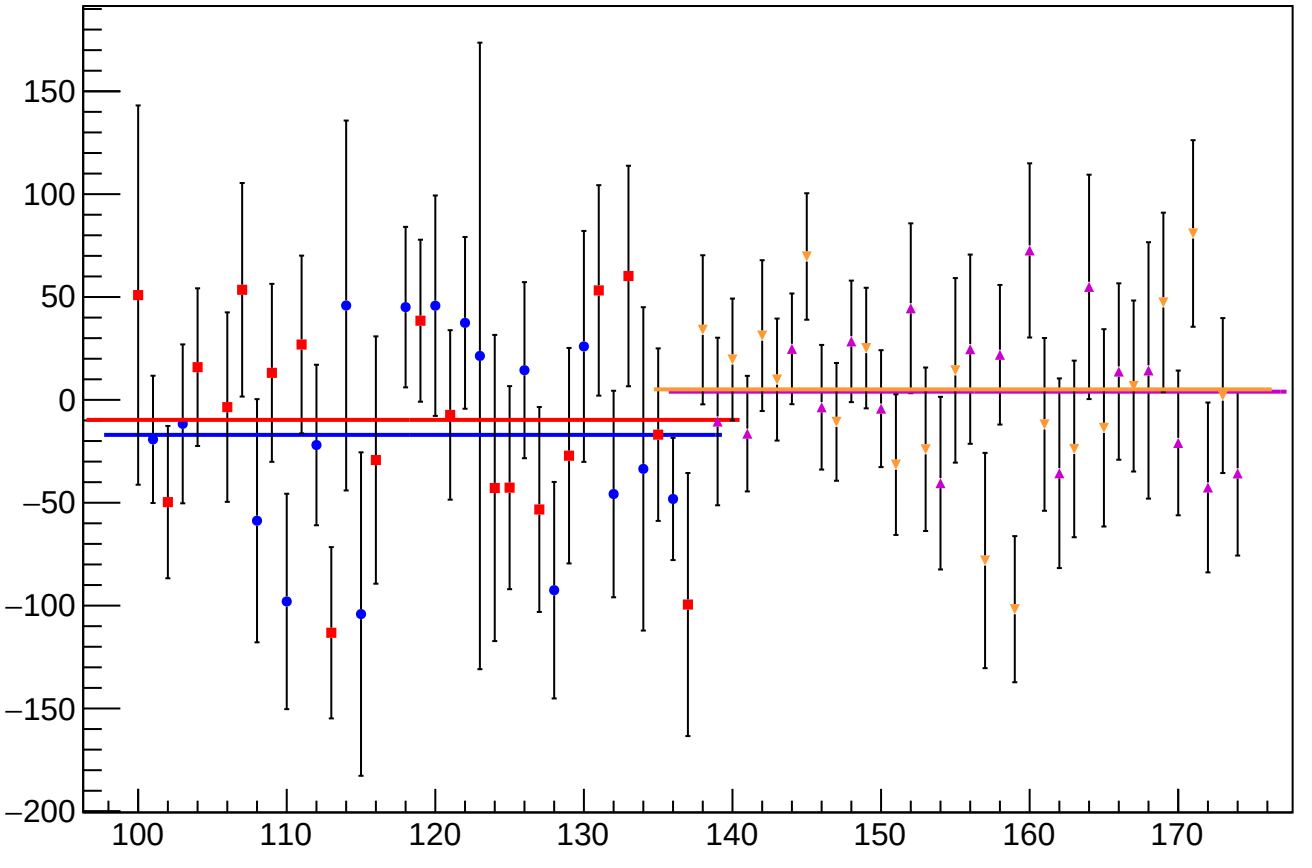
Left: 5211.729+/-0.779 χ^2/NDF: 9391208.9/36

Right: 6166.836+/-1.294 χ^2/NDF: 3747249.5/35

In: 5361.271+/-0.936 χ^2/NDF:7329207.9/34

Out: 5573.852+/-0.952 χ^2/NDF:6183922.5/37

All: 5465.797+/-0.667 χ^2/NDF: 13538498.2/7



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: 3.994+/-8.635 χ^2/NDF:11.7/17

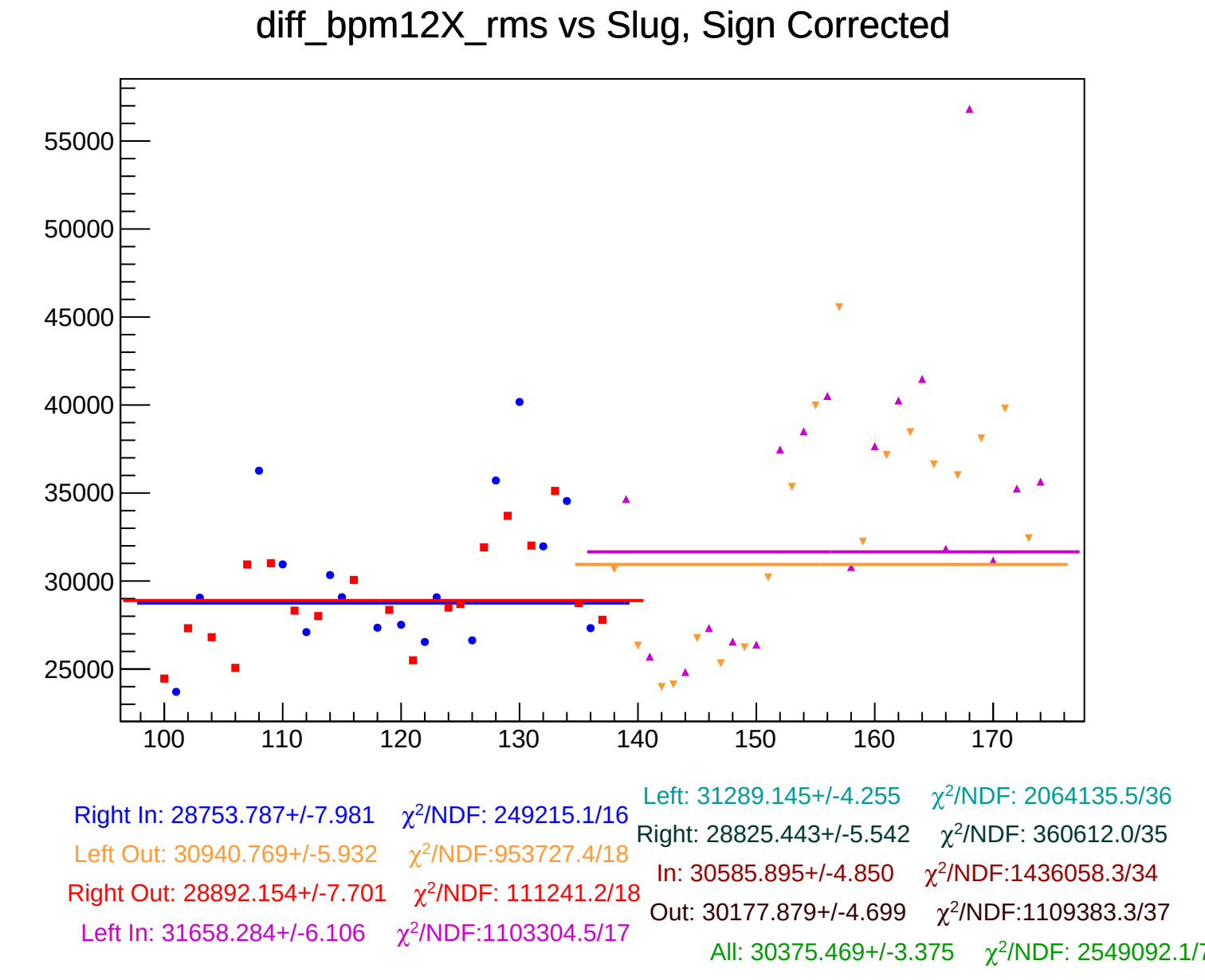
Left: 4.568+/-6.017 χ^2/NDF: 36.2/36

Right: -13.234+/-7.837 χ^2/NDF: 34.3/35

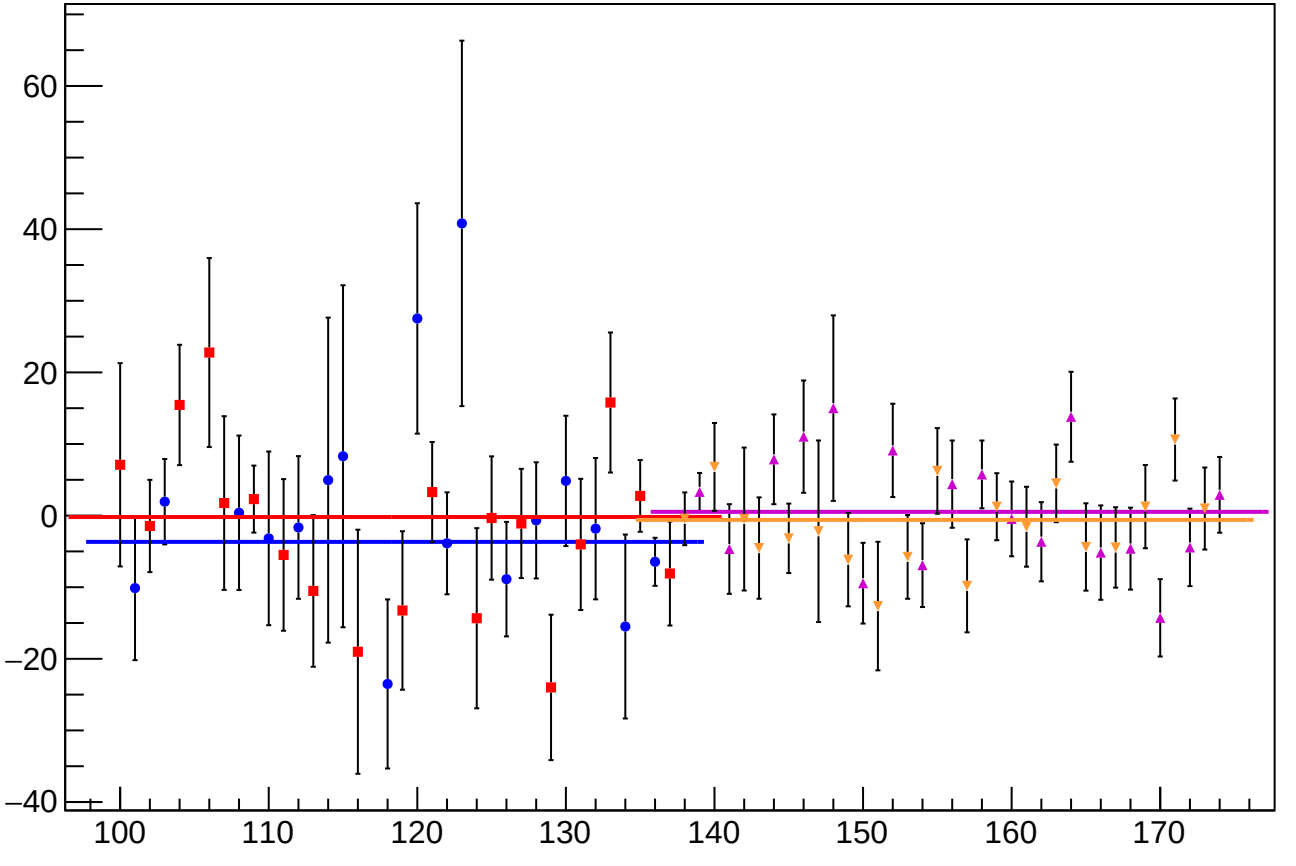
In: -3.761+/-6.858 χ^2/NDF:28.9/34

Out: -0.412+/-6.646 χ^2/NDF:44.6/37

All: -2.034+/-4.773 χ^2/NDF: 73.7/72


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
110
120
130
140
150
160
170
Right In: 28753.787+/-7.981 χ²/NDF: 249215.1/16
Left Out: 30940.769+/-5.932 χ²/NDF:953727.4/18
Right Out: 28892.154+/-7.701 χ²/NDF: 111241.2/18
Left In: 31658.284+/-6.106 χ²/NDF:1103304.5/17
Left: 31289.145+/-4.255 χ²/NDF: 2064135.5/36
Right: 28825.443+/-5.542 χ²/NDF: 360612.0/35
In: 30585.895+/-4.850 χ²/NDF:1436058.3/34
Out: 30177.879+/-4.699 χ²/NDF:1109383.3/37
All: 30375.469+/-3.375 χ²/NDF: 2549092.1/7

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: 0.526+/-1.266 χ^2/NDF:29.5/17

Left: -0.005+/-0.920 χ^2/NDF: 44.5/36

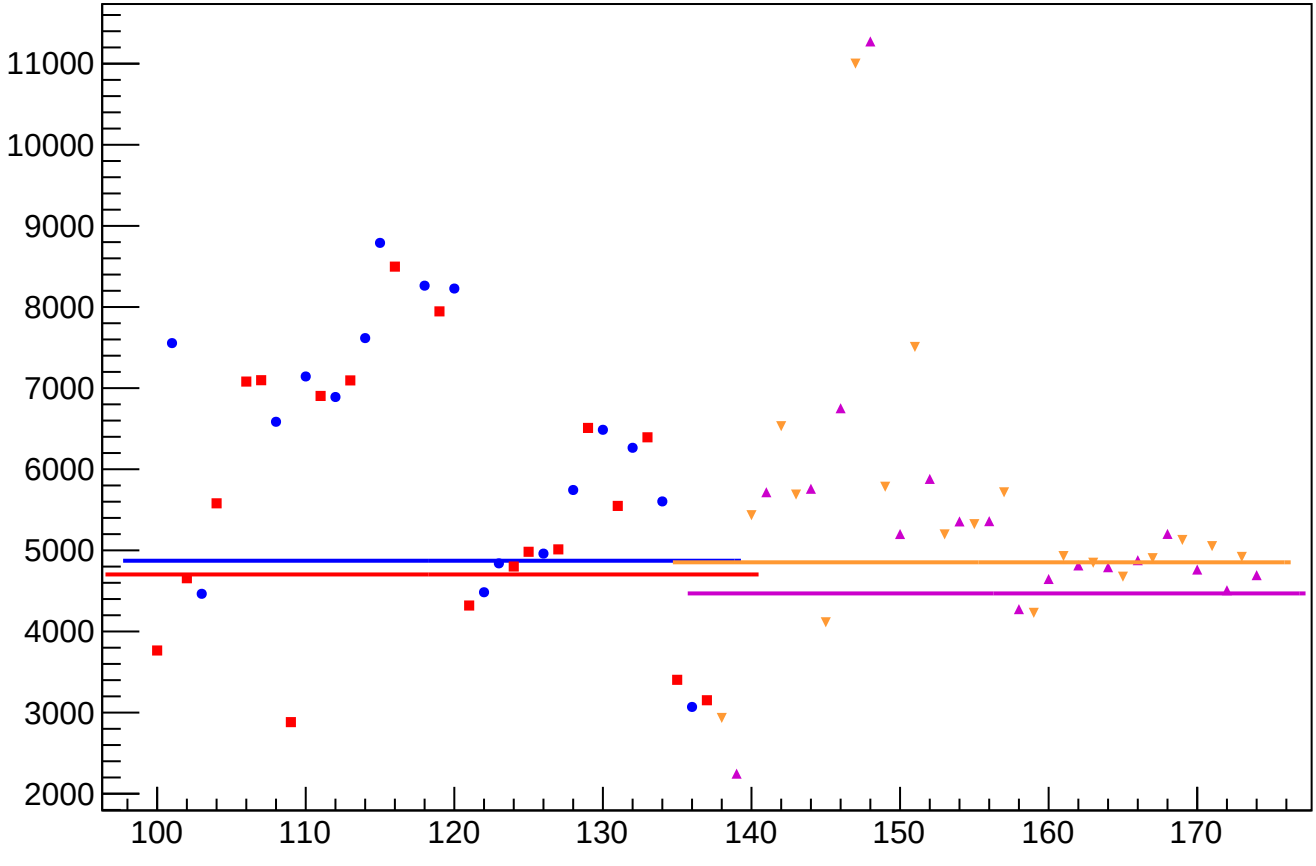
Right: -1.830+/-1.378 χ^2/NDF: 38.4/35

In: -0.665+/-1.071 χ^2/NDF:47.1/34

Out: -0.466+/-1.094 χ^2/NDF:37.0/37

All: -0.567+/-0.765 χ^2/NDF: 84.1/72

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: 4469.151+/-0.895 χ^2/NDF:2581005.7/17

Left: 4649.979+/-0.651 χ^2/NDF: 4144153.8/36

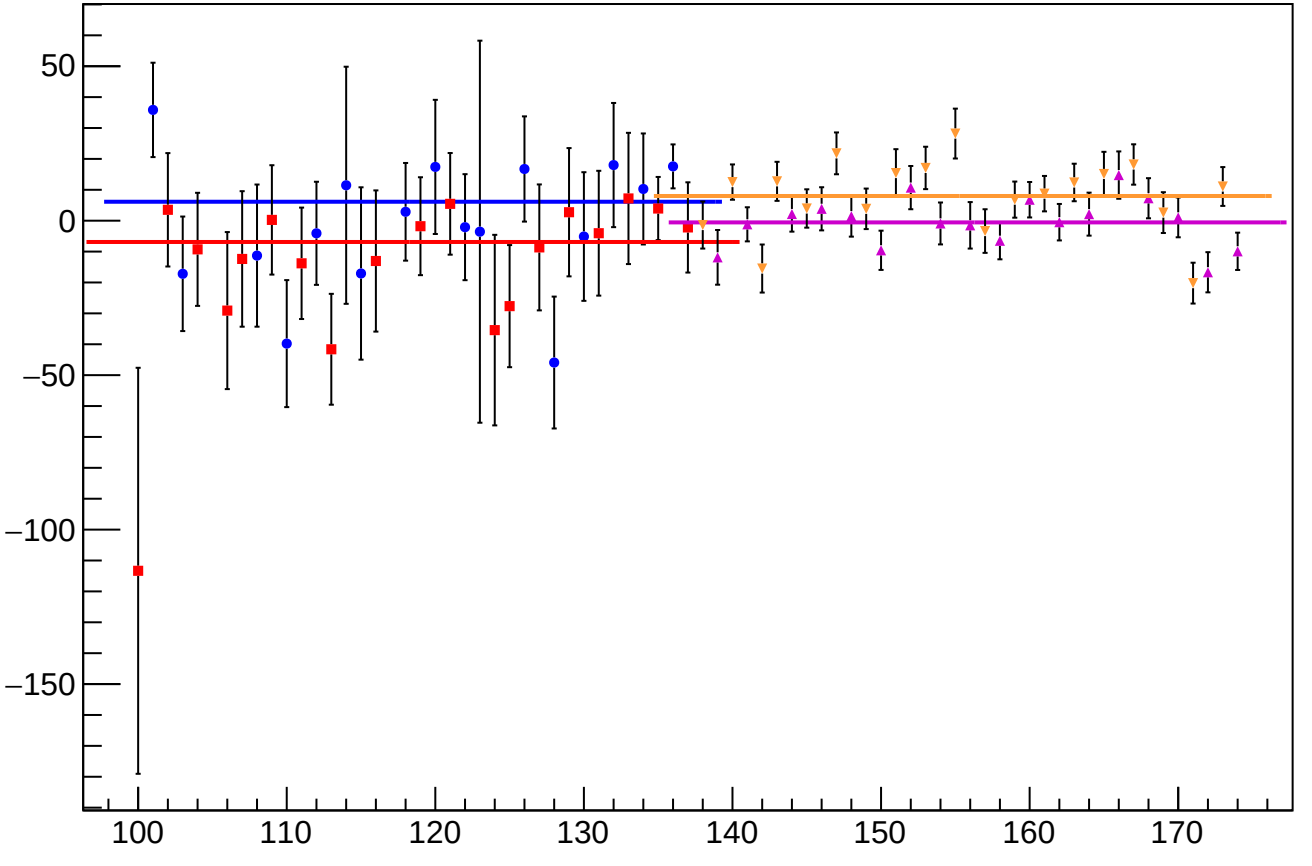
Right: 4782.480+/-0.974 χ^2/NDF: 2725478.8/35

In: 4583.582+/-0.757 χ^2/NDF:4043825.8/34

Out: 4802.696+/-0.773 χ^2/NDF:2797618.2/37

All: 4690.845+/-0.541 χ^2/NDF: 6882423.5/72

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: -0.556+/-1.529 χ^2/NDF:23.8/17

Left: 3.753+/-1.077 χ^2/NDF: 91.0/36

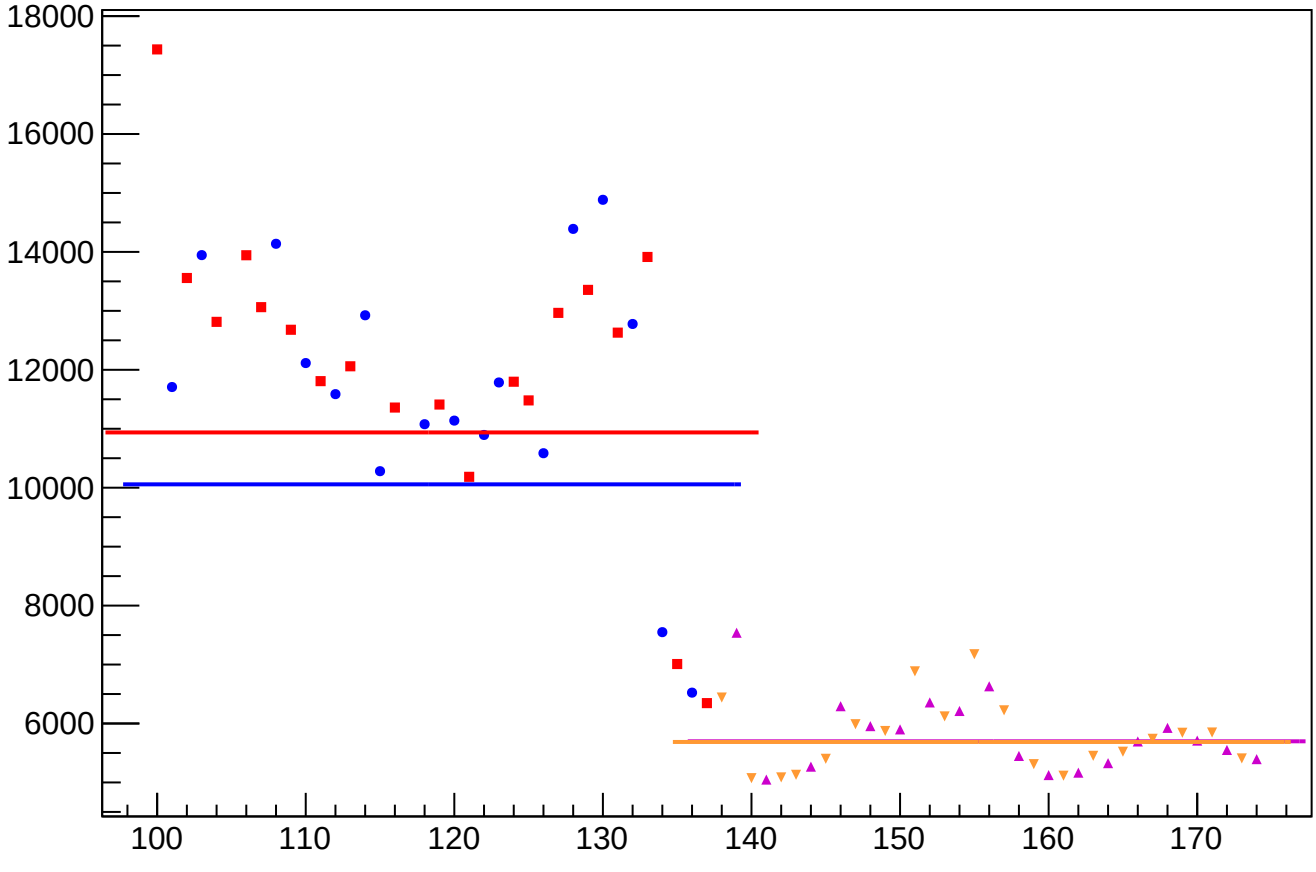
Right: -0.153+/-2.935 χ^2/NDF: 39.6/35

In: 0.268+/-1.432 χ^2/NDF:48.4/34

Out: 6.292+/-1.428 χ^2/NDF:74.9/37

All: 3.289+/-1.011 χ^2/NDF: 132.2/72

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991+/-2.885 χ^2/NDF: 1002872.6/16

Left Out: 5686.858+/-1.073 χ^2/NDF:254162.2/18

Right Out: 10937.573+/-2.987 χ^2/NDF: 762909.5/18

Left In: 5697.807+/-1.081 χ^2/NDF:258933.6/17

Left: 5692.287+/-0.762 χ^2/NDF: 513147.5/36

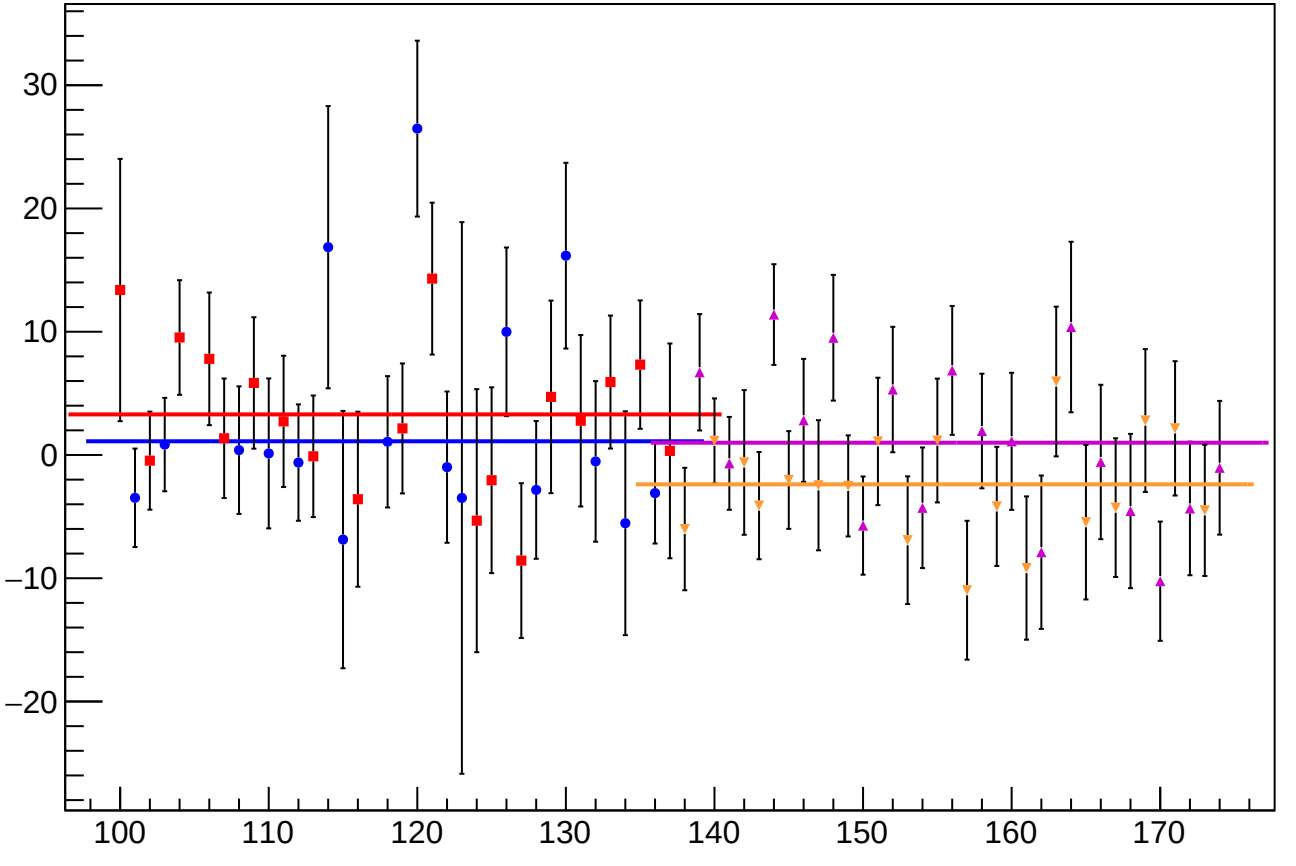
Right: 10481.996+/-2.075 χ^2/NDF: 1810742.6/35

In: 6234.854+/-1.013 χ^2/NDF:3263414.1/34

Out: 6286.482+/-1.009 χ^2/NDF:3754057.5/37

All: 6260.751+/-0.715 χ^2/NDF: 7018775.4/72

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112+/-1.403 χ^2/NDF: 24.6/16

Left Out: -2.383+/-1.142 χ^2/NDF:11.3/18

Right Out: 3.290+/-1.334 χ^2/NDF: 15.1/18

Left In: 0.996+/-1.178 χ^2/NDF:28.3/17

Left: -0.746+/-0.820 χ^2/NDF: 43.9/36

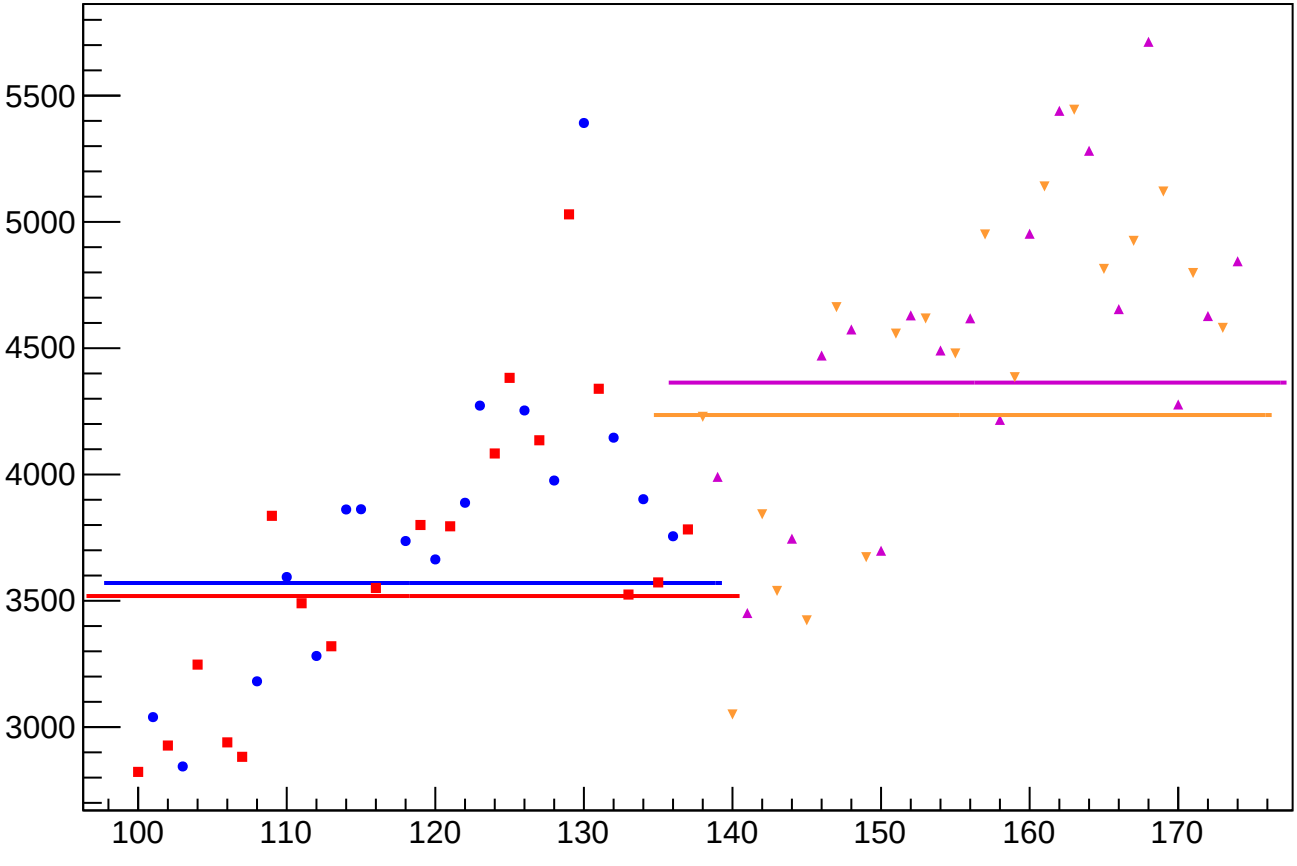
Right: 2.256+/-0.967 χ^2/NDF: 40.9/35

In: 1.044+/-0.902 χ^2/NDF:52.9/34

Out: 0.017+/-0.867 χ^2/NDF:36.8/37

All: 0.510+/-0.625 χ^2/NDF: 90.4/72

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: 4363.811+/-0.833 χ^2/NDF:485075.6/17

Left: 4297.676+/-0.580 χ^2/NDF: 1238264.7/36

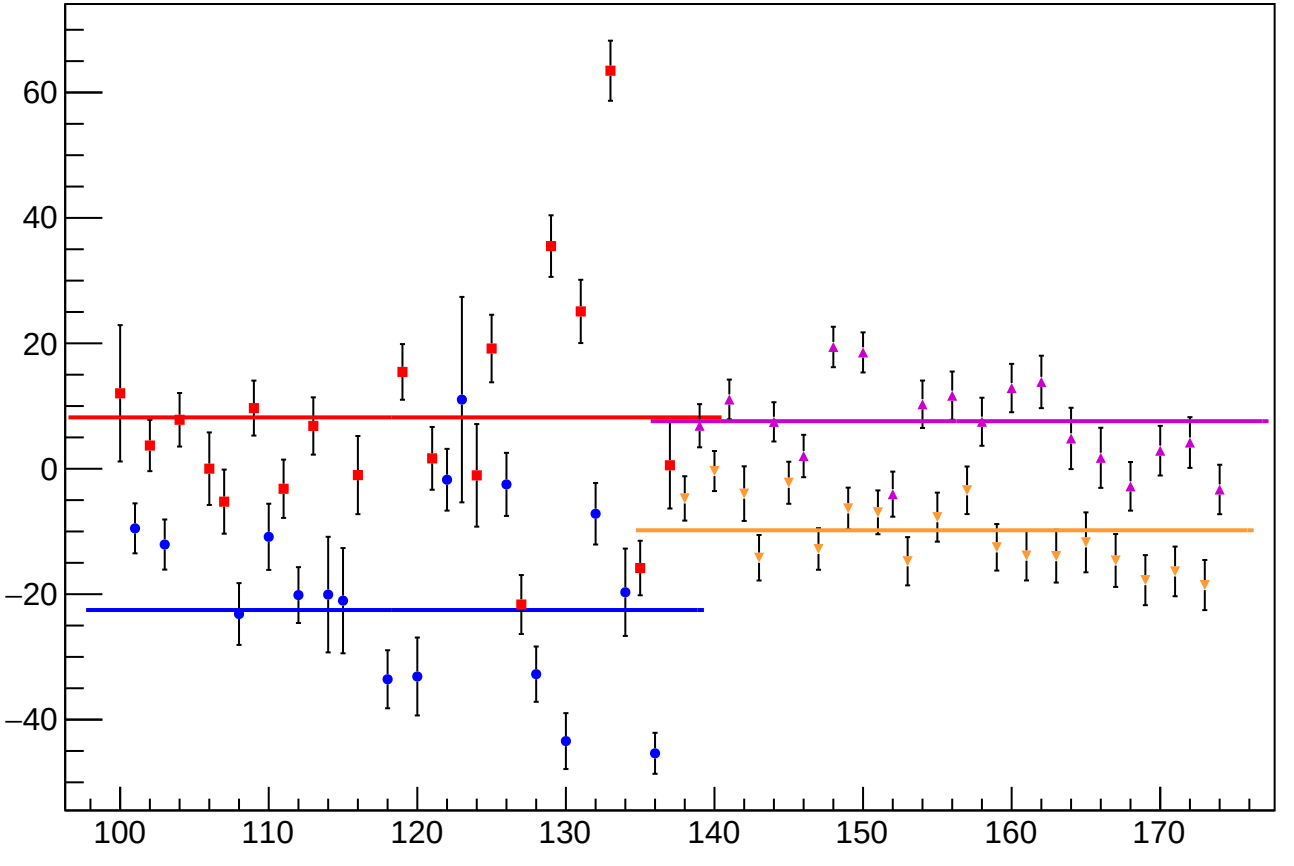
Right: 3543.379+/-0.683 χ^2/NDF: 604512.8/35

In: 4035.851+/-0.638 χ^2/NDF:1169983.3/34

Out: 3932.363+/-0.613 χ^2/NDF:1367547.2/37

All: 3982.084+/-0.442 χ^2/NDF: 2551209.5/72

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: 7.587+/-0.872 χ^2/NDF:64.1/17

Left: -1.200+/-0.613 χ^2/NDF: 307.4/36

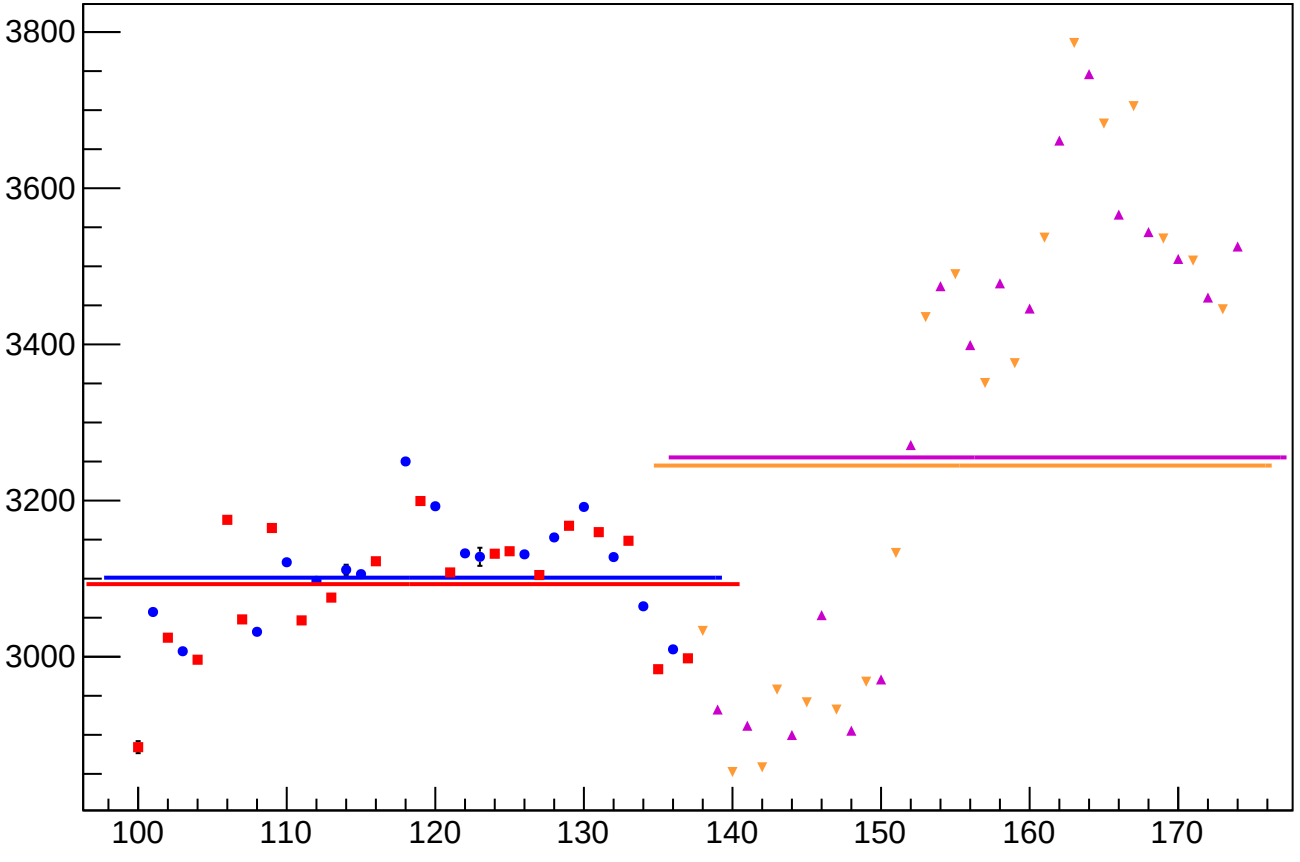
Right: -6.598+/-0.833 χ^2/NDF: 770.8/35

In: -2.805+/-0.705 χ^2/NDF:631.7/34

Out: -3.377+/-0.692 χ^2/NDF:473.4/37

All: -3.097+/-0.494 χ^2/NDF: 1105.4/72

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270+/-0.849 χ^2/NDF: 7233.8/16

Left Out: 3244.843+/-0.610 χ^2/NDF:241453.4/18

Right Out: 3092.993+/-0.818 χ^2/NDF: 7766.0/18

Left In: 3255.274+/-0.616 χ^2/NDF:215932.8/17

Left: 3250.005+/-0.434 χ^2/NDF: 457530.9/36

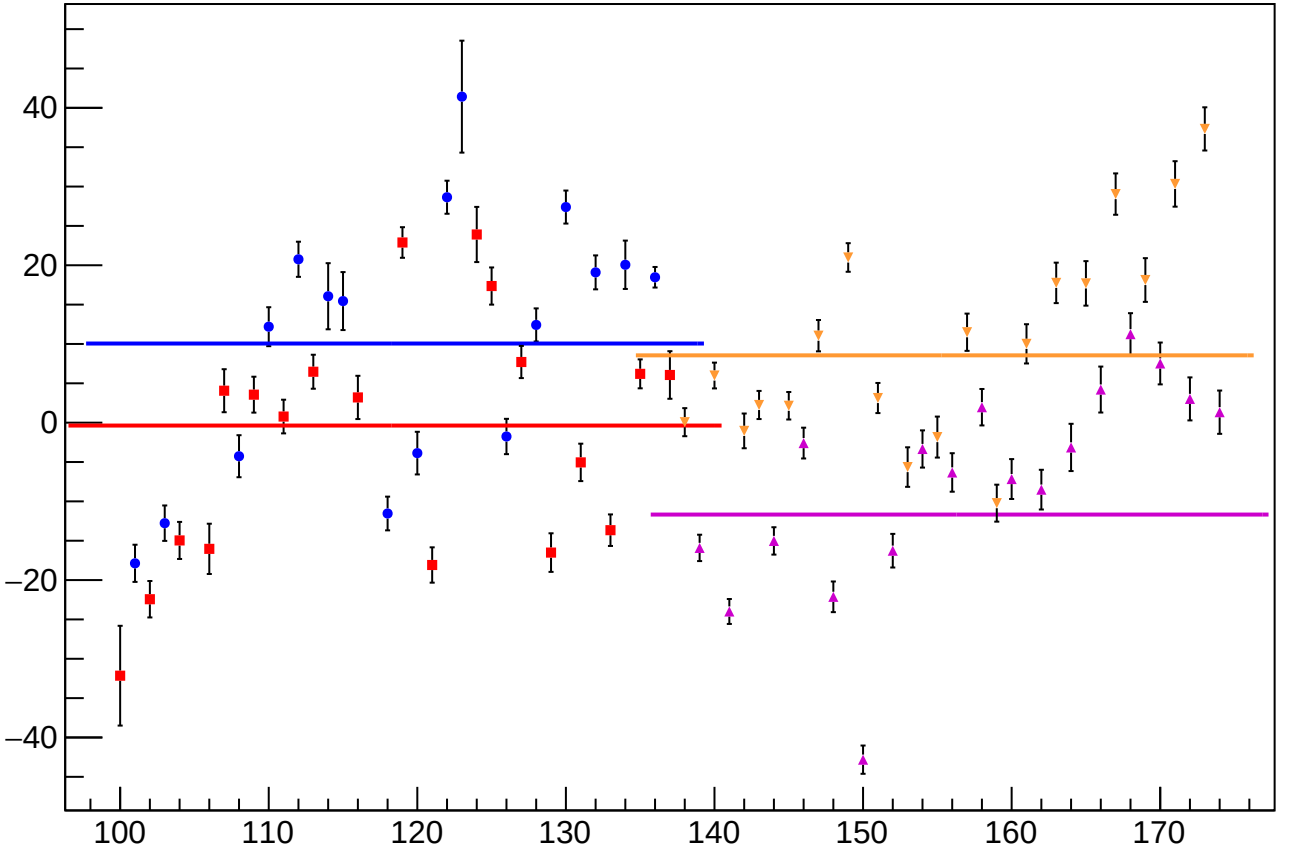
Right: 3096.979+/-0.589 χ^2/NDF: 15049.1/35

In: 3202.124+/-0.499 χ^2/NDF:244719.4/34

Out: 3190.585+/-0.489 χ^2/NDF:271364.3/37

All: 3196.241+/-0.349 χ^2/NDF: 516356.6/72

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055+/-0.562 χ^2/NDF: 692.2/16

Left Out: 8.553+/-0.501 χ^2/NDF:502.6/18

Right Out: -0.367+/-0.547 χ^2/NDF: 629.8/18

Left In: -11.676+/-0.516 χ^2/NDF:698.2/17

Left: -1.263+/-0.359 χ^2/NDF: 1993.3/36

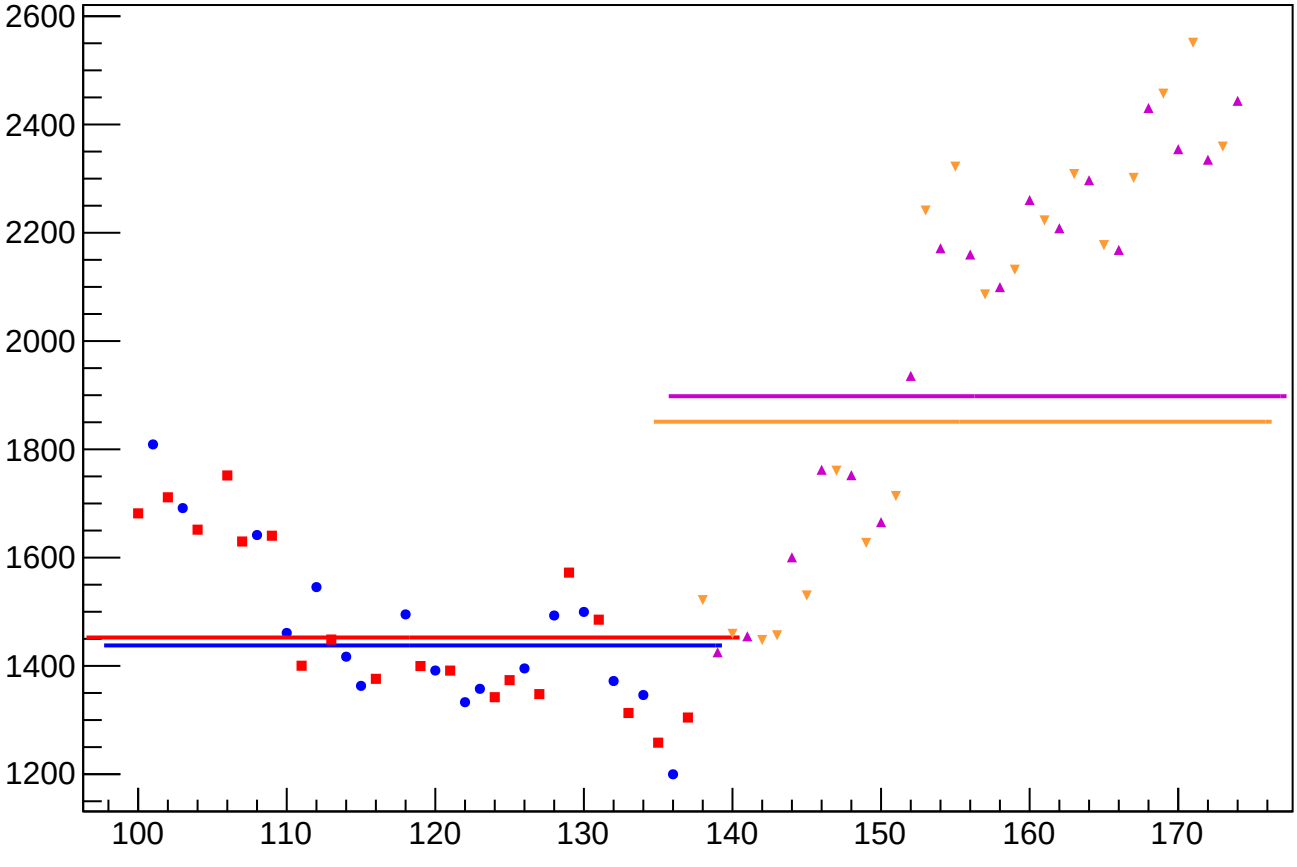
Right: 4.707+/-0.392 χ^2/NDF: 1498.8/35

In: -1.739+/-0.380 χ^2/NDF:2202.9/34

Out: 4.488+/-0.369 χ^2/NDF:1277.2/37

All: 1.462+/-0.265 χ^2/NDF: 3618.2/72

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776+/-0.397 χ^2/NDF: 173216.2/16

Left Out: 1851.013+/-0.354 χ^2/NDF:1095220.4/18

Right Out: 1452.469+/-0.387 χ^2/NDF: 138605.8/18

Left In: 1898.131+/-0.365 χ^2/NDF:886676.9/17

Left: 1873.877+/-0.254 χ^2/NDF: 1990495.9/36

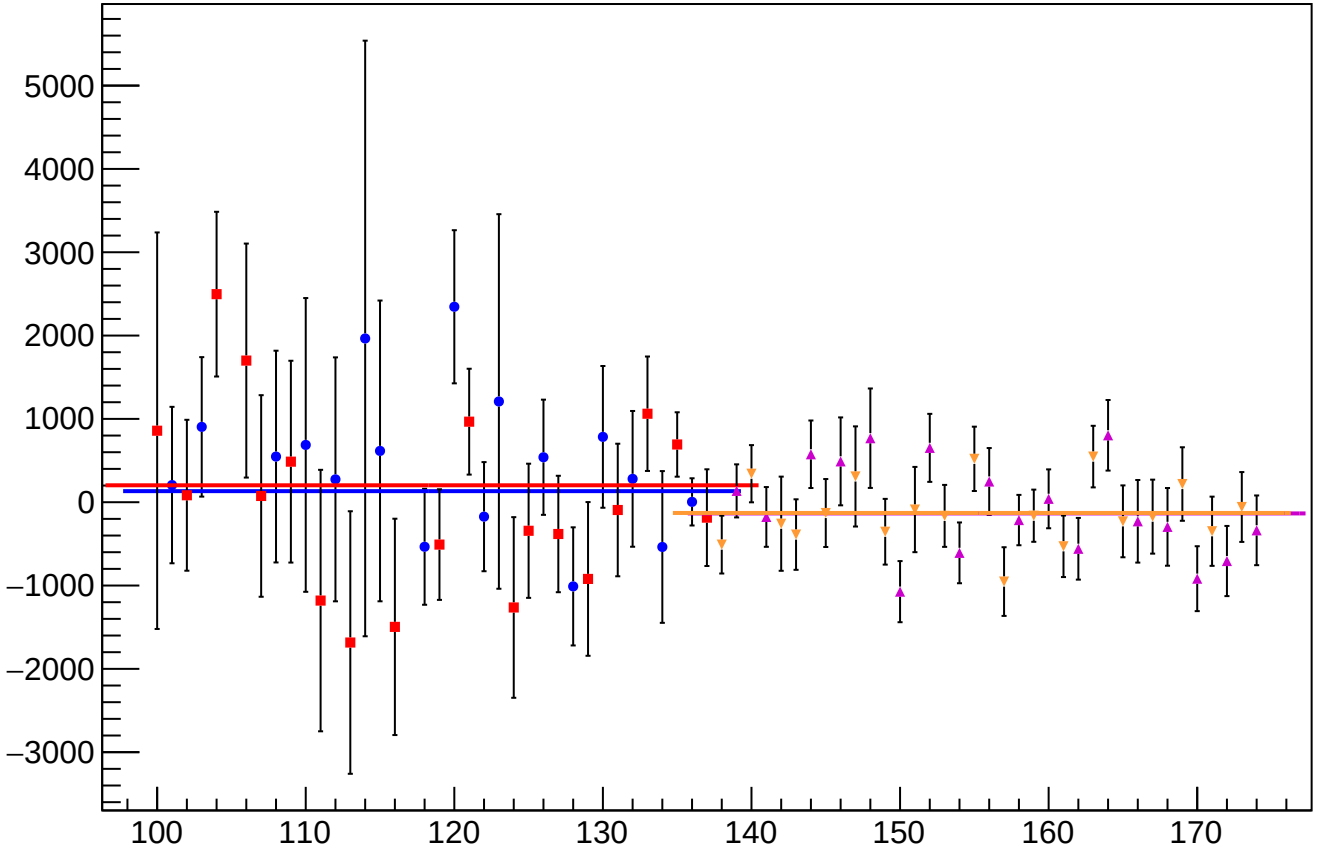
Right: 1445.316+/-0.277 χ^2/NDF: 312524.3/35

In: 1687.614+/-0.269 χ^2/NDF:1789104.8/34

Out: 1669.379+/-0.261 χ^2/NDF:1811616.7/37

All: 1678.241+/-0.187 χ^2/NDF: 3603091.1/72

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: -134.539+/-92.958 χ^2/NDF:33.2/17

Left: -131.752+/-65.650 χ^2/NDF: 49.9/36

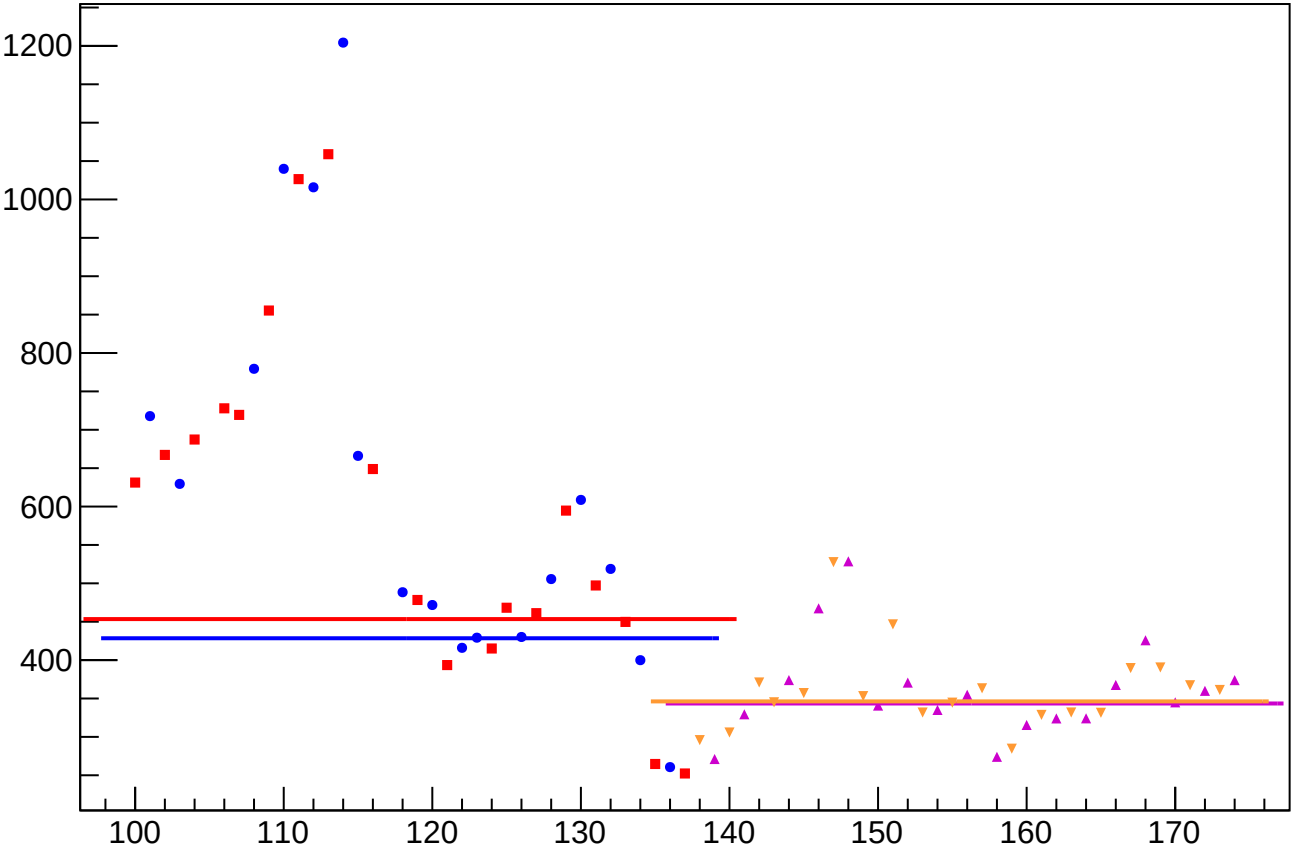
Right: 167.206+/-128.890 χ^2/NDF: 34.4/35

In: -78.358+/-82.621 χ^2/NDF:47.8/34

Out: -61.934+/-82.840 χ^2/NDF:40.8/37

All: -70.168+/-58.499 χ^2/NDF: 88.6/72

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: 343.494+/-0.066 χ^2/NDF:640822.6/17

Left: 344.856+/-0.046 χ^2/NDF: 1117407.7/36

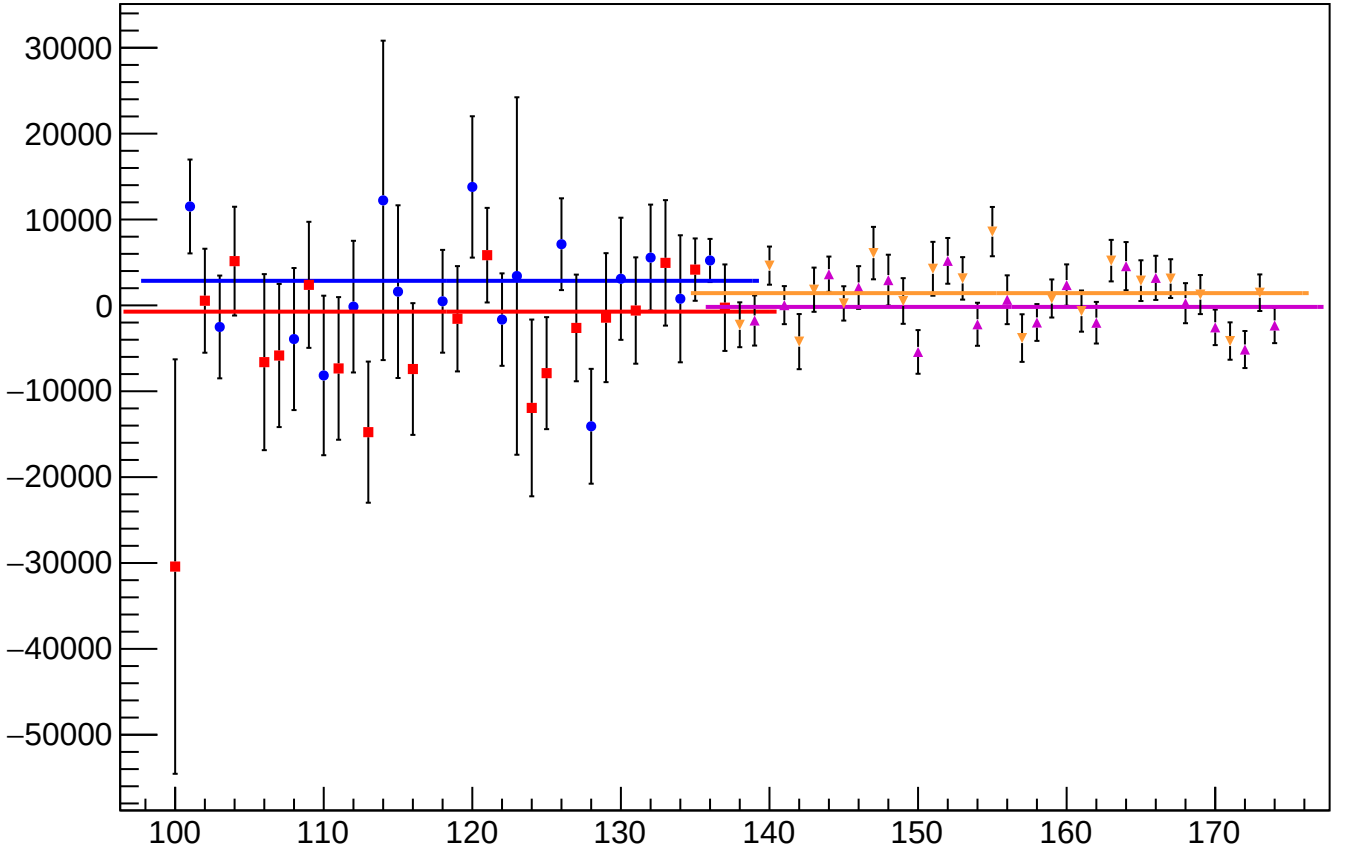
Right: 440.668+/-0.091 χ^2/NDF: 4060031.3/35

In: 361.341+/-0.058 χ^2/NDF:3003245.7/34

Out: 367.862+/-0.059 χ^2/NDF:3045497.1/37

All: 364.593+/-0.041 χ^2/NDF: 6054955.2/72

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: -178.331+/-566.132 χ^2/NDF:29.5/17

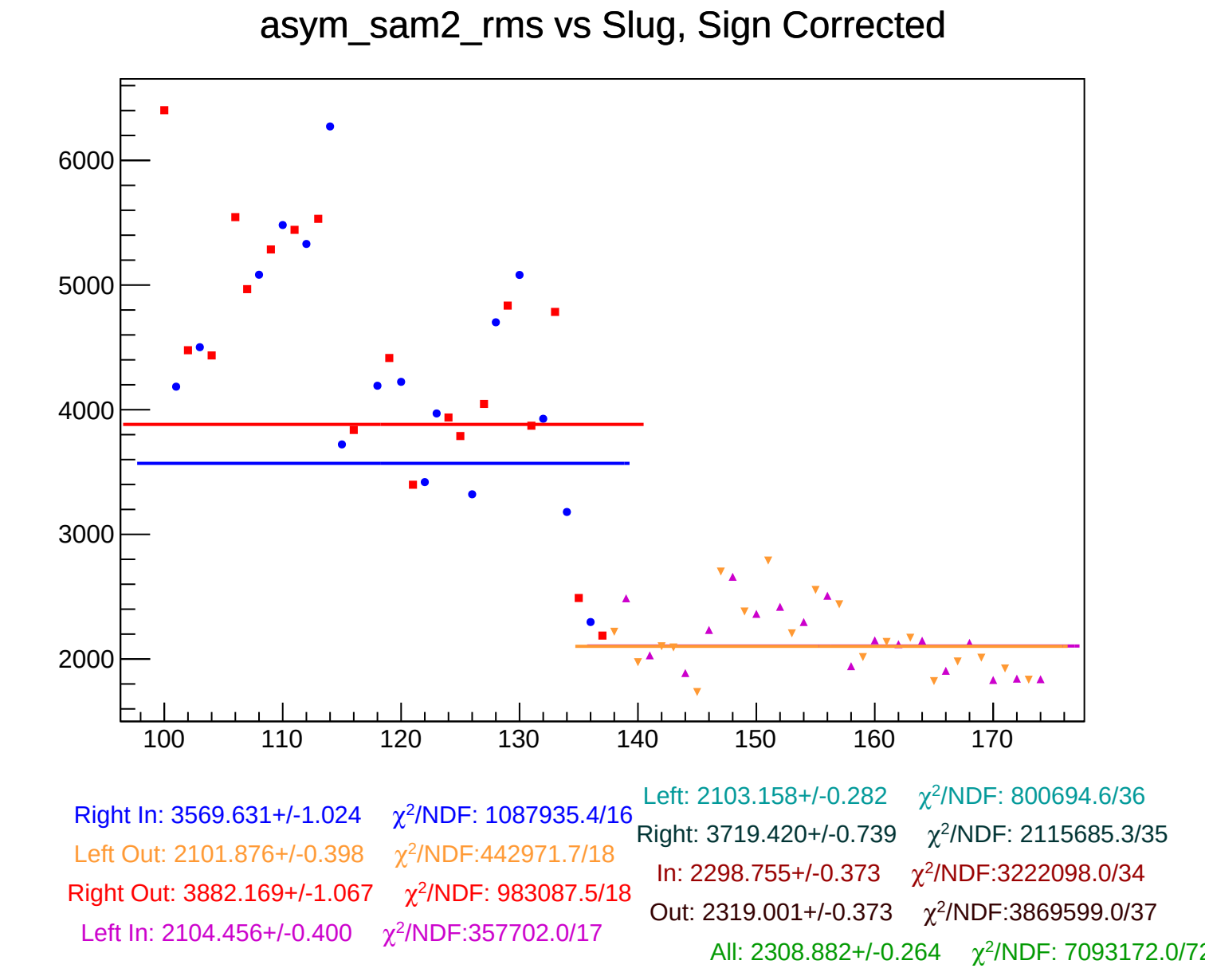
Left: 629.079+/-399.018 χ^2/NDF: 65.4/36

Right: 1139.446+/-1044.821 χ^2/NDF: 33.6/35

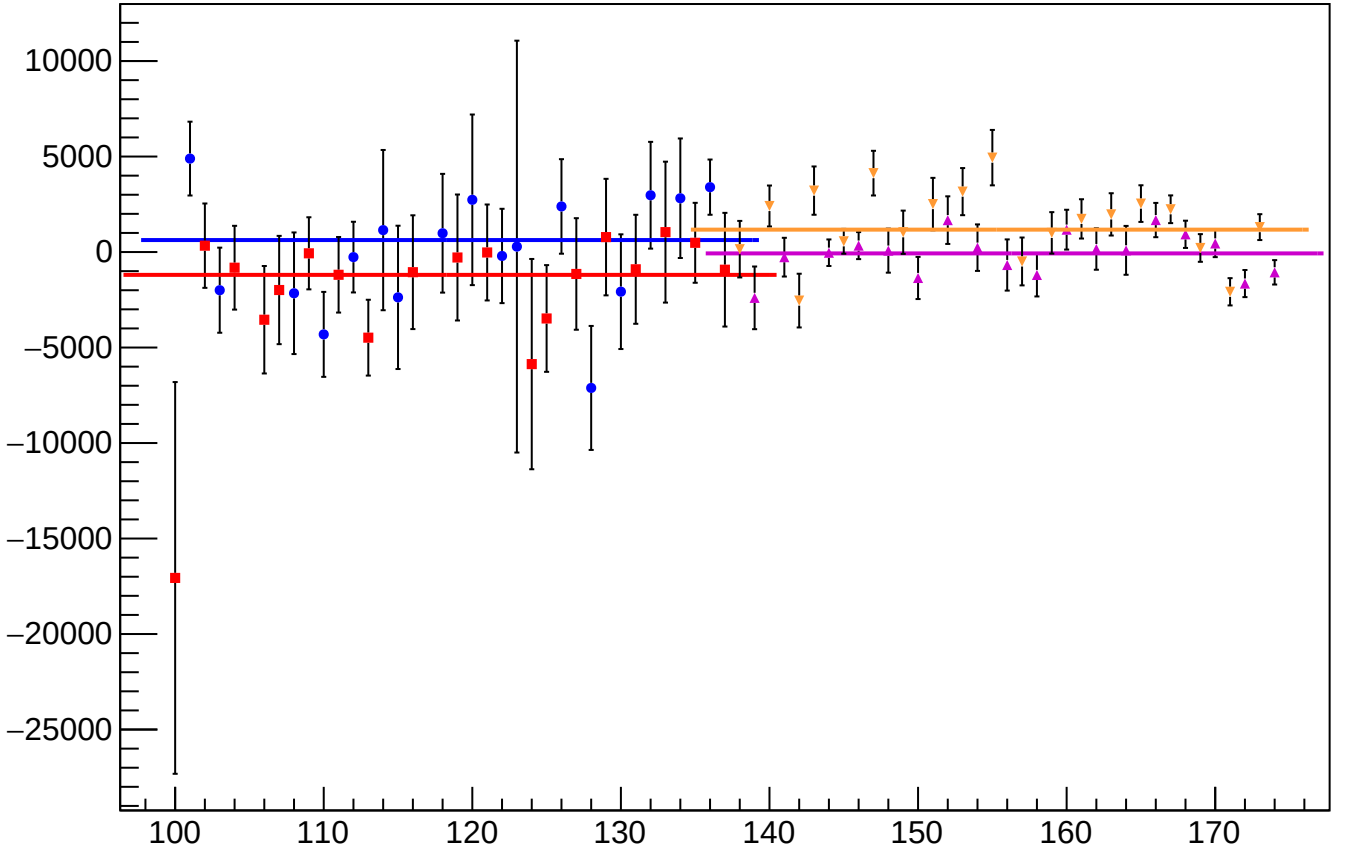
In: 224.537+/-527.259 χ^2/NDF:49.9/34

Out: 1163.196+/-527.064 χ^2/NDF:47.7/37

All: 694.041+/-372.759 χ^2/NDF: 99.2/72


asym_sam2_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
100
110
120
130
140
150
160
170
Right In: 3569.631+/-1.024 χ²/NDF: 1087935.4/16
Left Out: 2101.876+/-0.398 χ²/NDF:442971.7/18
Right Out: 3882.169+/-1.067 χ²/NDF: 983087.5/18
Left In: 2104.456+/-0.400 χ²/NDF:357702.0/17
Left: 2103.158+/-0.282 χ²/NDF: 800694.6/36
Right: 3719.420+/-0.739 χ²/NDF: 2115685.3/35
In: 2298.755+/-0.373 χ²/NDF:3222098.0/34
Out: 2319.001+/-0.373 χ²/NDF:3869599.0/37
All: 2308.882+/-0.264 χ²/NDF: 7093172.0/72

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: -71.048+/-215.053 χ^2/NDF:22.1/17

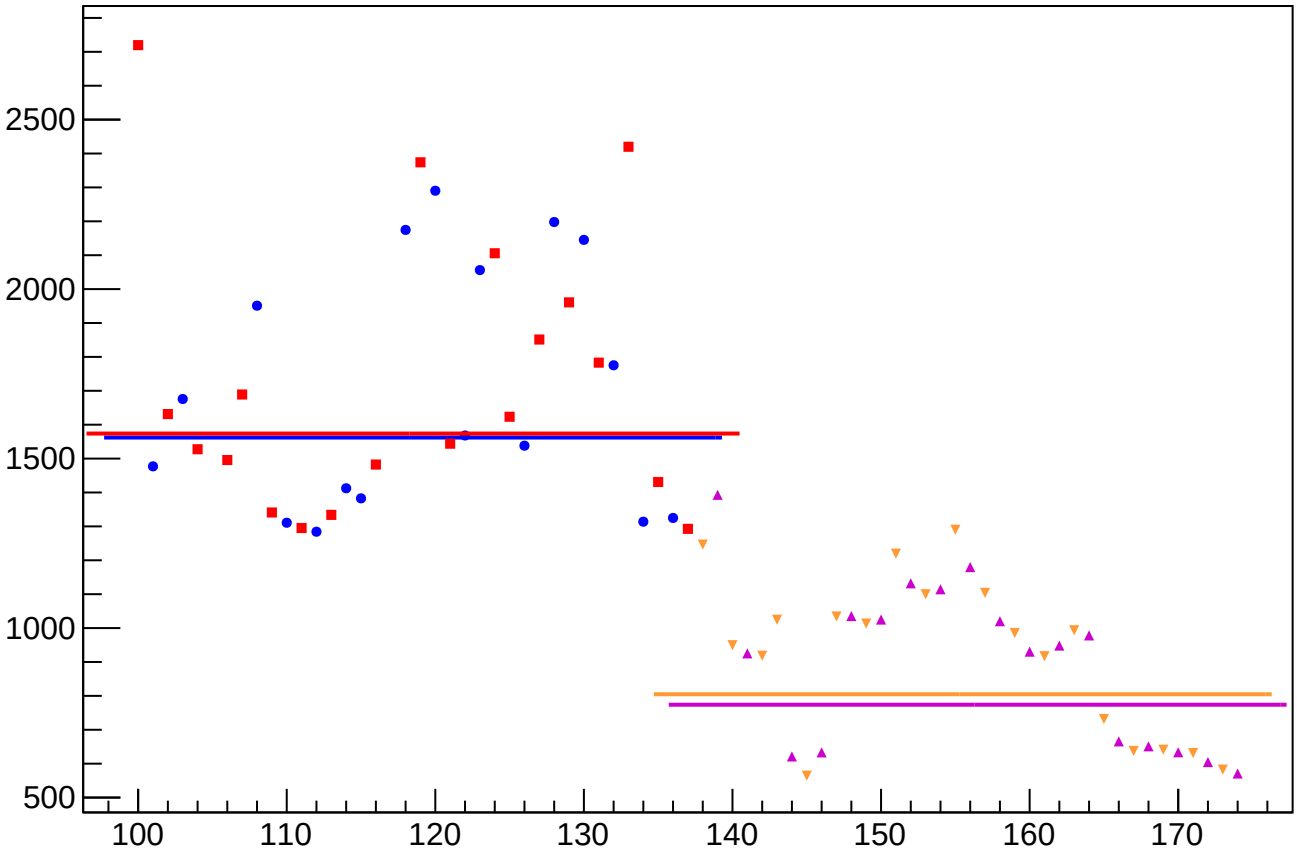
Left: 530.803+/-154.497 χ^2/NDF: 96.6/36

Right: -310.478+/-432.606 χ^2/NDF: 39.4/35

In: 3.786+/-203.210 χ^2/NDF:48.3/34

Out: 889.905+/-208.415 χ^2/NDF:81.8/37

All: 435.641+/-145.497 χ^2/NDF: 139.4/72



Right In: 1562.101+/-0.439 χ^2/NDF: 482088.3/16

Left Out: 804.792+/-0.157 χ^2/NDF:2031164.9/18

Right Out: 1573.906+/-0.426 χ^2/NDF: 463991.4/18

Left In: 773.894+/-0.152 χ^2/NDF:1940628.9/17

Left: 788.845+/-0.109 χ^2/NDF: 3991771.8/36

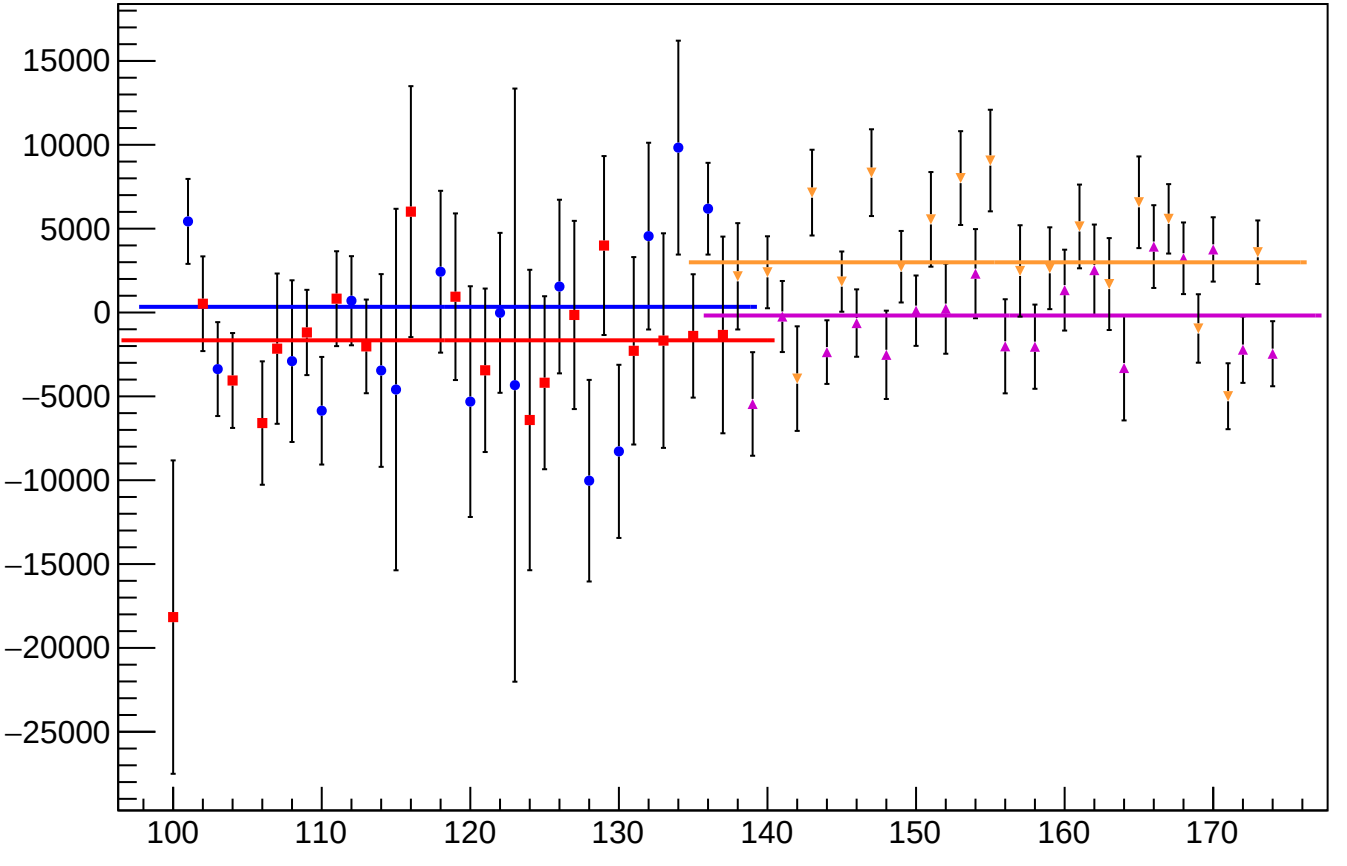
Right: 1568.176+/-0.306 χ^2/NDF: 946451.6/35

In: 858.314+/-0.144 χ^2/NDF:5300299.8/34

Out: 896.653+/-0.147 χ^2/NDF:5359688.9/37

All: 876.999+/-0.103 χ^2/NDF: 10694684.5/72

asym_sam4_mean vs Slug, Sign Corrected



Right In: 338.117+/-995.842 χ^2/NDF: 24.8/16

Left Out: 2993.293+/-545.937 χ^2/NDF:45.1/18

Right Out: -1658.069+/-924.453 χ^2/NDF: 10.3/18

Left In: -178.715+/-544.300 χ^2/NDF:21.4/17

Left: 1402.527+/-385.456 χ^2/NDF: 83.4/36

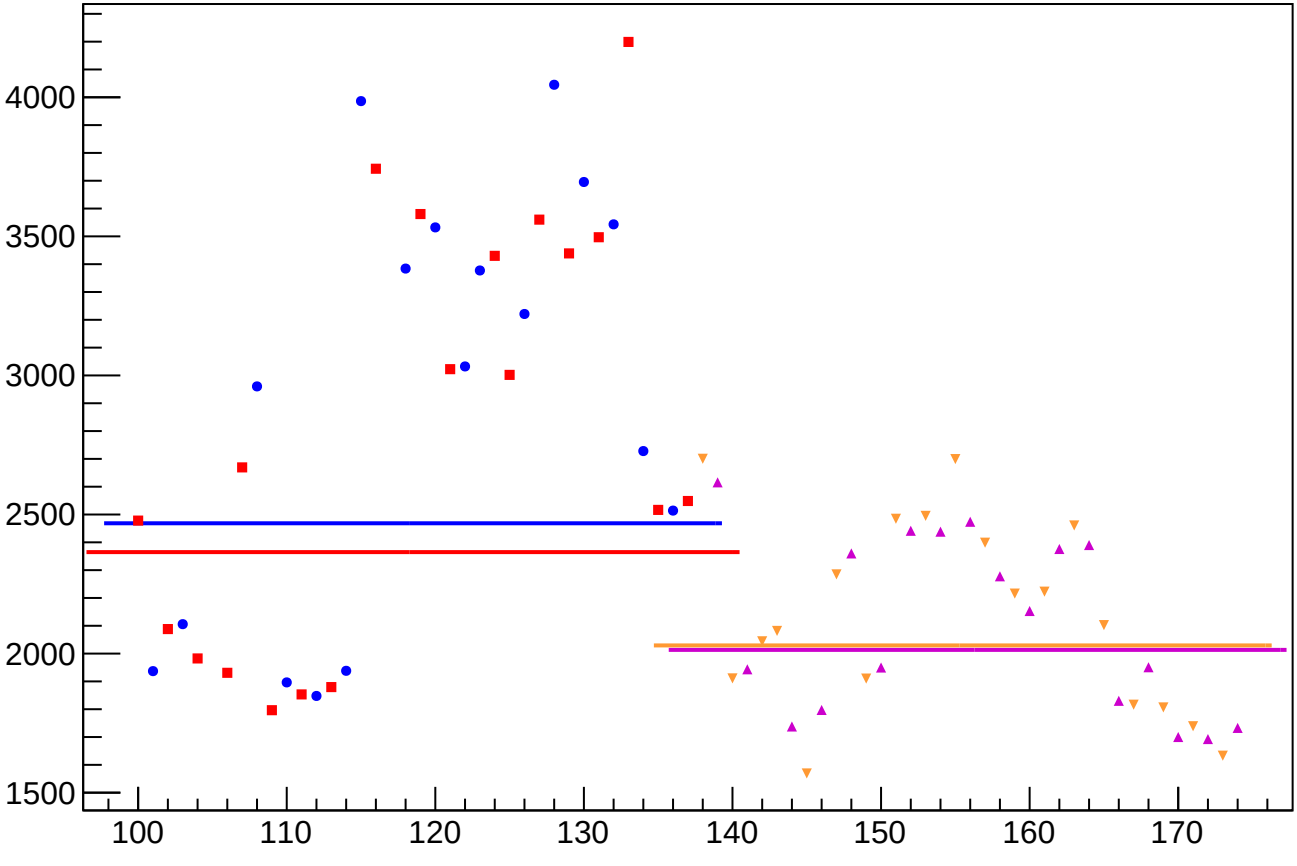
Right: -734.084+/-677.520 χ^2/NDF: 37.2/35

In: -59.831+/-477.614 χ^2/NDF:46.3/34

Out: 1790.576+/-470.085 χ^2/NDF:74.2/37

All: 880.072+/-335.031 χ^2/NDF: 128.1/72

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489+/-0.704 χ^2/NDF: 896153.6/16

Left Out: 2029.369+/-0.386 χ^2/NDF:746802.7/18

Right Out: 2364.833+/-0.654 χ^2/NDF: 1025161.0/18

Left In: 2013.316+/-0.385 χ^2/NDF:589705.4/17

Left: 2021.318+/-0.273 χ^2/NDF: 1337375.3/36

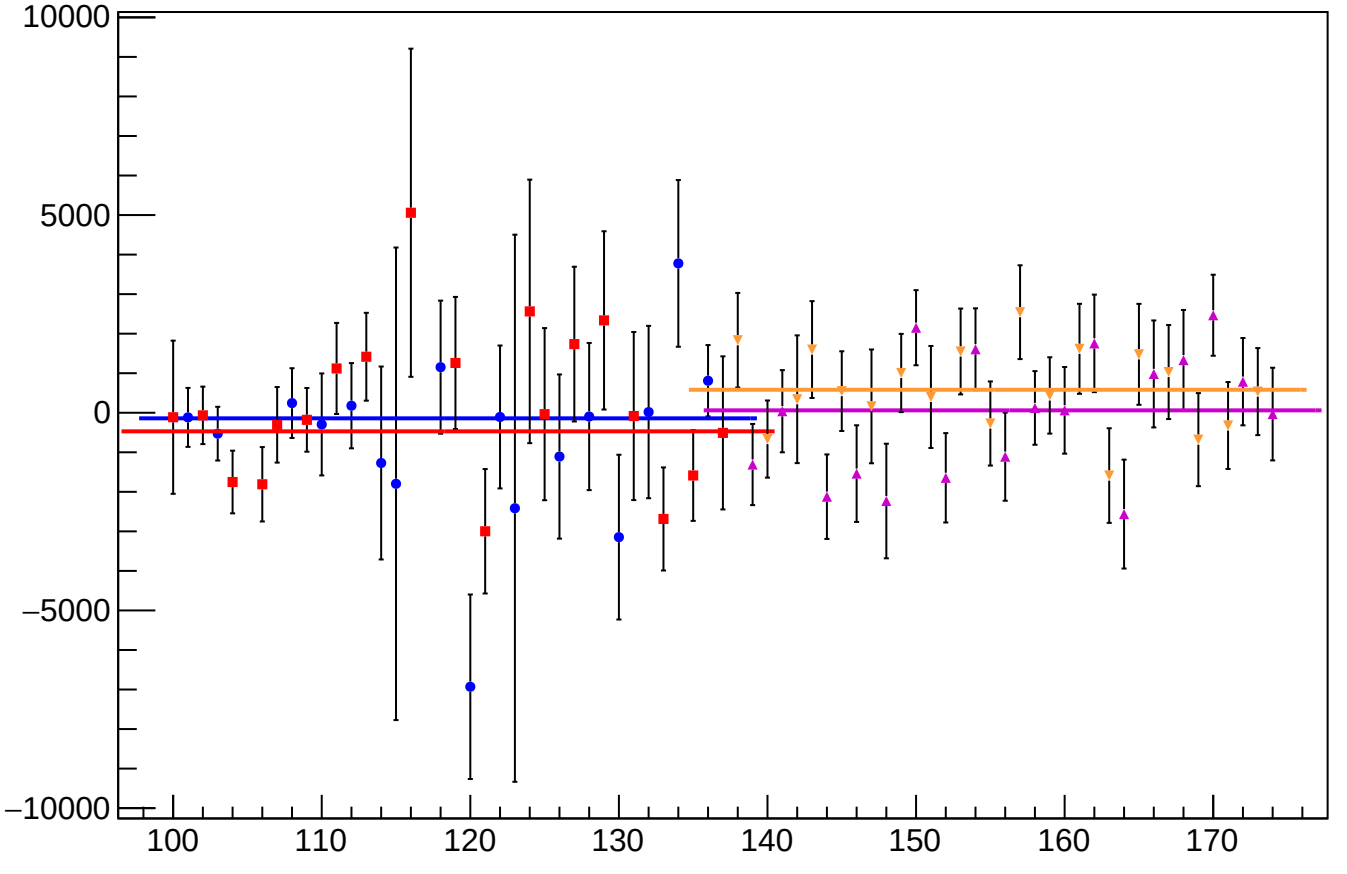
Right: 2412.813+/-0.479 χ^2/NDF: 1932953.4/35

In: 2118.017+/-0.338 χ^2/NDF:1807580.0/34

Out: 2116.111+/-0.332 χ^2/NDF:1967227.4/37

All: 2117.049+/-0.237 χ^2/NDF: 3774823.7/72

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213+/-313.319 χ^2/NDF: 16.9/16

Left Out: 581.364+/-261.979 χ^2/NDF:14.5/18

Right Out: -470.143+/-282.892 χ^2/NDF: 22.9/18

Left In: 60.624+/-263.842 χ^2/NDF:33.6/17

Left: 322.839+/-185.903 χ^2/NDF: 50.0/36

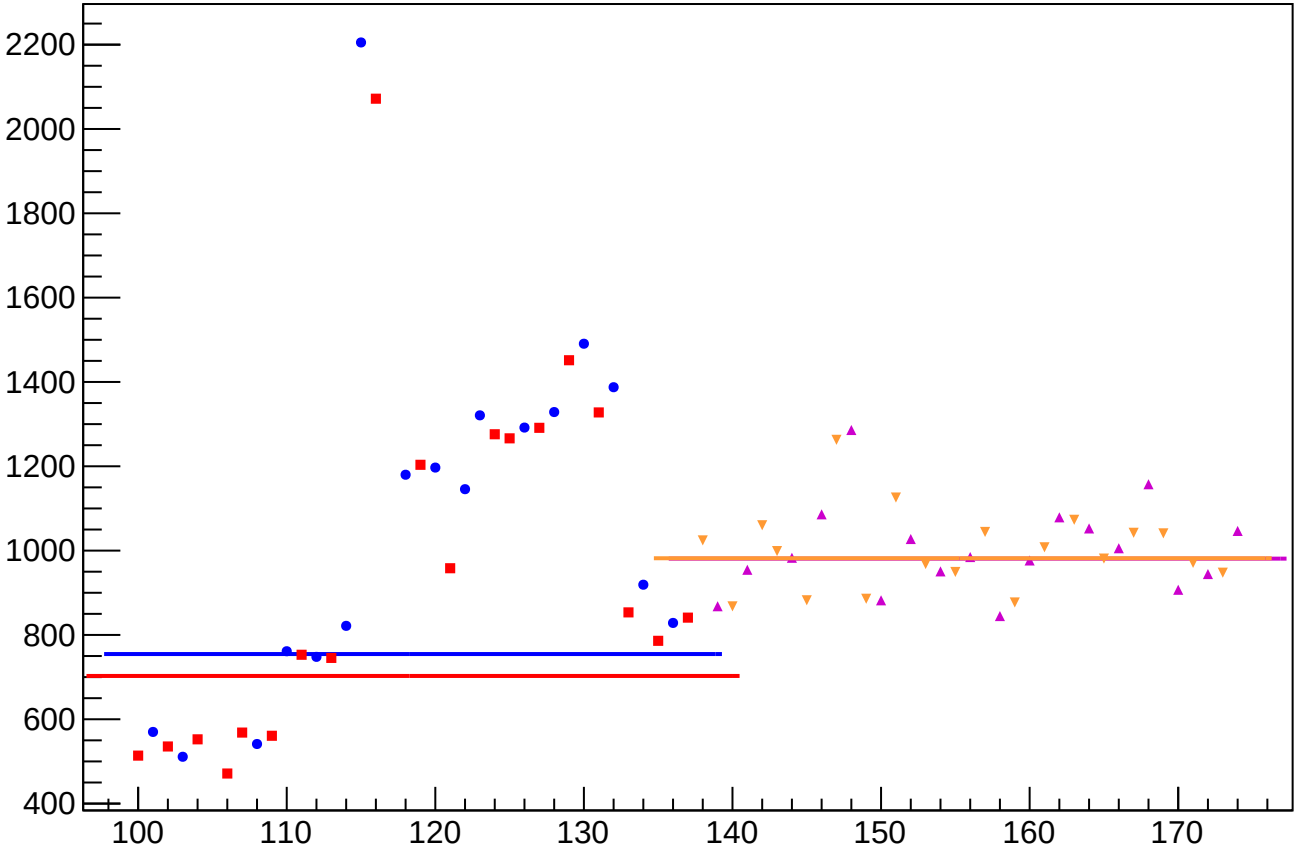
Right: -322.421+/-209.970 χ^2/NDF: 40.5/35

In: -23.118+/-201.818 χ^2/NDF:50.8/34

Out: 95.910+/-192.216 χ^2/NDF:44.9/37

All: 39.294+/-139.188 χ^2/NDF: 95.8/72

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684+/-0.222 χ^2/NDF: 1690621.2/16

Left Out: 981.873+/-0.185 χ^2/NDF:230749.7/18

Right Out: 702.721+/-0.200 χ^2/NDF: 1691602.9/18

Left In: 980.973+/-0.187 χ^2/NDF:274822.4/17

Left: 981.426+/-0.131 χ^2/NDF: 505583.8/36

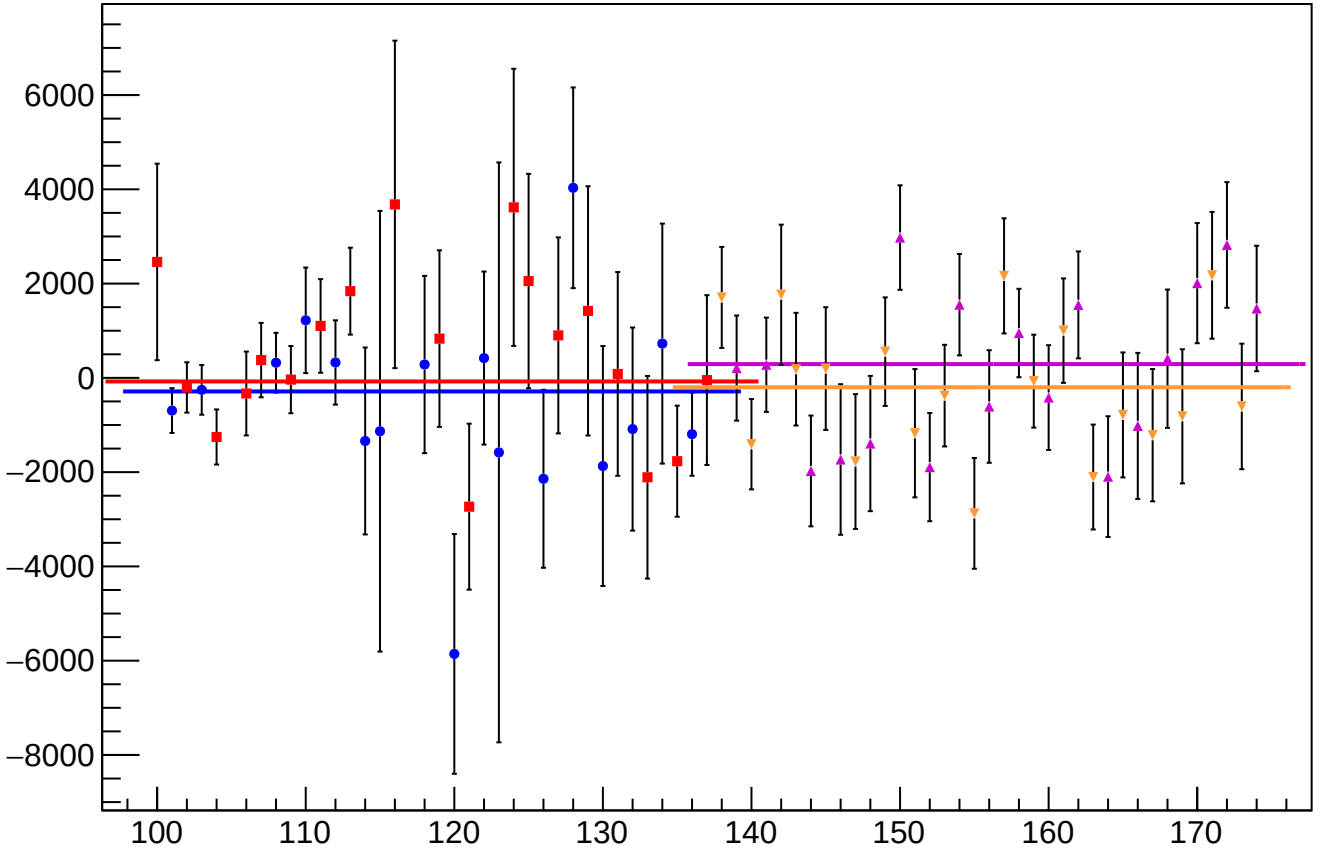
Right: 726.058+/-0.148 χ^2/NDF: 3412528.8/35

In: 887.085+/-0.143 χ^2/NDF:2575845.0/34

Out: 852.995+/-0.136 χ^2/NDF:2970715.7/37

All: 869.210+/-0.098 χ^2/NDF: 5576482.6/72

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: 292.206+/-282.858 χ^2/NDF:30.7/17

Left: 40.872+/-197.713 χ^2/NDF: 58.3/36

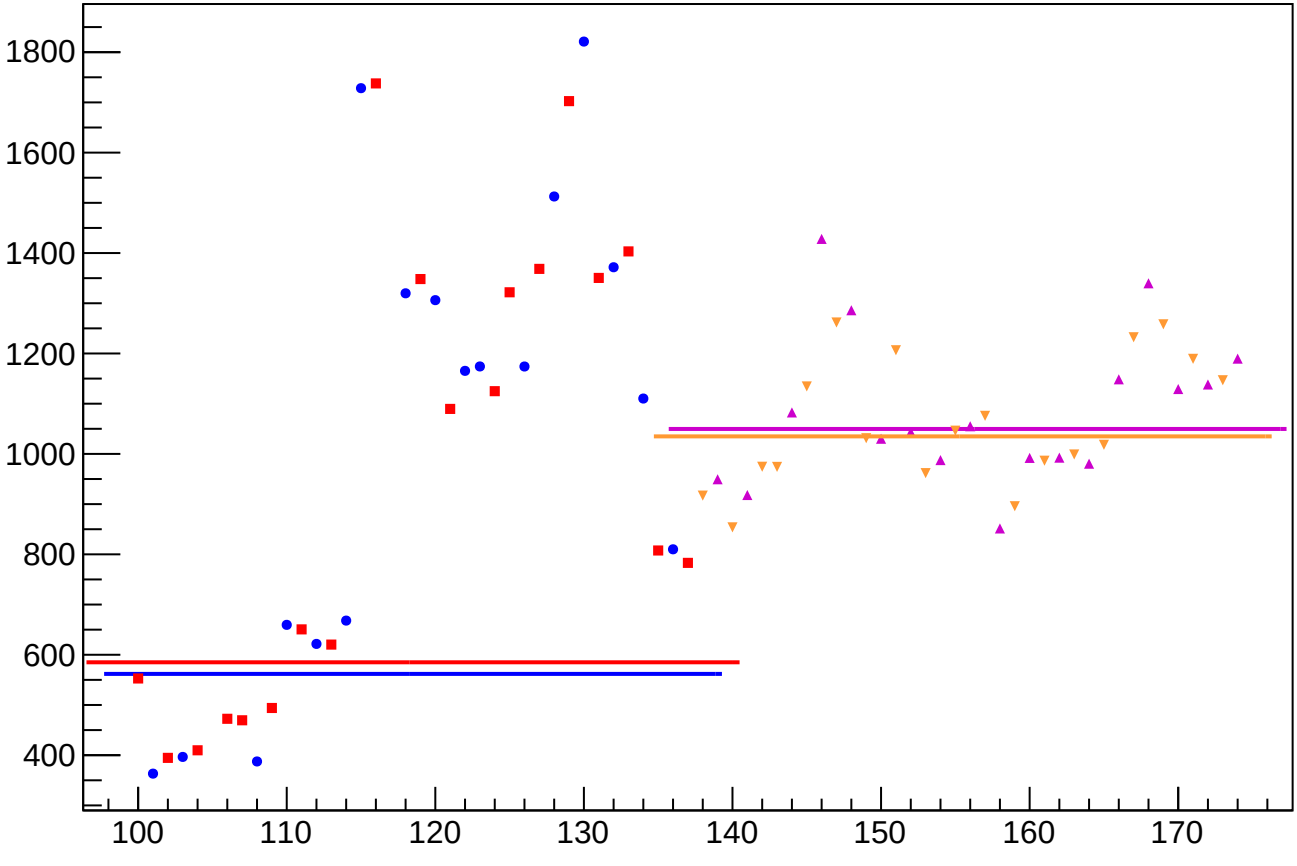
Right: -180.221+/-175.526 χ^2/NDF: 37.9/35

In: -33.062+/-187.504 χ^2/NDF:49.2/34

Out: -130.542+/-183.815 χ^2/NDF:47.6/37

All: -82.771+/-131.262 χ^2/NDF: 96.9/72

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894+/-0.177 χ^2/NDF: 3216651.3/16

Left Out: 1034.899+/-0.195 χ^2/NDF:385031.6/18

Right Out: 584.993+/-0.174 χ^2/NDF: 2824449.5/18

Left In: 1049.692+/-0.200 χ^2/NDF:456815.4/17

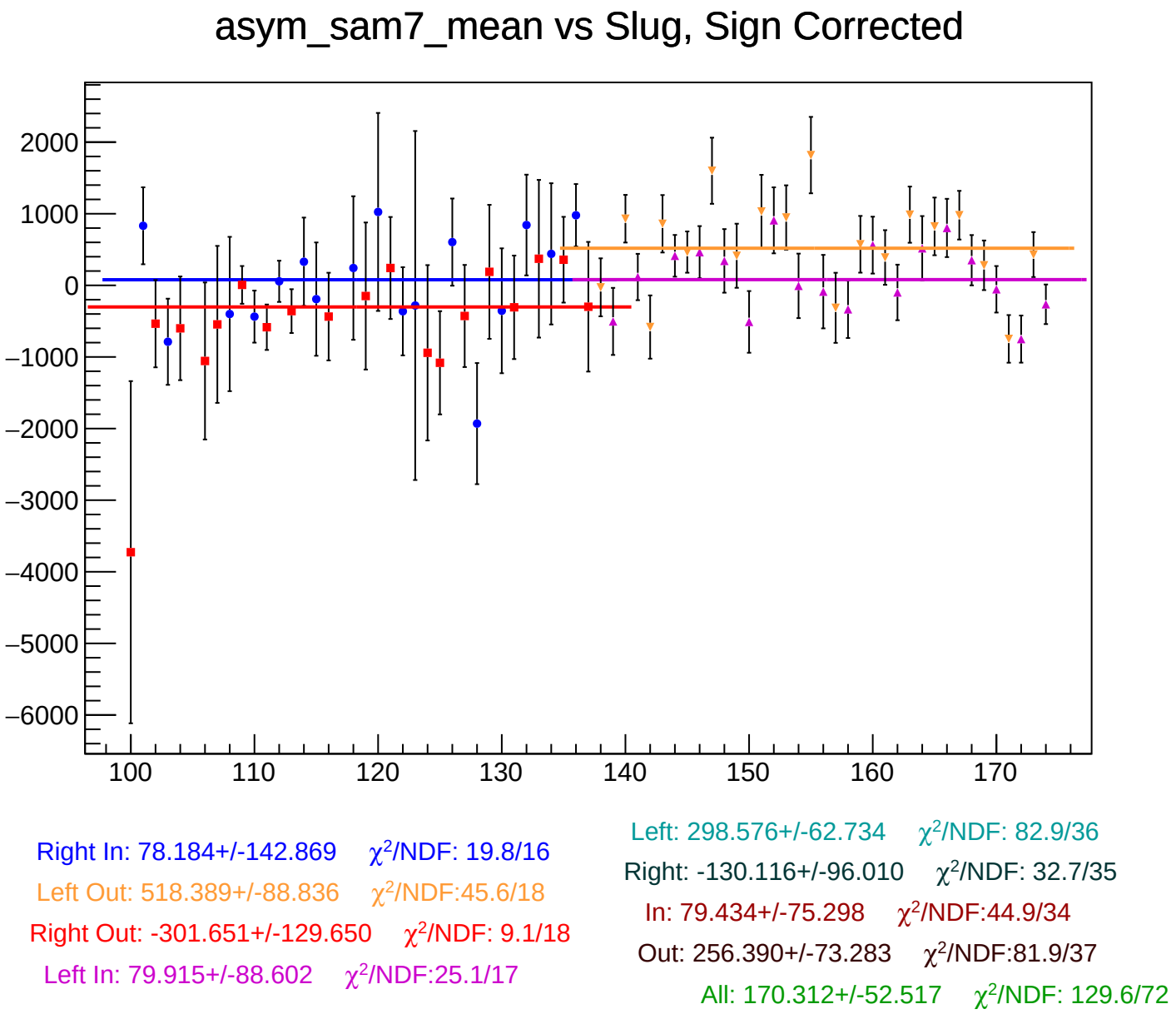
Left: 1042.126+/-0.140 χ^2/NDF: 844644.6/36

Right: 573.646+/-0.124 χ^2/NDF: 6049757.3/35

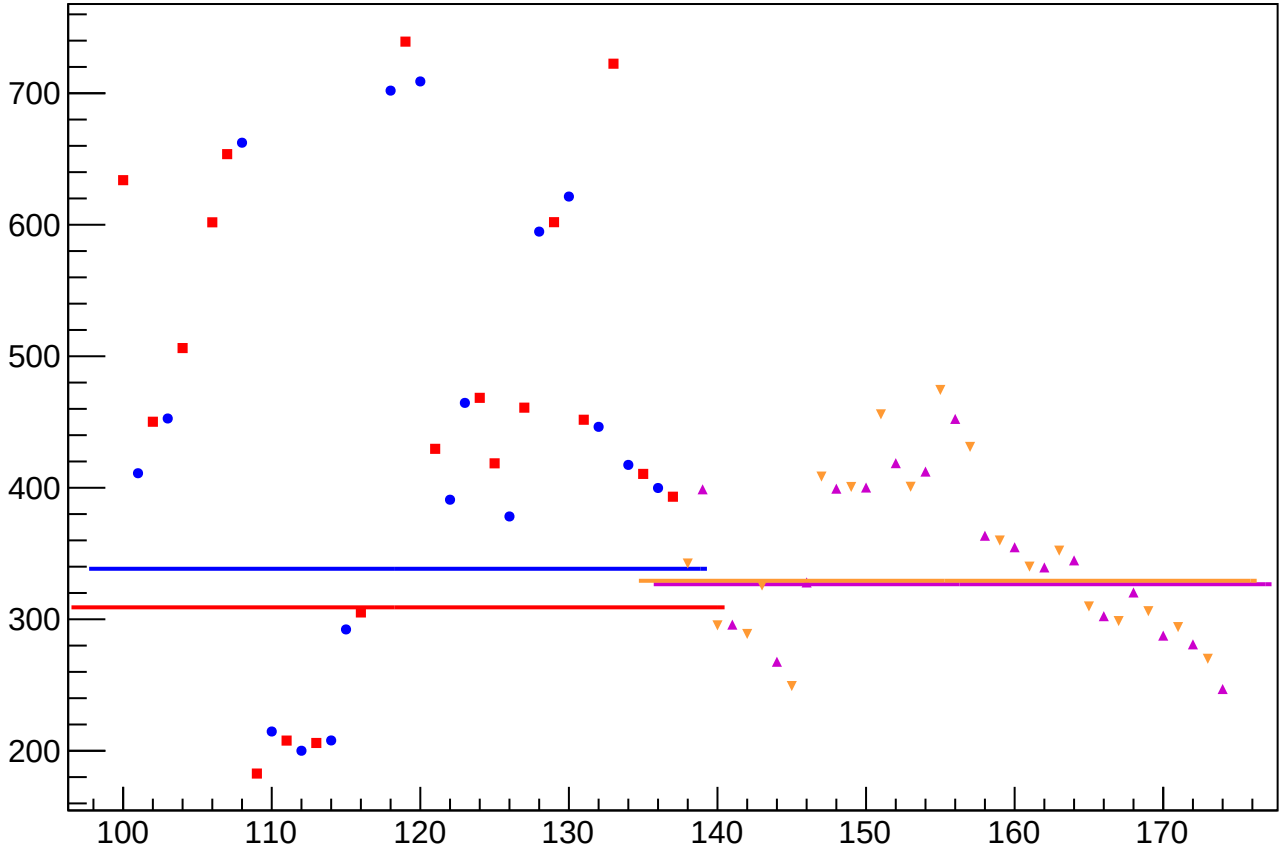
In: 776.246+/-0.133 χ^2/NDF:7007775.0/34

Out: 783.873+/-0.130 χ^2/NDF:6164633.0/37

All: 780.135+/-0.093 χ^2/NDF: 13174095.5/72


asym_sam7_mean vs Slug, Sign Corrected
2000
1000
0
−1000
−2000
−3000
−4000
−5000
−6000
100
110
120
130
140
150
160
170
Right In: 78.184+/-142.869 χ²/NDF: 19.8/16
Left Out: 518.389+/-88.836 χ²/NDF:45.6/18
Right Out: -301.651+/-129.650 χ²/NDF: 9.1/18
Left In: 79.915+/-88.602 χ²/NDF:25.1/17
Left: 298.576+/-62.734 χ²/NDF: 82.9/36
Right: -130.116+/-96.010 χ²/NDF: 32.7/35
In: 79.434+/-75.298 χ²/NDF:44.9/34
Out: 256.390+/-73.283 χ²/NDF:81.9/37
All: 170.312+/-52.517 χ²/NDF: 129.6/72

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408+/-0.101 χ^2/NDF: 2009287.1/16

Left Out: 329.284+/-0.063 χ^2/NDF:855090.8/18

Right Out: 309.081+/-0.092 χ^2/NDF: 2733465.5/18

Left In: 326.661+/-0.063 χ^2/NDF:805127.9/17

Left: 327.969+/-0.044 χ^2/NDF: 1661092.6/36

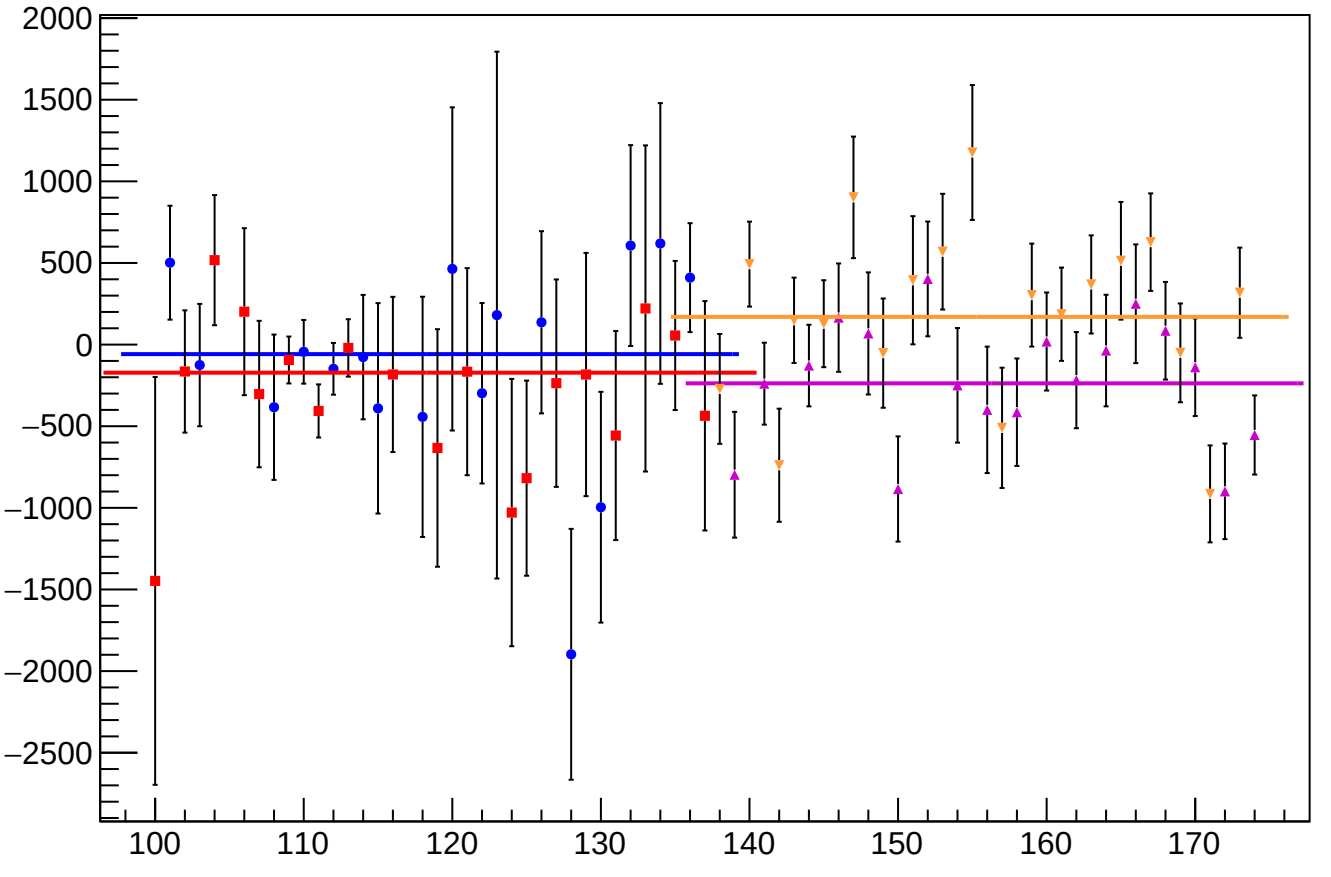
Right: 322.325+/-0.068 χ^2/NDF: 4788966.2/35

In: 329.924+/-0.053 χ^2/NDF:2824179.9/34

Out: 322.829+/-0.052 χ^2/NDF:3621603.1/37

All: 326.280+/-0.037 χ^2/NDF: 6454901.7/72

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299+/-90.484 χ^2/NDF: 15.9/16

Left Out: 169.759+/-72.141 χ^2/NDF:43.4/18

Right Out: -171.954+/-76.920 χ^2/NDF: 11.3/18

Left In: -237.367+/-73.249 χ^2/NDF:23.2/17

Left: -30.700+/-51.399 χ^2/NDF: 82.3/36

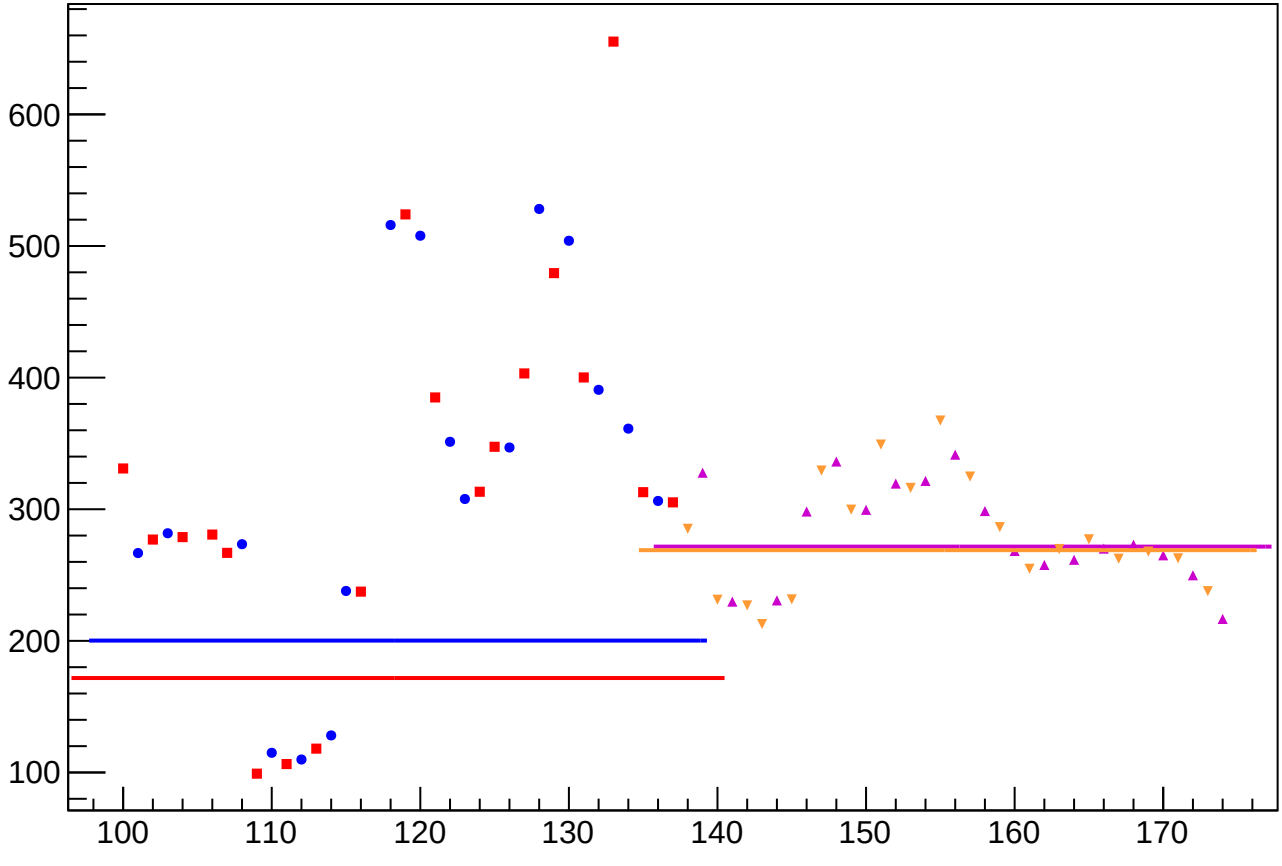
Right: -124.276+/-58.606 χ^2/NDF: 28.1/35

In: -166.475+/-56.933 χ^2/NDF:41.4/34

Out: 9.846+/-52.620 χ^2/NDF:65.3/37

All: -71.384+/-38.643 χ^2/NDF: 111.9/72

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209+/-0.064 χ^2/NDF: 3387197.7/16

Left Out: 268.901+/-0.051 χ^2/NDF:595731.4/18

Right Out: 171.757+/-0.054 χ^2/NDF: 4093922.6/18

Left In: 271.607+/-0.052 χ^2/NDF:516536.9/17

Left: 270.233+/-0.036 χ^2/NDF: 1113654.7/36

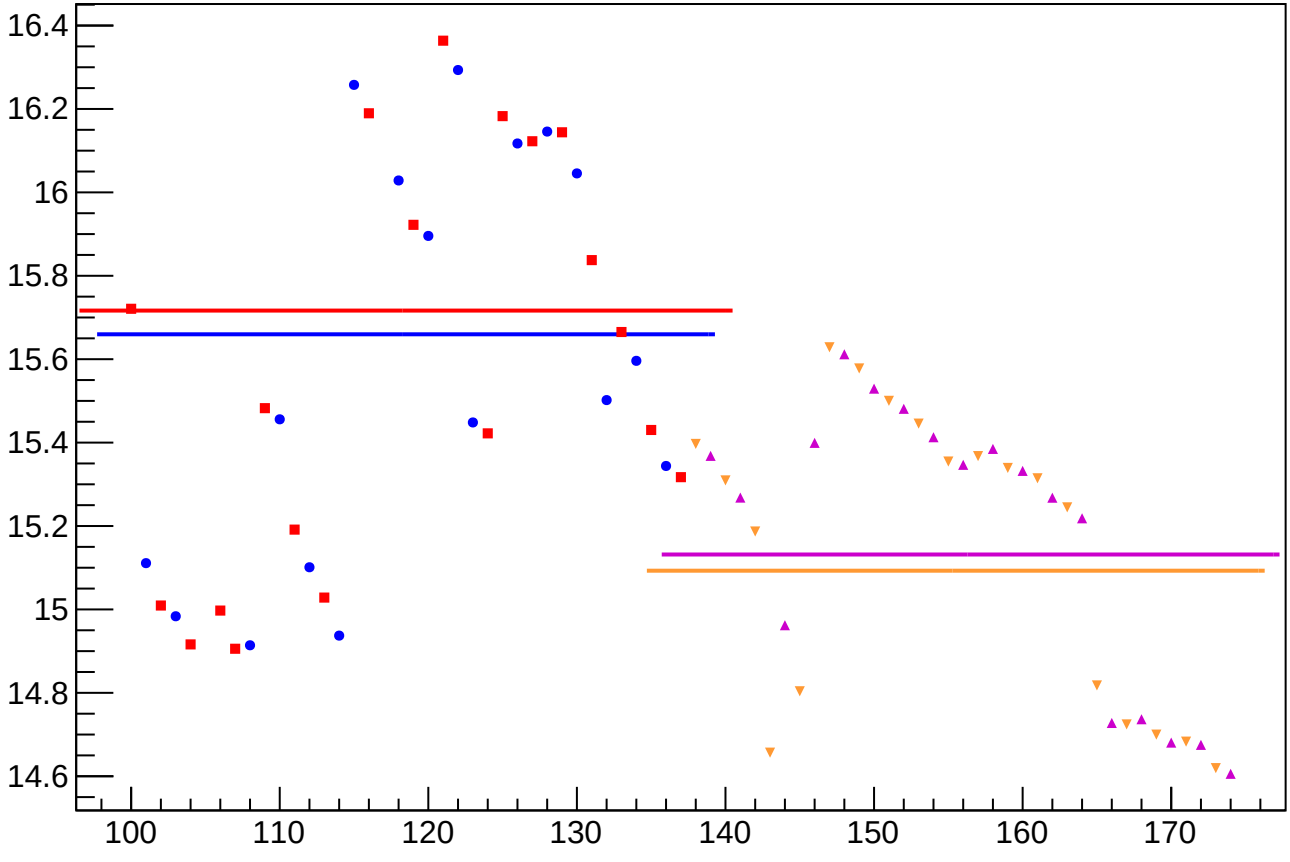
Right: 183.693+/-0.041 χ^2/NDF: 7595909.3/35

In: 243.341+/-0.040 χ^2/NDF:4656014.7/34

Out: 223.440+/-0.037 χ^2/NDF:6386780.5/37

All: 232.608+/-0.027 χ^2/NDF: 11174591.4/72

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660+/-0.000 χ^2/NDF: 5782644553.5/16

Left Out: 15.093+/-0.000 χ^2/NDF:13947057771.5/18

Right Out: 15.717+/-0.000 χ^2/NDF: 5461829475.3/18

Left In: 15.132+/-0.000 χ^2/NDF:12377788881.4/17

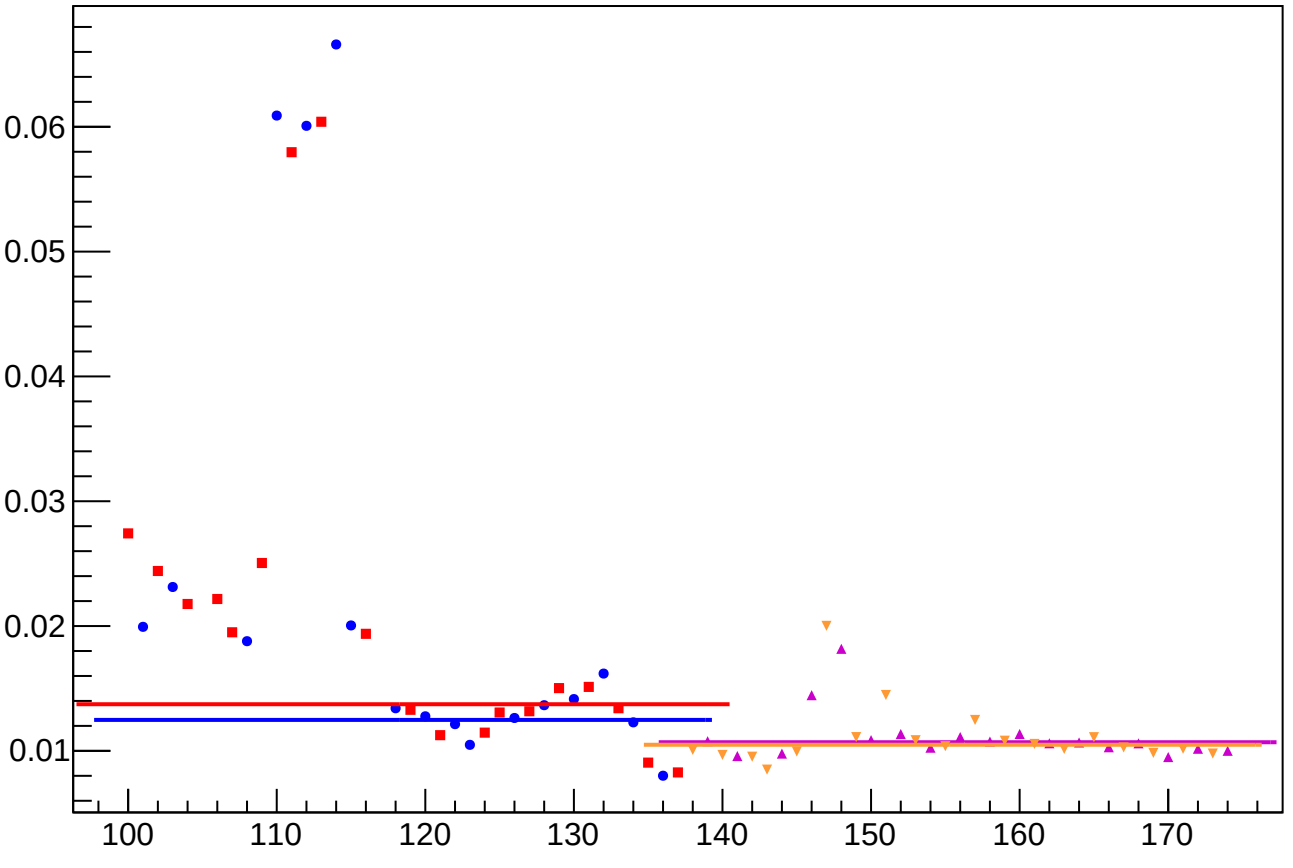
Left: 15.112+/-0.000 χ^2/NDF: 26413986433.5/36

Right: 15.686+/-0.000 χ^2/NDF: 11294352327.9/35

In: 15.249+/-0.000 χ^2/NDF:25333972141.3/34

Out: 15.213+/-0.000 χ^2/NDF:28471372322.7/37

All: 15.231+/-0.000 χ^2/NDF: 53902432569.5



Right In: 0.012+/-0.000 χ^2/NDF: 2152911.4/16

Left Out: 0.010+/-0.000 χ^2/NDF:609746.3/18

Right Out: 0.014+/-0.000 χ^2/NDF: 2077569.4/18

Left In: 0.011+/-0.000 χ^2/NDF:446533.6/17

Left: 0.011+/-0.000 χ^2/NDF: 1061065.6/36

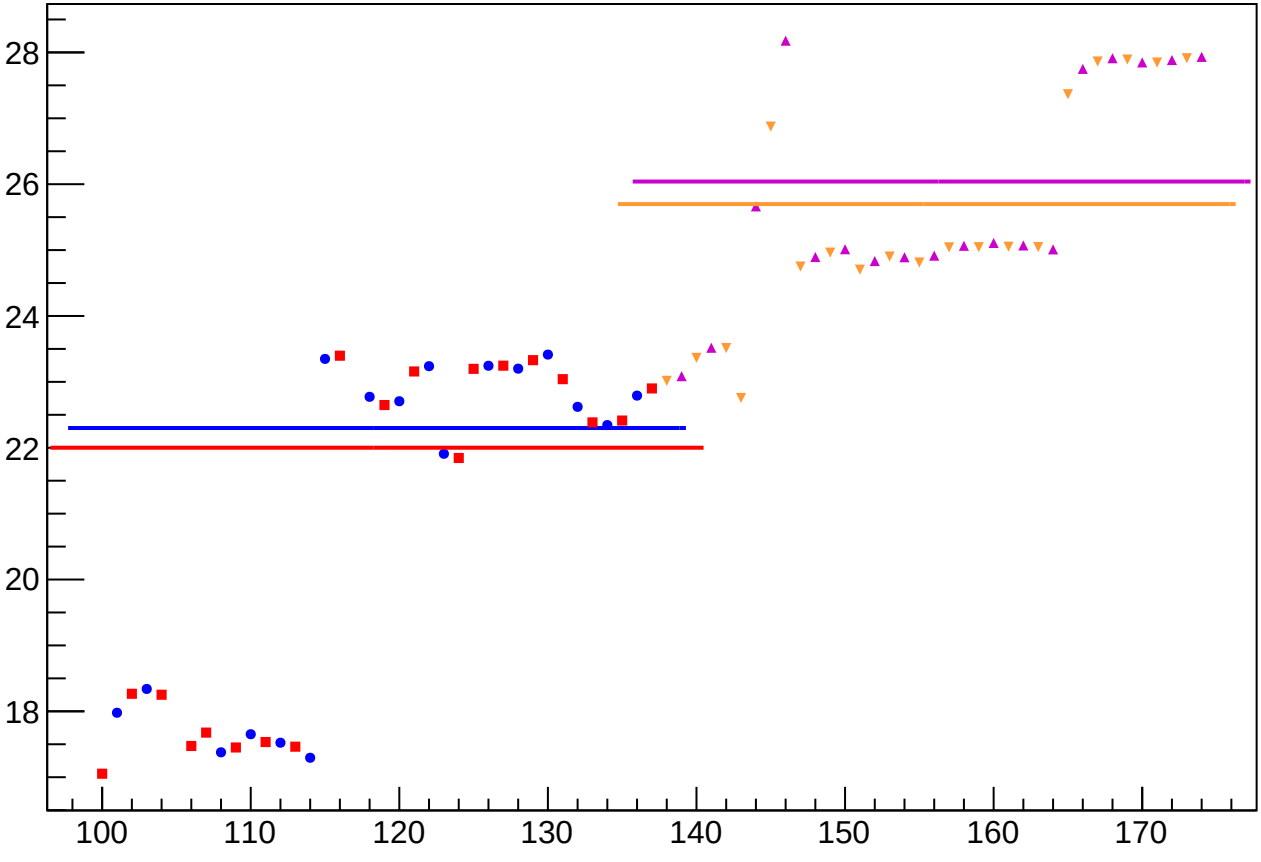
Right: 0.013+/-0.000 χ^2/NDF: 4279107.1/35

In: 0.011+/-0.000 χ^2/NDF:2764225.2/34

Out: 0.011+/-0.000 χ^2/NDF:3178349.7/37

All: 0.011+/-0.000 χ^2/NDF: 5942679.9/72

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000 χ^2/NDF: 938398636.8/16

Left Out: 25.698+/-0.000 χ^2/NDF:3052450954.7/18

Right Out: 22.001+/-0.000 χ^2/NDF: 1066041325.5/18

Left In: 26.040+/-0.000 χ^2/NDF:2402676158.6/17

Left: 25.866+/-0.000 χ^2/NDF: 5512261752.6/36

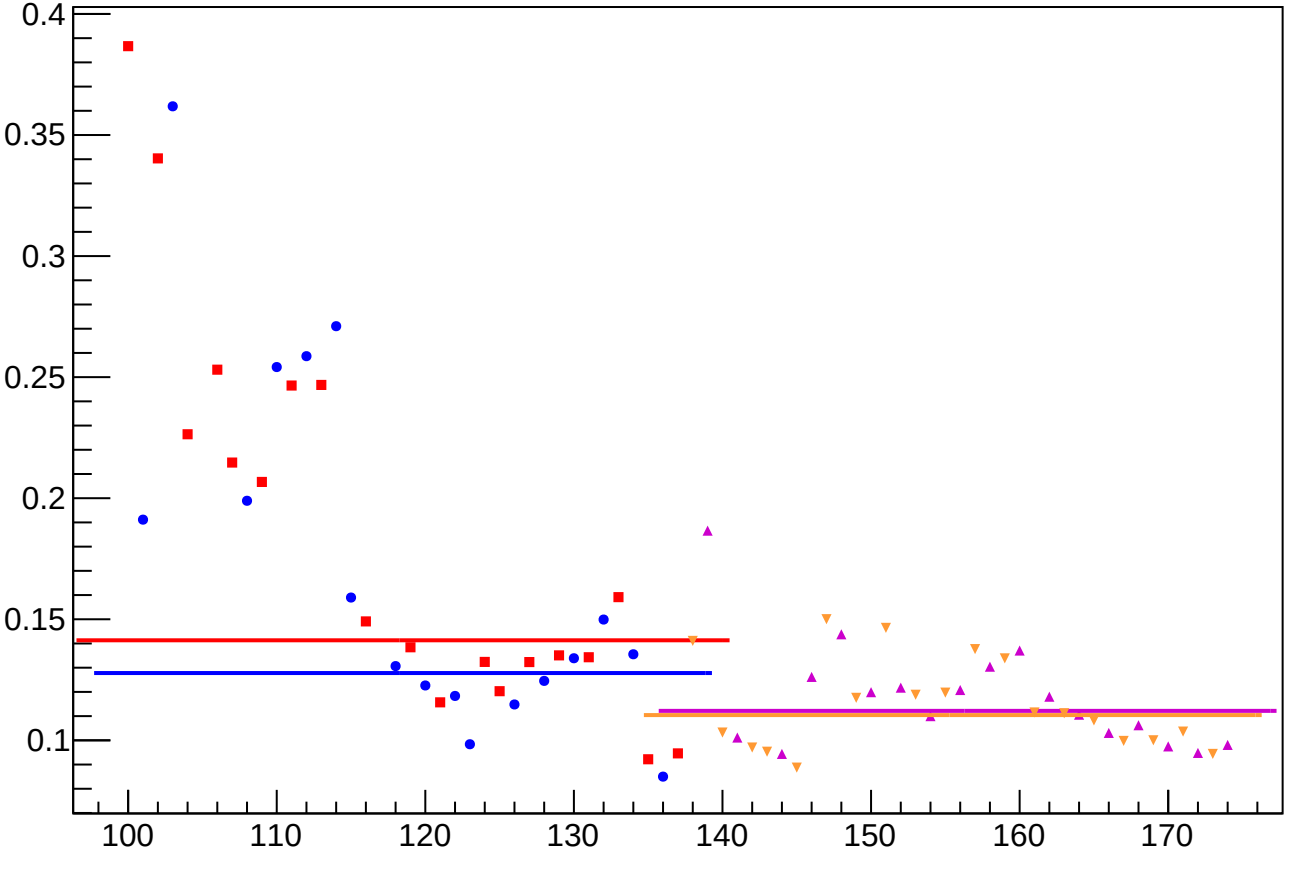
Right: 22.159+/-0.000 χ^2/NDF: 2017477949.3/35

In: 25.126+/-0.000 χ^2/NDF:6615521941.5/34

Out: 24.897+/-0.000 χ^2/NDF:7071443996.3/37

All: 25.011+/-0.000 χ^2/NDF: 13720382442.5

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: 0.112+/-0.000 χ^2/NDF:600947.9/17

Left: 0.111+/-0.000 χ^2/NDF: 1165055.3/36

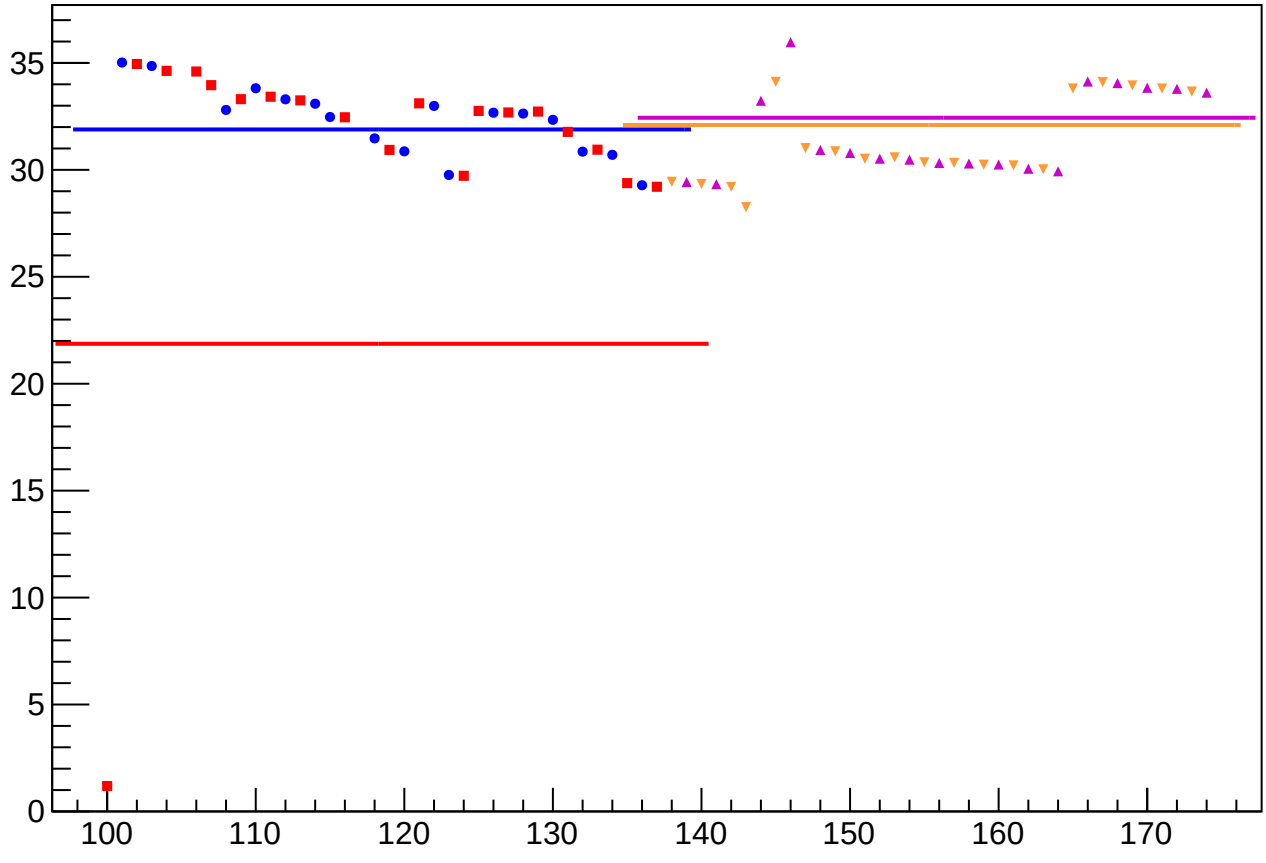
Right: 0.134+/-0.000 χ^2/NDF: 2994732.7/35

In: 0.116+/-0.000 χ^2/NDF:2207276.3/34

Out: 0.117+/-0.000 χ^2/NDF:2422509.3/37

All: 0.117+/-0.000 χ^2/NDF: 4631421.9/72

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000 χ^2/NDF: 1930403776.3/16

Left Out: 32.097+/-0.000 χ^2/NDF:11490596881.3/18

Right Out: 21.867+/-0.000 χ^2/NDF: 230068750081.7/18

Left In: 32.436+/-0.000 χ^2/NDF:11492336355.2/17

Left: 32.269+/-0.000 χ^2/NDF: 23156009913.6/36

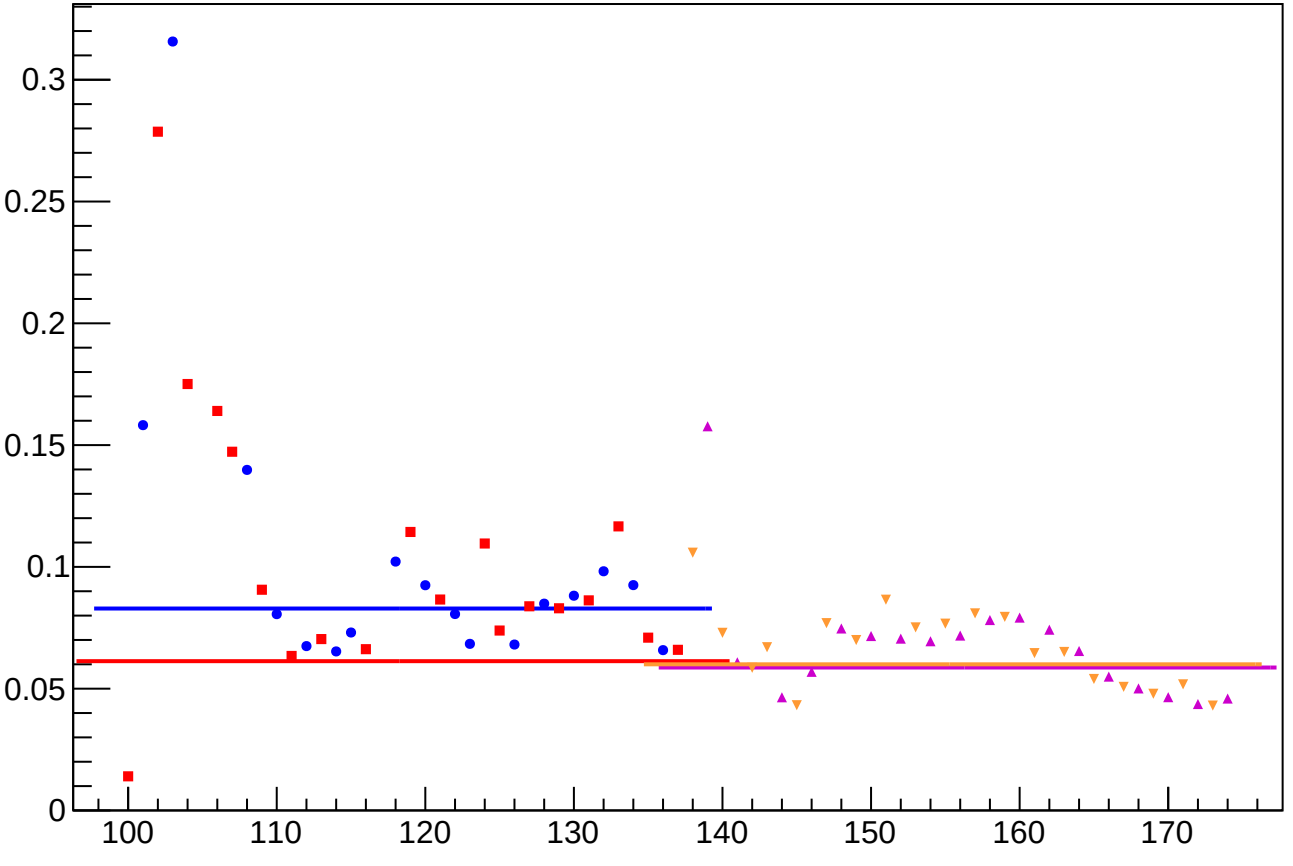
Right: 25.887+/-0.000 χ^2/NDF: 274879927198.7/35

In: 32.333+/-0.000 χ^2/NDF:13595760205.1/34

Out: 29.399+/-0.000 χ^2/NDF:323571163841.9/37

All: 30.815+/-0.000 χ^2/NDF: 353937612213.

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: 0.059+/-0.000 χ^2/NDF:1472408.9/17

Left: 0.059+/-0.000 χ^2/NDF: 2761877.0/36

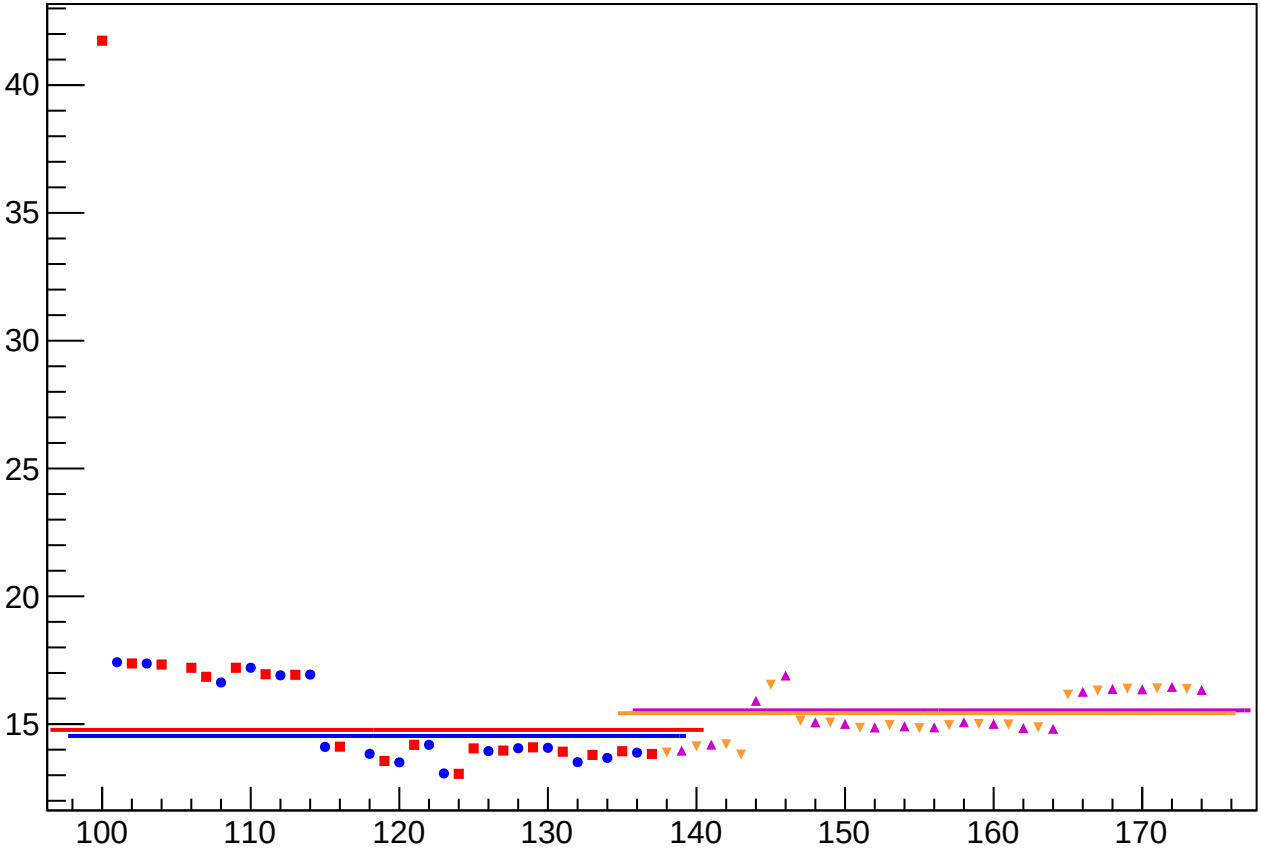
Right: 0.070+/-0.000 χ^2/NDF: 5167150.6/35

In: 0.063+/-0.000 χ^2/NDF:3315064.7/34

Out: 0.060+/-0.000 χ^2/NDF:4890742.8/37

All: 0.062+/-0.000 χ^2/NDF: 8239198.7/72

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: 15.537+/-0.000 χ^2/NDF:1810898927.6/17

Left: 15.482+/-0.000 χ^2/NDF: 4023913277.4/36

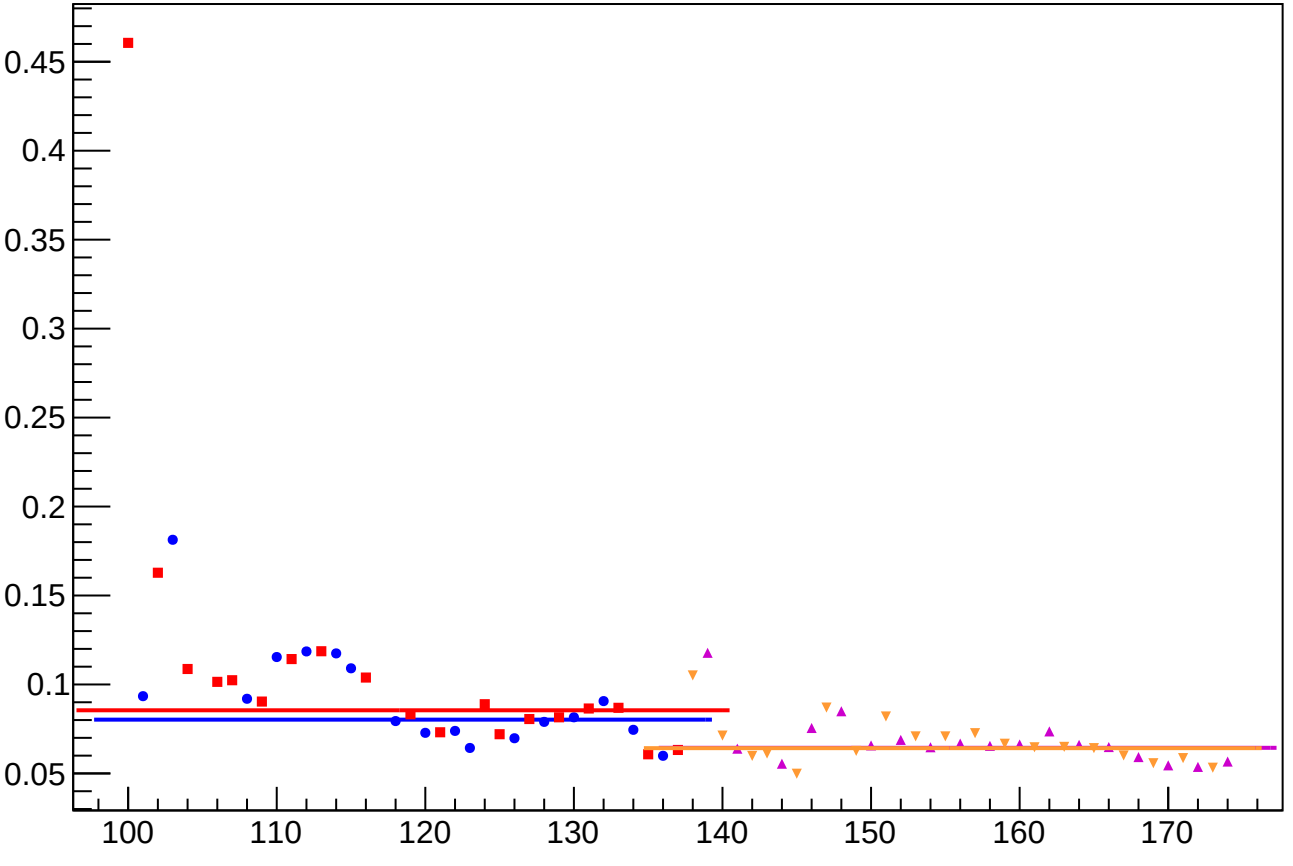
Right: 14.651+/-0.000 χ^2/NDF: 3380785876.4/35

In: 15.306+/-0.000 χ^2/NDF:3942899178.1/34

Out: 15.286+/-0.000 χ^2/NDF:4351393231.3/37

All: 15.296+/-0.000 χ^2/NDF: 8295050316.5/7

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080+/-0.000 χ^2/NDF: 778734.5/16

Left Out: 0.064+/-0.000 χ^2/NDF:624826.7/18

Right Out: 0.085+/-0.000 χ^2/NDF: 738043.0/18

Left In: 0.064+/-0.000 χ^2/NDF:602373.2/17

Left: 0.064+/-0.000 χ^2/NDF: 1227306.2/36

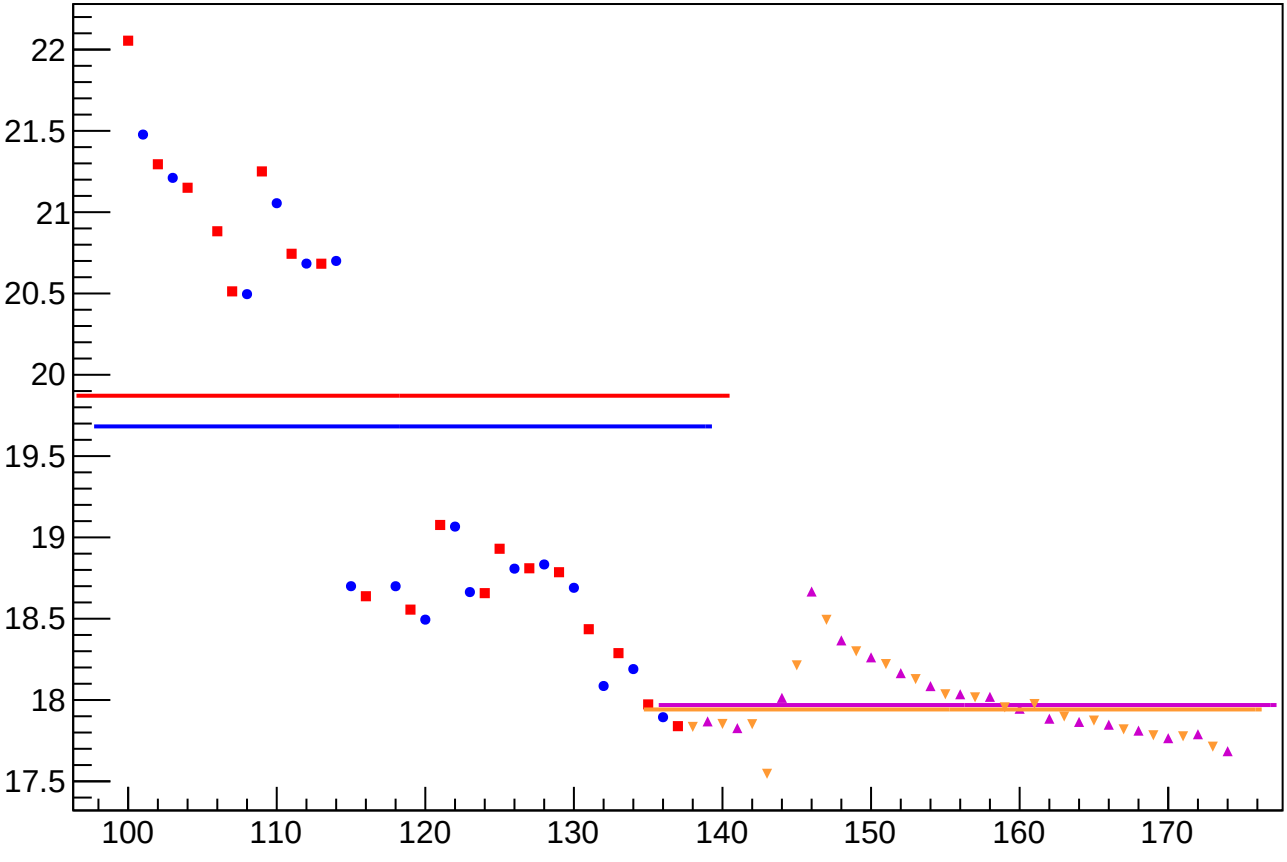
Right: 0.083+/-0.000 χ^2/NDF: 1539722.7/35

In: 0.068+/-0.000 χ^2/NDF:1711525.7/34

Out: 0.069+/-0.000 χ^2/NDF:1932814.5/37

All: 0.068+/-0.000 χ^2/NDF: 3646543.2/72

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: 17.969+/-0.000 χ^2/NDF:640703428.4/17

Left: 17.955+/-0.000 χ^2/NDF: 1238142460.9/36

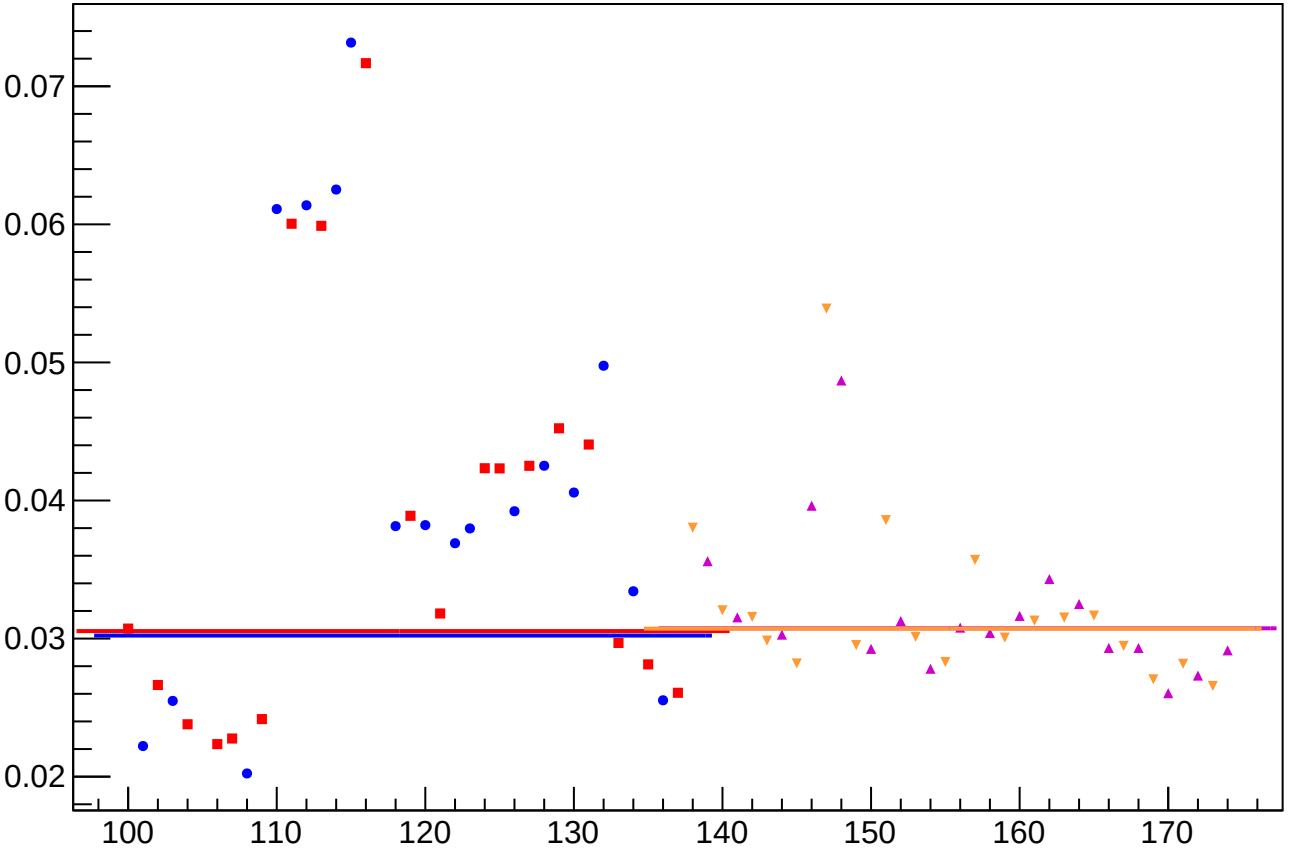
Right: 19.778+/-0.000 χ^2/NDF: 23711776447.8/35

In: 18.488+/-0.000 χ^2/NDF:25436087050.2/34

Out: 18.535+/-0.000 χ^2/NDF:28218464395.6/37

All: 18.511+/-0.000 χ^2/NDF: 53677383524.5

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:437215.1/17

Left: 0.031+/-0.000 χ^2/NDF: 968585.5/36

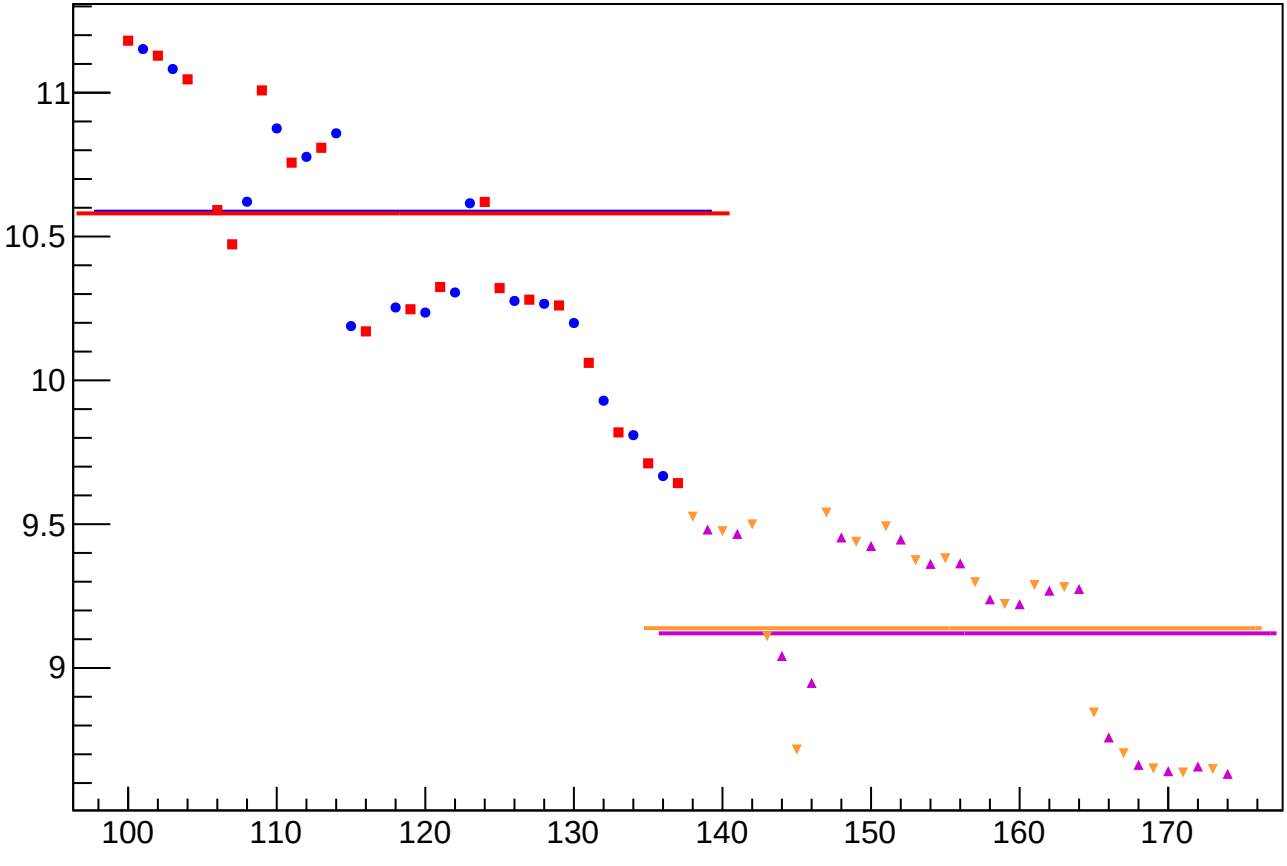
Right: 0.030+/-0.000 χ^2/NDF: 2514909.2/35

In: 0.031+/-0.000 χ^2/NDF:1764064.9/34

Out: 0.031+/-0.000 χ^2/NDF:1721365.8/37

All: 0.031+/-0.000 χ^2/NDF: 3485566.9/72

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: 9.120+/-0.000 χ^2/NDF:3345053237.5/17

Left: 9.130+/-0.000 χ^2/NDF: 7182049708.4/36

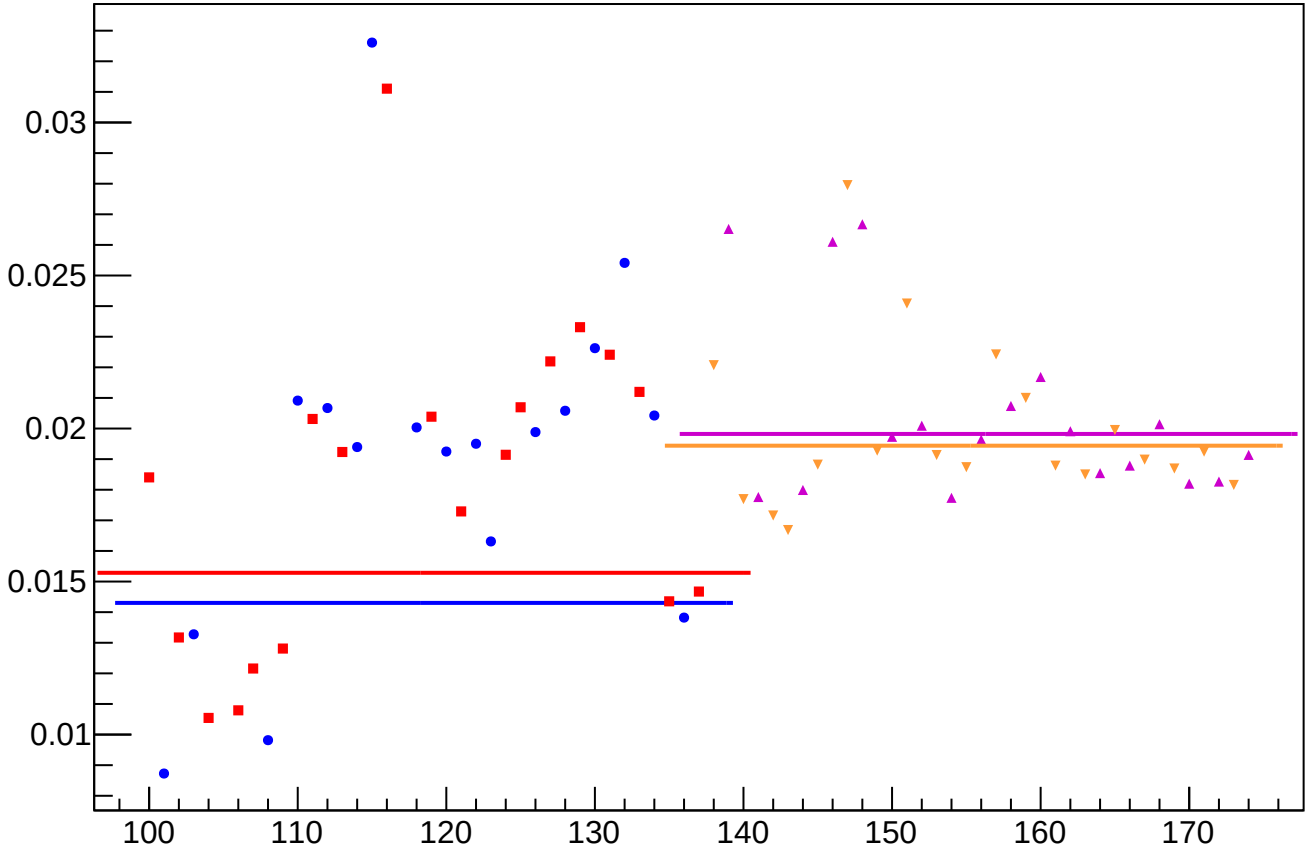
Right: 10.583+/-0.000 χ^2/NDF: 13184410027.5/35

In: 9.773+/-0.000 χ^2/NDF:41810700710.8/34

Out: 9.751+/-0.000 χ^2/NDF:39820995693.8/37

All: 9.762+/-0.000 χ^2/NDF: 81646132134.9/7

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:379463.1/17

Left: 0.020+/-0.000 χ^2/NDF: 711036.0/36

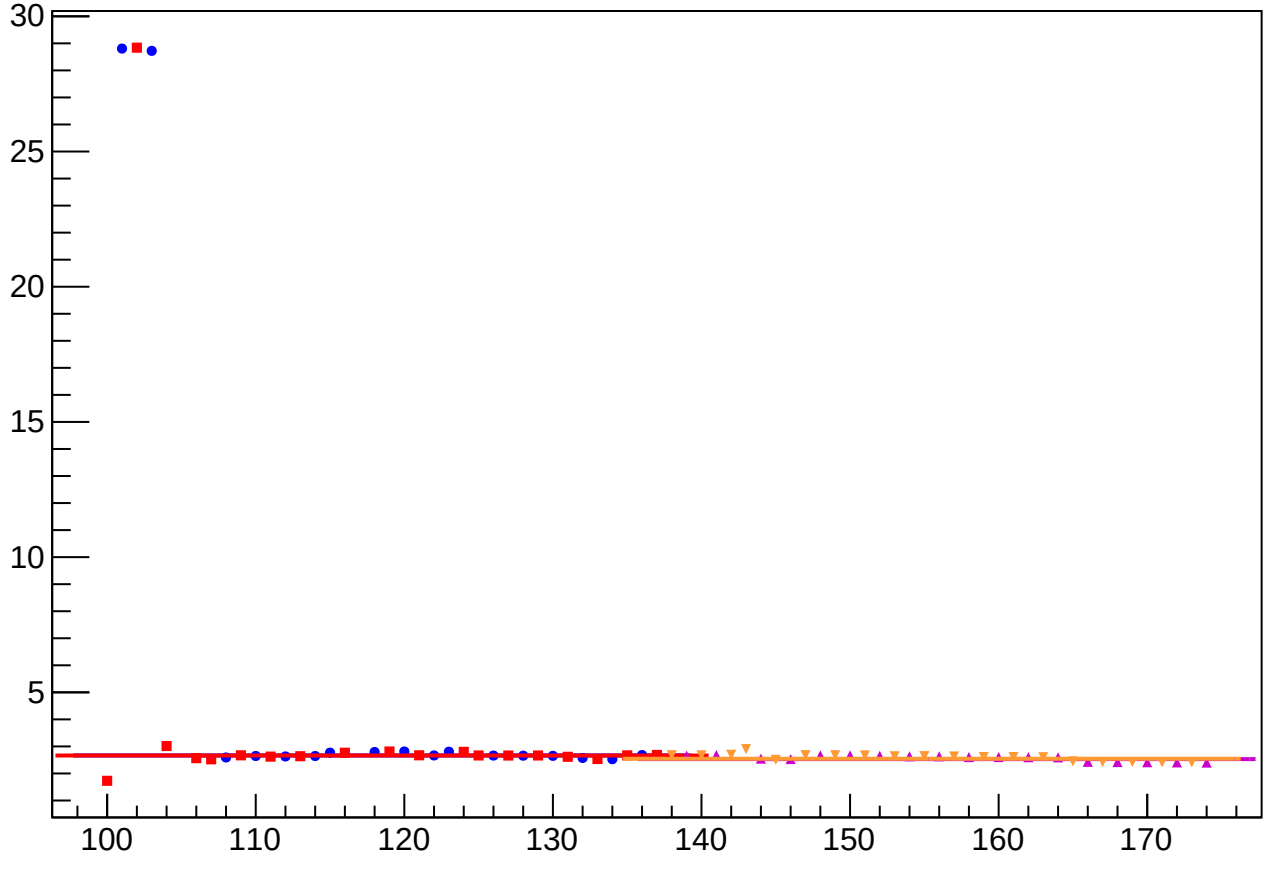
Right: 0.015+/-0.000 χ^2/NDF: 2421831.8/35

In: 0.017+/-0.000 χ^2/NDF:2668055.9/34

Out: 0.018+/-0.000 χ^2/NDF:1817228.6/37

All: 0.018+/-0.000 χ^2/NDF: 4490943.9/72

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666+/-0.000 χ^2/NDF: 163167327359.4/16

Left Out: 2.544+/-0.000 χ^2/NDF:42266664642.9/18

Right Out: 2.664+/-0.000 χ^2/NDF: 70398125461.7/18

Left In: 2.531+/-0.000 χ^2/NDF:31743233219.3/17

Left: 2.537+/-0.000 χ^2/NDF: 74252904920.8/36

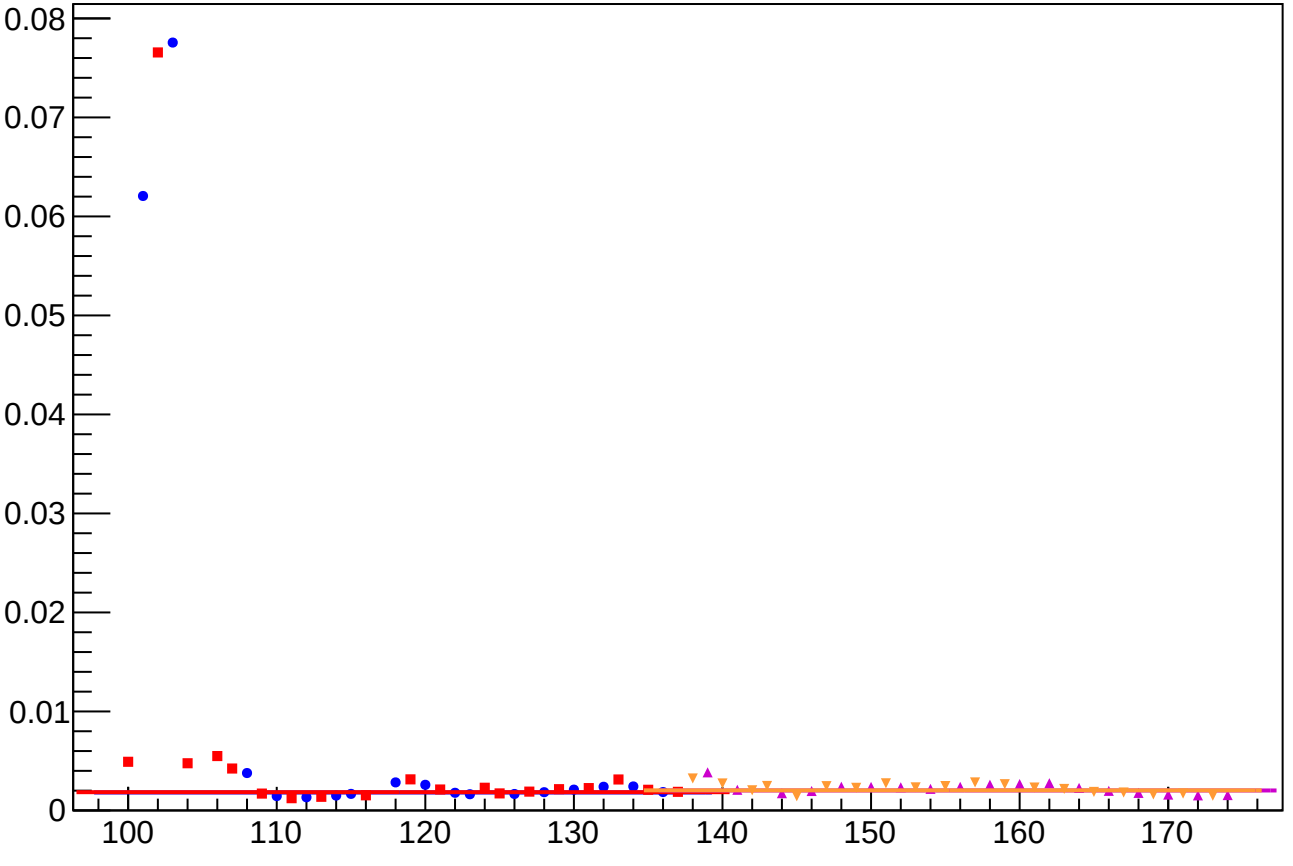
Right: 2.665+/-0.000 χ^2/NDF: 233569925265.6/35

In: 2.575+/-0.000 χ^2/NDF:211480481562.4/34

Out: 2.585+/-0.000 χ^2/NDF:126003866457.2/37

All: 2.580+/-0.000 χ^2/NDF: 337670761248.8

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:1115246.4/17

Left: 0.002+/-0.000 χ^2/NDF: 2364548.0/36

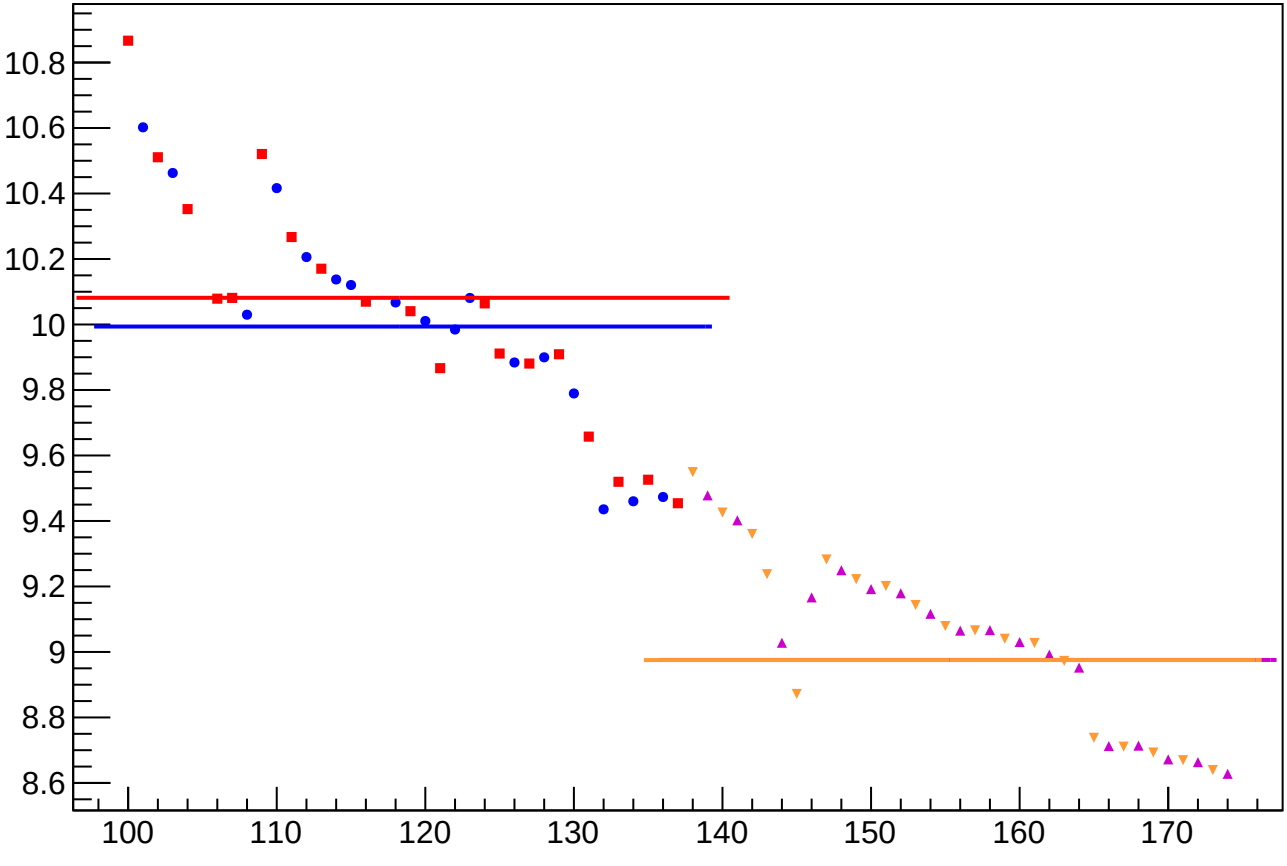
Right: 0.002+/-0.000 χ^2/NDF: 4993749.3/35

In: 0.002+/-0.000 χ^2/NDF:3850042.8/34

Out: 0.002+/-0.000 χ^2/NDF:3643783.7/37

All: 0.002+/-0.000 χ^2/NDF: 7494801.7/72

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994+/-0.000 χ^2/NDF: 18815741664.6/16

Left Out: 8.975+/-0.000 χ^2/NDF:19450877675.5/18

Right Out: 10.082+/-0.000 χ^2/NDF: 15502695798.7/18

Left In: 8.976+/-0.000 χ^2/NDF:18281670183.3/17

Left: 8.975+/-0.000 χ^2/NDF: 37732567722.0/36

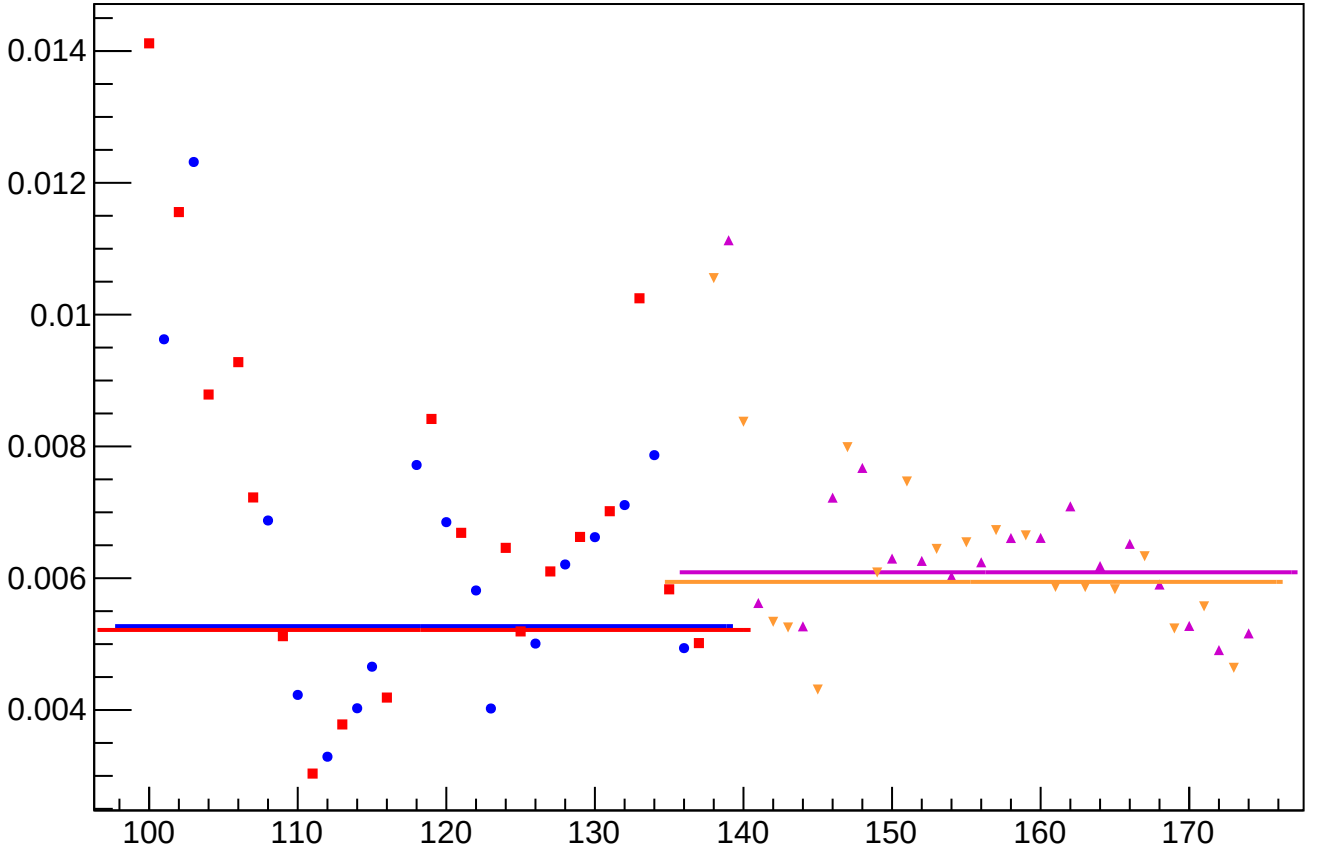
Right: 10.039+/-0.000 χ^2/NDF: 35036056098.5/35

In: 9.355+/-0.000 χ^2/NDF:154767196667.0/34

Out: 9.389+/-0.000 χ^2/NDF:182194040259.7/37

All: 9.372+/-0.000 χ^2/NDF: 337256893182.1

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:603815.9/17

Left: 0.006+/-0.000 χ^2/NDF: 1455272.8/36

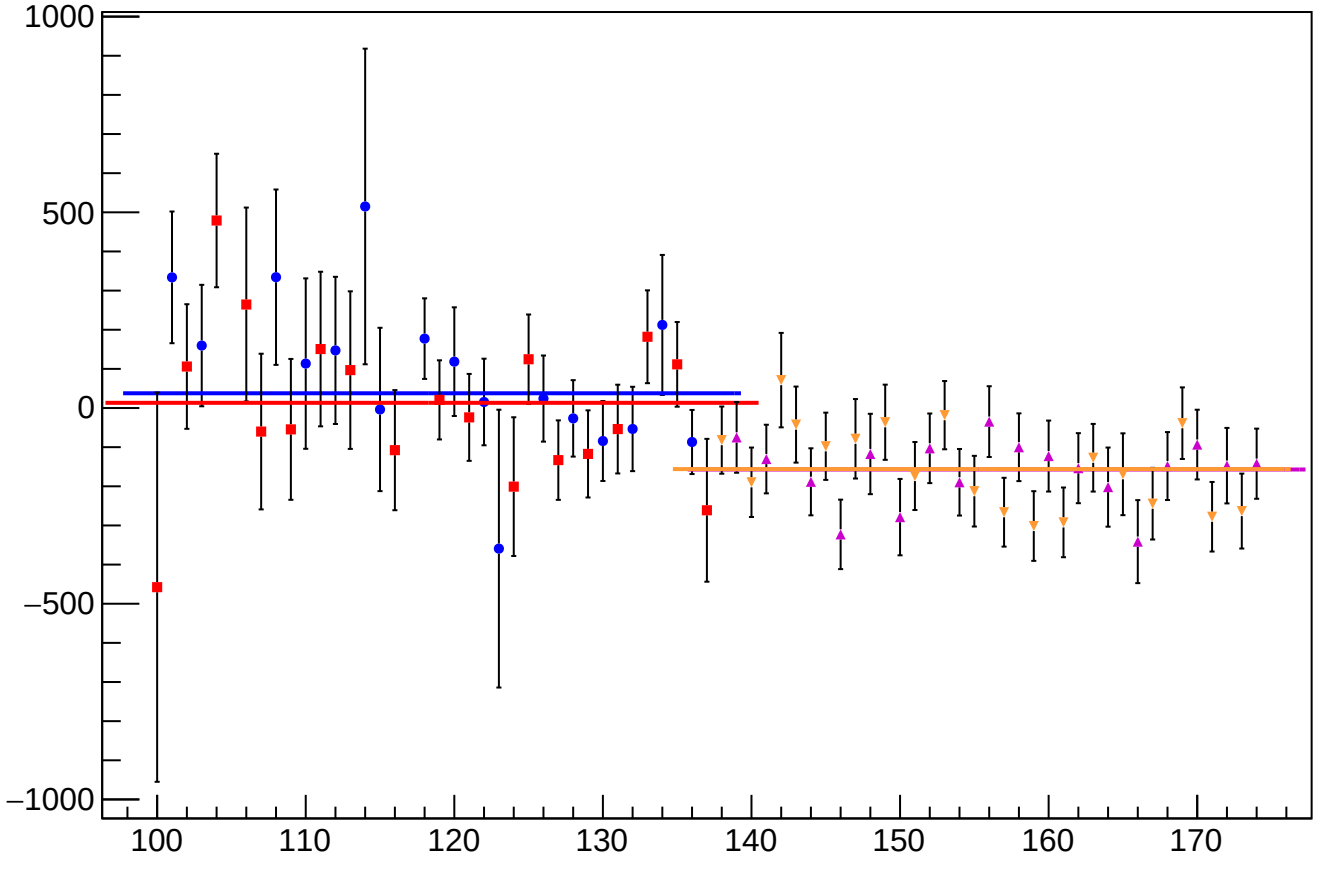
Right: 0.005+/-0.000 χ^2/NDF: 2904141.2/35

In: 0.006+/-0.000 χ^2/NDF:2000974.3/34

Out: 0.006+/-0.000 χ^2/NDF:2630790.4/37

All: 0.006+/-0.000 χ^2/NDF: 4638308.3/72

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694+/-32.253 χ^2/NDF: 16.7/16

Left Out: -156.048+/-21.096 χ^2/NDF:23.7/18

Right Out: 13.278+/-32.066 χ^2/NDF: 22.7/18

Left In: -157.067+/-21.512 χ^2/NDF:12.9/17

Left: -156.547+/-15.062 χ^2/NDF: 36.7/36

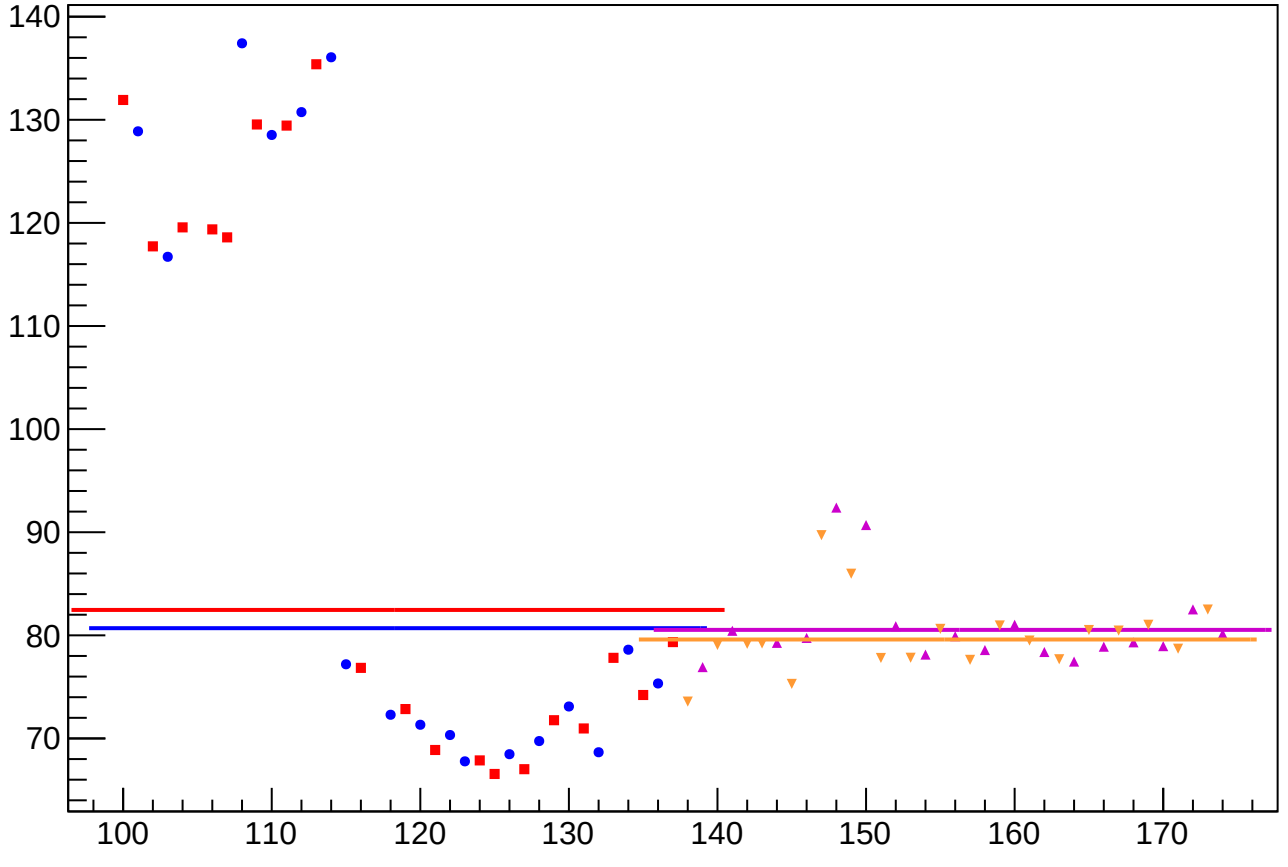
Right: 25.415+/-22.740 χ^2/NDF: 39.7/35

In: -97.103+/-17.897 χ^2/NDF:54.9/34

Out: -104.899+/-17.624 χ^2/NDF:65.9/37

All: -101.061+/-12.557 χ^2/NDF: 120.9/72

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694+/-0.023 χ^2/NDF: 814026.4/16

Left Out: 79.597+/-0.015 χ^2/NDF:50960.6/18

Right Out: 82.464+/-0.023 χ^2/NDF: 914878.0/18

Left In: 80.530+/-0.015 χ^2/NDF:60366.1/17

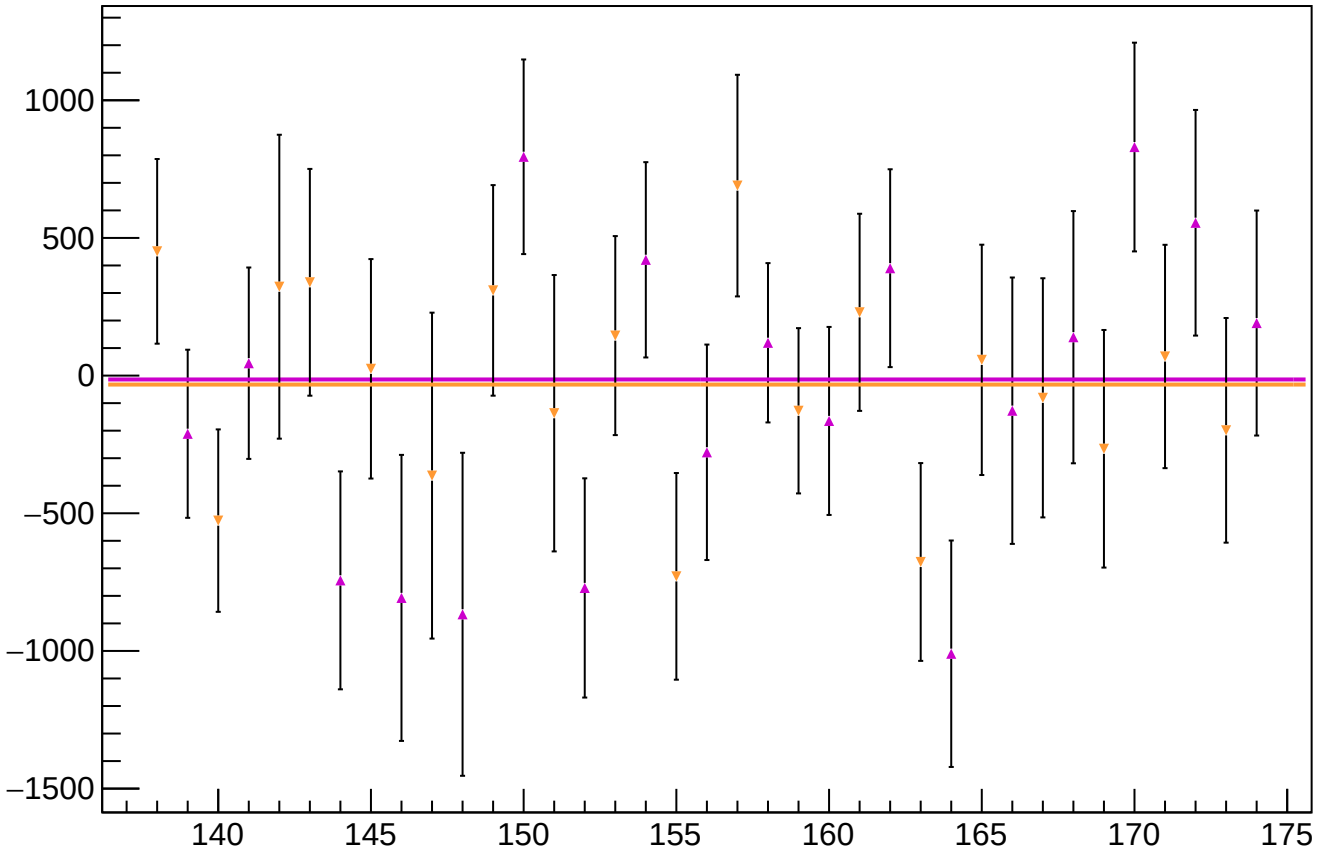
Left: 80.054+/-0.011 χ^2/NDF: 113241.3/36

Right: 81.584+/-0.016 χ^2/NDF: 1731931.3/35

In: 80.580+/-0.013 χ^2/NDF:874428.5/34

Out: 80.463+/-0.012 χ^2/NDF:976990.9/37

All: 80.521+/-0.009 χ^2/NDF: 1851463.0/72



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: -14.025+/-90.192 χ^2/NDF:34.0/17

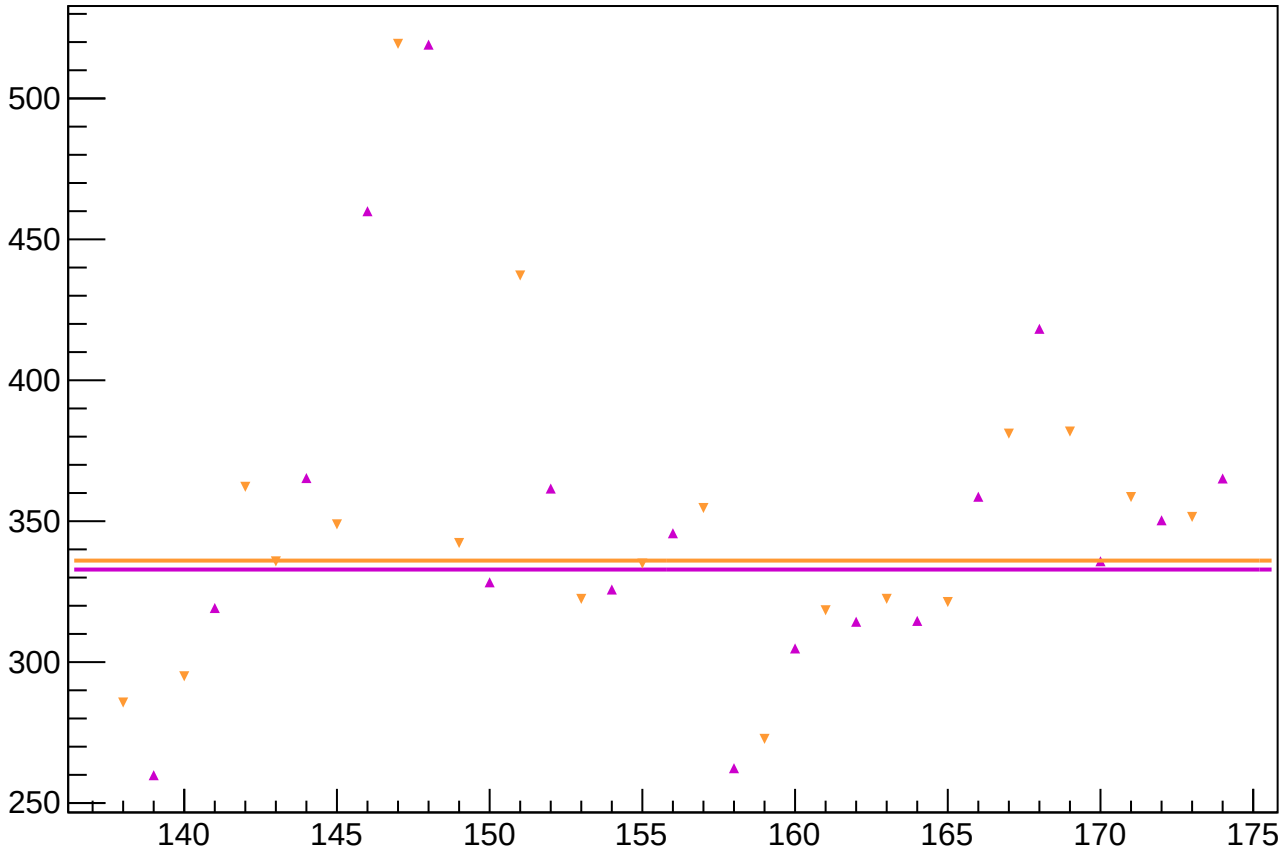
Left: -23.296+/-63.740 χ^2/NDF: 52.0/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -14.025+/-90.192 χ^2/NDF:34.0/17

Out: -32.547+/-90.093 χ^2/NDF:18.1/18

All: -23.296+/-63.740 χ^2/NDF: 52.0/36



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: 332.845+/-0.064 χ^2/NDF:698898.4/17

Left: 334.437+/-0.045 χ^2/NDF: 1215480.2/36

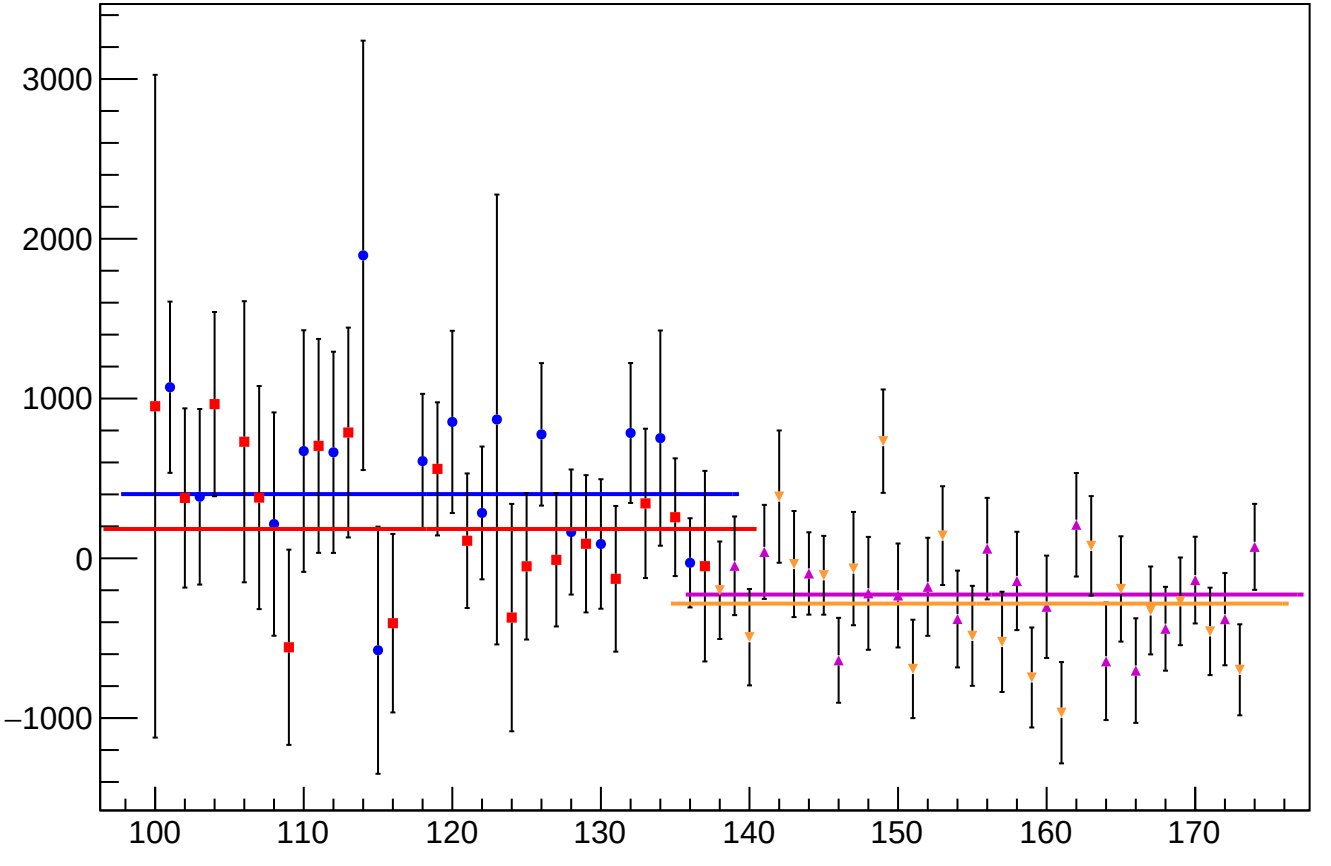
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 332.845+/-0.064 χ^2/NDF:698898.4/17

Out: 336.025+/-0.064 χ^2/NDF:515337.2/18

All: 334.437+/-0.045 χ^2/NDF: 1215480.2/36

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: -226.870+/-70.603 χ^2/NDF:12.6/17

Left: -255.445+/-49.726 χ^2/NDF: 42.9/36

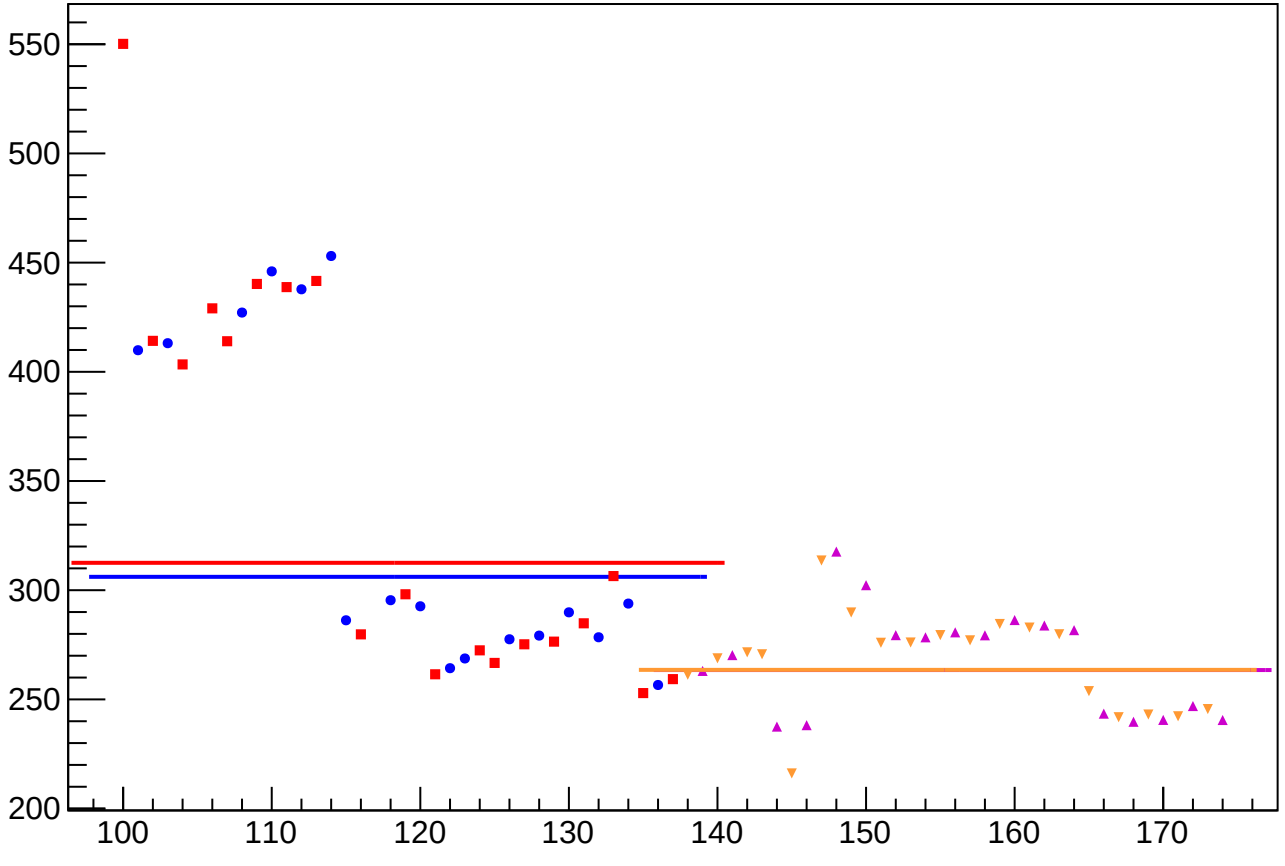
Right: 292.034+/-85.342 χ^2/NDF: 21.9/35

In: -67.270+/-60.987 χ^2/NDF:43.6/34

Out: -165.370+/-60.538 χ^2/NDF:50.6/37

All: -116.682+/-42.965 χ^2/NDF: 95.5/72

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: 263.439+/-0.050 χ^2/NDF:218512.1/17

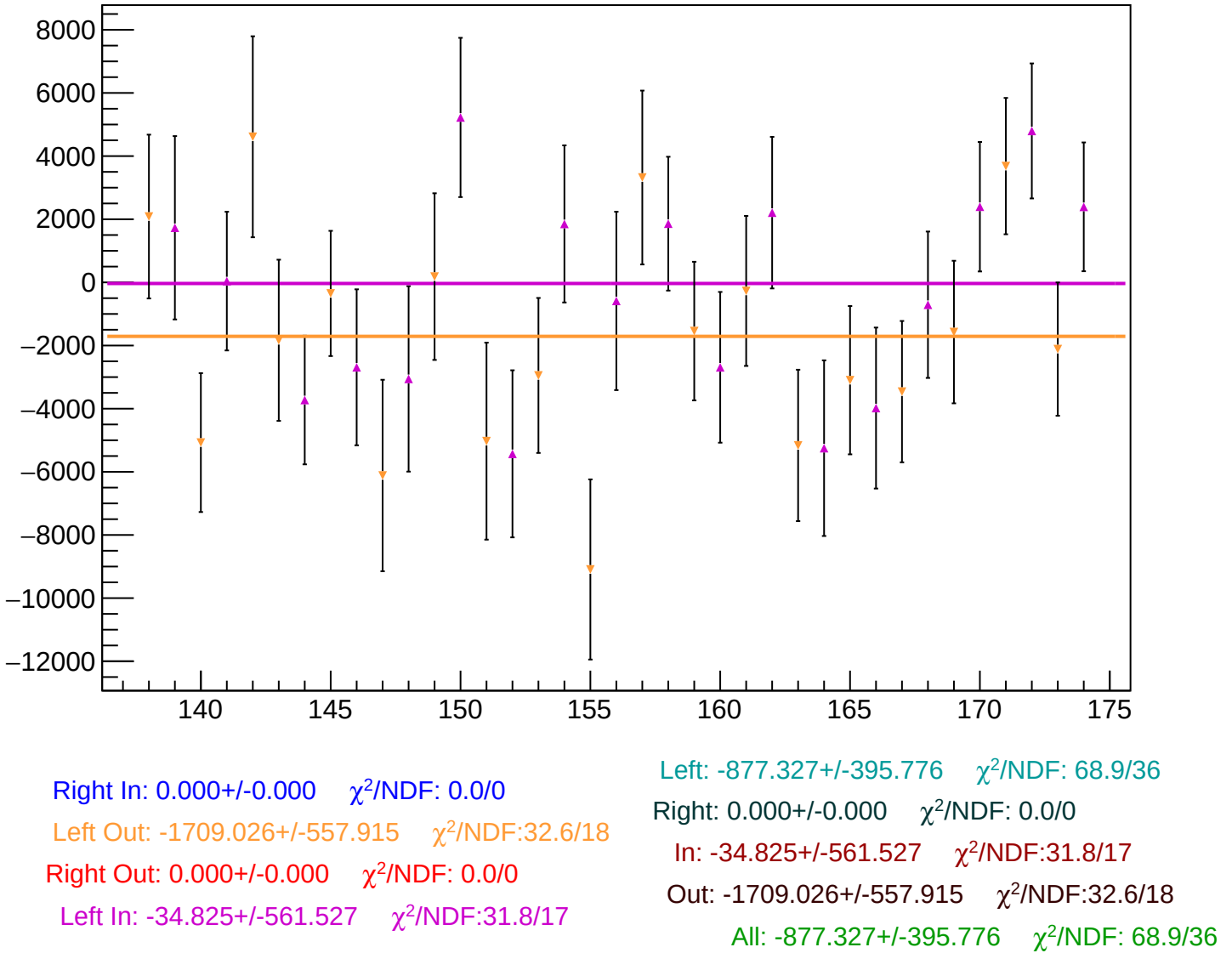
Left: 263.482+/-0.035 χ^2/NDF: 430562.9/36

Right: 309.352+/-0.060 χ^2/NDF: 1137034.2/35

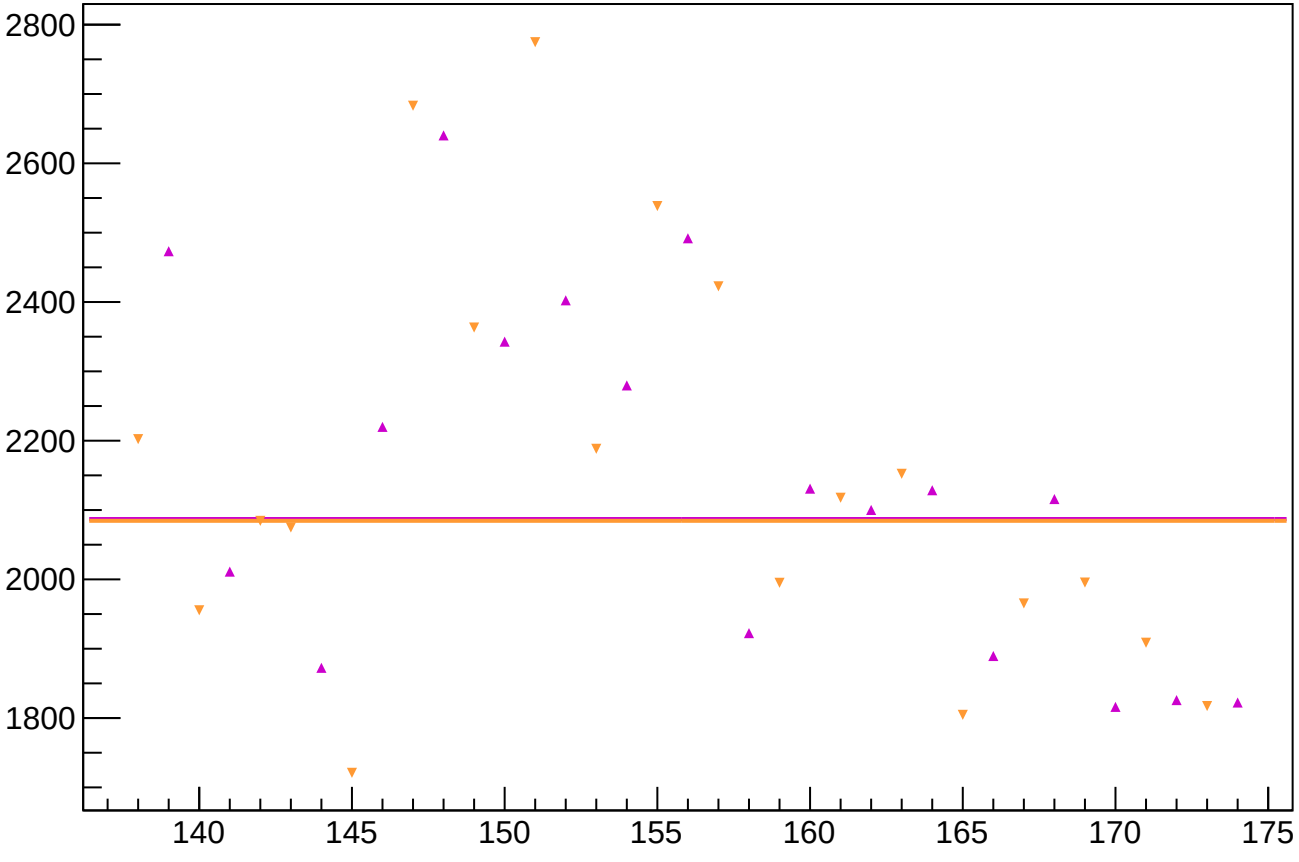
In: 274.274+/-0.043 χ^2/NDF:912508.7/34

Out: 275.929+/-0.043 χ^2/NDF:1085694.4/37

All: 275.108+/-0.030 χ^2/NDF: 1998944.7/72


asym_sam2_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
140
145
150
155
160
165
170
175
Right In: 0.000+/-0.000 χ²/NDF: 0.0/0
Left Out: -1709.026+/-557.915 χ²/NDF:32.6/18
Right Out: 0.000+/-0.000 χ²/NDF: 0.0/0
Left In: -34.825+/-561.527 χ²/NDF:31.8/17
Left: -877.327+/-395.776 χ²/NDF: 68.9/36
Right: 0.000+/-0.000 χ²/NDF: 0.0/0
In: -34.825+/-561.527 χ²/NDF:31.8/17
Out: -1709.026+/-557.915 χ²/NDF:32.6/18
All: -877.327+/-395.776 χ²/NDF: 68.9/36

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: 2087.046+/-0.397 χ^2/NDF:362761.7/17

Left: 2085.747+/-0.280 χ^2/NDF: 811369.0/36

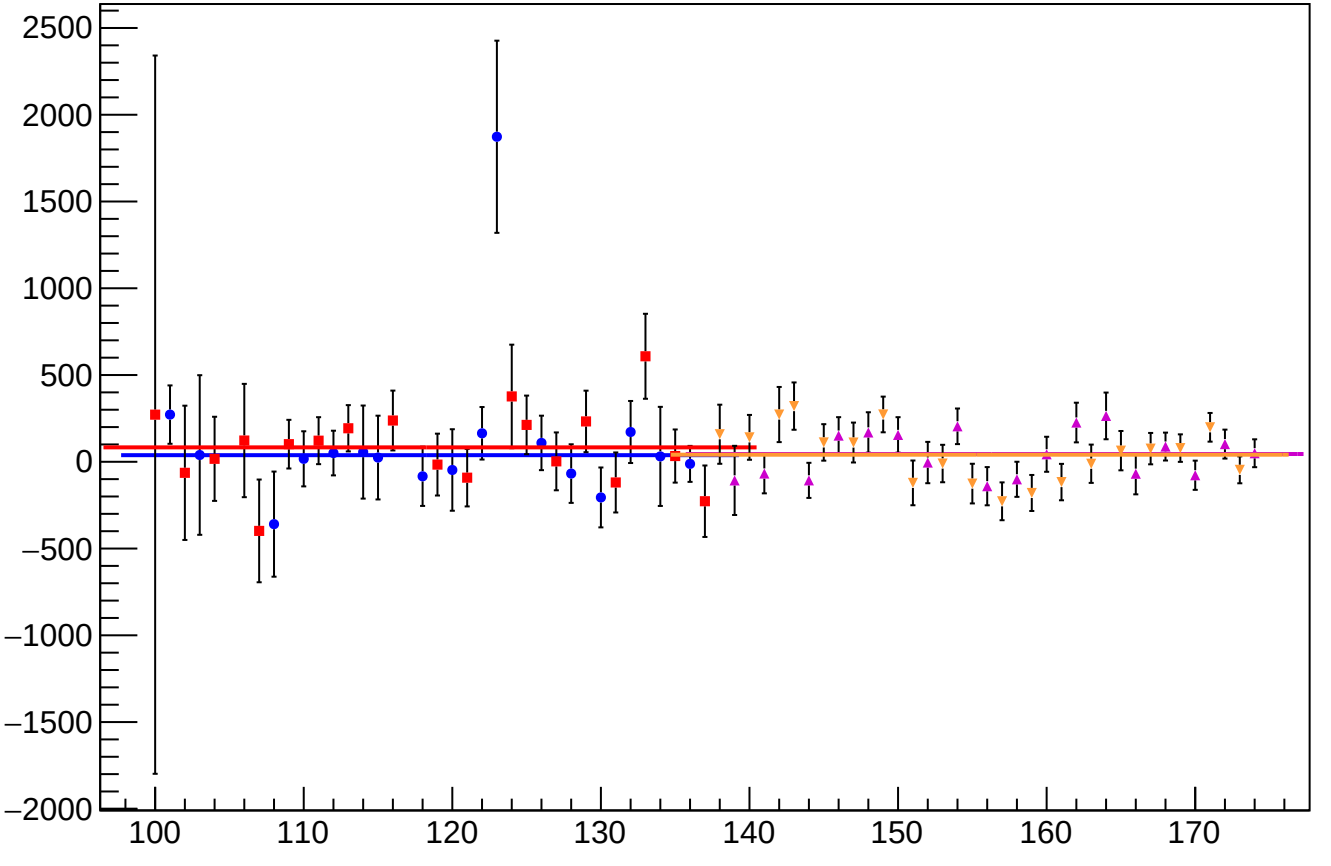
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 2087.046+/-0.397 χ^2/NDF:362761.7/17

Out: 2084.464+/-0.395 χ^2/NDF:448586.0/18

All: 2085.747+/-0.280 χ^2/NDF: 811369.0/36

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: 44.834+/-24.262 χ^2/NDF:23.6/17

Left: 42.862+/-17.171 χ^2/NDF: 59.3/36

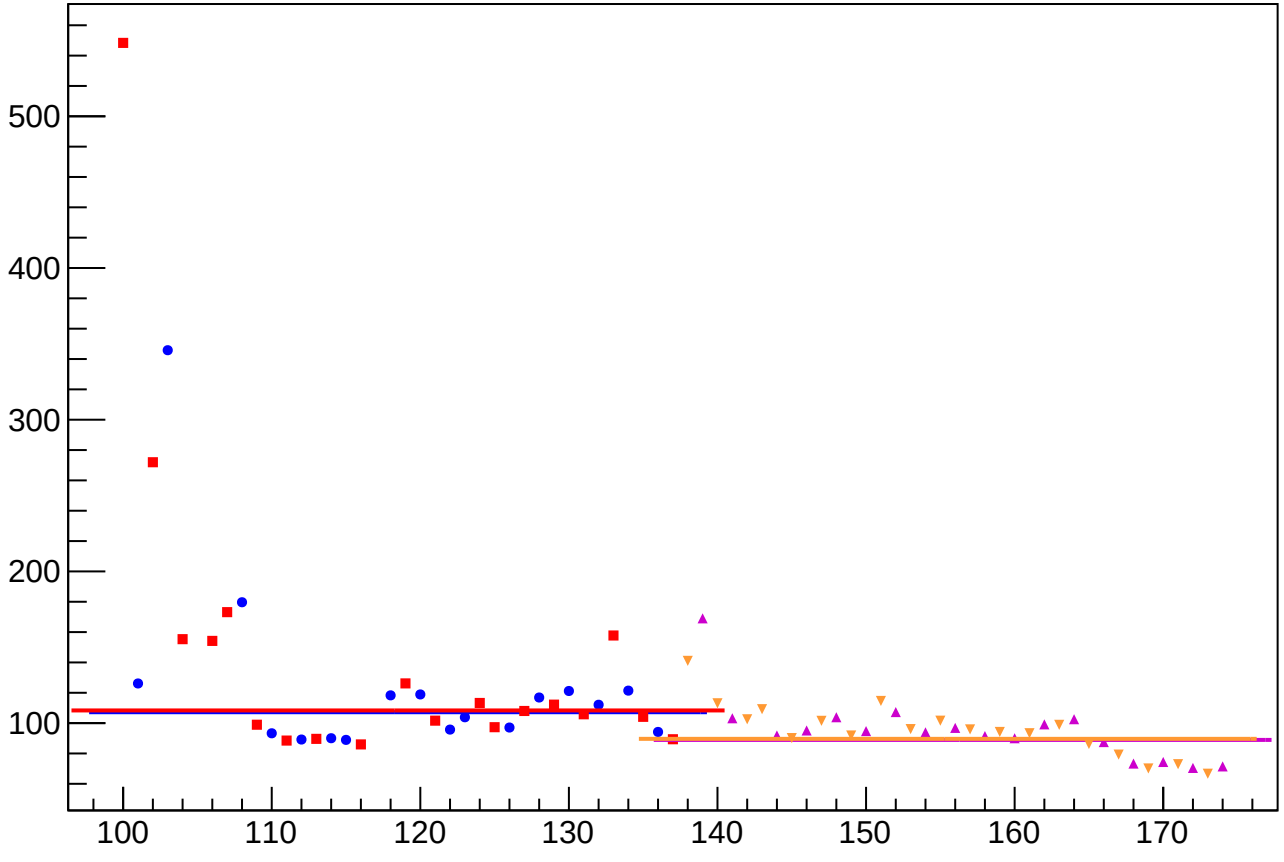
Right: 60.847+/-30.633 χ^2/NDF: 36.7/35

In: 43.245+/-21.195 χ^2/NDF:43.0/34

Out: 51.070+/-21.170 χ^2/NDF:53.1/37

All: 47.162+/-14.978 χ^2/NDF: 96.2/72

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189+/-0.031 χ^2/NDF: 843115.1/16

Left Out: 89.634+/-0.017 χ^2/NDF:862456.8/18

Right Out: 108.359+/-0.030 χ^2/NDF: 917287.7/18

Left In: 88.930+/-0.017 χ^2/NDF:831133.9/17

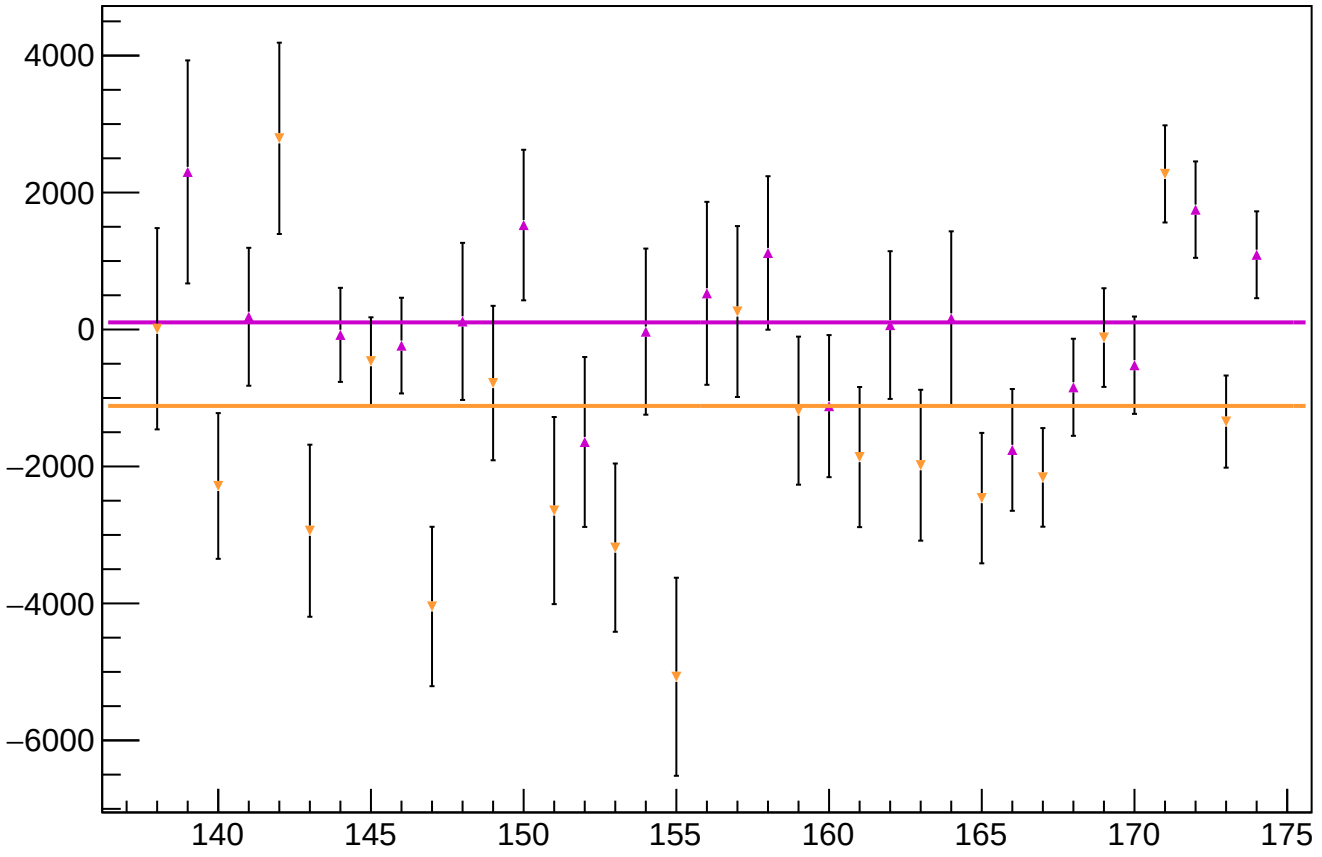
Left: 89.281+/-0.012 χ^2/NDF: 1694429.3/36

Right: 107.780+/-0.022 χ^2/NDF: 1761132.0/35

In: 93.255+/-0.015 χ^2/NDF:1942551.0/34

Out: 94.152+/-0.015 χ^2/NDF:2066197.1/37

All: 93.704+/-0.011 χ^2/NDF: 4010538.4/72



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: 103.883+/-213.441 χ^2/NDF:23.0/17

Left: -486.001+/-153.378 χ^2/NDF: 100.8/36

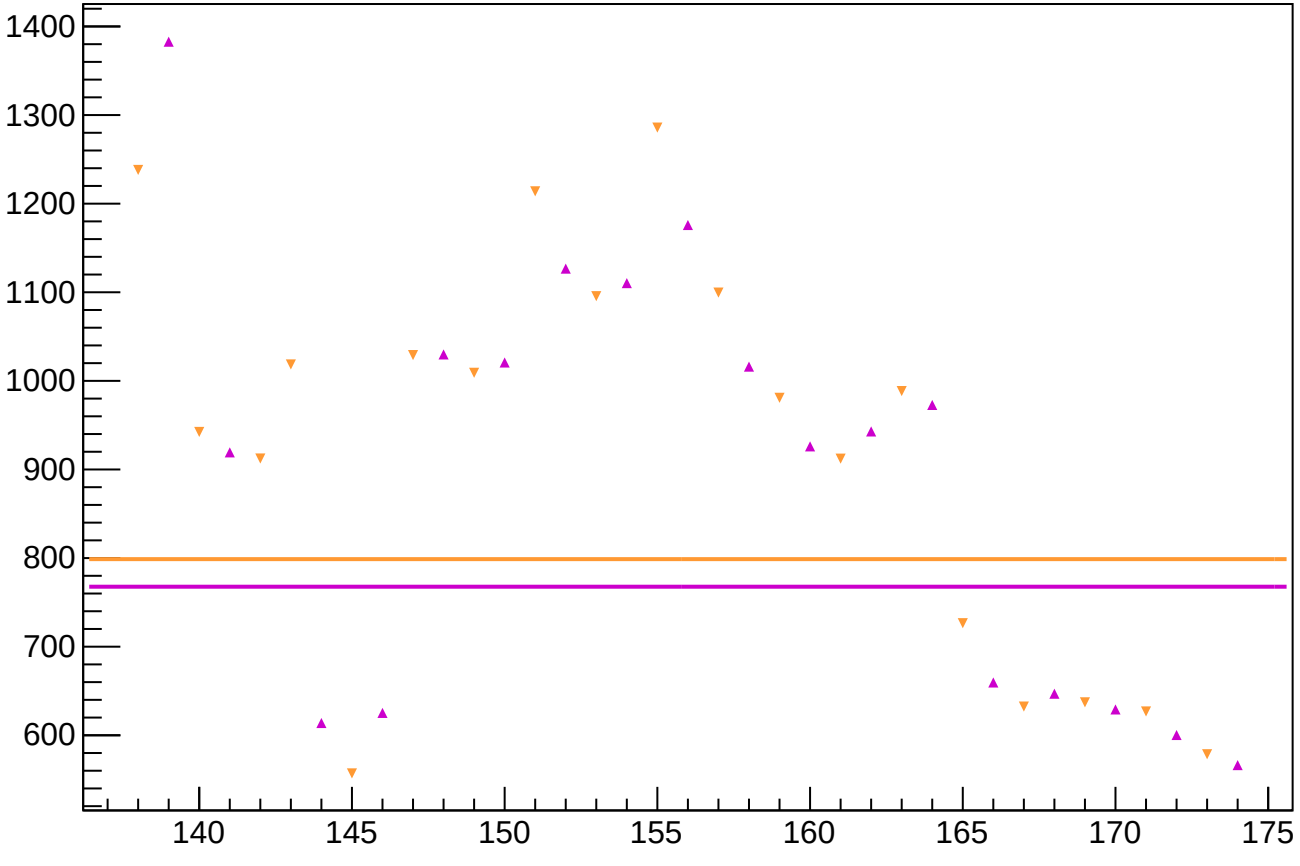
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 103.883+/-213.441 χ^2/NDF:23.0/17

Out: -1115.853+/-220.553 χ^2/NDF:62.1/18

All: -486.001+/-153.378 χ^2/NDF: 100.8/36

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: 767.694+/-0.151 χ^2/NDF:1966262.9/17

Left: 782.743+/-0.108 χ^2/NDF: 4044335.7/36

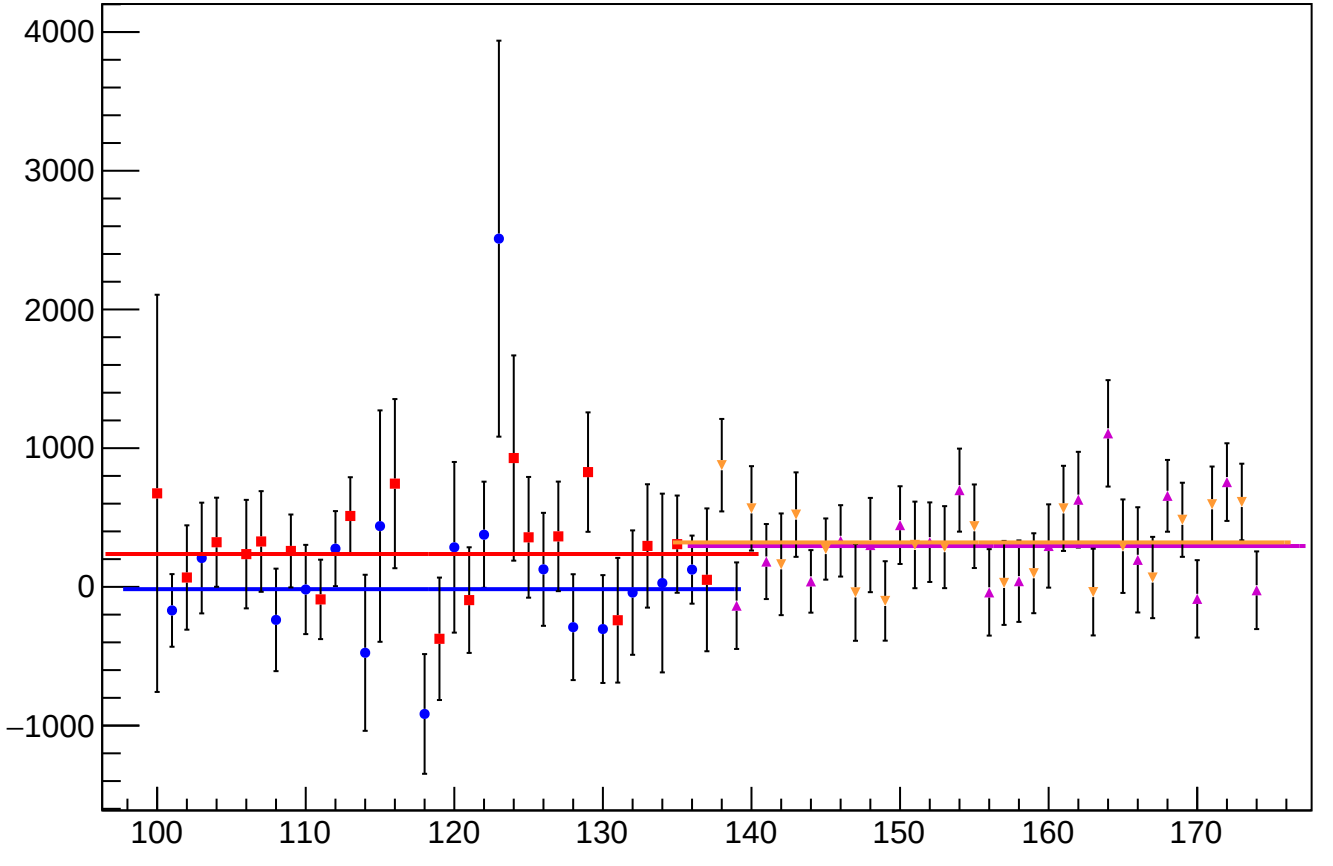
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 767.694+/-0.151 χ^2/NDF:1966262.9/17

Out: 798.811+/-0.156 χ^2/NDF:2057516.1/18

All: 782.743+/-0.108 χ^2/NDF: 4044335.7/36

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459+/-93.285 χ^2/NDF: 13.4/16

Left Out: 320.531+/-67.948 χ^2/NDF:14.2/18

Right Out: 236.984+/-88.937 χ^2/NDF: 10.3/18

Left In: 294.533+/-68.707 χ^2/NDF:20.7/17

Left: 307.676+/-48.313 χ^2/NDF: 35.0/36

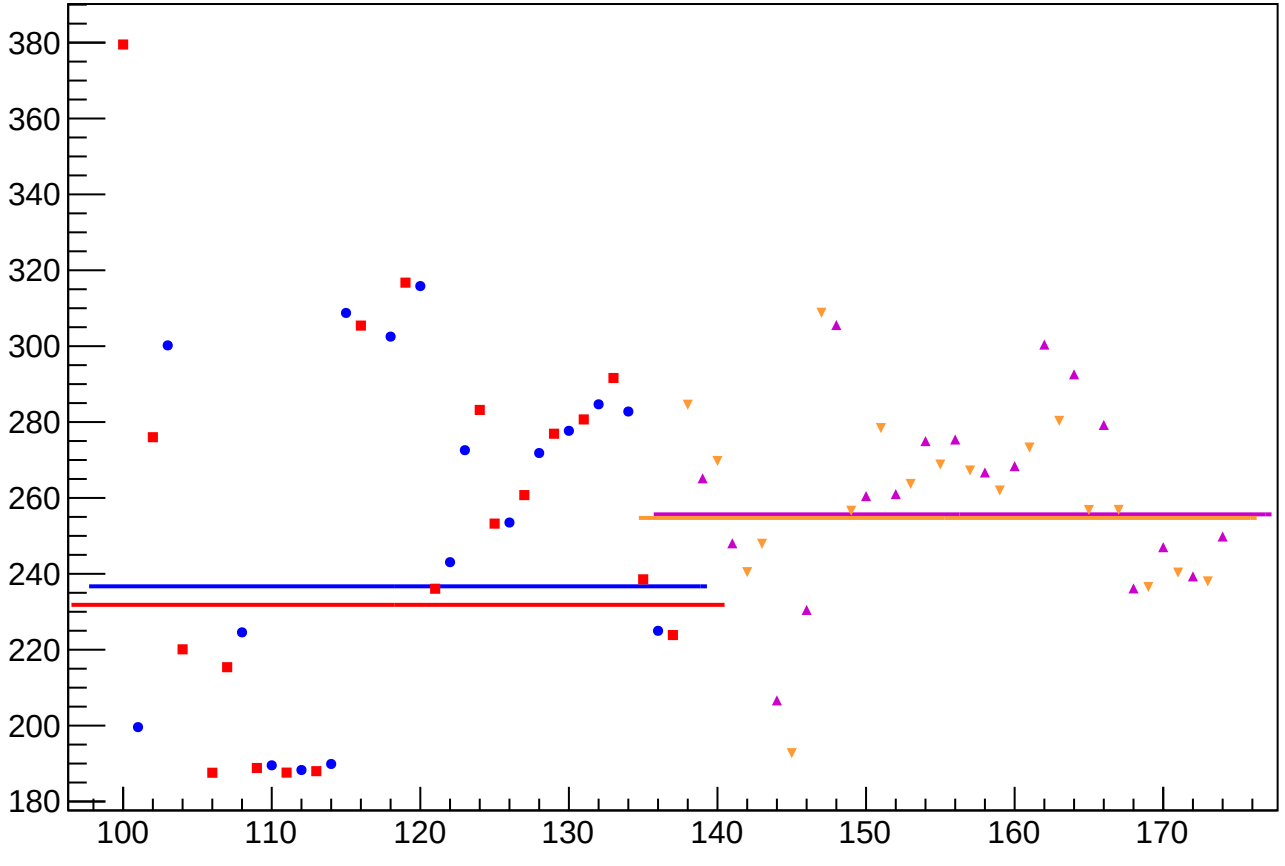
Right: 116.305+/-64.370 χ^2/NDF: 27.6/35

In: 185.159+/-55.321 χ^2/NDF:41.3/34

Out: 289.738+/-53.993 χ^2/NDF:25.1/37

All: 238.719+/-38.640 χ^2/NDF: 68.3/72

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706+/-0.066 χ^2/NDF: 390344.9/16

Left Out: 254.732+/-0.048 χ^2/NDF:296492.3/18

Right Out: 231.828+/-0.063 χ^2/NDF: 443276.3/18

Left In: 255.672+/-0.049 χ^2/NDF:265151.1/17

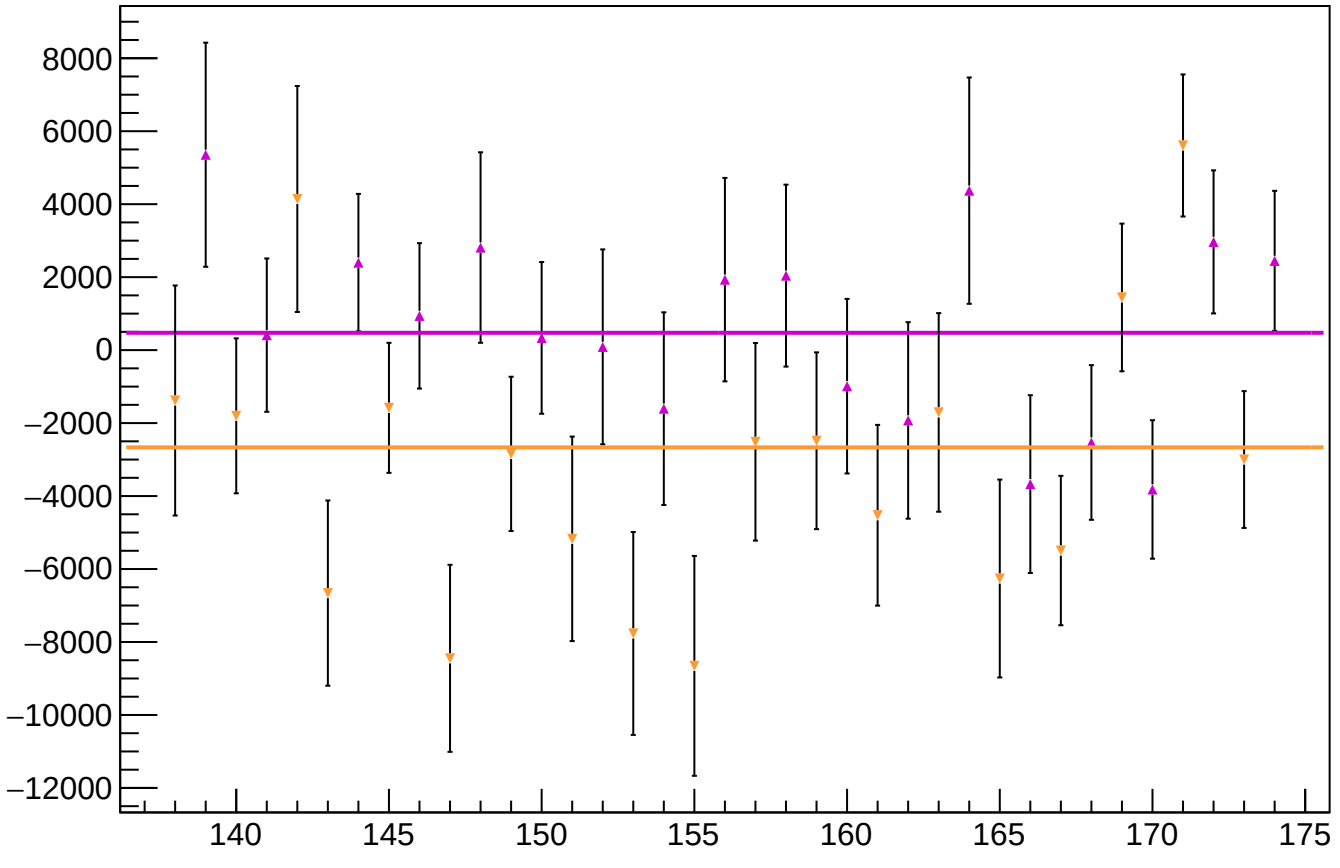
Left: 255.197+/-0.034 χ^2/NDF: 561832.7/36

Right: 234.151+/-0.046 χ^2/NDF: 836486.0/35

In: 249.002+/-0.039 χ^2/NDF:709091.6/34

Out: 246.290+/-0.038 χ^2/NDF:823521.9/37

All: 247.613+/-0.027 χ^2/NDF: 1535074.0/72



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: 475.001+/-539.661 χ^2/NDF:21.2/17

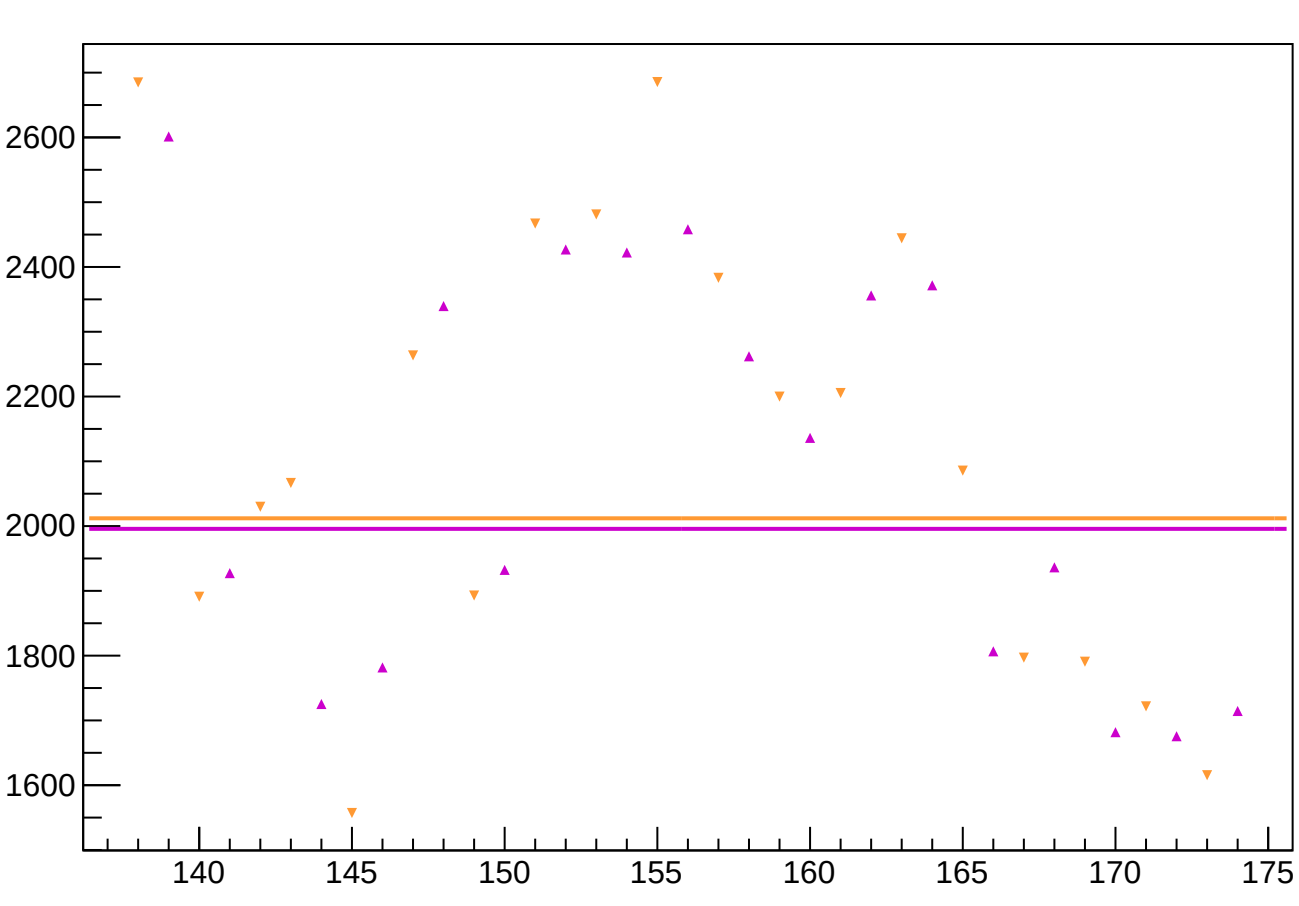
Left: -1090.069+/-382.211 χ^2/NDF: 85.9/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 475.001+/-539.661 χ^2/NDF:21.2/17

Out: -2665.244+/-541.400 χ^2/NDF:47.8/18

All: -1090.069+/-382.211 χ^2/NDF: 85.9/36



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: 1995.724+/-0.382 χ^2/NDF:599513.7/17

Left: 2003.840+/-0.270 χ^2/NDF: 1358271.2/36

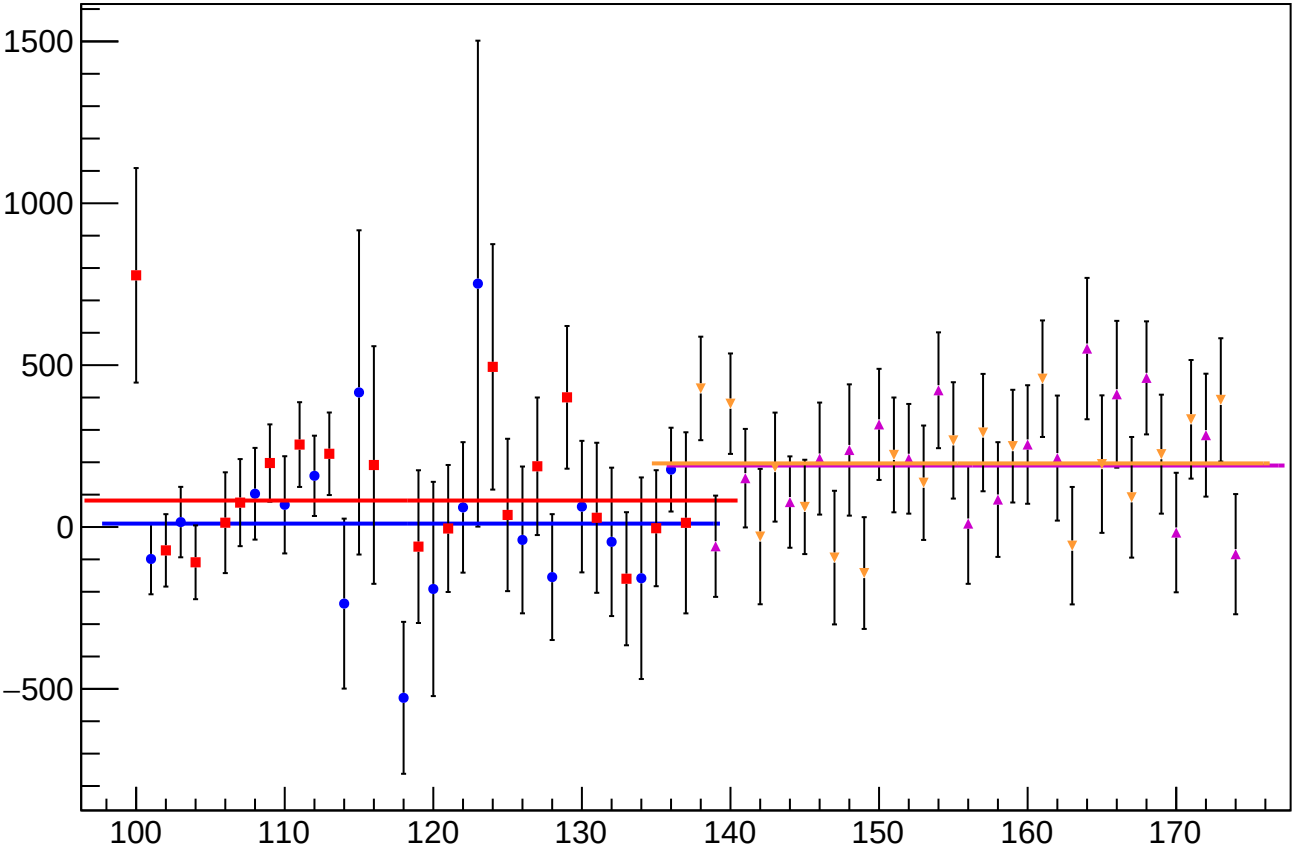
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 1995.724+/-0.382 χ^2/NDF:599513.7/17

Out: 2012.009+/-0.383 χ^2/NDF:757849.9/18

All: 2003.840+/-0.270 χ^2/NDF: 1358271.2/36

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: 189.934+/-41.933 χ^2/NDF:16.8/17

Left: 193.306+/-29.247 χ^2/NDF: 34.8/36

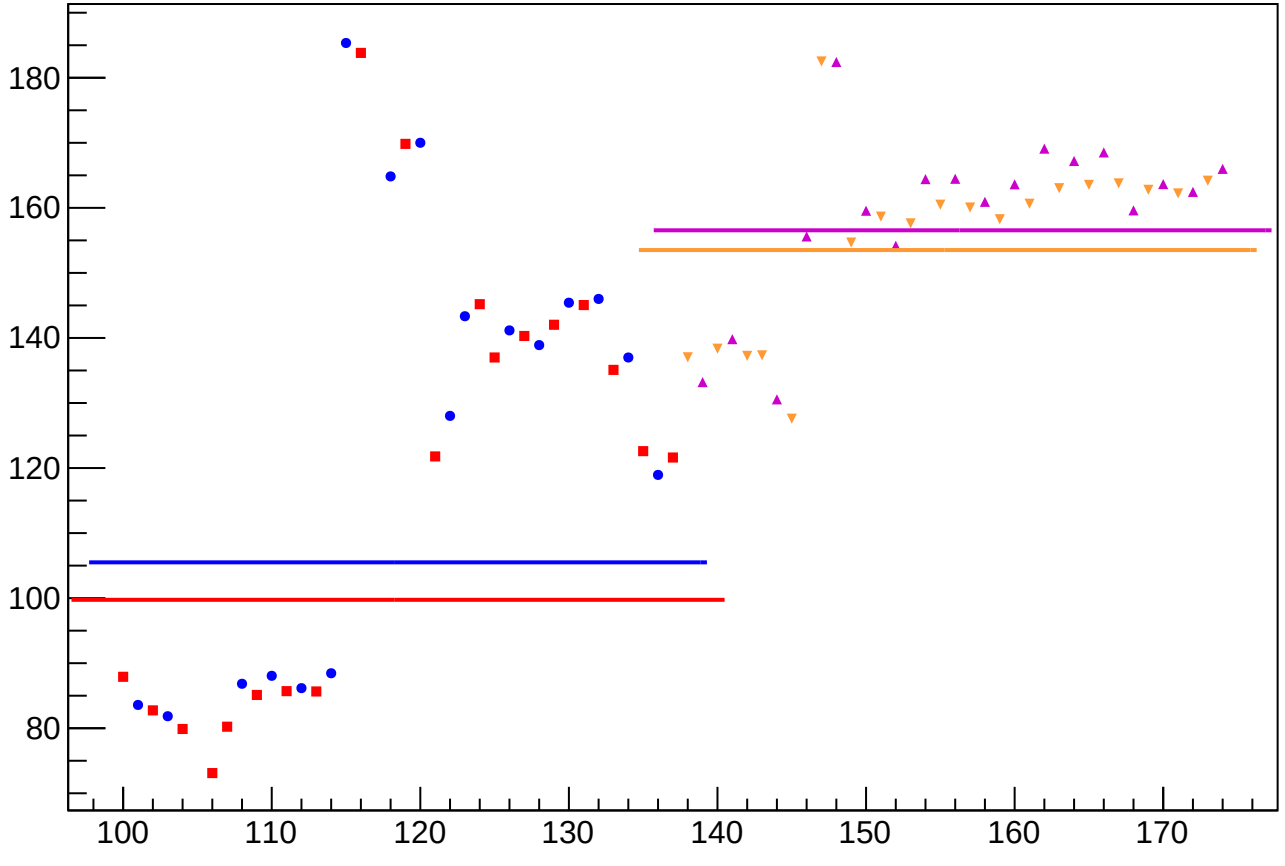
Right: 49.063+/-28.665 χ^2/NDF: 34.8/35

In: 101.001+/-29.778 χ^2/NDF:39.9/34

Out: 136.526+/-28.190 χ^2/NDF:41.4/37

All: 119.736+/-20.472 χ^2/NDF: 82.0/72

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503+/-0.030 χ^2/NDF: 869022.6/16

Left Out: 153.514+/-0.029 χ^2/NDF:218707.6/18

Right Out: 99.744+/-0.028 χ^2/NDF: 1000097.3/18

Left In: 156.552+/-0.030 χ^2/NDF:211342.0/17

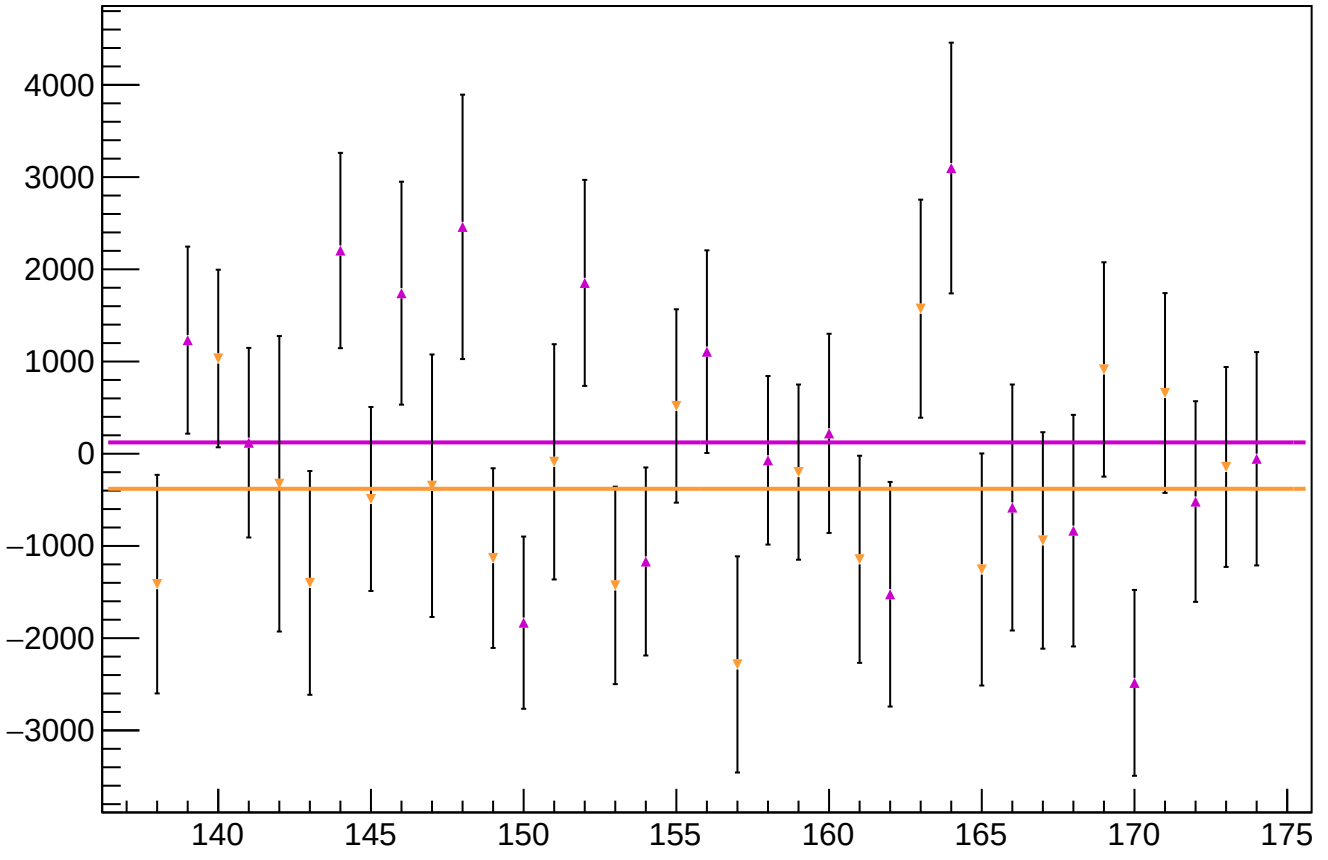
Left: 154.992+/-0.021 χ^2/NDF: 435440.5/36

Right: 102.389+/-0.020 χ^2/NDF: 1889165.6/35

In: 131.246+/-0.021 χ^2/NDF:2549706.6/34

Out: 125.398+/-0.020 χ^2/NDF:3034055.0/37

All: 128.162+/-0.014 χ^2/NDF: 5624438.4/72



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

Left Out: -379.990+/-258.599 χ^2/NDF:14.8/18

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

Left In: 122.738+/-260.273 χ^2/NDF:33.3/17

Left: -130.249+/-183.446 χ^2/NDF: 49.9/36

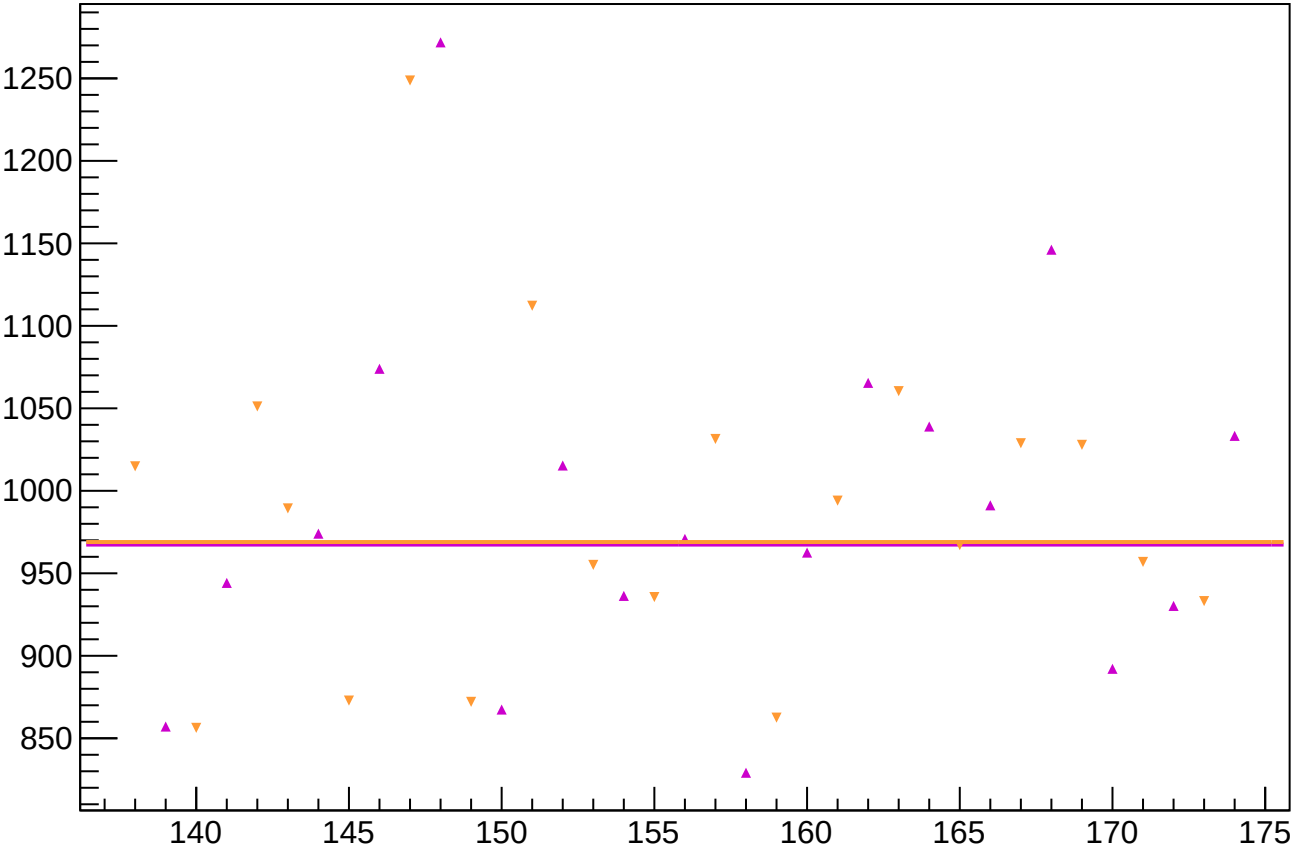
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 122.738+/-260.273 χ^2/NDF:33.3/17

Out: -379.990+/-258.599 χ^2/NDF:14.8/18

All: -130.249+/-183.446 χ^2/NDF: 49.9/36

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: 967.413+/-0.184 χ^2/NDF:284449.5/17

Left: 968.190+/-0.130 χ^2/NDF: 520394.7/36

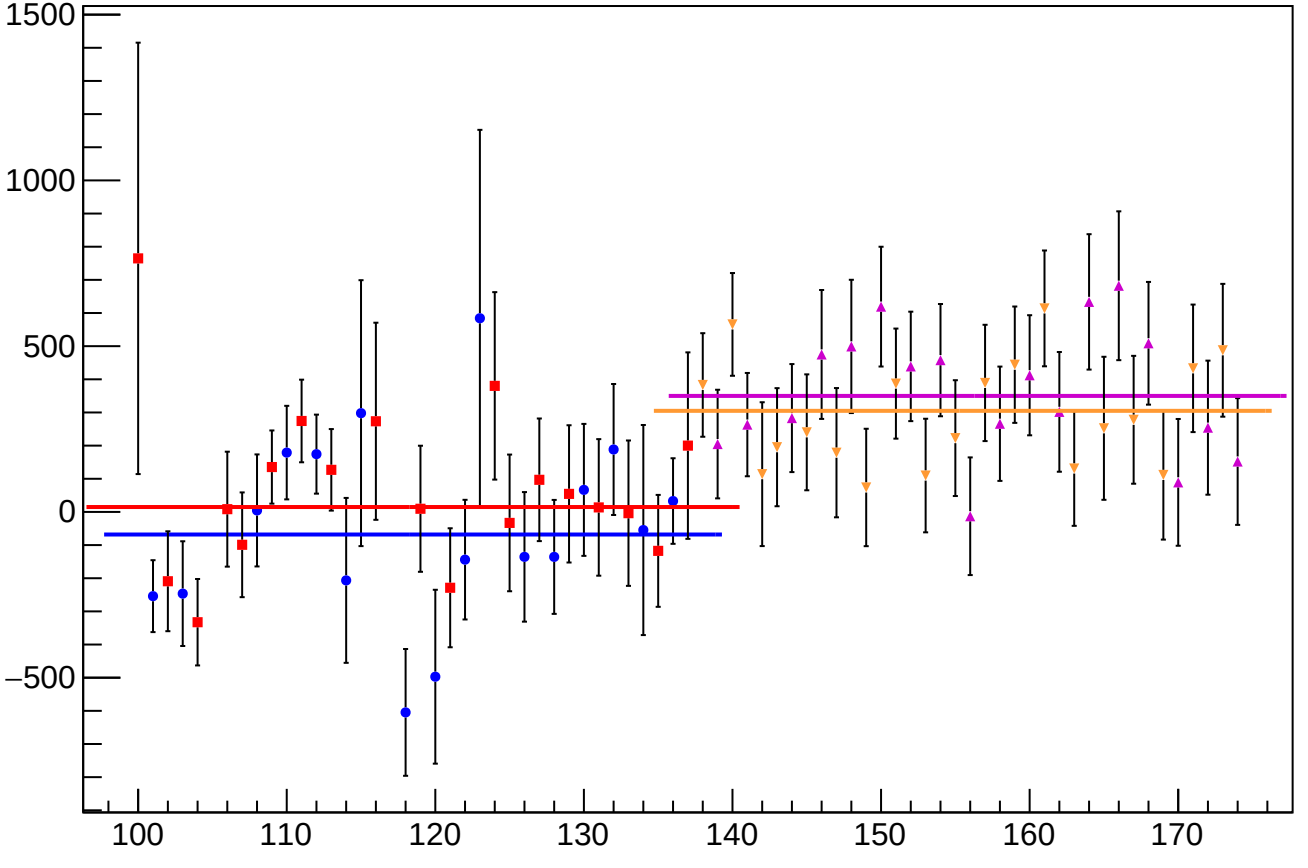
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 967.413+/-0.184 χ^2/NDF:284449.5/17

Out: 968.957+/-0.183 χ^2/NDF:235909.7/18

All: 968.190+/-0.130 χ^2/NDF: 520394.7/36

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111+/-42.265 χ^2/NDF: 27.8/16

Left Out: 304.944+/-41.264 χ^2/NDF:15.6/18

Right Out: 14.800+/-39.467 χ^2/NDF: 23.1/18

Left In: 349.950+/-42.705 χ^2/NDF:17.8/17

Left: 326.675+/-29.674 χ^2/NDF: 33.9/36

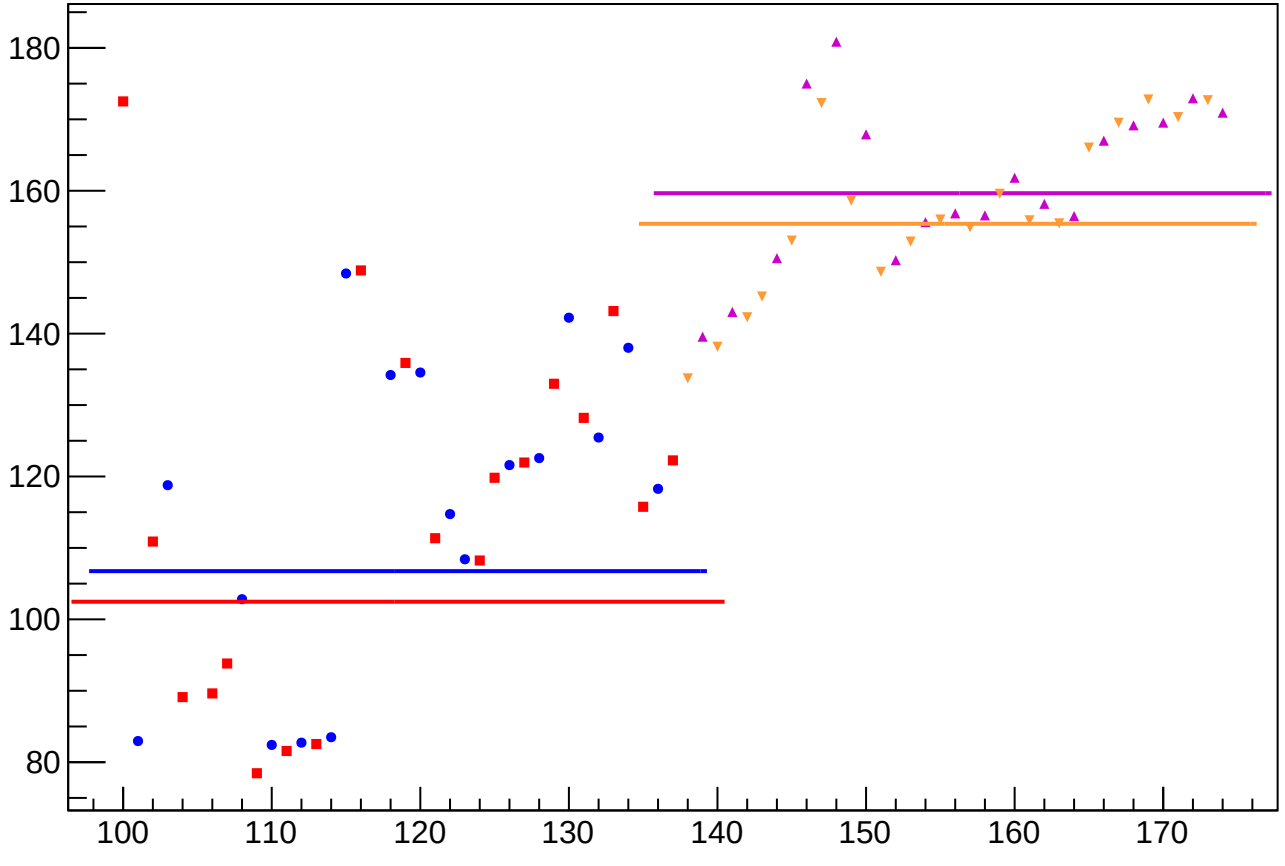
Right: -23.820+/-28.846 χ^2/NDF: 53.0/35

In: 138.758+/-30.040 χ^2/NDF:94.0/34

Out: 153.414+/-28.521 χ^2/NDF:64.6/37

All: 146.466+/-20.684 χ^2/NDF: 158.7/72

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: 159.659+/-0.030 χ^2/NDF:136002.7/17

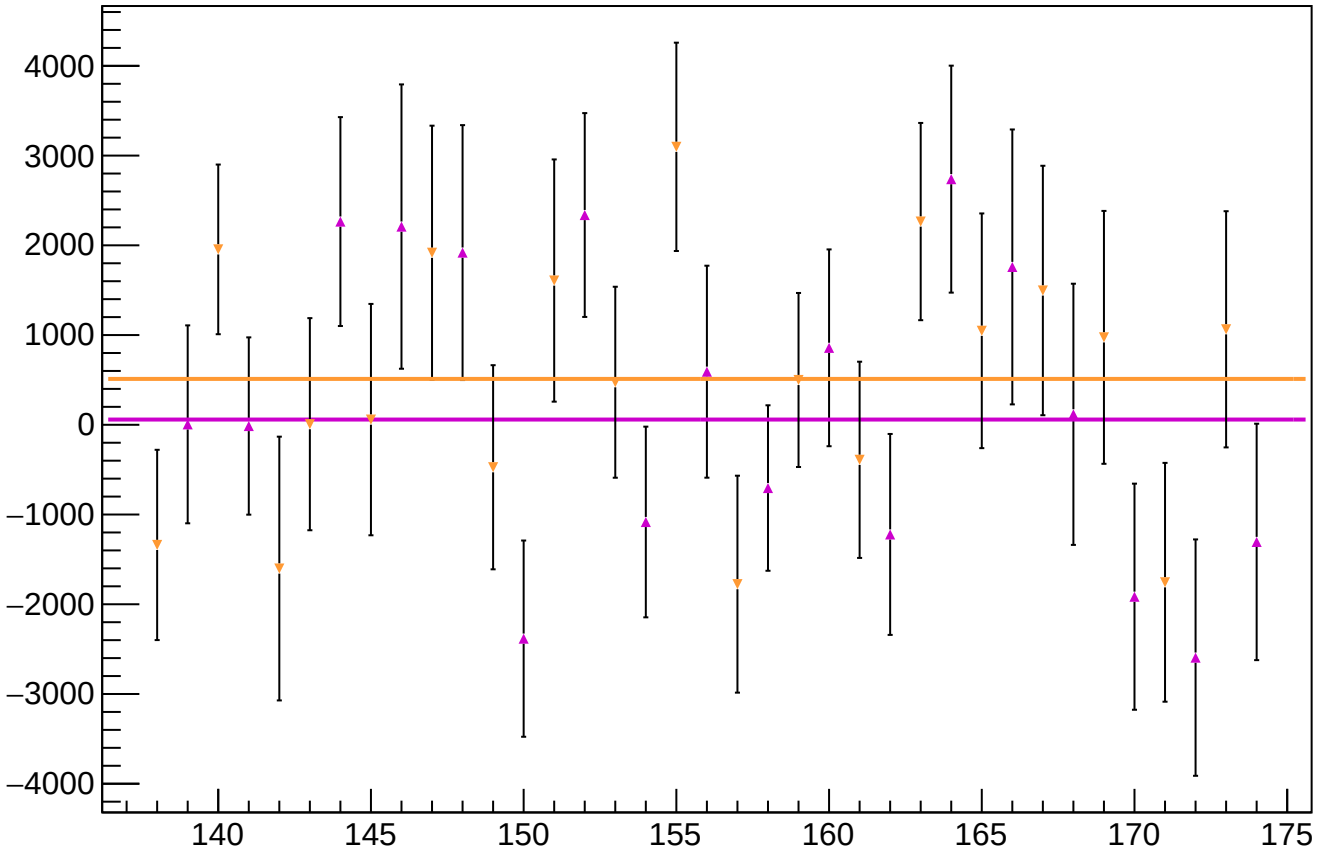
Left: 157.444+/-0.021 χ^2/NDF: 302826.9/36

Right: 104.462+/-0.020 χ^2/NDF: 1102055.3/35

In: 132.931+/-0.021 χ^2/NDF:2188635.8/34

Out: 127.744+/-0.020 χ^2/NDF:2462996.1/37

All: 130.203+/-0.015 χ^2/NDF: 4682985.8/72



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: 58.424+/-279.460 χ^2/NDF:33.4/17

Left: 289.963+/-195.370 χ^2/NDF: 60.5/36

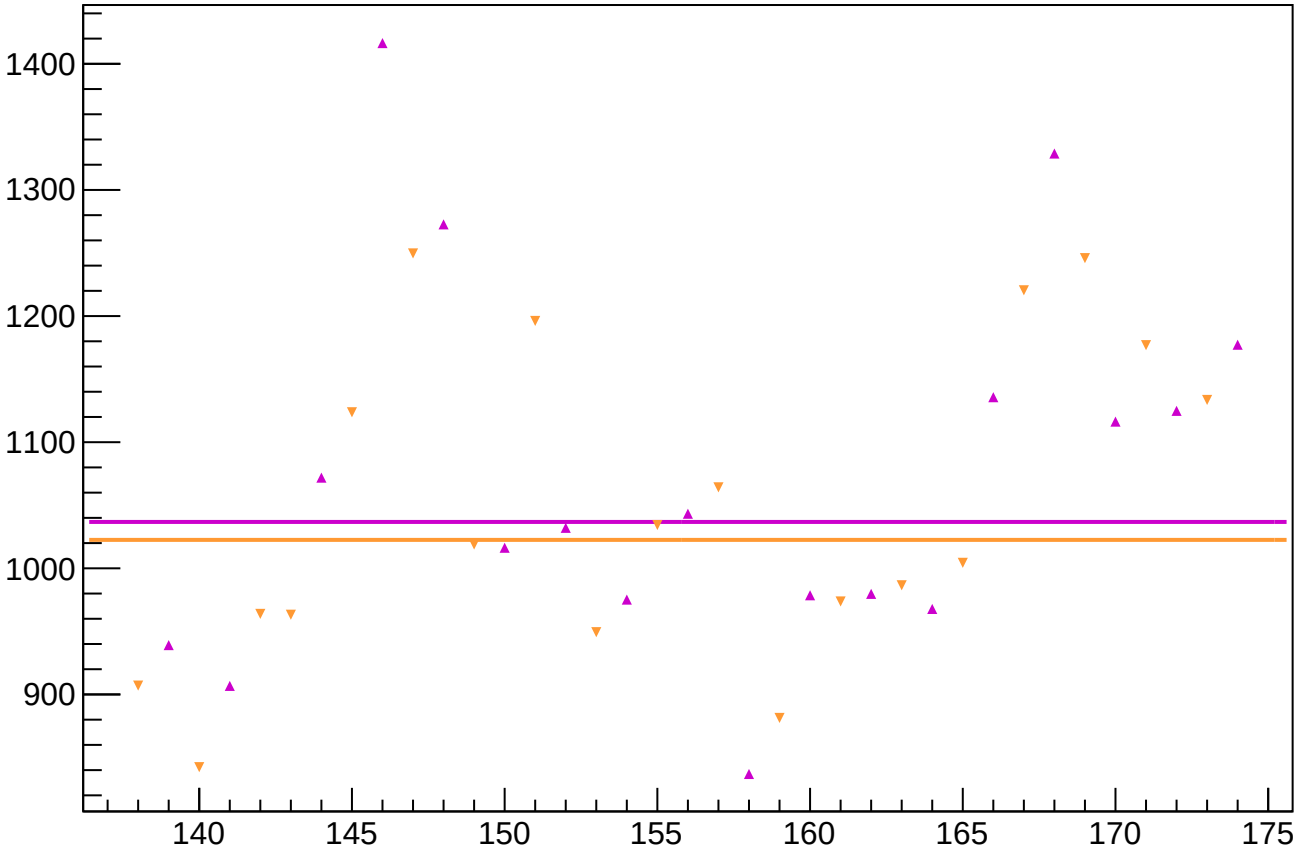
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 58.424+/-279.460 χ^2/NDF:33.4/17

Out: 511.304+/-273.236 χ^2/NDF:25.8/18

All: 289.963+/-195.370 χ^2/NDF: 60.5/36

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: 1036.776+/-0.198 χ^2/NDF:468945.3/17

Left: 1029.502+/-0.138 χ^2/NDF: 865987.9/36

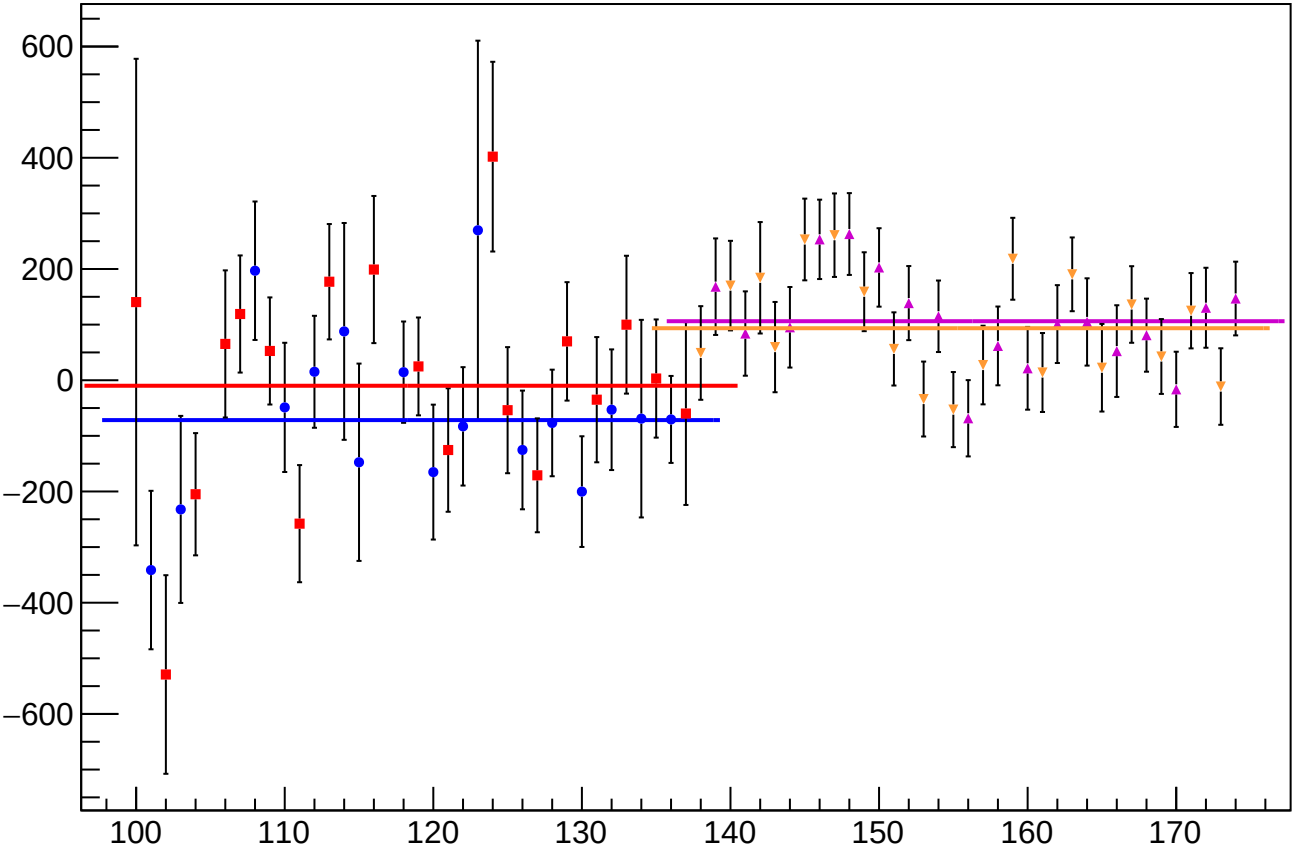
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 1036.776+/-0.198 χ^2/NDF:468945.3/17

Out: 1022.548+/-0.193 χ^2/NDF:394392.2/18

All: 1029.502+/-0.138 χ^2/NDF: 865987.9/36

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669+/-28.358 χ^2/NDF: 15.2/16

Left Out: 93.526+/-16.640 χ^2/NDF:32.8/18

Right Out: -9.917+/-26.816 χ^2/NDF: 36.5/18

Left In: 106.136+/-16.843 χ^2/NDF:24.1/17

Left: 99.755+/-11.837 χ^2/NDF: 57.1/36

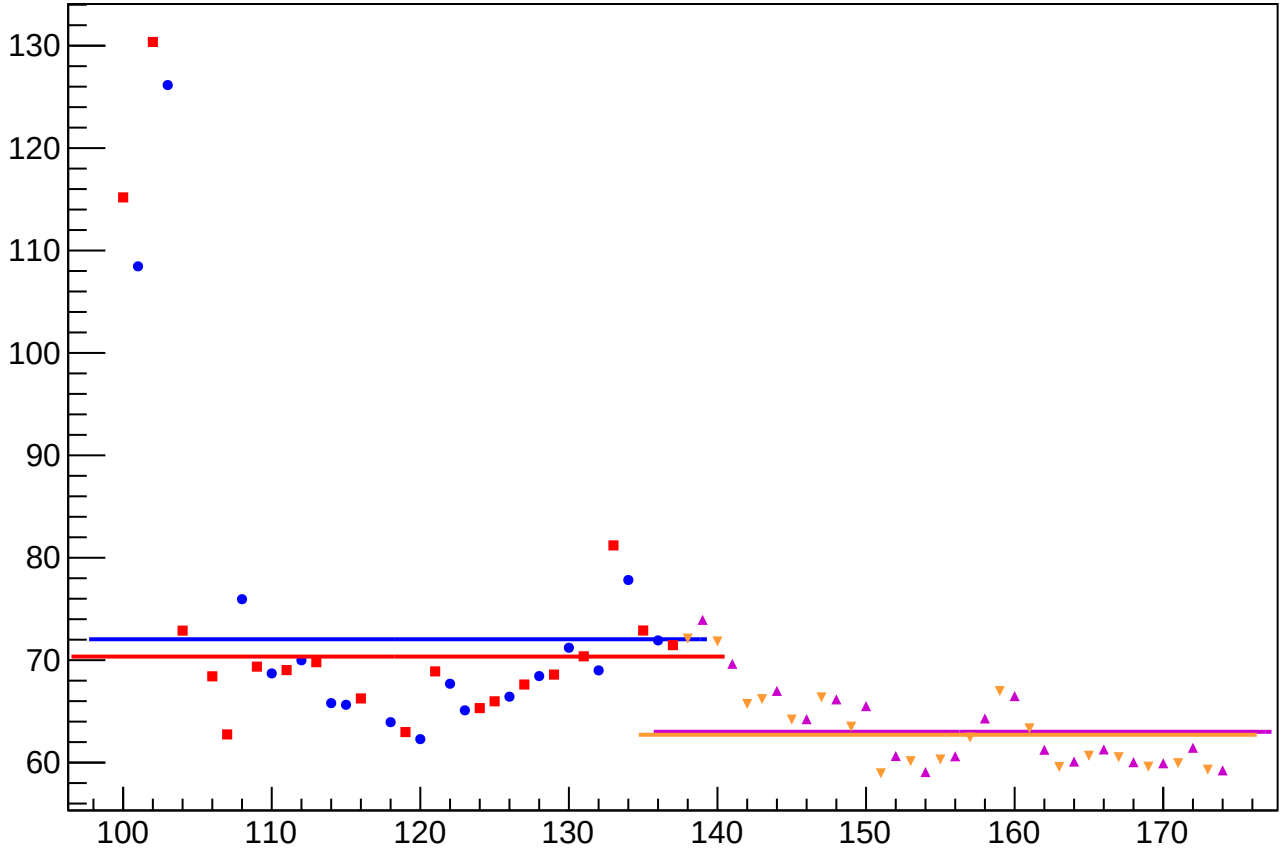
Right: -39.068+/-19.484 χ^2/NDF: 54.2/35

In: 59.770+/-14.481 χ^2/NDF:68.4/34

Out: 64.769+/-14.139 χ^2/NDF:80.0/37

All: 62.329+/-10.117 χ^2/NDF: 148.4/72

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042+/-0.020 χ^2/NDF: 391971.7/16

Left Out: 62.717+/-0.012 χ^2/NDF:101143.2/18

Right Out: 70.351+/-0.019 χ^2/NDF: 299005.5/18

Left In: 63.006+/-0.012 χ^2/NDF:97940.7/17

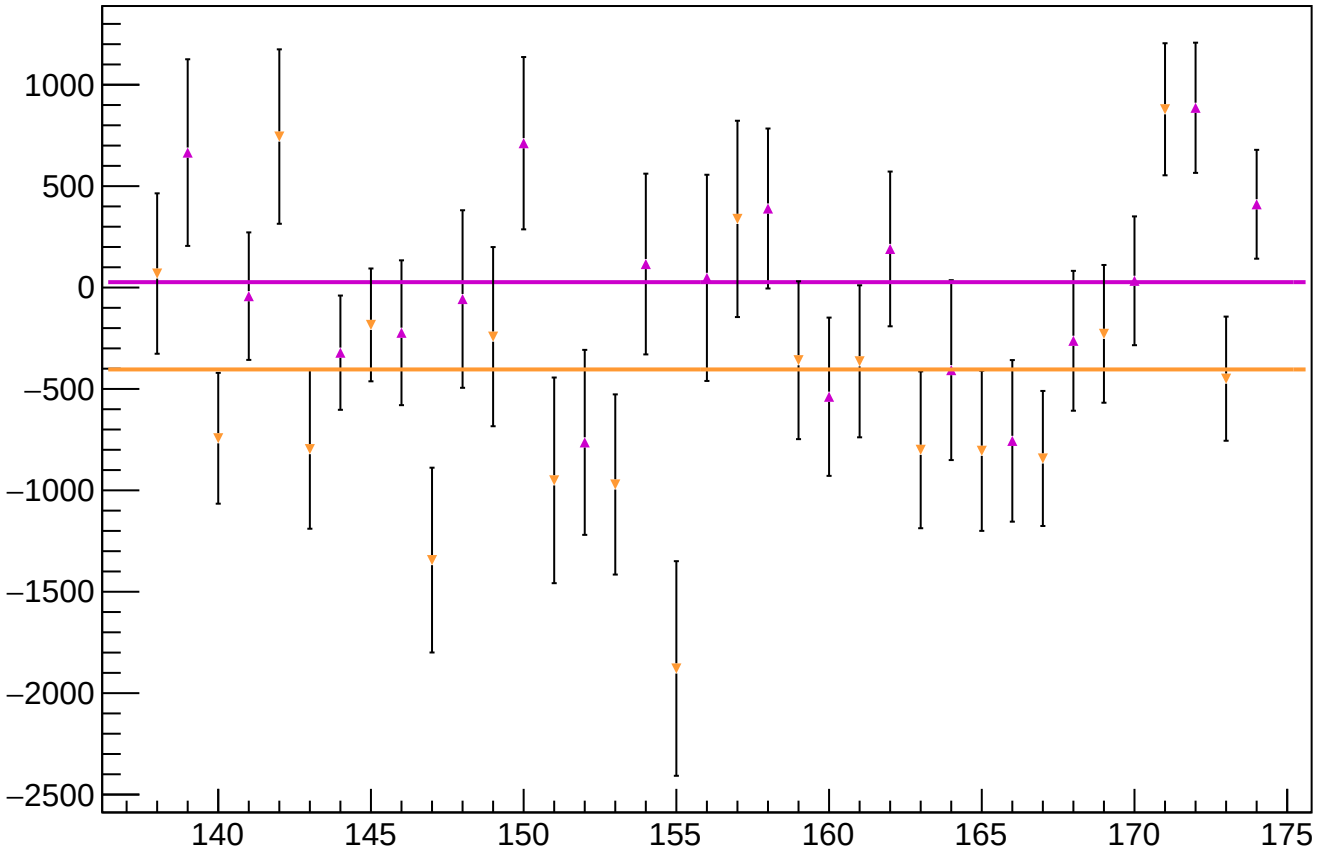
Left: 62.860+/-0.008 χ^2/NDF: 199383.0/36

Right: 71.149+/-0.014 χ^2/NDF: 694733.5/35

In: 65.363+/-0.010 χ^2/NDF:640021.5/34

Out: 64.839+/-0.010 χ^2/NDF:517179.6/37

All: 65.095+/-0.007 χ^2/NDF: 1158539.8/72



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

Left Out: -403.813+/-86.979 χ^2/NDF:48.3/18

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

Left In: 26.582+/-86.738 χ^2/NDF:27.5/17

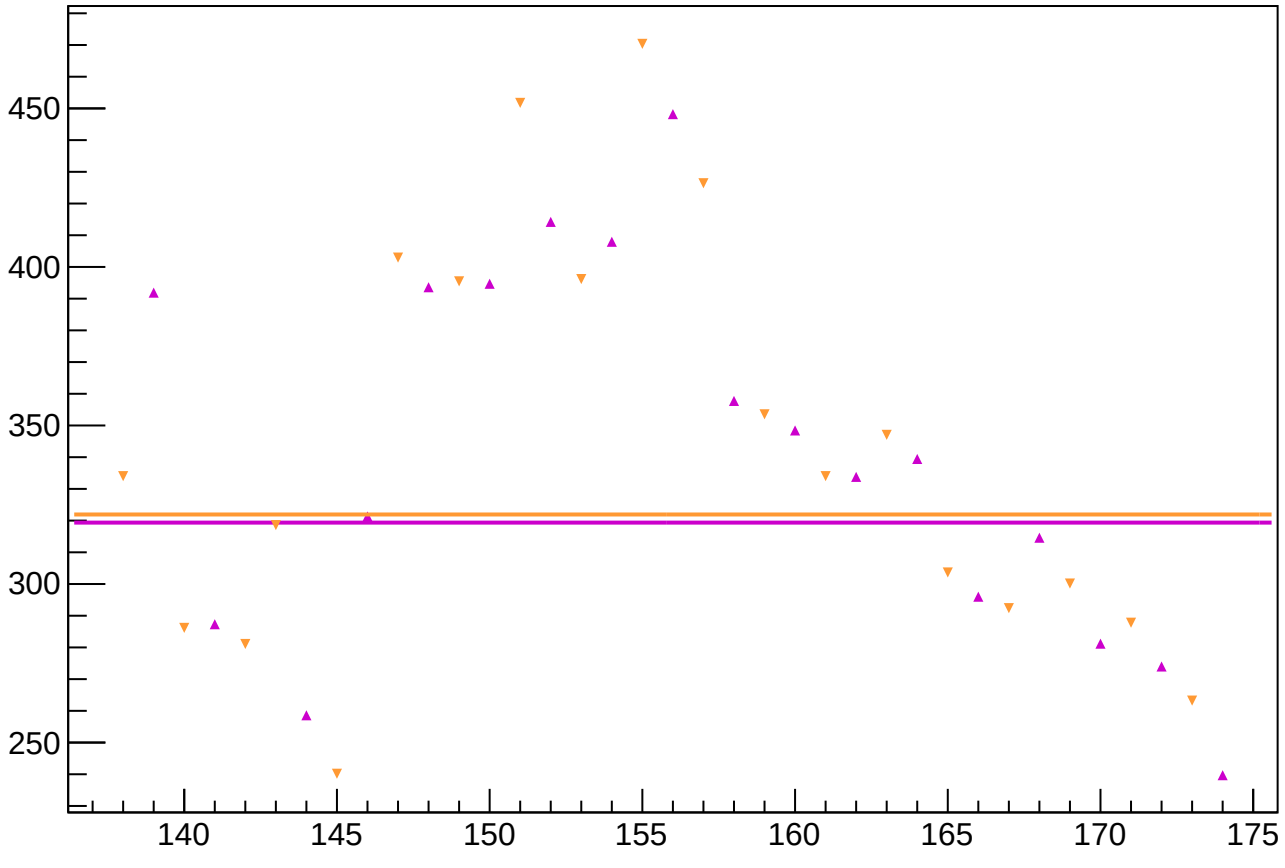
Left: -188.018+/-61.418 χ^2/NDF: 88.1/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 26.582+/-86.738 χ^2/NDF:27.5/17

Out: -403.813+/-86.979 χ^2/NDF:48.3/18

All: -188.018+/-61.418 χ^2/NDF: 88.1/36



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: 319.366+/-0.061 χ^2/NDF:867288.8/17

Left: 320.644+/-0.043 χ^2/NDF: 1789281.7/36

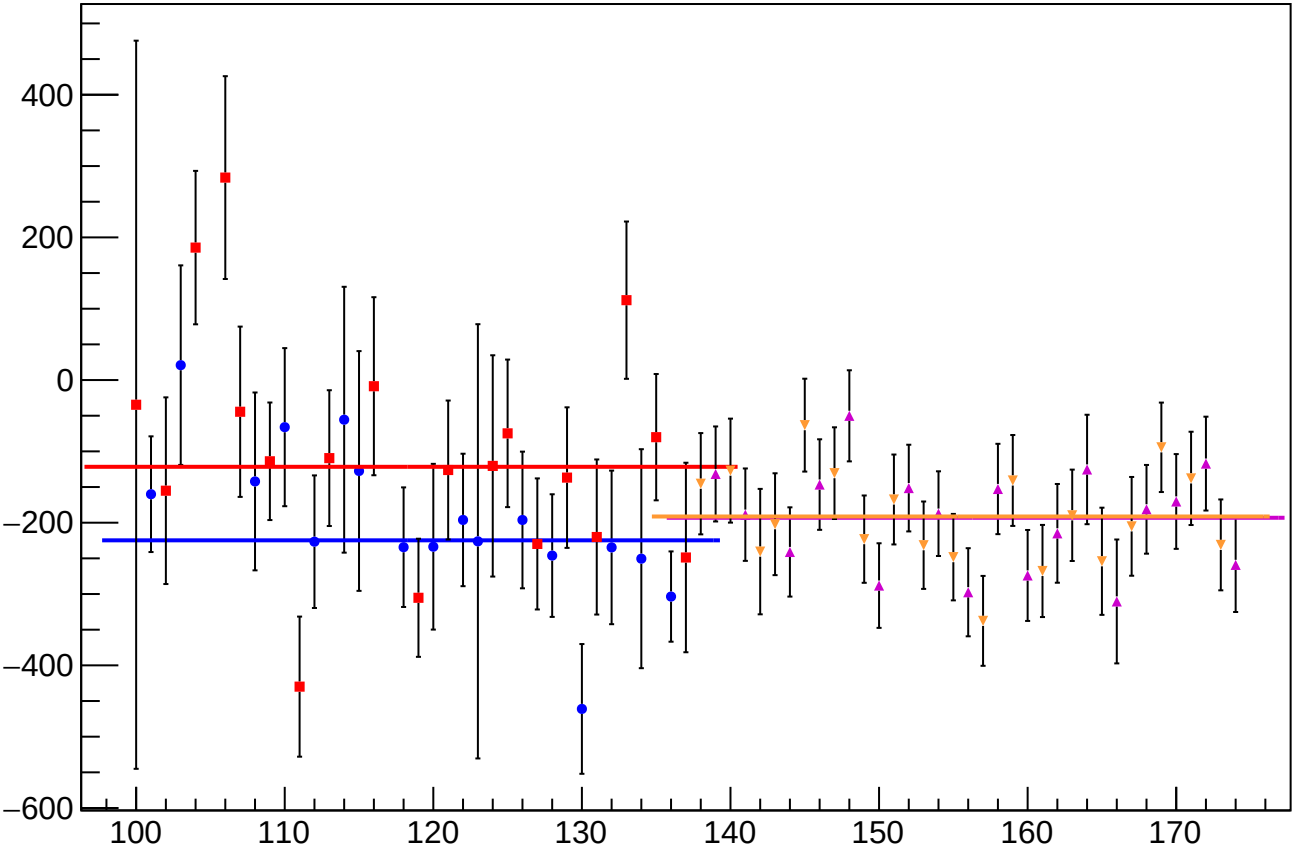
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 319.366+/-0.061 χ^2/NDF:867288.8/17

Out: 321.930+/-0.062 χ^2/NDF:921121.7/18

All: 320.644+/-0.043 χ^2/NDF: 1789281.7/36

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727+/-24.880 χ^2/NDF: 16.0/16

Left Out: -191.305+/-15.164 χ^2/NDF:19.6/18

Right Out: -121.633+/-24.599 χ^2/NDF: 40.5/18

Left In: -193.095+/-15.312 χ^2/NDF:20.1/17

Left: -192.191+/-10.774 χ^2/NDF: 39.7/36

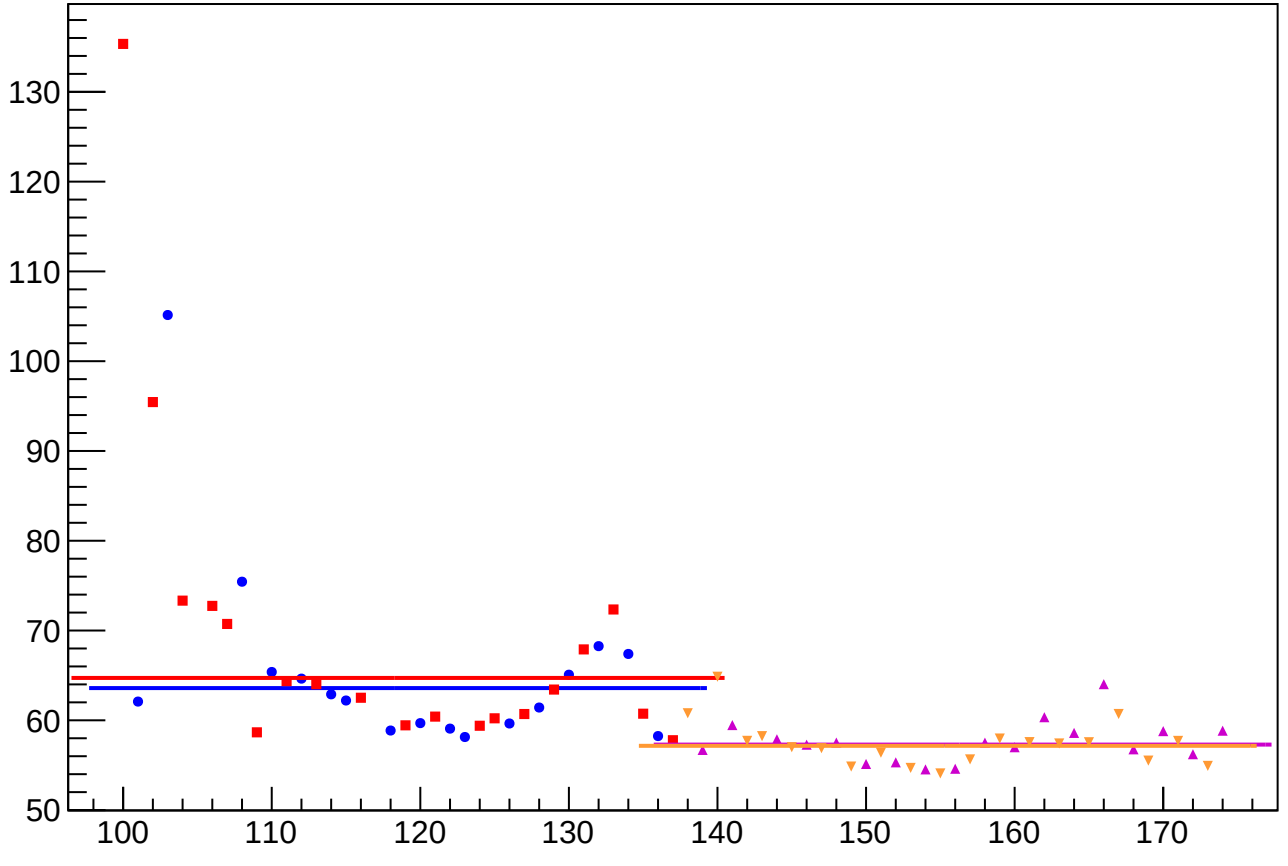
Right: -172.594+/-17.493 χ^2/NDF: 65.1/35

In: -201.784+/-13.041 χ^2/NDF:37.2/34

Out: -172.121+/-12.908 χ^2/NDF:65.9/37

All: -186.801+/-9.174 χ^2/NDF: 105.8/72

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: 57.294+/-0.011 χ^2/NDF:34826.3/17

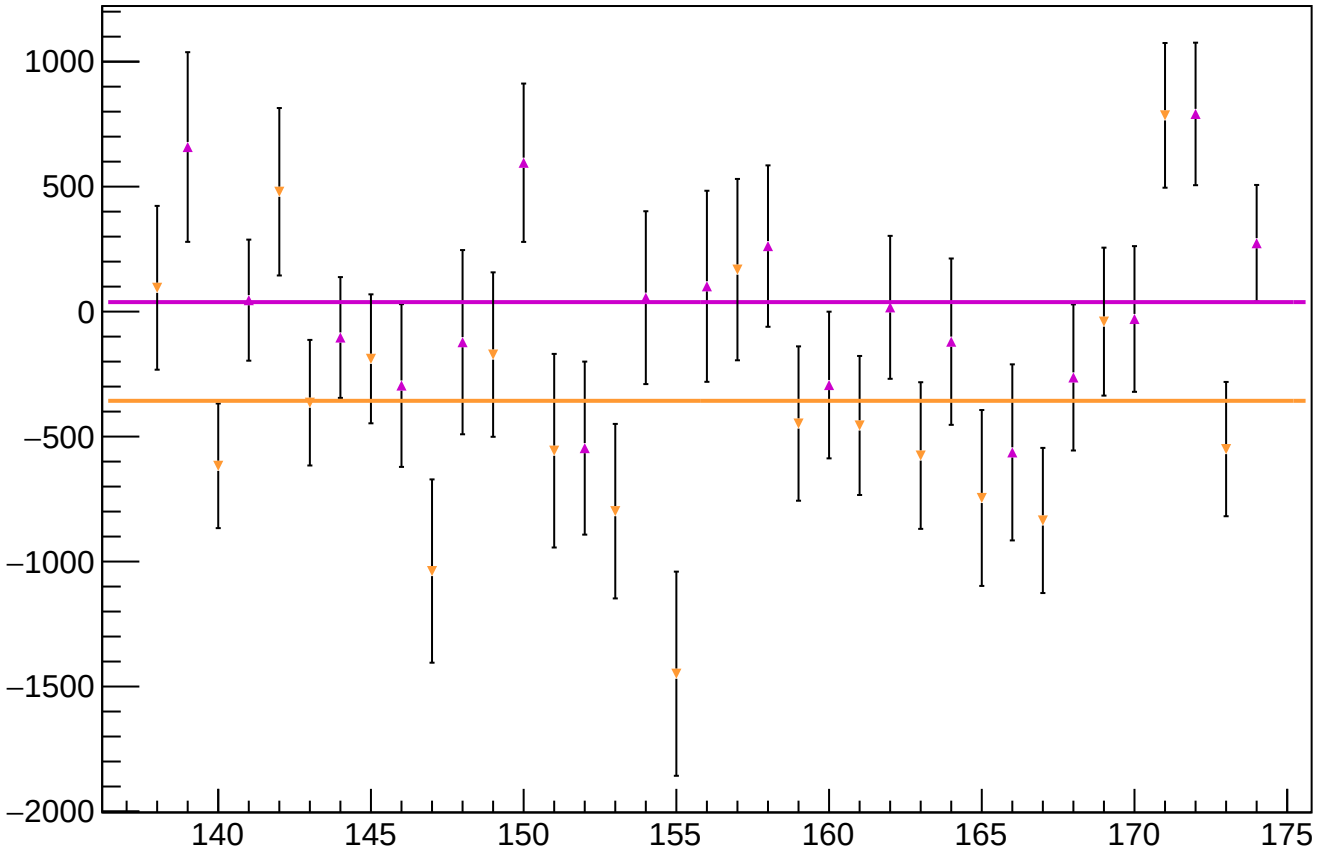
Left: 57.226+/-0.008 χ^2/NDF: 85383.8/36

Right: 64.161+/-0.012 χ^2/NDF: 464197.3/35

In: 59.024+/-0.009 χ^2/NDF:362274.7/34

Out: 59.240+/-0.009 χ^2/NDF:414935.3/37

All: 59.133+/-0.006 χ^2/NDF: 777489.3/72



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

Left Out: -356.922+/-70.272 χ^2/NDF:46.5/18

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

Left In: 37.971+/-71.401 χ^2/NDF:24.3/17

Left: -162.621+/-50.084 χ^2/NDF: 86.2/36

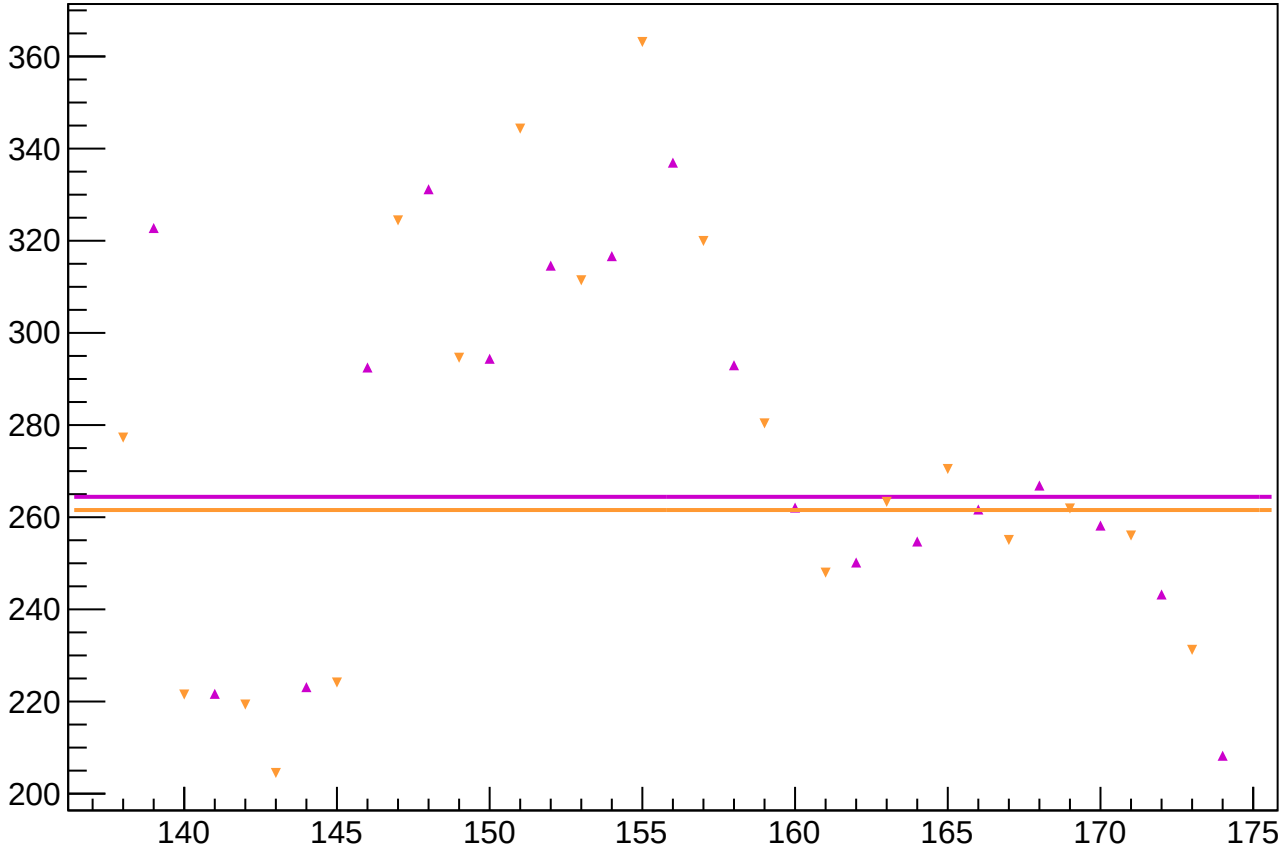
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 37.971+/-71.401 χ^2/NDF:24.3/17

Out: -356.922+/-70.272 χ^2/NDF:46.5/18

All: -162.621+/-50.084 χ^2/NDF: 86.2/36

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: 264.424+/-0.050 χ^2/NDF:577029.1/17

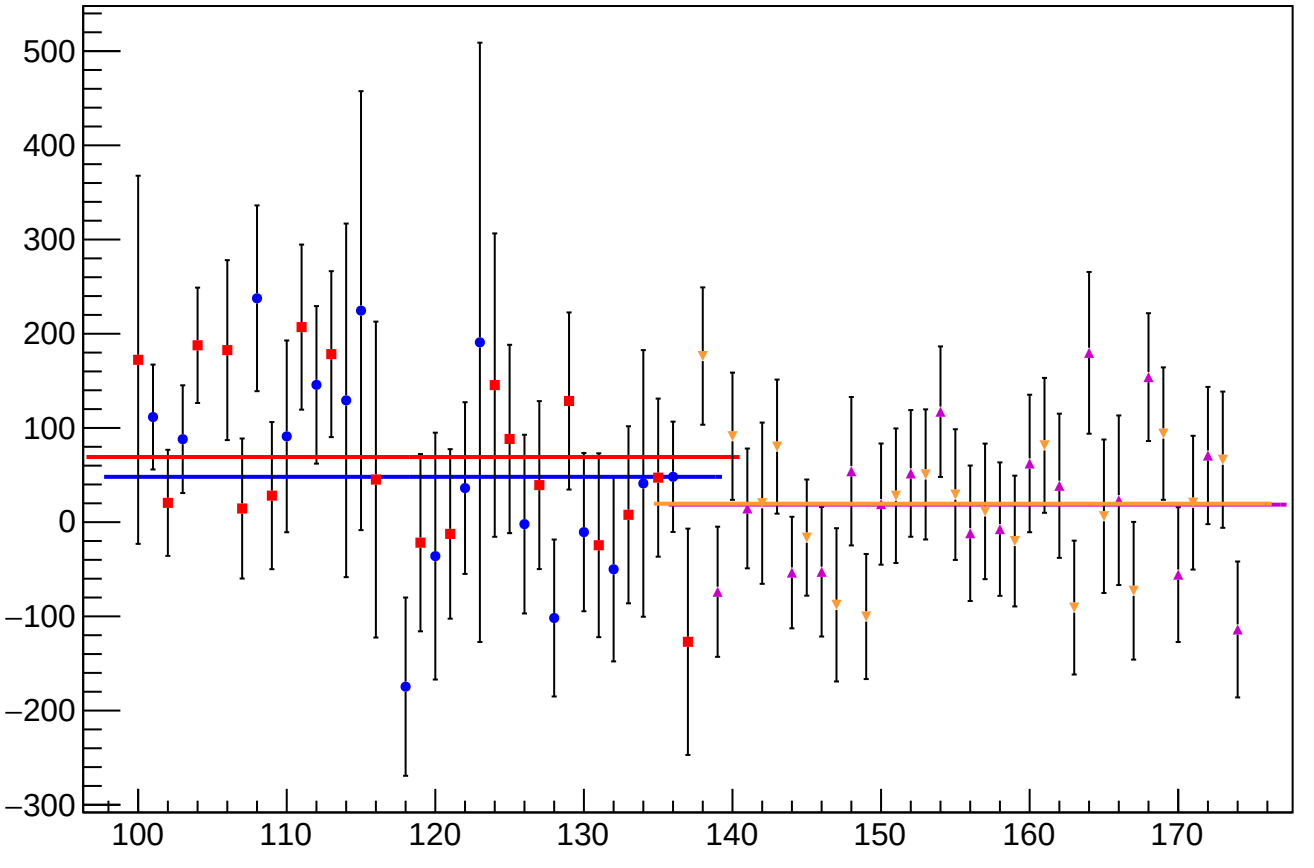
Left: 262.968+/-0.035 χ^2/NDF: 1239369.2/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 264.424+/-0.050 χ^2/NDF:577029.1/17

Out: 261.558+/-0.050 χ^2/NDF:660703.8/18

All: 262.968+/-0.035 χ^2/NDF: 1239369.2/36



Right In: 48.109+/-21.510 χ^2/NDF: 19.0/16

Left Out: 19.575+/-16.395 χ^2/NDF:18.7/18

Right Out: 69.156+/-20.407 χ^2/NDF: 17.7/18

Left In: 18.603+/-16.689 χ^2/NDF:20.0/17

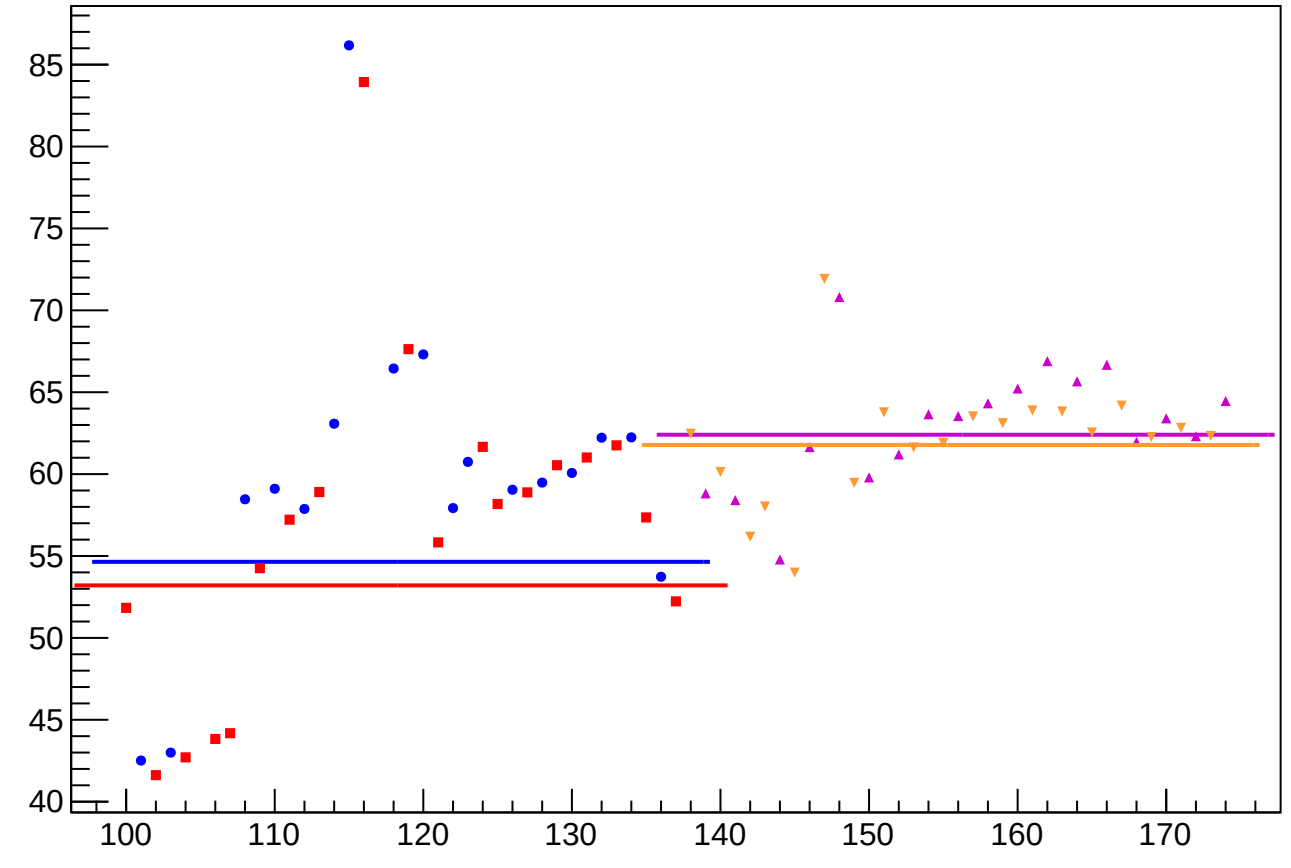
Left: 19.098+/-11.696 χ^2/NDF: 38.8/36

Right: 59.186+/-14.805 χ^2/NDF: 37.1/35

In: 29.691+/-13.186 χ^2/NDF:40.2/34

Out: 39.024+/-12.781 χ^2/NDF:39.9/37

All: 34.503+/-9.177 χ^2/NDF: 80.4/72



Right In: 54.645+/-0.015 χ^2/NDF: 319300.2/16

Left Out: 61.781+/-0.012 χ^2/NDF:90836.7/18

Right Out: 53.207+/-0.014 χ^2/NDF: 386295.2/18

Left In: 62.404+/-0.012 χ^2/NDF:95301.9/17

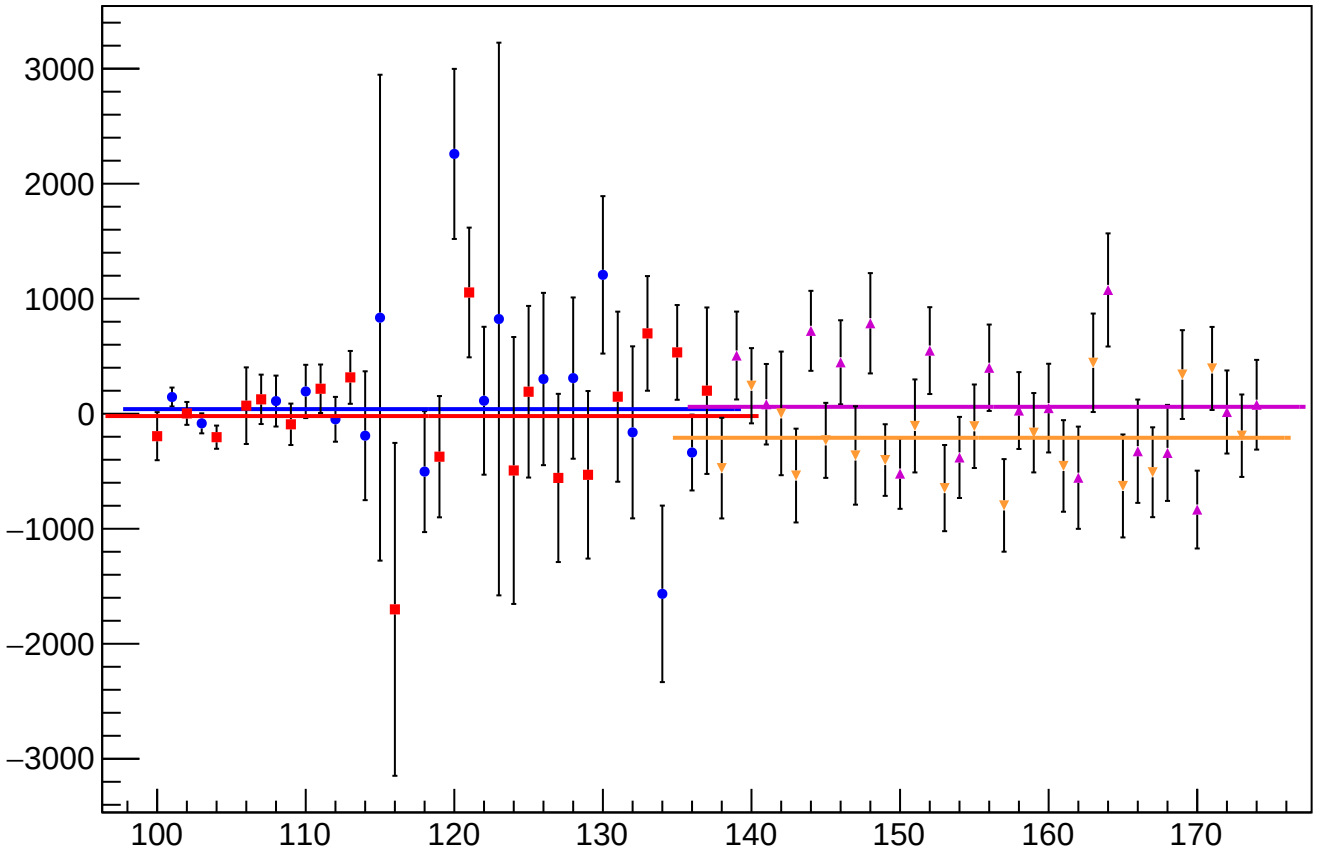
Left: 62.087+/-0.008 χ^2/NDF: 187556.9/36

Right: 53.888+/-0.010 χ^2/NDF: 710299.5/35

In: 59.488+/-0.009 χ^2/NDF:577055.4/34

Out: 58.418+/-0.009 χ^2/NDF:691707.6/37

All: 58.936+/-0.006 χ^2/NDF: 1275561.5/72



Right In: 40.207+/-51.542 χ^2/NDF: 23.9/16

Left Out: -209.132+/-87.668 χ^2/NDF:16.2/18

Right Out: -20.232+/-53.274 χ^2/NDF: 18.9/18

Left In: 60.087+/-88.603 χ^2/NDF:31.4/17

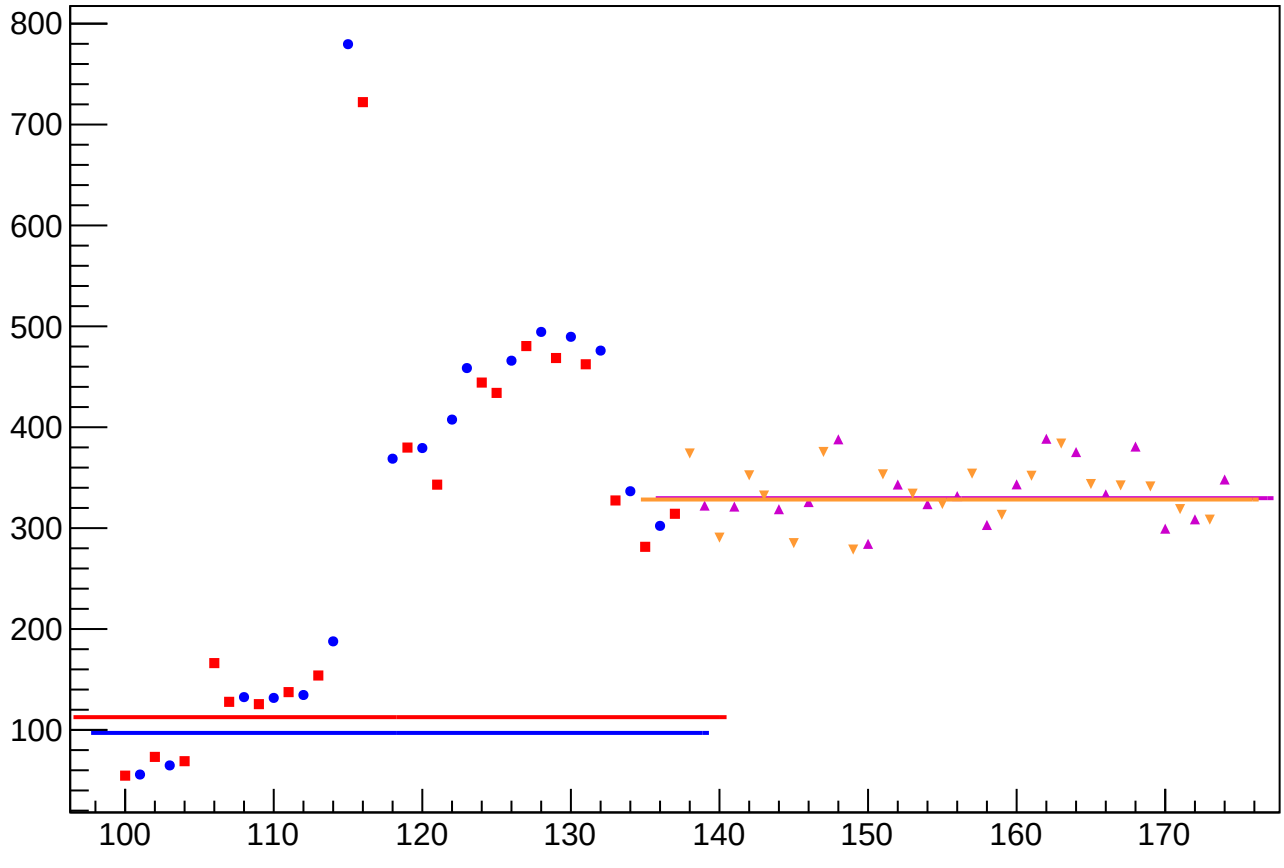
Left: -75.950+/-62.319 χ^2/NDF: 52.3/36

Right: 10.986+/-37.043 χ^2/NDF: 43.4/35

In: 45.234+/-44.552 χ^2/NDF:55.3/34

Out: -71.175+/-45.527 χ^2/NDF:38.5/37

All: -11.711+/-31.842 χ^2/NDF: 97.1/72



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: 329.700+/-0.063 χ^2/NDF:211671.0/17

Left: 329.019+/-0.044 χ^2/NDF: 450379.3/36

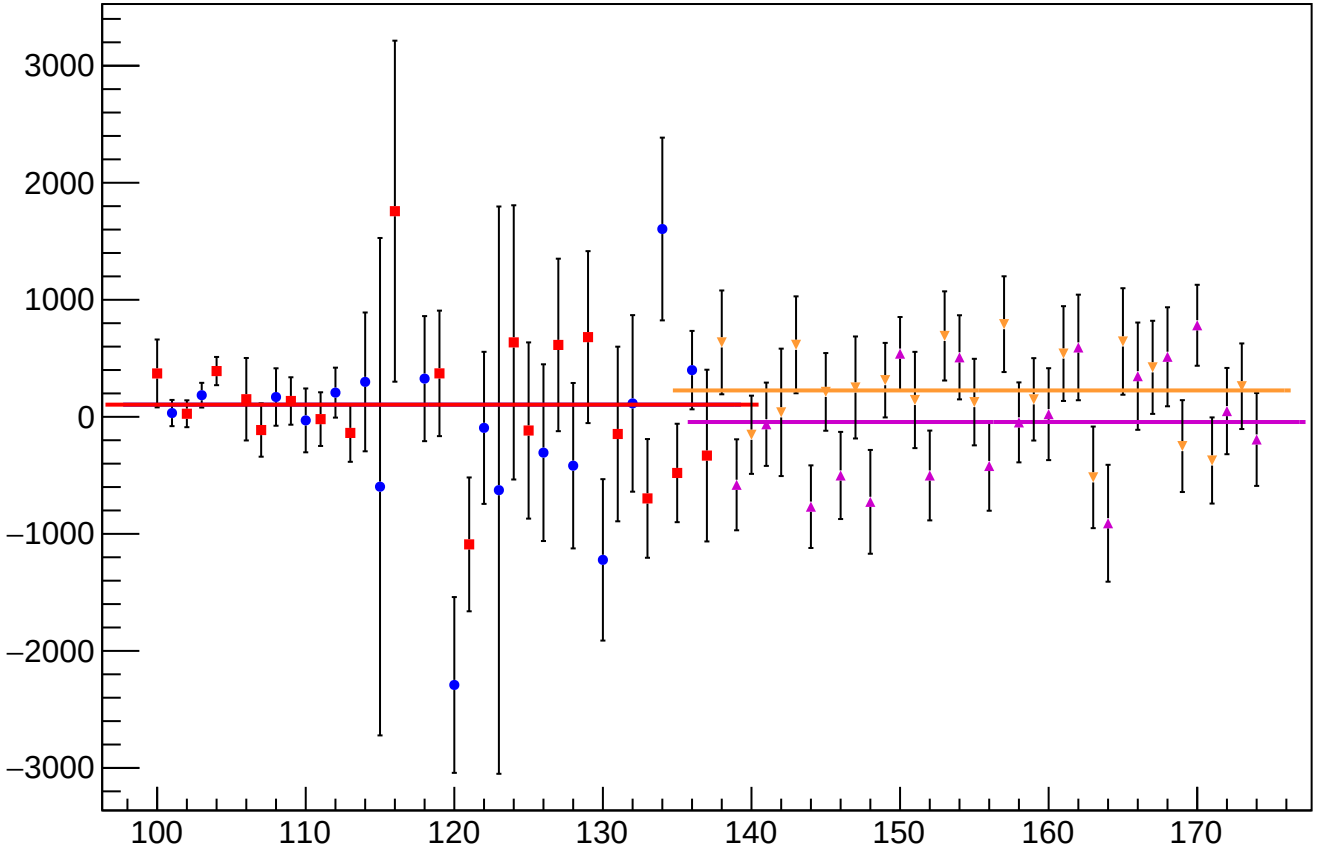
Right: 104.588+/-0.026 χ^2/NDF: 10944761.2/35

In: 155.864+/-0.032 χ^2/NDF:16335042.7/34

Out: 170.824+/-0.032 χ^2/NDF:14116847.6/37

All: 163.183+/-0.023 χ^2/NDF: 30562203.0/72

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001+/-63.156 χ^2/NDF: 21.3/16

Left Out: 225.545+/-89.257 χ^2/NDF:15.5/18

Right Out: 104.140+/-60.857 χ^2/NDF: 21.3/18

Left In: -44.268+/-90.231 χ^2/NDF:31.6/17

Left: 92.101+/-63.456 χ^2/NDF: 51.7/36

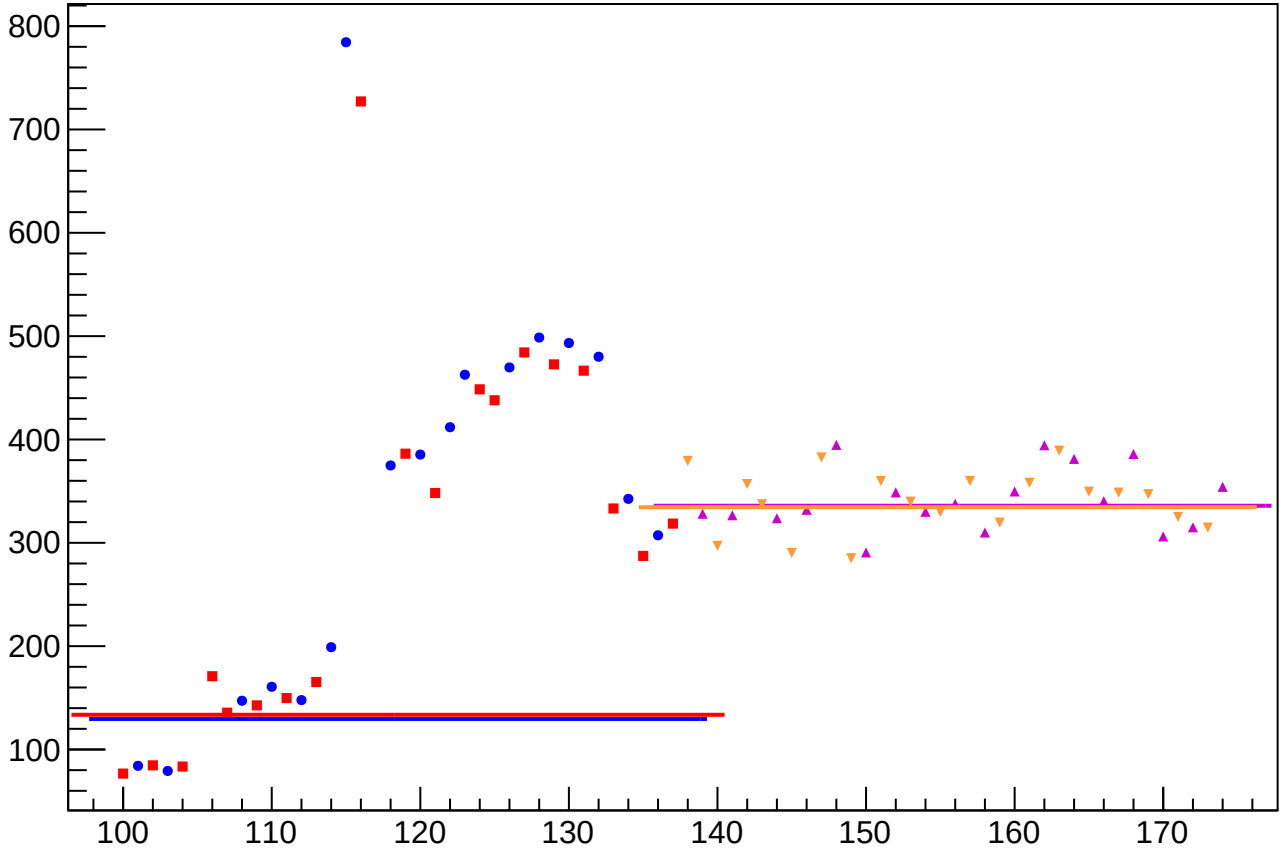
Right: 104.073+/-43.823 χ^2/NDF: 42.6/35

In: 55.246+/-51.741 χ^2/NDF:54.7/34

Out: 142.667+/-50.282 χ^2/NDF:38.1/37

All: 100.207+/-36.059 χ^2/NDF: 94.3/72

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552+/-0.045 χ^2/NDF: 4772450.4/16

Left Out: 334.437+/-0.063 χ^2/NDF:229093.7/18

Right Out: 133.593+/-0.043 χ^2/NDF: 4366252.1/18

Left In: 335.874+/-0.064 χ^2/NDF:202337.7/17

Left: 335.148+/-0.045 χ^2/NDF: 431687.5/36

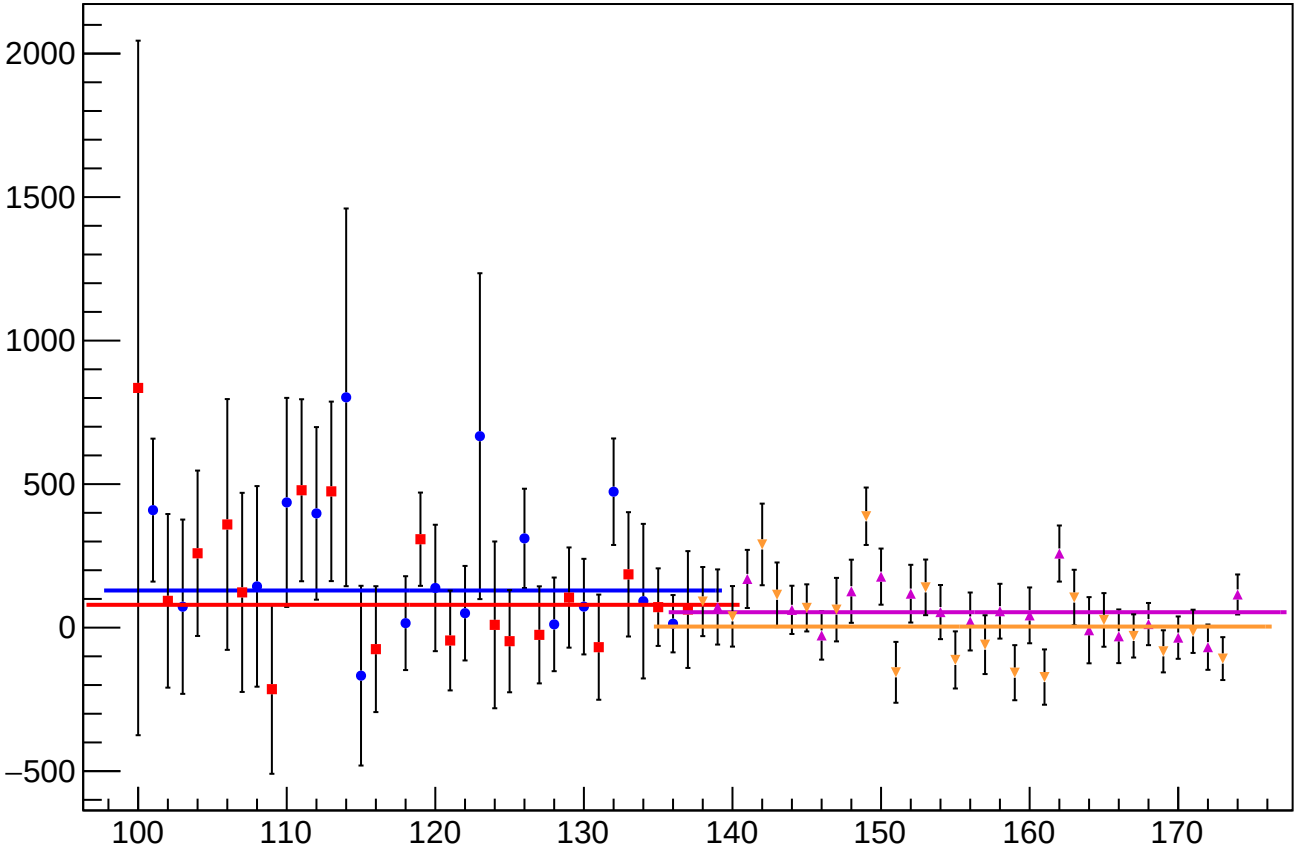
Right: 131.647+/-0.031 χ^2/NDF: 9142947.8/35

In: 197.395+/-0.037 χ^2/NDF:11993374.2/34

Out: 197.330+/-0.036 χ^2/NDF:11508279.4/37

All: 197.362+/-0.025 χ^2/NDF: 23501655.2/72

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 129.398+/-49.122 χ^2/NDF: 12.9/16

Left Out: 3.690+/-21.492 χ^2/NDF:38.5/18

Right Out: 79.483+/-49.886 χ^2/NDF: 10.2/18

Left In: 53.727+/-21.419 χ^2/NDF:15.2/17

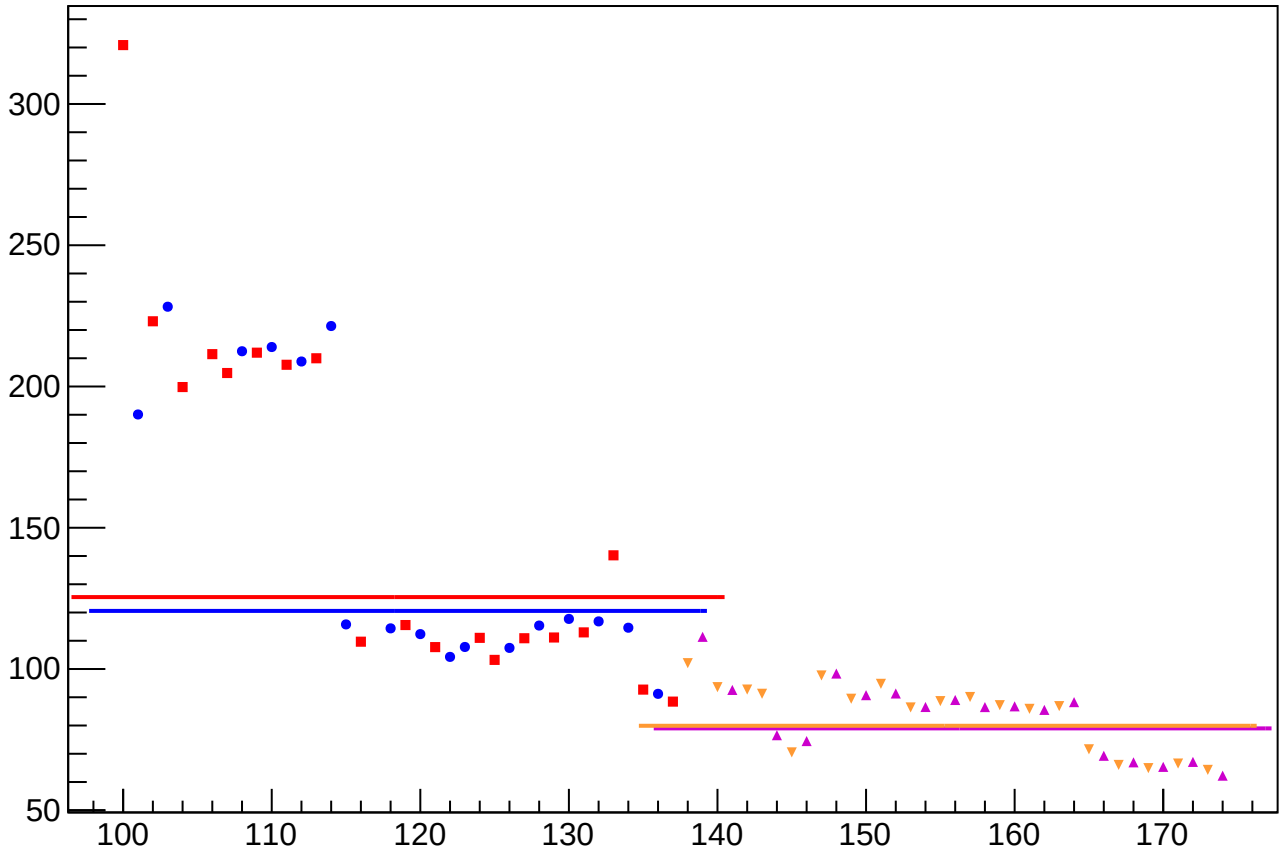
Left: 28.793+/-15.171 χ^2/NDF: 56.4/36

Right: 104.826+/-35.001 χ^2/NDF: 23.7/35

In: 65.815+/-19.634 χ^2/NDF:30.1/34

Out: 15.555+/-19.738 χ^2/NDF:50.7/37

All: 40.818+/-13.920 χ^2/NDF: 84.0/72



Right In: 120.565+/-0.035 χ^2/NDF: 1112076.4/16

Left Out: 79.907+/-0.015 χ^2/NDF:664932.0/18

Right Out: 125.458+/-0.035 χ^2/NDF: 1333754.6/18

Left In: 78.980+/-0.015 χ^2/NDF:671093.3/17

Left: 79.442+/-0.011 χ^2/NDF: 1337891.5/36

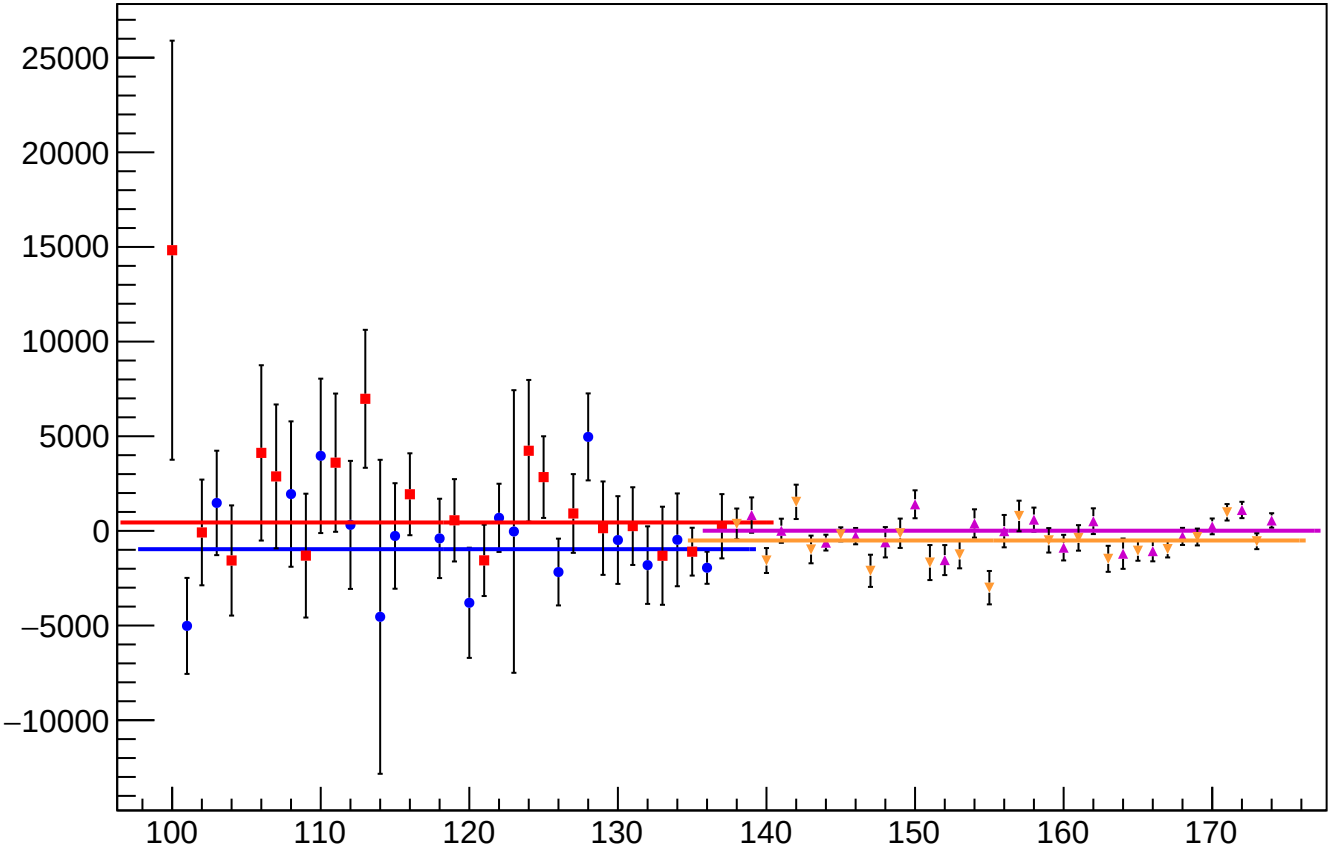
Right: 122.974+/-0.025 χ^2/NDF: 2455600.4/35

In: 85.623+/-0.014 χ^2/NDF:2987563.2/34

Out: 87.038+/-0.014 χ^2/NDF:3405206.8/37

All: 86.327+/-0.010 χ^2/NDF: 6397932.3/72

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: 9.068+/-131.814 χ^2/NDF:30.4/17

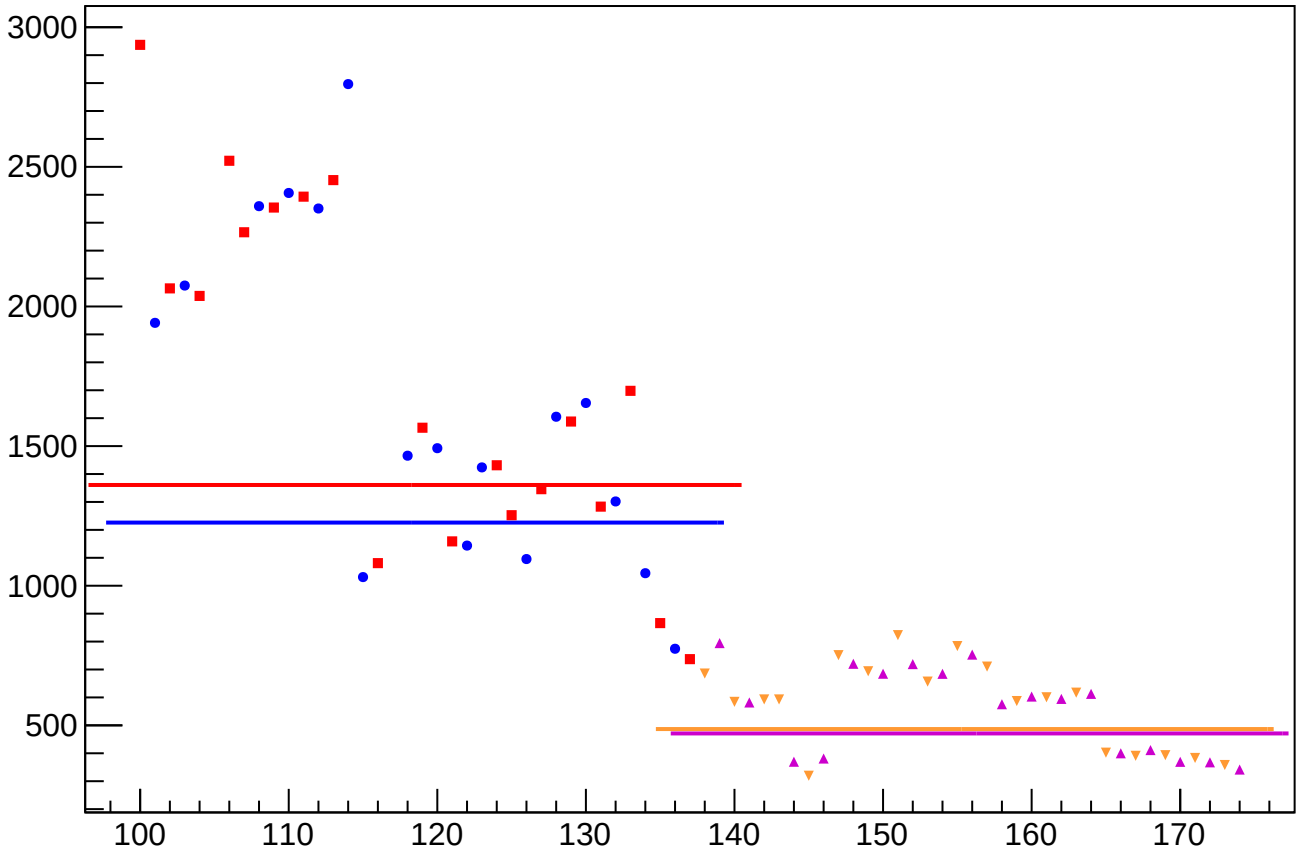
Left: -241.899+/-94.487 χ^2/NDF: 80.8/36

Right: -305.110+/-373.410 χ^2/NDF: 33.3/35

In: -51.504+/-127.657 χ^2/NDF:50.2/34

Out: -451.814+/-131.514 χ^2/NDF:59.2/37

All: -245.703+/-91.600 χ^2/NDF: 114.2/72



Right In: 1226.135+/-0.362 χ^2/NDF: 1756323.1/16

Left Out: 486.747+/-0.096 χ^2/NDF:2439321.9/18

Right Out: 1360.770+/-0.386 χ^2/NDF: 1749074.9/18

Left In: 471.041+/-0.093 χ^2/NDF:2235214.7/17

Left: 478.677+/-0.067 χ^2/NDF: 4688339.7/36

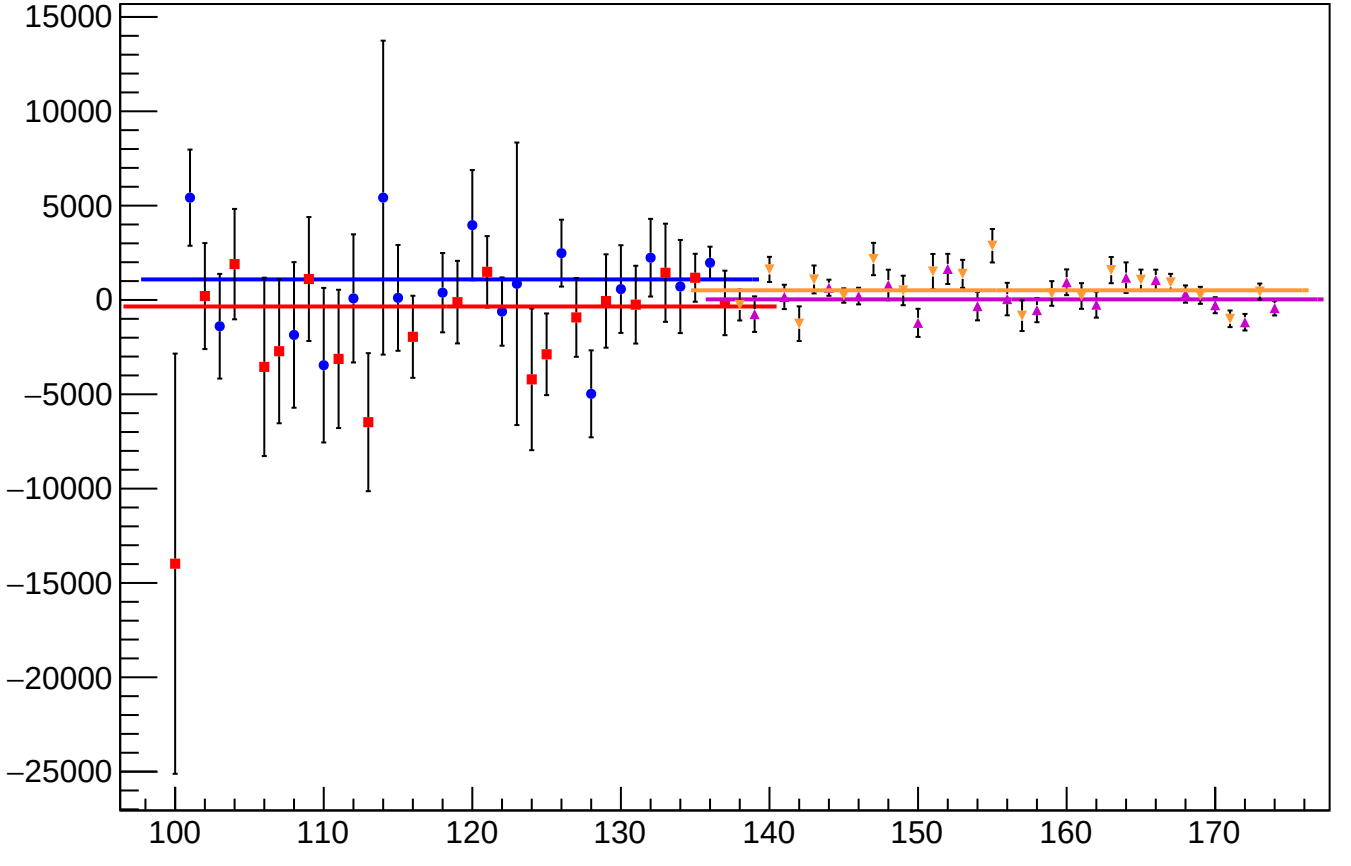
Right: 1289.252+/-0.264 χ^2/NDF: 3570145.2/35

In: 517.920+/-0.090 χ^2/NDF:8066082.9/34

Out: 537.572+/-0.093 χ^2/NDF:9026489.0/37

All: 527.454+/-0.065 χ^2/NDF: 17115566.9/72

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066+/-515.272 χ^2/NDF: 16.9/16

Left Out: 512.048+/-137.462 χ^2/NDF:41.3/18

Right Out: -345.640+/-548.191 χ^2/NDF: 12.5/18

Left In: 30.678+/-133.794 χ^2/NDF:29.2/17

Left: 264.854+/-95.877 χ^2/NDF: 76.7/36

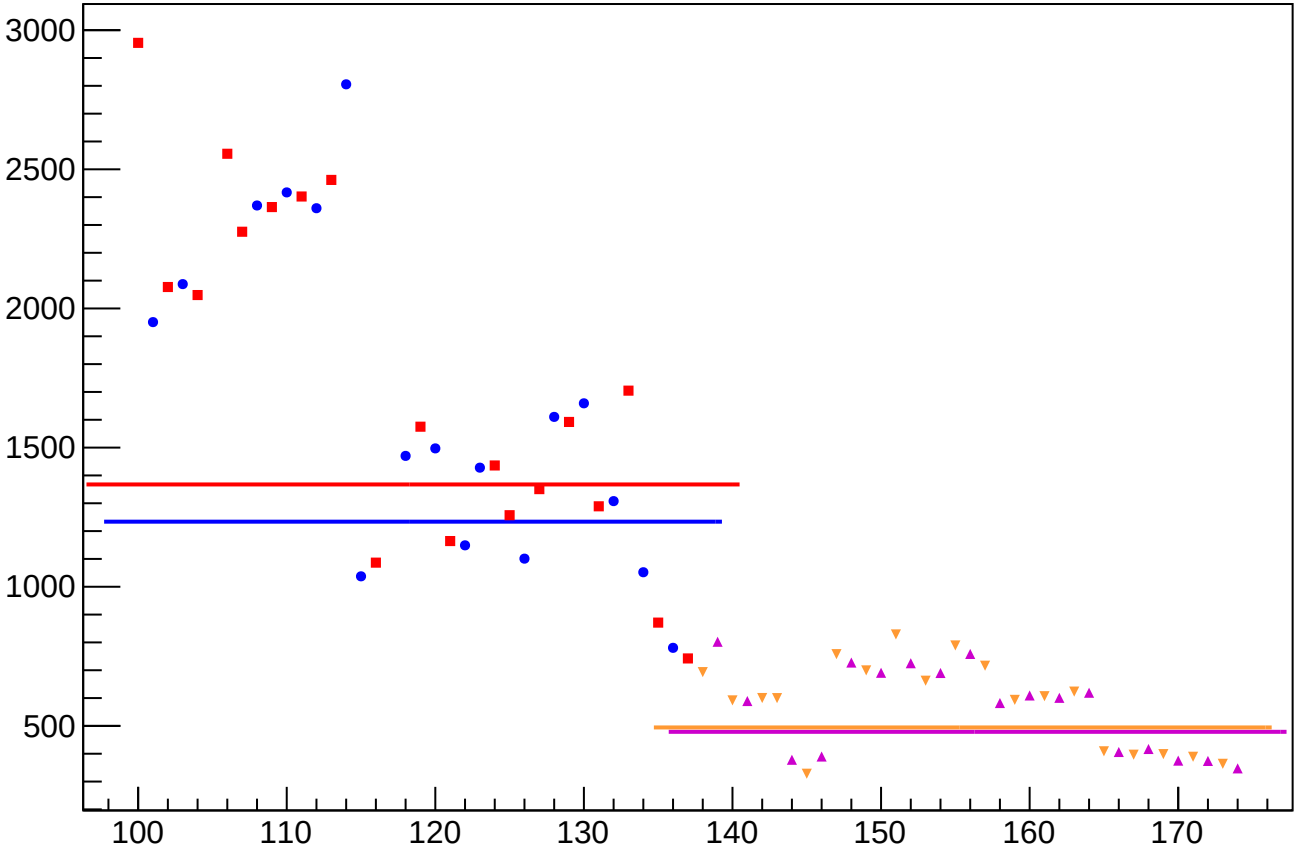
Right: 416.082+/-375.451 χ^2/NDF: 33.1/35

In: 97.529+/-129.499 χ^2/NDF:50.1/34

Out: 461.308+/-133.334 χ^2/NDF:56.1/37

All: 274.112+/-92.896 χ^2/NDF: 110.0/72

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863+/-0.364 χ^2/NDF: 1744048.5/16

Left Out: 494.437+/-0.097 χ^2/NDF:2371438.9/18

Right Out: 1367.609+/-0.388 χ^2/NDF: 1744594.4/18

Left In: 478.711+/-0.095 χ^2/NDF:2177419.2/17

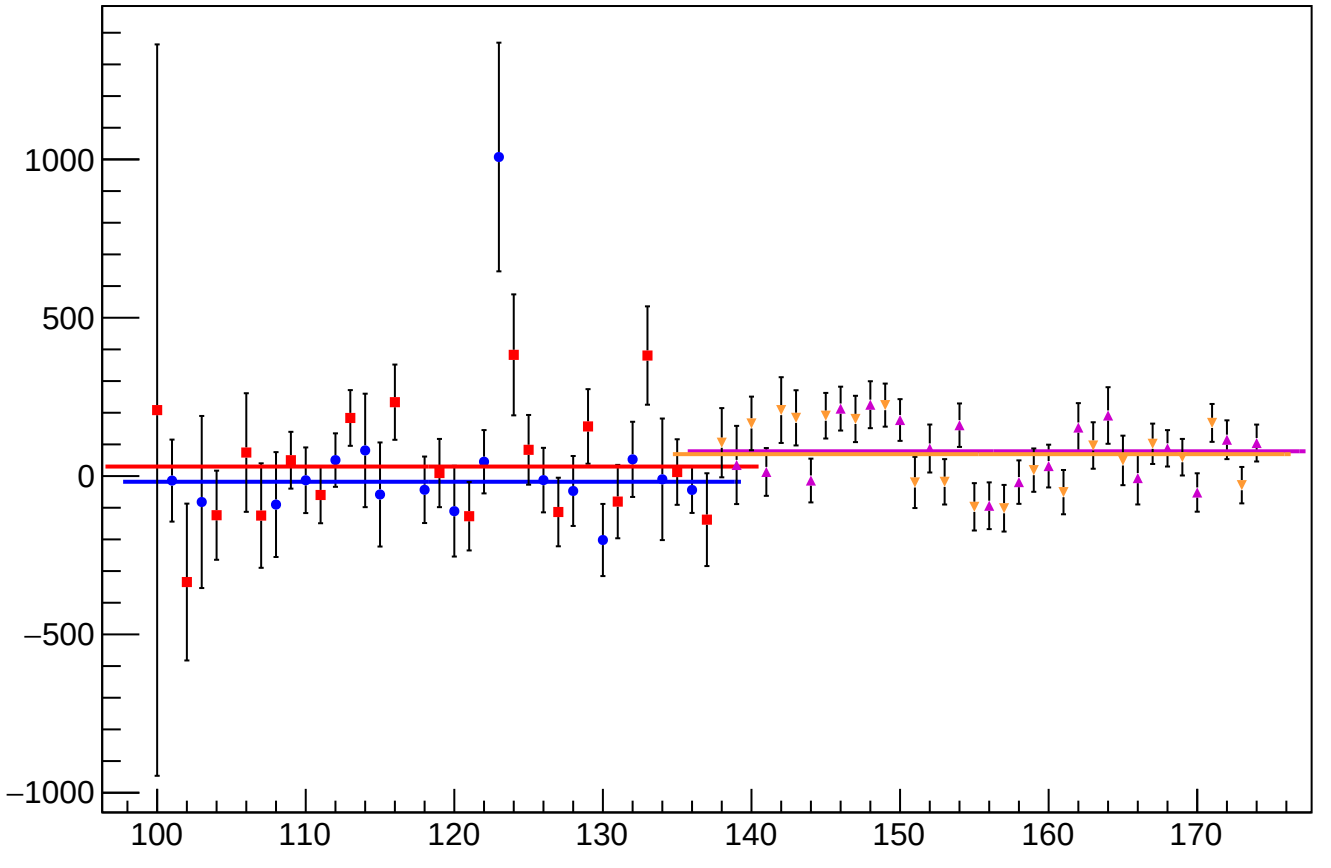
Left: 486.361+/-0.068 χ^2/NDF: 4562299.8/36

Right: 1296.600+/-0.265 χ^2/NDF: 3551849.9/35

In: 526.409+/-0.092 χ^2/NDF:7945756.5/34

Out: 546.093+/-0.094 χ^2/NDF:8890027.1/37

All: 535.964+/-0.066 χ^2/NDF: 16858214.2/72



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: 78.292+/-16.560 χ^2/NDF:30.8/17

Left: 73.757+/-11.708 χ^2/NDF: 68.8/36

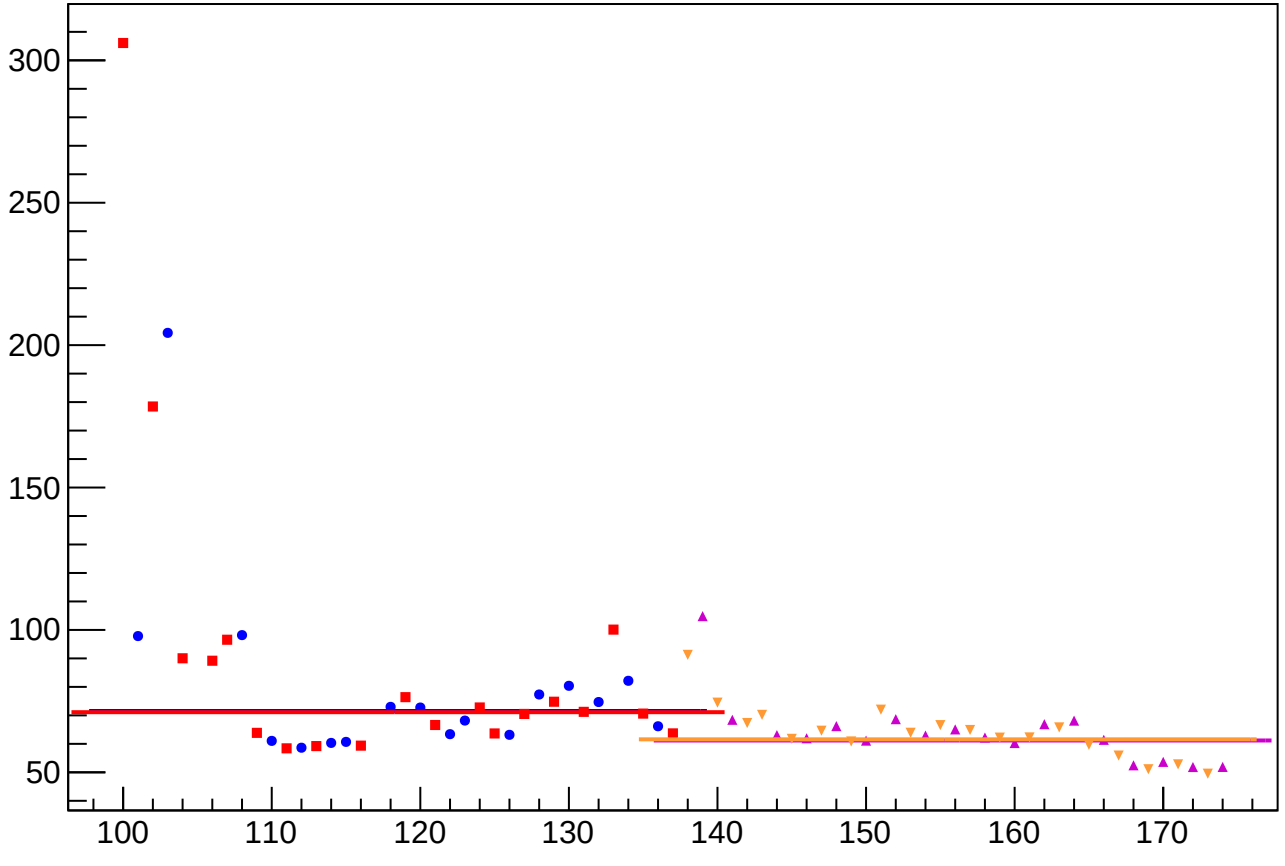
Right: 6.786+/-20.083 χ^2/NDF: 42.2/35

In: 54.431+/-14.362 χ^2/NDF:52.5/34

Out: 59.071+/-14.247 χ^2/NDF:66.8/37

All: 56.770+/-10.115 χ^2/NDF: 119.3/72

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536+/-0.020 χ^2/NDF: 758961.6/16

Left Out: 61.584+/-0.012 χ^2/NDF:492219.1/18

Right Out: 71.115+/-0.020 χ^2/NDF: 765159.2/18

Left In: 61.182+/-0.012 χ^2/NDF:503815.5/17

Left: 61.383+/-0.008 χ^2/NDF: 996622.8/36

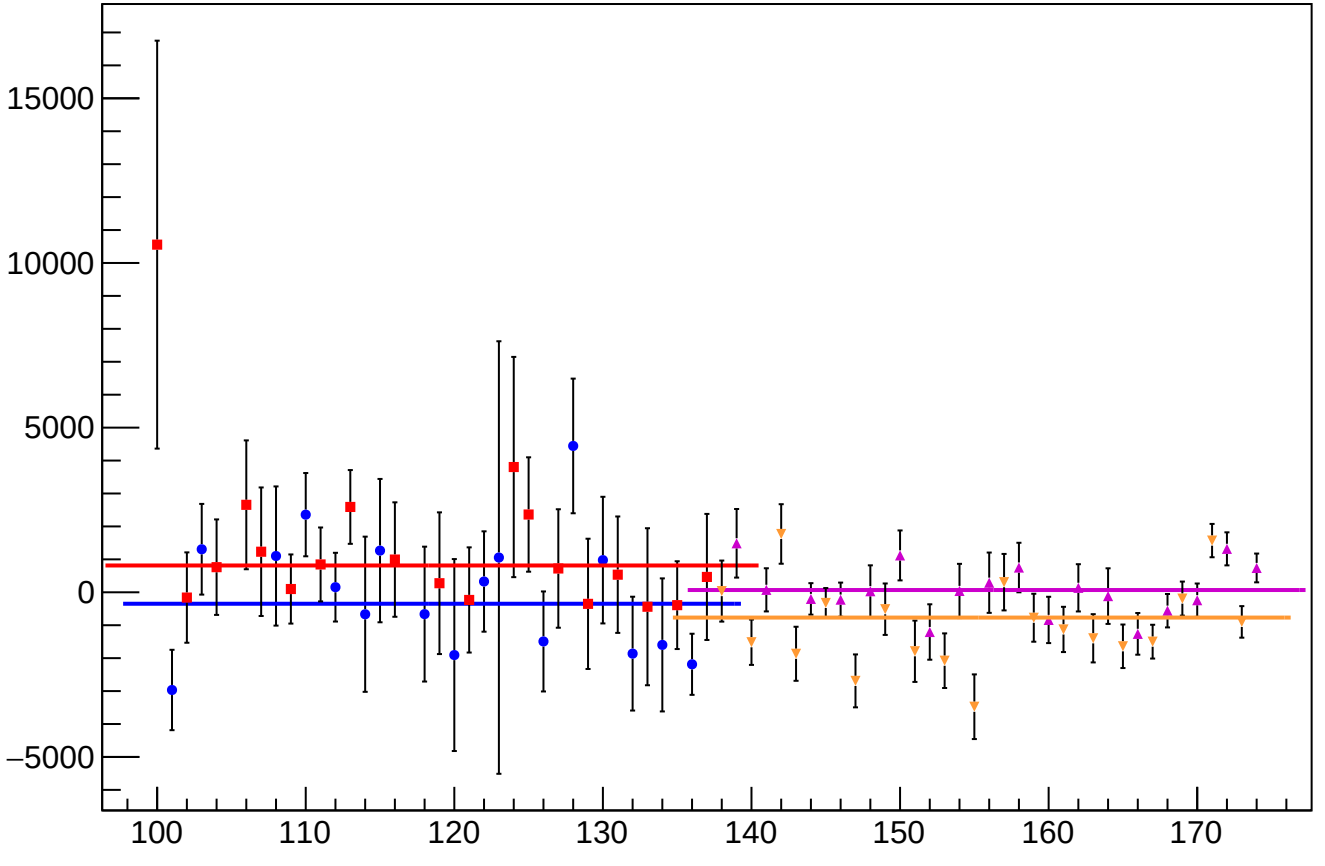
Right: 71.319+/-0.014 χ^2/NDF: 1524340.2/35

In: 63.748+/-0.010 χ^2/NDF:1456547.0/34

Out: 64.056+/-0.010 χ^2/NDF:1429313.8/37

All: 63.903+/-0.007 χ^2/NDF: 2886321.5/72

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: 68.826+/-148.407 χ^2/NDF:24.2/17

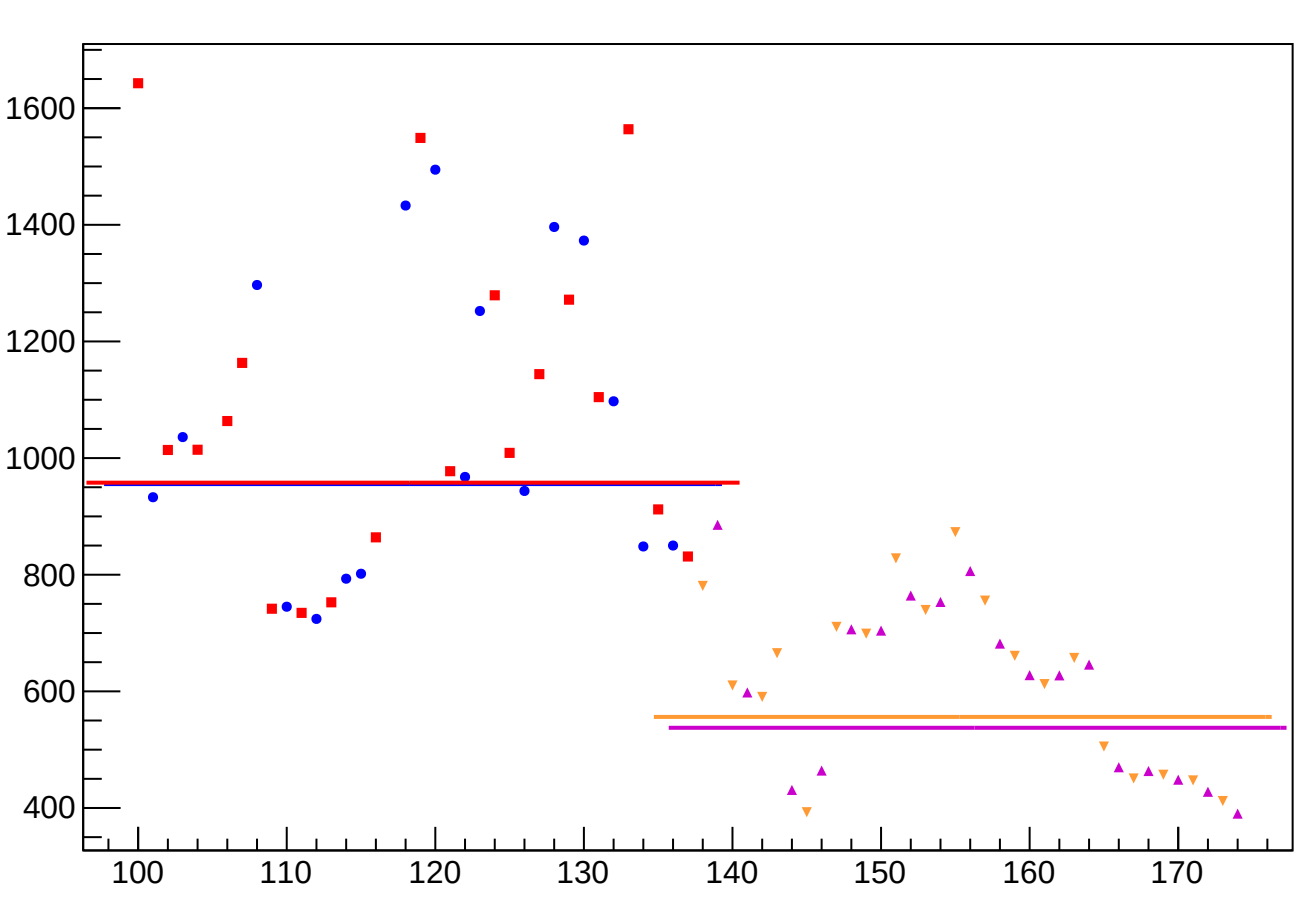
Left: -338.114+/-106.351 χ^2/NDF: 98.4/36

Right: 251.940+/-265.697 χ^2/NDF: 39.3/35

In: 14.170+/-138.334 χ^2/NDF:49.3/34

Out: -537.844+/-140.968 χ^2/NDF:84.9/37

All: -256.632+/-98.735 χ^2/NDF: 142.0/72



Right In: 955.425+/-0.270 χ^2/NDF: 646512.4/16

Left Out: 556.157+/-0.108 χ^2/NDF:1690527.0/18

Right Out: 957.849+/-0.261 χ^2/NDF: 693081.8/18

Left In: 537.530+/-0.105 χ^2/NDF:1644285.5/17

Left: 546.591+/-0.075 χ^2/NDF: 3350140.4/36

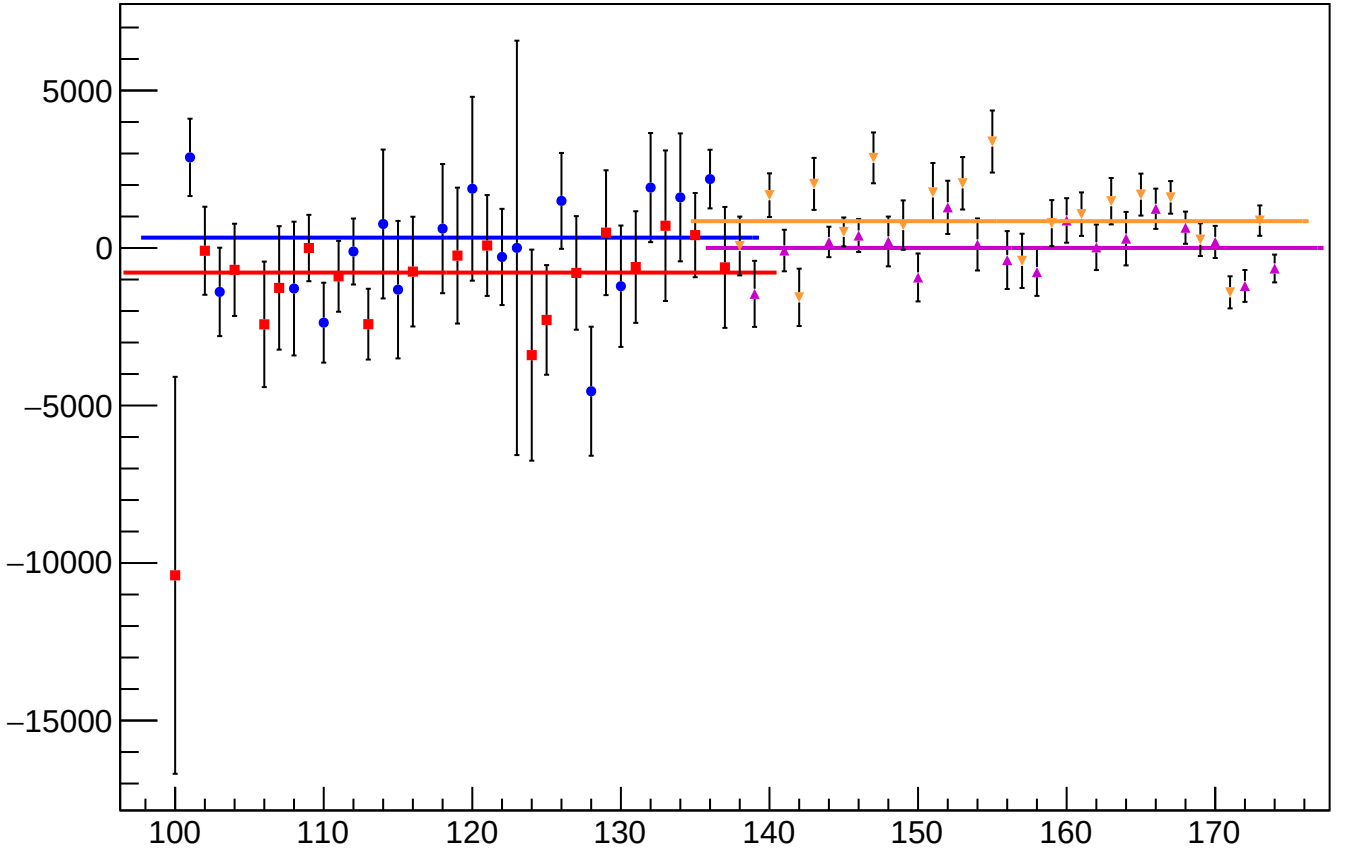
Right: 956.676+/-0.188 χ^2/NDF: 1339635.8/35

In: 592.334+/-0.098 χ^2/NDF:4370502.2/34

Out: 614.526+/-0.100 χ^2/NDF:4400461.2/37

All: 603.221+/-0.070 χ^2/NDF: 8796214.2/72

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164+/-383.728 χ^2/NDF: 24.3/16

Left Out: 852.663+/-153.523 χ^2/NDF:55.3/18

Right Out: -779.623+/-371.673 χ^2/NDF: 9.3/18

Left In: 1.760+/-149.480 χ^2/NDF:22.8/17

Left: 415.861+/-107.099 χ^2/NDF: 93.9/36

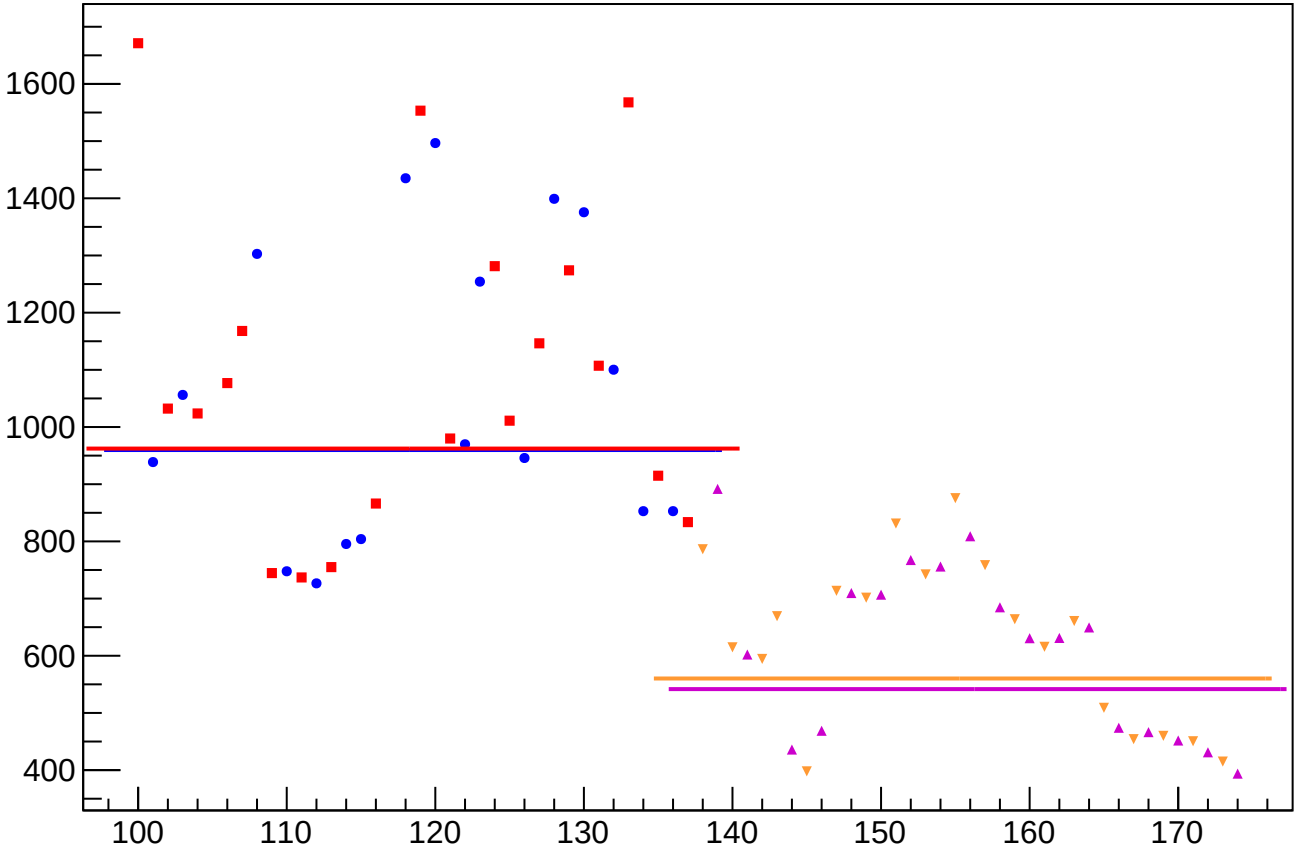
Right: -242.920+/-266.973 χ^2/NDF: 37.9/35

In: 44.897+/-139.285 χ^2/NDF:47.8/34

Out: 614.757+/-141.894 χ^2/NDF:81.1/37

All: 324.539+/-99.399 χ^2/NDF: 137.1/72

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770+/-0.271 χ^2/NDF: 646727.9/16

Left Out: 560.223+/-0.109 χ^2/NDF:1664624.2/18

Right Out: 962.314+/-0.263 χ^2/NDF: 695757.2/18

Left In: 541.682+/-0.106 χ^2/NDF:1619835.0/17

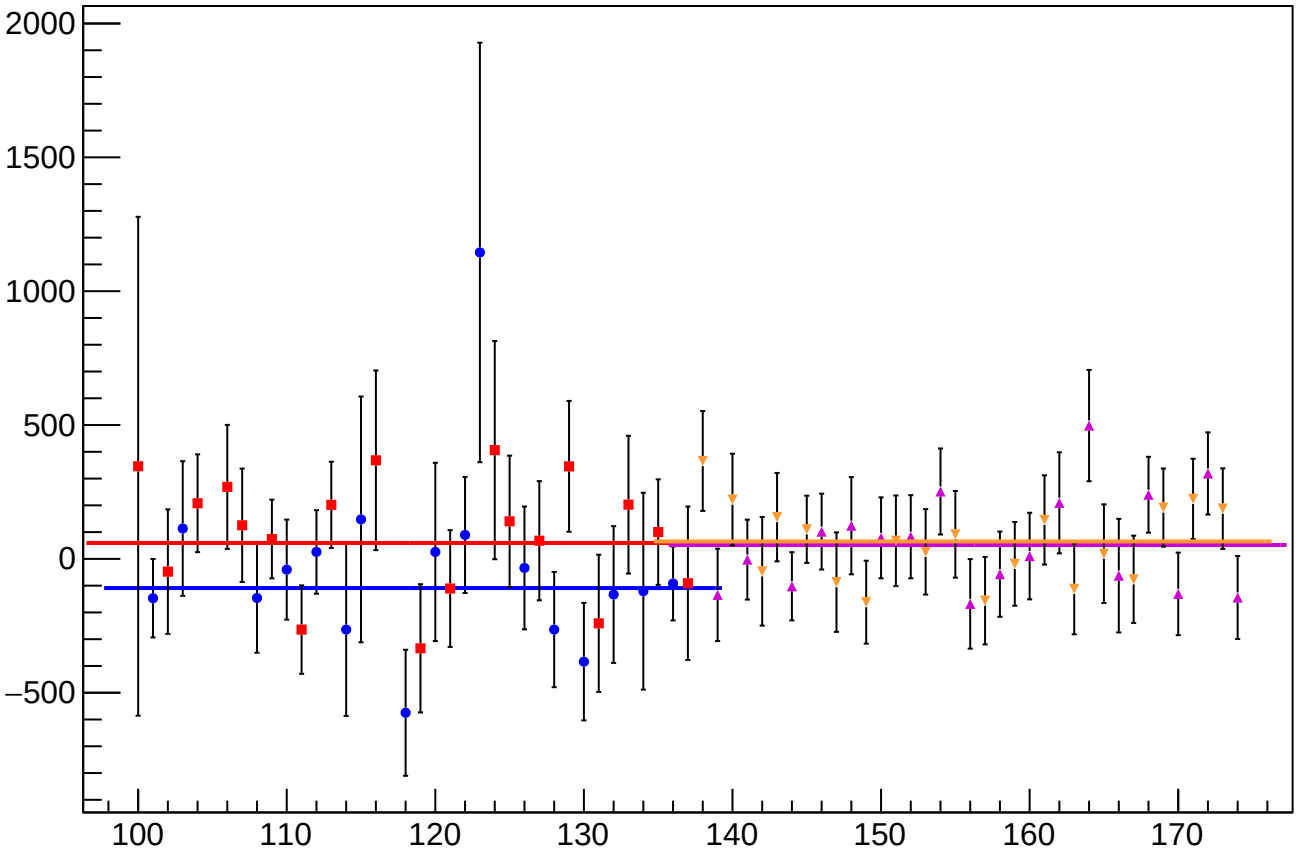
Left: 550.705+/-0.076 χ^2/NDF: 3299433.6/36

Right: 961.083+/-0.189 χ^2/NDF: 1342530.4/35

In: 596.767+/-0.098 χ^2/NDF:4327958.1/34

Out: 618.828+/-0.100 χ^2/NDF:4359972.1/37

All: 607.593+/-0.070 χ^2/NDF: 8712551.2/72



Right In: -108.977+/-52.923 χ^2/NDF: 12.0/16

Left Out: 65.166+/-37.206 χ^2/NDF:13.9/18

Right Out: 59.475+/-50.822 χ^2/NDF: 14.9/18

Left In: 51.875+/-37.607 χ^2/NDF:20.3/17

Left: 58.592+/-26.449 χ^2/NDF: 34.2/36

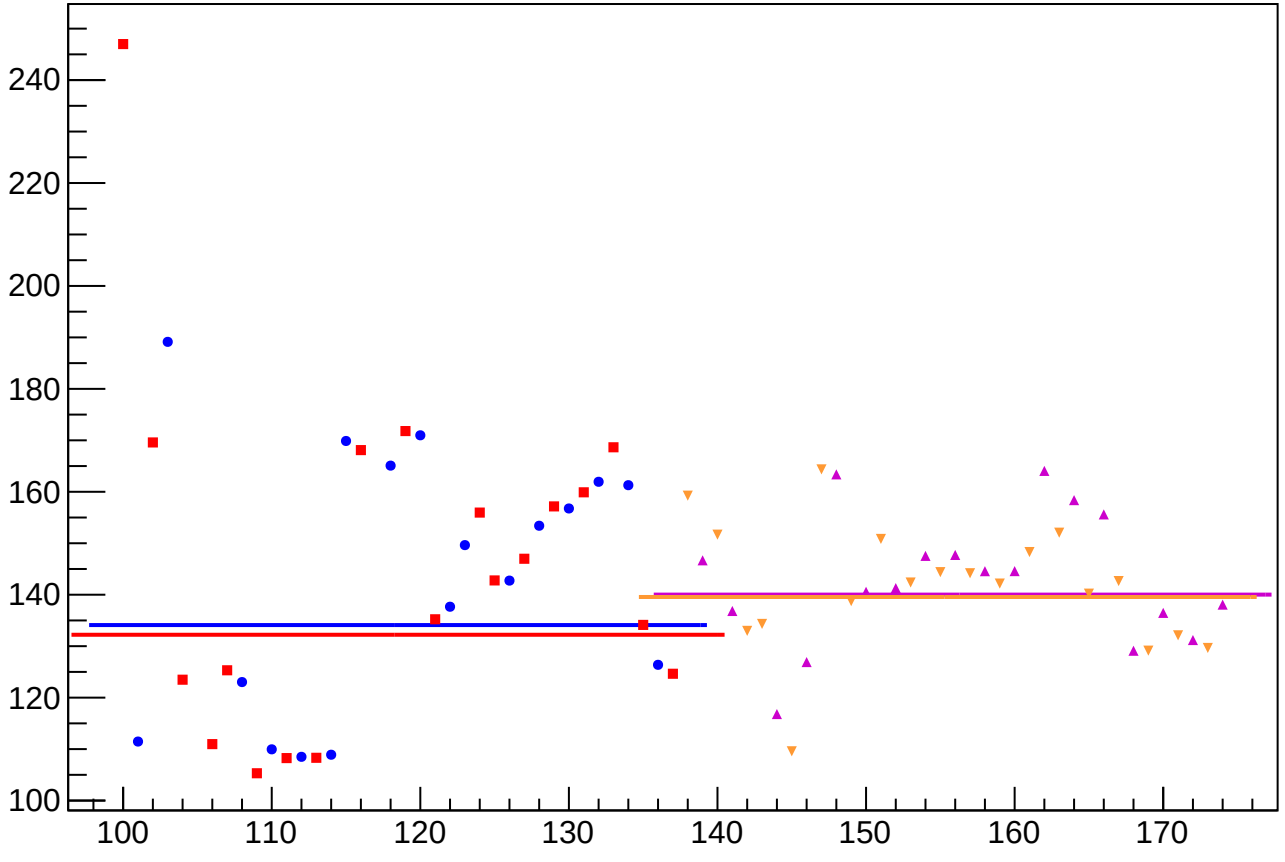
Right: -21.341+/-36.657 χ^2/NDF: 32.2/35

In: -2.096+/-30.655 χ^2/NDF:38.5/34

Out: 63.180+/-30.021 χ^2/NDF:28.8/37

All: 31.225+/-21.449 χ^2/NDF: 69.5/72

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: 140.019+/-0.027 χ^2/NDF:211217.3/17

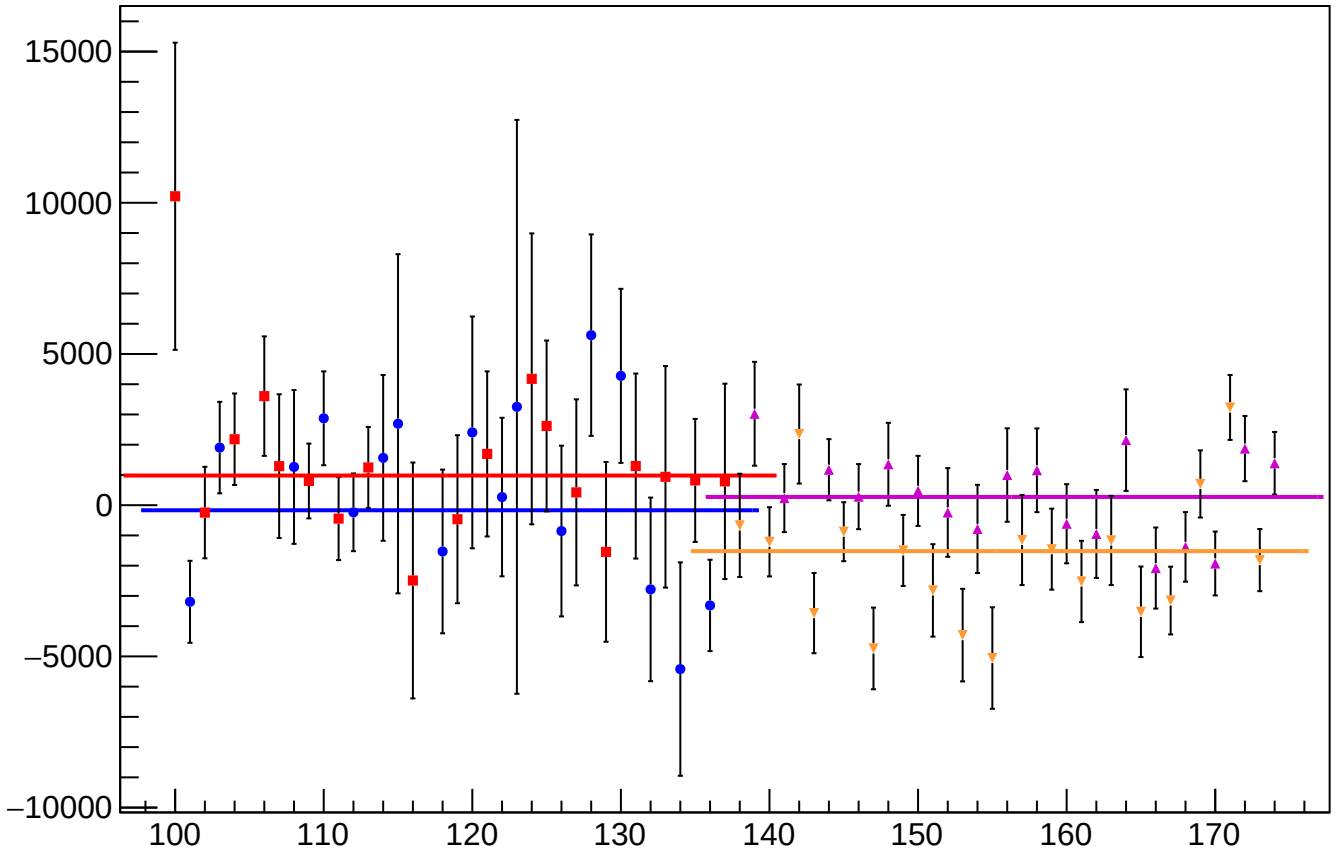
Left: 139.786+/-0.019 χ^2/NDF: 452057.9/36

Right: 133.123+/-0.026 χ^2/NDF: 845638.9/35

In: 138.034+/-0.022 χ^2/NDF:630405.0/34

Out: 136.997+/-0.021 χ^2/NDF:709581.7/37

All: 137.505+/-0.015 χ^2/NDF: 1341155.4/72



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: 272.276+/-294.462 χ^2/NDF:20.5/17

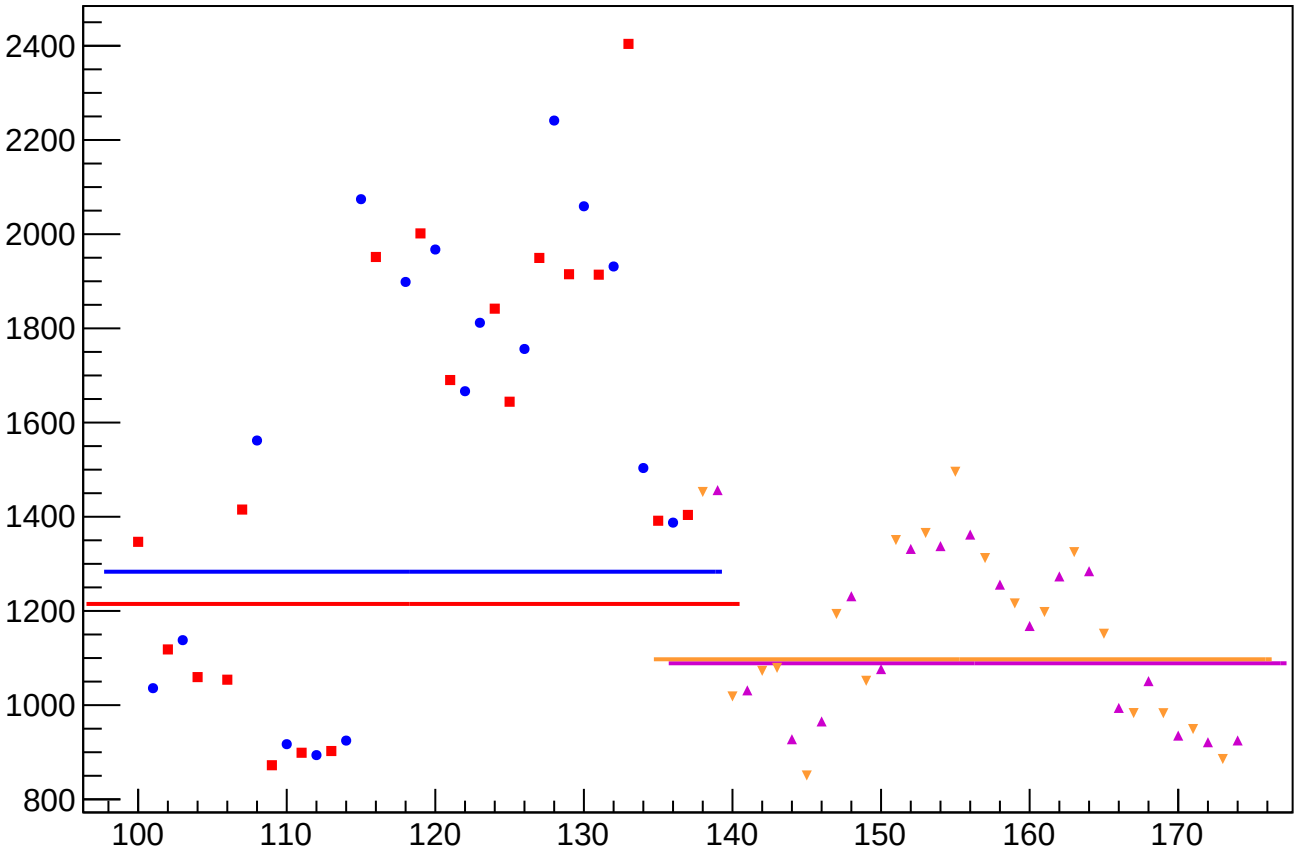
Left: -621.310+/-208.490 χ^2/NDF: 90.2/36

Right: 454.882+/-354.232 χ^2/NDF: 38.1/35

In: 166.453+/-256.667 χ^2/NDF:46.4/34

Out: -835.383+/-251.615 χ^2/NDF:81.0/37

All: -344.422+/-179.678 χ^2/NDF: 135.1/72



Right In: 1283.318+/-0.370 χ^2/NDF: 1169431.5/16

Left Out: 1097.382+/-0.209 χ^2/NDF:750455.6/18

Right Out: 1214.883+/-0.340 χ^2/NDF: 1360860.3/18

Left In: 1088.896+/-0.208 χ^2/NDF:619912.4/17

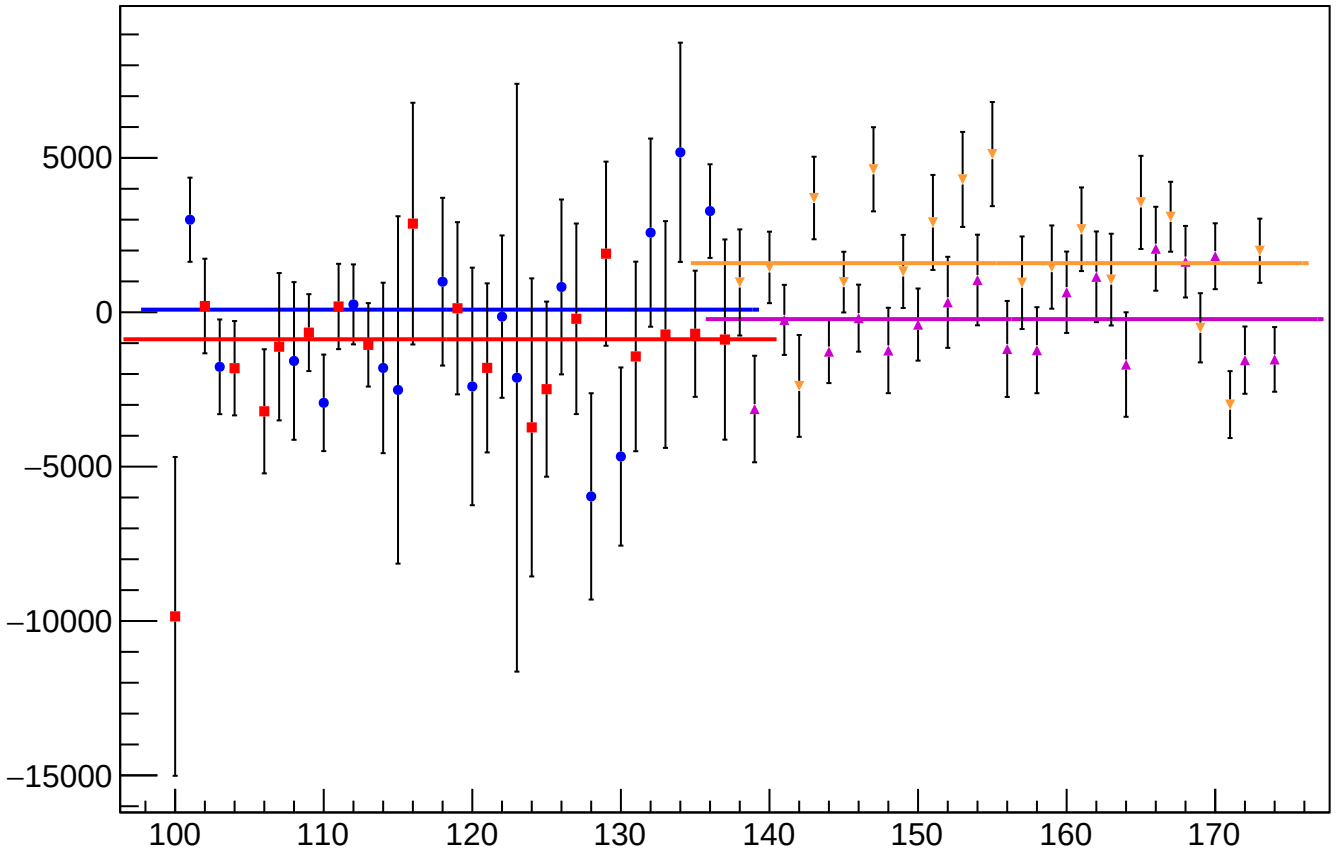
Left: 1093.128+/-0.147 χ^2/NDF: 1371196.3/36

Right: 1246.197+/-0.250 χ^2/NDF: 2548819.1/35

In: 1135.601+/-0.181 χ^2/NDF:1998796.3/34

Out: 1129.539+/-0.178 χ^2/NDF:2198014.2/37

All: 1132.510+/-0.127 χ^2/NDF: 4197379.4/72



Right In: 85.077+/-527.082 χ^2/NDF: 24.7/16

Left Out: 1591.617+/-297.753 χ^2/NDF:48.0/18

Right Out: -874.592+/-484.647 χ^2/NDF: 8.7/18

Left In: -221.800+/-297.034 χ^2/NDF:20.4/17

Left: 682.714+/-210.288 χ^2/NDF: 87.0/36

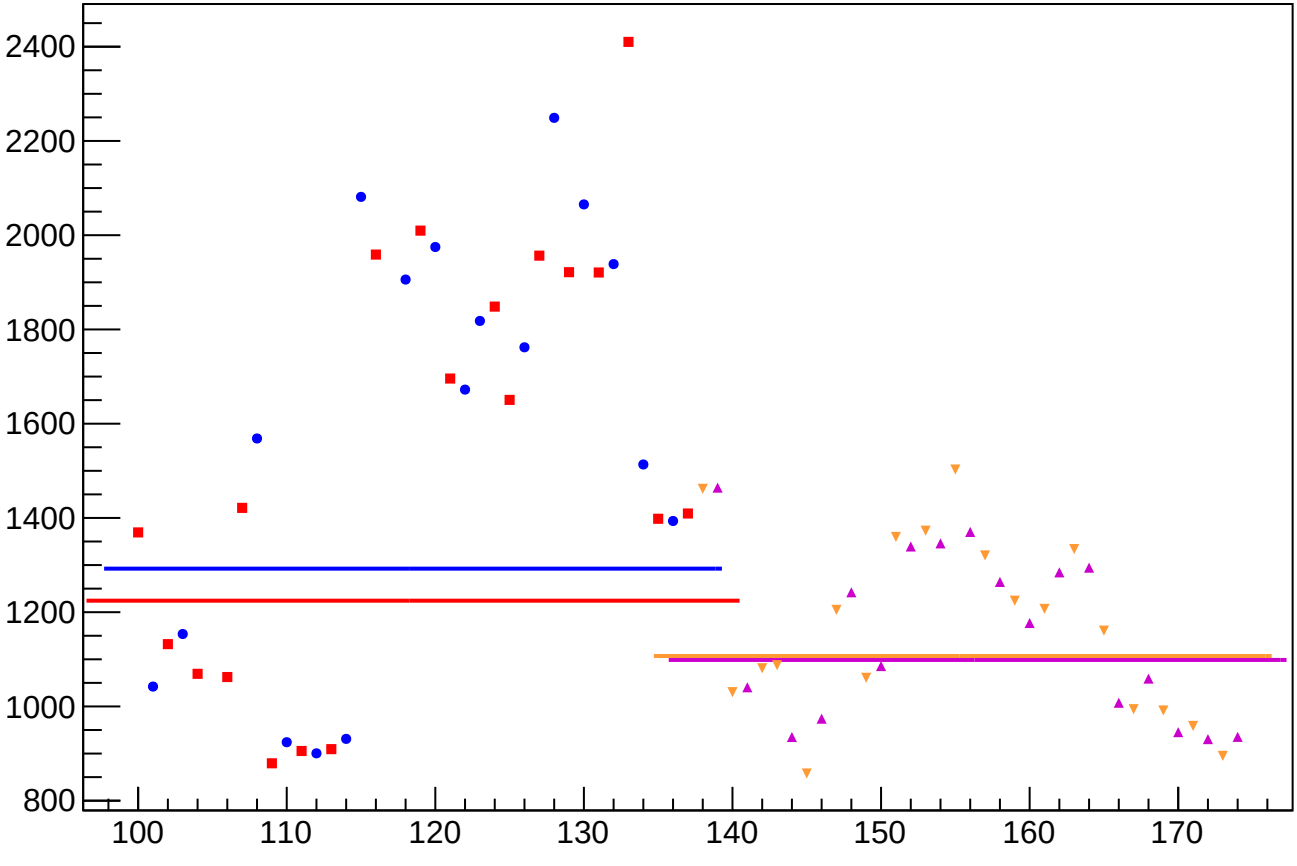
Right: -434.939+/-356.757 χ^2/NDF: 35.2/35

In: -147.832+/-258.772 χ^2/NDF:45.3/34

Out: 915.820+/-253.699 χ^2/NDF:75.5/37

All: 394.522+/-181.159 χ^2/NDF: 129.5/72

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426+/-0.373 χ^2/NDF: 1156576.0/16

Left Out: 1107.024+/-0.211 χ^2/NDF:738159.9/18

Right Out: 1224.429+/-0.343 χ^2/NDF: 1345748.2/18

Left In: 1098.669+/-0.210 χ^2/NDF:608487.6/17

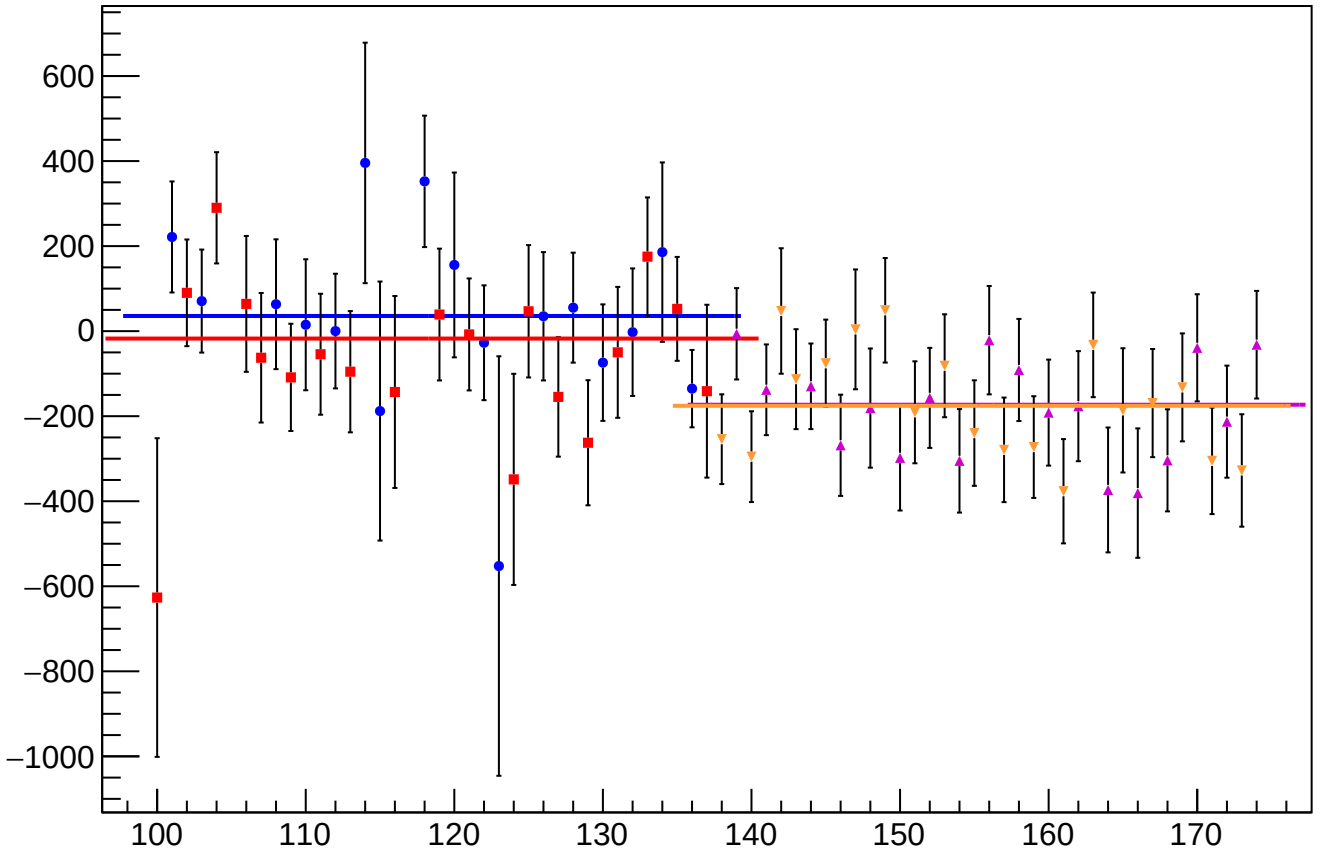
Left: 1102.836+/-0.149 χ^2/NDF: 1347436.8/36

Right: 1255.580+/-0.252 χ^2/NDF: 2520360.3/35

In: 1145.370+/-0.183 χ^2/NDF:1970185.1/34

Out: 1139.196+/-0.179 χ^2/NDF:2169115.8/37

All: 1142.222+/-0.128 χ^2/NDF: 4139881.5/72



Right In: 35.679+/-36.350 χ^2/NDF: 15.3/16

Left Out: -175.621+/-28.060 χ^2/NDF:19.1/18

Right Out: -17.418+/-34.691 χ^2/NDF: 18.9/18

Left In: -173.033+/-28.912 χ^2/NDF:14.8/17

Left: -174.366+/-20.136 χ^2/NDF: 34.0/36

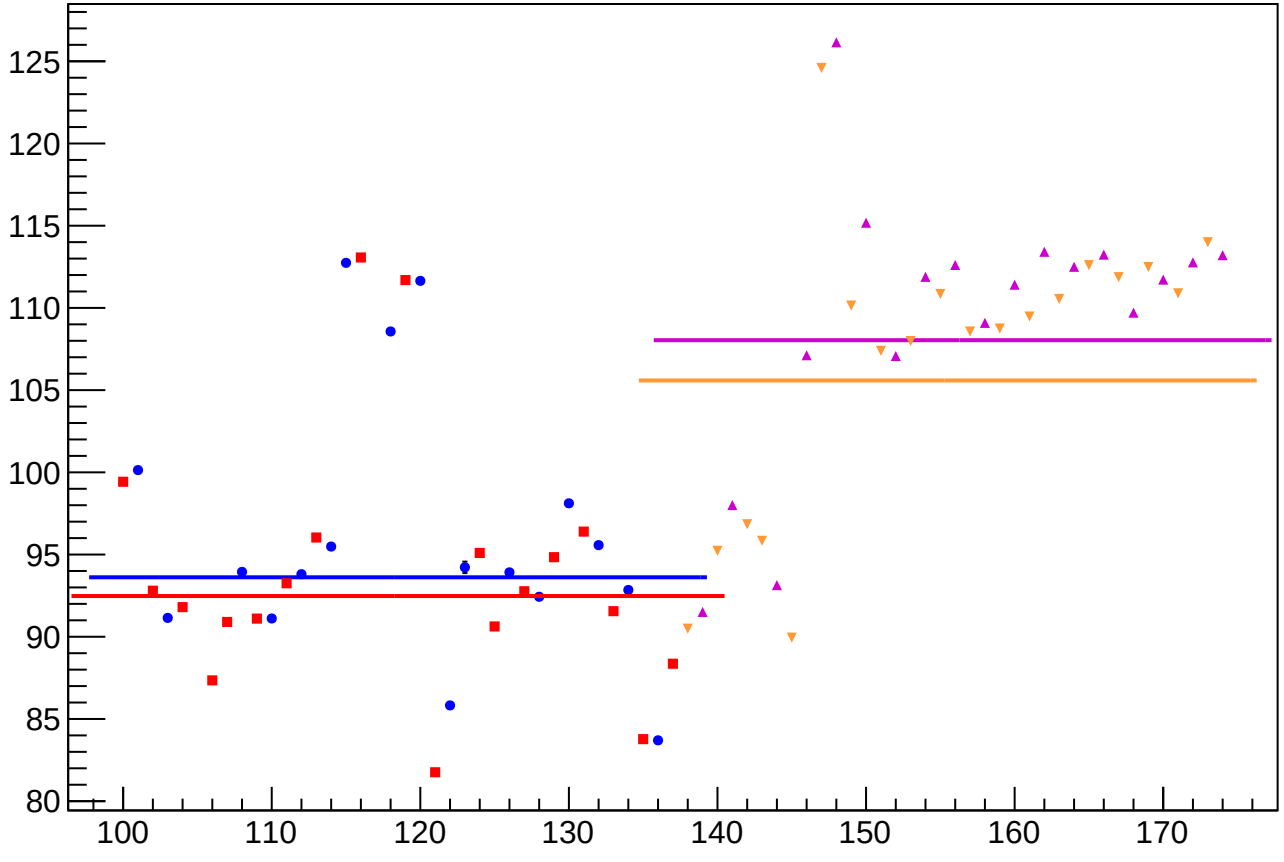
Right: 7.891+/-25.096 χ^2/NDF: 35.3/35

In: -92.162+/-22.627 χ^2/NDF:50.3/34

Out: -113.054+/-21.816 χ^2/NDF:50.6/37

All: -102.989+/-15.705 χ^2/NDF: 101.4/72

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: 108.036+/-0.020 χ^2/NDF:170969.5/17

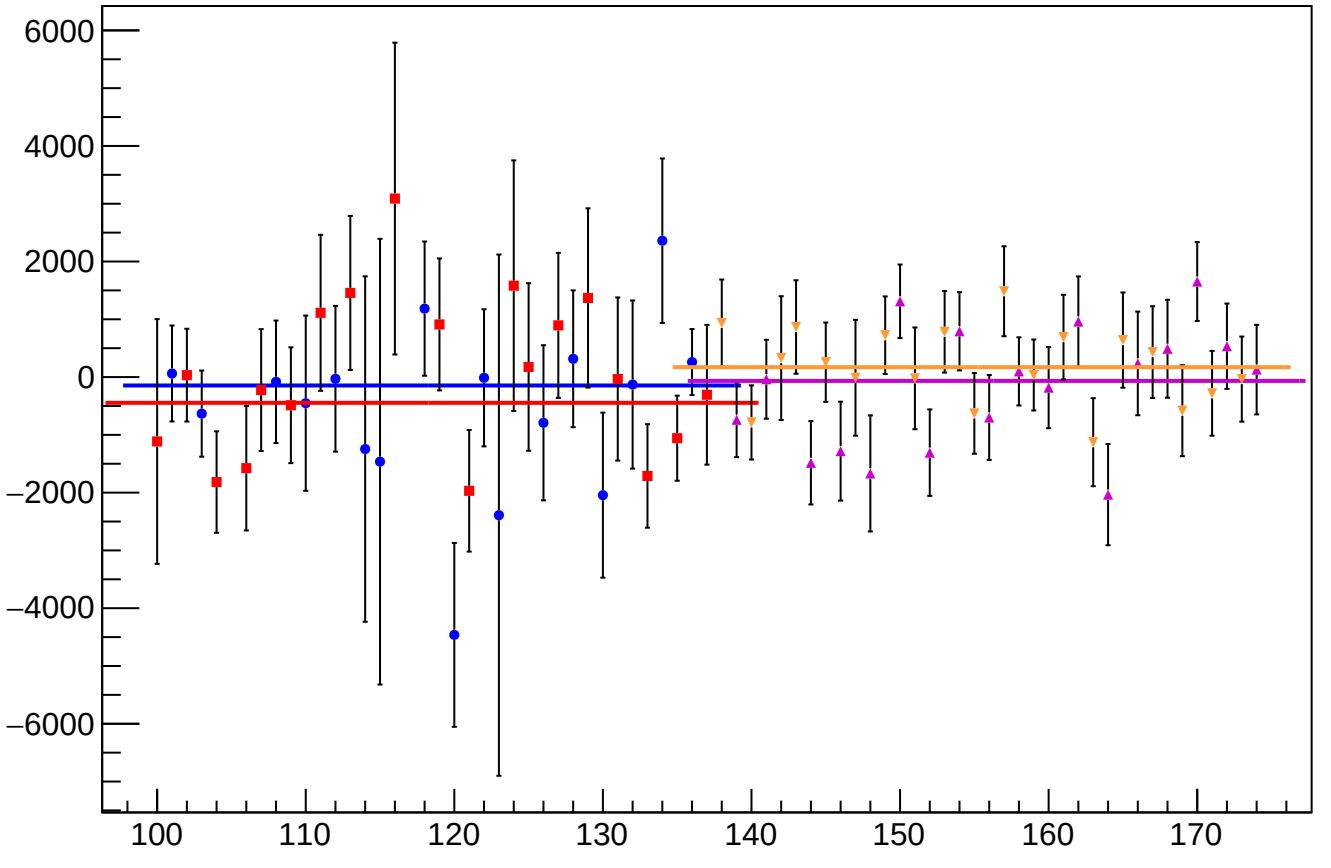
Left: 106.775+/-0.014 χ^2/NDF: 384167.0/36

Right: 93.020+/-0.018 χ^2/NDF: 159546.8/35

In: 102.449+/-0.016 χ^2/NDF:443689.0/34

Out: 100.403+/-0.015 χ^2/NDF:457085.5/37

All: 101.388+/-0.011 χ^2/NDF: 909248.9/72



Right In: -145.464+/-276.629 χ^2/NDF: 15.5/16

Left Out: 171.544+/-172.663 χ^2/NDF:15.0/18

Right Out: -445.575+/-260.276 χ^2/NDF: 19.0/18

Left In: -66.237+/-173.439 χ^2/NDF:33.8/17

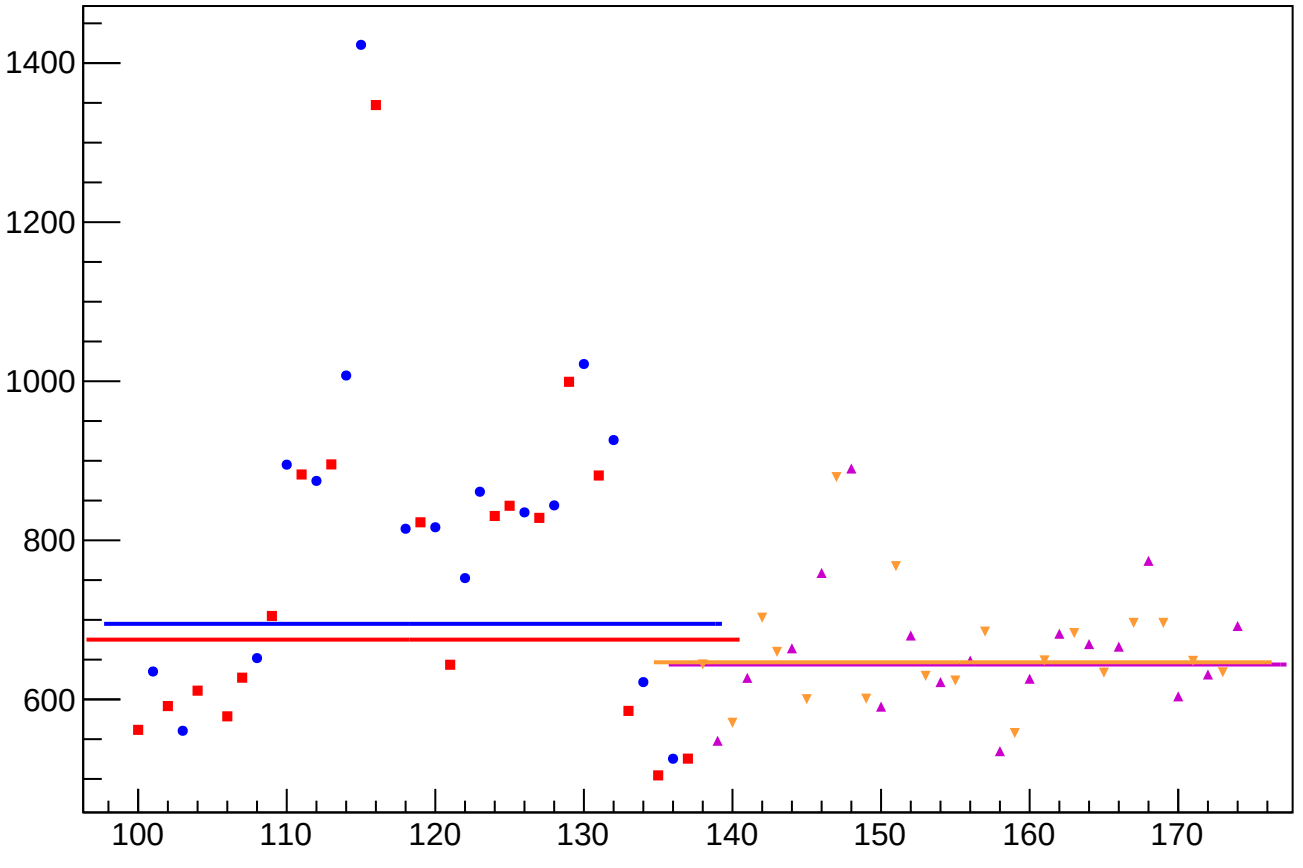
Left: 53.187+/-122.364 χ^2/NDF: 49.7/36

Right: -304.652+/-189.560 χ^2/NDF: 35.1/35

In: -88.593+/-146.946 χ^2/NDF:49.4/34

Out: -17.043+/-143.882 χ^2/NDF:37.9/37

All: -52.064+/-102.806 χ^2/NDF: 87.3/72



Right In: 695.014+/-0.196 χ^2/NDF: 677713.0/16

Left Out: 646.673+/-0.122 χ^2/NDF:269753.5/18

Right Out: 675.151+/-0.184 χ^2/NDF: 676394.1/18

Left In: 643.859+/-0.123 χ^2/NDF:364081.4/17

Left: 645.273+/-0.087 χ^2/NDF: 634099.3/36

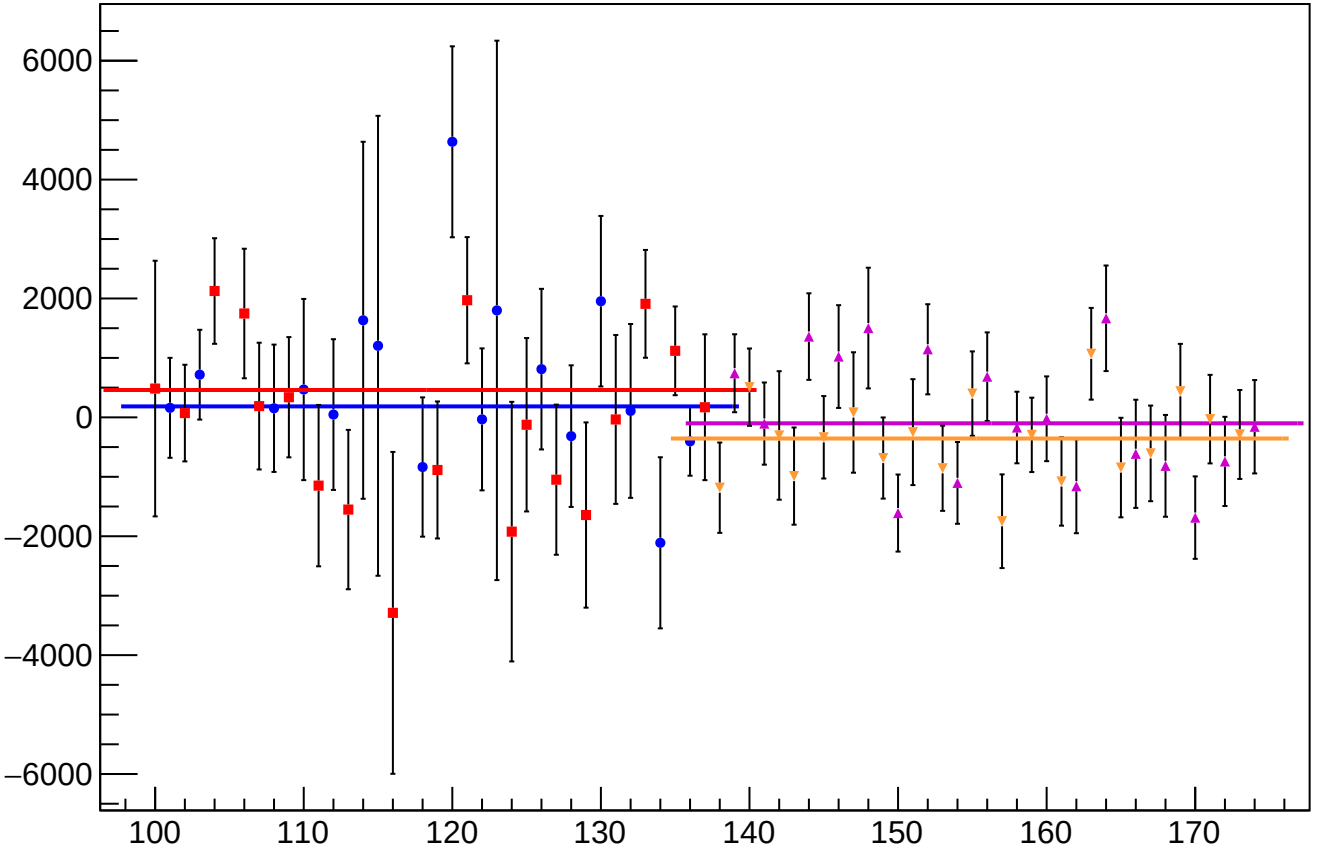
Right: 684.478+/-0.134 χ^2/NDF: 1359576.7/35

In: 658.294+/-0.104 χ^2/NDF:1090887.6/34

Out: 655.376+/-0.102 χ^2/NDF:962773.3/37

All: 656.804+/-0.073 χ^2/NDF: 2054063.6/72

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518+/-279.390 χ^2/NDF: 14.9/16

Left Out: -355.579+/-175.069 χ^2/NDF:14.7/18

Right Out: 460.174+/-262.960 χ^2/NDF: 22.3/18

Left In: -100.012+/-175.991 χ^2/NDF:34.0/17

Left: -228.467+/-124.117 χ^2/NDF: 49.7/36

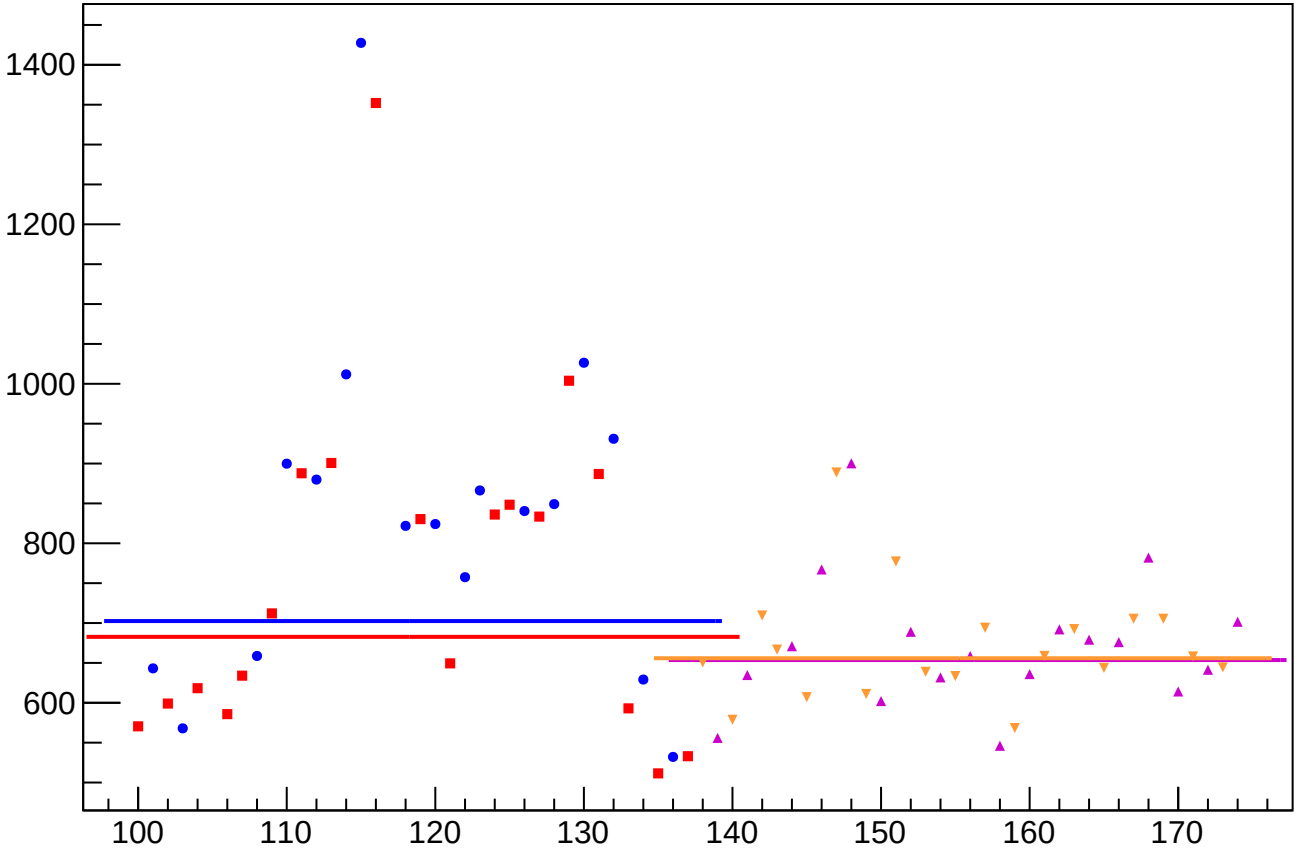
Right: 330.689+/-191.486 χ^2/NDF: 37.7/35

In: -19.185+/-148.910 χ^2/NDF:49.6/34

Out: -105.050+/-145.727 χ^2/NDF:43.7/37

All: -63.045+/-104.152 χ^2/NDF: 93.5/72

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469+/-0.198 χ^2/NDF: 660525.4/16

Left Out: 655.881+/-0.124 χ^2/NDF:262609.6/18

Right Out: 682.662+/-0.186 χ^2/NDF: 659521.7/18

Left In: 653.576+/-0.124 χ^2/NDF:350637.9/17

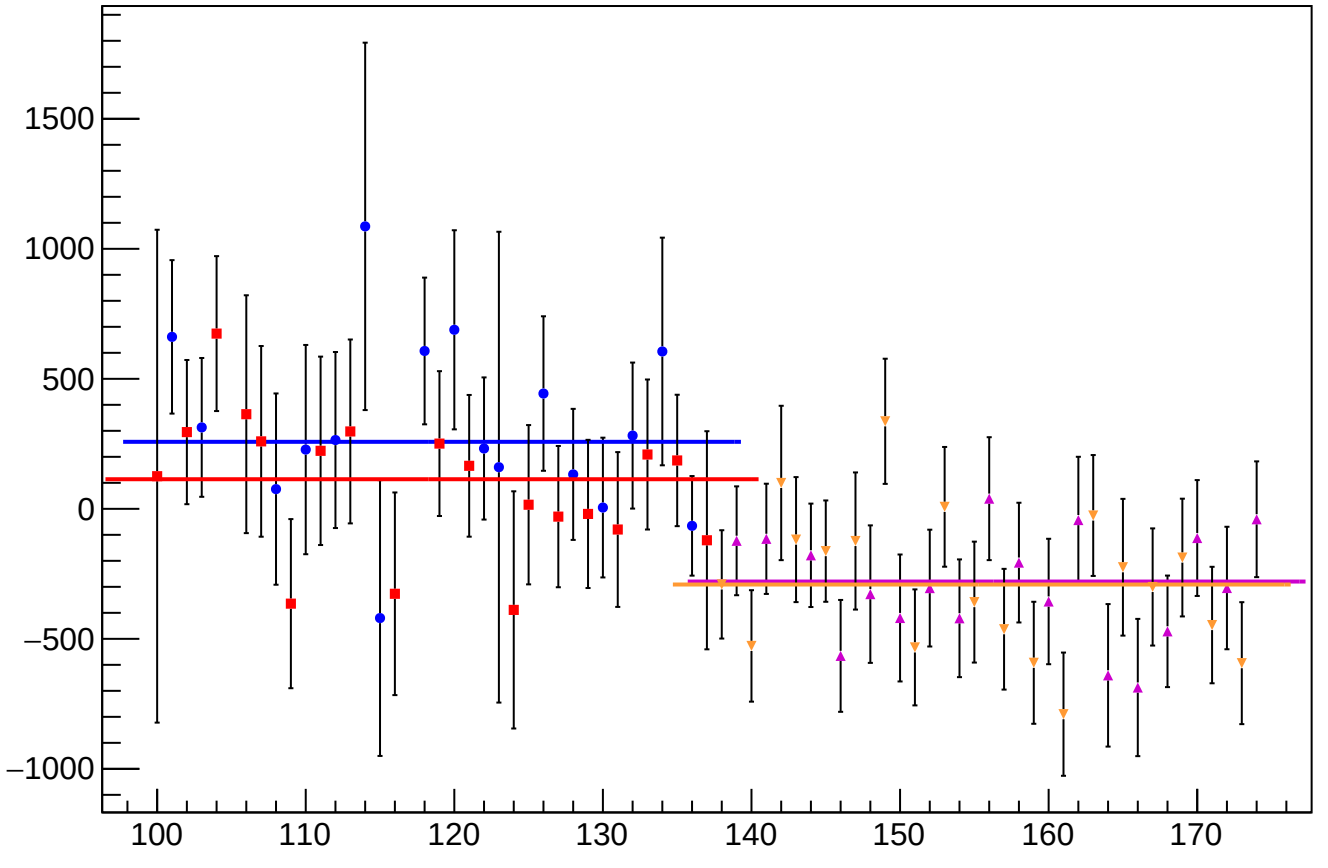
Left: 654.734+/-0.088 χ^2/NDF: 613420.0/36

Right: 691.966+/-0.135 χ^2/NDF: 1325377.5/35

In: 667.465+/-0.105 χ^2/NDF:1055014.0/34

Out: 664.106+/-0.103 χ^2/NDF:936504.6/37

All: 665.749+/-0.074 χ^2/NDF: 1992038.4/72



Right In: 257.721+/-75.931 χ^2/NDF: 13.0/16

Left Out: -291.076+/-53.172 χ^2/NDF:24.4/18

Right Out: 113.851+/-74.211 χ^2/NDF: 11.2/18

Left In: -279.653+/-54.156 χ^2/NDF:13.6/17

Left: -285.469+/-37.941 χ^2/NDF: 38.0/36

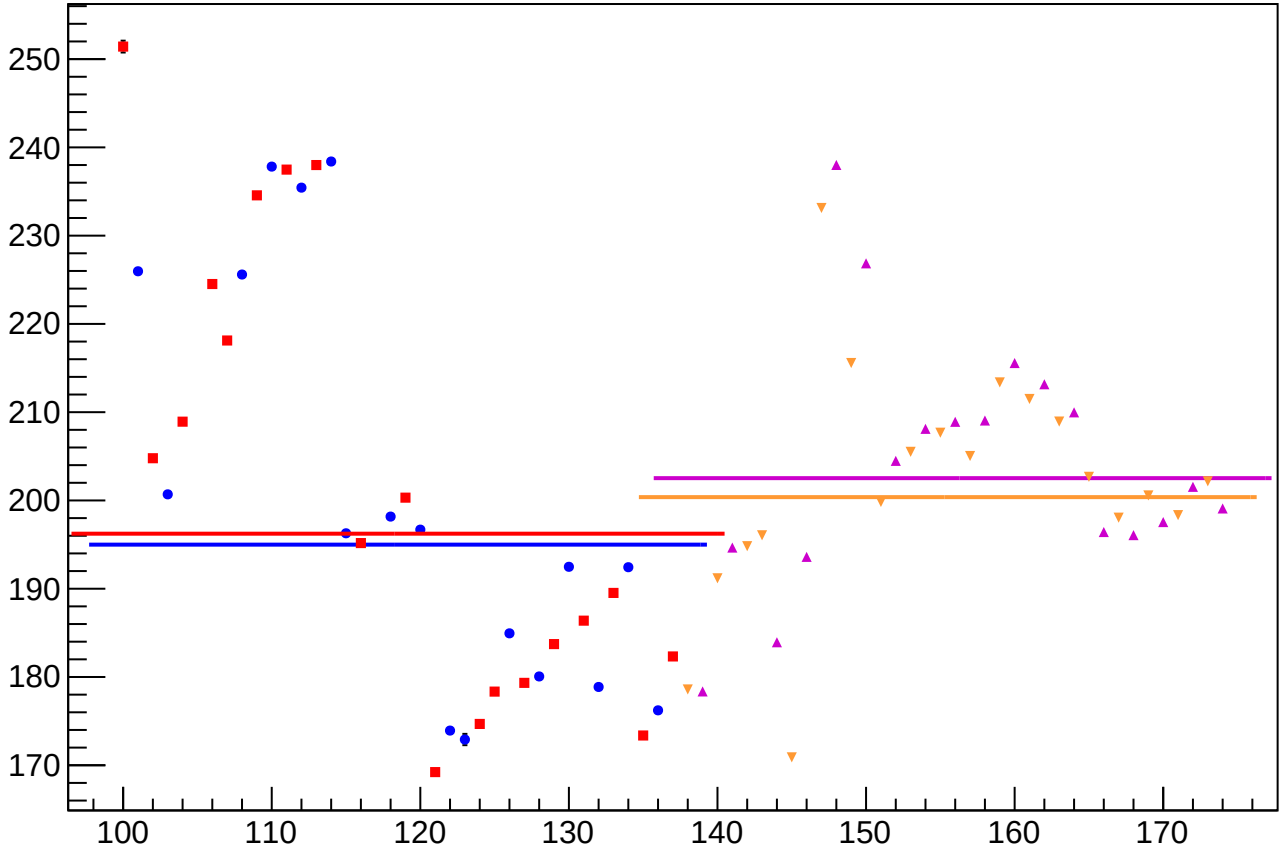
Right: 184.138+/-53.073 χ^2/NDF: 26.1/35

In: -98.464+/-44.091 χ^2/NDF:59.8/34

Out: -153.717+/-43.222 χ^2/NDF:55.3/37

All: -126.640+/-30.865 χ^2/NDF: 115.9/72

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994+/-0.054 χ^2/NDF: 144271.1/16

Left Out: 200.376+/-0.038 χ^2/NDF:129202.2/18

Right Out: 196.235+/-0.052 χ^2/NDF: 173491.6/18

Left In: 202.527+/-0.038 χ^2/NDF:126175.6/17

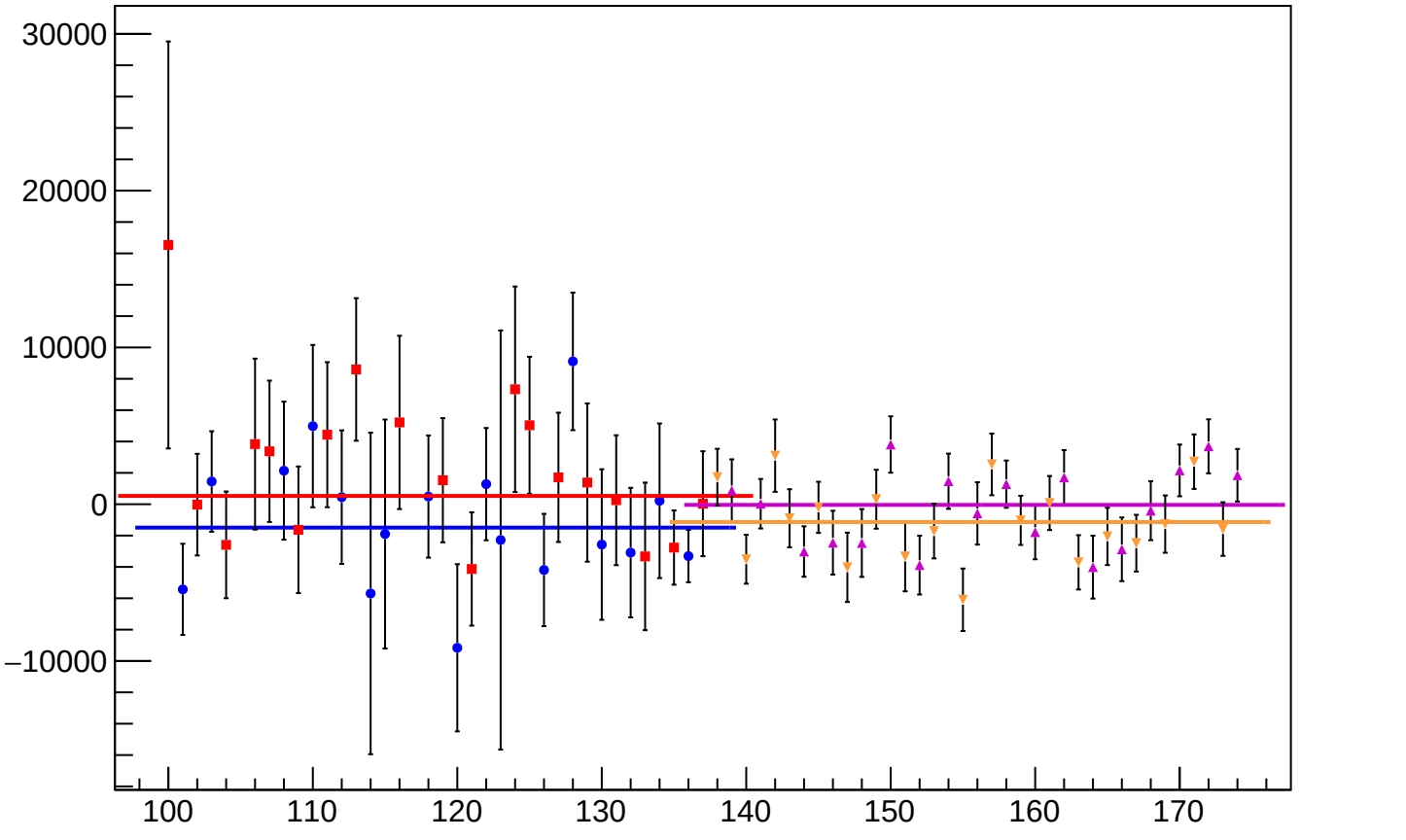
Left: 201.432+/-0.027 χ^2/NDF: 256984.2/36

Right: 195.629+/-0.038 χ^2/NDF: 318035.8/35

In: 199.987+/-0.031 χ^2/NDF:283493.1/34

Out: 198.971+/-0.031 χ^2/NDF:306809.1/37

All: 199.469+/-0.022 χ^2/NDF: 590843.6/72



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: -41.903+/-422.510 χ^2/NDF:32.3/17

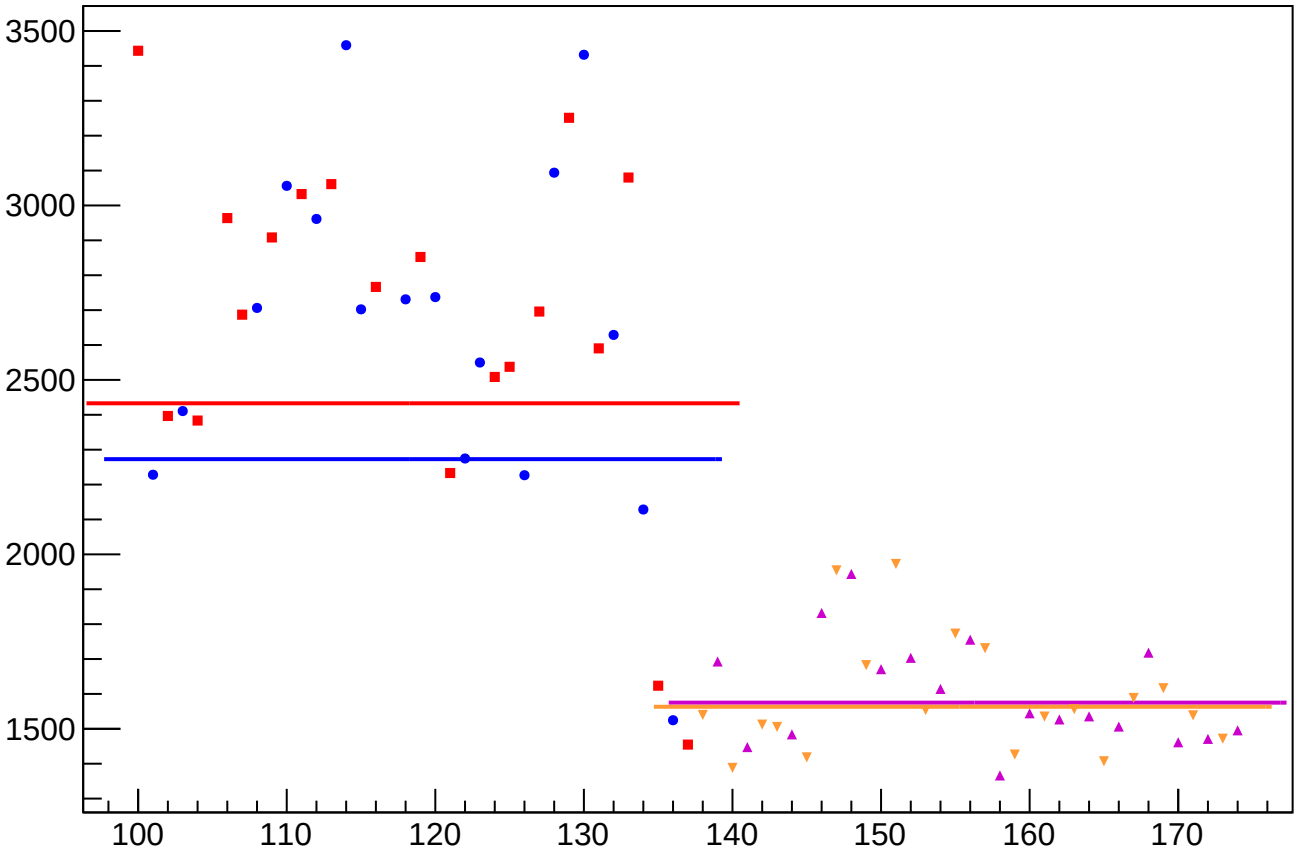
Left: -597.130+/-296.710 χ^2/NDF: 65.8/36

Right: -508.424+/-652.337 χ^2/NDF: 33.2/35

In: -298.904+/-383.281 χ^2/NDF:50.6/34

Out: -861.068+/-380.648 χ^2/NDF:47.4/37

All: -581.924+/-270.085 χ^2/NDF: 99.0/72



Right In: 2272.883+/-0.644 χ^2/NDF: 805650.3/16

Left Out: 1563.172+/-0.295 χ^2/NDF:258481.7/18

Right Out: 2432.950+/-0.661 χ^2/NDF: 680783.9/18

Left In: 1575.010+/-0.299 χ^2/NDF:225383.1/17

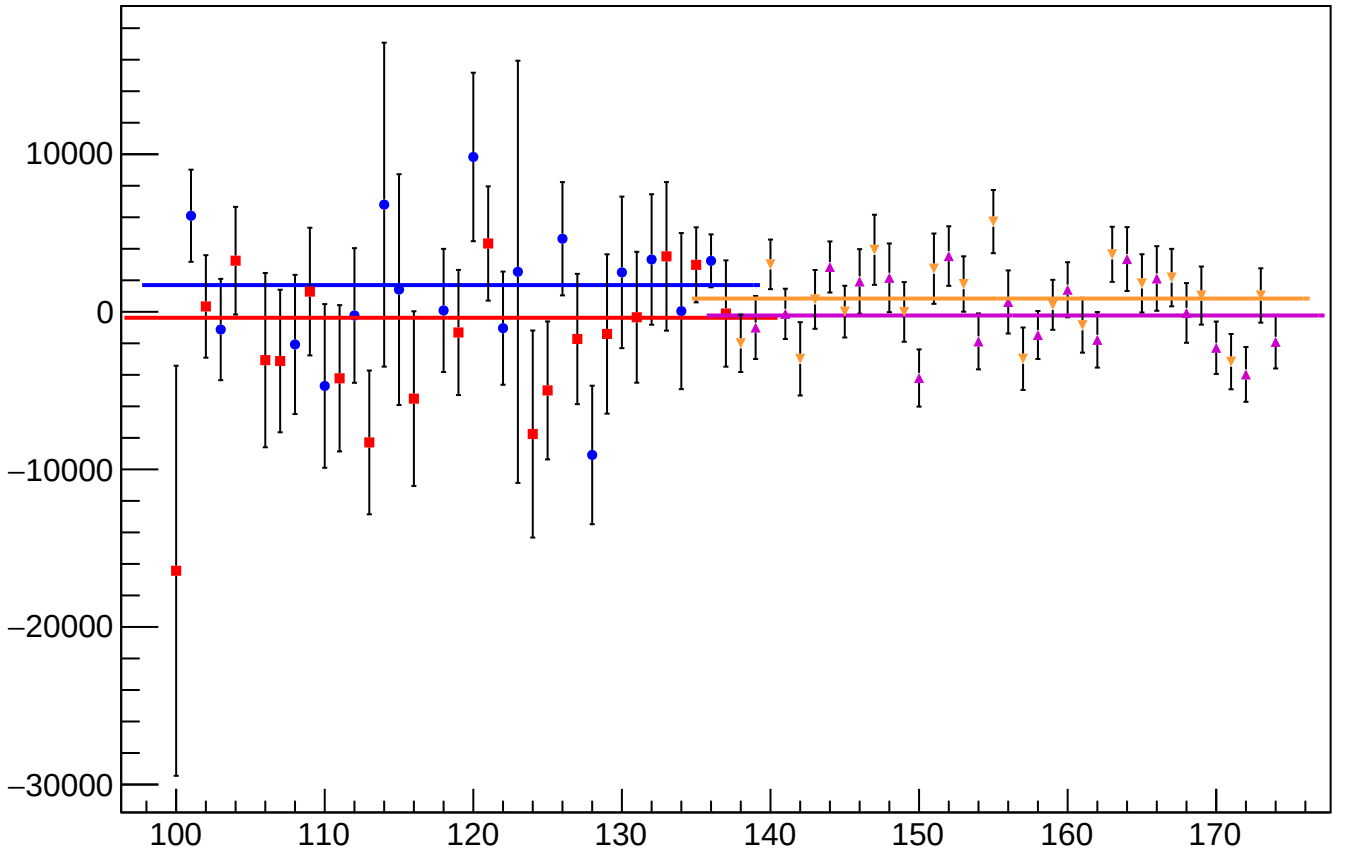
Left: 1569.010+/-0.210 χ^2/NDF: 484660.5/36

Right: 2350.846+/-0.461 χ^2/NDF: 1516518.2/35

In: 1698.586+/-0.271 χ^2/NDF:1997229.7/34

Out: 1707.415+/-0.269 χ^2/NDF:2383824.9/37

All: 1703.031+/-0.191 χ^2/NDF: 4381588.9/72



Right In: 1695.956+/-914.855 χ^2/NDF: 16.6/16

Left Out: 842.067+/-420.314 χ^2/NDF:29.7/18

Right Out: -377.629+/-938.528 χ^2/NDF: 15.0/18

Left In: -232.600+/-426.143 χ^2/NDF:29.8/17

Left: 312.134+/-299.247 χ^2/NDF: 62.7/36

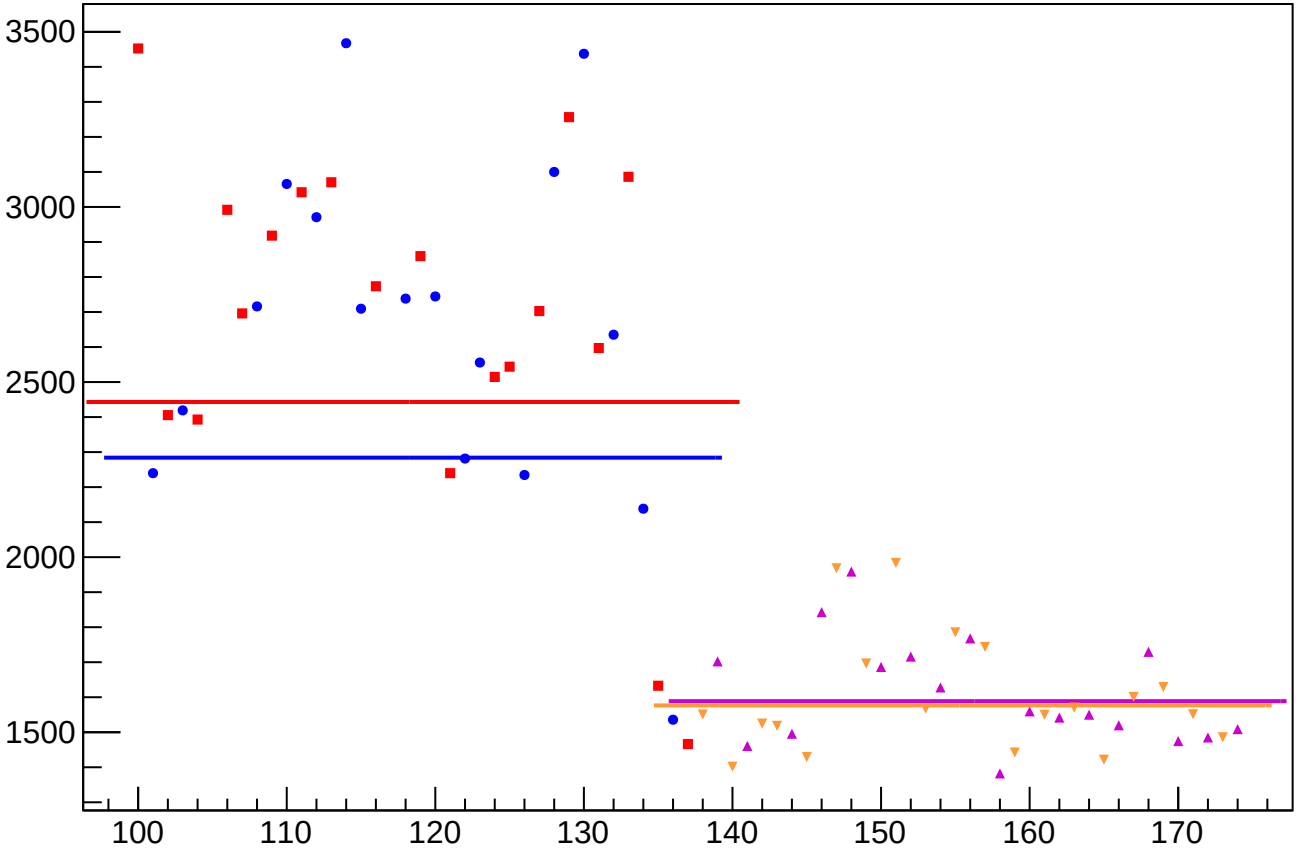
Right: 685.645+/-655.109 χ^2/NDF: 34.1/35

In: 111.241+/-386.291 χ^2/NDF:50.0/34

Out: 638.307+/-383.602 χ^2/NDF:46.1/37

All: 376.615+/-272.194 χ^2/NDF: 97.0/72

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104+/-0.647 χ^2/NDF: 793993.4/16

Left Out: 1576.713+/-0.297 χ^2/NDF:253531.8/18

Right Out: 2443.124+/-0.664 χ^2/NDF: 672899.9/18

Left In: 1588.800+/-0.301 χ^2/NDF:219840.4/17

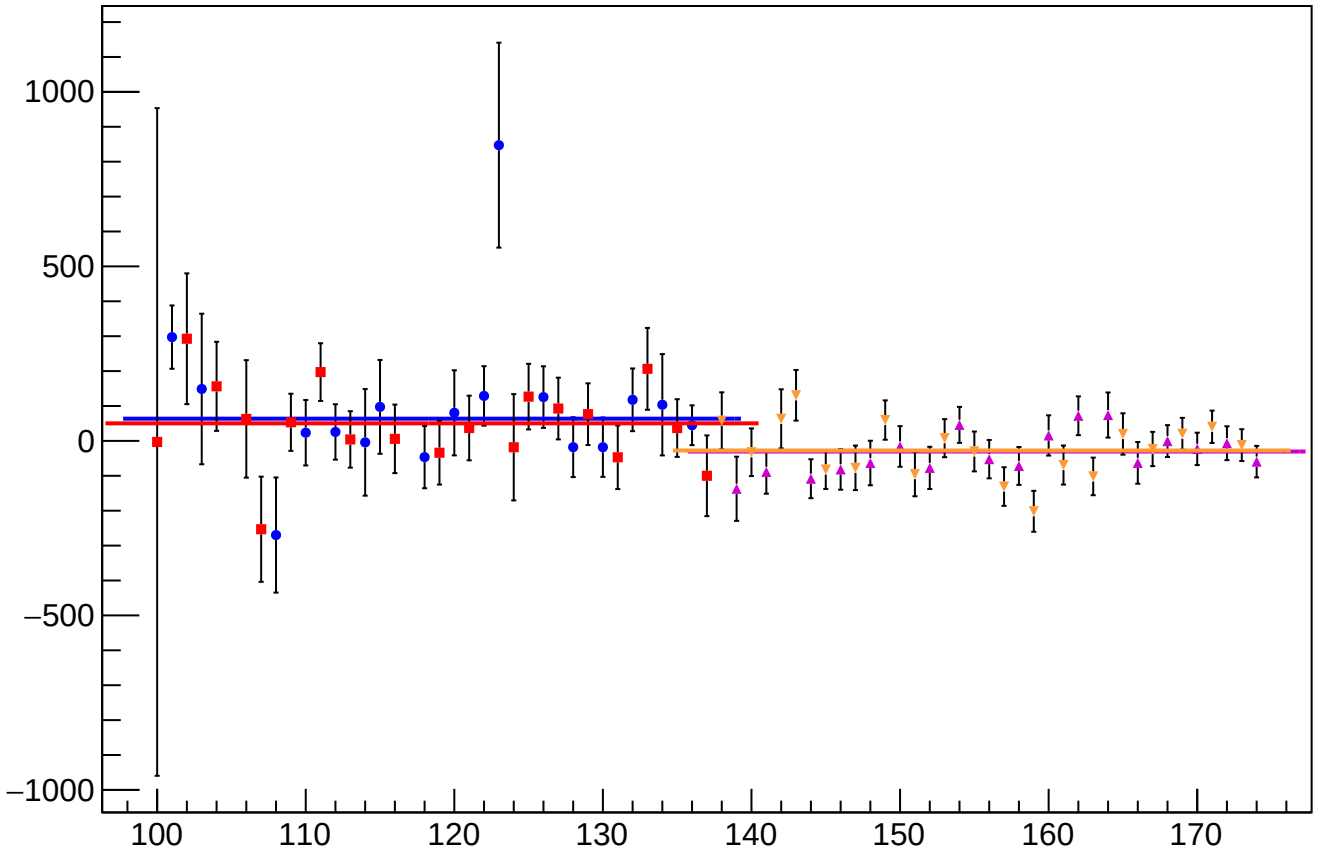
Left: 1582.674+/-0.212 χ^2/NDF: 474187.8/36

Right: 2361.583+/-0.463 χ^2/NDF: 1496334.9/35

In: 1712.766+/-0.273 χ^2/NDF:1963109.7/34

Out: 1721.454+/-0.271 χ^2/NDF:2346135.5/37

All: 1717.140+/-0.192 χ^2/NDF: 4309754.6/72



Right In: 63.666+/-23.743 χ^2/NDF: 23.7/16

Left Out: -27.479+/-13.040 χ^2/NDF:31.3/18

Right Out: 50.278+/-23.661 χ^2/NDF: 16.8/18

Left In: -30.472+/-13.067 χ^2/NDF:16.9/17

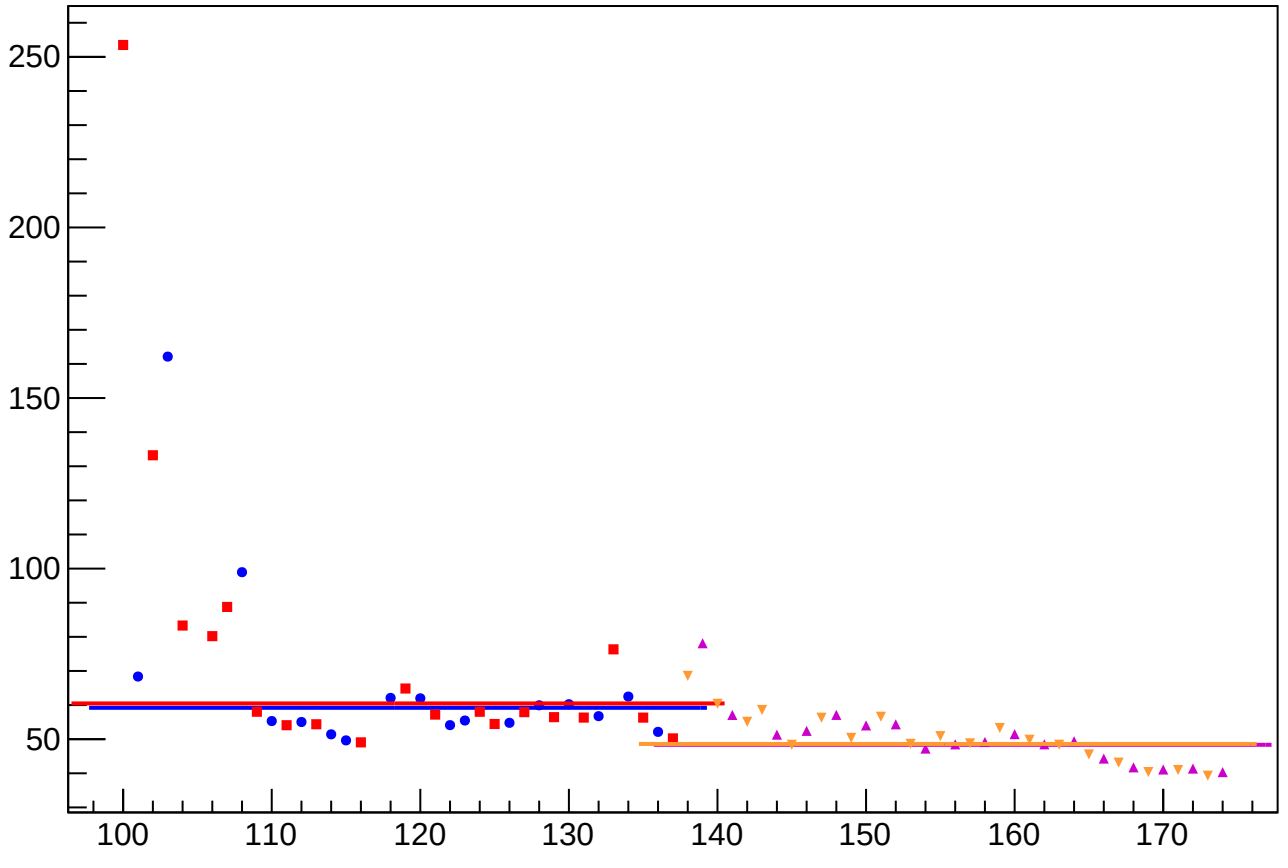
Left: -28.973+/-9.230 χ^2/NDF: 48.2/36

Right: 56.949+/-16.760 χ^2/NDF: 40.6/35

In: -8.587+/-11.448 χ^2/NDF:52.6/34

Out: -9.364+/-11.420 χ^2/NDF:56.4/37

All: -8.976+/-8.085 χ^2/NDF: 109.0/72



Right In: 59.200+/-0.017 χ^2/NDF: 665472.4/16

Left Out: 48.604+/-0.009 χ^2/NDF:541981.0/18

Right Out: 60.483+/-0.017 χ^2/NDF: 680059.5/18

Left In: 48.354+/-0.009 χ^2/NDF:552822.2/17

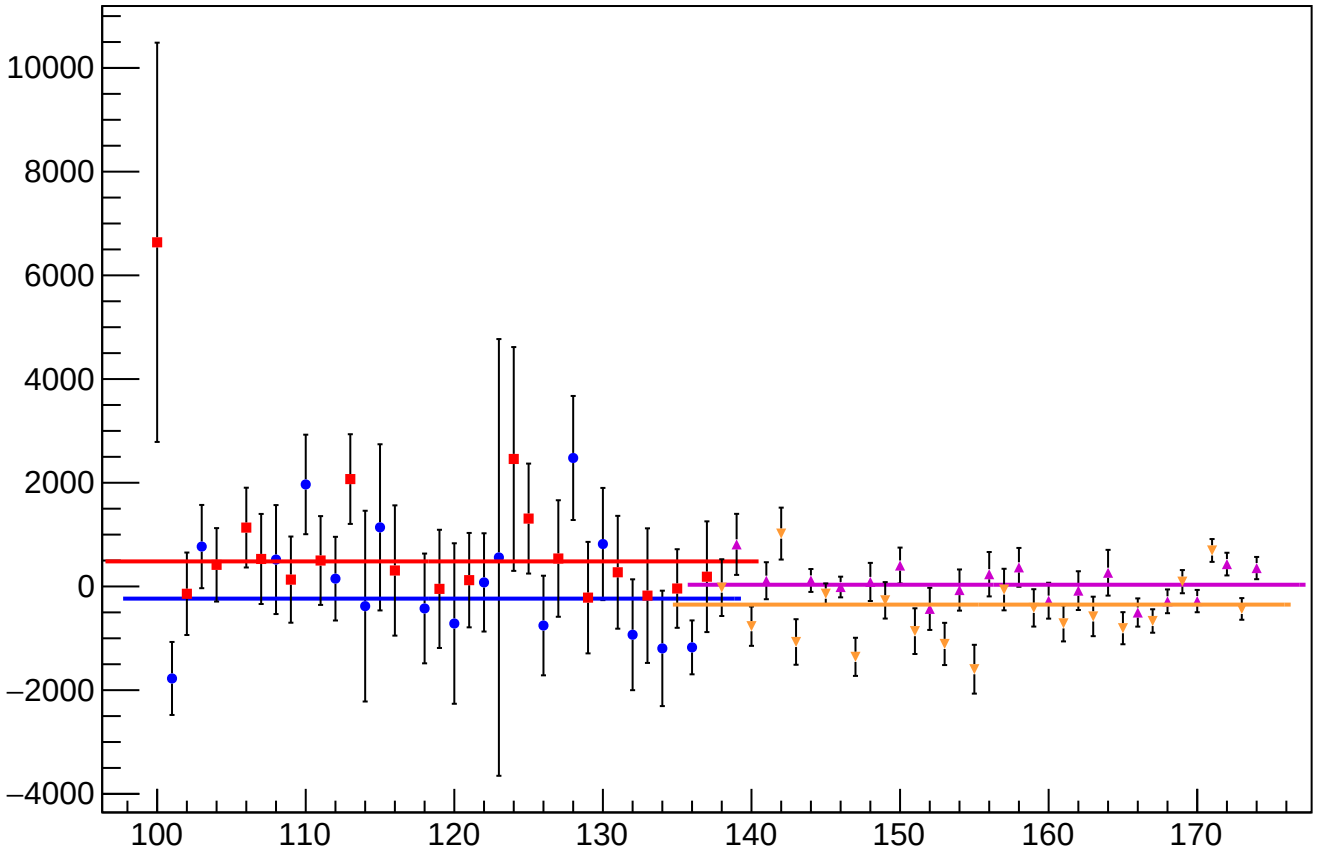
Left: 48.479+/-0.007 χ^2/NDF: 1095168.2/36

Right: 59.844+/-0.012 χ^2/NDF: 1348461.0/35

In: 50.876+/-0.008 χ^2/NDF:1538631.7/34

Out: 51.371+/-0.008 χ^2/NDF:1608729.1/37

All: 51.124+/-0.006 χ^2/NDF: 3149238.1/72



Right In: -234.492+/-233.880 χ^2/NDF: 24.2/16

Left Out: -349.888+/-70.924 χ^2/NDF:64.9/18

Right Out: 483.305+/-222.314 χ^2/NDF: 10.6/18

Left In: 33.104+/-68.270 χ^2/NDF:20.2/17

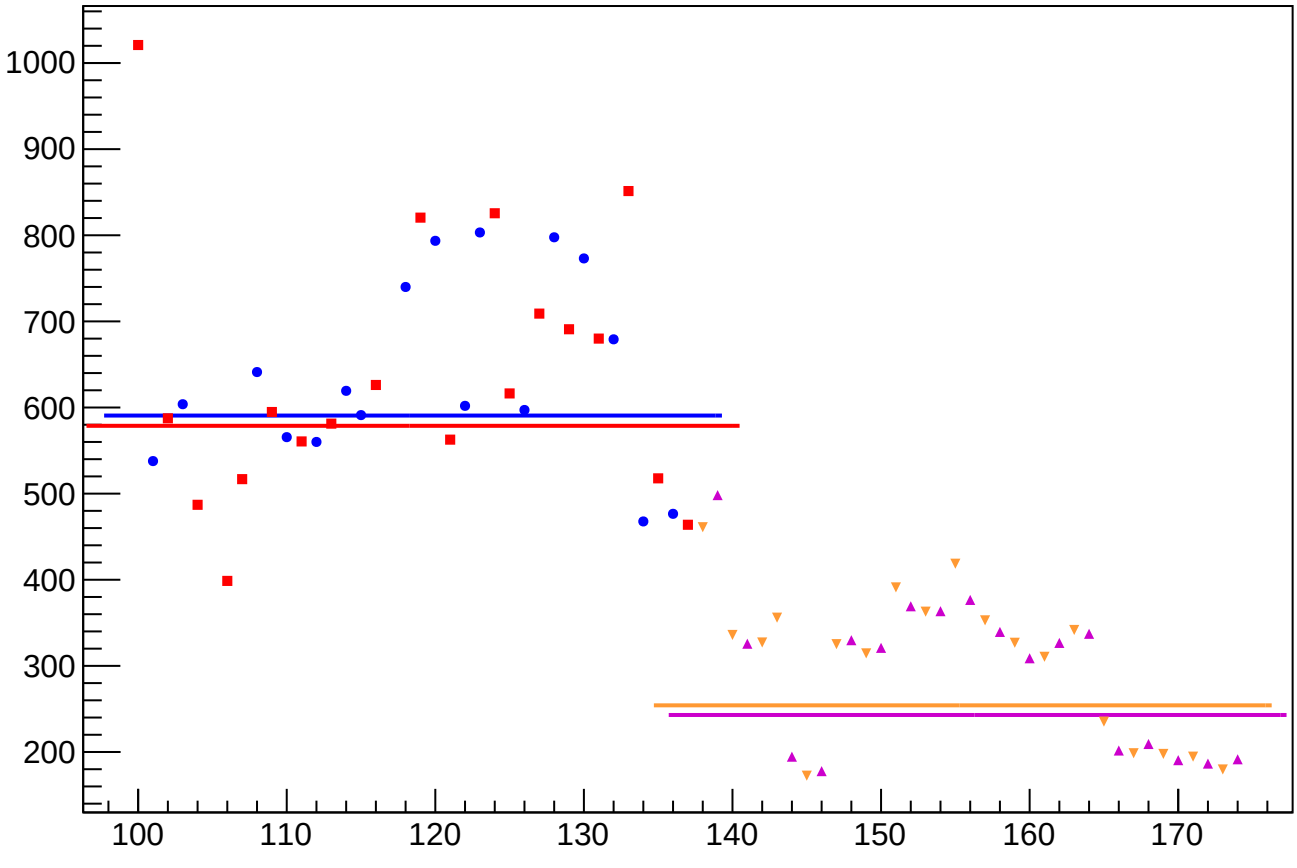
Left: -151.090+/-49.186 χ^2/NDF: 100.3/36

Right: 142.594+/-161.133 χ^2/NDF: 39.7/35

In: 12.094+/-65.535 χ^2/NDF:45.6/34

Out: -272.920+/-67.569 χ^2/NDF:88.2/37

All: -126.058+/-47.043 χ^2/NDF: 143.0/72



Right In: 590.659+/-0.165 χ^2/NDF: 352080.1/16

Left Out: 254.175+/-0.050 χ^2/NDF:2599540.5/18

Right Out: 578.753+/-0.157 χ^2/NDF: 493962.7/18

Left In: 242.977+/-0.048 χ^2/NDF:2432009.7/17

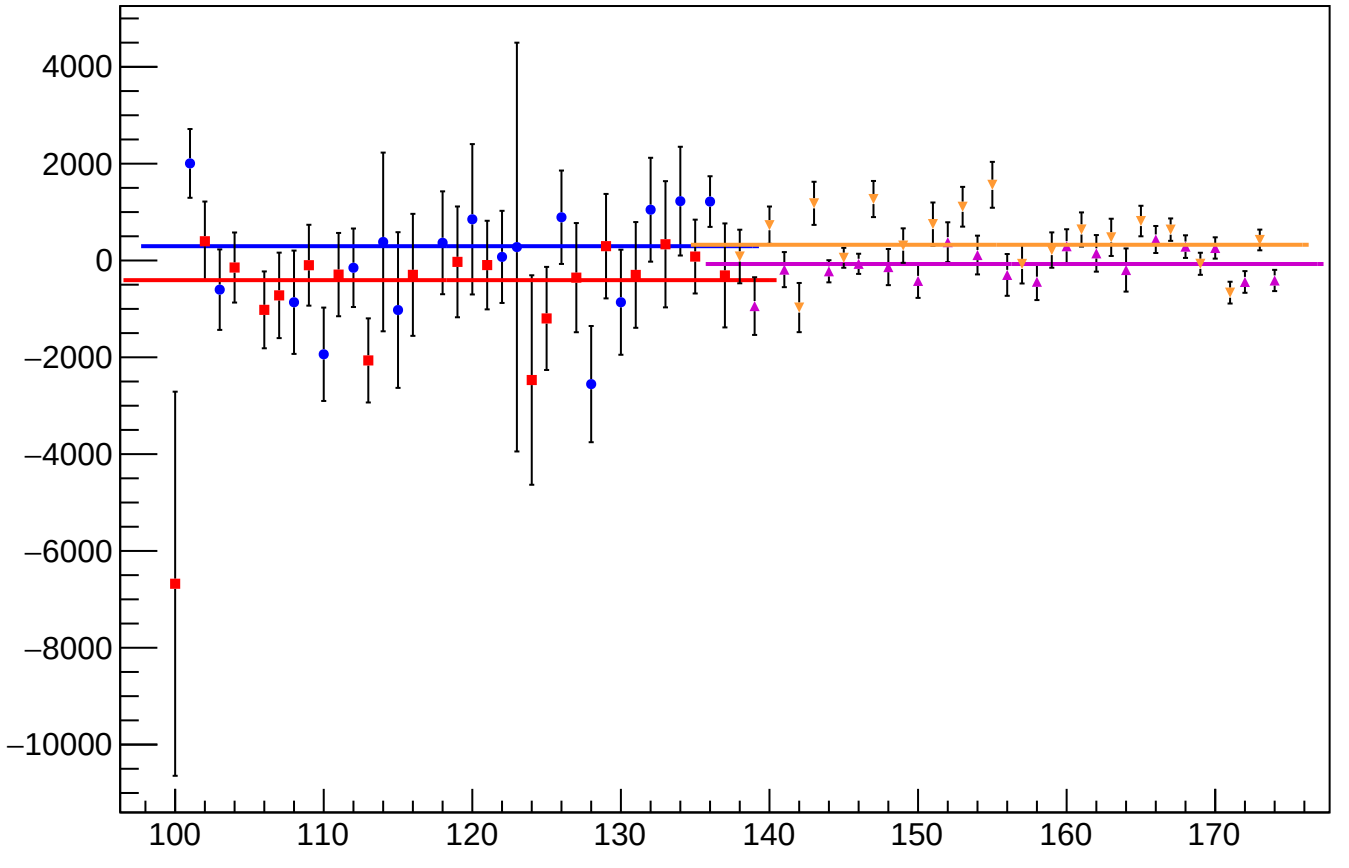
Left: 248.363+/-0.035 χ^2/NDF: 5057426.8/36

Right: 584.404+/-0.114 χ^2/NDF: 848765.8/35

In: 270.276+/-0.046 χ^2/NDF:6856916.2/34

Out: 284.158+/-0.048 χ^2/NDF:6962874.8/37

All: 277.005+/-0.033 χ^2/NDF: 13863294.0/72



Right In: 295.401+/-235.860 χ^2/NDF: 26.1/16

Left Out: 324.713+/-72.365 χ^2/NDF:59.8/18

Right Out: -406.158+/-224.855 χ^2/NDF: 11.0/18

Left In: -72.635+/-69.832 χ^2/NDF:20.9/17

Left: 118.964+/-50.250 χ^2/NDF: 96.3/36

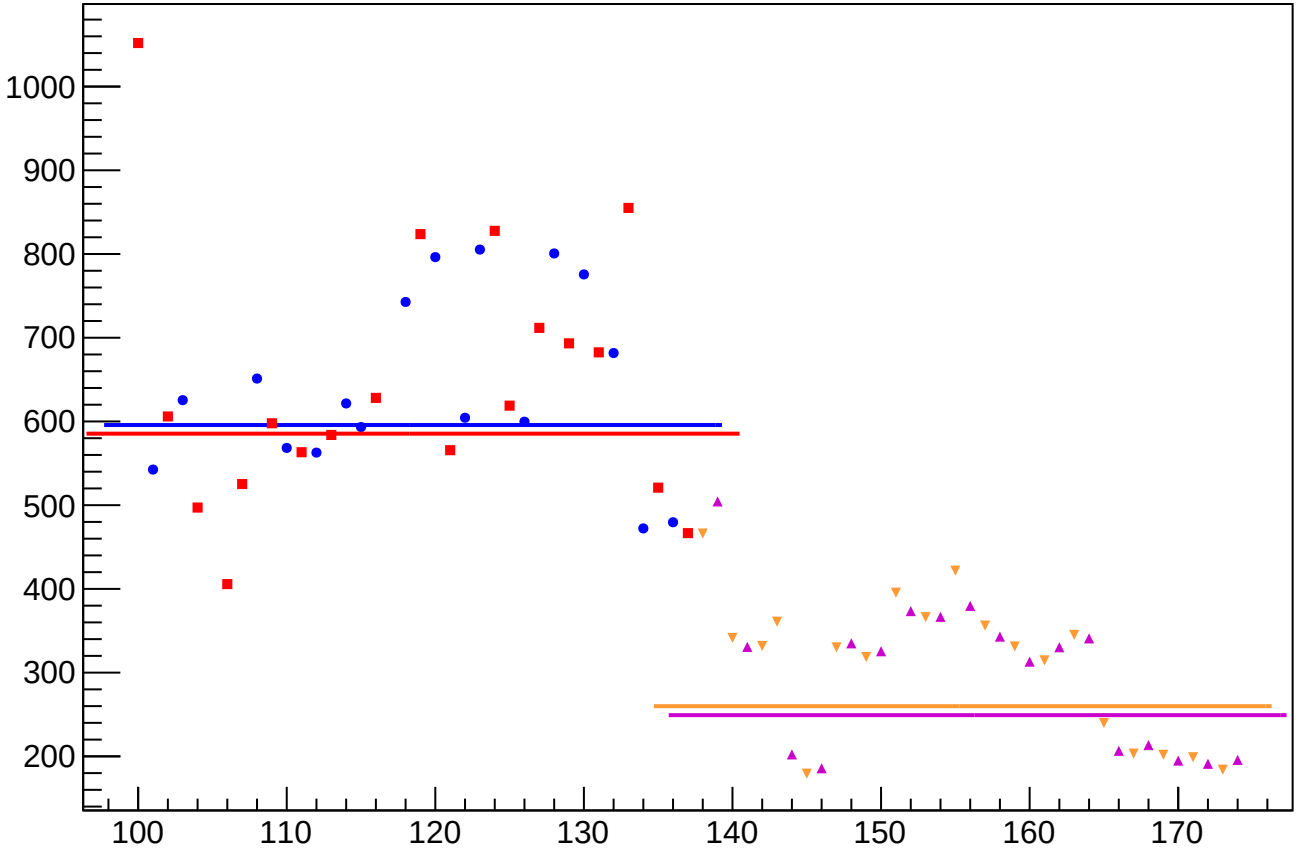
Right: -72.128+/-162.748 χ^2/NDF: 41.7/35

In: -42.973+/-66.959 χ^2/NDF:49.2/34

Out: 256.118+/-68.886 χ^2/NDF:80.3/37

All: 102.332+/-48.014 χ^2/NDF: 139.2/72

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734+/-0.167 χ^2/NDF: 350058.2/16

Left Out: 259.933+/-0.051 χ^2/NDF:2486288.7/18

Right Out: 585.421+/-0.159 χ^2/NDF: 474472.3/18

Left In: 249.215+/-0.049 χ^2/NDF:2309778.6/17

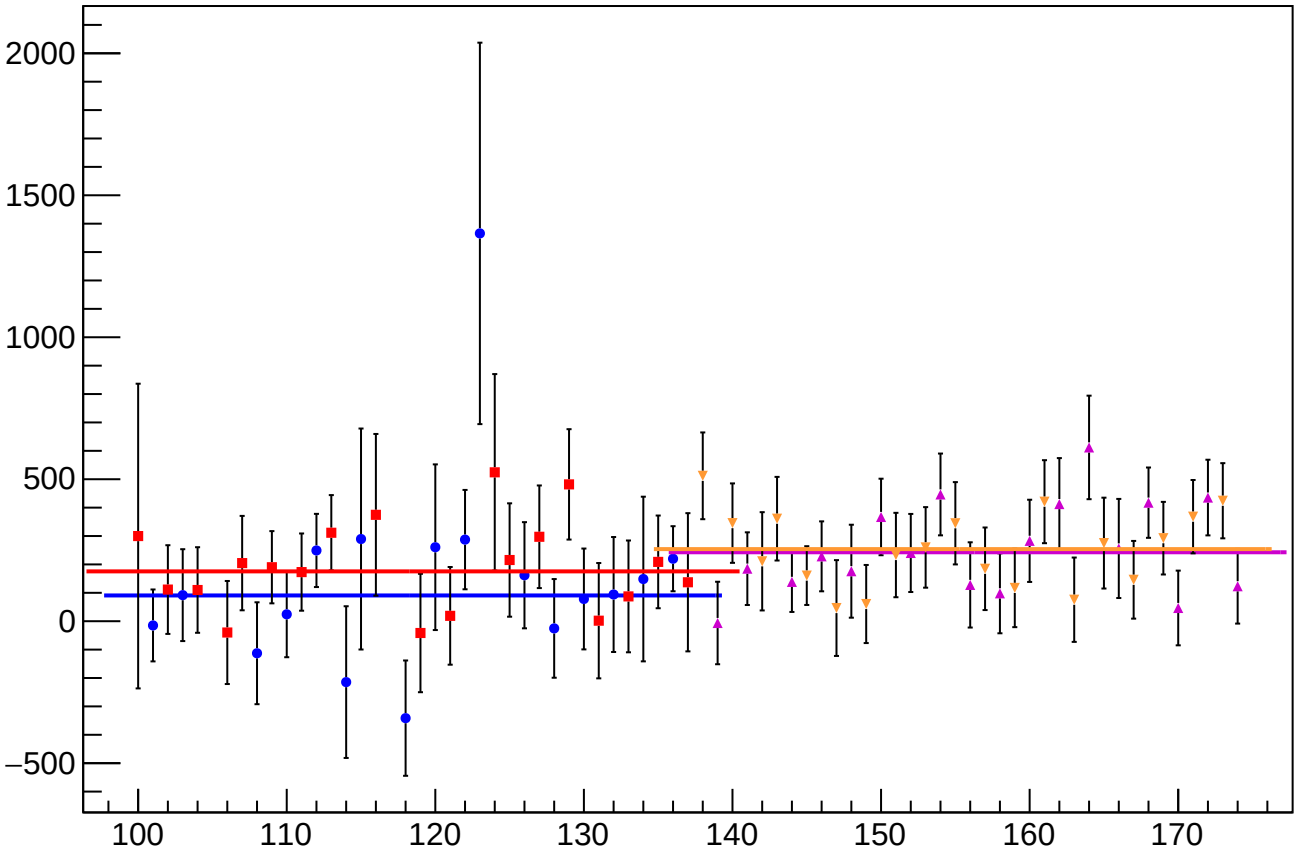
Left: 254.383+/-0.036 χ^2/NDF: 4818784.8/36

Right: 590.331+/-0.115 χ^2/NDF: 826533.5/35

In: 277.142+/-0.047 χ^2/NDF:6628833.8/34

Out: 290.481+/-0.049 χ^2/NDF:6758244.9/37

All: 283.623+/-0.034 χ^2/NDF: 13425635.9/72



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: 242.776+/-32.651 χ^2/NDF:21.2/17

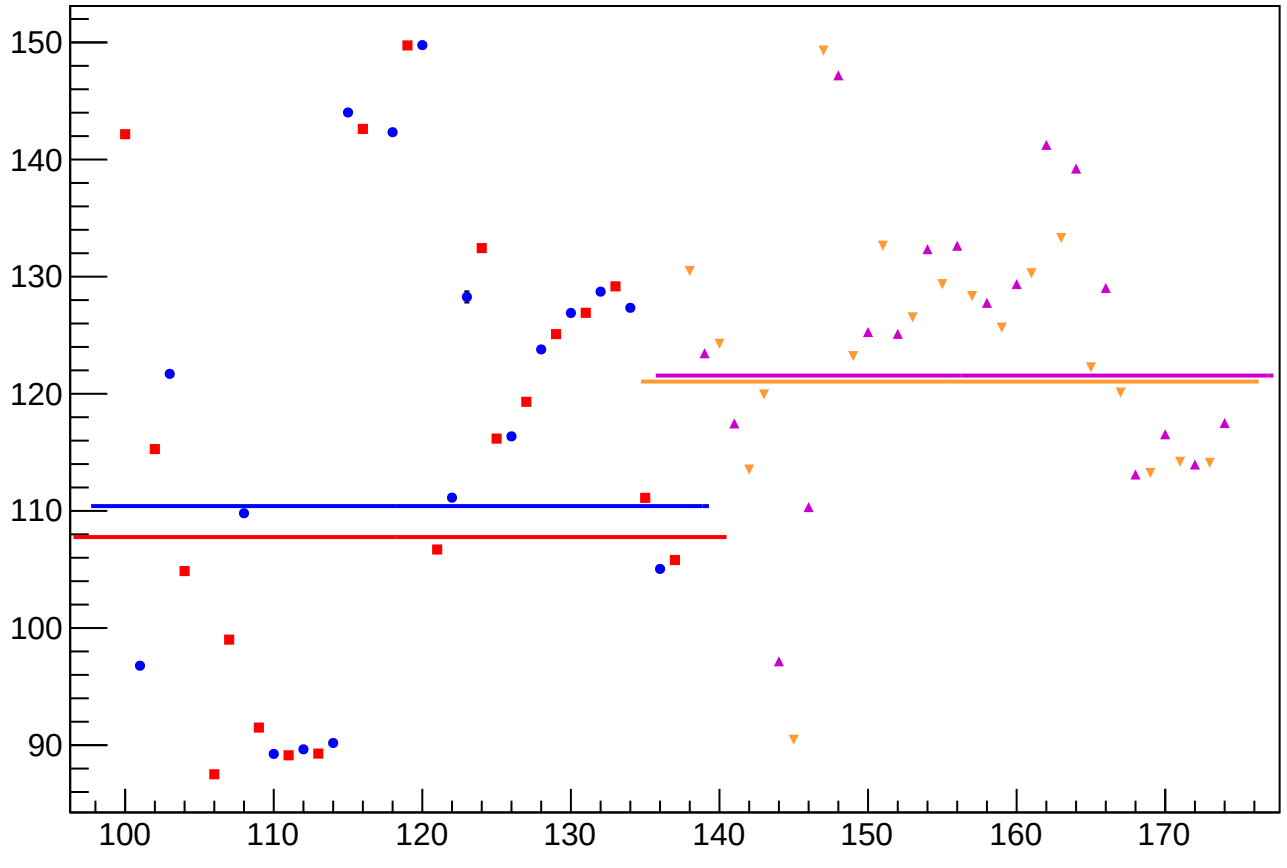
Left: 248.409+/-22.953 χ^2/NDF: 37.0/36

Right: 135.317+/-29.814 χ^2/NDF: 29.2/35

In: 187.672+/-26.073 χ^2/NDF:46.0/34

Out: 223.999+/-25.383 χ^2/NDF:28.3/37

All: 206.322+/-18.188 χ^2/NDF: 75.2/72



Right In: 110.411+/-0.031 χ^2/NDF: 296425.4/16

Left Out: 121.043+/-0.023 χ^2/NDF:313372.2/18

Right Out: 107.768+/-0.029 χ^2/NDF: 344441.4/18

Left In: 121.556+/-0.023 χ^2/NDF:281692.6/17

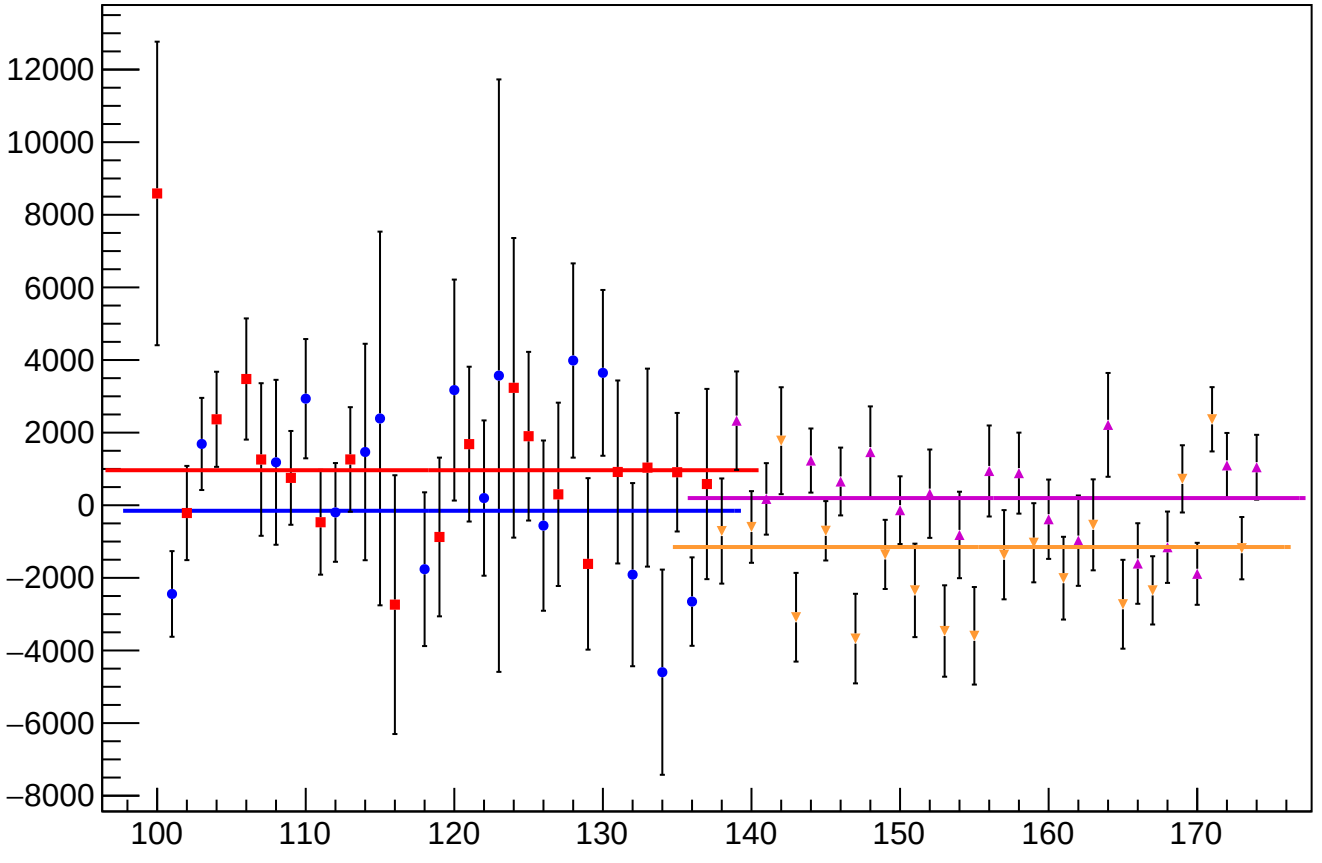
Left: 121.296+/-0.016 χ^2/NDF: 595314.4/36

Right: 109.020+/-0.021 χ^2/NDF: 644787.1/35

In: 117.517+/-0.018 χ^2/NDF:662549.1/34

Out: 115.980+/-0.018 χ^2/NDF:786881.5/37

All: 116.728+/-0.013 χ^2/NDF: 1453002.3/72



Right In: -152.403+/-464.753 χ^2/NDF: 24.7/16

Left Out: -1150.676+/-248.552 χ^2/NDF:43.0/18

Right Out: 964.716+/-435.111 χ^2/NDF: 12.3/18

Left In: 197.547+/-247.631 χ^2/NDF:22.3/17

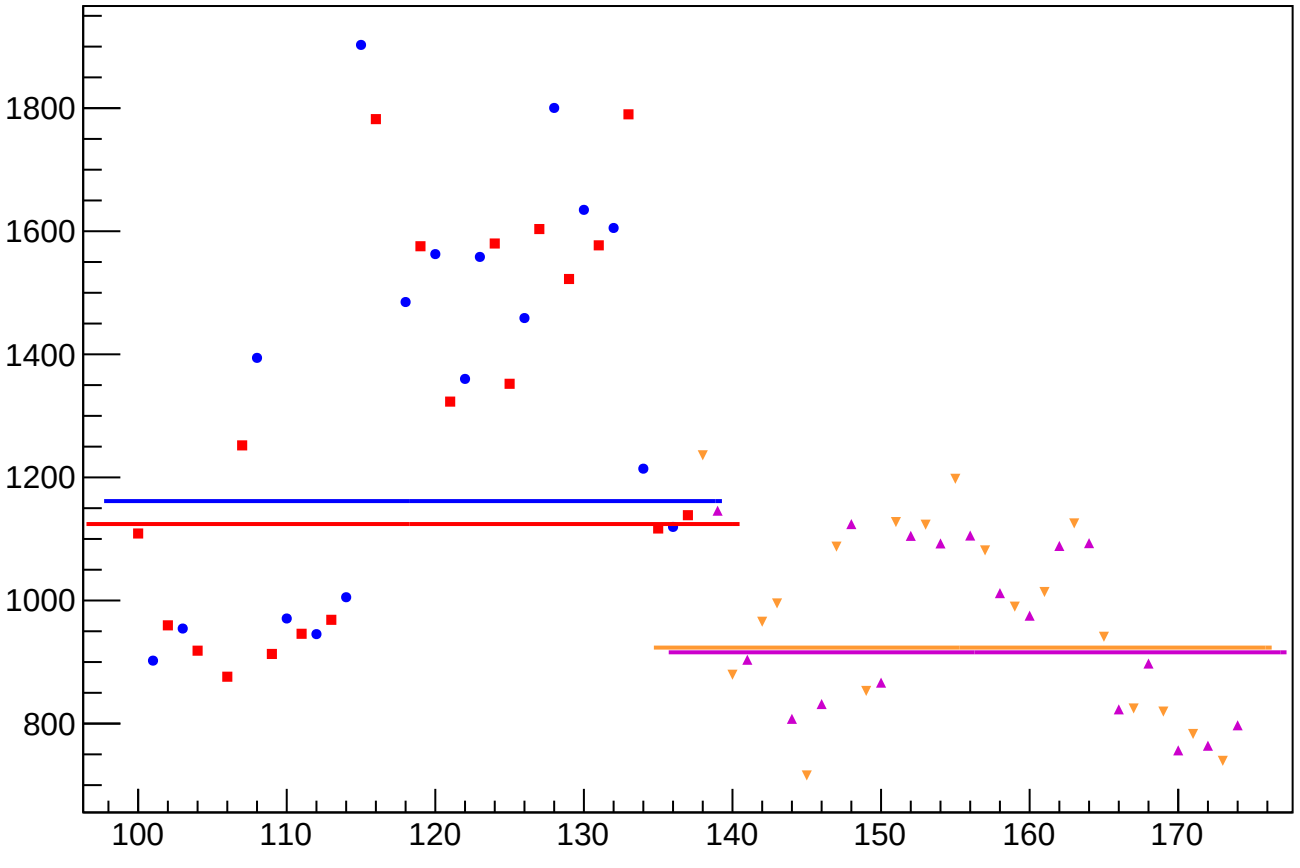
Left: -474.062+/-175.426 χ^2/NDF: 80.0/36

Right: 442.914+/-317.632 χ^2/NDF: 40.0/35

In: 120.165+/-218.544 χ^2/NDF:47.4/34

Out: -630.227+/-215.821 χ^2/NDF:73.1/37

All: -259.734+/-153.562 χ^2/NDF: 126.4/72



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: 915.808+/-0.175 χ^2/NDF:570296.8/17

Left: 919.632+/-0.124 χ^2/NDF: 1330957.6/36

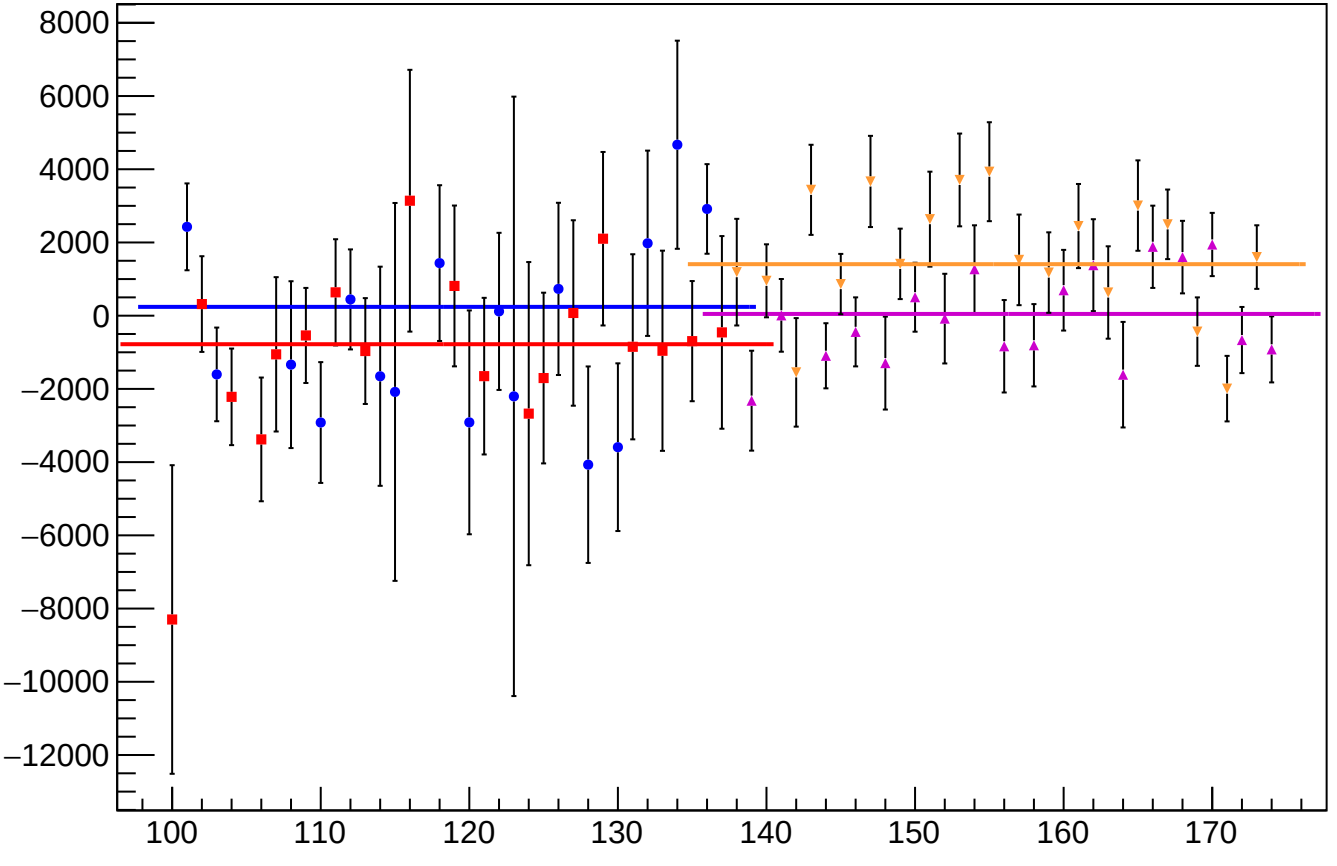
Right: 1141.655+/-0.225 χ^2/NDF: 1470560.5/35

In: 970.143+/-0.155 χ^2/NDF:1701660.1/34

Out: 972.875+/-0.153 χ^2/NDF:1848484.9/37

All: 971.526+/-0.109 χ^2/NDF: 3550303.3/72

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732+/-467.036 χ^2/NDF: 24.8/16

Left Out: 1407.015+/-250.771 χ^2/NDF:40.9/18

Right Out: -779.192+/-437.487 χ^2/NDF: 12.3/18

Left In: 47.756+/-249.899 χ^2/NDF:22.9/17

Left: 725.019+/-177.013 χ^2/NDF: 78.6/36

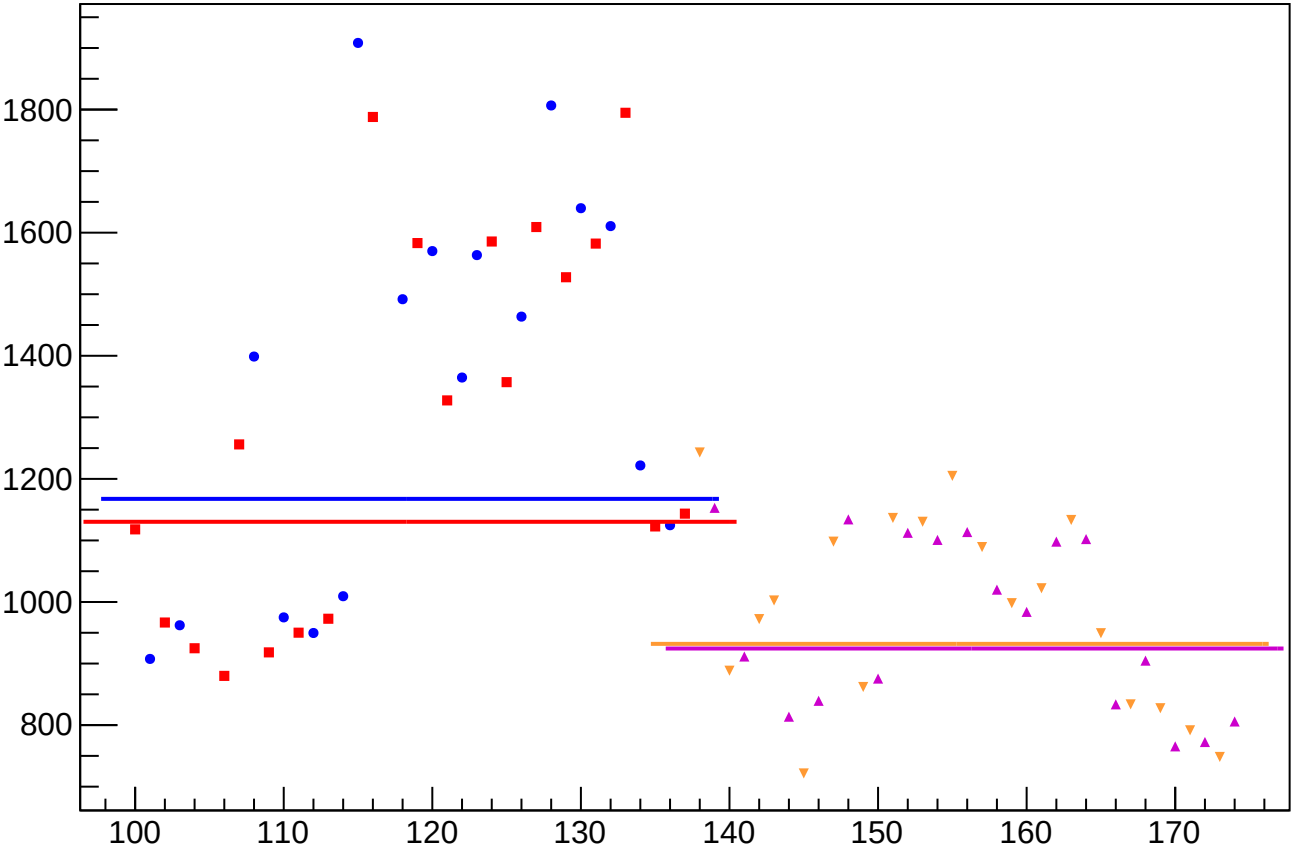
Right: -302.513+/-319.286 χ^2/NDF: 39.7/35

In: 90.709+/-220.340 χ^2/NDF:47.9/34

Out: 866.346+/-217.563 χ^2/NDF:72.1/37

All: 483.445+/-154.813 χ^2/NDF: 126.2/72

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539+/-0.330 χ^2/NDF: 690485.6/16

Left Out: 931.983+/-0.177 χ^2/NDF:748253.3/18

Right Out: 1130.301+/-0.309 χ^2/NDF: 761503.6/18

Left In: 924.410+/-0.177 χ^2/NDF:560651.5/17

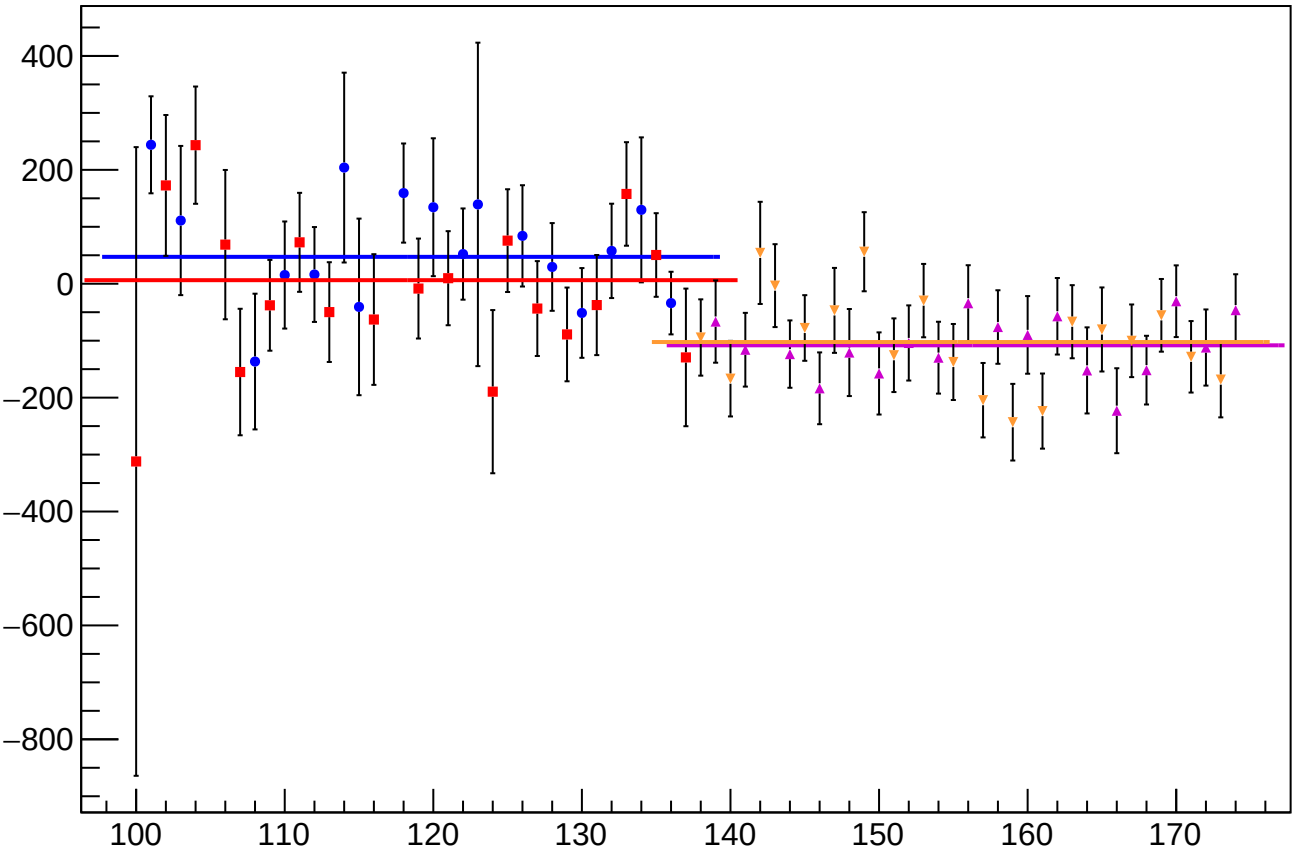
Left: 928.183+/-0.125 χ^2/NDF: 1309819.8/36

Right: 1147.705+/-0.226 χ^2/NDF: 1458761.3/35

In: 978.526+/-0.156 χ^2/NDF:1672500.2/34

Out: 981.029+/-0.154 χ^2/NDF:1819100.2/37

All: 979.793+/-0.109 χ^2/NDF: 3491731.1/72



Right In: 47.220+/-22.565 χ^2/NDF: 16.1/16

Left Out: -102.351+/-15.360 χ^2/NDF:25.8/18

Right Out: 6.246+/-22.128 χ^2/NDF: 20.3/18

Left In: -108.129+/-15.675 χ^2/NDF:10.3/17

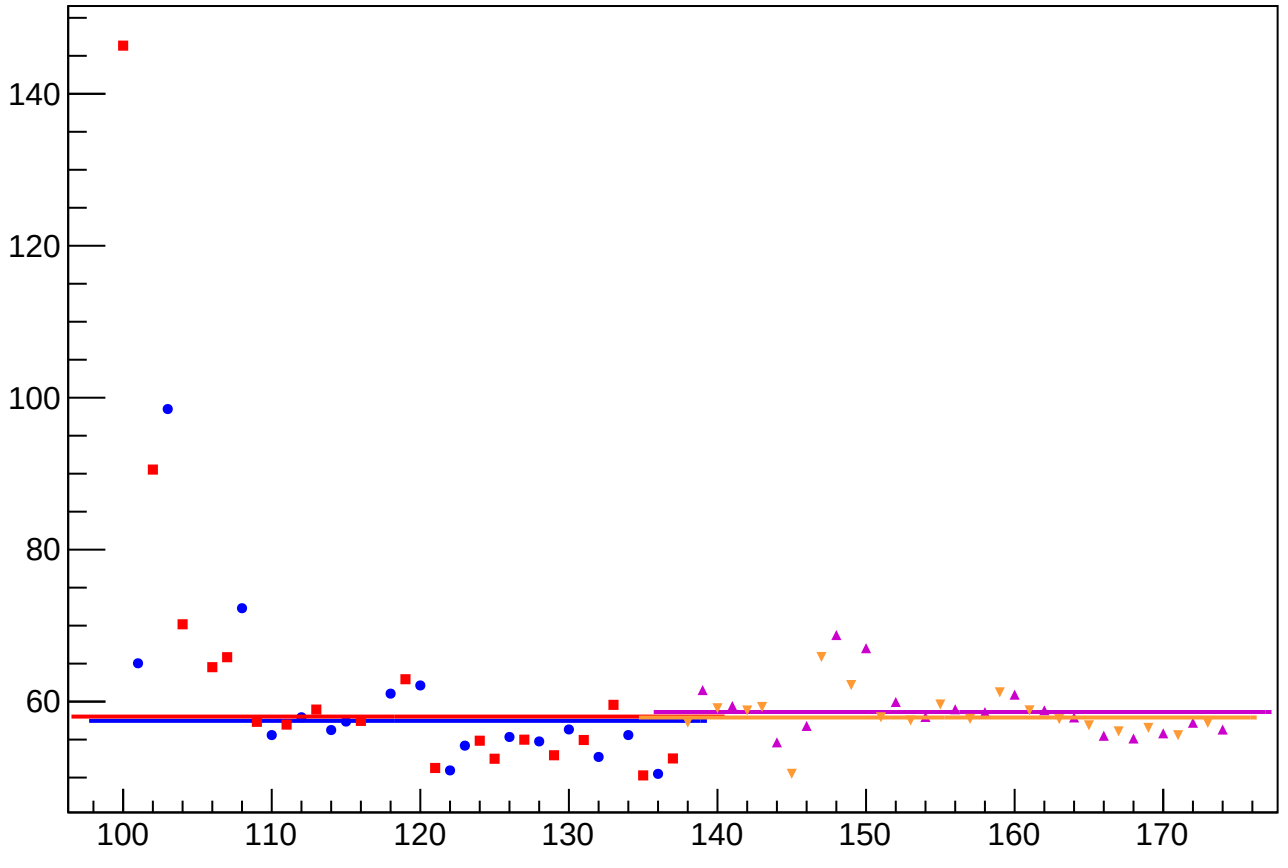
Left: -105.181+/-10.971 χ^2/NDF: 36.1/36

Right: 26.333+/-15.799 χ^2/NDF: 38.1/35

In: -57.565+/-12.873 χ^2/NDF:58.4/34

Out: -67.038+/-12.618 χ^2/NDF:62.3/37

All: -62.397+/-9.011 χ^2/NDF: 121.0/72



Right In: 57.465+/-0.016 χ^2/NDF: 307156.4/16

Left Out: 57.907+/-0.011 χ^2/NDF:77837.2/18

Right Out: 58.027+/-0.016 χ^2/NDF: 300788.2/18

Left In: 58.630+/-0.011 χ^2/NDF:97779.2/17

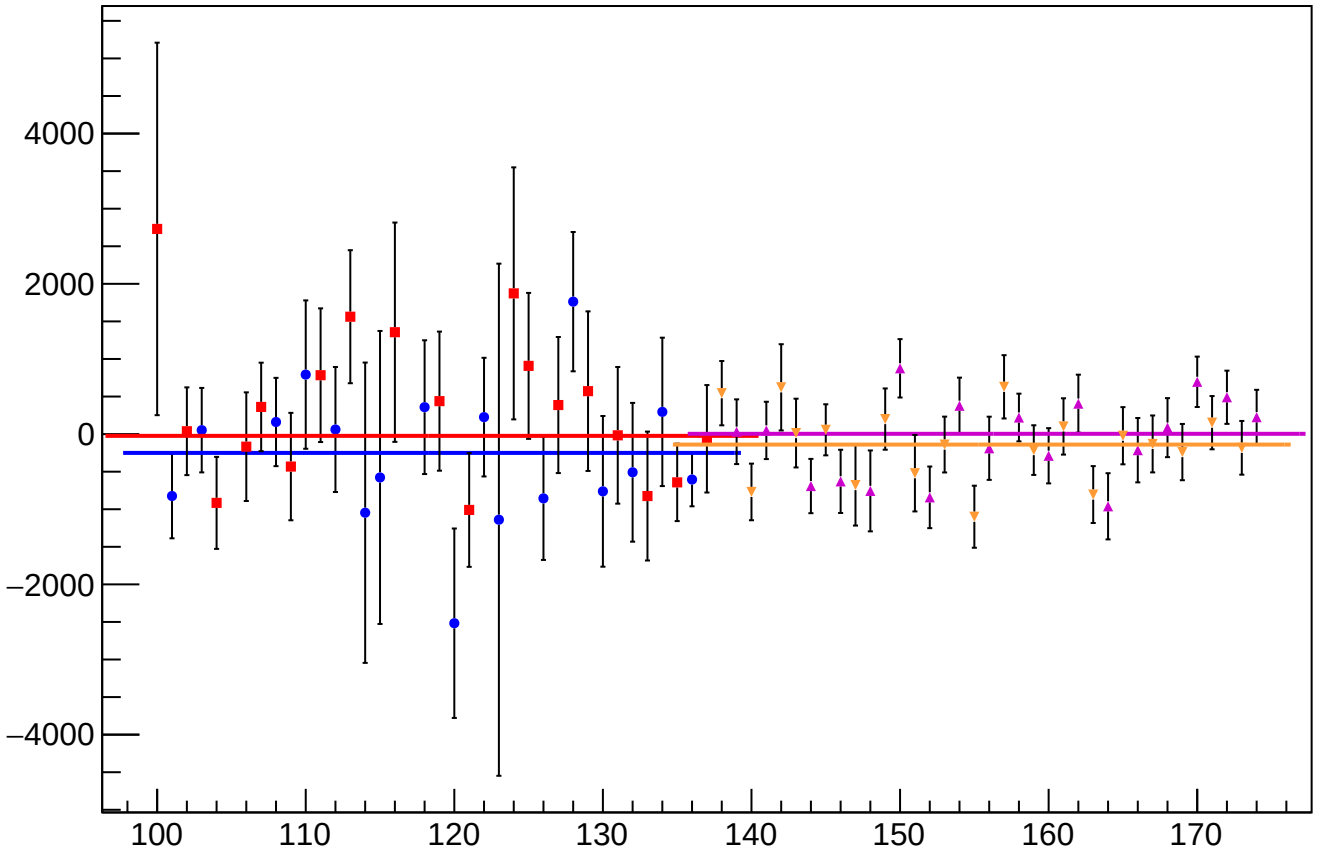
Left: 58.261+/-0.008 χ^2/NDF: 177791.1/36

Right: 57.752+/-0.011 χ^2/NDF: 608576.3/35

In: 58.251+/-0.009 χ^2/NDF:408532.1/34

Out: 57.946+/-0.009 χ^2/NDF:378665.2/37

All: 58.096+/-0.006 χ^2/NDF: 787771.2/72



Right In: -250.140+/-184.092 χ^2/NDF: 14.3/16

Left Out: -139.277+/-90.870 χ^2/NDF:23.0/18

Right Out: -23.314+/-181.834 χ^2/NDF: 16.1/18

Left In: 3.951+/-91.330 χ^2/NDF:32.3/17

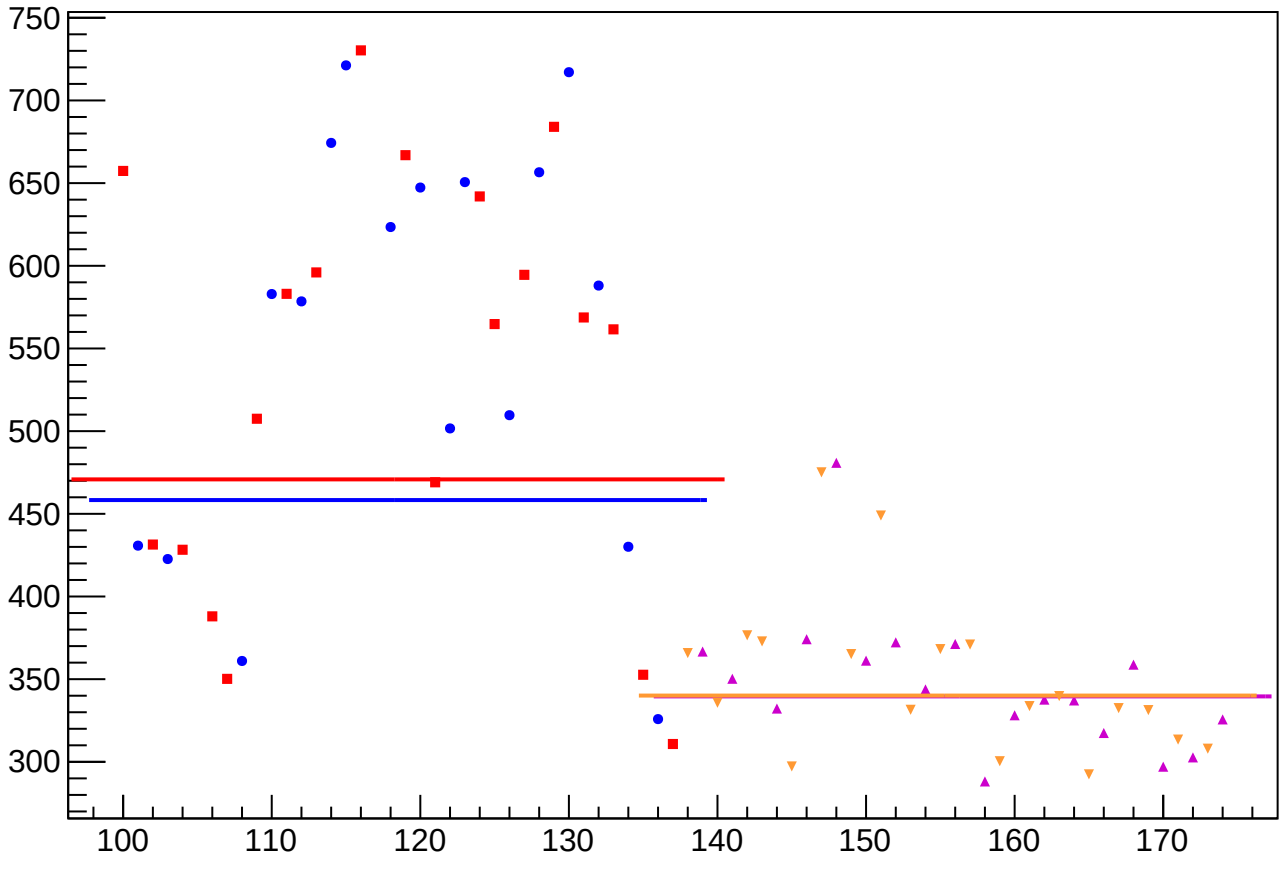
Left: -68.024+/-64.417 χ^2/NDF: 56.5/36

Right: -135.327+/-129.367 χ^2/NDF: 31.1/35

In: -46.235+/-81.815 χ^2/NDF:48.1/34

Out: -116.103+/-81.285 χ^2/NDF:39.4/37

All: -81.396+/-57.664 χ^2/NDF: 87.8/72



Right In: 458.324+/-0.130 χ^2/NDF: 877201.7/16

Left Out: 340.084+/-0.064 χ^2/NDF:393658.1/18

Right Out: 470.827+/-0.129 χ^2/NDF: 778635.2/18

Left In: 339.586+/-0.065 χ^2/NDF:313452.3/17

Left: 339.836+/-0.046 χ^2/NDF: 707140.2/36

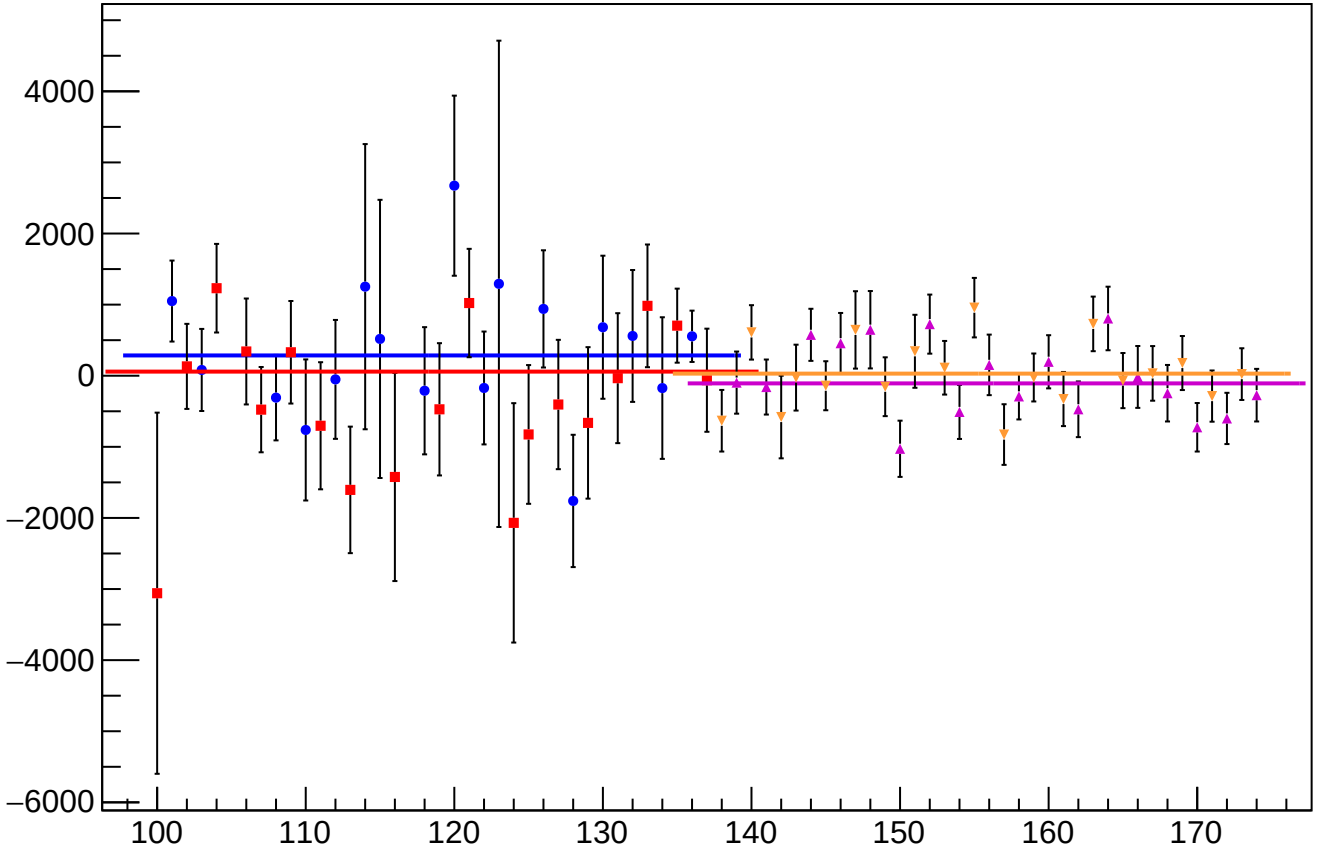
Right: 464.653+/-0.091 χ^2/NDF: 1660506.8/35

In: 363.038+/-0.058 χ^2/NDF:1858352.1/34

Out: 366.211+/-0.057 χ^2/NDF:1999661.4/37

All: 364.635+/-0.041 χ^2/NDF: 3859527.0/72

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349+/-186.262 χ^2/NDF: 15.2/16

Left Out: 29.598+/-92.227 χ^2/NDF:22.1/18

Right Out: 58.001+/-184.074 χ^2/NDF: 19.2/18

Left In: -107.728+/-92.722 χ^2/NDF:29.6/17

Left: -38.697+/-65.389 χ^2/NDF: 52.8/36

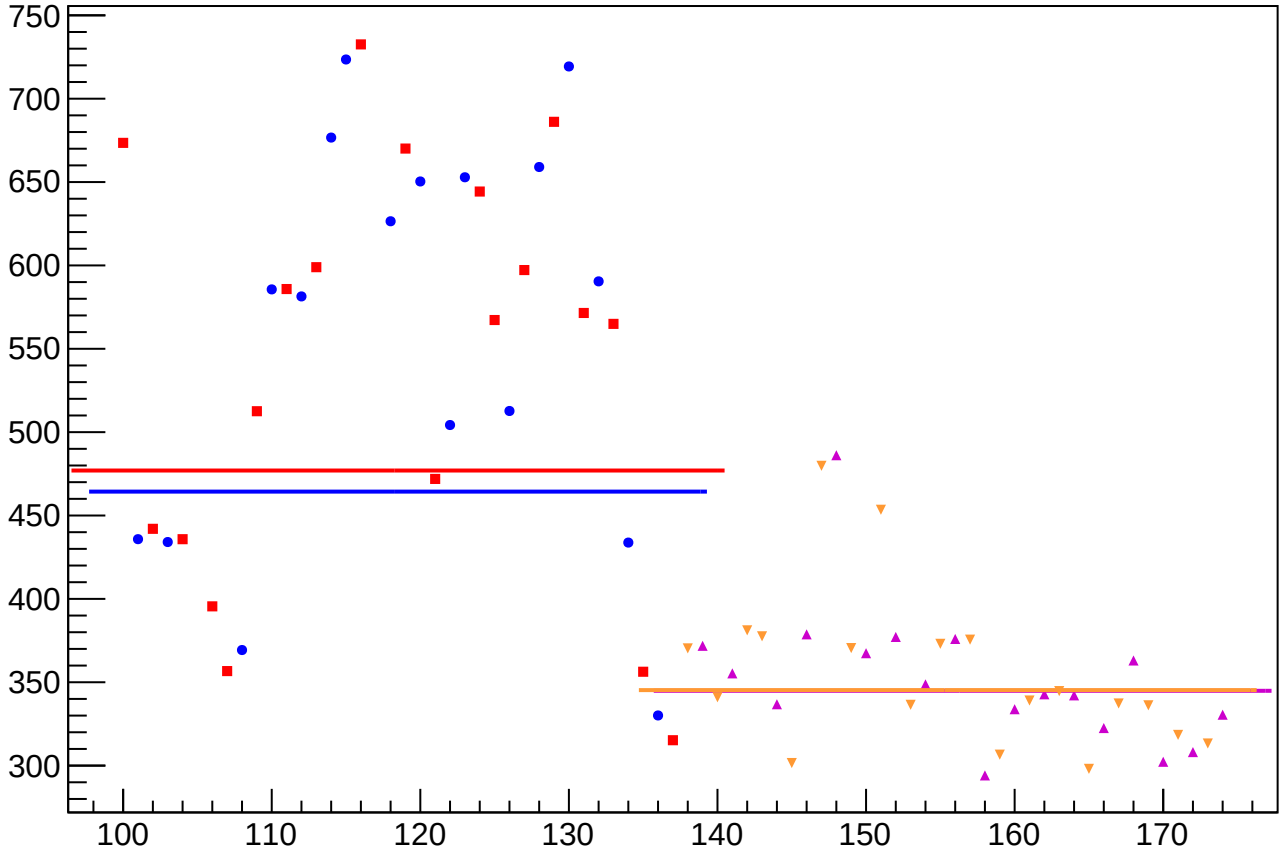
Right: 170.332+/-130.927 χ^2/NDF: 35.1/35

In: -29.664+/-83.006 χ^2/NDF:48.4/34

Out: 35.298+/-82.456 χ^2/NDF:41.3/37

All: 3.033+/-58.499 χ^2/NDF: 90.0/72

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341+/-0.132 χ^2/NDF: 845900.9/16

Left Out: 345.280+/-0.065 χ^2/NDF:380085.9/18

Right Out: 476.989+/-0.130 χ^2/NDF: 749331.1/18

Left In: 344.866+/-0.066 χ^2/NDF:302336.6/17

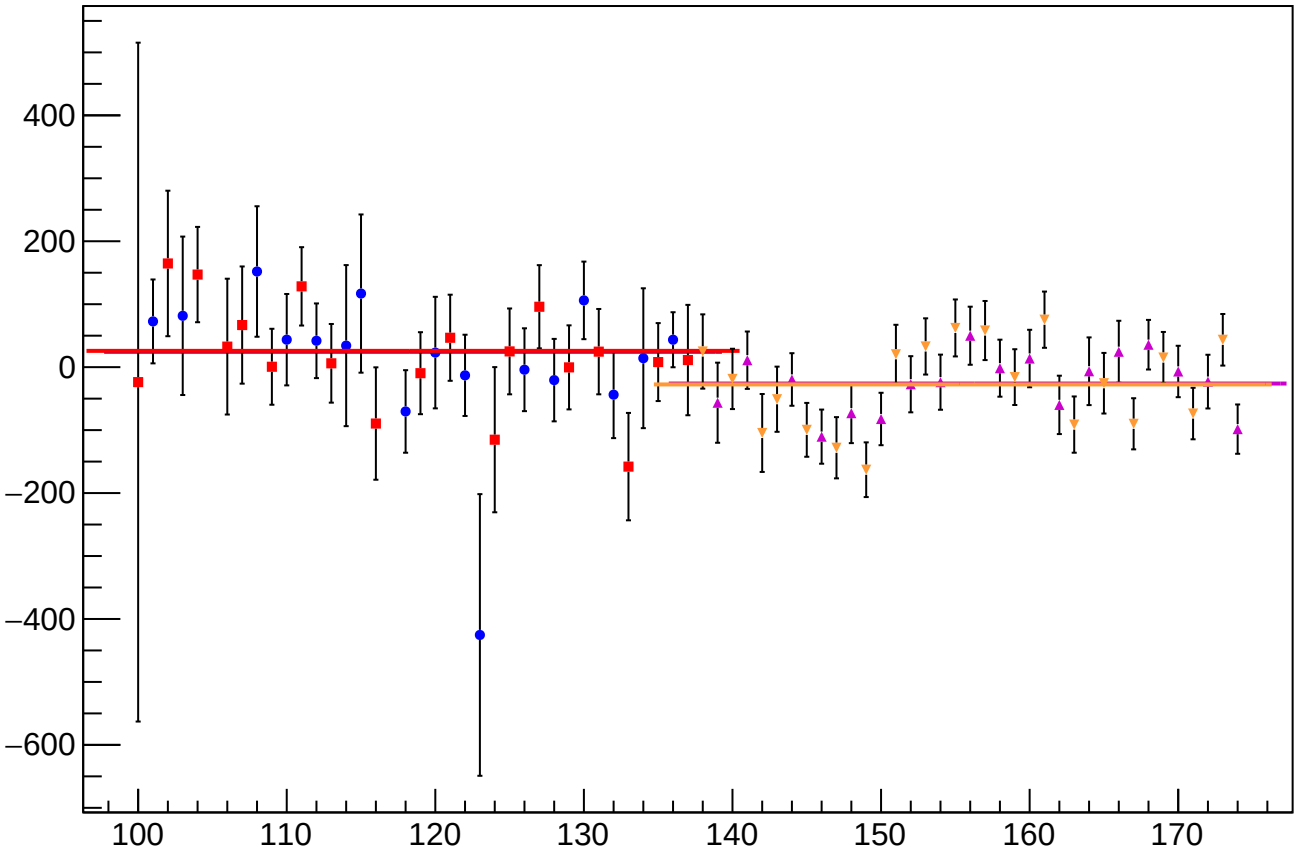
Left: 345.074+/-0.046 χ^2/NDF: 682442.6/36

Right: 470.740+/-0.093 χ^2/NDF: 1599897.5/35

In: 368.593+/-0.059 χ^2/NDF:1807692.1/34

Out: 371.709+/-0.058 χ^2/NDF:1947894.9/37

All: 370.162+/-0.041 χ^2/NDF: 3757005.1/72



Right In: 24.584+/-17.839 χ^2/NDF: 13.0/16

Left Out: -27.452+/-10.481 χ^2/NDF:44.7/18

Right Out: 25.884+/-17.386 χ^2/NDF: 16.8/18

Left In: -26.034+/-10.545 χ^2/NDF:19.2/17

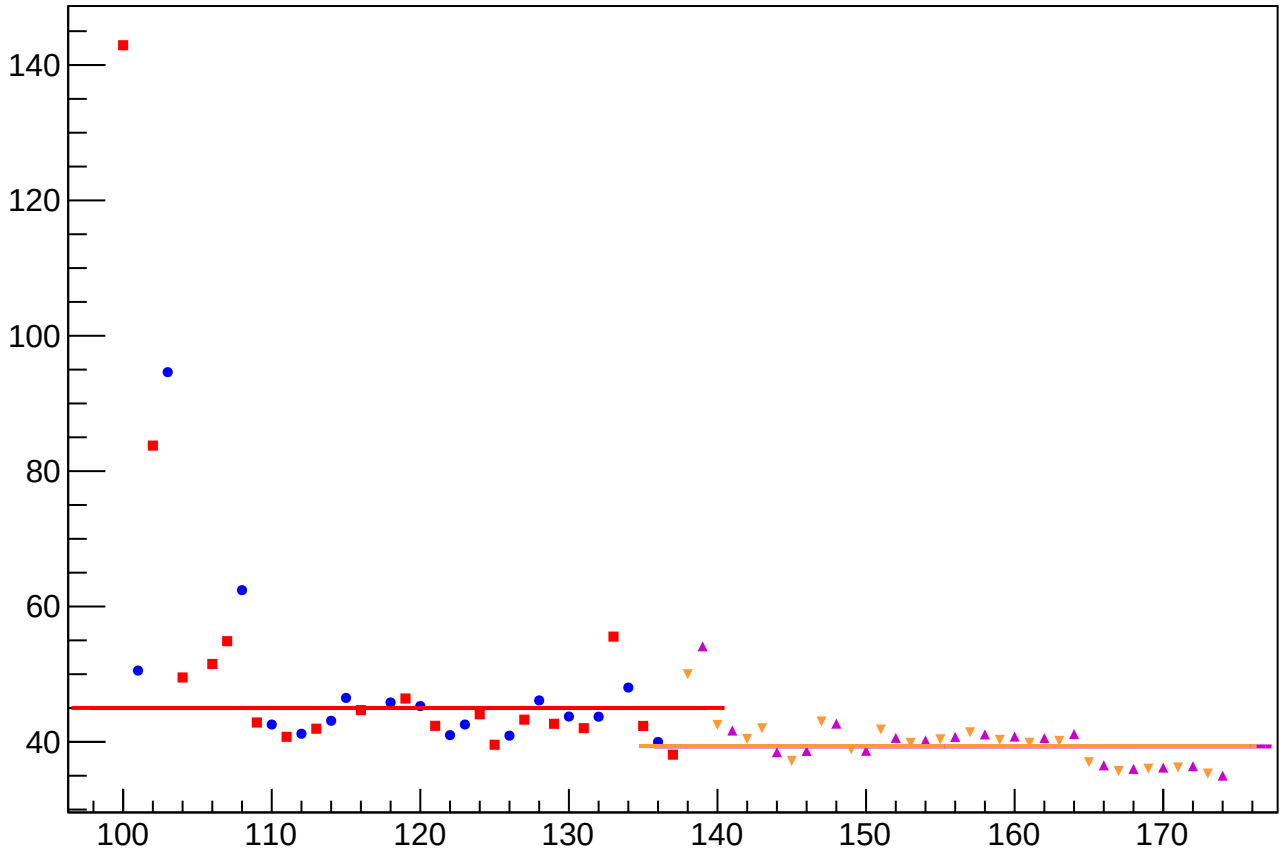
Left: -26.748+/-7.434 χ^2/NDF: 63.9/36

Right: 25.251+/-12.451 χ^2/NDF: 29.8/35

In: -12.928+/-9.077 χ^2/NDF:38.1/34

Out: -13.236+/-8.976 χ^2/NDF:68.4/37

All: -13.083+/-6.383 χ^2/NDF: 106.5/72



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: 39.330+/-0.007 χ^2/NDF:204280.4/17

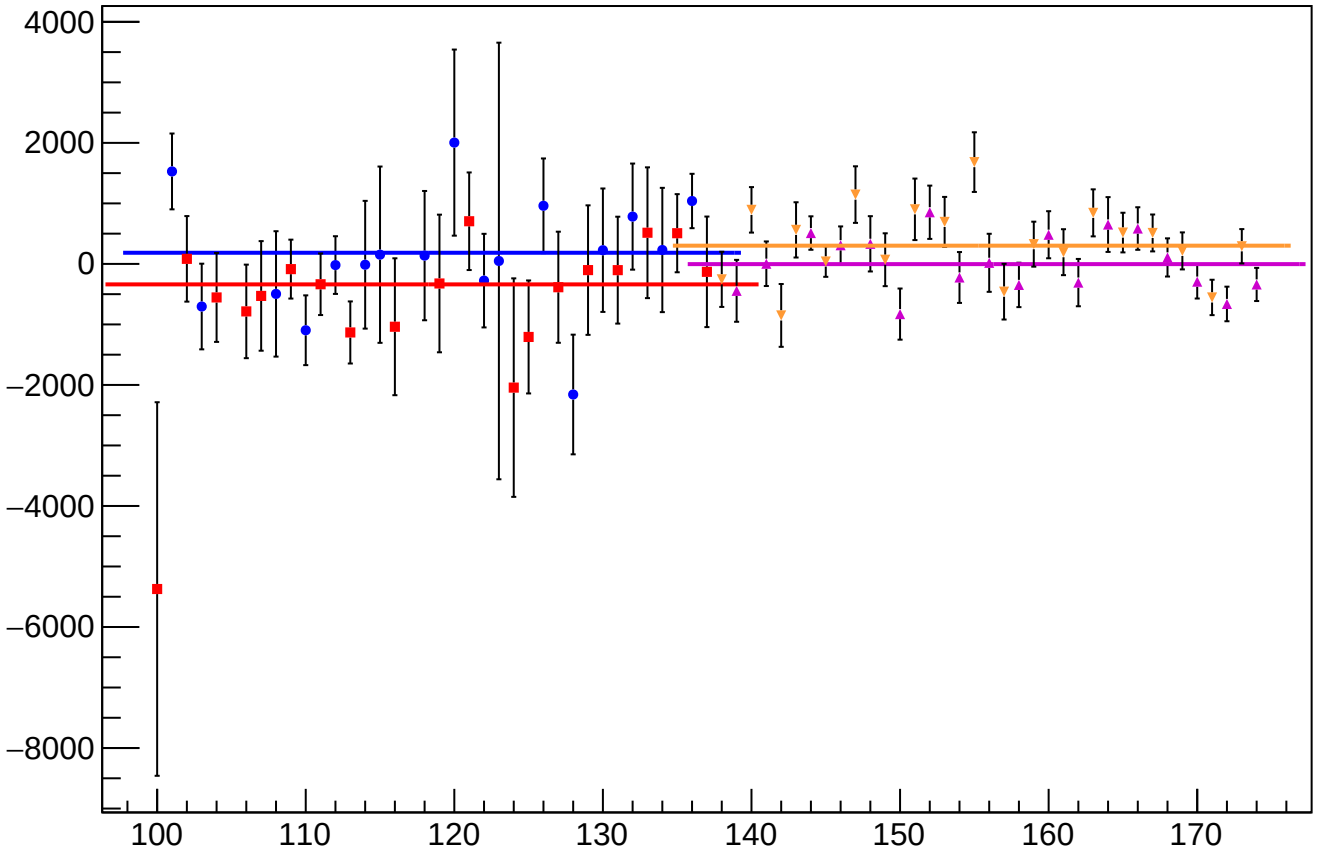
Left: 39.357+/-0.005 χ^2/NDF: 378311.0/36

Right: 45.009+/-0.009 χ^2/NDF: 853862.6/35

In: 40.798+/-0.006 χ^2/NDF:792427.3/34

Out: 40.885+/-0.006 χ^2/NDF:743569.8/37

All: 40.842+/-0.005 χ^2/NDF: 1536088.3/72



Right In: 184.184+/-188.558 χ^2/NDF: 24.2/16

Left Out: 301.446+/-84.494 χ^2/NDF:38.3/18

Right Out: -338.329+/-179.381 χ^2/NDF: 12.5/18

Left In: -3.533+/-83.865 χ^2/NDF:29.6/17

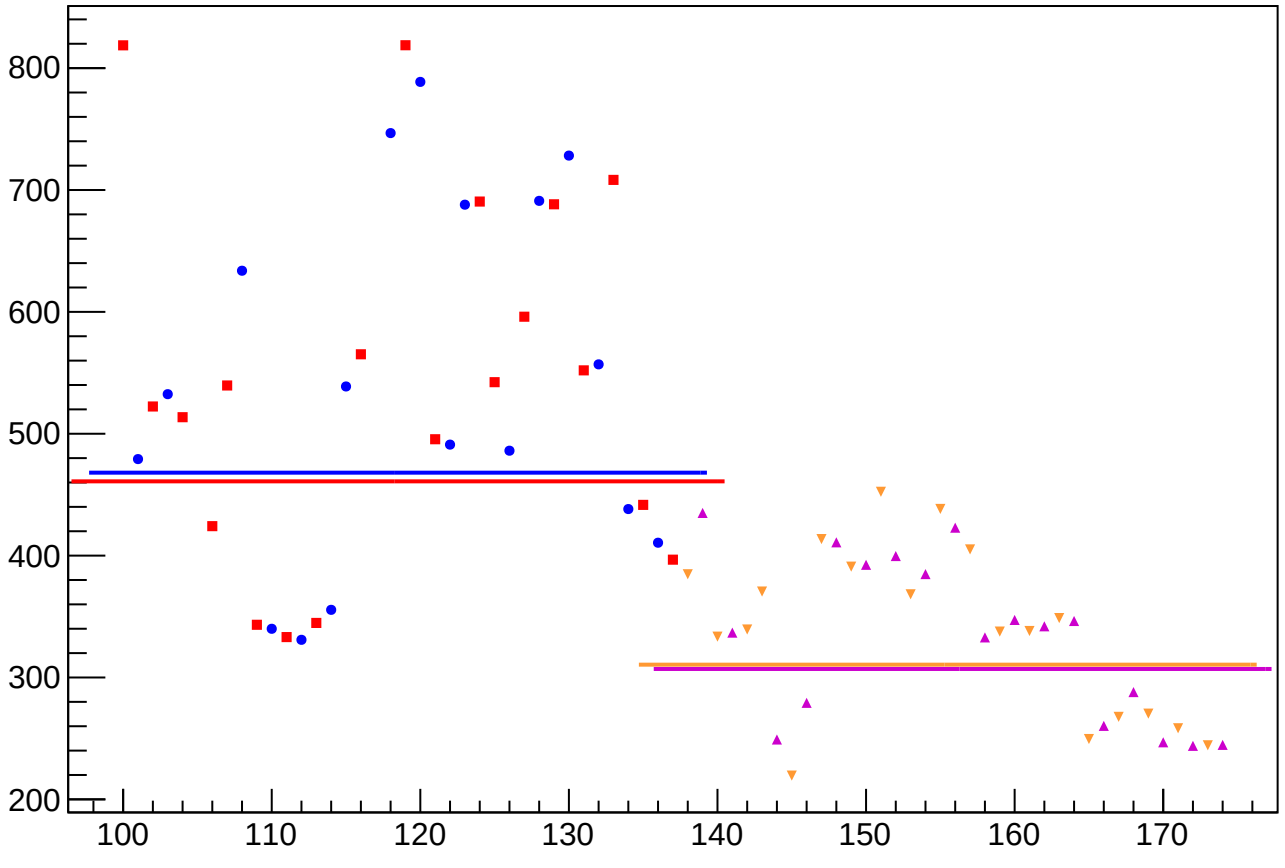
Left: 147.818+/-59.523 χ^2/NDF: 74.4/36

Right: -90.096+/-129.965 χ^2/NDF: 40.7/35

In: 27.469+/-76.628 χ^2/NDF:54.6/34

Out: 185.275+/-76.439 χ^2/NDF:61.2/37

All: 106.567+/-54.117 χ^2/NDF: 117.9/72



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: 306.988+/-0.059 χ^2/NDF:1100342.8/17

Left: 308.742+/-0.042 χ^2/NDF: 2396820.1/36

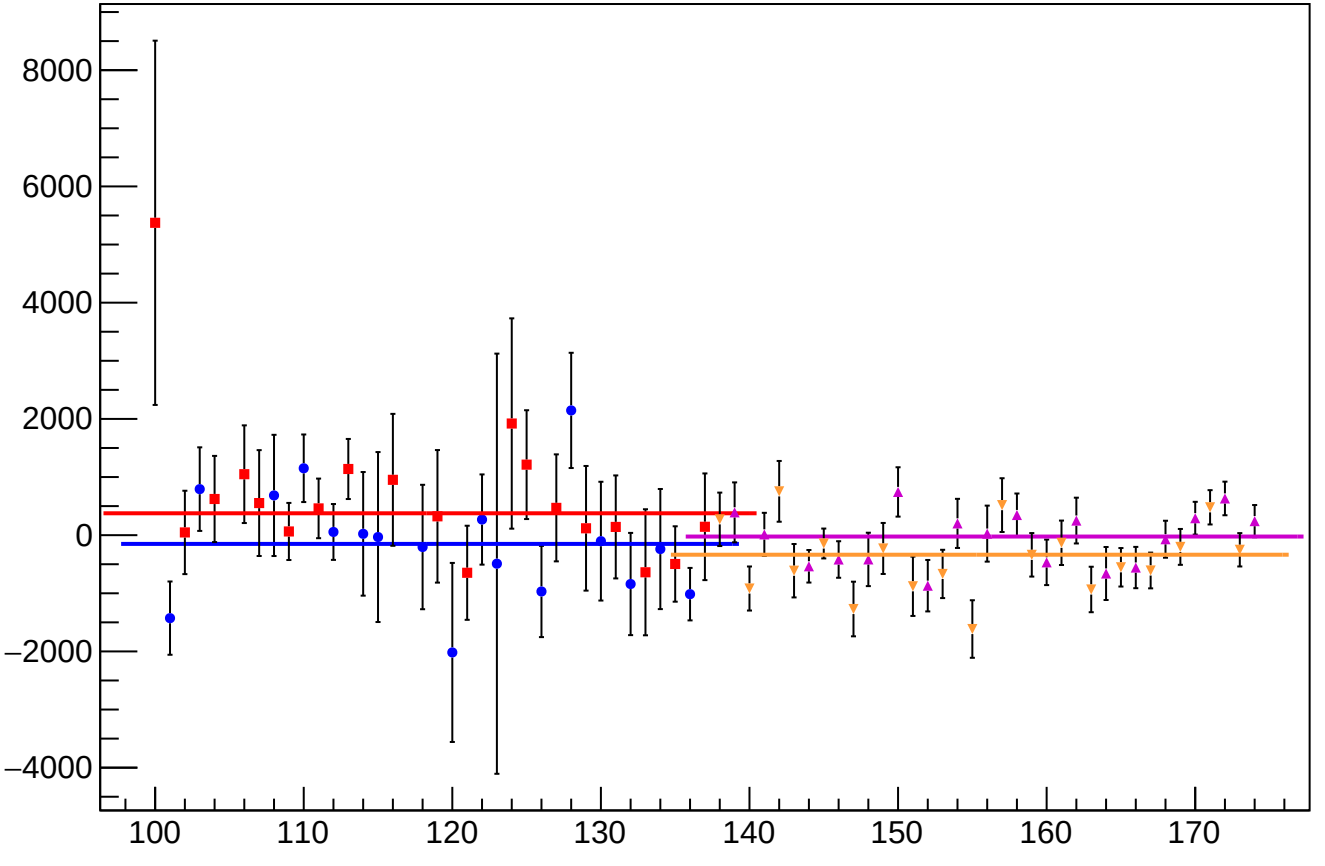
Right: 464.328+/-0.092 χ^2/NDF: 1836849.7/35

In: 333.591+/-0.054 χ^2/NDF:3199230.9/34

Out: 337.835+/-0.054 χ^2/NDF:3400662.2/37

All: 335.718+/-0.038 χ^2/NDF: 6602968.5/72

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: -23.610+/-84.599 χ^2/NDF:27.8/17

Left: -178.823+/-60.040 χ^2/NDF: 71.6/36

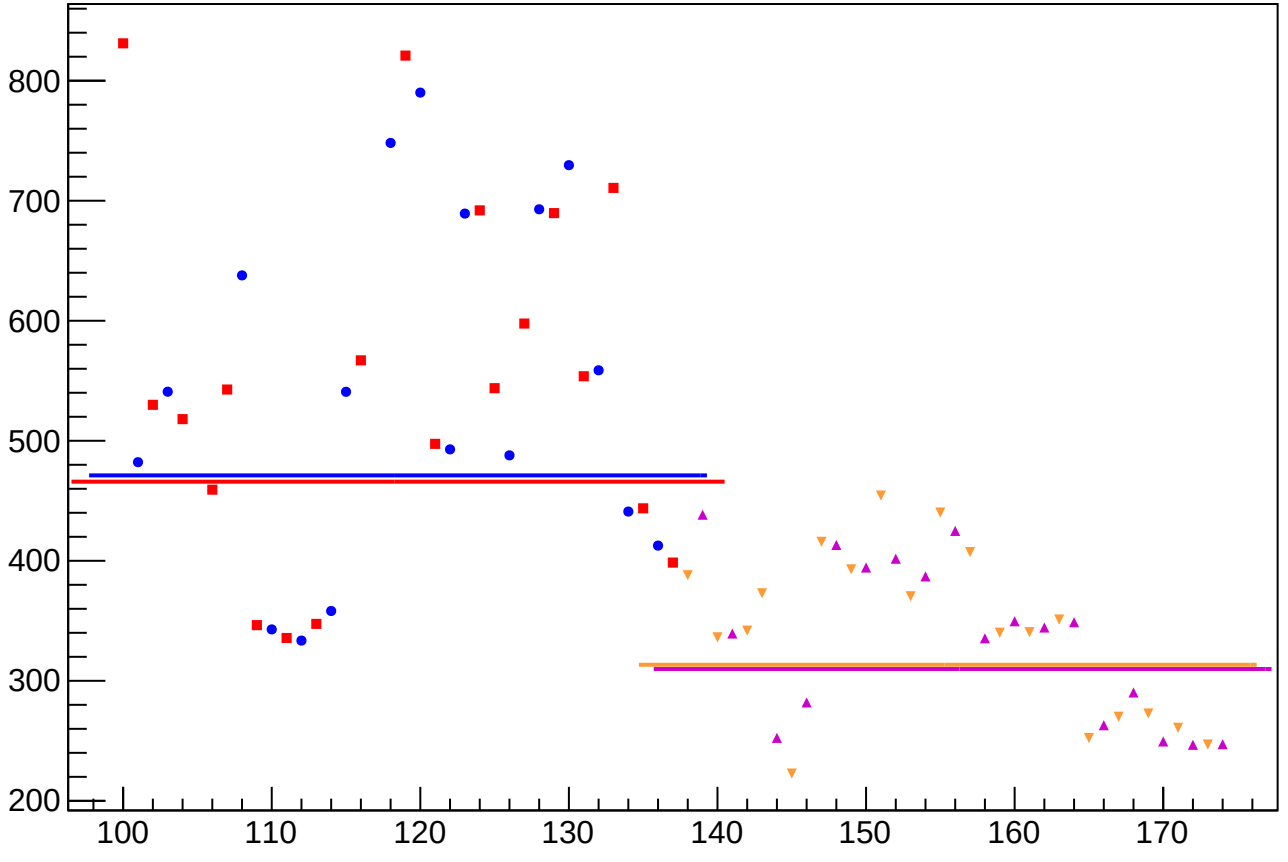
Right: 125.150+/-131.061 χ^2/NDF: 40.7/35

In: -44.622+/-77.266 χ^2/NDF:52.4/34

Out: -207.271+/-77.124 χ^2/NDF:62.1/37

All: -126.096+/-54.585 χ^2/NDF: 116.7/72

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: 309.836+/-0.060 χ^2/NDF:1076458.8/17

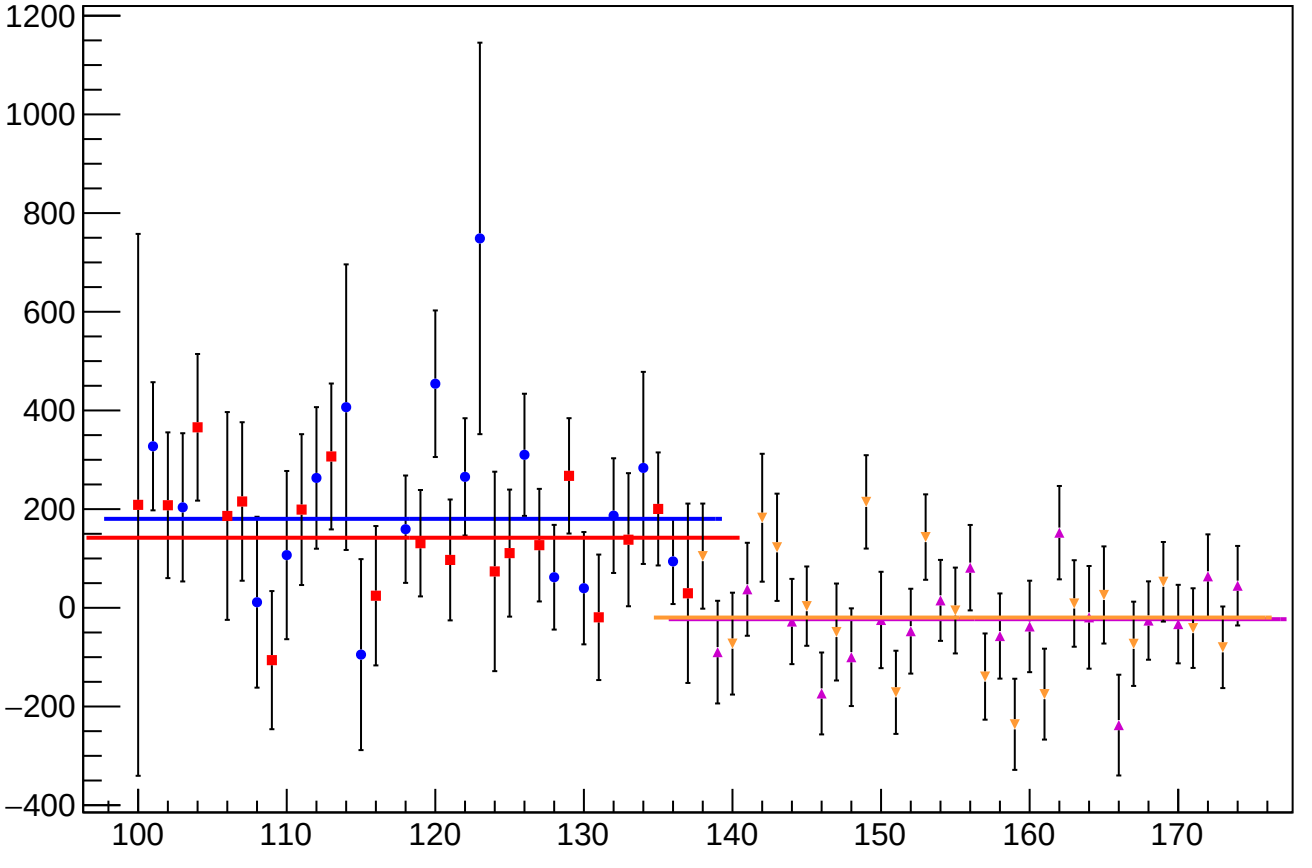
Left: 311.601+/-0.042 χ^2/NDF: 2342968.5/36

Right: 468.427+/-0.093 χ^2/NDF: 1813145.9/35

In: 336.590+/-0.055 χ^2/NDF:3154399.6/34

Out: 341.009+/-0.055 χ^2/NDF:3365354.4/37

All: 338.803+/-0.039 χ^2/NDF: 6523030.2/72



Right In: 180.326+/-32.769 χ^2/NDF: 16.6/16

Left Out: -19.729+/-20.885 χ^2/NDF:31.2/18

Right Out: 142.040+/-32.338 χ^2/NDF: 11.7/18

Left In: -23.048+/-21.000 χ^2/NDF:16.3/17

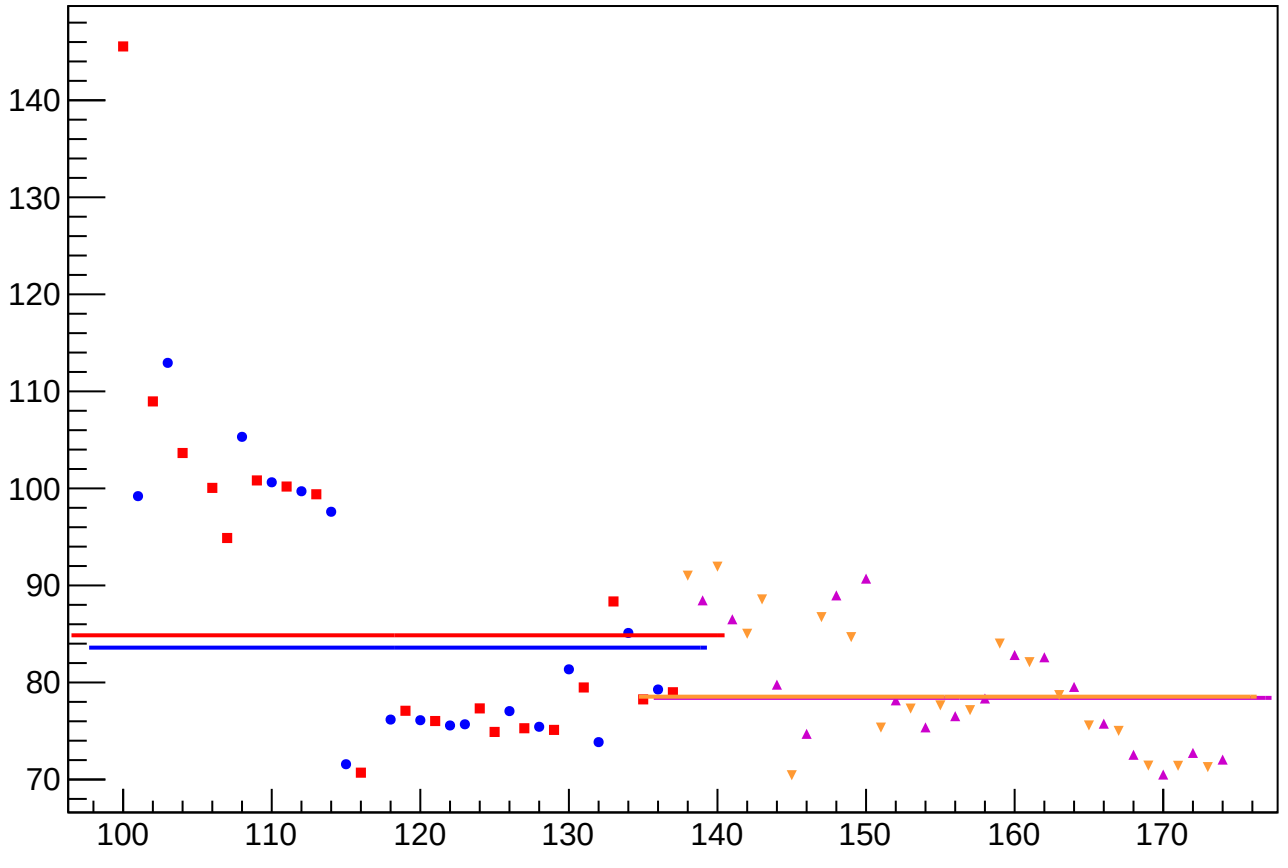
Left: -21.379+/-14.809 χ^2/NDF: 47.5/36

Right: 160.930+/-23.017 χ^2/NDF: 28.9/35

In: 36.161+/-17.681 χ^2/NDF:60.1/34

Out: 27.886+/-17.544 χ^2/NDF:60.6/37

All: 31.991+/-12.454 χ^2/NDF: 120.8/72



Right In: 83.591+/-0.023 χ^2/NDF: 255921.7/16

Left Out: 78.537+/-0.015 χ^2/NDF:191480.8/18

Right Out: 84.861+/-0.023 χ^2/NDF: 290606.5/18

Left In: 78.412+/-0.015 χ^2/NDF:158106.4/17

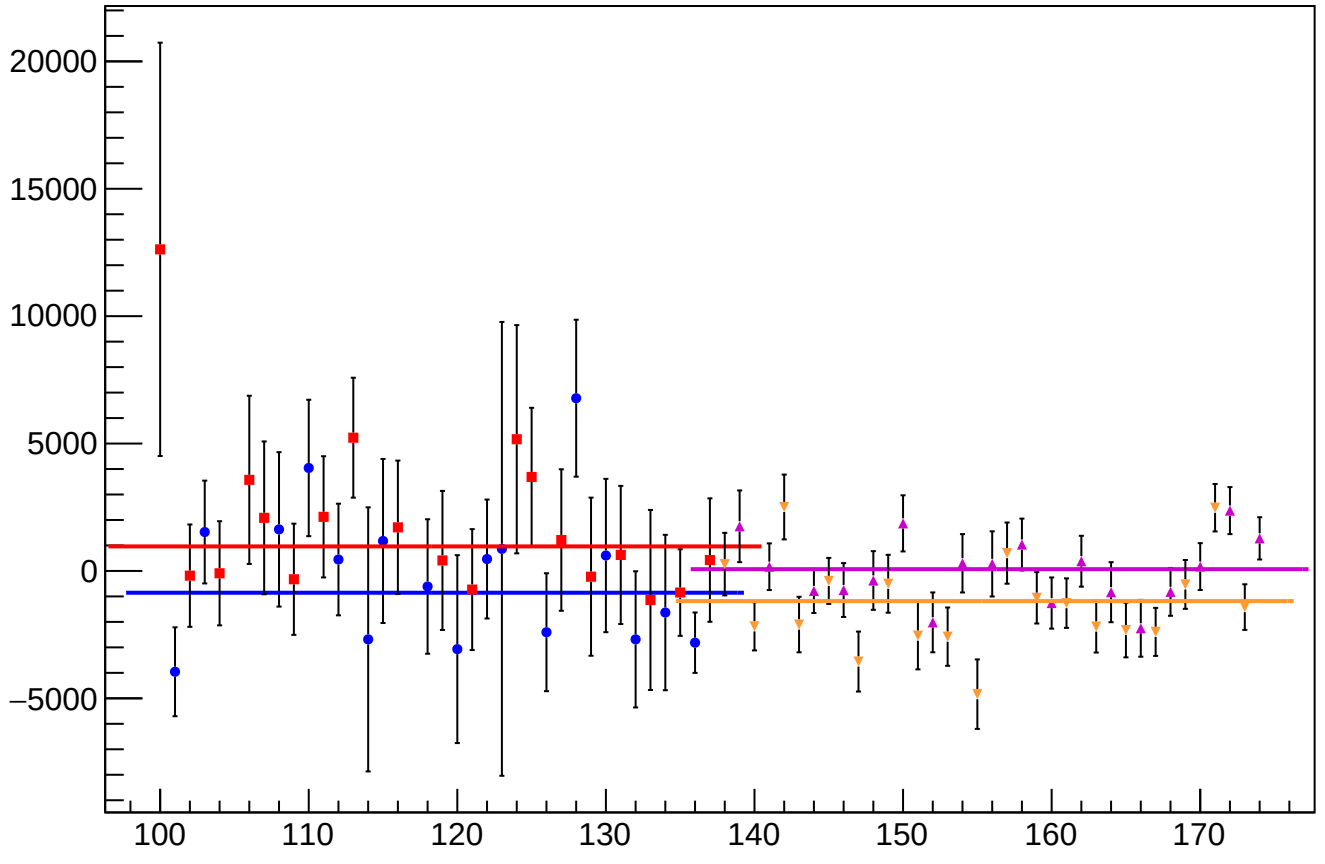
Left: 78.475+/-0.010 χ^2/NDF: 349622.6/36

Right: 84.234+/-0.016 χ^2/NDF: 548050.9/35

In: 79.920+/-0.013 χ^2/NDF:449430.4/34

Out: 80.398+/-0.012 χ^2/NDF:536062.1/37

All: 80.161+/-0.009 χ^2/NDF: 986230.4/72



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: 69.755+/-242.326 χ^2/NDF:26.0/17

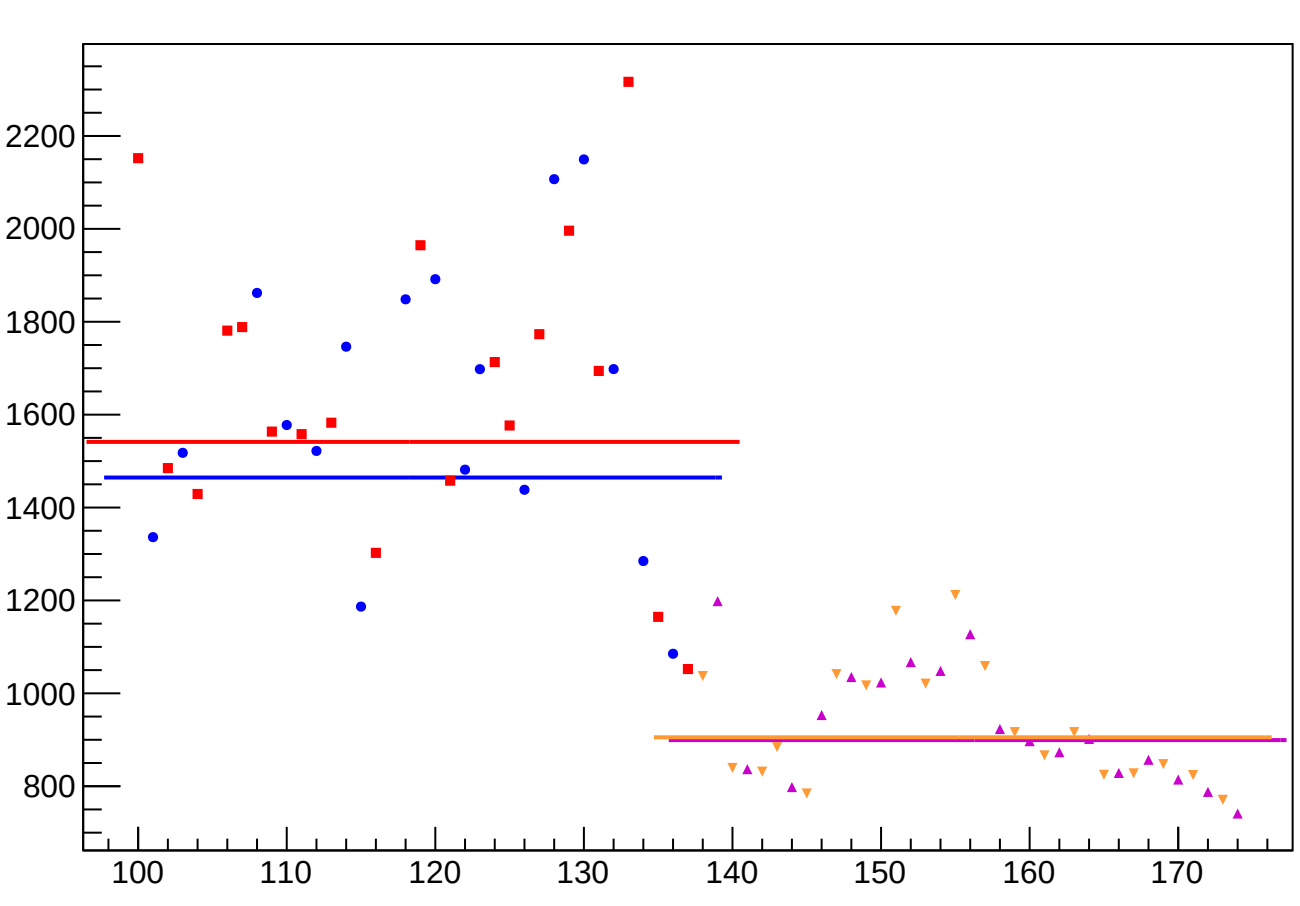
Left: -555.801+/-171.390 χ^2/NDF: 88.1/36

Right: 44.847+/-414.477 χ^2/NDF: 36.6/35

In: -66.407+/-223.783 χ^2/NDF:48.4/34

Out: -871.258+/-224.194 χ^2/NDF:71.6/37

All: -468.093+/-158.384 χ^2/NDF: 126.5/72



Right In: 1464.636+/-0.412 χ^2/NDF: 560863.4/16

Left Out: 905.310+/-0.171 χ^2/NDF:457156.4/18

Right Out: 1541.388+/-0.417 χ^2/NDF: 453710.5/18

Left In: 899.329+/-0.171 χ^2/NDF:457090.7/17

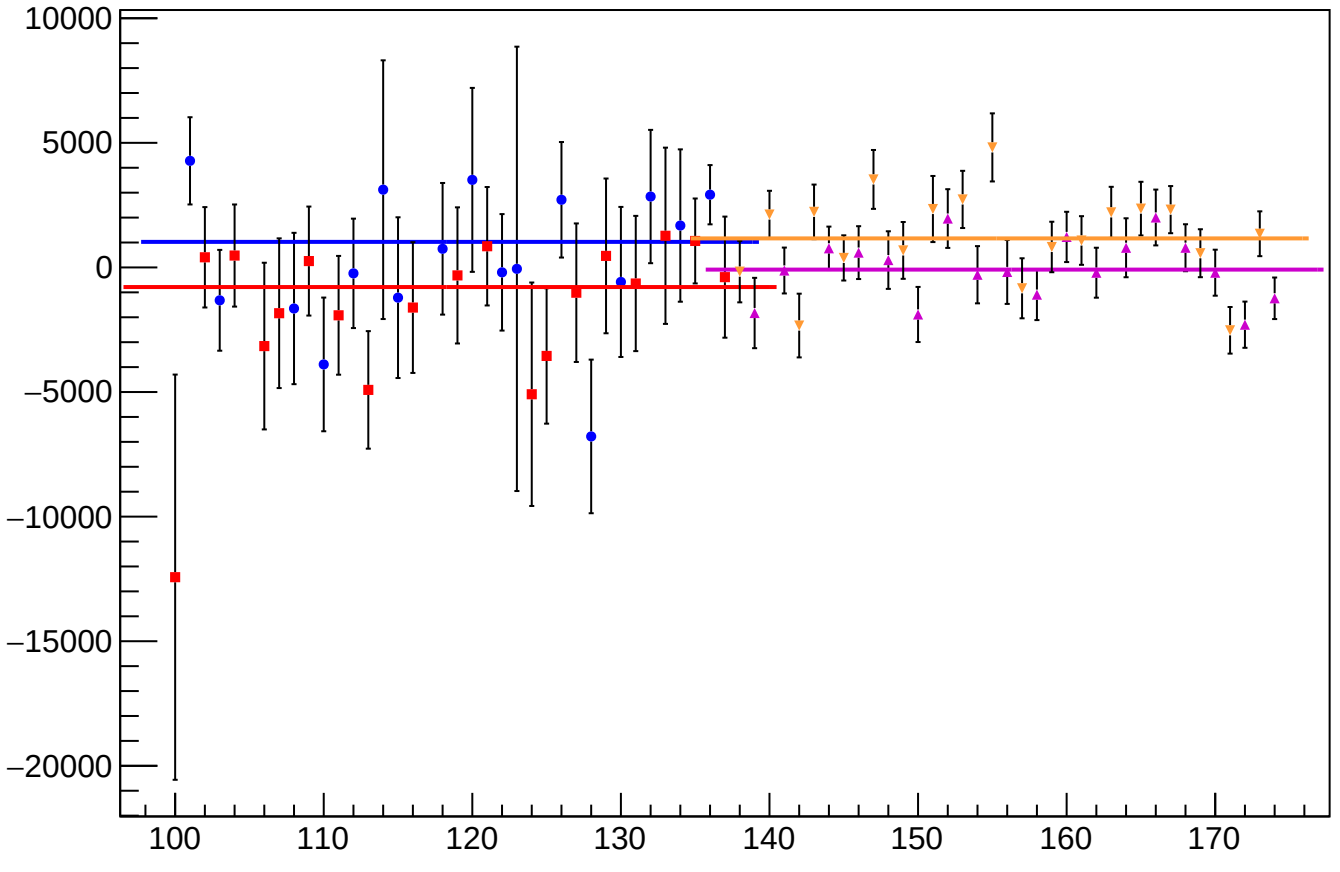
Left: 902.318+/-0.121 χ^2/NDF: 914856.1/36

Right: 1502.634+/-0.293 χ^2/NDF: 1031717.7/35

In: 982.537+/-0.158 χ^2/NDF:2620021.1/34

Out: 997.445+/-0.159 χ^2/NDF:2905023.4/37

All: 989.977+/-0.112 χ^2/NDF: 5529473.9/72



Right In: 1025.527+/-584.500 χ^2/NDF: 20.9/16

Left Out: 1164.929+/-243.417 χ^2/NDF:48.0/18

Right Out: -787.007+/-590.388 χ^2/NDF: 11.2/18

Left In: -87.135+/-243.302 χ^2/NDF:23.9/17

Left: 538.600+/-172.081 χ^2/NDF: 85.1/36

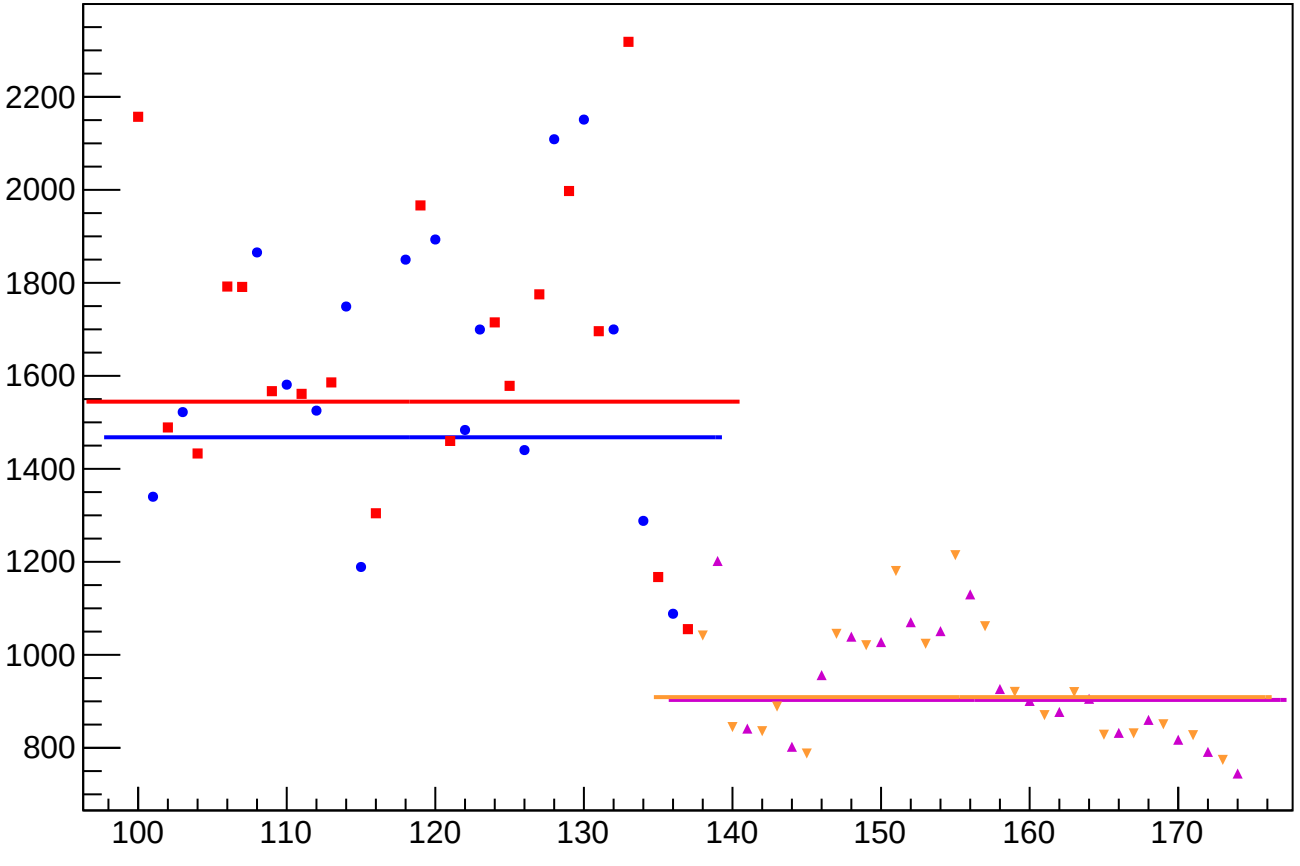
Right: 128.343+/-415.370 χ^2/NDF: 36.9/35

In: 77.184+/-224.619 χ^2/NDF:47.9/34

Out: 881.326+/-225.040 χ^2/NDF:68.5/37

All: 478.502+/-158.978 χ^2/NDF: 122.8/72

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: 903.049+/-0.172 χ^2/NDF:452542.4/17

Left: 906.060+/-0.122 χ^2/NDF: 905842.7/36

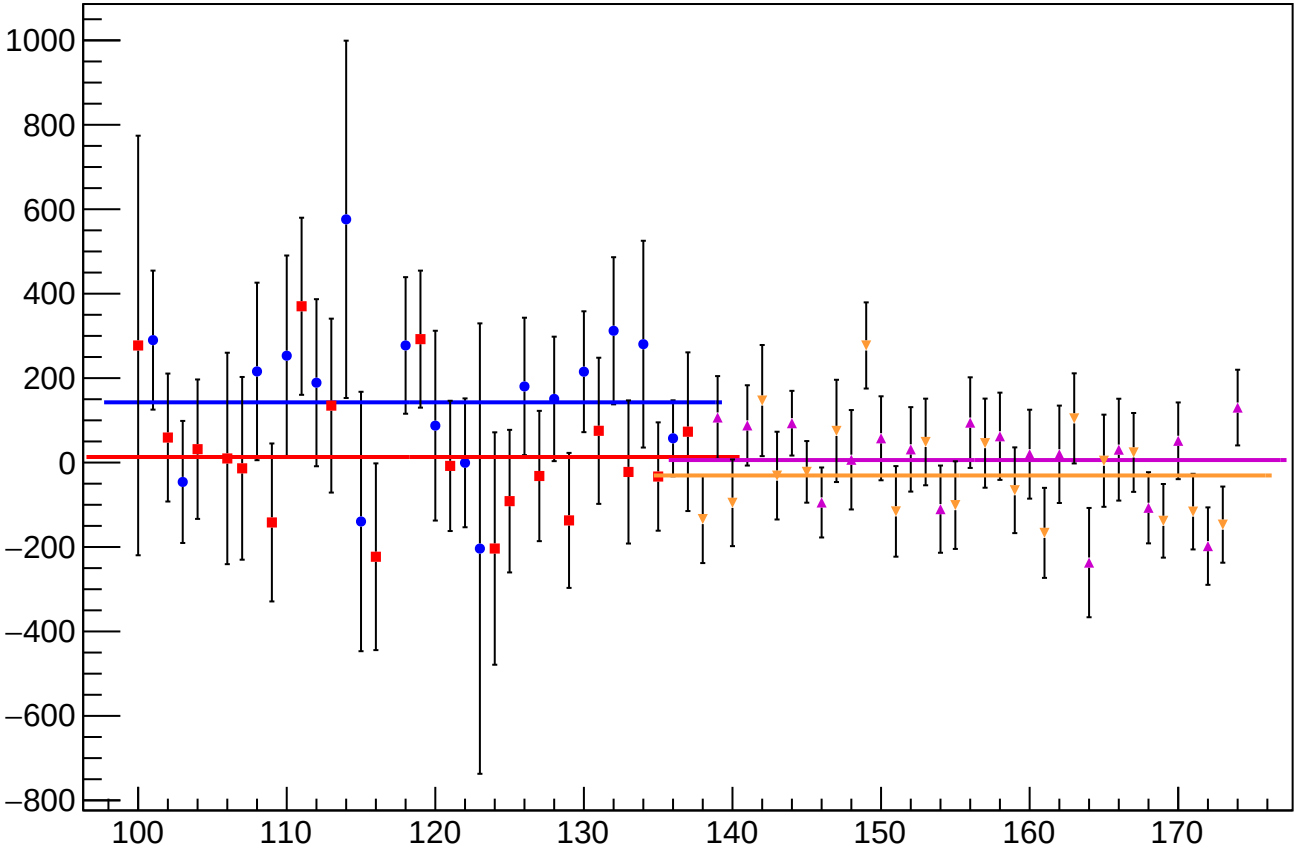
Right: 1505.825+/-0.294 χ^2/NDF: 1026270.9/35

In: 986.467+/-0.159 χ^2/NDF:2601991.0/34

Out: 1001.399+/-0.159 χ^2/NDF:2884749.9/37

All: 993.919+/-0.112 χ^2/NDF: 5491151.5/72

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 142.683+/-41.625 χ^2/NDF: 9.3/16

Left Out: -30.552+/-22.916 χ^2/NDF:23.2/18

Right Out: 13.177+/-41.396 χ^2/NDF: 10.8/18

Left In: 5.949+/-23.082 χ^2/NDF:19.7/17

Left: -12.433+/-16.263 χ^2/NDF: 44.1/36

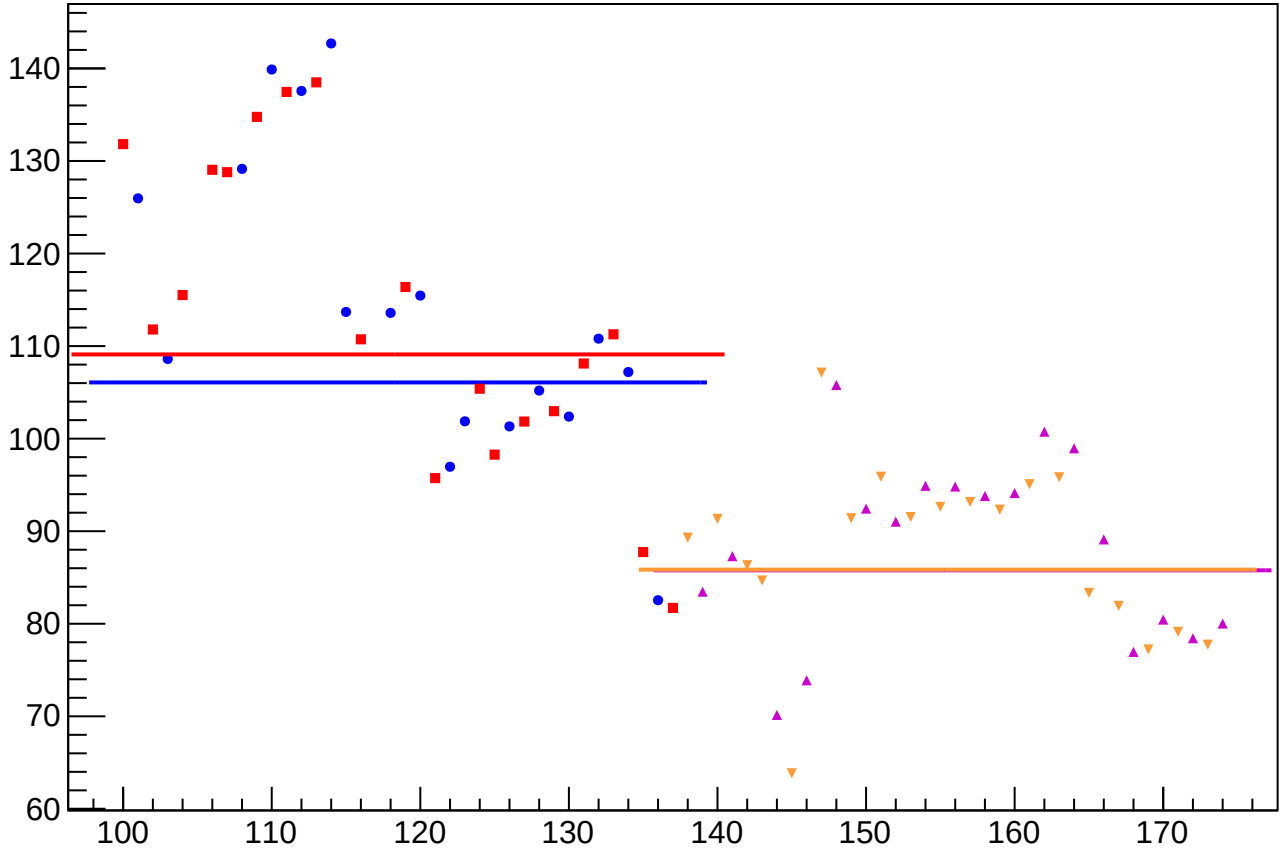
Right: 77.572+/-29.352 χ^2/NDF: 25.0/35

In: 38.107+/-20.186 χ^2/NDF:37.2/34

Out: -20.294+/-20.049 χ^2/NDF:34.9/37

All: 8.707+/-14.225 χ^2/NDF: 76.3/72

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074+/-0.029 χ^2/NDF: 317907.9/16

Left Out: 85.846+/-0.016 χ^2/NDF:391760.2/18

Right Out: 109.100+/-0.029 χ^2/NDF: 285394.8/18

Left In: 85.773+/-0.016 χ^2/NDF:358540.3/17

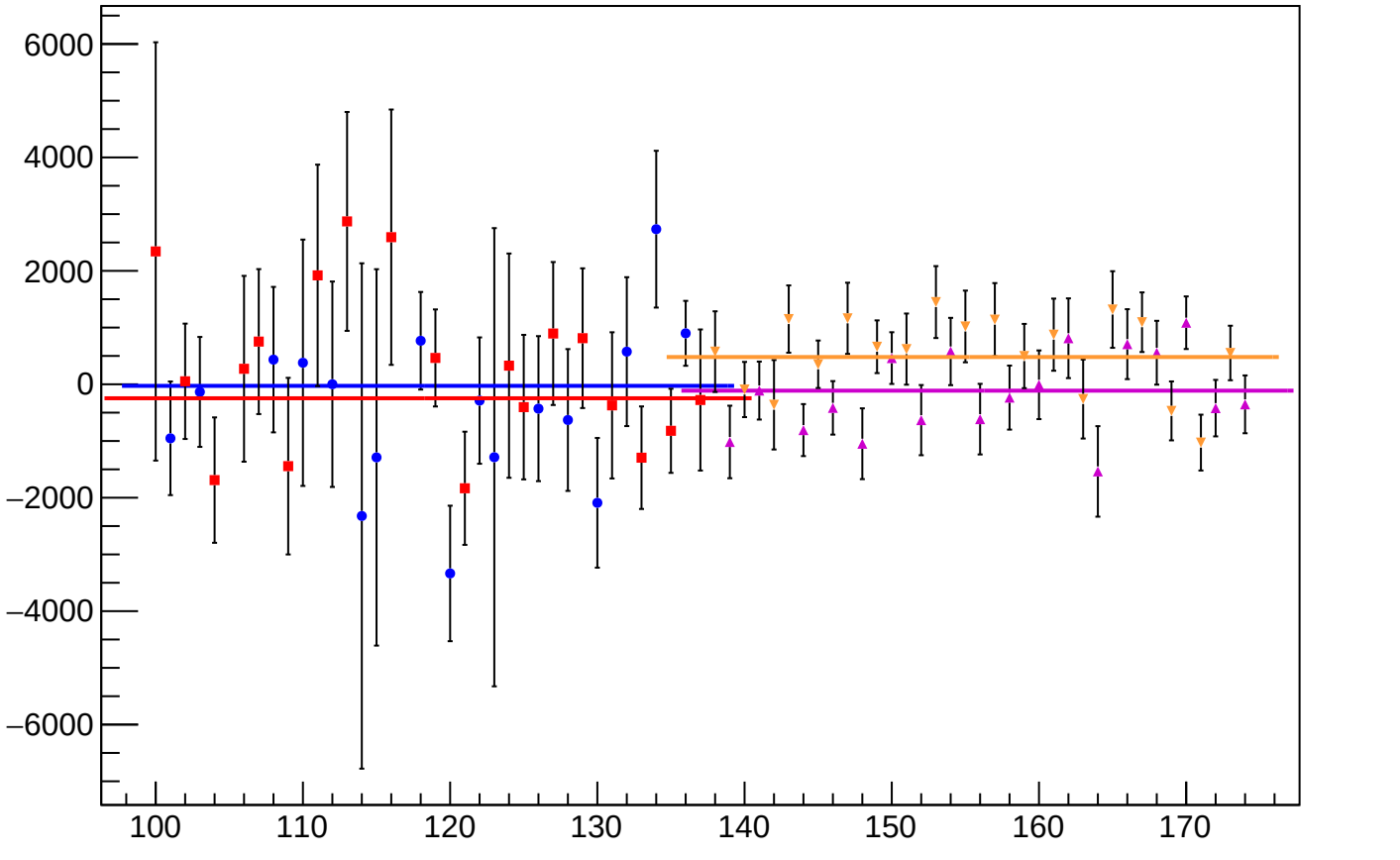
Left: 85.810+/-0.011 χ^2/NDF: 750310.6/36

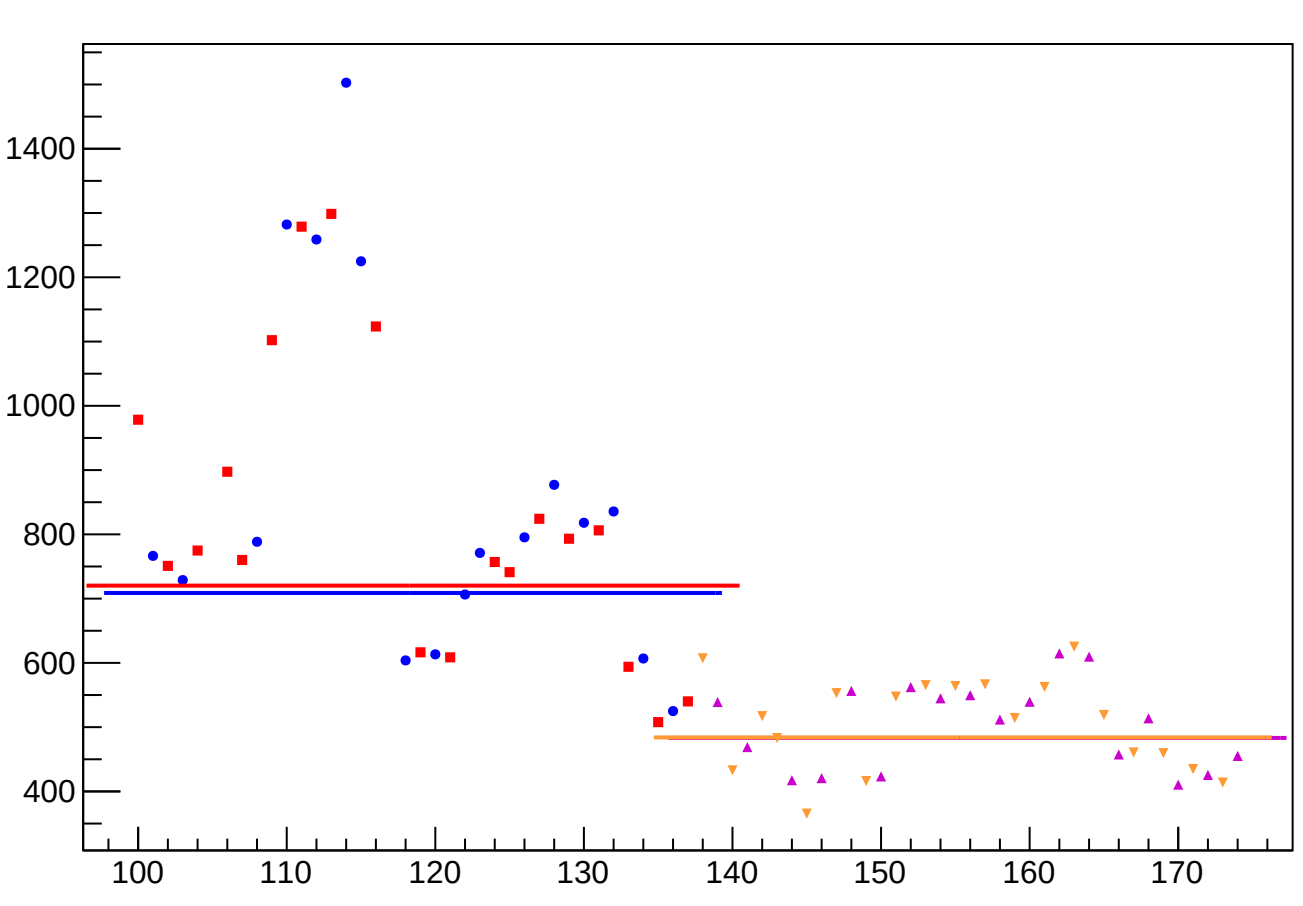
Right: 107.595+/-0.021 χ^2/NDF: 608619.1/35

In: 90.548+/-0.014 χ^2/NDF:1040262.1/34

Out: 91.301+/-0.014 χ^2/NDF:1160232.4/37

All: 90.927+/-0.010 χ^2/NDF: 2201896.6/72


asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
−6000
100
110
120
130
140
150
160
170
Right In: -27.969+/-283.741 χ²/NDF: 20.5/16
Left Out: 480.520+/-130.092 χ²/NDF:26.6/18
Right Out: -246.386+/-279.451 χ²/NDF: 15.9/18
Left In: -112.517+/-130.498 χ²/NDF:26.7/17
Left: 184.925+/-92.132 χ²/NDF: 63.6/36
Right: -138.842+/-199.101 χ²/NDF: 36.7/35
In: -97.755+/-118.560 χ²/NDF:47.3/34
Out: 351.046+/-117.939 χ²/NDF:48.0/37
All: 127.824+/-83.614 χ²/NDF: 102.5/72



Right In: 708.784+/-0.201 χ^2/NDF: 793538.1/16

Left Out: 483.974+/-0.092 χ^2/NDF:625832.3/18

Right Out: 720.201+/-0.198 χ^2/NDF: 899934.4/18

Left In: 483.241+/-0.092 χ^2/NDF:466252.5/17

Left: 483.609+/-0.065 χ^2/NDF: 1092116.4/36

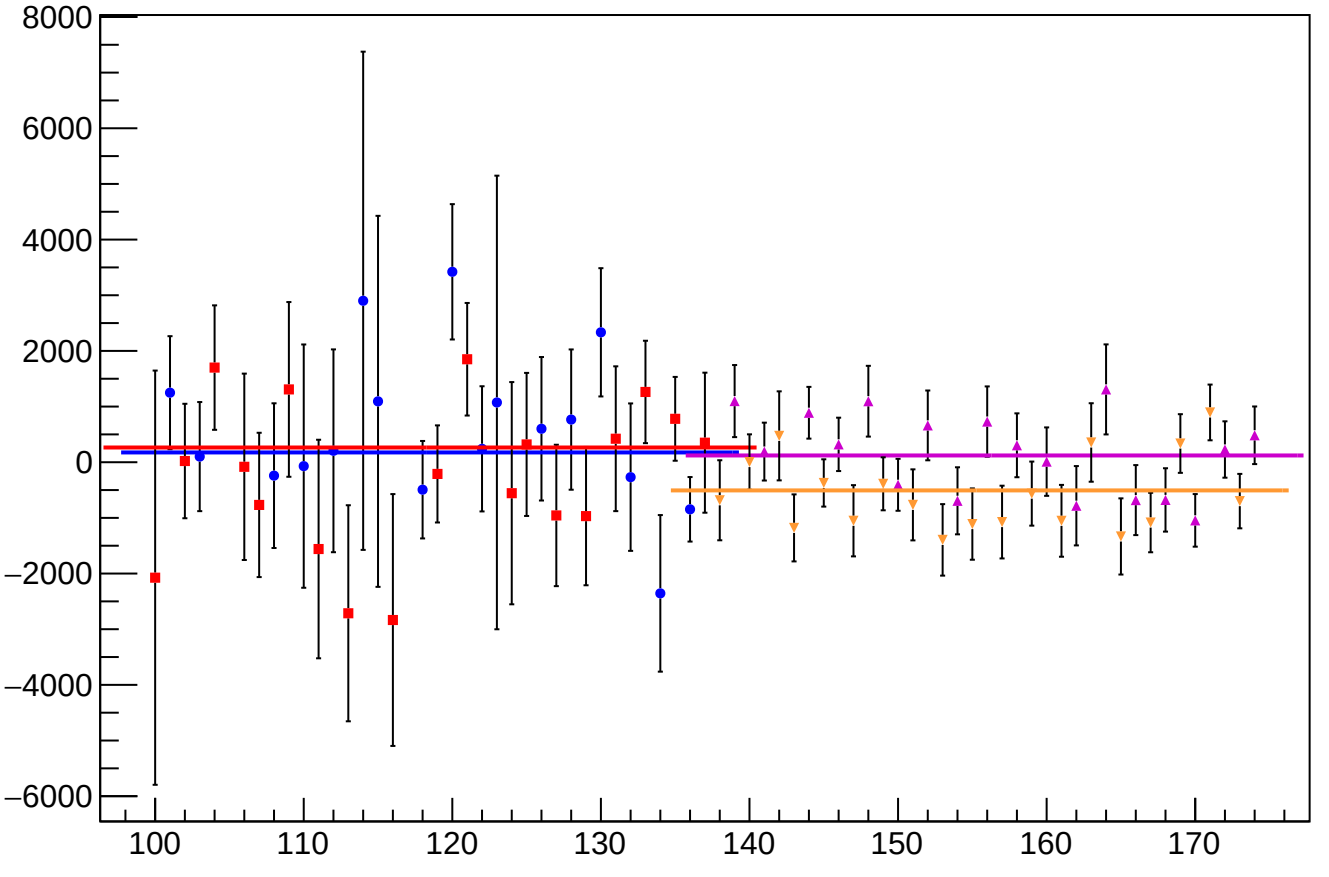
Right: 714.580+/-0.141 χ^2/NDF: 1695116.1/35

In: 522.620+/-0.084 χ^2/NDF:2302854.2/34

Out: 526.050+/-0.083 χ^2/NDF:2700364.0/37

All: 524.344+/-0.059 χ^2/NDF: 5004059.6/72

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: 121.539+/-132.640 χ^2/NDF:26.4/17

Left: -193.343+/-93.646 χ^2/NDF: 61.5/36

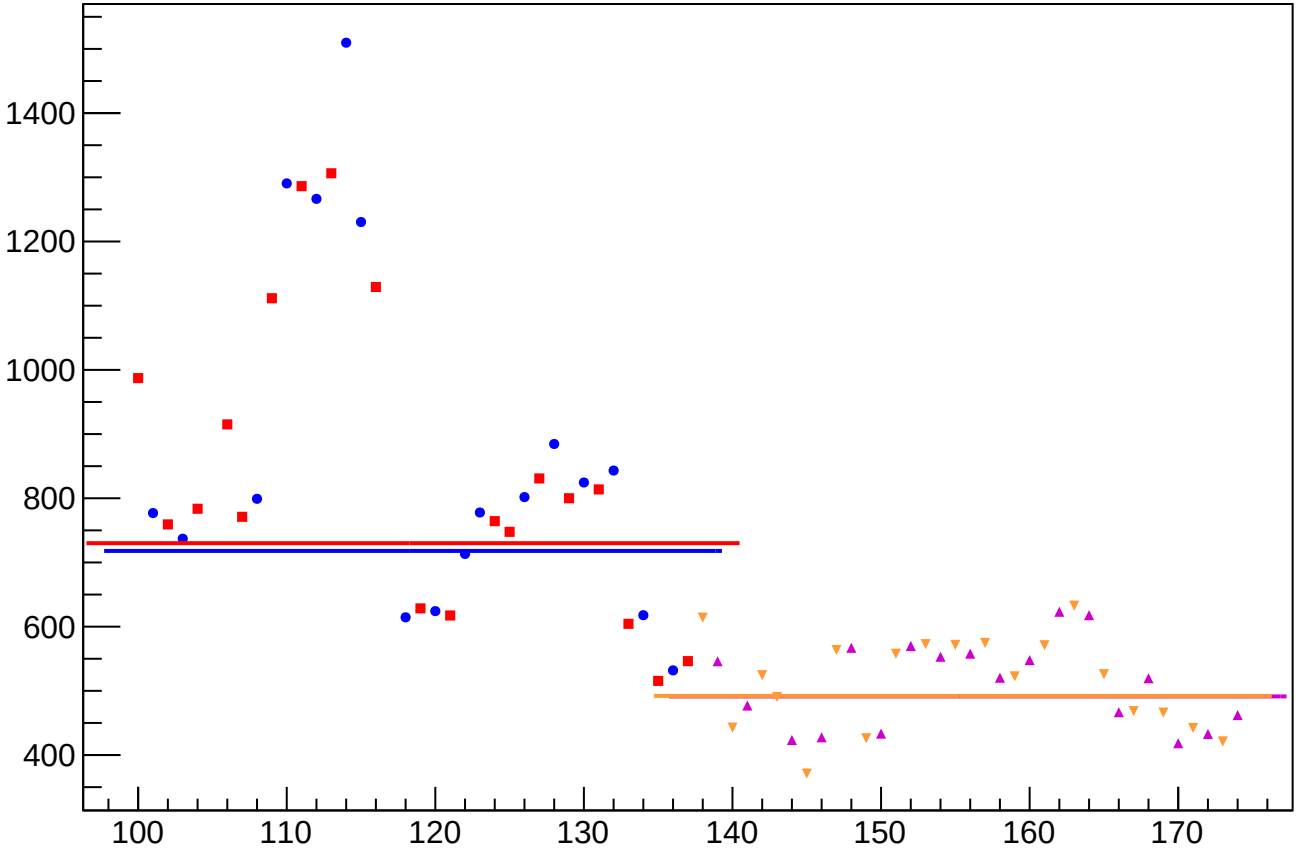
Right: 220.883+/-201.613 χ^2/NDF: 34.6/35

In: 131.086+/-120.419 χ^2/NDF:46.2/34

Out: -368.203+/-119.805 χ^2/NDF:44.8/37

All: -119.834+/-84.931 χ^2/NDF: 99.6/72

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 717.973+/-0.203 χ^2/NDF: 778580.1/16

Left Out: 492.155+/-0.094 χ^2/NDF:612260.8/18

Right Out: 730.040+/-0.200 χ^2/NDF: 881842.0/18

Left In: 491.327+/-0.094 χ^2/NDF:455739.7/17

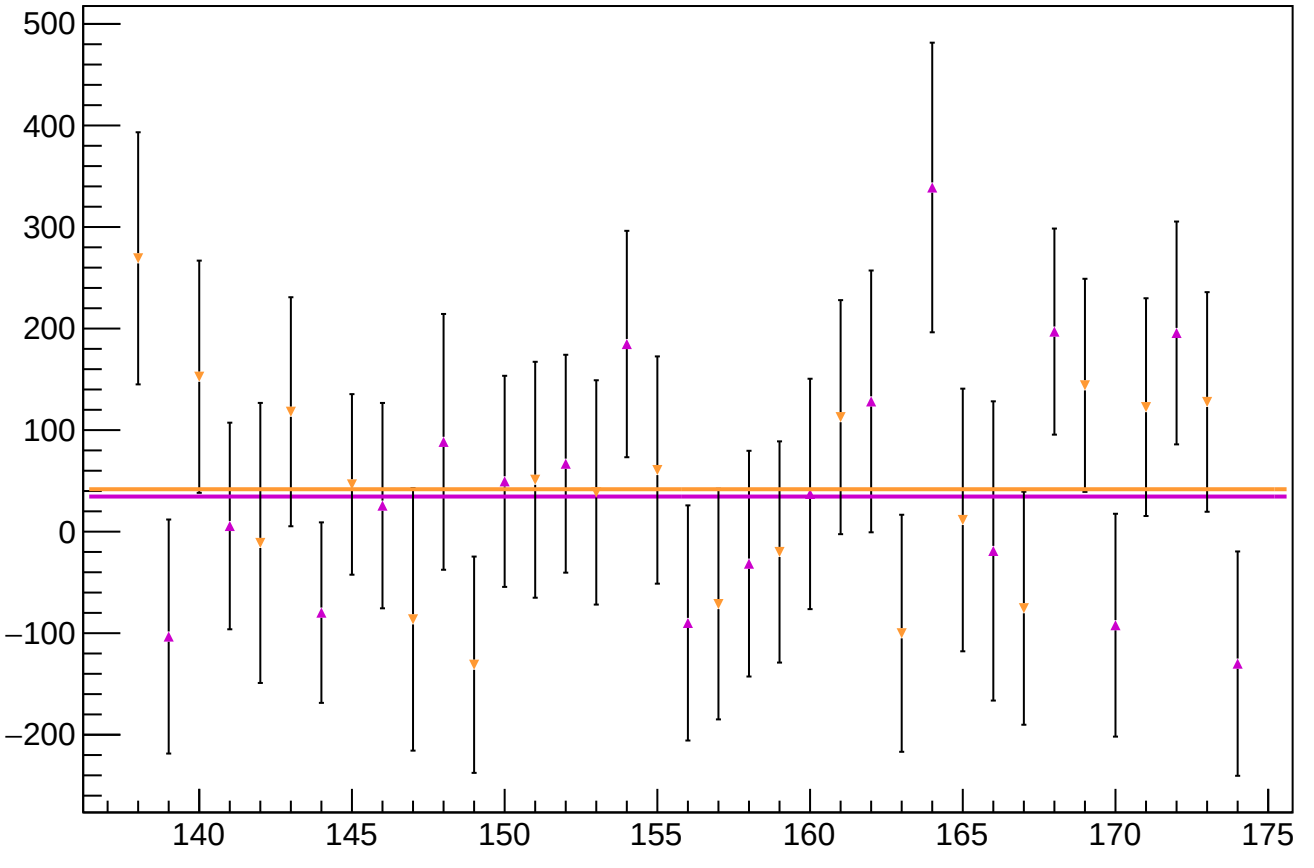
Left: 491.743+/-0.066 χ^2/NDF: 1068039.7/36

Right: 724.094+/-0.143 χ^2/NDF: 1662212.8/35

In: 531.167+/-0.085 χ^2/NDF:2260788.5/34

Out: 534.766+/-0.085 χ^2/NDF:2653523.1/37

All: 532.976+/-0.060 χ^2/NDF: 4915209.5/72



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

Left Out: 41.785+/-25.885 χ^2/NDF:15.0/18

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

Left In: 34.568+/-26.235 χ^2/NDF:20.3/17

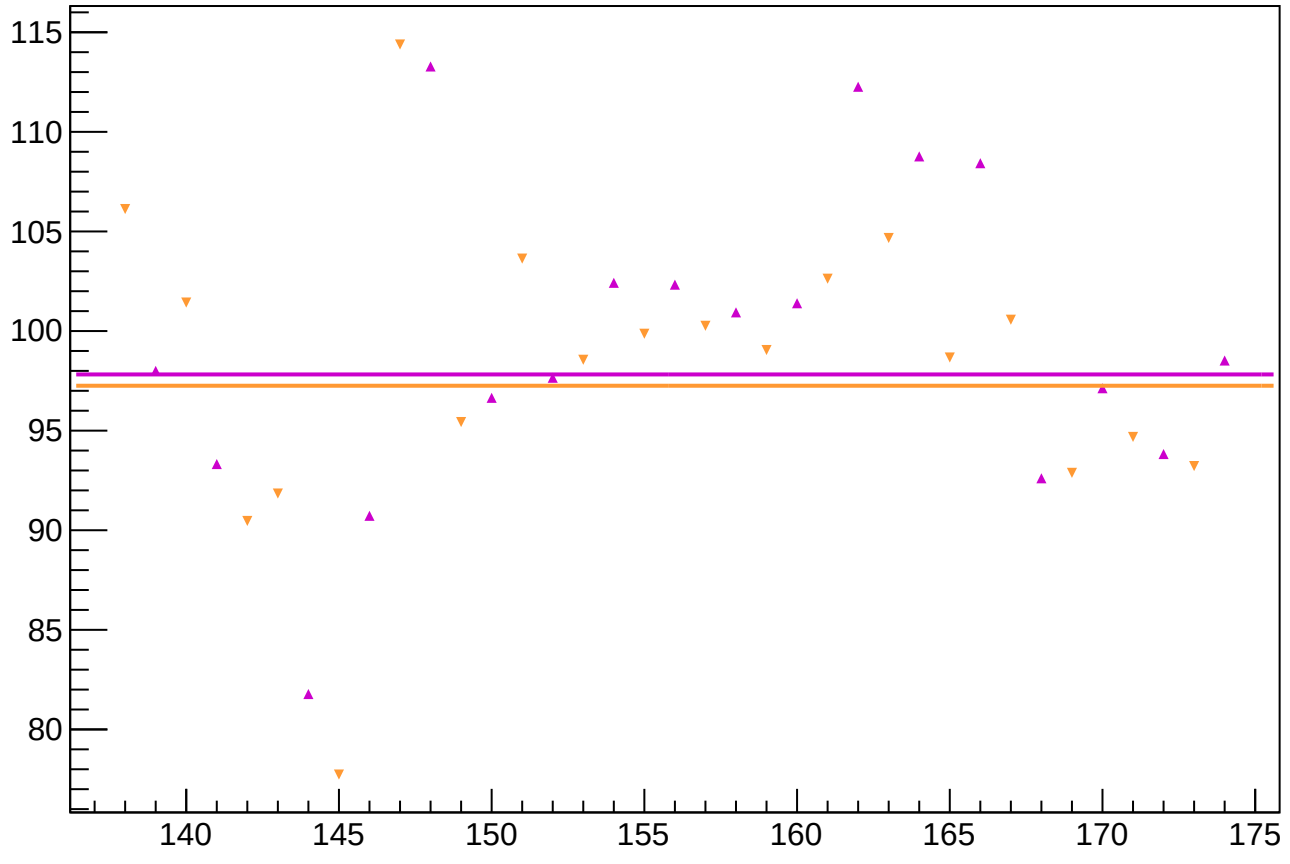
Left: 38.225+/-18.426 χ^2/NDF: 35.3/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 34.568+/-26.235 χ^2/NDF:20.3/17

Out: 41.785+/-25.885 χ^2/NDF:15.0/18

All: 38.225+/-18.426 χ^2/NDF: 35.3/36



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: 97.822+/-0.019 χ^2/NDF:174653.5/17

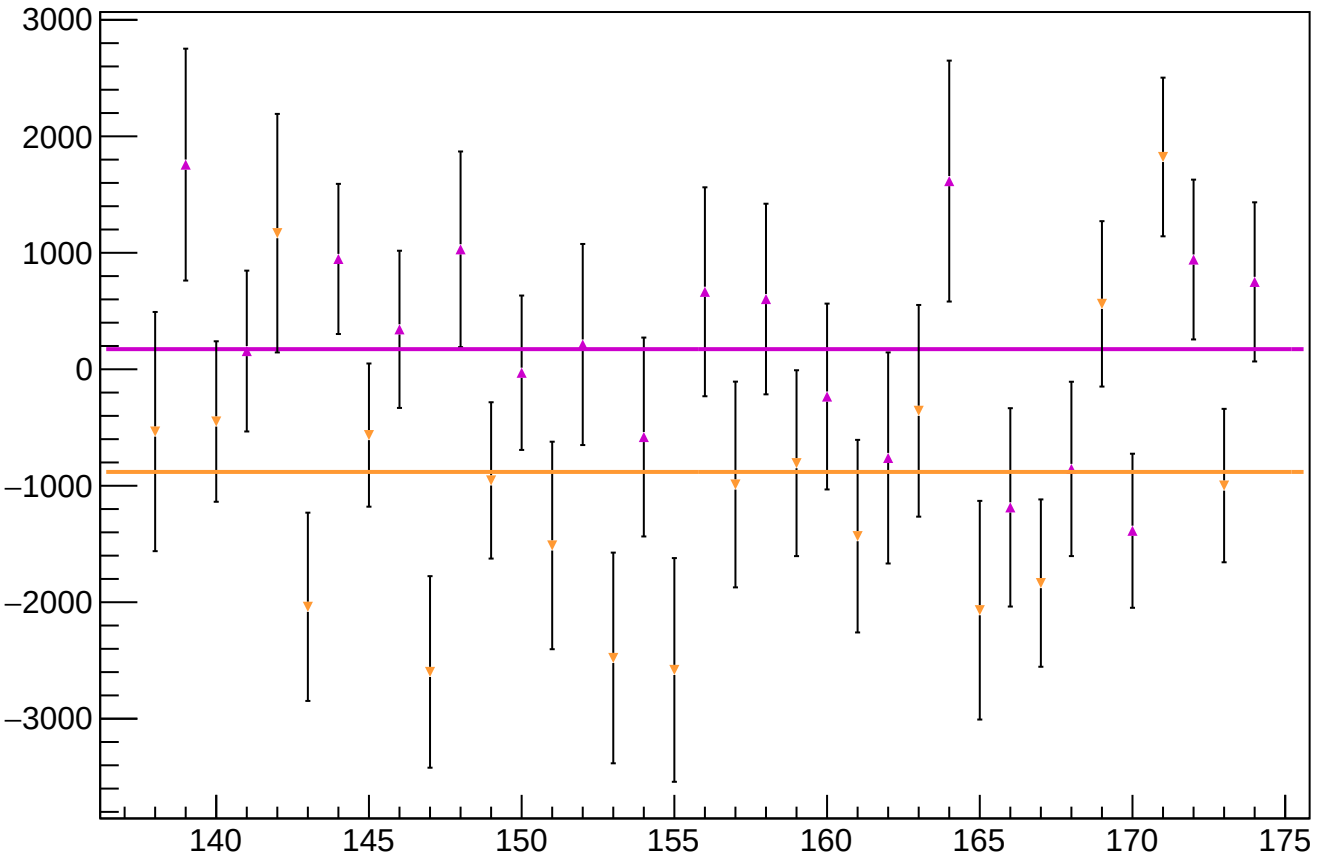
Left: 97.534+/-0.013 χ^2/NDF: 360622.4/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 97.822+/-0.019 χ^2/NDF:174653.5/17

Out: 97.255+/-0.018 χ^2/NDF:185495.0/18

All: 97.534+/-0.013 χ^2/NDF: 360622.4/36



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

Left Out: -881.330+/-181.084 χ^2/NDF:42.0/18

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

Left In: 172.866+/-181.680 χ^2/NDF:21.8/17

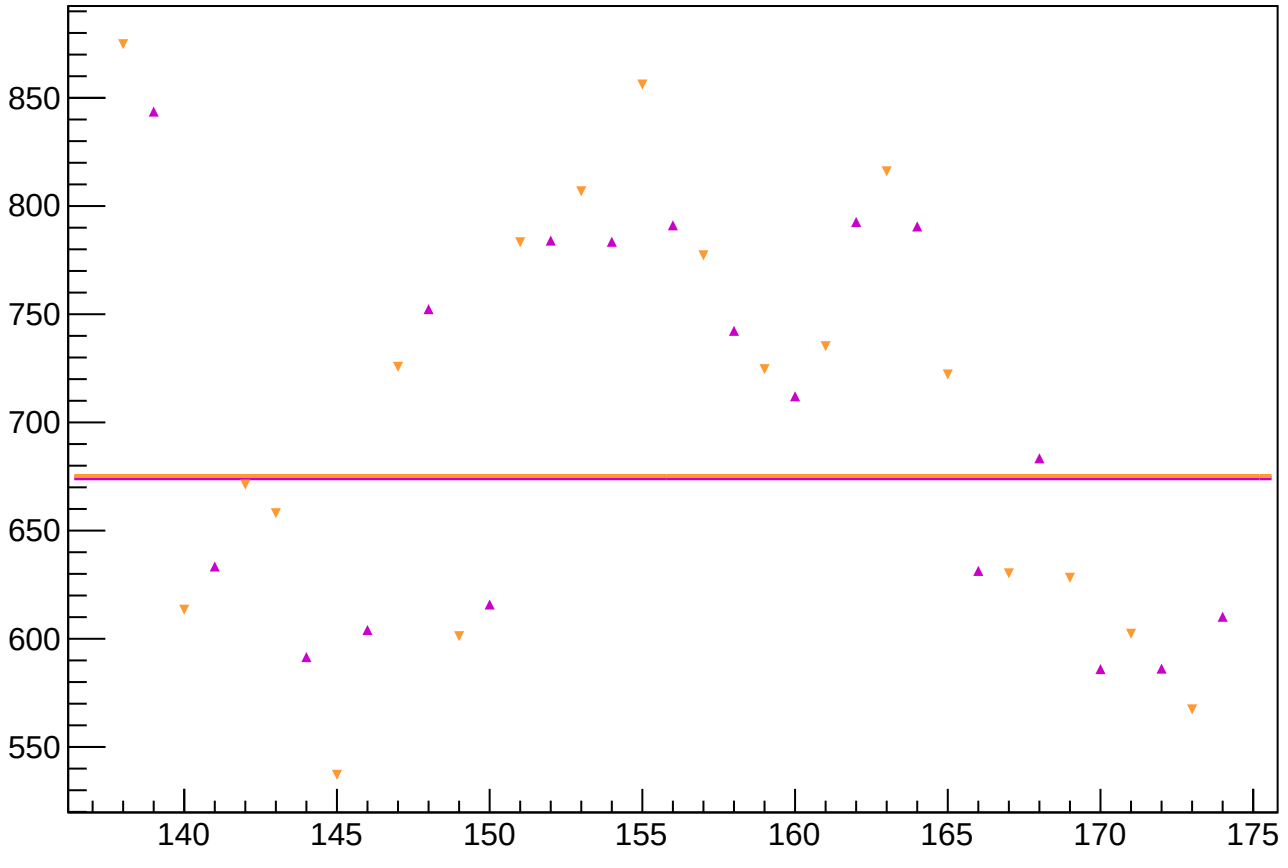
Left: -355.965+/-128.256 χ^2/NDF: 80.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 172.866+/-181.680 χ^2/NDF:21.8/17

Out: -881.330+/-181.084 χ^2/NDF:42.0/18

All: -355.965+/-128.256 χ^2/NDF: 80.7/36



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: 674.175+/-0.128 χ^2/NDF:420625.7/17

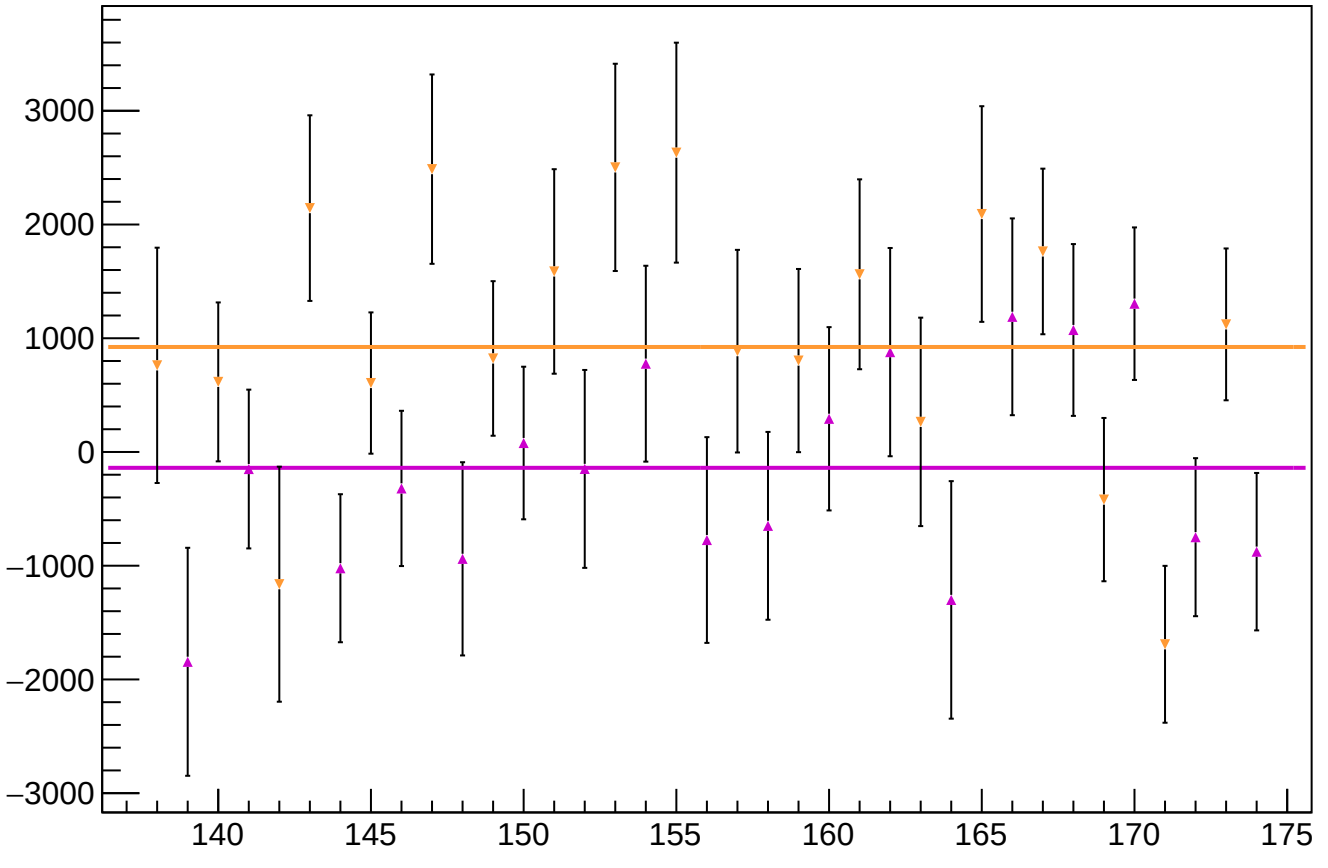
Left: 674.706+/-0.091 χ^2/NDF: 979852.5/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 674.175+/-0.128 χ^2/NDF:420625.7/17

Out: 675.234+/-0.128 χ^2/NDF:559192.7/18

All: 674.706+/-0.091 χ^2/NDF: 979852.5/36



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: -139.321+/-183.675 χ^2/NDF:22.0/17

Left: 393.788+/-129.654 χ^2/NDF: 77.8/36

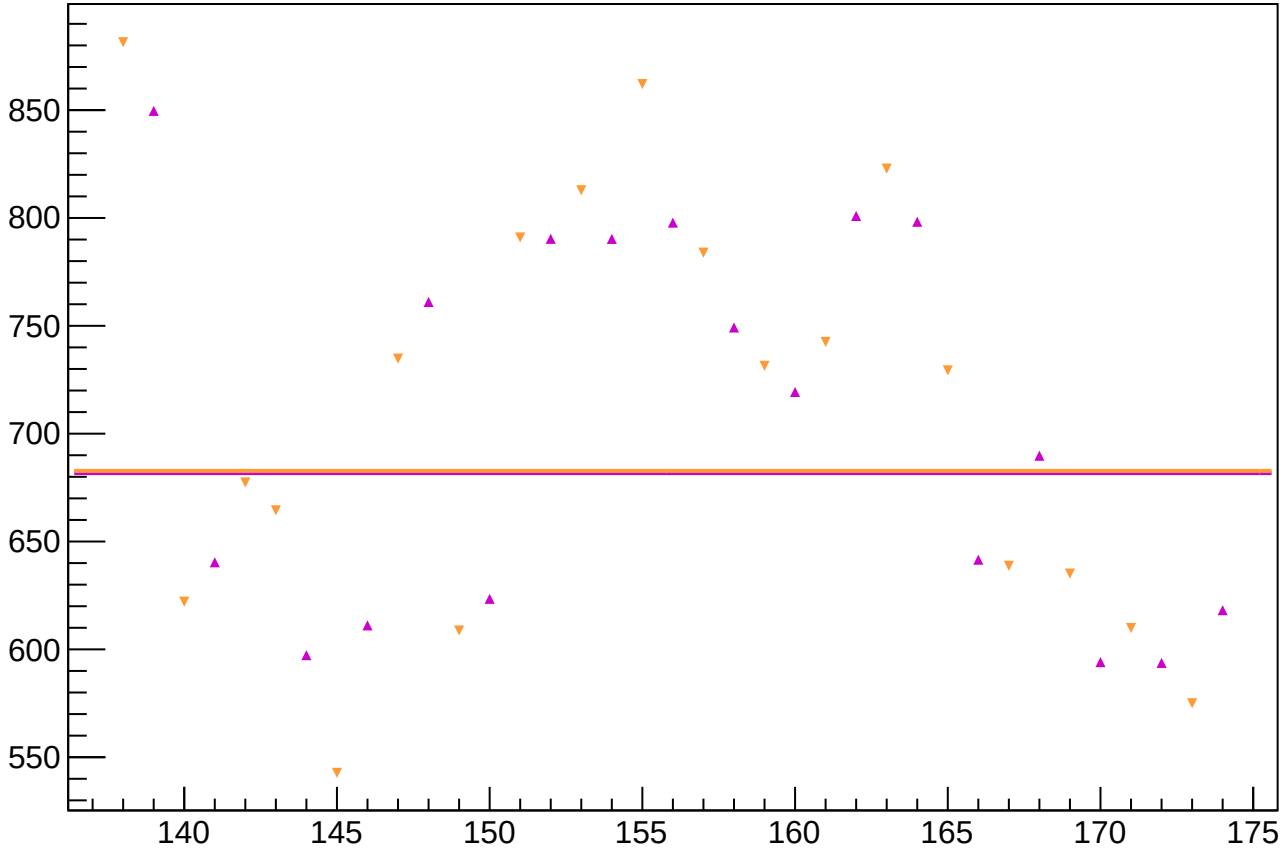
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -139.321+/-183.675 χ^2/NDF:22.0/17

Out: 923.248+/-183.045 χ^2/NDF:38.9/18

All: 393.788+/-129.654 χ^2/NDF: 77.8/36

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: 681.734+/-0.130 χ^2/NDF:410804.8/17

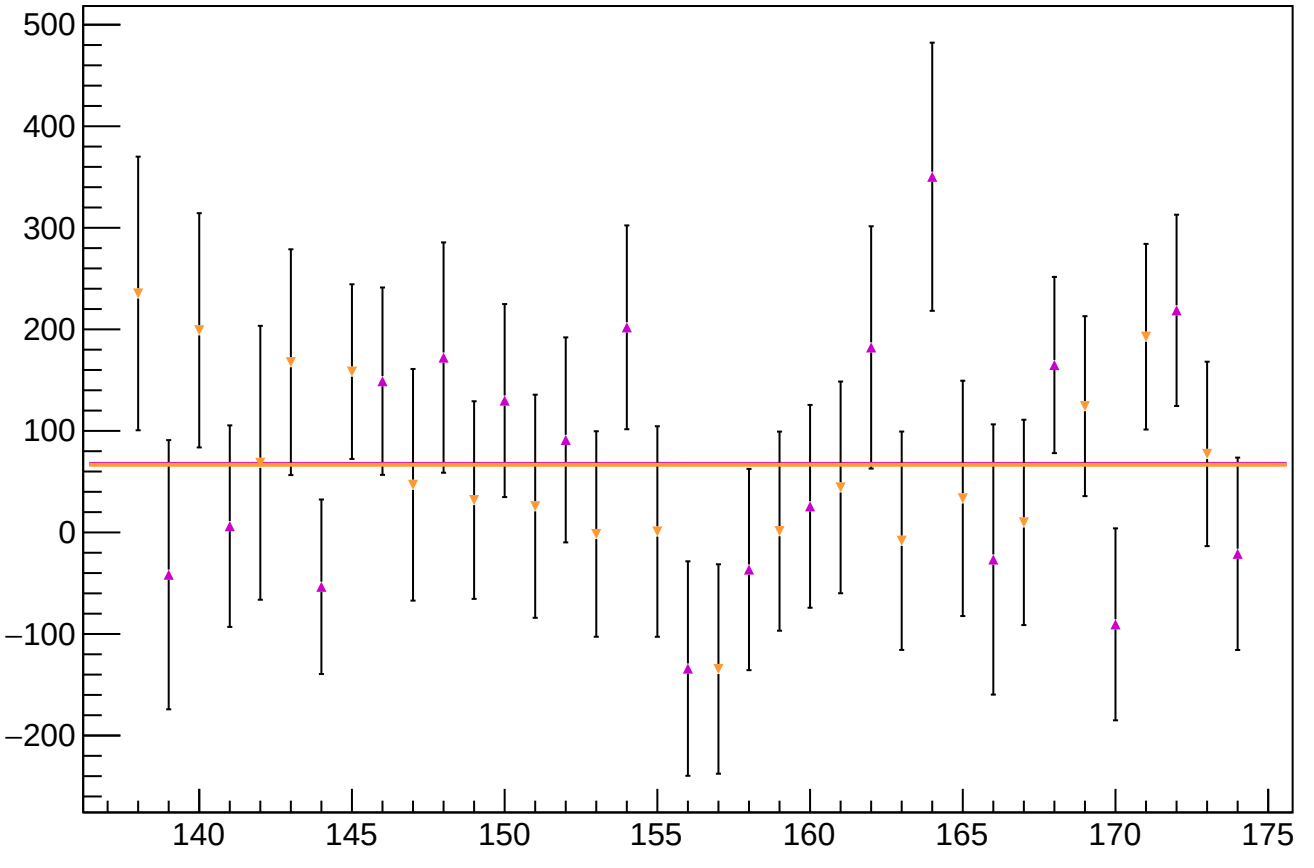
Left: 682.242+/-0.092 χ^2/NDF: 957906.6/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 681.734+/-0.130 χ^2/NDF:410804.8/17

Out: 682.746+/-0.129 χ^2/NDF:547071.3/18

All: 682.242+/-0.092 χ^2/NDF: 957906.6/36



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

Left Out: 66.688+/-23.738 χ^2/NDF:13.5/18

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

Left In: 67.503+/-23.961 χ^2/NDF:25.4/17

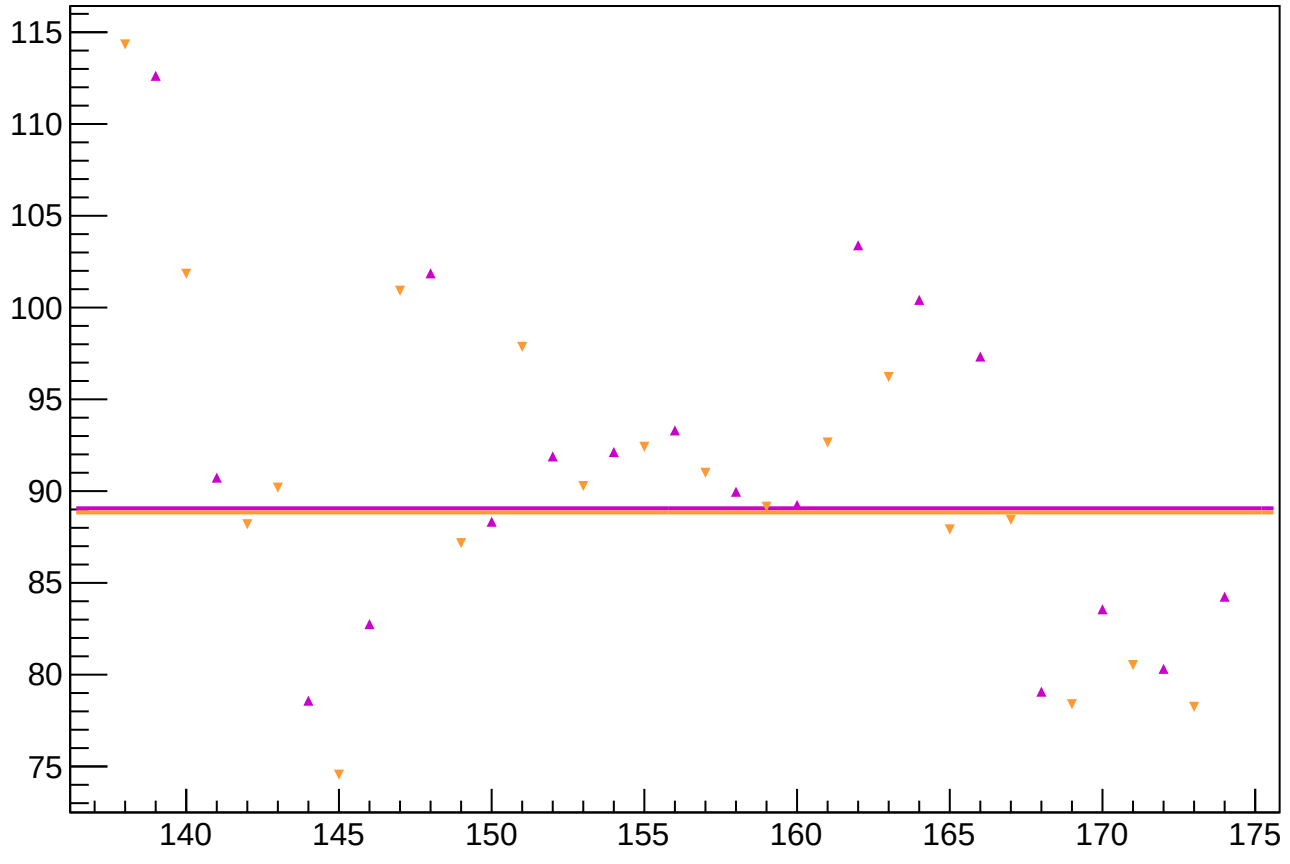
Left: 67.092+/-16.864 χ^2/NDF: 38.9/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 67.503+/-23.961 χ^2/NDF:25.4/17

Out: 66.688+/-23.738 χ^2/NDF:13.5/18

All: 67.092+/-16.864 χ^2/NDF: 38.9/36



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: 89.063+/-0.017 χ^2/NDF:242317.6/17

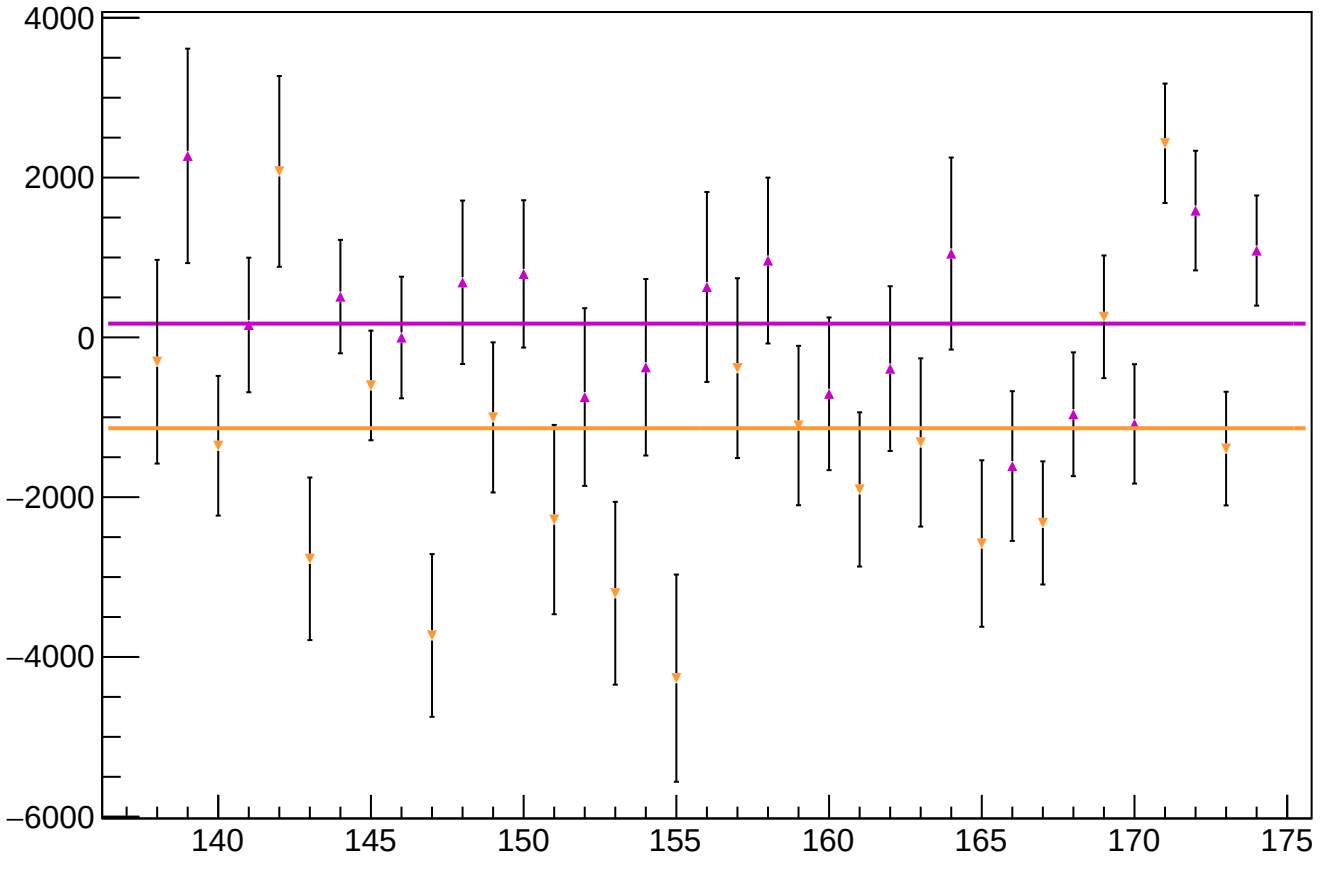
Left: 88.950+/-0.012 χ^2/NDF: 518987.3/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 89.063+/-0.017 χ^2/NDF:242317.6/17

Out: 88.839+/-0.017 χ^2/NDF:276581.7/18

All: 88.950+/-0.012 χ^2/NDF: 518987.3/36



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: 172.307+/-211.862 χ^2/NDF:20.7/17

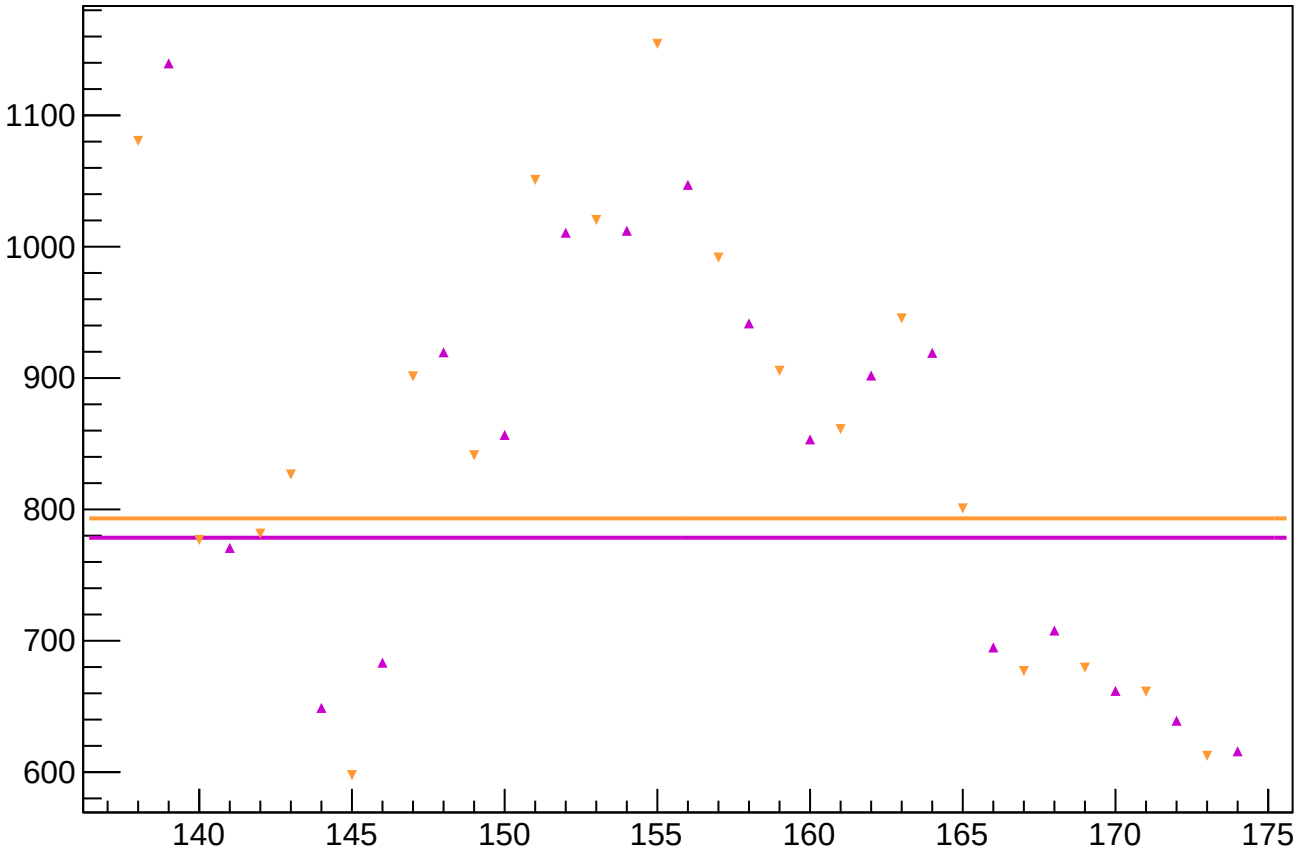
Left: -473.957+/-150.760 χ^2/NDF: 98.5/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 172.307+/-211.862 χ^2/NDF:20.7/17

Out: -1136.894+/-214.577 χ^2/NDF:59.0/18

All: -473.957+/-150.760 χ^2/NDF: 98.5/36



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: 778.453+/-0.150 χ^2/NDF:953570.5/17

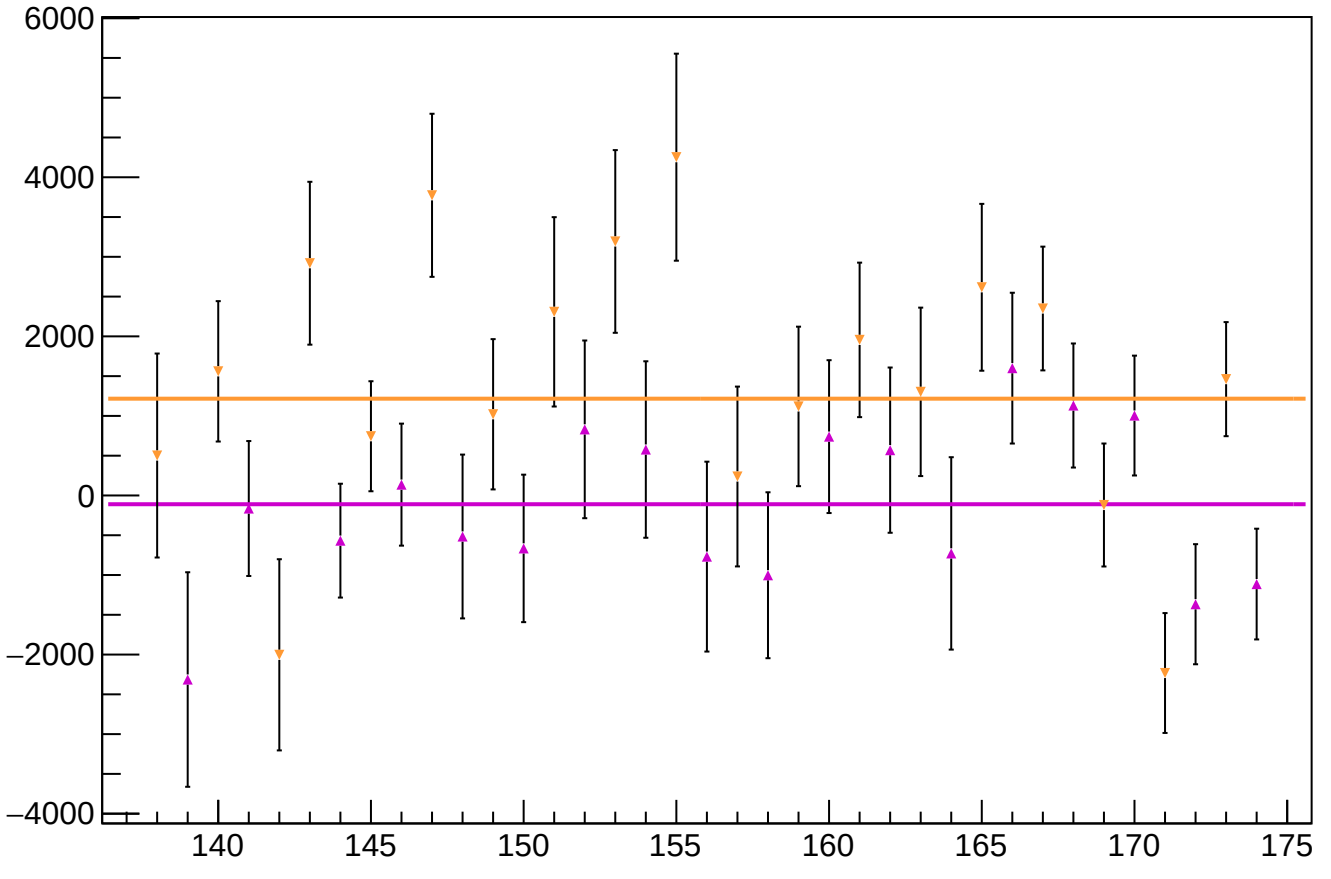
Left: 785.720+/-0.107 χ^2/NDF: 2001866.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 778.453+/-0.150 χ^2/NDF:953570.5/17

Out: 793.175+/-0.152 χ^2/NDF:1043529.2/18

All: 785.720+/-0.107 χ^2/NDF: 2001866.7/36



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: -110.155+/-213.347 χ^2/NDF:20.1/17

Left: 545.024+/-151.793 χ^2/NDF: 94.9/36

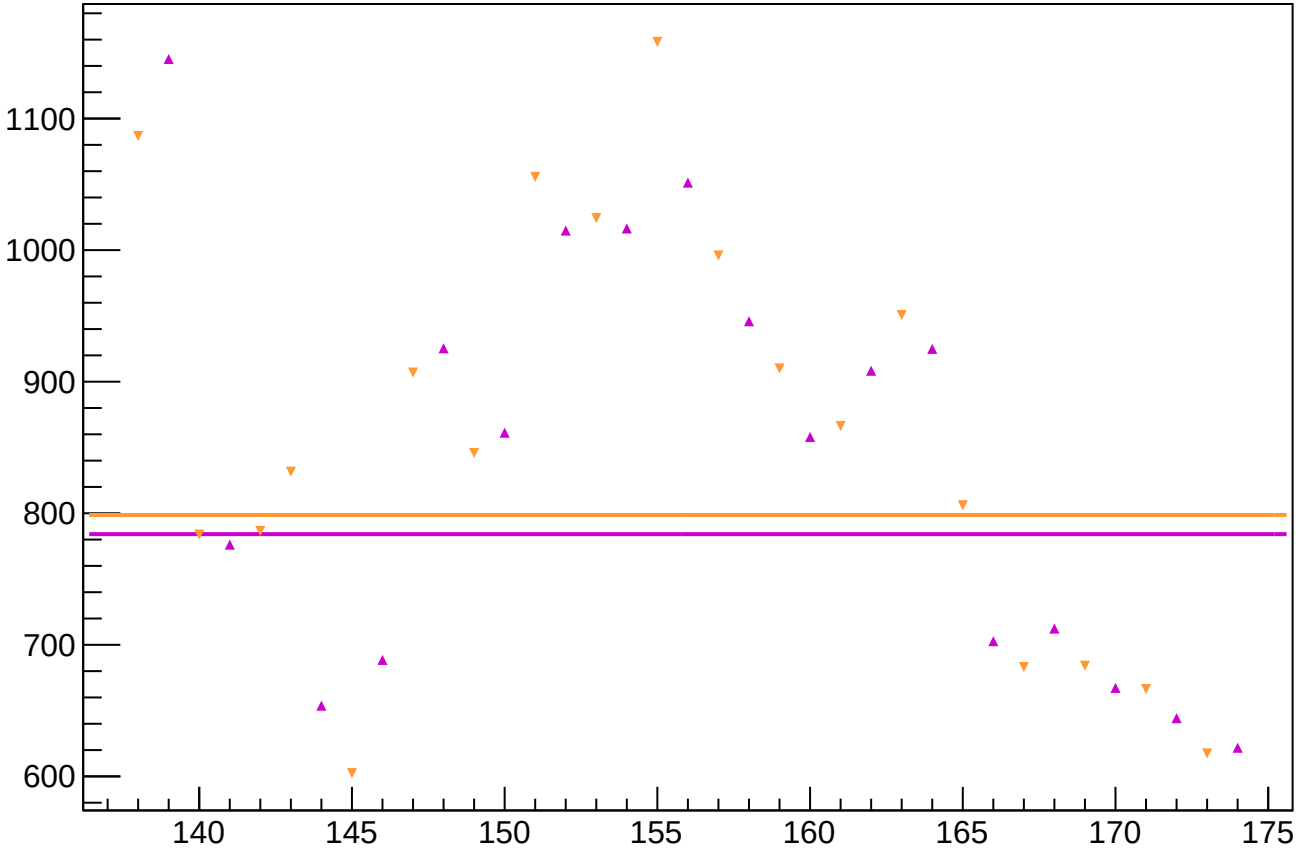
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -110.155+/-213.347 χ^2/NDF:20.1/17

Out: 1216.669+/-216.012 χ^2/NDF:55.7/18

All: 545.024+/-151.793 χ^2/NDF: 94.9/36

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: 784.135+/-0.151 χ^2/NDF:938937.7/17

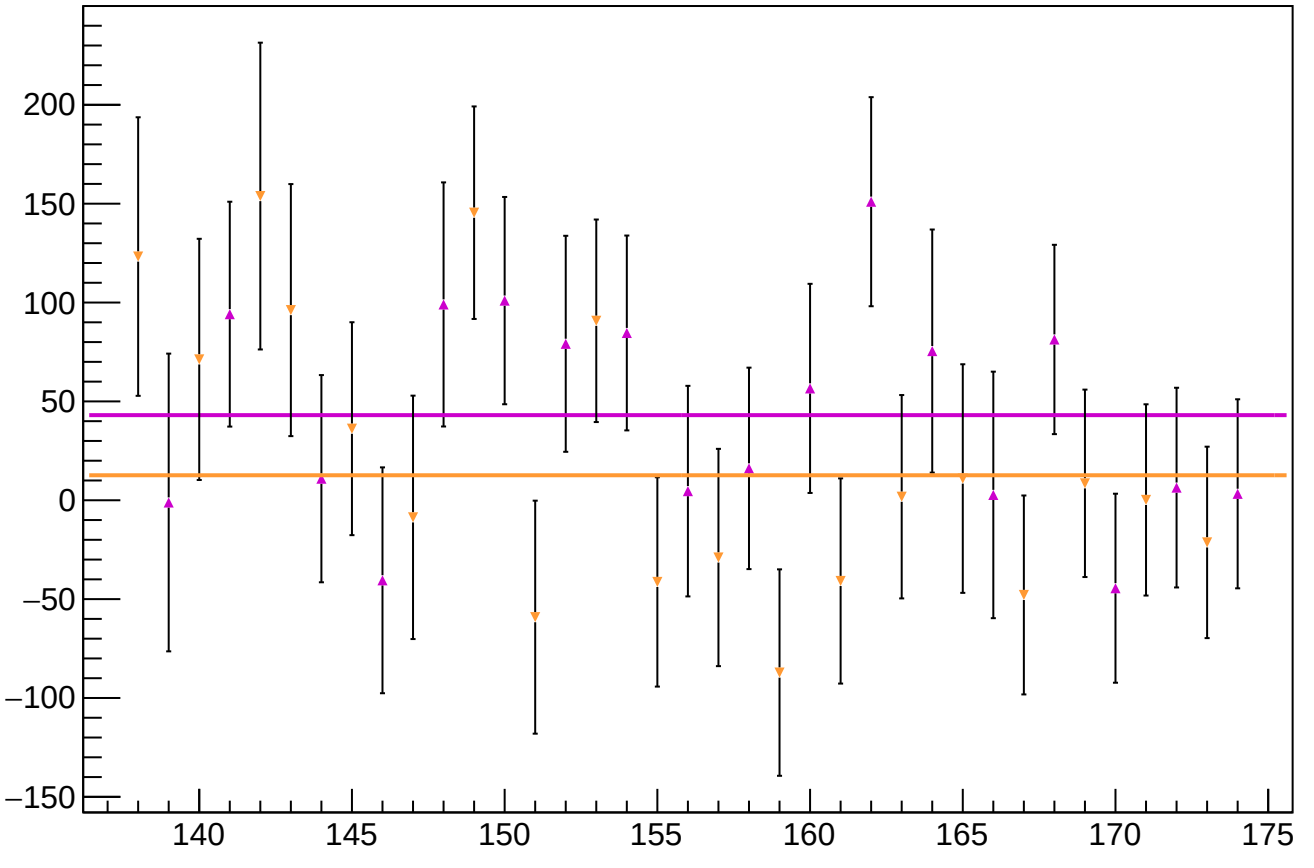
Left: 791.324+/-0.107 χ^2/NDF: 1972904.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 784.135+/-0.151 χ^2/NDF:938937.7/17

Out: 798.694+/-0.153 χ^2/NDF:1029368.3/18

All: 791.324+/-0.107 χ^2/NDF: 1972904.7/36



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

Left Out: 12.645+/-12.594 χ^2/NDF:27.0/18

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

Left In: 43.052+/-12.691 χ^2/NDF:17.8/17

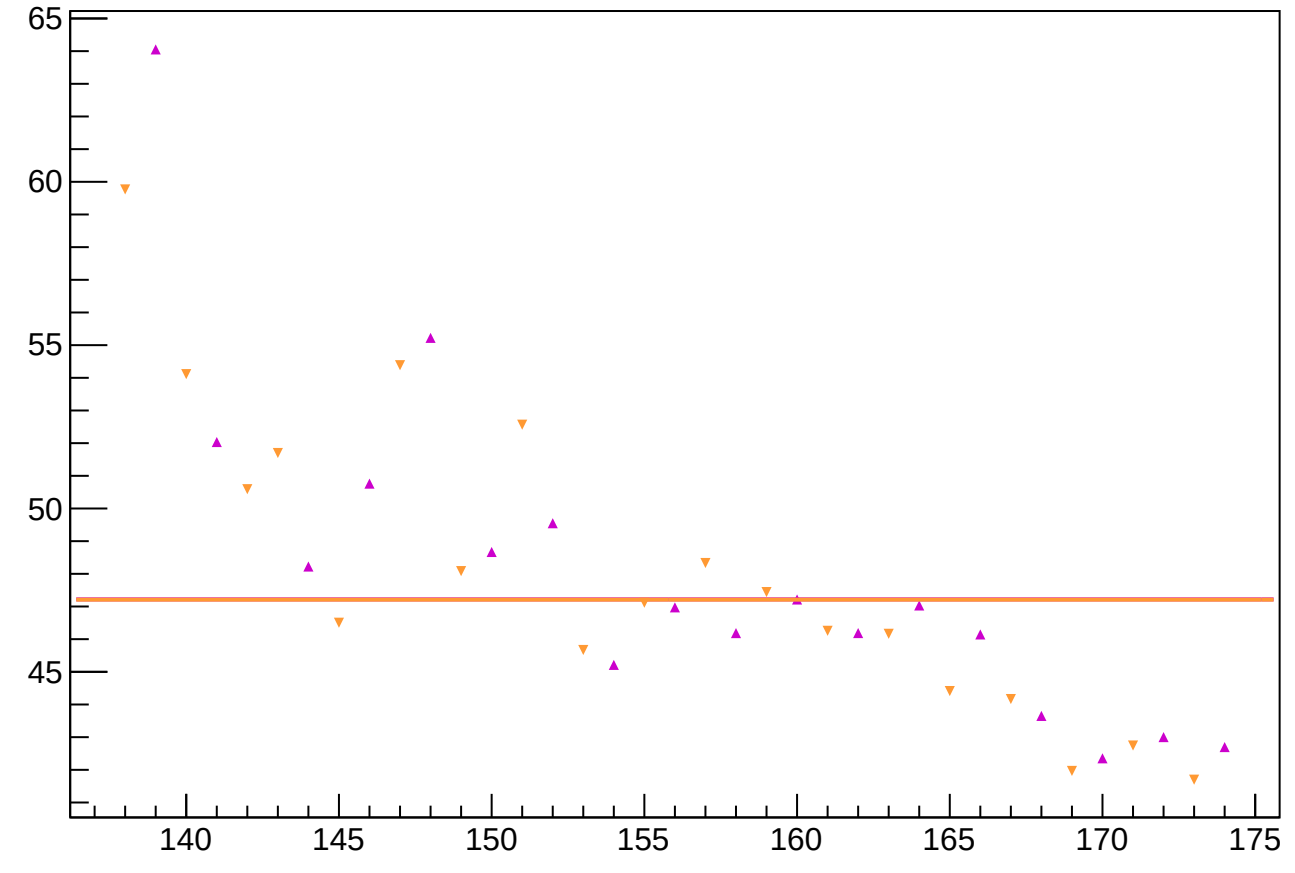
Left: 27.731+/-8.939 χ^2/NDF: 47.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 43.052+/-12.691 χ^2/NDF:17.8/17

Out: 12.645+/-12.594 χ^2/NDF:27.0/18

All: 27.731+/-8.939 χ^2/NDF: 47.7/36



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: 47.218+/-0.009 χ^2/NDF:230774.3/17

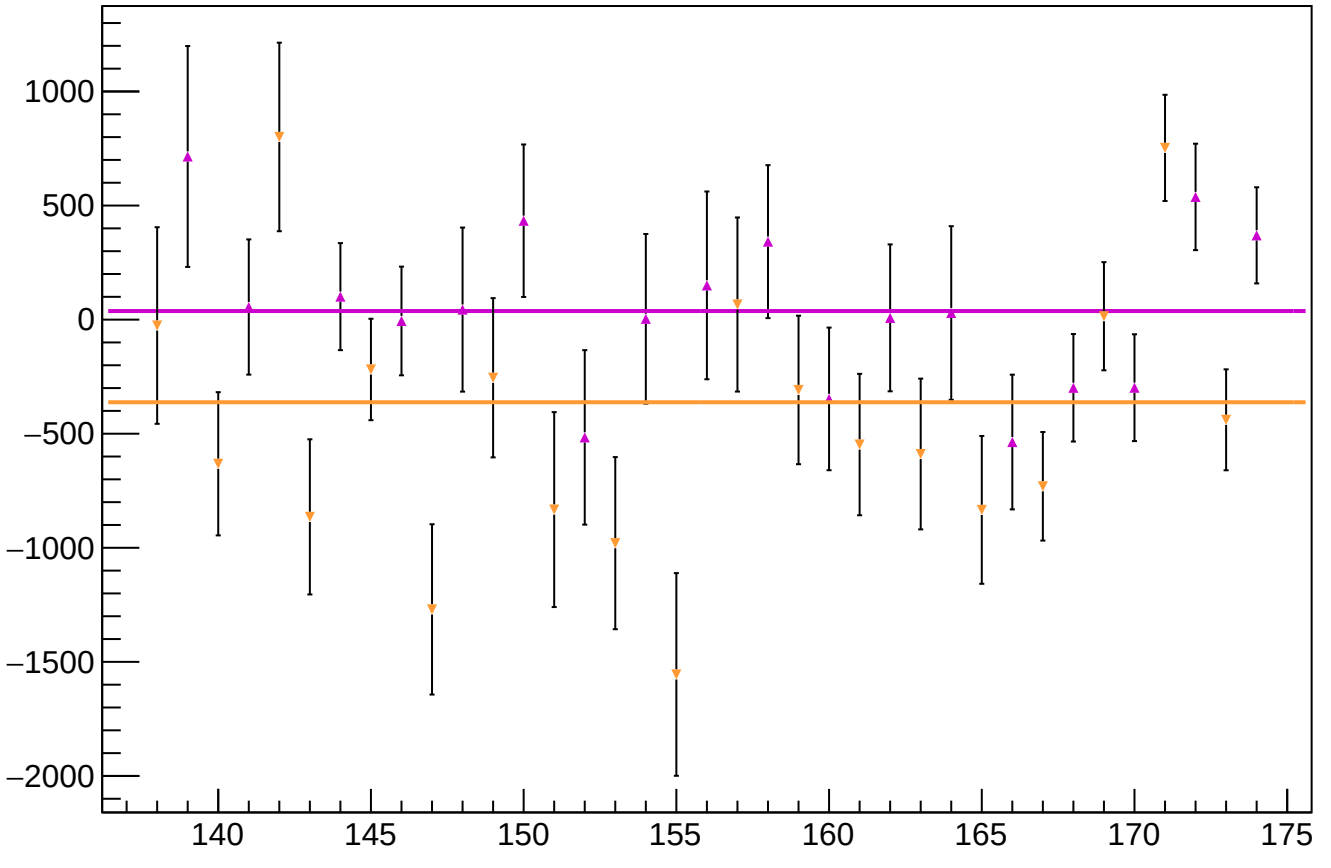
Left: 47.214+/-0.006 χ^2/NDF: 461890.1/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 47.218+/-0.009 χ^2/NDF:230774.3/17

Out: 47.210+/-0.009 χ^2/NDF:231115.4/18

All: 47.214+/-0.006 χ^2/NDF: 461890.1/36



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: 37.682+/-68.608 χ^2/NDF:23.0/17

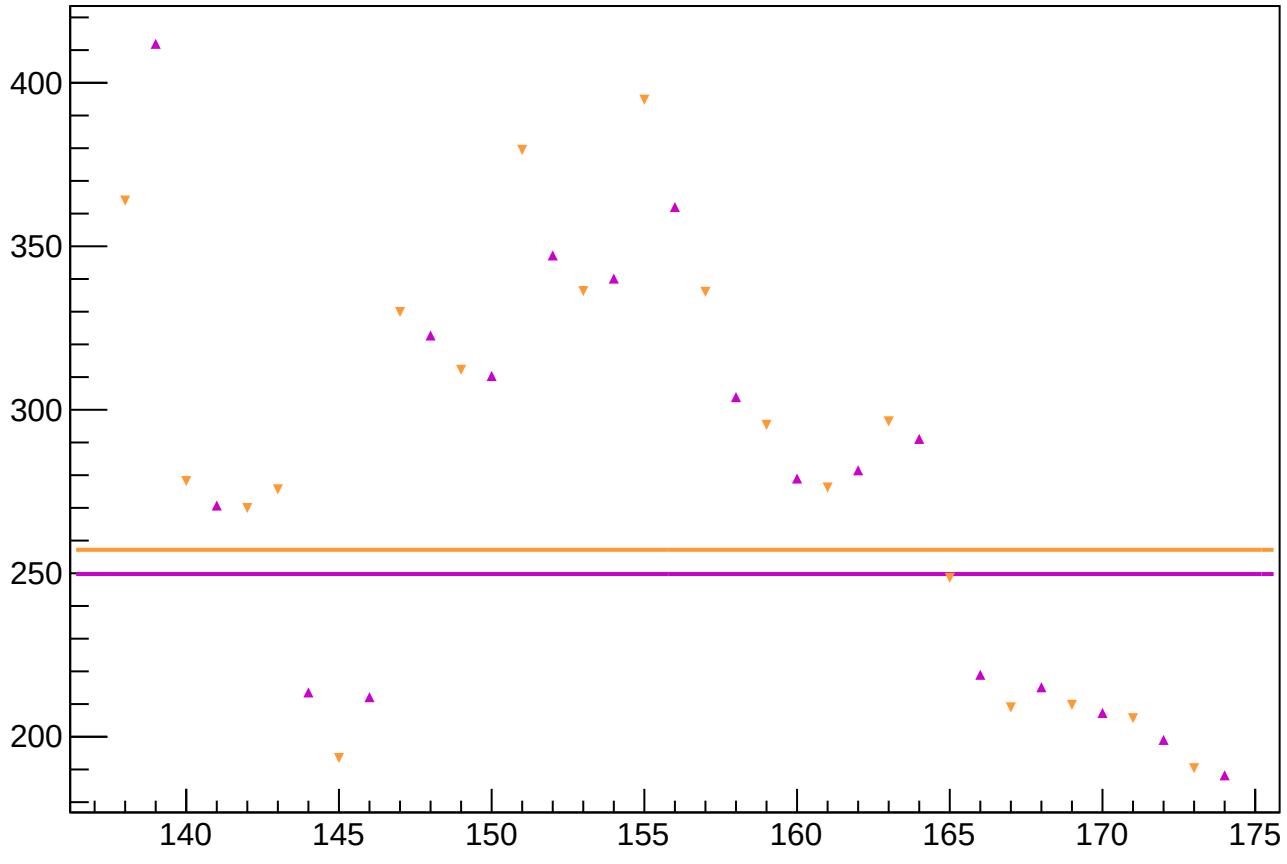
Left: -157.634+/-49.061 χ^2/NDF: 100.8/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 37.682+/-68.608 χ^2/NDF:23.0/17

Out: -362.023+/-70.184 χ^2/NDF:61.2/18

All: -157.634+/-49.061 χ^2/NDF: 100.8/36



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: 249.769+/-0.049 χ^2/NDF:1385604.8/17

Left: 253.392+/-0.035 χ^2/NDF: 2863038.4/36

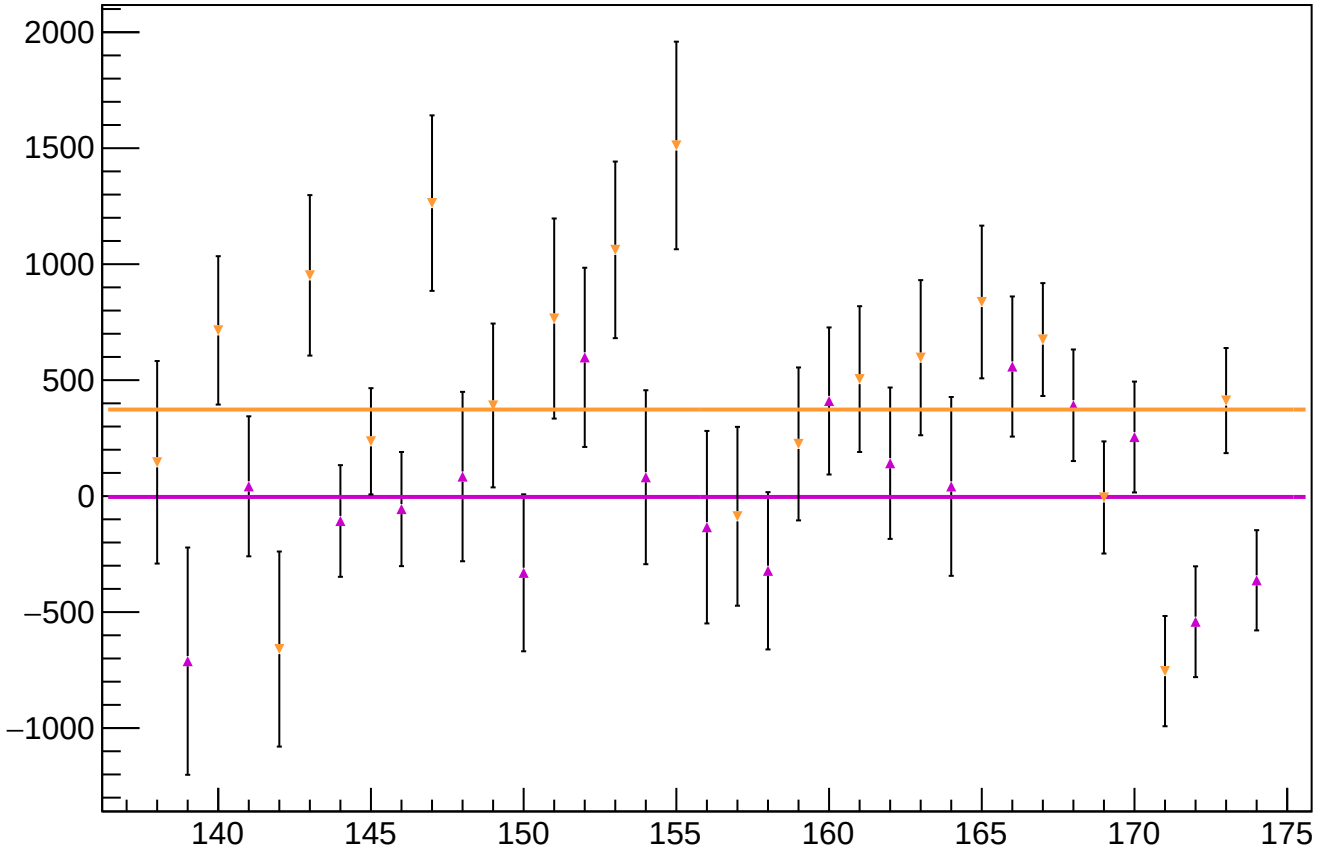
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 249.769+/-0.049 χ^2/NDF:1385604.8/17

Out: 257.183+/-0.050 χ^2/NDF:1466023.2/18

All: 253.392+/-0.035 χ^2/NDF: 2863038.4/36

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: -3.546+/-69.974 χ^2/NDF:23.9/17

Left: 180.852+/-50.000 χ^2/NDF: 95.5/36

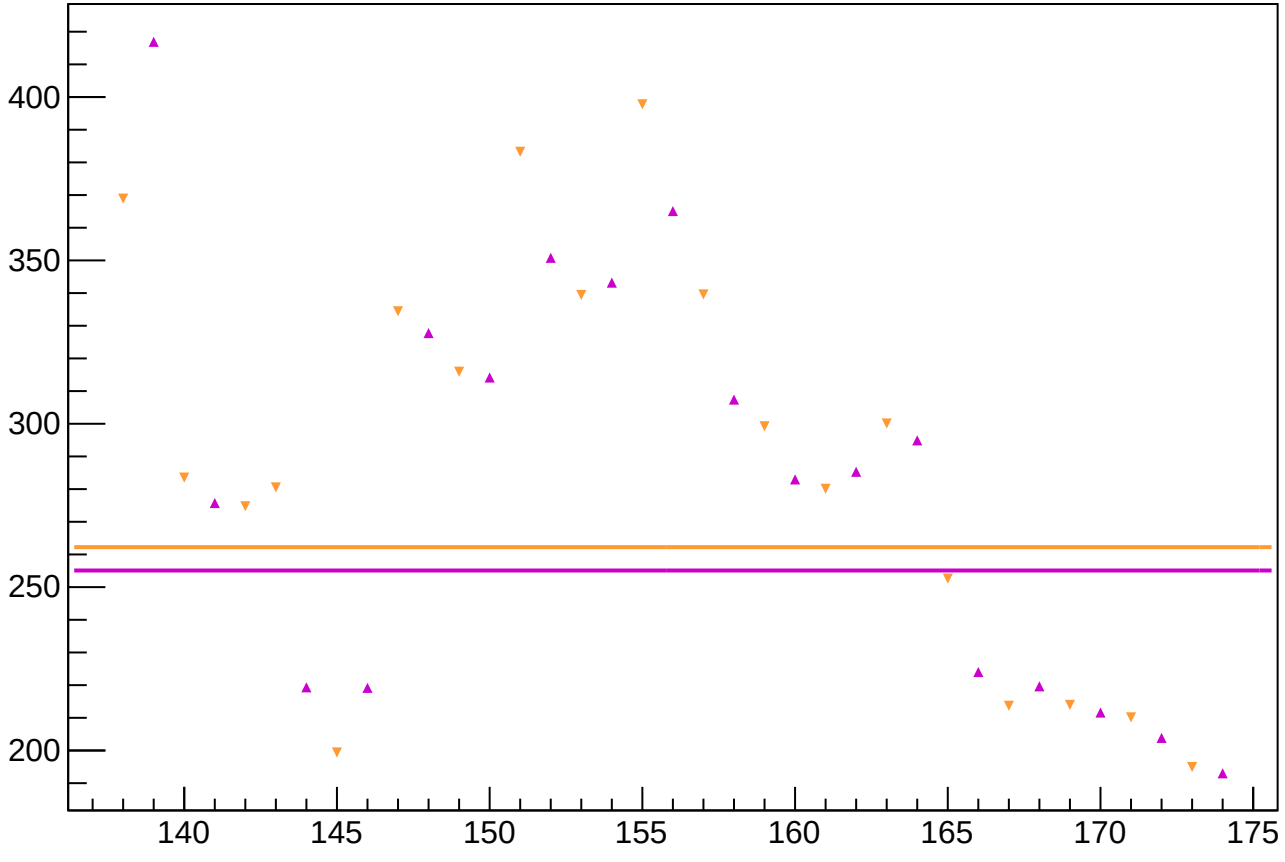
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -3.546+/-69.974 χ^2/NDF:23.9/17

Out: 373.226+/-71.471 χ^2/NDF:57.5/18

All: 180.852+/-50.000 χ^2/NDF: 95.5/36

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: 255.093+/-0.049 χ^2/NDF:1317565.8/17

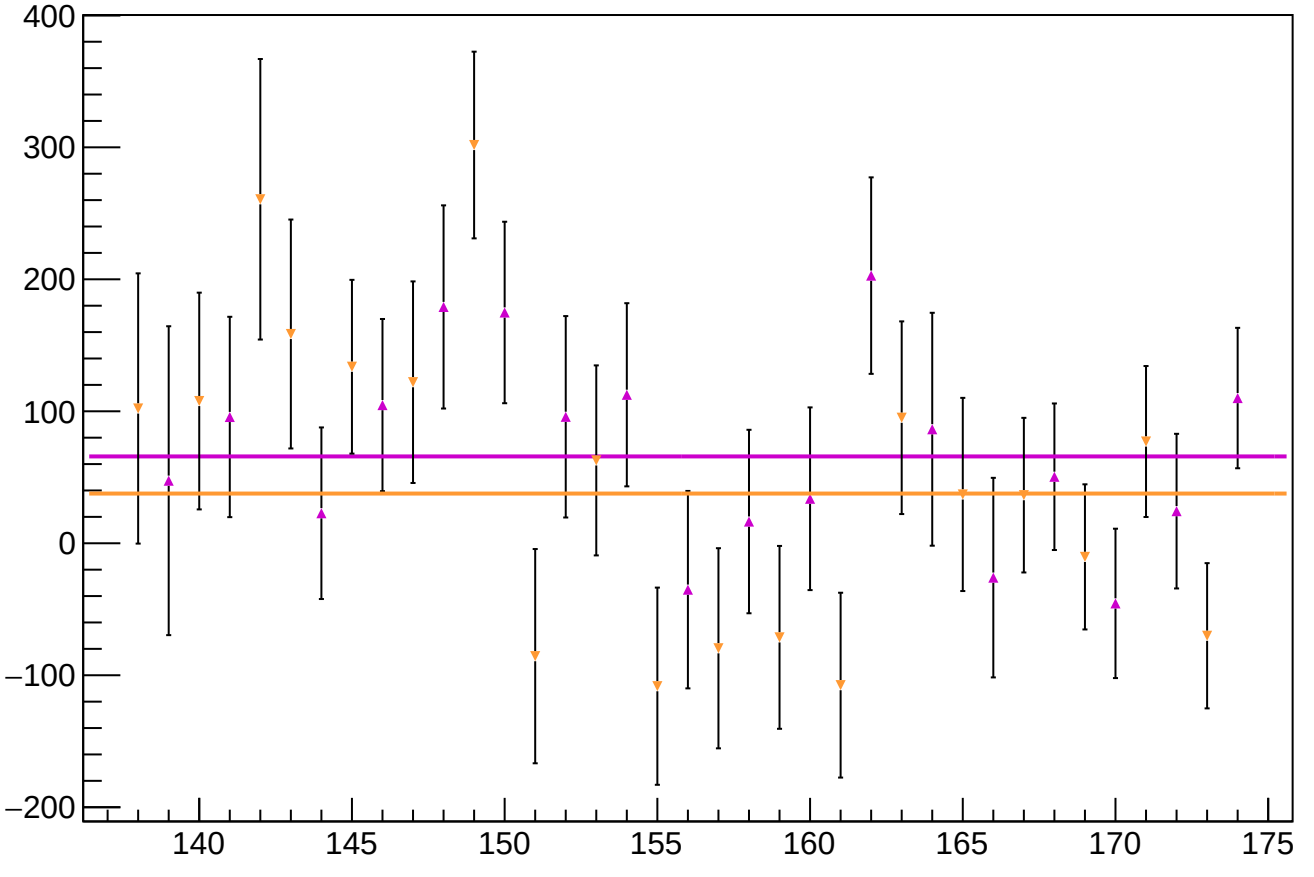
Left: 258.589+/-0.035 χ^2/NDF: 2727452.4/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 255.093+/-0.049 χ^2/NDF:1317565.8/17

Out: 262.237+/-0.051 χ^2/NDF:1399681.1/18

All: 258.589+/-0.035 χ^2/NDF: 2727452.4/36



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: 65.800+/-16.142 χ^2/NDF:18.9/17

Left: 51.784+/-11.435 χ^2/NDF: 66.2/36

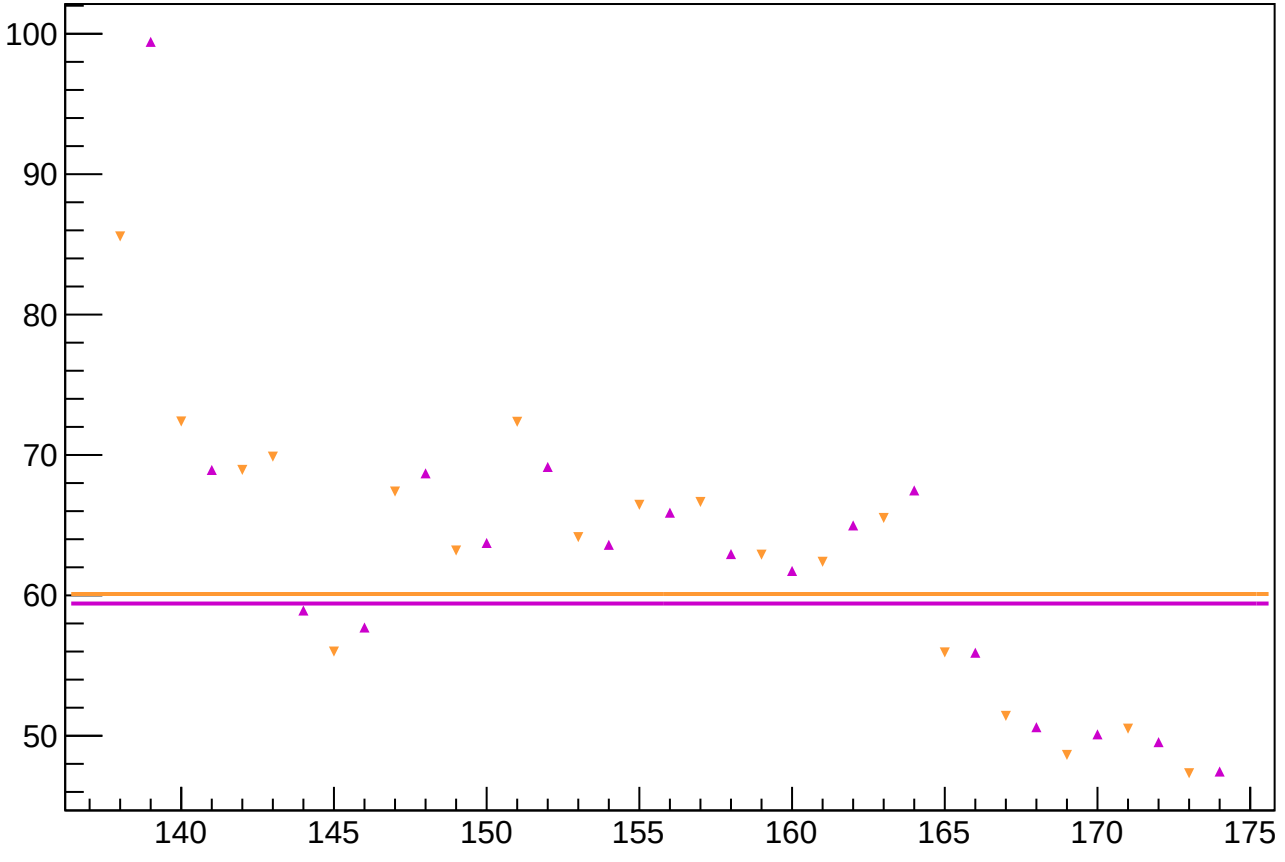
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 65.800+/-16.142 χ^2/NDF:18.9/17

Out: 37.666+/-16.200 χ^2/NDF:45.9/18

All: 51.784+/-11.435 χ^2/NDF: 66.2/36

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: 59.419+/-0.011 χ^2/NDF:660421.3/17

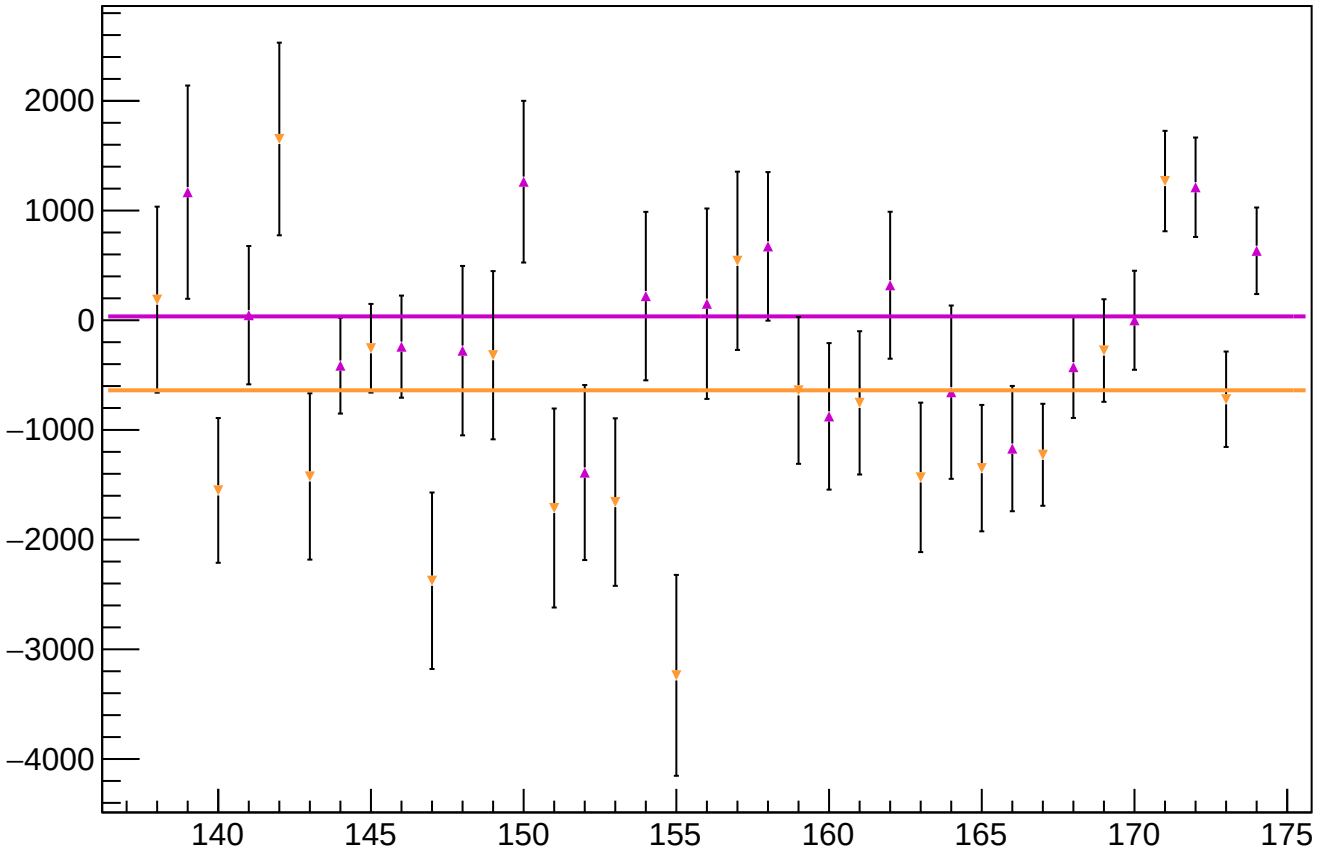
Left: 59.758+/-0.008 χ^2/NDF: 1298959.8/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 59.419+/-0.011 χ^2/NDF:660421.3/17

Out: 60.098+/-0.011 χ^2/NDF:636776.5/18

All: 59.758+/-0.008 χ^2/NDF: 1298959.8/36



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: 35.121+/-136.455 χ^2/NDF:27.2/17

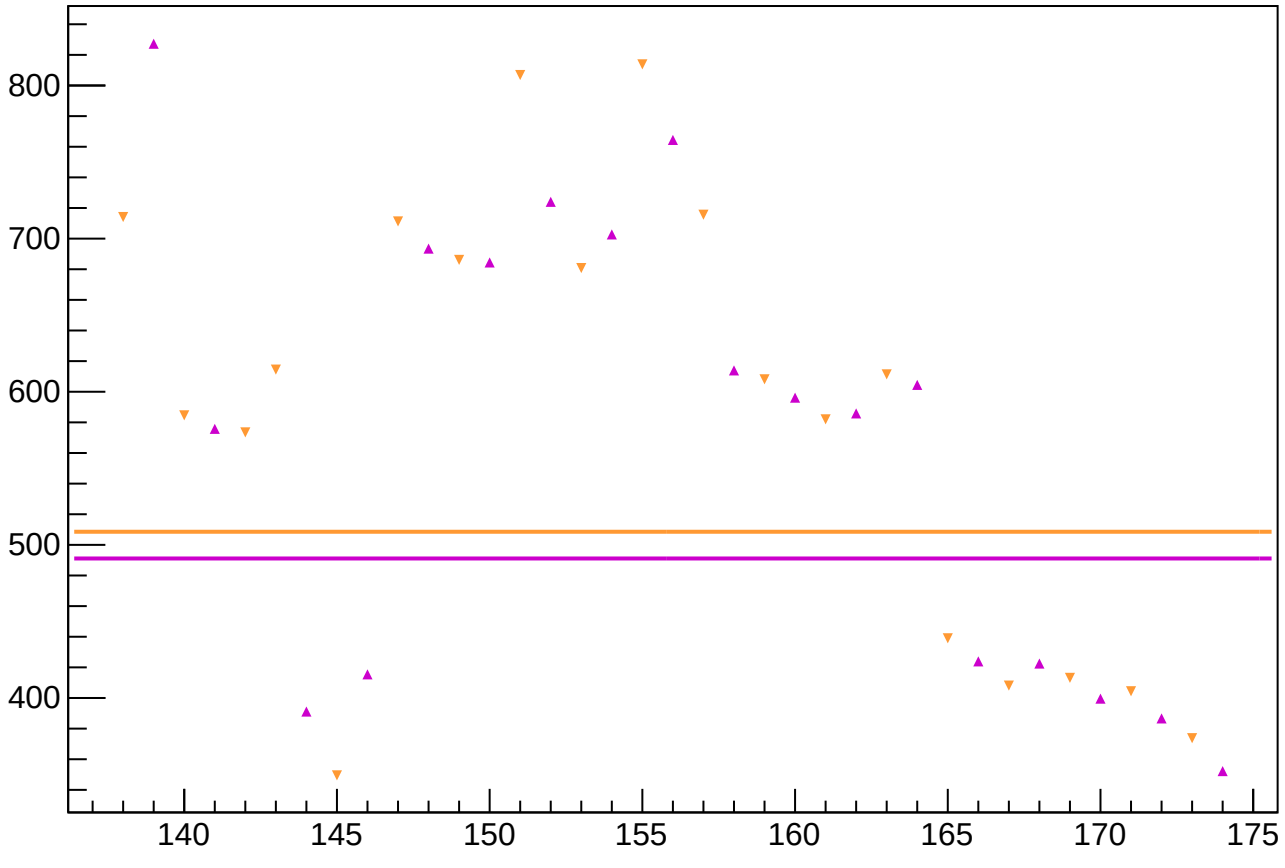
Left: -292.156+/-97.853 χ^2/NDF: 91.3/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 35.121+/-136.455 χ^2/NDF:27.2/17

Out: -638.634+/-140.400 χ^2/NDF:52.3/18

All: -292.156+/-97.853 χ^2/NDF: 91.3/36



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: 491.107+/-0.096 χ^2/NDF:1932419.0/17

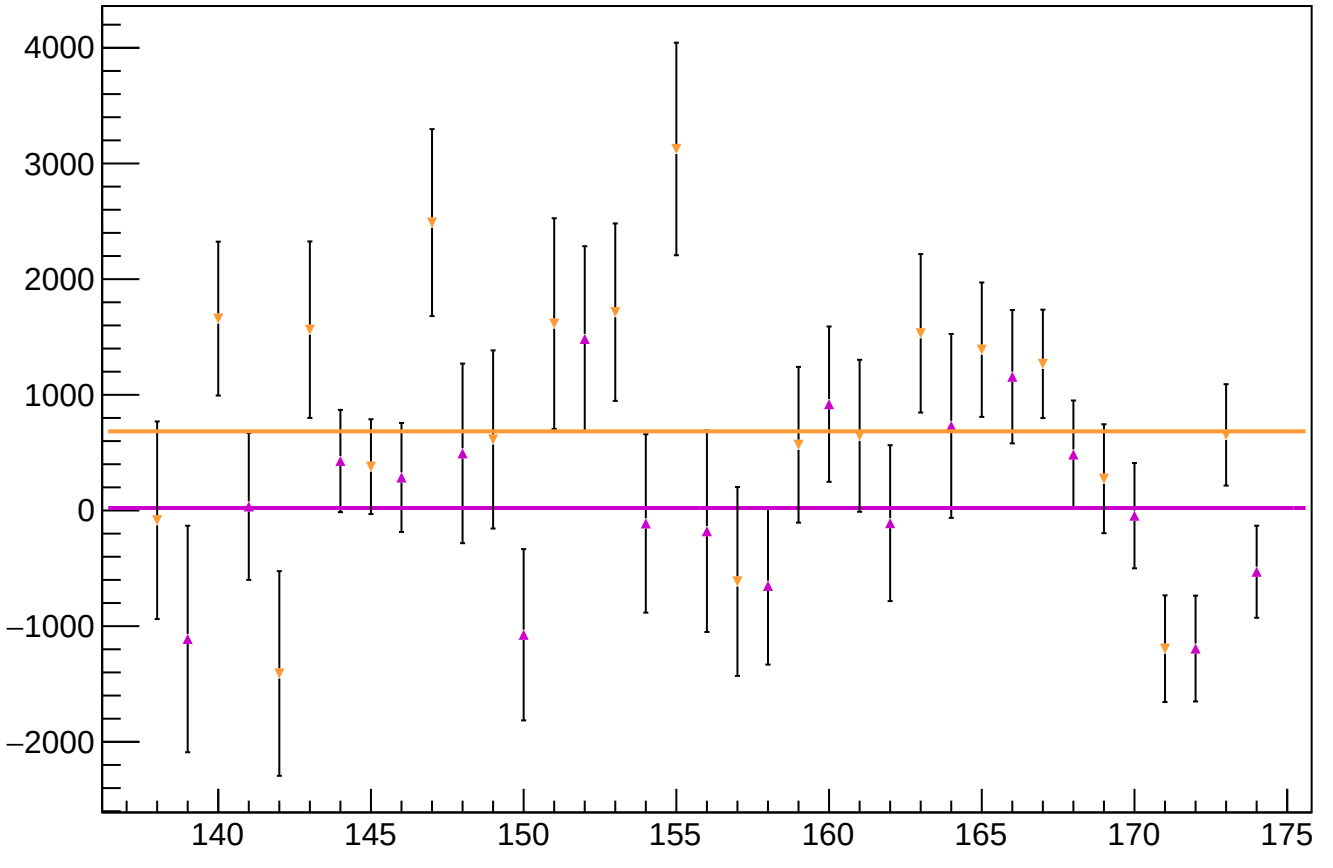
Left: 499.589+/-0.069 χ^2/NDF: 3973000.8/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 491.107+/-0.096 χ^2/NDF:1932419.0/17

Out: 508.567+/-0.099 χ^2/NDF:2024675.9/18

All: 499.589+/-0.069 χ^2/NDF: 3973000.8/36



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: 21.515+/-137.551 χ^2/NDF:25.9/17

Left: 343.629+/-98.620 χ^2/NDF: 87.0/36

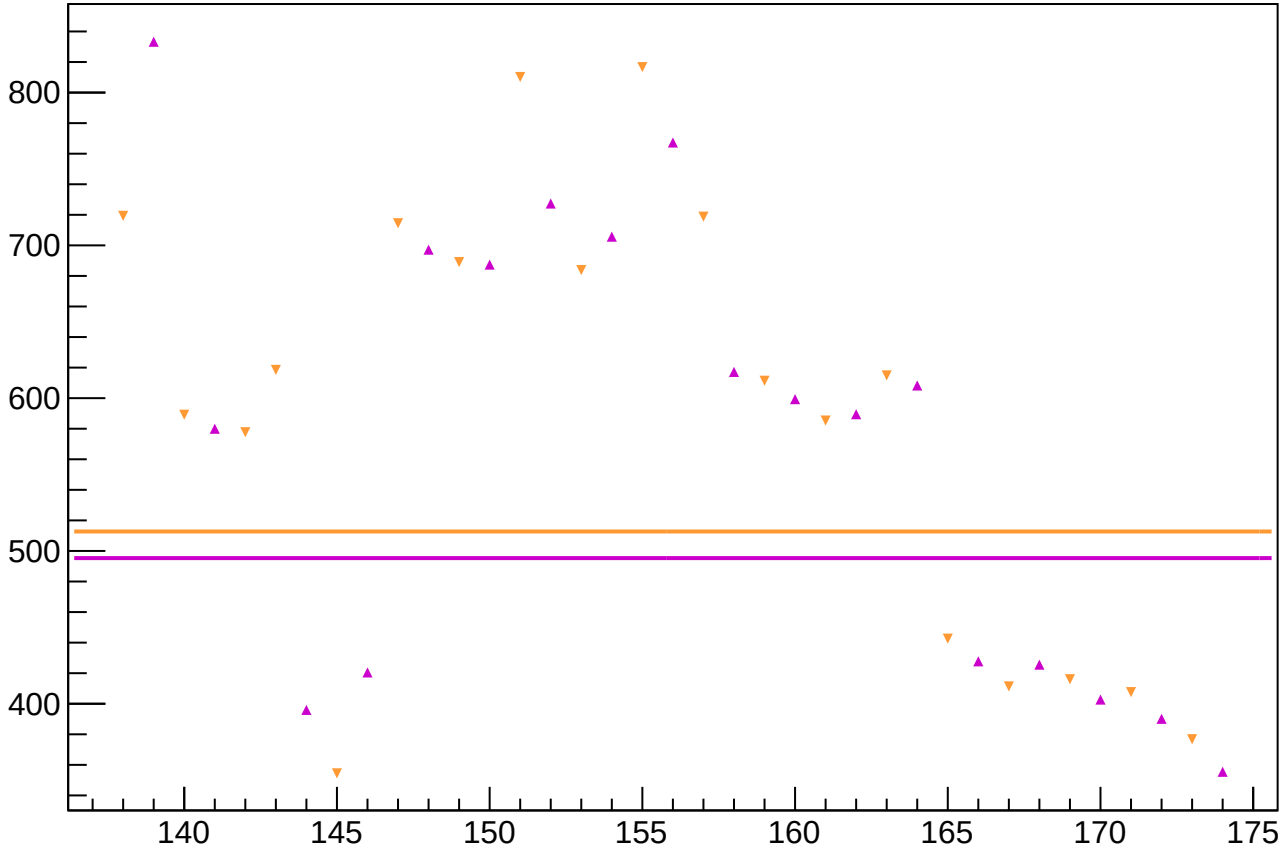
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 21.515+/-137.551 χ^2/NDF:25.9/17

Out: 684.363+/-141.470 χ^2/NDF:49.8/18

All: 343.629+/-98.620 χ^2/NDF: 87.0/36

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: 495.324+/-0.097 χ^2/NDF:1905308.4/17

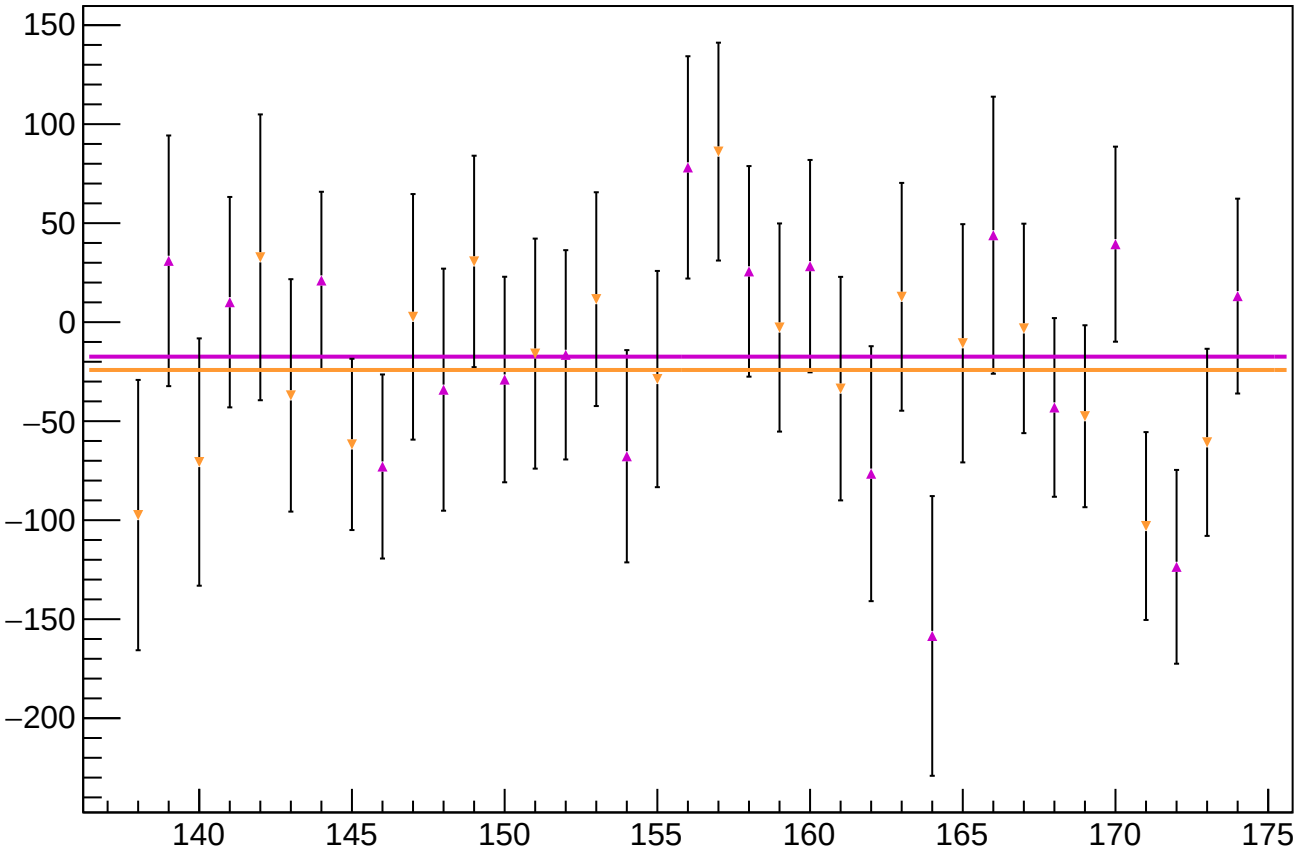
Left: 503.785+/-0.070 χ^2/NDF: 3915202.5/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 495.324+/-0.097 χ^2/NDF:1905308.4/17

Out: 512.735+/-0.100 χ^2/NDF:1994322.2/18

All: 503.785+/-0.070 χ^2/NDF: 3915202.5/36



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: -17.418+/-12.590 χ^2/NDF:20.6/17

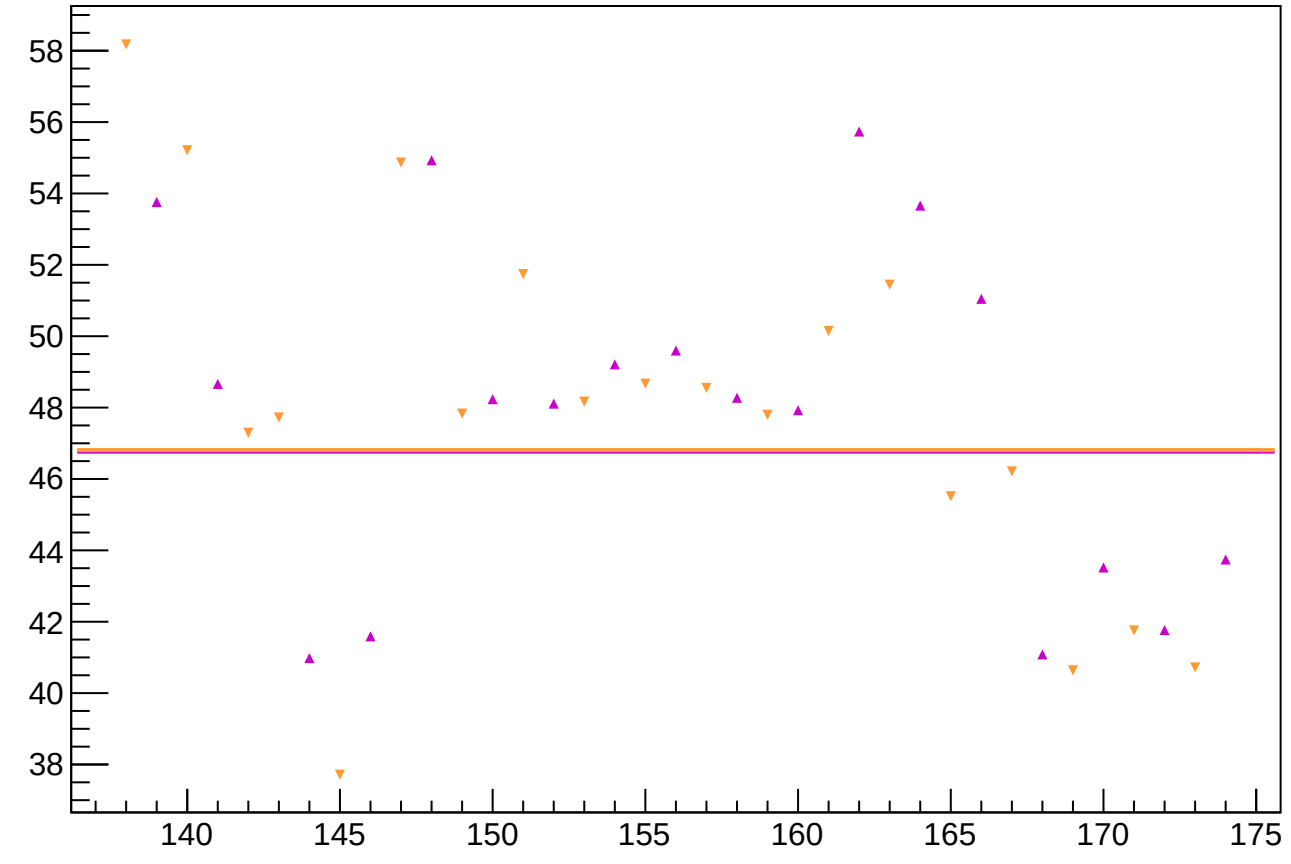
Left: -20.801+/-8.877 χ^2/NDF: 34.1/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -17.418+/-12.590 χ^2/NDF:20.6/17

Out: -24.145+/-12.517 χ^2/NDF:13.3/18

All: -20.801+/-8.877 χ^2/NDF: 34.1/36



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: 46.766+/-0.009 χ^2/NDF:269711.9/17

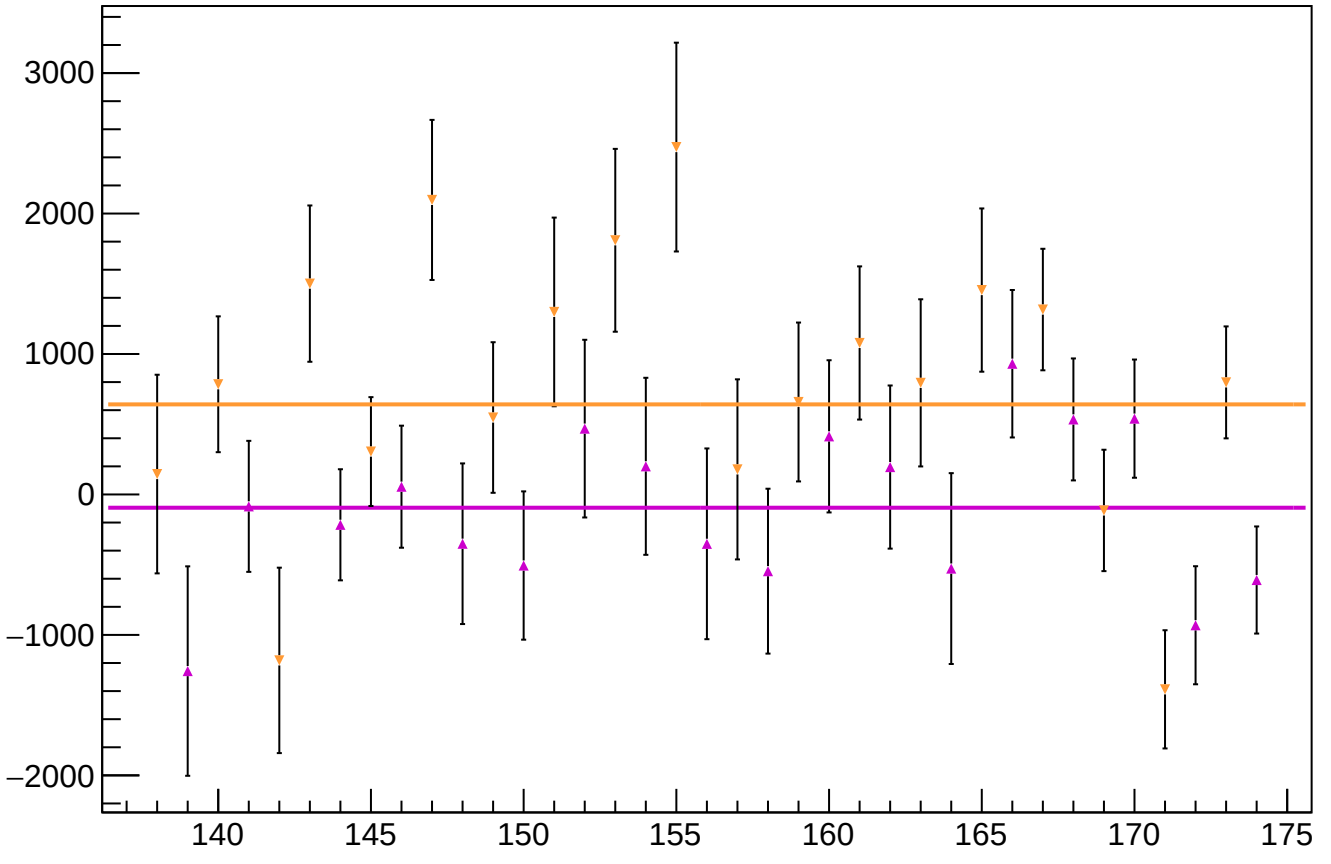
Left: 46.788+/-0.006 χ^2/NDF: 618860.3/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 46.766+/-0.009 χ^2/NDF:269711.9/17

Out: 46.810+/-0.009 χ^2/NDF:349135.8/18

All: 46.788+/-0.006 χ^2/NDF: 618860.3/36



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

Left Out: 641.273+/-120.596 χ^2/NDF:60.2/18

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

Left In: -94.459+/-119.114 χ^2/NDF:20.7/17

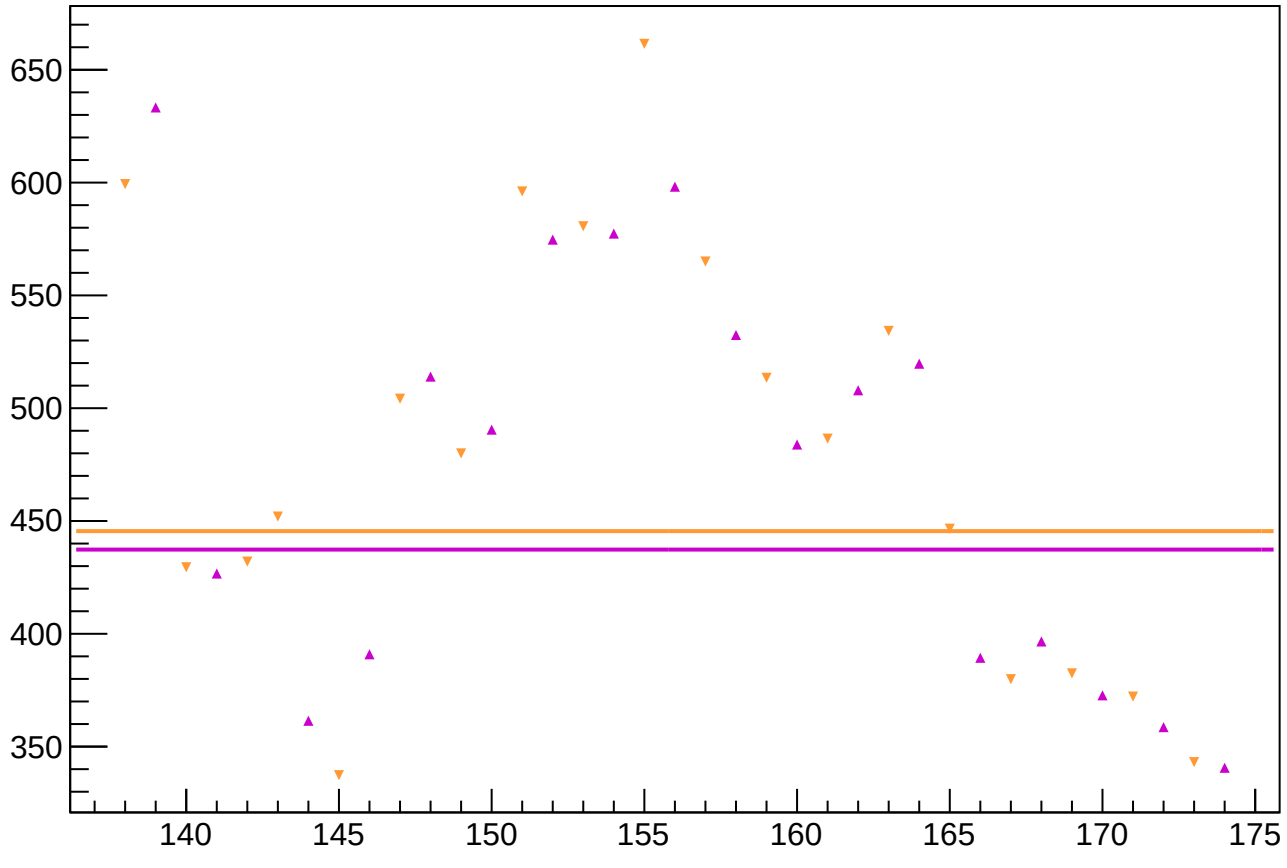
Left: 268.859+/-84.746 χ^2/NDF: 99.8/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -94.459+/-119.114 χ^2/NDF:20.7/17

Out: 641.273+/-120.596 χ^2/NDF:60.2/18

All: 268.859+/-84.746 χ^2/NDF: 99.8/36



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: 437.332+/-0.084 χ^2/NDF:1003806.5/17

Left: 441.374+/-0.060 χ^2/NDF: 2082937.3/36

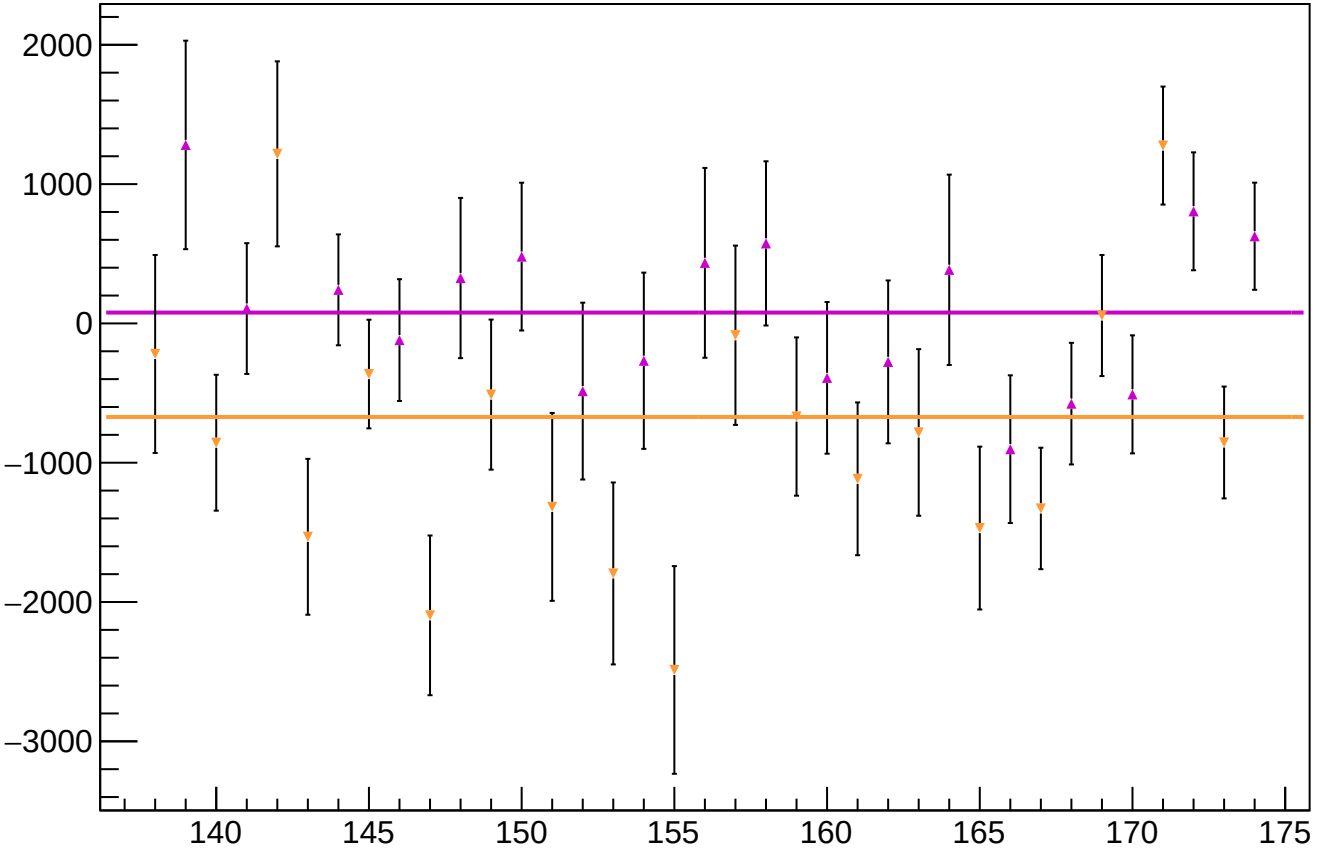
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 437.332+/-0.084 χ^2/NDF:1003806.5/17

Out: 445.516+/-0.085 χ^2/NDF:1074468.2/18

All: 441.374+/-0.060 χ^2/NDF: 2082937.3/36

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: 77.922+/-119.850 χ^2/NDF:19.7/17

Left: -292.282+/-85.258 χ^2/NDF: 96.5/36

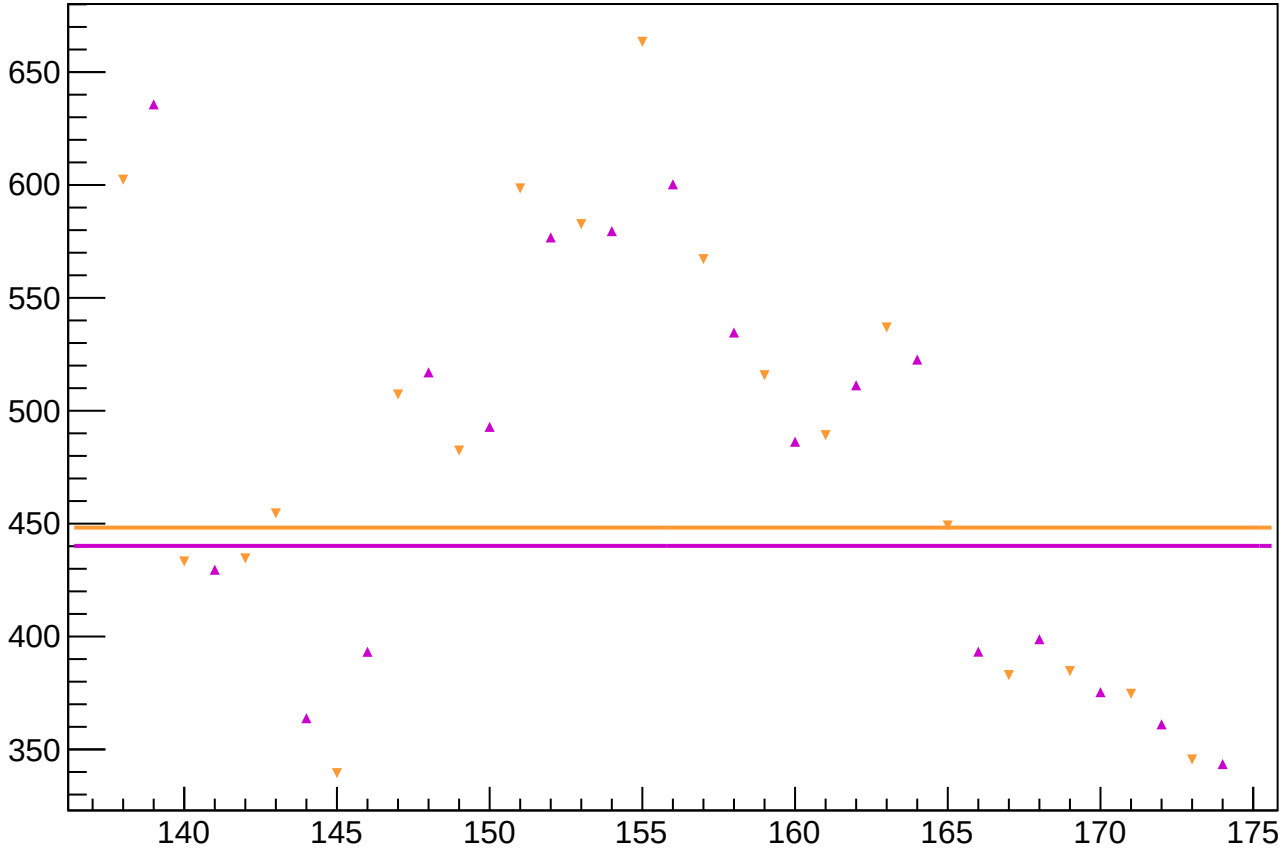
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 77.922+/-119.850 χ^2/NDF:19.7/17

Out: -671.548+/-121.308 χ^2/NDF:57.5/18

All: -292.282+/-85.258 χ^2/NDF: 96.5/36

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: 440.147+/-0.085 χ^2/NDF:990810.4/17

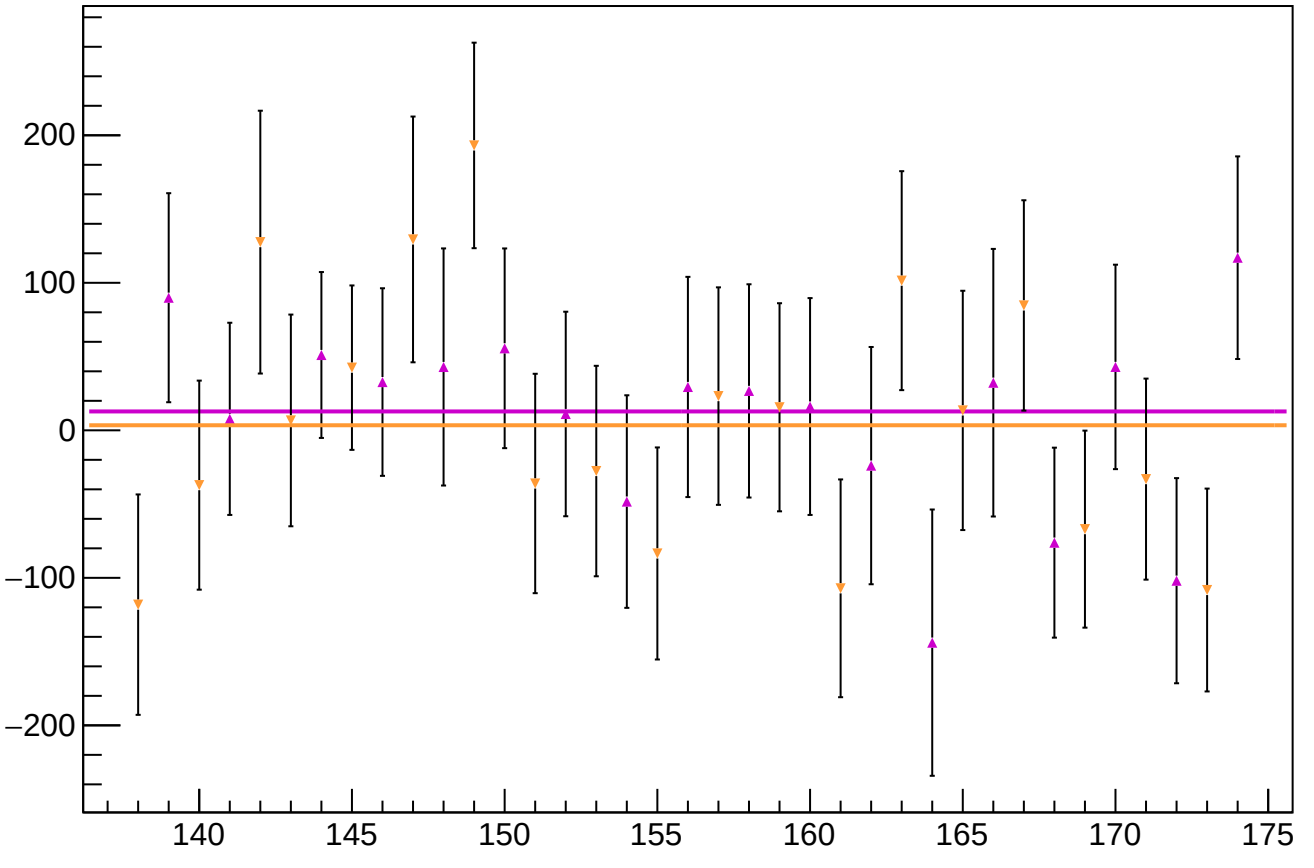
Left: 444.150+/-0.060 χ^2/NDF: 2058437.6/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 440.147+/-0.085 χ^2/NDF:990810.4/17

Out: 448.251+/-0.086 χ^2/NDF:1063110.4/18

All: 444.150+/-0.060 χ^2/NDF: 2058437.6/36



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

Left Out: 3.435+/-16.459 χ^2/NDF:26.5/18

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

Left In: 12.800+/-16.677 χ^2/NDF:13.5/17

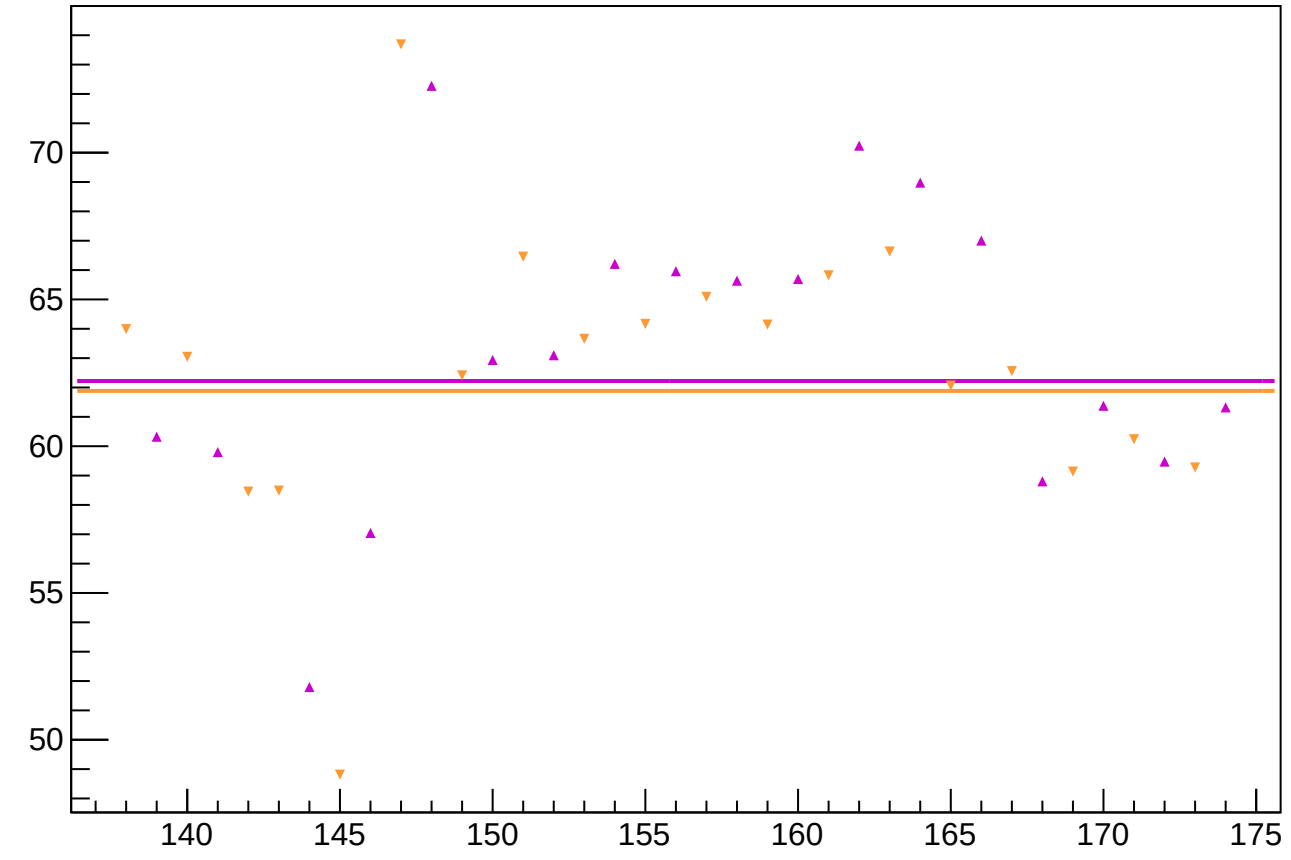
Left: 8.056+/-11.714 χ^2/NDF: 40.1/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 12.800+/-16.677 χ^2/NDF:13.5/17

Out: 3.435+/-16.459 χ^2/NDF:26.5/18

All: 8.056+/-11.714 χ^2/NDF: 40.1/36



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: 62.221+/-0.012 χ^2/NDF:184215.8/17

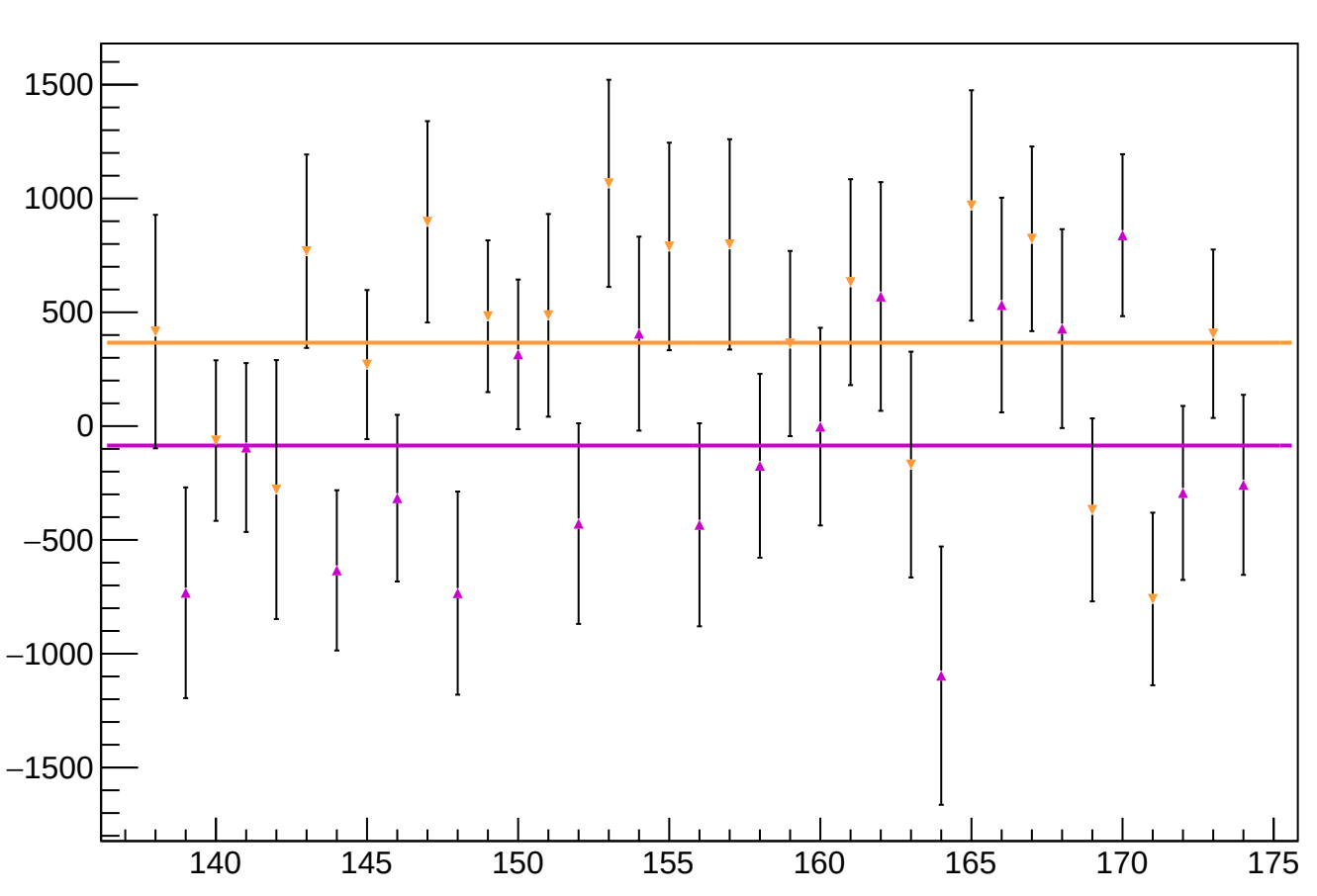
Left: 62.050+/-0.008 χ^2/NDF: 382692.0/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 62.221+/-0.012 χ^2/NDF:184215.8/17

Out: 61.884+/-0.012 χ^2/NDF:198061.3/18

All: 62.050+/-0.008 χ^2/NDF: 382692.0/36



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: -85.497+/-96.767 χ^2/NDF:26.2/17

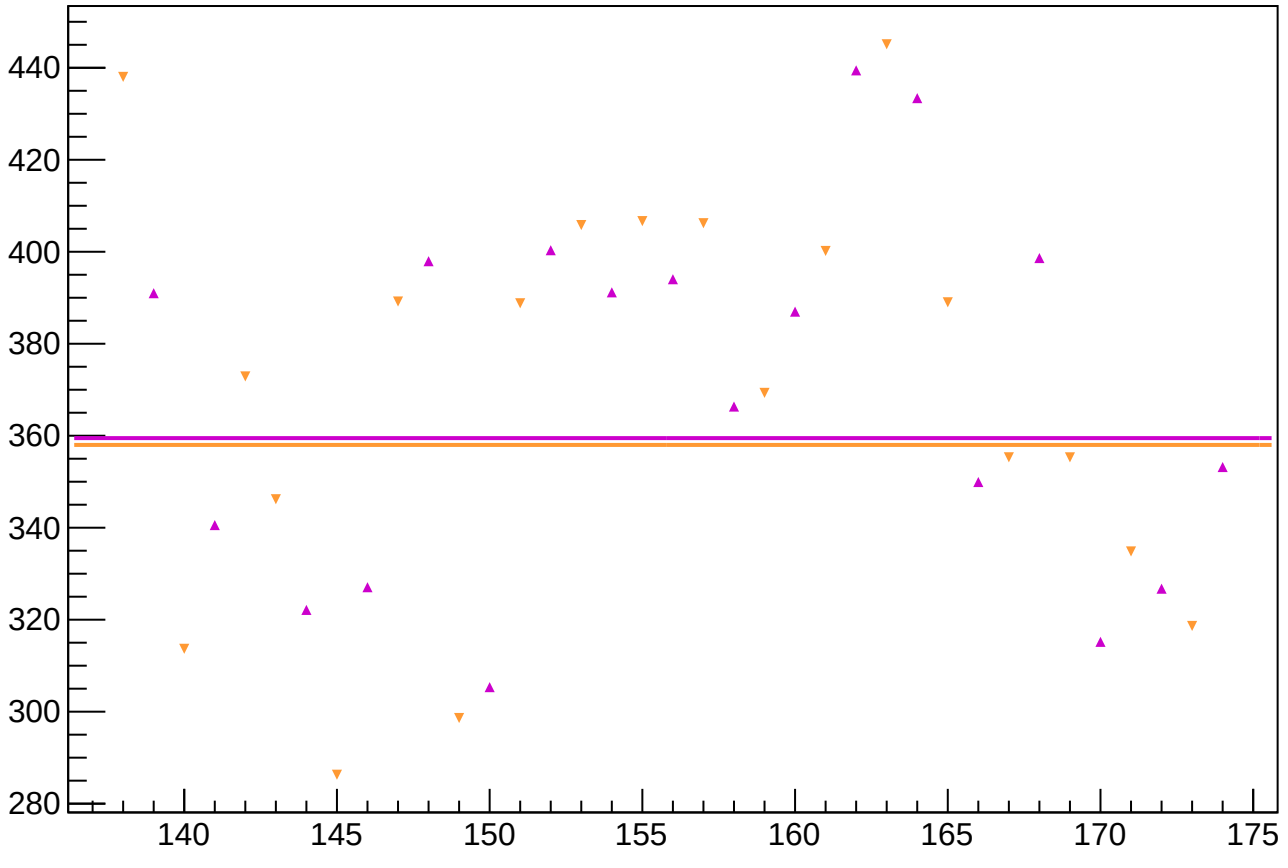
Left: 142.457+/-68.122 χ^2/NDF: 63.1/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -85.497+/-96.767 χ^2/NDF:26.2/17

Out: 366.418+/-95.916 χ^2/NDF:25.9/18

All: 142.457+/-68.122 χ^2/NDF: 63.1/36



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: 359.480+/-0.068 χ^2/NDF:318277.1/17

Left: 358.733+/-0.048 χ^2/NDF: 765483.8/36

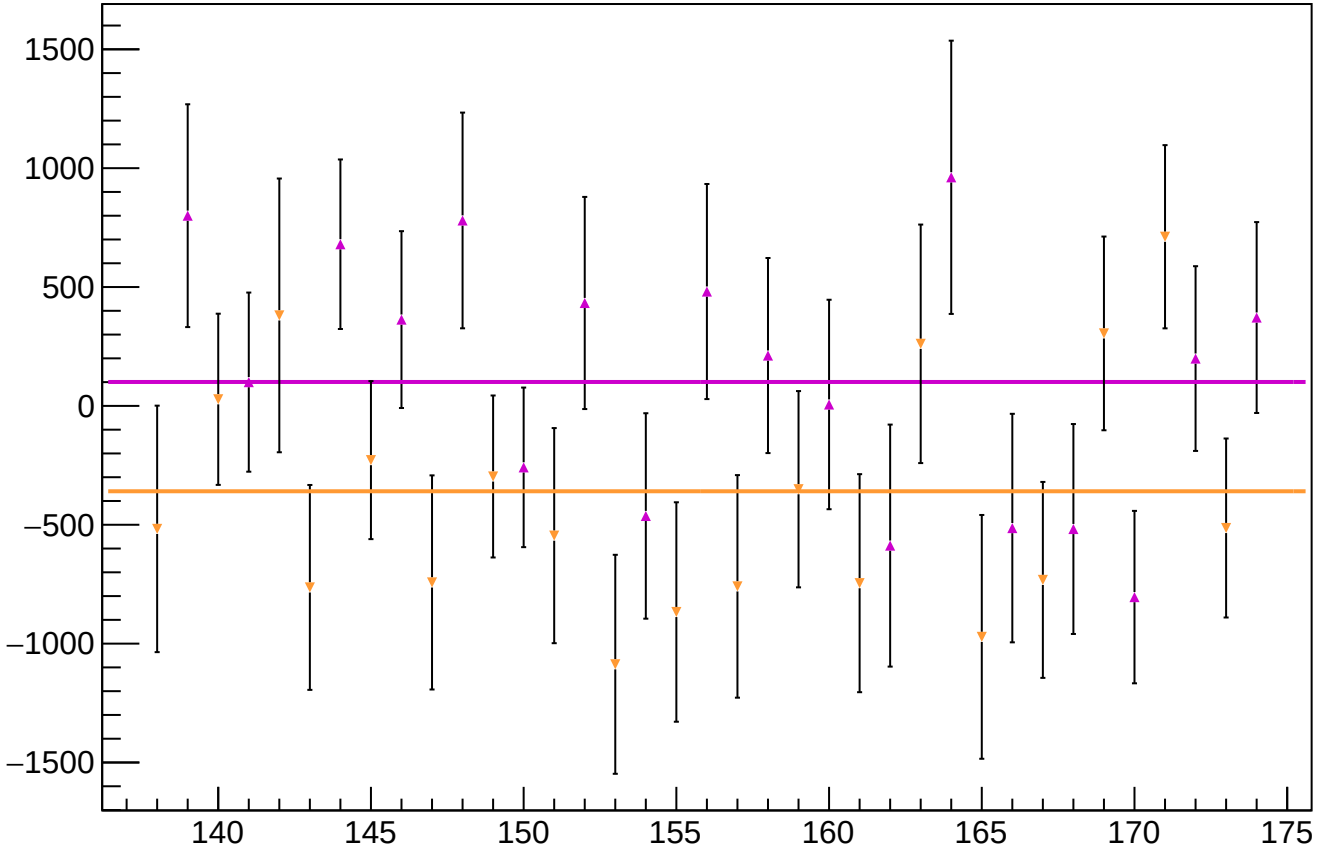
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 359.480+/-0.068 χ^2/NDF:318277.1/17

Out: 358.000+/-0.068 χ^2/NDF:446970.6/18

All: 358.733+/-0.048 χ^2/NDF: 765483.8/36

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -359.094+/-97.408 χ^2/NDF:24.3/18

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

Left In: 100.644+/-98.268 χ^2/NDF:26.3/17

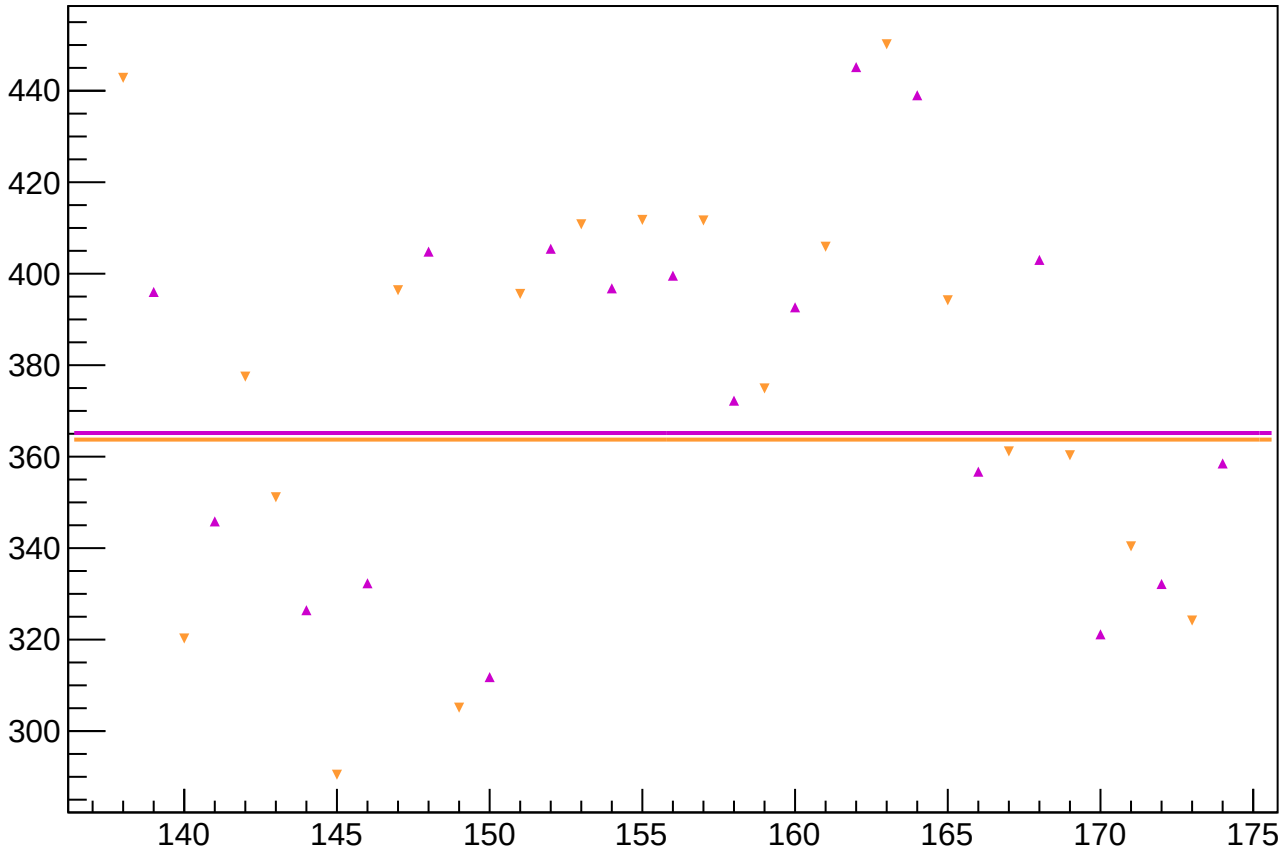
Left: -131.246+/-69.180 χ^2/NDF: 61.6/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 100.644+/-98.268 χ^2/NDF:26.3/17

Out: -359.094+/-97.408 χ^2/NDF:24.3/18

All: -131.246+/-69.180 χ^2/NDF: 61.6/36



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: 365.171+/-0.069 χ^2/NDF:308119.1/17

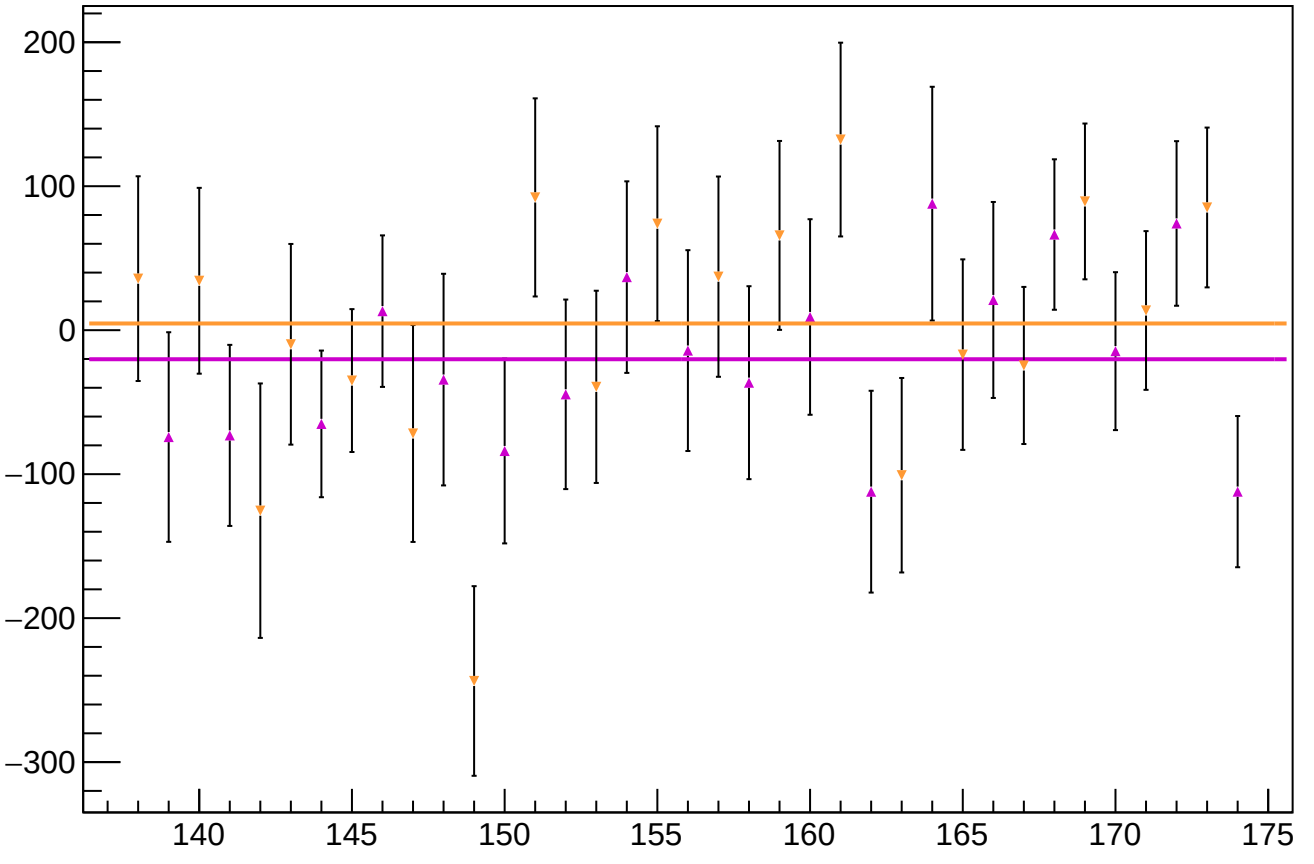
Left: 364.443+/-0.049 χ^2/NDF: 741691.8/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 365.171+/-0.069 χ^2/NDF:308119.1/17

Out: 363.728+/-0.069 χ^2/NDF:433355.1/18

All: 364.443+/-0.049 χ^2/NDF: 741691.8/36



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: -20.184+/-14.654 χ^2/NDF:17.0/17

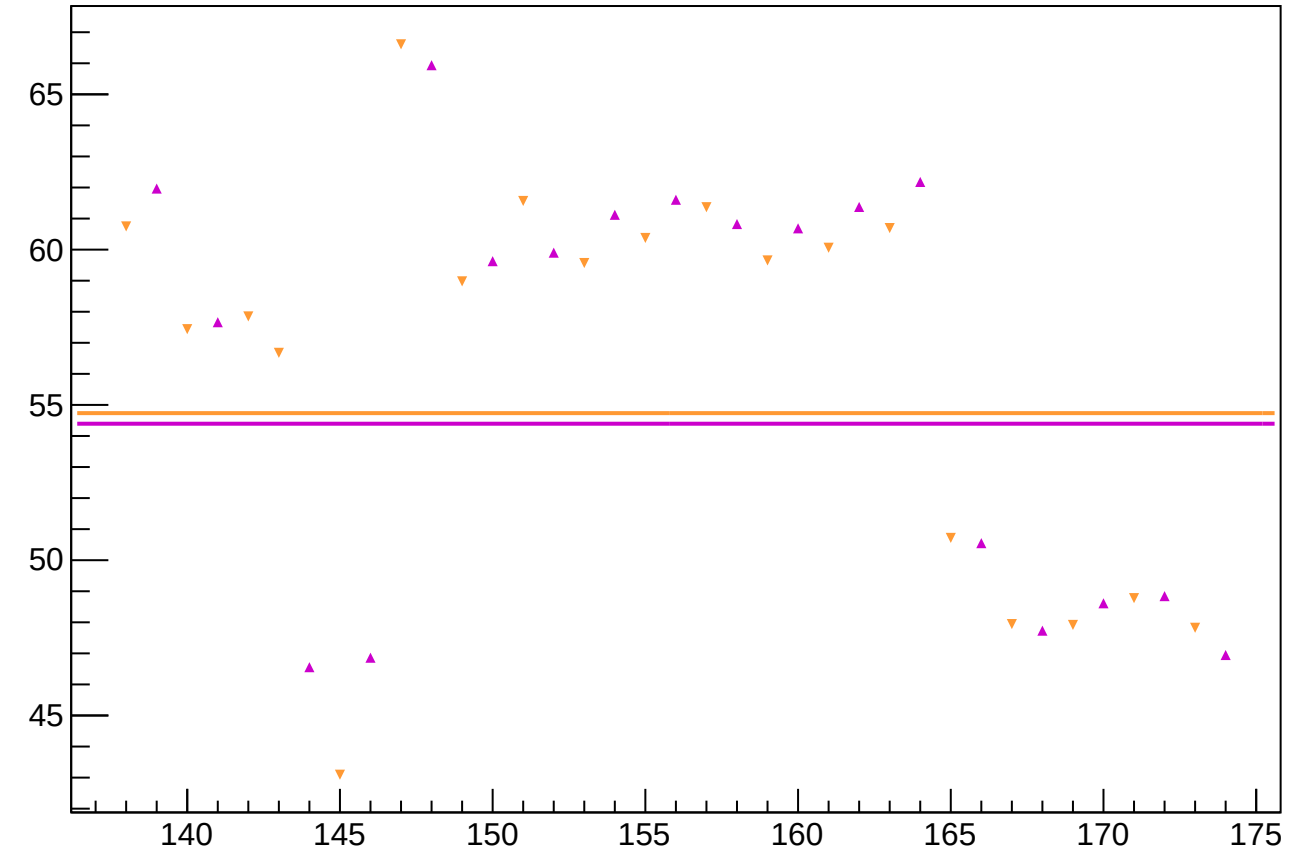
Left: -7.736+/-10.350 χ^2/NDF: 52.1/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -20.184+/-14.654 χ^2/NDF:17.0/17

Out: 4.656+/-14.621 χ^2/NDF:33.7/18

All: -7.736+/-10.350 χ^2/NDF: 52.1/36



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: 54.394+/-0.010 χ^2/NDF:427928.1/17

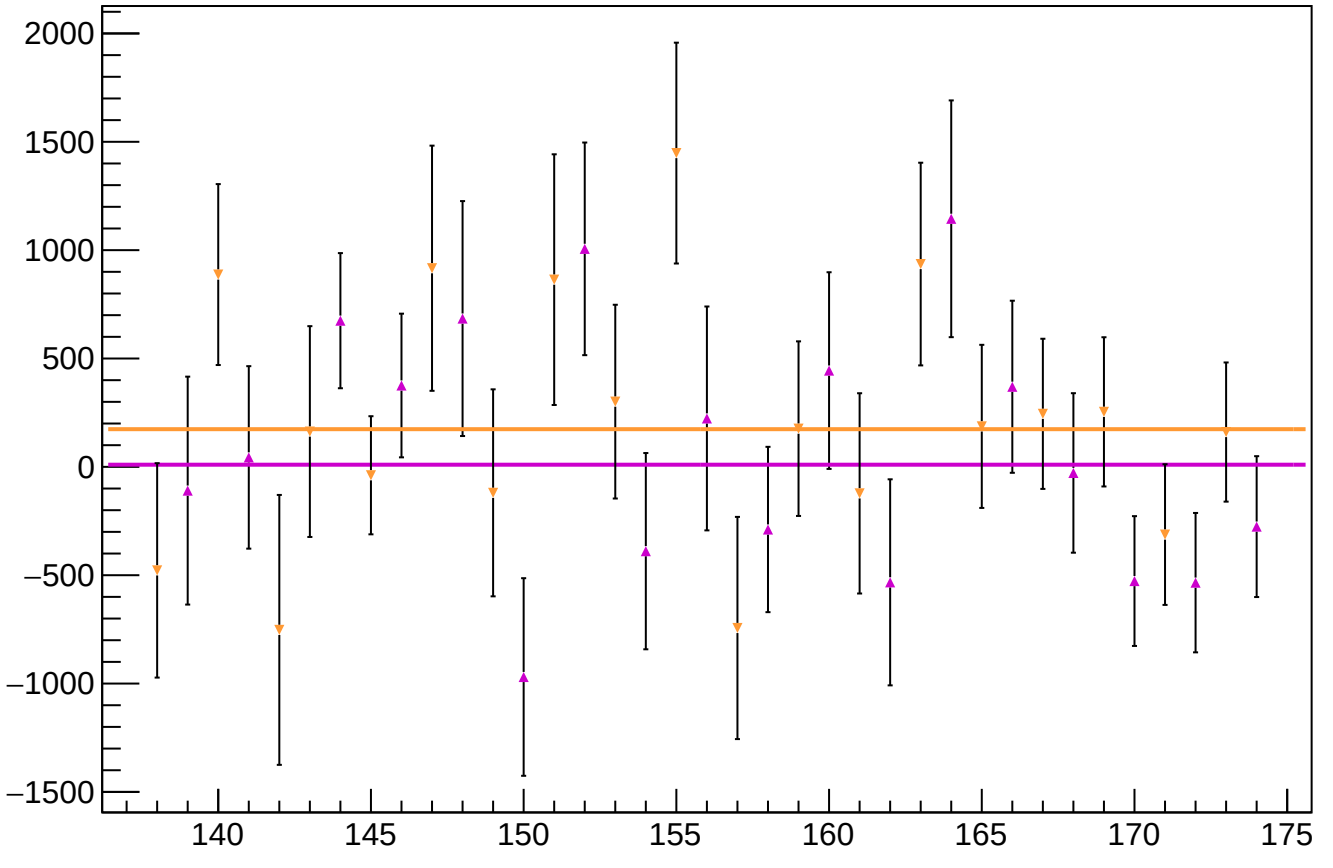
Left: 54.565+/-0.007 χ^2/NDF: 844546.8/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 54.394+/-0.010 χ^2/NDF:427928.1/17

Out: 54.736+/-0.010 χ^2/NDF:416075.6/18

All: 54.565+/-0.007 χ^2/NDF: 844546.8/36



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: 9.939+/-94.012 χ^2/NDF:31.9/17

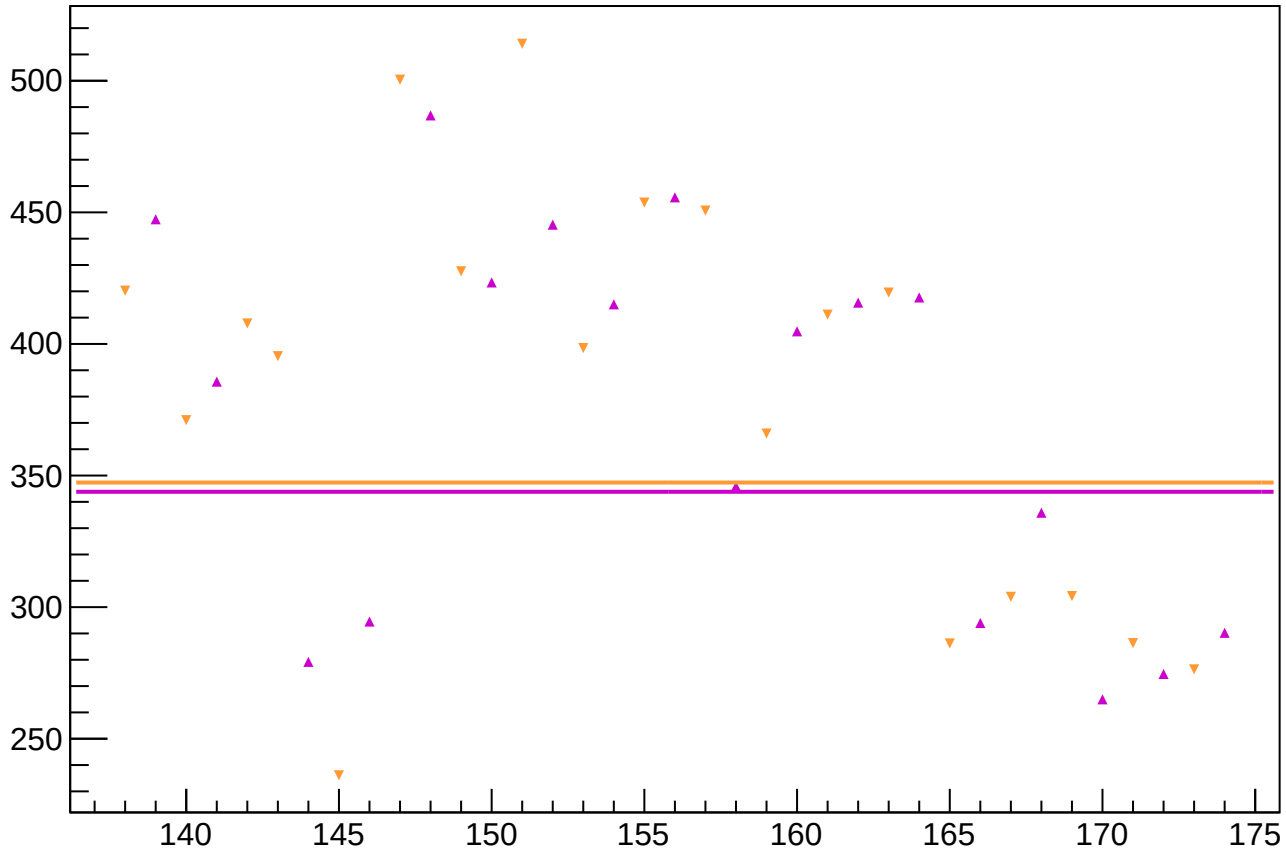
Left: 91.385+/-66.691 χ^2/NDF: 59.3/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 9.939+/-94.012 χ^2/NDF:31.9/17

Out: 173.891+/-94.622 χ^2/NDF:25.9/18

All: 91.385+/-66.691 χ^2/NDF: 59.3/36



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: 343.830+/-0.066 χ^2/NDF:1092883.3/17

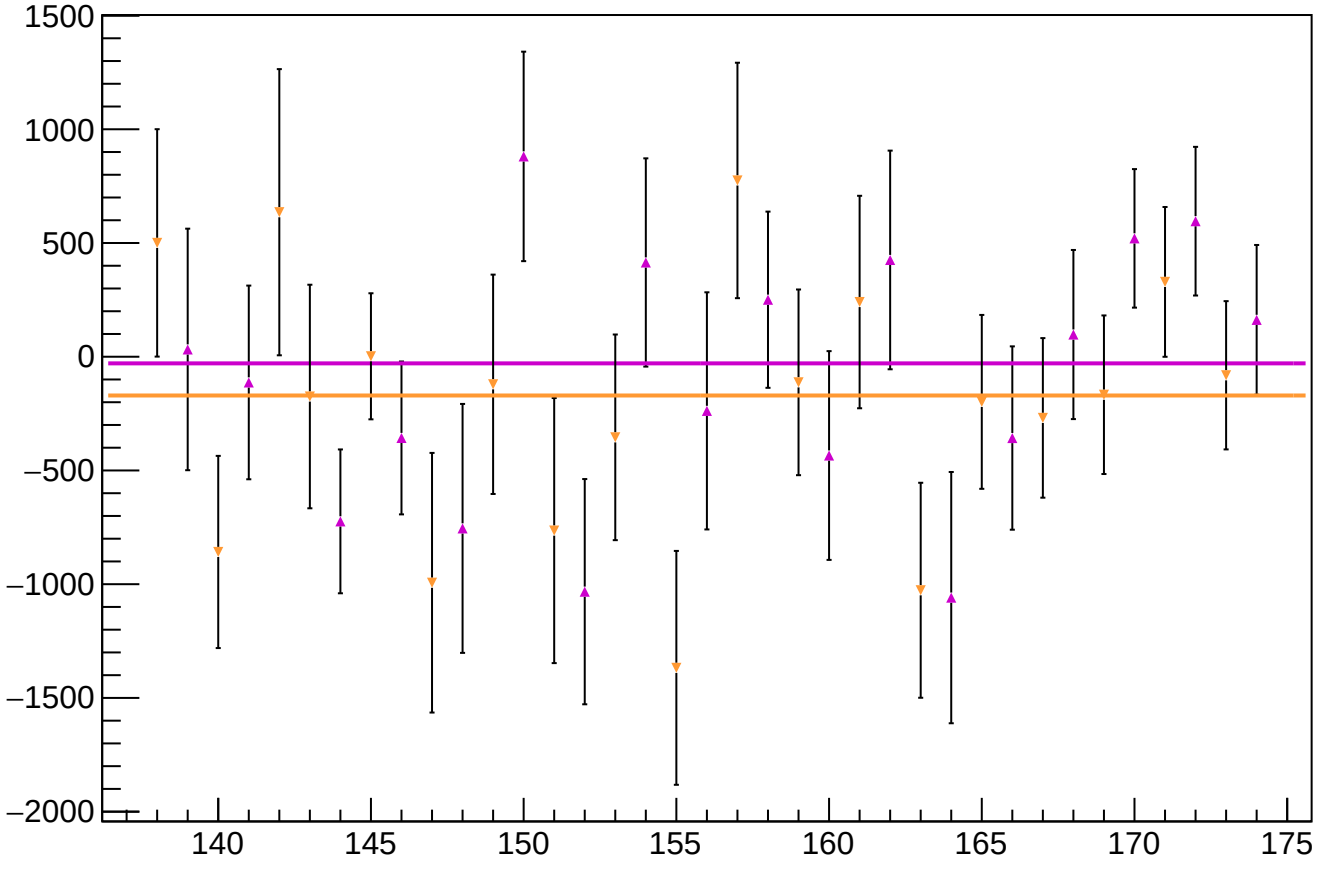
Left: 345.577+/-0.047 χ^2/NDF: 2453471.5/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 343.830+/-0.066 χ^2/NDF:1092883.3/17

Out: 347.347+/-0.067 χ^2/NDF:1359197.9/18

All: 345.577+/-0.047 χ^2/NDF: 2453471.5/36



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

Left Out: -170.402+/-95.816 χ^2/NDF:25.1/18

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

Left In: -29.179+/-95.220 χ^2/NDF:30.4/17

Left: -99.350+/-67.540 χ^2/NDF: 56.6/36

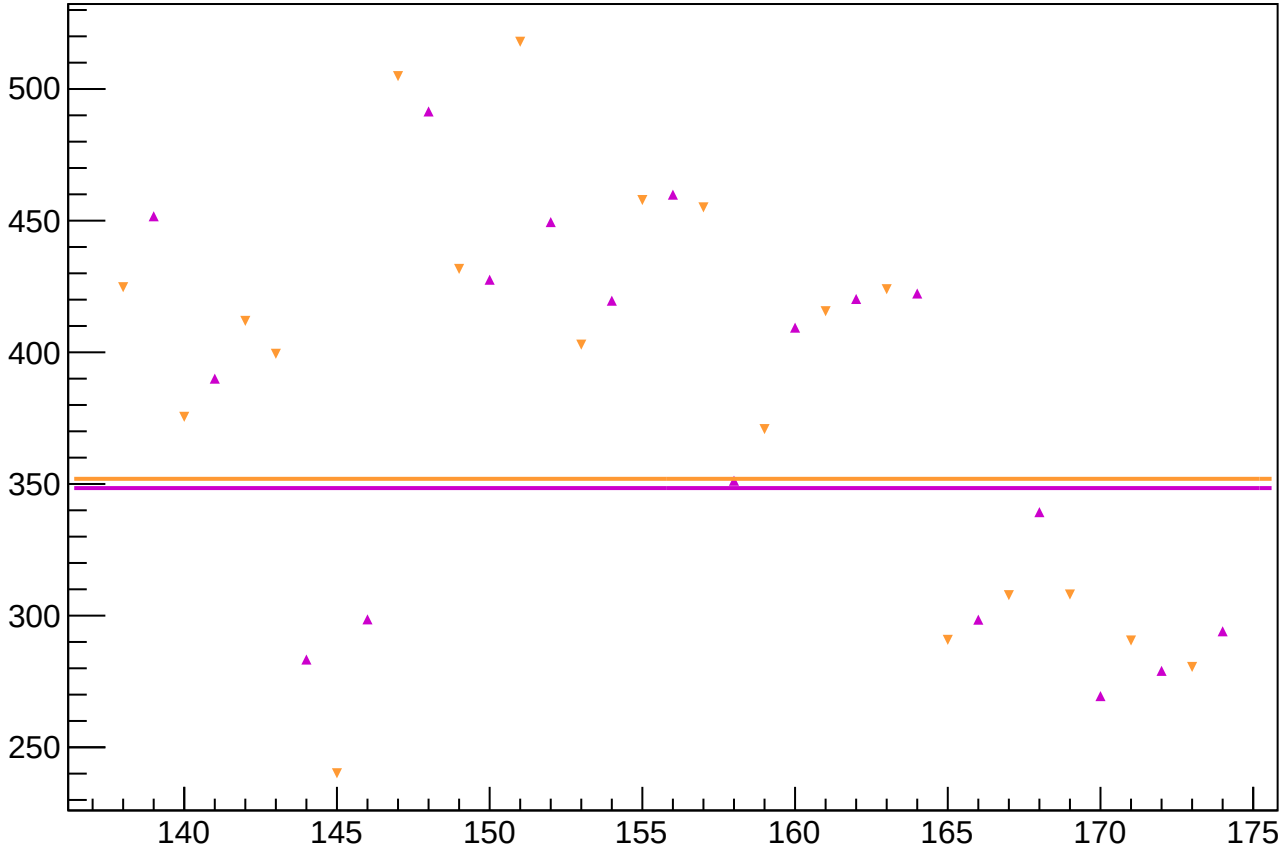
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -29.179+/-95.220 χ^2/NDF:30.4/17

Out: -170.402+/-95.816 χ^2/NDF:25.1/18

All: -99.350+/-67.540 χ^2/NDF: 56.6/36

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: 348.437+/-0.067 χ^2/NDF:1069348.5/17

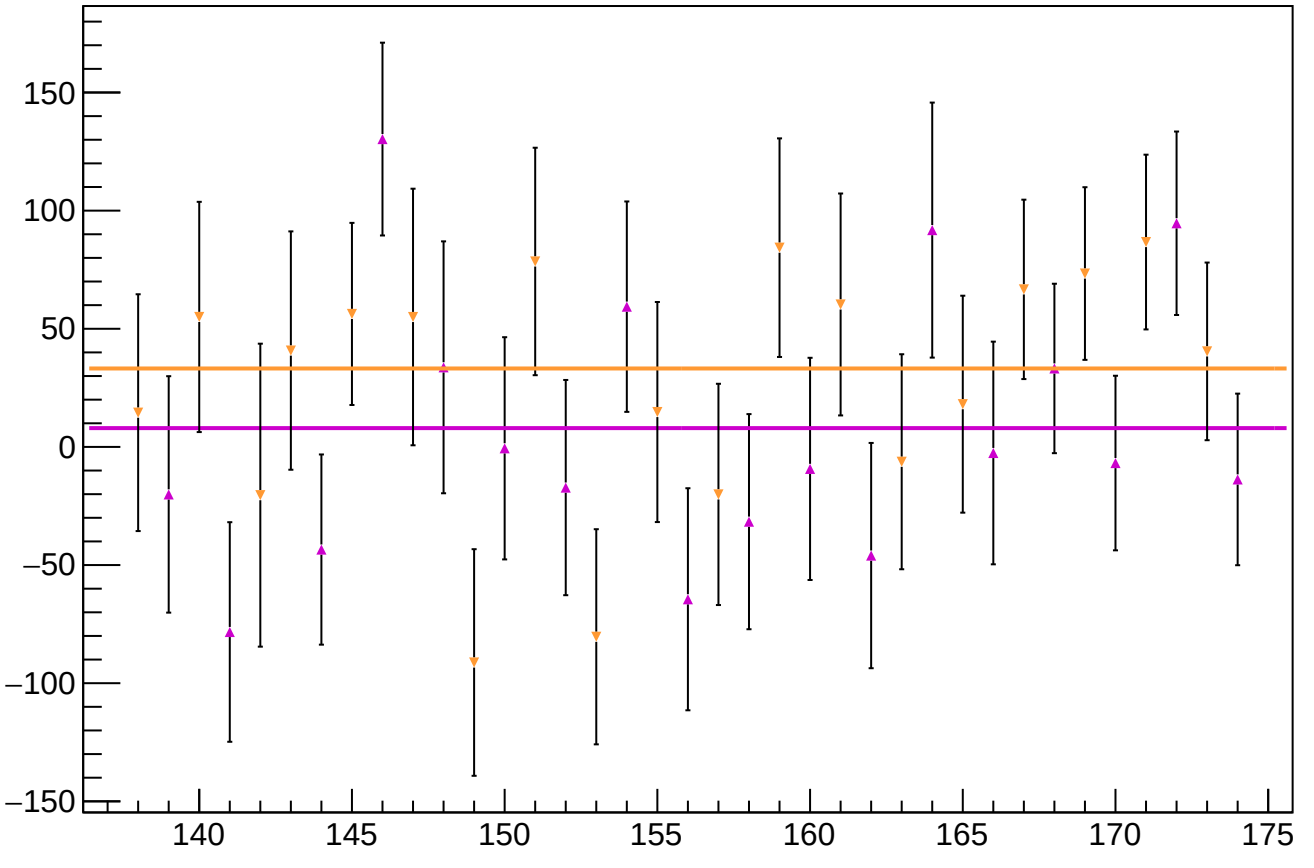
Left: 350.188+/-0.048 χ^2/NDF: 2400178.5/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 348.437+/-0.067 χ^2/NDF:1069348.5/17

Out: 351.960+/-0.068 χ^2/NDF:1329469.6/18

All: 350.188+/-0.048 χ^2/NDF: 2400178.5/36



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

Left Out: 33.195+/-10.263 χ^2/NDF:23.4/18

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

Left In: 7.958+/-10.301 χ^2/NDF:29.3/17

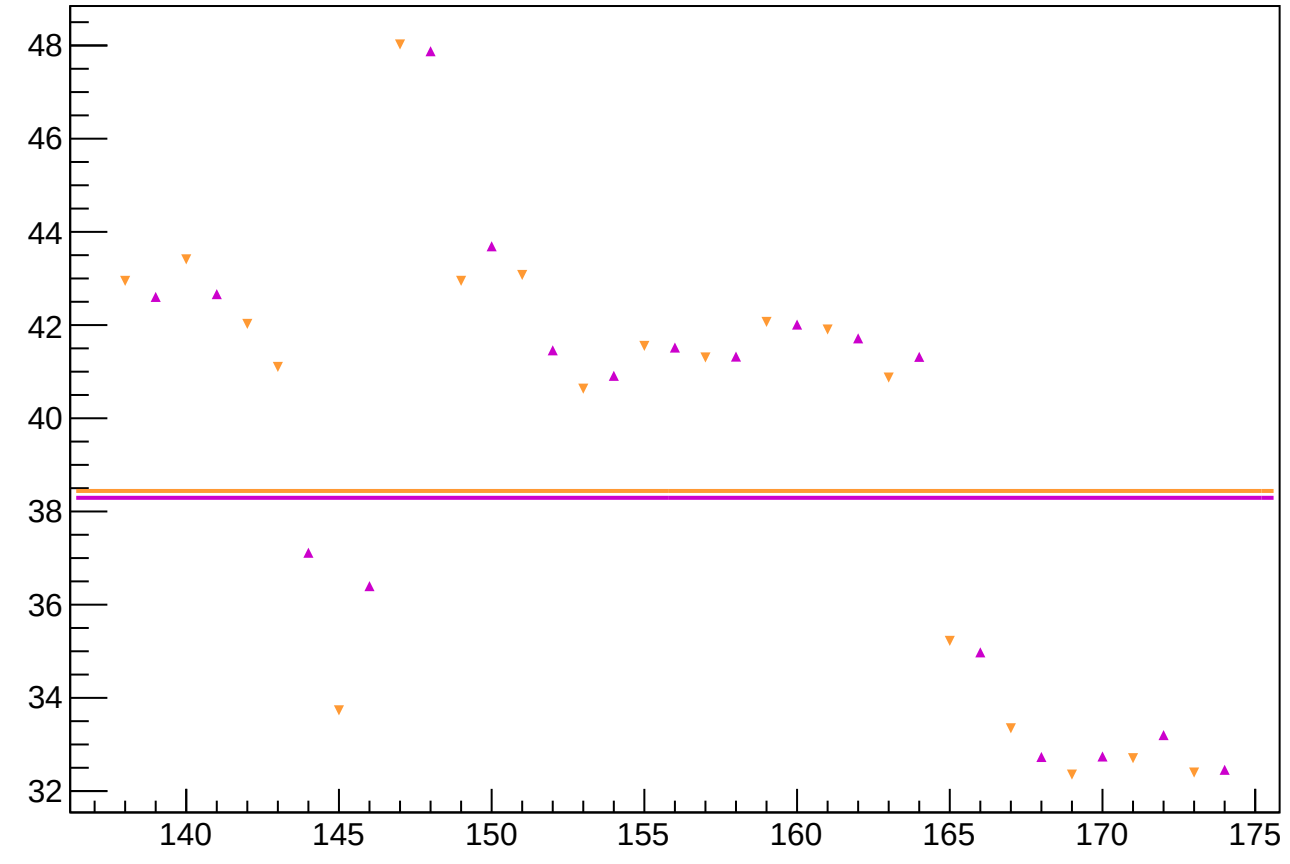
Left: 20.623+/-7.270 χ^2/NDF: 55.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 7.958+/-10.301 χ^2/NDF:29.3/17

Out: 33.195+/-10.263 χ^2/NDF:23.4/18

All: 20.623+/-7.270 χ^2/NDF: 55.7/36



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: 38.293+/-0.007 χ^2/NDF:382756.0/17

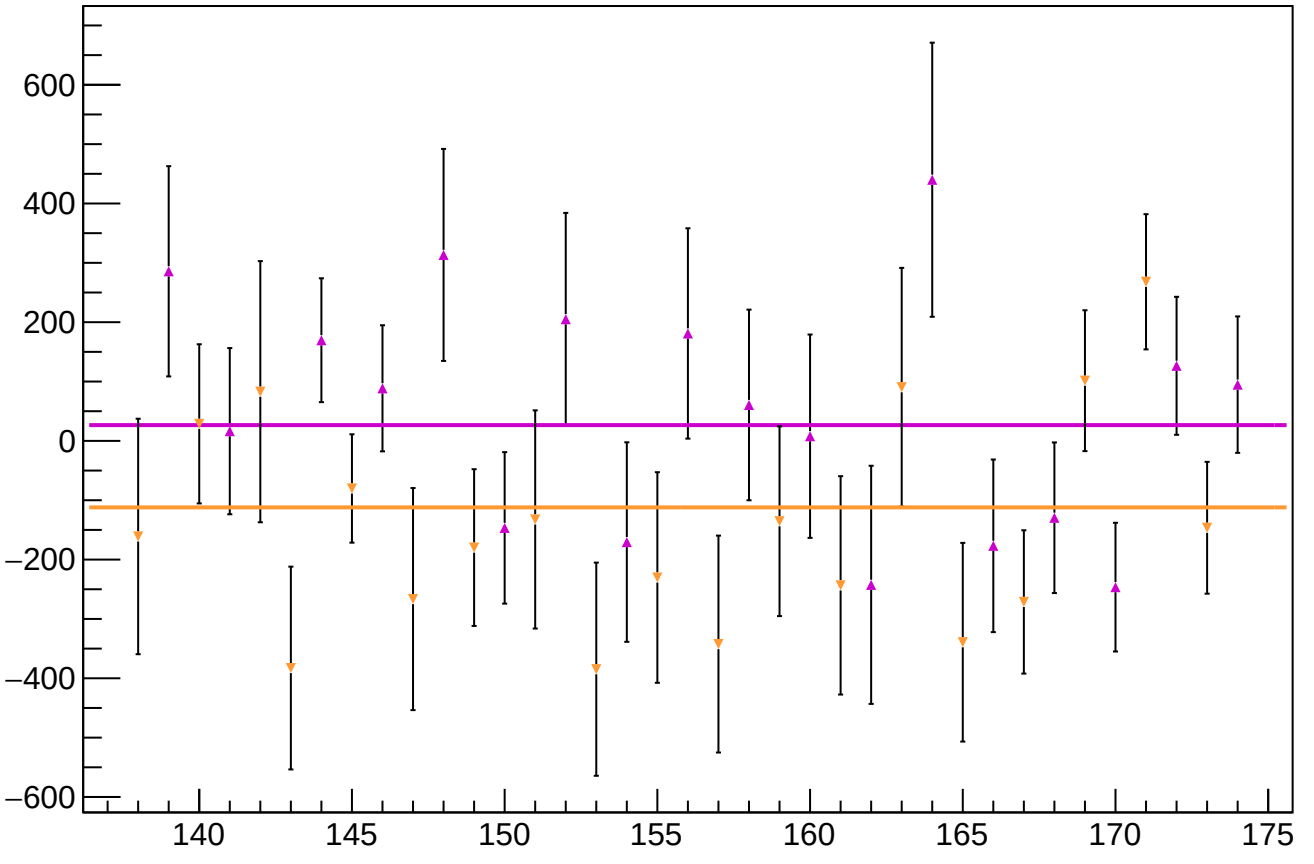
Left: 38.367+/-0.005 χ^2/NDF: 811216.3/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 38.293+/-0.007 χ^2/NDF:382756.0/17

Out: 38.440+/-0.007 χ^2/NDF:428255.5/18

All: 38.367+/-0.005 χ^2/NDF: 811216.3/36



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: 26.589+/-33.059 χ^2/NDF:27.9/17

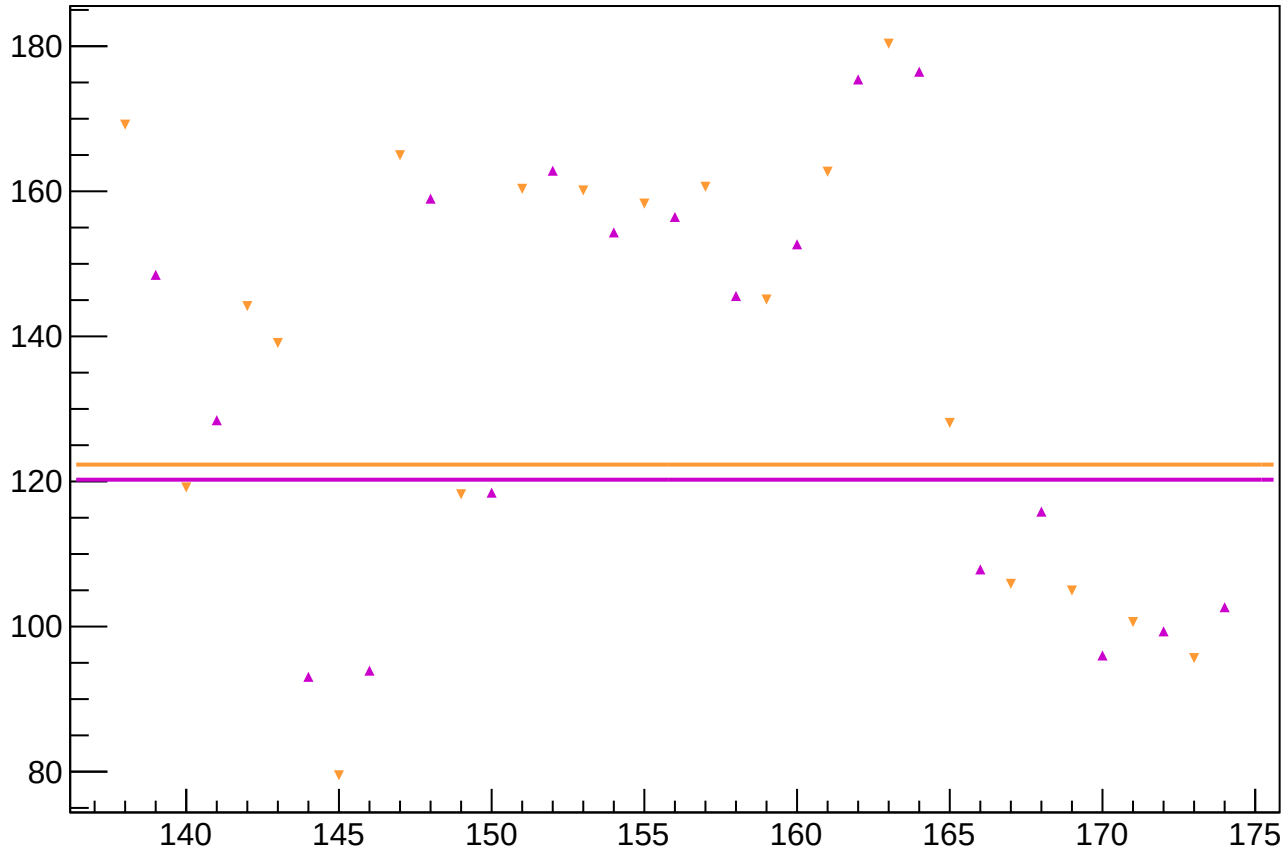
Left: -41.798+/-23.531 χ^2/NDF: 66.0/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 26.589+/-33.059 χ^2/NDF:27.9/17

Out: -112.031+/-33.503 χ^2/NDF:29.5/18

All: -41.798+/-23.531 χ^2/NDF: 66.0/36



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: 120.246+/-0.023 χ^2/NDF:1308796.1/17

Left: 121.273+/-0.017 χ^2/NDF: 2928086.8/36

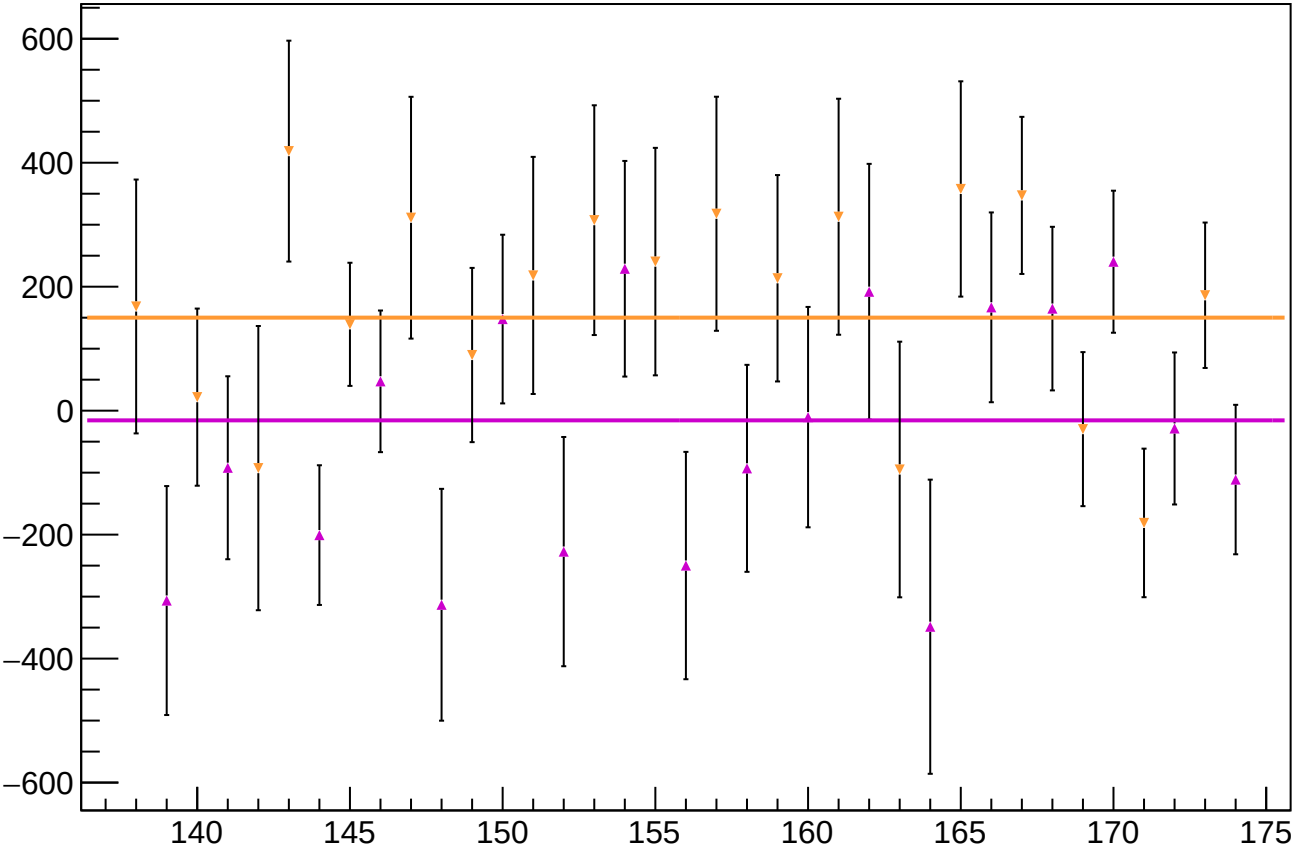
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 120.246+/-0.023 χ^2/NDF:1308796.1/17

Out: 122.327+/-0.024 χ^2/NDF:1615383.0/18

All: 121.273+/-0.017 χ^2/NDF: 2928086.8/36

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 150.082+/-35.235 χ^2/NDF:22.9/18

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

Left In: -15.649+/-34.803 χ^2/NDF:26.8/17

Left: 66.195+/-24.761 χ^2/NDF: 60.9/36

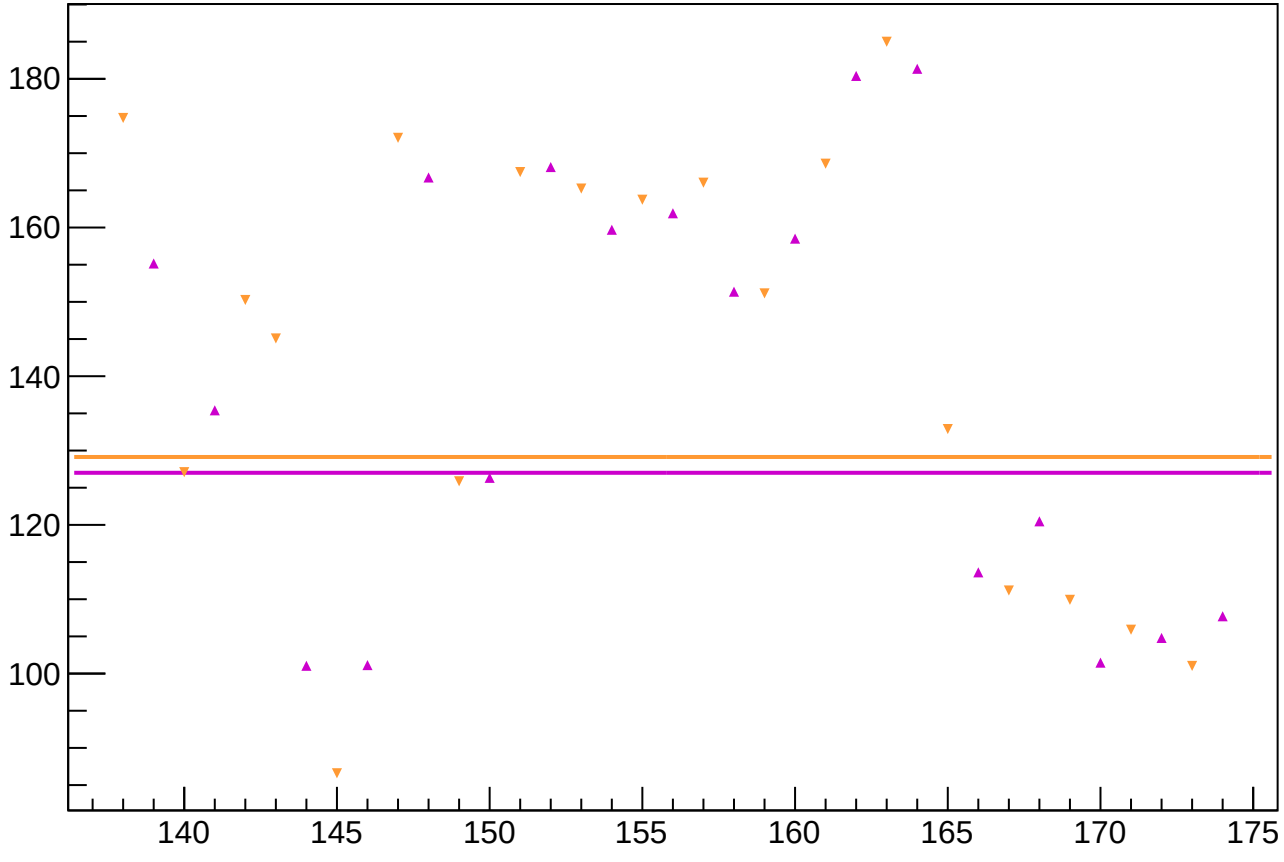
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -15.649+/-34.803 χ^2/NDF:26.8/17

Out: 150.082+/-35.235 χ^2/NDF:22.9/18

All: 66.195+/-24.761 χ^2/NDF: 60.9/36

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: 127.009+/-0.025 χ^2/NDF:1174712.1/17

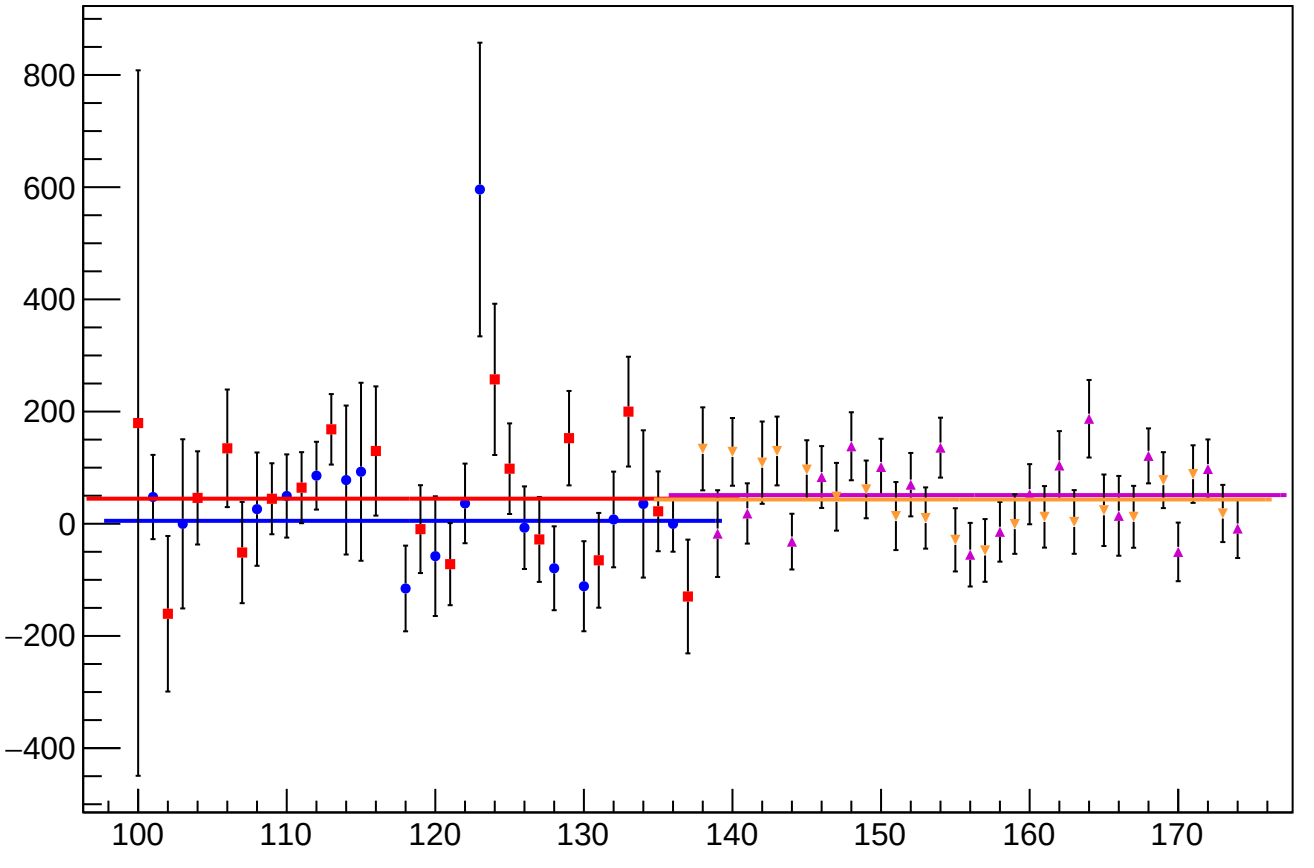
Left: 128.059+/-0.018 χ^2/NDF: 2626181.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 127.009+/-0.025 χ^2/NDF:1174712.1/17

Out: 129.135+/-0.025 χ^2/NDF:1447781.4/18

All: 128.059+/-0.018 χ^2/NDF: 2626181.7/36



Right In: 5.220+/-20.150 χ^2/NDF: 14.7/16

Left Out: 43.256+/-13.012 χ^2/NDF:15.7/18

Right Out: 44.715+/-19.410 χ^2/NDF: 24.4/18

Left In: 51.097+/-13.166 χ^2/NDF:27.7/17

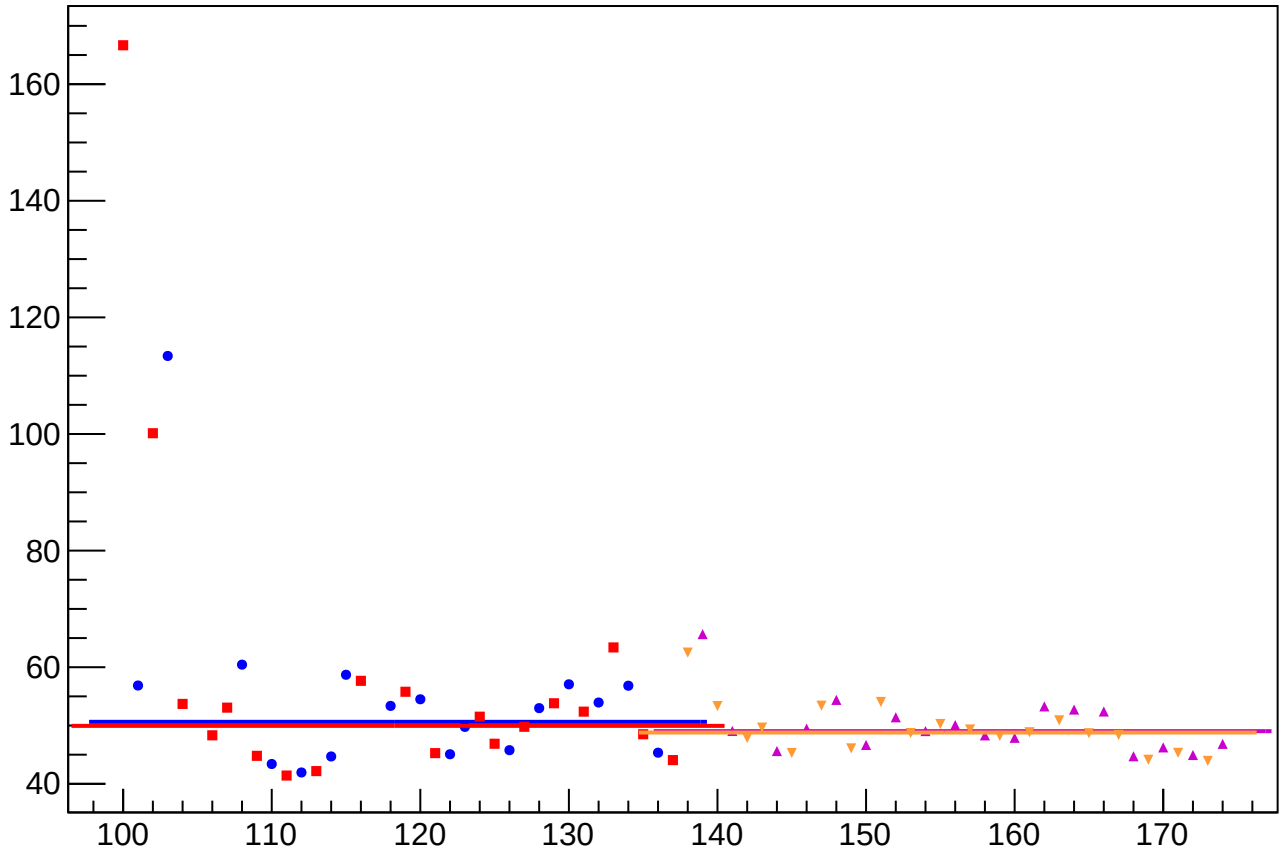
Left: 47.130+/-9.255 χ^2/NDF: 43.6/36

Right: 25.706+/-13.979 χ^2/NDF: 41.1/35

In: 37.371+/-11.022 χ^2/NDF:46.1/34

Out: 43.708+/-10.808 χ^2/NDF:40.1/37

All: 40.602+/-7.717 χ^2/NDF: 86.3/72



Right In: 50.635+/-0.014 χ^2/NDF: 519687.1/16

Left Out: 48.802+/-0.009 χ^2/NDF:171387.1/18

Right Out: 49.943+/-0.014 χ^2/NDF: 500488.8/18

Left In: 49.035+/-0.009 χ^2/NDF:184248.0/17

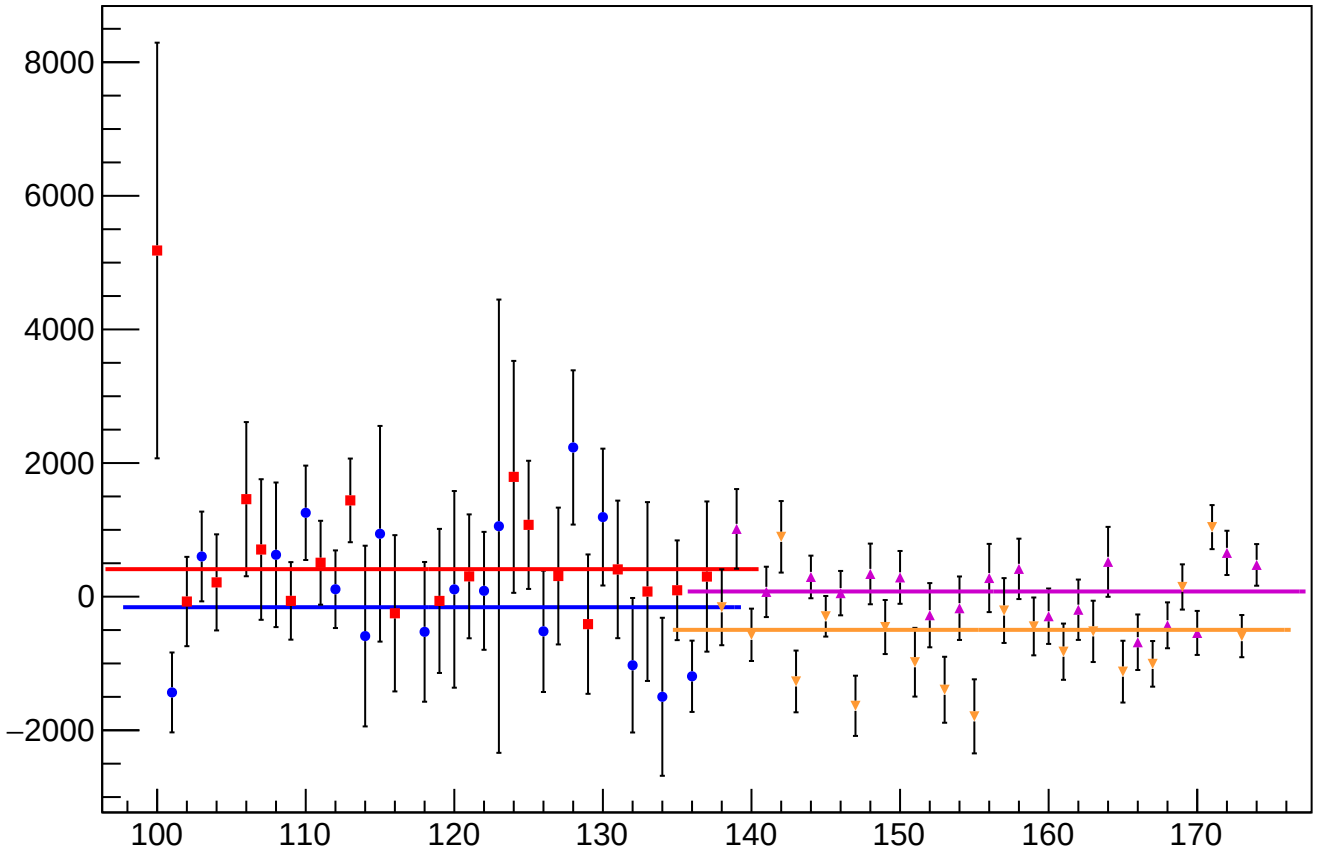
Left: 48.917+/-0.007 χ^2/NDF: 355953.5/36

Right: 50.276+/-0.010 χ^2/NDF: 1021399.4/35

In: 49.514+/-0.008 χ^2/NDF:712766.7/34

Out: 49.156+/-0.008 χ^2/NDF:676644.6/37

All: 49.331+/-0.005 χ^2/NDF: 1390489.0/72



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: 77.475+/-93.356 χ^2/NDF:20.7/17

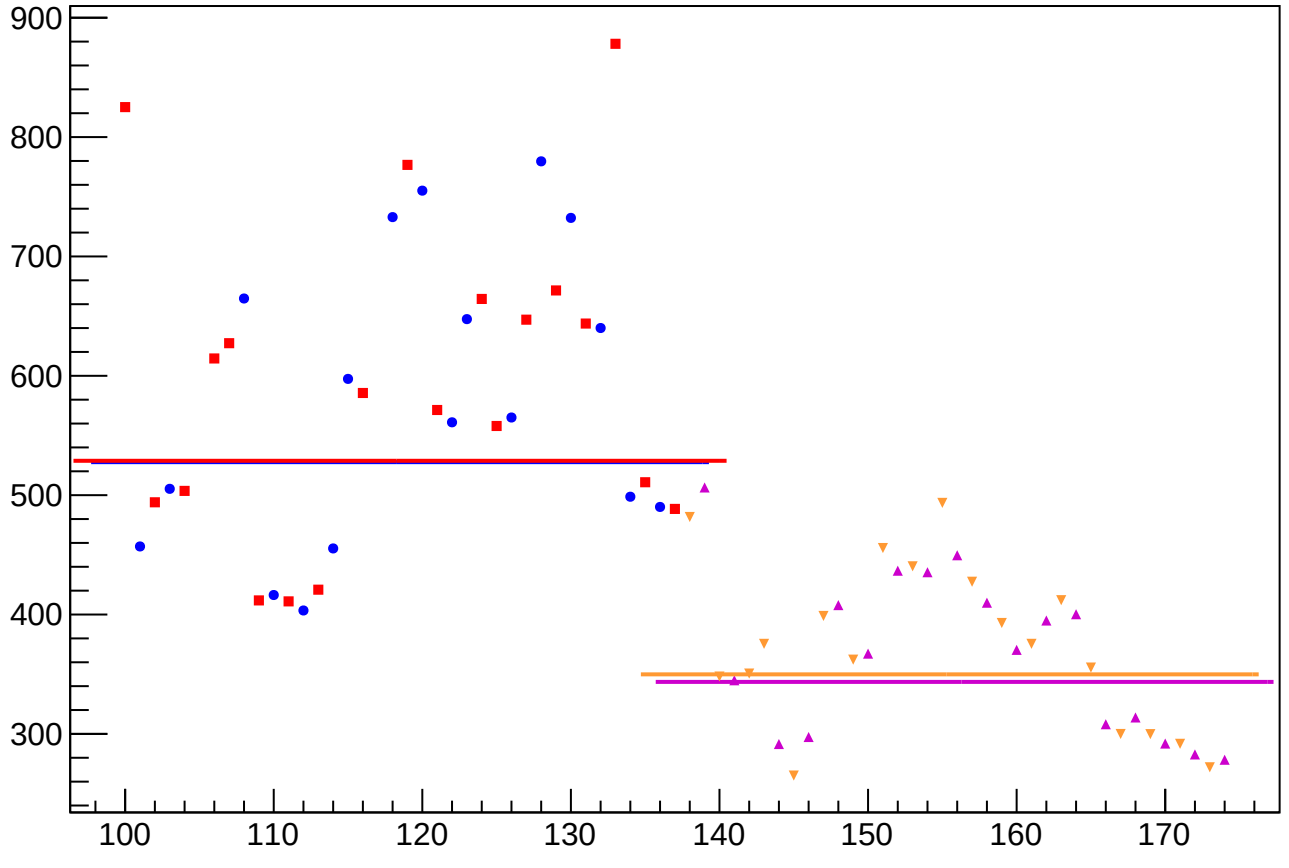
Left: -206.198+/-66.419 χ^2/NDF: 96.3/36

Right: 135.816+/-146.251 χ^2/NDF: 37.0/35

In: 38.674+/-85.319 χ^2/NDF:45.2/34

Out: -335.924+/-85.732 χ^2/NDF:83.0/37

All: -147.719+/-60.475 χ^2/NDF: 137.8/72



Right In: 527.663+/-0.149 χ^2/NDF: 557423.6/16

Left Out: 349.883+/-0.067 χ^2/NDF:966731.5/18

Right Out: 528.806+/-0.144 χ^2/NDF: 623364.6/18

Left In: 343.563+/-0.066 χ^2/NDF:859313.1/17

Left: 346.684+/-0.047 χ^2/NDF: 1830571.4/36

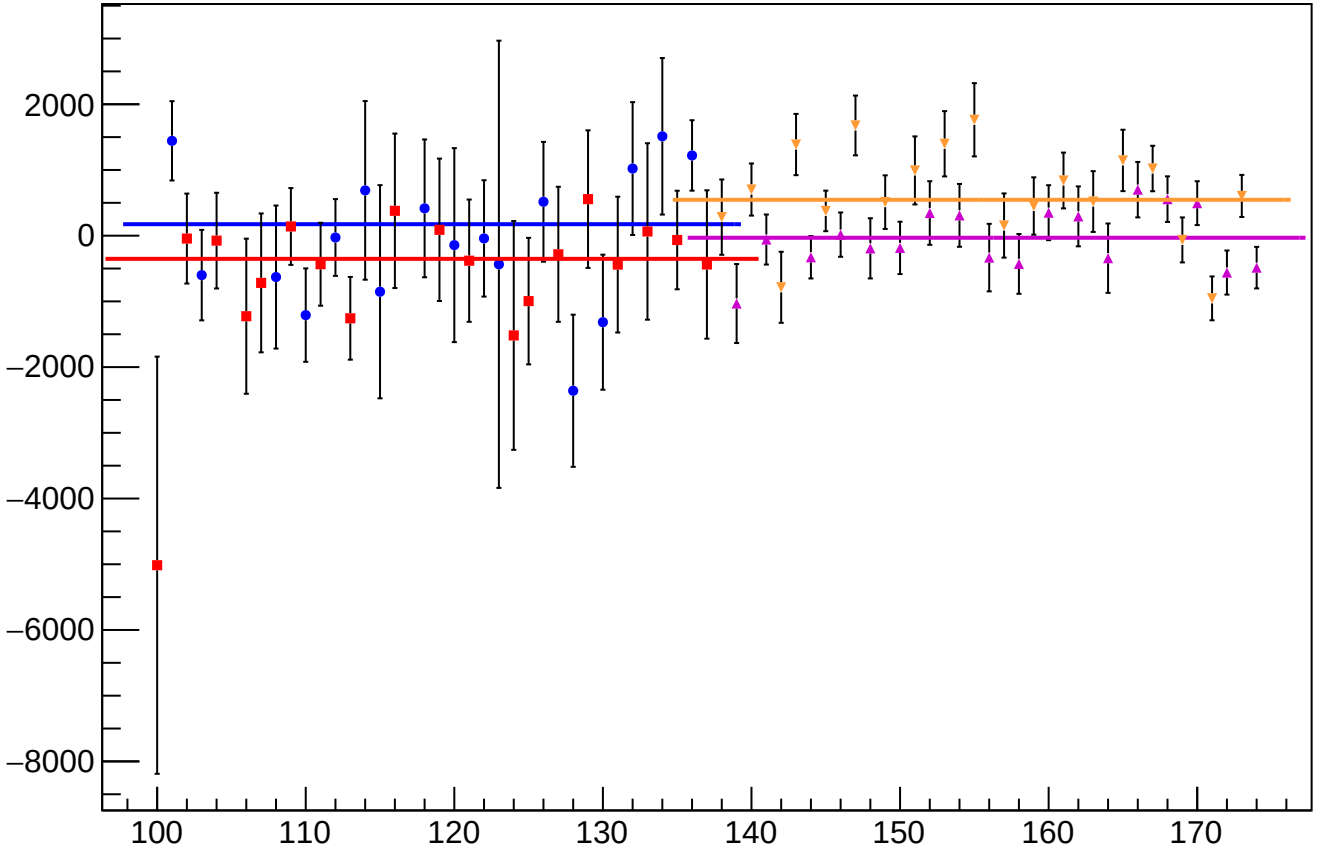
Right: 528.253+/-0.103 χ^2/NDF: 1180818.7/35

In: 373.898+/-0.060 χ^2/NDF:2698343.2/34

Out: 381.598+/-0.061 χ^2/NDF:2860473.7/37

All: 377.729+/-0.043 χ^2/NDF: 5566920.7/72

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605+/-211.662 χ^2/NDF: 23.7/16

Left Out: 546.234+/-95.498 χ^2/NDF:52.7/18

Right Out: -352.570+/-205.204 χ^2/NDF: 8.4/18

Left In: -31.602+/-94.369 χ^2/NDF:20.7/17

Left: 253.881+/-67.125 χ^2/NDF: 92.0/36

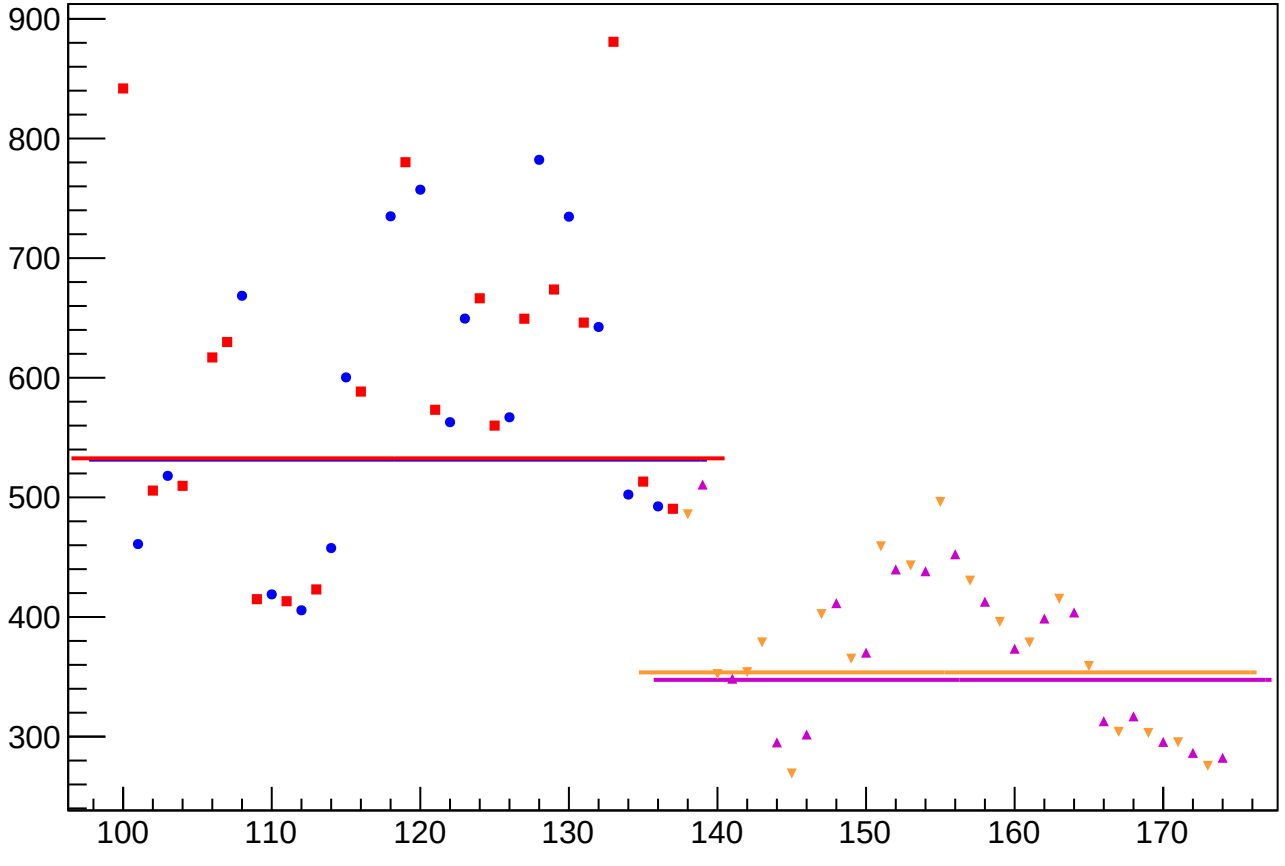
Right: -97.148+/-147.331 χ^2/NDF: 35.3/35

In: 2.591+/-86.191 χ^2/NDF:45.2/34

Out: 386.225+/-86.581 χ^2/NDF:76.9/37

All: 193.541+/-61.084 χ^2/NDF: 132.0/72

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554+/-0.150 χ^2/NDF: 550087.6/16

Left Out: 353.681+/-0.068 χ^2/NDF:941207.1/18

Right Out: 532.620+/-0.145 χ^2/NDF: 615746.2/18

Left In: 347.453+/-0.067 χ^2/NDF:836095.6/17

Left: 350.530+/-0.047 χ^2/NDF: 1781606.4/36

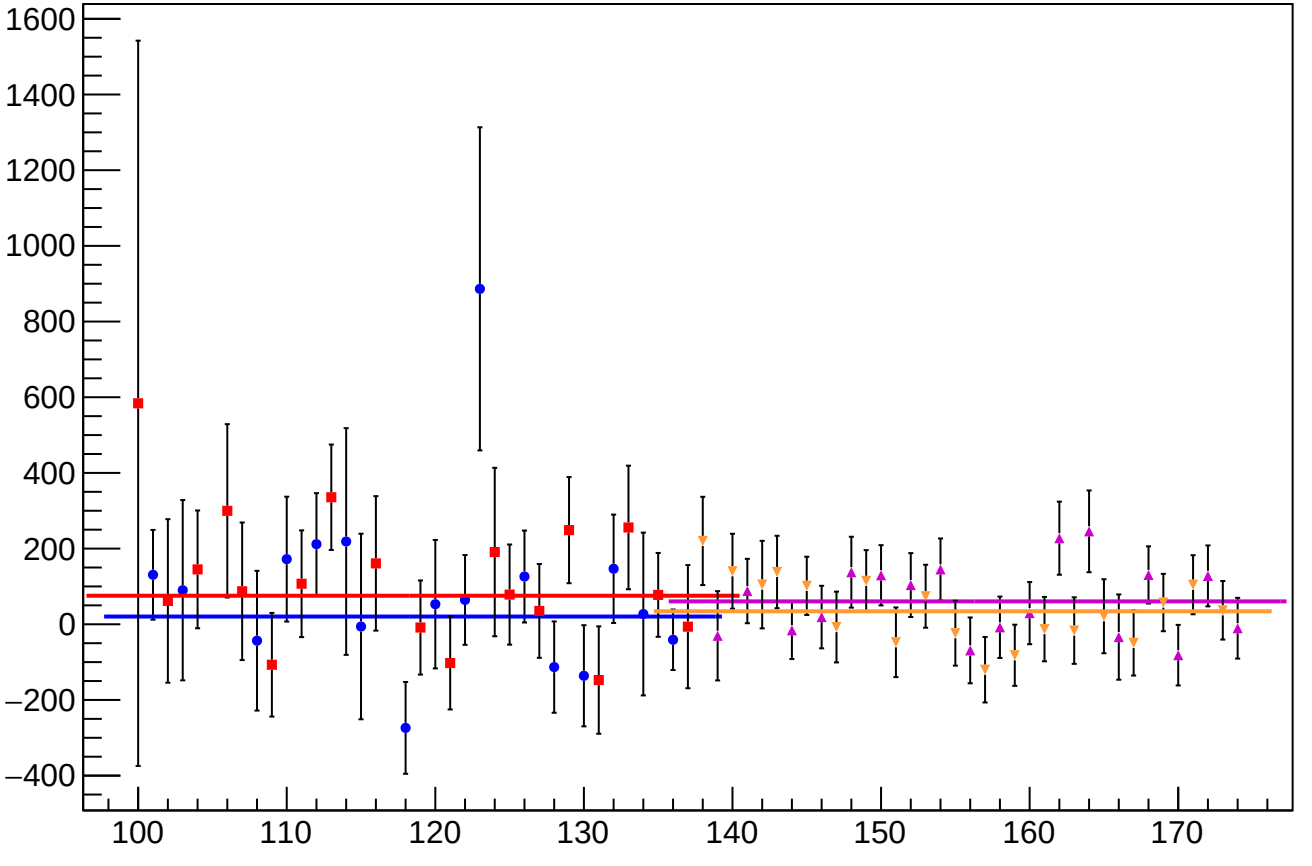
Right: 532.104+/-0.104 χ^2/NDF: 1165860.0/35

In: 377.981+/-0.061 χ^2/NDF:2648349.0/34

Out: 385.537+/-0.061 χ^2/NDF:2807013.4/37

All: 381.742+/-0.043 χ^2/NDF: 5463012.9/72

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441+/-34.583 χ^2/NDF: 19.3/16

Left Out: 34.304+/-20.036 χ^2/NDF:16.4/18

Right Out: 75.454+/-34.698 χ^2/NDF: 15.4/18

Left In: 60.495+/-20.260 χ^2/NDF:19.9/17

Left: 47.254+/-14.246 χ^2/NDF: 37.1/36

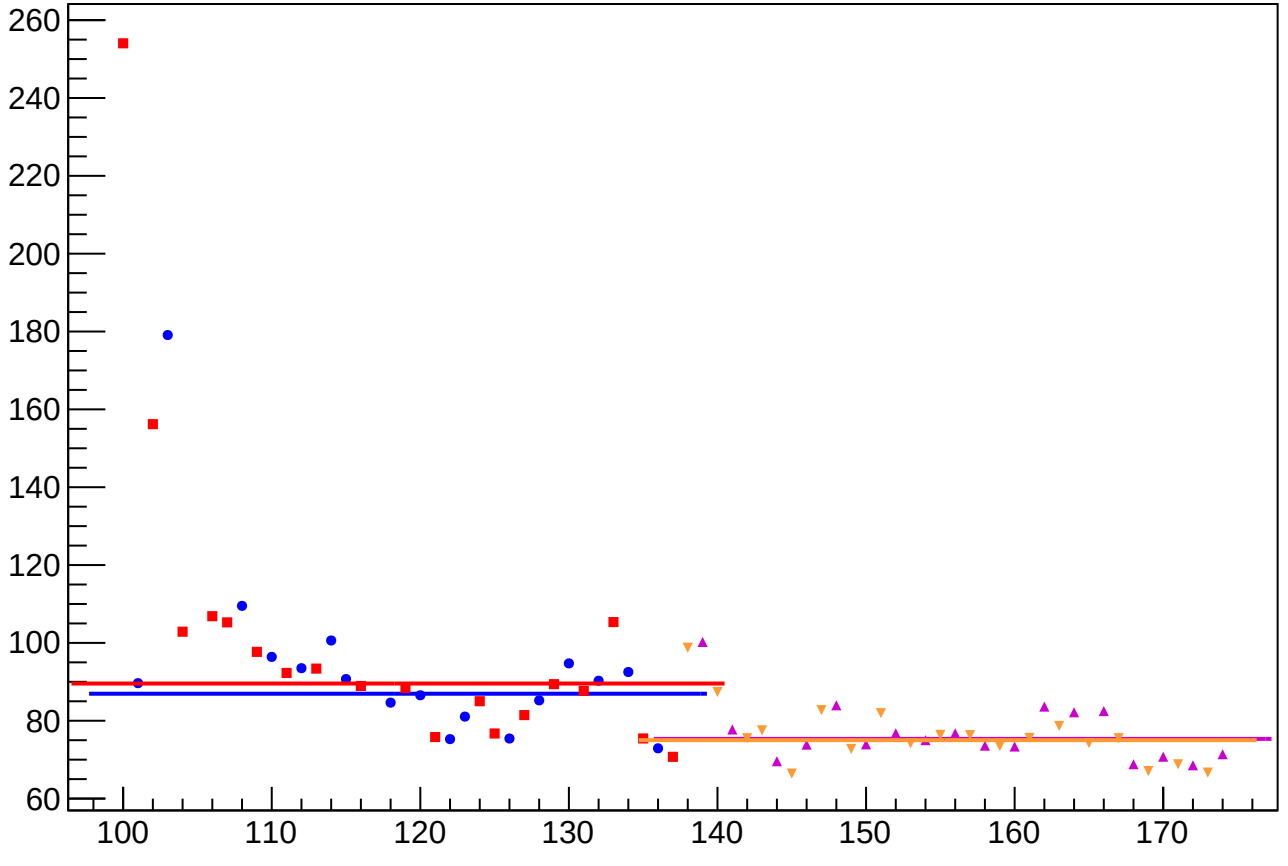
Right: 47.856+/-24.495 χ^2/NDF: 35.9/35

In: 50.261+/-17.481 χ^2/NDF:40.2/34

Out: 44.594+/-17.351 χ^2/NDF:32.8/37

All: 47.406+/-12.315 χ^2/NDF: 73.1/72

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943+/-0.024 χ^2/NDF: 455809.4/16

Left Out: 75.008+/-0.014 χ^2/NDF:230443.0/18

Right Out: 89.561+/-0.025 χ^2/NDF: 431229.7/18

Left In: 75.338+/-0.014 χ^2/NDF:194841.1/17

Left: 75.171+/-0.010 χ^2/NDF: 425551.0/36

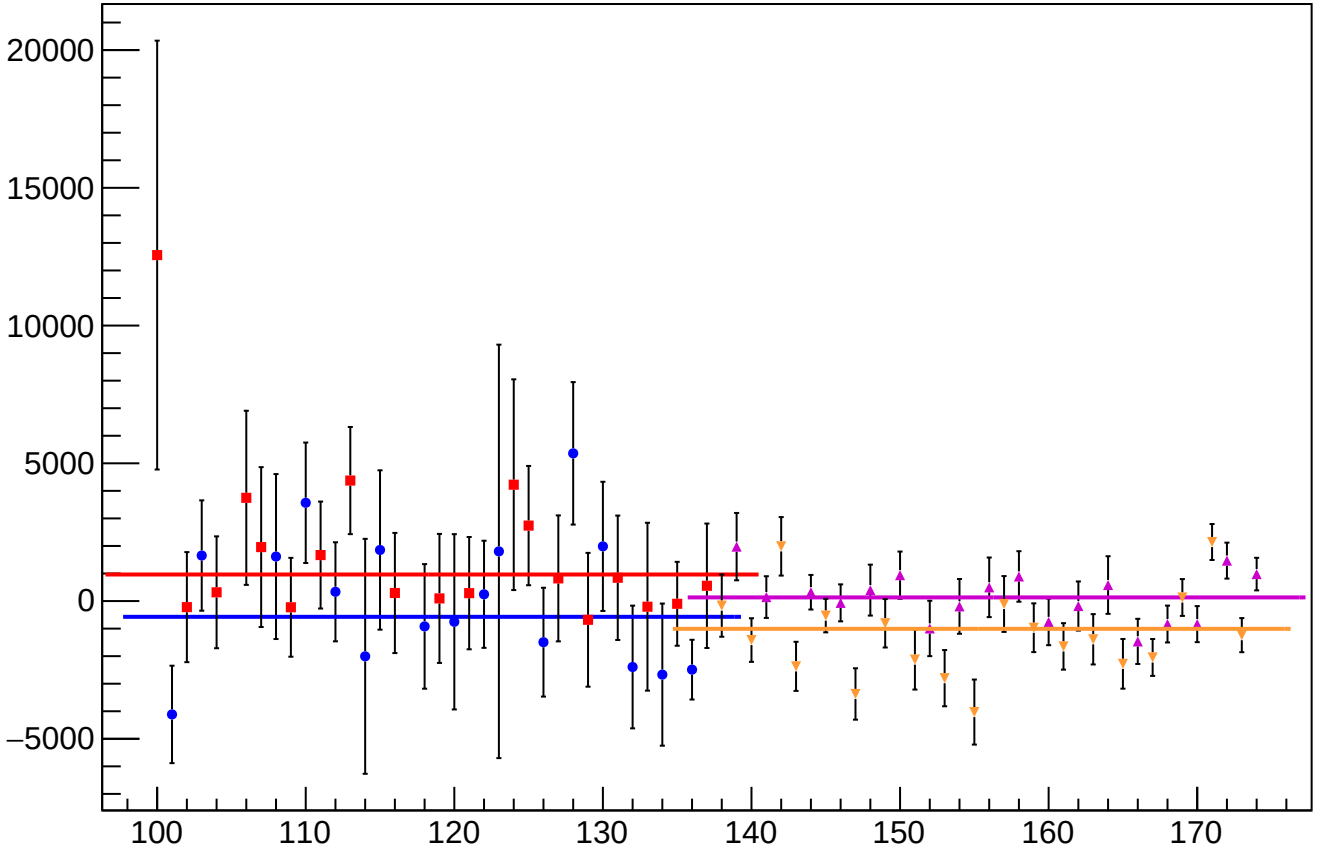
Right: 88.247+/-0.017 χ^2/NDF: 892752.0/35

In: 78.303+/-0.012 χ^2/NDF:818319.2/34

Out: 78.647+/-0.012 χ^2/NDF:925498.3/37

All: 78.476+/-0.009 χ^2/NDF: 1744208.6/72

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342+/-517.020 χ^2/NDF: 21.9/16

Left Out: -1007.745+/-190.021 χ^2/NDF:61.2/18

Right Out: 963.846+/-514.621 χ^2/NDF: 10.1/18

Left In: 132.478+/-187.041 χ^2/NDF:21.3/17

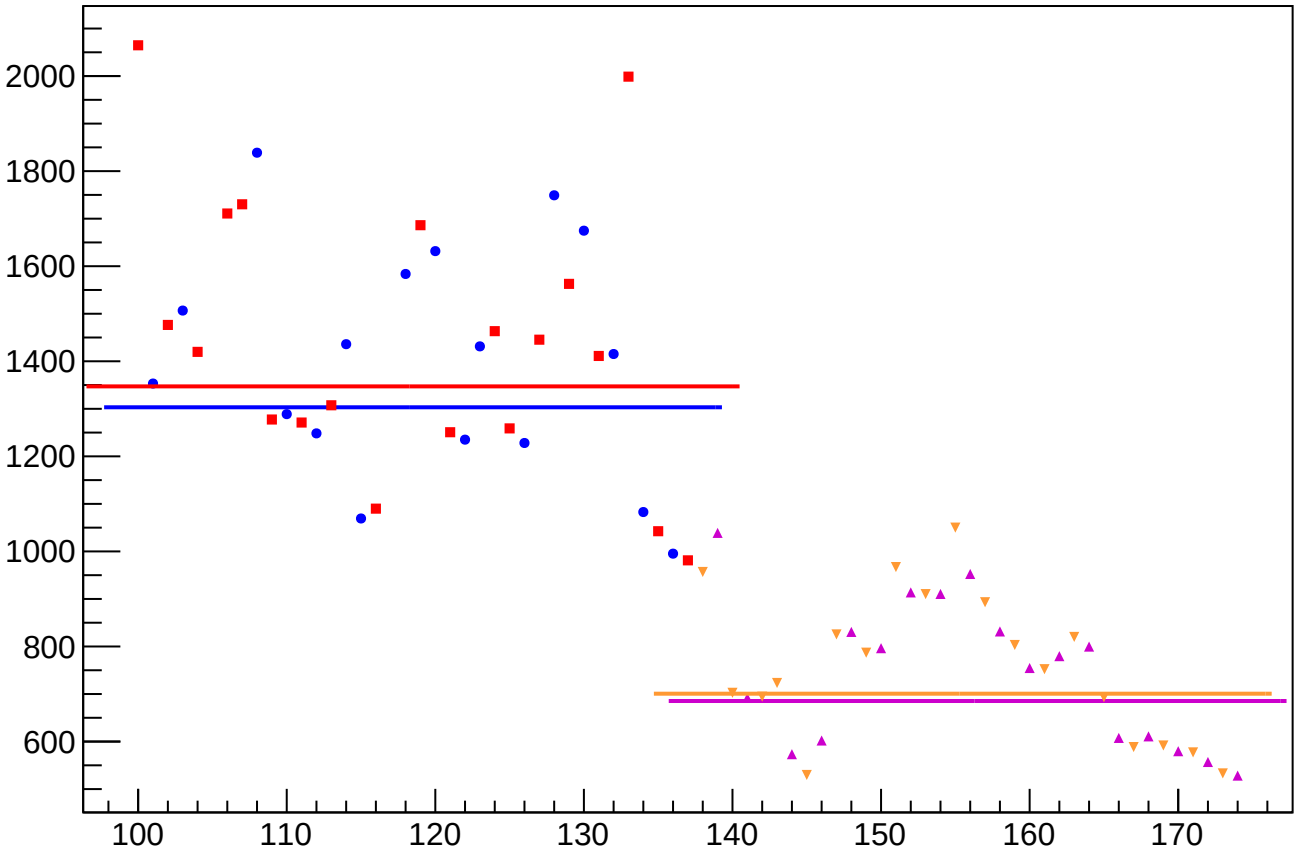
Left: -428.621+/-133.299 χ^2/NDF: 100.8/36

Right: 199.325+/-364.737 χ^2/NDF: 36.4/35

In: 50.910+/-175.885 χ^2/NDF:44.8/34

Out: -771.187+/-178.258 χ^2/NDF:84.2/37

All: -354.632+/-125.200 χ^2/NDF: 139.8/72



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: 685.315+/-0.132 χ^2/NDF:1096404.2/17

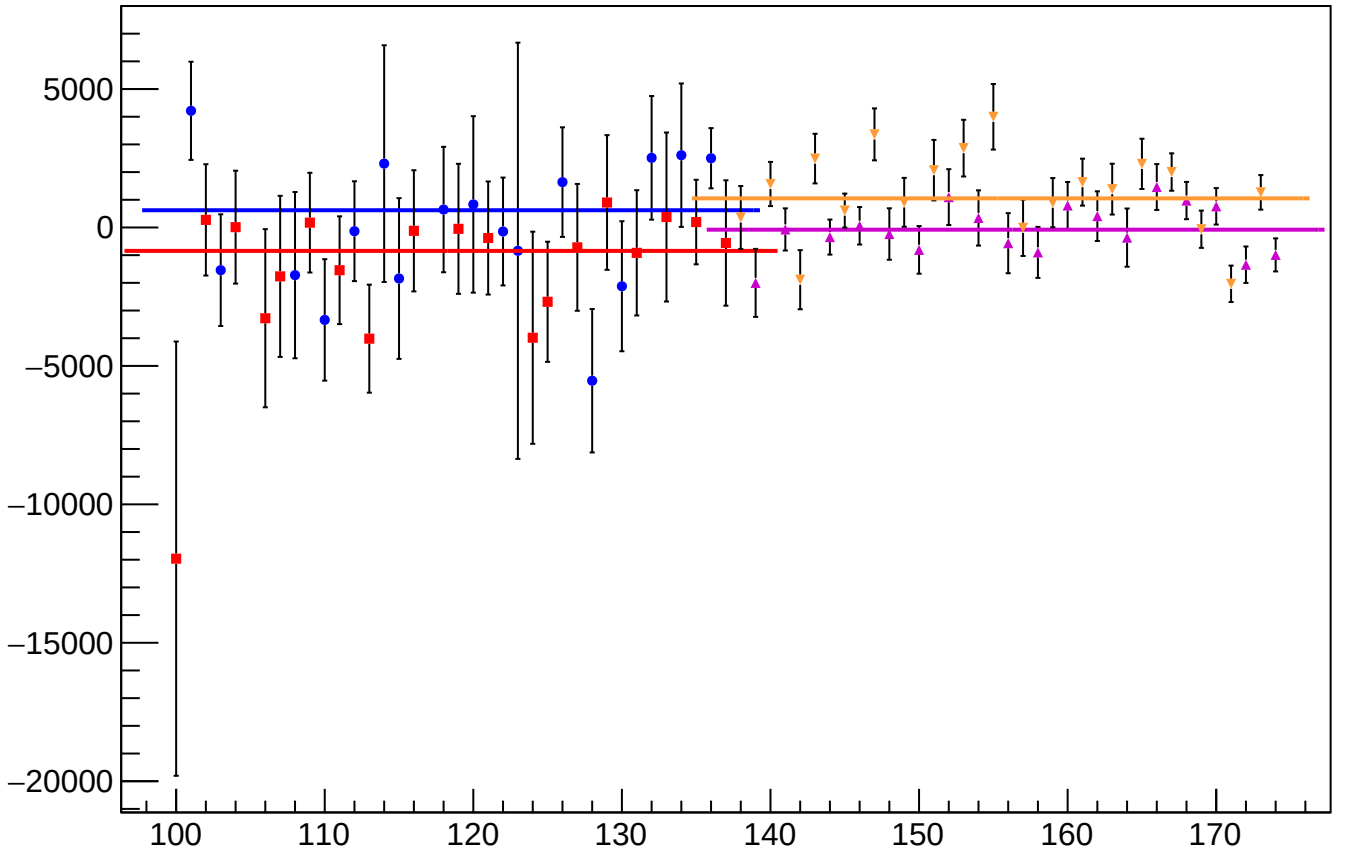
Left: 692.878+/-0.094 χ^2/NDF: 2267286.3/36

Right: 1325.291+/-0.258 χ^2/NDF: 880004.2/35

In: 756.822+/-0.124 χ^2/NDF:4074272.7/34

Out: 778.253+/-0.126 χ^2/NDF:4362632.2/37

All: 767.394+/-0.089 χ^2/NDF: 8451551.6/72



Right In: 622.411+/-518.496 χ^2/NDF: 22.0/16

Left Out: 1050.978+/-191.209 χ^2/NDF:58.2/18

Right Out: -846.021+/-516.325 χ^2/NDF: 9.1/18

Left In: -79.531+/-188.289 χ^2/NDF:21.0/17

Left: 477.026+/-134.161 χ^2/NDF: 96.9/36

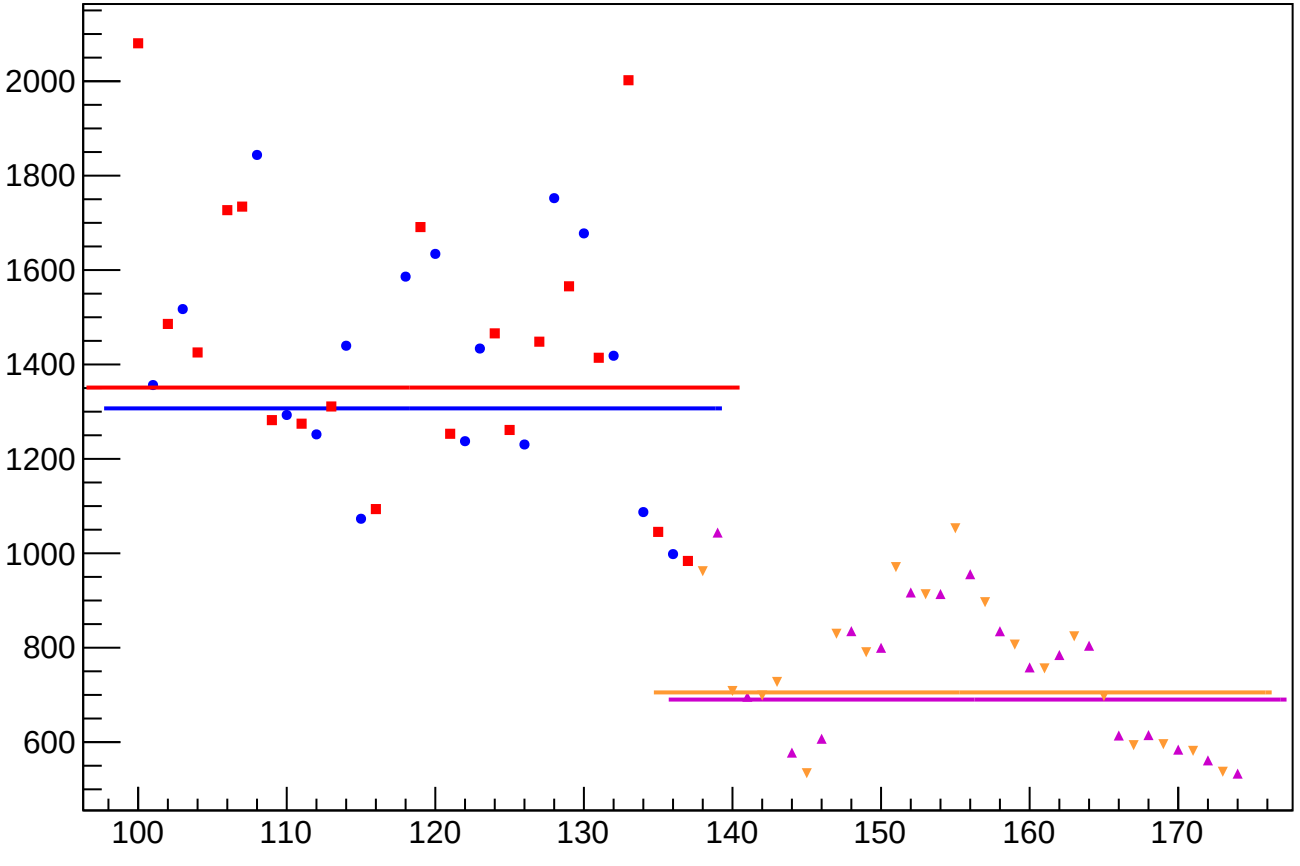
Right: -114.886+/-365.862 χ^2/NDF: 35.1/35

In: 2.252+/-176.981 χ^2/NDF:44.5/34

Out: 822.195+/-179.309 χ^2/NDF:79.2/37

All: 406.867+/-125.959 χ^2/NDF: 134.3/72

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: 690.133+/-0.133 χ^2/NDF:1077996.3/17

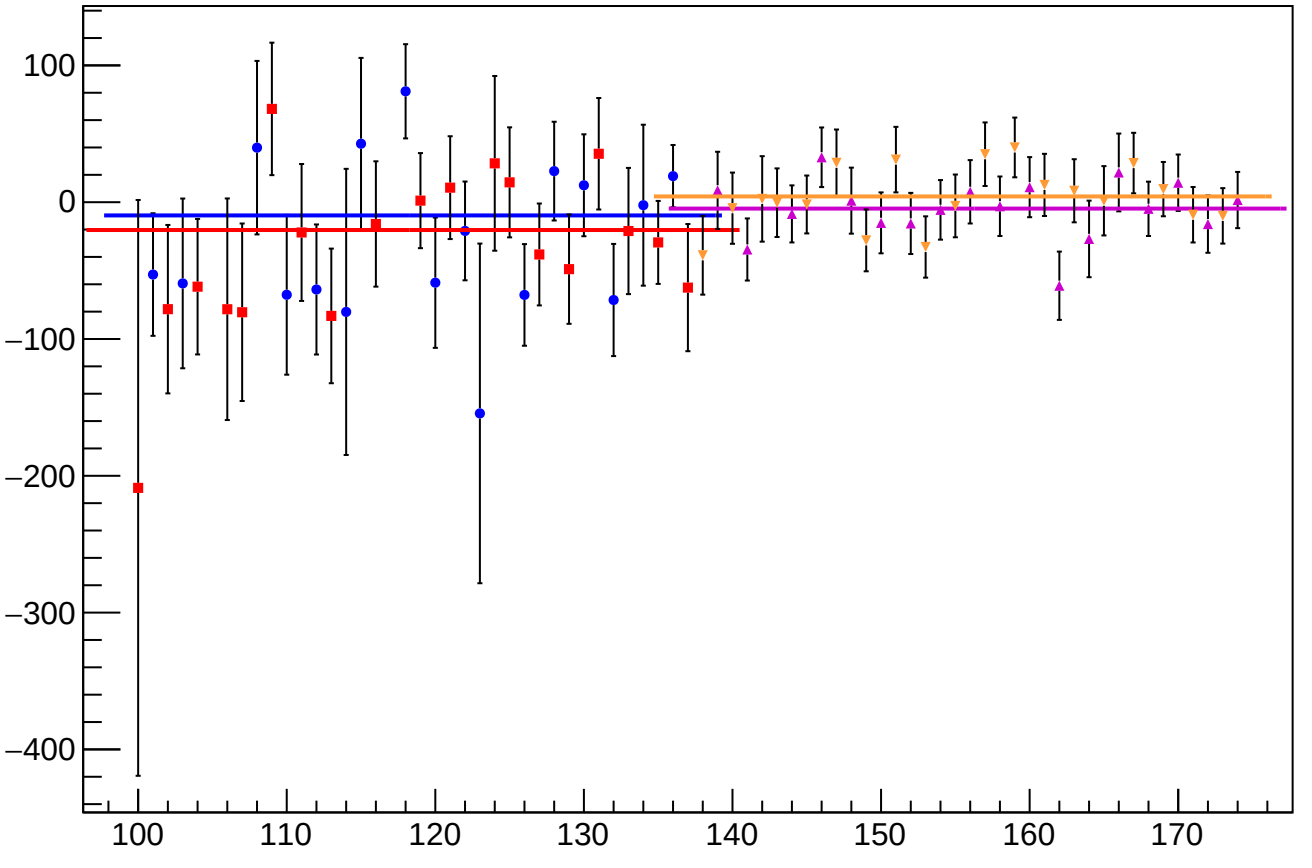
Left: 697.595+/-0.095 χ^2/NDF: 2231422.2/36

Right: 1329.131+/-0.259 χ^2/NDF: 880266.0/35

In: 762.001+/-0.125 χ^2/NDF:4030095.6/34

Out: 783.176+/-0.127 χ^2/NDF:4320373.8/37

All: 772.450+/-0.089 χ^2/NDF: 8364597.6/72



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: -4.672+/-5.334 χ^2/NDF:14.1/17

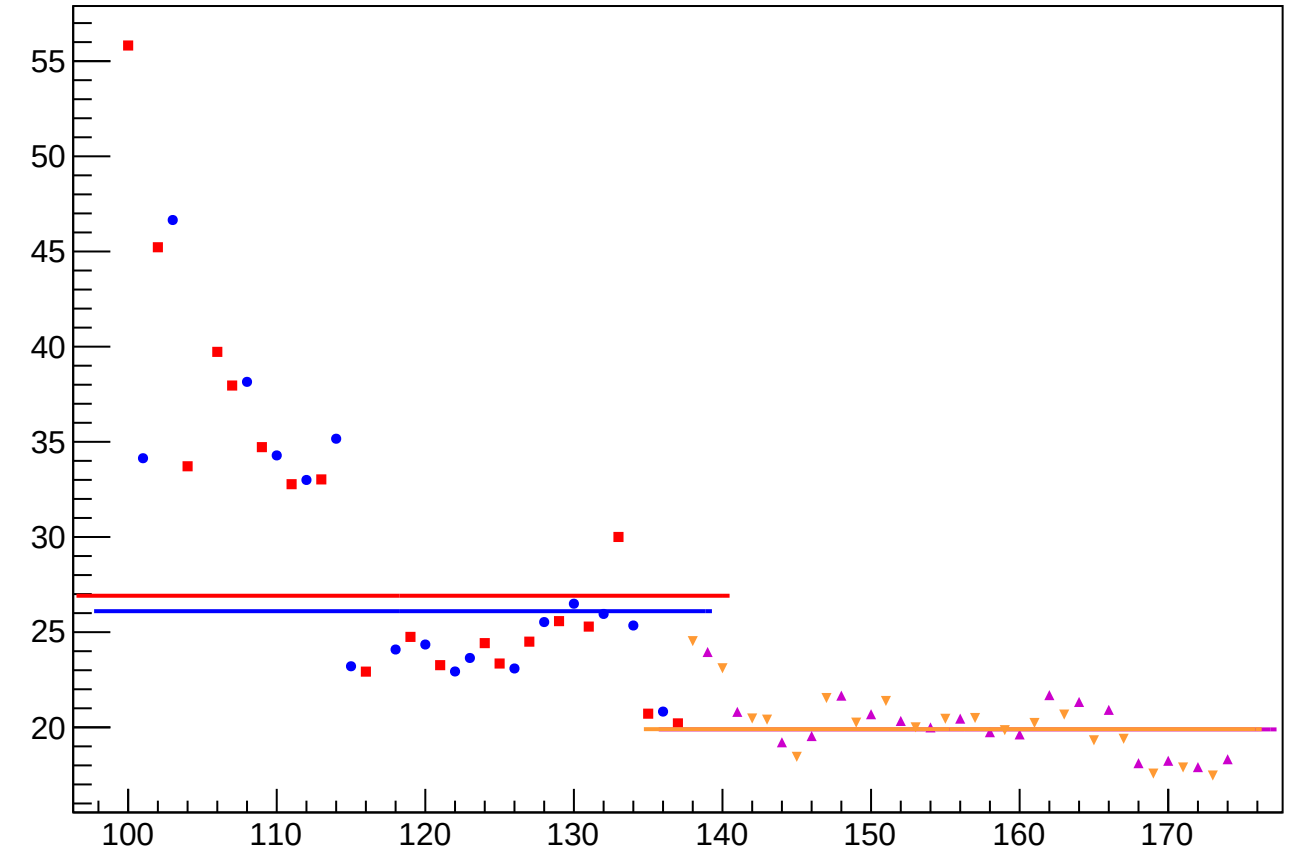
Left: -0.207+/-3.760 χ^2/NDF: 31.9/36

Right: -14.983+/-7.372 χ^2/NDF: 37.7/35

In: -5.711+/-4.747 χ^2/NDF:36.8/34

Out: -0.825+/-4.727 χ^2/NDF:35.5/37

All: -3.258+/-3.349 χ^2/NDF: 72.8/72



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: 19.892+/-0.004 χ^2/NDF:139882.3/17

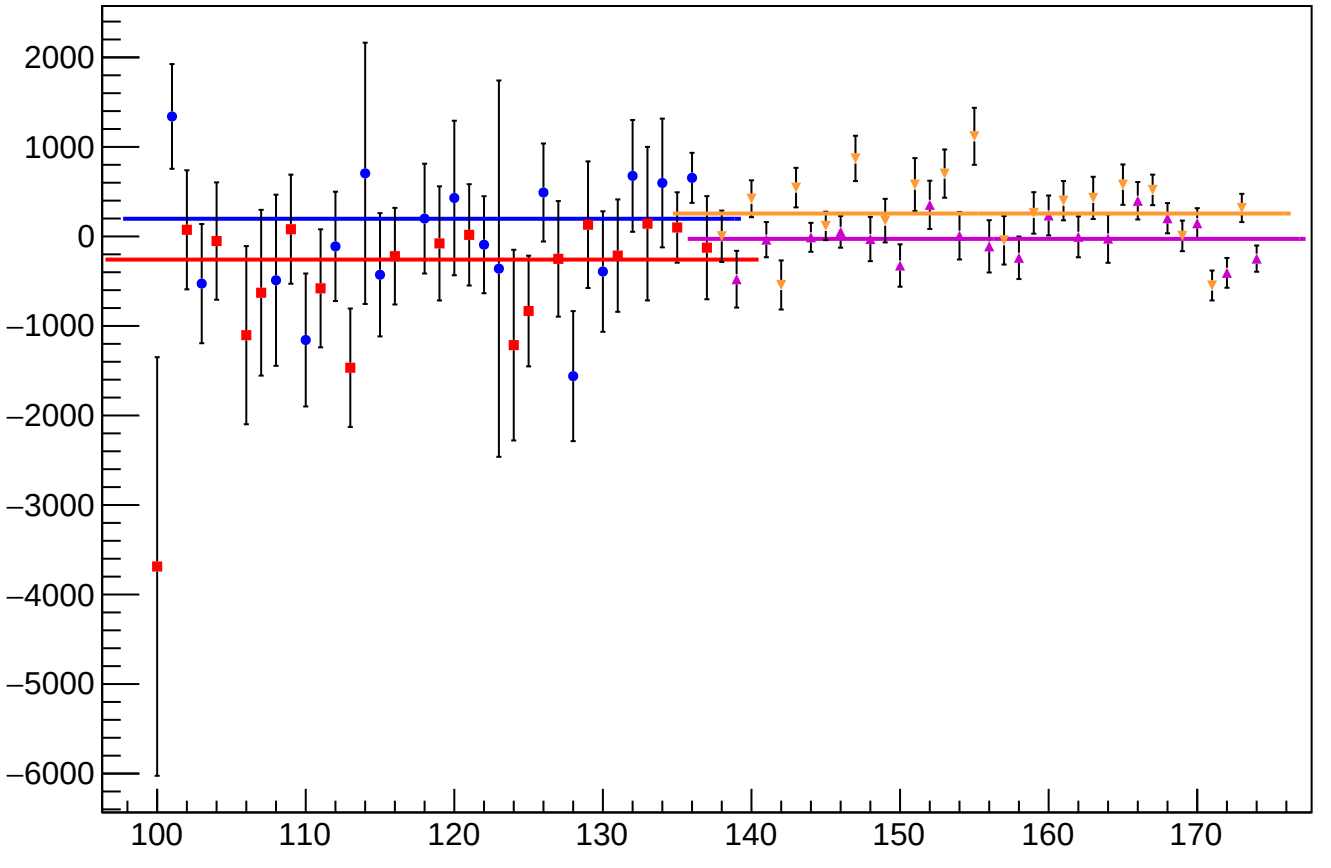
Left: 19.898+/-0.003 χ^2/NDF: 333219.4/36

Right: 26.507+/-0.005 χ^2/NDF: 1289062.8/35

In: 21.184+/-0.003 χ^2/NDF:1308001.1/34

Out: 21.340+/-0.003 χ^2/NDF:1588708.0/37

All: 21.262+/-0.002 χ^2/NDF: 2897800.6/72



Right In: 197.327+/-147.883 χ^2/NDF: 21.0/16

Left Out: 255.950+/-49.266 χ^2/NDF:61.7/18

Right Out: -258.537+/-149.867 χ^2/NDF: 10.7/18

Left In: -27.396+/-48.406 χ^2/NDF:22.6/17

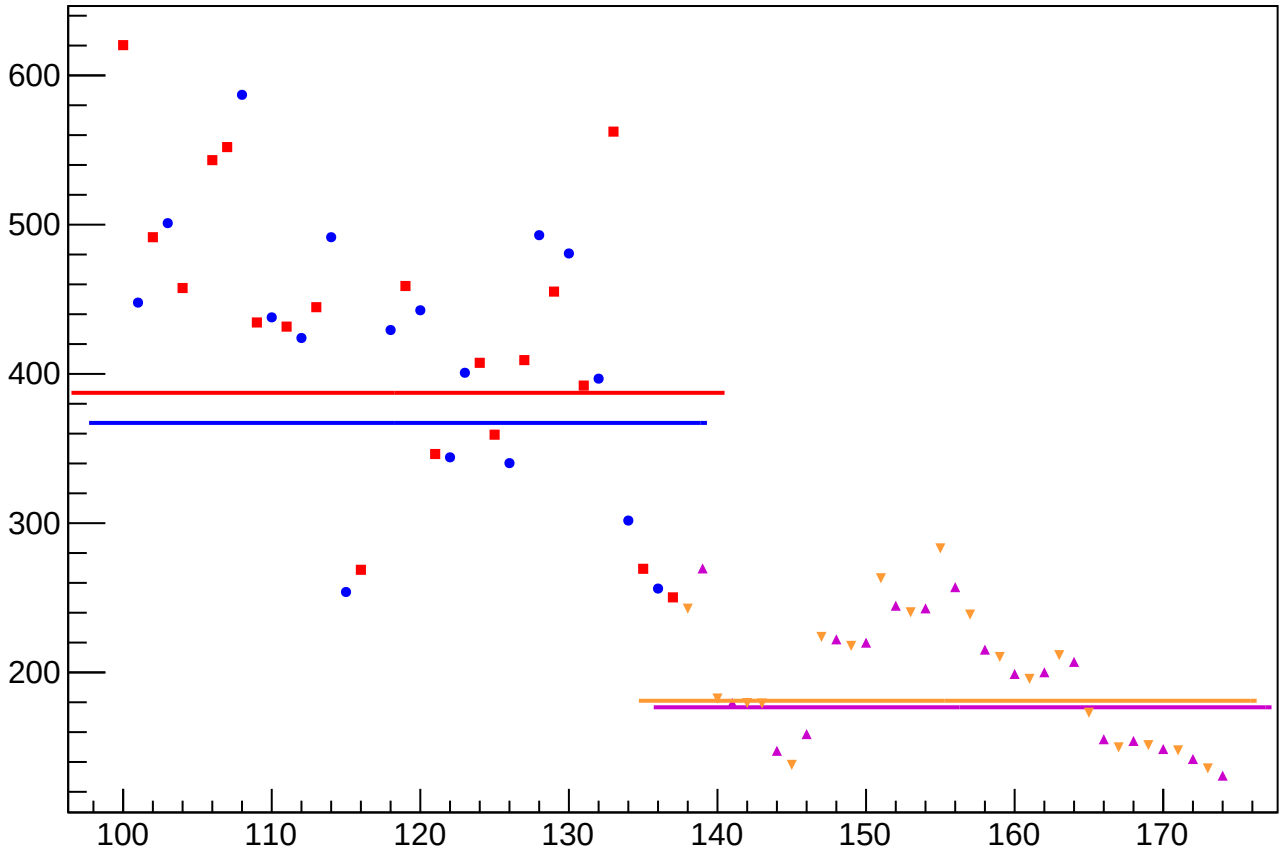
Left: 111.782+/-34.528 χ^2/NDF: 101.2/36

Right: -27.568+/-105.264 χ^2/NDF: 36.3/35

In: -5.649+/-46.004 χ^2/NDF:45.7/34

Out: 205.775+/-46.802 χ^2/NDF:83.0/37

All: 98.245+/-32.808 χ^2/NDF: 139.1/72



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: 176.639+/-0.034 χ^2/NDF:1311154.6/17

Left: 178.791+/-0.024 χ^2/NDF: 2656869.3/36

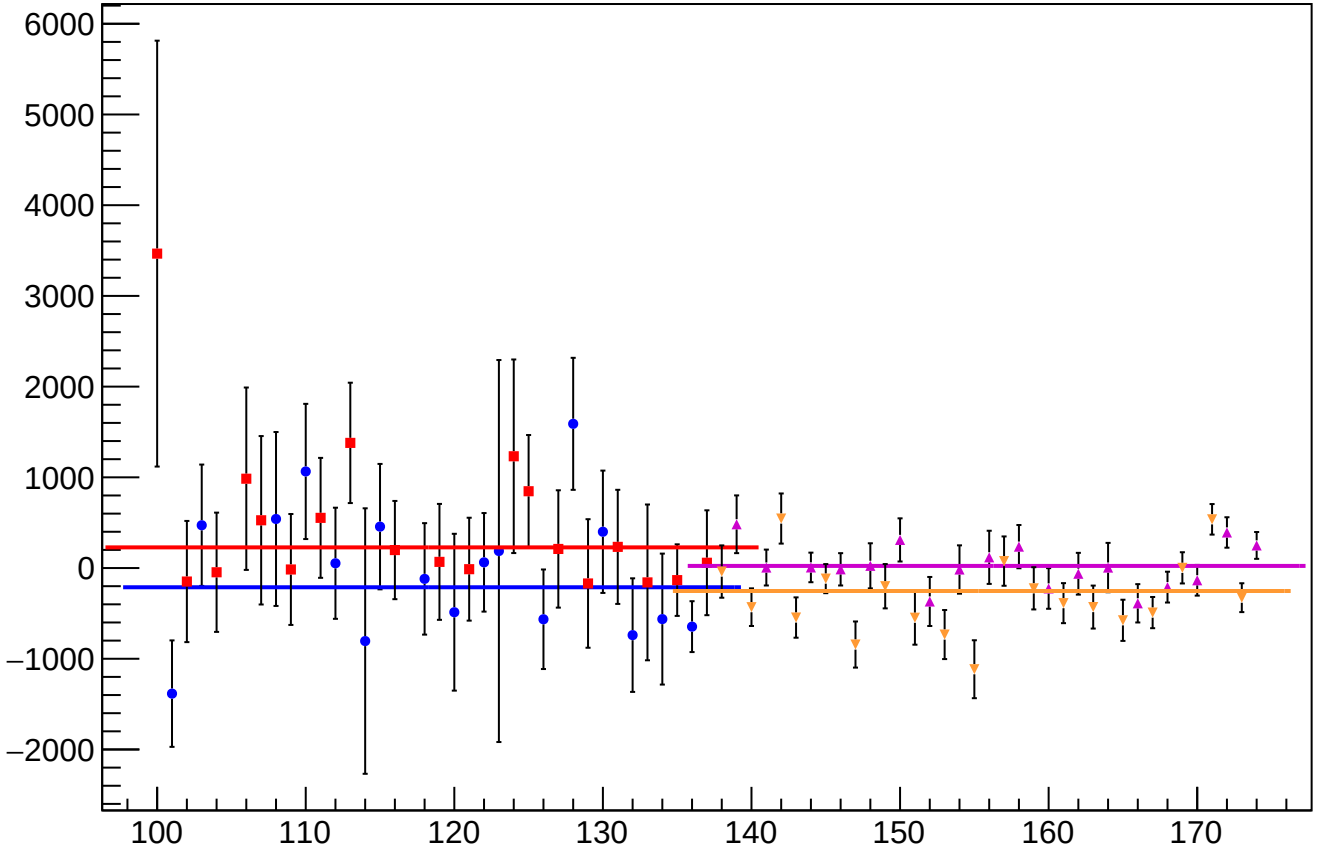
Right: 377.128+/-0.074 χ^2/NDF: 1620053.1/35

In: 195.078+/-0.033 χ^2/NDF:5137251.6/34

Out: 201.143+/-0.033 χ^2/NDF:5533172.8/37

All: 198.058+/-0.023 χ^2/NDF: 10687507.0/72

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: 23.467+/-48.742 χ^2/NDF:21.7/17

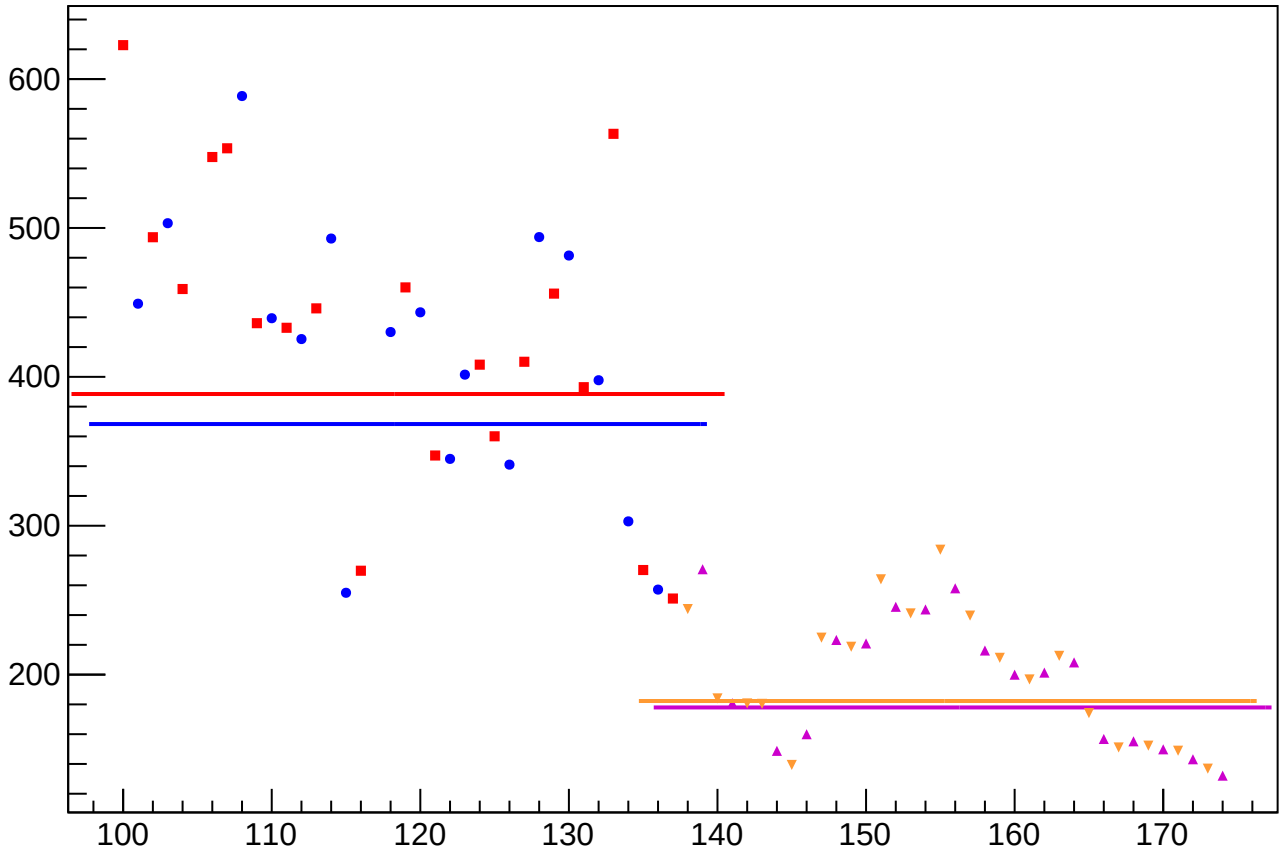
Left: -112.396+/-34.761 χ^2/NDF: 97.3/36

Right: 5.040+/-105.575 χ^2/NDF: 35.4/35

In: 0.529+/-46.305 χ^2/NDF:45.0/34

Out: -205.825+/-47.091 χ^2/NDF:79.0/37

All: -100.911+/-33.017 χ^2/NDF: 133.8/72



Right In: 368.302+/-0.105 χ^2/NDF: 824619.2/16

Left Out: 182.280+/-0.035 χ^2/NDF:1317164.5/18

Right Out: 388.472+/-0.106 χ^2/NDF: 774717.2/18

Left In: 177.947+/-0.034 χ^2/NDF:1288396.3/17

Left: 180.076+/-0.025 χ^2/NDF: 2613330.4/36

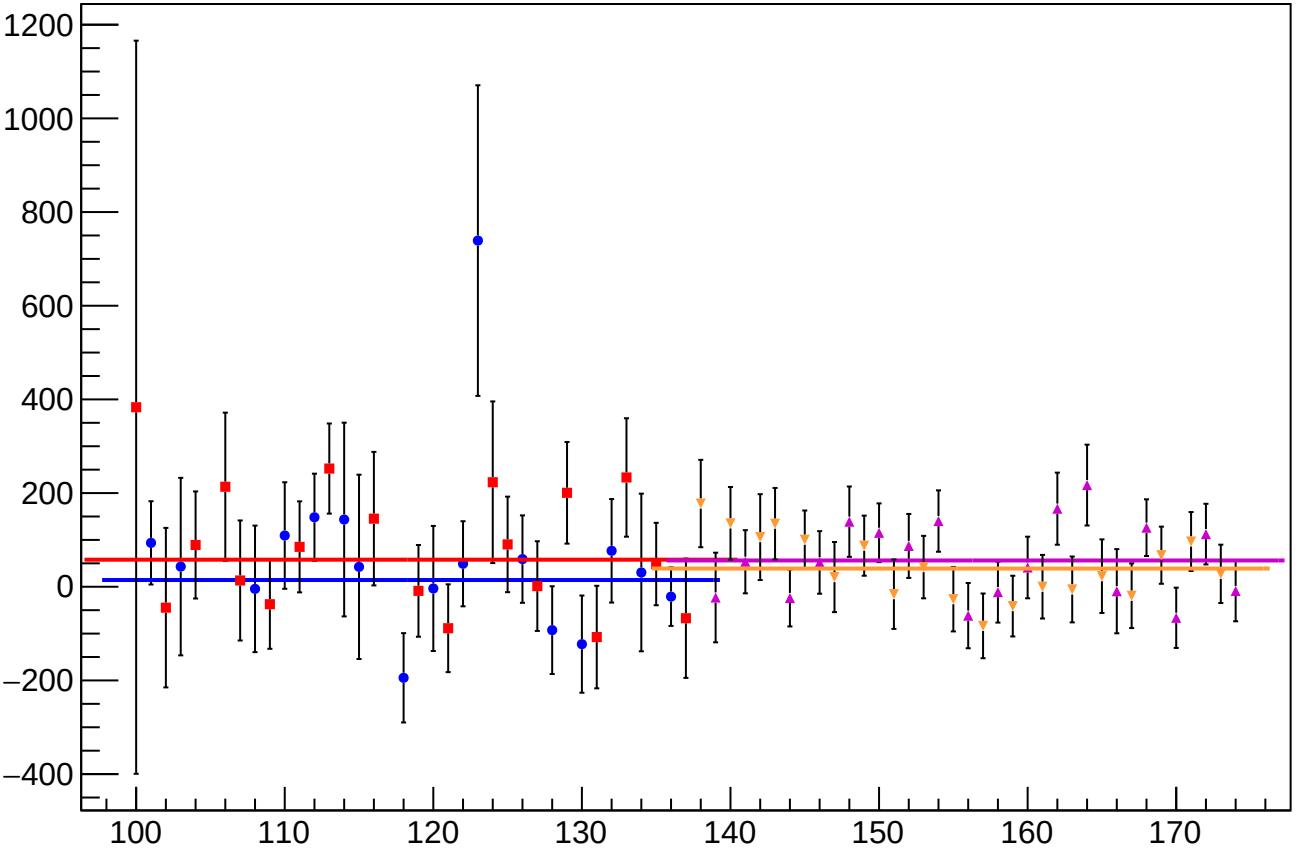
Right: 378.252+/-0.075 χ^2/NDF: 1617584.5/35

In: 196.501+/-0.033 χ^2/NDF:5086345.5/34

Out: 202.517+/-0.033 χ^2/NDF:5485759.5/37

All: 199.458+/-0.023 χ^2/NDF: 10588701.3/72

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385+/-26.334 χ^2/NDF: 17.7/16

Left Out: 38.899+/-16.041 χ^2/NDF:16.2/18

Right Out: 57.795+/-26.121 χ^2/NDF: 18.4/18

Left In: 56.116+/-16.232 χ^2/NDF:23.2/17

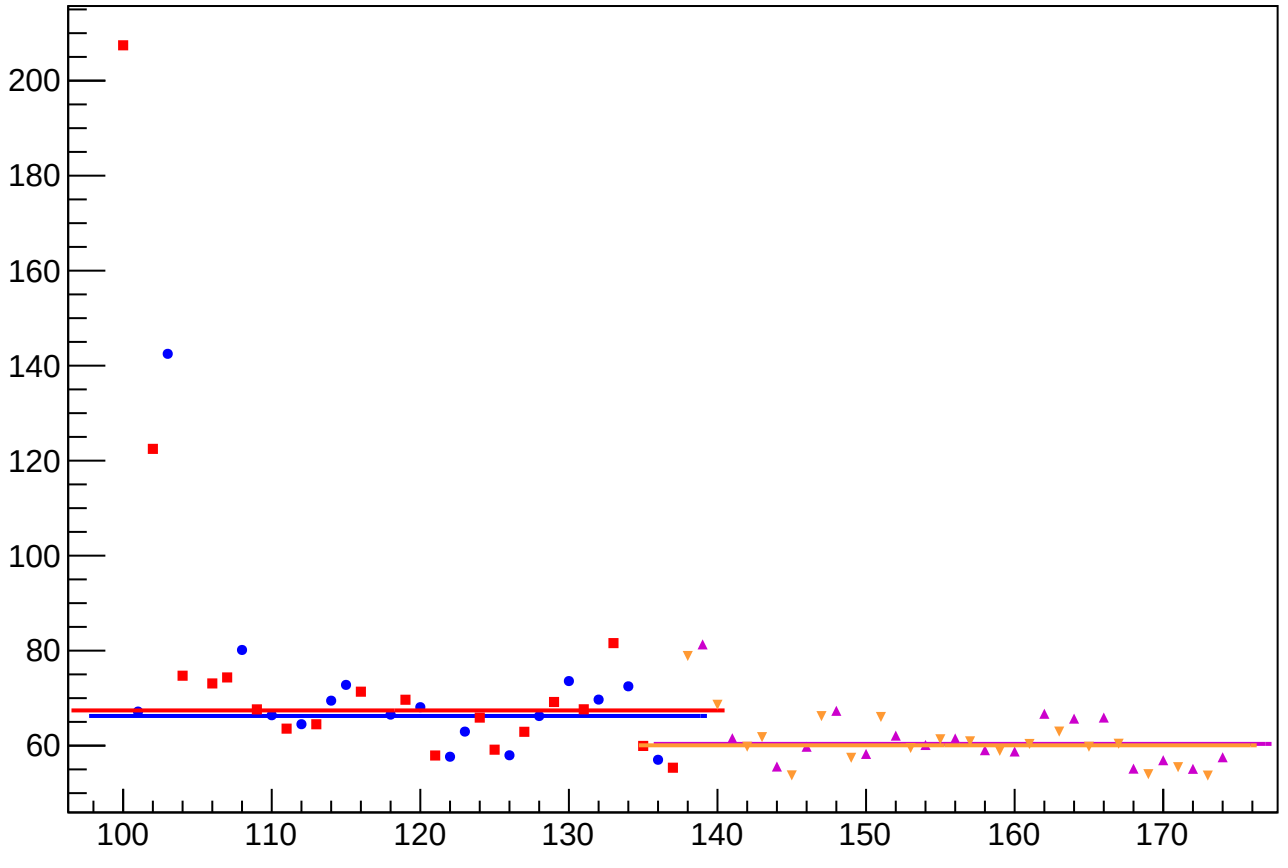
Left: 47.406+/-11.410 χ^2/NDF: 39.9/36

Right: 36.266+/-18.545 χ^2/NDF: 37.5/35

In: 44.627+/-13.818 χ^2/NDF:42.7/34

Out: 44.074+/-13.669 χ^2/NDF:35.0/37

All: 44.347+/-9.718 χ^2/NDF: 77.7/72



Right In: 66.247+/-0.019 χ^2/NDF: 440944.2/16

Left Out: 60.070+/-0.011 χ^2/NDF:213614.2/18

Right Out: 67.415+/-0.018 χ^2/NDF: 393608.5/18

Left In: 60.369+/-0.011 χ^2/NDF:198525.3/17

Left: 60.218+/-0.008 χ^2/NDF: 412481.1/36

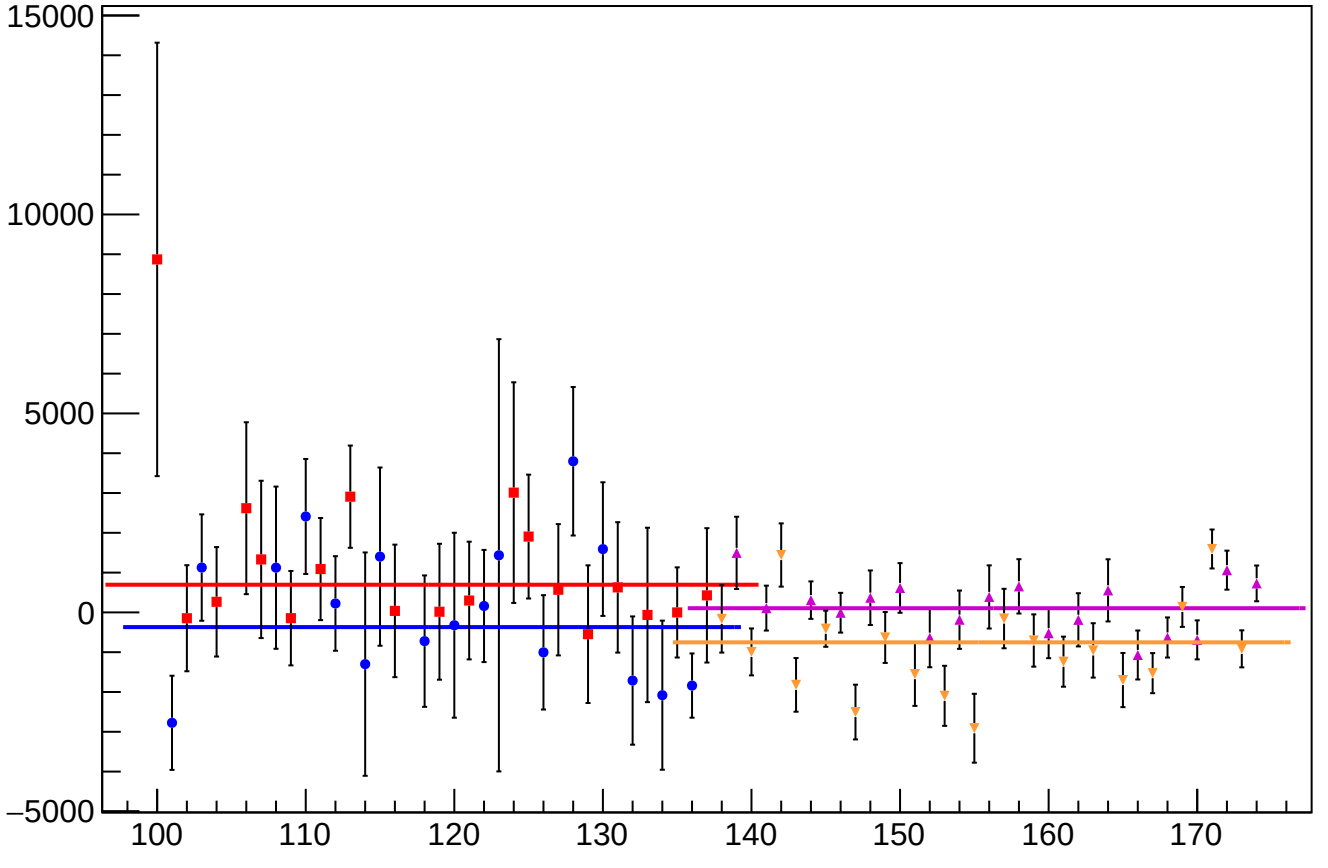
Right: 66.836+/-0.013 χ^2/NDF: 836536.0/35

In: 61.987+/-0.010 χ^2/NDF:711696.9/34

Out: 62.082+/-0.010 χ^2/NDF:722050.5/37

All: 62.035+/-0.007 χ^2/NDF: 1433794.8/72

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: 105.209+/-139.682 χ^2/NDF:21.0/17

Left: -317.158+/-99.497 χ^2/NDF: 99.7/36

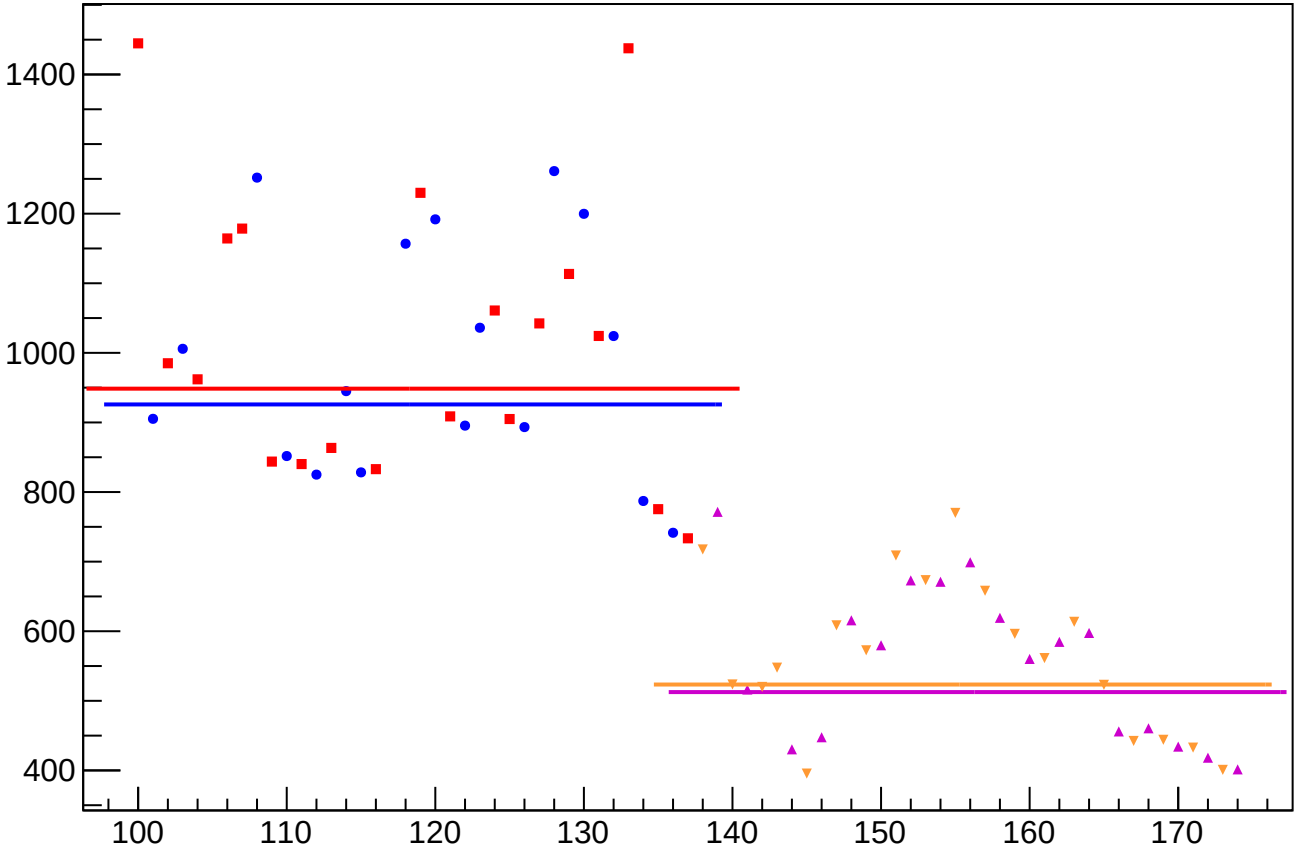
Right: 169.586+/-257.485 χ^2/NDF: 36.5/35

In: 44.976+/-130.520 χ^2/NDF:44.8/34

Out: -559.609+/-131.995 χ^2/NDF:84.0/37

All: -253.920+/-92.809 χ^2/NDF: 139.3/72

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: 512.556+/-0.099 χ^2/NDF:1016796.5/17

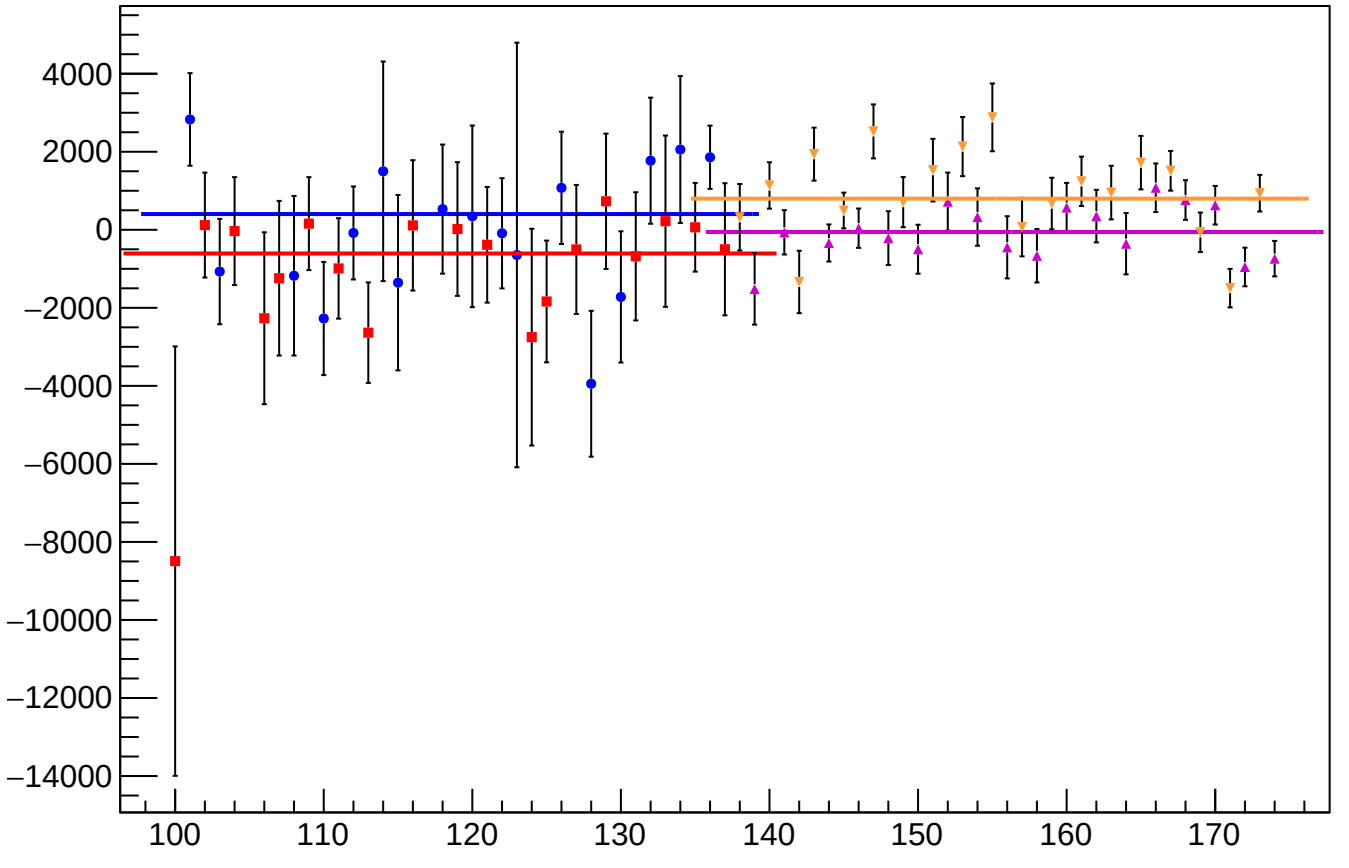
Left: 517.905+/-0.070 χ^2/NDF: 2121808.8/36

Right: 937.360+/-0.182 χ^2/NDF: 776890.8/35

In: 564.996+/-0.092 χ^2/NDF:3629716.5/34

Out: 579.974+/-0.093 χ^2/NDF:3873994.4/37

All: 572.401+/-0.066 χ^2/NDF: 7516731.6/72



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: -55.875+/-140.742 χ^2/NDF:20.8/17

Left: 365.164+/-100.230 χ^2/NDF: 95.8/36

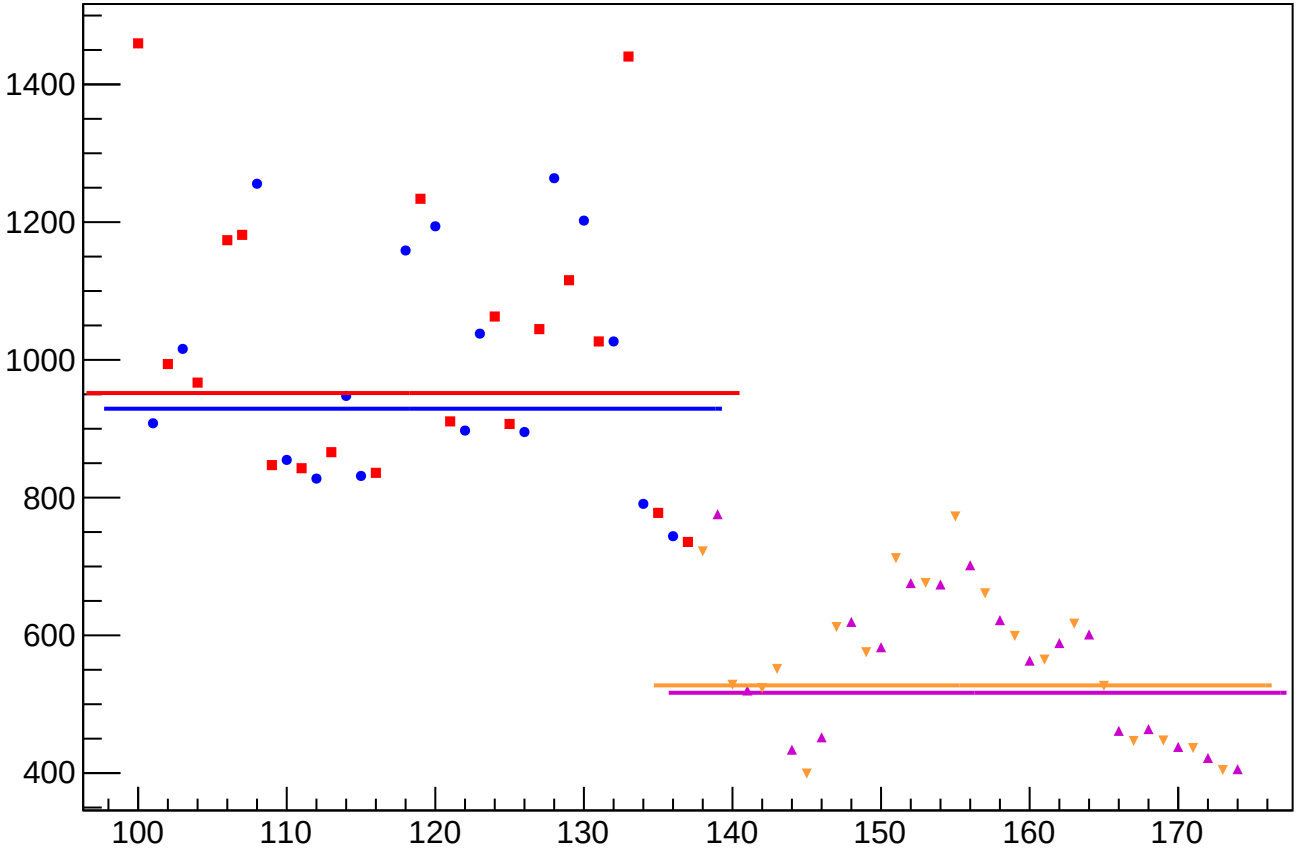
Right: -107.869+/-258.438 χ^2/NDF: 35.1/35

In: 2.842+/-131.441 χ^2/NDF:44.6/34

Out: 610.417+/-132.882 χ^2/NDF:78.6/37

All: 303.317+/-93.448 χ^2/NDF: 133.8/72

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096+/-0.260 χ^2/NDF: 390292.1/16

Left Out: 527.340+/-0.101 χ^2/NDF:1080023.6/18

Right Out: 951.847+/-0.257 χ^2/NDF: 382219.3/18

Left In: 516.639+/-0.100 χ^2/NDF:997384.2/17

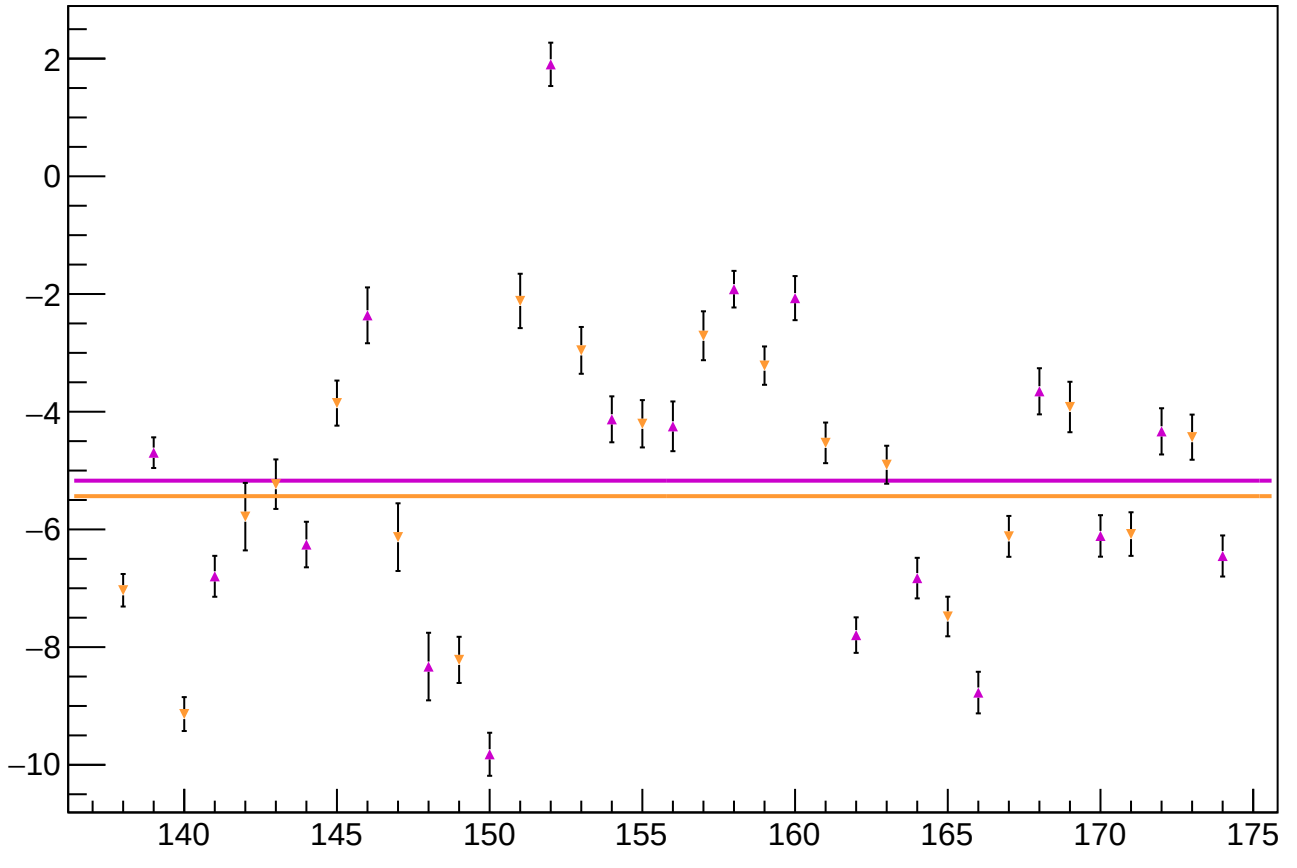
Left: 521.913+/-0.071 χ^2/NDF: 2083106.6/36

Right: 940.607+/-0.183 χ^2/NDF: 776385.5/35

In: 569.348+/-0.093 χ^2/NDF:3582778.0/34

Out: 584.124+/-0.094 χ^2/NDF:3827283.1/37

All: 576.656+/-0.066 χ^2/NDF: 7422560.0/72



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: -5.172+/-0.085 χ^2/NDF:1061.2/17

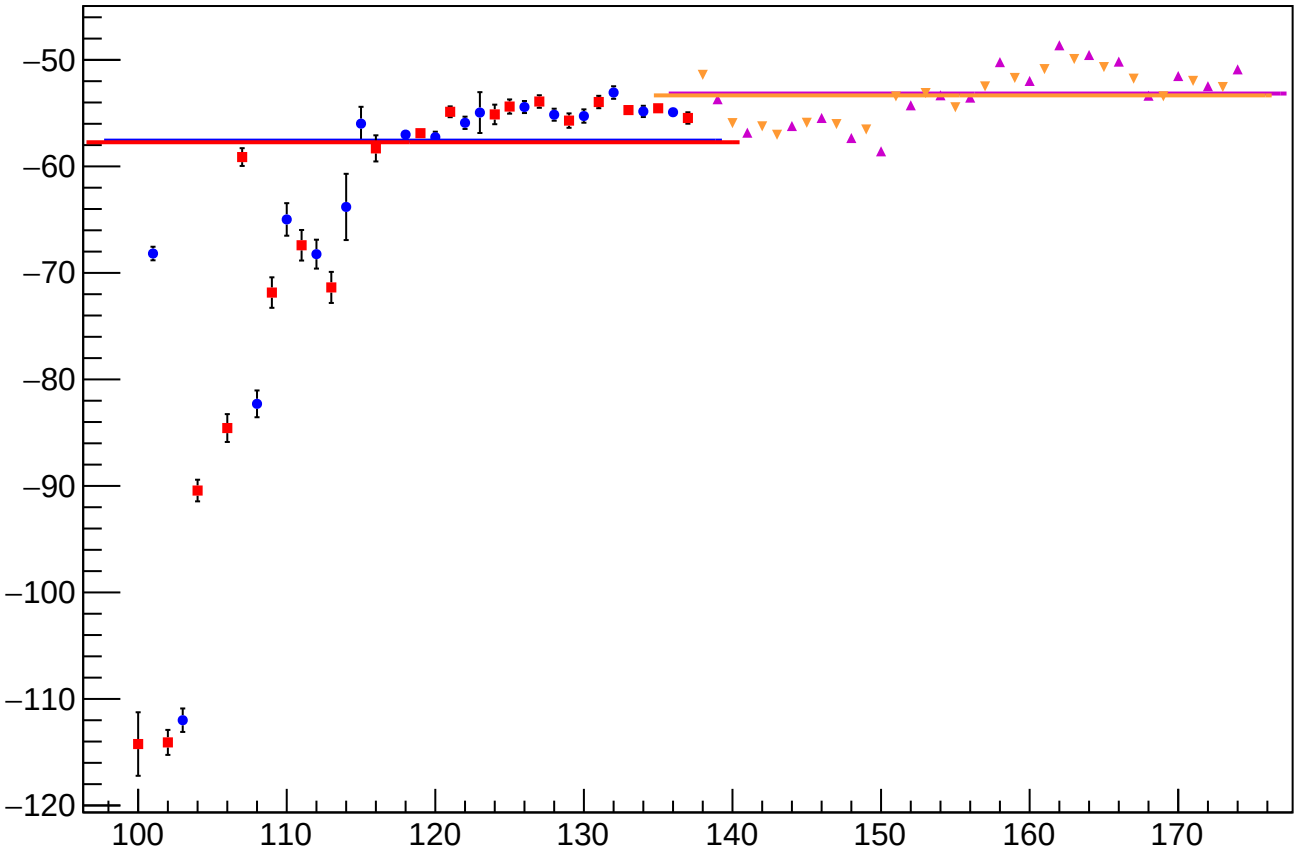
Left: -5.303+/-0.060 χ^2/NDF: 1595.9/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -5.172+/-0.085 χ^2/NDF:1061.2/17

Out: -5.435+/-0.085 χ^2/NDF:529.9/18

All: -5.303+/-0.060 χ^2/NDF: 1595.9/36



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: -53.160+/-0.066 χ^2/NDF:1992.6/17

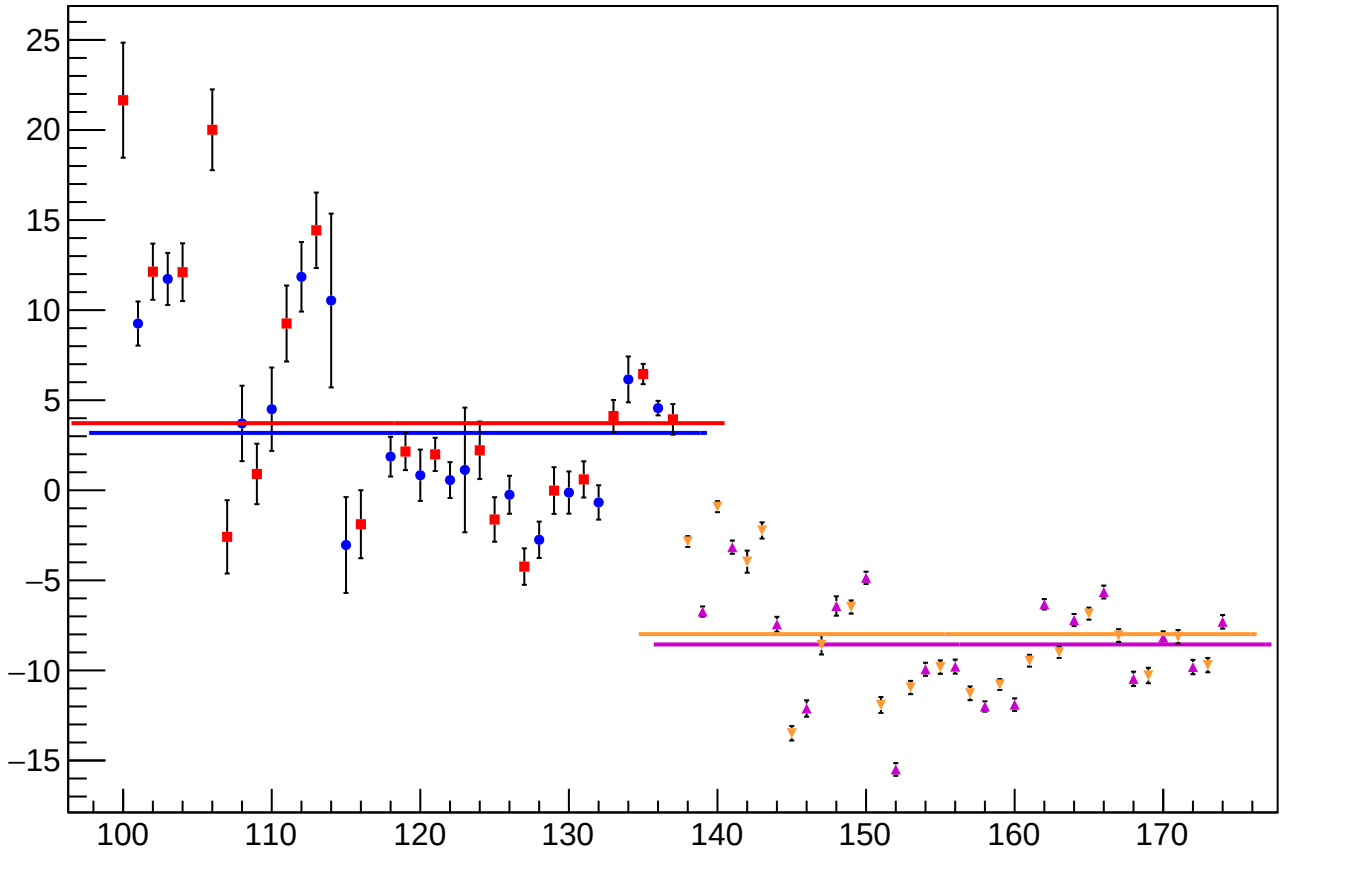
Left: -53.249+/-0.046 χ^2/NDF: 3197.4/36

Right: -57.657+/-0.101 χ^2/NDF: 8154.5/35

In: -53.931+/-0.060 χ^2/NDF:6236.6/34

Out: -54.068+/-0.058 χ^2/NDF:6688.3/37

All: -54.001+/-0.042 χ^2/NDF: 12927.6/72



Right In: 3.185+/-0.259 χ^2/NDF: 185.8/16

Left Out: -7.985+/-0.085 χ^2/NDF:1651.6/18

Right Out: 3.726+/-0.268 χ^2/NDF: 324.1/18

Left In: -8.558+/-0.084 χ^2/NDF:1289.5/17

Left: -8.274+/-0.060 χ^2/NDF: 2964.1/36

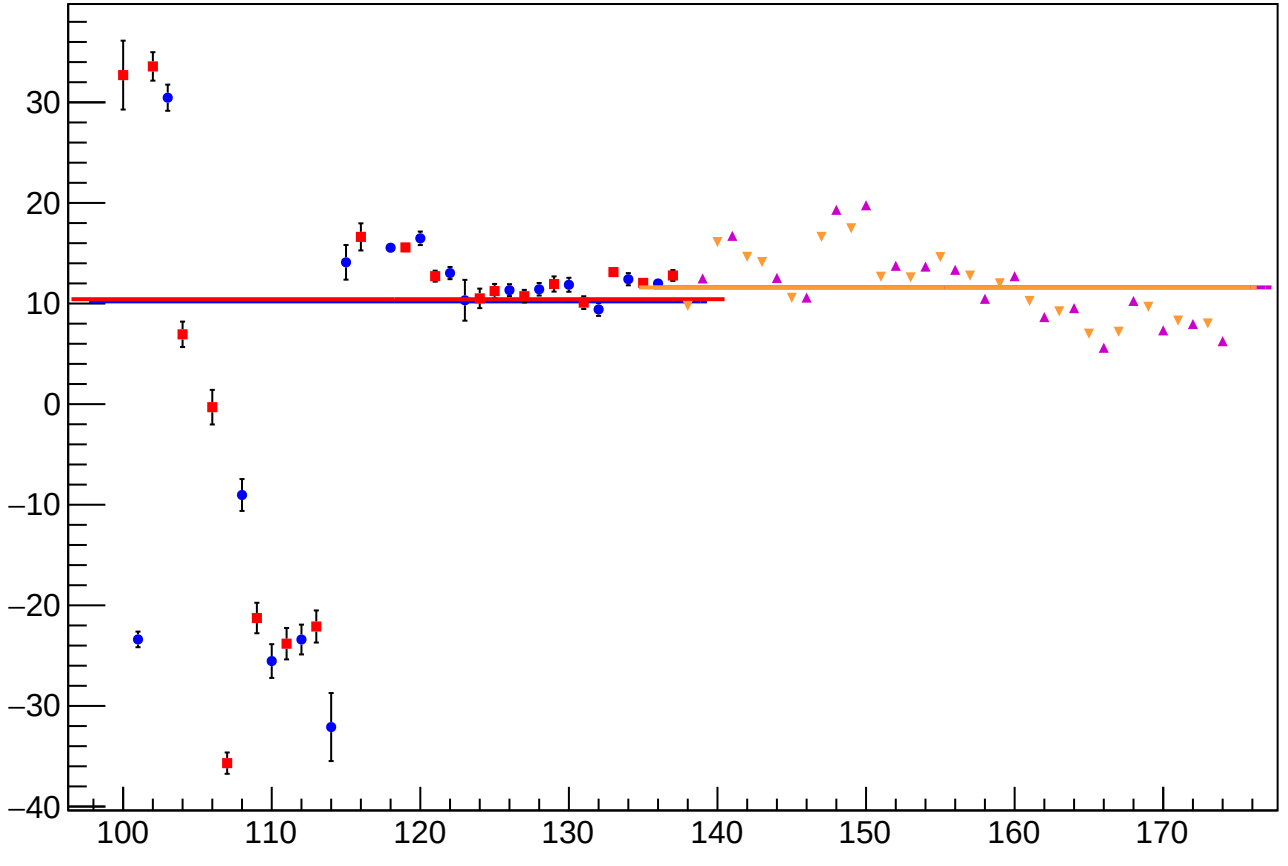
Right: 3.447+/-0.186 χ^2/NDF: 512.0/35

In: -7.436+/-0.080 χ^2/NDF:3334.6/34

Out: -6.916+/-0.081 χ^2/NDF:3716.9/37

All: -7.178+/-0.057 χ^2/NDF: 7072.5/72

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215+/-0.158 χ^2/NDF: 3692.6/16

Left Out: 11.604+/-0.072 χ^2/NDF:1822.1/18

Right Out: 10.430+/-0.160 χ^2/NDF: 3826.9/18

Left In: 11.603+/-0.074 χ^2/NDF:2760.2/17

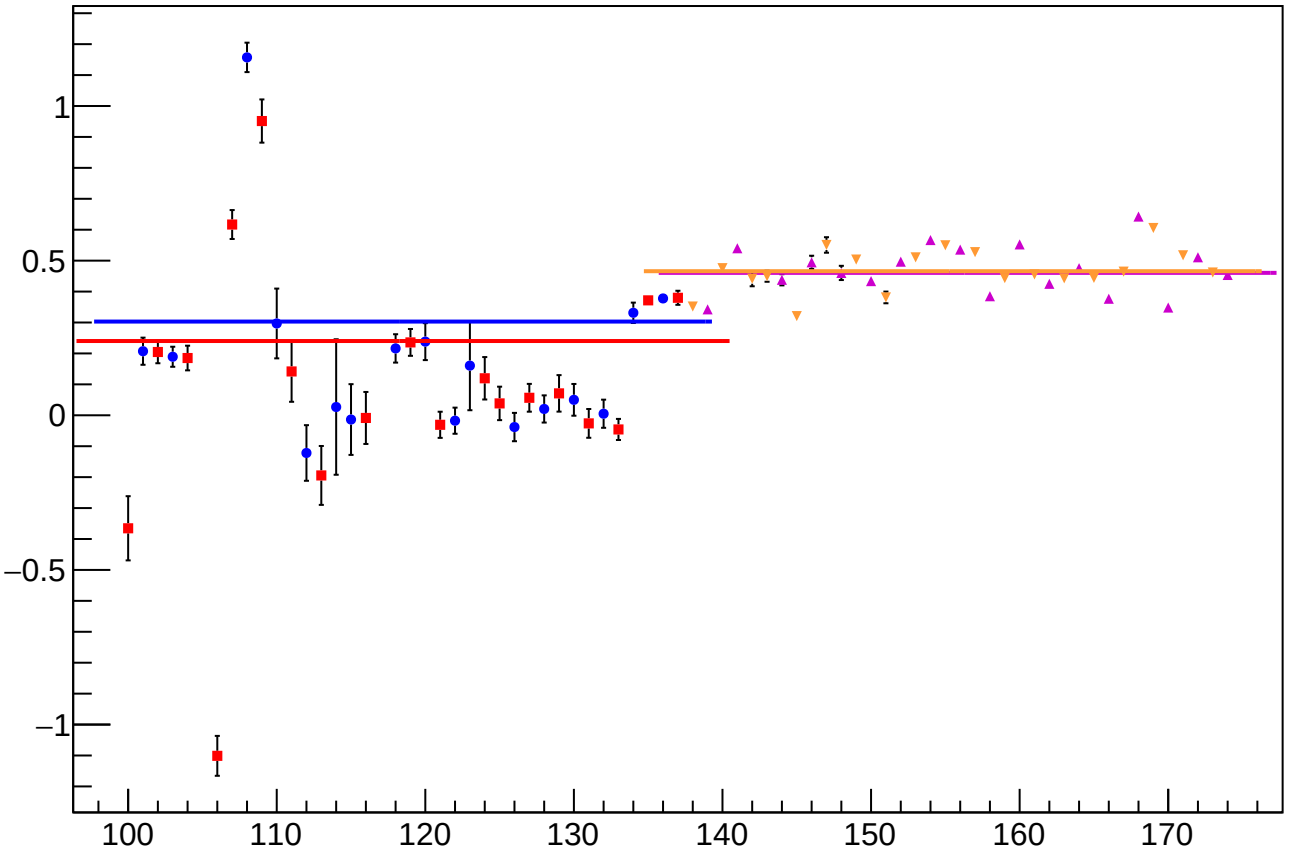
Left: 11.604+/-0.052 χ^2/NDF: 4582.3/36

Right: 10.321+/-0.112 χ^2/NDF: 7520.5/35

In: 11.356+/-0.067 χ^2/NDF:6516.3/34

Out: 11.404+/-0.066 χ^2/NDF:5693.7/37

All: 11.380+/-0.047 χ^2/NDF: 12210.2/72



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:668.5/17

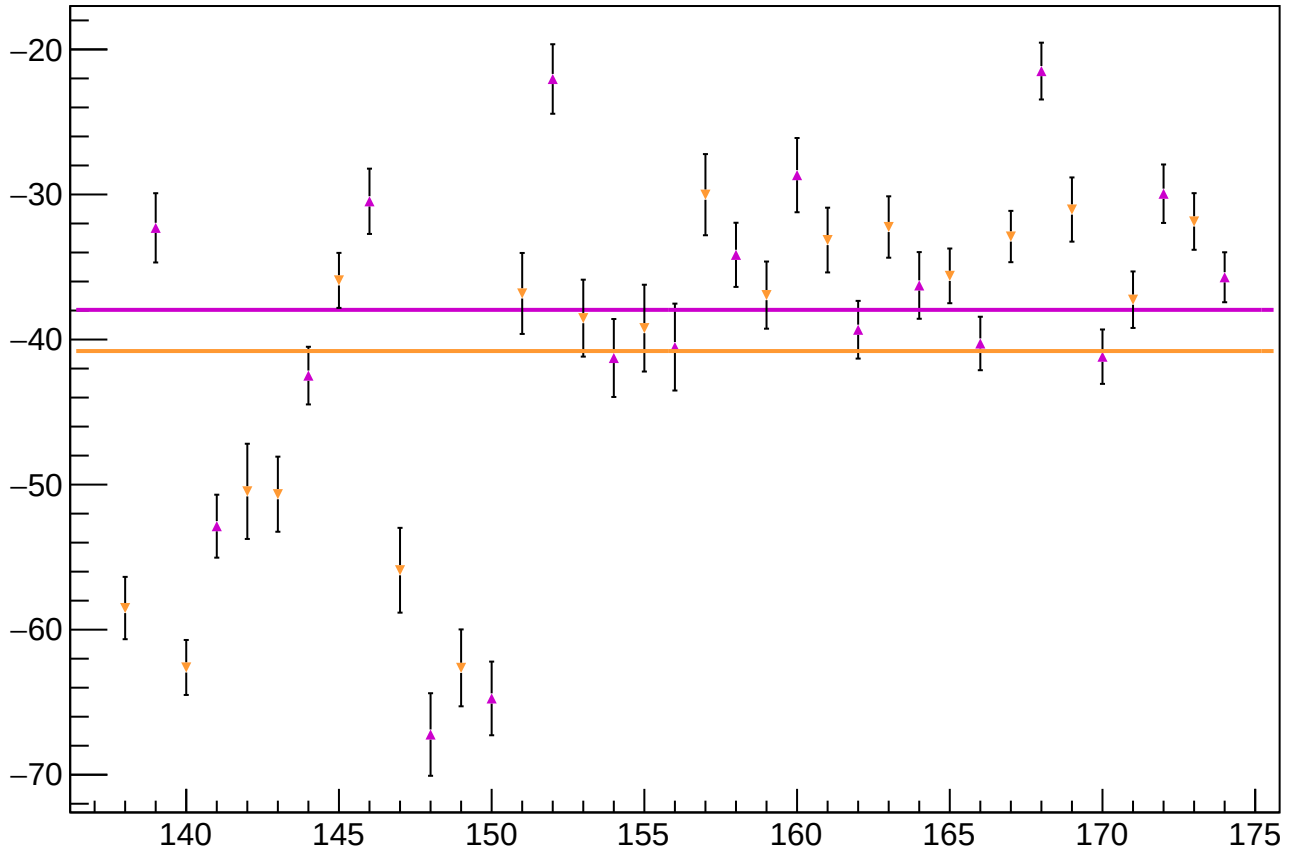
Left: 0.463+/-0.002 χ^2/NDF: 1071.6/36

Right: 0.273+/-0.006 χ^2/NDF: 1658.9/35

In: 0.440+/-0.003 χ^2/NDF:1633.4/34

Out: 0.437+/-0.003 χ^2/NDF:1997.8/37

All: 0.438+/-0.002 χ^2/NDF: 3631.5/72



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: -37.954+/-0.516 χ^2/NDF:442.3/17

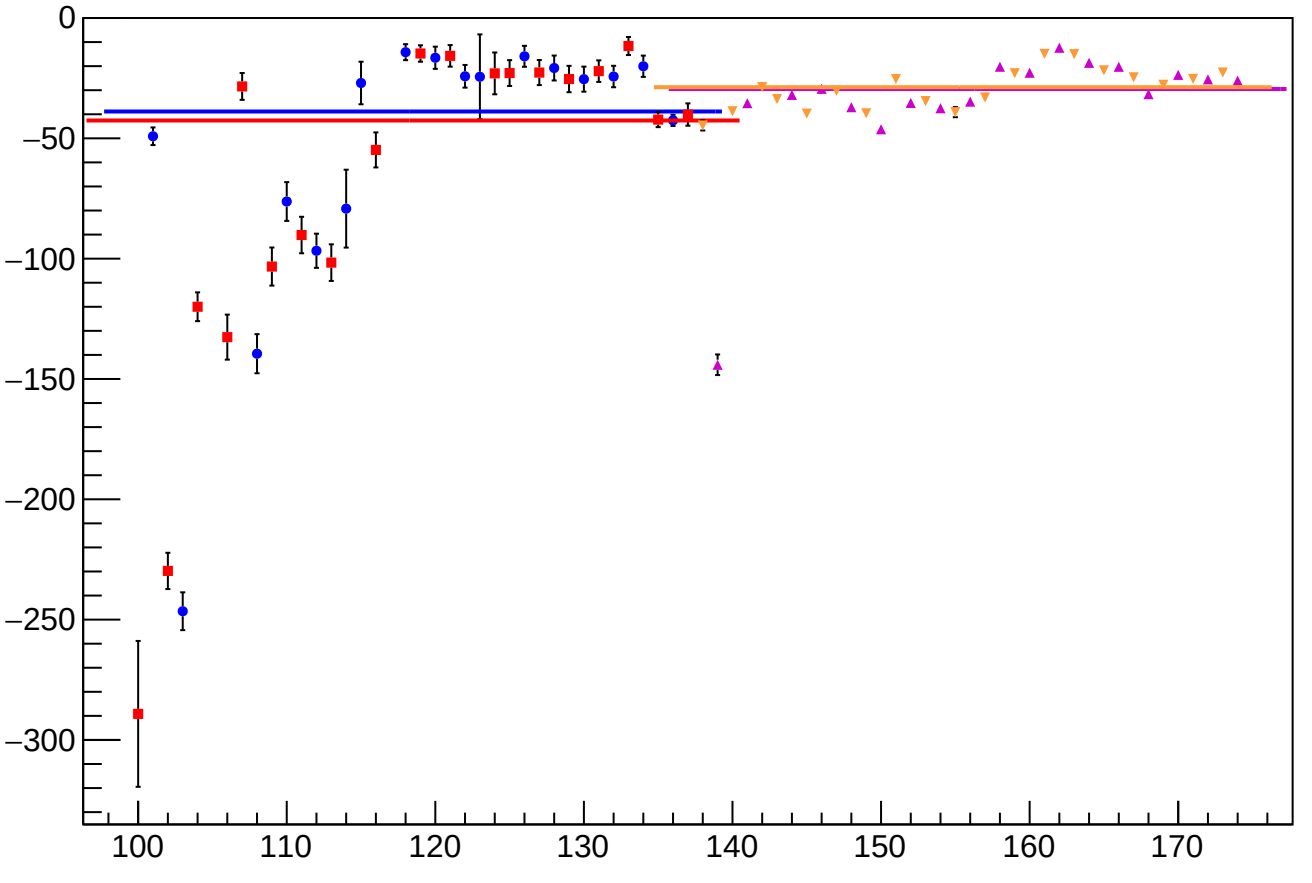
Left: -39.367+/-0.365 χ^2/NDF: 902.2/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -37.954+/-0.516 χ^2/NDF:442.3/17

Out: -40.793+/-0.518 χ^2/NDF:444.8/18

All: -39.367+/-0.365 χ^2/NDF: 902.2/36



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: -29.501+/-0.385 χ^2/NDF:1159.1/17

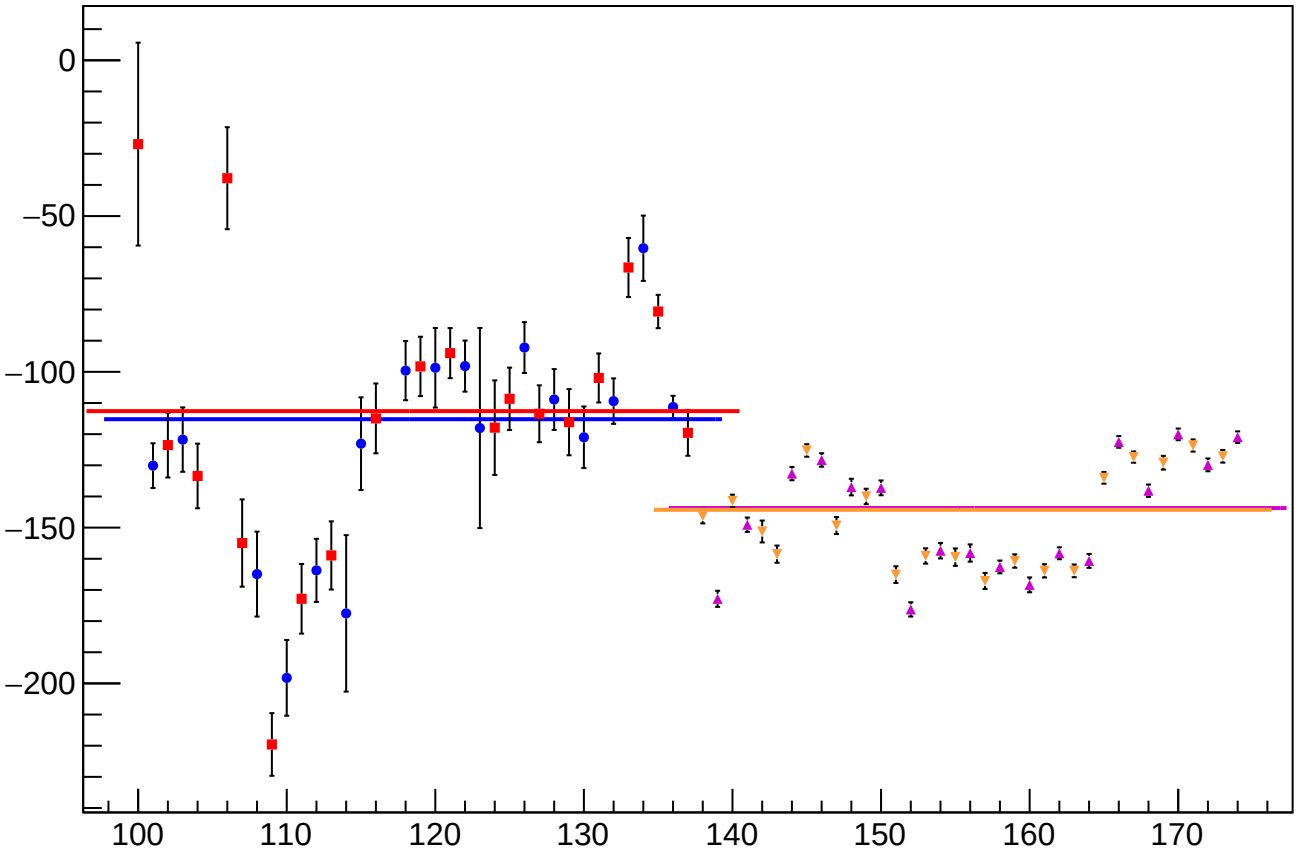
Left: -29.116+/-0.270 χ^2/NDF: 1617.4/36

Right: -40.617+/-0.833 χ^2/NDF: 2472.6/35

In: -30.446+/-0.365 χ^2/NDF:2340.5/34

Out: -29.981+/-0.362 χ^2/NDF:1921.2/37

All: -30.211+/-0.257 χ^2/NDF: 4262.5/72



Right In: -115.199+/-2.081 χ^2/NDF: 140.8/16

Left Out: -144.288+/-0.517 χ^2/NDF:915.5/18

Right Out: -112.611+/-2.209 χ^2/NDF: 272.4/18

Left In: -143.722+/-0.513 χ^2/NDF:1278.9/17

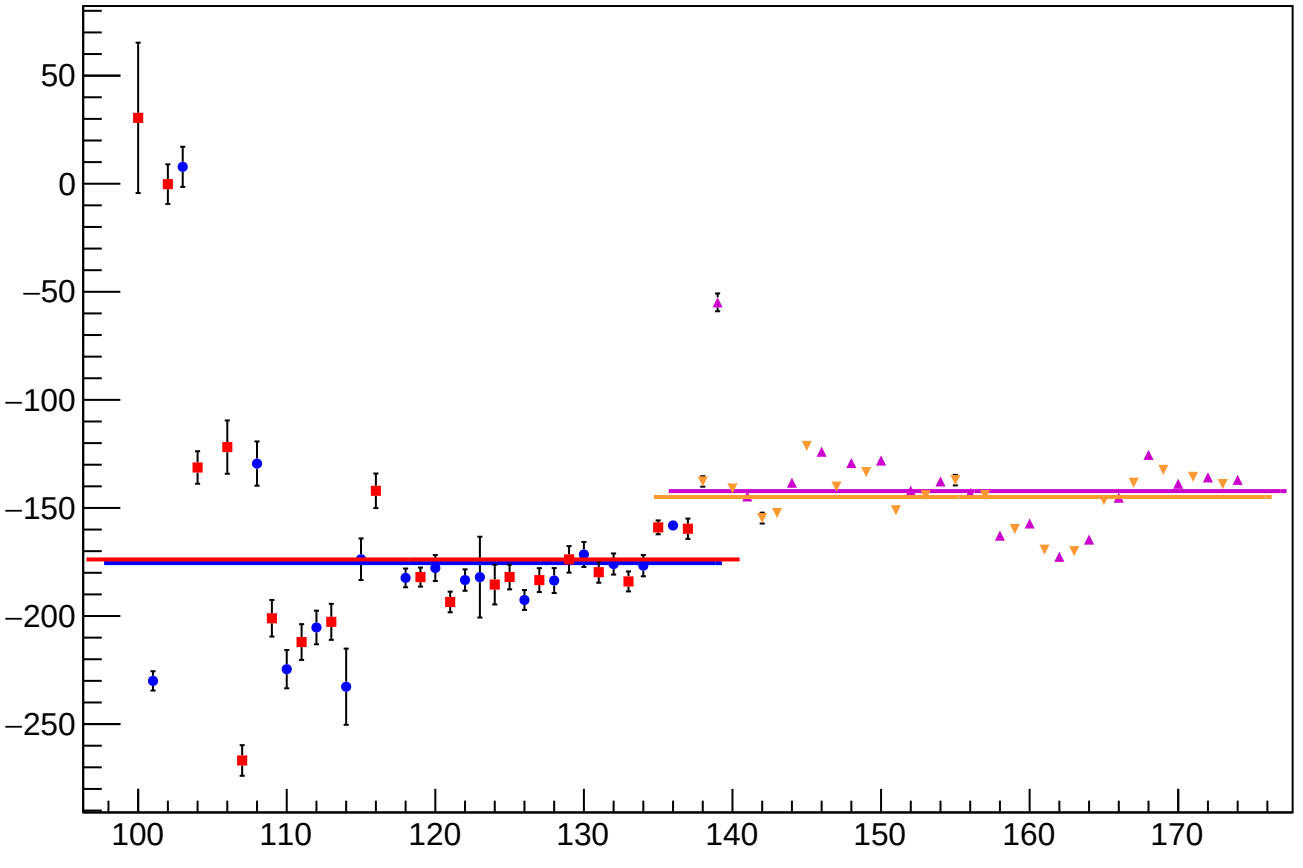
Left: -144.003+/-0.364 χ^2/NDF: 2195.0/36

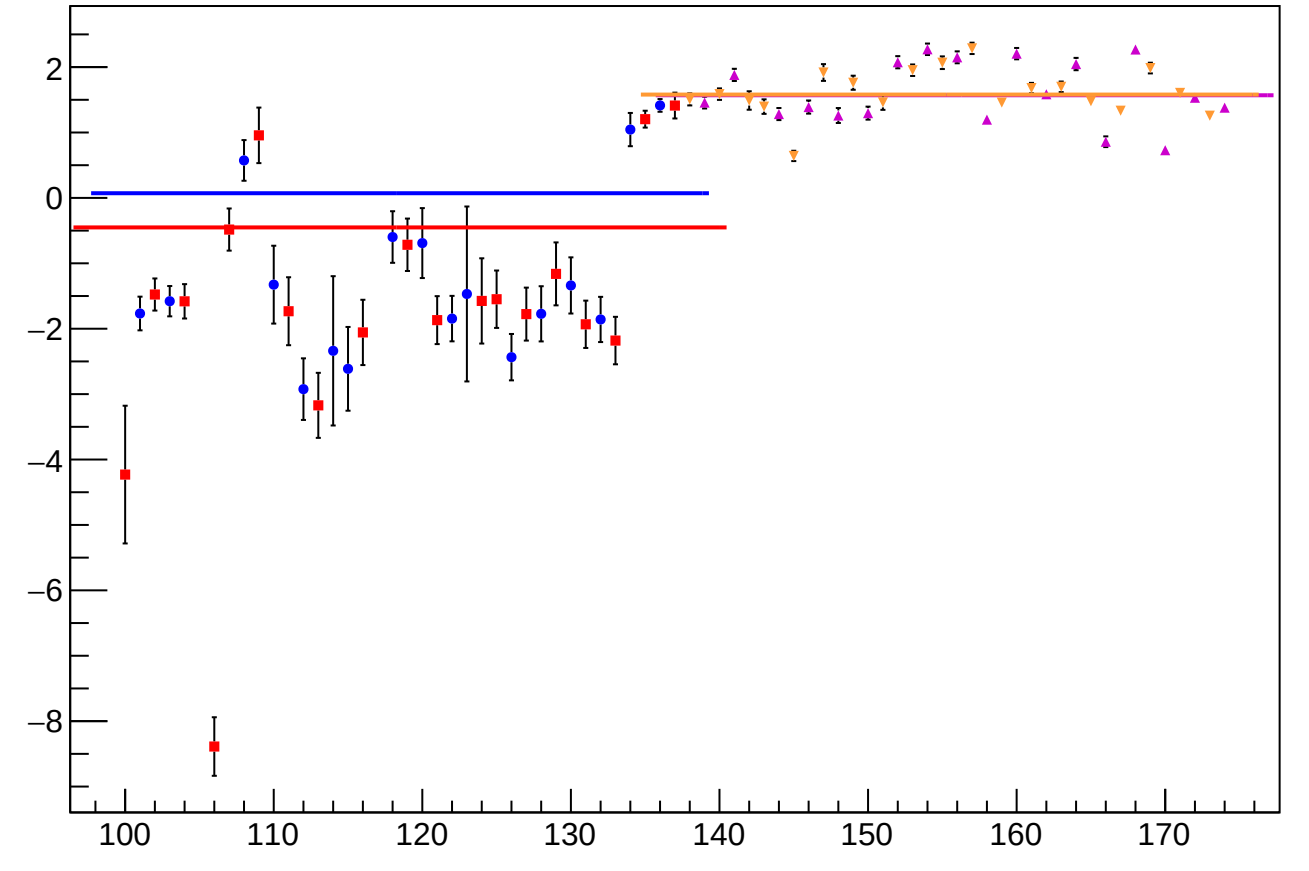
Right: -113.982+/-1.515 χ^2/NDF: 413.9/35

In: -142.091+/-0.498 χ^2/NDF:1596.7/34

Out: -142.644+/-0.503 χ^2/NDF:1382.8/37

All: -142.364+/-0.354 χ^2/NDF: 2980.2/72


reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
110
120
130
140
150
160
170
Right In: -175.521+/-1.277 χ²/NDF: 692.3/16
Left Out: -144.951+/-0.433 χ²/NDF:901.3/18
Right Out: -173.830+/-1.357 χ²/NDF: 737.9/18
Left In: -142.207+/-0.437 χ²/NDF:1463.4/17
Left: -143.593+/-0.308 χ²/NDF: 2384.5/36
Right: -174.726+/-0.930 χ²/NDF: 1431.0/35
In: -145.705+/-0.414 χ²/NDF:2764.7/34
Out: -147.622+/-0.412 χ²/NDF:2050.4/37
All: -146.667+/-0.292 χ²/NDF: 4825.9/72



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: 1.569+/-0.020 χ^2/NDF:599.3/17

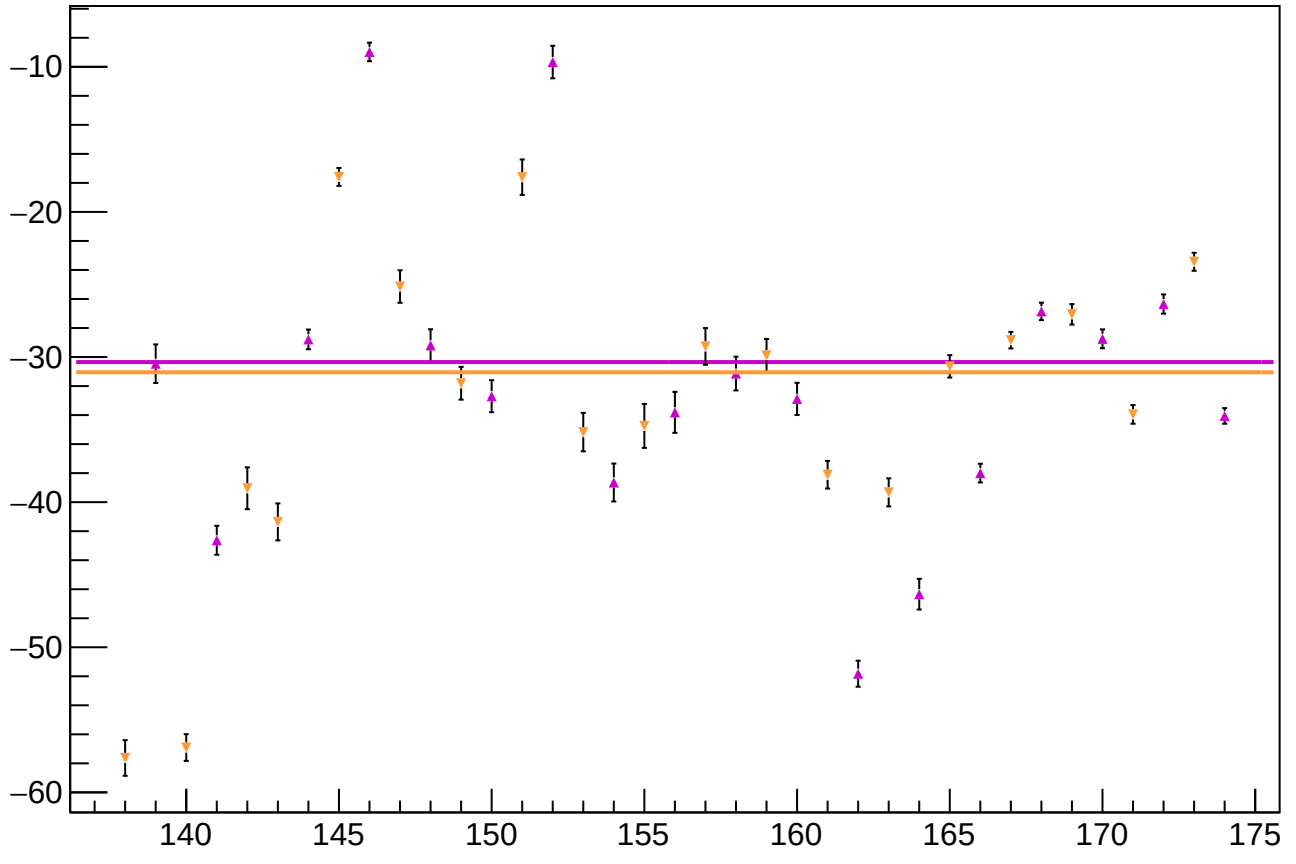
Left: 1.575+/-0.014 χ^2/NDF: 927.3/36

Right: -0.174+/-0.049 χ^2/NDF: 1305.0/35

In: 1.449+/-0.019 χ^2/NDF:1582.2/34

Out: 1.432+/-0.019 χ^2/NDF:1831.0/37

All: 1.441+/-0.014 χ^2/NDF: 3413.6/72



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: -30.346+/-0.194 χ^2/NDF:2741.3/17

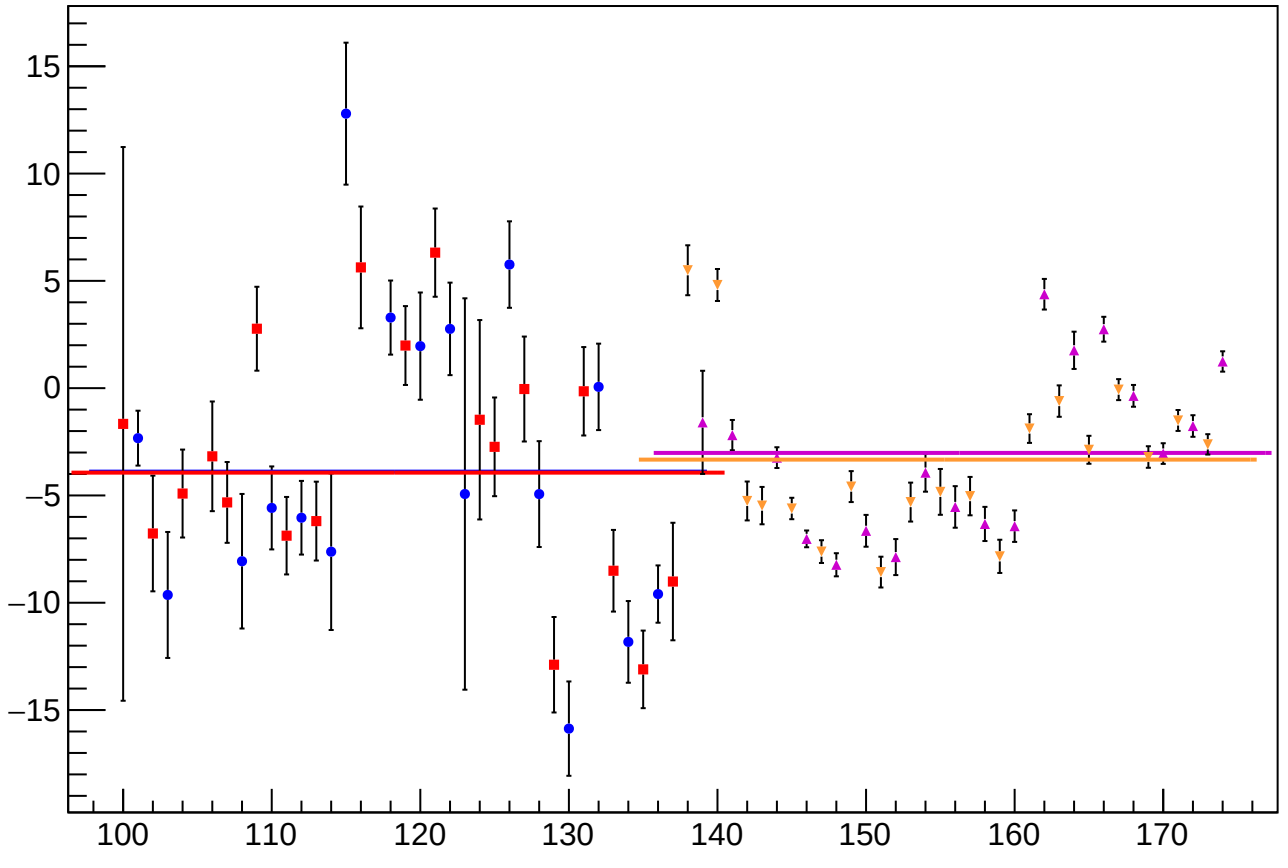
Left: -30.680+/-0.140 χ^2/NDF: 5087.4/36

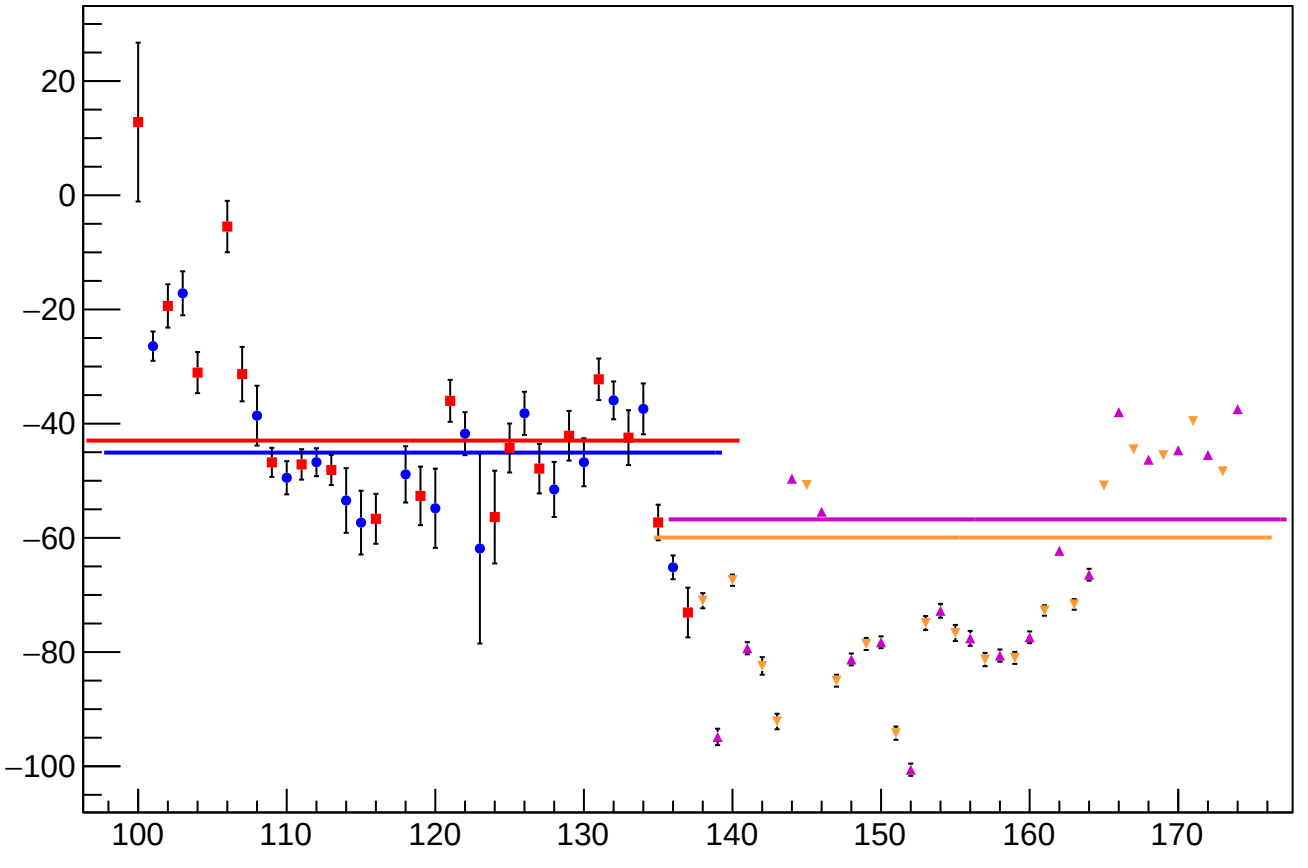
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -30.346+/-0.194 χ^2/NDF:2741.3/17

Out: -31.049+/-0.203 χ^2/NDF:2339.8/18

All: -30.680+/-0.140 χ^2/NDF: 5087.4/36


reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: -3.890+/-0.498 χ²/NDF: 160.5/16
Left Out: -3.330+/-0.149 χ²/NDF:453.9/18
Right Out: -3.937+/-0.507 χ²/NDF: 122.2/18
Left In: -3.018+/-0.144 χ²/NDF:656.1/17
Left: -3.168+/-0.104 χ²/NDF: 1112.3/36
Right: -3.913+/-0.355 χ²/NDF: 282.6/35
In: -3.085+/-0.138 χ²/NDF:819.4/34
Out: -3.379+/-0.143 χ²/NDF:577.4/37
All: -3.227+/-0.099 χ²/NDF: 1399.0/72



Right In: -45.070+/-0.883 χ^2/NDF: 229.7/16

Left Out: -59.945+/-0.204 χ^2/NDF:6793.3/18

Right Out: -42.959+/-0.878 χ^2/NDF: 248.3/18

Left In: -56.769+/-0.194 χ^2/NDF:8205.1/17

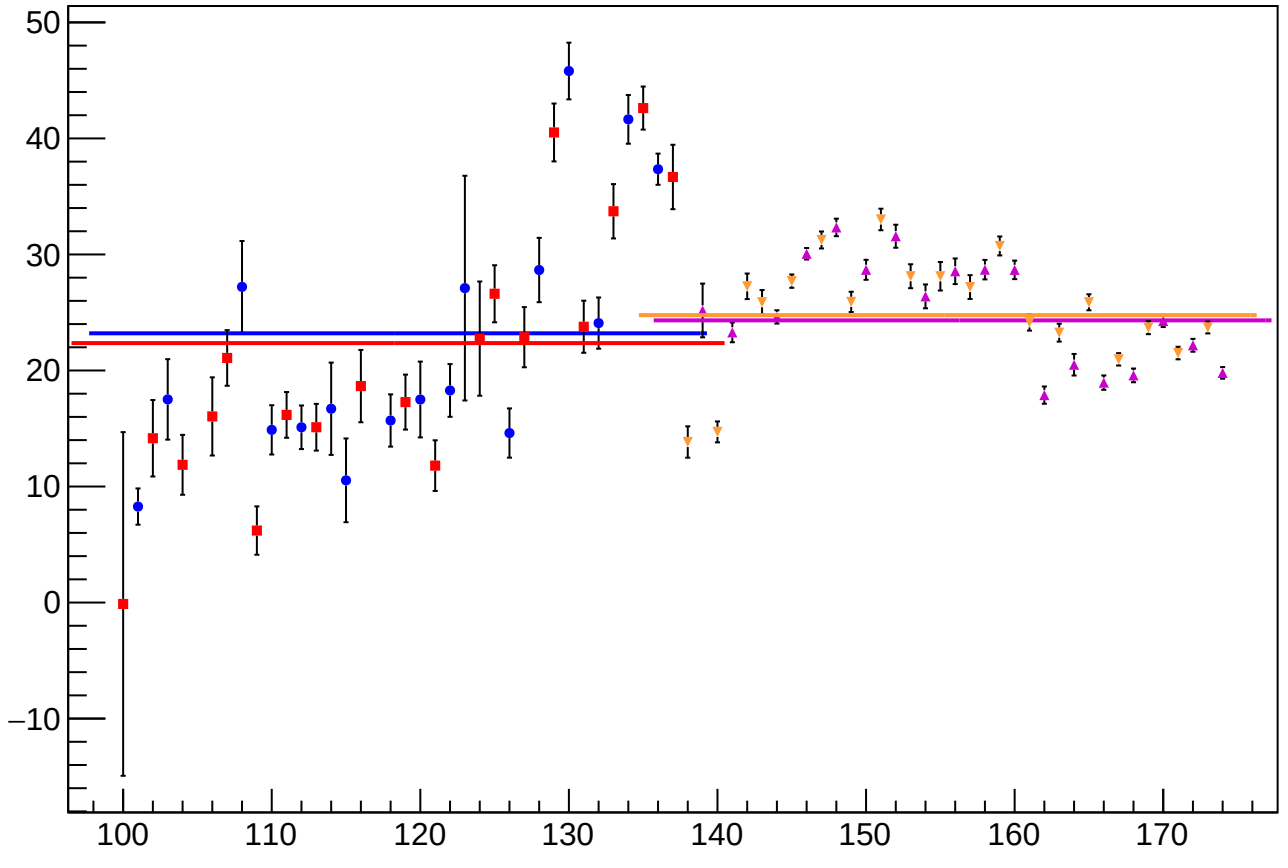
Left: -58.278+/-0.141 χ^2/NDF: 15125.6/36

Right: -44.008+/-0.623 χ^2/NDF: 480.9/35

In: -56.229+/-0.190 χ^2/NDF:8602.2/34

Out: -59.074+/-0.199 χ^2/NDF:7396.9/37

All: -57.585+/-0.137 χ^2/NDF: 16106.3/72



Right In: 23.205+/-0.559 χ^2/NDF: 457.3/16

Left Out: 24.772+/-0.170 χ^2/NDF:559.7/18

Right Out: 22.361+/-0.573 χ^2/NDF: 366.9/18

Left In: 24.320+/-0.165 χ^2/NDF:731.7/17

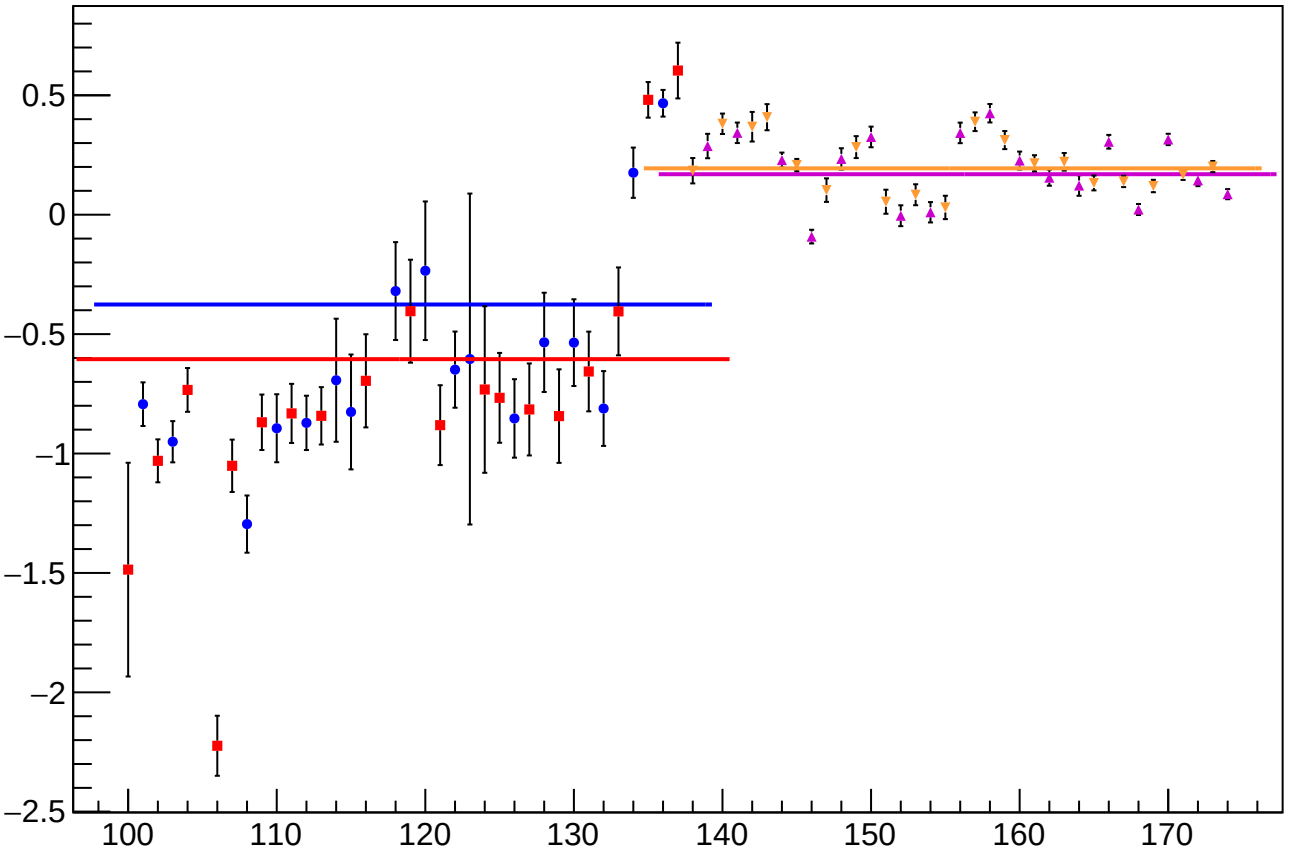
Left: 24.538+/-0.118 χ^2/NDF: 1295.0/36

Right: 22.793+/-0.400 χ^2/NDF: 825.2/35

In: 24.230+/-0.158 χ^2/NDF:1192.6/34

Out: 24.576+/-0.163 χ^2/NDF:942.8/37

All: 24.398+/-0.113 χ^2/NDF: 2137.7/72



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: 0.170+/-0.008 χ^2/NDF:334.6/17

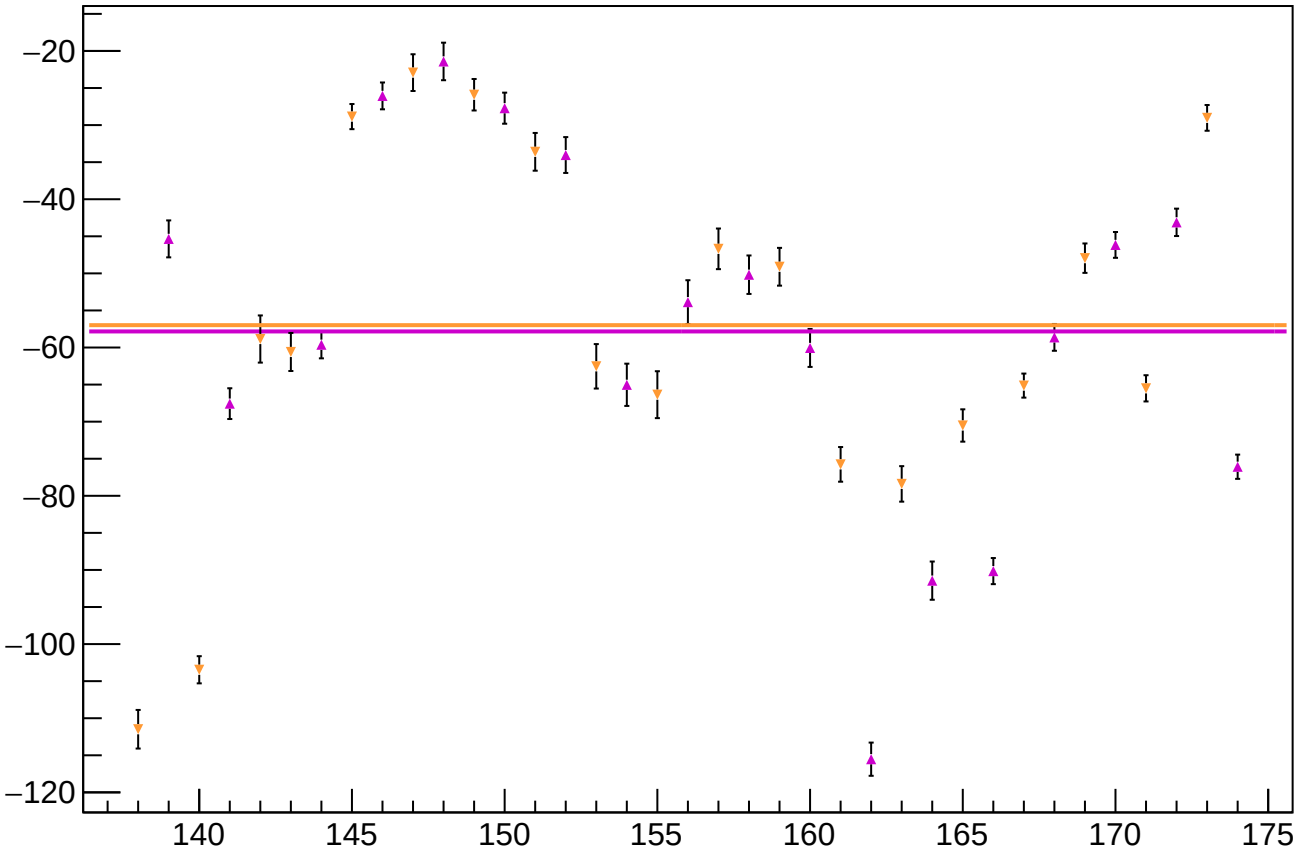
Left: 0.181+/-0.005 χ^2/NDF: 469.0/36

Right: -0.490+/-0.021 χ^2/NDF: 1017.2/35

In: 0.137+/-0.007 χ^2/NDF:1080.3/34

Out: 0.144+/-0.008 χ^2/NDF:1335.2/37

All: 0.140+/-0.005 χ^2/NDF: 2415.9/72



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

Left Out: -56.986+/-0.504 χ^2/NDF:2393.8/18

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

Left In: -57.832+/-0.496 χ^2/NDF:2287.5/17

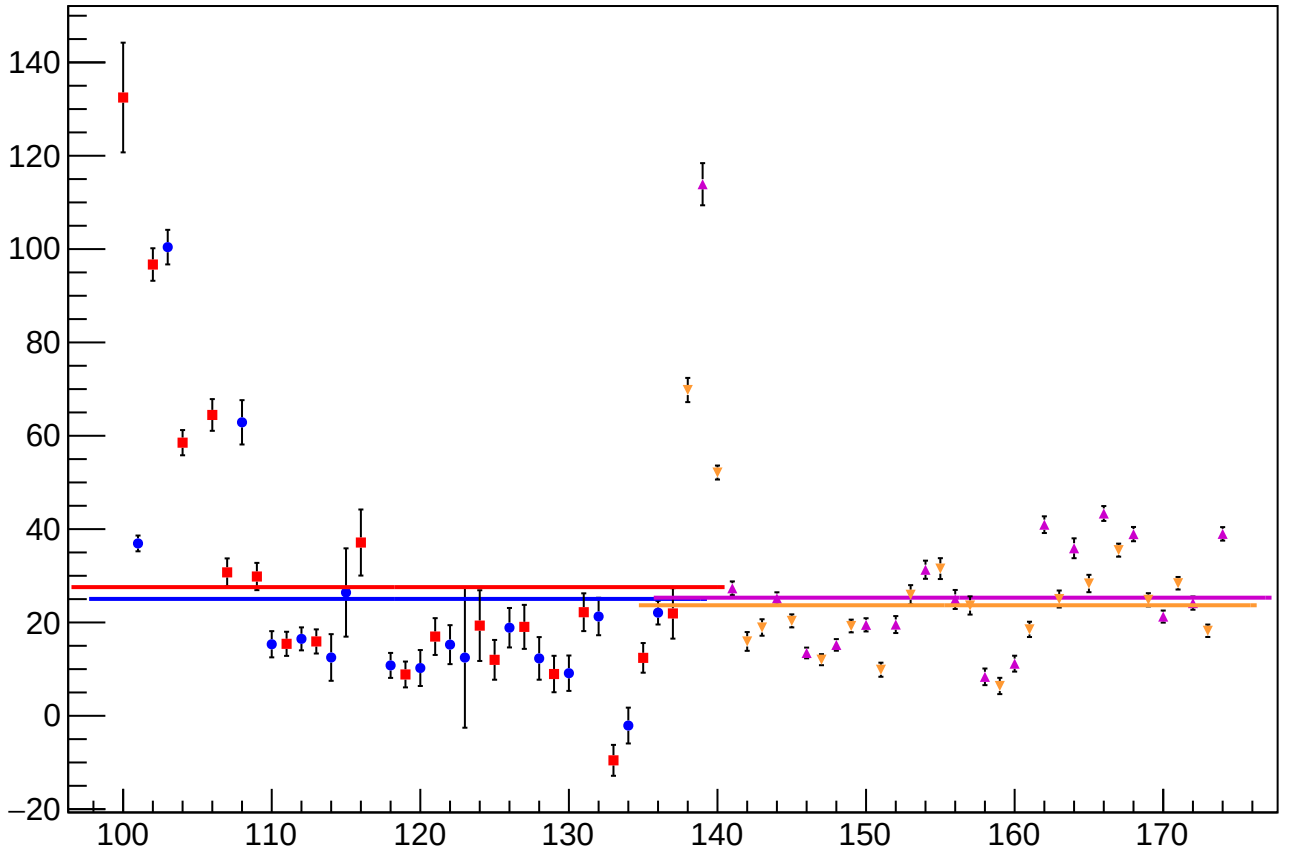
Left: -57.416+/-0.354 χ^2/NDF: 4682.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -57.832+/-0.496 χ^2/NDF:2287.5/17

Out: -56.986+/-0.504 χ^2/NDF:2393.8/18

All: -57.416+/-0.354 χ^2/NDF: 4682.7/36



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: 25.307+/-0.368 χ^2/NDF:1163.2/17

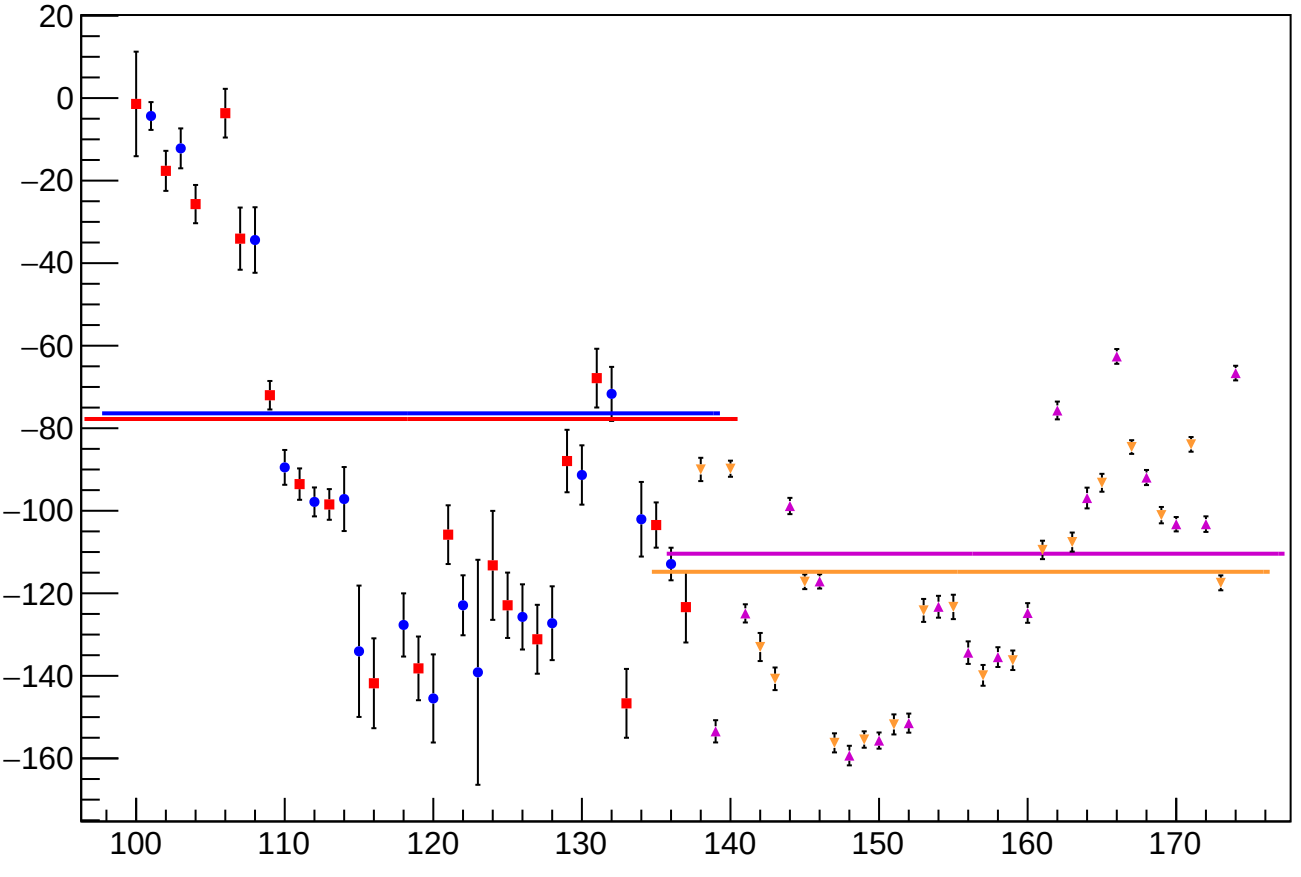
Left: 24.491+/-0.260 χ^2/NDF: 2297.8/36

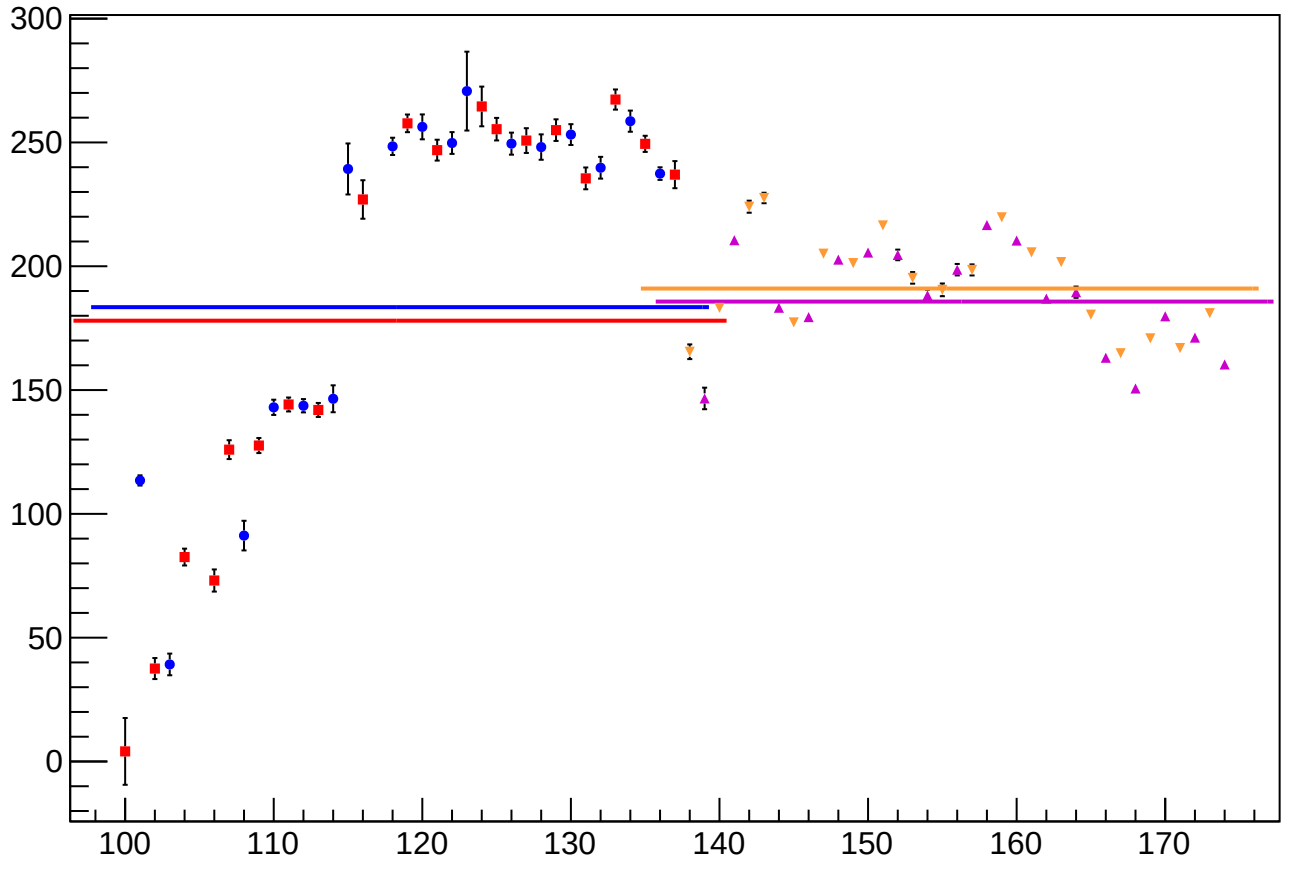
Right: 26.303+/-0.571 χ^2/NDF: 1704.1/35

In: 25.262+/-0.335 χ^2/NDF:1849.7/34

Out: 24.343+/-0.333 χ^2/NDF:2156.8/37

All: 24.801+/-0.236 χ^2/NDF: 4010.3/72


reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
−100
−120
−140
−160
100
110
120
130
140
150
160
170
Right In: -76.392+/-1.416 χ²/NDF: 1031.9/16
Left Out: -114.786+/-0.503 χ²/NDF:2329.6/18
Right Out: -77.761+/-1.353 χ²/NDF: 872.7/18
Left In: -110.405+/-0.494 χ²/NDF:3605.9/17
Left: -112.556+/-0.353 χ²/NDF: 5974.0/36
Right: -77.108+/-0.978 χ²/NDF: 1905.1/35
In: -106.711+/-0.467 χ²/NDF:5152.0/34
Out: -110.284+/-0.472 χ²/NDF:3860.2/37
All: -108.479+/-0.332 χ²/NDF: 9041.2/72



Right In: 183.478+/-0.919 χ^2/NDF: 5331.4/16

Left Out: 191.002+/-0.420 χ^2/NDF:2082.7/18

Right Out: 178.011+/-0.924 χ^2/NDF: 6345.7/18

Left In: 185.728+/-0.421 χ^2/NDF:2049.0/17

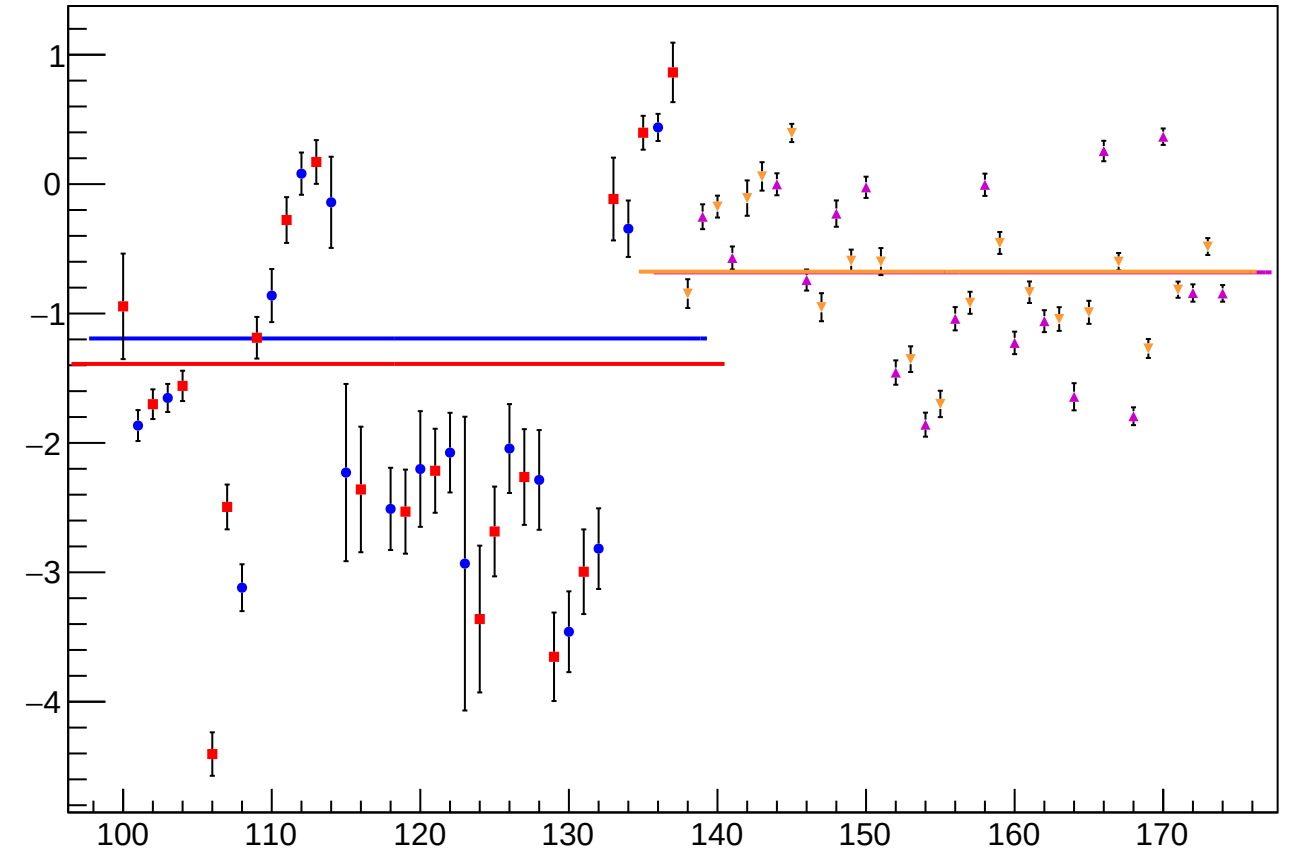
Left: 188.369+/-0.298 χ^2/NDF: 4210.2/36

Right: 180.761+/-0.651 χ^2/NDF: 11694.8/35

In: 185.337+/-0.383 χ^2/NDF:7385.4/34

Out: 188.773+/-0.383 χ^2/NDF:8592.2/37

All: 187.056+/-0.271 χ^2/NDF: 16017.8/72



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: -0.682+/-0.019 χ^2/NDF:1305.0/17

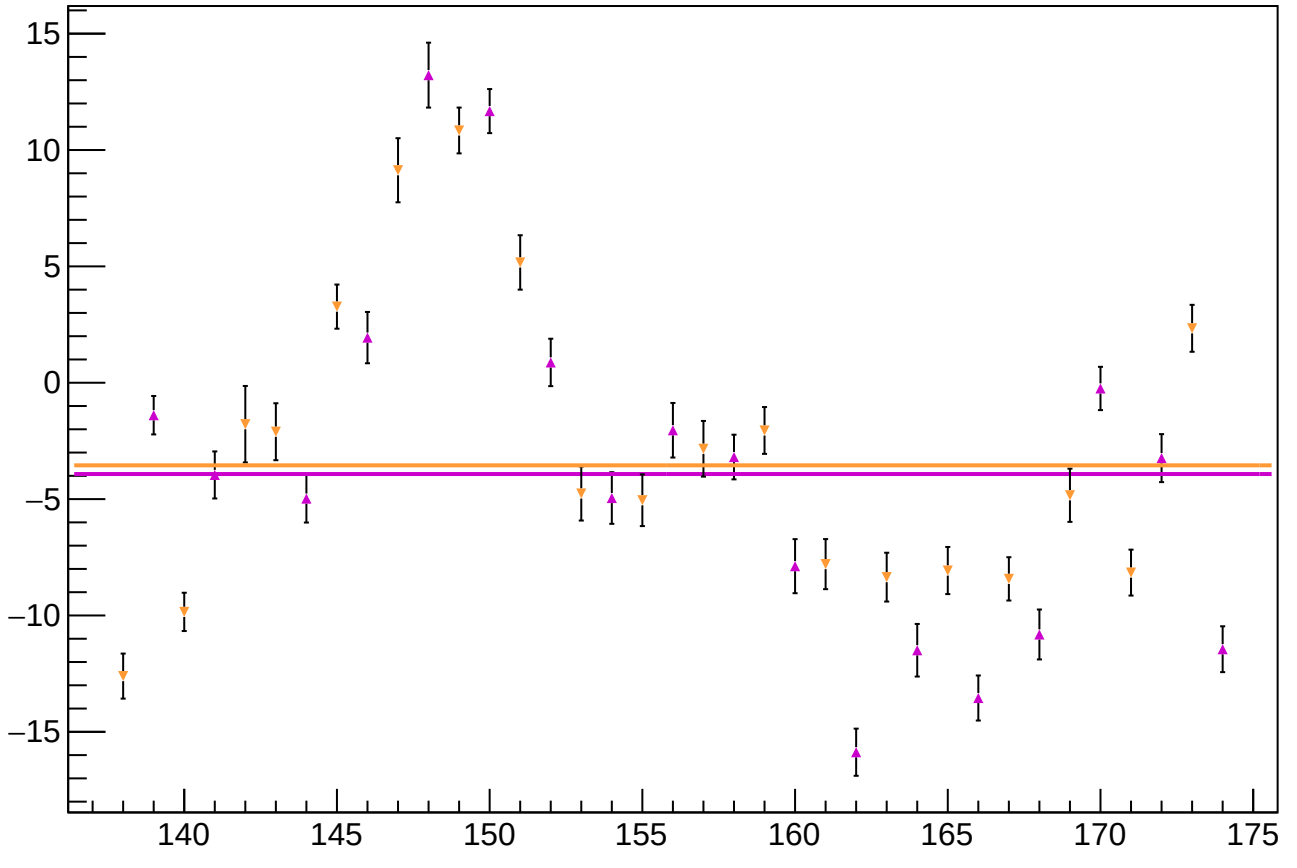
Left: -0.679+/-0.014 χ^2/NDF: 1919.6/36

Right: -1.296+/-0.033 χ^2/NDF: 1551.0/35

In: -0.752+/-0.018 χ^2/NDF:2023.7/34

Out: -0.786+/-0.018 χ^2/NDF:1740.2/37

All: -0.769+/-0.013 χ^2/NDF: 3765.6/72



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

Left Out: -3.549+/-0.243 χ^2/NDF:701.1/18

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

Left In: -3.923+/-0.243 χ^2/NDF:897.3/17

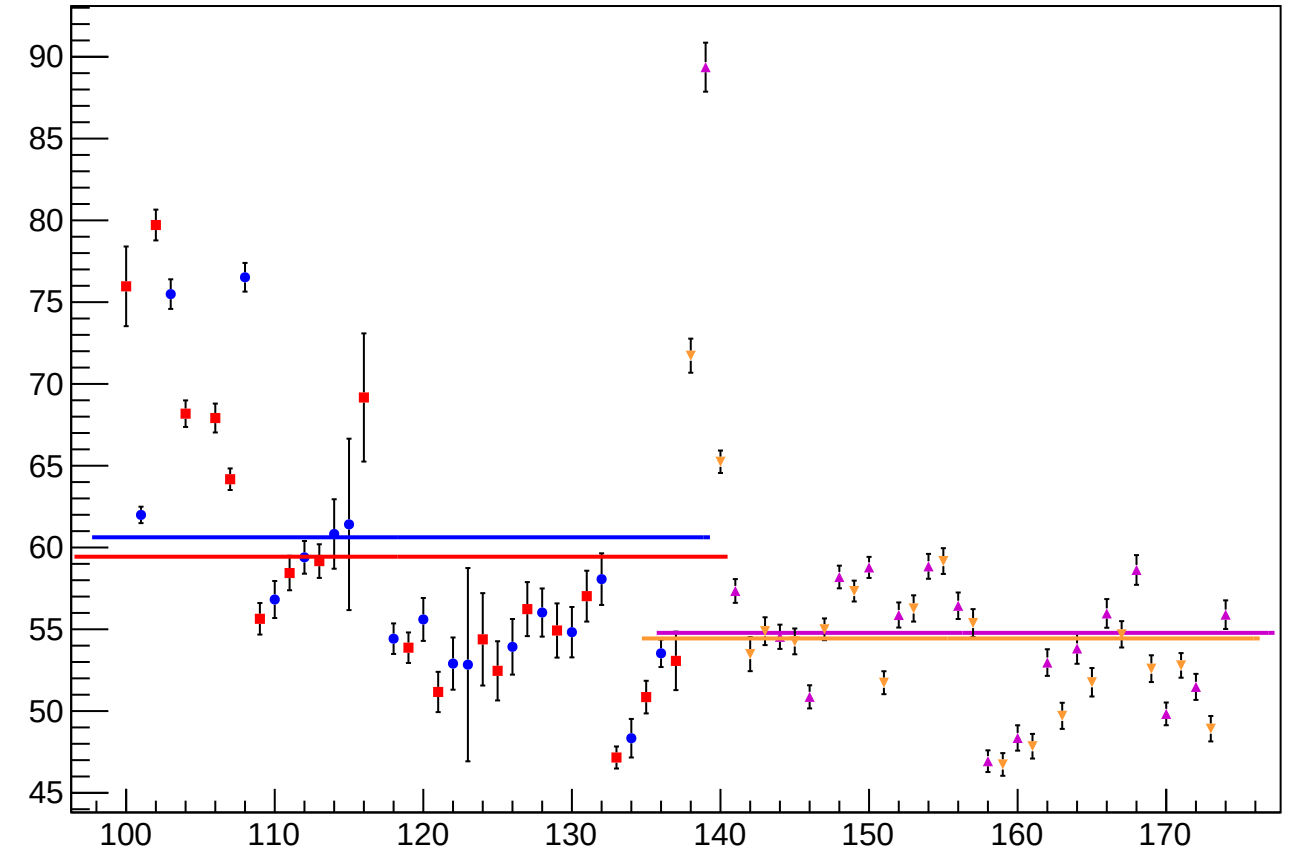
Left: -3.736+/-0.172 χ^2/NDF: 1599.6/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -3.923+/-0.243 χ^2/NDF:897.3/17

Out: -3.549+/-0.243 χ^2/NDF:701.1/18

All: -3.736+/-0.172 χ^2/NDF: 1599.6/36



Right In: 60.625+/-0.263 χ^2/NDF: 924.6/16

Left Out: 54.441+/-0.178 χ^2/NDF:908.0/18

Right Out: 59.438+/-0.248 χ^2/NDF: 1323.4/18

Left In: 54.781+/-0.184 χ^2/NDF:977.8/17

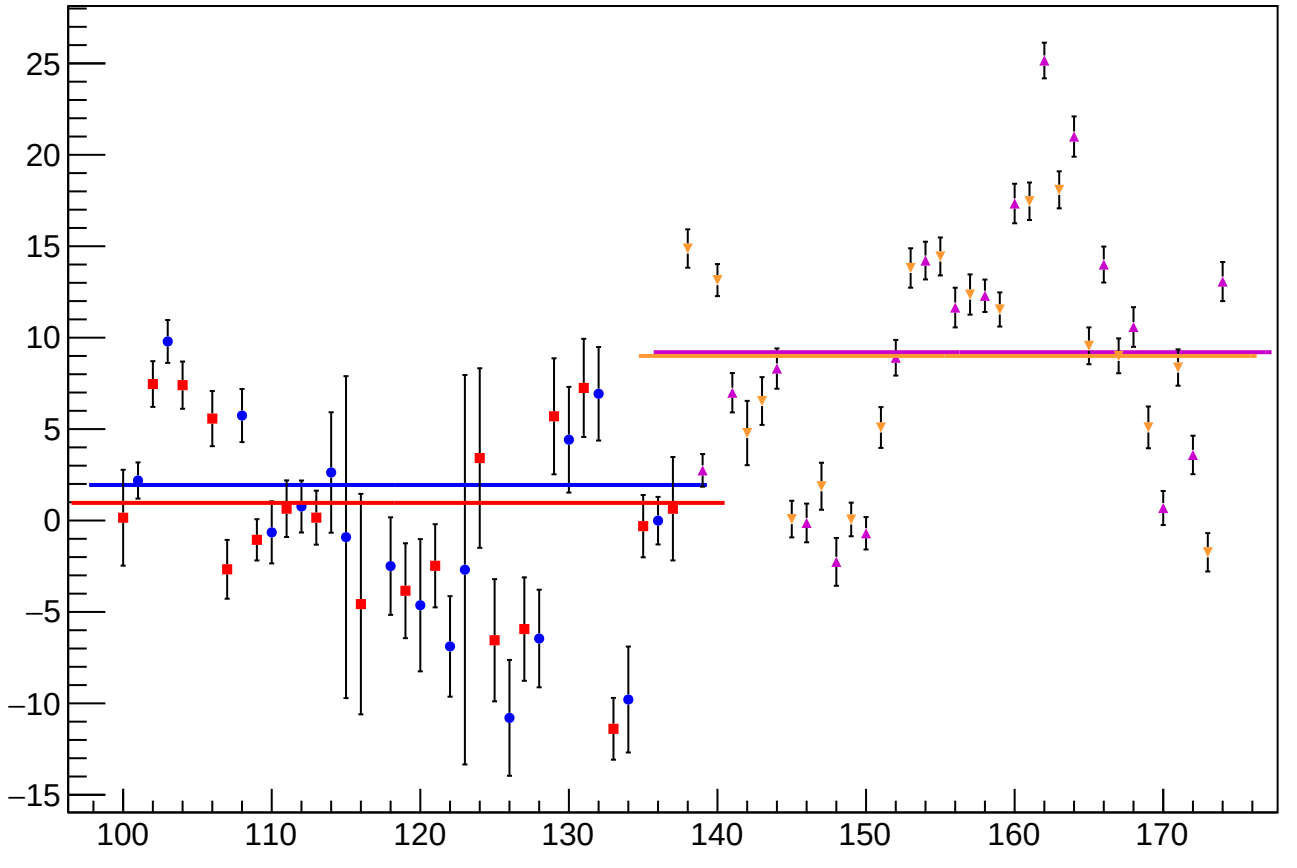
Left: 54.606+/-0.128 χ^2/NDF: 1887.6/36

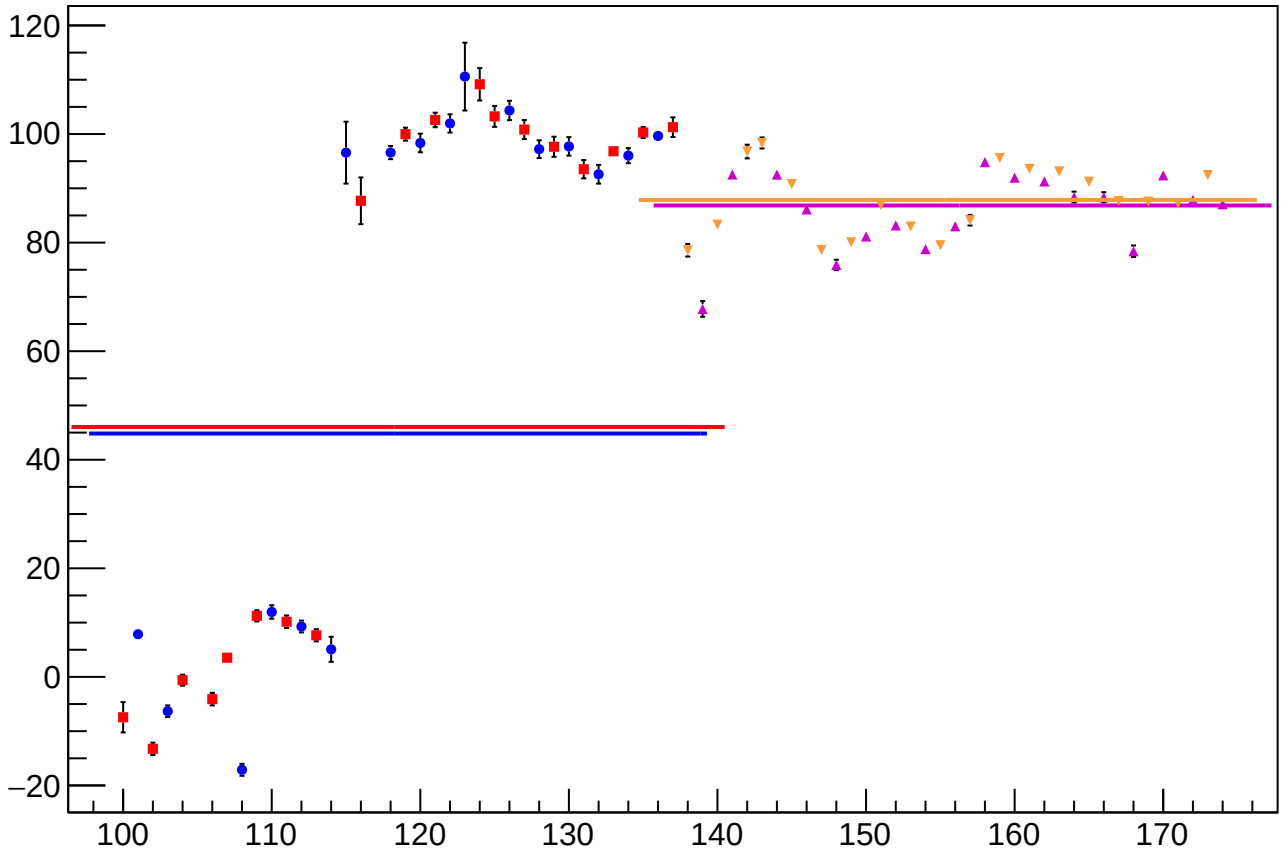
Right: 59.996+/-0.180 χ^2/NDF: 2258.7/35

In: 56.696+/-0.151 χ^2/NDF:2234.3/34

Out: 56.146+/-0.145 χ^2/NDF:2499.3/37

All: 56.410+/-0.104 χ^2/NDF: 4740.5/72


reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected
25
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: 1.945+/-0.459 χ²/NDF: 120.6/16
Left Out: 9.001+/-0.241 χ²/NDF:609.5/18
Right Out: 0.964+/-0.424 χ²/NDF: 149.5/18
Left In: 9.205+/-0.240 χ²/NDF:967.3/17
Left: 9.103+/-0.170 χ²/NDF: 1577.2/36
Right: 1.416+/-0.312 χ²/NDF: 272.6/35
In: 7.644+/-0.213 χ²/NDF:1284.4/34
Out: 7.037+/-0.210 χ²/NDF:1030.1/37
All: 7.337+/-0.149 χ²/NDF: 2318.7/72



Right In: 44.829+/-0.305 χ^2/NDF: 24763.1/16

Left Out: 87.860+/-0.204 χ^2/NDF:843.5/18

Right Out: 46.040+/-0.289 χ^2/NDF: 28263.4/18

Left In: 86.840+/-0.208 χ^2/NDF:887.4/17

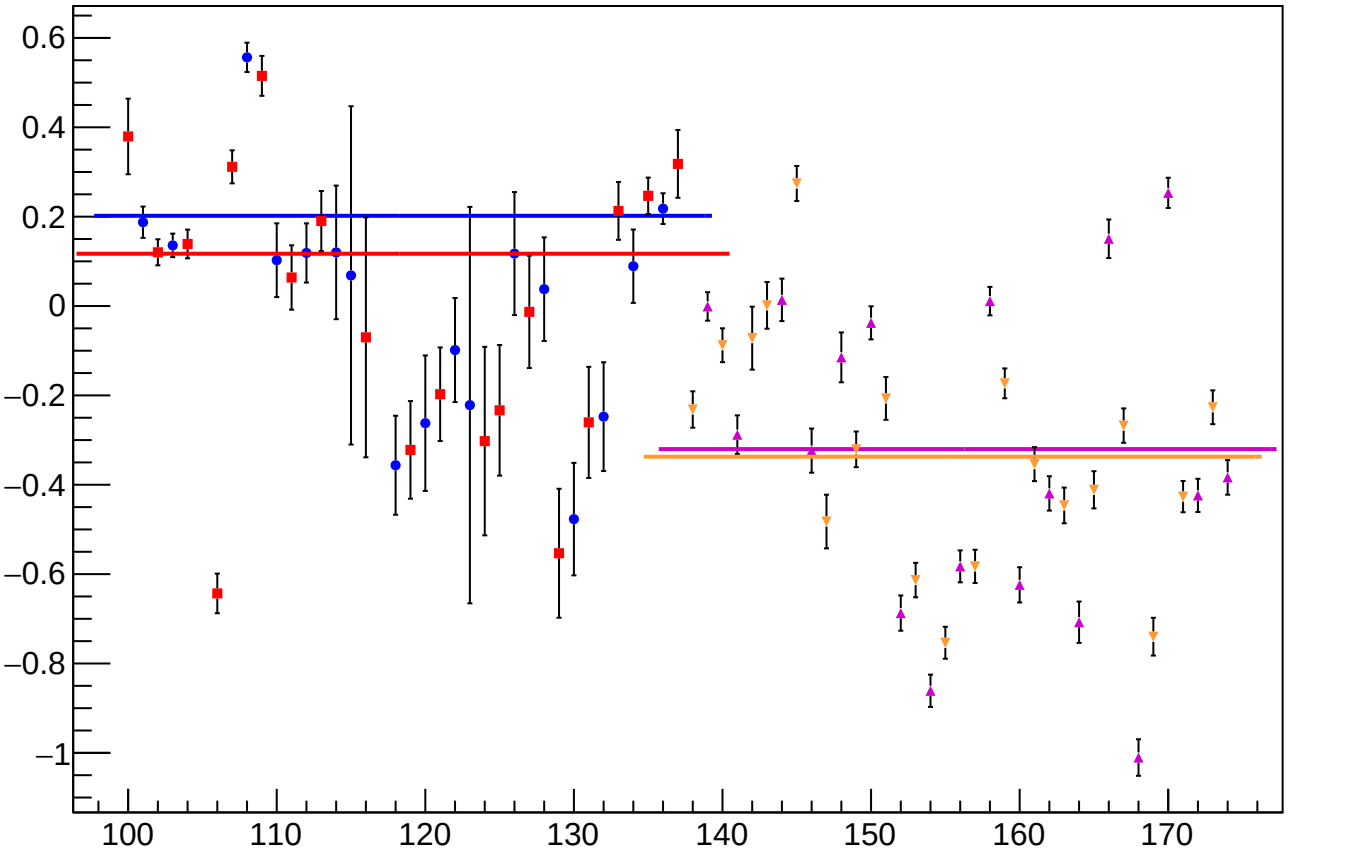
Left: 87.360+/-0.146 χ^2/NDF: 1743.3/36

Right: 45.465+/-0.210 χ^2/NDF: 53034.8/35

In: 73.500+/-0.172 χ^2/NDF:38628.0/34

Out: 73.997+/-0.167 χ^2/NDF:43059.8/37

All: 73.756+/-0.120 χ^2/NDF: 81692.2/72



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: -0.320+/-0.009 χ^2/NDF:1532.6/17

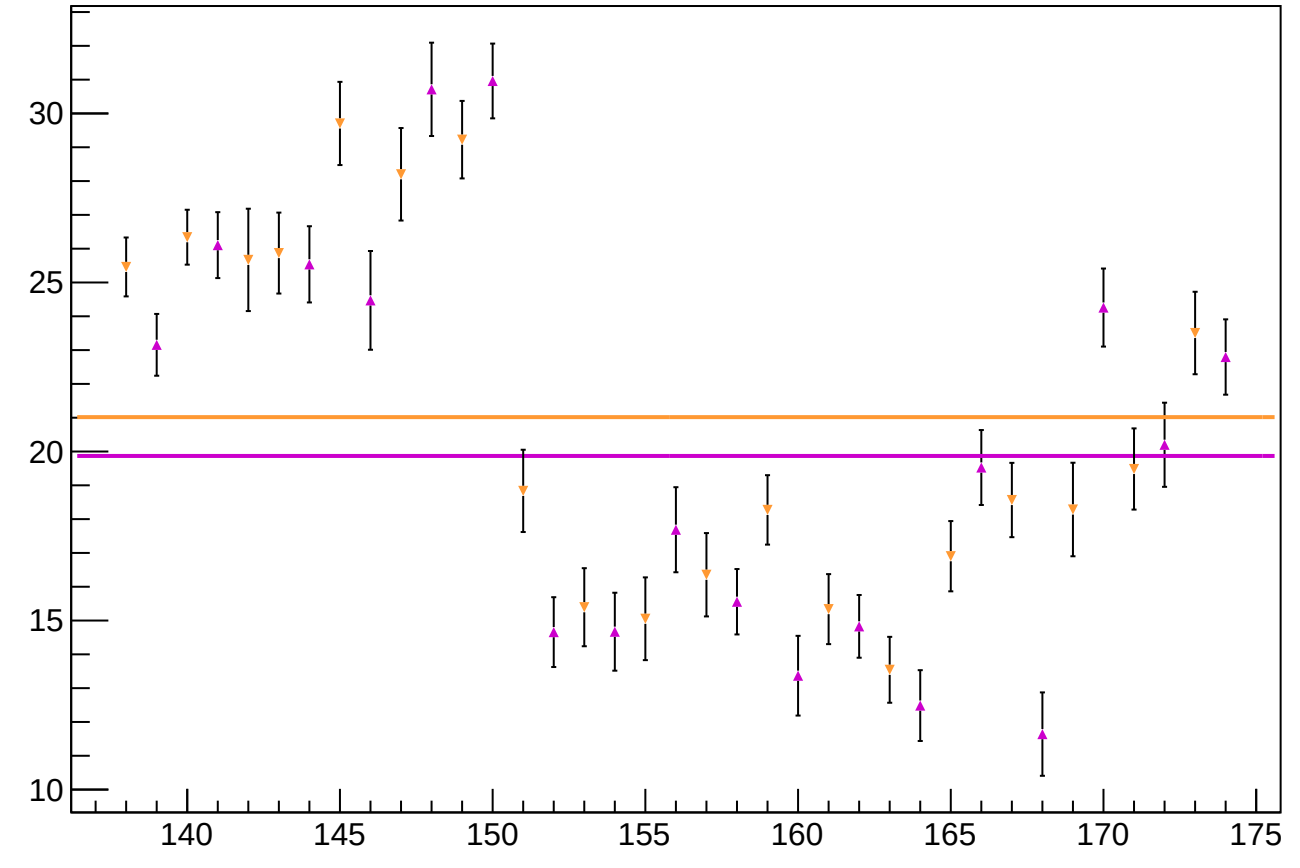
Left: -0.329+/-0.007 χ^2/NDF: 2271.6/36

Right: 0.156+/-0.010 χ^2/NDF: 735.2/35

In: -0.163+/-0.008 χ^2/NDF:2714.3/34

Out: -0.184+/-0.008 χ^2/NDF:2042.4/37

All: -0.174+/-0.005 χ^2/NDF: 4760.5/72



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

Left Out: 21.017+/-0.256 χ^2/NDF:414.8/18

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

Left In: 19.869+/-0.261 χ^2/NDF:495.7/17

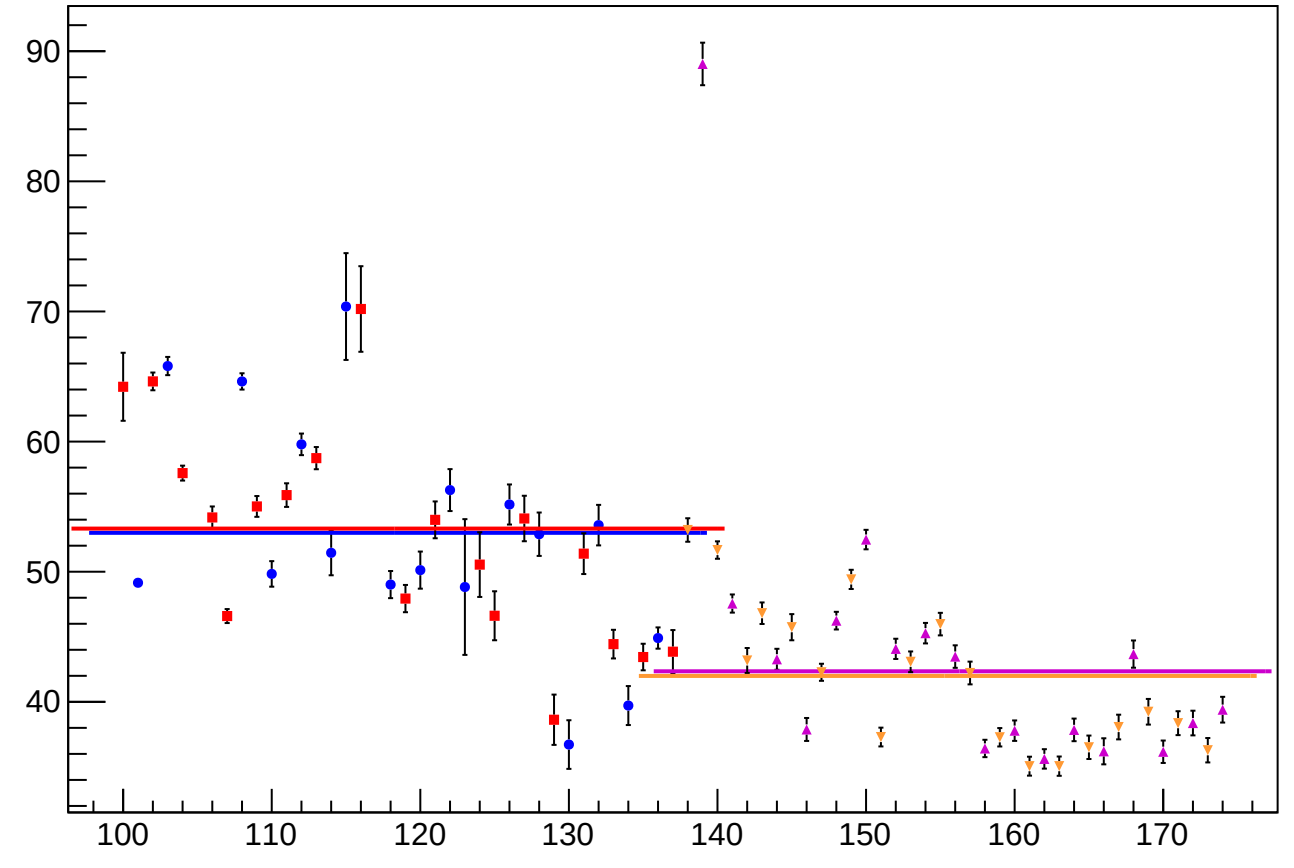
Left: 20.454+/-0.183 χ^2/NDF: 920.4/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 19.869+/-0.261 χ^2/NDF:495.7/17

Out: 21.017+/-0.256 χ^2/NDF:414.8/18

All: 20.454+/-0.183 χ^2/NDF: 920.4/36



Right In: 52.989+/-0.211 χ^2/NDF: 1198.0/16

Left Out: 41.991+/-0.187 χ^2/NDF:916.1/18

Right Out: 53.315+/-0.227 χ^2/NDF: 875.6/18

Left In: 42.349+/-0.195 χ^2/NDF:1472.3/17

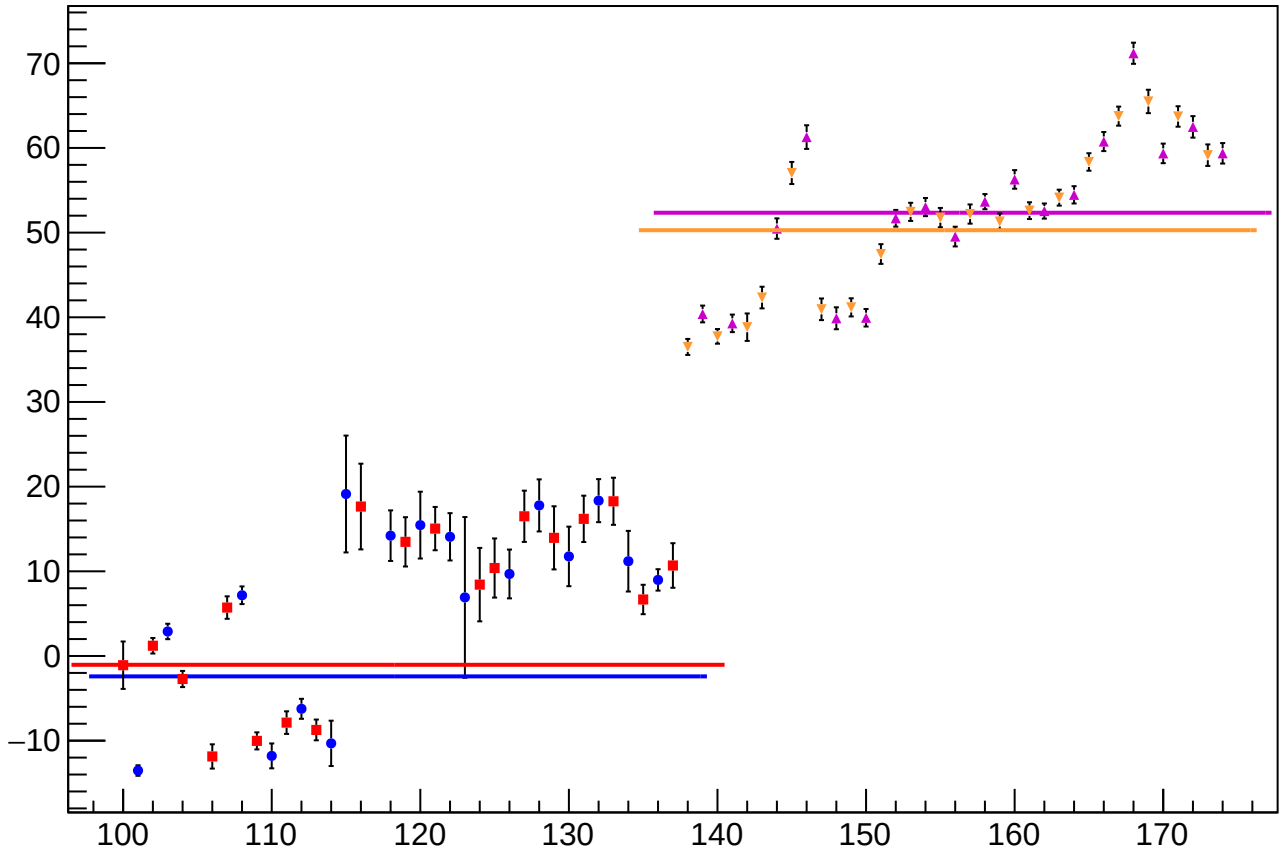
Left: 42.162+/-0.135 χ^2/NDF: 2390.2/36

Right: 53.140+/-0.154 χ^2/NDF: 2074.7/35

In: 47.264+/-0.143 χ^2/NDF:4040.1/34

Out: 46.565+/-0.144 χ^2/NDF:3278.5/37

All: 46.916+/-0.102 χ^2/NDF: 7330.4/72



Right In: -2.409+/-0.364 χ^2/NDF: 834.6/16

Left Out: 50.284+/-0.254 χ^2/NDF:1199.3/18

Right Out: -1.040+/-0.377 χ^2/NDF: 507.5/18

Left In: 52.346+/-0.257 χ^2/NDF:1027.7/17

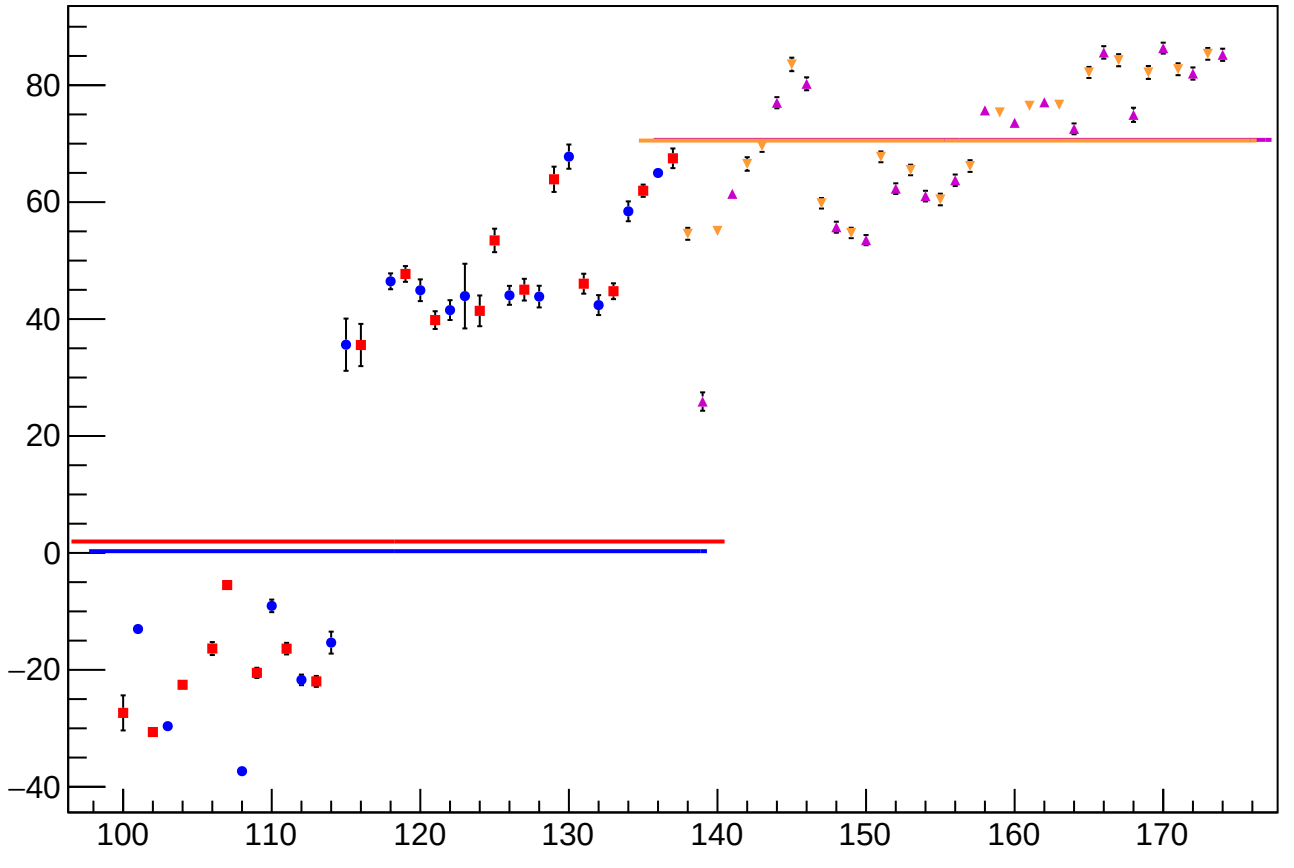
Left: 51.302+/-0.181 χ^2/NDF: 2259.5/36

Right: -1.748+/-0.262 χ^2/NDF: 1349.0/35

In: 34.114+/-0.210 χ^2/NDF:16929.2/34

Out: 34.251+/-0.211 χ^2/NDF:14446.7/37

All: 34.182+/-0.149 χ^2/NDF: 31376.2/72



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: 70.651+/-0.222 χ^2/NDF:2874.1/17

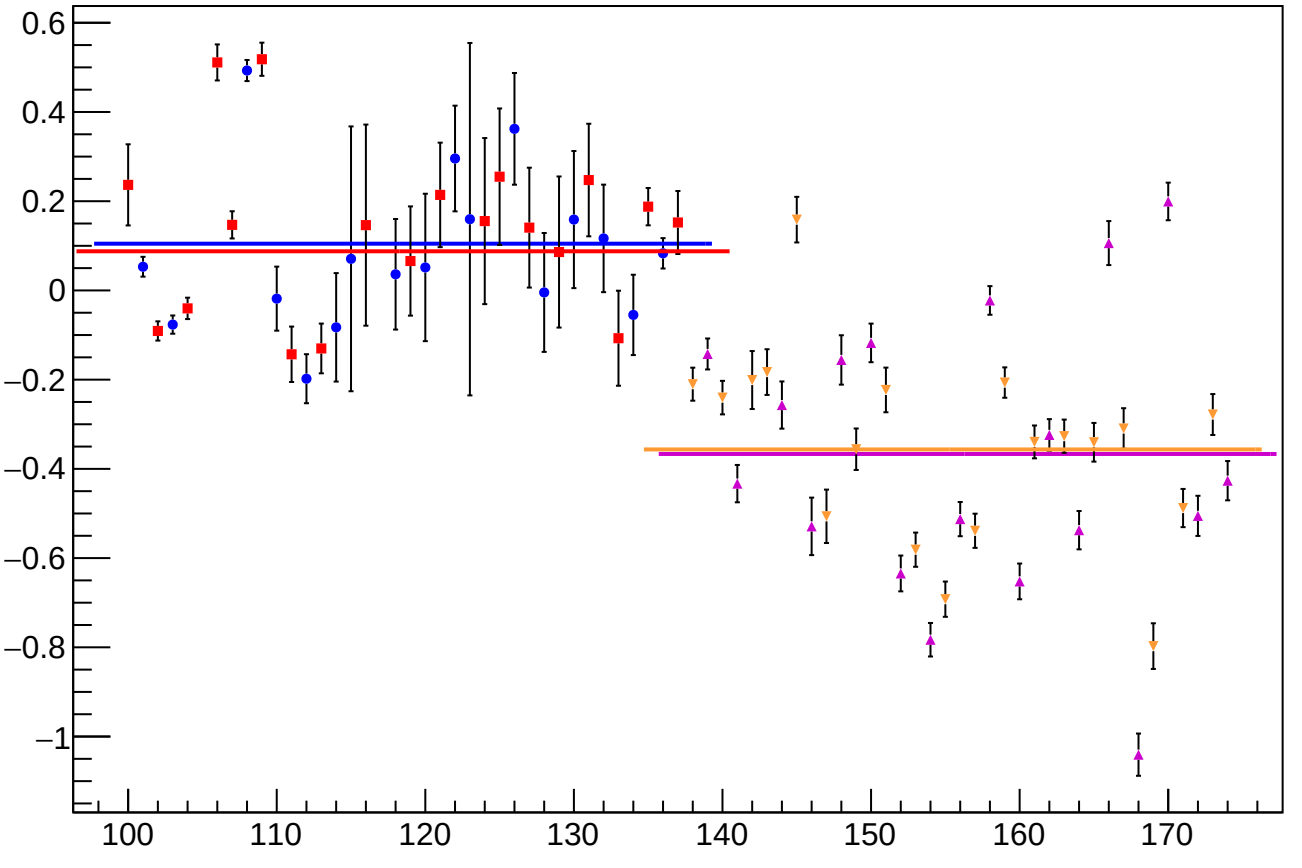
Left: 70.590+/-0.154 χ^2/NDF: 5200.2/36

Right: 1.065+/-0.181 χ^2/NDF: 33730.4/35

In: 39.348+/-0.165 χ^2/NDF:66009.3/34

Out: 43.646+/-0.167 χ^2/NDF:57997.5/37

All: 41.472+/-0.117 χ^2/NDF: 124342.0/72



Right In: 0.105+/-0.011 χ^2/NDF: 400.8/16

Left Out: -0.356+/-0.010 χ^2/NDF:394.3/18

Right Out: 0.088+/-0.011 χ^2/NDF: 390.9/18

Left In: -0.367+/-0.010 χ^2/NDF:953.5/17

Left: -0.362+/-0.007 χ^2/NDF: 1348.4/36

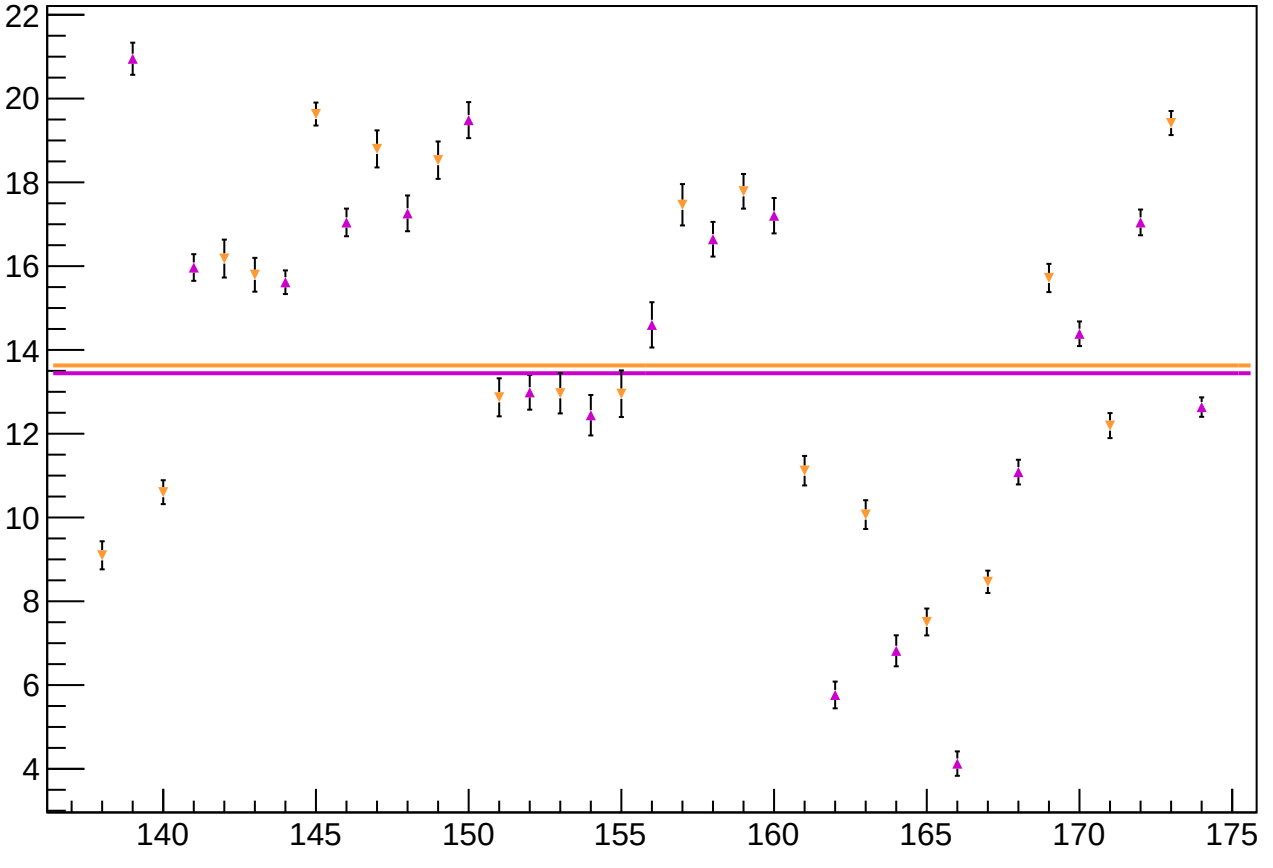
Right: 0.096+/-0.008 χ^2/NDF: 792.8/35

In: -0.157+/-0.007 χ^2/NDF:2366.1/34

Out: -0.159+/-0.007 χ^2/NDF:1689.6/37

All: -0.158+/-0.005 χ^2/NDF: 4055.8/72

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: 13.443+/-0.080 χ^2/NDF:3195.9/17

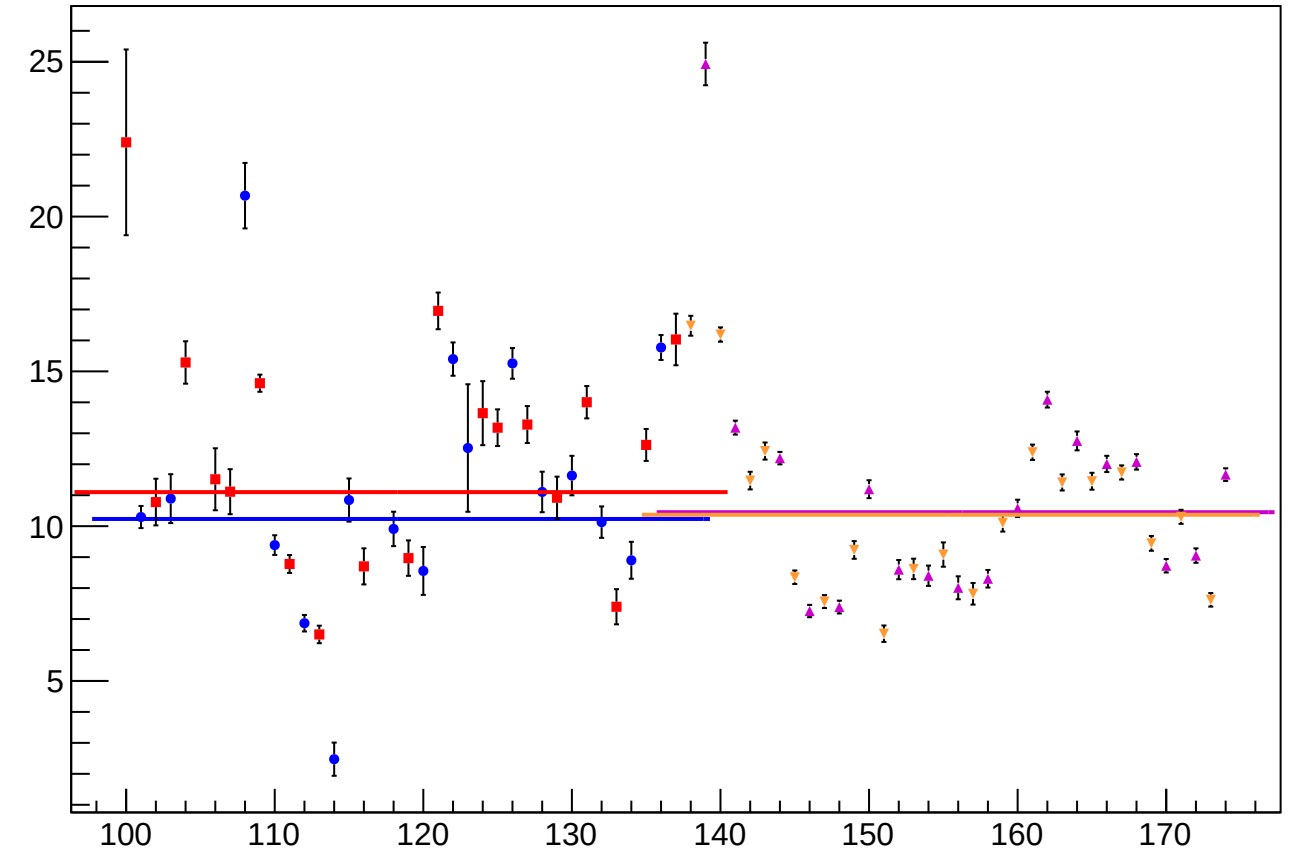
Left: 13.535+/-0.057 χ^2/NDF: 5823.2/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 13.443+/-0.080 χ^2/NDF:3195.9/17

Out: 13.630+/-0.082 χ^2/NDF:2624.7/18

All: 13.535+/-0.057 χ^2/NDF: 5823.2/36



Right In: 10.232+/-0.119 χ^2/NDF: 876.7/16

Left Out: 10.368+/-0.060 χ^2/NDF:1950.4/18

Right Out: 11.100+/-0.116 χ^2/NDF: 817.8/18

Left In: 10.451+/-0.060 χ^2/NDF:1795.0/17

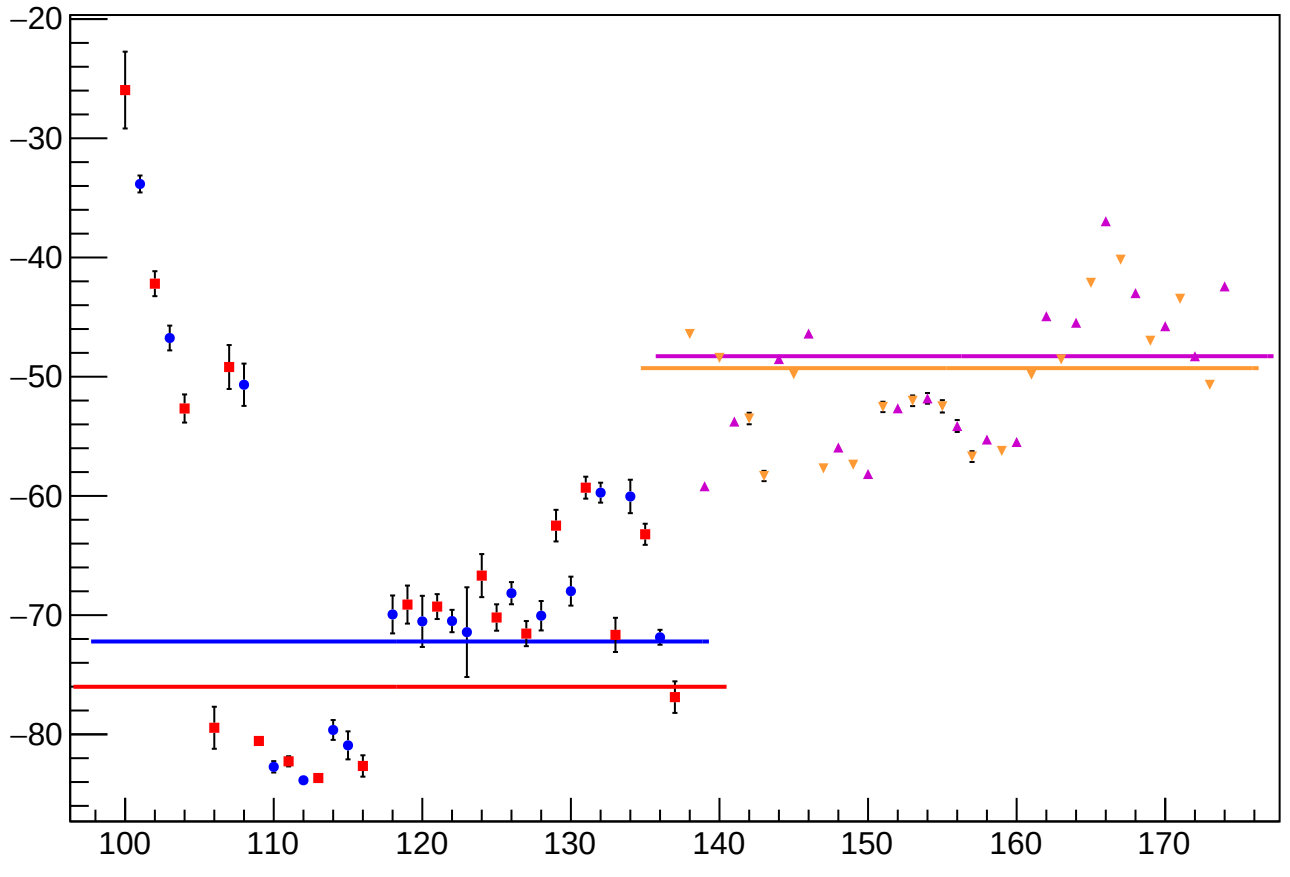
Left: 10.409+/-0.042 χ^2/NDF: 3746.4/36

Right: 10.677+/-0.083 χ^2/NDF: 1721.6/35

In: 10.407+/-0.054 χ^2/NDF:2674.4/34

Out: 10.520+/-0.053 χ^2/NDF:2799.5/37

All: 10.464+/-0.038 χ^2/NDF: 5476.2/72



Right In: -72.211+/-0.198 χ^2/NDF: 5566.2/16

Left Out: -49.281+/-0.082 χ^2/NDF:4171.6/18

Right Out: -76.009+/-0.181 χ^2/NDF: 3463.3/18

Left In: -48.279+/-0.080 χ^2/NDF:5515.6/17

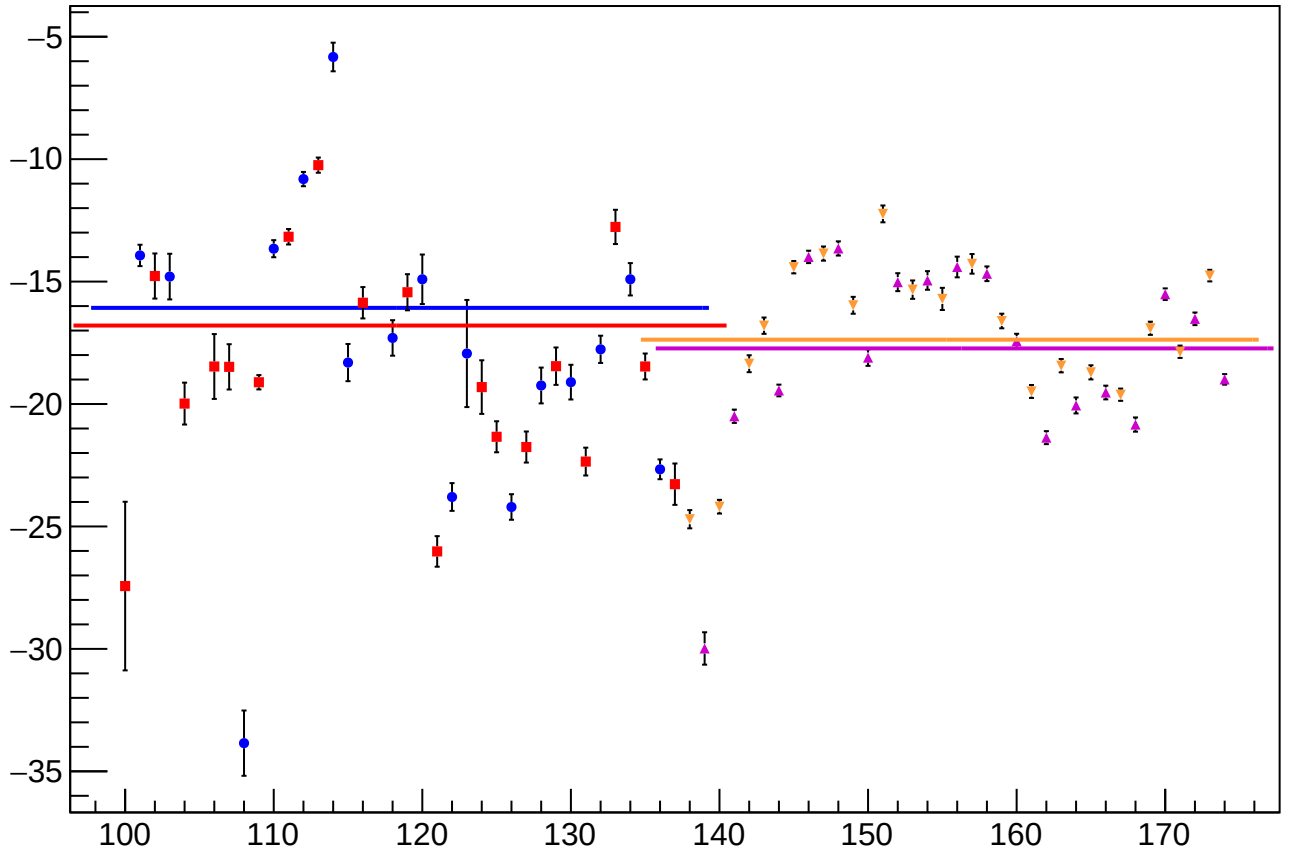
Left: -48.771+/-0.057 χ^2/NDF: 9763.5/36

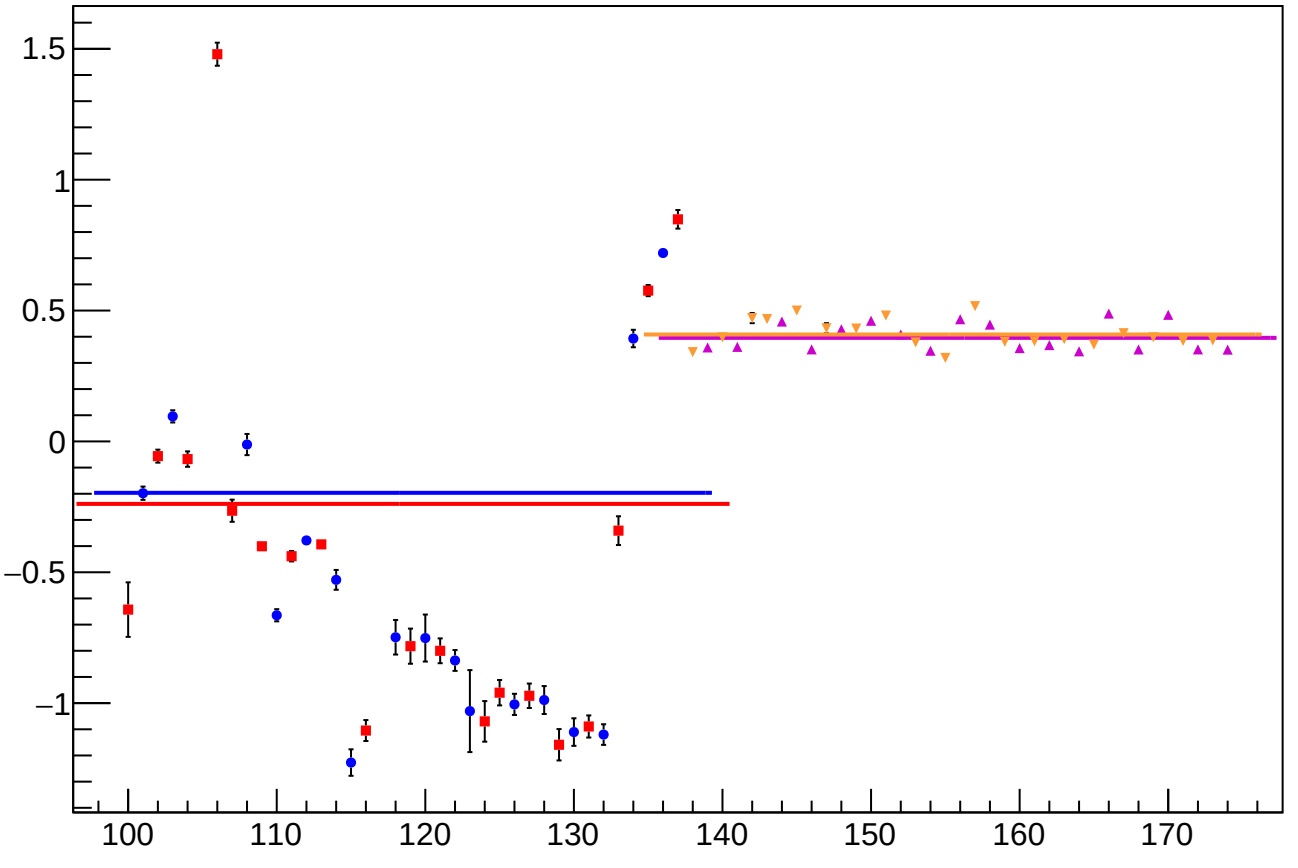
Right: -74.280+/-0.134 χ^2/NDF: 9230.0/35

In: -51.665+/-0.074 χ^2/NDF:23624.9/34

Out: -53.821+/-0.075 χ^2/NDF:25740.2/37

All: -52.741+/-0.053 χ^2/NDF: 49783.3/72


reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected
−5
−10
−15
−20
−25
−30
−35
100
110
120
130
140
150
160
170
Right In: -16.073+/-0.133 χ²/NDF: 1640.5/16
Left Out: -17.372+/-0.068 χ²/NDF:1935.3/18
Right Out: -16.795+/-0.128 χ²/NDF: 1216.0/18
Left In: -17.729+/-0.068 χ²/NDF:1727.8/17
Left: -17.550+/-0.048 χ²/NDF: 3676.8/36
Right: -16.446+/-0.092 χ²/NDF: 2871.9/35
In: -17.381+/-0.061 χ²/NDF:3491.6/34
Out: -17.244+/-0.060 χ²/NDF:3167.1/37
All: -17.312+/-0.043 χ²/NDF: 6661.3/72



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: 0.396+/-0.003 χ^2/NDF:302.2/17

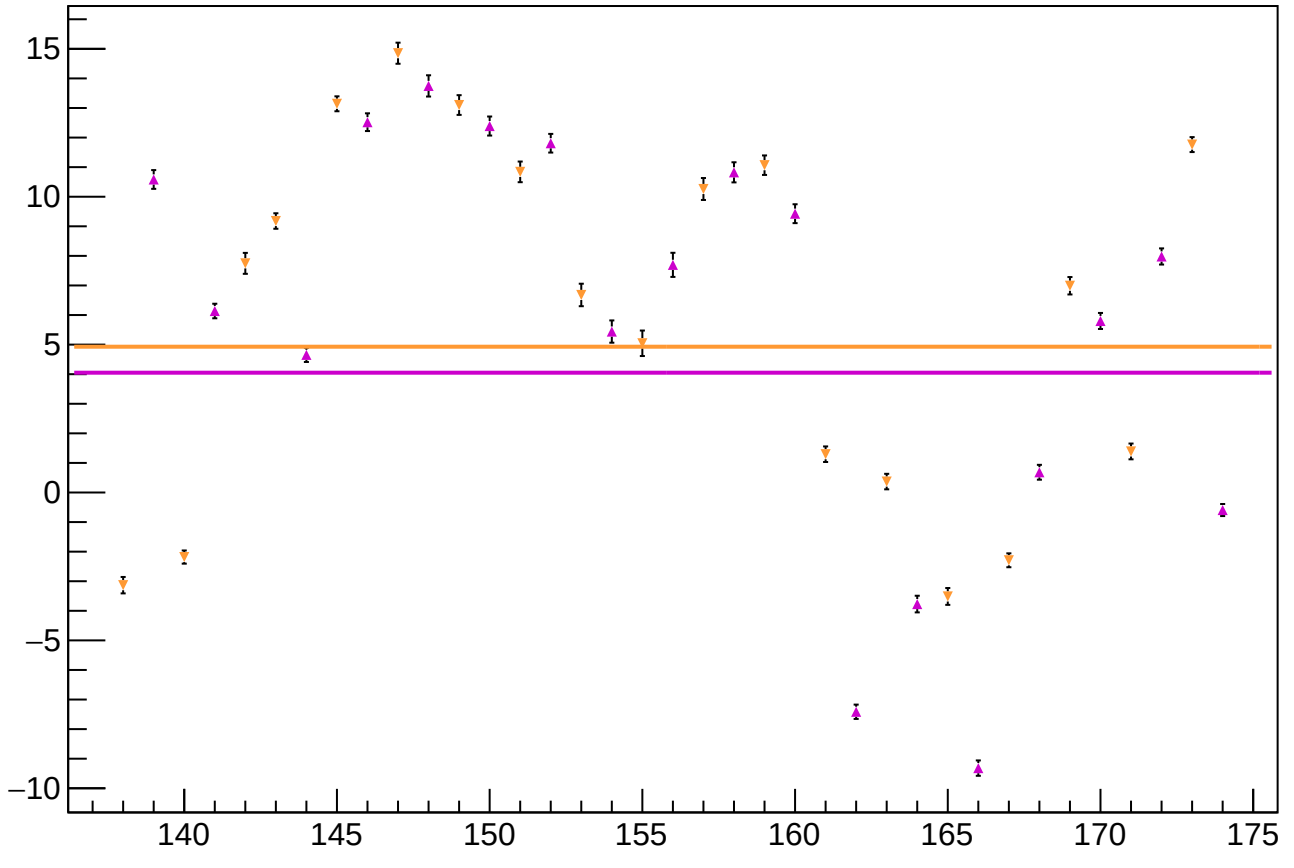
Left: 0.402+/-0.002 χ^2/NDF: 544.2/36

Right: -0.219+/-0.005 χ^2/NDF: 12528.7/35

In: 0.309+/-0.003 χ^2/NDF:11883.9/34

Out: 0.303+/-0.003 χ^2/NDF:13218.9/37

All: 0.306+/-0.002 χ^2/NDF: 25105.3/72



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

Left Out: 4.929+/-0.067 χ^2/NDF:8760.5/18

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

Left In: 4.050+/-0.067 χ^2/NDF:10683.6/17

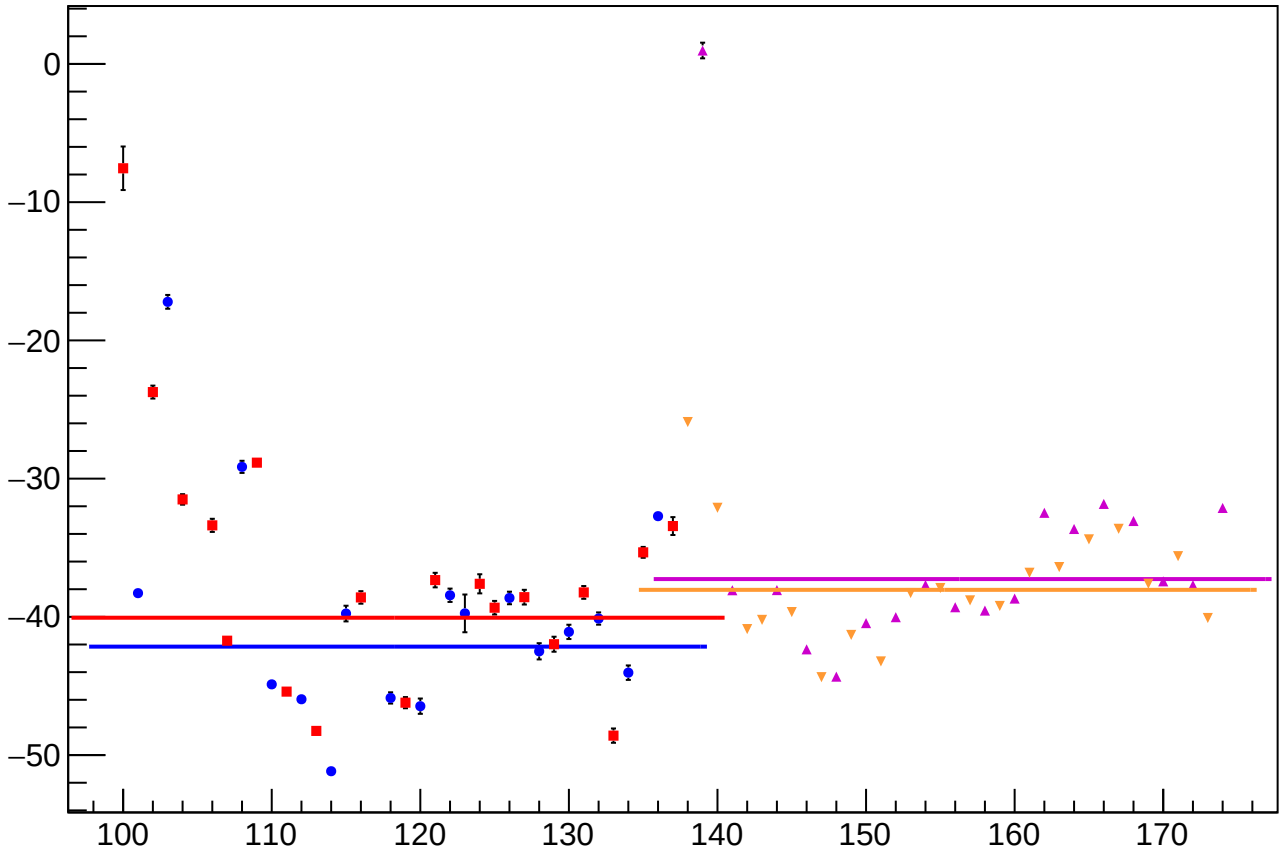
Left: 4.491+/-0.047 χ^2/NDF: 19531.2/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

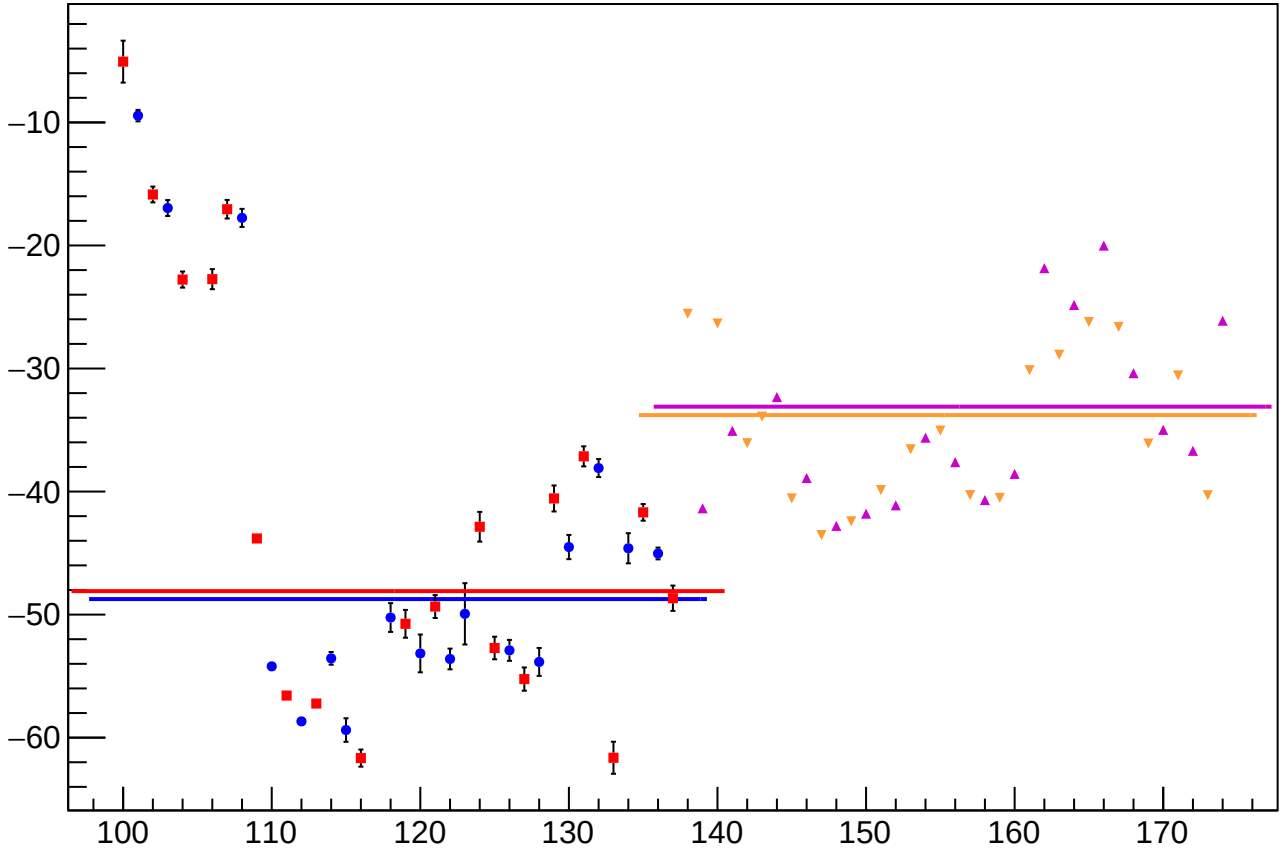
In: 4.050+/-0.067 χ^2/NDF:10683.6/17

Out: 4.929+/-0.067 χ^2/NDF:8760.5/18

All: 4.491+/-0.047 χ^2/NDF: 19531.2/36


reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected
0
−10
−20
−30
−40
−50
100
110
120
130
140
150
160
170
Right In: -42.153+/-0.078 χ²/NDF: 6557.8/16
Left Out: -38.045+/-0.048 χ²/NDF:6837.6/18
Right Out: -40.062+/-0.073 χ²/NDF: 11322.2/18
Left In: -37.266+/-0.050 χ²/NDF:10099.5/17
Left: -37.668+/-0.035 χ²/NDF: 17063.0/36
Right: -41.035+/-0.053 χ²/NDF: 18264.1/35
In: -38.683+/-0.042 χ²/NDF:19443.5/34
Out: -38.663+/-0.040 χ²/NDF:18692.8/37
All: -38.672+/-0.029 χ²/NDF: 38136.4/72

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737+/-0.125 χ^2/NDF: 14658.1/16

Left Out: -33.788+/-0.067 χ^2/NDF:8293.0/18

Right Out: -48.092+/-0.107 χ^2/NDF: 11733.2/18

Left In: -33.101+/-0.067 χ^2/NDF:11540.8/17

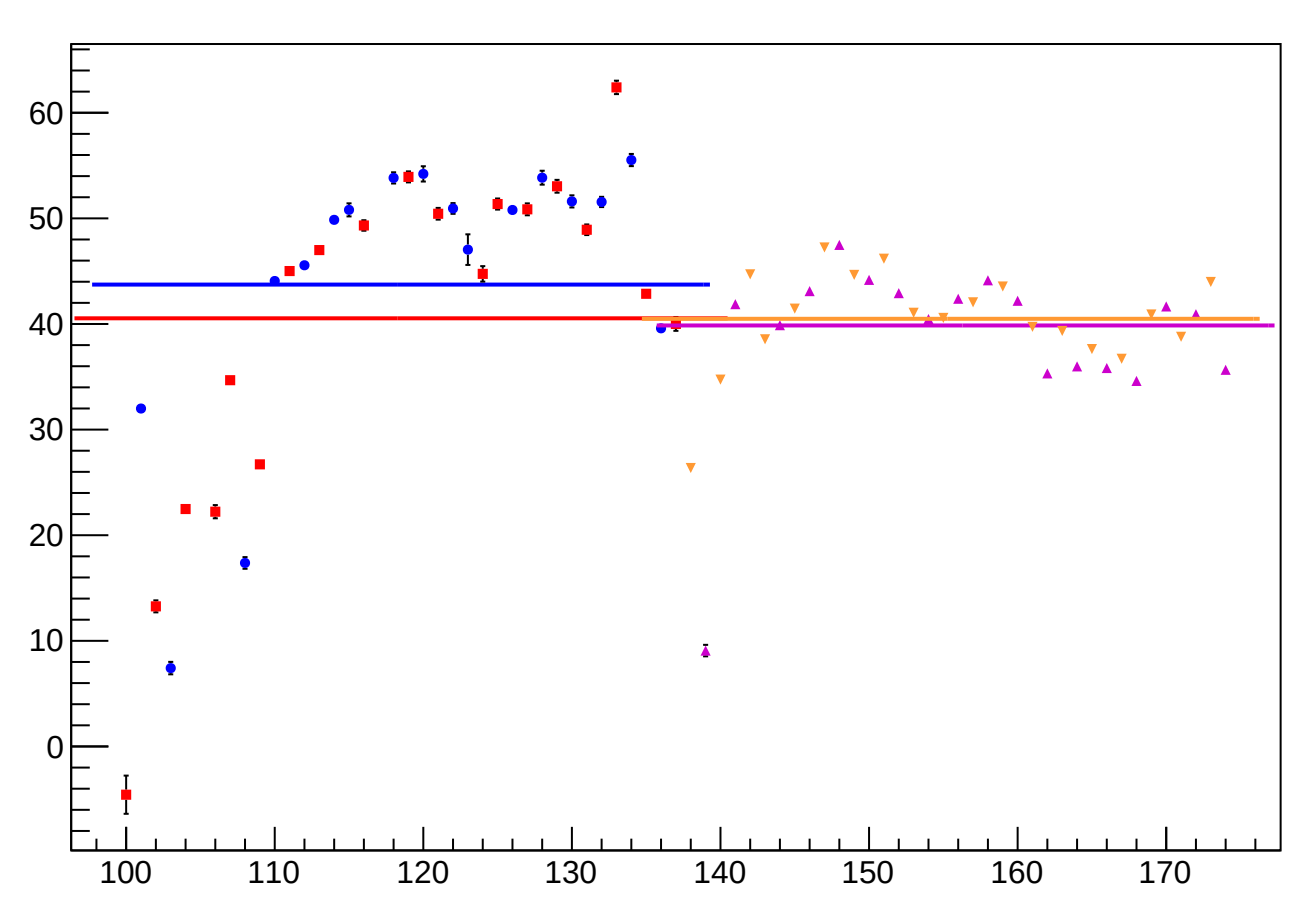
Left: -33.444+/-0.047 χ^2/NDF: 19887.1/36

Right: -48.367+/-0.081 χ^2/NDF: 26406.8/35

In: -36.572+/-0.059 χ^2/NDF:38458.2/34

Out: -37.772+/-0.057 χ^2/NDF:32861.7/37

All: -37.194+/-0.041 χ^2/NDF: 71536.6/72



Right In: 43.731+/-0.087 χ^2/NDF: 10567.7/16

Left Out: 40.491+/-0.056 χ^2/NDF:5652.6/18

Right Out: 40.537+/-0.080 χ^2/NDF: 17601.3/18

Left In: 39.860+/-0.057 χ^2/NDF:7363.1/17

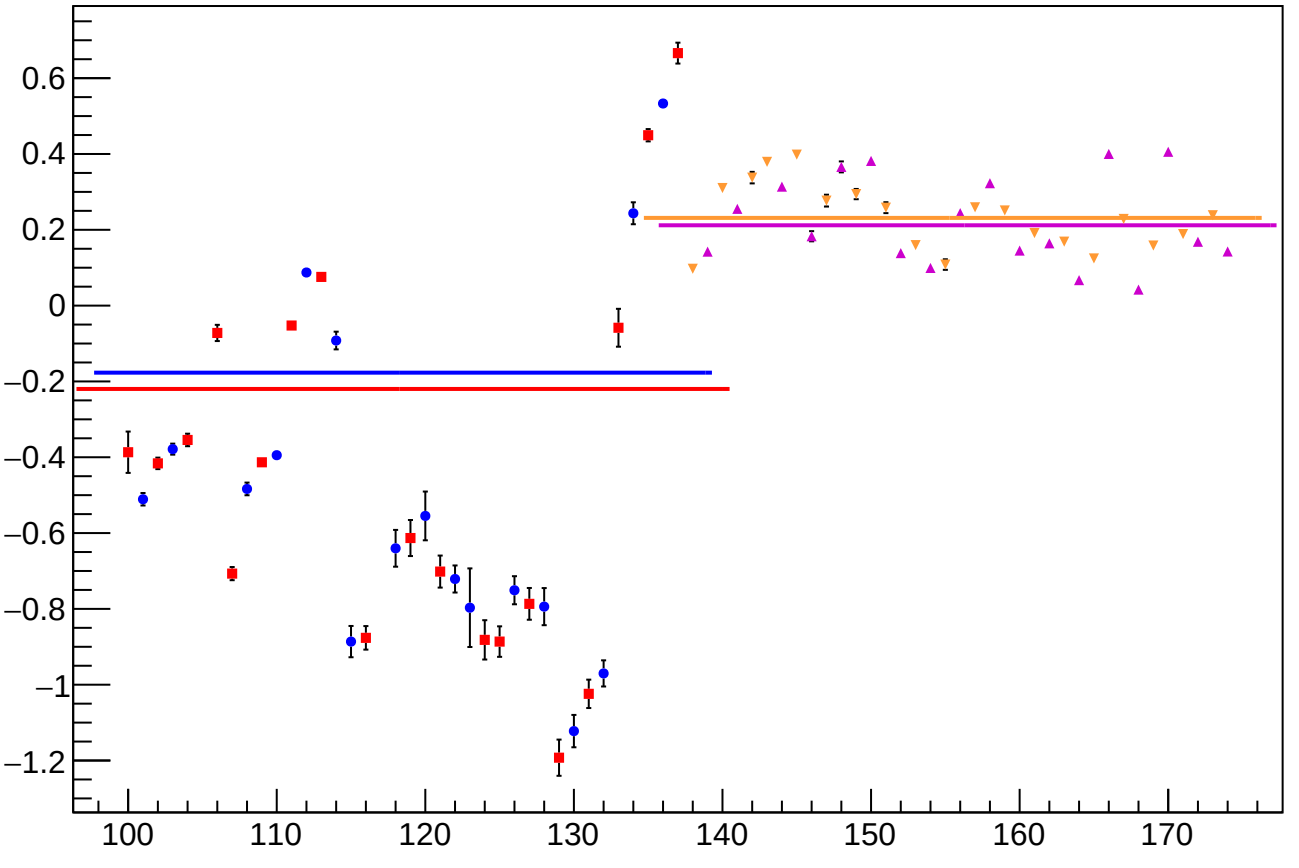
Left: 40.182+/-0.040 χ^2/NDF: 13078.8/36

Right: 42.007+/-0.059 χ^2/NDF: 28898.9/35

In: 41.018+/-0.047 χ^2/NDF:19323.2/34

Out: 40.506+/-0.046 χ^2/NDF:23254.1/37

All: 40.752+/-0.033 χ^2/NDF: 42637.7/72



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: 0.212+/-0.003 χ^2/NDF:1924.4/17

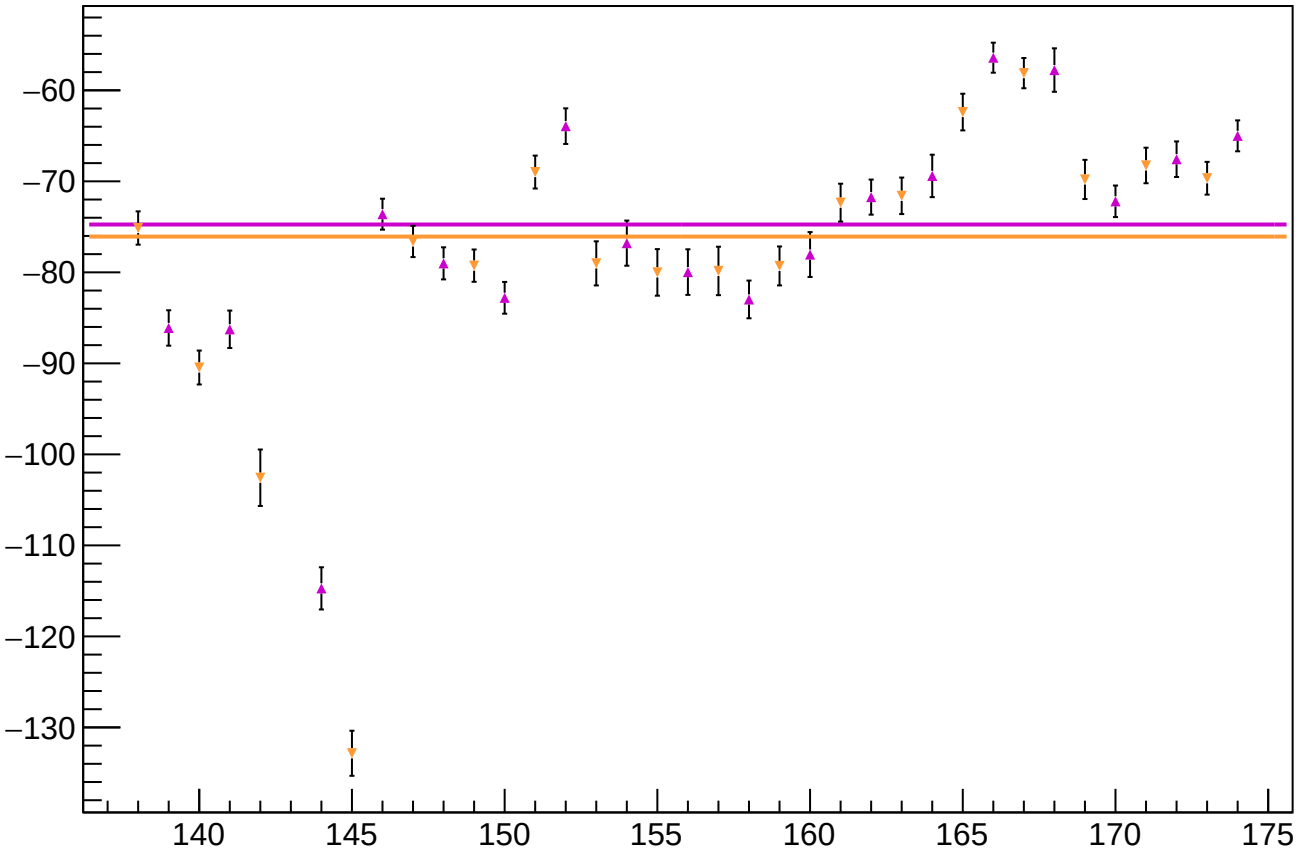
Left: 0.222+/-0.002 χ^2/NDF: 2969.3/36

Right: -0.201+/-0.003 χ^2/NDF: 14839.1/35

In: 0.126+/-0.002 χ^2/NDF:14310.9/34

Out: 0.111+/-0.002 χ^2/NDF:16517.5/37

All: 0.118+/-0.002 χ^2/NDF: 30848.7/72



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: -74.743+/-0.466 χ^2/NDF:673.8/17

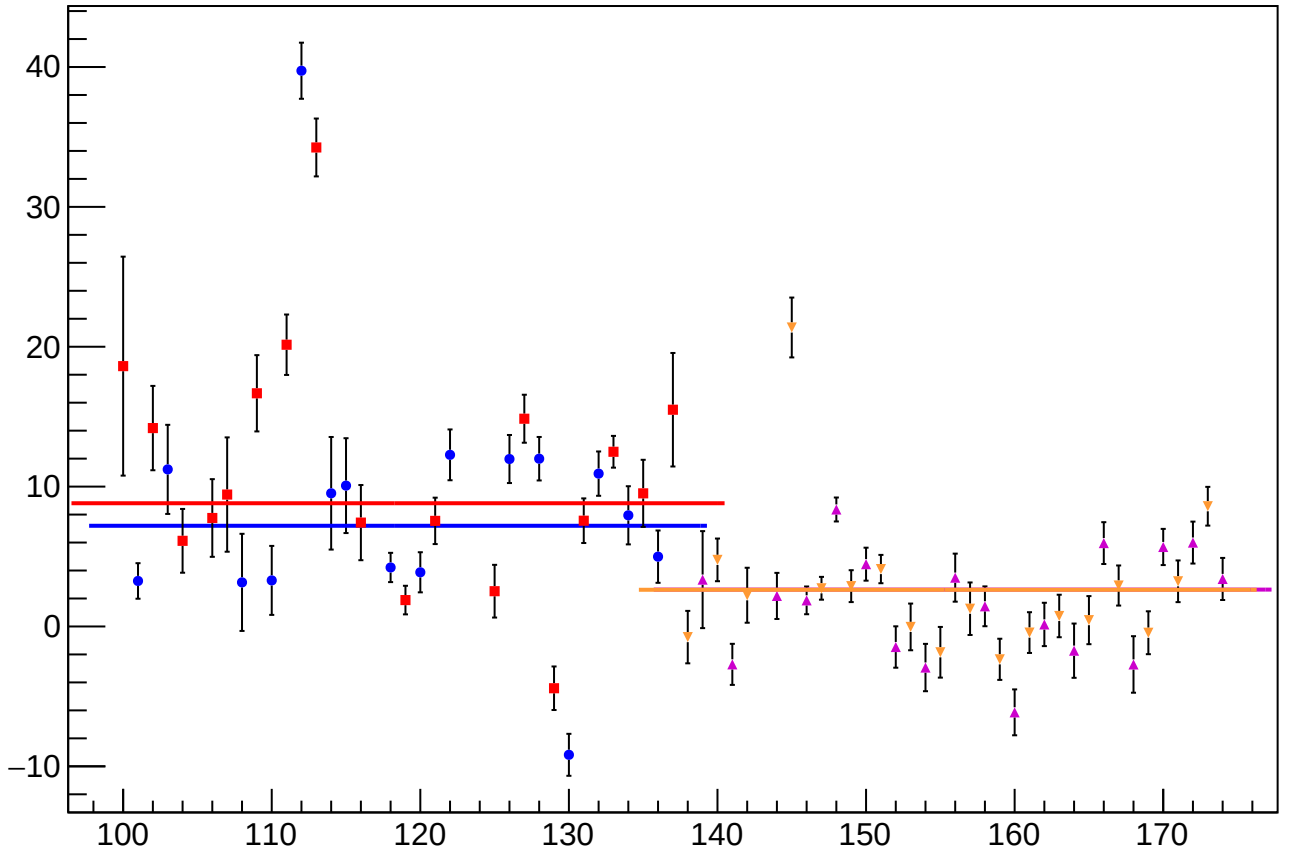
Left: -75.391+/-0.334 χ^2/NDF: 1571.7/35

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -74.743+/-0.466 χ^2/NDF:673.8/17

Out: -76.071+/-0.478 χ^2/NDF:893.9/17

All: -75.391+/-0.334 χ^2/NDF: 1571.7/35



Right In: 7.199+/-0.440 χ^2/NDF: 443.8/15

Left Out: 2.623+/-0.334 χ^2/NDF:135.2/17

Right Out: 8.810+/-0.448 χ^2/NDF: 349.7/17

Left In: 2.636+/-0.335 χ^2/NDF:139.7/17

Left: 2.630+/-0.237 χ^2/NDF: 274.8/35

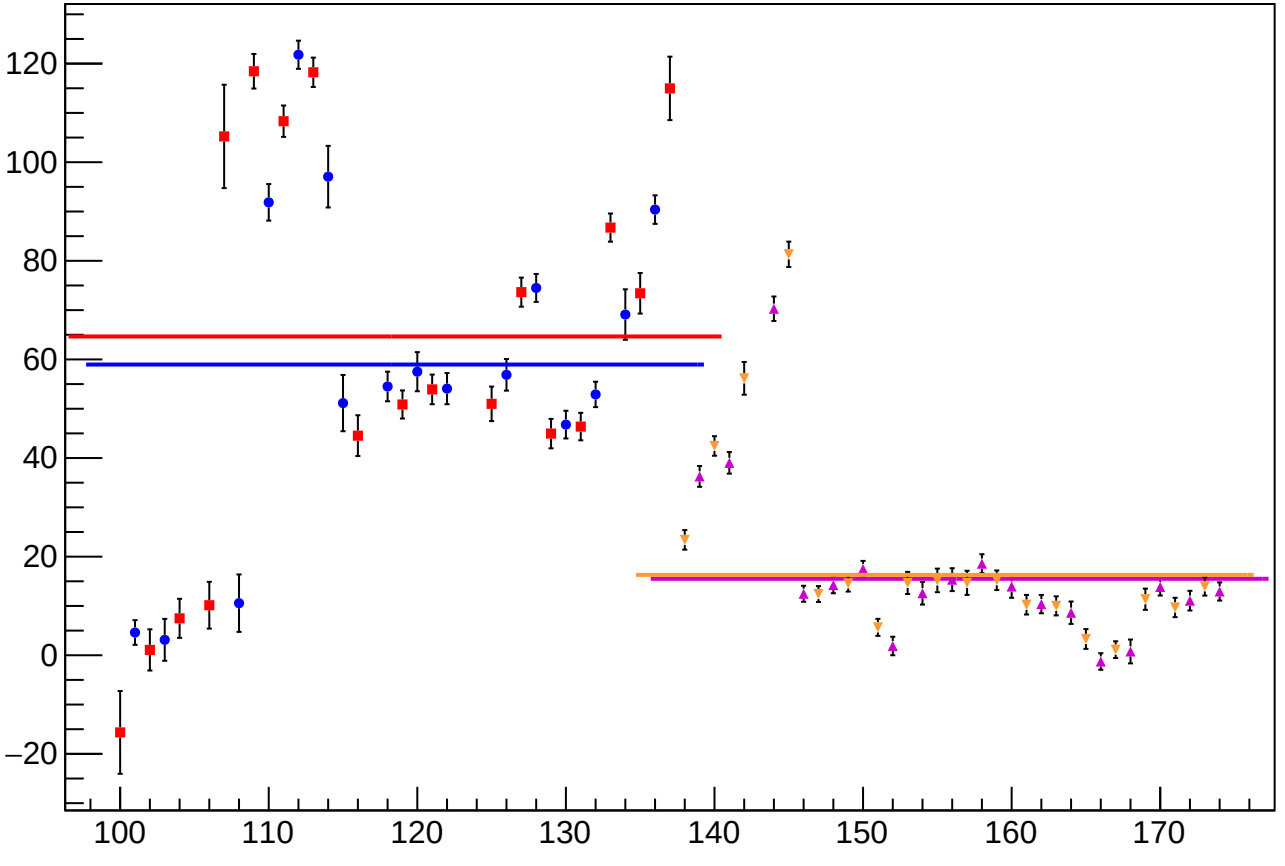
Right: 7.990+/-0.314 χ^2/NDF: 800.1/33

In: 4.316+/-0.267 χ^2/NDF:651.5/33

Out: 4.833+/-0.268 χ^2/NDF:607.6/35

All: 4.574+/-0.189 χ^2/NDF: 1261.0/69

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962+/-0.837 χ^2/NDF: 1496.5/15

Left Out: 16.303+/-0.471 χ^2/NDF:1177.2/17

Right Out: 64.655+/-0.840 χ^2/NDF: 1721.8/17

Left In: 15.510+/-0.460 χ^2/NDF:925.5/17

Left: 15.897+/-0.329 χ^2/NDF: 2104.2/35

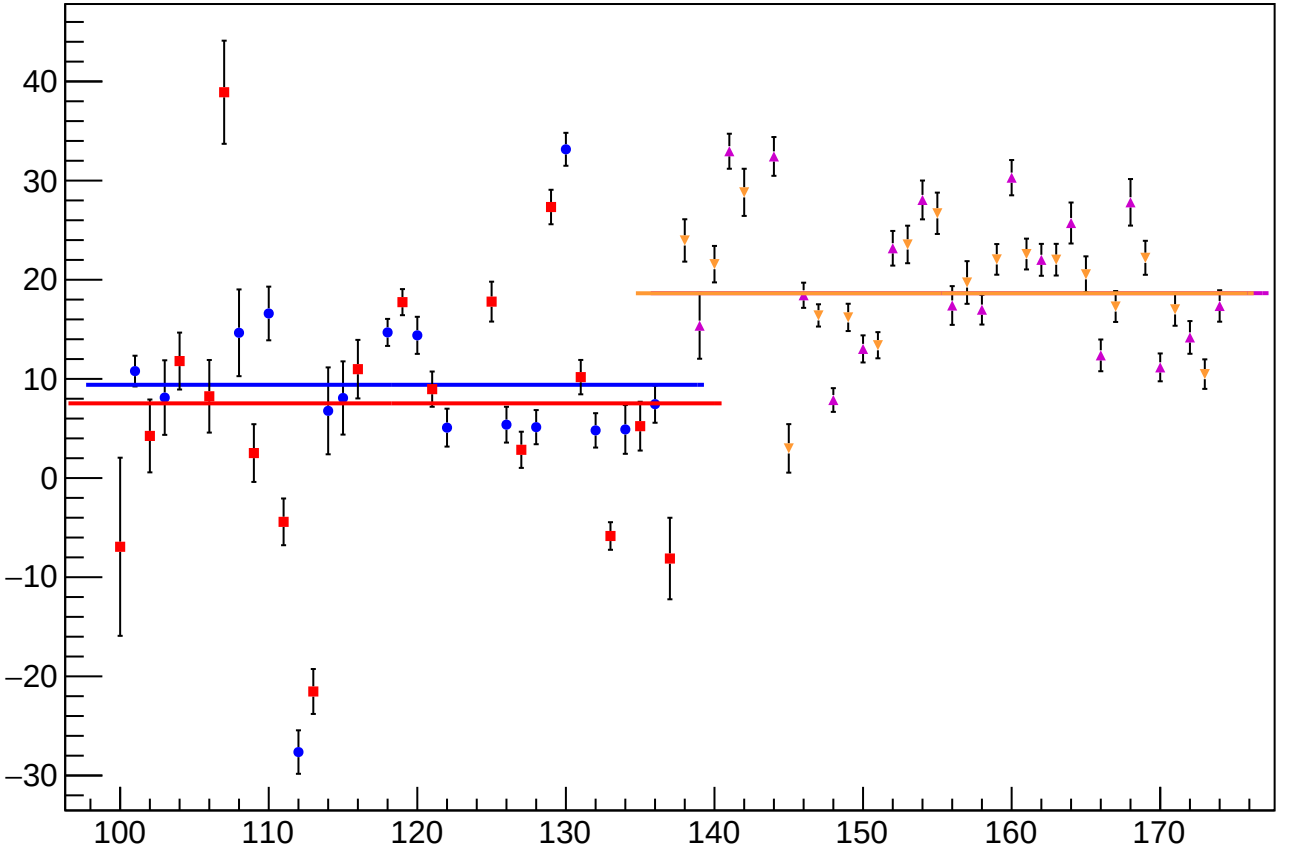
Right: 61.798+/-0.593 χ^2/NDF: 3241.4/33

In: 25.593+/-0.403 χ^2/NDF:4491.9/33

Out: 27.873+/-0.411 χ^2/NDF:5419.3/35

All: 26.711+/-0.288 χ^2/NDF: 9926.9/69

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: 18.646+/-0.389 χ^2/NDF:371.8/17

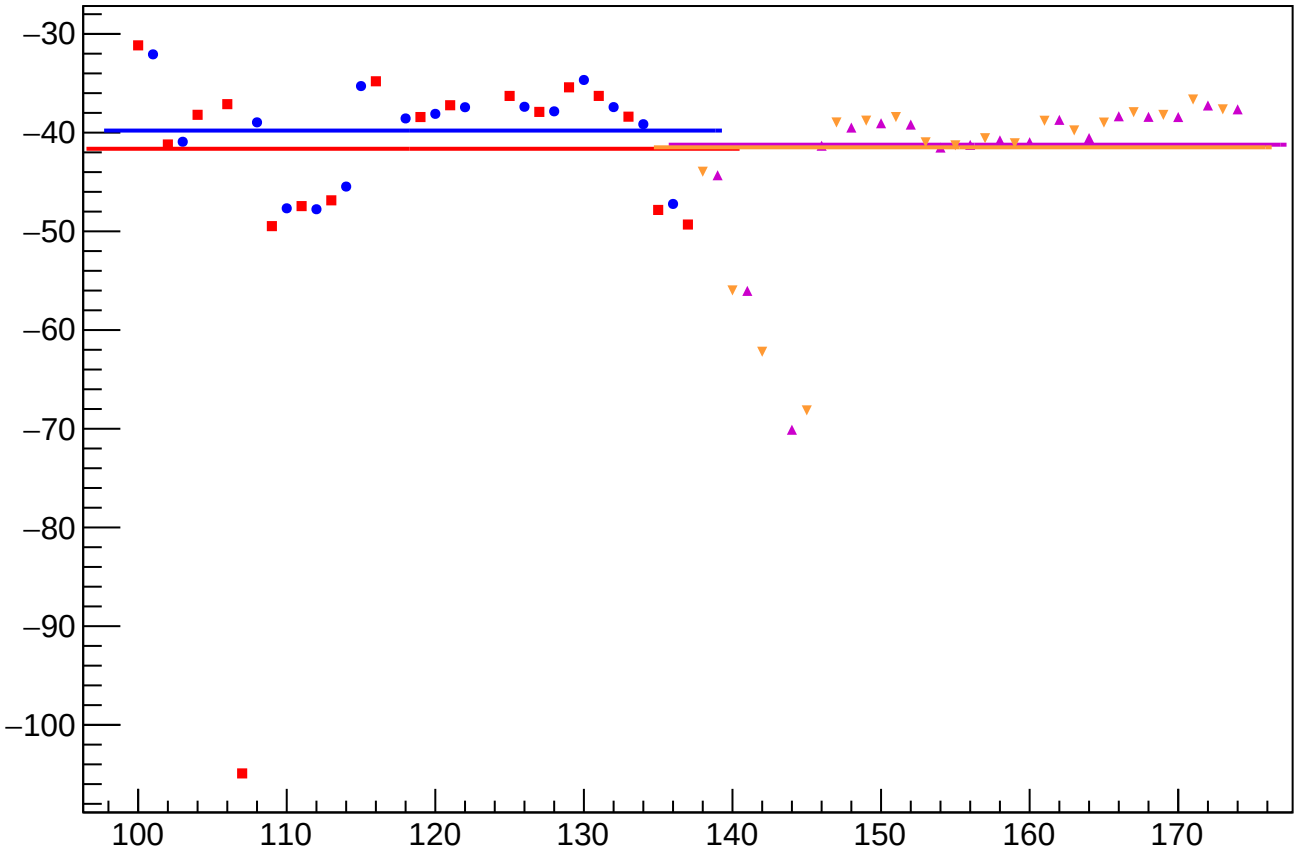
Left: 18.641+/-0.276 χ^2/NDF: 537.6/35

Right: 8.484+/-0.361 χ^2/NDF: 1126.0/33

In: 15.217+/-0.309 χ^2/NDF:1130.5/33

Out: 14.588+/-0.311 χ^2/NDF:1031.1/35

All: 14.904+/-0.219 χ^2/NDF: 2163.7/69



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: -41.223+/-0.018 χ^2/NDF:114322.6/17

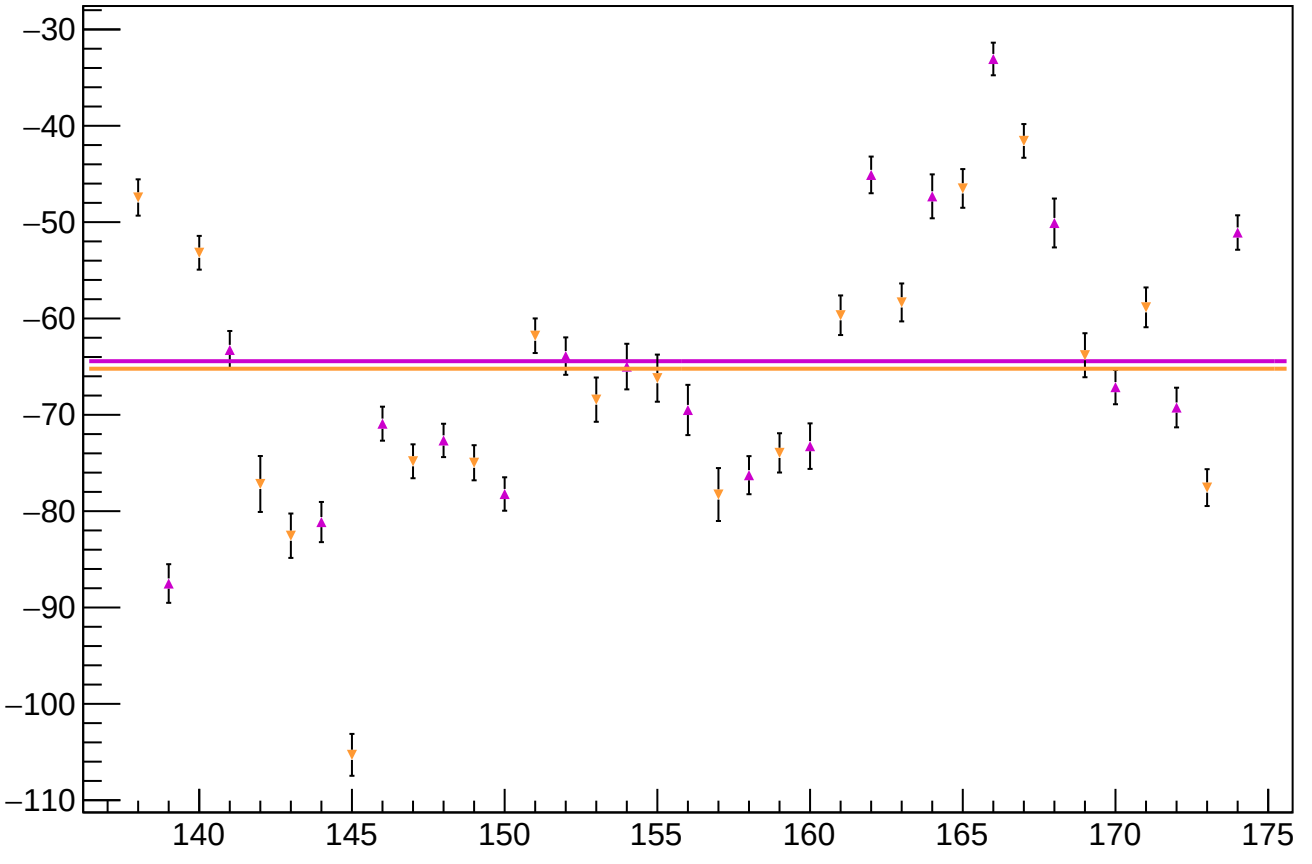
Left: -41.352+/-0.013 χ^2/NDF: 255738.7/35

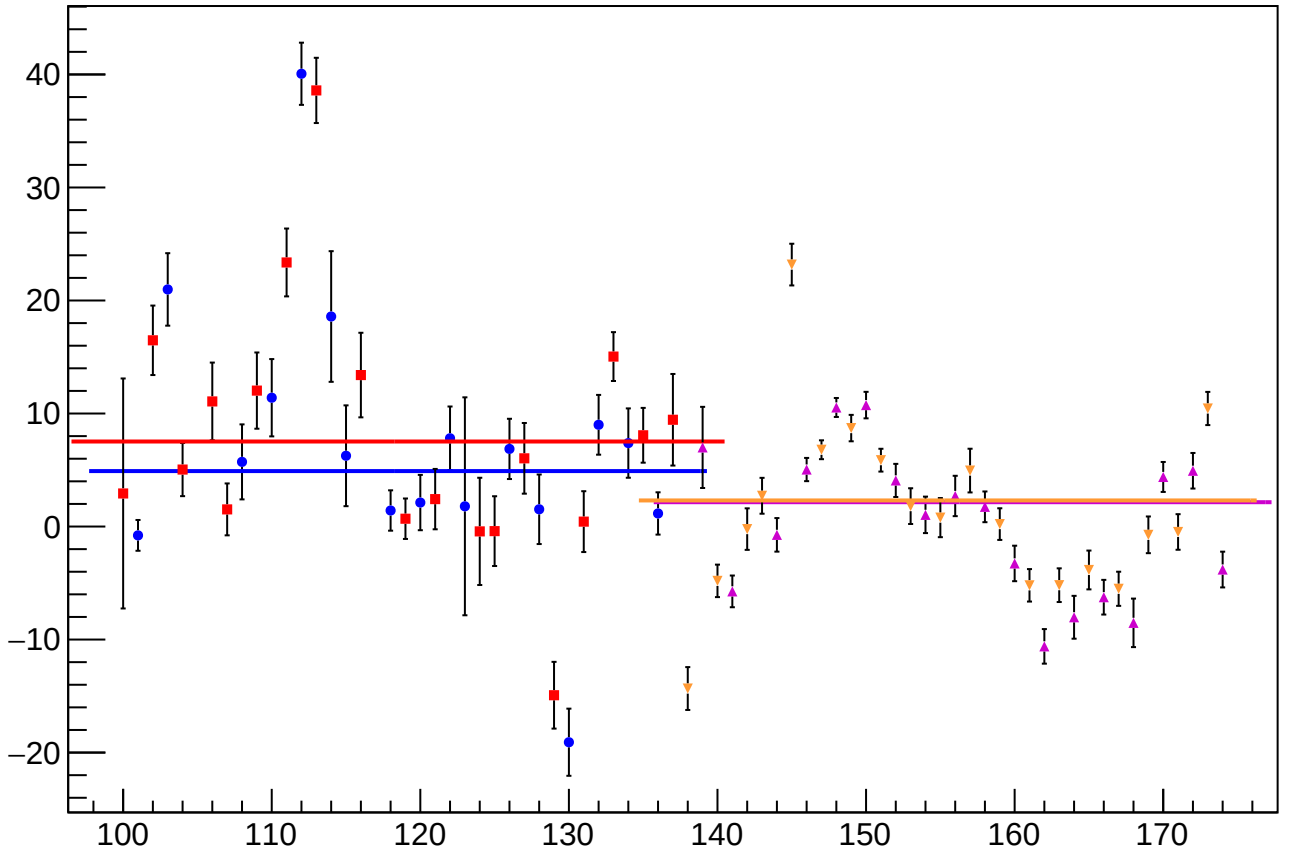
Right: -40.714+/-0.022 χ^2/NDF: 122277.1/33

In: -40.867+/-0.016 χ^2/NDF:142041.6/33

Out: -41.526+/-0.016 χ^2/NDF:235720.4/35

All: -41.190+/-0.011 χ^2/NDF: 378639.0/69


reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected
−30
−40
−50
−60
−70
−80
−90
−100
−110
140
145
150
155
160
165
170
175
Right In: 0.000+/-0.000 χ²/NDF: 0.0/0
Left Out: -65.213+/-0.468 χ²/NDF:995.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 0.0/0
Left In: -64.434+/-0.467 χ²/NDF:947.9/17
Left: -64.822+/-0.331 χ²/NDF: 1944.5/36
Right: 0.000+/-0.000 χ²/NDF: 0.0/0
In: -64.434+/-0.467 χ²/NDF:947.9/17
Out: -65.213+/-0.468 χ²/NDF:995.2/18
All: -64.822+/-0.331 χ²/NDF: 1944.5/36



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: 2.153+/-0.334 χ^2/NDF:386.2/17

Left: 2.233+/-0.234 χ^2/NDF: 823.7/36

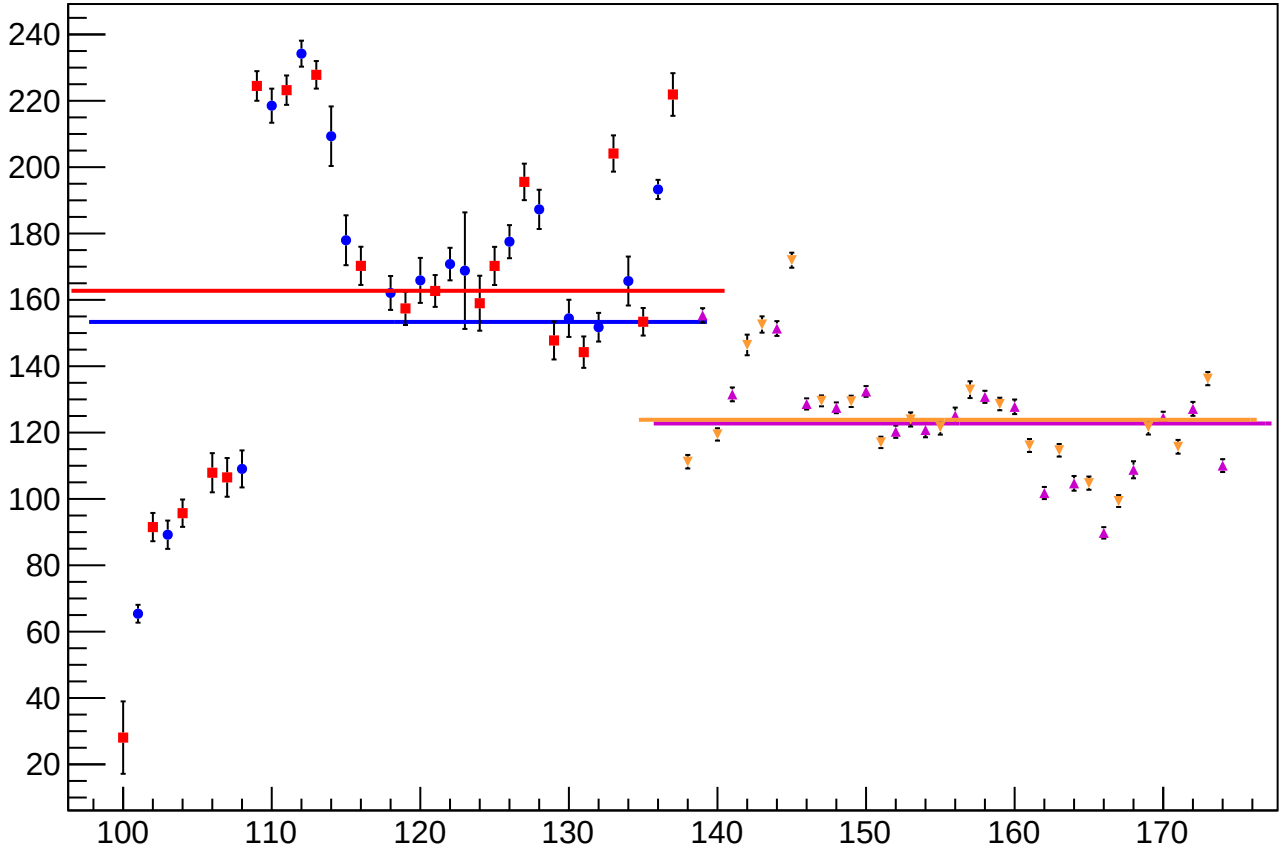
Right: 6.168+/-0.452 χ^2/NDF: 574.4/35

In: 2.761+/-0.295 χ^2/NDF:696.6/34

Out: 3.359+/-0.292 χ^2/NDF:759.4/37

All: 3.063+/-0.207 χ^2/NDF: 1458.0/72

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: 122.742+/-0.460 χ^2/NDF:1131.6/17

Left: 123.298+/-0.326 χ^2/NDF: 2247.6/36

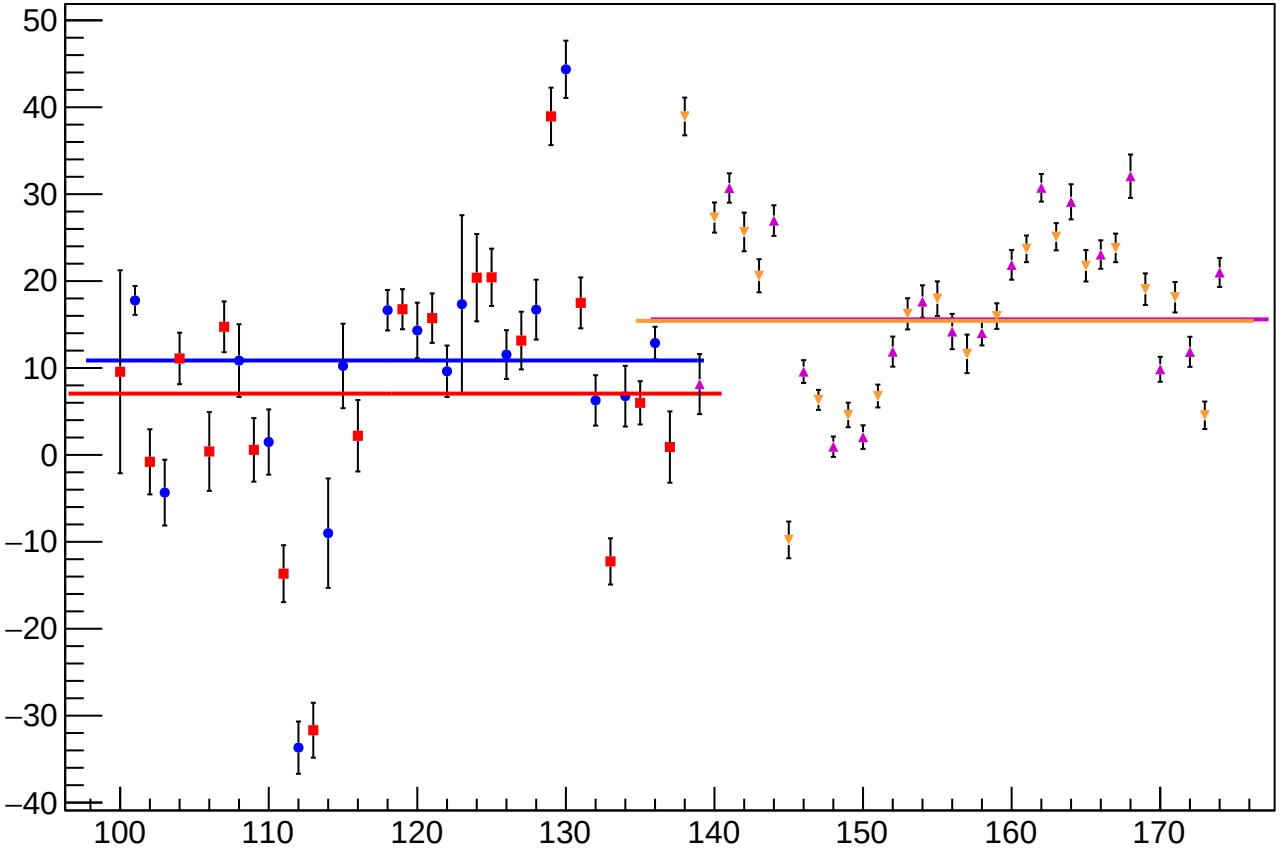
Right: 157.935+/-0.823 χ^2/NDF: 4009.6/35

In: 126.965+/-0.427 χ^2/NDF:4010.3/34

Out: 129.068+/-0.431 χ^2/NDF:3766.7/37

All: 128.008+/-0.303 χ^2/NDF: 7789.0/72

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864+/-0.719 χ^2/NDF: 387.9/16

Left Out: 15.422+/-0.382 χ^2/NDF:664.4/18

Right Out: 7.052+/-0.748 χ^2/NDF: 424.7/18

Left In: 15.592+/-0.388 χ^2/NDF:654.0/17

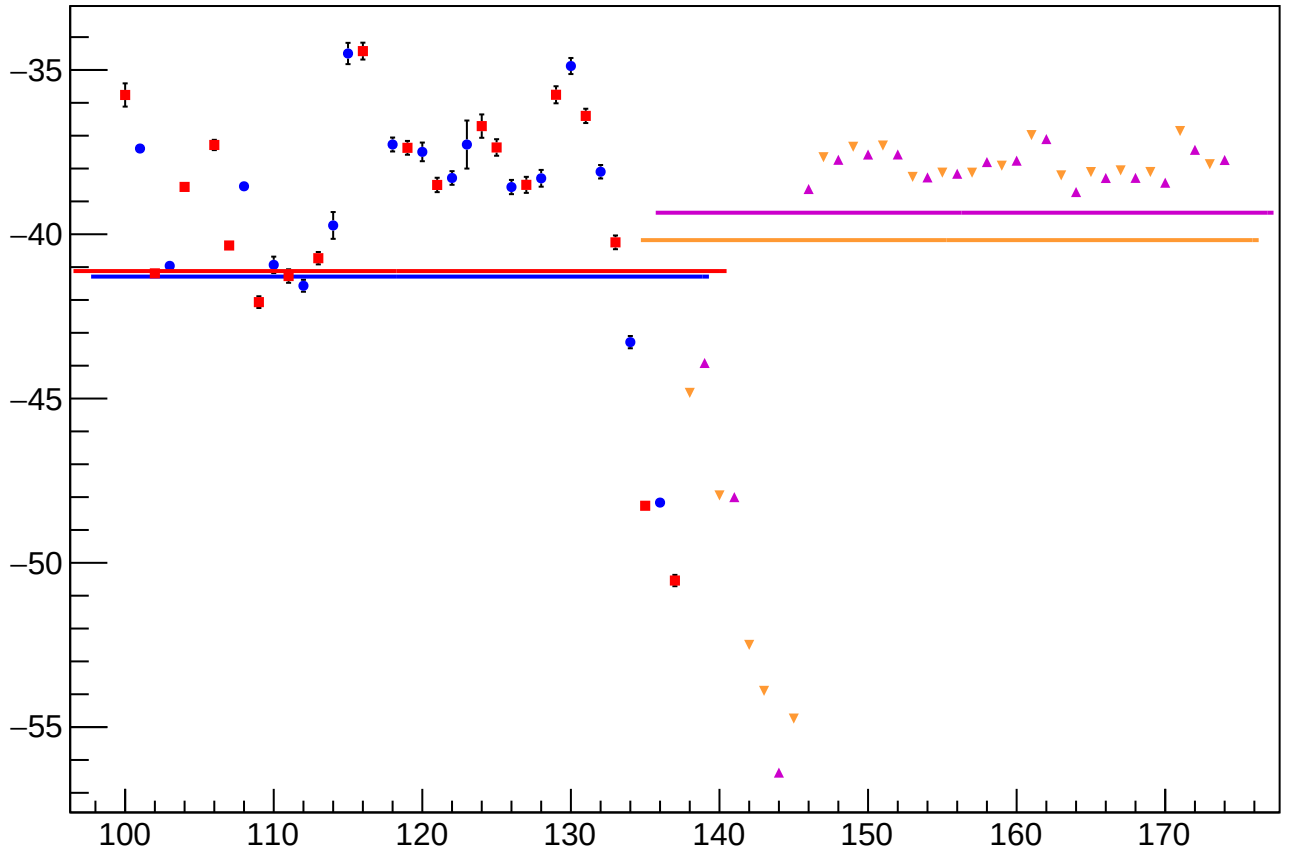
Left: 15.506+/-0.272 χ^2/NDF: 1318.5/36

Right: 9.031+/-0.518 χ^2/NDF: 826.1/35

In: 14.527+/-0.342 χ^2/NDF:1075.4/34

Out: 13.689+/-0.340 χ^2/NDF:1188.5/37

All: 14.106+/-0.241 χ^2/NDF: 2266.9/72



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: -39.344+/-0.018 χ^2/NDF:50472.7/17

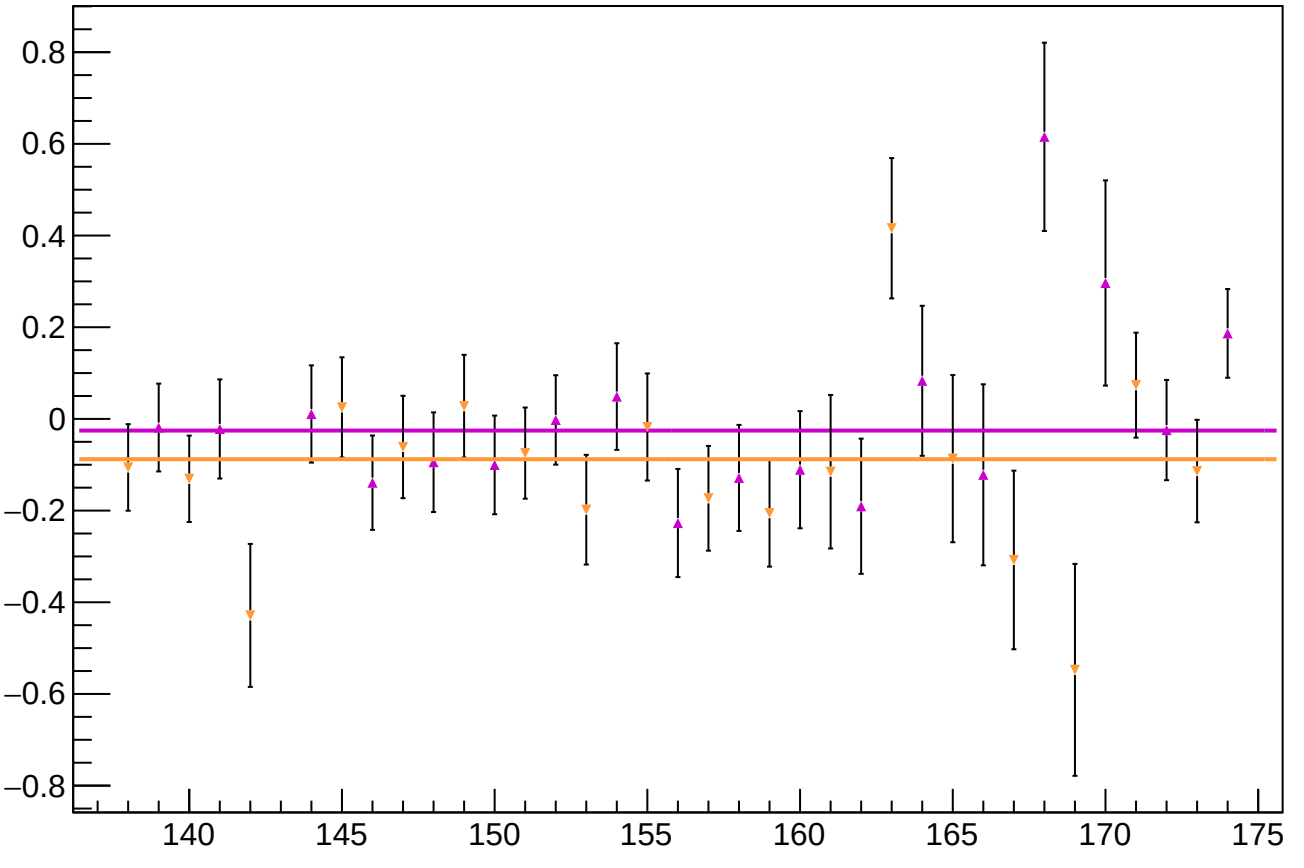
Left: -39.757+/-0.013 χ^2/NDF: 134148.6/36

Right: -41.205+/-0.027 χ^2/NDF: 24629.1/35

In: -39.691+/-0.016 χ^2/NDF:65064.8/34

Out: -40.349+/-0.016 χ^2/NDF:95209.0/37

All: -40.017+/-0.012 χ^2/NDF: 161079.4/72



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: -0.025+/-0.028 χ^2/NDF:25.4/17

Left: -0.056+/-0.020 χ^2/NDF: 56.0/35

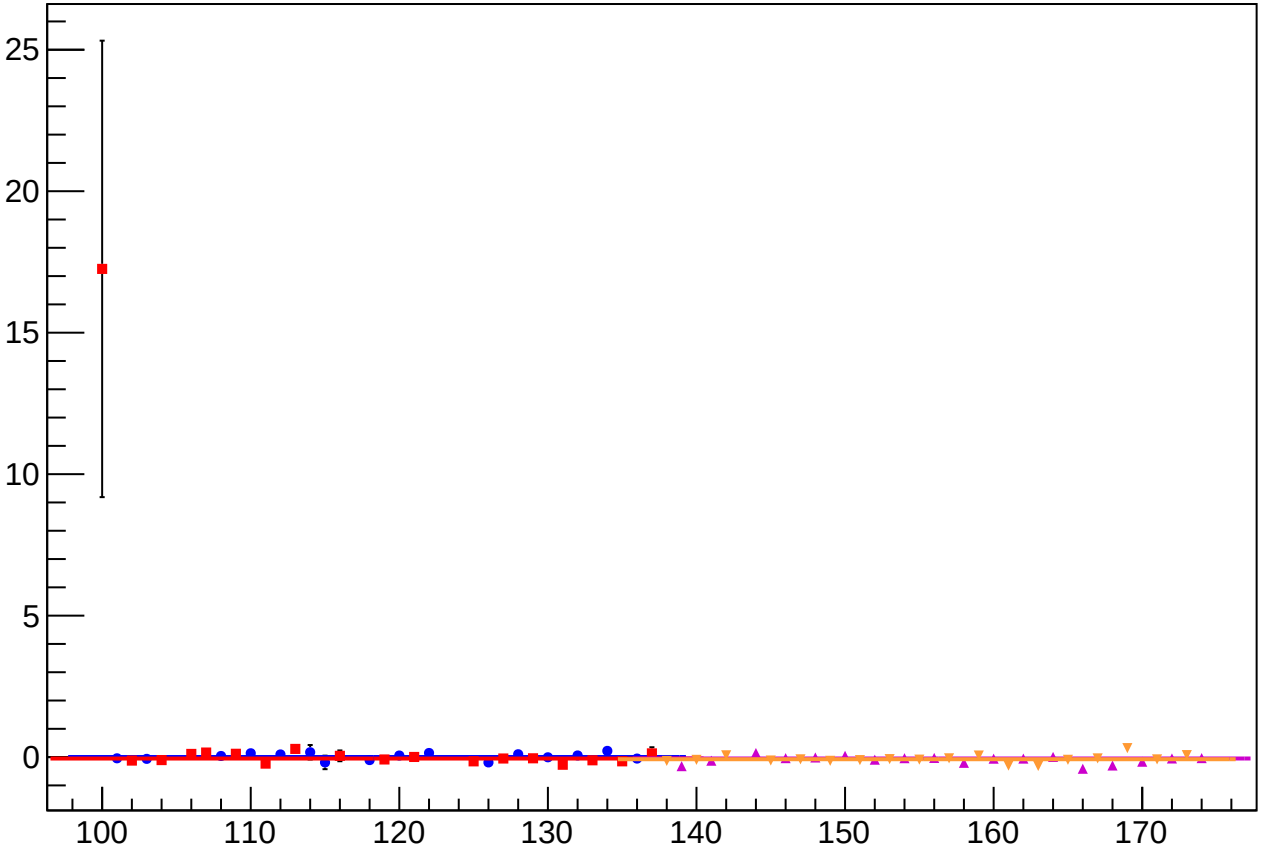
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -0.025+/-0.028 χ^2/NDF:25.4/17

Out: -0.088+/-0.029 χ^2/NDF:28.1/17

All: -0.056+/-0.020 χ^2/NDF: 56.0/35

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: -0.049+/-0.020 χ^2/NDF:23.0/17

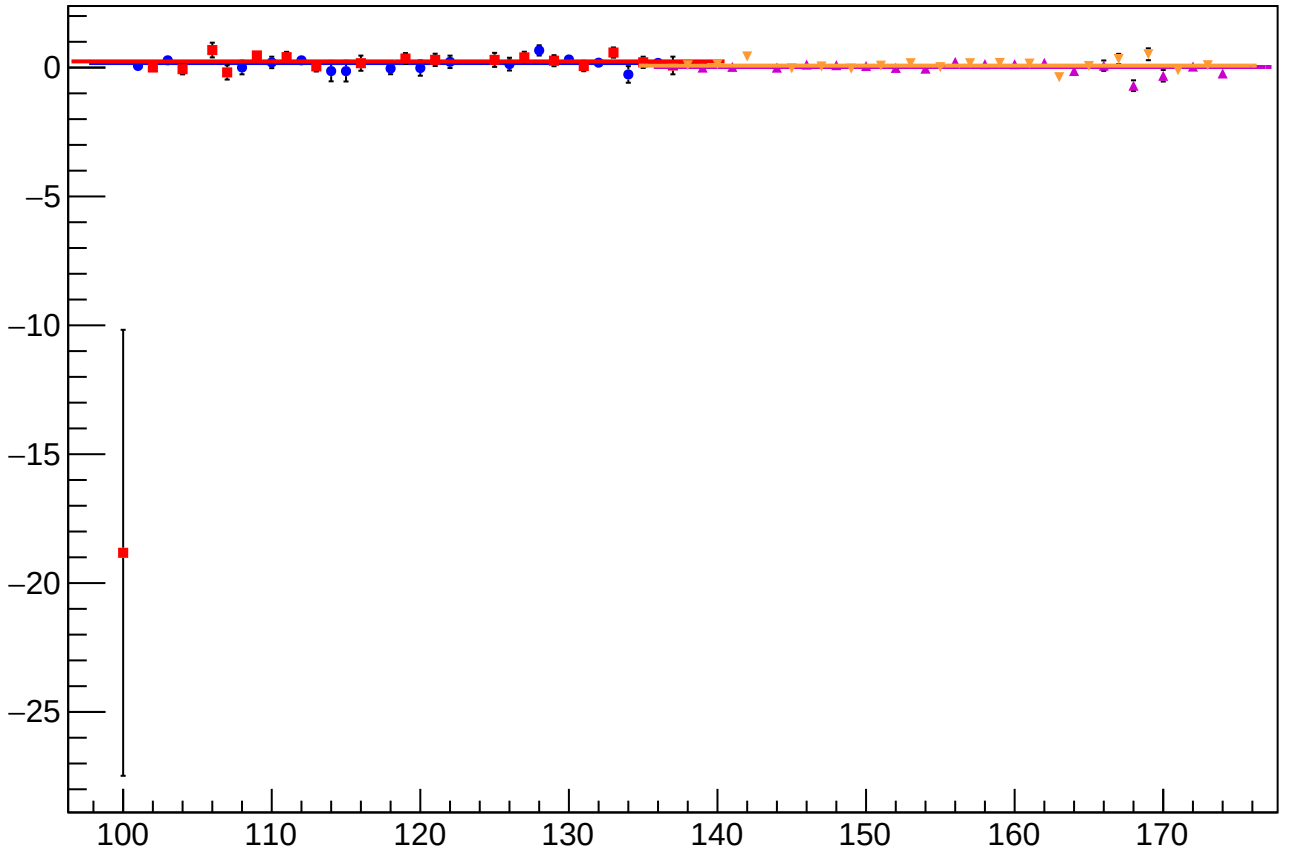
Left: -0.062+/-0.014 χ^2/NDF: 46.5/35

Right: -0.023+/-0.020 χ^2/NDF: 39.7/33

In: -0.032+/-0.016 χ^2/NDF:37.7/33

Out: -0.067+/-0.017 χ^2/NDF:48.8/35

All: -0.049+/-0.012 χ^2/NDF: 88.7/69



Right In: 0.176+/-0.053 χ^2/NDF: 13.0/15

Left Out: 0.076+/-0.028 χ^2/NDF:27.0/17

Right Out: 0.240+/-0.054 χ^2/NDF: 21.6/17

Left In: 0.022+/-0.028 χ^2/NDF:29.7/17

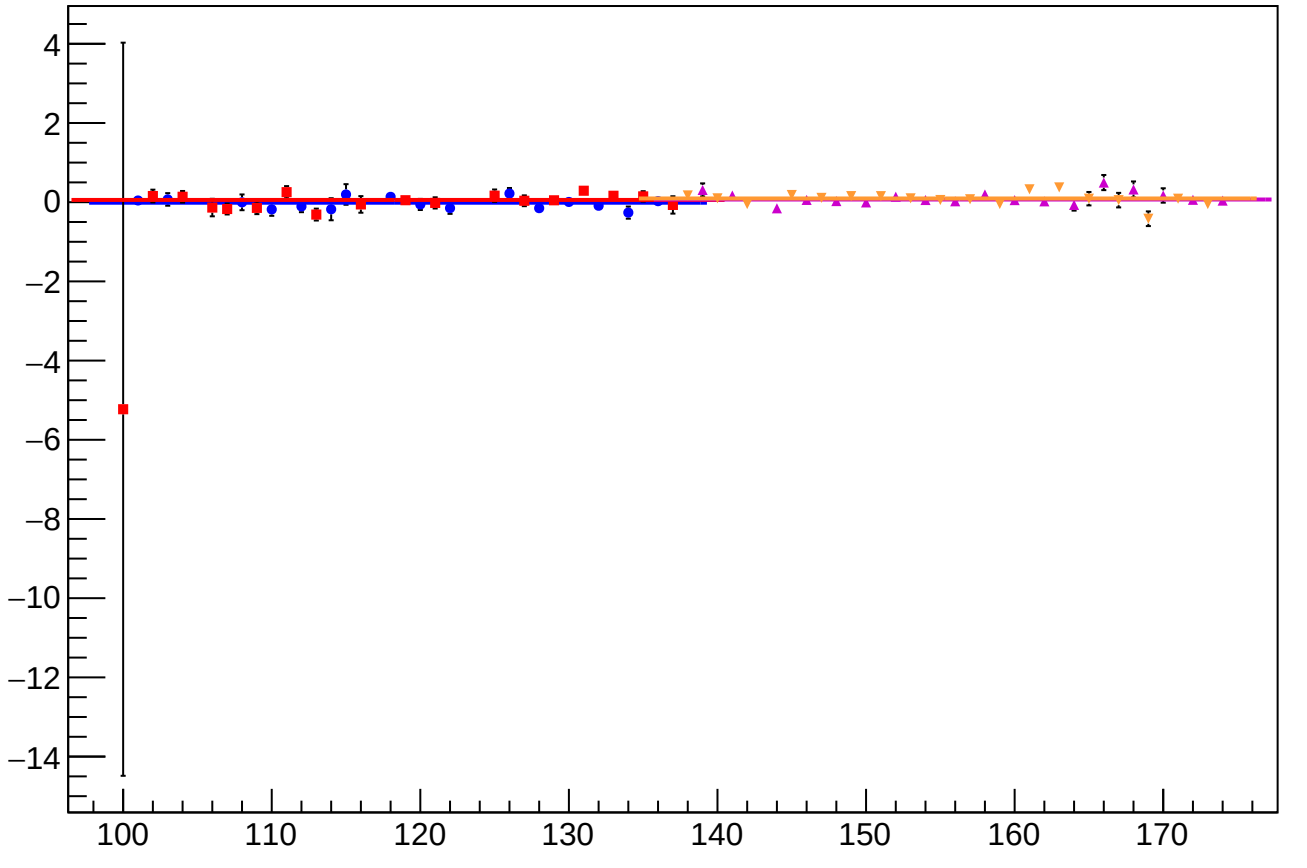
Left: 0.049+/-0.020 χ^2/NDF: 58.6/35

Right: 0.207+/-0.038 χ^2/NDF: 35.3/33

In: 0.056+/-0.024 χ^2/NDF:49.4/33

Out: 0.112+/-0.025 χ^2/NDF:55.8/35

All: 0.083+/-0.017 χ^2/NDF: 107.7/69



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: 0.068+/-0.023 χ^2/NDF:21.8/17

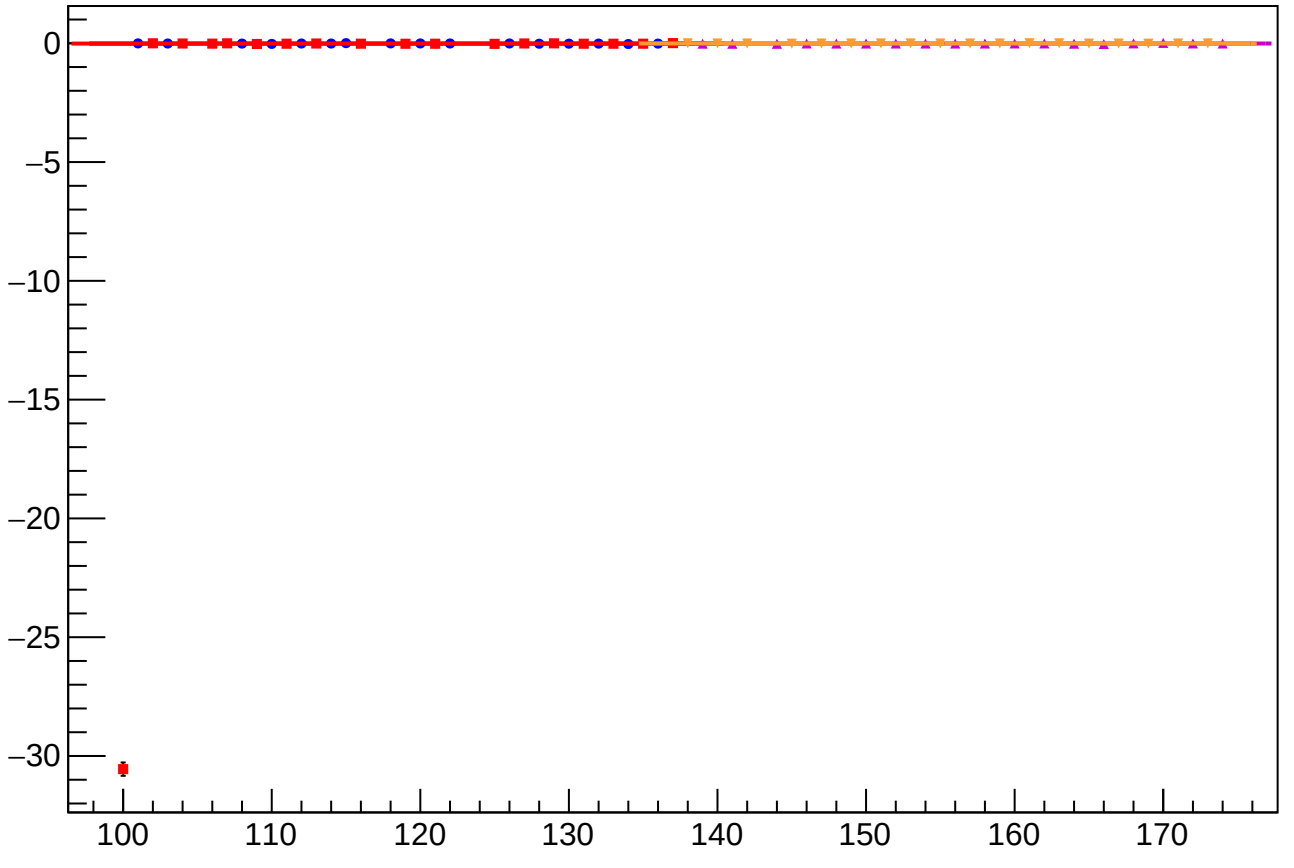
Left: 0.081+/-0.017 χ^2/NDF: 47.5/35

Right: 0.021+/-0.024 χ^2/NDF: 36.2/33

In: 0.041+/-0.019 χ^2/NDF:39.4/33

Out: 0.082+/-0.019 χ^2/NDF:46.3/35

All: 0.061+/-0.014 χ^2/NDF: 88.0/69



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:30.4/17

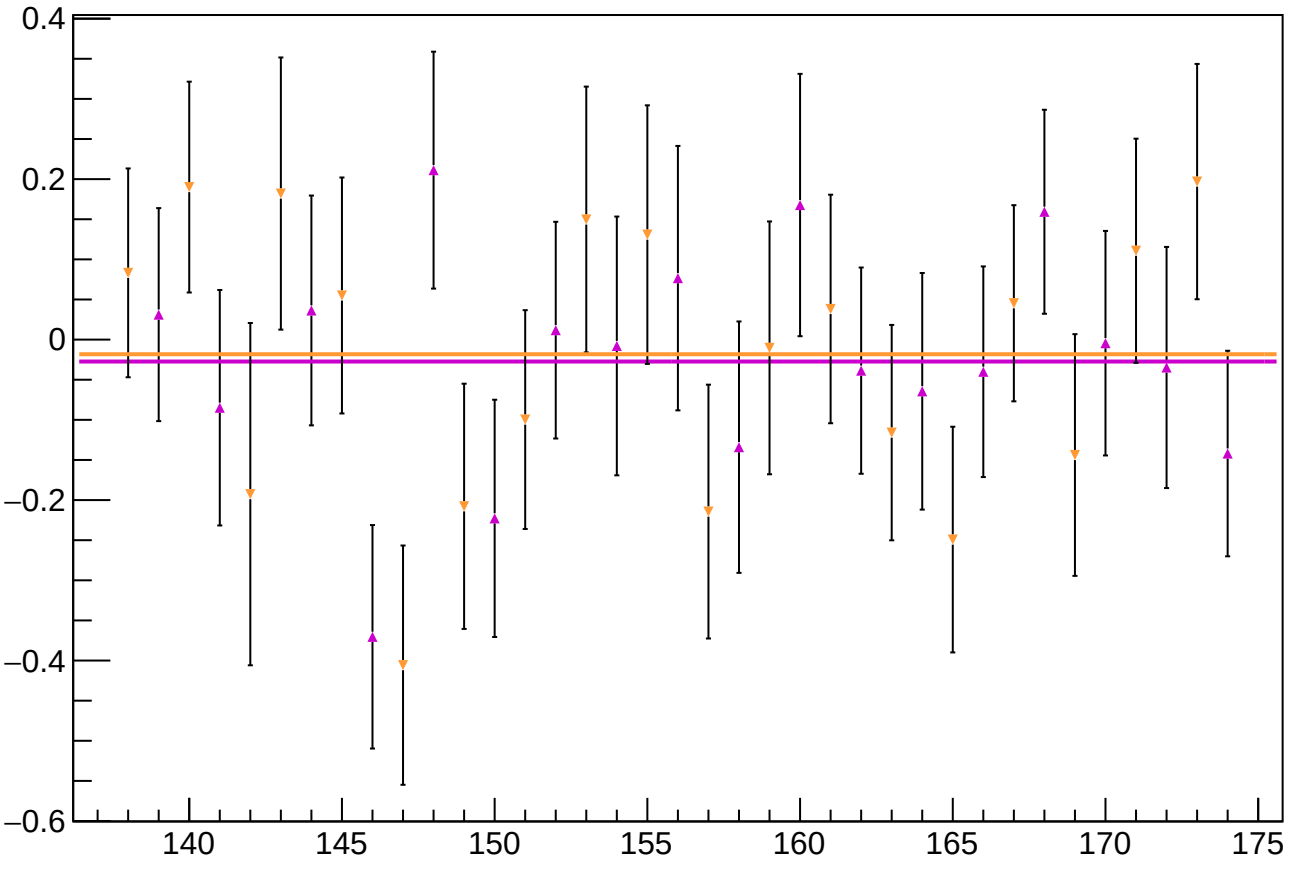
Left: -0.009+/-0.001 χ^2/NDF: 44.8/35

Right: -0.012+/-0.001 χ^2/NDF: 11904.1/33

In: -0.010+/-0.001 χ^2/NDF:44.3/33

Out: -0.009+/-0.001 χ^2/NDF:11908.1/35

All: -0.010+/-0.001 χ^2/NDF: 11952.8/69



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

Left Out: -0.018+/-0.034 χ^2/NDF:24.9/18

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

Left In: -0.027+/-0.034 χ^2/NDF:16.4/17

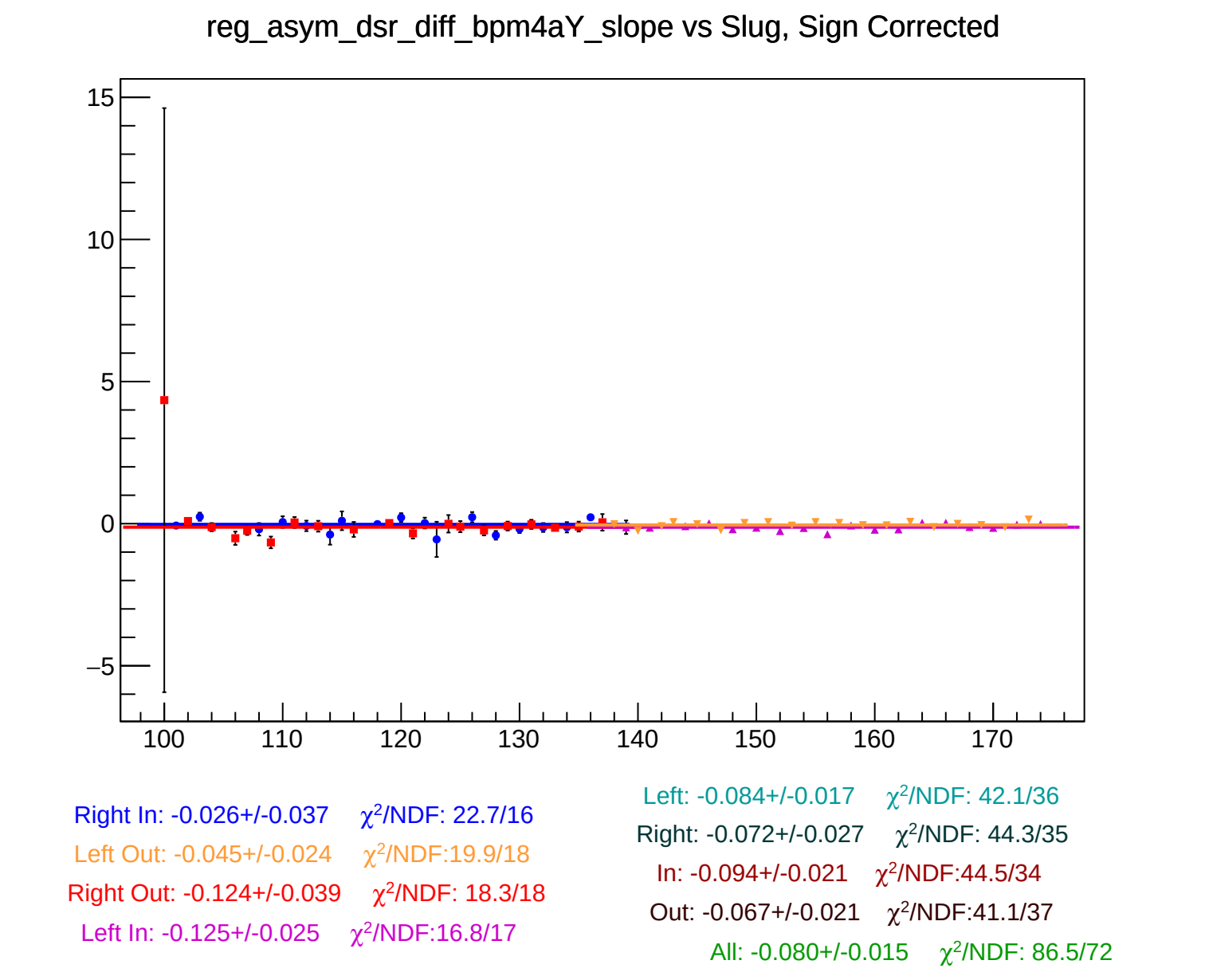
Left: -0.023+/-0.024 χ^2/NDF: 41.3/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -0.027+/-0.034 χ^2/NDF:16.4/17

Out: -0.018+/-0.034 χ^2/NDF:24.9/18

All: -0.023+/-0.024 χ^2/NDF: 41.3/36


reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected
15
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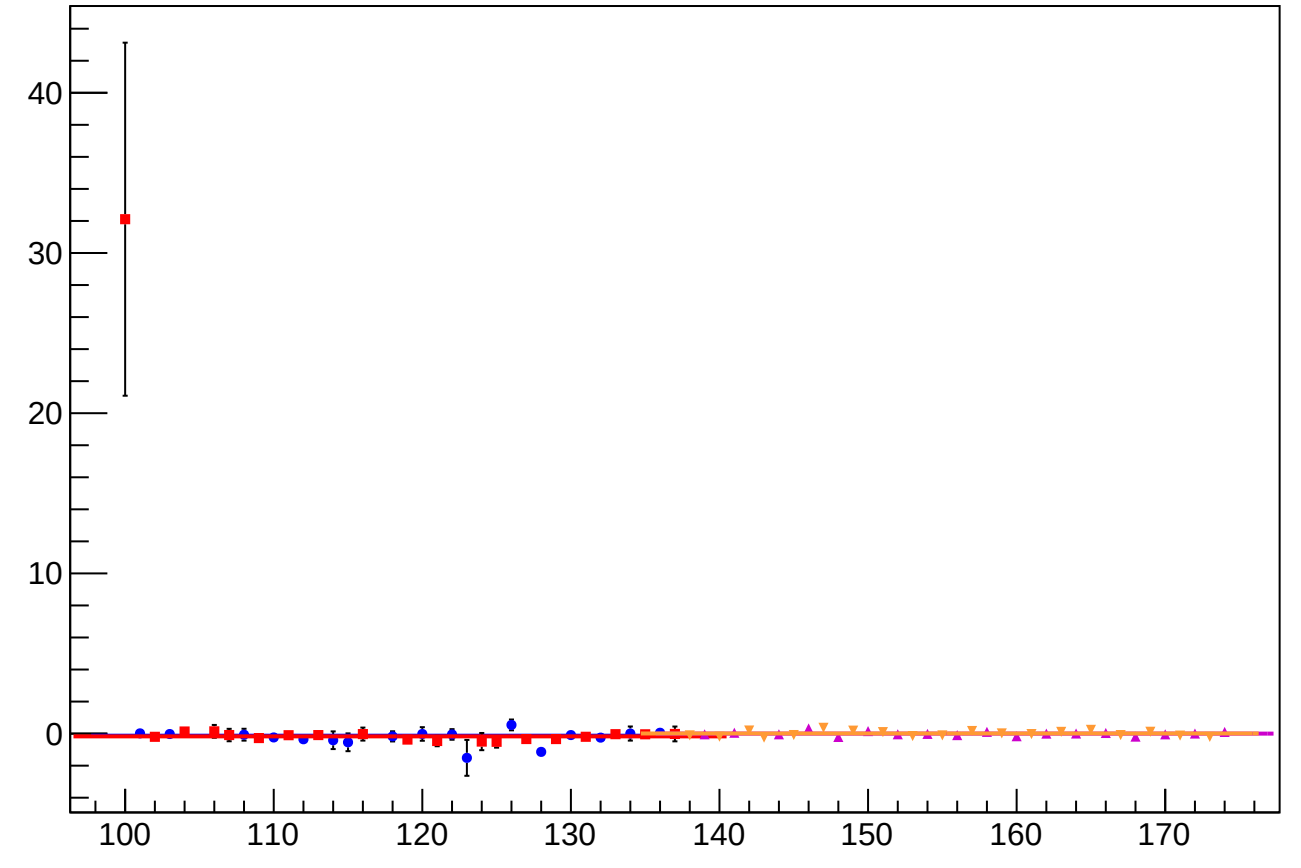
170
Right In: -0.026+/-0.037 χ²/NDF: 22.7/16
Left Out: -0.045+/-0.024 χ²/NDF:19.9/18
Right Out: -0.124+/-0.039 χ²/NDF: 18.3/18
Left In: -0.125+/-0.025 χ²/NDF:16.8/17
Left: -0.084+/-0.017 χ²/NDF: 42.1/36
Right: -0.072+/-0.027 χ²/NDF: 44.3/35
In: -0.094+/-0.021 χ²/NDF:44.5/34
Out: -0.067+/-0.021 χ²/NDF:41.1/37
All: -0.080+/-0.015 χ²/NDF: 86.5/72



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: 0.000+/-0.033 χ^2/NDF:14.8/17

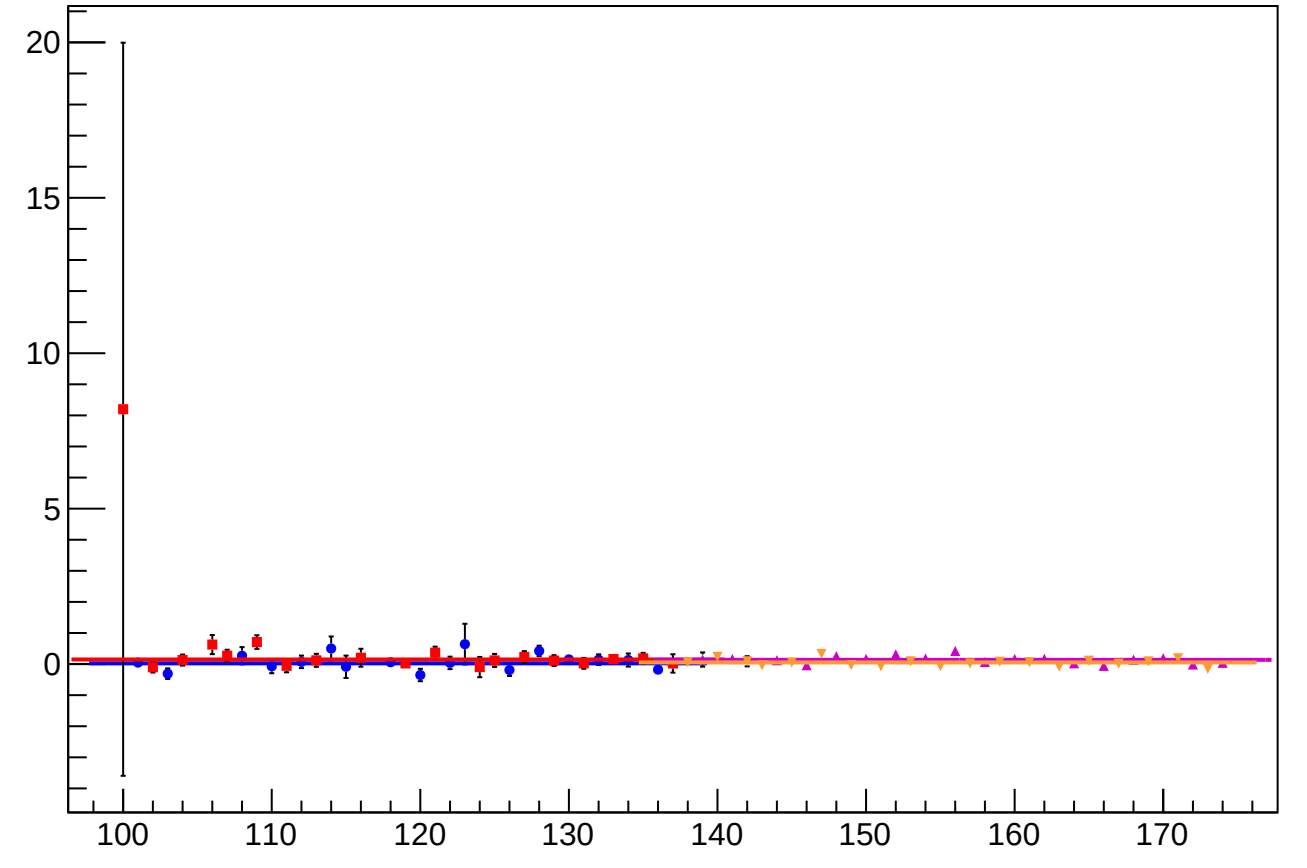
Left: 0.005+/-0.024 χ^2/NDF: 39.3/36

Right: -0.150+/-0.049 χ^2/NDF: 38.2/35

In: -0.025+/-0.030 χ^2/NDF:40.9/34

Out: -0.024+/-0.030 χ^2/NDF:44.7/37

All: -0.025+/-0.021 χ^2/NDF: 85.6/72



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: 0.137+/-0.029 χ^2/NDF:17.1/17

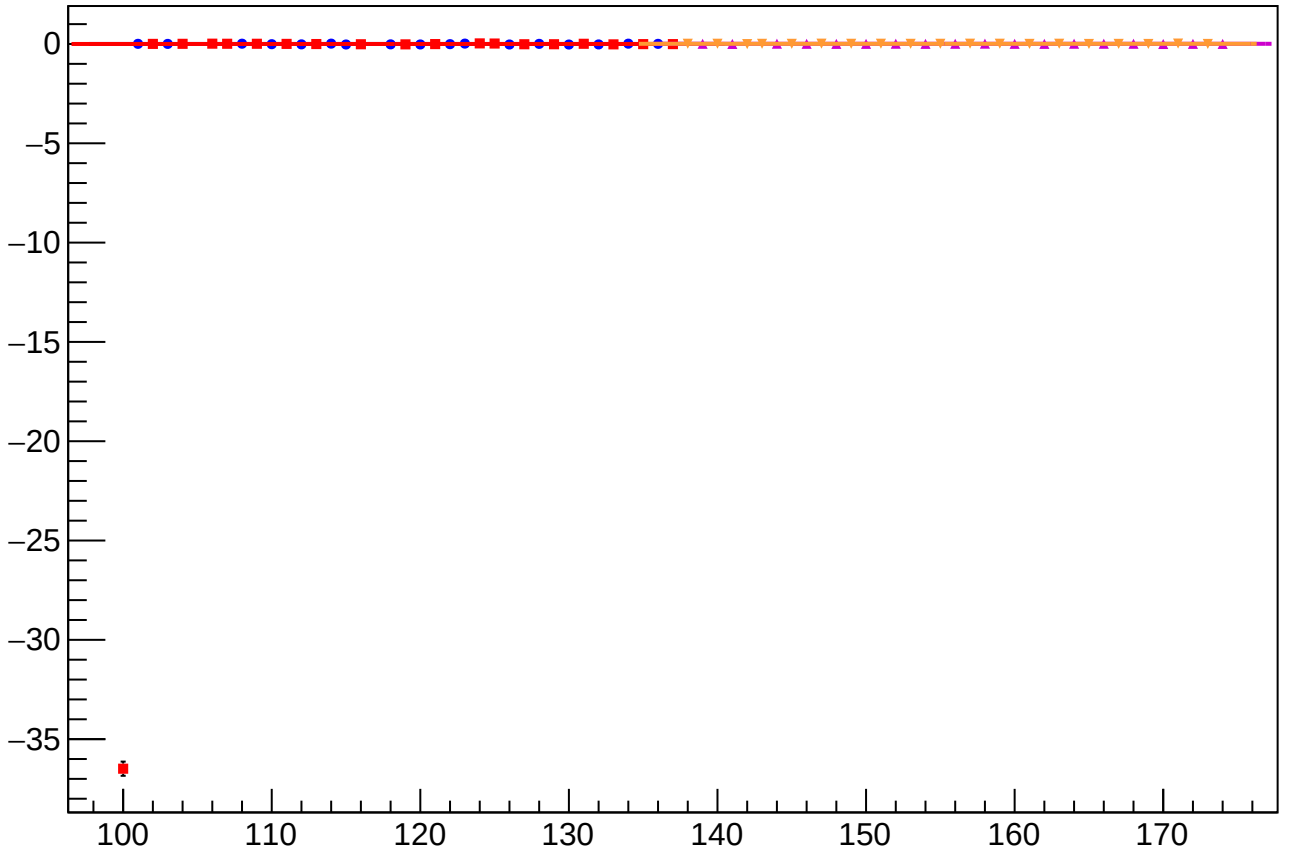
Left: 0.094+/-0.020 χ^2/NDF: 41.2/36

Right: 0.082+/-0.031 χ^2/NDF: 41.9/35

In: 0.101+/-0.024 χ^2/NDF:43.3/34

Out: 0.079+/-0.024 χ^2/NDF:39.5/37

All: 0.090+/-0.017 χ^2/NDF: 83.3/72



Right In: 0.001+/-0.002 χ^2/NDF: 30.6/16

Left Out: 0.009+/-0.001 χ^2/NDF:18.7/18

Right Out: 0.001+/-0.002 χ^2/NDF: 10449.1/18

Left In: 0.010+/-0.001 χ^2/NDF:10.8/17

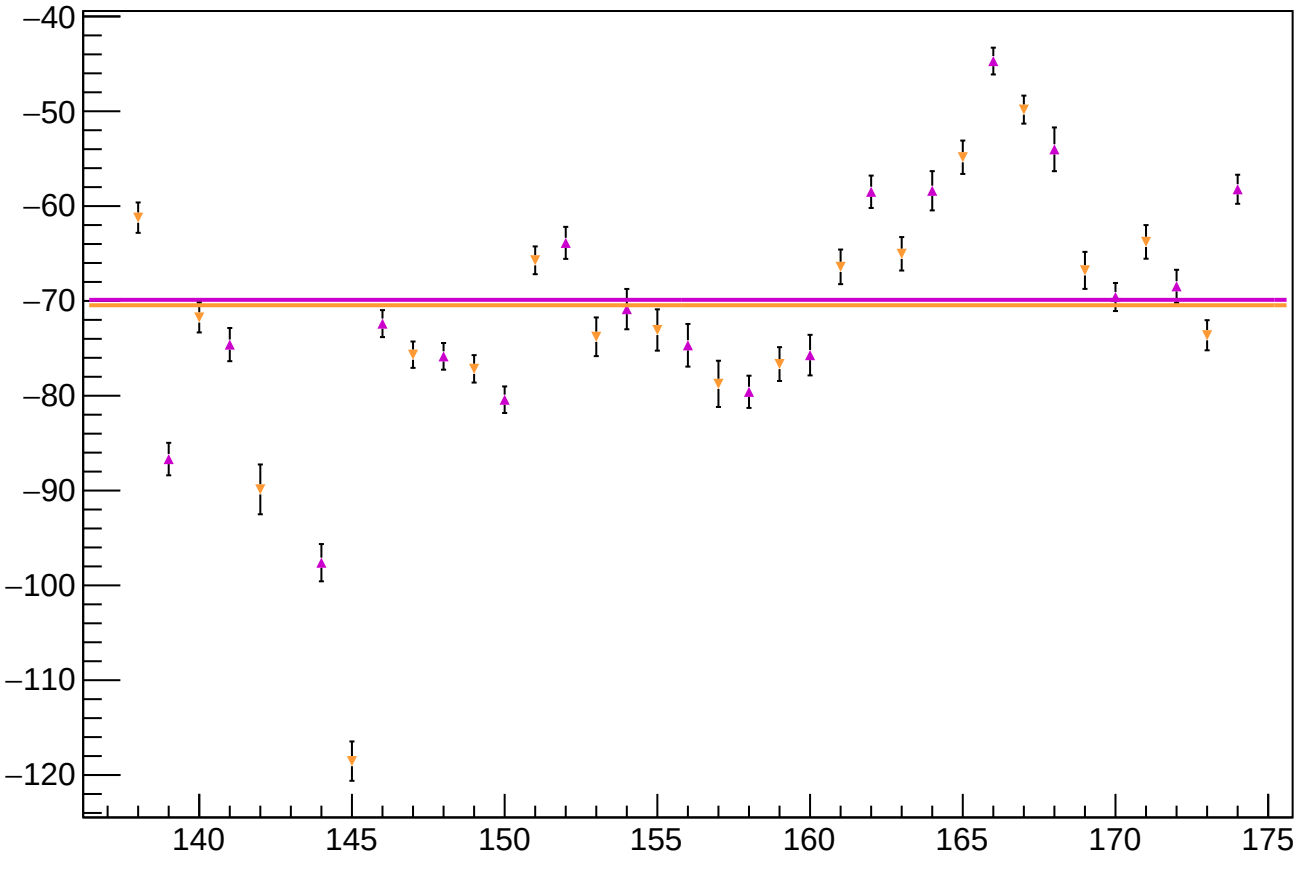
Left: 0.010+/-0.001 χ^2/NDF: 29.6/36

Right: 0.001+/-0.002 χ^2/NDF: 10479.7/35

In: 0.008+/-0.001 χ^2/NDF:52.5/34

Out: 0.007+/-0.001 χ^2/NDF:10478.4/37

All: 0.008+/-0.001 χ^2/NDF: 10531.0/72



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: -69.887+/-0.400 χ^2/NDF:936.5/17

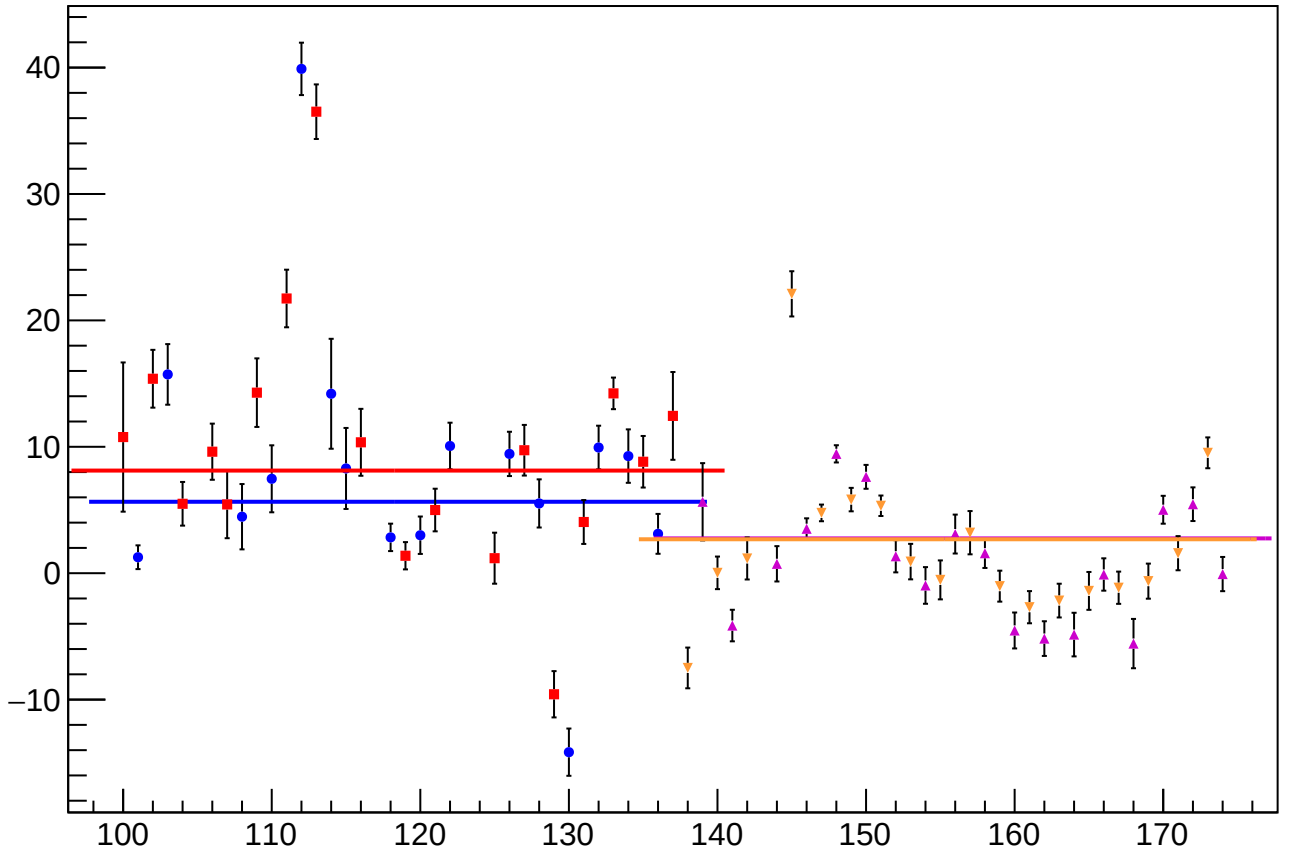
Left: -70.165+/-0.286 χ^2/NDF: 1946.2/35

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -69.887+/-0.400 χ^2/NDF:936.5/17

Out: -70.458+/-0.410 χ^2/NDF:1008.7/17

All: -70.165+/-0.286 χ^2/NDF: 1946.2/35


reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
40
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130
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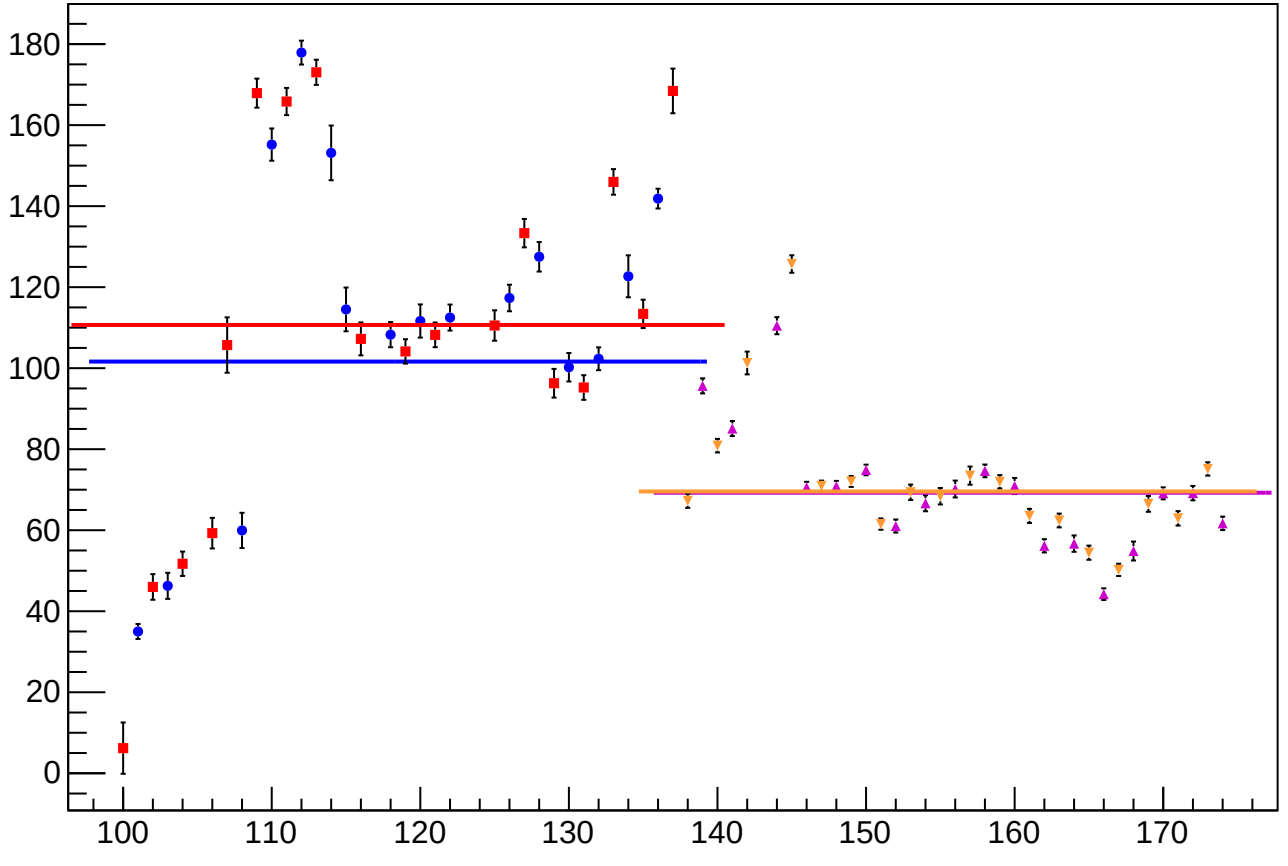
170
Right In: 5.651+/-0.429 χ²/NDF: 461.9/15
Left Out: 2.684+/-0.282 χ²/NDF:295.5/17
Right Out: 8.119+/-0.453 χ²/NDF: 407.9/17
Left In: 2.753+/-0.284 χ²/NDF:280.9/17
Left: 2.718+/-0.200 χ²/NDF: 576.5/35
Right: 6.819+/-0.311 χ²/NDF: 885.4/33
In: 3.635+/-0.237 χ²/NDF:774.6/33
Out: 4.205+/-0.239 χ²/NDF:807.3/35
All: 3.917+/-0.168 χ²/NDF: 1584.7/69



Right In: 101.630+/-0.812 χ^2/NDF: 2980.2/15

Left Out: 69.568+/-0.403 χ^2/NDF:1192.8/17

Right Out: 110.669+/-0.836 χ^2/NDF: 2514.0/17

Left In: 69.253+/-0.394 χ^2/NDF:1184.0/17

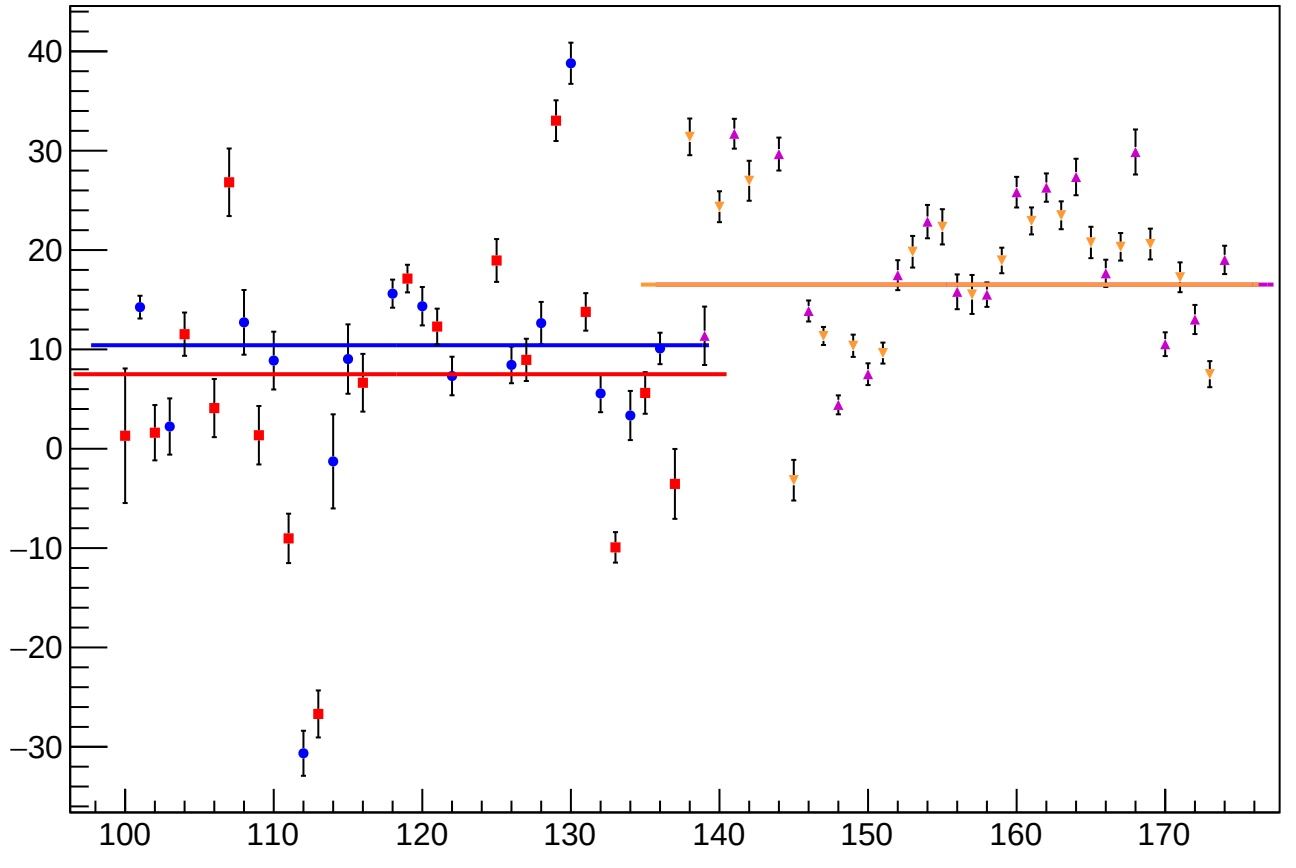
Left: 69.407+/-0.282 χ^2/NDF: 2377.1/35

Right: 106.018+/-0.583 χ^2/NDF: 5554.3/33

In: 75.418+/-0.354 χ^2/NDF:5451.2/33

Out: 77.326+/-0.363 χ^2/NDF:5667.2/35

All: 76.348+/-0.254 χ^2/NDF: 11132.5/69


reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
40
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140
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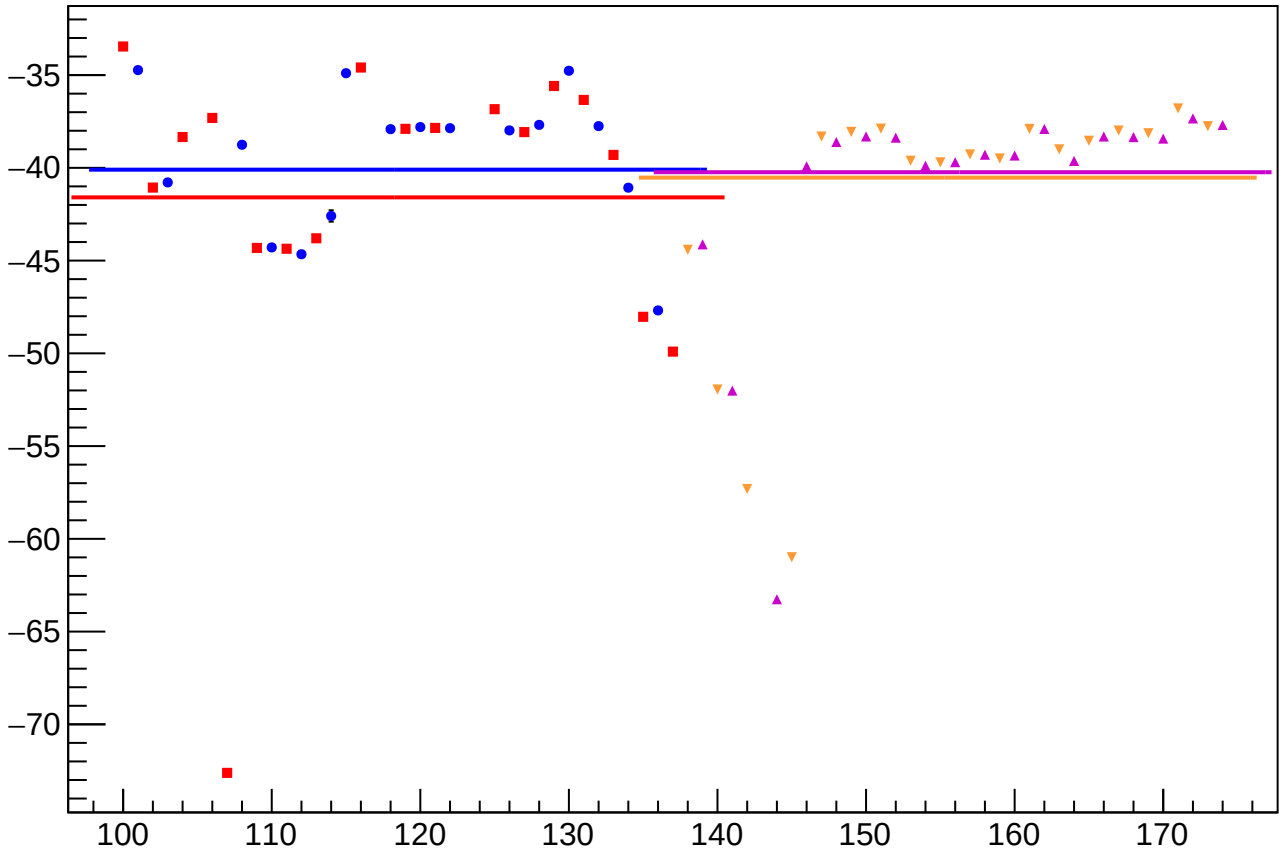
160
170
Right In: 10.420+/-0.497 χ²/NDF: 579.7/15
Left Out: 16.521+/-0.332 χ²/NDF:450.1/17
Right Out: 7.502+/-0.523 χ²/NDF: 689.4/17
Left In: 16.524+/-0.331 χ²/NDF:605.9/17
Left: 16.522+/-0.234 χ²/NDF: 1056.0/35
Right: 9.035+/-0.360 χ²/NDF: 1285.5/33
In: 14.649+/-0.276 χ²/NDF:1290.0/33
Out: 13.935+/-0.280 χ²/NDF:1351.4/35
All: 14.298+/-0.196 χ²/NDF: 2644.8/69



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: -40.236+/-0.015 χ^2/NDF:101472.3/17

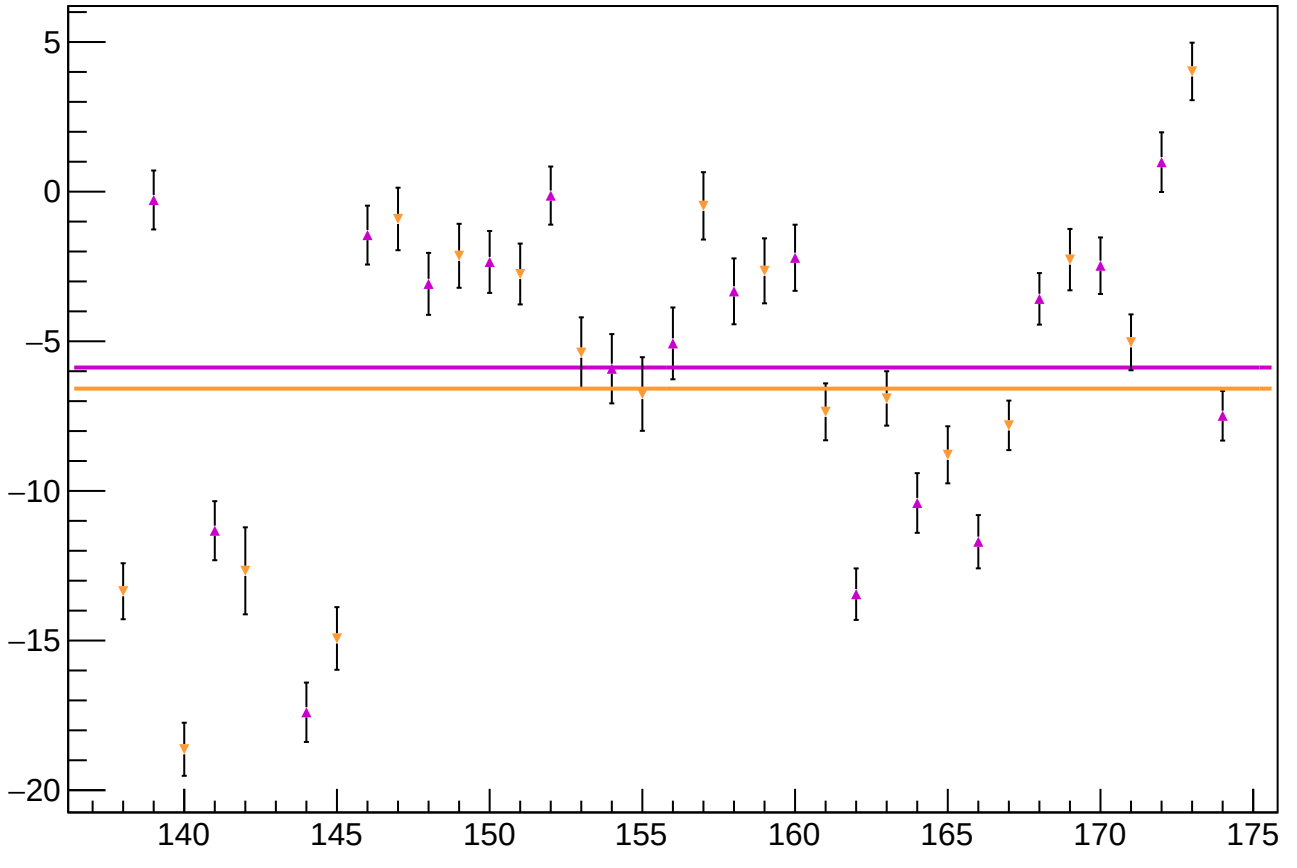
Left: -40.377+/-0.011 χ^2/NDF: 225926.4/35

Right: -40.838+/-0.020 χ^2/NDF: 88129.3/33

In: -40.204+/-0.014 χ^2/NDF:126563.8/33

Out: -40.779+/-0.014 χ^2/NDF:187017.4/35

All: -40.484+/-0.010 χ^2/NDF: 314457.9/69



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

Left Out: -6.582+/-0.238 χ^2/NDF:573.2/17

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

Left In: -5.877+/-0.231 χ^2/NDF:500.8/17

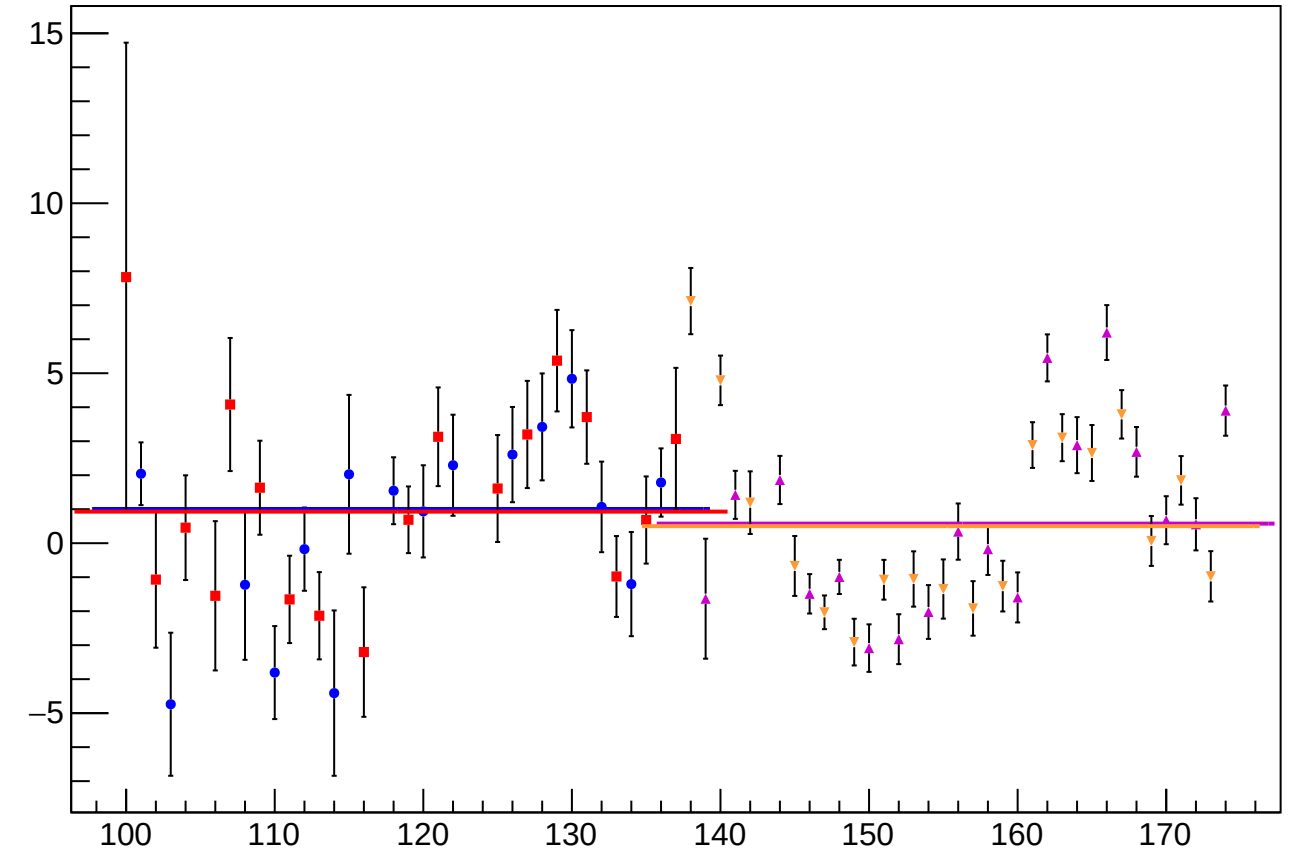
Left: -6.219+/-0.166 χ^2/NDF: 1078.5/35

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -5.877+/-0.231 χ^2/NDF:500.8/17

Out: -6.582+/-0.238 χ^2/NDF:573.2/17

All: -6.219+/-0.166 χ^2/NDF: 1078.5/35


reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
15
10
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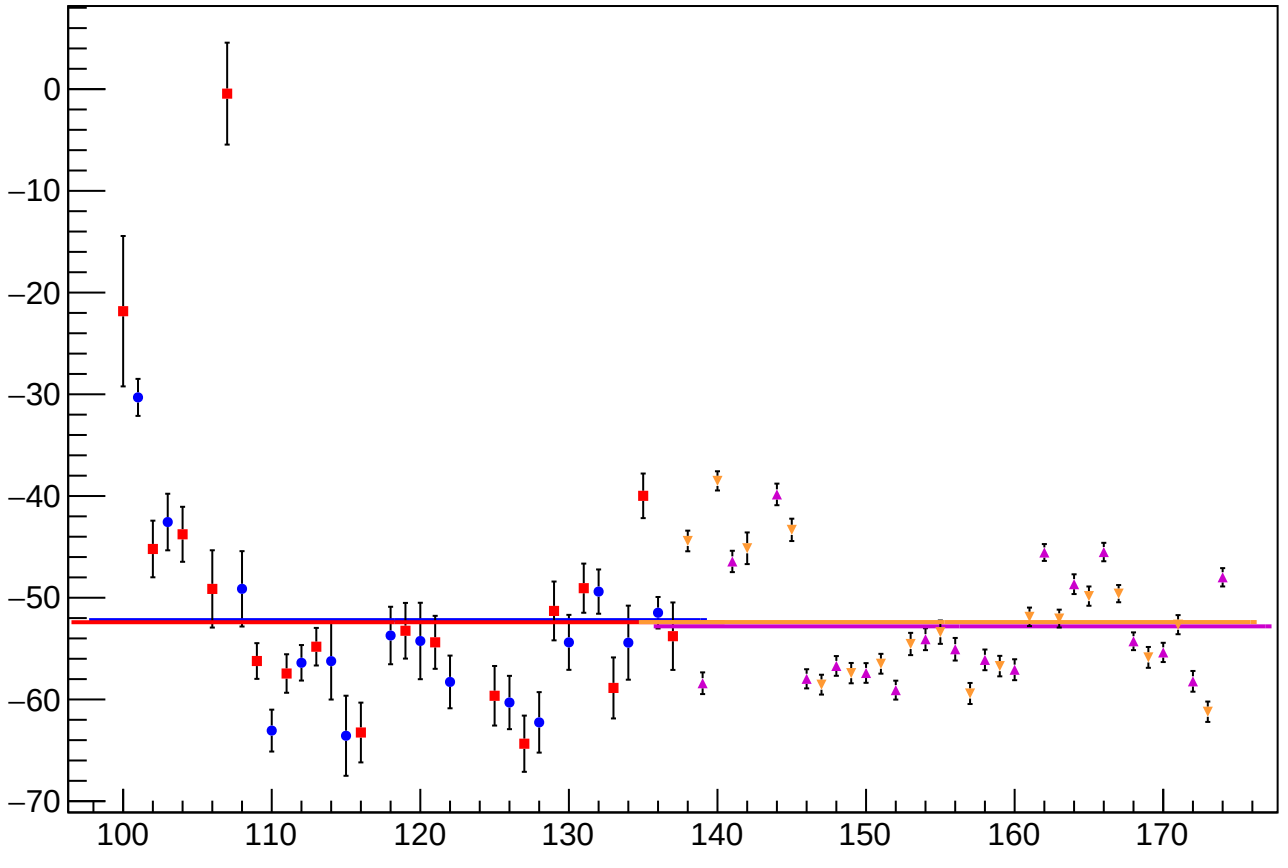
120
130
140
150
160
170
Right In: 1.006+/-0.342 χ²/NDF: 42.7/15
Left Out: 0.501+/-0.171 χ²/NDF:226.8/17
Right Out: 0.929+/-0.353 χ²/NDF: 41.9/17
Left In: 0.576+/-0.171 χ²/NDF:232.8/17
Left: 0.539+/-0.121 χ²/NDF: 459.7/35
Right: 0.969+/-0.246 χ²/NDF: 84.6/33
In: 0.662+/-0.153 χ²/NDF:276.8/33
Out: 0.582+/-0.154 χ²/NDF:269.9/35
All: 0.623+/-0.108 χ²/NDF: 546.8/69


reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−10
−20
−30
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−50
−60
−70
100
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140
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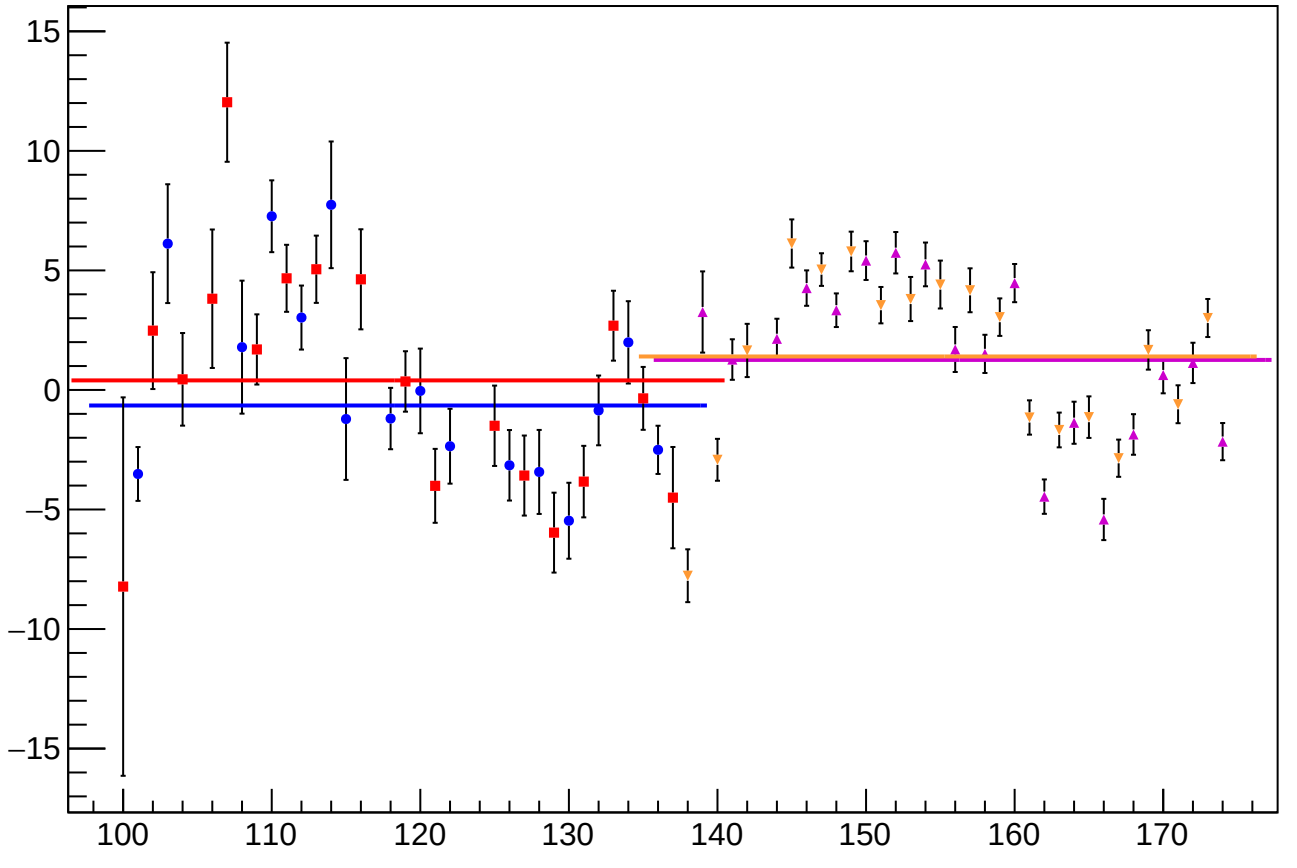
160
170
Right In: -52.200+/-0.615 χ²/NDF: 230.6/15
Left Out: -52.389+/-0.235 χ²/NDF:627.0/17
Right Out: -52.407+/-0.616 χ²/NDF: 233.9/17
Left In: -52.812+/-0.229 χ²/NDF:588.2/17
Left: -52.606+/-0.164 χ²/NDF: 1216.8/35
Right: -52.303+/-0.435 χ²/NDF: 464.6/33
In: -52.737+/-0.215 χ²/NDF:819.7/33
Out: -52.391+/-0.220 χ²/NDF:860.9/35
All: -52.569+/-0.154 χ²/NDF: 1681.8/69


reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
15
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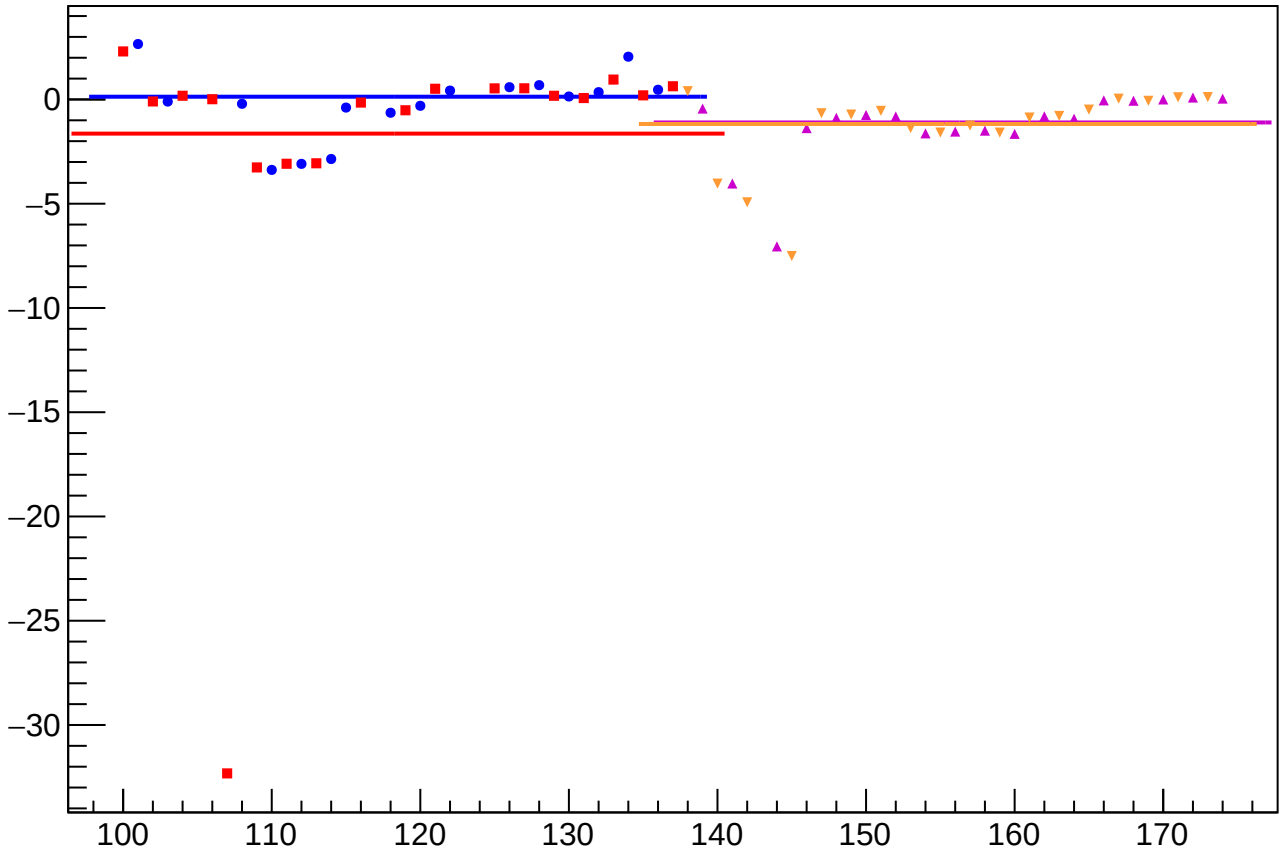
110
120
130
140
150
160
170
Right In: -0.651+/-0.387 χ²/NDF: 81.9/15
Left Out: 1.400+/-0.197 χ²/NDF:288.4/17
Right Out: 0.400+/-0.399 χ²/NDF: 95.9/17
Left In: 1.256+/-0.196 χ²/NDF:281.8/17
Left: 1.327+/-0.139 χ²/NDF: 570.4/35
Right: -0.142+/-0.278 χ²/NDF: 181.4/33
In: 0.867+/-0.175 χ²/NDF:383.0/33
Out: 1.204+/-0.177 χ²/NDF:389.3/35
All: 1.033+/-0.124 χ²/NDF: 774.1/69



Right In: 0.132+/-0.022 χ^2/NDF: 5247.5/15

Left Out: -1.176+/-0.009 χ^2/NDF:37644.4/17

Right Out: -1.638+/-0.022 χ^2/NDF: 77848.3/17

Left In: -1.103+/-0.009 χ^2/NDF:27550.4/17

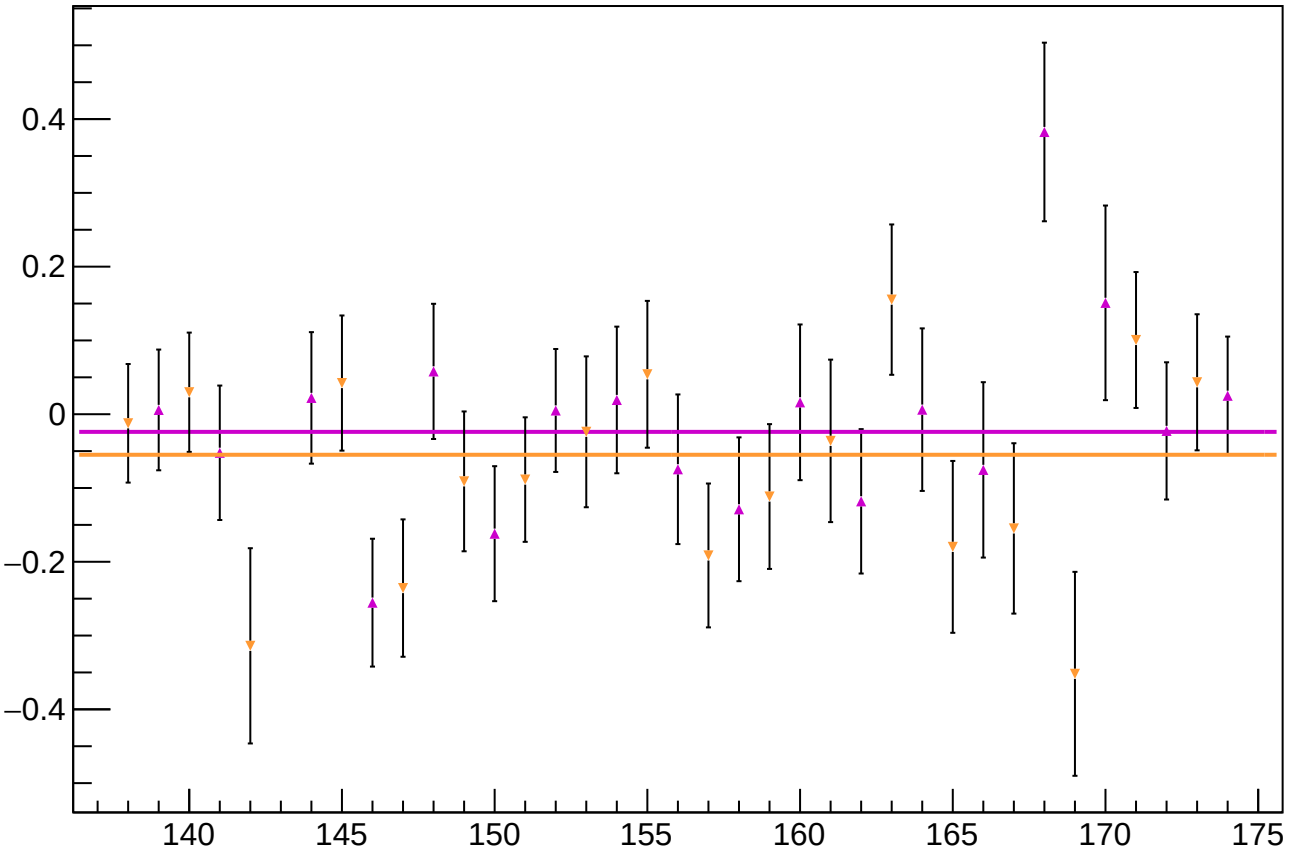
Left: -1.139+/-0.006 χ^2/NDF: 65227.6/35

Right: -0.742+/-0.015 χ^2/NDF: 86422.1/33

In: -0.924+/-0.008 χ^2/NDF:35603.6/33

Out: -1.245+/-0.008 χ^2/NDF:115873.3/35

All: -1.081+/-0.006 χ^2/NDF: 152221.3/69



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: -0.024+/-0.023 χ^2/NDF:27.2/17

Left: -0.039+/-0.016 χ^2/NDF: 56.9/35

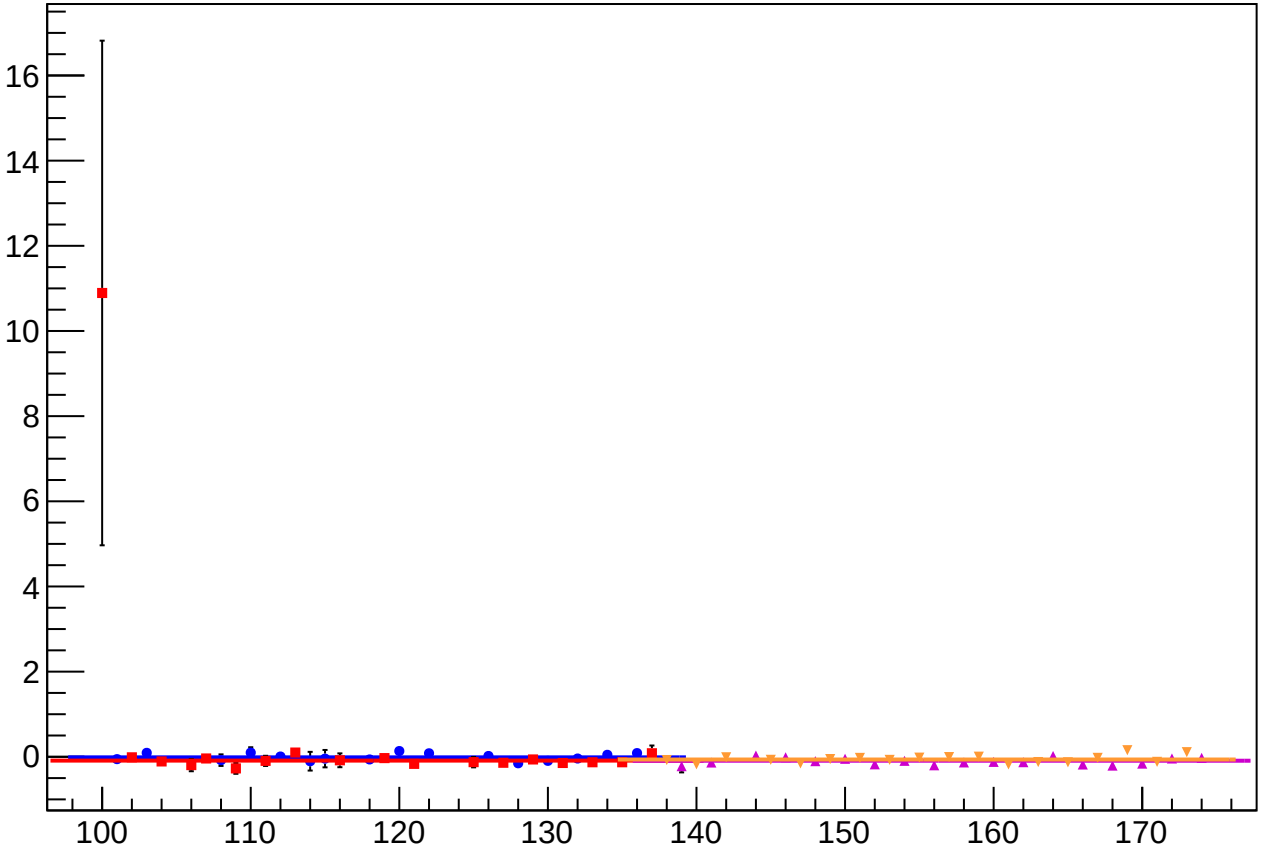
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -0.024+/-0.023 χ^2/NDF:27.2/17

Out: -0.055+/-0.023 χ^2/NDF:28.8/17

All: -0.039+/-0.016 χ^2/NDF: 56.9/35

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: -0.092+/-0.016 χ^2/NDF:17.9/17

Left: -0.078+/-0.012 χ^2/NDF: 44.4/35

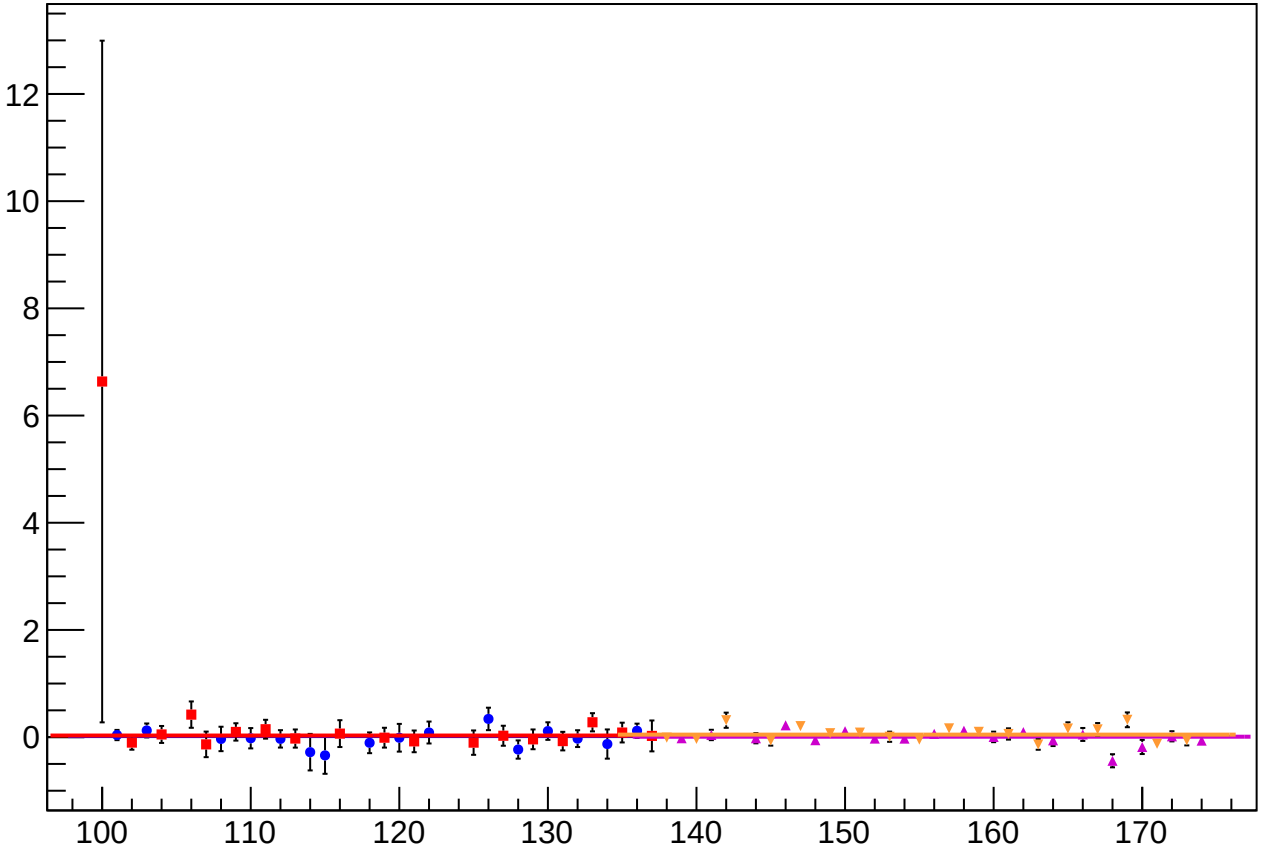
Right: -0.049+/-0.017 χ^2/NDF: 29.6/33

In: -0.066+/-0.013 χ^2/NDF:37.2/33

Out: -0.072+/-0.014 χ^2/NDF:38.6/35

All: -0.069+/-0.010 χ^2/NDF: 75.9/69

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: 0.008+/-0.022 χ^2/NDF:28.7/17

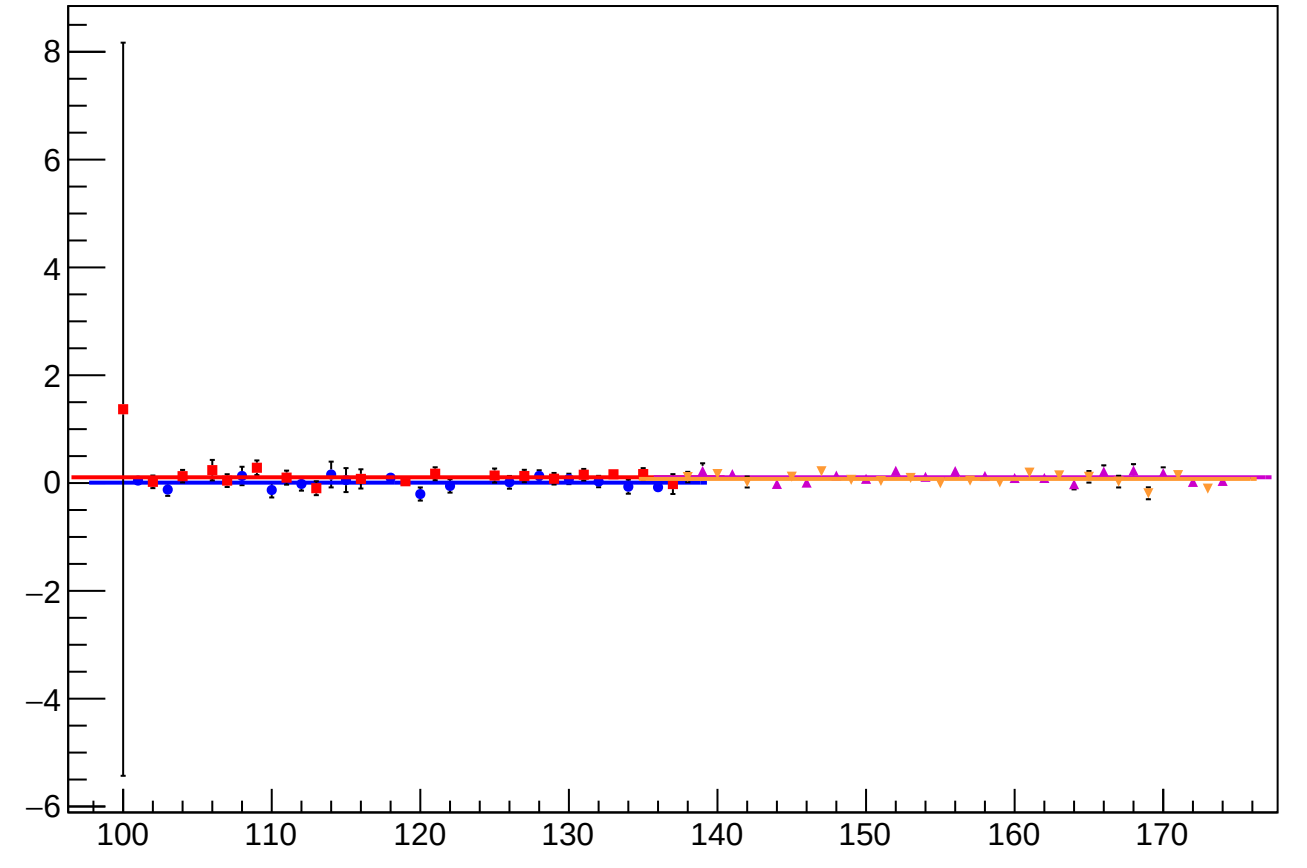
Left: 0.027+/-0.016 χ^2/NDF: 56.9/35

Right: 0.025+/-0.031 χ^2/NDF: 18.3/33

In: 0.010+/-0.020 χ^2/NDF:37.8/33

Out: 0.043+/-0.020 χ^2/NDF:36.1/35

All: 0.026+/-0.014 χ^2/NDF: 75.2/69



Right In: 0.007+/-0.027 χ^2/NDF: 11.3/15

Left Out: 0.077+/-0.019 χ^2/NDF:24.8/17

Right Out: 0.107+/-0.029 χ^2/NDF: 8.2/17

Left In: 0.107+/-0.019 χ^2/NDF:17.7/17

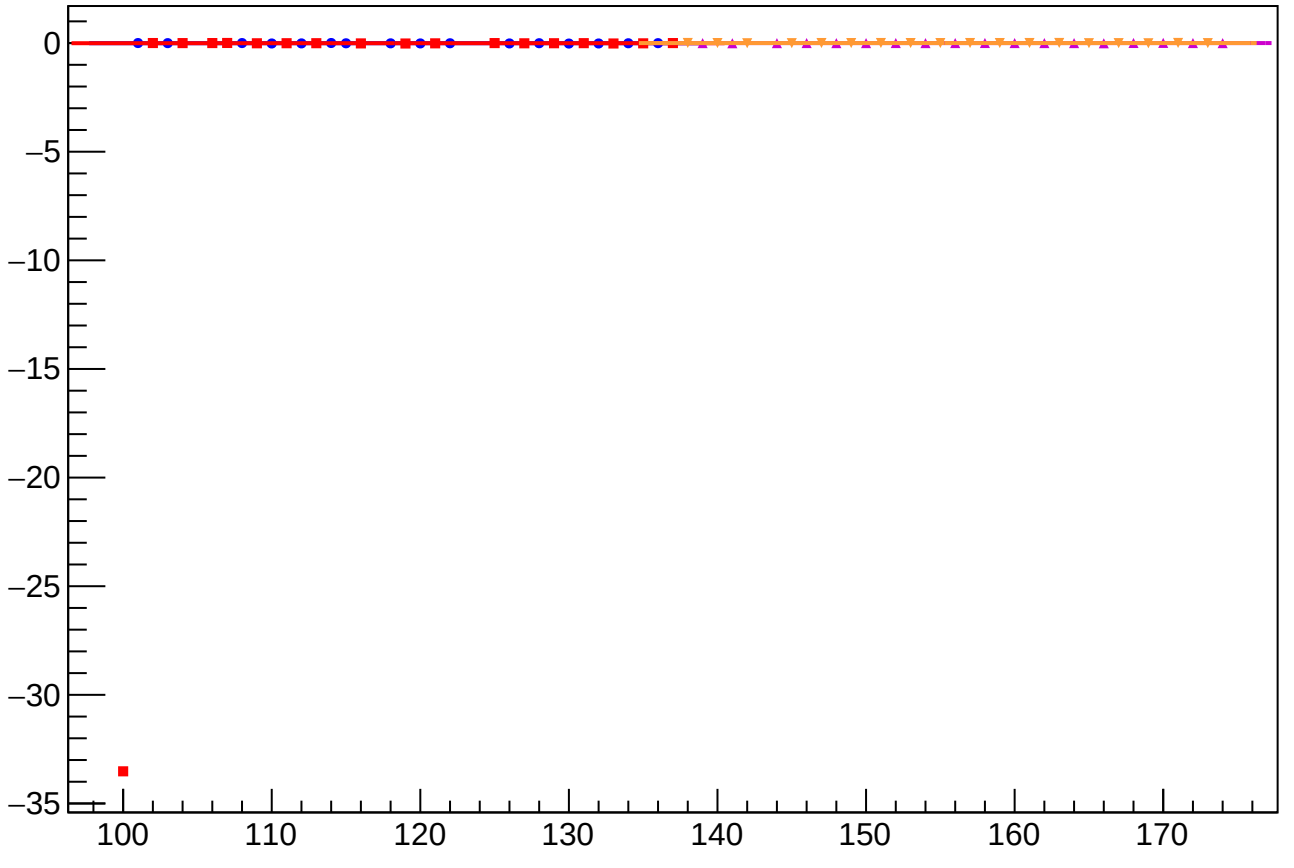
Left: 0.092+/-0.013 χ^2/NDF: 43.7/35

Right: 0.054+/-0.020 χ^2/NDF: 25.8/33

In: 0.074+/-0.016 χ^2/NDF:38.0/33

Out: 0.086+/-0.016 χ^2/NDF:33.7/35

All: 0.080+/-0.011 χ^2/NDF: 72.0/69



Right In: -0.005+/-0.001 χ^2/NDF: 21.8/15

Left Out: 0.001+/-0.001 χ^2/NDF:18.4/17

Right Out: -0.006+/-0.001 χ^2/NDF: 26508.7/17

Left In: 0.000+/-0.001 χ^2/NDF:15.5/17

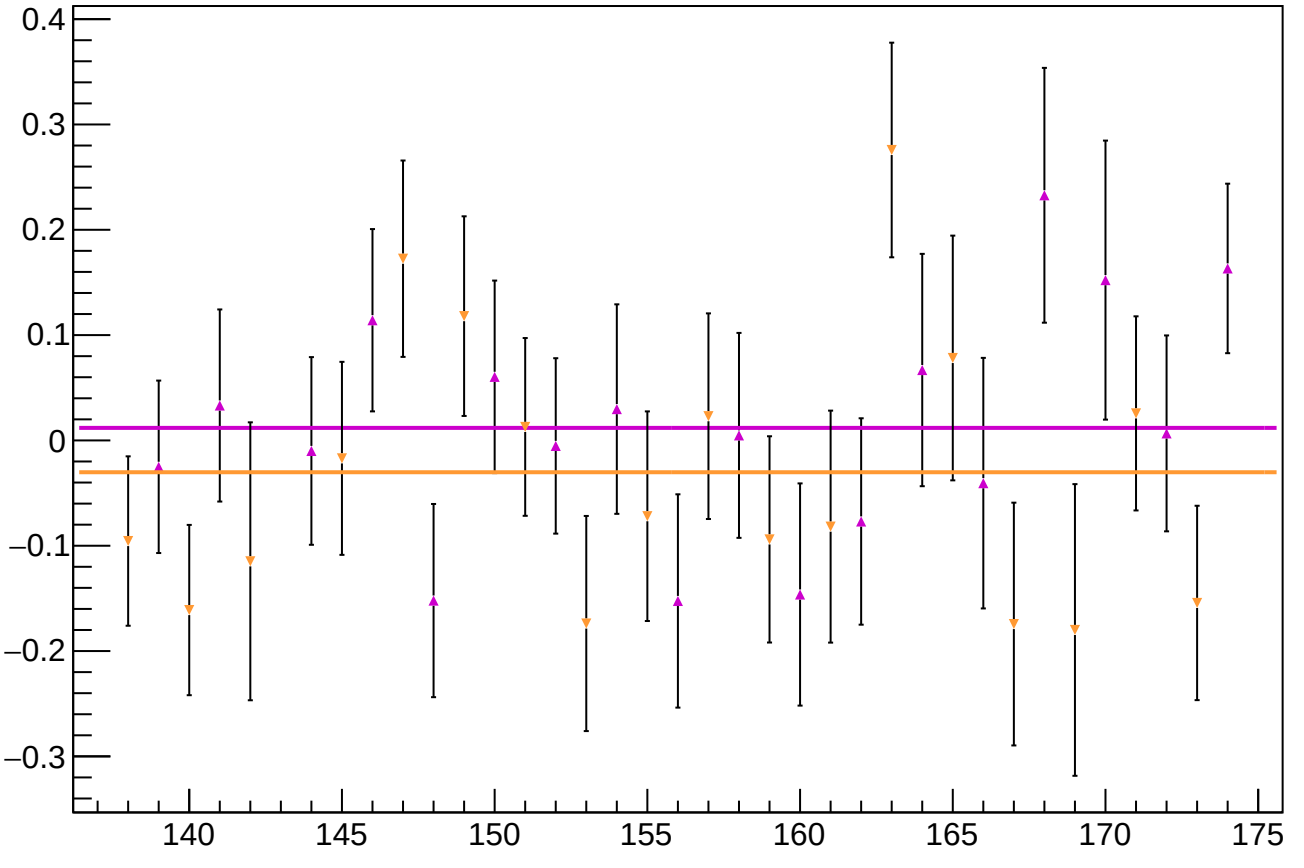
Left: 0.001+/-0.001 χ^2/NDF: 34.1/35

Right: -0.006+/-0.001 χ^2/NDF: 26530.6/33

In: -0.001+/-0.001 χ^2/NDF:48.5/33

Out: -0.001+/-0.001 χ^2/NDF:26543.0/35

All: -0.001+/-0.001 χ^2/NDF: 26591.6/69



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

Left Out: -0.030+/-0.023 χ^2/NDF:29.0/17

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

Left In: 0.012+/-0.023 χ^2/NDF:19.4/17

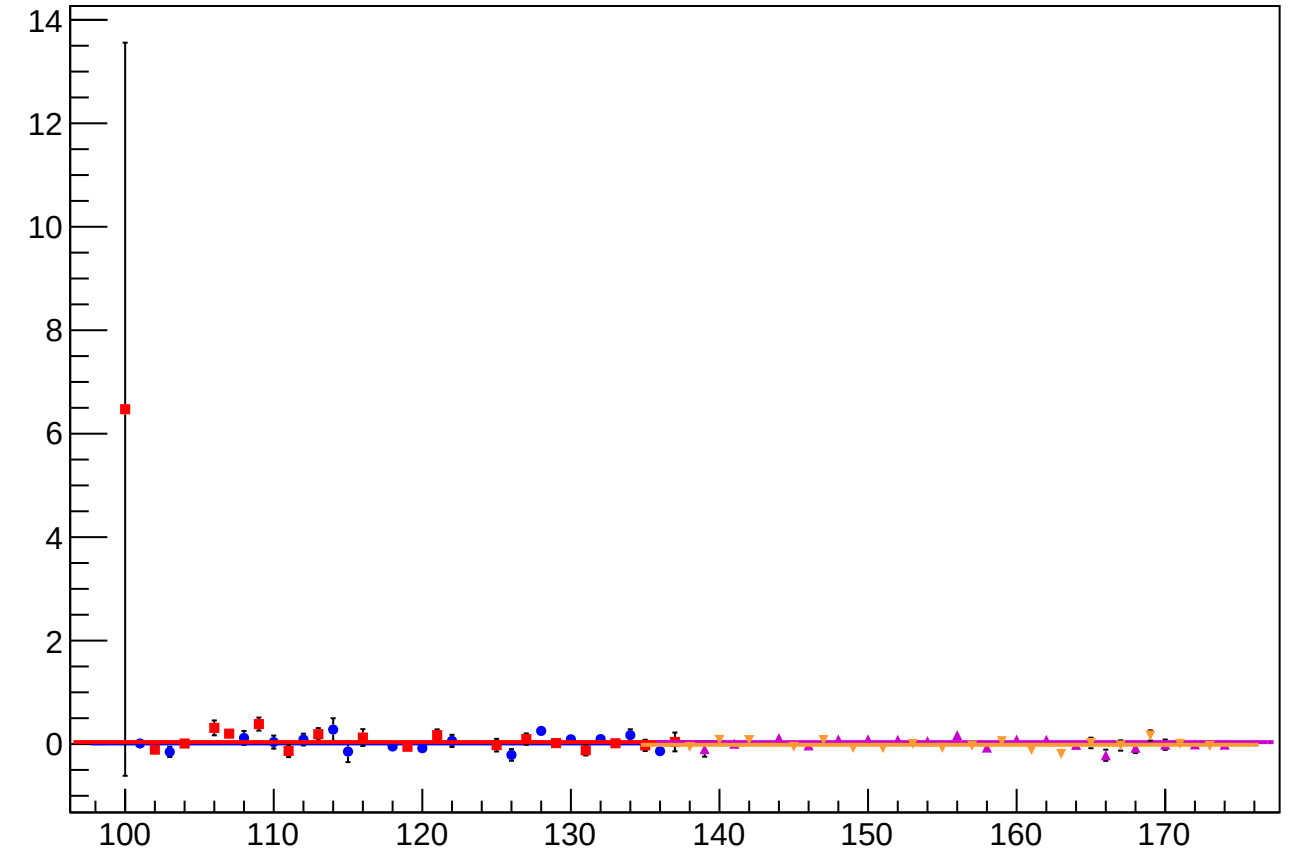
Left: -0.009+/-0.016 χ^2/NDF: 50.2/35

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.012+/-0.023 χ^2/NDF:19.4/17

Out: -0.030+/-0.023 χ^2/NDF:29.0/17

All: -0.009+/-0.016 χ^2/NDF: 50.2/35



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: 0.037+/-0.016 χ^2/NDF:21.9/17

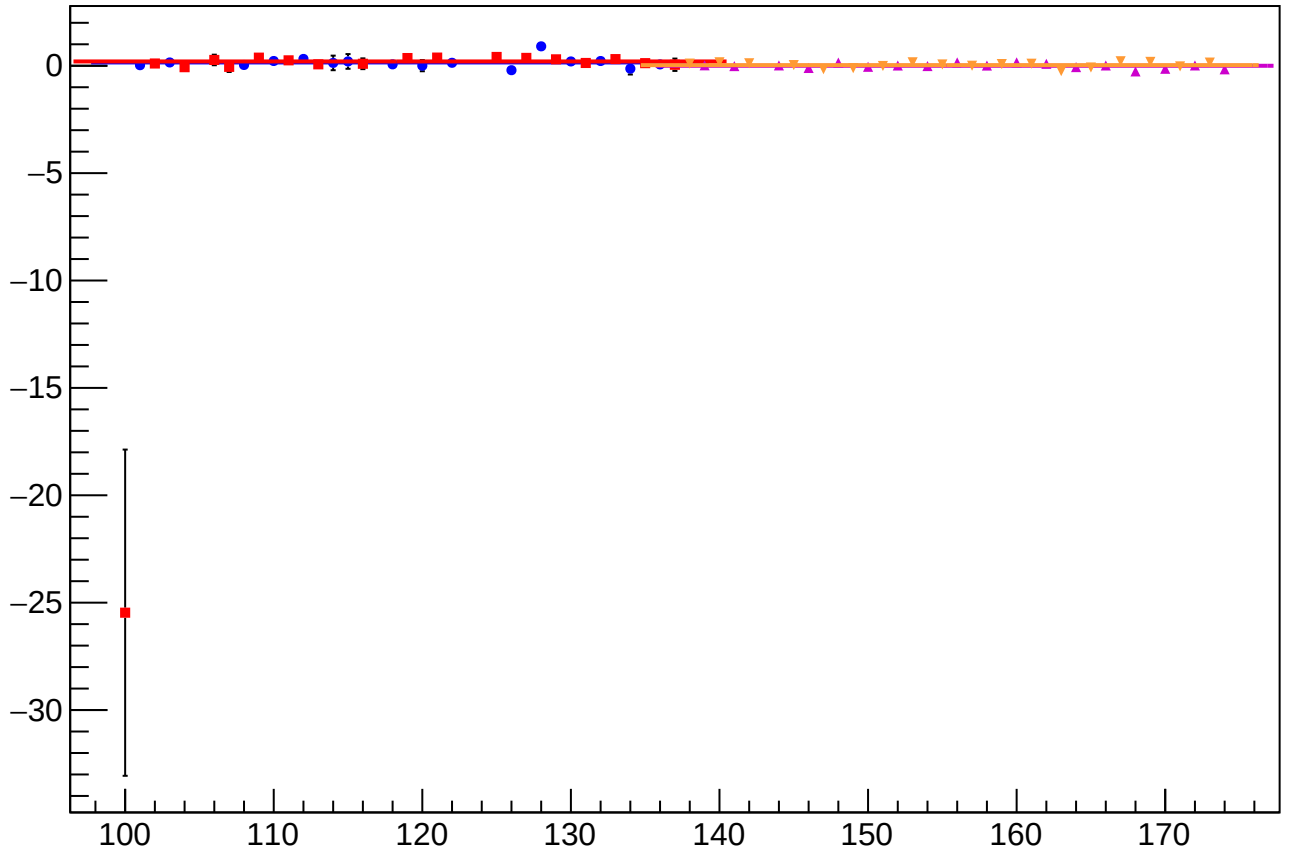
Left: 0.011+/-0.012 χ^2/NDF: 50.0/35

Right: 0.025+/-0.017 χ^2/NDF: 54.0/33

In: 0.029+/-0.013 χ^2/NDF:47.7/33

Out: 0.002+/-0.014 χ^2/NDF:54.7/35

All: 0.015+/-0.010 χ^2/NDF: 104.4/69



Right In: 0.154+/-0.043 χ^2/NDF: 27.9/15

Left Out: 0.029+/-0.023 χ^2/NDF:28.2/17

Right Out: 0.201+/-0.045 χ^2/NDF: 22.6/17

Left In: -0.001+/-0.022 χ^2/NDF:21.0/17

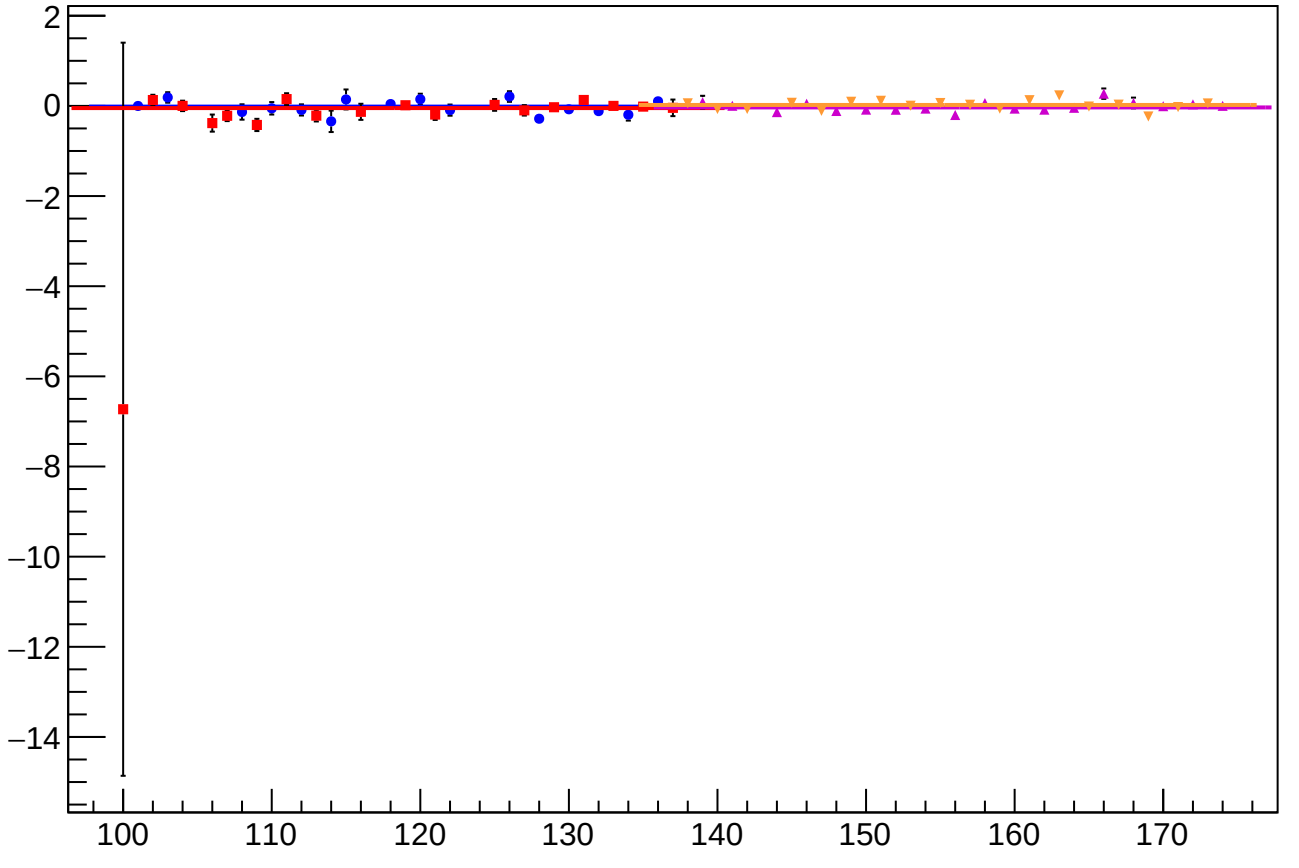
Left: 0.014+/-0.016 χ^2/NDF: 50.1/35

Right: 0.177+/-0.031 χ^2/NDF: 51.1/33

In: 0.032+/-0.020 χ^2/NDF:59.2/33

Out: 0.064+/-0.020 χ^2/NDF:62.5/35

All: 0.048+/-0.014 χ^2/NDF: 122.9/69



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: -0.034+/-0.019 χ^2/NDF:22.5/17

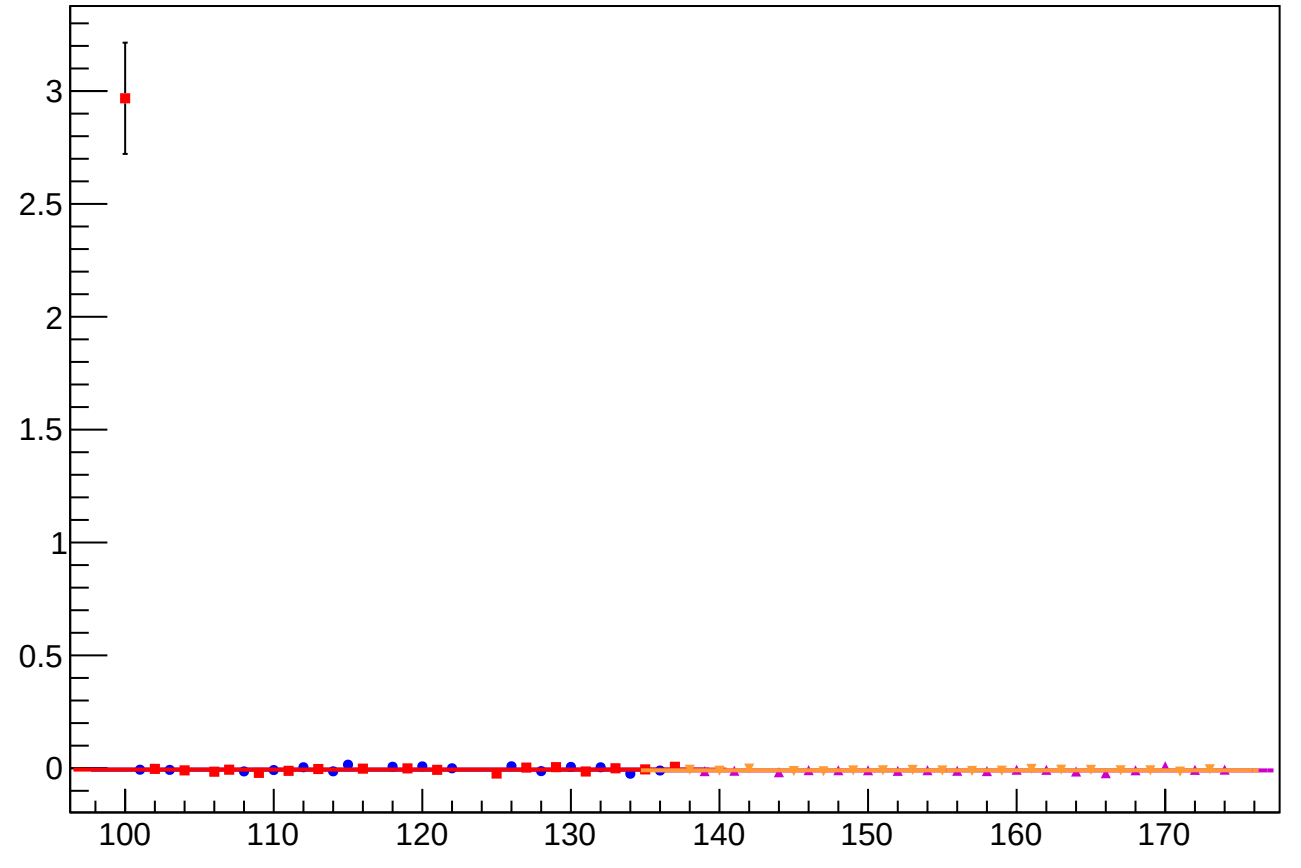
Left: -0.007+/-0.013 χ^2/NDF: 52.8/35

Right: -0.031+/-0.020 χ^2/NDF: 51.0/33

In: -0.028+/-0.016 χ^2/NDF:47.1/33

Out: -0.001+/-0.016 χ^2/NDF:56.2/35

All: -0.015+/-0.011 χ^2/NDF: 104.8/69



Right In: -0.006+/-0.001 χ^2/NDF: 27.3/15

Left Out: -0.009+/-0.001 χ^2/NDF:14.1/17

Right Out: -0.006+/-0.001 χ^2/NDF: 165.9/17

Left In: -0.010+/-0.001 χ^2/NDF:30.6/17

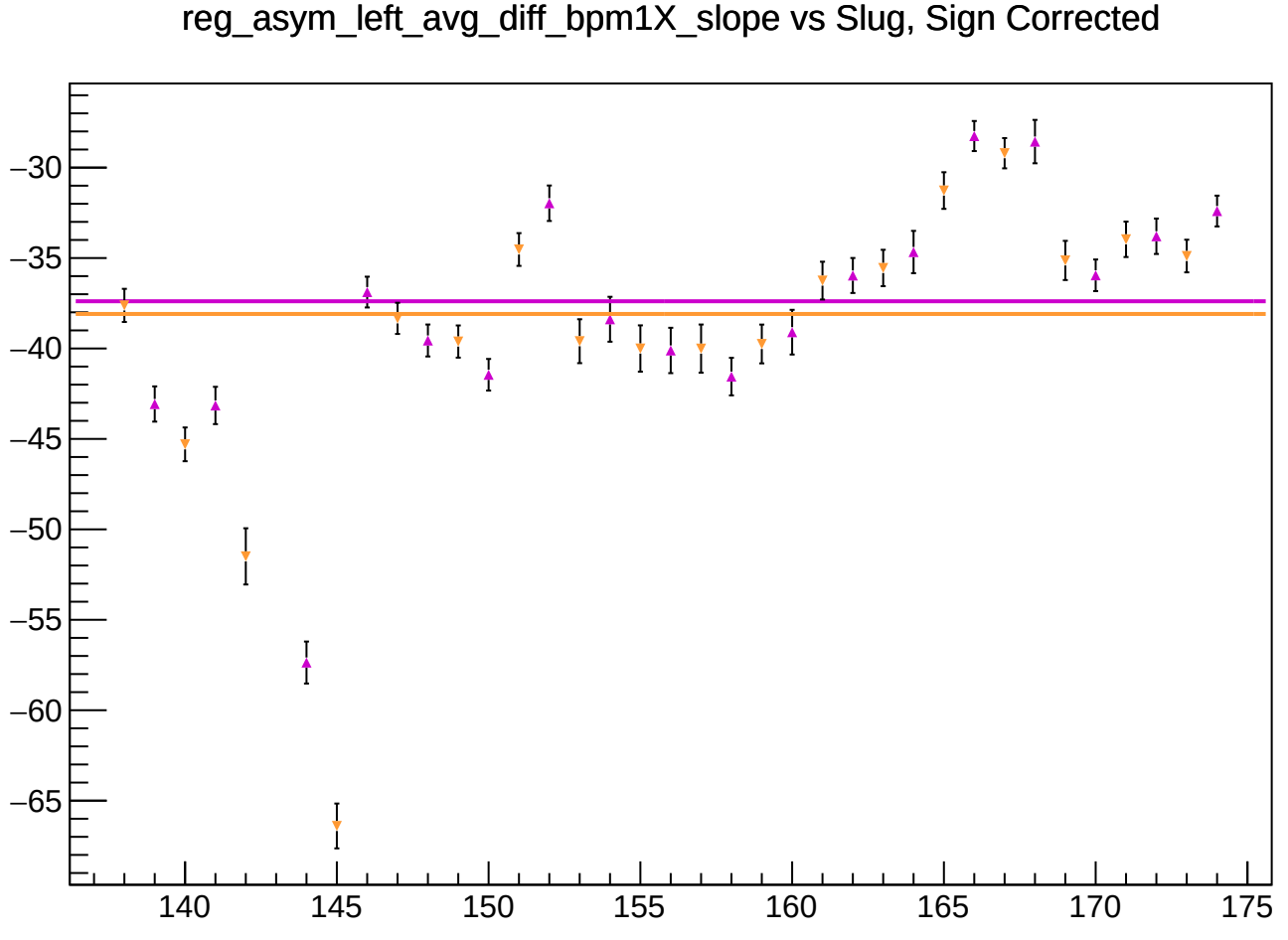
Left: -0.009+/-0.001 χ^2/NDF: 44.8/35

Right: -0.006+/-0.001 χ^2/NDF: 193.3/33

In: -0.009+/-0.001 χ^2/NDF:62.2/33

Out: -0.008+/-0.001 χ^2/NDF:183.7/35

All: -0.009+/-0.001 χ^2/NDF: 246.1/69



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

Left Out: -38.092+/-0.240 χ^2/NDF:888.2/17

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

Left In: -37.389+/-0.234 χ^2/NDF:676.4/17

Left: -37.731+/-0.167 χ^2/NDF: 1569.0/35

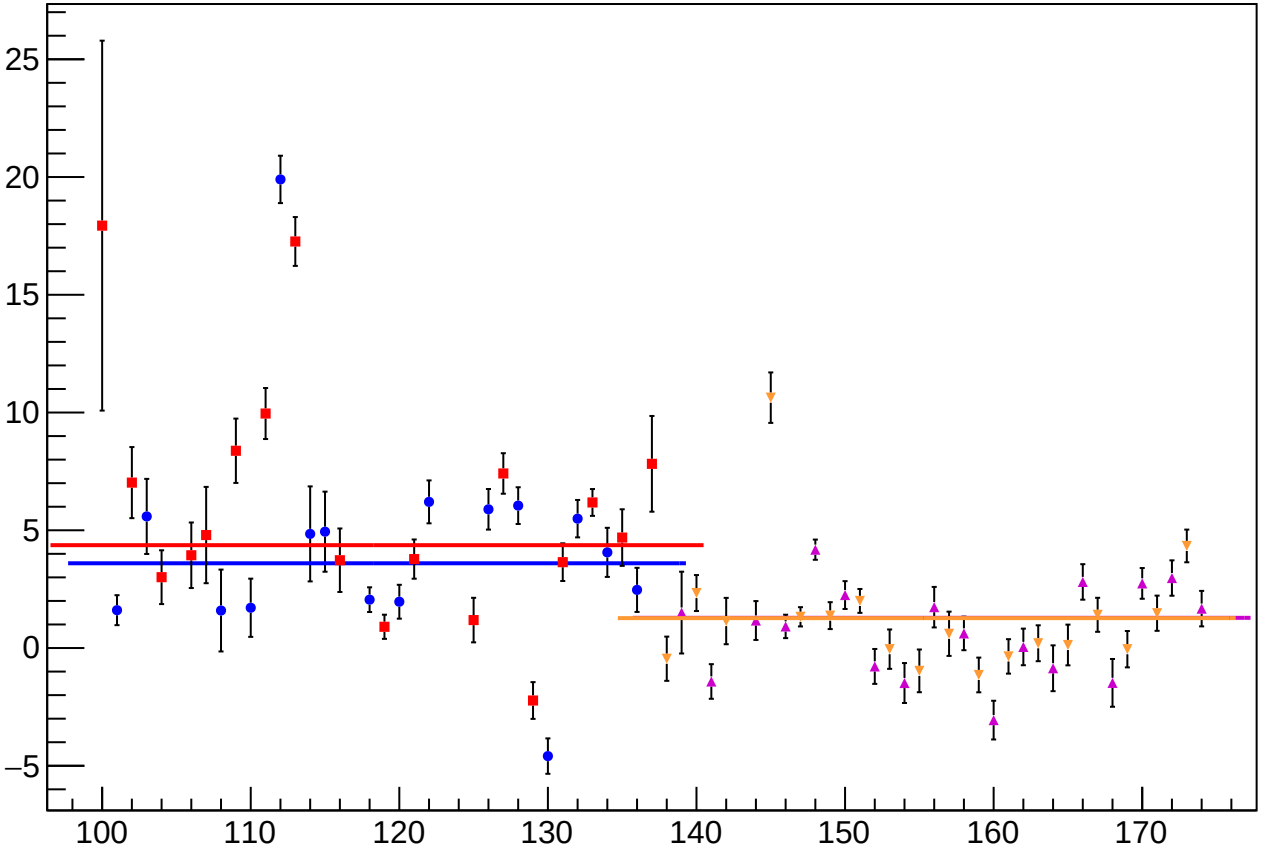
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -37.389+/-0.234 χ^2/NDF:676.4/17

Out: -38.092+/-0.240 χ^2/NDF:888.2/17

All: -37.731+/-0.167 χ^2/NDF: 1569.0/35

reg_asym_left_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599+/-0.220 χ^2/NDF: 443.4/15

Left Out: 1.269+/-0.167 χ^2/NDF:134.8/17

Right Out: 4.367+/-0.225 χ^2/NDF: 353.1/17

Left In: 1.283+/-0.168 χ^2/NDF:139.0/17

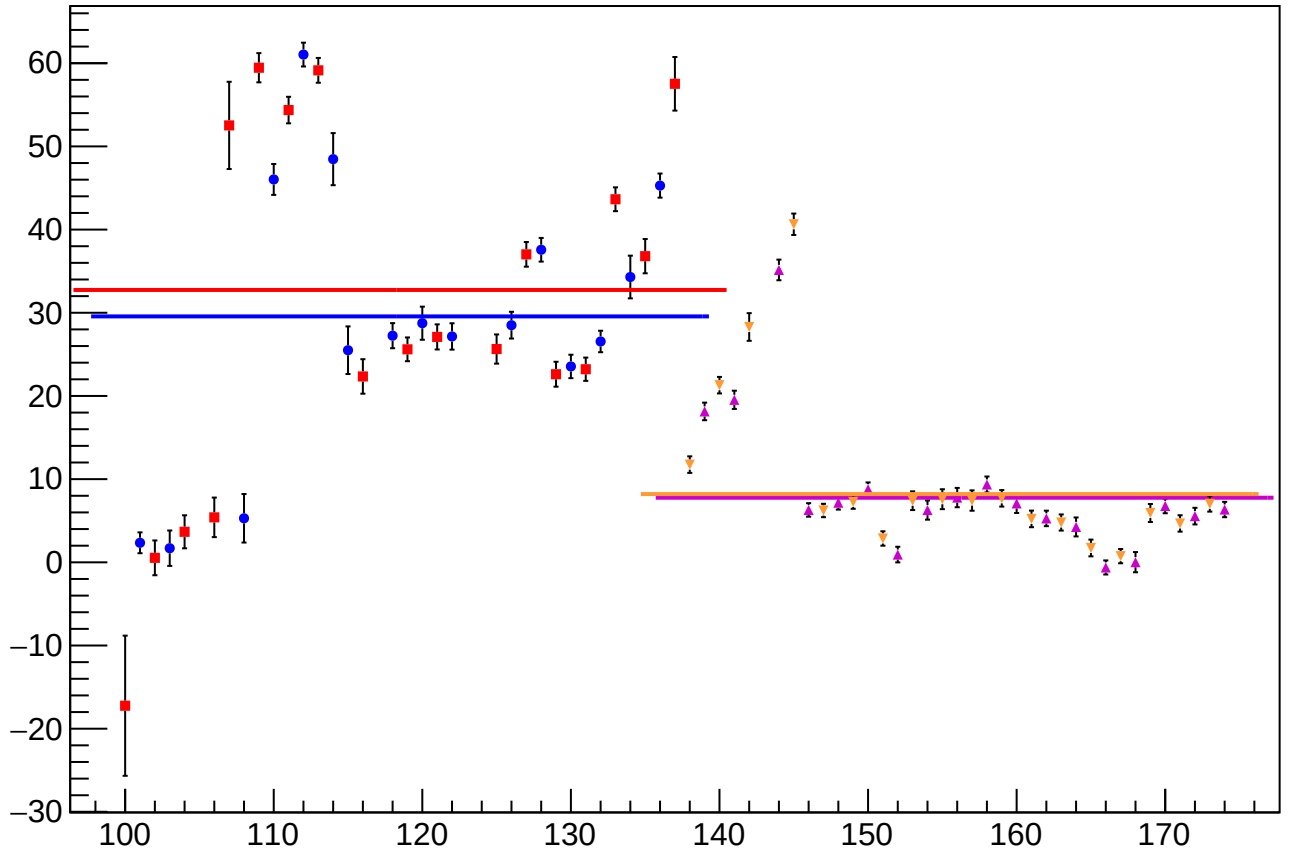
Left: 1.276+/-0.119 χ^2/NDF: 273.8/35

Right: 3.975+/-0.157 χ^2/NDF: 802.5/33

In: 2.135+/-0.134 χ^2/NDF:652.2/33

Out: 2.374+/-0.134 χ^2/NDF:610.1/35

All: 2.254+/-0.095 χ^2/NDF: 1263.9/69



Right In: 29.564+/-0.420 χ^2/NDF: 1494.6/15

Left Out: 8.204+/-0.236 χ^2/NDF:1172.4/17

Right Out: 32.741+/-0.423 χ^2/NDF: 1663.3/17

Left In: 7.767+/-0.231 χ^2/NDF:925.8/17

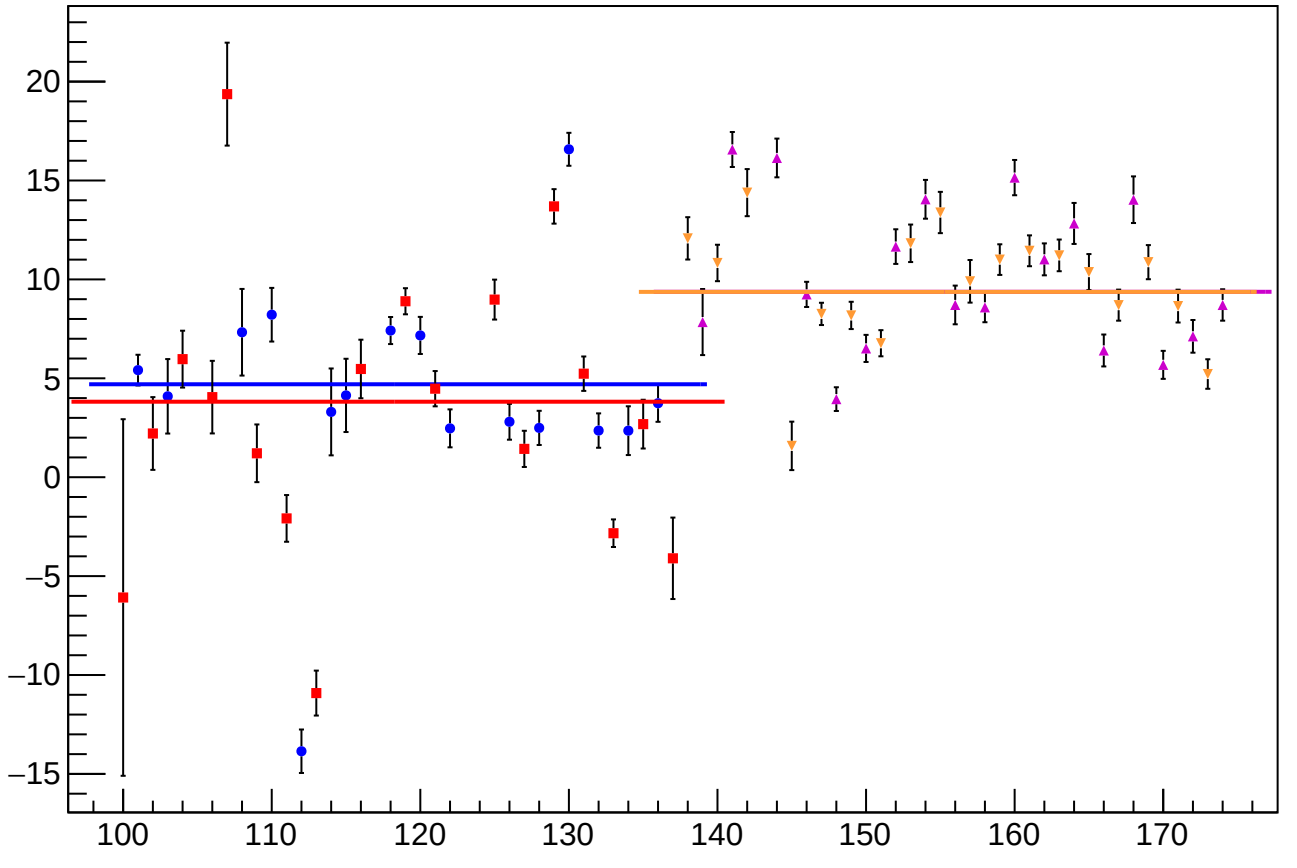
Left: 7.980+/-0.165 χ^2/NDF: 2100.0/35

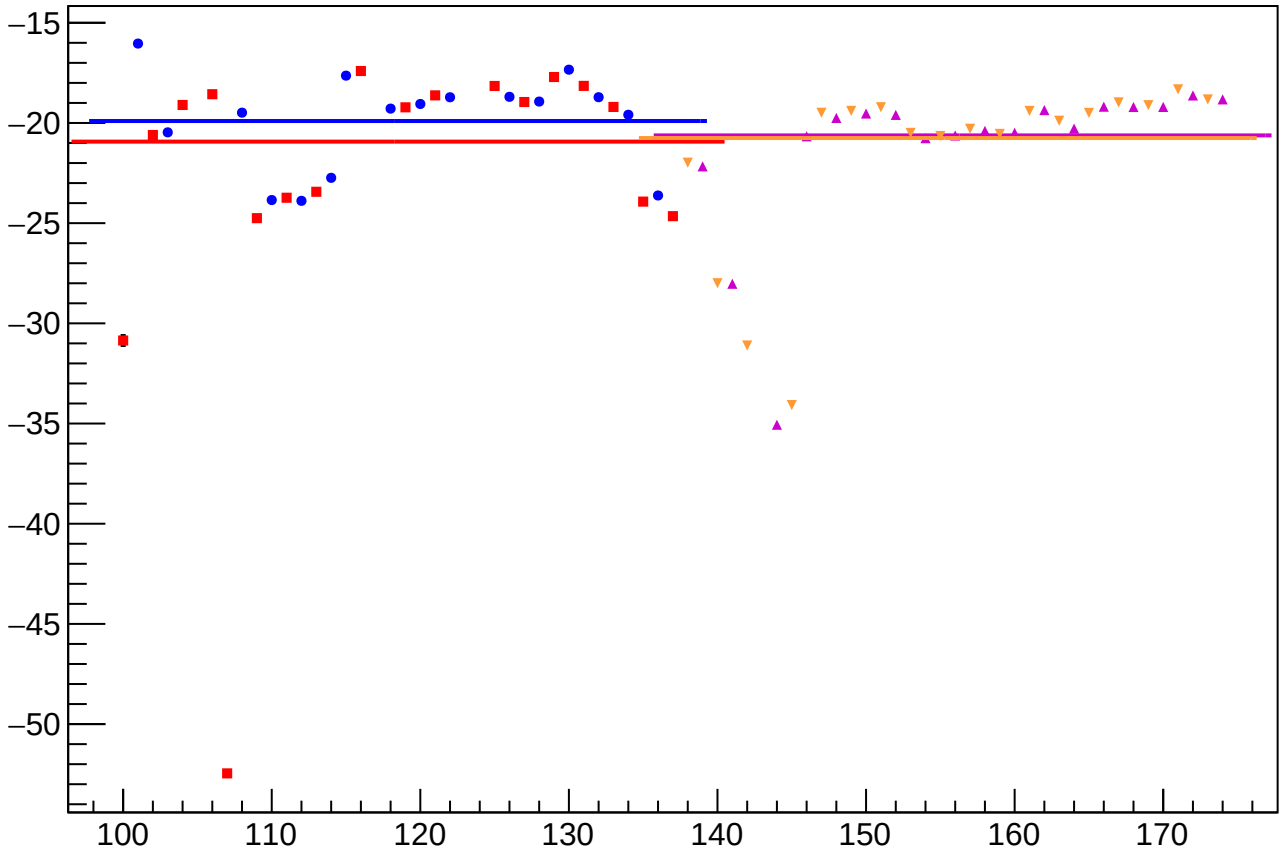
Right: 31.140+/-0.298 χ^2/NDF: 3186.3/33

In: 12.828+/-0.202 χ^2/NDF:4493.0/33

Out: 14.044+/-0.206 χ^2/NDF:5402.7/35

All: 13.424+/-0.144 χ^2/NDF: 9913.4/69


reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: 4.699+/-0.254 χ²/NDF: 548.9/15
Left Out: 9.369+/-0.196 χ²/NDF:164.6/17
Right Out: 3.817+/-0.258 χ²/NDF: 567.6/17
Left In: 9.374+/-0.195 χ²/NDF:366.9/17
Left: 9.371+/-0.138 χ²/NDF: 531.5/35
Right: 4.265+/-0.181 χ²/NDF: 1122.4/33
In: 7.638+/-0.155 χ²/NDF:1128.8/33
Out: 7.347+/-0.156 χ²/NDF:1025.7/35
All: 7.494+/-0.110 χ²/NDF: 2156.2/69



Right In: -19.902+/-0.016 χ^2/NDF: 26054.0/15

Left Out: -20.752+/-0.009 χ^2/NDF:140889.0/17

Right Out: -20.931+/-0.016 χ^2/NDF: 94008.3/17

Left In: -20.620+/-0.009 χ^2/NDF:114054.2/17

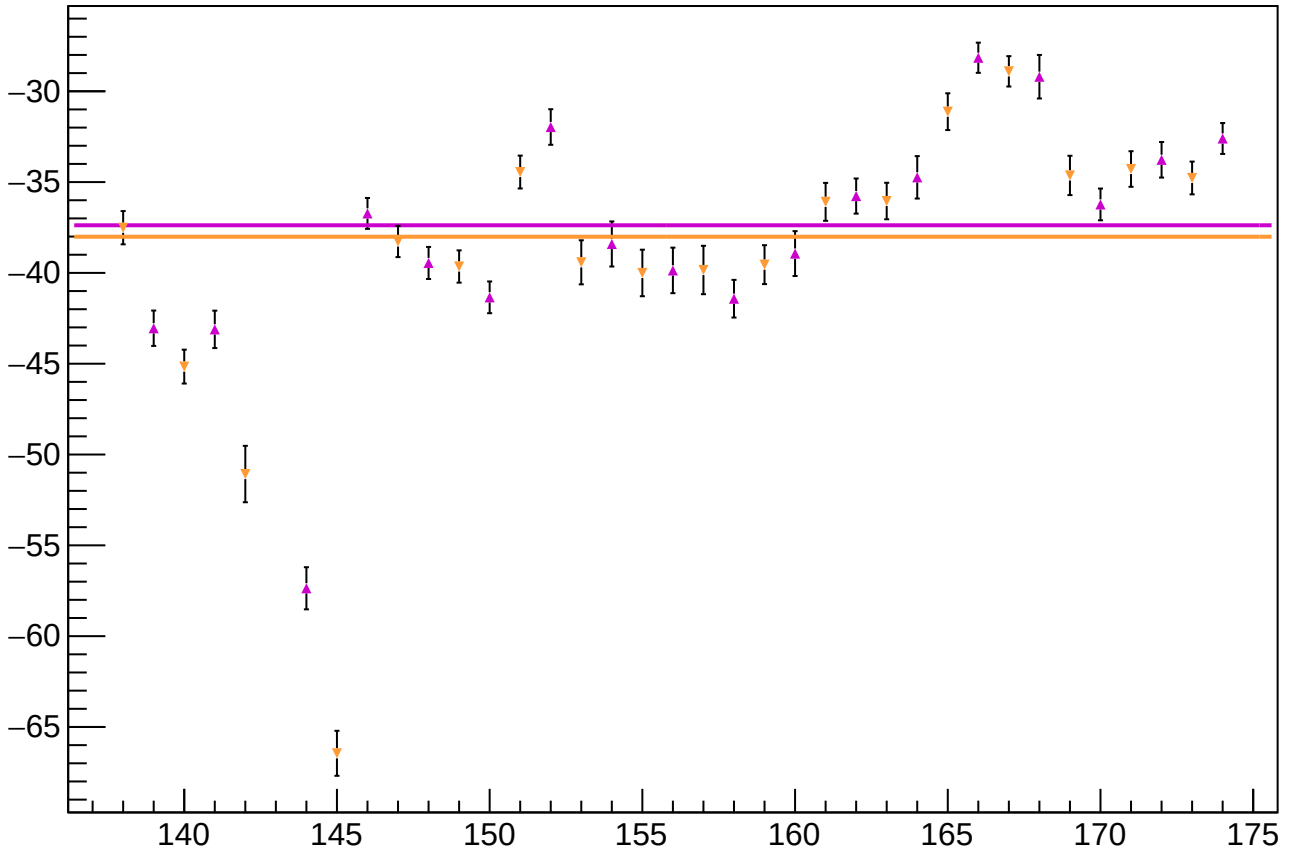
Left: -20.684+/-0.006 χ^2/NDF: 255048.9/35

Right: -20.414+/-0.011 χ^2/NDF: 122212.6/33

In: -20.441+/-0.008 χ^2/NDF:141686.2/33

Out: -20.798+/-0.008 χ^2/NDF:234992.9/35

All: -20.616+/-0.006 χ^2/NDF: 377703.8/69



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: -37.378+/-0.234 χ^2/NDF:665.1/17

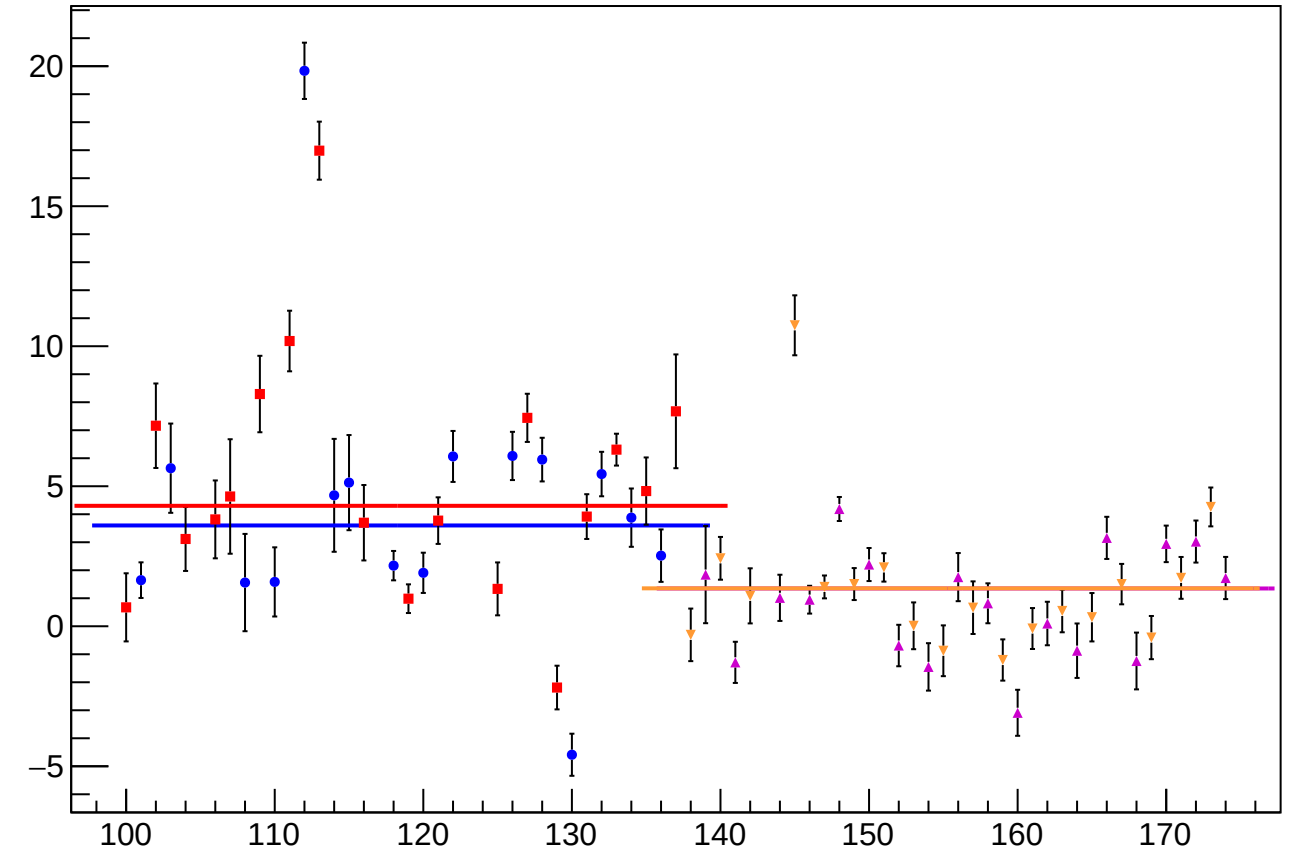
Left: -37.686+/-0.167 χ^2/NDF: 1561.6/35

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -37.378+/-0.234 χ^2/NDF:665.1/17

Out: -38.009+/-0.240 χ^2/NDF:892.9/17

All: -37.686+/-0.167 χ^2/NDF: 1561.6/35



Right In: 3.599+/-0.220 χ^2/NDF: 440.3/15

Left Out: 1.354+/-0.167 χ^2/NDF:135.1/17

Right Out: 4.301+/-0.221 χ^2/NDF: 352.1/17

Left In: 1.349+/-0.168 χ^2/NDF:139.5/17

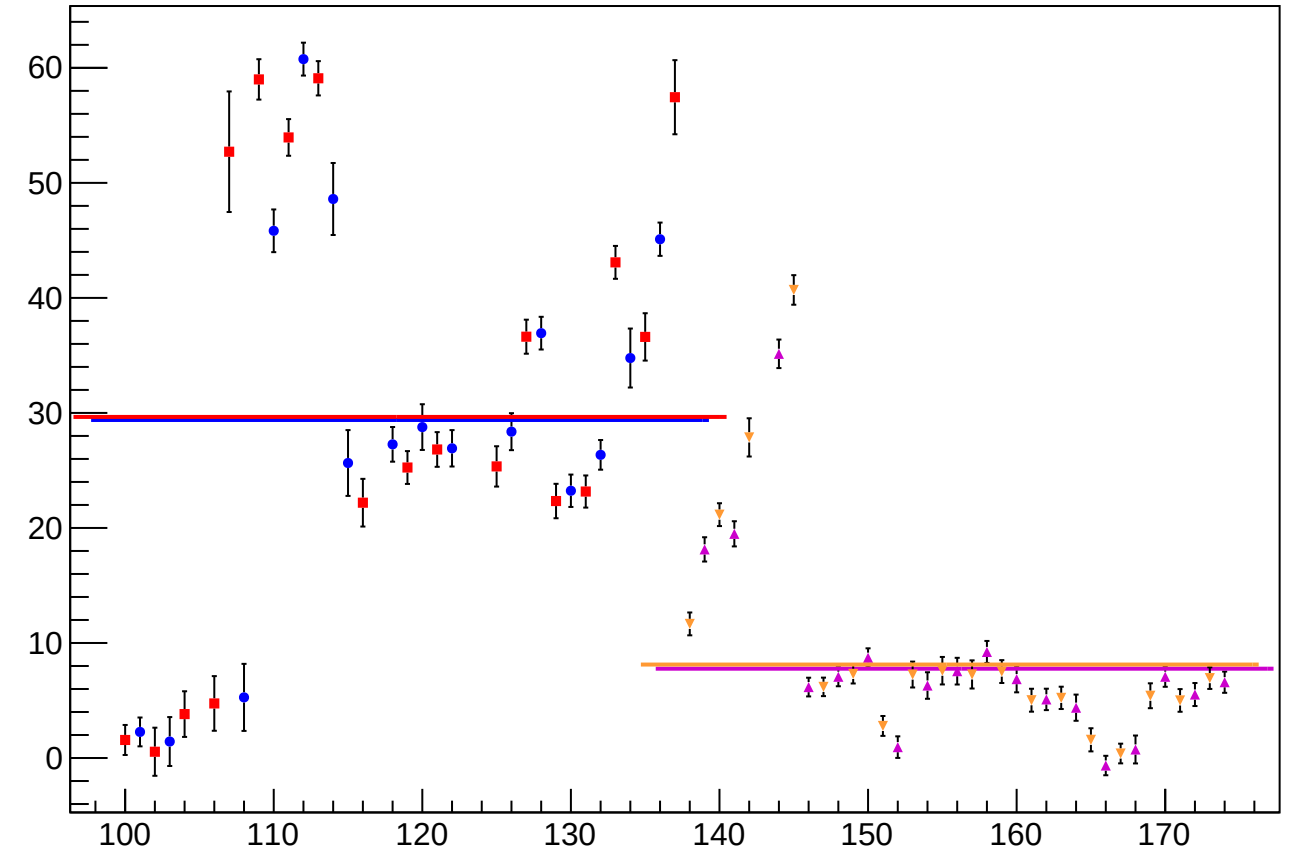
Left: 1.352+/-0.119 χ^2/NDF: 274.6/35

Right: 3.949+/-0.156 χ^2/NDF: 797.4/33

In: 2.178+/-0.134 χ^2/NDF:645.7/33

Out: 2.427+/-0.133 χ^2/NDF:600.2/35

All: 2.303+/-0.094 χ^2/NDF: 1247.7/69



Right In: 29.387+/-0.419 χ^2/NDF: 1488.6/15

Left Out: 8.125+/-0.236 χ^2/NDF:1175.0/17

Right Out: 29.652+/-0.402 χ^2/NDF: 2131.0/17

Left In: 7.765+/-0.231 χ^2/NDF:918.8/17

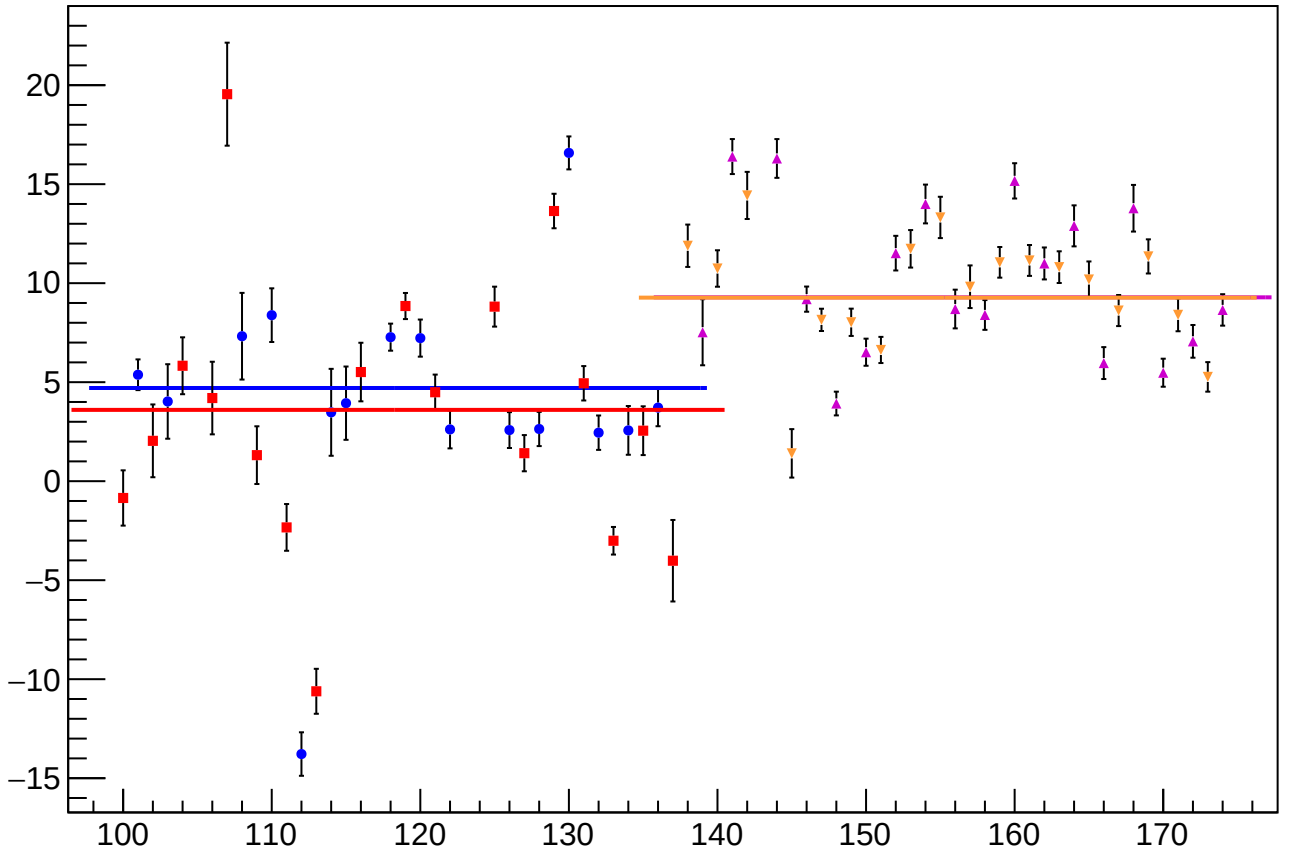
Left: 7.940+/-0.165 χ^2/NDF: 2094.9/35

Right: 29.525+/-0.290 χ^2/NDF: 3619.8/33

In: 12.786+/-0.202 χ^2/NDF:4449.5/33

Out: 13.640+/-0.204 χ^2/NDF:5435.3/35

All: 13.210+/-0.143 χ^2/NDF: 9893.7/69


reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
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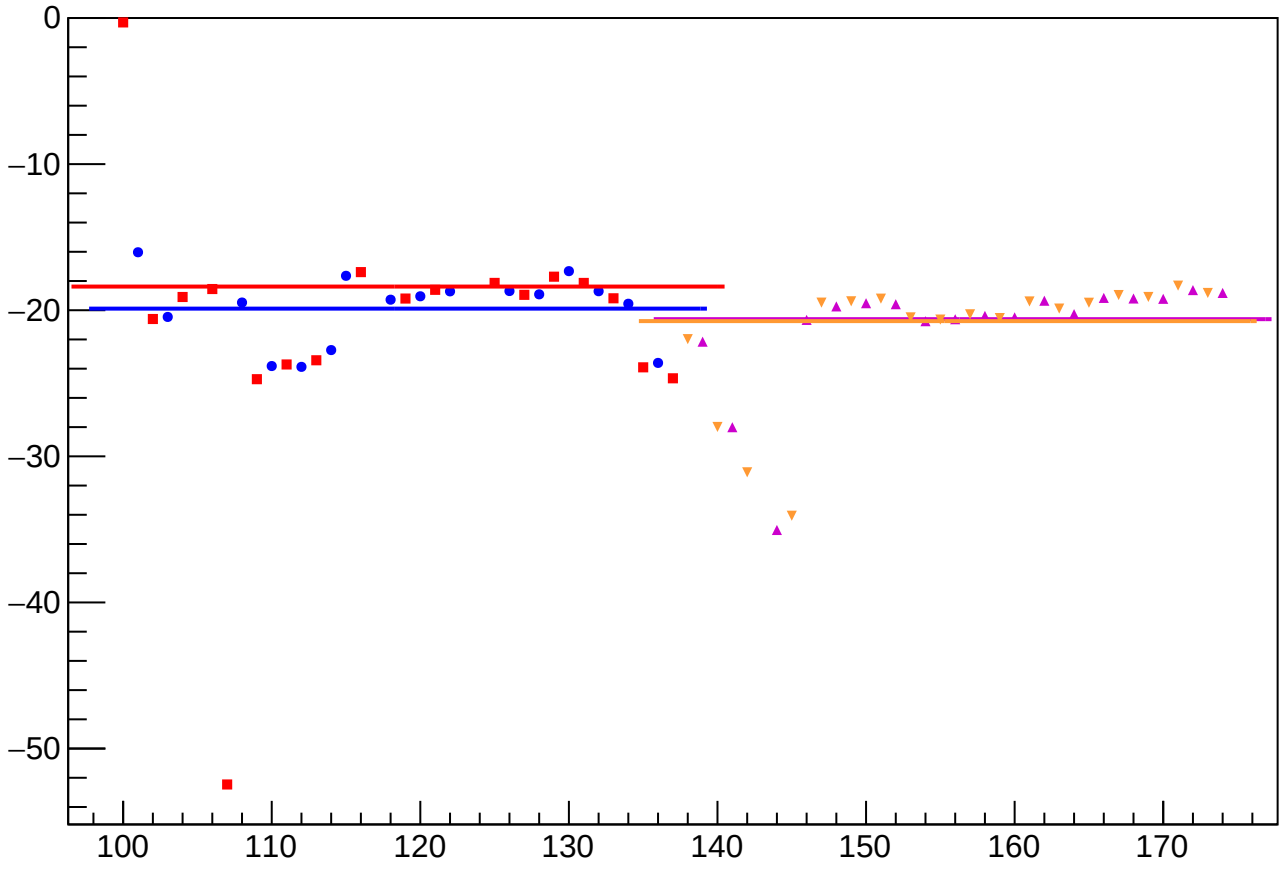
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: 4.706+/-0.254 χ²/NDF: 545.2/15
Left Out: 9.270+/-0.195 χ²/NDF:166.2/17
Right Out: 3.601+/-0.254 χ²/NDF: 573.4/17
Left In: 9.285+/-0.195 χ²/NDF:373.7/17
Left: 9.277+/-0.138 χ²/NDF: 539.9/35
Right: 4.154+/-0.180 χ²/NDF: 1128.1/33
In: 7.585+/-0.155 χ²/NDF:1123.4/33
Out: 7.162+/-0.155 χ²/NDF:1052.4/35
All: 7.374+/-0.109 χ²/NDF: 2179.5/69



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: -20.611+/-0.009 χ^2/NDF:113948.3/17

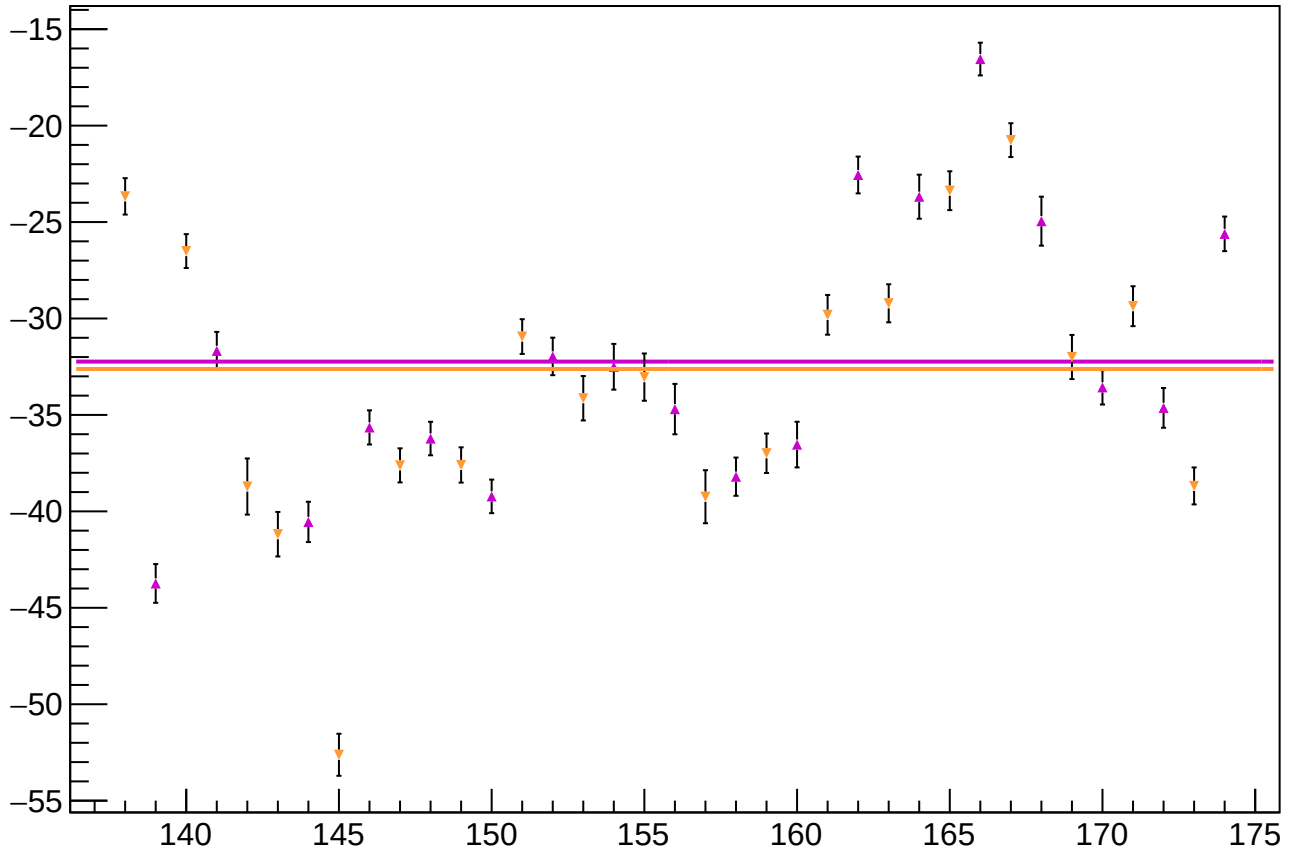
Left: -20.676+/-0.006 χ^2/NDF: 255034.0/35

Right: -19.091+/-0.011 χ^2/NDF: 331979.2/33

In: -20.432+/-0.008 χ^2/NDF:141588.7/33

Out: -20.076+/-0.008 χ^2/NDF:460416.0/35

All: -20.255+/-0.006 χ^2/NDF: 603038.4/69



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: -32.235+/-0.234 χ^2/NDF:944.0/17

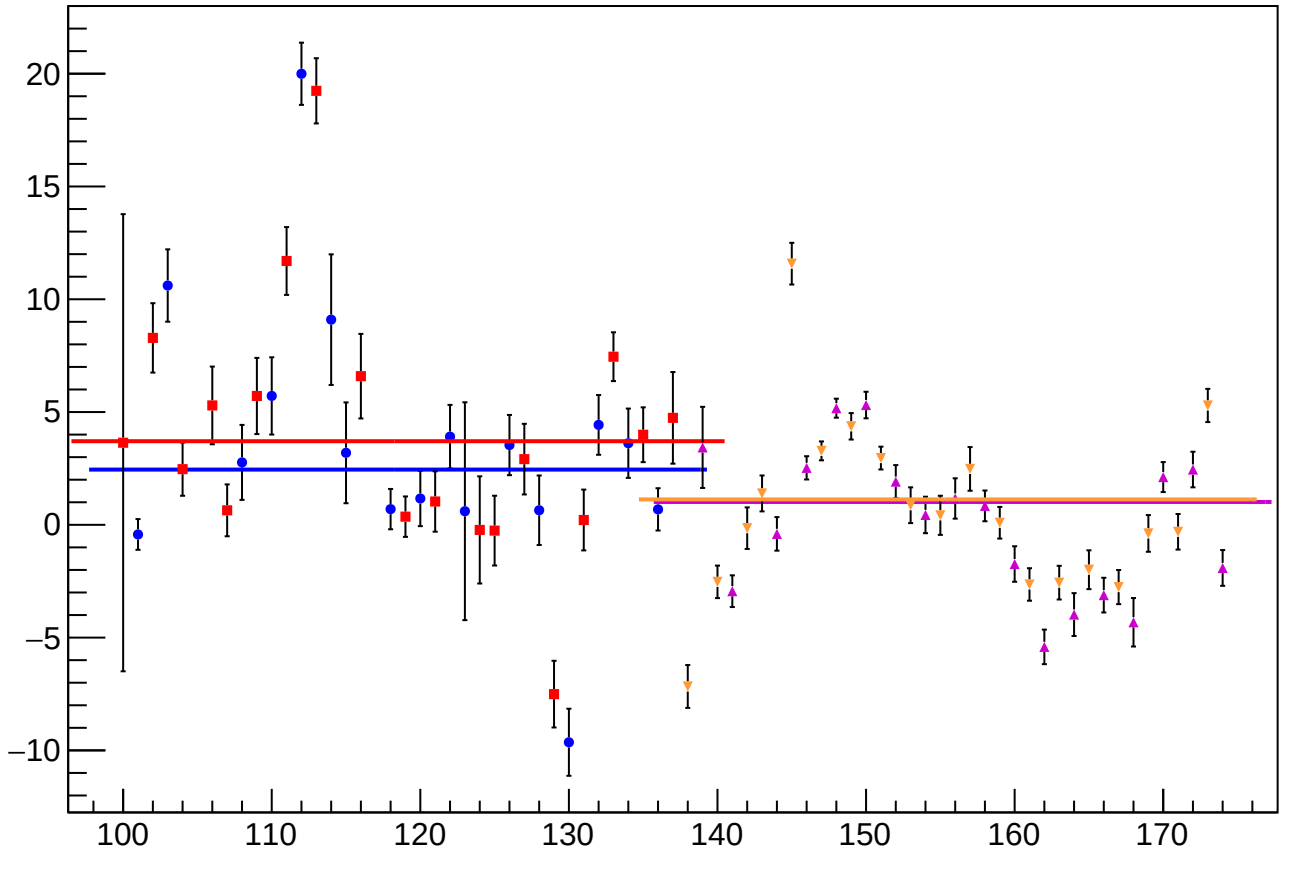
Left: -32.426+/-0.166 χ^2/NDF: 1938.8/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -32.235+/-0.234 χ^2/NDF:944.0/17

Out: -32.617+/-0.235 χ^2/NDF:993.6/18

All: -32.426+/-0.166 χ^2/NDF: 1938.8/36



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: 1.013+/-0.167 χ^2/NDF:382.0/17

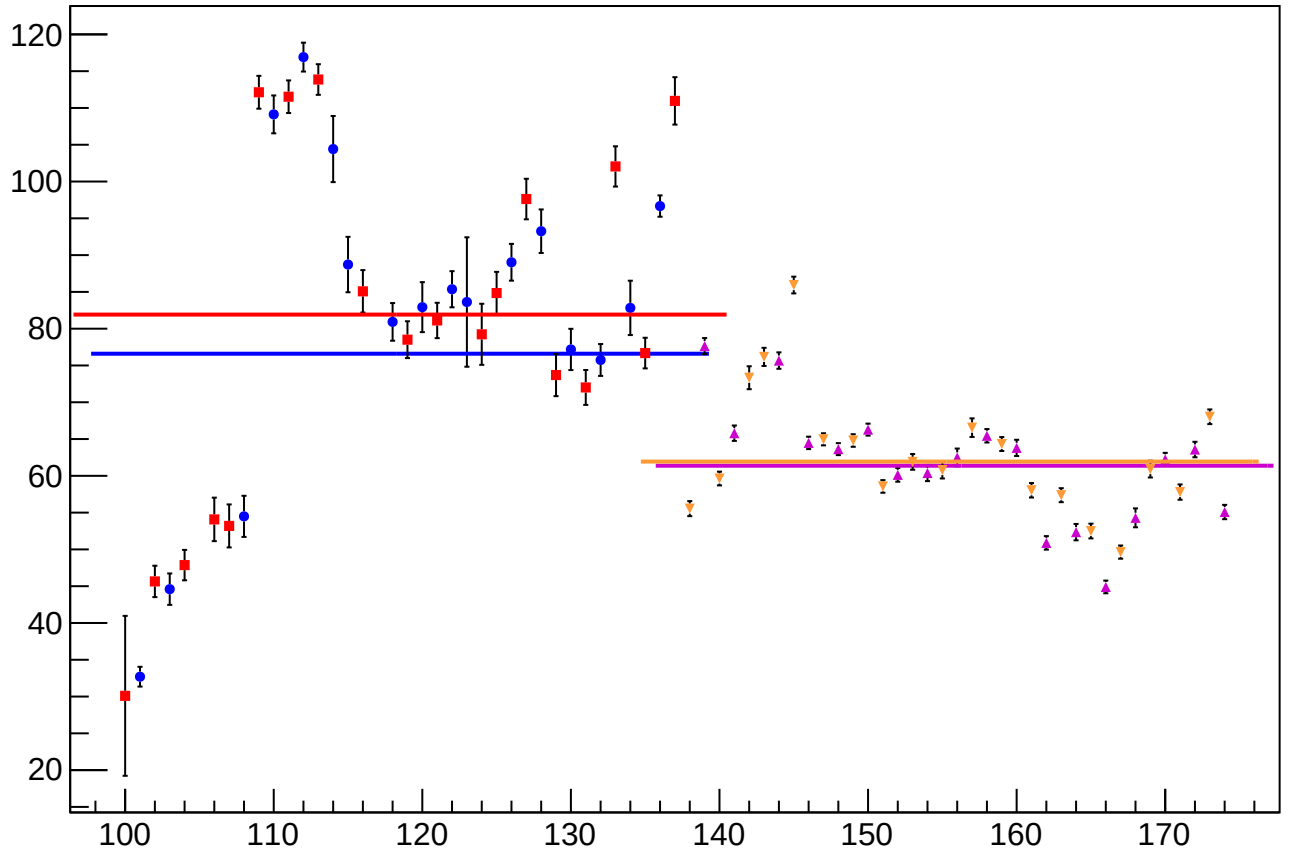
Left: 1.071+/-0.117 χ^2/NDF: 819.1/36

Right: 3.055+/-0.226 χ^2/NDF: 572.4/35

In: 1.331+/-0.148 χ^2/NDF:693.5/34

Out: 1.646+/-0.146 χ^2/NDF:756.2/37

All: 1.490+/-0.104 χ^2/NDF: 1452.0/72



Right In: 76.598+/-0.576 χ^2/NDF: 2255.1/16

Left Out: 61.938+/-0.232 χ^2/NDF:1107.5/18

Right Out: 81.916+/-0.592 χ^2/NDF: 1570.7/18

Left In: 61.376+/-0.231 χ^2/NDF:1127.5/17

Left: 61.656+/-0.164 χ^2/NDF: 2237.9/36

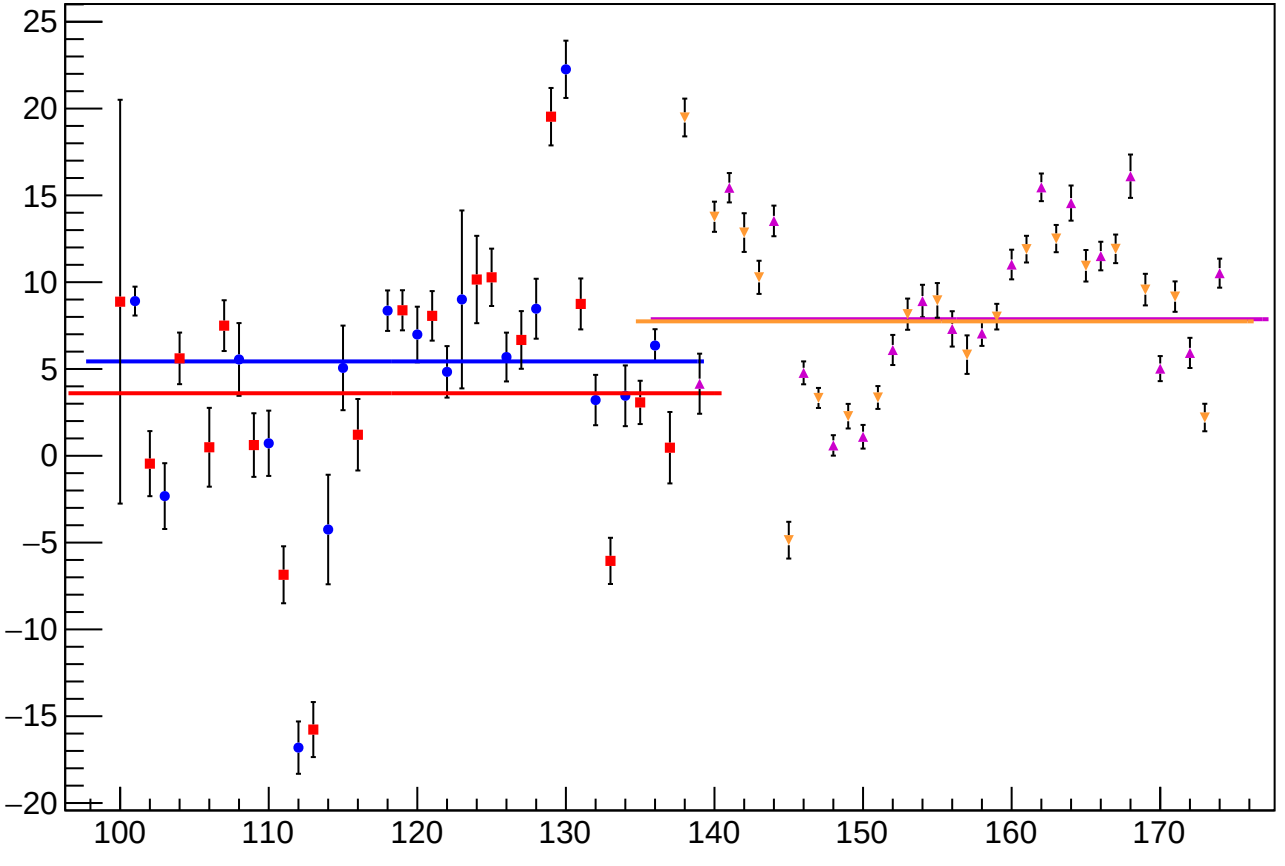
Right: 79.184+/-0.413 χ^2/NDF: 3867.3/35

In: 63.479+/-0.214 χ^2/NDF:3984.3/34

Out: 64.597+/-0.216 χ^2/NDF:3665.3/37

All: 64.033+/-0.152 χ^2/NDF: 7663.1/72

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436+/-0.360 χ^2/NDF: 387.2/16

Left Out: 7.744+/-0.191 χ^2/NDF:661.6/18

Right Out: 3.602+/-0.375 χ^2/NDF: 423.3/18

Left In: 7.867+/-0.194 χ^2/NDF:647.6/17

Left: 7.804+/-0.136 χ^2/NDF: 1309.4/36

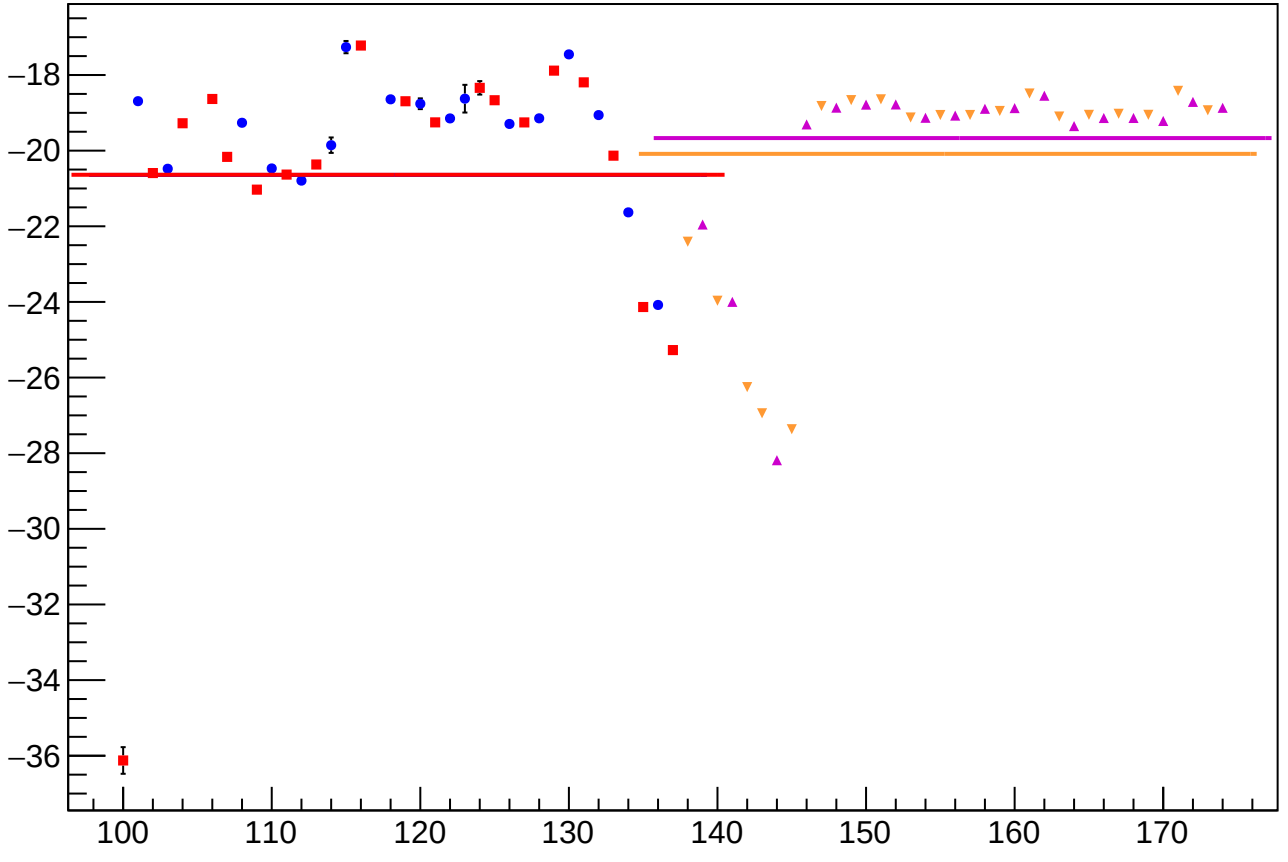
Right: 4.556+/-0.260 χ^2/NDF: 823.0/35

In: 7.318+/-0.171 χ^2/NDF:1070.1/34

Out: 6.887+/-0.171 χ^2/NDF:1181.6/37

All: 7.102+/-0.121 χ^2/NDF: 2254.8/72

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642+/-0.019 χ^2/NDF: 12431.5/16

Left Out: -20.085+/-0.009 χ^2/NDF:82270.9/18

Right Out: -20.638+/-0.019 χ^2/NDF: 13783.4/18

Left In: -19.668+/-0.009 χ^2/NDF:50251.0/17

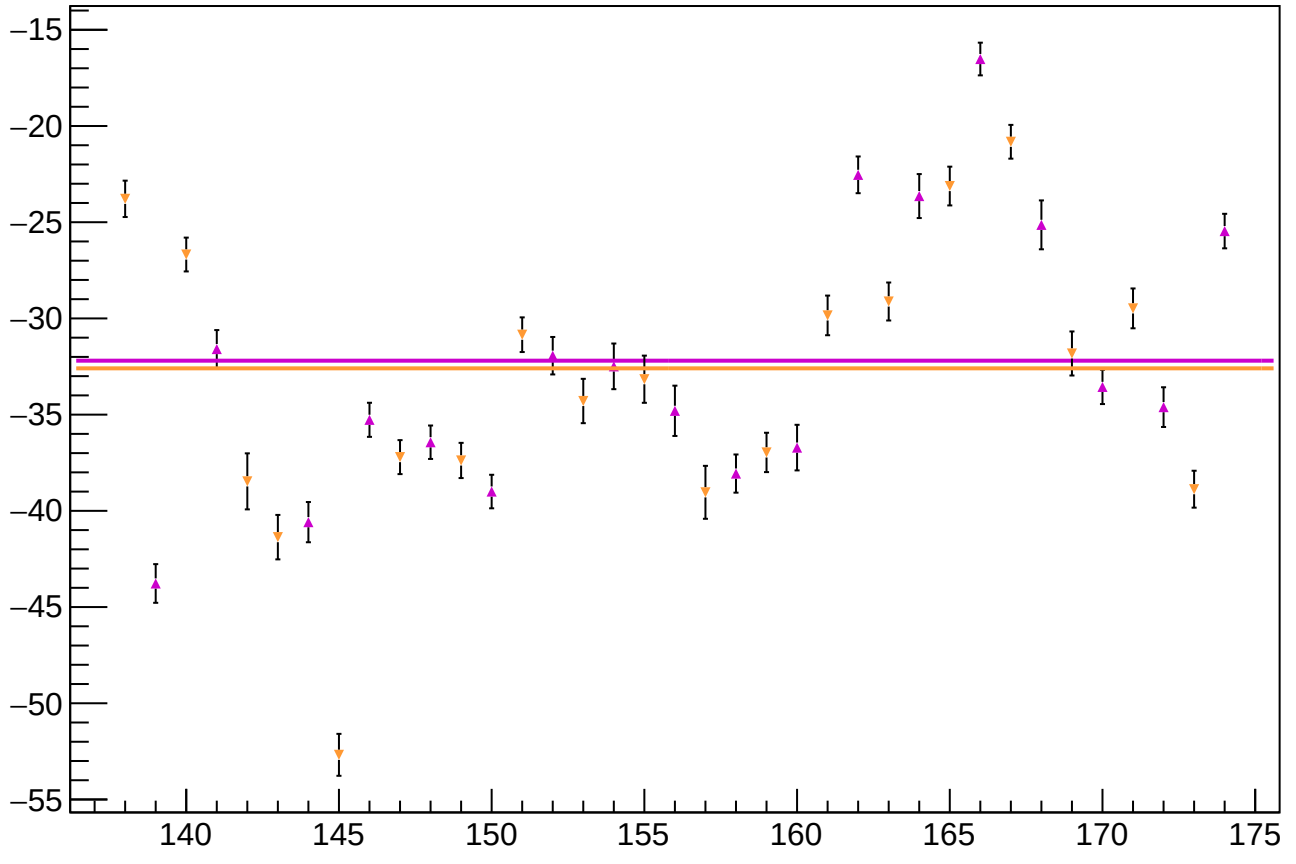
Left: -19.874+/-0.006 χ^2/NDF: 133581.6/36

Right: -20.640+/-0.014 χ^2/NDF: 26214.9/35

In: -19.842+/-0.008 χ^2/NDF:64767.5/34

Out: -20.184+/-0.008 χ^2/NDF:96717.2/37

All: -20.012+/-0.006 χ^2/NDF: 162355.2/72



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: -32.196+/-0.234 χ^2/NDF:942.0/17

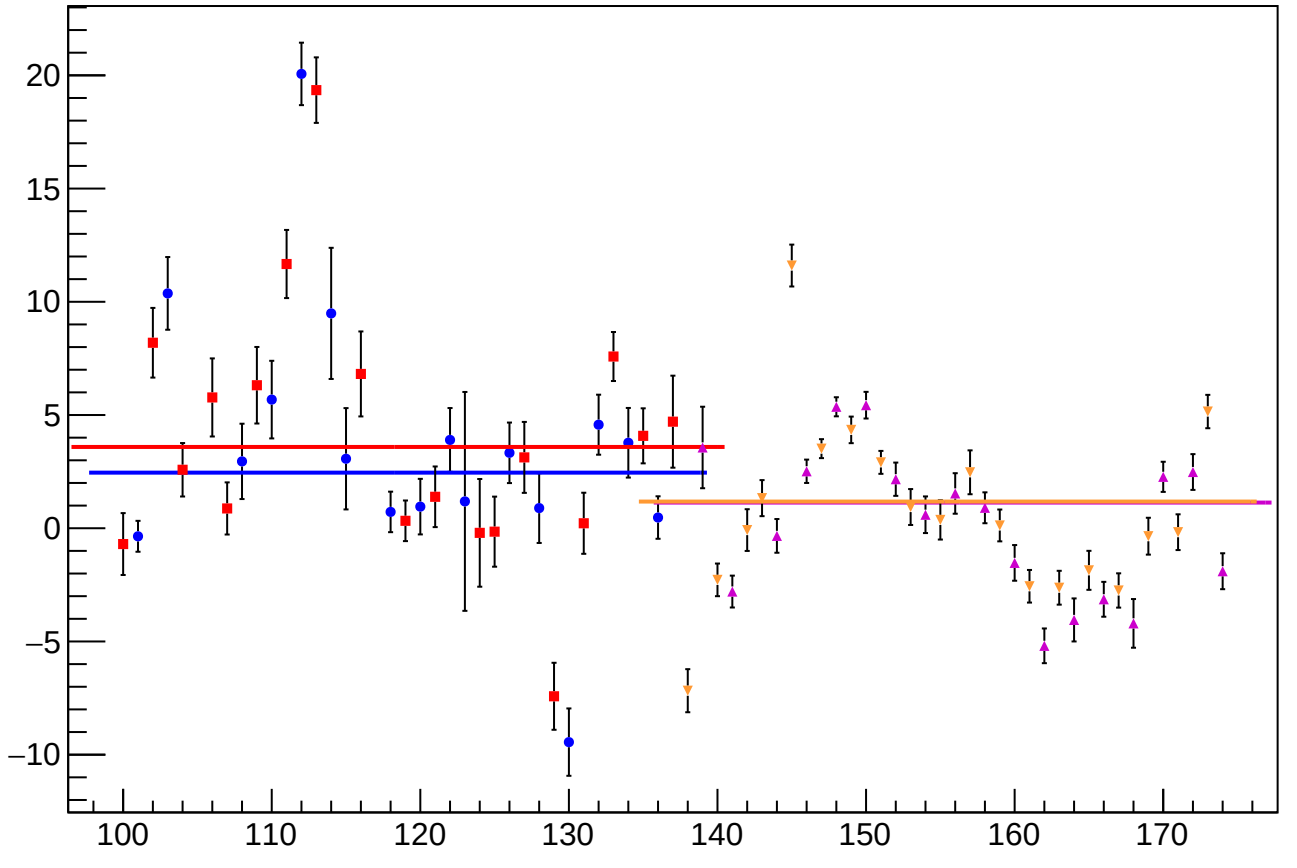
Left: -32.394+/-0.166 χ^2/NDF: 1930.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -32.196+/-0.234 χ^2/NDF:942.0/17

Out: -32.594+/-0.235 χ^2/NDF:987.2/18

All: -32.394+/-0.166 χ^2/NDF: 1930.7/36



Right In: 2.455+/-0.315 χ^2/NDF: 293.5/16

Left Out: 1.178+/-0.164 χ^2/NDF:433.8/18

Right Out: 3.590+/-0.318 χ^2/NDF: 279.8/18

Left In: 1.133+/-0.168 χ^2/NDF:386.1/17

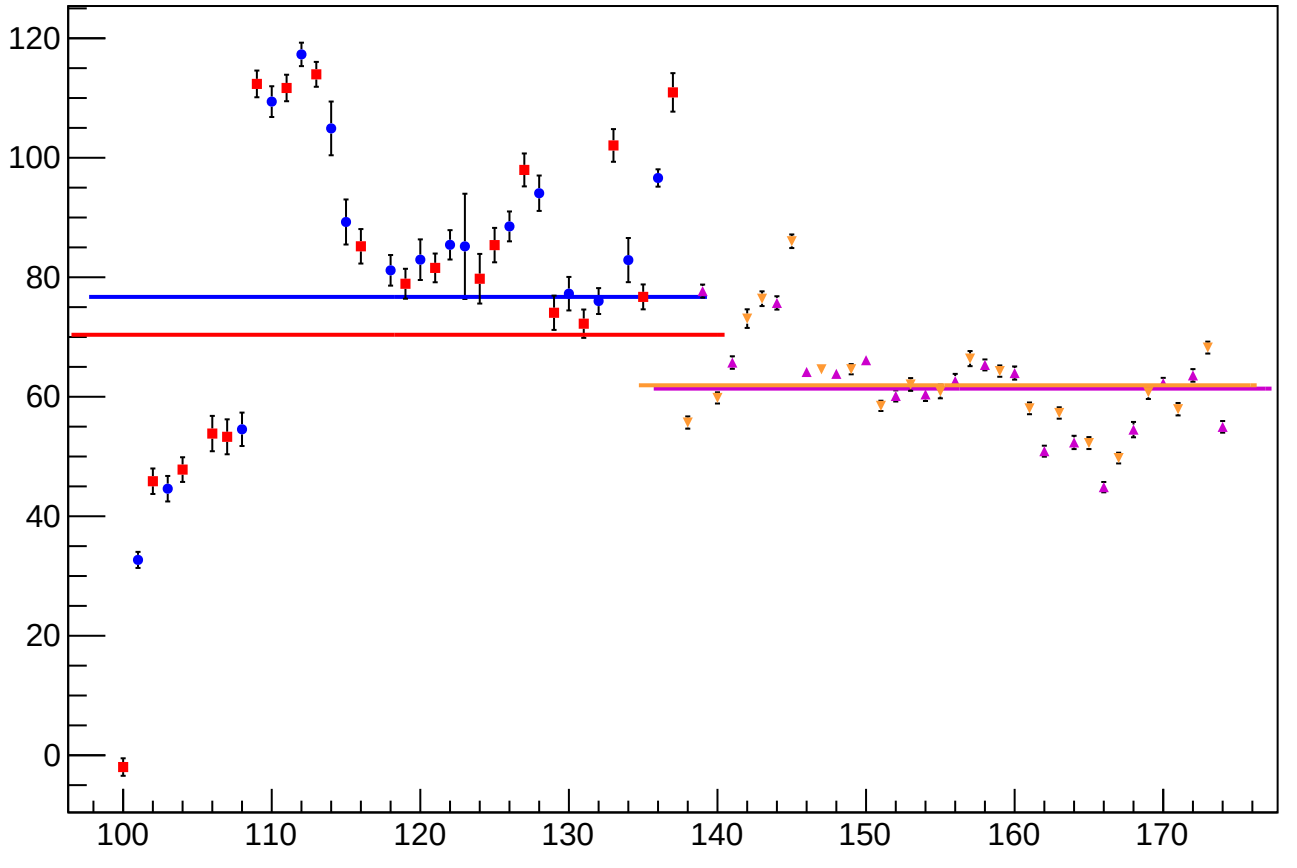
Left: 1.156+/-0.117 χ^2/NDF: 819.9/36

Right: 3.017+/-0.224 χ^2/NDF: 579.8/35

In: 1.426+/-0.148 χ^2/NDF:693.3/34

Out: 1.685+/-0.146 χ^2/NDF:759.2/37

All: 1.557+/-0.104 χ^2/NDF: 1454.1/72



Right In: 76.713+/-0.576 χ^2/NDF: 2266.6/16

Left Out: 61.922+/-0.232 χ^2/NDF:1108.2/18

Right Out: 70.376+/-0.550 χ^2/NDF: 4390.7/18

Left In: 61.364+/-0.231 χ^2/NDF:1124.5/17

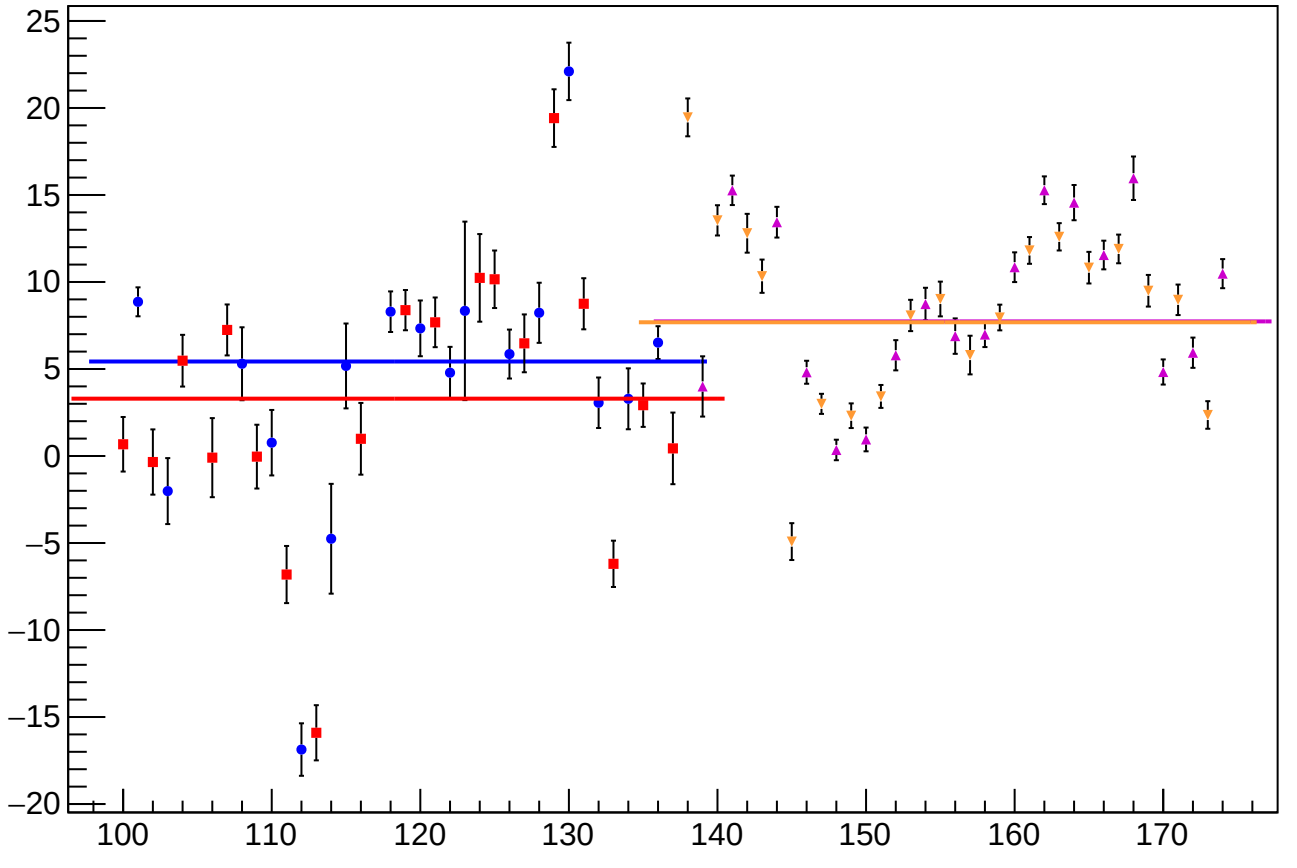
Left: 61.641+/-0.164 χ^2/NDF: 2235.7/36

Right: 73.396+/-0.398 χ^2/NDF: 6720.6/35

In: 63.485+/-0.214 χ^2/NDF:4002.3/34

Out: 63.201+/-0.214 χ^2/NDF:5699.5/37

All: 63.343+/-0.151 χ^2/NDF: 9702.8/72



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: 7.735+/-0.195 χ^2/NDF:653.2/17

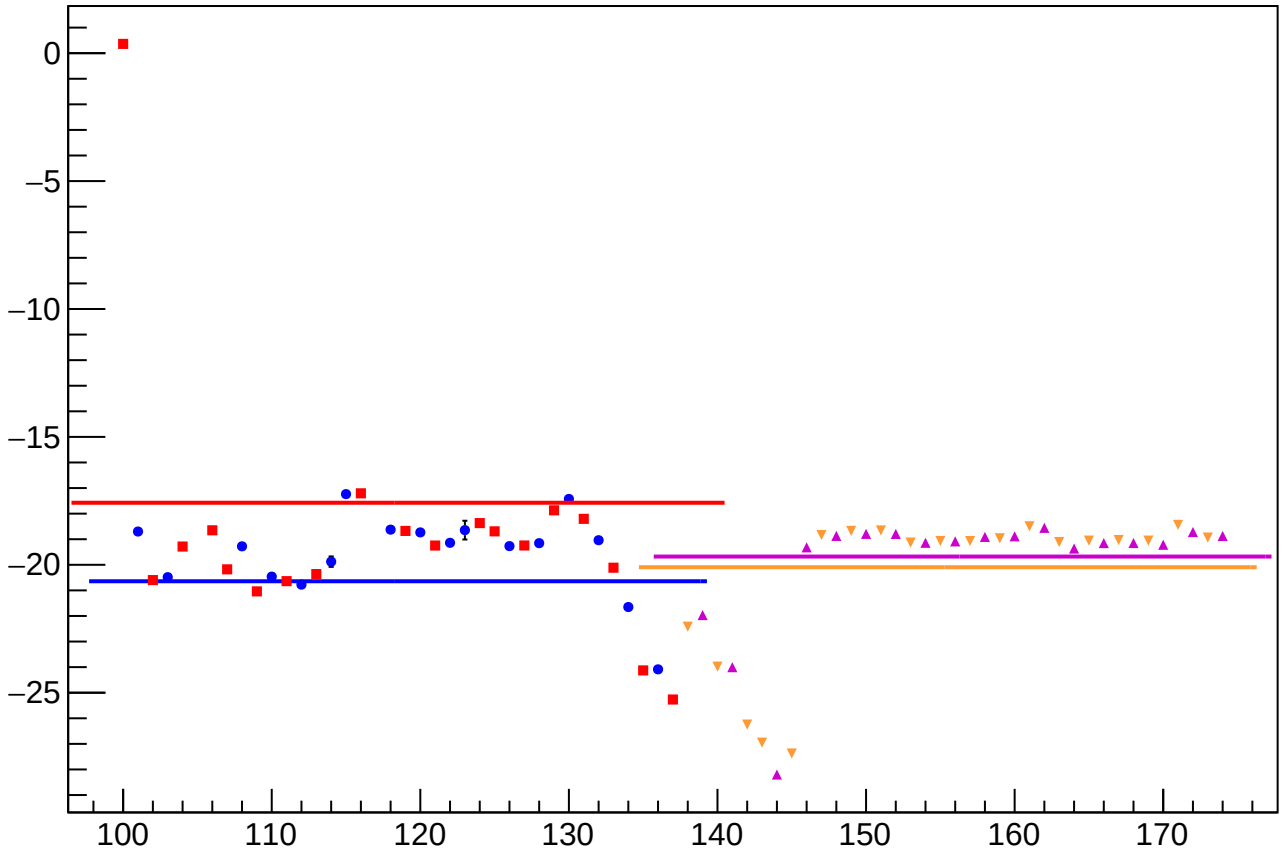
Left: 7.710+/-0.137 χ^2/NDF: 1313.5/36

Right: 4.376+/-0.257 χ^2/NDF: 829.3/35

In: 7.215+/-0.171 χ^2/NDF:1070.7/34

Out: 6.737+/-0.170 χ^2/NDF:1199.8/37

All: 6.974+/-0.121 χ^2/NDF: 2274.4/72



Right In: -20.643+/-0.019 χ^2/NDF: 12468.6/16

Left Out: -20.094+/-0.009 χ^2/NDF:82121.5/18

Right Out: -17.574+/-0.018 χ^2/NDF: 178327.0/18

Left In: -19.678+/-0.009 χ^2/NDF:50192.5/17

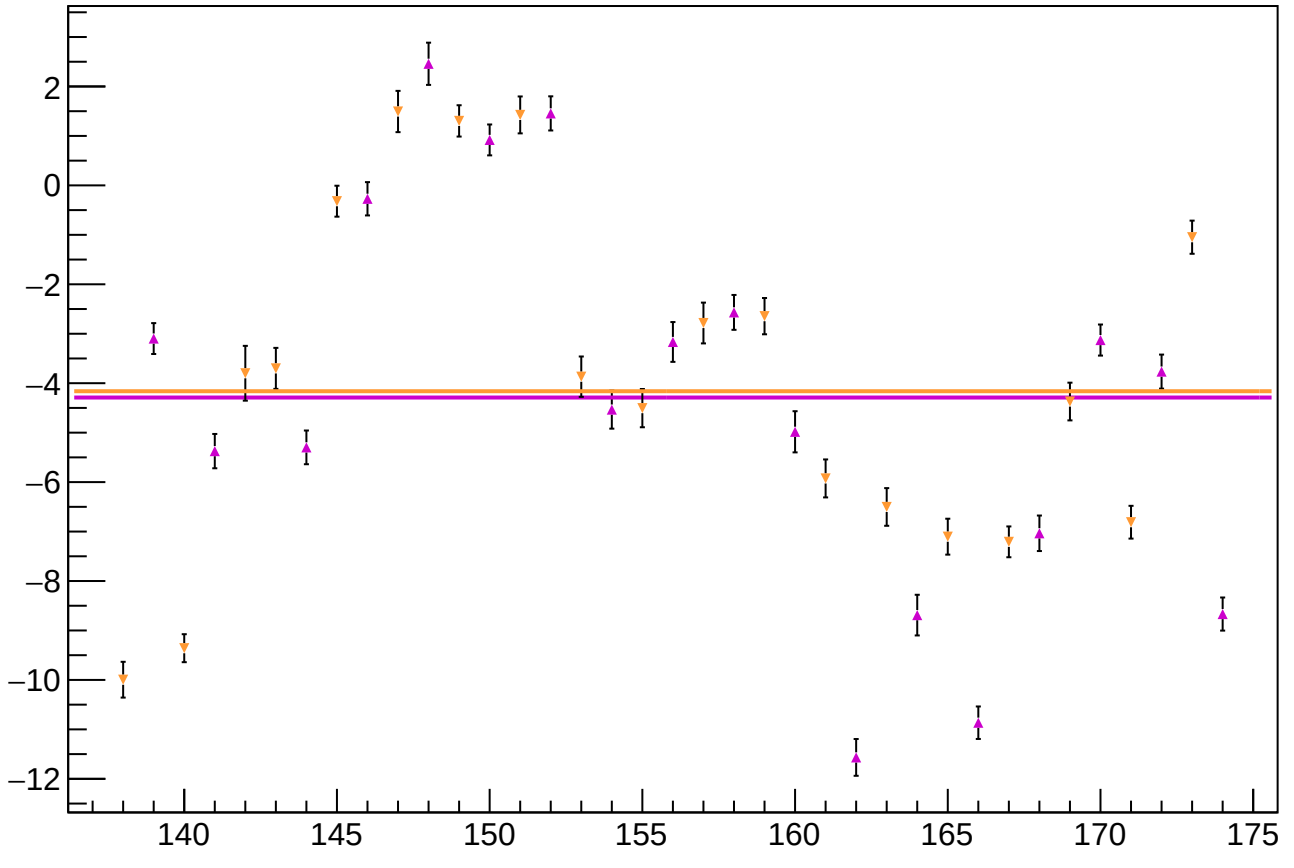
Left: -19.884+/-0.006 χ^2/NDF: 133368.6/36

Right: -19.001+/-0.013 χ^2/NDF: 204262.7/35

In: -19.850+/-0.008 χ^2/NDF:64707.4/34

Out: -19.581+/-0.008 χ^2/NDF:276003.3/37

All: -19.715+/-0.006 χ^2/NDF: 341253.5/72



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

Left Out: -4.162+/-0.083 χ^2/NDF:1855.5/18

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

Left In: -4.290+/-0.083 χ^2/NDF:2158.9/17

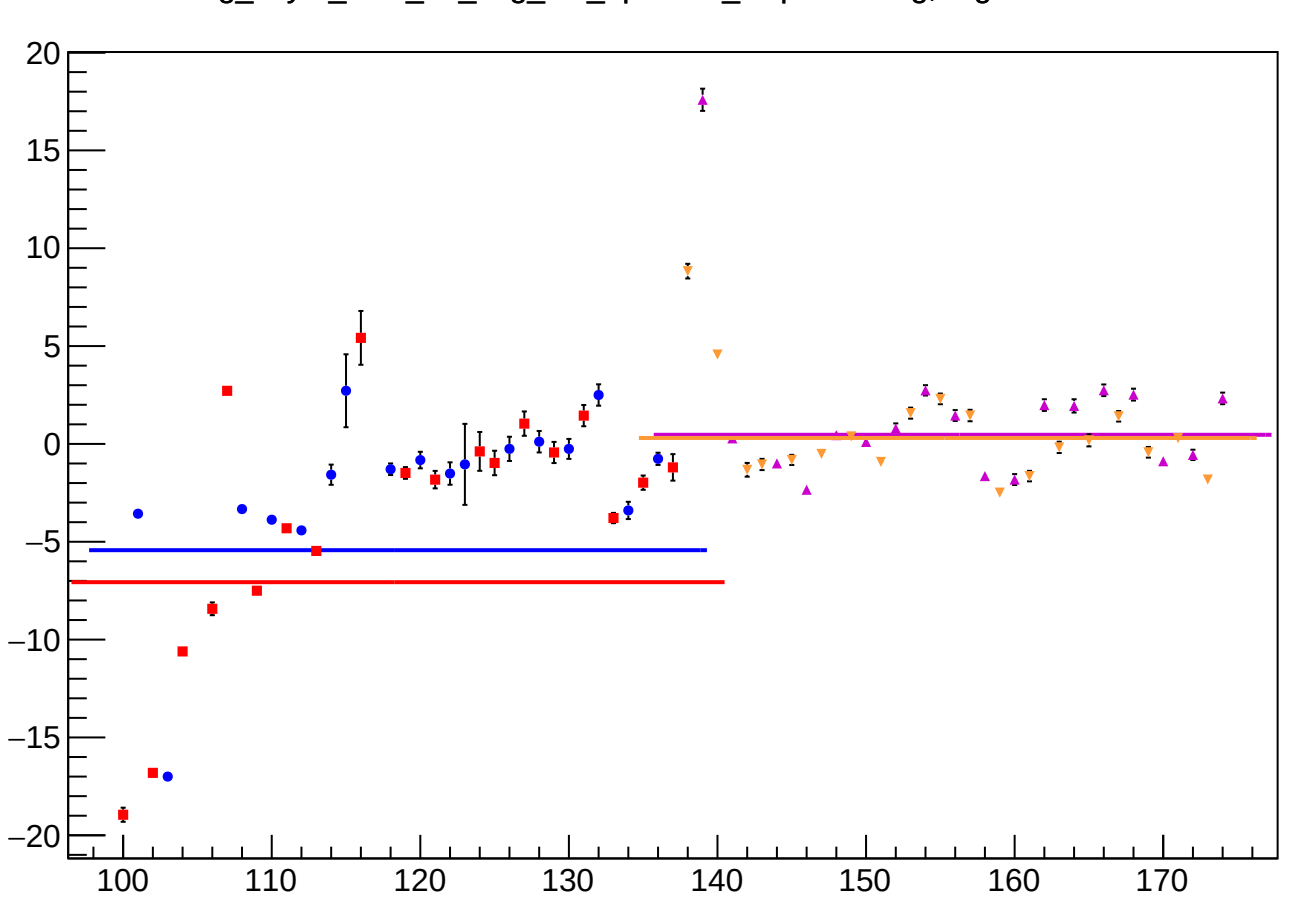
Left: -4.226+/-0.059 χ^2/NDF: 4015.5/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -4.290+/-0.083 χ^2/NDF:2158.9/17

Out: -4.162+/-0.083 χ^2/NDF:1855.5/18

All: -4.226+/-0.059 χ^2/NDF: 4015.5/36



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: 0.466+/-0.062 χ^2/NDF:1591.5/17

Left: 0.383+/-0.043 χ^2/NDF: 2910.8/36

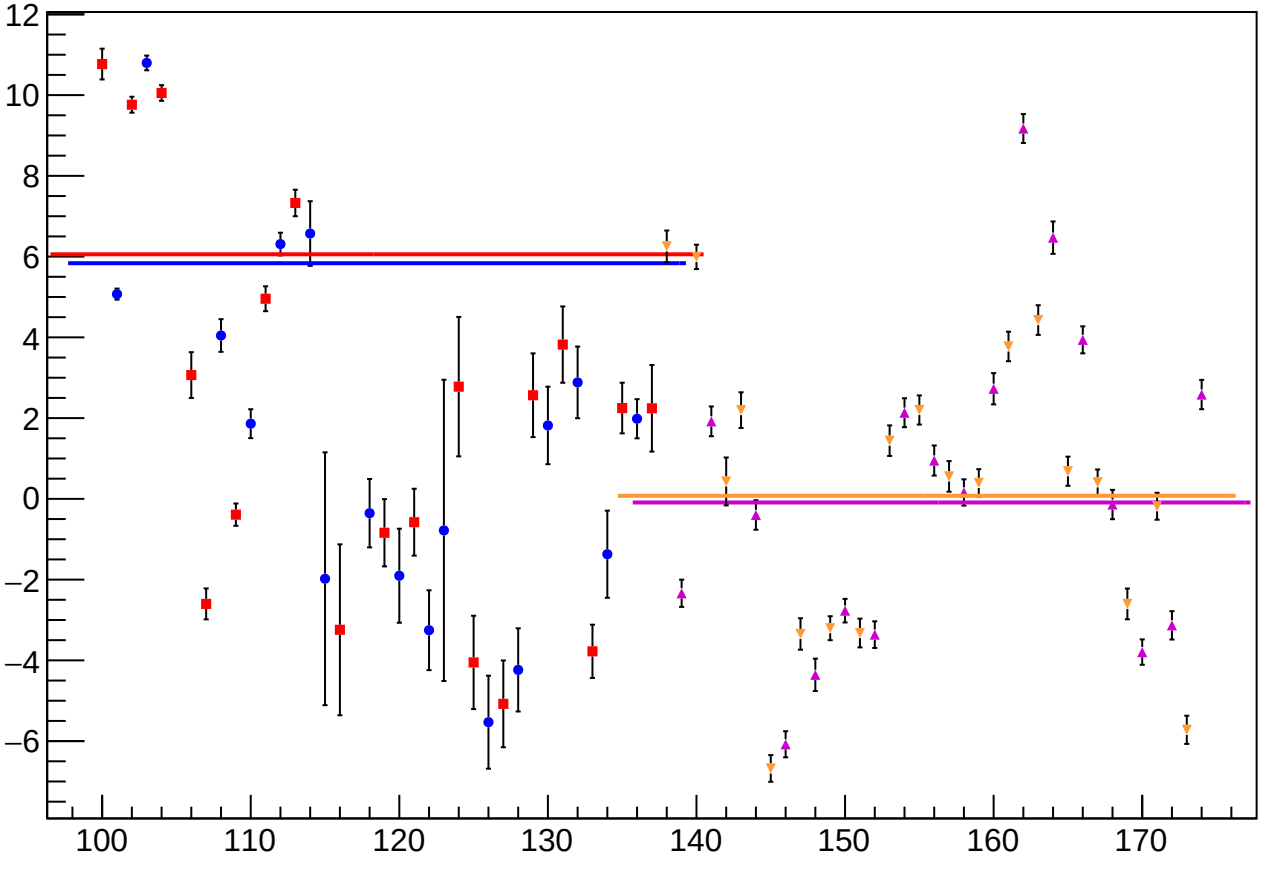
Right: -6.189+/-0.040 χ^2/NDF: 21952.0/35

In: -2.838+/-0.041 χ^2/NDF:15905.2/34

Out: -3.448+/-0.042 χ^2/NDF:21275.2/37

All: -3.135+/-0.029 χ^2/NDF: 37288.1/72

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836+/-0.090 χ^2/NDF: 1440.9/16

Left Out: 0.076+/-0.082 χ^2/NDF:1987.1/18

Right Out: 6.057+/-0.093 χ^2/NDF: 2668.9/18

Left In: -0.090+/-0.082 χ^2/NDF:2164.2/17

Left: -0.007+/-0.058 χ^2/NDF: 4153.3/36

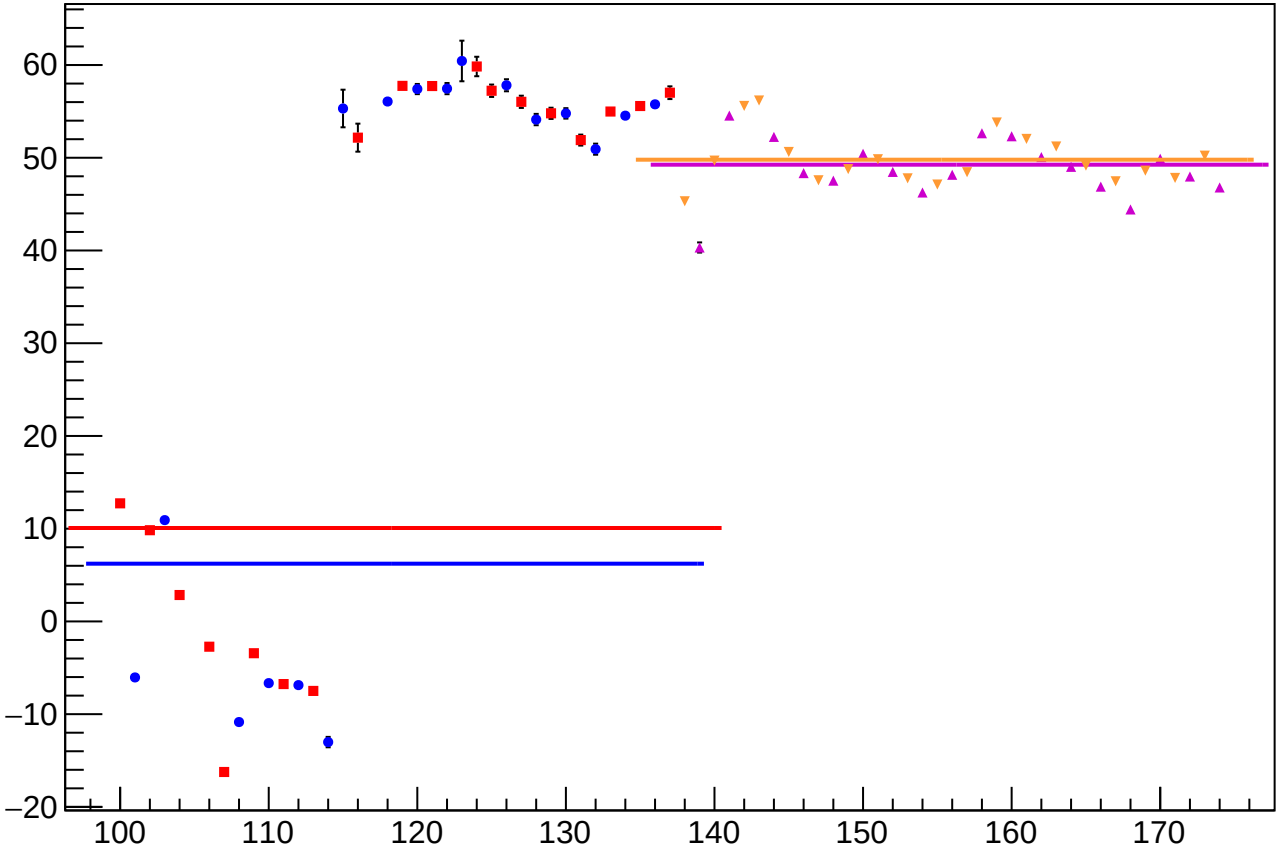
Right: 5.942+/-0.065 χ^2/NDF: 4112.7/35

In: 2.619+/-0.061 χ^2/NDF:5976.8/34

Out: 2.697+/-0.062 χ^2/NDF:6963.7/37

All: 2.657+/-0.043 χ^2/NDF: 12941.3/72

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: 49.252+/-0.071 χ^2/NDF:1490.7/17

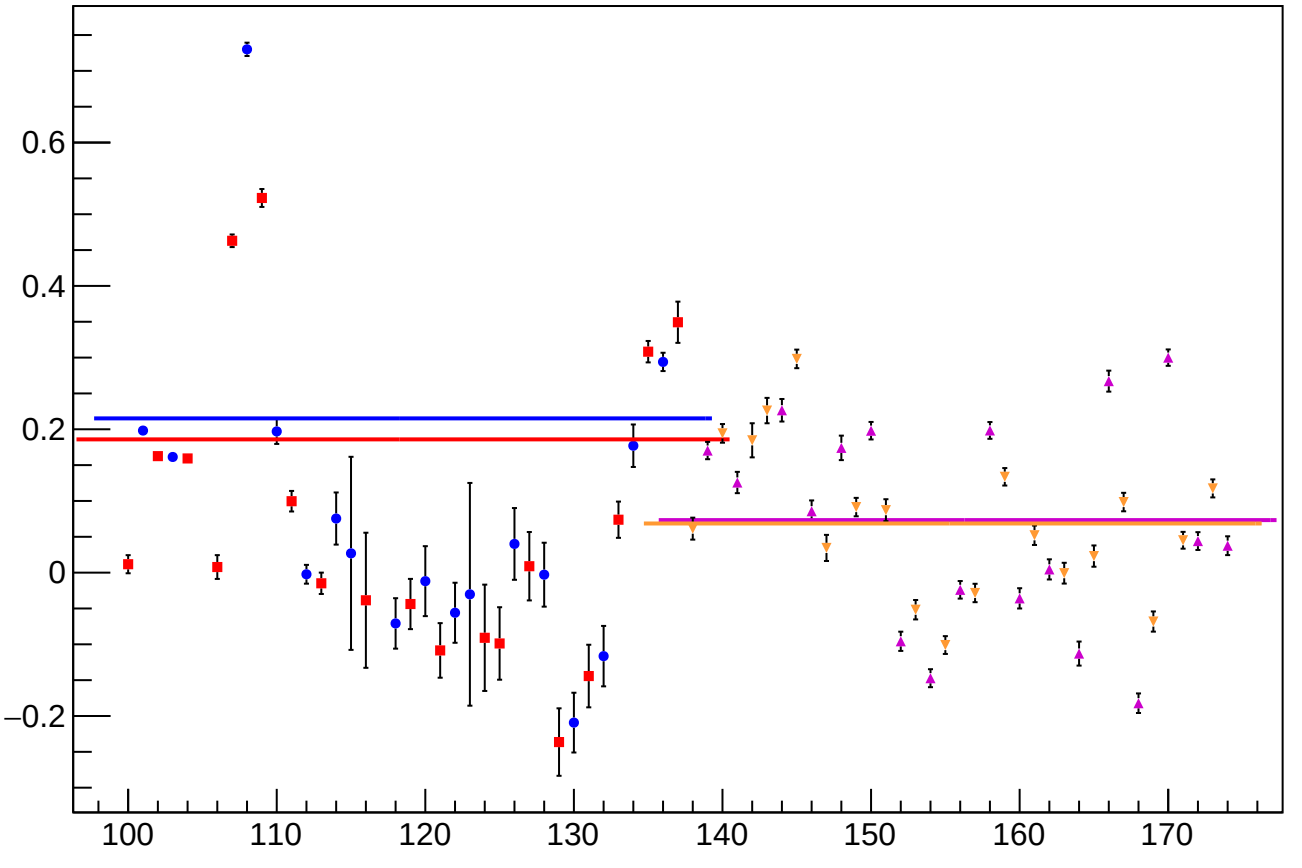
Left: 49.527+/-0.049 χ^2/NDF: 2827.0/36

Right: 8.011+/-0.047 χ^2/NDF: 244638.0/35

In: 25.895+/-0.048 χ^2/NDF:323802.9/34

Out: 30.086+/-0.049 χ^2/NDF:286775.4/37

All: 27.932+/-0.034 χ^2/NDF: 614320.4/72



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: 0.073+/-0.003 χ^2/NDF:2095.4/17

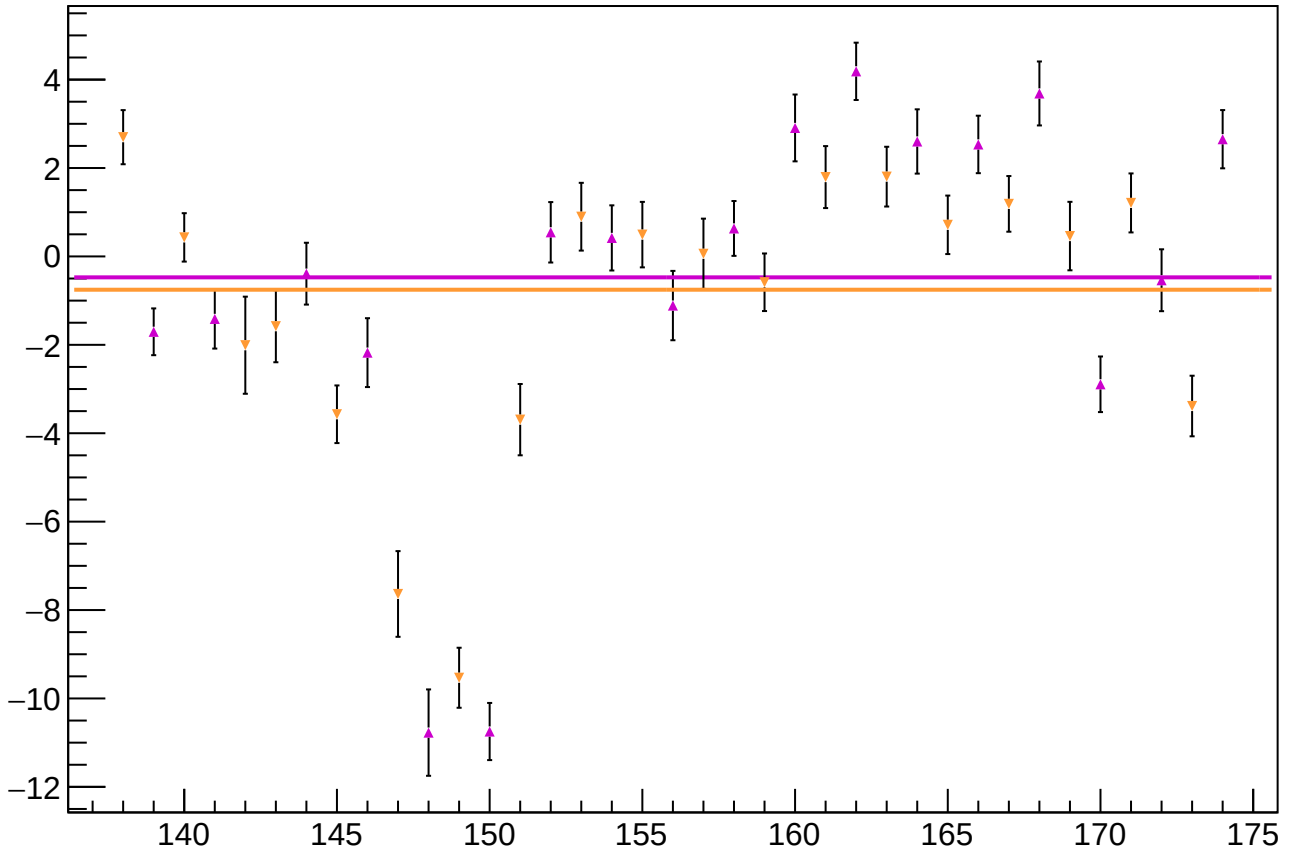
Left: 0.071+/-0.002 χ^2/NDF: 3118.5/36

Right: 0.200+/-0.002 χ^2/NDF: 6701.6/35

In: 0.154+/-0.002 χ^2/NDF:7157.2/34

Out: 0.137+/-0.002 χ^2/NDF:4532.9/37

All: 0.145+/-0.001 χ^2/NDF: 11722.6/72



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

Left Out: -0.753+/-0.162 χ^2/NDF:364.7/18

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

Left In: -0.473+/-0.162 χ^2/NDF:564.7/17

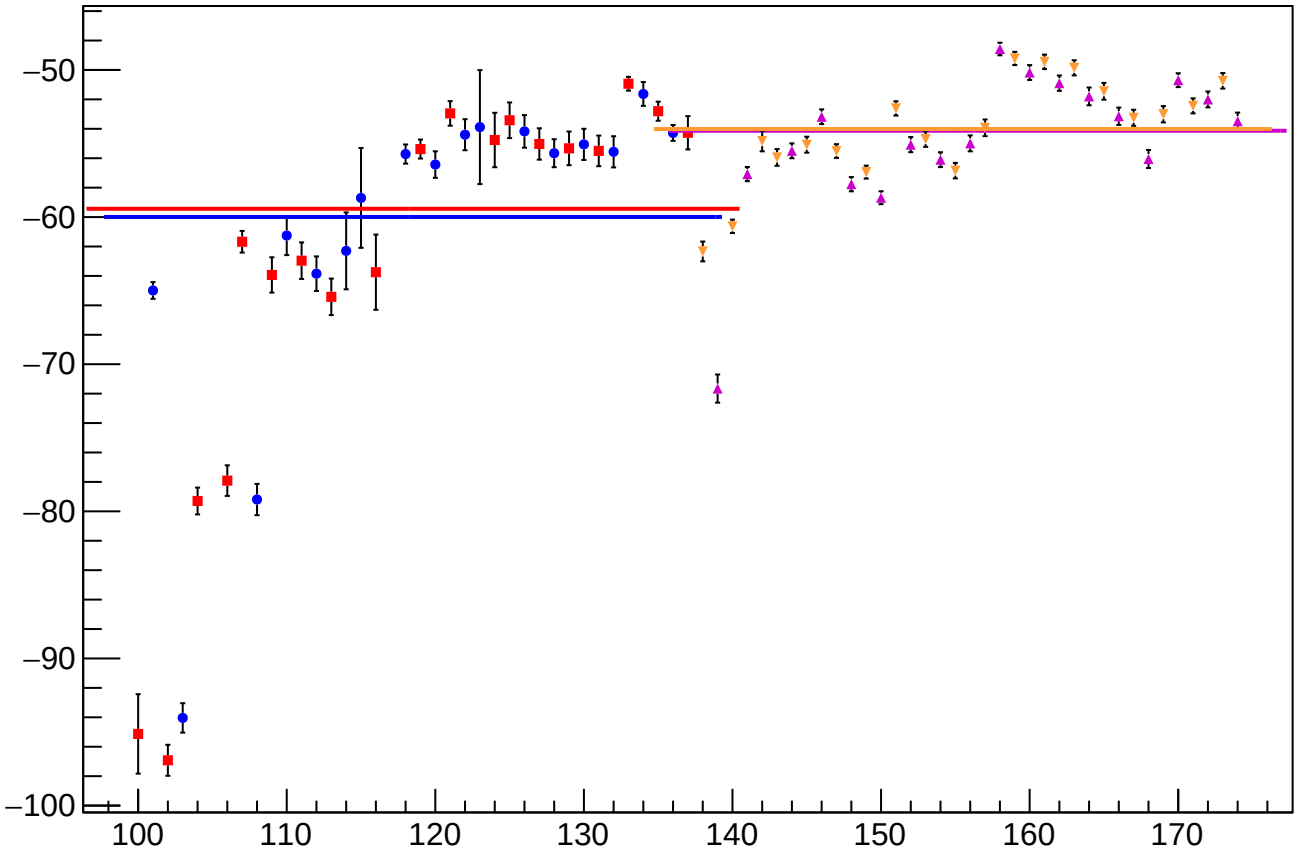
Left: -0.613+/-0.114 χ^2/NDF: 930.9/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -0.473+/-0.162 χ^2/NDF:564.7/17

Out: -0.753+/-0.162 χ^2/NDF:364.7/18

All: -0.613+/-0.114 χ^2/NDF: 930.9/36



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: -54.132+/-0.123 χ^2/NDF:932.3/17

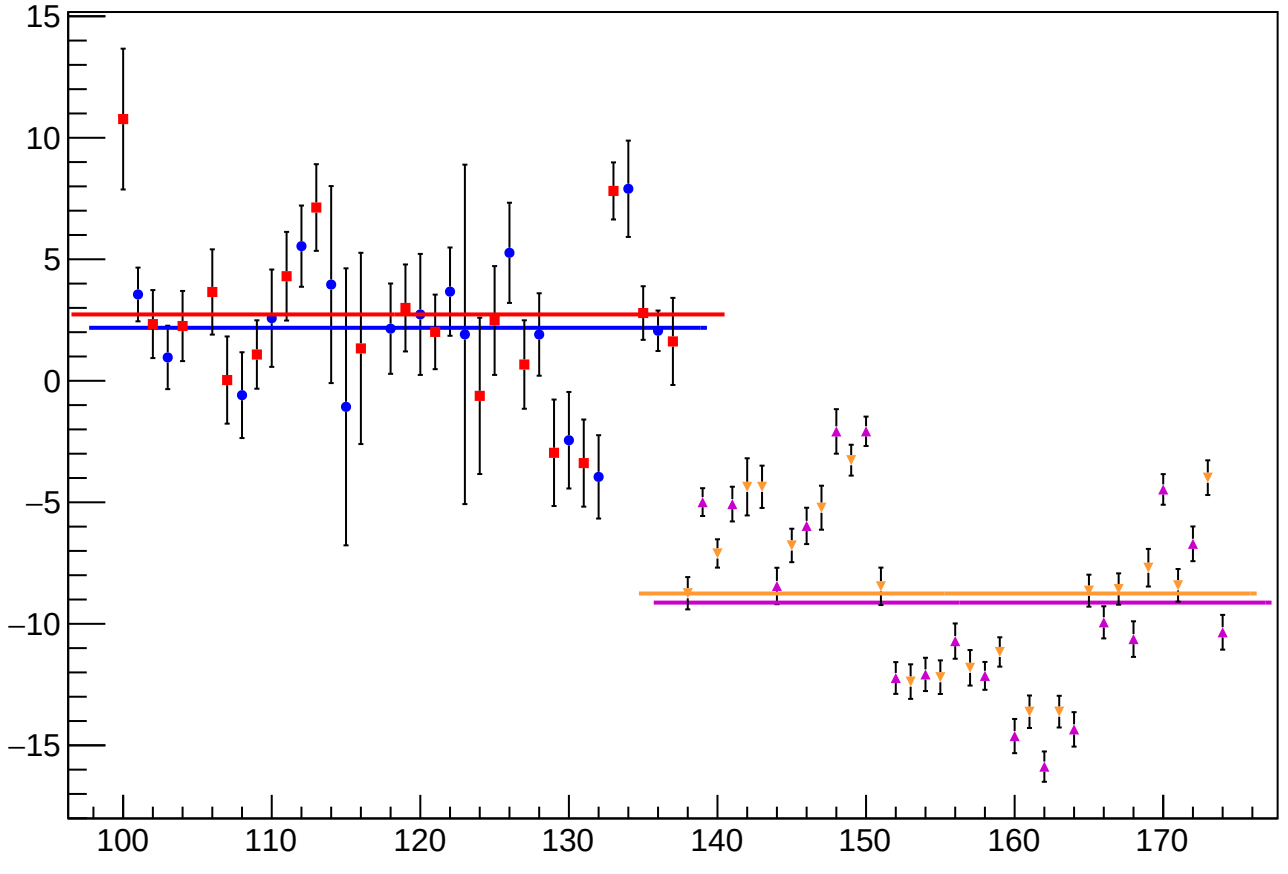
Left: -54.071+/-0.086 χ^2/NDF: 1743.3/36

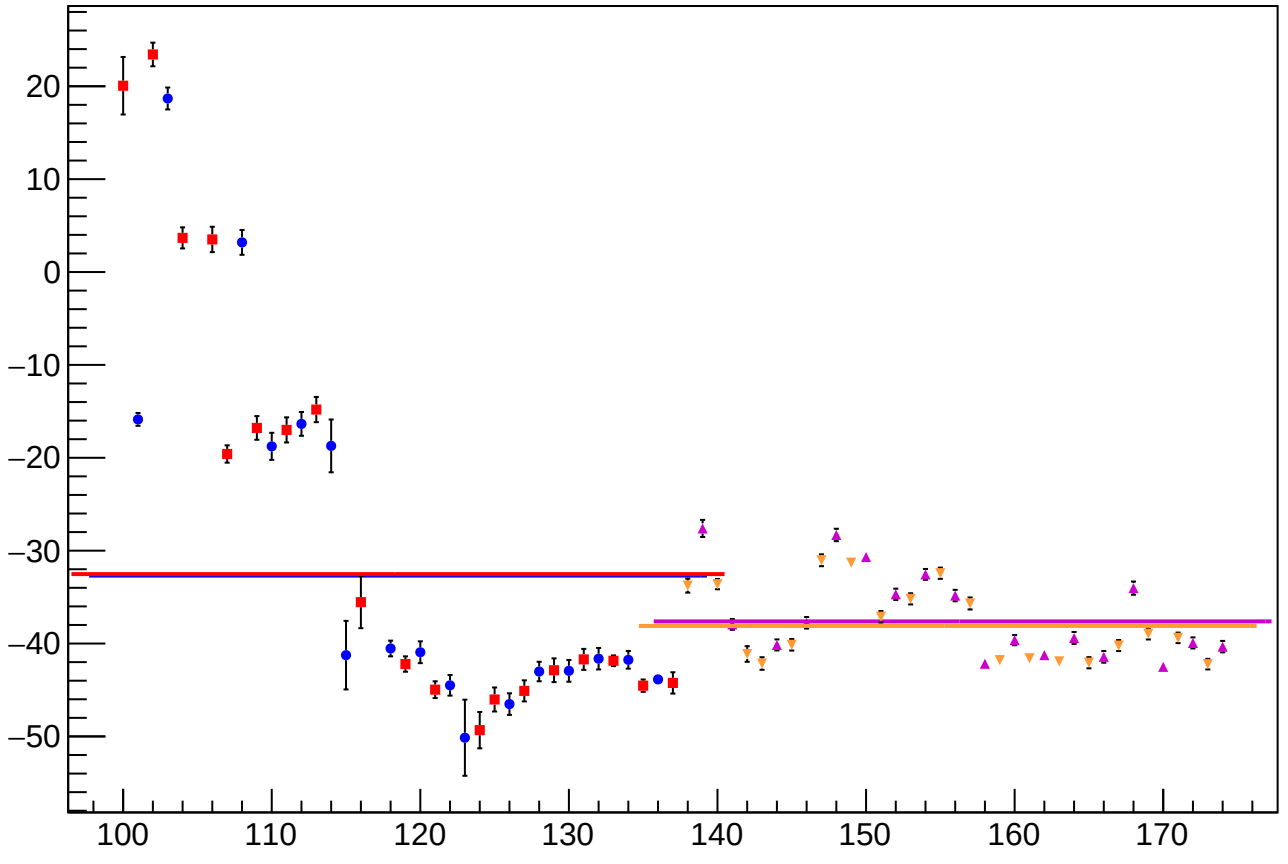
Right: -59.697+/-0.154 χ^2/NDF: 4894.0/35

In: -55.483+/-0.108 χ^2/NDF:3427.3/34

Out: -55.325+/-0.104 χ^2/NDF:4224.4/37

All: -55.402+/-0.075 χ^2/NDF: 7652.8/72


reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
15
10
5
0
−5
−10
−15
100
110
120
130
140
150
160
170
Right In: 2.181+/-0.406 χ²/NDF: 39.0/16
Left Out: -8.752+/-0.161 χ²/NDF:385.1/18
Right Out: 2.731+/-0.388 χ²/NDF: 58.9/18
Left In: -9.127+/-0.160 χ²/NDF:678.4/17
Left: -8.941+/-0.113 χ²/NDF: 1066.2/36
Right: 2.468+/-0.280 χ²/NDF: 98.9/35
In: -7.605+/-0.149 χ²/NDF:1389.9/34
Out: -7.065+/-0.149 χ²/NDF:1191.3/37
All: -7.335+/-0.105 χ²/NDF: 2587.9/72



Right In: -32.682+/-0.256 χ^2/NDF: 4646.9/16

Left Out: -38.105+/-0.136 χ^2/NDF:846.6/18

Right Out: -32.523+/-0.244 χ^2/NDF: 6045.3/18

Left In: -37.614+/-0.139 χ^2/NDF:989.9/17

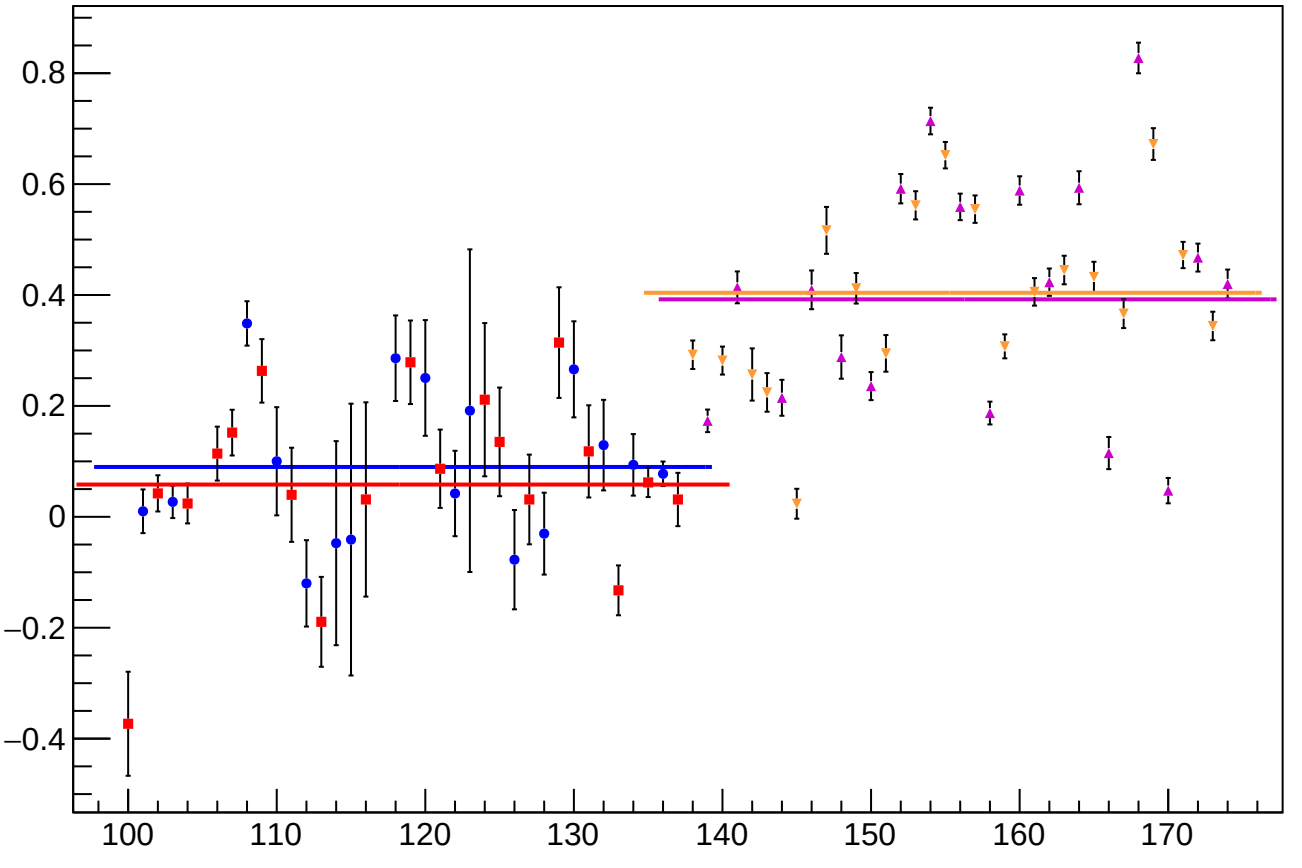
Left: -37.864+/-0.097 χ^2/NDF: 1842.8/36

Right: -32.599+/-0.177 χ^2/NDF: 10692.4/35

In: -36.491+/-0.122 χ^2/NDF:5923.8/34

Out: -36.776+/-0.119 χ^2/NDF:7290.7/37

All: -36.637+/-0.085 χ^2/NDF: 13217.4/72



Right In: 0.090+/-0.013 χ^2/NDF: 78.8/16

Left Out: 0.404+/-0.006 χ^2/NDF:607.1/18

Right Out: 0.058+/-0.012 χ^2/NDF: 87.1/18

Left In: 0.392+/-0.006 χ^2/NDF:1258.8/17

Left: 0.398+/-0.004 χ^2/NDF: 1867.7/36

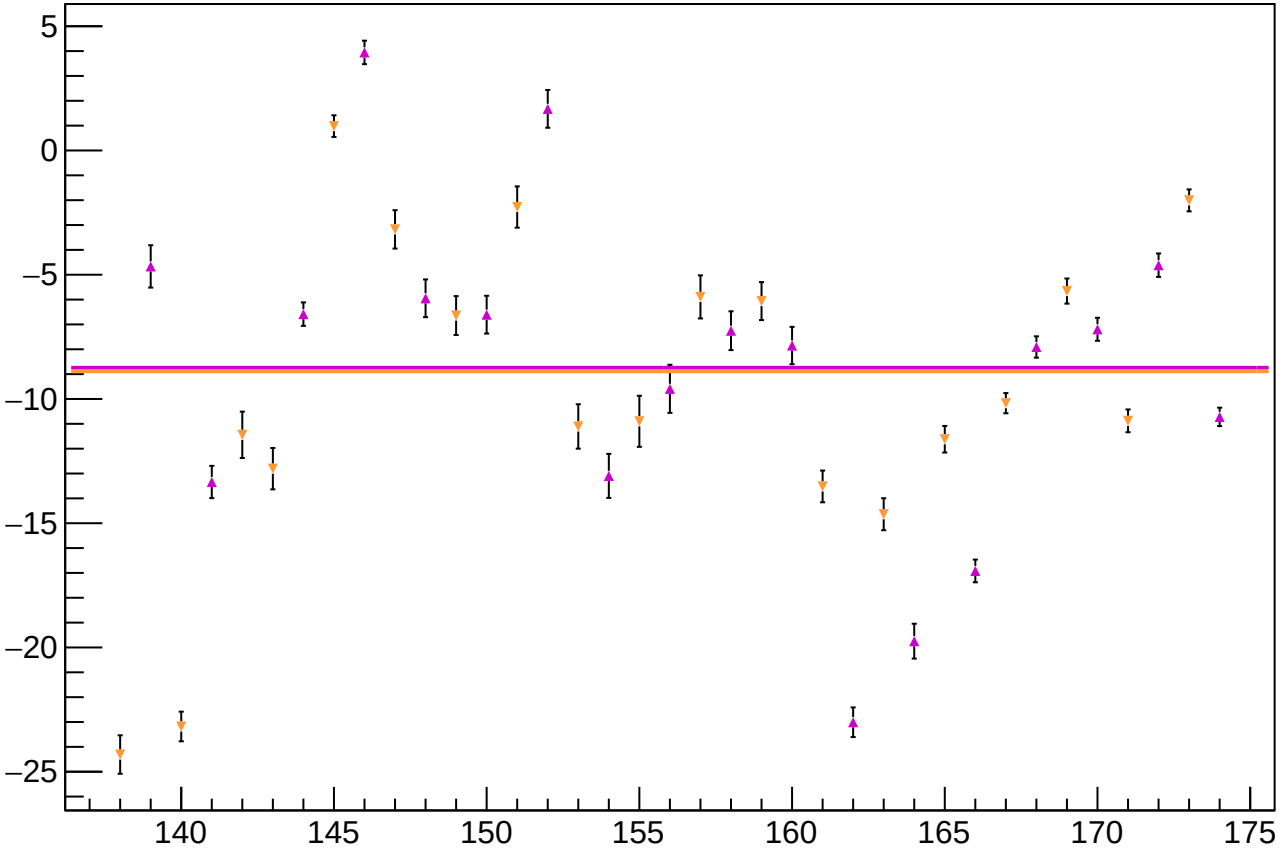
Right: 0.073+/-0.009 χ^2/NDF: 169.1/35

In: 0.335+/-0.006 χ^2/NDF:1794.5/34

Out: 0.333+/-0.006 χ^2/NDF:1335.6/37

All: 0.334+/-0.004 χ^2/NDF: 3130.1/72

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: -8.747+/-0.135 χ^2/NDF:2311.4/17

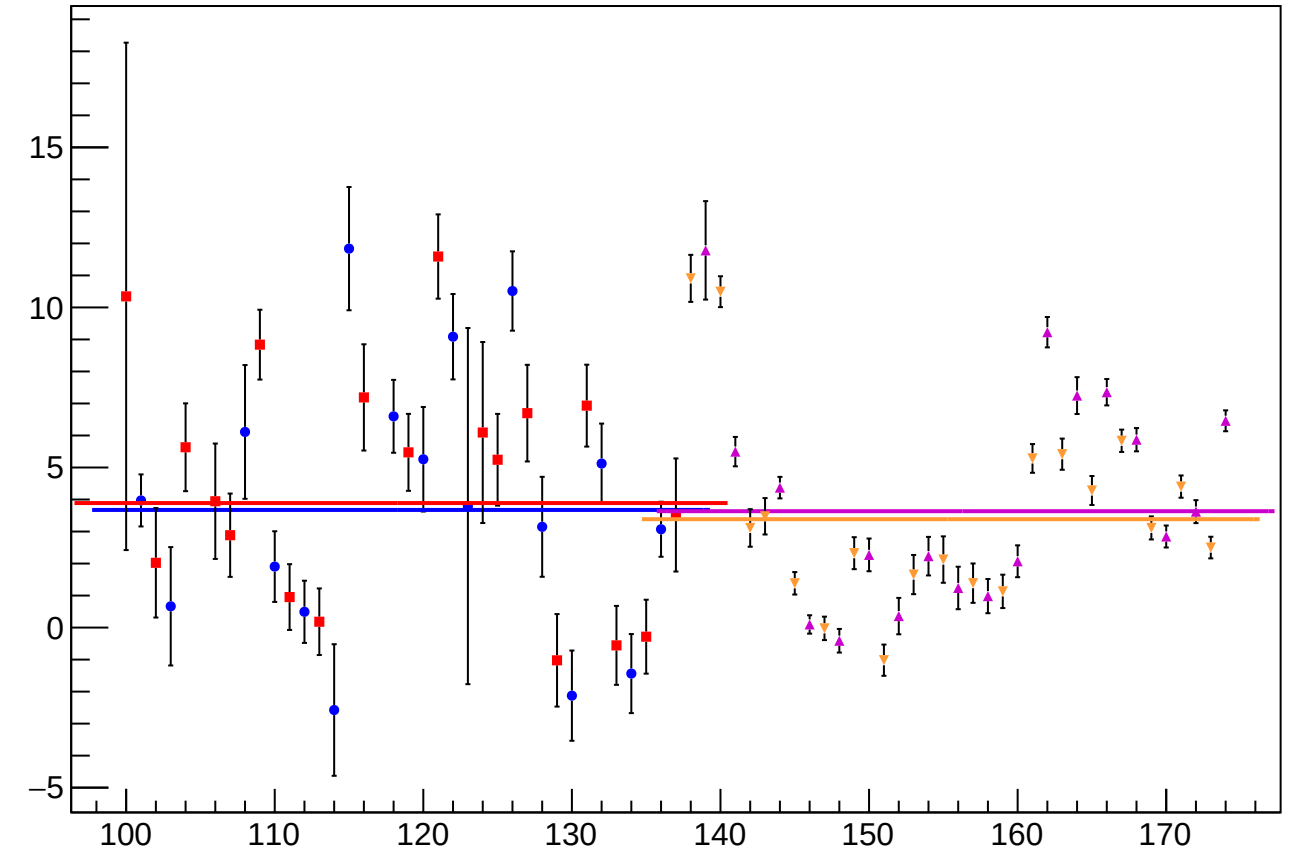
Left: -8.811+/-0.097 χ^2/NDF: 4456.1/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -8.747+/-0.135 χ^2/NDF:2311.4/17

Out: -8.882+/-0.141 χ^2/NDF:2144.2/18

All: -8.811+/-0.097 χ^2/NDF: 4456.1/36



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: 3.635+/-0.100 χ^2/NDF:791.8/17

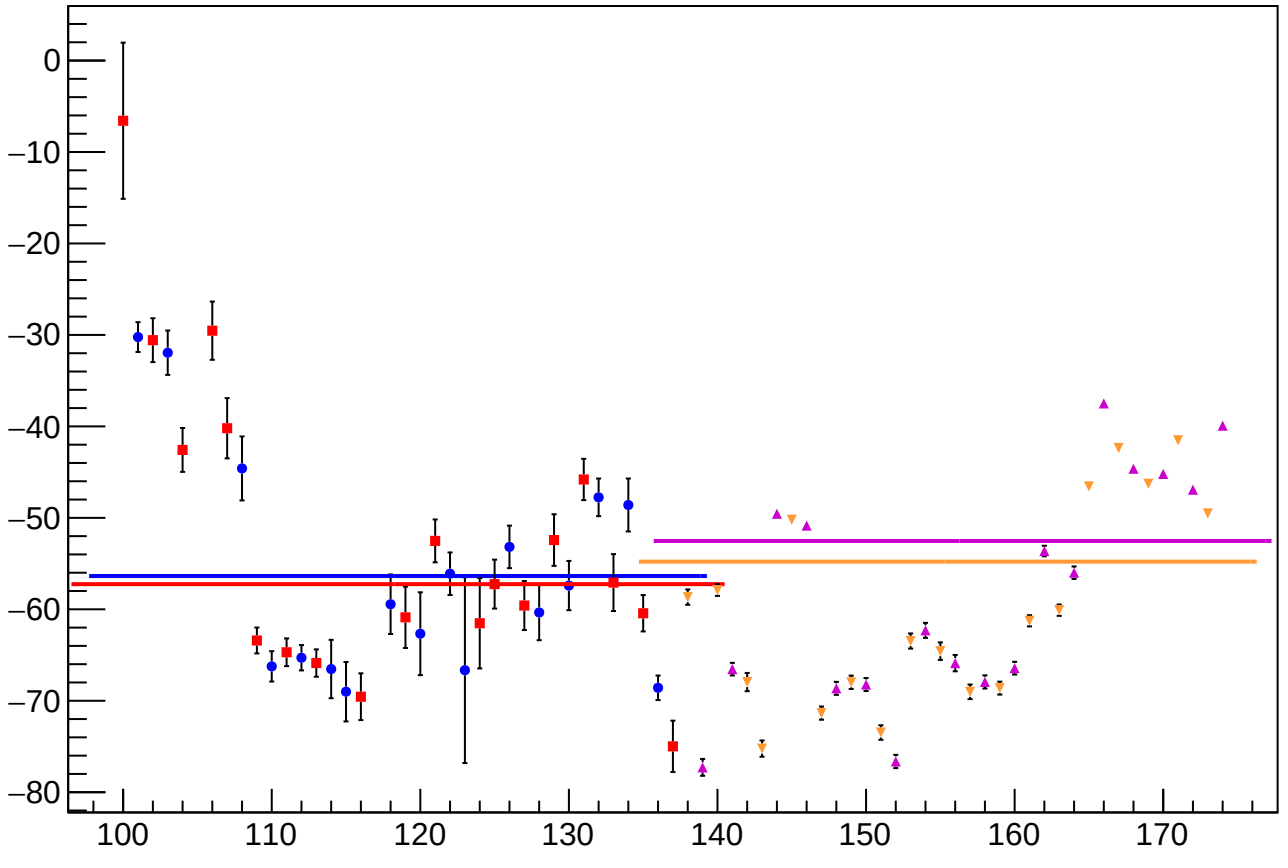
Left: 3.514+/-0.072 χ^2/NDF: 1467.3/36

Right: 3.780+/-0.221 χ^2/NDF: 269.1/35

In: 3.639+/-0.095 χ^2/NDF:927.0/34

Out: 3.434+/-0.098 χ^2/NDF:808.5/37

All: 3.539+/-0.068 χ^2/NDF: 1737.7/72



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: -52.528+/-0.135 χ^2/NDF:7263.9/17

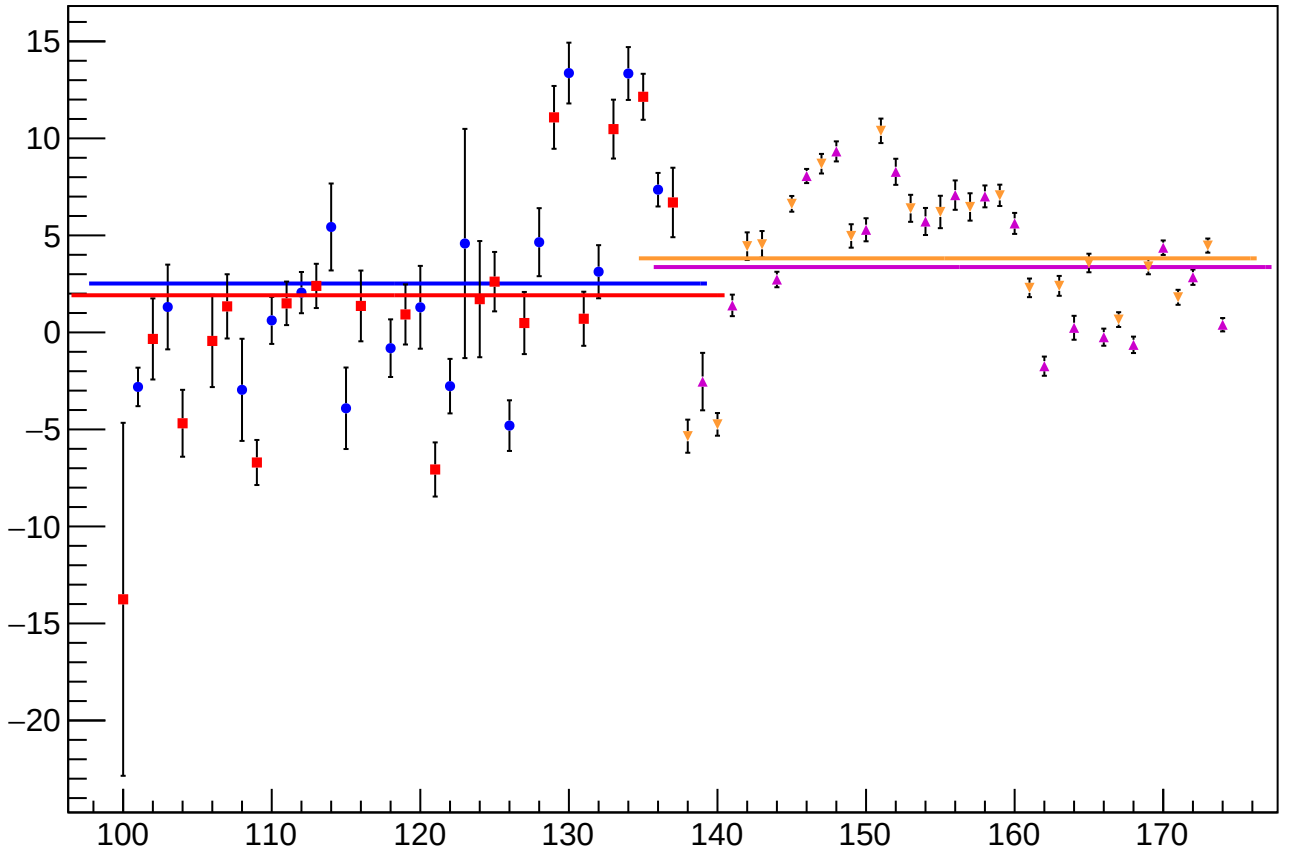
Left: -53.608+/-0.098 χ^2/NDF: 13118.5/36

Right: -56.813+/-0.382 χ^2/NDF: 1064.6/35

In: -52.752+/-0.131 χ^2/NDF:7898.0/34

Out: -54.947+/-0.136 χ^2/NDF:6216.8/37

All: -53.805+/-0.095 χ^2/NDF: 14249.3/72



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: 3.368+/-0.115 χ^2/NDF:860.5/17

Left: 3.587+/-0.082 χ^2/NDF: 1641.9/36

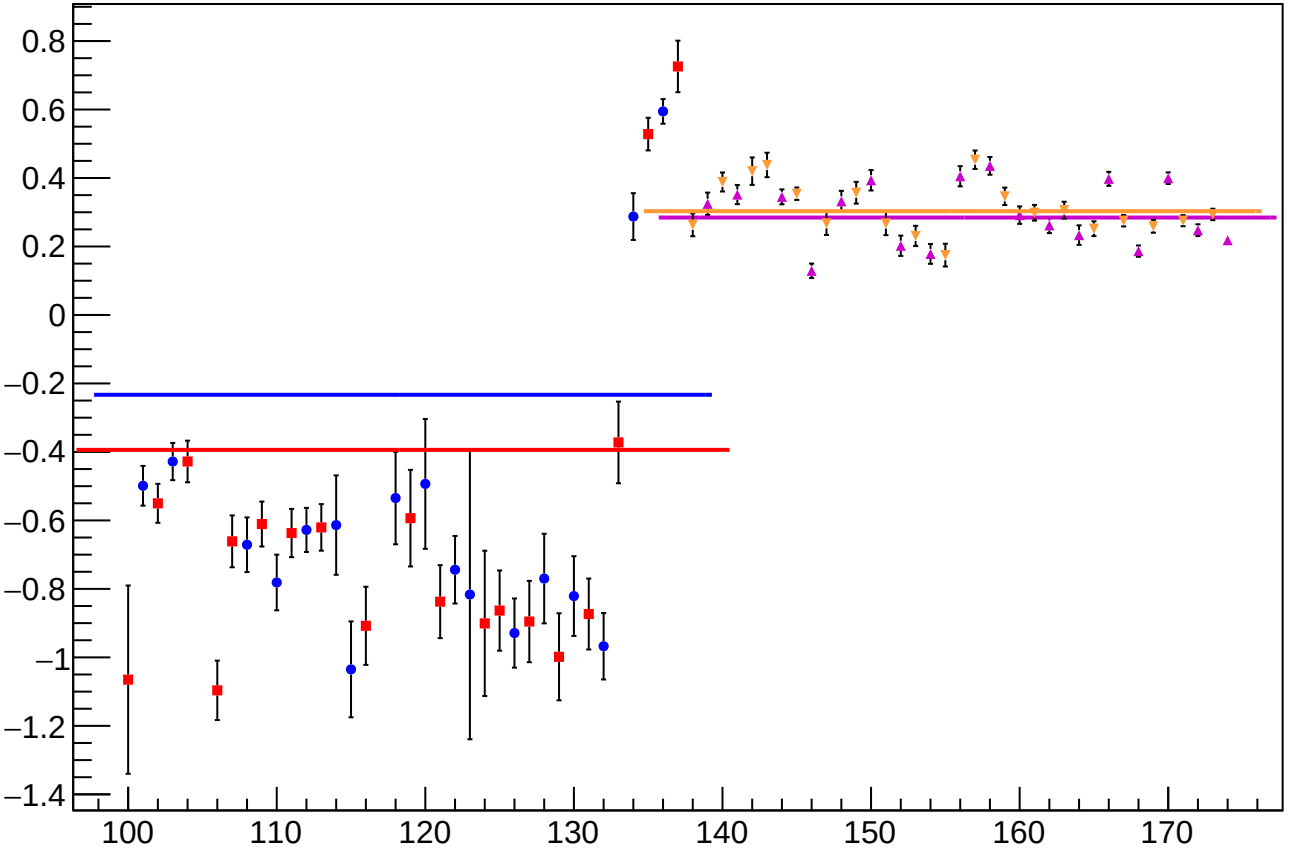
Right: 2.224+/-0.248 χ^2/NDF: 508.4/35

In: 3.285+/-0.109 χ^2/NDF:1108.3/34

Out: 3.629+/-0.112 χ^2/NDF:1064.3/37

All: 3.452+/-0.078 χ^2/NDF: 2177.5/72

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: 0.285+/-0.005 χ^2/NDF:298.0/17

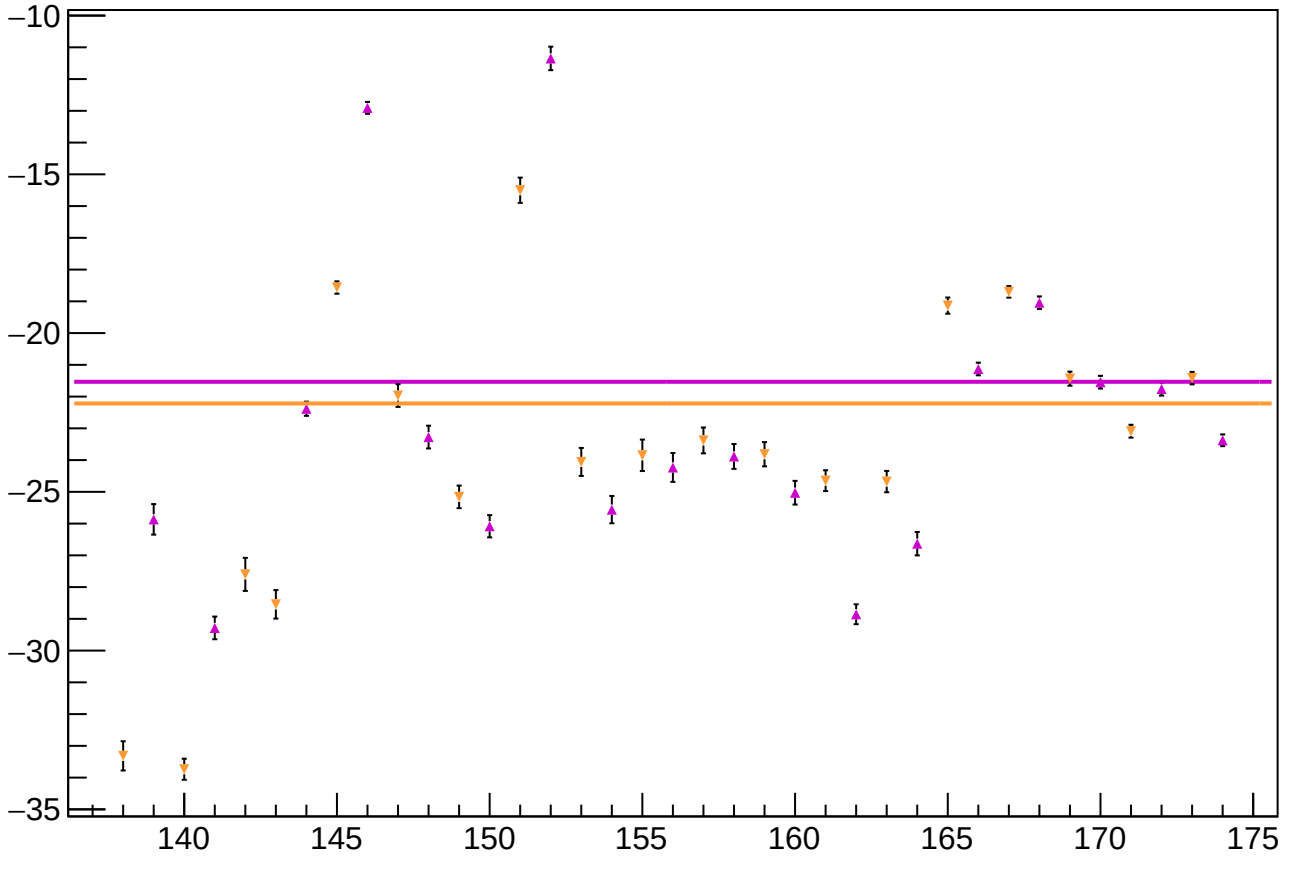
Left: 0.294+/-0.004 χ^2/NDF: 422.8/36

Right: -0.313+/-0.013 χ^2/NDF: 1838.0/35

In: 0.247+/-0.005 χ^2/NDF:1950.7/34

Out: 0.250+/-0.005 χ^2/NDF:2209.3/37

All: 0.249+/-0.004 χ^2/NDF: 4160.2/72



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: -21.533+/-0.063 χ^2/NDF:4884.9/17

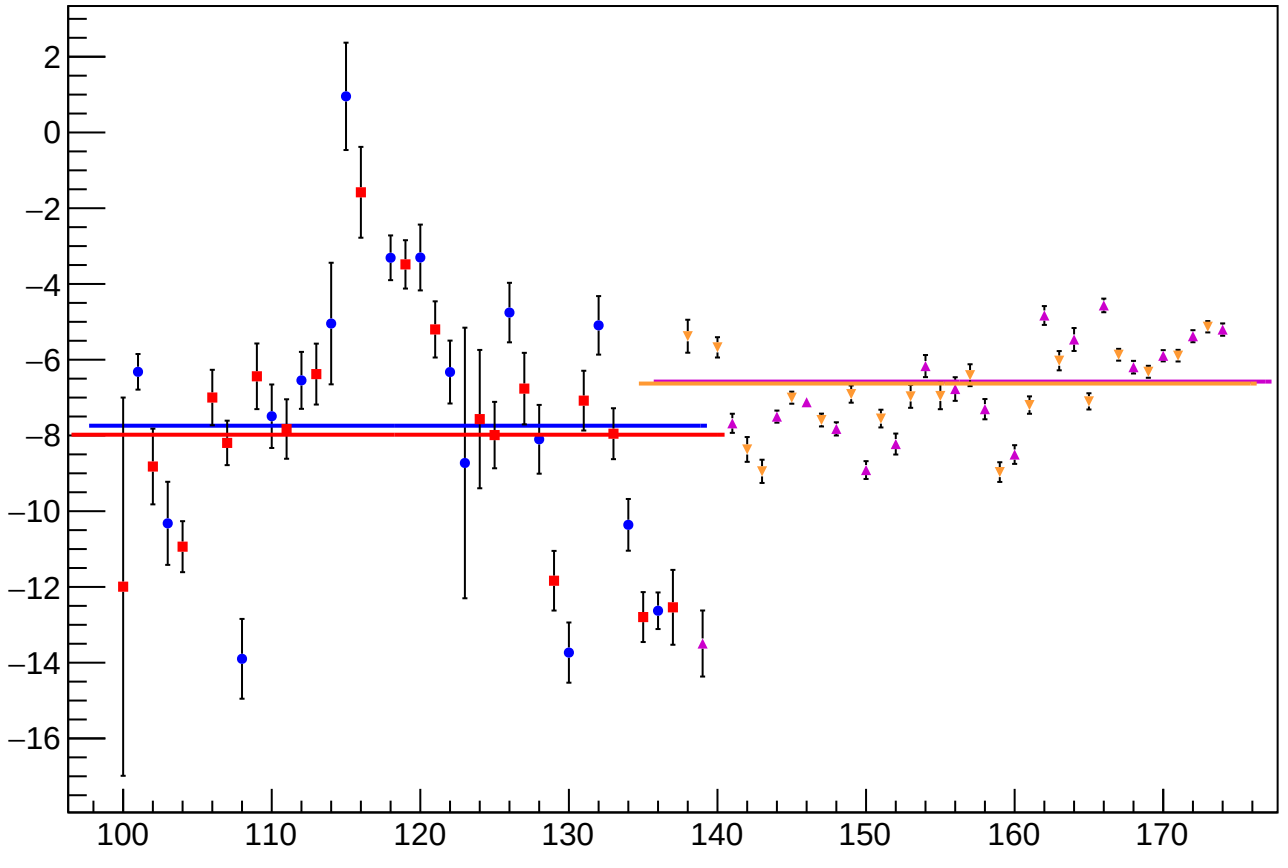
Left: -21.857+/-0.046 χ^2/NDF: 8468.6/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -21.533+/-0.063 χ^2/NDF:4884.9/17

Out: -22.217+/-0.066 χ^2/NDF:3527.7/18

All: -21.857+/-0.046 χ^2/NDF: 8468.6/36



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: -6.578+/-0.047 χ^2/NDF:734.5/17

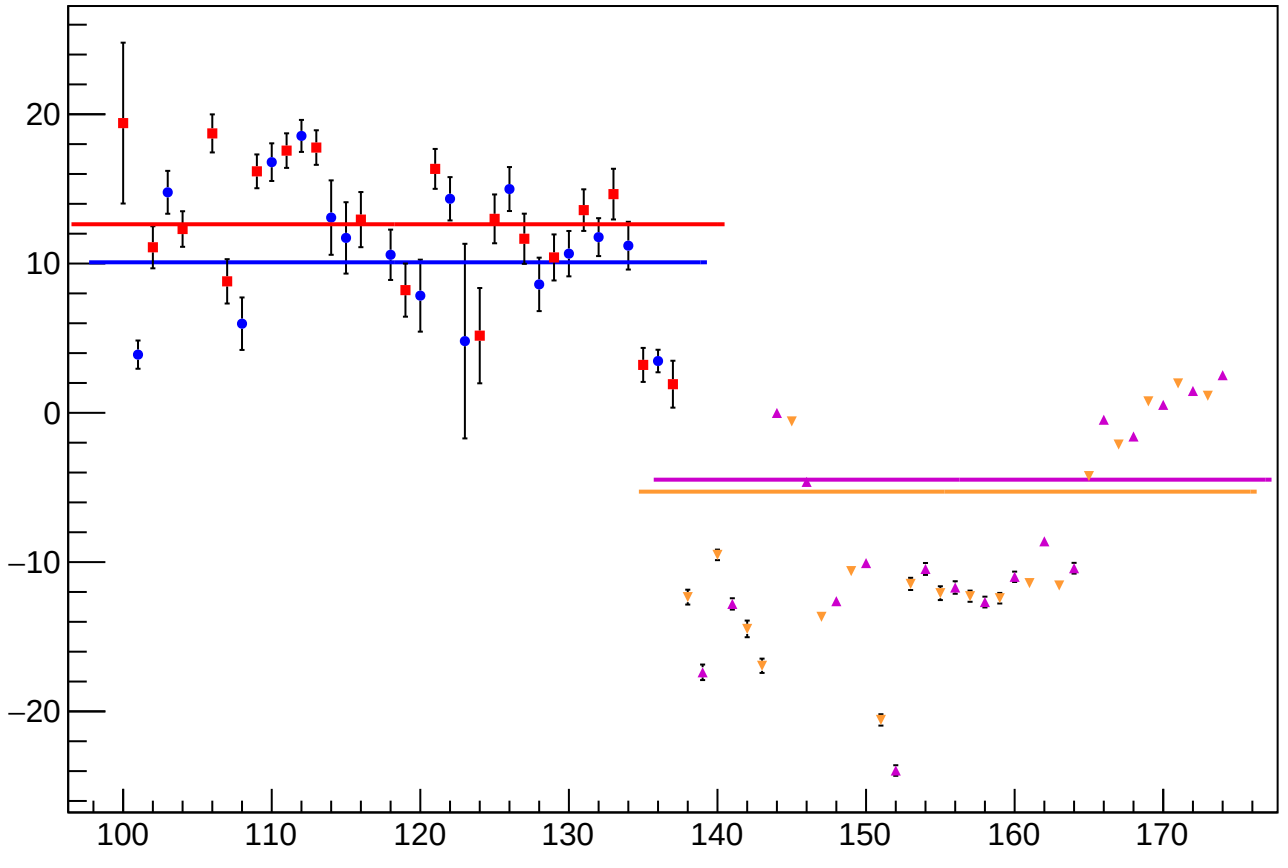
Left: -6.603+/-0.034 χ^2/NDF: 1147.1/36

Right: -7.863+/-0.132 χ^2/NDF: 601.9/35

In: -6.646+/-0.045 χ^2/NDF:1148.5/34

Out: -6.717+/-0.047 χ^2/NDF:685.0/37

All: -6.680+/-0.033 χ^2/NDF: 1834.7/72



Right In: 10.083+/-0.338 χ^2/NDF: 252.7/16

Left Out: -5.280+/-0.066 χ^2/NDF:9490.2/18

Right Out: 12.632+/-0.333 χ^2/NDF: 218.6/18

Left In: -4.478+/-0.063 χ^2/NDF:10413.7/17

Left: -4.857+/-0.046 χ^2/NDF: 19980.6/36

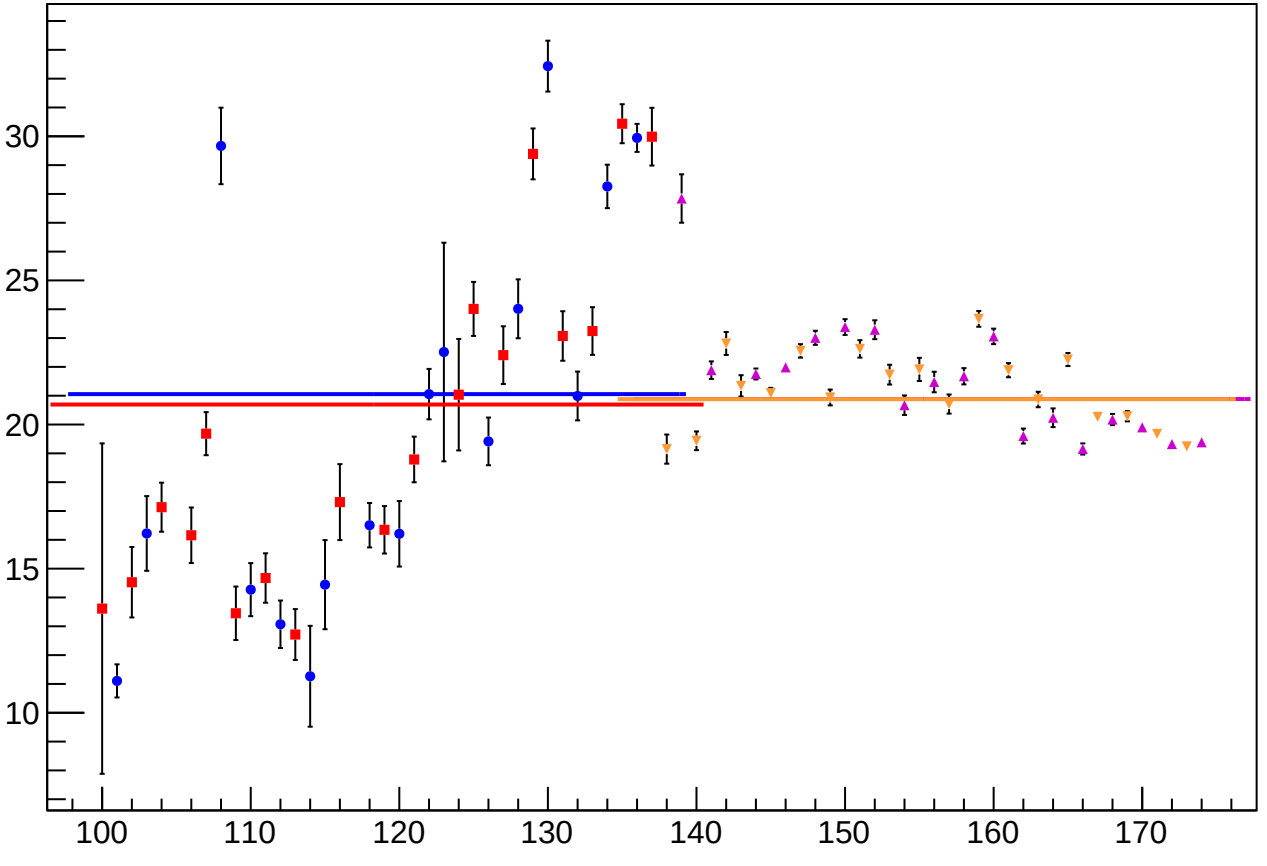
Right: 11.377+/-0.237 χ^2/NDF: 500.1/35

In: -3.990+/-0.062 χ^2/NDF:12460.9/34

Out: -4.592+/-0.065 χ^2/NDF:12496.5/37

All: -4.275+/-0.045 χ^2/NDF: 25002.3/72

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055+/-0.211 χ^2/NDF: 1211.8/16

Left Out: 20.881+/-0.055 χ^2/NDF:488.9/18

Right Out: 20.694+/-0.213 χ^2/NDF: 724.1/18

Left In: 20.884+/-0.053 χ^2/NDF:761.1/17

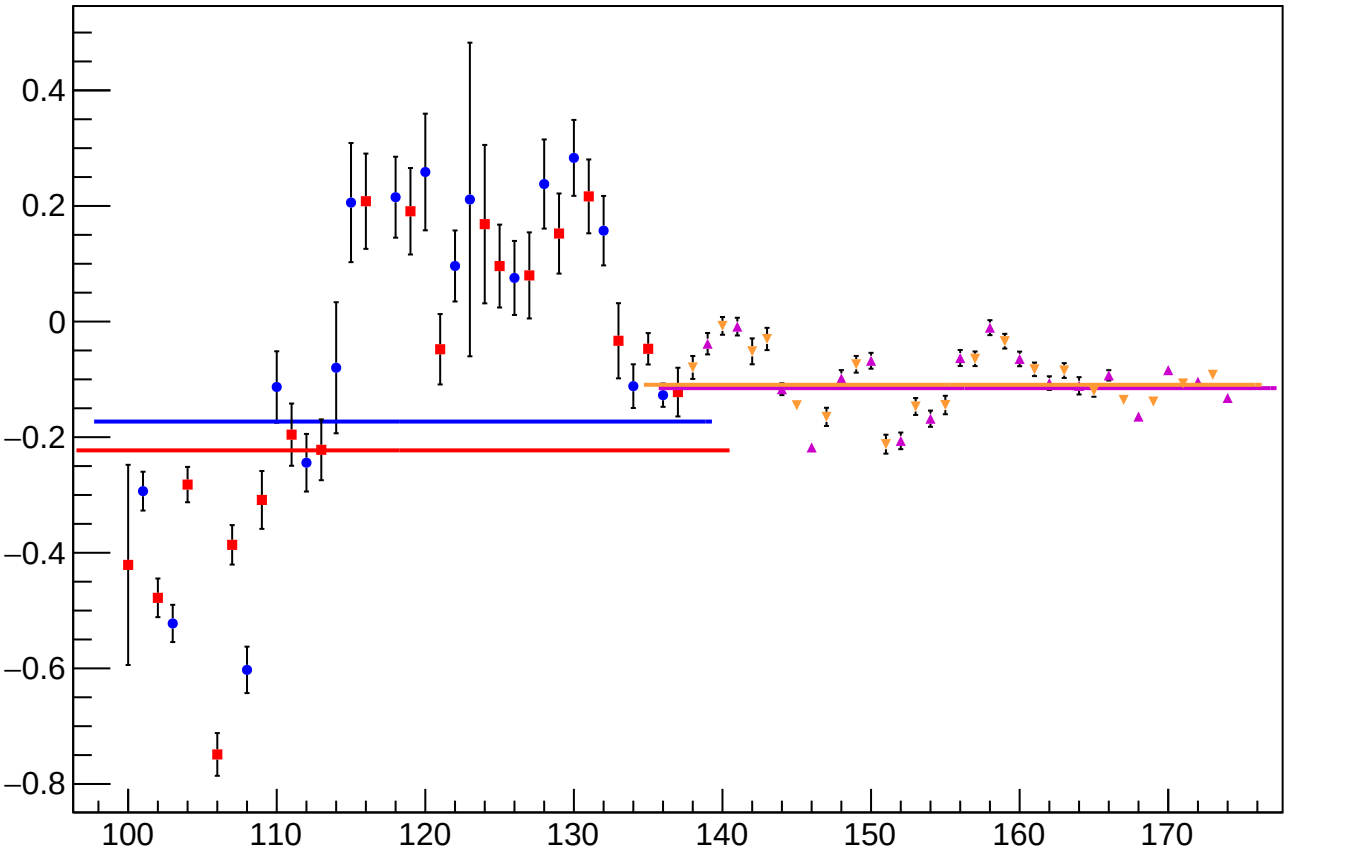
Left: 20.883+/-0.038 χ^2/NDF: 1250.0/36

Right: 20.876+/-0.150 χ^2/NDF: 1937.3/35

In: 20.895+/-0.052 χ^2/NDF:1973.5/34

Out: 20.869+/-0.054 χ^2/NDF:1213.7/37

All: 20.882+/-0.037 χ^2/NDF: 3187.3/72



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: -0.115+/-0.002 χ^2/NDF:450.4/17

Left: -0.112+/-0.002 χ^2/NDF: 699.2/36

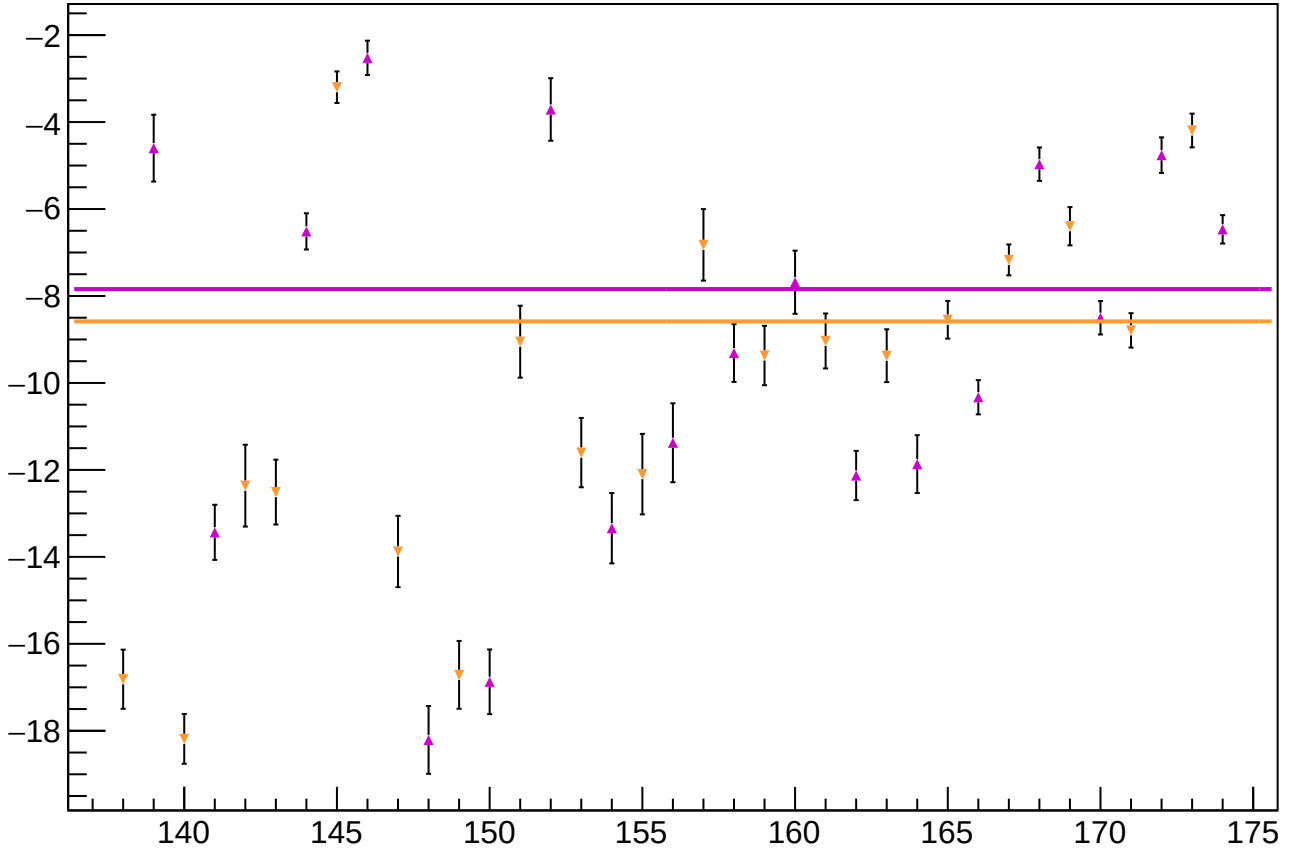
Right: -0.198+/-0.008 χ^2/NDF: 1007.1/35

In: -0.118+/-0.002 χ^2/NDF:937.7/34

Out: -0.115+/-0.002 χ^2/NDF:882.9/37

All: -0.117+/-0.002 χ^2/NDF: 1821.2/72

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: -7.840+/-0.120 χ^2/NDF:978.7/17

Left: -8.195+/-0.087 χ^2/NDF: 2046.1/36

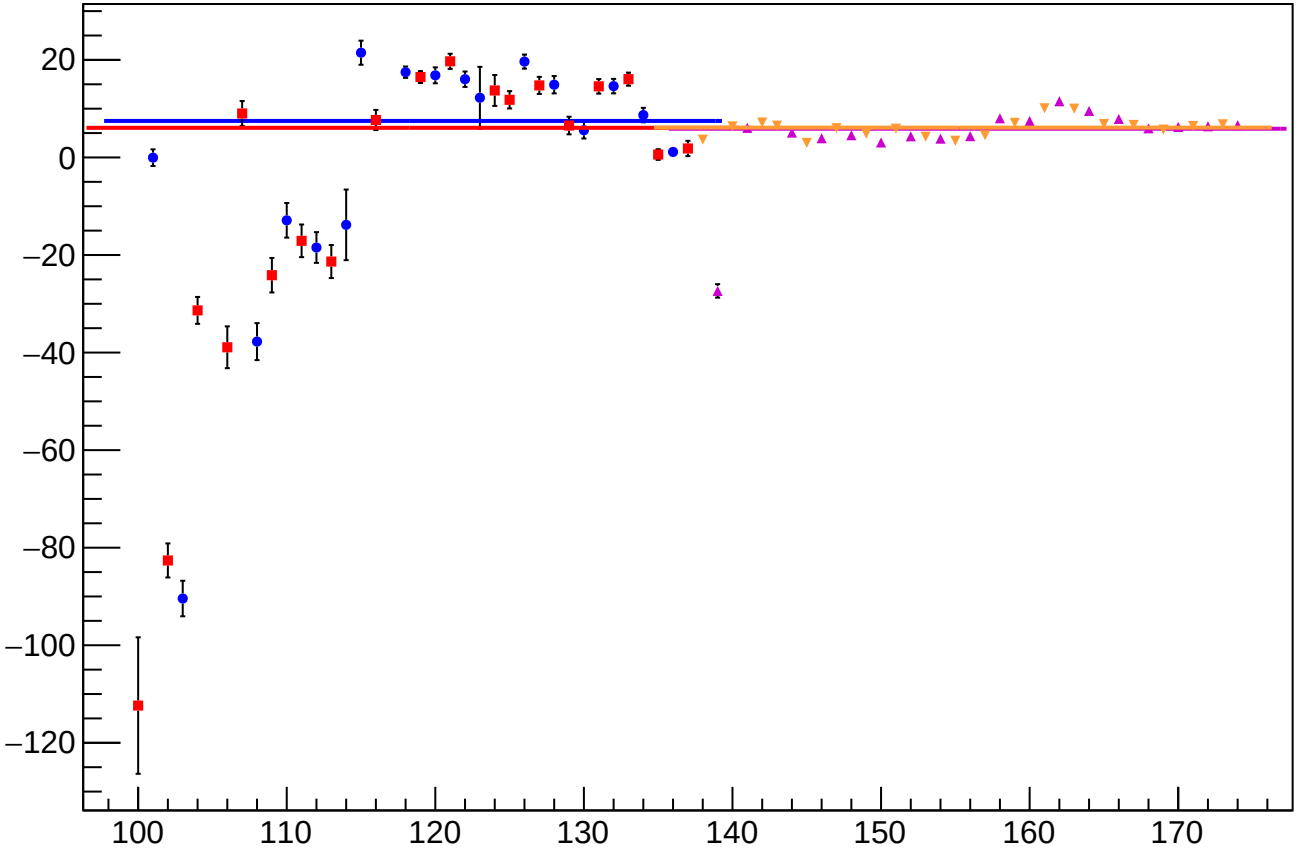
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -7.840+/-0.120 χ^2/NDF:978.7/17

Out: -8.584+/-0.126 χ^2/NDF:1049.0/18

All: -8.195+/-0.087 χ^2/NDF: 2046.1/36

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: 5.887+/-0.090 χ^2/NDF:994.6/17

Left: 6.000+/-0.065 χ^2/NDF: 1348.8/36

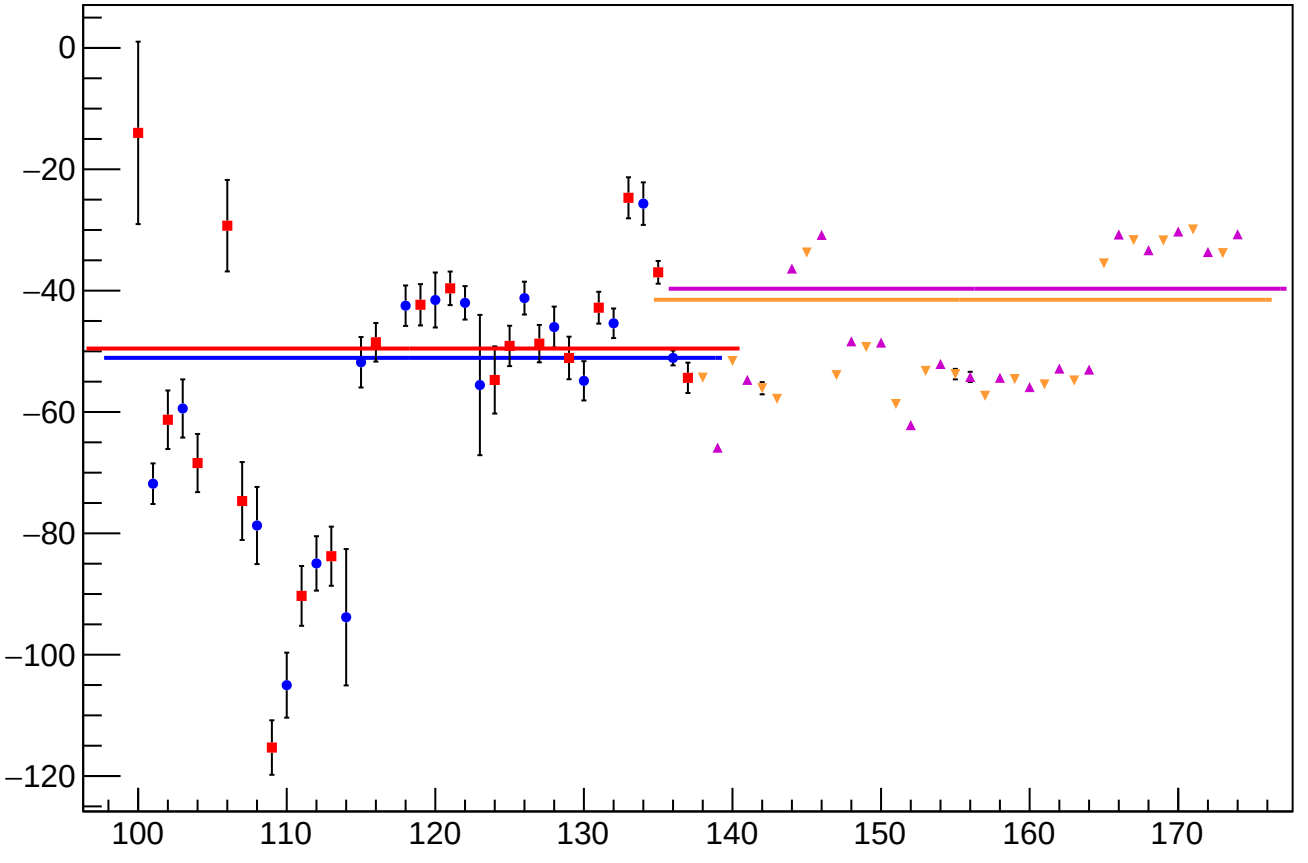
Right: 6.829+/-0.297 χ^2/NDF: 2858.2/35

In: 5.962+/-0.088 χ^2/NDF:2349.9/34

Out: 6.119+/-0.091 χ^2/NDF:1863.0/37

All: 6.038+/-0.063 χ^2/NDF: 4214.5/72

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: -39.686+/-0.121 χ^2/NDF:8404.9/17

Left: -40.551+/-0.087 χ^2/NDF: 15962.7/36

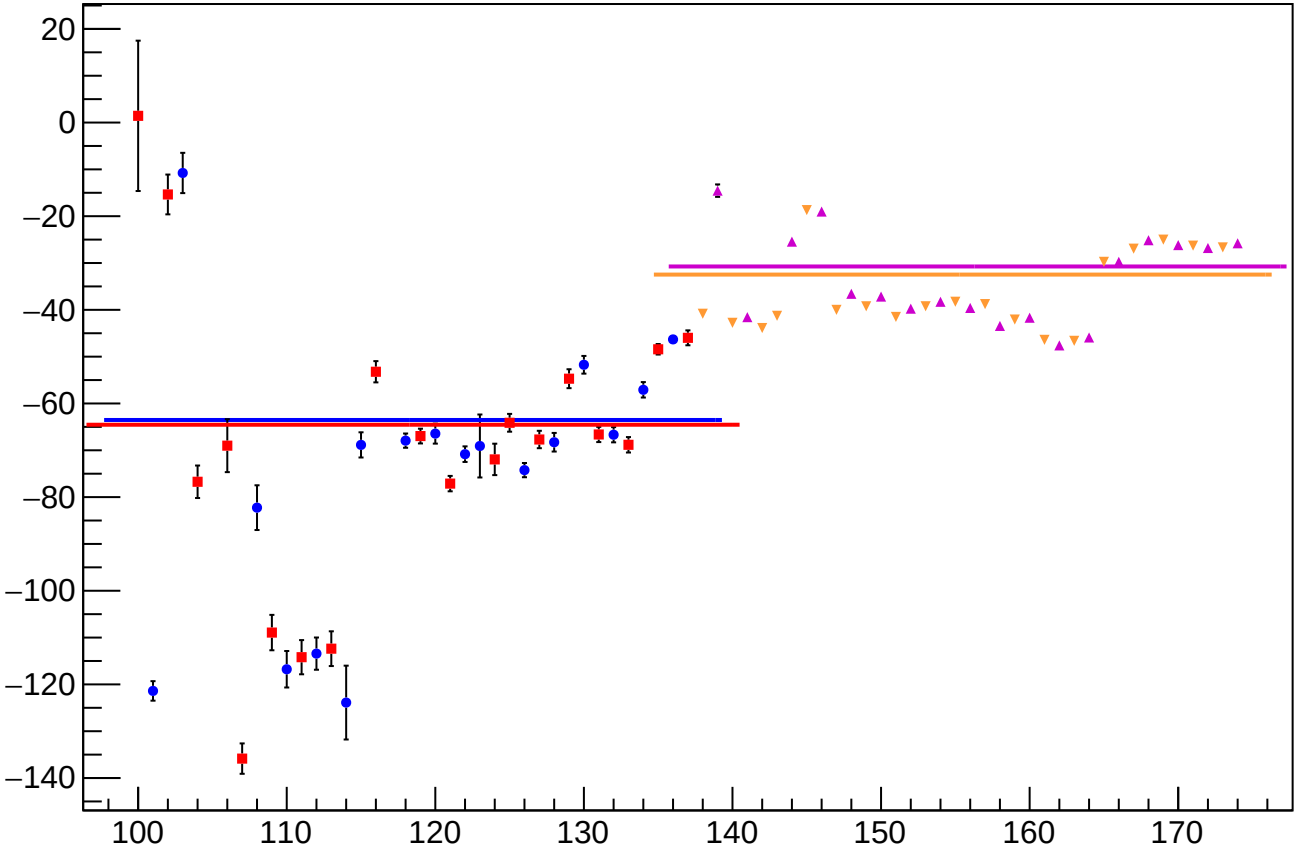
Right: -50.365+/-0.543 χ^2/NDF: 841.8/35

In: -39.980+/-0.119 χ^2/NDF:8965.4/34

Out: -41.698+/-0.125 χ^2/NDF:8058.2/37

All: -40.798+/-0.086 χ^2/NDF: 17122.8/72

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -63.525+/-0.449 χ^2/NDF: 2010.9/16

Left Out: -32.472+/-0.106 χ^2/NDF:6972.4/18

Right Out: -64.540+/-0.483 χ^2/NDF: 1603.1/18

Left In: -30.738+/-0.103 χ^2/NDF:6840.6/17

Left: -31.580+/-0.074 χ^2/NDF: 13951.1/36

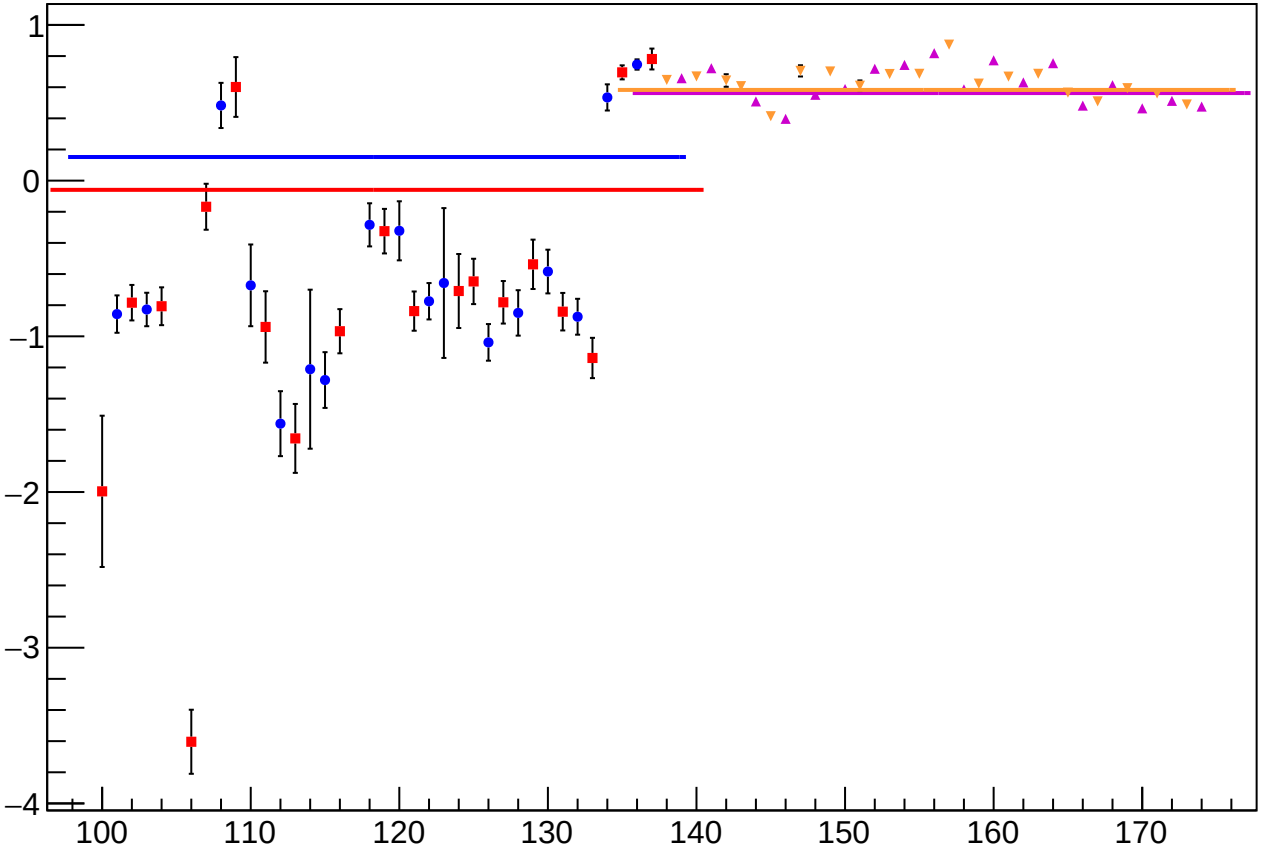
Right: -63.995+/-0.329 χ^2/NDF: 3616.4/35

In: -32.373+/-0.100 χ^2/NDF:13925.4/34

Out: -33.940+/-0.103 χ^2/NDF:12782.4/37

All: -33.132+/-0.072 χ^2/NDF: 26826.3/72

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: 0.562+/-0.005 χ^2/NDF:575.3/17

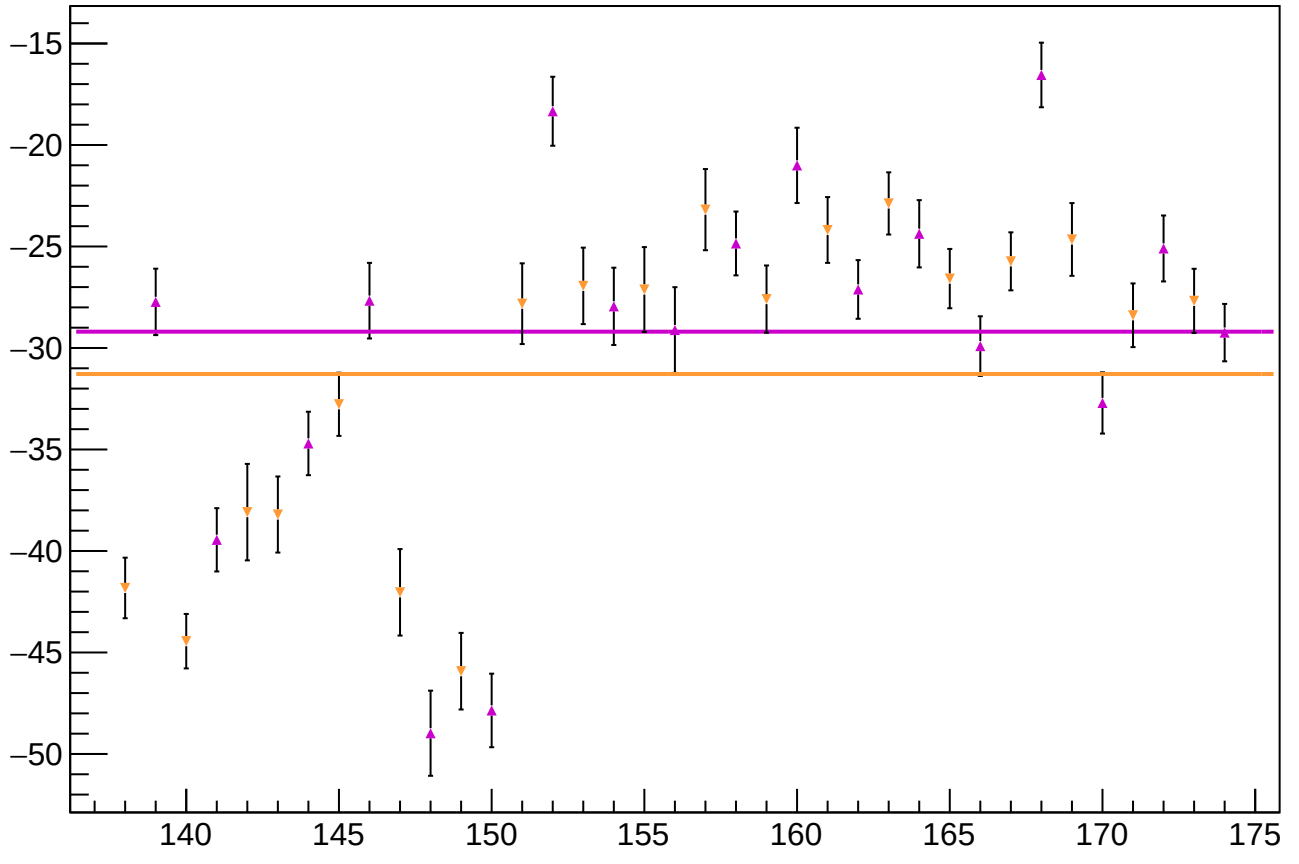
Left: 0.572+/-0.003 χ^2/NDF: 1016.2/36

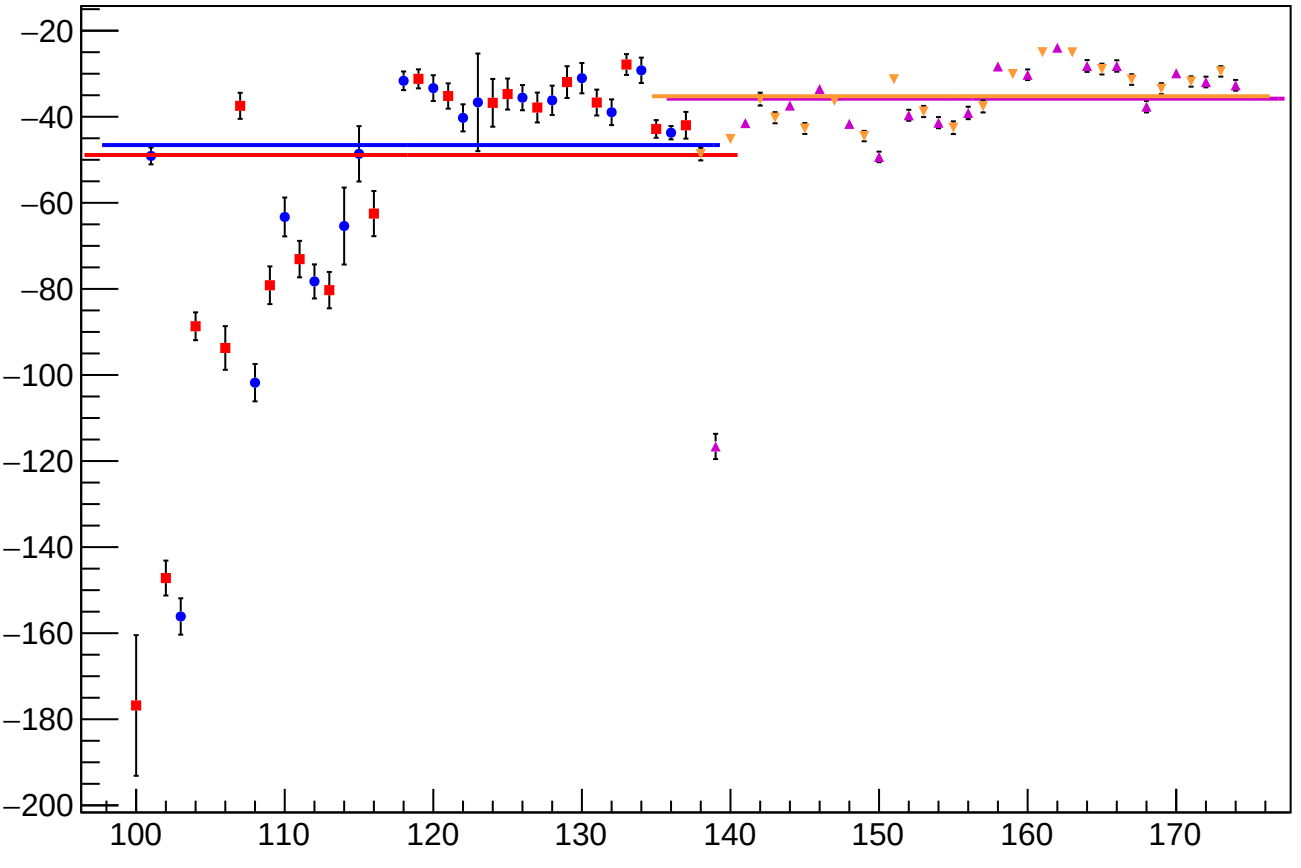
Right: 0.056+/-0.018 χ^2/NDF: 2184.3/35

In: 0.547+/-0.005 χ^2/NDF:1843.9/34

Out: 0.561+/-0.005 χ^2/NDF:2170.1/37

All: 0.554+/-0.003 χ^2/NDF: 4018.5/72


reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected
−15
−20
−25
−30
−35
−40
−45
−50
140
145
150
155
160
165
170
175
Right In: 0.000+/-0.000 χ²/NDF: 0.0/0
Left Out: -31.283+/-0.388 χ²/NDF:385.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 0.0/0
Left In: -29.197+/-0.390 χ²/NDF:406.3/17
Left: -30.245+/-0.275 χ²/NDF: 805.9/36
Right: 0.000+/-0.000 χ²/NDF: 0.0/0
In: -29.197+/-0.390 χ²/NDF:406.3/17
Out: -31.283+/-0.388 χ²/NDF:385.2/18
All: -30.245+/-0.275 χ²/NDF: 805.9/36



Right In: -46.579+/-0.730 χ^2/NDF: 1076.4/16

Left Out: -35.232+/-0.283 χ^2/NDF:566.3/18

Right Out: -48.888+/-0.763 χ^2/NDF: 1277.5/18

Left In: -35.796+/-0.291 χ^2/NDF:1262.2/17

Left: -35.506+/-0.203 χ^2/NDF: 1830.5/36

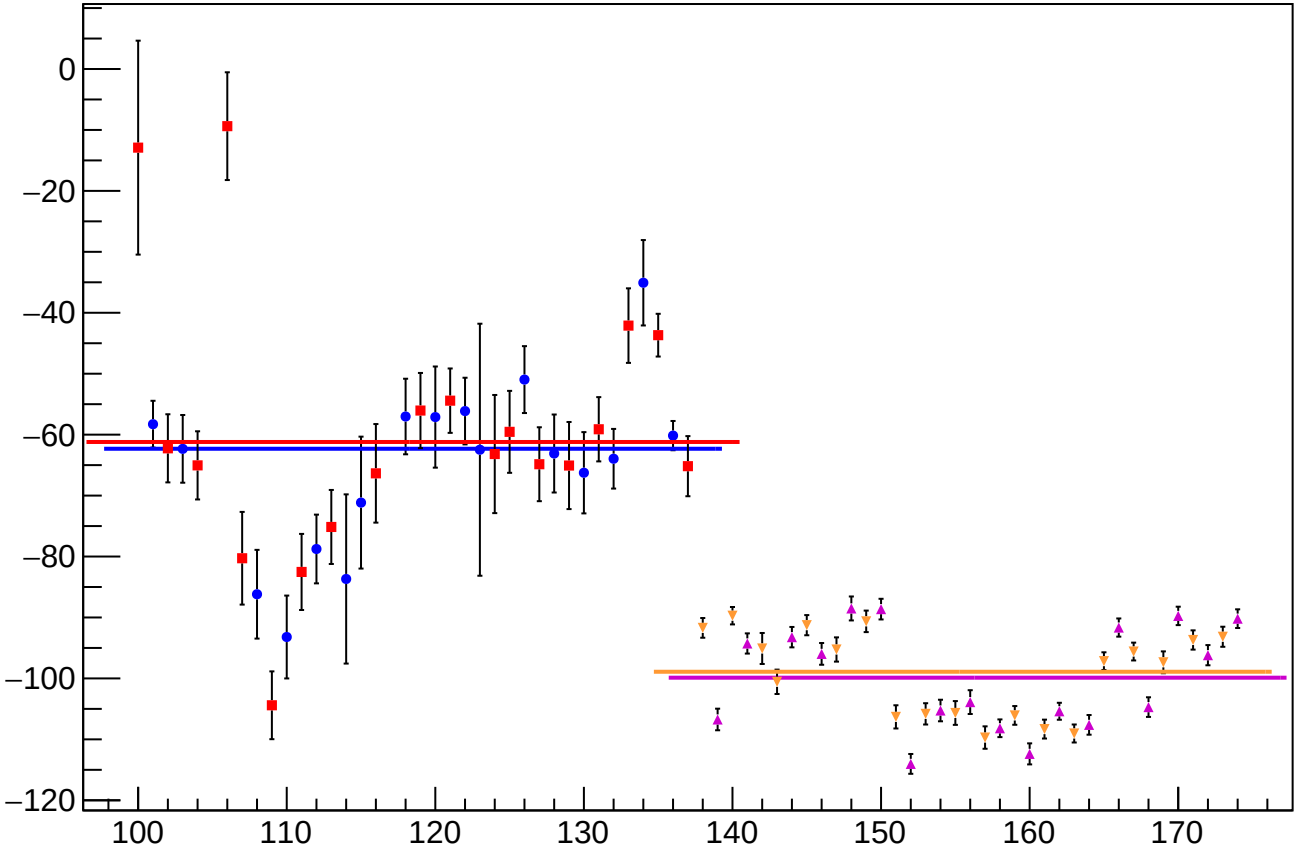
Right: -47.681+/-0.527 χ^2/NDF: 2358.7/35

In: -37.277+/-0.270 χ^2/NDF:2527.0/34

Out: -36.883+/-0.266 χ^2/NDF:2125.1/37

All: -37.077+/-0.189 χ^2/NDF: 4653.2/72

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315+/-1.316 χ^2/NDF: 67.1/16

Left Out: -98.907+/-0.386 χ^2/NDF:324.2/18

Right Out: -61.203+/-1.381 χ^2/NDF: 165.0/18

Left In: -99.882+/-0.387 χ^2/NDF:466.7/17

Left: -99.394+/-0.273 χ^2/NDF: 794.1/36

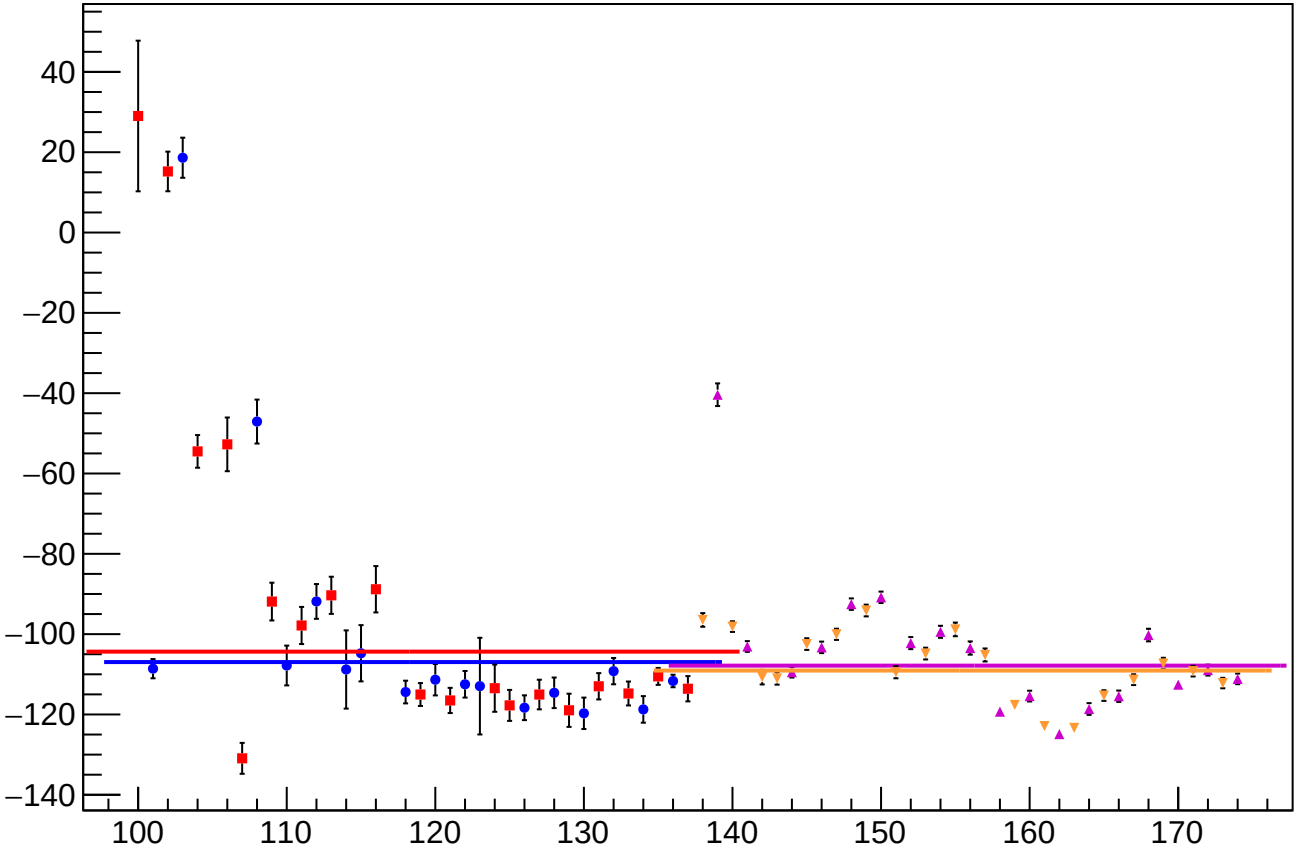
Right: -61.786+/-0.953 χ^2/NDF: 232.5/35

In: -96.896+/-0.371 χ^2/NDF:1284.4/34

Out: -96.170+/-0.372 χ^2/NDF:1180.5/37

All: -96.534+/-0.263 χ^2/NDF: 2466.8/72

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954+/-0.817 χ^2/NDF: 827.2/16

Left Out: -109.068+/-0.324 χ^2/NDF:692.1/18

Right Out: -104.356+/-0.861 χ^2/NDF: 1021.0/18

Left In: -107.841+/-0.331 χ^2/NDF:1369.9/17

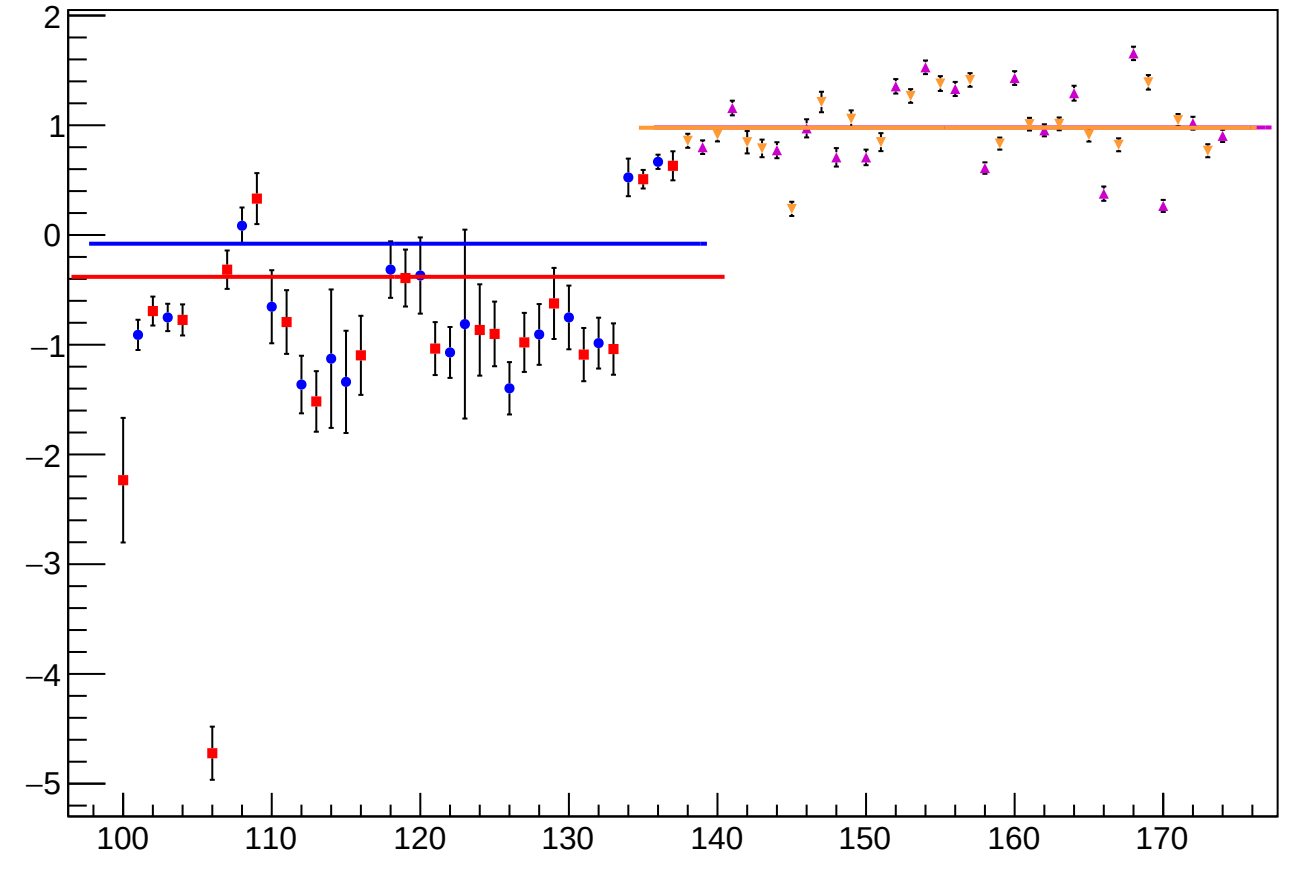
Left: -108.467+/-0.231 χ^2/NDF: 2069.0/36

Right: -105.723+/-0.593 χ^2/NDF: 1853.0/35

In: -107.717+/-0.306 χ^2/NDF:2198.1/34

Out: -108.483+/-0.303 χ^2/NDF:1739.3/37

All: -108.104+/-0.216 χ^2/NDF: 3940.6/72



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: 0.980+/-0.015 χ^2/NDF:689.1/17

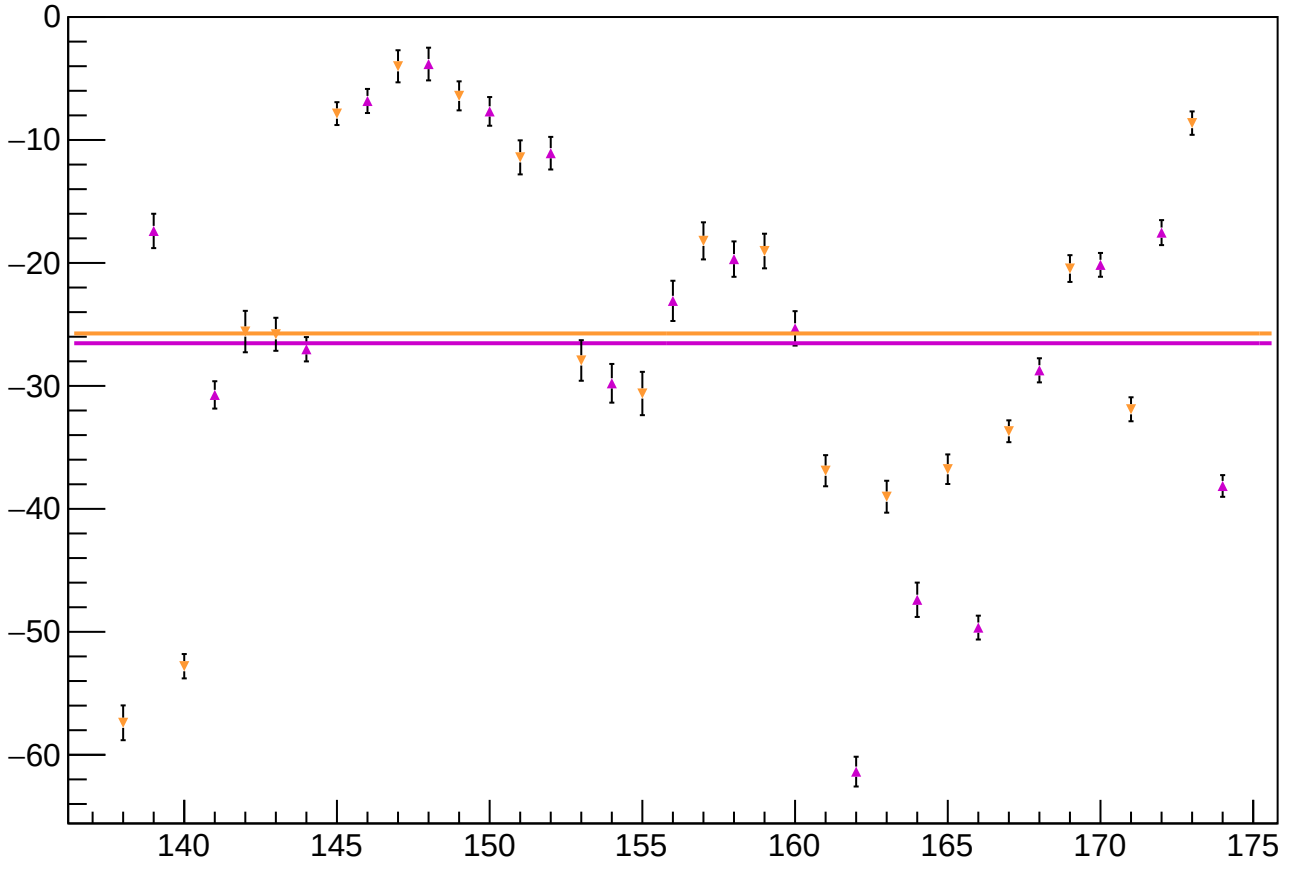
Left: 0.979+/-0.011 χ^2/NDF: 1015.4/36

Right: -0.224+/-0.030 χ^2/NDF: 933.5/35

In: 0.862+/-0.014 χ^2/NDF:1576.1/34

Out: 0.837+/-0.014 χ^2/NDF:1761.2/37

All: 0.850+/-0.010 χ^2/NDF: 3338.9/72



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: -26.530+/-0.271 χ^2/NDF:3100.4/17

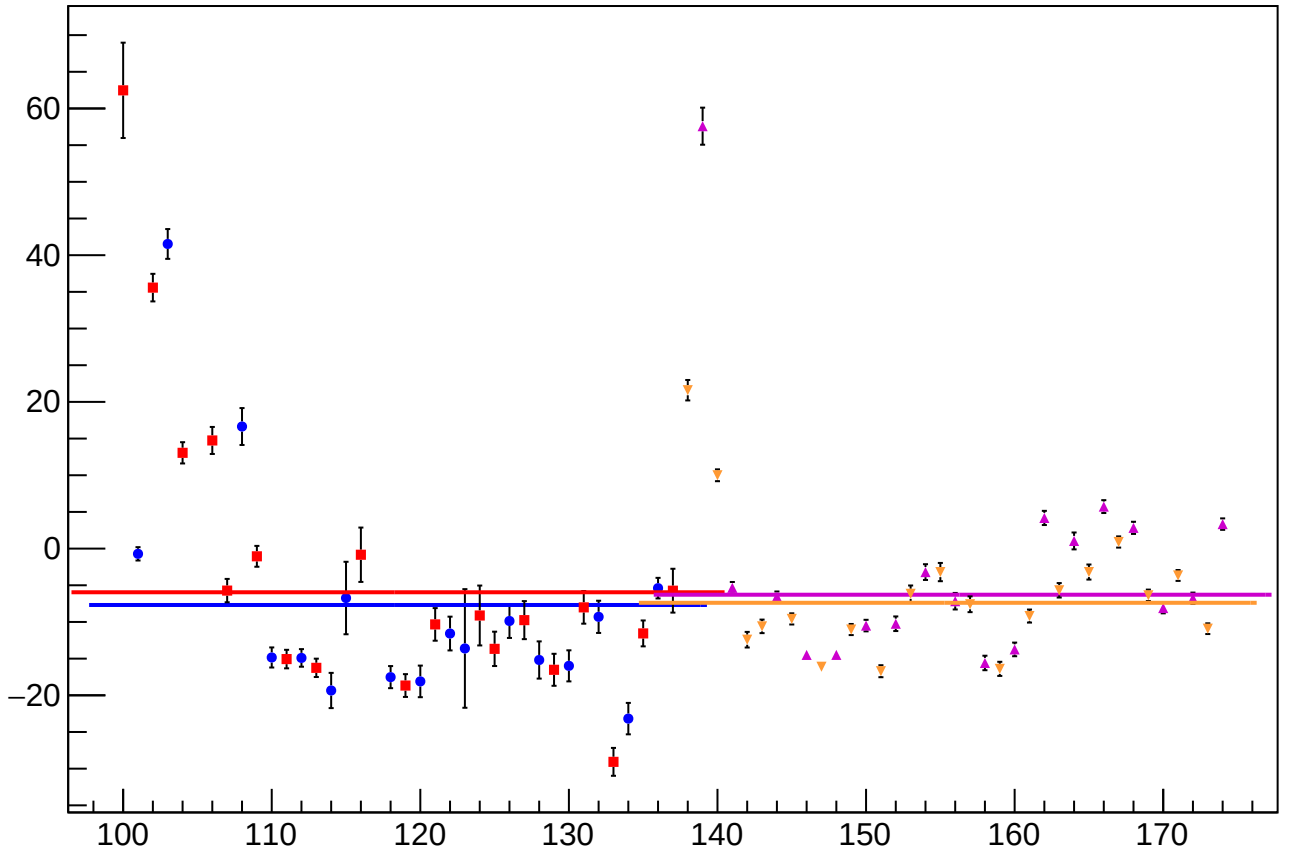
Left: -26.138+/-0.193 χ^2/NDF: 6165.1/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -26.530+/-0.271 χ^2/NDF:3100.4/17

Out: -25.734+/-0.275 χ^2/NDF:3060.4/18

All: -26.138+/-0.193 χ^2/NDF: 6165.1/36



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: -6.288+/-0.200 χ^2/NDF:1808.6/17

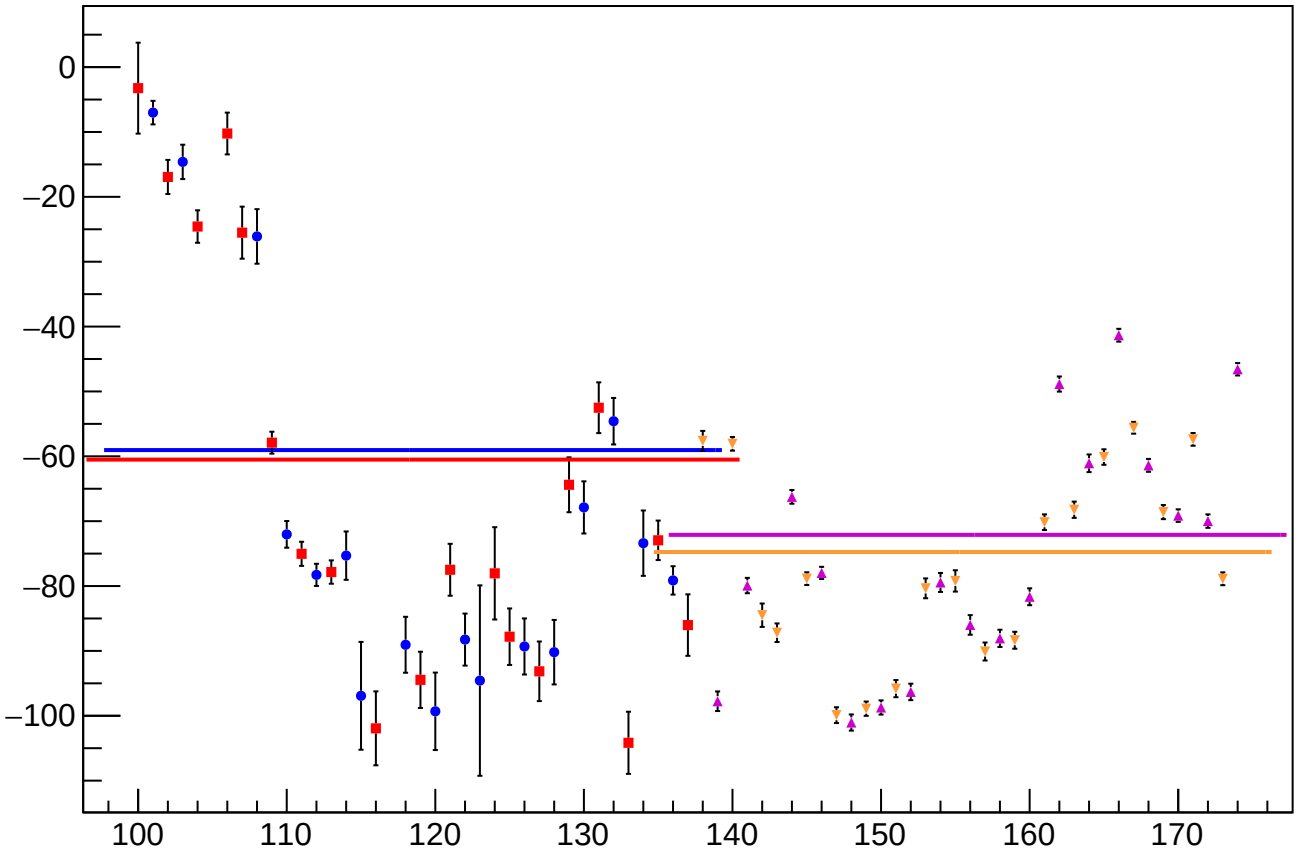
Left: -6.841+/-0.141 χ^2/NDF: 3402.3/36

Right: -6.817+/-0.304 χ^2/NDF: 2282.2/35

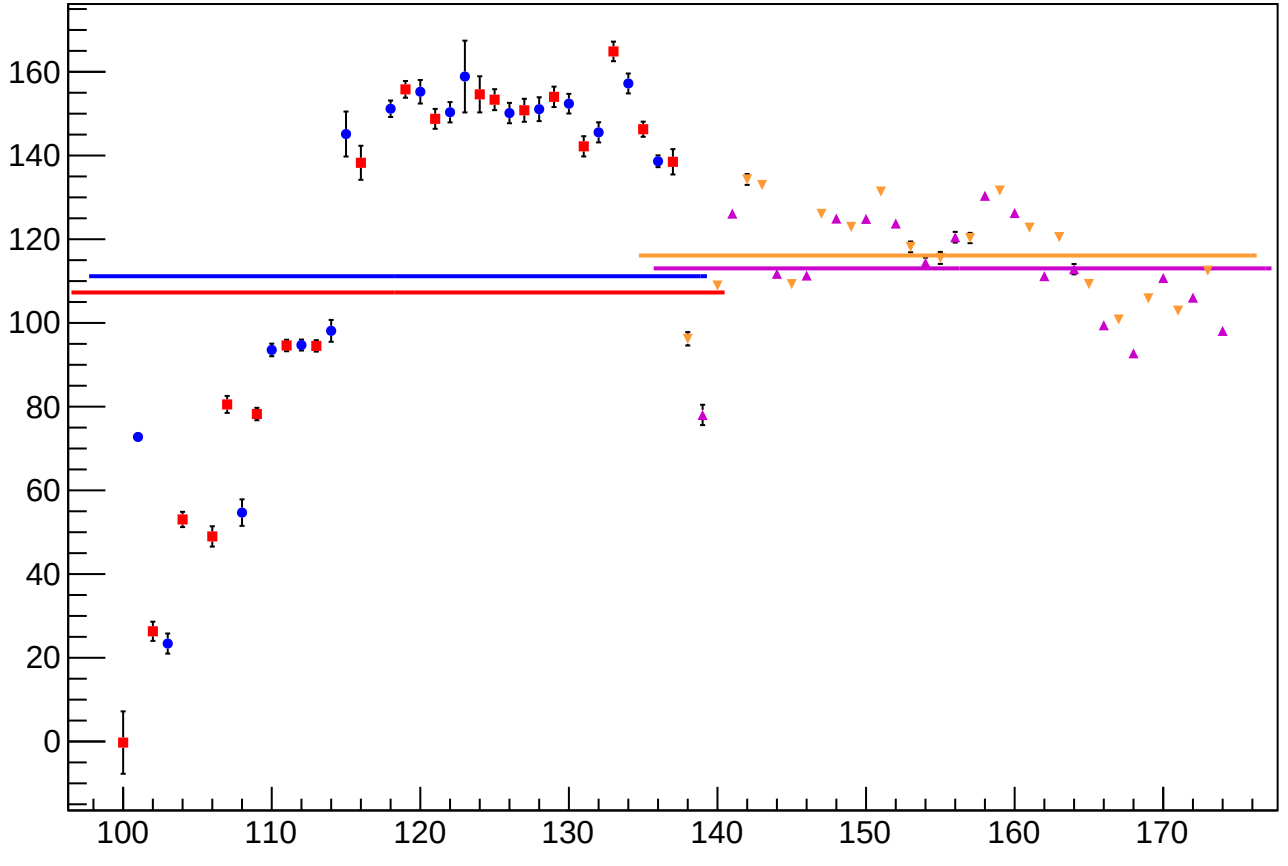
In: -6.536+/-0.181 χ^2/NDF:2793.3/34

Out: -7.134+/-0.180 χ^2/NDF:2885.7/37

All: -6.837+/-0.128 χ^2/NDF: 5684.5/72


reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: -59.039+/-0.746 χ²/NDF: 1709.5/16
Left Out: -74.756+/-0.275 χ²/NDF:2904.0/18
Right Out: -60.507+/-0.704 χ²/NDF: 1384.8/18
Left In: -72.112+/-0.270 χ²/NDF:4477.6/17
Left: -73.411+/-0.193 χ²/NDF: 7428.7/36
Right: -59.815+/-0.512 χ²/NDF: 3096.4/35
In: -70.597+/-0.254 χ²/NDF:6458.9/34
Out: -72.875+/-0.256 χ²/NDF:4644.0/37
All: -71.727+/-0.180 χ²/NDF: 11142.8/72

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.160+/-0.489 χ^2/NDF: 5877.6/16

Left Out: 116.109+/-0.229 χ^2/NDF:2205.8/18

Right Out: 107.283+/-0.488 χ^2/NDF: 7055.1/18

Left In: 113.034+/-0.229 χ^2/NDF:2369.7/17

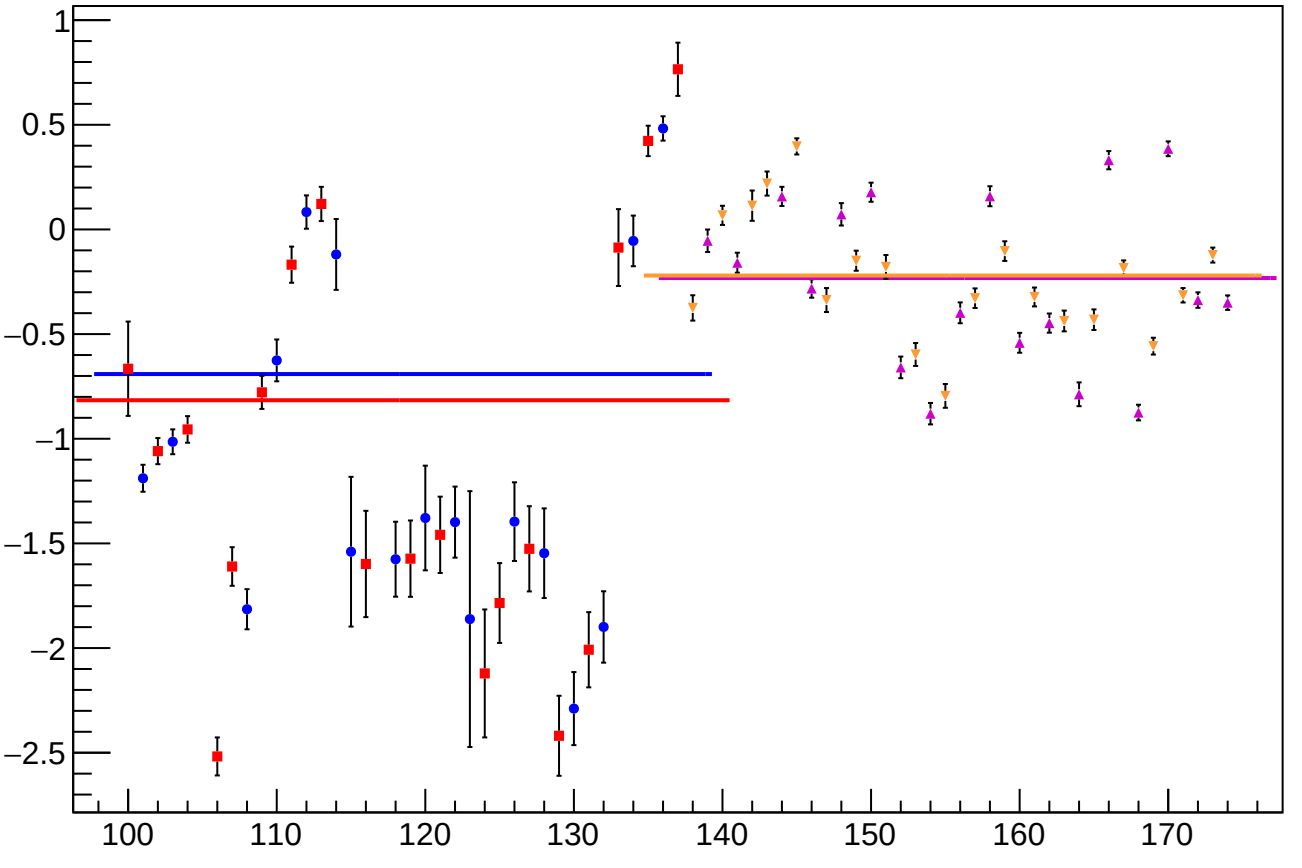
Left: 114.574+/-0.162 χ^2/NDF: 4665.5/36

Right: 109.217+/-0.345 χ^2/NDF: 12964.2/35

In: 112.696+/-0.208 χ^2/NDF:8259.3/34

Out: 114.515+/-0.207 χ^2/NDF:9529.2/37

All: 113.607+/-0.147 χ^2/NDF: 17826.9/72



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: -0.232+/-0.011 χ^2/NDF:1452.8/17

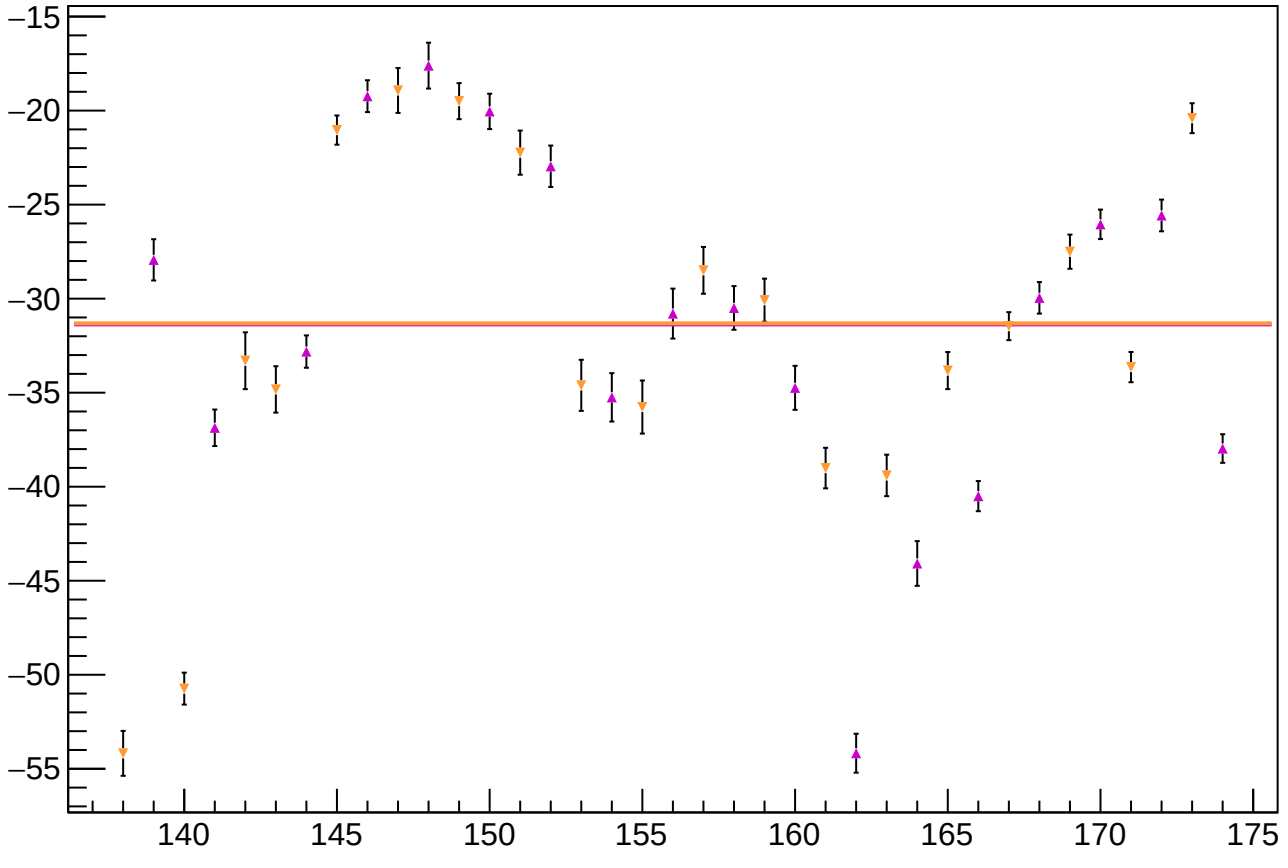
Left: -0.226+/-0.007 χ^2/NDF: 2131.9/36

Right: -0.757+/-0.018 χ^2/NDF: 2307.7/35

In: -0.297+/-0.010 χ^2/NDF:2714.6/34

Out: -0.316+/-0.010 χ^2/NDF:2484.7/37

All: -0.307+/-0.007 χ^2/NDF: 5201.1/72



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: -31.370+/-0.228 χ^2/NDF:1499.6/17

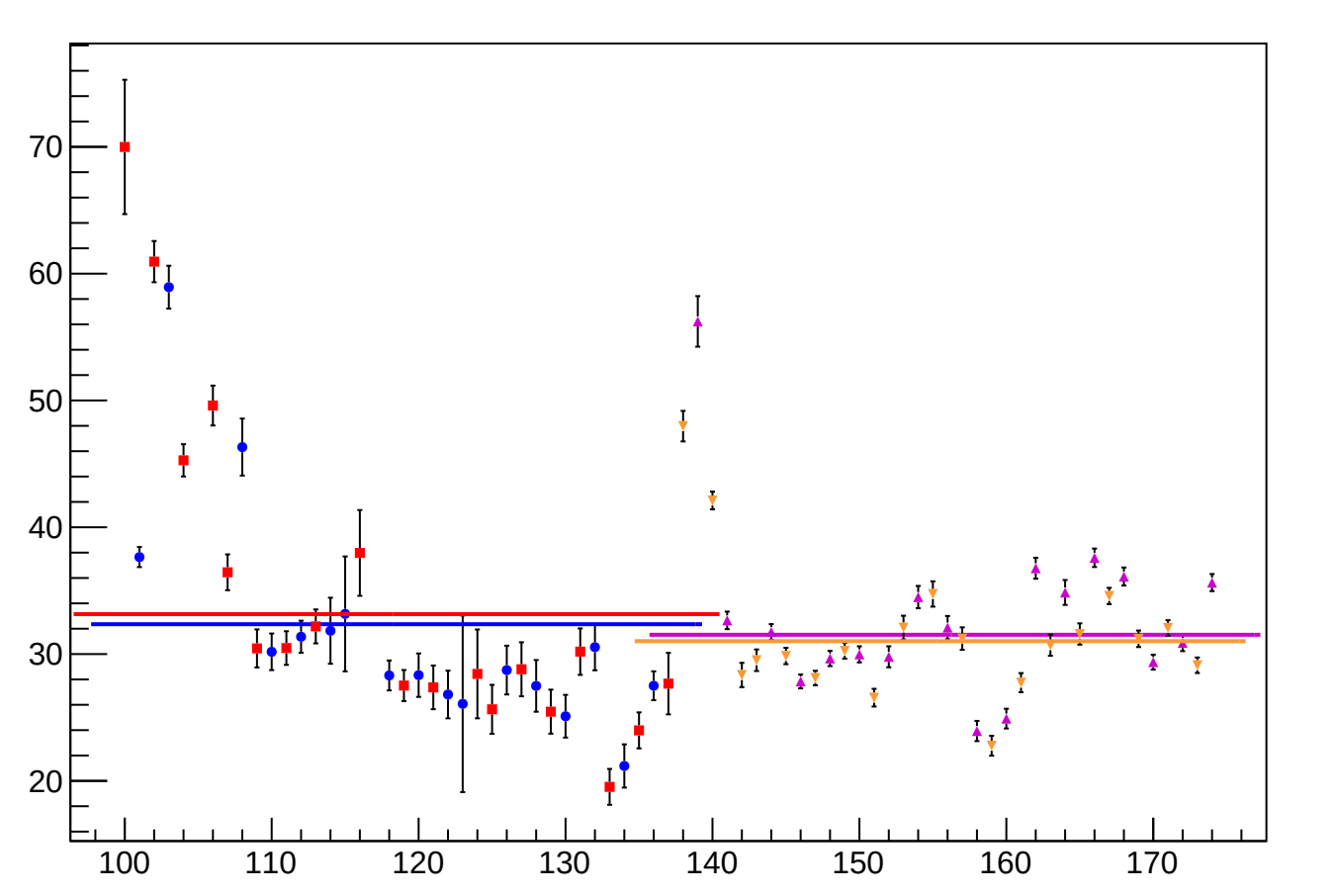
Left: -31.343+/-0.162 χ^2/NDF: 3241.0/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

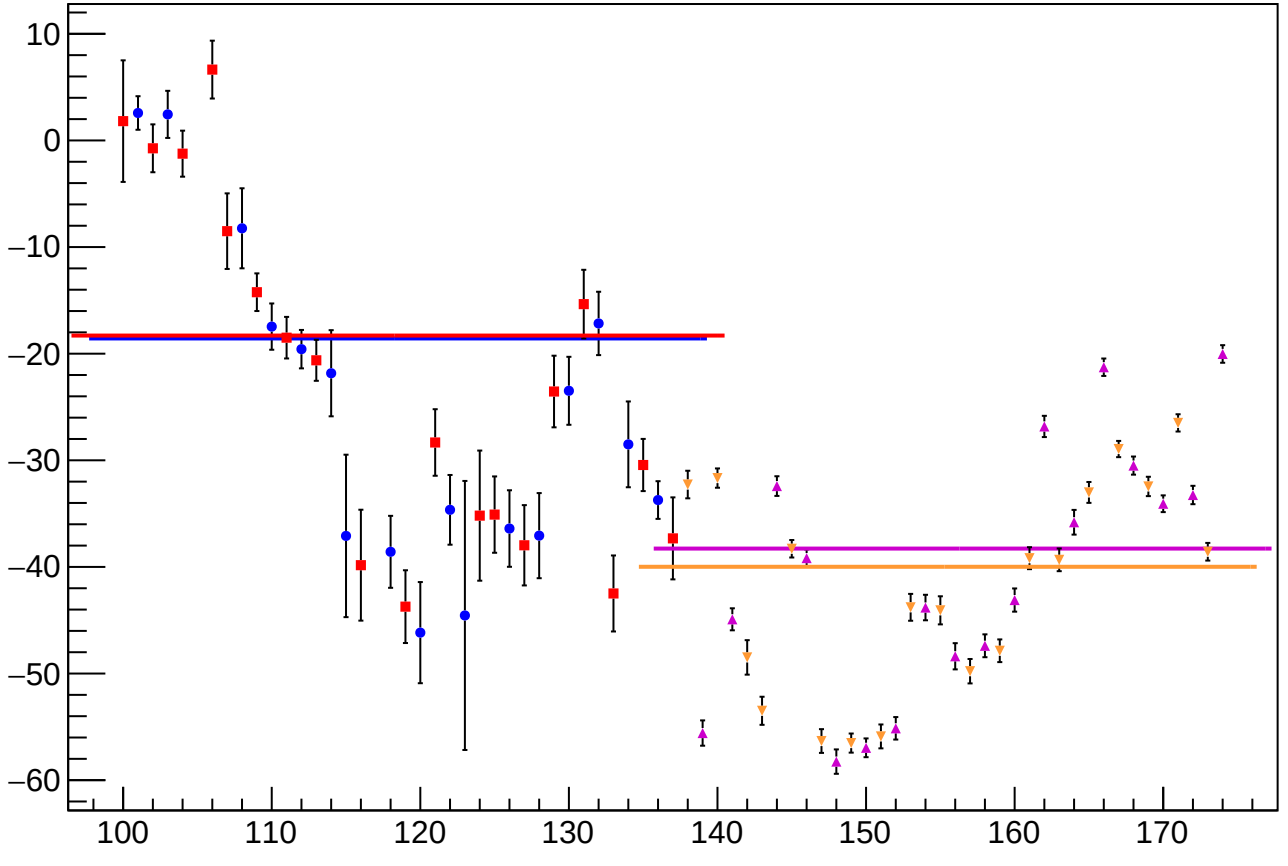
In: -31.370+/-0.228 χ^2/NDF:1499.6/17

Out: -31.315+/-0.232 χ^2/NDF:1741.4/18

All: -31.343+/-0.162 χ^2/NDF: 3241.0/36


reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
70
60
50
40
30
20
100
110
120
130
140
150
160
170
Right In: 32.355+/-0.375 χ²/NDF: 450.5/16
Left Out: 31.018+/-0.169 χ²/NDF:721.3/18
Right Out: 33.152+/-0.379 χ²/NDF: 772.0/18
Left In: 31.522+/-0.170 χ²/NDF:611.6/17
Left: 31.268+/-0.120 χ²/NDF: 1337.3/36
Right: 32.750+/-0.267 χ²/NDF: 1224.7/35
In: 31.664+/-0.155 χ²/NDF:1066.2/34
Out: 31.372+/-0.154 χ²/NDF:1519.7/37
All: 31.517+/-0.109 χ²/NDF: 2587.7/72

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.572+/-0.667 χ^2/NDF: 511.5/16

Left Out: -39.987+/-0.231 χ^2/NDF:1772.1/18

Right Out: -18.300+/-0.644 χ^2/NDF: 473.4/18

Left In: -38.279+/-0.227 χ^2/NDF:2694.4/17

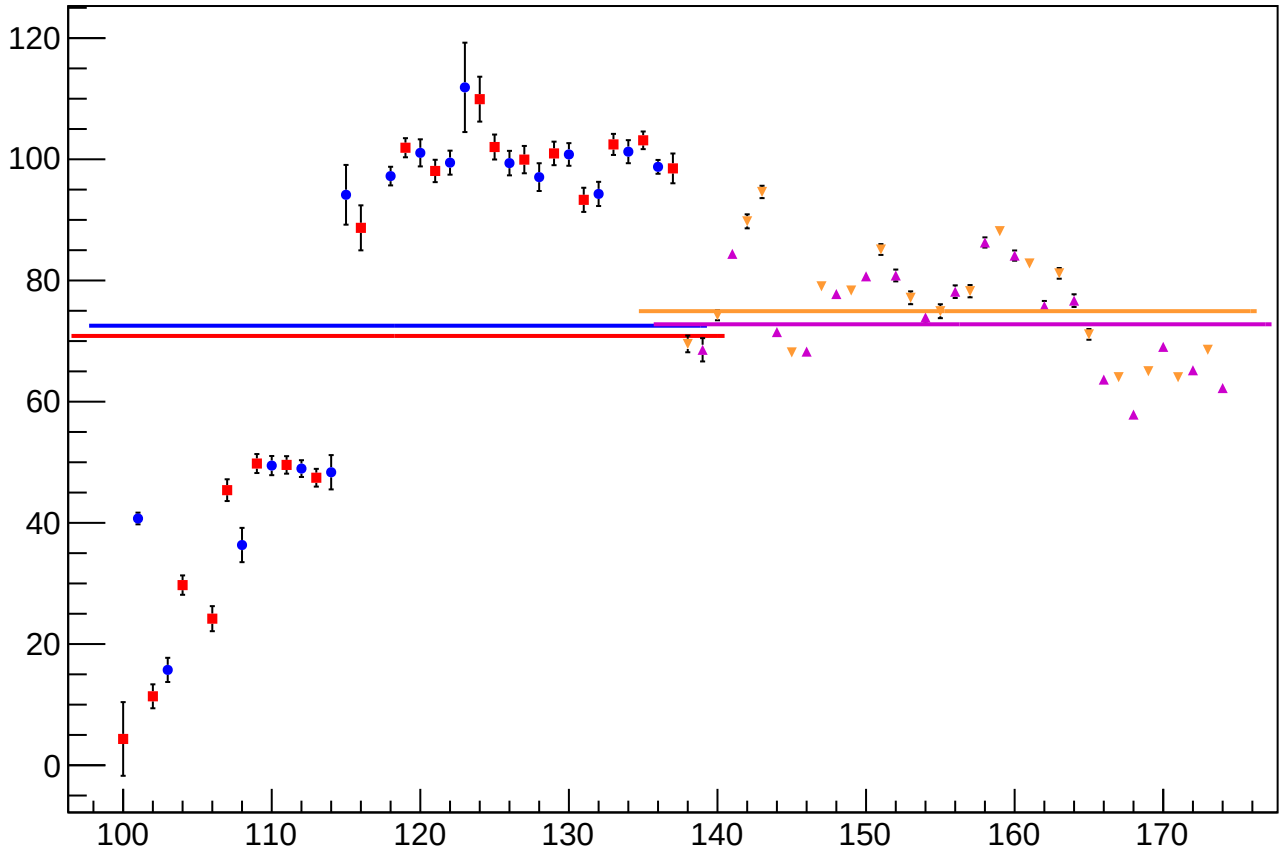
Left: -39.118+/-0.162 χ^2/NDF: 4494.3/36

Right: -18.431+/-0.463 χ^2/NDF: 984.9/35

In: -36.239+/-0.215 χ^2/NDF:3987.4/34

Out: -37.515+/-0.217 χ^2/NDF:3250.7/37

All: -36.869+/-0.153 χ^2/NDF: 7255.5/72



Right In: 72.537+/-0.428 χ^2/NDF: 4684.1/16

Left Out: 74.938+/-0.194 χ^2/NDF:2023.6/18

Right Out: 70.849+/-0.433 χ^2/NDF: 5500.2/18

Left In: 72.771+/-0.194 χ^2/NDF:1789.5/17

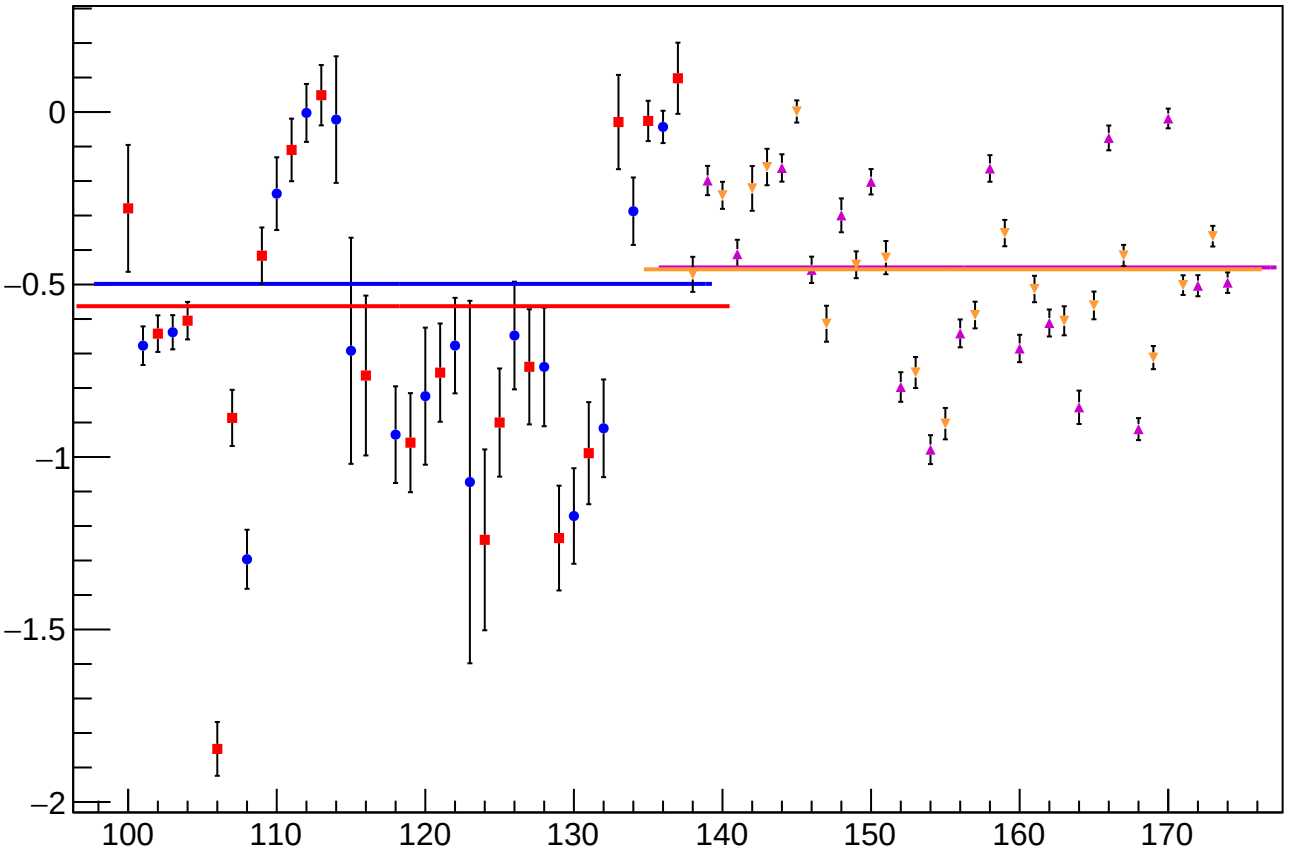
Left: 73.856+/-0.137 χ^2/NDF: 3875.7/36

Right: 71.702+/-0.305 χ^2/NDF: 10192.0/35

In: 72.732+/-0.177 χ^2/NDF:6473.8/34

Out: 74.258+/-0.177 χ^2/NDF:7598.1/37

All: 73.494+/-0.125 χ^2/NDF: 14109.3/72



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: -0.450+/-0.009 χ^2/NDF:1125.6/17

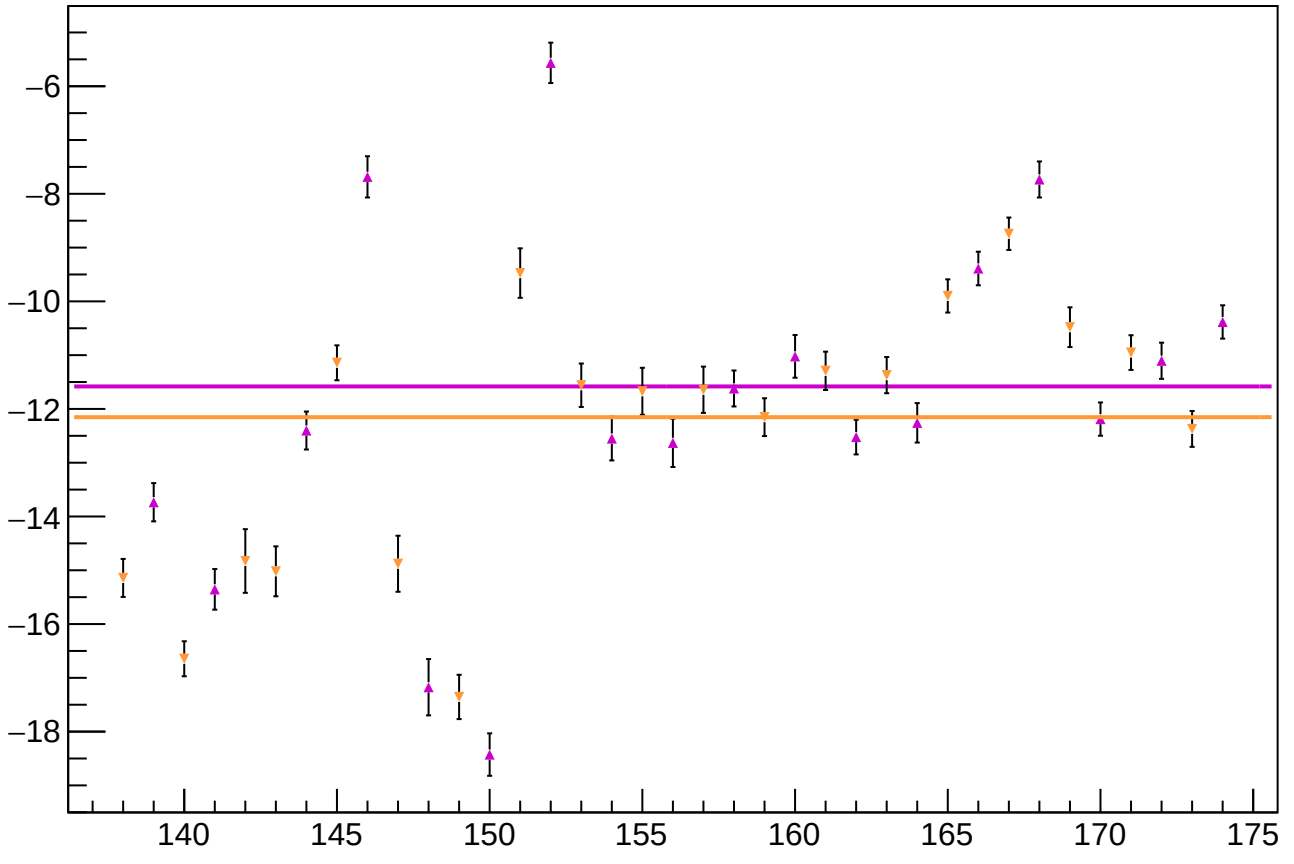
Left: -0.453+/-0.006 χ^2/NDF: 1667.0/36

Right: -0.532+/-0.015 χ^2/NDF: 867.9/35

In: -0.457+/-0.008 χ^2/NDF:1432.3/34

Out: -0.472+/-0.008 χ^2/NDF:1123.3/37

All: -0.464+/-0.006 χ^2/NDF: 2557.2/72



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

Left Out: -12.154+/-0.085 χ^2/NDF:783.4/18

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

Left In: -11.582+/-0.085 χ^2/NDF:1144.0/17

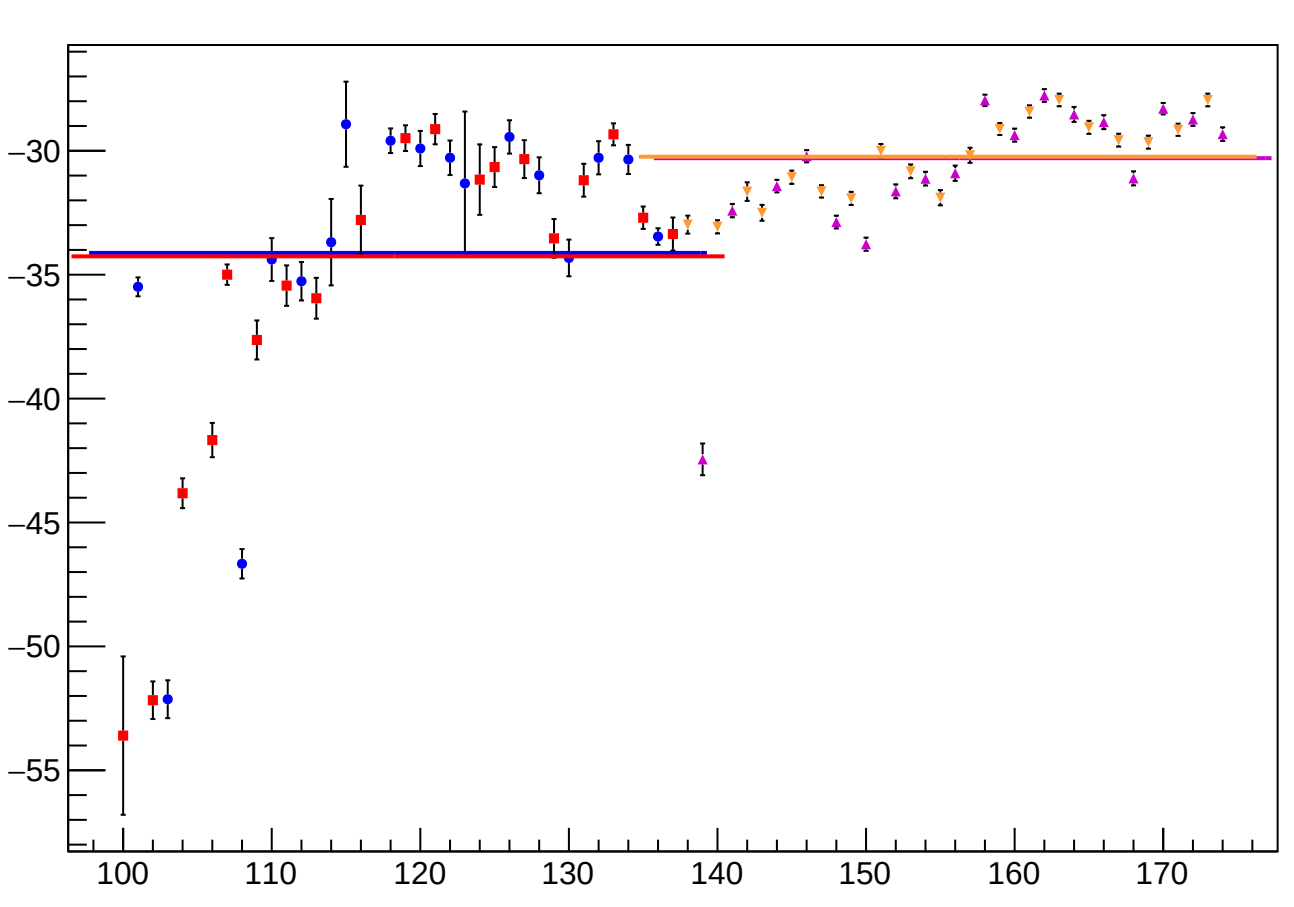
Left: -11.866+/-0.060 χ^2/NDF: 1950.0/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -11.582+/-0.085 χ^2/NDF:1144.0/17

Out: -12.154+/-0.085 χ^2/NDF:783.4/18

All: -11.866+/-0.060 χ^2/NDF: 1950.0/36



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: -30.298+/-0.064 χ^2/NDF:1148.5/17

Left: -30.268+/-0.045 χ^2/NDF: 1781.8/36

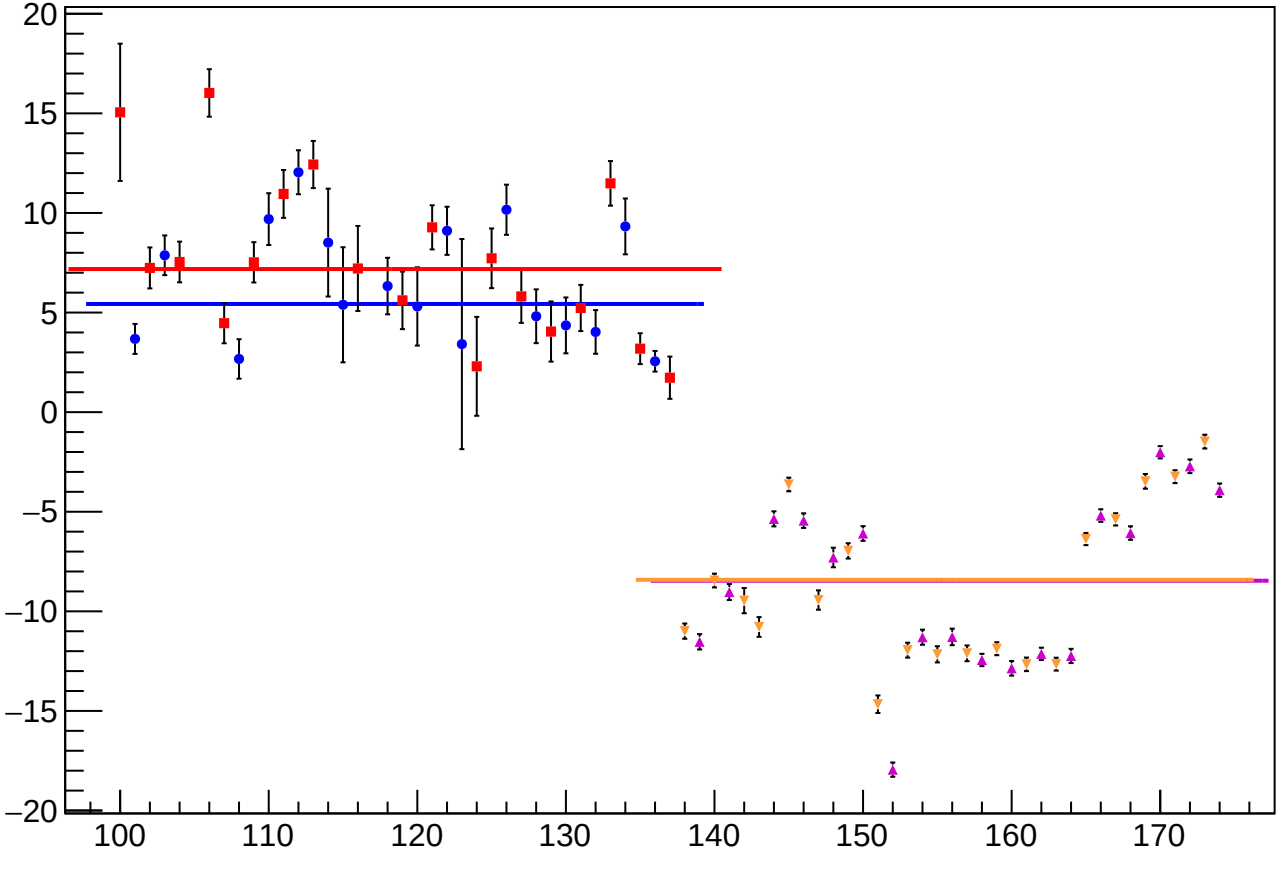
Right: -34.191+/-0.107 χ^2/NDF: 2677.8/35

In: -30.876+/-0.059 χ^2/NDF:3009.5/34

Out: -30.833+/-0.058 χ^2/NDF:2593.4/37

All: -30.854+/-0.041 χ^2/NDF: 5603.2/72

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431+/-0.270 χ^2/NDF: 132.0/16

Left Out: -8.417+/-0.085 χ^2/NDF:2158.8/18

Right Out: 7.185+/-0.274 χ^2/NDF: 182.1/18

Left In: -8.464+/-0.084 χ^2/NDF:2658.9/17

Left: -8.441+/-0.060 χ^2/NDF: 4817.9/36

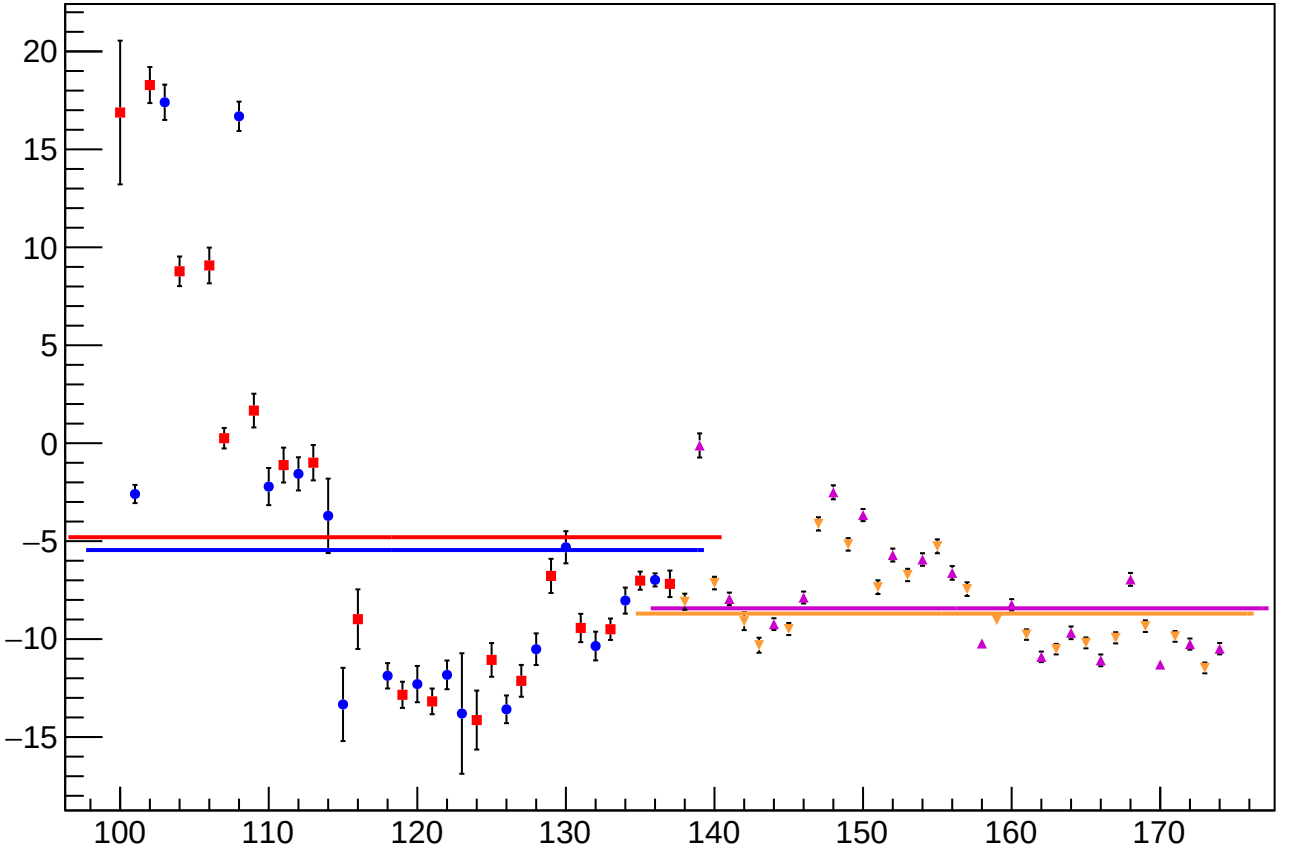
Right: 6.295+/-0.193 χ^2/NDF: 334.8/35

In: -7.241+/-0.080 χ^2/NDF:5199.1/34

Out: -7.063+/-0.081 χ^2/NDF:5292.4/37

All: -7.153+/-0.057 χ^2/NDF: 10493.9/72

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: -8.429+/-0.072 χ^2/NDF:1334.0/17

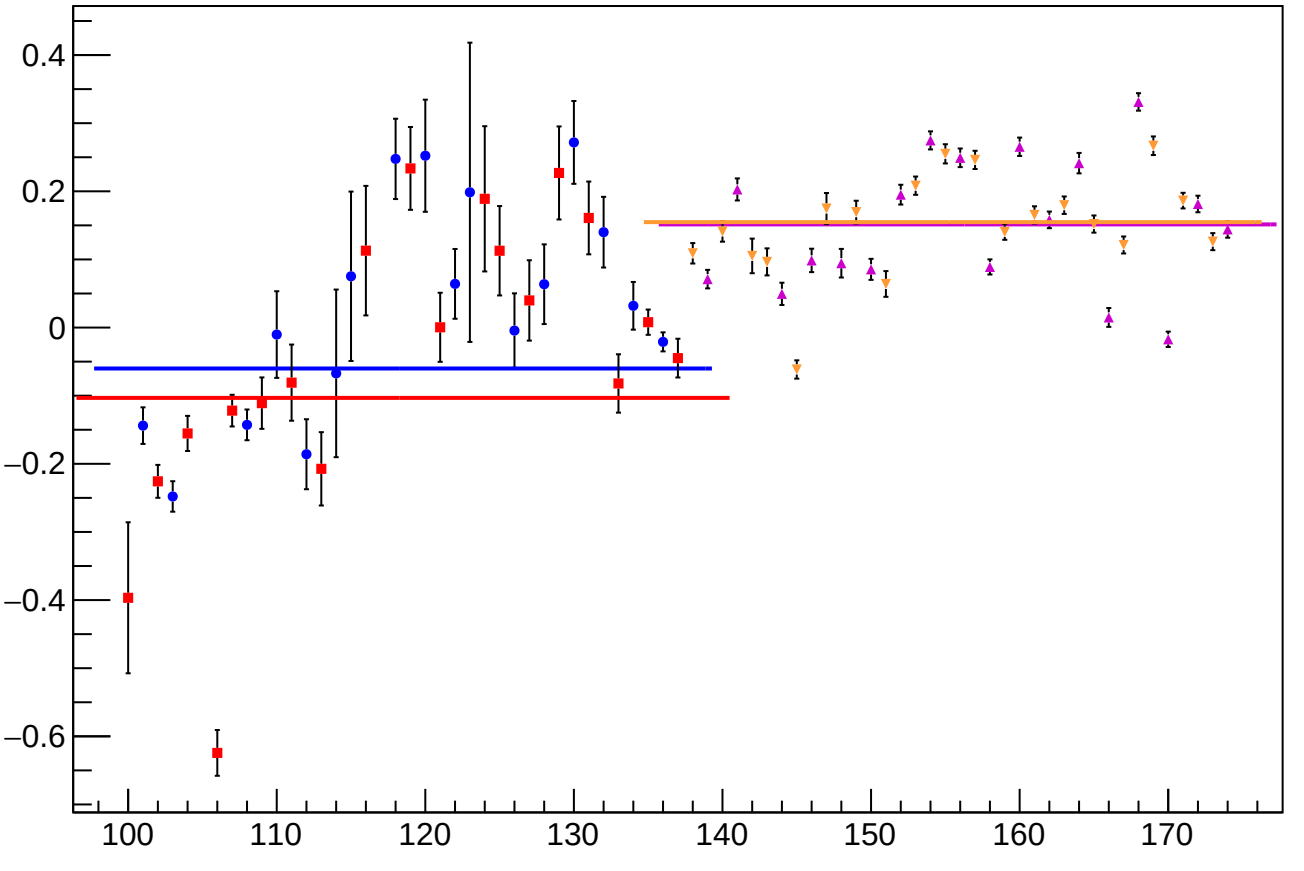
Left: -8.566+/-0.051 χ^2/NDF: 2087.7/36

Right: -5.131+/-0.122 χ^2/NDF: 4151.2/35

In: -7.979+/-0.066 χ^2/NDF:3687.7/34

Out: -8.132+/-0.066 χ^2/NDF:3229.0/37

All: -8.056+/-0.047 χ^2/NDF: 6919.4/72



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: 0.151+/-0.003 χ^2/NDF:929.1/17

Left: 0.153+/-0.002 χ^2/NDF: 1442.5/36

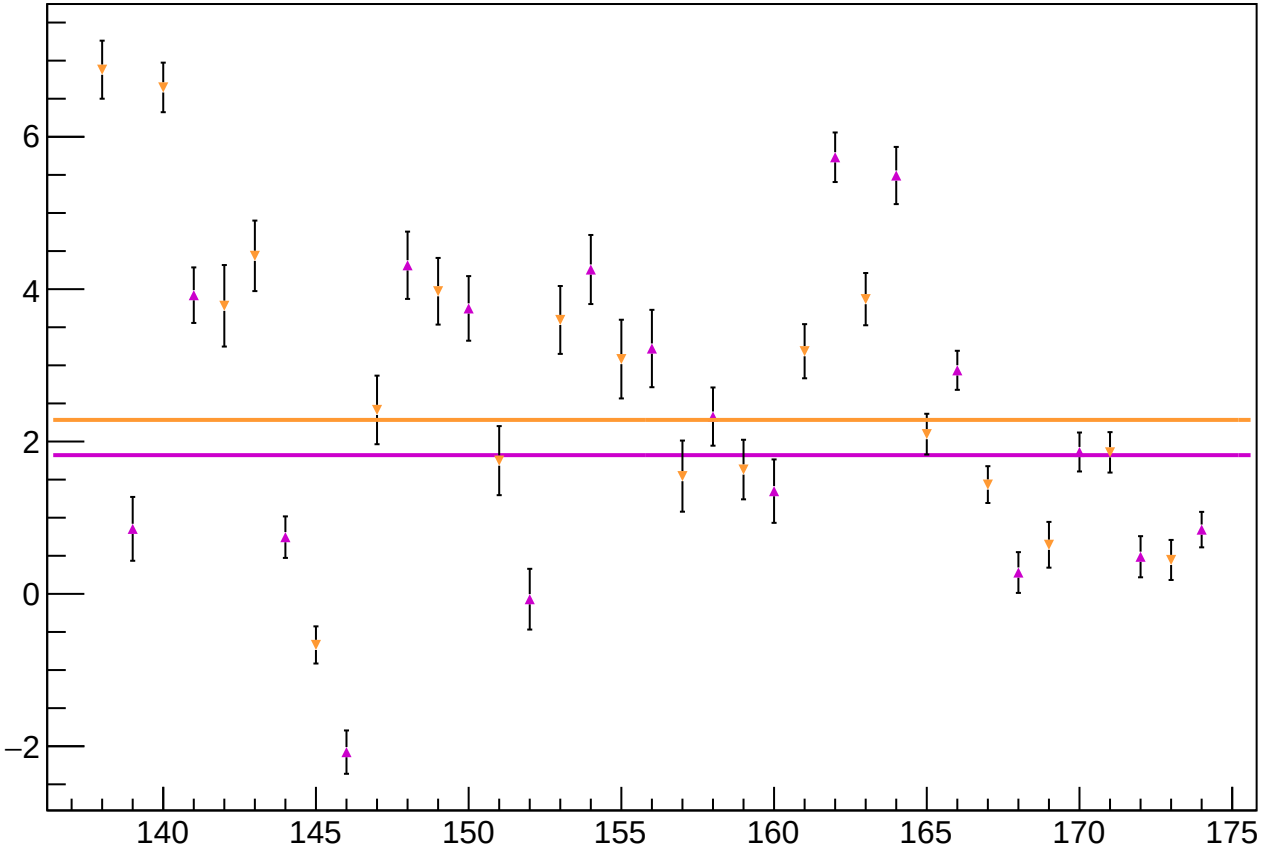
Right: -0.082+/-0.006 χ^2/NDF: 662.9/35

In: 0.124+/-0.003 χ^2/NDF:1696.5/34

Out: 0.122+/-0.003 χ^2/NDF:1761.4/37

All: 0.123+/-0.002 χ^2/NDF: 3458.3/72

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: 1.821+/-0.077 χ^2/NDF:690.5/17

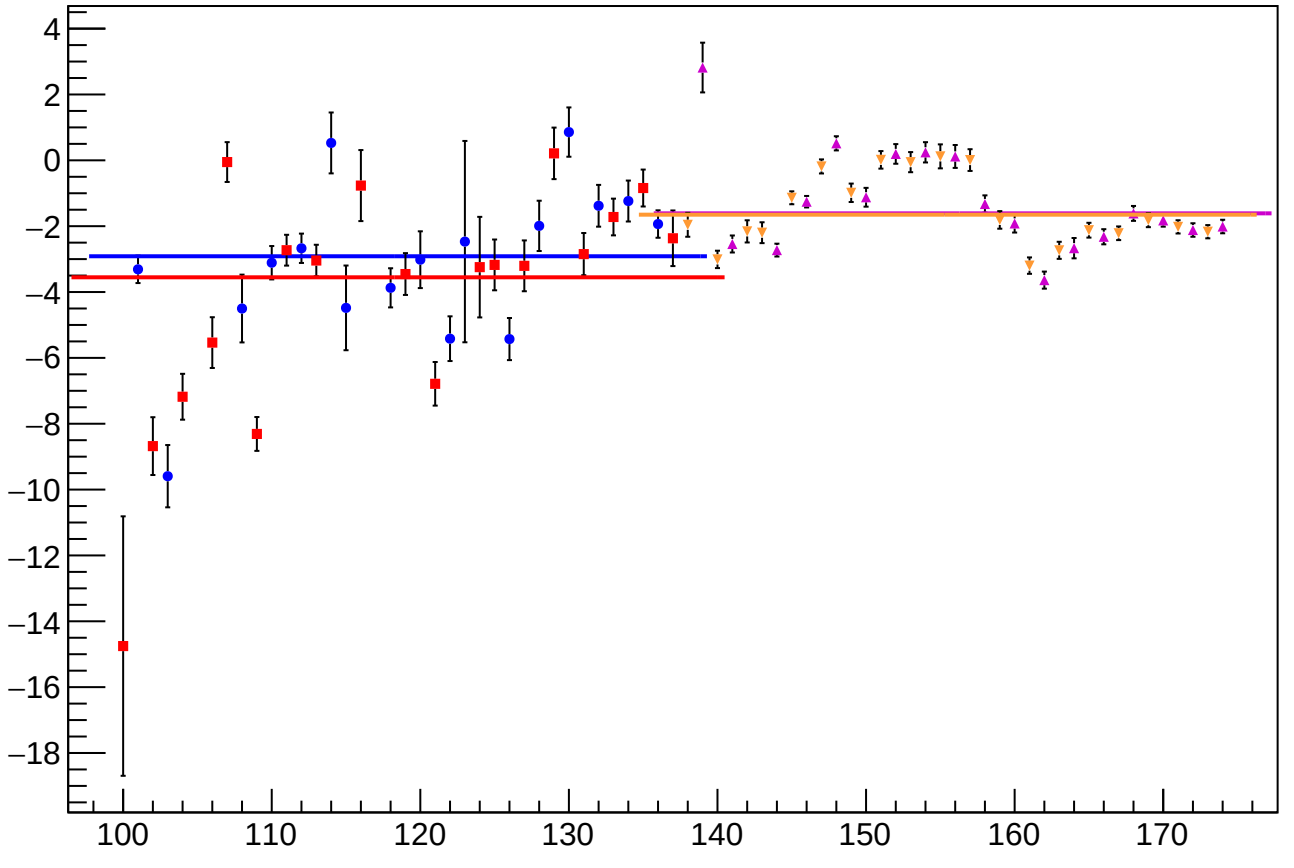
Left: 2.048+/-0.055 χ^2/NDF: 1364.8/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 1.821+/-0.077 χ^2/NDF:690.5/17

Out: 2.284+/-0.078 χ^2/NDF:656.4/18

All: 2.048+/-0.055 χ^2/NDF: 1364.8/36



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: -1.610+/-0.057 χ^2/NDF:378.2/17

Left: -1.630+/-0.041 χ^2/NDF: 664.3/36

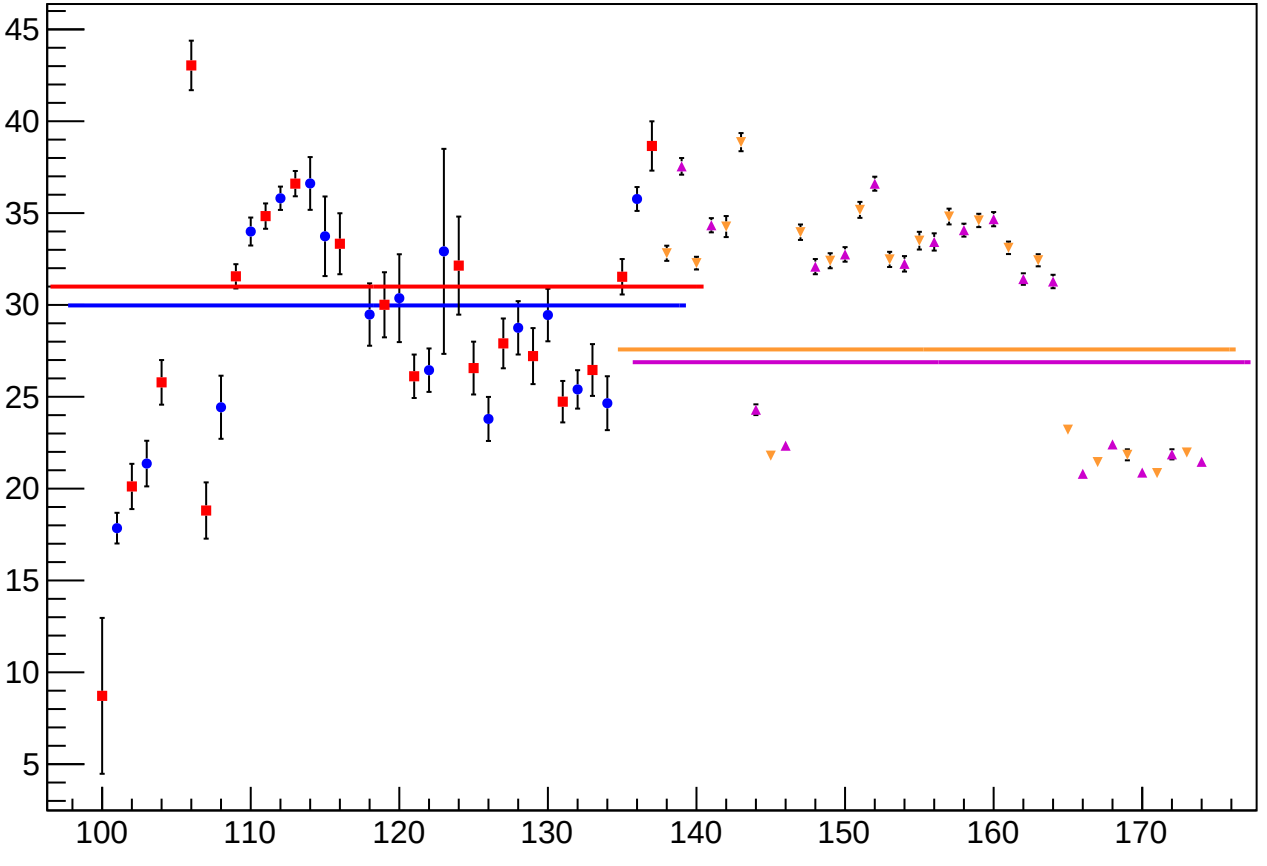
Right: -3.234+/-0.109 χ^2/NDF: 445.5/35

In: -1.767+/-0.054 χ^2/NDF:586.7/34

Out: -1.882+/-0.054 χ^2/NDF:709.7/37

All: -1.824+/-0.038 χ^2/NDF: 1298.7/72

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972+/-0.267 χ^2/NDF: 554.3/16

Left Out: 27.577+/-0.078 χ^2/NDF:5910.1/18

Right Out: 30.999+/-0.260 χ^2/NDF: 479.5/18

Left In: 26.882+/-0.077 χ^2/NDF:5991.1/17

Left: 27.222+/-0.055 χ^2/NDF: 11941.4/36

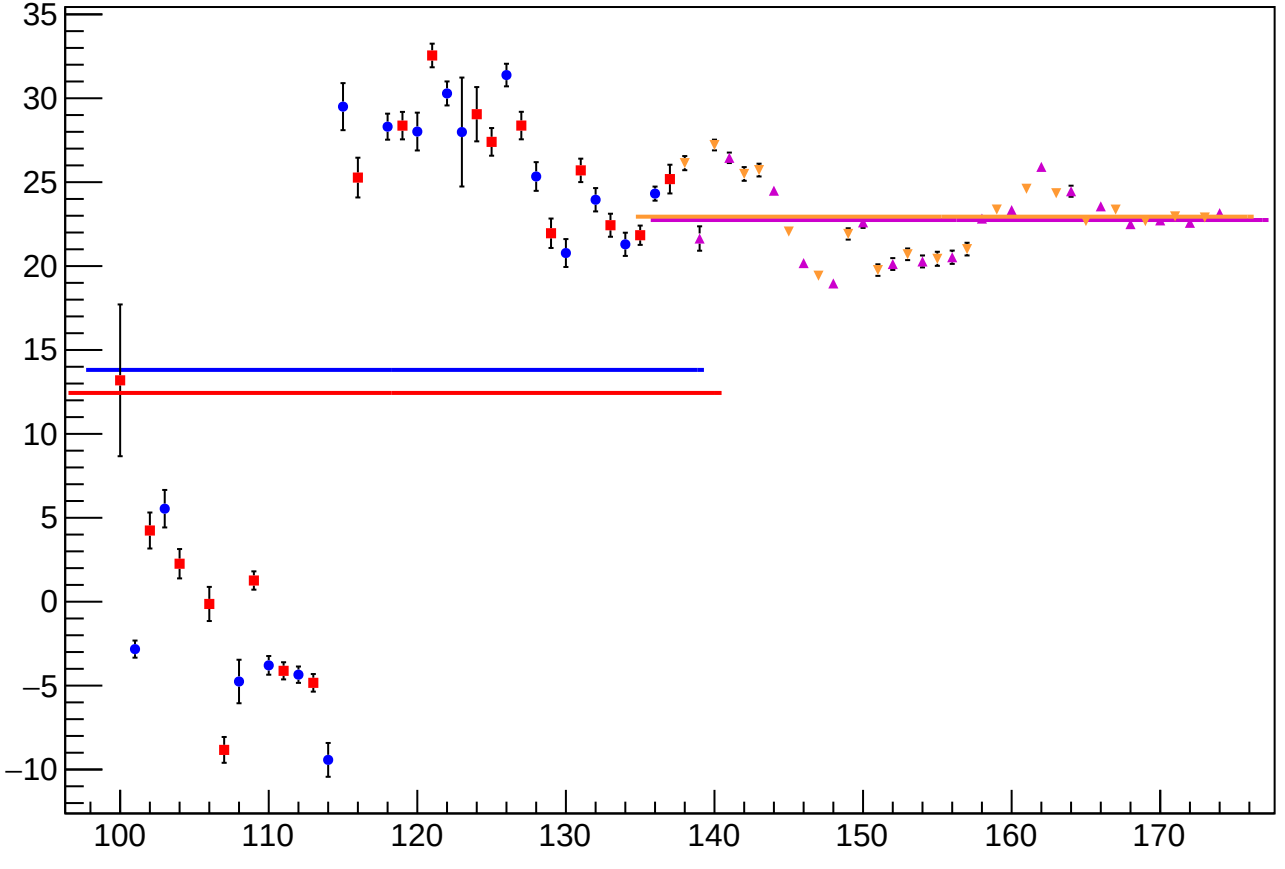
Right: 30.500+/-0.186 χ^2/NDF: 1041.4/35

In: 27.116+/-0.074 χ^2/NDF:6669.0/34

Out: 27.861+/-0.075 χ^2/NDF:6548.3/37

All: 27.482+/-0.053 χ^2/NDF: 13267.5/72

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813+/-0.173 χ^2/NDF: 7318.6/16

Left Out: 22.944+/-0.065 χ^2/NDF:757.0/18

Right Out: 12.440+/-0.174 χ^2/NDF: 6970.3/18

Left In: 22.745+/-0.065 χ^2/NDF:814.1/17

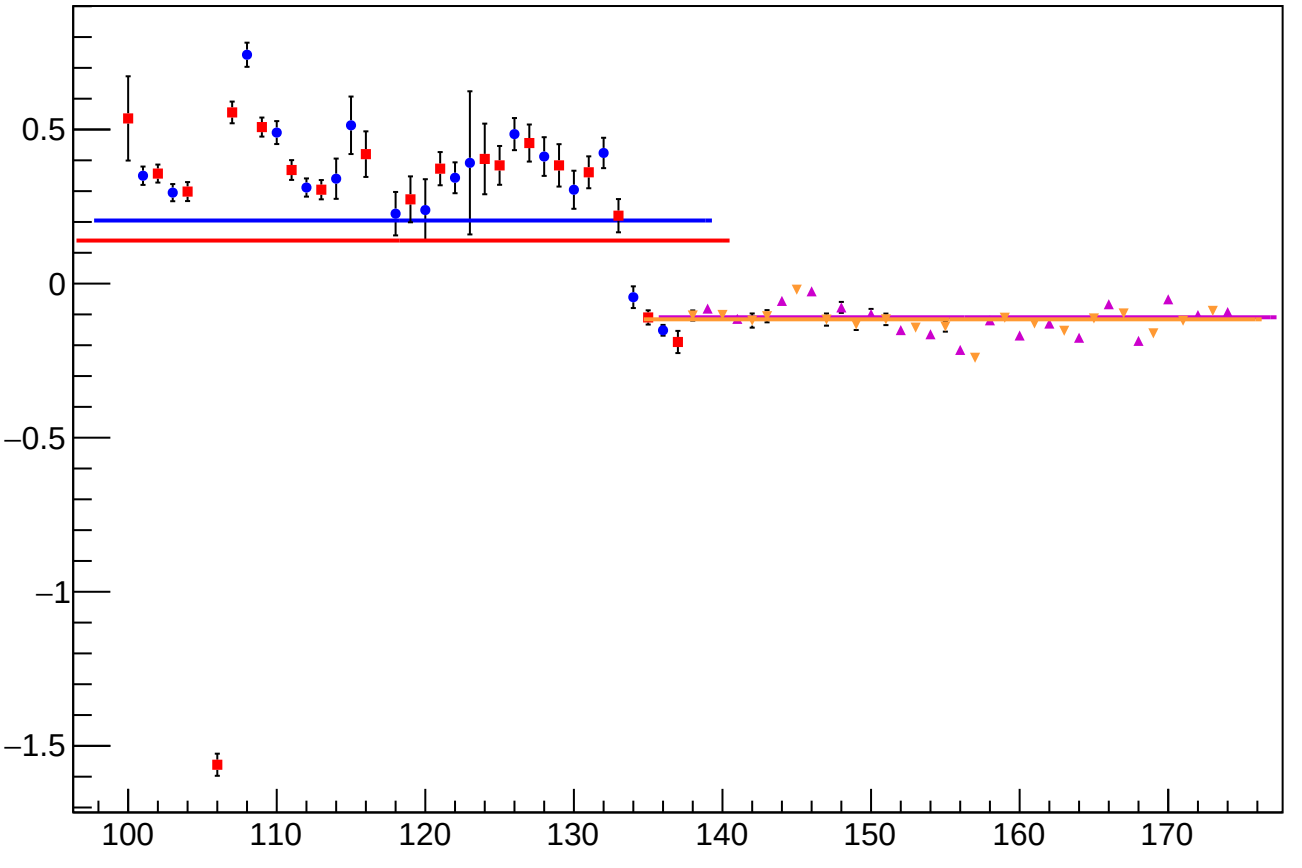
Left: 22.844+/-0.046 χ^2/NDF: 1575.8/36

Right: 13.131+/-0.122 χ^2/NDF: 14320.3/35

In: 21.635+/-0.061 χ^2/NDF:10475.9/34

Out: 21.637+/-0.061 χ^2/NDF:10928.1/37

All: 21.636+/-0.043 χ^2/NDF: 21404.0/72



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: -0.109+/-0.003 χ^2/NDF:288.8/17

Left: -0.113+/-0.002 χ^2/NDF: 500.3/36

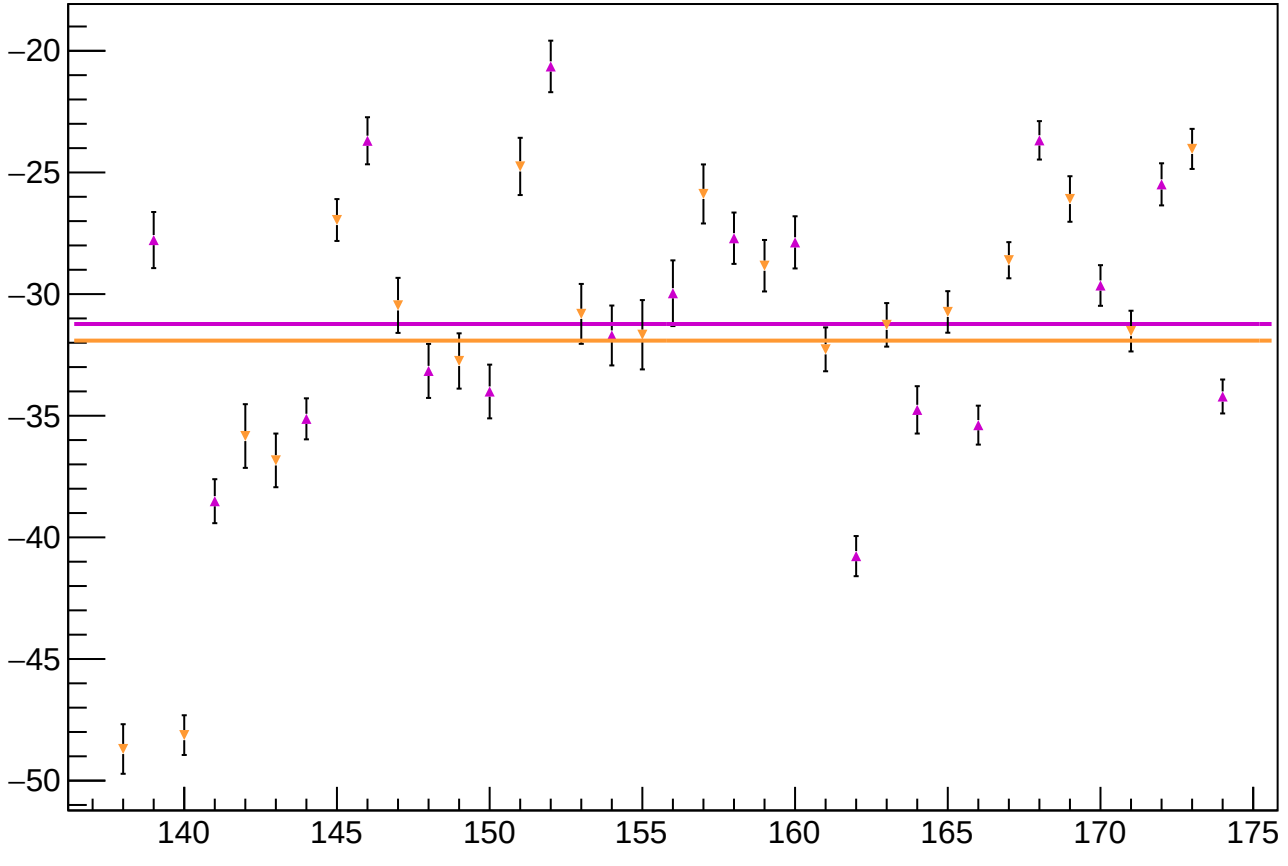
Right: 0.172+/-0.007 χ^2/NDF: 3884.5/35

In: -0.081+/-0.003 χ^2/NDF:2154.2/34

Out: -0.091+/-0.003 χ^2/NDF:3918.9/37

All: -0.086+/-0.002 χ^2/NDF: 6079.9/72

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: -31.229+/-0.221 χ^2/NDF:618.1/17

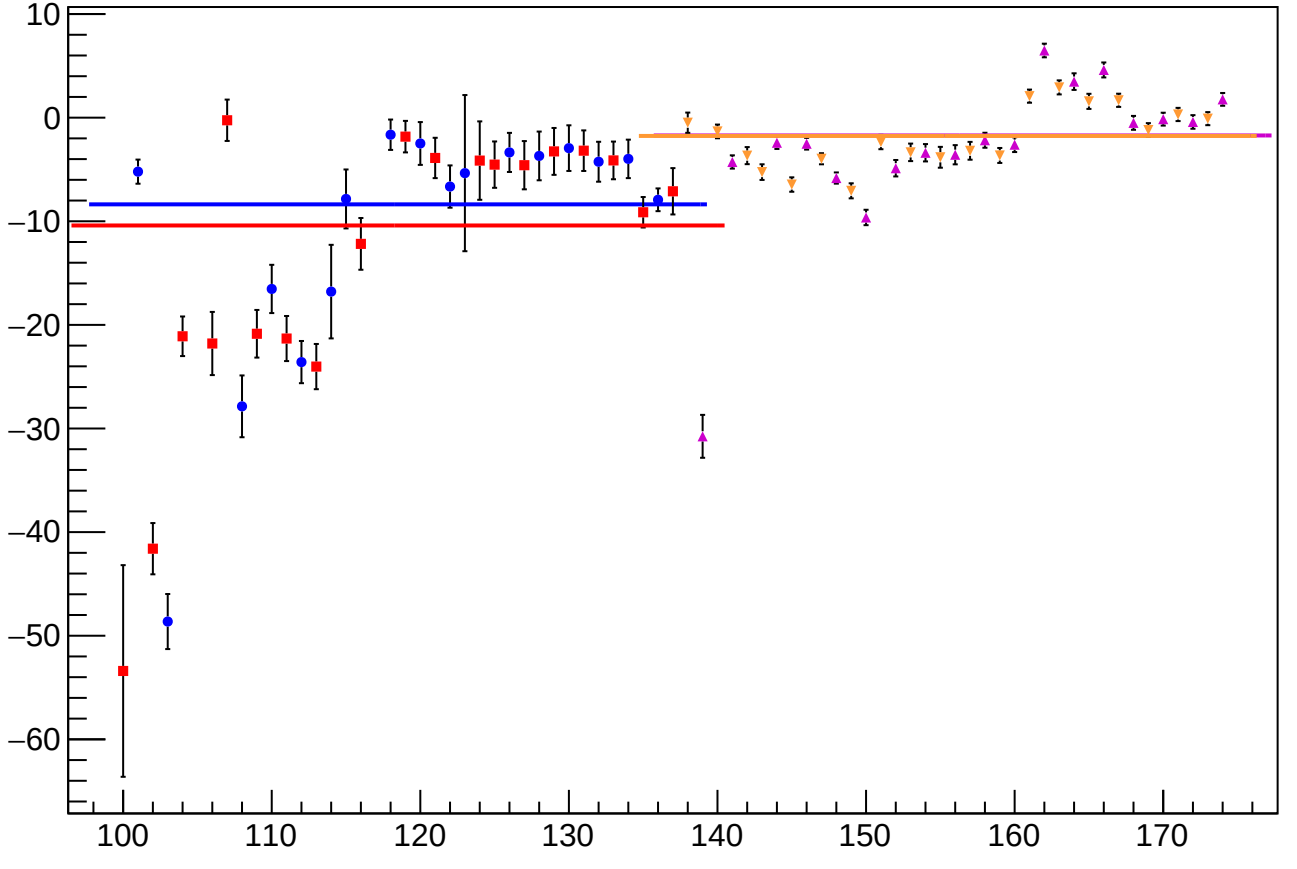
Left: -31.566+/-0.157 χ^2/NDF: 1576.5/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -31.229+/-0.221 χ^2/NDF:618.1/17

Out: -31.912+/-0.224 χ^2/NDF:953.7/18

All: -31.566+/-0.157 χ^2/NDF: 1576.5/36



Right In: -8.367+/-0.466 χ^2/NDF: 408.8/16

Left Out: -1.764+/-0.162 χ^2/NDF:315.0/18

Right Out: -10.405+/-0.491 χ^2/NDF: 430.3/18

Left In: -1.718+/-0.164 χ^2/NDF:732.0/17

Left: -1.741+/-0.115 χ^2/NDF: 1047.1/36

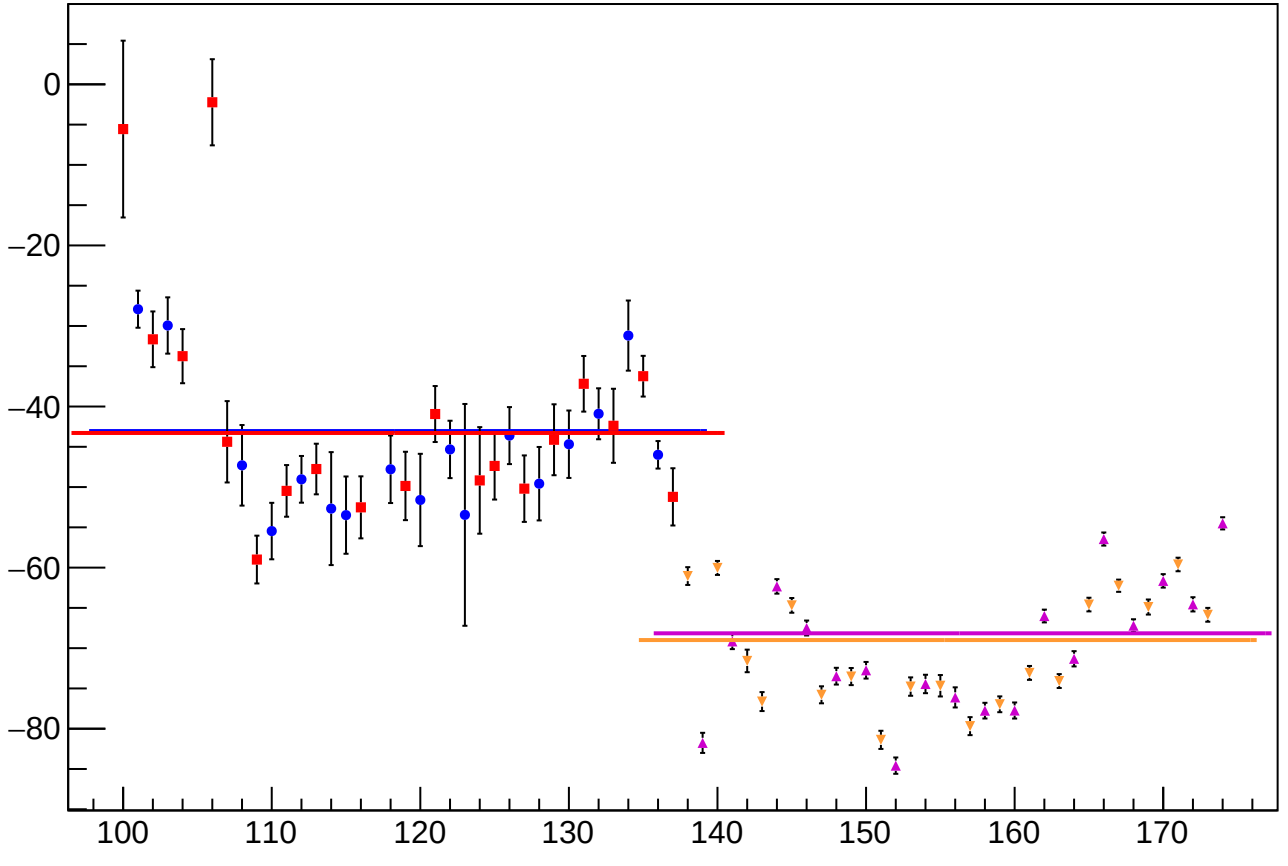
Right: -9.333+/-0.338 χ^2/NDF: 848.2/35

In: -2.447+/-0.154 χ^2/NDF:1322.1/34

Out: -2.615+/-0.154 χ^2/NDF:1024.6/37

All: -2.531+/-0.109 χ^2/NDF: 2347.2/72

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.047+/-0.837 χ^2/NDF: 99.0/16

Left Out: -68.993+/-0.223 χ^2/NDF:926.6/18

Right Out: -43.282+/-0.867 χ^2/NDF: 154.4/18

Left In: -68.155+/-0.220 χ^2/NDF:1359.9/17

Left: -68.567+/-0.157 χ^2/NDF: 2293.7/36

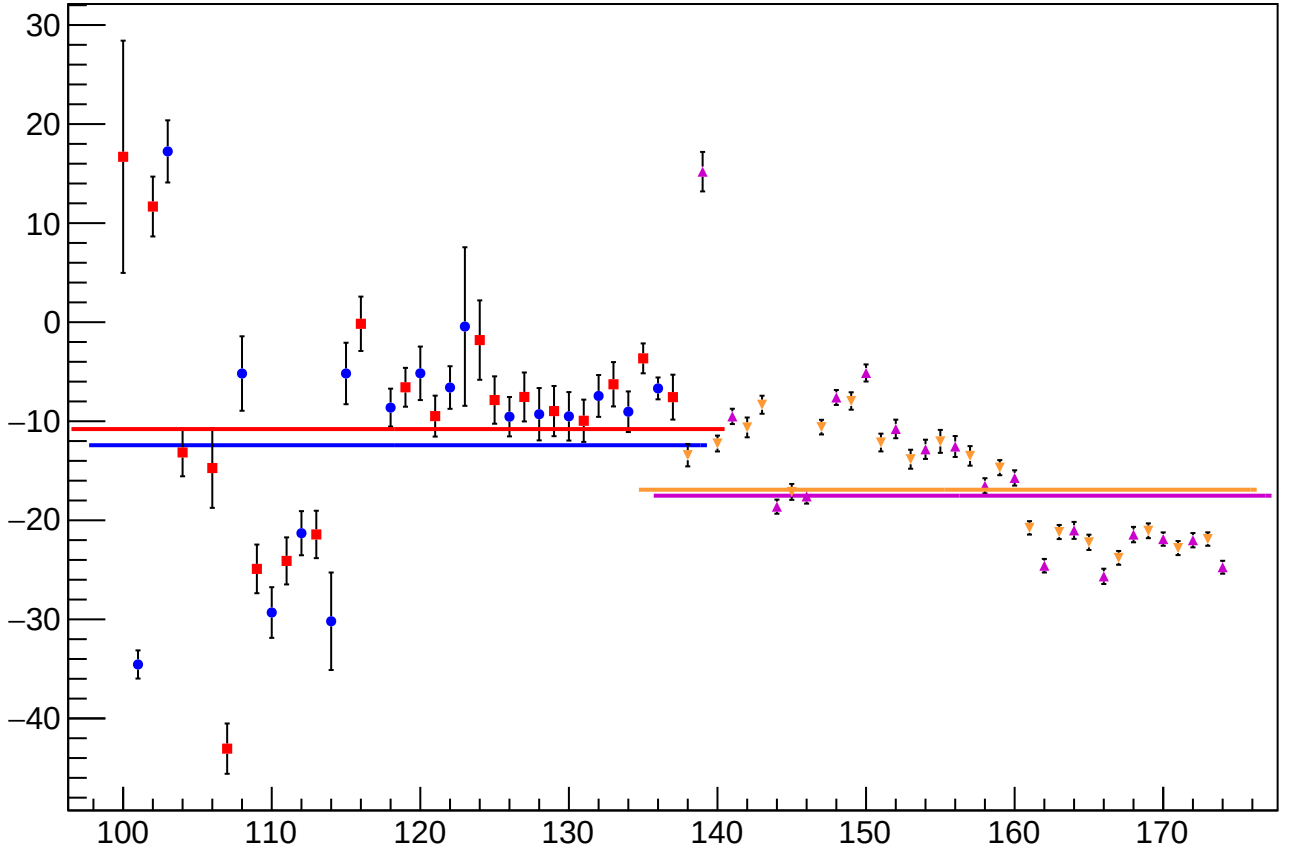
Right: -43.161+/-0.602 χ^2/NDF: 253.4/35

In: -66.531+/-0.213 χ^2/NDF:2300.0/34

Out: -67.391+/-0.216 χ^2/NDF:1905.3/37

All: -66.954+/-0.152 χ^2/NDF: 4213.3/72

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: -17.516+/-0.187 χ^2/NDF:1324.2/17

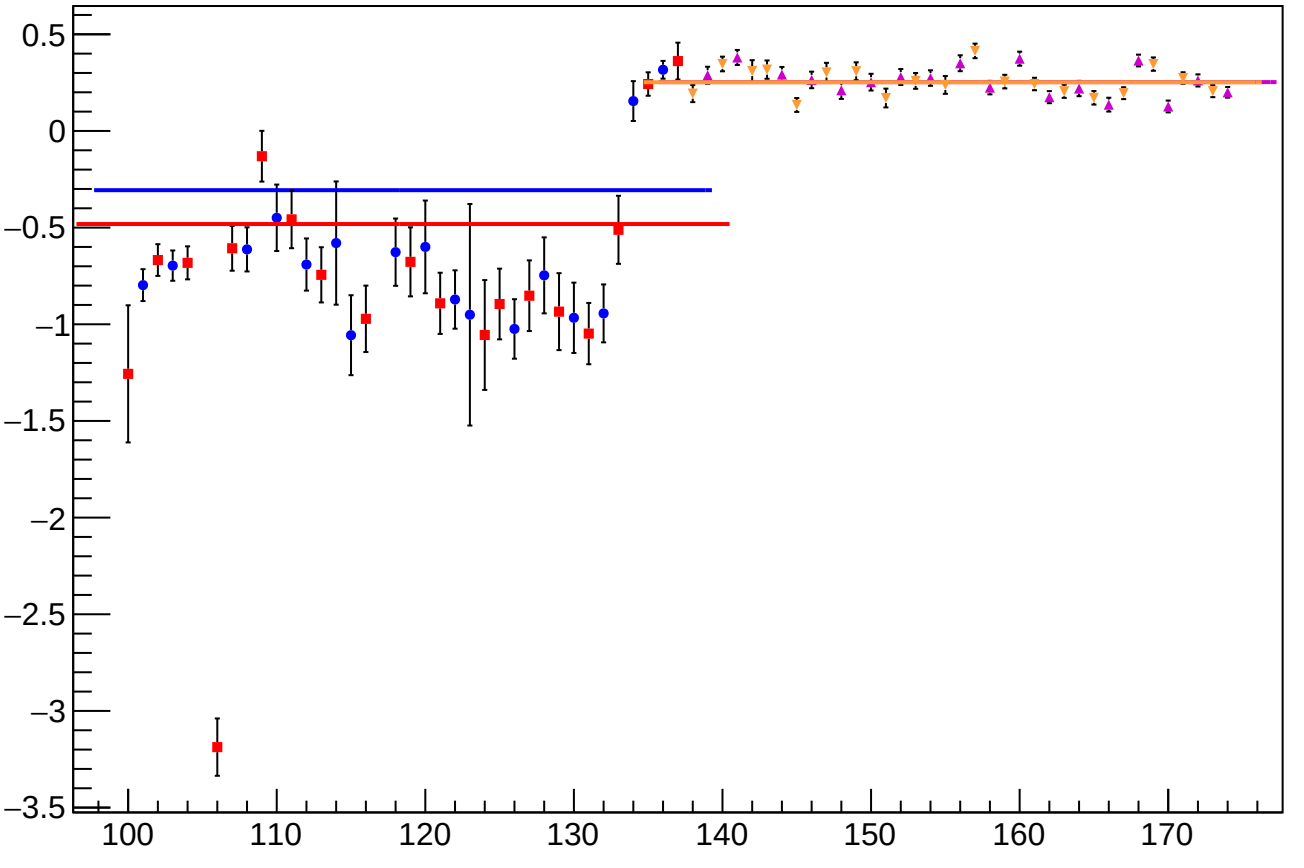
Left: -17.213+/-0.132 χ^2/NDF: 2121.4/36

Right: -11.652+/-0.380 χ^2/NDF: 844.7/35

In: -16.939+/-0.176 χ^2/NDF:1882.8/34

Out: -16.291+/-0.176 χ^2/NDF:1267.5/37

All: -16.616+/-0.125 χ^2/NDF: 3157.0/72



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: 0.253+/-0.009 χ^2/NDF:83.1/17

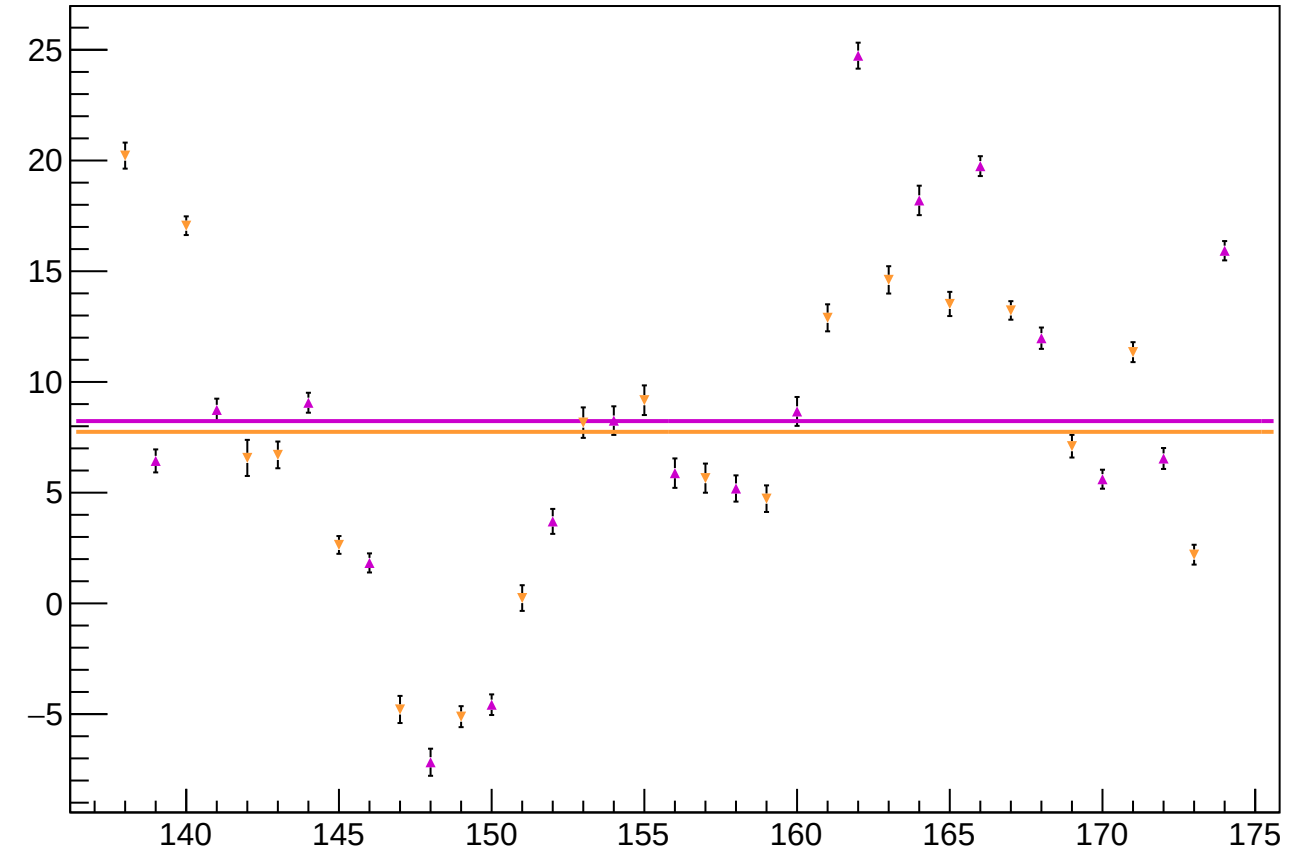
Left: 0.252+/-0.006 χ^2/NDF: 149.5/36

Right: -0.391+/-0.020 χ^2/NDF: 1019.4/35

In: 0.204+/-0.008 χ^2/NDF:830.0/34

Out: 0.190+/-0.008 χ^2/NDF:1297.0/37

All: 0.197+/-0.006 χ^2/NDF: 2128.3/72



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: 8.232+/-0.121 χ^2/NDF:3825.9/17

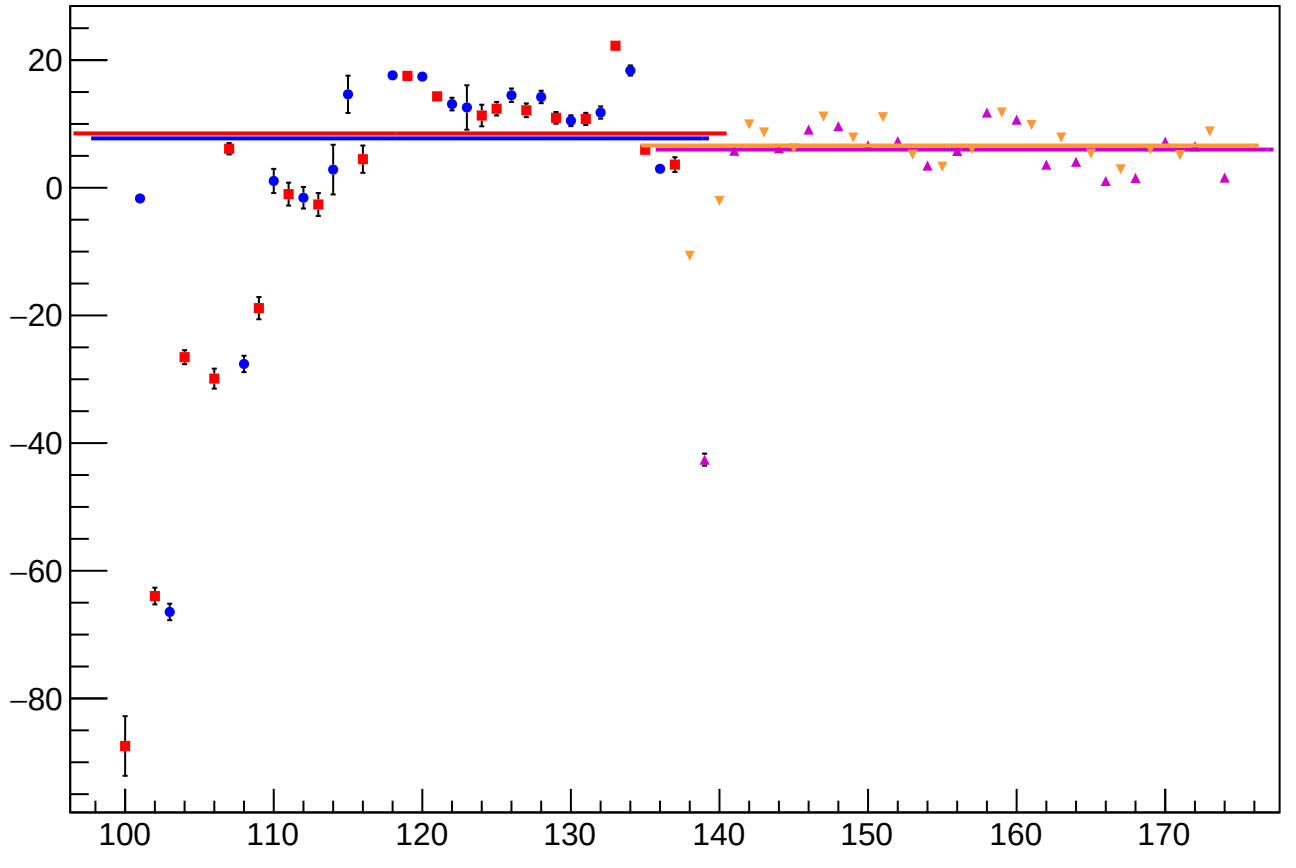
Left: 7.992+/-0.086 χ^2/NDF: 6998.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

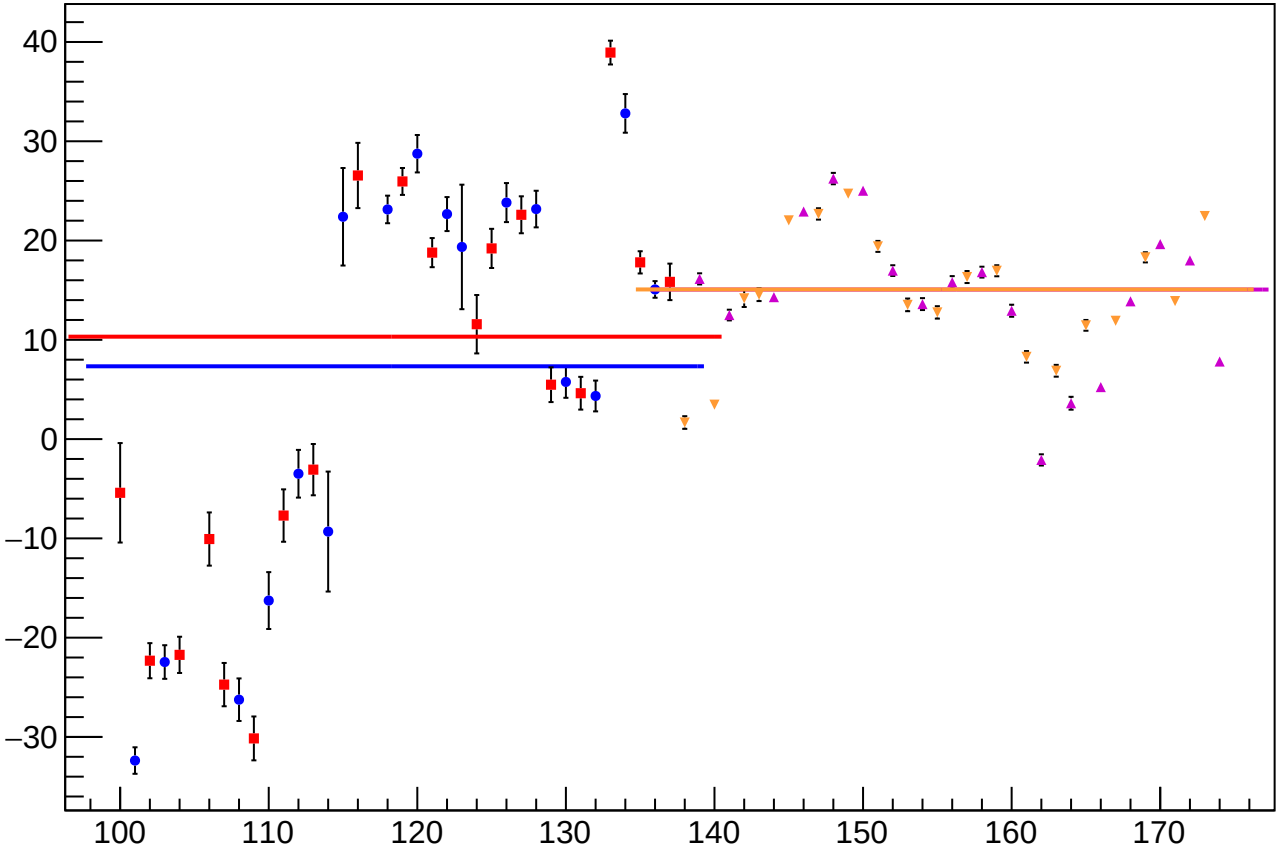
In: 8.232+/-0.121 χ^2/NDF:3825.9/17

Out: 7.747+/-0.123 χ^2/NDF:3164.9/18

All: 7.992+/-0.086 χ^2/NDF: 6998.7/36


reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
0
−20
−40
−60
−80
100
110
120
130
140
150
160
170
Right In: 7.737+/-0.218 χ²/NDF: 5300.6/16
Left Out: 6.624+/-0.089 χ²/NDF:2402.0/18
Right Out: 8.514+/-0.213 χ²/NDF: 6719.4/18
Left In: 5.987+/-0.090 χ²/NDF:3734.7/17
Left: 6.310+/-0.063 χ²/NDF: 6161.9/36
Right: 8.134+/-0.152 χ²/NDF: 12026.5/35
In: 6.243+/-0.083 χ²/NDF:9090.2/34
Out: 6.904+/-0.082 χ²/NDF:9188.3/37
All: 6.578+/-0.058 χ²/NDF: 18310.5/72

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: 15.063+/-0.121 χ^2/NDF:3420.2/17

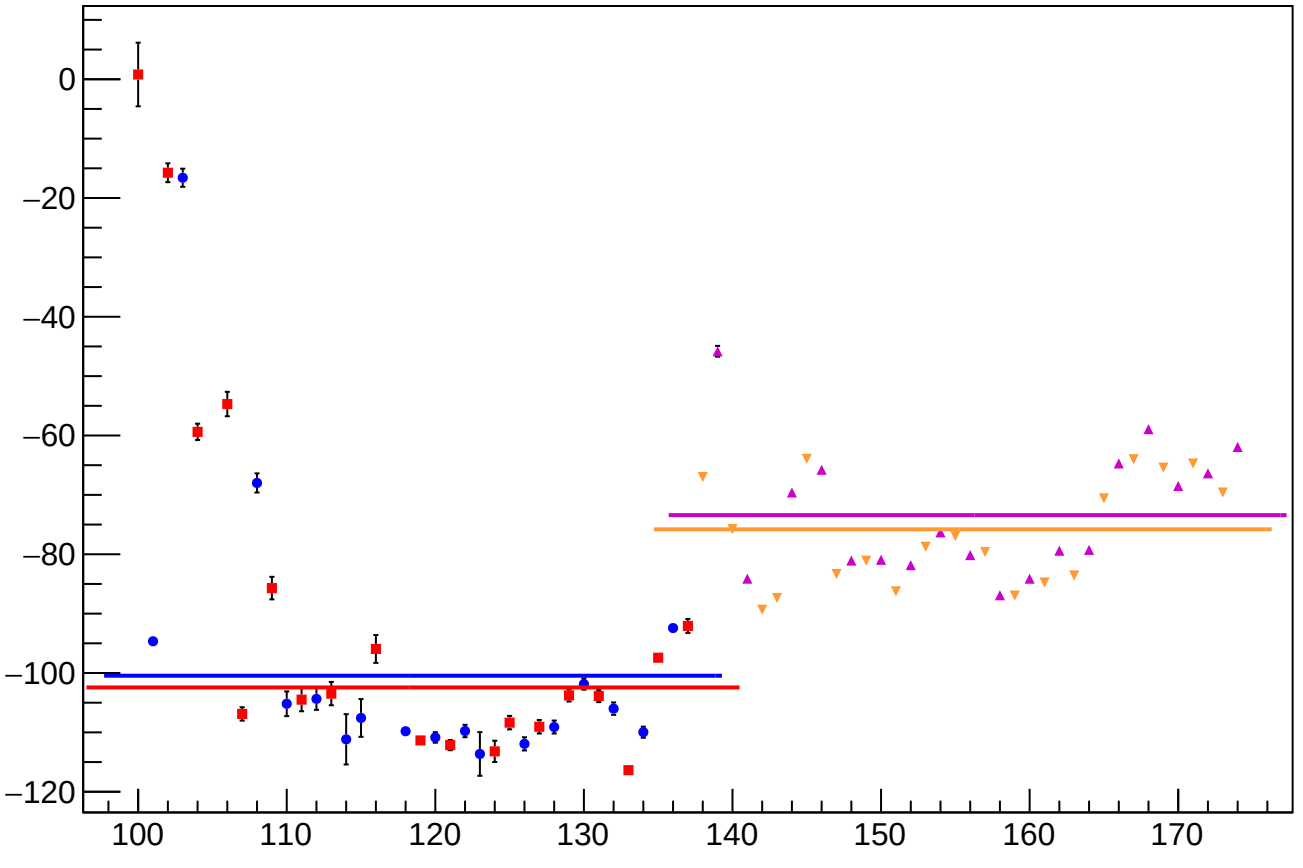
Left: 15.069+/-0.086 χ^2/NDF: 6268.7/36

Right: 8.831+/-0.295 χ^2/NDF: 4600.2/35

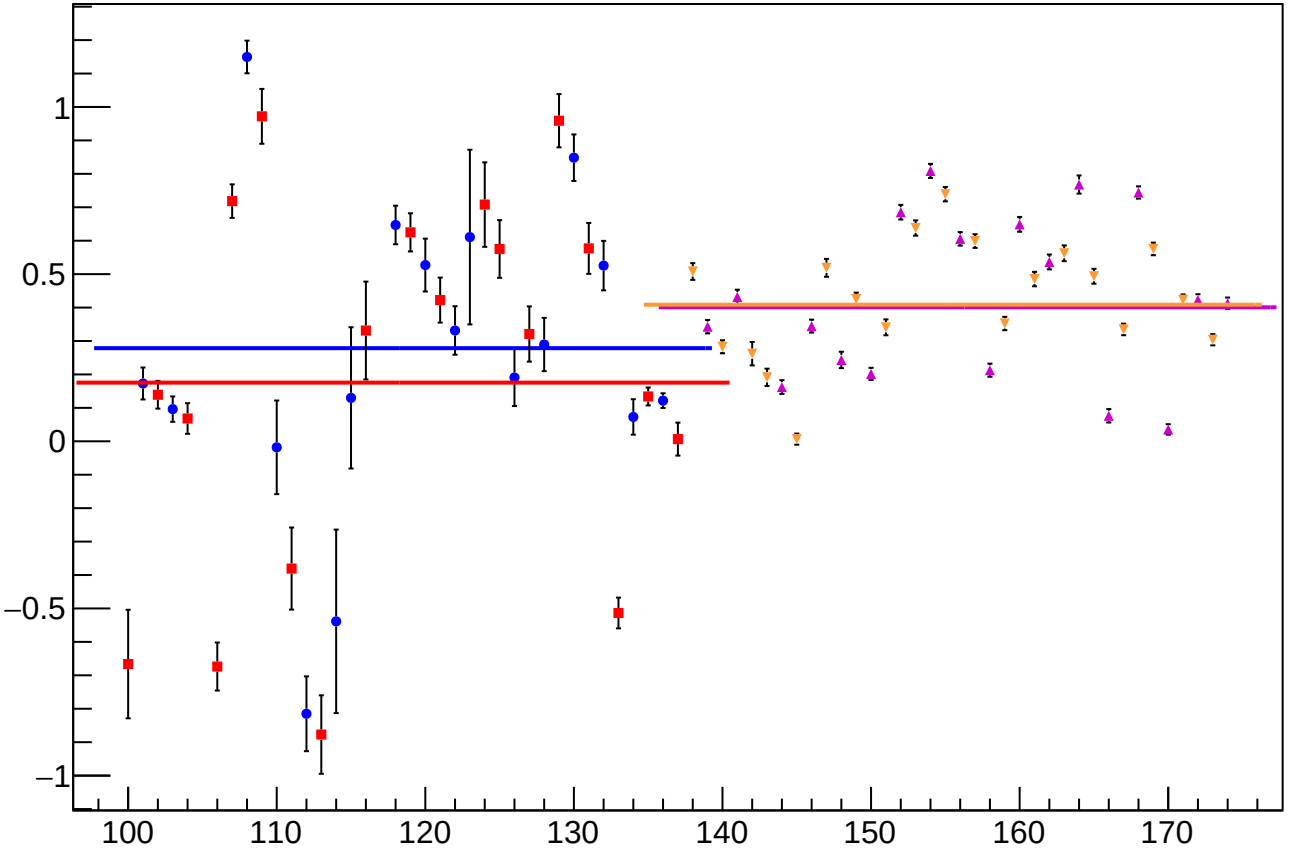
In: 14.470+/-0.116 χ^2/NDF:6028.2/34

Out: 14.698+/-0.117 χ^2/NDF:5250.0/37

All: 14.583+/-0.082 χ^2/NDF: 11280.1/72


reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−20
−40
−60
−80
−100
−120
100
110
120
130
140
150
160
170
Right In: -100.457+/-0.251 χ²/NDF: 4461.1/16
Left Out: -75.805+/-0.102 χ²/NDF:7435.7/18
Right Out: -102.431+/-0.246 χ²/NDF: 6094.3/18
Left In: -73.409+/-0.103 χ²/NDF:7747.2/17
Left: -74.616+/-0.073 χ²/NDF: 15454.3/36
Right: -101.462+/-0.176 χ²/NDF: 10586.9/35
In: -77.329+/-0.095 χ²/NDF:22158.2/34
Out: -79.732+/-0.095 χ²/NDF:23496.3/37
All: -78.542+/-0.067 χ²/NDF: 45974.3/72

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279+/-0.014 χ^2/NDF: 653.9/16

Left Out: 0.409+/-0.005 χ^2/NDF:1390.5/18

Right Out: 0.175+/-0.013 χ^2/NDF: 967.7/18

Left In: 0.401+/-0.005 χ^2/NDF:2552.2/17

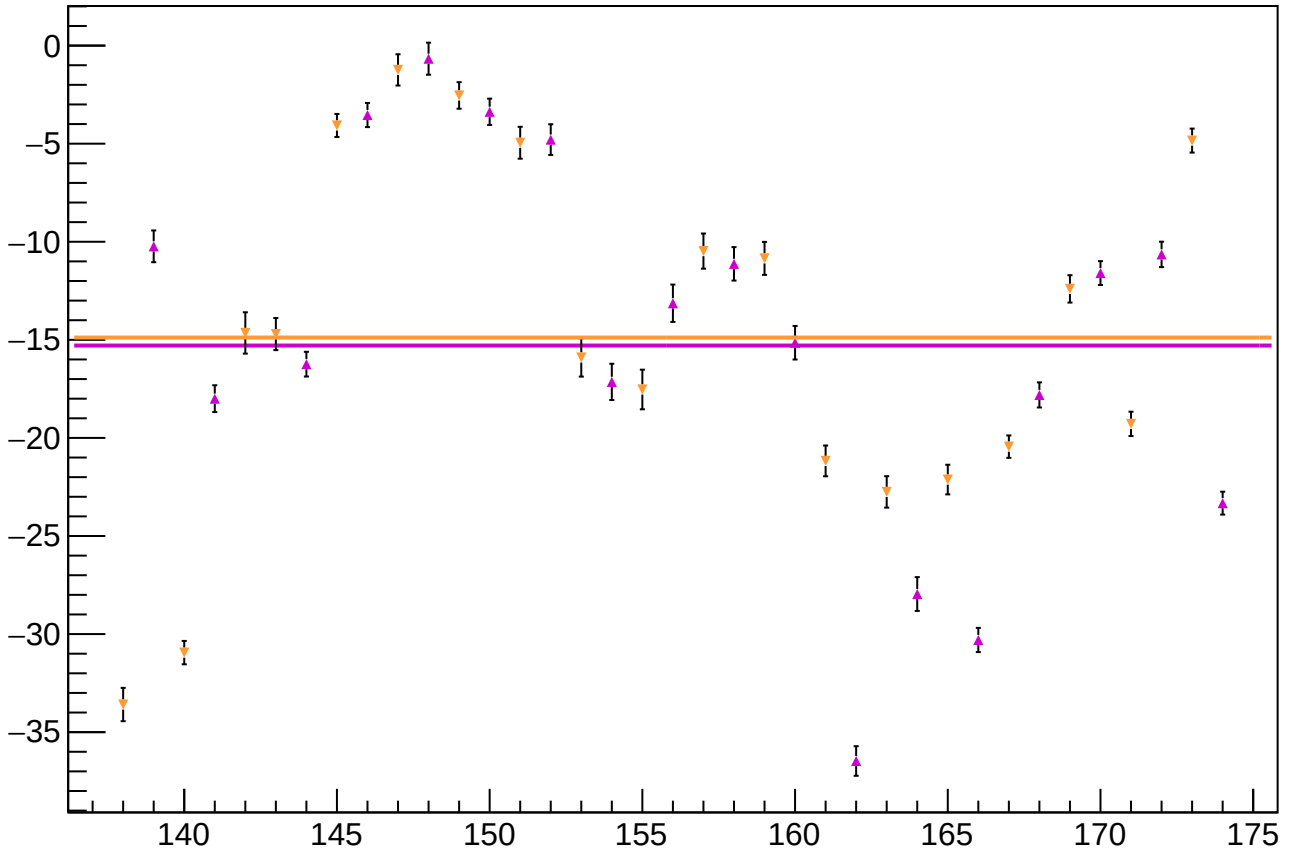
Left: 0.405+/-0.003 χ^2/NDF: 3944.1/36

Right: 0.227+/-0.010 χ^2/NDF: 1650.8/35

In: 0.388+/-0.004 χ^2/NDF:3279.1/34

Out: 0.383+/-0.004 χ^2/NDF:2624.5/37

All: 0.385+/-0.003 χ^2/NDF: 5904.1/72



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: -15.290+/-0.168 χ^2/NDF:3158.3/17

Left: -15.088+/-0.119 χ^2/NDF: 6222.6/36

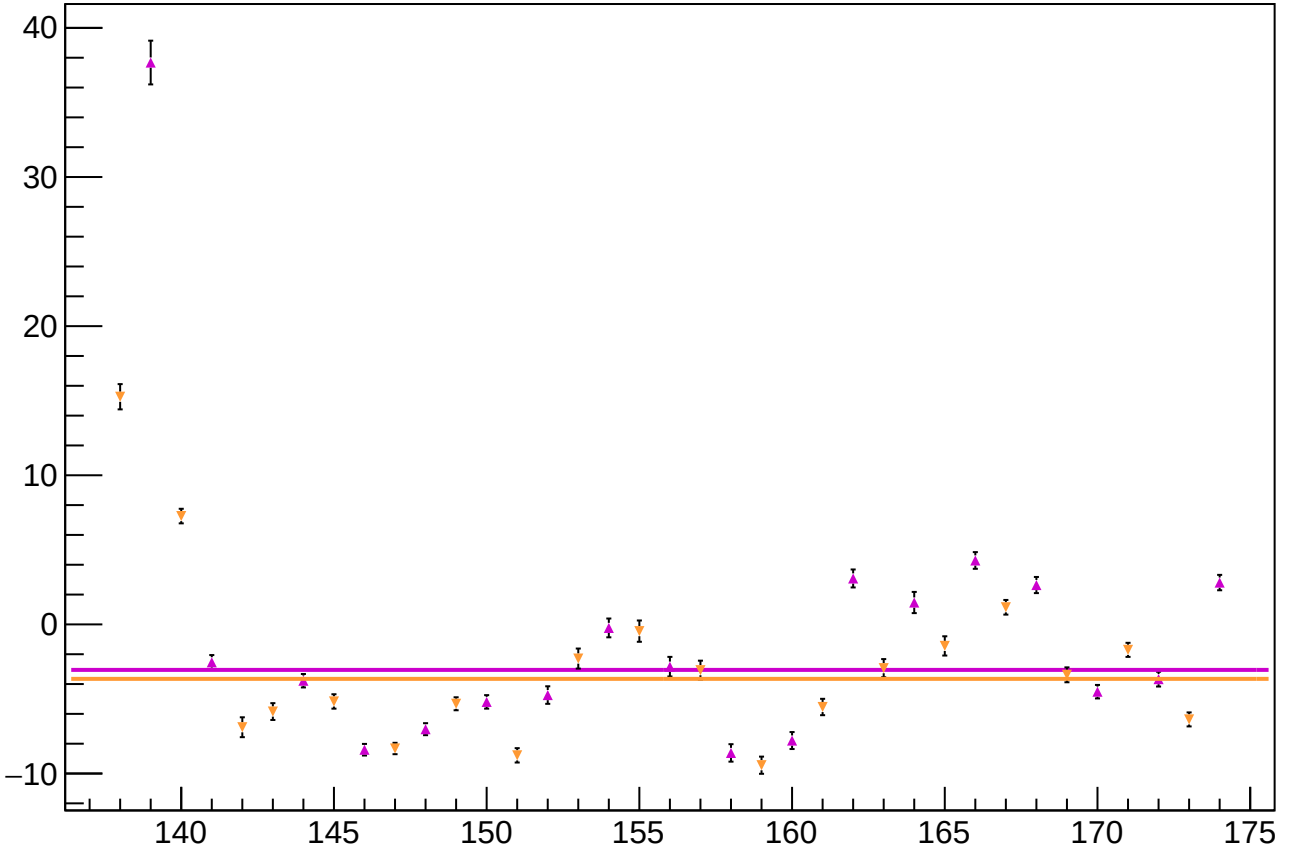
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -15.290+/-0.168 χ^2/NDF:3158.3/17

Out: -14.883+/-0.170 χ^2/NDF:3061.4/18

All: -15.088+/-0.119 χ^2/NDF: 6222.6/36

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: -3.051+/-0.124 χ^2/NDF:1839.2/17

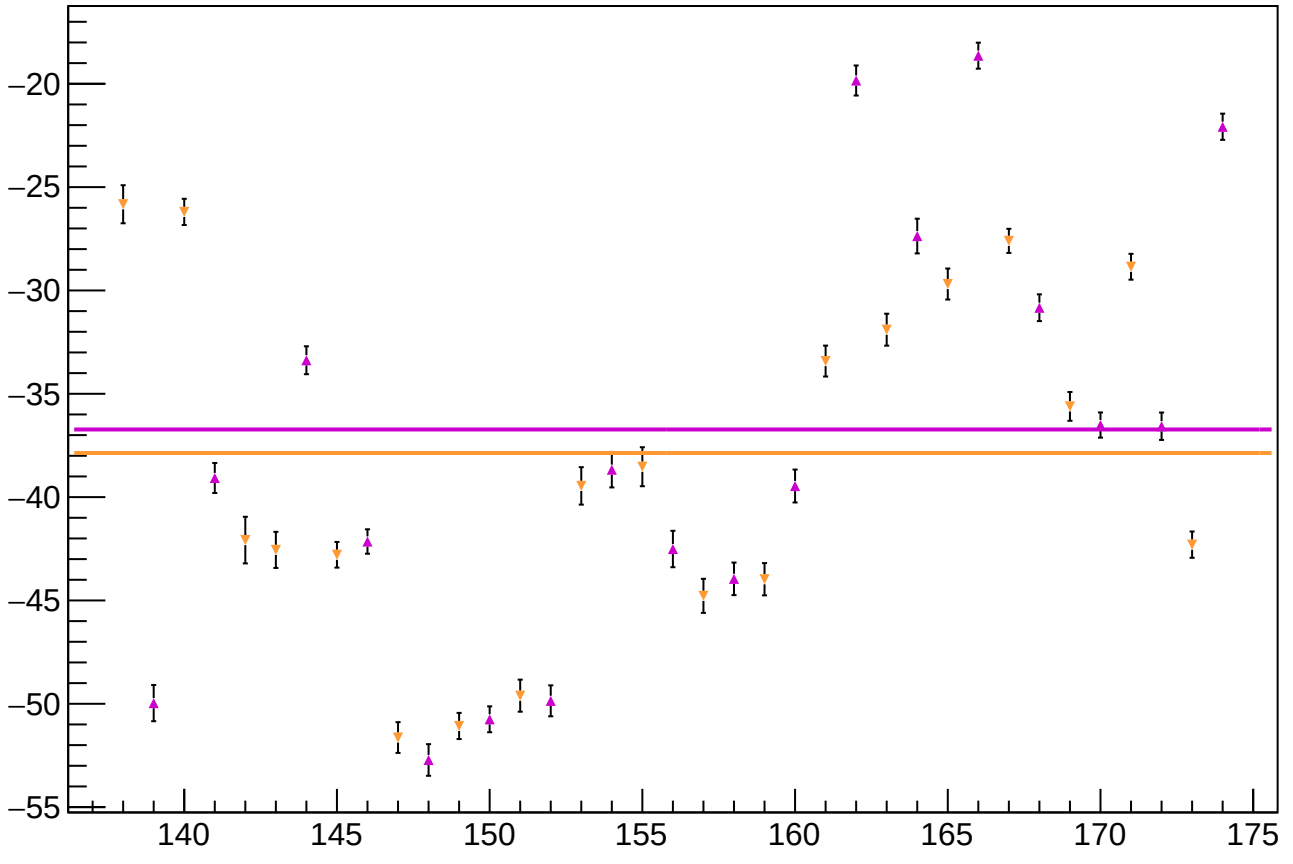
Left: -3.356+/-0.087 χ^2/NDF: 3472.4/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -3.051+/-0.124 χ^2/NDF:1839.2/17

Out: -3.652+/-0.122 χ^2/NDF:1621.2/18

All: -3.356+/-0.087 χ^2/NDF: 3472.4/36



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: -36.727+/-0.167 χ^2/NDF:3843.6/17

Left: -37.290+/-0.119 χ^2/NDF: 6411.7/36

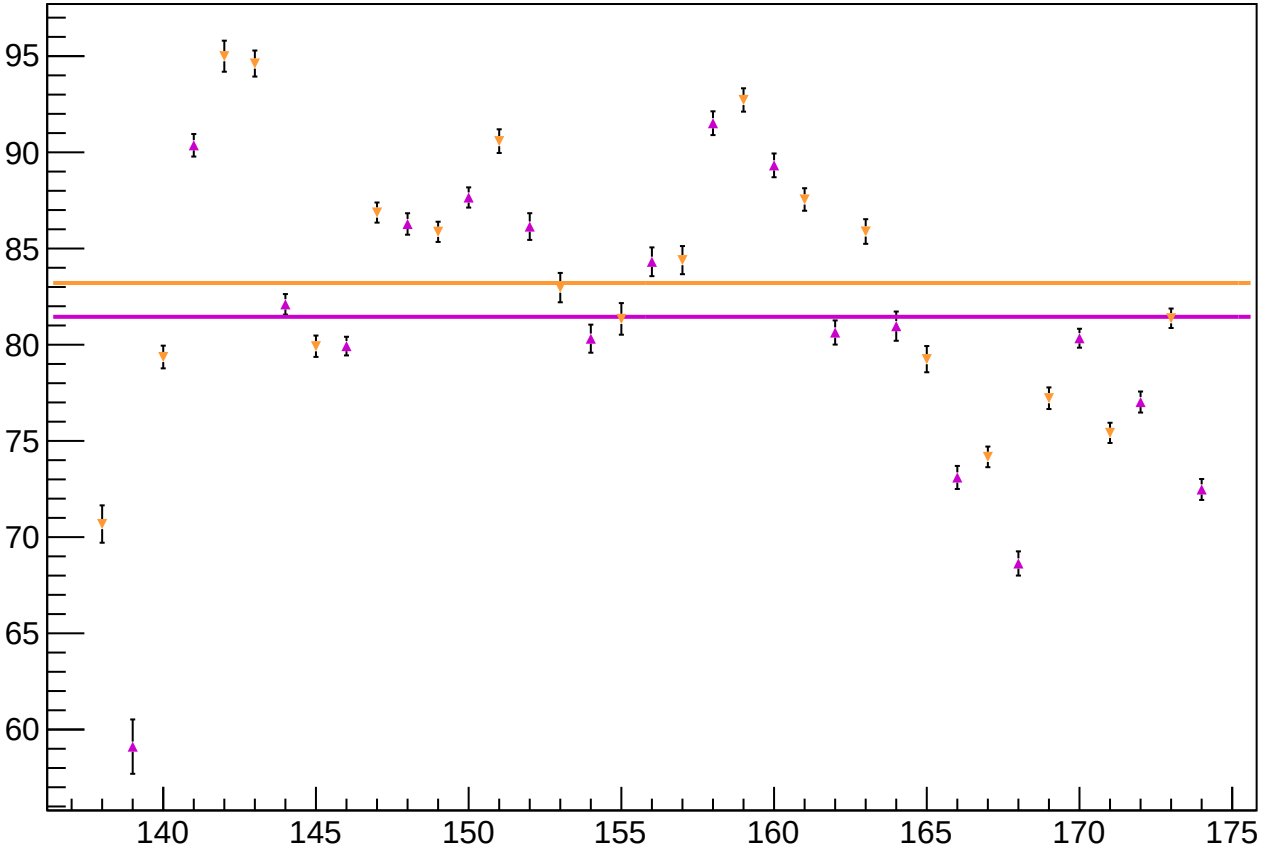
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -36.727+/-0.167 χ^2/NDF:3843.6/17

Out: -37.865+/-0.169 χ^2/NDF:2545.2/18

All: -37.290+/-0.119 χ^2/NDF: 6411.7/36

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: 81.451+/-0.142 χ^2/NDF:2152.9/17

Left: 82.337+/-0.100 χ^2/NDF: 4180.1/36

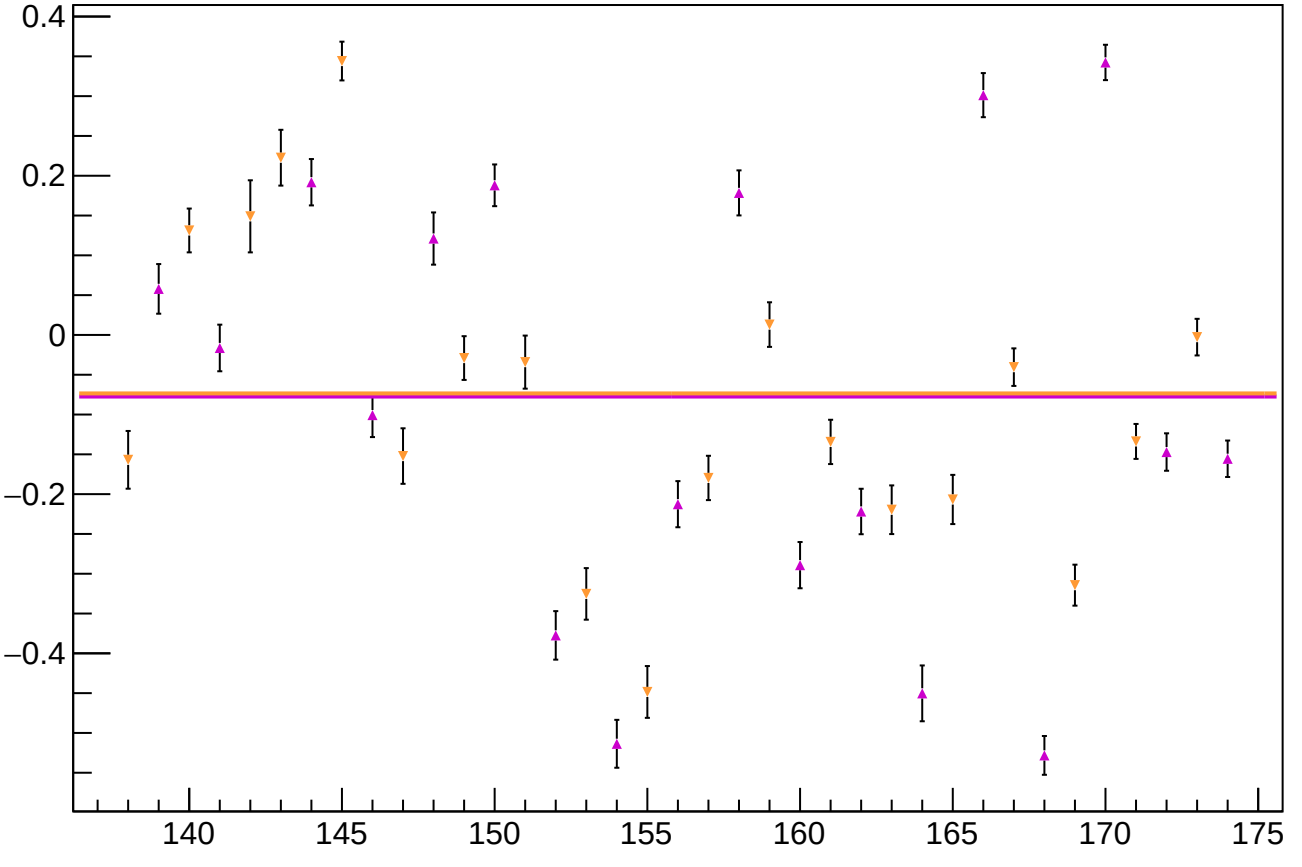
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 81.451+/-0.142 χ^2/NDF:2152.9/17

Out: 83.209+/-0.141 χ^2/NDF:1950.2/18

All: 82.337+/-0.100 χ^2/NDF: 4180.1/36

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: -0.073+/-0.007 χ^2/NDF:829.6/18

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

Left In: -0.077+/-0.007 χ^2/NDF:1757.3/17

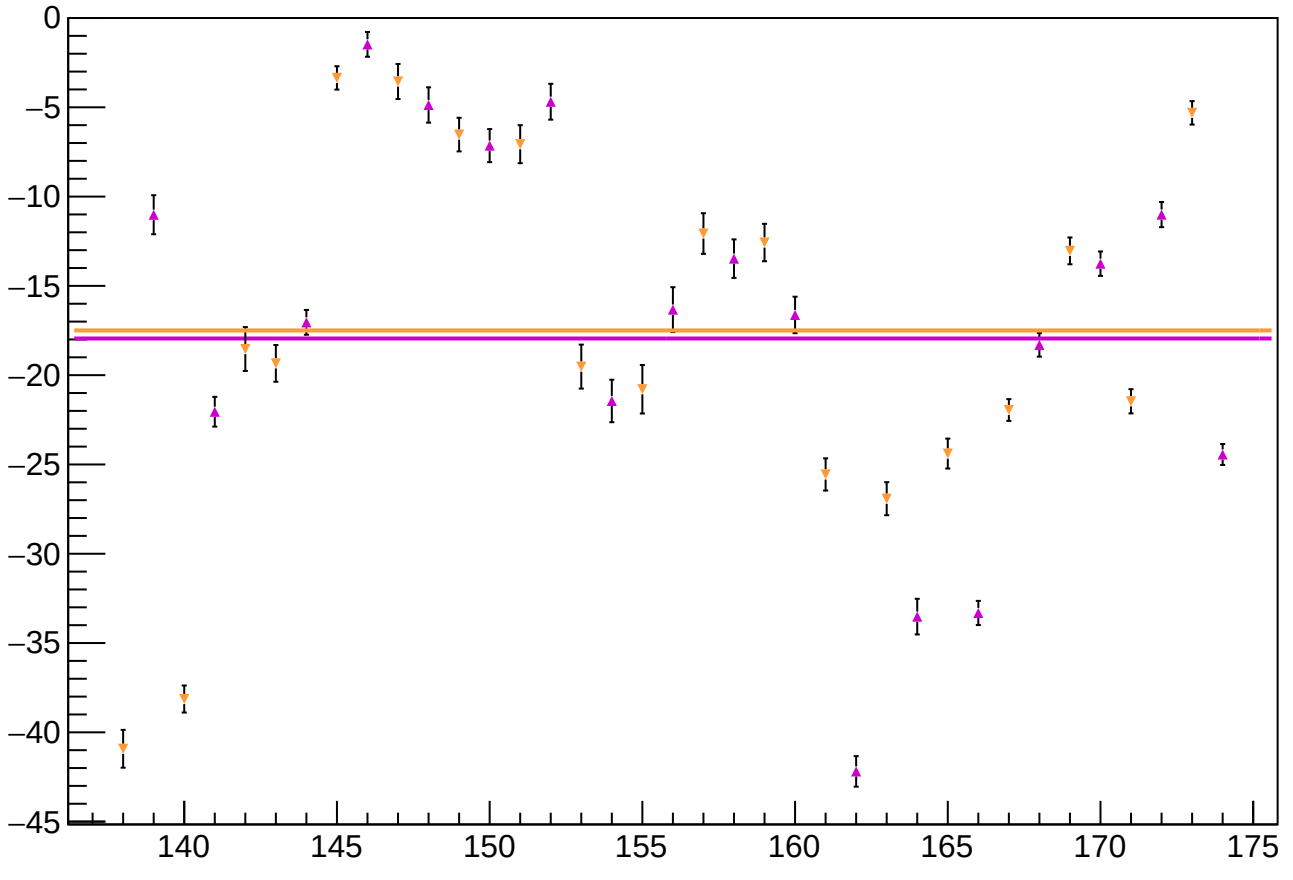
Left: -0.075+/-0.005 χ^2/NDF: 2587.1/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -0.077+/-0.007 χ^2/NDF:1757.3/17

Out: -0.073+/-0.007 χ^2/NDF:829.6/18

All: -0.075+/-0.005 χ^2/NDF: 2587.1/36



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

Left Out: -17.494+/-0.199 χ^2/NDF:2908.6/18

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

Left In: -17.946+/-0.194 χ^2/NDF:2962.8/17

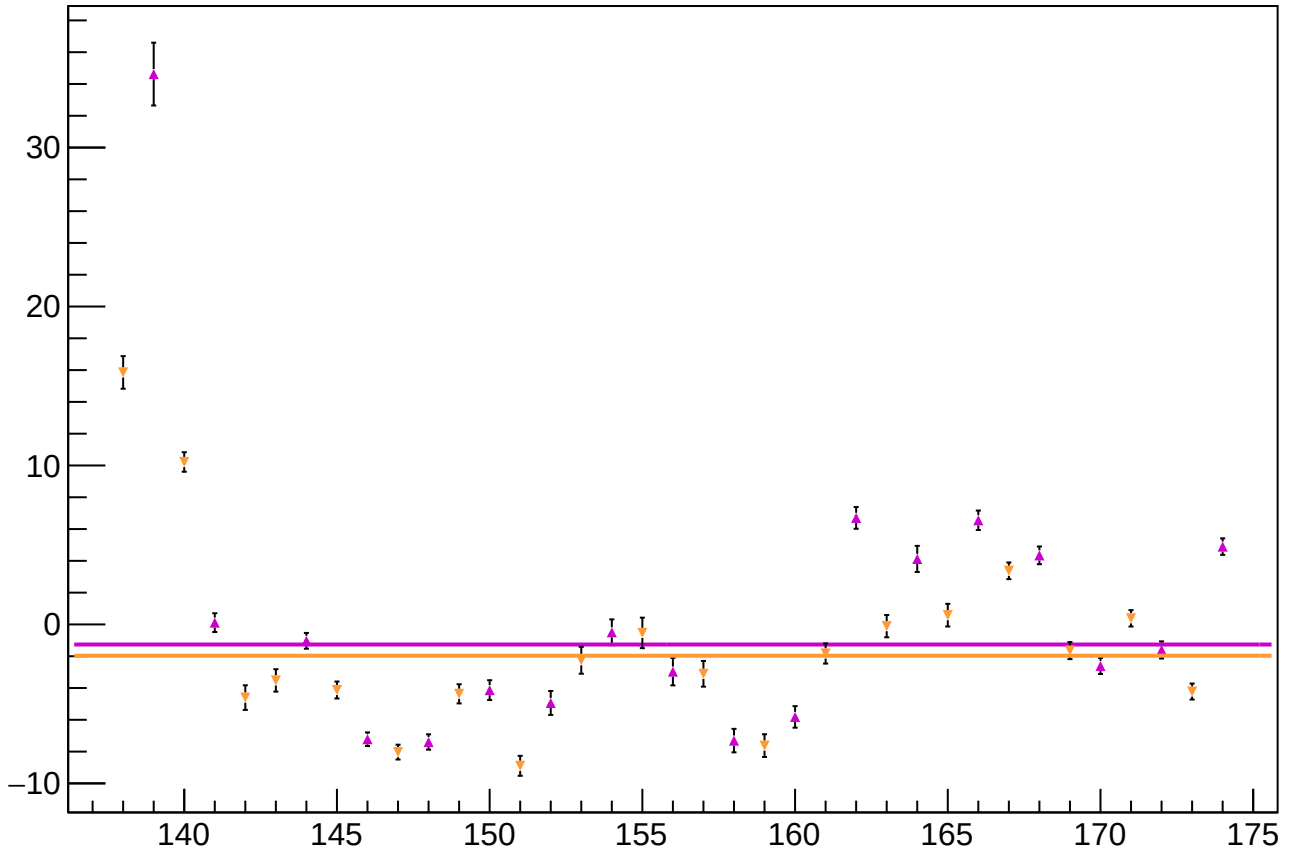
Left: -17.726+/-0.139 χ^2/NDF: 5874.1/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -17.946+/-0.194 χ^2/NDF:2962.8/17

Out: -17.494+/-0.199 χ^2/NDF:2908.6/18

All: -17.726+/-0.139 χ^2/NDF: 5874.1/36



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: -1.264+/-0.143 χ^2/NDF:1444.3/17

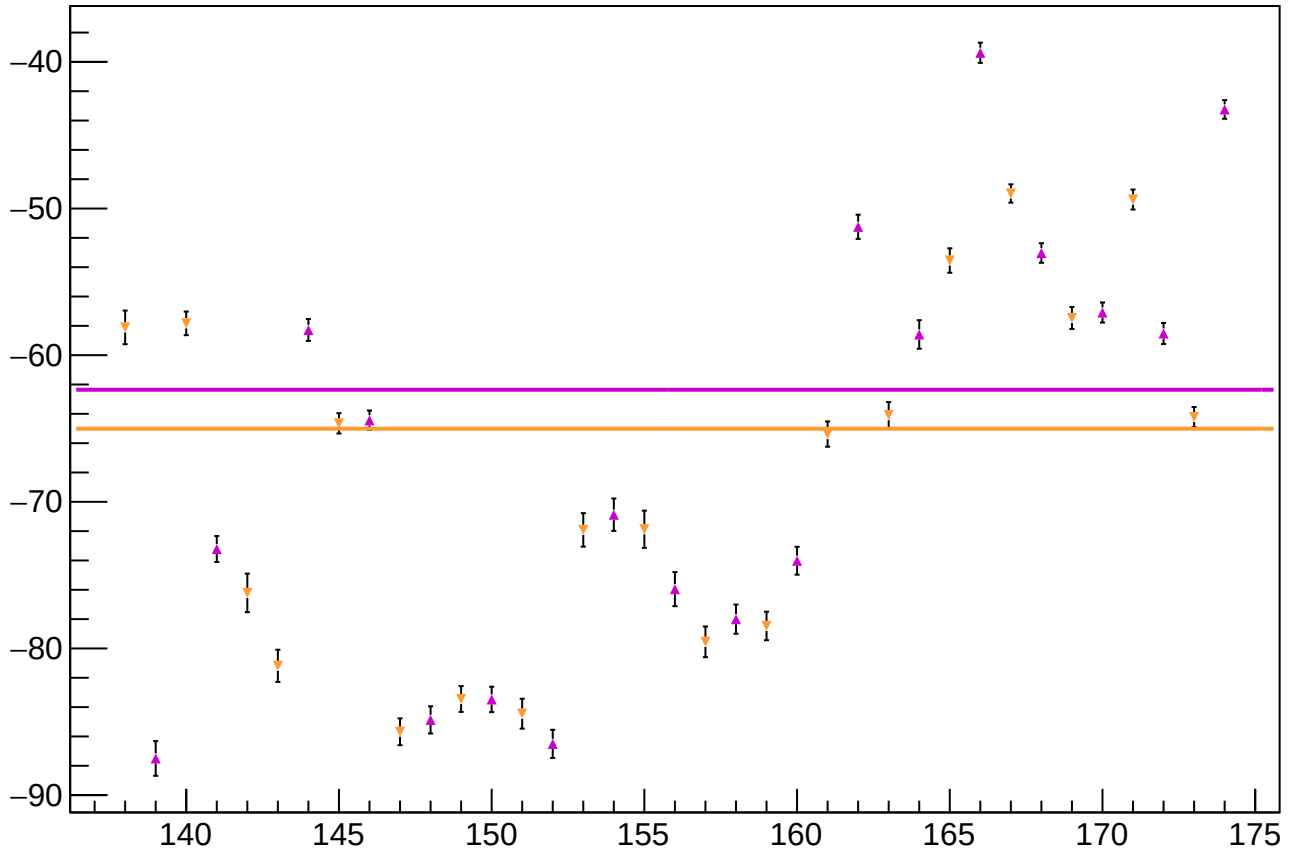
Left: -1.613+/-0.102 χ^2/NDF: 2721.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -1.264+/-0.143 χ^2/NDF:1444.3/17

Out: -1.967+/-0.144 χ^2/NDF:1265.5/18

All: -1.613+/-0.102 χ^2/NDF: 2721.7/36



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: -62.356+/-0.193 χ^2/NDF:5543.7/17

Left: -63.648+/-0.139 χ^2/NDF: 9277.9/36

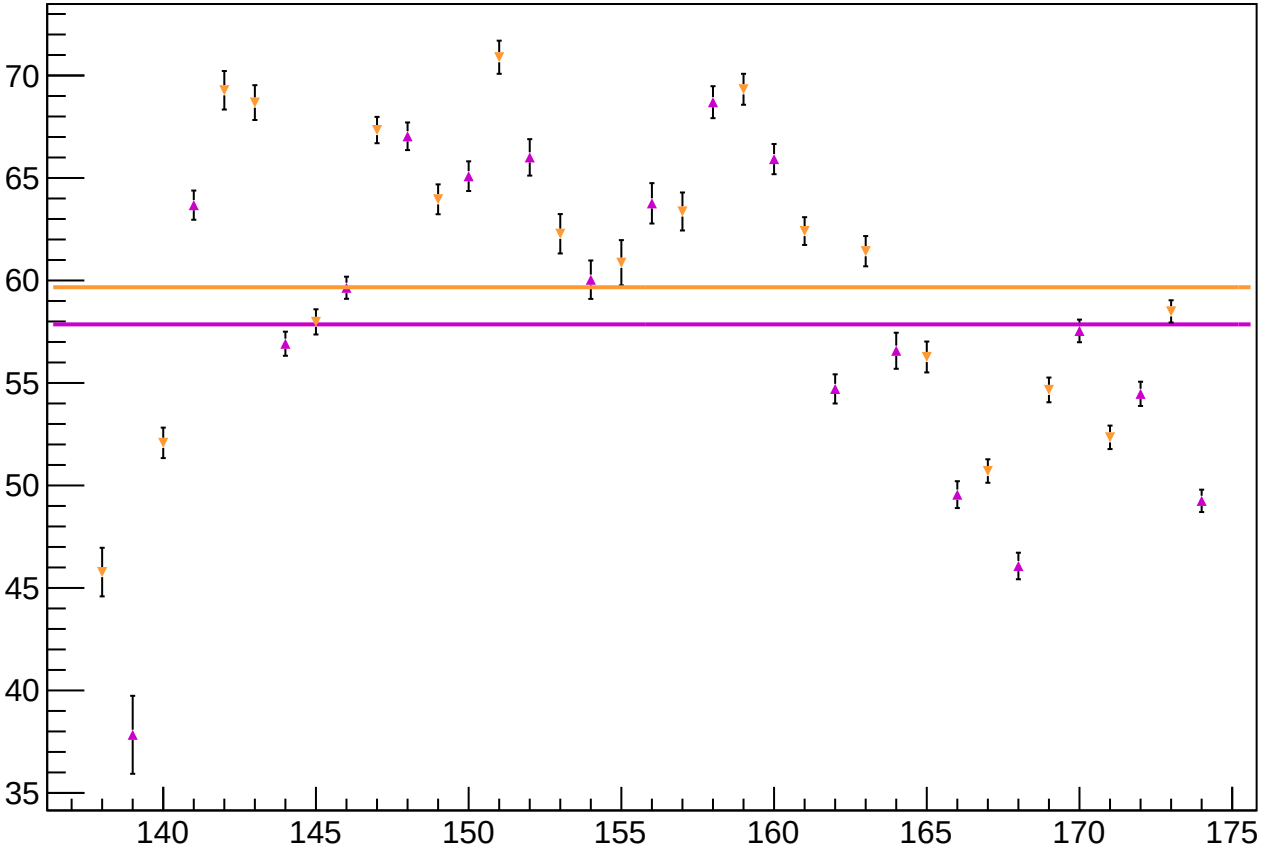
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -62.356+/-0.193 χ^2/NDF:5543.7/17

Out: -65.014+/-0.199 χ^2/NDF:3642.4/18

All: -63.648+/-0.139 χ^2/NDF: 9277.9/36

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: 57.858+/-0.164 χ^2/NDF:1710.1/17

Left: 58.755+/-0.117 χ^2/NDF: 3319.1/36

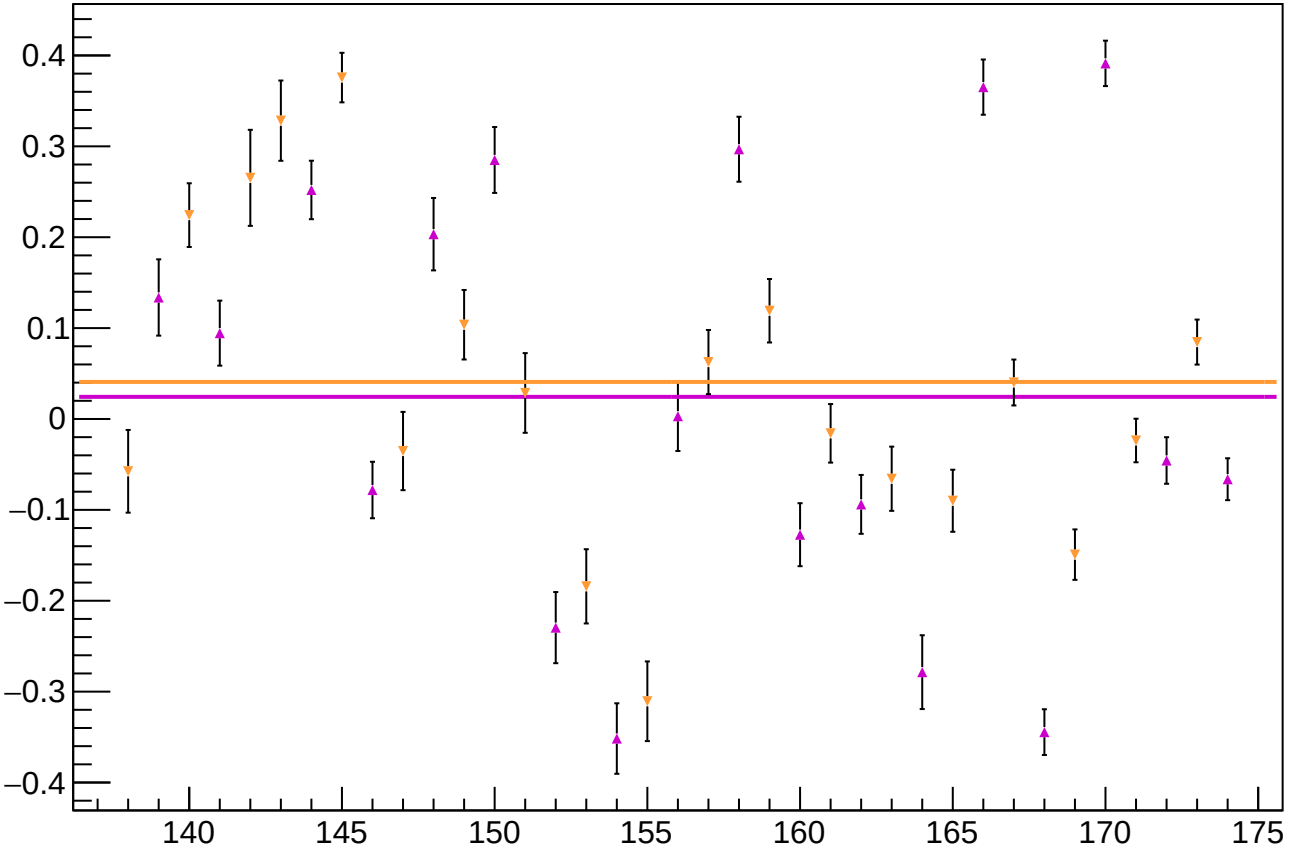
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 57.858+/-0.164 χ^2/NDF:1710.1/17

Out: 59.670+/-0.166 χ^2/NDF:1548.7/18

All: 58.755+/-0.117 χ^2/NDF: 3319.1/36

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.041+/-0.008 χ^2/NDF:433.5/18

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

Left In: 0.024+/-0.008 χ^2/NDF:1005.4/17

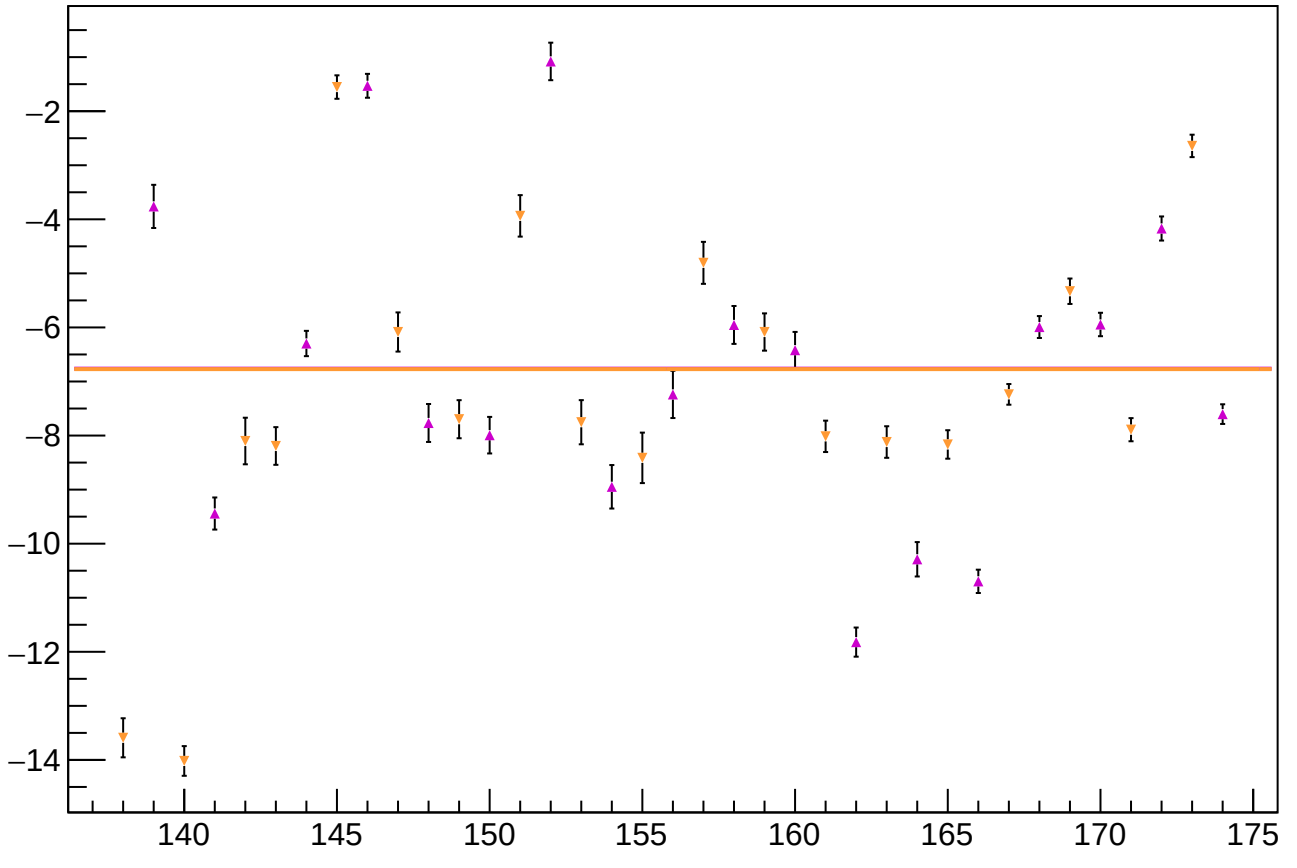
Left: 0.032+/-0.005 χ^2/NDF: 1441.2/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.024+/-0.008 χ^2/NDF:1005.4/17

Out: 0.041+/-0.008 χ^2/NDF:433.5/18

All: 0.032+/-0.005 χ^2/NDF: 1441.2/36



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: -6.763+/-0.063 χ^2/NDF:2022.5/17

Left: -6.767+/-0.045 χ^2/NDF: 4326.9/36

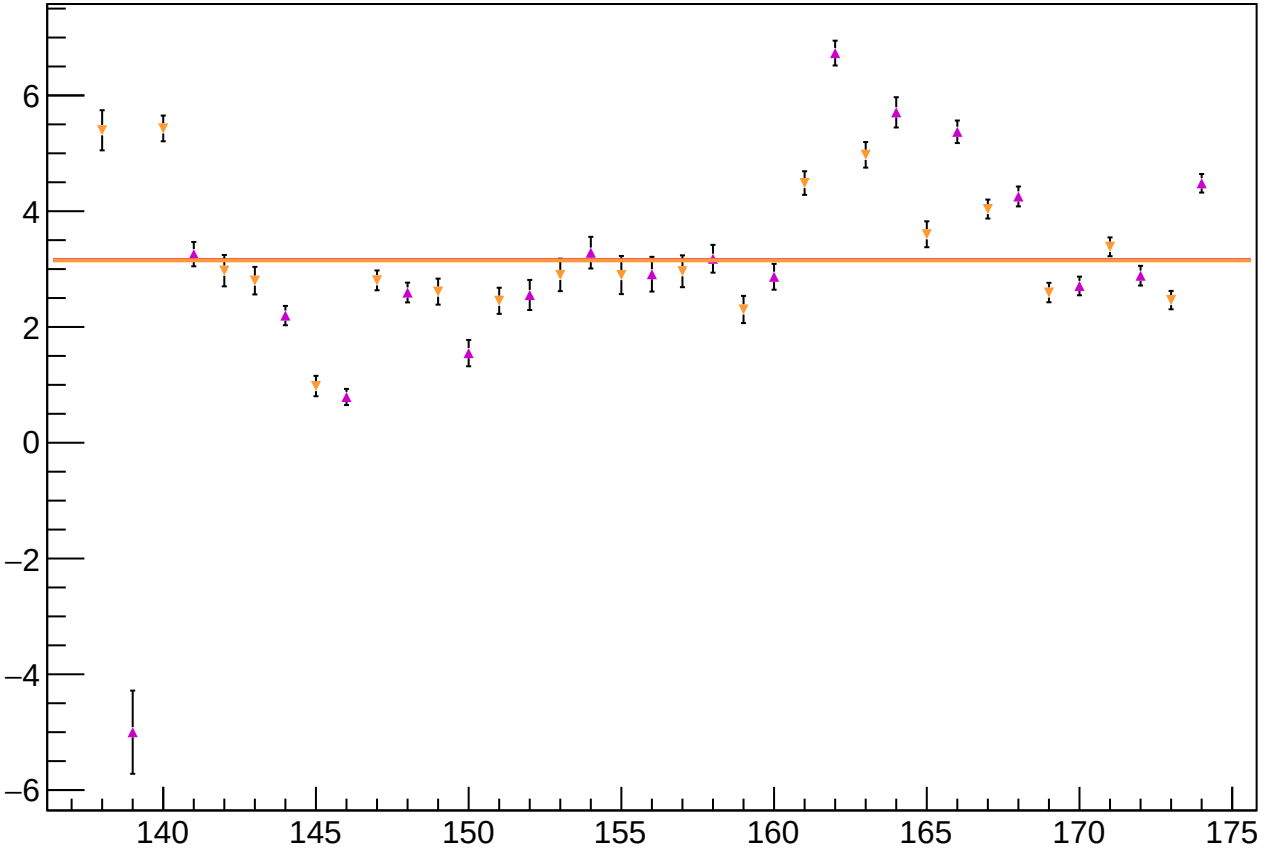
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -6.763+/-0.063 χ^2/NDF:2022.5/17

Out: -6.771+/-0.066 χ^2/NDF:2304.4/18

All: -6.767+/-0.045 χ^2/NDF: 4326.9/36

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: 3.151+/-0.048 χ^2/NDF:511.6/18

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

Left In: 3.158+/-0.047 χ^2/NDF:1140.1/17

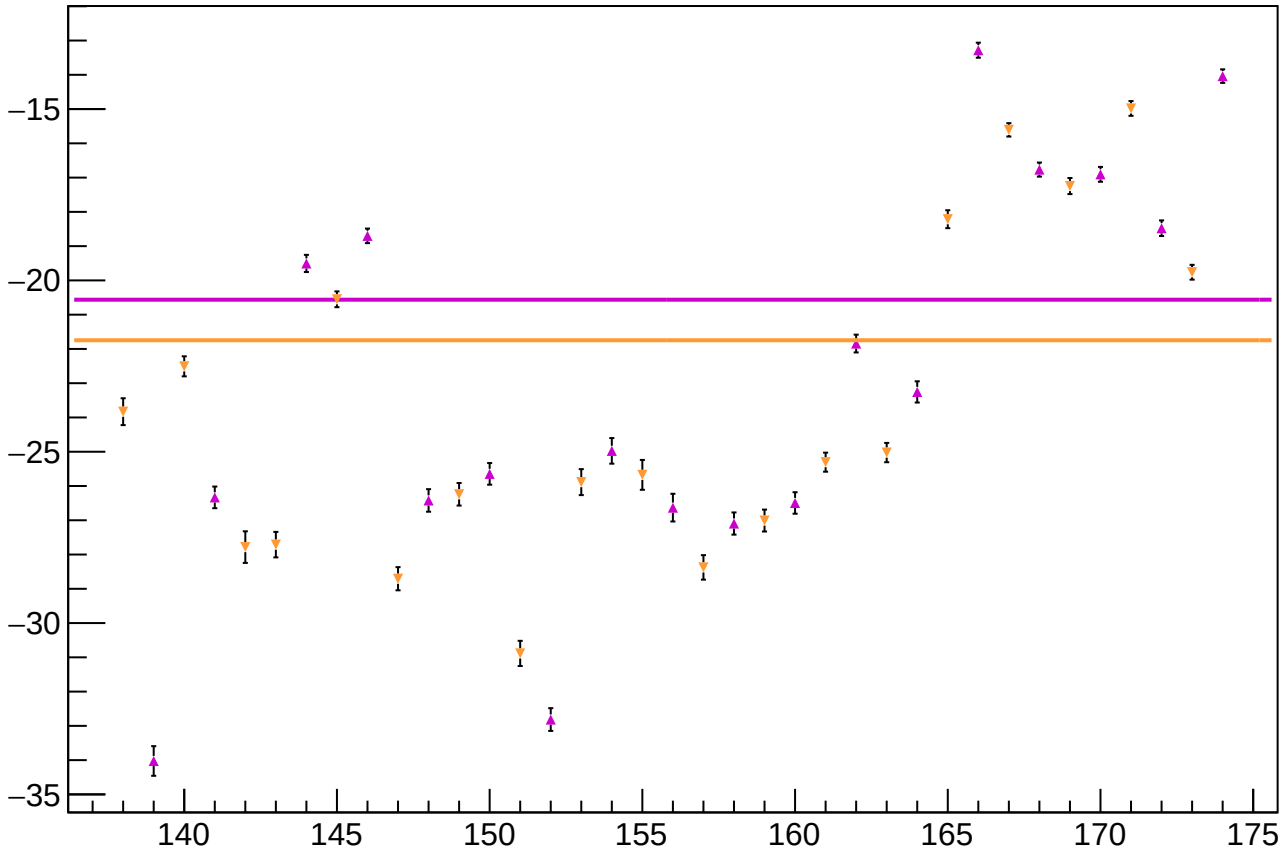
Left: 3.154+/-0.034 χ^2/NDF: 1651.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 3.158+/-0.047 χ^2/NDF:1140.1/17

Out: 3.151+/-0.048 χ^2/NDF:511.6/18

All: 3.154+/-0.034 χ^2/NDF: 1651.7/36



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: -20.563+/-0.063 χ^2/NDF:7464.0/17

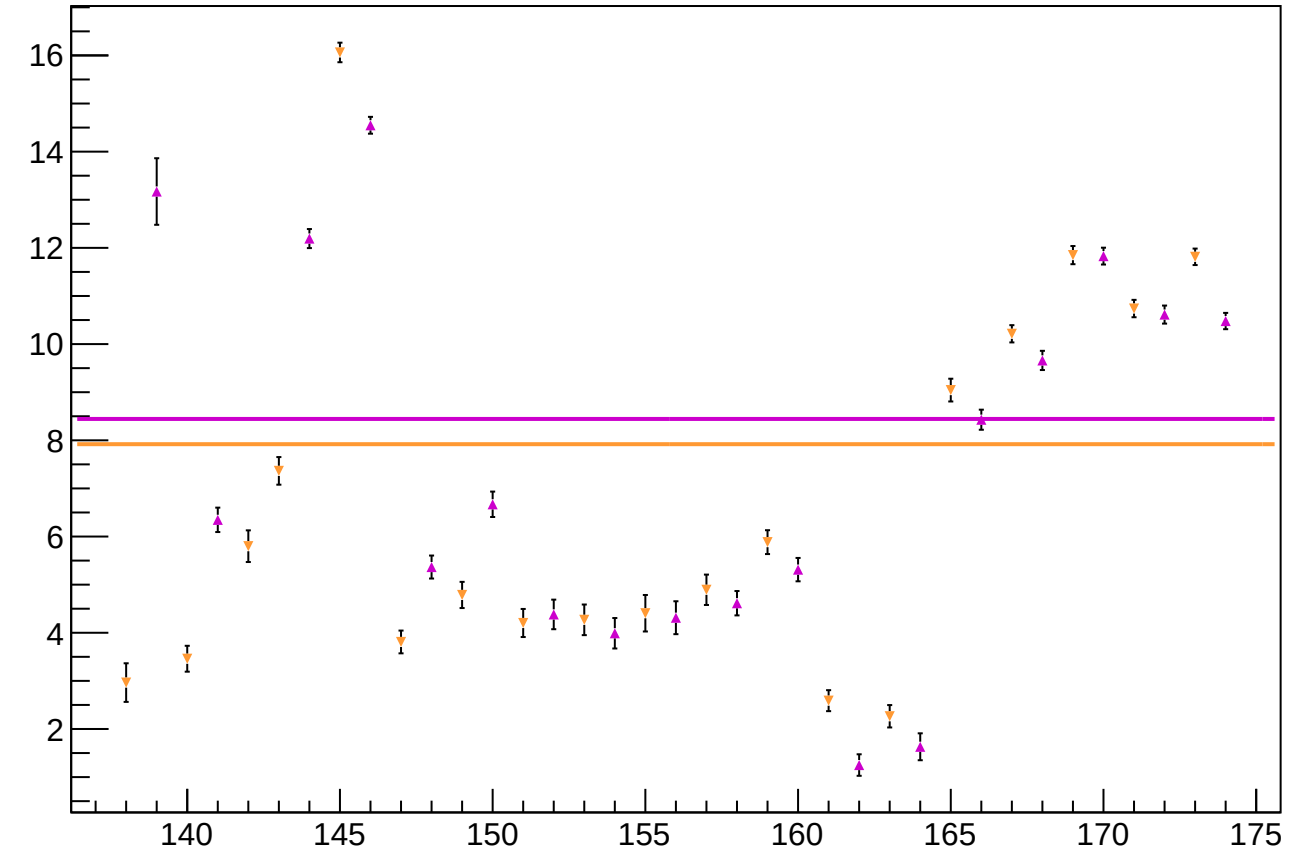
Left: -21.131+/-0.046 χ^2/NDF: 13070.0/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -20.563+/-0.063 χ^2/NDF:7464.0/17

Out: -21.746+/-0.066 χ^2/NDF:5437.5/18

All: -21.131+/-0.046 χ^2/NDF: 13070.0/36



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

Left Out: 7.920+/-0.055 χ^2/NDF:5621.6/18

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

Left In: 8.444+/-0.054 χ^2/NDF:5135.3/17

Left: 8.187+/-0.038 χ^2/NDF: 10803.7/36

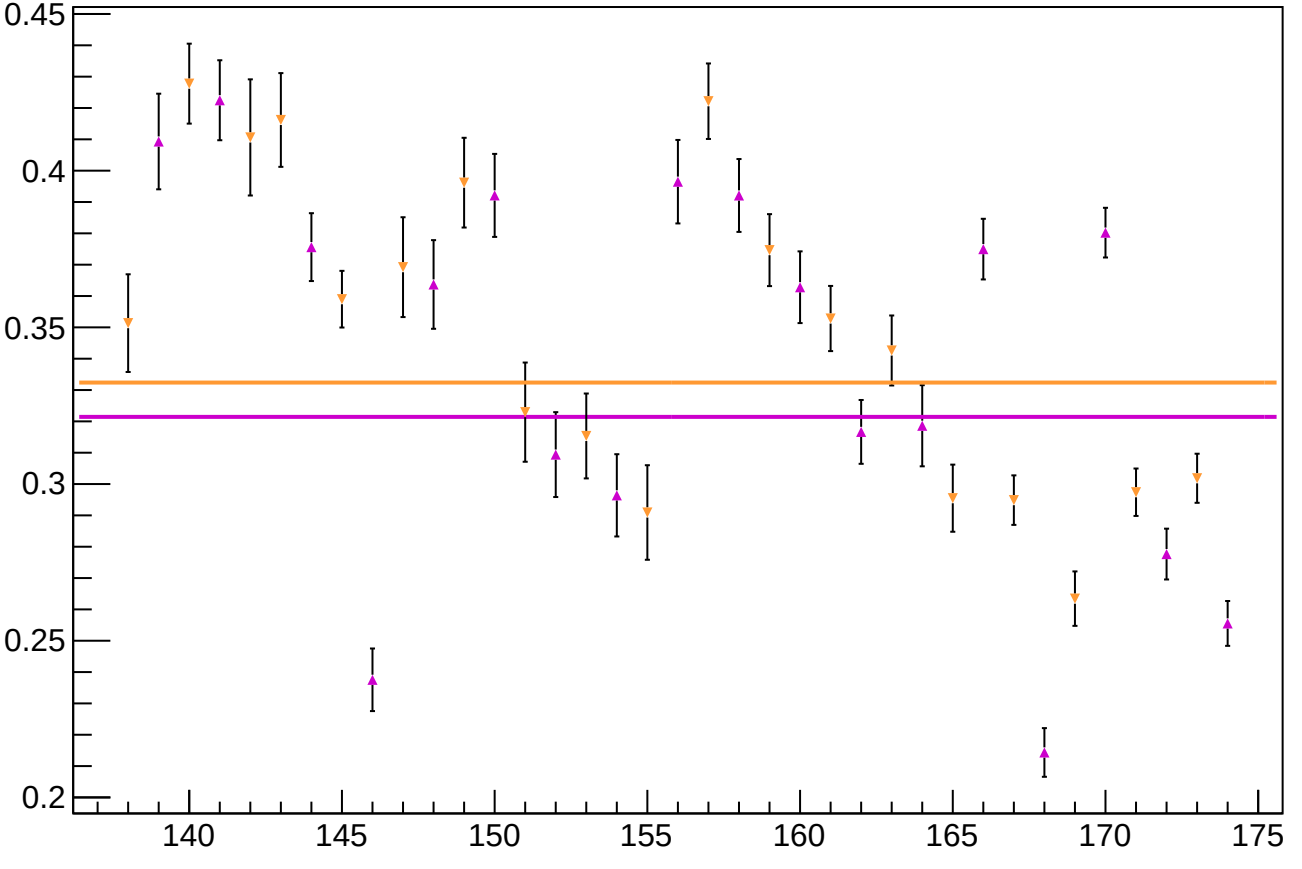
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 8.444+/-0.054 χ^2/NDF:5135.3/17

Out: 7.920+/-0.055 χ^2/NDF:5621.6/18

All: 8.187+/-0.038 χ^2/NDF: 10803.7/36

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.332+/-0.003 χ^2/NDF:357.7/18

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

Left In: 0.321+/-0.002 χ^2/NDF:704.9/17

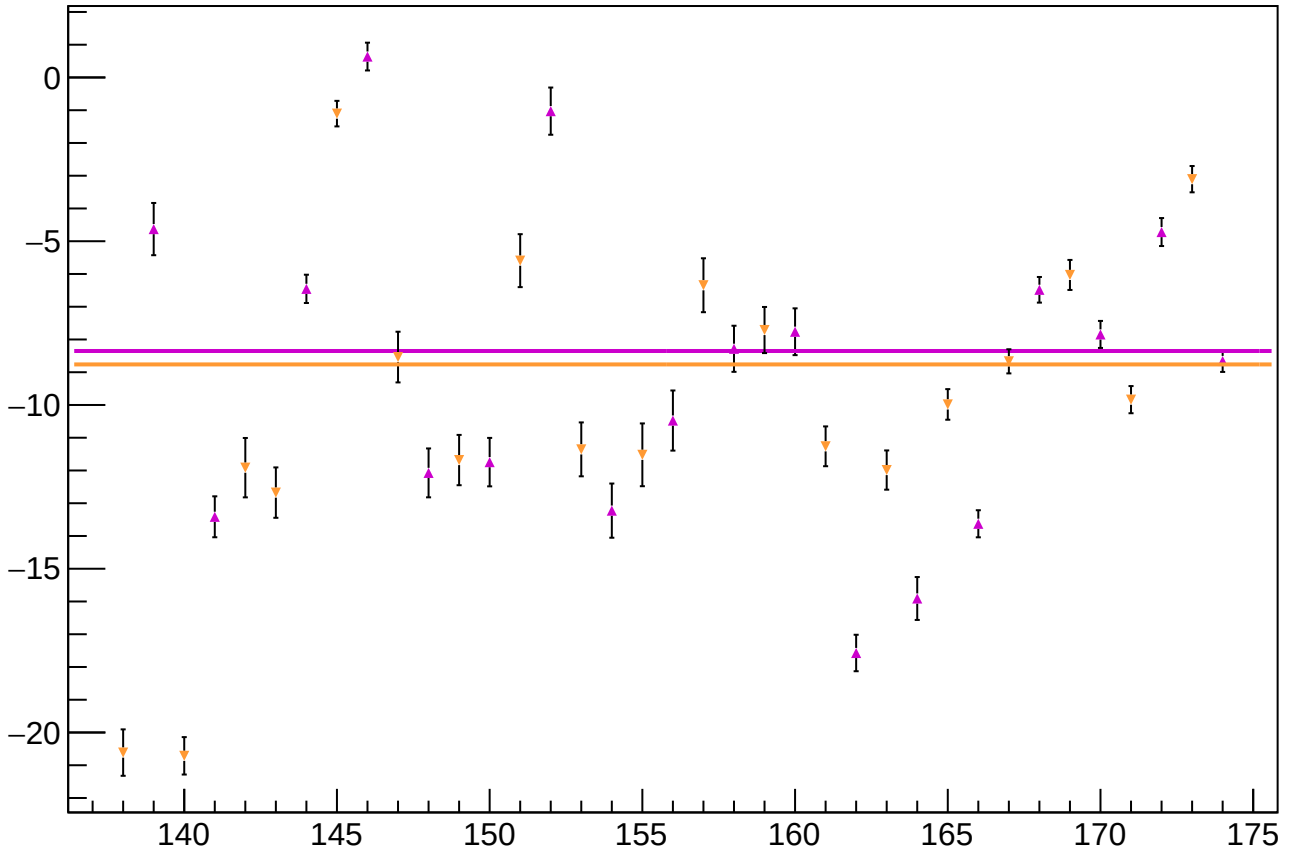
Left: 0.327+/-0.002 χ^2/NDF: 1072.2/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.321+/-0.002 χ^2/NDF:704.9/17

Out: 0.332+/-0.003 χ^2/NDF:357.7/18

All: 0.327+/-0.002 χ^2/NDF: 1072.2/36



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: -8.352+/-0.124 χ^2/NDF:1413.3/17

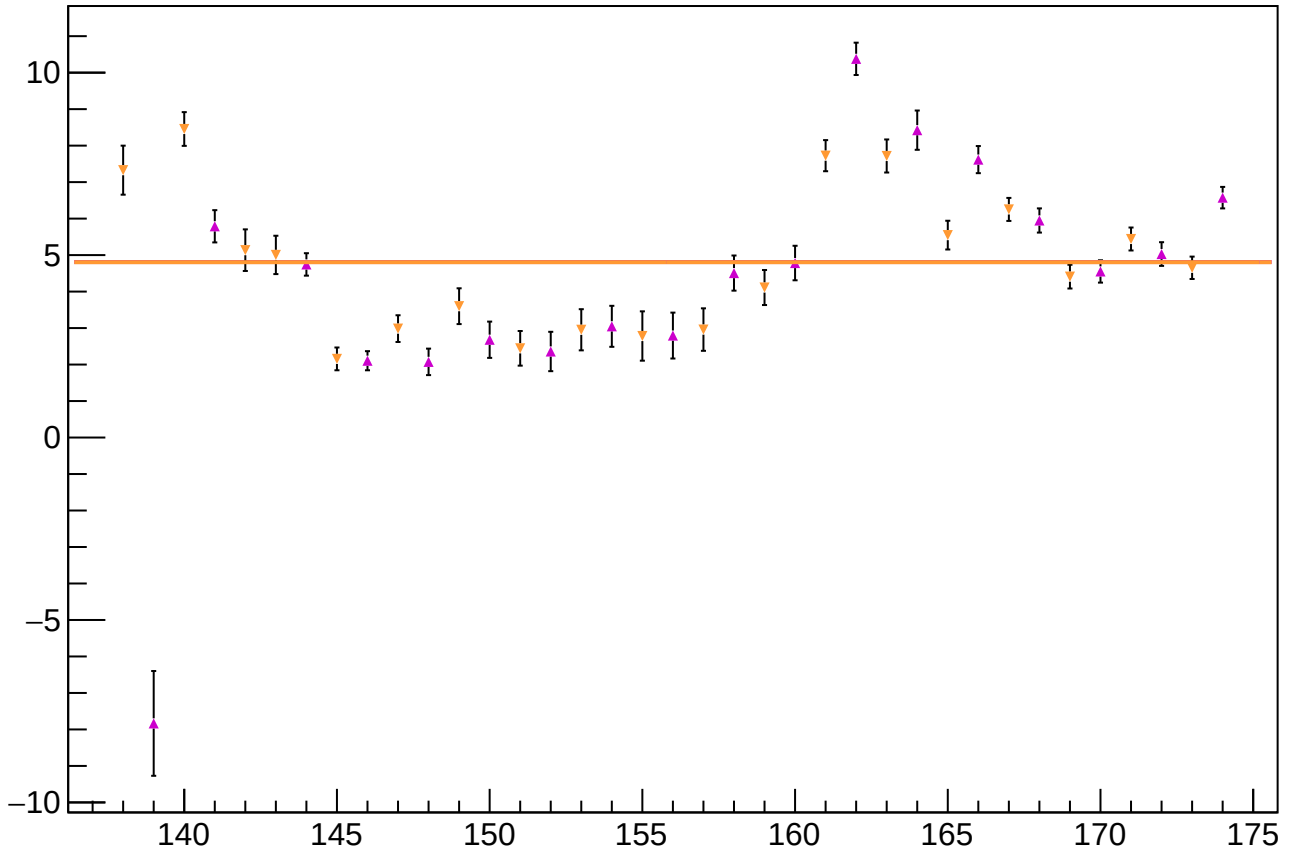
Left: -8.547+/-0.089 χ^2/NDF: 2911.5/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -8.352+/-0.124 χ^2/NDF:1413.3/17

Out: -8.762+/-0.129 χ^2/NDF:1493.0/18

All: -8.547+/-0.089 χ^2/NDF: 2911.5/36



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

Left Out: 4.806+/-0.096 χ^2/NDF:354.9/18

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

Left In: 4.810+/-0.093 χ^2/NDF:614.3/17

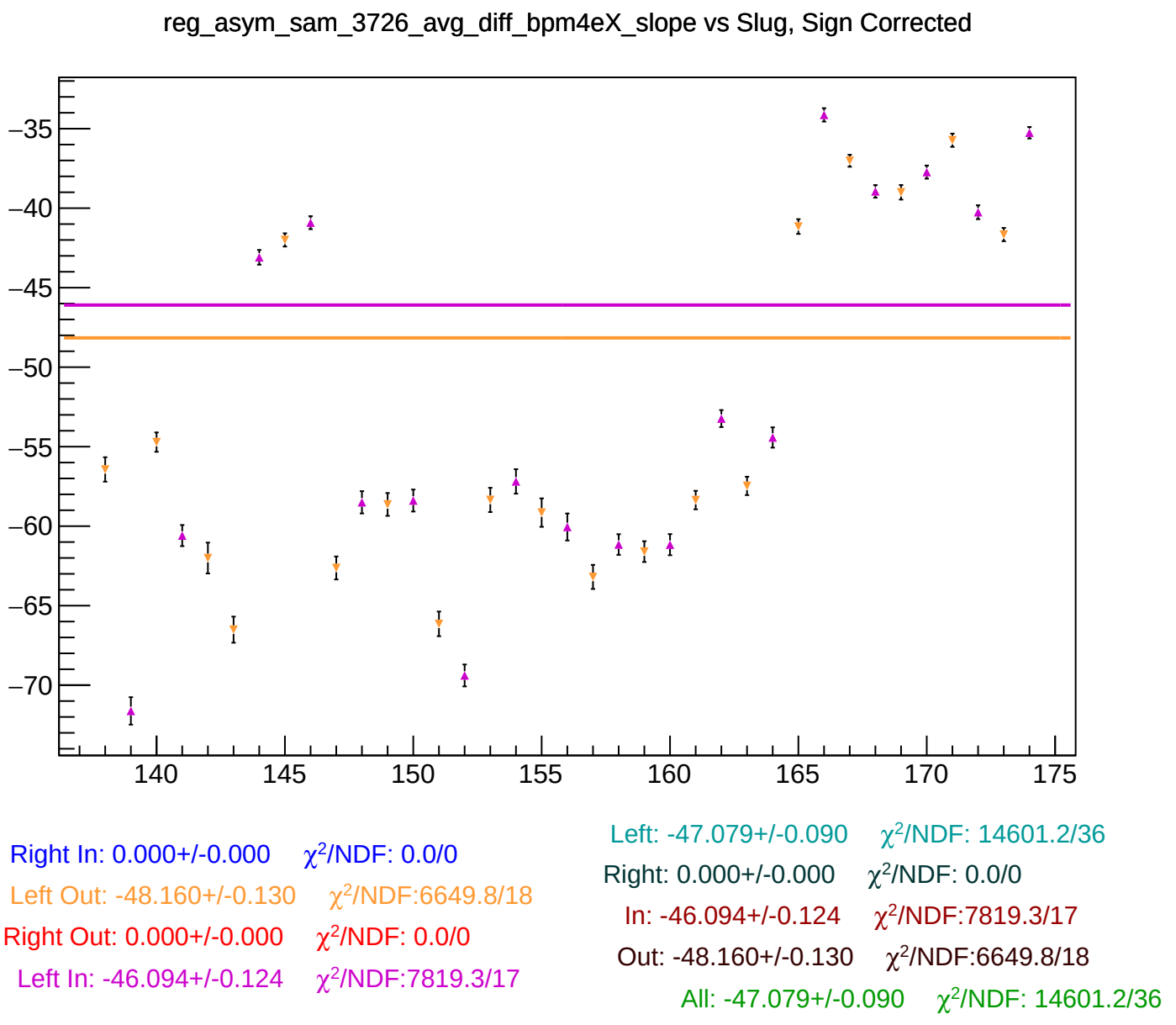
Left: 4.808+/-0.066 χ^2/NDF: 969.2/36

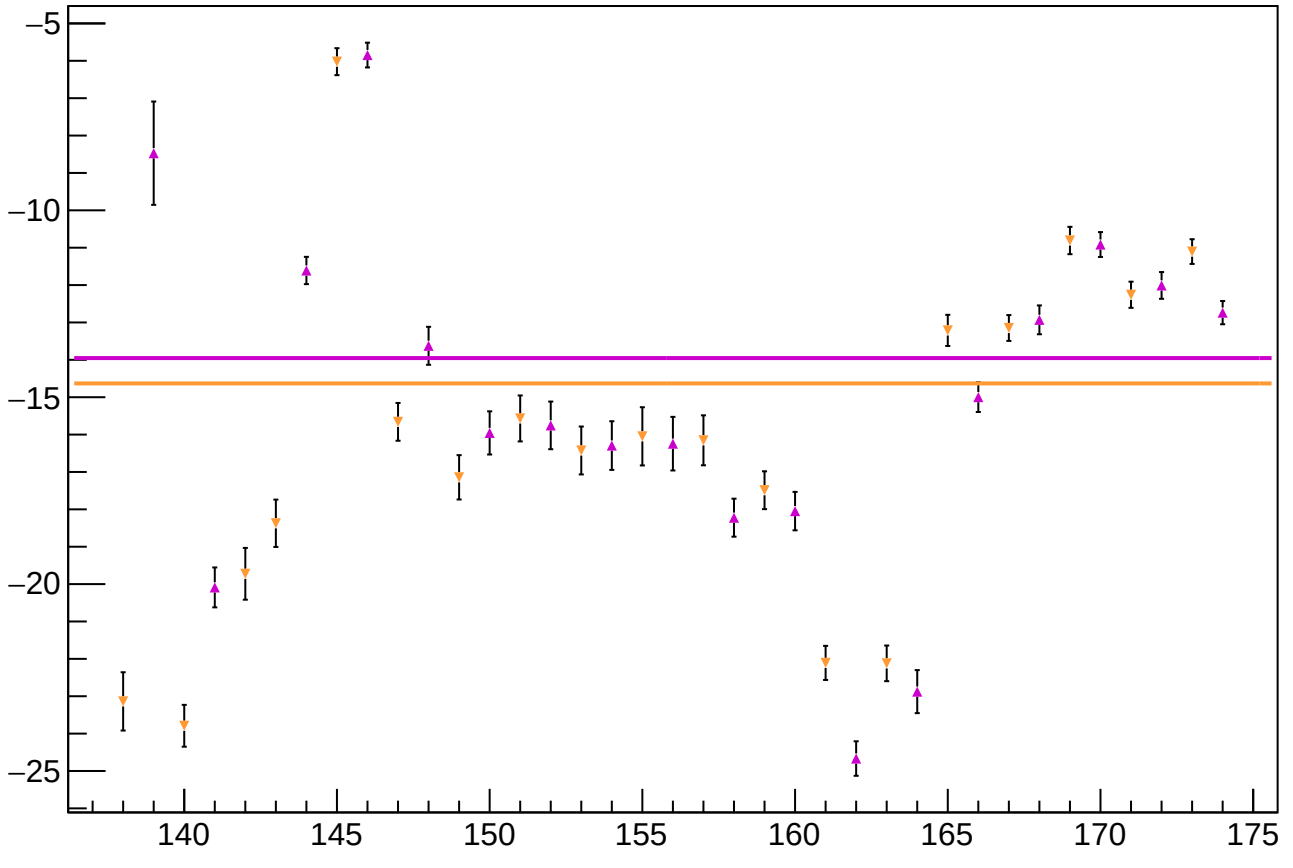
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 4.810+/-0.093 χ^2/NDF:614.3/17

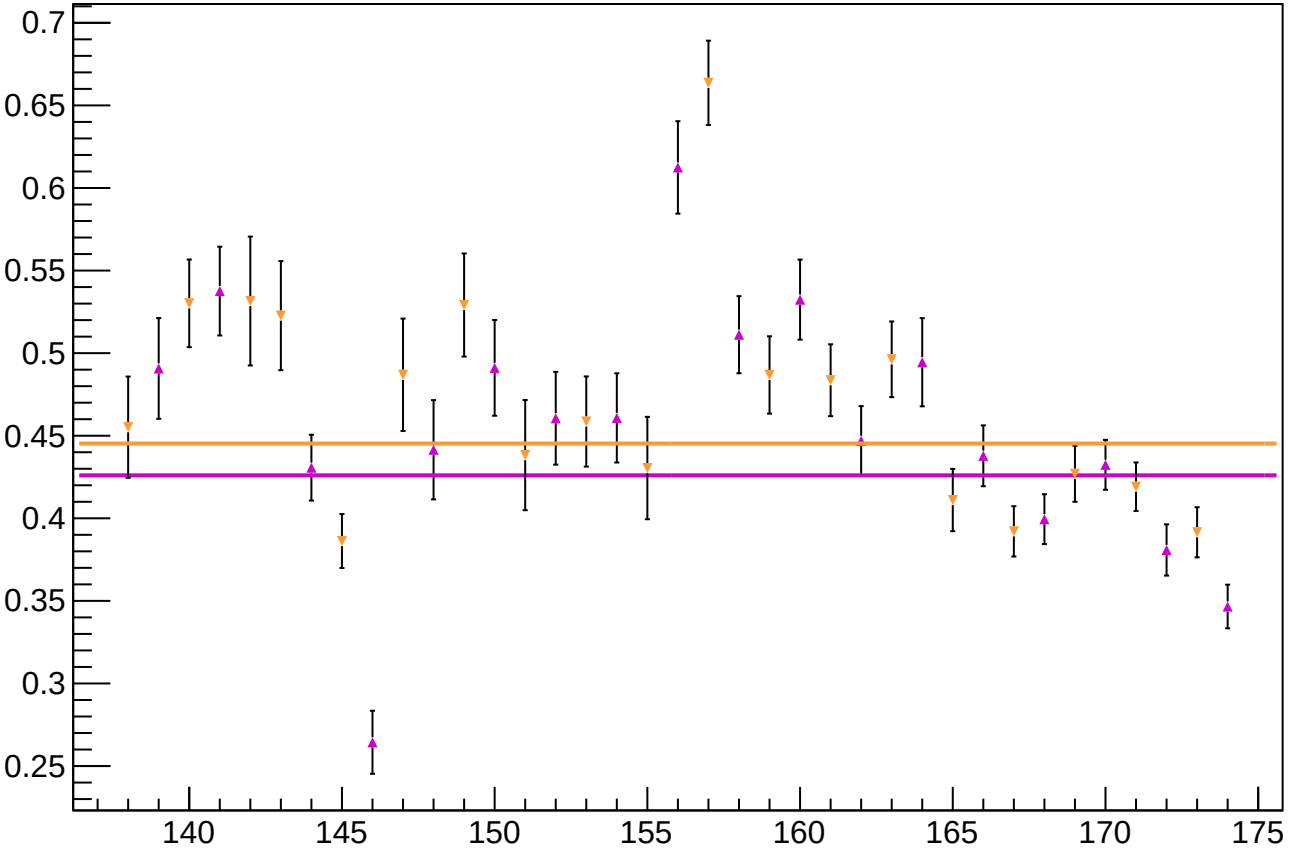
Out: 4.806+/-0.096 χ^2/NDF:354.9/18

All: 4.808+/-0.066 χ^2/NDF: 969.2/36


reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
−35
−40
−45
−50
−55
−60
−65
−70
140
145
150
155
160
165
170
175
Right In: 0.000+/-0.000 χ²/NDF: 0.0/0
Left Out: -48.160+/-0.130 χ²/NDF:6649.8/18
Right Out: 0.000+/-0.000 χ²/NDF: 0.0/0
Left In: -46.094+/-0.124 χ²/NDF:7819.3/17
Left: -47.079+/-0.090 χ²/NDF: 14601.2/36
Right: 0.000+/-0.000 χ²/NDF: 0.0/0
In: -46.094+/-0.124 χ²/NDF:7819.3/17
Out: -48.160+/-0.130 χ²/NDF:6649.8/18
All: -47.079+/-0.090 χ²/NDF: 14601.2/36


reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
−5
−10
−15
−20
−25
140
145
150
155
160
165
170
175
Right In: 0.000+/-0.000 χ²/NDF: 0.0/0
Left Out: -14.631+/-0.109 χ²/NDF:1931.5/18
Right Out: 0.000+/-0.000 χ²/NDF: 0.0/0
Left In: -13.953+/-0.106 χ²/NDF:1886.2/17
Left: -14.282+/-0.076 χ²/NDF: 3837.7/36
Right: 0.000+/-0.000 χ²/NDF: 0.0/0
In: -13.953+/-0.106 χ²/NDF:1886.2/17
Out: -14.631+/-0.109 χ²/NDF:1931.5/18
All: -14.282+/-0.076 χ²/NDF: 3837.7/36

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.445+/-0.005 χ^2/NDF:159.8/18

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

Left In: 0.426+/-0.005 χ^2/NDF:234.8/17

Left: 0.435+/-0.003 χ^2/NDF: 402.2/36

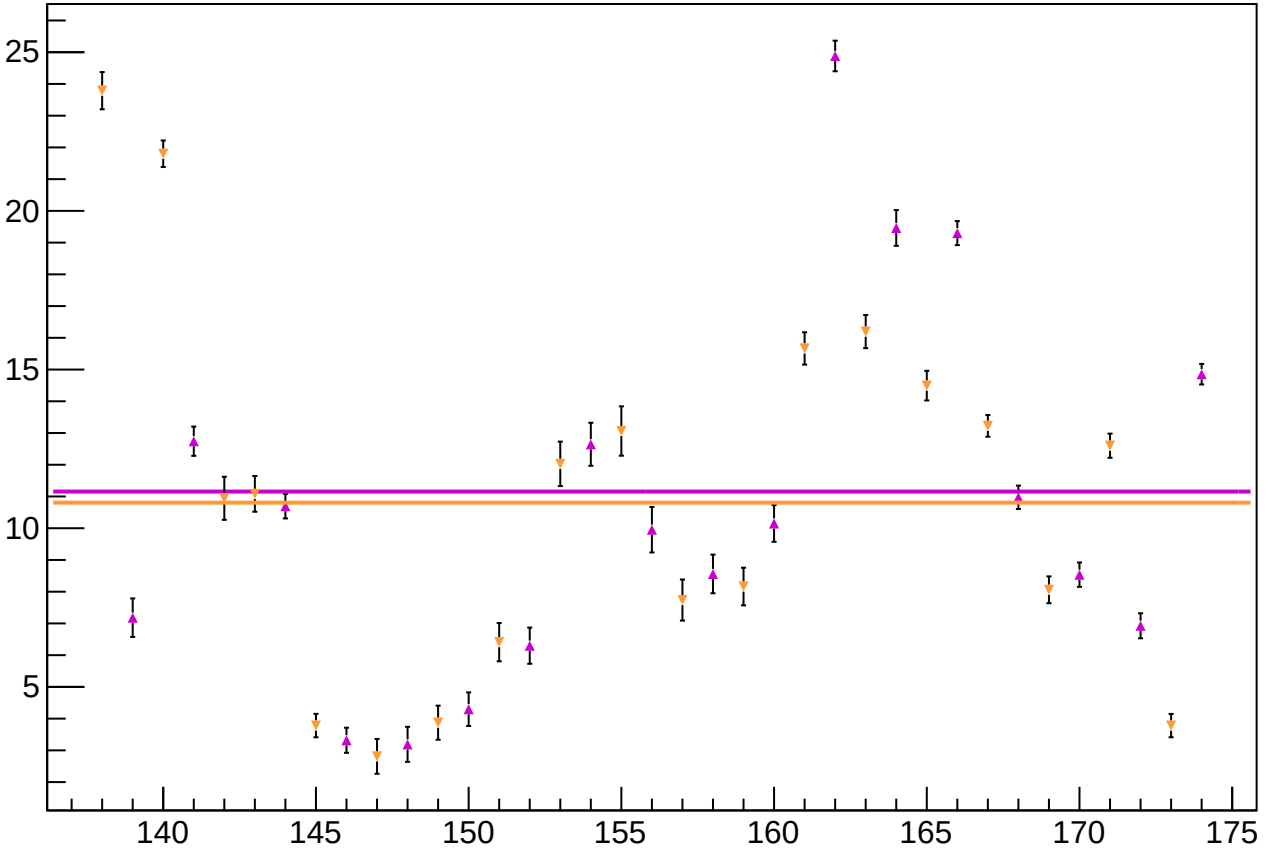
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.426+/-0.005 χ^2/NDF:234.8/17

Out: 0.445+/-0.005 χ^2/NDF:159.8/18

All: 0.435+/-0.003 χ^2/NDF: 402.2/36

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 10.806+/-0.112 χ^2/NDF:2767.9/18

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

Left In: 11.156+/-0.109 χ^2/NDF:2706.8/17

Left: 10.986+/-0.078 χ^2/NDF: 5479.7/36

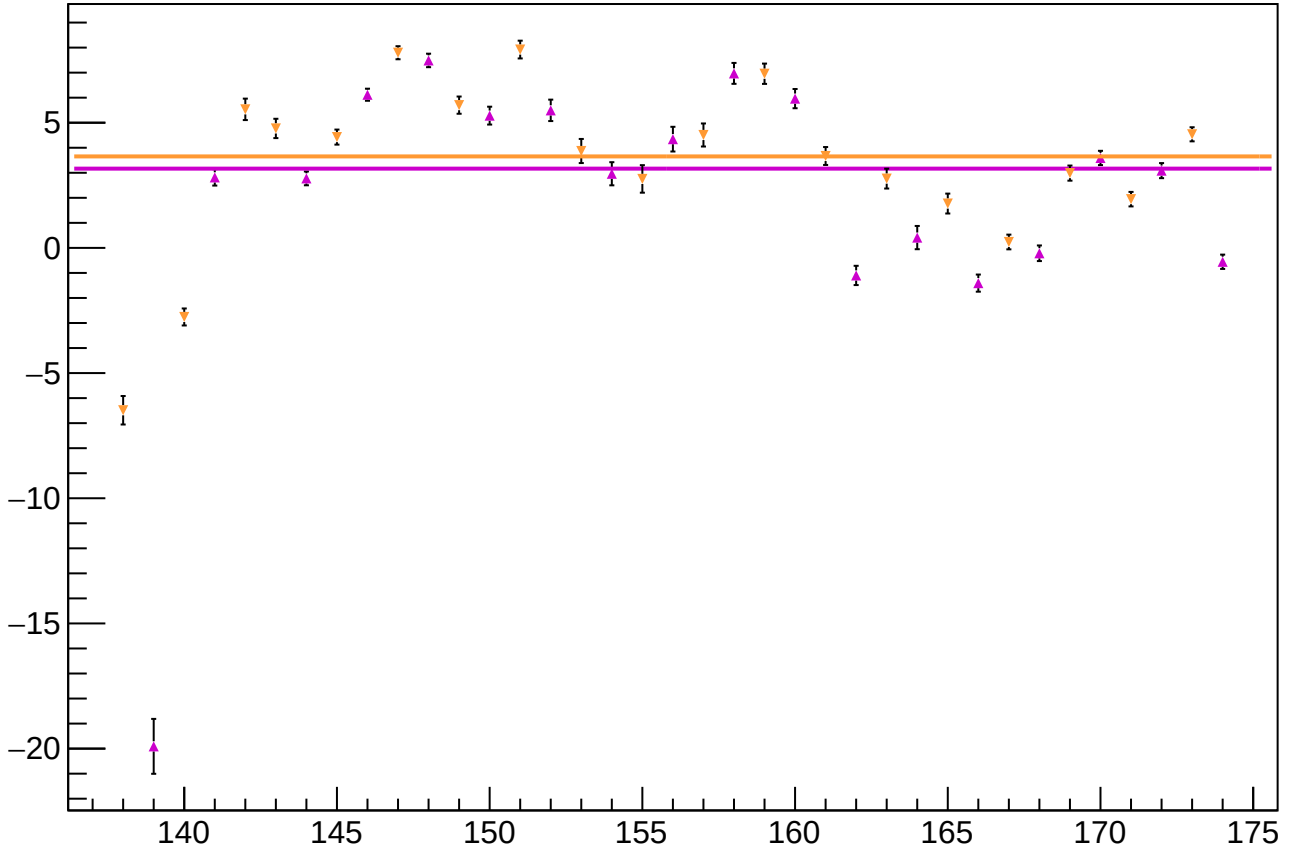
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 11.156+/-0.109 χ^2/NDF:2706.8/17

Out: 10.806+/-0.112 χ^2/NDF:2767.9/18

All: 10.986+/-0.078 χ^2/NDF: 5479.7/36

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: 3.654+/-0.081 χ^2/NDF:1425.4/18

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

Left In: 3.166+/-0.080 χ^2/NDF:1685.7/17

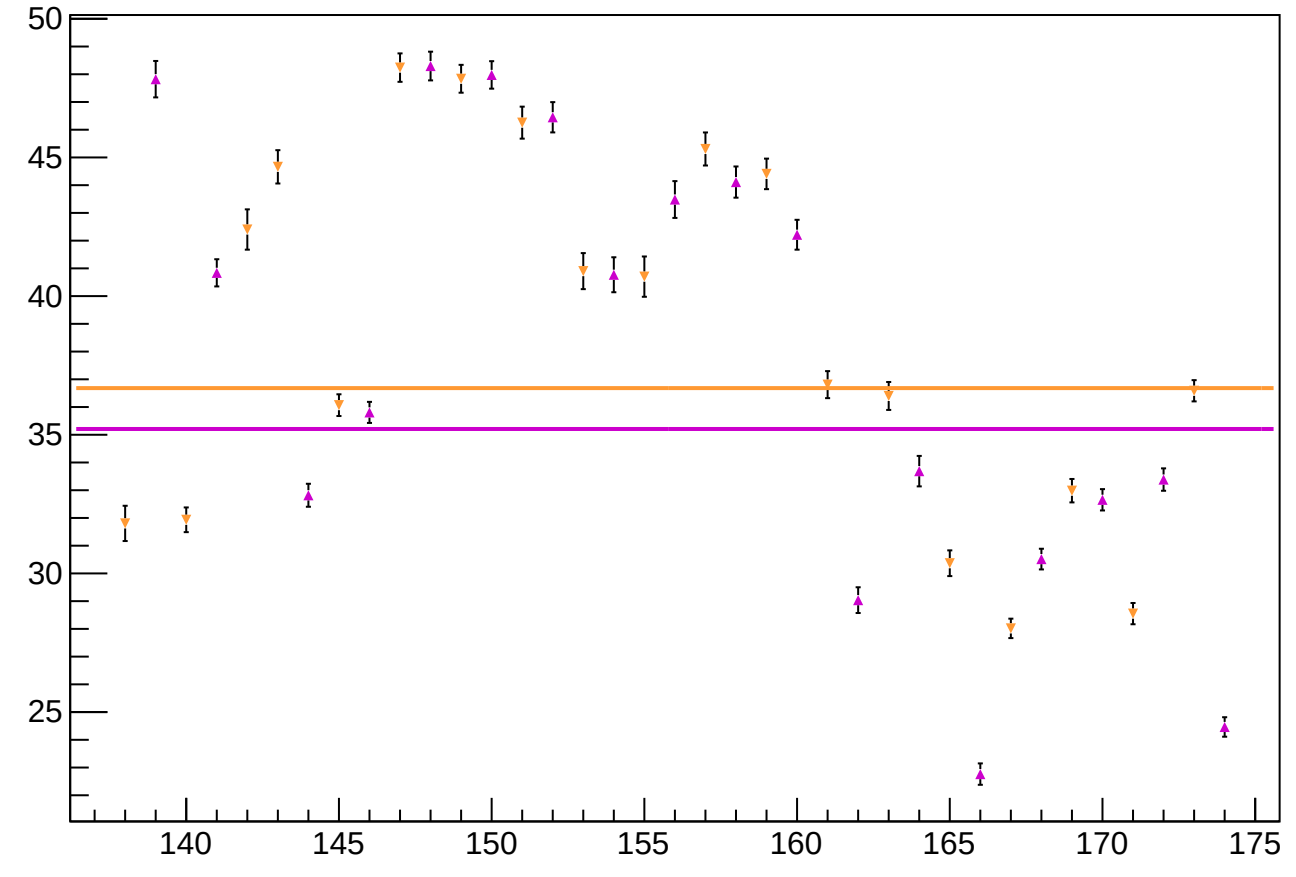
Left: 3.408+/-0.057 χ^2/NDF: 3129.4/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 3.166+/-0.080 χ^2/NDF:1685.7/17

Out: 3.654+/-0.081 χ^2/NDF:1425.4/18

All: 3.408+/-0.057 χ^2/NDF: 3129.4/36



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: 35.208+/-0.109 χ^2/NDF:5298.6/17

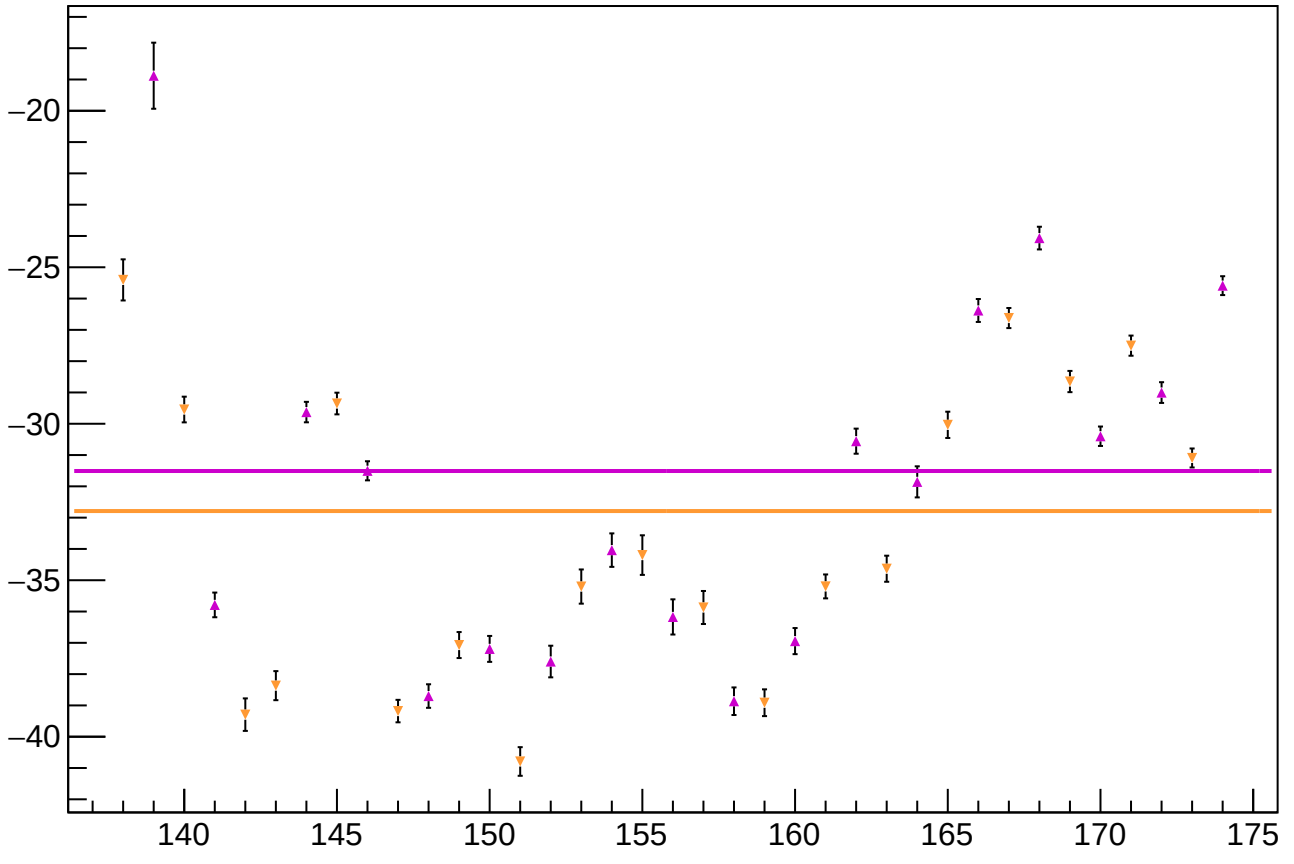
Left: 35.925+/-0.078 χ^2/NDF: 8881.4/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

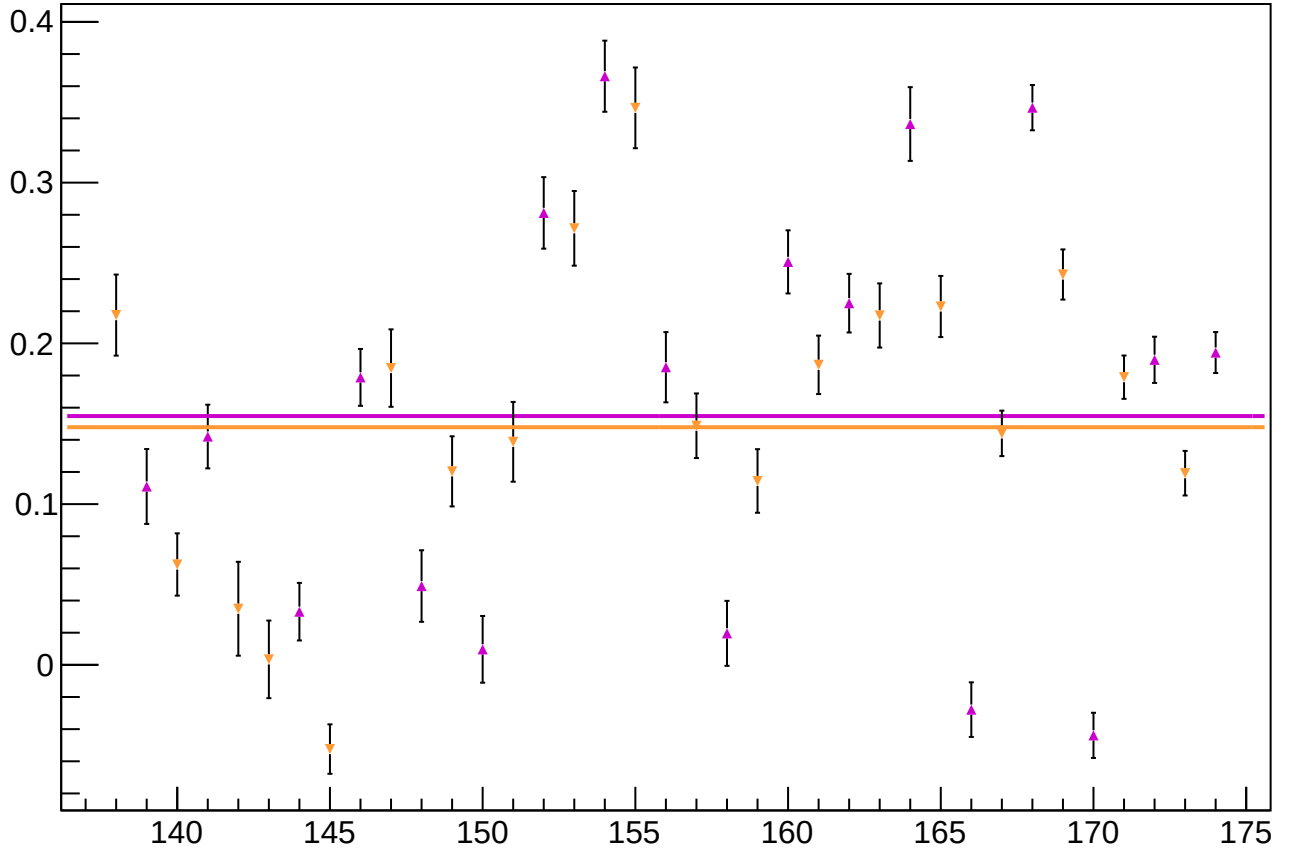
In: 35.208+/-0.109 χ^2/NDF:5298.6/17

Out: 36.683+/-0.112 χ^2/NDF:3493.4/18

All: 35.925+/-0.078 χ^2/NDF: 8881.4/36


reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
−20
−25
−30
−35
−40
140
145
150
155
160
165
170
175
Right In: 0.000+/-0.000 χ²/NDF: 0.0/0
Left Out: -32.790+/-0.093 χ²/NDF:2501.6/18
Right Out: 0.000+/-0.000 χ²/NDF: 0.0/0
Left In: -31.510+/-0.092 χ²/NDF:2612.0/17
Left: -32.144+/-0.066 χ²/NDF: 5209.0/36
Right: 0.000+/-0.000 χ²/NDF: 0.0/0
In: -31.510+/-0.092 χ²/NDF:2612.0/17
Out: -32.790+/-0.093 χ²/NDF:2501.6/18
All: -32.144+/-0.066 χ²/NDF: 5209.0/36

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.148+/-0.004 χ^2/NDF:424.2/18

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

Left In: 0.155+/-0.004 χ^2/NDF:911.5/17

Left: 0.151+/-0.003 χ^2/NDF: 1337.0/36

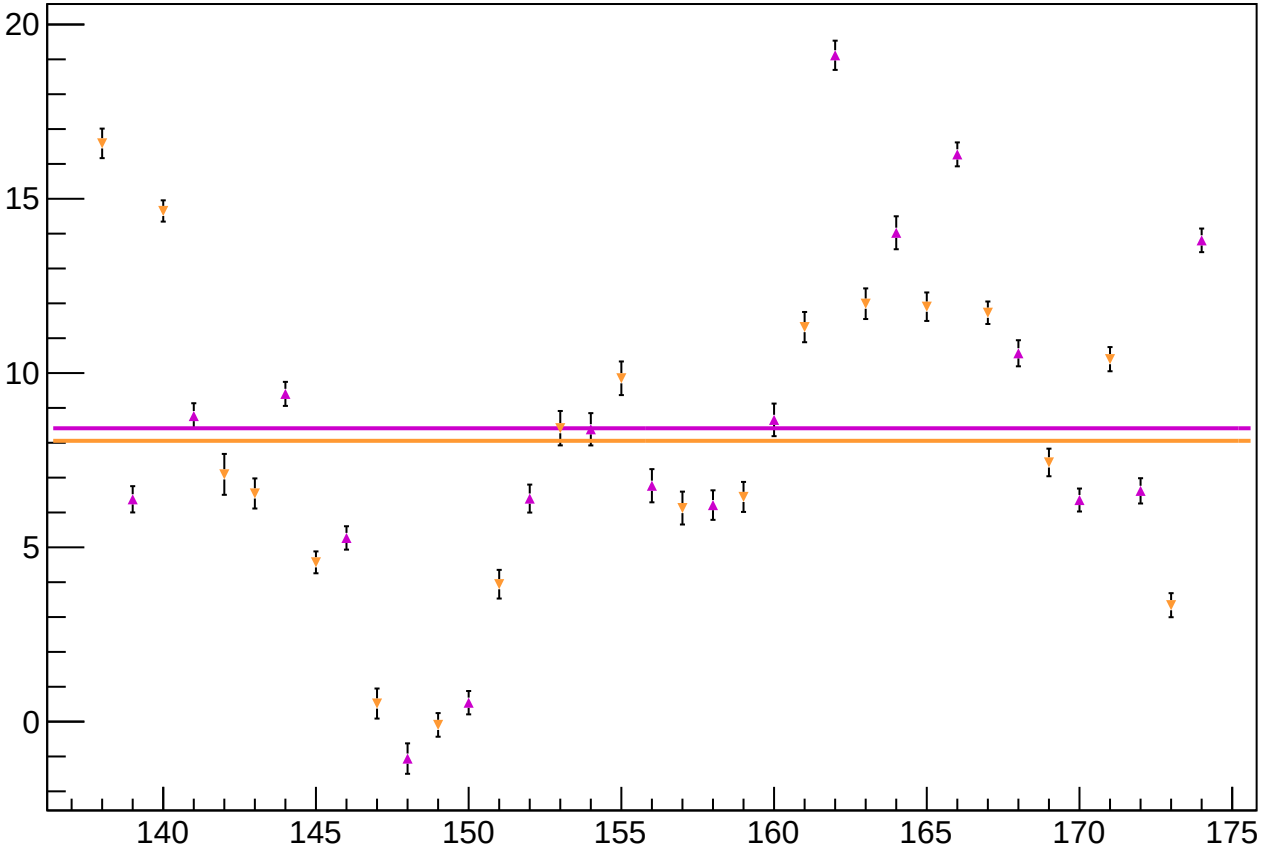
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.155+/-0.004 χ^2/NDF:911.5/17

Out: 0.148+/-0.004 χ^2/NDF:424.2/18

All: 0.151+/-0.003 χ^2/NDF: 1337.0/36

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: 8.416+/-0.090 χ^2/NDF:2879.7/17

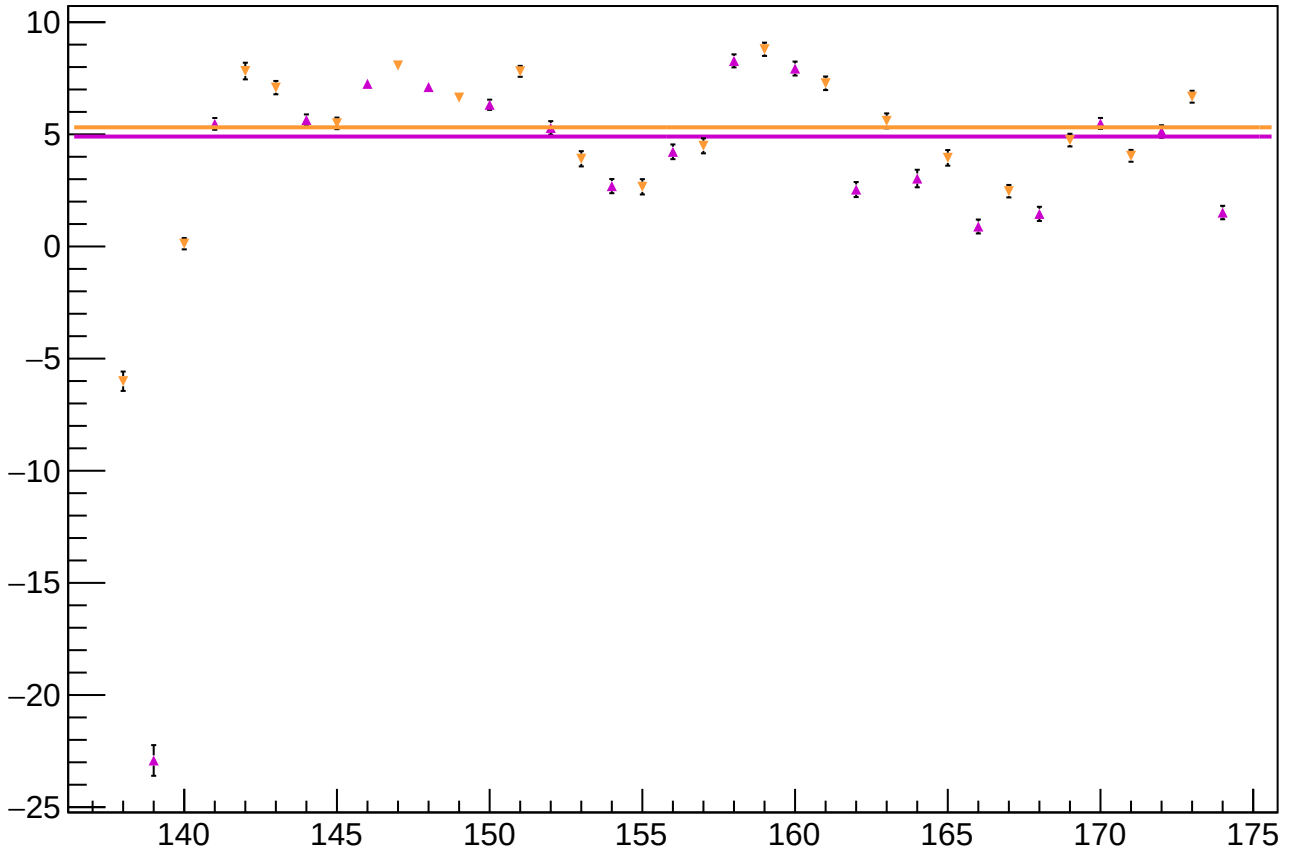
Left: 8.236+/-0.064 χ^2/NDF: 5516.8/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 8.416+/-0.090 χ^2/NDF:2879.7/17

Out: 8.056+/-0.090 χ^2/NDF:2629.2/18

All: 8.236+/-0.064 χ^2/NDF: 5516.8/36



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

Left Out: 5.313+/-0.065 χ^2/NDF:1947.9/18

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

Left In: 4.901+/-0.067 χ^2/NDF:2706.6/17

Left: 5.112+/-0.047 χ^2/NDF: 4674.0/36

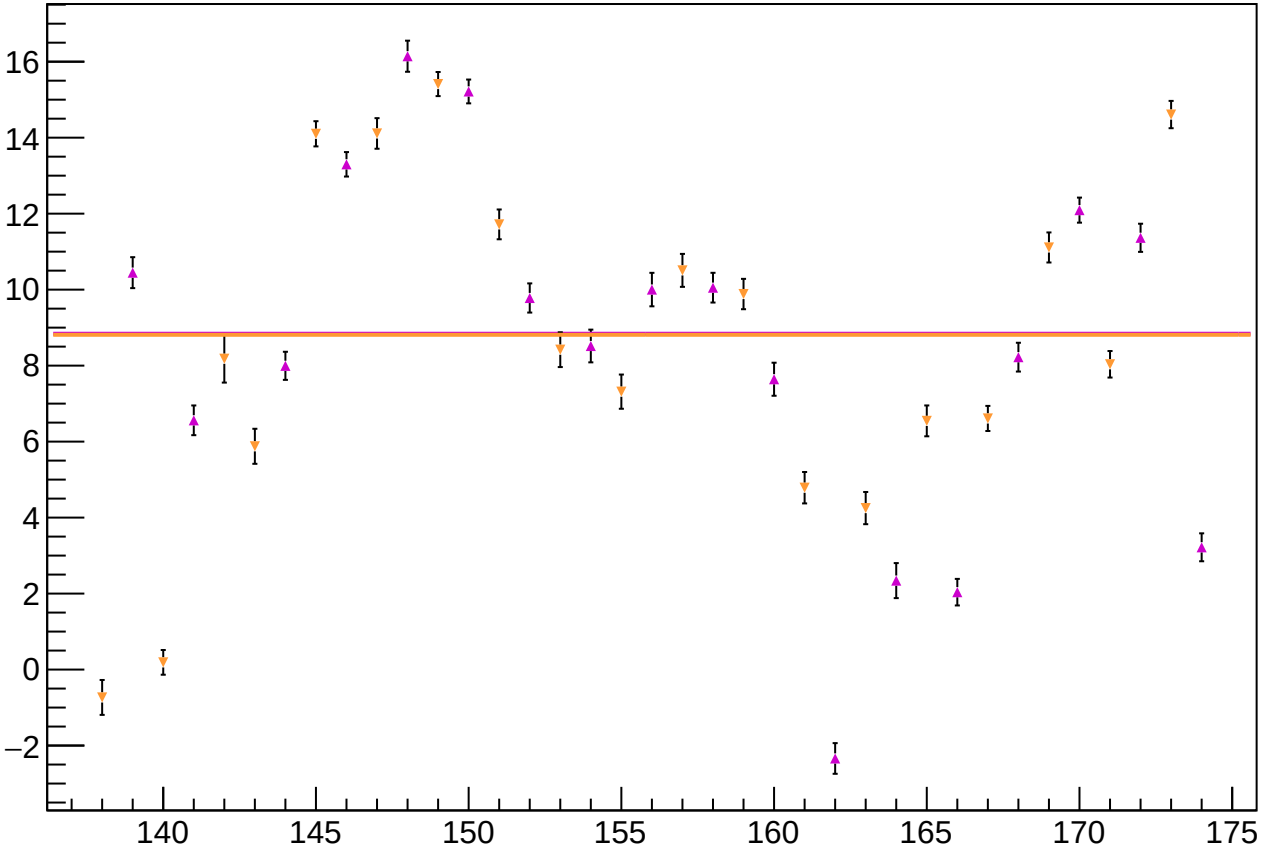
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 4.901+/-0.067 χ^2/NDF:2706.6/17

Out: 5.313+/-0.065 χ^2/NDF:1947.9/18

All: 5.112+/-0.047 χ^2/NDF: 4674.0/36

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: 8.839+/-0.090 χ^2/NDF:2733.5/17

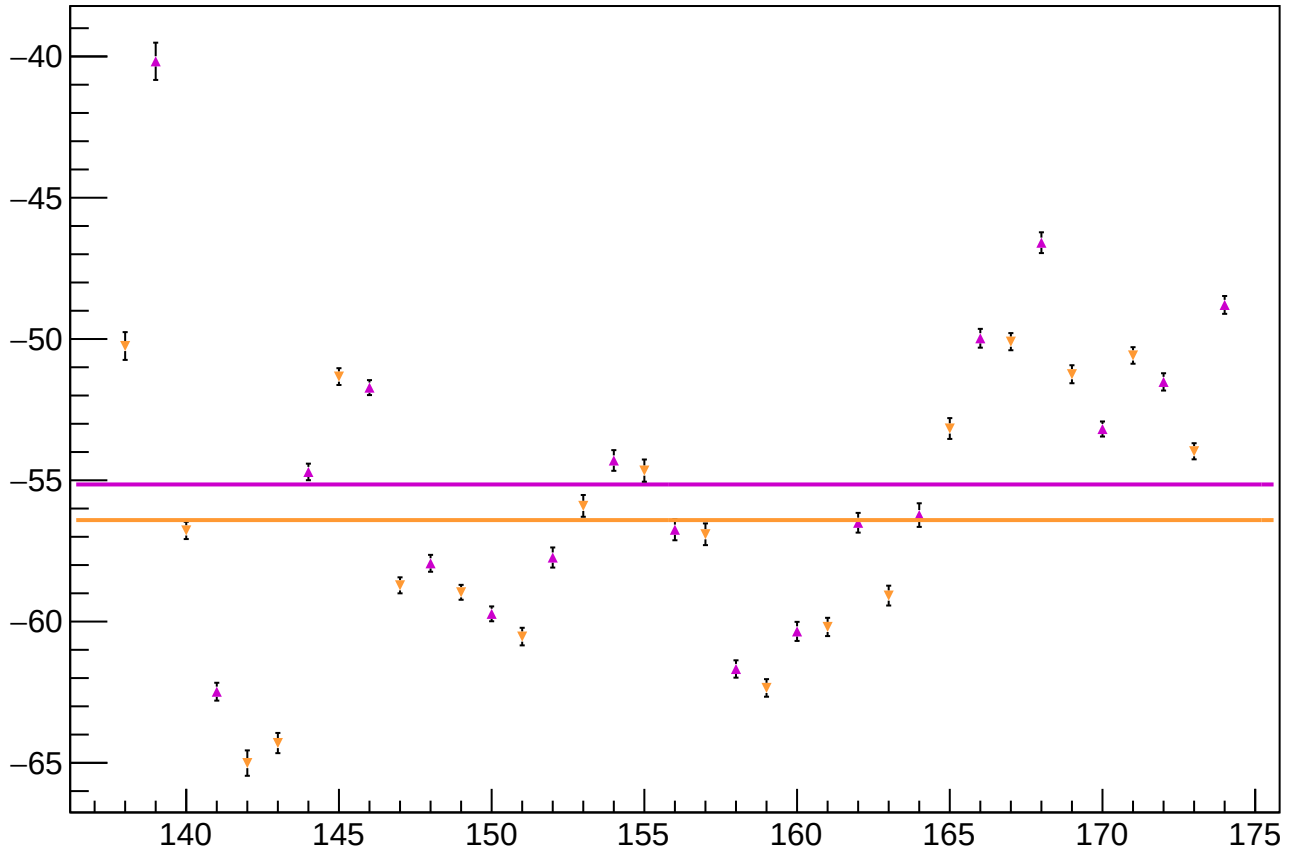
Left: 8.825+/-0.063 χ^2/NDF: 5444.3/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

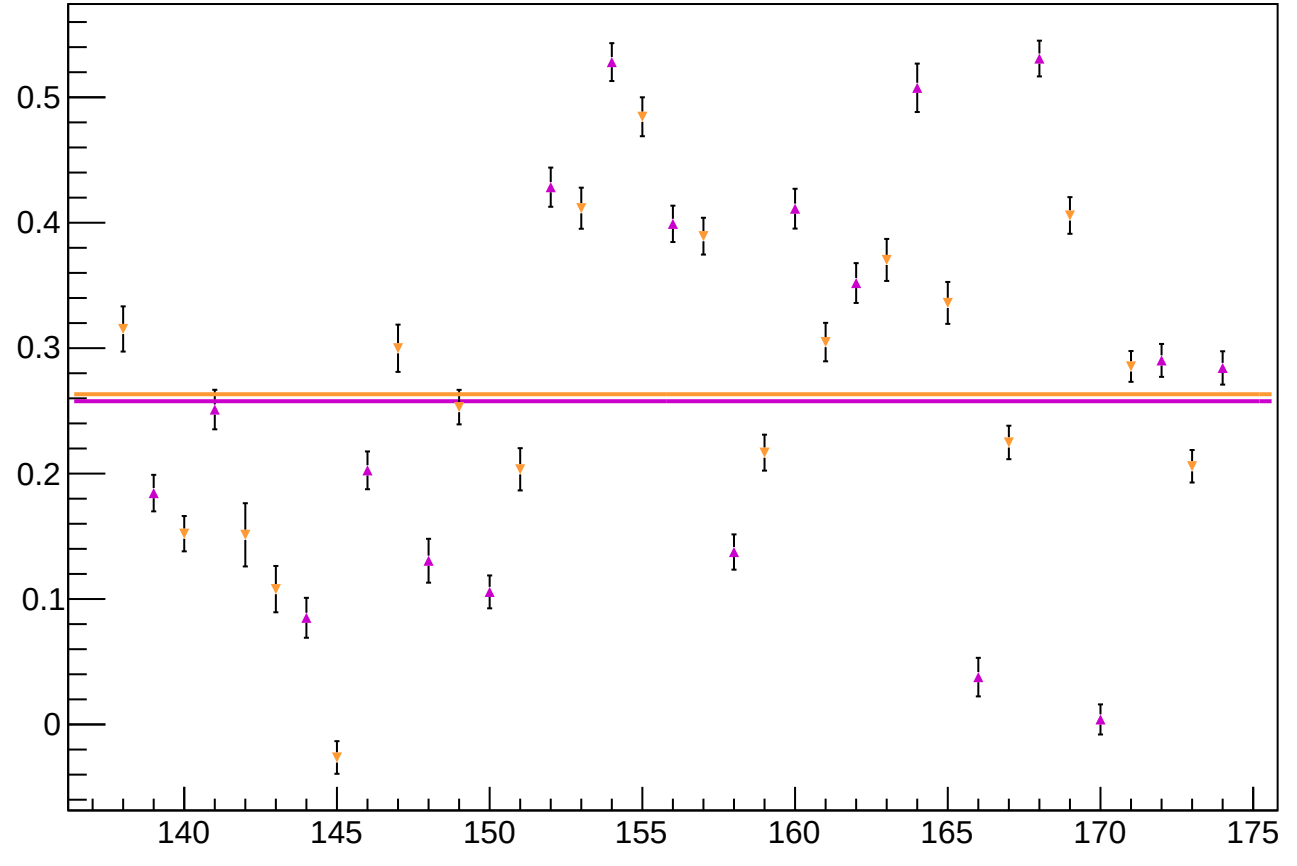
In: 8.839+/-0.090 χ^2/NDF:2733.5/17

Out: 8.812+/-0.090 χ^2/NDF:2710.8/18

All: 8.825+/-0.063 χ^2/NDF: 5444.3/36


reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
−40
−45
−50
−55
−60
−65
140
145
150
155
160
165
170
175
Right In: 0.000+/-0.000 χ²/NDF: 0.0/0
Left Out: -56.409+/-0.075 χ²/NDF:3463.2/18
Right Out: 0.000+/-0.000 χ²/NDF: 0.0/0
Left In: -55.148+/-0.077 χ²/NDF:3784.5/17
Left: -55.788+/-0.054 χ²/NDF: 7385.7/36
Right: 0.000+/-0.000 χ²/NDF: 0.0/0
In: -55.148+/-0.077 χ²/NDF:3784.5/17
Out: -56.409+/-0.075 χ²/NDF:3463.2/18
All: -55.788+/-0.054 χ²/NDF: 7385.7/36

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



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

Left Out: 0.263+/-0.003 χ^2/NDF:1236.7/18

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

Left In: 0.258+/-0.003 χ^2/NDF:2278.3/17

Left: 0.260+/-0.002 χ^2/NDF: 3516.3/36

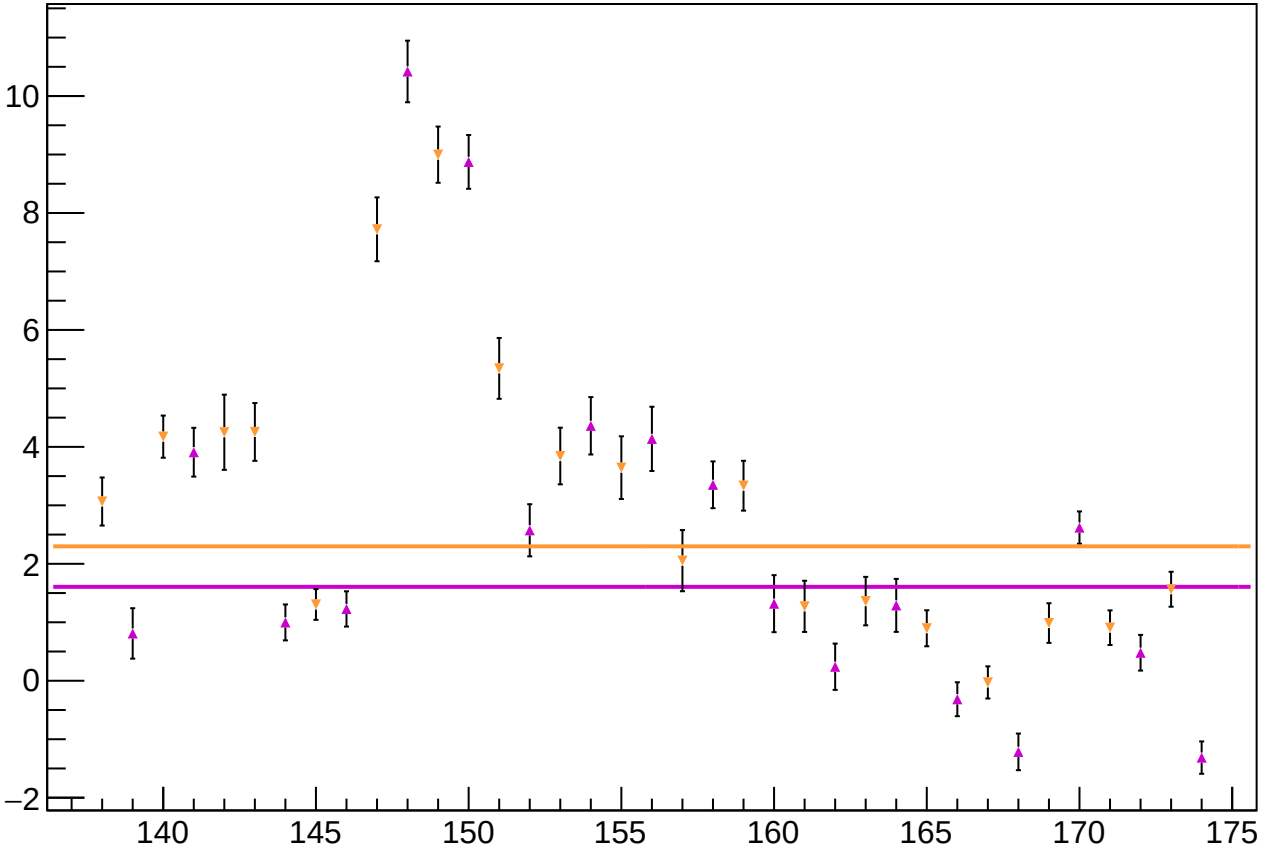
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.258+/-0.003 χ^2/NDF:2278.3/17

Out: 0.263+/-0.003 χ^2/NDF:1236.7/18

All: 0.260+/-0.002 χ^2/NDF: 3516.3/36

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: 1.606+/-0.086 χ^2/NDF:921.8/17

Left: 1.946+/-0.062 χ^2/NDF: 1518.5/36

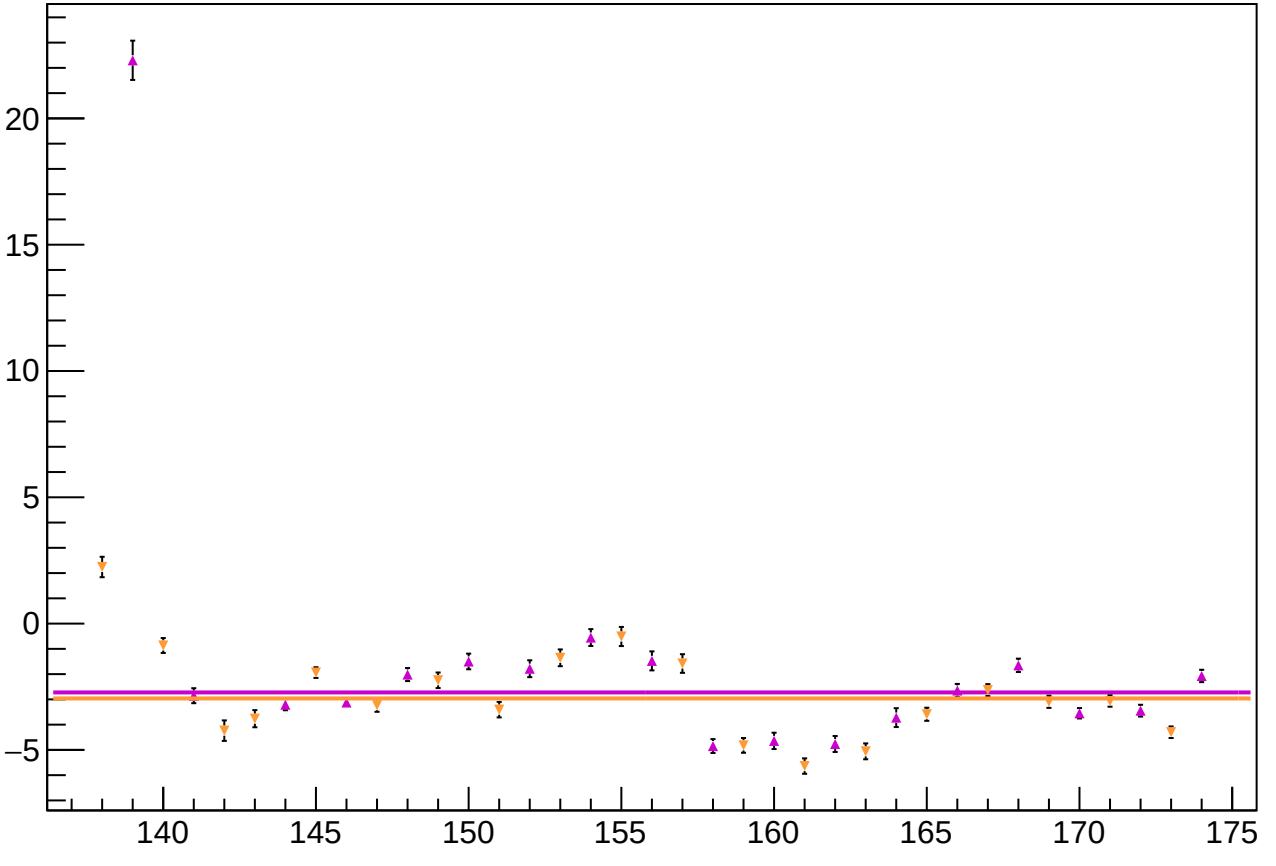
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 1.606+/-0.086 χ^2/NDF:921.8/17

Out: 2.299+/-0.088 χ^2/NDF:565.2/18

All: 1.946+/-0.062 χ^2/NDF: 1518.5/36

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



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

Left Out: -2.964+/-0.065 χ^2/NDF:547.4/18

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

Left In: -2.725+/-0.065 χ^2/NDF:1323.5/17

Left: -2.843+/-0.046 χ^2/NDF: 1877.6/36

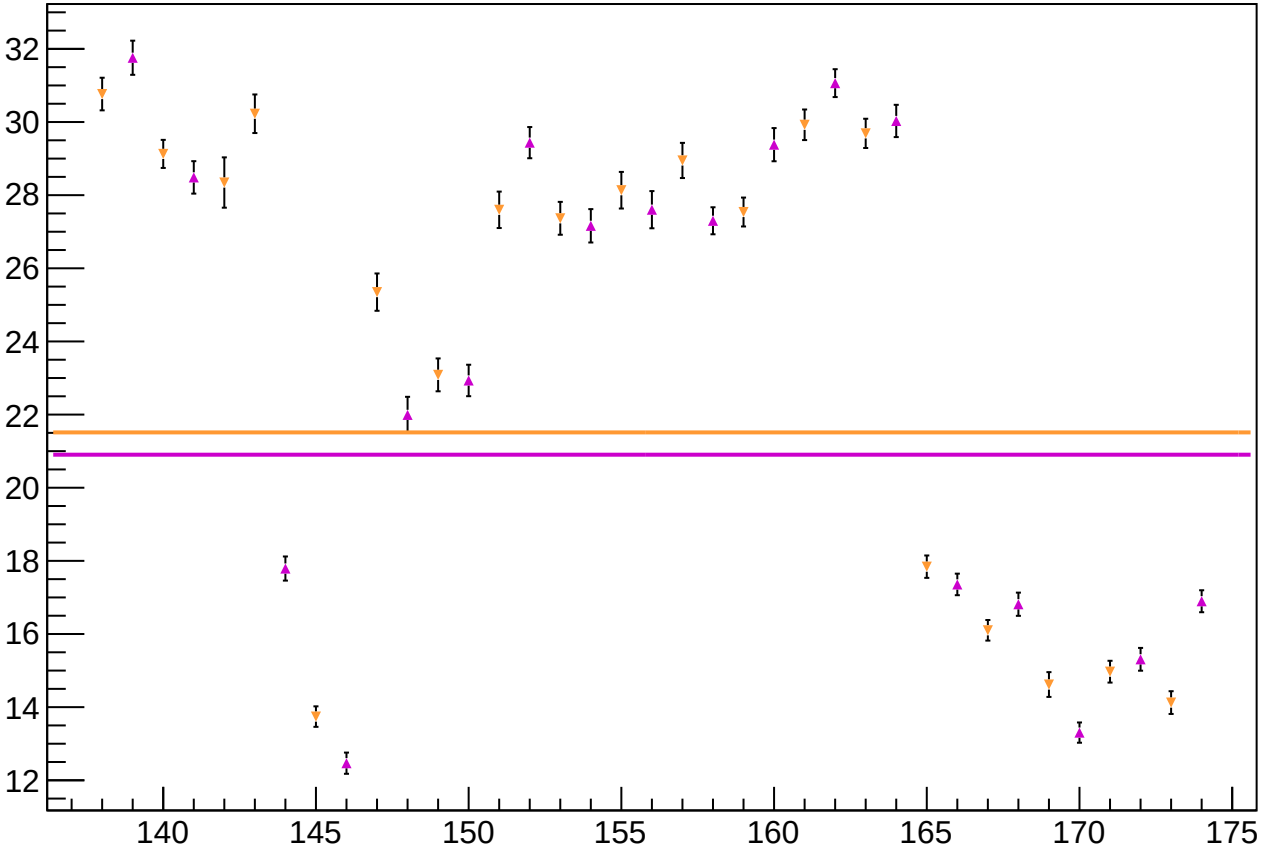
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -2.725+/-0.065 χ^2/NDF:1323.5/17

Out: -2.964+/-0.065 χ^2/NDF:547.4/18

All: -2.843+/-0.046 χ^2/NDF: 1877.6/36

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: 21.513+/-0.088 χ^2/NDF:5795.0/18

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

Left In: 20.903+/-0.086 χ^2/NDF:5908.9/17

Left: 21.201+/-0.062 χ^2/NDF: 11728.2/36

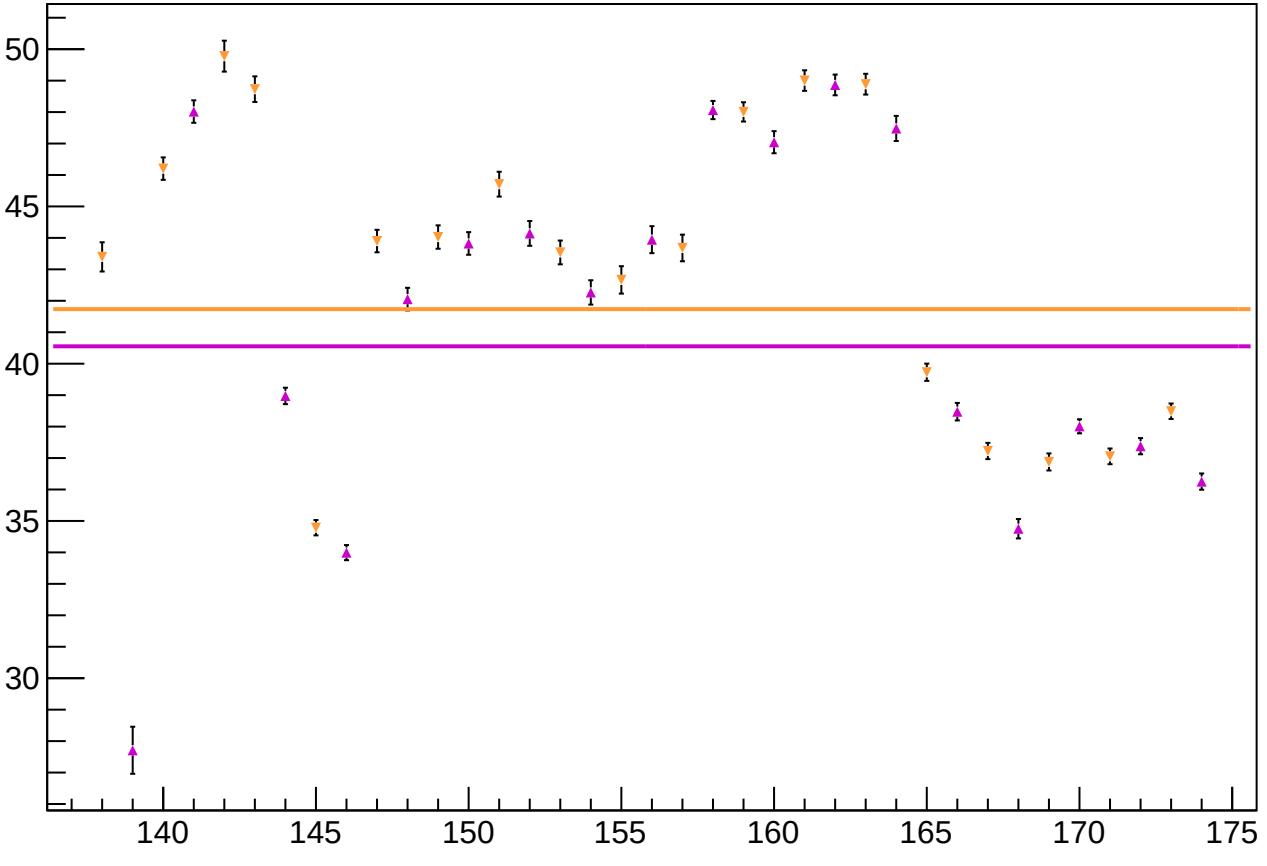
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 20.903+/-0.086 χ^2/NDF:5908.9/17

Out: 21.513+/-0.088 χ^2/NDF:5795.0/18

All: 21.201+/-0.062 χ^2/NDF: 11728.2/36

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: 41.735+/-0.074 χ^2/NDF:4350.3/18

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

Left In: 40.552+/-0.074 χ^2/NDF:4697.1/17

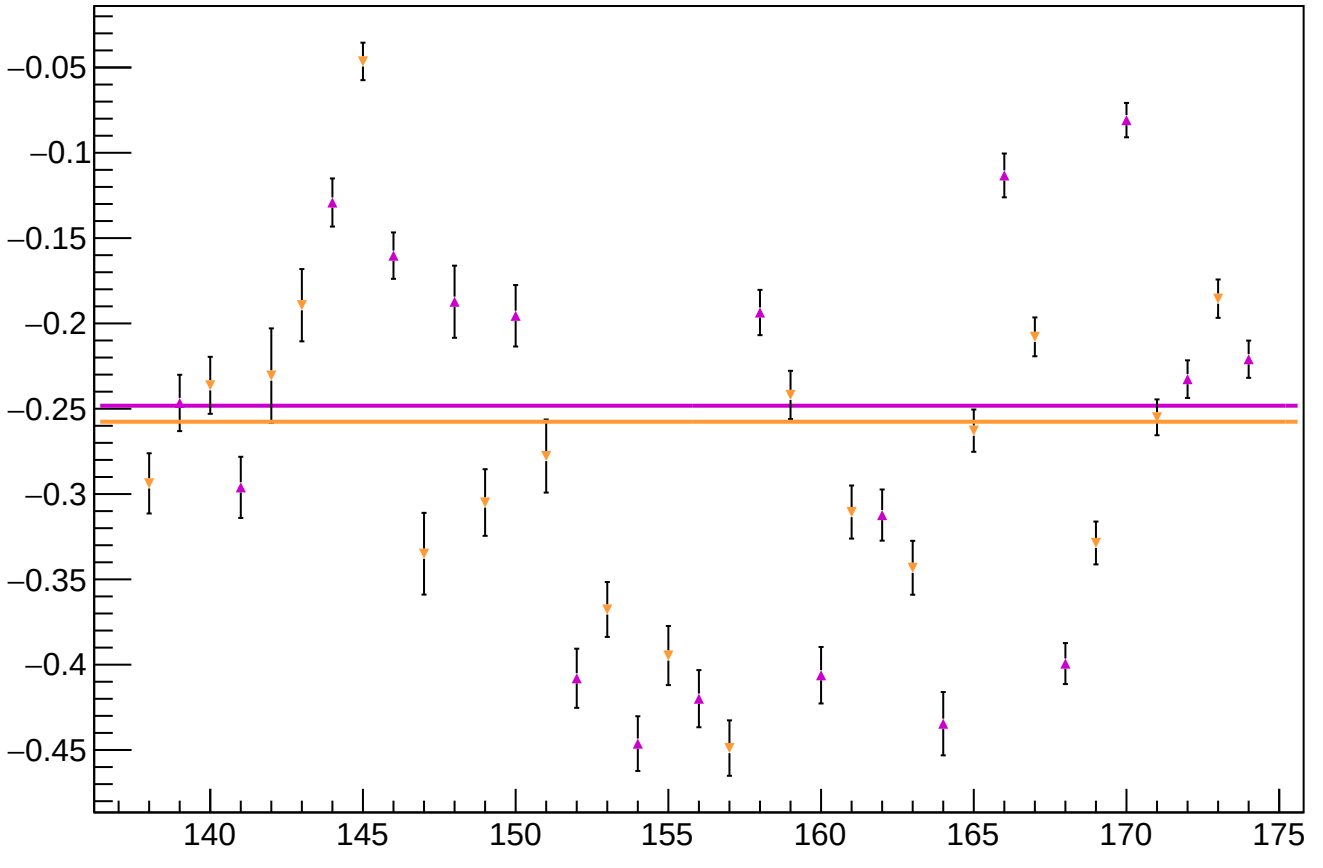
Left: 41.140+/-0.052 χ^2/NDF: 9175.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 40.552+/-0.074 χ^2/NDF:4697.1/17

Out: 41.735+/-0.074 χ^2/NDF:4350.3/18

All: 41.140+/-0.052 χ^2/NDF: 9175.7/36



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

Left Out: -0.258+/-0.003 χ^2/NDF:786.6/18

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

Left In: -0.248+/-0.003 χ^2/NDF:1259.9/17

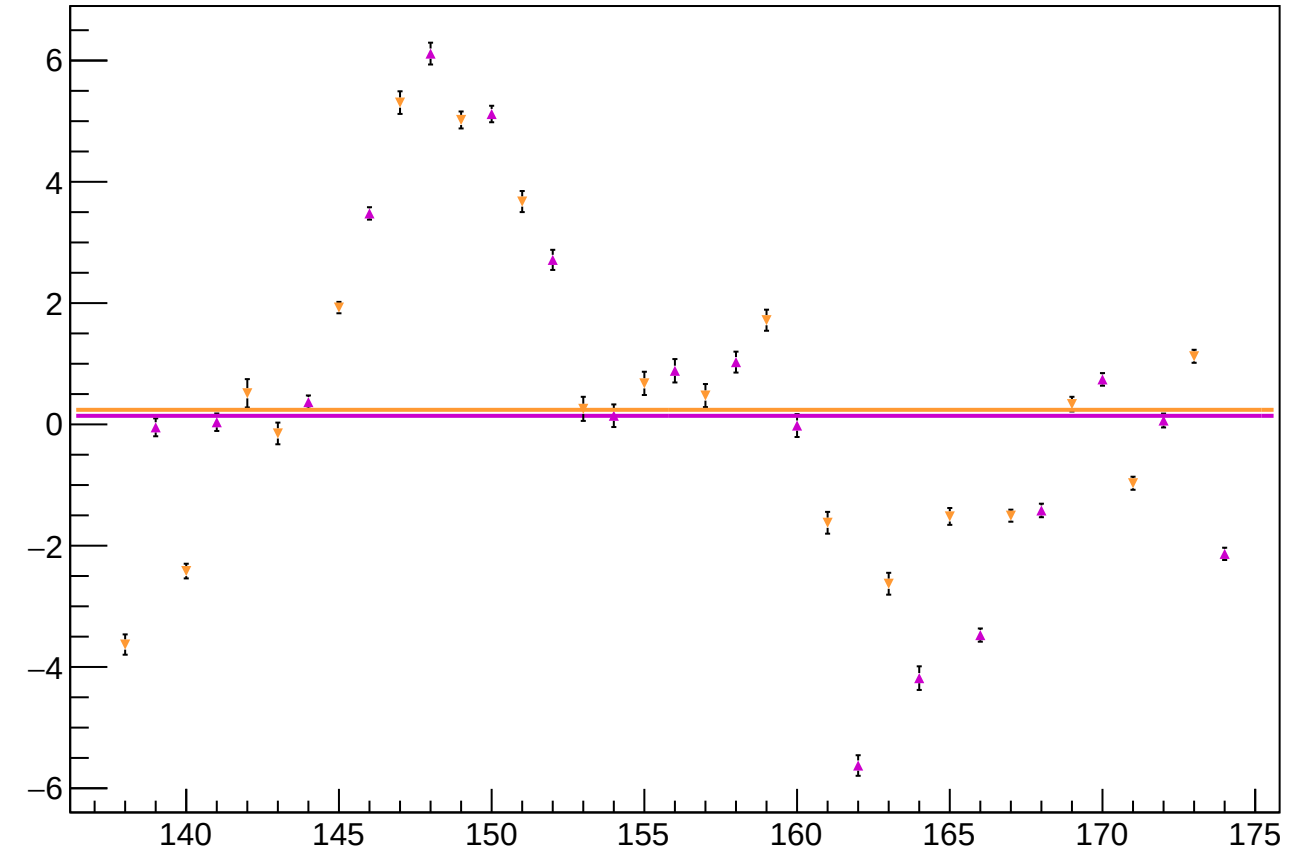
Left: -0.253+/-0.002 χ^2/NDF: 2050.4/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -0.248+/-0.003 χ^2/NDF:1259.9/17

Out: -0.258+/-0.003 χ^2/NDF:786.6/18

All: -0.253+/-0.002 χ^2/NDF: 2050.4/36



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: 0.141+/-0.032 χ^2/NDF:7280.0/17

Left: 0.189+/-0.023 χ^2/NDF: 12025.2/36

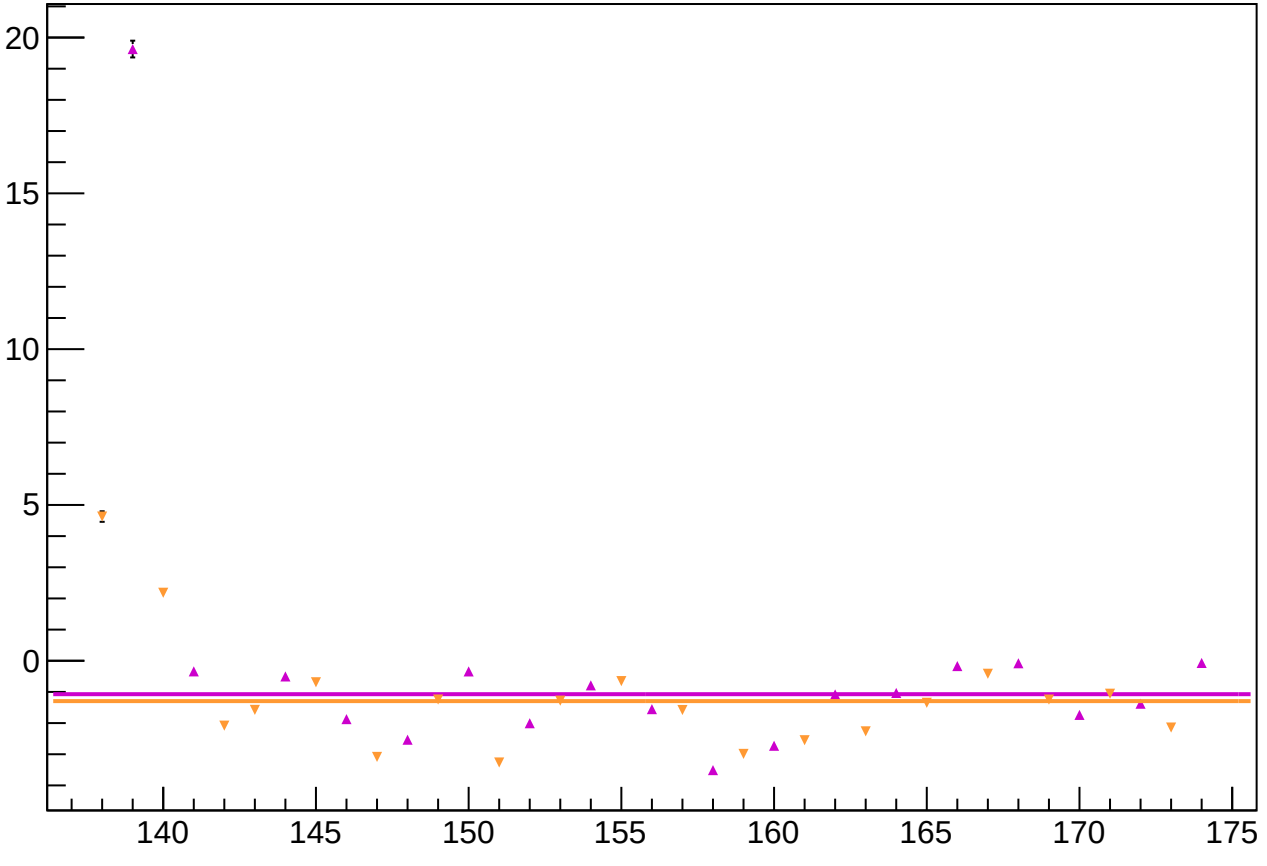
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 0.141+/-0.032 χ^2/NDF:7280.0/17

Out: 0.240+/-0.032 χ^2/NDF:4740.5/18

All: 0.189+/-0.023 χ^2/NDF: 12025.2/36

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: -1.073+/-0.024 χ^2/NDF:7578.4/17

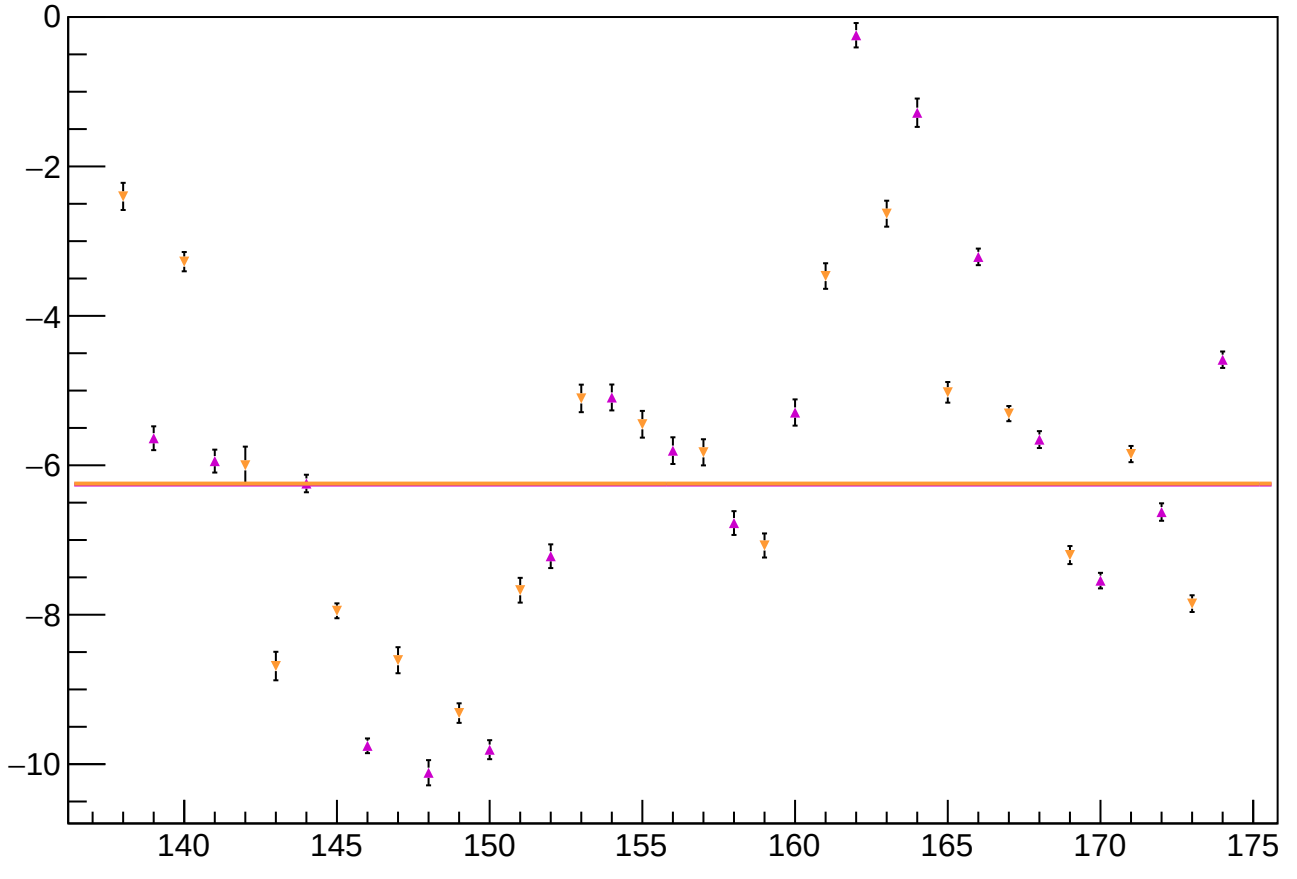
Left: -1.183+/-0.017 χ^2/NDF: 11517.3/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -1.073+/-0.024 χ^2/NDF:7578.4/17

Out: -1.295+/-0.024 χ^2/NDF:3895.2/18

All: -1.183+/-0.017 χ^2/NDF: 11517.3/36



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

Left Out: -6.245+/-0.033 χ^2/NDF:3474.2/18

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

Left In: -6.257+/-0.032 χ^2/NDF:5930.7/17

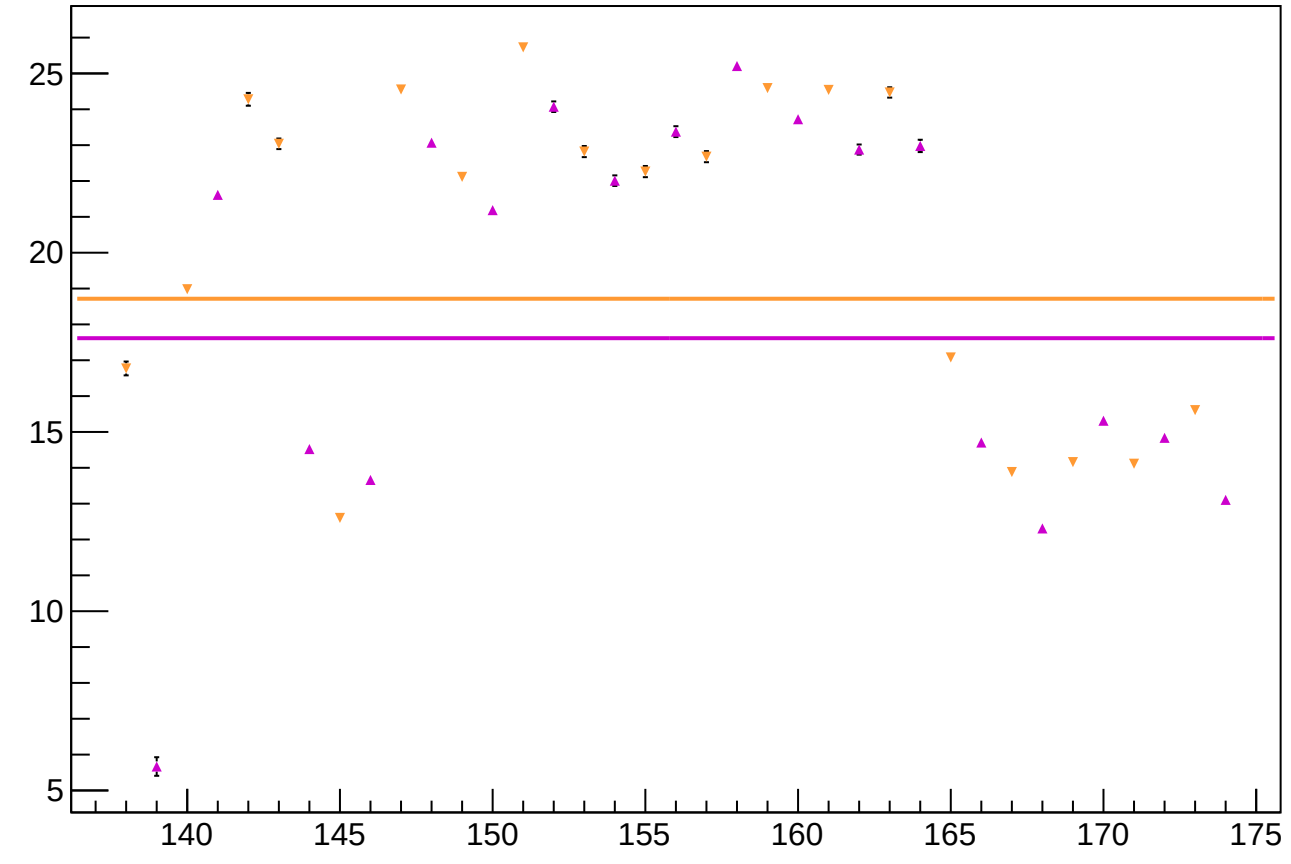
Left: -6.251+/-0.023 χ^2/NDF: 9404.9/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -6.257+/-0.032 χ^2/NDF:5930.7/17

Out: -6.245+/-0.033 χ^2/NDF:3474.2/18

All: -6.251+/-0.023 χ^2/NDF: 9404.9/36



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

Left Out: 18.716+/-0.027 χ^2/NDF:29215.0/18

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

Left In: 17.615+/-0.027 χ^2/NDF:28918.5/17

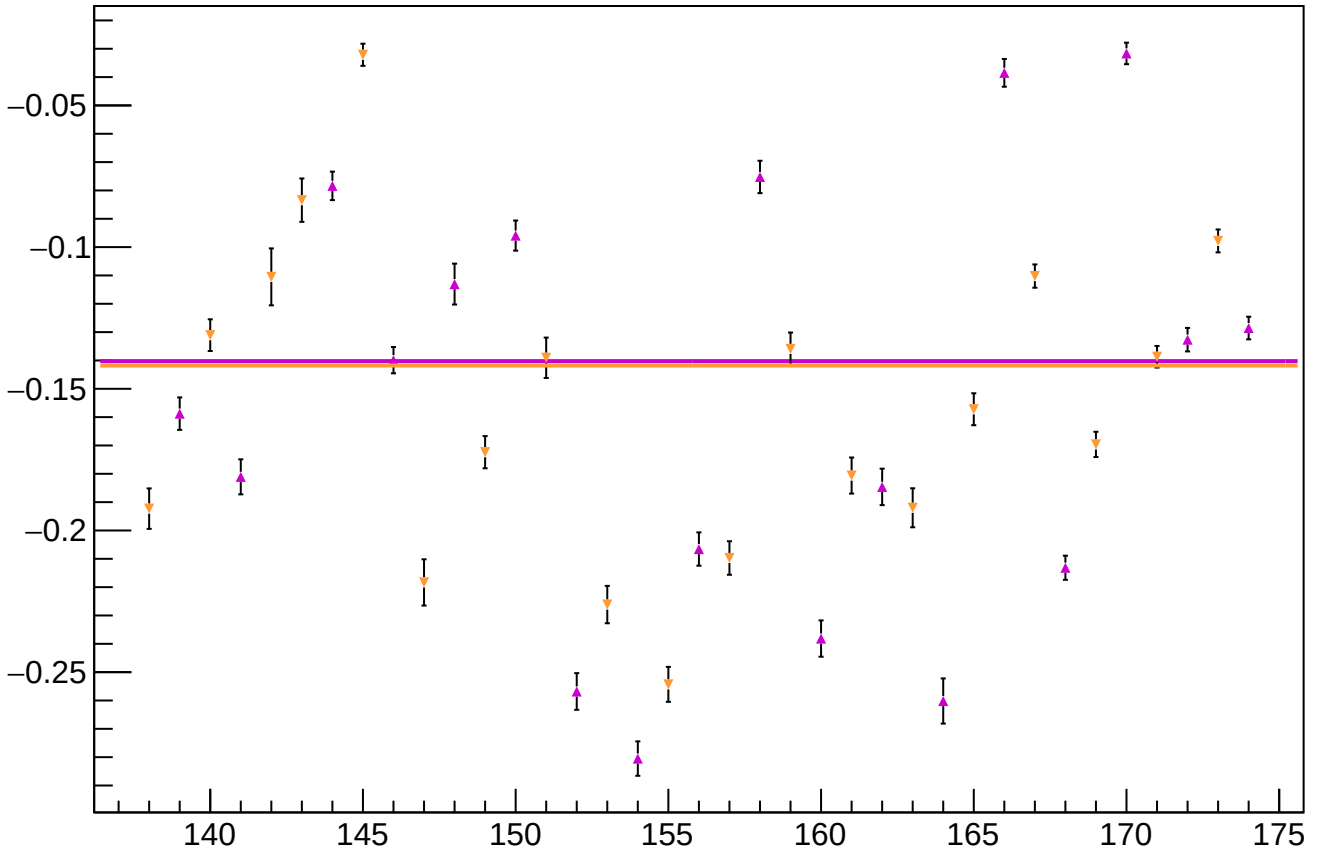
Left: 18.159+/-0.019 χ^2/NDF: 58951.6/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 17.615+/-0.027 χ^2/NDF:28918.5/17

Out: 18.716+/-0.027 χ^2/NDF:29215.0/18

All: 18.159+/-0.019 χ^2/NDF: 58951.6/36



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: -0.140+/-0.001 χ^2/NDF:3465.1/17

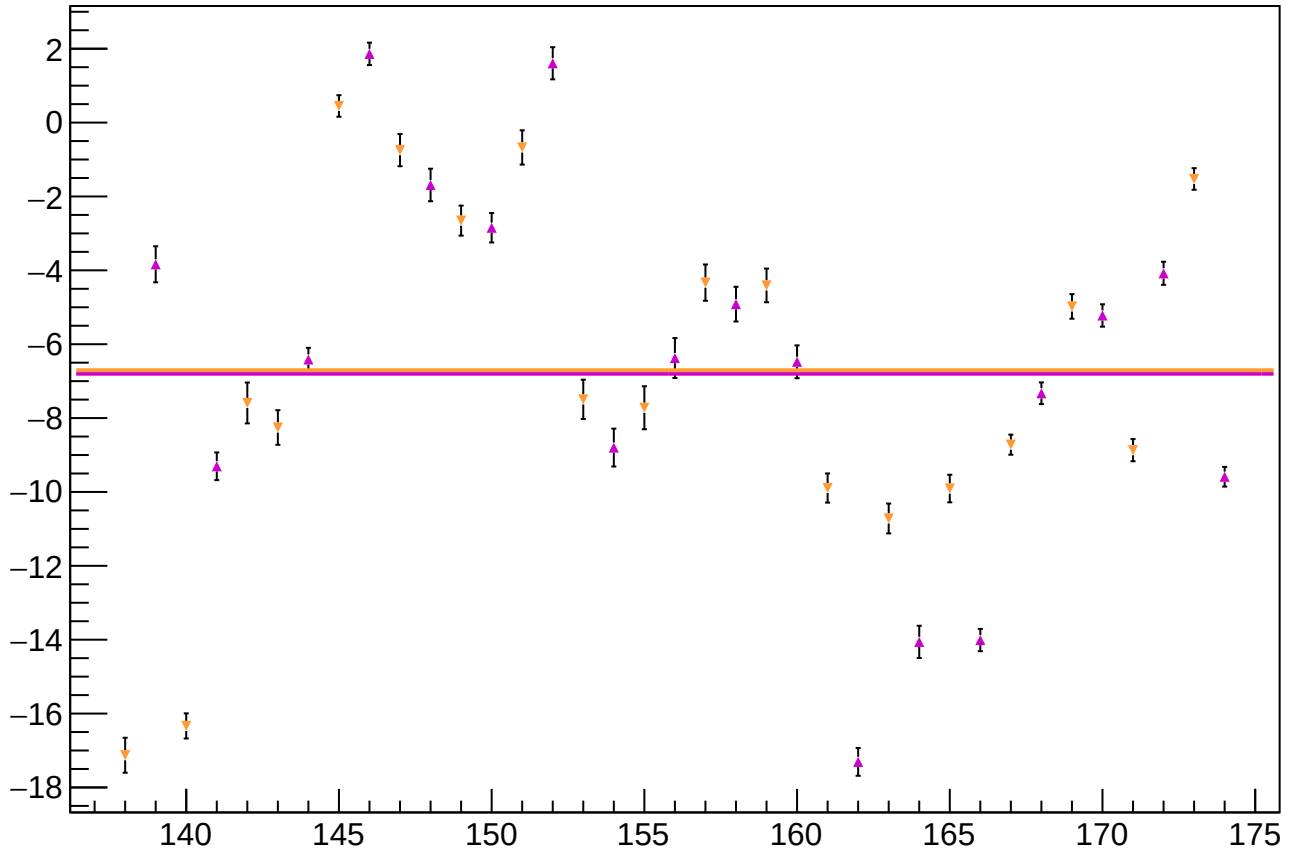
Left: -0.141+/-0.001 χ^2/NDF: 5436.0/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -0.140+/-0.001 χ^2/NDF:3465.1/17

Out: -0.142+/-0.001 χ^2/NDF:1970.2/18

All: -0.141+/-0.001 χ^2/NDF: 5436.0/36



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: -6.798+/-0.086 χ^2/NDF:3380.0/17

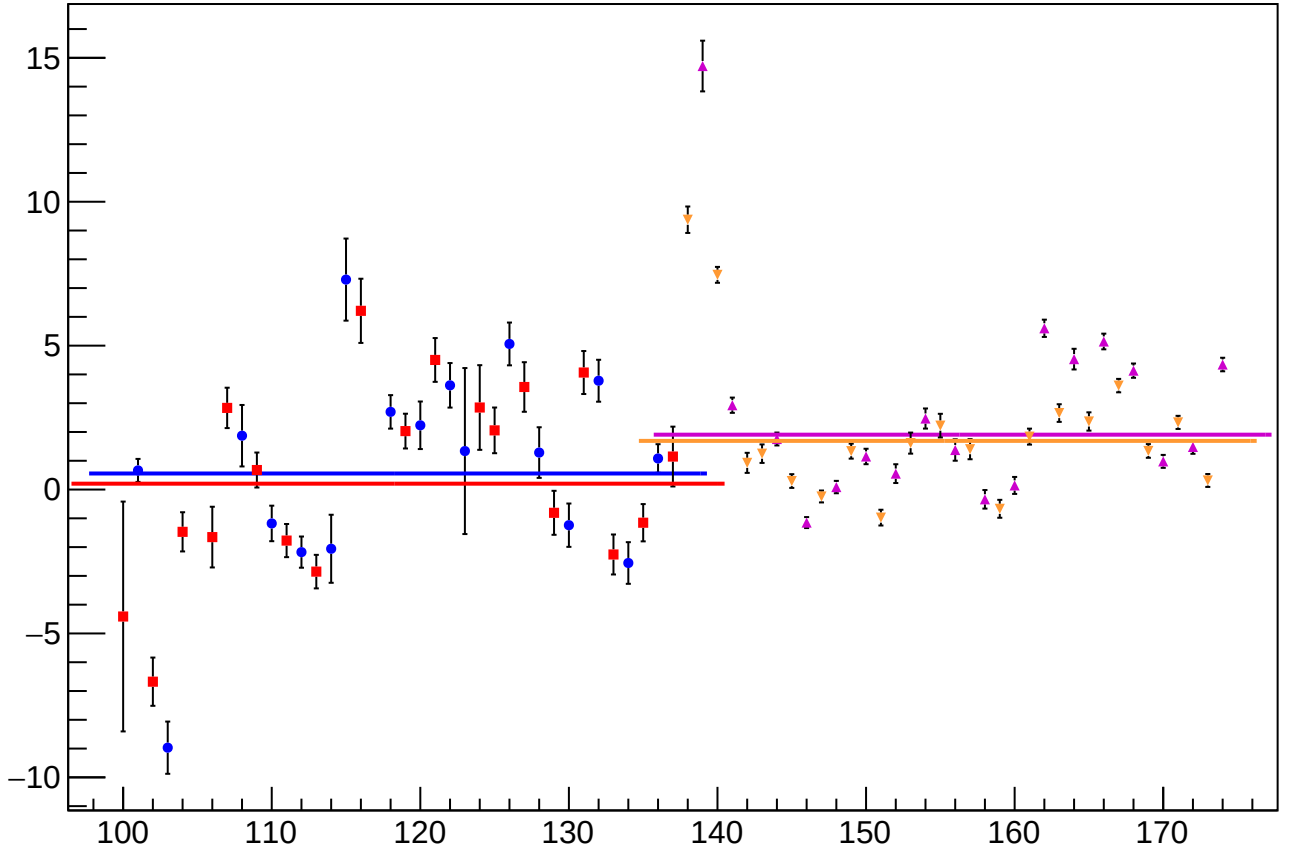
Left: -6.753+/-0.061 χ^2/NDF: 6474.1/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -6.798+/-0.086 χ^2/NDF:3380.0/17

Out: -6.706+/-0.088 χ^2/NDF:3093.6/18

All: -6.753+/-0.061 χ^2/NDF: 6474.1/36



Right In: 0.558+/-0.170 χ^2/NDF: 287.9/16

Left Out: 1.691+/-0.064 χ^2/NDF:1130.1/18

Right Out: 0.204+/-0.175 χ^2/NDF: 272.1/18

Left In: 1.907+/-0.063 χ^2/NDF:1222.2/17

Left: 1.799+/-0.045 χ^2/NDF: 2358.0/36

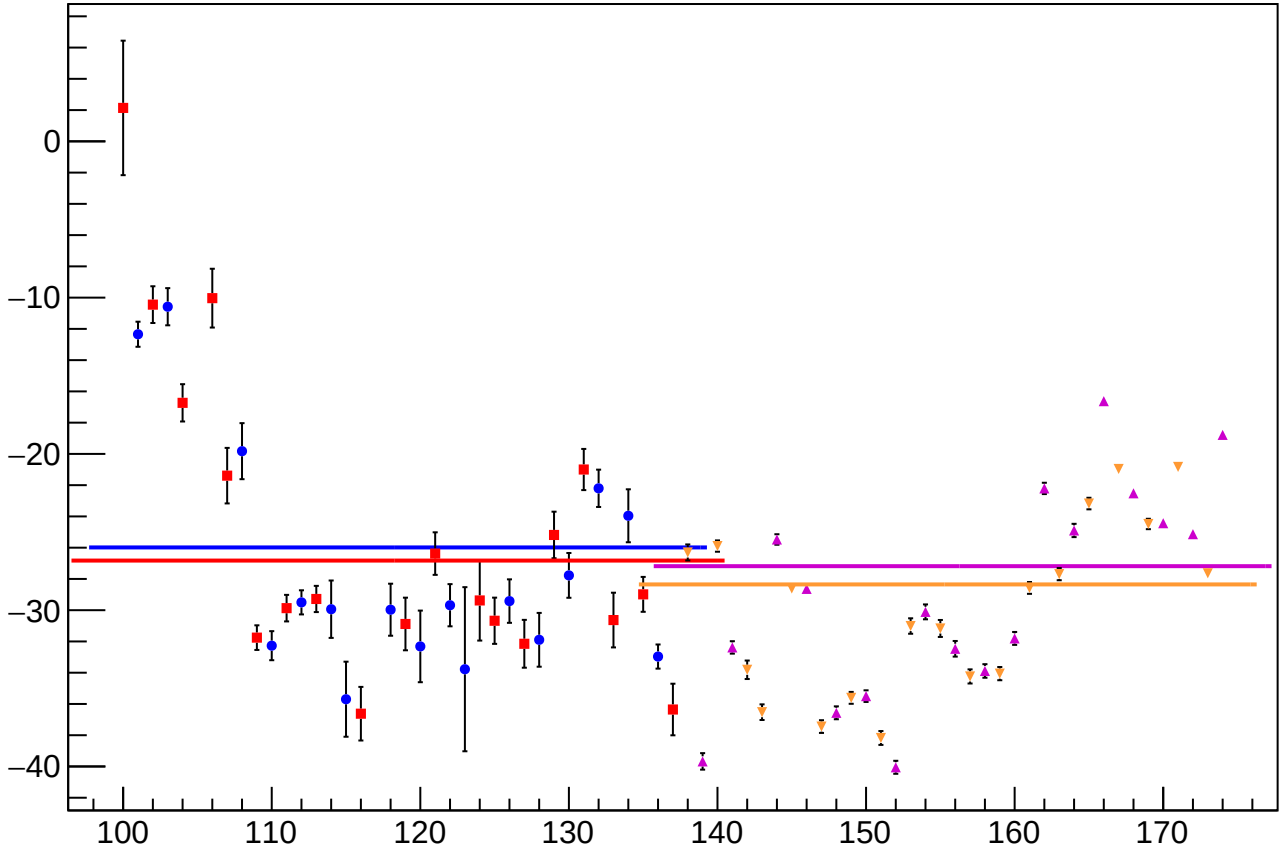
Right: 0.386+/-0.122 χ^2/NDF: 562.1/35

In: 1.742+/-0.059 χ^2/NDF:1565.3/34

Out: 1.515+/-0.060 χ^2/NDF:1466.1/37

All: 1.630+/-0.042 χ^2/NDF: 3038.5/72

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: -27.183+/-0.086 χ^2/NDF:5878.2/17

Left: -27.751+/-0.061 χ^2/NDF: 9807.7/36

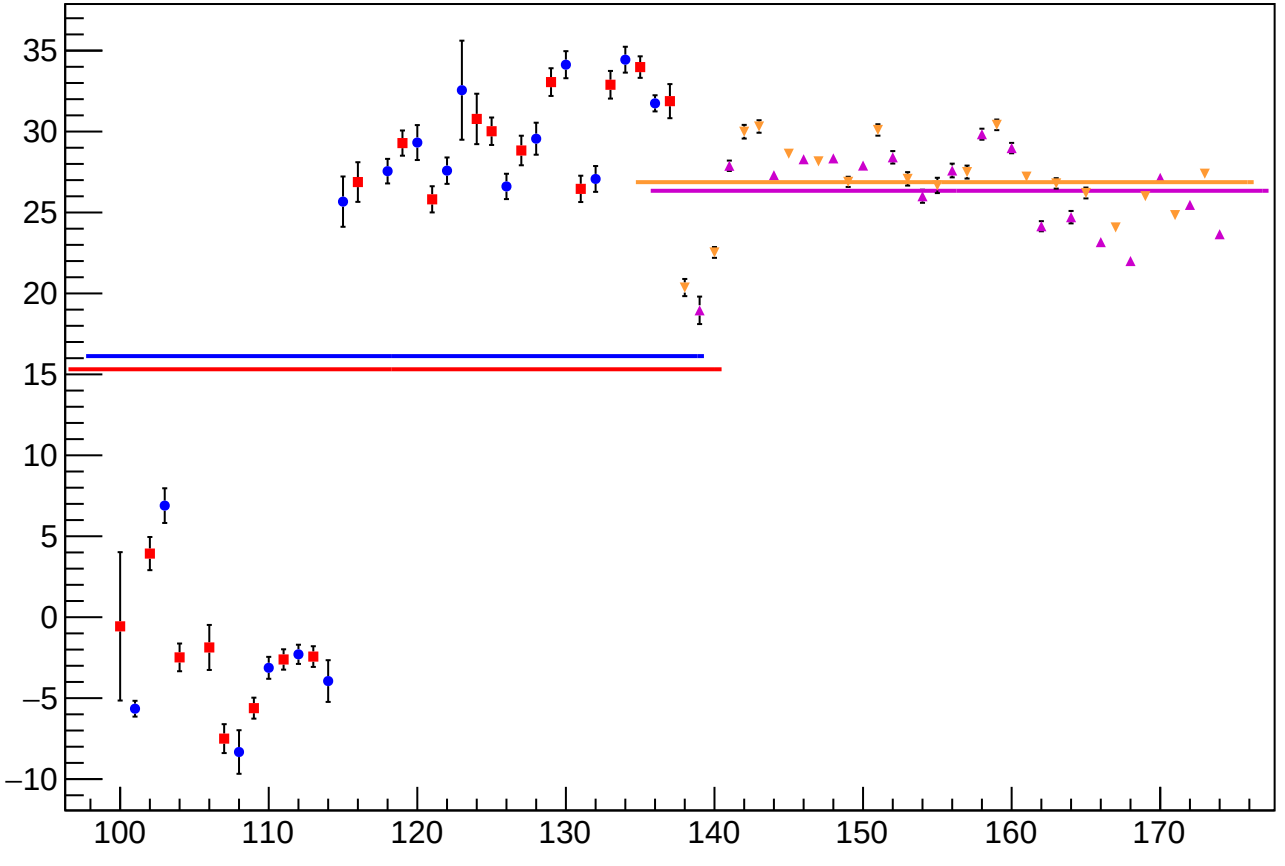
Right: -26.408+/-0.211 χ^2/NDF: 1277.0/35

In: -27.093+/-0.082 χ^2/NDF:6584.5/34

Out: -28.228+/-0.084 χ^2/NDF:4444.6/37

All: -27.647+/-0.059 χ^2/NDF: 11121.9/72

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129+/-0.192 χ^2/NDF: 7572.5/16

Left Out: 26.874+/-0.073 χ^2/NDF:922.1/18

Right Out: 15.315+/-0.197 χ^2/NDF: 7278.1/18

Left In: 26.341+/-0.073 χ^2/NDF:1010.0/17

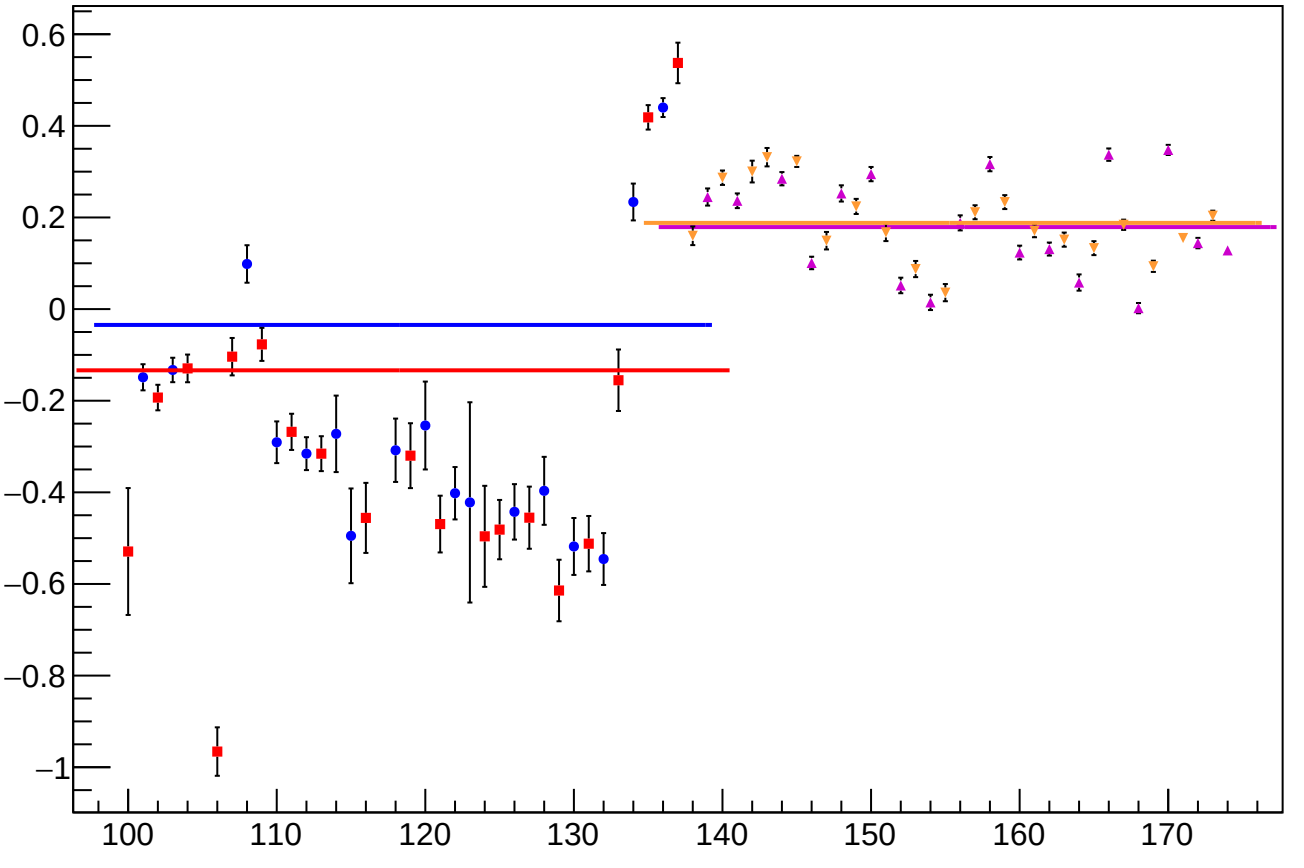
Left: 26.605+/-0.052 χ^2/NDF: 1958.7/36

Right: 15.732+/-0.138 χ^2/NDF: 14859.4/35

In: 25.062+/-0.068 χ^2/NDF:11055.6/34

Out: 25.469+/-0.069 χ^2/NDF:11223.8/37

All: 25.263+/-0.048 χ^2/NDF: 22297.2/72



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: 0.179+/-0.003 χ^2/NDF:1136.6/17

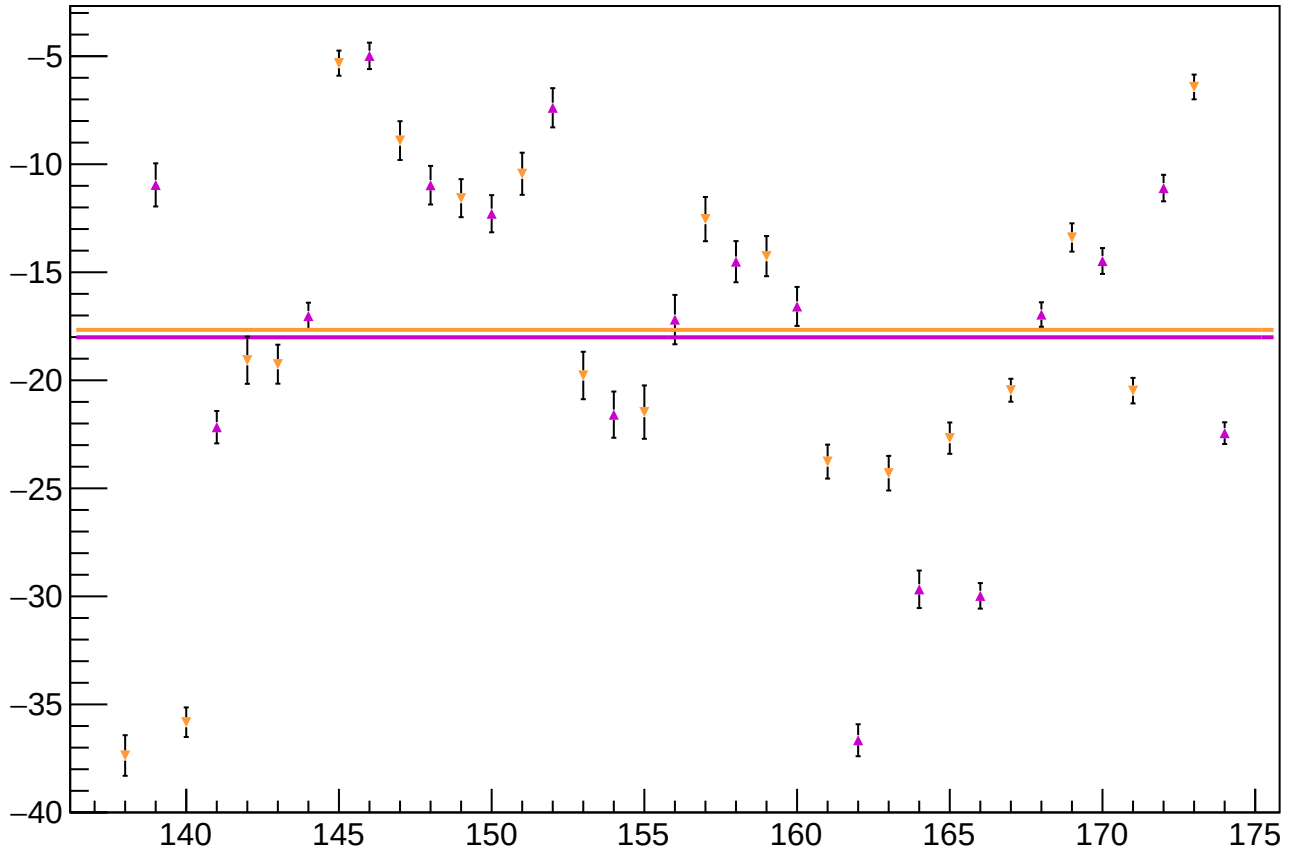
Left: 0.183+/-0.002 χ^2/NDF: 1587.9/36

Right: -0.084+/-0.007 χ^2/NDF: 2219.2/35

In: 0.159+/-0.003 χ^2/NDF:2535.2/34

Out: 0.157+/-0.003 χ^2/NDF:2478.3/37

All: 0.158+/-0.002 χ^2/NDF: 5013.6/72



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: -18.010+/-0.170 χ^2/NDF:2276.6/17

Left: -17.843+/-0.122 χ^2/NDF: 4782.9/36

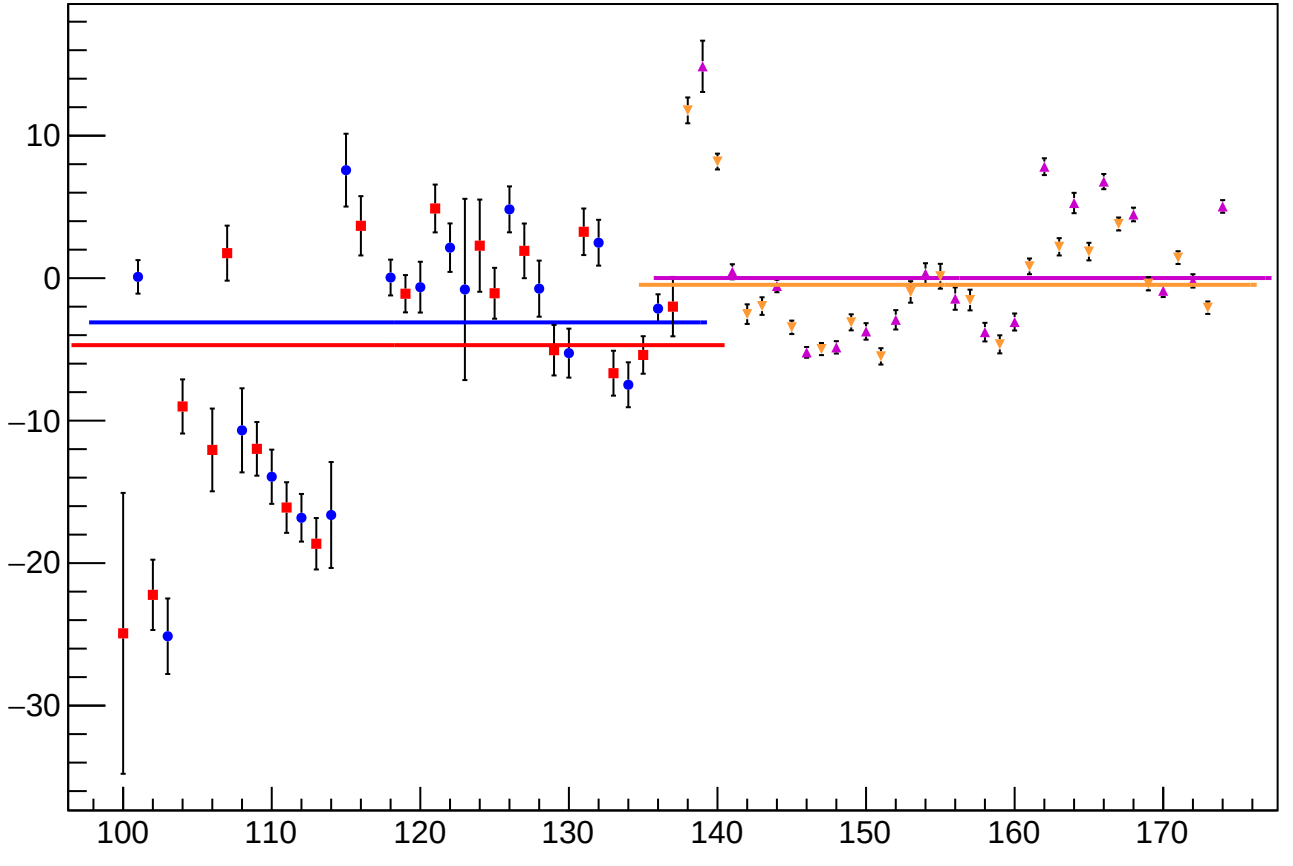
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -18.010+/-0.170 χ^2/NDF:2276.6/17

Out: -17.666+/-0.176 χ^2/NDF:2504.4/18

All: -17.843+/-0.122 χ^2/NDF: 4782.9/36

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104+/-0.411 χ^2/NDF: 279.1/16

Left Out: -0.467+/-0.128 χ^2/NDF:895.2/18

Right Out: -4.701+/-0.427 χ^2/NDF: 297.6/18

Left In: 0.009+/-0.126 χ^2/NDF:1120.3/17

Left: -0.226+/-0.090 χ^2/NDF: 2022.5/36

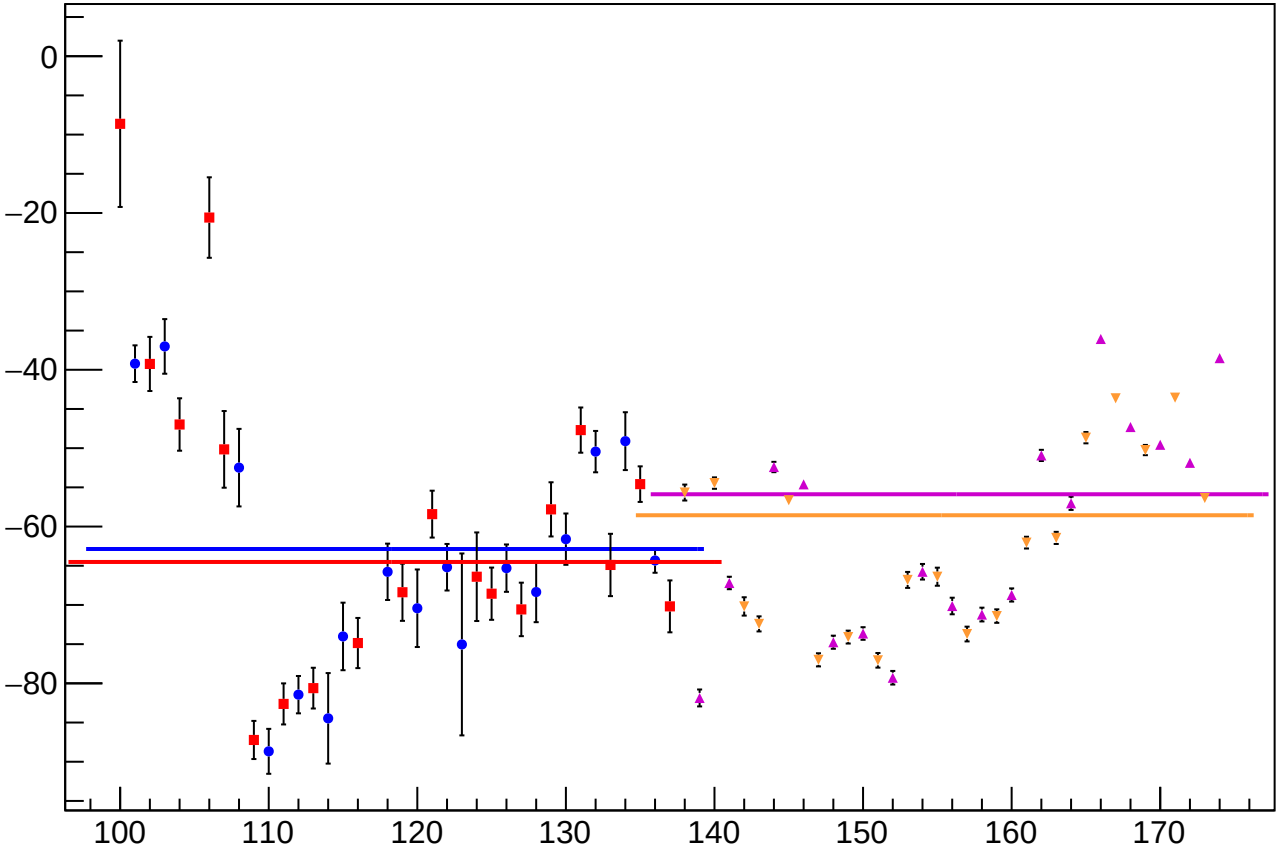
Right: -3.873+/-0.296 χ^2/NDF: 584.0/35

In: -0.260+/-0.121 χ^2/NDF:1451.8/34

Out: -0.817+/-0.123 χ^2/NDF:1283.3/37

All: -0.534+/-0.086 χ^2/NDF: 2745.5/72

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: -55.879+/-0.171 χ^2/NDF:5875.2/17

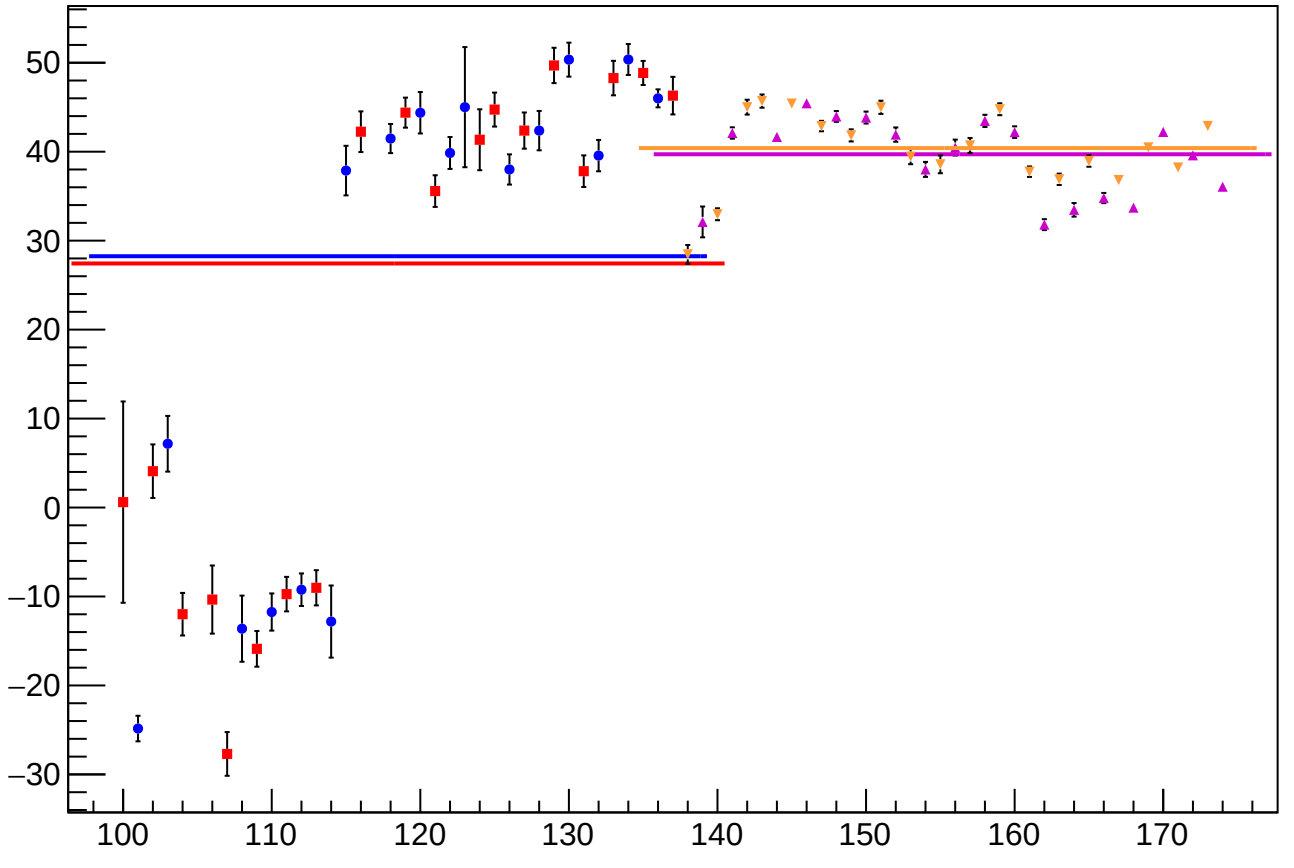
Left: -57.176+/-0.122 χ^2/NDF: 9965.7/36

Right: -63.677+/-0.528 χ^2/NDF: 815.4/35

In: -56.231+/-0.166 χ^2/NDF:6328.3/34

Out: -58.868+/-0.171 χ^2/NDF:4474.9/37

All: -57.508+/-0.119 χ^2/NDF: 10925.2/72



Right In: 28.250+/-0.460 χ^2/NDF: 3319.5/16

Left Out: 40.406+/-0.147 χ^2/NDF:679.6/18

Right Out: 27.435+/-0.479 χ^2/NDF: 3032.4/18

Left In: 39.711+/-0.145 χ^2/NDF:844.9/17

Left: 40.054+/-0.103 χ^2/NDF: 1535.8/36

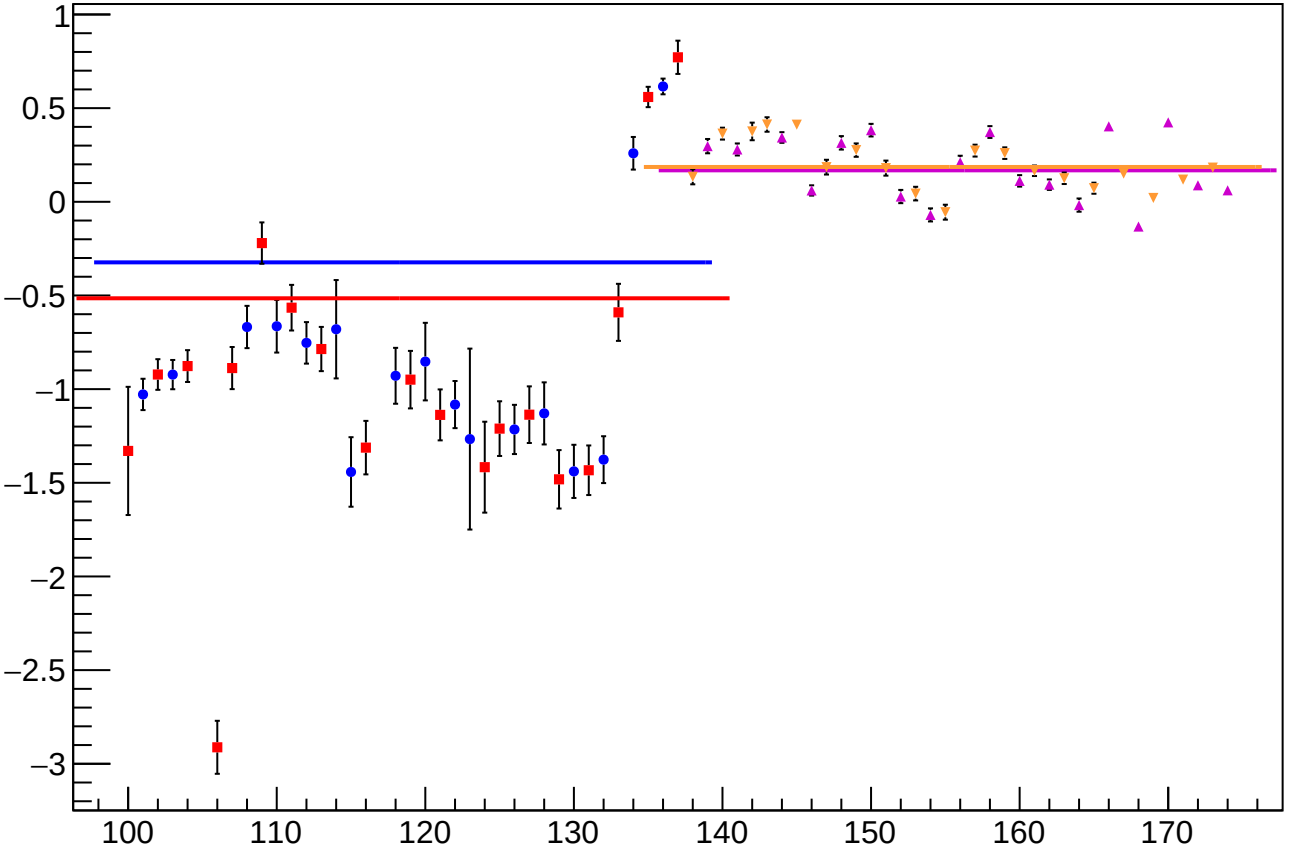
Right: 27.859+/-0.332 χ^2/NDF: 6353.5/35

In: 38.679+/-0.138 χ^2/NDF:4729.0/34

Out: 39.294+/-0.140 χ^2/NDF:4383.1/37

All: 38.981+/-0.098 χ^2/NDF: 9121.8/72

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: 0.168+/-0.007 χ^2/NDF:725.8/17

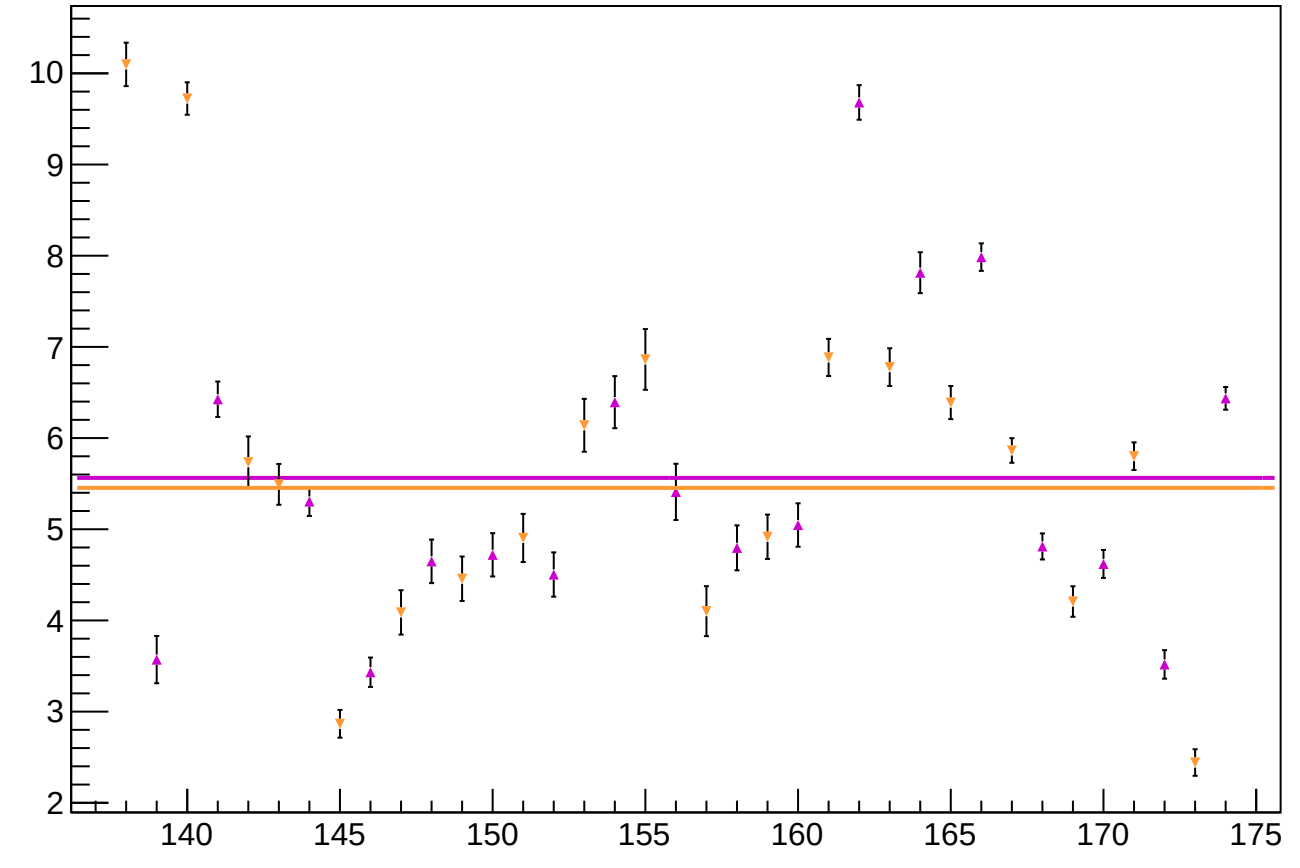
Left: 0.177+/-0.005 χ^2/NDF: 1050.5/36

Right: -0.416+/-0.018 χ^2/NDF: 2200.2/35

In: 0.135+/-0.006 χ^2/NDF:2098.5/34

Out: 0.140+/-0.007 χ^2/NDF:2174.2/37

All: 0.138+/-0.005 χ^2/NDF: 4273.0/72



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

Left Out: 5.454+/-0.045 χ^2/NDF:1965.2/18

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

Left In: 5.563+/-0.044 χ^2/NDF:1439.6/17

Left: 5.510+/-0.032 χ^2/NDF: 3407.8/36

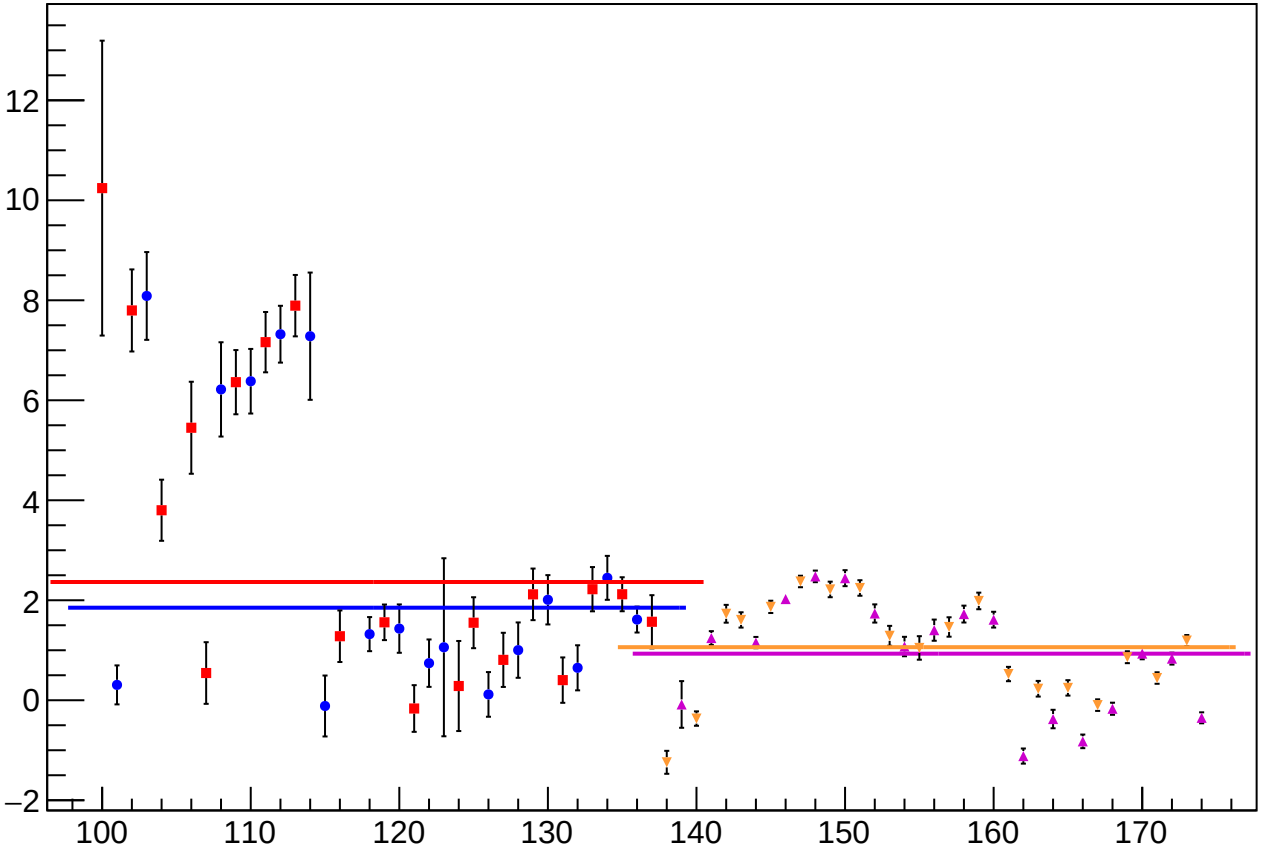
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 5.563+/-0.044 χ^2/NDF:1439.6/17

Out: 5.454+/-0.045 χ^2/NDF:1965.2/18

All: 5.510+/-0.032 χ^2/NDF: 3407.8/36

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: 0.932+/-0.033 χ^2/NDF:1089.4/17

Left: 0.995+/-0.023 χ^2/NDF: 1848.2/36

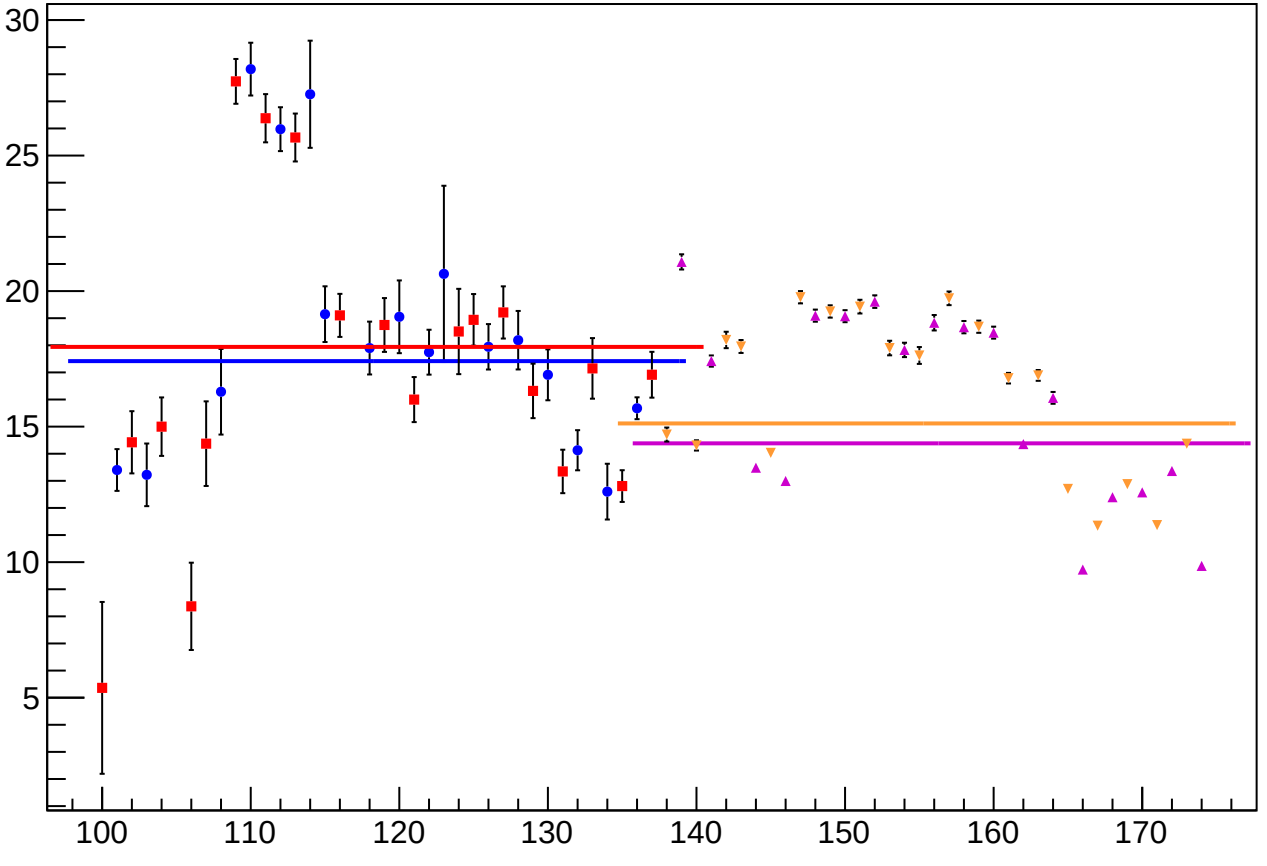
Right: 2.097+/-0.085 χ^2/NDF: 639.6/35

In: 0.998+/-0.032 χ^2/NDF:1440.7/34

Out: 1.151+/-0.032 χ^2/NDF:1192.7/37

All: 1.073+/-0.022 χ^2/NDF: 2644.9/72

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417+/-0.213 χ^2/NDF: 367.0/16

Left Out: 15.117+/-0.046 χ^2/NDF:3992.5/18

Right Out: 17.941+/-0.219 χ^2/NDF: 505.6/18

Left In: 14.383+/-0.044 χ^2/NDF:5861.7/17

Left: 14.737+/-0.032 χ^2/NDF: 9988.2/36

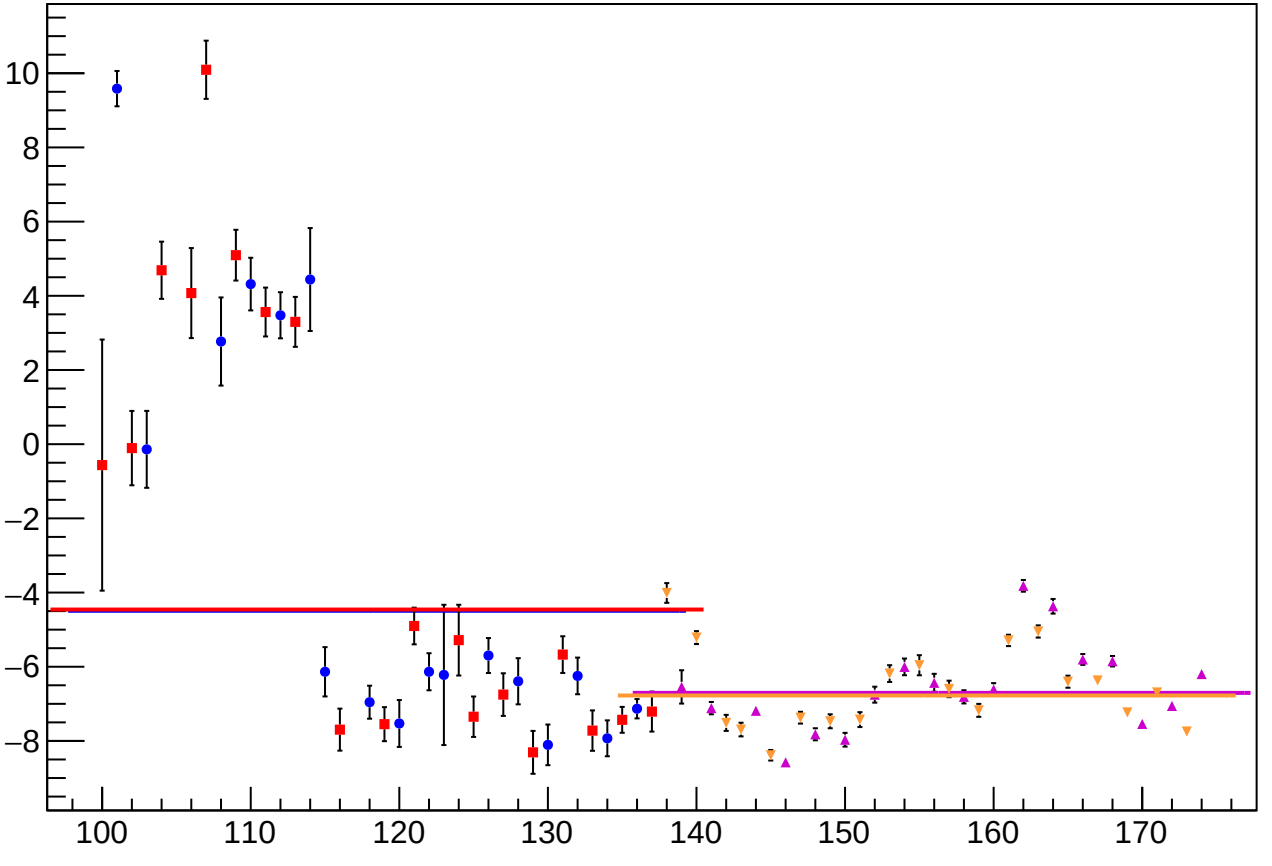
Right: 17.671+/-0.153 χ^2/NDF: 875.6/35

In: 14.508+/-0.043 χ^2/NDF:6424.0/34

Out: 15.235+/-0.045 χ^2/NDF:4657.2/37

All: 14.859+/-0.031 χ^2/NDF: 11218.0/72

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: -6.705+/-0.037 χ^2/NDF:973.2/17

Left: -6.739+/-0.027 χ^2/NDF: 1684.8/36

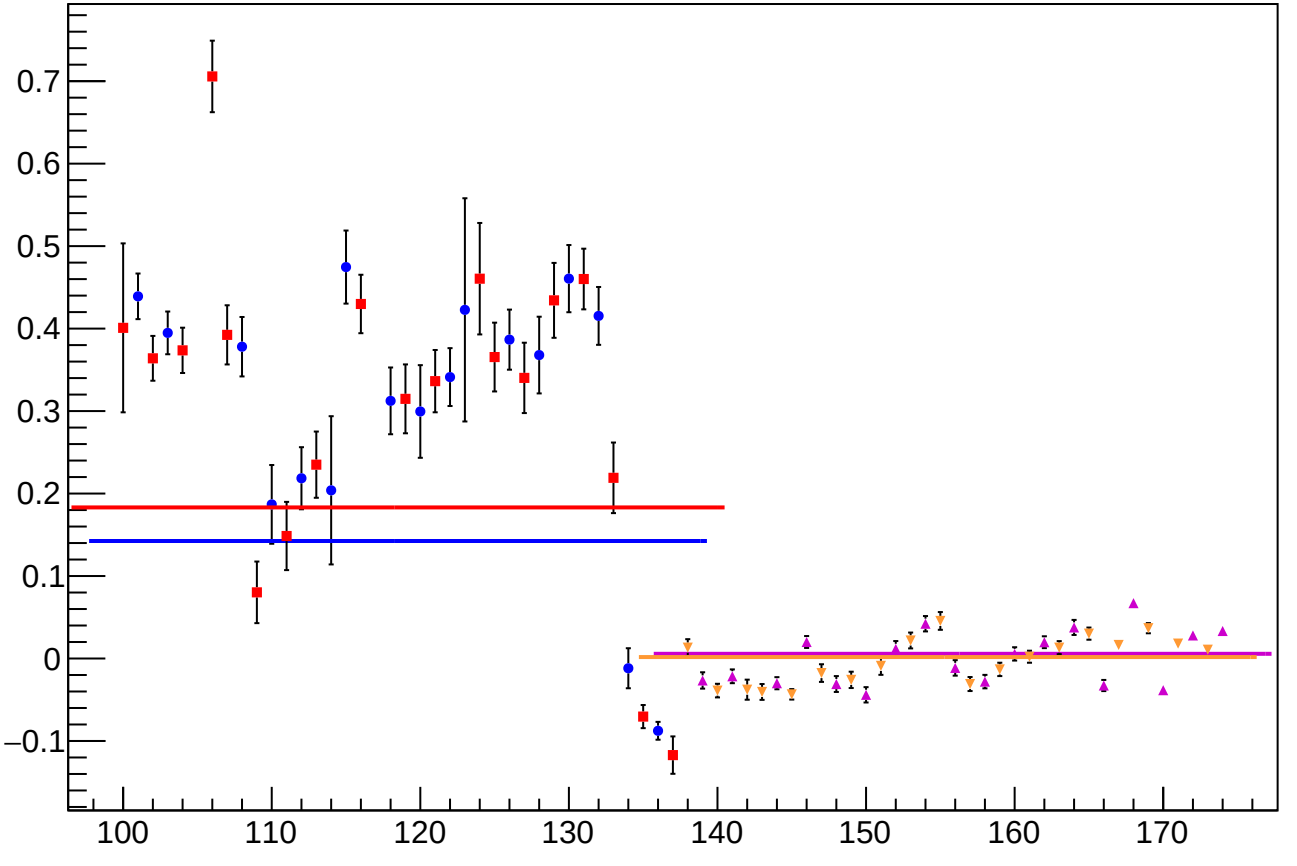
Right: -4.476+/-0.094 χ^2/NDF: 2924.4/35

In: -6.536+/-0.036 χ^2/NDF:2824.6/34

Out: -6.610+/-0.037 χ^2/NDF:2314.4/37

All: -6.572+/-0.026 χ^2/NDF: 5141.0/72

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.142+/-0.007 χ^2/NDF: 1058.8/16

Left Out: 0.002+/-0.002 χ^2/NDF:225.1/18

Right Out: 0.183+/-0.007 χ^2/NDF: 1000.9/18

Left In: 0.006+/-0.002 χ^2/NDF:410.2/17

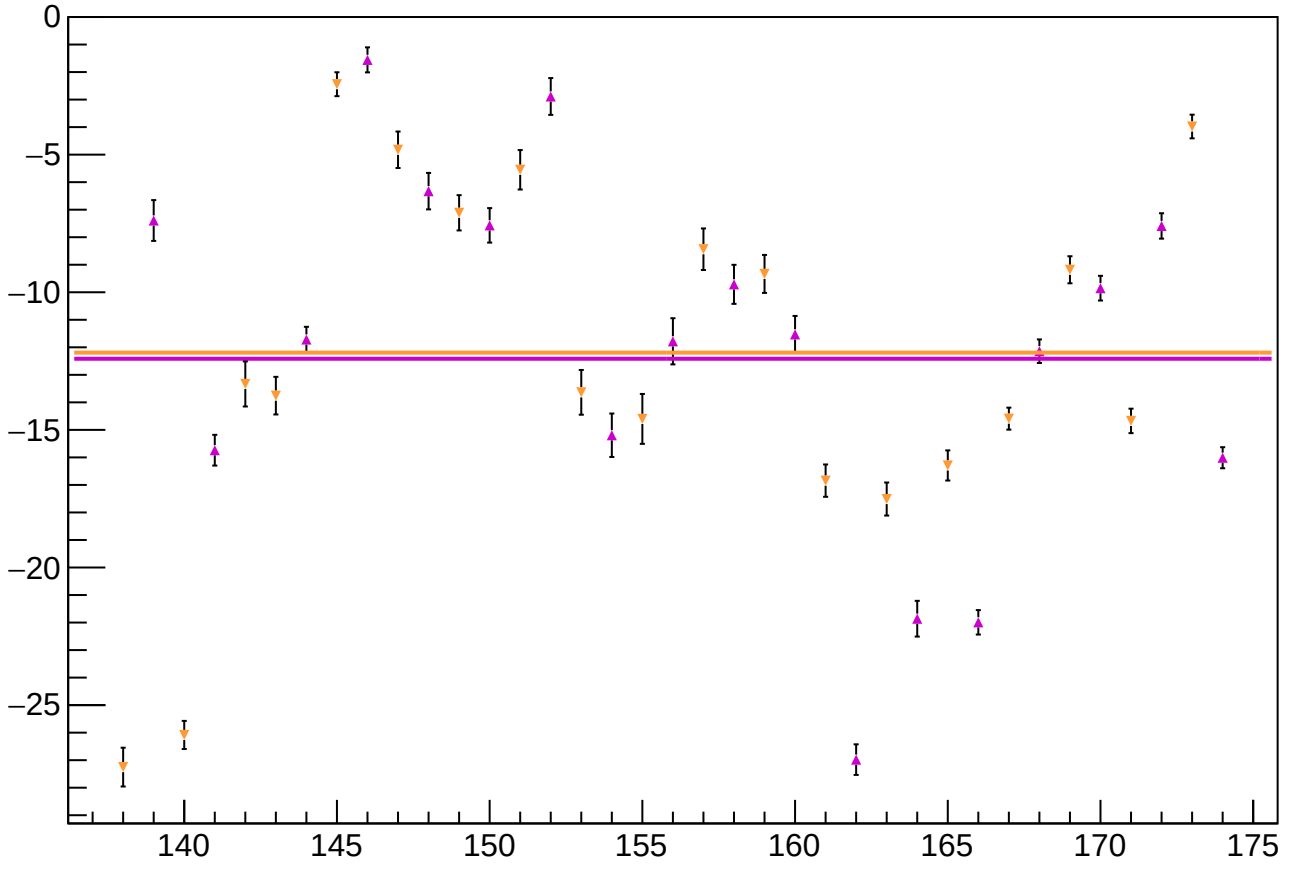
Left: 0.004+/-0.001 χ^2/NDF: 637.9/36

Right: 0.162+/-0.005 χ^2/NDF: 2075.4/35

In: 0.013+/-0.002 χ^2/NDF:1822.5/34

Out: 0.011+/-0.002 χ^2/NDF:1793.6/37

All: 0.012+/-0.001 χ^2/NDF: 3616.7/72



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: -12.416+/-0.128 χ^2/NDF:2624.2/17

Left: -12.308+/-0.092 χ^2/NDF: 5325.8/36

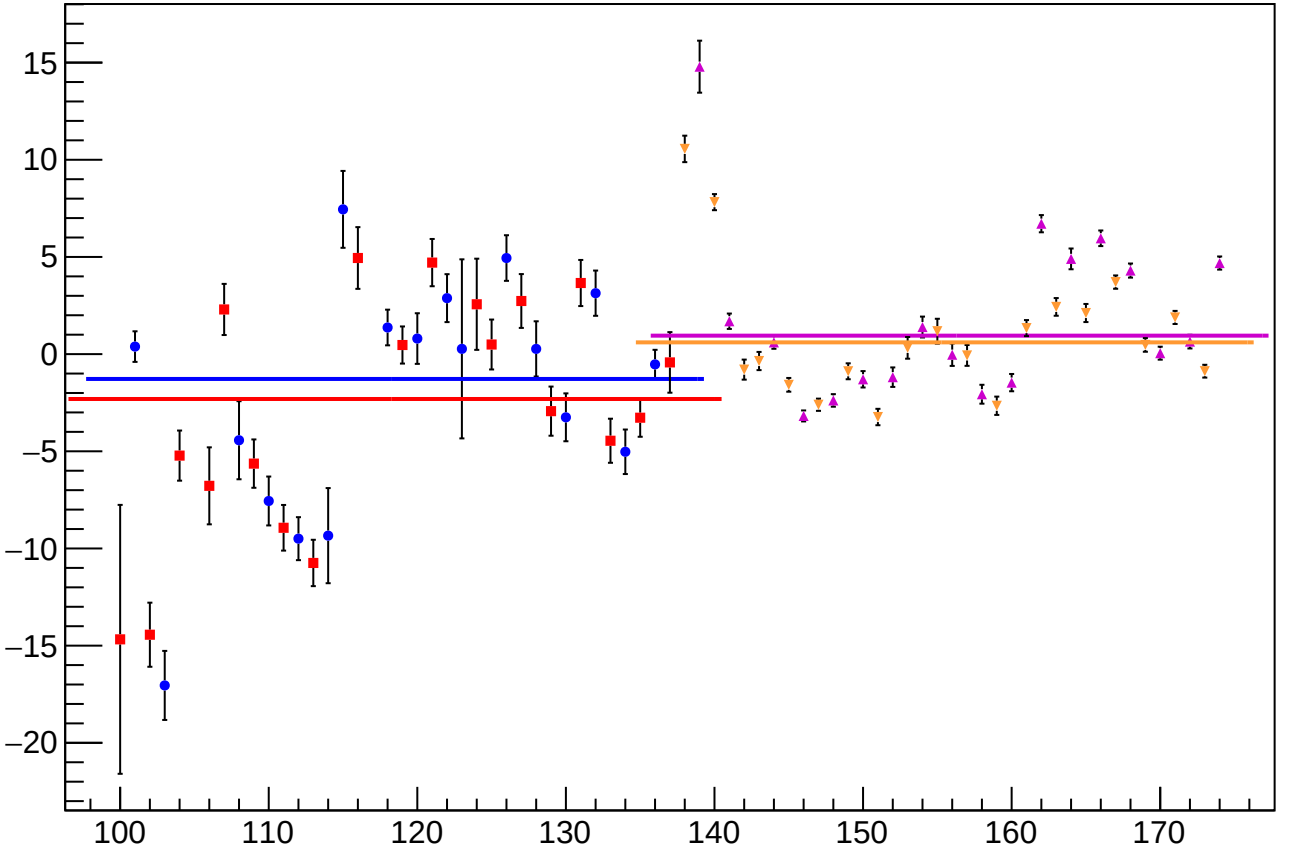
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -12.416+/-0.128 χ^2/NDF:2624.2/17

Out: -12.194+/-0.131 χ^2/NDF:2700.2/18

All: -12.308+/-0.092 χ^2/NDF: 5325.8/36

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: 0.950+/-0.095 χ^2/NDF:1144.8/17

Left: 0.779+/-0.067 χ^2/NDF: 2115.5/36

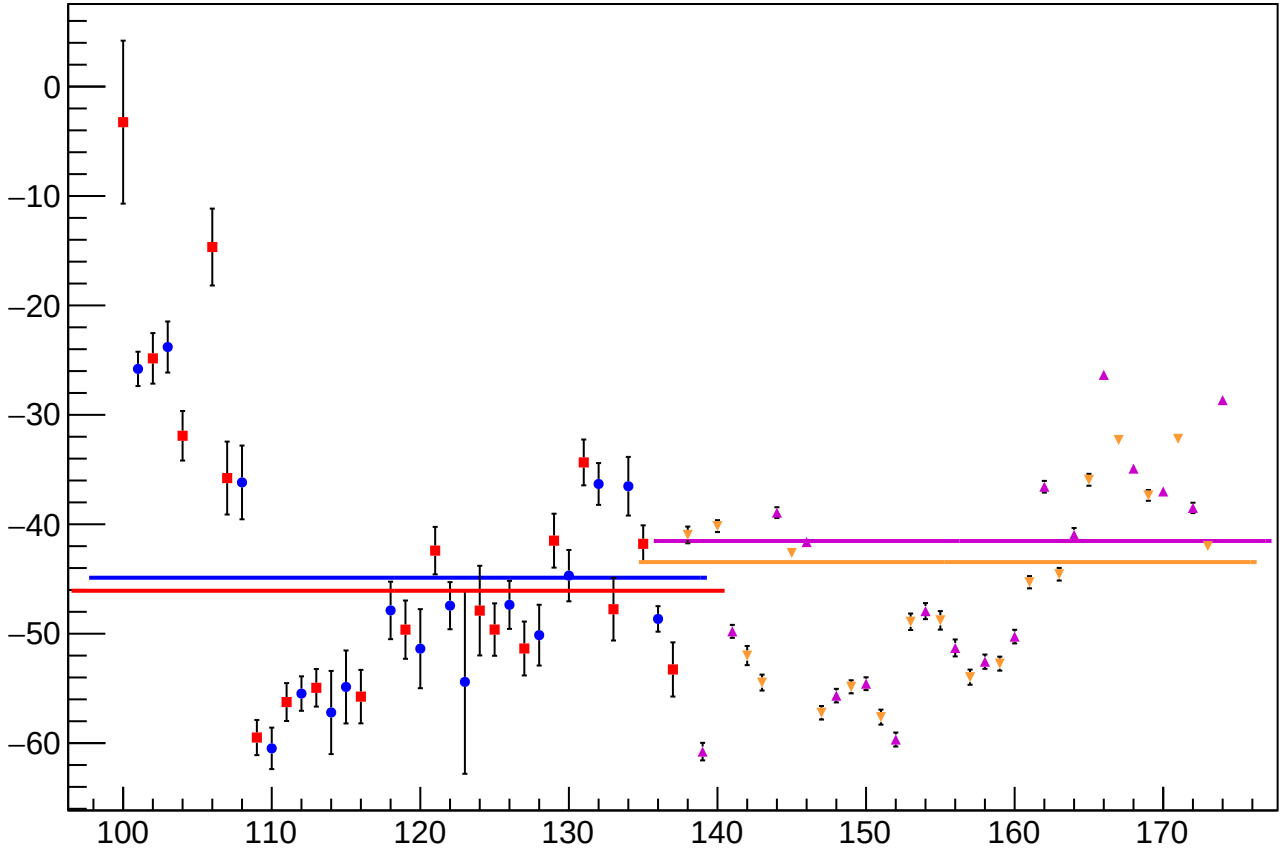
Right: -1.776+/-0.210 χ^2/NDF: 567.8/35

In: 0.739+/-0.090 χ^2/NDF:1473.8/34

Out: 0.340+/-0.091 χ^2/NDF:1333.8/37

All: 0.542+/-0.064 χ^2/NDF: 2817.4/72

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -44.883+/-0.524 χ^2/NDF: 421.0/16

Left Out: -43.454+/-0.131 χ^2/NDF:3939.3/18

Right Out: -46.075+/-0.529 χ^2/NDF: 454.3/18

Left In: -41.526+/-0.128 χ^2/NDF:5875.8/17

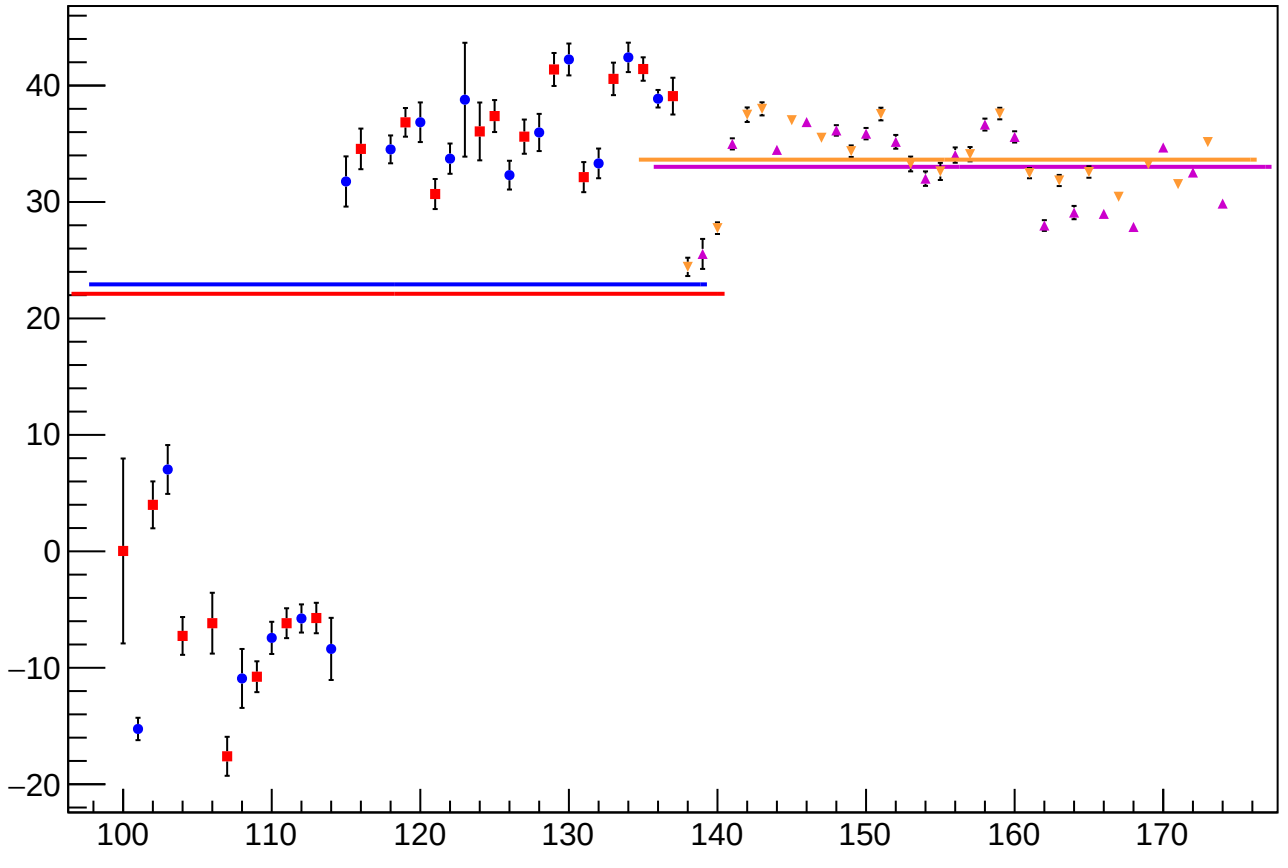
Left: -42.461+/-0.092 χ^2/NDF: 9925.9/36

Right: -45.474+/-0.372 χ^2/NDF: 877.8/35

In: -41.714+/-0.124 χ^2/NDF:6335.4/34

Out: -43.607+/-0.128 χ^2/NDF:4416.7/37

All: -42.633+/-0.089 χ^2/NDF: 10865.5/72



Right In: 22.926+/-0.328 χ^2/NDF: 4330.2/16

Left Out: 33.637+/-0.110 χ^2/NDF:729.3/18

Right Out: 22.117+/-0.340 χ^2/NDF: 4033.4/18

Left In: 33.019+/-0.108 χ^2/NDF:865.6/17

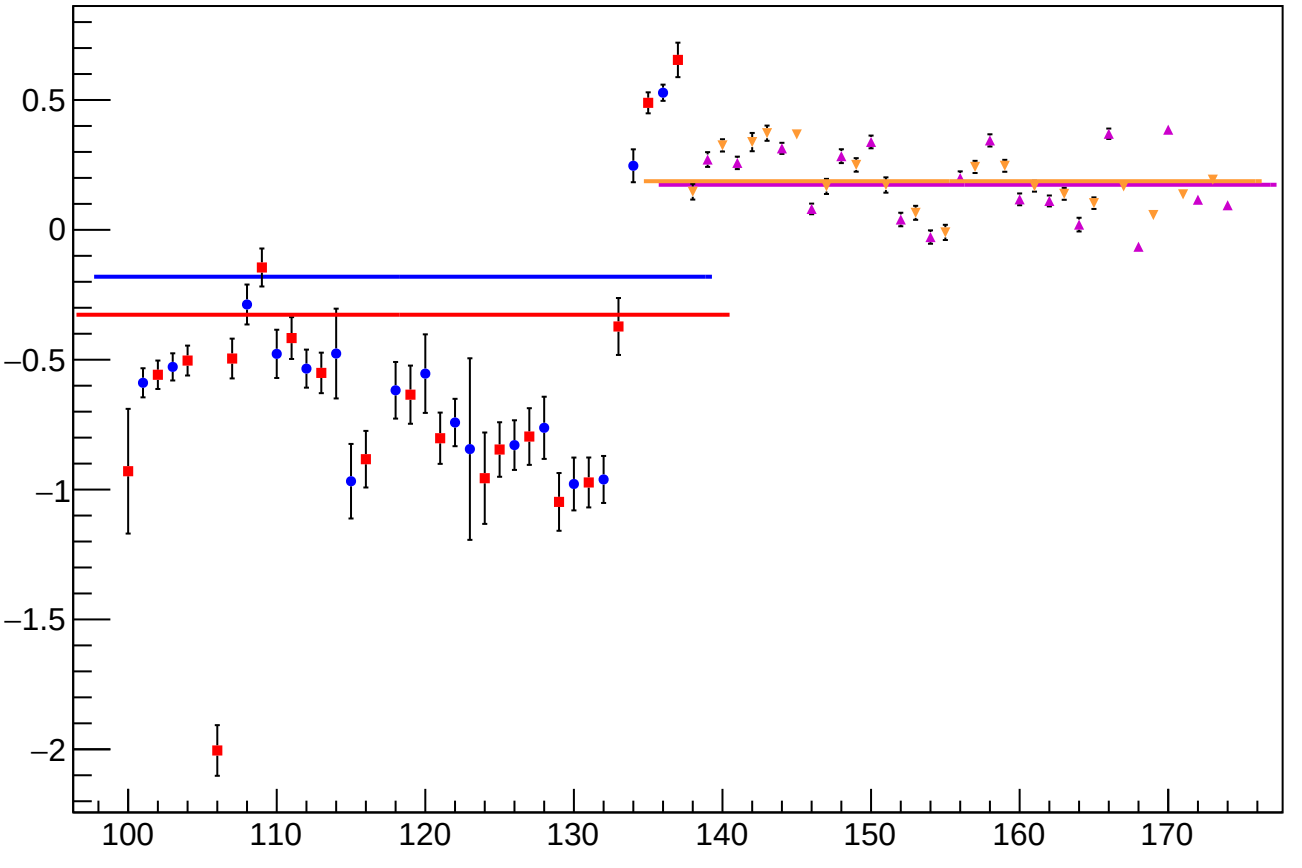
Left: 33.325+/-0.077 χ^2/NDF: 1611.0/36

Right: 22.536+/-0.236 χ^2/NDF: 8366.6/35

In: 32.028+/-0.103 χ^2/NDF:6049.5/34

Out: 32.554+/-0.104 χ^2/NDF:5803.0/37

All: 32.287+/-0.073 χ^2/NDF: 11865.3/72



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: 0.174+/-0.005 χ^2/NDF:855.3/17

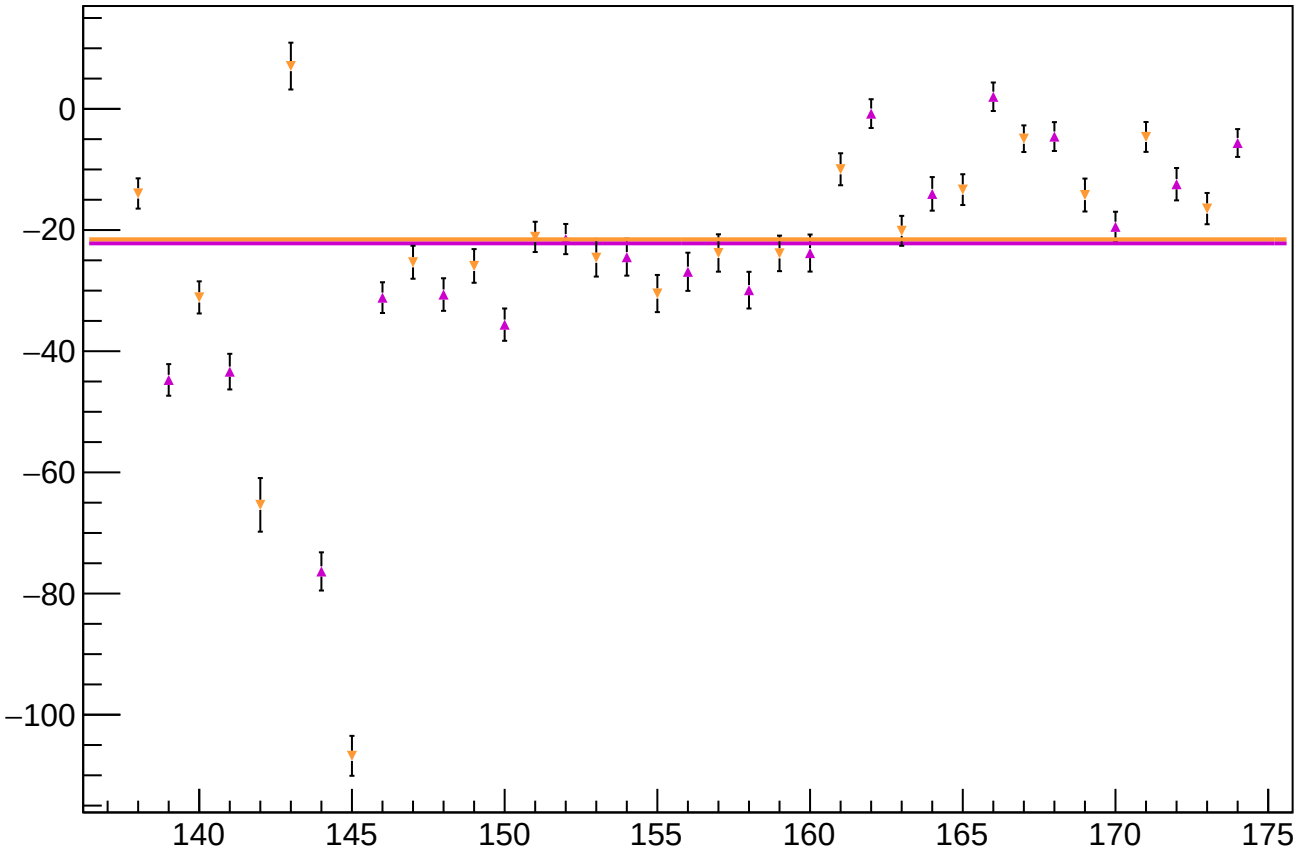
Left: 0.180+/-0.004 χ^2/NDF: 1219.8/36

Right: -0.252+/-0.013 χ^2/NDF: 2204.4/35

In: 0.148+/-0.005 χ^2/NDF:2219.2/34

Out: 0.150+/-0.005 χ^2/NDF:2276.6/37

All: 0.149+/-0.003 χ^2/NDF: 4495.9/72



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: -22.193+/-0.628 χ^2/NDF:795.9/17

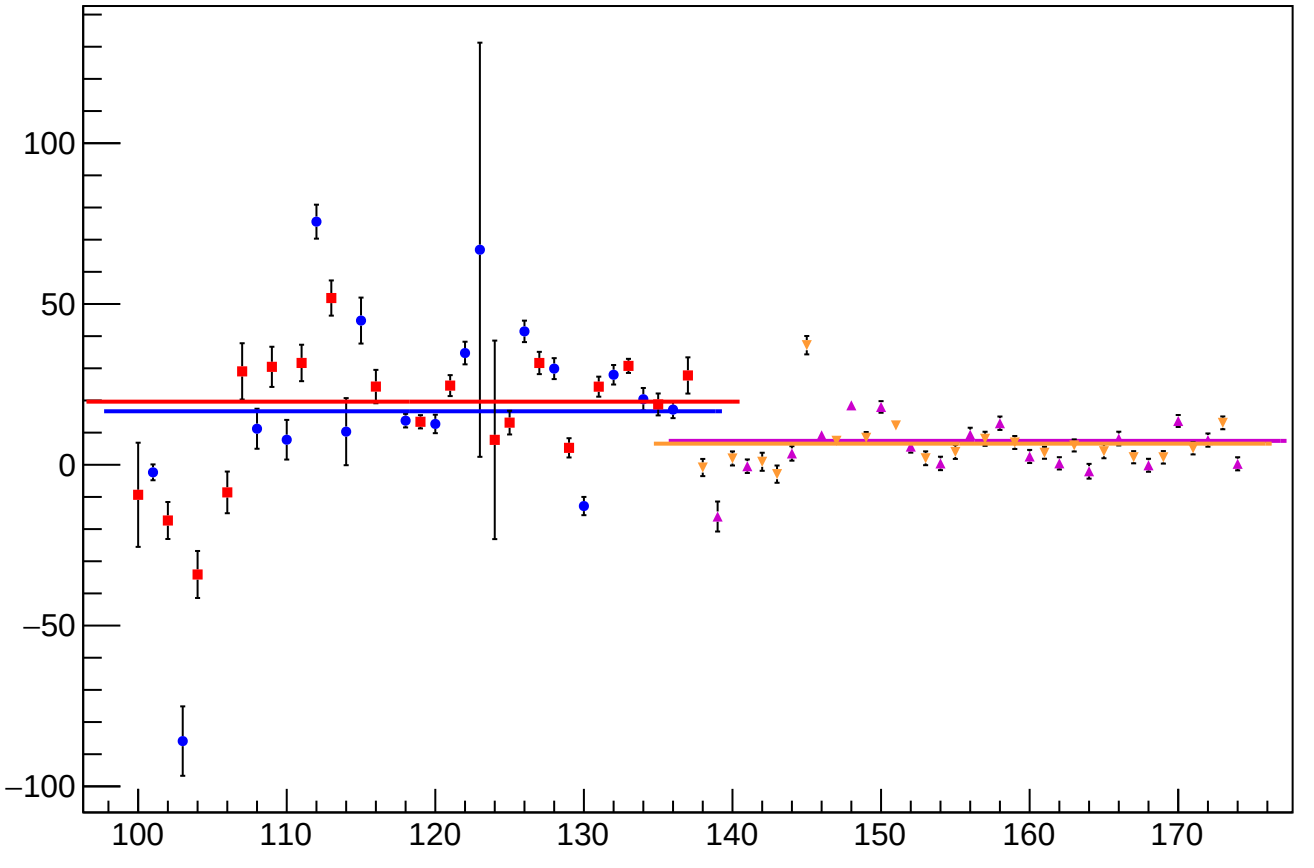
Left: -21.863+/-0.446 χ^2/NDF: 1800.4/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -22.193+/-0.628 χ^2/NDF:795.9/17

Out: -21.527+/-0.634 χ^2/NDF:1003.9/18

All: -21.863+/-0.446 χ^2/NDF: 1800.4/36



Right In: 16.641+/-0.859 χ^2/NDF: 518.9/16

Left Out: 6.568+/-0.453 χ^2/NDF:191.7/18

Right Out: 19.632+/-0.896 χ^2/NDF: 241.7/18

Left In: 7.435+/-0.461 χ^2/NDF:242.7/17

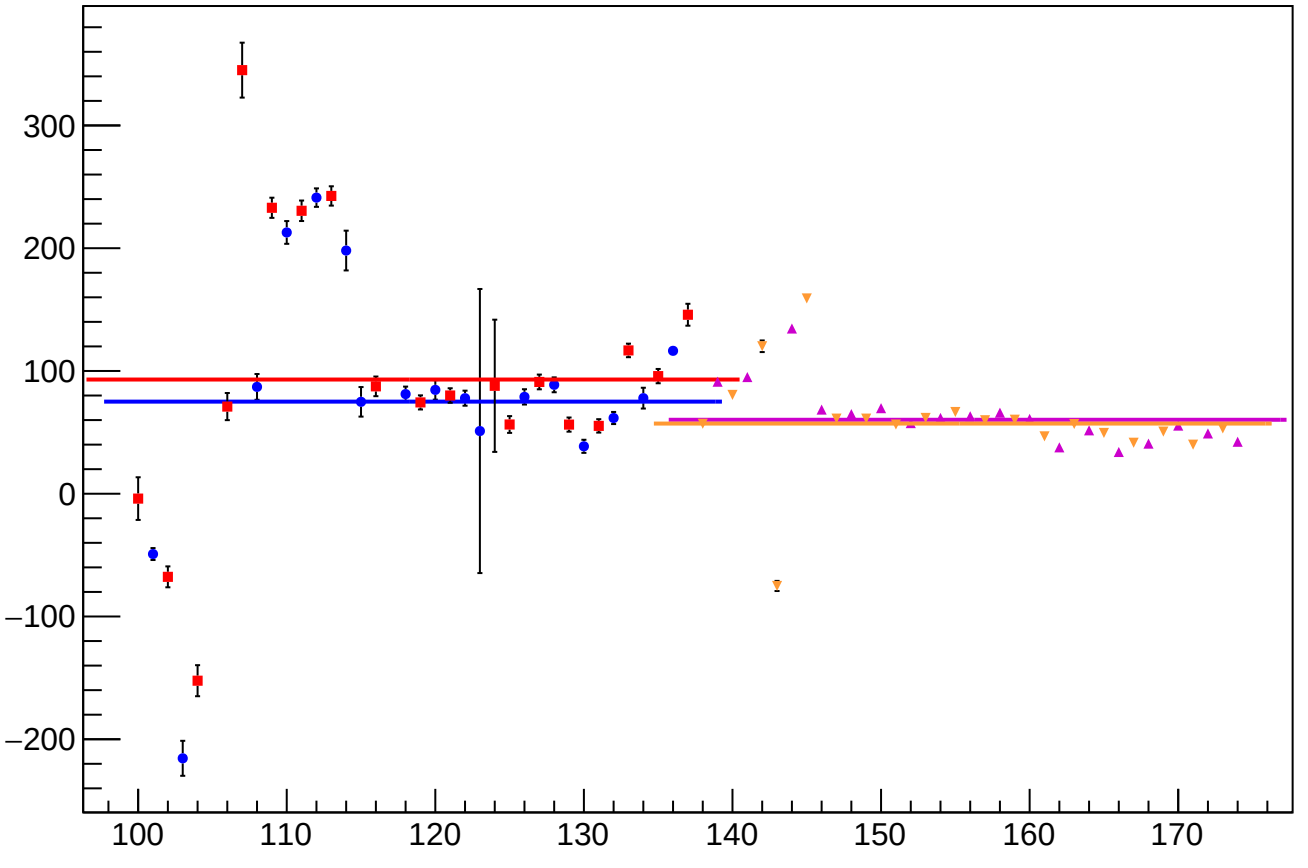
Left: 6.993+/-0.323 χ^2/NDF: 436.2/36

Right: 18.072+/-0.620 χ^2/NDF: 766.4/35

In: 9.497+/-0.406 χ^2/NDF:850.8/34

Out: 9.223+/-0.404 χ^2/NDF:602.7/37

All: 9.359+/-0.287 χ^2/NDF: 1453.7/72



Right In: 75.032+/-1.647 χ^2/NDF: 1999.7/16

Left Out: 57.153+/-0.626 χ^2/NDF:2310.3/18

Right Out: 93.028+/-1.711 χ^2/NDF: 2003.6/18

Left In: 60.244+/-0.620 χ^2/NDF:1130.3/17

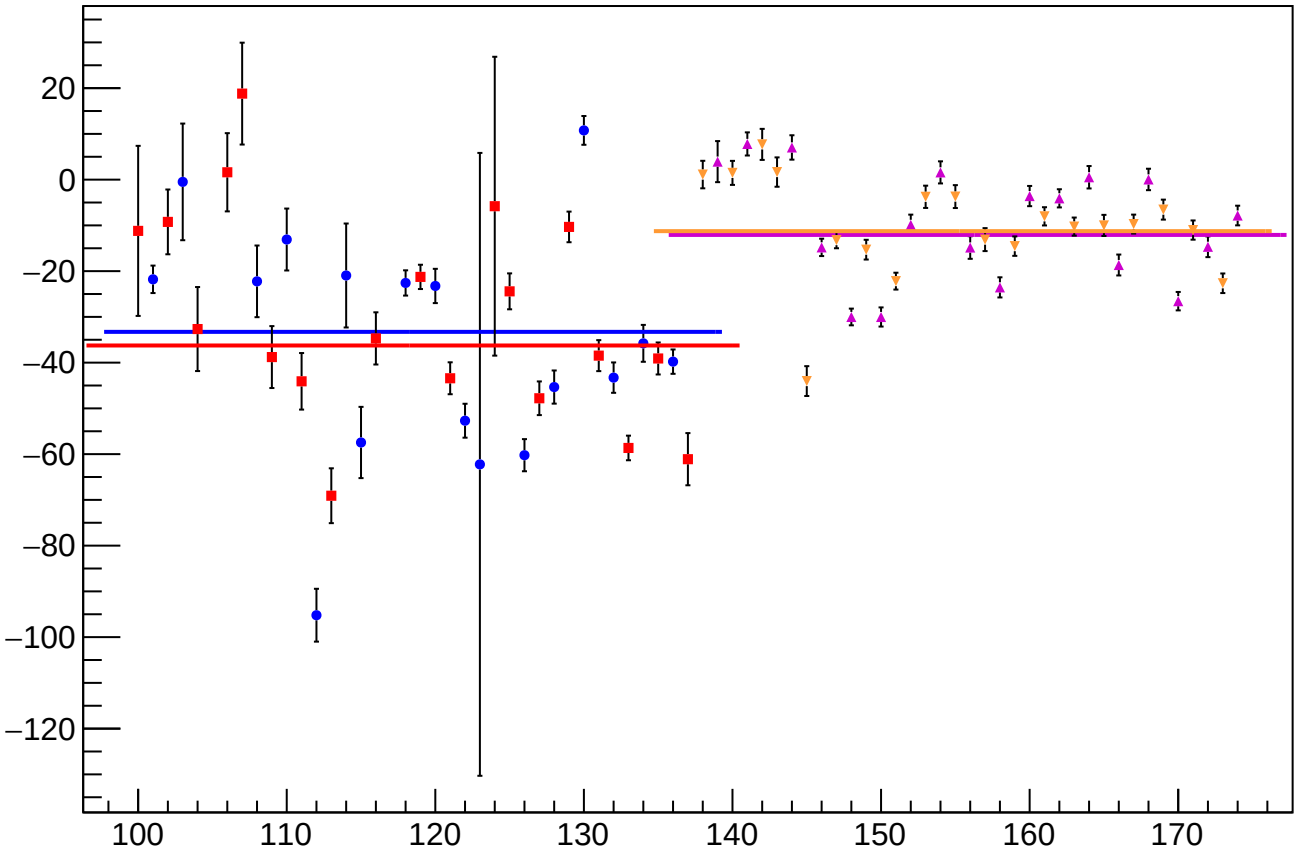
Left: 58.714+/-0.440 χ^2/NDF: 3452.9/36

Right: 83.683+/-1.187 χ^2/NDF: 4060.7/35

In: 62.079+/-0.580 χ^2/NDF:3200.7/34

Out: 61.386+/-0.588 χ^2/NDF:4701.5/37

All: 61.737+/-0.413 χ^2/NDF: 7902.8/72



Right In: -33.272+/-0.982 χ^2/NDF: 489.4/16

Left Out: -11.258+/-0.523 χ^2/NDF:287.0/18

Right Out: -36.251+/-1.024 χ^2/NDF: 297.6/18

Left In: -12.084+/-0.531 χ^2/NDF:508.7/17

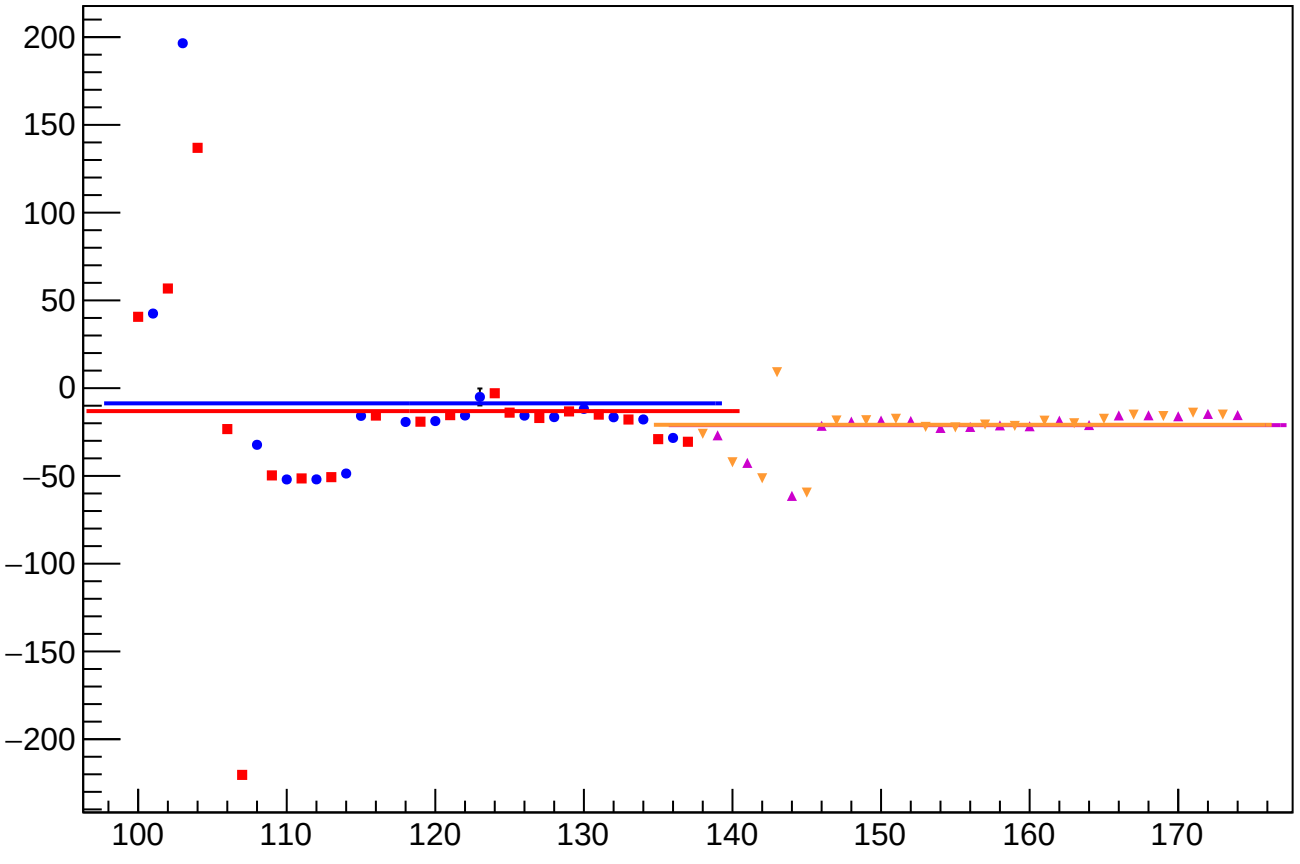
Left: -11.665+/-0.373 χ^2/NDF: 797.0/36

Right: -34.699+/-0.709 χ^2/NDF: 791.4/35

In: -16.873+/-0.467 χ^2/NDF:1358.4/34

Out: -16.434+/-0.466 χ^2/NDF:1057.1/37

All: -16.653+/-0.330 χ^2/NDF: 2415.9/72



Right In: -8.657+/-0.059 χ^2/NDF: 575742.7/16

Left Out: -20.866+/-0.024 χ^2/NDF:193249.8/18

Right Out: -13.077+/-0.062 χ^2/NDF: 558318.9/18

Left In: -21.072+/-0.024 χ^2/NDF:127825.2/17

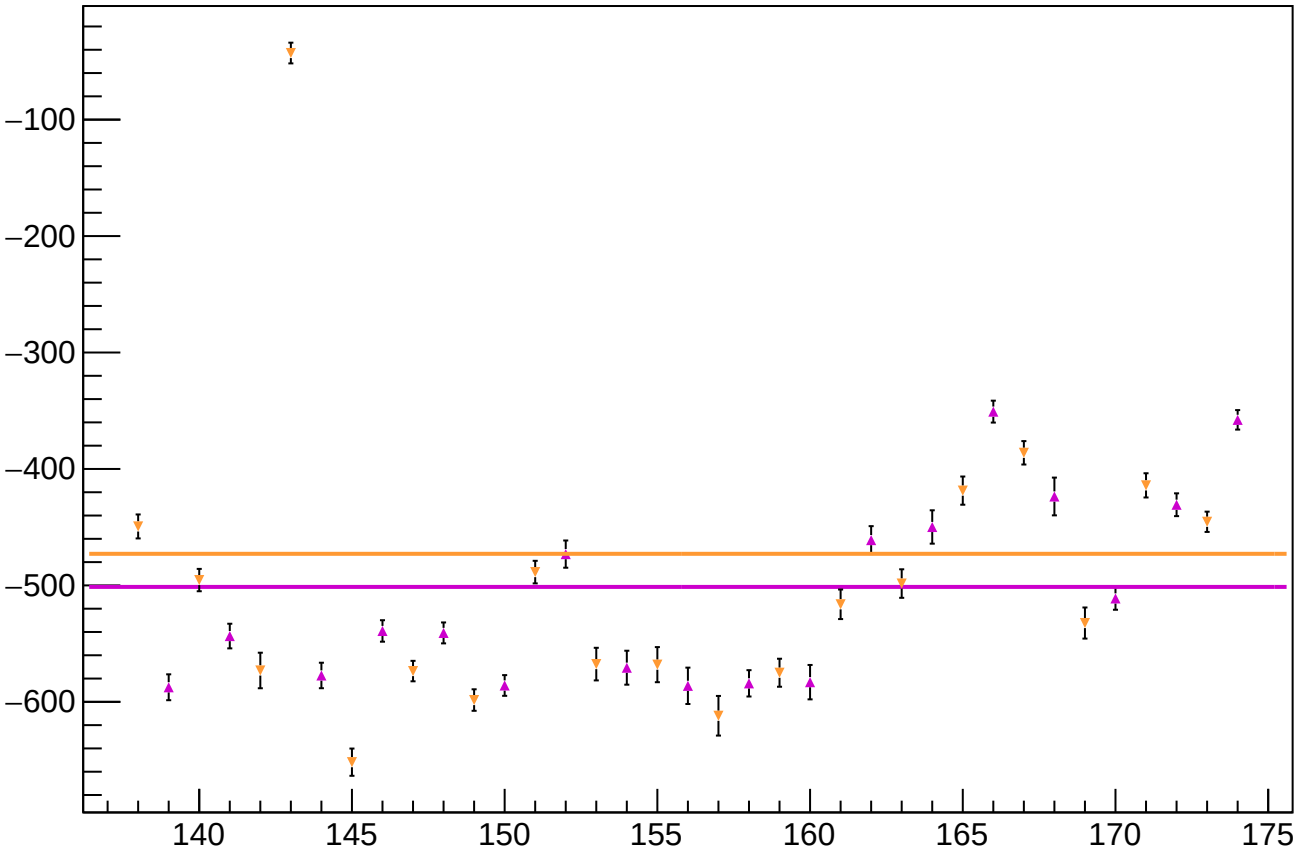
Left: -20.970+/-0.017 χ^2/NDF: 321111.3/36

Right: -10.767+/-0.043 χ^2/NDF: 1136731.7/35

In: -19.313+/-0.022 χ^2/NDF:741466.4/34

Out: -19.828+/-0.023 χ^2/NDF:765325.1/37

All: -19.566+/-0.016 χ^2/NDF: 1507054.7/72



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: -501.293+/-2.558 χ^2/NDF:1042.8/17

Left: -486.877+/-1.795 χ^2/NDF: 4444.4/36

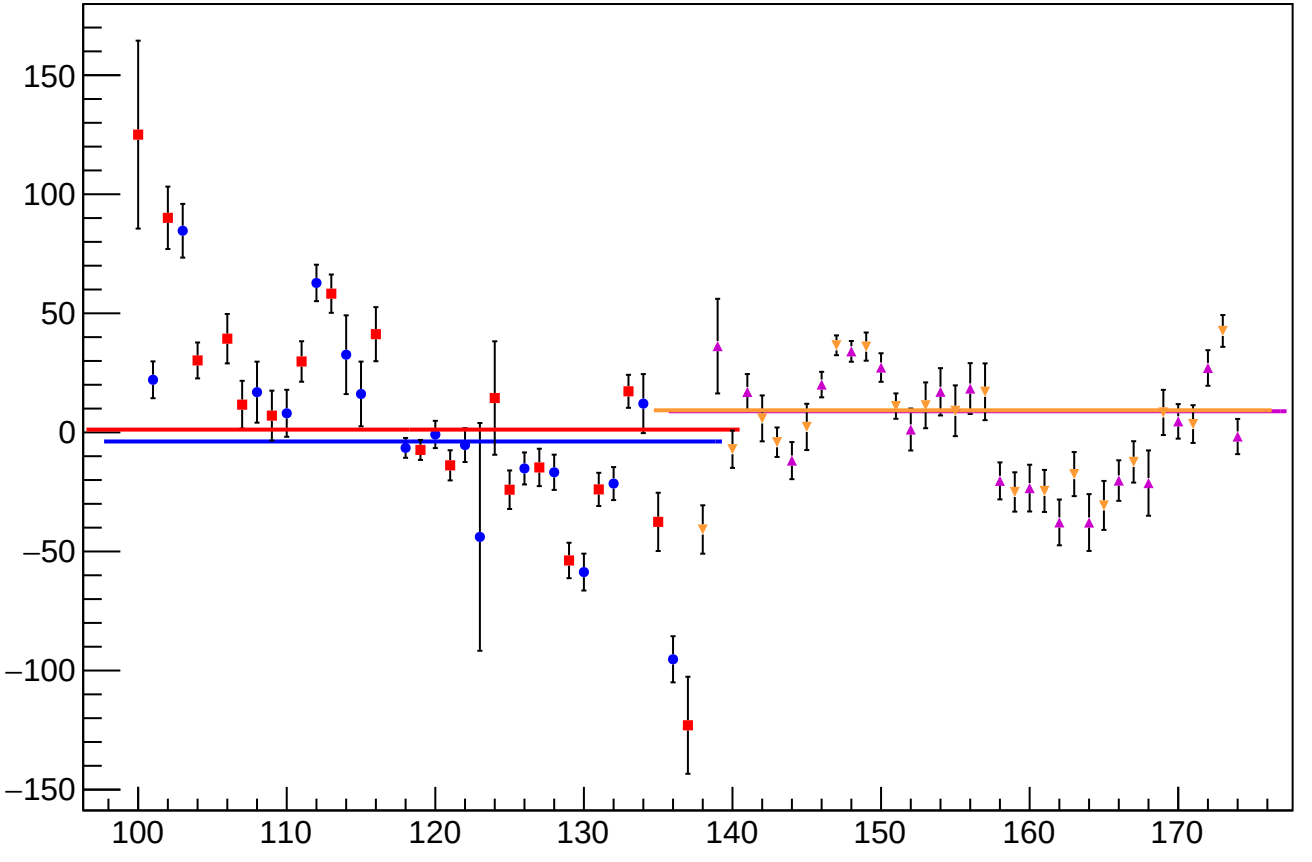
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -501.293+/-2.558 χ^2/NDF:1042.8/17

Out: -472.872+/-2.521 χ^2/NDF:3339.0/18

All: -486.877+/-1.795 χ^2/NDF: 4444.4/36

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: 8.879+/-1.817 χ^2/NDF:148.2/17

Left: 9.087+/-1.254 χ^2/NDF: 333.2/36

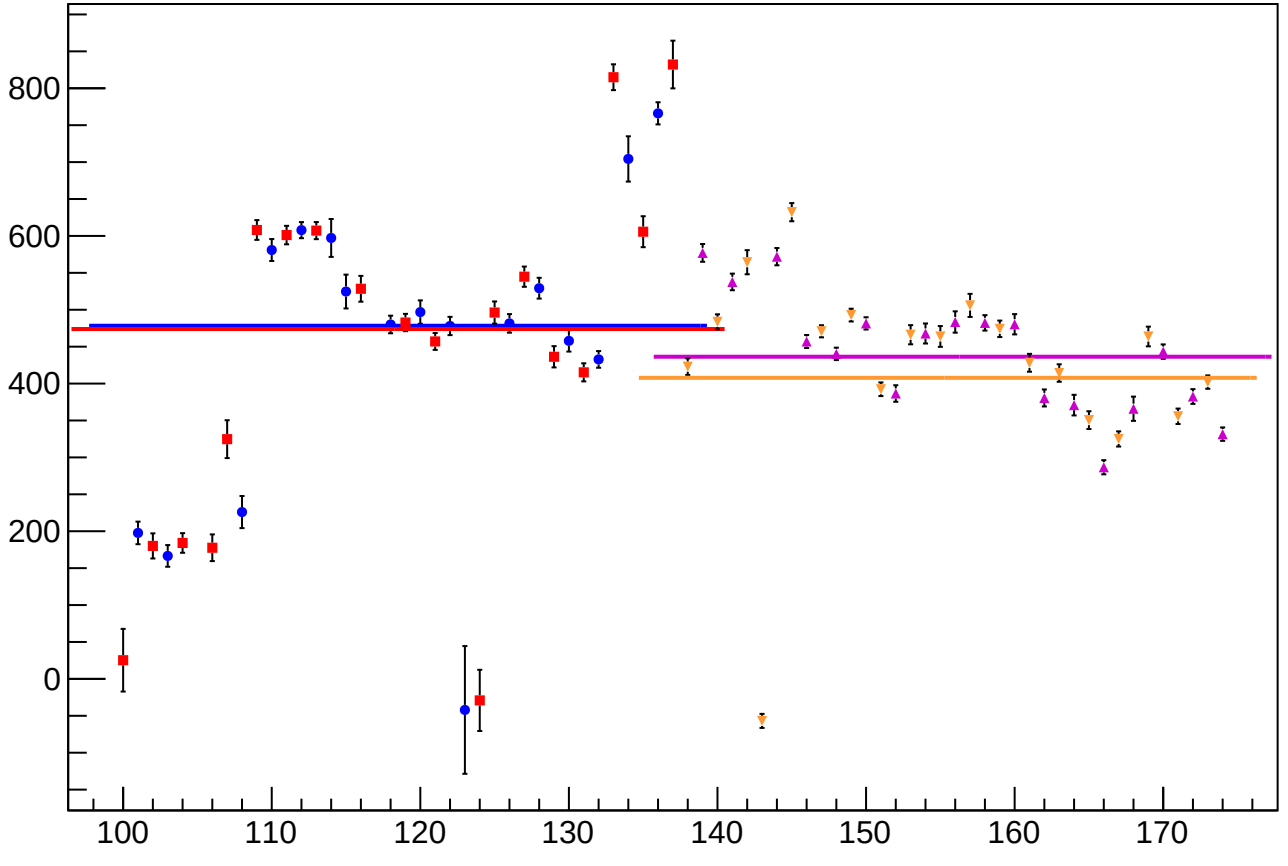
Right: -1.308+/-1.356 χ^2/NDF: 621.6/35

In: 2.891+/-1.321 χ^2/NDF:485.5/34

Out: 5.626+/-1.285 χ^2/NDF:498.7/37

All: 4.296+/-0.921 χ^2/NDF: 986.4/72

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334+/-3.662 χ^2/NDF: 1628.8/16

Left Out: 407.803+/-2.505 χ^2/NDF:3277.1/18

Right Out: 473.902+/-3.531 χ^2/NDF: 2285.0/18

Left In: 436.370+/-2.531 χ^2/NDF:922.3/17

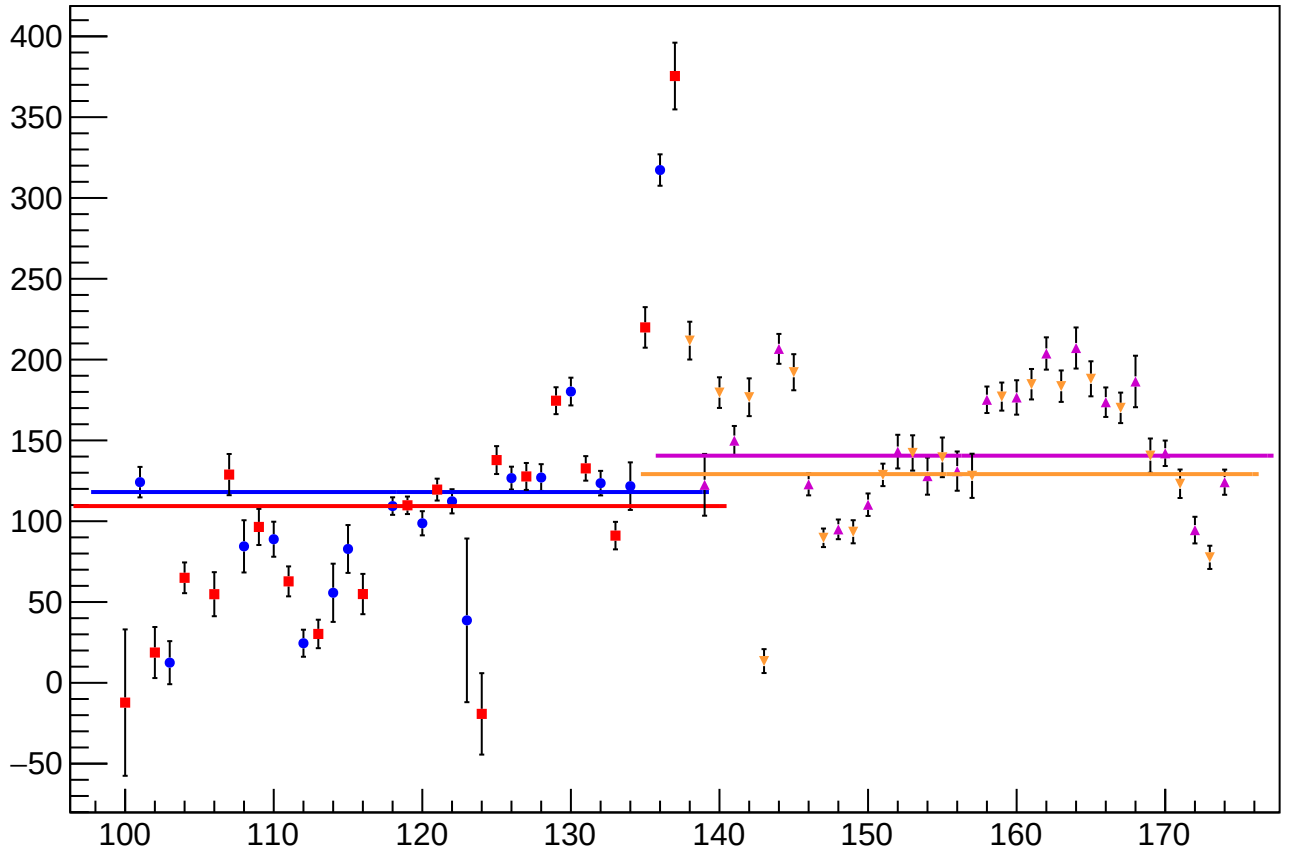
Left: 421.936+/-1.780 χ^2/NDF: 4263.8/36

Right: 476.038+/-2.542 χ^2/NDF: 3914.6/35

In: 449.938+/-2.082 χ^2/NDF:2640.0/34

Out: 429.930+/-2.043 χ^2/NDF:5795.2/37

All: 439.743+/-1.458 χ^2/NDF: 8482.3/72



Right In: 118.055+/-2.225 χ^2/NDF: 705.3/16

Left Out: 129.144+/-2.045 χ^2/NDF:643.6/18

Right Out: 109.367+/-2.205 χ^2/NDF: 569.8/18

Left In: 140.550+/-2.122 χ^2/NDF:290.5/17

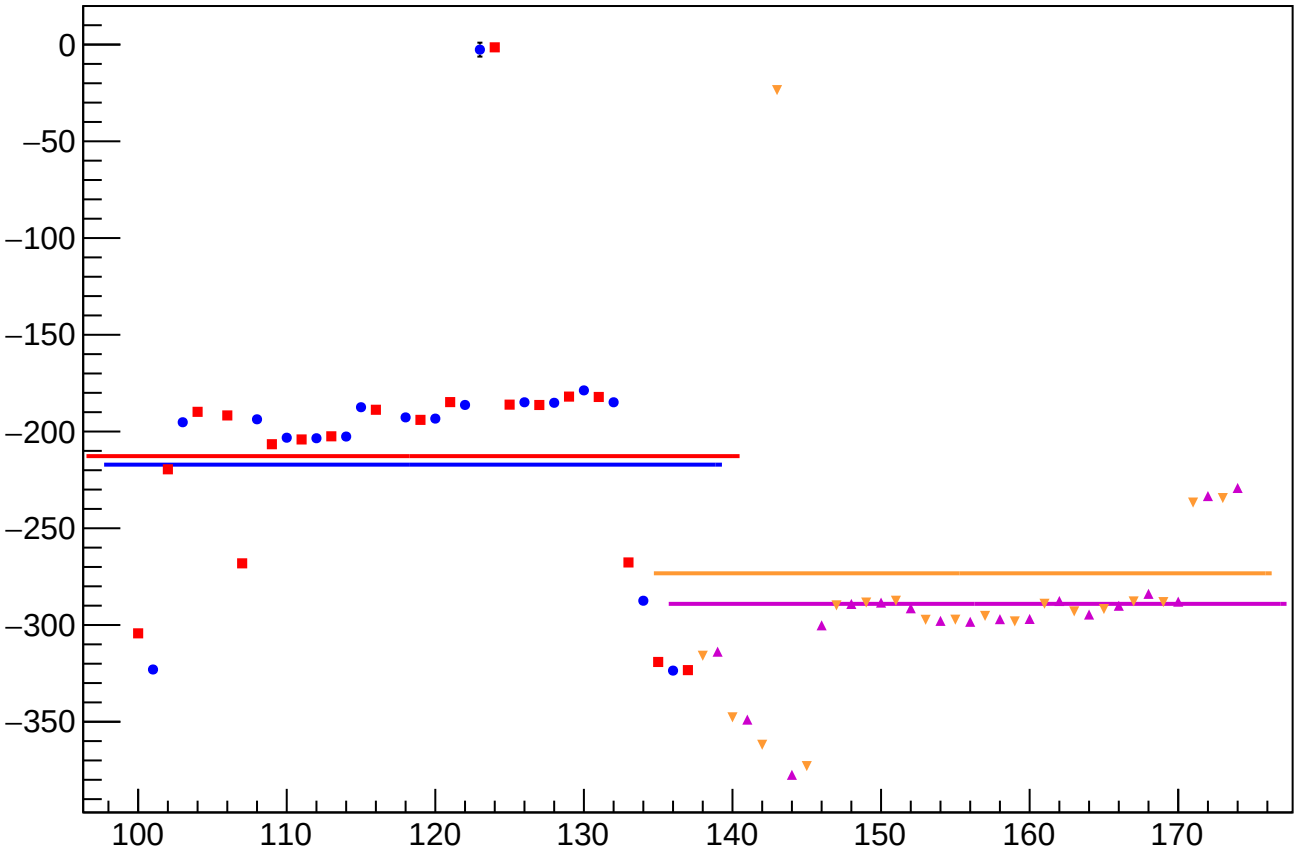
Left: 134.638+/-1.472 χ^2/NDF: 949.0/36

Right: 113.671+/-1.566 χ^2/NDF: 1282.8/35

In: 129.839+/-1.536 χ^2/NDF:1049.3/34

Out: 119.998+/-1.499 χ^2/NDF:1256.6/37

All: 124.801+/-1.073 χ^2/NDF: 2327.0/72



Right In: -217.120+/-0.137 χ^2/NDF: 146559.7/16

Left Out: -273.277+/-0.099 χ^2/NDF:574549.1/18

Right Out: -212.715+/-0.130 χ^2/NDF: 115566.2/18

Left In: -289.068+/-0.099 χ^2/NDF:110414.6/17

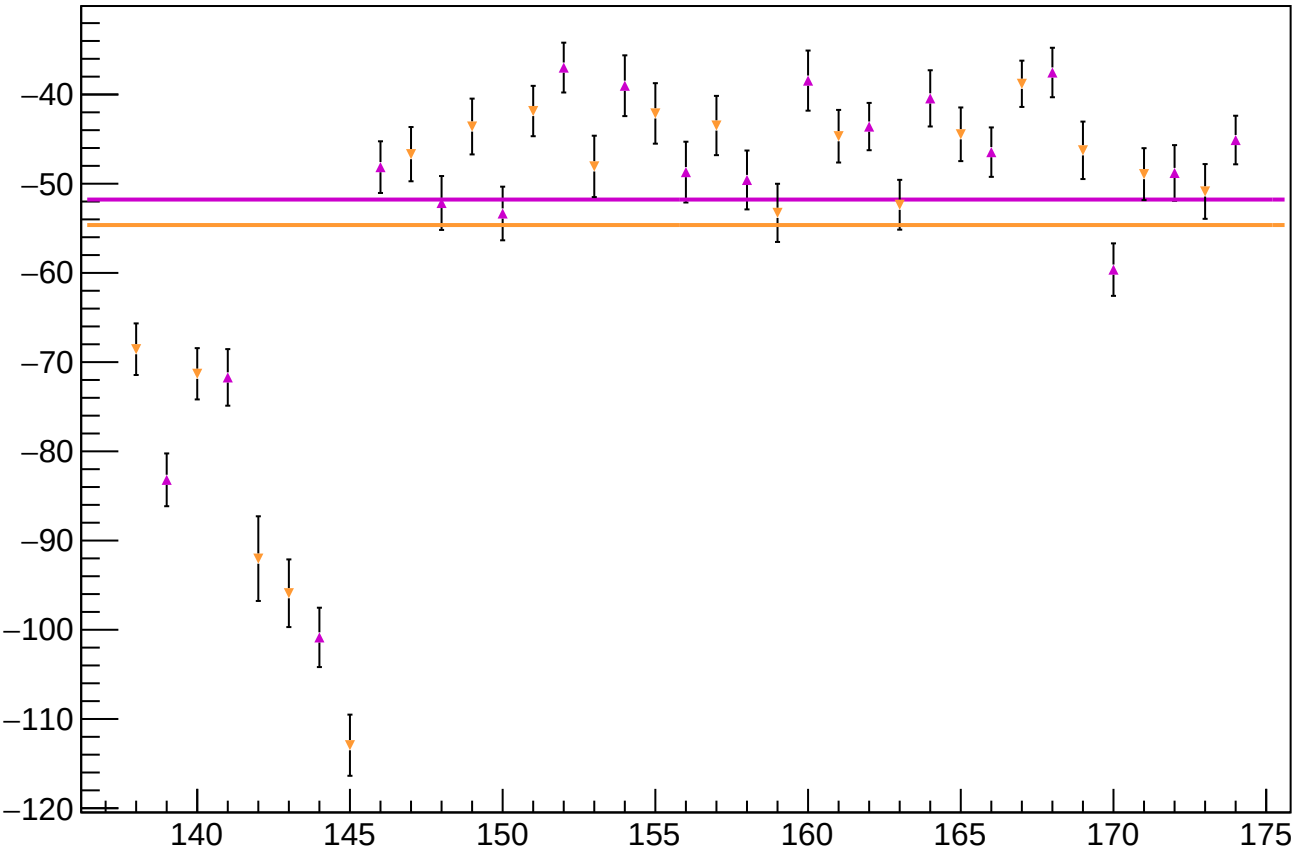
Left: -281.149+/-0.070 χ^2/NDF: 697657.1/36

Right: -214.812+/-0.094 χ^2/NDF: 262670.9/35

In: -264.202+/-0.080 χ^2/NDF:438577.2/34

Out: -251.097+/-0.079 χ^2/NDF:827286.7/37

All: -257.525+/-0.056 χ^2/NDF: 1279435.0/72



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: -51.777+/-0.711 χ^2/NDF:497.3/17

Left: -53.196+/-0.504 χ^2/NDF: 1173.3/36

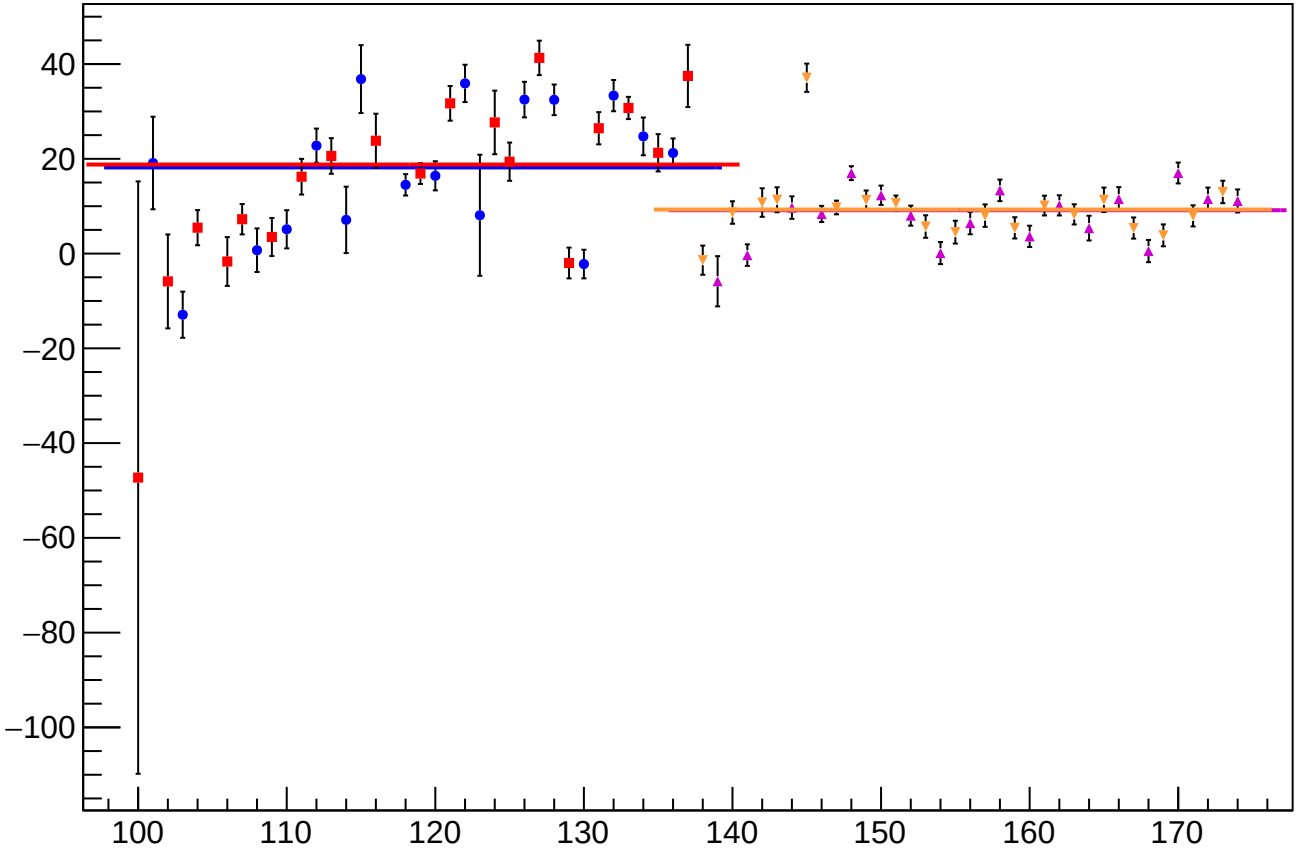
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -51.777+/-0.711 χ^2/NDF:497.3/17

Out: -54.634+/-0.715 χ^2/NDF:667.9/18

All: -53.196+/-0.504 χ^2/NDF: 1173.3/36

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188+/-0.917 χ^2/NDF: 204.9/16

Left Out: 9.294+/-0.509 χ^2/NDF:123.7/18

Right Out: 18.791+/-0.863 χ^2/NDF: 198.8/18

Left In: 9.151+/-0.521 χ^2/NDF:113.5/17

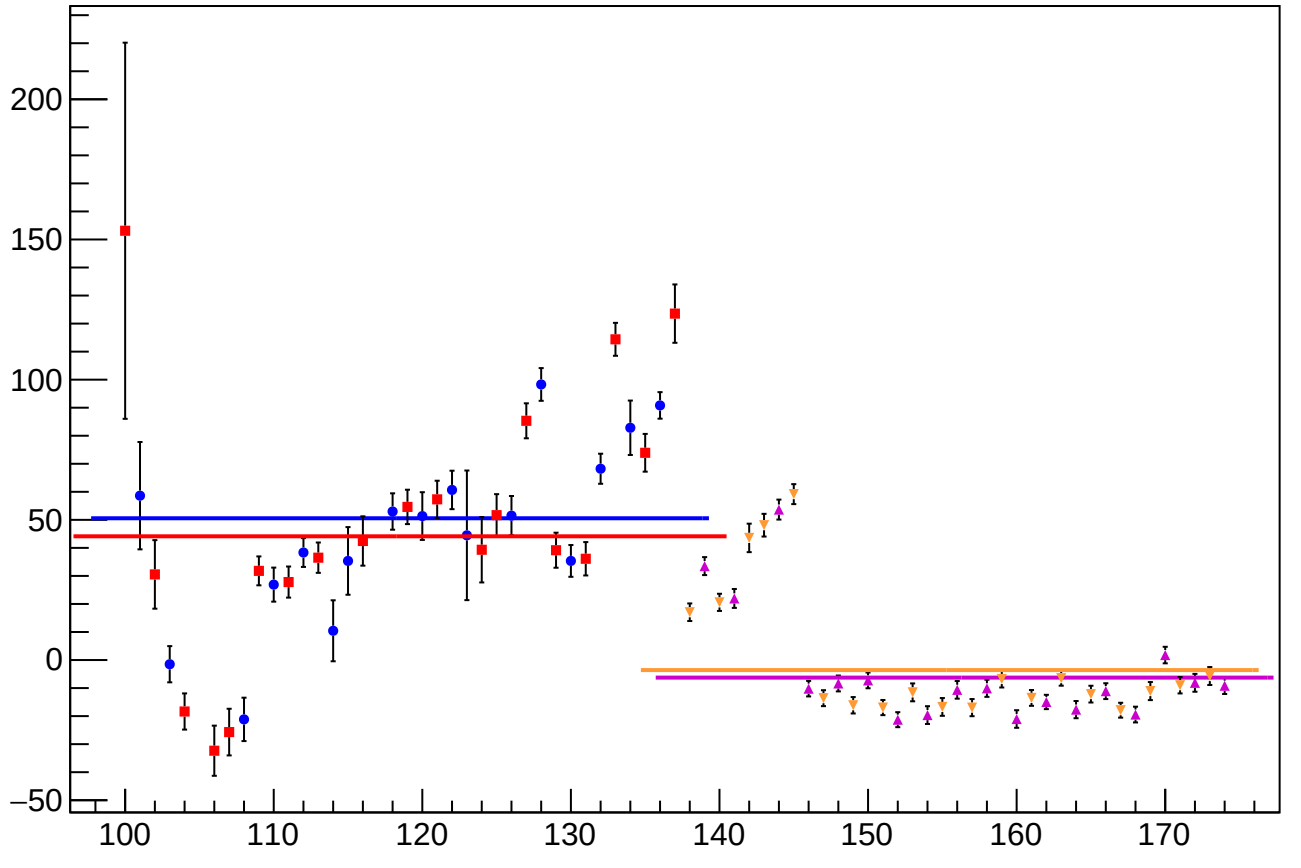
Left: 9.224+/-0.364 χ^2/NDF: 237.3/36

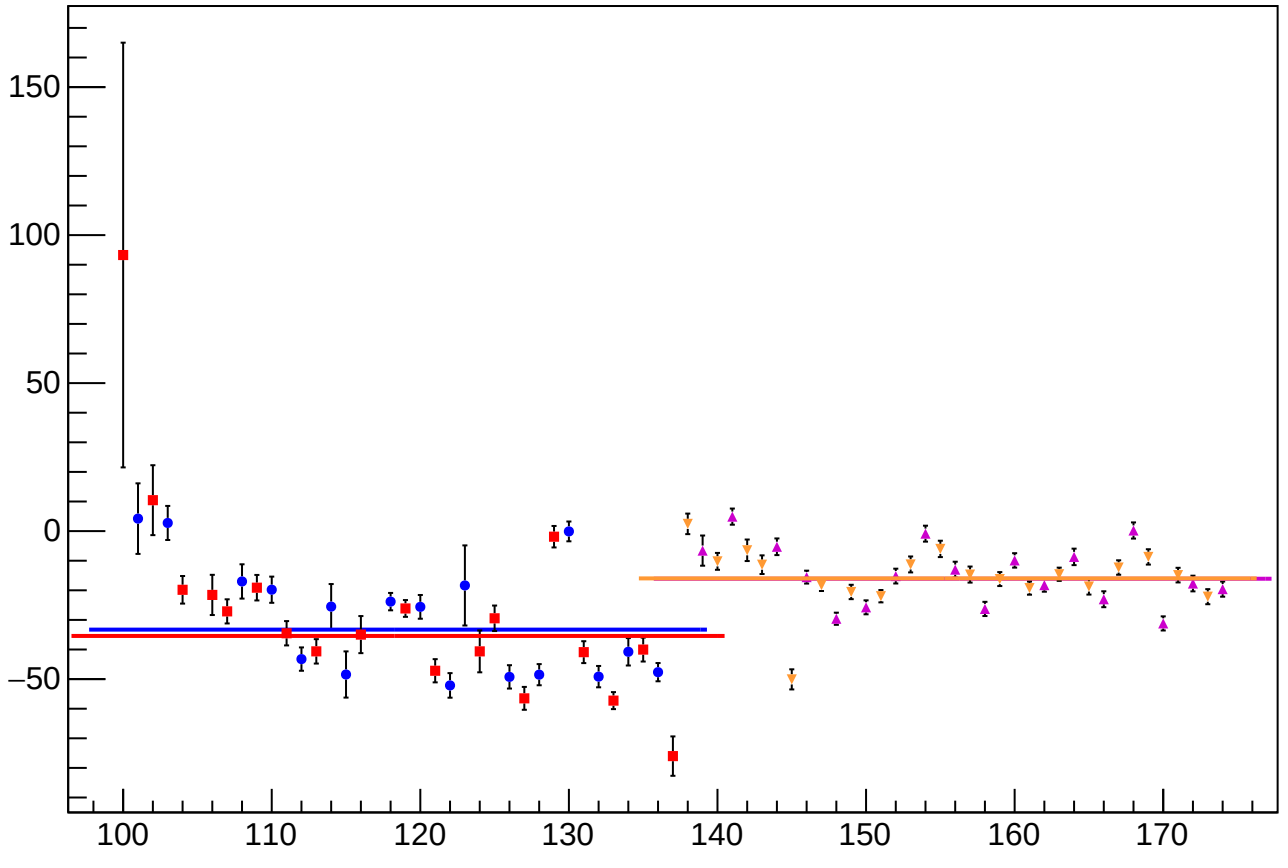
Right: 18.508+/-0.628 χ^2/NDF: 403.9/35

In: 11.355+/-0.453 χ^2/NDF:391.8/34

Out: 11.746+/-0.438 χ^2/NDF:412.4/37

All: 11.557+/-0.315 χ^2/NDF: 804.6/72


reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
100
110
120
130
140
150
160
170
Right In: 50.565+/-1.678 χ²/NDF: 357.9/16
Left Out: -3.584+/-0.706 χ²/NDF:824.4/18
Right Out: 44.132+/-1.603 χ²/NDF: 532.5/18
Left In: -6.271+/-0.701 χ²/NDF:644.4/17
Left: -4.936+/-0.497 χ²/NDF: 1476.2/36
Right: 47.201+/-1.159 χ²/NDF: 898.2/35
In: 2.178+/-0.647 χ²/NDF:1979.6/34
Out: 4.168+/-0.646 χ²/NDF:2099.6/37
All: 3.174+/-0.457 χ²/NDF: 4083.9/72



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: -16.090+/-0.600 χ^2/NDF:287.9/17

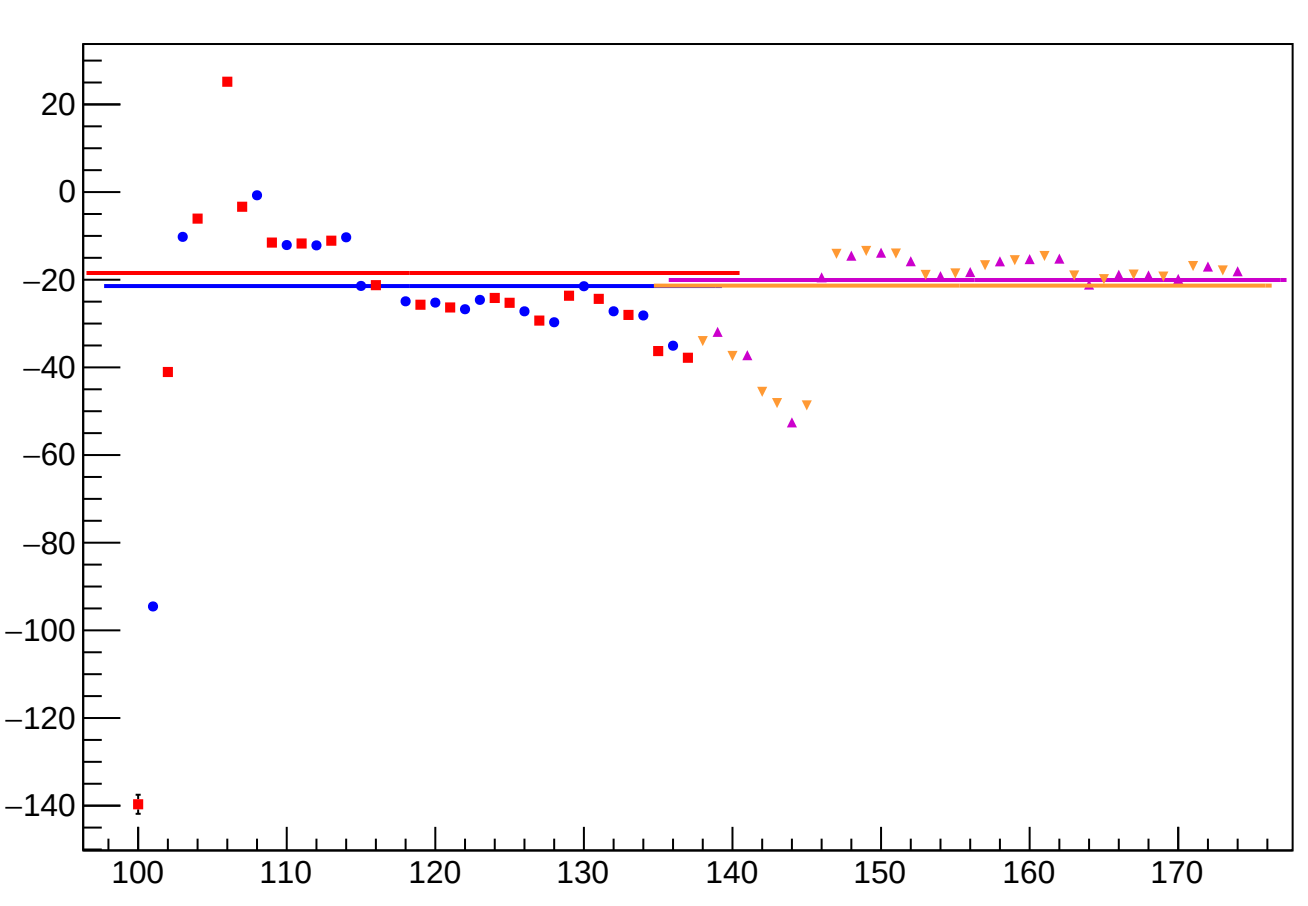
Left: -16.033+/-0.420 χ^2/NDF: 479.3/36

Right: -34.404+/-0.719 χ^2/NDF: 582.0/35

In: -20.357+/-0.520 χ^2/NDF:782.1/34

Out: -21.057+/-0.507 χ^2/NDF:765.1/37

All: -20.716+/-0.363 χ^2/NDF: 1548.1/72



Right In: -21.442+/-0.059 χ^2/NDF: 48968.5/16

Left Out: -21.342+/-0.027 χ^2/NDF:129660.6/18

Right Out: -18.463+/-0.057 χ^2/NDF: 80470.6/18

Left In: -20.060+/-0.027 χ^2/NDF:84328.7/17

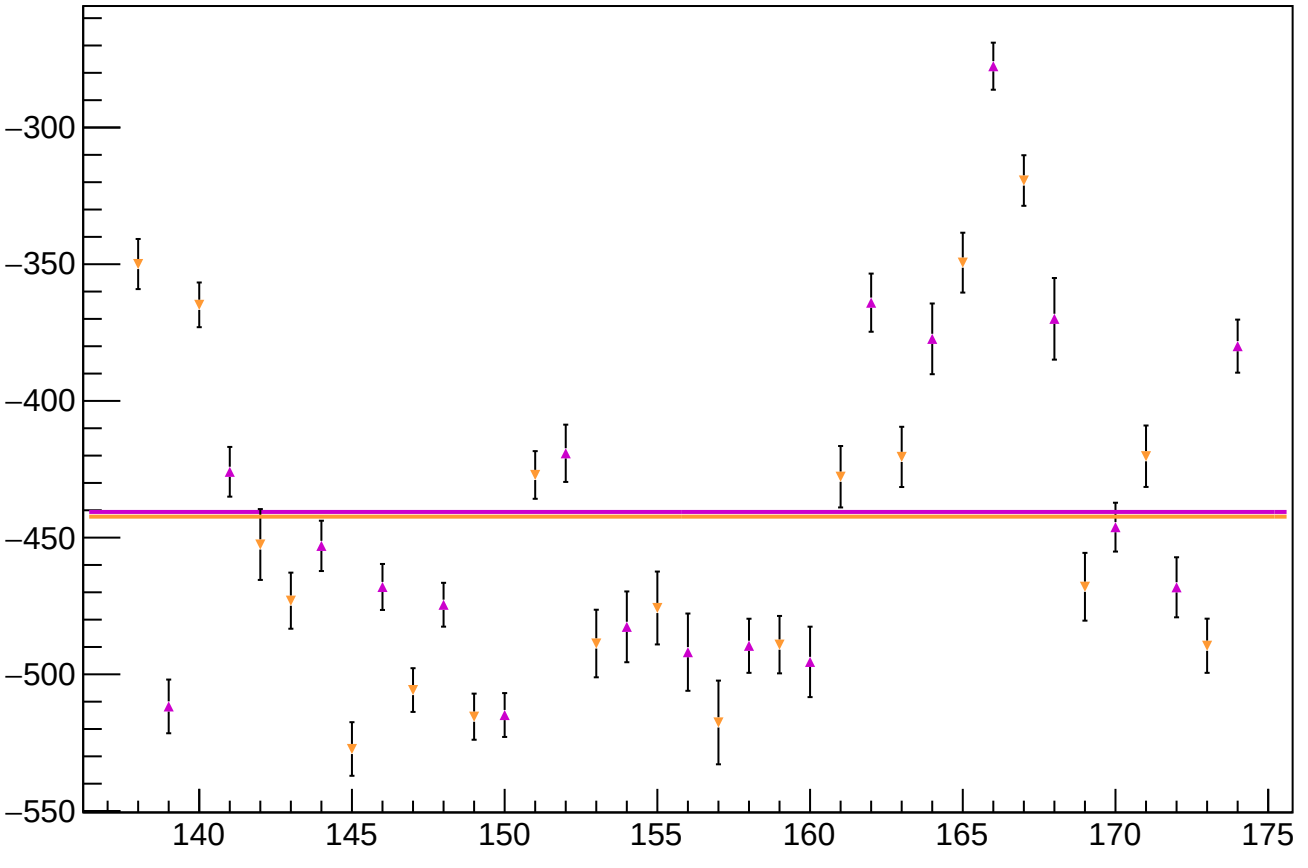
Left: -20.696+/-0.019 χ^2/NDF: 215095.7/36

Right: -19.914+/-0.041 χ^2/NDF: 130751.2/35

In: -20.302+/-0.025 χ^2/NDF:133751.1/34

Out: -20.809+/-0.025 χ^2/NDF:212181.9/37

All: -20.555+/-0.017 χ^2/NDF: 346144.0/72



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: -440.606+/-2.357 χ^2/NDF:744.4/17

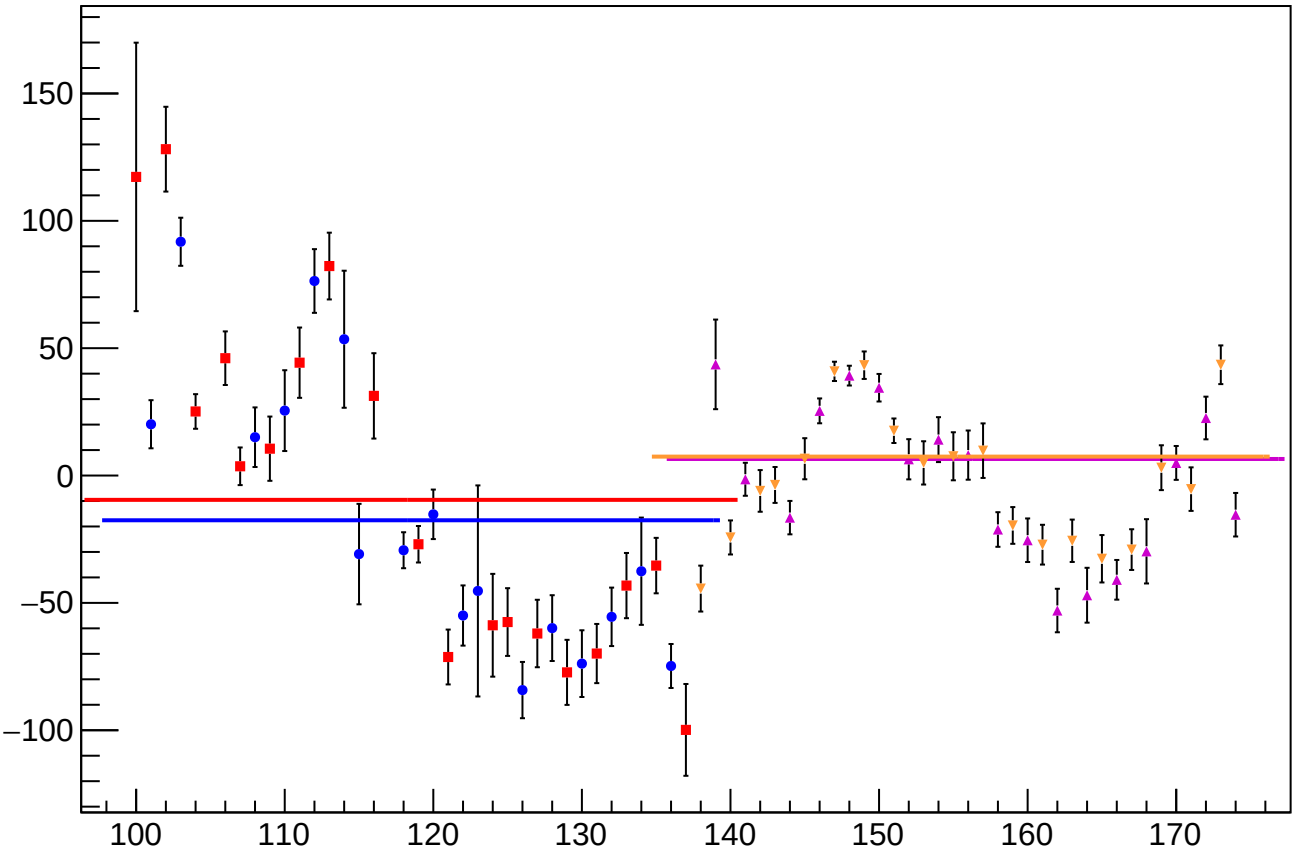
Left: -441.474+/-1.662 χ^2/NDF: 1511.6/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -440.606+/-2.357 χ^2/NDF:744.4/17

Out: -442.332+/-2.345 χ^2/NDF:766.9/18

All: -441.474+/-1.662 χ^2/NDF: 1511.6/36



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: 6.502+/-1.659 χ^2/NDF:291.2/17

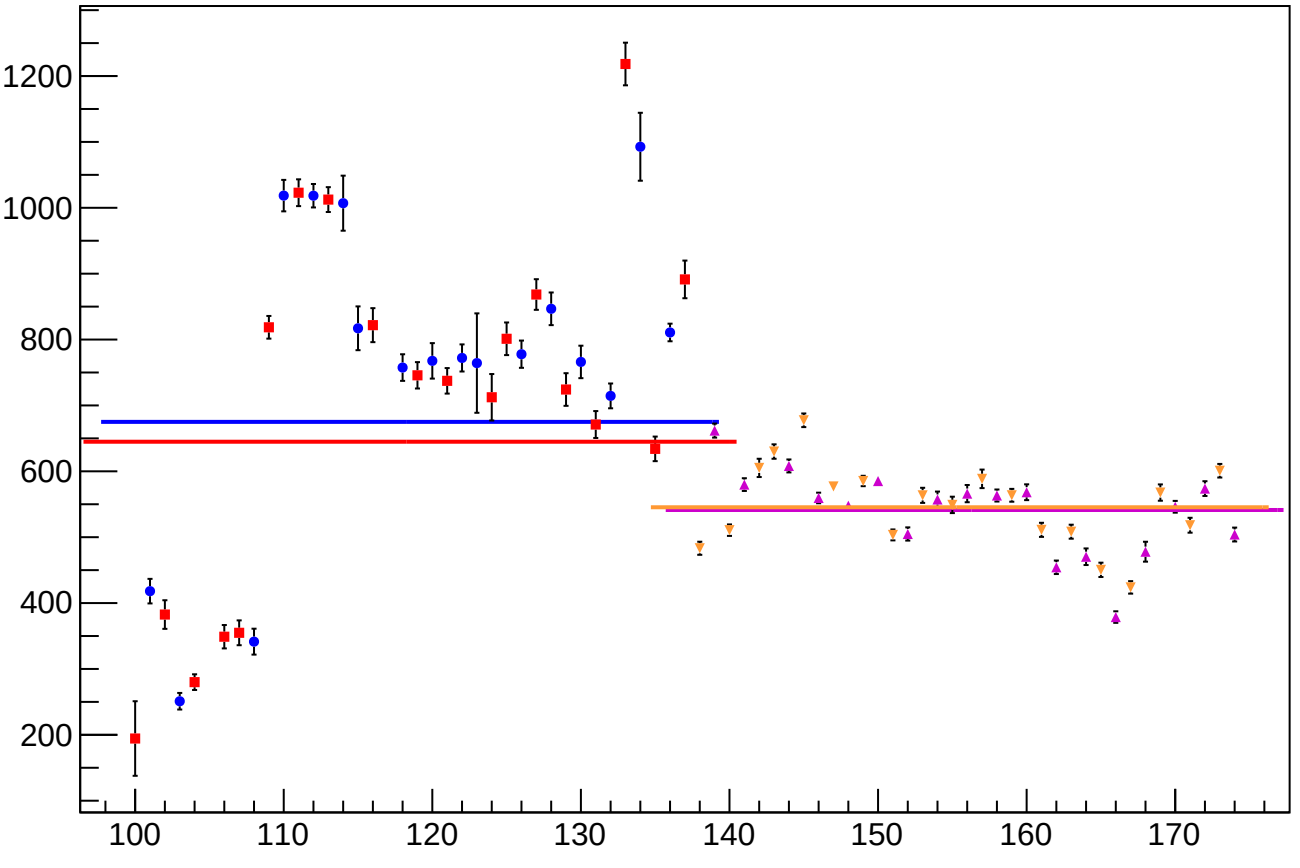
Left: 6.981+/-1.154 χ^2/NDF: 592.9/36

Right: -13.243+/-1.915 χ^2/NDF: 738.4/35

In: 0.317+/-1.430 χ^2/NDF:709.0/34

Out: 2.761+/-1.368 χ^2/NDF:702.5/37

All: 1.593+/-0.988 χ^2/NDF: 1413.1/72



Right In: 675.045+/-5.067 χ^2/NDF: 2584.3/16

Left Out: 545.416+/-2.323 χ^2/NDF:682.3/18

Right Out: 644.915+/-4.761 χ^2/NDF: 3122.2/18

Left In: 541.293+/-2.324 χ^2/NDF:746.2/17

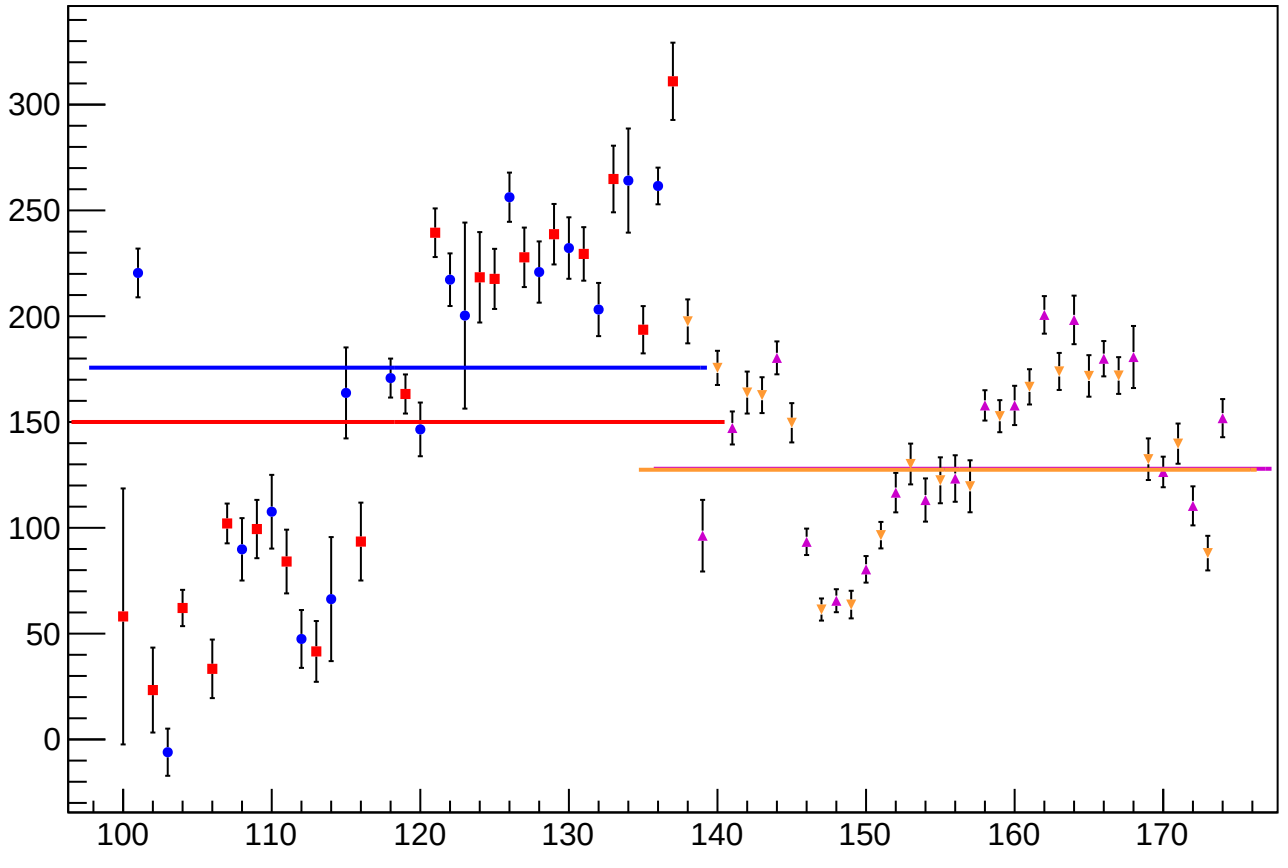
Left: 543.356+/-1.643 χ^2/NDF: 1430.1/36

Right: 659.042+/-3.470 χ^2/NDF: 5725.3/35

In: 564.540+/-2.113 χ^2/NDF:3906.2/34

Out: 564.548+/-2.088 χ^2/NDF:4157.2/37

All: 564.544+/-1.485 χ^2/NDF: 8063.3/72



Right In: 175.686+/-3.239 χ^2/NDF: 637.9/16

Left Out: 127.446+/-1.901 χ^2/NDF:531.2/18

Right Out: 150.017+/-3.042 χ^2/NDF: 693.8/18

Left In: 127.908+/-1.945 χ^2/NDF:473.3/17

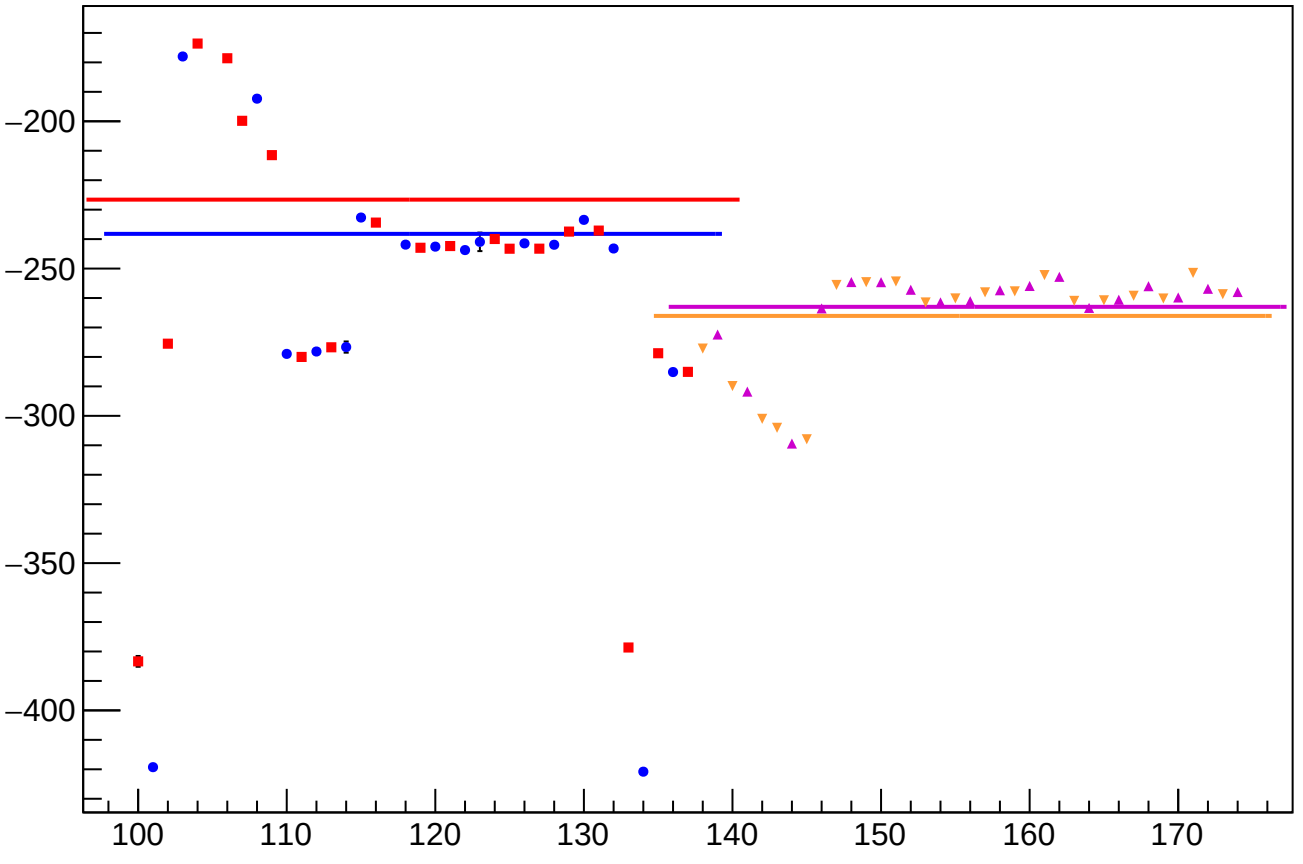
Left: 127.671+/-1.360 χ^2/NDF: 1004.5/36

Right: 162.048+/-2.217 χ^2/NDF: 1365.0/35

In: 140.574+/-1.668 χ^2/NDF:1271.2/34

Out: 133.785+/-1.612 χ^2/NDF:1264.5/37

All: 137.065+/-1.159 χ^2/NDF: 2544.3/72



Right In: -238.217+/-0.160 χ^2/NDF: 167120.0/16

Left Out: -266.072+/-0.092 χ^2/NDF:34538.0/18

Right Out: -226.597+/-0.151 χ^2/NDF: 102562.3/18

Left In: -262.991+/-0.092 χ^2/NDF:21173.6/17

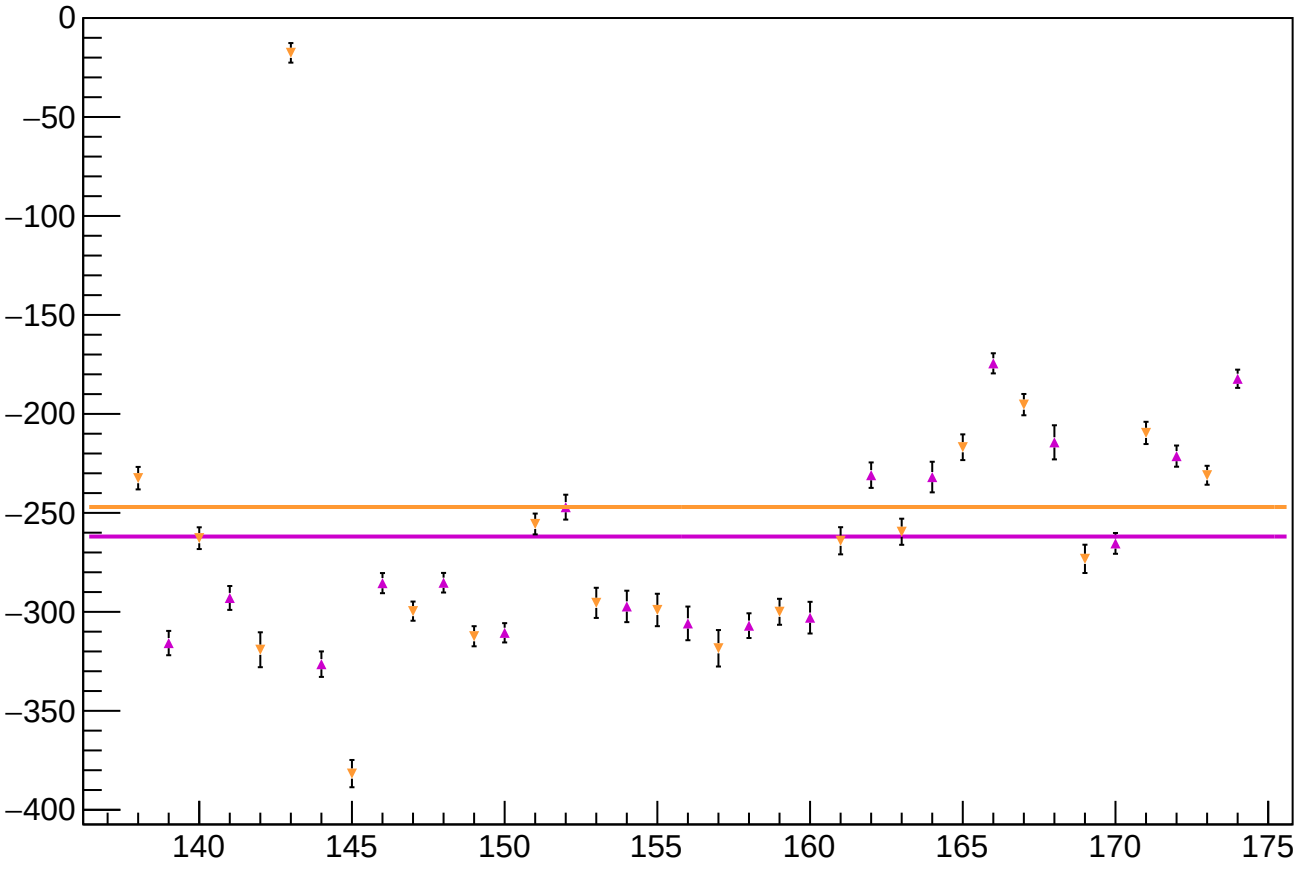
Left: -264.521+/-0.065 χ^2/NDF: 56273.5/36

Right: -232.063+/-0.110 χ^2/NDF: 272459.7/35

In: -256.902+/-0.080 χ^2/NDF:206272.7/34

Out: -255.373+/-0.079 χ^2/NDF:186768.9/37

All: -256.129+/-0.056 χ^2/NDF: 393228.2/72



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: -261.947+/-1.404 χ^2/NDF:1199.0/17

Left: -254.384+/-0.986 χ^2/NDF: 4555.8/36

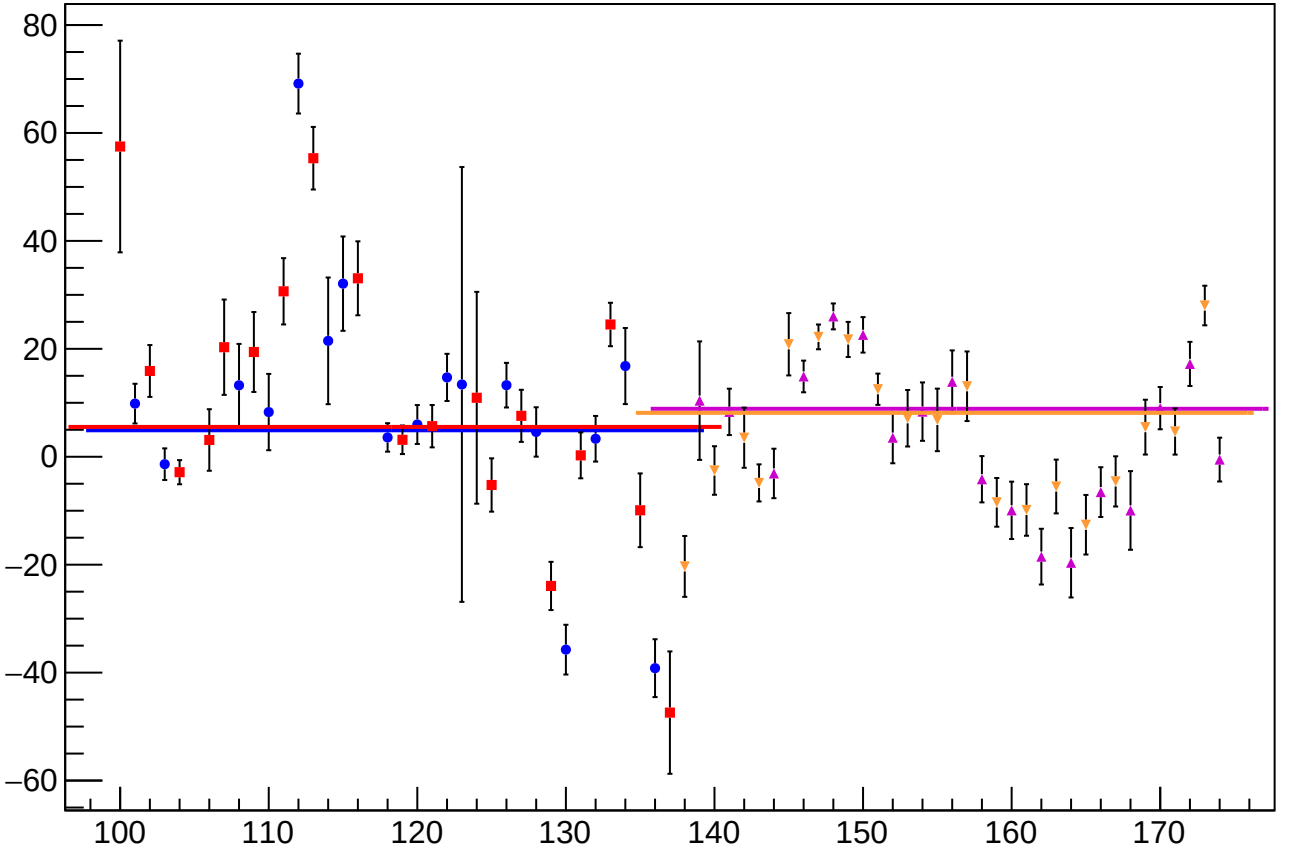
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -261.947+/-1.404 χ^2/NDF:1199.0/17

Out: -247.024+/-1.385 χ^2/NDF:3299.6/18

All: -254.384+/-0.986 χ^2/NDF: 4555.8/36

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905+/-1.105 χ^2/NDF: 311.7/16

Left Out: 8.136+/-0.953 χ^2/NDF:196.0/18

Right Out: 5.530+/-1.069 χ^2/NDF: 238.9/18

Left In: 8.889+/-0.998 χ^2/NDF:178.3/17

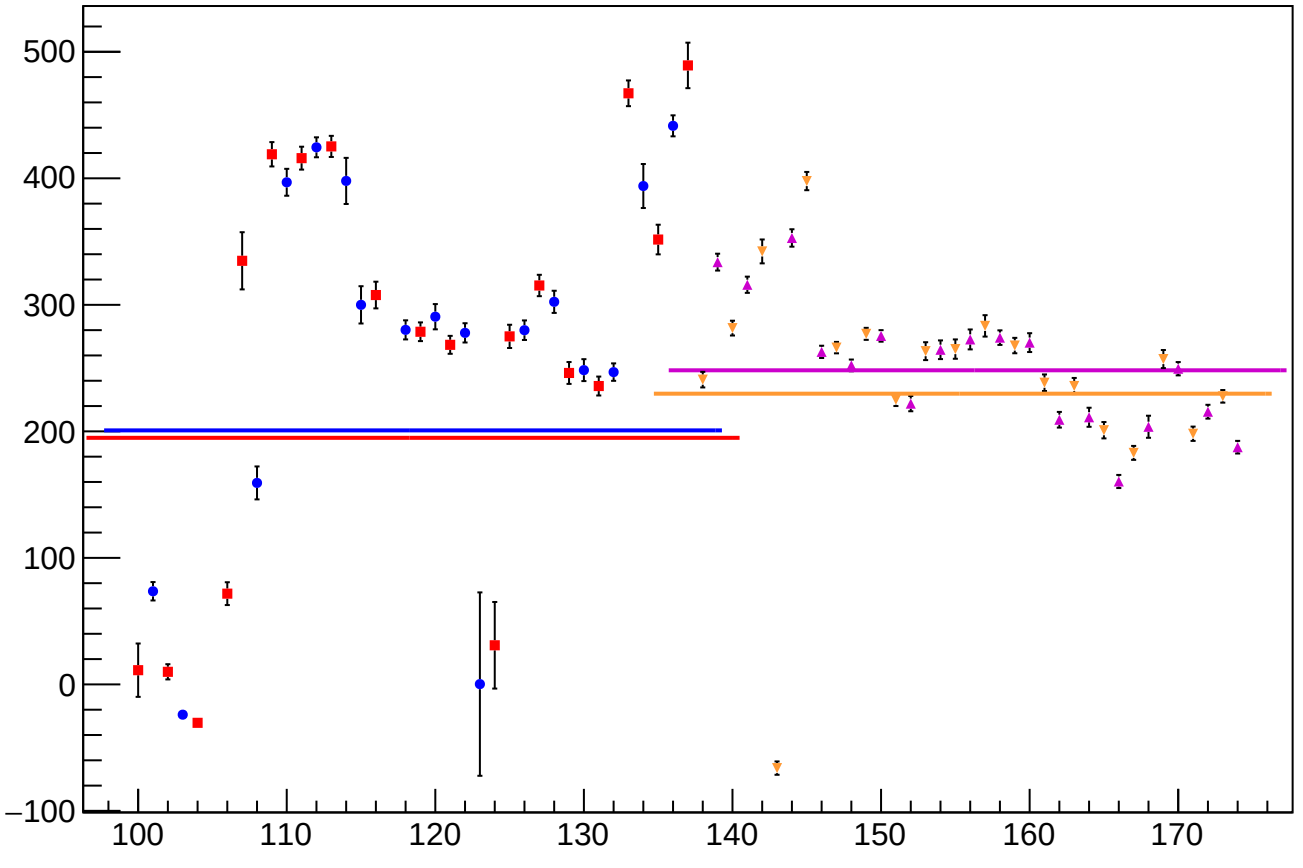
Left: 8.495+/-0.689 χ^2/NDF: 374.6/36

Right: 5.228+/-0.768 χ^2/NDF: 550.7/35

In: 7.099+/-0.741 χ^2/NDF:497.1/34

Out: 6.981+/-0.711 χ^2/NDF:438.2/37

All: 7.038+/-0.513 χ^2/NDF: 935.3/72



Right In: 200.773+/-1.983 χ^2/NDF: 6733.0/16

Left Out: 229.777+/-1.375 χ^2/NDF:4335.0/18

Right Out: 194.892+/-1.924 χ^2/NDF: 8247.1/18

Left In: 248.260+/-1.389 χ^2/NDF:1175.6/17

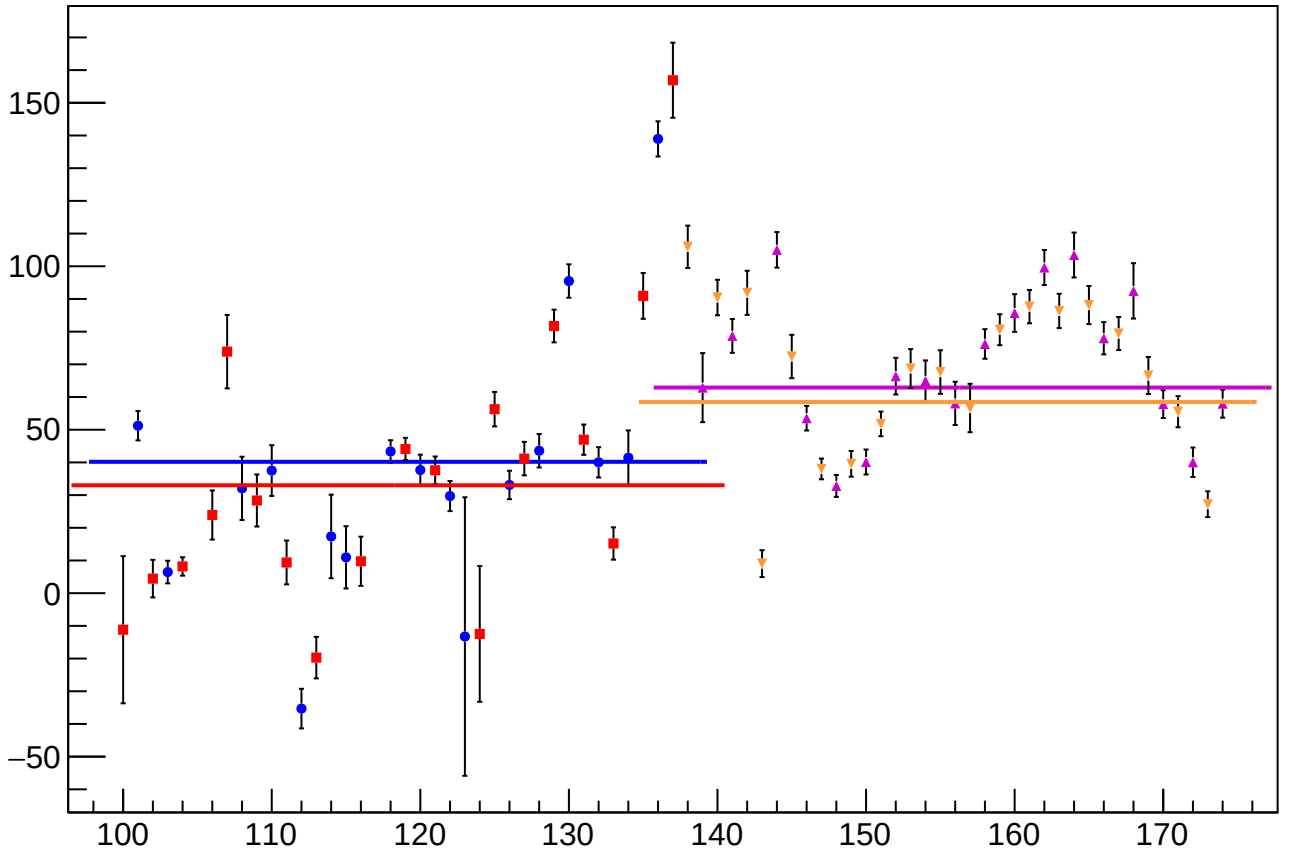
Left: 238.927+/-0.977 χ^2/NDF: 5600.1/36

Right: 197.743+/-1.381 χ^2/NDF: 14984.6/35

In: 232.639+/-1.137 χ^2/NDF:8293.3/34

Out: 217.984+/-1.119 χ^2/NDF:12799.8/37

All: 225.189+/-0.798 χ^2/NDF: 21177.6/72



Right In: 40.185+/-1.283 χ^2/NDF: 734.6/16

Left Out: 58.475+/-1.123 χ^2/NDF:526.0/18

Right Out: 33.006+/-1.250 χ^2/NDF: 552.7/18

Left In: 62.899+/-1.165 χ^2/NDF:348.6/17

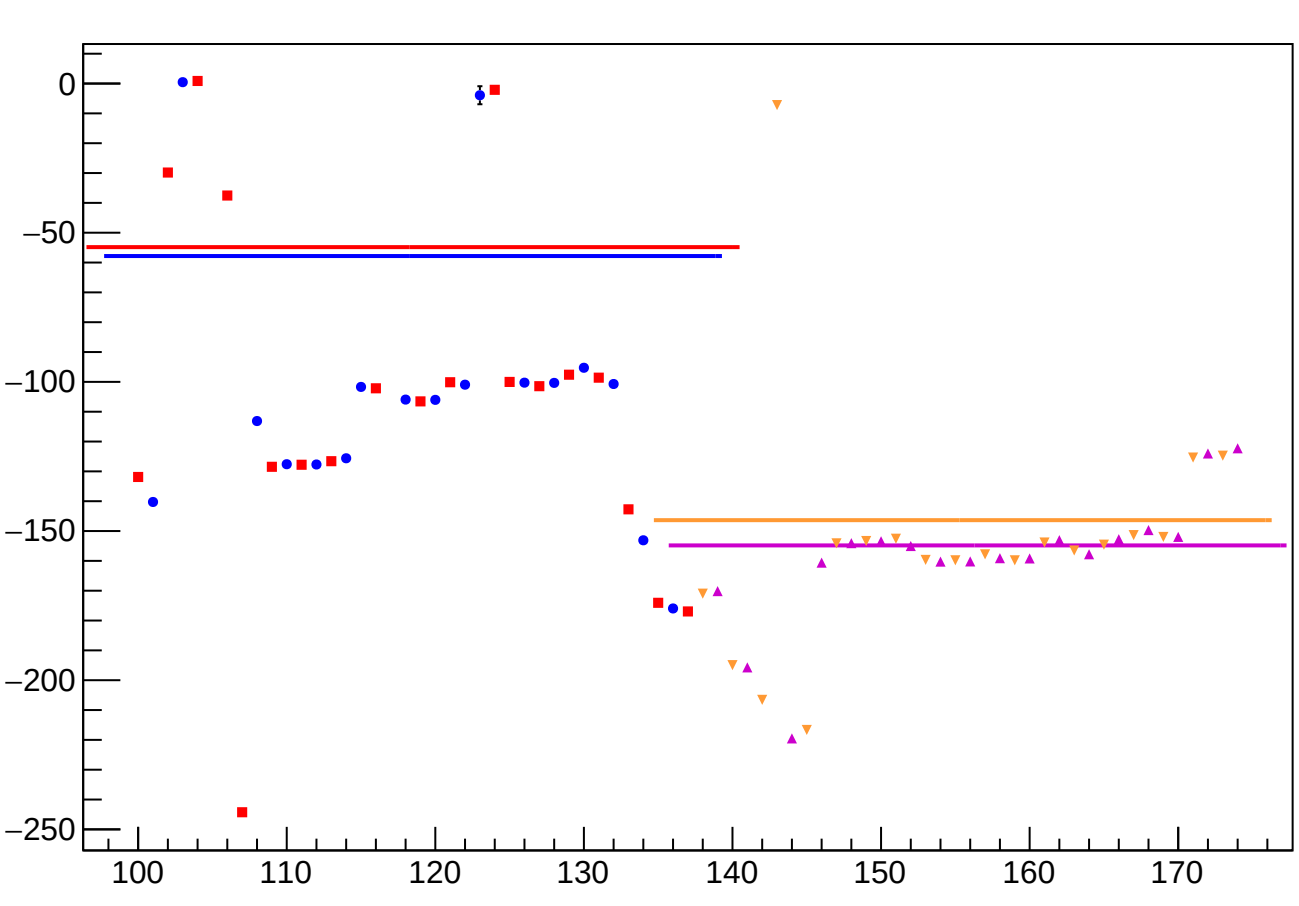
Left: 60.606+/-0.808 χ^2/NDF: 882.0/36

Right: 36.503+/-0.896 χ^2/NDF: 1303.3/35

In: 52.639+/-0.862 χ^2/NDF:1255.0/34

Out: 47.103+/-0.835 χ^2/NDF:1308.3/37

All: 49.783+/-0.600 χ^2/NDF: 2584.6/72



Right In: -57.821+/-0.062 χ^2/NDF: 1101296.2/16

Left Out: -146.355+/-0.054 χ^2/NDF:610213.7/18

Right Out: -54.833+/-0.060 χ^2/NDF: 1000741.7/18

Left In: -154.817+/-0.054 χ^2/NDF:135612.1/17

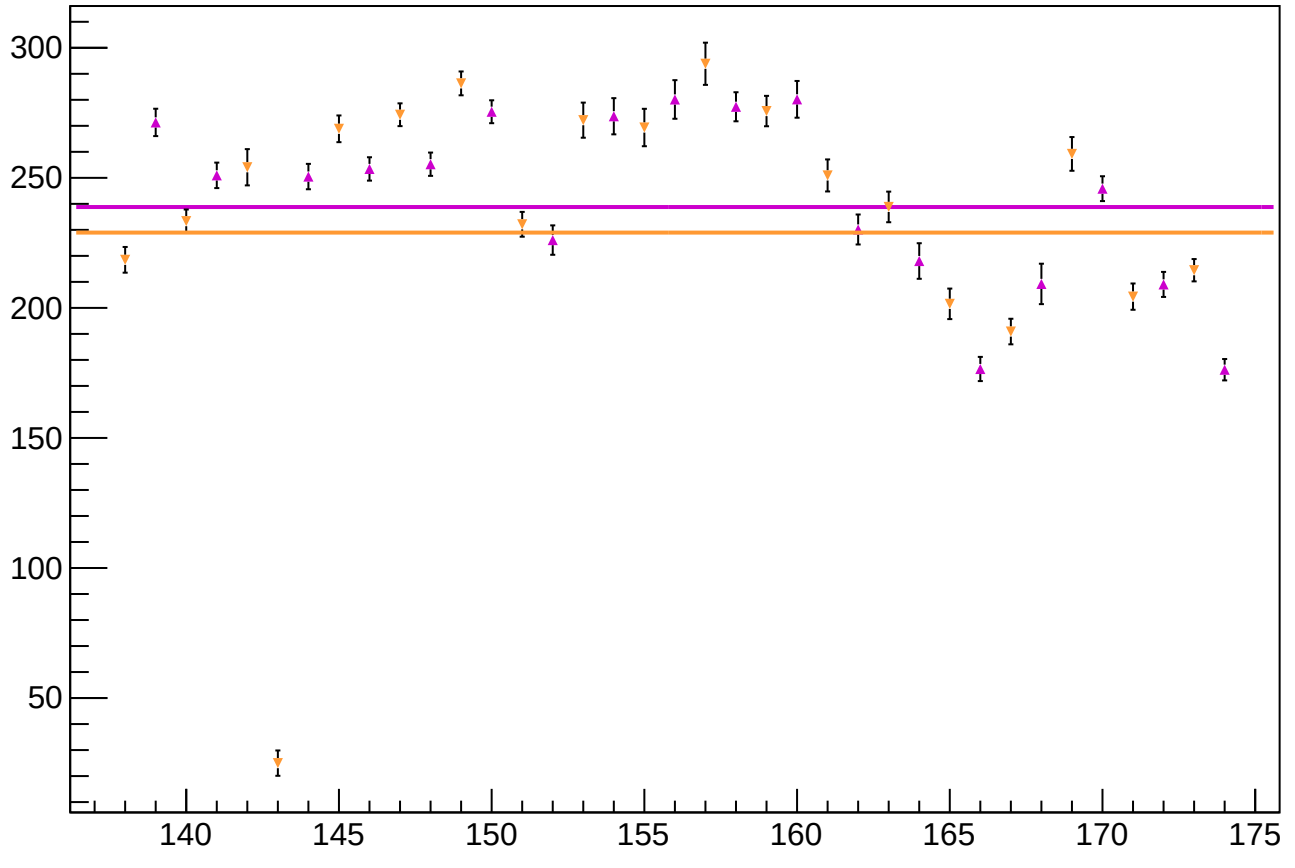
Left: -150.575+/-0.038 χ^2/NDF: 757960.0/36

Right: -56.289+/-0.043 χ^2/NDF: 2103236.7/35

In: -112.474+/-0.041 χ^2/NDF:2625431.8/34

Out: -105.367+/-0.040 χ^2/NDF:2885787.5/37

All: -108.875+/-0.029 χ^2/NDF: 5526563.2/72



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: 238.783+/-1.237 χ^2/NDF:764.1/17

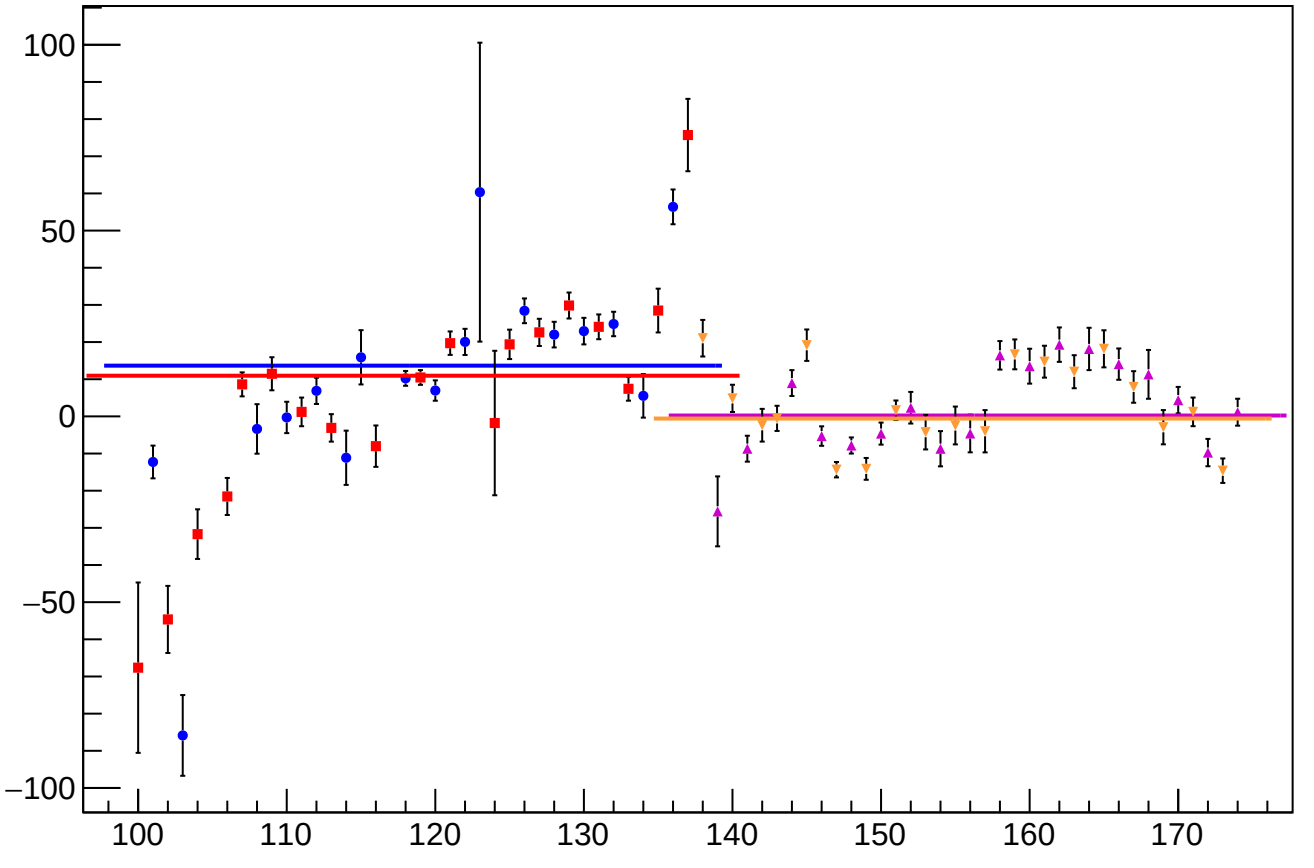
Left: 233.830+/-0.871 χ^2/NDF: 3247.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 238.783+/-1.237 χ^2/NDF:764.1/17

Out: 228.955+/-1.227 χ^2/NDF:2451.7/18

All: 233.830+/-0.871 χ^2/NDF: 3247.7/36



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: 0.232+/-0.882 χ^2/NDF:121.0/17

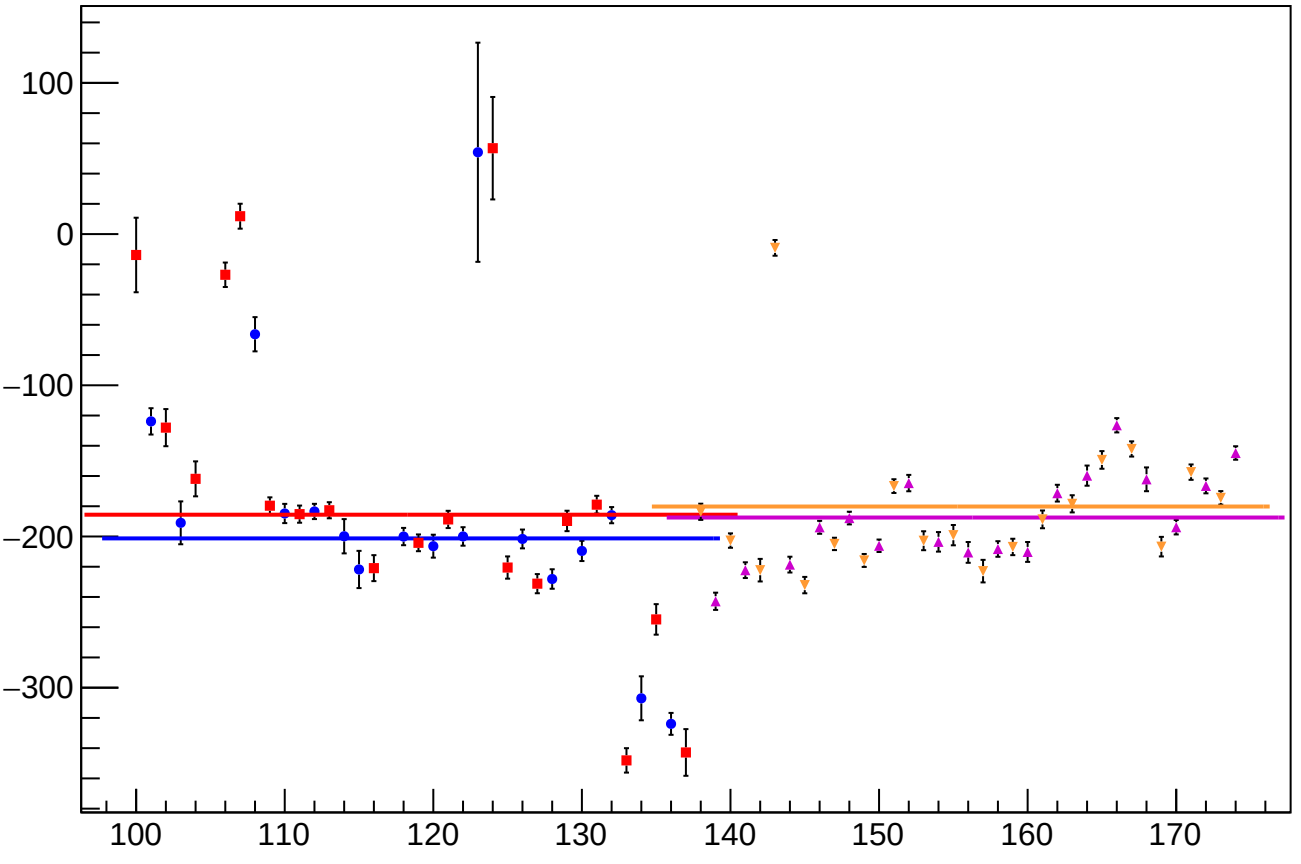
Left: -0.191+/-0.612 χ^2/NDF: 307.9/36

Right: 12.264+/-0.654 χ^2/NDF: 600.9/35

In: 6.545+/-0.642 χ^2/NDF:523.9/34

Out: 4.761+/-0.622 χ^2/NDF:574.5/37

All: 5.624+/-0.447 χ^2/NDF: 1102.3/72



Right In: -201.266+/-1.795 χ^2/NDF: 623.4/16

Left Out: -180.181+/-1.220 χ^2/NDF:1547.7/18

Right Out: -185.593+/-1.699 χ^2/NDF: 1746.0/18

Left In: -187.461+/-1.226 χ^2/NDF:574.4/17

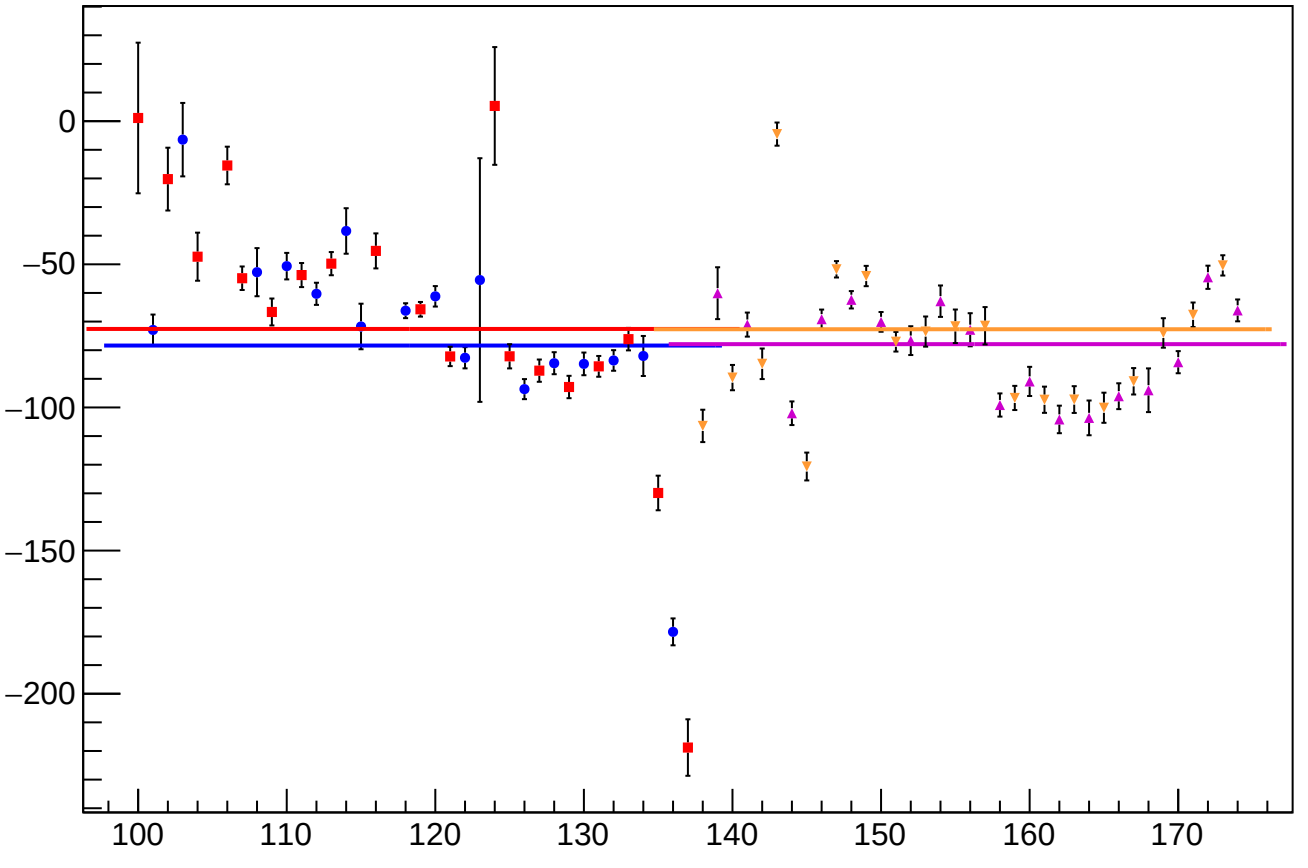
Left: -183.804+/-0.865 χ^2/NDF: 2139.9/36

Right: -192.999+/-1.234 χ^2/NDF: 2409.6/35

In: -191.851+/-1.012 χ^2/NDF:1238.2/34

Out: -182.022+/-0.991 χ^2/NDF:3300.4/37

All: -186.832+/-0.708 χ^2/NDF: 4586.7/72



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: -77.889+/-1.029 χ^2/NDF:234.9/17

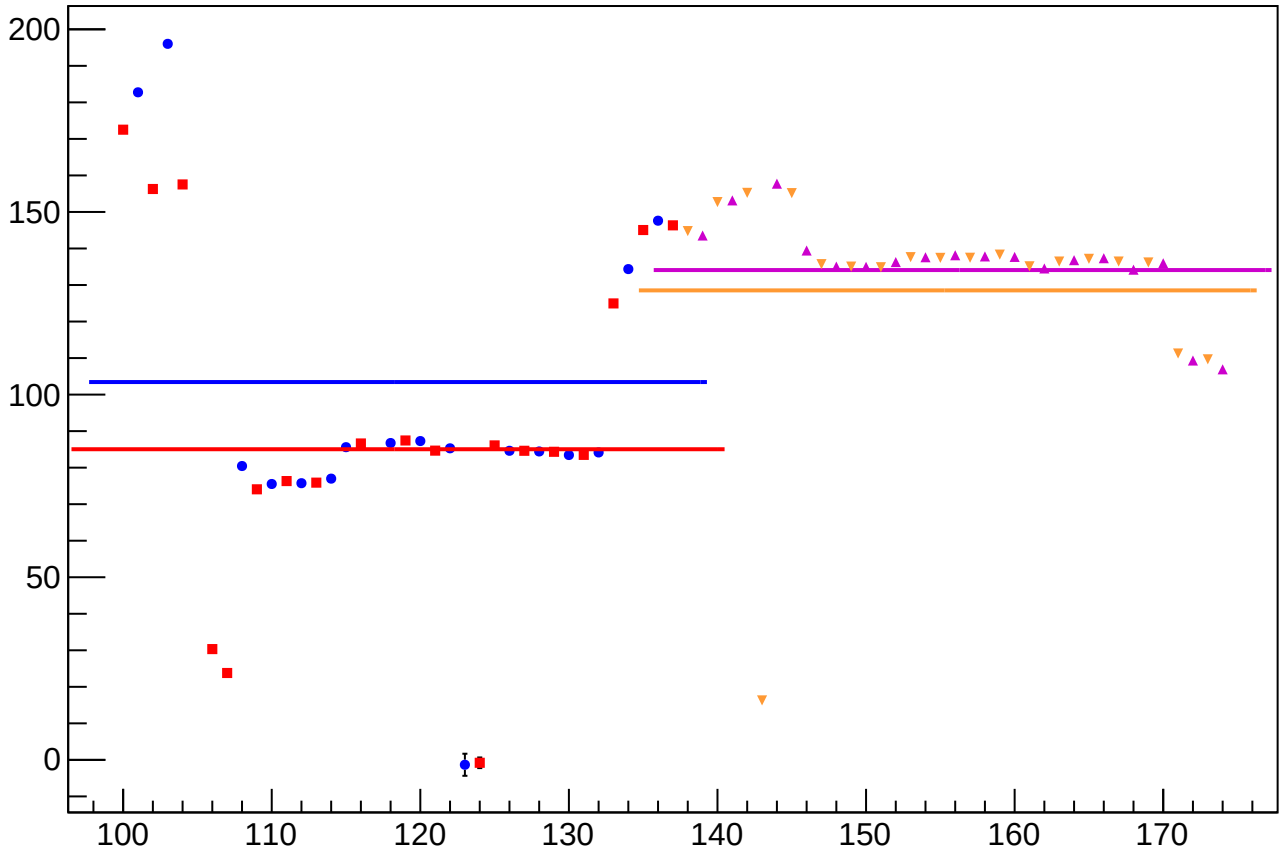
Left: -75.209+/-0.717 χ^2/NDF: 939.9/36

Right: -75.395+/-0.754 χ^2/NDF: 1272.0/35

In: -78.120+/-0.746 χ^2/NDF:886.4/34

Out: -72.632+/-0.725 χ^2/NDF:1297.7/37

All: -75.298+/-0.520 χ^2/NDF: 2211.9/72



Right In: 103.436+/-0.071 χ^2/NDF: 272785.6/16

Left Out: 128.529+/-0.048 χ^2/NDF:373560.1/18

Right Out: 85.043+/-0.064 χ^2/NDF: 422343.0/18

Left In: 134.095+/-0.048 χ^2/NDF:72148.1/17

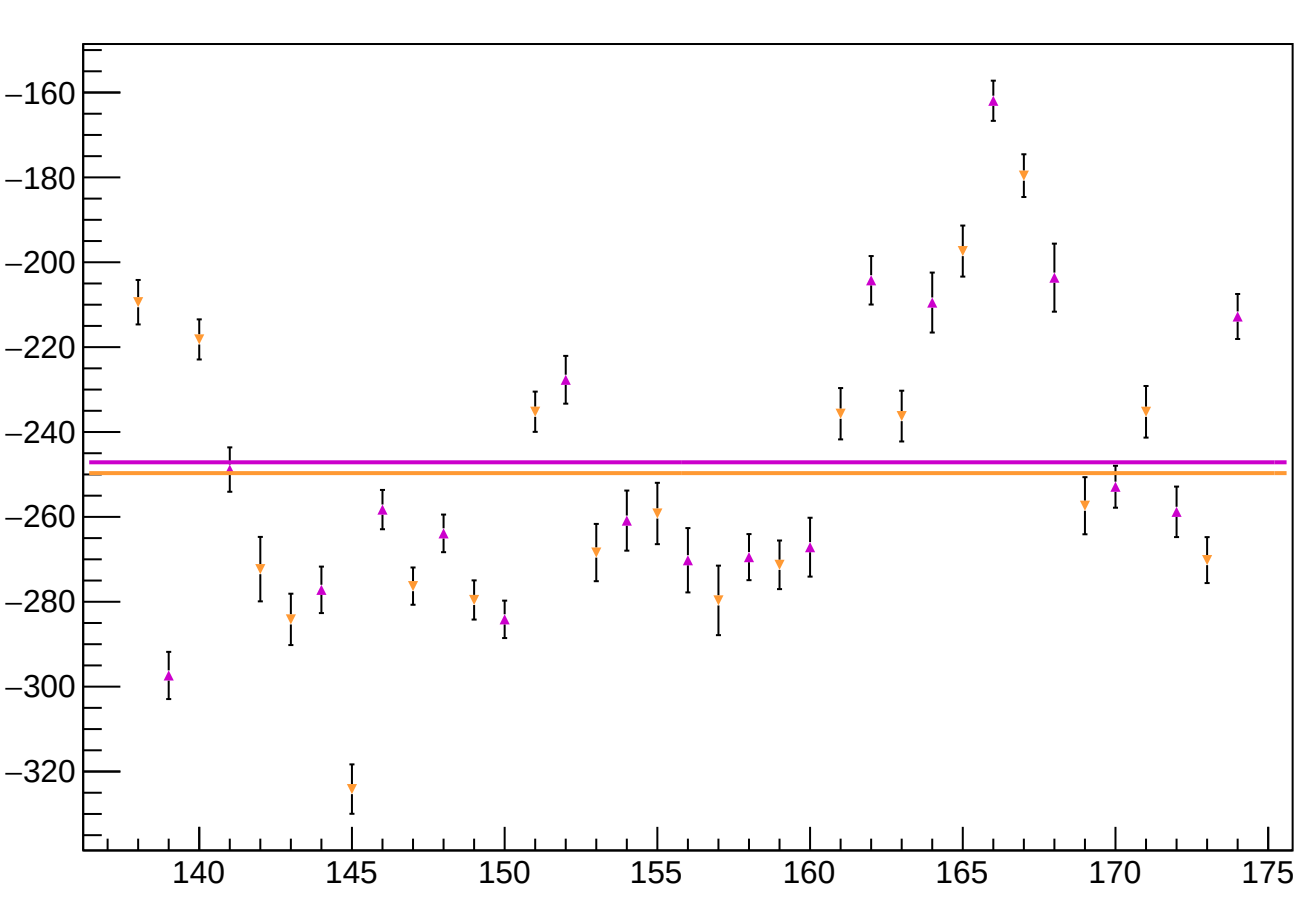
Left: 131.317+/-0.034 χ^2/NDF: 452404.8/36

Right: 93.267+/-0.047 χ^2/NDF: 732362.9/35

In: 124.441+/-0.040 χ^2/NDF:473119.1/34

Out: 112.737+/-0.038 χ^2/NDF:1092323.9/37

All: 118.385+/-0.028 χ^2/NDF: 1610248.7/72



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: -247.136+/-1.302 χ^2/NDF:737.6/17

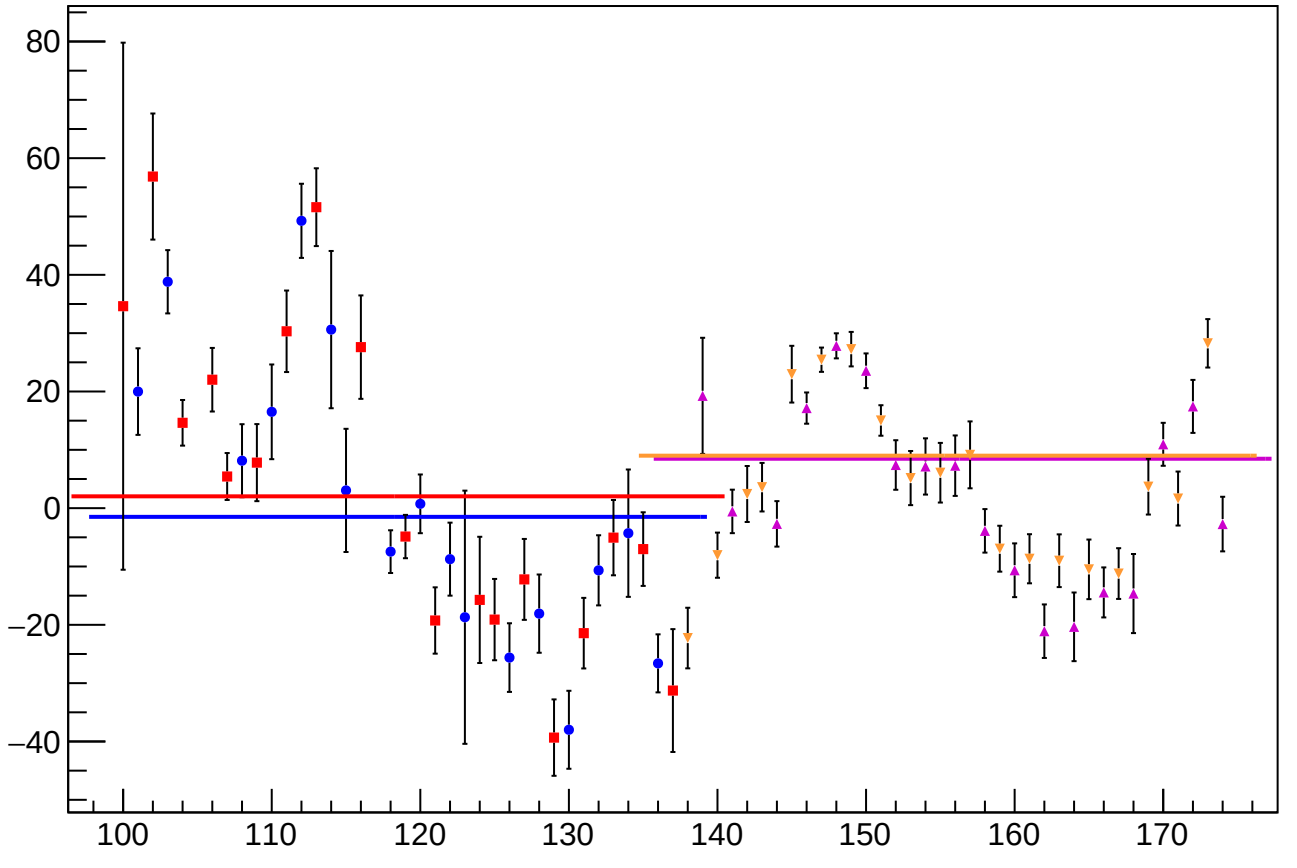
Left: -248.411+/-0.920 χ^2/NDF: 1474.0/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -247.136+/-1.302 χ^2/NDF:737.6/17

Out: -249.686+/-1.301 χ^2/NDF:734.4/18

All: -248.411+/-0.920 χ^2/NDF: 1474.0/36



Right In: -1.490+/-1.536 χ^2/NDF: 226.0/16

Left Out: 8.997+/-0.890 χ^2/NDF:285.8/18

Right Out: 2.028+/-1.400 χ^2/NDF: 233.3/18

Left In: 8.472+/-0.916 χ^2/NDF:276.7/17

Left: 8.742+/-0.638 χ^2/NDF: 562.6/36

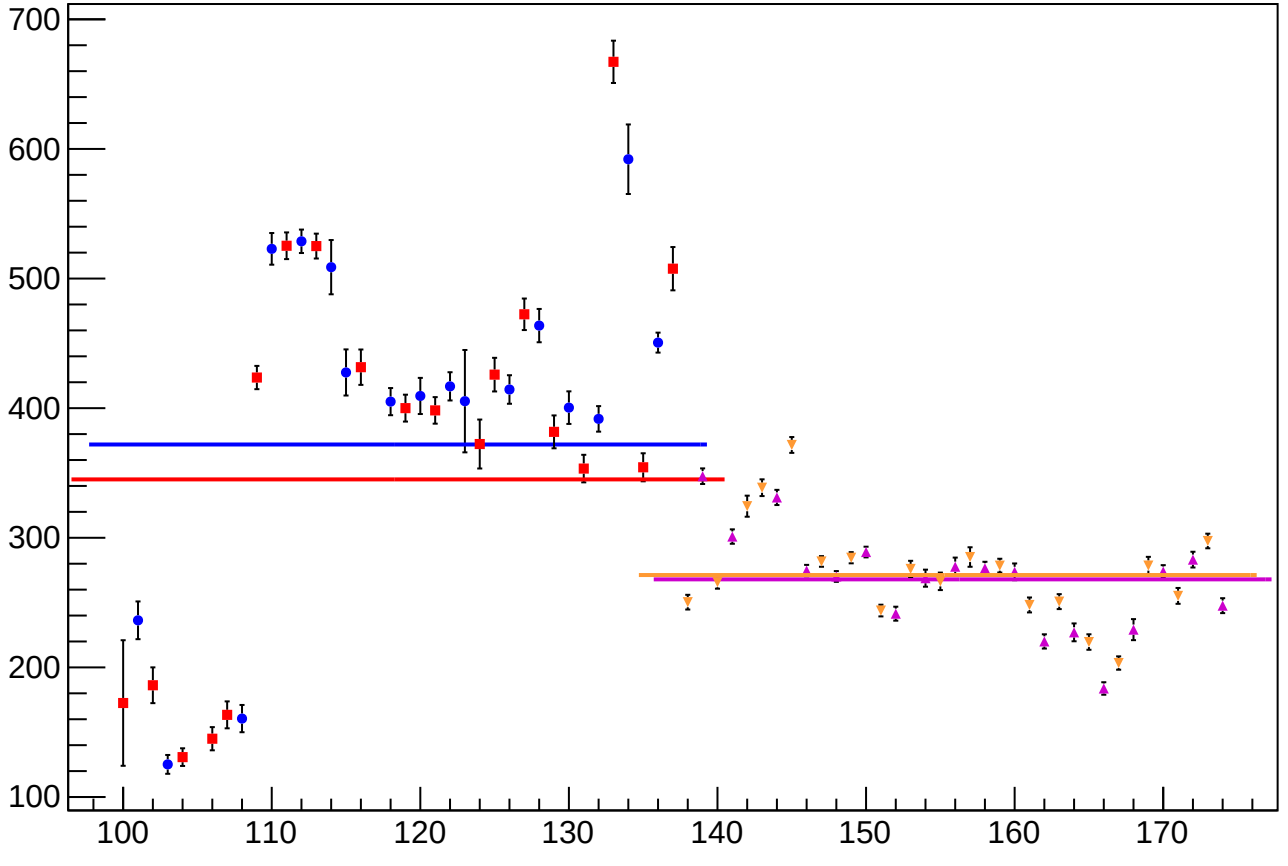
Right: 0.432+/-1.035 χ^2/NDF: 462.1/35

In: 5.859+/-0.787 χ^2/NDF:533.7/34

Out: 6.992+/-0.751 χ^2/NDF:536.7/37

All: 6.452+/-0.543 χ^2/NDF: 1071.5/72

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975+/-2.778 χ^2/NDF: 2432.6/16

Left Out: 271.266+/-1.286 χ^2/NDF:802.0/18

Right Out: 345.043+/-2.562 χ^2/NDF: 3415.2/18

Left In: 267.916+/-1.282 χ^2/NDF:843.5/17

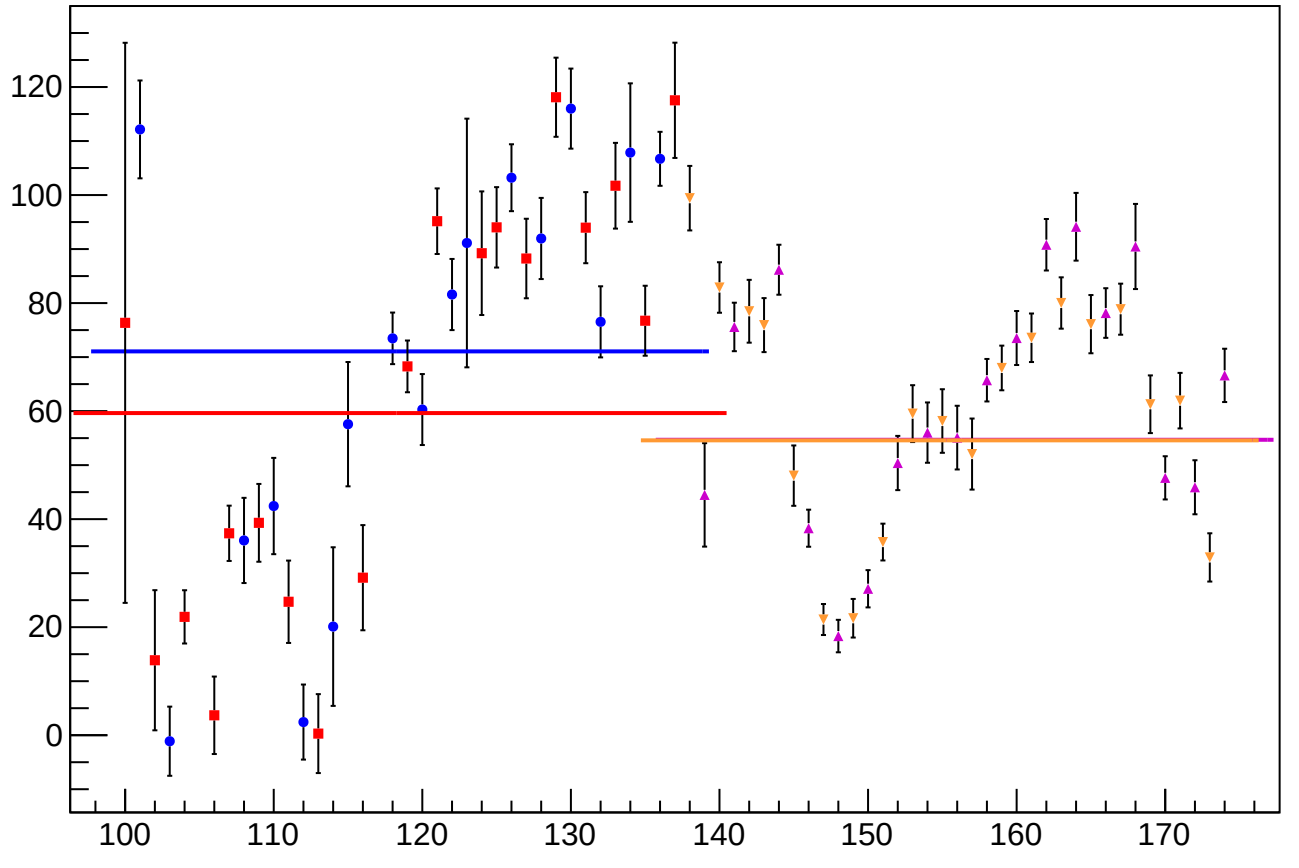
Left: 269.586+/-0.908 χ^2/NDF: 1648.9/36

Right: 357.423+/-1.883 χ^2/NDF: 5898.6/35

In: 286.179+/-1.164 χ^2/NDF:4433.2/34

Out: 286.105+/-1.149 χ^2/NDF:4879.6/37

All: 286.142+/-0.818 χ^2/NDF: 9312.8/72



Right In: 71.056+/-1.764 χ^2/NDF: 426.2/16

Left Out: 54.588+/-1.052 χ^2/NDF:506.4/18

Right Out: 59.637+/-1.631 χ^2/NDF: 491.6/18

Left In: 54.692+/-1.073 χ^2/NDF:480.4/17

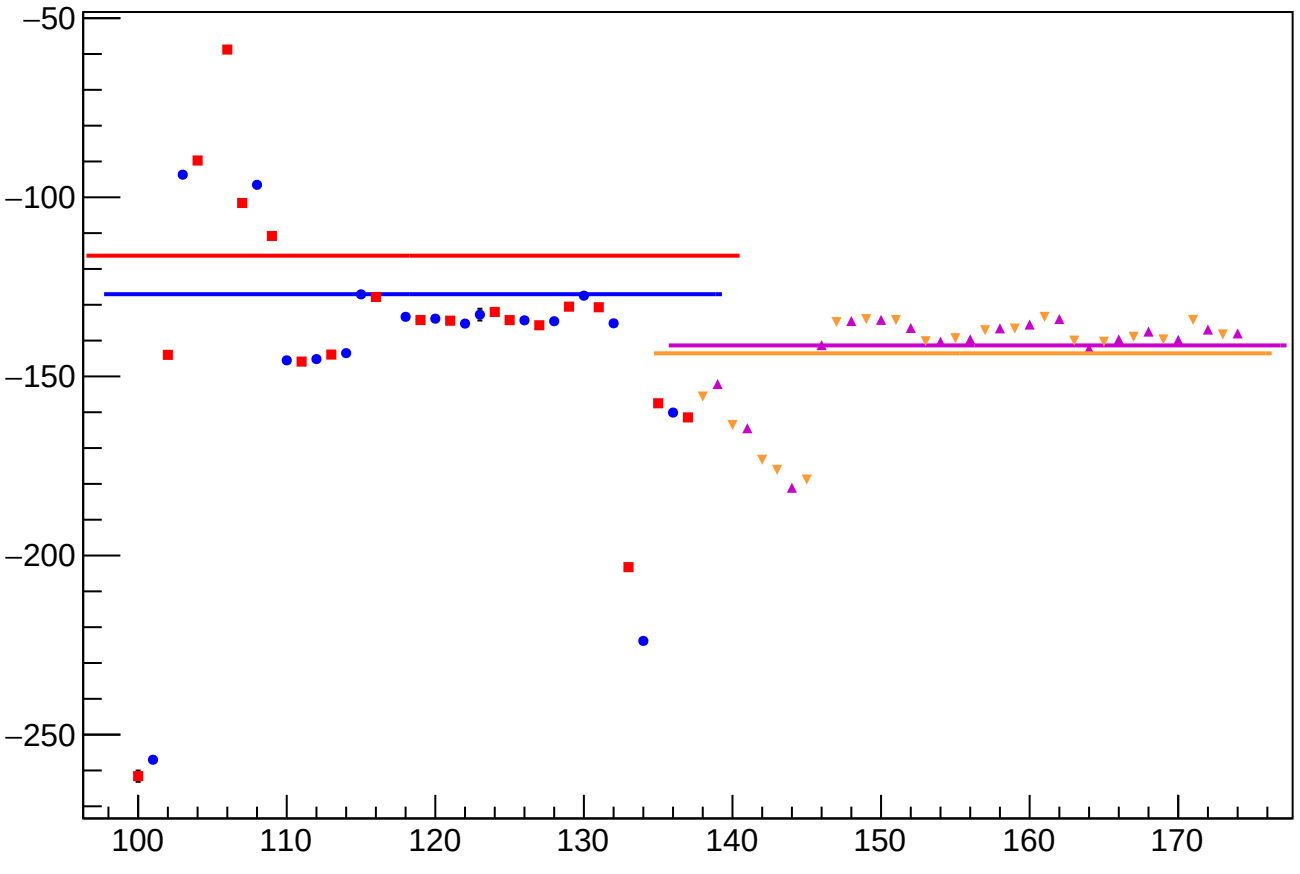
Left: 54.639+/-0.751 χ^2/NDF: 986.7/36

Right: 64.900+/-1.198 χ^2/NDF: 940.4/35

In: 59.112+/-0.917 χ^2/NDF:969.4/34

Out: 56.071+/-0.884 χ^2/NDF:1004.8/37

All: 57.536+/-0.636 χ^2/NDF: 1979.8/72



Right In: -127.049+/-0.090 χ^2/NDF: 167014.4/16

Left Out: -143.556+/-0.051 χ^2/NDF:71724.1/18

Right Out: -116.295+/-0.083 χ^2/NDF: 167109.1/18

Left In: -141.347+/-0.050 χ^2/NDF:44336.9/17

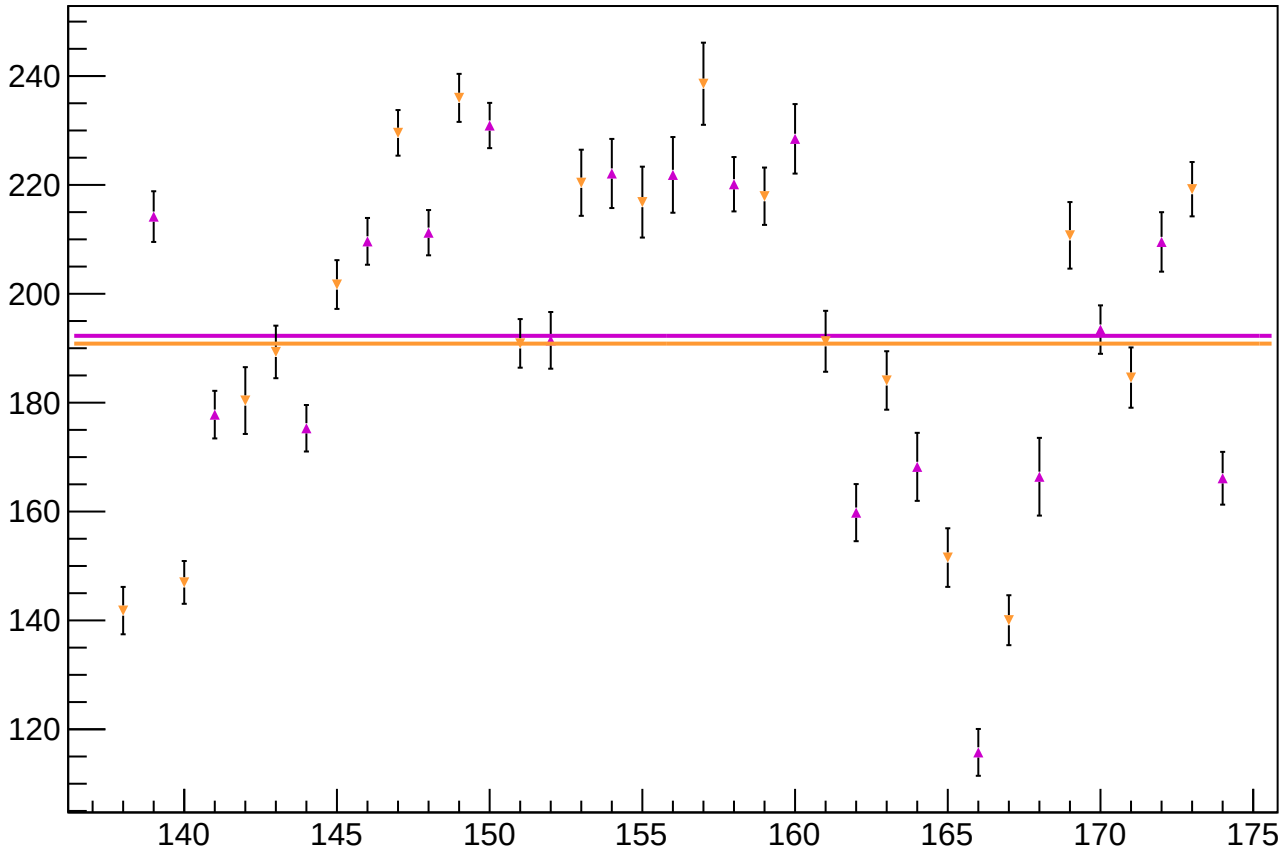
Left: -142.440+/-0.036 χ^2/NDF: 117010.3/36

Right: -121.250+/-0.061 χ^2/NDF: 341860.6/35

In: -137.916+/-0.044 χ^2/NDF:230629.6/34

Out: -136.094+/-0.043 χ^2/NDF:317209.2/37

All: -136.993+/-0.031 χ^2/NDF: 548708.5/72



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: 192.279+/-1.169 χ^2/NDF:697.6/17

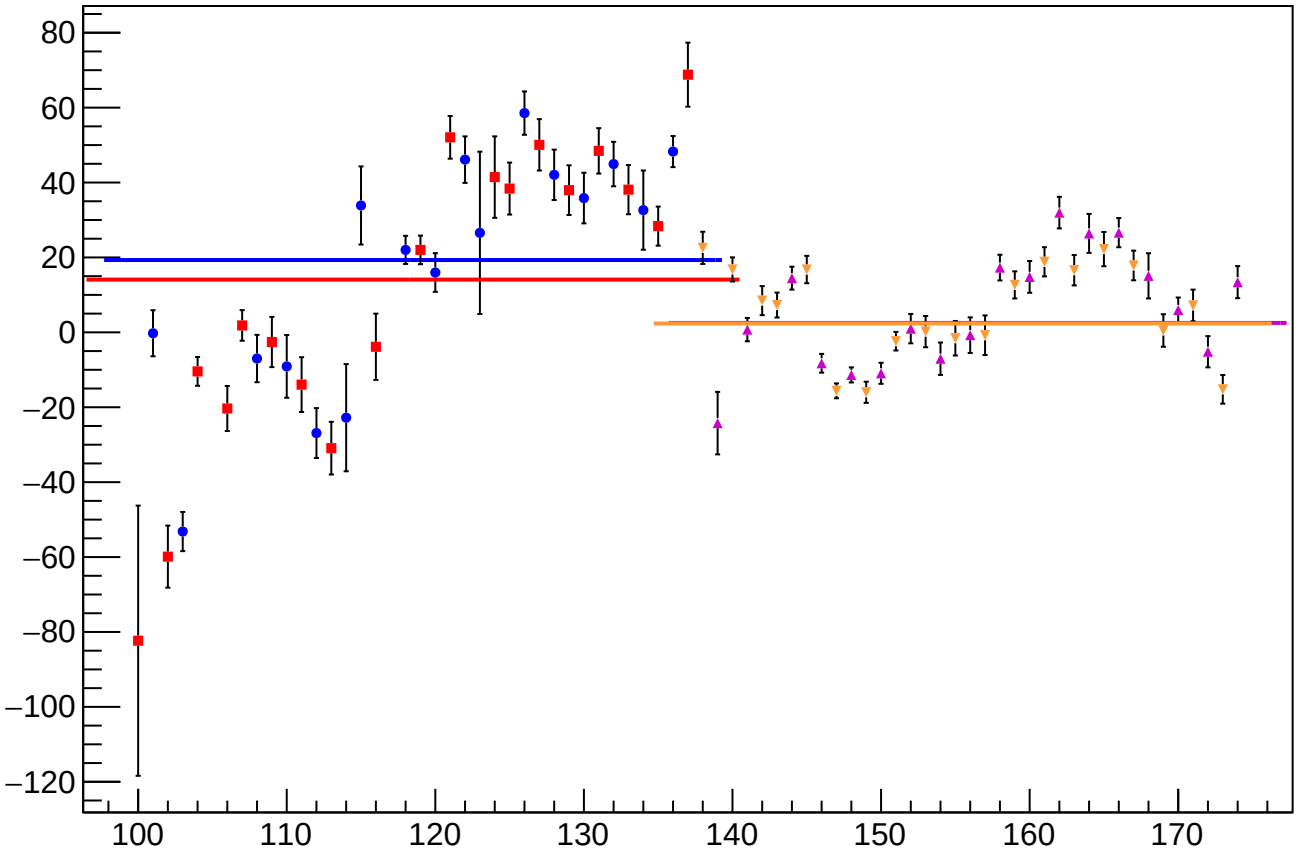
Left: 191.555+/-0.822 χ^2/NDF: 1476.7/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 192.279+/-1.169 χ^2/NDF:697.6/17

Out: 190.847+/-1.156 χ^2/NDF:778.3/18

All: 191.555+/-0.822 χ^2/NDF: 1476.7/36



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: 2.517+/-0.830 χ^2/NDF:270.9/17

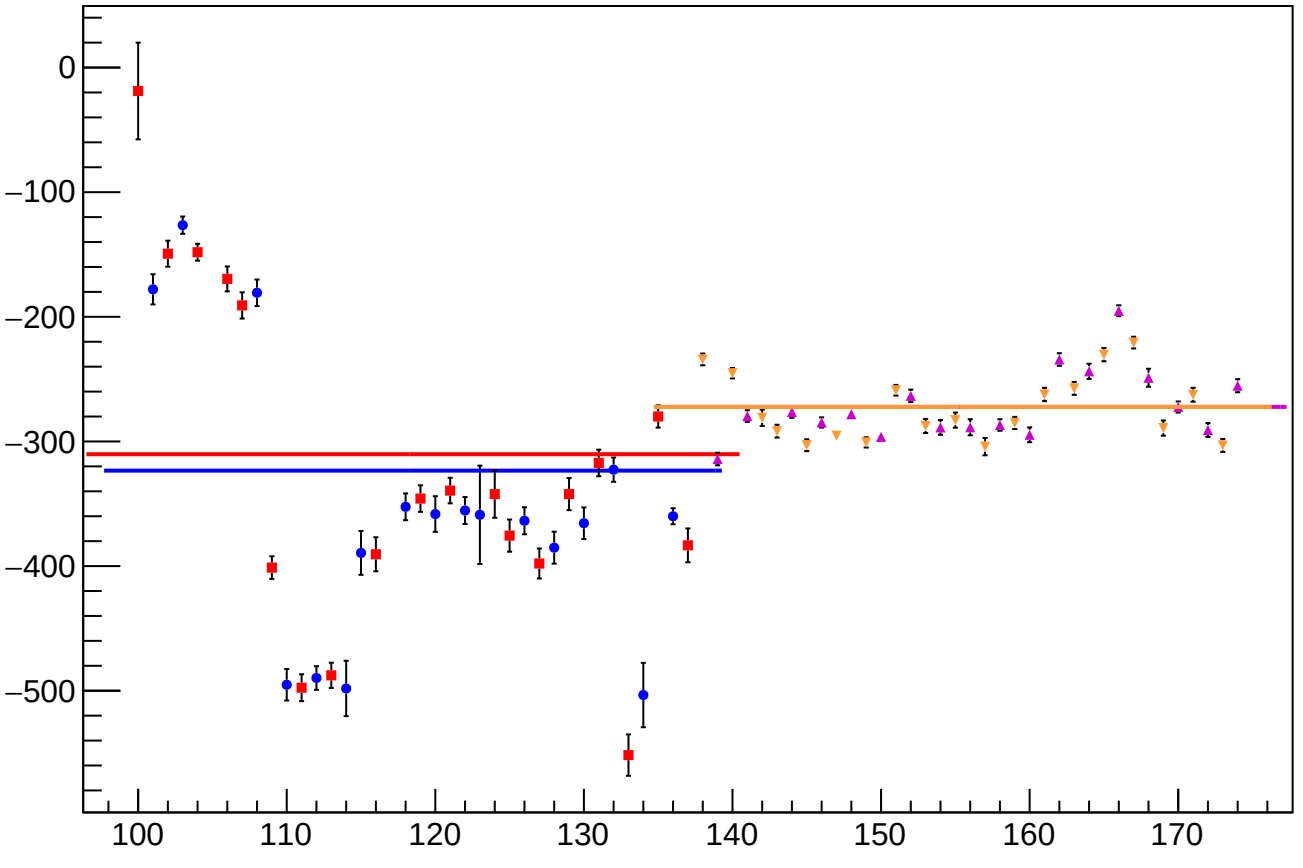
Left: 2.438+/-0.577 χ^2/NDF: 557.5/36

Right: 16.496+/-1.020 χ^2/NDF: 884.7/35

In: 6.454+/-0.727 χ^2/NDF:808.0/34

Out: 5.289+/-0.694 χ^2/NDF:776.9/37

All: 5.845+/-0.502 χ^2/NDF: 1586.3/72



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: -272.256+/-1.155 χ^2/NDF:584.2/17

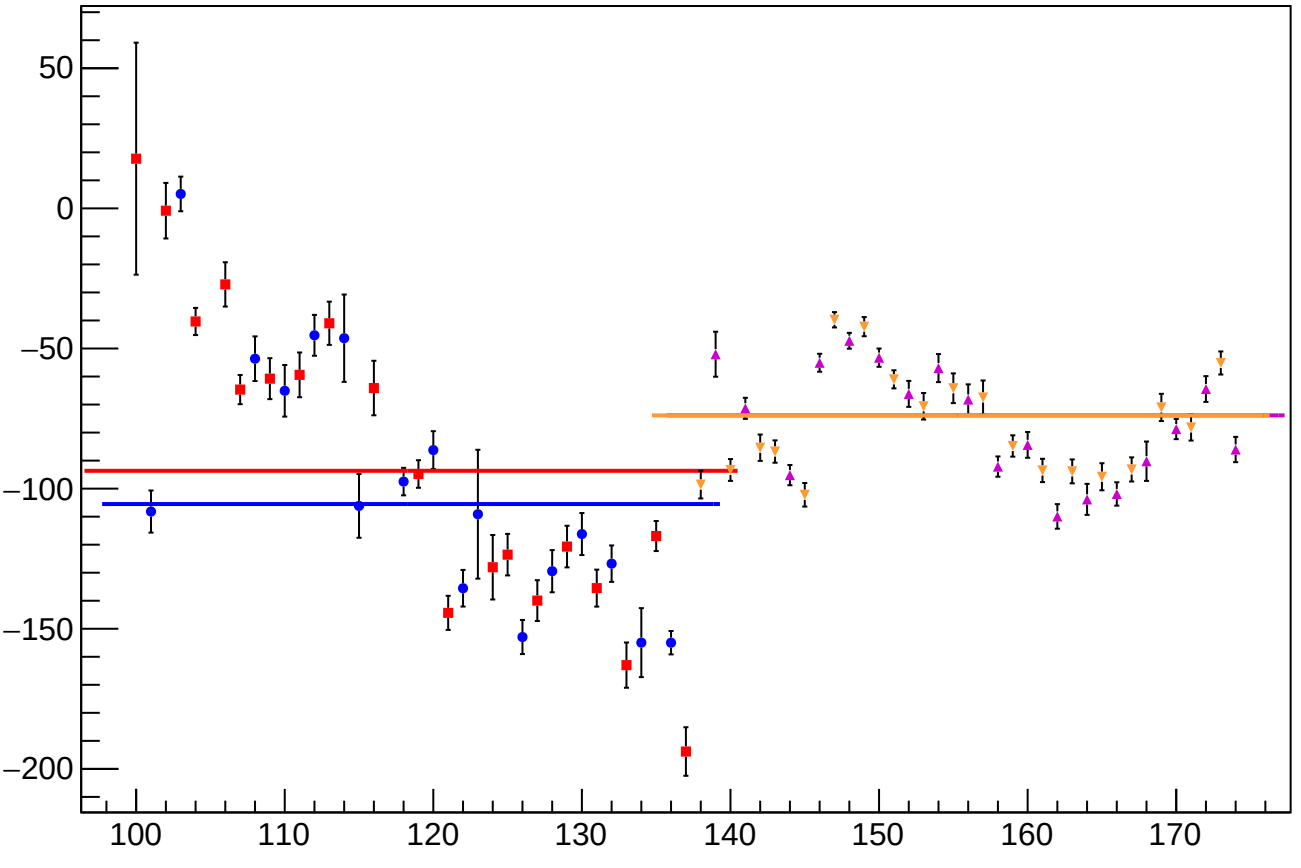
Left: -272.293+/-0.815 χ^2/NDF: 1120.0/36

Right: -316.413+/-1.838 χ^2/NDF: 4161.2/35

In: -280.252+/-1.061 χ^2/NDF:2740.2/34

Out: -278.847+/-1.046 χ^2/NDF:3021.5/37

All: -279.539+/-0.745 χ^2/NDF: 5762.6/72



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: -73.855+/-0.971 χ^2/NDF:412.9/17

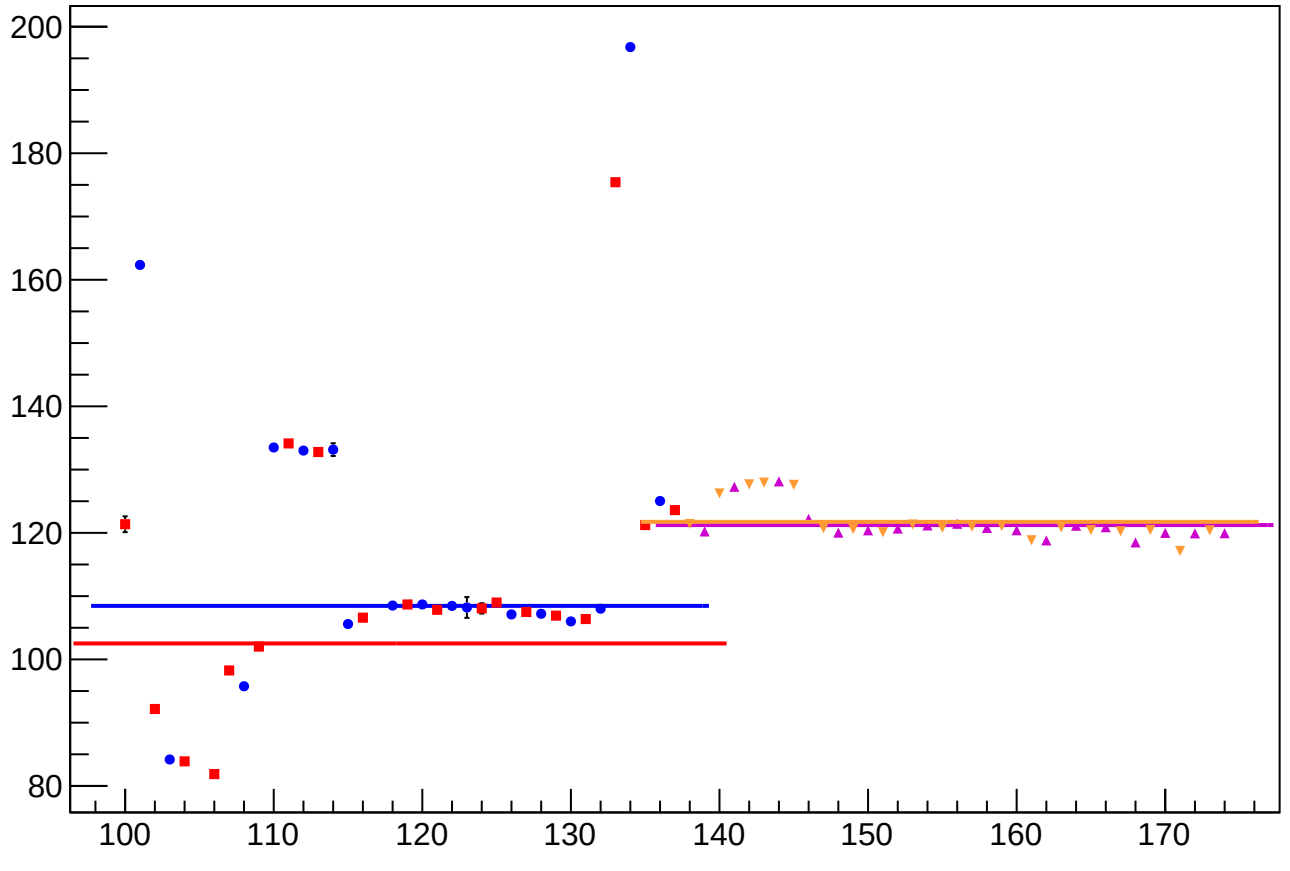
Left: -73.861+/-0.677 χ^2/NDF: 901.9/36

Right: -99.203+/-1.173 χ^2/NDF: 1589.9/35

In: -81.555+/-0.845 χ^2/NDF:1408.7/34

Out: -78.931+/-0.815 χ^2/NDF:1428.2/37

All: -80.196+/-0.586 χ^2/NDF: 2841.9/72



Right In: 108.460+/-0.085 χ^2/NDF: 73301.9/16

Left Out: 121.741+/-0.046 χ^2/NDF:4139.6/18

Right Out: 102.521+/-0.080 χ^2/NDF: 52992.1/18

Left In: 121.231+/-0.045 χ^2/NDF:2796.1/17

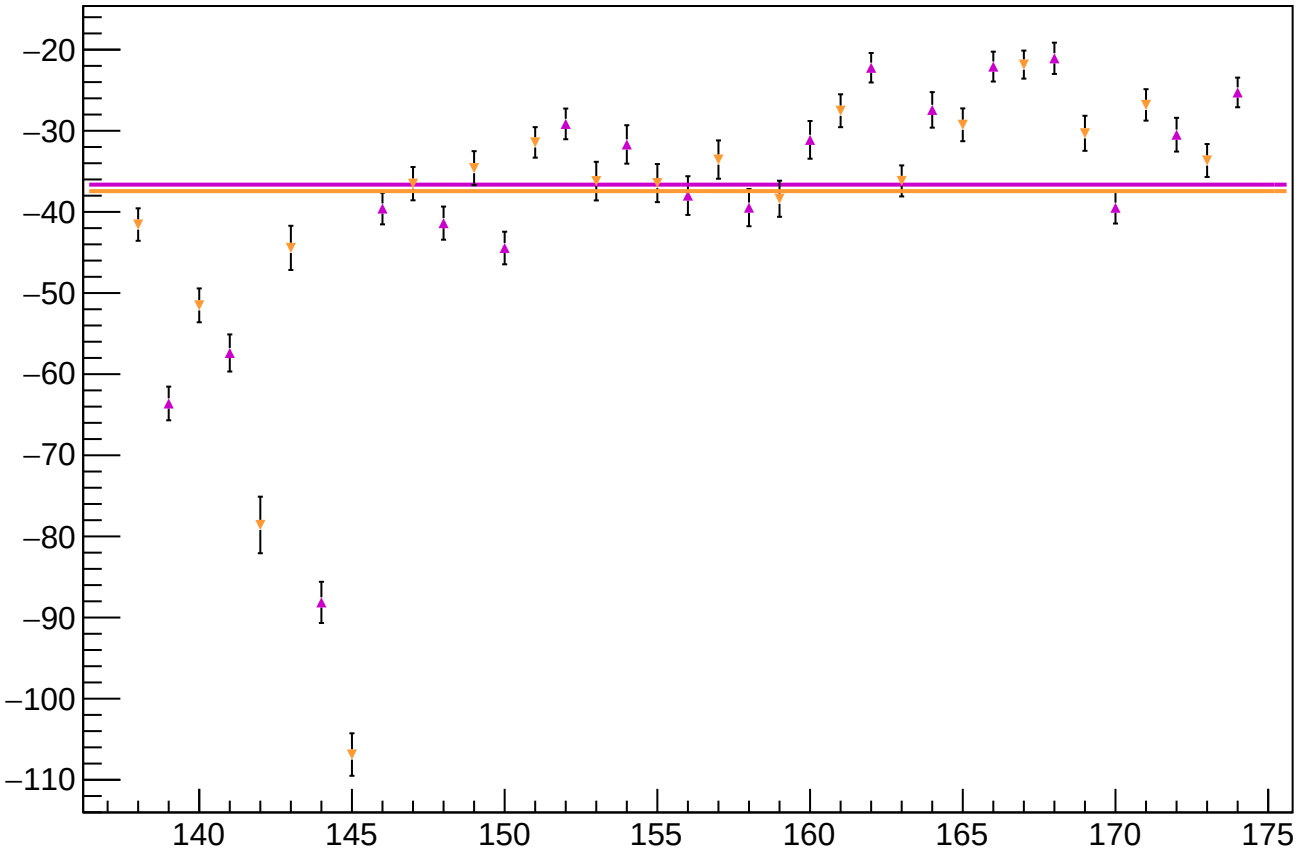
Left: 121.486+/-0.032 χ^2/NDF: 6998.6/36

Right: 105.294+/-0.058 χ^2/NDF: 128896.1/35

In: 118.391+/-0.040 χ^2/NDF:93652.5/34

Out: 117.001+/-0.040 χ^2/NDF:101111.4/37

All: 117.686+/-0.028 χ^2/NDF: 195373.4/72



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: -36.638+/-0.487 χ^2/NDF:971.0/17

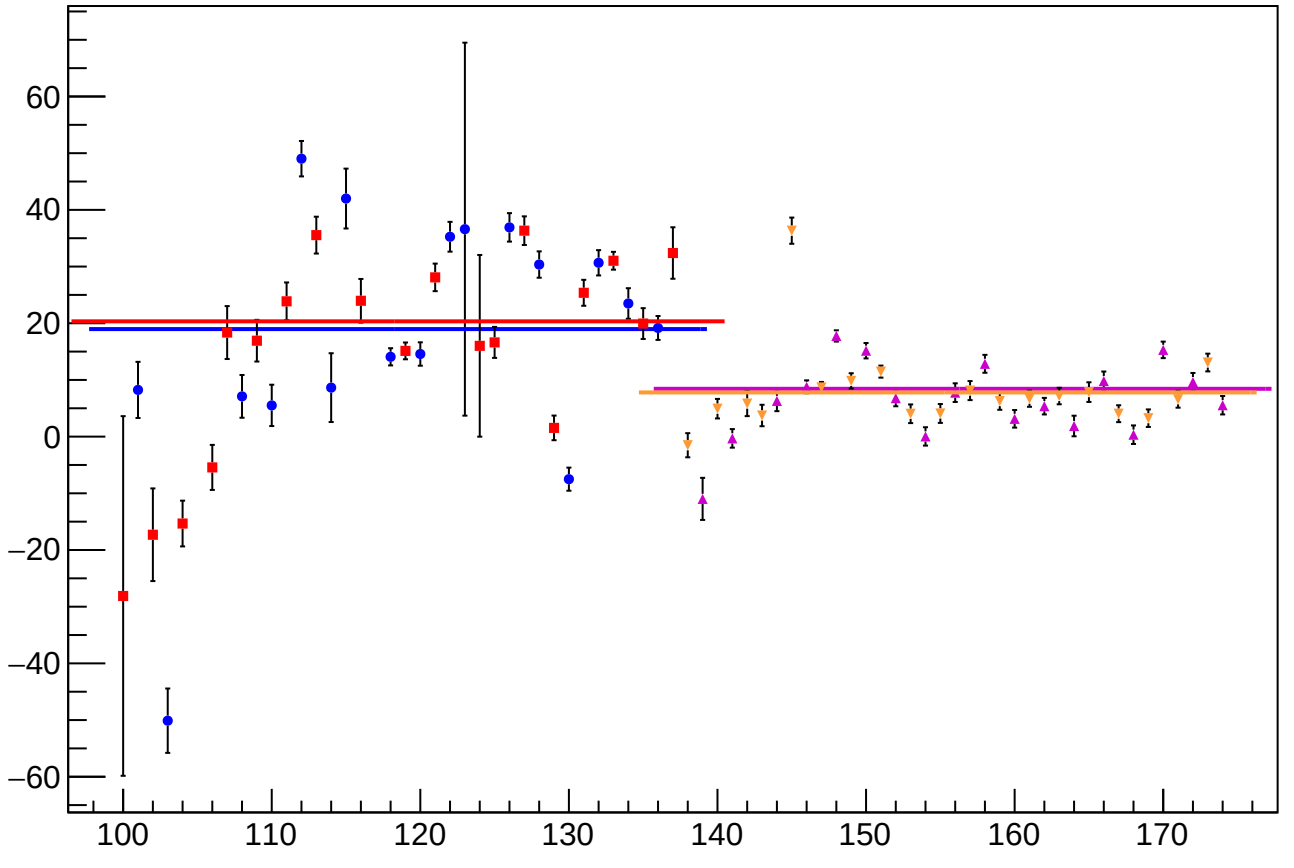
Left: -37.035+/-0.346 χ^2/NDF: 2053.3/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -36.638+/-0.487 χ^2/NDF:971.0/17

Out: -37.438+/-0.491 χ^2/NDF:1080.9/18

All: -37.035+/-0.346 χ^2/NDF: 2053.3/36



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: 8.436+/-0.356 χ^2/NDF:286.5/17

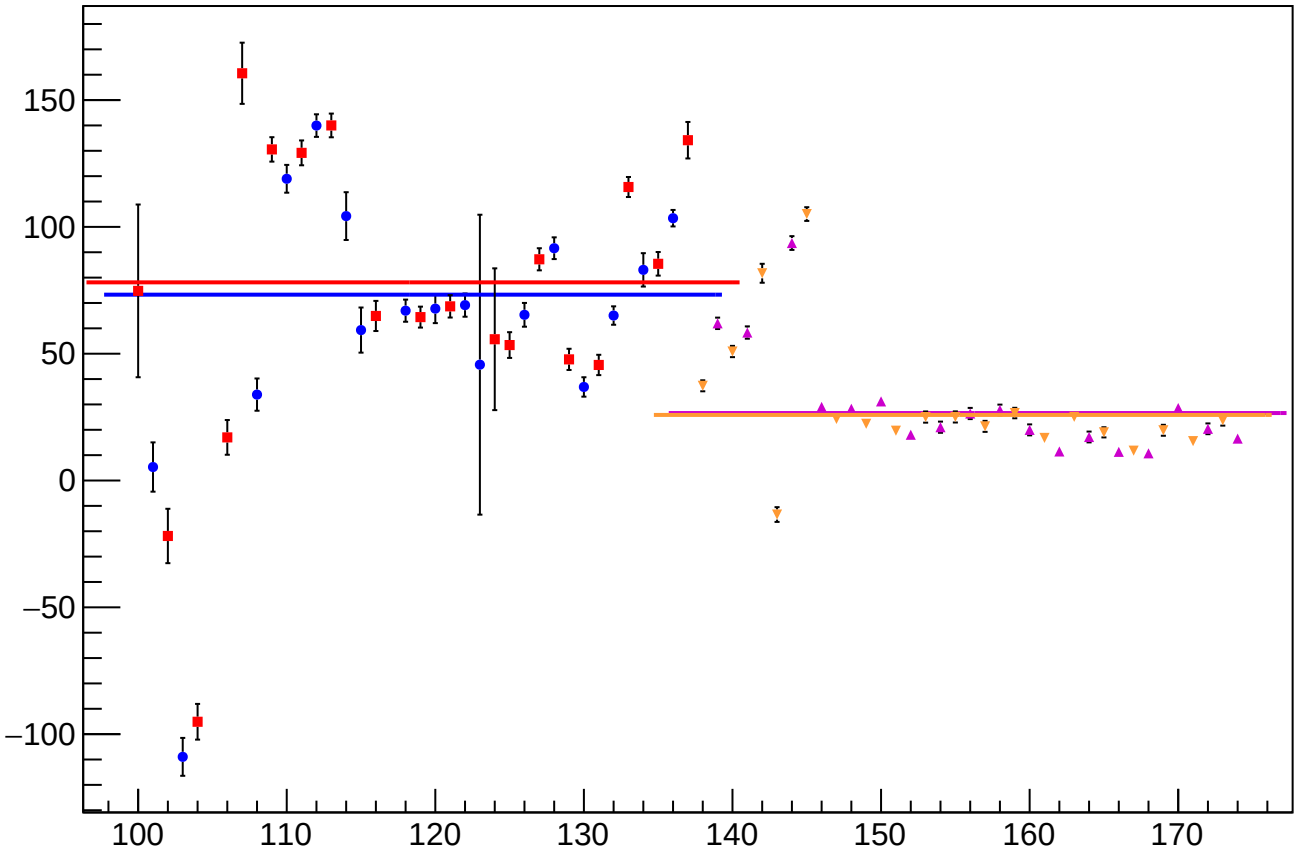
Left: 8.109+/-0.249 χ^2/NDF: 521.9/36

Right: 19.666+/-0.458 χ^2/NDF: 987.0/35

In: 10.854+/-0.313 χ^2/NDF:1105.4/34

Out: 10.647+/-0.306 χ^2/NDF:894.9/37

All: 10.748+/-0.219 χ^2/NDF: 2000.5/72



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: 26.604+/-0.480 χ^2/NDF:1337.5/17

Left: 26.237+/-0.341 χ^2/NDF: 2912.4/36

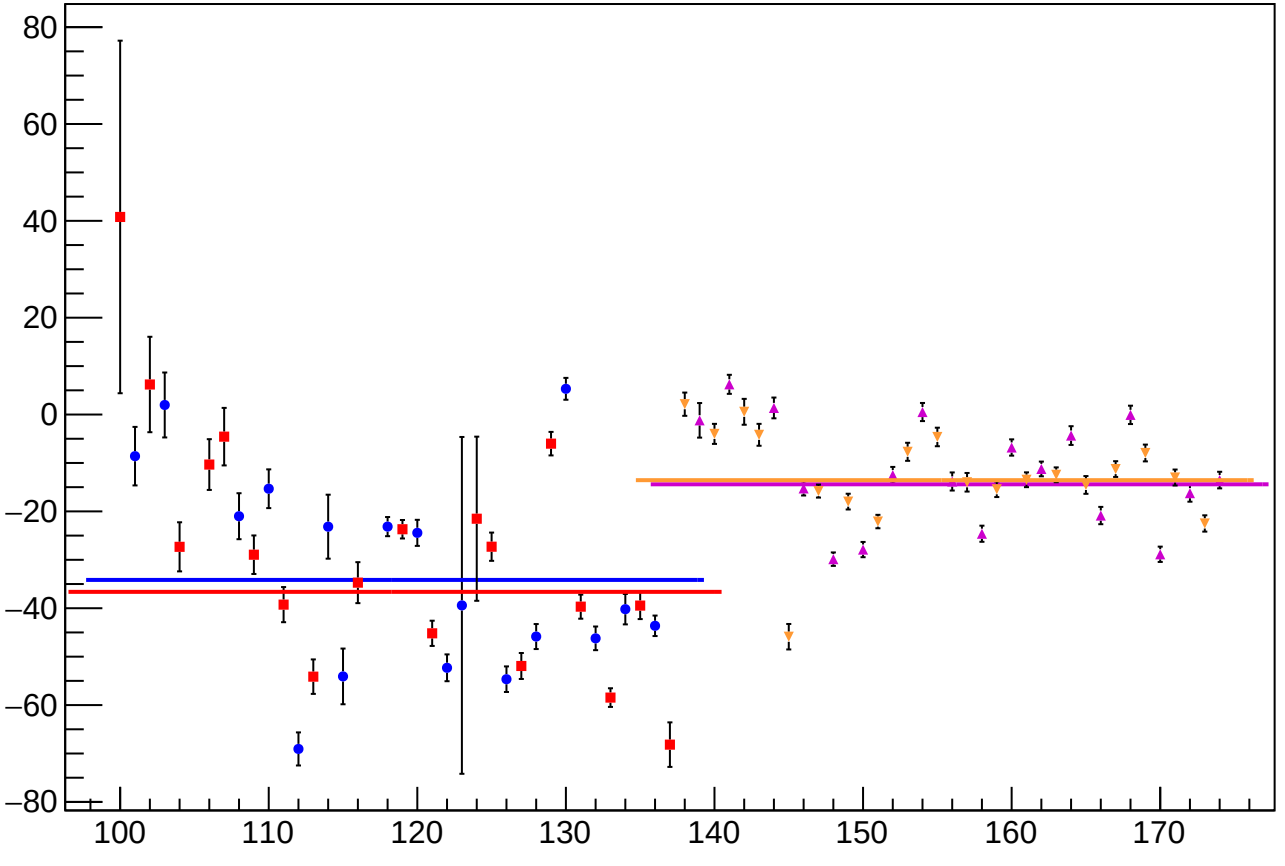
Right: 75.732+/-0.869 χ^2/NDF: 2749.7/35

In: 32.728+/-0.448 χ^2/NDF:3774.1/34

Out: 32.943+/-0.450 χ^2/NDF:4697.2/37

All: 32.835+/-0.317 χ^2/NDF: 8471.5/72

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: -14.407+/-0.410 χ^2/NDF:685.1/17

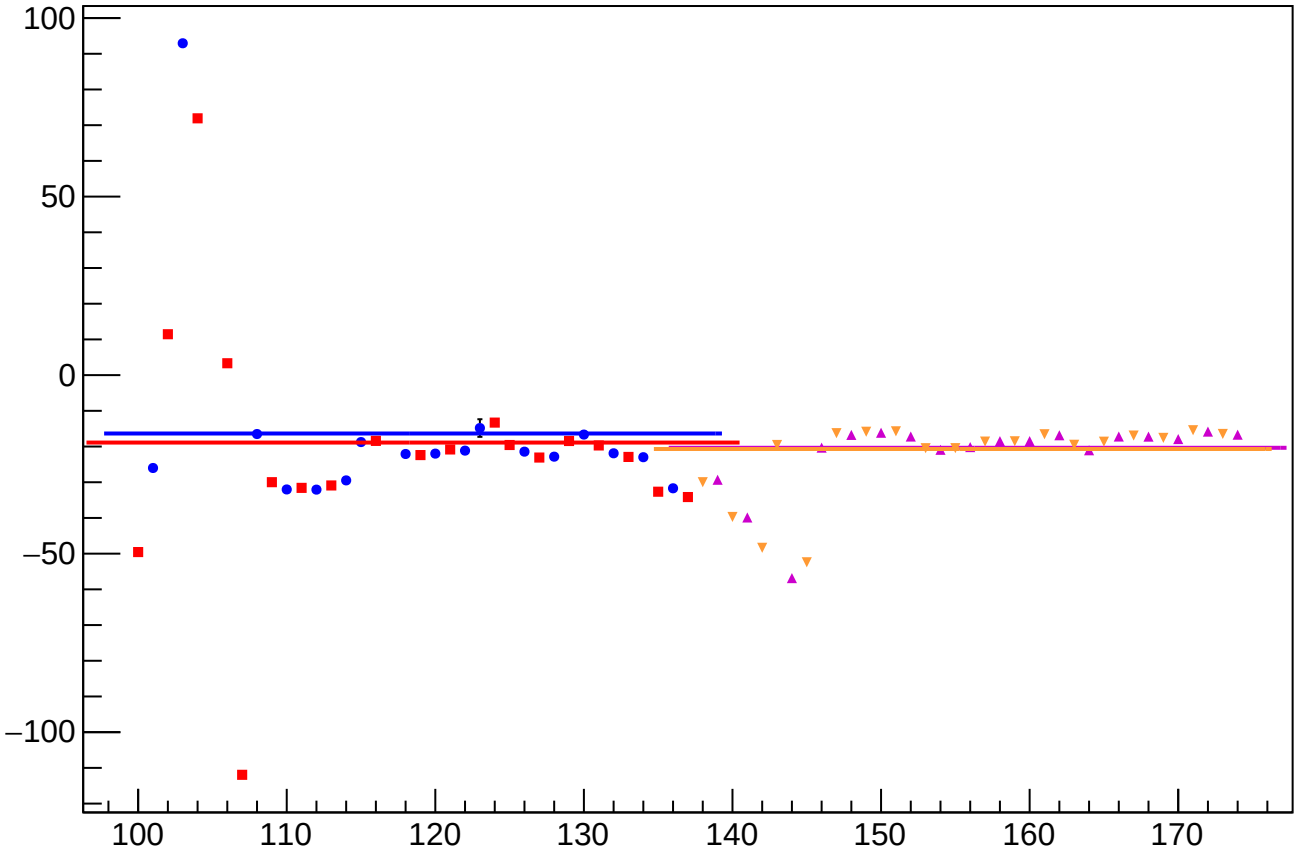
Left: -13.973+/-0.288 χ^2/NDF: 1070.2/36

Right: -35.401+/-0.523 χ^2/NDF: 1270.0/35

In: -19.007+/-0.360 χ^2/NDF:1941.6/34

Out: -18.886+/-0.354 χ^2/NDF:1685.3/37

All: -18.946+/-0.252 χ^2/NDF: 3627.0/72



Right In: -16.349+/-0.045 χ^2/NDF: 474192.3/16

Left Out: -20.689+/-0.019 χ^2/NDF:201424.4/18

Right Out: -18.886+/-0.045 χ^2/NDF: 433793.7/18

Left In: -20.351+/-0.019 χ^2/NDF:167624.9/17

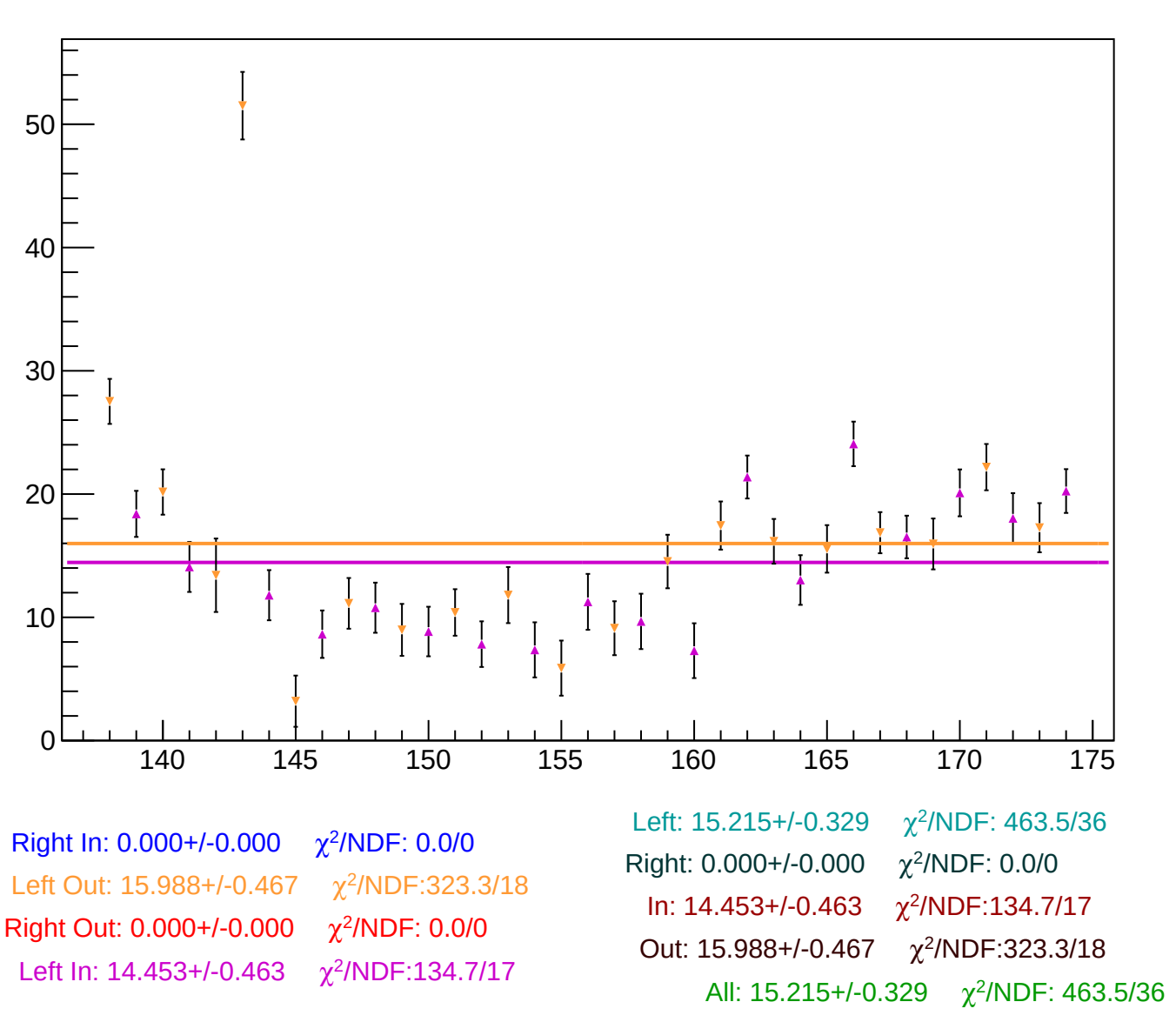
Left: -20.519+/-0.013 χ^2/NDF: 369213.0/36

Right: -17.599+/-0.032 χ^2/NDF: 909577.8/35

In: -19.758+/-0.017 χ^2/NDF:648663.8/34

Out: -20.425+/-0.017 χ^2/NDF:636570.5/37

All: -20.089+/-0.012 χ^2/NDF: 1285980.8/72


reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
0
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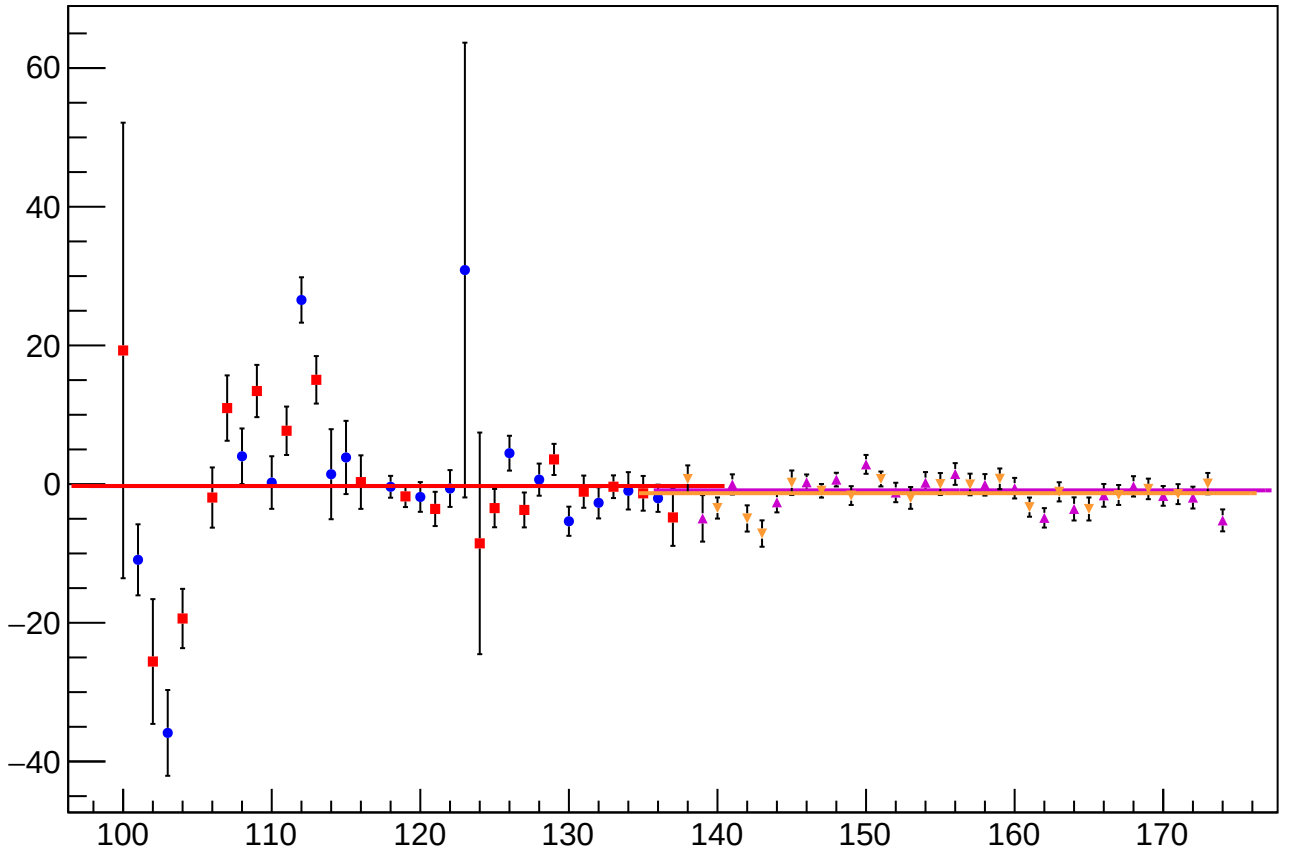
50
140
145
150
155
160
165
170
175
Right In: 0.000+/-0.000 χ2/NDF: 0.0/0
Left Out: 15.988+/-0.467 χ2/NDF:323.3/18
Right Out: 0.000+/-0.000 χ2/NDF: 0.0/0
Left In: 14.453+/-0.463 χ2/NDF:134.7/17
Left: 15.215+/-0.329 χ2/NDF: 463.5/36
Right: 0.000+/-0.000 χ2/NDF: 0.0/0
In: 14.453+/-0.463 χ2/NDF:134.7/17
Out: 15.988+/-0.467 χ2/NDF:323.3/18
All: 15.215+/-0.329 χ2/NDF: 463.5/36



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: -0.902+/-0.341 χ^2/NDF:36.6/17

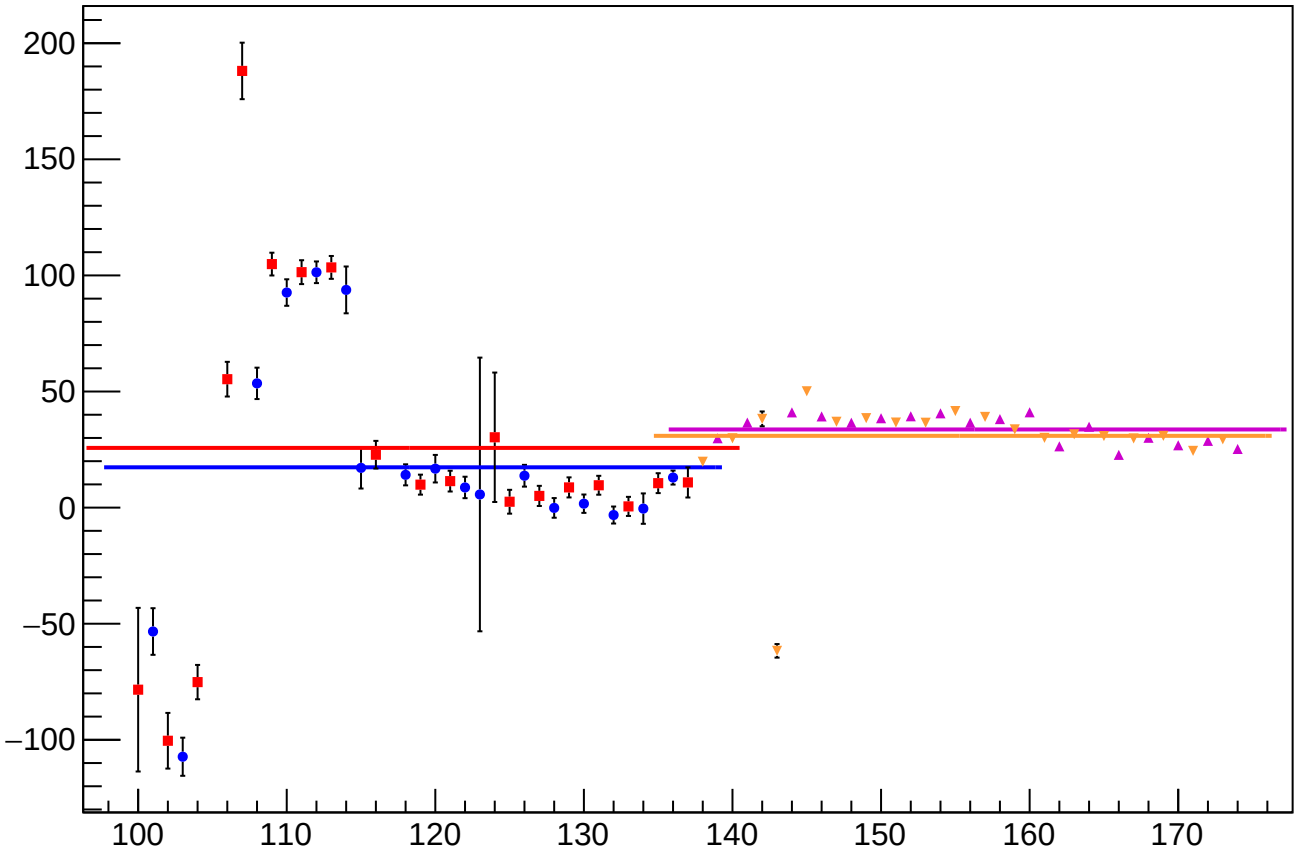
Left: -1.109+/-0.239 χ^2/NDF: 66.4/36

Right: -0.275+/-0.466 χ^2/NDF: 202.7/35

In: -0.772+/-0.303 χ^2/NDF:156.8/34

Out: -1.094+/-0.298 χ^2/NDF:114.3/37

All: -0.936+/-0.213 χ^2/NDF: 271.7/72



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: 33.659+/-0.458 χ^2/NDF:171.8/17

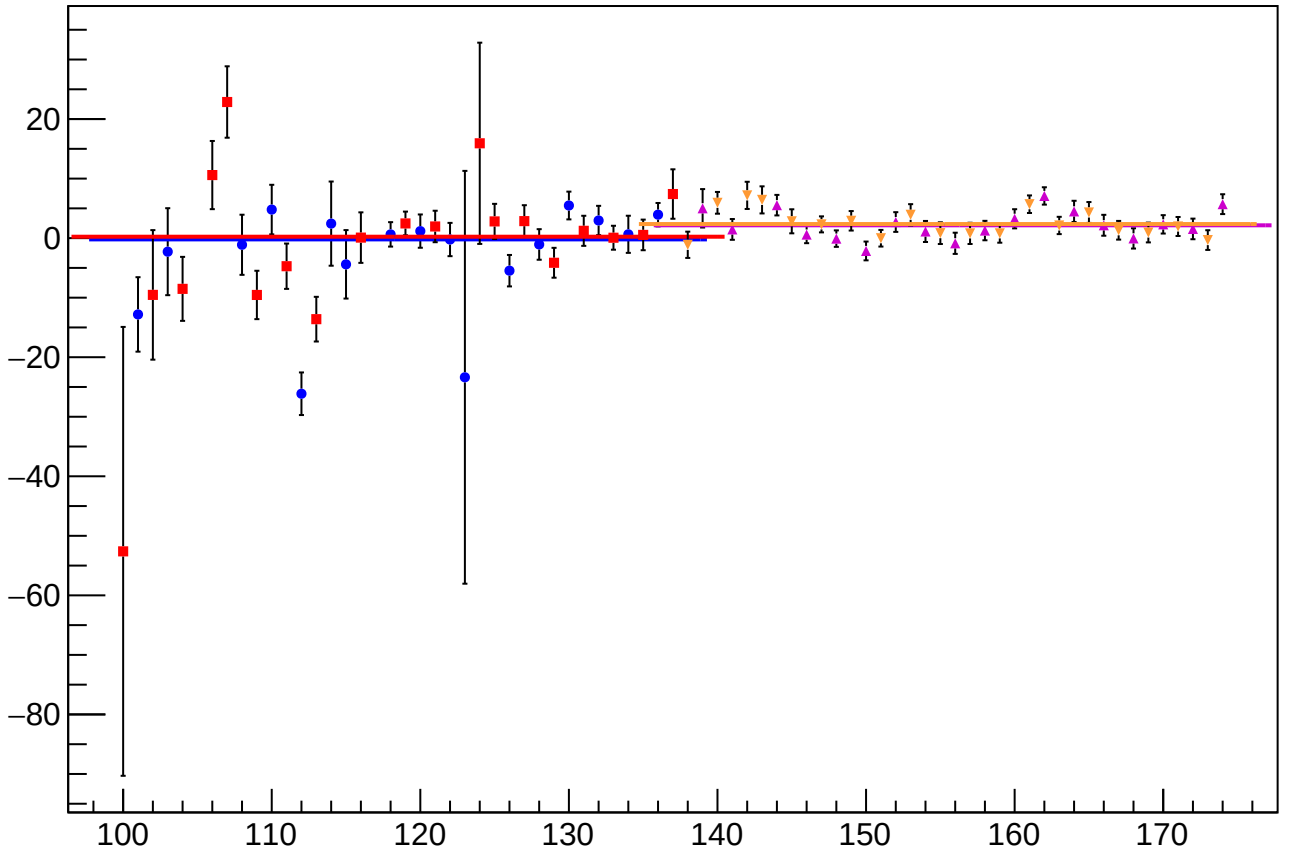
Left: 32.298+/-0.325 χ^2/NDF: 1405.1/36

Right: 21.552+/-0.880 χ^2/NDF: 2344.4/35

In: 31.724+/-0.430 χ^2/NDF:1265.4/34

Out: 30.284+/-0.433 χ^2/NDF:2609.7/37

All: 31.009+/-0.305 χ^2/NDF: 3880.6/72



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: 2.154+/-0.392 χ^2/NDF:39.6/17

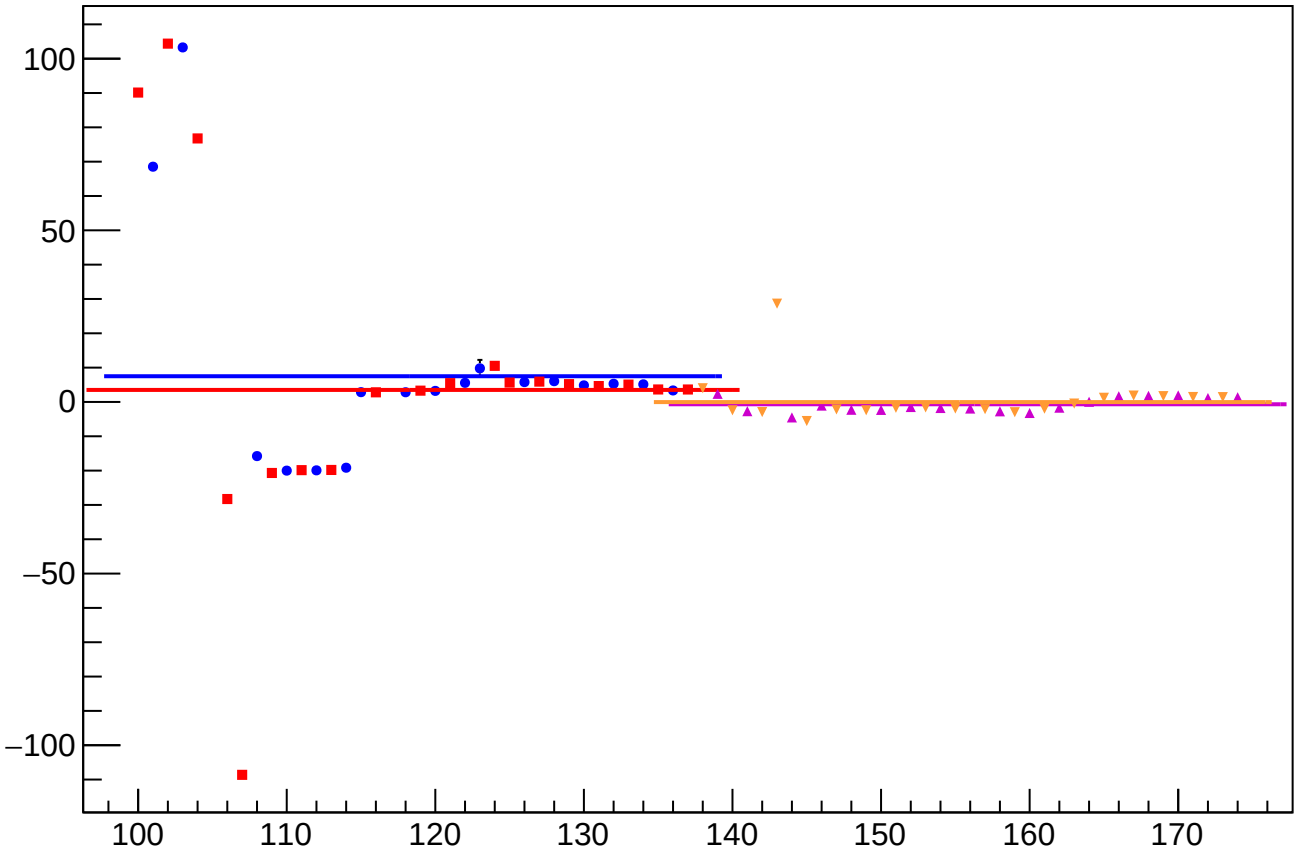
Left: 2.262+/-0.275 χ^2/NDF: 70.3/36

Right: 0.015+/-0.530 χ^2/NDF: 130.6/35

In: 1.648+/-0.348 χ^2/NDF:123.3/34

Out: 1.919+/-0.343 χ^2/NDF:91.4/37

All: 1.785+/-0.244 χ^2/NDF: 215.0/72



Right In: 7.492+/-0.045 χ^2/NDF: 355979.0/16

Left Out: -0.041+/-0.018 χ^2/NDF:76855.6/18

Right Out: 3.504+/-0.046 χ^2/NDF: 510579.4/18

Left In: -0.675+/-0.018 χ^2/NDF:12733.9/17

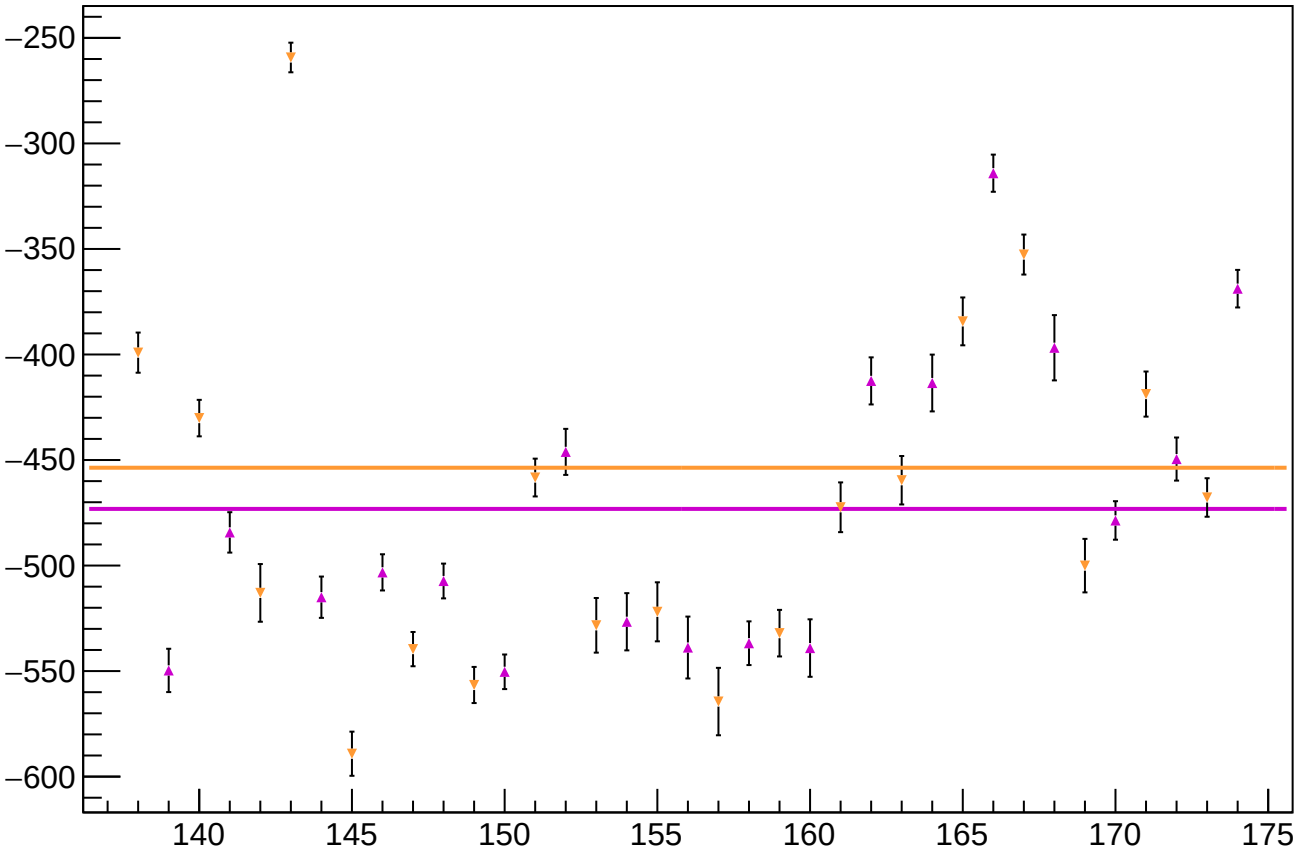
Left: -0.360+/-0.013 χ^2/NDF: 90225.3/36

Right: 5.541+/-0.032 χ^2/NDF: 870462.8/35

In: 0.437+/-0.016 χ^2/NDF:397635.6/34

Out: 0.430+/-0.017 χ^2/NDF:592667.6/37

All: 0.434+/-0.012 χ^2/NDF: 990303.3/72


reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
−250
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−400
−450
−500
−550
−600
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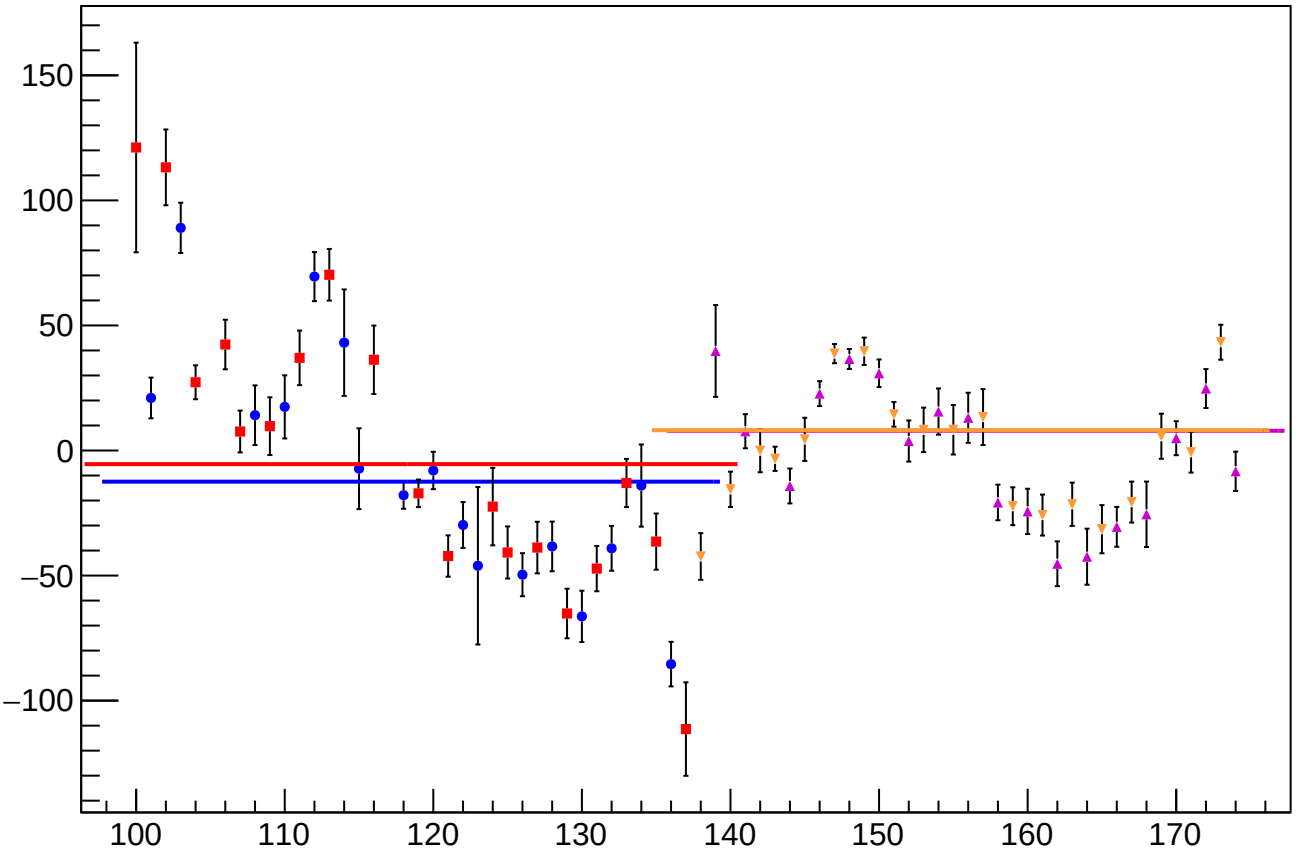
150
155
160
165
170
175
Right In: 0.000+/-0.000 χ²/NDF: 0.0/0
Left Out: -453.651+/-2.329 χ²/NDF:1586.8/18
Right Out: 0.000+/-0.000 χ²/NDF: 0.0/0
Left In: -473.160+/-2.410 χ²/NDF:839.4/17
Left: -463.070+/-1.675 χ²/NDF: 2460.0/36
Right: 0.000+/-0.000 χ²/NDF: 0.0/0
In: -473.160+/-2.410 χ²/NDF:839.4/17
Out: -453.651+/-2.329 χ²/NDF:1586.8/18
All: -463.070+/-1.675 χ²/NDF: 2460.0/36



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: 7.893+/-1.700 χ^2/NDF:215.5/17

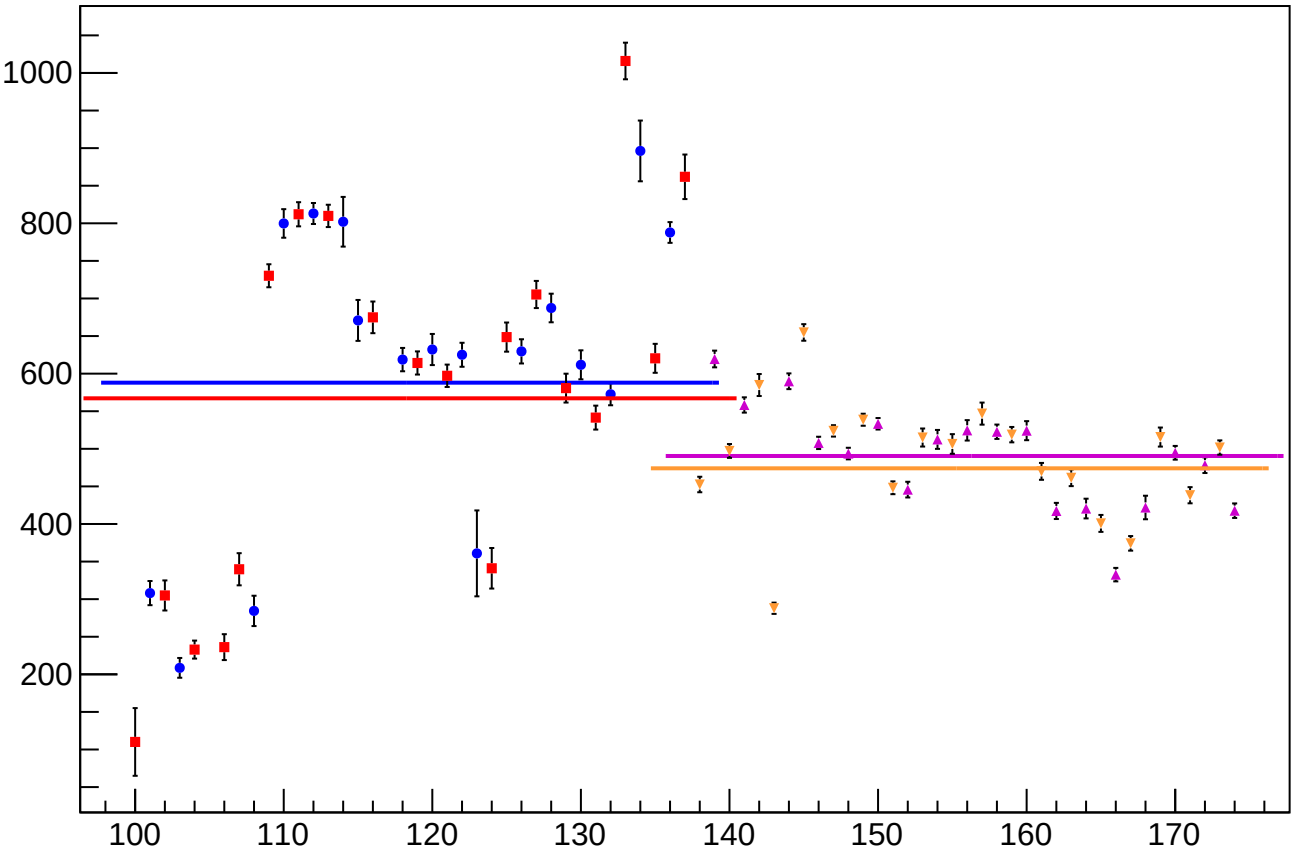
Left: 8.014+/-1.163 χ^2/NDF: 461.8/36

Right: -8.819+/-1.628 χ^2/NDF: 690.7/35

In: 0.897+/-1.377 χ^2/NDF:605.9/34

Out: 3.605+/-1.303 χ^2/NDF:615.3/37

All: 2.326+/-0.946 χ^2/NDF: 1223.2/72



Right In: 587.994+/-4.353 χ^2/NDF: 2129.6/16

Left Out: 474.058+/-2.317 χ^2/NDF:1313.6/18

Right Out: 567.179+/-4.136 χ^2/NDF: 2783.2/18

Left In: 490.467+/-2.380 χ^2/NDF:813.3/17

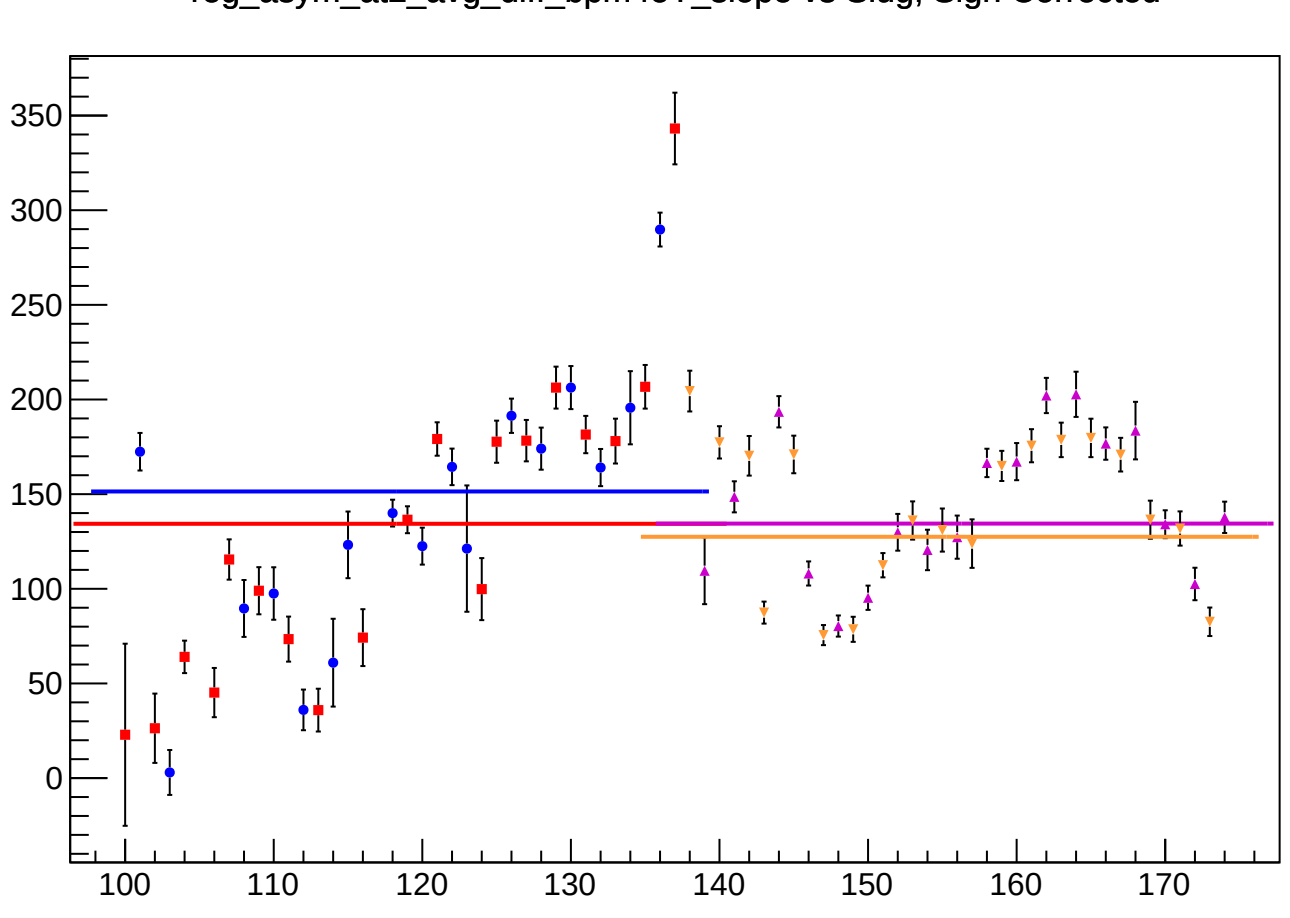
Left: 482.043+/-1.660 χ^2/NDF: 2151.3/36

Right: 577.056+/-2.998 χ^2/NDF: 4924.8/35

In: 512.915+/-2.088 χ^2/NDF:3329.4/34

Out: 496.305+/-2.022 χ^2/NDF:4482.6/37

All: 504.341+/-1.452 χ^2/NDF: 7844.7/72


reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
350
300
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200
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100
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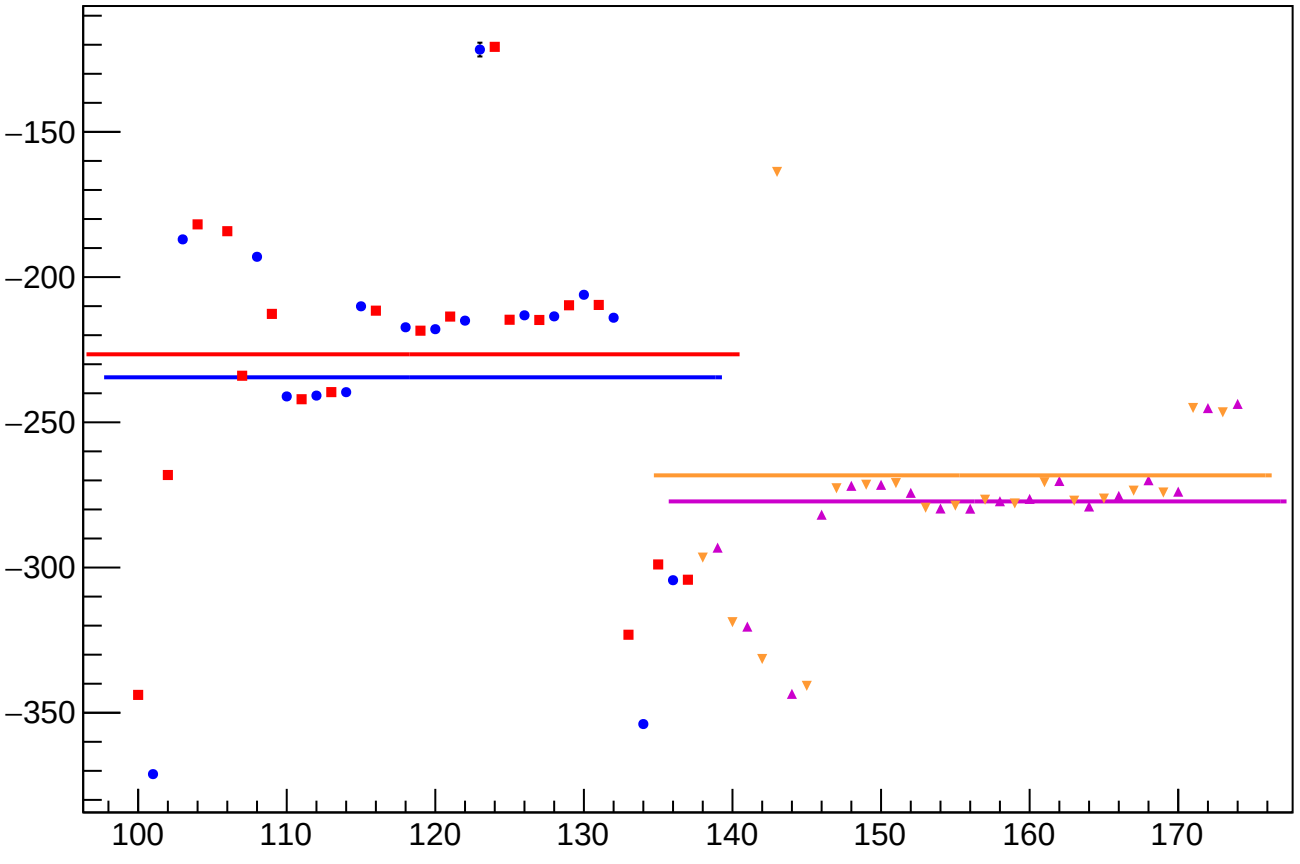
0
100
110
120
130
140
150
160
170
Right In: 151.421+/-2.709 χ²/NDF: 633.3/16
Left Out: 127.478+/-1.888 χ²/NDF:496.2/18
Right Out: 134.346+/-2.616 χ²/NDF: 584.9/18
Left In: 134.449+/-1.992 χ²/NDF:370.6/17
Left: 130.777+/-1.370 χ²/NDF: 873.2/36
Right: 142.583+/-1.882 χ²/NDF: 1238.7/35
In: 140.403+/-1.605 χ²/NDF:1029.4/34
Out: 129.831+/-1.531 χ²/NDF:1085.6/37
All: 134.868+/-1.108 χ²/NDF: 2137.7/72



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: -277.233+/-0.094 χ^2/NDF:51687.8/17

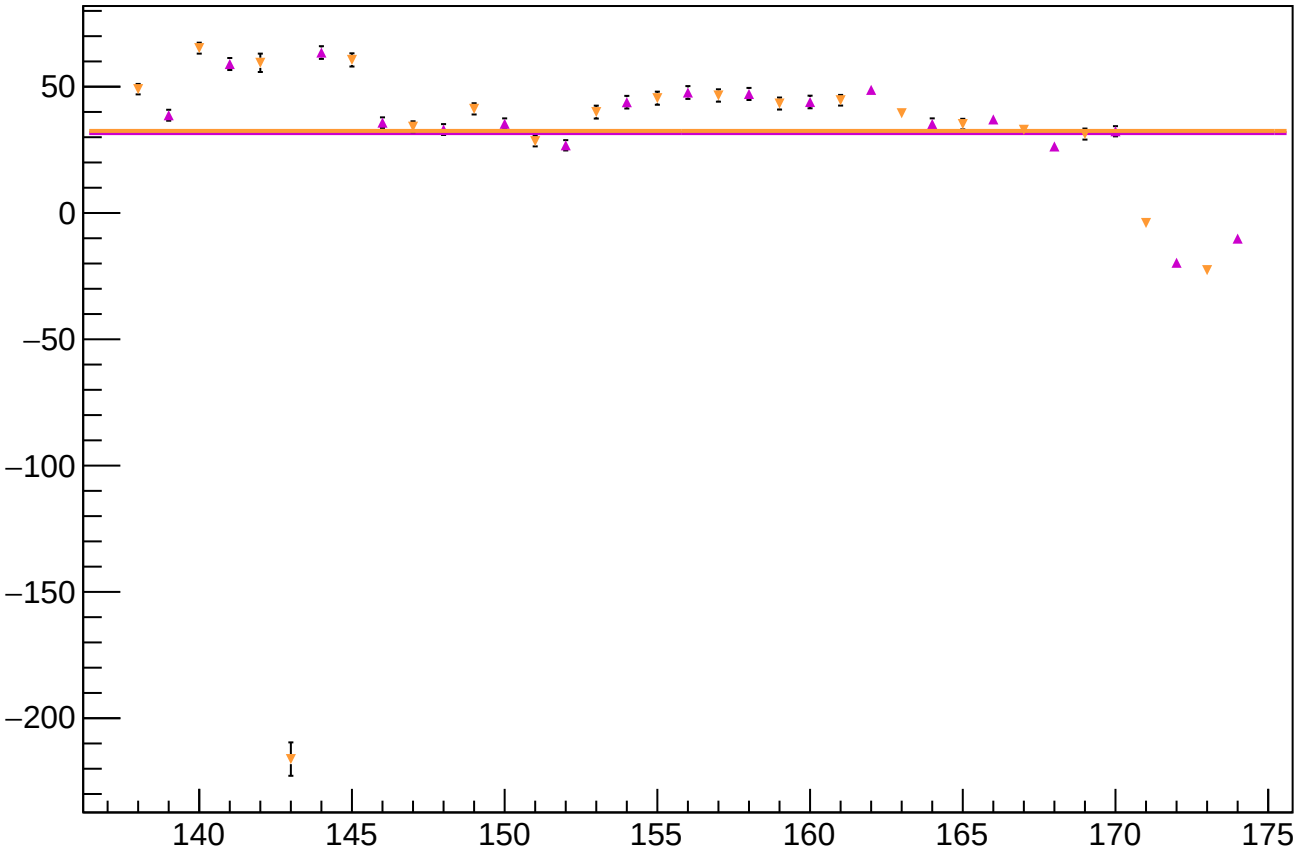
Left: -272.663+/-0.066 χ^2/NDF: 248240.6/36

Right: -230.333+/-0.103 χ^2/NDF: 245501.4/35

In: -265.133+/-0.079 χ^2/NDF:255671.7/34

Out: -255.876+/-0.077 χ^2/NDF:351906.2/37

All: -260.373+/-0.055 χ^2/NDF: 614585.3/72



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

Left Out: 32.496+/-0.516 χ^2/NDF:3206.5/18

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

Left In: 31.629+/-0.502 χ^2/NDF:1795.3/17

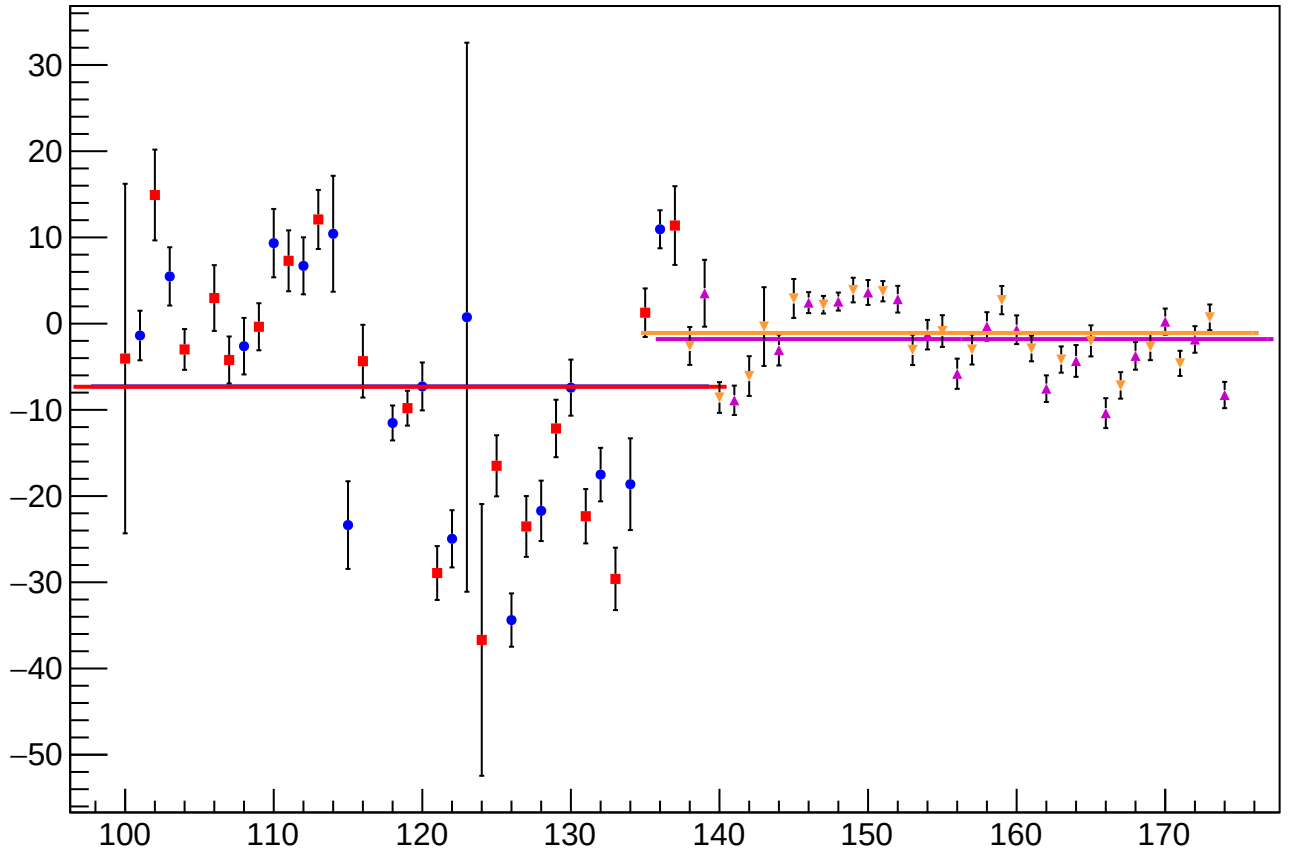
Left: 32.051+/-0.360 χ^2/NDF: 5003.2/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 31.629+/-0.502 χ^2/NDF:1795.3/17

Out: 32.496+/-0.516 χ^2/NDF:3206.5/18

All: 32.051+/-0.360 χ^2/NDF: 5003.2/36



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: -1.795+/-0.369 χ^2/NDF:140.3/17

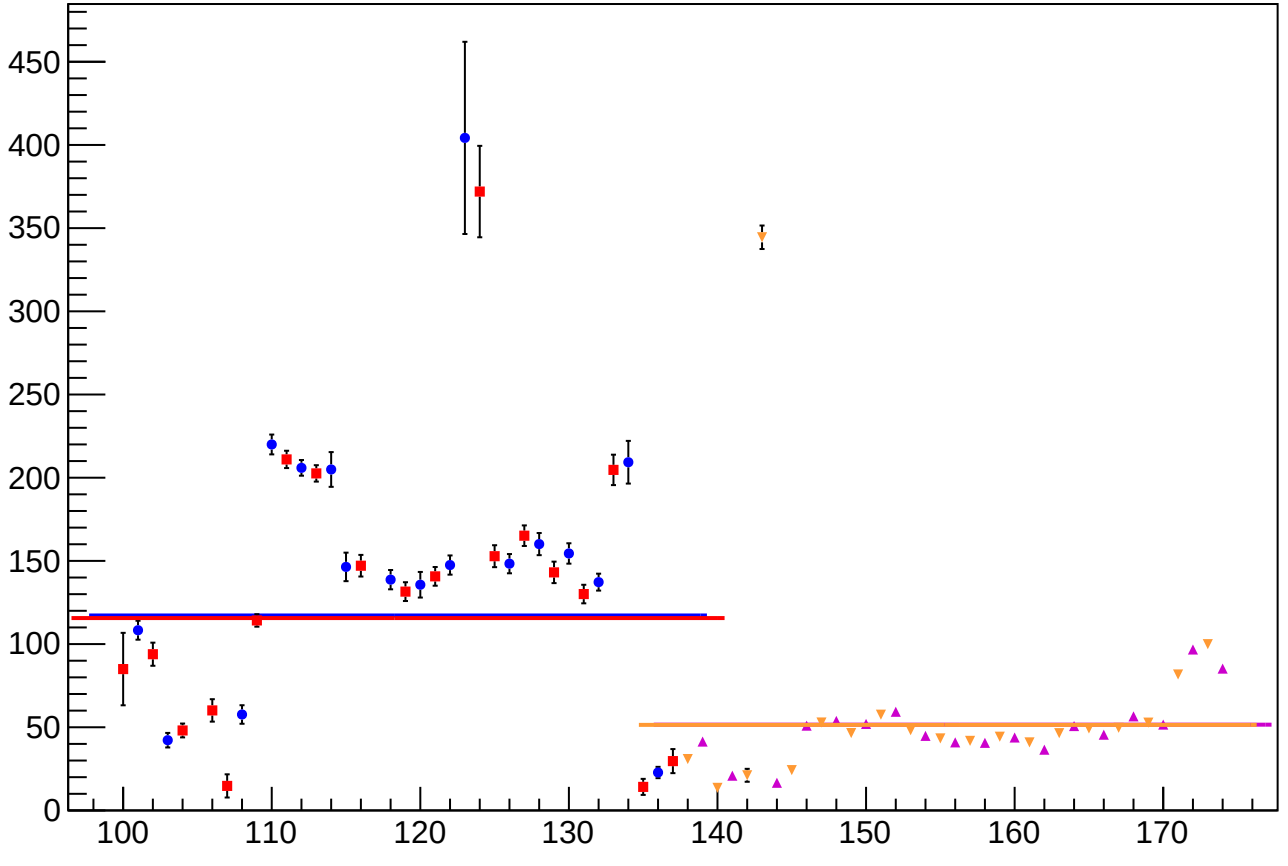
Left: -1.436+/-0.261 χ^2/NDF: 245.3/36

Right: -7.304+/-0.548 χ^2/NDF: 538.5/35

In: -2.783+/-0.335 χ^2/NDF:463.3/34

Out: -2.263+/-0.331 χ^2/NDF:412.9/37

All: -2.520+/-0.235 χ^2/NDF: 877.4/72



Right In: 117.187+/-1.416 χ^2/NDF: 2161.0/16

Left Out: 51.438+/-0.509 χ^2/NDF:3157.4/18

Right Out: 115.632+/-1.361 χ^2/NDF: 2137.6/18

Left In: 51.559+/-0.497 χ^2/NDF:1314.9/17

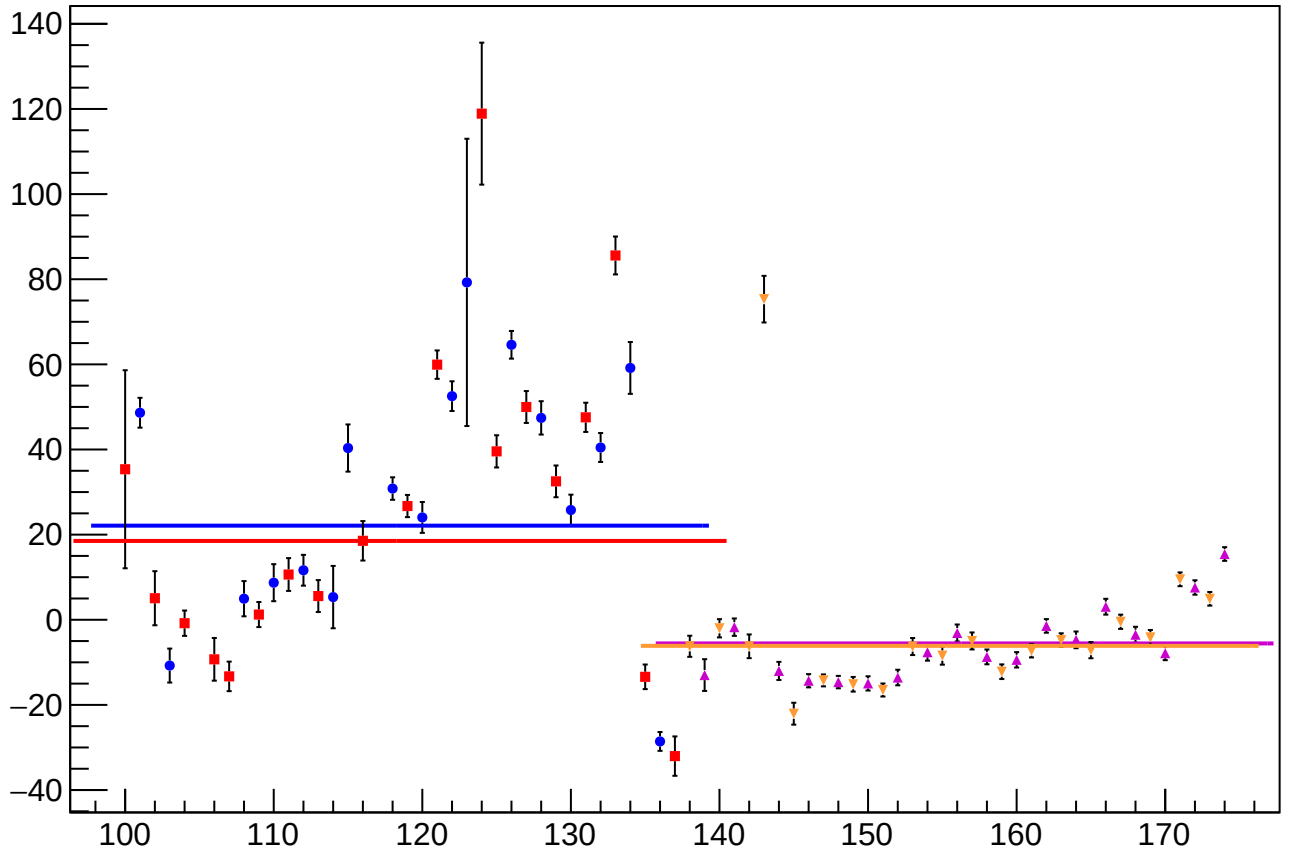
Left: 51.500+/-0.355 χ^2/NDF: 4472.4/36

Right: 116.378+/-0.981 χ^2/NDF: 4299.2/35

In: 58.743+/-0.469 χ^2/NDF:5387.9/34

Out: 59.304+/-0.476 χ^2/NDF:7247.0/37

All: 59.019+/-0.334 χ^2/NDF: 12635.7/72



Right In: 22.110+/-0.898 χ^2/NDF: 1070.3/16

Left Out: -6.125+/-0.425 χ^2/NDF:538.8/18

Right Out: 18.521+/-0.871 χ^2/NDF: 1068.6/18

Left In: -5.562+/-0.425 χ^2/NDF:410.6/17

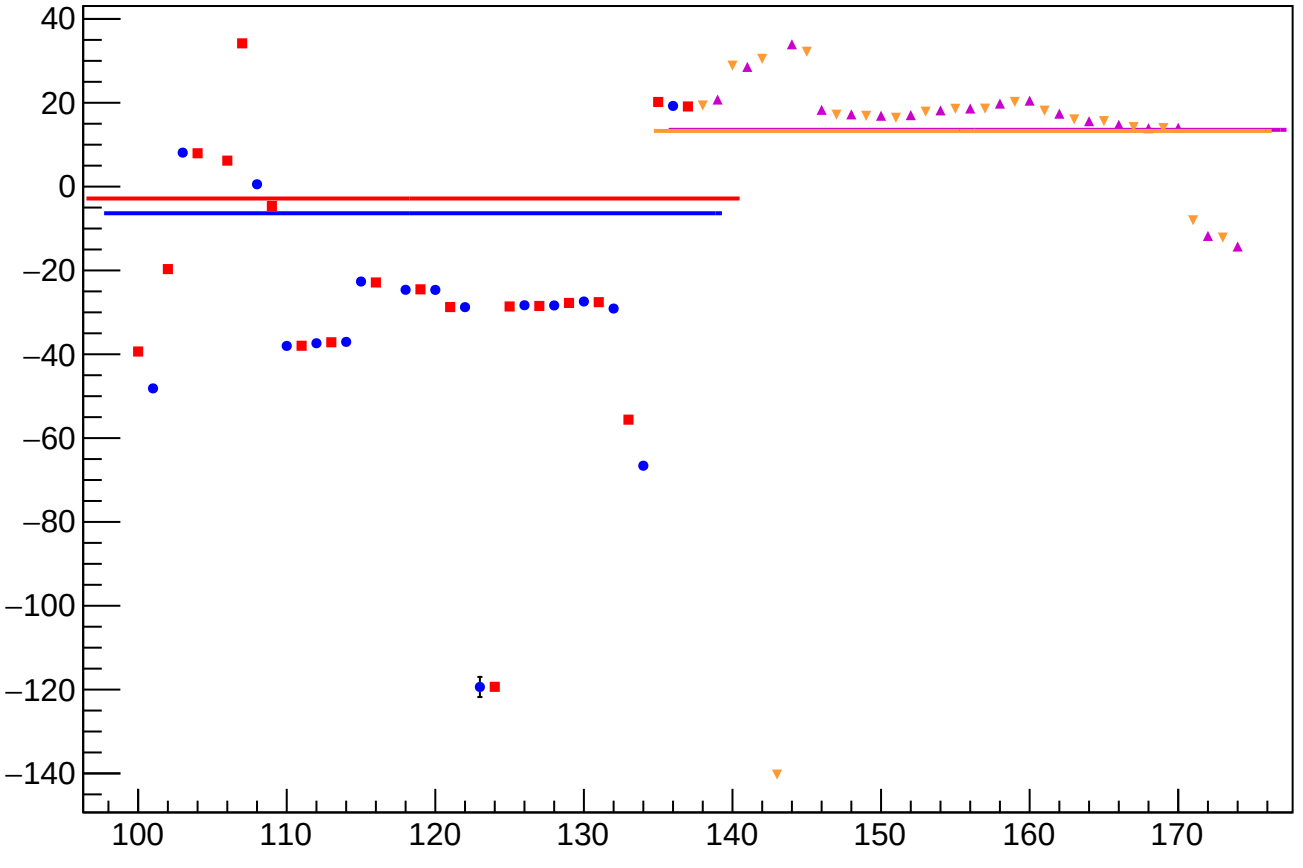
Left: -5.843+/-0.300 χ^2/NDF: 950.2/36

Right: 20.261+/-0.625 χ^2/NDF: 2147.1/35

In: -0.507+/-0.384 χ^2/NDF:2256.7/34

Out: -1.388+/-0.382 χ^2/NDF:2253.9/37

All: -0.950+/-0.271 χ^2/NDF: 4513.2/72



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: 13.548+/-0.019 χ^2/NDF:382594.4/17

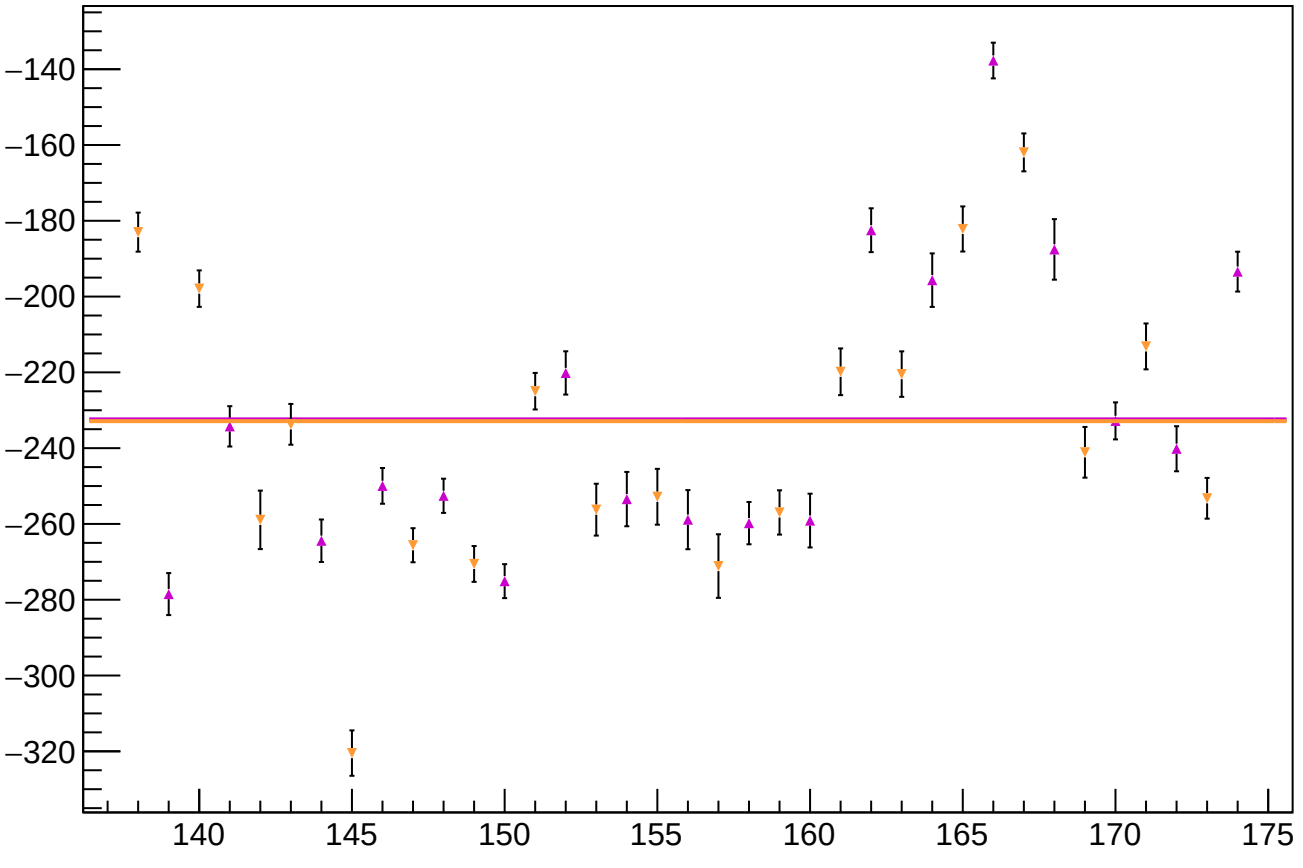
Left: 13.418+/-0.014 χ^2/NDF: 999927.3/36

Right: -4.577+/-0.033 χ^2/NDF: 533252.4/35

In: 10.625+/-0.018 χ^2/NDF:804993.7/34

Out: 10.765+/-0.018 χ^2/NDF:987569.7/37

All: 10.694+/-0.013 χ^2/NDF: 1792593.5/72



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: -232.406+/-1.314 χ^2/NDF:882.6/17

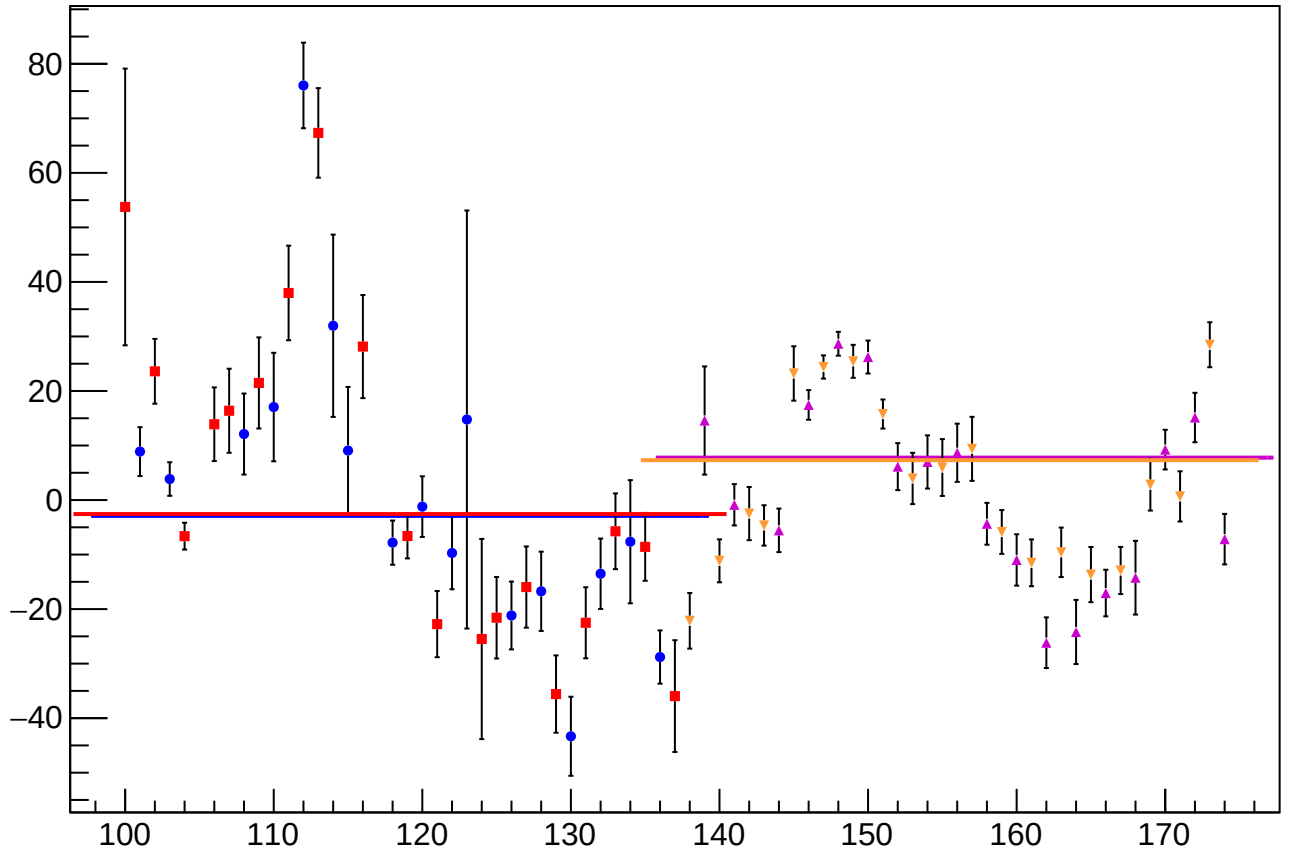
Left: -232.642+/-0.926 χ^2/NDF: 1739.1/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -232.406+/-1.314 χ^2/NDF:882.6/17

Out: -232.874+/-1.305 χ^2/NDF:856.4/18

All: -232.642+/-0.926 χ^2/NDF: 1739.1/36


reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
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−20
−40
100
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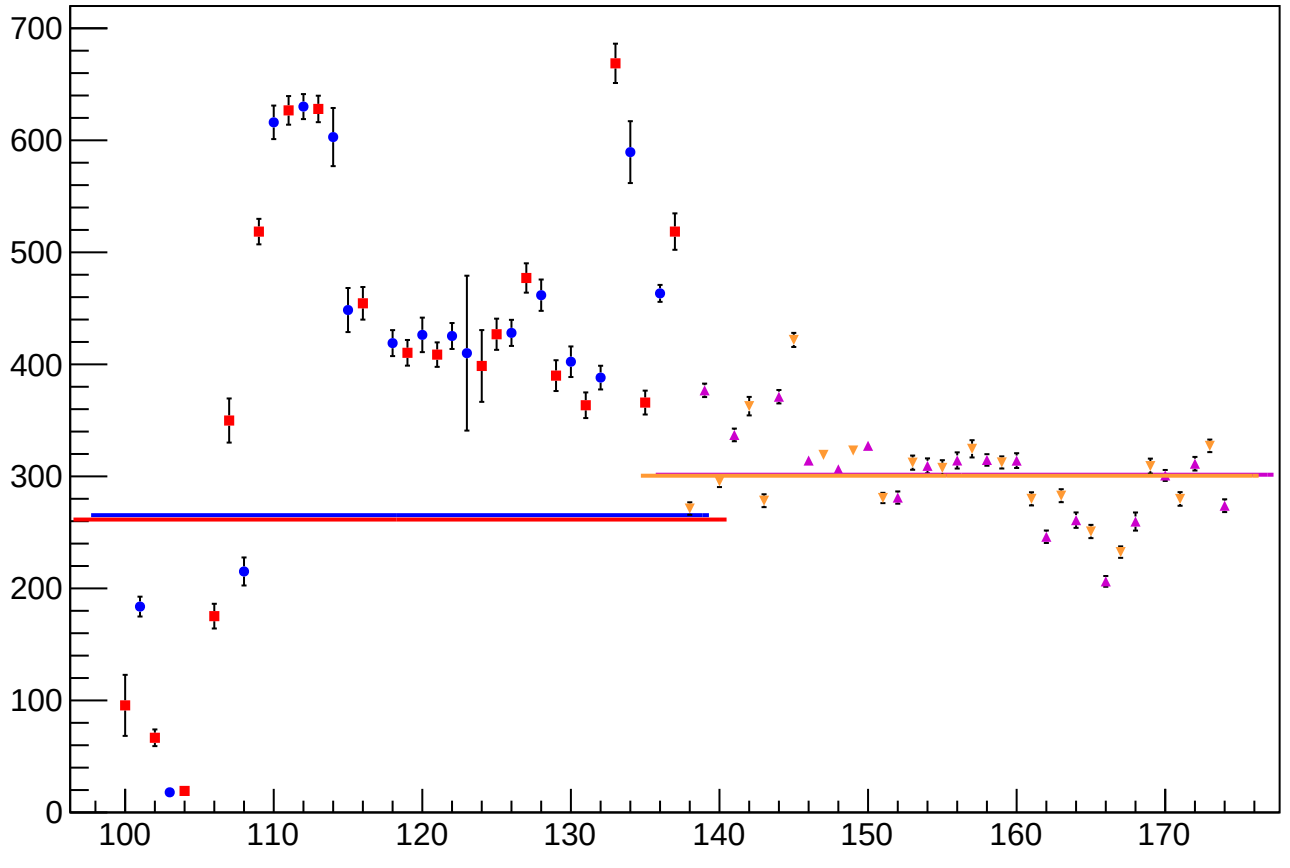
120
130
140
150
160
170
Right In: -2.901+/-1.467 χ²/NDF: 203.6/16
Left Out: 7.311+/-0.896 χ²/NDF:303.2/18
Right Out: -2.570+/-1.396 χ²/NDF: 218.2/18
Left In: 7.776+/-0.927 χ²/NDF:324.6/17
Left: 7.536+/-0.644 χ²/NDF: 628.0/36
Right: -2.728+/-1.011 χ²/NDF: 421.8/35
In: 4.728+/-0.784 χ²/NDF:566.1/34
Out: 4.432+/-0.754 χ²/NDF:556.9/37
All: 4.574+/-0.543 χ²/NDF: 1123.1/72



Right In: 265.369+/-2.488 χ^2/NDF: 7633.8/16

Left Out: 300.605+/-1.292 χ^2/NDF:859.9/18

Right Out: 261.465+/-2.458 χ^2/NDF: 8204.3/18

Left In: 301.484+/-1.295 χ^2/NDF:986.9/17

Left: 301.044+/-0.915 χ^2/NDF: 1847.0/36

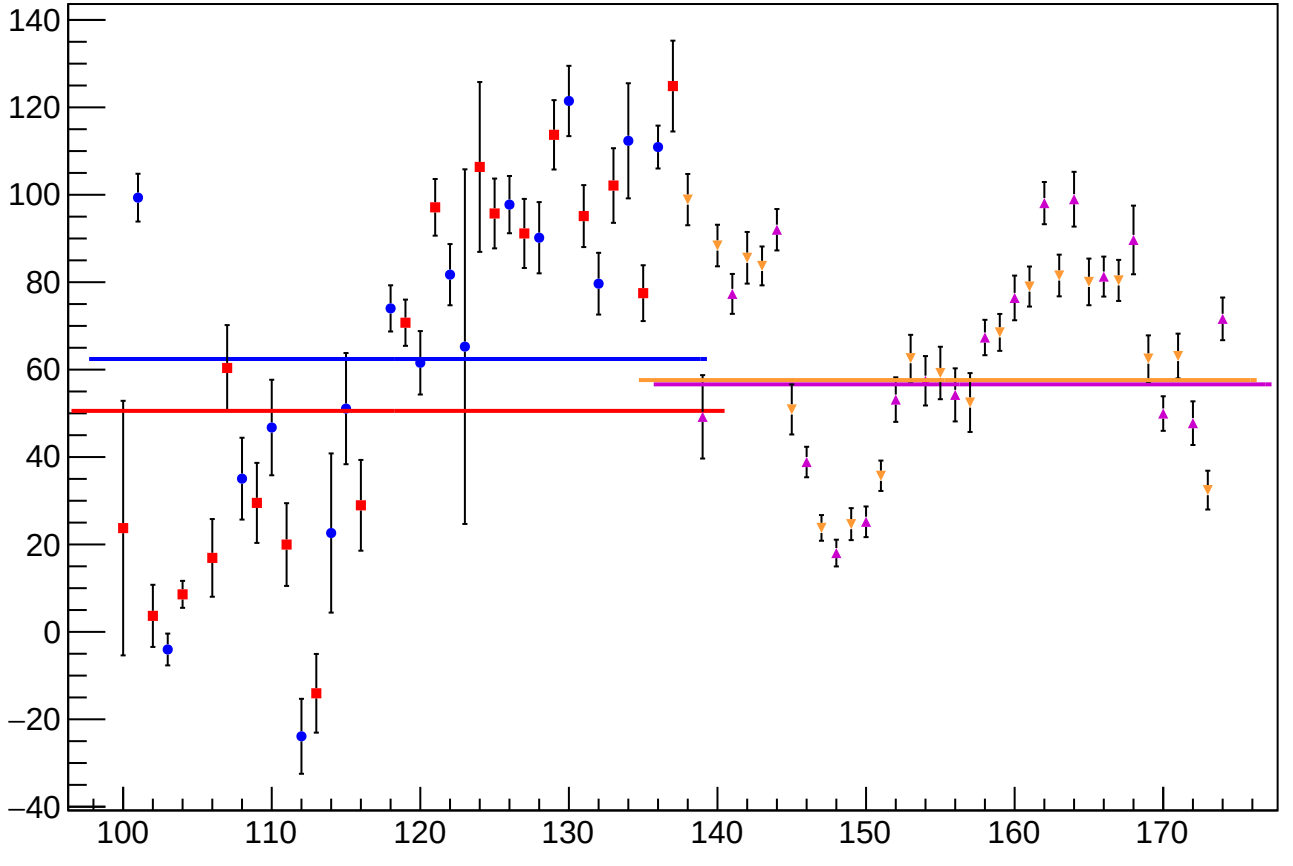
Right: 263.393+/-1.749 χ^2/NDF: 15839.3/35

In: 293.784+/-1.149 χ^2/NDF:8786.5/34

Out: 292.131+/-1.144 χ^2/NDF:9262.9/37

All: 292.954+/-0.811 χ^2/NDF: 18050.4/72

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: 56.633+/-1.086 χ^2/NDF:546.7/17

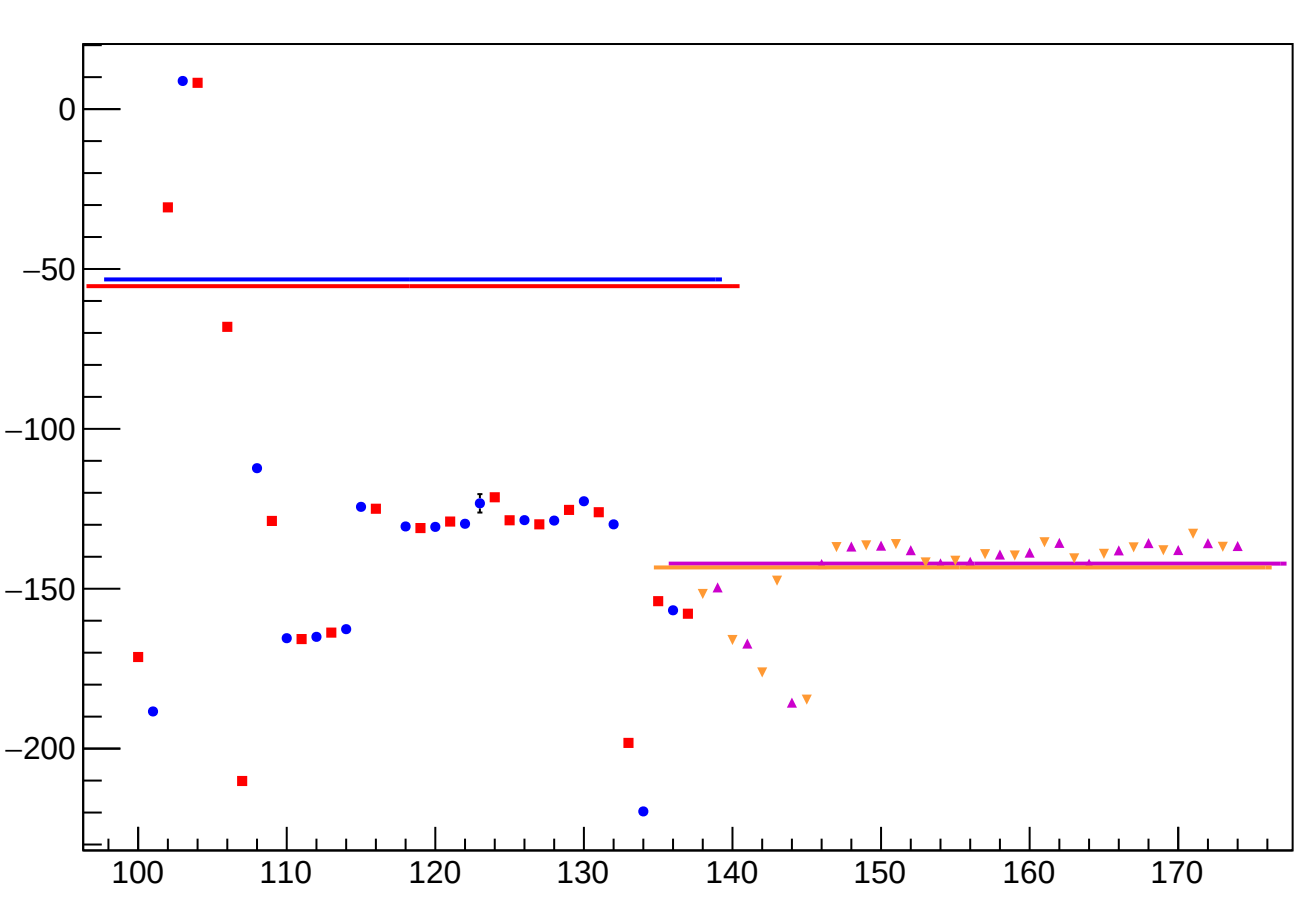
Left: 57.134+/-0.758 χ^2/NDF: 1081.0/36

Right: 56.313+/-1.179 χ^2/NDF: 1404.5/35

In: 58.322+/-0.914 χ^2/NDF:1276.8/34

Out: 55.542+/-0.889 χ^2/NDF:1204.2/37

All: 56.894+/-0.637 χ^2/NDF: 2485.7/72



Right In: -53.264+/-0.070 χ^2/NDF: 1225492.9/16

Left Out: -143.346+/-0.051 χ^2/NDF:60361.6/18

Right Out: -55.373+/-0.072 χ^2/NDF: 967027.2/18

Left In: -142.149+/-0.051 χ^2/NDF:47088.4/17

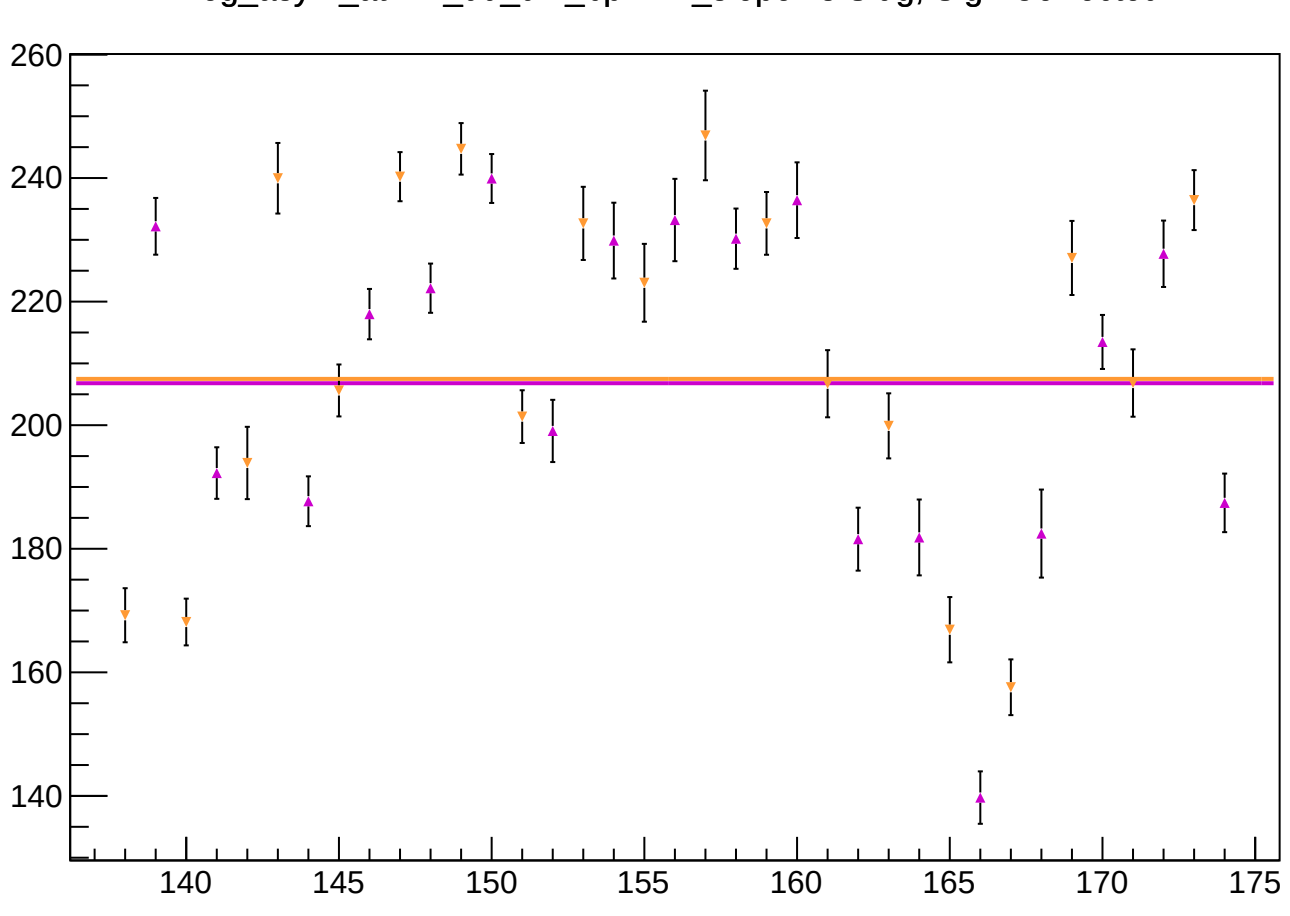
Left: -142.745+/-0.036 χ^2/NDF: 107724.6/36

Right: -54.295+/-0.050 χ^2/NDF: 2192958.9/35

In: -111.601+/-0.041 χ^2/NDF:2318473.4/34

Out: -113.791+/-0.042 χ^2/NDF:2020109.9/37

All: -112.684+/-0.029 χ^2/NDF: 4339975.9/72



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: 206.792+/-1.130 χ^2/NDF:573.1/17

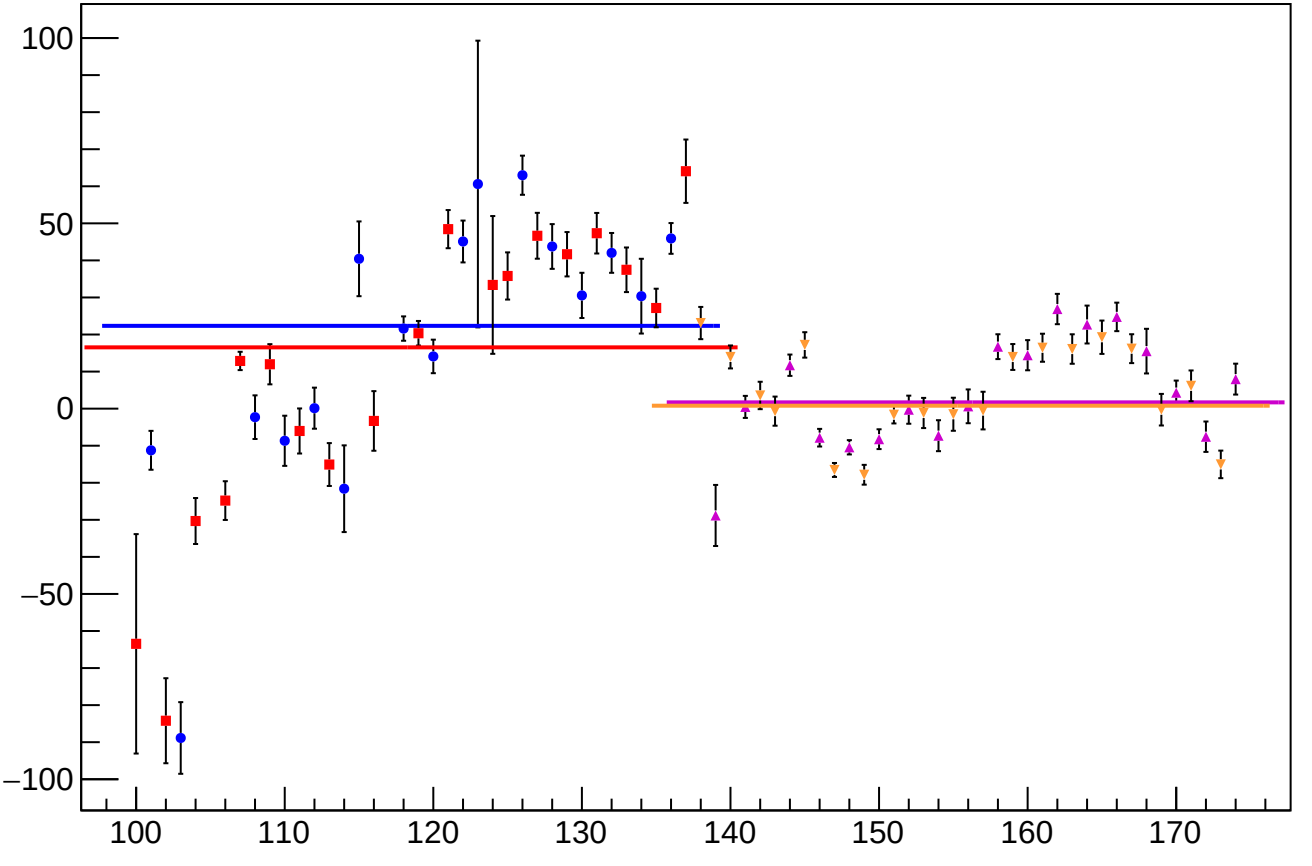
Left: 207.144+/-0.799 χ^2/NDF: 1253.5/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 206.792+/-1.130 χ^2/NDF:573.1/17

Out: 207.495+/-1.129 χ^2/NDF:680.2/18

All: 207.144+/-0.799 χ^2/NDF: 1253.5/36



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: 1.694+/-0.800 χ^2/NDF:234.2/17

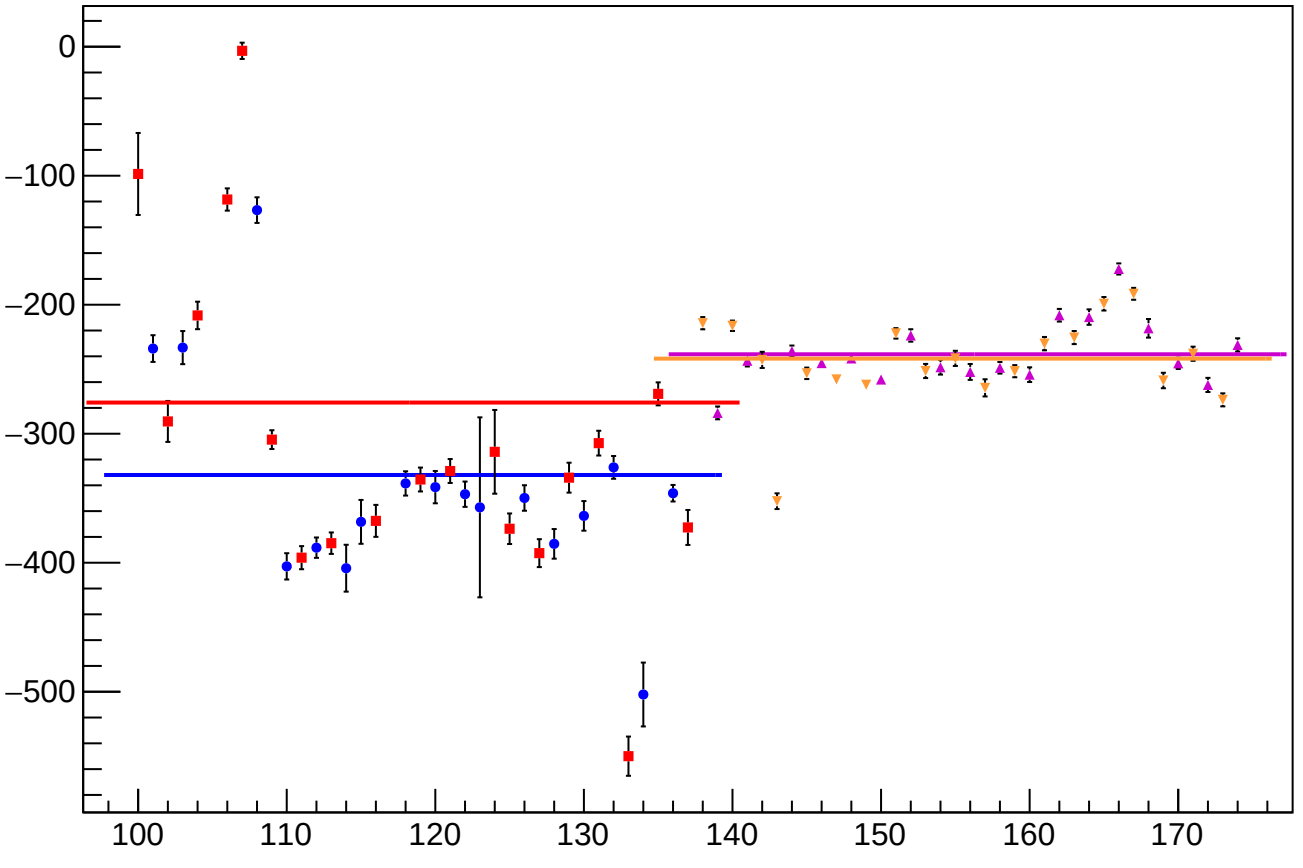
Left: 1.232+/-0.558 χ^2/NDF: 536.1/36

Right: 19.069+/-0.922 χ^2/NDF: 822.2/35

In: 6.803+/-0.694 χ^2/NDF:784.9/34

Out: 5.317+/-0.658 χ^2/NDF:845.1/37

All: 6.020+/-0.477 χ^2/NDF: 1632.4/72



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: -238.419+/-1.117 χ^2/NDF:473.9/17

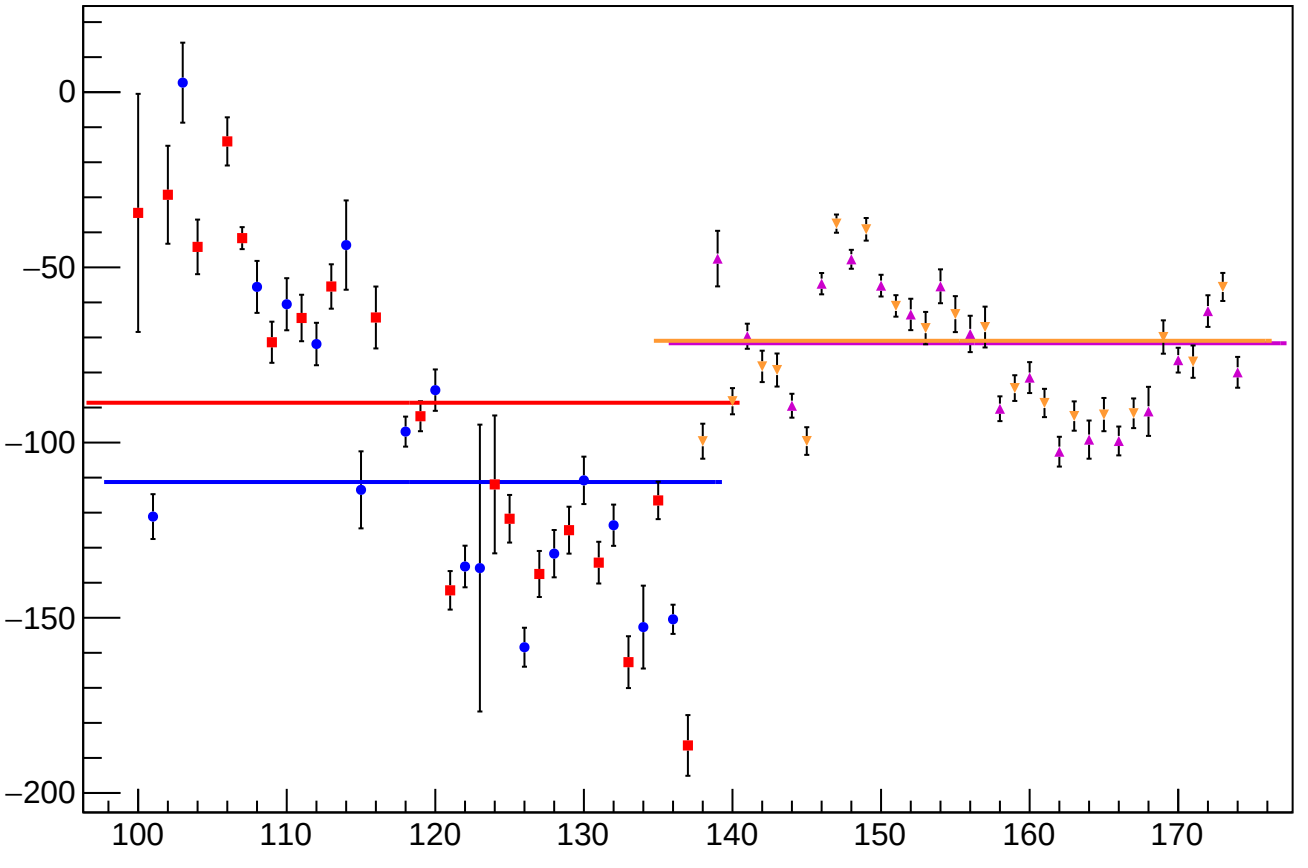
Left: -240.097+/-0.791 χ^2/NDF: 1222.8/36

Right: -300.997+/-1.727 χ^2/NDF: 4408.6/35

In: -253.191+/-1.025 χ^2/NDF:2366.3/34

Out: -248.202+/-1.009 χ^2/NDF:4280.9/37

All: -250.657+/-0.719 χ^2/NDF: 6659.2/72



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: -71.654+/-0.937 χ^2/NDF:364.4/17

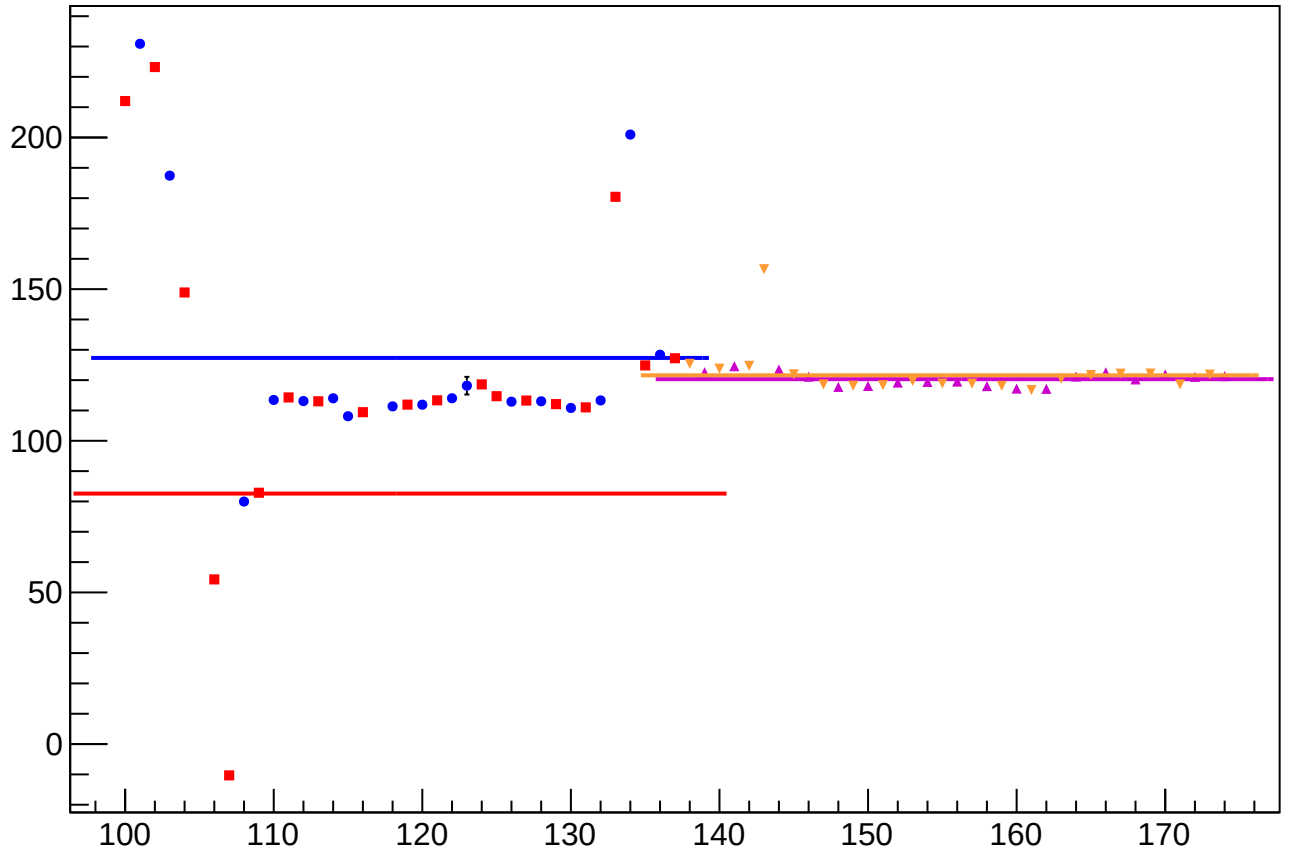
Left: -71.297+/-0.656 χ^2/NDF: 873.1/36

Right: -98.723+/-1.067 χ^2/NDF: 1591.7/35

In: -81.792+/-0.808 χ^2/NDF:1331.4/34

Out: -76.111+/-0.774 χ^2/NDF:1587.2/37

All: -78.829+/-0.559 χ^2/NDF: 2944.3/72



Right In: 127.323+/-0.089 χ^2/NDF: 187776.4/16

Left Out: 121.598+/-0.044 χ^2/NDF:23934.8/18

Right Out: 82.595+/-0.075 χ^2/NDF: 765022.5/18

Left In: 120.322+/-0.044 χ^2/NDF:2562.5/17

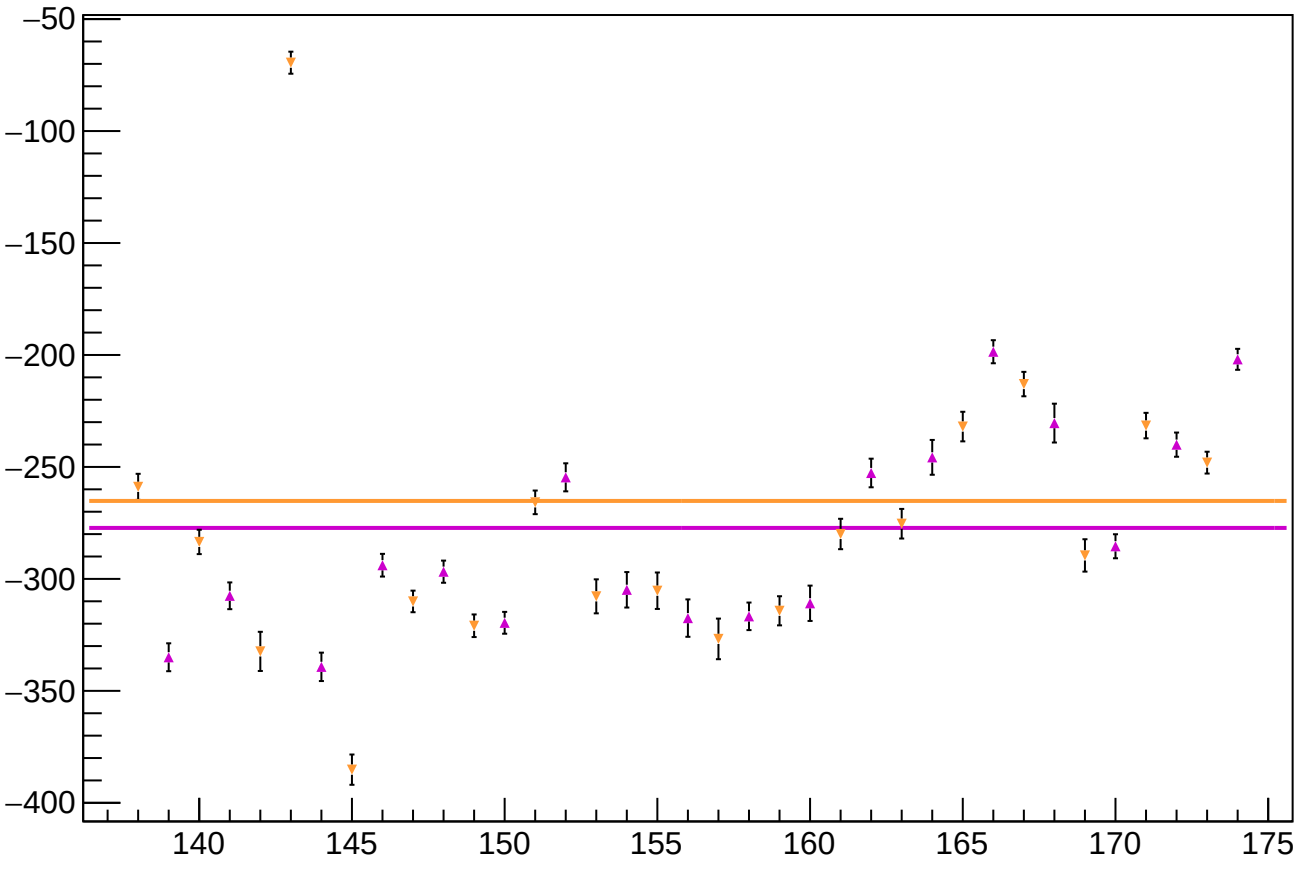
Left: 120.955+/-0.031 χ^2/NDF: 26914.3/36

Right: 101.169+/-0.058 χ^2/NDF: 1099026.8/35

In: 121.687+/-0.039 χ^2/NDF:195271.0/34

Out: 111.558+/-0.038 χ^2/NDF:987797.0/37

All: 116.460+/-0.027 χ^2/NDF: 1217017.7/72



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: -277.233+/-1.407 χ^2/NDF:1018.7/17

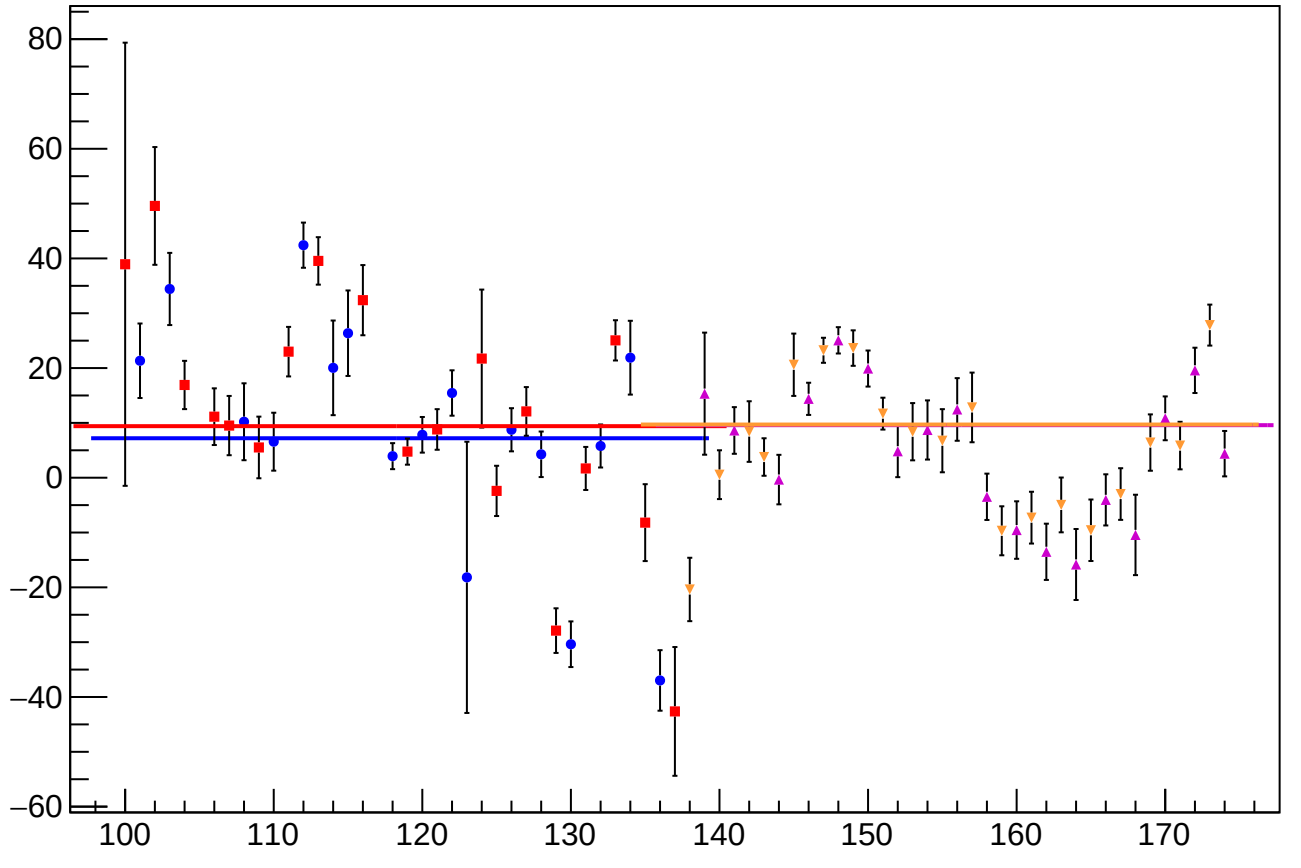
Left: -271.124+/-0.988 χ^2/NDF: 3572.3/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -277.233+/-1.407 χ^2/NDF:1018.7/17

Out: -265.181+/-1.388 χ^2/NDF:2516.4/18

All: -271.124+/-0.988 χ^2/NDF: 3572.3/36



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: 9.582+/-0.999 χ^2/NDF:142.6/17

Left: 9.643+/-0.689 χ^2/NDF: 319.6/36

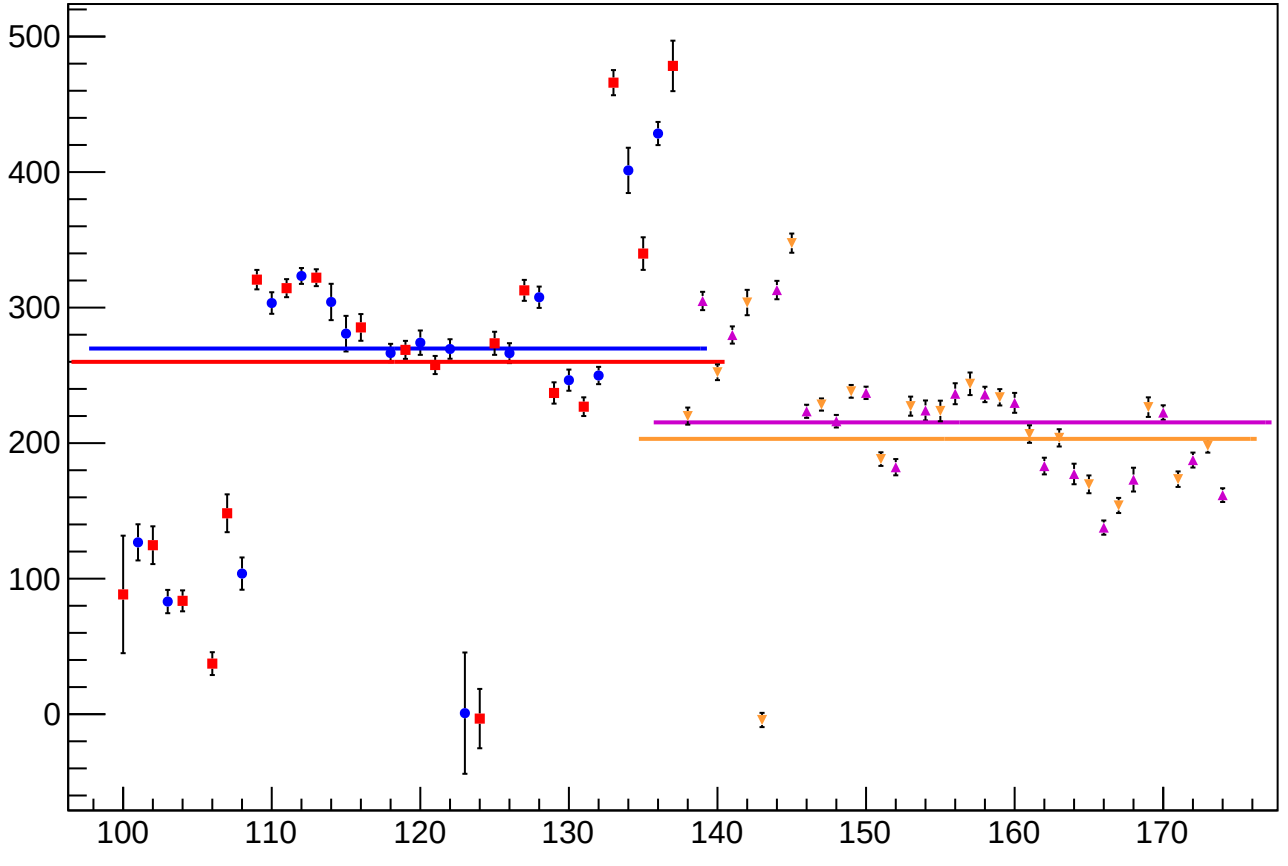
Right: 8.333+/-0.768 χ^2/NDF: 495.1/35

In: 8.508+/-0.740 χ^2/NDF:406.0/34

Out: 9.568+/-0.712 χ^2/NDF:409.2/37

All: 9.059+/-0.513 χ^2/NDF: 816.3/72

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.806+/-2.089 χ^2/NDF: 1374.1/16

Left Out: 203.151+/-1.376 χ^2/NDF:2474.8/18

Right Out: 259.980+/-1.977 χ^2/NDF: 2538.6/18

Left In: 215.312+/-1.390 χ^2/NDF:1001.2/17

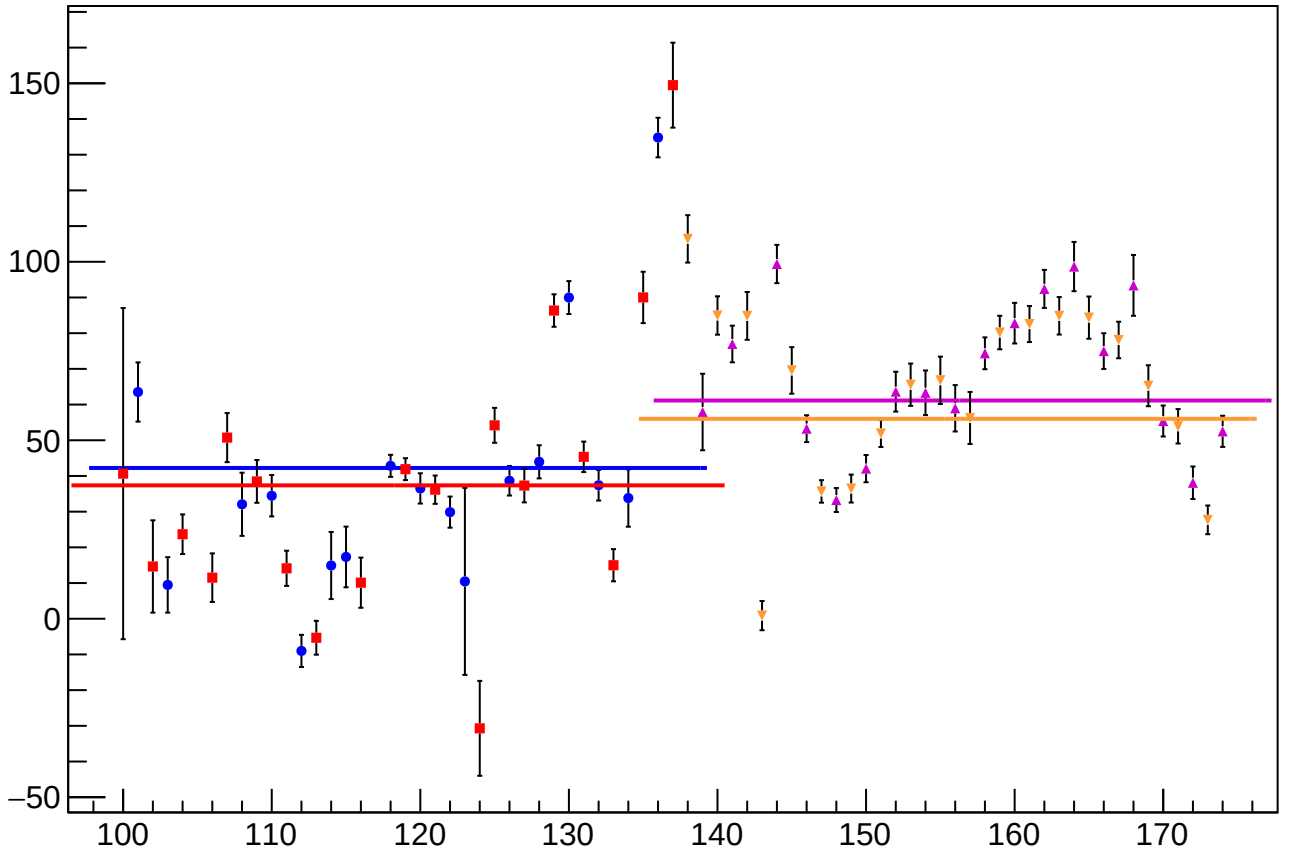
Left: 209.170+/-0.978 χ^2/NDF: 3514.7/36

Right: 264.622+/-1.436 χ^2/NDF: 3924.4/35

In: 232.037+/-1.157 χ^2/NDF:2846.9/34

Out: 221.702+/-1.129 χ^2/NDF:5570.1/37

All: 226.743+/-0.808 χ^2/NDF: 8457.8/72



Right In: 42.242+/-1.274 χ^2/NDF: 574.4/16

Left Out: 56.008+/-1.124 χ^2/NDF:542.5/18

Right Out: 37.367+/-1.235 χ^2/NDF: 472.3/18

Left In: 61.138+/-1.166 χ^2/NDF:299.9/17

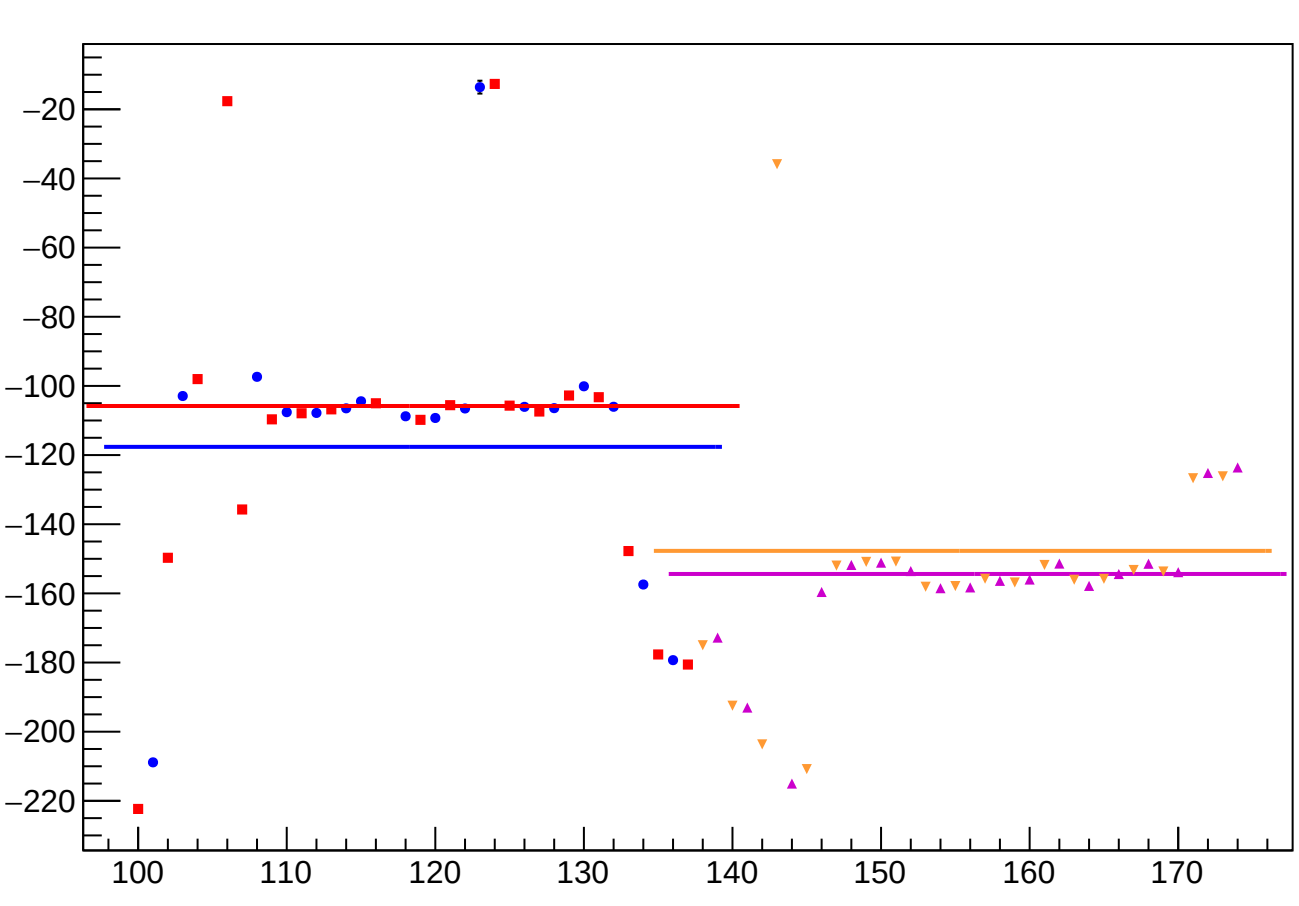
Left: 58.480+/-0.809 χ^2/NDF: 852.5/36

Right: 39.728+/-0.886 χ^2/NDF: 1054.2/35

In: 52.525+/-0.860 χ^2/NDF:994.1/34

Out: 47.560+/-0.831 χ^2/NDF:1139.5/37

All: 49.958+/-0.598 χ^2/NDF: 2150.8/72



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: -154.386+/-0.054 χ^2/NDF:122335.6/17

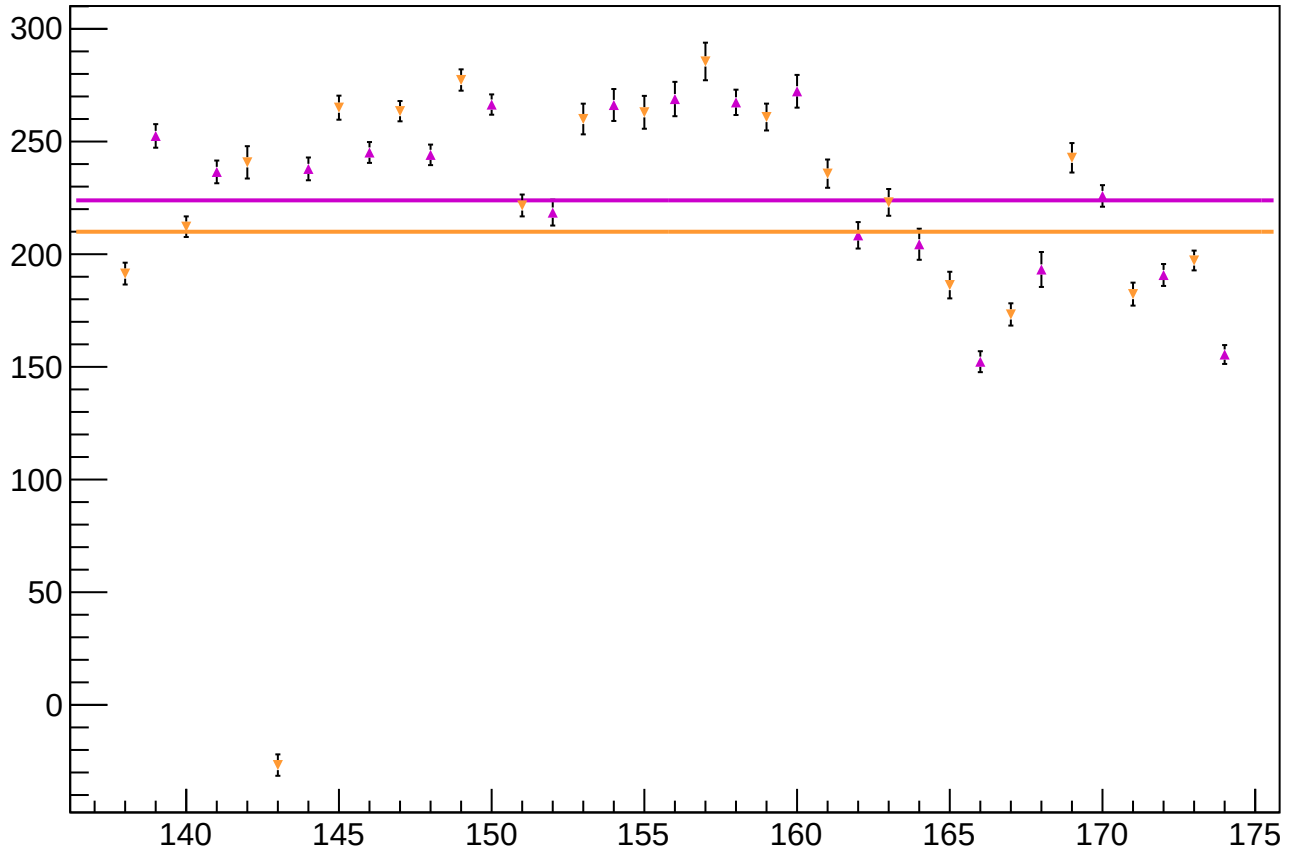
Left: -151.036+/-0.038 χ^2/NDF: 563034.7/36

Right: -111.270+/-0.053 χ^2/NDF: 477157.6/35

In: -142.441+/-0.045 χ^2/NDF:412146.9/34

Out: -132.724+/-0.044 χ^2/NDF:968982.9/37

All: -137.448+/-0.031 χ^2/NDF: 1405345.3/72



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

Left Out: 209.974+/-1.244 χ^2/NDF:3385.5/18

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

Left In: 223.893+/-1.257 χ^2/NDF:930.1/17

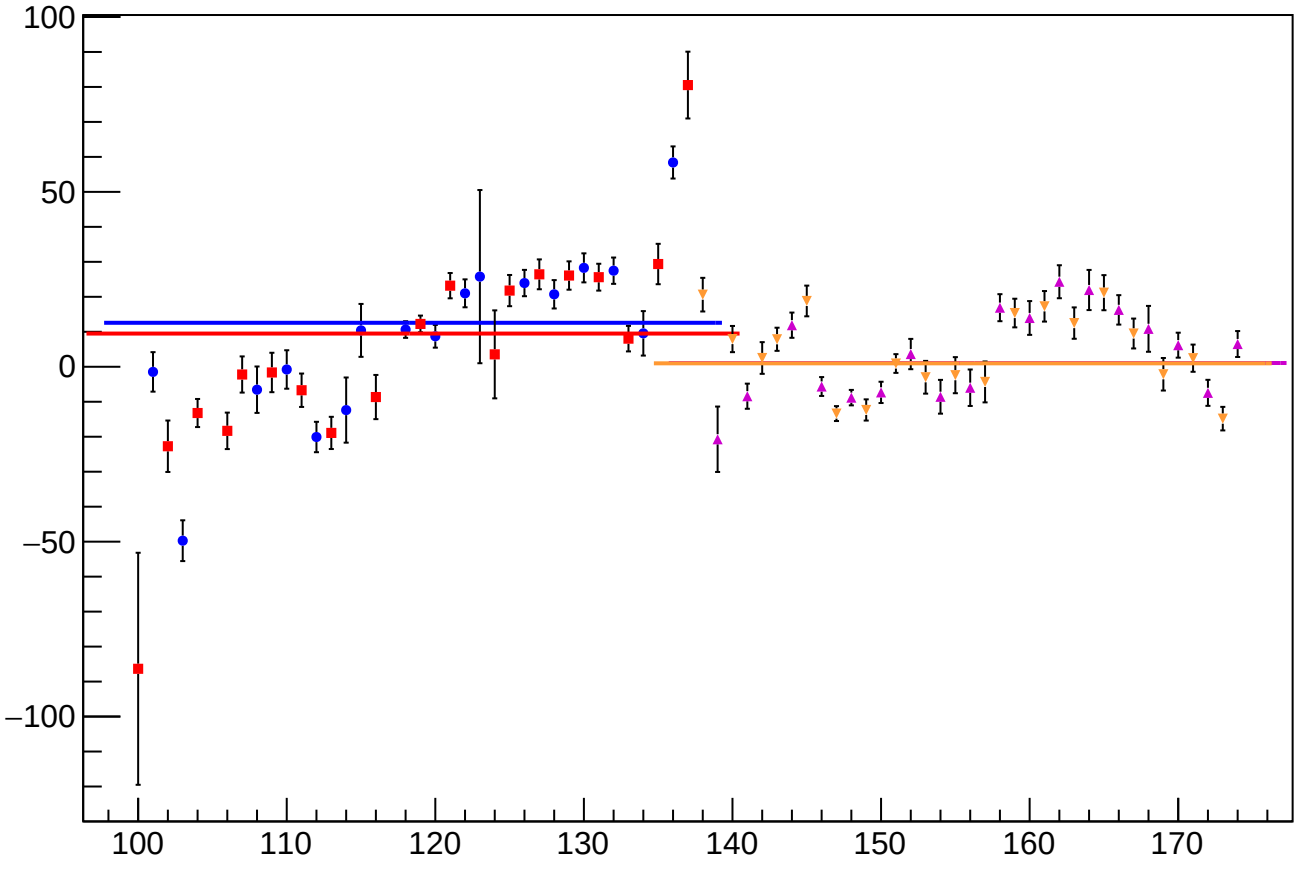
Left: 216.863+/-0.884 χ^2/NDF: 4377.5/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 223.893+/-1.257 χ^2/NDF:930.1/17

Out: 209.974+/-1.244 χ^2/NDF:3385.5/18

All: 216.863+/-0.884 χ^2/NDF: 4377.5/36



Right In: 12.574+/-1.074 χ^2/NDF: 348.0/16

Left Out: 0.984+/-0.862 χ^2/NDF:183.4/18

Right Out: 9.493+/-1.047 χ^2/NDF: 295.8/18

Left In: 1.077+/-0.899 χ^2/NDF:147.5/17

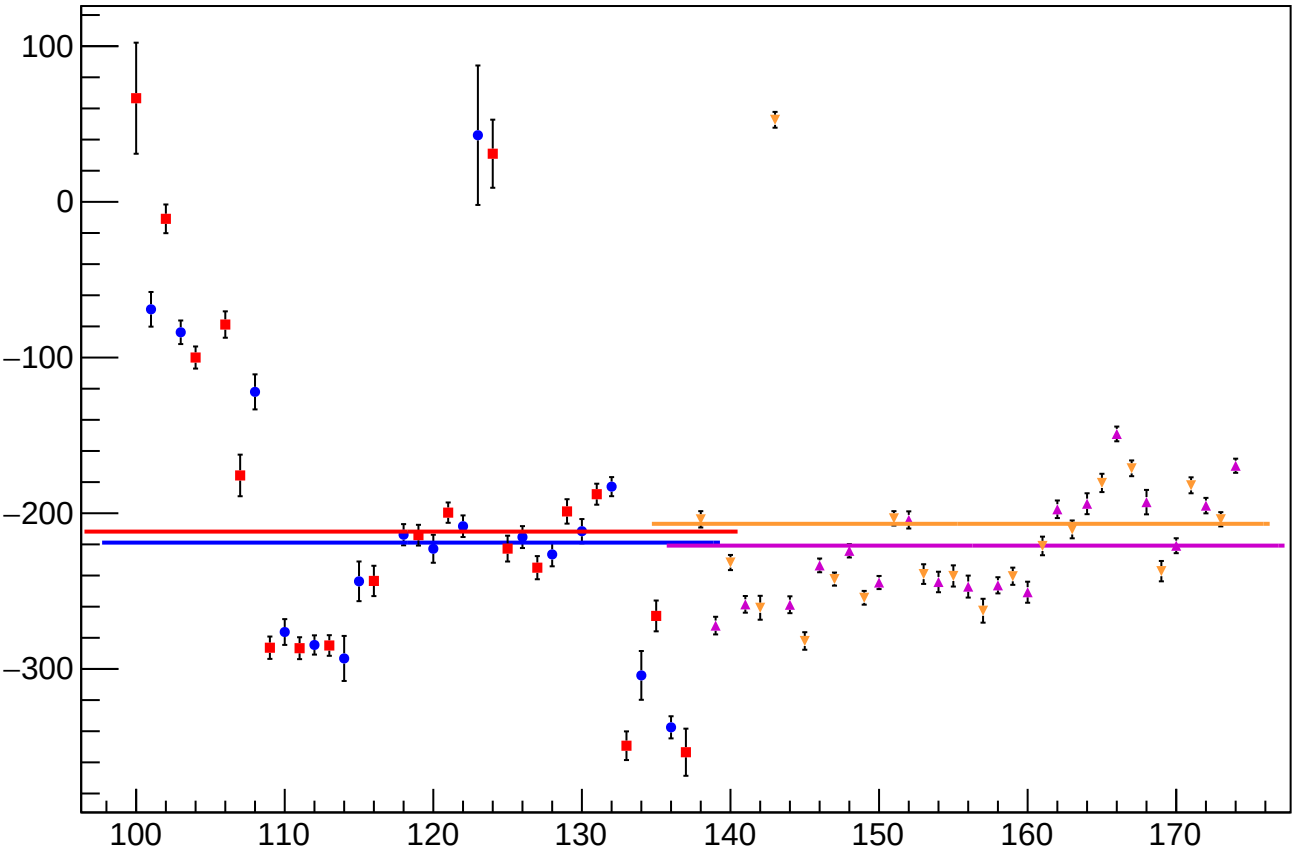
Left: 1.029+/-0.622 χ^2/NDF: 331.0/36

Right: 10.995+/-0.750 χ^2/NDF: 648.0/35

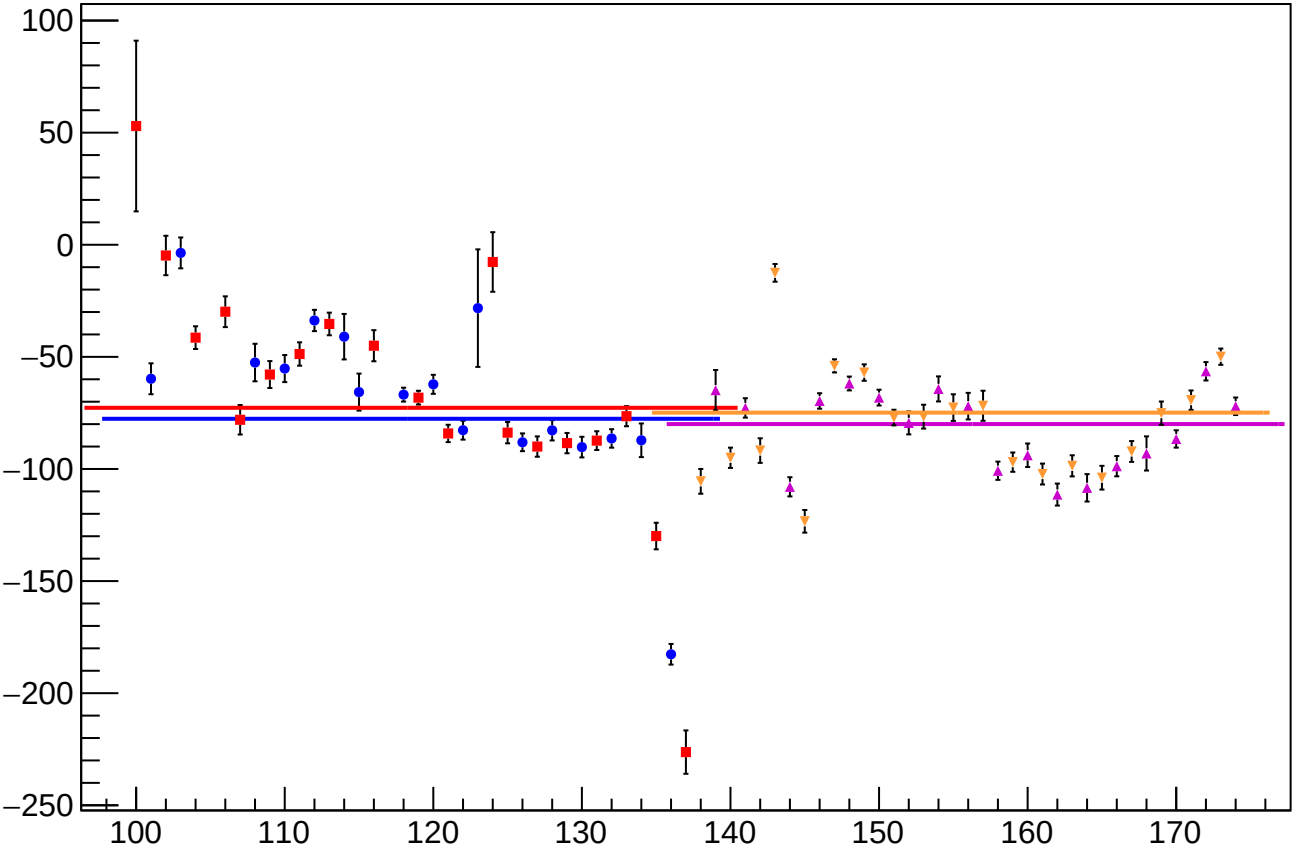
In: 5.813+/-0.689 χ^2/NDF:562.9/34

Out: 4.423+/-0.666 χ^2/NDF:518.6/37

All: 5.094+/-0.479 χ^2/NDF: 1083.6/72


reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
100
0
−100
−200
−300
100
110
120
130
140
150
160
170
Right In: -218.855+/-2.023 χ²/NDF: 1146.6/16
Left Out: -206.782+/-1.238 χ²/NDF:3316.7/18
Right Out: -211.780+/-1.924 χ²/NDF: 1885.2/18
Left In: -220.784+/-1.246 χ²/NDF:730.0/17
Left: -213.739+/-0.878 χ²/NDF: 4110.3/36
Right: -215.141+/-1.394 χ²/NDF: 3038.2/35
In: -220.254+/-1.061 χ²/NDF:1877.2/34
Out: -208.246+/-1.041 χ²/NDF:5206.7/37
All: -214.137+/-0.743 χ²/NDF: 7149.2/72

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: -79.975+/-1.048 χ^2/NDF:268.8/17

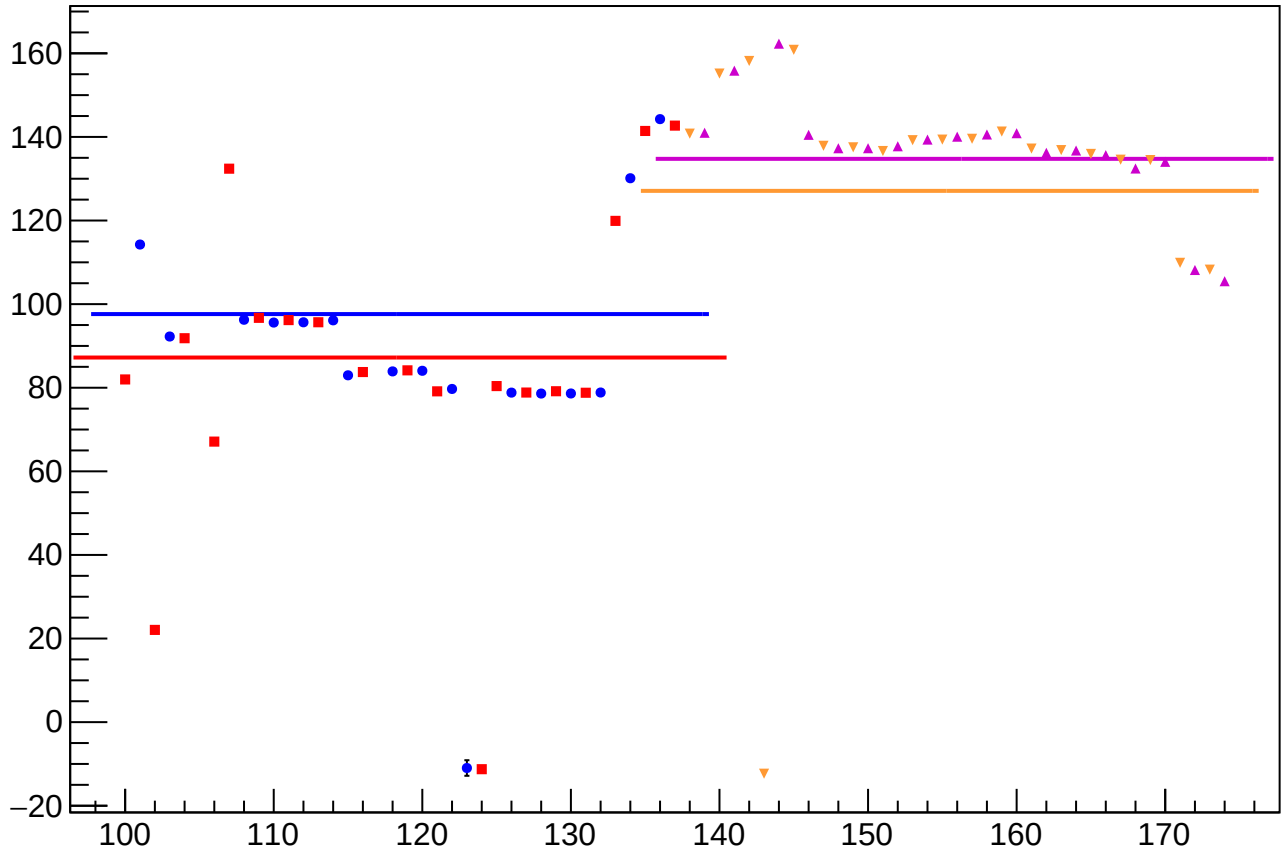
Left: -77.344+/-0.729 χ^2/NDF: 936.4/36

Right: -75.100+/-0.863 χ^2/NDF: 1495.4/35

In: -78.988+/-0.799 χ^2/NDF:1086.8/34

Out: -73.977+/-0.777 χ^2/NDF:1328.7/37

All: -76.410+/-0.557 χ^2/NDF: 2435.7/72



Right In: 97.620+/-0.074 χ^2/NDF: 94045.2/16

Left Out: 127.096+/-0.049 χ^2/NDF:576987.2/18

Right Out: 87.226+/-0.068 χ^2/NDF: 220850.5/18

Left In: 134.757+/-0.049 χ^2/NDF:82306.4/17

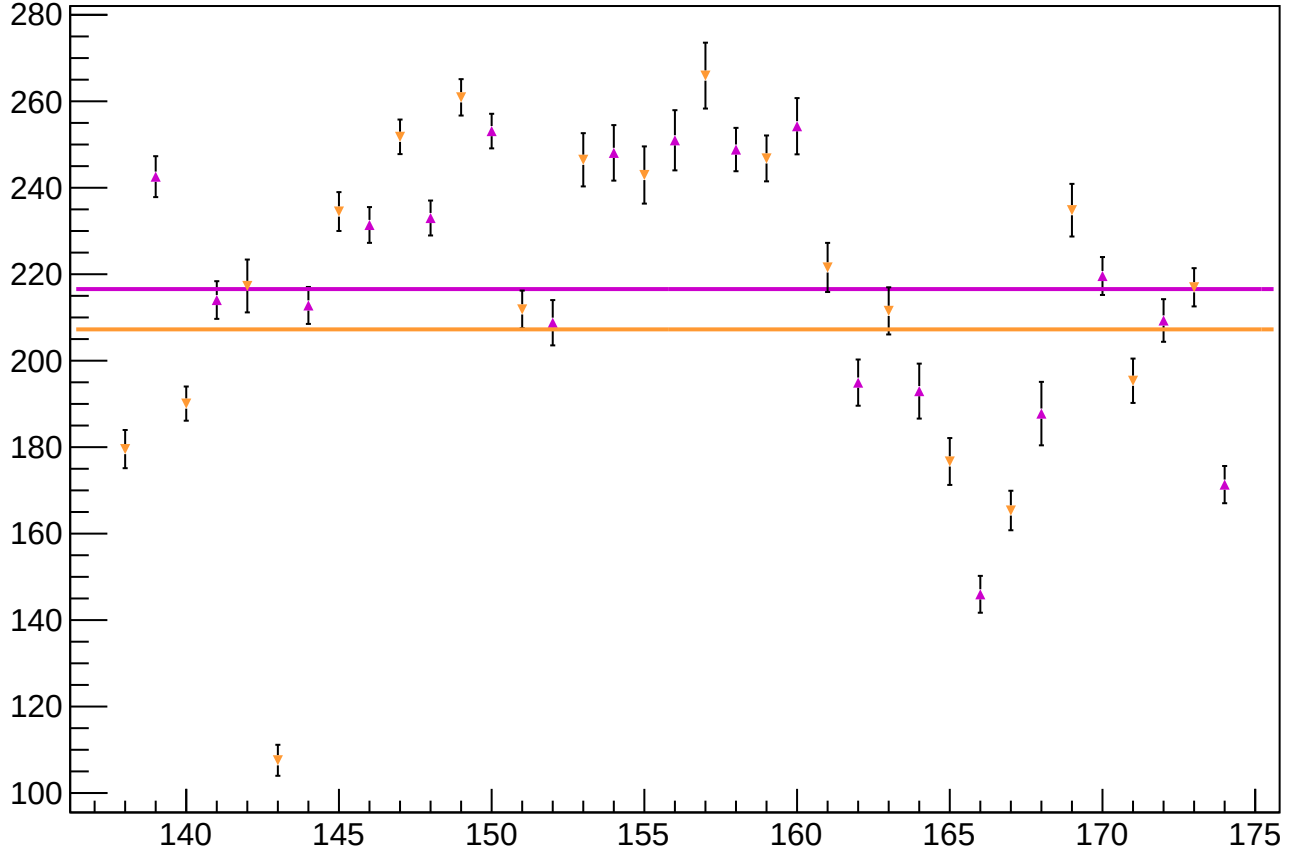
Left: 130.927+/-0.035 χ^2/NDF: 671606.3/36

Right: 92.025+/-0.050 χ^2/NDF: 325598.1/35

In: 123.436+/-0.041 χ^2/NDF:352802.2/34

Out: 113.605+/-0.040 χ^2/NDF:1023501.4/37

All: 118.400+/-0.028 χ^2/NDF: 1406195.6/72



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: 216.565+/-1.148 χ^2/NDF:702.7/17

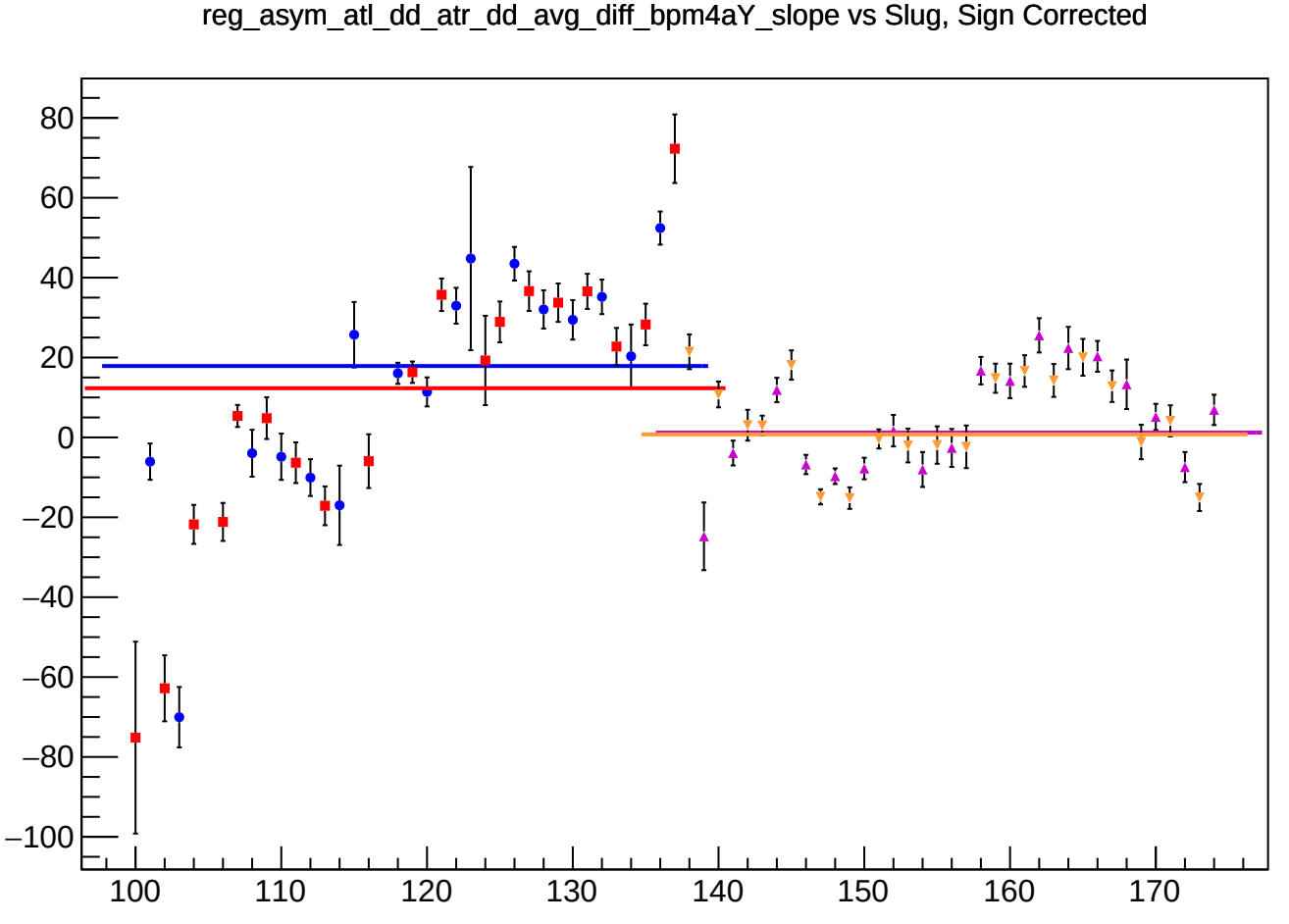
Left: 211.766+/-0.799 χ^2/NDF: 2233.4/36

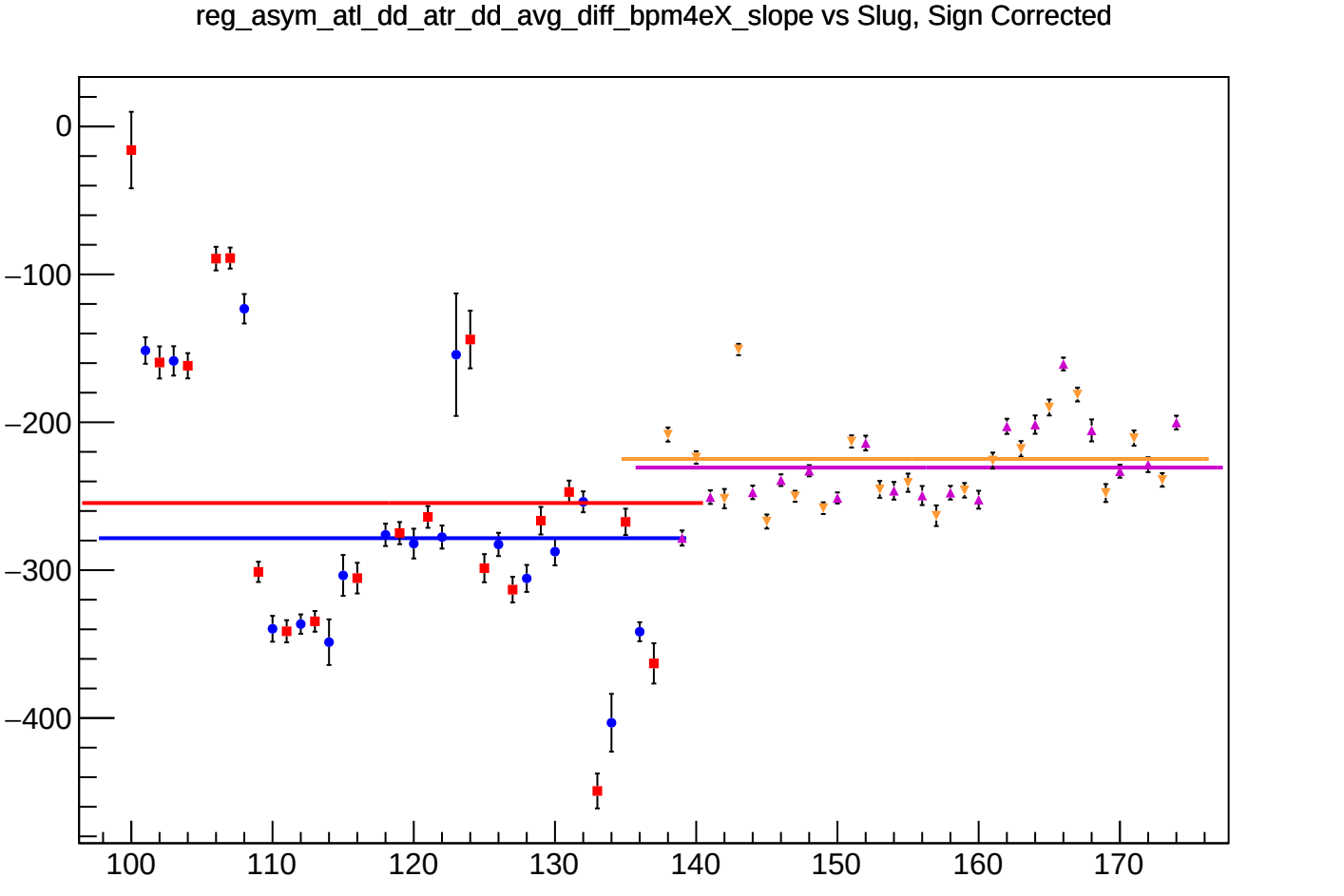
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

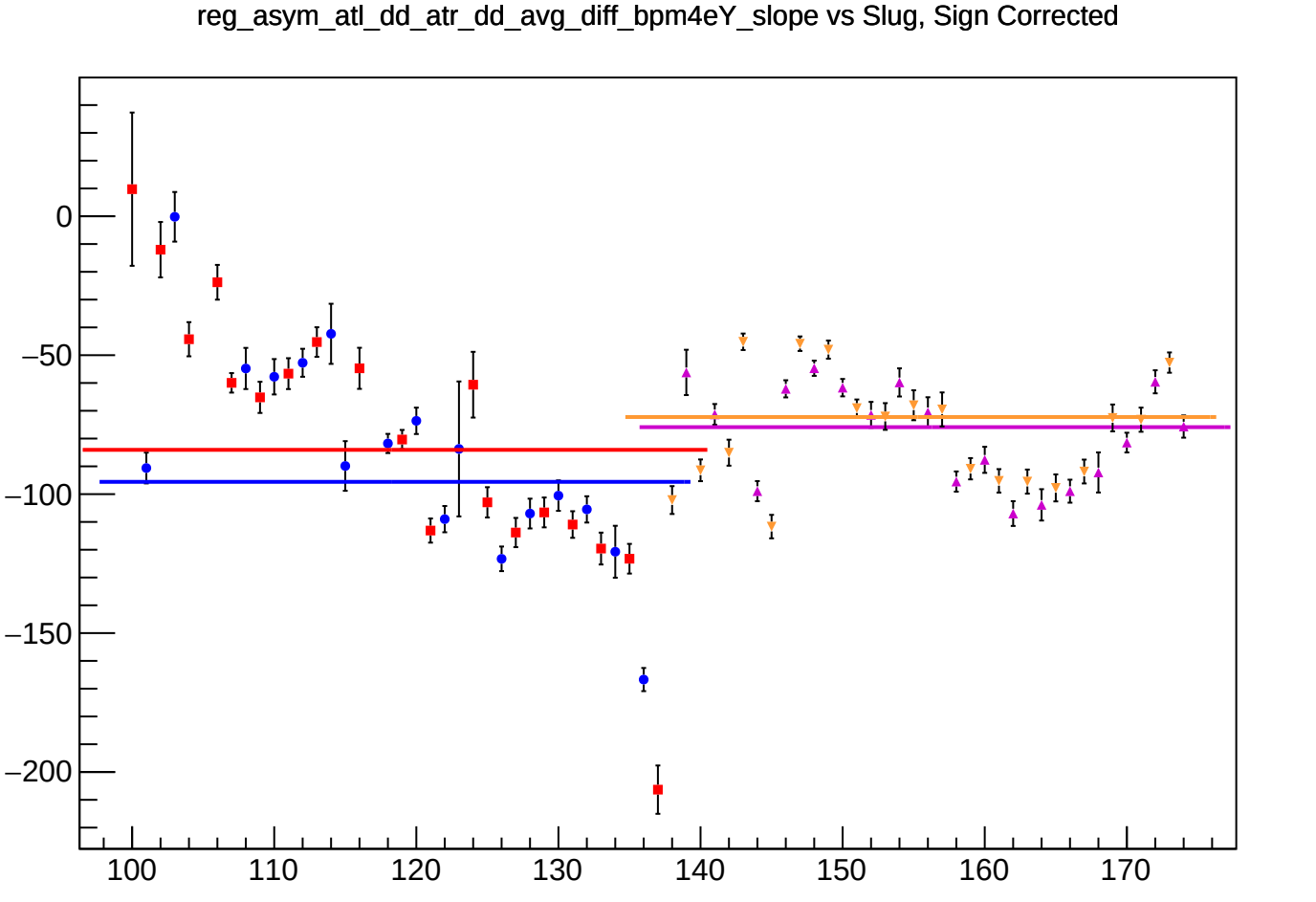
In: 216.565+/-1.148 χ^2/NDF:702.7/17

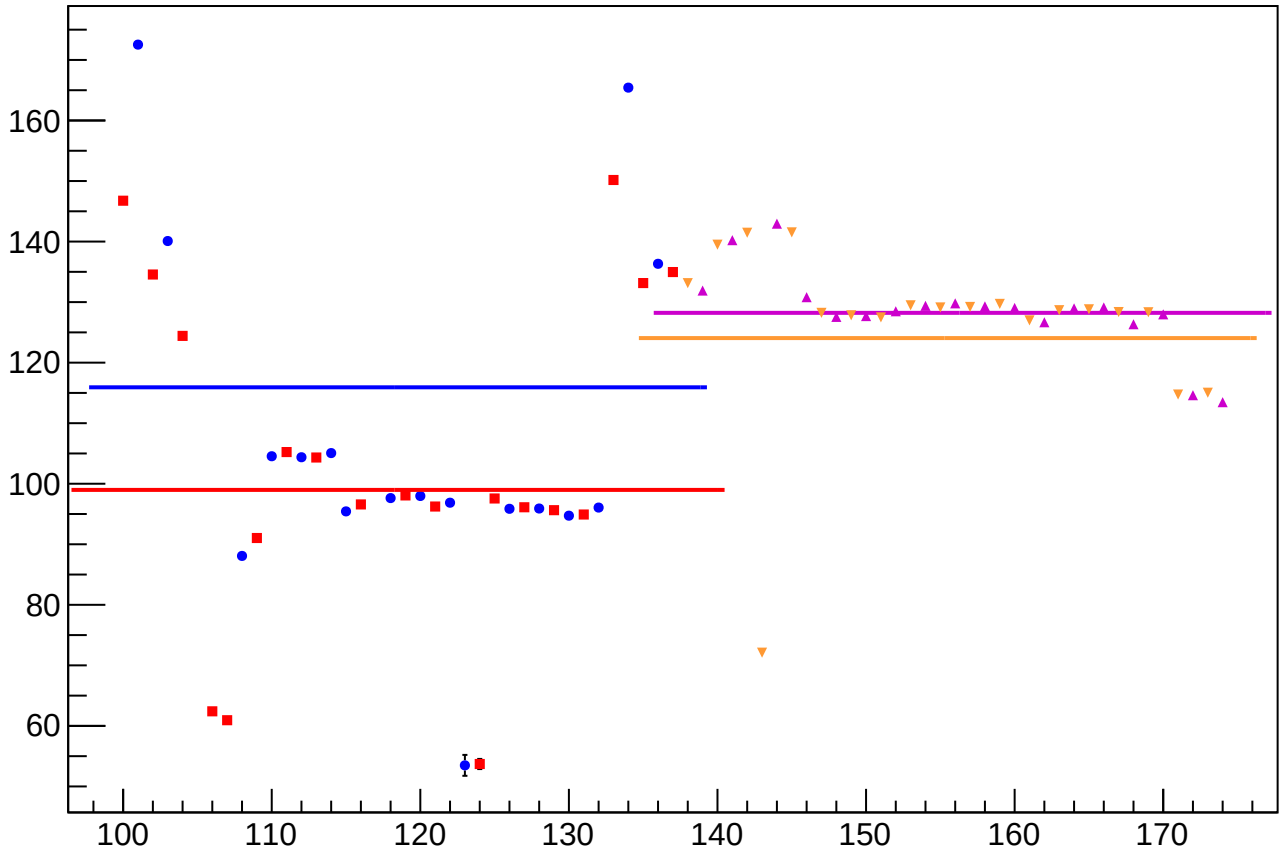
Out: 207.243+/-1.114 χ^2/NDF:1496.7/18

All: 211.766+/-0.799 χ^2/NDF: 2233.4/36


reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
110
120
130
140
150
160
170
Right In: 17.872+/-1.166 χ²/NDF: 395.3/16
Left Out: 0.763+/-0.768 χ²/NDF:251.4/18
Right Out: 12.317+/-1.083 χ²/NDF: 444.0/18
Left In: 1.205+/-0.814 χ²/NDF:197.3/17
Left: 0.971+/-0.559 χ²/NDF: 448.9/36
Right: 14.891+/-0.794 χ²/NDF: 851.6/35
In: 6.664+/-0.667 χ²/NDF:730.1/34
Out: 4.628+/-0.627 χ²/NDF:771.2/37
All: 5.582+/-0.457 χ²/NDF: 1506.2/72


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
0
−100
−200
−300
−400
100
110
120
130
140
150
160
170
Right In: -278.380+/-2.185 χ²/NDF: 910.6/16
Left Out: -224.814+/-1.110 χ²/NDF:837.2/18
Right Out: -254.603+/-2.020 χ²/NDF: 2037.5/18
Left In: -230.636+/-1.136 χ²/NDF:572.1/17
Left: -227.660+/-0.794 χ²/NDF: 1422.7/36
Right: -265.560+/-1.483 χ²/NDF: 3011.9/35
In: -240.791+/-1.008 χ²/NDF:1858.7/34
Out: -231.729+/-0.973 χ²/NDF:3041.7/37
All: -236.102+/-0.700 χ²/NDF: 4942.2/72


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
0
−50
−100
−150
−200
100
110
120
130
140
150
160
170
Right In: -95.576+/-1.340 χ²/NDF: 671.2/16
Left Out: -72.249+/-0.908 χ²/NDF:556.3/18
Right Out: -84.062+/-1.257 χ²/NDF: 783.2/18
Left In: -75.893+/-0.952 χ²/NDF:322.9/17
Left: -73.984+/-0.657 χ²/NDF: 886.8/36
Right: -89.449+/-0.917 χ²/NDF: 1493.7/35
In: -82.494+/-0.776 χ²/NDF:1137.4/34
Out: -76.298+/-0.736 χ²/NDF:1397.5/37
All: -79.230+/-0.534 χ²/NDF: 2568.5/72



Right In: 115.927+/-0.078 χ^2/NDF: 105791.4/16

Left Out: 124.058+/-0.044 χ^2/NDF:148836.2/18

Right Out: 98.981+/-0.069 χ^2/NDF: 172974.2/18

Left In: 128.227+/-0.045 χ^2/NDF:23853.2/17

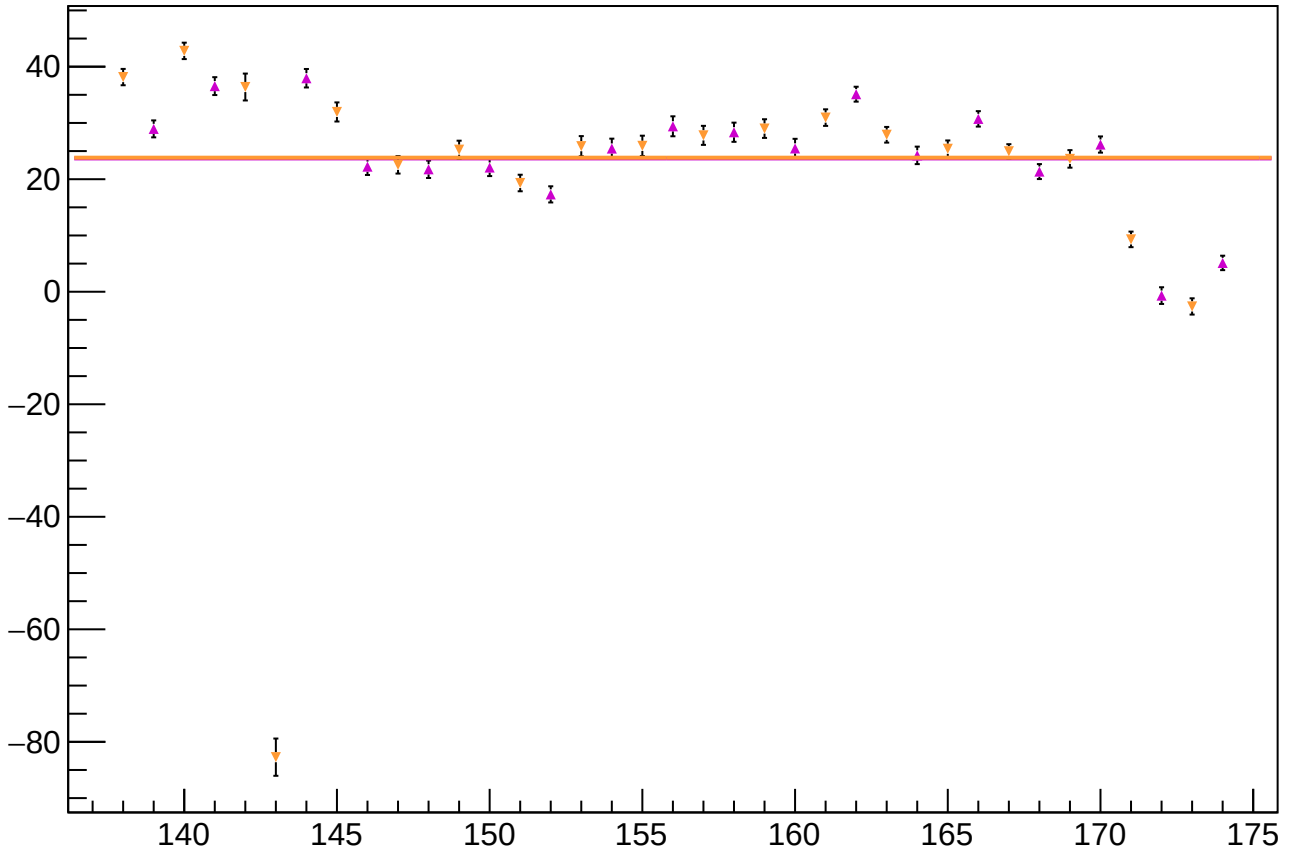
Left: 126.111+/-0.031 χ^2/NDF: 177107.8/36

Right: 106.321+/-0.052 χ^2/NDF: 305233.1/35

In: 125.213+/-0.039 χ^2/NDF:148214.4/34

Out: 116.741+/-0.037 χ^2/NDF:416585.2/37

All: 120.777+/-0.027 χ^2/NDF: 589734.2/72



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: 23.697+/-0.355 χ^2/NDF:782.2/17

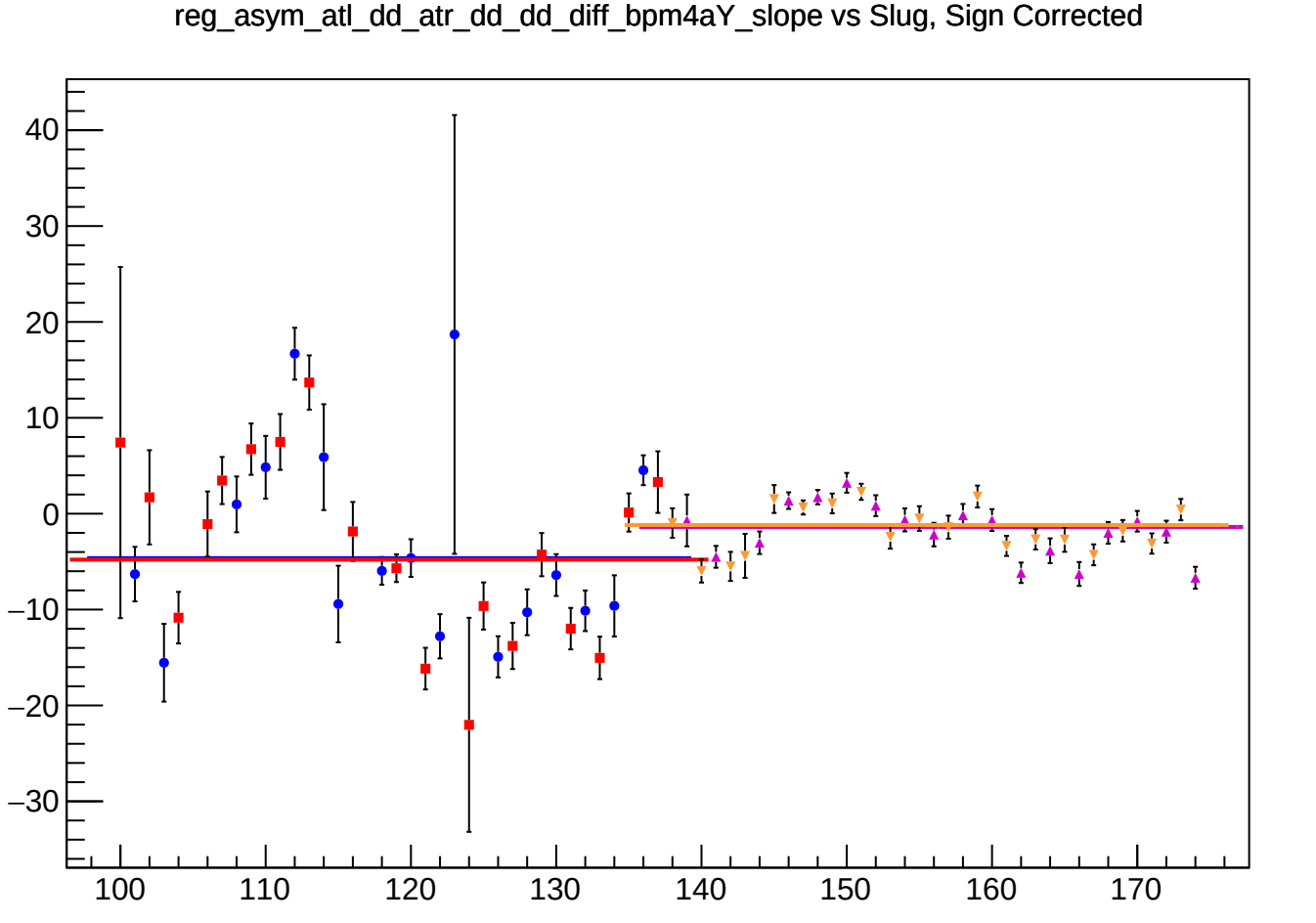
Left: 23.759+/-0.253 χ^2/NDF: 2642.4/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: 23.697+/-0.355 χ^2/NDF:782.2/17

Out: 23.825+/-0.362 χ^2/NDF:1860.1/18

All: 23.759+/-0.253 χ^2/NDF: 2642.4/36



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: -1.386+/-0.261 χ^2/NDF:124.6/17

Left: -1.286+/-0.184 χ^2/NDF: 211.9/36

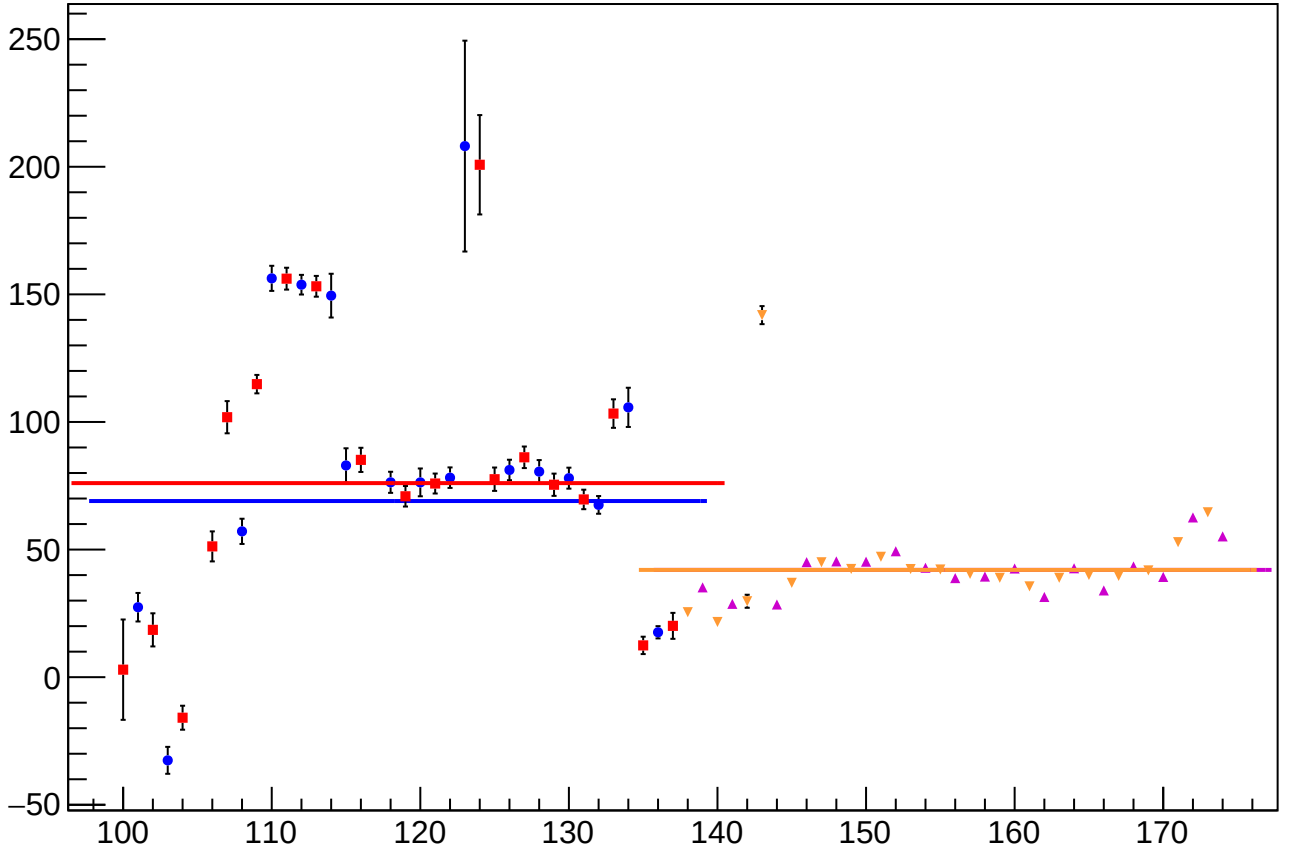
Right: -4.714+/-0.414 χ^2/NDF: 367.0/35

In: -1.921+/-0.239 χ^2/NDF:324.6/34

Out: -1.780+/-0.237 χ^2/NDF:311.3/37

All: -1.850+/-0.168 χ^2/NDF: 636.1/72

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019+/-1.083 χ^2/NDF: 1848.0/16

Left Out: 42.030+/-0.357 χ^2/NDF:1452.0/18

Right Out: 76.041+/-1.070 χ^2/NDF: 1881.9/18

Left In: 42.034+/-0.351 χ^2/NDF:569.3/17

Left: 42.032+/-0.250 χ^2/NDF: 2021.3/36

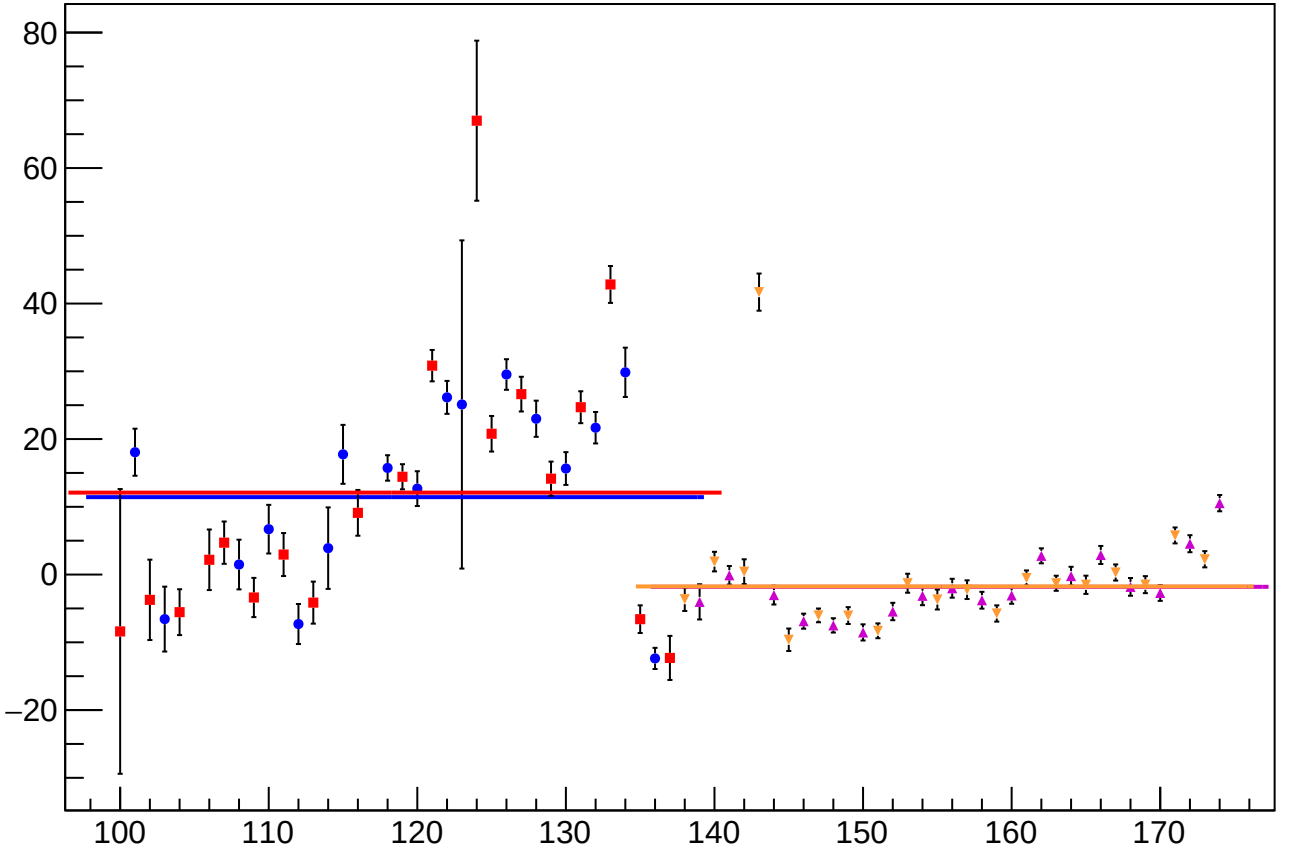
Right: 72.574+/-0.761 χ^2/NDF: 3751.2/35

In: 44.593+/-0.334 χ^2/NDF:2978.8/34

Out: 45.446+/-0.339 χ^2/NDF:4243.0/37

All: 45.012+/-0.238 χ^2/NDF: 7225.1/72

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428+/-0.665 χ^2/NDF: 476.8/16

Left Out: -1.752+/-0.299 χ^2/NDF:417.6/18

Right Out: 12.095+/-0.664 χ^2/NDF: 539.1/18

Left In: -1.809+/-0.300 χ^2/NDF:260.1/17

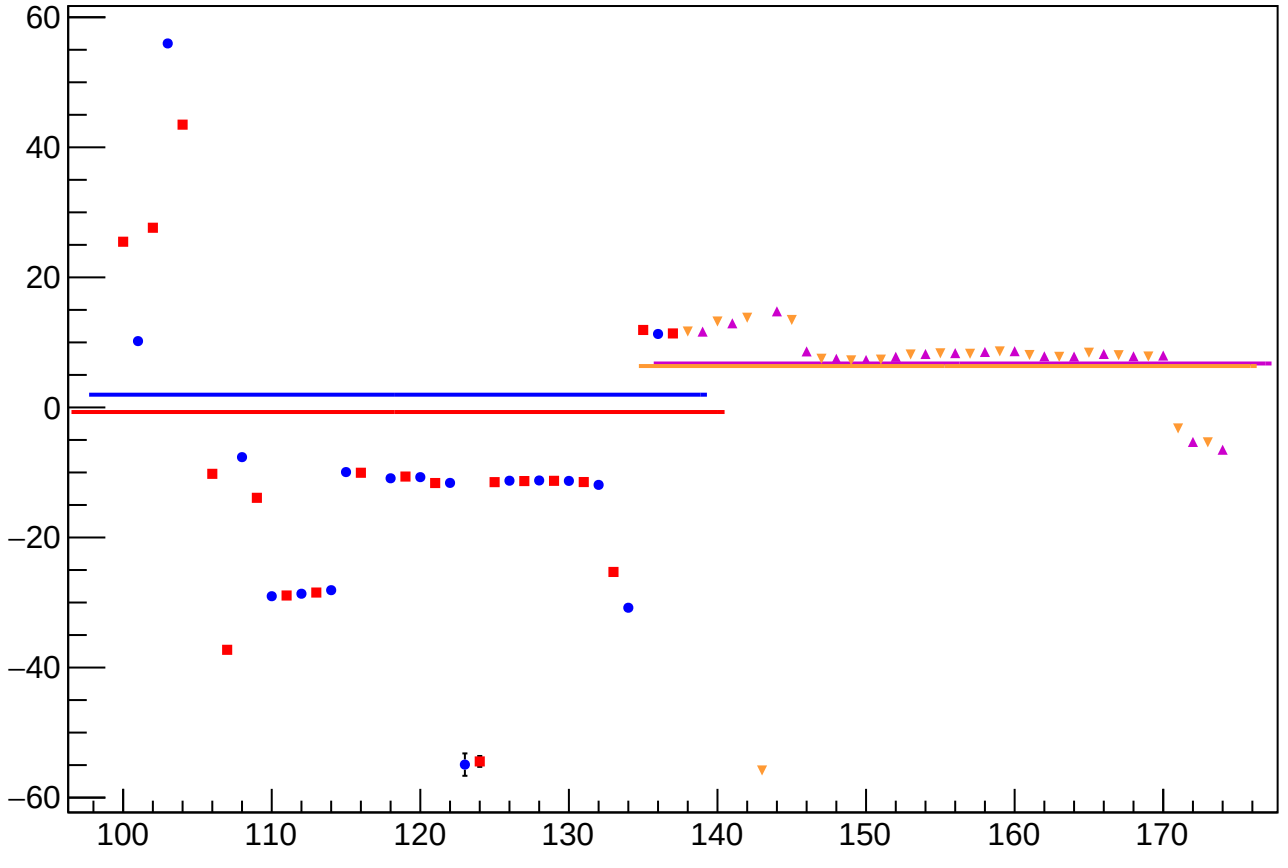
Left: -1.780+/-0.212 χ^2/NDF: 677.8/36

Right: 11.762+/-0.470 χ^2/NDF: 1016.4/35

In: 0.426+/-0.273 χ^2/NDF:1065.7/34

Out: 0.585+/-0.273 χ^2/NDF:1318.3/37

All: 0.506+/-0.193 χ^2/NDF: 2384.2/72



Right In: 1.960+/-0.037 χ^2/NDF: 358457.0/16

Left Out: 6.366+/-0.014 χ^2/NDF:320867.0/18

Right Out: -0.704+/-0.037 χ^2/NDF: 361168.6/18

Left In: 6.757+/-0.014 χ^2/NDF:152782.8/17

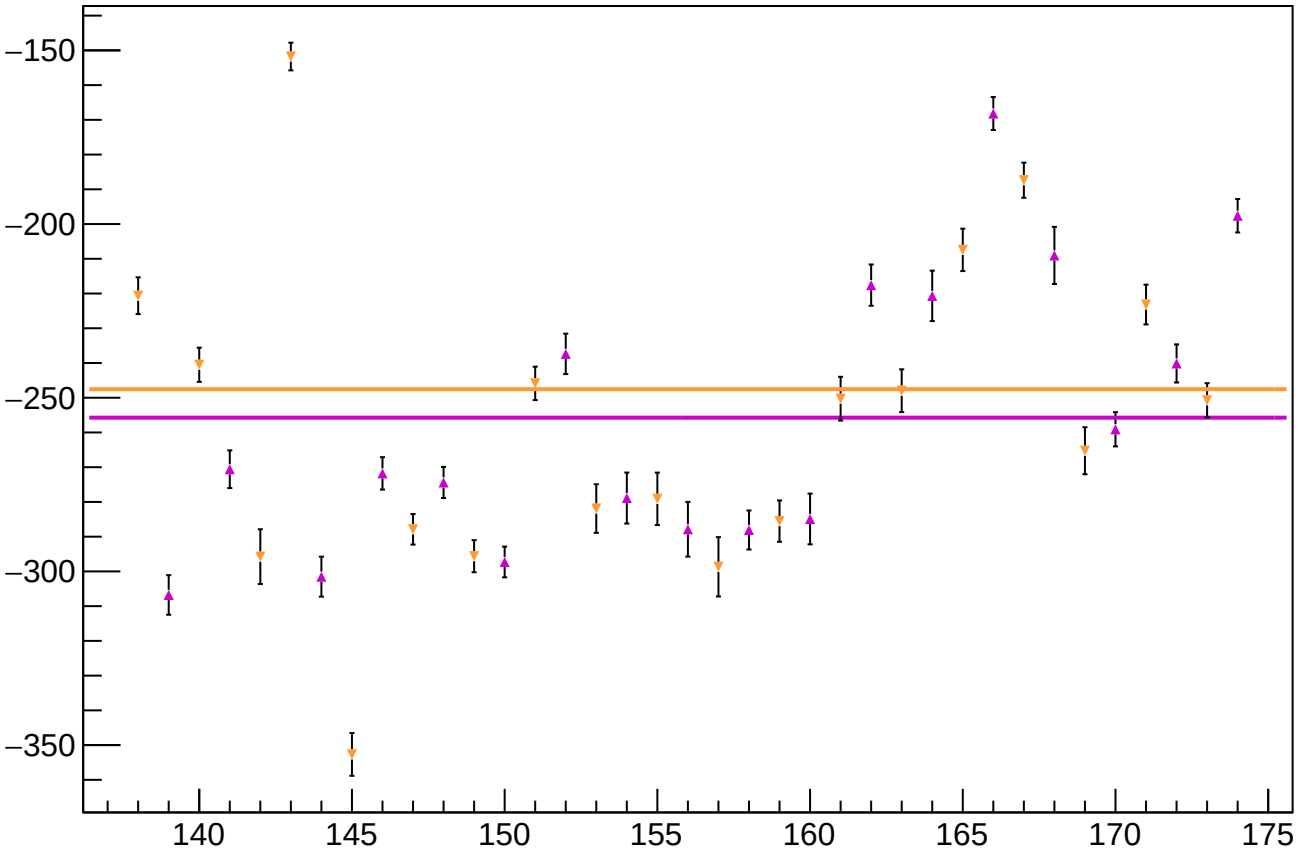
Left: 6.565+/-0.010 χ^2/NDF: 474058.1/36

Right: 0.627+/-0.026 χ^2/NDF: 722198.2/35

In: 6.192+/-0.013 χ^2/NDF:525951.8/34

Out: 5.504+/-0.013 χ^2/NDF:713882.1/37

All: 5.854+/-0.009 χ^2/NDF: 1241267.5/72



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: -255.740+/-1.312 χ^2/NDF:946.0/17

Left: -251.525+/-0.915 χ^2/NDF: 2419.9/36

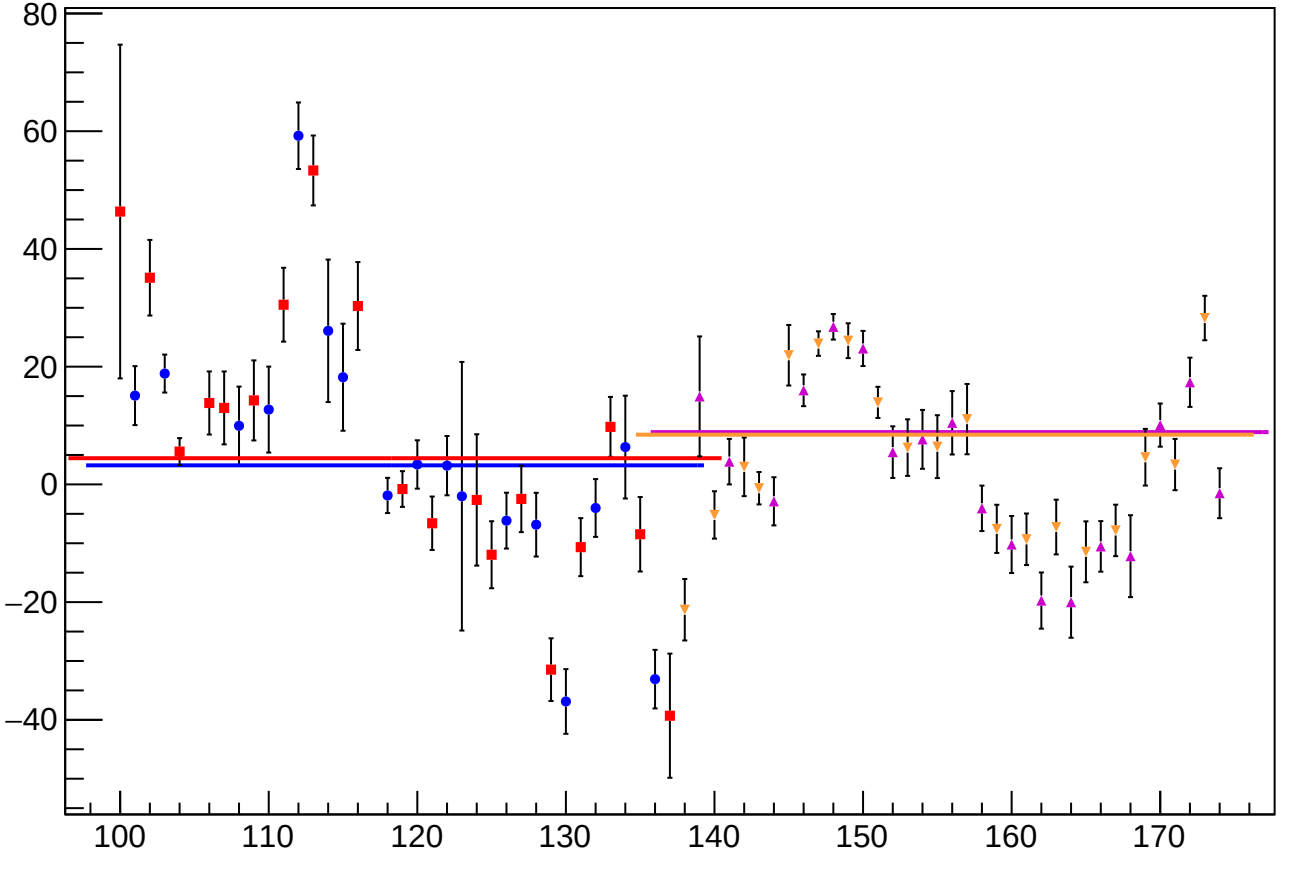
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -255.740+/-1.312 χ^2/NDF:946.0/17

Out: -247.546+/-1.275 χ^2/NDF:1453.9/18

All: -251.525+/-0.915 χ^2/NDF: 2419.9/36

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.237+/-1.244 χ^2/NDF: 255.3/16

Left Out: 8.446+/-0.872 χ^2/NDF:253.4/18

Right Out: 4.450+/-1.157 χ^2/NDF: 225.8/18

Left In: 8.882+/-0.925 χ^2/NDF:234.0/17

Left: 8.651+/-0.634 χ^2/NDF: 487.4/36

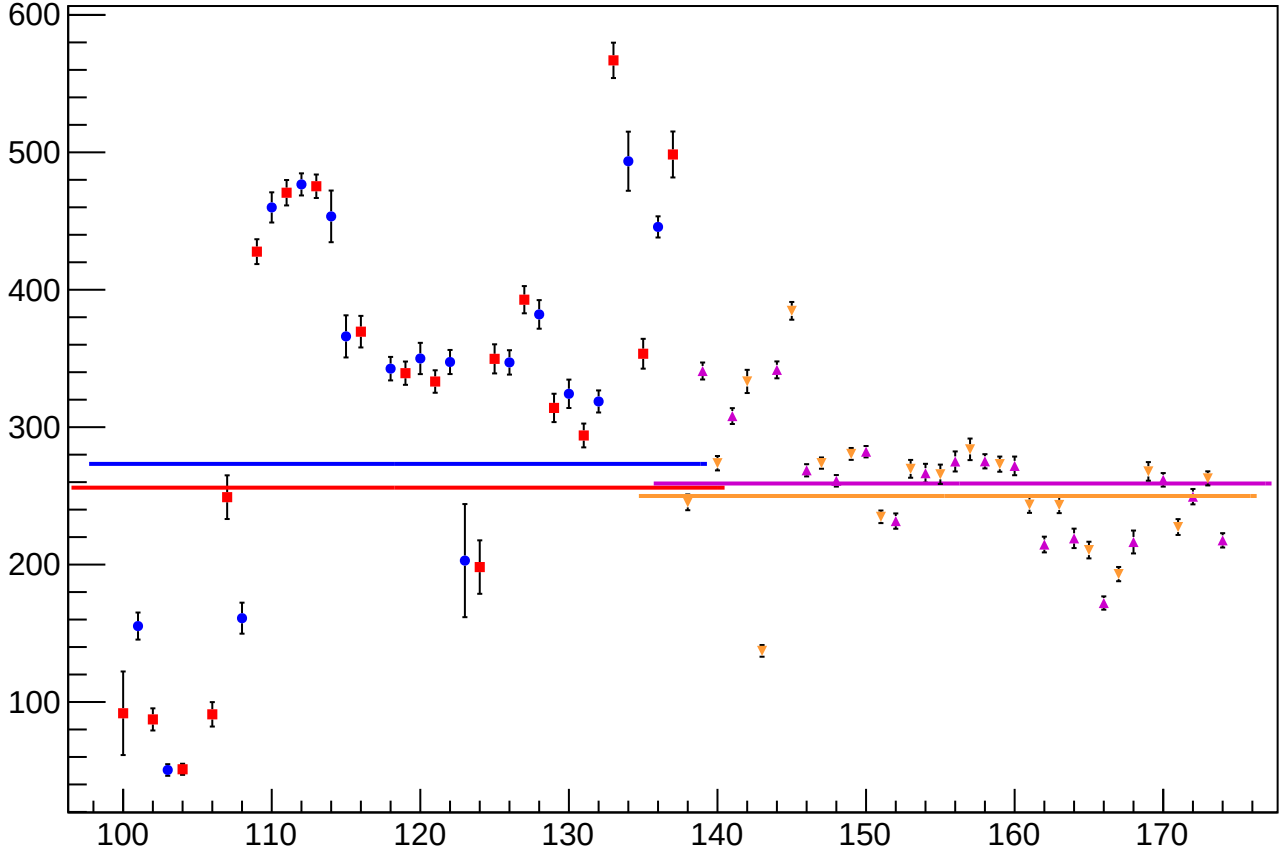
Right: 3.887+/-0.847 χ^2/NDF: 481.6/35

In: 6.871+/-0.742 χ^2/NDF:502.5/34

Out: 6.999+/-0.696 χ^2/NDF:486.7/37

All: 6.939+/-0.508 χ^2/NDF: 989.2/72

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276+/-2.205 χ^2/NDF: 5101.5/16

Left Out: 249.918+/-1.266 χ^2/NDF:1594.1/18

Right Out: 255.985+/-2.080 χ^2/NDF: 6438.4/18

Left In: 259.008+/-1.294 χ^2/NDF:1016.5/17

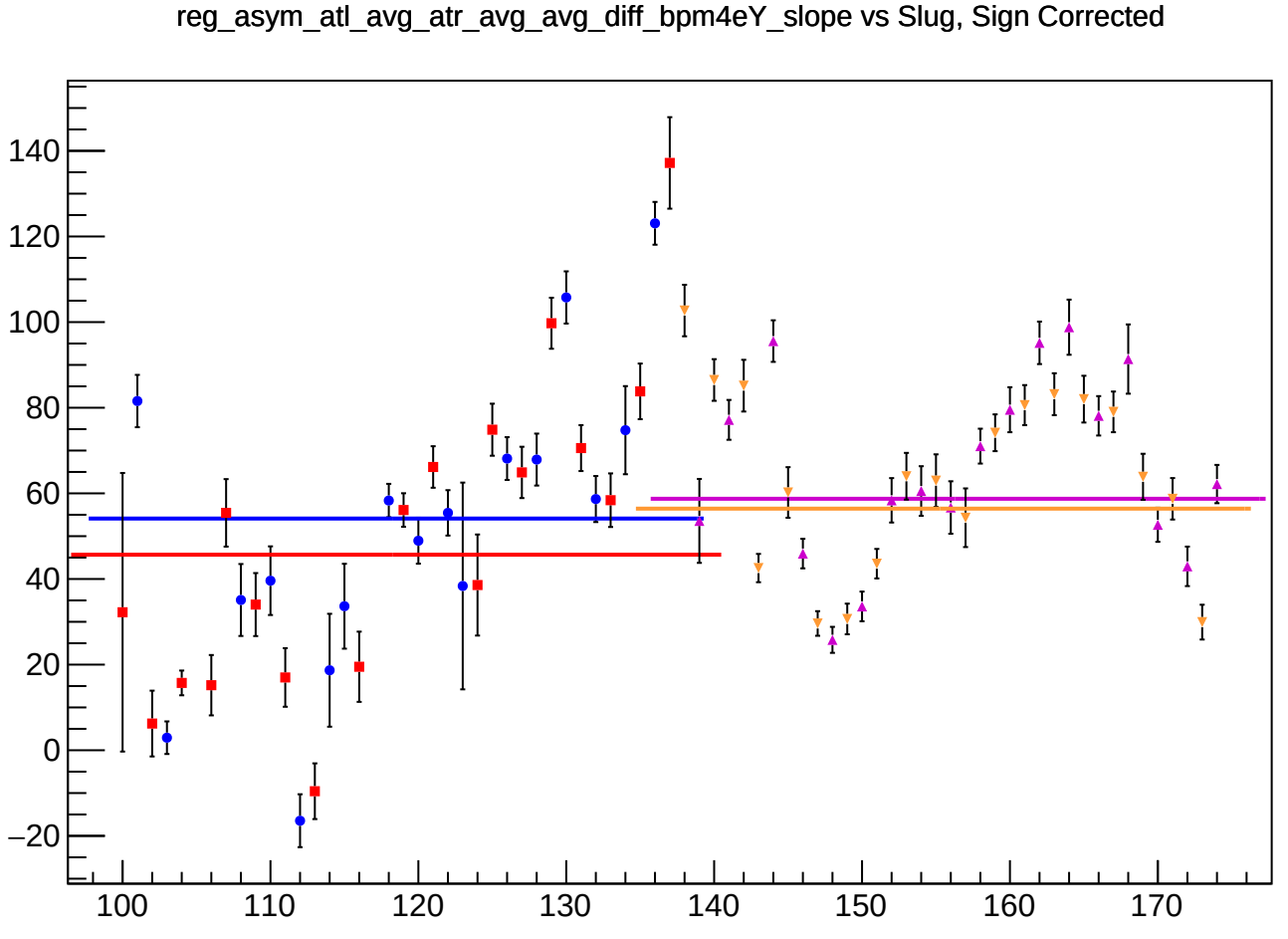
Left: 254.362+/-0.905 χ^2/NDF: 2635.9/36

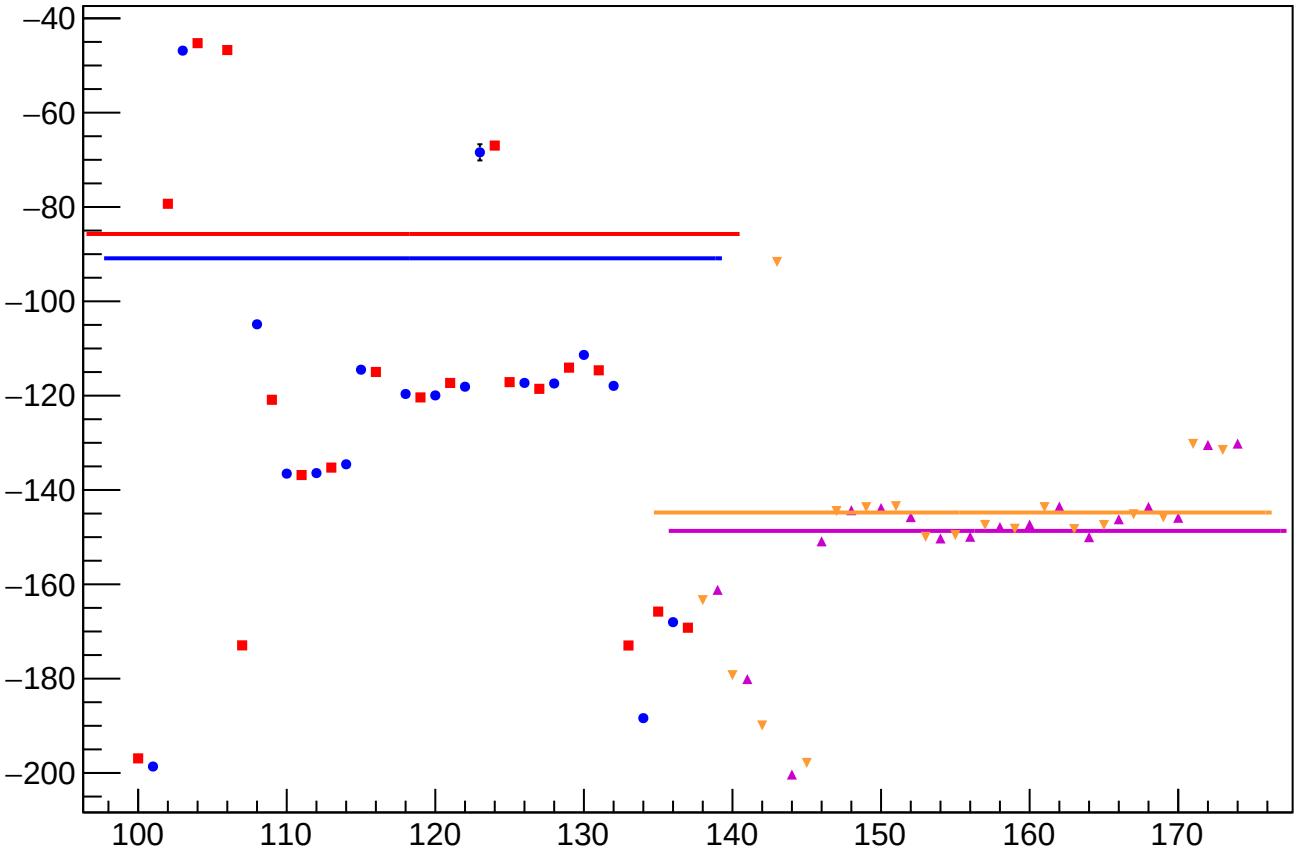
Right: 264.127+/-1.513 χ^2/NDF: 11572.5/35

In: 262.665+/-1.116 χ^2/NDF:6149.2/34

Out: 251.558+/-1.081 χ^2/NDF:8038.8/37

All: 256.936+/-0.777 χ^2/NDF: 14239.1/72


reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
140
120
100
80
60
40
20
0
−20
100
110
120
130
140
150
160
170
Right In: 54.119+/-1.438 χ²/NDF: 633.9/16
Left Out: 56.433+/-1.031 χ²/NDF:457.1/18
Right Out: 45.675+/-1.357 χ²/NDF: 531.0/18
Left In: 58.738+/-1.083 χ²/NDF:424.0/17
Left: 57.529+/-0.747 χ²/NDF: 883.4/36
Right: 49.654+/-0.987 χ²/NDF: 1183.2/35
In: 57.066+/-0.865 χ²/NDF:1064.5/34
Out: 52.494+/-0.821 χ²/NDF:1028.0/37
All: 54.661+/-0.596 χ²/NDF: 2107.1/72



Right In: -90.881+/-0.068 χ^2/NDF: 533423.8/16

Left Out: -144.777+/-0.050 χ^2/NDF:198923.0/18

Right Out: -85.722+/-0.065 χ^2/NDF: 494183.1/18

Left In: -148.676+/-0.051 χ^2/NDF:79092.8/17

Left: -146.699+/-0.036 χ^2/NDF: 280992.8/36

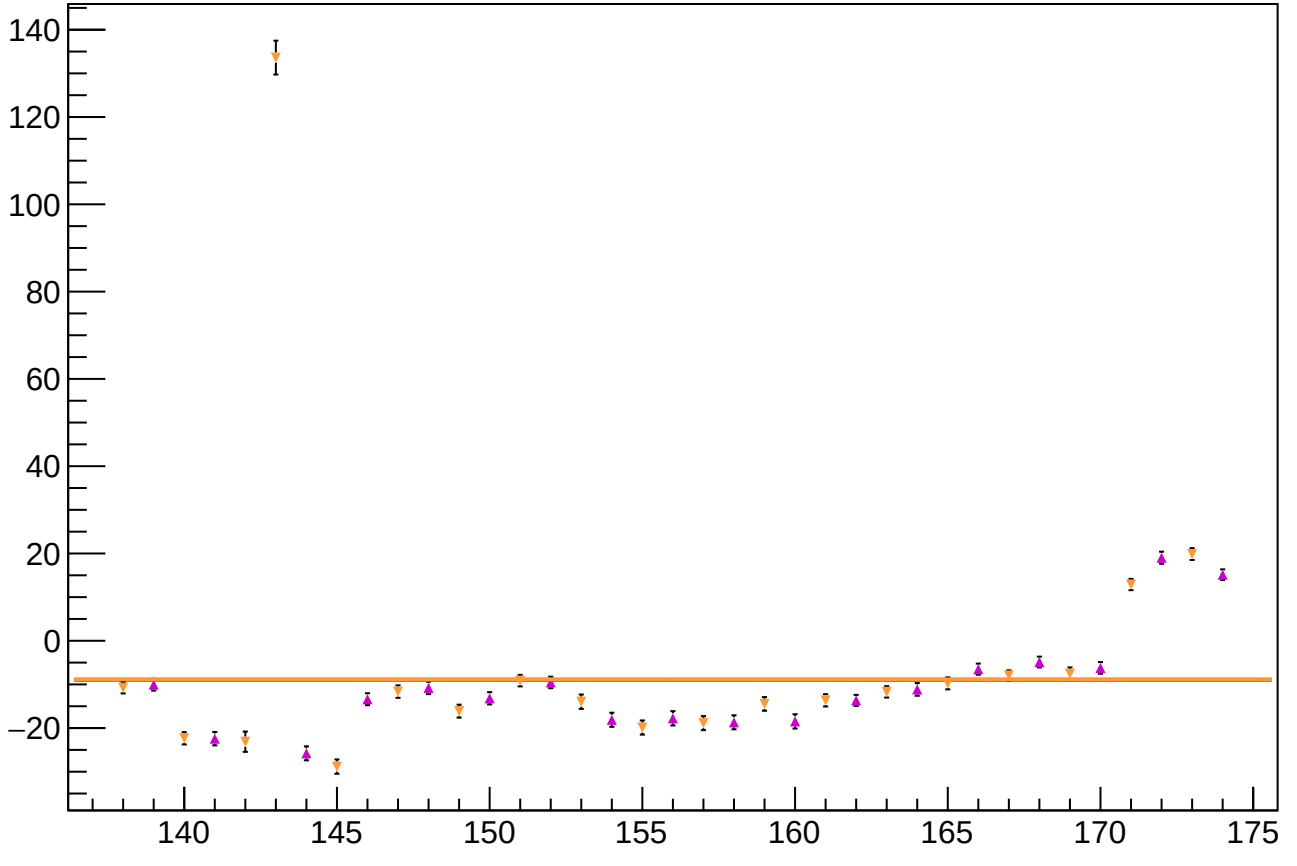
Right: -88.197+/-0.047 χ^2/NDF: 1030623.7/35

In: -127.832+/-0.041 χ^2/NDF:1077727.3/34

Out: -122.756+/-0.040 χ^2/NDF:1209708.0/37

All: -125.234+/-0.028 χ^2/NDF: 2295400.8/72

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: -8.952+/-0.332 χ^2/NDF:1173.3/17

Left: -8.903+/-0.237 χ^2/NDF: 3685.8/36

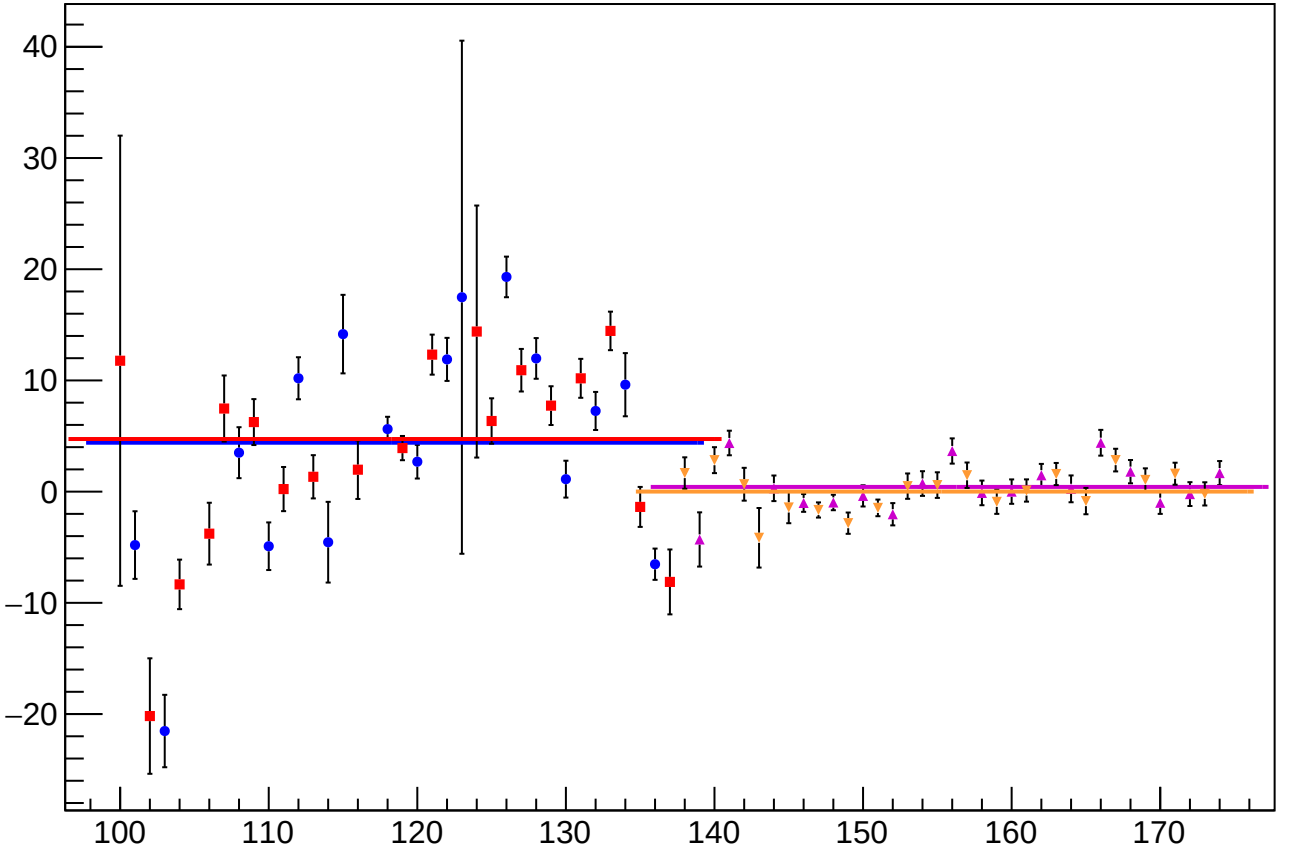
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -8.952+/-0.332 χ^2/NDF:1173.3/17

Out: -8.852+/-0.339 χ^2/NDF:2512.4/18

All: -8.903+/-0.237 χ^2/NDF: 3685.8/36

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: 0.424+/-0.245 χ^2/NDF:57.4/17

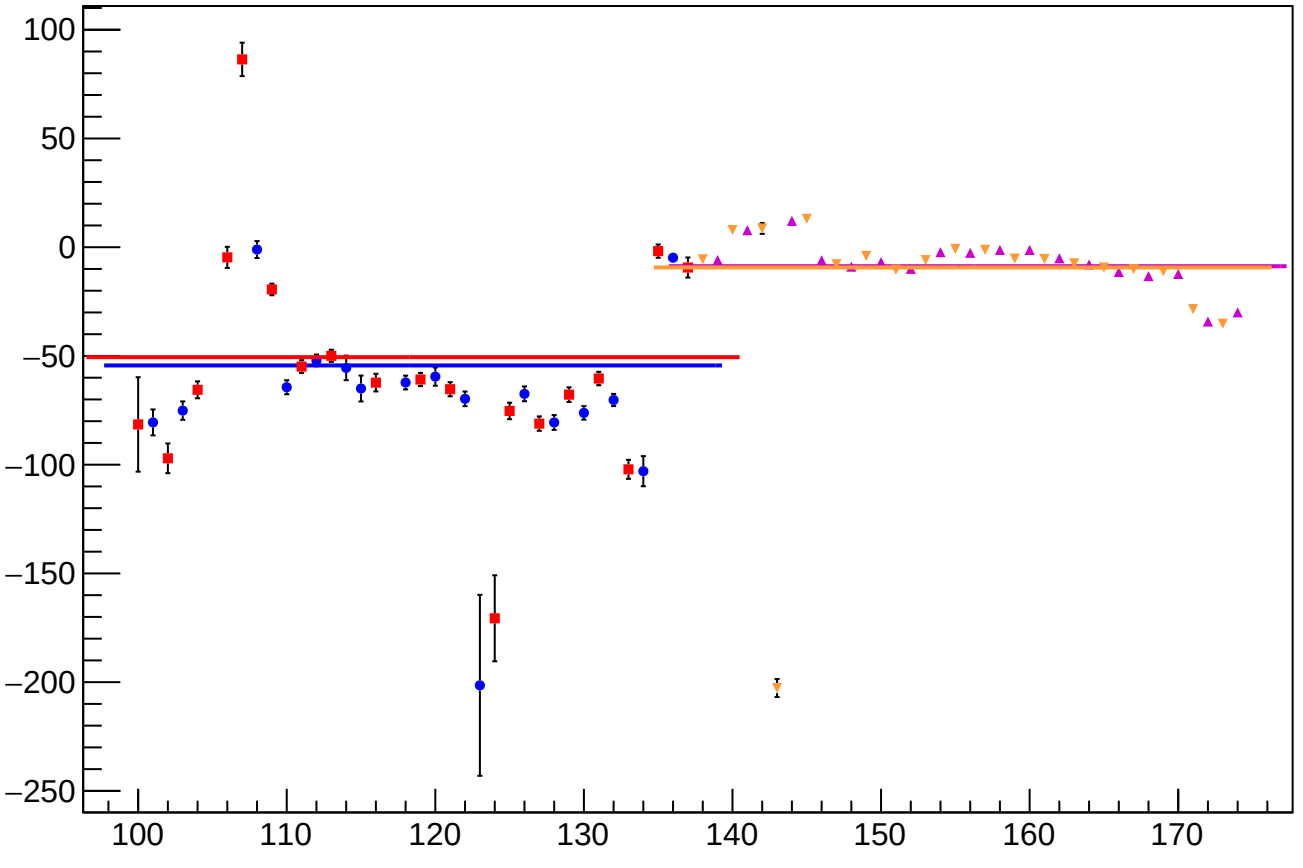
Left: 0.213+/-0.172 χ^2/NDF: 105.5/36

Right: 4.565+/-0.334 χ^2/NDF: 470.0/35

In: 1.268+/-0.217 χ^2/NDF:400.3/34

Out: 0.987+/-0.216 χ^2/NDF:308.7/37

All: 1.127+/-0.153 χ^2/NDF: 709.8/72



Right In: -54.365+/-0.868 χ^2/NDF: 1013.5/16

Left Out: -9.311+/-0.334 χ^2/NDF:3197.1/18

Right Out: -50.554+/-0.858 χ^2/NDF: 1321.3/18

Left In: -8.734+/-0.328 χ^2/NDF:959.4/17

Left: -9.017+/-0.234 χ^2/NDF: 4158.0/36

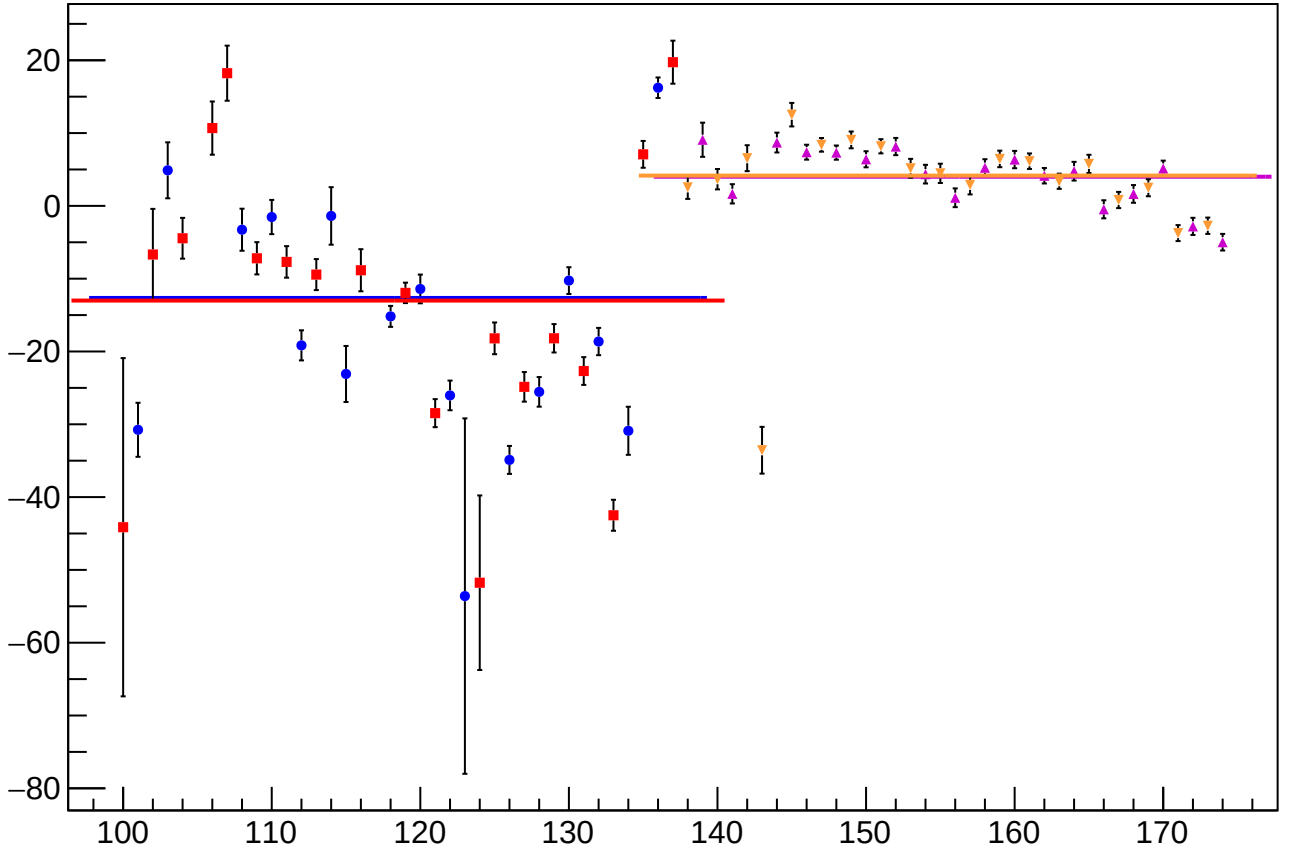
Right: -52.436+/-0.610 χ^2/NDF: 2344.5/35

In: -14.435+/-0.307 χ^2/NDF:4389.9/34

Out: -14.752+/-0.311 χ^2/NDF:6526.4/37

All: -14.591+/-0.219 χ^2/NDF: 10916.8/72

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: 4.004+/-0.281 χ^2/NDF:183.2/17

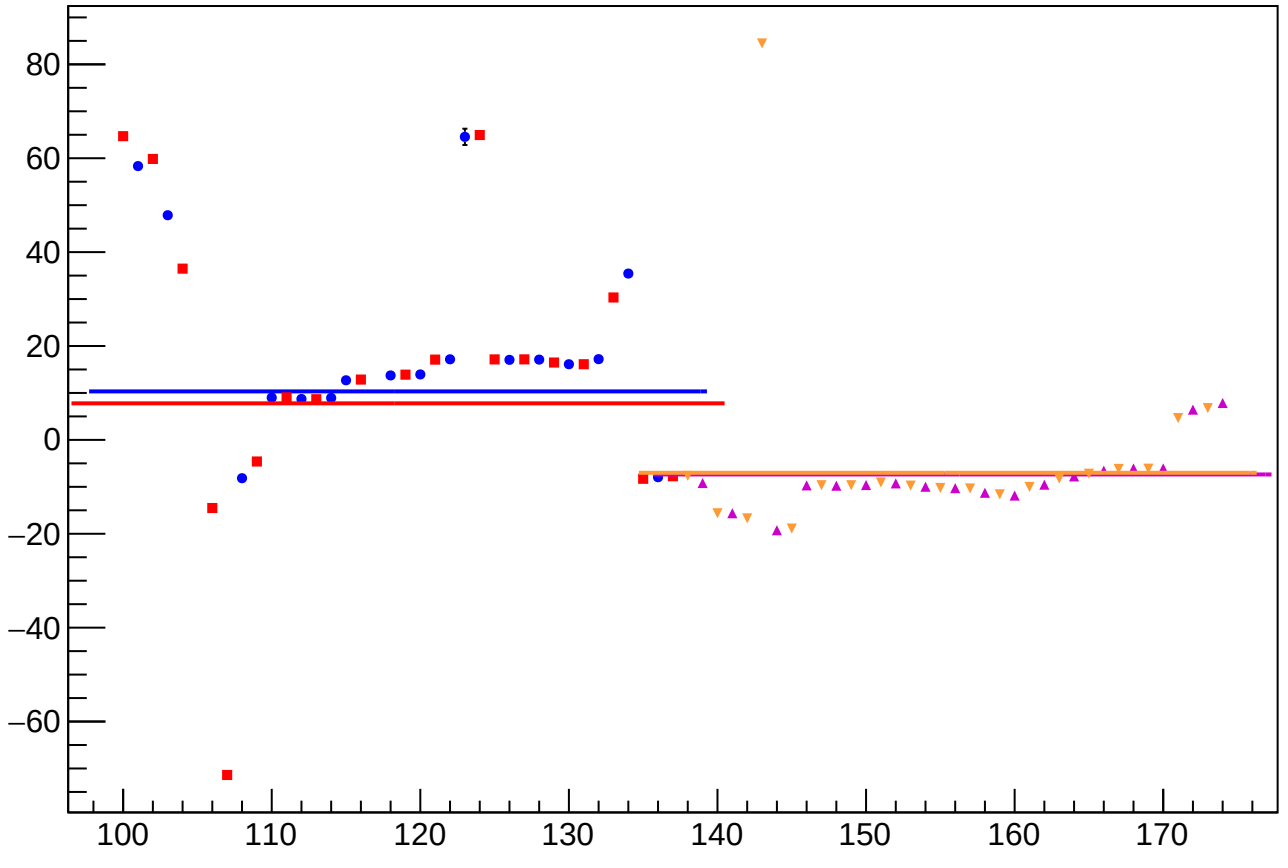
Left: 4.082+/-0.198 χ^2/NDF: 518.4/36

Right: -12.826+/-0.380 χ^2/NDF: 1510.1/35

In: 0.412+/-0.249 χ^2/NDF:1727.8/34

Out: 0.499+/-0.248 χ^2/NDF:1858.7/37

All: 0.456+/-0.176 χ^2/NDF: 3586.6/72



Right In: 10.330+/-0.031 χ^2/NDF: 380857.1/16

Left Out: -7.006+/-0.013 χ^2/NDF:526999.1/18

Right Out: 7.786+/-0.031 χ^2/NDF: 544119.7/18

Left In: -7.365+/-0.013 χ^2/NDF:245998.7/17

Left: -7.189+/-0.009 χ^2/NDF: 773391.2/36

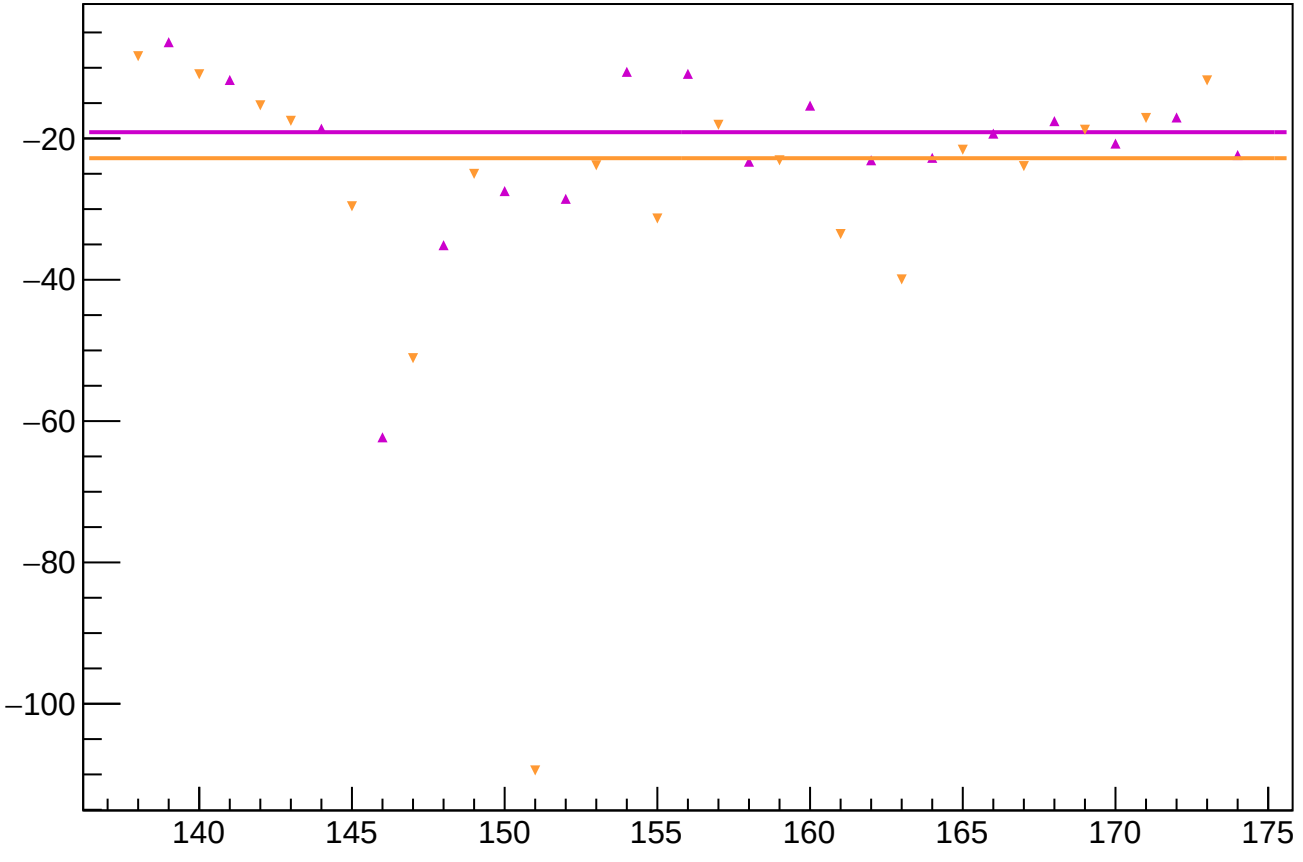
Right: 9.084+/-0.022 χ^2/NDF: 928345.1/35

In: -4.778+/-0.012 χ^2/NDF:910952.1/34

Out: -4.850+/-0.012 χ^2/NDF:1261846.8/37

All: -4.813+/-0.008 χ^2/NDF: 2172817.2/72

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -22.796+/-0.054 χ^2/NDF:62479.0/18

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

Left In: -19.115+/-0.048 χ^2/NDF:37514.7/17

Left: -20.754+/-0.036 χ^2/NDF: 102610.2/36

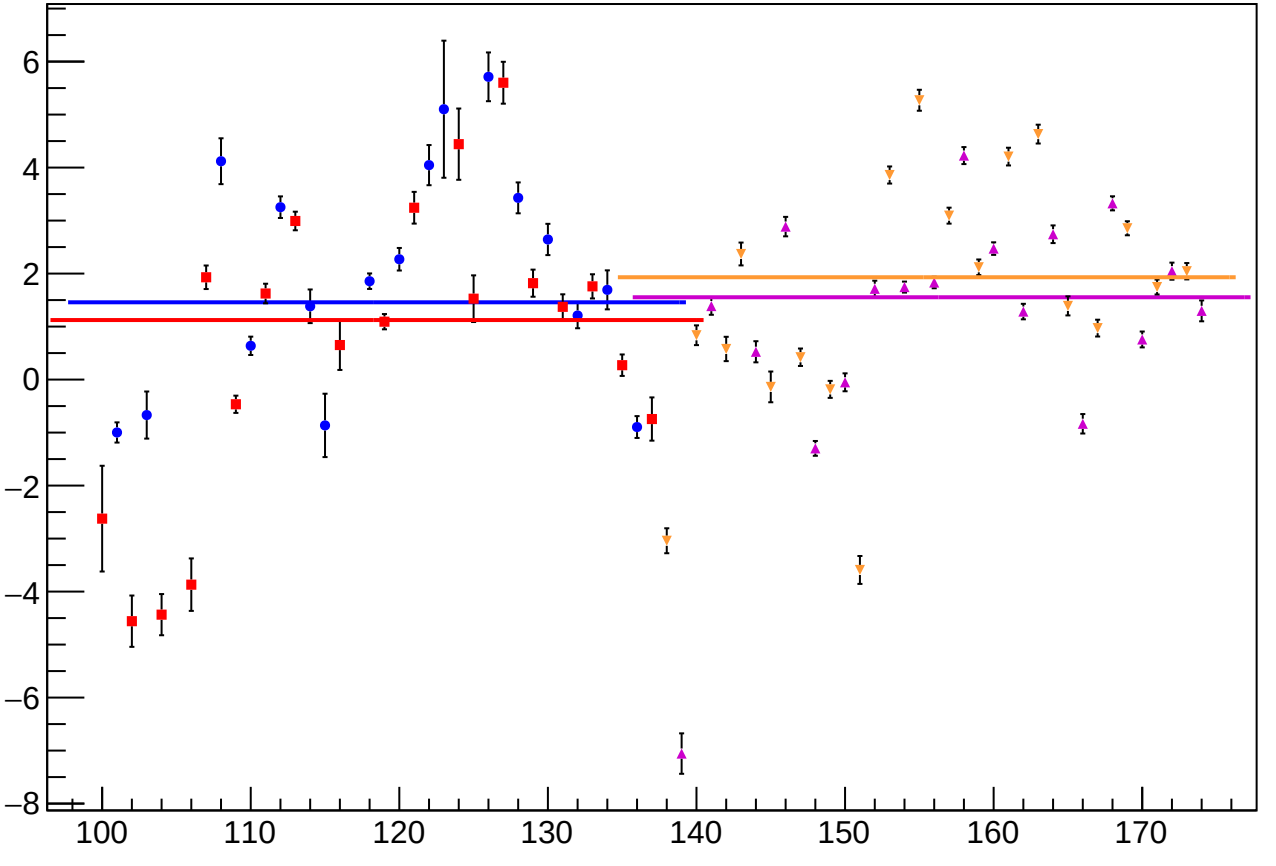
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -19.115+/-0.048 χ^2/NDF:37514.7/17

Out: -22.796+/-0.054 χ^2/NDF:62479.0/18

All: -20.754+/-0.036 χ^2/NDF: 102610.2/36

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458+/-0.062 χ^2/NDF: 698.2/16

Left Out: 1.931+/-0.040 χ^2/NDF:2270.1/18

Right Out: 1.123+/-0.058 χ^2/NDF: 947.4/18

Left In: 1.553+/-0.036 χ^2/NDF:1886.1/17

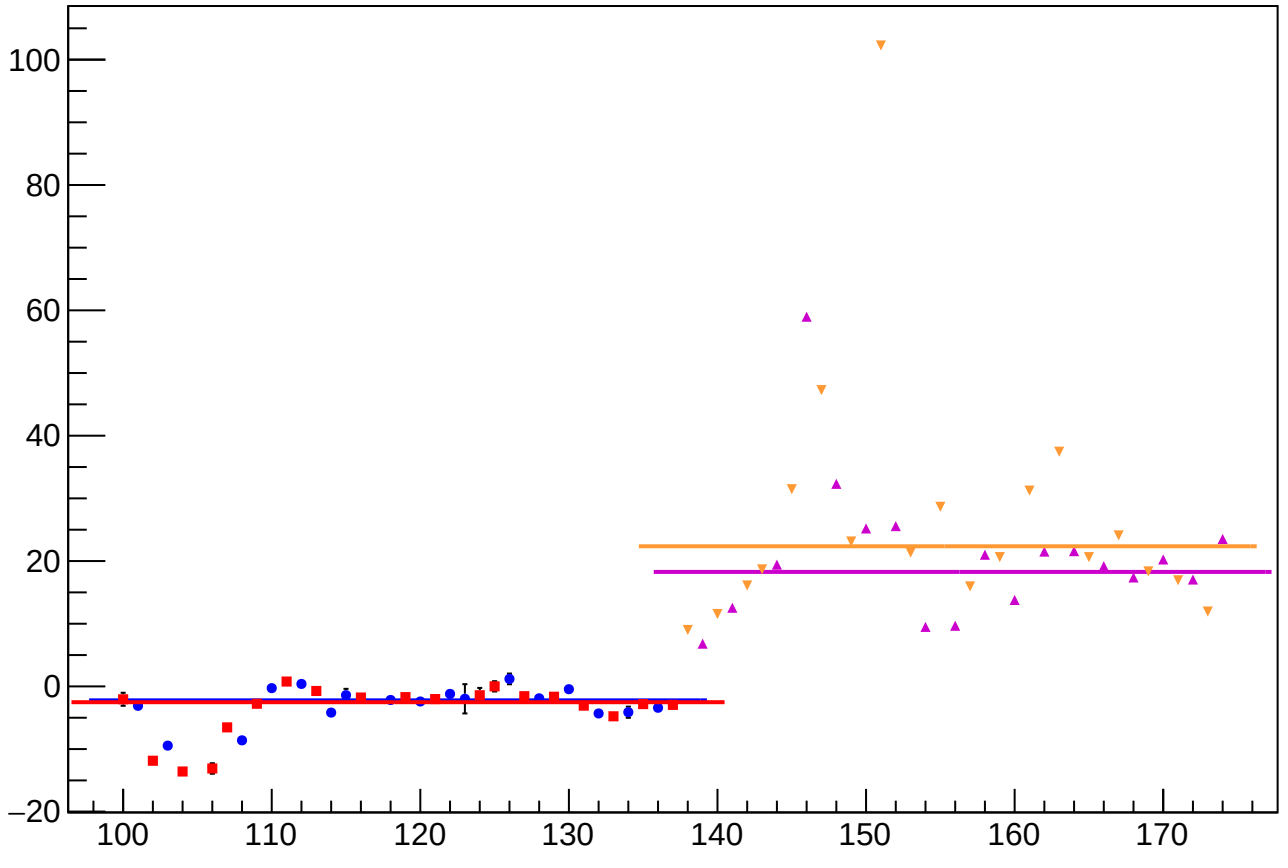
Left: 1.721+/-0.026 χ^2/NDF: 4206.2/36

Right: 1.280+/-0.042 χ^2/NDF: 1661.2/35

In: 1.530+/-0.031 χ^2/NDF:2586.0/34

Out: 1.673+/-0.033 χ^2/NDF:3349.0/37

All: 1.597+/-0.022 χ^2/NDF: 5945.2/72



Right In: -2.228+/-0.111 χ^2/NDF: 460.4/16

Left Out: 22.355+/-0.053 χ^2/NDF:55676.9/18

Right Out: -2.520+/-0.099 χ^2/NDF: 904.0/18

Left In: 18.266+/-0.047 χ^2/NDF:35804.3/17

Left: 20.061+/-0.035 χ^2/NDF: 94810.8/36

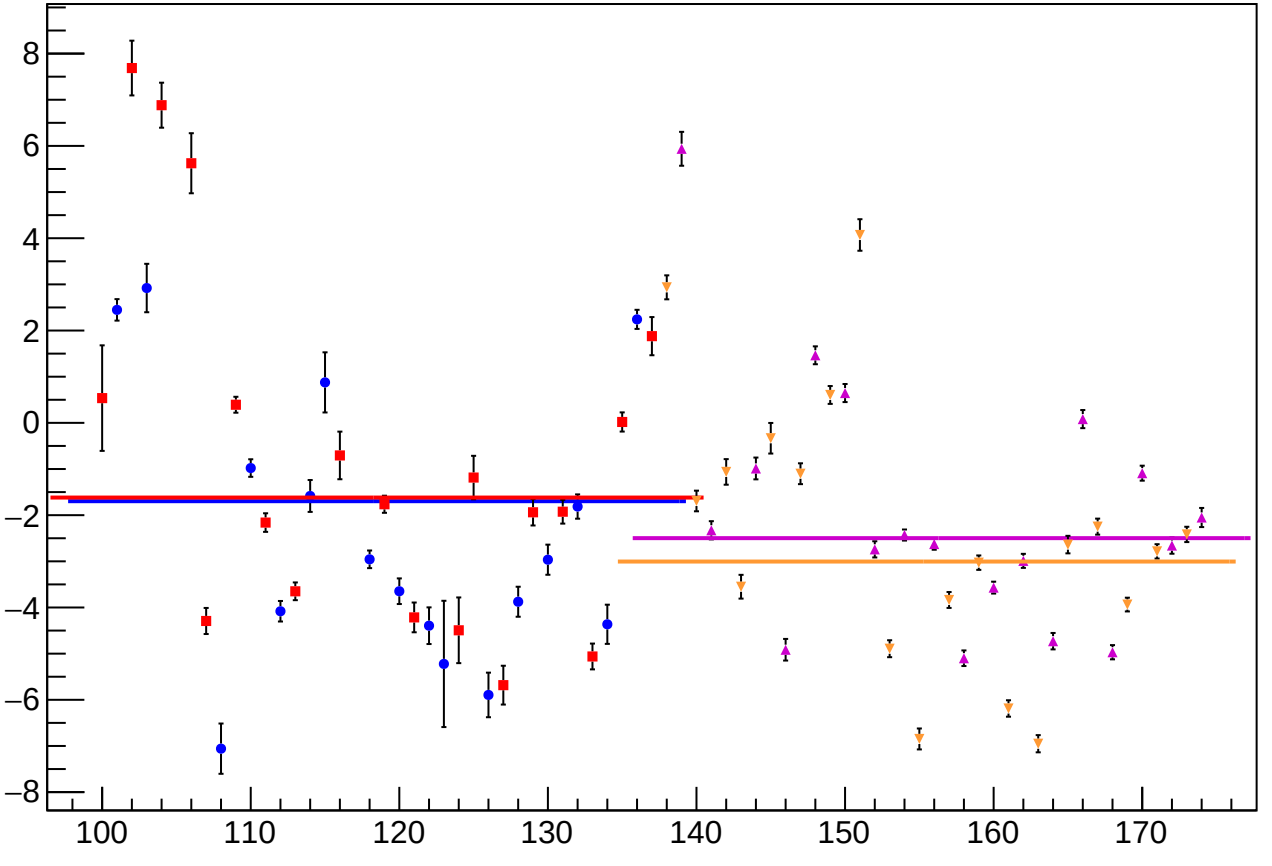
Right: -2.391+/-0.074 χ^2/NDF: 1368.3/35

In: 15.169+/-0.043 χ^2/NDF:65064.2/34

Out: 16.799+/-0.047 χ^2/NDF:105634.5/37

All: 15.920+/-0.032 χ^2/NDF: 171352.9/72

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: -2.498+/-0.040 χ^2/NDF:2339.0/17

Left: -2.722+/-0.030 χ^2/NDF: 5194.4/36

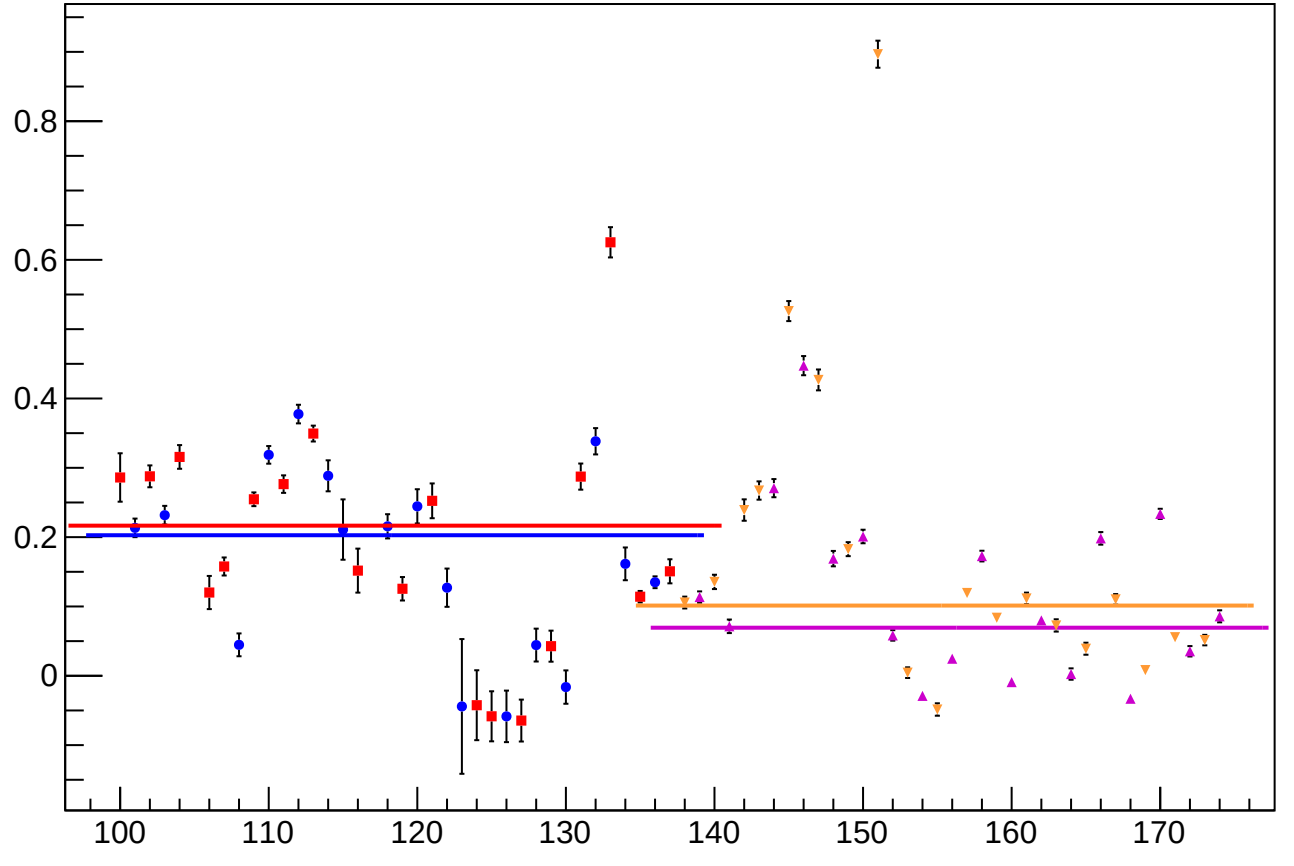
Right: -1.655+/-0.048 χ^2/NDF: 2809.3/35

In: -2.304+/-0.035 χ^2/NDF:3754.6/34

Out: -2.562+/-0.037 χ^2/NDF:4577.2/37

All: -2.426+/-0.025 χ^2/NDF: 8357.4/72

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203+/-0.004 χ^2/NDF: 676.5/16

Left Out: 0.101+/-0.002 χ^2/NDF:4101.1/18

Right Out: 0.217+/-0.004 χ^2/NDF: 1064.4/18

Left In: 0.069+/-0.002 χ^2/NDF:3203.4/17

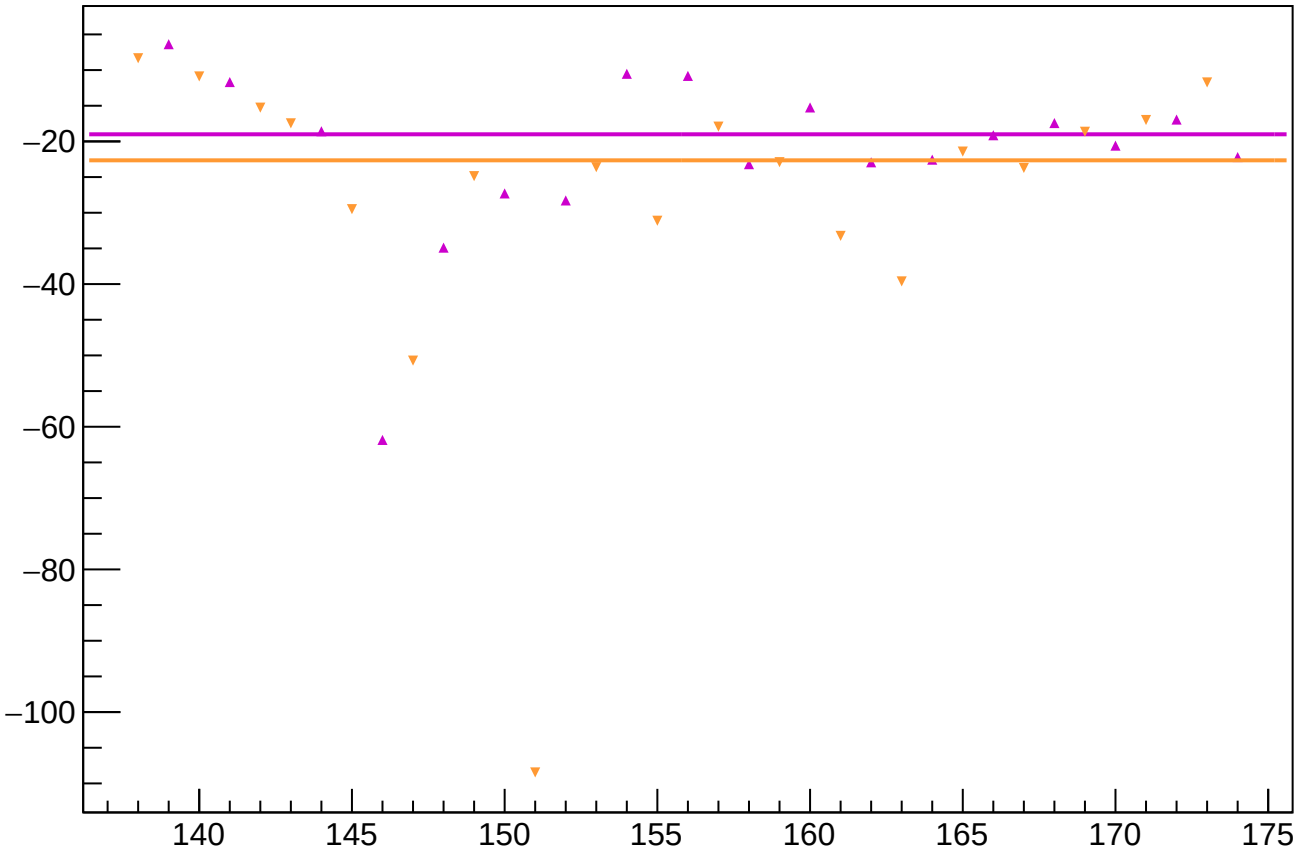
Left: 0.083+/-0.001 χ^2/NDF: 7448.1/36

Right: 0.210+/-0.003 χ^2/NDF: 1747.1/35

In: 0.089+/-0.002 χ^2/NDF:4756.8/34

Out: 0.128+/-0.002 χ^2/NDF:5914.7/37

All: 0.107+/-0.001 χ^2/NDF: 10926.9/72



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

Left Out: -22.653+/-0.053 χ^2/NDF:62291.6/18

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

Left In: -19.002+/-0.048 χ^2/NDF:37422.9/17

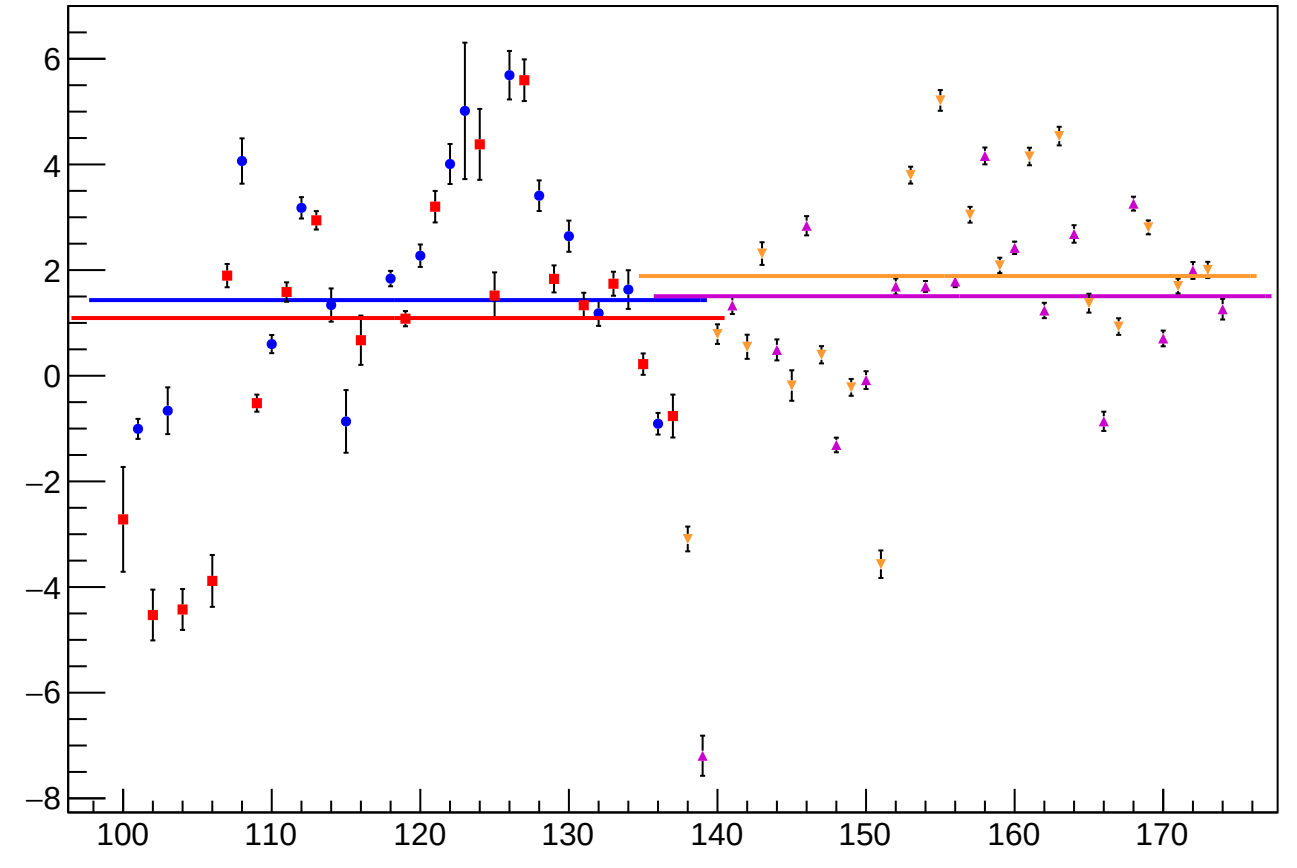
Left: -20.628+/-0.036 χ^2/NDF: 102321.3/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -19.002+/-0.048 χ^2/NDF:37422.9/17

Out: -22.653+/-0.053 χ^2/NDF:62291.6/18

All: -20.628+/-0.036 χ^2/NDF: 102321.3/36



Right In: 1.432+/-0.062 χ^2/NDF: 696.6/16

Left Out: 1.888+/-0.040 χ^2/NDF:2269.7/18

Right Out: 1.092+/-0.058 χ^2/NDF: 953.2/18

Left In: 1.506+/-0.035 χ^2/NDF:1895.6/17

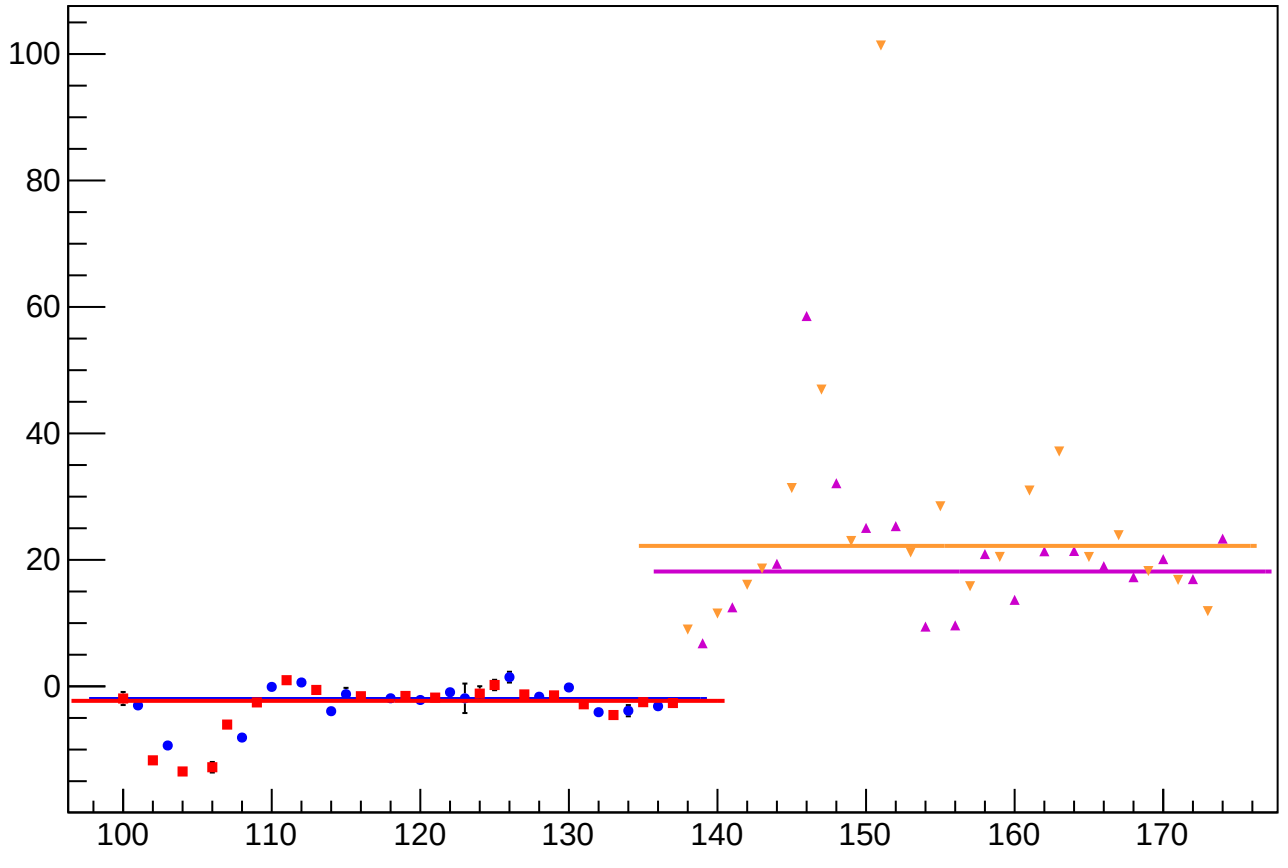
Left: 1.675+/-0.026 χ^2/NDF: 4217.2/36

Right: 1.251+/-0.042 χ^2/NDF: 1665.8/35

In: 1.487+/-0.031 χ^2/NDF:2593.2/34

Out: 1.634+/-0.033 χ^2/NDF:3351.6/37

All: 1.556+/-0.022 χ^2/NDF: 5955.7/72



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: 18.159+/-0.047 χ^2/NDF:35723.8/17

Left: 19.938+/-0.035 χ^2/NDF: 94568.3/36

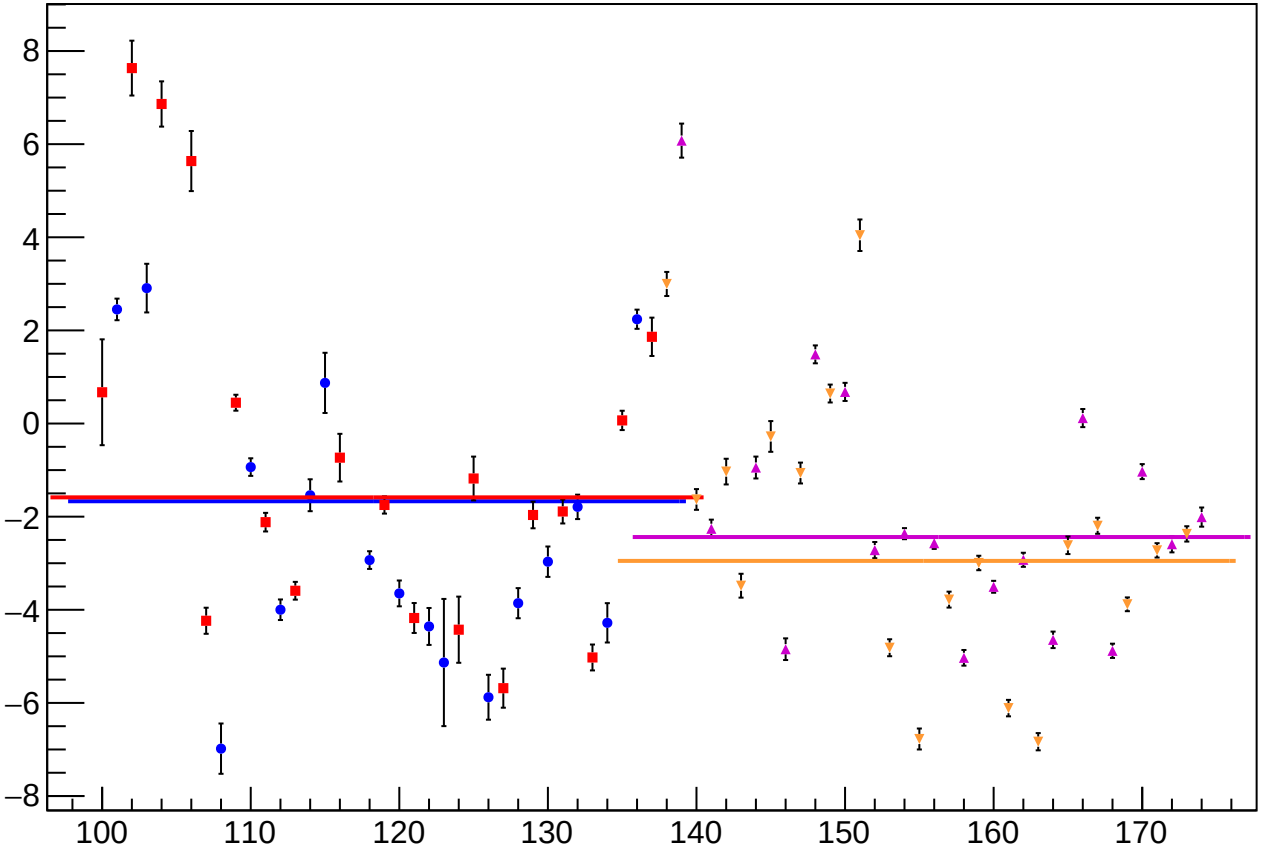
Right: -2.167+/-0.074 χ^2/NDF: 1374.2/35

In: 15.119+/-0.043 χ^2/NDF:64354.1/34

Out: 16.749+/-0.046 χ^2/NDF:104582.2/37

All: 15.871+/-0.032 χ^2/NDF: 169599.1/72

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: -2.438+/-0.040 χ^2/NDF:2349.2/17

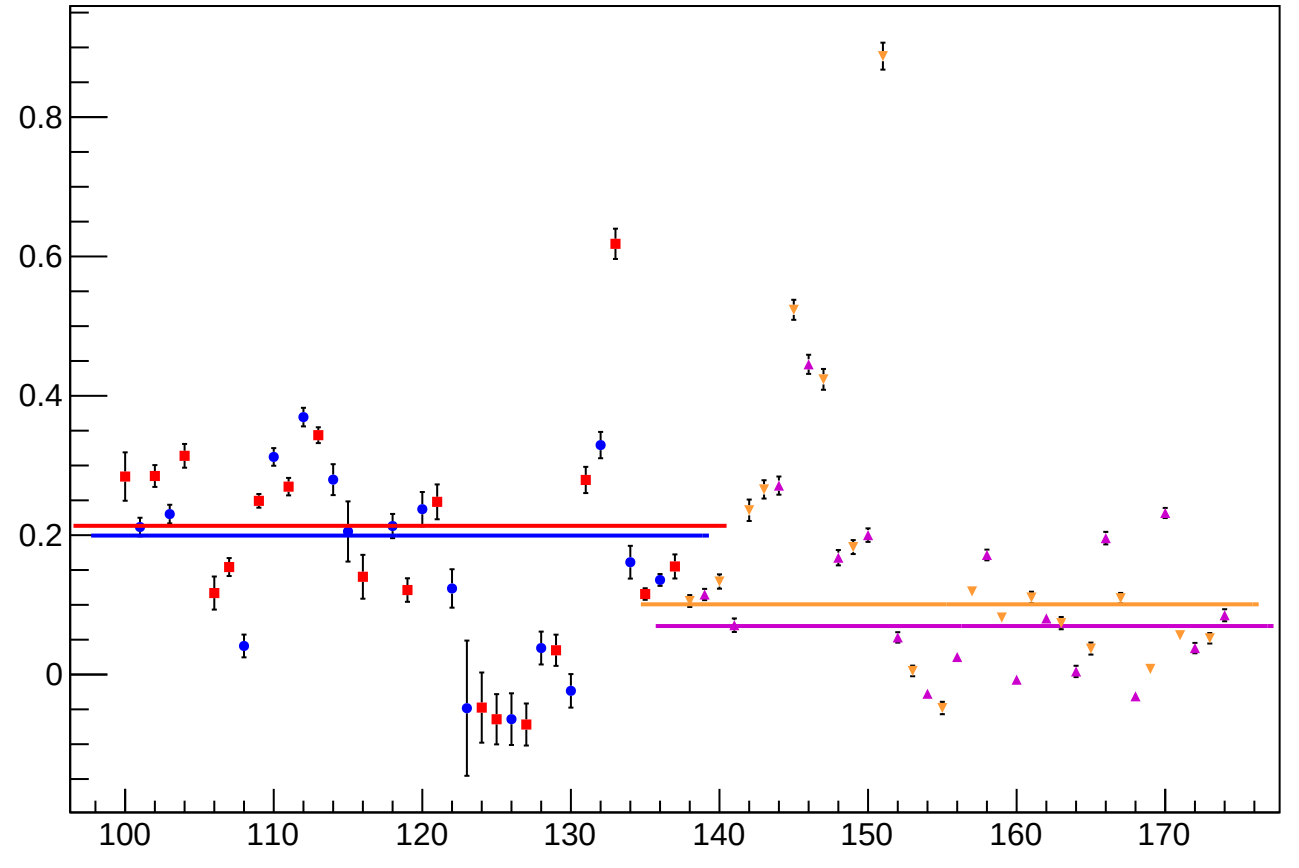
Left: -2.665+/-0.030 χ^2/NDF: 5205.3/36

Right: -1.624+/-0.048 χ^2/NDF: 2810.4/35

In: -2.252+/-0.035 χ^2/NDF:3753.6/34

Out: -2.516+/-0.037 χ^2/NDF:4574.6/37

All: -2.376+/-0.025 χ^2/NDF: 8355.2/72



Right In: 0.199+/-0.004 χ^2/NDF: 662.1/16

Left Out: 0.101+/-0.002 χ^2/NDF:4092.1/18

Right Out: 0.213+/-0.004 χ^2/NDF: 1048.2/18

Left In: 0.070+/-0.002 χ^2/NDF:3177.2/17

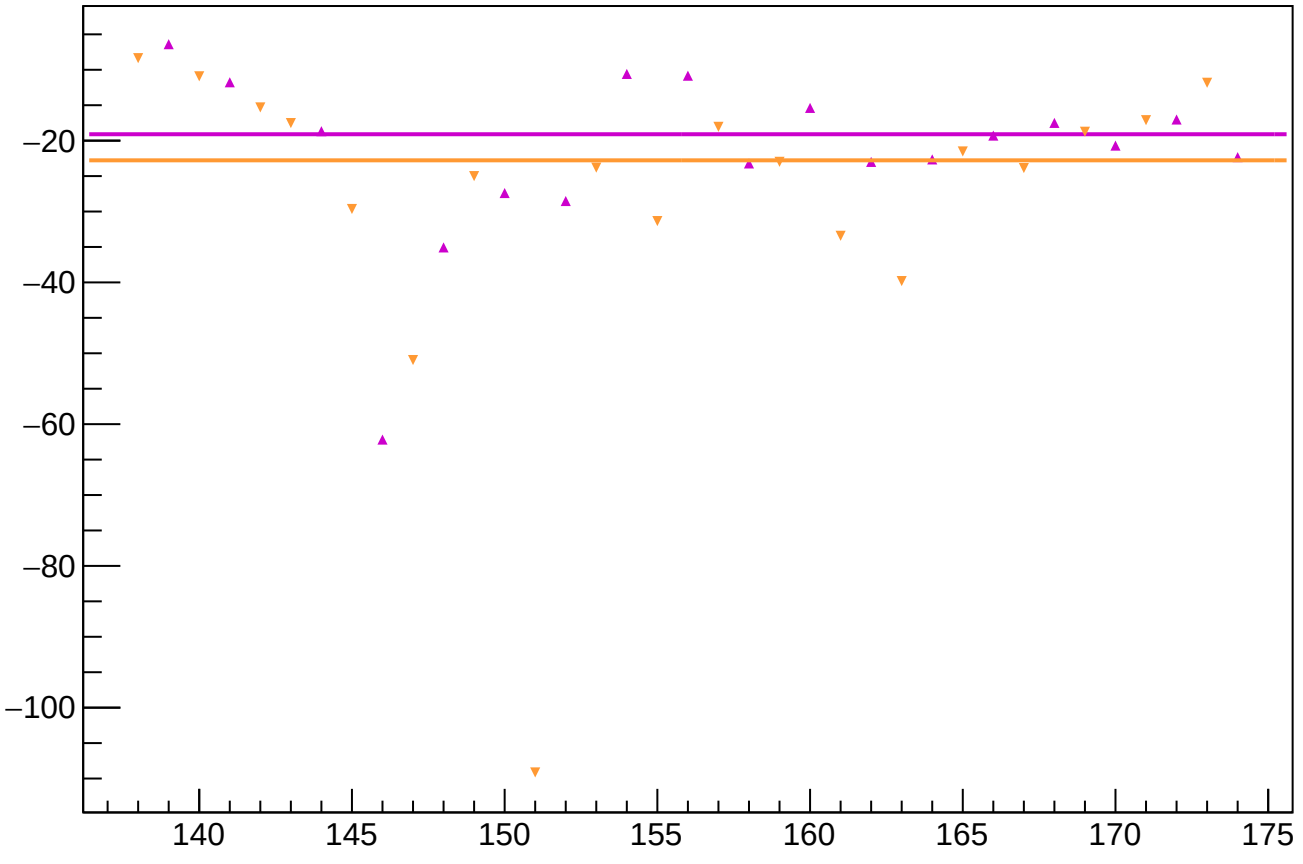
Left: 0.083+/-0.001 χ^2/NDF: 7407.7/36

Right: 0.207+/-0.003 χ^2/NDF: 1716.7/35

In: 0.089+/-0.002 χ^2/NDF:4678.3/34

Out: 0.126+/-0.002 χ^2/NDF:5863.8/37

All: 0.106+/-0.001 χ^2/NDF: 10789.2/72



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: -19.095+/-0.048 χ^2/NDF:37495.8/17

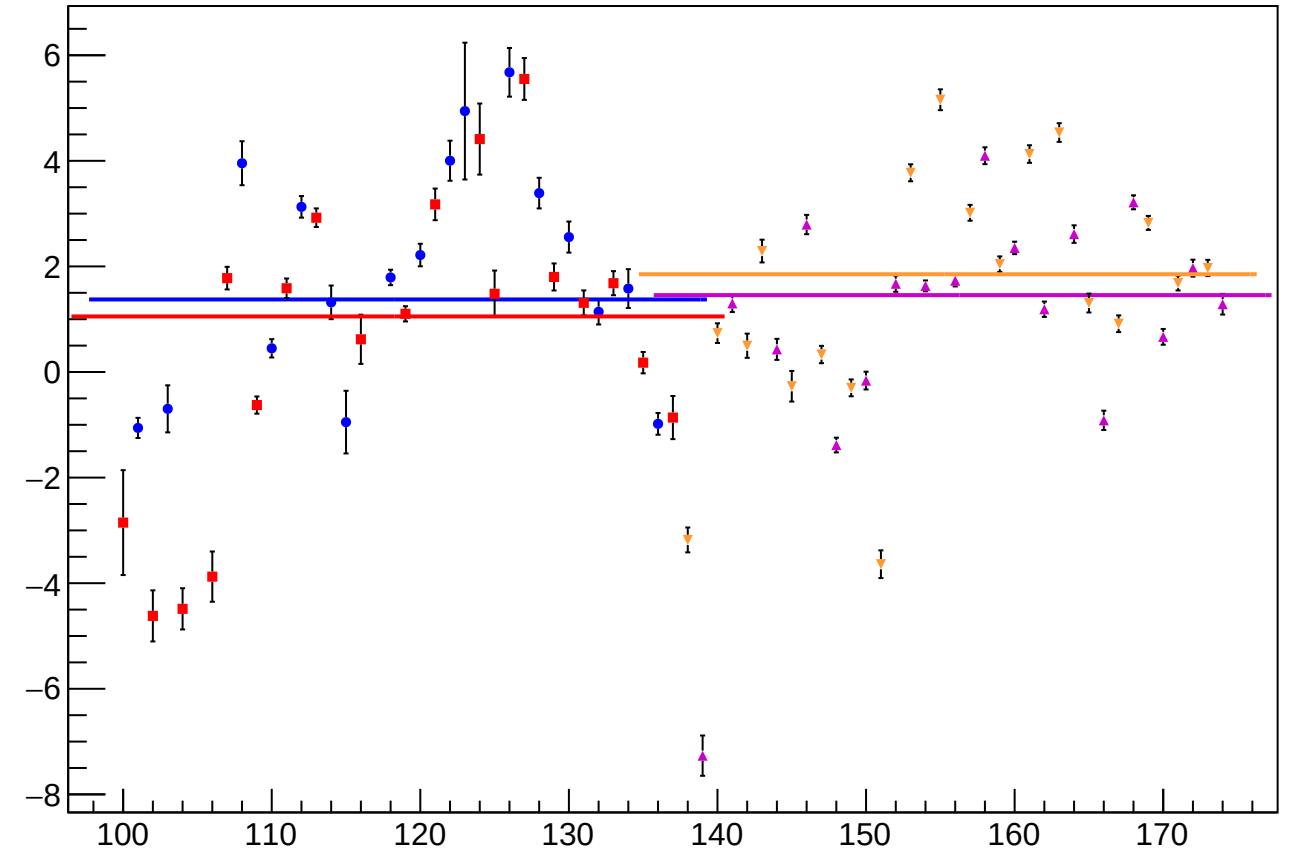
Left: -20.734+/-0.036 χ^2/NDF: 102530.9/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -19.095+/-0.048 χ^2/NDF:37495.8/17

Out: -22.777+/-0.053 χ^2/NDF:62404.8/18

All: -20.734+/-0.036 χ^2/NDF: 102530.9/36



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: 1.456+/-0.035 χ^2/NDF:1887.5/17

Left: 1.632+/-0.026 χ^2/NDF: 4234.8/36

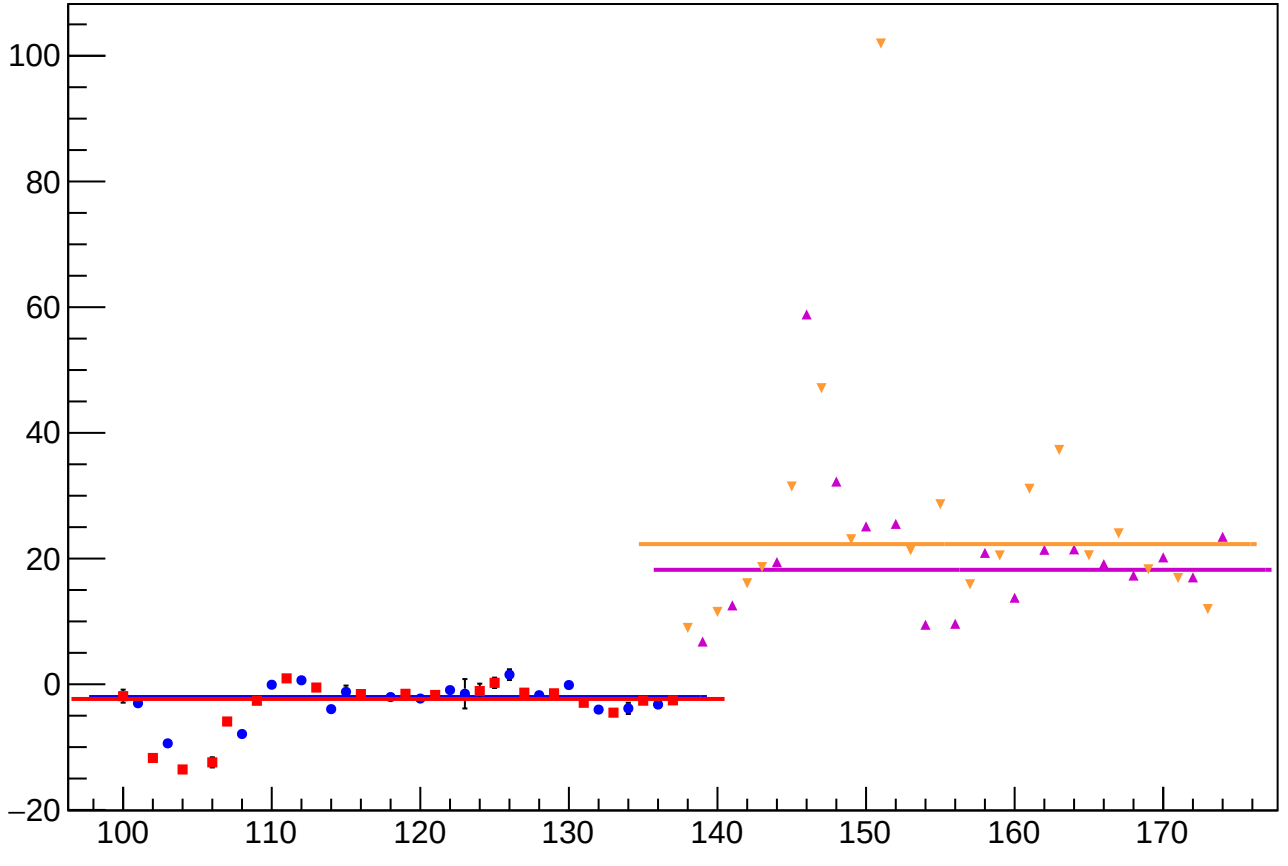
Right: 1.203+/-0.042 χ^2/NDF: 1680.9/35

In: 1.436+/-0.031 χ^2/NDF:2591.3/34

Out: 1.597+/-0.033 χ^2/NDF:3385.4/37

All: 1.511+/-0.022 χ^2/NDF: 5989.5/72

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: 18.213+/-0.047 χ^2/NDF:35808.3/17

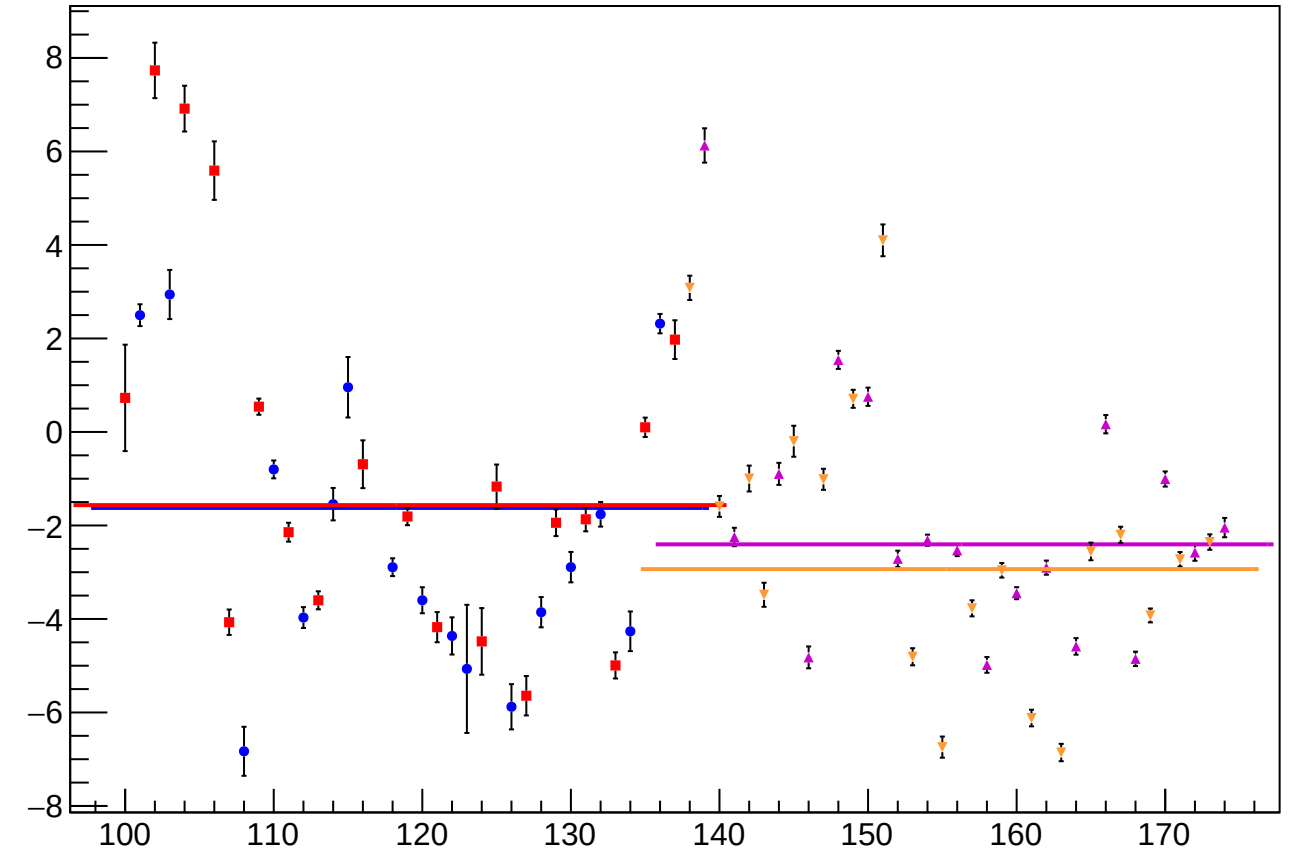
Left: 20.006+/-0.035 χ^2/NDF: 94781.5/36

Right: -2.202+/-0.074 χ^2/NDF: 1369.3/35

In: 15.169+/-0.043 χ^2/NDF:64376.9/34

Out: 16.815+/-0.047 χ^2/NDF:104729.6/37

All: 15.928+/-0.032 χ^2/NDF: 169776.9/72



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: -2.404+/-0.040 χ^2/NDF:2339.4/17

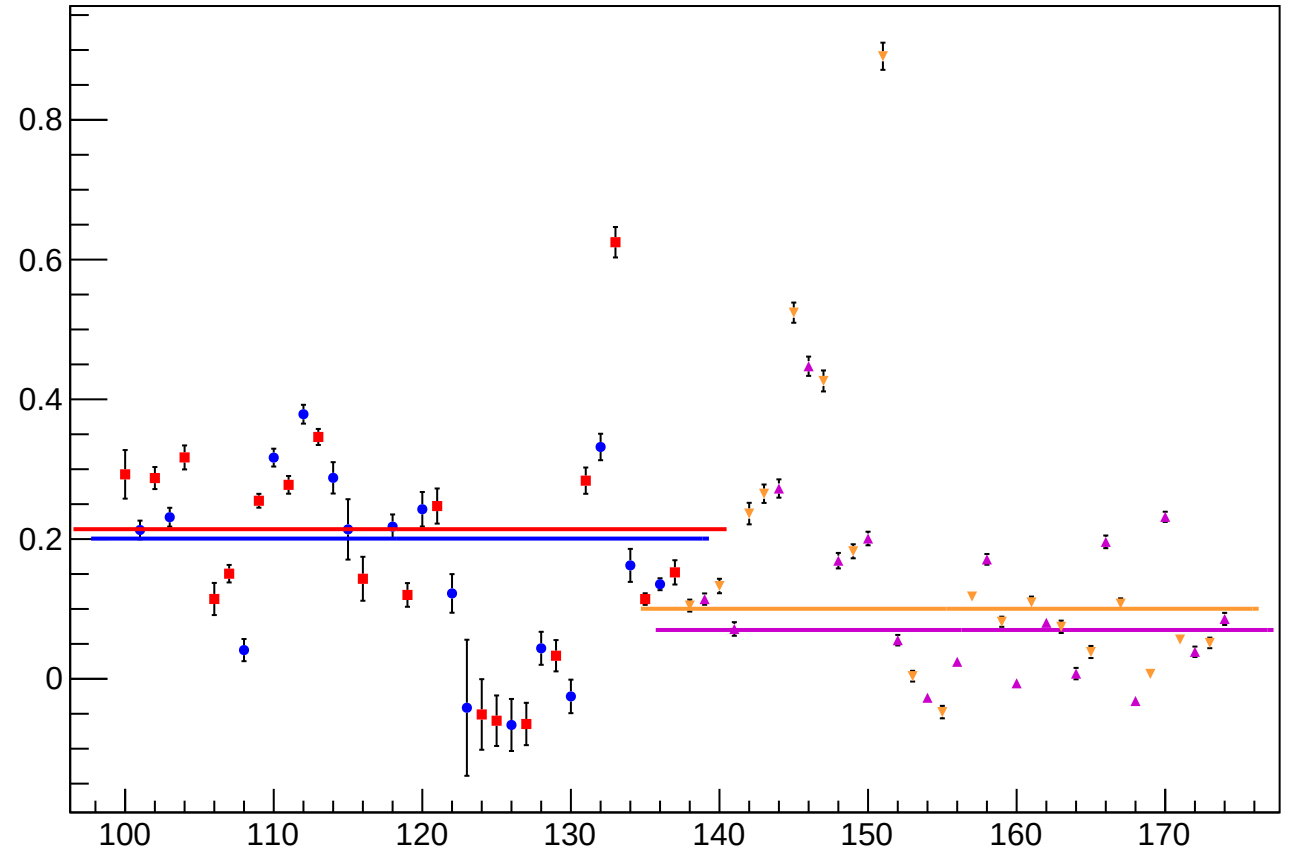
Left: -2.639+/-0.030 χ^2/NDF: 5228.1/36

Right: -1.592+/-0.048 χ^2/NDF: 2826.9/35

In: -2.216+/-0.035 χ^2/NDF:3751.3/34

Out: -2.498+/-0.037 χ^2/NDF:4613.6/37

All: -2.349+/-0.025 χ^2/NDF: 8395.5/72



Right In: 0.201+/-0.004 χ^2/NDF: 690.6/16

Left Out: 0.100+/-0.002 χ^2/NDF:4079.6/18

Right Out: 0.214+/-0.004 χ^2/NDF: 1080.4/18

Left In: 0.070+/-0.002 χ^2/NDF:3155.7/17

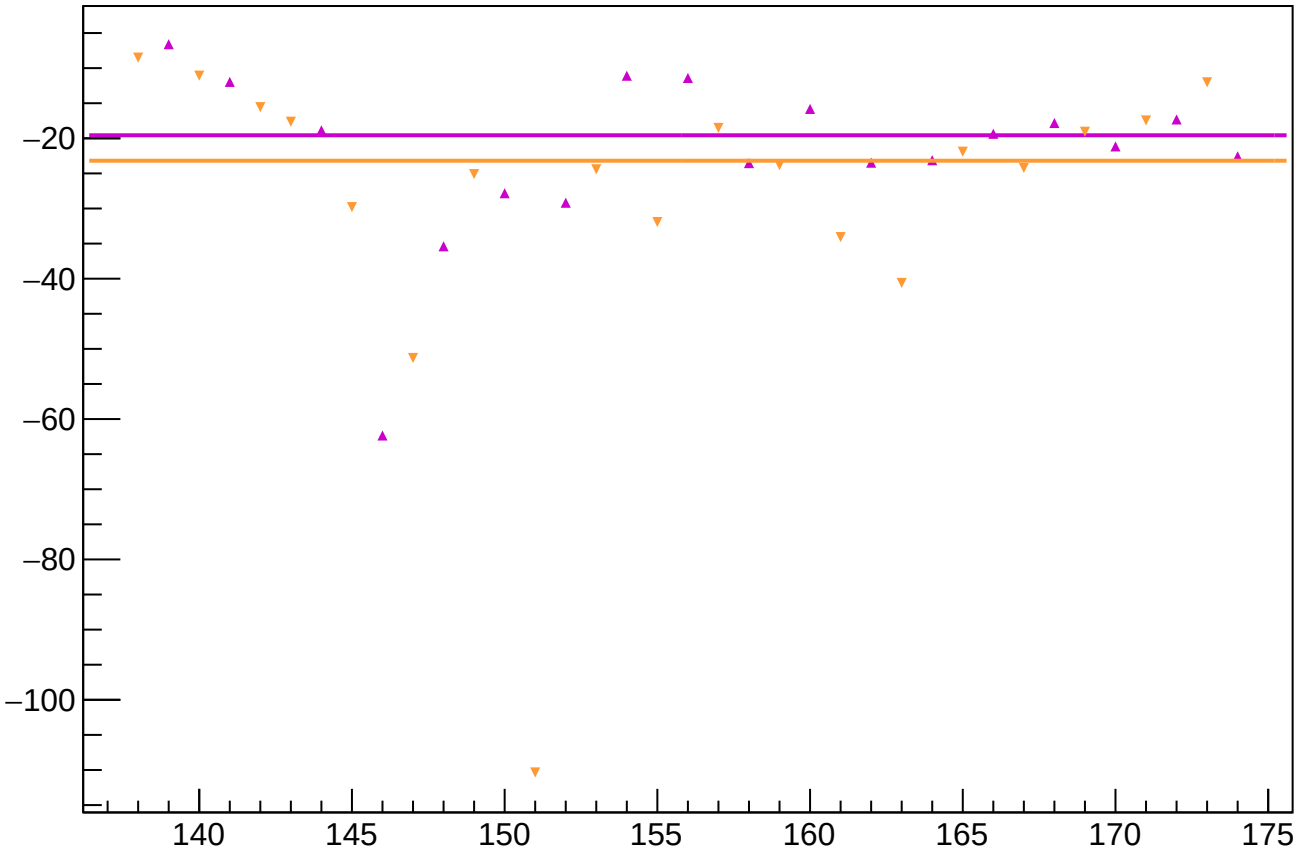
Left: 0.083+/-0.001 χ^2/NDF: 7365.7/36

Right: 0.208+/-0.003 χ^2/NDF: 1776.9/35

In: 0.090+/-0.002 χ^2/NDF:4692.0/34

Out: 0.126+/-0.002 χ^2/NDF:5895.8/37

All: 0.106+/-0.001 χ^2/NDF: 10825.6/72



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: -19.566+/-0.049 χ^2/NDF:36329.9/17

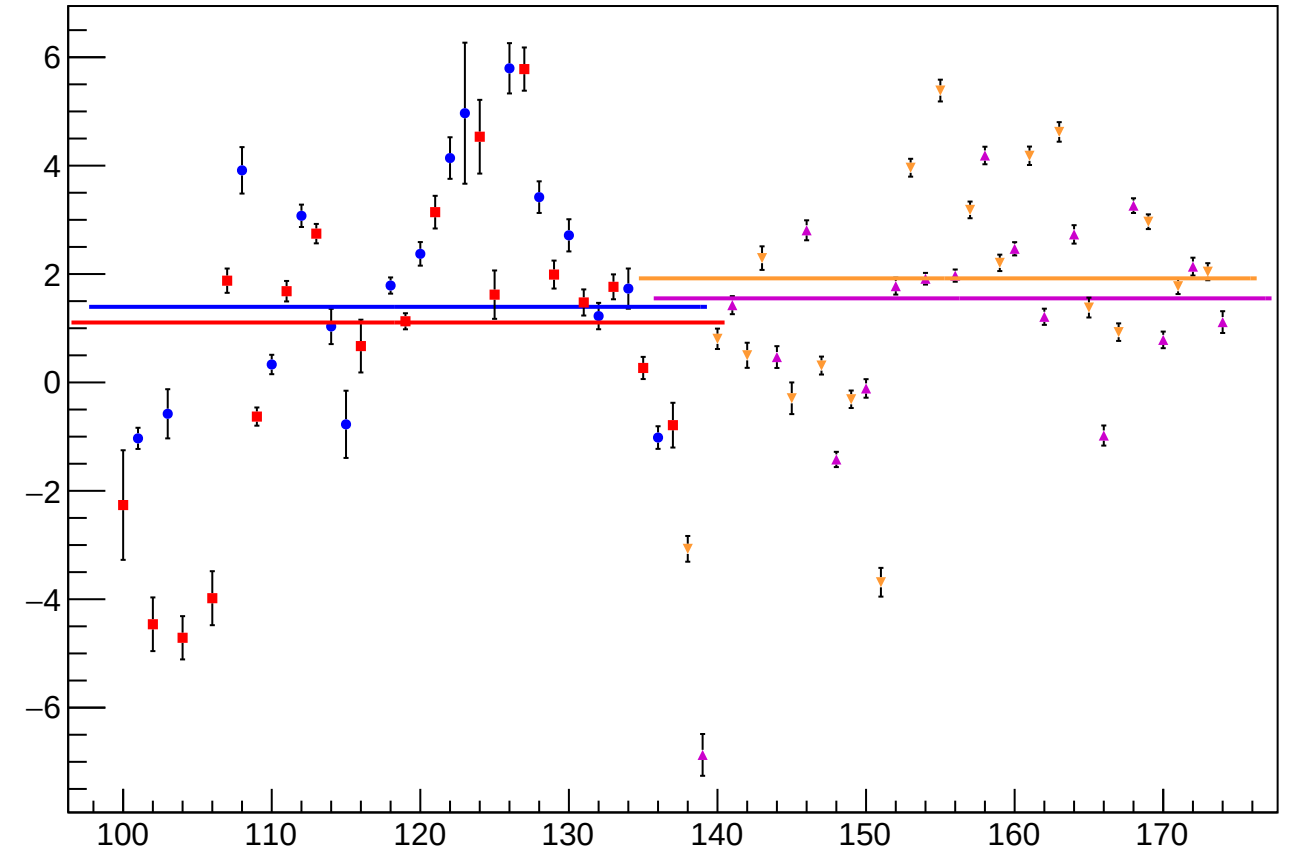
Left: -21.187+/-0.036 χ^2/NDF: 101034.1/36

Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -19.566+/-0.049 χ^2/NDF:36329.9/17

Out: -23.191+/-0.055 χ^2/NDF:62260.9/18

All: -21.187+/-0.036 χ^2/NDF: 101034.1/36



Right In: 1.395+/-0.063 χ^2/NDF: 701.4/16

Left Out: 1.920+/-0.040 χ^2/NDF:2337.6/18

Right Out: 1.106+/-0.059 χ^2/NDF: 937.0/18

Left In: 1.551+/-0.036 χ^2/NDF:1882.7/17

Left: 1.716+/-0.027 χ^2/NDF: 4266.4/36

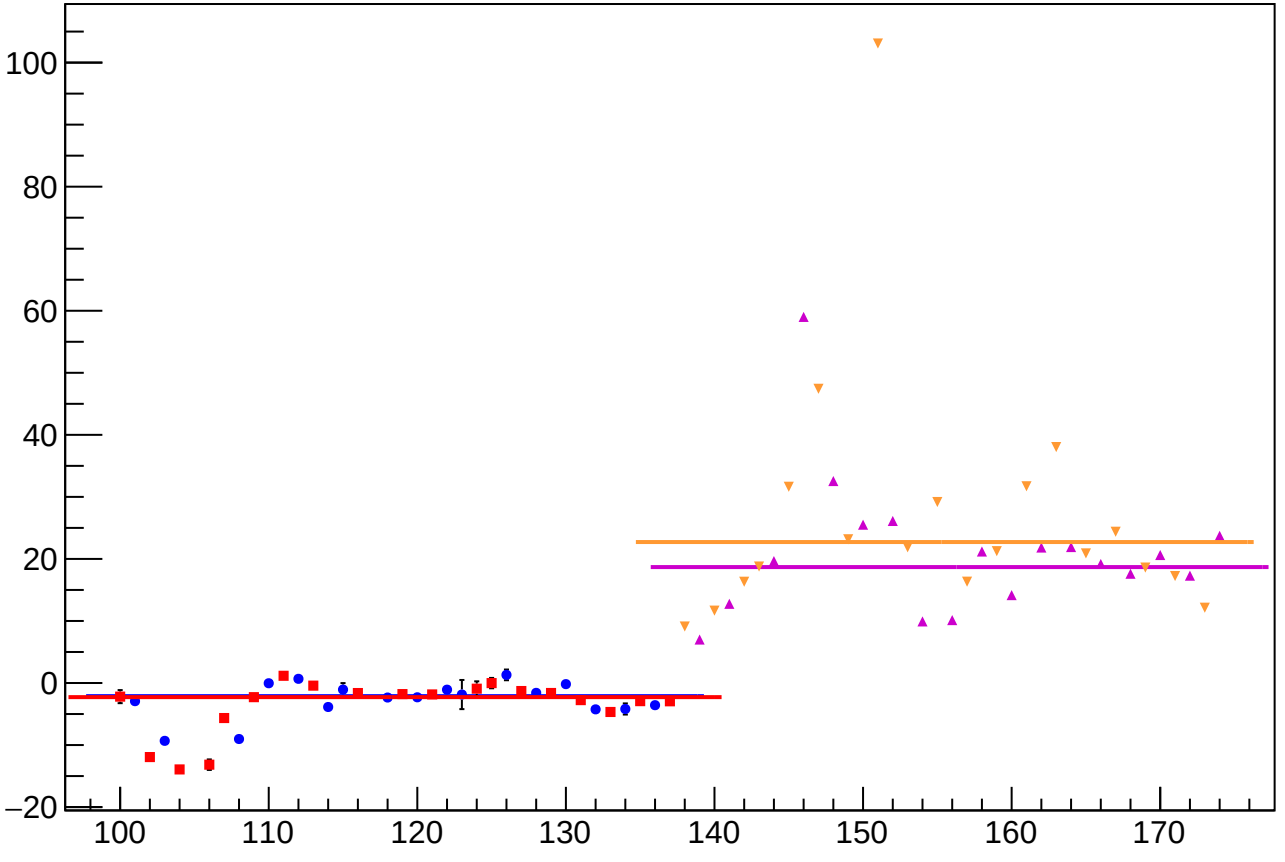
Right: 1.241+/-0.043 χ^2/NDF: 1649.6/35

In: 1.512+/-0.031 χ^2/NDF:2588.8/34

Out: 1.661+/-0.033 χ^2/NDF:3403.5/37

All: 1.582+/-0.023 χ^2/NDF: 6002.8/72

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: 18.686+/-0.048 χ^2/NDF:34490.5/17

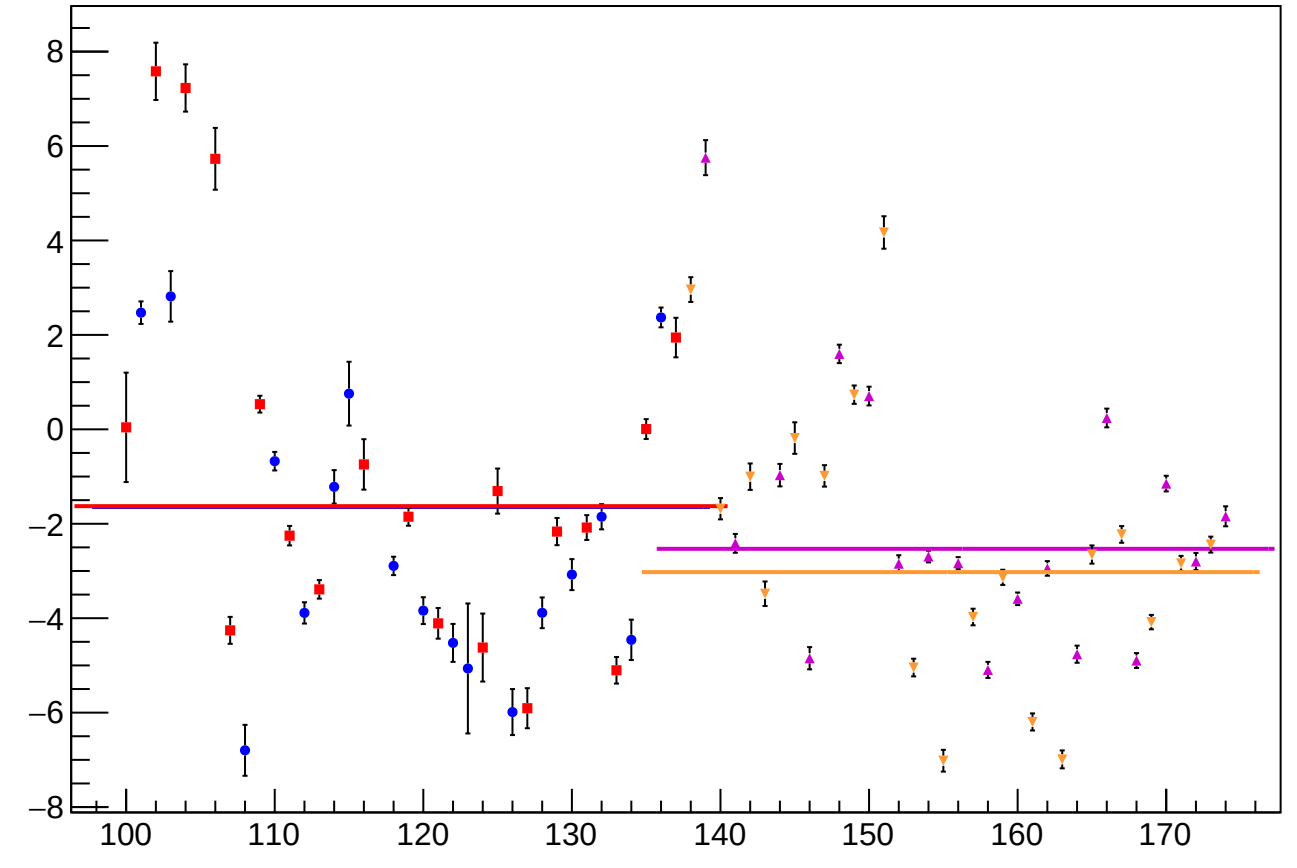
Left: 20.466+/-0.036 χ^2/NDF: 92985.2/36

Right: -2.207+/-0.075 χ^2/NDF: 1406.8/35

In: 15.523+/-0.044 χ^2/NDF:63570.7/34

Out: 17.166+/-0.048 χ^2/NDF:103904.6/37

All: 16.283+/-0.032 χ^2/NDF: 168114.8/72



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: -2.531+/-0.041 χ^2/NDF:2312.6/17

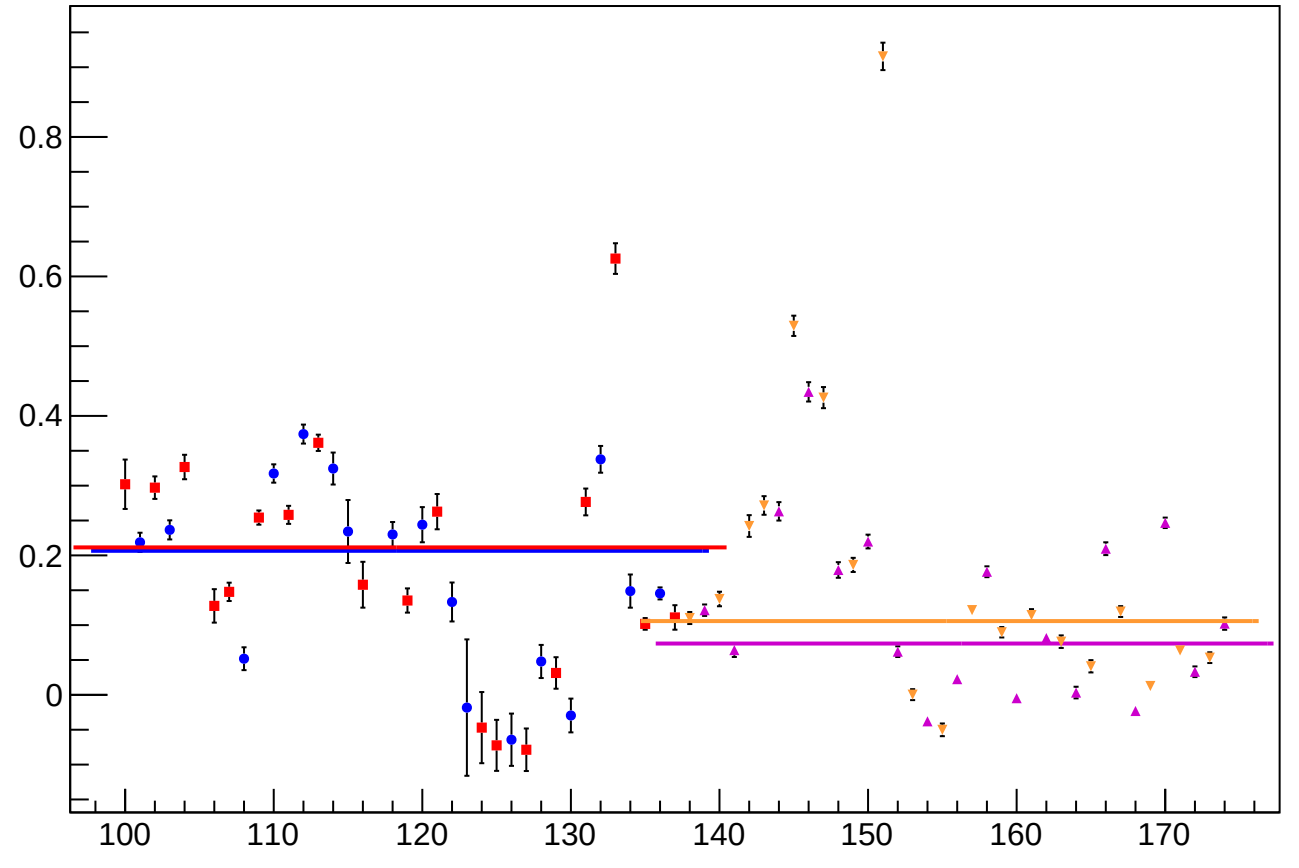
Left: -2.750+/-0.031 χ^2/NDF: 5230.7/36

Right: -1.635+/-0.049 χ^2/NDF: 2778.2/35

In: -2.315+/-0.036 χ^2/NDF:3736.5/34

Out: -2.579+/-0.038 χ^2/NDF:4618.5/37

All: -2.439+/-0.026 χ^2/NDF: 8380.8/72



Right In: 0.207+/-0.004 χ^2/NDF: 655.0/16

Left Out: 0.106+/-0.002 χ^2/NDF:4109.6/18

Right Out: 0.211+/-0.004 χ^2/NDF: 1145.6/18

Left In: 0.074+/-0.002 χ^2/NDF:3255.7/17

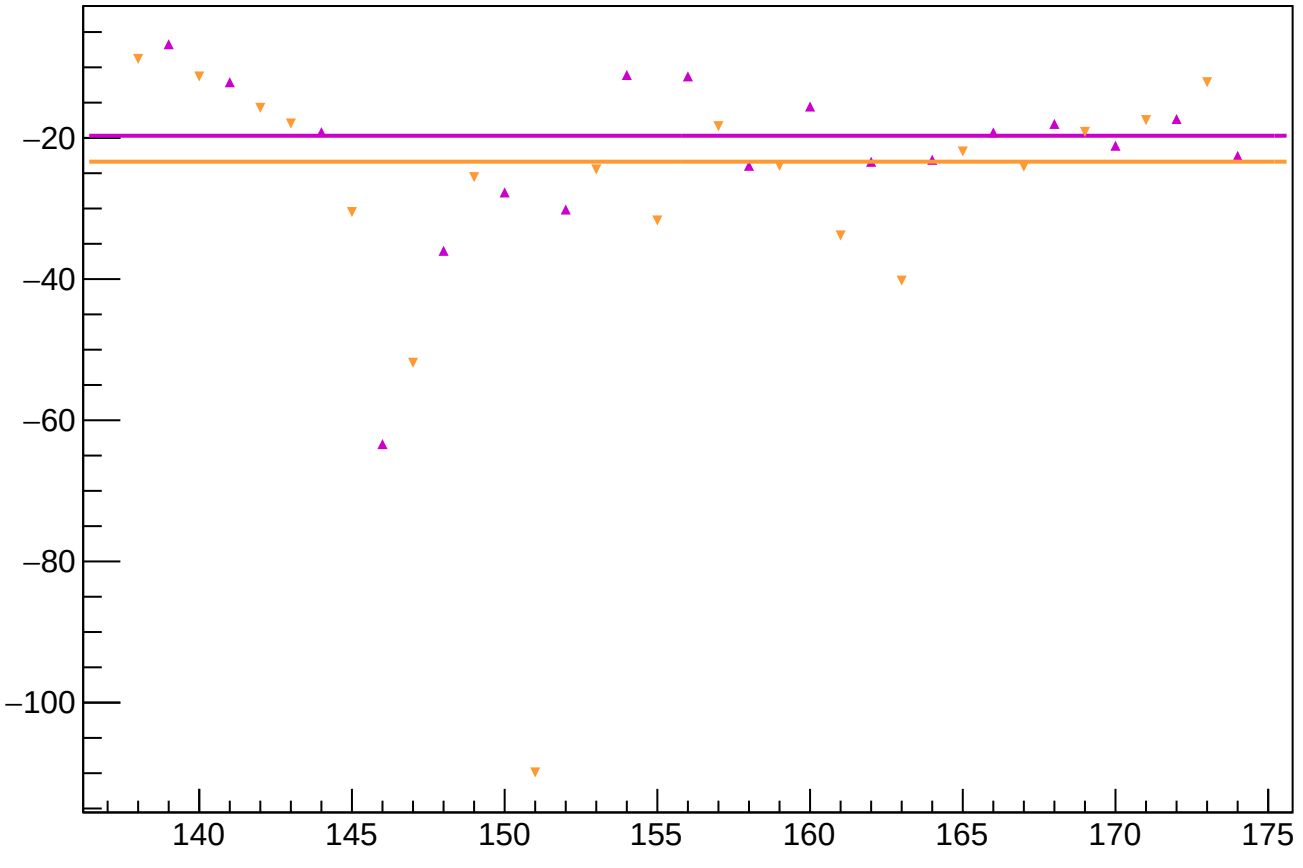
Left: 0.088+/-0.001 χ^2/NDF: 7505.4/36

Right: 0.209+/-0.003 χ^2/NDF: 1801.3/35

In: 0.094+/-0.002 χ^2/NDF:4752.6/34

Out: 0.130+/-0.002 χ^2/NDF:5863.0/37

All: 0.110+/-0.001 χ^2/NDF: 10835.0/72



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

Left Out: -23.365+/-0.055 χ^2/NDF:61033.9/18

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

Left In: -19.690+/-0.050 χ^2/NDF:36613.8/17

Left: -21.337+/-0.037 χ^2/NDF: 100103.6/36

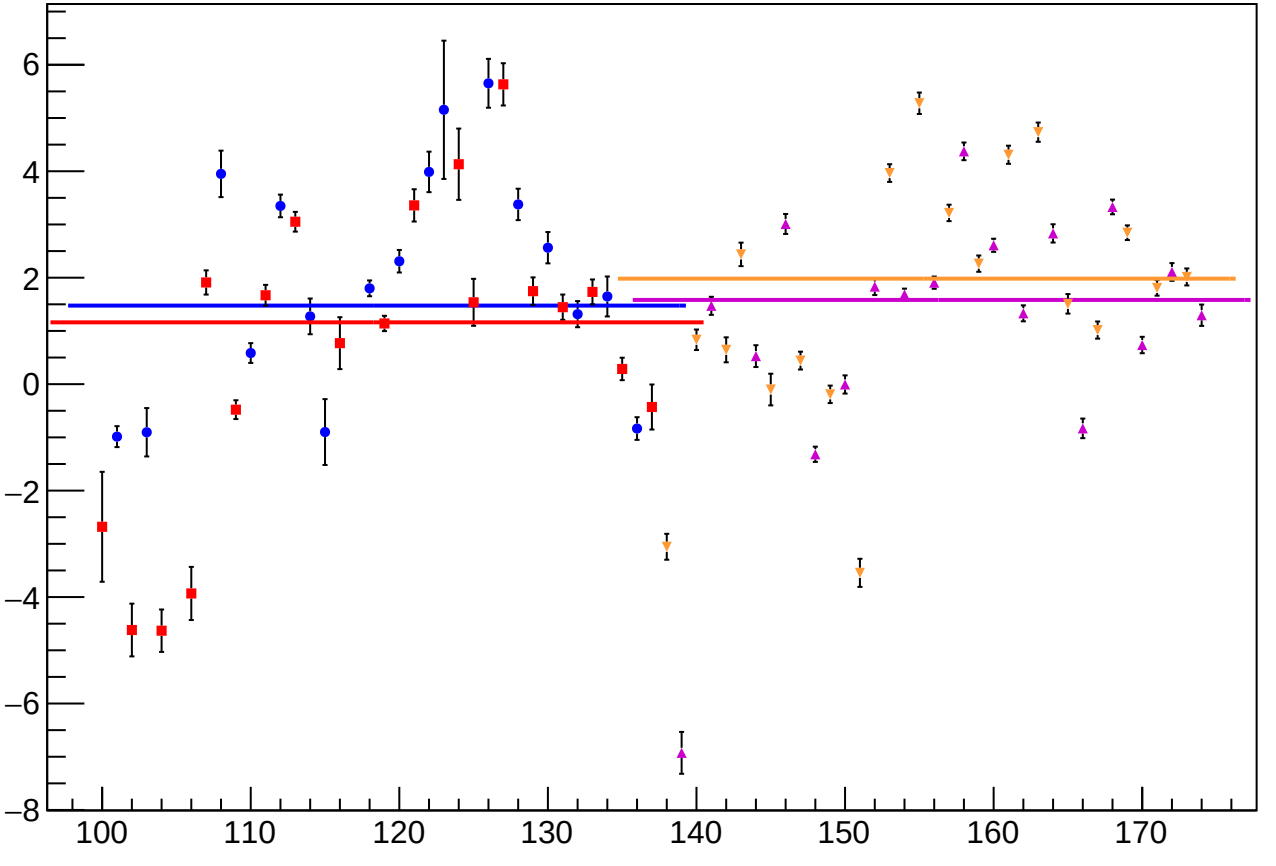
Right: 0.000+/-0.000 χ^2/NDF: 0.0/0

In: -19.690+/-0.050 χ^2/NDF:36613.8/17

Out: -23.365+/-0.055 χ^2/NDF:61033.9/18

All: -21.337+/-0.037 χ^2/NDF: 100103.6/36

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.476+/-0.064 χ^2/NDF: 659.7/16

Left Out: 1.982+/-0.041 χ^2/NDF:2226.8/18

Right Out: 1.161+/-0.060 χ^2/NDF: 917.9/18

Left In: 1.582+/-0.037 χ^2/NDF:1843.2/17

Left: 1.761+/-0.027 χ^2/NDF: 4122.9/36

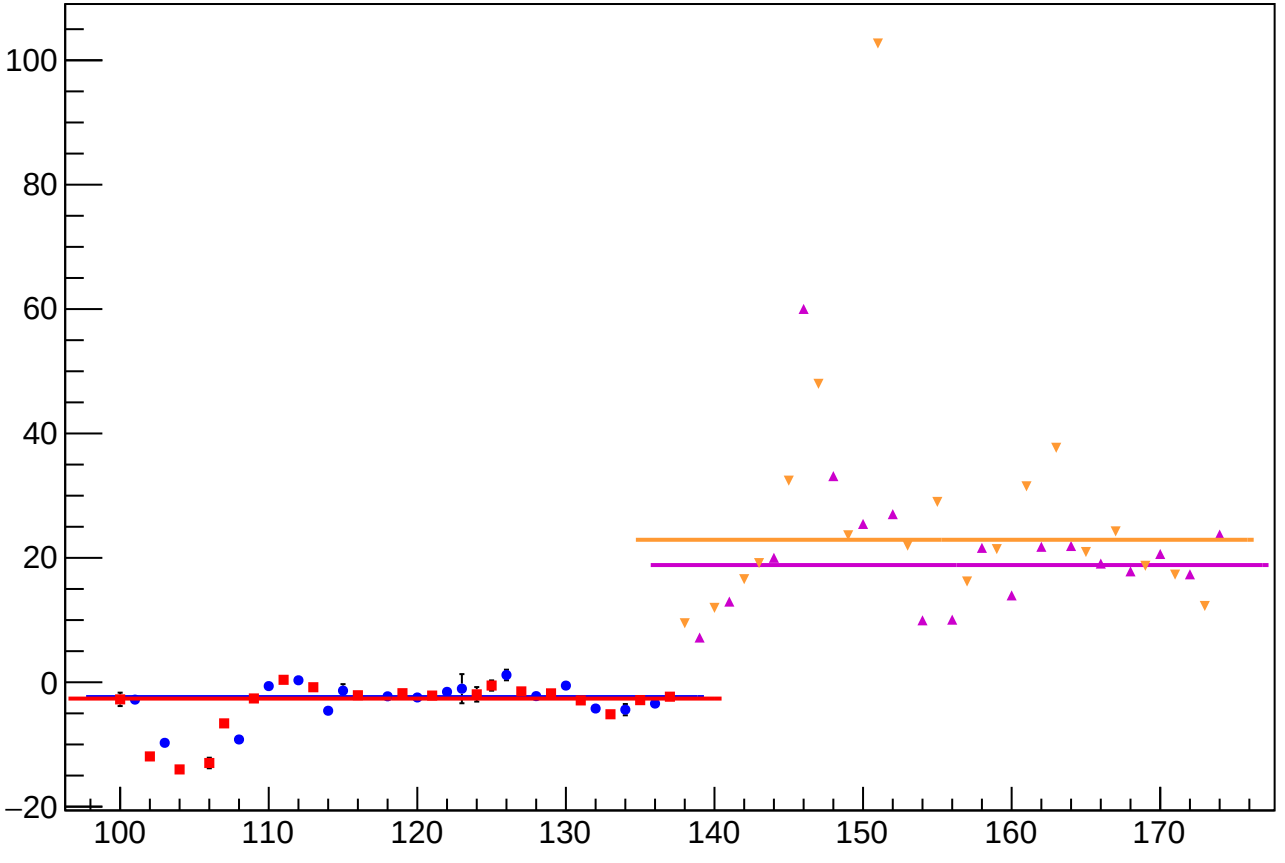
Right: 1.309+/-0.044 χ^2/NDF: 1590.5/35

In: 1.556+/-0.032 χ^2/NDF:2504.9/34

Out: 1.722+/-0.034 χ^2/NDF:3272.7/37

All: 1.634+/-0.023 χ^2/NDF: 5790.5/72

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380+/-0.115 χ^2/NDF: 438.8/16

Left Out: 22.908+/-0.055 χ^2/NDF:54385.0/18

Right Out: -2.623+/-0.103 χ^2/NDF: 841.3/18

Left In: 18.845+/-0.049 χ^2/NDF:34783.2/17

Left: 20.643+/-0.036 χ^2/NDF: 92264.7/36

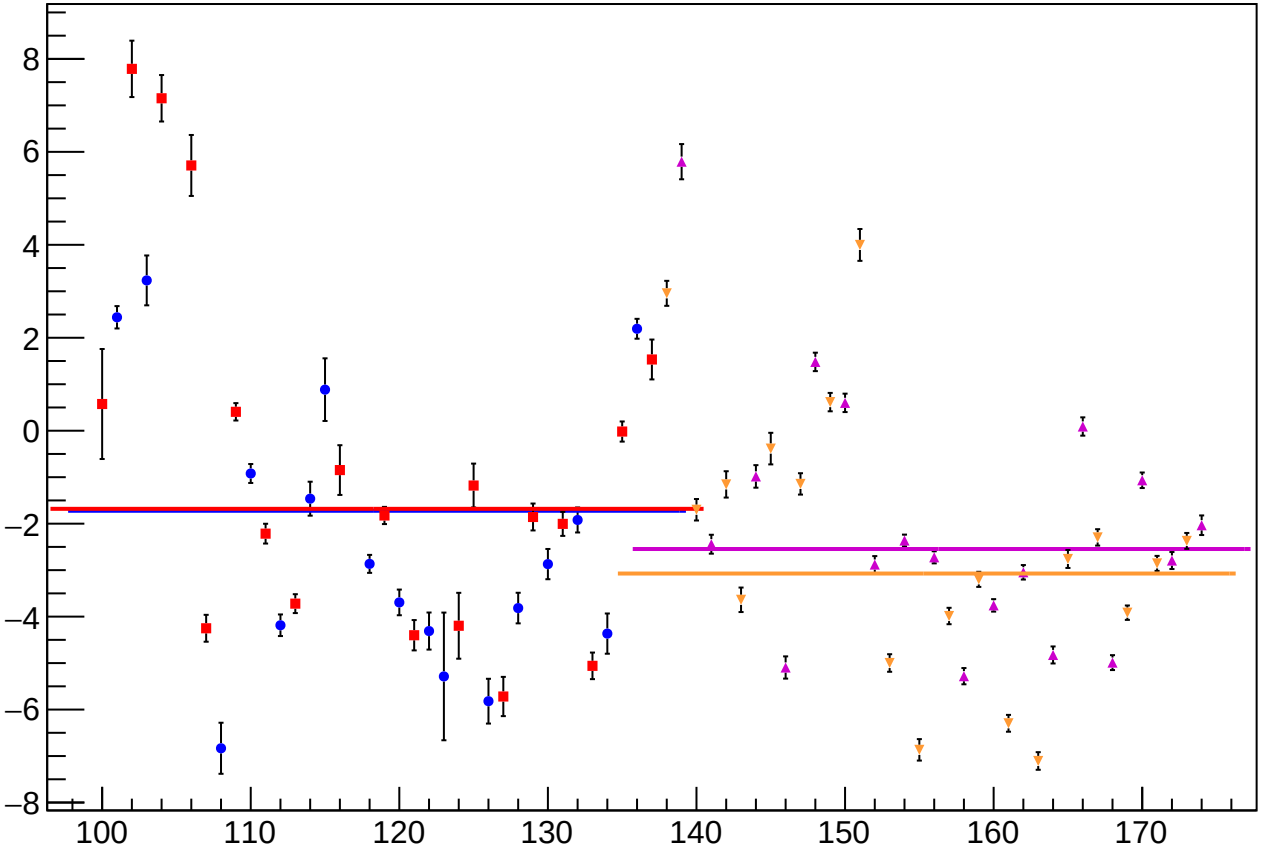
Right: -2.514+/-0.077 χ^2/NDF: 1282.5/35

In: 15.633+/-0.045 χ^2/NDF:64115.8/34

Out: 17.341+/-0.048 χ^2/NDF:103030.5/37

All: 16.423+/-0.033 χ^2/NDF: 167820.4/72

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: -2.545+/-0.042 χ^2/NDF:2299.5/17

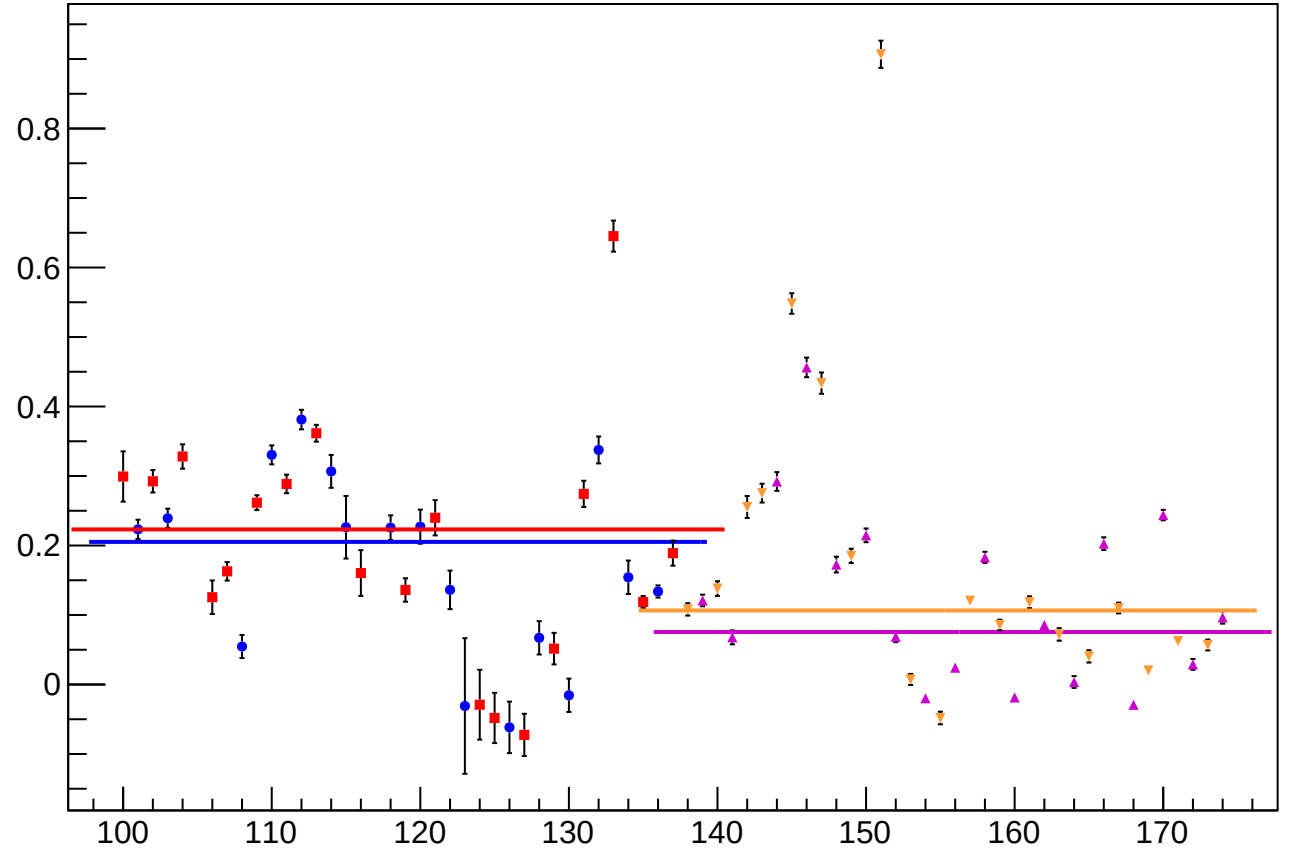
Left: -2.781+/-0.031 χ^2/NDF: 5106.2/36

Right: -1.700+/-0.050 χ^2/NDF: 2678.8/35

In: -2.344+/-0.036 χ^2/NDF:3642.9/34

Out: -2.633+/-0.038 χ^2/NDF:4452.7/37

All: -2.481+/-0.026 χ^2/NDF: 8125.7/72



Right In: 0.205+/-0.004 χ^2/NDF: 650.7/16

Left Out: 0.107+/-0.002 χ^2/NDF:4088.2/18

Right Out: 0.223+/-0.004 χ^2/NDF: 1040.5/18

Left In: 0.076+/-0.002 χ^2/NDF:3225.6/17

Left: 0.089+/-0.001 χ^2/NDF: 7441.0/36

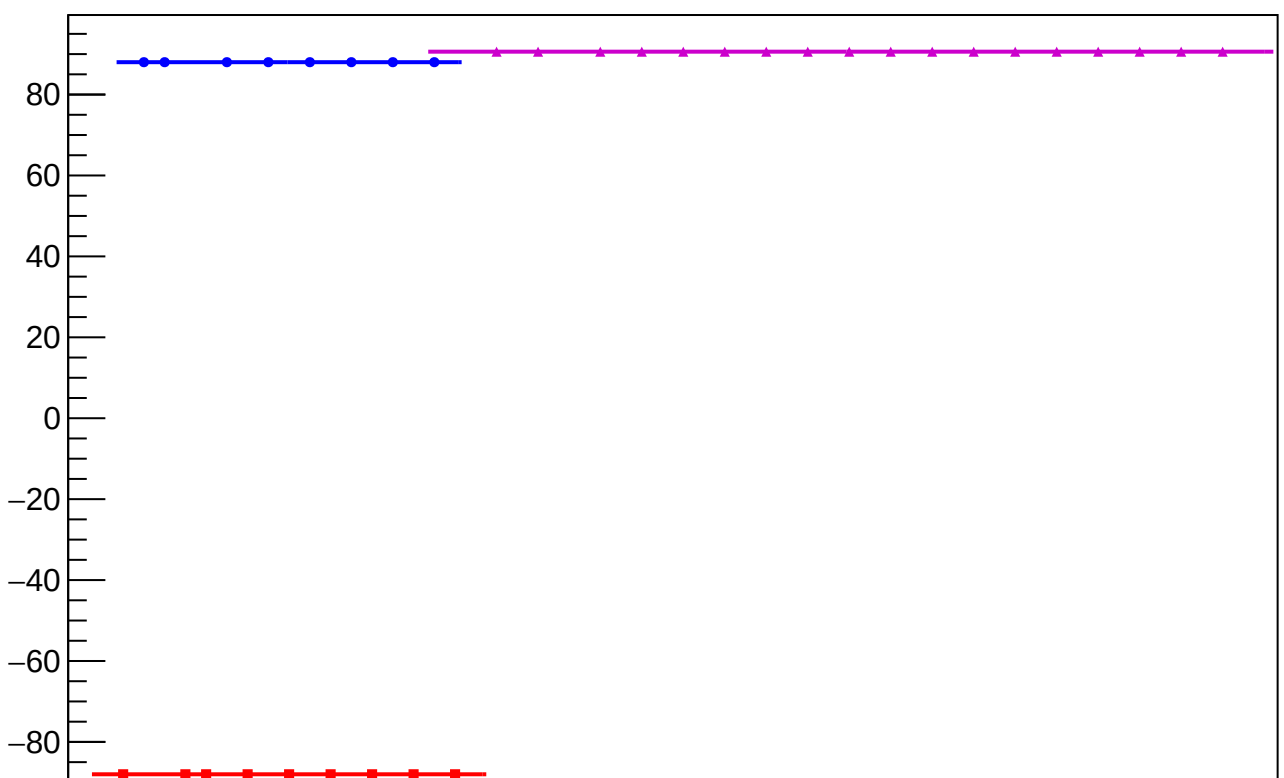
Right: 0.215+/-0.003 χ^2/NDF: 1700.9/35

In: 0.095+/-0.002 χ^2/NDF:4655.7/34

Out: 0.133+/-0.002 χ^2/NDF:5842.6/37

All: 0.112+/-0.001 χ^2/NDF: 10729.0/72

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:5159781.4/17

Left: -0.620+/-0.000 χ^2/NDF: 23983331994578579

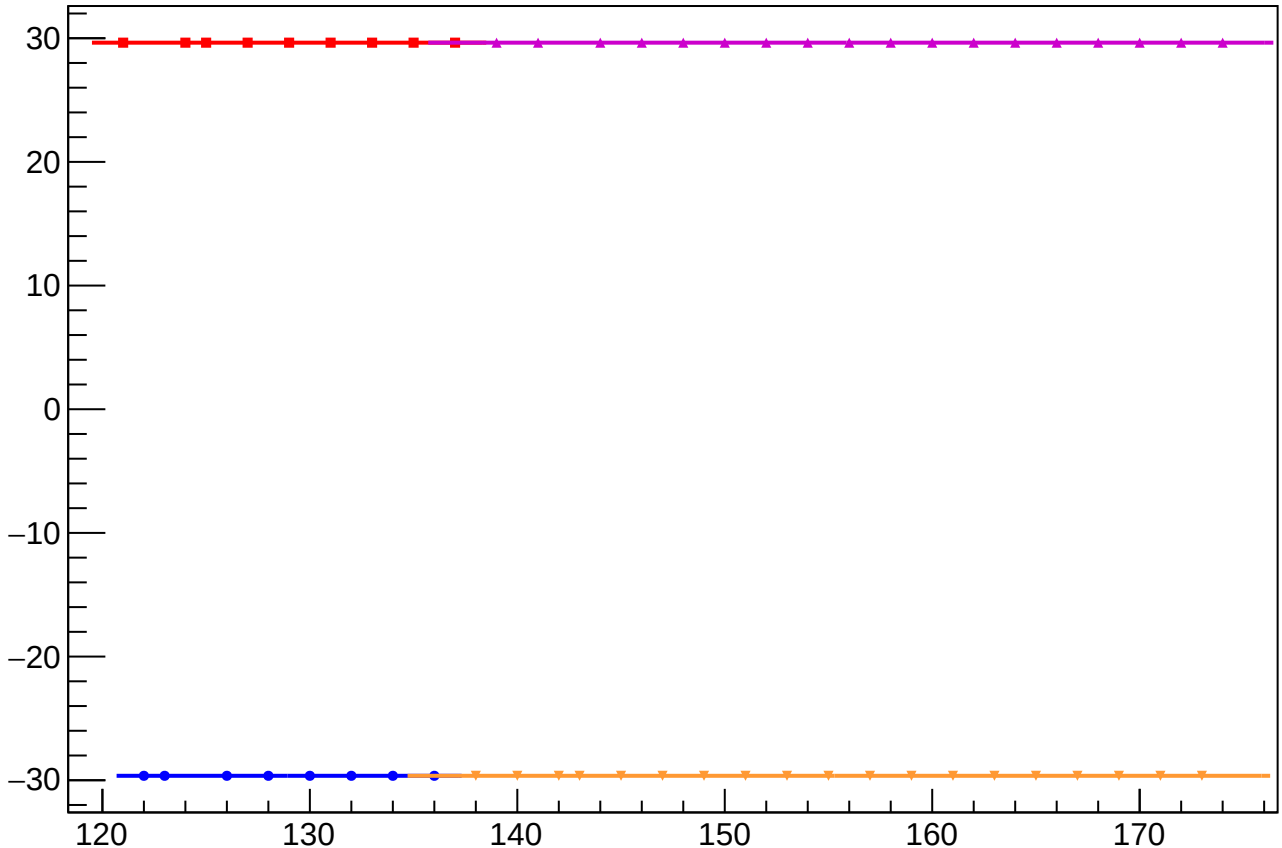
Right: 3.062+/-0.000 χ^2/NDF: 51126681569224617

In: 90.104+/-0.000 χ^2/NDF:186891697251110736

Out: -90.136+/-0.000 χ^2/NDF:1770219432762708

All: 0.059+/-0.000 χ^2/NDF: 291033088922

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:329226.4/17

Left: -0.203+/-0.000 χ^2/NDF: 25670650154033187

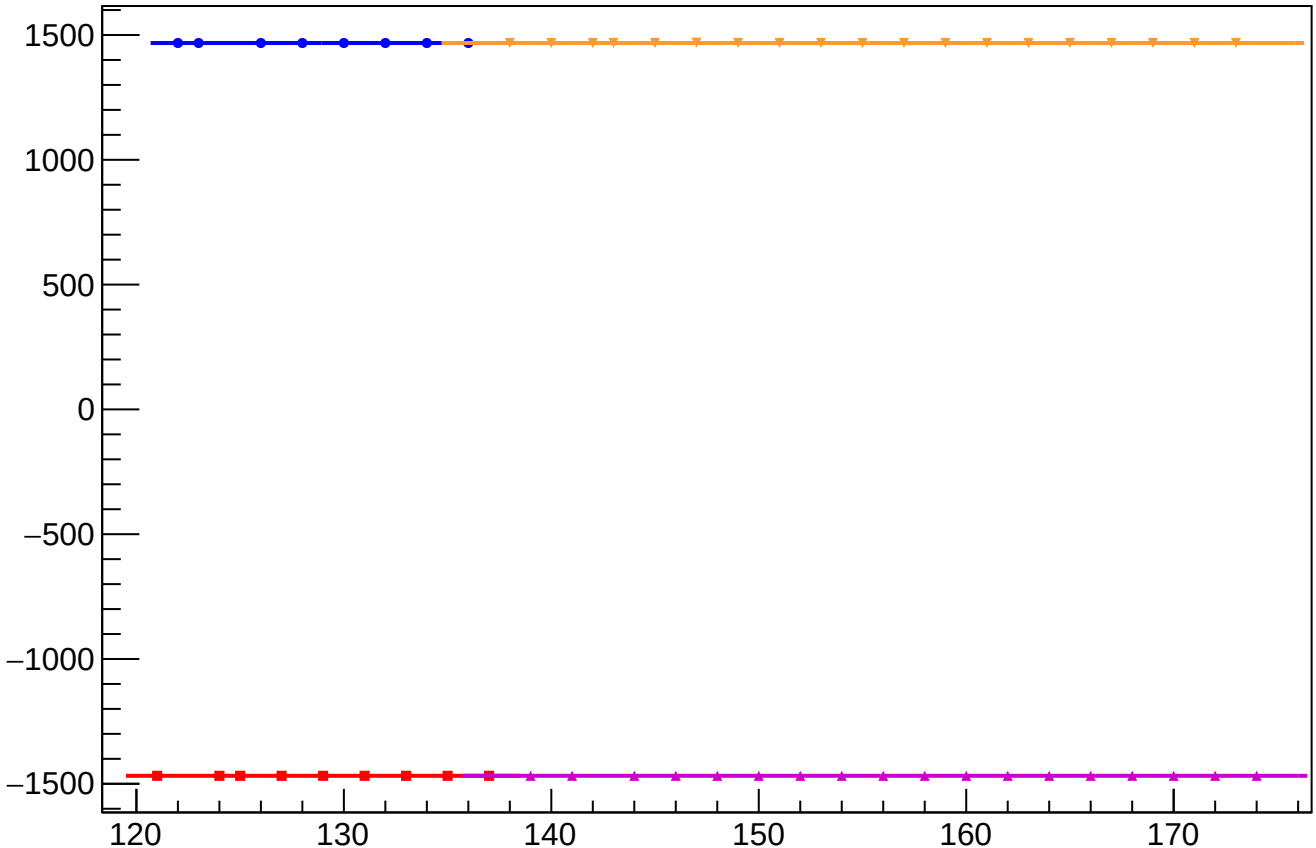
Right: -1.031+/-0.000 χ^2/NDF: 58003249437669445

In: 18.333+/-0.000 χ^2/NDF:972635738974669307

Out: -19.076+/-0.000 χ^2/NDF:9212708276810496

All: -0.356+/-0.000 χ^2/NDF: 3147467517533

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:1265892539357922917248845417021440/18

Right Out: -1467.979+/-0.000 χ^2/NDF: 83183350.3/8

Left In: -1467.992+/-0.000 χ^2/NDF:131818056482371582149213028352.0/17

Left: 10.083+/-0.000 χ^2/NDF: 62969199364122898

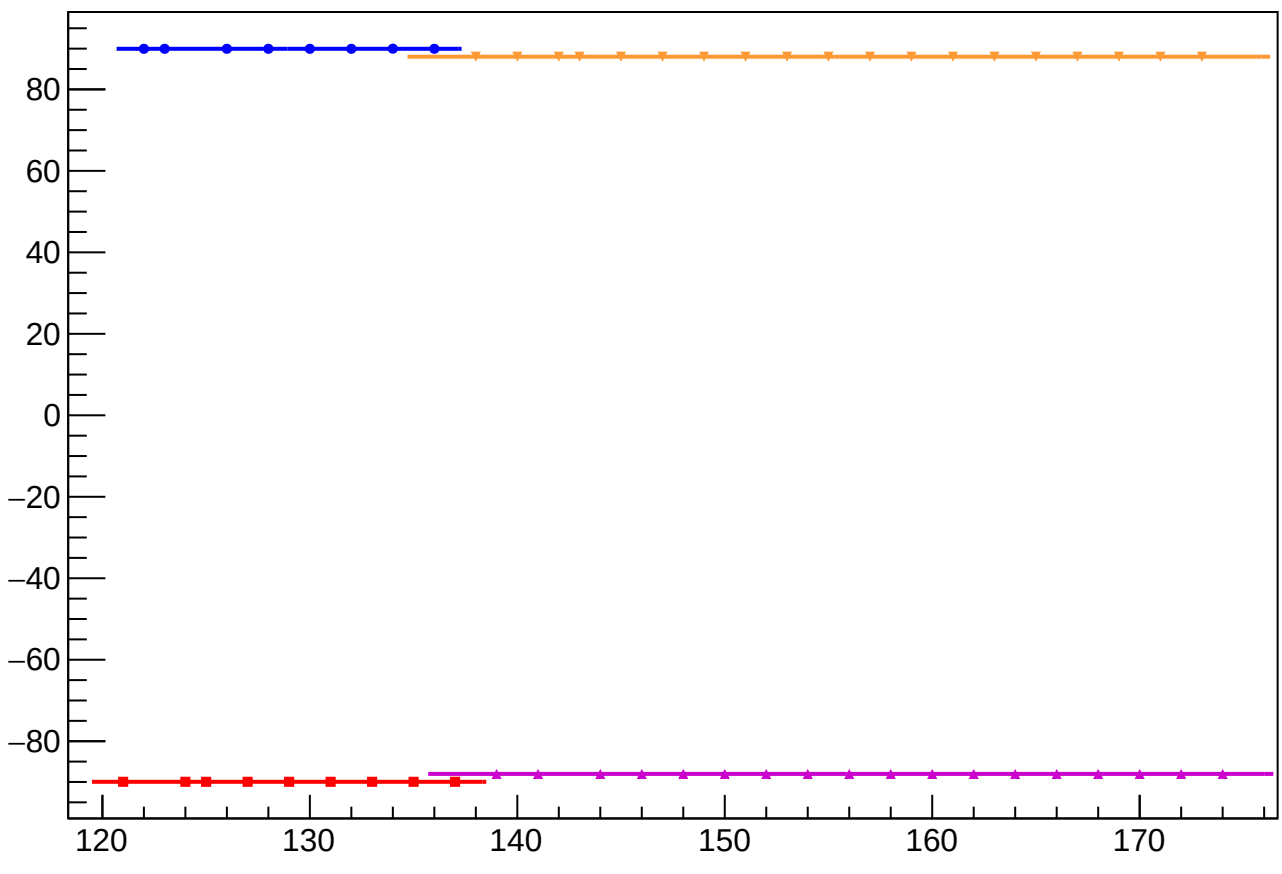
Right: 51.079+/-0.000 χ^2/NDF: 1422706063207371

In: -907.980+/-0.000 χ^2/NDF:2385706068188722

Out: 944.824+/-0.000 χ^2/NDF:2259824874955961

All: 17.646+/-0.000 χ^2/NDF: 772053199243

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961+/-0.000 χ^2/NDF: 215286405987086028743492239360/7

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:4674499.4/17

Left: 0.602+/-0.000 χ^2/NDF: 226375556952401639

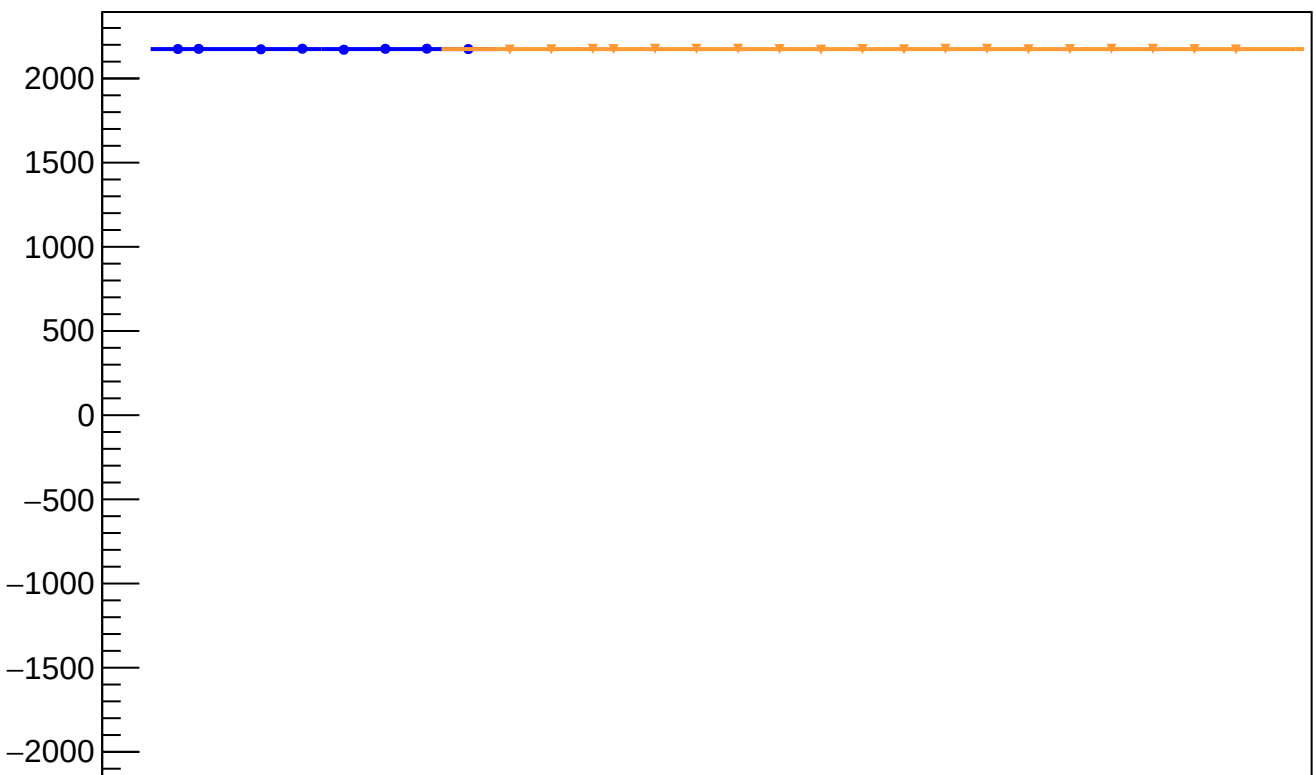
Right: 3.131+/-0.000 χ^2/NDF: 53429021948733419

In: -54.072+/-0.000 χ^2/NDF:87672933571568147

Out: 56.302+/-0.000 χ^2/NDF:83041030451505988

All: 1.069+/-0.000 χ^2/NDF: 2798390502422

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.572+/-0.000 χ^2/NDF: 13602640740268493814075504480747520/7

Left Out: 2174.464+/-0.000 χ^2/NDF:42034774332083973337834786851389440/18

Right Out: -2175.442+/-0.000 χ^2/NDF: 61077844507579055603434652486860 8.0/8

Left In: -2174.642+/-0.000 χ^2/NDF:30163767713259646586320984085626880/17

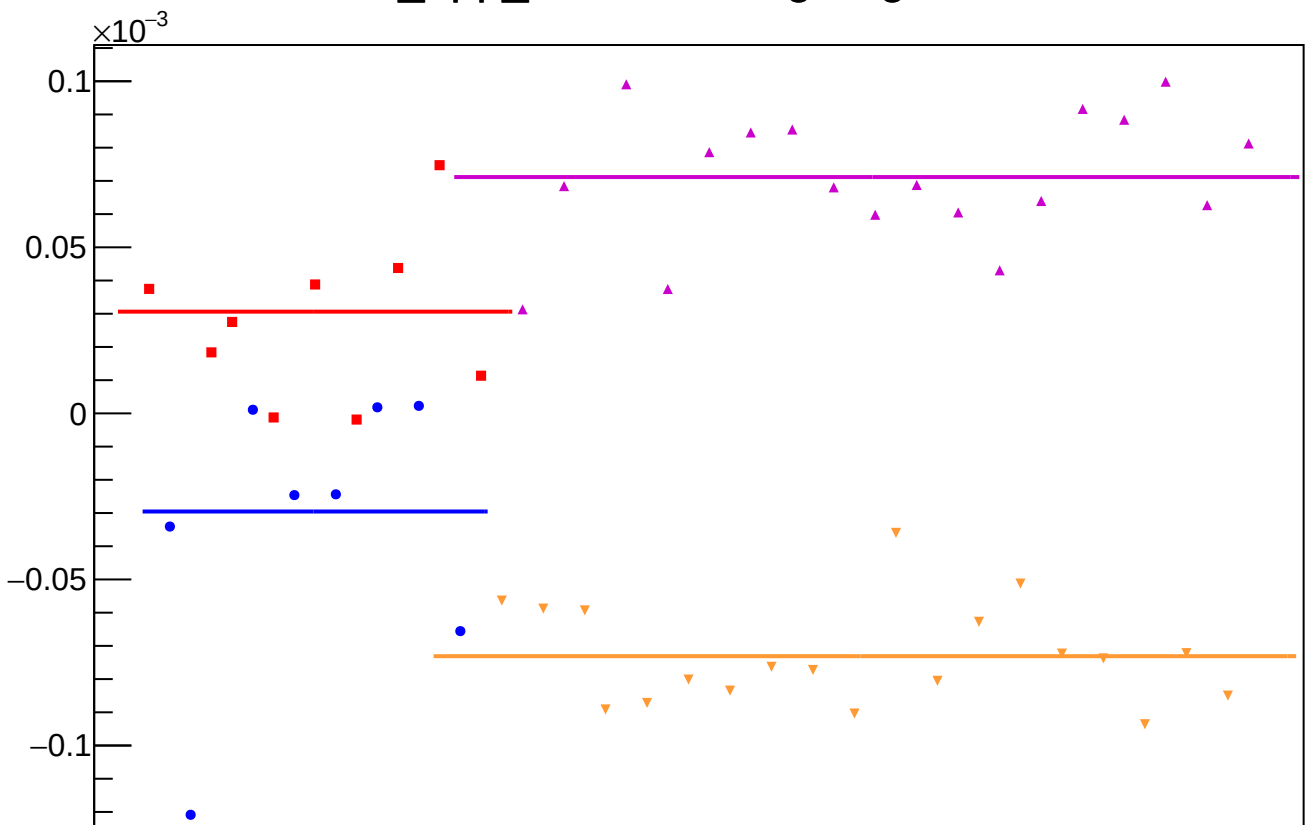
Left: 14.795+/-0.000 χ^2/NDF: 13816561753848900

Right: 75.246+/-0.000 χ^2/NDF: 3123179758766980

In: -1345.065+/-0.000 χ^2/NDF:523522306751684

Out: 1399.257+/-0.000 χ^2/NDF:496032817852847

All: 25.947+/-0.000 χ^2/NDF: 1694171142452



Right In: -0.000+/-0.000 χ^2/NDF: 250161267307815387529216.0/7

Left Out: -0.000+/-0.000 χ^2/NDF:3276332341100878957117744.0/18

Right Out: 0.000+/-0.000 χ^2/NDF: 19673277117876673498316 8.0/8

Left In: 0.000+/-0.000 χ^2/NDF:53411682362116063153356 8.0/17

Left: -0.000+/-0.000 χ^2/NDF: 16064477872512147

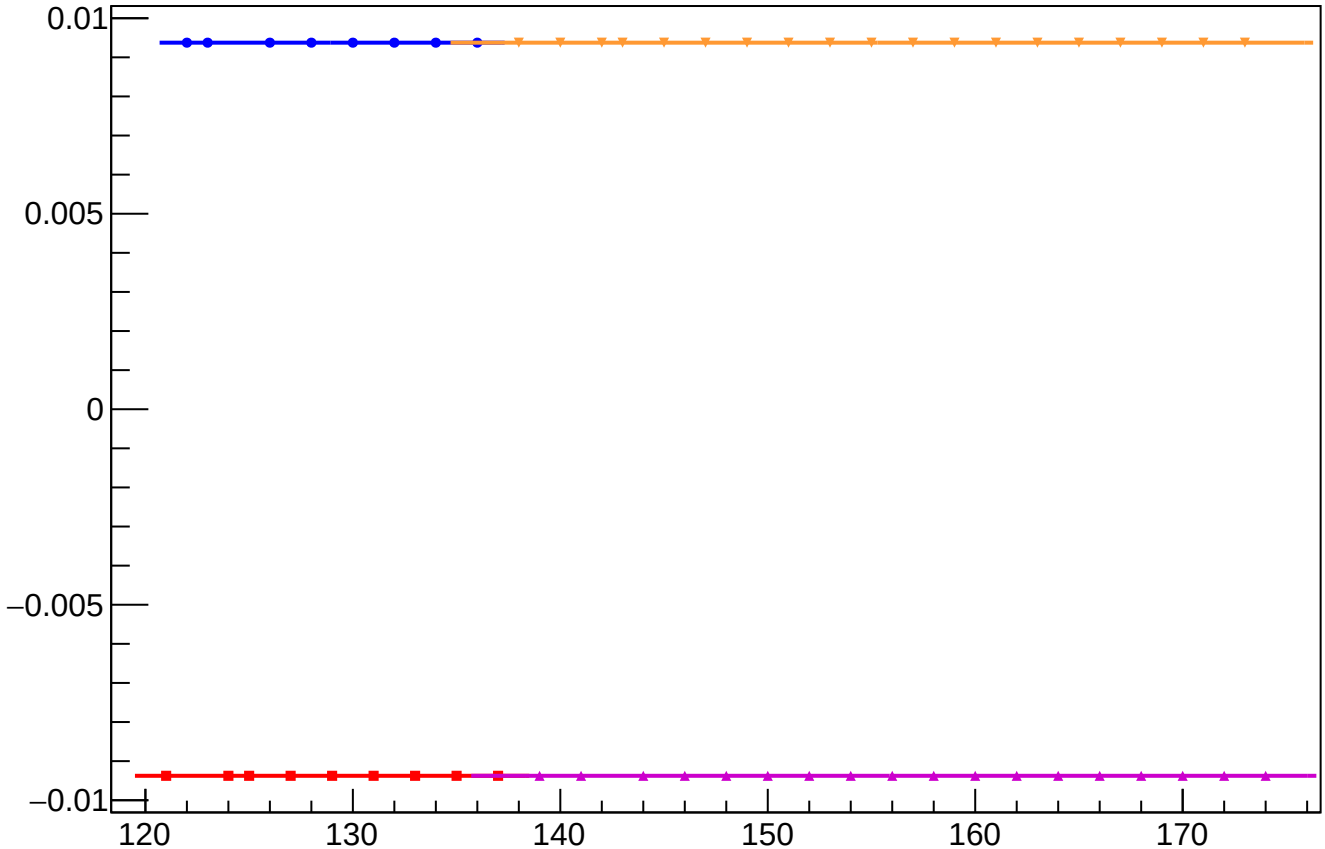
Right: -0.000+/-0.000 χ^2/NDF: 10445776638104560

In: 0.000+/-0.000 χ^2/NDF:359079527709031634 9

Out: -0.000+/-0.000 χ^2/NDF:33457391745147851

All: -0.000+/-0.000 χ^2/NDF: 1710956074039

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/18

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF:0.1/17

Left: 0.000+/-0.000 χ^2/NDF: 256804374679157436

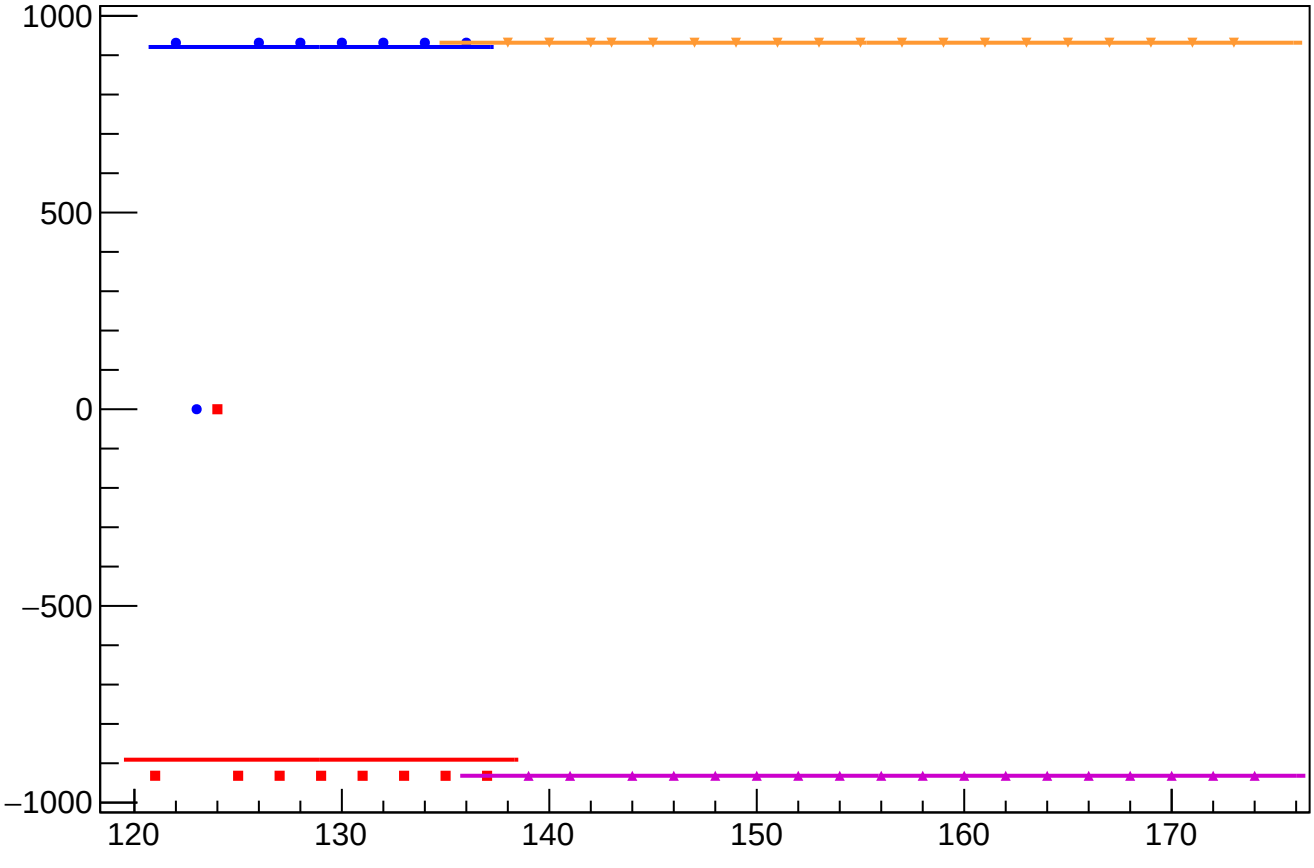
Right: 0.000+/-0.000 χ^2/NDF: 58025364031769994

In: -0.006+/-0.000 χ^2/NDF:97300657069157603

Out: 0.006+/-0.000 χ^2/NDF:92162207576815437

All: 0.000+/-0.000 χ^2/NDF: 3148667535933

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 920.898+/-0.000 χ^2/NDF: 343212884195189986129956621208099225 6.0/7

Left Out: 931.784+/-0.000 χ^2/NDF:384752039651327746172412284108 8.0/18

Right Out: -890.923+/-0.000 χ^2/NDF: 116216714301144097229328543987447889 92.0/8

Left In: -931.775+/-0.000 χ^2/NDF:344092273405915717409095391641 6.0/17

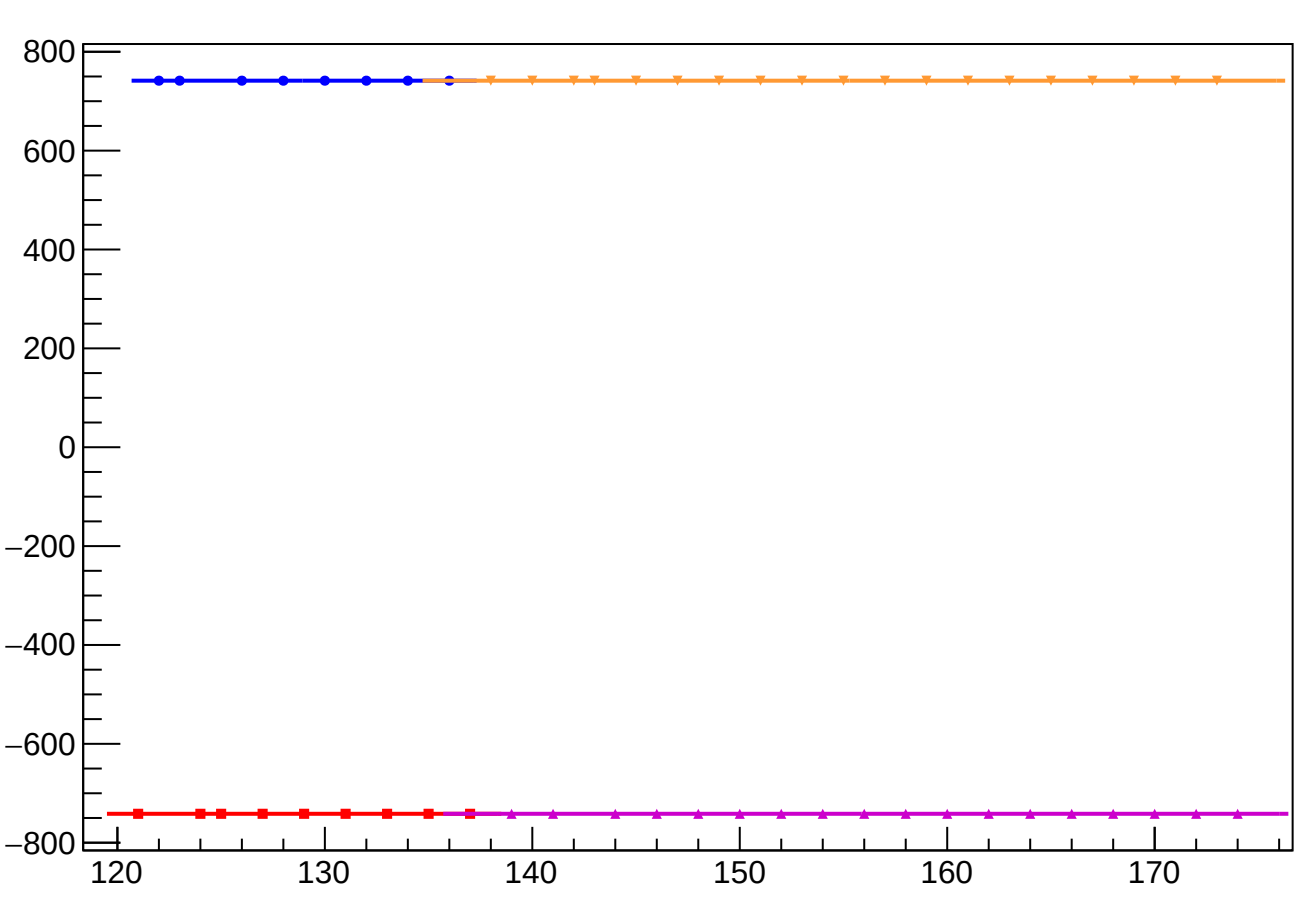
Left: 6.382+/-0.000 χ^2/NDF: 25368003930837258 6

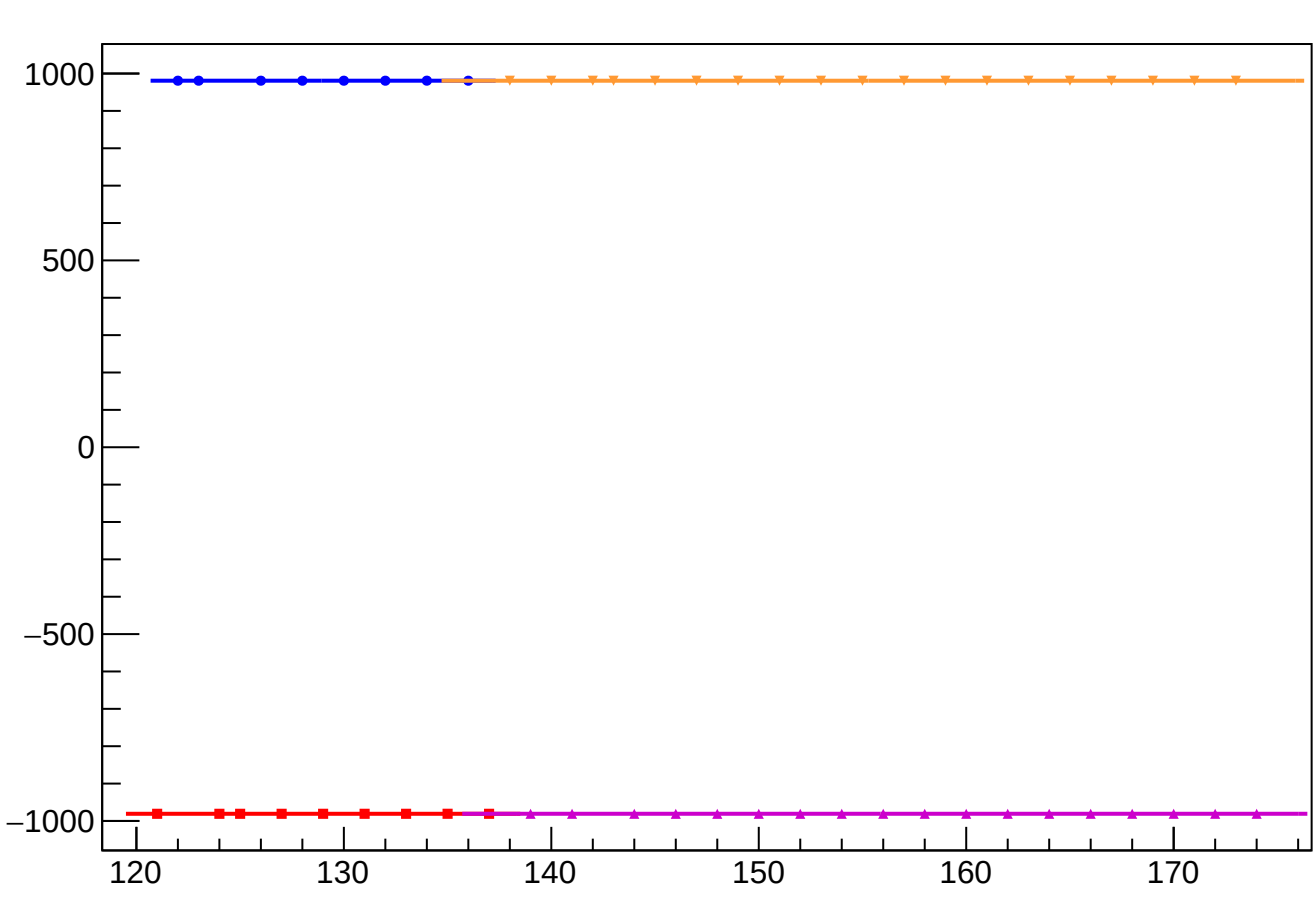
Right: 46.509+/-0.000 χ^2/NDF: 5568625454904034

In: -578.393+/-0.000 χ^2/NDF:9534039562425924

Out: 606.955+/-0.000 χ^2/NDF:8825538409274014

All: 13.785+/-0.000 χ^2/NDF: 309453090778 2


HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
120
130
140
150
160
170
Right In: 741.528+/-0.000 χ²/NDF: 188961443267324198100528005120/7
Left Out: 741.513+/-0.000 χ²/NDF:19522002817880200449242012057 6.0/18
Right Out: -741.529+/-0.000 χ²/NDF: 16580353917842624420385914880.0/8
Left In: -741.512+/-0.000 χ²/NDF:184885971689019012423247462400.0/17
Left: 5.076+/-0.000 χ²/NDF: 160655929382224567
Right: 25.802+/-0.000 χ²/NDF: 3630199450079866
In: -458.635+/-0.000 χ²/NDF:6087217460791531
Out: 477.217+/-0.000 χ²/NDF:5765762901487368
All: 8.899+/-0.000 χ²/NDF: 1969810798250



Right In: 980.825+/-0.000 χ^2/NDF: 1593453212687453509547636817920.0/7

Left Out: 980.768+/-0.000 χ^2/NDF:64758202678260777808915385548 8.0/18

Right Out: -980.818+/-0.000 χ^2/NDF: 14368991216752813756326189465 6.0/8

Left In: -980.775+/-0.000 χ^2/NDF:13724377560693500110378840883 20.0/17

Left: 6.710+/-0.000 χ^2/NDF: 2810575650713224 62

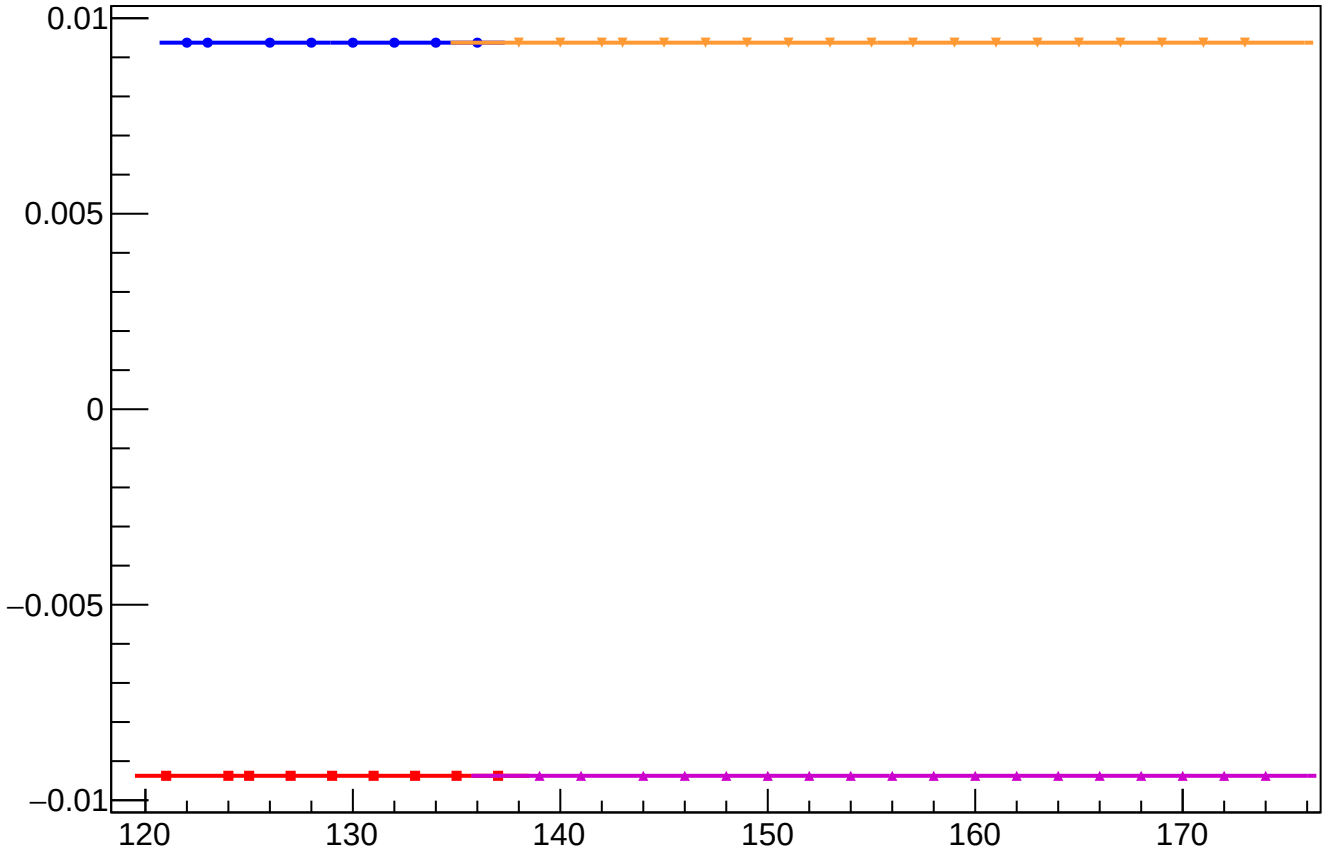
Right: 34.132+/-0.000 χ^2/NDF: 635119531718854 3

In: -606.616+/-0.000 χ^2/NDF:10649619612157 90

Out: 631.189+/-0.000 χ^2/NDF:10087069287937 90

All: 11.769+/-0.000 χ^2/NDF: 344610054743 2

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/18

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF:0.1/17

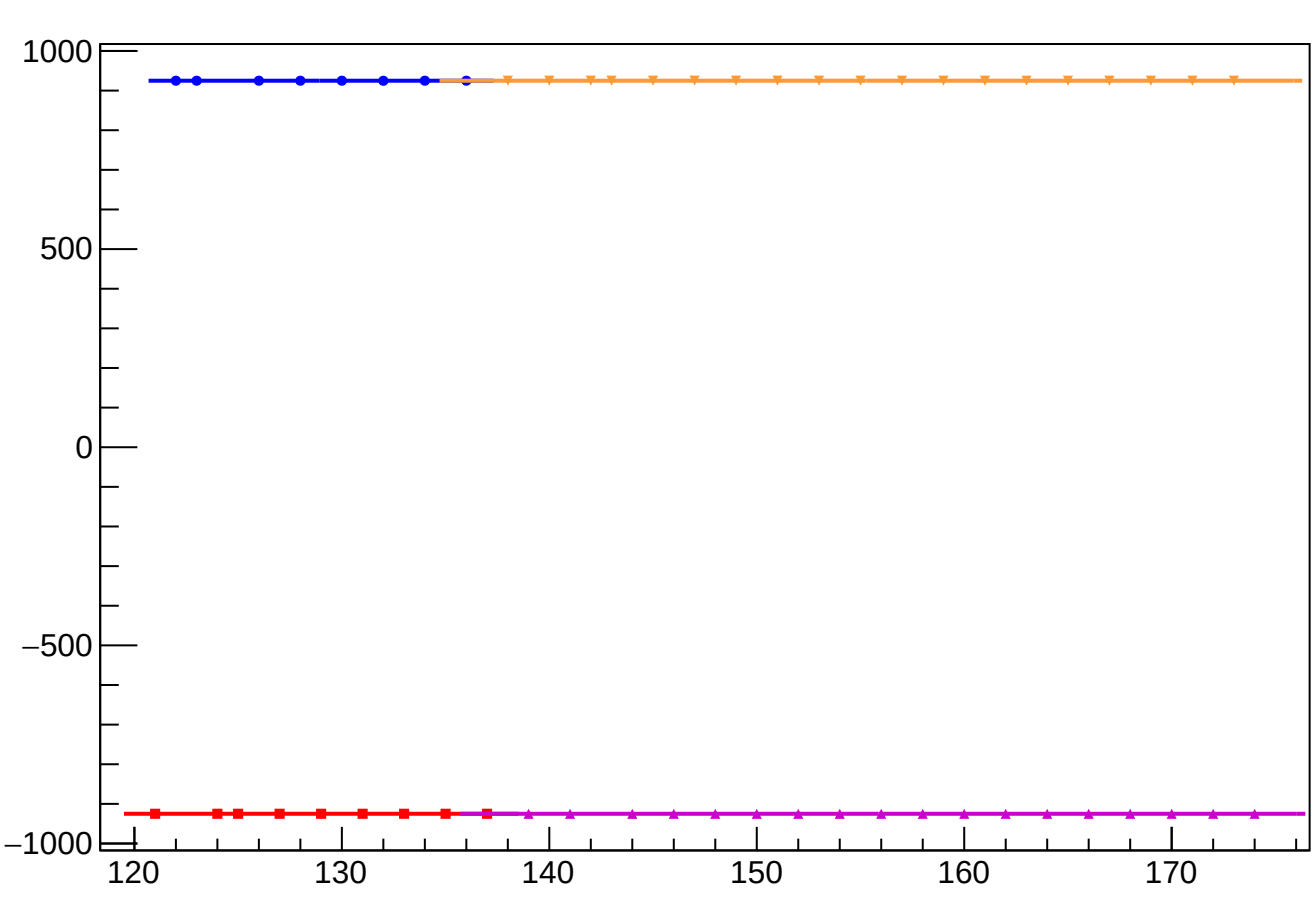
Left: 0.000+/-0.000 χ^2/NDF: 256804374679157436

Right: 0.000+/-0.000 χ^2/NDF: 58025364031769994

In: -0.006+/-0.000 χ^2/NDF:97300657069157603

Out: 0.006+/-0.000 χ^2/NDF:92162207576815437

All: 0.000+/-0.000 χ^2/NDF: 3148667535933



Right In: 924.939+/-0.000 χ^2/NDF: 1401458495809517406218388242432.0/7

Left Out: 924.984+/-0.000 χ^2/NDF:817812468750365156425284452352.0/18

Right Out: -924.957+/-0.000 χ^2/NDF: 7180870936650678606031015116 8.0/8

Left In: -924.985+/-0.000 χ^2/NDF:71689624450916176251985068032 0.0/17

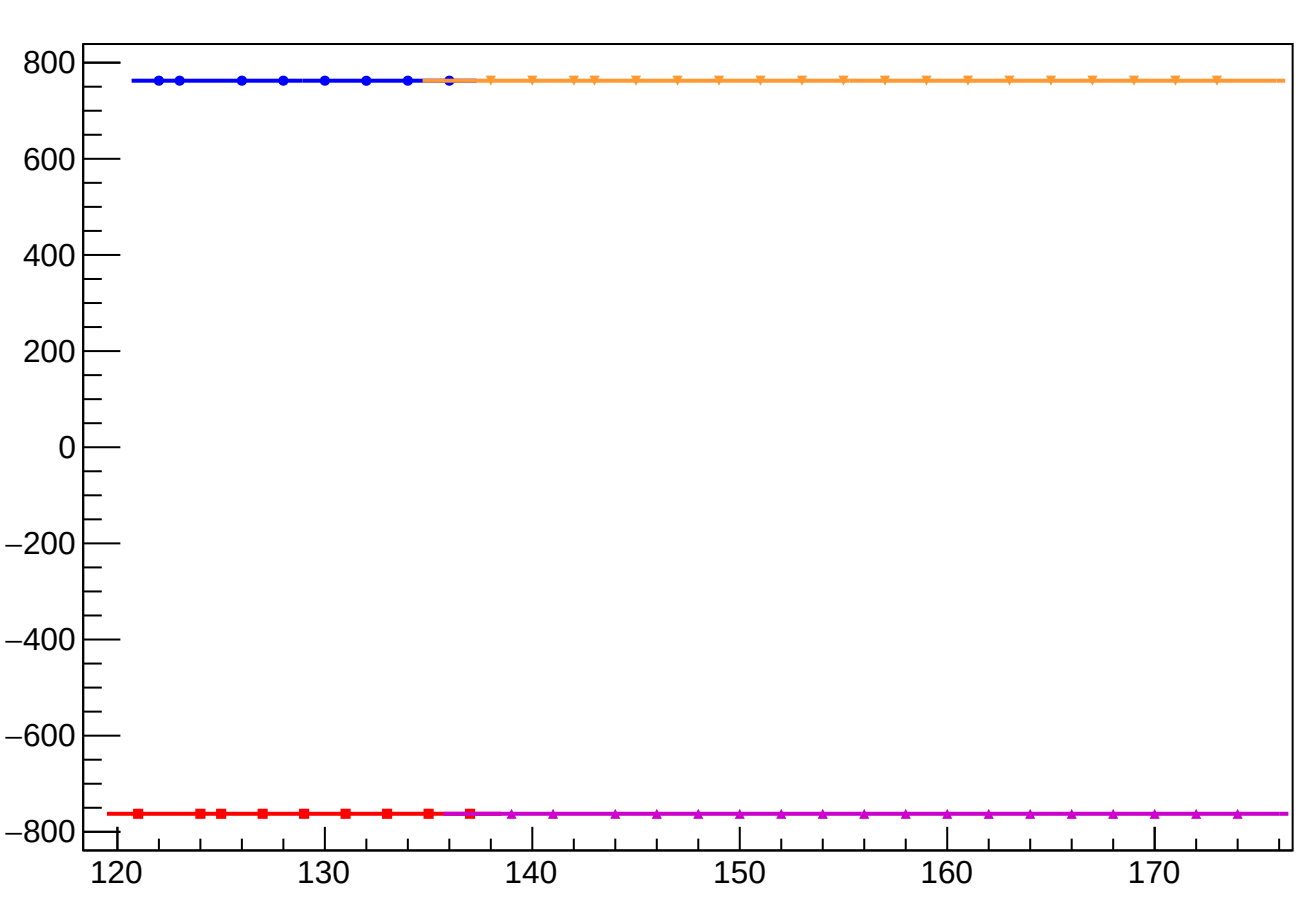
Left: 6.330+/-0.000 χ^2/NDF: 24993606721944501

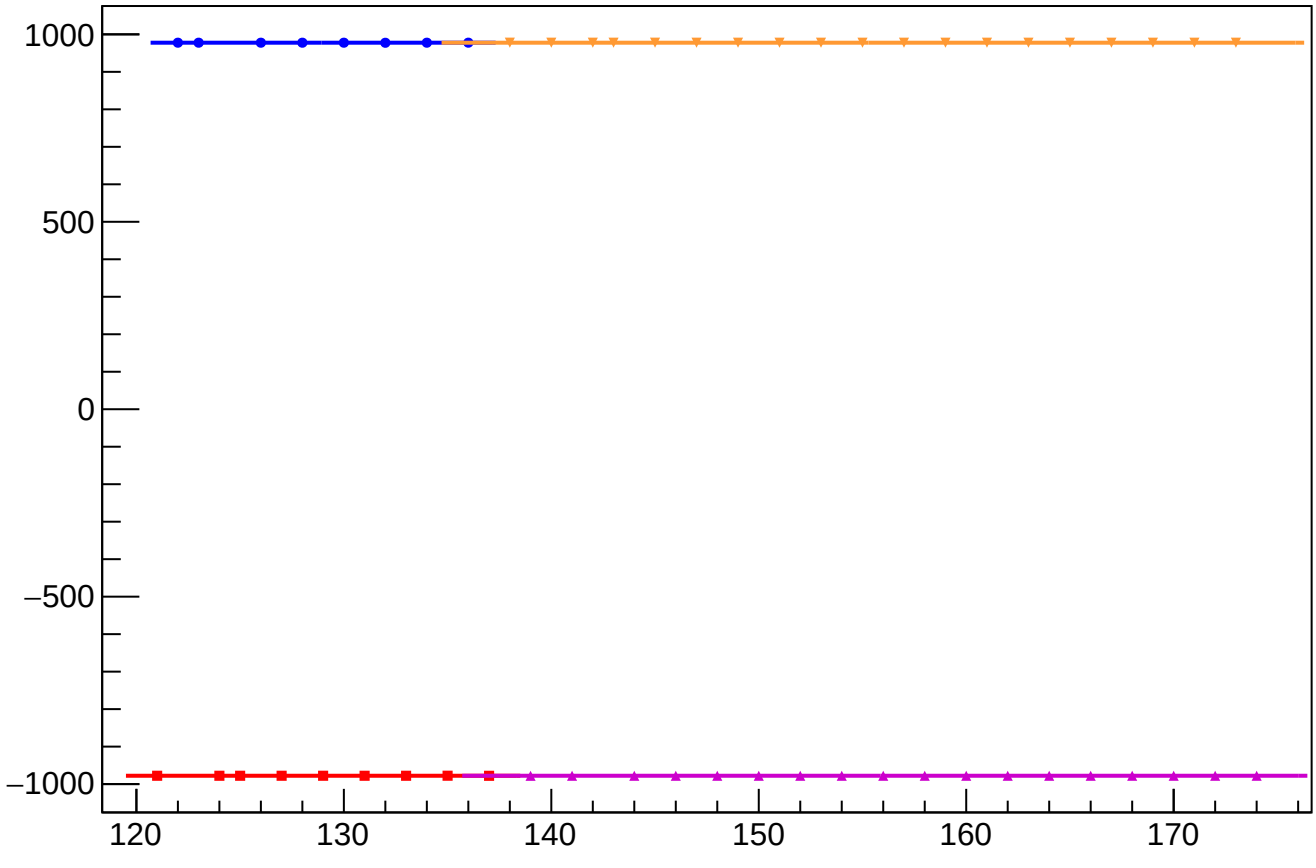
Right: 32.175+/-0.000 χ^2/NDF: 5648201825061875

In: -572.127+/-0.000 χ^2/NDF:947155643859518 5

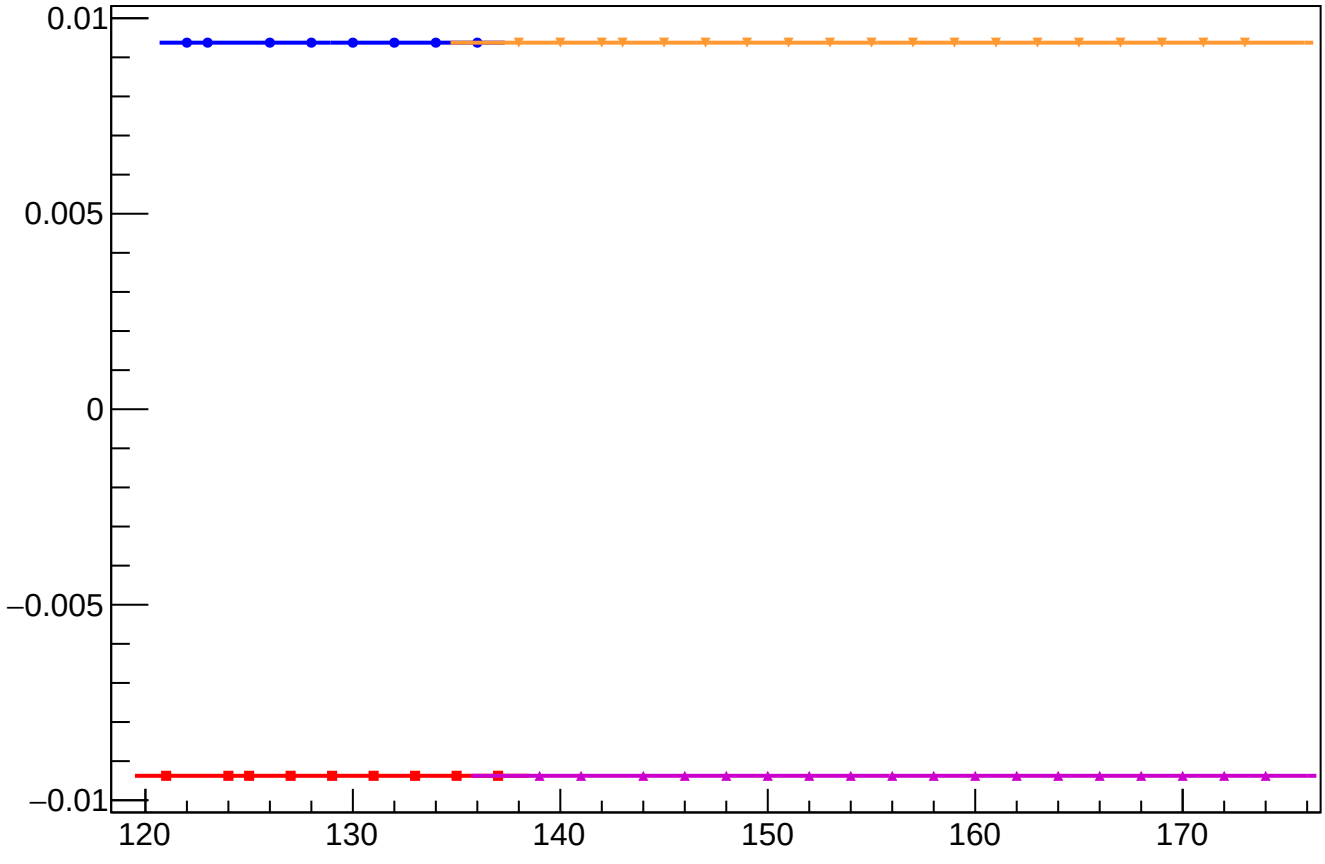
Out: 595.302+/-0.000 χ^2/NDF:897152162872264 0

All: 11.098+/-0.000 χ^2/NDF: 3065116319097


HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
−600
−800
120
130
140
150
160
170
Right In: 762.484+/-0.000 χ²/NDF: 7844307612510844017988914380800.0/7
Left Out: 762.513+/-0.000 χ²/NDF:54893268071617109329378174566 4.0/18
Right Out: -762.501+/-0.000 χ²/NDF: 469794702848036819563446272.0/8
Left In: -762.515+/-0.000 χ²/NDF:49469873405150423541694752358 4.0/17
Left: 5.218+/-0.000 χ²/NDF: 169885238811221208
Right: 26.523+/-0.000 χ²/NDF: 3838365691051738
In: -471.634+/-0.000 χ²/NDF:6436532838820050
Out: 490.737+/-0.000 χ²/NDF:6096749554403919
All: 9.149+/-0.000 χ²/NDF: 20829336195148


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
120
130
140
150
160
170
Right In: 977.741+/-0.000 χ²/NDF: 173810457180479284178132664320 0.0/7
Left Out: 977.739+/-0.000 χ²/NDF:1116021609692302556631853432832.0/18
Right Out: -977.737+/-0.000 χ²/NDF: 772313054358211830610902646784.0/8
Left In: -977.735+/-0.000 χ²/NDF:95934761600168313417784885248 0.0/17
Left: 6.694+/-0.000 χ²/NDF: 279321135766024435
Right: 34.023+/-0.000 χ²/NDF: 6311333196839596
In: -604.744+/-0.000 χ²/NDF:1058322702178844
Out: 629.249+/-0.000 χ²/NDF:1002432517358565
All: 11.736+/-0.000 χ²/NDF: 342474728522

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.0/7

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/18

Right Out: -0.009+/-0.000 χ^2/NDF: 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF:0.1/17

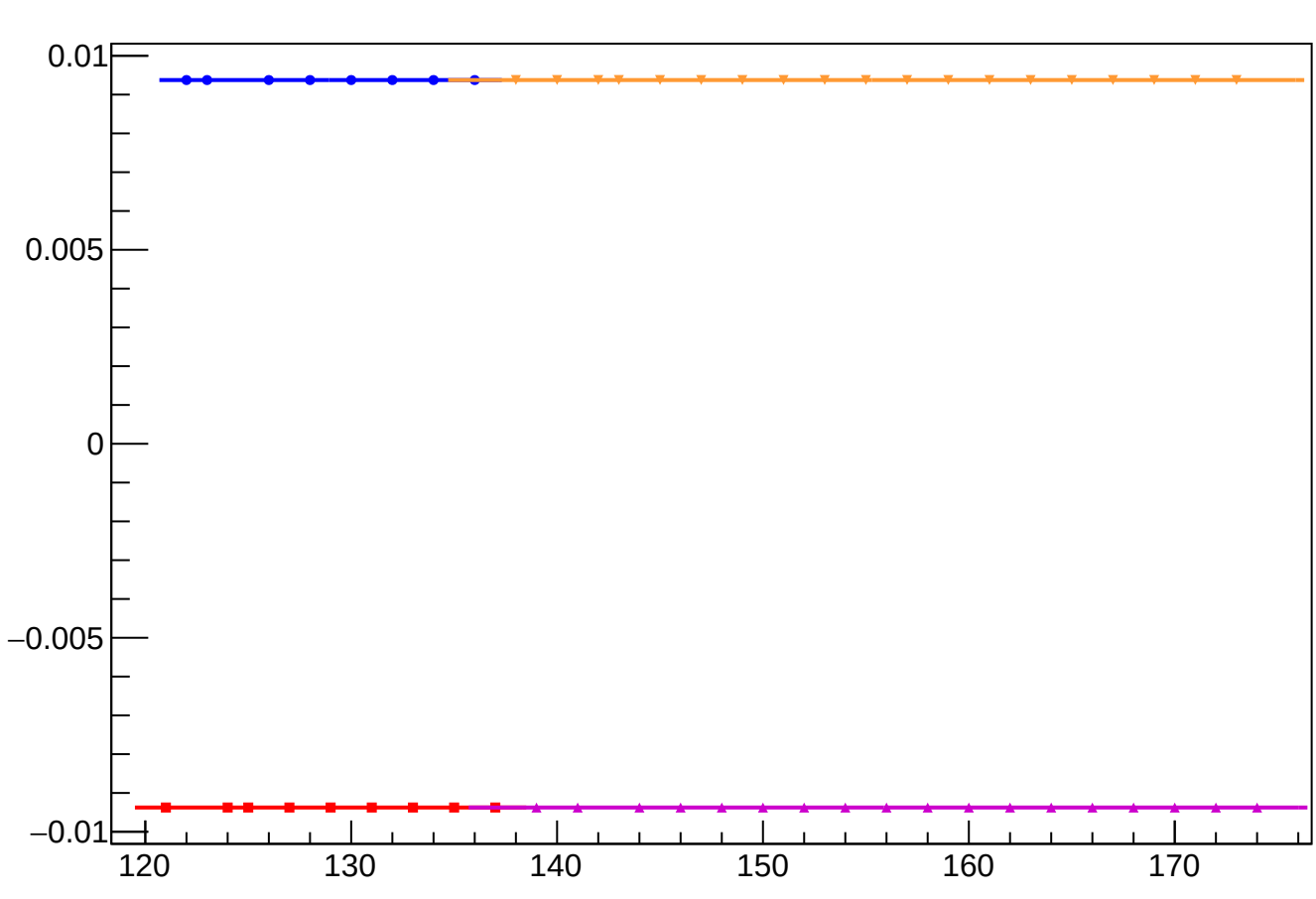
Left: 0.000+/-0.000 χ^2/NDF: 256804374679157436

Right: 0.000+/-0.000 χ^2/NDF: 58025364031769994

In: -0.006+/-0.000 χ^2/NDF:97300657069157603

Out: 0.006+/-0.000 χ^2/NDF:92162207576815437

All: 0.000+/-0.000 χ^2/NDF: 3148667535933



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:0.1/17

Left: 0.000+/-0.000 χ^2/NDF: 256804374679157436

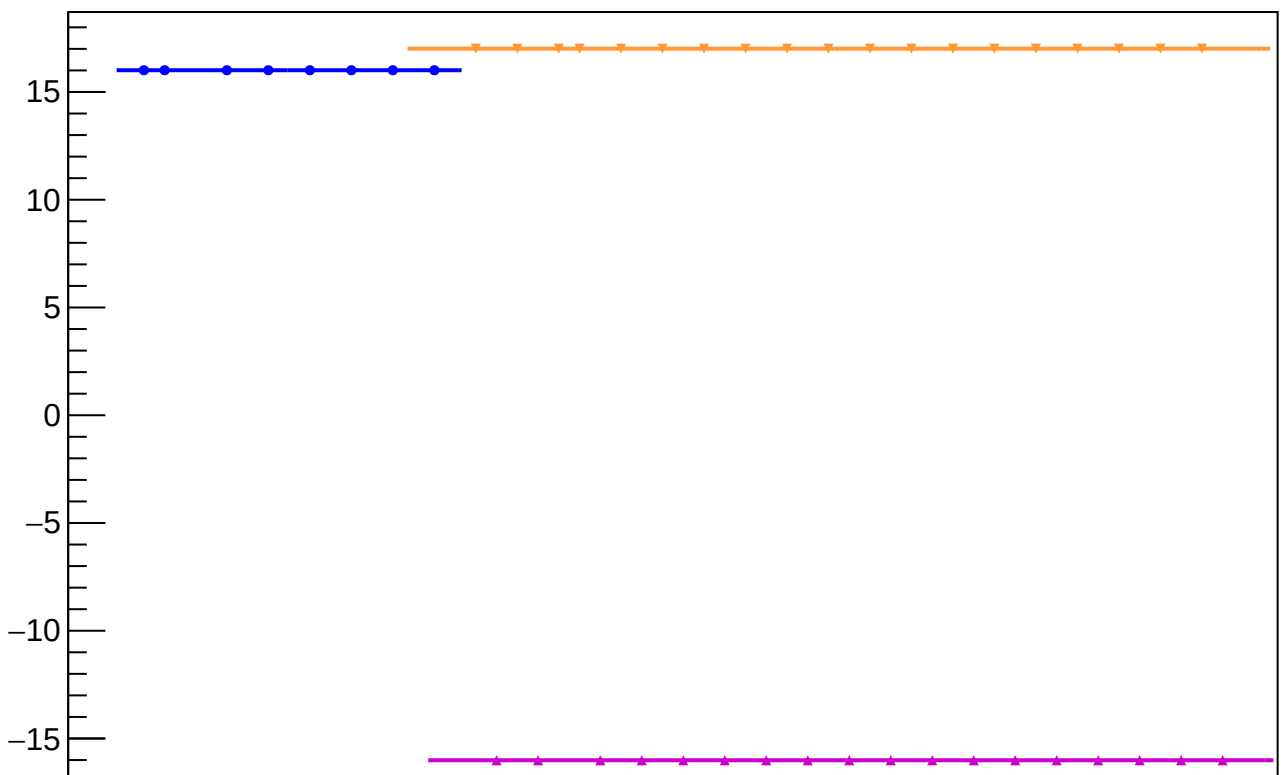
Right: 0.000+/-0.000 χ^2/NDF: 58025364031769994

In: -0.006+/-0.000 χ^2/NDF:97300657069157603

Out: 0.006+/-0.000 χ^2/NDF:92162207576815437

All: 0.000+/-0.000 χ^2/NDF: 3148667535933

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 30506.8/7

Left Out: 17.009+/-0.000 χ^2/NDF:219454452036200960391905280/18

Right Out: -17.009+/-0.000 χ^2/NDF: 8333578329558812540796928.0/8

Left In: -16.009+/-0.000 χ^2/NDF:1265365262720785448960000.0/17

Left: 0.524+/-0.000 χ^2/NDF: 736448439305183293

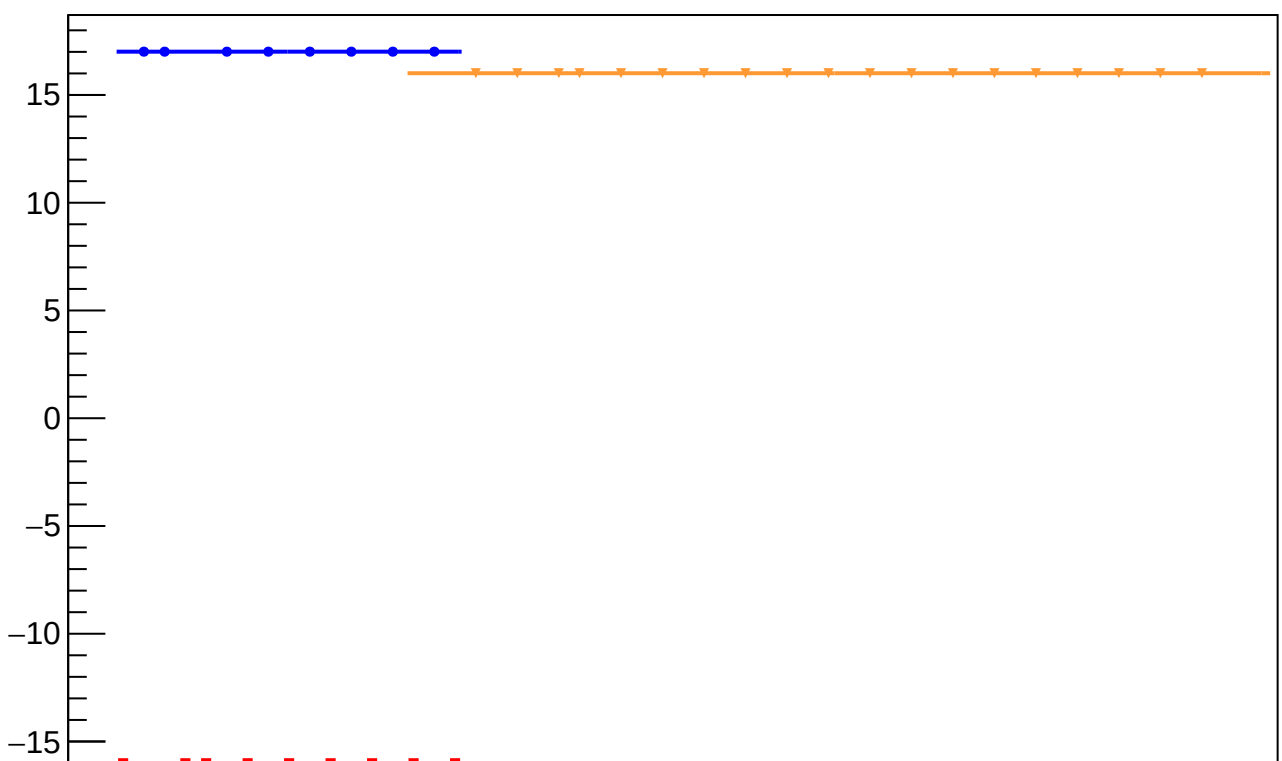
Right: -0.126+/-0.000 χ^2/NDF: 1683539334964133

In: -9.933+/-0.000 χ^2/NDF:26247834440159228

Out: 10.802+/-0.000 χ^2/NDF:285717509001973

All: 0.403+/-0.000 χ^2/NDF: 9050150805266

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:1136617698457886308433920.0/17

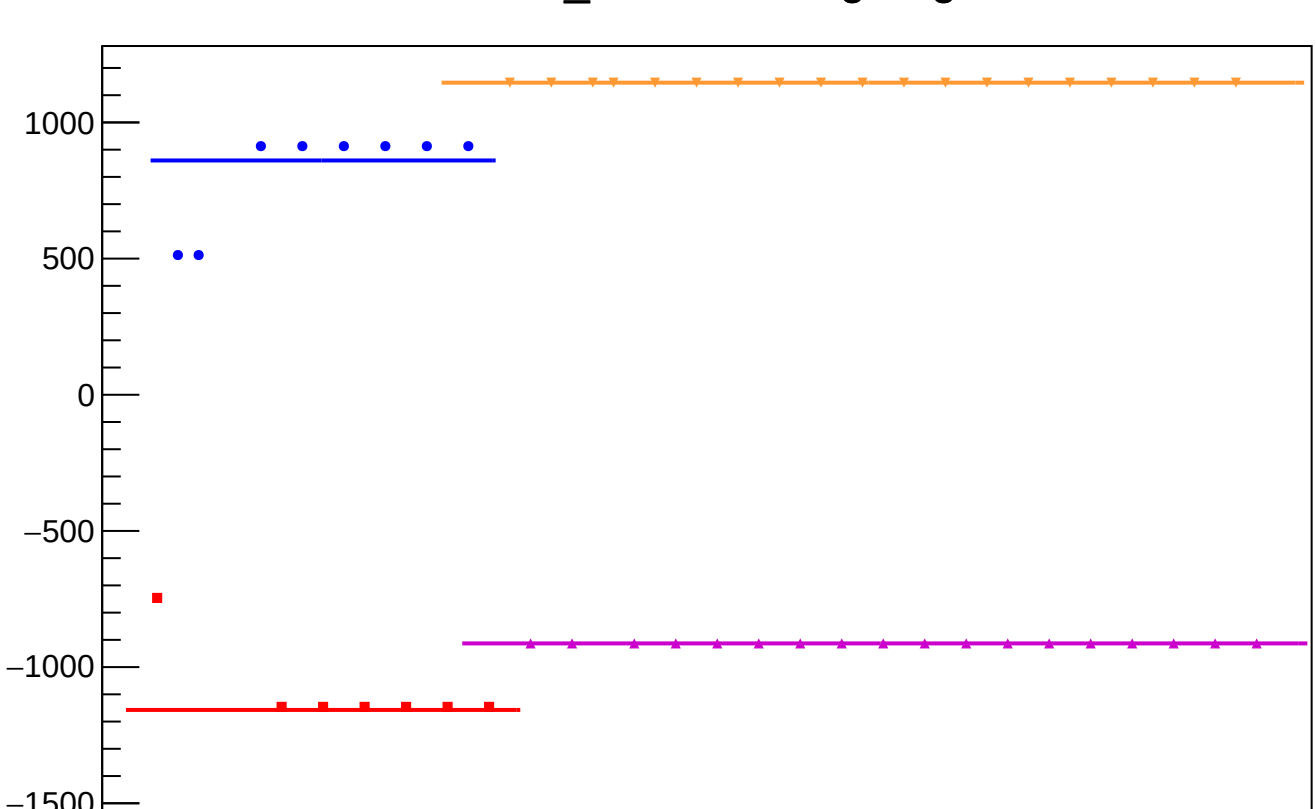
Left: -0.276+/-0.000 χ^2/NDF: 781828497081090220

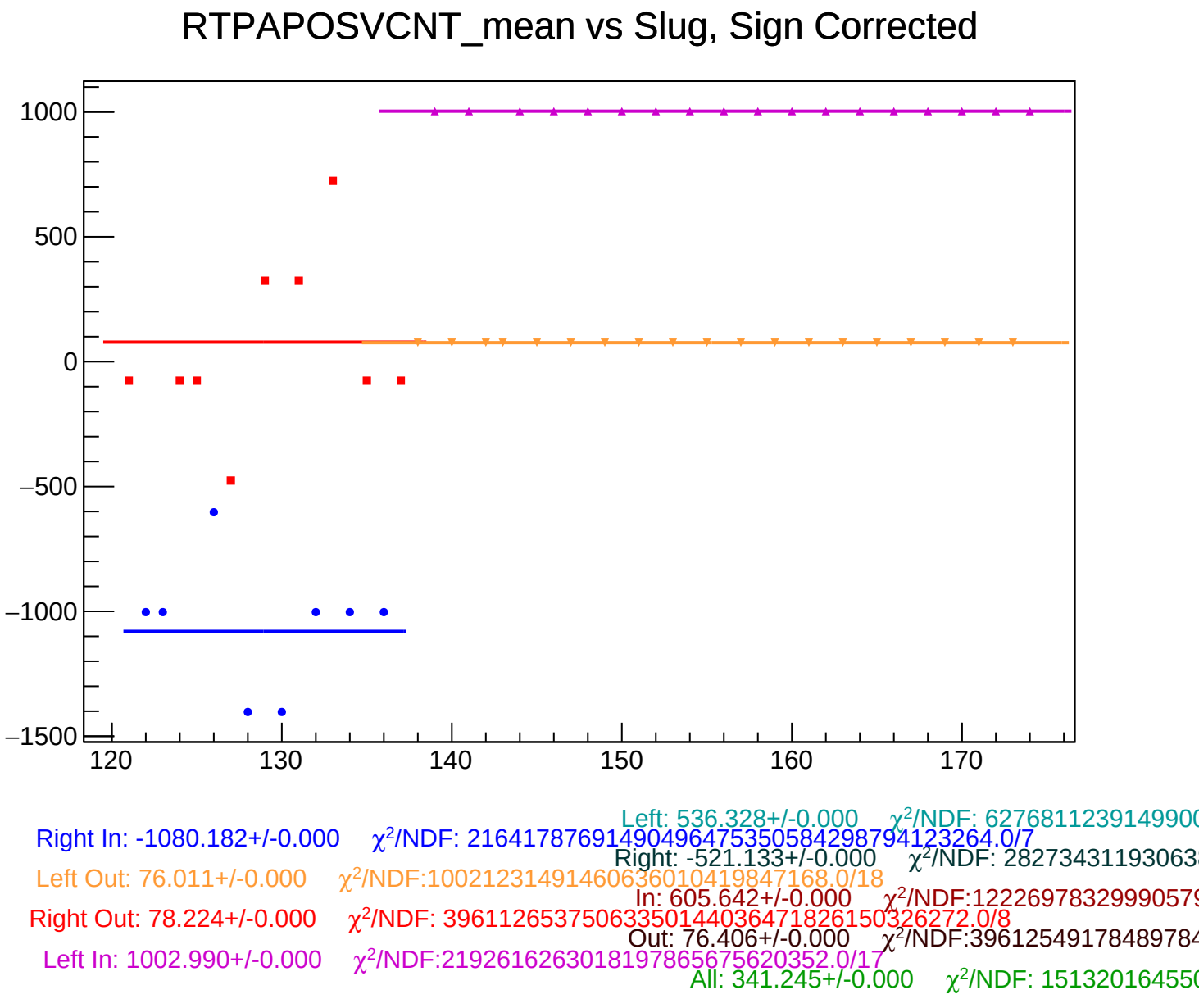
Right: 1.074+/-0.000 χ^2/NDF: 17994367493156690

In: -10.388+/-0.000 χ^2/NDF:31874792775619710

Out: 10.249+/-0.000 χ^2/NDF:26819773167728641

All: -0.023+/-0.000 χ^2/NDF: 9627513157768


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
120
130
140
150
160
170
Right In: 860.361+/-0.000 χ²/NDF: 625269345517870385065172046059457740 8.0/7
Left Out: 1146.011+/-0.000 χ²/NDF:4446330951338297299870679040.0/18
Right Out: -1157.295+/-0.000 χ²/NDF: 1388004012062331631008394614485601 4848.0/8
Left In: -912.995+/-0.000 χ²/NDF:228241285294361913536827883 52.0/17
Left: 123.555+/-0.000 χ²/NDF: 3096814301130728
Right: -113.364+/-0.000 χ²/NDF: 69204021310114
In: -574.742+/-0.000 χ²/NDF:8766247854530784
Out: 735.534+/-0.000 χ²/NDF:140464478491780
All: 79.847+/-0.000 χ²/NDF: 3819112088272


RTPAPOSVCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
120
130
140
150
160
170
Left: 536.328+/-0.000 χ²/NDF: 6276811239149900
Right In: -1080.182+/-0.000 χ²/NDF: 216417876914904964753505842987941232640/7
Right: -521.133+/-0.000 χ²/NDF: 282734311930638
Left Out: 76.011+/-0.000 χ²/NDF:1002123149146063601041984716 8.0/18
In: 605.642+/-0.000 χ²/NDF:1222697832999057
Right Out: 78.224+/-0.000 χ²/NDF: 396112653750633501440364718261503262 72.0/8
Out: 76.406+/-0.000 χ²/NDF:3961254917848978
Left In: 1002.990+/-0.000 χ²/NDF:219261626301819786567562035 2.0/17
All: 341.245+/-0.000 χ²/NDF: 151320164550