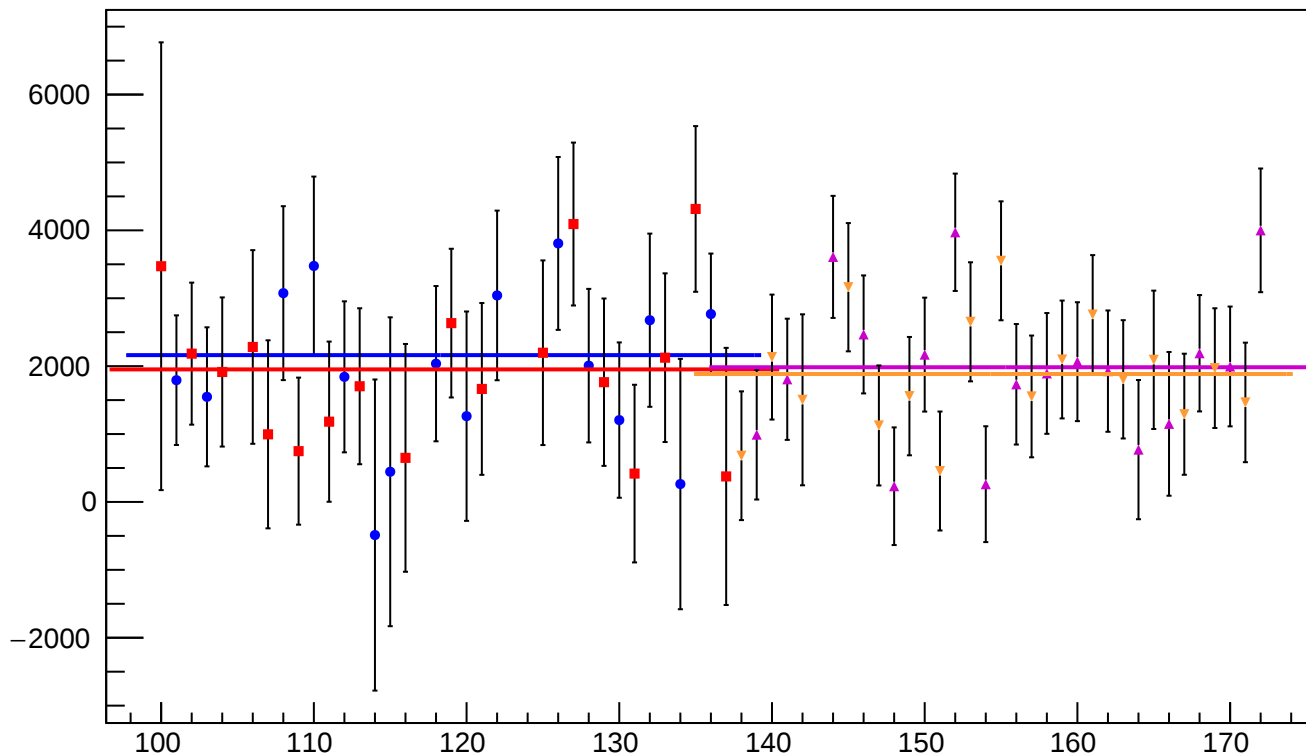


reg_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2162.311+/-307.312

Left Out: 1884.207+/-220.651

Right Out: 1952.148+/-300.581

Left In: 1983.748+/-217.365

χ^2/NDF : 8.9/15

χ^2/NDF :13.5/16

χ^2/NDF : 12.6/17

χ^2/NDF :25.3/16

Left: 1934.724+/-154.849

Right: 2054.903+/-214.883

In: 2043.292+/-177.461

Out: 1907.998+/-177.870

χ^2/NDF : 38.8/33

χ^2/NDF : 21.8/33

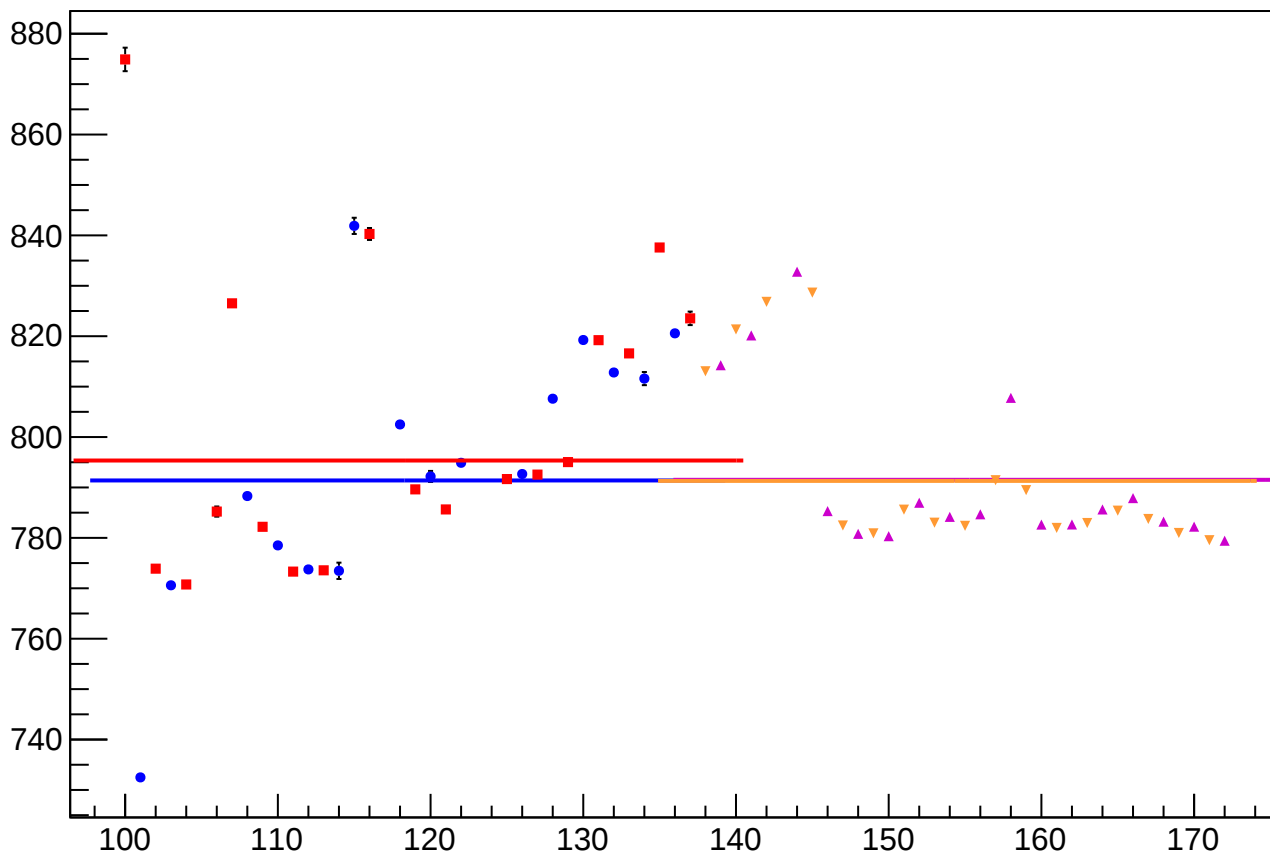
χ^2/NDF :34.4/32

χ^2/NDF :26.1/34

All: 1975.801+/-125.628

χ^2/NDF : 60.8/67

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 791.301+/-0.156 χ^2/NDF : 10118.6/16

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

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

Left: 791.410+/-0.109 χ^2/NDF : 20535.5/33

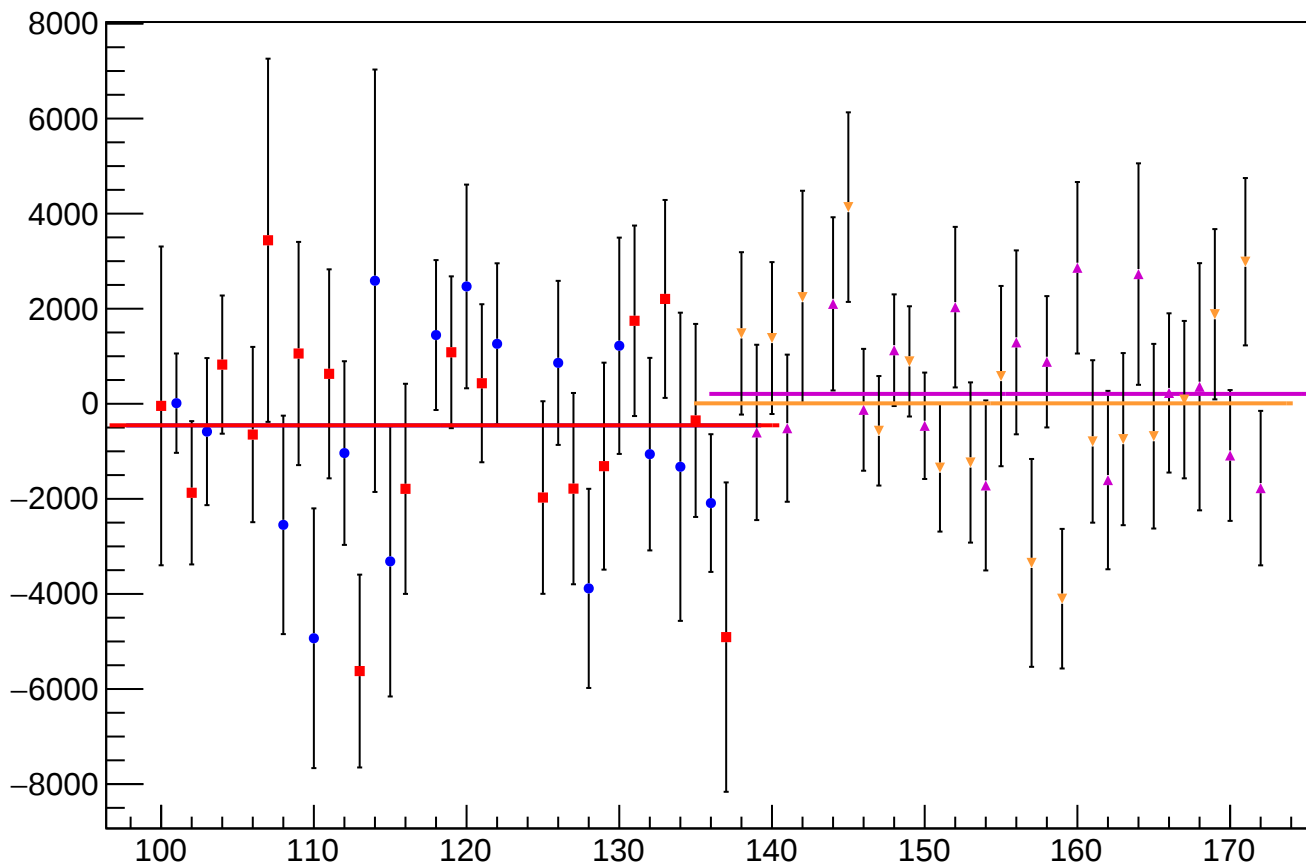
Right: 793.411+/-0.152 χ^2/NDF : 26737.3/33

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

Out: 792.717+/-0.126 χ^2/NDF : 21913.5/34

All: 792.094+/-0.089 χ^2/NDF : 47387.0/67

asym_us_avg_correction_mean vs Slug, Sign Corrected



Right In: -455.675 ± 464.232 $\chi^2/\text{NDF}: 14.9/15$

Left Out: 9.299 ± 393.705 $\chi^2/\text{NDF}: 23.9/16$

Right Out: -452.644 ± 472.760 $\chi^2/\text{NDF}: 17.3/17$

Left In: 207.869 ± 383.857 $\chi^2/\text{NDF}: 12.1/16$

Left: 111.099 ± 274.844 $\chi^2/\text{NDF}: 36.1/33$

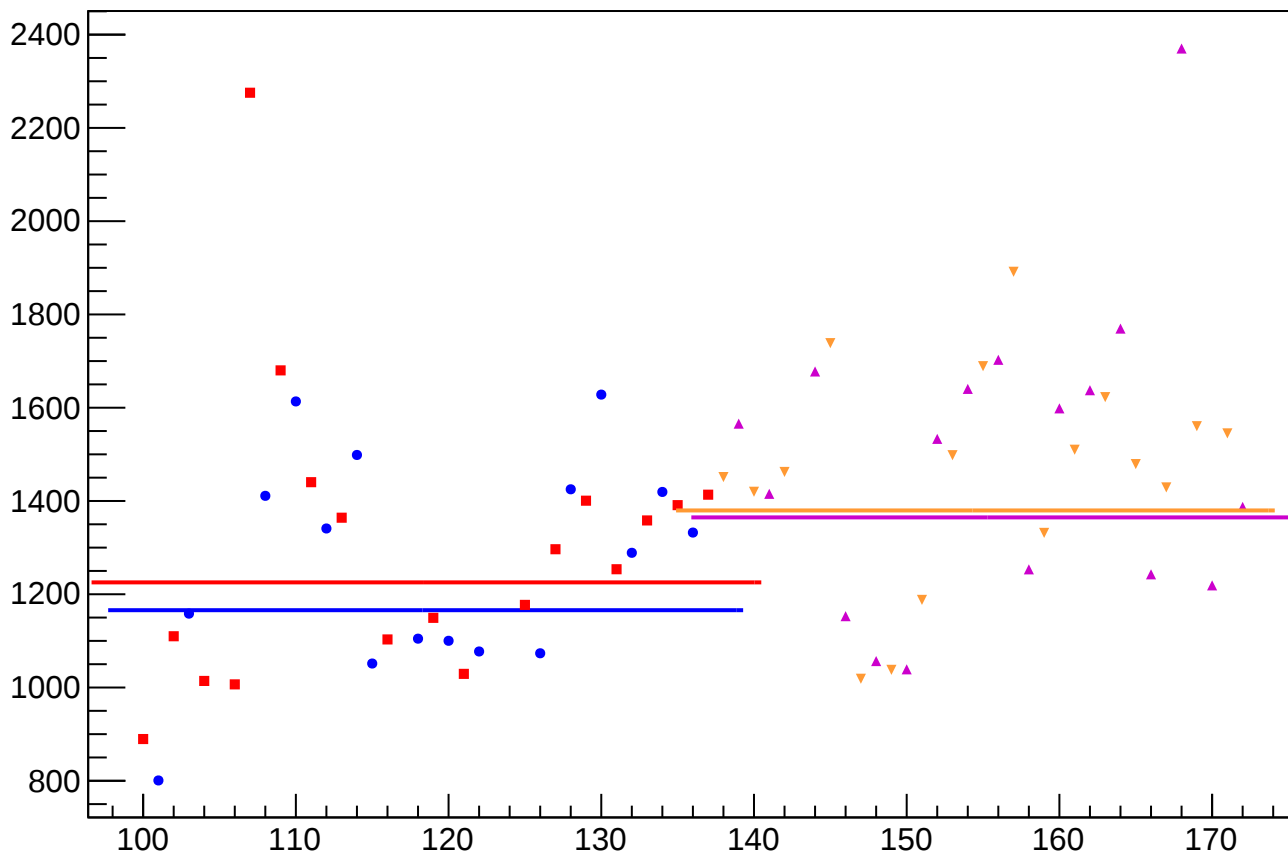
Right: -454.187 ± 331.236 $\chi^2/\text{NDF}: 32.2/33$

In: -61.578 ± 295.826 $\chi^2/\text{NDF}: 28.1/32$

Out: -179.873 ± 302.535 $\chi^2/\text{NDF}: 41.8/34$

All: -119.399 ± 211.513 $\chi^2/\text{NDF}: 70.0/67$

asym_us_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1379.712 $\pm$ 0.278 χ^2 /NDF: 750509.7/16

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

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

Left: 1372.067 $\pm$ 0.194 χ^2 /NDF: 1808860.7/33

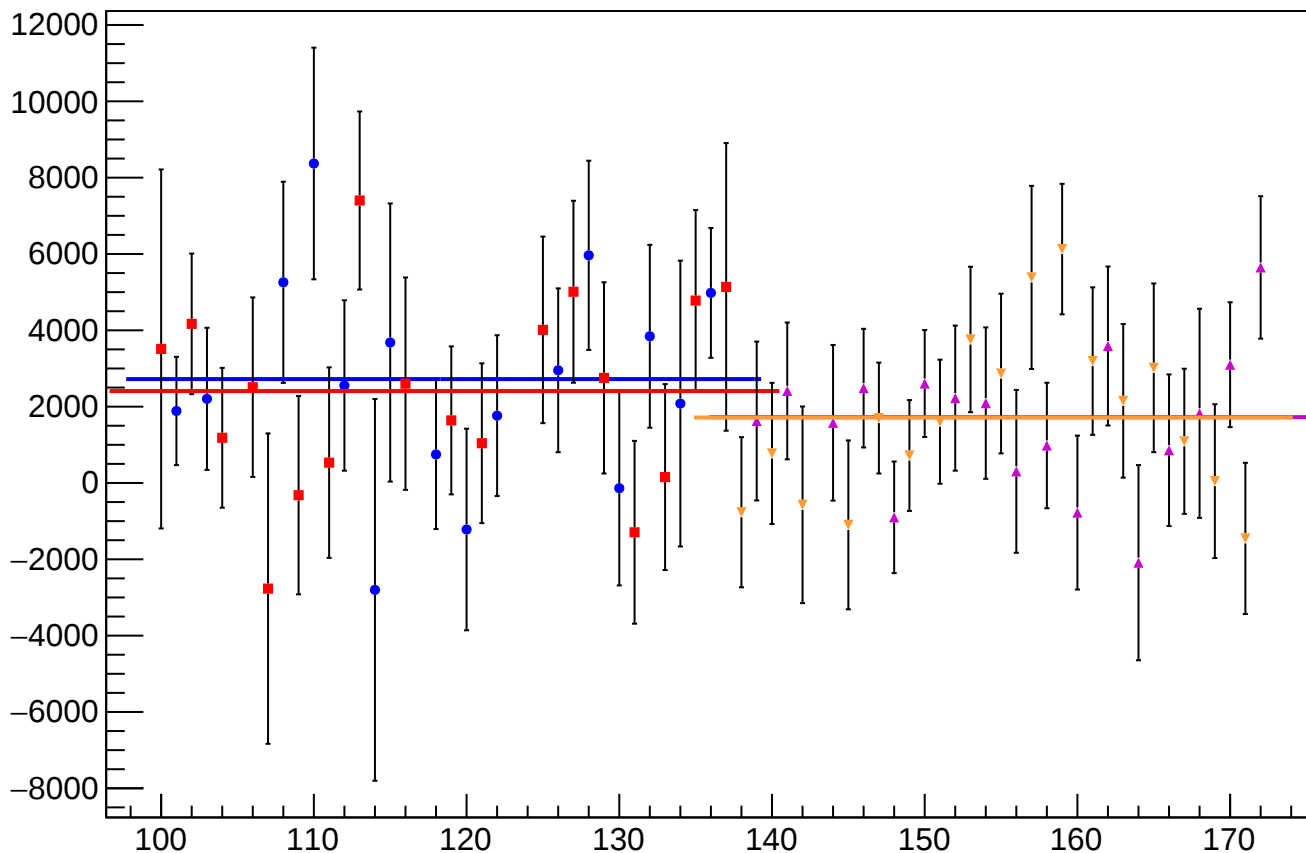
Right: 1195.087 $\pm$ 0.234 χ^2 /NDF: 983424.3/33

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

Out: 1316.539 $\pm$ 0.214 χ^2 /NDF: 1316674.3/34

All: 1299.903 $\pm$ 0.150 χ^2 /NDF: 3130432.1/67

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2722.309 $\pm$ 567.154 χ^2 /NDF: 14.6/15

Left Out: 1714.763 $\pm$ 458.870 χ^2 /NDF:19.5/16

Right Out: 2408.446 $\pm$ 568.977 χ^2 /NDF: 16.3/17

Left In: 1724.820 $\pm$ 448.487 χ^2 /NDF:14.6/16

Left: 1719.906 $\pm$ 320.736 χ^2 /NDF: 34.2/33

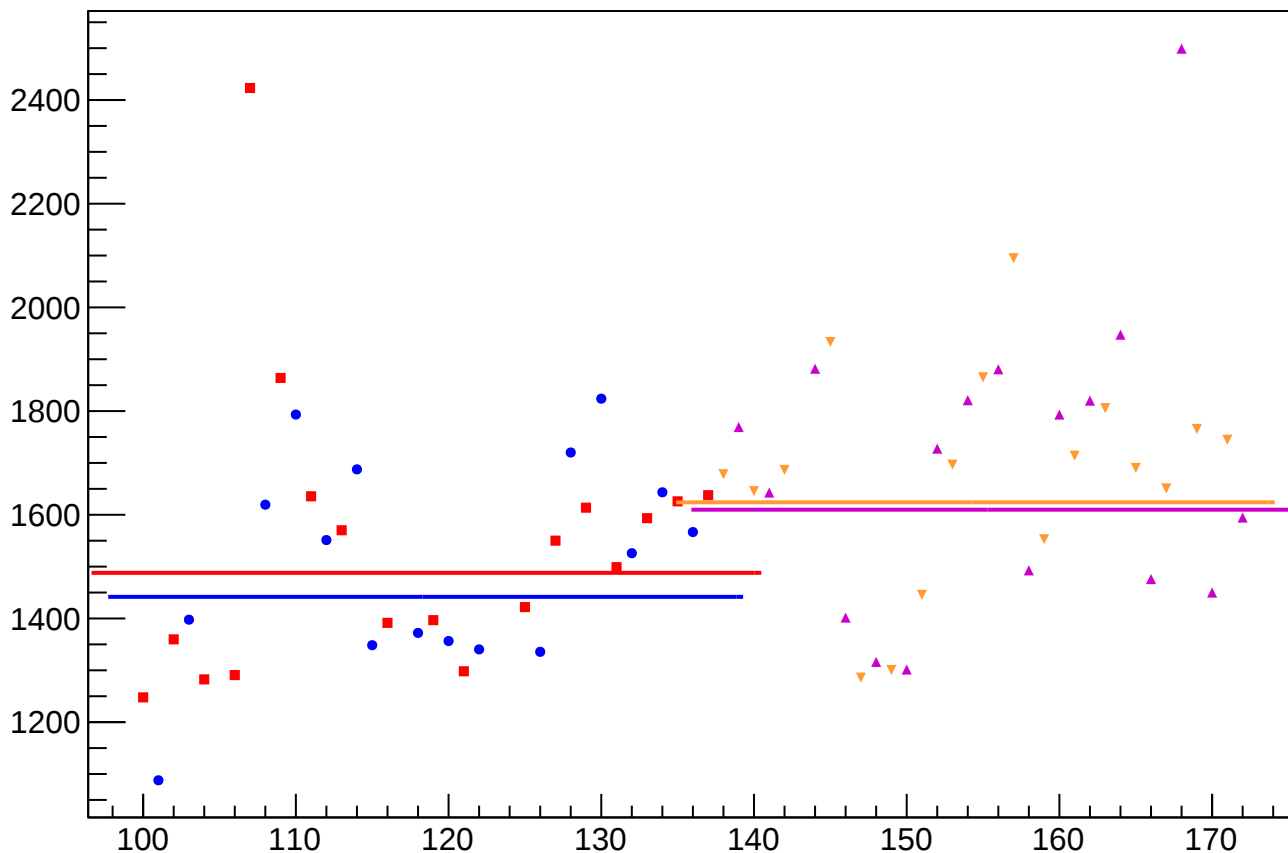
Right: 2565.881 $\pm$ 401.681 χ^2 /NDF: 31.0/33

In: 2108.588 $\pm$ 351.788 χ^2 /NDF:31.1/32

Out: 1988.137 $\pm$ 357.185 χ^2 /NDF:36.7/34

All: 2049.279 $\pm$ 250.638 χ^2 /NDF: 67.9/67

asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 1623.968+/-0.324 χ^2/NDF : 423733.5/16

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

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

Left: 1616.717+/-0.227 χ^2/NDF : 1069595.7/33

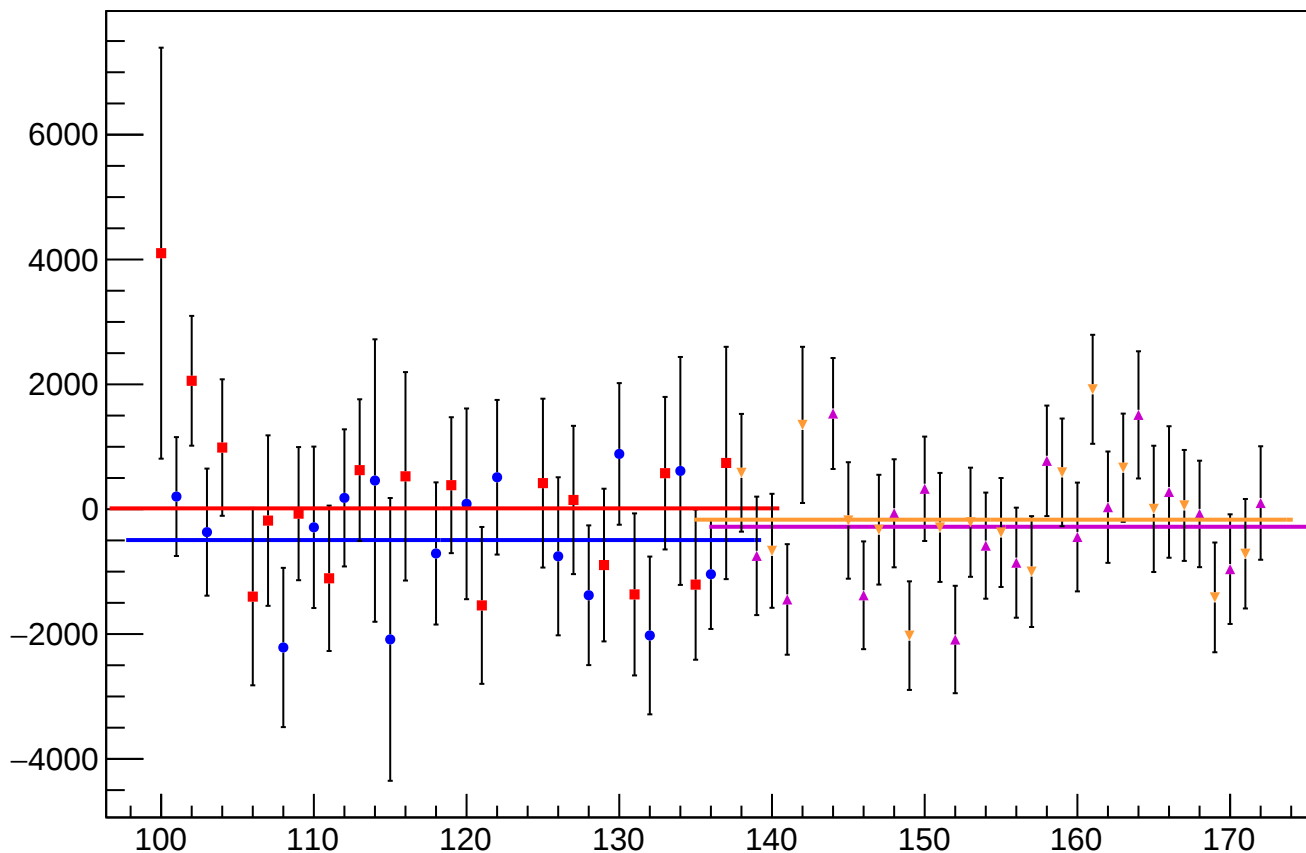
Right: 1464.799+/-0.284 χ^2/NDF : 538687.7/33

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

Out: 1570.394+/-0.253 χ^2/NDF : 749050.5/34

All: 1557.569+/-0.177 χ^2/NDF : 1782979.5/67

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -167.538+/-219.518 χ^2/NDF :17.9/16

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

Left In: -281.297+/-216.293 χ^2/NDF :19.1/16

Left: -225.259+/-154.070 χ^2/NDF : 37.1/33

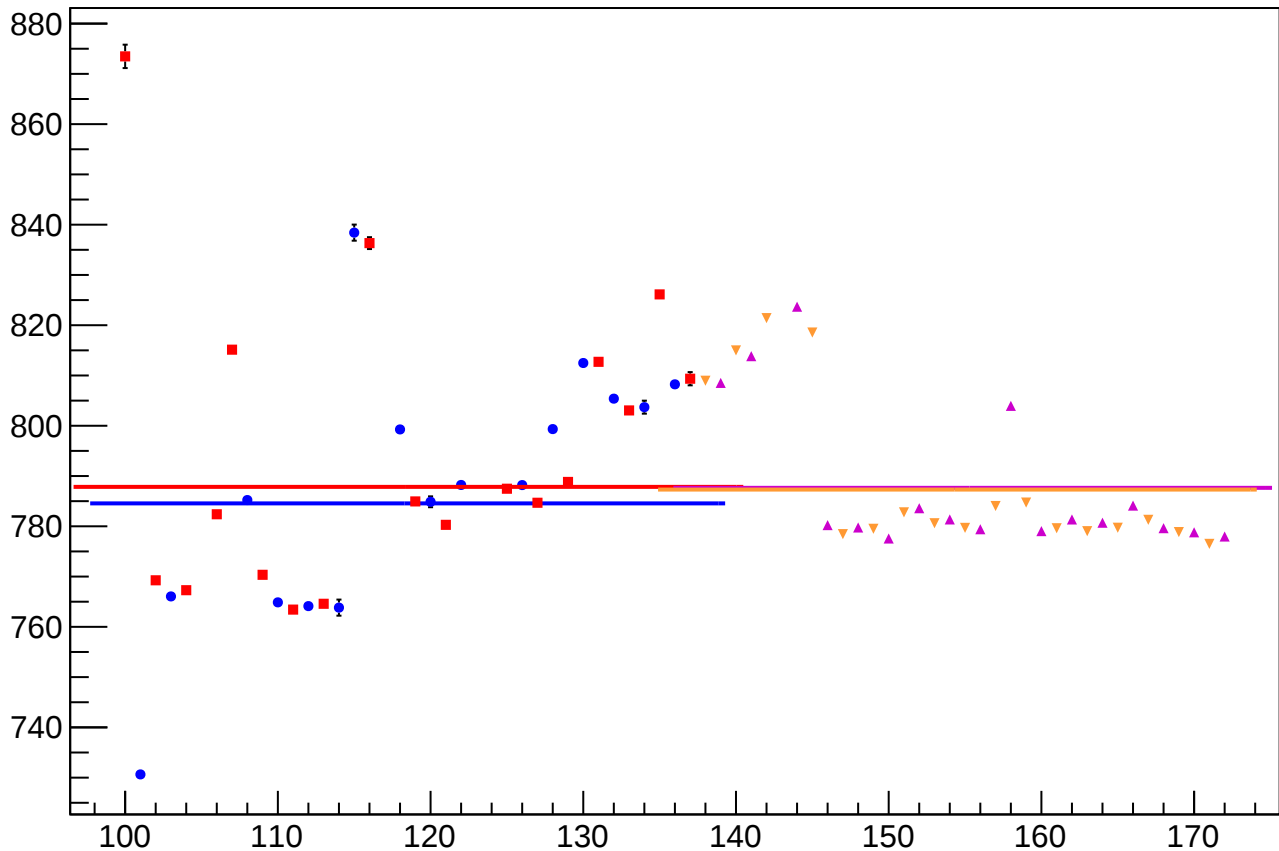
Right: -234.534+/-212.932 χ^2/NDF : 23.4/33

In: -352.658+/-176.363 χ^2/NDF :28.1/32

Out: -103.779+/-176.687 χ^2/NDF :31.4/34

All: -228.446+/-124.822 χ^2/NDF : 60.5/67

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 787.306+/-0.155 χ^2/NDF : 8384.3/16

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

Left In: 787.652+/-0.153 χ^2/NDF : 8632.2/16

Left: 787.481+/-0.109 χ^2/NDF : 17019.1/33

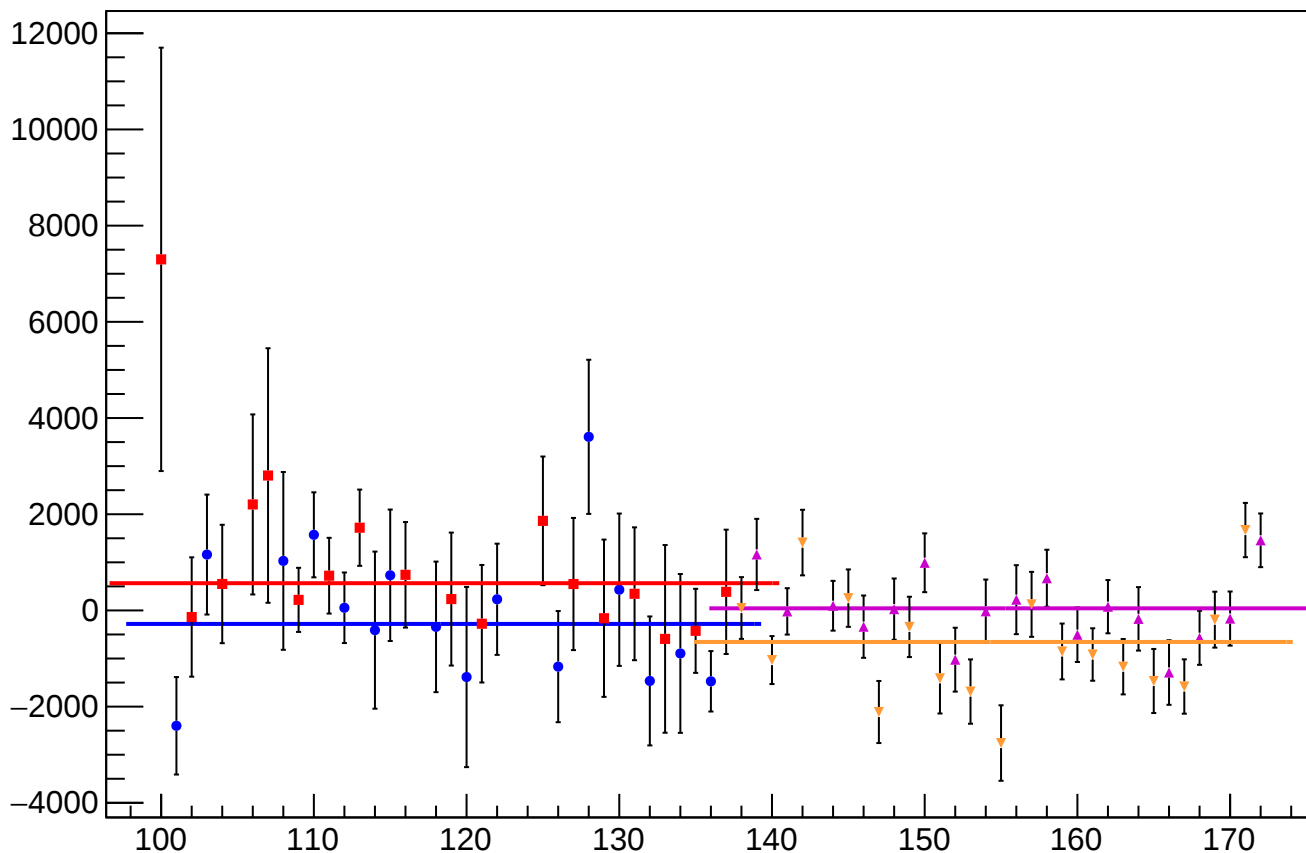
Right: 786.239+/-0.151 χ^2/NDF : 24705.7/33

In: 786.615+/-0.125 χ^2/NDF : 22447.0/32

Out: 787.496+/-0.125 χ^2/NDF : 19297.6/34

All: 787.054+/-0.088 χ^2/NDF : 41769.5/67

asym_us_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -655.385 ± 148.898 χ^2/NDF : 53.5/16

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

Left In: 43.523 ± 145.626 χ^2/NDF : 21.6/16

Left: -298.168 ± 104.110 χ^2/NDF : 86.4/33

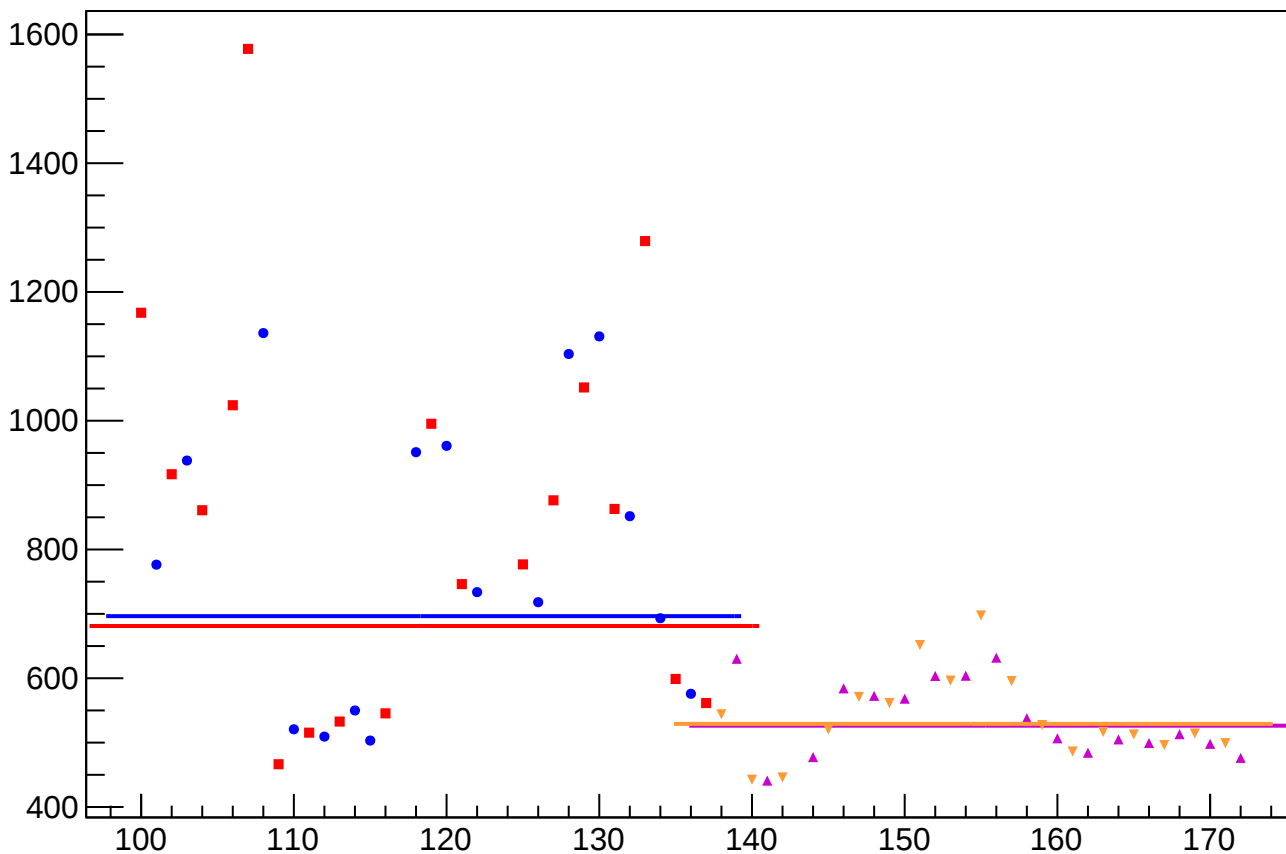
Right: 157.456 ± 196.270 χ^2/NDF : 37.7/33

In: -24.530 ± 129.440 χ^2/NDF : 45.7/32

Out: -375.119 ± 130.706 χ^2/NDF : 78.9/34

All: -198.118 ± 91.972 χ^2/NDF : 128.3/67

asym_us_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 529.101+/-0.105 χ^2/NDF : 321554.5/16

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

Left In: 526.310+/-0.103 χ^2/NDF : 296020.0/16

Left: 527.674+/-0.074 χ^2/NDF : 617933.8/33

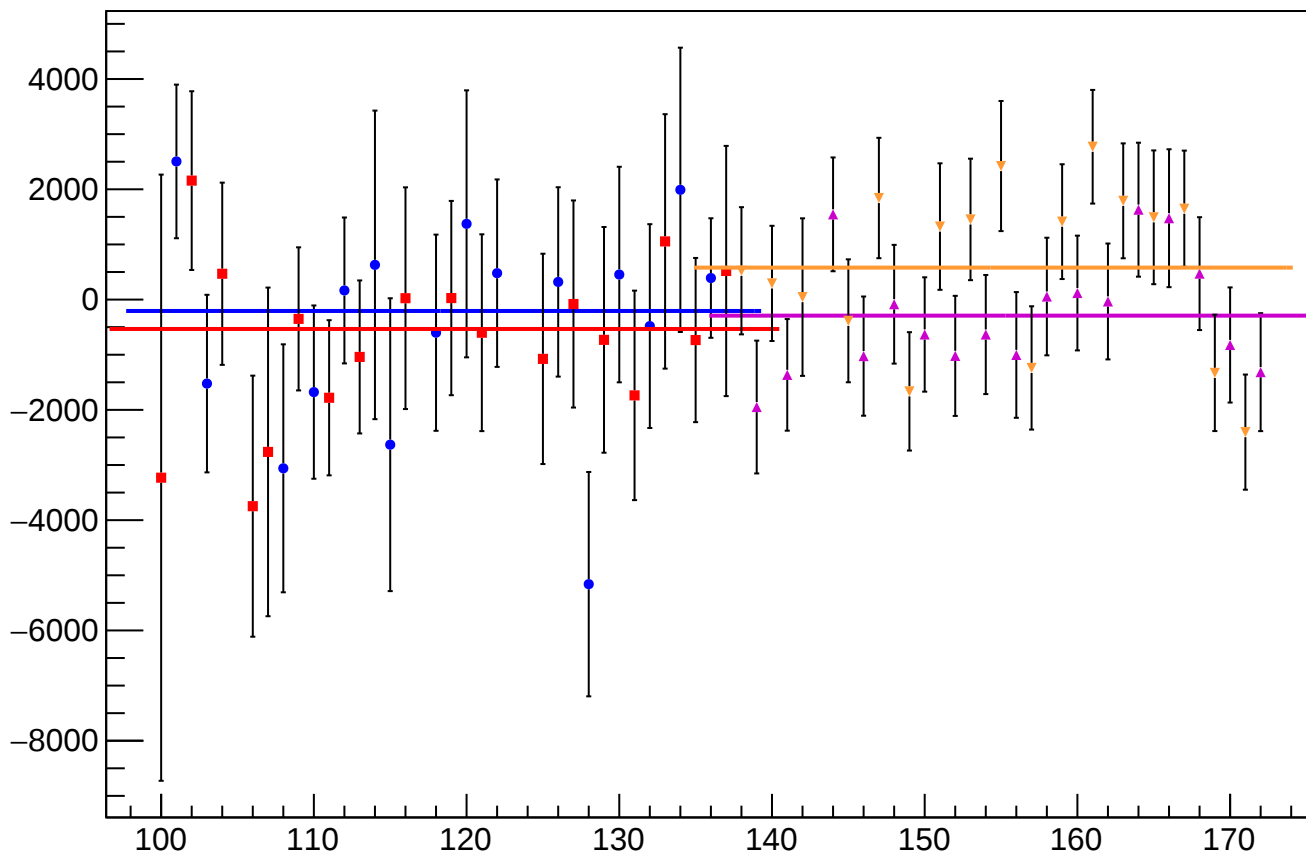
Right: 688.529+/-0.139 χ^2/NDF : 2315094.2/33

In: 562.032+/-0.092 χ^2/NDF : 1828733.7/32

Out: 563.979+/-0.092 χ^2/NDF : 2152436.6/34

All: 562.996+/-0.065 χ^2/NDF : 3981394.5/67

asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: 579.799 ± 267.693 χ^2/NDF : 32.4/16

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

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

Left: 136.052 ± 187.479 χ^2/NDF : 52.0/33

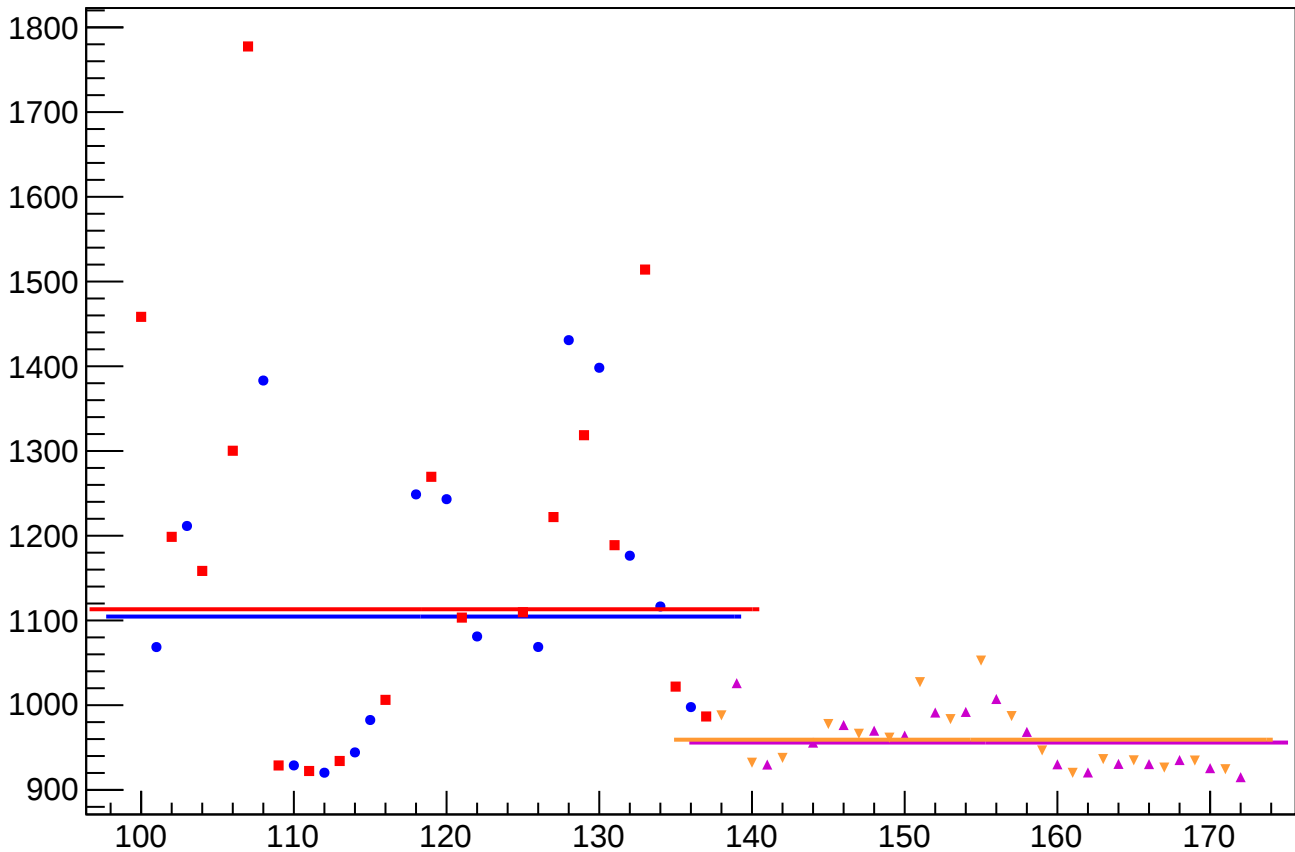
Right: -372.131 ± 304.348 χ^2/NDF : 24.2/33

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

Out: 266.018 ± 226.827 χ^2/NDF : 45.4/34

All: -3.738 ± 159.624 χ^2/NDF : 78.3/67

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1104.596 $\pm$ 0.307 χ^2 /NDF: 255488.3/15

Left Out: 959.271 $\pm$ 0.189 χ^2 /NDF: 35665.5/16

Right Out: 1113.215 $\pm$ 0.302 χ^2 /NDF: 362982.2/17

Left In: 955.892 $\pm$ 0.186 χ^2 /NDF: 28563.2/16

Left: 957.549 $\pm$ 0.133 χ^2 /NDF: 64391.2/33

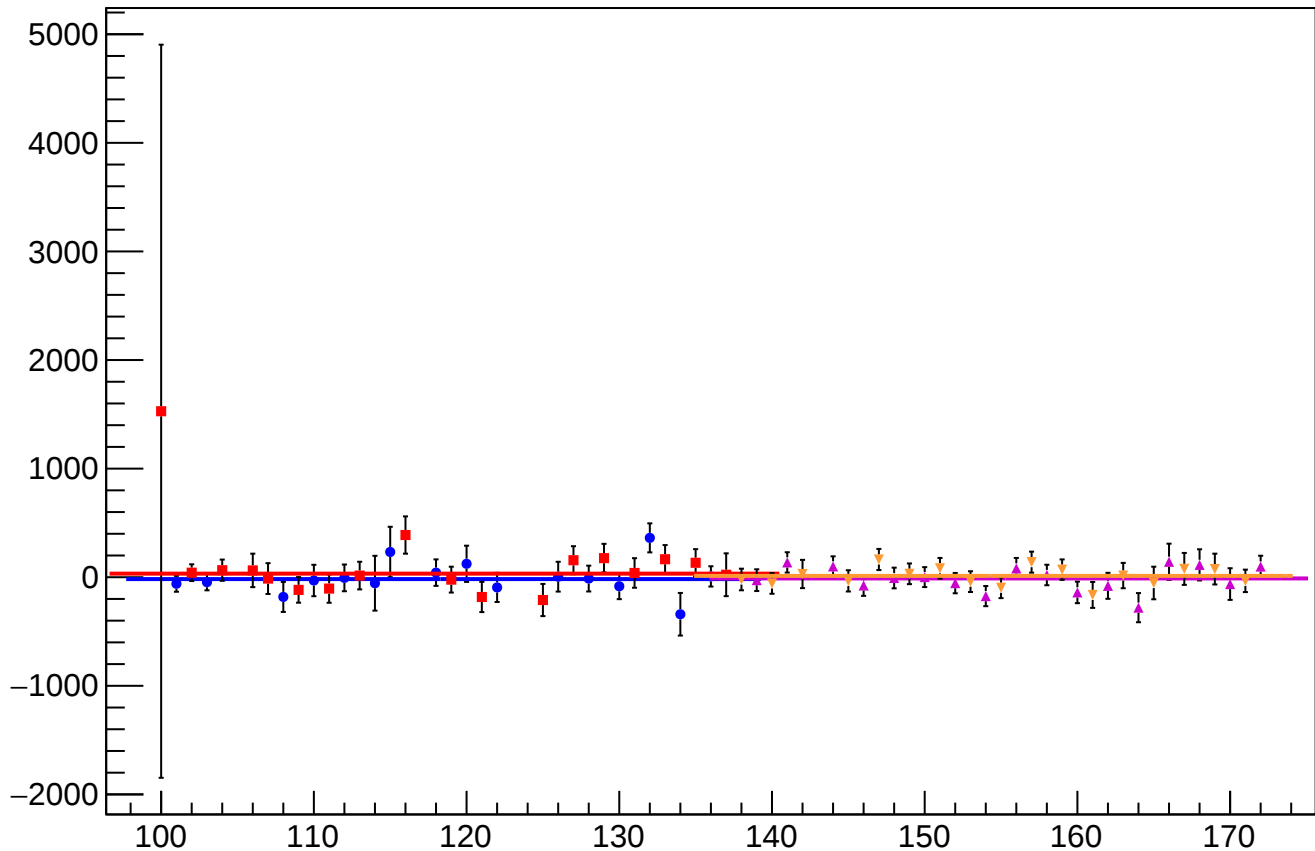
Right: 1108.972 $\pm$ 0.215 χ^2 /NDF: 618871.4/33

In: 995.785 $\pm$ 0.159 χ^2 /NDF: 456040.8/32

Out: 1002.686 $\pm$ 0.160 χ^2 /NDF: 585180.7/34

All: 999.202 $\pm$ 0.113 χ^2 /NDF: 1042155.9/67

reg_asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 12.334+/-25.672 χ^2/NDF :10.5/16

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

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

Left: 0.308+/-17.972 χ^2/NDF : 28.6/33

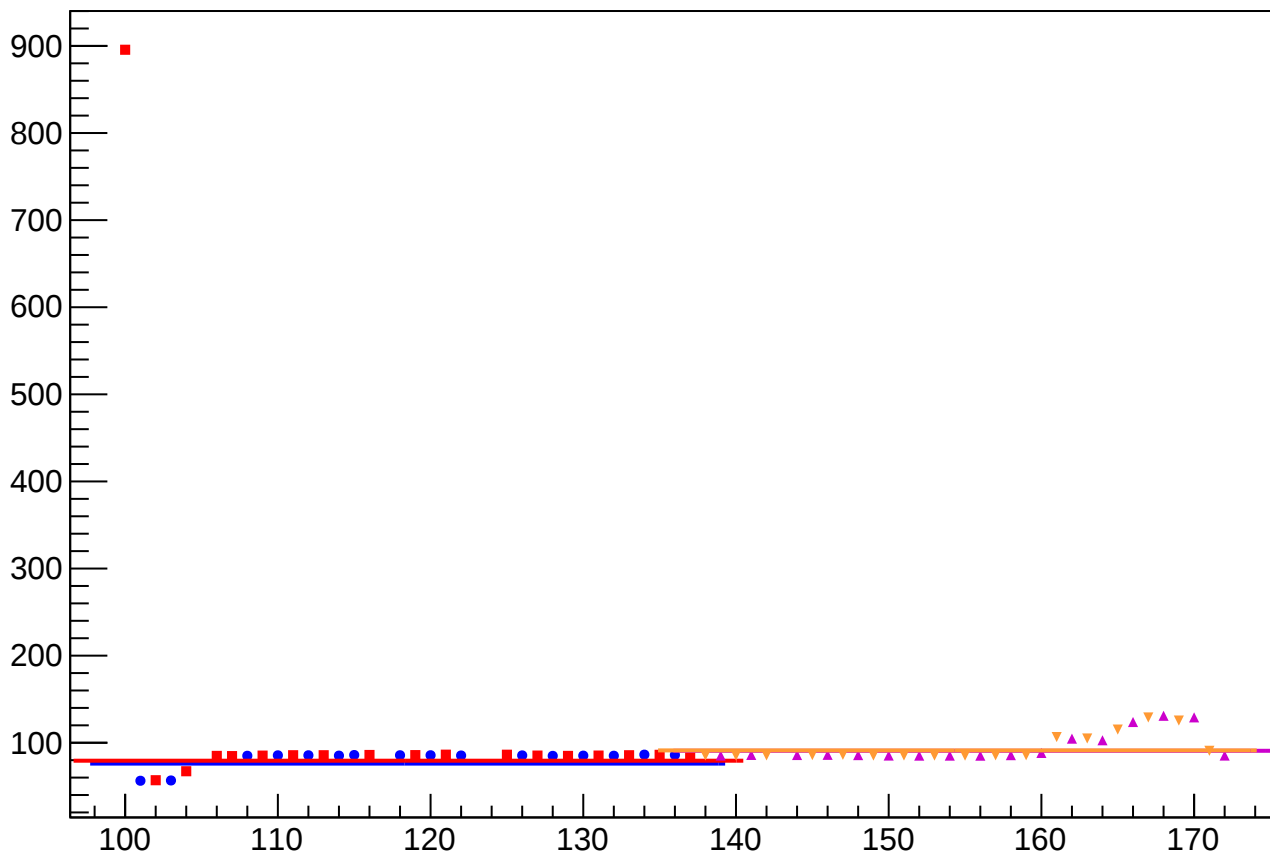
Right: 7.447+/-21.365 χ^2/NDF : 33.5/33

In: -13.723+/-19.278 χ^2/NDF :33.3/32

Out: 20.877+/-19.626 χ^2/NDF :27.3/34

All: 3.267+/-13.753 χ^2/NDF : 62.2/67

reg_asym_ds_avg_rms vs Slug, Sign Corrected



Right In: 76.079 $\pm$ 0.021 χ^2 /NDF: 409170.8/15

Left Out: 91.216 $\pm$ 0.018 χ^2 /NDF: 435634.6/16

Right Out: 79.390 $\pm$ 0.022 χ^2 /NDF: 378526.1/17

Left In: 90.772 $\pm$ 0.018 χ^2 /NDF: 485188.5/16

Left: 90.990 $\pm$ 0.013 χ^2 /NDF: 921127.6/33

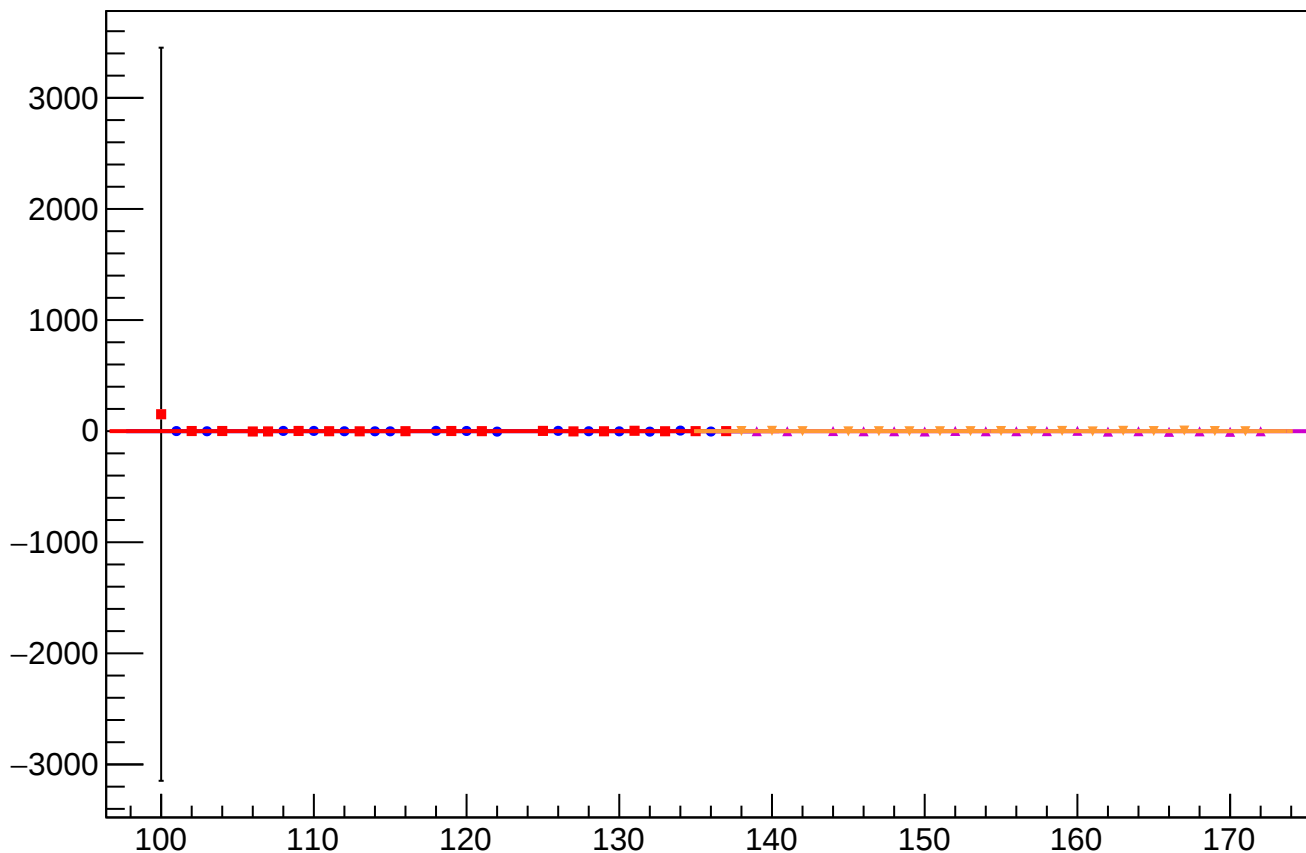
Right: 77.709 $\pm$ 0.015 χ^2 /NDF: 799700.2/33

In: 84.700 $\pm$ 0.014 χ^2 /NDF: 1176080.2/32

Out: 86.302 $\pm$ 0.014 χ^2 /NDF: 990524.4/34

All: 85.487 $\pm$ 0.010 χ^2 /NDF: 2173382.6/67

asym_ds_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.031 ± 0.441 χ^2/NDF : 12.9/16

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

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

Left: -0.241 ± 0.315 χ^2/NDF : 32.5/33

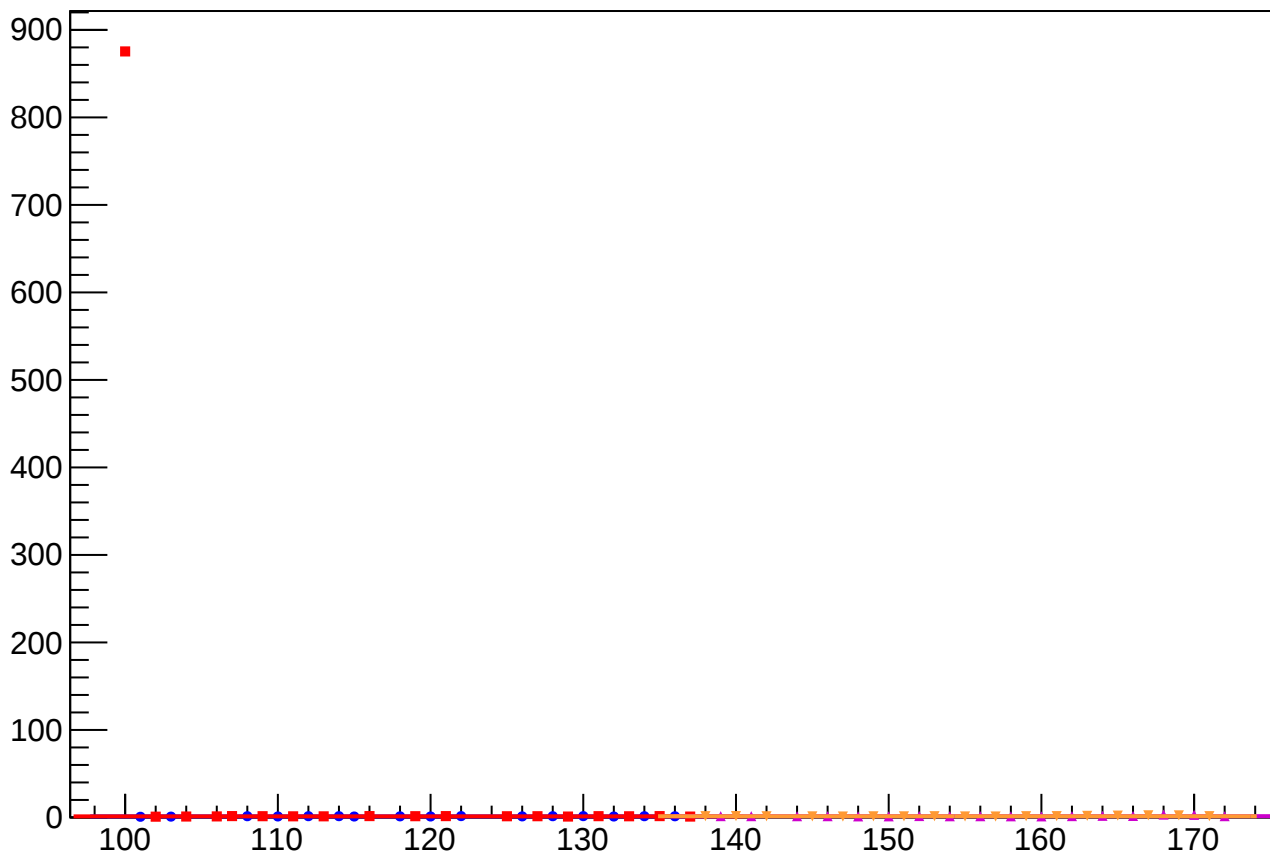
Right: -0.108 ± 0.361 χ^2/NDF : 30.4/33

In: -0.380 ± 0.335 χ^2/NDF : 40.5/32

Out: 0.014 ± 0.336 χ^2/NDF : 21.9/34

All: -0.184 ± 0.238 χ^2/NDF : 63.0/67

asym_ds_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.388+/-0.000 χ^2/NDF : 898334.6/16

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

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

Left: 1.430+/-0.000 χ^2/NDF : 1903288.0/33

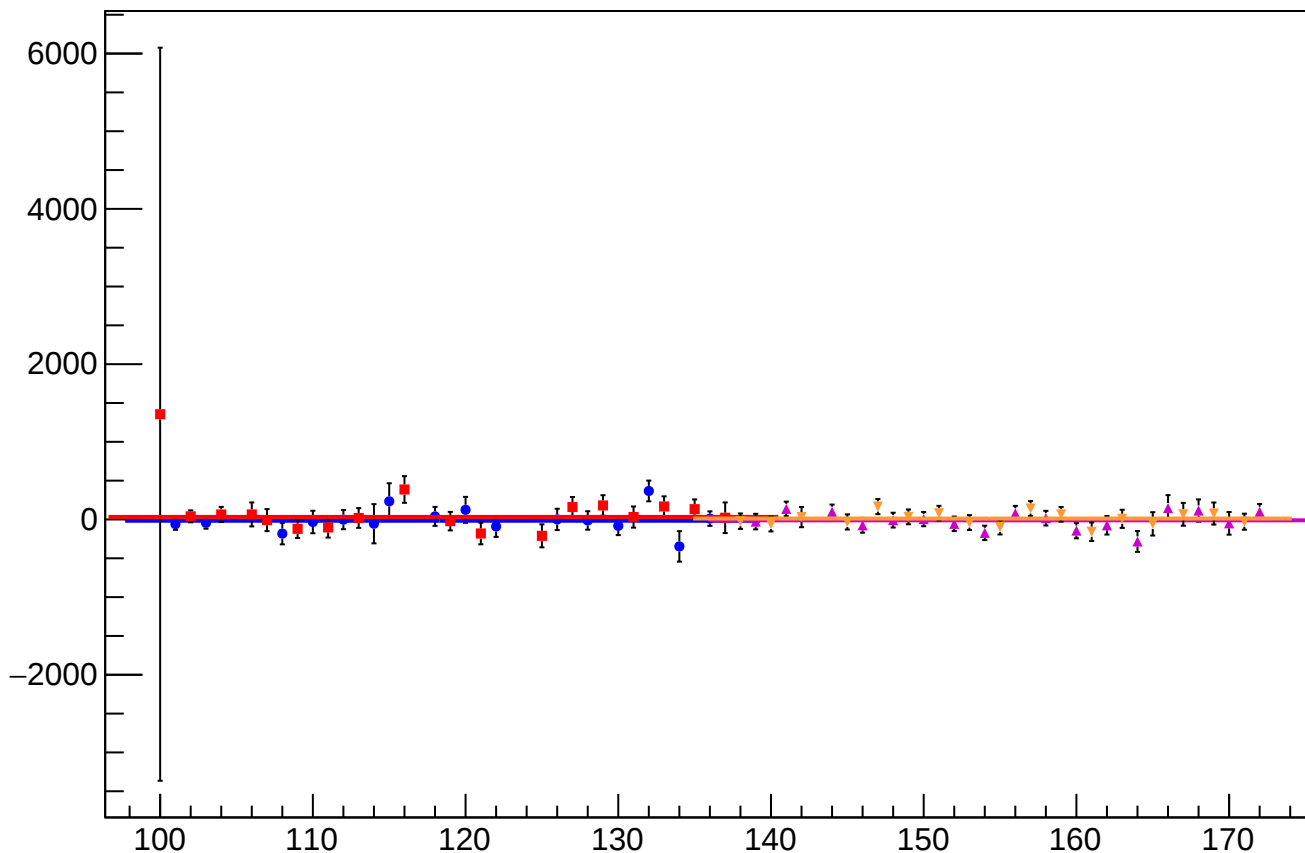
Right: 1.198+/-0.000 χ^2/NDF : 1065824.7/33

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

Out: 1.329+/-0.000 χ^2/NDF : 1500529.1/34

All: 1.330+/-0.000 χ^2/NDF : 3437312.8/67

asym_ds_avg_mean vs Slug, Sign Corrected



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

Left Out: 12.177 ± 25.680 χ^2/NDF : 10.4/16

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

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

Left: 0.377 ± 17.978 χ^2/NDF : 28.5/33

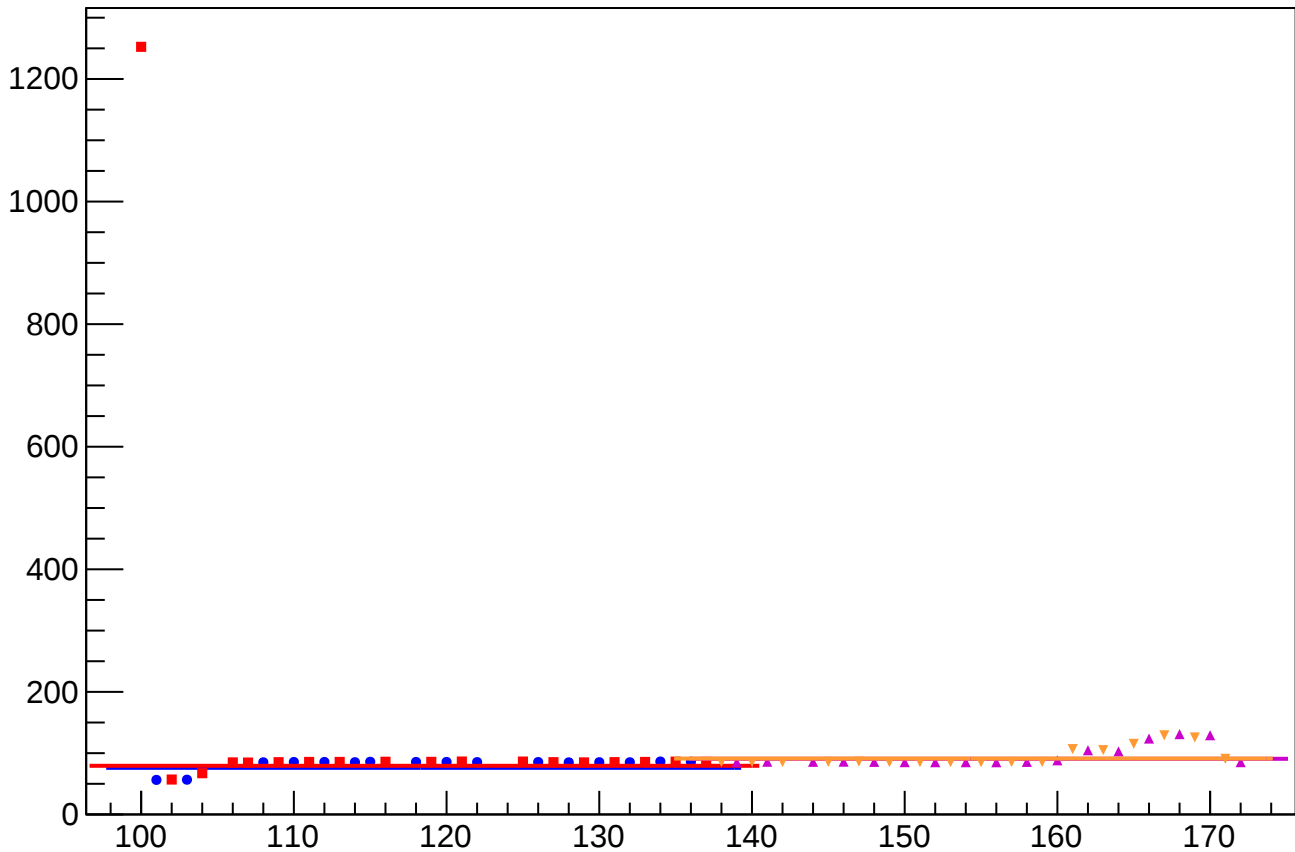
Right: 8.026 ± 21.371 χ^2/NDF : 33.7/33

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

Out: 20.878 ± 19.632 χ^2/NDF : 27.2/34

All: 3.547 ± 13.757 χ^2/NDF : 62.3/67

asym_ds_avg_rms vs Slug, Sign Corrected



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

Left Out: 91.243 $\pm$ 0.018 χ^2 /NDF: 436374.2/16

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

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

Left: 91.017 $\pm$ 0.013 χ^2 /NDF: 922731.6/33

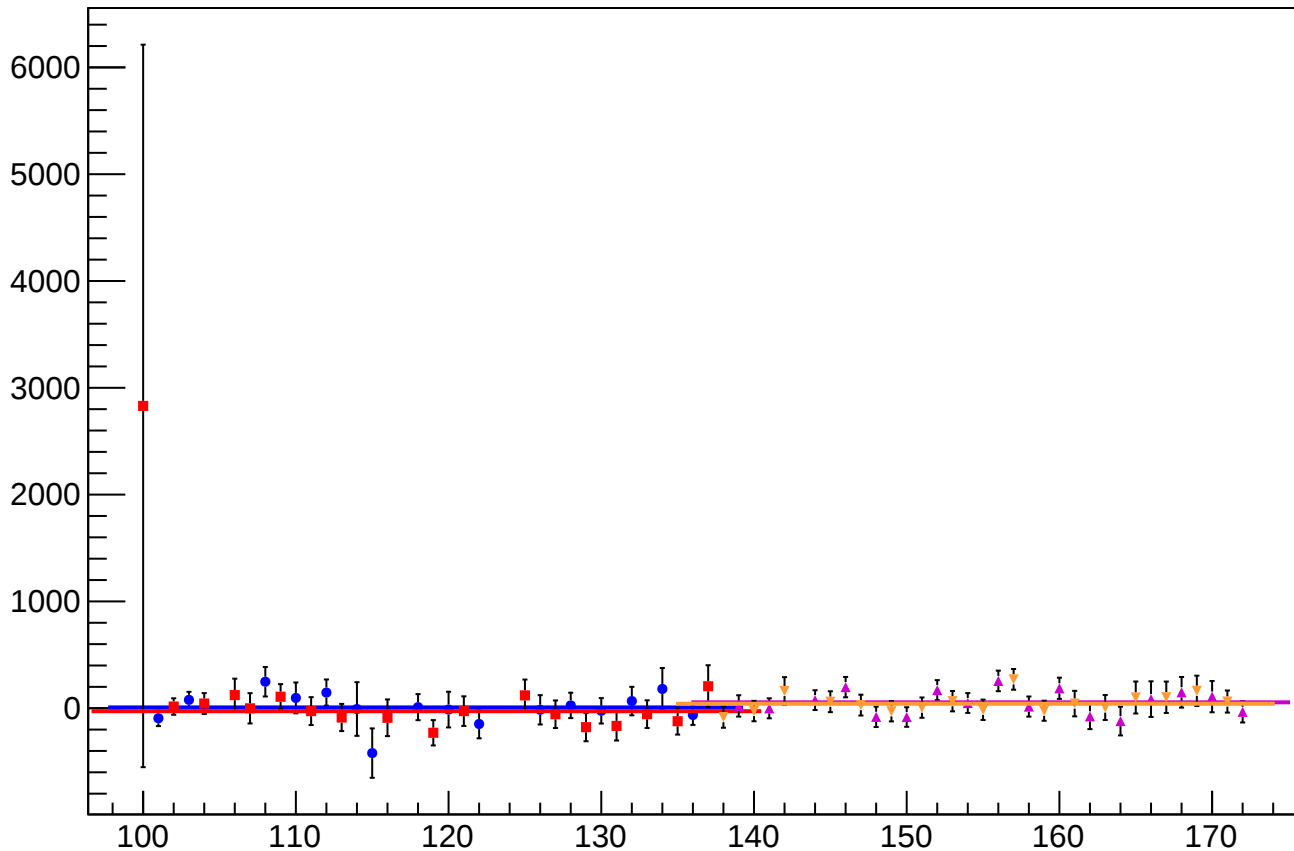
Right: 77.721 $\pm$ 0.015 χ^2 /NDF: 806127.4/33

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

Out: 86.319 $\pm$ 0.014 χ^2 /NDF: 998383.2/34

All: 85.507 $\pm$ 0.010 χ^2 /NDF: 2182189.0/67

reg_asym_ds_dd_mean vs Slug, Sign Corrected



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

Left Out: 41.833 ± 25.672 χ^2/NDF : 11.3/16

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

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

Left: 48.652 ± 17.973 χ^2/NDF : 30.5/33

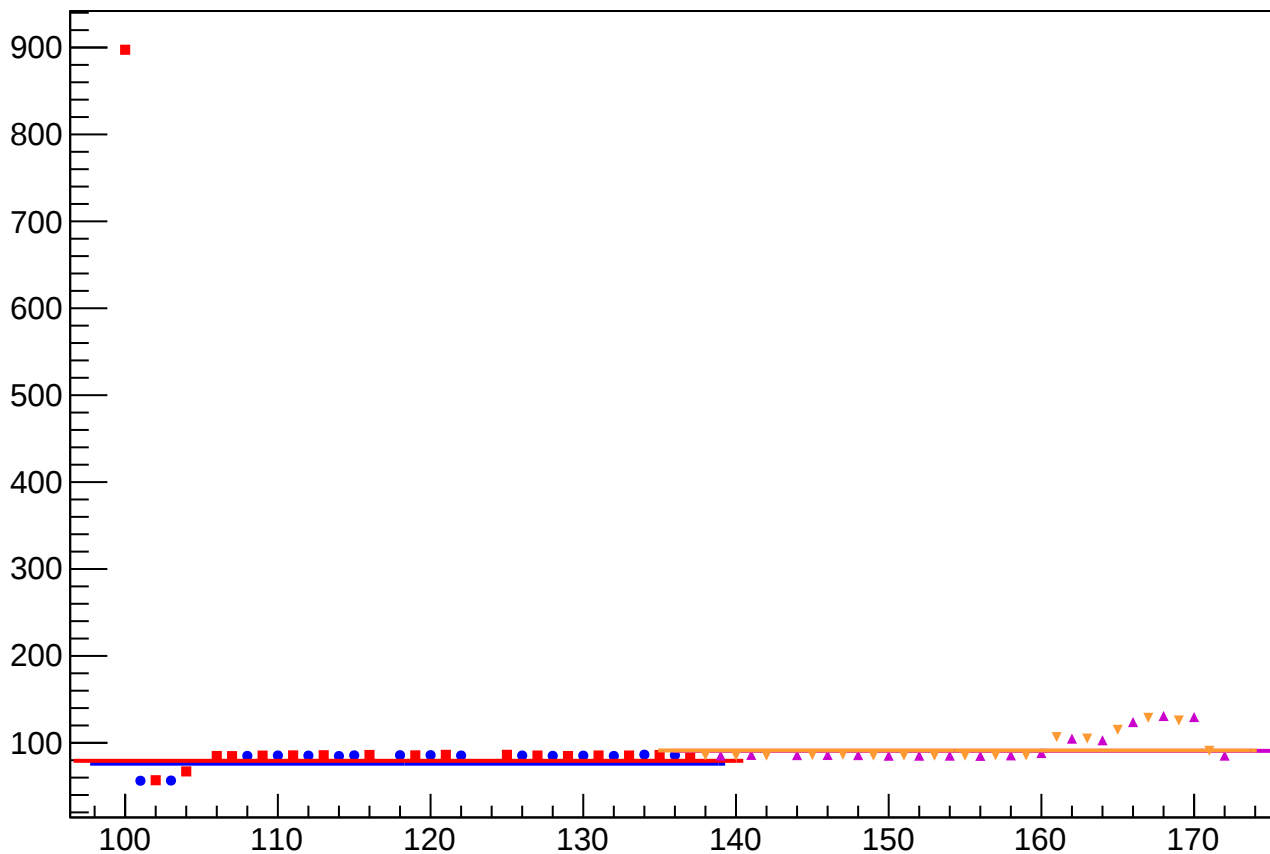
Right: -9.961 ± 21.352 χ^2/NDF : 27.1/33

In: 35.459 ± 19.274 χ^2/NDF : 34.5/32

Out: 12.828 ± 19.621 χ^2/NDF : 26.9/34

All: 24.345 ± 13.750 χ^2/NDF : 62.1/67

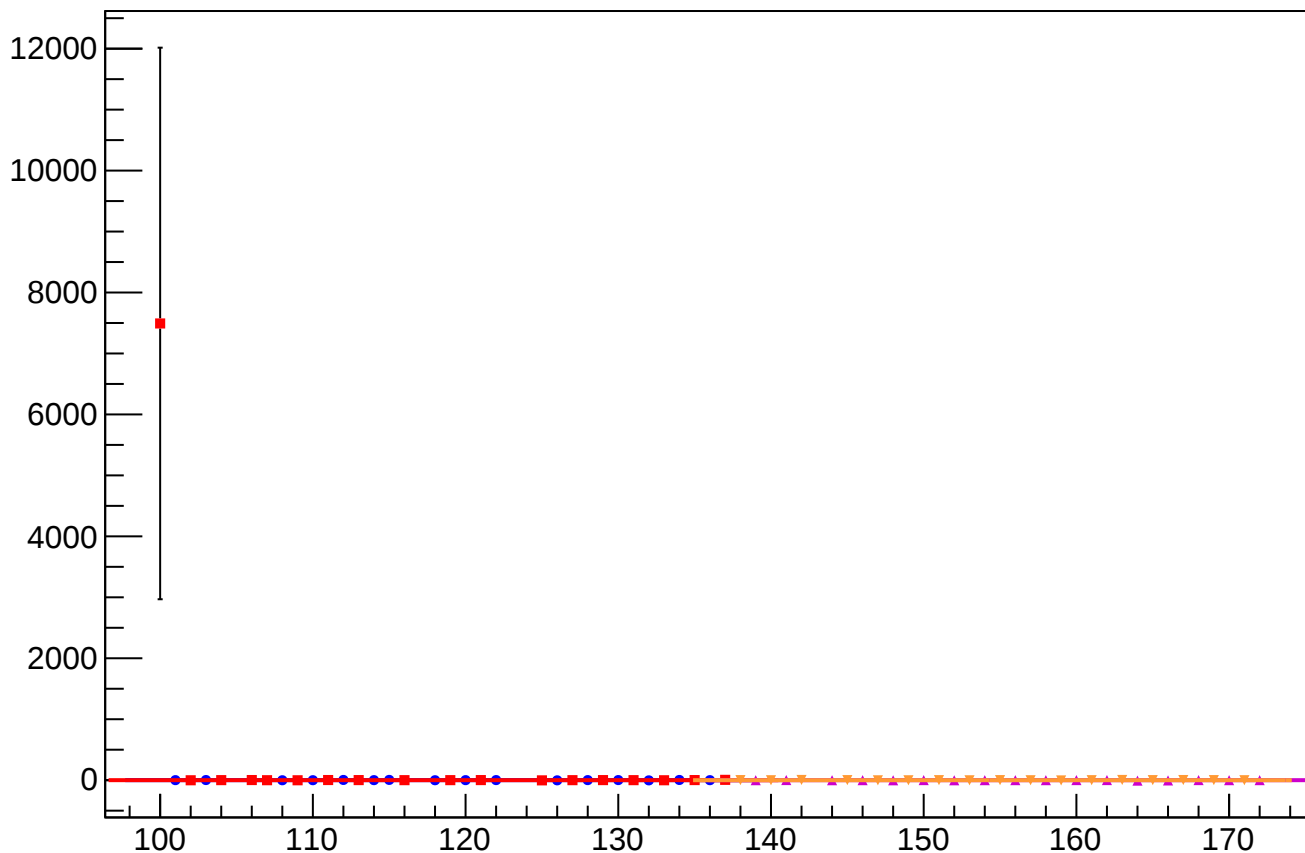
reg_asym_ds_dd_rms vs Slug, Sign Corrected



Right In: 76.032 ± 0.021 $\chi^2/\text{NDF}: 408917.7/15$
Left Out: 91.214 ± 0.018 $\chi^2/\text{NDF}: 435067.1/16$
Right Out: 79.342 ± 0.022 $\chi^2/\text{NDF}: 378371.9/17$
Left In: 90.773 ± 0.018 $\chi^2/\text{NDF}: 488860.4/16$

Left: 90.989 ± 0.013 $\chi^2/\text{NDF}: 924229.0/33$
Right: 77.662 ± 0.015 $\chi^2/\text{NDF}: 799302.8/33$
In: 84.676 ± 0.014 $\chi^2/\text{NDF}: 1181529.3/32$
Out: 86.277 ± 0.014 $\chi^2/\text{NDF}: 991317.7/34$
All: 85.462 ± 0.010 $\chi^2/\text{NDF}: 2179628.7/67$

asym_ds_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.339 ± 0.456 χ^2/NDF : 16.5/16

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

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

Left: -0.094 ± 0.321 χ^2/NDF : 32.0/33

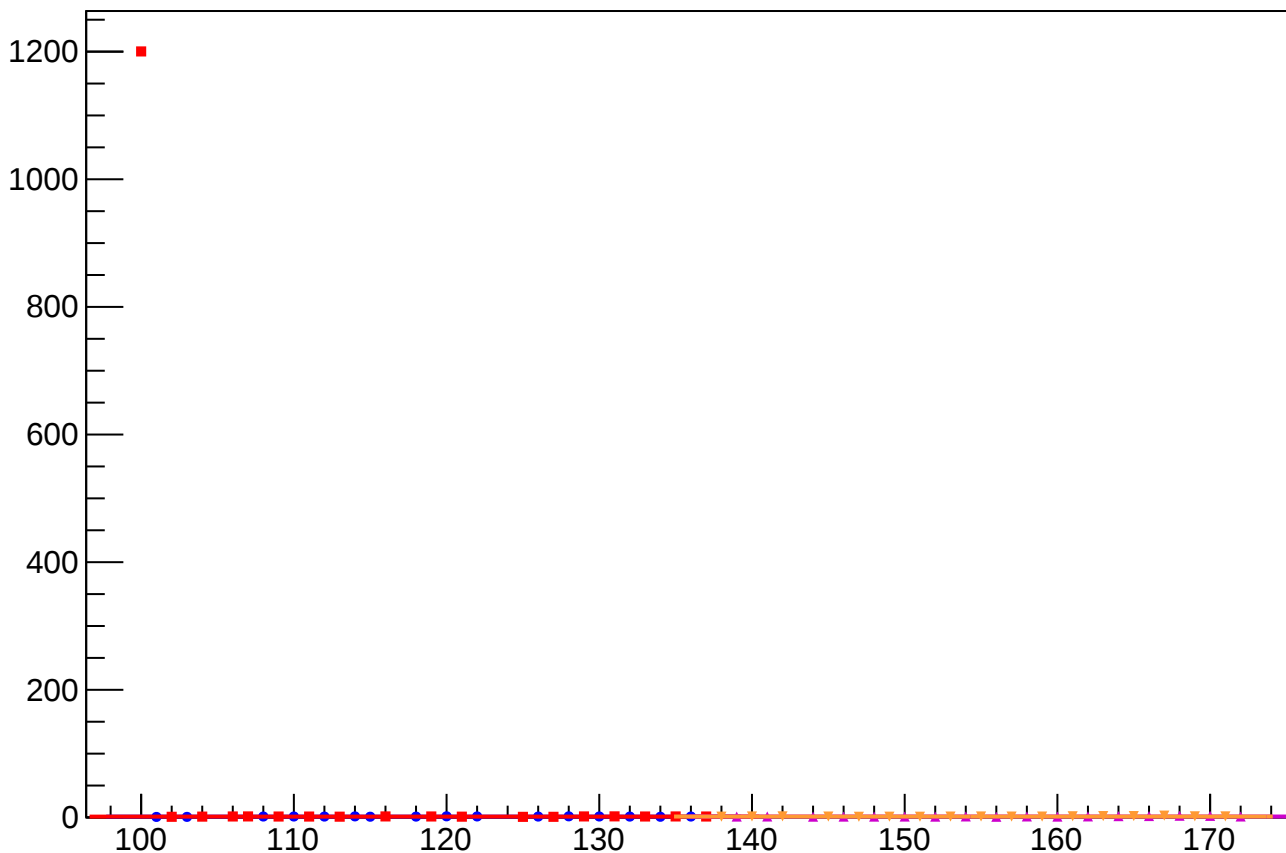
Right: 0.621 ± 0.382 χ^2/NDF : 25.2/33

In: 0.465 ± 0.344 χ^2/NDF : 28.2/32

Out: -0.073 ± 0.350 χ^2/NDF : 29.9/34

All: 0.201 ± 0.246 χ^2/NDF : 59.3/67

asym_ds_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.446 $\pm$ 0.000 χ^2 /NDF:1037110.5/16

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

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

Left: 1.455 $\pm$ 0.000 χ^2 /NDF: 1967863.9/33

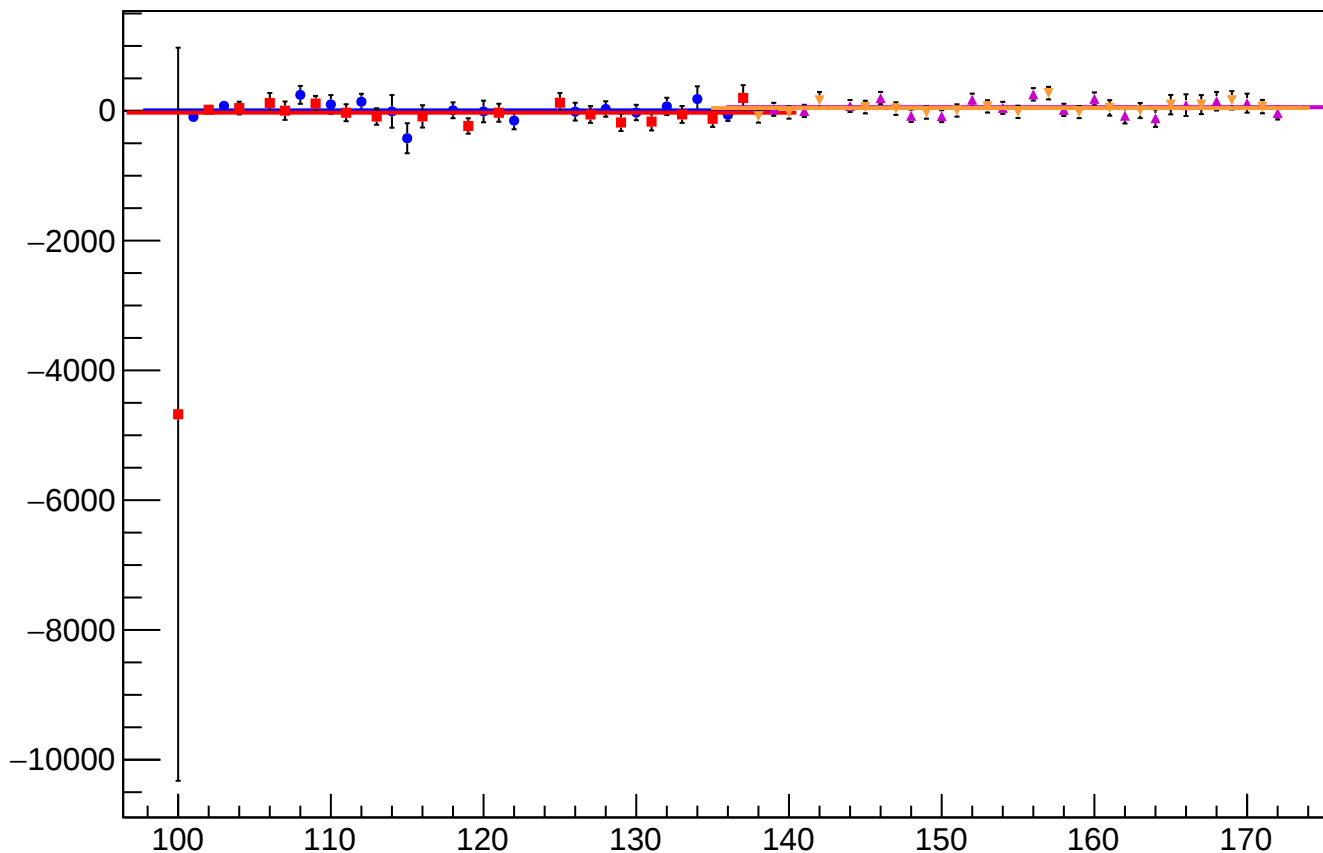
Right: 1.276 $\pm$ 0.000 χ^2 /NDF: 1201203.5/33

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

Out: 1.393 $\pm$ 0.000 χ^2 /NDF:1623494.4/34

All: 1.381 $\pm$ 0.000 χ^2 /NDF: 3424318.6/67

asym_ds_dd_mean vs Slug, Sign Corrected



Right In: 6.781 ± 29.977 $\chi^2/\text{NDF}: 13.8/15$

Left Out: 42.510 ± 25.680 $\chi^2/\text{NDF}: 11.2/16$

Right Out: -28.551 ± 30.437 $\chi^2/\text{NDF}: 12.7/17$

Left In: 55.778 ± 25.178 $\chi^2/\text{NDF}: 18.8/16$

Left: 49.275 ± 17.978 $\chi^2/\text{NDF}: 30.2/33$

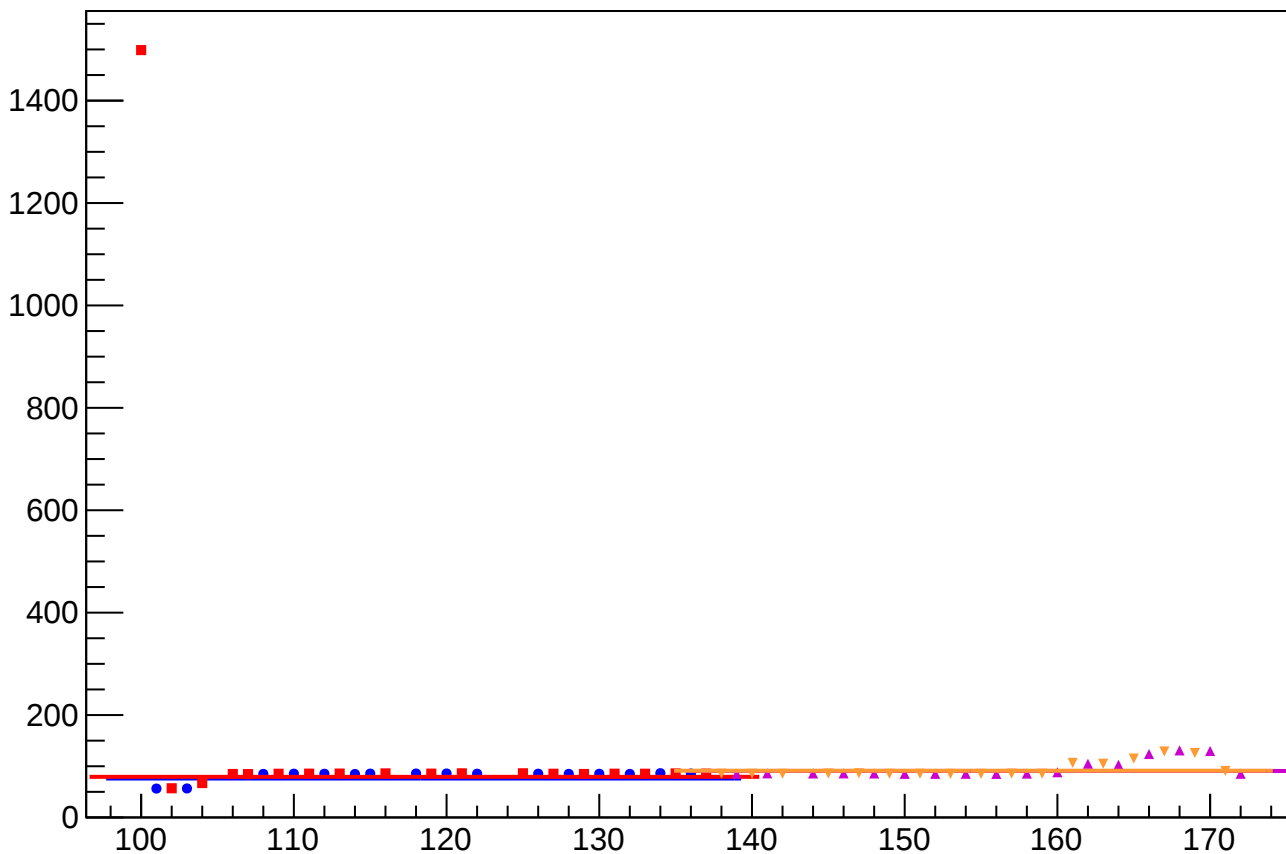
Right: -10.616 ± 21.358 $\chi^2/\text{NDF}: 27.2/33$

In: 35.511 ± 19.280 $\chi^2/\text{NDF}: 34.2/32$

Out: 12.960 ± 19.627 $\chi^2/\text{NDF}: 27.1/34$

All: 24.437 ± 13.754 $\chi^2/\text{NDF}: 62.0/67$

asym_ds_dd_rms vs Slug, Sign Corrected



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

Left Out: 91.242 $\pm$ 0.018 χ^2/NDF : 435809.0/16

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

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

Left: 91.016 $\pm$ 0.013 χ^2/NDF : 925774.5/33

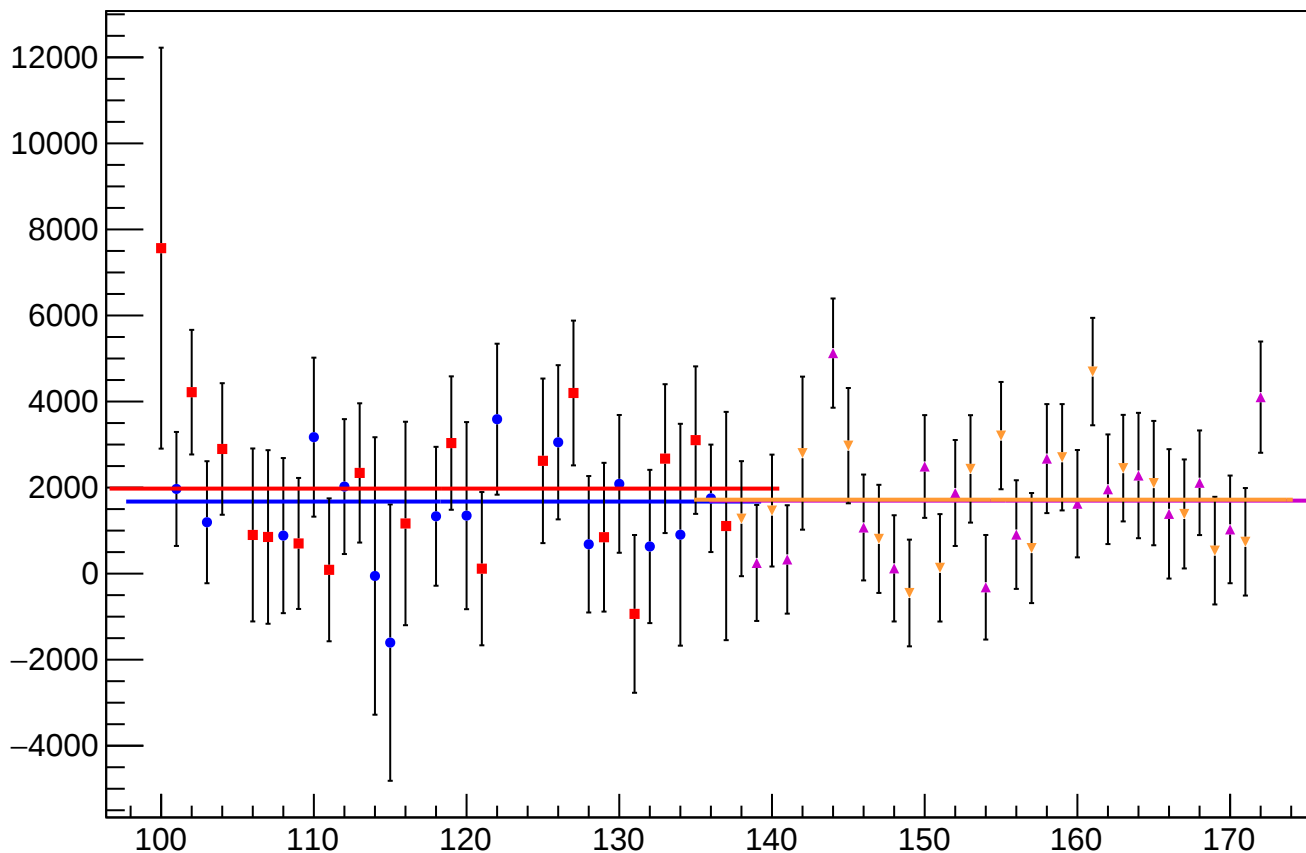
Right: 77.670 $\pm$ 0.015 χ^2/NDF : 808427.1/33

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

Out: 86.292 $\pm$ 0.014 χ^2/NDF : 1002125.9/34

All: 85.482 $\pm$ 0.010 χ^2/NDF : 2191284.8/67

reg_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1718.638+/-313.499 χ^2/NDF : 17.4/16

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

Left In: 1696.303+/-308.755 χ^2/NDF : 19.8/16

Left: 1707.300+/-219.981 χ^2/NDF : 37.3/33

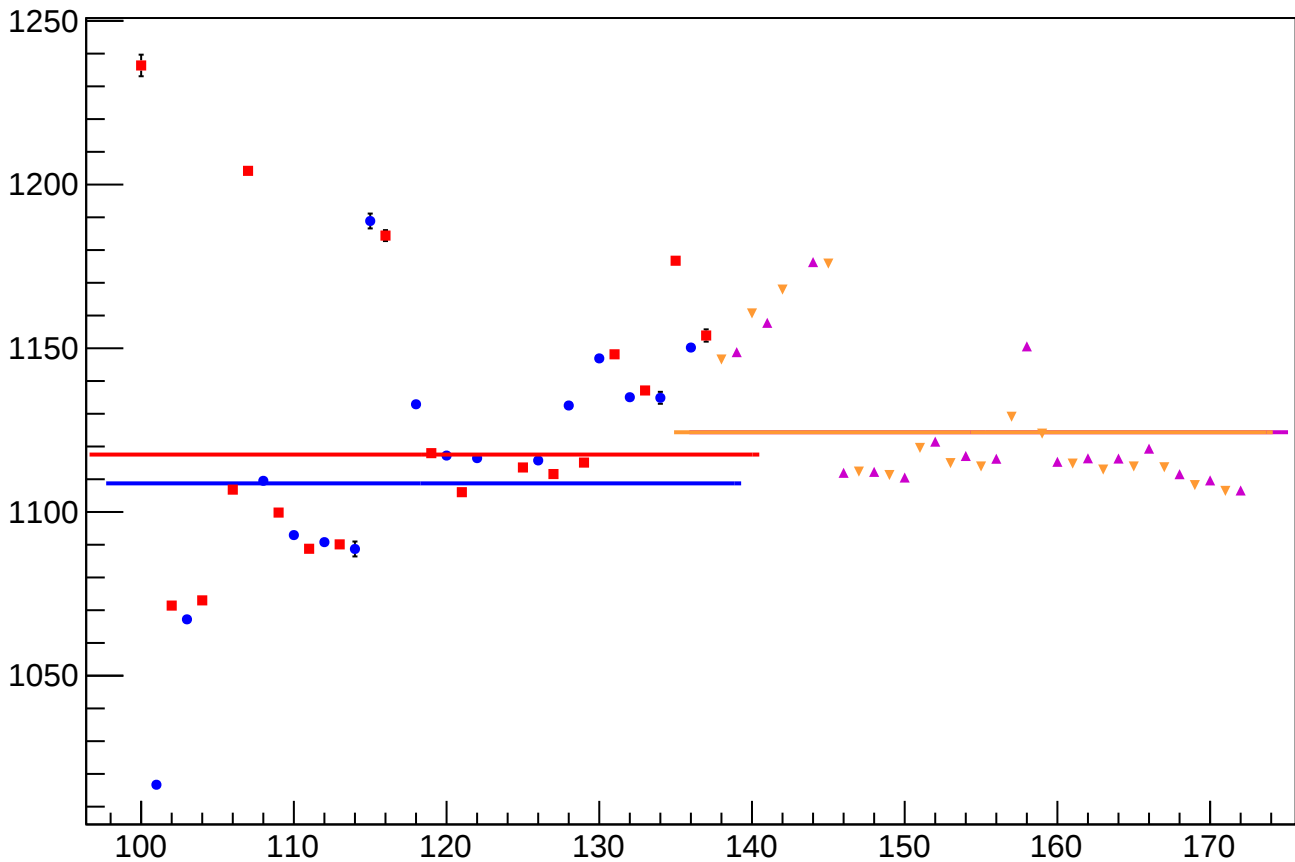
Right: 1828.538+/-301.540 χ^2/NDF : 19.4/33

In: 1689.067+/-250.917 χ^2/NDF : 24.9/32

Out: 1810.154+/-251.742 χ^2/NDF : 31.7/34

All: 1749.412+/-177.716 χ^2/NDF : 56.8/67

reg_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1124.351 $\pm$ 0.222 χ^2 /NDF: 8259.9/16

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

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

Left: 1124.356 $\pm$ 0.156 χ^2 /NDF: 16503.7/33

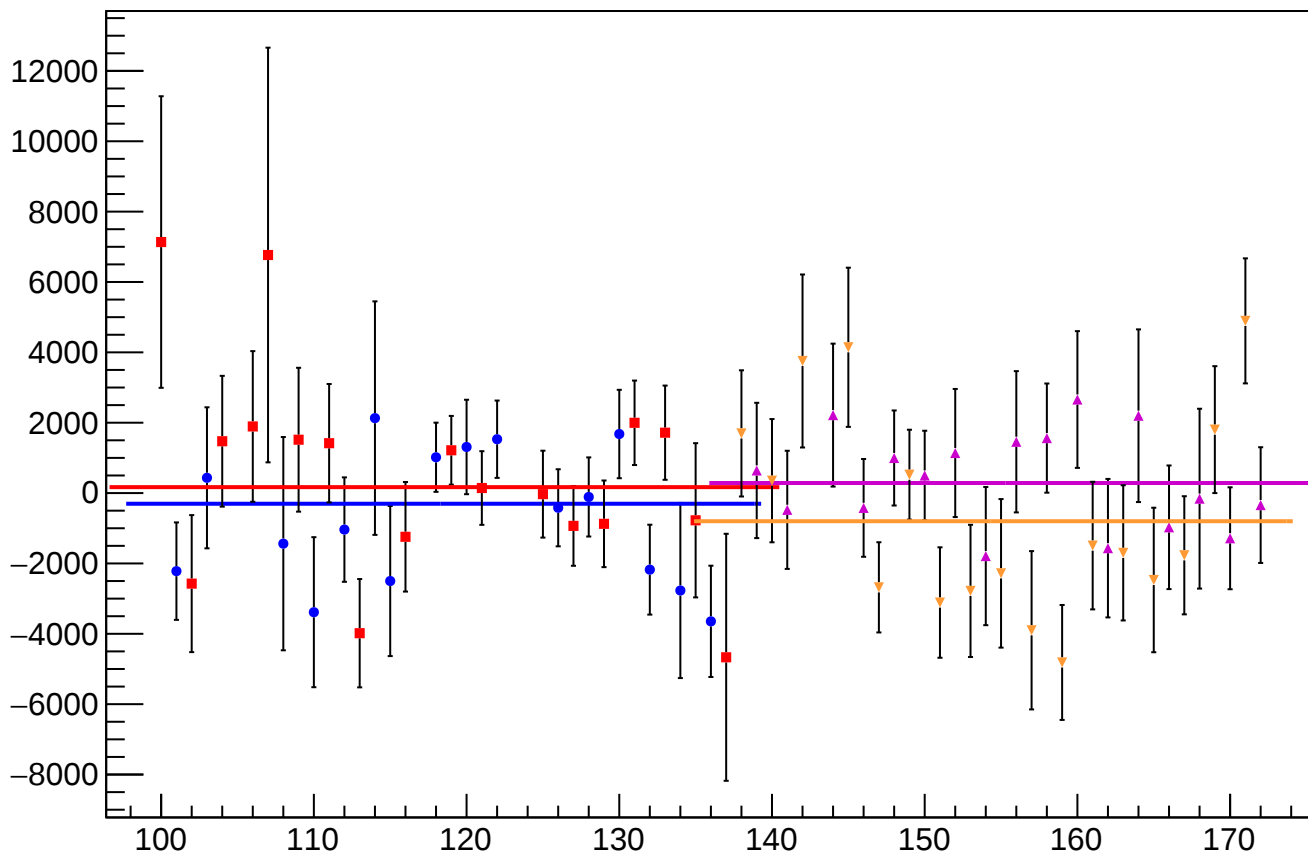
Right: 1113.224 $\pm$ 0.213 χ^2 /NDF: 34021.5/33

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

Out: 1121.931 $\pm$ 0.178 χ^2 /NDF: 24110.5/34

All: 1120.489 $\pm$ 0.126 χ^2 /NDF: 52304.2/67

asym_usl_correction_mean vs Slug, Sign Corrected



Right In: -303.335 $\pm$ 360.068 χ^2/NDF : 22.3/15

Left Out: -799.964 $\pm$ 426.585 χ^2/NDF : 39.2/16

Right Out: 168.849 $\pm$ 356.237 χ^2/NDF : 24.9/17

Left In: 286.283 $\pm$ 415.680 χ^2/NDF : 8.9/16

Left: -242.779 $\pm$ 297.711 χ^2/NDF : 51.5/33

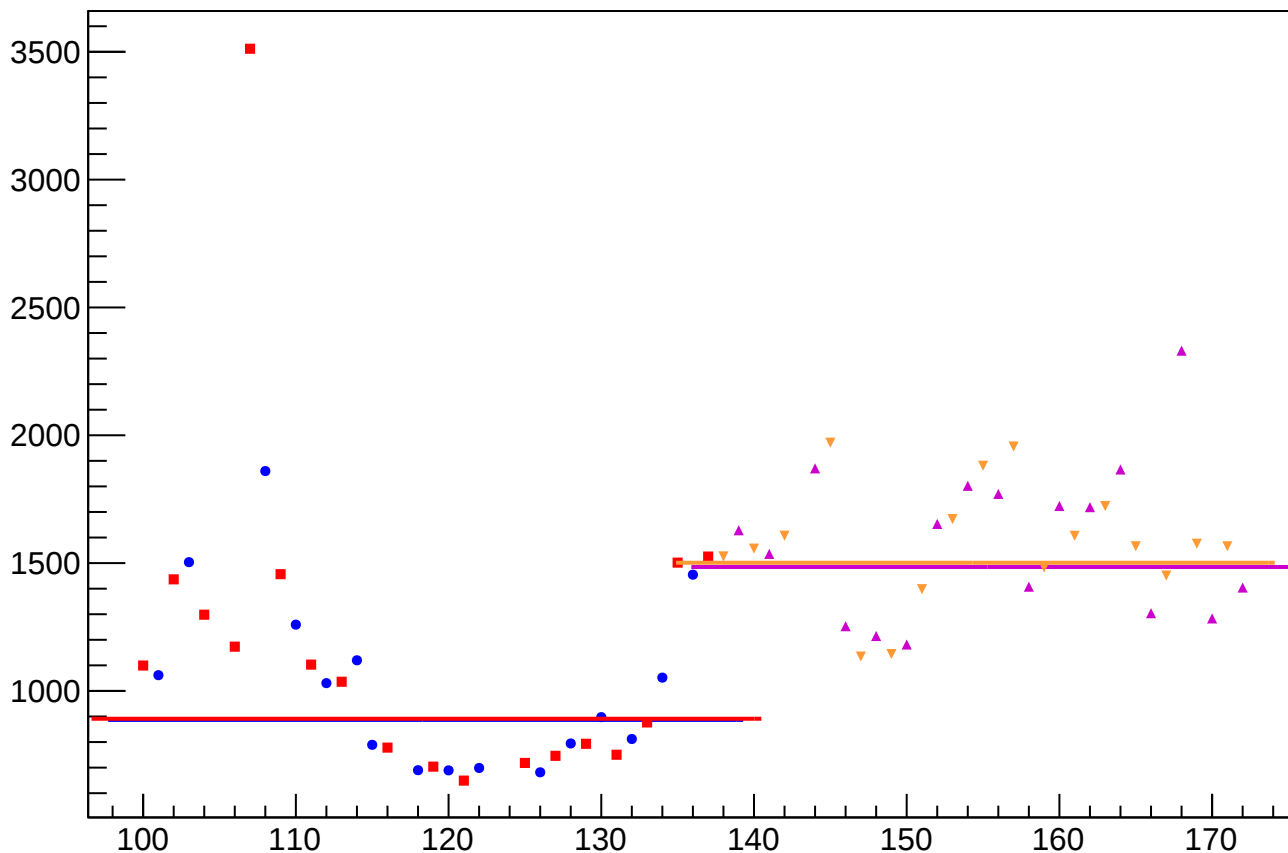
Right: -64.717 $\pm$ 253.241 χ^2/NDF : 48.0/33

In: -50.578 $\pm$ 272.161 χ^2/NDF : 32.3/32

Out: -229.192 $\pm$ 273.432 χ^2/NDF : 67.1/34

All: -139.469 $\pm$ 192.895 χ^2/NDF : 99.7/67

asym_usl_correction_rms vs Slug, Sign Corrected



Right In: 886.691 $\pm$ 0.255 χ^2 /NDF: 1060864.2/15

Left Out: 1501.435 $\pm$ 0.302 χ^2 /NDF: 627339.6/16

Right Out: 891.197 $\pm$ 0.252 χ^2 /NDF: 1414187.9/17

Left In: 1484.781 $\pm$ 0.294 χ^2 /NDF: 839449.6/16

Left: 1492.892 $\pm$ 0.211 χ^2 /NDF: 1468352.7/33

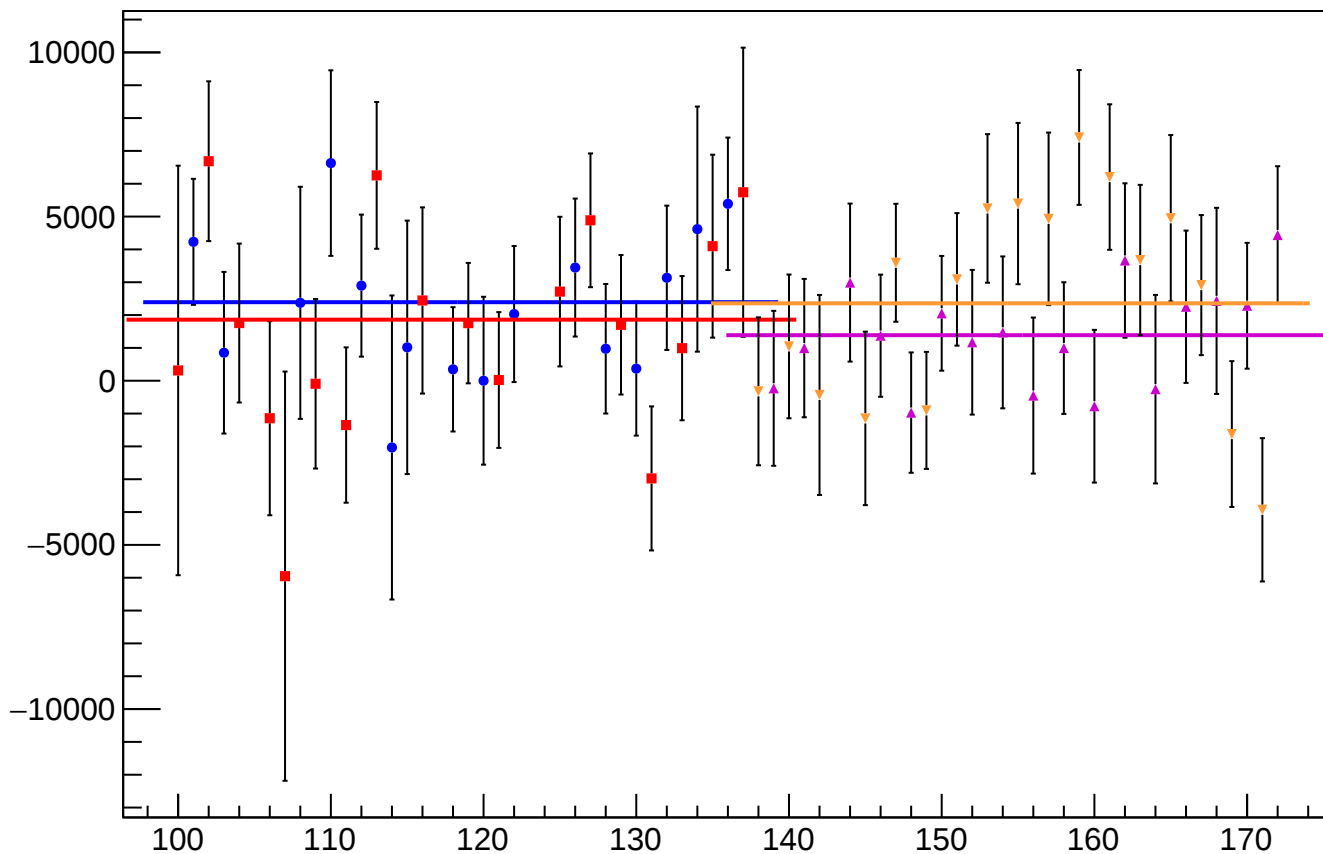
Right: 888.968 $\pm$ 0.179 χ^2 /NDF: 2475210.4/33

In: 1143.079 $\pm$ 0.192 χ^2 /NDF: 4265828.3/32

Out: 1141.916 $\pm$ 0.193 χ^2 /NDF: 4452758.6/34

All: 1142.500 $\pm$ 0.136 χ^2 /NDF: 8718605.2/67

asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 2357.823 $\pm$ 538.163 χ^2 /NDF:34.5/16

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

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

Left: 1861.723 $\pm$ 376.342 χ^2 /NDF: 44.3/33

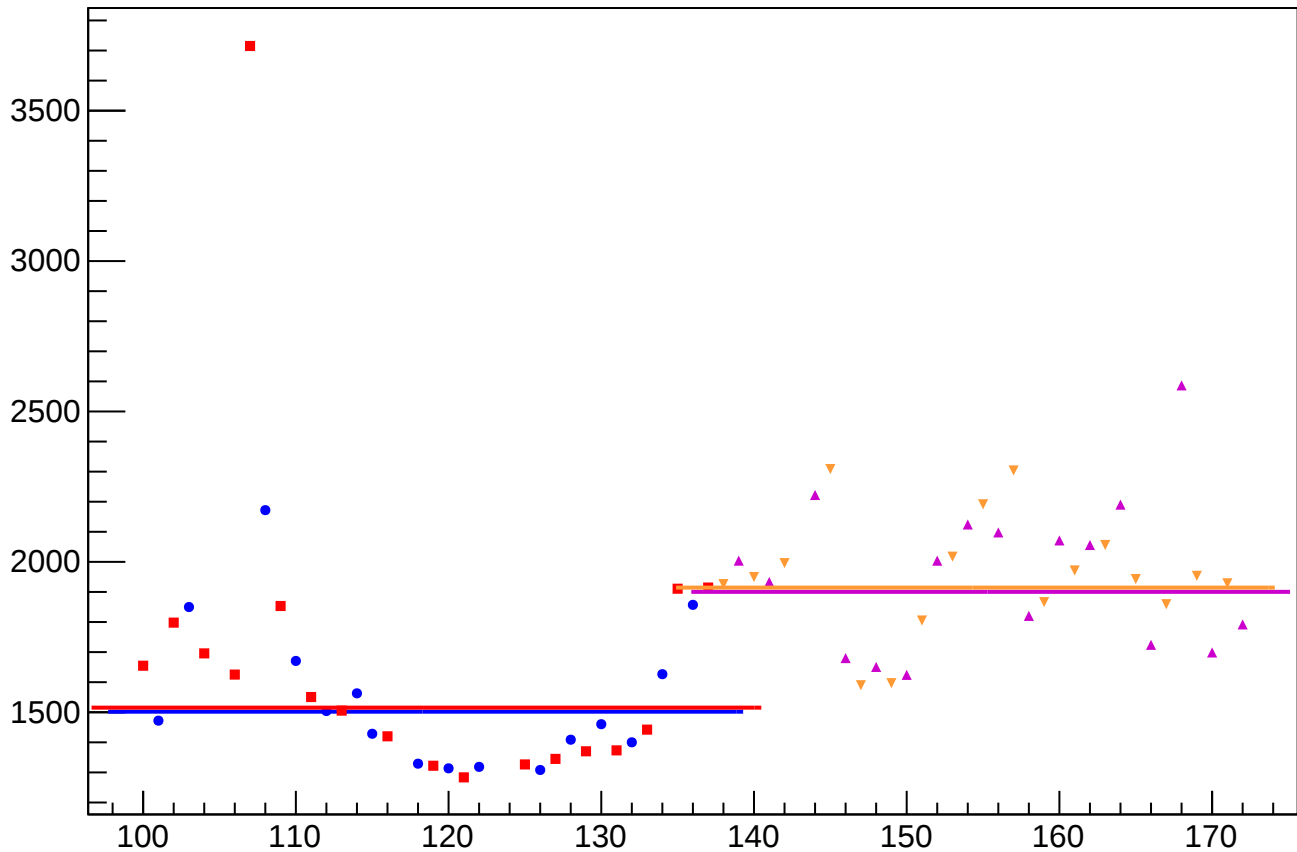
Right: 2123.458 $\pm$ 414.388 χ^2 /NDF: 34.1/33

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

Out: 2128.778 $\pm$ 395.478 χ^2 /NDF:57.4/34

All: 1980.026 $\pm$ 278.596 χ^2 /NDF: 78.6/67

asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1914.485+/-0.381 χ^2/NDF : 267210.3/16

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

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

Left: 1907.247+/-0.266 χ^2/NDF : 659518.1/33

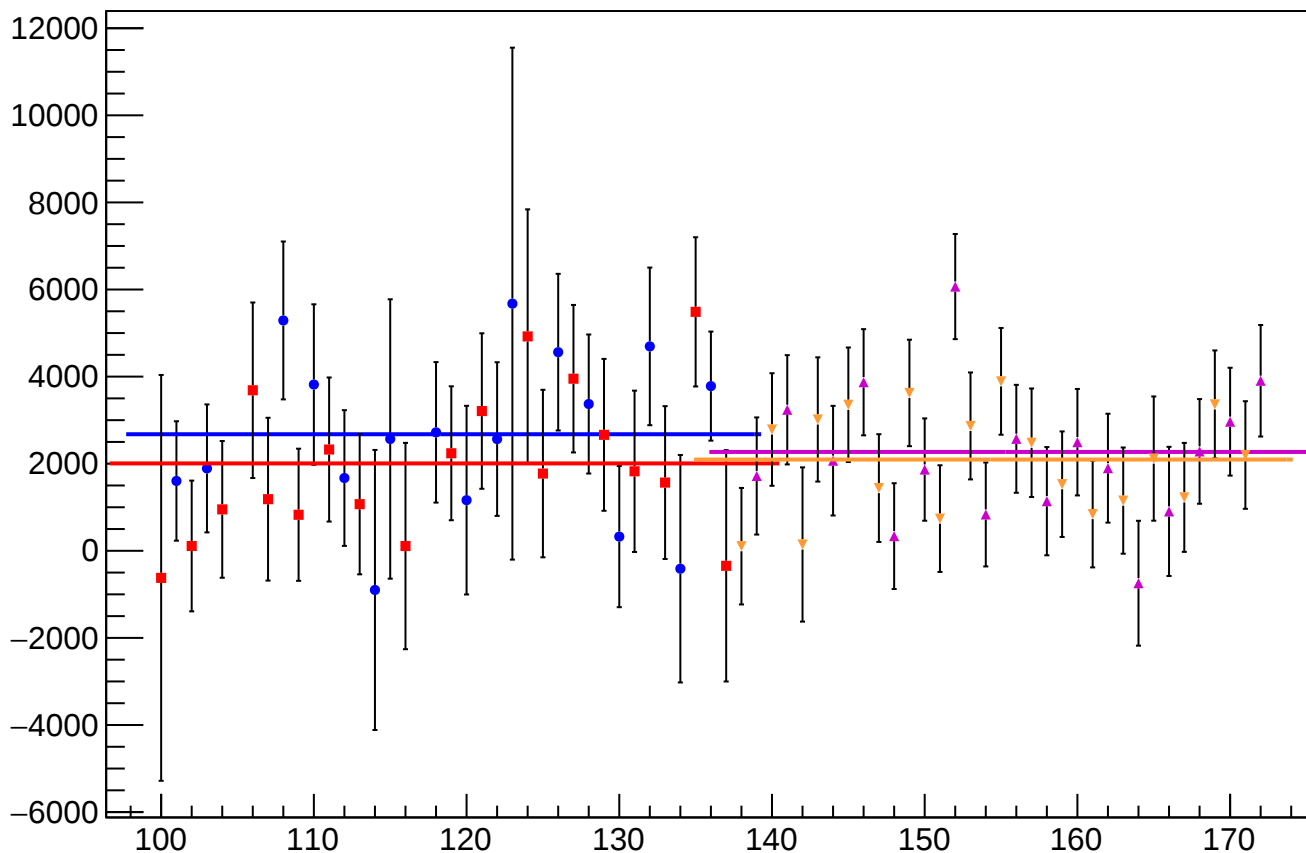
Right: 1508.739+/-0.293 χ^2/NDF : 734837.7/33

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

Out: 1730.920+/-0.280 χ^2/NDF : 1252853.2/34

All: 1727.123+/-0.197 χ^2/NDF : 2407974.6/67

reg_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2095.545 $\pm$ 301.985 χ^2 /NDF:14.1/17

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

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

Left: 2182.091 $\pm$ 214.424 χ^2 /NDF: 39.0/34

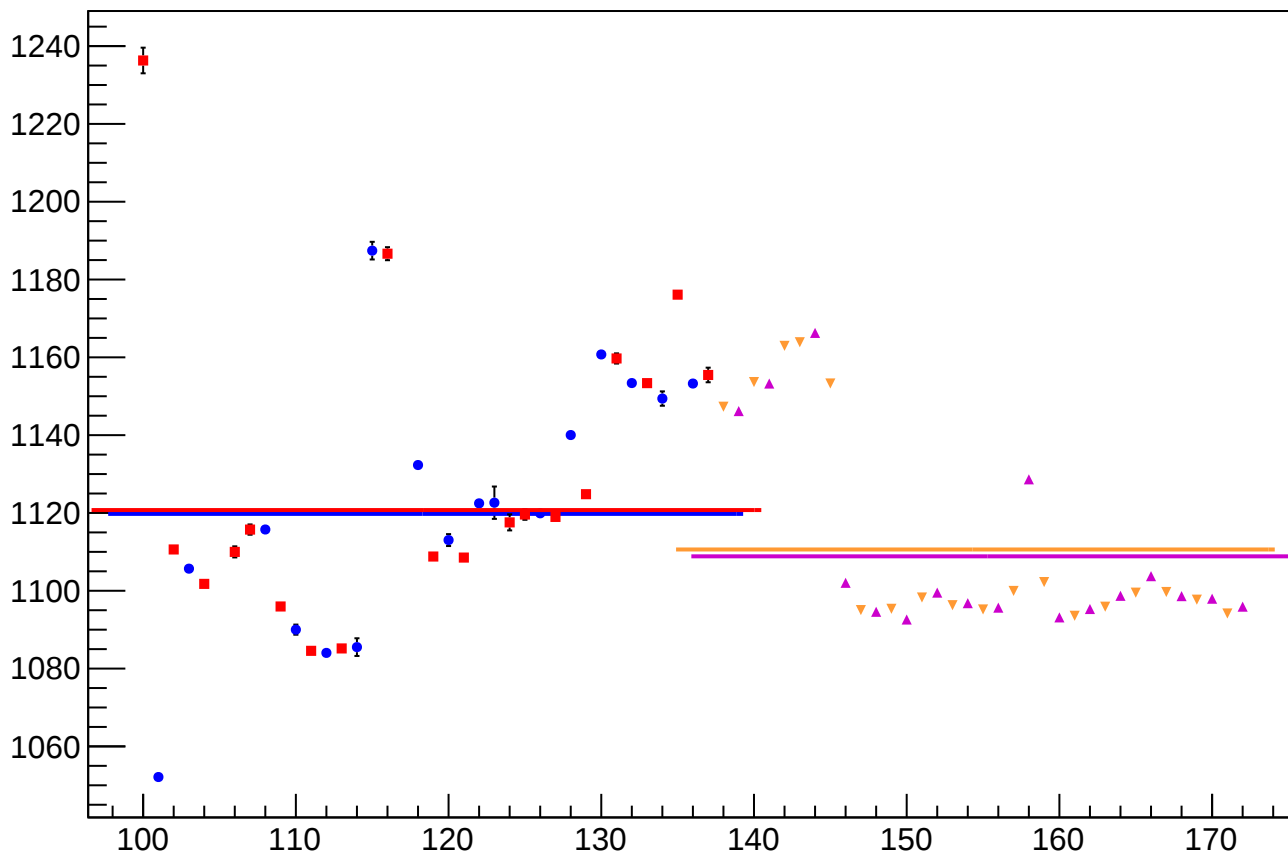
Right: 2330.304 $\pm$ 301.362 χ^2 /NDF: 26.6/35

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

Out: 2065.145 $\pm$ 245.019 χ^2 /NDF:27.0/36

All: 2231.905 $\pm$ 174.713 χ^2 /NDF: 65.8/70

reg_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1110.614 $\pm$ 0.214 χ^2/NDF :13548.4/17

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

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

Left: 1109.740 $\pm$ 0.152 χ^2/NDF : 24759.6/34

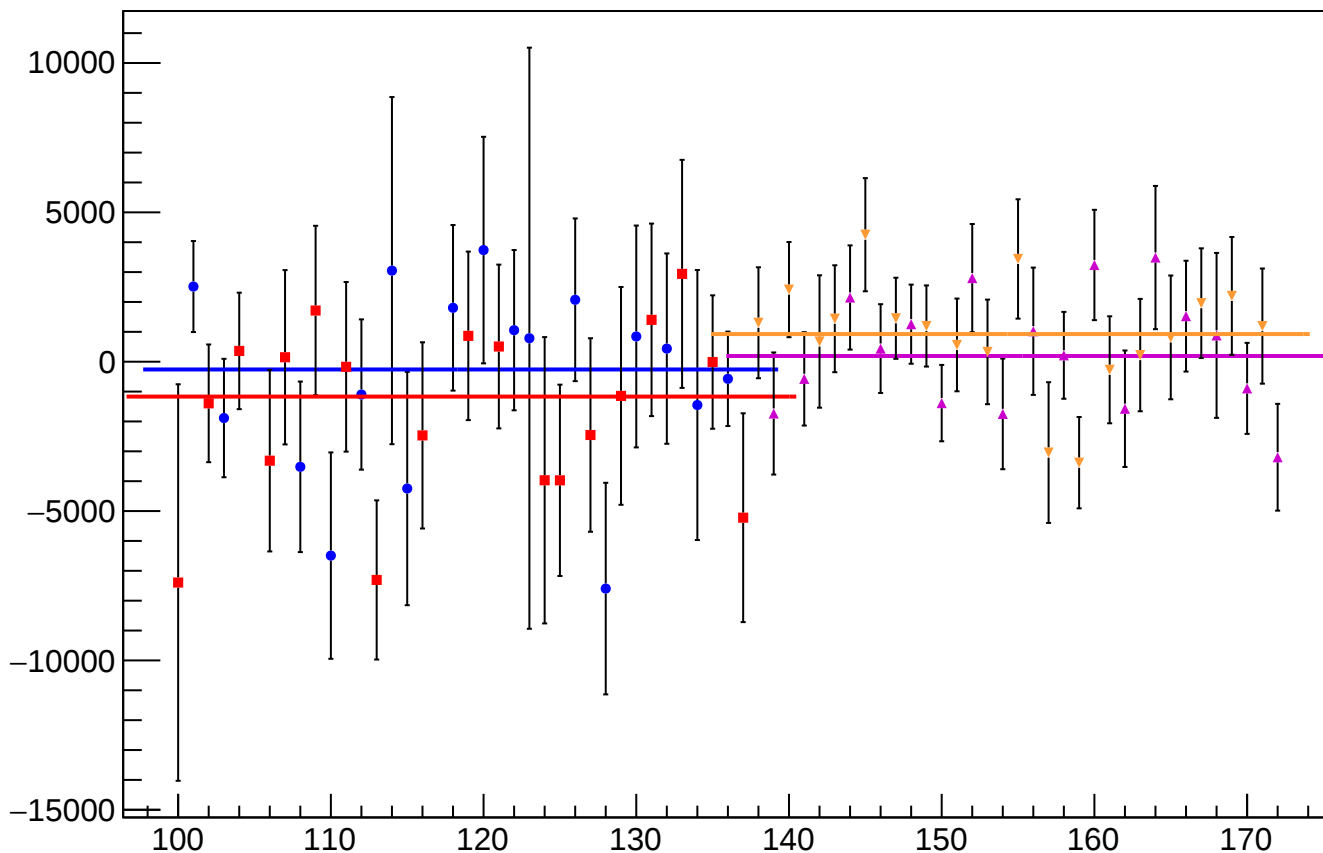
Right: 1120.271 $\pm$ 0.213 χ^2/NDF : 21816.3/35

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

Out: 1114.076 $\pm$ 0.173 χ^2/NDF :24251.8/36

All: 1113.279 $\pm$ 0.124 χ^2/NDF : 48197.2/70

asym_usr_correction_mean vs Slug, Sign Corrected



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

Left Out: 925.802+/-414.777 χ^2/NDF : 18.2/17

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

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

Left: 559.144+/-293.480 χ^2/NDF : 37.7/34

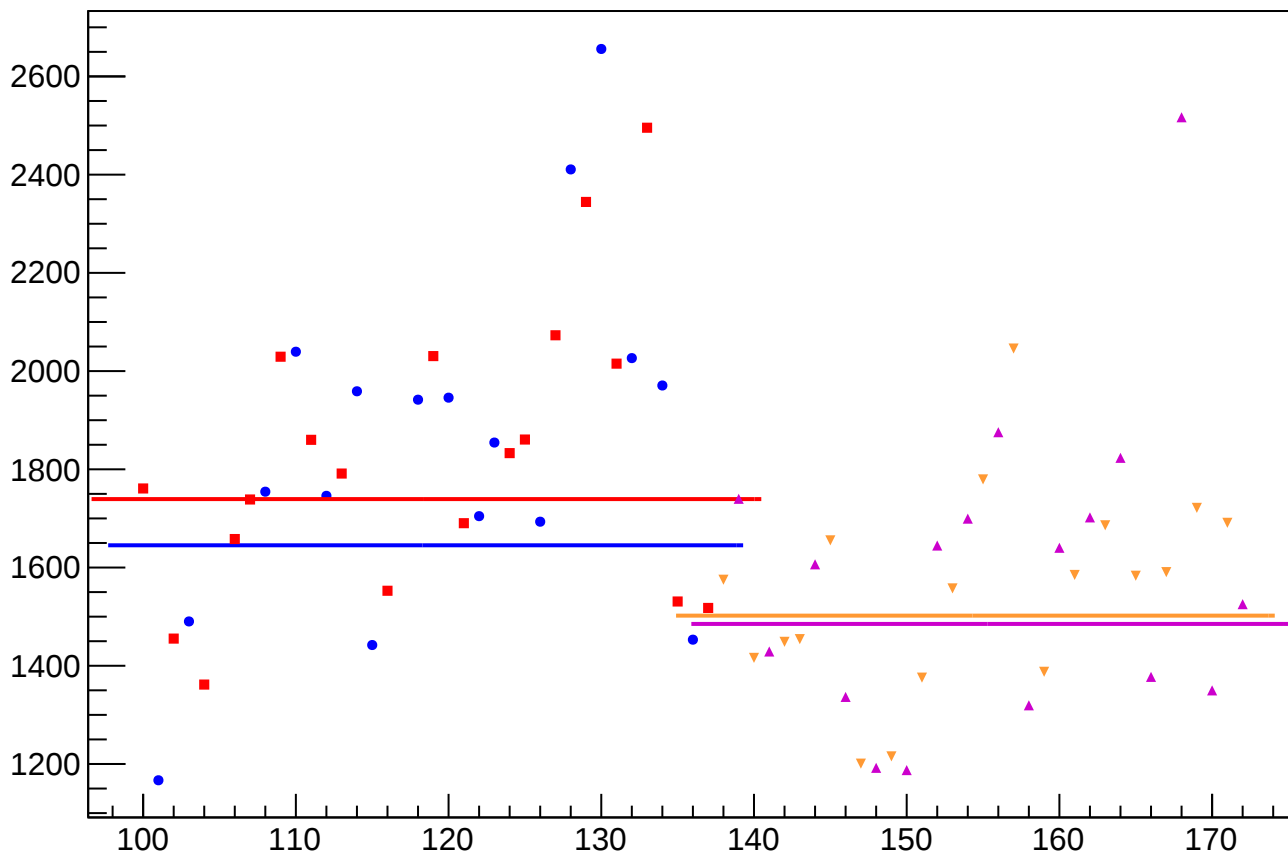
Right: -708.782+/-465.858 χ^2/NDF : 32.6/35

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

Out: 336.218+/-351.549 χ^2/NDF : 39.7/36

All: 198.907+/-248.314 χ^2/NDF : 75.6/70

asym_usr_correction_rms vs Slug, Sign Corrected



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

Left Out: 1502.086+/-0.293 χ^2/NDF : 458936.3/17

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

Left In: 1485.184+/-0.294 χ^2/NDF : 786421.5/16

Left: 1493.646+/-0.208 χ^2/NDF : 1247016.3/34

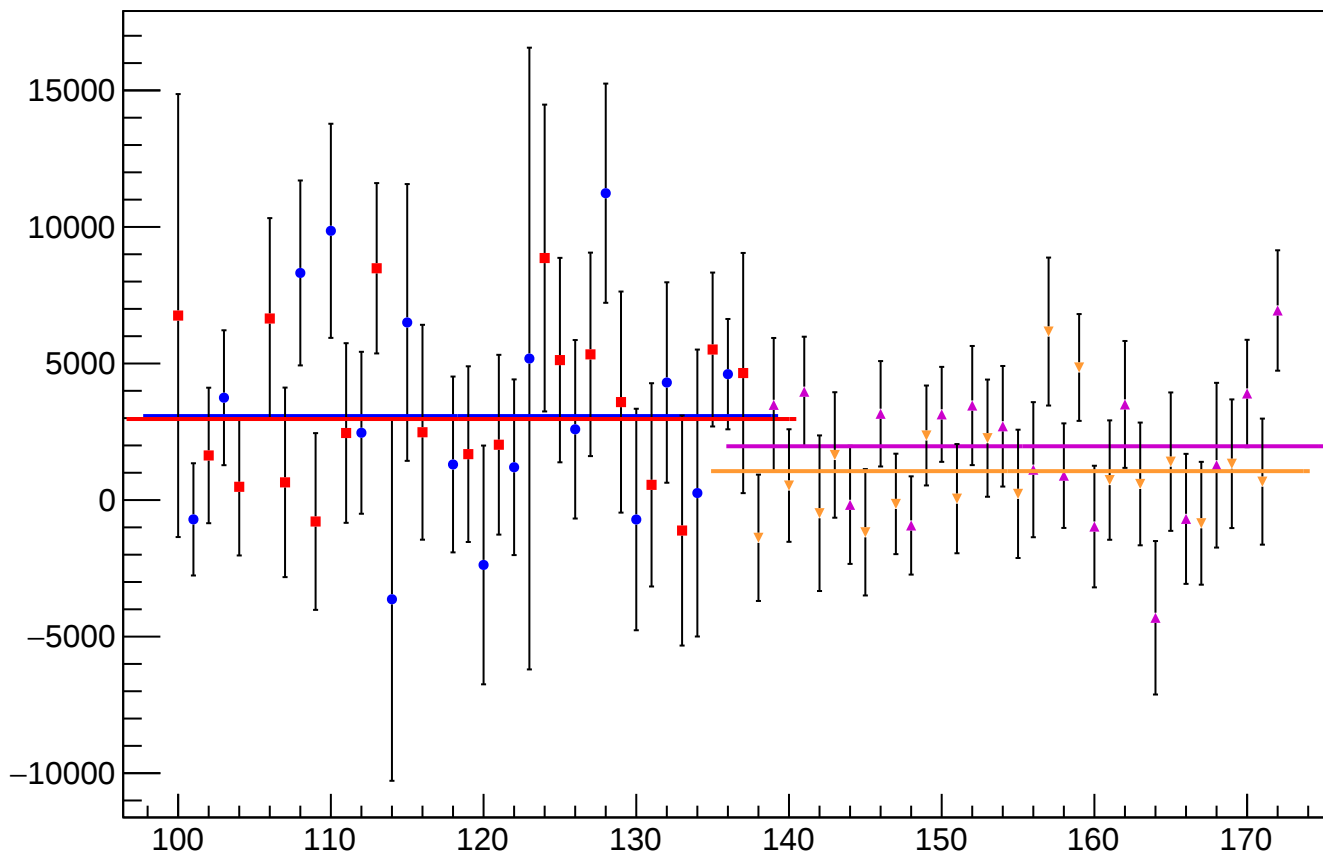
Right: 1691.833+/-0.329 χ^2/NDF : 992315.5/35

In: 1531.072+/-0.248 χ^2/NDF : 1472535.3/33

Out: 1568.918+/-0.249 χ^2/NDF : 1014312.2/36

All: 1549.954+/-0.176 χ^2/NDF : 2498462.2/70

asym_usr_mean vs Slug, Sign Corrected



Right In: 3075.401 $\pm$ 802.249 χ^2/NDF : 18.6/16

Left Out: 1058.912 $\pm$ 520.468 χ^2/NDF : 12.3/17

Right Out: 2967.536 $\pm$ 795.639 χ^2/NDF : 11.9/18

Left In: 1969.929 $\pm$ 523.293 χ^2/NDF : 21.3/16

Left: 1511.955 $\pm$ 369.021 χ^2/NDF : 35.1/34

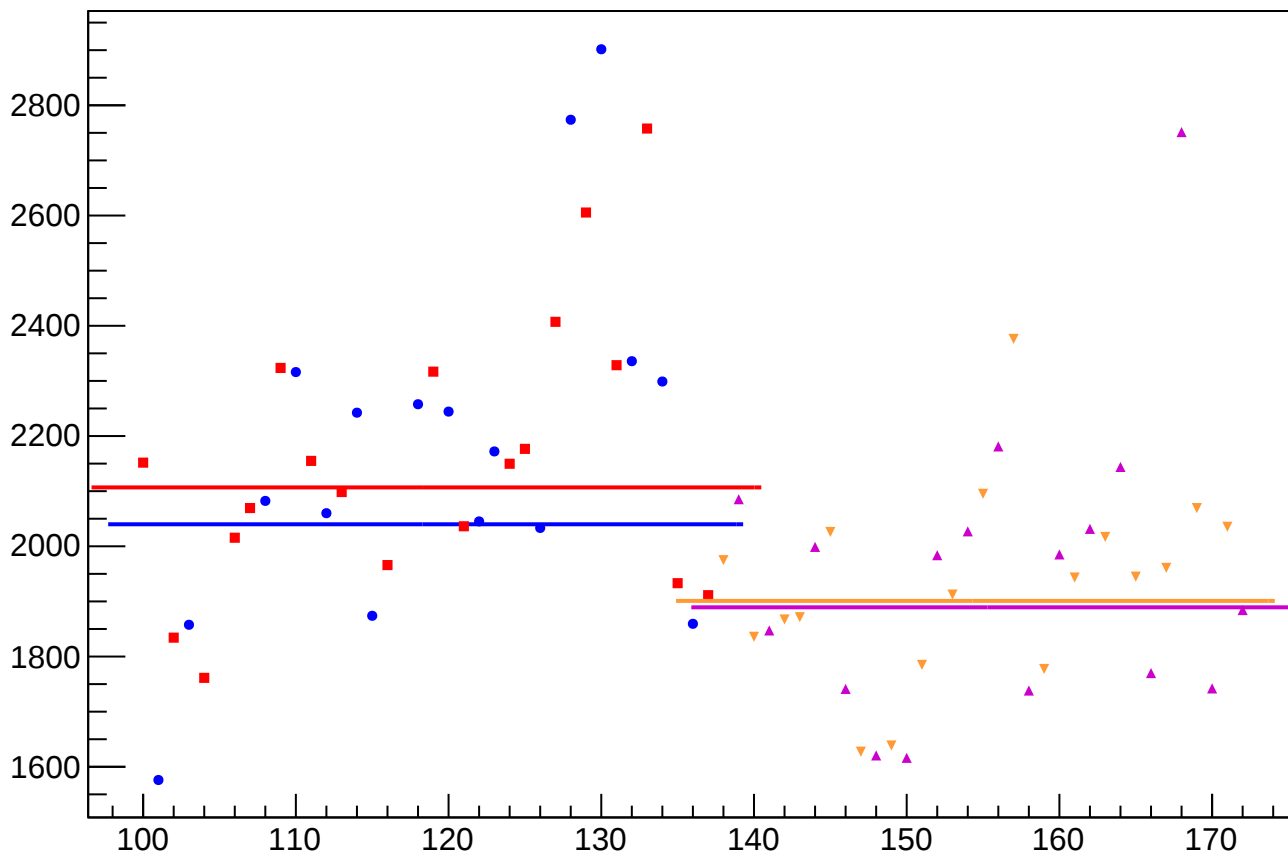
Right: 3021.022 $\pm$ 564.924 χ^2/NDF : 30.5/35

In: 2299.888 $\pm$ 438.294 χ^2/NDF : 41.3/33

Out: 1630.884 $\pm$ 435.555 χ^2/NDF : 28.2/36

All: 1963.289 $\pm$ 308.948 χ^2/NDF : 70.6/70

asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1900.982 $\pm$ 0.368 χ^2 /NDF:210994.2/17

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

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

Left: 1895.167 $\pm$ 0.261 χ^2 /NDF: 595169.8/34

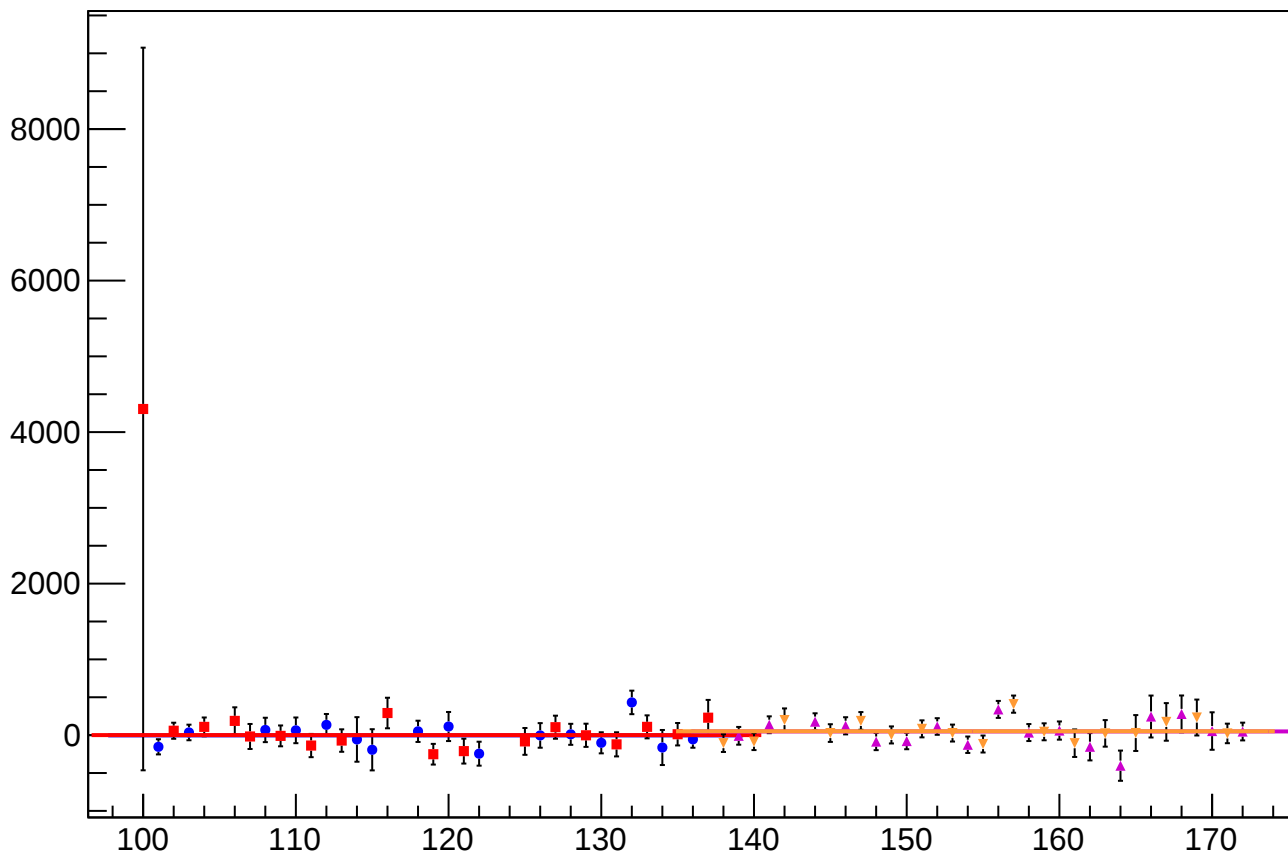
Right: 2073.664 $\pm$ 0.399 χ^2 /NDF: 534442.4/35

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

Out: 1962.670 $\pm$ 0.308 χ^2 /NDF:500199.6/36

All: 1948.552 $\pm$ 0.218 χ^2 /NDF: 1269564.4/70

reg_asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 51.221 ± 31.727 χ^2/NDF : 19.8/16

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

Left In: 48.930 ± 30.866 χ^2/NDF : 23.0/16

Left: 50.044 ± 22.124 χ^2/NDF : 42.8/33

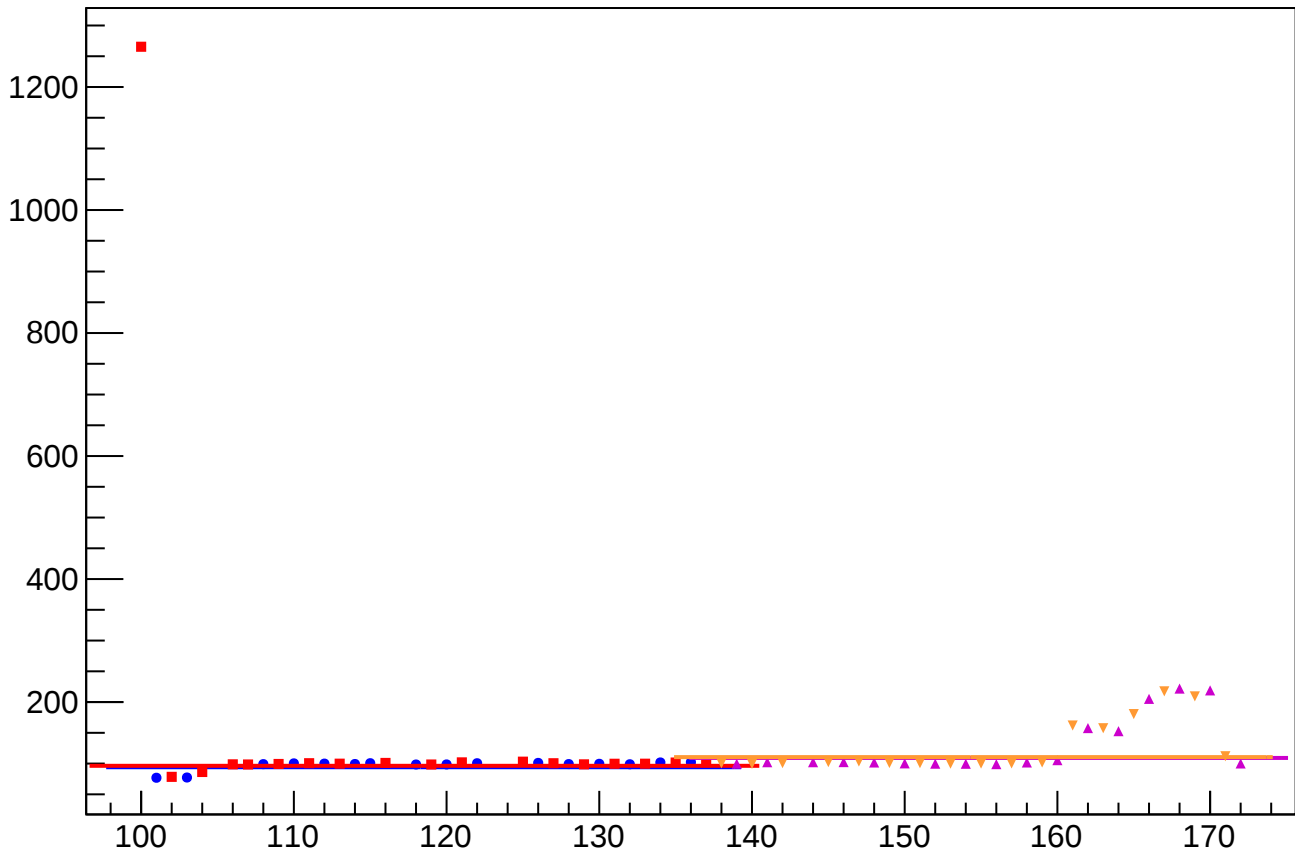
Right: -1.397 ± 25.955 χ^2/NDF : 30.1/33

In: 27.308 ± 23.626 χ^2/NDF : 40.3/32

Out: 29.521 ± 24.001 χ^2/NDF : 34.9/34

All: 28.397 ± 16.837 χ^2/NDF : 75.2/67

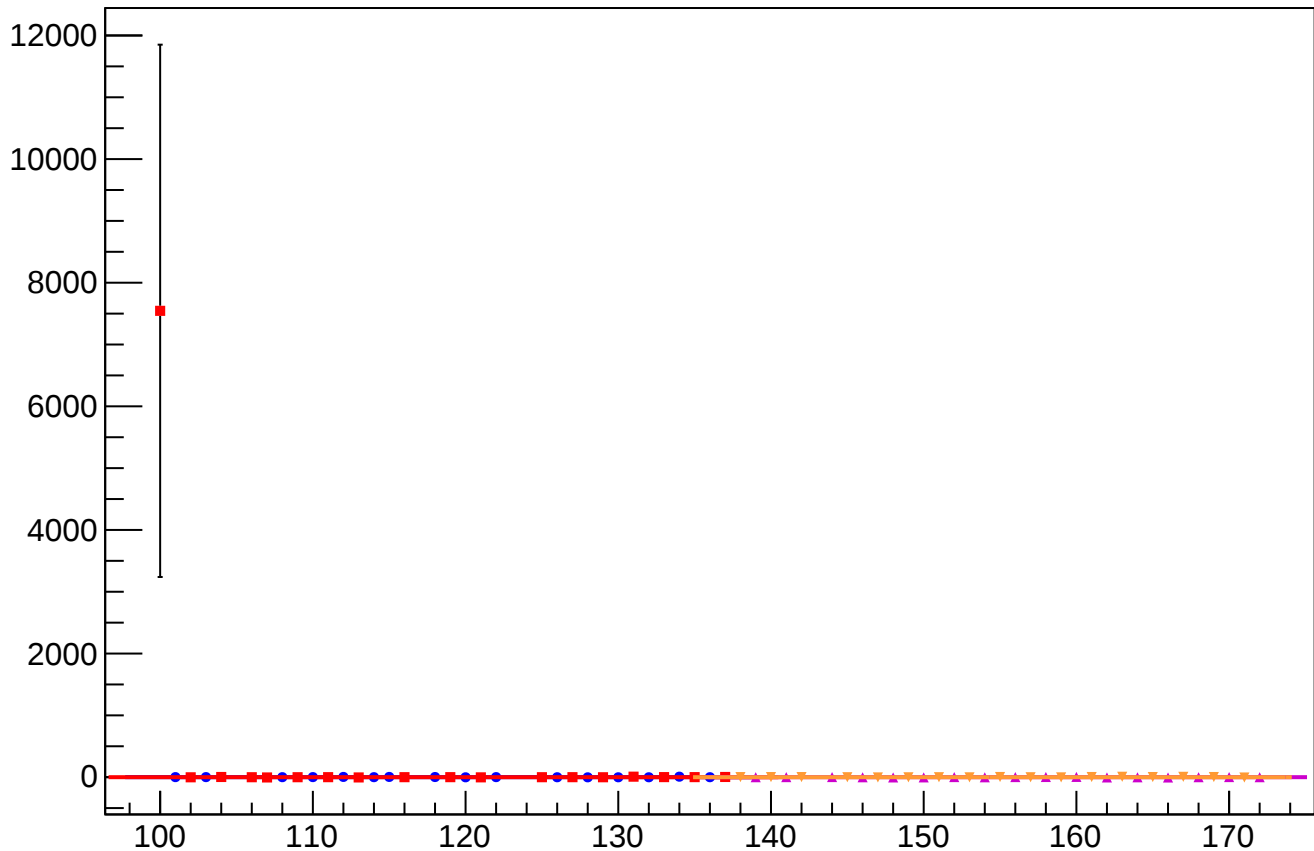
reg_asym_dsl_rms vs Slug, Sign Corrected



Right In: 94.068 $\pm$ 0.026 χ^2 /NDF: 152285.6/15
 Left Out: 110.502 $\pm$ 0.022 χ^2 /NDF: 1351376.8/16
 Right Out: 96.372 $\pm$ 0.026 χ^2 /NDF: 209228.5/17
 Left In: 109.165 $\pm$ 0.022 χ^2 /NDF: 1429925.2/16

Left: 109.815 $\pm$ 0.016 χ^2 /NDF: 2783125.5/33
 Right: 95.221 $\pm$ 0.018 χ^2 /NDF: 365453.7/33
 In: 102.914 $\pm$ 0.017 χ^2 /NDF: 1780352.2/32
 Out: 104.458 $\pm$ 0.017 χ^2 /NDF: 1730275.0/34
 All: 103.674 $\pm$ 0.012 χ^2 /NDF: 3514834.6/67

asym_dsl_correction_mean vs Slug, Sign Corrected



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

Left Out: -0.581+/-0.557 χ^2/NDF :24.9/16

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

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

Left: -0.342+/-0.397 χ^2/NDF : 46.3/33

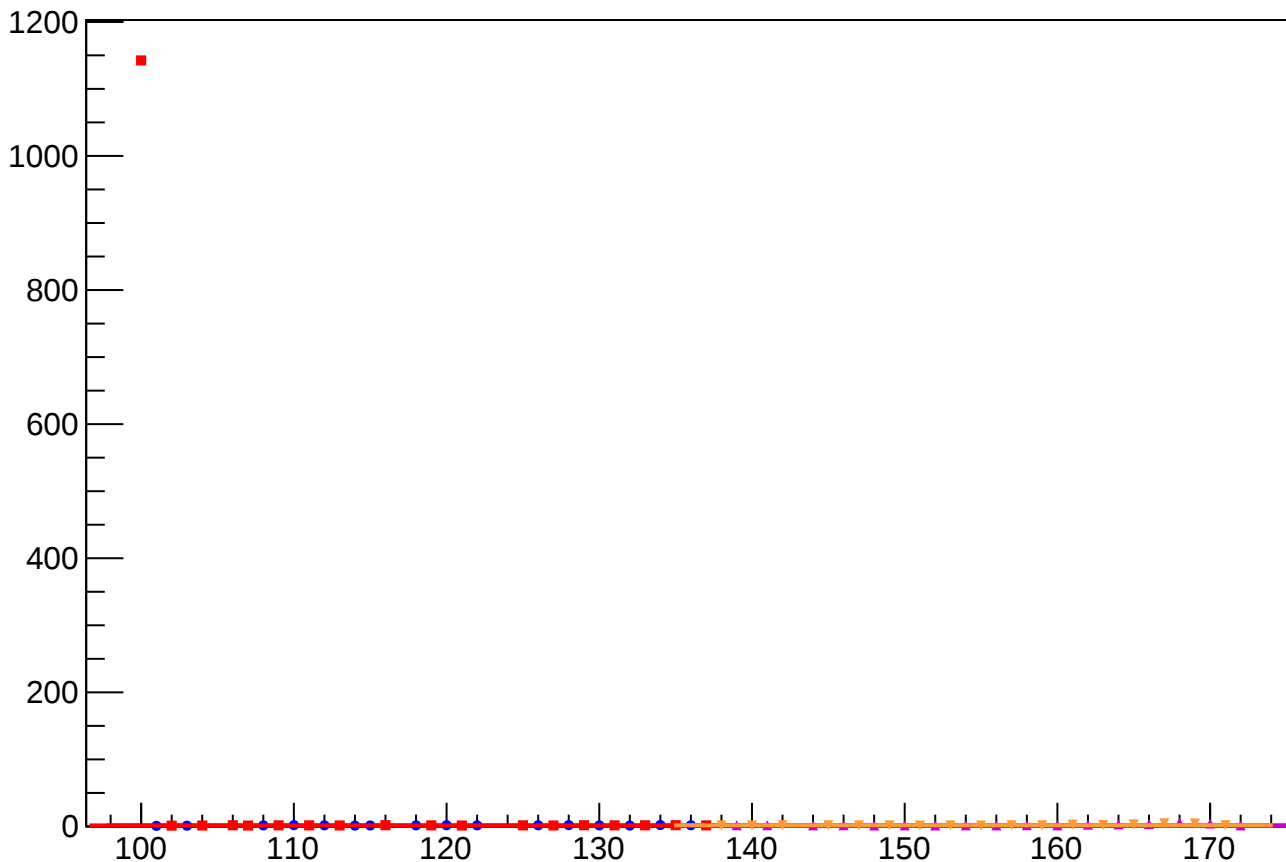
Right: 0.073+/-0.445 χ^2/NDF : 33.2/33

In: 0.143+/-0.416 χ^2/NDF :31.2/32

Out: -0.466+/-0.421 χ^2/NDF :47.8/34

All: -0.158+/-0.296 χ^2/NDF : 80.0/67

asym_dsl_correction_rms vs Slug, Sign Corrected



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

Left Out: 1.739+/-0.000 χ^2/NDF : 1468394.1/16

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

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

Left: 1.778+/-0.000 χ^2/NDF : 3272890.9/33

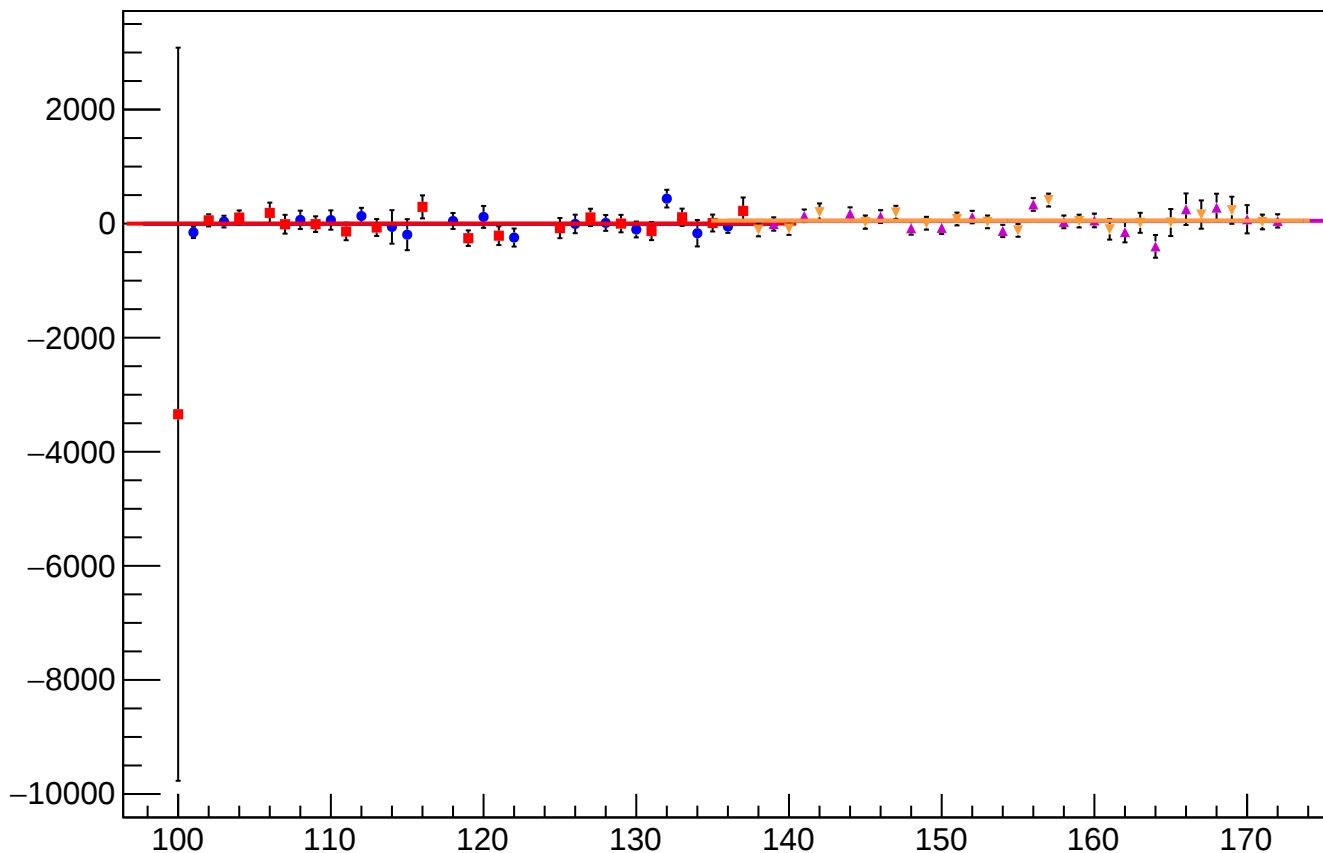
Right: 1.485+/-0.000 χ^2/NDF : 1093611.9/33

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

Out: 1.660+/-0.000 χ^2/NDF : 1877505.9/34

All: 1.648+/-0.000 χ^2/NDF : 4849594.3/67

asym_dsl_mean vs Slug, Sign Corrected



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

Left Out: 52.138 ± 31.737 $\chi^2/\text{NDF}: 20.2/16$

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

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

Left: 50.652 ± 22.130 $\chi^2/\text{NDF}: 42.7/33$

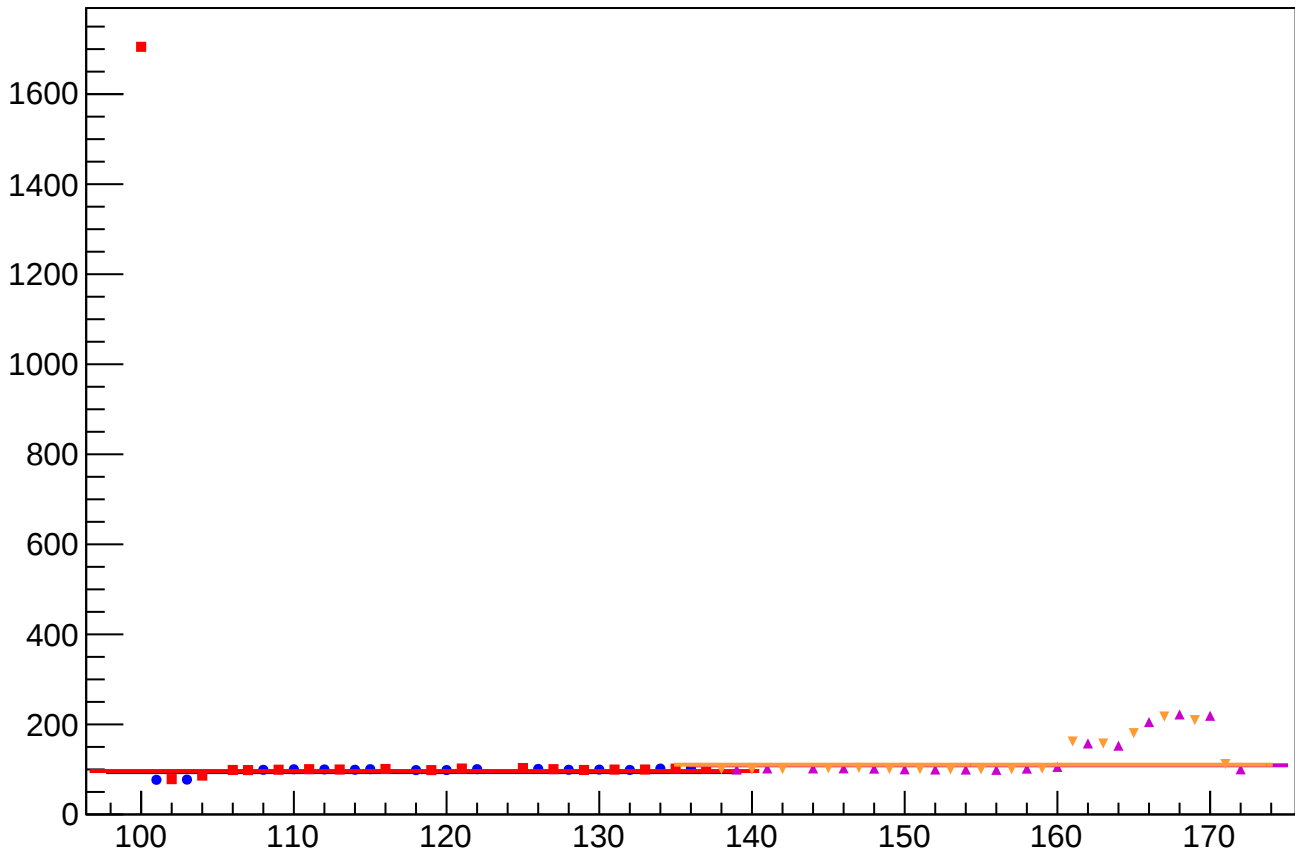
Right: -1.463 ± 25.962 $\chi^2/\text{NDF}: 29.8/33$

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

Out: 29.910 ± 24.008 $\chi^2/\text{NDF}: 34.8/34$

All: 28.721 ± 16.842 $\chi^2/\text{NDF}: 74.9/67$

asym_dsl_rms vs Slug, Sign Corrected



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

Left Out: 110.532+/-0.022 χ^2/NDF : 1352712.9/16

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

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

Left: 109.845+/-0.016 χ^2/NDF : 2785731.2/33

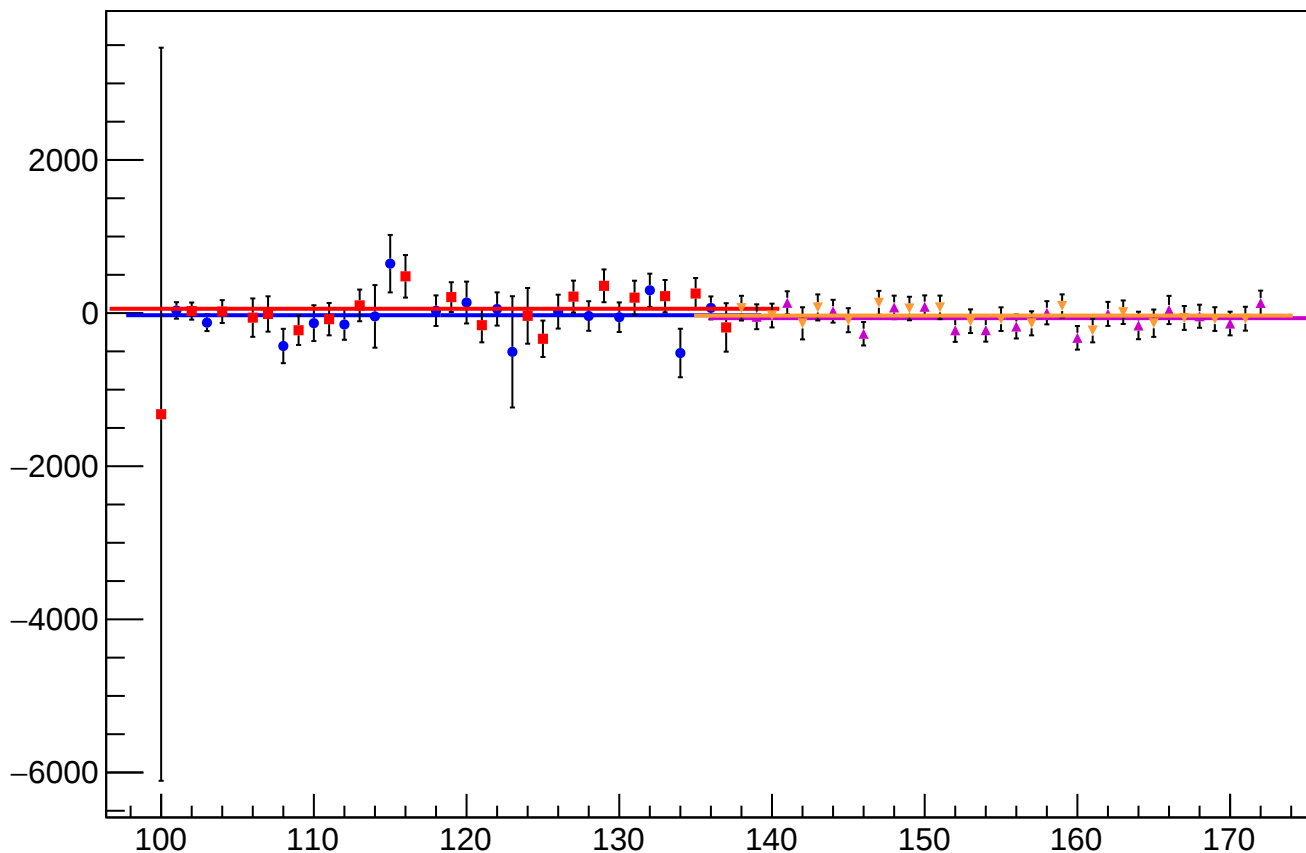
Right: 95.237+/-0.018 χ^2/NDF : 370551.8/33

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

Out: 104.479+/-0.017 χ^2/NDF : 1737160.0/34

All: 103.698+/-0.012 χ^2/NDF : 3523005.1/67

reg_asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -32.310 ± 37.491 χ^2/NDF : 6.8/17

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

Left In: -66.203 ± 37.883 χ^2/NDF : 13.9/16

Left: -49.080 ± 26.648 χ^2/NDF : 21.1/34

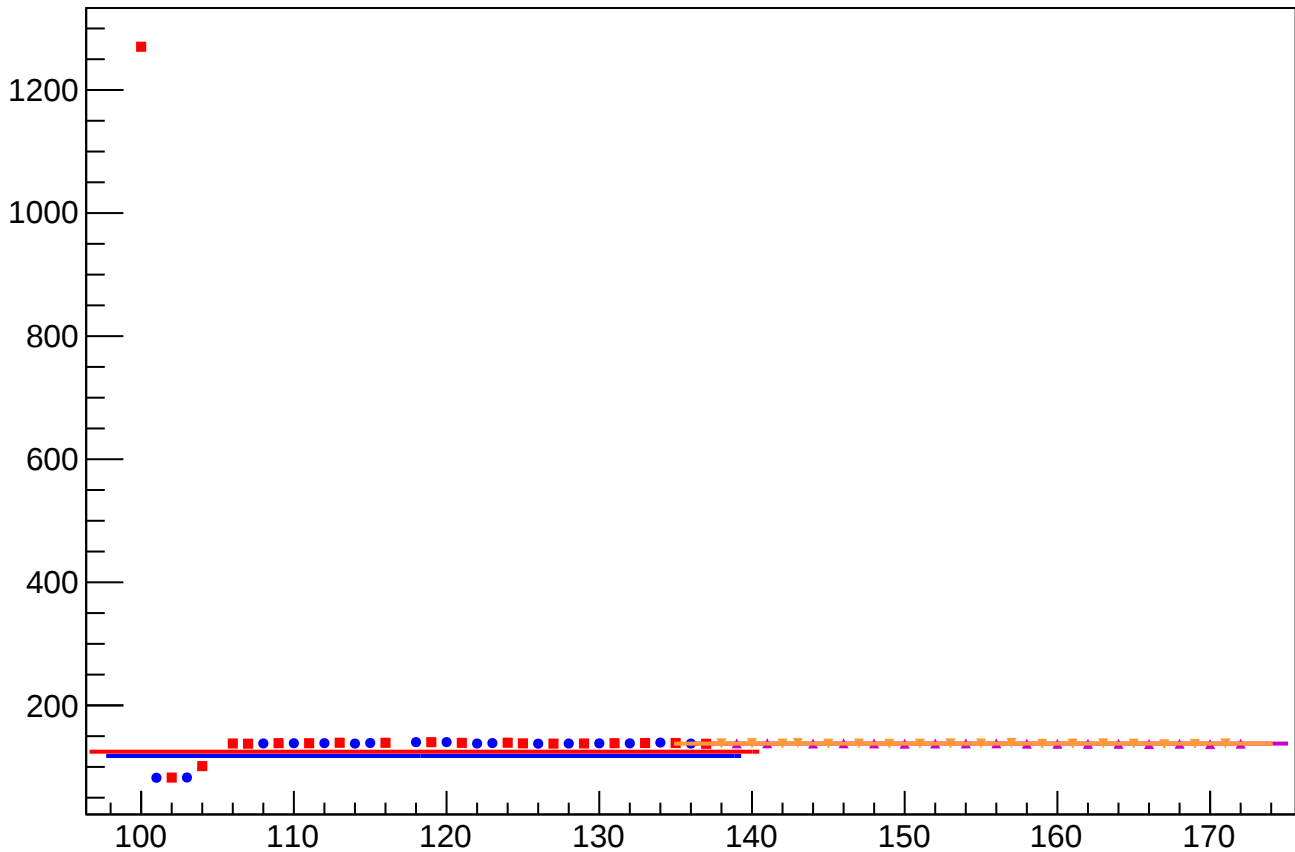
Right: 13.449 ± 33.401 χ^2/NDF : 30.8/35

In: -51.007 ± 29.440 χ^2/NDF : 28.6/33

Out: 1.556 ± 29.478 χ^2/NDF : 23.8/36

All: -24.760 ± 20.830 χ^2/NDF : 54.0/70

reg_asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 137.913 $\pm$ 0.027 χ^2 /NDF:326.0/17

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

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

Left: 137.941 $\pm$ 0.019 χ^2 /NDF: 550.2/34

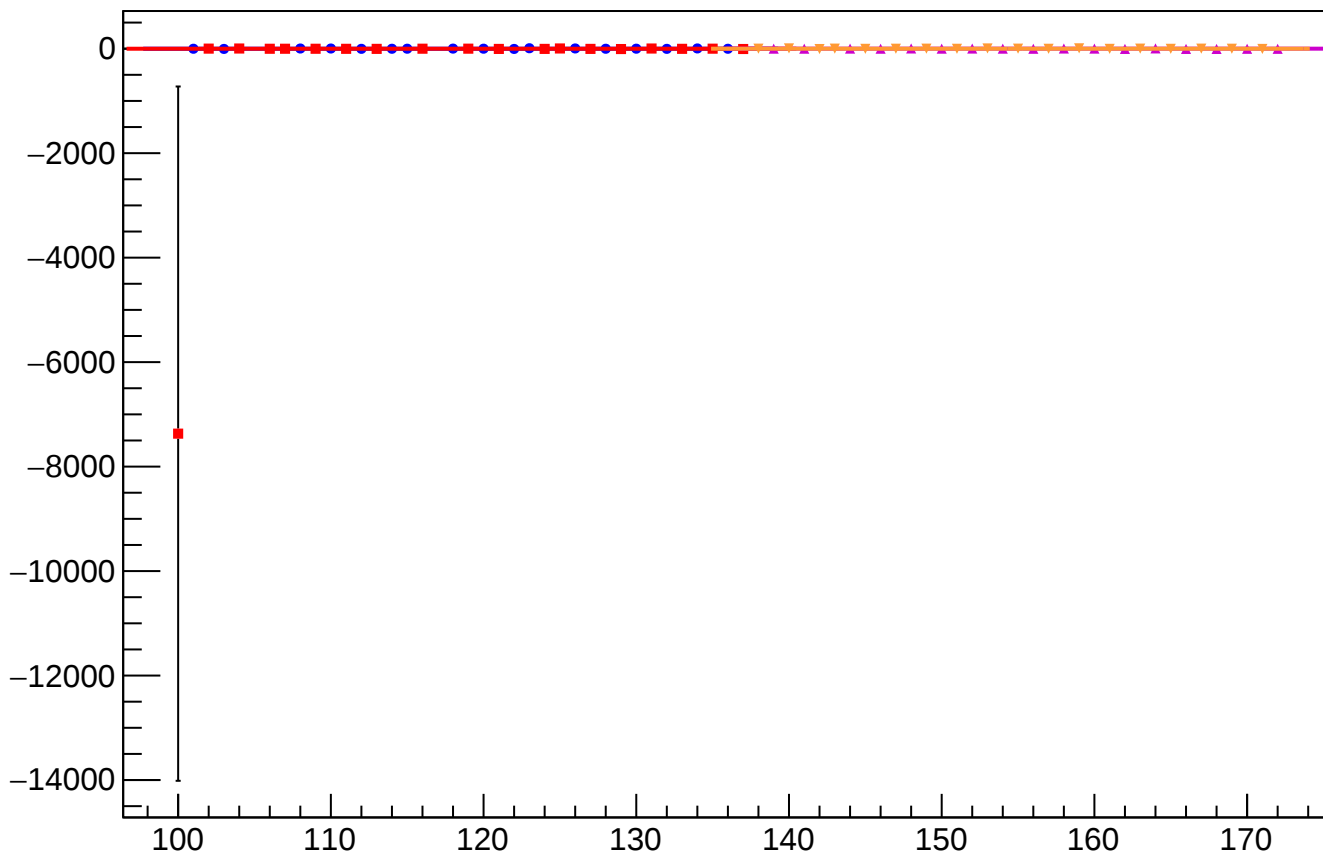
Right: 121.221 $\pm$ 0.024 χ^2 /NDF: 1257984.7/35

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

Out: 132.893 $\pm$ 0.021 χ^2 /NDF:664024.3/36

All: 131.438 $\pm$ 0.015 χ^2 /NDF: 1564785.6/70

asym_dsr_correction_mean vs Slug, Sign Corrected



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

Left Out: 0.198+/-0.654 χ^2 /NDF:22.9/17

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

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

Left: 0.350+/-0.465 χ^2 /NDF: 39.6/34

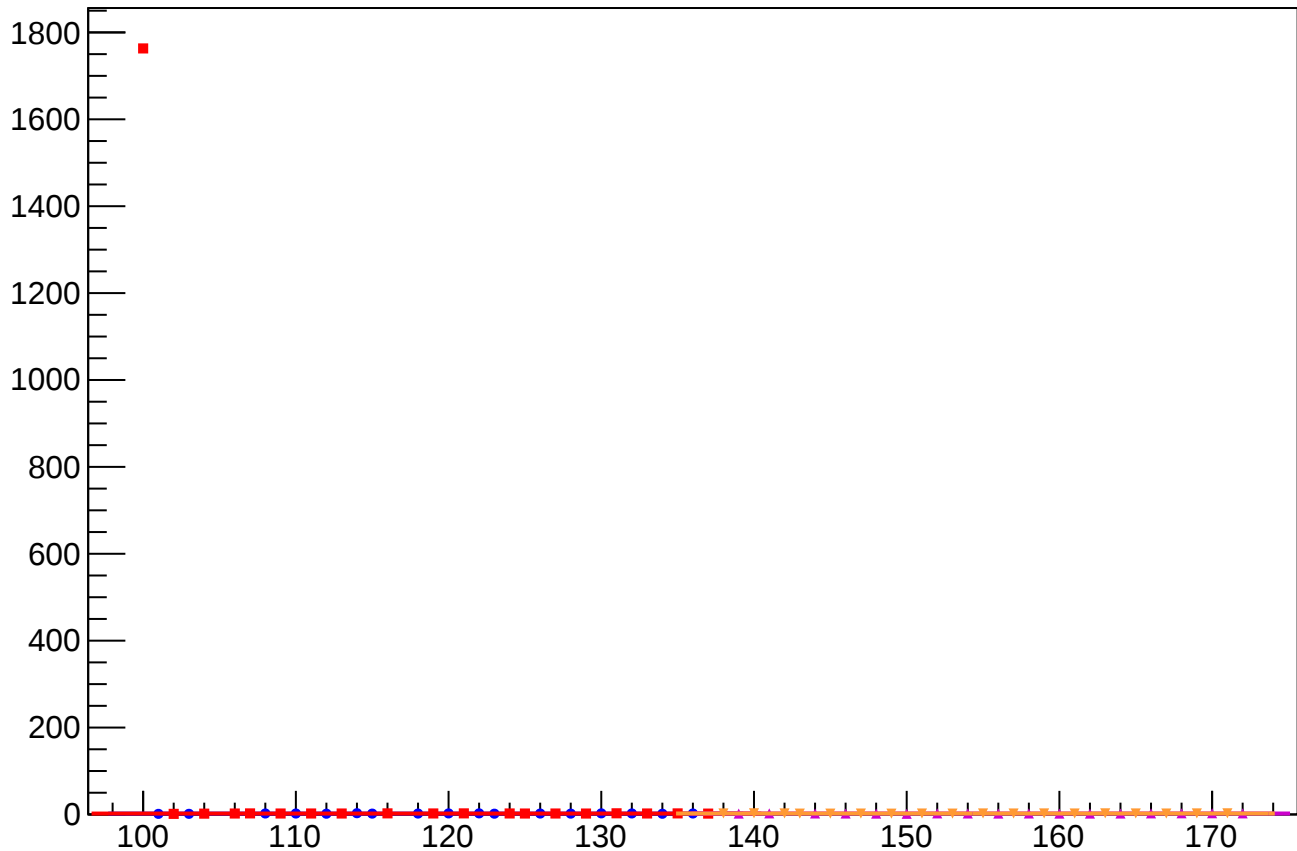
Right: -0.673+/-0.587 χ^2 /NDF: 26.3/35

In: 0.025+/-0.513 χ^2 /NDF:30.6/33

Out: -0.117+/-0.519 χ^2 /NDF:37.2/36

All: -0.045+/-0.365 χ^2 /NDF: 67.8/70

asym_dsr_correction_rms vs Slug, Sign Corrected



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

Left Out: 2.210 $\pm$ 0.000 χ^2 /NDF: 258575.4/17

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

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

Left: 2.192 $\pm$ 0.000 χ^2 /NDF: 727961.4/34

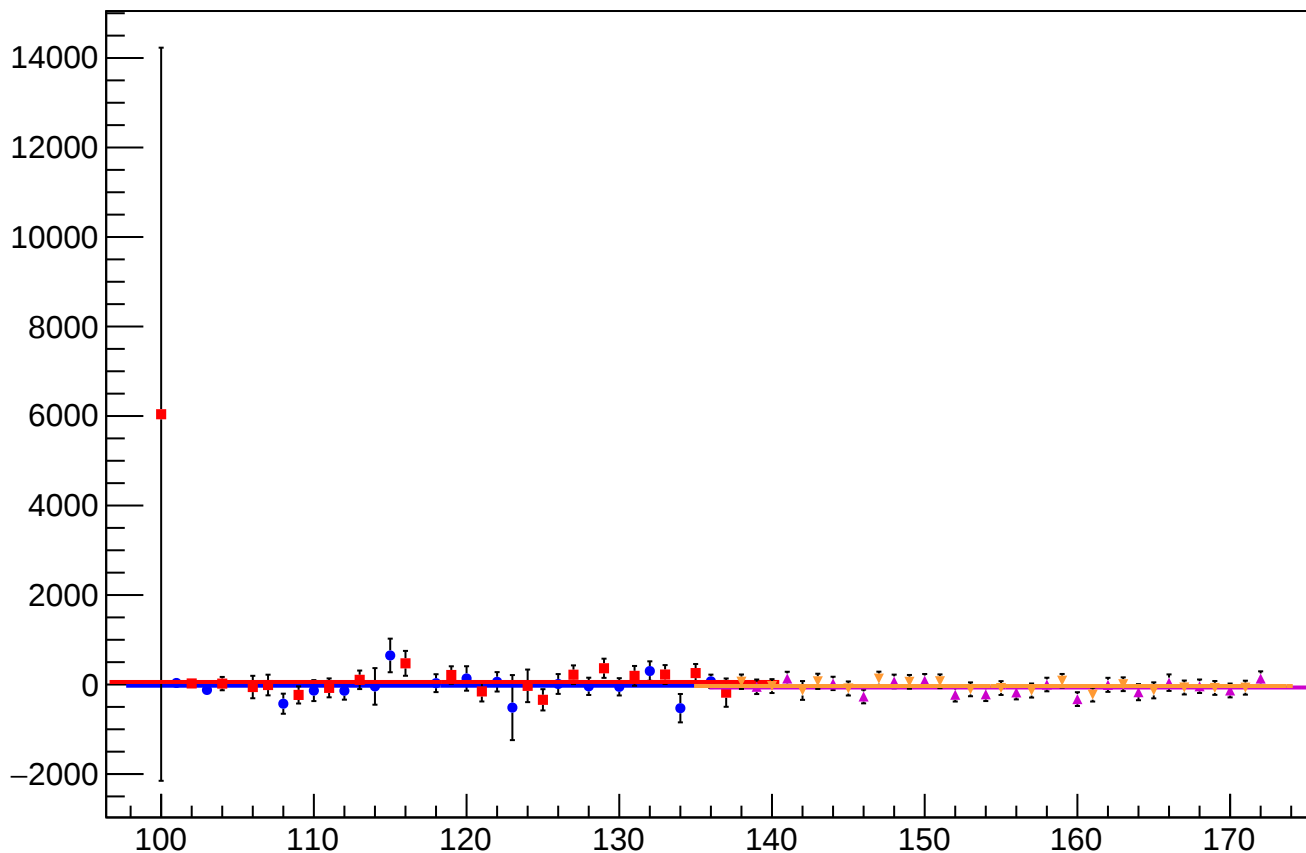
Right: 1.962 $\pm$ 0.000 χ^2 /NDF: 1074296.8/35

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

Out: 2.156 $\pm$ 0.000 χ^2 /NDF: 820689.2/36

All: 2.104 $\pm$ 0.000 χ^2 /NDF: 1991164.7/70

asym_dsr_mean vs Slug, Sign Corrected



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

Left Out: -33.007 ± 37.501 χ^2/NDF : 6.5/17

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

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

Left: -49.480 ± 26.655 χ^2/NDF : 20.8/34

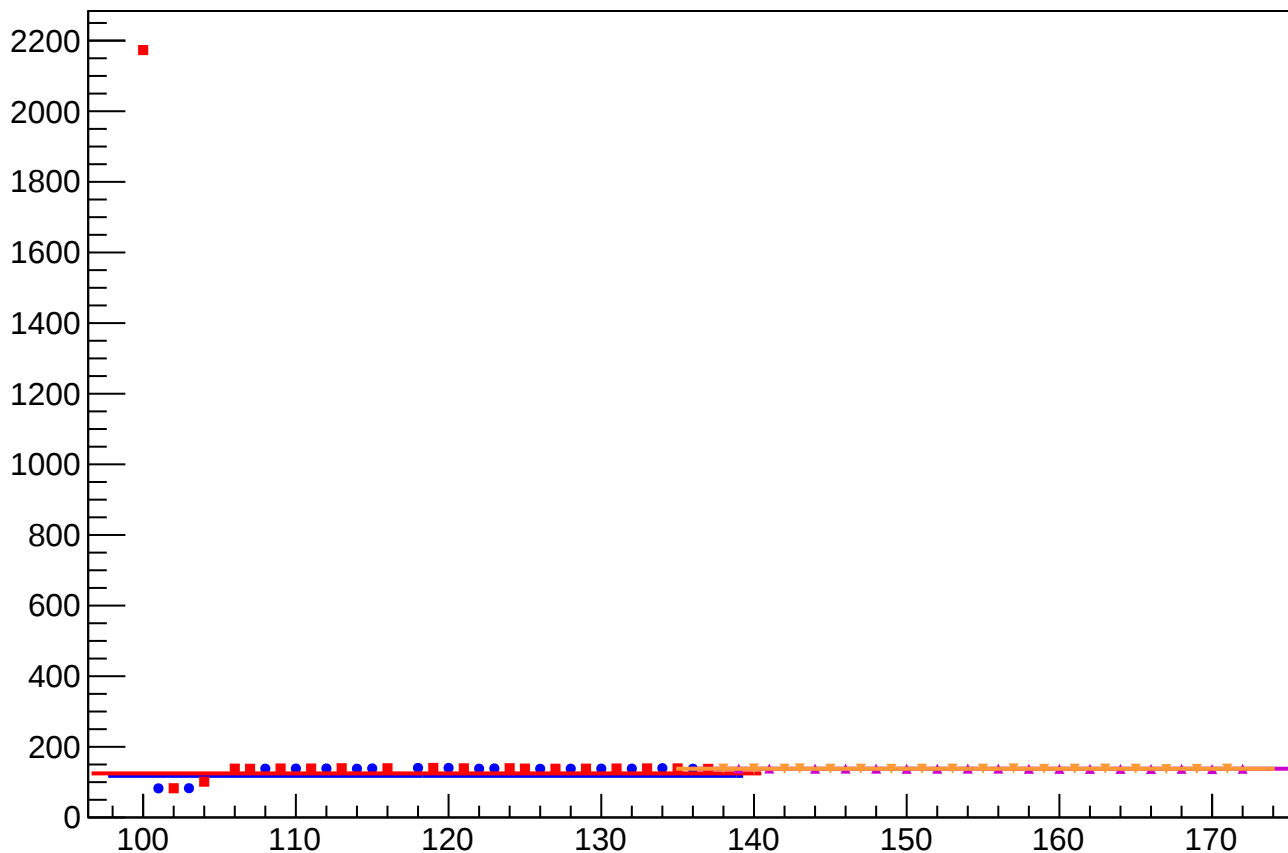
Right: 14.681 ± 33.410 χ^2/NDF : 31.4/35

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

Out: 1.456 ± 29.486 χ^2/NDF : 24.2/36

All: -24.525 ± 20.836 χ^2/NDF : 54.5/70

asym_dsr_rms vs Slug, Sign Corrected



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

Left Out: 137.950 $\pm$ 0.027 χ^2 /NDF:325.8/17

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

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

Left: 137.979 $\pm$ 0.019 χ^2 /NDF: 546.7/34

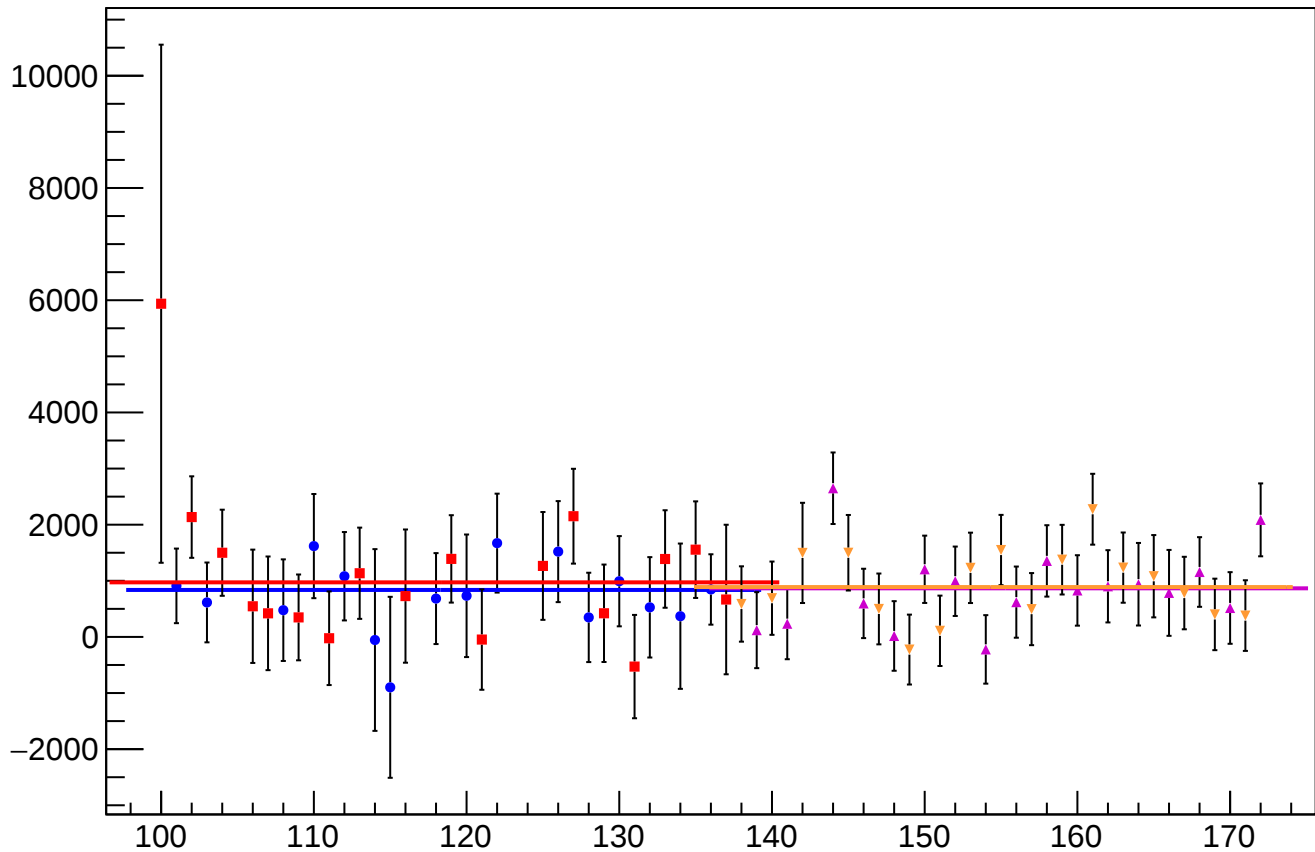
Right: 121.231 $\pm$ 0.024 χ^2 /NDF: 1268326.7/35

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

Out: 132.911 $\pm$ 0.021 χ^2 /NDF:675234.6/36

All: 131.465 $\pm$ 0.015 χ^2 /NDF: 1575949.5/70

reg_asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 888.429 $\pm$ 157.960 χ^2 /NDF: 15.6/16

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

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

Left: 877.000 $\pm$ 110.834 χ^2 /NDF: 36.0/33

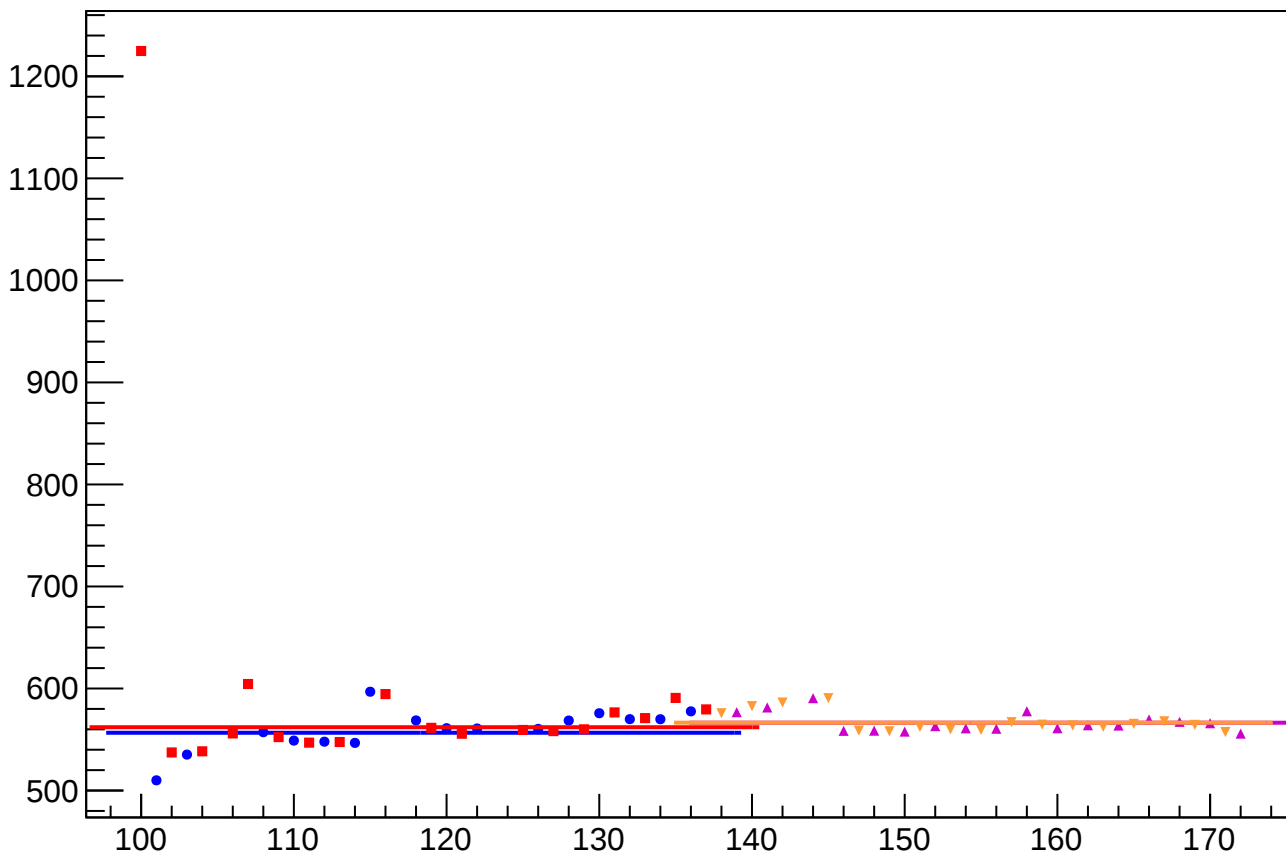
Right: 905.821 $\pm$ 151.634 χ^2 /NDF: 19.2/33

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

Out: 918.279 $\pm$ 126.824 χ^2 /NDF: 29.9/34

All: 887.036 $\pm$ 89.479 χ^2 /NDF: 55.3/67

reg_asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 566.530+/-0.112 χ^2/NDF : 6983.8/16

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

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

Left: 566.499+/-0.078 χ^2/NDF : 14293.4/33

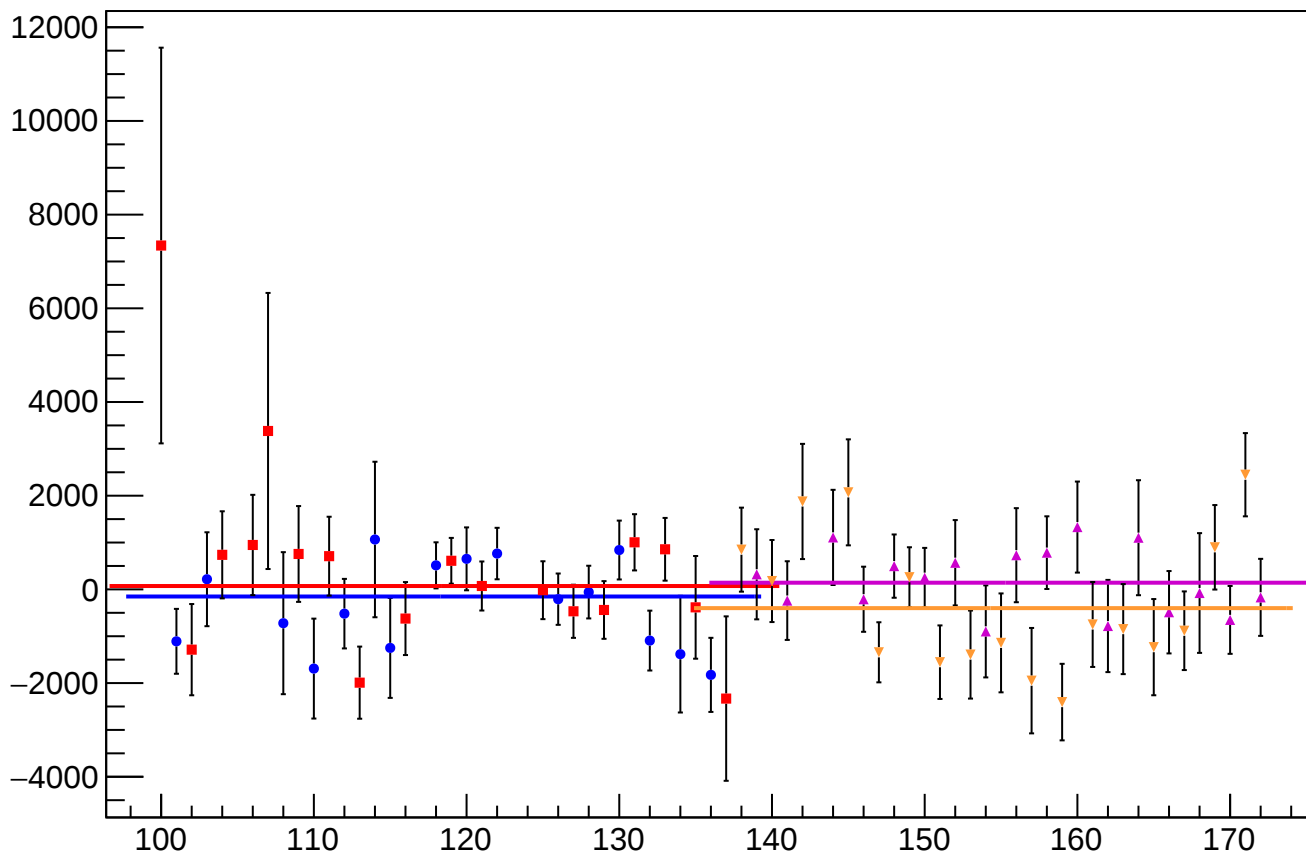
Right: 559.386+/-0.107 χ^2/NDF : 74603.5/33

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

Out: 564.937+/-0.090 χ^2/NDF : 63131.2/34

All: 564.022+/-0.063 χ^2/NDF : 91765.0/67

asym_left_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -400.156+/-213.337 χ^2/NDF :39.2/16

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

Left In: 142.533+/-207.887 χ^2/NDF :9.0/16

Left: -121.791+/-148.888 χ^2/NDF : 51.5/33

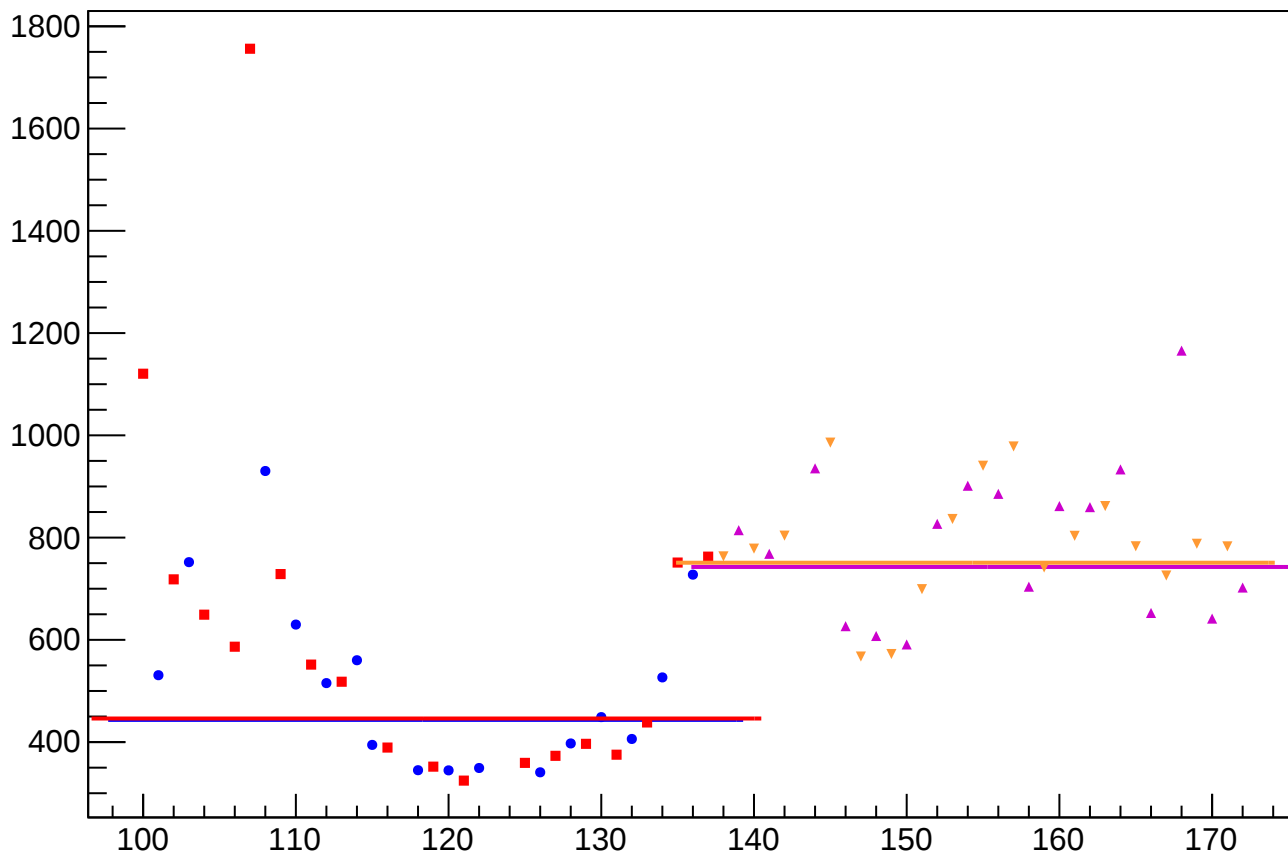
Right: -39.177+/-126.832 χ^2/NDF : 48.1/33

In: -25.667+/-136.112 χ^2/NDF :32.4/32

Out: -122.782+/-136.975 χ^2/NDF :67.1/34

All: -73.918+/-96.549 χ^2/NDF : 99.7/67

asym_left_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 750.864+/-0.151 χ^2/NDF : 627041.9/16

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

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

Left: 746.604+/-0.105 χ^2/NDF : 1467947.9/33

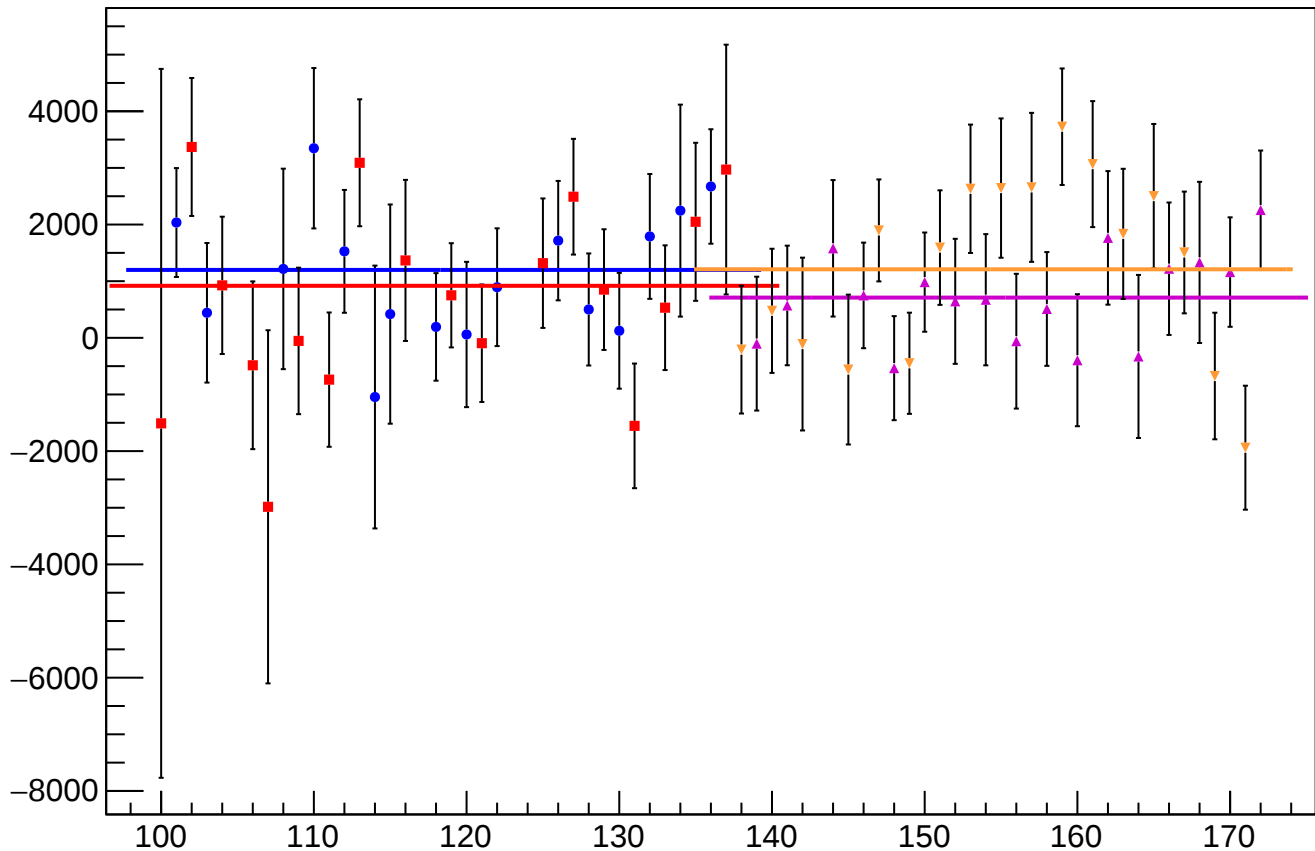
Right: 444.809+/-0.090 χ^2/NDF : 2521153.2/33

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

Out: 571.763+/-0.097 χ^2/NDF : 4485270.5/34

All: 571.719+/-0.068 χ^2/NDF : 8750973.0/67

asym_left_avg_mean vs Slug, Sign Corrected



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

Left Out: 1209.748 $\pm$ 269.856 χ^2/NDF : 34.2/16

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

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

Left: 954.550 $\pm$ 188.709 χ^2/NDF : 44.3/33

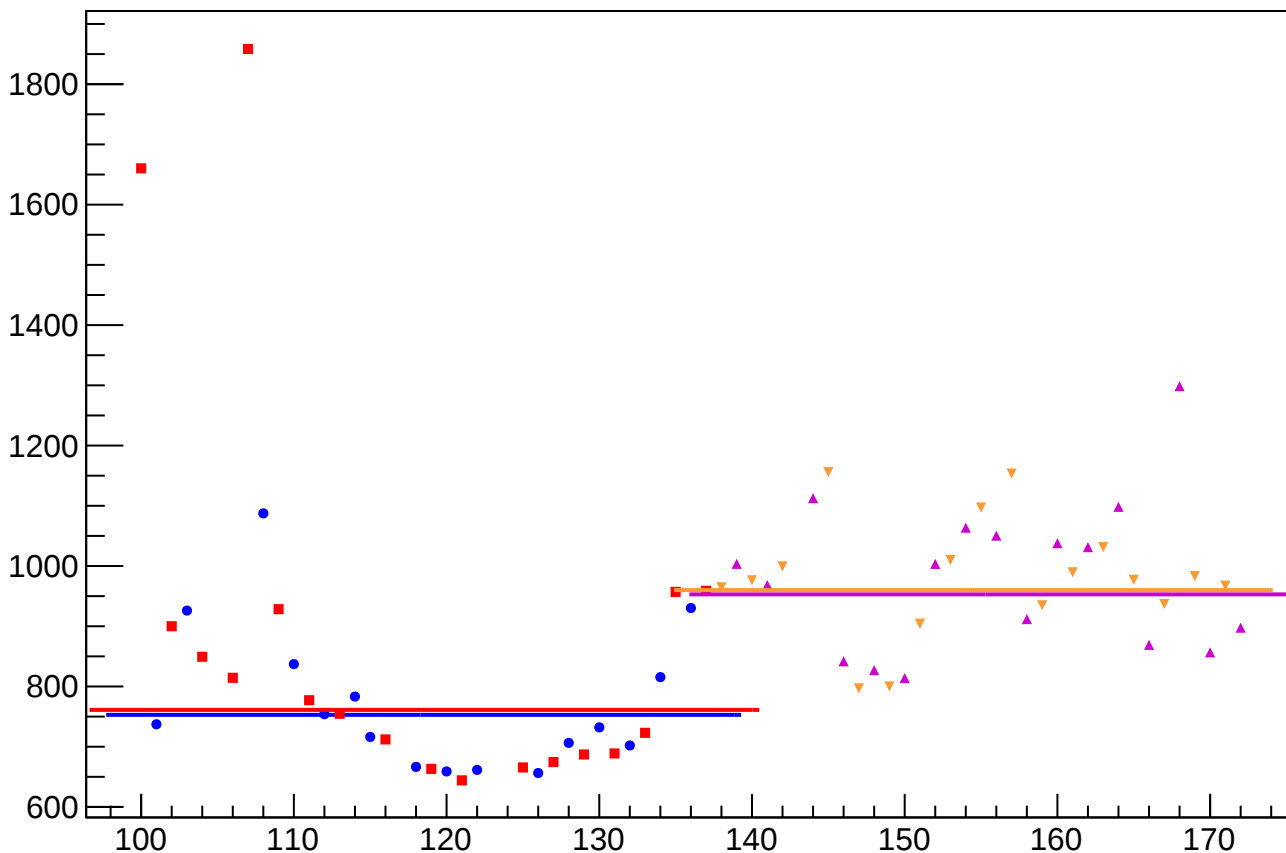
Right: 1057.763 $\pm$ 208.076 χ^2/NDF : 34.9/33

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

Out: 1076.184 $\pm$ 198.587 χ^2/NDF : 57.9/34

All: 1001.131 $\pm$ 139.784 χ^2/NDF : 79.3/67

asym_left_avg_rms vs Slug, Sign Corrected



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

Left Out: 960.058+/-0.191 χ^2/NDF : 266214.7/16

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

Left In: 952.940+/-0.187 χ^2/NDF : 388345.2/16

Left: 956.421+/-0.133 χ^2/NDF : 655271.1/33

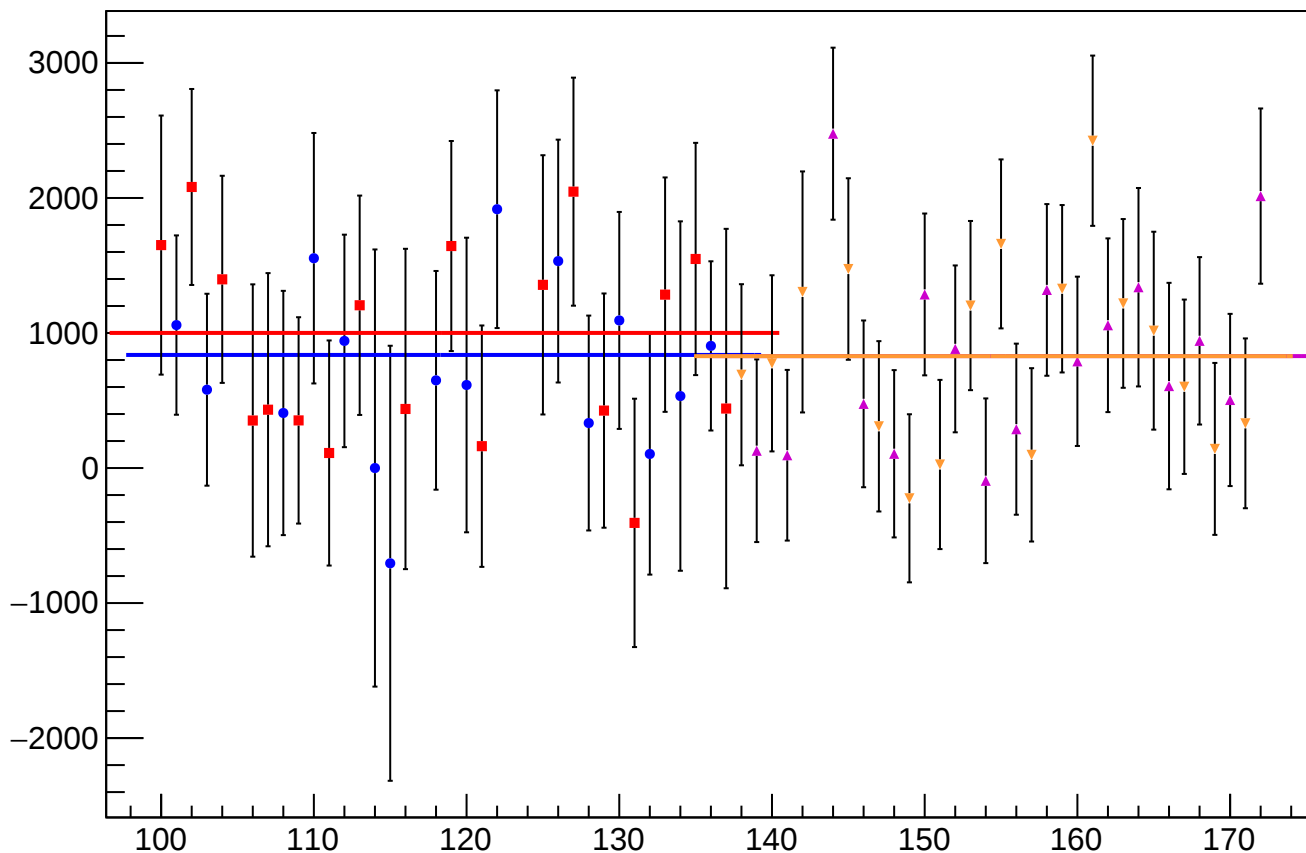
Right: 757.076+/-0.147 χ^2/NDF : 770443.9/33

In: 864.081+/-0.139 χ^2/NDF : 1150894.5/32

Out: 868.873+/-0.140 χ^2/NDF : 1281456.4/34

All: 866.455+/-0.099 χ^2/NDF : 2432938.6/67

reg_asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 828.505 $\pm$ 157.827 χ^2 /NDF:19.3/16

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

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

Left: 828.723 $\pm$ 110.741 χ^2 /NDF: 38.6/33

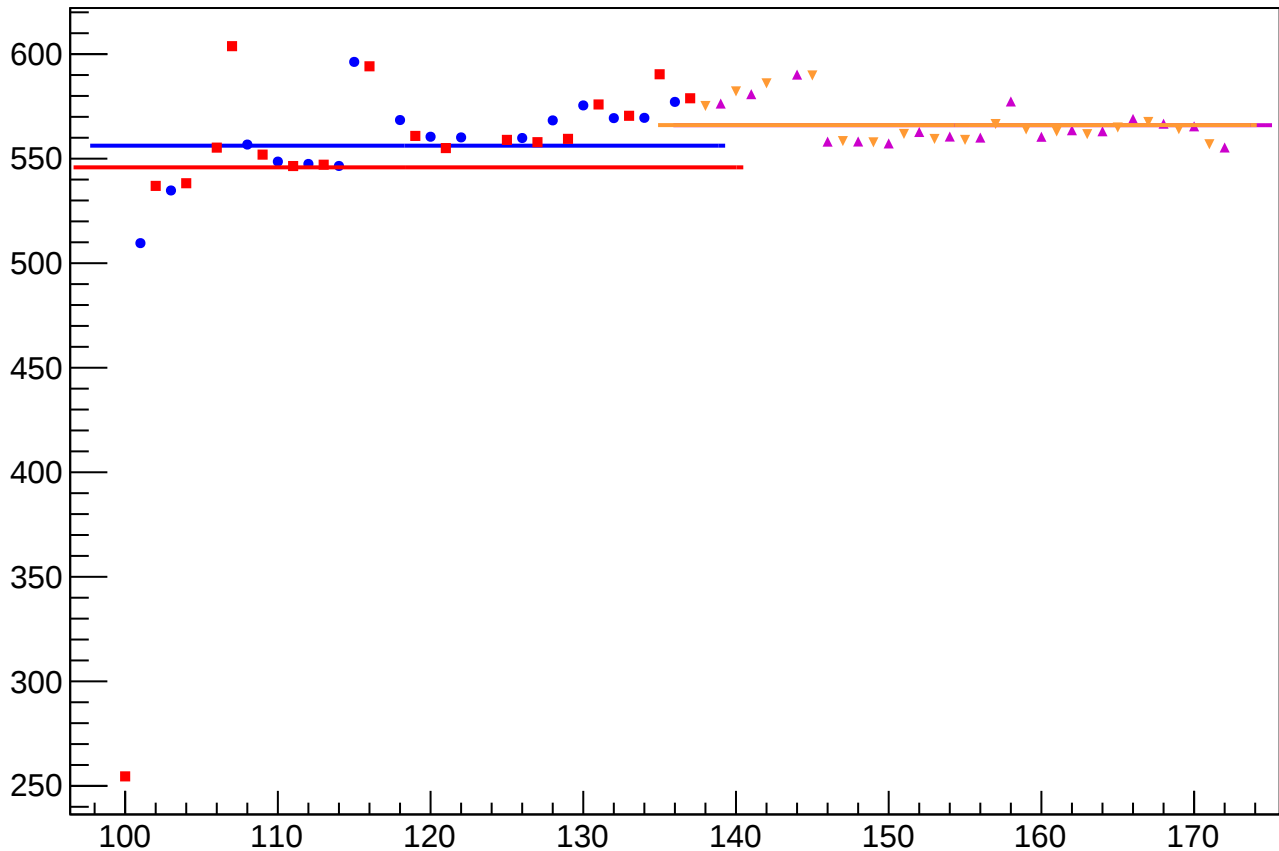
Right: 922.267 $\pm$ 149.737 χ^2 /NDF: 18.5/33

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

Out: 891.488 $\pm$ 125.674 χ^2 /NDF:32.2/34

All: 861.797 $\pm$ 89.037 χ^2 /NDF: 57.4/67

reg_asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 566.052 $\pm$ 0.112 χ^2 /NDF: 6931.5/16

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

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

Left: 566.026 $\pm$ 0.078 χ^2 /NDF: 14269.4/33

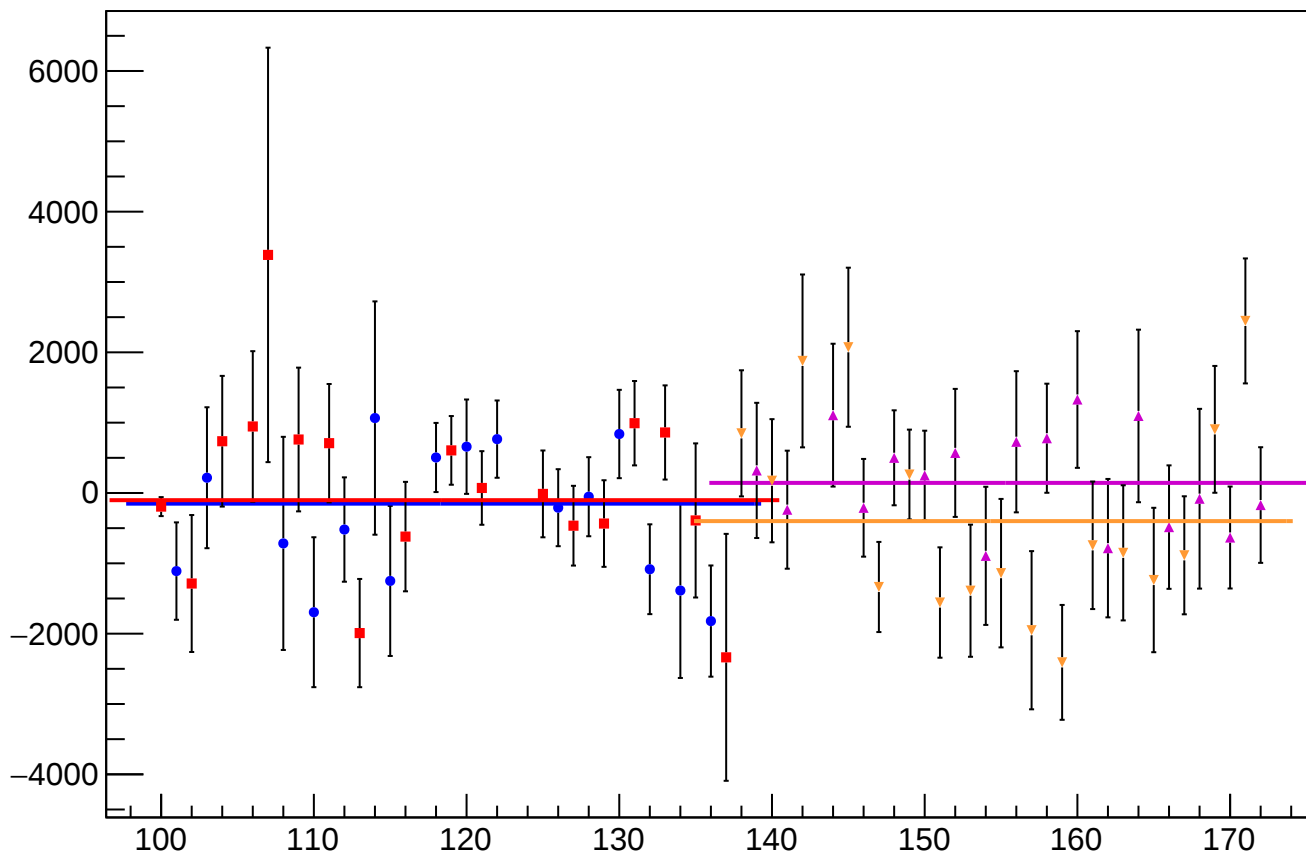
Right: 550.825 $\pm$ 0.106 χ^2 /NDF: 228450.1/33

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

Out: 558.657 $\pm$ 0.089 χ^2 /NDF: 226570.2/34

All: 560.652 $\pm$ 0.063 χ^2 /NDF: 256043.6/67

asym_left_dd_correction_mean vs Slug, Sign Corrected



Right In: -151.459 $\pm$ 179.991 χ^2/NDF : 22.3/15

Left Out: -399.804 $\pm$ 213.249 χ^2/NDF : 39.2/16

Right Out: -102.079 $\pm$ 107.707 χ^2/NDF : 23.2/17

Left In: 143.749 $\pm$ 207.793 χ^2/NDF : 8.9/16

Left: -120.986 $\pm$ 148.823 χ^2/NDF : 51.4/33

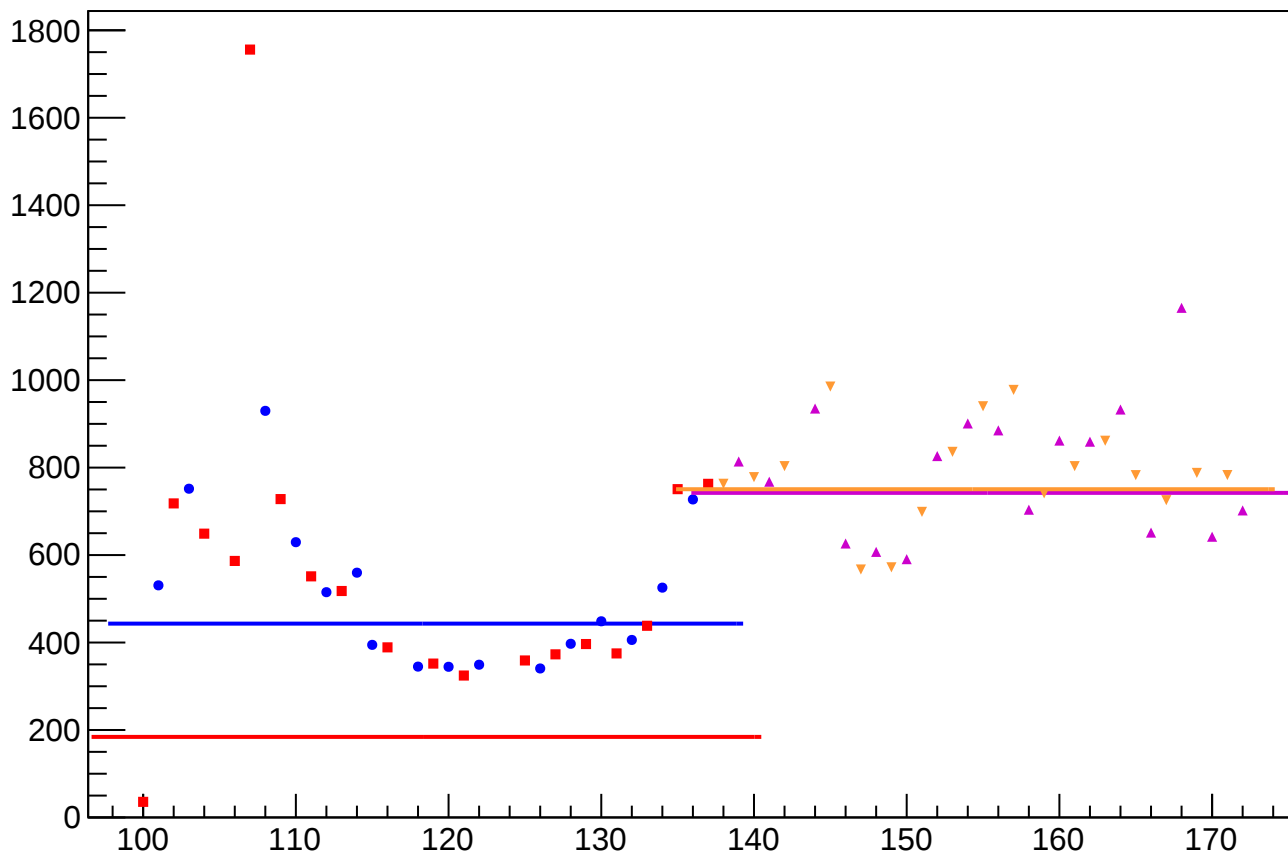
Right: -115.099 $\pm$ 92.423 χ^2/NDF : 45.6/33

In: -24.912 $\pm$ 136.048 χ^2/NDF : 32.3/32

Out: -162.593 $\pm$ 96.140 χ^2/NDF : 64.0/34

All: -116.738 $\pm$ 78.515 χ^2/NDF : 97.0/67

asym_left_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 750.569+/-0.151 χ^2/NDF : 627631.9/16

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

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

Left: 746.287+/-0.105 χ^2/NDF : 1468758.5/33

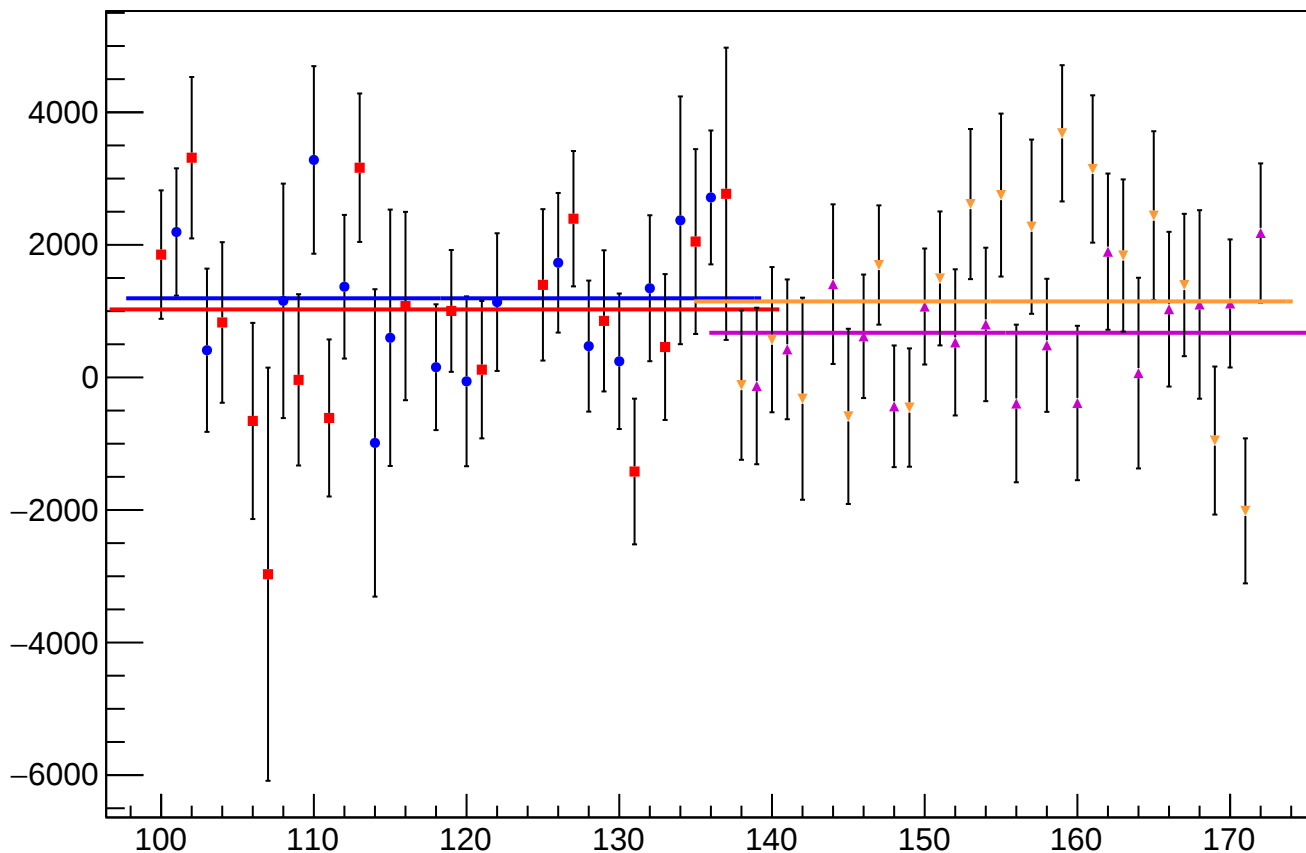
Right: 252.512+/-0.065 χ^2/NDF : 12190461.3/33

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

Out: 299.328+/-0.068 χ^2/NDF : 19947069.8/34

All: 389.944+/-0.056 χ^2/NDF : 29547767.7/67

asym_left_dd_mean vs Slug, Sign Corrected



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

Left Out: 1146.926 $\pm$ 269.701 χ^2 /NDF:34.7/16

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

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

Left: 905.015 $\pm$ 188.600 χ^2 /NDF: 44.2/33

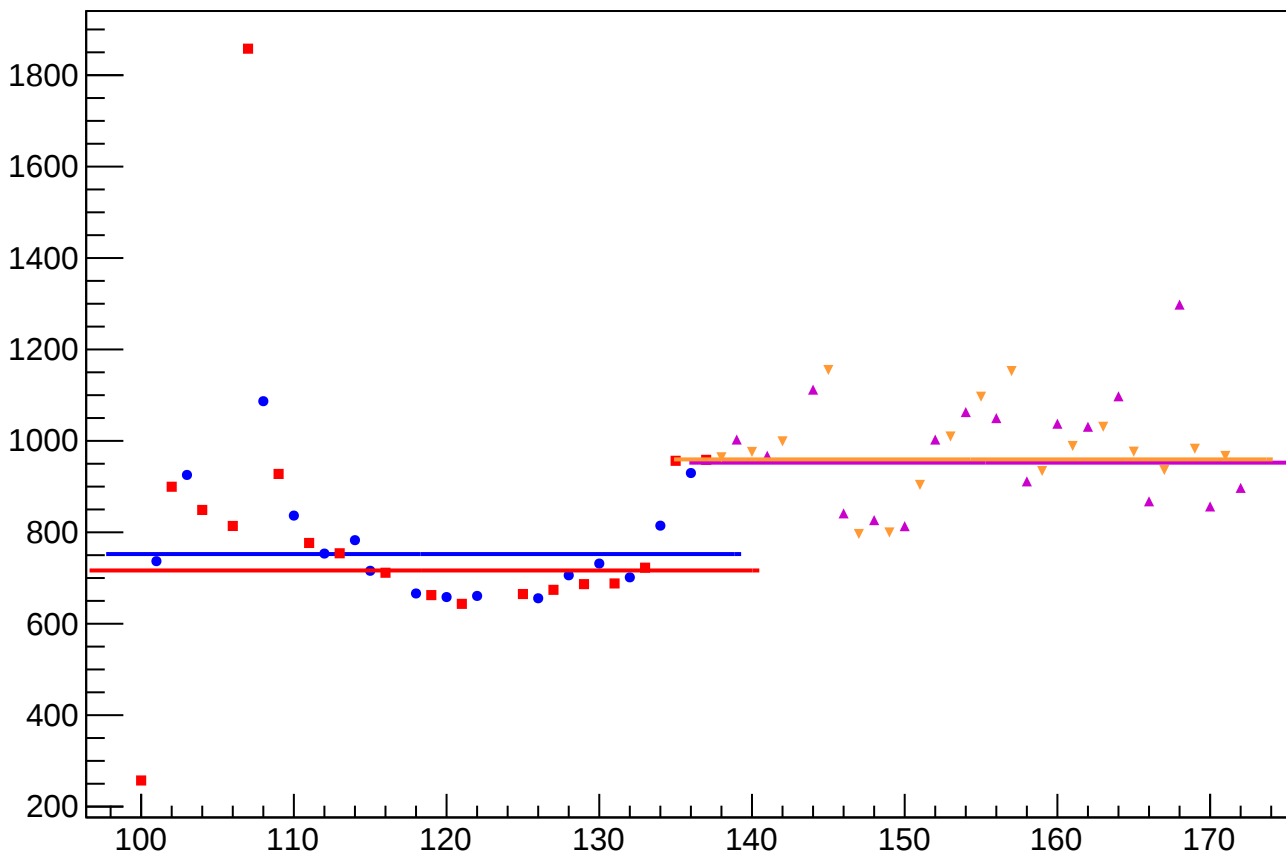
Right: 1105.849 $\pm$ 203.414 χ^2 /NDF: 33.9/33

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

Out: 1088.967 $\pm$ 194.520 χ^2 /NDF:57.3/34

All: 997.854 $\pm$ 138.301 χ^2 /NDF: 78.6/67

asym_left_dd_rms vs Slug, Sign Corrected



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

Left Out: 959.516+/-0.191 χ^2/NDF : 266174.1/16

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

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

Left: 955.867+/-0.133 χ^2/NDF : 655471.2/33

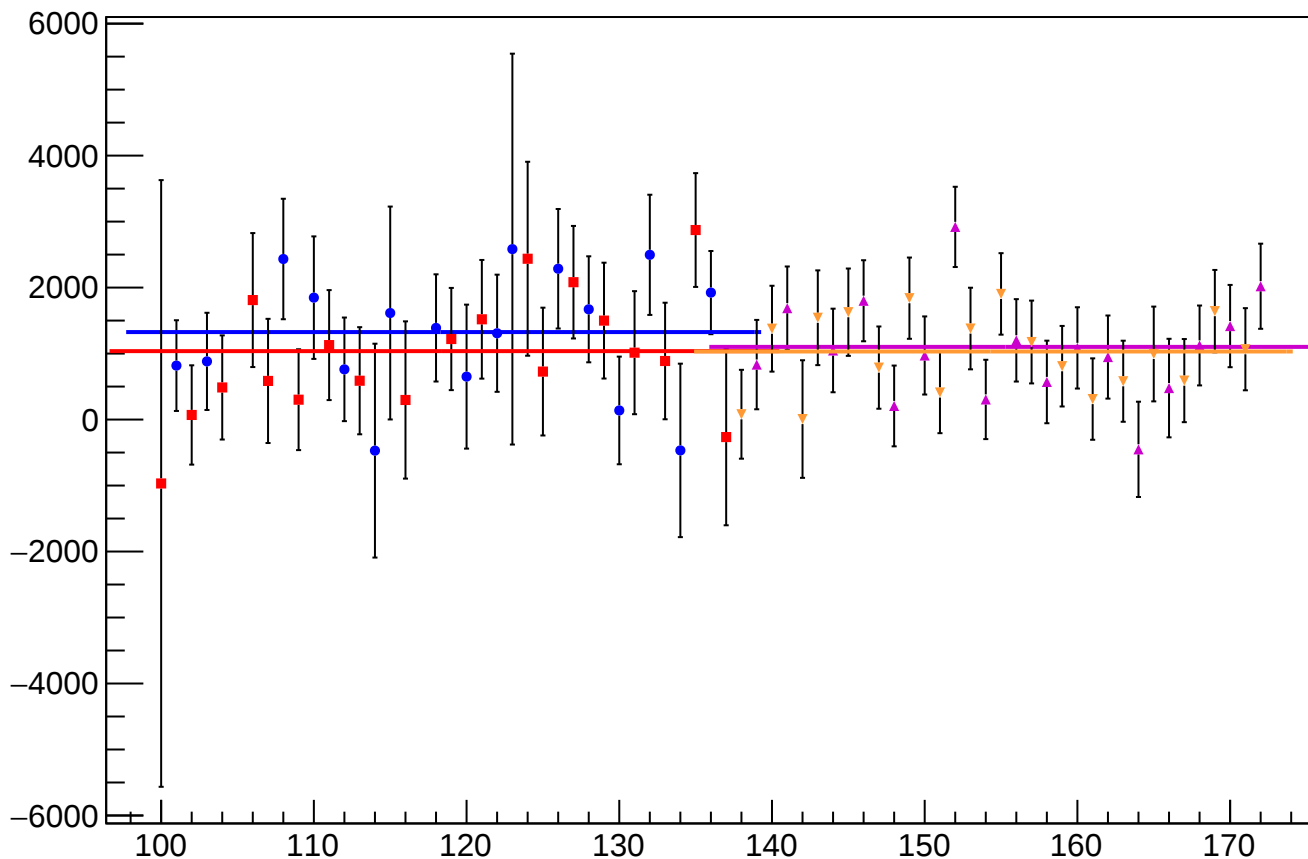
Right: 733.589+/-0.144 χ^2/NDF : 1235181.4/33

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

Out: 842.926+/-0.138 χ^2/NDF : 2012082.1/34

All: 853.116+/-0.098 χ^2/NDF : 3174849.3/67

reg_asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 1031.535 $\pm$ 152.077 χ^2 /NDF:13.7/17

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

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

Left: 1066.200 $\pm$ 107.981 χ^2 /NDF: 37.4/34

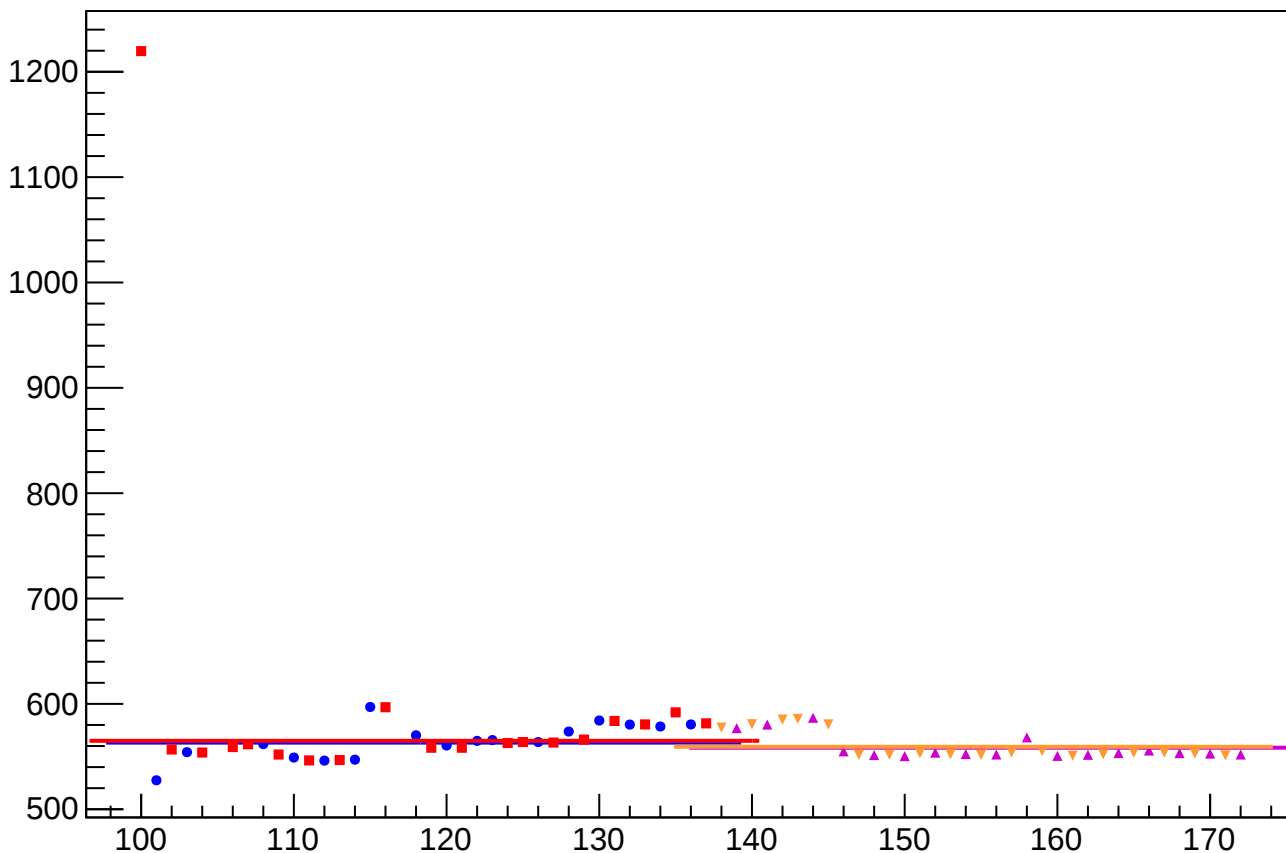
Right: 1177.020 $\pm$ 151.865 χ^2 /NDF: 27.2/35

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

Out: 1033.406 $\pm$ 123.488 χ^2 /NDF:27.1/36

All: 1103.413 $\pm$ 88.003 χ^2 /NDF: 65.0/70

reg_asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 559.300+/-0.108 χ^2/NDF : 13161.2/17

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

Left In: 558.405+/-0.108 χ^2/NDF : 10829.9/16

Left: 558.856+/-0.076 χ^2/NDF : 24025.5/34

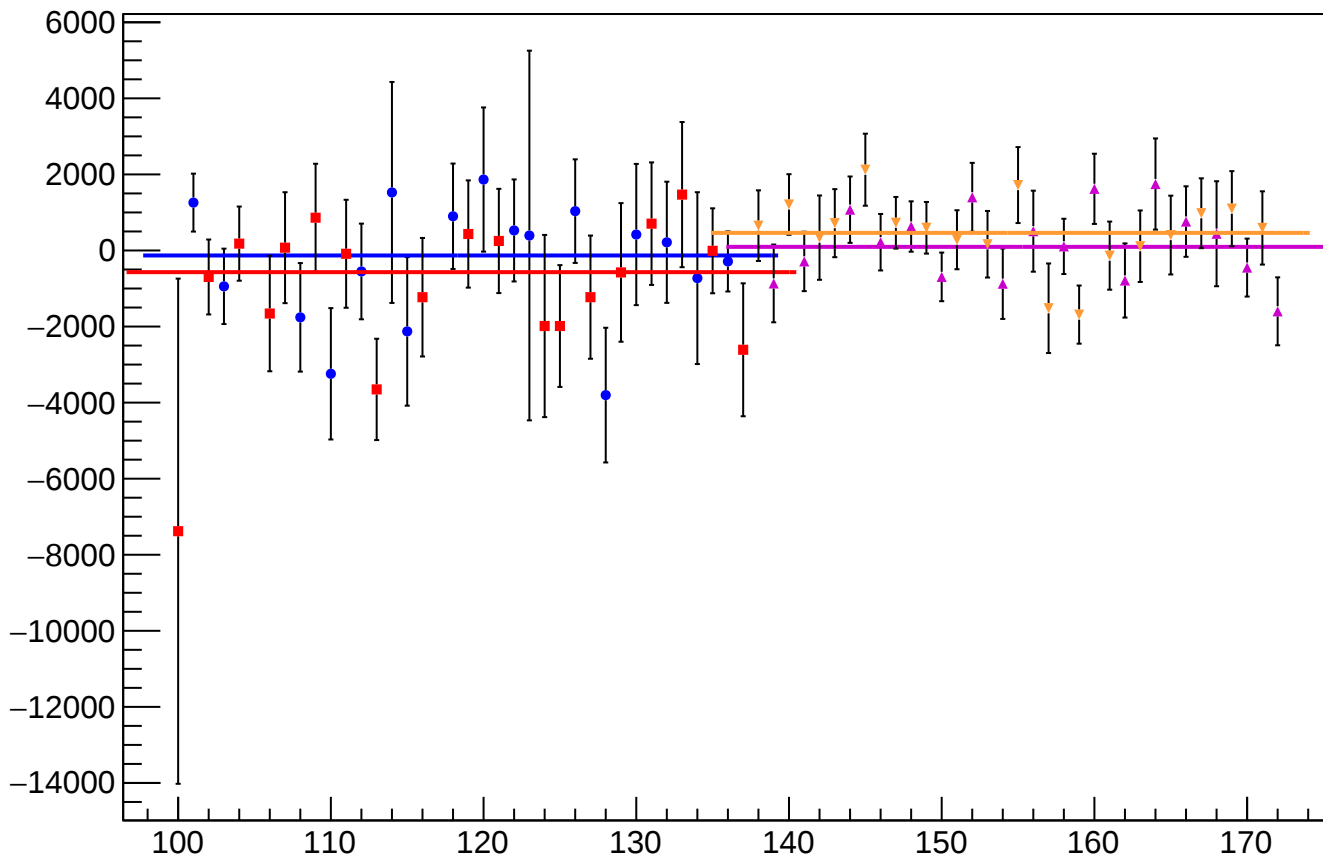
Right: 564.130+/-0.107 χ^2/NDF : 61877.2/35

In: 560.013+/-0.089 χ^2/NDF : 24014.9/33

Out: 561.223+/-0.087 χ^2/NDF : 63395.5/36

All: 560.627+/-0.062 χ^2/NDF : 87504.8/70

asym_right_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: 463.135+/-207.352 χ^2/NDF : 18.1/17

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

Left In: 95.225+/-207.605 χ^2/NDF : 18.1/16

Left: 279.405+/-146.710 χ^2/NDF : 37.7/34

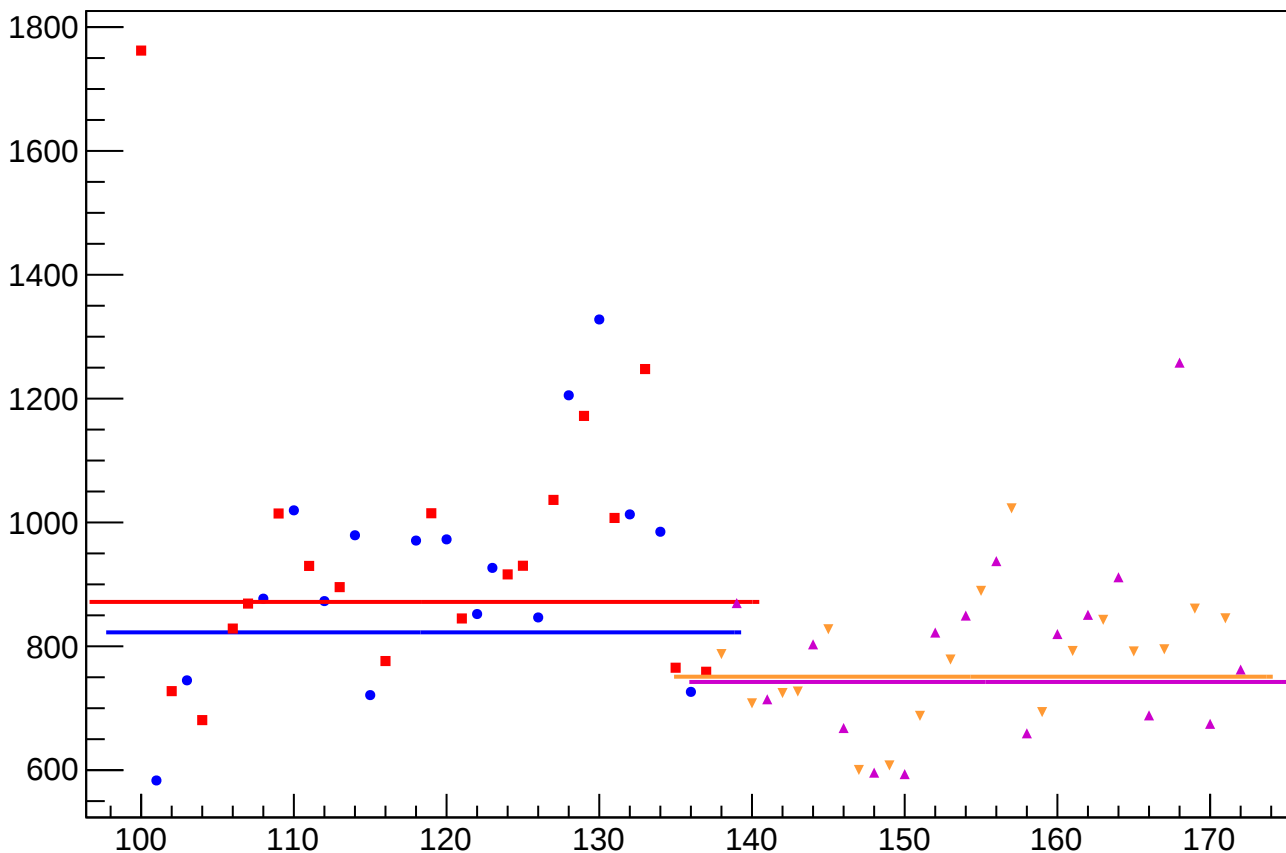
Right: -347.269+/-233.324 χ^2/NDF : 32.7/35

In: 30.374+/-175.357 χ^2/NDF : 35.6/33

Out: 173.777+/-175.929 χ^2/NDF : 39.7/36

All: 101.842+/-124.198 χ^2/NDF : 75.6/70

asym_right_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 750.916+/-0.147 χ^2/NDF : 458911.3/17

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

Left In: 742.408+/-0.147 χ^2/NDF : 786545.9/16

Left: 746.667+/-0.104 χ^2/NDF : 1247138.5/34

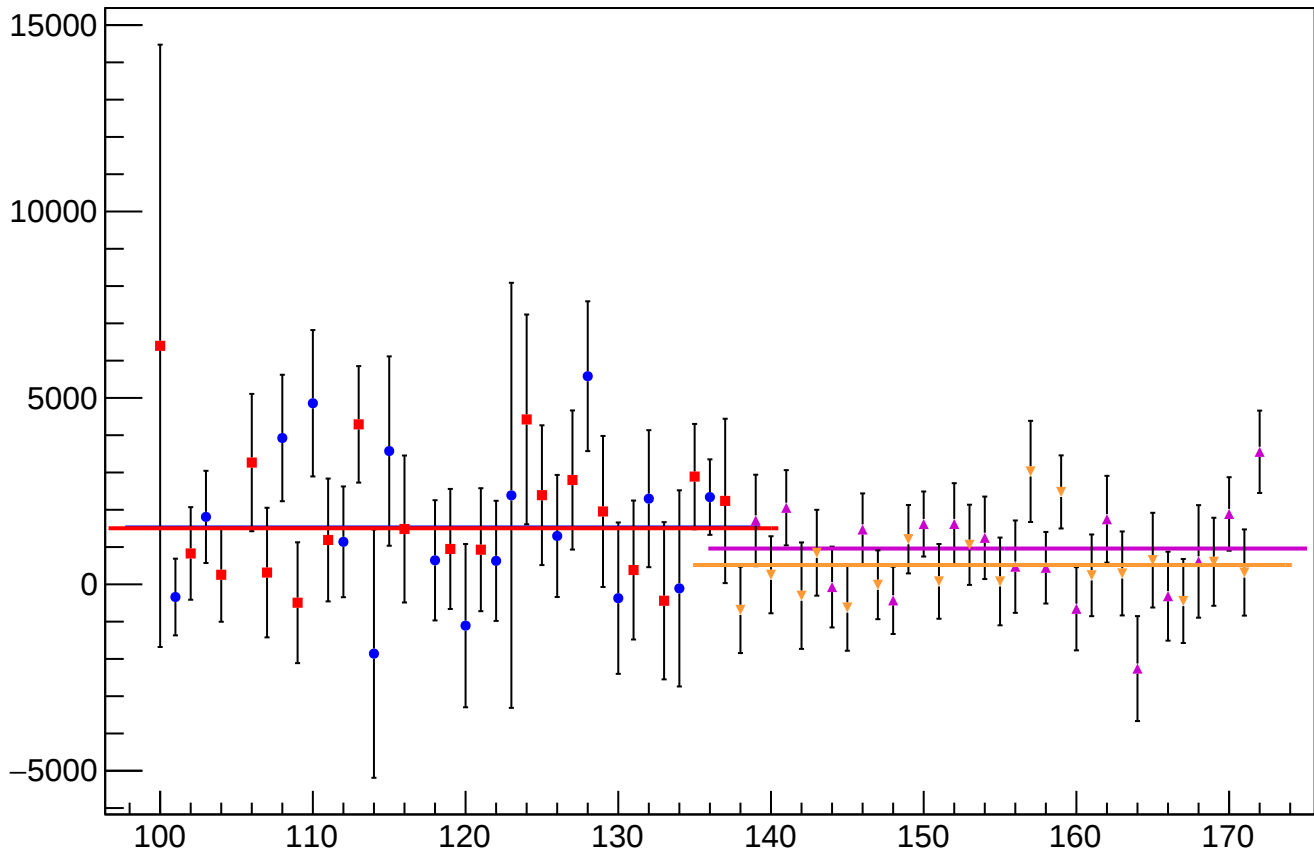
Right: 846.744+/-0.165 χ^2/NDF : 1029998.2/35

In: 765.366+/-0.124 χ^2/NDF : 1472852.8/33

Out: 784.744+/-0.124 χ^2/NDF : 1055800.6/36

All: 775.023+/-0.088 χ^2/NDF : 2540825.6/70

asym_right_avg_mean vs Slug, Sign Corrected



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

Left Out: 518.261 $\pm$ 260.871 χ^2/NDF : 12.3/17

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

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

Left: 738.199 $\pm$ 184.961 χ^2/NDF : 35.7/34

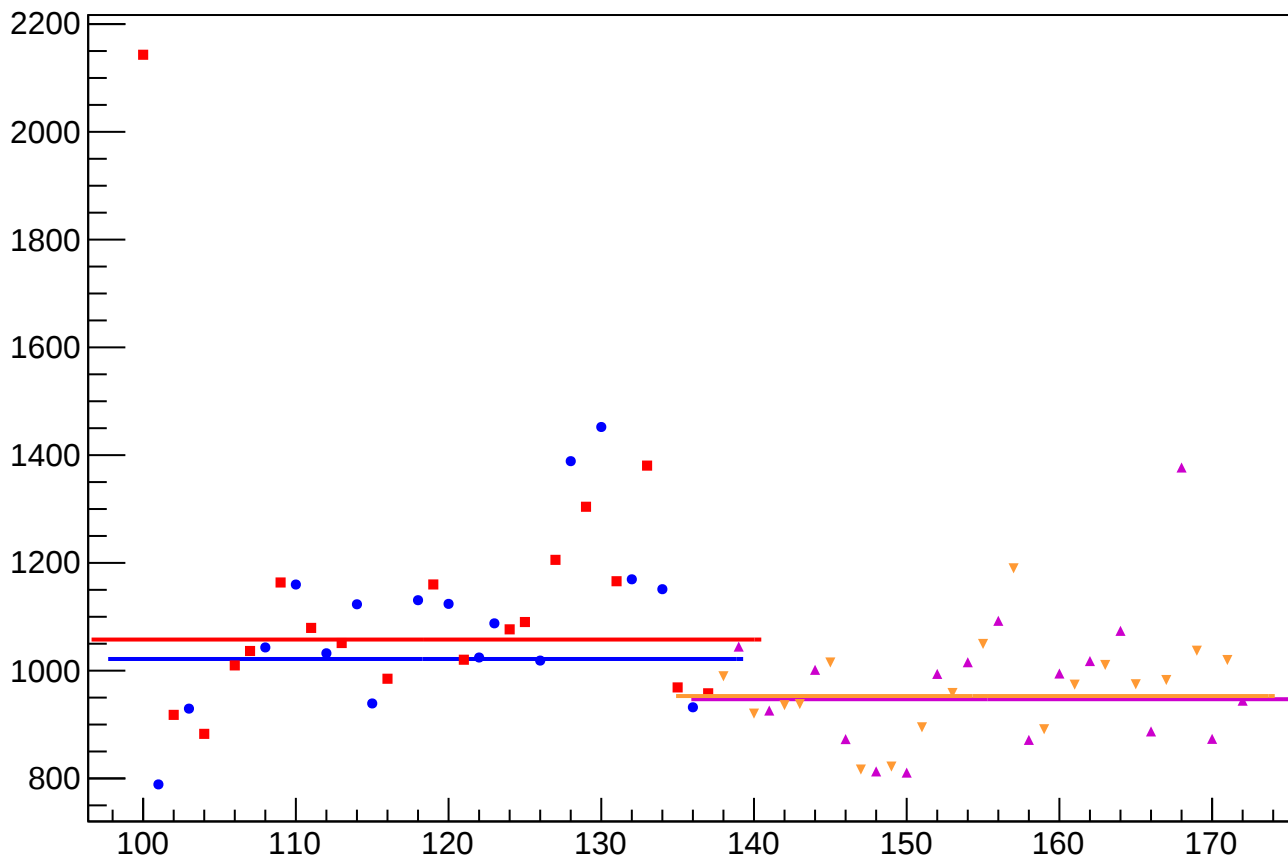
Right: 1514.890 $\pm$ 283.454 χ^2/NDF : 30.4/35

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

Out: 812.586 $\pm$ 218.500 χ^2/NDF : 28.7/36

All: 970.145 $\pm$ 154.900 χ^2/NDF : 71.3/70

asym_right_avg_rms vs Slug, Sign Corrected



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

Left Out: 952.886+/-0.184 χ^2/NDF : 208878.9/17

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

Left In: 947.016+/-0.185 χ^2/NDF : 380352.1/16

Left: 949.967+/-0.131 χ^2/NDF : 589734.4/34

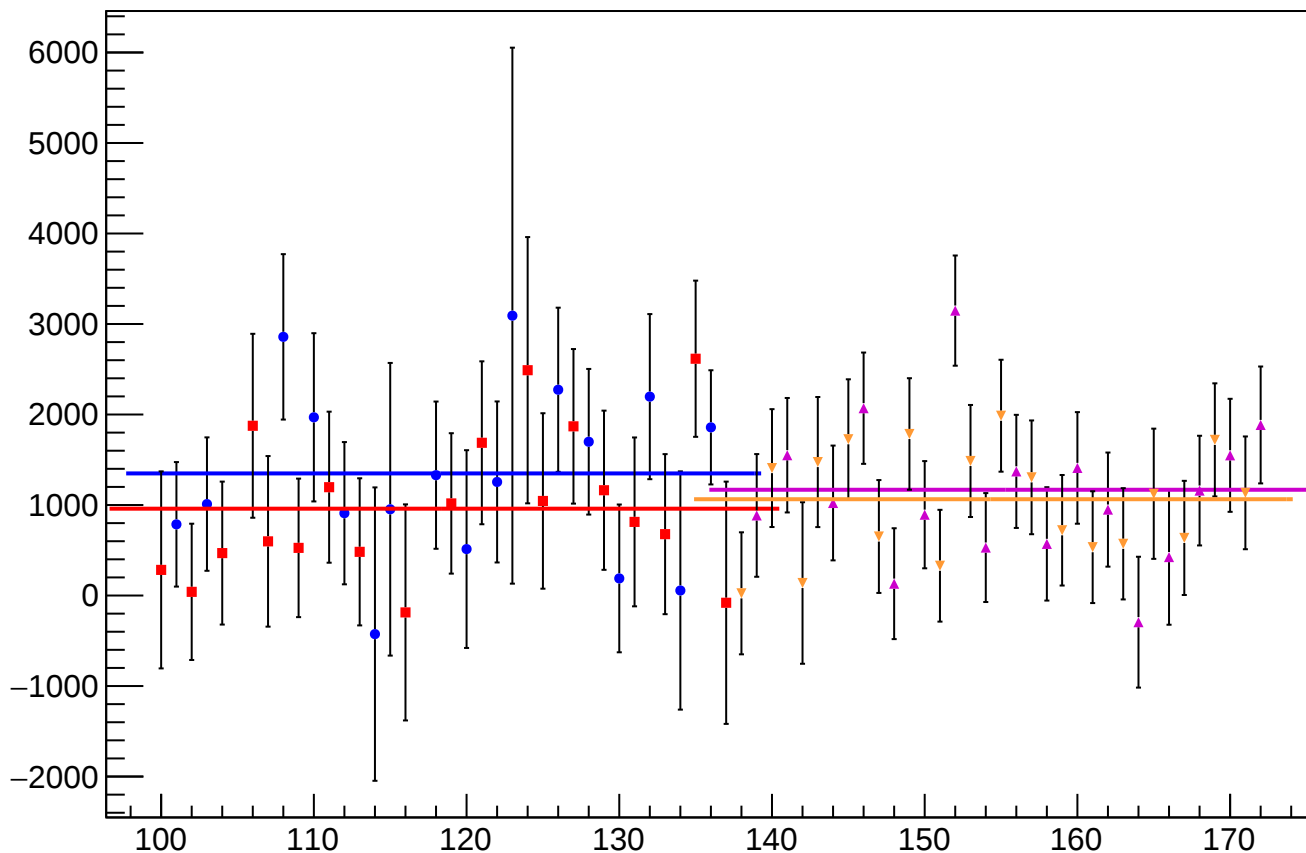
Right: 1039.788+/-0.200 χ^2/NDF : 570995.5/35

In: 969.322+/-0.155 χ^2/NDF : 760709.8/33

Out: 984.183+/-0.155 χ^2/NDF : 536272.8/36

All: 976.791+/-0.110 χ^2/NDF : 1301584.4/70

reg_asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 1064.034+/-152.232 χ^2/NDF : 14.4/17

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

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

Left: 1115.873+/-108.096 χ^2/NDF : 40.1/34

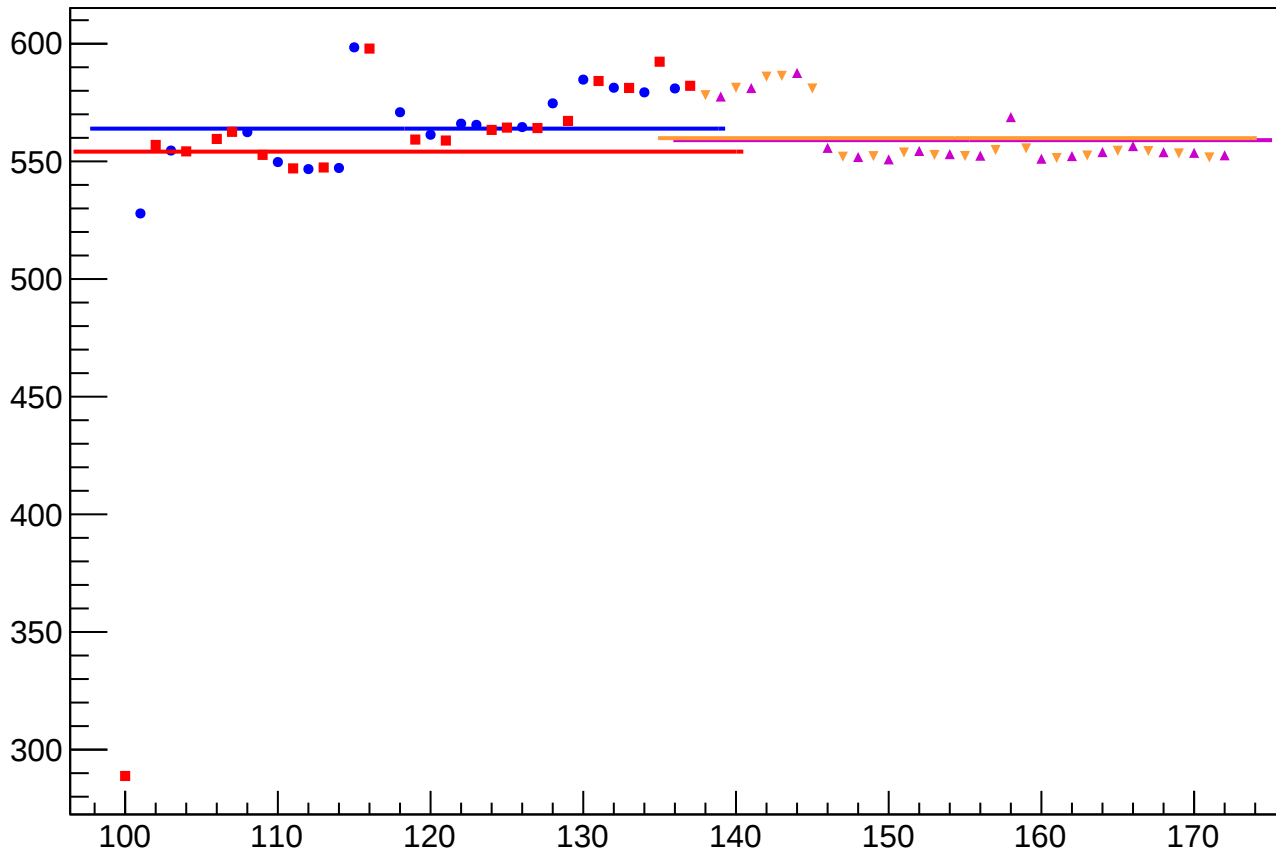
Right: 1144.995+/-150.662 χ^2/NDF : 26.2/35

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

Out: 1027.602+/-122.875 χ^2/NDF : 26.8/36

All: 1125.770+/-87.829 χ^2/NDF : 66.4/70

reg_asym_right_dd_rms vs Slug, Sign Corrected



Right In: 563.922 $\pm$ 0.154 χ^2 /NDF: 12663.1/16

Left Out: 559.871 $\pm$ 0.108 χ^2 /NDF:13196.8/17

Right Out: 554.145 $\pm$ 0.147 χ^2 /NDF: 131965.1/18

Left In: 559.018 $\pm$ 0.109 χ^2 /NDF:10909.6/16

Left: 559.448 $\pm$ 0.076 χ^2 /NDF: 24137.5/34

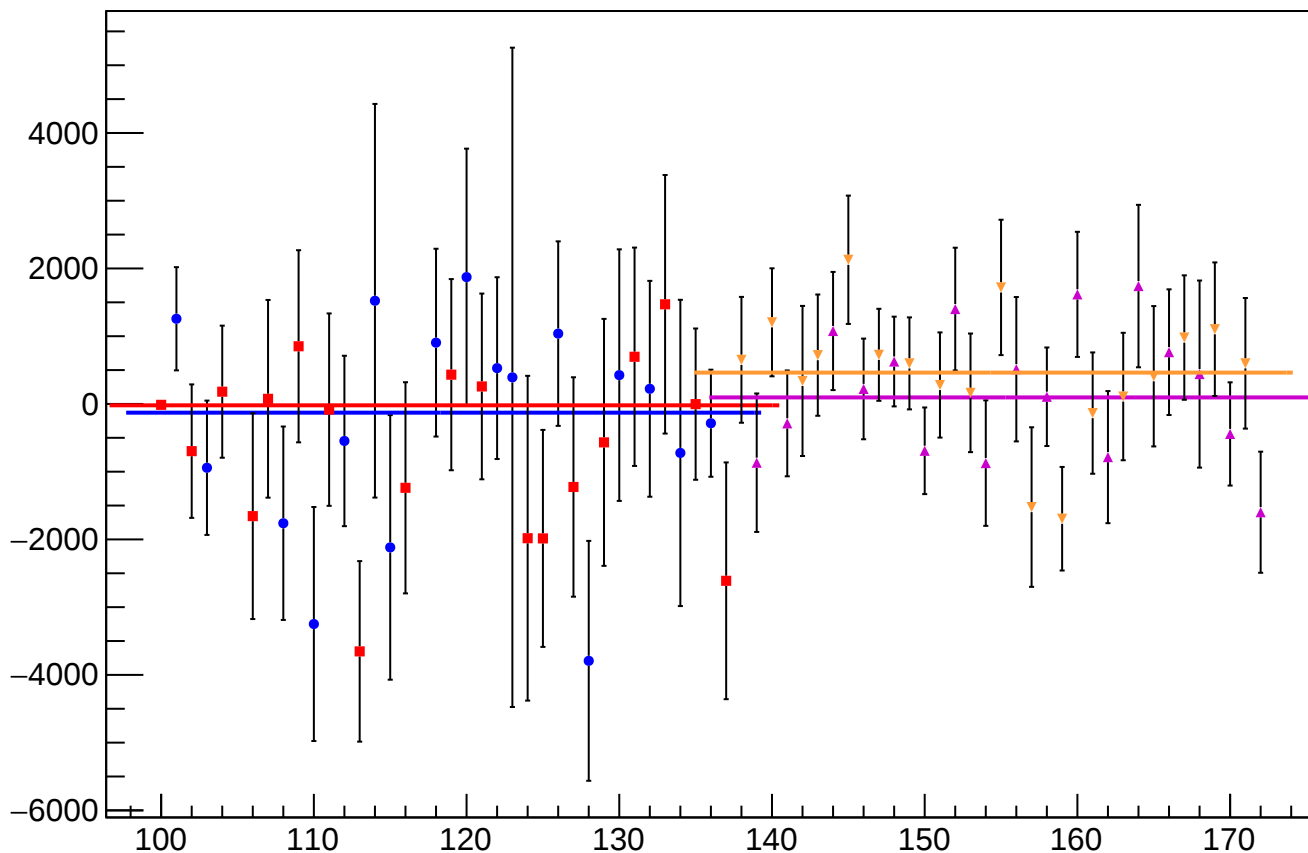
Right: 558.799 $\pm$ 0.107 χ^2 /NDF: 146729.2/35

In: 560.640 $\pm$ 0.089 χ^2 /NDF:24247.8/33

Out: 557.875 $\pm$ 0.087 χ^2 /NDF:146148.1/36

All: 559.228 $\pm$ 0.062 χ^2 /NDF: 170891.2/70

asym_right_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 462.661 $\pm$ 207.425 χ^2/NDF : 18.2/17

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

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

Left: 279.737 $\pm$ 146.771 χ^2/NDF : 37.7/34

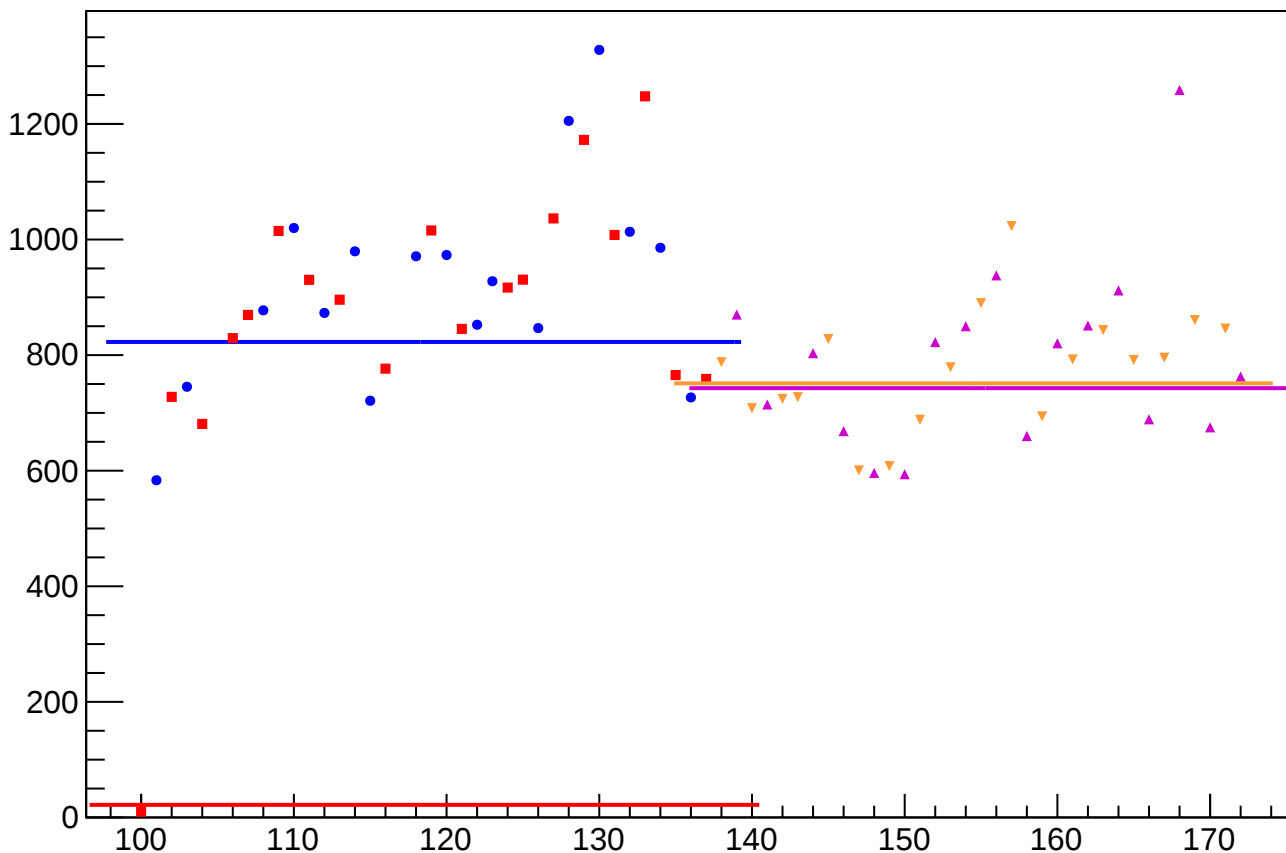
Right: -21.894 $\pm$ 38.682 χ^2/NDF : 33.4/35

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

Out: -3.928 $\pm$ 38.285 χ^2/NDF : 39.5/36

All: -2.303 $\pm$ 37.405 χ^2/NDF : 75.1/70

asym_right_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 751.170+/-0.147 χ^2/NDF : 458961.2/17

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

Left In: 742.776+/-0.147 χ^2/NDF : 786294.2/16

Left: 746.979+/-0.104 χ^2/NDF : 1246890.8/34

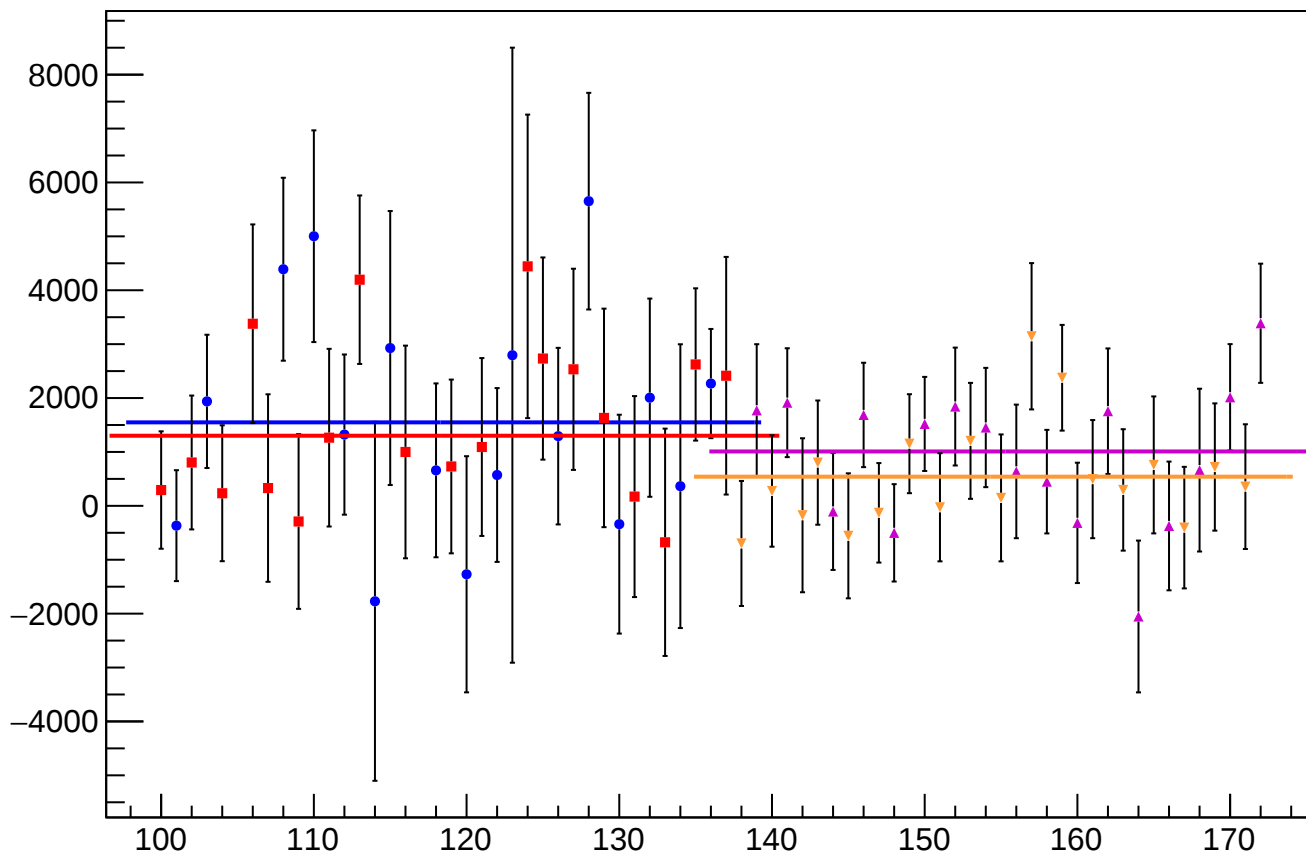
Right: 32.973+/-0.027 χ^2/NDF : 25907183.1/35

In: 765.707+/-0.124 χ^2/NDF : 1472213.0/33

Out: 46.659+/-0.027 χ^2/NDF : 37868215.5/36

All: 79.347+/-0.026 χ^2/NDF : 71411723.5/70

asym_right_dd_mean vs Slug, Sign Corrected



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

Left Out: 540.954 $\pm$ 261.020 χ^2 /NDF:12.2/17

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

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

Left: 773.749 $\pm$ 185.079 χ^2 /NDF: 34.5/34

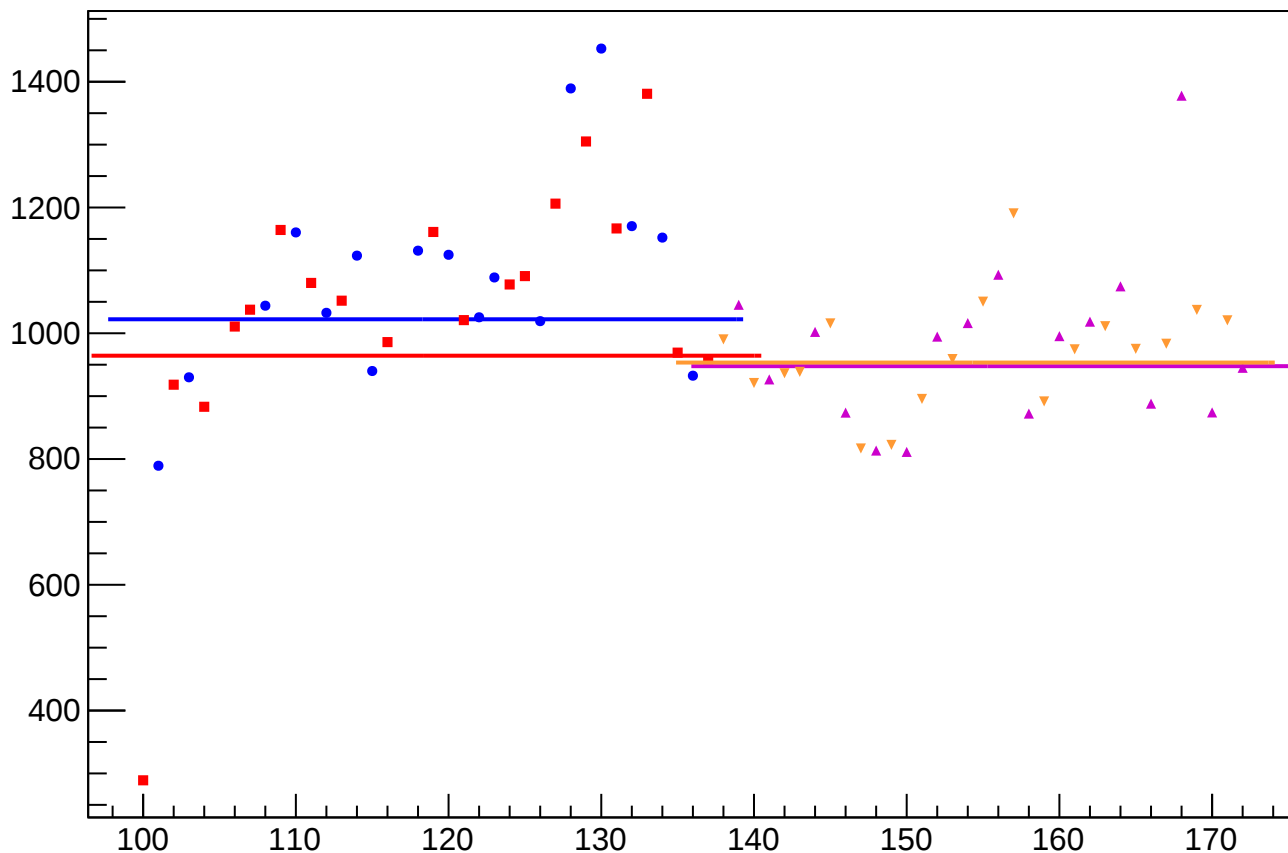
Right: 1416.645 $\pm$ 274.624 χ^2 /NDF: 31.7/35

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

Out: 788.064 $\pm$ 214.426 χ^2 /NDF:27.5/36

All: 974.546 $\pm$ 153.478 χ^2 /NDF: 69.9/70

asym_right_dd_rms vs Slug, Sign Corrected



Right In: 1022.241 $\pm$ 0.284 χ^2/NDF : 331865.9/16

Left Out: 953.424 $\pm$ 0.185 χ^2/NDF : 208980.2/17

Right Out: 964.330 $\pm$ 0.266 χ^2/NDF : 1067281.2/18

Left In: 947.689 $\pm$ 0.186 χ^2/NDF : 380066.1/16

Left: 950.572 $\pm$ 0.131 χ^2/NDF : 589526.3/34

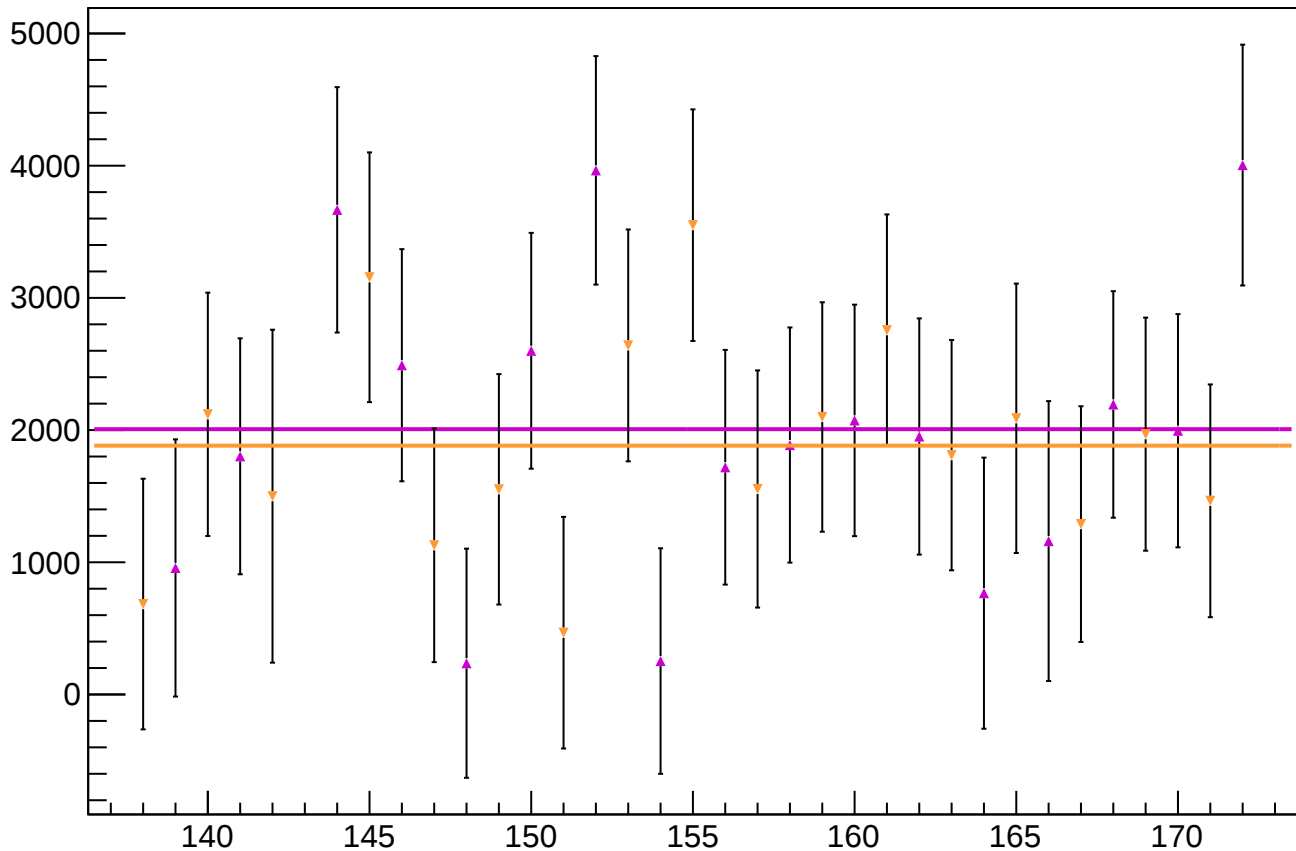
Right: 991.355 $\pm$ 0.194 χ^2/NDF : 1421282.7/35

In: 969.971 $\pm$ 0.155 χ^2/NDF : 760157.9/33

Out: 956.970 $\pm$ 0.152 χ^2/NDF : 1277396.5/36

All: 963.310 $\pm$ 0.109 χ^2/NDF : 2041139.9/70

cor_asym_us_avg_mean vs Slug, Sign Corrected



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

Left Out: 1882.255+/-220.660 χ^2/NDF :13.3/16

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

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

Left: 1945.011+/-155.426 χ^2/NDF : 39.3/33

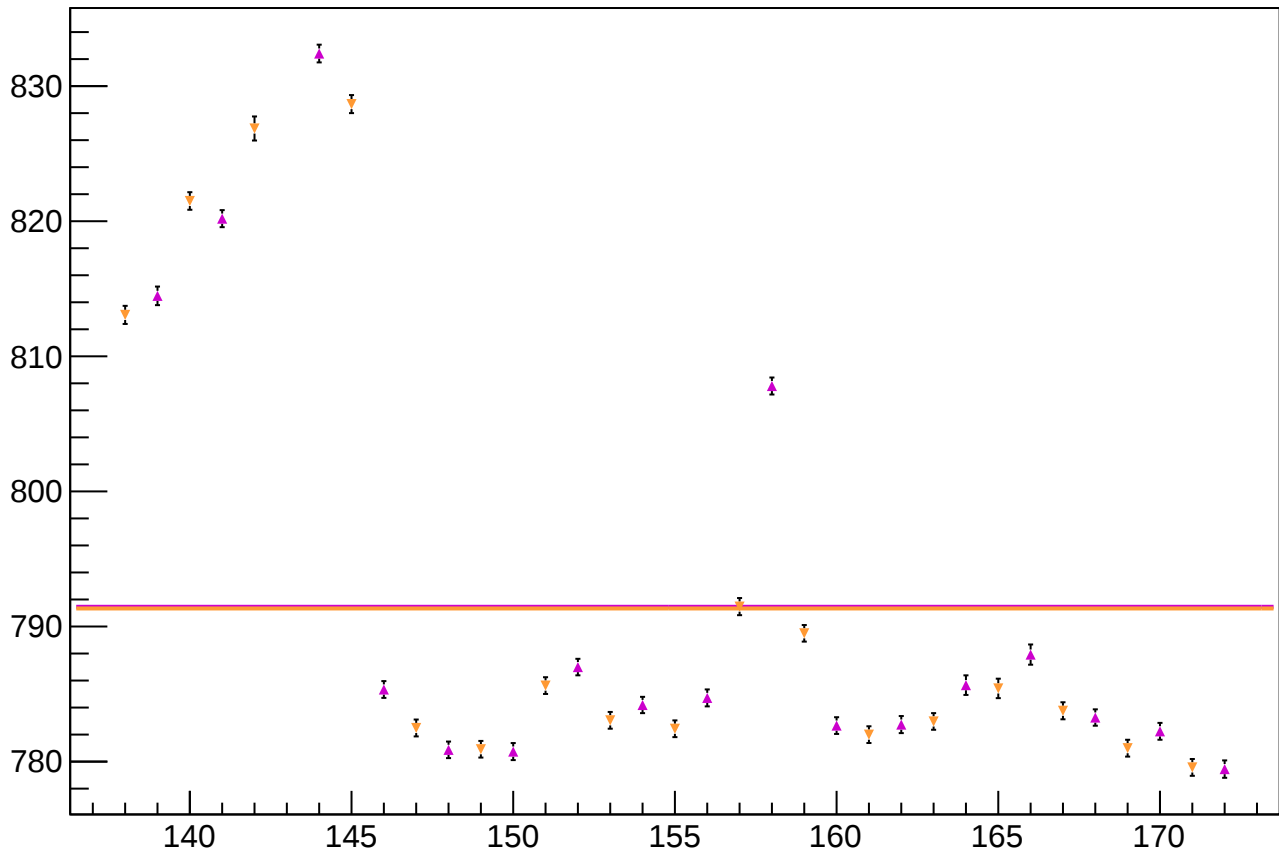
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 1882.255+/-220.660 χ^2/NDF :13.3/16

All: 1945.011+/-155.426 χ^2/NDF : 39.3/33

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

Left Out: 791.335+/-0.156 χ^2/NDF :10136.0/16

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

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

Left: 791.398+/-0.110 χ^2/NDF : 20123.2/33

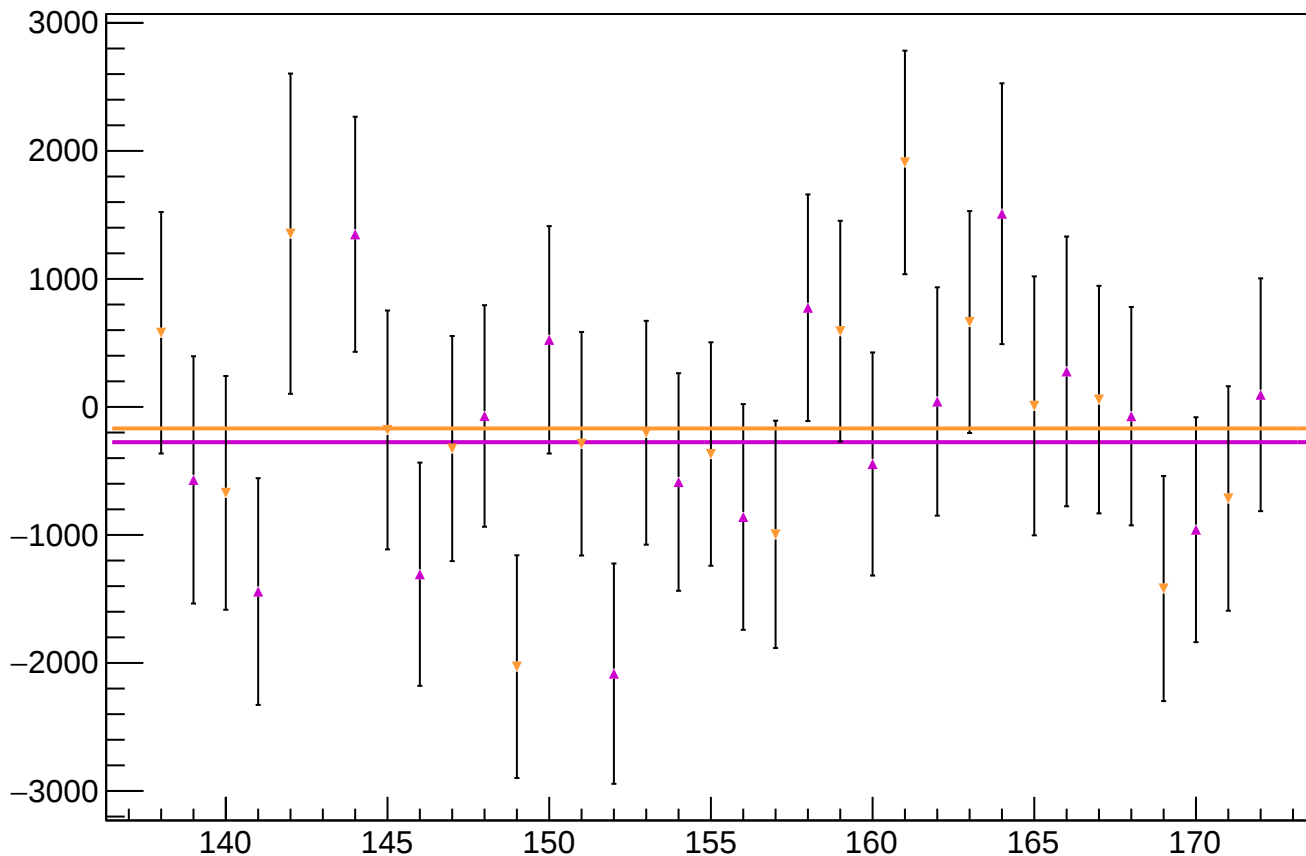
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 791.335+/-0.156 χ^2/NDF :10136.0/16

All: 791.398+/-0.110 χ^2/NDF : 20123.2/33

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

Left Out: -168.020 $\pm$ 219.524 χ^2 /NDF:17.8/16

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

Left In: -275.247 $\pm$ 217.875 χ^2 /NDF:18.0/16

Left: -222.038 $\pm$ 154.641 χ^2 /NDF: 35.9/33

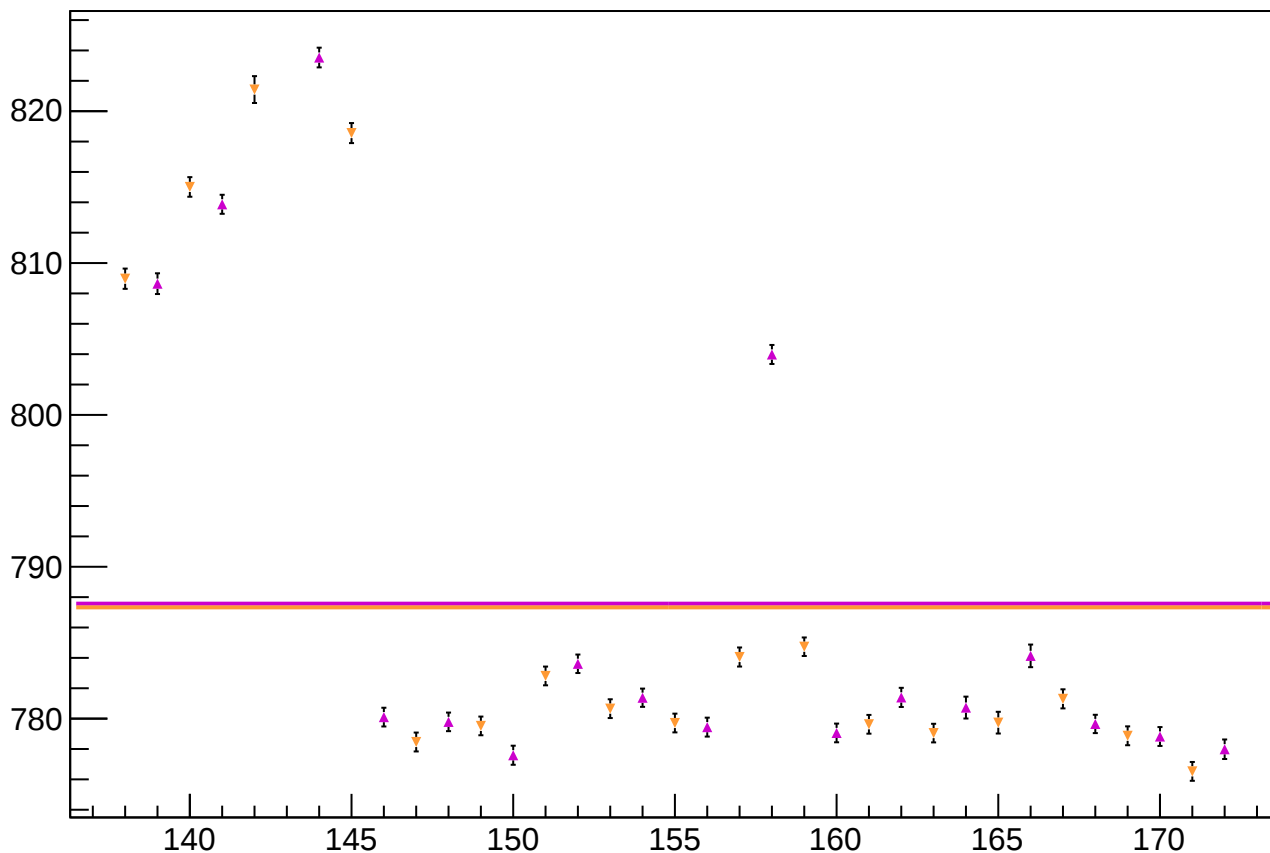
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -275.247 $\pm$ 217.875 χ^2 /NDF:18.0/16

Out: -168.020 $\pm$ 219.524 χ^2 /NDF:17.8/16

All: -222.038 $\pm$ 154.641 χ^2 /NDF: 35.9/33

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

Left Out: 787.326+/-0.155 χ^2/NDF :8381.4/16

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

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

Left: 787.449+/-0.109 χ^2/NDF : 16724.7/33

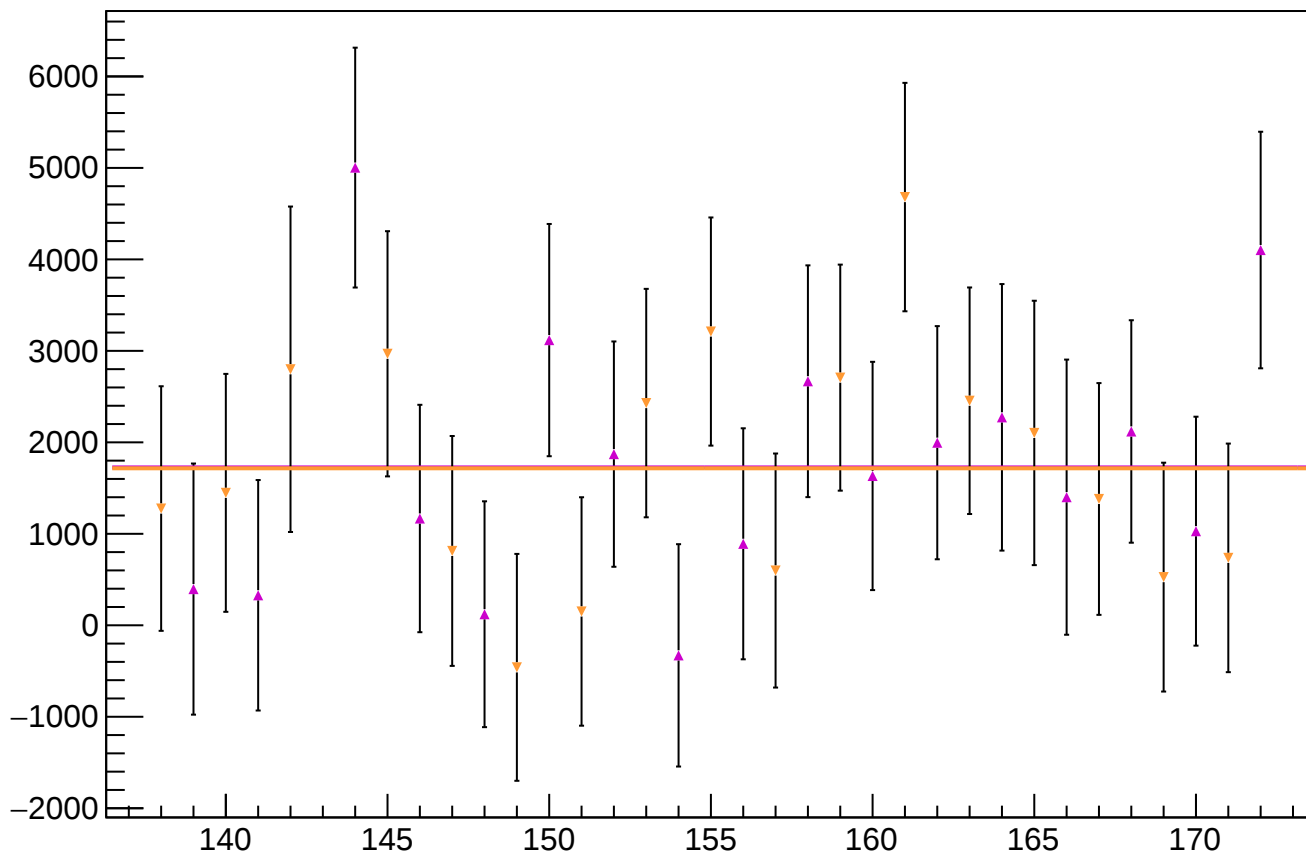
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 787.326+/-0.155 χ^2/NDF :8381.4/16

All: 787.449+/-0.109 χ^2/NDF : 16724.7/33

cor_asym_usl_mean vs Slug, Sign Corrected



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

Left Out: 1716.261+/-313.511 χ^2/NDF :17.4/16

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

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

Left: 1721.096+/-220.802 χ^2/NDF : 36.8/33

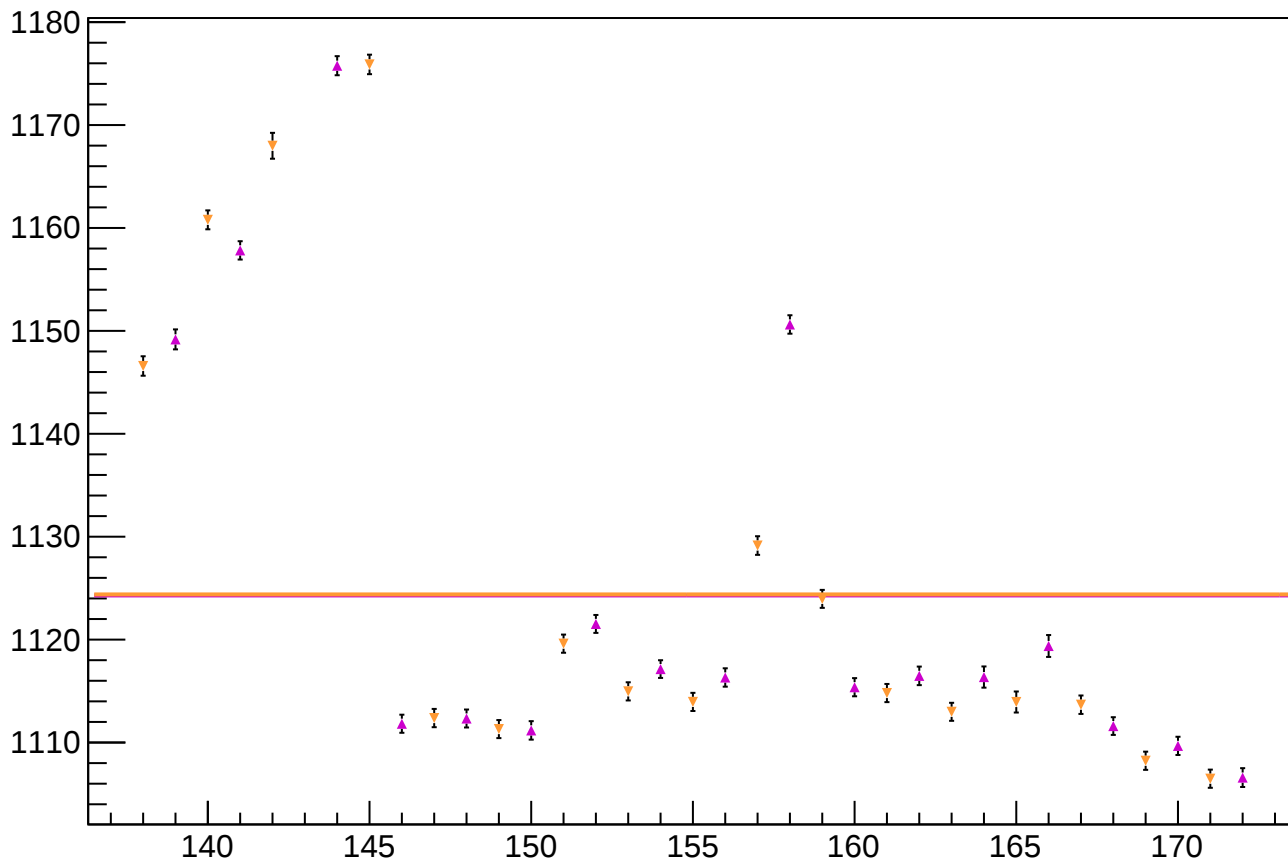
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 1716.261+/-313.511 χ^2/NDF :17.4/16

All: 1721.096+/-220.802 χ^2/NDF : 36.8/33

cor_asym_usl_rms vs Slug, Sign Corrected



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

Left Out: 1124.390+/-0.222 χ^2/NDF : 8268.7/16

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

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

Left: 1124.342+/-0.156 χ^2/NDF : 16174.3/33

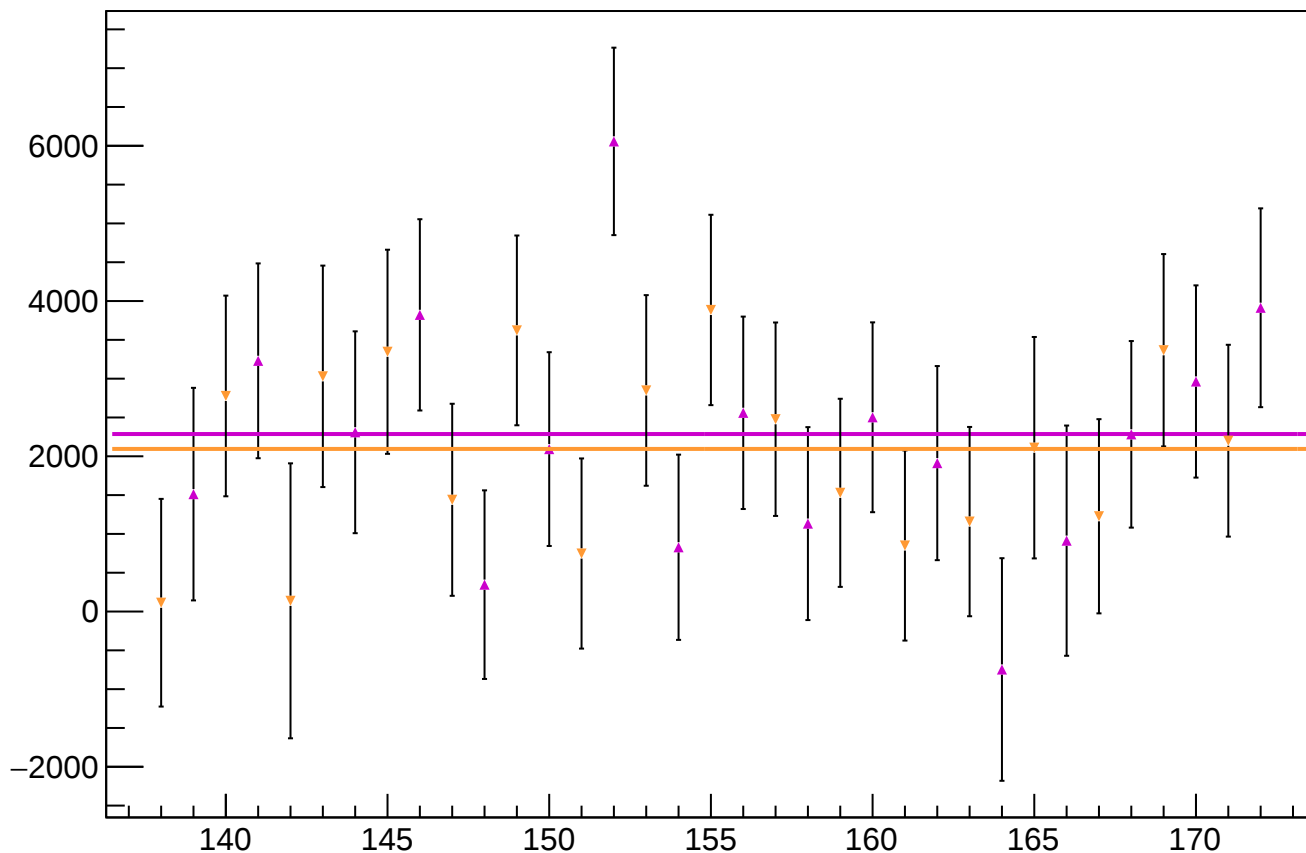
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 1124.390+/-0.222 χ^2/NDF : 8268.7/16

All: 1124.342+/-0.156 χ^2/NDF : 16174.3/33

cor_asym_usr_mean vs Slug, Sign Corrected



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

Left Out: 2094.883+/-301.995 χ^2/NDF :14.1/17

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

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

Left: 2189.299+/-215.200 χ^2/NDF : 38.8/34

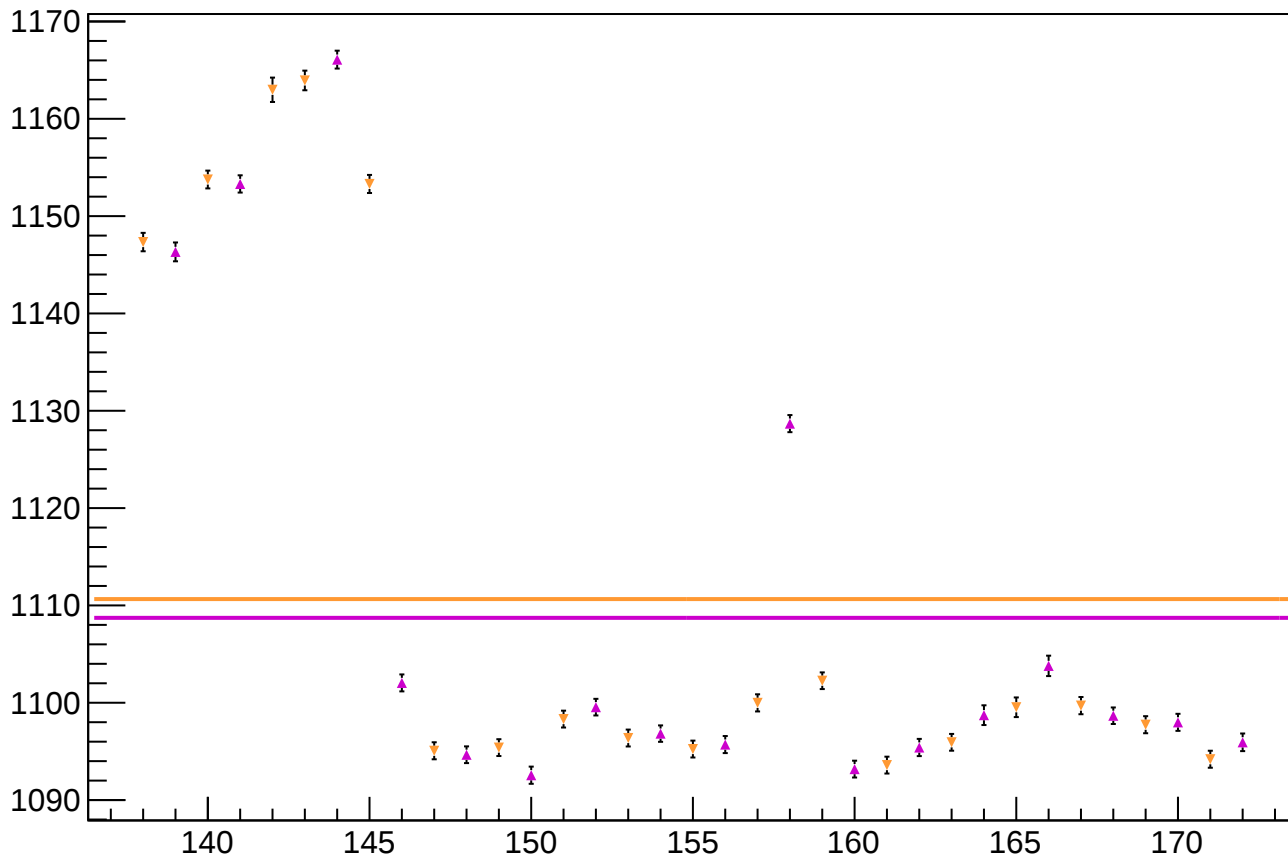
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 2094.883+/-301.995 χ^2/NDF :14.1/17

All: 2189.299+/-215.200 χ^2/NDF : 38.8/34

cor_asym_usr_rms vs Slug, Sign Corrected



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

Left Out: 1110.651+/-0.214 χ^2/NDF :13556.1/17

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

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

Left: 1109.703+/-0.152 χ^2/NDF : 24393.8/34

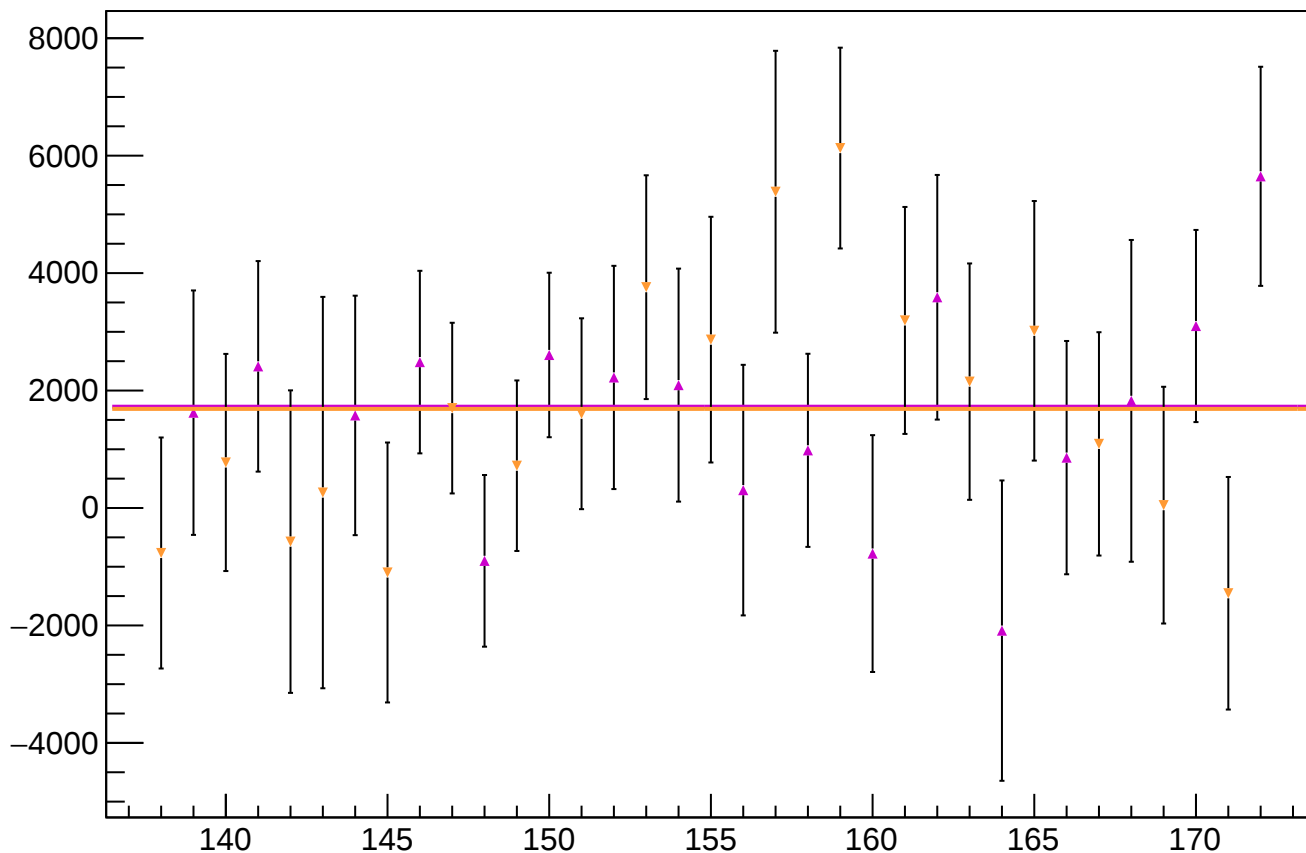
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 1110.651+/-0.214 χ^2/NDF :13556.1/17

All: 1109.703+/-0.152 χ^2/NDF : 24393.8/34

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1687.744+/-454.580 χ^2/NDF :19.7/17

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

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

Left: 1706.532+/-319.261 χ^2/NDF : 34.4/34

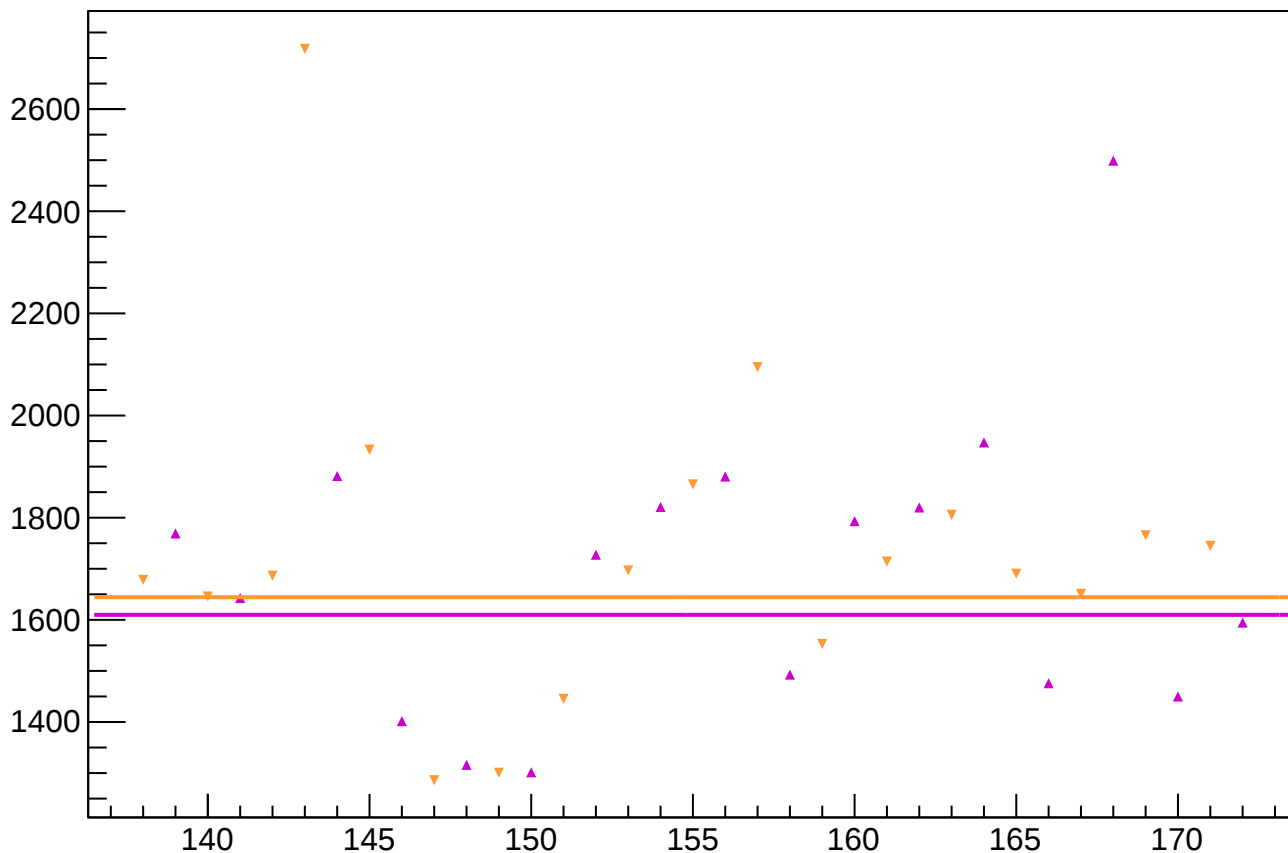
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 1687.744+/-454.580 χ^2/NDF :19.7/17

All: 1706.532+/-319.261 χ^2/NDF : 34.4/34

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1644.324+/-0.321 χ^2/NDF :635238.8/17

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

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

Left: 1626.823+/-0.226 χ^2/NDF : 1285973.6/34

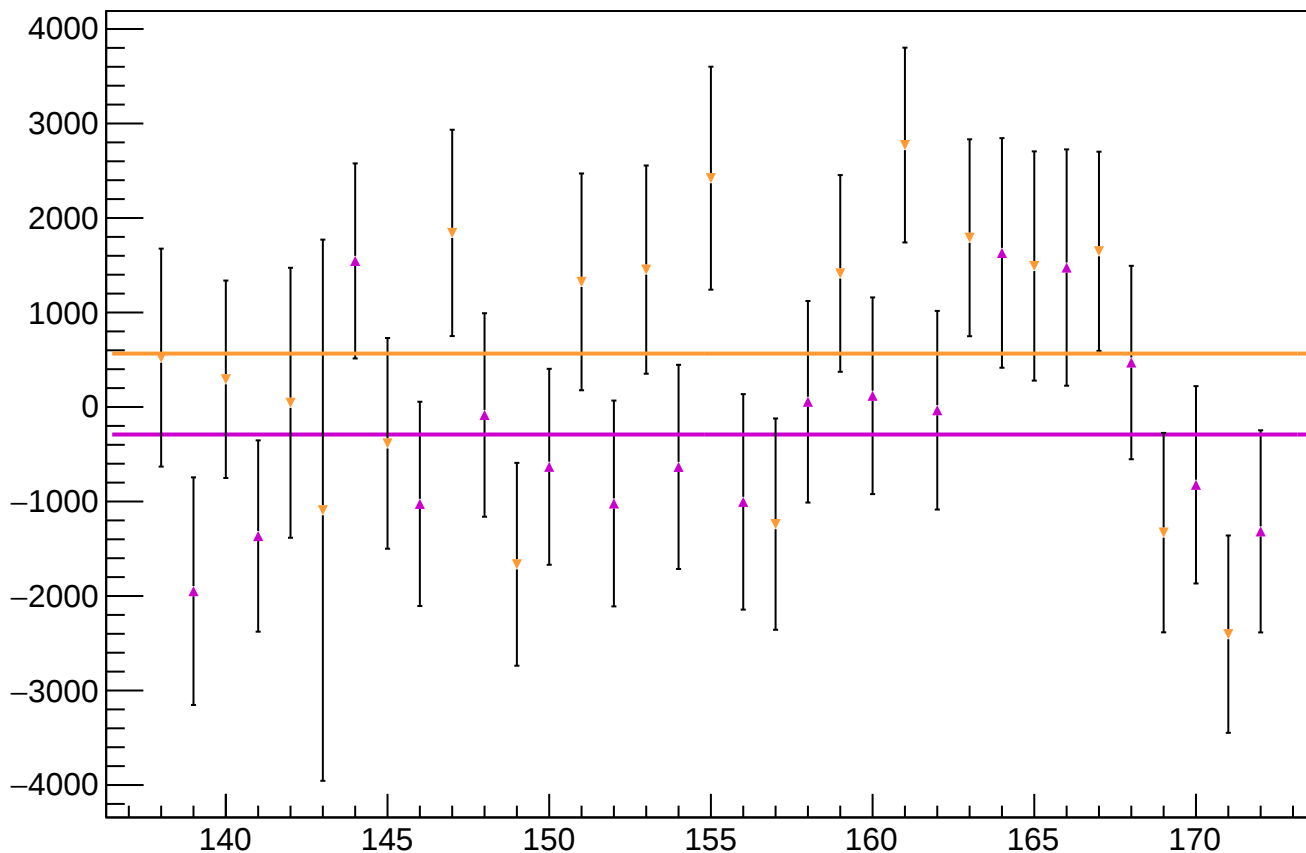
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 1644.324+/-0.321 χ^2/NDF :635238.8/17

All: 1626.823+/-0.226 χ^2/NDF : 1285973.6/34

asym_us_agg_dd_mean vs Slug, Sign Corrected



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

Left Out: 565.312+/-266.531 χ^2/NDF :32.7/17

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

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

Left: 130.809+/-187.078 χ^2/NDF : 52.2/34

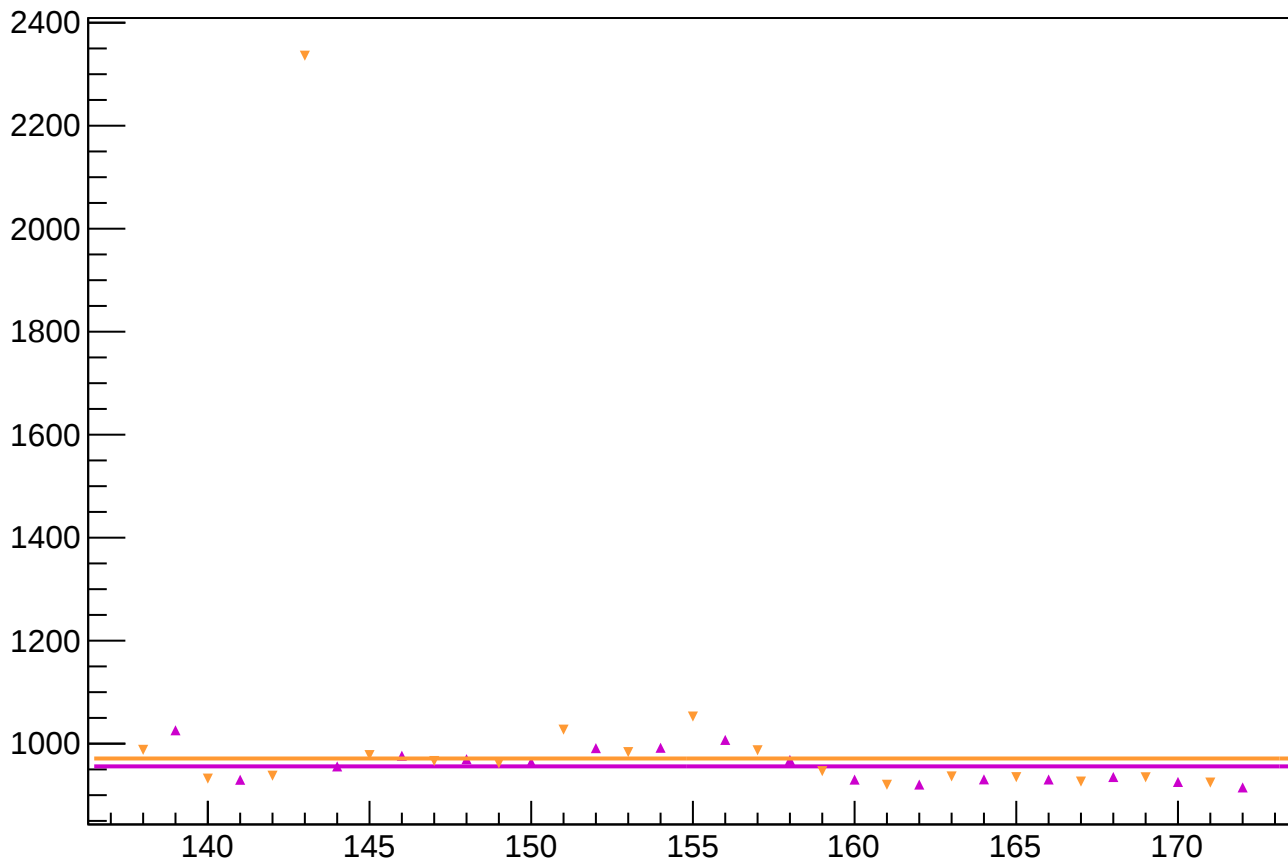
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 565.312+/-266.531 χ^2/NDF :32.7/17

All: 130.809+/-187.078 χ^2/NDF : 52.2/34

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 971.200+/-0.188 χ^2/NDF : 493992.5/17

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

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

Left: 963.434+/-0.132 χ^2/NDF : 525902.9/34

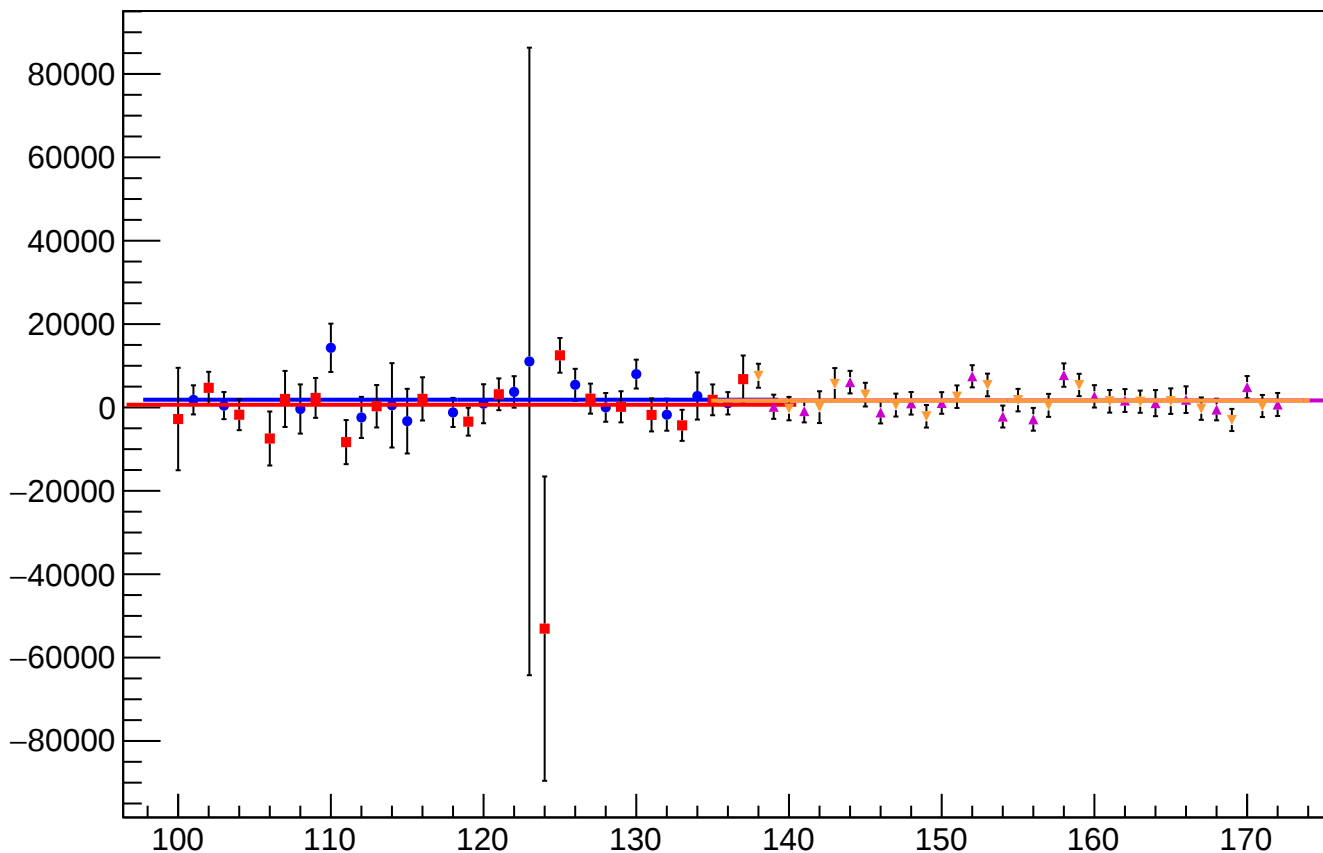
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

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

Out: 971.200+/-0.188 χ^2/NDF : 493992.5/17

All: 963.434+/-0.132 χ^2/NDF : 525902.9/34

reg_asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1646.796+/-664.915 χ^2/NDF : 16.3/17

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

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

Left: 1664.196+/-470.364 χ^2/NDF : 38.2/34

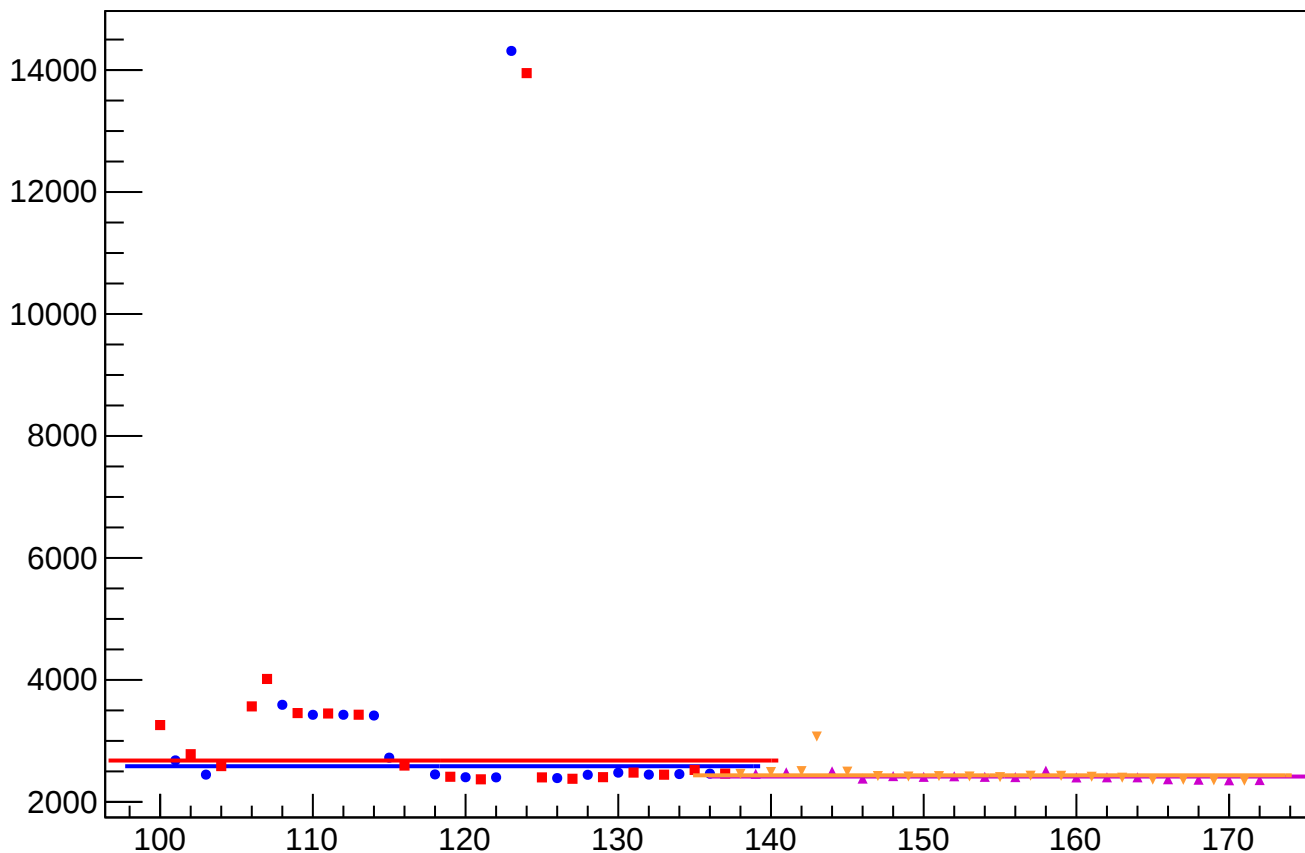
Right: 1263.106+/-720.235 χ^2/NDF : 35.3/35

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

Out: 1352.322+/-557.627 χ^2/NDF : 39.1/36

All: 1544.276+/-393.820 χ^2/NDF : 73.7/70

reg_asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2435.669+/-0.470 χ^2/NDF : 65967.0/17

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

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

Left: 2425.709+/-0.333 χ^2/NDF : 76611.1/34

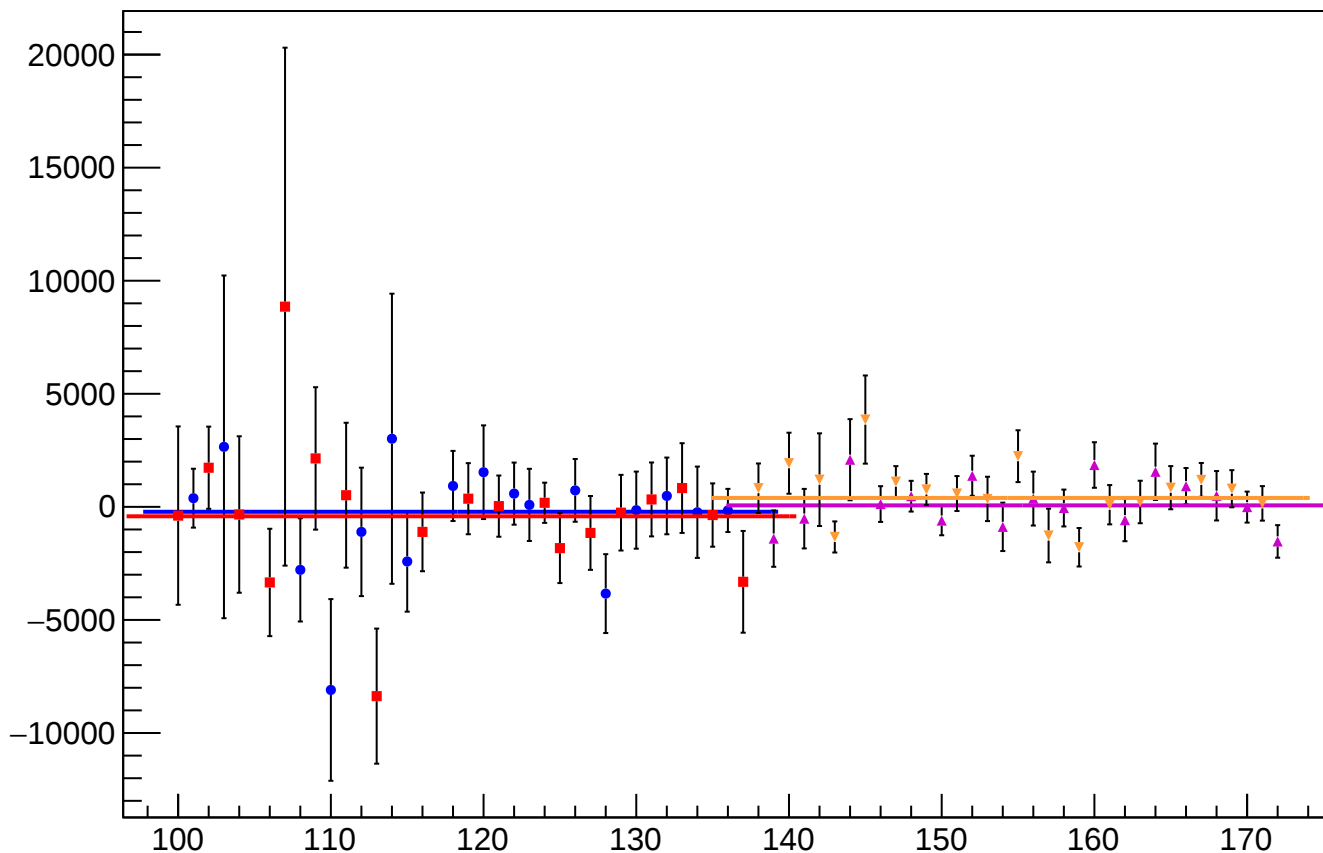
Right: 2631.050+/-0.509 χ^2/NDF : 796216.7/35

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

Out: 2507.631+/-0.394 χ^2/NDF : 677025.6/36

All: 2487.103+/-0.278 χ^2/NDF : 986789.7/70

asym_atl1_correction_mean vs Slug, Sign Corrected



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

Left Out: 394.489 $\pm$ 211.509 χ^2/NDF : 25.5/17

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

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

Left: 234.340 $\pm$ 151.431 χ^2/NDF : 45.3/34

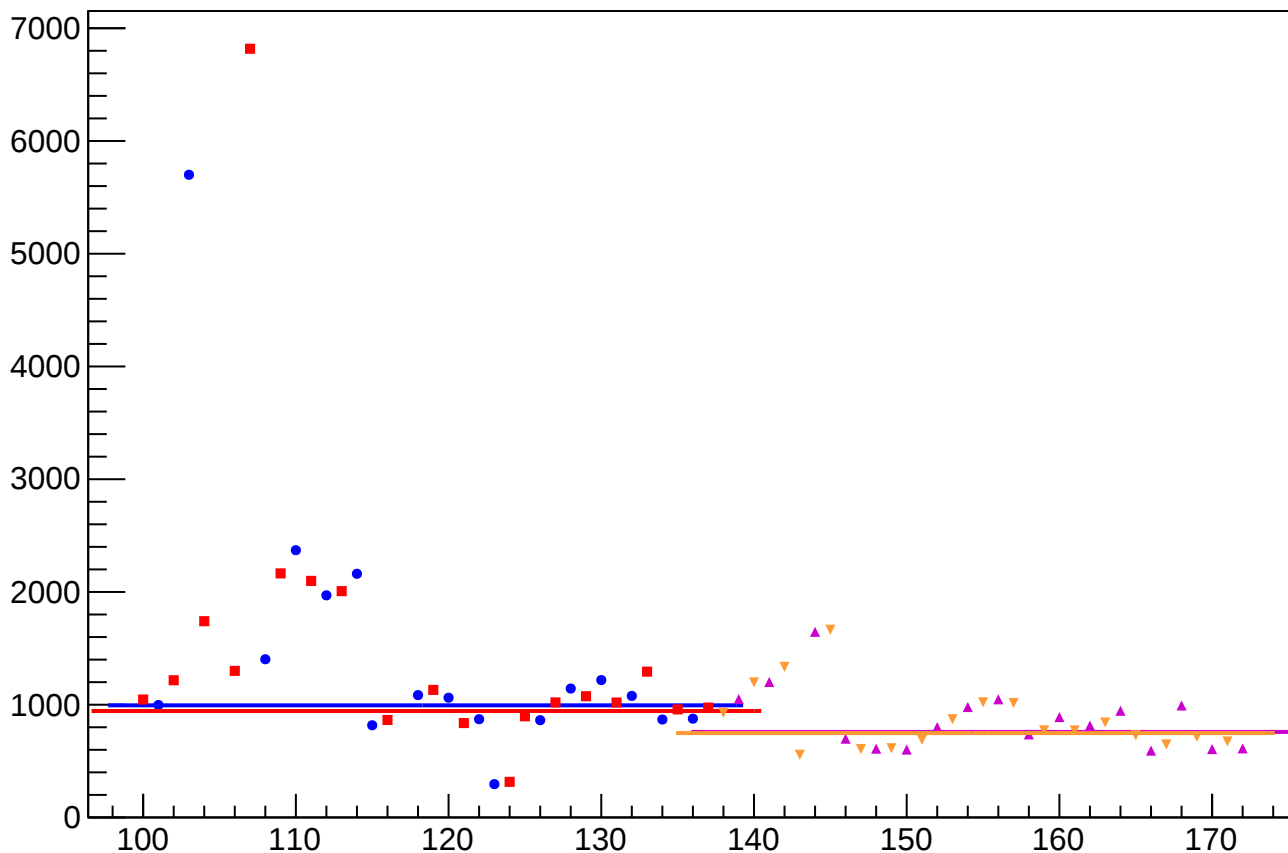
Right: -319.789 $\pm$ 293.036 χ^2/NDF : 29.2/35

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

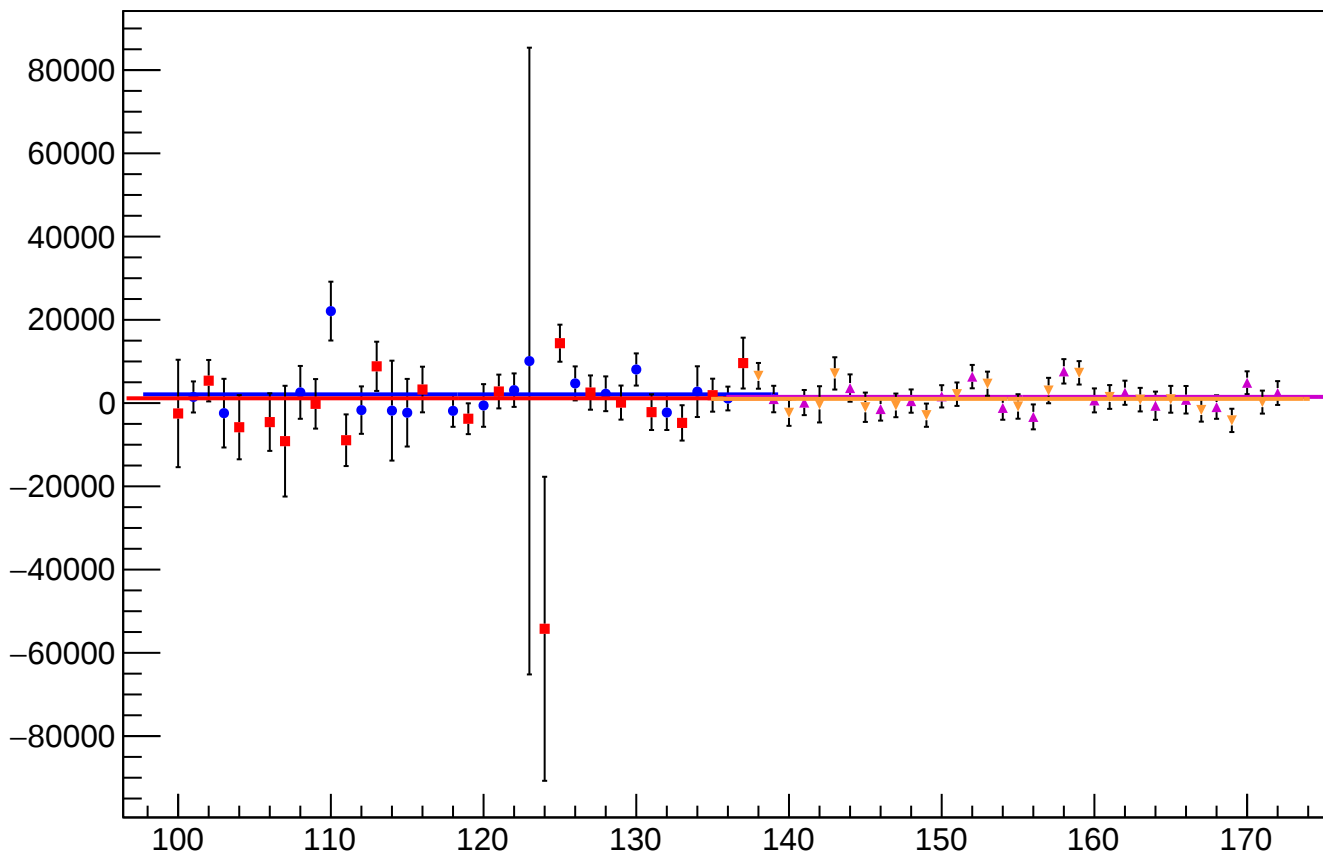
Out: 223.204 $\pm$ 187.872 χ^2/NDF : 44.3/36

All: 117.550 $\pm$ 134.530 χ^2/NDF : 77.3/70

asym_atl1_correction_rms vs Slug, Sign Corrected



asym_atl1_mean vs Slug, Sign Corrected



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

Left Out: 1015.172+/-710.415 χ^2 /NDF:21.4/17

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

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

Left: 1253.740+/-502.811 χ^2 /NDF: 37.4/34

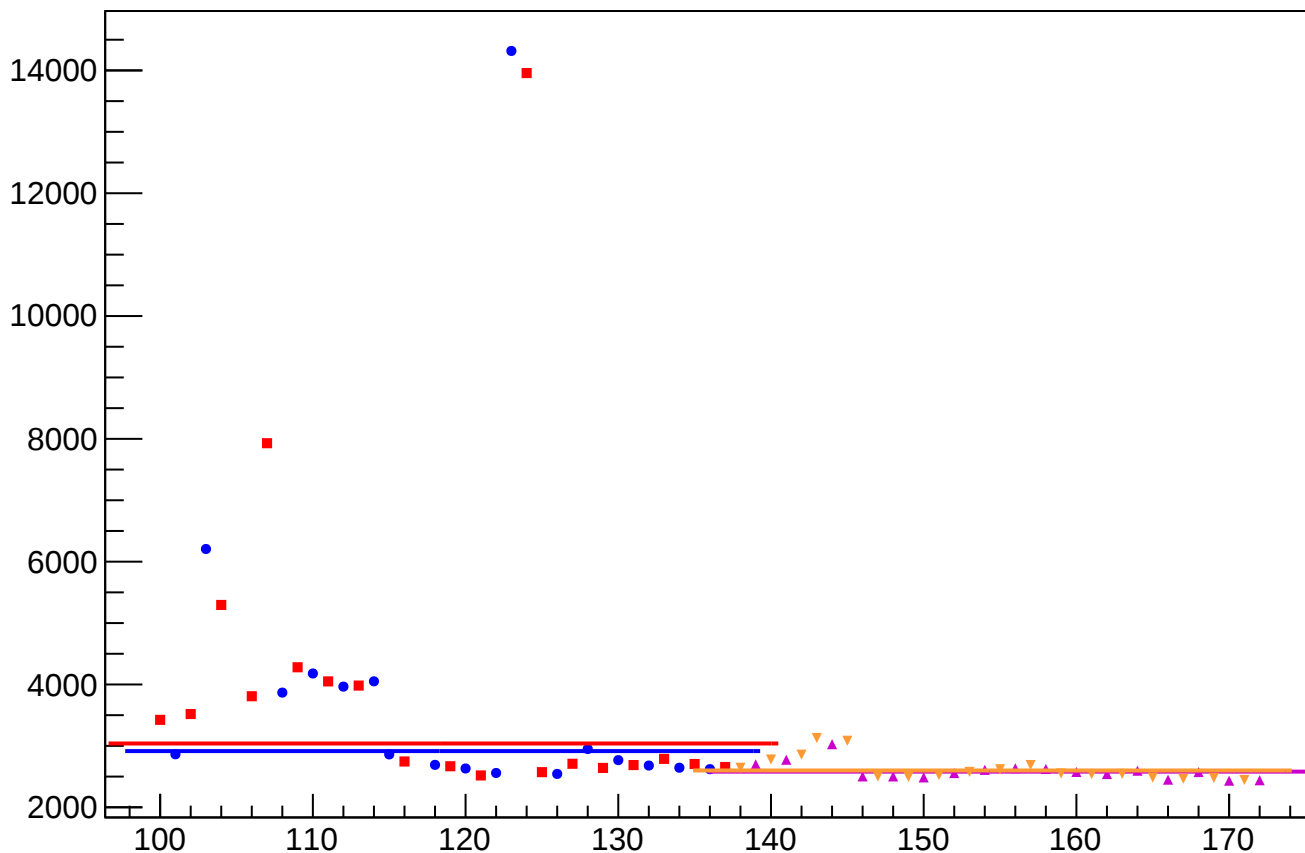
Right: 1631.633+/-829.783 χ^2 /NDF: 40.1/35

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

Out: 1050.147+/-609.581 χ^2 /NDF:46.6/36

All: 1355.230+/-430.023 χ^2 /NDF: 77.6/70

asym_atl1_rms vs Slug, Sign Corrected



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

Left Out: 2599.465+/-0.502 χ^2/NDF :116747.5/17

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

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

Left: 2590.057+/-0.356 χ^2/NDF : 186773.6/34

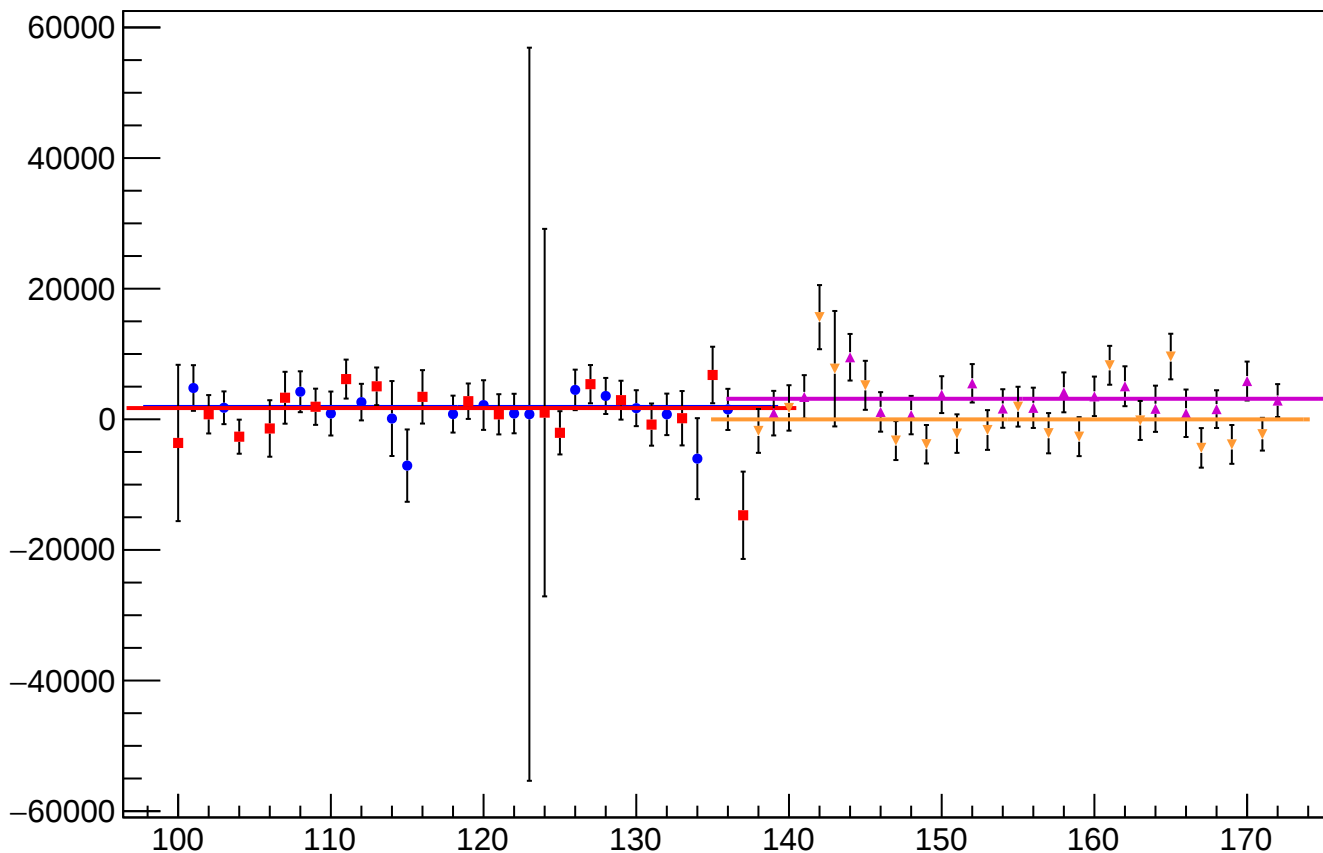
Right: 2975.767+/-0.587 χ^2/NDF : 1661668.2/35

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

Out: 2715.420+/-0.431 χ^2/NDF :1330163.7/36

All: 2693.646+/-0.304 χ^2/NDF : 2164521.4/70

reg_asym_atl2_mean vs Slug, Sign Corrected



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

Left Out: -11.238+/-753.570 χ^2/NDF : 38.6/17

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

Left In: 3142.317+/-743.333 χ^2/NDF : 8.1/16

Left: 1587.104+/-529.198 χ^2/NDF : 55.6/34

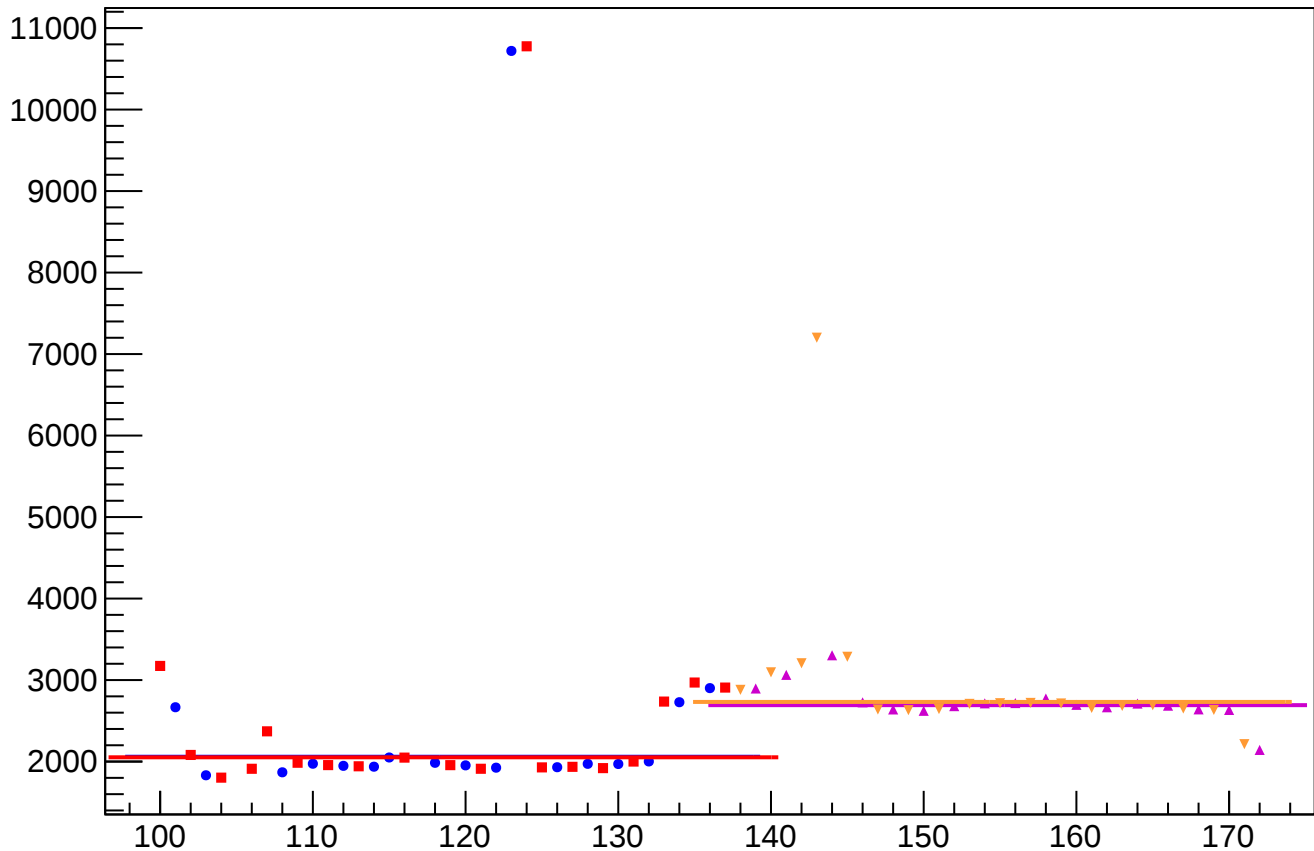
Right: 1802.263+/-566.080 χ^2/NDF : 26.2/35

In: 2570.878+/-548.112 χ^2/NDF : 16.7/33

Out: 813.010+/-545.315 χ^2/NDF : 60.1/36

All: 1687.447+/-386.581 χ^2/NDF : 82.0/70

reg_asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 2731.724+/-0.533 χ^2/NDF : 696827.0/17

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

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

Left: 2711.668+/-0.374 χ^2/NDF : 891187.0/34

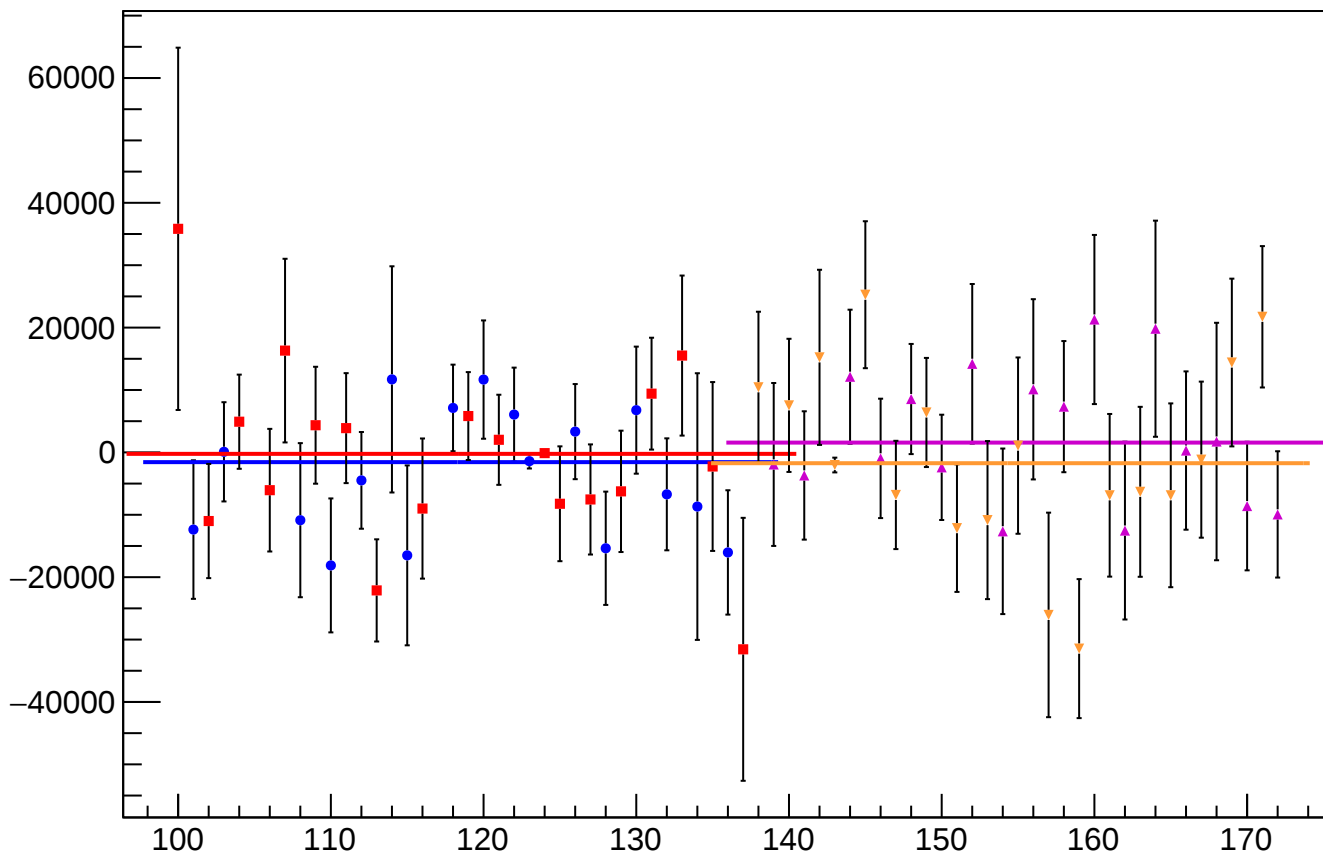
Right: 2055.522+/-0.400 χ^2/NDF : 761953.2/35

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

Out: 2408.065+/-0.386 χ^2/NDF : 1914678.4/36

All: 2405.664+/-0.273 χ^2/NDF : 3087046.1/70

asym_atl2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1733.503 $\pm$ 1092.767 χ^2/NDF : 26.8/17

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

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

Left: -1291.882 $\pm$ 1017.078 χ^2/NDF : 39.5/34

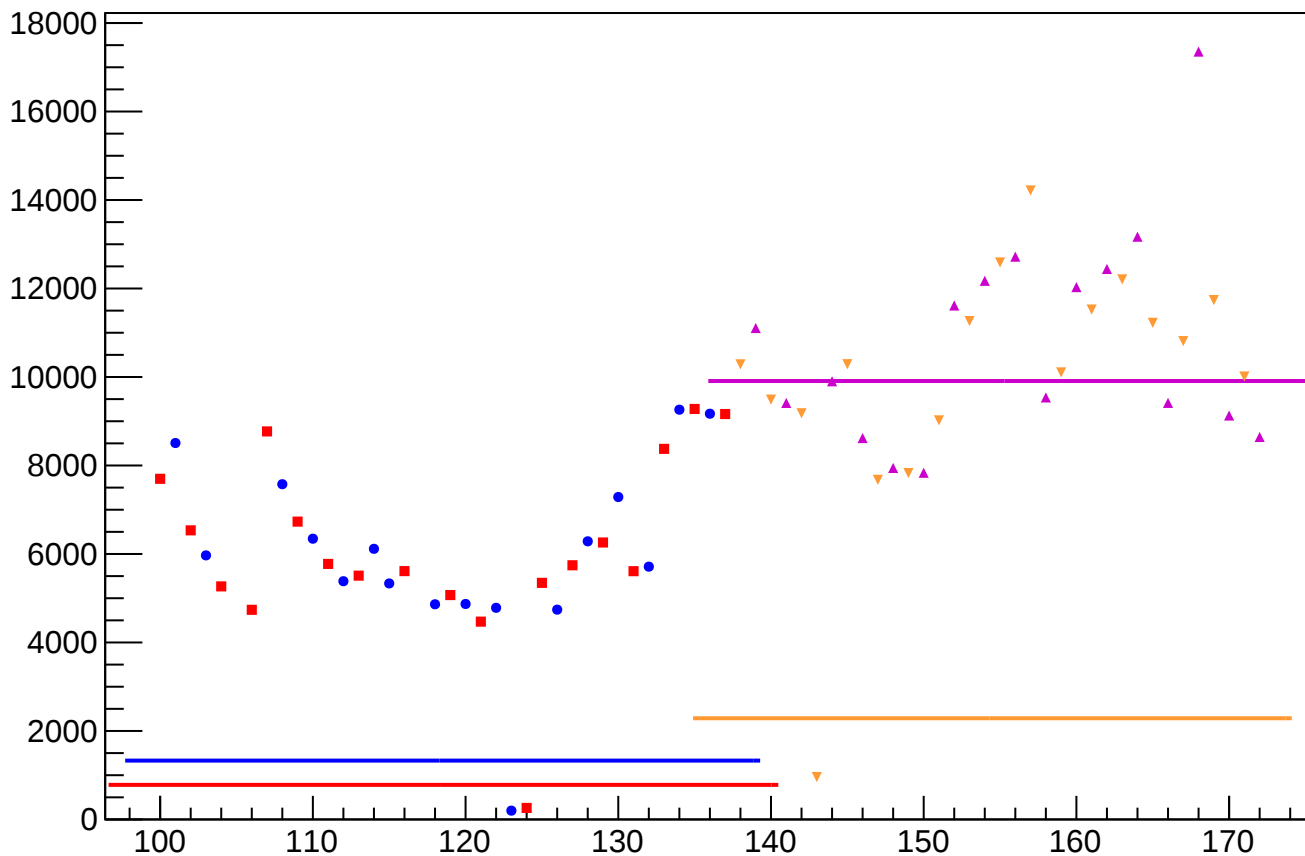
Right: -638.499 $\pm$ 580.304 χ^2/NDF : 38.1/35

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

Out: -667.571 $\pm$ 586.542 χ^2/NDF : 48.9/36

All: -798.963 $\pm$ 504.033 χ^2/NDF : 77.9/70

asym_atl2_correction_rms vs Slug, Sign Corrected



Right In: 1330.250+/-0.745

χ^2/NDF : 10046828.9/16

Left Out: 2287.216+/-0.773

χ^2/NDF : 17917417.9/17

Right Out: 781.848+/-0.492

χ^2/NDF : 11439893.7/18

Left In: 9909.004+/-1.967

χ^2/NDF : 984641.6/16

Left: 3306.467+/-0.719

χ^2/NDF : 31913140.0/34

Right: 948.102+/-0.410

χ^2/NDF : 21864055.1/35

In: 2407.465+/-0.697

χ^2/NDF : 27670202.7/33

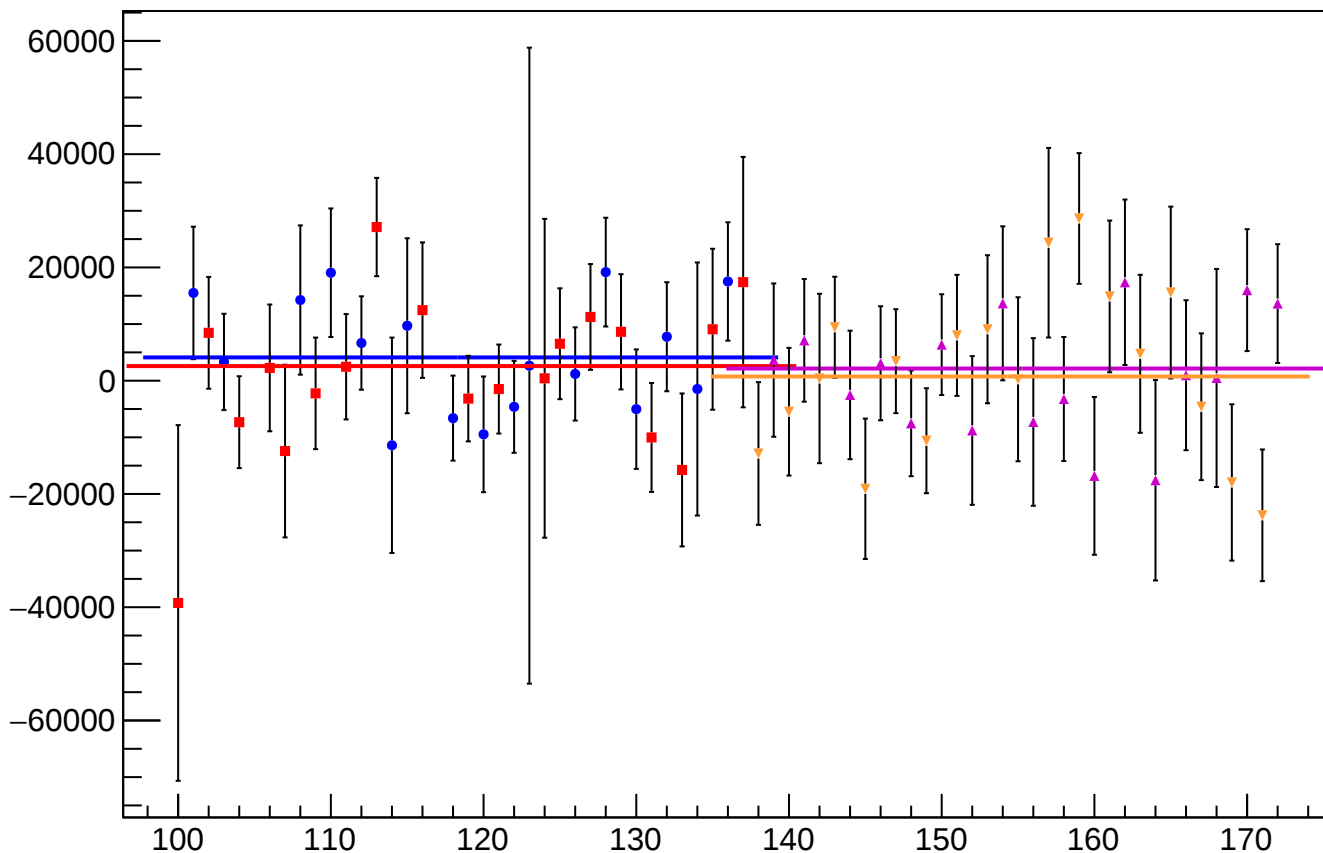
Out: 1215.544+/-0.415

χ^2/NDF : 32059276.5/36

All: 1527.292+/-0.356

χ^2/NDF : 61889624.4/71

asym_atl2_mean vs Slug, Sign Corrected



Right In: 4111.784 $\pm$ 2534.444 χ^2/NDF : 14.3/16

Left Out: 744.742 $\pm$ 2824.472 χ^2/NDF : 23.9/17

Right Out: 2577.719 $\pm$ 2420.480 χ^2/NDF : 20.0/18

Left In: 2148.987 $\pm$ 2898.929 χ^2/NDF : 10.8/16

Left: 1428.600 $\pm$ 2023.014 χ^2/NDF : 34.8/34

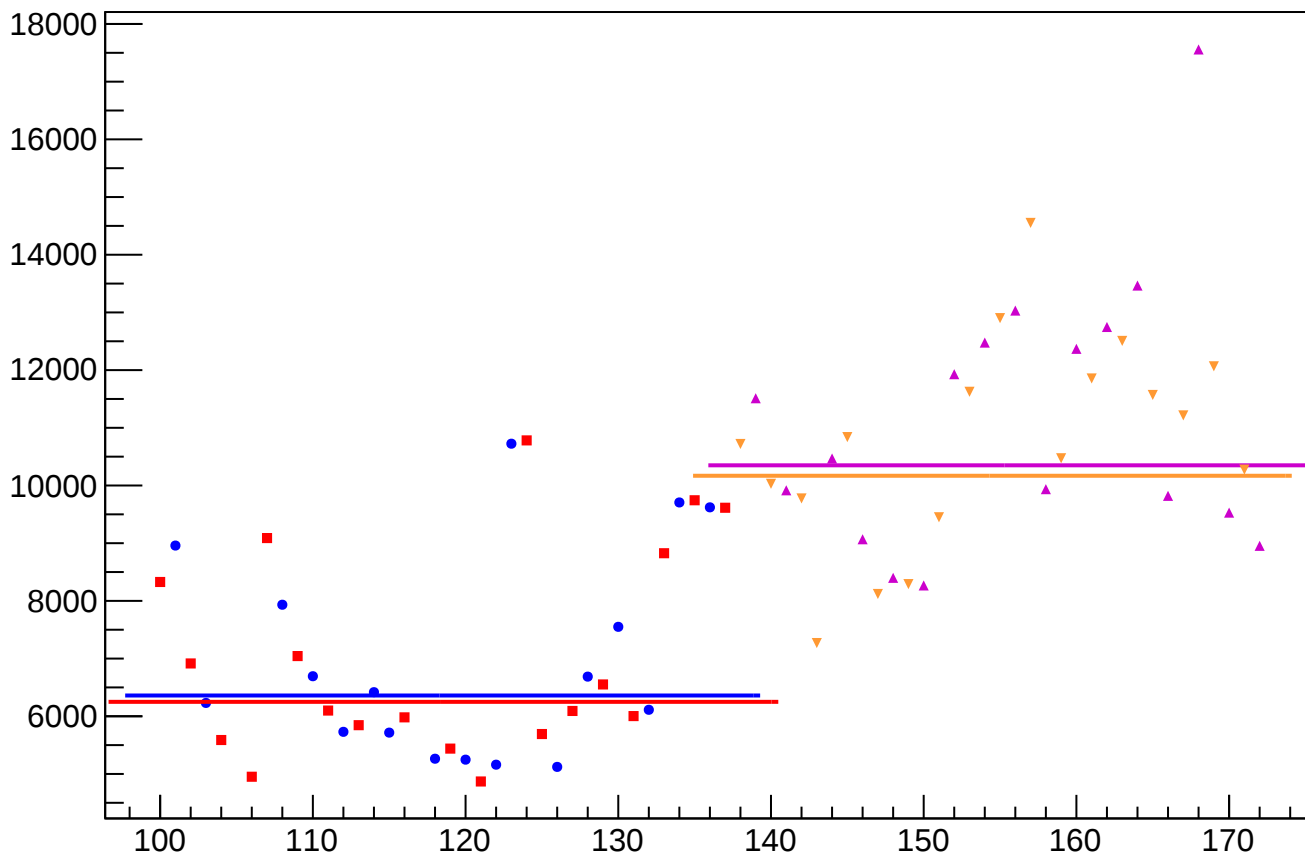
Right: 3309.487 $\pm$ 1750.441 χ^2/NDF : 34.5/35

In: 3261.466 $\pm$ 1908.054 χ^2/NDF : 25.4/33

Out: 1801.583 $\pm$ 1837.925 χ^2/NDF : 44.1/36

All: 2504.203 $\pm$ 1323.708 χ^2/NDF : 69.8/70

asym_atl2_rms vs Slug, Sign Corrected



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

Left Out: 10168.843+/-1.997 χ^2/NDF : 803928.8/17

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

Left In: 10349.889+/-2.050 χ^2/NDF : 882311.3/16

Left: 10257.011+/-1.430 χ^2/NDF : 1690241.9/34

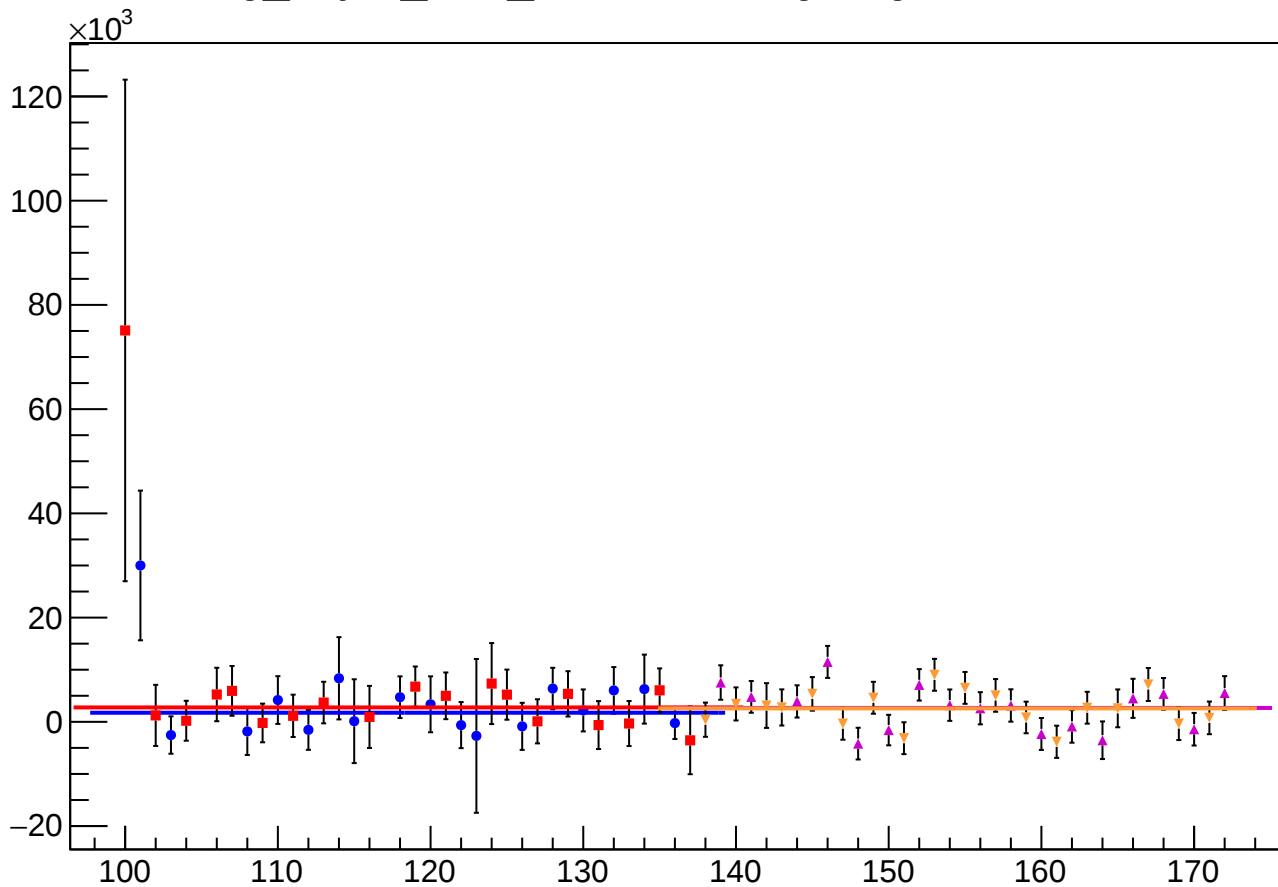
Right: 6302.460+/-1.238 χ^2/NDF : 1115403.3/35

In: 8088.441+/-1.349 χ^2/NDF : 3610167.4/33

Out: 7909.293+/-1.300 χ^2/NDF : 3556776.3/36

All: 7995.512+/-0.936 χ^2/NDF : 7176089.3/70

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 1746.001 ± 1128.522 χ^2/NDF : 12.2/16

Left Out: 2576.734 ± 754.199 χ^2/NDF : 20.7/17

Right Out: 2763.863 ± 1071.947 χ^2/NDF : 9.7/18

Left In: 2666.579 ± 761.367 χ^2/NDF : 30.9/16

Left: 2621.232 ± 535.816 χ^2/NDF : 51.6/34

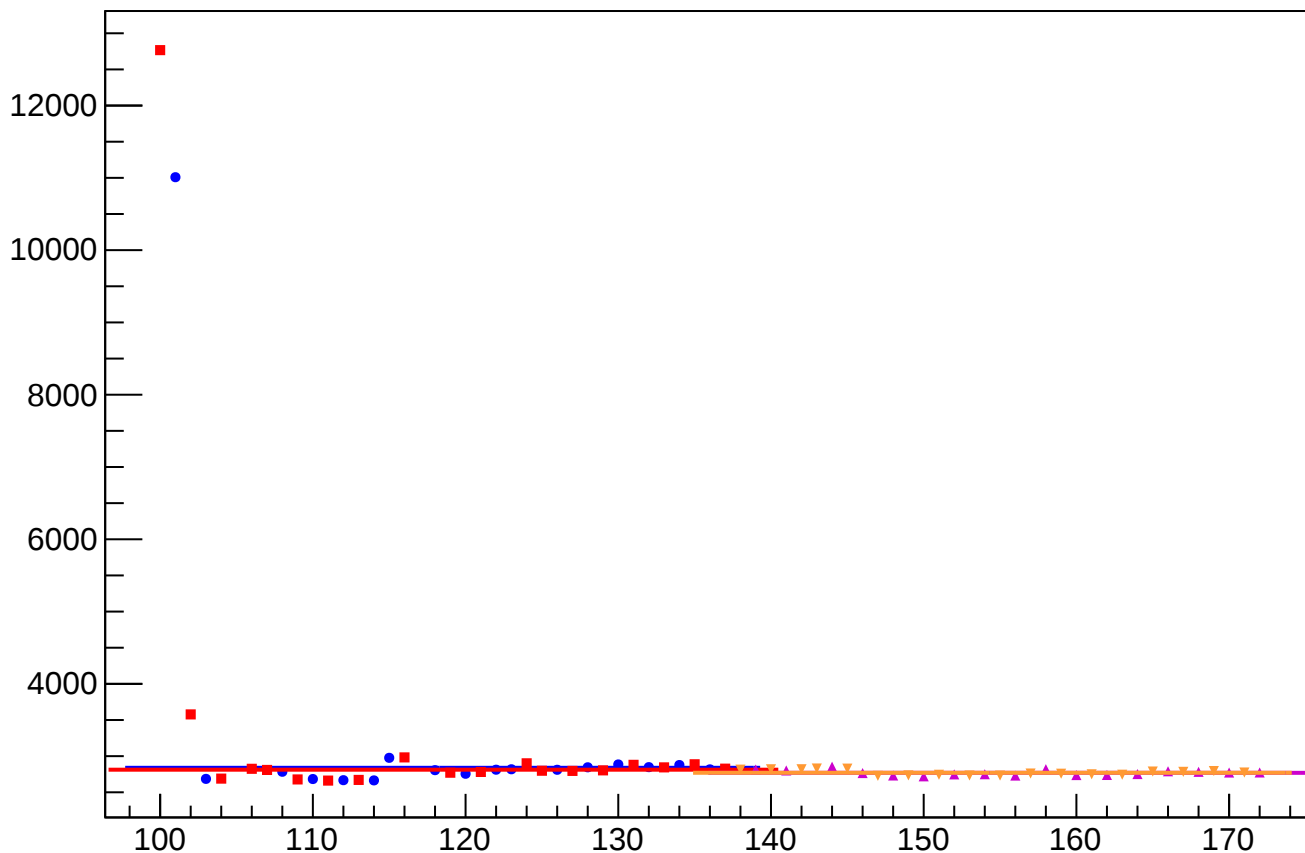
Right: 2281.084 ± 777.212 χ^2/NDF : 22.3/35

In: 2378.629 ± 631.158 χ^2/NDF : 43.6/33

Out: 2638.695 ± 616.825 χ^2/NDF : 30.5/36

All: 2511.649 ± 441.141 χ^2/NDF : 74.1/70

reg_asym_atr1_rms vs Slug, Sign Corrected



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

Left Out: 2770.086+/-0.533 χ^2 /NDF:4220.6/17

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

Left In: 2769.221+/-0.538 χ^2 /NDF:4529.7/16

Left: 2769.658+/-0.379 χ^2 /NDF: 8751.7/34

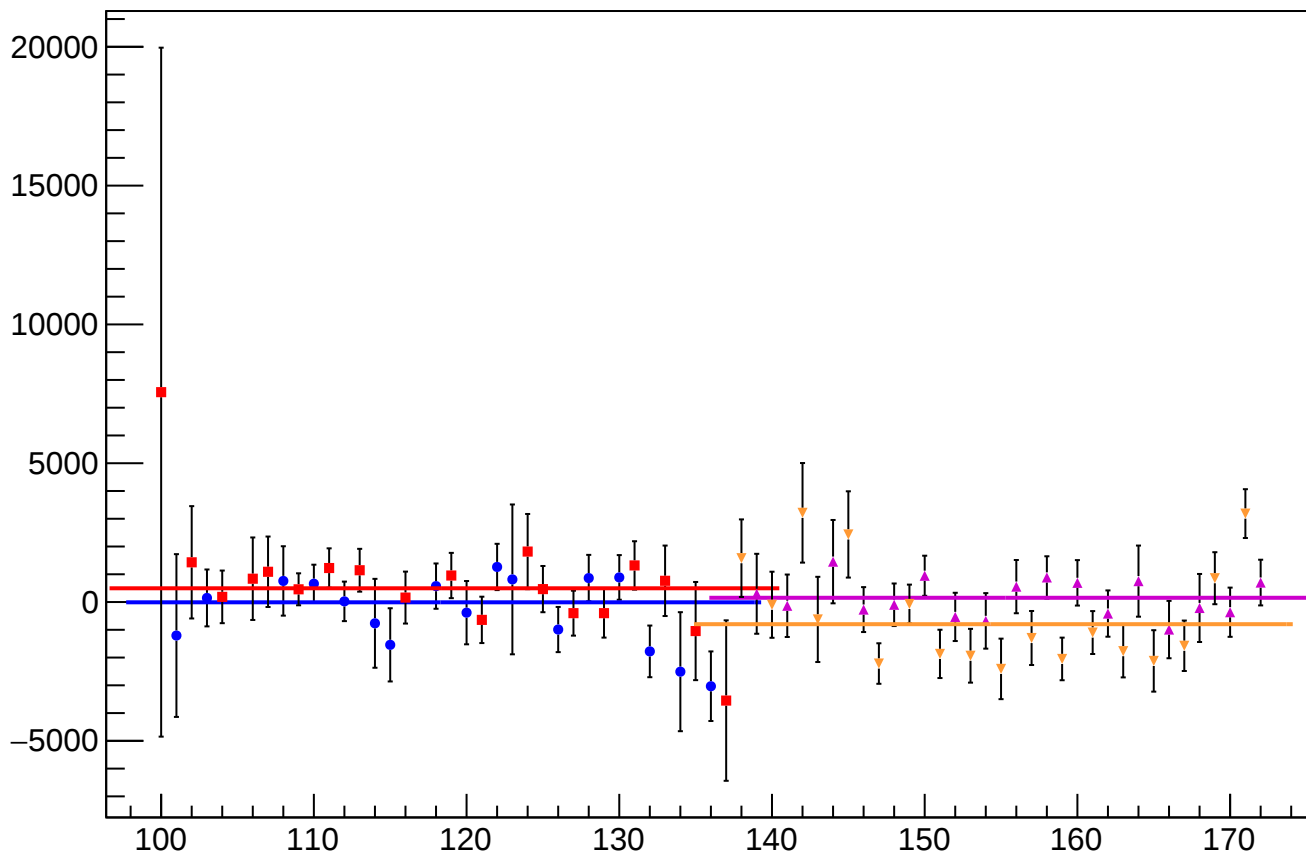
Right: 2825.011+/-0.550 χ^2 /NDF: 793836.1/35

In: 2790.965+/-0.446 χ^2 /NDF:669954.2/33

Out: 2784.172+/-0.436 χ^2 /NDF:139391.6/36

All: 2787.491+/-0.312 χ^2 /NDF: 809464.3/70

asym_atr1_correction_mean vs Slug, Sign Corrected



Right In: -9.845 ± 241.678 χ^2/NDF : 20.7/16

Left Out: -797.837 ± 226.200 χ^2/NDF : 52.5/17

Right Out: 495.250 ± 221.487 χ^2/NDF : 11.9/18

Left In: 153.261 ± 224.231 χ^2/NDF : 8.1/16

Left: -318.132 ± 159.247 χ^2/NDF : 69.4/34

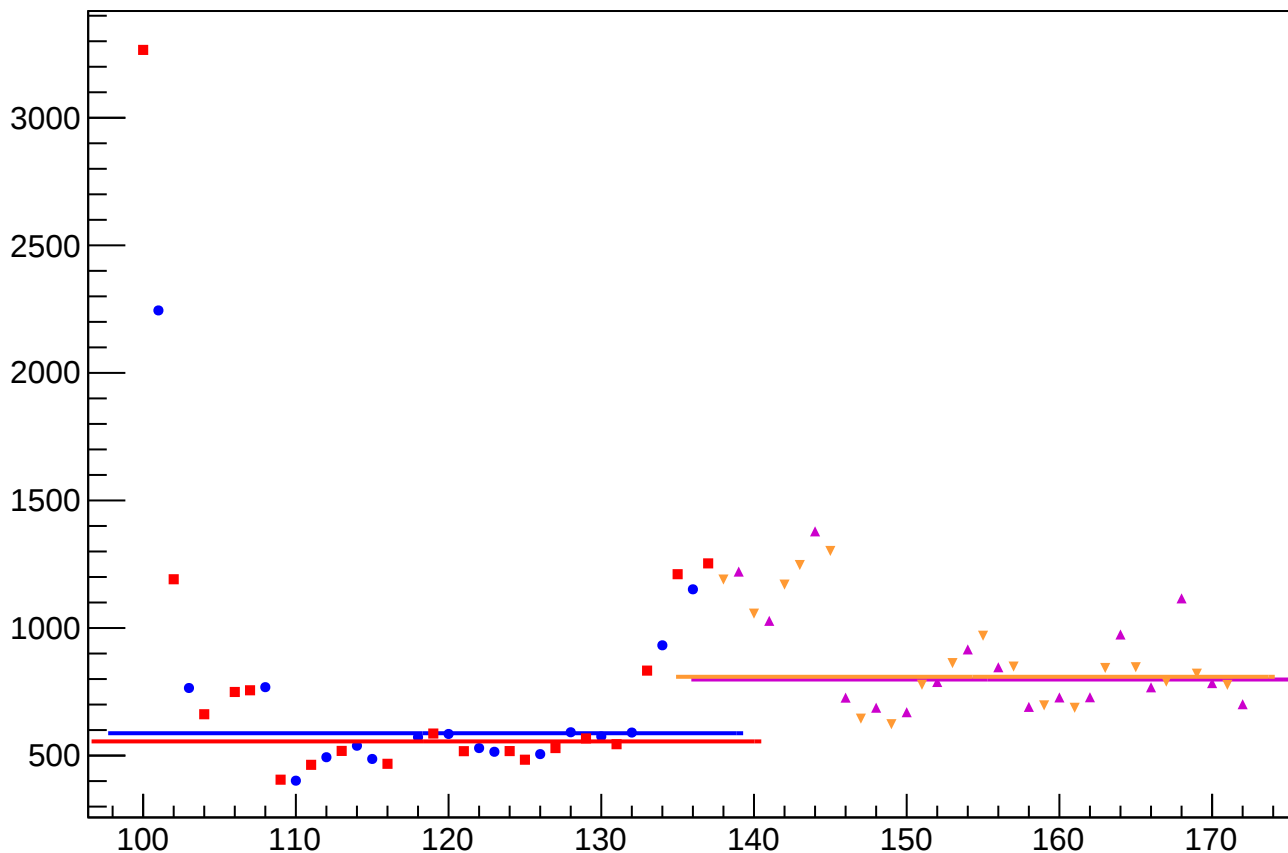
Right: 264.680 ± 163.287 χ^2/NDF : 35.0/35

In: 77.807 ± 164.378 χ^2/NDF : 29.0/33

Out: -137.683 ± 158.255 χ^2/NDF : 81.0/36

All: -34.026 ± 114.006 χ^2/NDF : 110.9/70

asym_atr1_correction_rms vs Slug, Sign Corrected



Right In: 587.596+/-0.171 χ^2/NDF : 1425769.6/16

Left Out: 808.853+/-0.160 χ^2/NDF :1081013.2/17

Right Out: 555.534+/-0.157 χ^2/NDF : 1106760.5/18

Left In: 798.145+/-0.159 χ^2/NDF :979417.0/16

Left: 803.452+/-0.113 χ^2/NDF : 2062691.0/34

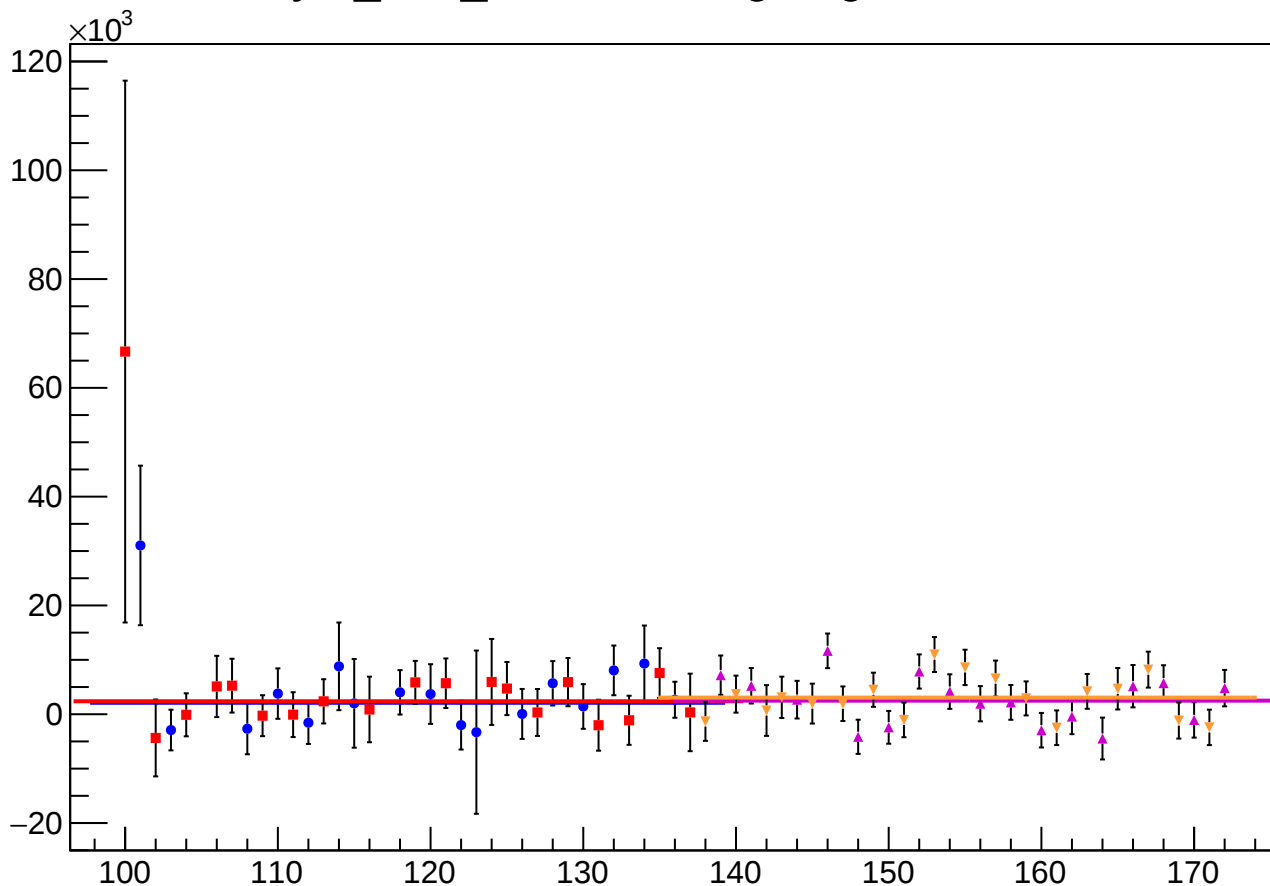
Right: 570.170+/-0.115 χ^2/NDF : 2551661.9/35

In: 700.744+/-0.116 χ^2/NDF :3220928.2/33

Out: 679.527+/-0.112 χ^2/NDF :3468336.6/36

All: 689.733+/-0.081 χ^2/NDF : 6706556.6/70

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2108.498 $\pm$ 1164.336 χ^2 /NDF: 13.5/16

Left Out: 3059.153 $\pm$ 795.457 χ^2 /NDF: 24.2/17

Right Out: 2385.851 $\pm$ 1110.248 χ^2 /NDF: 9.9/18

Left In: 2497.718 $\pm$ 800.079 χ^2 /NDF: 31.1/16

Left: 2780.062 $\pm$ 564.100 χ^2 /NDF: 55.6/34

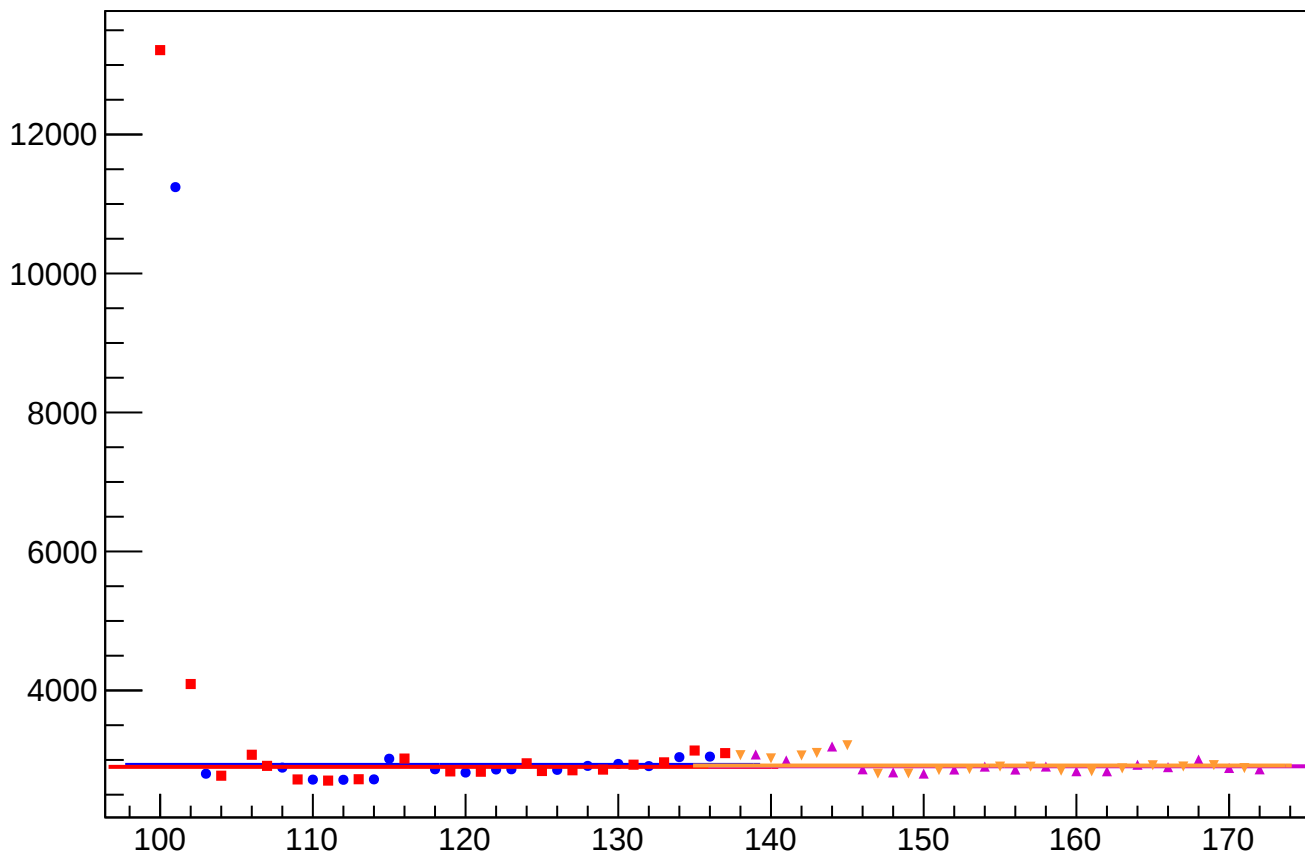
Right: 2253.766 $\pm$ 803.505 χ^2 /NDF: 23.4/35

In: 2372.881 $\pm$ 659.405 χ^2 /NDF: 44.7/33

Out: 2830.766 $\pm$ 646.622 χ^2 /NDF: 34.3/36

All: 2606.305 $\pm$ 461.684 χ^2 /NDF: 79.3/70

asym_atr1_rms vs Slug, Sign Corrected



Right In: 2928.700 $\pm$ 0.823 χ^2 /NDF: 662362.9/16

Left Out: 2919.605 $\pm$ 0.562 χ^2 /NDF: 34221.6/17

Right Out: 2900.472 $\pm$ 0.785 χ^2 /NDF: 169720.6/18

Left In: 2908.663 $\pm$ 0.566 χ^2 /NDF: 28781.0/16

Left: 2914.166 $\pm$ 0.399 χ^2 /NDF: 63190.7/34

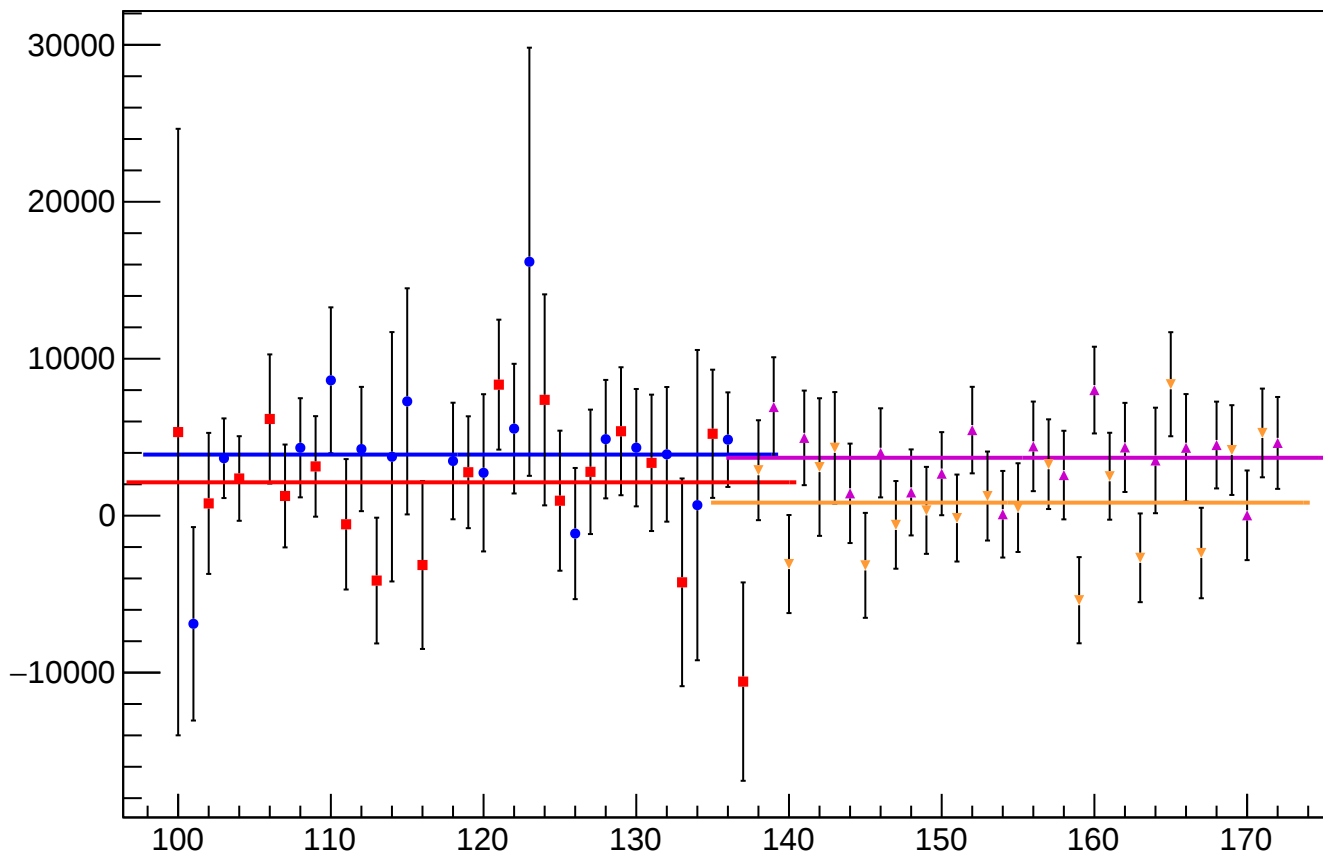
Right: 2913.915 $\pm$ 0.568 χ^2 /NDF: 832699.2/35

In: 2915.090 $\pm$ 0.466 χ^2 /NDF: 691546.2/33

Out: 2913.115 $\pm$ 0.457 χ^2 /NDF: 204334.7/36

All: 2914.083 $\pm$ 0.326 χ^2 /NDF: 895890.0/70

reg_asym_atr2_mean vs Slug, Sign Corrected



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

Left Out: 829.908+/-701.961 χ^2/NDF : 23.1/17

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

Left In: 3688.693+/-703.747 χ^2/NDF : 9.2/16

Left: 2255.670+/-496.992 χ^2/NDF : 40.6/34

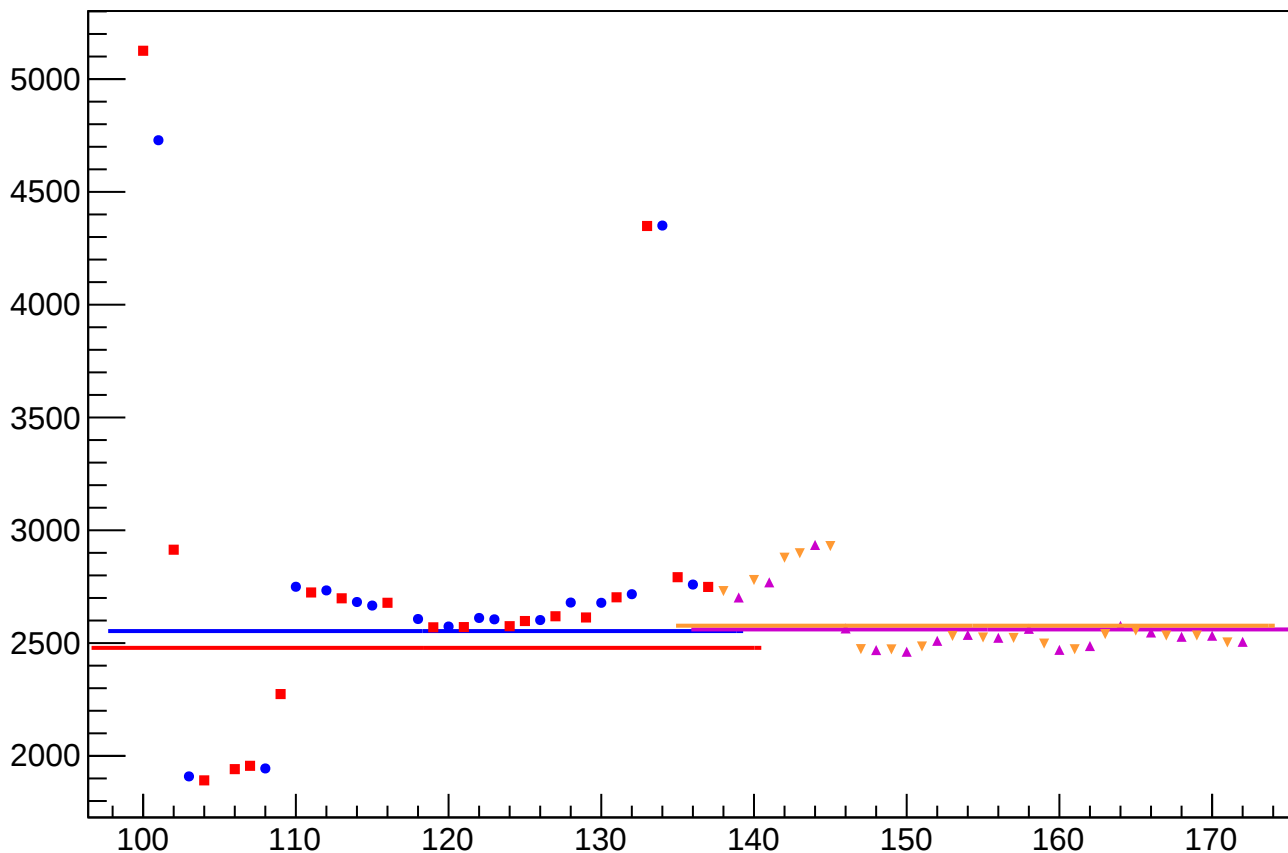
Right: 2960.811+/-695.784 χ^2/NDF : 23.1/35

In: 3755.152+/-577.725 χ^2/NDF : 16.4/33

Out: 1281.975+/-566.313 χ^2/NDF : 38.7/36

All: 2493.895+/-404.418 χ^2/NDF : 64.4/70

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2553.280 $\pm$ 0.715 χ^2 /NDF: 545226.9/16

Left Out: 2577.152 $\pm$ 0.496 χ^2 /NDF: 78136.7/17

Right Out: 2478.860 $\pm$ 0.678 χ^2 /NDF: 449502.6/18

Left In: 2560.500 $\pm$ 0.498 χ^2 /NDF: 52455.5/16

Left: 2568.847 $\pm$ 0.351 χ^2 /NDF: 131153.5/34

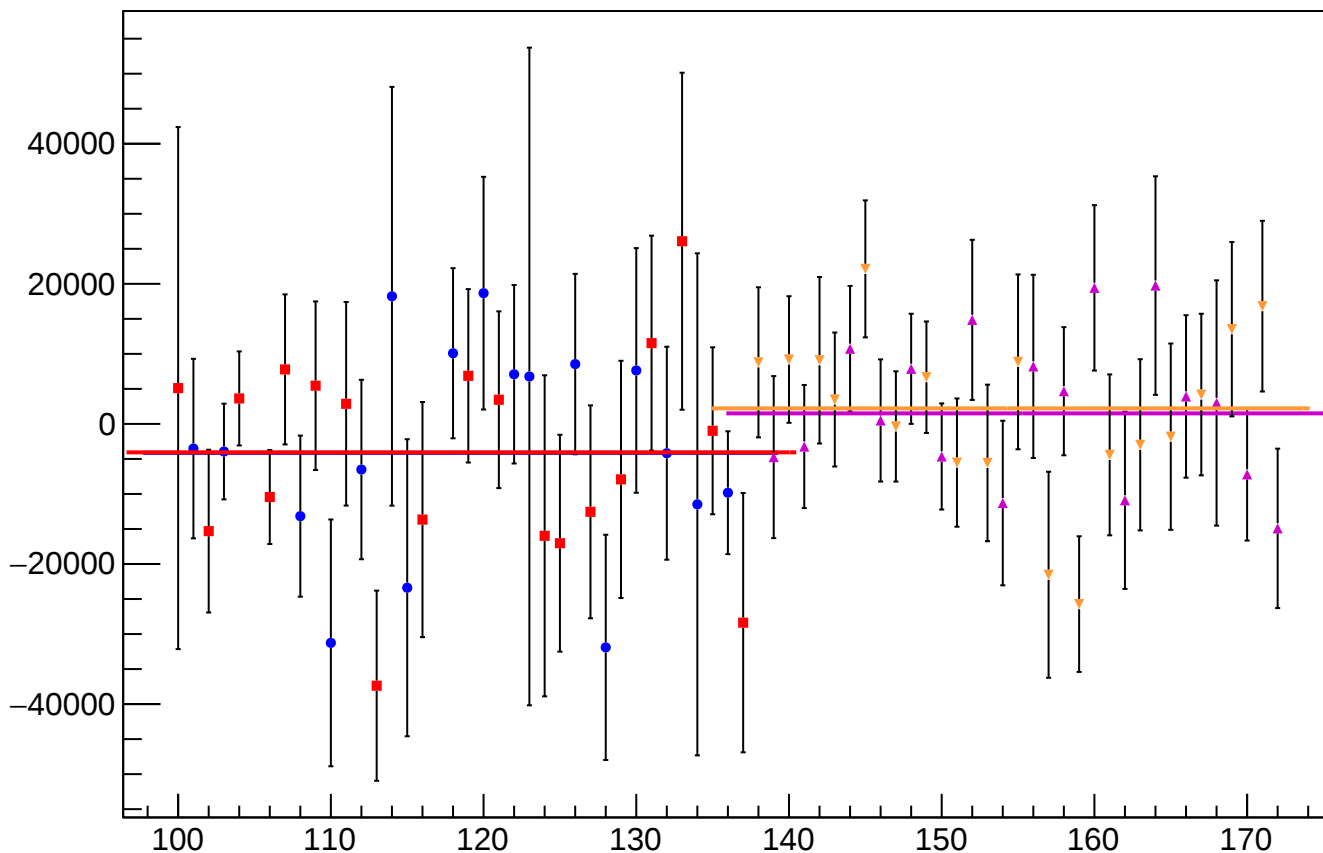
Right: 2514.058 $\pm$ 0.492 χ^2 /NDF: 1000433.0/35

In: 2558.146 $\pm$ 0.409 χ^2 /NDF: 597751.1/33

Out: 2542.834 $\pm$ 0.400 χ^2 /NDF: 541330.6/36

All: 2550.337 $\pm$ 0.286 χ^2 /NDF: 1139798.2/70

asym_atr2_correction_mean vs Slug, Sign Corrected



Right In: -4126.319 ± 3227.044 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 2220.773 ± 2472.083 $\chi^2/\text{NDF}: 21.2/17$

Right Out: -4060.328 ± 2834.326 $\chi^2/\text{NDF}: 18.5/18$

Left In: 1506.136 ± 2504.327 $\chi^2/\text{NDF}: 13.5/16$

Left: 1868.085 ± 1759.316 $\chi^2/\text{NDF}: 34.8/34$

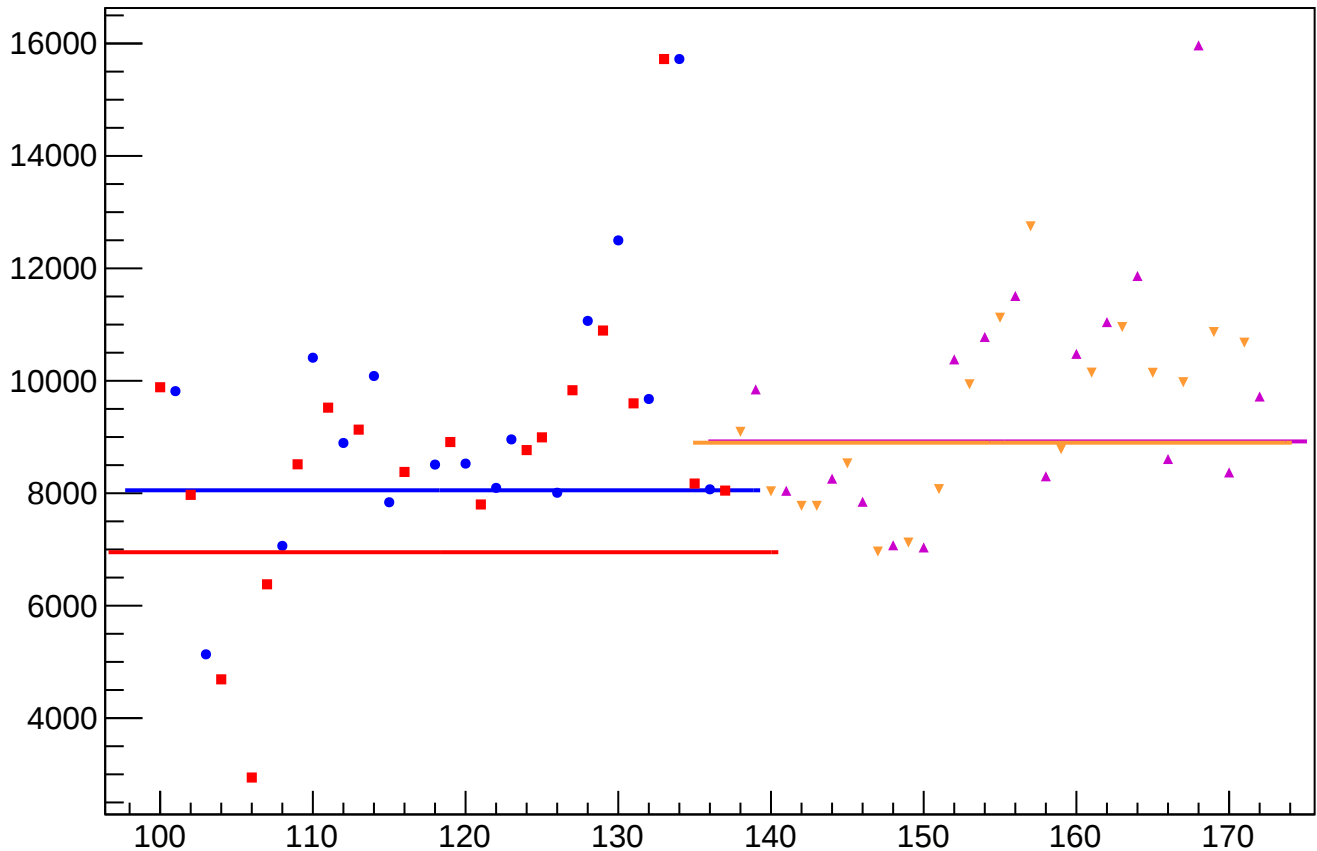
Right: -4089.066 ± 2129.557 $\chi^2/\text{NDF}: 31.9/35$

In: -610.964 ± 1978.457 $\chi^2/\text{NDF}: 28.8/33$

Out: -492.986 ± 1863.020 $\chi^2/\text{NDF}: 42.5/36$

All: -548.433 ± 1356.329 $\chi^2/\text{NDF}: 71.3/70$

asym_atr2_correction_rms vs Slug, Sign Corrected



Right In: 8052.552 $\pm$ 2.282 χ^2 /NDF: 790724.2/16

Left Out: 8899.035 $\pm$ 1.748 χ^2 /NDF: 730034.4/17

Right Out: 6950.943 $\pm$ 2.004 χ^2 /NDF: 1776578.9/18

Left In: 8921.877 $\pm$ 1.771 χ^2 /NDF: 982542.7/16

Left: 8910.308 $\pm$ 1.244 χ^2 /NDF: 1712661.4/34

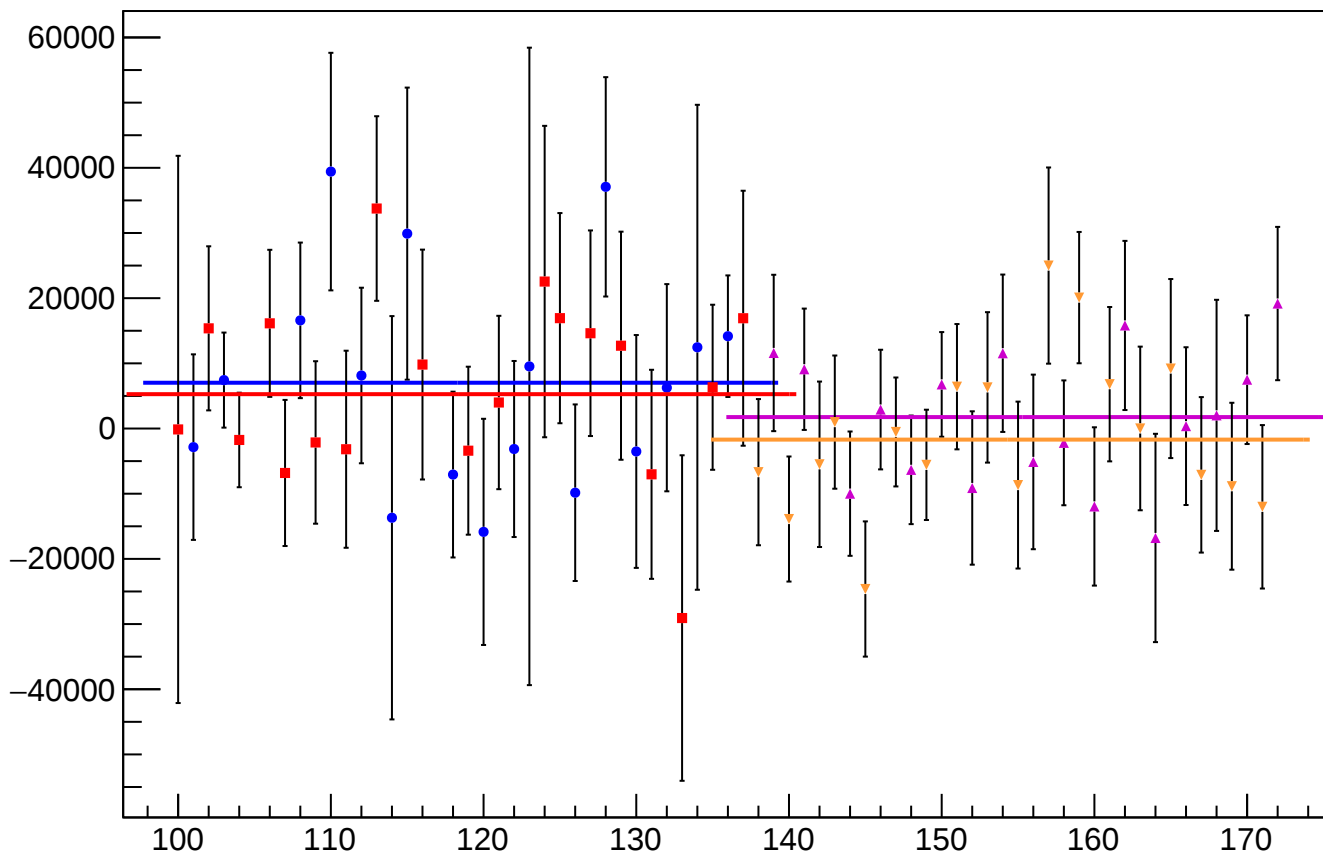
Right: 7430.673 $\pm$ 1.506 χ^2 /NDF: 2698872.2/35

In: 8595.119 $\pm$ 1.399 χ^2 /NDF: 1863851.9/33

Out: 8057.359 $\pm$ 1.317 χ^2 /NDF: 3043222.5/36

All: 8310.094 $\pm$ 0.959 χ^2 /NDF: 4985390.1/70

asym_atr2_mean vs Slug, Sign Corrected



Right In: 7025.400+/-3409.490 χ^2/NDF : 15.0/16

Left Out: -1700.601+/-2589.302 χ^2/NDF : 18.8/17

Right Out: 5271.793+/-3168.195 χ^2/NDF : 13.4/18

Left In: 1755.511+/-2617.275 χ^2/NDF : 12.4/16

Left: 8.887+/-1840.723 χ^2/NDF : 32.1/34

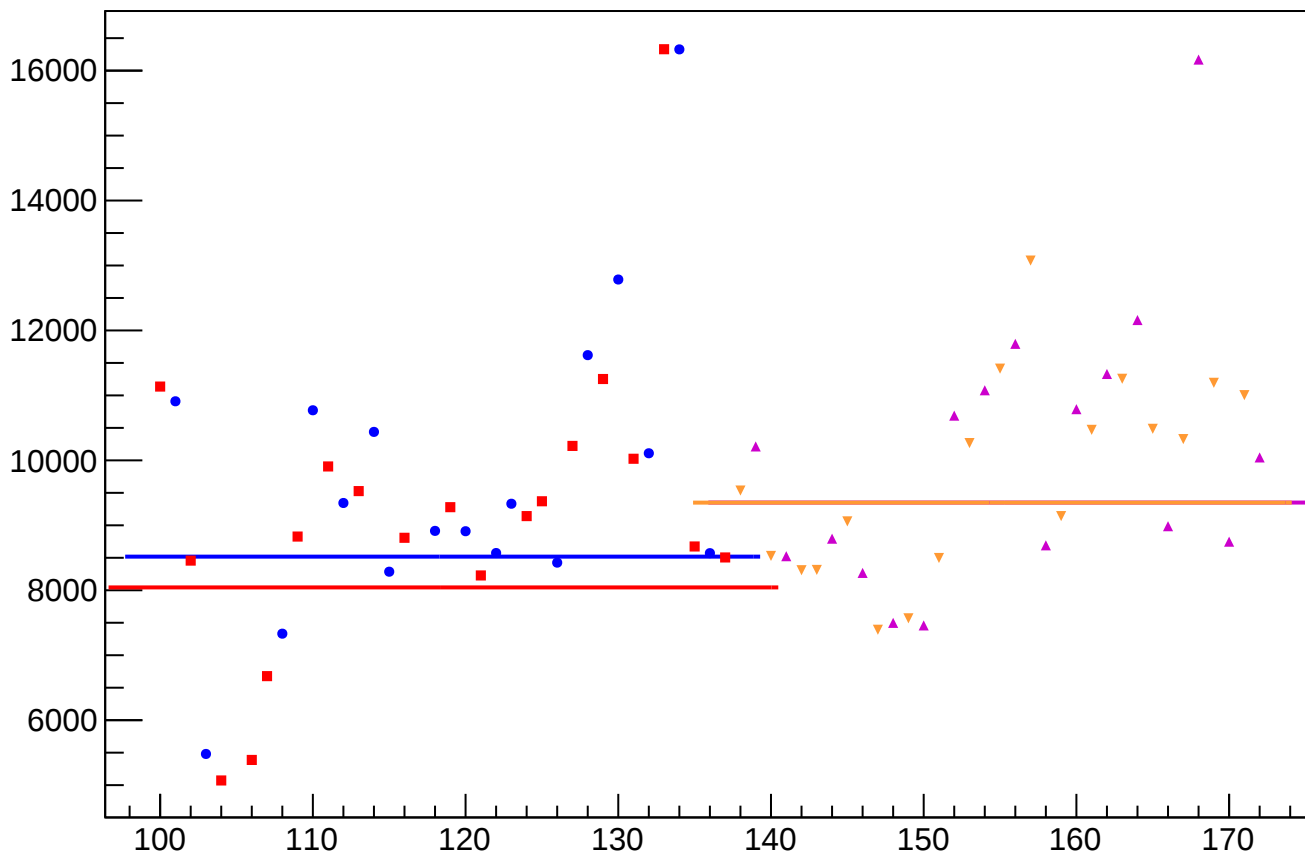
Right: 6084.354+/-2320.872 χ^2/NDF : 28.5/35

In: 3709.498+/-2076.106 χ^2/NDF : 29.0/33

Out: 1091.566+/-2004.895 χ^2/NDF : 35.0/36

All: 2354.865+/-1442.193 χ^2/NDF : 64.8/70

asym_atr2_rms vs Slug, Sign Corrected



Right In: 8517.886+/-2.411 χ^2/NDF : 763281.4/16

Left Out: 9349.437+/-1.831 χ^2/NDF : 620332.0/17

Right Out: 8043.998+/-2.240 χ^2/NDF : 952125.8/18

Left In: 9350.381+/-1.851 χ^2/NDF : 862129.1/16

Left: 9349.904+/-1.302 χ^2/NDF : 1482461.3/34

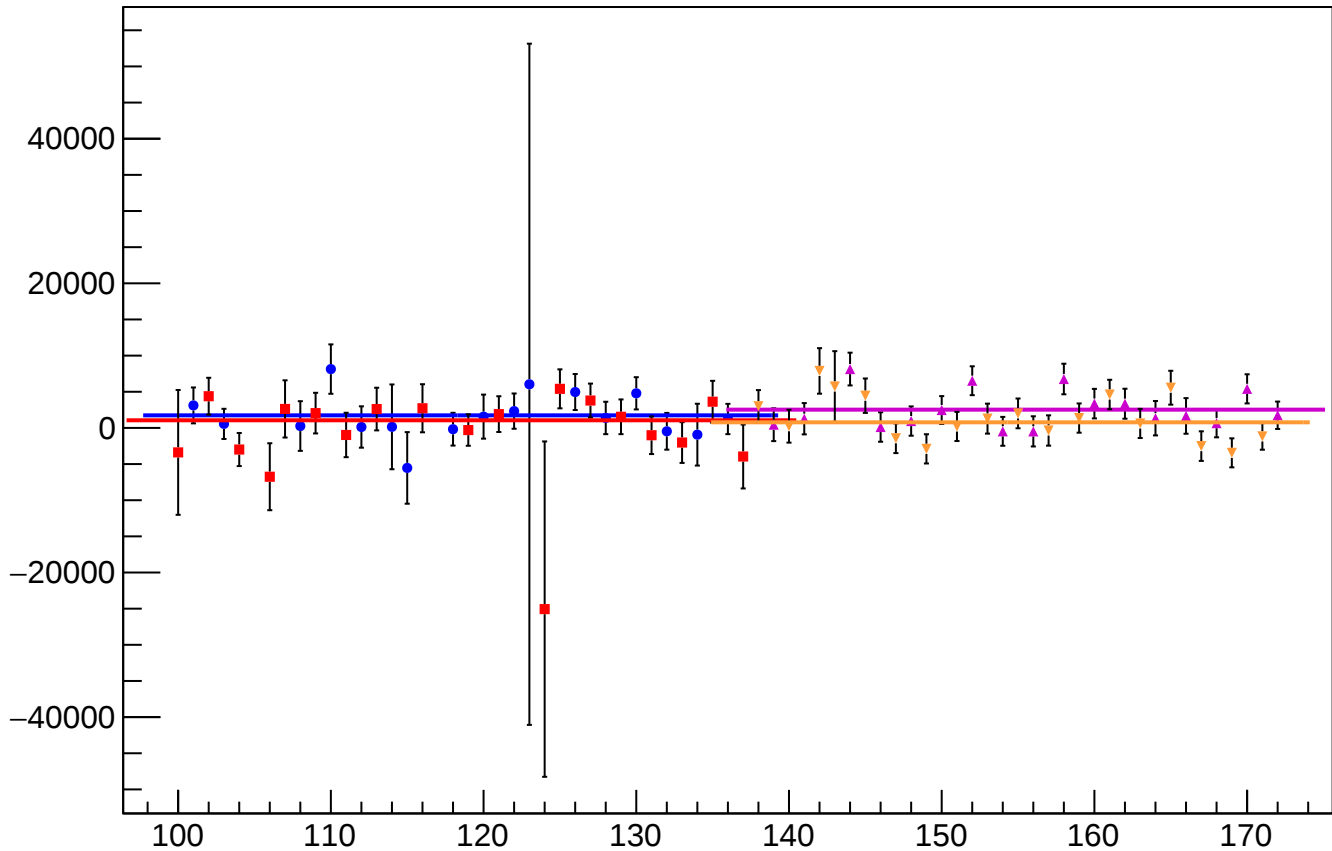
Right: 8263.573+/-1.641 χ^2/NDF : 1736141.9/35

In: 9041.706+/-1.468 χ^2/NDF : 1700437.0/33

Out: 8826.638+/-1.418 χ^2/NDF : 1776047.6/36

All: 8930.419+/-1.020 χ^2/NDF : 3487590.4/70

reg_asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 774.644+/-510.731 χ^2/NDF :30.8/17

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

Left In: 2526.347+/-505.748 χ^2/NDF :25.5/16

Left: 1659.082+/-359.367 χ^2/NDF : 62.2/34

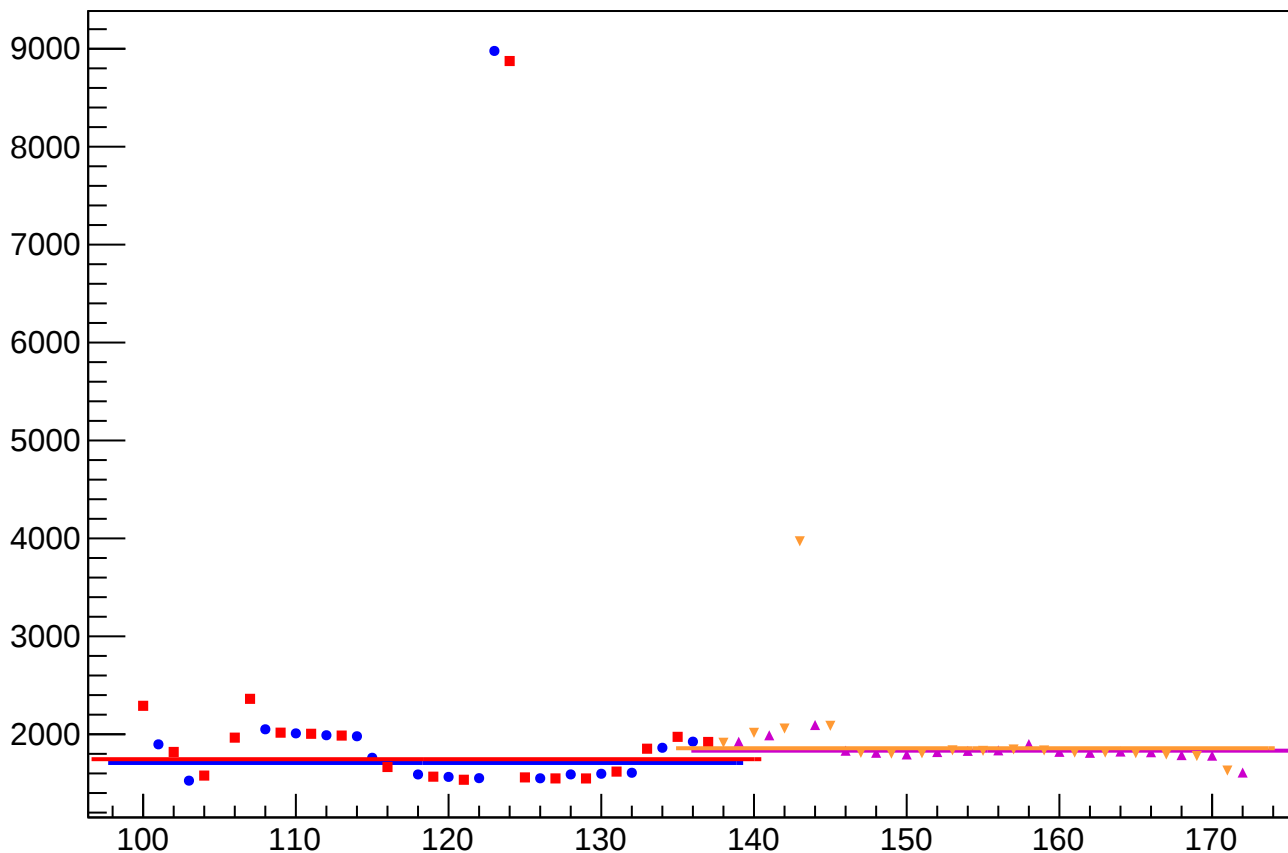
Right: 1397.913+/-474.249 χ^2/NDF : 31.8/35

In: 2241.007+/-403.744 χ^2/NDF :38.8/33

Out: 877.703+/-406.396 χ^2/NDF :49.7/36

All: 1563.819+/-286.423 χ^2/NDF : 94.2/70

reg_asym_atl_avg_rms vs Slug, Sign Corrected



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

Left Out: 1857.205+/-0.361 χ^2/NDF : 454856.0/17

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

Left In: 1832.435+/-0.358 χ^2/NDF : 74175.5/16

Left: 1844.699+/-0.254 χ^2/NDF : 531406.8/34

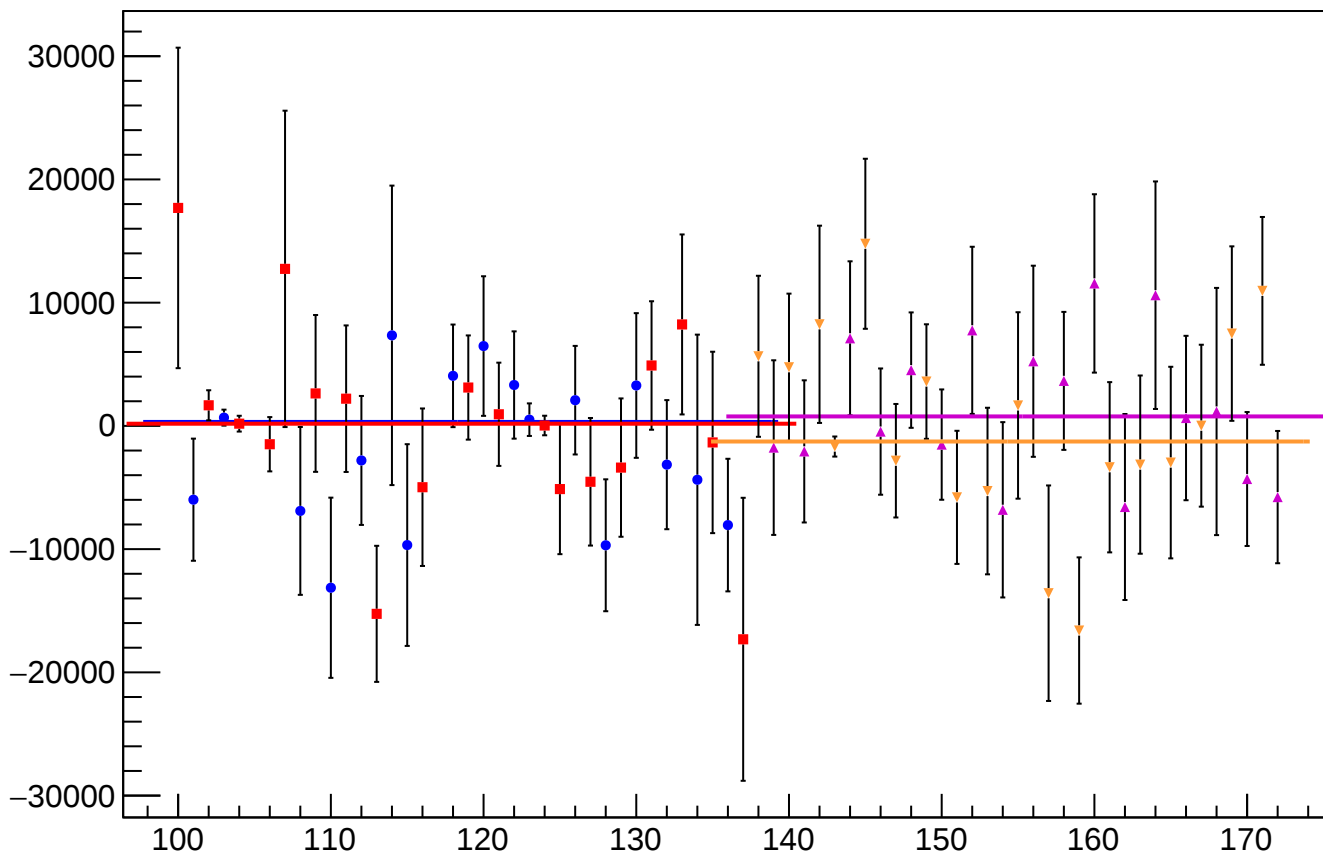
Right: 1726.220+/-0.335 χ^2/NDF : 600688.4/35

In: 1786.891+/-0.285 χ^2/NDF : 316447.2/33

Out: 1815.971+/-0.287 χ^2/NDF : 890005.0/36

All: 1801.360+/-0.202 χ^2/NDF : 1211614.4/70

asym_atl_avg_correction_mean vs Slug, Sign Corrected



Right In: 320.899 $\pm$ 540.384 χ^2 /NDF: 18.0/16

Left Out: -1266.572 $\pm$ 719.664 χ^2 /NDF:26.2/17

Right Out: 176.640 $\pm$ 433.552 χ^2 /NDF: 20.8/18

Left In: 768.611 $\pm$ 1492.988 χ^2 /NDF:11.8/16

Left: -882.851 $\pm$ 648.279 χ^2 /NDF: 39.6/34

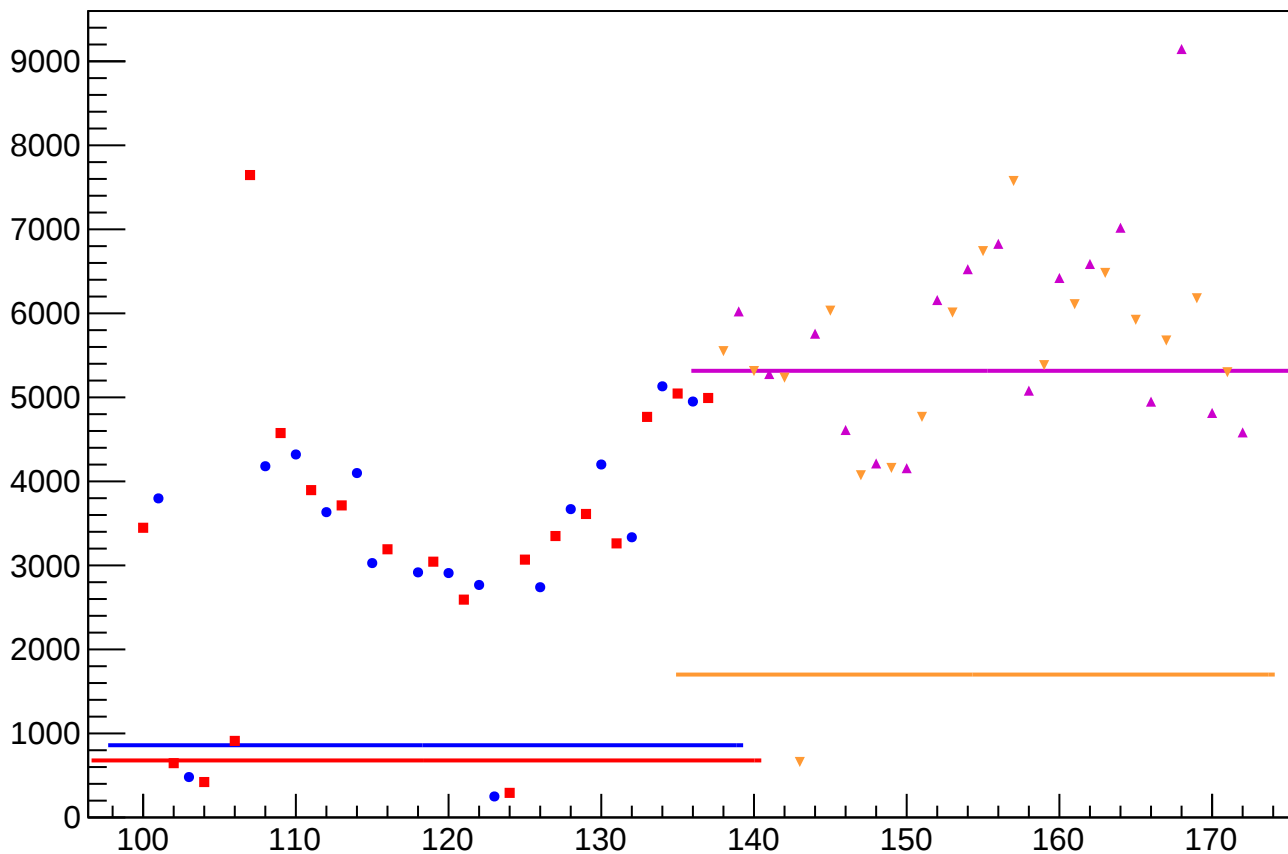
Right: 233.134 $\pm$ 338.167 χ^2 /NDF: 38.8/35

In: 372.758 $\pm$ 508.124 χ^2 /NDF:29.9/33

Out: -207.668 $\pm$ 371.368 χ^2 /NDF:49.9/36

All: -5.577 $\pm$ 299.826 χ^2 /NDF: 80.7/70

asym_atl_avg_correction_rms vs Slug, Sign Corrected



Right In: 859.557 $\pm$ 0.382 χ^2 /NDF: 8143264.5/16

Left Out: 1700.721 $\pm$ 0.509 χ^2 /NDF: 15505963.4/17

Right Out: 678.603 $\pm$ 0.307 χ^2 /NDF: 8384814.2/18

Left In: 5316.125 $\pm$ 1.056 χ^2 /NDF: 1004503.3/16

Left: 2382.382 $\pm$ 0.458 χ^2 /NDF: 26027377.6/34

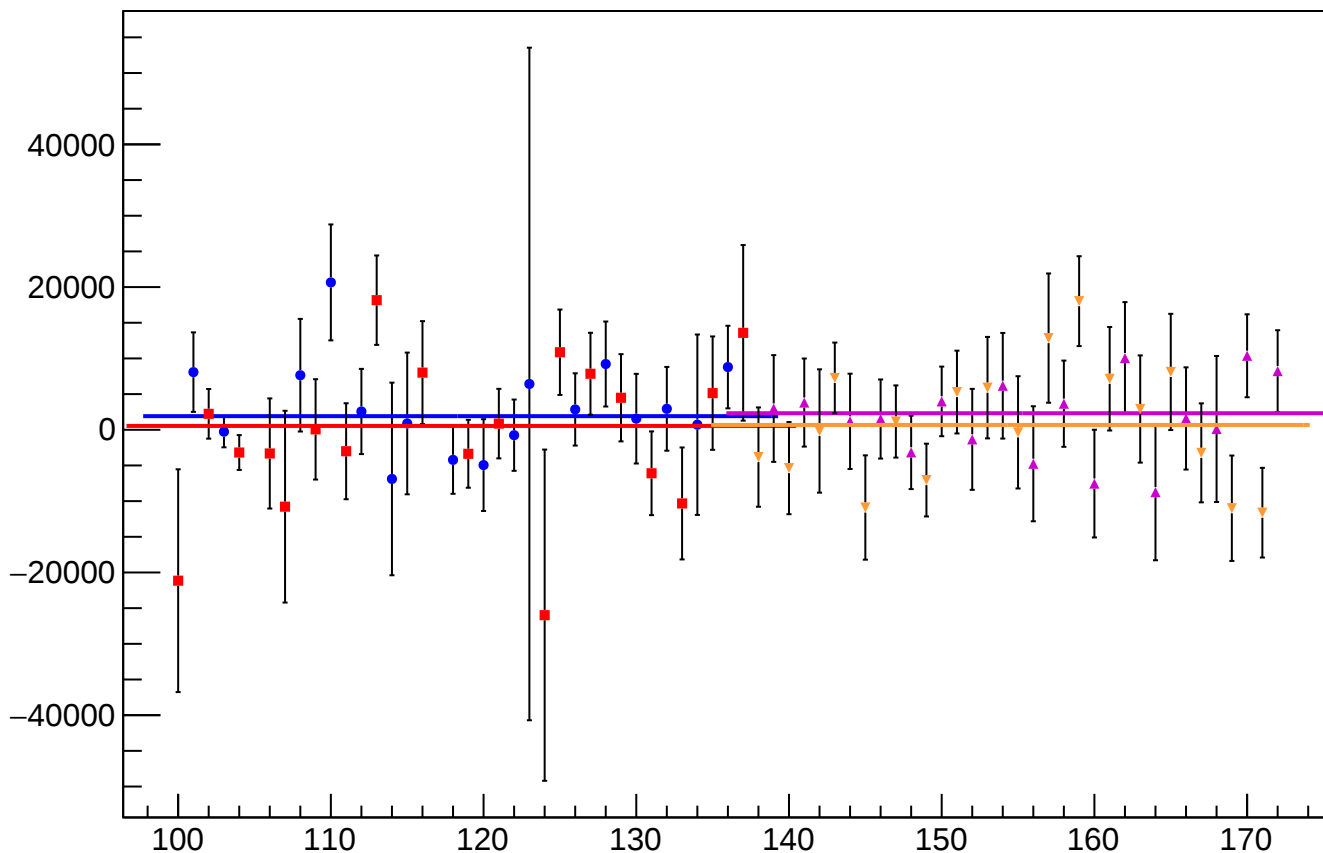
Right: 749.467 $\pm$ 0.239 χ^2 /NDF: 16664518.8/35

In: 1375.768 $\pm$ 0.359 χ^2 /NDF: 24904031.0/33

Out: 950.779 $\pm$ 0.263 χ^2 /NDF: 26850829.7/36

All: 1098.750 $\pm$ 0.212 χ^2 /NDF: 52666821.5/71

asym_atl_avg_mean vs Slug, Sign Corrected



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

Left Out: 678.895+/-1553.924 χ^2/NDF : 26.8/17

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

Left In: 2320.063+/-1593.714 χ^2/NDF : 9.8/16

Left: 1478.736+/-1112.591 χ^2/NDF : 37.1/34

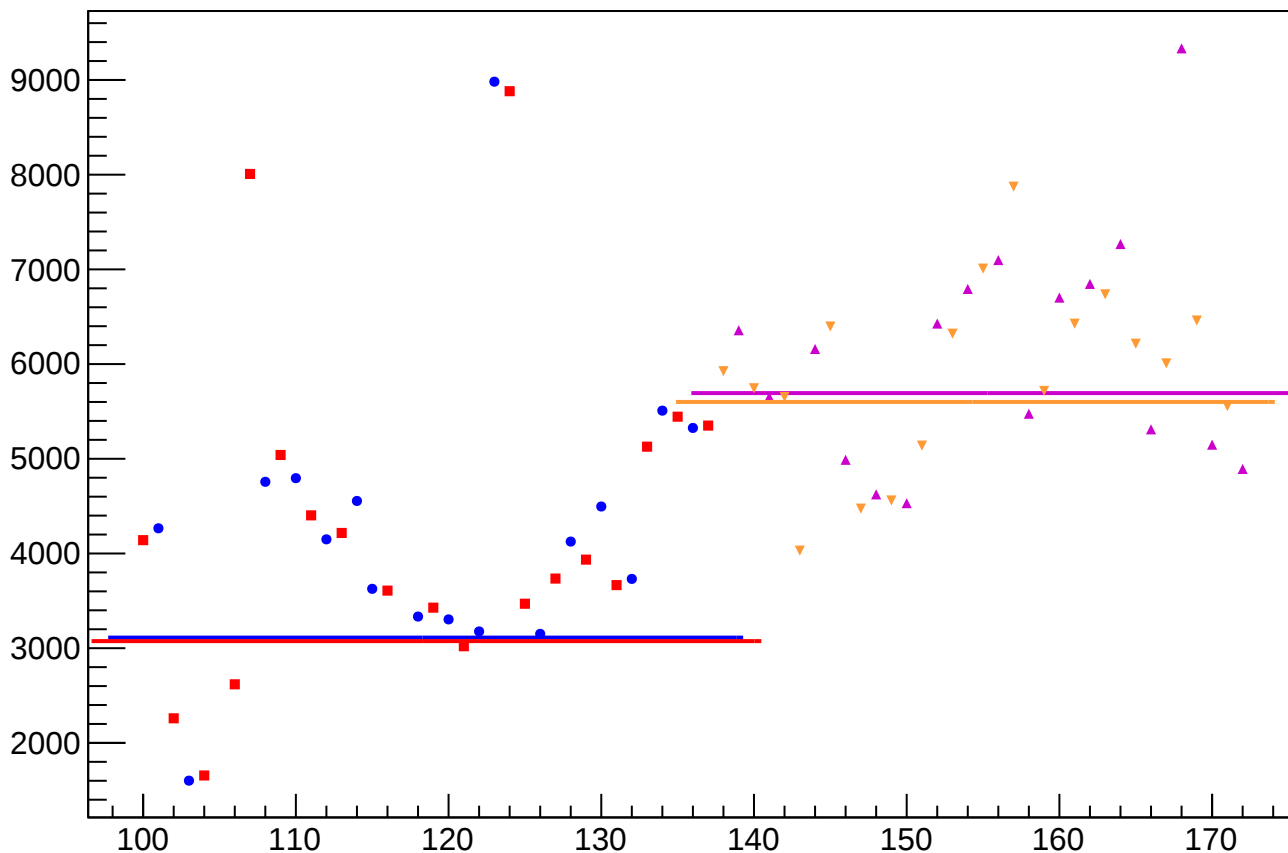
Right: 1211.574+/-917.716 χ^2/NDF : 41.6/35

In: 2074.988+/-1012.099 χ^2/NDF : 24.4/33

Out: 596.182+/-990.645 χ^2/NDF : 53.2/36

All: 1319.746+/-707.955 χ^2/NDF : 78.7/70

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3111.825+/-0.926 χ^2/NDF : 1879558.6/16

Left Out: 5600.362+/-1.099 χ^2/NDF : 752998.7/17

Right Out: 3074.771+/-0.896 χ^2/NDF : 2005627.6/18

Left In: 5693.712+/-1.127 χ^2/NDF : 835245.0/16

Left: 5645.857+/-0.787 χ^2/NDF : 1591761.3/34

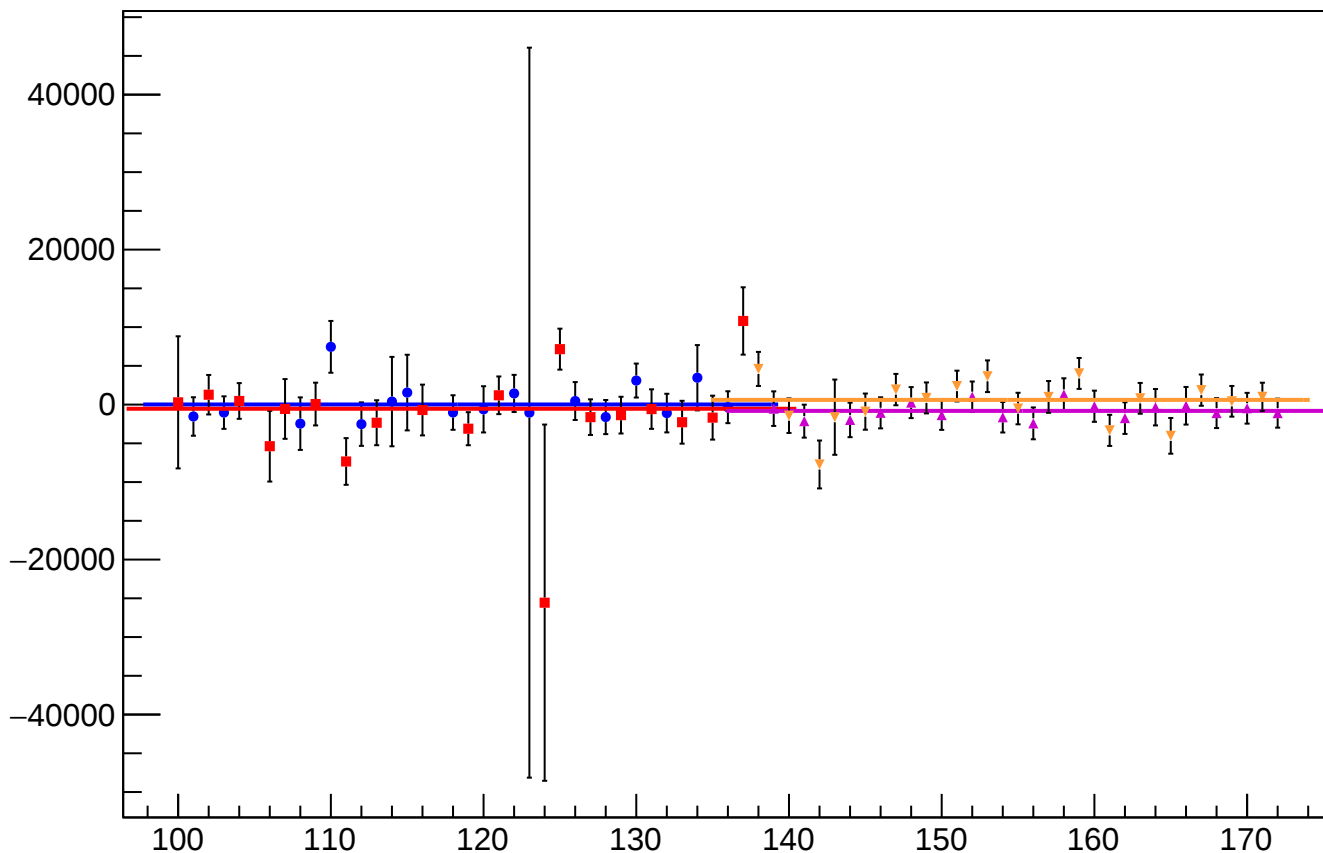
Right: 3092.680+/-0.644 χ^2/NDF : 3886012.7/35

In: 4153.086+/-0.716 χ^2/NDF : 5846961.3/33

Out: 4083.517+/-0.694 χ^2/NDF : 5931660.4/36

All: 4117.254+/-0.498 χ^2/NDF : 11783489.0/71

reg_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: 14.118 ± 661.101 χ^2/NDF : 11.1/16

Left Out: 610.086 ± 503.238 χ^2/NDF : 27.1/17

Right Out: -537.476 ± 661.143 χ^2/NDF : 26.7/18

Left In: -812.277 ± 498.471 χ^2/NDF : 4.2/16

Left: -107.865 ± 354.146 χ^2/NDF : 35.4/34

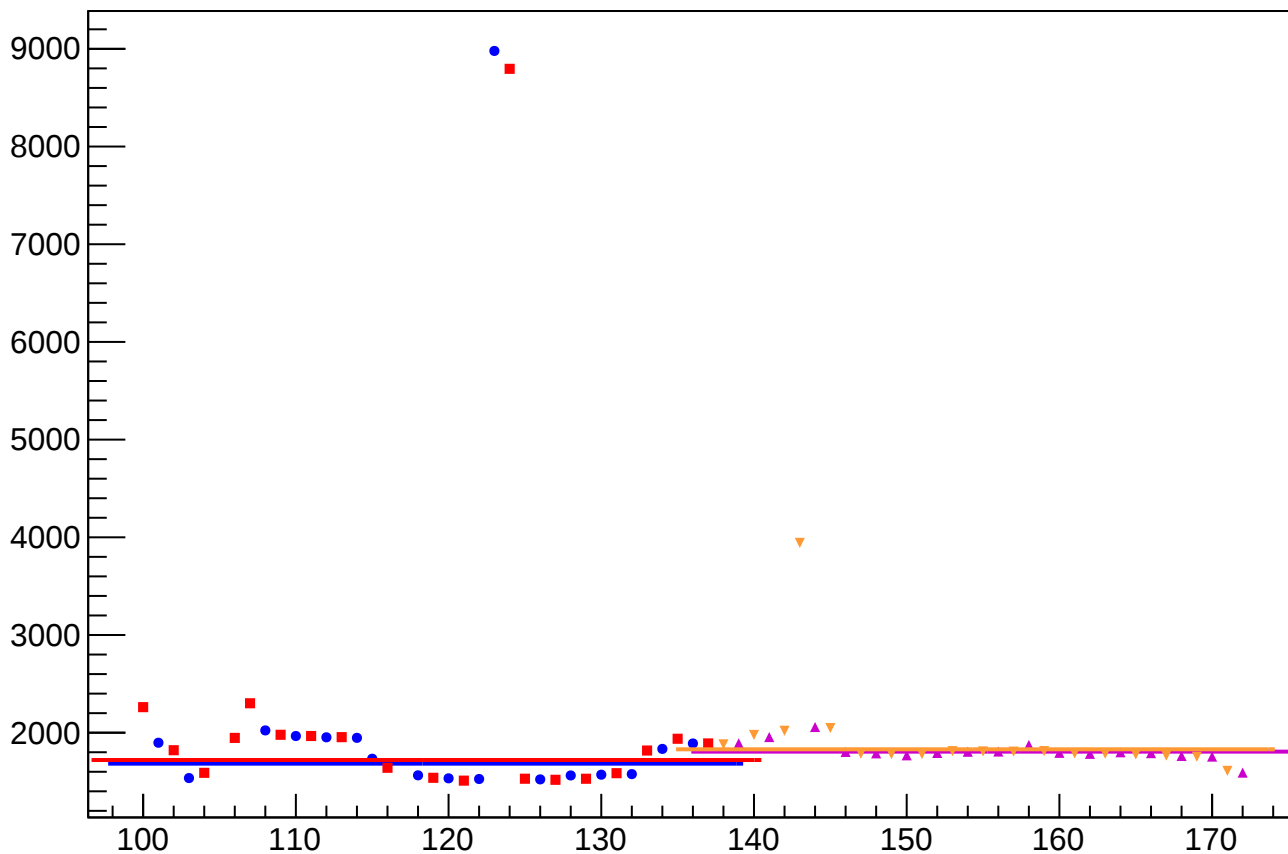
Right: -261.662 ± 467.484 χ^2/NDF : 38.1/35

In: -512.746 ± 398.011 χ^2/NDF : 16.3/33

Out: 189.118 ± 400.435 χ^2/NDF : 55.7/36

All: -163.945 ± 282.289 χ^2/NDF : 73.6/70

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1683.259+/-0.467 χ^2/NDF : 195893.7/16

Left Out: 1829.954+/-0.356 χ^2/NDF : 455257.2/17

Right Out: 1720.379+/-0.465 χ^2/NDF : 396099.9/18

Left In: 1806.134+/-0.352 χ^2/NDF : 70646.5/16

Left: 1817.930+/-0.250 χ^2/NDF : 528165.5/34

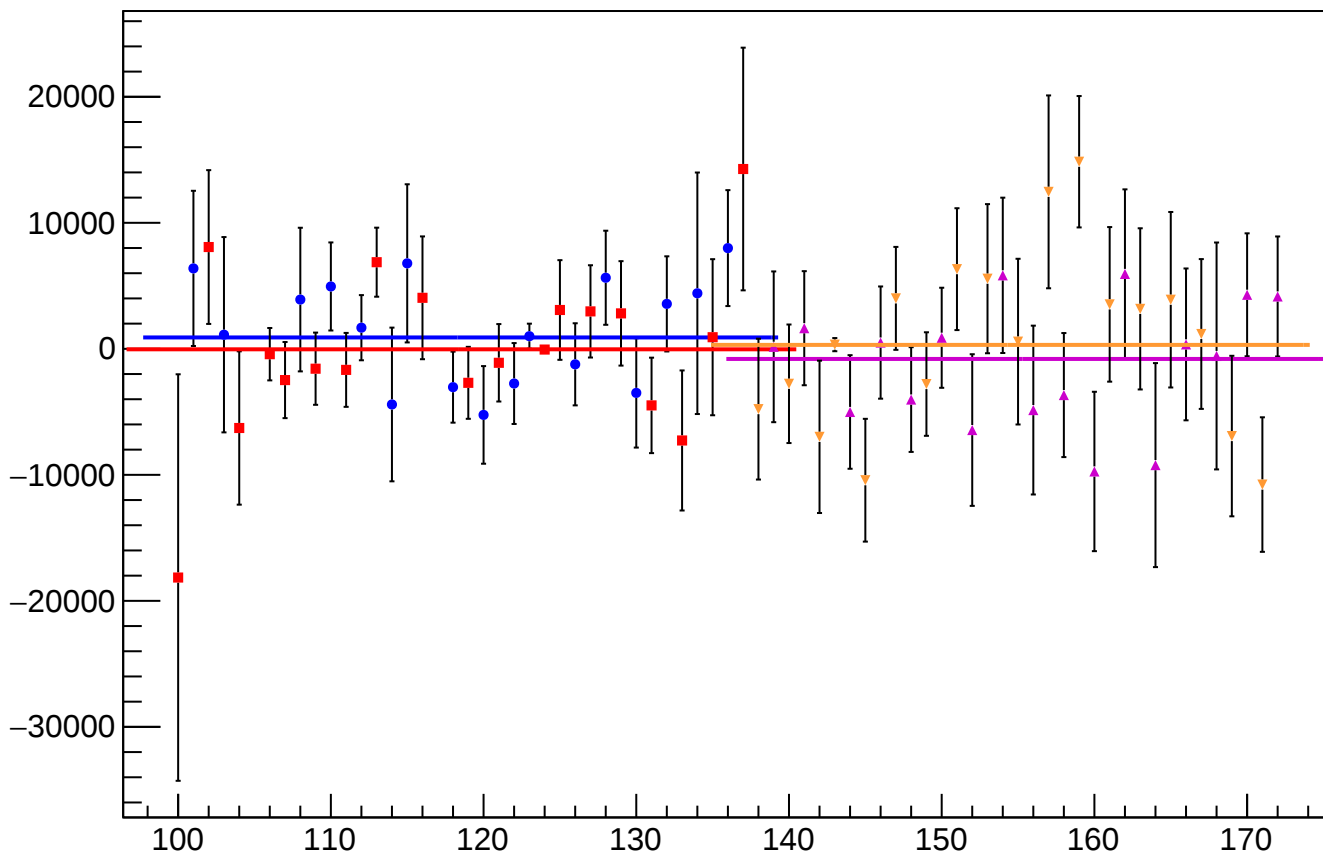
Right: 1701.898+/-0.330 χ^2/NDF : 595159.7/35

In: 1761.597+/-0.281 χ^2/NDF : 310588.8/33

Out: 1789.537+/-0.283 χ^2/NDF : 886332.0/36

All: 1775.504+/-0.199 χ^2/NDF : 1201826.6/70

asym_atl_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 312.096+/-485.802 χ^2/NDF : 28.0/17

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

Left In: -802.947+/-1286.984 χ^2/NDF : 11.1/16

Left: 173.032+/-454.500 χ^2/NDF : 39.7/34

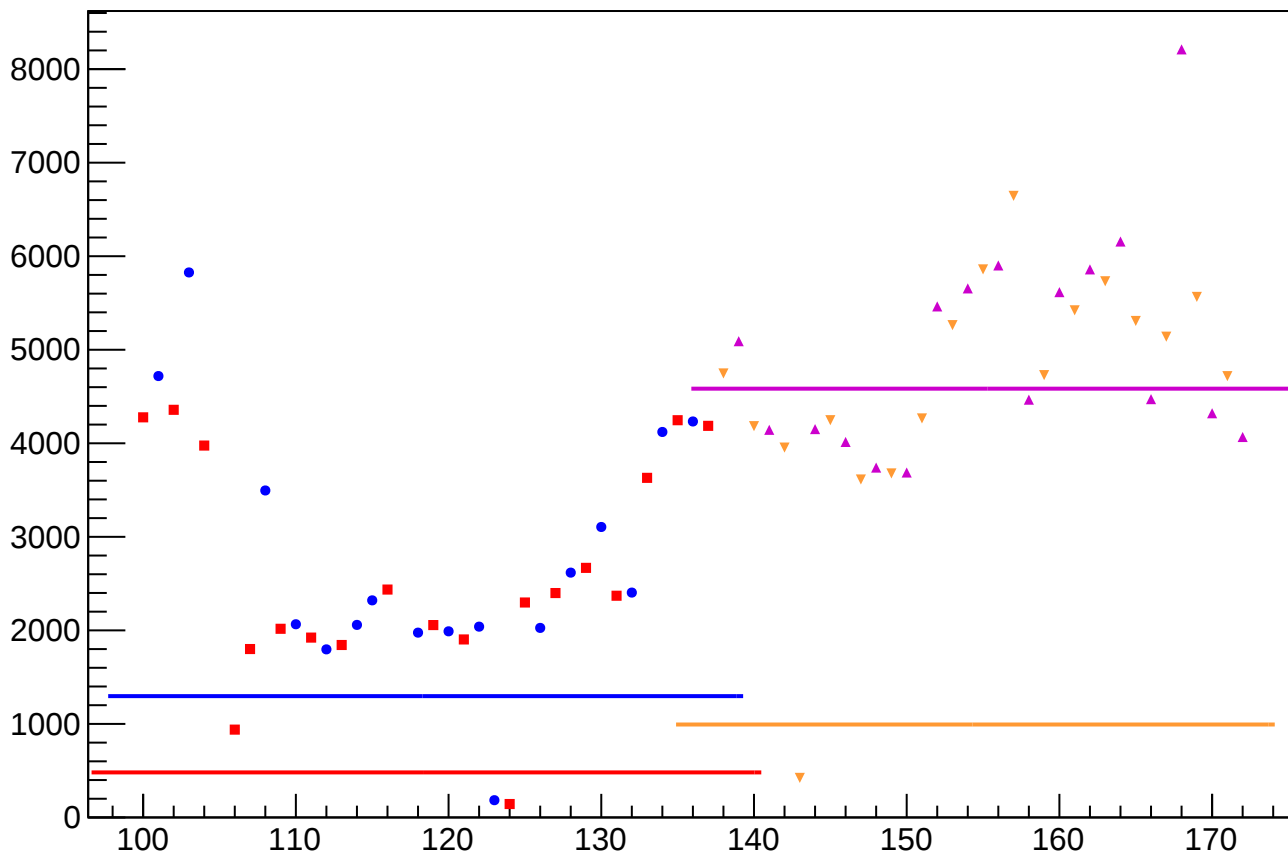
Right: 153.912+/-318.670 χ^2/NDF : 37.9/35

In: 509.022+/-618.688 χ^2/NDF : 28.4/33

Out: 84.751+/-287.768 χ^2/NDF : 48.8/36

All: 160.214+/-260.925 χ^2/NDF : 77.6/70

asym_atl_dd_correction_rms vs Slug, Sign Corrected



Right In: 1297.005 $\pm$ 0.499 χ^2 /NDF: 6509608.5/16

Left Out: 993.637 $\pm$ 0.344 χ^2 /NDF: 18309747.5/17

Right Out: 481.577 $\pm$ 0.253 χ^2 /NDF: 10144170.1/18

Left In: 4583.969 $\pm$ 0.910 χ^2 /NDF: 1006051.2/16

Left: 1441.409 $\pm$ 0.321 χ^2 /NDF: 32939714.2/34

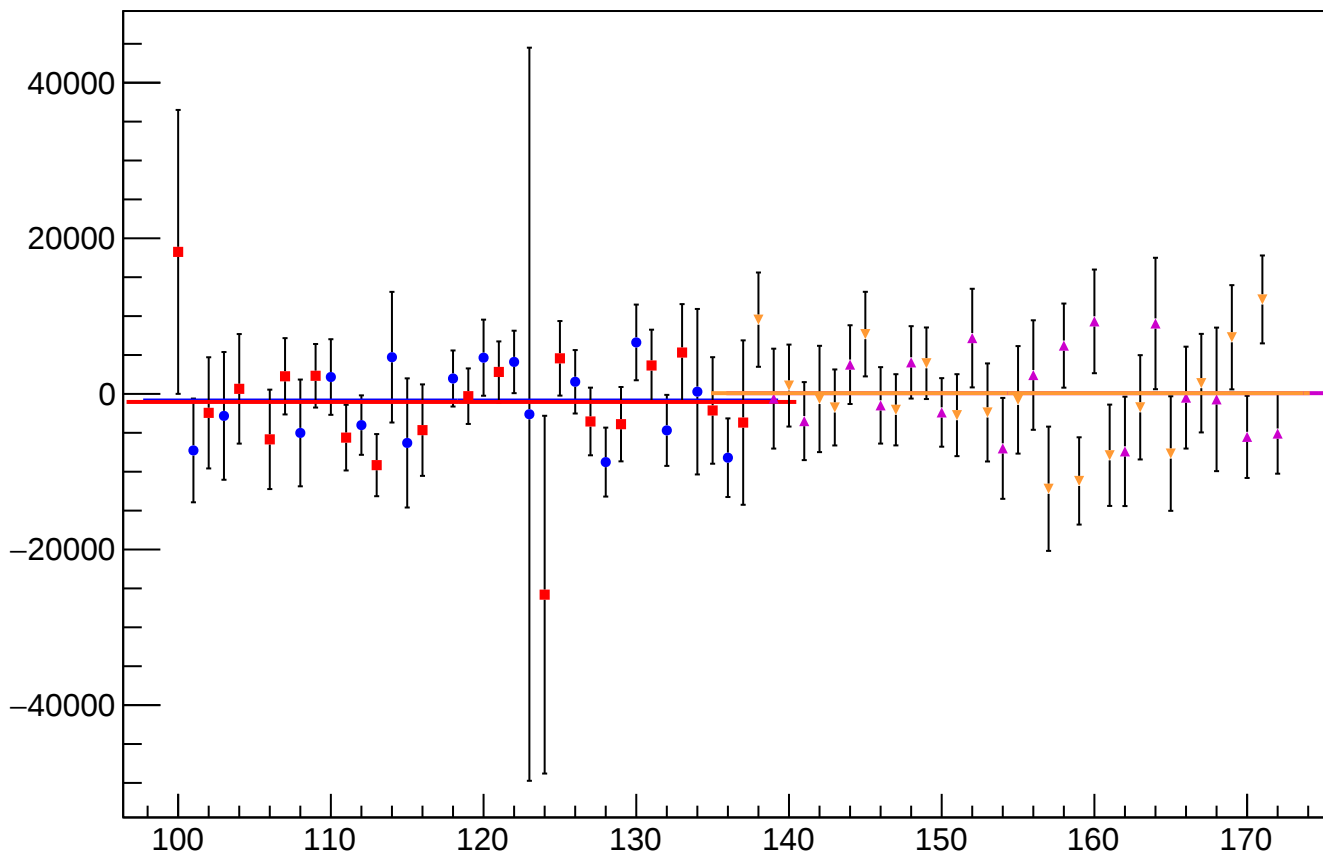
Right: 647.917 $\pm$ 0.225 χ^2 /NDF: 18780181.6/35

In: 2056.618 $\pm$ 0.437 χ^2 /NDF: 17546661.8/33

Out: 661.252 $\pm$ 0.203 χ^2 /NDF: 29896273.4/36

All: 909.436 $\pm$ 0.185 χ^2 /NDF: 55806786.7/70

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -849.372+/-1261.026 χ^2/NDF : 15.4/16

Left Out: 96.515+/-1376.276 χ^2/NDF : 20.8/17

Right Out: -1033.205+/-1190.714 χ^2/NDF : 15.0/18

Left In: 95.971+/-1399.490 χ^2/NDF : 12.4/16

Left: 96.247+/-981.279 χ^2/NDF : 33.1/34

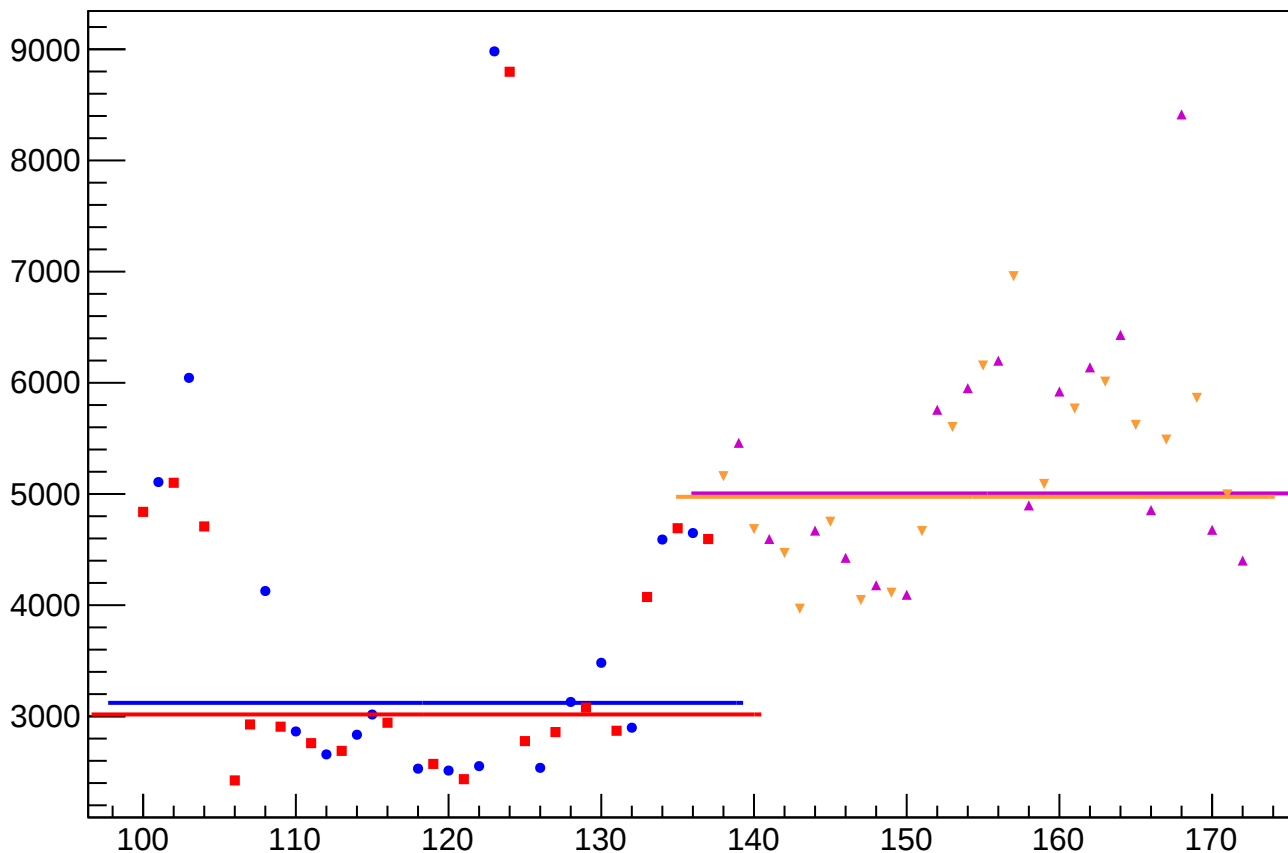
Right: -946.556+/-865.752 χ^2/NDF : 30.4/35

In: -425.767+/-936.819 χ^2/NDF : 28.0/33

Out: -549.586+/-900.476 χ^2/NDF : 36.2/36

All: -490.125+/-649.200 χ^2/NDF : 64.2/70

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3121.417 $\pm$ 0.892 χ^2 /NDF: 945708.1/16

Left Out: 4974.722 $\pm$ 0.973 χ^2 /NDF: 610952.1/17

Right Out: 3017.215 $\pm$ 0.831 χ^2 /NDF: 791997.9/18

Left In: 5005.089 $\pm$ 0.990 χ^2 /NDF: 793800.1/16

Left: 4989.652 $\pm$ 0.694 χ^2 /NDF: 1405230.8/34

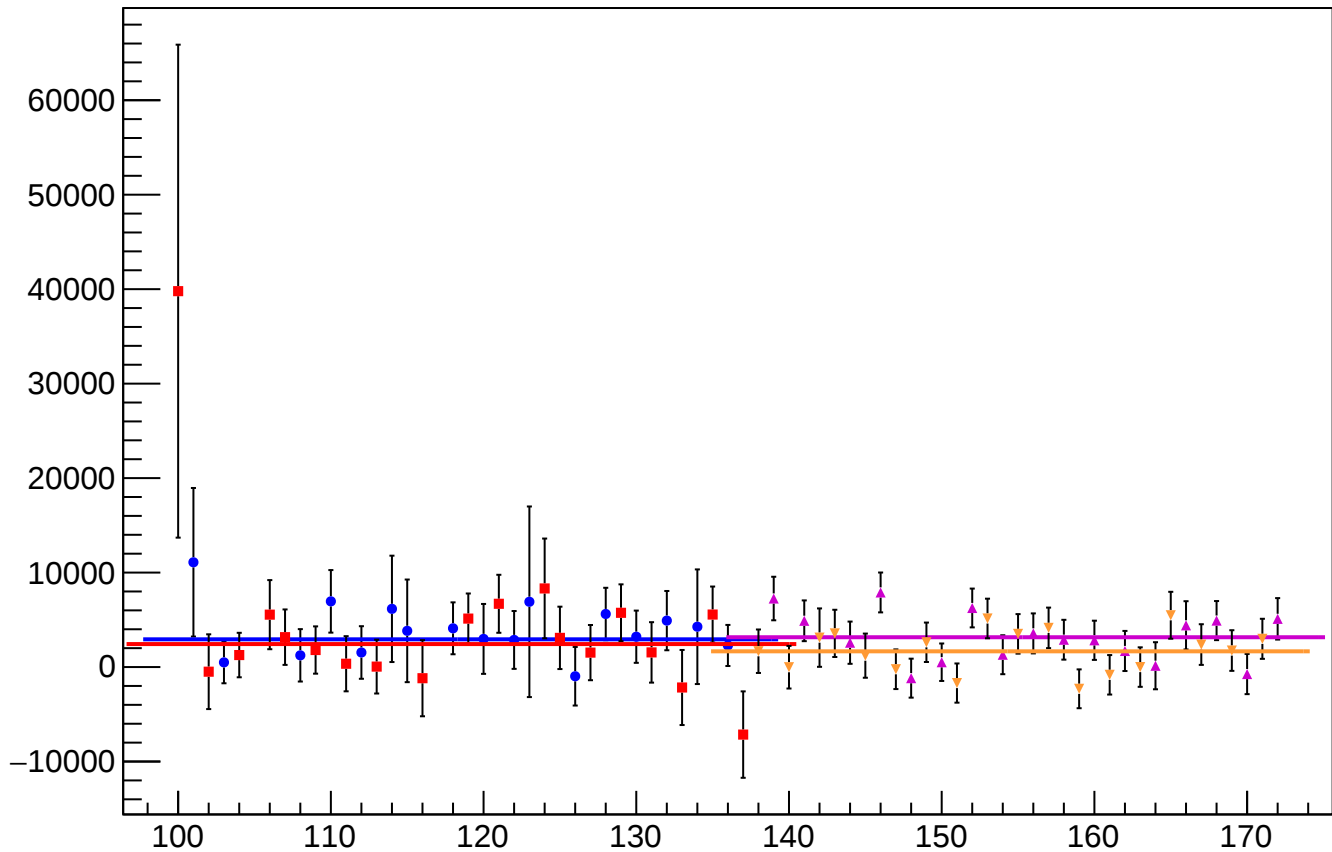
Right: 3065.680 $\pm$ 0.608 χ^2 /NDF: 1745010.6/35

In: 3965.479 $\pm$ 0.662 χ^2 /NDF: 3739214.1/33

Out: 3843.218 $\pm$ 0.632 χ^2 /NDF: 3741670.1/36

All: 3901.492 $\pm$ 0.457 χ^2 /NDF: 7498712.2/70

reg_asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 1665.190+/-519.376 χ^2/NDF : 18.6/17

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

Left In: 3156.077+/-522.025 χ^2/NDF : 25.3/16

Left: 2406.840+/-368.187 χ^2/NDF : 48.0/34

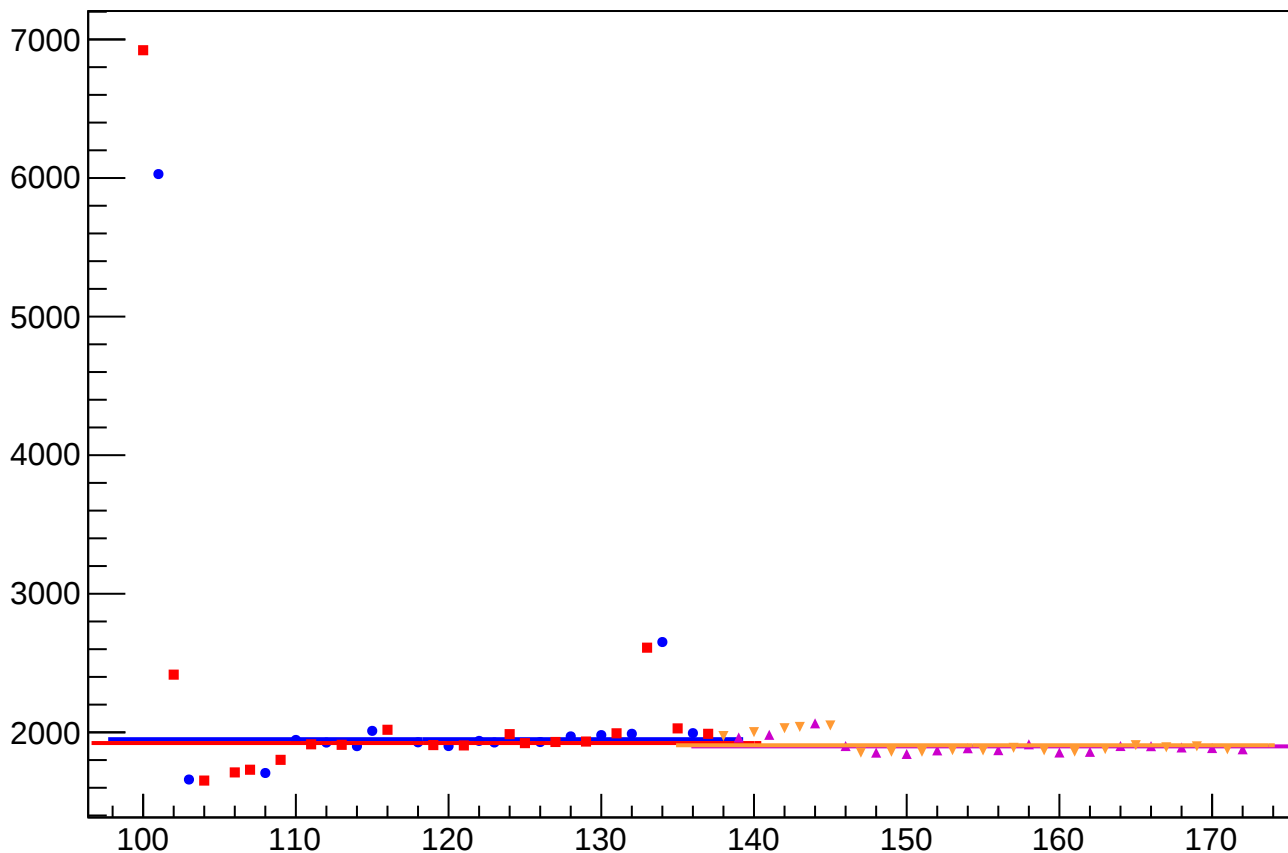
Right: 2672.699+/-535.482 χ^2/NDF : 26.5/35

In: 3087.380+/-433.028 χ^2/NDF : 33.5/33

Out: 1918.320+/-425.196 χ^2/NDF : 37.4/36

All: 2492.182+/-303.390 χ^2/NDF : 74.7/70

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1950.615 $\pm$ 0.548 χ^2 /NDF: 617332.2/16

Left Out: 1906.731 $\pm$ 0.367 χ^2 /NDF: 28566.7/17

Right Out: 1922.752 $\pm$ 0.522 χ^2 /NDF: 217400.0/18

Left In: 1898.683 $\pm$ 0.369 χ^2 /NDF: 20863.4/16

Left: 1902.728 $\pm$ 0.260 χ^2 /NDF: 49668.9/34

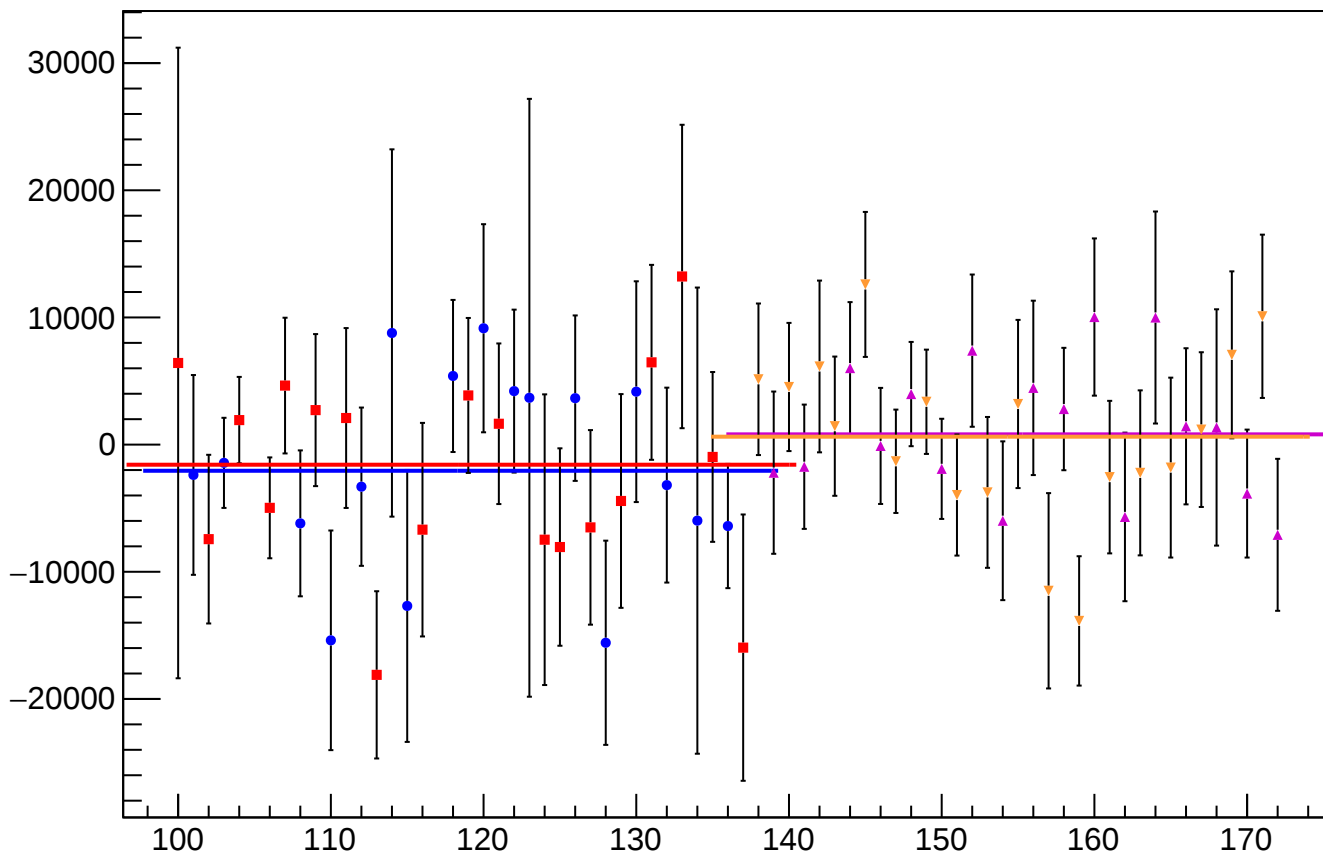
Right: 1936.009 $\pm$ 0.378 χ^2 /NDF: 836086.0/35

In: 1914.881 $\pm$ 0.306 χ^2 /NDF: 644369.1/33

Out: 1912.031 $\pm$ 0.300 χ^2 /NDF: 246596.2/36

All: 1913.429 $\pm$ 0.214 χ^2 /NDF: 891009.4/70

asym_atr_avg_correction_mean vs Slug, Sign Corrected



Right In: -2056.876 $\pm$ 1661.079 χ^2 /NDF: 14.0/16

Left Out: 623.197 $\pm$ 1323.816 χ^2 /NDF:22.9/17

Right Out: -1580.717 $\pm$ 1477.405 χ^2 /NDF: 18.6/18

Left In: 806.376 $\pm$ 1333.252 χ^2 /NDF:12.5/16

Left: 714.136 $\pm$ 939.398 χ^2 /NDF: 35.4/34

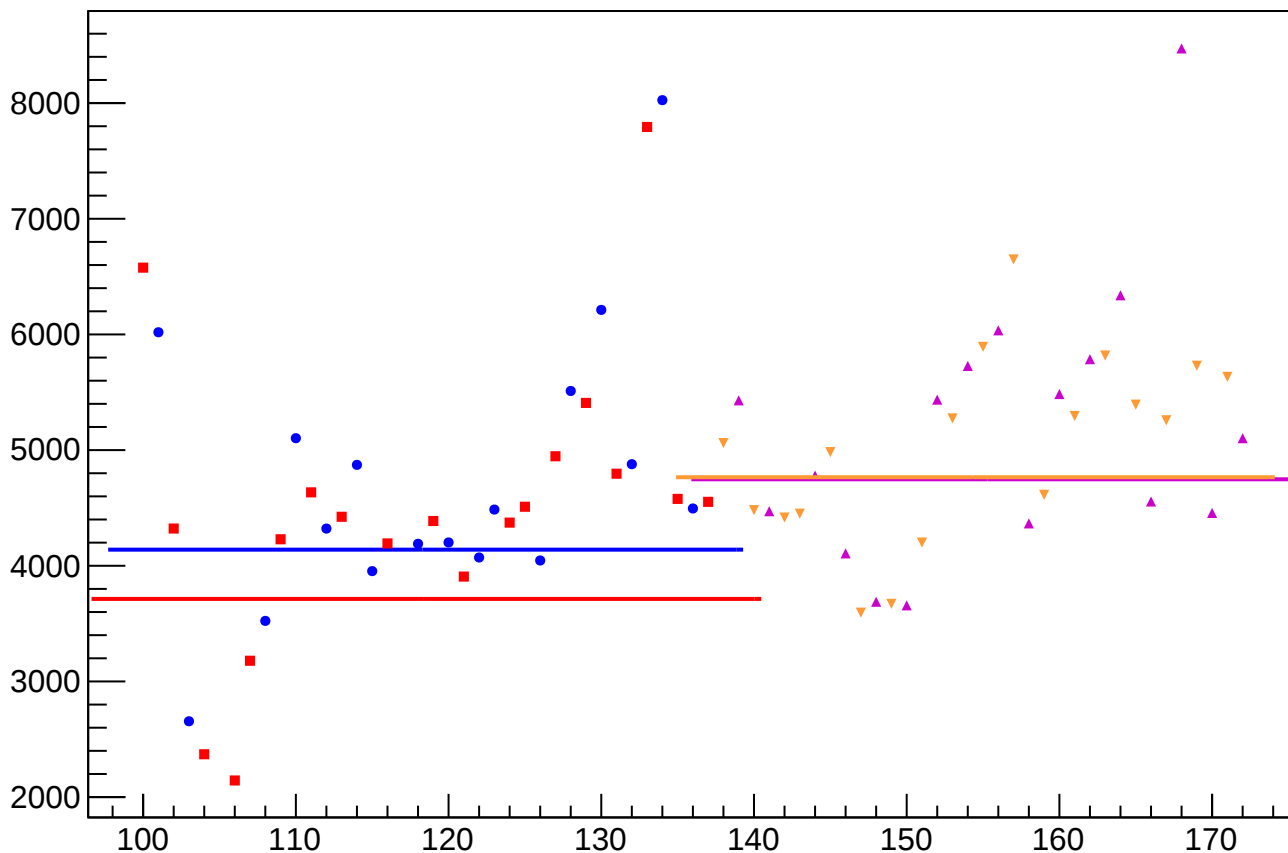
Right: -1791.026 $\pm$ 1103.932 χ^2 /NDF: 32.6/35

In: -315.487 $\pm$ 1039.753 χ^2 /NDF:28.2/33

Out: -358.283 $\pm$ 985.923 χ^2 /NDF:42.7/36

All: -338.022 $\pm$ 715.426 χ^2 /NDF: 71.0/70

asym_atr_avg_correction_rms vs Slug, Sign Corrected



Right In: 4139.394+/-1.175 χ^2/NDF : 813550.8/16

Left Out: 4765.514+/-0.936 χ^2/NDF : 734264.0/17

Right Out: 3713.526+/-1.045 χ^2/NDF : 1275828.5/18

Left In: 4747.701+/-0.943 χ^2/NDF : 1001592.7/16

Left: 4756.671+/-0.664 χ^2/NDF : 1736036.4/34

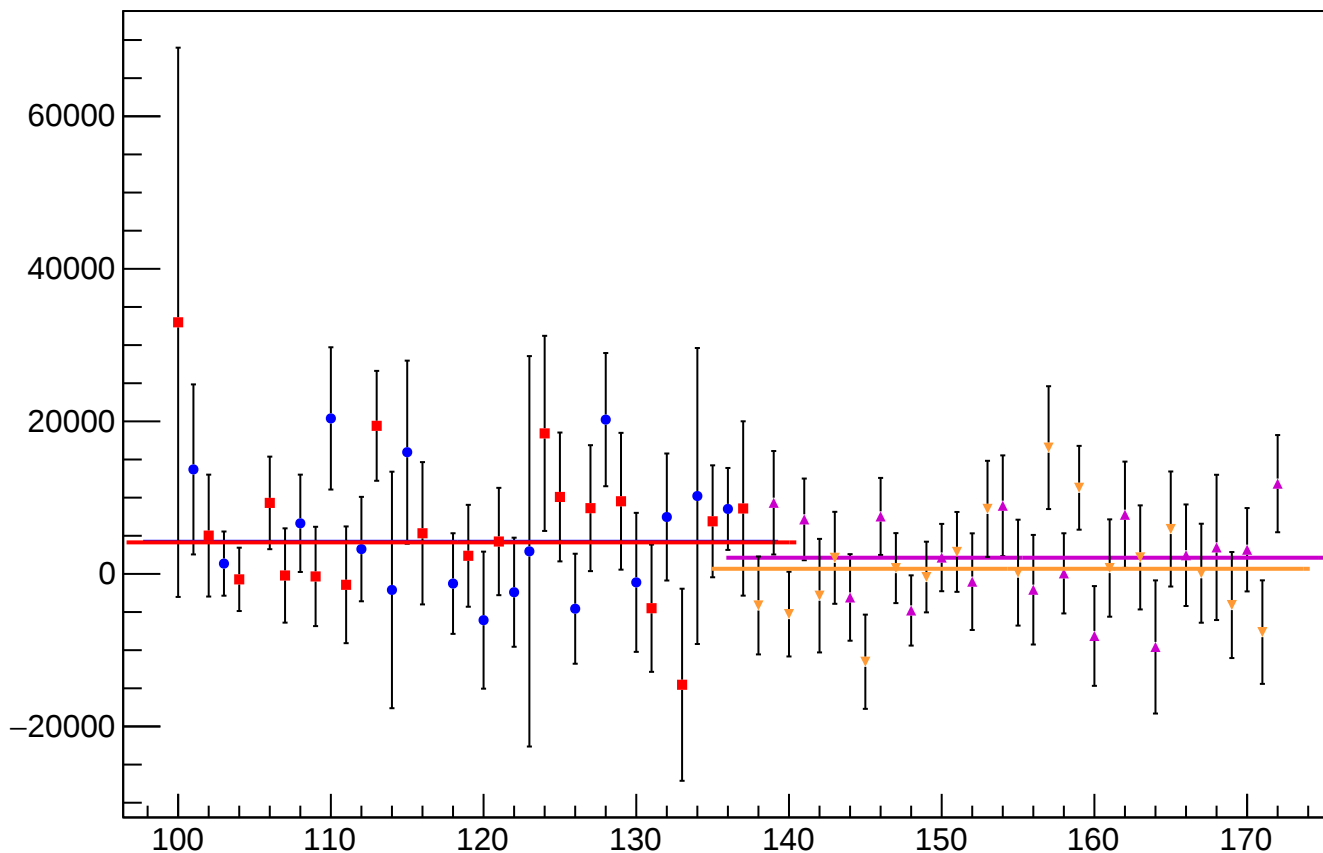
Right: 3901.622+/-0.781 χ^2/NDF : 2162777.5/35

In: 4509.358+/-0.735 χ^2/NDF : 1978272.8/33

Out: 4297.027+/-0.697 χ^2/NDF : 2572541.6/36

All: 4397.554+/-0.506 χ^2/NDF : 4594732.2/70

asym_atr_avg_mean vs Slug, Sign Corrected



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

Left Out: 671.460+/-1438.594 χ^2/NDF : 17.8/17

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

Left In: 2120.955+/-1447.045 χ^2/NDF : 15.4/16

Left: 1391.963+/-1020.214 χ^2/NDF : 33.7/34

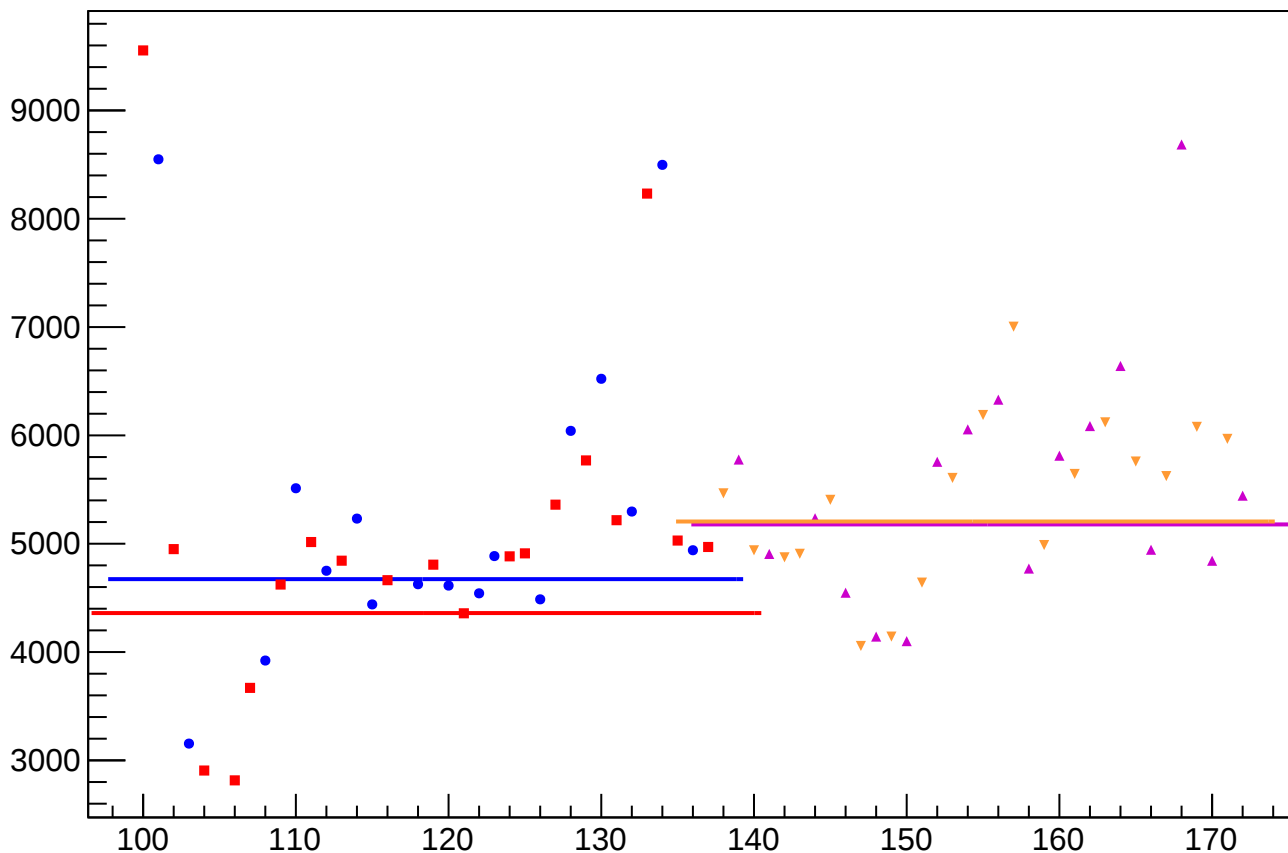
Right: 4169.584+/-1268.468 χ^2/NDF : 29.2/35

In: 2903.374+/-1144.718 χ^2/NDF : 30.5/33

Out: 2091.338+/-1104.903 χ^2/NDF : 35.0/36

All: 2482.989+/-794.988 χ^2/NDF : 65.8/70

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 4673.046 $\pm$ 1.323 χ^2 /NDF: 777321.1/16

Left Out: 5205.081 $\pm$ 1.017 χ^2 /NDF: 545181.3/17

Right Out: 4359.833 $\pm$ 1.213 χ^2 /NDF: 832191.0/18

Left In: 5178.091 $\pm$ 1.023 χ^2 /NDF: 781575.9/16

Left: 5191.665 $\pm$ 0.721 χ^2 /NDF: 1327107.1/34

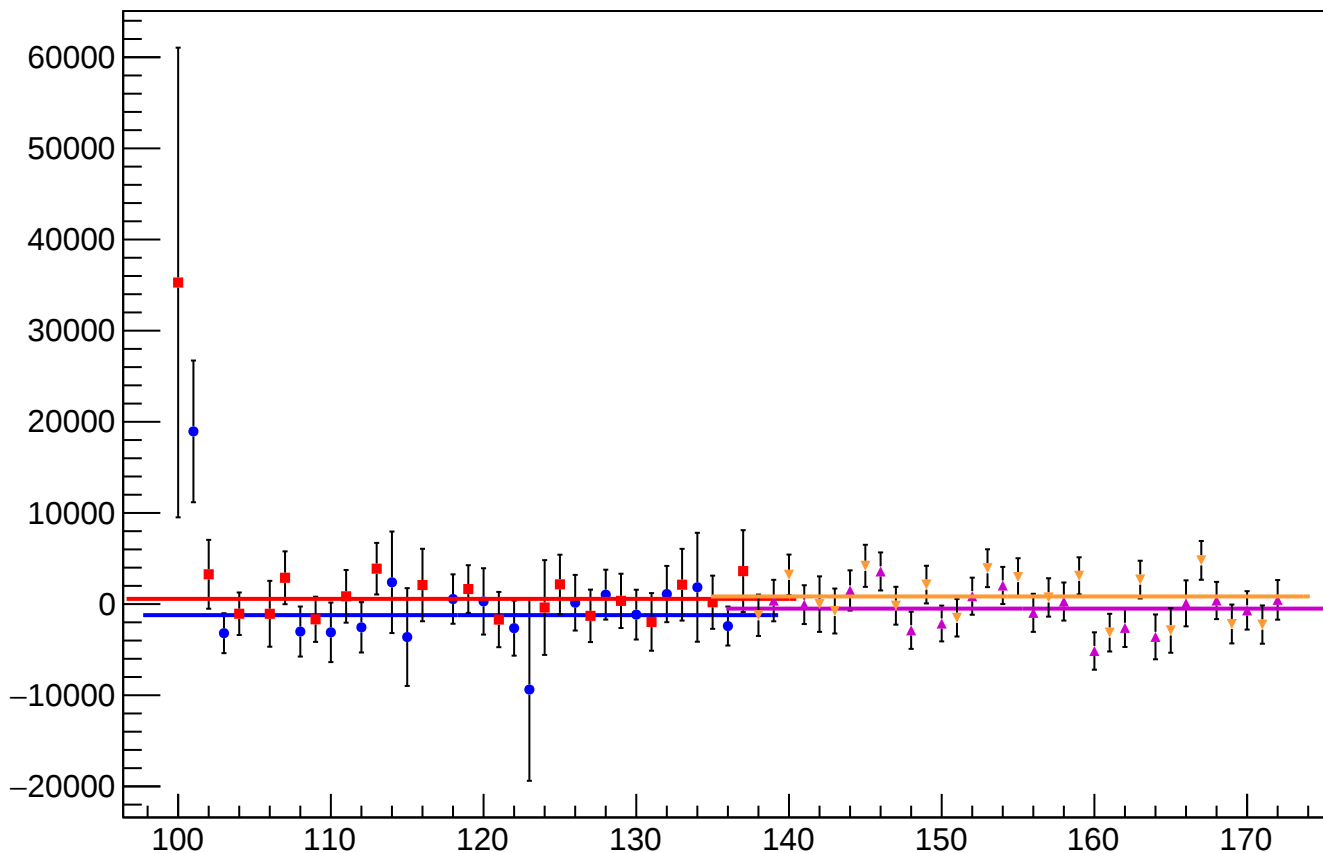
Right: 4502.849 $\pm$ 0.894 χ^2 /NDF: 1639958.3/35

In: 4989.101 $\pm$ 0.809 χ^2 /NDF: 1650063.6/33

Out: 4856.067 $\pm$ 0.779 χ^2 /NDF: 1662461.6/36

All: 4920.072 $\pm$ 0.561 χ^2 /NDF: 3326541.5/70

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -1211.176+/-765.294 χ^2/NDF : 12.7/16

Left Out: 837.941+/-513.429 χ^2/NDF : 25.5/17

Right Out: 573.457+/-730.668 χ^2/NDF : 8.7/18

Left In: -496.581+/-516.316 χ^2/NDF : 17.3/16

Left: 174.421+/-364.066 χ^2/NDF : 46.1/34

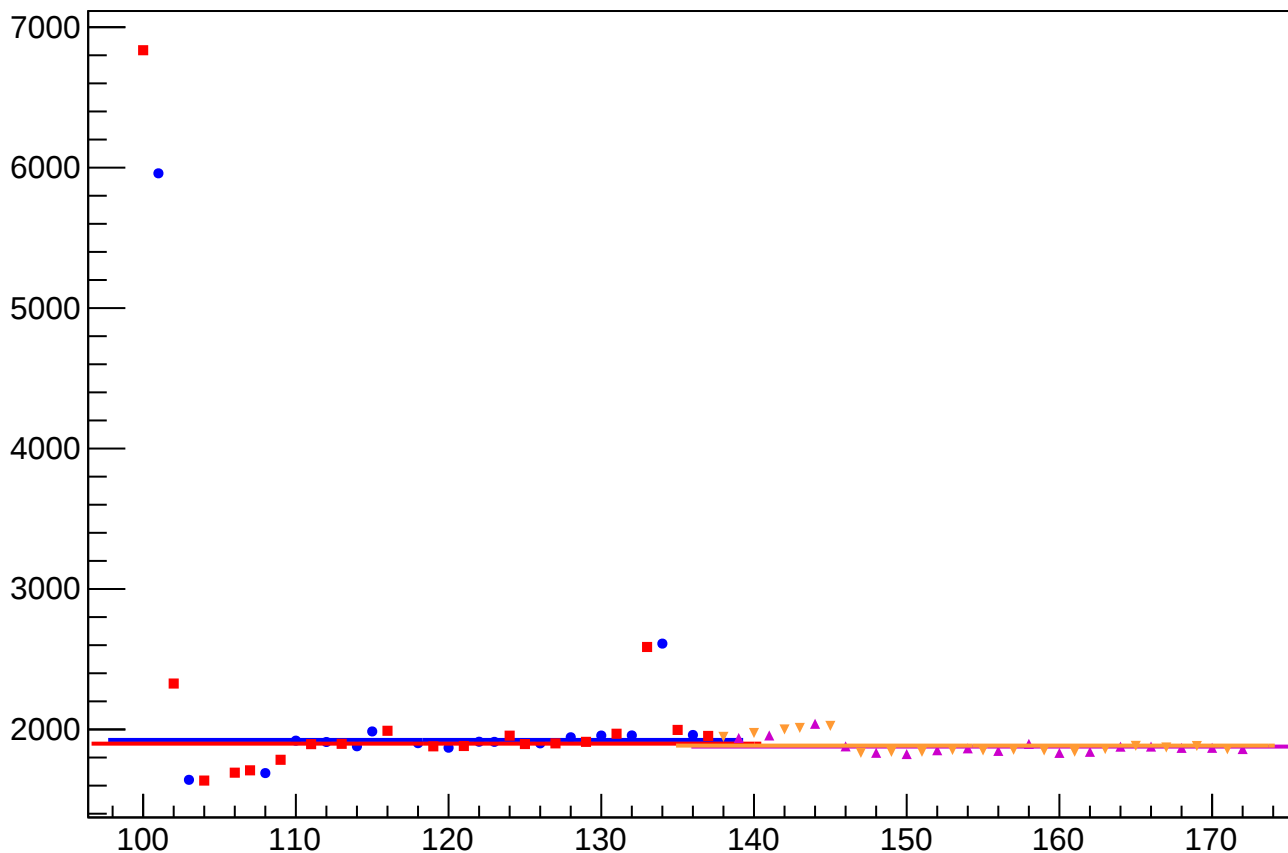
Right: -277.573+/-528.478 χ^2/NDF : 24.2/35

In: -720.103+/-428.015 χ^2/NDF : 30.5/33

Out: 750.516+/-420.087 χ^2/NDF : 34.2/36

All: 28.951+/-299.810 χ^2/NDF : 70.8/70

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1925.320+/-0.541 χ^2/NDF : 615863.6/16

Left Out: 1884.984+/-0.363 χ^2/NDF : 26929.2/17

Right Out: 1898.854+/-0.515 χ^2/NDF : 210875.1/18

Left In: 1877.945+/-0.365 χ^2/NDF : 20222.7/16

Left: 1881.485+/-0.257 χ^2/NDF : 47338.9/34

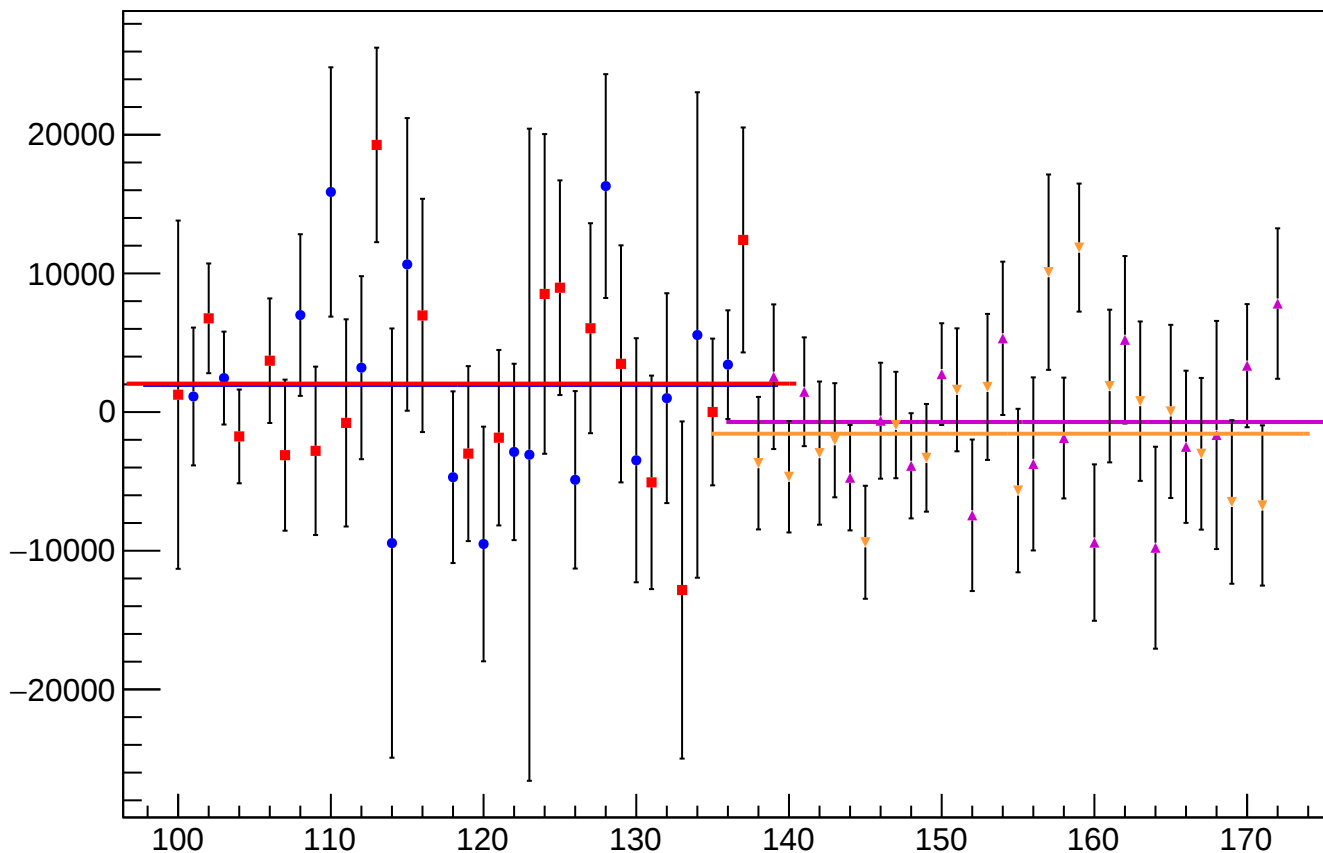
Right: 1911.445+/-0.373 χ^2/NDF : 827992.7/35

In: 1892.764+/-0.303 χ^2/NDF : 641353.2/33

Out: 1889.583+/-0.297 χ^2/NDF : 238288.2/36

All: 1891.143+/-0.212 χ^2/NDF : 879697.8/70

asym_atr_dd_correction_mean vs Slug, Sign Corrected



Right In: 1959.060+/-1556.840 χ^2/NDF : 12.9/16

Left Out: -1560.002+/-1146.737 χ^2/NDF : 19.6/17

Right Out: 2052.842+/-1413.641 χ^2/NDF : 17.4/18

Left In: -713.610+/-1172.816 χ^2/NDF : 14.7/16

Left: -1146.321+/-819.930 χ^2/NDF : 34.6/34

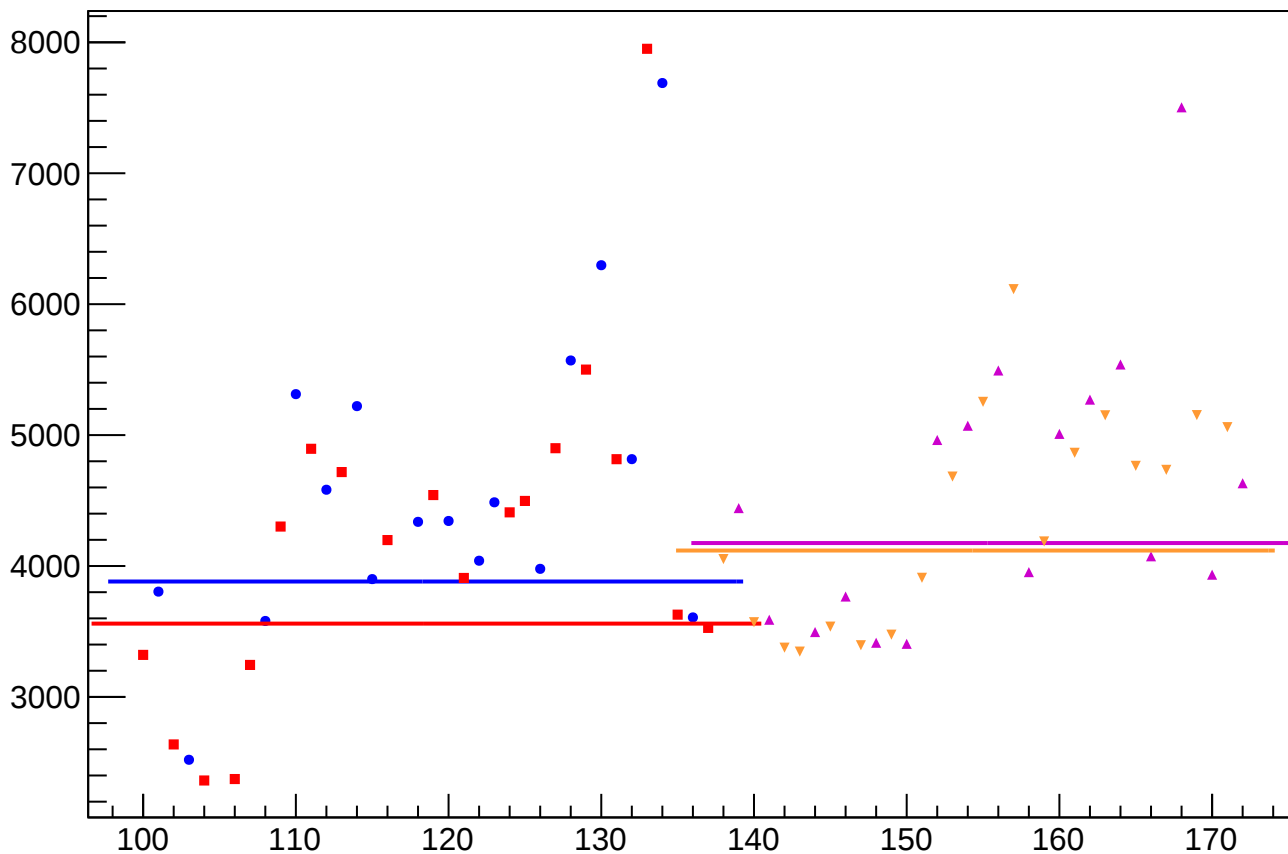
Right: 2010.461+/-1046.568 χ^2/NDF : 30.4/35

In: 254.016+/-936.753 χ^2/NDF : 29.6/33

Out: -126.149+/-890.568 χ^2/NDF : 41.0/36

All: 54.331+/-645.437 χ^2/NDF : 70.6/70

asym_atr_dd_correction_rms vs Slug, Sign Corrected



Right In: 3881.577 $\pm$ 1.101 χ^2 /NDF: 817466.6/16

Left Out: 4118.274 $\pm$ 0.811 χ^2 /NDF:841268.2/17

Right Out: 3560.054 $\pm$ 1.000 χ^2 /NDF: 1241523.0/18

Left In: 4175.442 $\pm$ 0.829 χ^2 /NDF:1017824.1/16

Left: 4146.216 $\pm$ 0.580 χ^2 /NDF: 1861521.7/34

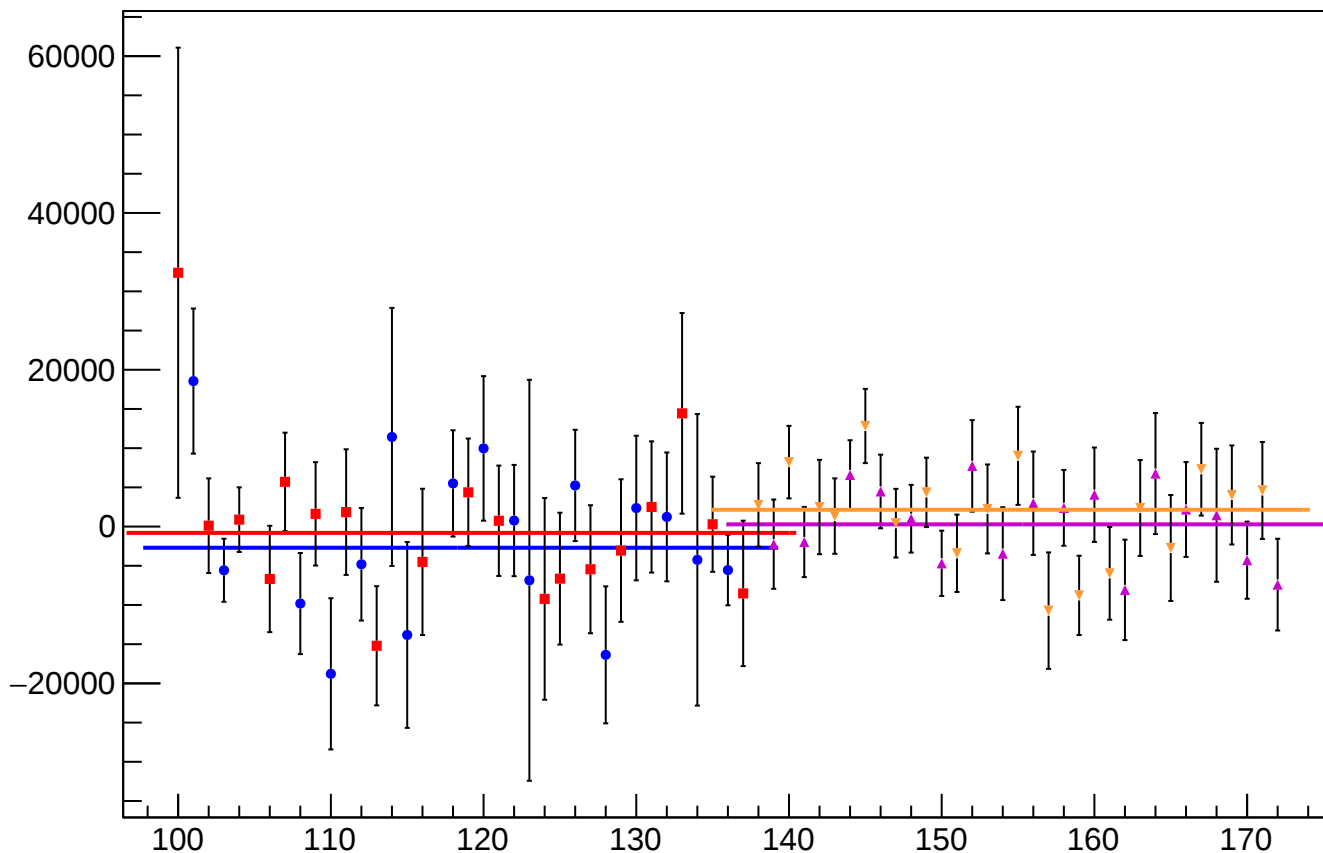
Right: 3705.352 $\pm$ 0.740 χ^2 /NDF: 2105744.2/35

In: 4069.050 $\pm$ 0.662 χ^2 /NDF:1880750.5/33

Out: 3896.729 $\pm$ 0.630 χ^2 /NDF:2270882.7/36

All: 3978.537 $\pm$ 0.456 χ^2 /NDF: 4187182.3/70

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -2700.702 ± 1809.055 $\chi^2/\text{NDF}: 19.8/16$

Left Out: 2142.443 ± 1277.420 $\chi^2/\text{NDF}: 20.8/17$

Right Out: -805.951 ± 1690.353 $\chi^2/\text{NDF}: 11.6/18$

Left In: 284.338 ± 1299.032 $\chi^2/\text{NDF}: 12.6/16$

Left: 1228.976 ± 910.817 $\chi^2/\text{NDF}: 34.5/34$

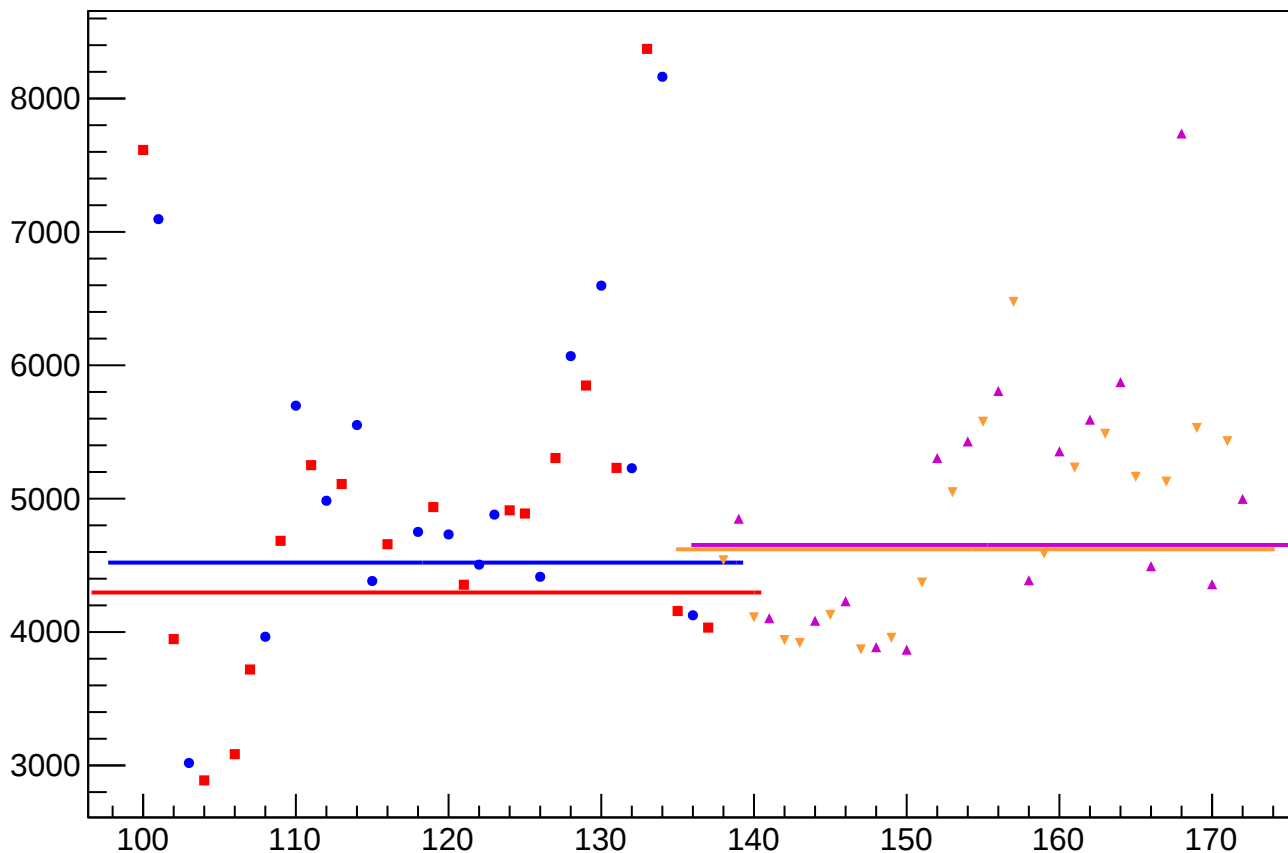
Right: -1689.130 ± 1235.094 $\chi^2/\text{NDF}: 31.9/35$

In: -731.195 ± 1055.173 $\chi^2/\text{NDF}: 34.2/33$

Out: 1070.692 ± 1019.135 $\chi^2/\text{NDF}: 34.3/36$

All: 201.045 ± 733.047 $\chi^2/\text{NDF}: 70.0/70$

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 4520.685 $\pm$ 1.279 χ^2/NDF : 770887.4/16

Left Out: 4620.379 $\pm$ 0.903 χ^2/NDF : 571557.7/17

Right Out: 4296.527 $\pm$ 1.189 χ^2/NDF : 771785.2/18

Left In: 4652.966 $\pm$ 0.919 χ^2/NDF : 742588.8/16

Left: 4636.399 $\pm$ 0.644 χ^2/NDF : 1314786.3/34

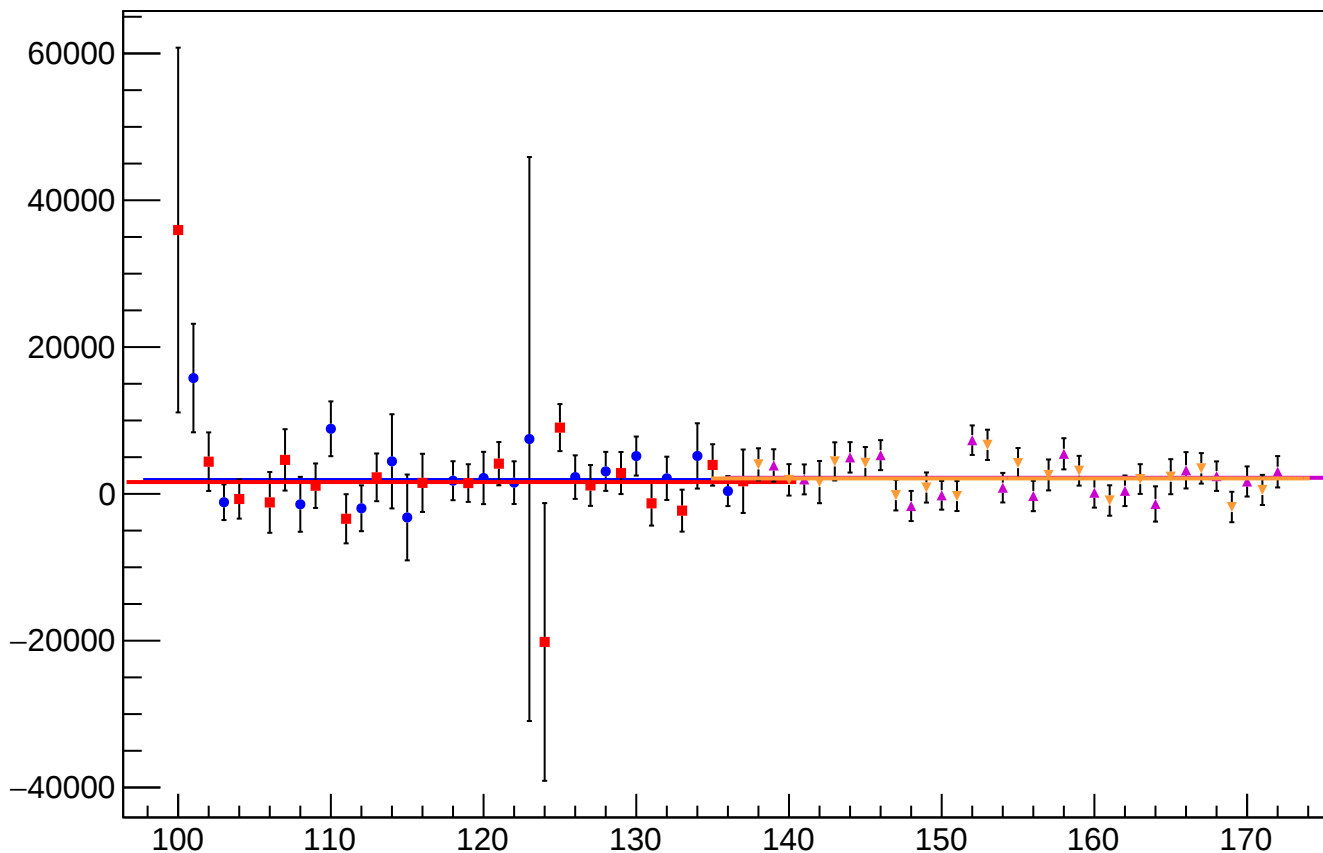
Right: 4400.391 $\pm$ 0.871 χ^2/NDF : 1559151.4/35

In: 4607.963 $\pm$ 0.746 χ^2/NDF : 1520531.8/33

Out: 4501.823 $\pm$ 0.719 χ^2/NDF : 1390401.1/36

All: 4552.942 $\pm$ 0.518 χ^2/NDF : 2921423.1/70

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 1887.915 $\pm$ 783.827 χ^2 /NDF: 14.7/16

Left Out: 2106.969 $\pm$ 505.440 χ^2 /NDF:18.5/17

Right Out: 1610.310 $\pm$ 765.843 χ^2 /NDF: 17.5/18

Left In: 2190.741 $\pm$ 507.696 χ^2 /NDF:24.7/16

Left: 2148.669 $\pm$ 358.195 χ^2 /NDF: 43.2/34

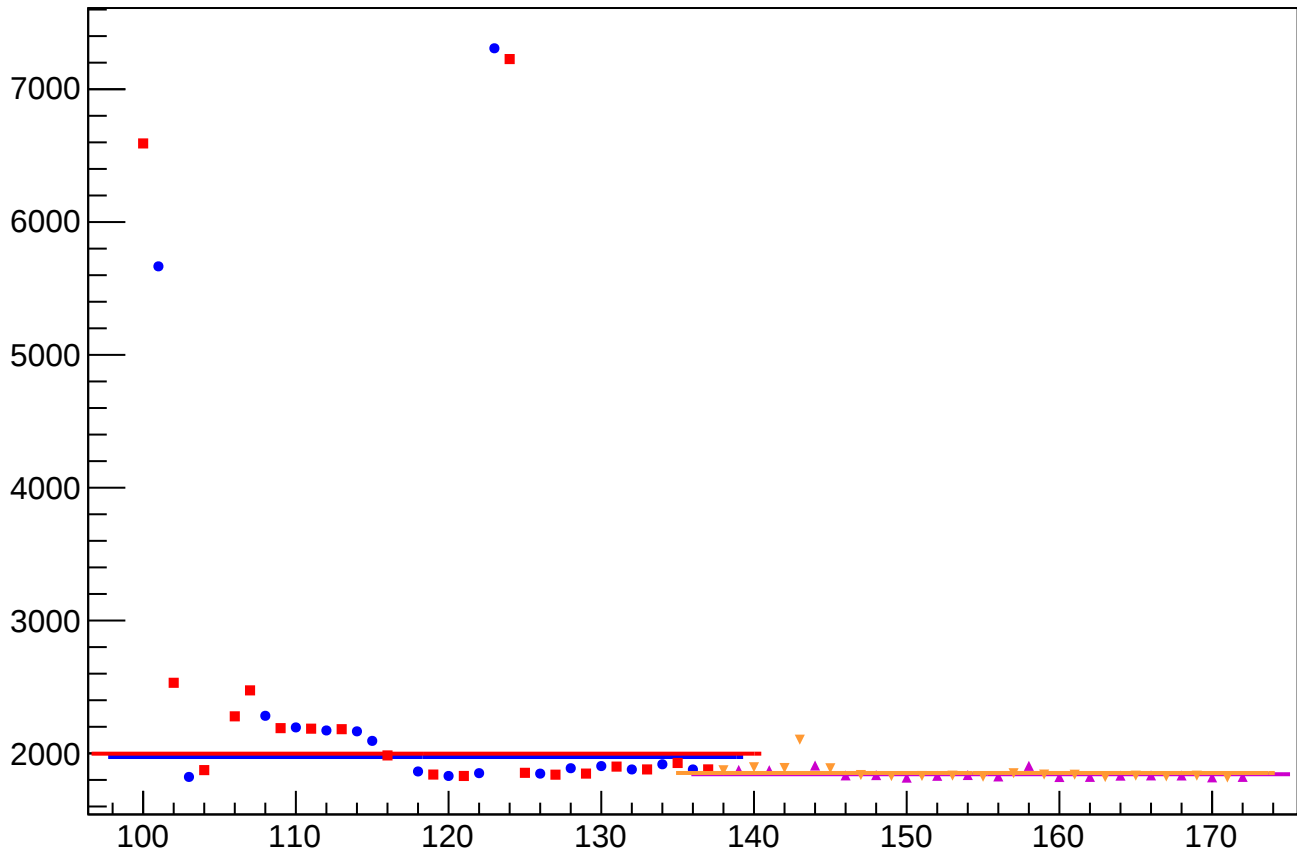
Right: 1745.891 $\pm$ 547.780 χ^2 /NDF: 32.2/35

In: 2101.243 $\pm$ 426.119 χ^2 /NDF:39.5/33

Out: 1956.276 $\pm$ 421.849 χ^2 /NDF:36.2/36

All: 2028.029 $\pm$ 299.791 χ^2 /NDF: 75.8/70

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1972.484 ± 0.554 χ^2/NDF : 600869.6/16

Left Out: 1852.299 ± 0.357 χ^2/NDF : 23471.7/17

Right Out: 1997.647 ± 0.542 χ^2/NDF : 355572.5/18

Left In: 1842.851 ± 0.359 χ^2/NDF : 6199.2/16

Left: 1847.596 ± 0.253 χ^2/NDF : 30018.8/34

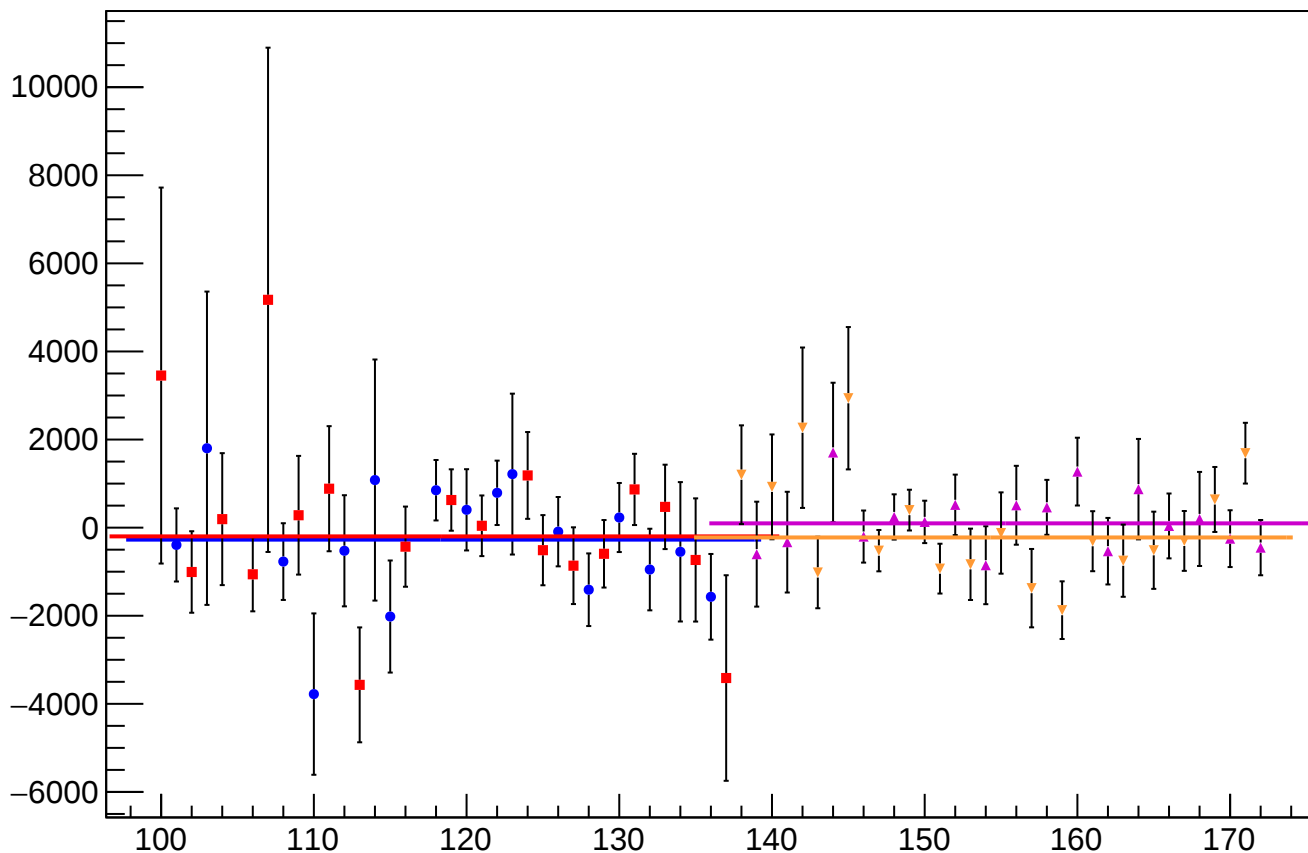
Right: 1985.358 ± 0.387 χ^2/NDF : 957496.6/35

In: 1881.163 ± 0.301 χ^2/NDF : 645605.6/33

Out: 1896.400 ± 0.298 χ^2/NDF : 429226.4/36

All: 1888.858 ± 0.212 χ^2/NDF : 1076123.4/70

asym_at1_avg_correction_mean vs Slug, Sign Corrected



Right In: -271.773 ± 240.214 χ^2/NDF : 17.2/16

Left Out: -222.758 ± 173.056 χ^2/NDF : 31.2/17

Right Out: -198.424 ± 229.035 χ^2/NDF : 19.7/18

Left In: 97.454 ± 176.977 χ^2/NDF : 8.5/16

Left: -66.238 ± 123.732 χ^2/NDF : 41.4/34

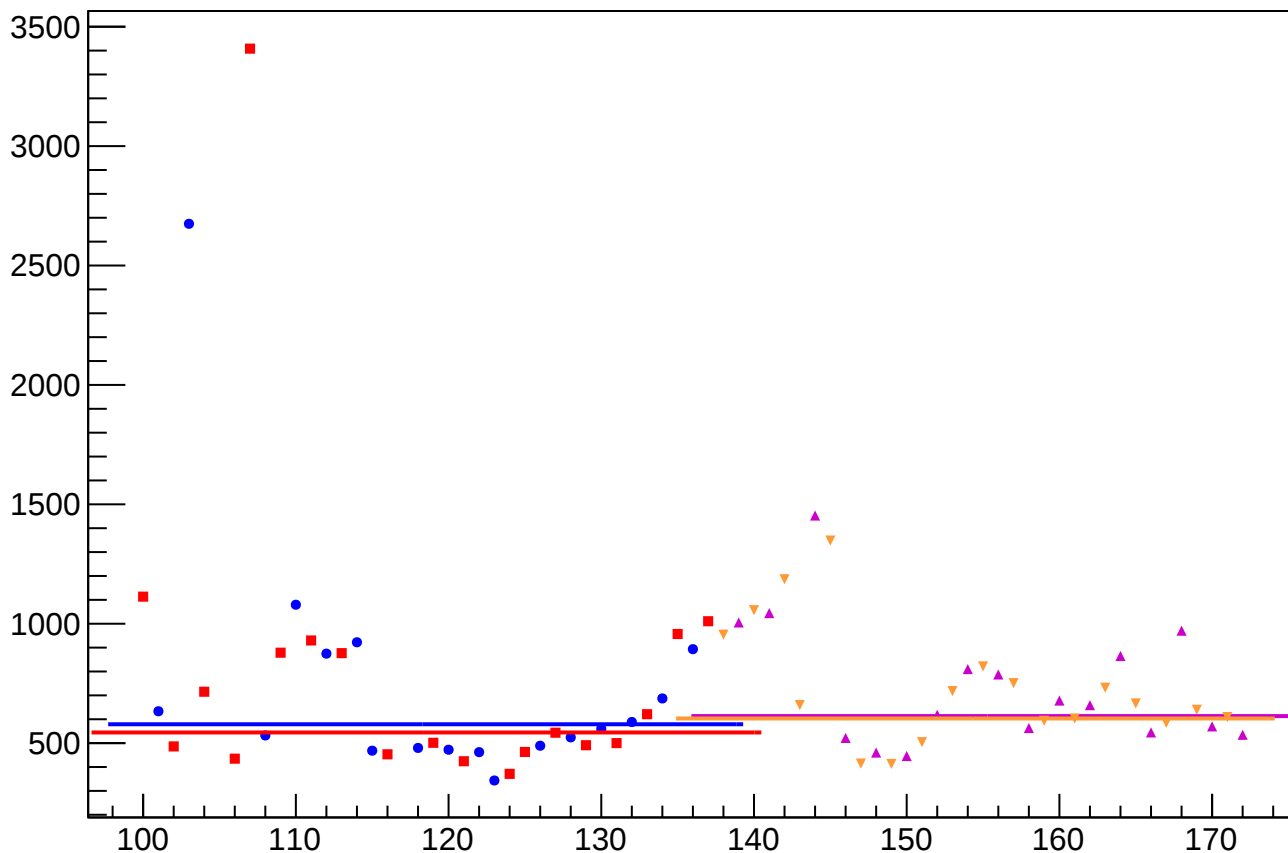
Right: -233.352 ± 165.764 χ^2/NDF : 37.0/35

In: -32.449 ± 142.483 χ^2/NDF : 27.3/33

Out: -213.914 ± 138.074 χ^2/NDF : 50.9/36

All: -126.033 ± 99.155 χ^2/NDF : 79.0/70

asym_at1_avg_correction_rms vs Slug, Sign Corrected



Right In: 579.010+/-0.170 χ^2/NDF : 1422148.6/16

Left Out: 603.235+/-0.122 χ^2/NDF : 2122959.4/17

Right Out: 544.674+/-0.162 χ^2/NDF : 1457799.9/18

Left In: 613.235+/-0.125 χ^2/NDF : 2118506.4/16

Left: 608.123+/-0.087 χ^2/NDF : 4244730.1/34

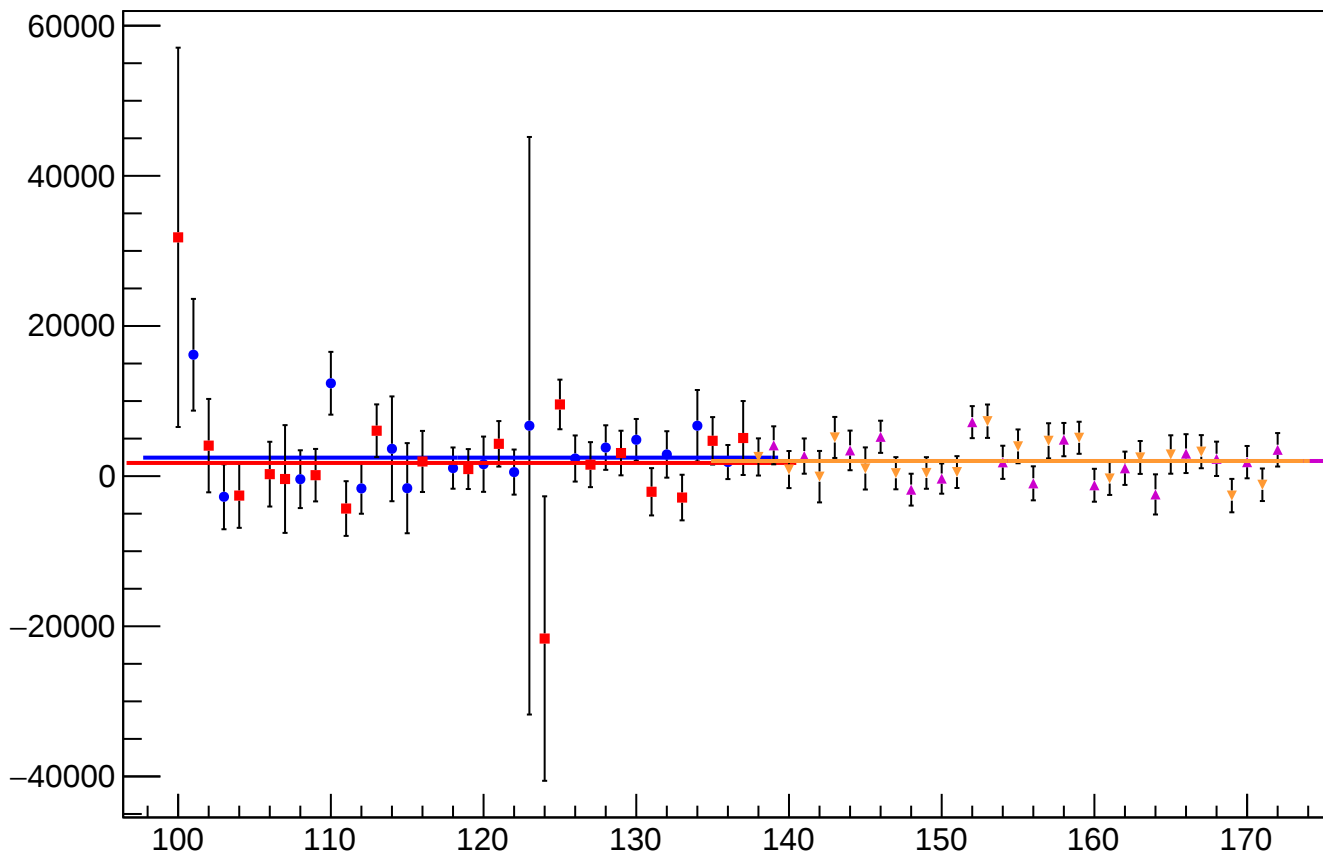
Right: 561.024+/-0.117 χ^2/NDF : 2901353.8/35

In: 601.194+/-0.101 χ^2/NDF : 3566969.4/33

Out: 581.952+/-0.098 χ^2/NDF : 3663991.4/36

All: 591.270+/-0.070 χ^2/NDF : 7249770.9/70

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2464.076+/-863.197 χ^2/NDF : 15.5/16

Left Out: 2015.203+/-547.961 χ^2/NDF : 21.6/17

Right Out: 1756.788+/-853.292 χ^2/NDF : 20.5/18

Left In: 2018.058+/-550.535 χ^2/NDF : 22.9/16

Left: 2016.624+/-388.374 χ^2/NDF : 44.5/34

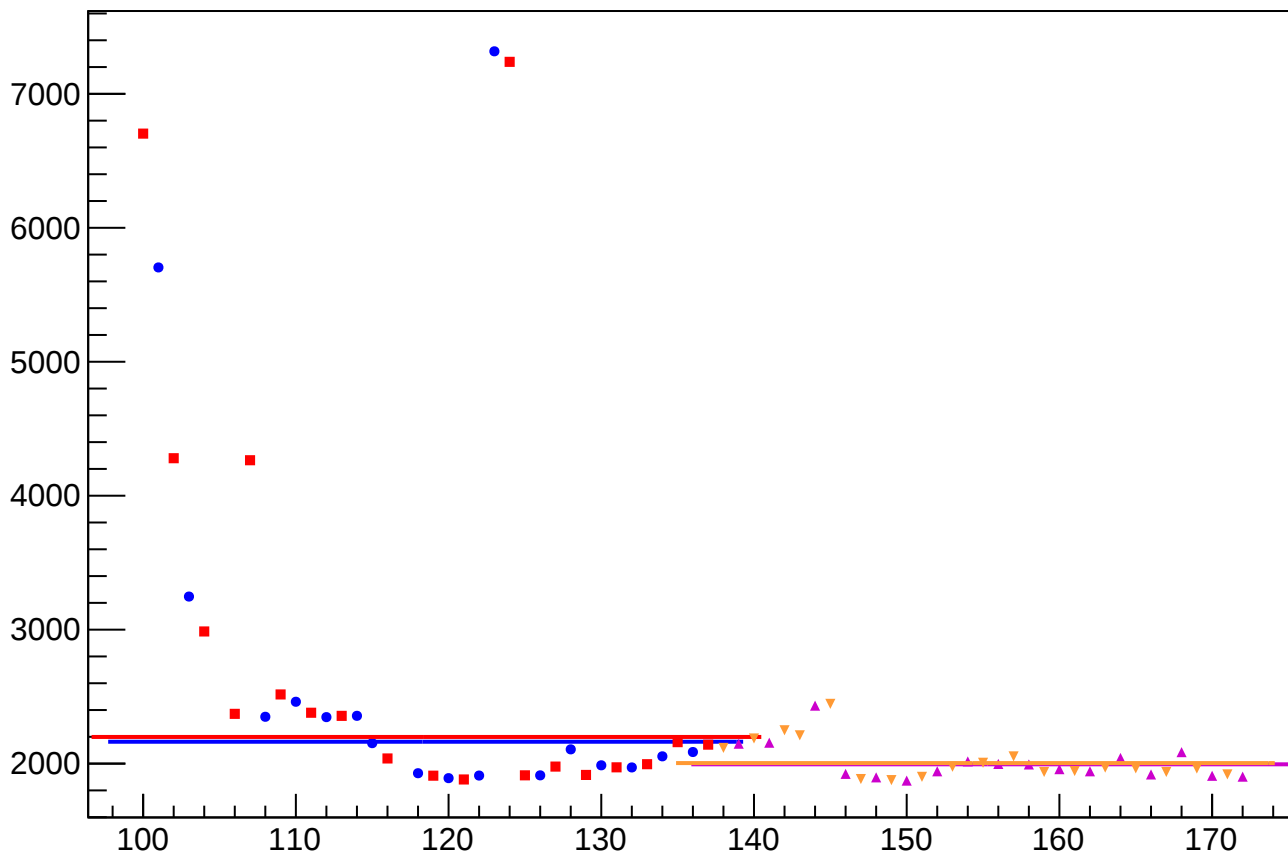
Right: 2106.351+/-606.840 χ^2/NDF : 36.4/35

In: 2147.025+/-464.166 χ^2/NDF : 38.6/33

Out: 1939.751+/-461.077 χ^2/NDF : 42.1/36

All: 2042.696+/-327.117 χ^2/NDF : 80.9/70

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2163.303+/-0.610 χ^2/NDF : 709584.4/16

Left Out: 2003.981+/-0.387 χ^2/NDF : 115920.3/17

Right Out: 2199.003+/-0.603 χ^2/NDF : 803297.2/18

Left In: 1994.732+/-0.389 χ^2/NDF : 100728.1/16

Left: 1999.378+/-0.275 χ^2/NDF : 216931.9/34

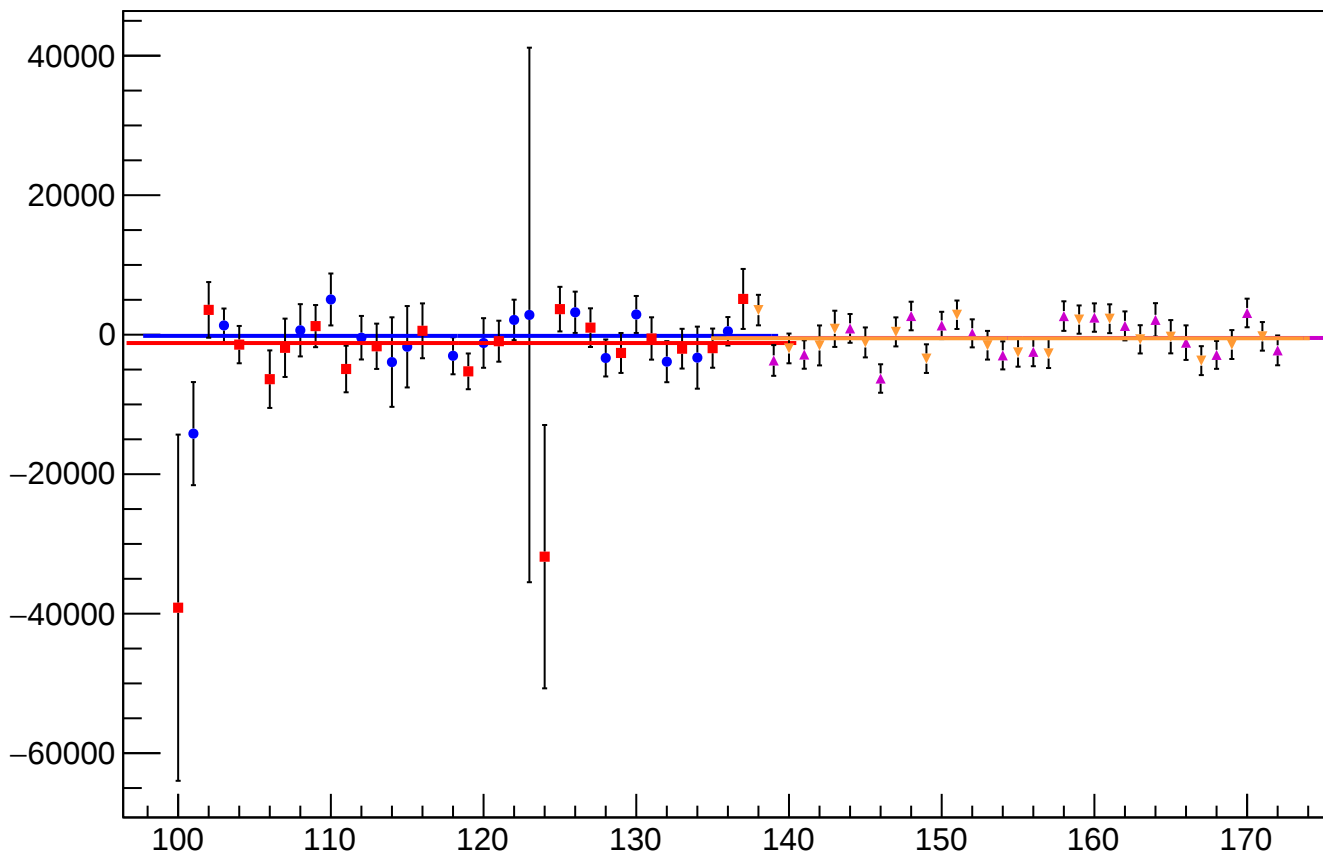
Right: 2181.359+/-0.429 χ^2/NDF : 1514611.9/35

In: 2043.475+/-0.328 χ^2/NDF : 864531.3/33

Out: 2060.923+/-0.326 χ^2/NDF : 993186.6/36

All: 2052.257+/-0.231 χ^2/NDF : 1859140.5/70

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -170.351+/-782.384 χ^2/NDF : 14.5/16

Left Out: -513.313+/-504.530 χ^2/NDF :17.8/17

Right Out: -1197.543+/-764.254 χ^2/NDF : 18.2/18

Left In: -470.957+/-507.062 χ^2/NDF :29.2/16

Left: -492.241+/-357.649 χ^2/NDF : 47.0/34

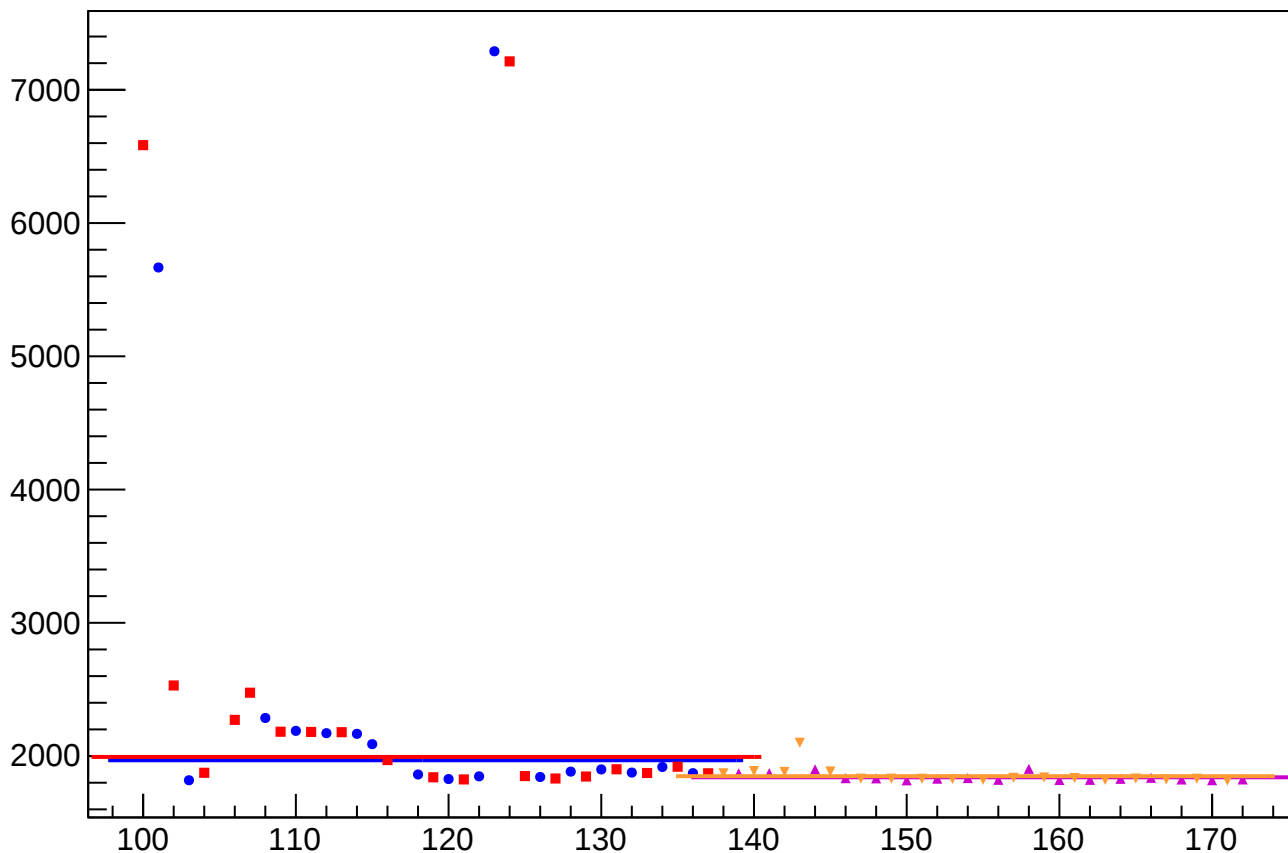
Right: -695.987+/-546.706 χ^2/NDF : 33.6/35

In: -382.041+/-425.512 χ^2/NDF :43.9/33

Out: -720.997+/-421.054 χ^2/NDF :36.5/36

All: -553.304+/-299.294 χ^2/NDF : 80.7/70

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1968.632 $\pm$ 0.553 χ^2 /NDF: 602972.8/16

Left Out: 1848.998 $\pm$ 0.357 χ^2 /NDF:23048.8/17

Right Out: 1993.422 $\pm$ 0.540 χ^2 /NDF: 356172.4/18

Left In: 1840.561 $\pm$ 0.359 χ^2 /NDF:5799.6/16

Left: 1844.801 $\pm$ 0.253 χ^2 /NDF: 29126.6/34

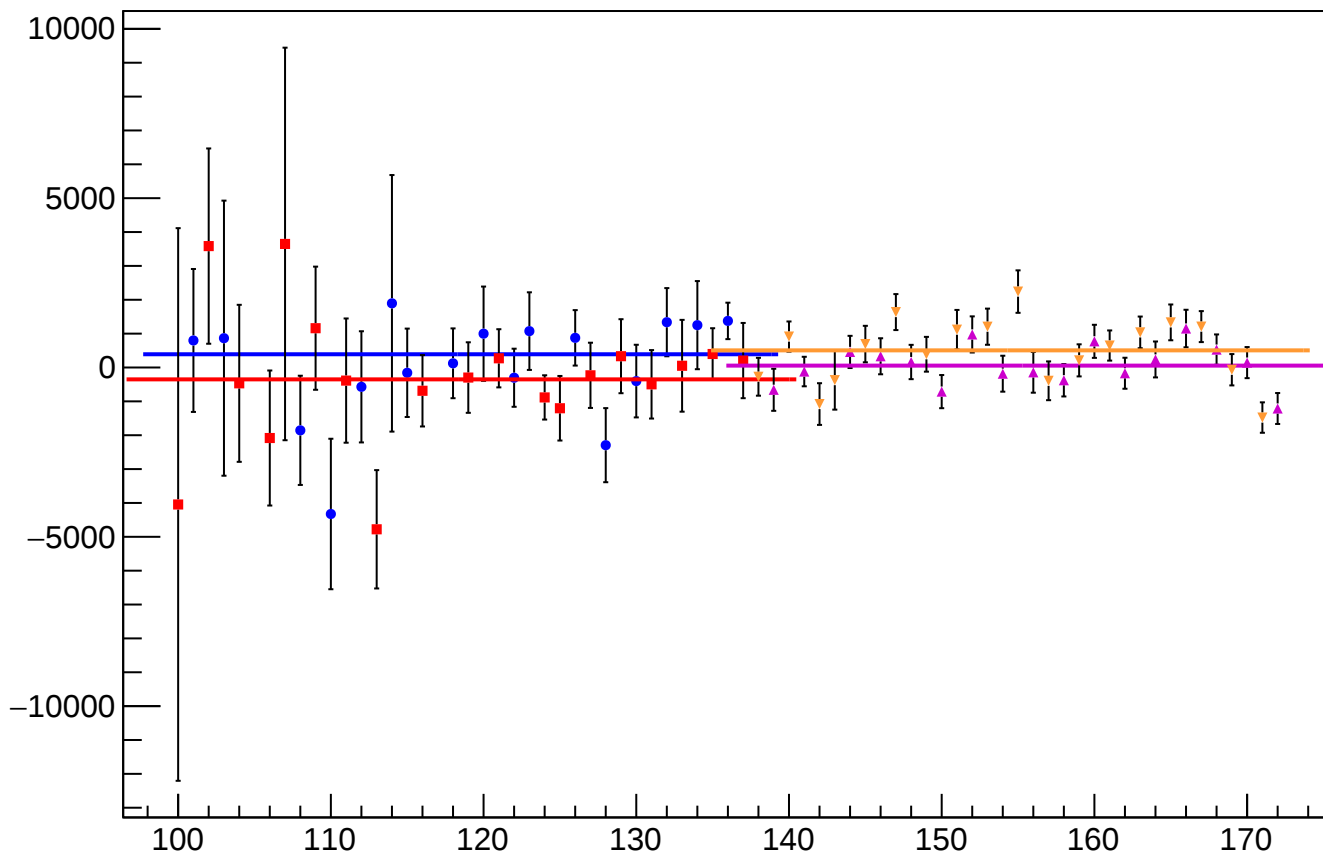
Right: 1981.318 $\pm$ 0.387 χ^2 /NDF: 960172.6/35

In: 1878.444 $\pm$ 0.301 χ^2 /NDF:646511.7/33

Out: 1892.835 $\pm$ 0.298 χ^2 /NDF:428964.8/36

All: 1885.715 $\pm$ 0.212 χ^2 /NDF: 1076632.3/70

asym_at1_dd_correction_mean vs Slug, Sign Corrected



Right In: 390.923 ± 270.128 χ^2/NDF : 20.0/16

Left Out: 506.031 ± 122.093 χ^2/NDF : 55.7/17

Right Out: -350.642 ± 266.097 χ^2/NDF : 14.2/18

Left In: 55.527 ± 120.942 χ^2/NDF : 24.3/16

Left: 278.646 ± 85.923 χ^2/NDF : 86.9/34

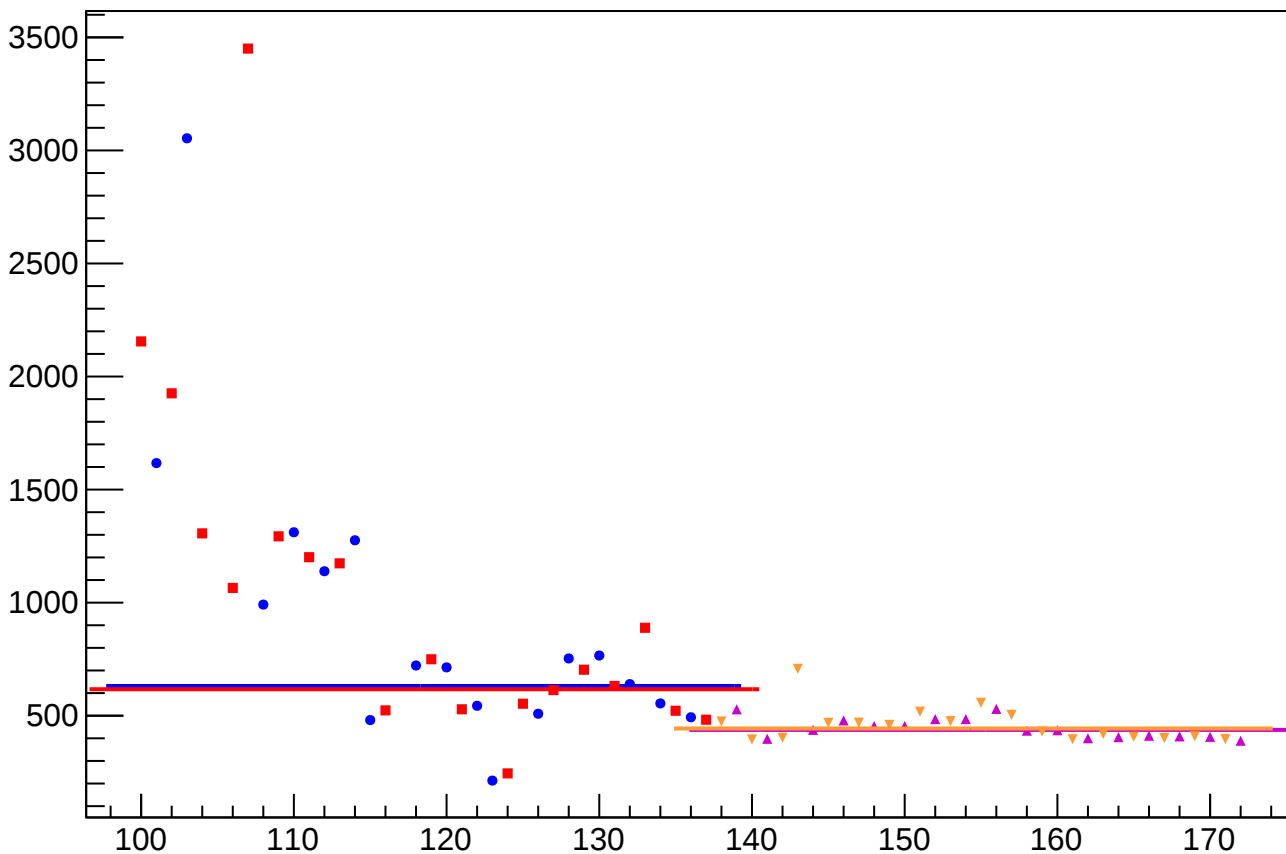
Right: 14.566 ± 189.568 χ^2/NDF : 38.1/35

In: 111.532 ± 110.384 χ^2/NDF : 45.7/33

Out: 357.046 ± 110.969 χ^2/NDF : 78.5/36

All: 233.640 ± 78.259 χ^2/NDF : 126.6/70

asym_at1_dd_correction_rms vs Slug, Sign Corrected



Right In: 631.430+/-0.191 χ^2/NDF : 2260692.7/16

Left Out: 443.525+/-0.086 χ^2/NDF : 450715.3/17

Right Out: 617.035+/-0.188 χ^2/NDF : 2802149.9/18

Left In: 437.254+/-0.086 χ^2/NDF : 220514.6/16

Left: 440.360+/-0.061 χ^2/NDF : 673892.4/34

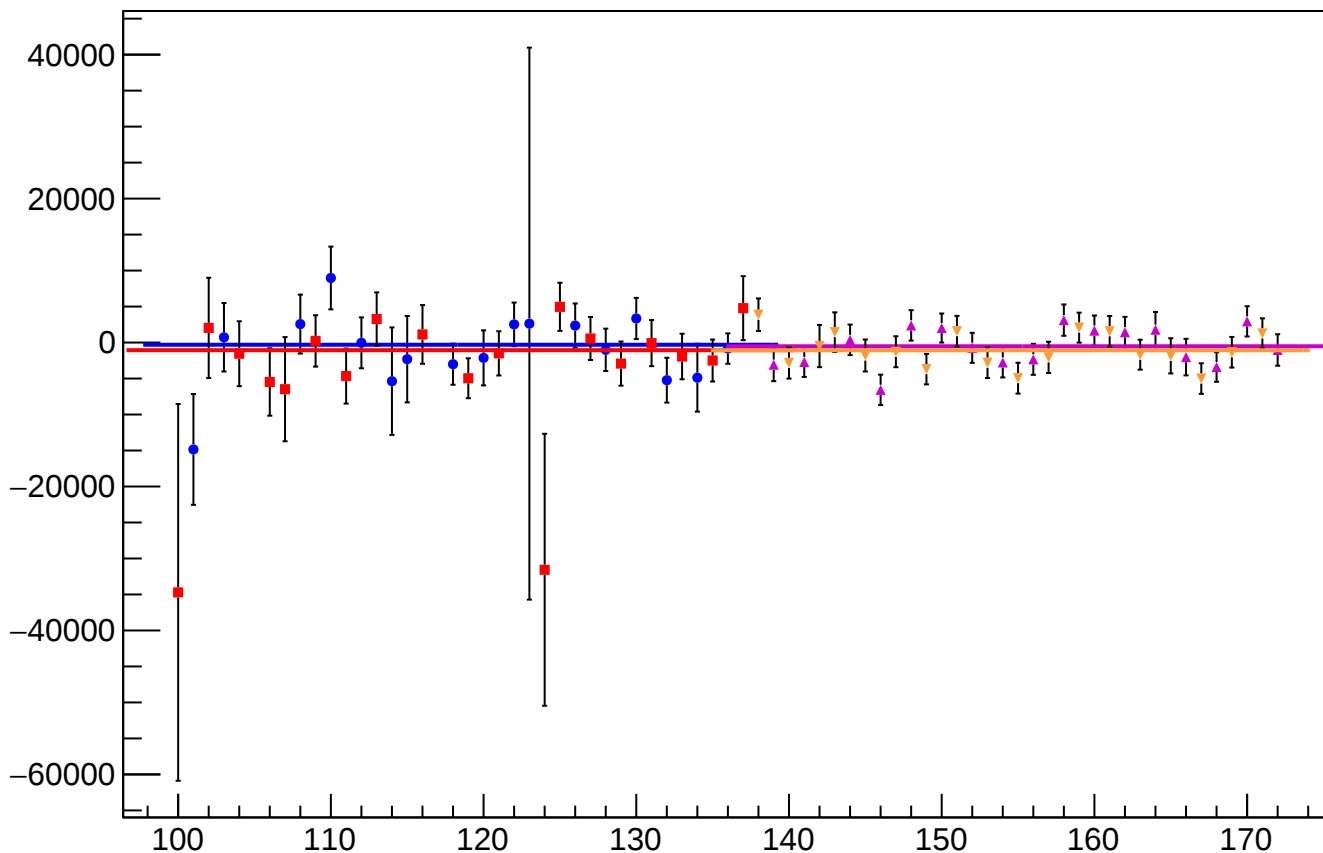
Right: 624.124+/-0.134 χ^2/NDF : 5065724.7/35

In: 469.678+/-0.078 χ^2/NDF : 3342067.2/33

Out: 473.700+/-0.078 χ^2/NDF : 3955340.5/36

All: 471.678+/-0.055 χ^2/NDF : 7298728.4/70

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -305.713 ± 871.922 χ^2/NDF : 17.2/16

Left Out: -1069.037 ± 520.633 χ^2/NDF : 22.3/17

Right Out: -1056.856 ± 867.445 χ^2/NDF : 16.6/18

Left In: -516.086 ± 522.265 χ^2/NDF : 26.7/16

Left: -793.427 ± 368.719 χ^2/NDF : 49.6/34

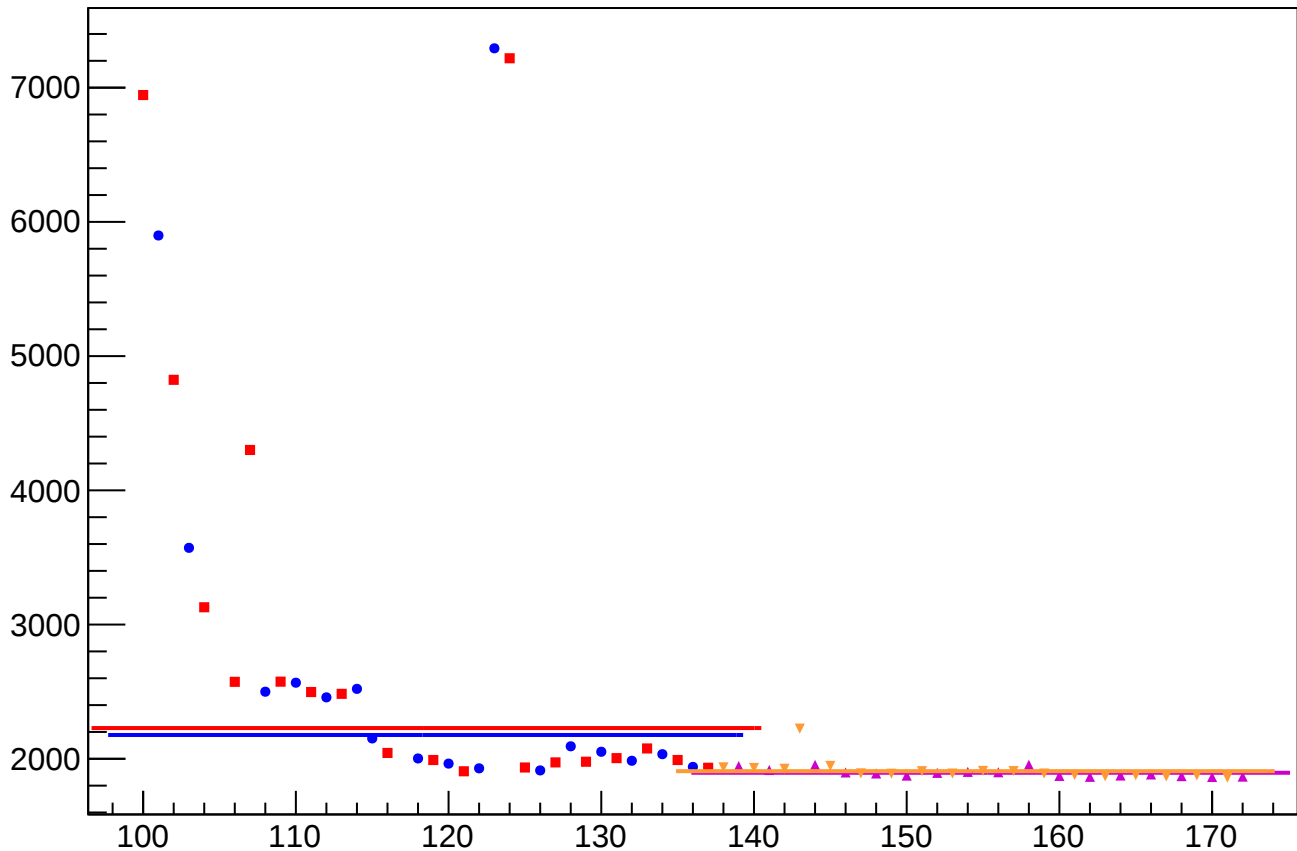
Right: -683.218 ± 614.953 χ^2/NDF : 34.2/35

In: -460.538 ± 448.040 χ^2/NDF : 43.9/33

Out: -1065.811 ± 446.401 χ^2/NDF : 39.0/36

All: -764.283 ± 316.231 χ^2/NDF : 83.8/70

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2177.446 $\pm$ 0.617 χ^2 /NDF: 802836.7/16

Left Out: 1907.905 $\pm$ 0.368 χ^2 /NDF:31894.9/17

Right Out: 2229.014 $\pm$ 0.613 χ^2 /NDF: 895809.1/18

Left In: 1895.894 $\pm$ 0.369 χ^2 /NDF:6342.1/16

Left: 1901.918 $\pm$ 0.261 χ^2 /NDF: 38767.7/34

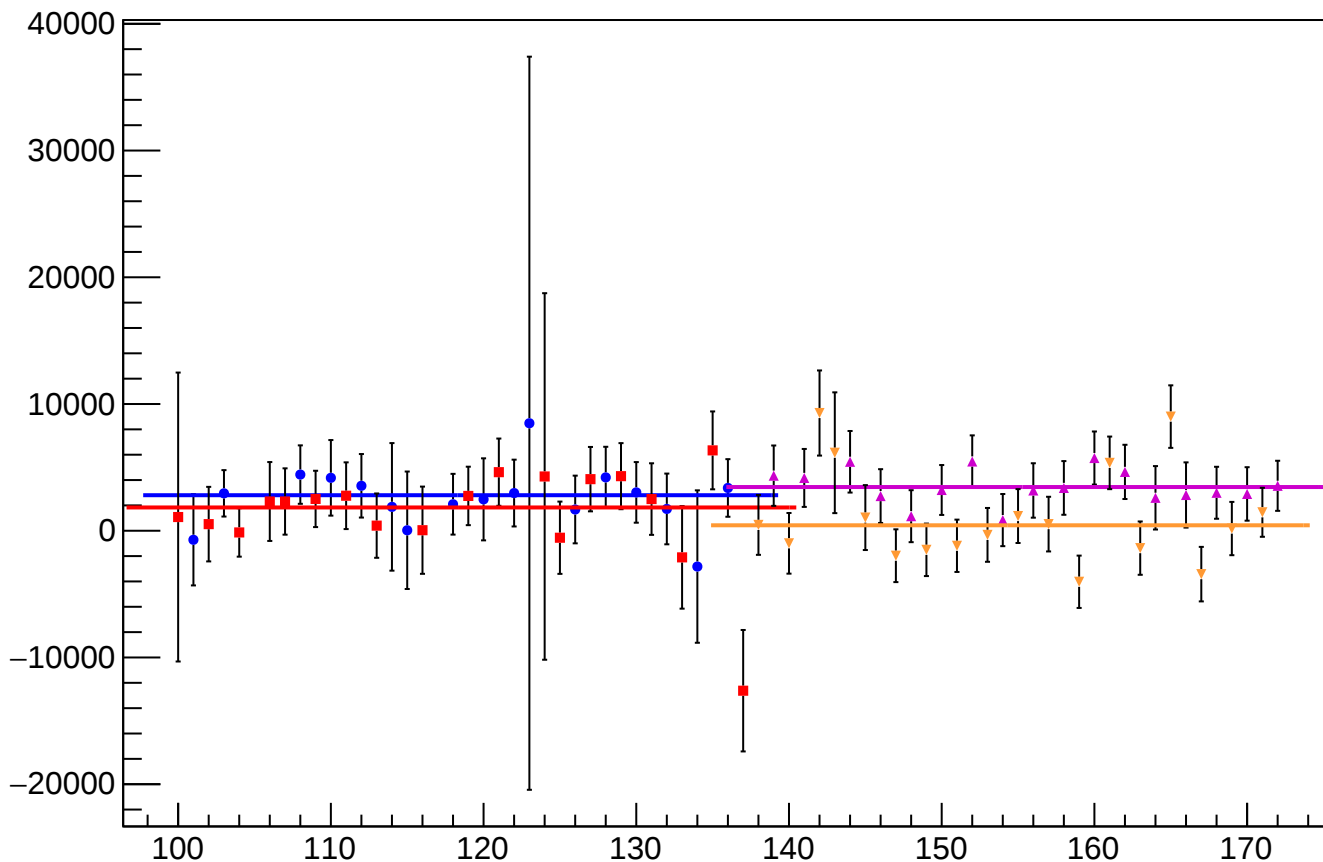
Right: 2203.363 $\pm$ 0.435 χ^2 /NDF: 1702161.6/35

In: 1970.236 $\pm$ 0.317 χ^2 /NDF:962656.5/33

Out: 1992.945 $\pm$ 0.316 χ^2 /NDF:1129186.9/36

All: 1981.632 $\pm$ 0.224 χ^2 /NDF: 2094421.7/70

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2803.917+/-678.548 χ^2/NDF : 3.9/16

Left Out: 430.607+/-529.837 χ^2/NDF : 38.5/17

Right Out: 1837.168+/-655.307 χ^2/NDF : 18.0/18

Left In: 3449.114+/-523.948 χ^2/NDF : 6.7/16

Left: 1956.729+/-372.552 χ^2/NDF : 61.6/34

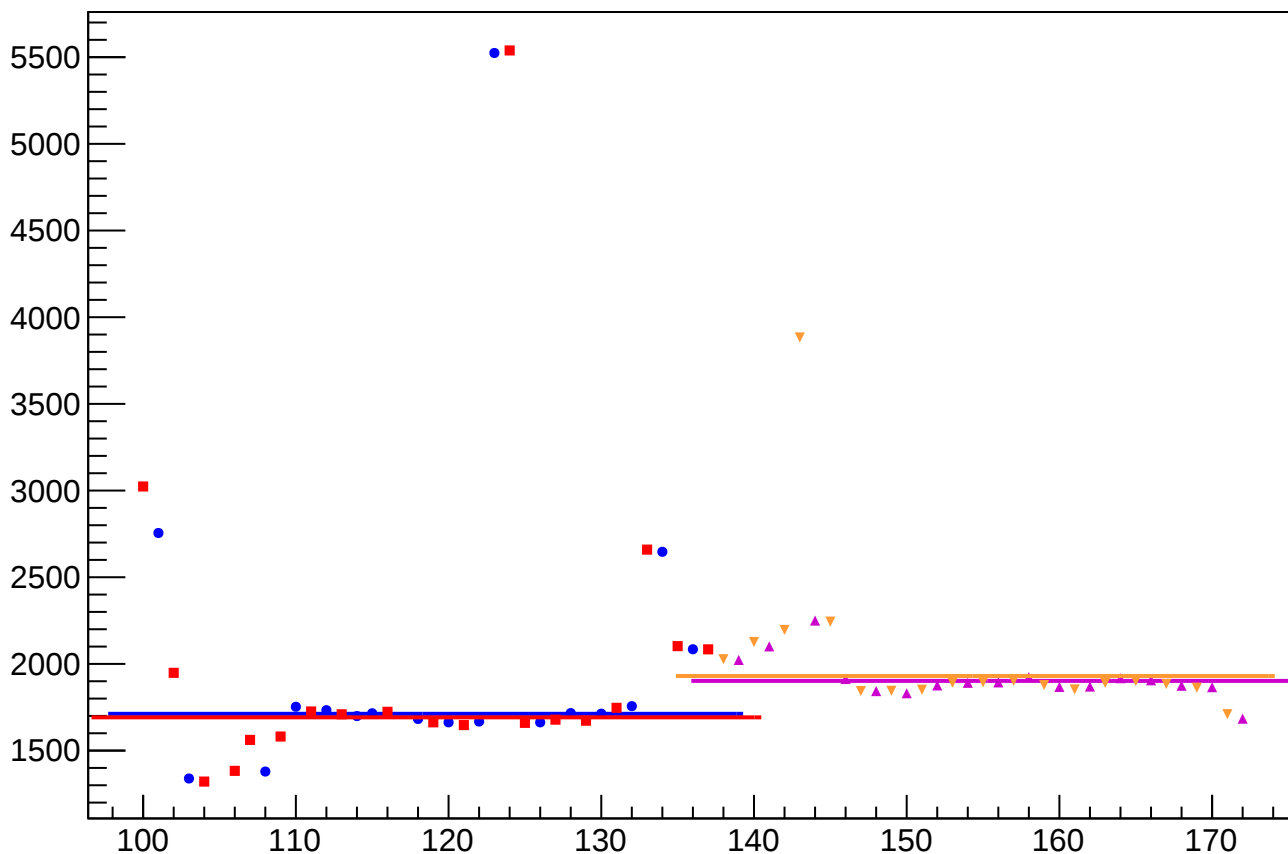
Right: 2303.702+/-471.374 χ^2/NDF : 23.0/35

In: 3208.117+/-414.706 χ^2/NDF : 11.2/33

Out: 986.628+/-412.013 χ^2/NDF : 59.3/36

All: 2090.135+/-292.285 χ^2/NDF : 84.9/70

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1712.154+/-0.480 χ^2/NDF : 432478.4/16

Left Out: 1930.279+/-0.375 χ^2/NDF : 440584.2/17

Right Out: 1691.747+/-0.463 χ^2/NDF : 454922.1/18

Left In: 1902.081+/-0.370 χ^2/NDF : 92693.2/16

Left: 1916.022+/-0.263 χ^2/NDF : 536141.5/34

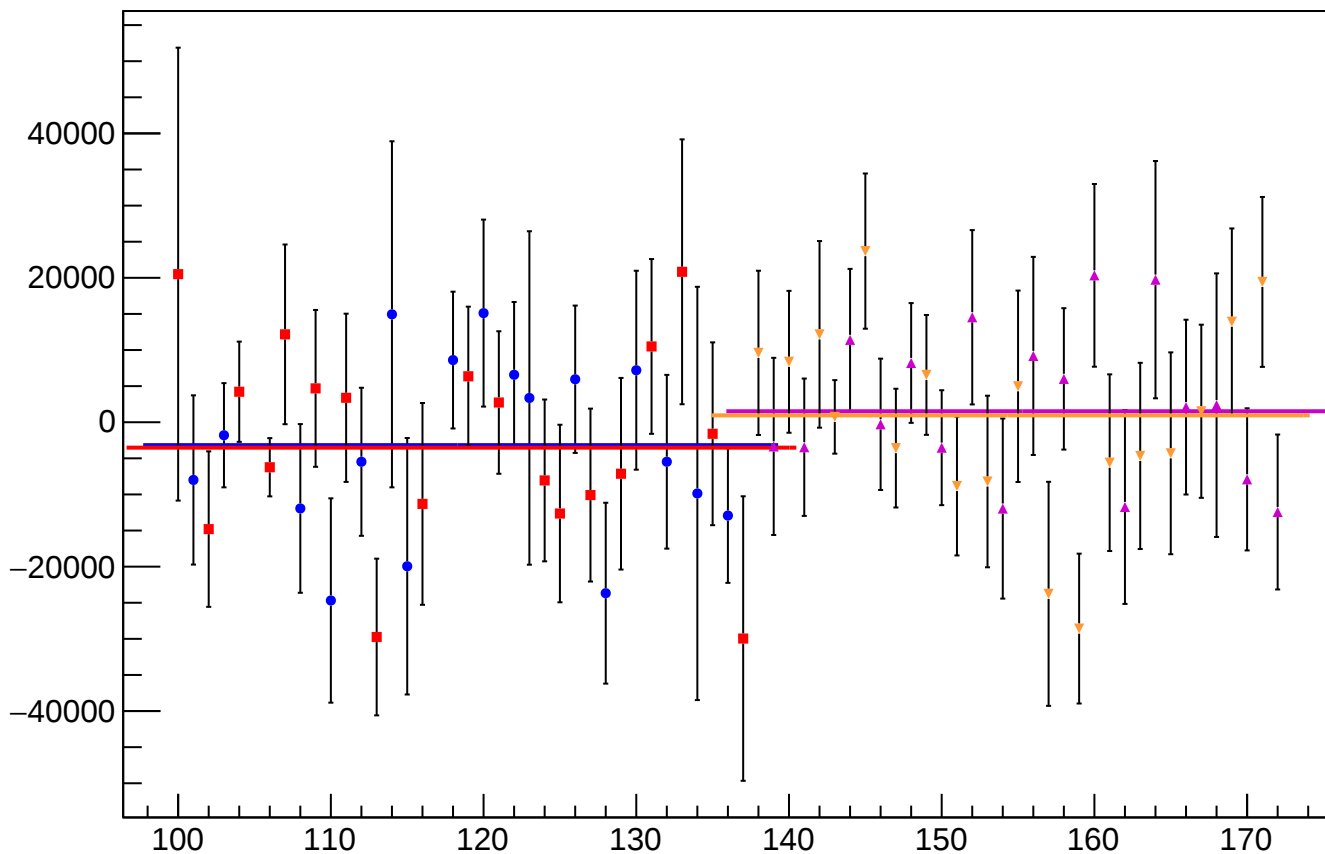
Right: 1701.595+/-0.333 χ^2/NDF : 888336.5/35

In: 1831.138+/-0.293 χ^2/NDF : 623334.0/33

Out: 1835.985+/-0.291 χ^2/NDF : 1055748.0/36

All: 1833.577+/-0.207 χ^2/NDF : 1679219.5/70

asym_at2_avg_correction_mean vs Slug, Sign Corrected



Right In: -3173.245 $\pm$ 2851.982 χ^2 /NDF: 14.4/16

Left Out: 951.592 $\pm$ 2386.159 χ^2 /NDF:23.6/17

Right Out: -3520.105 $\pm$ 2266.532 χ^2 /NDF: 19.5/18

Left In: 1521.007 $\pm$ 2636.606 χ^2 /NDF:12.4/16

Left: 1207.978 $\pm$ 1769.202 χ^2 /NDF: 36.0/34

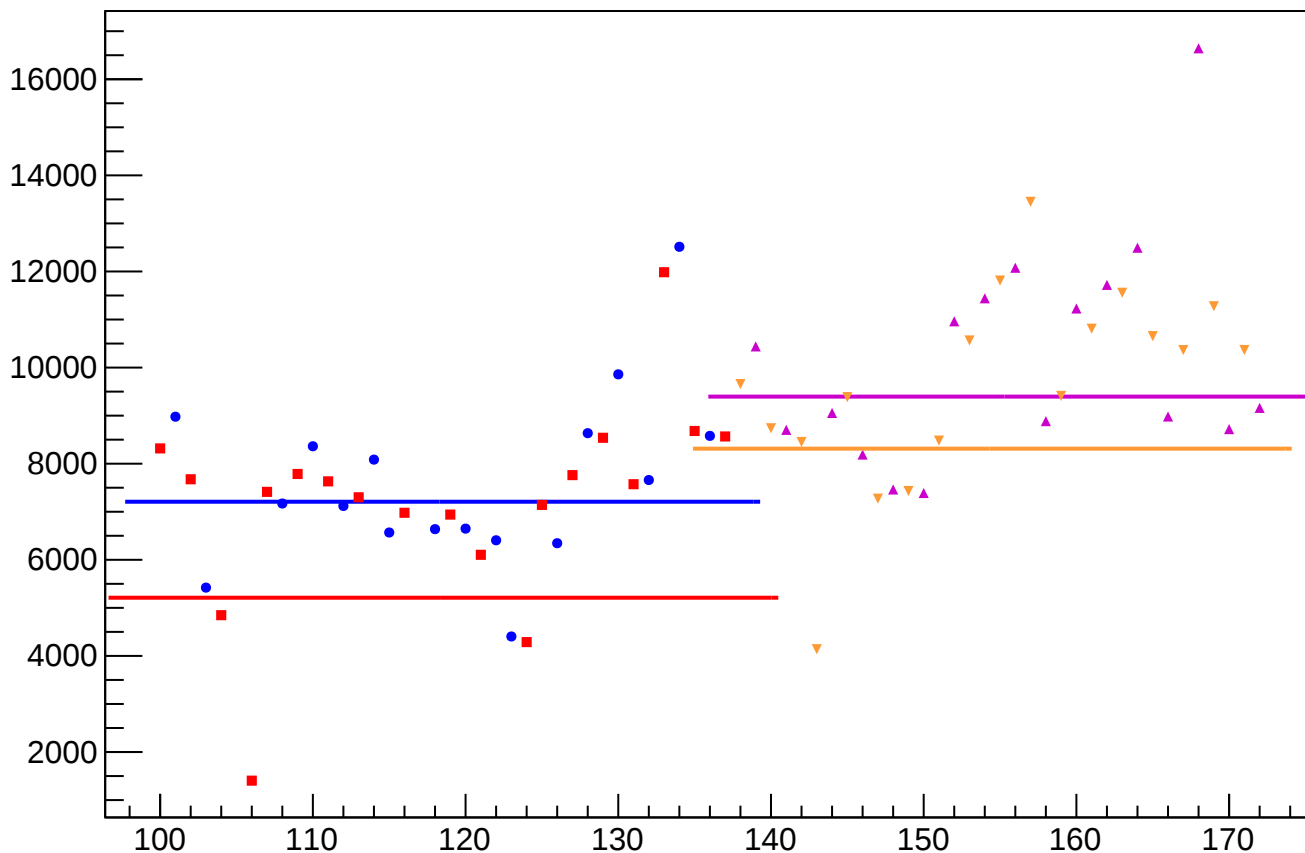
Right: -3385.836 $\pm$ 1774.424 χ^2 /NDF: 33.9/35

In: -642.196 $\pm$ 1936.031 χ^2 /NDF:28.3/33

Out: -1399.154 $\pm$ 1643.344 χ^2 /NDF:45.0/36

All: -1082.161 $\pm$ 1252.857 χ^2 /NDF: 73.3/70

asym_at2_avg_correction_rms vs Slug, Sign Corrected



Right In: 7208.567 $\pm$ 2.017 χ^2 /NDF: 469302.0/16

Left Out: 8312.939 $\pm$ 1.687 χ^2 /NDF: 2394132.4/17

Right Out: 5211.187 $\pm$ 1.603 χ^2 /NDF: 3196870.2/18

Left In: 9395.995 $\pm$ 1.864 χ^2 /NDF: 968973.7/16

Left: 8800.597 $\pm$ 1.251 χ^2 /NDF: 3548629.2/34

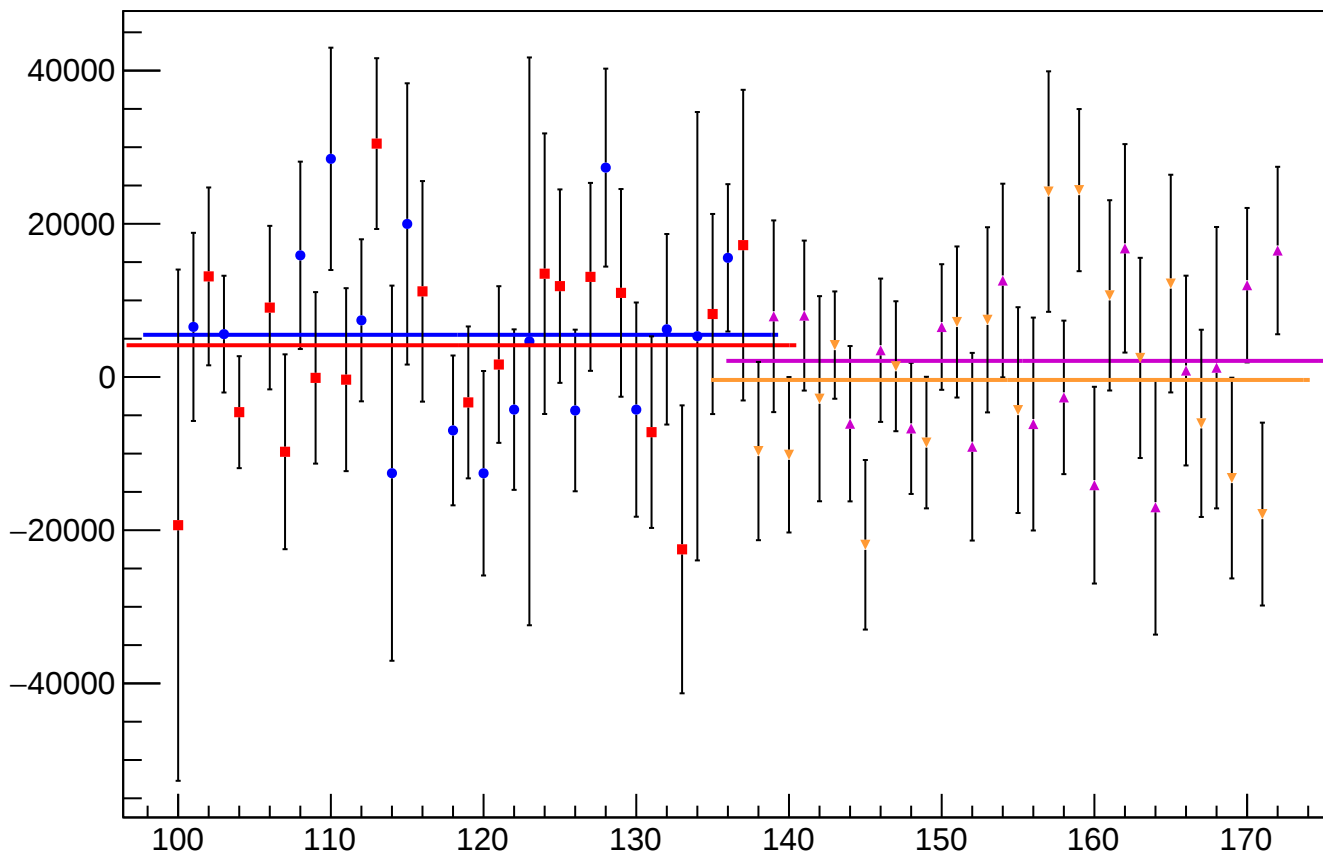
Right: 5984.369 $\pm$ 1.255 χ^2 /NDF: 4267414.1/35

In: 8387.985 $\pm$ 1.369 χ^2 /NDF: 2072639.0/33

Out: 6682.365 $\pm$ 1.162 χ^2 /NDF: 7367558.1/36

All: 7396.633 $\pm$ 0.886 χ^2 /NDF: 10342424.8/71

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 5509.395 $\pm$ 2971.033 χ^2 /NDF: 14.1/16

Left Out: -384.261 $\pm$ 2572.187 χ^2 /NDF:20.7/17

Right Out: 4146.067 $\pm$ 2790.212 χ^2 /NDF: 15.4/18

Left In: 2105.954 $\pm$ 2698.559 χ^2 /NDF:11.5/16

Left: 801.175 $\pm$ 1861.884 χ^2 /NDF: 32.7/34

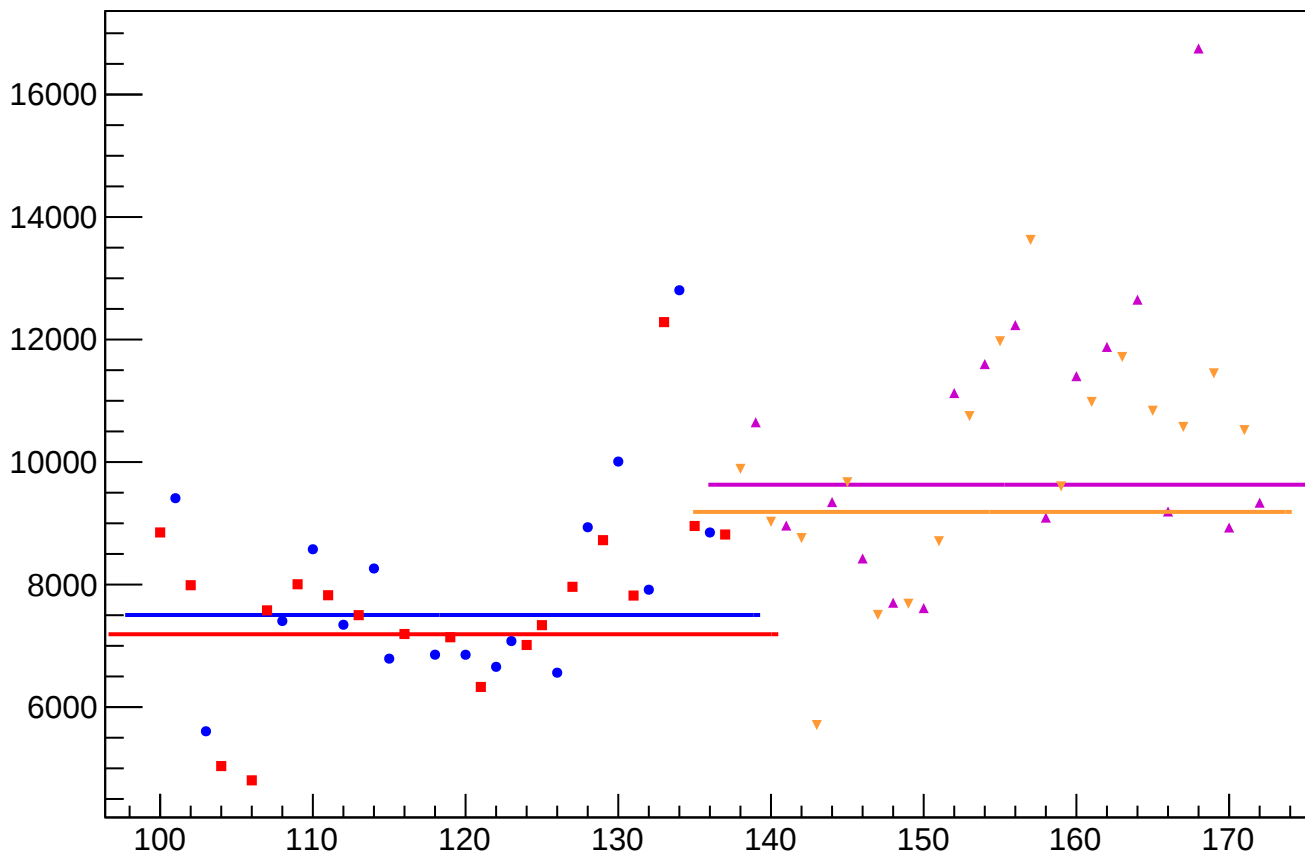
Right: 4784.984 $\pm$ 2033.900 χ^2 /NDF: 29.6/35

In: 3644.486 $\pm$ 1997.568 χ^2 /NDF:26.3/33

Out: 1697.012 $\pm$ 1891.198 χ^2 /NDF:37.6/36

All: 2617.519 $\pm$ 1373.344 χ^2 /NDF: 64.4/70

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 7503.667+/-2.101 χ^2/NDF : 427313.5/16

Left Out: 9186.297+/-1.819 χ^2/NDF : 1187765.2/17

Right Out: 7189.231+/-1.973 χ^2/NDF : 557703.4/18

Left In: 9630.252+/-1.908 χ^2/NDF : 906496.8/16

Left: 9397.636+/-1.317 χ^2/NDF : 2122624.4/34

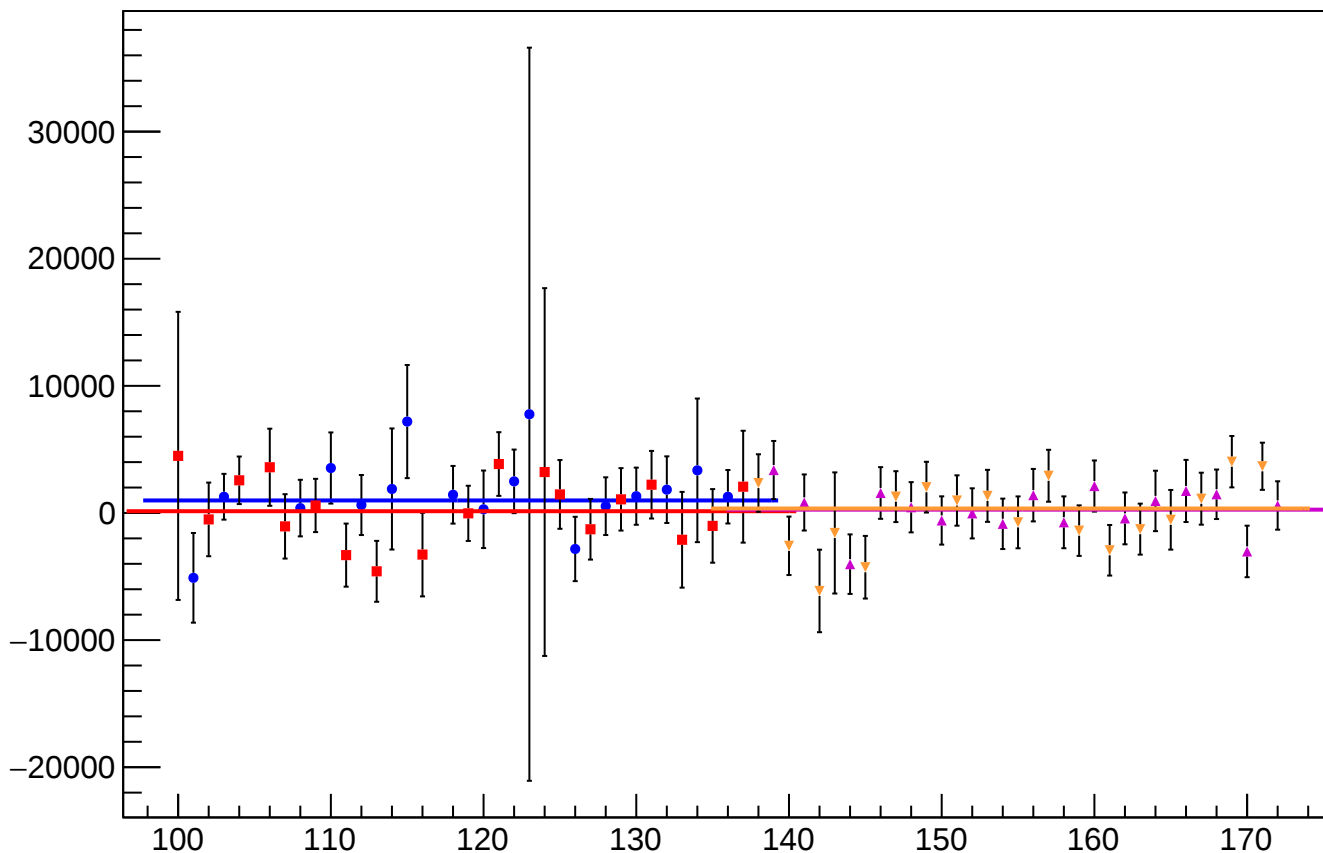
Right: 7336.574+/-1.438 χ^2/NDF : 996921.9/35

In: 8668.898+/-1.412 χ^2/NDF : 1895287.4/33

Out: 8268.700+/-1.337 χ^2/NDF : 2299417.2/36

All: 8457.851+/-0.971 χ^2/NDF : 4237038.8/70

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 985.452 ± 644.630 χ^2/NDF : 9.1/16

Left Out: 351.299 ± 508.141 χ^2/NDF : 24.2/17

Right Out: 138.627 ± 623.555 χ^2/NDF : 14.7/18

Left In: 260.527 ± 502.750 χ^2/NDF : 11.2/16

Left: 305.429 ± 357.389 χ^2/NDF : 35.4/34

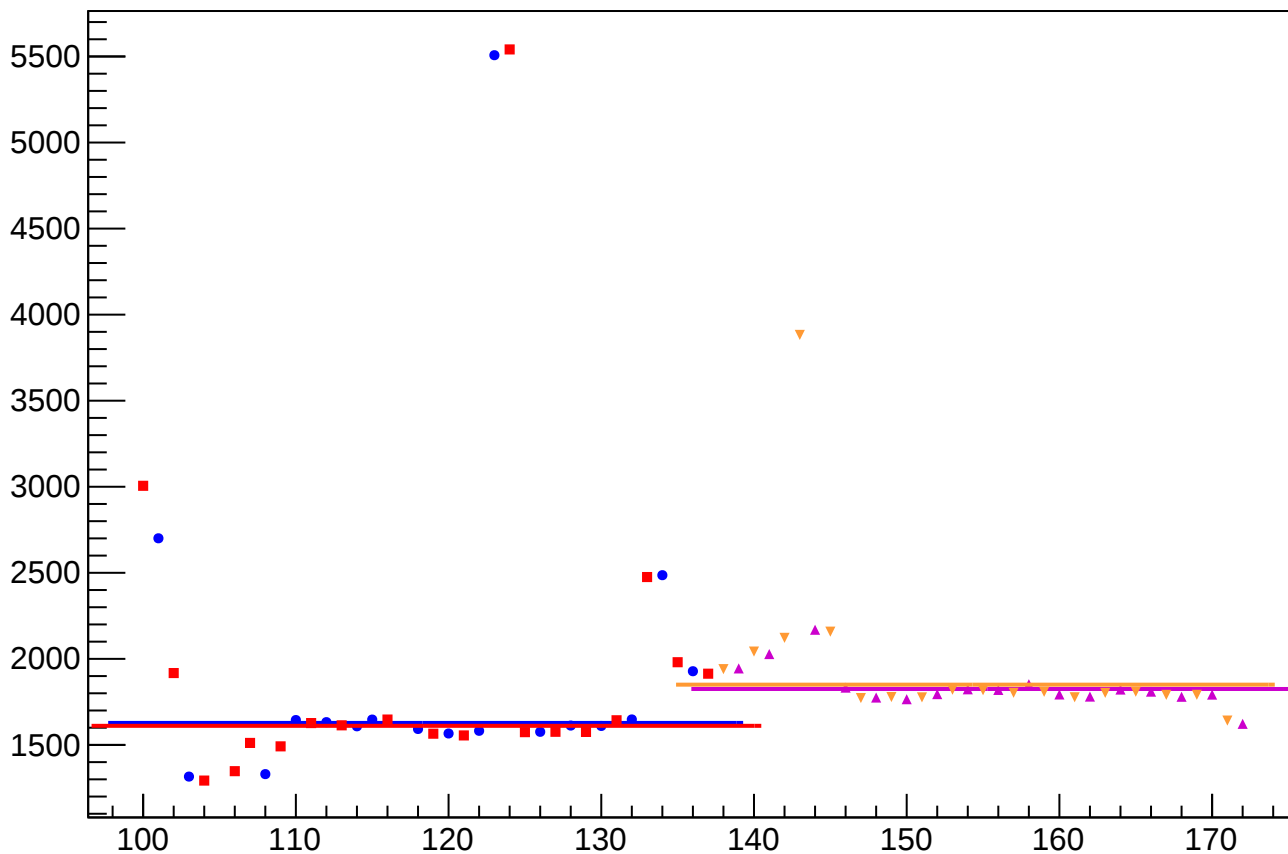
Right: 547.971 ± 448.185 χ^2/NDF : 24.6/35

In: 534.699 ± 396.438 χ^2/NDF : 21.1/33

Out: 266.429 ± 393.911 χ^2/NDF : 38.9/36

All: 399.706 ± 279.426 χ^2/NDF : 60.2/70

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1627.836+/-0.456 χ^2/NDF : 407106.6/16

Left Out: 1850.151+/-0.359 χ^2/NDF : 470727.8/17

Right Out: 1610.948+/-0.441 χ^2/NDF : 433960.8/18

Left In: 1824.987+/-0.355 χ^2/NDF : 95419.9/16

Left: 1837.434+/-0.253 χ^2/NDF : 568626.1/34

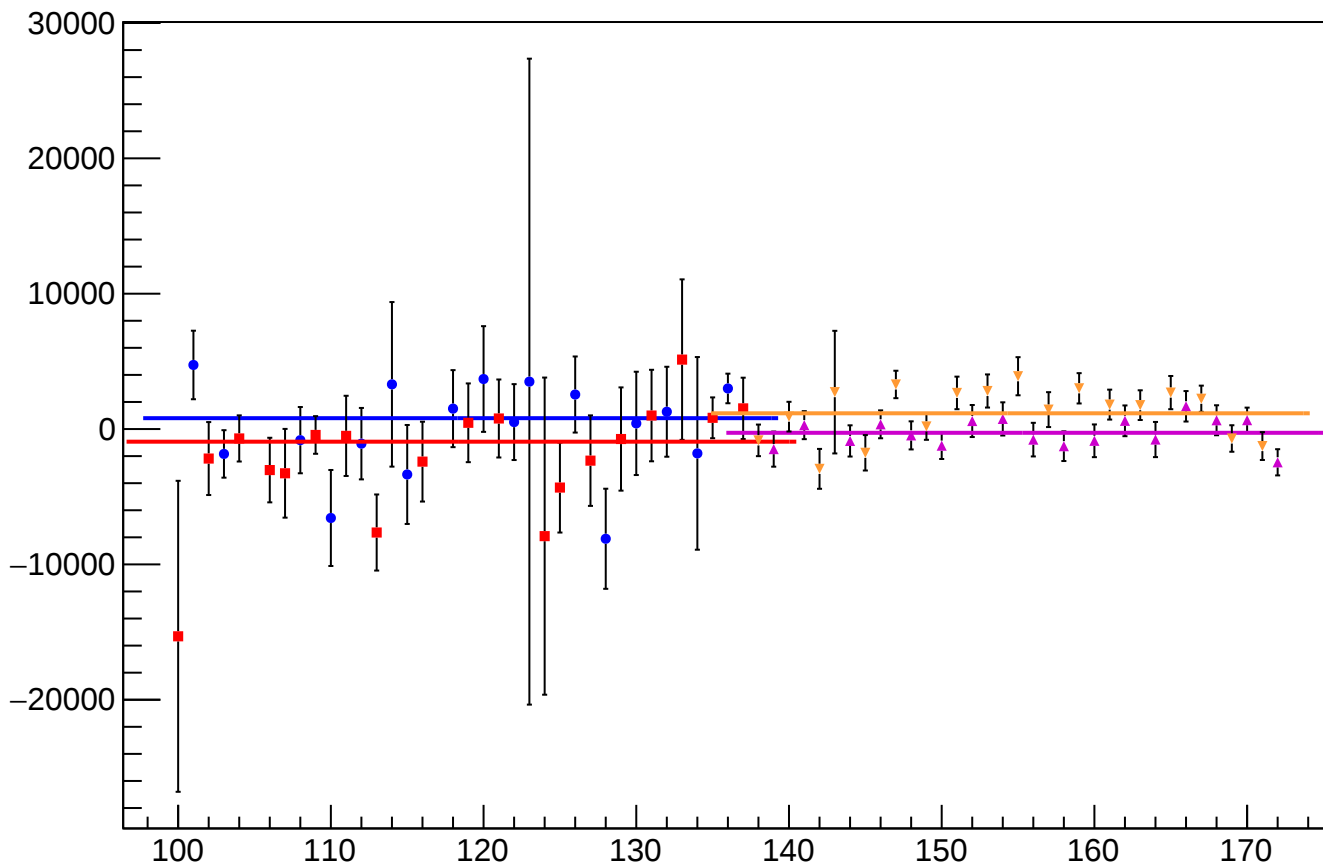
Right: 1619.112+/-0.317 χ^2/NDF : 841776.5/35

In: 1750.423+/-0.280 χ^2/NDF : 618845.7/33

Out: 1754.693+/-0.279 χ^2/NDF : 1081552.1/36

All: 1752.571+/-0.198 χ^2/NDF : 1700514.5/70

asym_at2_dd_correction_mean vs Slug, Sign Corrected



Right In: 803.048 ± 631.676 $\chi^2/\text{NDF}: 22.4/16$

Left Out: 1163.616 ± 274.377 $\chi^2/\text{NDF}: 43.7/17$

Right Out: -933.645 ± 589.727 $\chi^2/\text{NDF}: 15.3/18$

Left In: -277.653 ± 267.919 $\chi^2/\text{NDF}: 15.8/16$

Left: 425.820 ± 191.690 $\chi^2/\text{NDF}: 73.6/34$

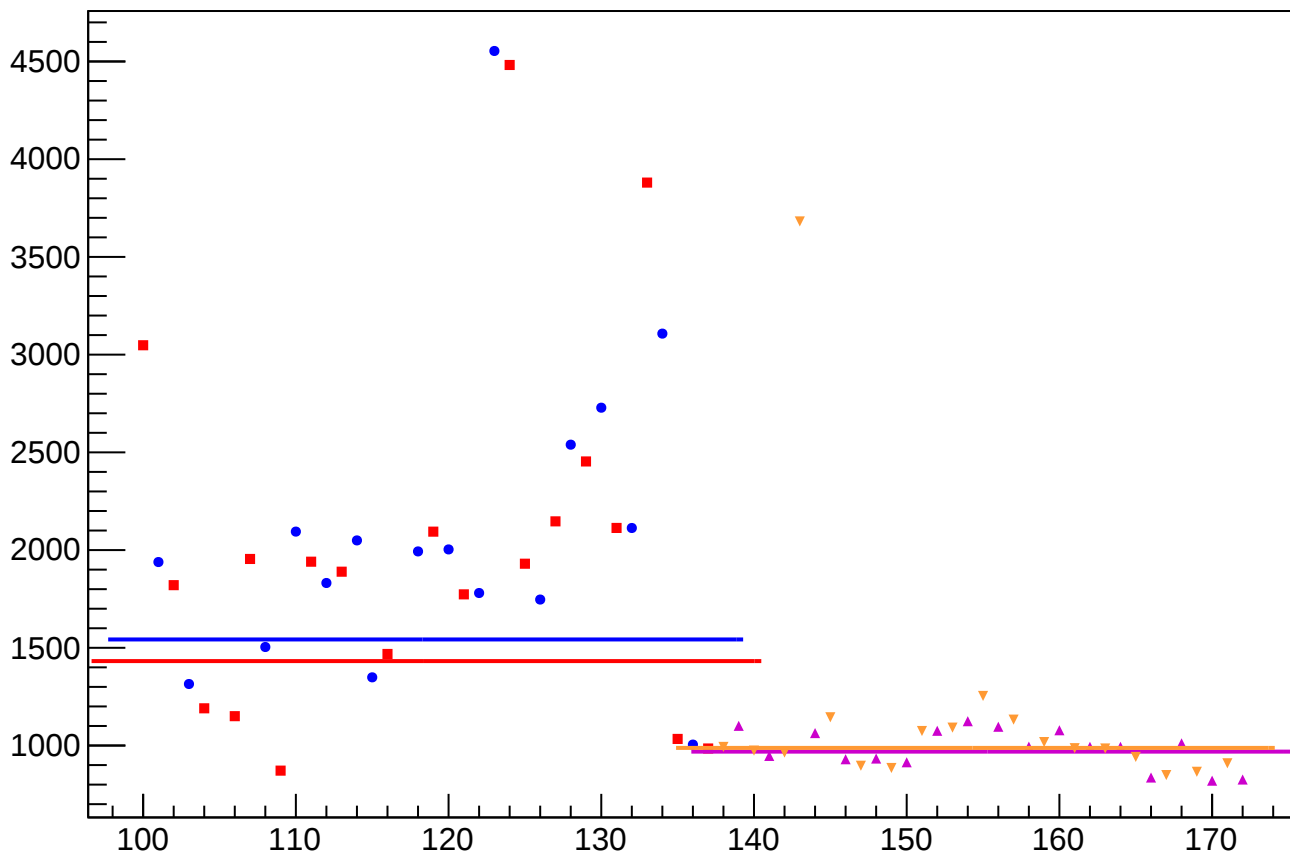
Right: -124.875 ± 431.067 $\chi^2/\text{NDF}: 41.7/35$

In: -112.882 ± 246.651 $\chi^2/\text{NDF}: 40.7/33$

Out: 790.412 ± 248.770 $\chi^2/\text{NDF}: 69.4/36$

All: 334.901 ± 175.153 $\chi^2/\text{NDF}: 116.7/70$

asym_at2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1542.705+/-0.447 χ^2/NDF : 1287946.3/16

Left Out: 987.840+/-0.194 χ^2/NDF : 984244.9/17

Right Out: 1432.013+/-0.417 χ^2/NDF : 1823809.4/18

Left In: 968.788+/-0.189 χ^2/NDF : 260662.9/16

Left: 978.087+/-0.136 χ^2/NDF : 1249844.2/34

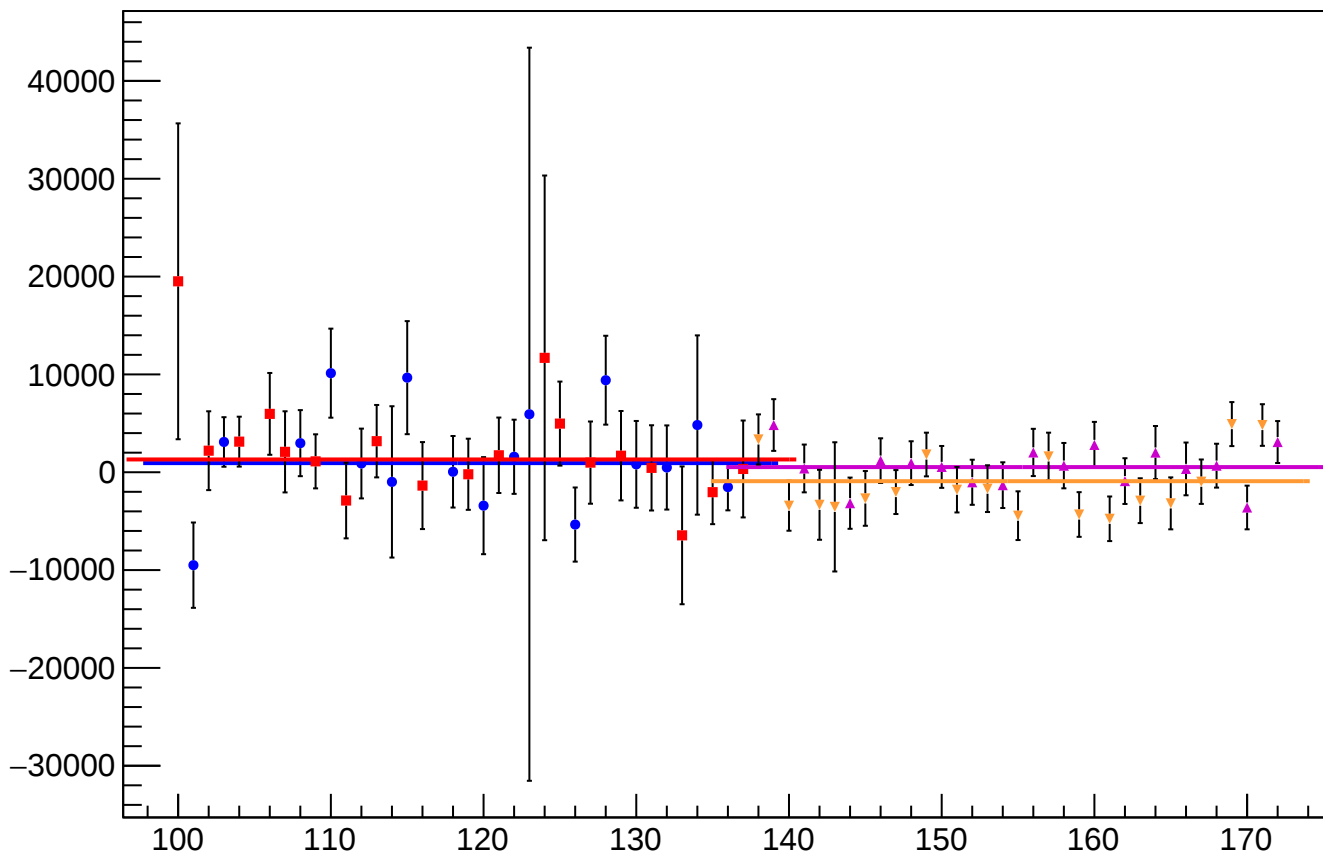
Right: 1483.562+/-0.305 χ^2/NDF : 3144570.0/35

In: 1056.292+/-0.174 χ^2/NDF : 2947861.0/33

Out: 1066.880+/-0.176 χ^2/NDF : 3740731.1/36

All: 1061.541+/-0.124 χ^2/NDF : 6690419.2/70

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 932.818 $\pm$ 967.941 χ^2 /NDF: 21.6/16

Left Out: -913.517 $\pm$ 581.857 χ^2 /NDF:30.4/17

Right Out: 1307.802 $\pm$ 925.415 χ^2 /NDF: 8.5/18

Left In: 526.545 $\pm$ 572.597 χ^2 /NDF:12.7/16

Left: -181.936 $\pm$ 408.122 χ^2 /NDF: 46.2/34

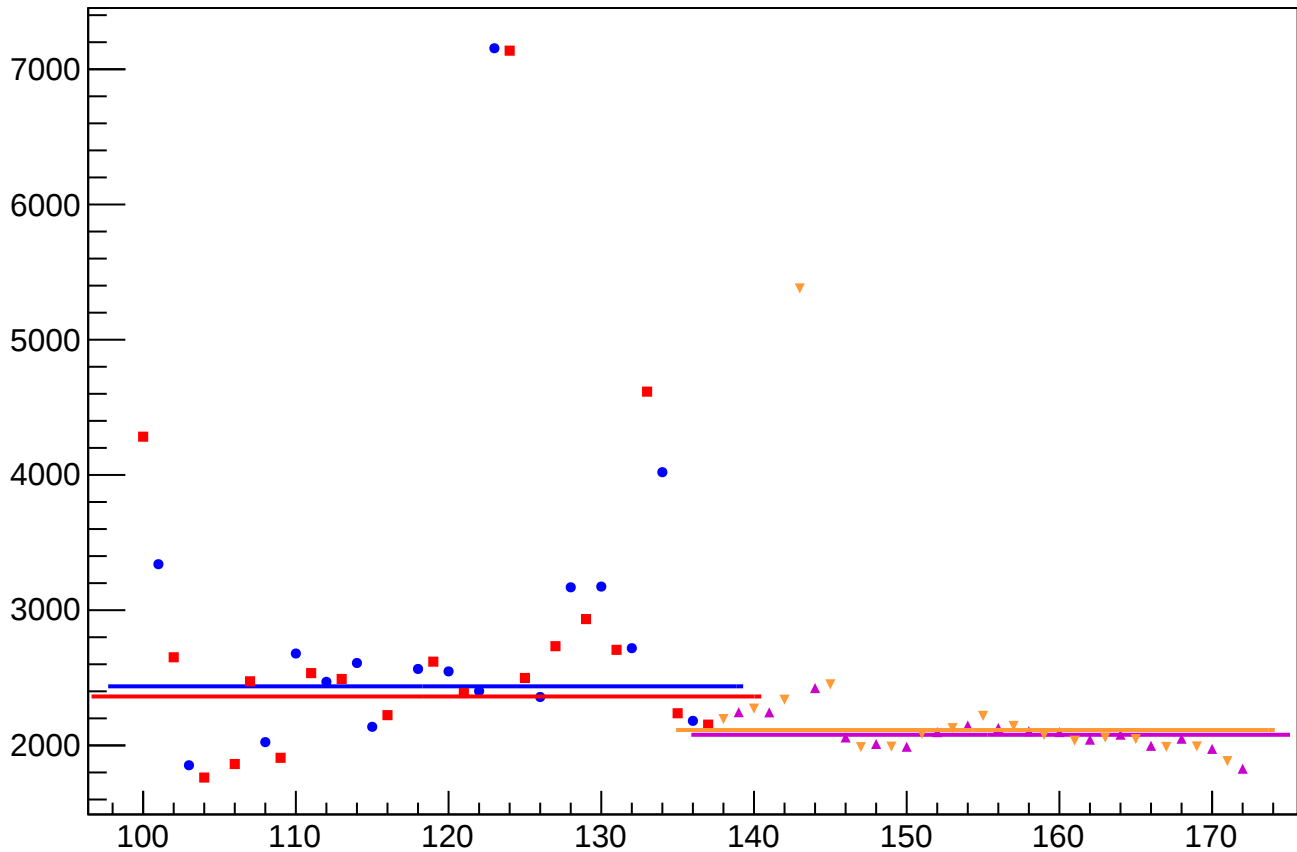
Right: 1128.728 $\pm$ 668.896 χ^2 /NDF: 30.2/35

In: 631.863 $\pm$ 492.823 χ^2 /NDF:34.4/33

Out: -284.165 $\pm$ 492.581 χ^2 /NDF:43.0/36

All: 173.624 $\pm$ 348.393 χ^2 /NDF: 79.1/70

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2436.855+/-0.684 χ^2/NDF : 469030.2/16

Left Out: 2113.822+/-0.411 χ^2/NDF : 593129.4/17

Right Out: 2361.880+/-0.654 χ^2/NDF : 655847.5/18

Left In: 2078.667+/-0.405 χ^2/NDF : 95025.1/16

Left: 2095.963+/-0.289 χ^2/NDF : 691863.6/34

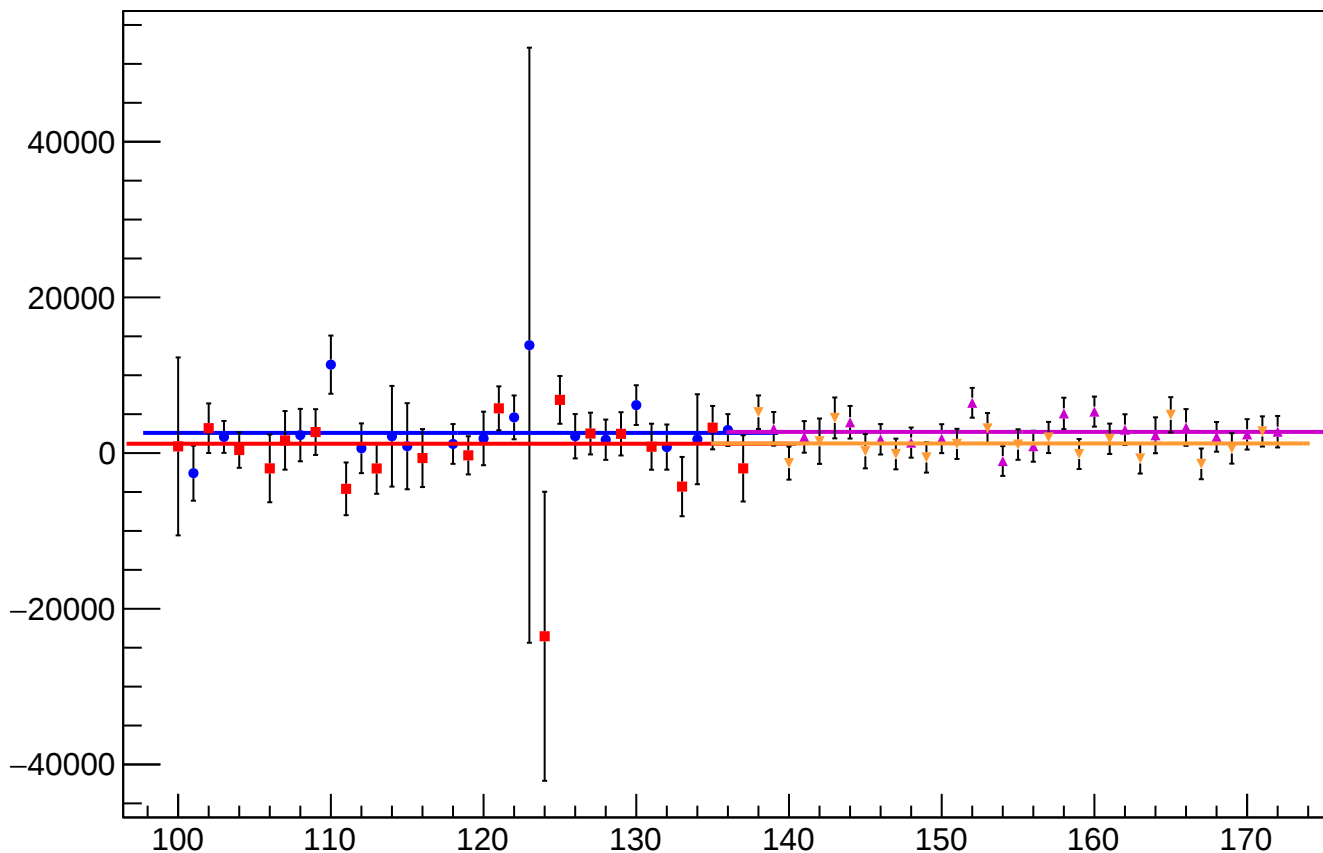
Right: 2397.684+/-0.473 χ^2/NDF : 1131146.9/35

In: 2171.520+/-0.348 χ^2/NDF : 766935.6/33

Out: 2184.103+/-0.348 χ^2/NDF : 1351965.2/36

All: 2177.815+/-0.246 χ^2/NDF : 2119553.0/70

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2594.684+/-743.000 χ^2/NDF : 11.7/16

Left Out: 1237.021+/-486.114 χ^2/NDF : 15.8/17

Right Out: 1202.548+/-739.618 χ^2/NDF : 17.2/18

Left In: 2722.179+/-486.745 χ^2/NDF : 13.4/16

Left: 1978.637+/-343.958 χ^2/NDF : 33.8/34

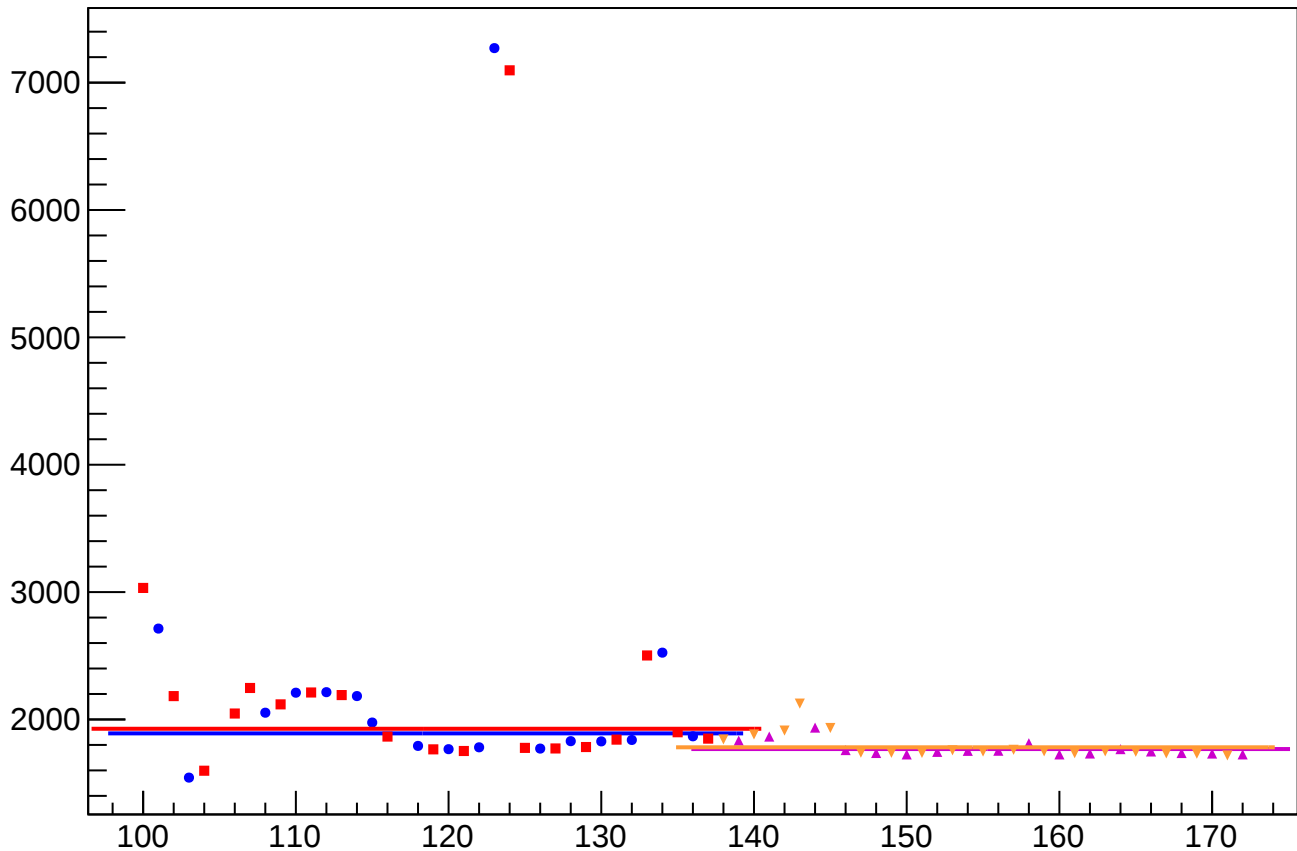
Right: 1895.439+/-524.180 χ^2/NDF : 30.7/35

In: 2683.893+/-407.156 χ^2/NDF : 25.1/33

Out: 1226.622+/-406.228 χ^2/NDF : 33.0/36

All: 1953.596+/-287.574 χ^2/NDF : 64.5/70

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1890.721+/-0.525 χ^2/NDF : 288944.9/16

Left Out: 1781.368+/-0.344 χ^2/NDF : 65197.5/17

Right Out: 1926.949+/-0.522 χ^2/NDF : 362254.5/18

Left In: 1767.717+/-0.344 χ^2/NDF : 26315.8/16

Left: 1774.551+/-0.243 χ^2/NDF : 92300.9/34

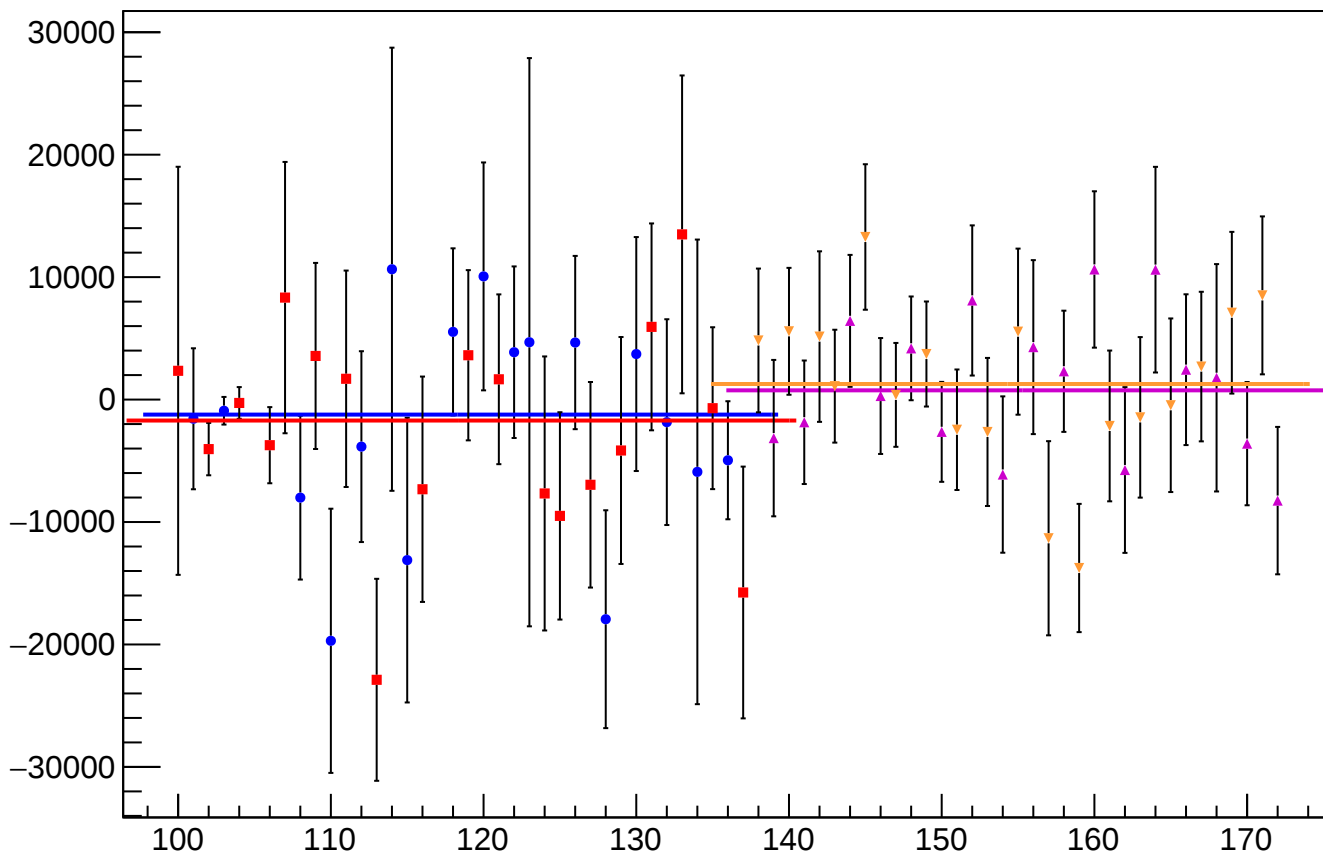
Right: 1908.946+/-0.370 χ^2/NDF : 653591.4/35

In: 1804.654+/-0.288 χ^2/NDF : 353614.8/33

Out: 1825.381+/-0.287 χ^2/NDF : 481682.1/36

All: 1815.046+/-0.203 χ^2/NDF : 837895.6/70

asym_atl1r2_avg_correction_mean vs Slug, Sign Corrected



Right In: -1226.915 $\pm$ 984.603 χ^2 /NDF: 13.8/16

Left Out: 1270.954 $\pm$ 1338.324 χ^2 /NDF:20.6/17

Right Out: -1711.747 $\pm$ 941.580 χ^2 /NDF: 17.8/18

Left In: 753.936 $\pm$ 1365.816 χ^2 /NDF:13.8/16

Left: 1017.700 $\pm$ 955.910 χ^2 /NDF: 34.5/34

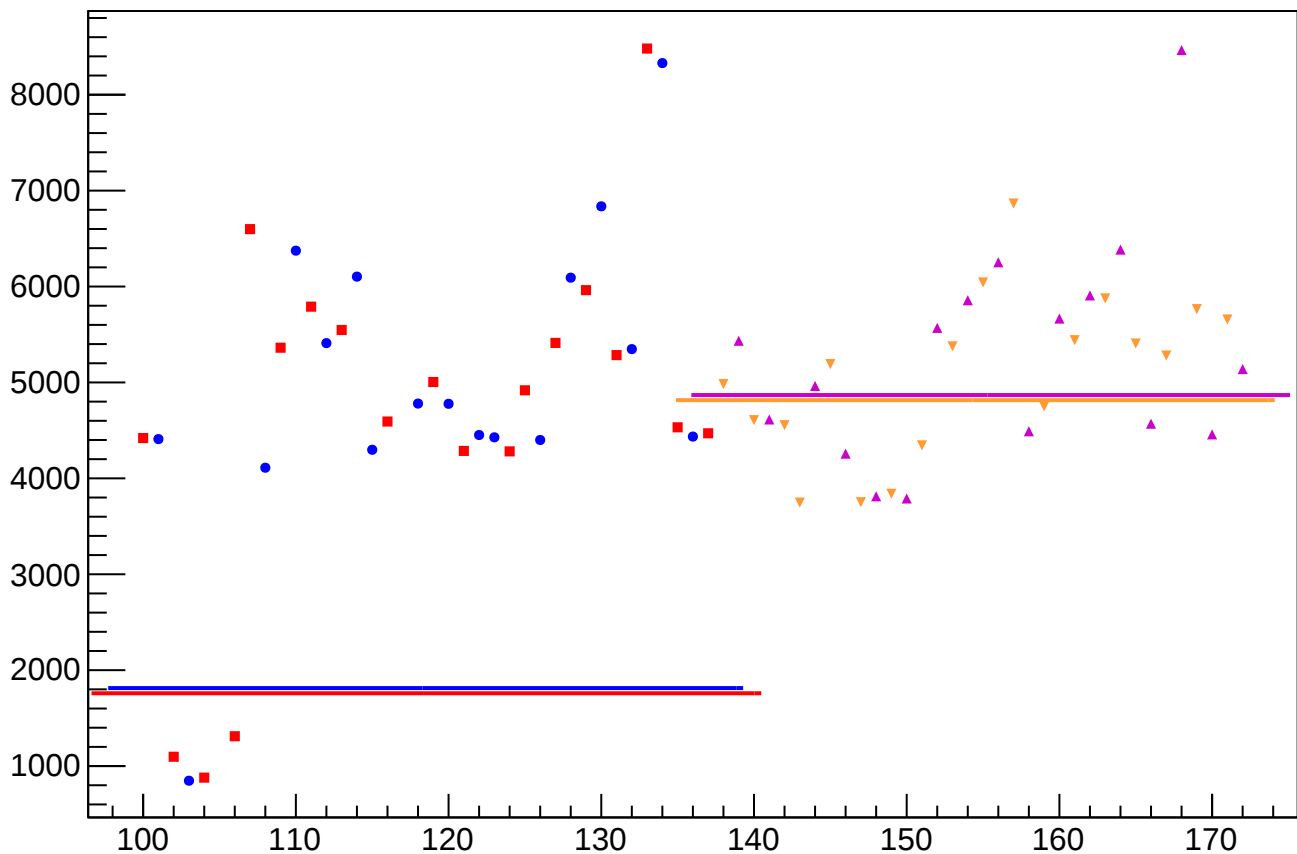
Right: -1480.155 $\pm$ 680.499 χ^2 /NDF: 31.8/35

In: -549.528 $\pm$ 798.702 χ^2 /NDF:29.0/33

Out: -724.184 $\pm$ 770.086 χ^2 /NDF:41.7/36

All: -640.041 $\pm$ 554.373 χ^2 /NDF: 70.8/70

asym_atl1r2_avg_correction_rms vs Slug, Sign Corrected



Right In: 1813.195+/-0.696 χ^2/NDF : 6449038.4/16

Left Out: 4815.525+/-0.946 χ^2/NDF : 761344.5/17

Right Out: 1759.135+/-0.666 χ^2/NDF : 6313068.7/18

Left In: 4868.680+/-0.966 χ^2/NDF : 946136.6/16

Left: 4841.562+/-0.676 χ^2/NDF : 1709026.5/34

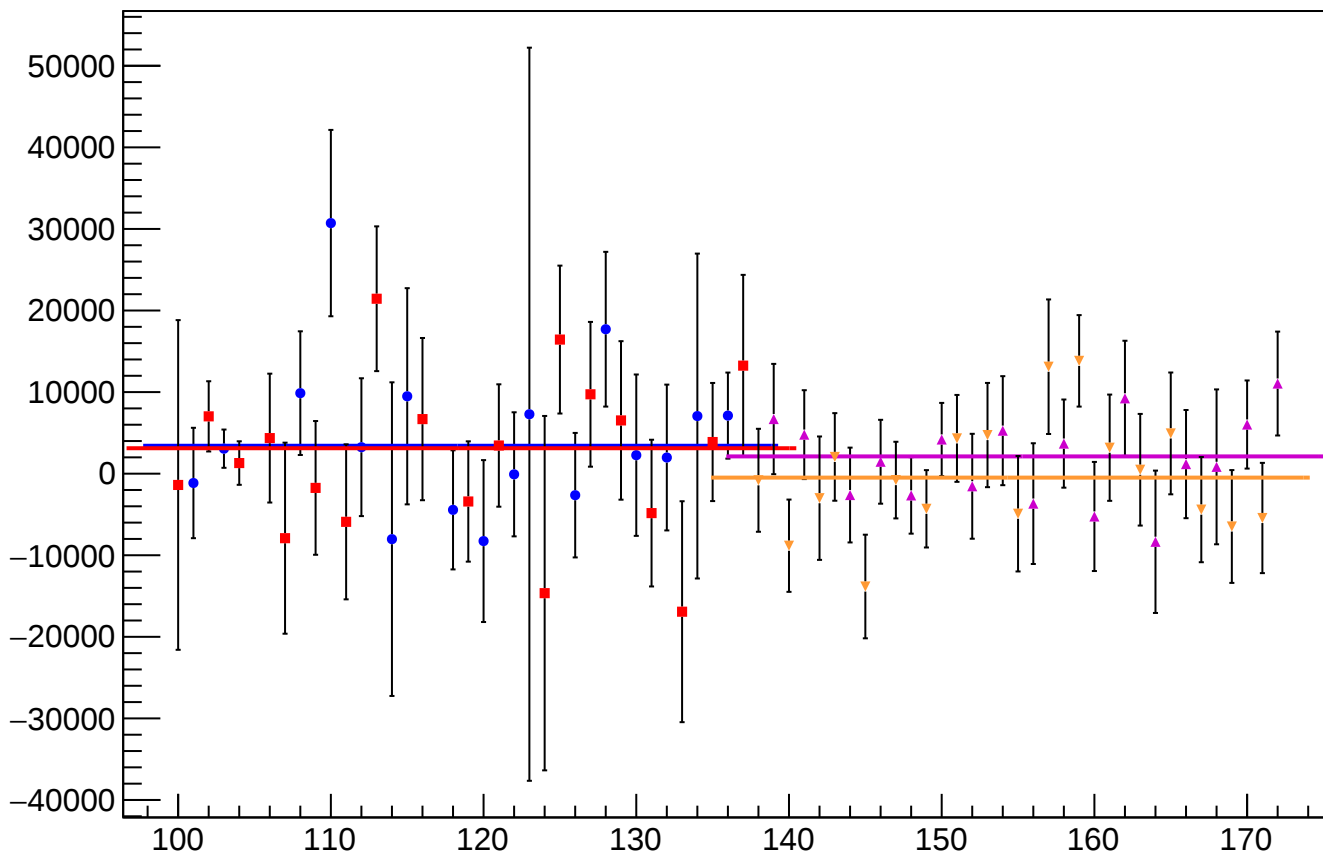
Right: 1784.958+/-0.481 χ^2/NDF : 12765256.3/35

In: 2858.073+/-0.565 χ^2/NDF : 13981651.6/33

Out: 2771.096+/-0.545 χ^2/NDF : 14051722.4/36

All: 2812.998+/-0.392 χ^2/NDF : 28045665.0/70

asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 3421.264+/-1606.678 χ^2/NDF : 13.7/16

Left Out: -483.069+/-1444.769 χ^2/NDF : 21.2/17

Right Out: 3117.857+/-1605.930 χ^2/NDF : 16.0/18

Left In: 2116.558+/-1465.443 χ^2/NDF : 10.1/16

Left: 798.277+/-1028.838 χ^2/NDF : 32.9/34

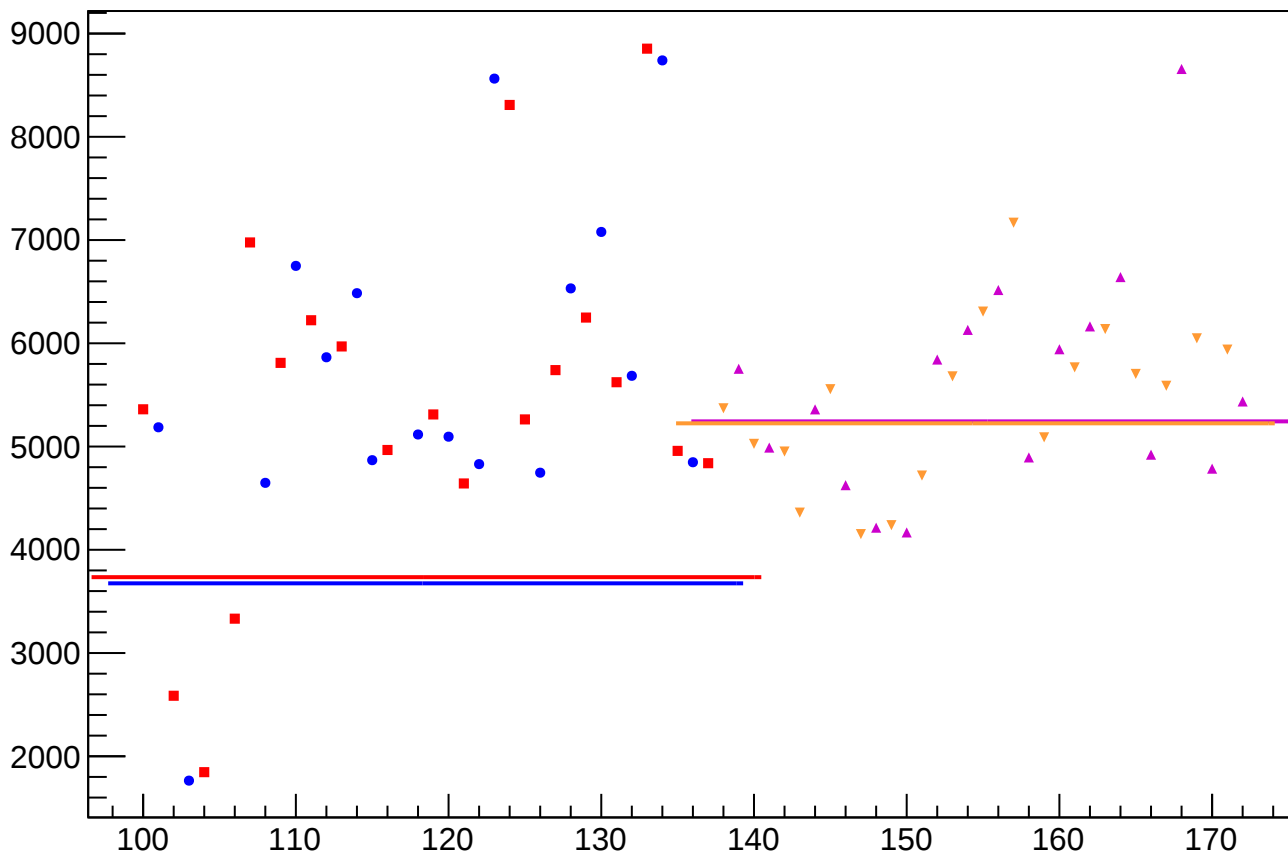
Right: 3269.490+/-1135.828 χ^2/NDF : 29.7/35

In: 2709.057+/-1082.720 χ^2/NDF : 24.1/33

Out: 1127.695+/-1074.077 χ^2/NDF : 40.0/36

All: 1912.039+/-762.525 χ^2/NDF : 65.2/70

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 3675.003+/-1.136 χ^2/NDF : 2775085.7/16

Left Out: 5224.780+/-1.022 χ^2/NDF : 556299.5/17

Right Out: 3734.796+/-1.128 χ^2/NDF : 2693929.0/18

Left In: 5243.762+/-1.036 χ^2/NDF : 763442.3/16

Left: 5234.136+/-0.727 χ^2/NDF : 1319912.0/34

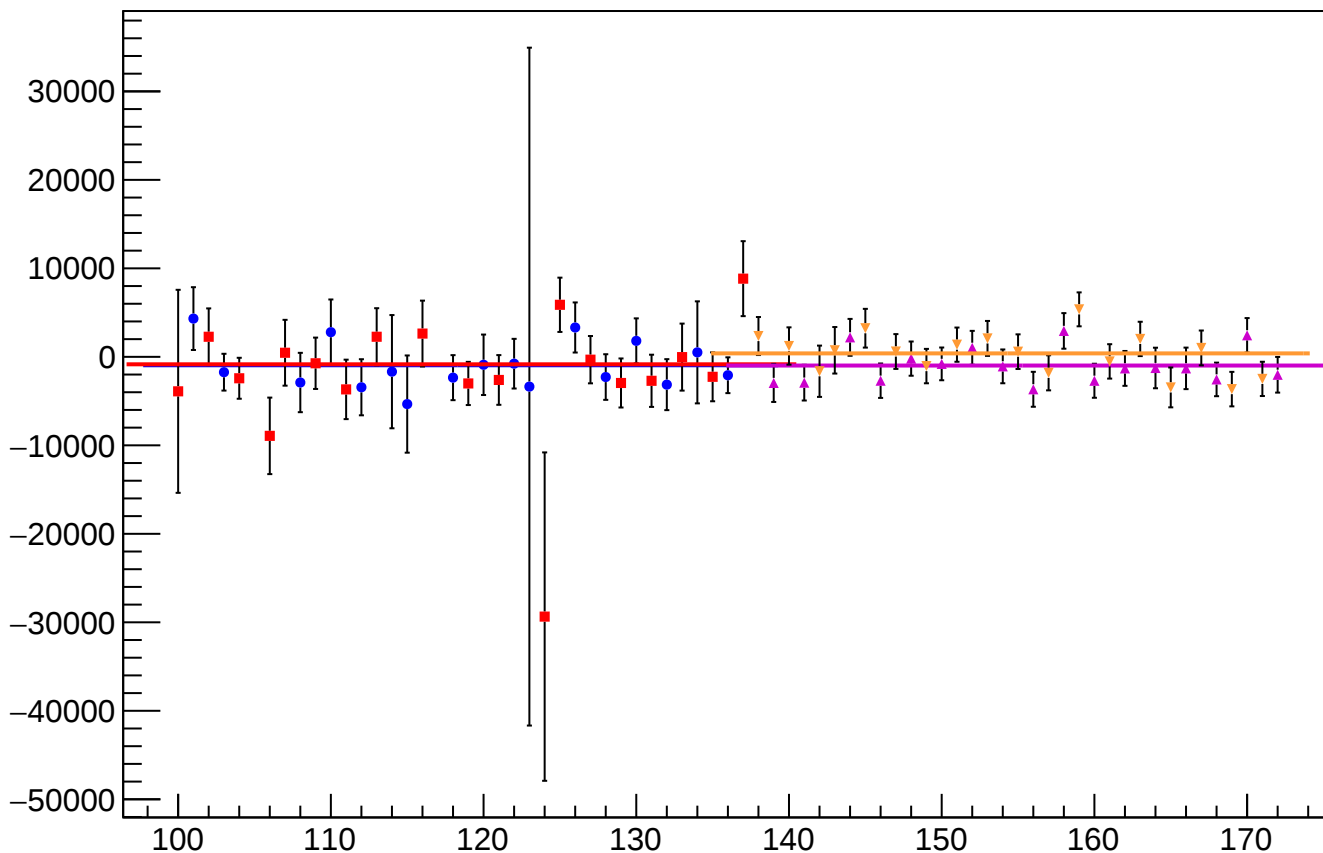
Right: 3705.112+/-0.800 χ^2/NDF : 5470409.5/35

In: 4531.351+/-0.766 χ^2/NDF : 4579356.1/33

Out: 4553.369+/-0.757 χ^2/NDF : 4208752.3/36

All: 4542.481+/-0.538 χ^2/NDF : 8788526.5/70

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -951.377+/-740.668 χ^2/NDF : 10.0/16

Left Out: 390.431+/-484.209 χ^2/NDF : 23.2/17

Right Out: -843.515+/-737.527 χ^2/NDF : 22.5/18

Left In: -982.604+/-484.758 χ^2/NDF : 16.7/16

Left: -295.309+/-342.581 χ^2/NDF : 43.9/34

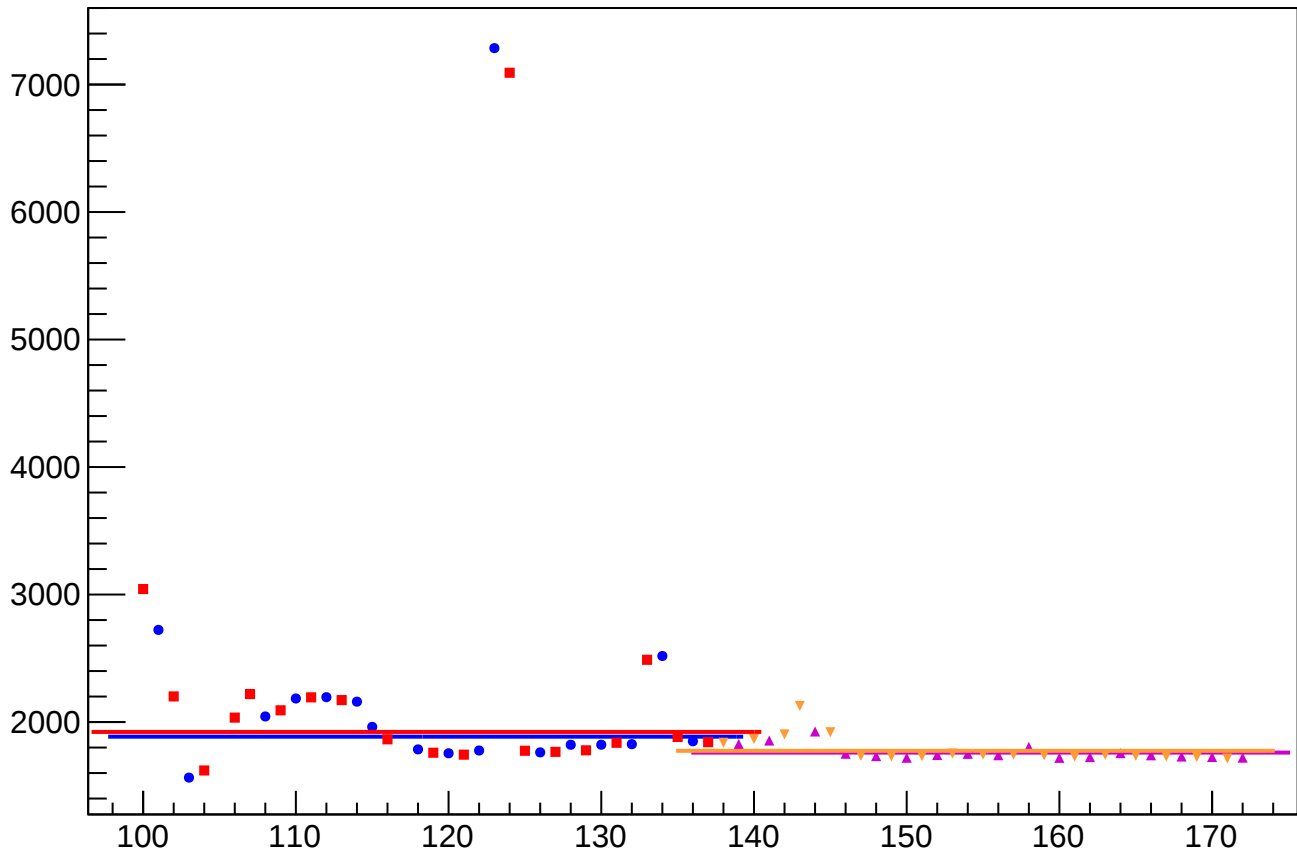
Right: -897.217+/-522.617 χ^2/NDF : 32.5/35

In: -973.239+/-405.608 χ^2/NDF : 26.6/33

Out: 18.762+/-404.770 χ^2/NDF : 47.6/36

All: -476.212+/-286.511 χ^2/NDF : 77.3/70

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1885.360 +/- 0.524 χ^2/NDF : 280429.0/16

Left Out: 1774.443 +/- 0.342 χ^2/NDF : 65022.7/17

Right Out: 1922.538 +/- 0.521 χ^2/NDF : 351512.1/18

Left In: 1760.530 +/- 0.343 χ^2/NDF : 25474.8/16

Left: 1767.494 +/- 0.242 χ^2/NDF : 91322.2/34

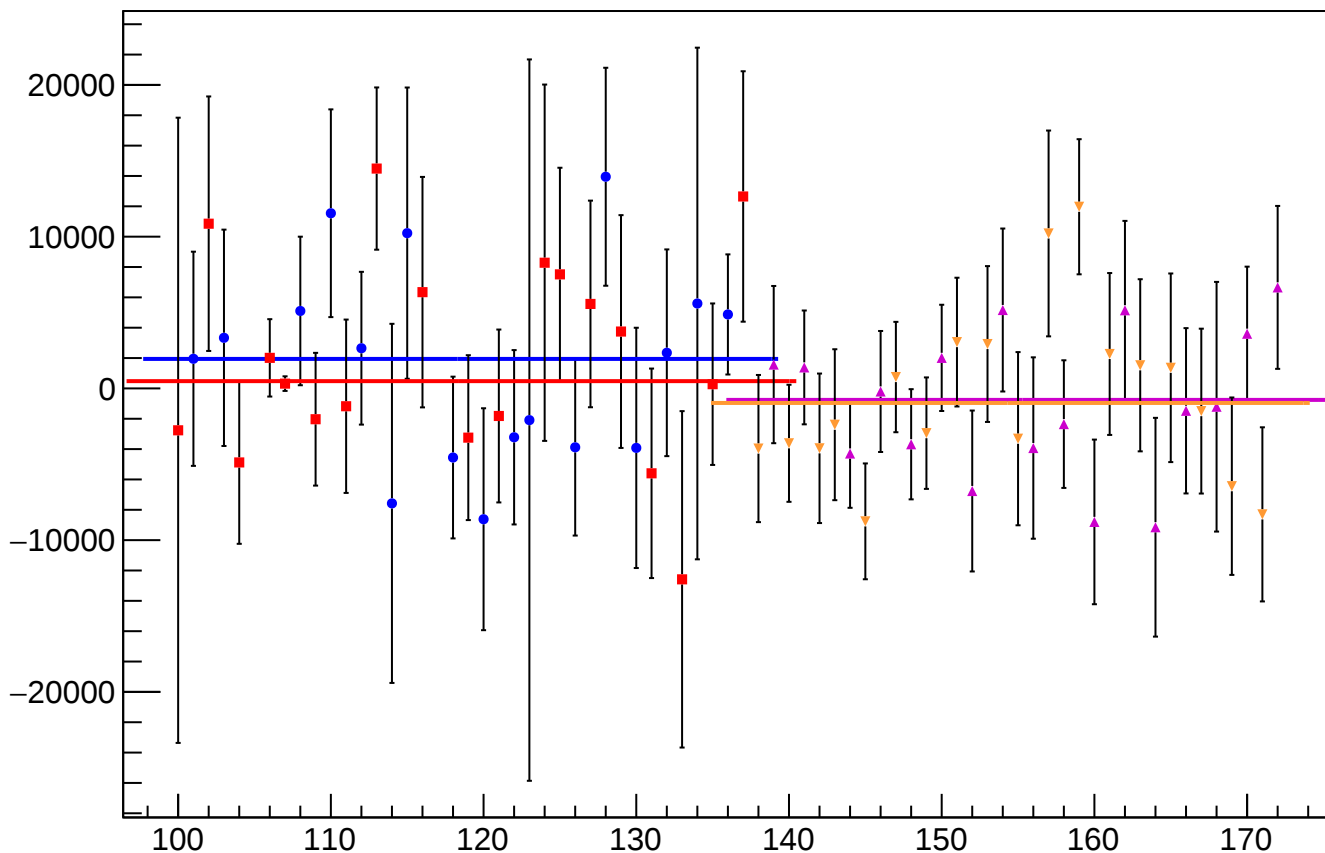
Right: 1904.057 +/- 0.369 χ^2/NDF : 634475.3/35

In: 1797.965 +/- 0.287 χ^2/NDF : 345676.8/33

Out: 1819.147 +/- 0.286 χ^2/NDF : 473009.6/36

All: 1808.583 +/- 0.203 χ^2/NDF : 821420.5/70

asym_atl1r2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1943.178+/-1581.060 χ^2/NDF : 13.2/16

Left Out: -958.580+/-1123.847 χ^2/NDF : 22.0/17

Right Out: 478.828+/-453.684 χ^2/NDF : 18.1/18

Left In: -757.314+/-1133.750 χ^2/NDF : 13.2/16

Left: -858.830+/-798.158 χ^2/NDF : 35.2/34

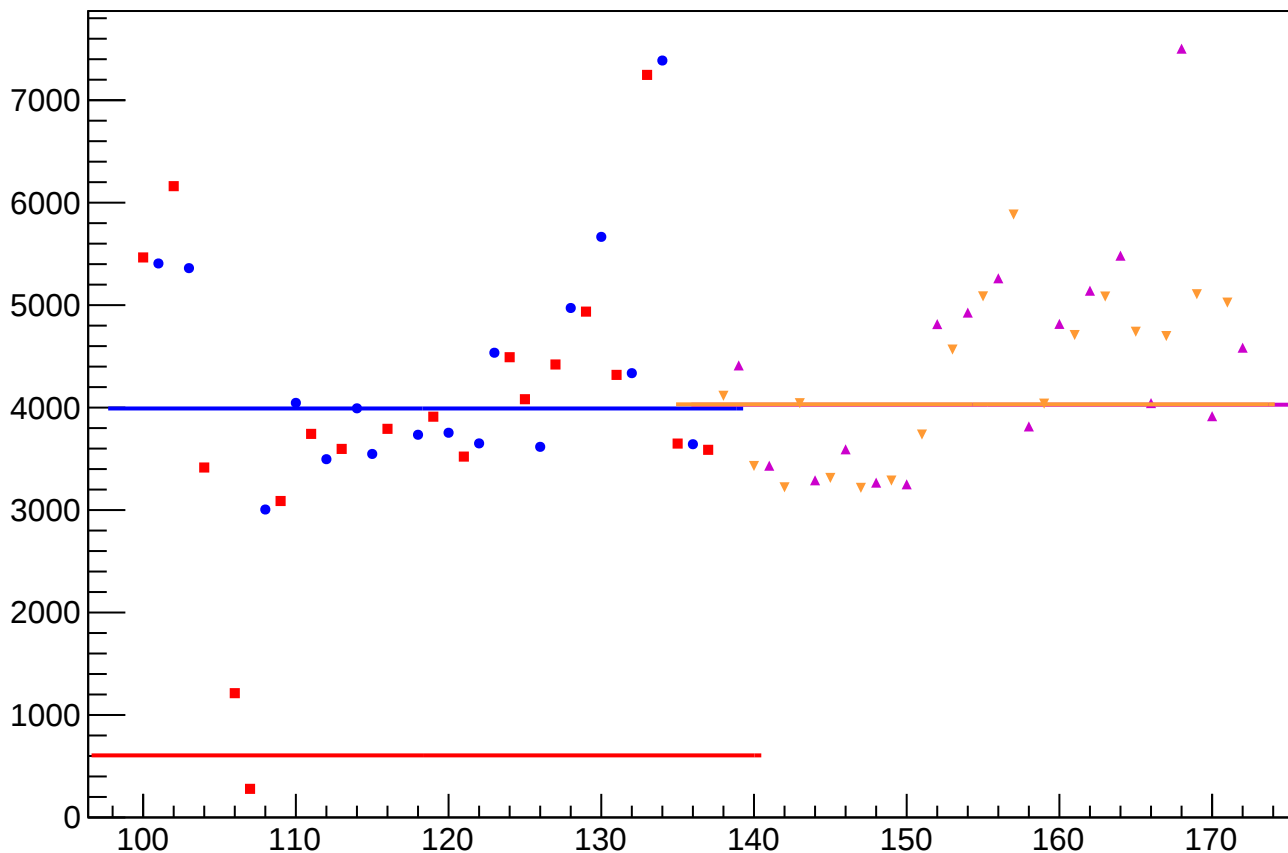
Right: 590.230+/-436.086 χ^2/NDF : 32.0/35

In: 159.741+/-921.350 χ^2/NDF : 28.3/33

Out: 277.406+/-420.698 χ^2/NDF : 41.5/36

All: 257.106+/-382.691 χ^2/NDF : 69.8/70

asym_atl1r2_dd_correction_rms vs Slug, Sign Corrected



Right In: 3991.416+/-1.118 χ^2/NDF : 510782.7/16

Left Out: 4031.796+/-0.795 χ^2/NDF : 889813.0/17

Right Out: 605.731+/-0.321 χ^2/NDF : 10246585.0/18

Left In: 4028.168+/-0.802 χ^2/NDF : 1121450.1/16

Left: 4029.998+/-0.564 χ^2/NDF : 2011273.5/34

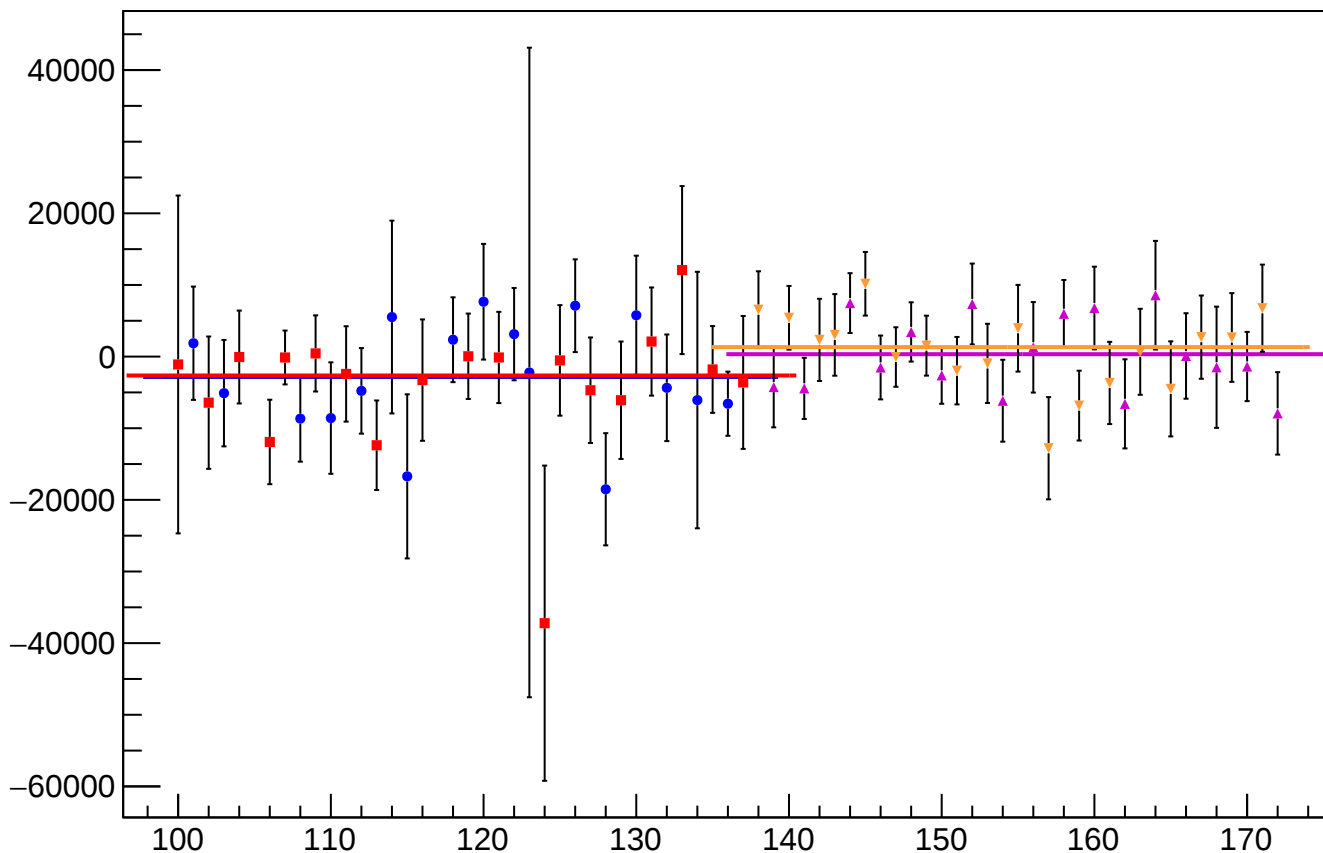
Right: 863.300+/-0.308 χ^2/NDF : 19230863.1/35

In: 4015.688+/-0.651 χ^2/NDF : 1632946.5/33

Out: 1085.821+/-0.297 χ^2/NDF : 27118736.7/36

All: 1591.291+/-0.271 χ^2/NDF : 45486932.4/7

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -2839.599+/-1786.019 χ^2/NDF : 15.4/16

Left Out: 1323.762+/-1247.302 χ^2/NDF : 16.0/17

Right Out: -2637.071+/-1575.105 χ^2/NDF : 11.2/18

Left In: 337.968+/-1253.556 χ^2/NDF : 16.3/16

Left: 833.330+/-884.179 χ^2/NDF : 32.6/34

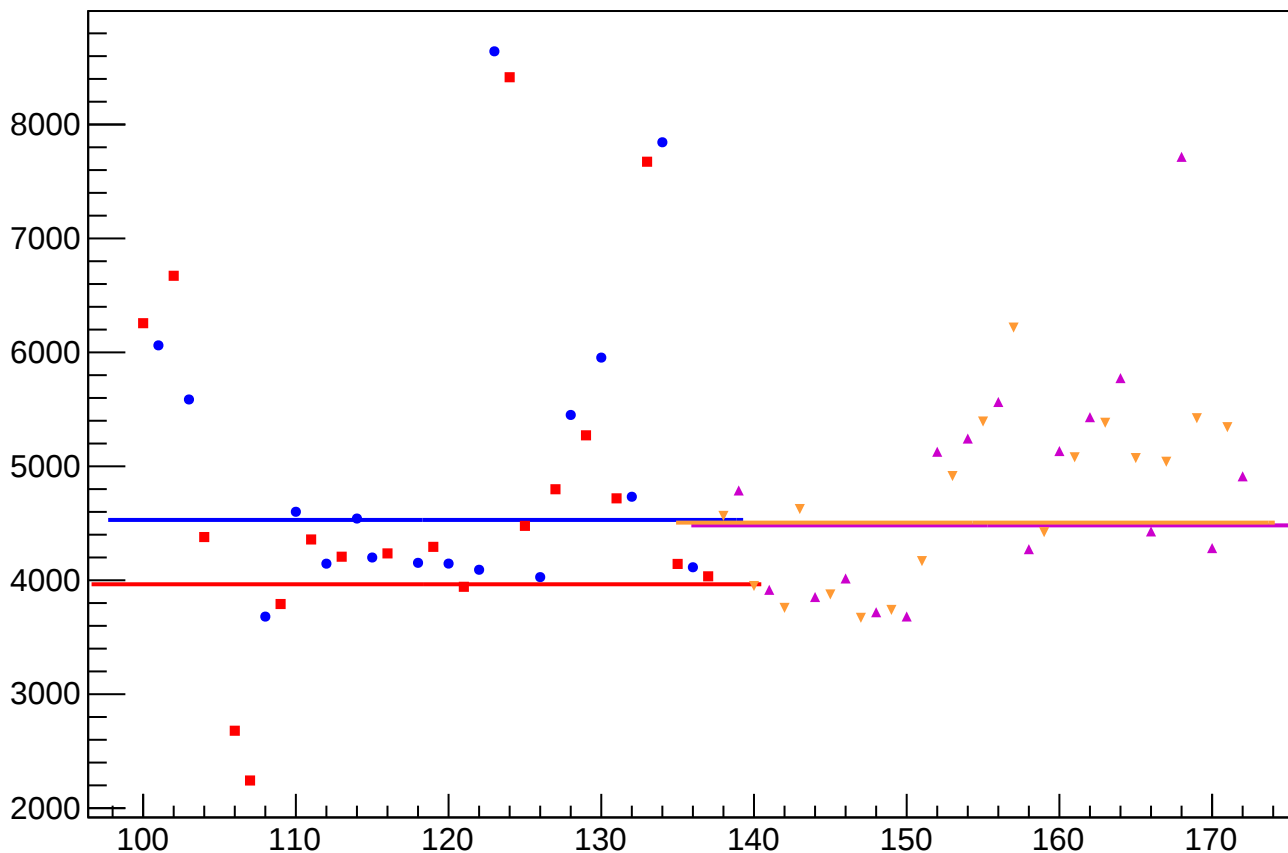
Right: -2725.676+/-1181.334 χ^2/NDF : 26.6/35

In: -710.753+/-1026.050 χ^2/NDF : 33.8/33

Out: -202.754+/-977.838 χ^2/NDF : 31.1/36

All: -444.538+/-707.867 χ^2/NDF : 65.0/70

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 4529.462 $\pm$ 1.263 χ^2 /NDF: 389326.2/16

Left Out: 4506.027 $\pm$ 0.882 χ^2 /NDF: 610415.7/17

Right Out: 3964.829 $\pm$ 1.107 χ^2 /NDF: 1140409.6/18

Left In: 4481.729 $\pm$ 0.886 χ^2 /NDF: 819227.7/16

Left: 4493.939 $\pm$ 0.625 χ^2 /NDF: 1430021.1/34

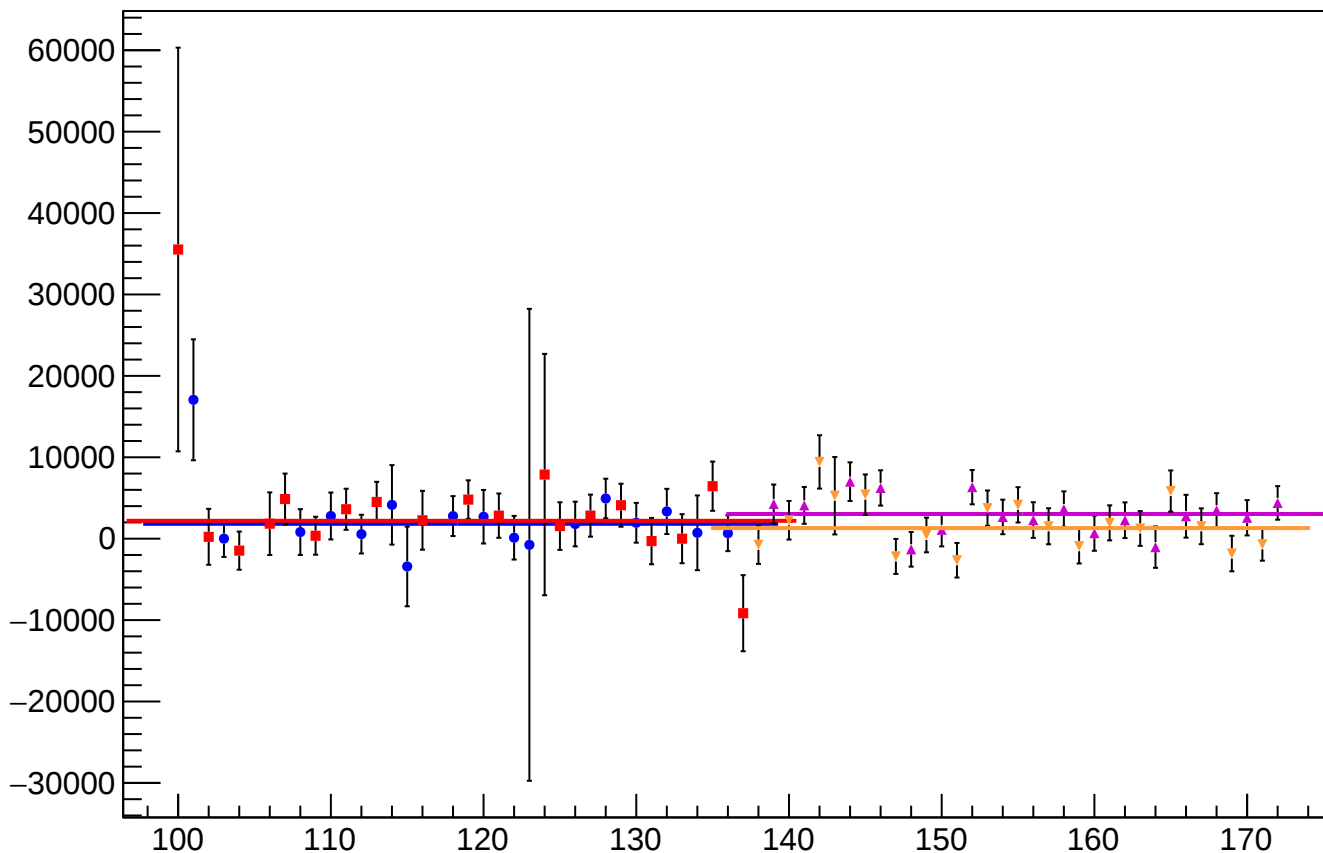
Right: 4210.073 $\pm$ 0.832 χ^2 /NDF: 1642804.6/35

In: 4497.482 $\pm$ 0.726 χ^2 /NDF: 1209511.0/33

Out: 4295.802 $\pm$ 0.690 χ^2 /NDF: 1897086.2/36

All: 4391.543 $\pm$ 0.500 χ^2 /NDF: 3147186.6/70

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 1830.102+/-711.335 χ^2/NDF : 9.7/16

Left Out: 1304.355+/-540.608 χ^2/NDF : 27.2/17

Right Out: 2198.063+/-684.205 χ^2/NDF : 18.3/18

Left In: 3033.381+/-535.450 χ^2/NDF : 17.6/16

Left: 2177.155+/-380.431 χ^2/NDF : 50.0/34

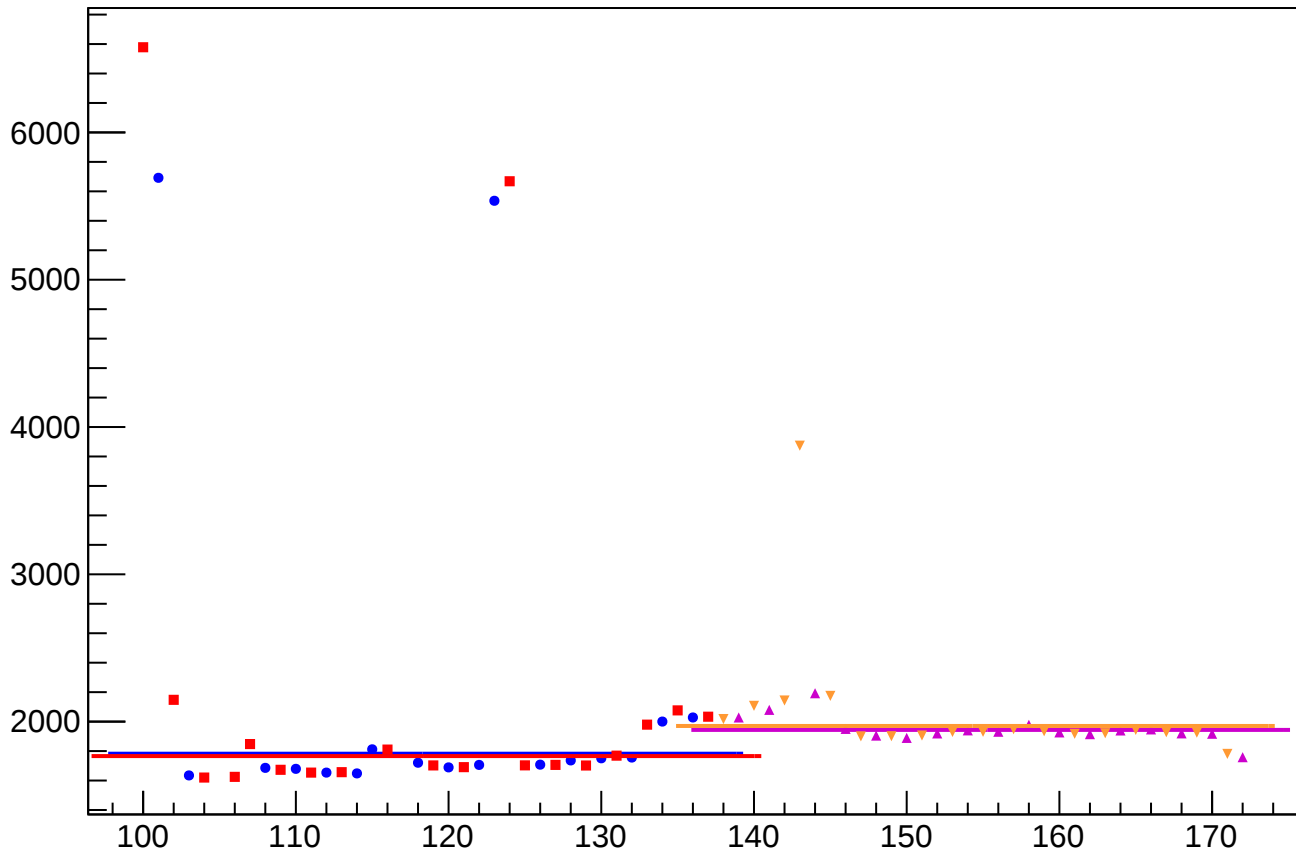
Right: 2021.233+/-493.118 χ^2/NDF : 28.2/35

In: 2598.177+/-427.797 χ^2/NDF : 29.1/33

Out: 1647.851+/-424.179 χ^2/NDF : 46.6/36

All: 2118.979+/-301.211 χ^2/NDF : 78.2/70

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1782.137+/-0.503 χ^2/NDF : 645188.8/16

Left Out: 1970.480+/-0.382 χ^2/NDF : 377313.8/17

Right Out: 1765.967+/-0.480 χ^2/NDF : 306798.2/18

Left In: 1943.693+/-0.379 χ^2/NDF : 51846.1/16

Left: 1956.958+/-0.269 χ^2/NDF : 431638.7/34

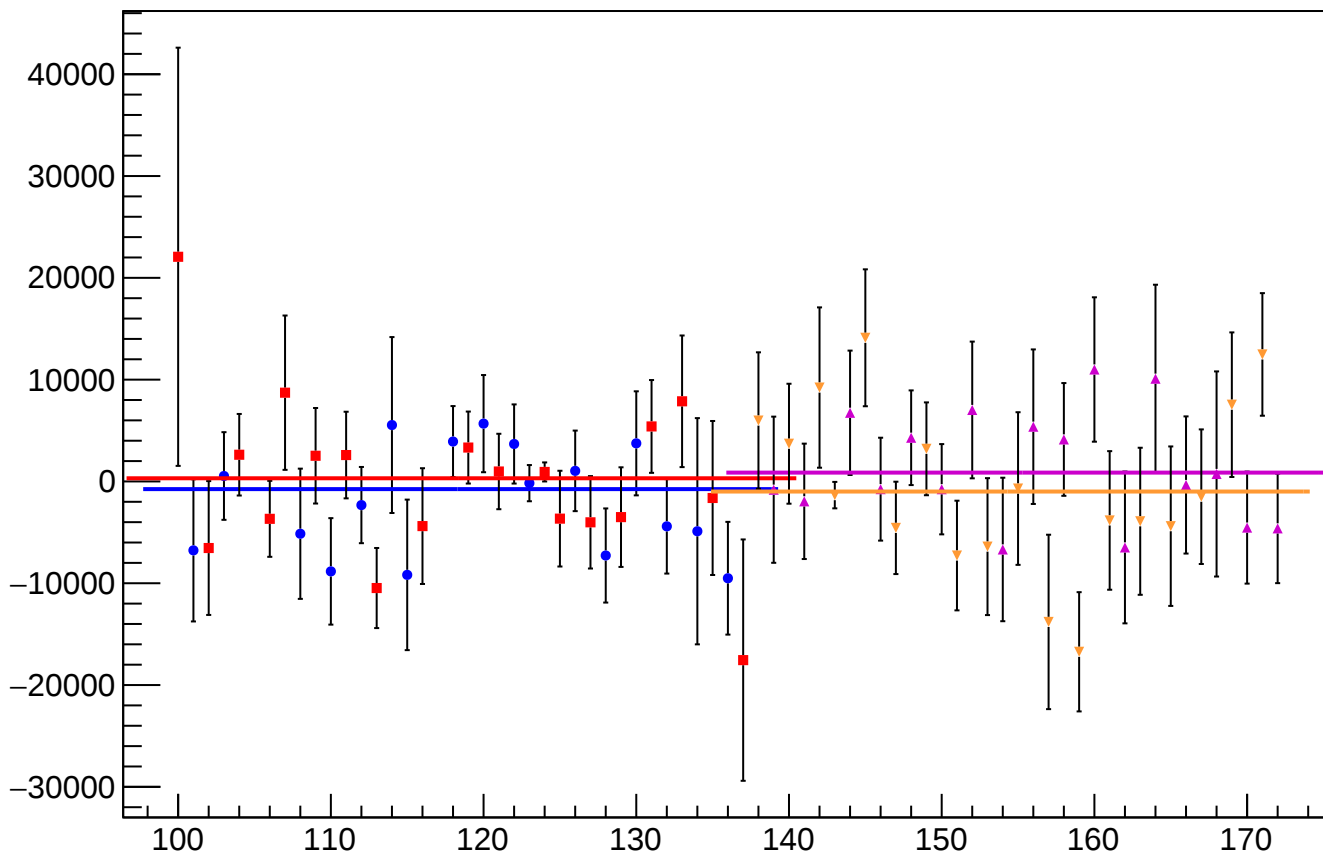
Right: 1773.682+/-0.347 χ^2/NDF : 952527.4/35

In: 1885.261+/-0.302 χ^2/NDF : 762886.1/33

Out: 1891.209+/-0.299 χ^2/NDF : 795054.3/36

All: 1888.268+/-0.213 χ^2/NDF : 1558135.9/70

asym_atr1l2_avg_correction_mean vs Slug, Sign Corrected



Right In: -753.428+/-1008.523 χ^2/NDF : 16.9/16

Left Out: -991.008+/-988.626 χ^2/NDF : 28.4/17

Right Out: 311.405+/-725.132 χ^2/NDF : 22.0/18

Left In: 867.500+/-1482.639 χ^2/NDF : 10.7/16

Left: -418.999+/-822.535 χ^2/NDF : 40.3/34

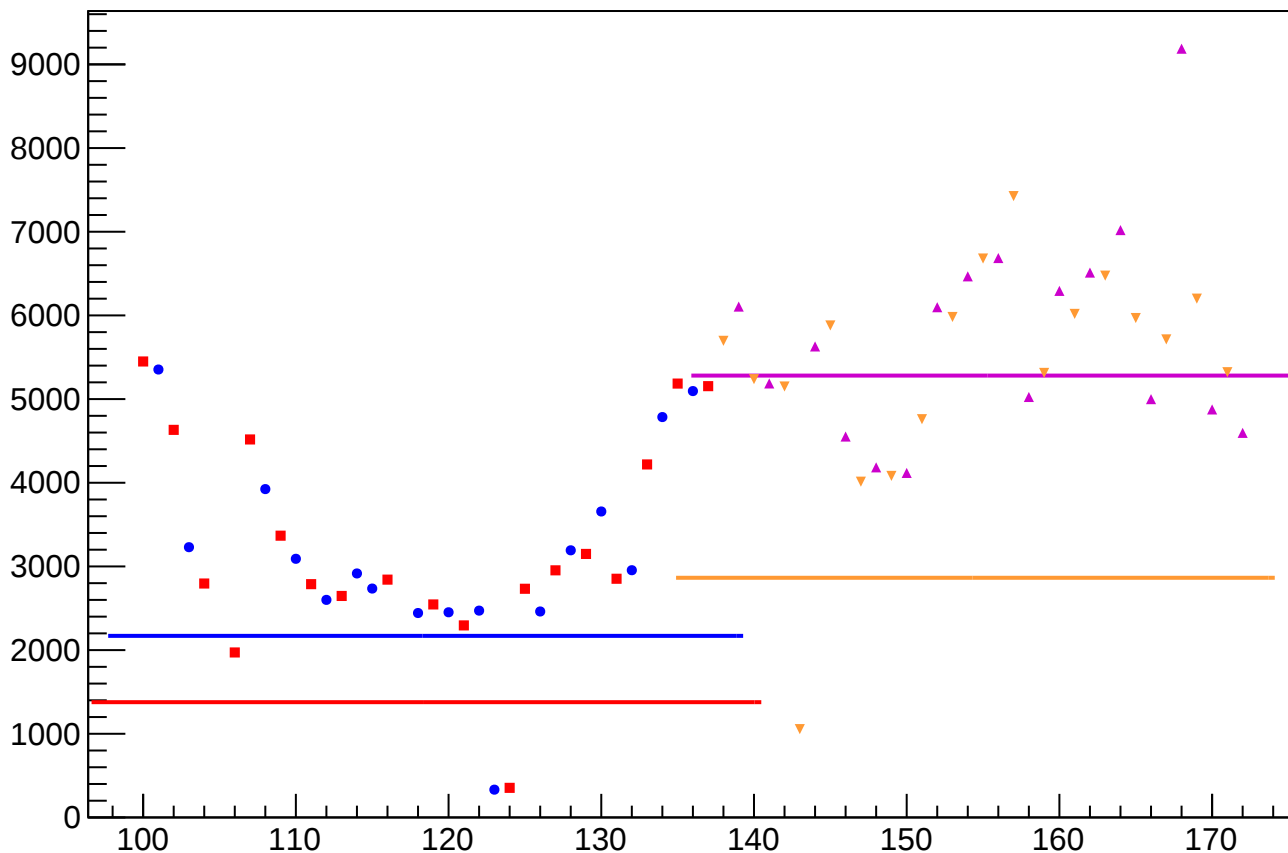
Right: -51.479+/-588.747 χ^2/NDF : 39.7/35

In: -240.674+/-833.888 χ^2/NDF : 28.5/33

Out: -144.177+/-584.711 χ^2/NDF : 51.6/36

All: -175.983+/-478.747 χ^2/NDF : 80.1/70

asym_atr1l2_avg_correction_rms vs Slug, Sign Corrected



Right In: 2170.242 $\pm$ 0.713 χ^2 /NDF: 3973725.5/16

Left Out: 2864.395 $\pm$ 0.699 χ^2 /NDF:9902673.2/17

Right Out: 1377.716 $\pm$ 0.513 χ^2 /NDF: 6847297.6/18

Left In: 5280.849 $\pm$ 1.048 χ^2 /NDF:996505.8/16

Left: 3608.128 $\pm$ 0.582 χ^2 /NDF: 14576752.7/34

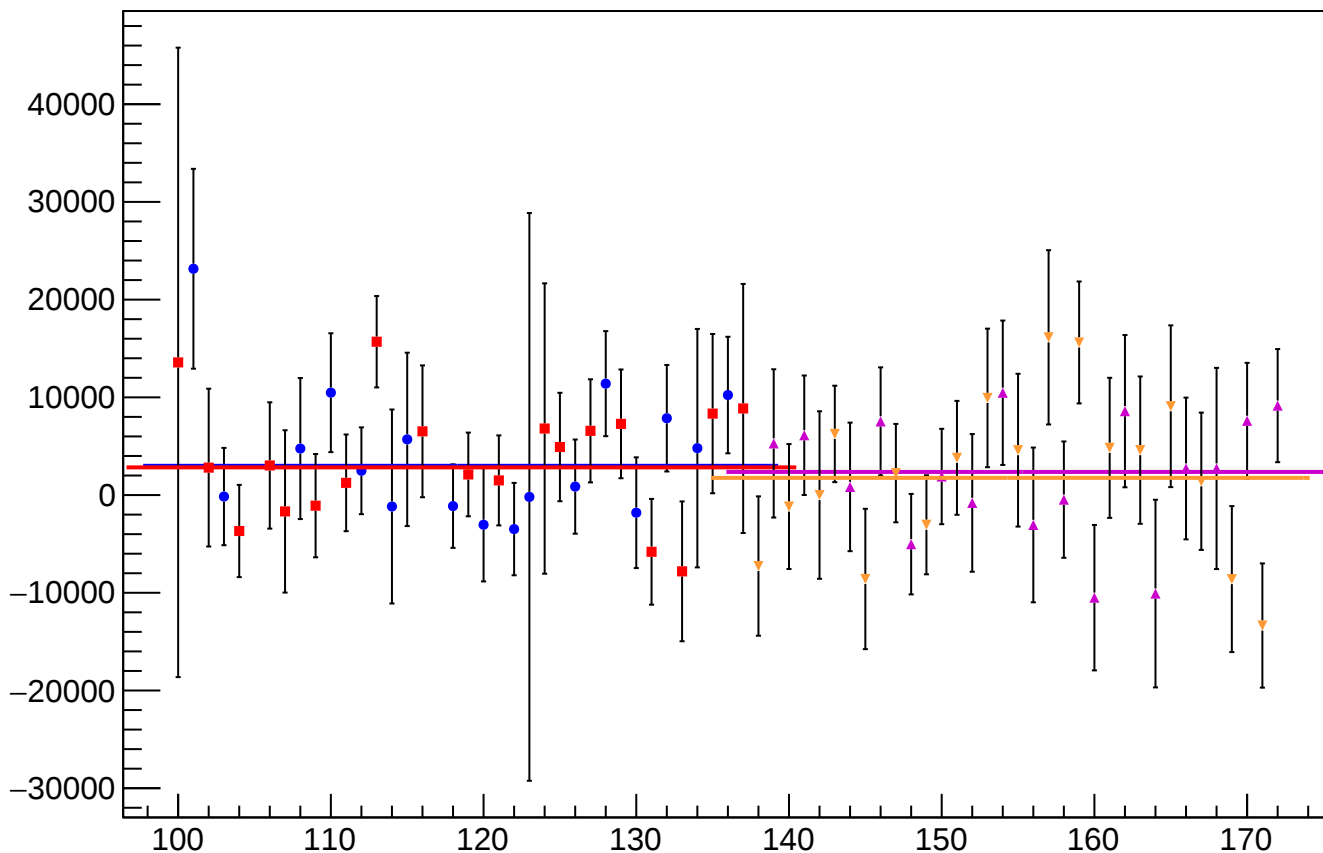
Right: 1647.801 $\pm$ 0.416 χ^2 /NDF: 11635181.2/35

In: 3154.231 $\pm$ 0.590 χ^2 /NDF:10988811.2/33

Out: 1897.754 $\pm$ 0.413 χ^2 /NDF:19690654.2/36

All: 2311.897 $\pm$ 0.339 χ^2 /NDF: 33723524.9/71

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2992.806 $\pm$ 1447.211 χ^2 /NDF: 15.7/16

Left Out: 1759.106 $\pm$ 1552.041 χ^2 /NDF:23.5/17

Right Out: 2833.408 $\pm$ 1379.110 χ^2 /NDF: 17.7/18

Left In: 2367.145 $\pm$ 1592.254 χ^2 /NDF:13.1/16

Left: 2055.350 $\pm$ 1111.403 χ^2 /NDF: 36.6/34

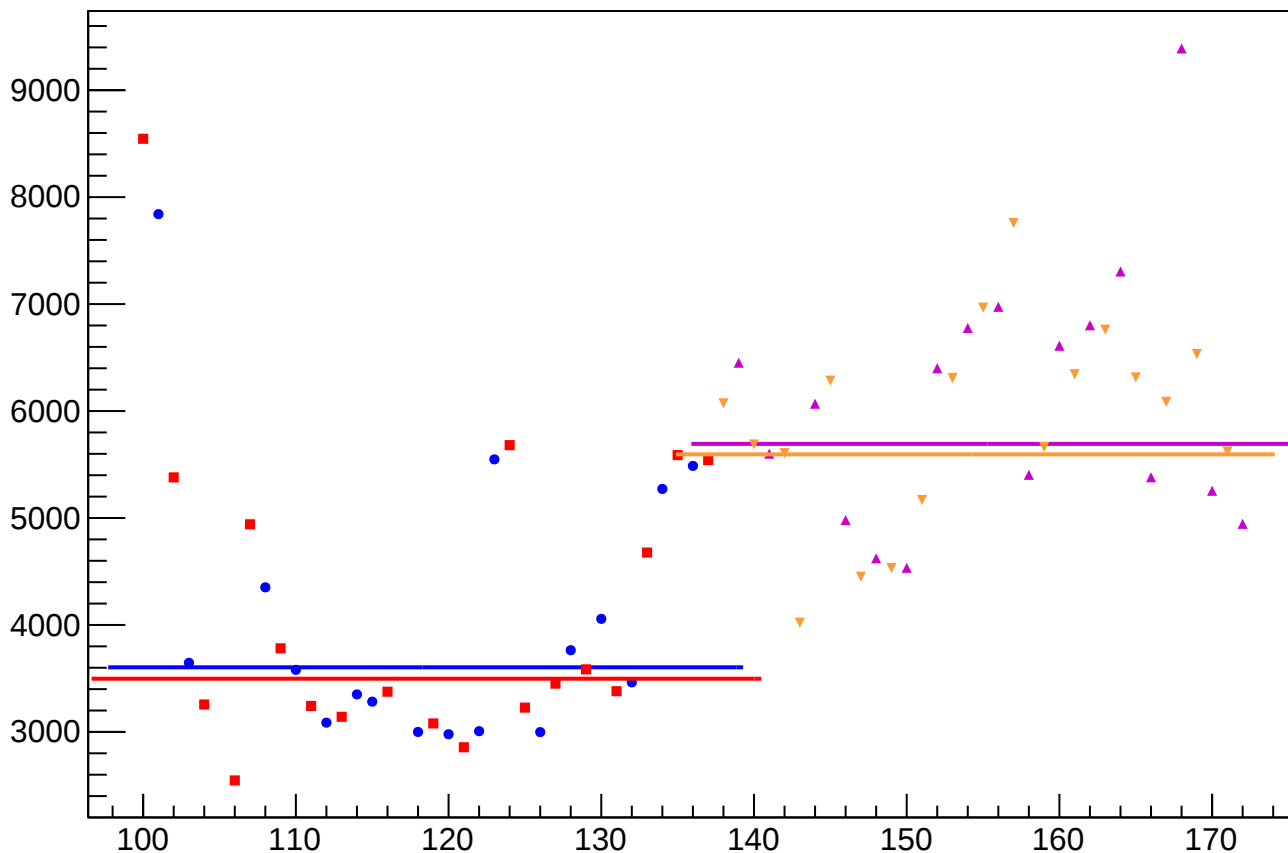
Right: 2909.269 $\pm$ 998.385 χ^2 /NDF: 33.4/35

In: 2709.764 $\pm$ 1070.947 χ^2 /NDF:28.9/33

Out: 2359.418 $\pm$ 1030.919 χ^2 /NDF:41.5/36

All: 2527.922 $\pm$ 742.718 χ^2 /NDF: 70.4/70

asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 3603.930+/-1.023 χ^2/NDF : 784674.5/16

Left Out: 5595.253+/-1.097 χ^2/NDF : 759059.2/17

Right Out: 3497.586+/-0.962 χ^2/NDF : 661898.6/18

Left In: 5693.082+/-1.126 χ^2/NDF : 812930.9/16

Left: 5642.917+/-0.786 χ^2/NDF : 1575861.6/34

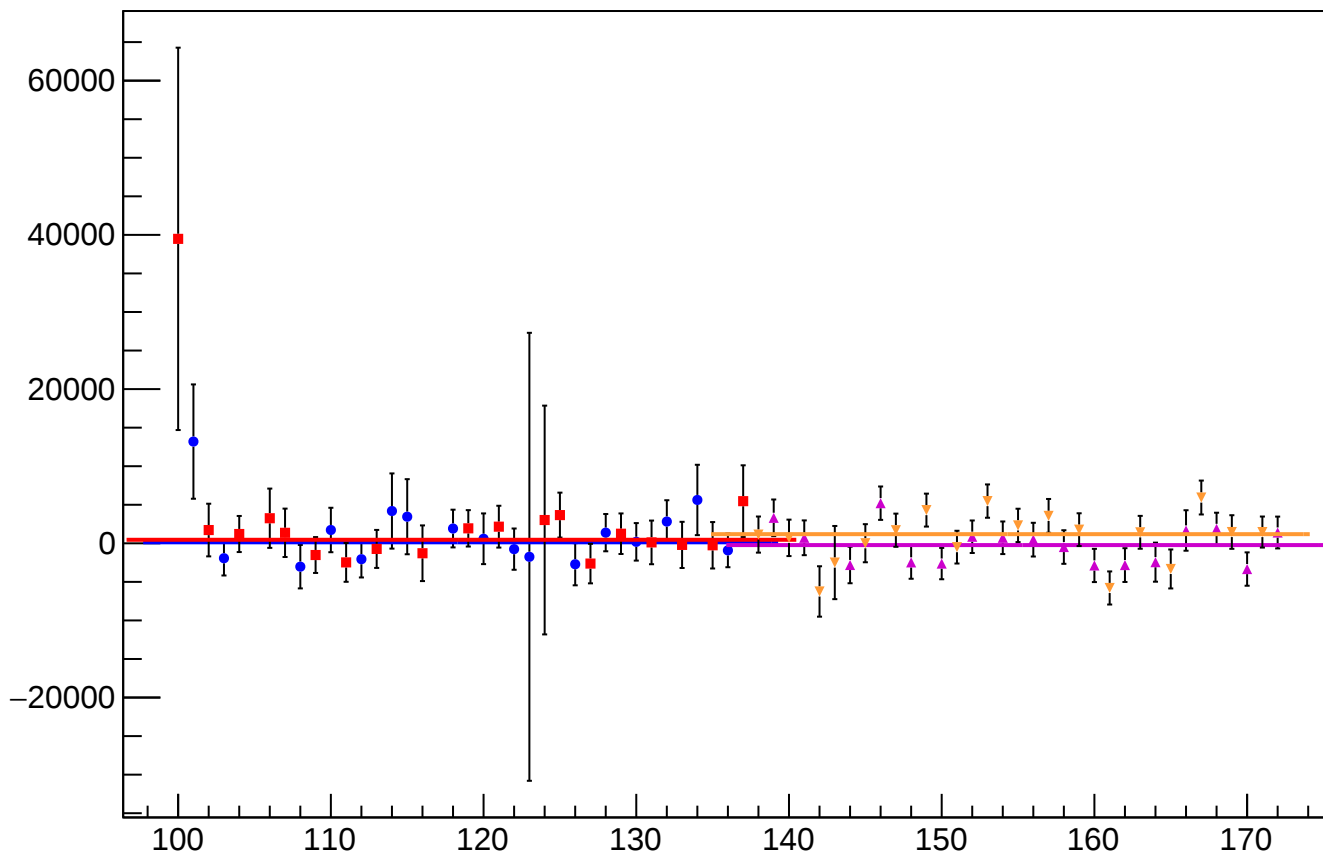
Right: 3547.455+/-0.701 χ^2/NDF : 1452308.2/35

In: 4549.032+/-0.757 χ^2/NDF : 3483080.5/33

Out: 4408.640+/-0.723 χ^2/NDF : 3487618.3/36

All: 4475.612+/-0.523 χ^2/NDF : 6988673.0/70

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 130.913 $\pm$ 709.207 χ^2 /NDF: 12.2/16

Left Out: 1187.536 $\pm$ 539.506 χ^2 /NDF:32.8/17

Right Out: 459.034 $\pm$ 681.841 χ^2 /NDF: 10.7/18

Left In: -228.104 $\pm$ 534.596 χ^2 /NDF:20.9/16

Left: 473.245 $\pm$ 379.741 χ^2 /NDF: 57.1/34

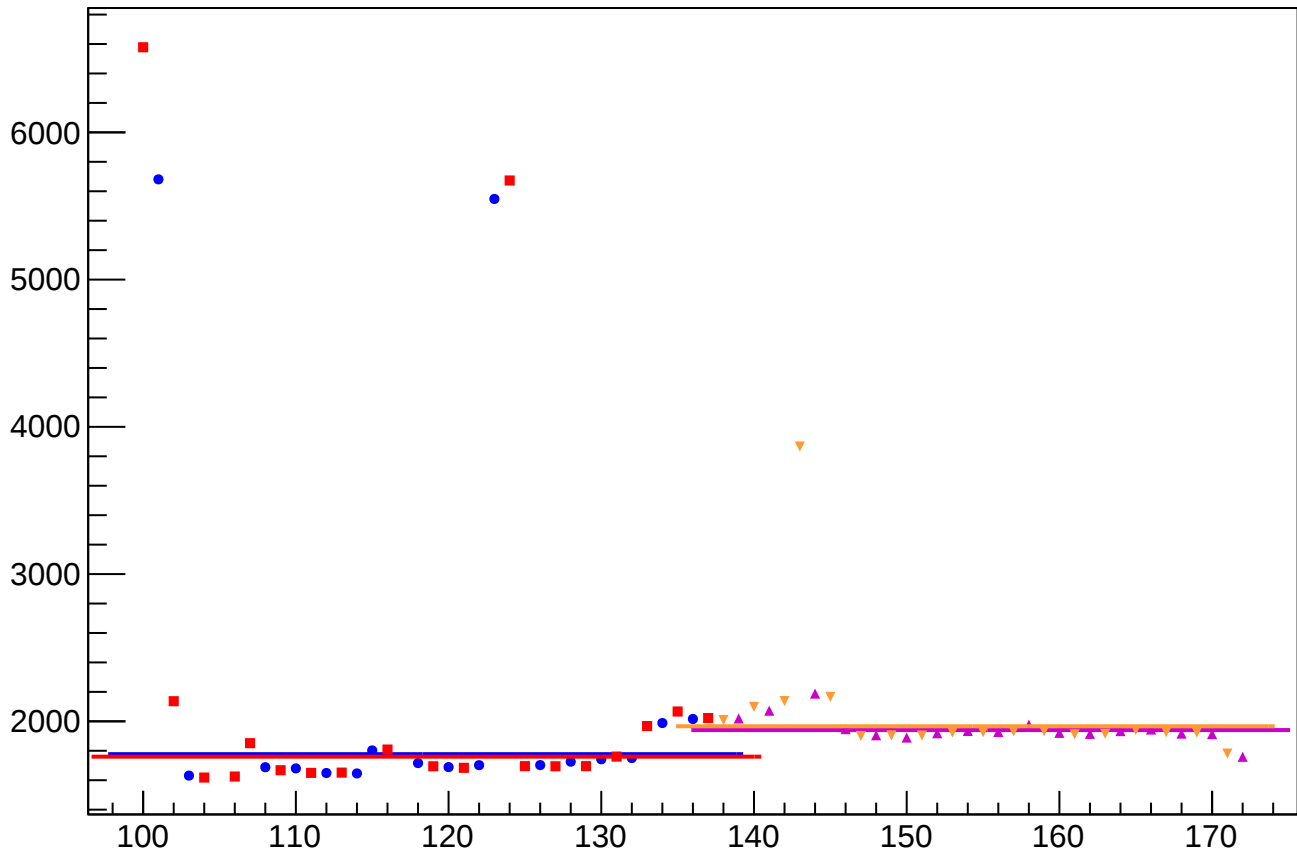
Right: 301.426 $\pm$ 491.524 χ^2 /NDF: 23.0/35

In: -98.022 $\pm$ 426.898 χ^2 /NDF:33.2/33

Out: 907.047 $\pm$ 423.084 χ^2 /NDF:44.2/36

All: 409.023 $\pm$ 300.505 χ^2 /NDF: 80.2/70

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1776.879+/-0.501 χ^2/NDF : 643576.8/16

Left Out: 1966.622+/-0.381 χ^2/NDF : 374837.5/17

Right Out: 1759.990+/-0.479 χ^2/NDF : 306154.6/18

Left In: 1940.671+/-0.378 χ^2/NDF : 50092.2/16

Left: 1953.528+/-0.269 χ^2/NDF : 427264.6/34

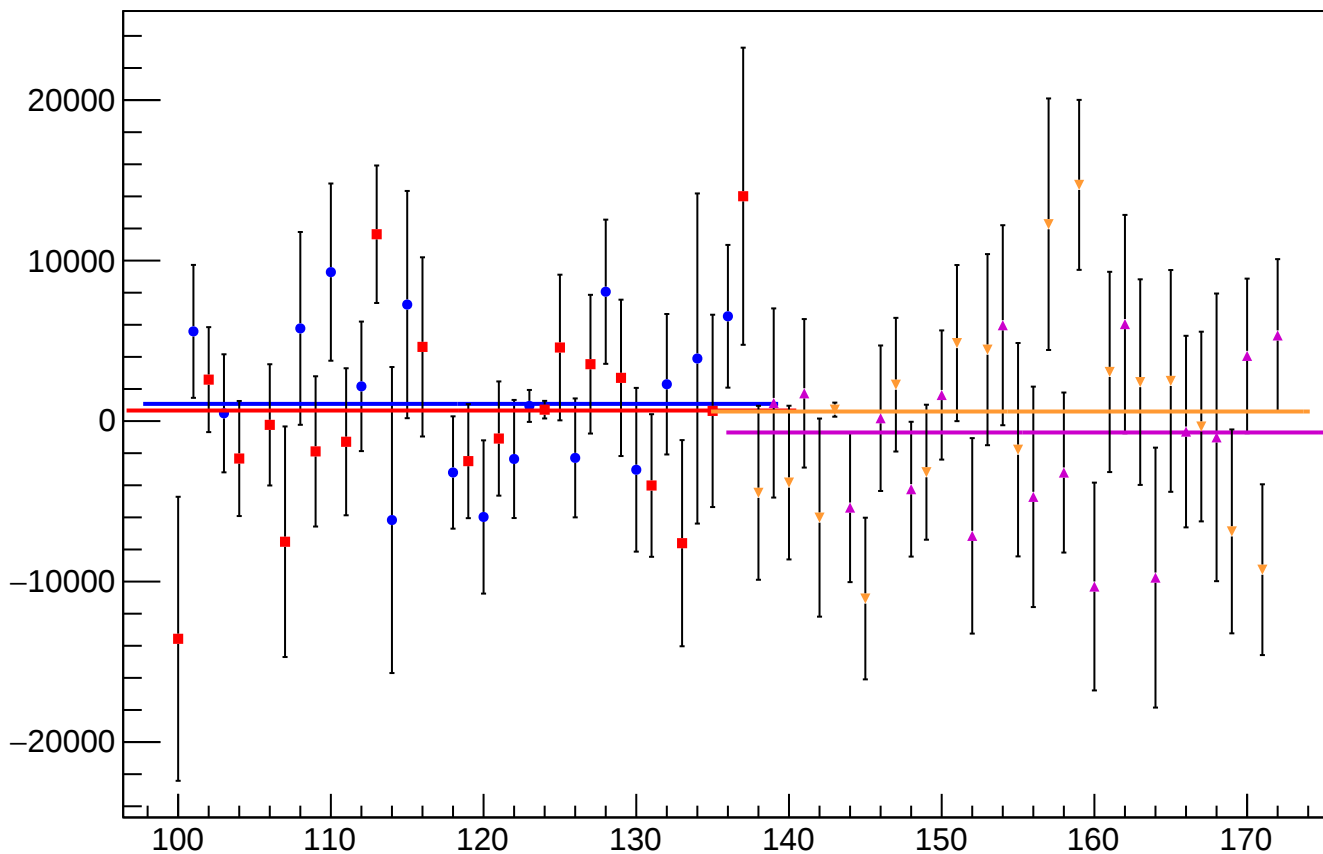
Right: 1768.045+/-0.346 χ^2/NDF : 950324.7/35

In: 1881.324+/-0.302 χ^2/NDF : 761693.8/33

Out: 1886.395+/-0.298 χ^2/NDF : 794899.6/36

All: 1883.889+/-0.212 χ^2/NDF : 1556736.1/70

asym_atr1l2_dd_correction_mean vs Slug, Sign Corrected



Right In: 1072.194+/-752.280 χ^2/NDF : 15.6/16

Left Out: 596.664+/-416.903 χ^2/NDF : 25.1/17

Right Out: 658.759+/-488.034 χ^2/NDF : 19.8/18

Left In: -709.713+/-1299.957 χ^2/NDF : 12.4/16

Left: 474.831+/-396.987 χ^2/NDF : 38.3/34

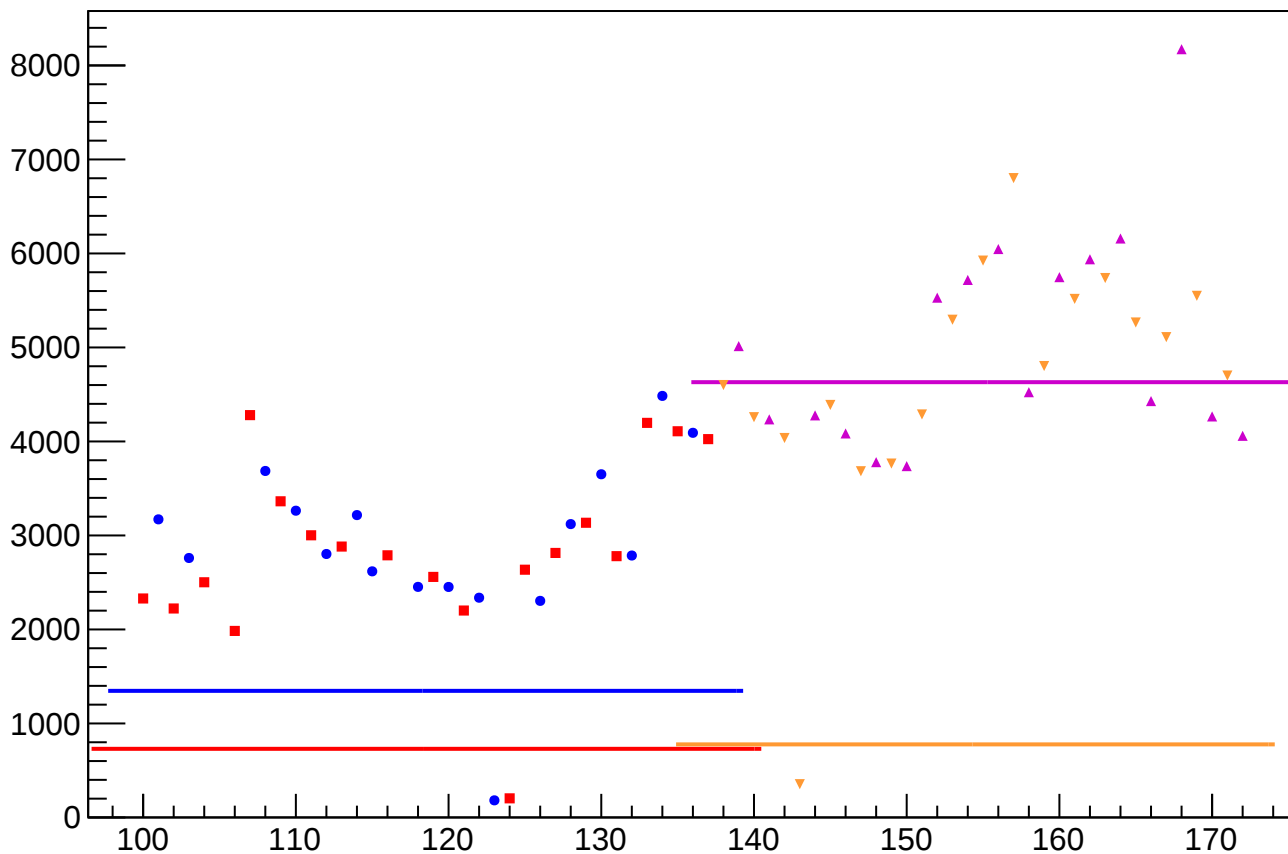
Right: 781.219+/-409.424 χ^2/NDF : 35.6/35

In: 625.160+/-651.114 χ^2/NDF : 29.3/33

Out: 622.861+/-316.989 χ^2/NDF : 44.9/36

All: 623.301+/-285.008 χ^2/NDF : 74.2/70

asym_atr1l2_dd_correction_rms vs Slug, Sign Corrected



Right In: 1346.836 $\pm$ 0.532 χ^2 /NDF: 6839112.6/16

Left Out: 777.348 $\pm$ 0.295 χ^2 /NDF: 19701254.0/17

Right Out: 730.119 $\pm$ 0.345 χ^2 /NDF: 9503127.2/18

Left In: 4630.598 $\pm$ 0.919 χ^2 /NDF: 994443.1/16

Left: 1136.702 $\pm$ 0.281 χ^2 /NDF: 36629113.2/34

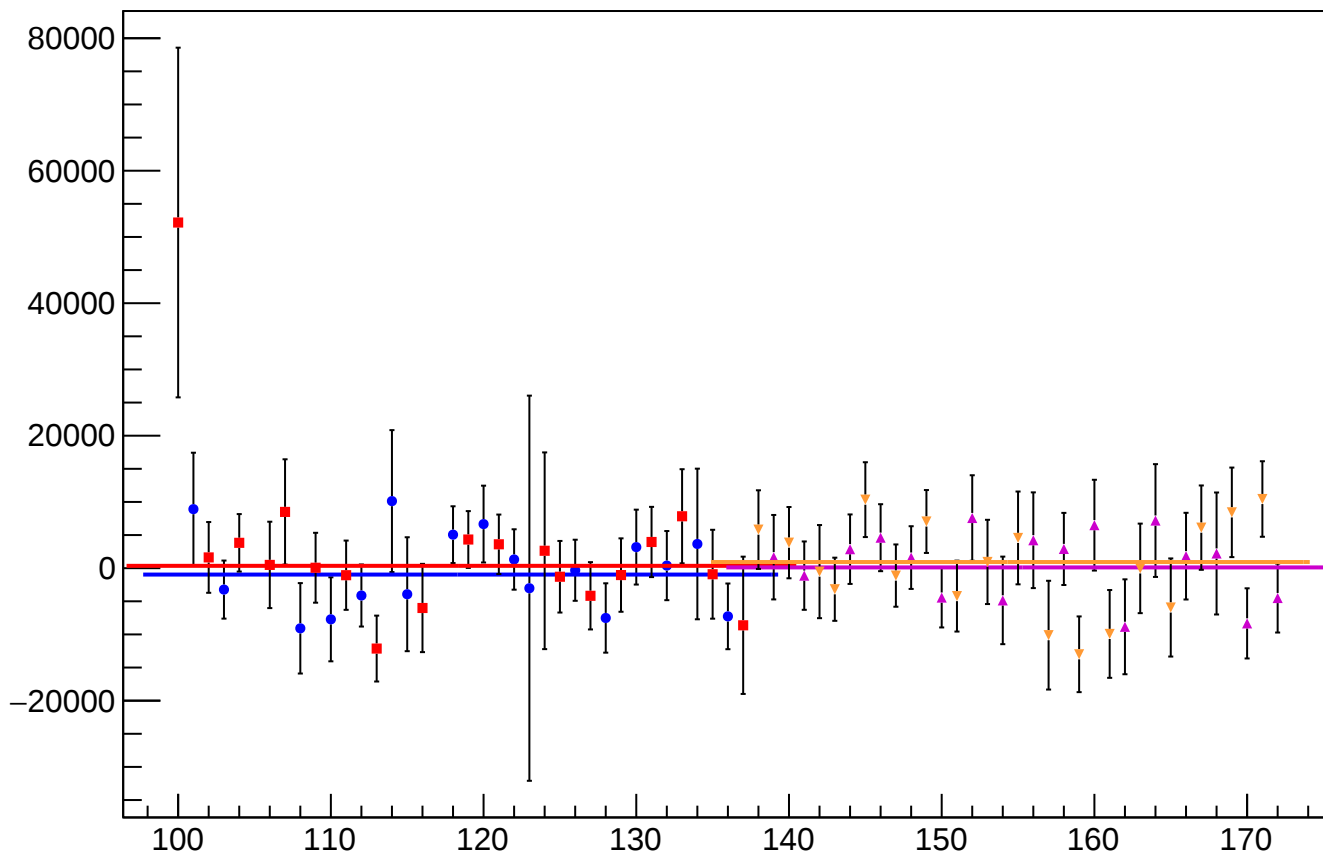
Right: 912.792 $\pm$ 0.290 χ^2 /NDF: 17288237.9/35

In: 2170.646 $\pm$ 0.460 χ^2 /NDF: 17393821.6/33

Out: 757.423 $\pm$ 0.224 χ^2 /NDF: 29215209.5/36

All: 1028.200 $\pm$ 0.202 χ^2 /NDF: 54225661.9/71

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -964.151+/-1395.626 χ^2/NDF : 13.7/16

Left Out: 929.315+/-1395.112 χ^2/NDF : 23.6/17

Right Out: 354.646+/-1329.760 χ^2/NDF : 17.6/18

Left In: 114.524+/-1423.528 χ^2/NDF : 11.4/16

Left: 530.133+/-996.388 χ^2/NDF : 35.1/34

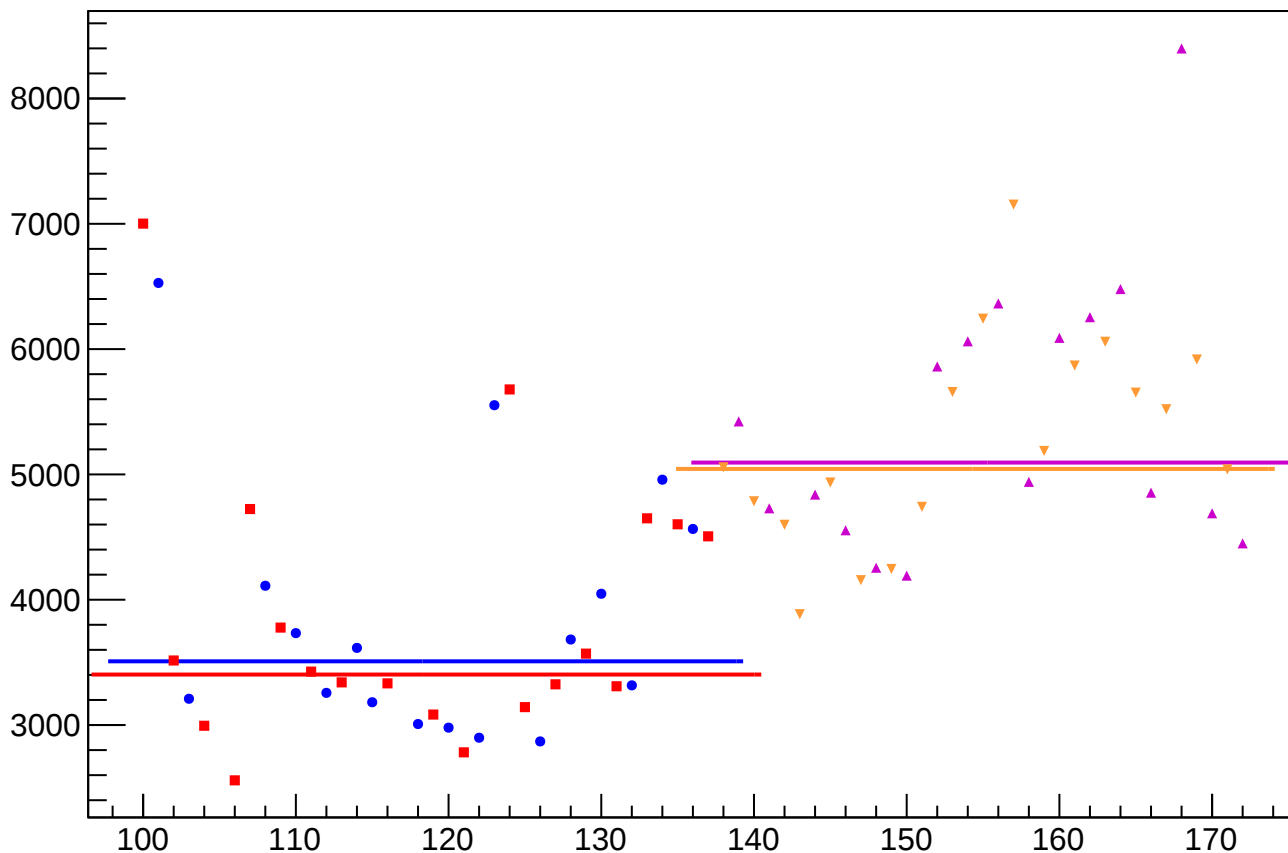
Right: -272.899+/-962.726 χ^2/NDF : 31.8/35

In: -435.489+/-996.575 χ^2/NDF : 25.4/33

Out: 628.206+/-962.557 χ^2/NDF : 41.3/36

All: 114.823+/-692.345 χ^2/NDF : 67.3/70

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3508.483+/-0.987 χ^2/NDF : 562197.7/16

Left Out: 5043.941+/-0.986 χ^2/NDF : 610620.8/17

Right Out: 3402.883+/-0.928 χ^2/NDF : 428556.1/18

Left In: 5094.562+/-1.007 χ^2/NDF : 770489.2/16

Left: 5068.741+/-0.705 χ^2/NDF : 1382400.0/34

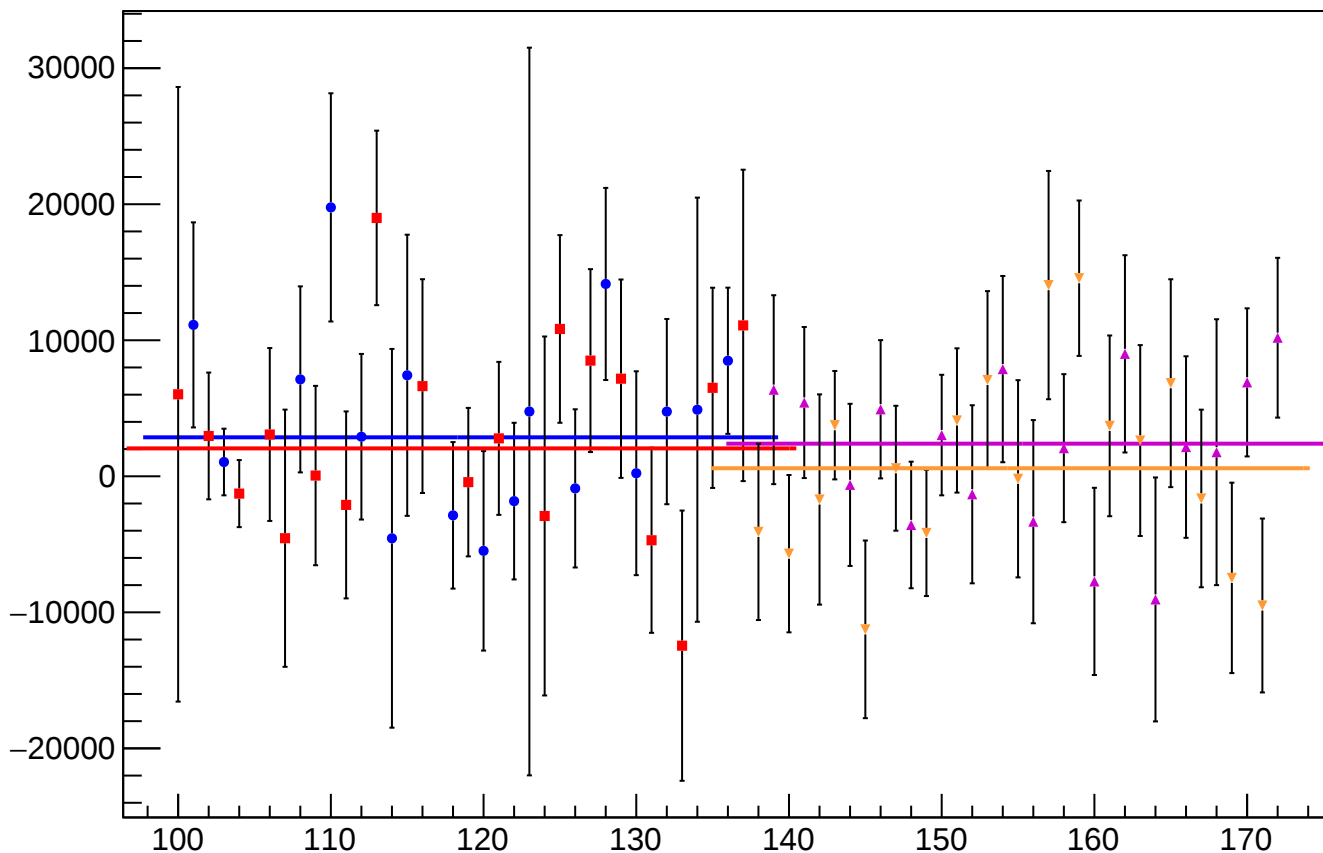
Right: 3452.447+/-0.676 χ^2/NDF : 996829.8/35

In: 4285.821+/-0.705 χ^2/NDF : 2598681.6/33

Out: 4173.418+/-0.676 χ^2/NDF : 2507140.9/36

All: 4227.283+/-0.488 χ^2/NDF : 5119072.9/70

reg_asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 591.816+/-1411.193 χ^2/NDF : 21.7/17

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 2398.540+/-1471.492 χ^2/NDF : 11.4/16

Left: 1457.402+/-1018.514 χ^2/NDF : 33.9/34

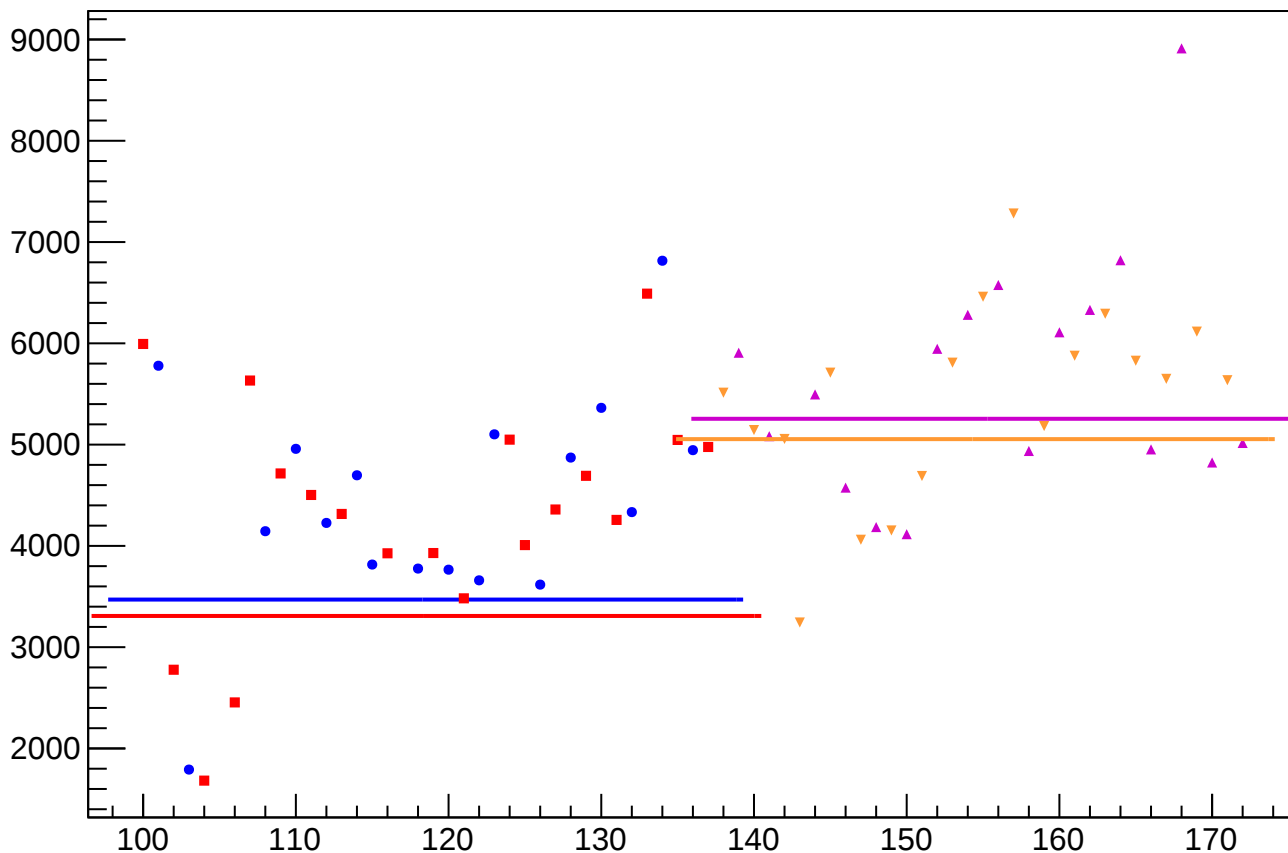
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2634.658+/-1033.779 χ^2/NDF : 25.5/33

Out: 1336.988+/-987.226 χ^2/NDF : 39.9/36

All: 1955.948+/-713.965 χ^2/NDF : 66.3/70

reg_asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 5054.207 $\pm$ 0.998 χ^2 /NDF: 1058839.2/17

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5254.962 $\pm$ 1.041 χ^2 /NDF: 868949.4/16

Left: 5150.387 $\pm$ 0.720 χ^2 /NDF: 1947179.9/34

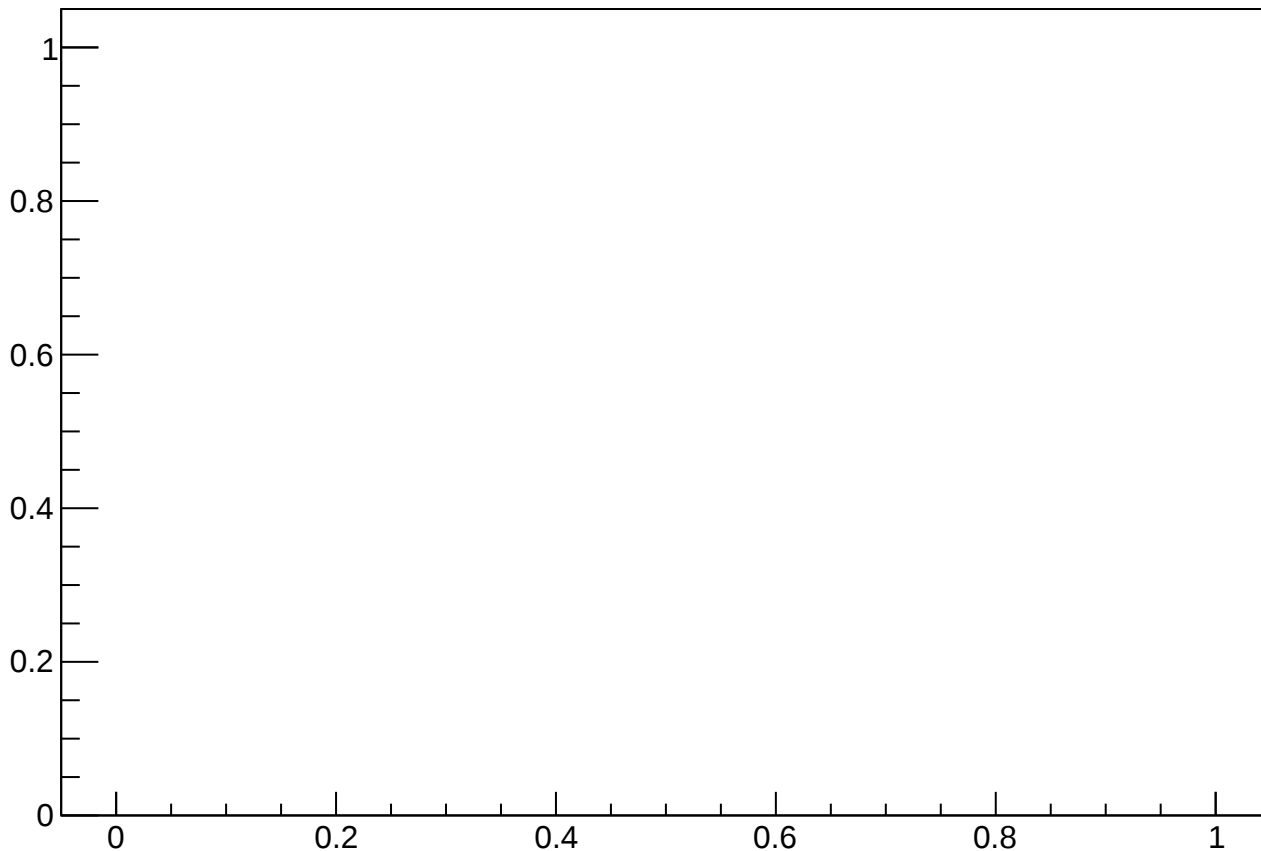
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4350.984 $\pm$ 0.731 χ^2 /NDF: 4120167.1/33

Out: 4154.705 $\pm$ 0.695 χ^2 /NDF: 4546850.7/36

All: 4247.866 $\pm$ 0.504 χ^2 /NDF: 8704896.3/70

asym_atl_avg_atr_avg_avg_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

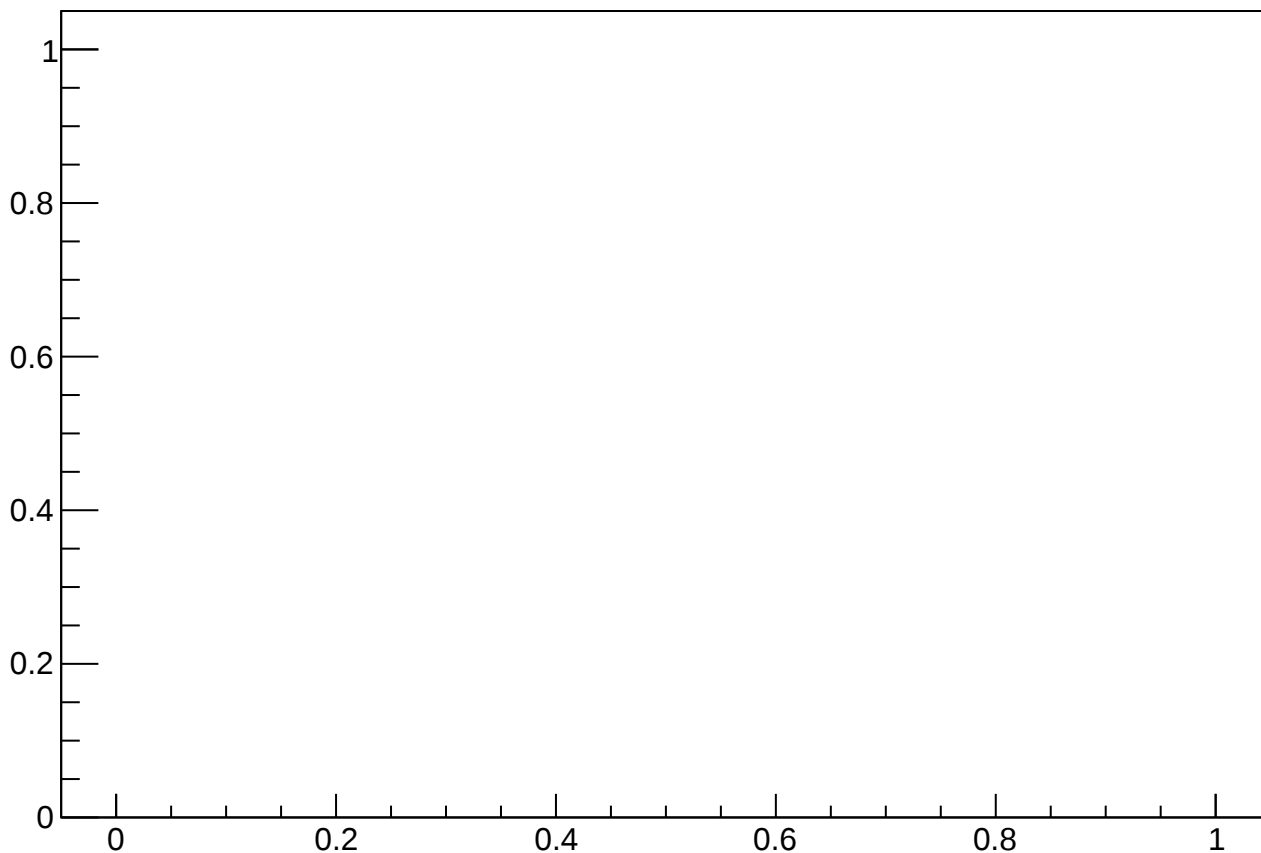
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

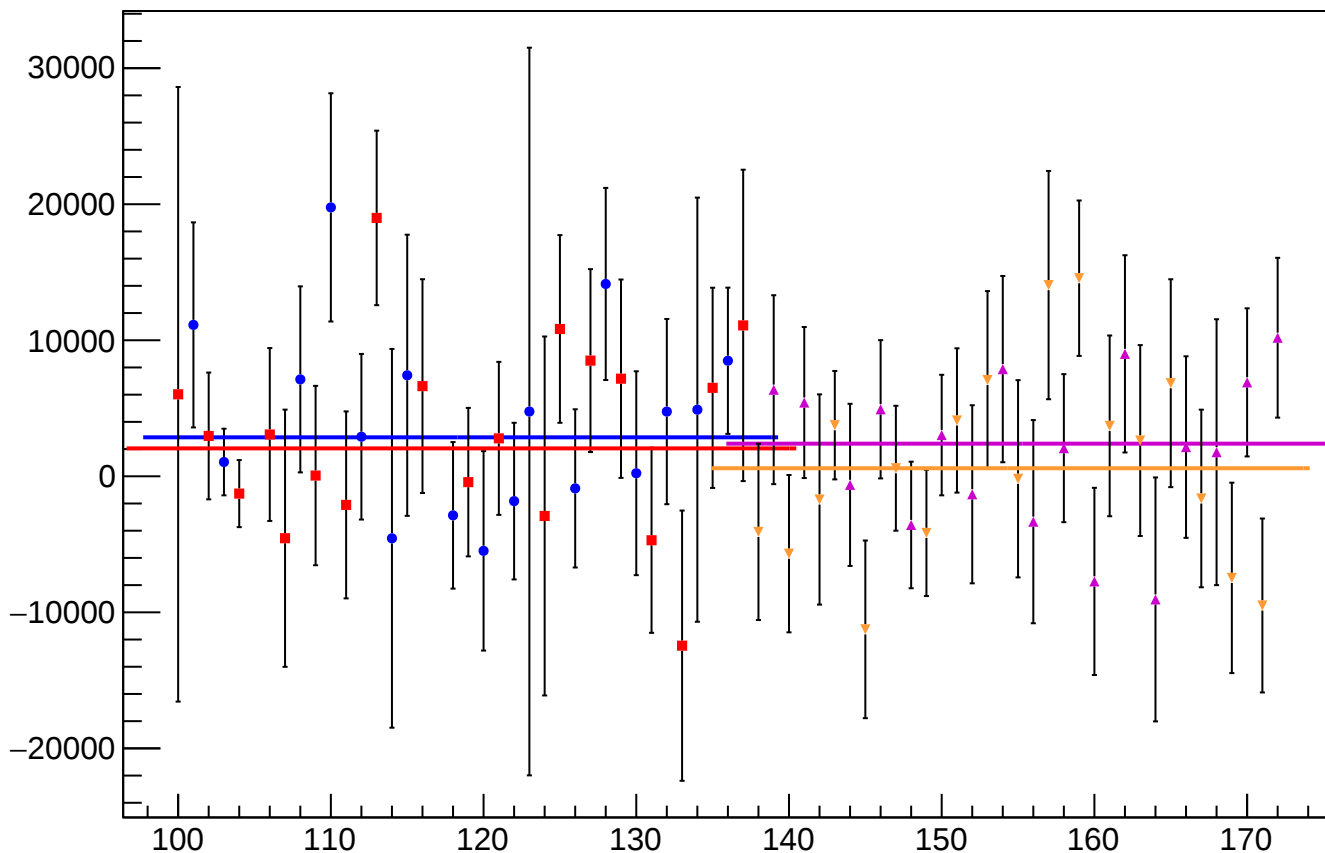
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_avg_mean vs Slug, Sign Corrected



Right In: 2864.770+/-1452.658 χ^2/NDF : 14.1/16

Left Out: 591.816+/-1411.193 χ^2/NDF : 21.7/17

Right Out: 2051.211+/-1381.577 χ^2/NDF : 17.7/18

Left In: 2398.540+/-1471.492 χ^2/NDF : 11.4/16

Left: 1457.402+/-1018.514 χ^2/NDF : 33.9/34

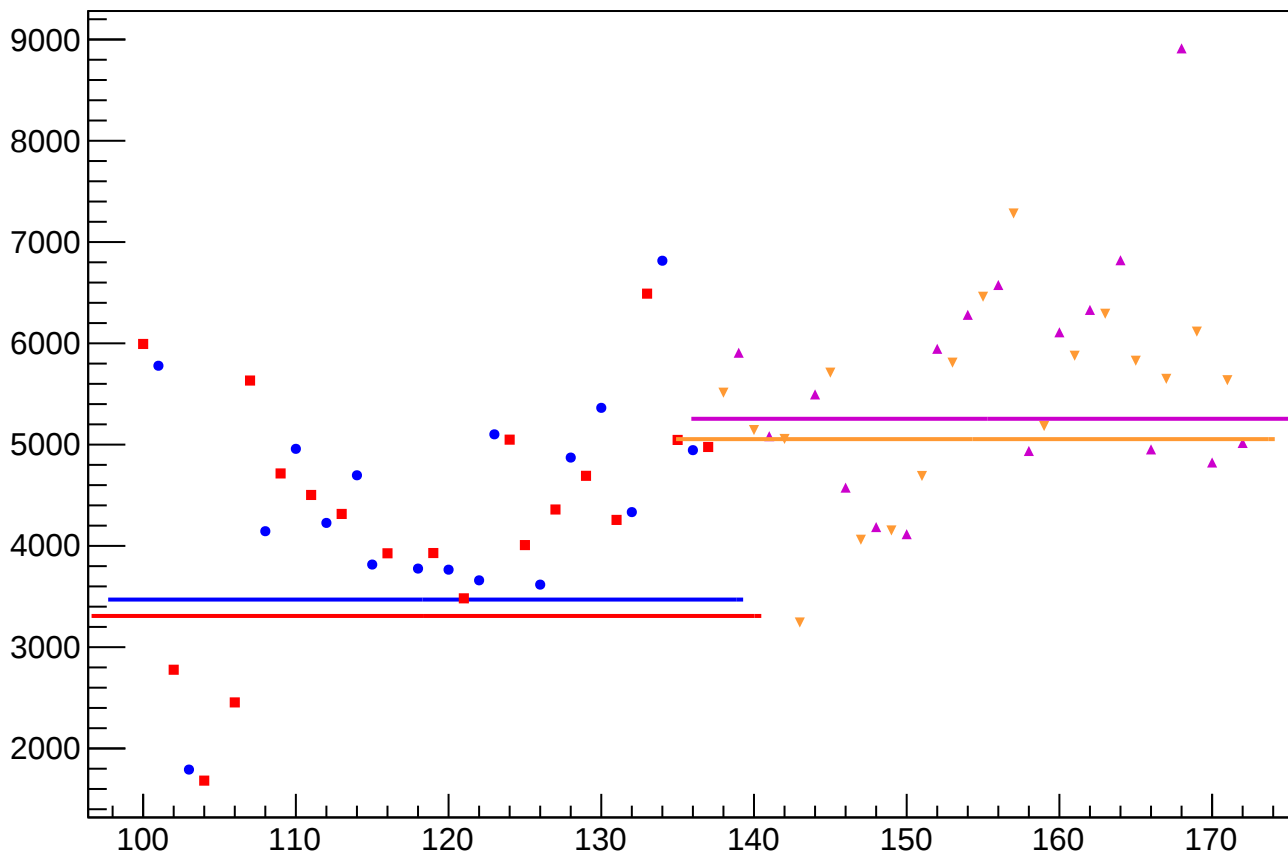
Right: 2437.600+/-1001.108 χ^2/NDF : 31.9/35

In: 2634.658+/-1033.779 χ^2/NDF : 25.5/33

Out: 1336.988+/-987.226 χ^2/NDF : 39.9/36

All: 1955.948+/-713.965 χ^2/NDF : 66.3/70

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 3470.042 $\pm$ 1.027 χ^2 /NDF: 1760860.6/16

Left Out: 5054.207 $\pm$ 0.998 χ^2 /NDF:1058839.2/17

Right Out: 3308.243 $\pm$ 0.968 χ^2 /NDF: 1910782.0/18

Left In: 5254.962 $\pm$ 1.041 χ^2 /NDF:868949.4/16

Left: 5150.387 $\pm$ 0.720 χ^2 /NDF: 1947179.9/34

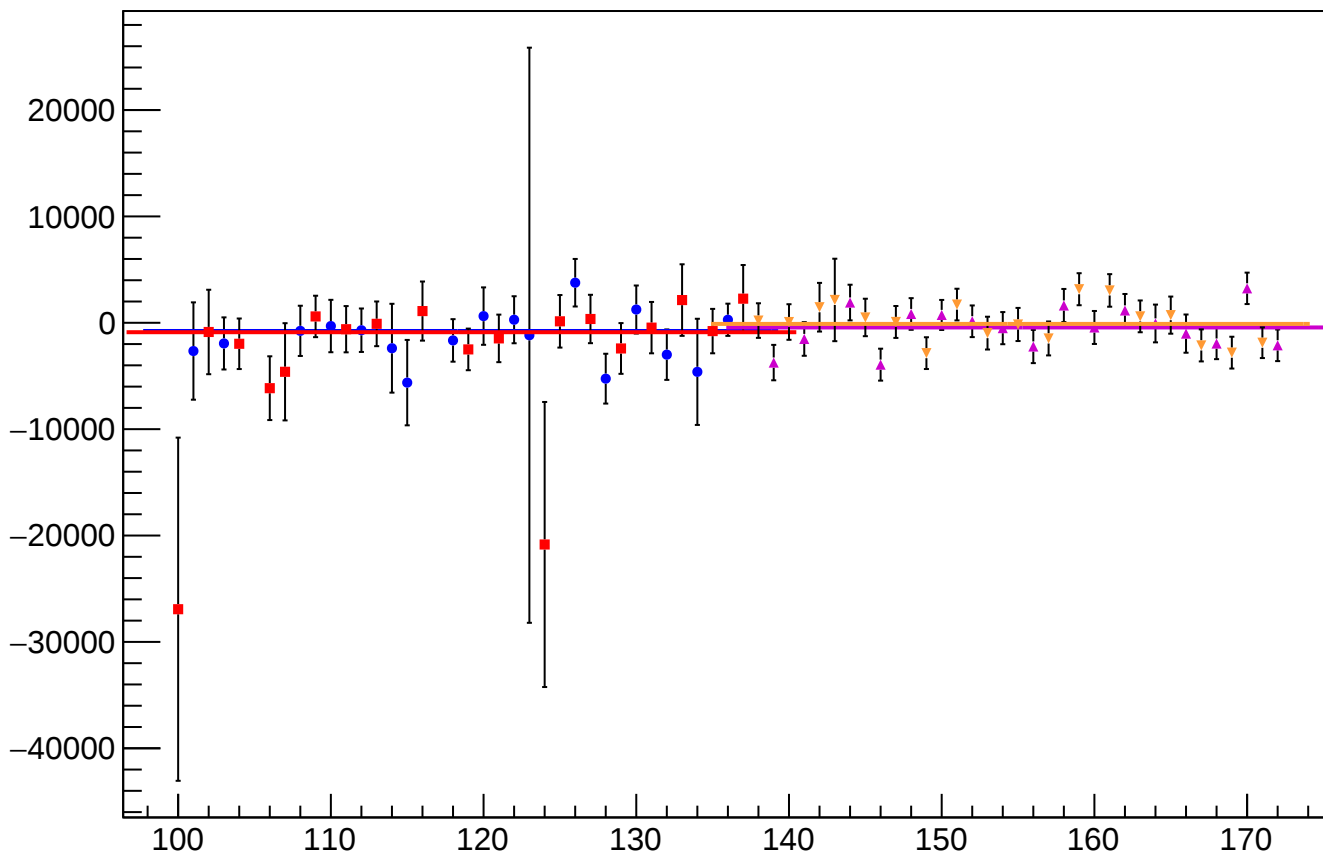
Right: 3384.349 $\pm$ 0.704 χ^2 /NDF: 3684784.1/35

In: 4350.984 $\pm$ 0.731 χ^2 /NDF:4120167.1/33

Out: 4154.705 $\pm$ 0.695 χ^2 /NDF:4546850.7/36

All: 4247.866 $\pm$ 0.504 χ^2 /NDF: 8704896.3/70

reg_asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -105.514+/-380.700 χ^2/NDF :22.9/17

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -438.779+/-376.286 χ^2/NDF :26.2/16

Left: -274.090+/-267.621 χ^2/NDF : 49.4/34

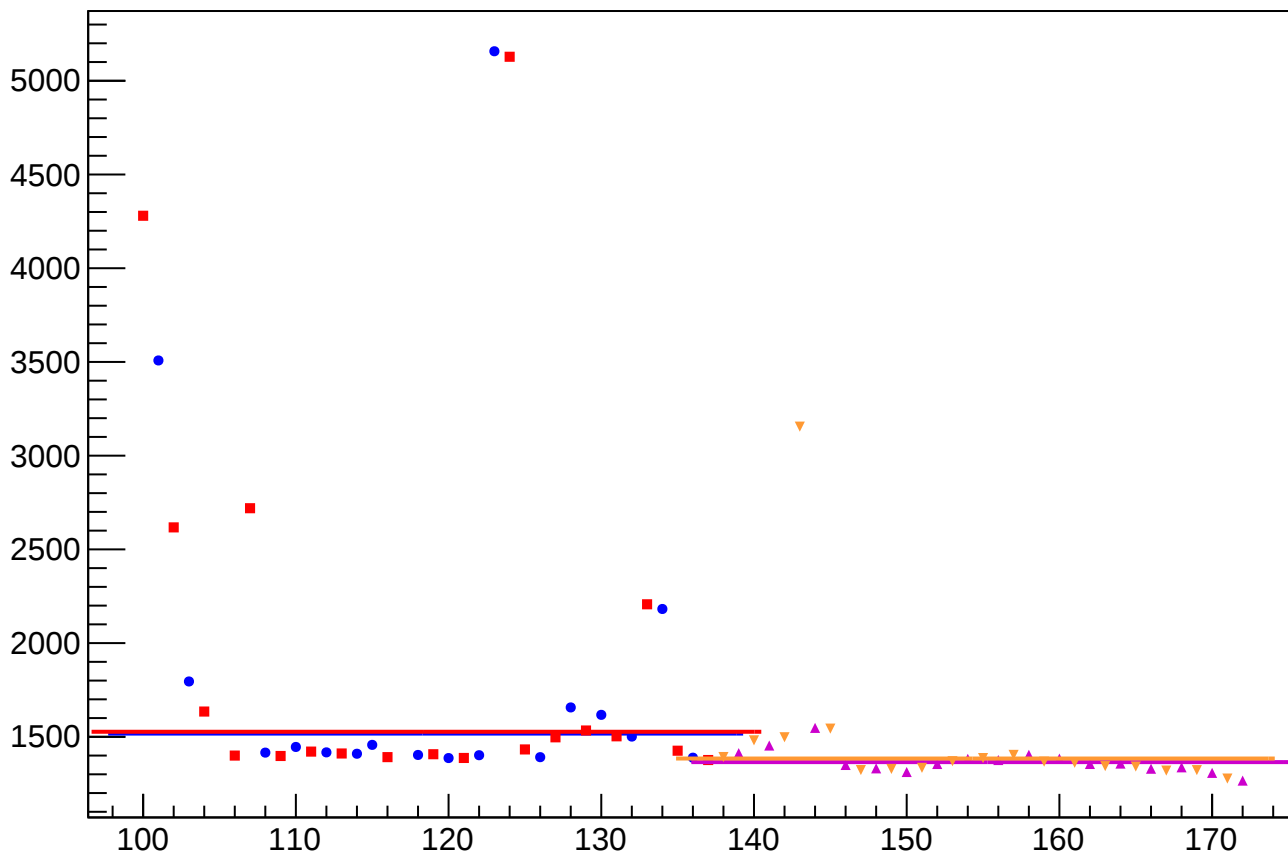
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -531.779+/-319.332 χ^2/NDF :39.7/33

Out: -331.946+/-320.686 χ^2/NDF :37.6/36

All: -432.285+/-226.279 χ^2/NDF : 77.4/70

reg_asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334 ± 0.427 χ^2/NDF : 536662.7/16

Left Out: 1384.206 ± 0.269 χ^2/NDF : 475813.5/17

Right Out: 1527.005 ± 0.421 χ^2/NDF : 631684.2/18

Left In: 1365.039 ± 0.266 χ^2/NDF : 51118.4/16

Left: 1374.511 ± 0.189 χ^2/NDF : 529496.0/34

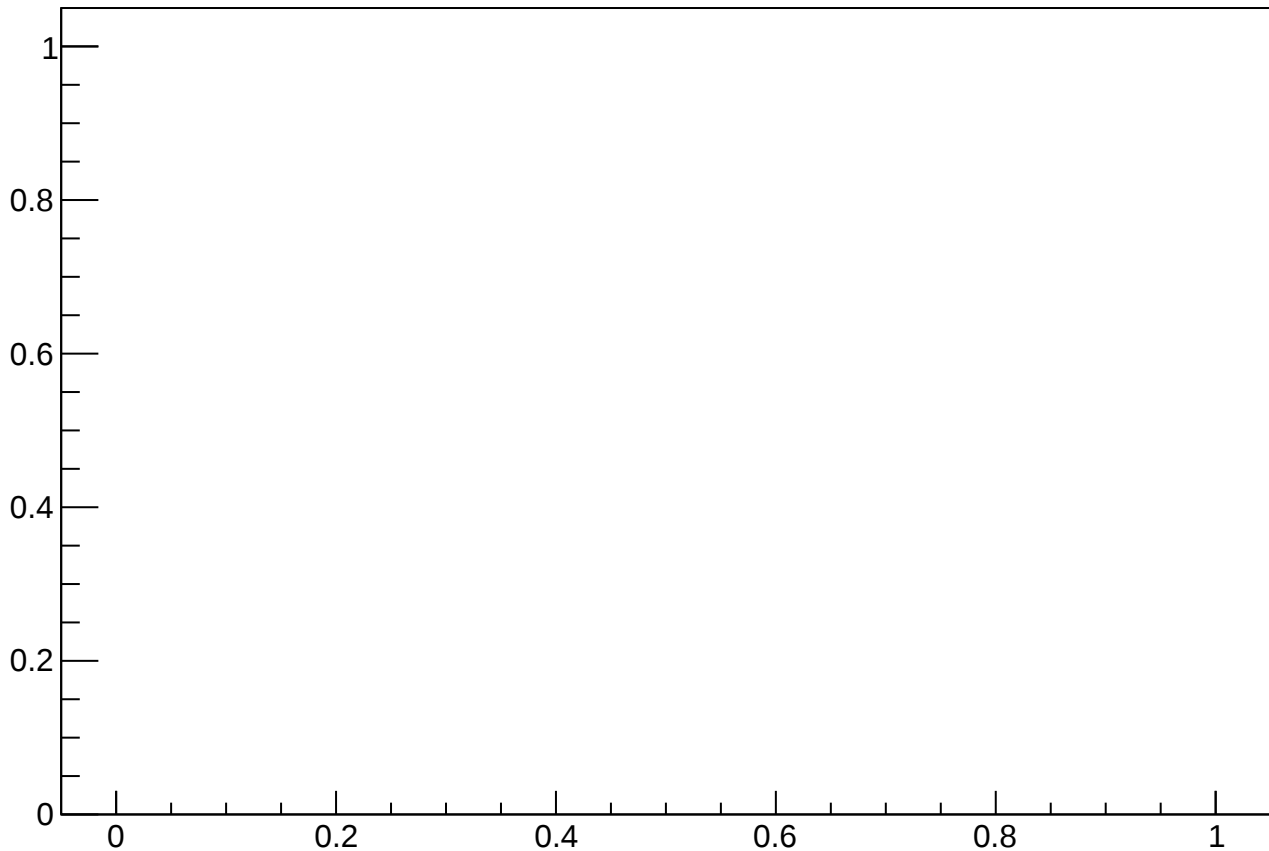
Right: 1522.239 ± 0.300 χ^2/NDF : 1168607.3/35

In: 1407.653 ± 0.226 χ^2/NDF : 679450.3/33

Out: 1425.680 ± 0.227 χ^2/NDF : 1189225.1/36

All: 1416.628 ± 0.160 χ^2/NDF : 1871848.8/70

asym_atl_avg_atr_avg_dd_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

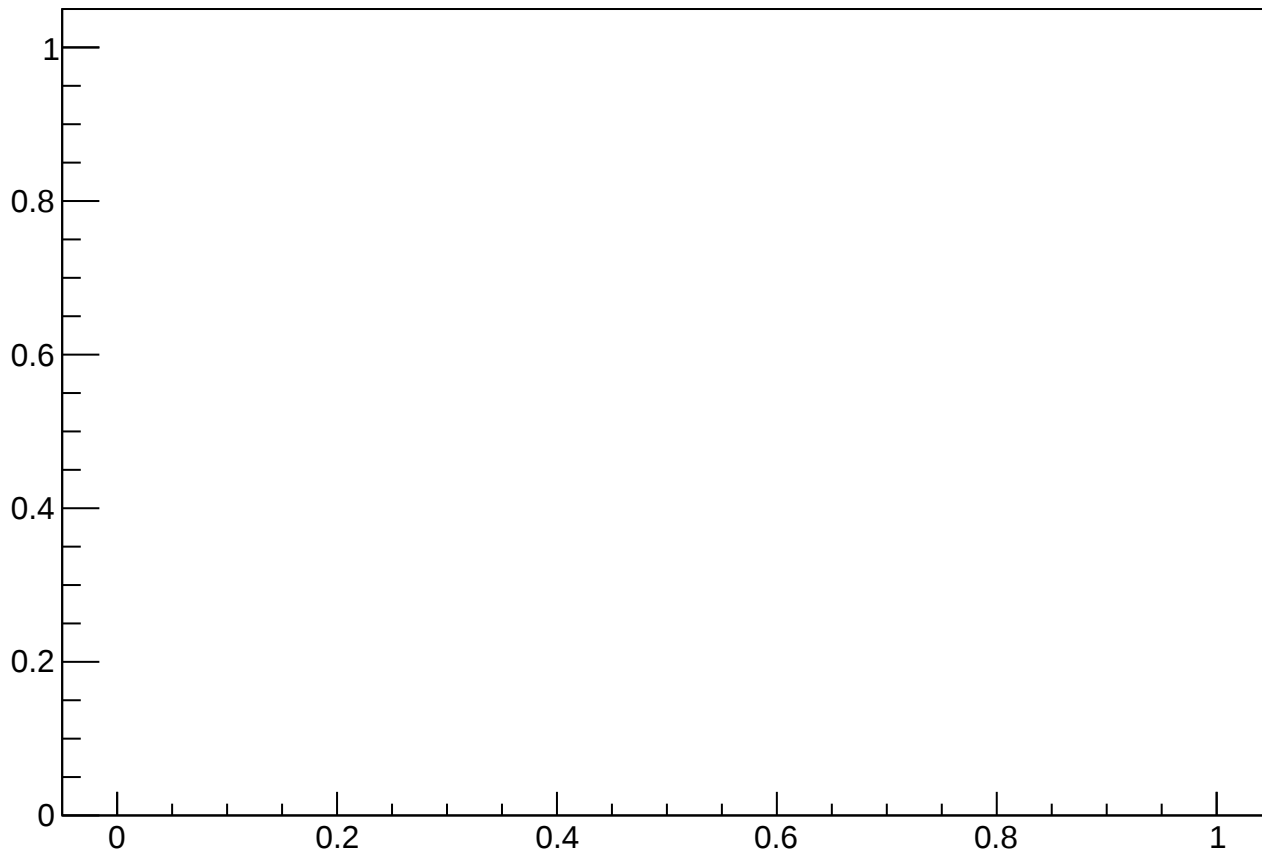
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

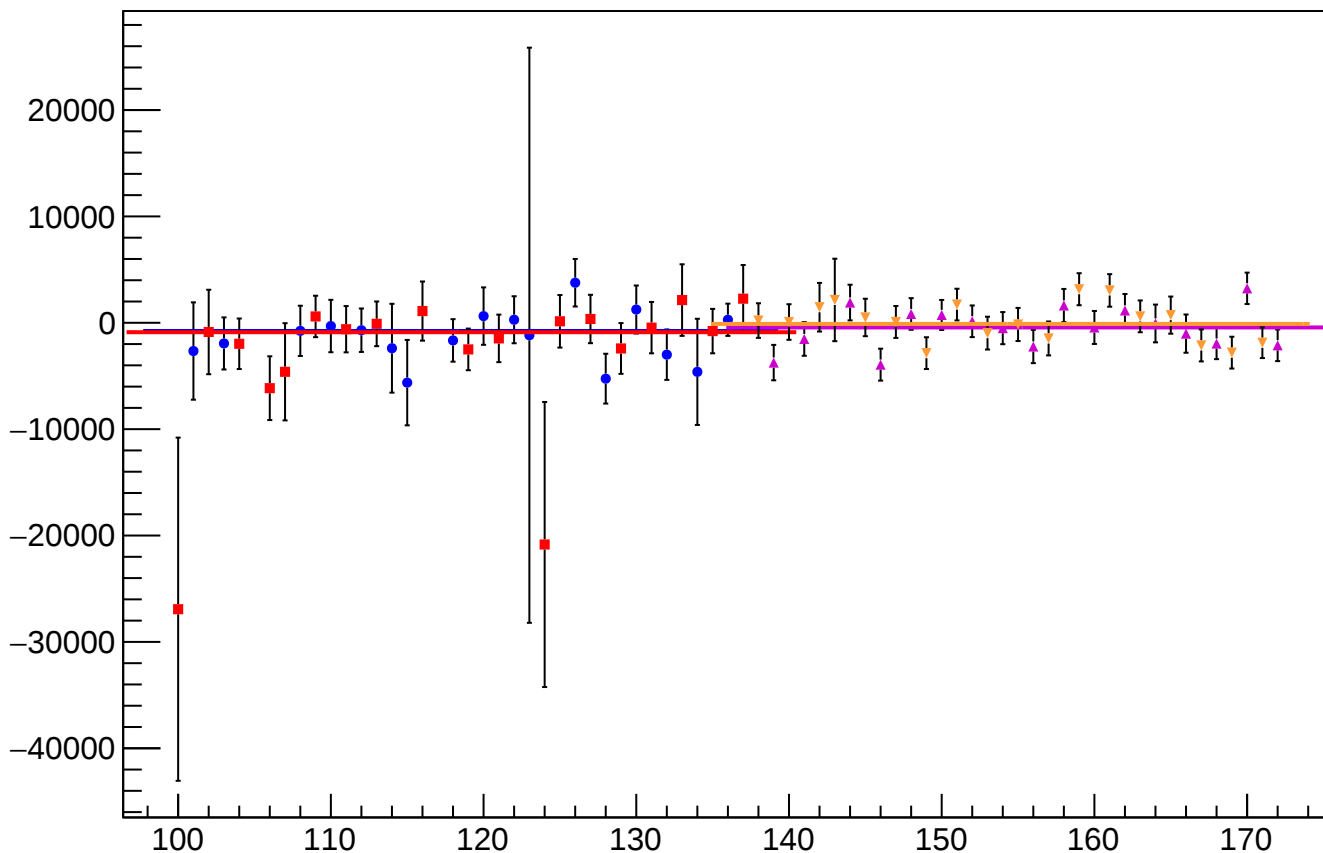
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_avg_atr_avg_dd_mean vs Slug, Sign Corrected



Right In: -771.153+/-603.689 χ^2/NDF : 13.3/16

Left Out: -105.514+/-380.700 χ^2/NDF :22.9/17

Right Out: -885.145+/-595.053 χ^2/NDF : 13.5/18

Left In: -438.779+/-376.286 χ^2/NDF :26.2/16

Left: -274.090+/-267.621 χ^2/NDF : 49.4/34

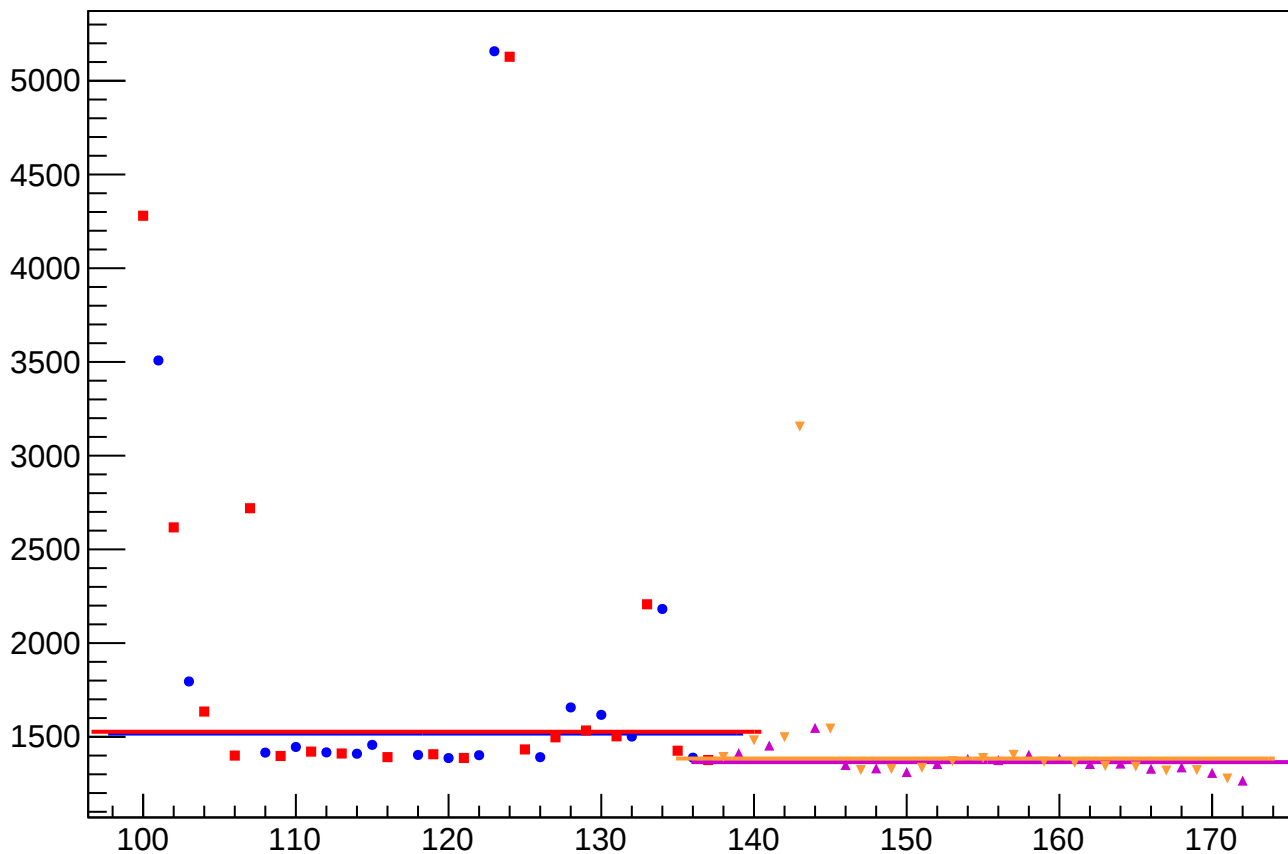
Right: -828.970+/-423.787 χ^2/NDF : 26.8/35

In: -531.779+/-319.332 χ^2/NDF :39.7/33

Out: -331.946+/-320.686 χ^2/NDF :37.6/36

All: -432.285+/-226.279 χ^2/NDF : 77.4/70

asym_atl_avg_atr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1517.334+/-0.427 χ^2/NDF : 536662.7/16

Left Out: 1384.206+/-0.269 χ^2/NDF : 475813.5/17

Right Out: 1527.005+/-0.421 χ^2/NDF : 631684.2/18

Left In: 1365.039+/-0.266 χ^2/NDF : 51118.4/16

Left: 1374.511+/-0.189 χ^2/NDF : 529496.0/34

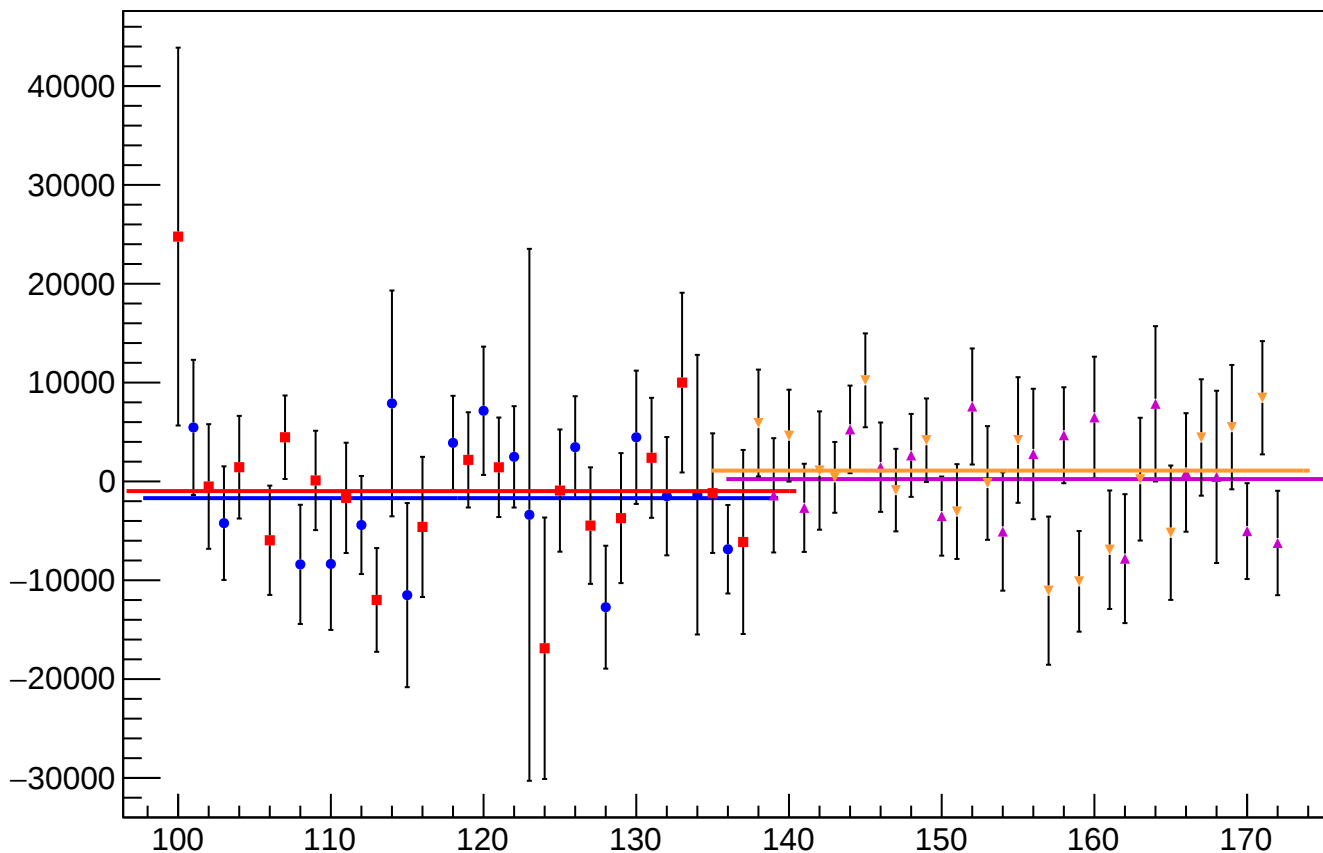
Right: 1522.239+/-0.300 χ^2/NDF : 1168607.3/35

In: 1407.653+/-0.226 χ^2/NDF : 679450.3/33

Out: 1425.680+/-0.227 χ^2/NDF : 1189225.1/36

All: 1416.628+/-0.160 χ^2/NDF : 1871848.8/70

reg_asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 1096.394 $\pm$ 1231.960 χ^2 /NDF: 19.5/17

Right Out: -977.899 $\pm$ 1378.874 χ^2 /NDF: 13.9/18

Left In: 236.596 $\pm$ 1283.326 χ^2 /NDF: 12.6/16

Left: 684.046 $\pm$ 888.732 χ^2 /NDF: 32.3/34

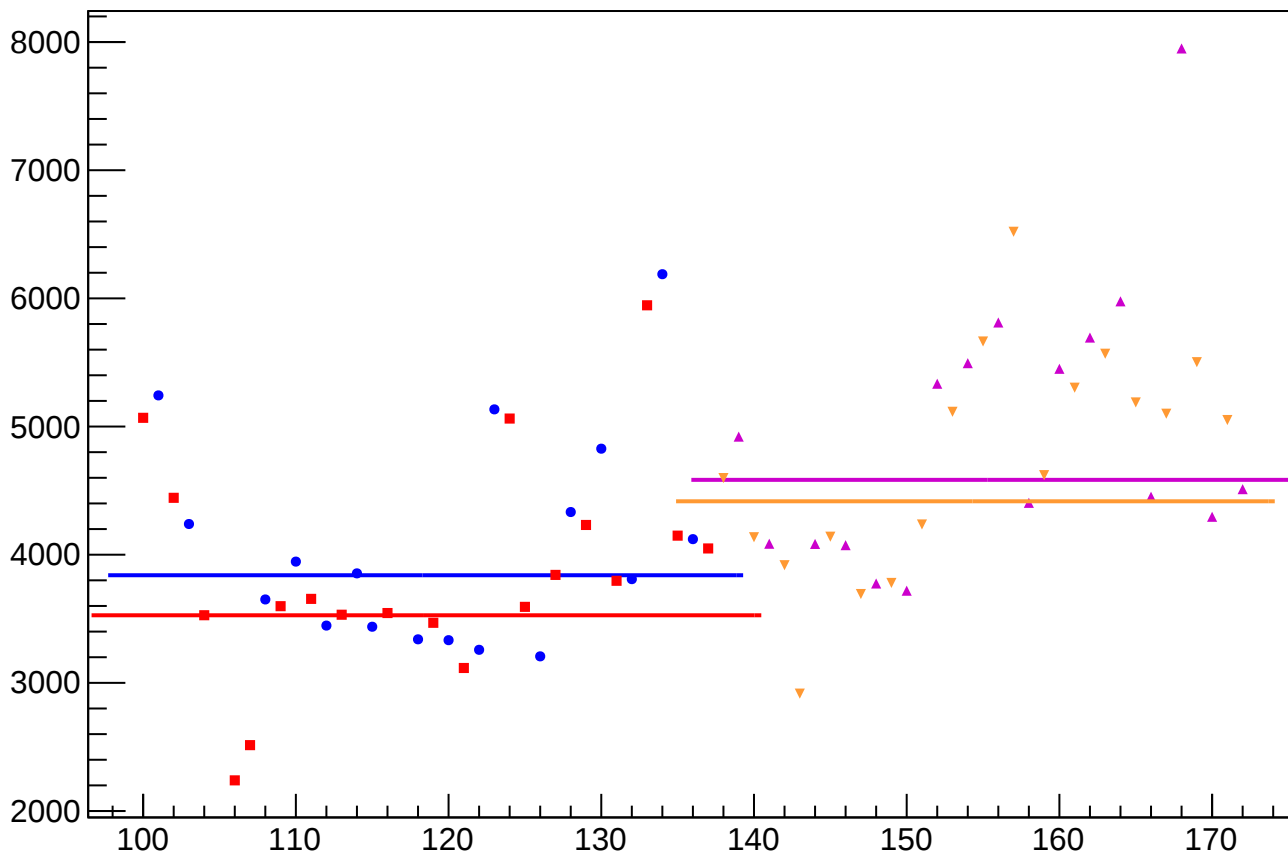
Right: -1302.190 $\pm$ 1019.117 χ^2 /NDF: 29.9/35

In: -570.653 $\pm$ 978.668 χ^2 /NDF: 29.4/33

Out: 175.601 $\pm$ 918.693 χ^2 /NDF: 34.7/36

All: -173.960 $\pm$ 669.814 χ^2 /NDF: 64.4/70

reg_asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751+/-1.070 χ^2/NDF : 325959.2/16

Left Out: 4416.736+/-0.871 χ^2/NDF : 1005824.2/17

Right Out: 3527.320+/-0.966 χ^2/NDF : 554785.4/18

Left In: 4584.020+/-0.907 χ^2/NDF : 868589.8/16

Left: 4496.963+/-0.628 χ^2/NDF : 1892099.3/34

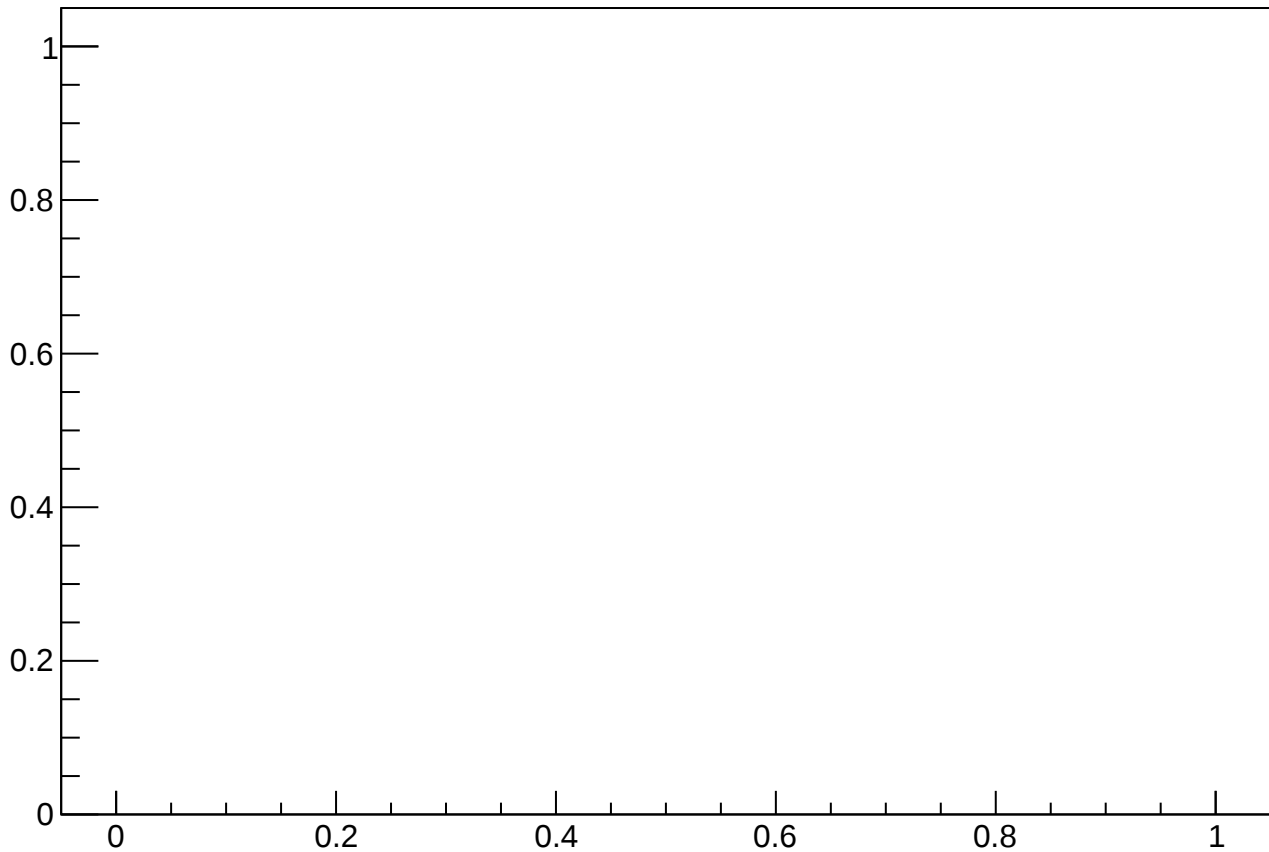
Right: 3667.674+/-0.717 χ^2/NDF : 927722.2/35

In: 4272.581+/-0.692 χ^2/NDF : 1476036.4/33

Out: 4017.905+/-0.647 χ^2/NDF : 2028055.5/36

All: 4136.686+/-0.473 χ^2/NDF : 3576362.2/70

asym_atl_dd_atr_dd_avg_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

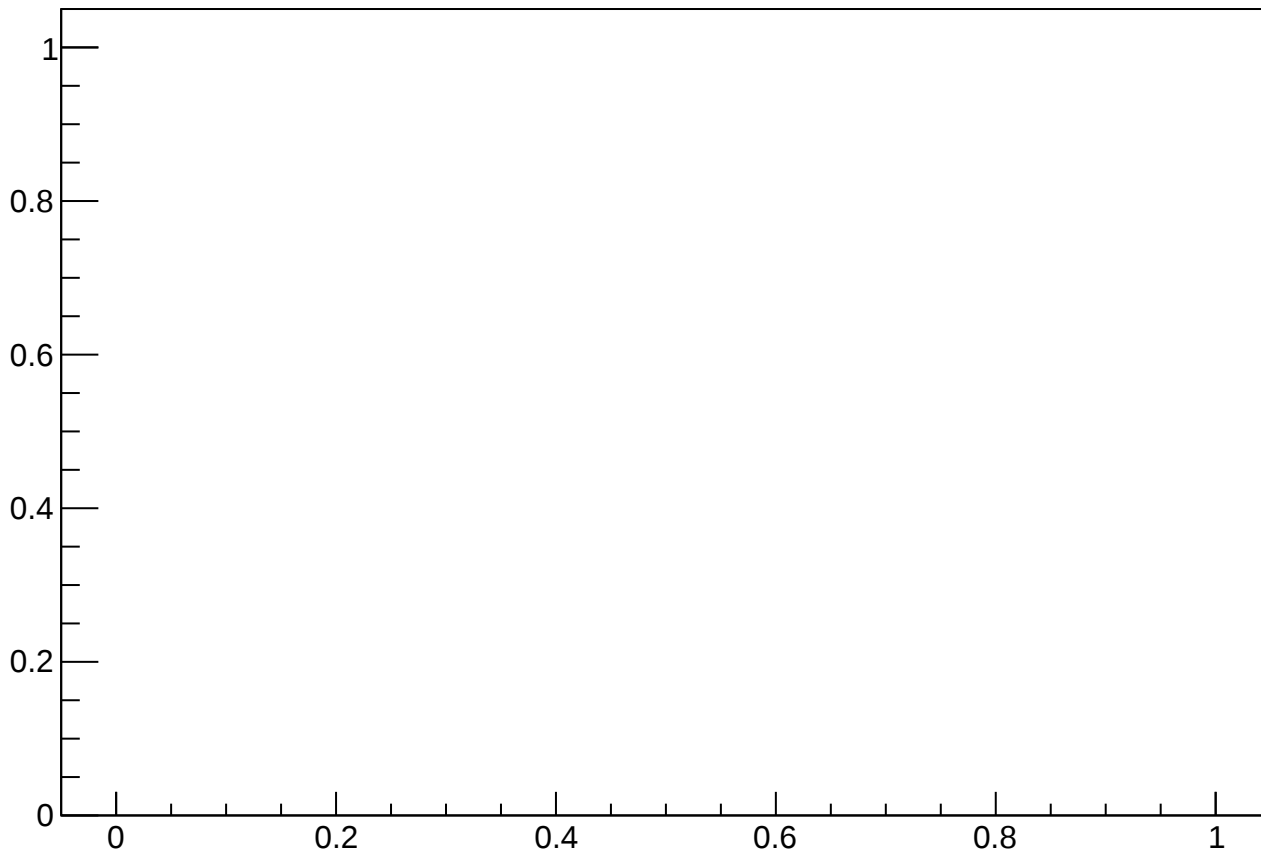
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

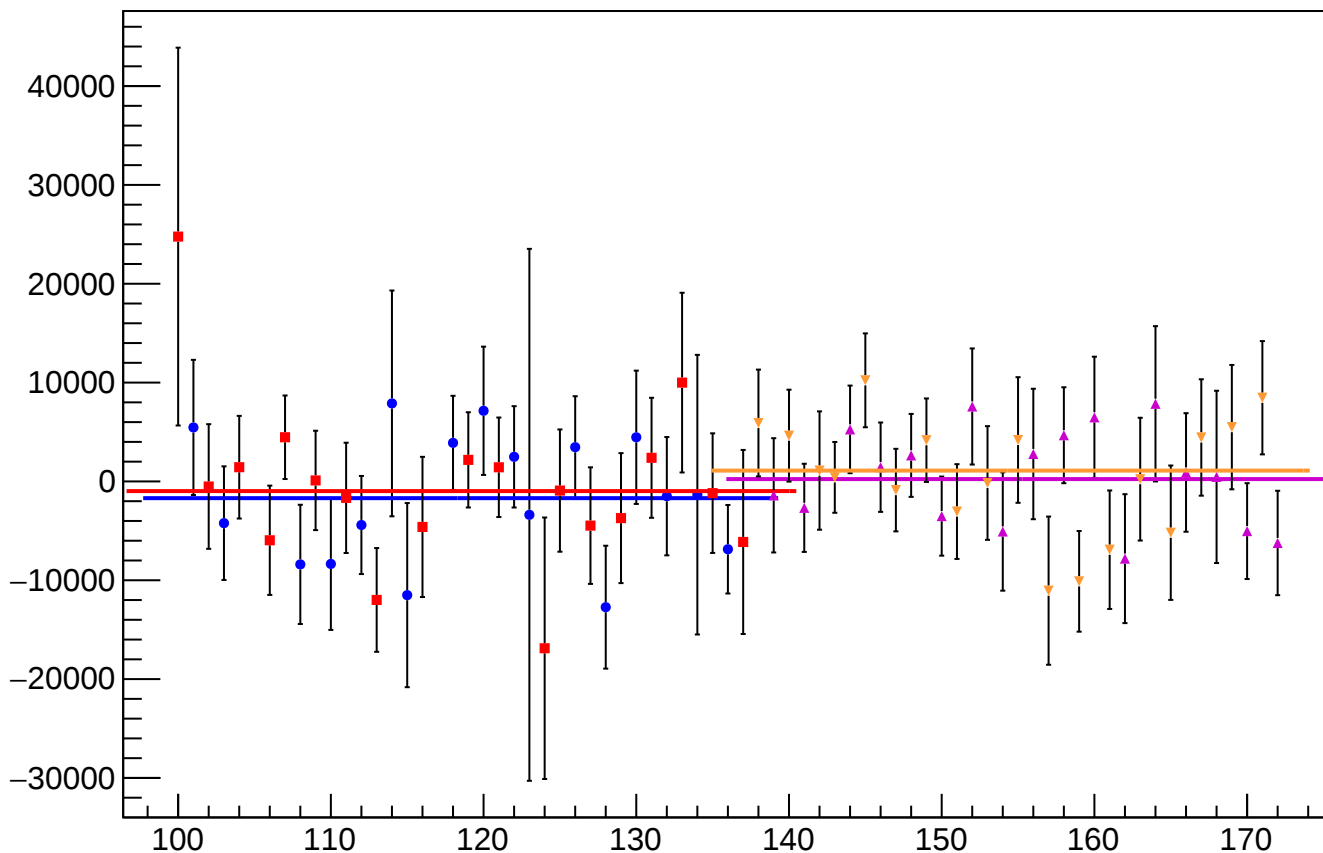
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs Slug, Sign Corrected



Right In: -1692.604 $\pm$ 1512.935 χ^2 /NDF: 15.8/16

Left Out: 1096.394 $\pm$ 1231.960 χ^2 /NDF: 19.5/17

Right Out: -977.899 $\pm$ 1378.874 χ^2 /NDF: 13.9/18

Left In: 236.596 $\pm$ 1283.326 χ^2 /NDF: 12.6/16

Left: 684.046 $\pm$ 888.732 χ^2 /NDF: 32.3/34

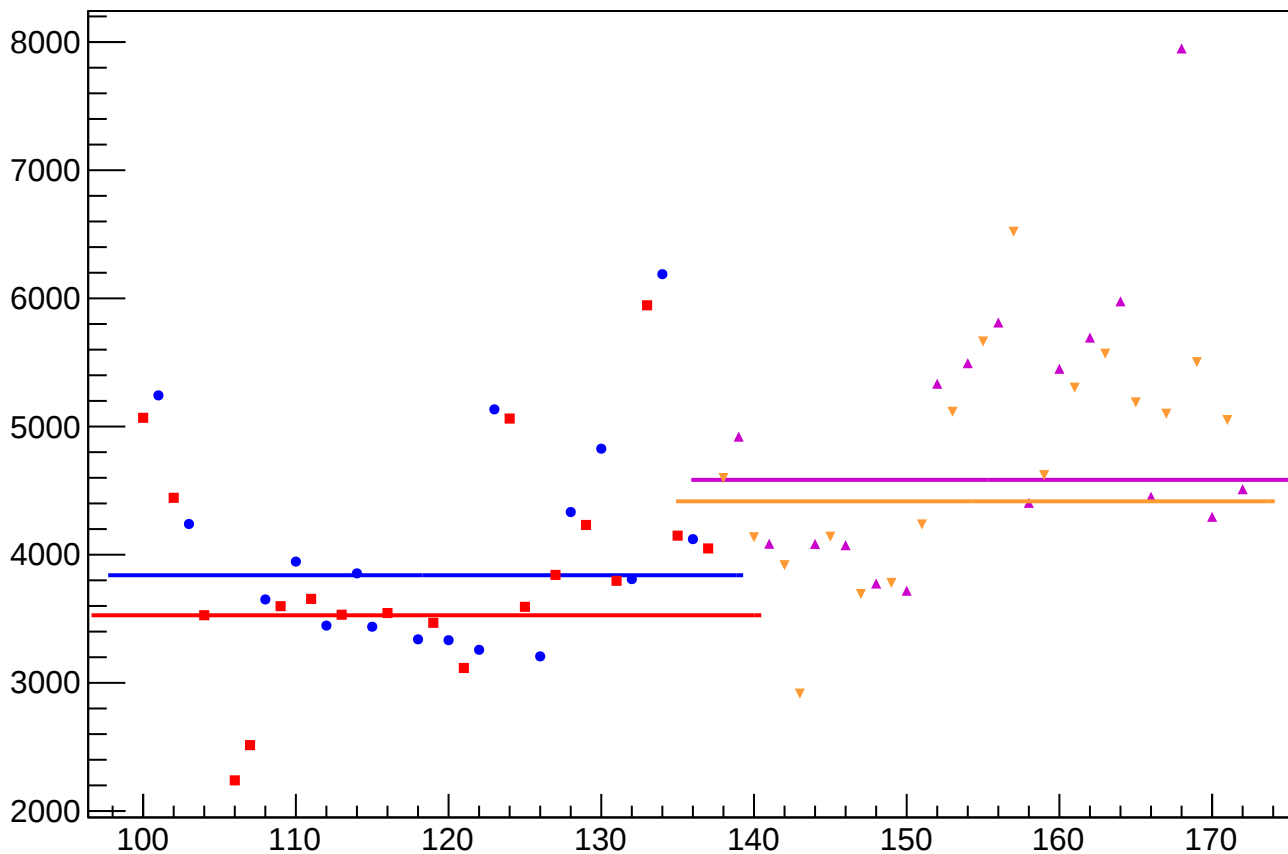
Right: -1302.190 $\pm$ 1019.117 χ^2 /NDF: 29.9/35

In: -570.653 $\pm$ 978.668 χ^2 /NDF: 29.4/33

Out: 175.601 $\pm$ 918.693 χ^2 /NDF: 34.7/36

All: -173.960 $\pm$ 669.814 χ^2 /NDF: 64.4/70

asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected



Right In: 3839.751 $\pm$ 1.070 χ^2/NDF : 325959.2/16

Left Out: 4416.736 $\pm$ 0.871 χ^2/NDF : 1005824.2/17

Right Out: 3527.320 $\pm$ 0.966 χ^2/NDF : 554785.4/18

Left In: 4584.020 $\pm$ 0.907 χ^2/NDF : 868589.8/16

Left: 4496.963 $\pm$ 0.628 χ^2/NDF : 1892099.3/34

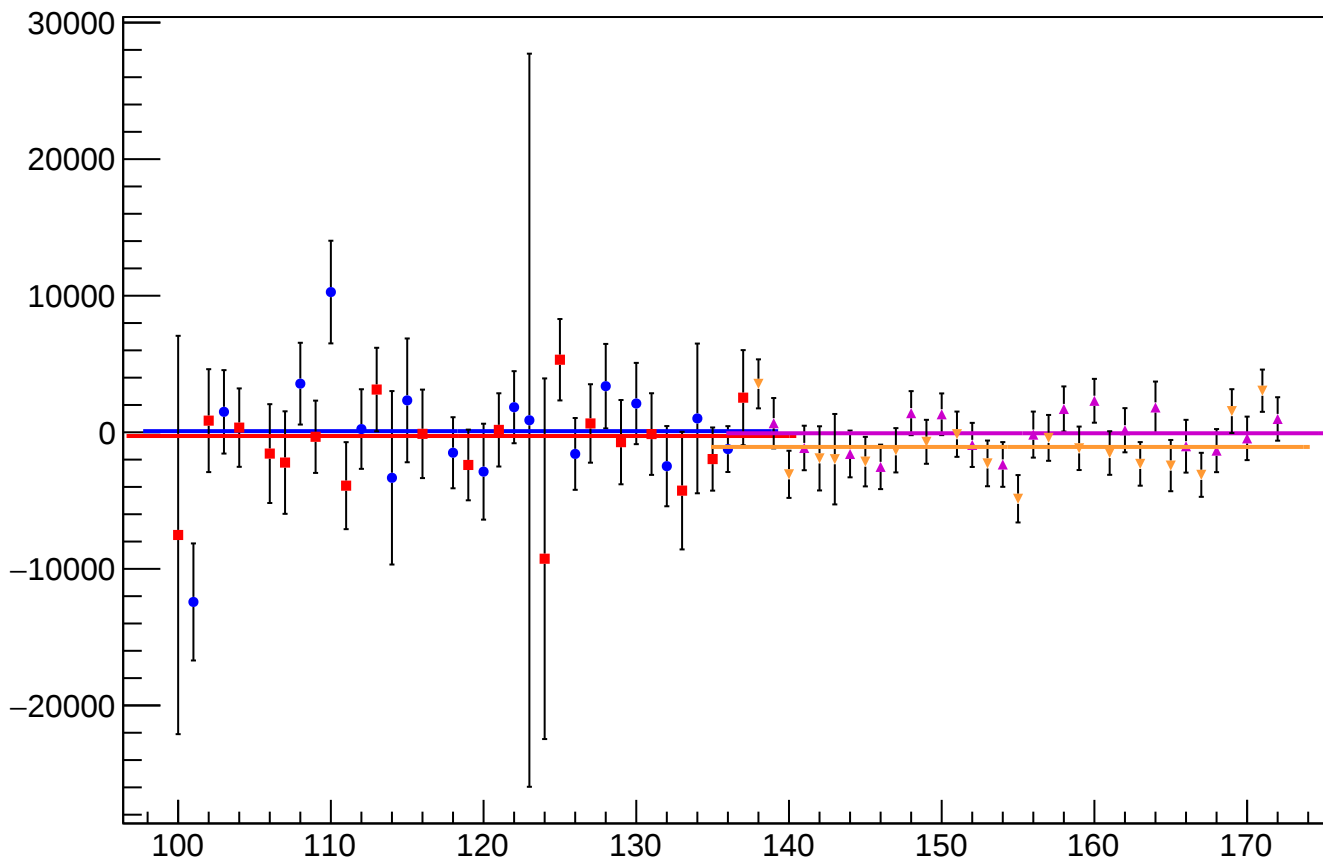
Right: 3667.674 $\pm$ 0.717 χ^2/NDF : 927722.2/35

In: 4272.581 $\pm$ 0.692 χ^2/NDF : 1476036.4/33

Out: 4017.905 $\pm$ 0.647 χ^2/NDF : 2028055.5/36

All: 4136.686 $\pm$ 0.473 χ^2/NDF : 3576362.2/70

reg_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: -1072.601+/-406.524 χ^2/NDF :26.9/17

Right Out: -272.707+/-734.115 χ^2/NDF : 10.2/18

Left In: -70.703+/-402.060 χ^2/NDF :13.3/16

Left: -566.121+/-285.864 χ^2/NDF : 43.3/34

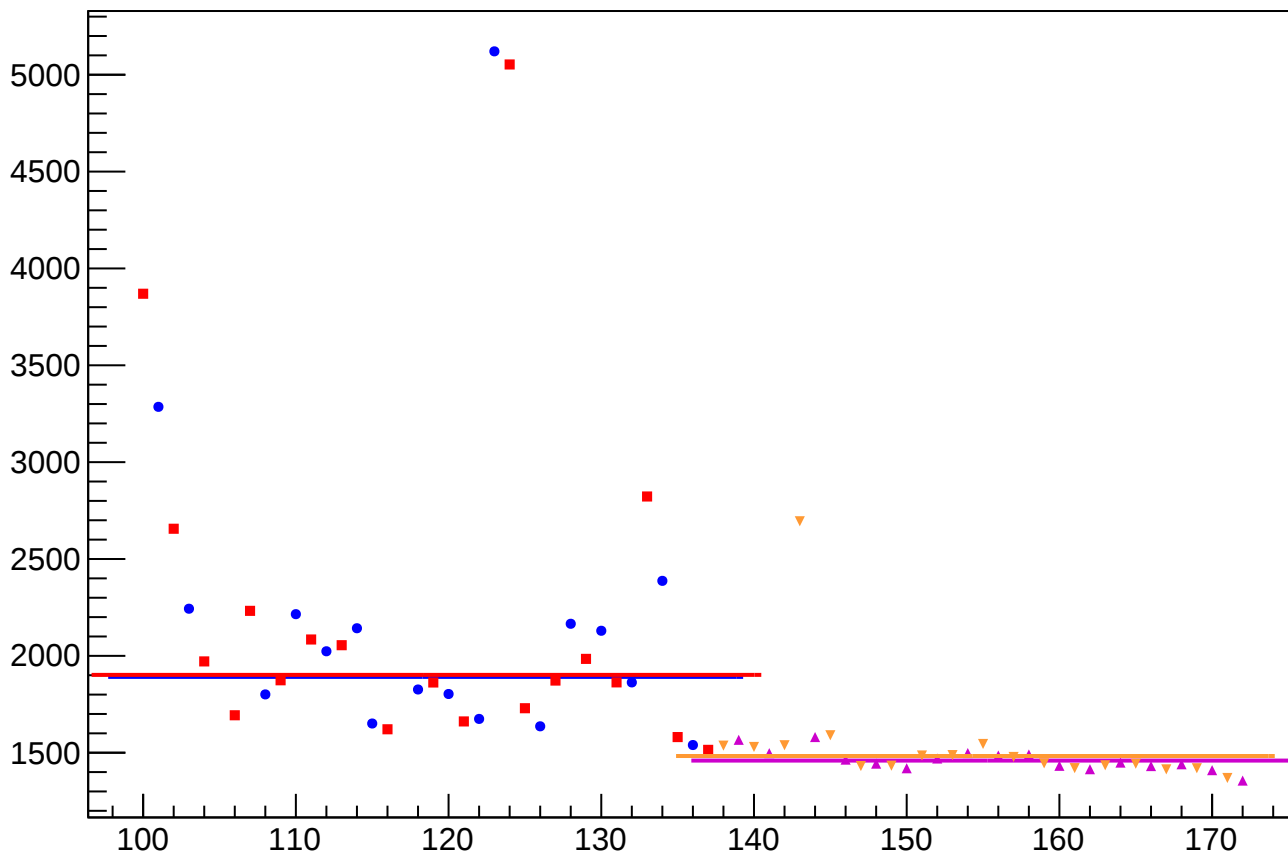
Right: -98.370+/-524.811 χ^2/NDF : 33.2/35

In: -36.239+/-354.412 χ^2/NDF :36.2/33

Out: -884.878+/-355.636 χ^2/NDF :38.0/36

All: -459.095+/-251.039 χ^2/NDF : 77.1/70

reg_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: 1482.963+/-0.287 χ^2/NDF : 310214.2/17

Right Out: 1901.797+/-0.519 χ^2/NDF : 460687.3/18

Left In: 1459.352+/-0.284 χ^2/NDF : 35171.4/16

Left: 1471.027+/-0.202 χ^2/NDF : 348796.0/34

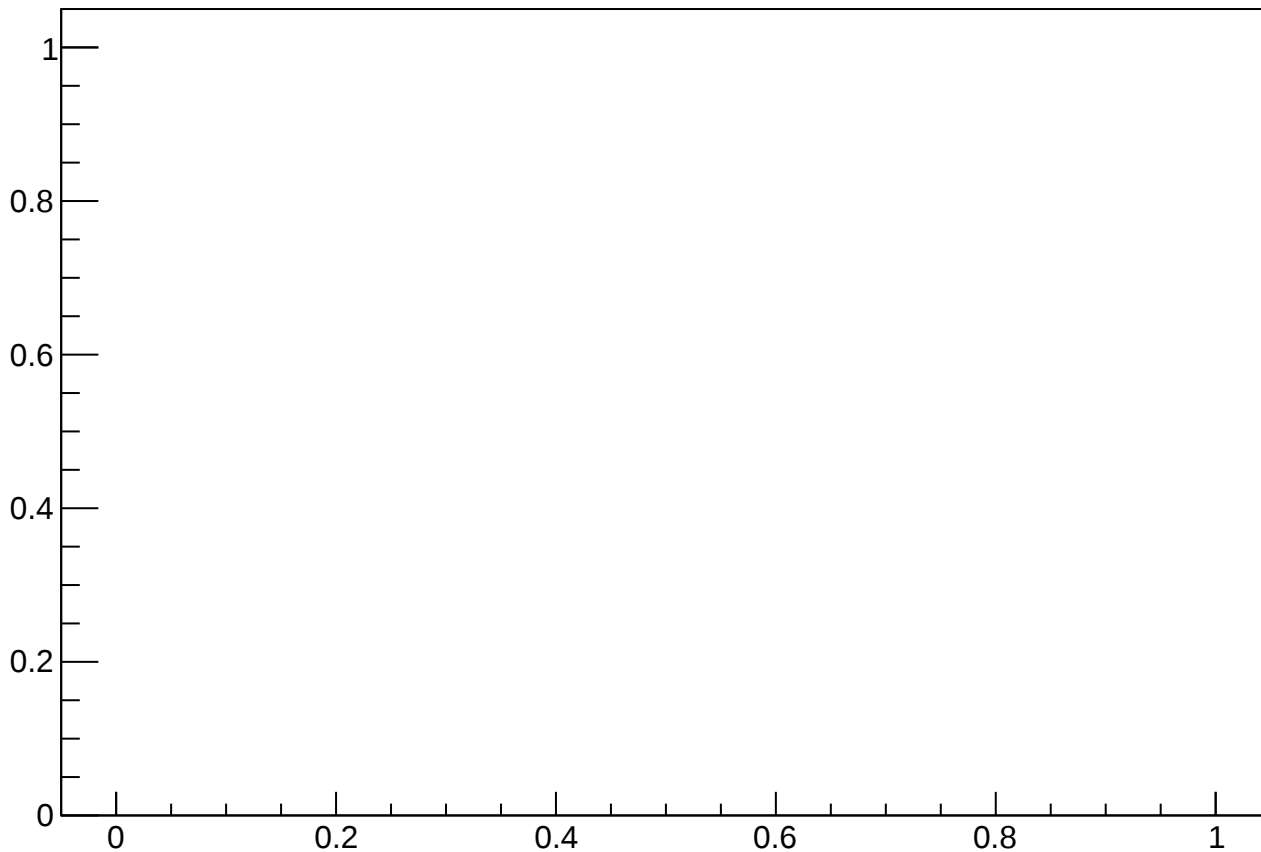
Right: 1896.759+/-0.371 χ^2/NDF : 925377.5/35

In: 1555.710+/-0.251 χ^2/NDF : 1014850.3/33

Out: 1581.259+/-0.251 χ^2/NDF : 1269140.4/36

All: 1568.440+/-0.178 χ^2/NDF : 2289169.5/70

asym_atl_dd_atr_dd_dd_correction_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

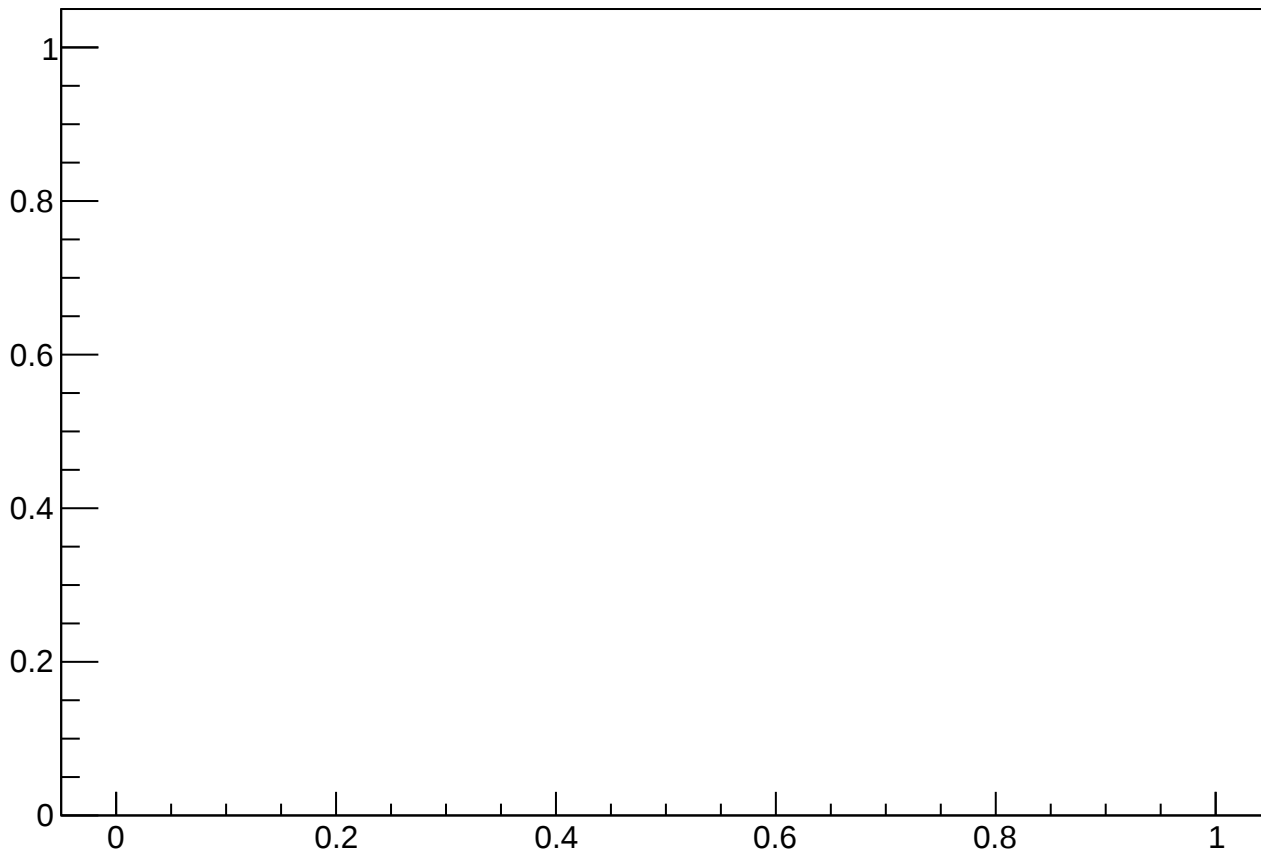
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_correction_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

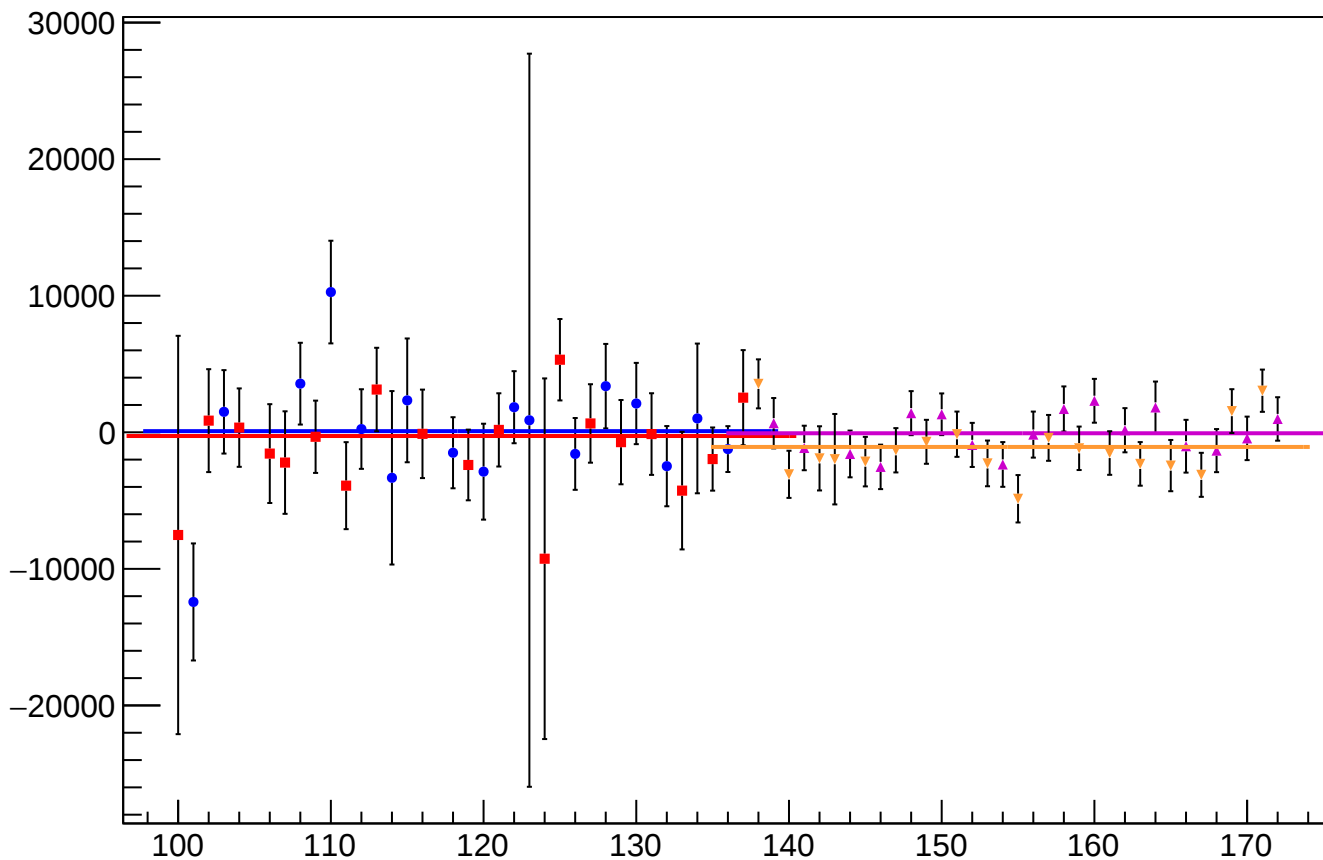
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs Slug, Sign Corrected



Right In: 83.860 $\pm$ 750.549 χ^2 /NDF: 22.9/16

Left Out: -1072.601 $\pm$ 406.524 χ^2 /NDF:26.9/17

Right Out: -272.707 $\pm$ 734.115 χ^2 /NDF: 10.2/18

Left In: -70.703 $\pm$ 402.060 χ^2 /NDF:13.3/16

Left: -566.121 $\pm$ 285.864 χ^2 /NDF: 43.3/34

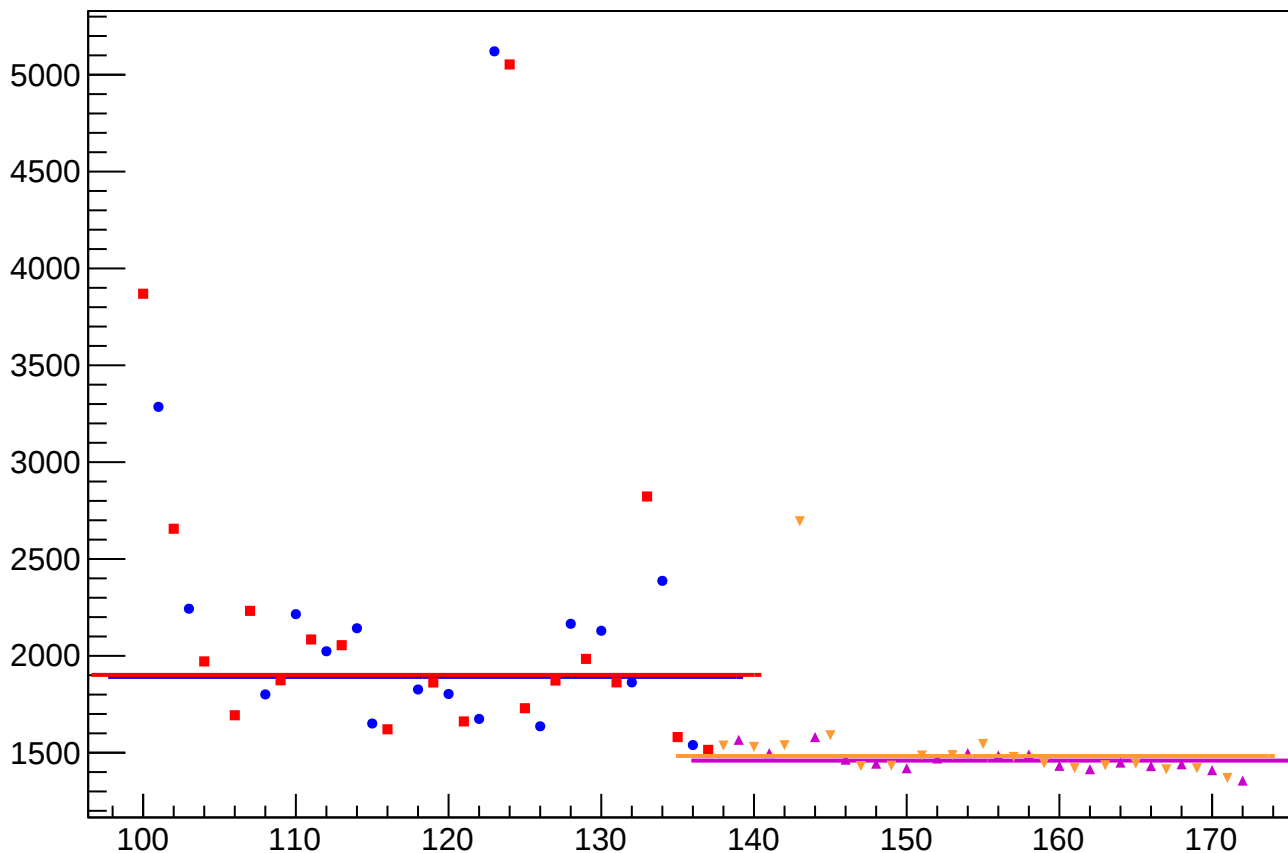
Right: -98.370 $\pm$ 524.811 χ^2 /NDF: 33.2/35

In: -36.239 $\pm$ 354.412 χ^2 /NDF:36.2/33

Out: -884.878 $\pm$ 355.636 χ^2 /NDF:38.0/36

All: -459.095 $\pm$ 251.039 χ^2 /NDF: 77.1/70

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1891.492 $\pm$ 0.531 χ^2 /NDF: 464497.5/16

Left Out: 1482.963 $\pm$ 0.287 χ^2 /NDF: 310214.2/17

Right Out: 1901.797 $\pm$ 0.519 χ^2 /NDF: 460687.3/18

Left In: 1459.352 $\pm$ 0.284 χ^2 /NDF: 35171.4/16

Left: 1471.027 $\pm$ 0.202 χ^2 /NDF: 348796.0/34

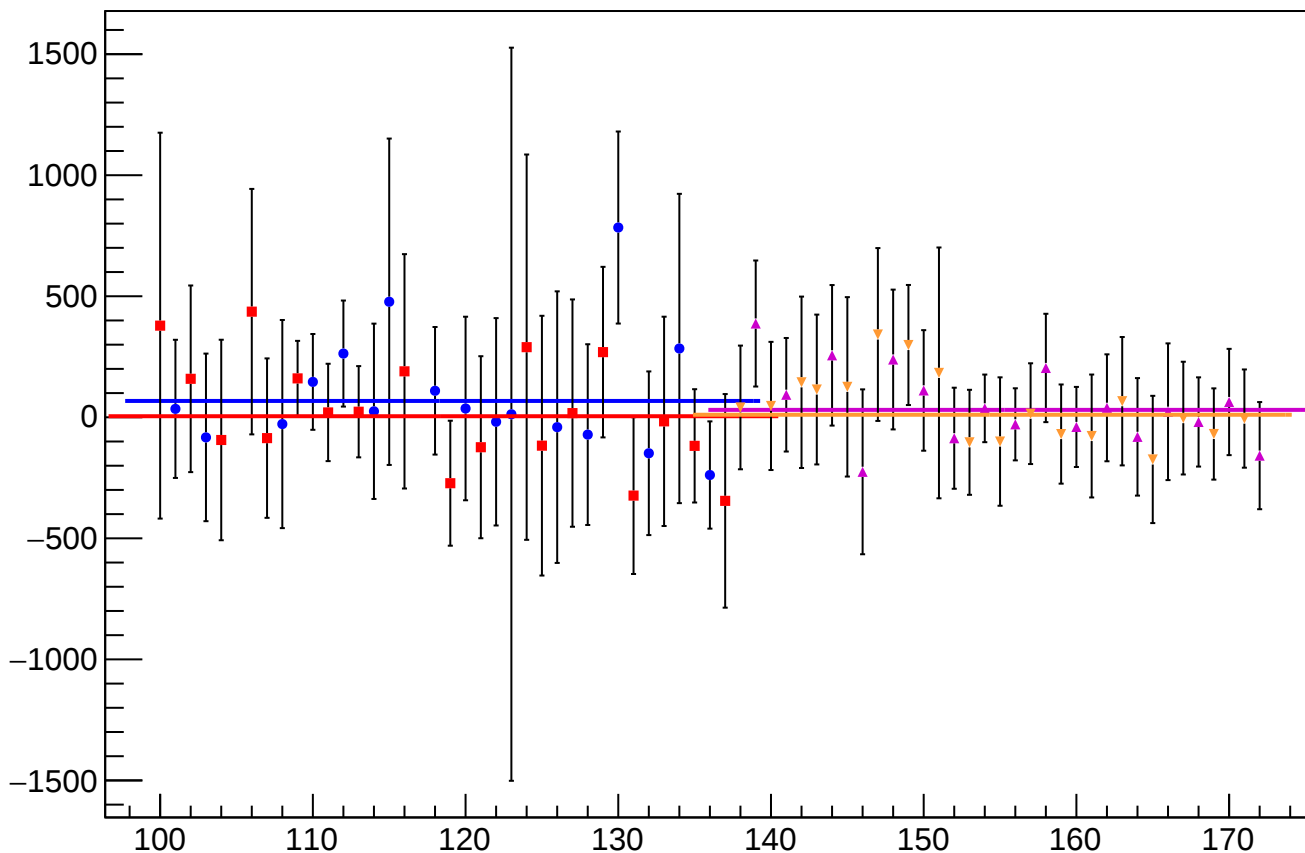
Right: 1896.759 $\pm$ 0.371 χ^2 /NDF: 925377.5/35

In: 1555.710 $\pm$ 0.251 χ^2 /NDF: 1014850.3/33

Out: 1581.259 $\pm$ 0.251 χ^2 /NDF: 1269140.4/36

All: 1568.440 $\pm$ 0.178 χ^2 /NDF: 2289169.5/70

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.542 $\pm$ 79.608 χ^2 /NDF: 7.5/16

Left Out: 10.508 $\pm$ 59.696 χ^2 /NDF:4.2/17

Right Out: 4.423 $\pm$ 70.009 χ^2 /NDF: 6.4/18

Left In: 30.674 $\pm$ 51.433 χ^2 /NDF:6.0/16

Left: 22.083 $\pm$ 38.965 χ^2 /NDF: 10.3/34

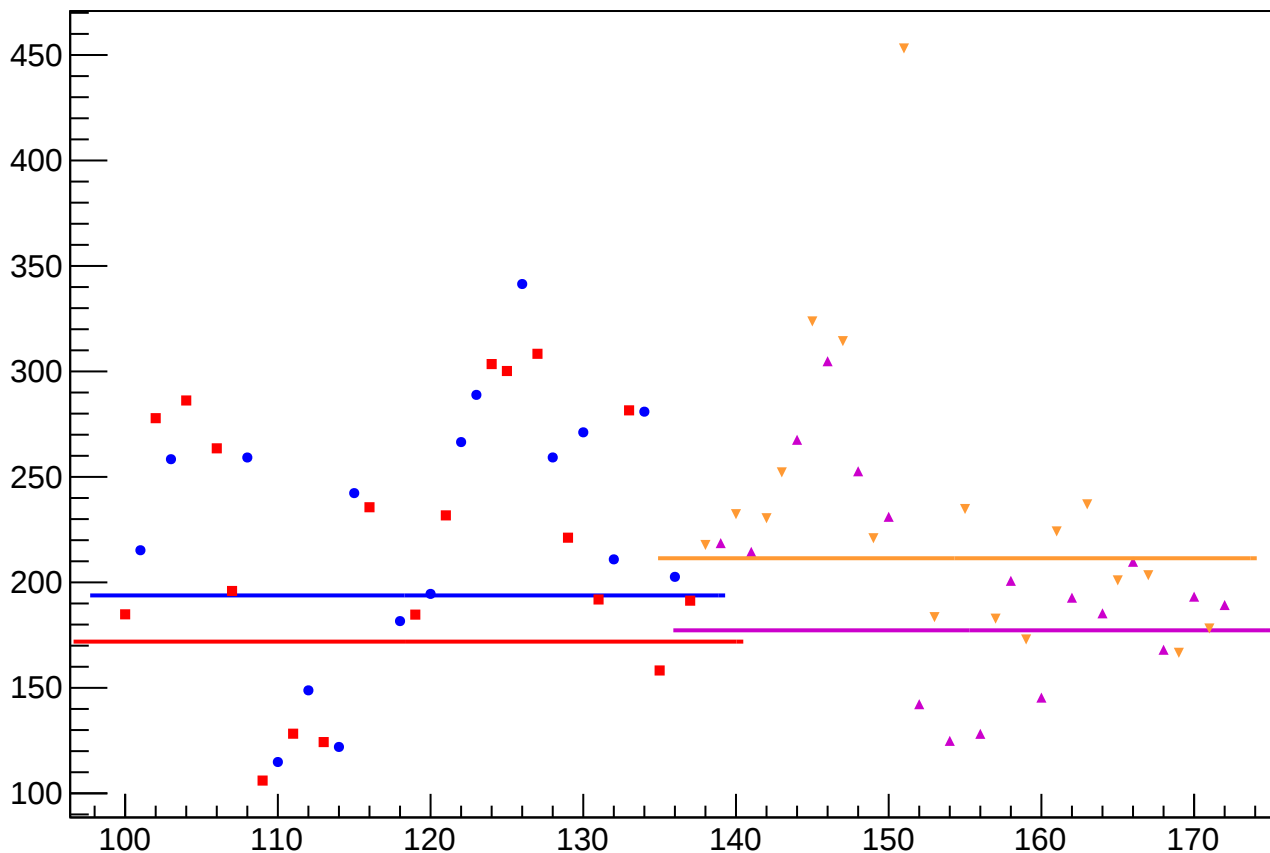
Right: 31.949 $\pm$ 52.572 χ^2 /NDF: 14.2/35

In: 41.531 $\pm$ 43.201 χ^2 /NDF:13.7/33

Out: 7.946 $\pm$ 45.425 χ^2 /NDF:10.5/36

All: 25.581 $\pm$ 31.304 χ^2 /NDF: 24.5/70

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 193.815 $\pm$ 0.056 χ^2 /NDF: 1010325.5/16

Left Out: 211.441 $\pm$ 0.042 χ^2 /NDF:1195215.9/17

Right Out: 171.920 $\pm$ 0.050 χ^2 /NDF: 1577076.0/18

Left In: 177.272 $\pm$ 0.036 χ^2 /NDF:1516080.9/16

Left: 191.830 $\pm$ 0.028 χ^2 /NDF: 3087355.6/34

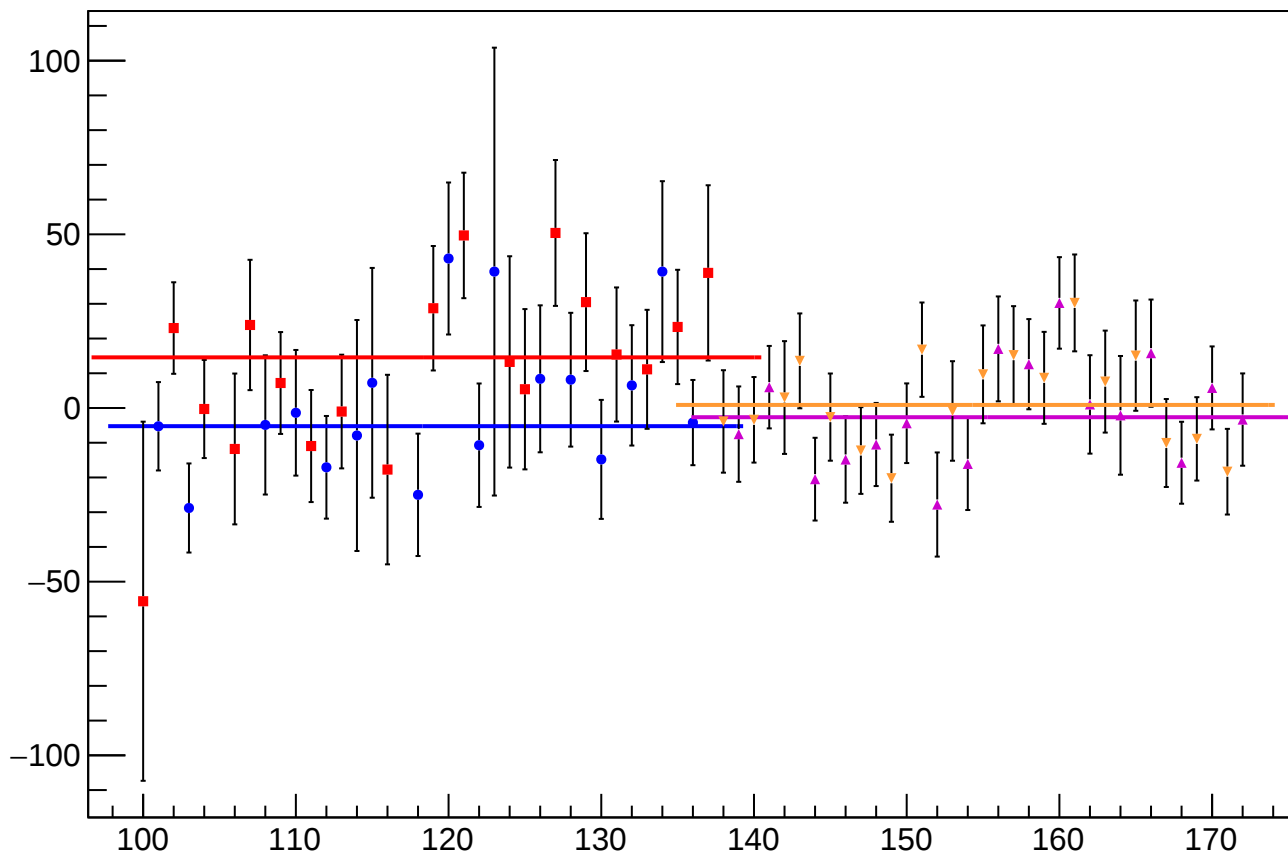
Right: 181.469 $\pm$ 0.037 χ^2 /NDF: 2672713.5/35

In: 182.144 $\pm$ 0.031 χ^2 /NDF:2587338.3/33

Out: 194.803 $\pm$ 0.032 χ^2 /NDF:3141312.5/36

All: 188.156 $\pm$ 0.022 χ^2 /NDF: 5810206.9/70

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.231 ± 4.356 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 0.885 ± 3.178 $\chi^2/\text{NDF}: 17.6/17$

Right Out: 14.579 ± 4.265 $\chi^2/\text{NDF}: 19.5/18$

Left In: -2.652 ± 3.176 $\chi^2/\text{NDF}: 20.7/16$

Left: -0.885 ± 2.246 $\chi^2/\text{NDF}: 38.9/34$

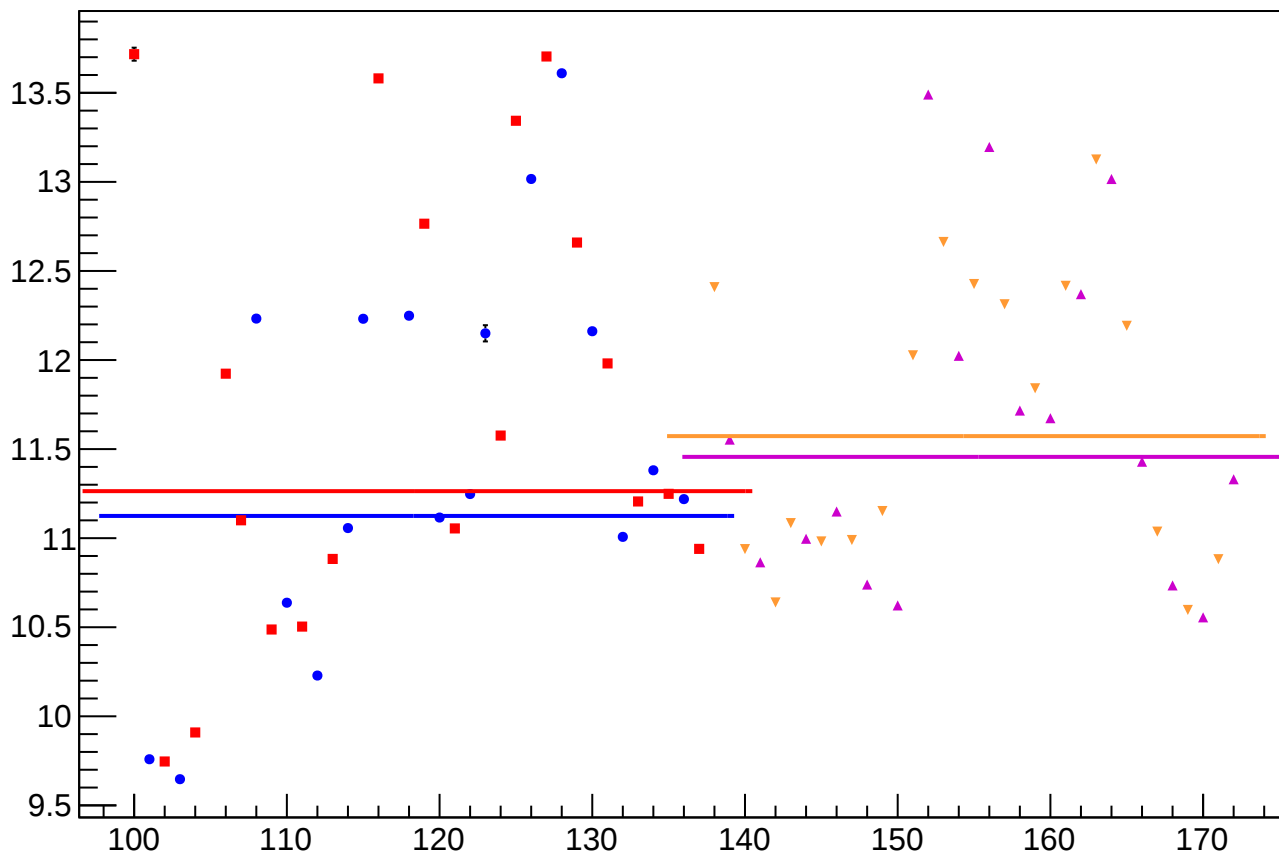
Right: 4.883 ± 3.047 $\chi^2/\text{NDF}: 45.6/35$

In: -3.547 ± 2.566 $\chi^2/\text{NDF}: 36.4/33$

Out: 5.773 ± 2.548 $\chi^2/\text{NDF}: 43.7/36$

All: 1.146 ± 1.808 $\chi^2/\text{NDF}: 86.8/70$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 11.125 $\pm$ 0.003 χ^2 /NDF: 132520.1/16

Left Out: 11.573 $\pm$ 0.002 χ^2 /NDF: 115263.4/17

Right Out: 11.264 $\pm$ 0.003 χ^2 /NDF: 147733.2/18

Left In: 11.456 $\pm$ 0.002 χ^2 /NDF: 139386.8/16

Left: 11.515 $\pm$ 0.002 χ^2 /NDF: 255995.2/34

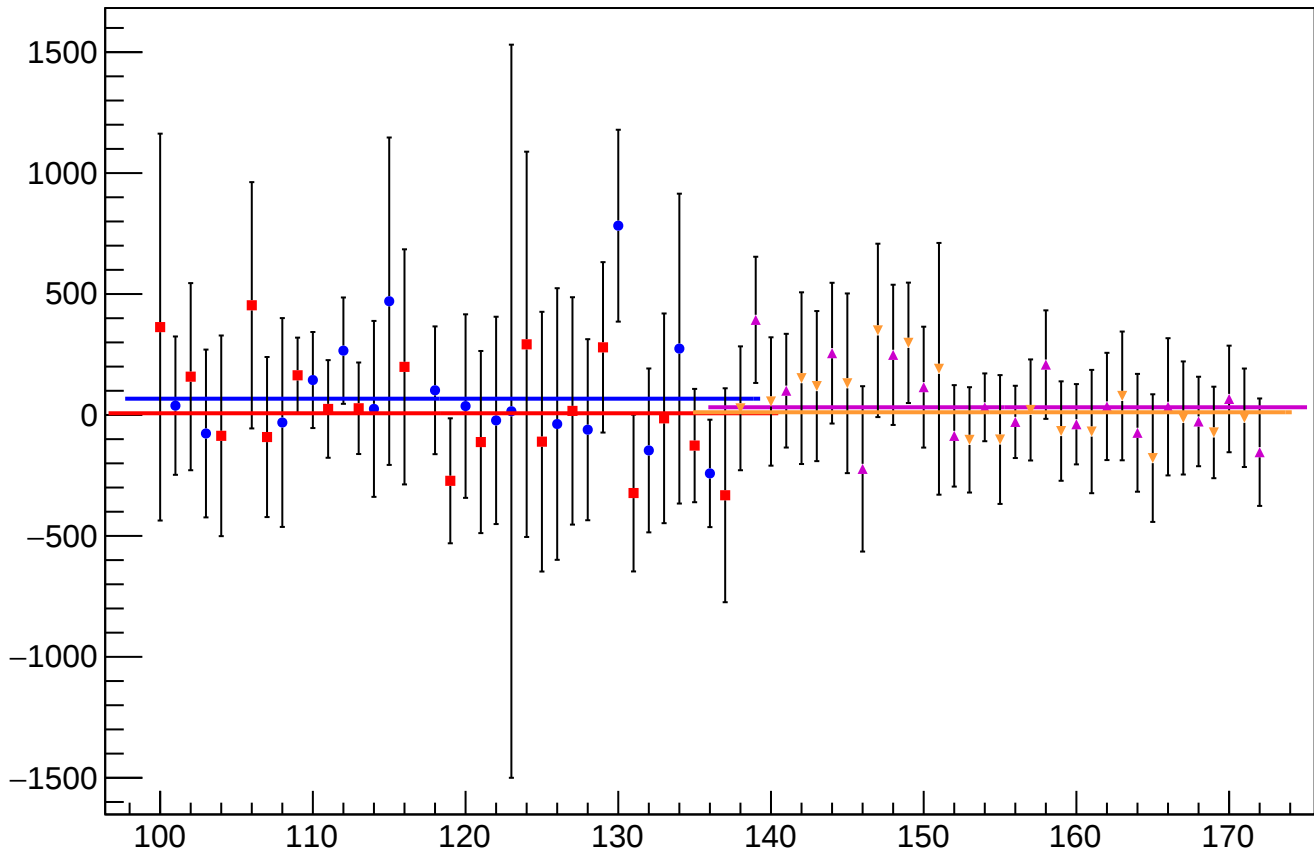
Right: 11.196 $\pm$ 0.002 χ^2 /NDF: 281295.0/35

In: 11.341 $\pm$ 0.002 χ^2 /NDF: 279472.1/33

Out: 11.463 $\pm$ 0.002 χ^2 /NDF: 269743.5/36

All: 11.402 $\pm$ 0.001 χ^2 /NDF: 551465.6/70

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: 67.305 $\pm$ 79.817 χ^2 /NDF: 7.5/16

Left Out: 11.210 $\pm$ 59.905 χ^2 /NDF:4.3/17

Right Out: 7.039 $\pm$ 70.212 χ^2 /NDF: 6.4/18

Left In: 31.902 $\pm$ 51.611 χ^2 /NDF:6.1/16

Left: 23.087 $\pm$ 39.101 χ^2 /NDF: 10.4/34

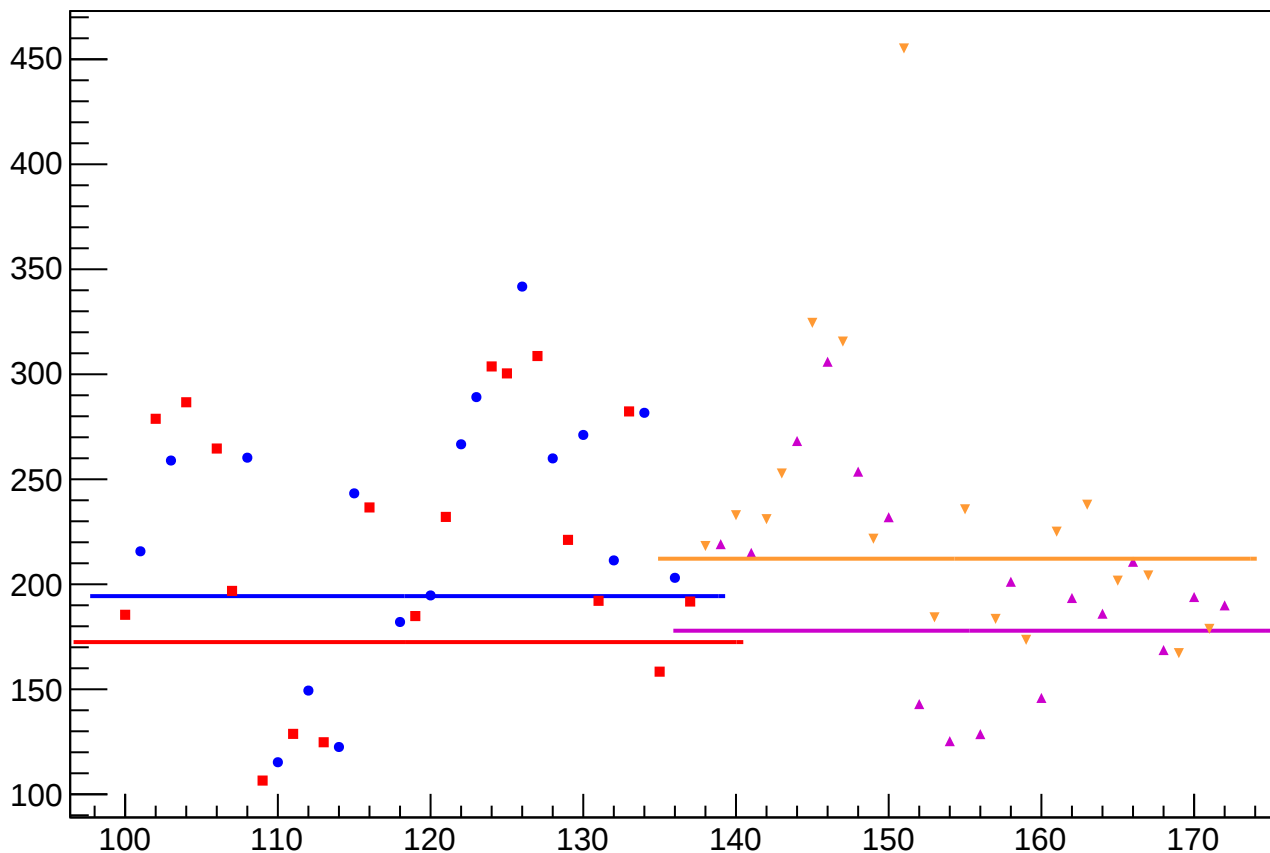
Right: 33.329 $\pm$ 52.718 χ^2 /NDF: 14.2/35

In: 42.340 $\pm$ 43.340 χ^2 /NDF:13.7/33

Out: 9.452 $\pm$ 45.572 χ^2 /NDF:10.7/36

All: 26.722 $\pm$ 31.405 χ^2 /NDF: 24.7/70

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: 212.182+/-0.042 χ^2/NDF :1194300.9/17

Right Out: 172.471+/-0.050 χ^2/NDF : 1569648.4/18

Left In: 177.891+/-0.036 χ^2/NDF :1514200.2/16

Left: 192.500+/-0.028 χ^2/NDF : 3084653.0/34

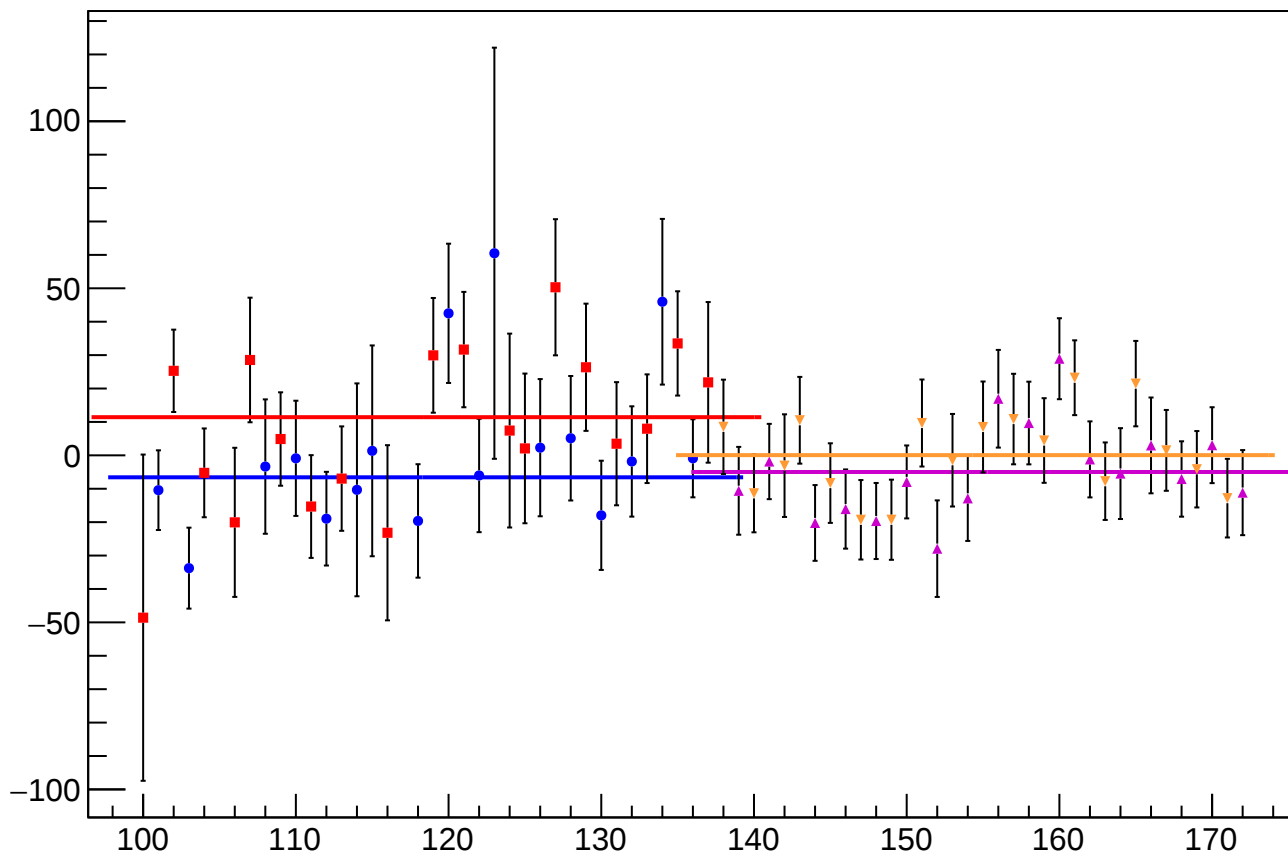
Right: 182.022+/-0.037 χ^2/NDF : 2659717.0/35

In: 182.748+/-0.031 χ^2/NDF :2579515.6/33

Out: 195.453+/-0.032 χ^2/NDF :3134198.9/36

All: 188.782+/-0.022 χ^2/NDF : 5795336.4/70

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.575 ± 4.157 $\chi^2/\text{NDF}: 19.3/16$

Left Out: 0.059 ± 2.949 $\chi^2/\text{NDF}: 18.3/17$

Right Out: 11.423 ± 4.080 $\chi^2/\text{NDF}: 23.0/18$

Left In: -4.986 ± 2.970 $\chi^2/\text{NDF}: 20.3/16$

Left: -2.445 ± 2.092 $\chi^2/\text{NDF}: 40.0/34$

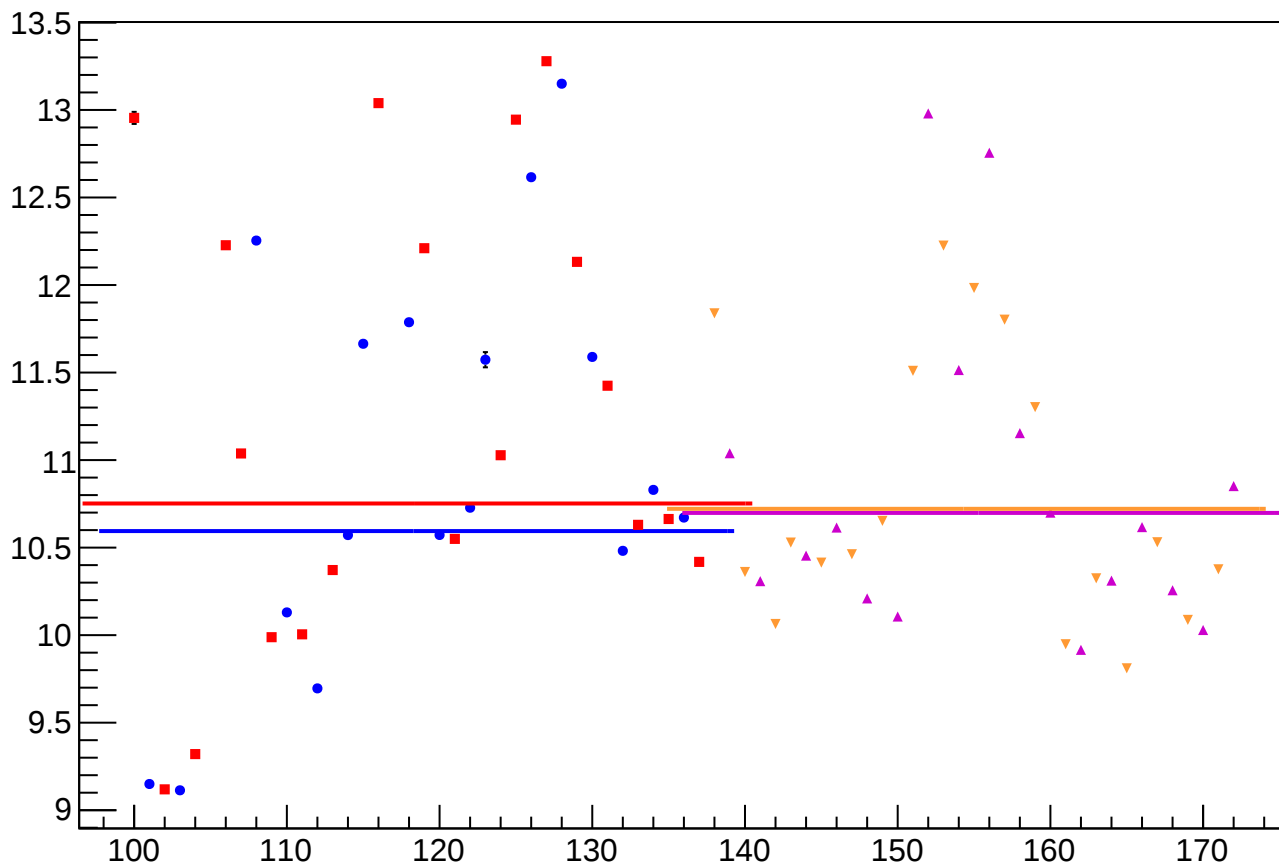
Right: 2.593 ± 2.912 $\chi^2/\text{NDF}: 51.8/35$

In: -5.523 ± 2.416 $\chi^2/\text{NDF}: 39.7/33$

Out: 3.959 ± 2.390 $\chi^2/\text{NDF}: 46.4/36$

All: -0.730 ± 1.699 $\chi^2/\text{NDF}: 93.8/70$

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.594 $\pm$ 0.003 χ^2 /NDF: 160059.2/16

Left Out: 10.722 $\pm$ 0.002 χ^2 /NDF: 116307.1/17

Right Out: 10.752 $\pm$ 0.003 χ^2 /NDF: 177173.0/18

Left In: 10.698 $\pm$ 0.002 χ^2 /NDF: 136094.7/16

Left: 10.710 $\pm$ 0.001 χ^2 /NDF: 252464.3/34

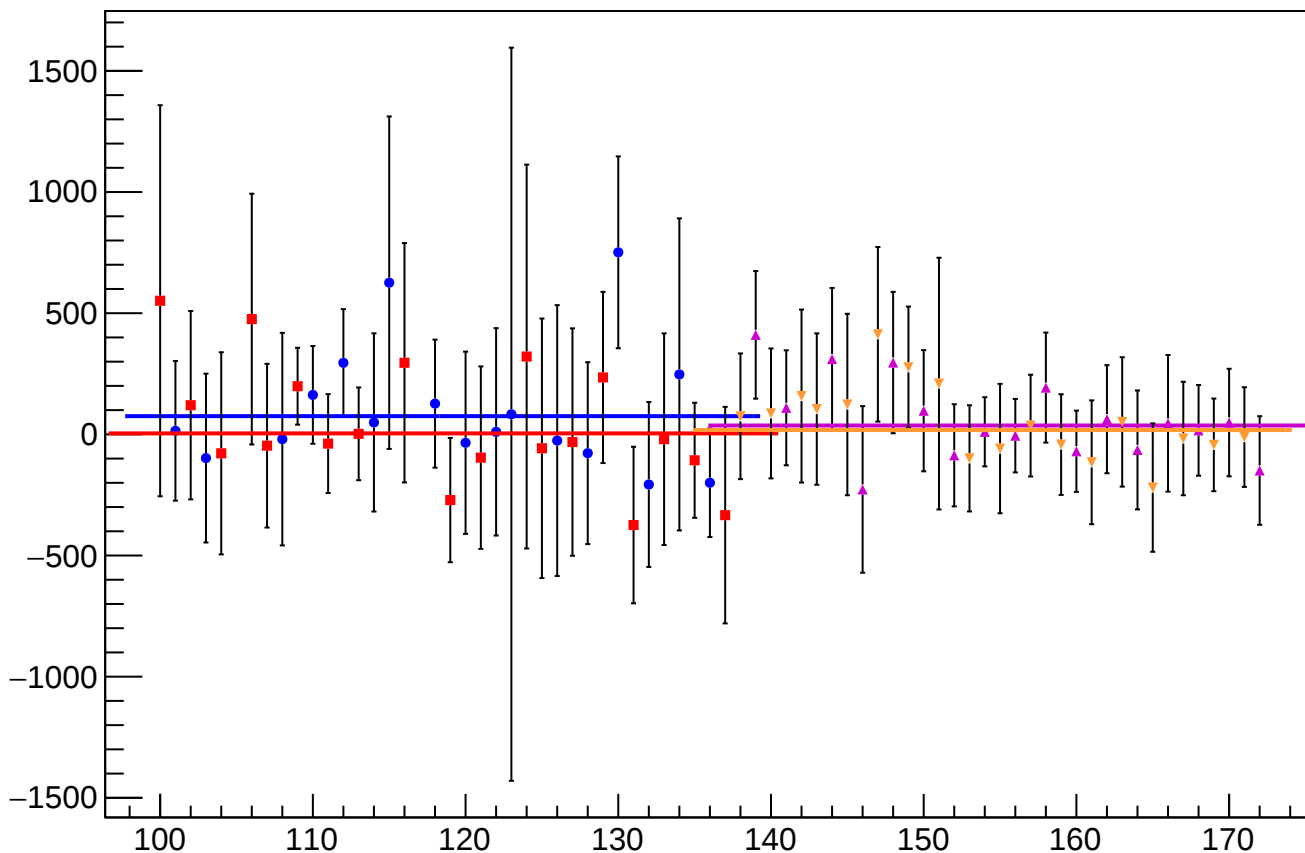
Right: 10.675 $\pm$ 0.002 χ^2 /NDF: 338695.4/35

In: 10.663 $\pm$ 0.002 χ^2 /NDF: 296978.3/33

Out: 10.732 $\pm$ 0.002 χ^2 /NDF: 293553.2/36

All: 10.698 $\pm$ 0.001 χ^2 /NDF: 591353.0/70

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 75.086 $\pm$ 80.352 χ^2 /NDF: 7.7/16

Left Out: 17.779 $\pm$ 60.317 χ^2 /NDF:4.5/17

Right Out: 3.999 $\pm$ 70.883 χ^2 /NDF: 7.3/18

Left In: 36.523 $\pm$ 52.120 χ^2 /NDF:6.6/16

Left: 28.510 $\pm$ 39.437 χ^2 /NDF: 11.2/34

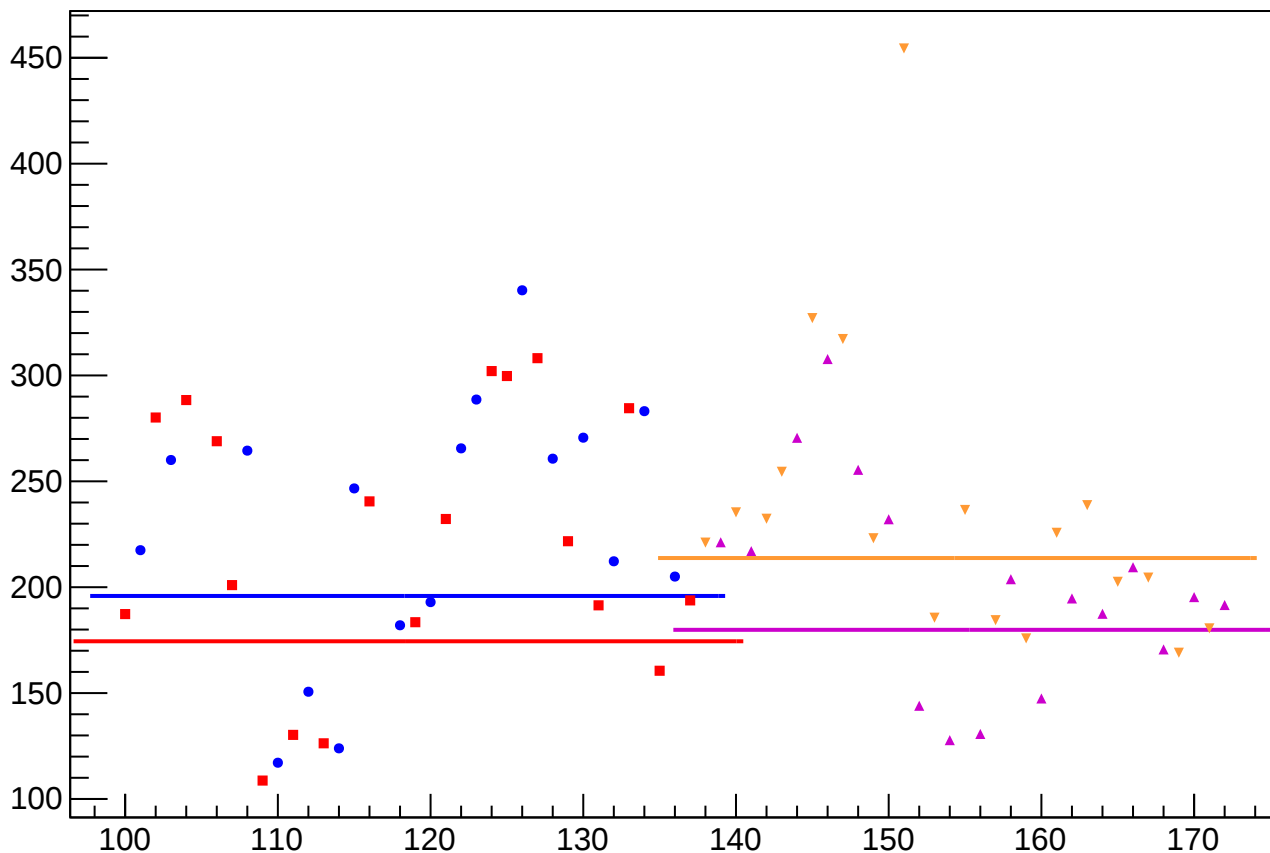
Right: 35.109 $\pm$ 53.156 χ^2 /NDF: 15.5/35

In: 47.943 $\pm$ 43.727 χ^2 /NDF:14.5/33

Out: 11.991 $\pm$ 45.937 χ^2 /NDF:11.9/36

All: 30.853 $\pm$ 31.672 χ^2 /NDF: 26.7/70

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 195.869 $\pm$ 0.057 χ^2 /NDF: 979247.4/16

Left Out: 213.779 $\pm$ 0.043 χ^2 /NDF:1177402.3/17

Right Out: 174.465 $\pm$ 0.050 χ^2 /NDF: 1528778.5/18

Left In: 179.875 $\pm$ 0.037 χ^2 /NDF:1471722.9/16

Left: 194.369 $\pm$ 0.028 χ^2 /NDF: 3010900.7/34

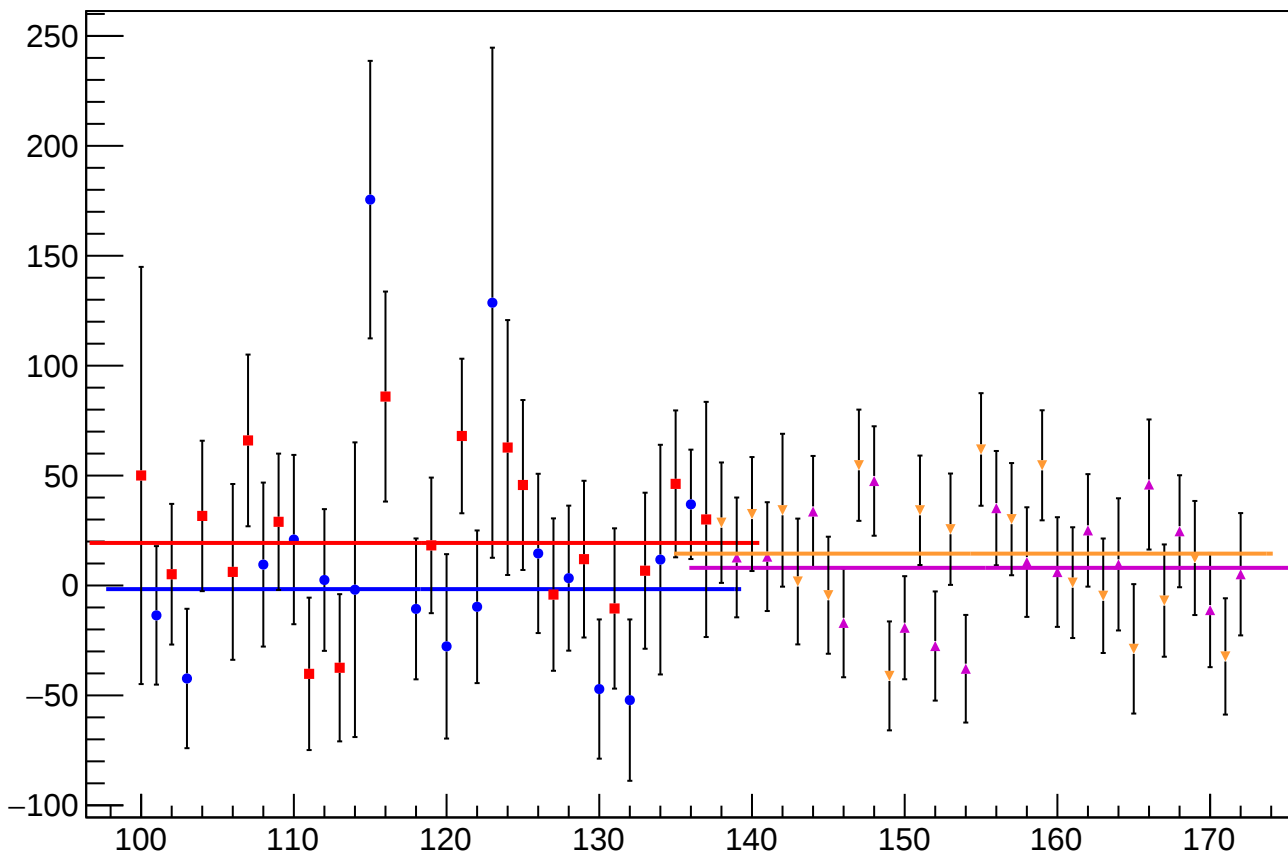
Right: 183.832 $\pm$ 0.038 χ^2 /NDF: 2587830.9/35

In: 184.612 $\pm$ 0.031 χ^2 /NDF:2506741.4/33

Out: 197.268 $\pm$ 0.032 χ^2 /NDF:3063026.4/36

All: 190.628 $\pm$ 0.022 χ^2 /NDF: 5649416.0/70

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -1.654 ± 8.881 $\chi^2/\text{NDF}: 18.5/16$

Left Out: 14.492 ± 6.208 $\chi^2/\text{NDF}: 23.3/17$

Right Out: 19.357 ± 8.556 $\chi^2/\text{NDF}: 14.8/18$

Left In: 8.020 ± 6.240 $\chi^2/\text{NDF}: 15.7/16$

Left: 11.272 ± 4.401 $\chi^2/\text{NDF}: 39.6/34$

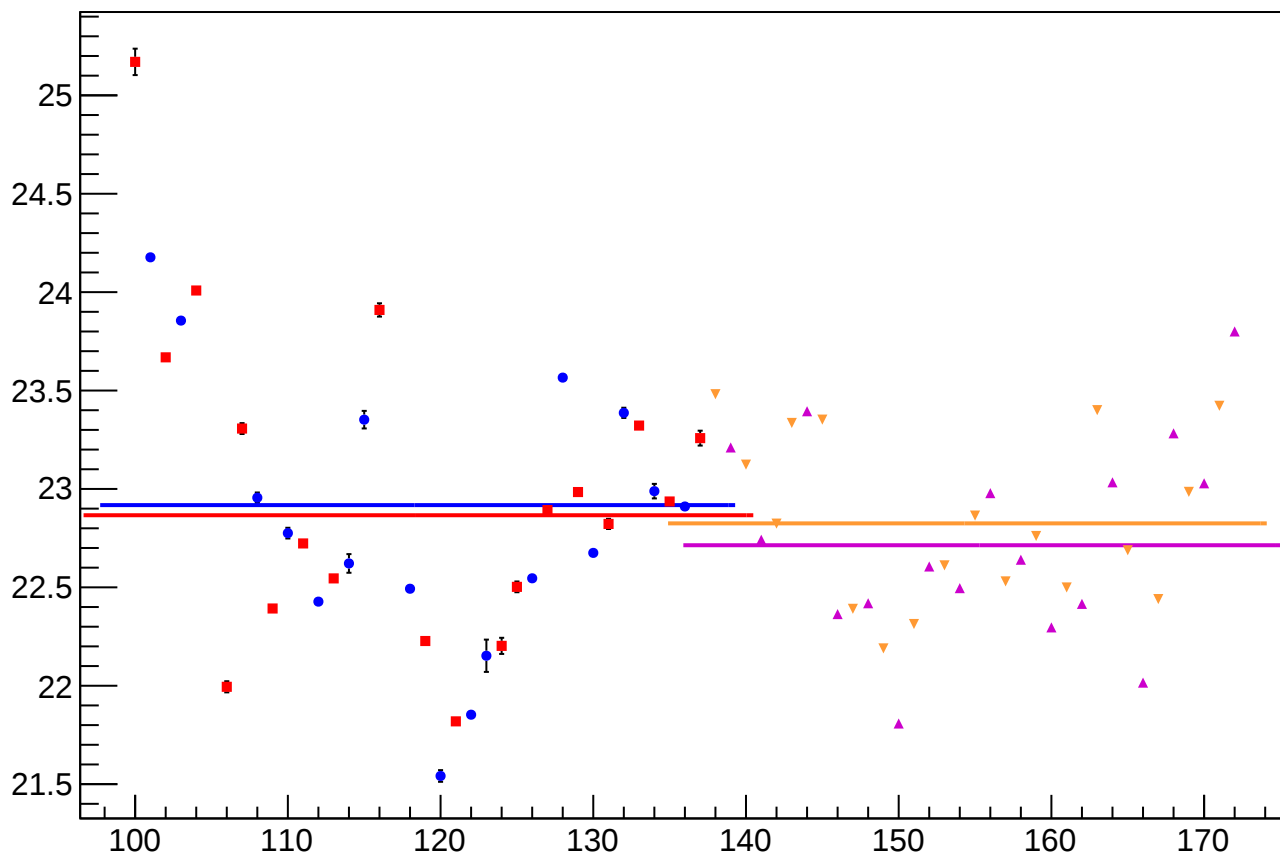
Right: 9.244 ± 6.162 $\chi^2/\text{NDF}: 36.2/35$

In: 4.823 ± 5.106 $\chi^2/\text{NDF}: 35.1/33$

Out: 16.170 ± 5.024 $\chi^2/\text{NDF}: 38.3/36$

All: 10.587 ± 3.581 $\chi^2/\text{NDF}: 75.9/70$

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.918 $\pm$ 0.006 χ^2 /NDF: 11472.2/16

Left Out: 22.825 $\pm$ 0.004 χ^2 /NDF:8911.8/17

Right Out: 22.866 $\pm$ 0.006 χ^2 /NDF: 11052.6/18

Left In: 22.714 $\pm$ 0.004 χ^2 /NDF:12714.8/16

Left: 22.770 $\pm$ 0.003 χ^2 /NDF: 21945.1/34

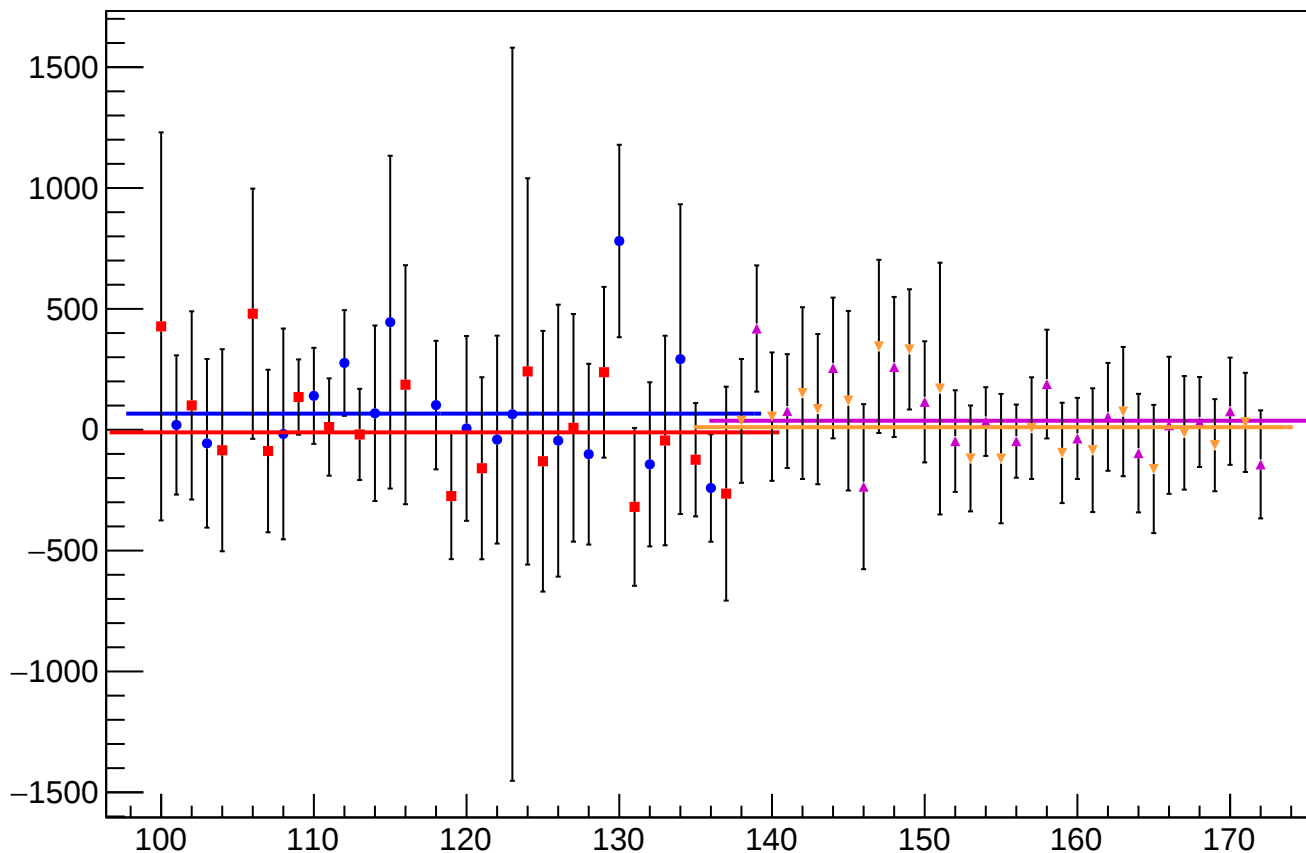
Right: 22.891 $\pm$ 0.004 χ^2 /NDF: 22559.6/35

In: 22.781 $\pm$ 0.004 χ^2 /NDF:24892.9/33

Out: 22.839 $\pm$ 0.004 χ^2 /NDF:19994.9/36

All: 22.811 $\pm$ 0.003 χ^2 /NDF: 45018.7/70

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 66.701 $\pm$ 79.995 χ^2 /NDF: 7.5/16

Left Out: 10.655 $\pm$ 60.191 χ^2 /NDF:4.6/17

Right Out: -10.870 $\pm$ 70.386 χ^2 /NDF: 5.7/18

Left In: 37.200 $\pm$ 51.973 χ^2 /NDF:6.2/16

Left: 25.862 $\pm$ 39.338 χ^2 /NDF: 10.9/34

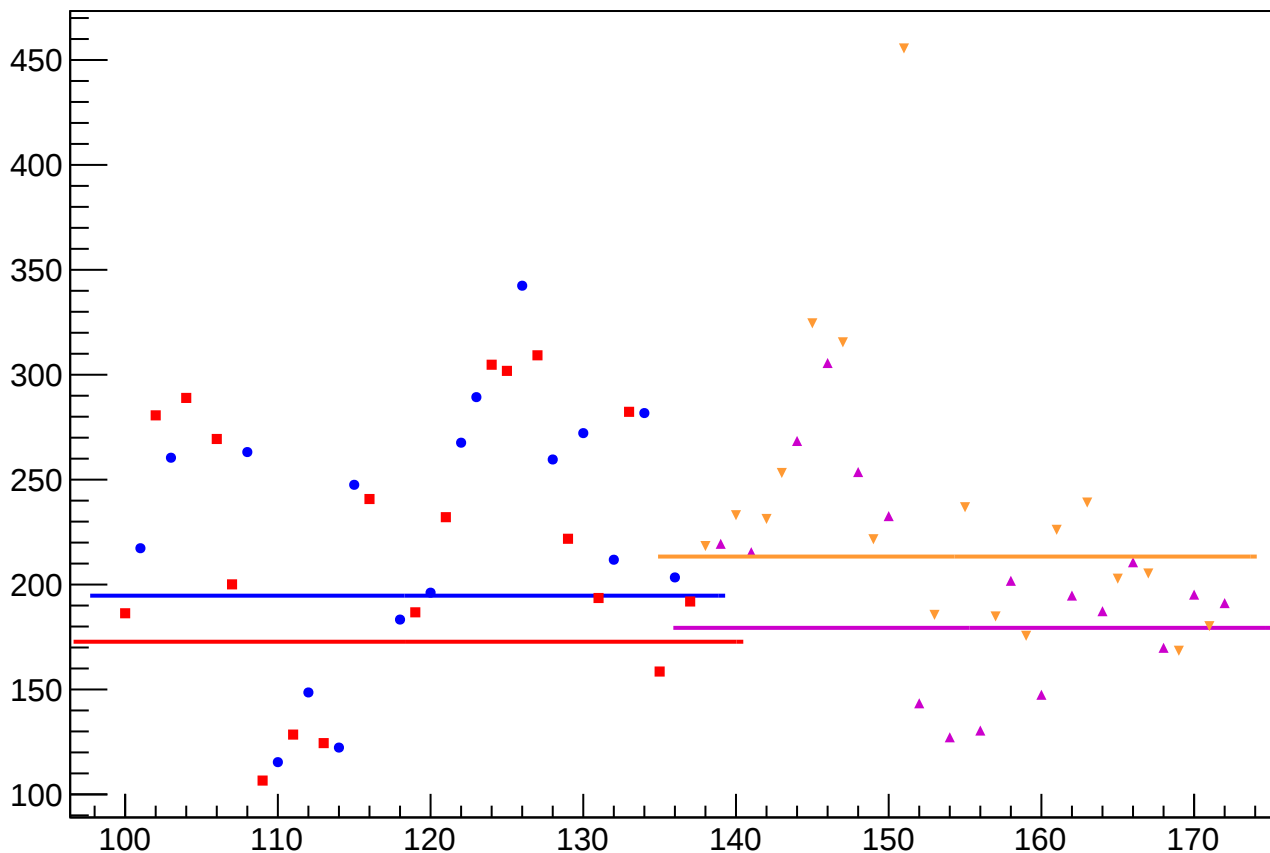
Right: 22.979 $\pm$ 52.843 χ^2 /NDF: 13.8/35

In: 45.956 $\pm$ 43.583 χ^2 /NDF:13.8/33

Out: 1.563 $\pm$ 45.746 χ^2 /NDF:10.4/36

All: 24.834 $\pm$ 31.555 χ^2 /NDF: 24.6/70

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 194.703 $\pm$ 0.057 χ^2 /NDF: 1019872.4/16

Left Out: 213.344 $\pm$ 0.043 χ^2 /NDF:1168797.0/17

Right Out: 172.753 $\pm$ 0.050 χ^2 /NDF: 1596944.9/18

Left In: 179.366 $\pm$ 0.037 χ^2 /NDF:1461718.6/16

Left: 193.879 $\pm$ 0.028 χ^2 /NDF: 2995629.0/34

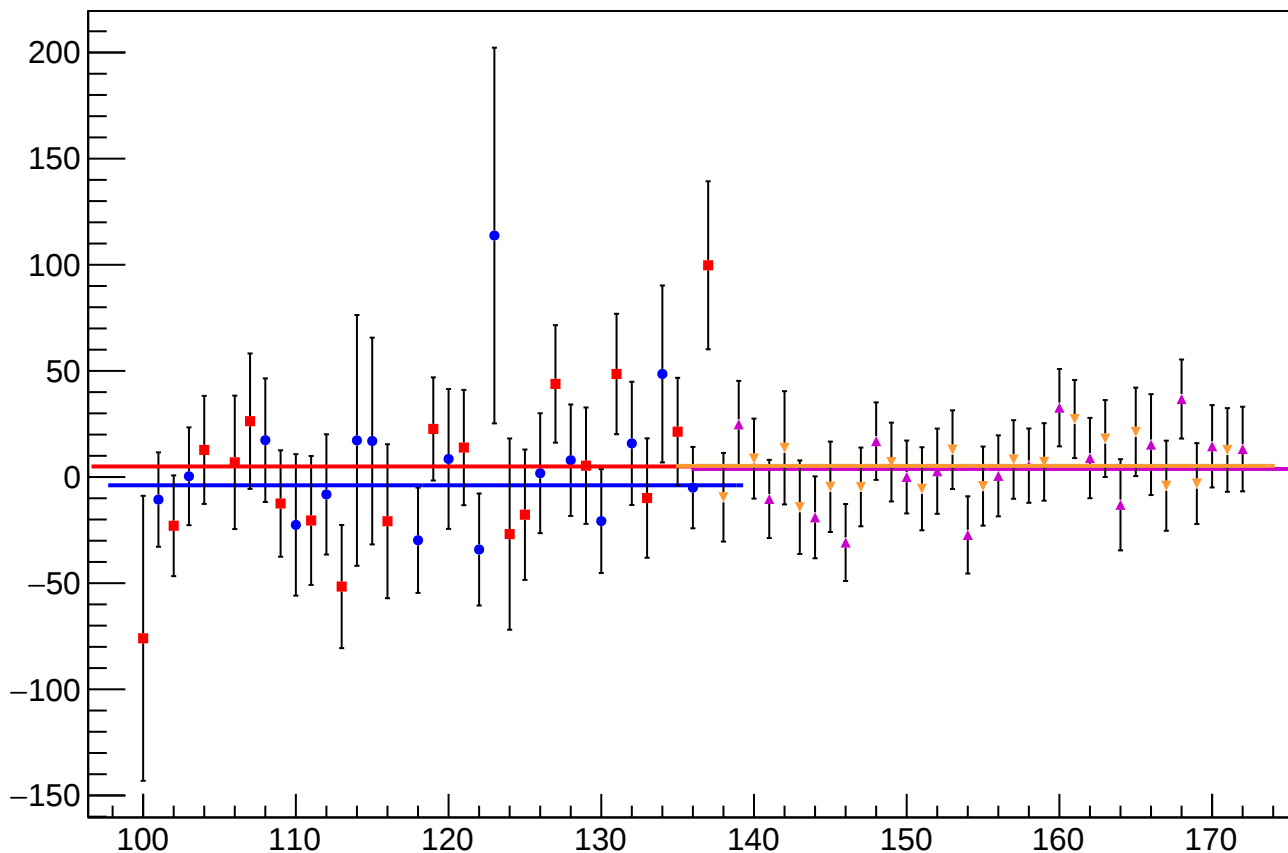
Right: 182.331 $\pm$ 0.037 χ^2 /NDF: 2701685.9/35

In: 183.918 $\pm$ 0.031 χ^2 /NDF:2533287.3/33

Out: 196.199 $\pm$ 0.032 χ^2 /NDF:3149921.0/36

All: 189.761 $\pm$ 0.022 χ^2 /NDF: 5758763.9/70

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: 5.263+/-4.624 χ^2/NDF : 5.8/17

Right Out: 4.985+/-6.727 χ^2/NDF : 21.3/18

Left In: 3.810+/-4.624 χ^2/NDF : 17.3/16

Left: 4.536+/-3.270 χ^2/NDF : 23.1/34

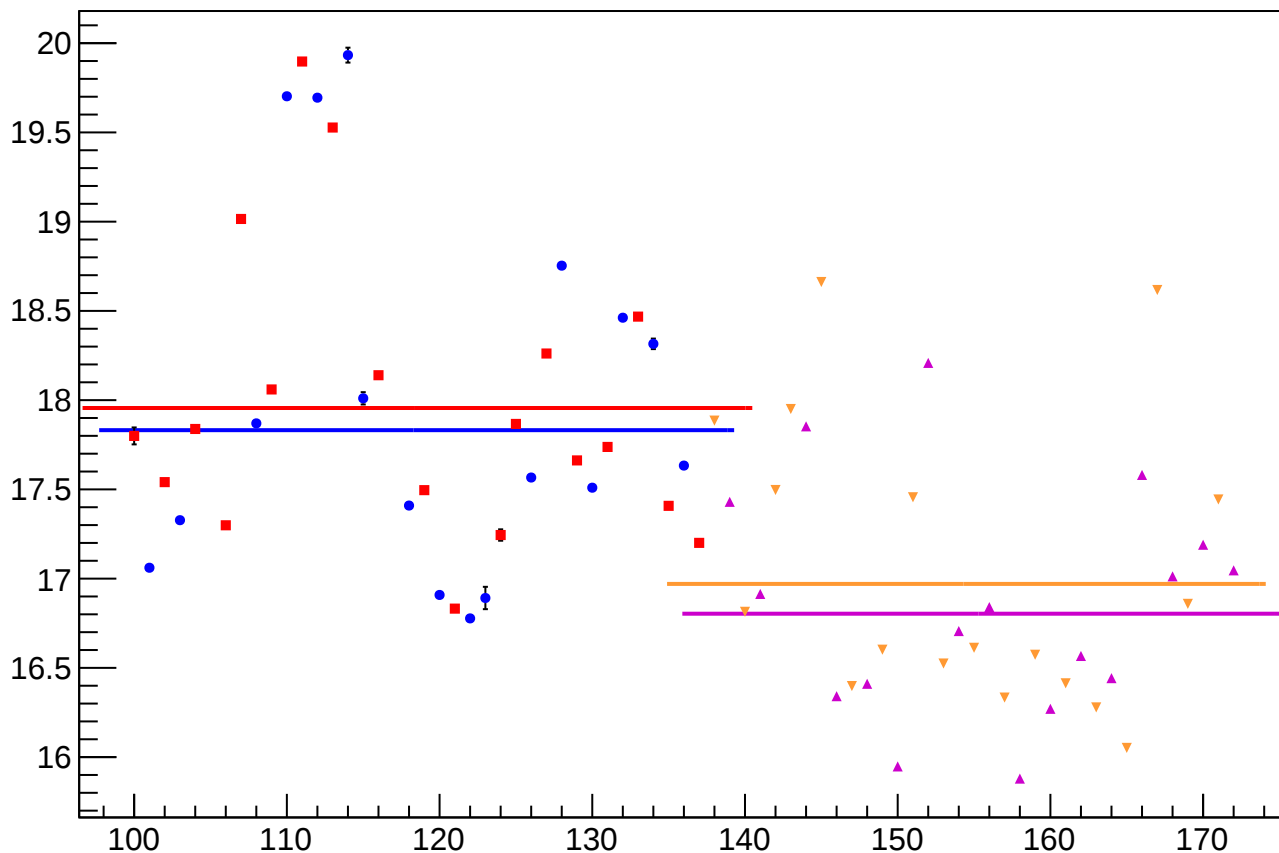
Right: 0.668+/-4.822 χ^2/NDF : 30.6/35

In: 1.430+/-3.844 χ^2/NDF : 26.5/33

Out: 5.174+/-3.810 χ^2/NDF : 27.1/36

All: 3.318+/-2.706 χ^2/NDF : 54.1/70

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.832 $\pm$ 0.005 χ^2 /NDF: 30863.4/16

Left Out: 16.970 $\pm$ 0.003 χ^2 /NDF:52363.7/17

Right Out: 17.956 $\pm$ 0.005 χ^2 /NDF: 25448.9/18

Left In: 16.803 $\pm$ 0.003 χ^2 /NDF:36561.9/16

Left: 16.887 $\pm$ 0.002 χ^2 /NDF: 90228.8/34

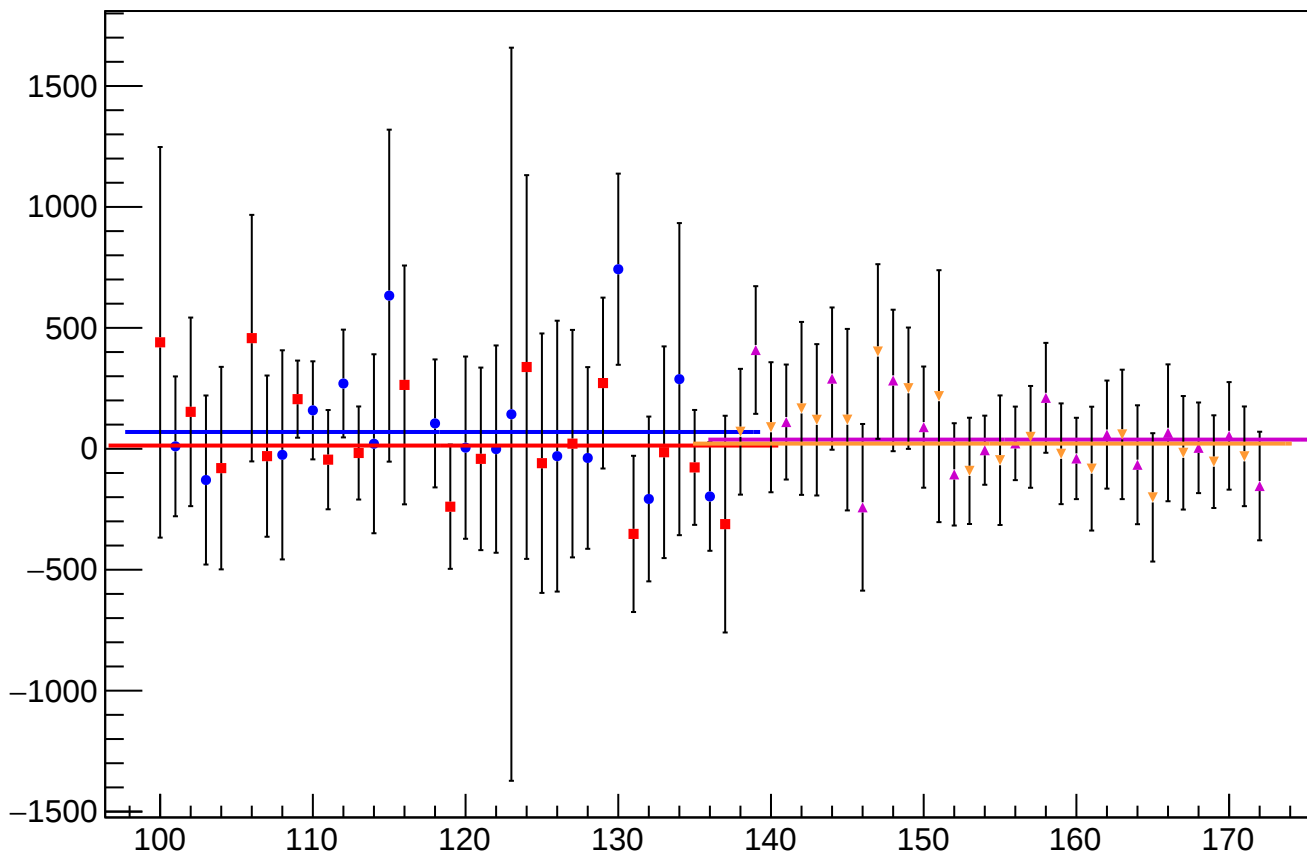
Right: 17.896 $\pm$ 0.003 χ^2 /NDF: 56643.8/35

In: 17.121 $\pm$ 0.003 χ^2 /NDF:97985.5/33

Out: 17.287 $\pm$ 0.003 χ^2 /NDF:106970.6/36

All: 17.205 $\pm$ 0.002 χ^2 /NDF: 206825.0/70

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: 21.465+/-60.453 χ^2/NDF : 4.0/17

Right Out: 13.410+/-71.041 χ^2/NDF : 6.7/18

Left In: 37.976+/-52.226 χ^2/NDF : 6.5/16

Left: 30.920+/-39.520 χ^2/NDF : 10.6/34

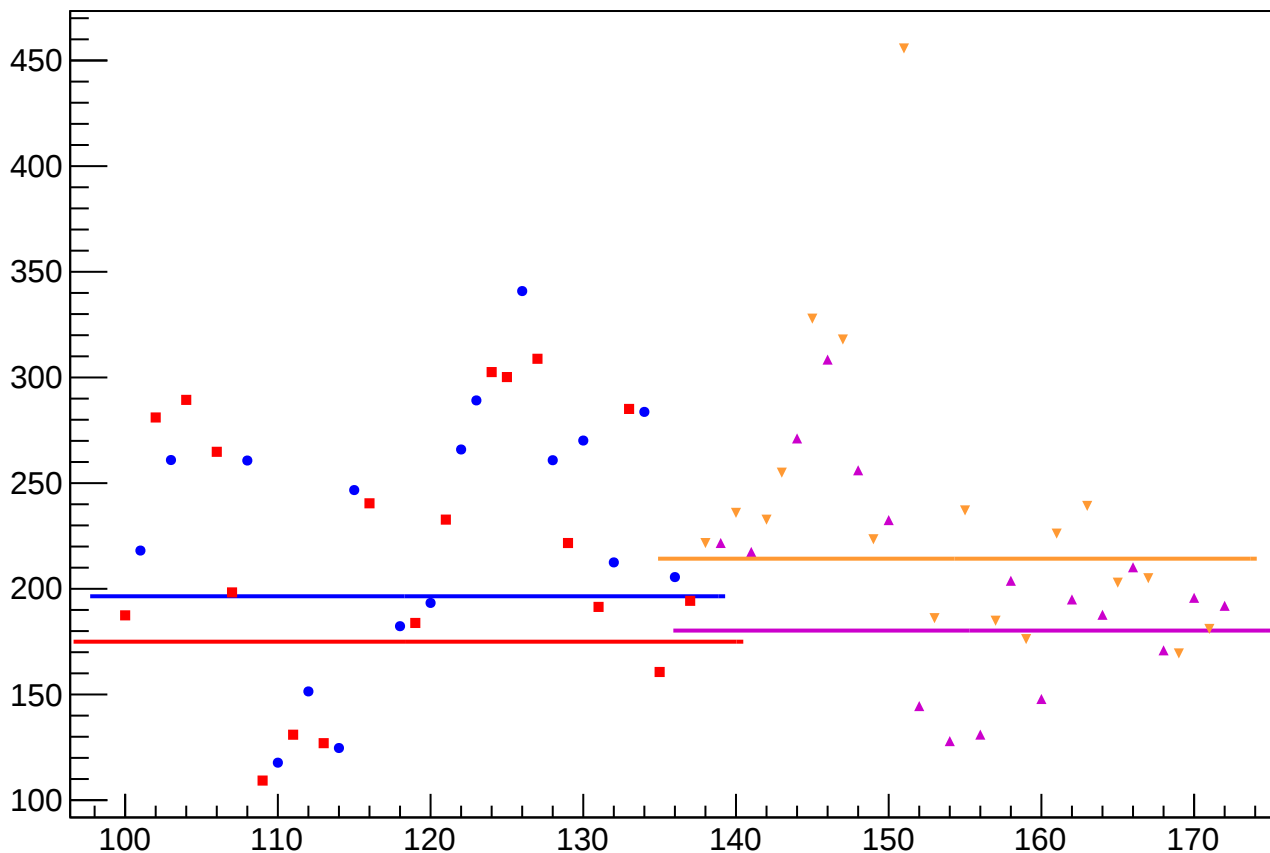
Right: 37.955+/-53.280 χ^2/NDF : 14.4/35

In: 47.309+/-43.821 χ^2/NDF : 14.0/33

Out: 18.082+/-46.040 χ^2/NDF : 10.8/36

All: 33.417+/-31.742 χ^2/NDF : 25.0/70

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 196.470 $\pm$ 0.057 χ^2 /NDF: 964281.5/16

Left Out: 214.259 $\pm$ 0.043 χ^2 /NDF:1177404.3/17

Right Out: 174.981 $\pm$ 0.050 χ^2 /NDF: 1511102.3/18

Left In: 180.240 $\pm$ 0.037 χ^2 /NDF:1471497.0/16

Left: 194.779 $\pm$ 0.028 χ^2 /NDF: 3011571.5/34

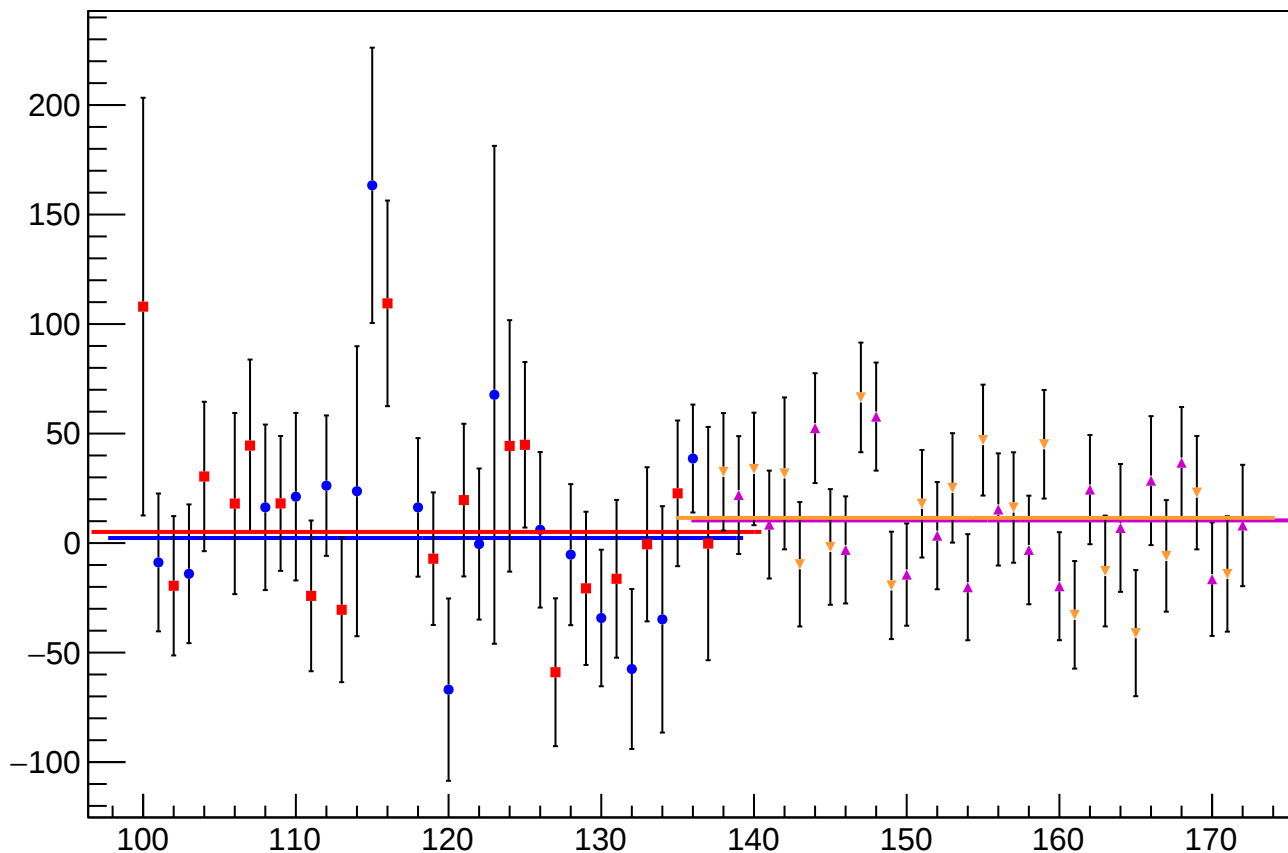
Right: 184.383 $\pm$ 0.038 χ^2 /NDF: 2555448.8/35

In: 185.043 $\pm$ 0.031 χ^2 /NDF:2492947.7/33

Out: 197.762 $\pm$ 0.033 χ^2 /NDF:3043099.6/36

All: 191.089 $\pm$ 0.022 χ^2 /NDF: 5616135.1/70

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 2.307 $\pm$ 8.805 χ^2 /NDF: 18.1/16

Left Out: 11.513 $\pm$ 6.132 χ^2 /NDF:22.3/17

Right Out: 5.089 $\pm$ 8.479 χ^2 /NDF: 17.1/18

Left In: 10.347 $\pm$ 6.176 χ^2 /NDF:14.5/16

Left: 10.934 $\pm$ 4.352 χ^2 /NDF: 36.8/34

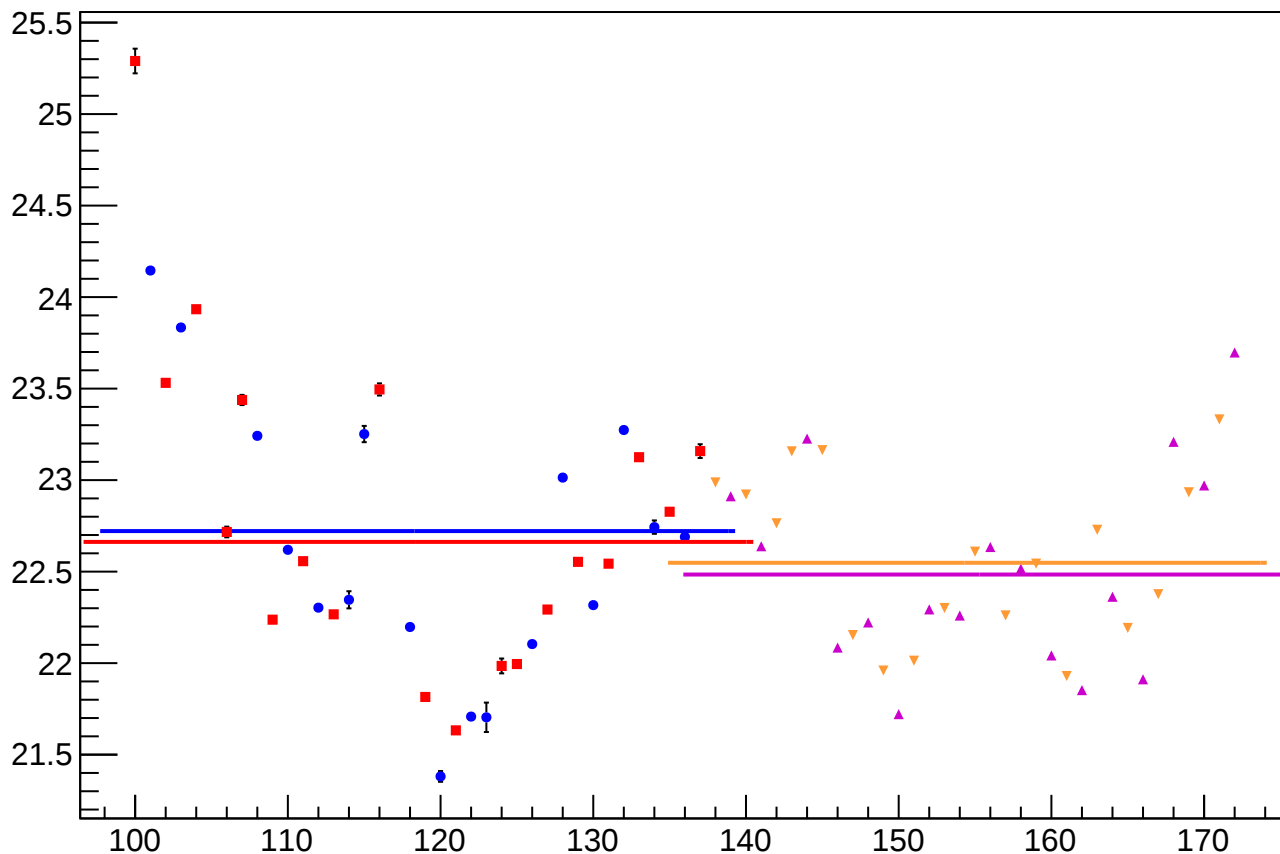
Right: 3.750 $\pm$ 6.108 χ^2 /NDF: 35.3/35

In: 7.696 $\pm$ 5.056 χ^2 /NDF:33.1/33

Out: 9.307 $\pm$ 4.969 χ^2 /NDF:39.8/36

All: 8.515 $\pm$ 3.544 χ^2 /NDF: 73.0/70

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.722 $\pm$ 0.006 χ^2/NDF : 13580.6/16

Left Out: 22.548 $\pm$ 0.004 χ^2/NDF : 10087.0/17

Right Out: 22.662 $\pm$ 0.006 χ^2/NDF : 12955.6/18

Left In: 22.484 $\pm$ 0.004 χ^2/NDF : 14482.4/16

Left: 22.516 $\pm$ 0.003 χ^2/NDF : 24678.3/34

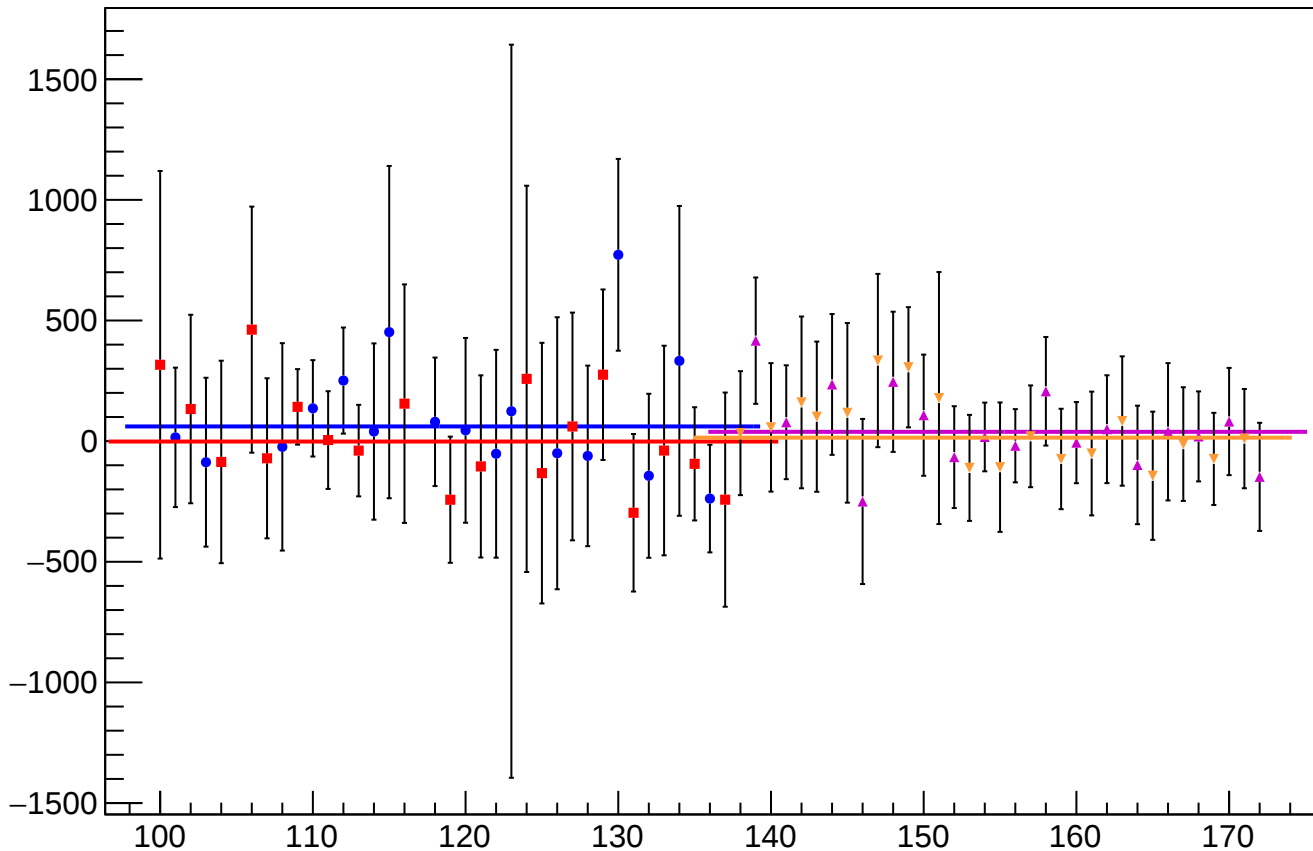
Right: 22.691 $\pm$ 0.004 χ^2/NDF : 26582.8/35

In: 22.562 $\pm$ 0.004 χ^2/NDF : 29037.8/33

Out: 22.588 $\pm$ 0.004 χ^2/NDF : 23280.4/36

All: 22.575 $\pm$ 0.003 χ^2/NDF : 52343.3/70

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 60.960 $\pm$ 80.197 χ^2 /NDF: 7.2/16

Left Out: 14.393 $\pm$ 60.327 χ^2 /NDF:4.0/17

Right Out: -1.647 $\pm$ 70.549 χ^2 /NDF: 5.2/18

Left In: 38.590 $\pm$ 52.079 χ^2 /NDF:6.0/16

Left: 28.257 $\pm$ 39.421 χ^2 /NDF: 10.1/34

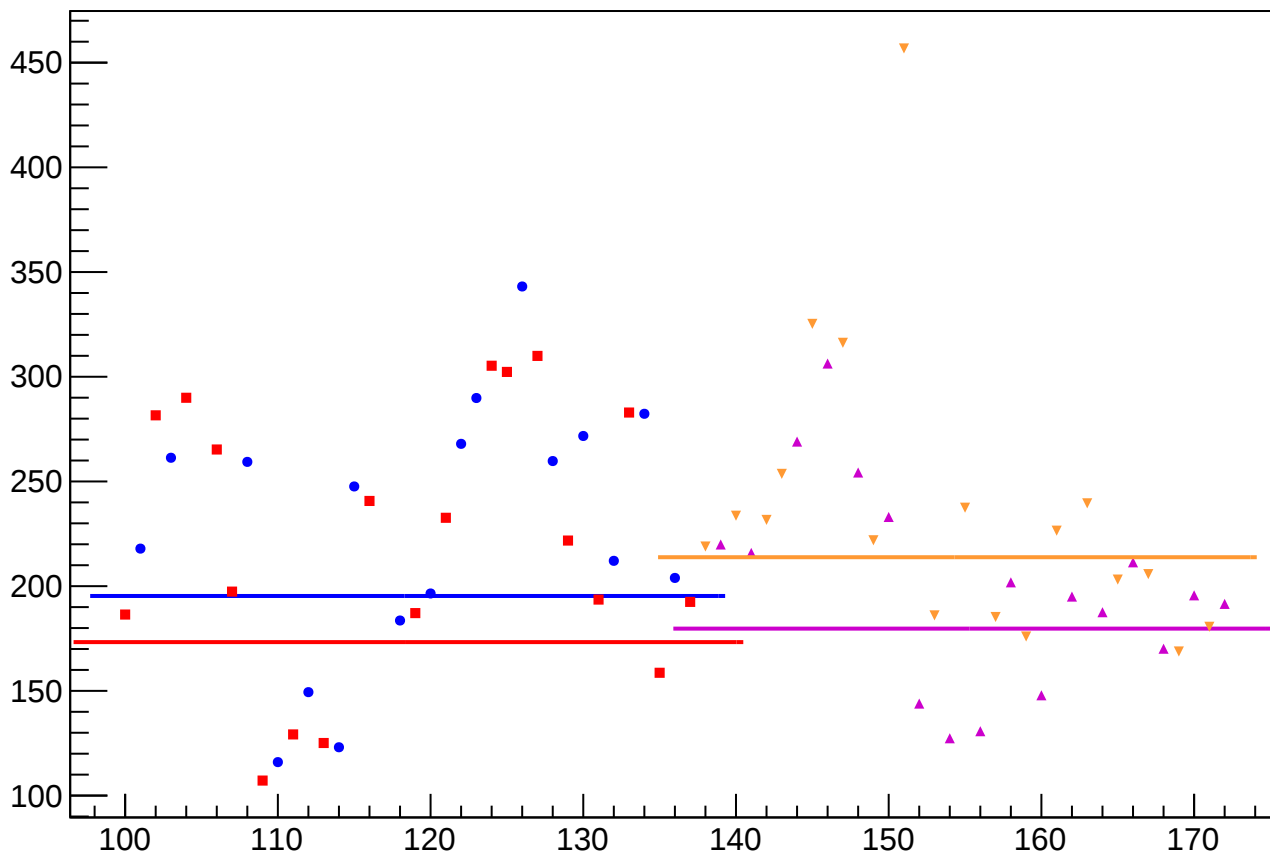
Right: 25.666 $\pm$ 52.970 χ^2 /NDF: 12.7/35

In: 45.225 $\pm$ 43.677 χ^2 /NDF:13.2/33

Out: 7.618 $\pm$ 45.850 χ^2 /NDF:9.2/36

All: 27.334 $\pm$ 31.625 χ^2 /NDF: 22.8/70

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: 213.822+/-0.043 χ^2/NDF : 1168801.1/17

Right Out: 173.285+/-0.050 χ^2/NDF : 1578382.8/18

Left In: 179.728+/-0.037 χ^2/NDF : 1461589.2/16

Left: 194.287+/-0.028 χ^2/NDF : 2996421.1/34

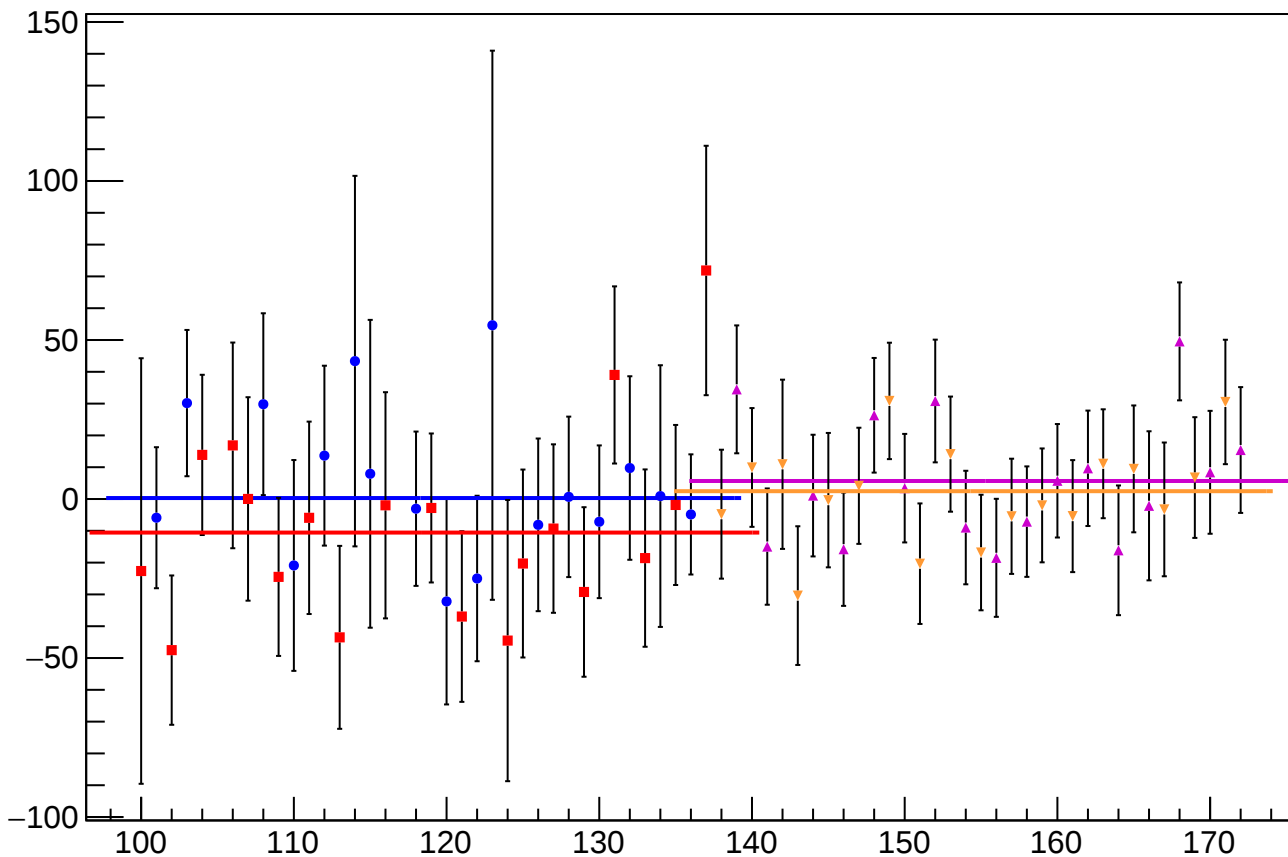
Right: 182.896+/-0.037 χ^2/NDF : 2667678.3/35

In: 184.352+/-0.031 χ^2/NDF : 2518946.3/33

Out: 196.701+/-0.032 χ^2/NDF : 3128610.6/36

All: 190.227+/-0.022 χ^2/NDF : 5723618.9/70

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.305 ± 6.812 $\chi^2/\text{NDF}: 6.8/16$

Left Out: 2.460 ± 4.523 $\chi^2/\text{NDF}: 11.1/17$

Right Out: -10.553 ± 6.628 $\chi^2/\text{NDF}: 16.0/18$

Left In: 5.667 ± 4.543 $\chi^2/\text{NDF}: 17.9/16$

Left: 4.057 ± 3.206 $\chi^2/\text{NDF}: 29.3/34$

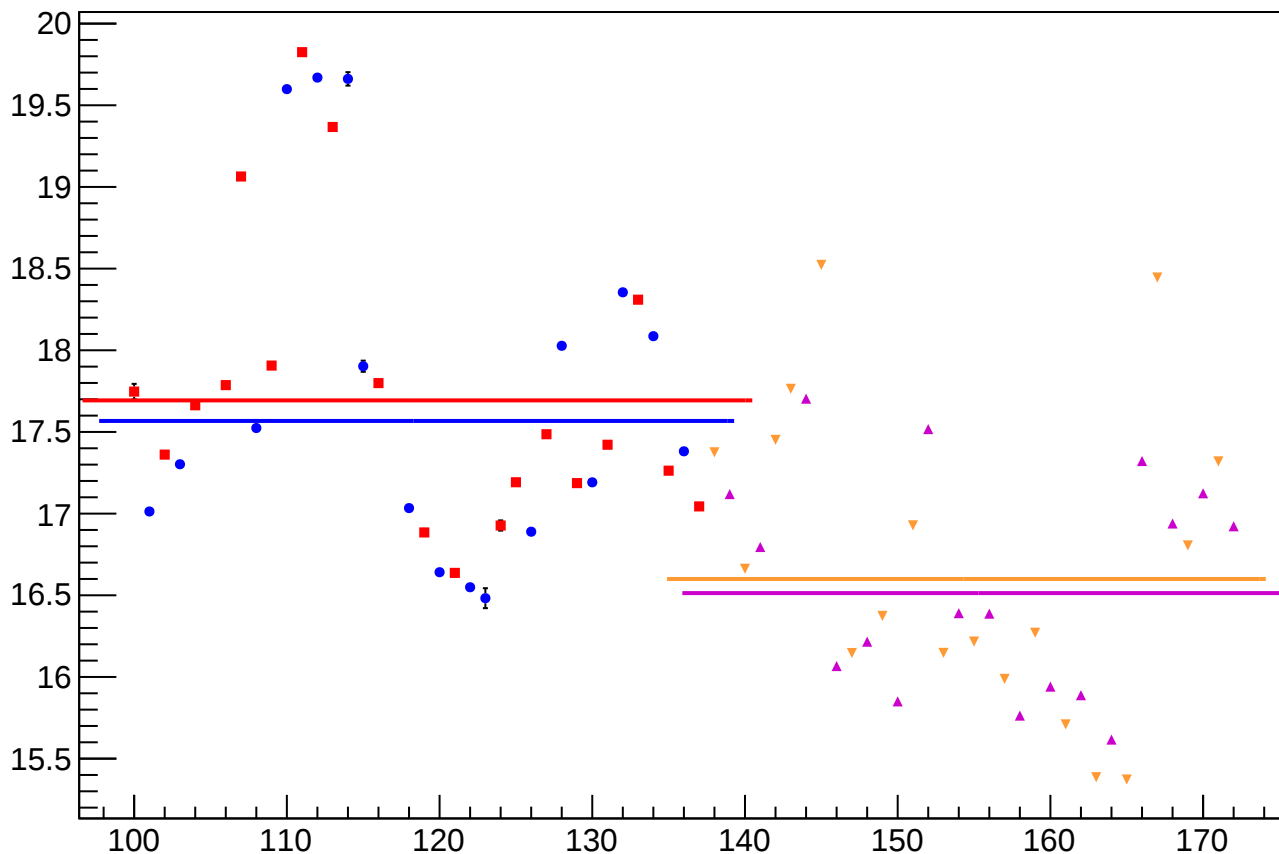
Right: -5.273 ± 4.751 $\chi^2/\text{NDF}: 24.1/35$

In: 4.017 ± 3.780 $\chi^2/\text{NDF}: 25.1/33$

Out: -1.675 ± 3.736 $\chi^2/\text{NDF}: 29.8/36$

All: 1.138 ± 2.657 $\chi^2/\text{NDF}: 56.0/70$

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.567 $\pm$ 0.005 χ^2 /NDF: 33145.0/16

Left Out: 16.600 $\pm$ 0.003 χ^2 /NDF: 75574.7/17

Right Out: 17.693 $\pm$ 0.005 χ^2 /NDF: 30767.1/18

Left In: 16.513 $\pm$ 0.003 χ^2 /NDF: 38784.9/16

Left: 16.557 $\pm$ 0.002 χ^2 /NDF: 114723.5/34

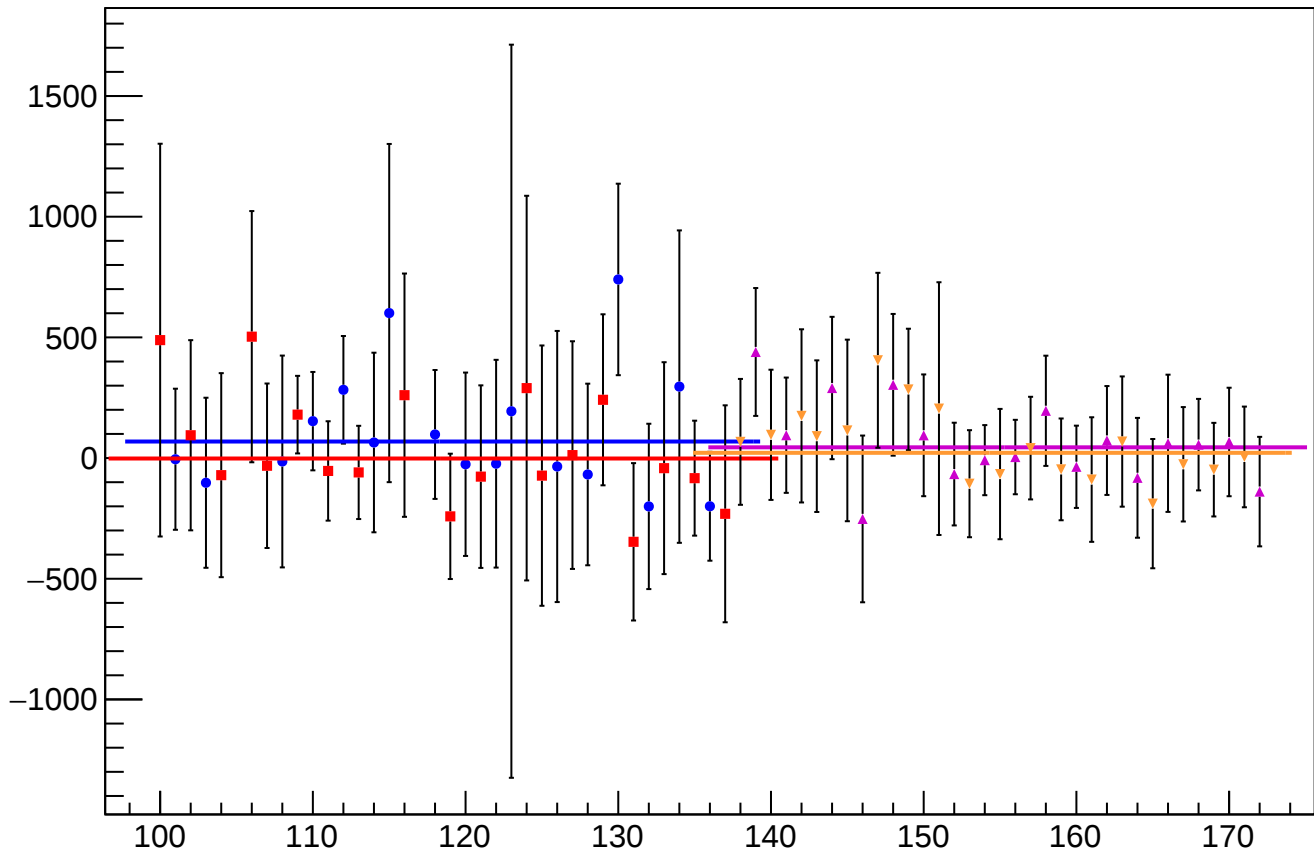
Right: 17.632 $\pm$ 0.003 χ^2 /NDF: 64262.5/35

In: 16.838 $\pm$ 0.003 χ^2 /NDF: 105066.1/33

Out: 16.947 $\pm$ 0.003 χ^2 /NDF: 143469.1/36

All: 16.893 $\pm$ 0.002 χ^2 /NDF: 249383.4/70

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: 68.553+/-81.018 χ^2/NDF : 7.3/16

Left Out: 21.751+/-60.943 χ^2/NDF : 4.3/17

Right Out: -1.831+/-71.538 χ^2/NDF : 6.1/18

Left In: 44.506+/-52.743 χ^2/NDF : 6.6/16

Left: 34.761+/-39.881 χ^2/NDF : 11.0/34

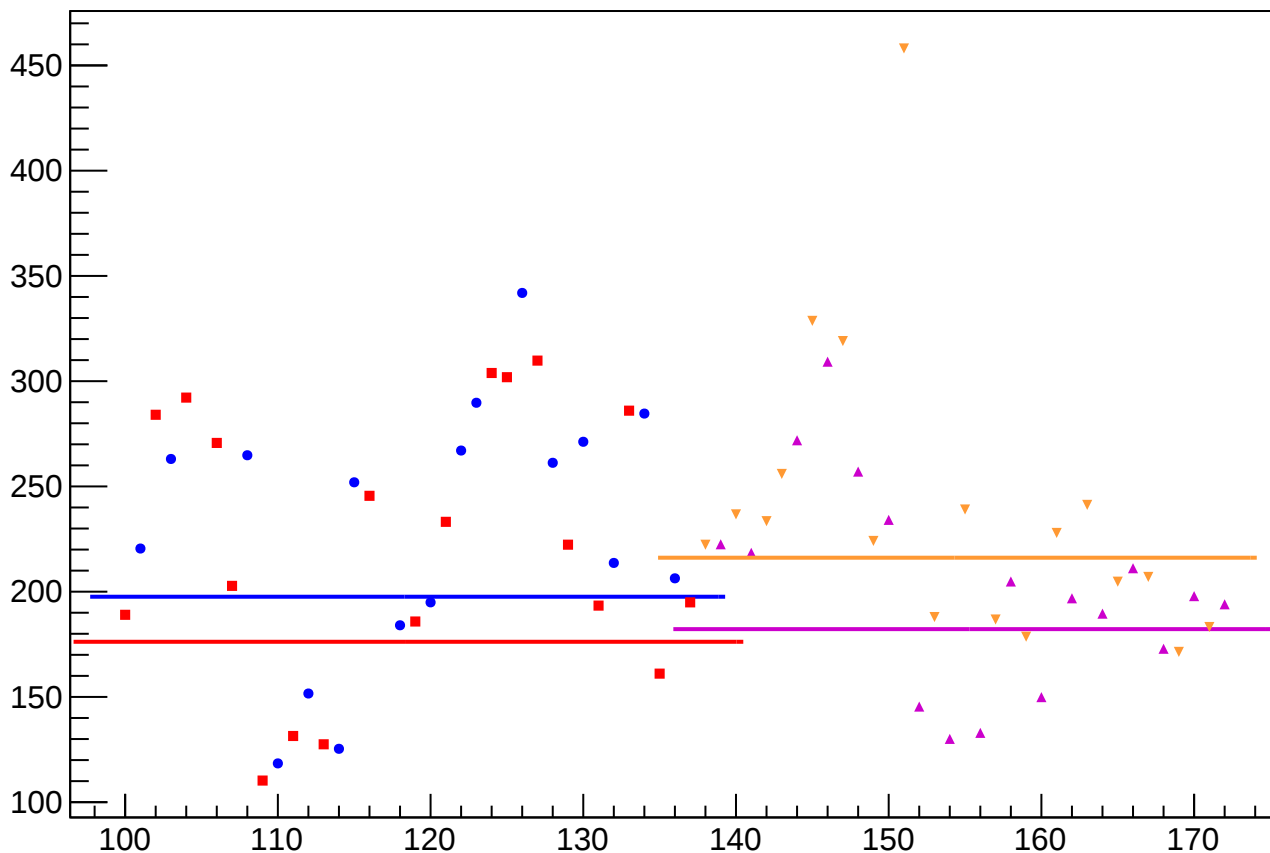
Right: 29.004+/-53.625 χ^2/NDF : 13.9/35

In: 51.664+/-44.202 χ^2/NDF : 14.0/33

Out: 11.834+/-46.391 χ^2/NDF : 10.5/36

All: 32.711+/-32.001 χ^2/NDF : 24.8/70

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 197.603 $\pm$ 0.057 χ^2 /NDF: 968827.8/16

Left Out: 216.141 $\pm$ 0.043 χ^2 /NDF: 1151363.5/17

Right Out: 176.201 $\pm$ 0.051 χ^2 /NDF: 1519832.7/18

Left In: 182.211 $\pm$ 0.037 χ^2 /NDF: 1426950.5/16

Left: 196.741 $\pm$ 0.028 χ^2 /NDF: 2932762.1/34

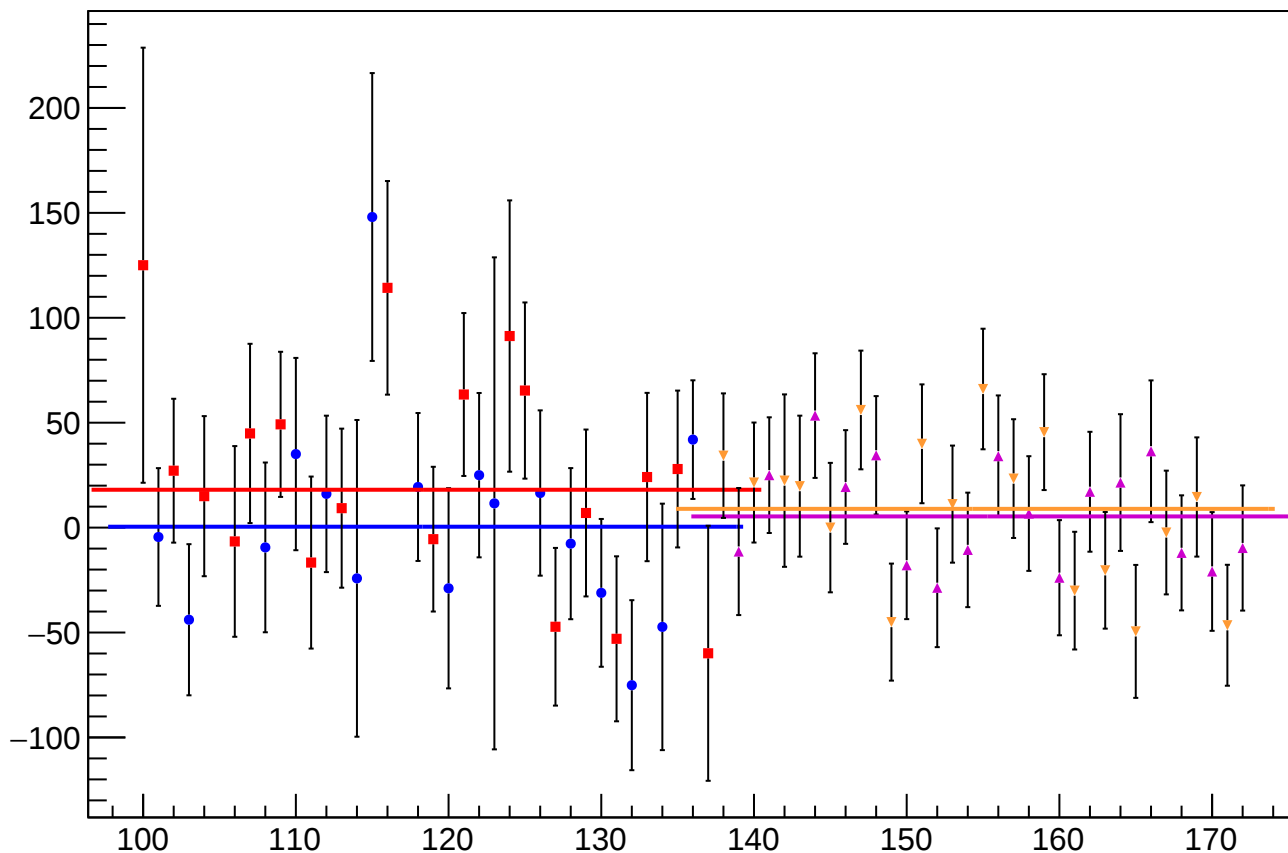
Right: 185.577 $\pm$ 0.038 χ^2 /NDF: 2567082.7/35

In: 186.793 $\pm$ 0.031 χ^2 /NDF: 2446478.7/33

Out: 199.345 $\pm$ 0.033 χ^2 /NDF: 3032433.6/36

All: 192.766 $\pm$ 0.023 χ^2 /NDF: 5555657.1/70

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 0.427 ± 9.884 $\chi^2/\text{NDF}: 15.5/16$

Left Out: 8.942 ± 6.920 $\chi^2/\text{NDF}: 25.2/17$

Right Out: 18.044 ± 9.499 $\chi^2/\text{NDF}: 19.5/18$

Left In: 5.332 ± 6.921 $\chi^2/\text{NDF}: 12.3/16$

Left: 7.138 ± 4.894 $\chi^2/\text{NDF}: 37.6/34$

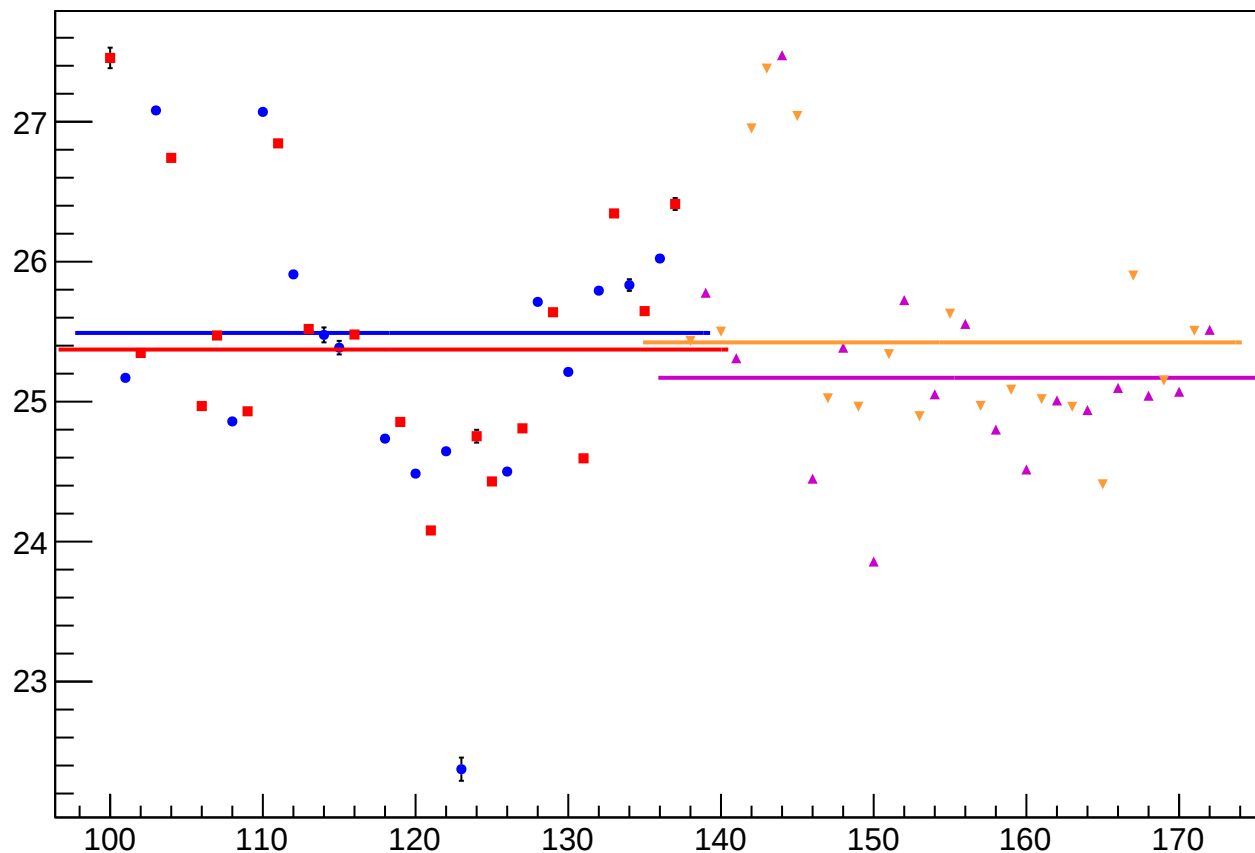
Right: 9.585 ± 6.849 $\chi^2/\text{NDF}: 36.6/35$

In: 3.718 ± 5.669 $\chi^2/\text{NDF}: 27.9/33$

Out: 12.098 ± 5.593 $\chi^2/\text{NDF}: 45.3/36$

All: 7.965 ± 3.982 $\chi^2/\text{NDF}: 74.3/70$

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 25.491 $\pm$ 0.007 χ^2 /NDF: 13713.0/16

Left Out: 25.423 $\pm$ 0.005 χ^2 /NDF:21392.6/17

Right Out: 25.372 $\pm$ 0.007 χ^2 /NDF: 13550.5/18

Left In: 25.170 $\pm$ 0.005 χ^2 /NDF:22842.6/16

Left: 25.297 $\pm$ 0.003 χ^2 /NDF: 45570.1/34

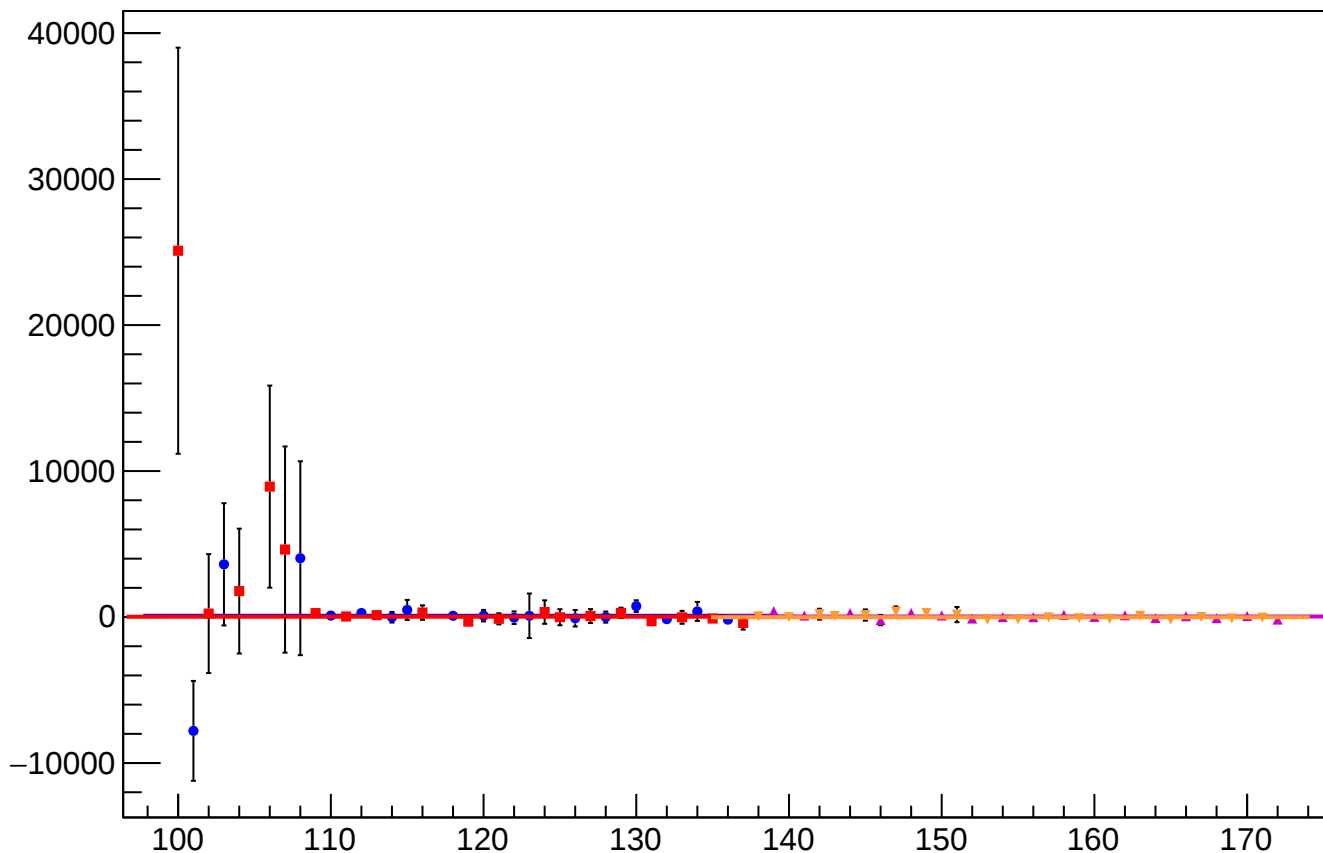
Right: 25.429 $\pm$ 0.005 χ^2 /NDF: 27413.4/35

In: 25.276 $\pm$ 0.004 χ^2 /NDF:37966.3/33

Out: 25.406 $\pm$ 0.004 χ^2 /NDF:34980.8/36

All: 25.342 $\pm$ 0.003 χ^2 /NDF: 73477.8/70

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 86.558 $\pm$ 88.423 χ^2 /NDF: 12.5/16

Left Out: -12.510 $\pm$ 61.317 χ^2 /NDF:4.7/17

Right Out: 23.352 $\pm$ 80.948 χ^2 /NDF: 11.9/18

Left In: 37.652 $\pm$ 53.360 χ^2 /NDF:6.3/16

Left: 16.035 $\pm$ 40.253 χ^2 /NDF: 11.4/34

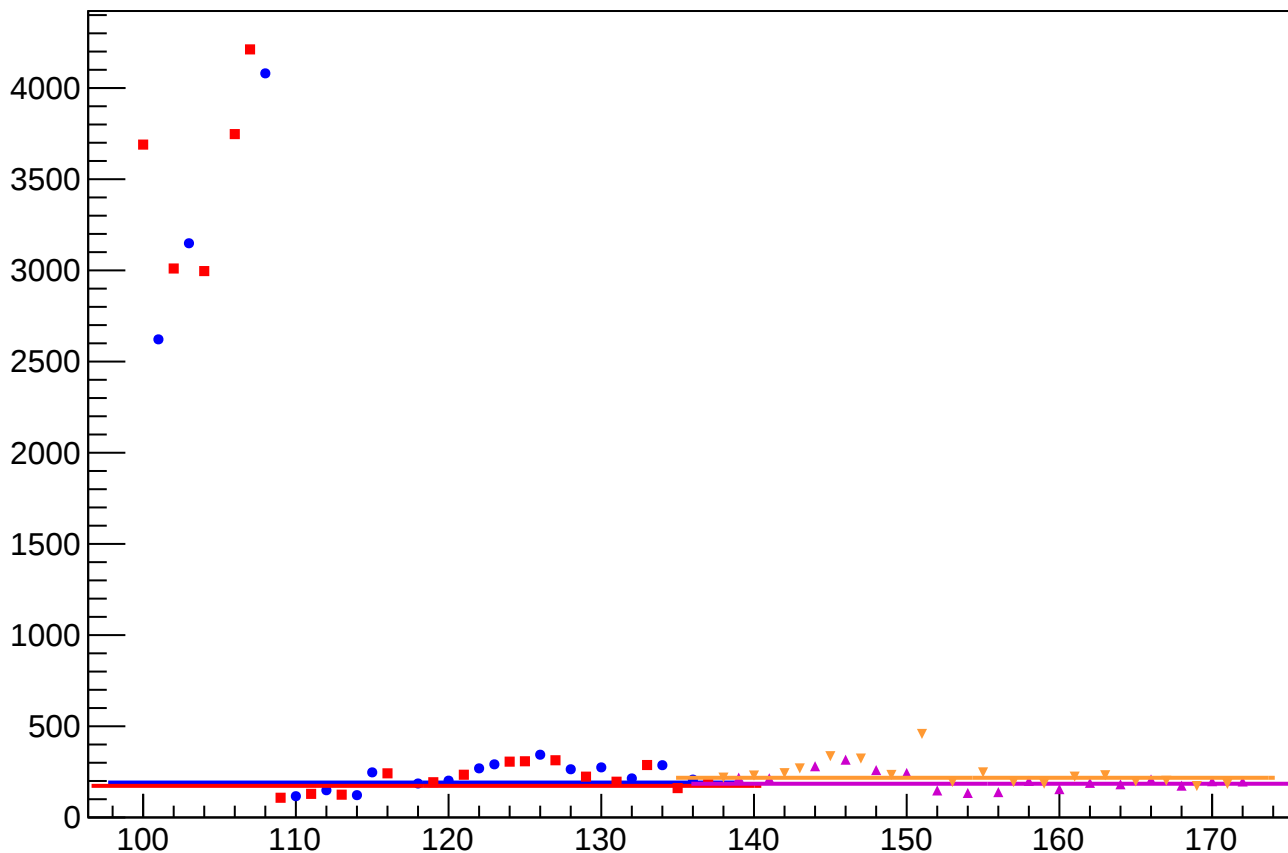
Right: 52.171 $\pm$ 59.707 χ^2 /NDF: 24.7/35

In: 50.707 $\pm$ 45.686 χ^2 /NDF:19.0/33

Out: 0.565 $\pm$ 48.877 χ^2 /NDF:16.7/36

All: 27.326 $\pm$ 33.376 χ^2 /NDF: 36.3/70

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: 217.576+/-0.043 χ^2/NDF : 1151631.9/17

Right Out: 173.297+/-0.057 χ^2/NDF : 4207424.0/18

Left In: 184.809+/-0.038 χ^2/NDF : 1319501.8/16

Left: 198.930+/-0.028 χ^2/NDF : 2796124.3/34

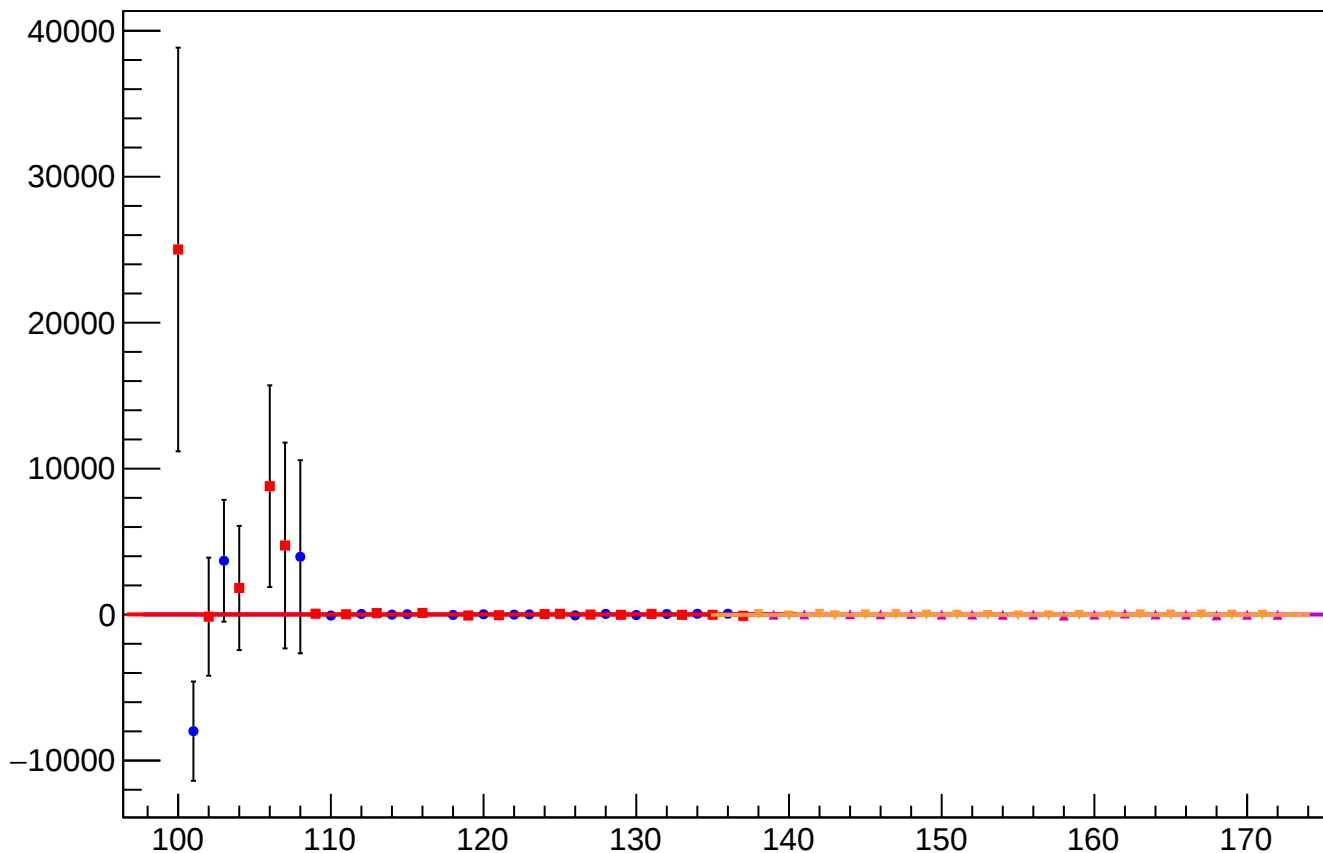
Right: 181.587+/-0.042 χ^2/NDF : 7826577.3/35

In: 186.590+/-0.032 χ^2/NDF : 4900994.8/33

Out: 201.432+/-0.035 χ^2/NDF : 5739287.4/36

All: 193.511+/-0.024 χ^2/NDF : 10738716.7/70

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: -16.883+/-7.877 χ^2/NDF : 16.7/17

Right Out: 12.668+/-12.232 χ^2/NDF : 24.8/18

Left In: 6.855+/-7.945 χ^2/NDF : 17.6/16

Left: -5.116+/-5.594 χ^2/NDF : 38.9/34

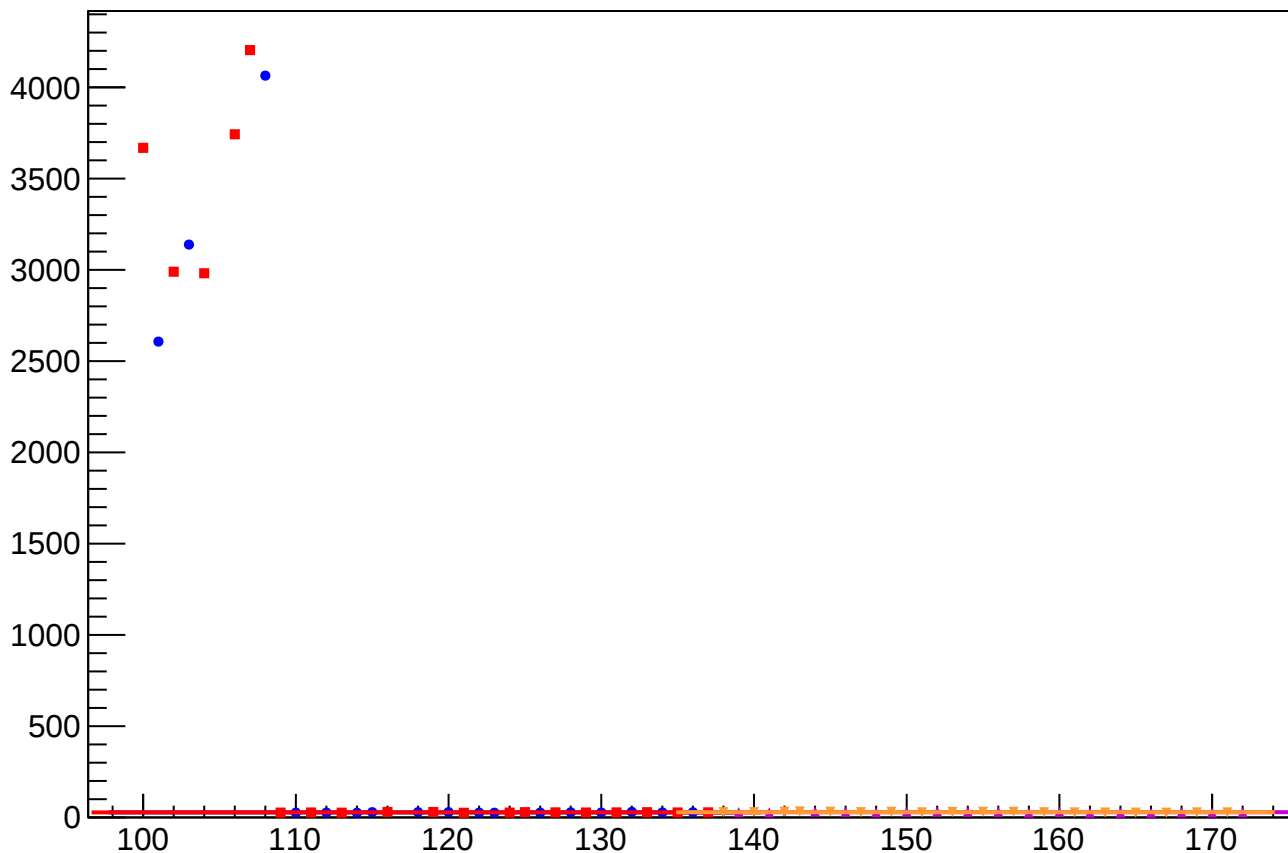
Right: 11.482+/-8.667 χ^2/NDF : 43.2/35

In: 7.867+/-6.671 χ^2/NDF : 36.1/33

Out: -8.221+/-6.623 χ^2/NDF : 45.6/36

All: -0.235+/-4.700 χ^2/NDF : 84.6/70

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: 28.880+/-0.006 χ^2 /NDF:96534.7/17

Right Out: 27.695+/-0.009 χ^2 /NDF: 3476852.9/18

Left In: 28.819+/-0.006 χ^2 /NDF:111324.9/16

Left: 28.849+/-0.004 χ^2 /NDF: 207918.9/34

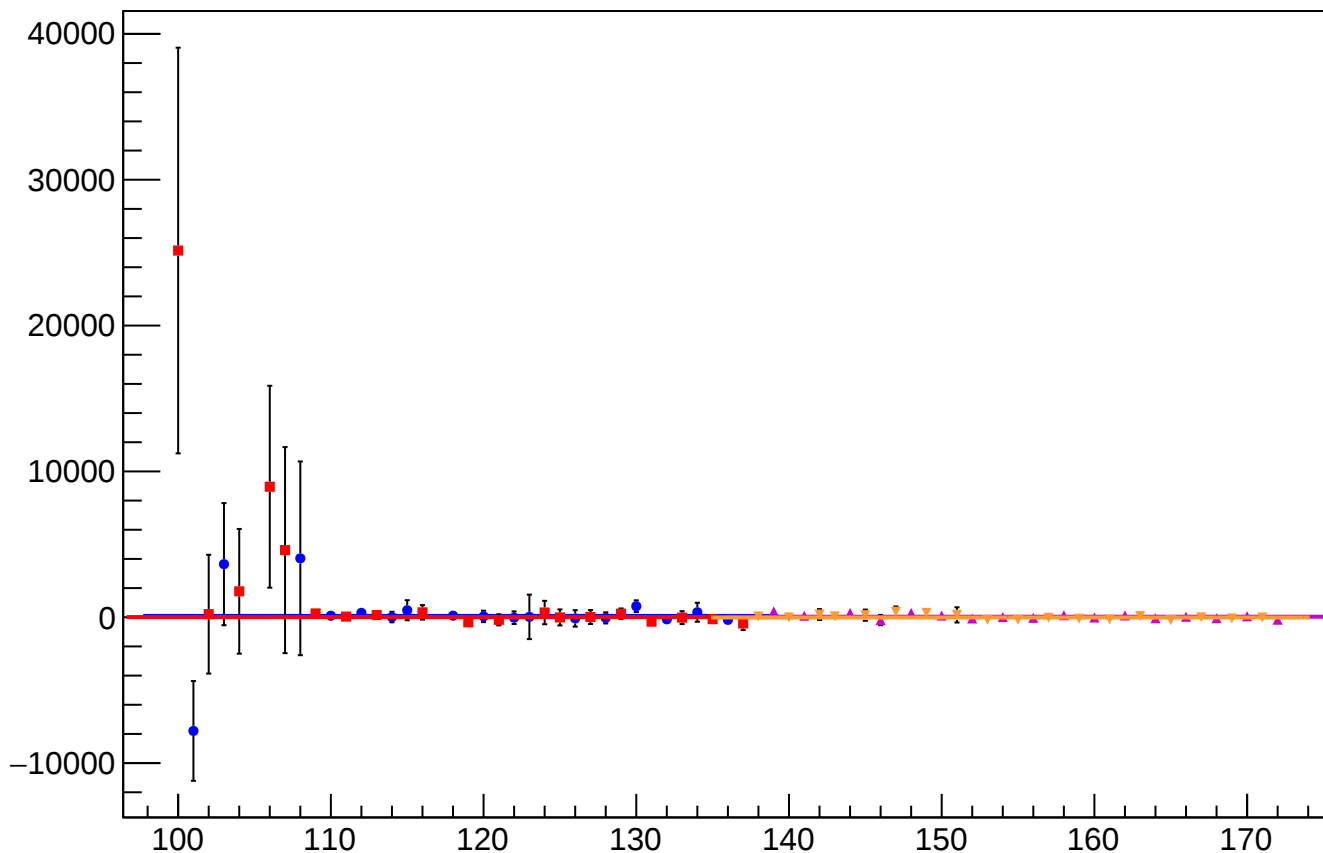
Right: 27.774+/-0.006 χ^2 /NDF: 6504689.9/35

In: 28.534+/-0.005 χ^2 /NDF:3147678.0/33

Out: 28.532+/-0.005 χ^2 /NDF:3586652.8/36

All: 28.533+/-0.003 χ^2 /NDF: 6734330.9/70

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: -16.431+/-61.183 χ^2/NDF : 5.3/17

Right Out: 13.341+/-80.686 χ^2/NDF : 12.7/18

Left In: 36.341+/-53.256 χ^2/NDF : 6.4/16

Left: 13.593+/-40.170 χ^2/NDF : 12.1/34

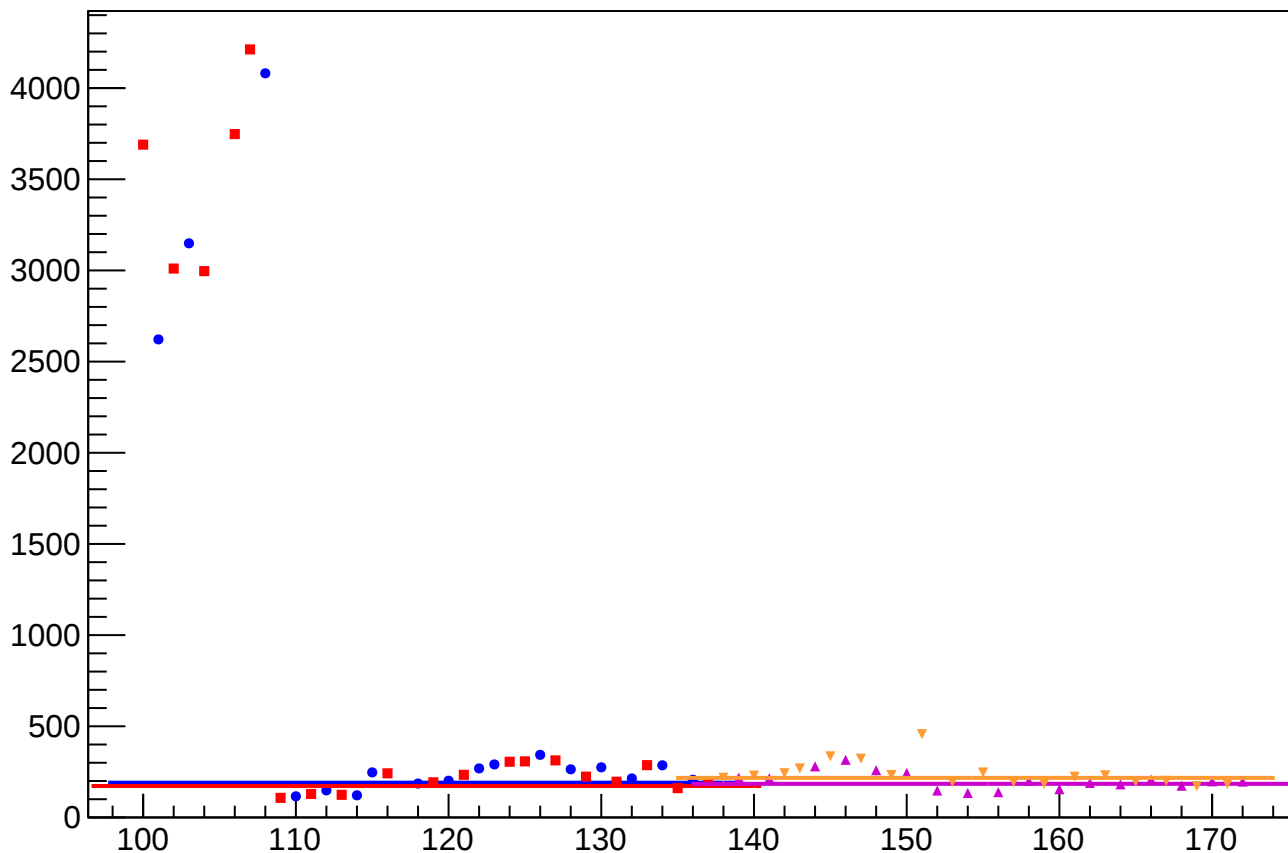
Right: 48.642+/-59.518 χ^2/NDF : 25.9/35

In: 50.897+/-45.583 χ^2/NDF : 19.5/33

Out: -5.562+/-48.752 χ^2/NDF : 18.1/36

All: 24.562+/-33.296 χ^2/NDF : 38.2/70

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: 217.104+/-0.043 χ^2/NDF : 1151457.0/17

Right Out: 172.629+/-0.057 χ^2/NDF : 4218625.1/18

Left In: 184.452+/-0.038 χ^2/NDF : 1319240.3/16

Left: 198.527+/-0.028 χ^2/NDF : 2794766.0/34

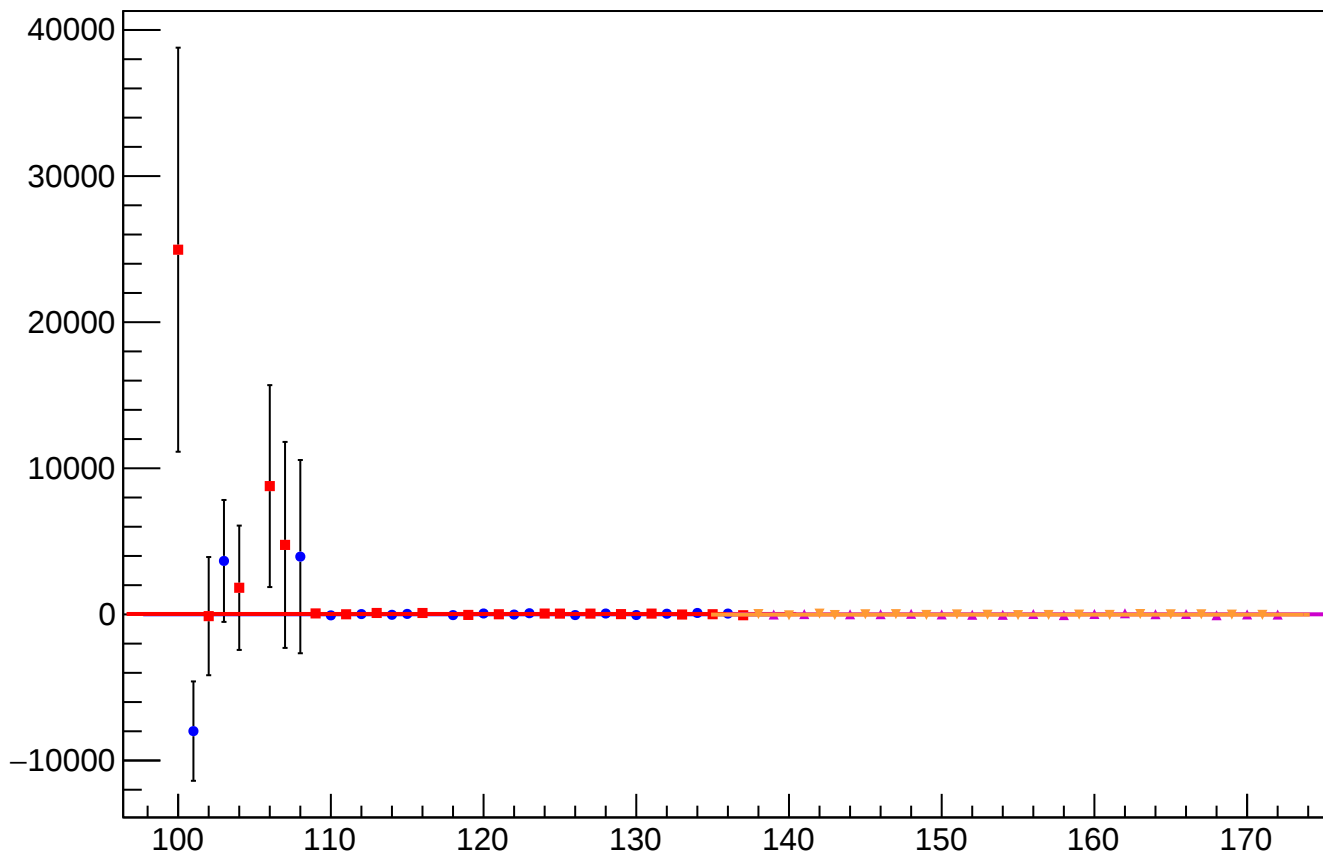
Right: 180.899+/-0.042 χ^2/NDF : 7849745.6/35

In: 186.141+/-0.032 χ^2/NDF : 4911800.0/33

Out: 200.867+/-0.034 χ^2/NDF : 5755888.0/36

All: 193.010+/-0.024 χ^2/NDF : 10765047.2/70

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 8.600 $\pm$ 12.368 χ^2 /NDF: 23.2/16

Left Out: -13.679 $\pm$ 7.931 χ^2 /NDF:11.8/17

Right Out: 29.397 $\pm$ 12.333 χ^2 /NDF: 16.8/18

Left In: 5.769 $\pm$ 7.992 χ^2 /NDF:17.6/16

Left: -4.029 $\pm$ 5.630 χ^2 /NDF: 32.4/34

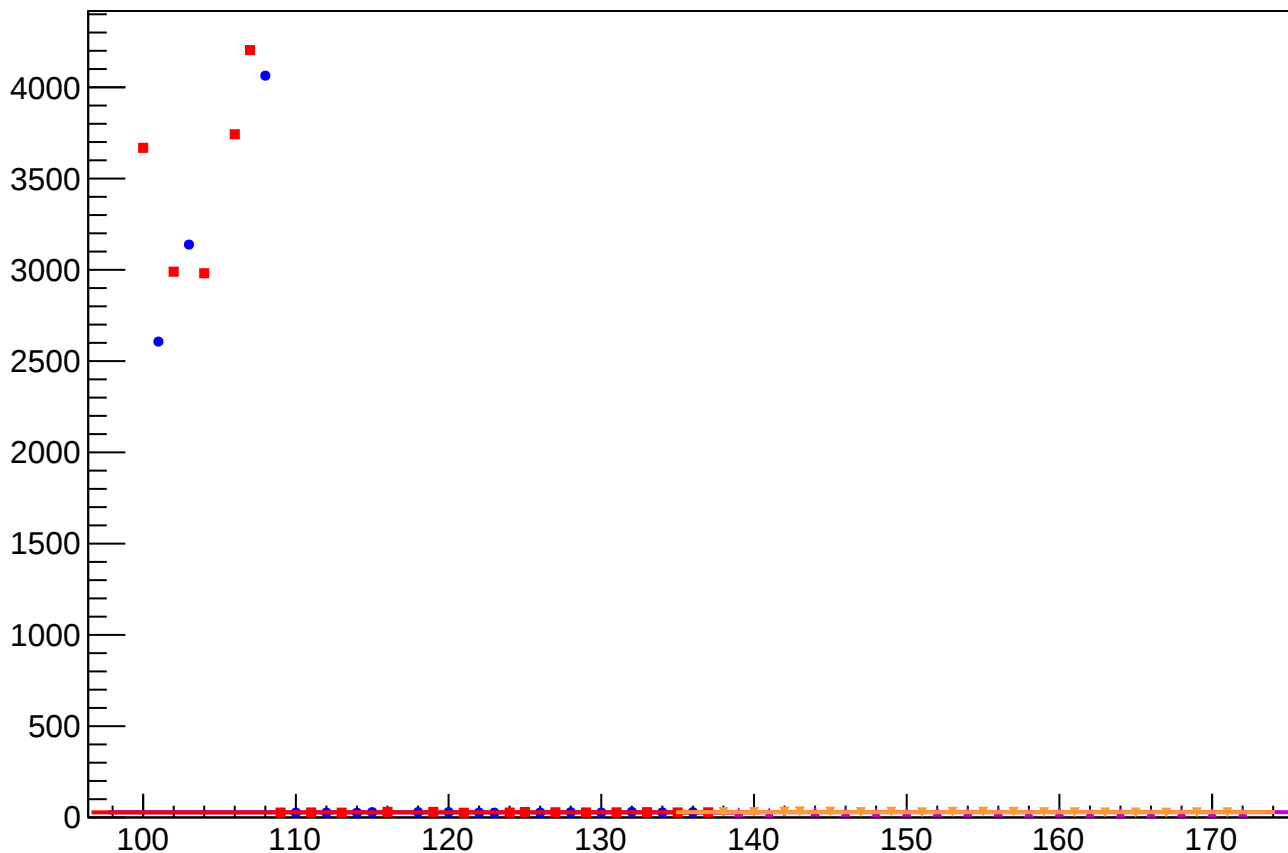
Right: 19.027 $\pm$ 8.733 χ^2 /NDF: 41.4/35

In: 6.603 $\pm$ 6.712 χ^2 /NDF:40.9/33

Out: -1.077 $\pm$ 6.671 χ^2 /NDF:37.2/36

All: 2.739 $\pm$ 4.732 χ^2 /NDF: 78.8/70

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: 29.074+/-0.006 χ^2/NDF :102128.8/17

Right Out: 27.918+/-0.009 χ^2/NDF : 3479690.8/18

Left In: 28.991+/-0.006 χ^2/NDF :112352.0/16

Left: 29.033+/-0.004 χ^2/NDF : 214589.9/34

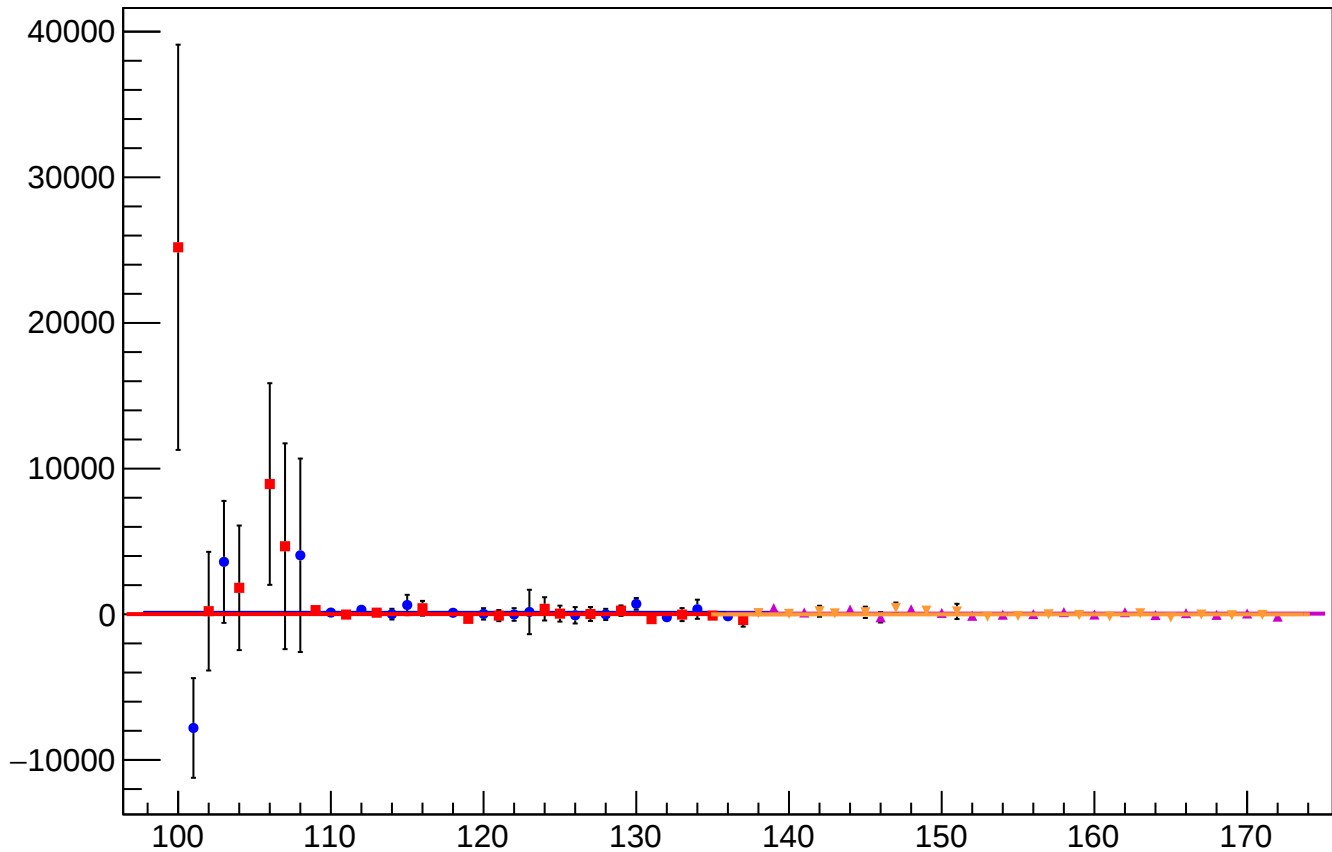
Right: 27.981+/-0.006 χ^2/NDF : 6507693.6/35

In: 28.712+/-0.005 χ^2/NDF :3148530.4/33

Out: 28.736+/-0.005 χ^2/NDF :3594262.4/36

All: 28.724+/-0.003 χ^2/NDF : 6742805.5/70

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: -5.841+/-61.914 χ^2/NDF : 5.1/17

Right Out: 11.728+/-81.772 χ^2/NDF : 12.3/18

Left In: 44.019+/-54.005 χ^2/NDF : 7.0/16

Left: 22.476+/-40.698 χ^2/NDF : 12.4/34

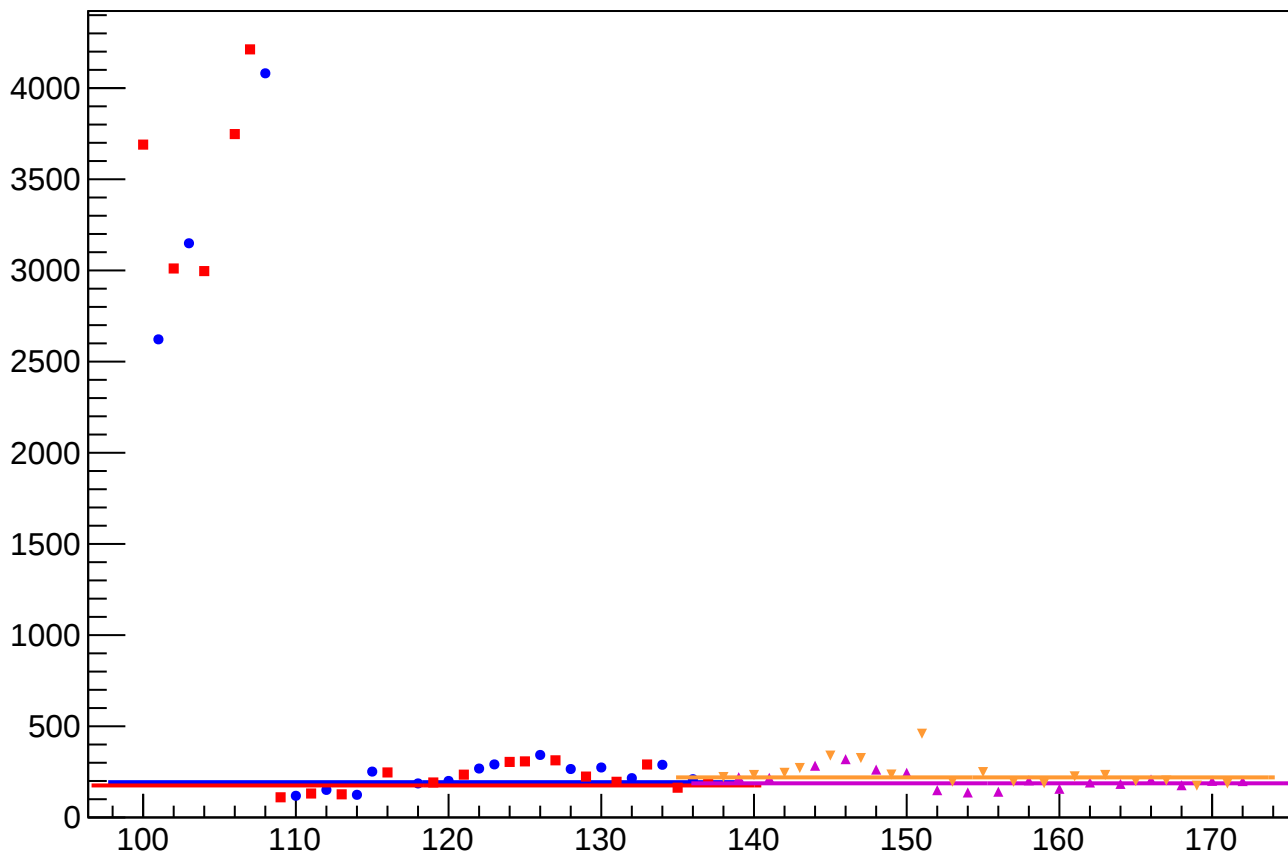
Right: 51.186+/-60.278 χ^2/NDF : 25.3/35

In: 58.536+/-46.198 χ^2/NDF : 19.8/33

Out: 0.561+/-49.361 χ^2/NDF : 17.4/36

All: 31.466+/-33.730 χ^2/NDF : 37.9/70

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: 219.811+/-0.044 χ^2/NDF : 1137892.2/17

Right Out: 175.509+/-0.058 χ^2/NDF : 4165575.9/18

Left In: 187.217+/-0.038 χ^2/NDF : 1289753.2/16

Left: 201.300+/-0.029 χ^2/NDF : 2742411.1/34

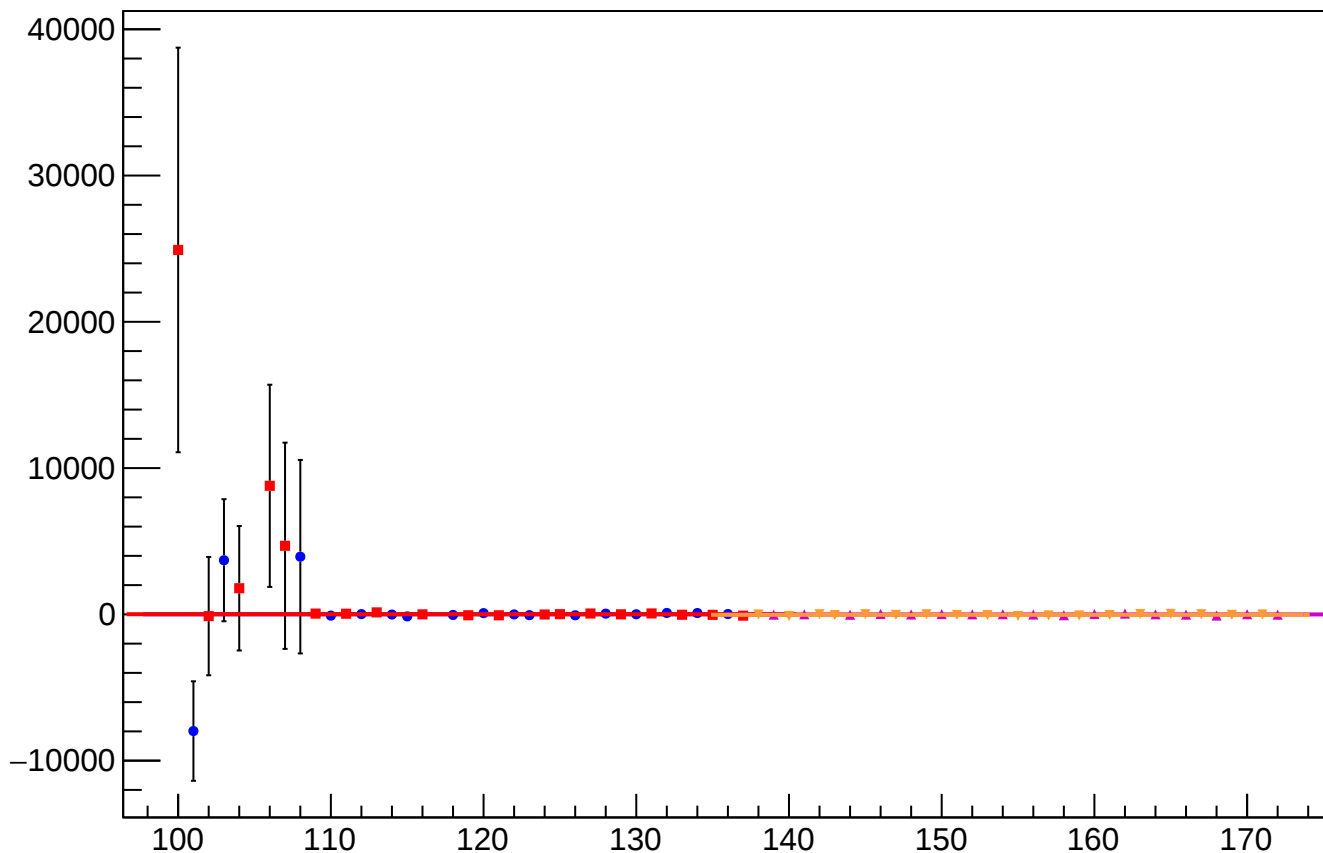
Right: 183.732+/-0.043 χ^2/NDF : 7746808.4/35

In: 188.907+/-0.033 χ^2/NDF : 4833998.7/33

Out: 203.668+/-0.035 χ^2/NDF : 5676583.9/36

All: 195.799+/-0.024 χ^2/NDF : 10605919.9/70

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.565 $\pm$ 15.052 χ^2 /NDF: 20.4/16

Left Out: -29.500 $\pm$ 9.449 χ^2 /NDF:19.9/17

Right Out: 12.158 $\pm$ 14.952 χ^2 /NDF: 21.9/18

Left In: -3.444 $\pm$ 9.550 χ^2 /NDF:12.0/16

Left: -16.610 $\pm$ 6.717 χ^2 /NDF: 35.7/34

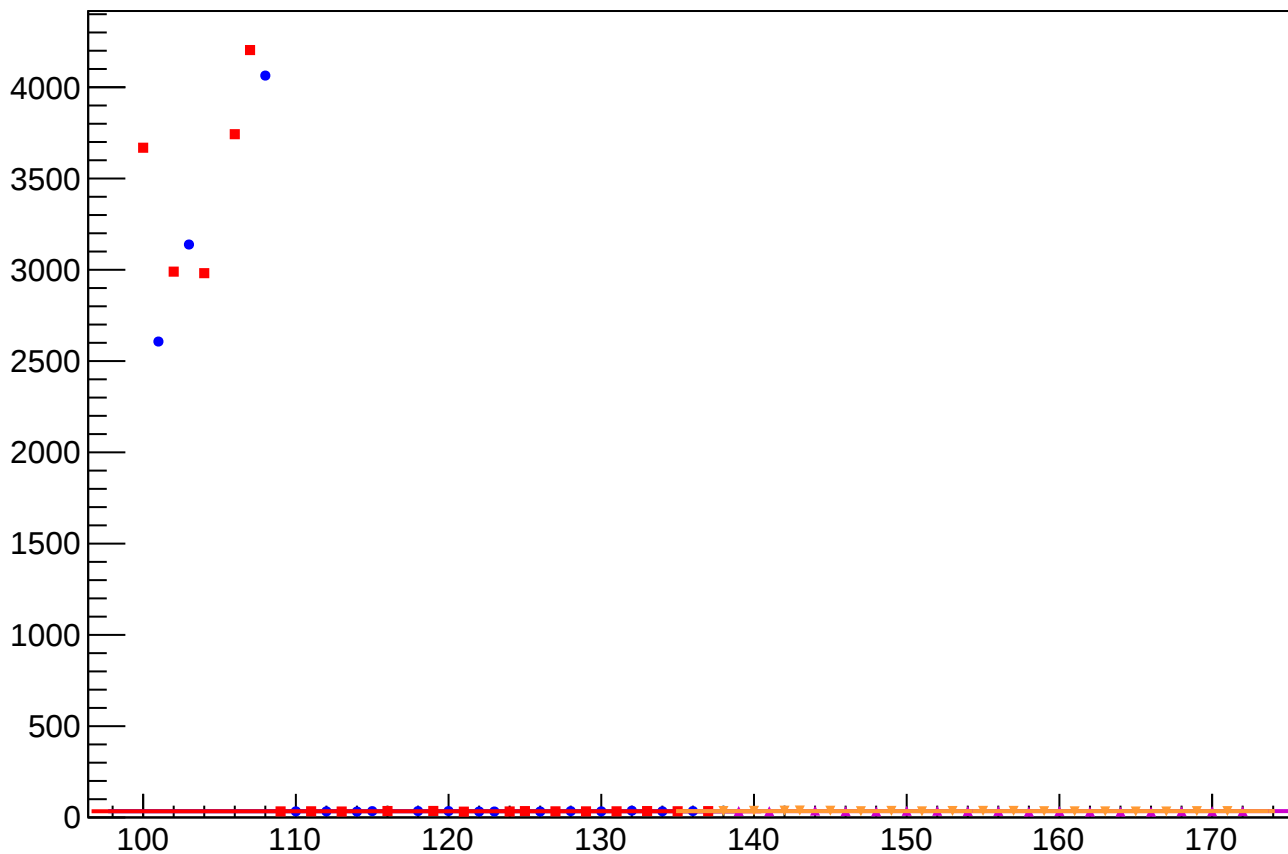
Right: 8.883 $\pm$ 10.608 χ^2 /NDF: 42.5/35

In: -0.858 $\pm$ 8.064 χ^2 /NDF:32.7/33

Out: -17.611 $\pm$ 7.988 χ^2 /NDF:47.4/36

All: -9.314 $\pm$ 5.675 χ^2 /NDF: 82.3/70

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 34.168 $\pm$ 0.011 χ^2 /NDF: 3006512.8/16

Left Out: 34.699 $\pm$ 0.007 χ^2 /NDF: 46889.6/17

Right Out: 33.913 $\pm$ 0.011 χ^2 /NDF: 3451912.6/18

Left In: 34.709 $\pm$ 0.007 χ^2 /NDF: 52025.1/16

Left: 34.704 $\pm$ 0.005 χ^2 /NDF: 98915.7/34

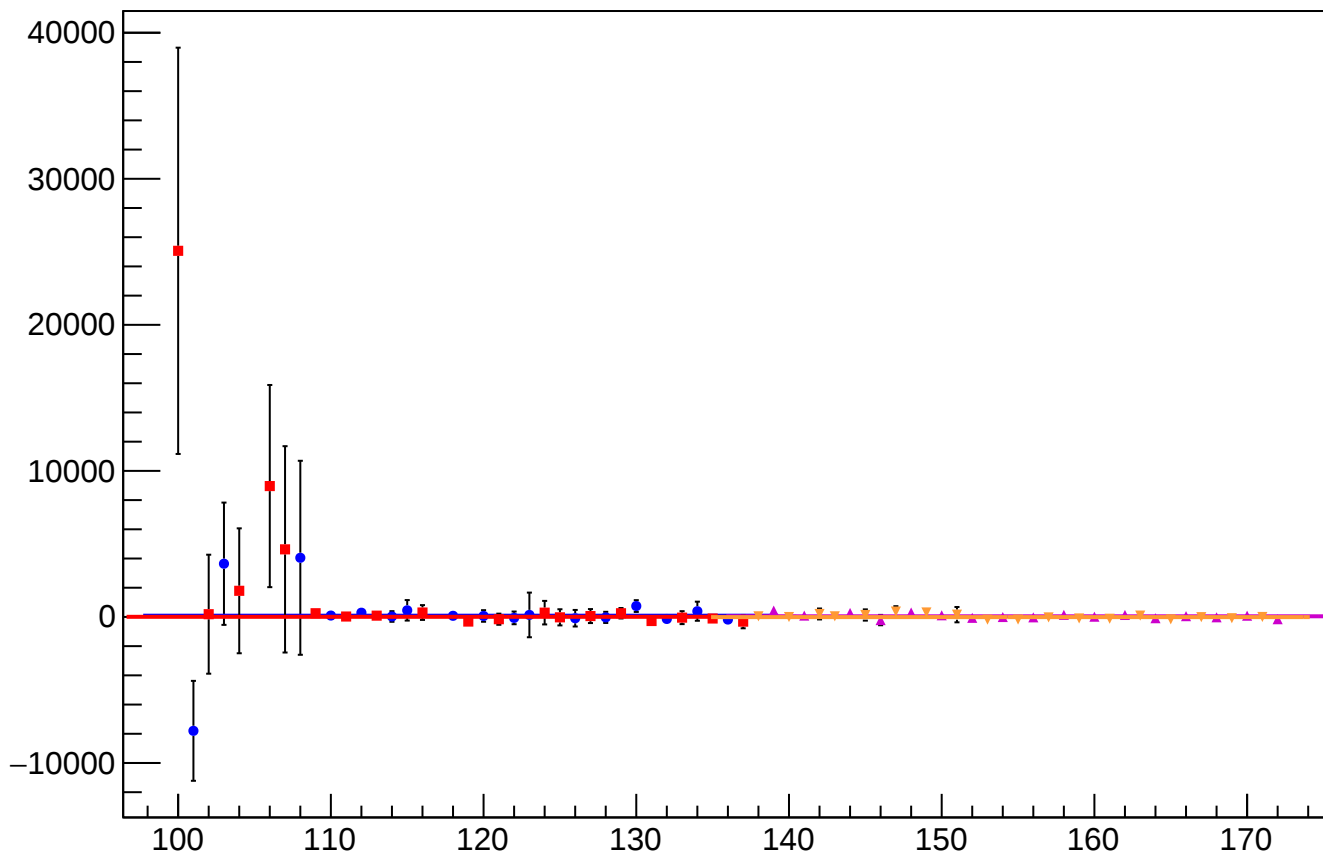
Right: 34.039 $\pm$ 0.008 χ^2 /NDF: 6458714.0/35

In: 34.554 $\pm$ 0.006 χ^2 /NDF: 3060383.7/33

Out: 34.475 $\pm$ 0.006 χ^2 /NDF: 3502759.0/36

All: 34.514 $\pm$ 0.004 χ^2 /NDF: 6563238.9/70

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: -12.033+/-61.791 χ^2/NDF : 5.1/17

Right Out: 8.565+/-81.257 χ^2/NDF : 11.1/18

Left In: 44.357+/-53.864 χ^2/NDF : 6.3/16

Left: 20.009+/-40.603 χ^2/NDF : 11.9/34

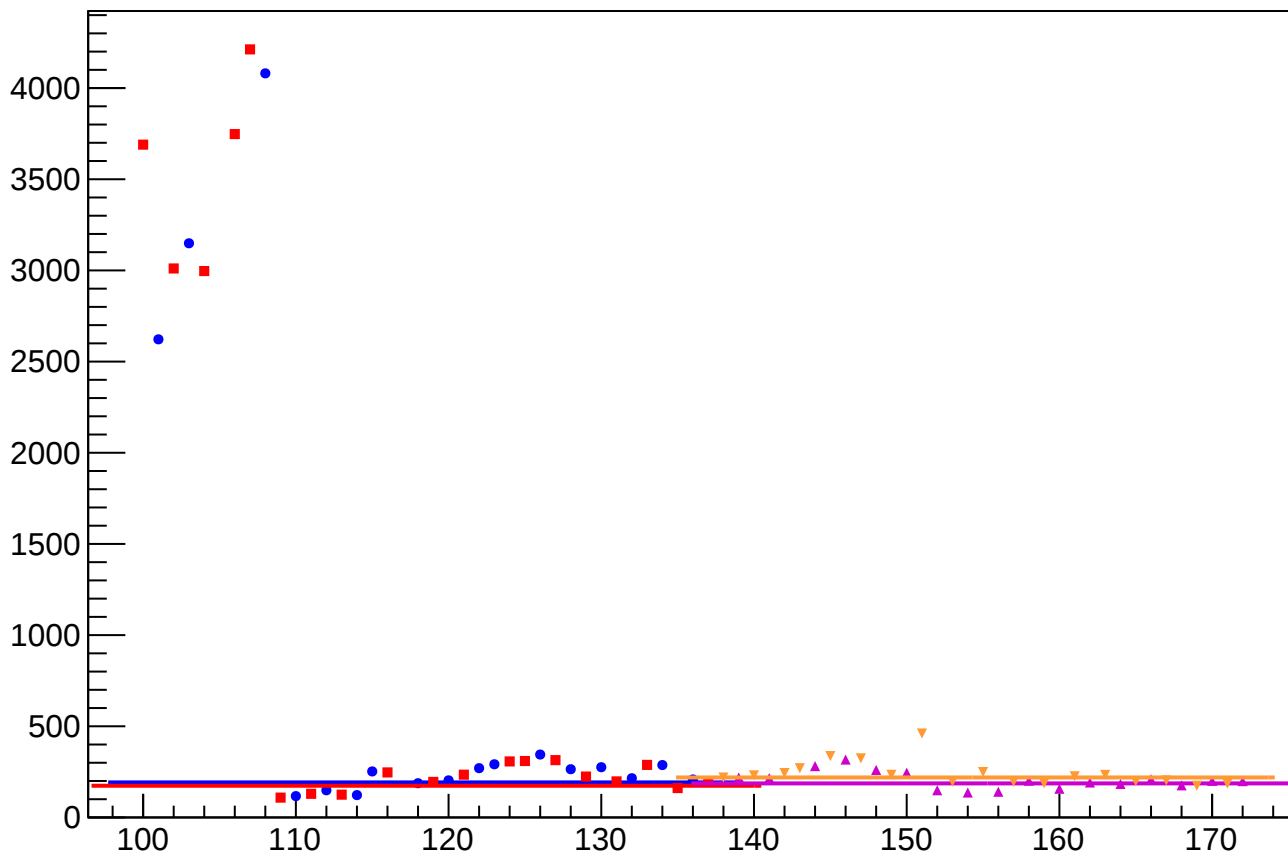
Right: 43.196+/-59.931 χ^2/NDF : 24.0/35

In: 55.165+/-46.046 χ^2/NDF : 19.0/33

Out: -4.486+/-49.185 χ^2/NDF : 16.2/36

All: 27.304+/-33.615 χ^2/NDF : 36.0/70

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: 219.389+/-0.044 χ^2/NDF : 1129018.2/17

Right Out: 173.961+/-0.057 χ^2/NDF : 4211616.2/18

Left In: 186.736+/-0.038 χ^2/NDF : 1277721.3/16

Left: 200.835+/-0.029 χ^2/NDF : 2724081.3/34

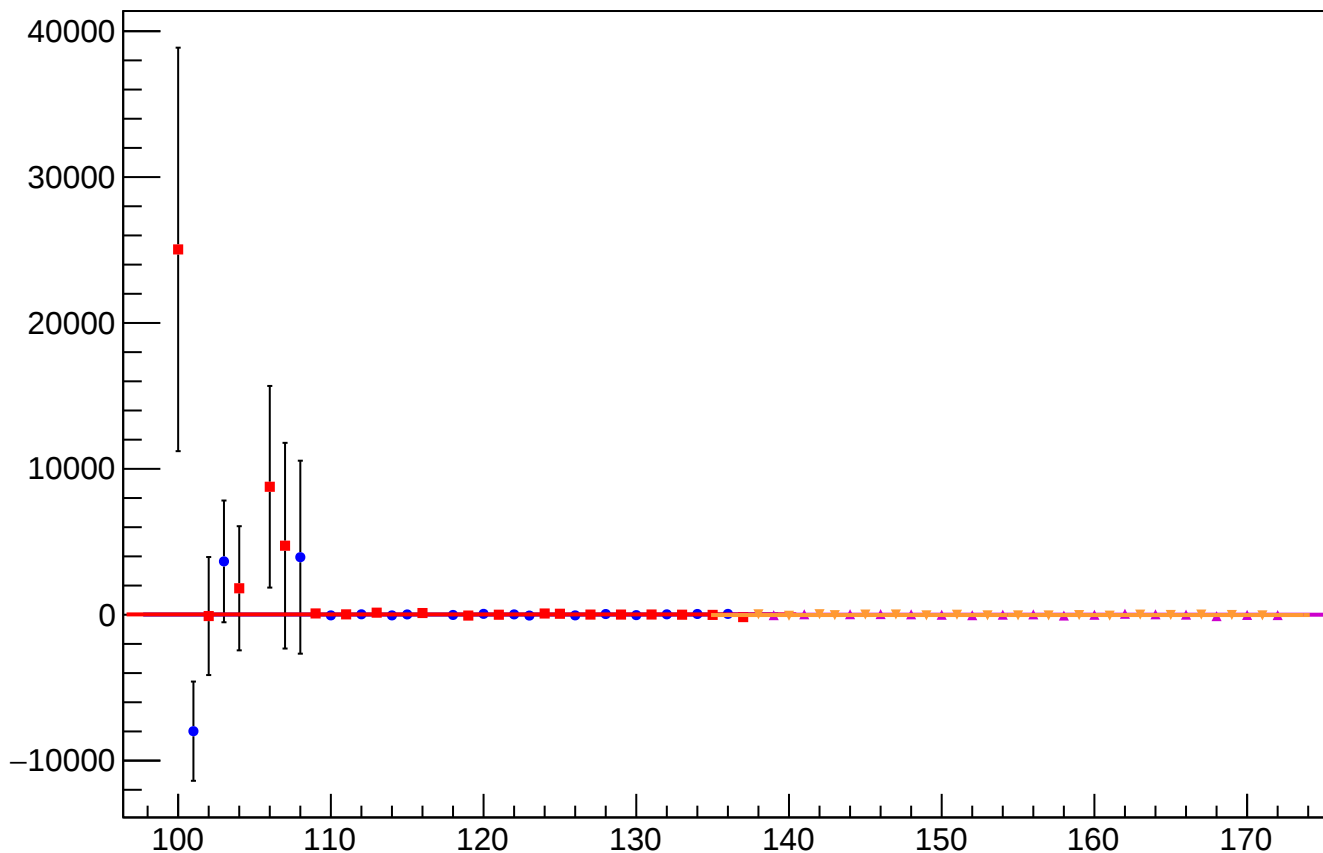
Right: 182.268+/-0.042 χ^2/NDF : 7832071.5/35

In: 188.201+/-0.033 χ^2/NDF : 4857831.7/33

Out: 202.744+/-0.035 χ^2/NDF : 5736710.1/36

All: 194.994+/-0.024 χ^2/NDF : 10687725.6/70

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: -21.126+/-8.563 χ^2/NDF :12.5/17

Right Out: 22.618+/-13.660 χ^2/NDF : 28.0/18

Left In: 1.578+/-8.625 χ^2/NDF :22.0/16

Left: -9.857+/-6.077 χ^2/NDF : 38.0/34

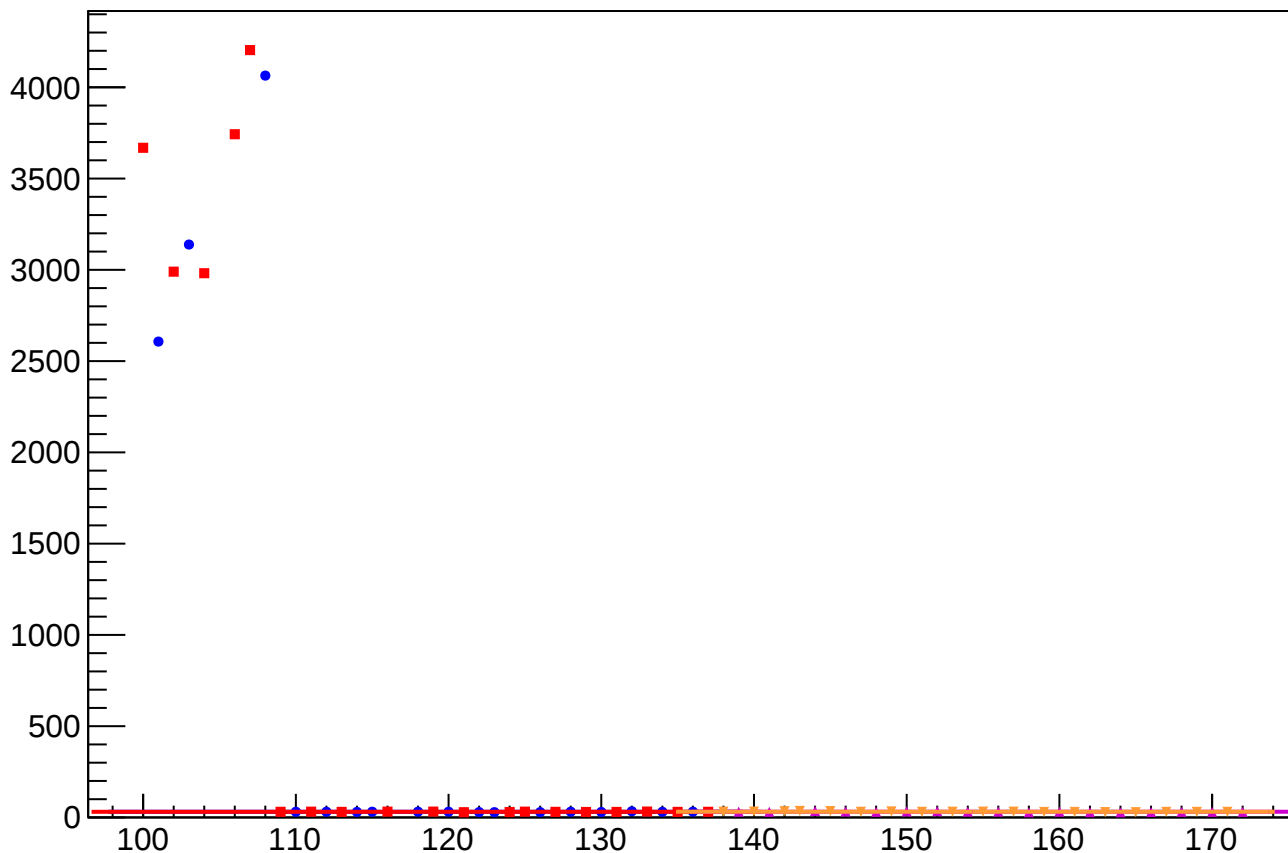
Right: 17.707+/-9.681 χ^2/NDF : 42.9/35

In: 4.742+/-7.303 χ^2/NDF :37.1/33

Out: -8.787+/-7.255 χ^2/NDF :47.8/36

All: -2.067+/-5.147 χ^2/NDF : 86.7/70

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: 31.412+/-0.006 χ^2/NDF : 73693.4/17

Right Out: 30.963+/-0.010 χ^2/NDF : 3458924.5/18

Left In: 31.304+/-0.006 χ^2/NDF : 81610.5/16

Left: 31.358+/-0.004 χ^2/NDF : 155461.9/34

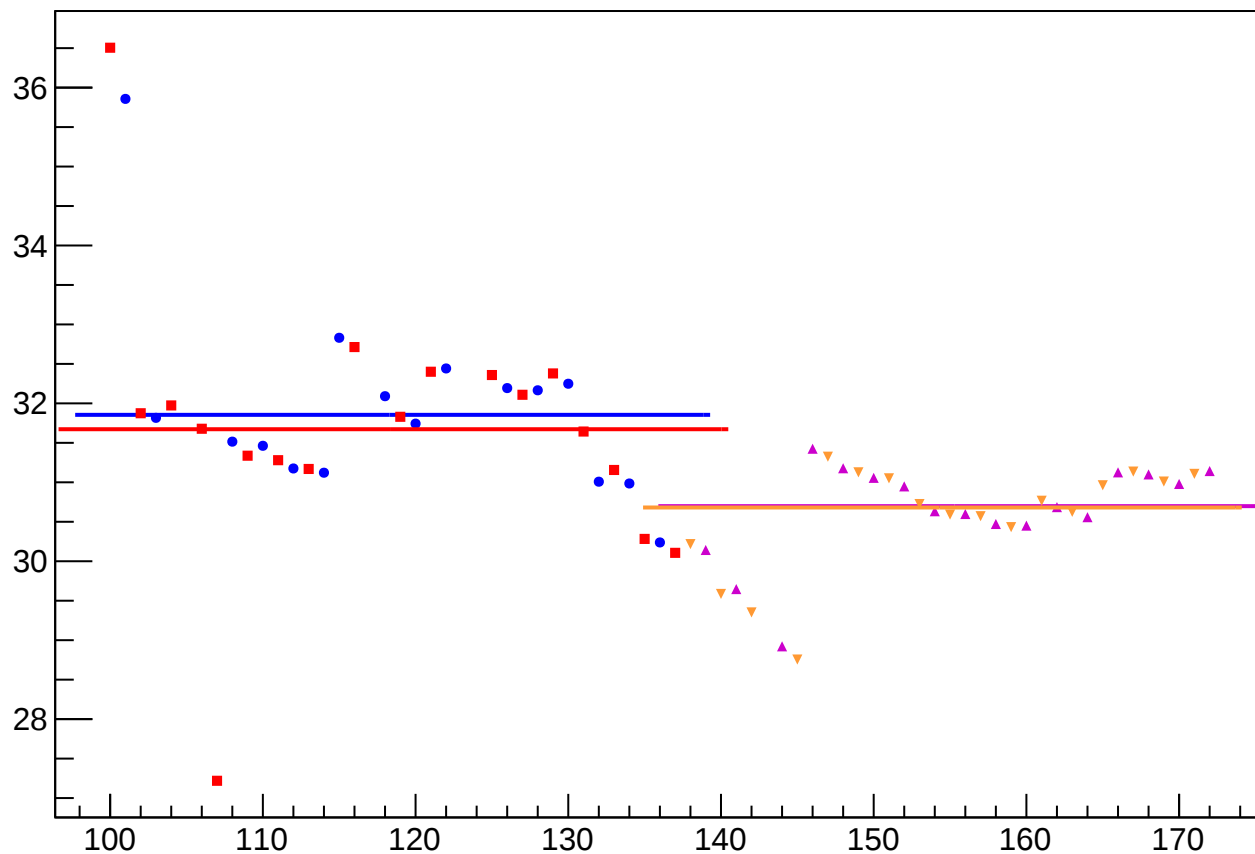
Right: 31.057+/-0.007 χ^2/NDF : 6473633.0/35

In: 31.261+/-0.005 χ^2/NDF : 3096299.1/33

Out: 31.285+/-0.005 χ^2/NDF : 3534172.7/36

All: 31.273+/-0.004 χ^2/NDF : 6630482.7/70

yield_usl_mean vs Slug, Sign Corrected



Right In: 31.855+/-0.000

χ^2/NDF : 1570522165.5/15

Left Out: 30.681+/-0.000

χ^2/NDF : 696018017.0/16

Right Out: 31.672+/-0.000

χ^2/NDF : 917899841.8/17

Left In: 30.698+/-0.000

χ^2/NDF : 661164101.1/16

Left: 30.690+/-0.000

χ^2/NDF : 1357470093.2/33

Right: 31.765+/-0.000

χ^2/NDF : 2508641774.0/33

In: 31.144+/-0.000

χ^2/NDF : 3253346133.3/32

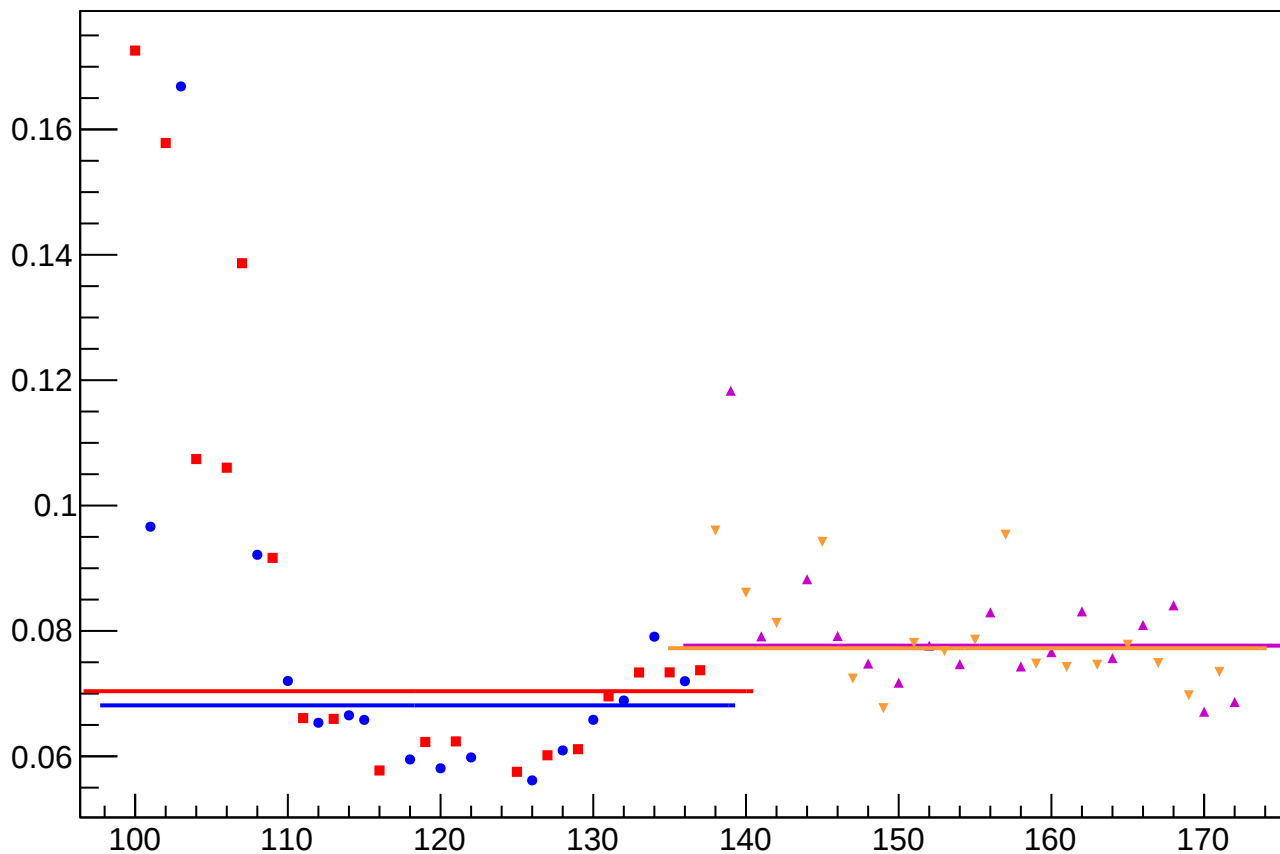
Out: 31.059+/-0.000

χ^2/NDF : 2340518704.0/34

All: 31.102+/-0.000

χ^2/NDF : 5605559113.6/66

yield_usl_rms vs Slug, Sign Corrected



Right In: 0.068 $\pm$ 0.000 χ^2 /NDF: 629767.4/15

Left Out: 0.077 $\pm$ 0.000 χ^2 /NDF:224188.4/16

Right Out: 0.070 $\pm$ 0.000 χ^2 /NDF: 841320.1/17

Left In: 0.078 $\pm$ 0.000 χ^2 /NDF:289108.5/16

Left: 0.077 $\pm$ 0.000 χ^2 /NDF: 513631.3/33

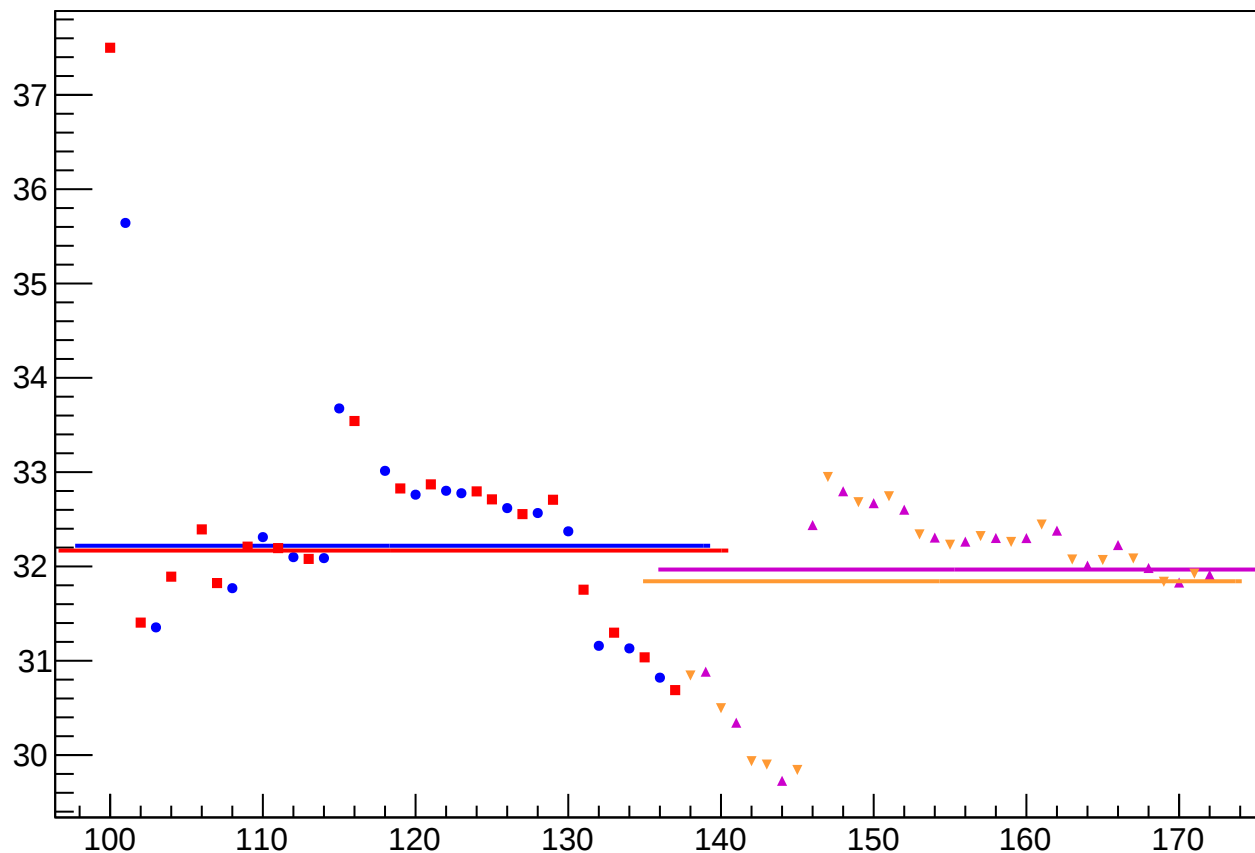
Right: 0.069 $\pm$ 0.000 χ^2 /NDF: 1477315.9/33

In: 0.074 $\pm$ 0.000 χ^2 /NDF:1057493.5/32

Out: 0.075 $\pm$ 0.000 χ^2 /NDF:1134905.8/34

All: 0.074 $\pm$ 0.000 χ^2 /NDF: 2193754.9/67

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.220+/-0.000 χ^2/NDF : 1013864543.3/16

Left Out: 31.843+/-0.000 χ^2/NDF : 1826778677.7/17

Right Out: 32.168+/-0.000 χ^2/NDF : 442298310.3/18

Left In: 31.967+/-0.000 χ^2/NDF : 1403491414.4/16

Left: 31.905+/-0.000 χ^2/NDF : 3245894007.4/34

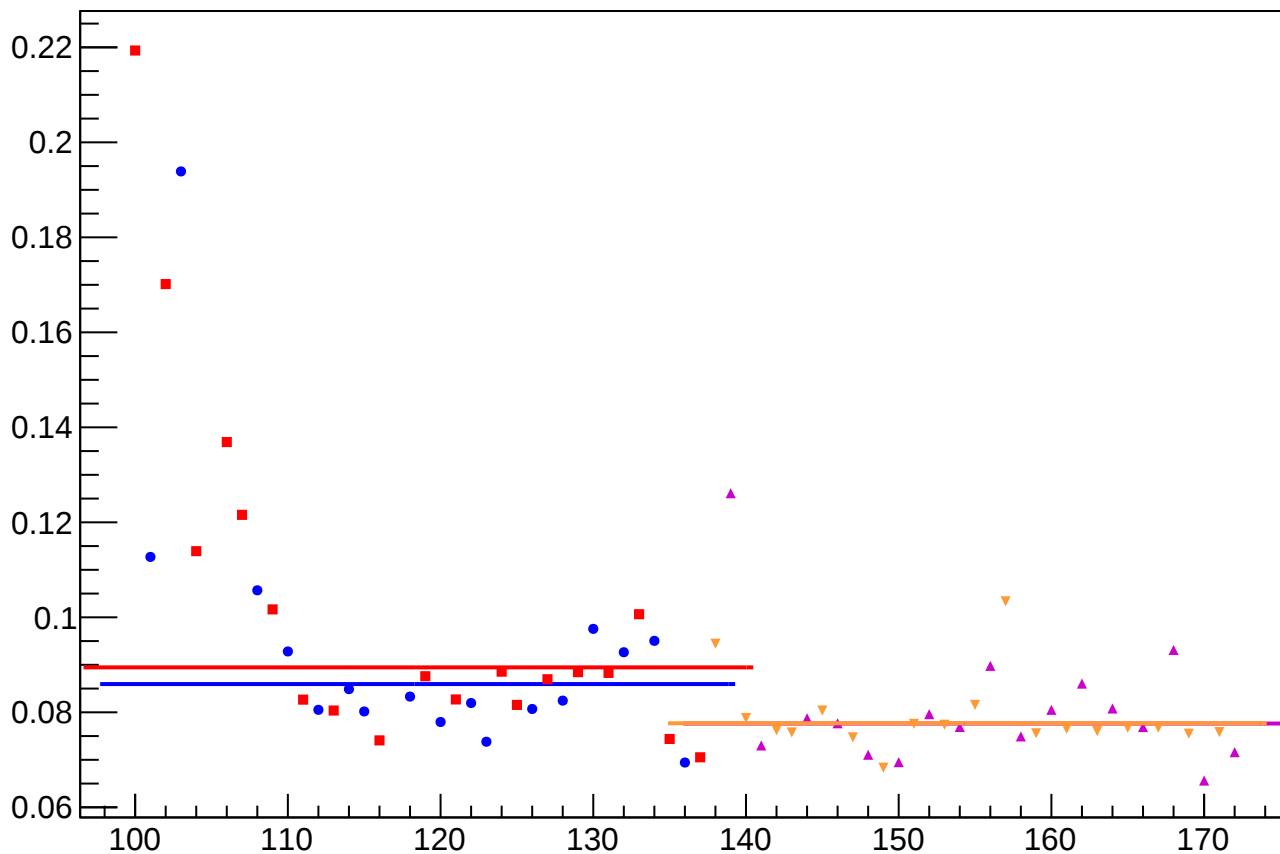
Right: 32.194+/-0.000 χ^2/NDF : 1457173552.7/35

In: 32.038+/-0.000 χ^2/NDF : 2453246583.3/33

Out: 31.932+/-0.000 χ^2/NDF : 2328121240.4/36

All: 31.985+/-0.000 χ^2/NDF : 4797061207.5/77

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.086+/-0.000 χ^2/NDF : 553280.3/16

Left Out: 0.078+/-0.000 χ^2/NDF : 163024.5/17

Right Out: 0.089+/-0.000 χ^2/NDF : 539869.9/18

Left In: 0.078+/-0.000 χ^2/NDF : 398734.9/16

Left: 0.078+/-0.000 χ^2/NDF : 561764.8/34

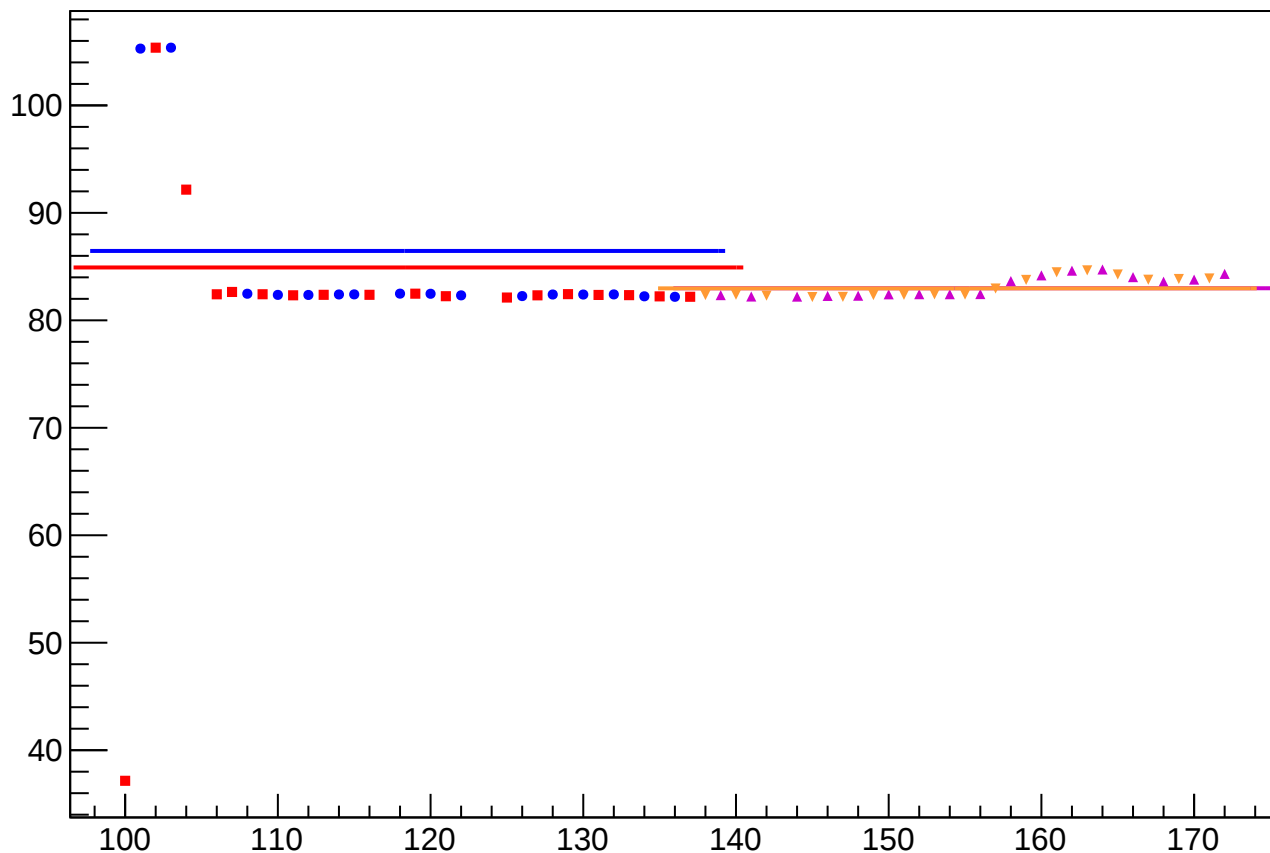
Right: 0.088+/-0.000 χ^2/NDF : 1102728.3/35

In: 0.080+/-0.000 χ^2/NDF : 1029900.9/33

Out: 0.081+/-0.000 χ^2/NDF : 857233.8/36

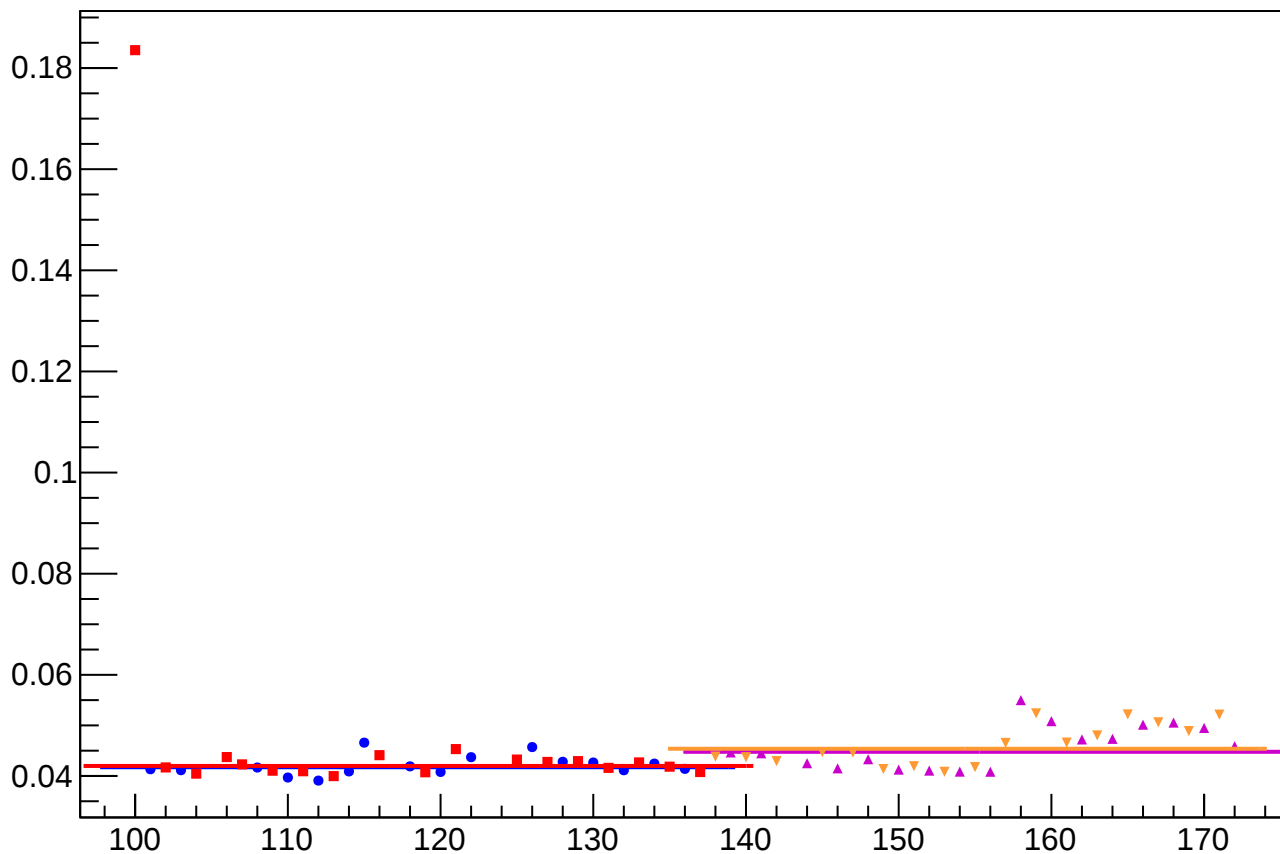
All: 0.080+/-0.000 χ^2/NDF : 1889635.7/70

yield_dsl_mean vs Slug, Sign Corrected



Right In: 86.457+/-0.000	χ^2/NDF : 291421048436.2/15	Left: 82.980+/-0.000	χ^2/NDF : 9514840993.1/33
Left Out: 82.975+/-0.000	χ^2/NDF : 4447507882.1/16	Right: 85.675+/-0.000	χ^2/NDF : 468146833571.9/33
Right Out: 84.920+/-0.000	χ^2/NDF : 172195187677.7/17	In: 84.270+/-0.000	χ^2/NDF : 325104766650.7/32
Left In: 82.985+/-0.000	χ^2/NDF : 5067037640.8/16	Out: 83.739+/-0.000	χ^2/NDF : 185605957181.4/34
		All: 84.008+/-0.000	χ^2/NDF : 512125475364.0

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.042 $\pm$ 0.000 χ^2 /NDF: 18887.0/15

Left Out: 0.045 $\pm$ 0.000 χ^2 /NDF:167517.6/16

Right Out: 0.042 $\pm$ 0.000 χ^2 /NDF: 96869.3/17

Left In: 0.045 $\pm$ 0.000 χ^2 /NDF:204334.4/16

Left: 0.045 $\pm$ 0.000 χ^2 /NDF: 374110.6/33

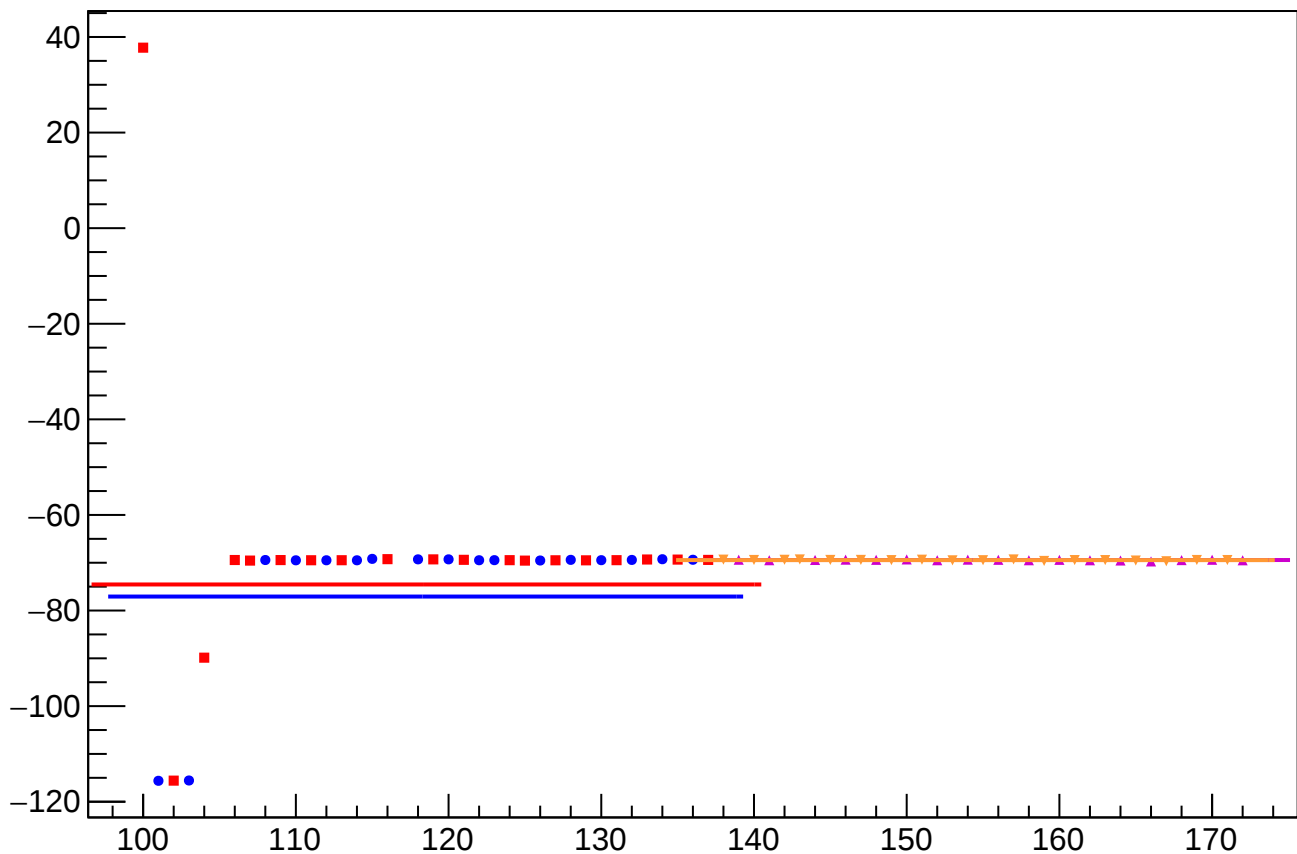
Right: 0.042 $\pm$ 0.000 χ^2 /NDF: 116001.6/33

In: 0.044 $\pm$ 0.000 χ^2 /NDF:267445.6/32

Out: 0.044 $\pm$ 0.000 χ^2 /NDF:319245.2/34

All: 0.044 $\pm$ 0.000 χ^2 /NDF: 588263.2/67

yield_dsr_mean vs Slug, Sign Corrected



Right In: -77.074+/-0.000 χ^2/NDF : 565391865606.1/16

Left Out: -69.449+/-0.000 χ^2/NDF : 39384662.4/17

Right Out: -74.547+/-0.000 χ^2/NDF : 371890102737.4/18

Left In: -69.431+/-0.000 χ^2/NDF : 32449855.5/16

Left: -69.440+/-0.000 χ^2/NDF : 72529323.7/34

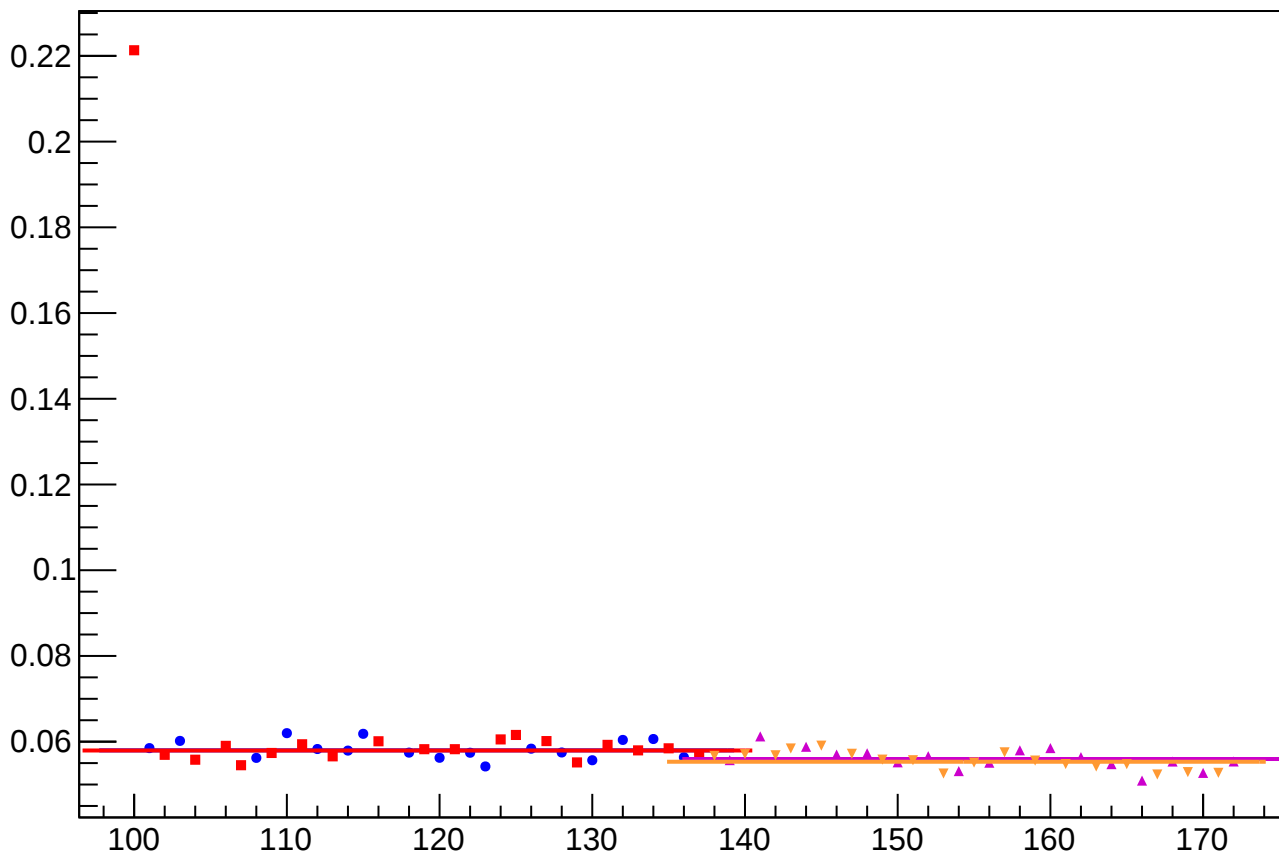
Right: -75.769+/-0.000 χ^2/NDF : 943595296169.5/3

In: -71.873+/-0.000 χ^2/NDF : 641546109056.2/33

Out: -71.104+/-0.000 χ^2/NDF : 407775444535.2/36

All: -71.479+/-0.000 χ^2/NDF : 105113910018

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 :33227.6/17

Right Out: 0.058+/-0.000 χ^2/NDF : 86466.5/18

Left In: 0.056+/-0.000 χ^2/NDF :44930.1/16

Left: 0.056+/-0.000 χ^2/NDF : 79865.1/34

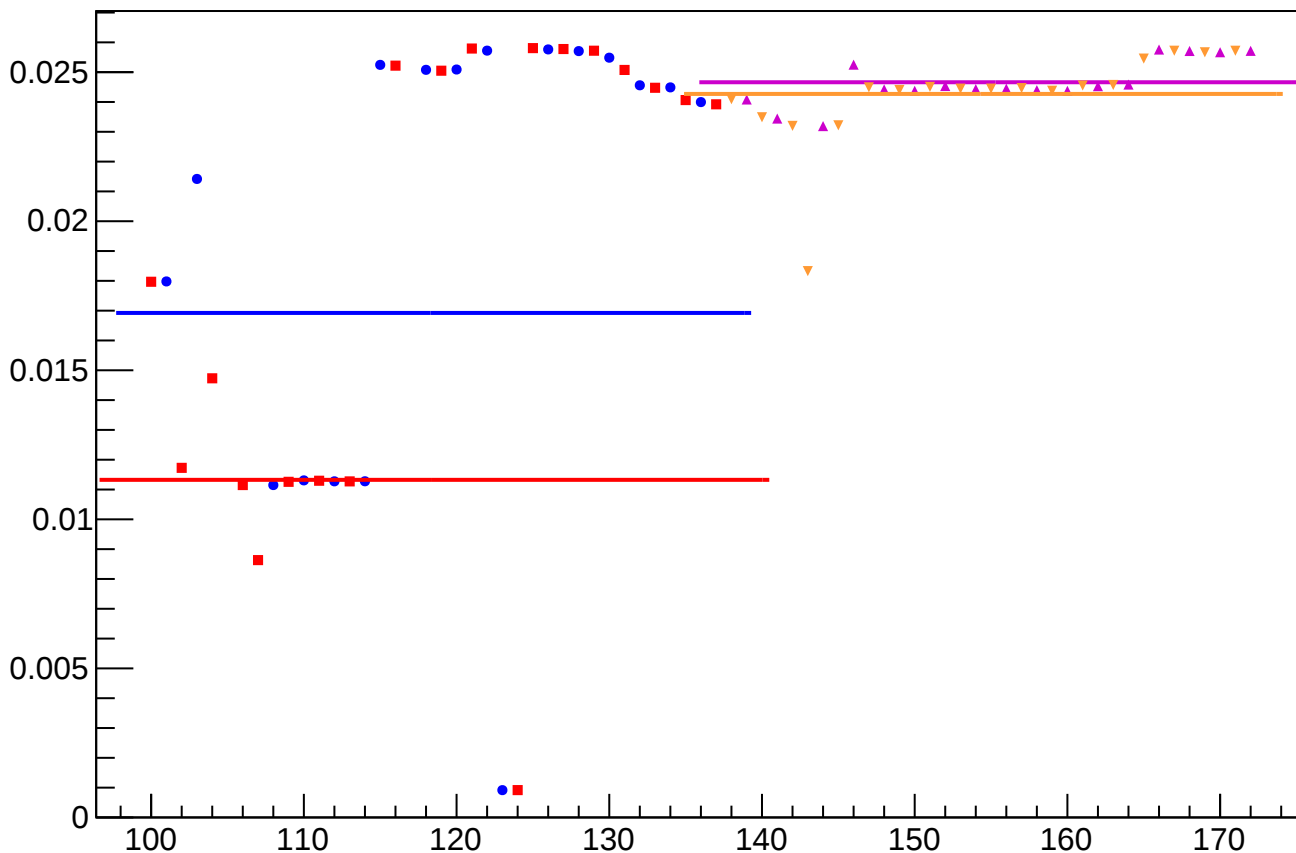
Right: 0.058+/-0.000 χ^2/NDF : 98743.9/35

In: 0.057+/-0.000 χ^2/NDF :67797.0/33

Out: 0.056+/-0.000 χ^2/NDF :138723.8/36

All: 0.056+/-0.000 χ^2/NDF : 207667.6/70

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.000

χ^2/NDF : 126447785006.7/16

Left: 0.024+/-0.000

χ^2/NDF : 8165582081.0/34

Left Out: 0.024+/-0.000

χ^2/NDF : 6669711024.5/17

Right: 0.014+/-0.000

χ^2/NDF : 392122680736.2/35

Right Out: 0.011+/-0.000

χ^2/NDF : 234754769754.2/18

In: 0.022+/-0.000

χ^2/NDF : 188723450171.4/33

Out: 0.018+/-0.000

χ^2/NDF : 452054627627.9/36

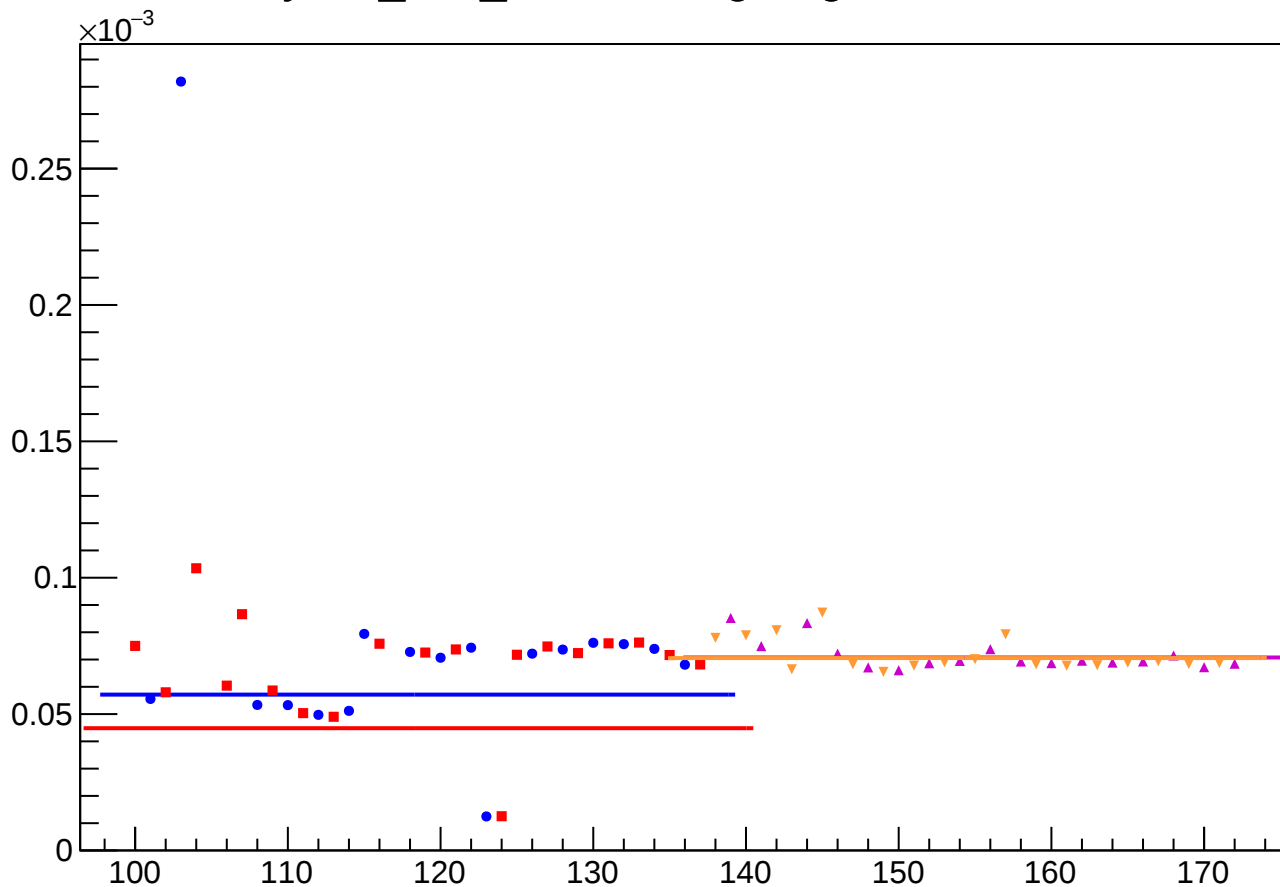
Left In: 0.025+/-0.000

χ^2/NDF : 1295036555.9/16

All: 0.020+/-0.000

χ^2/NDF : 669211381926.7

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 :144006.9/17

Right Out: 0.000+/-0.000 χ^2/NDF : 3592224.4/18

Left In: 0.000+/-0.000 χ^2/NDF :112873.2/16

Left: 0.000+/-0.000 χ^2/NDF : 257002.5/34

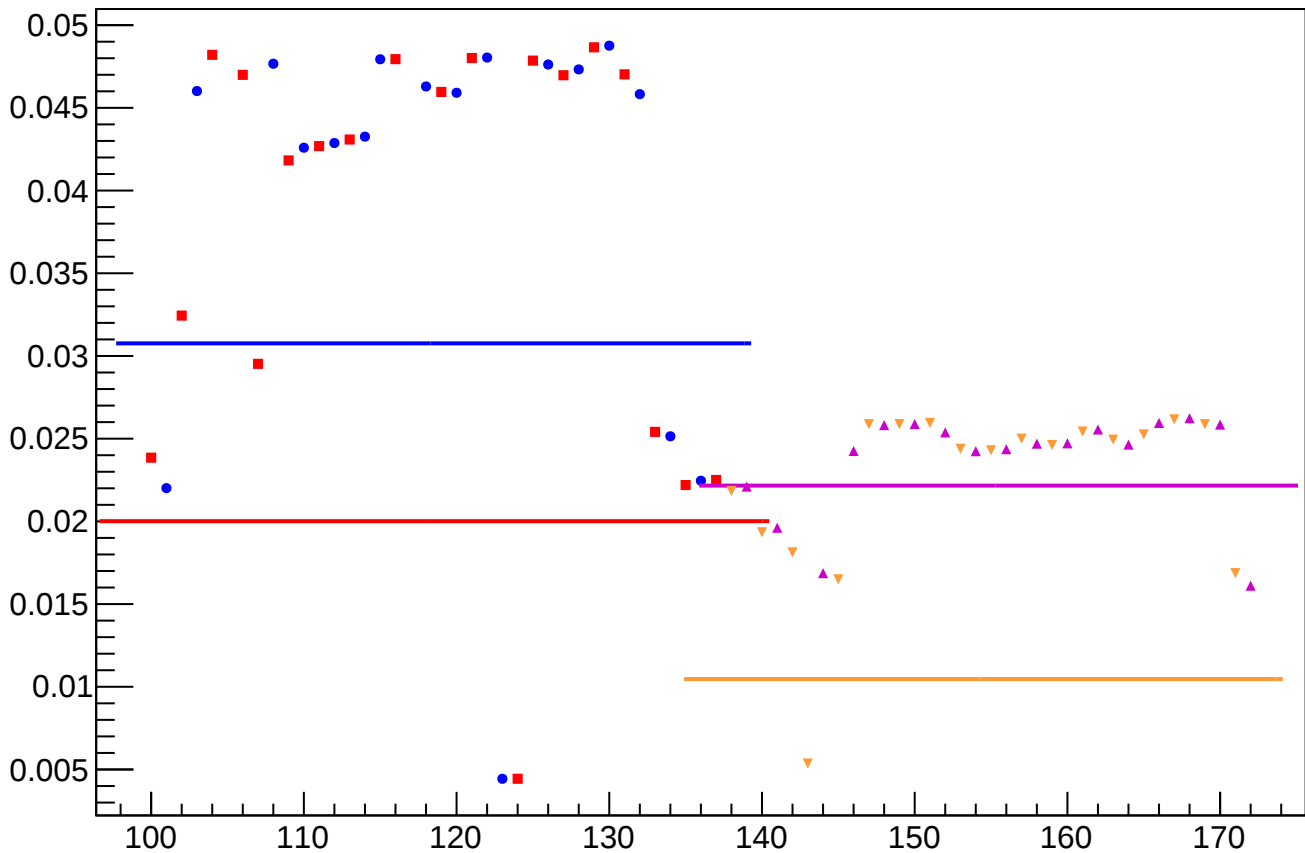
Right: 0.000+/-0.000 χ^2/NDF : 5891779.4/35

In: 0.000+/-0.000 χ^2/NDF :2490838.3/33

Out: 0.000+/-0.000 χ^2/NDF :5398012.4/36

All: 0.000+/-0.000 χ^2/NDF : 8121457.3/70

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.031+/-0.000 χ^2/NDF : 21174738549.0/16

Left Out: 0.010+/-0.000 χ^2/NDF : 32571246096.1/17

Right Out: 0.020+/-0.000 χ^2/NDF : 40011334157.0/18

Left In: 0.022+/-0.000 χ^2/NDF : 2537145099.0/16

Left: 0.013+/-0.000 χ^2/NDF : 51387059393.7/34

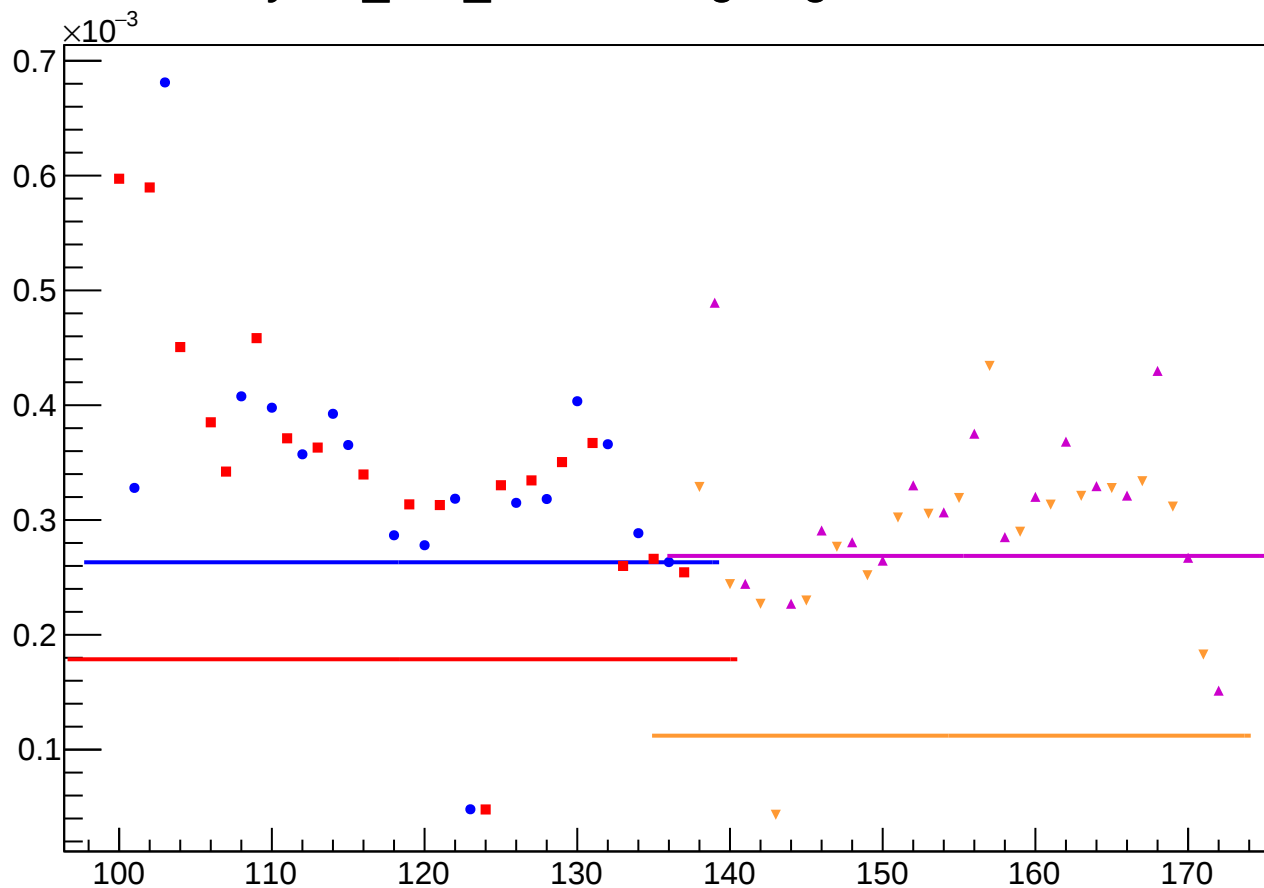
Right: 0.024+/-0.000 χ^2/NDF : 66286425044.9/35

In: 0.025+/-0.000 χ^2/NDF : 27315700127.2/33

Out: 0.012+/-0.000 χ^2/NDF : 81227545014.3/36

All: 0.016+/-0.000 χ^2/NDF : 134684450659.7

yield_atl2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 2401048.9/16

Left Out: 0.000+/-0.000 χ^2/NDF : 11947907.8/17

Right Out: 0.000+/-0.000 χ^2/NDF : 5341022.6/18

Left In: 0.000+/-0.000 χ^2/NDF : 1810537.6/16

Left: 0.000+/-0.000 χ^2/NDF : 19595432.0/34

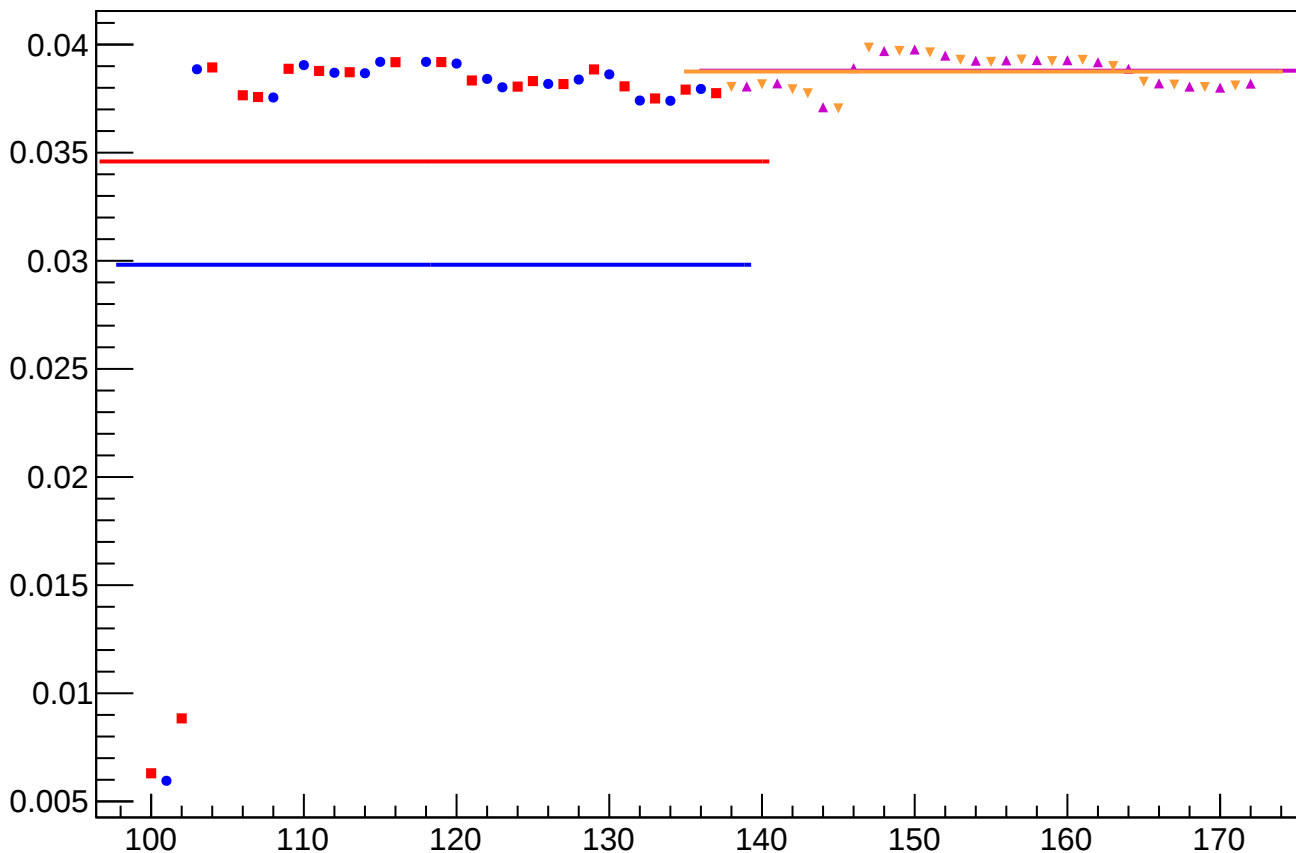
Right: 0.000+/-0.000 χ^2/NDF : 8372315.9/35

In: 0.000+/-0.000 χ^2/NDF : 4214595.6/33

Out: 0.000+/-0.000 χ^2/NDF : 18129307.4/36

All: 0.000+/-0.000 χ^2/NDF : 29050198.1/70

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 97152184939.3/16

Left Out: 0.039+/-0.000 χ^2/NDF : 439273750.3/17

Right Out: 0.035+/-0.000 χ^2/NDF : 43669374279.3/18

Left In: 0.039+/-0.000 χ^2/NDF : 389778183.7/16

Left: 0.039+/-0.000 χ^2/NDF : 829617284.6/34

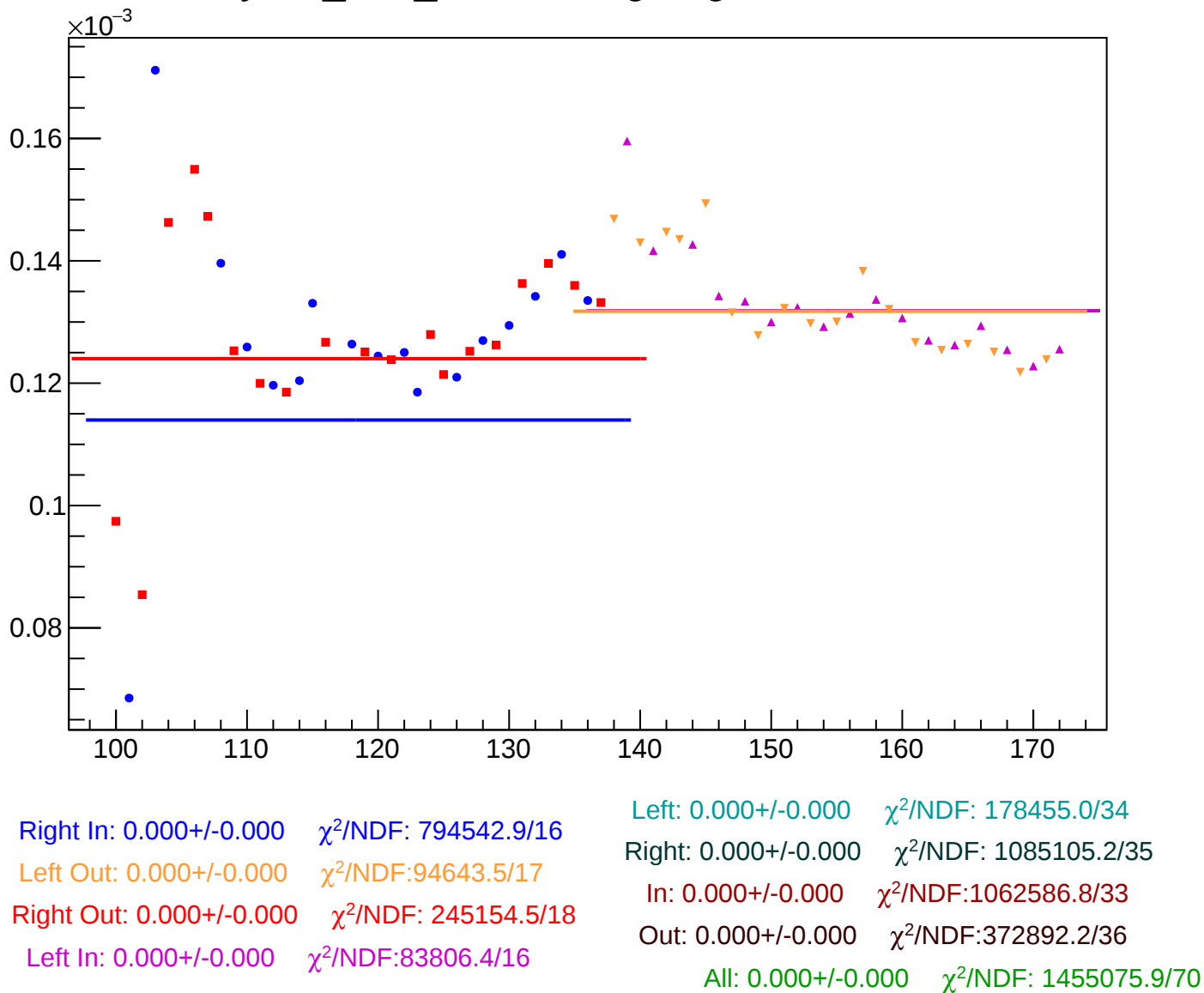
Right: 0.032+/-0.000 χ^2/NDF : 145974720907.4/35

In: 0.035+/-0.000 χ^2/NDF : 120793164553.9/33

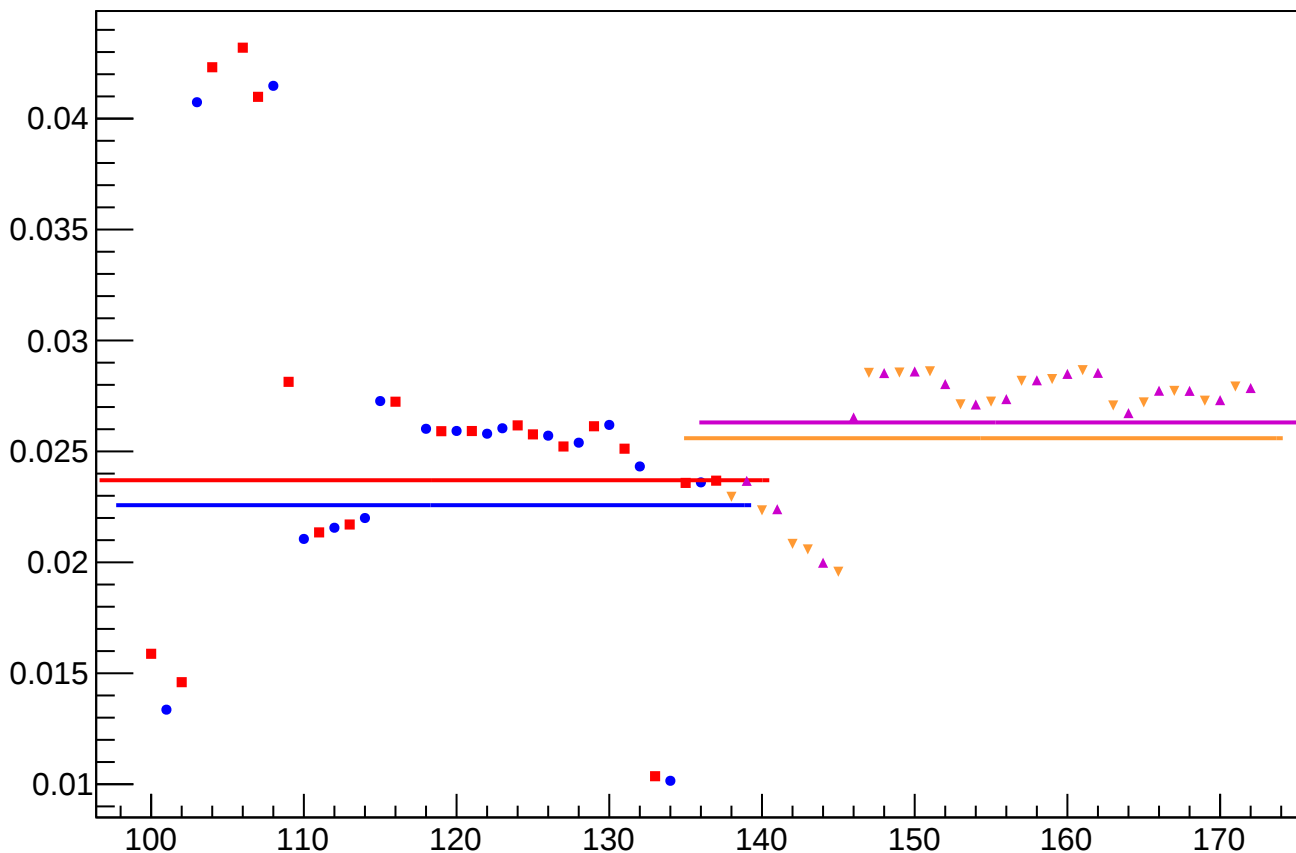
Out: 0.037+/-0.000 χ^2/NDF : 48868496303.0/36

All: 0.036+/-0.000 χ^2/NDF : 171912855029.3

yield_atr1_rms vs Slug, Sign Corrected



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 : 1715597583.7/17

Right Out: 0.024+/-0.000 χ^2/NDF : 5651397656.1/18

Left In: 0.026+/-0.000 χ^2/NDF : 1166809664.9/16

Left: 0.026+/-0.000 χ^2/NDF : 2919447903.8/34

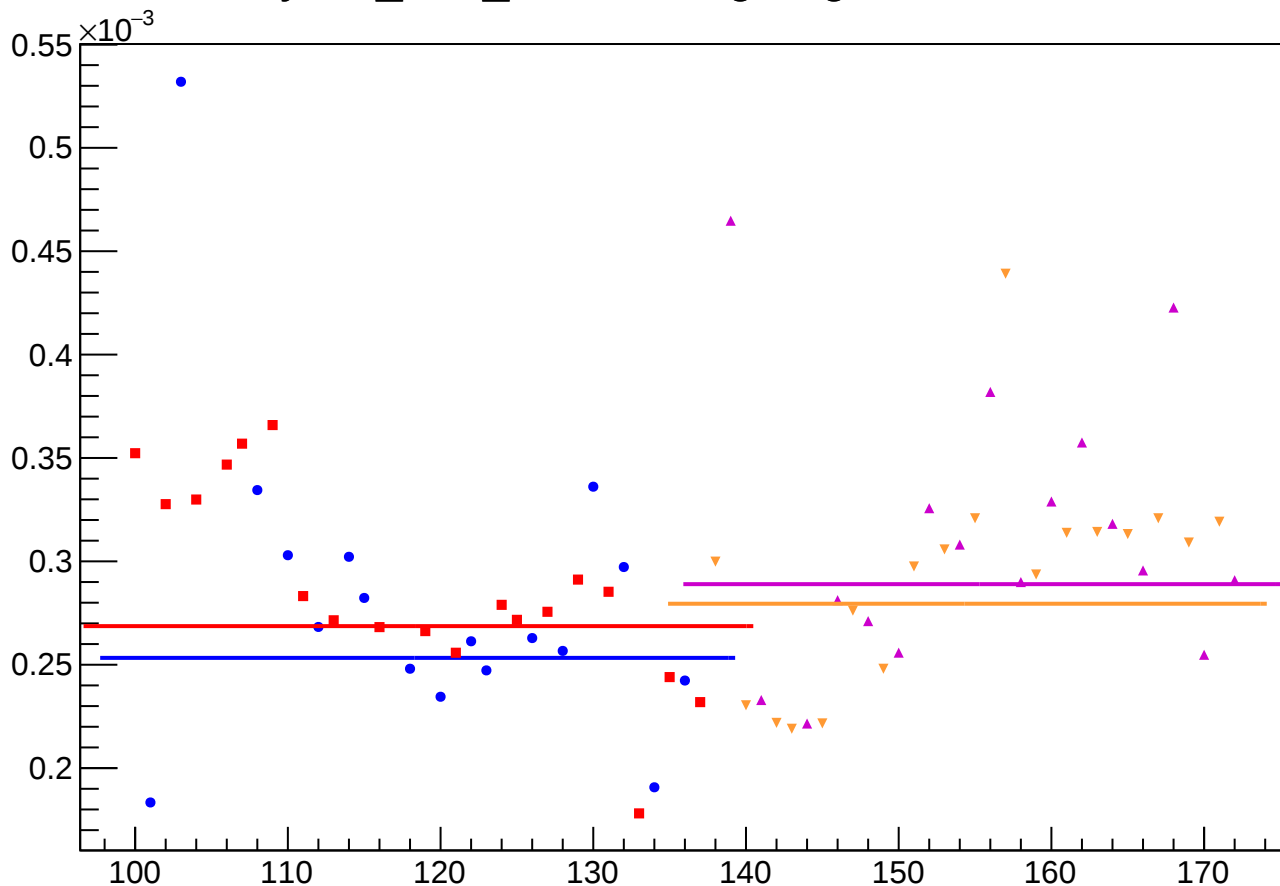
Right: 0.023+/-0.000 χ^2/NDF : 9954563356.3/35

In: 0.025+/-0.000 χ^2/NDF : 6181342998.8/33

Out: 0.025+/-0.000 χ^2/NDF : 7562759004.8/36

All: 0.025+/-0.000 χ^2/NDF : 13744478253.2/70

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 : 628101.5/17

Right Out: 0.000+/-0.000 χ^2/NDF : 428329.0/18

Left In: 0.000+/-0.000 χ^2/NDF : 841695.2/16

Left: 0.000+/-0.000 χ^2/NDF : 1482959.7/34

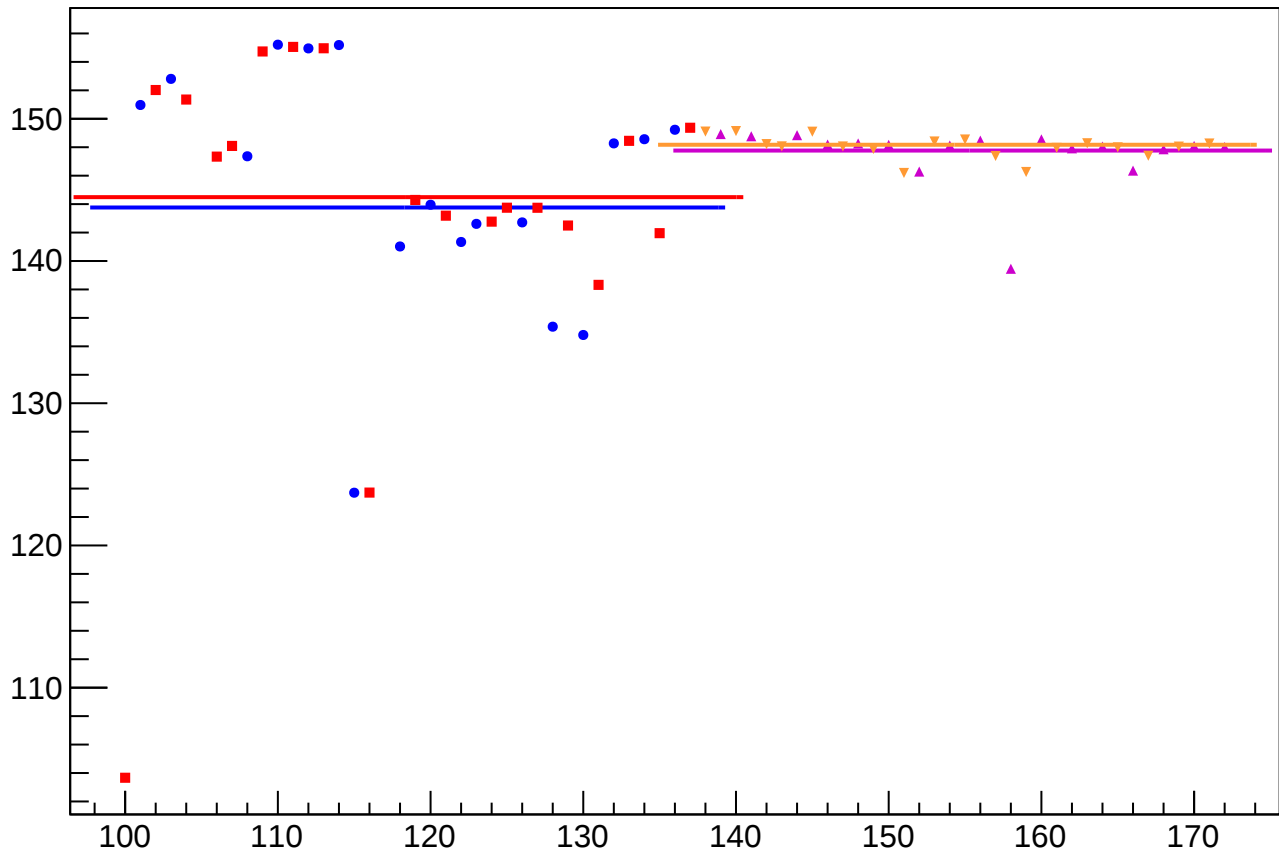
Right: 0.000+/-0.000 χ^2/NDF : 1078147.4/35

In: 0.000+/-0.000 χ^2/NDF : 1611060.1/33

Out: 0.000+/-0.000 χ^2/NDF : 1069228.7/36

All: 0.000+/-0.000 χ^2/NDF : 2680343.3/70

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 143.763+/-0.000 χ^2/NDF : 3534699505.1/16

Left Out: 148.174+/-0.000 χ^2/NDF : 52480898.2/17

Right Out: 144.490+/-0.000 χ^2/NDF : 4182548232.5/18

Left In: 147.766+/-0.000 χ^2/NDF : 325729585.0/16

Left: 147.975+/-0.000 χ^2/NDF : 384436490.7/34

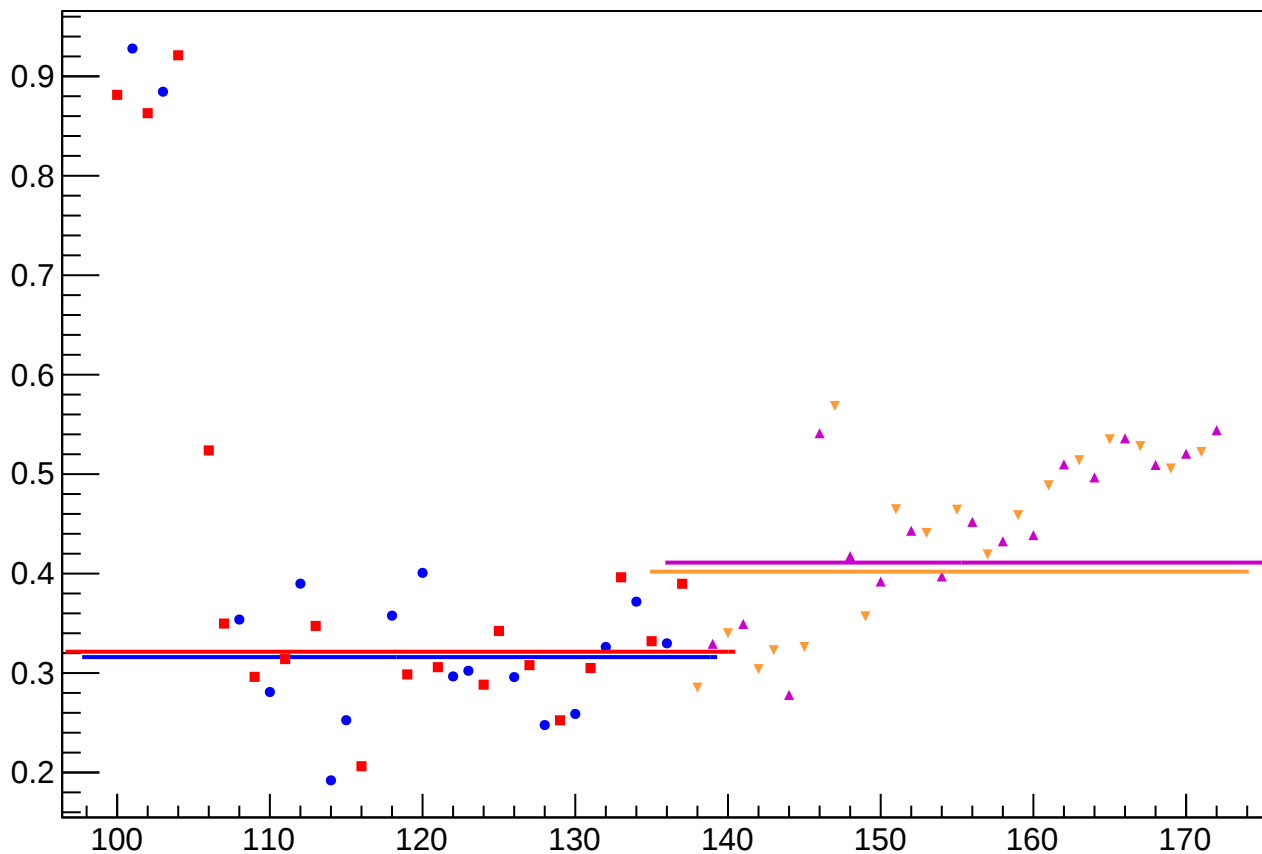
Right: 144.130+/-0.000 χ^2/NDF : 7732099987.4/35

In: 146.033+/-0.000 χ^2/NDF : 4365851535.3/33

Out: 146.611+/-0.000 χ^2/NDF : 4677734293.8/36

All: 146.327+/-0.000 χ^2/NDF : 9065418243.5

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.316+/-0.000 χ^2/NDF : 1265921.5/16

Left Out: 0.402+/-0.000 χ^2/NDF :1203210.5/17

Right Out: 0.321+/-0.000 χ^2/NDF : 1219073.9/18

Left In: 0.411+/-0.000 χ^2/NDF :1010231.0/16

Left: 0.406+/-0.000 χ^2/NDF : 2219583.0/34

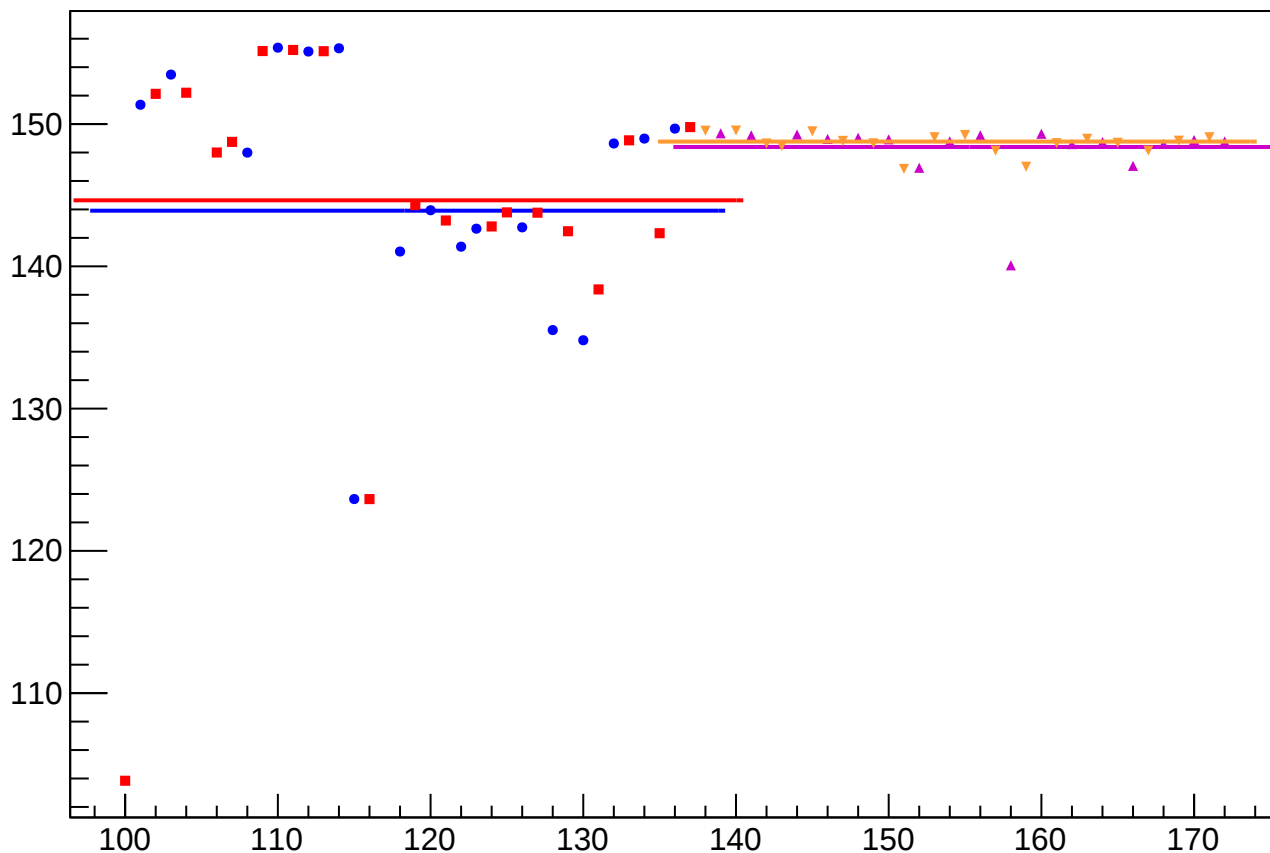
Right: 0.319+/-0.000 χ^2/NDF : 2486648.0/35

In: 0.370+/-0.000 χ^2/NDF :2845763.3/33

Out: 0.368+/-0.000 χ^2/NDF :2845567.2/36

All: 0.369+/-0.000 χ^2/NDF : 5691912.8/70

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 143.912 $\pm$ 0.000 χ^2 /NDF: 3587769790.2/16

Left Out: 148.770 $\pm$ 0.000 χ^2 /NDF: 41169234.5/17

Right Out: 144.640 $\pm$ 0.000 χ^2 /NDF: 4209610240.4/18

Left In: 148.388 $\pm$ 0.000 χ^2 /NDF: 315221975.0/16

Left: 148.584 $\pm$ 0.000 χ^2 /NDF: 361737390.4/34

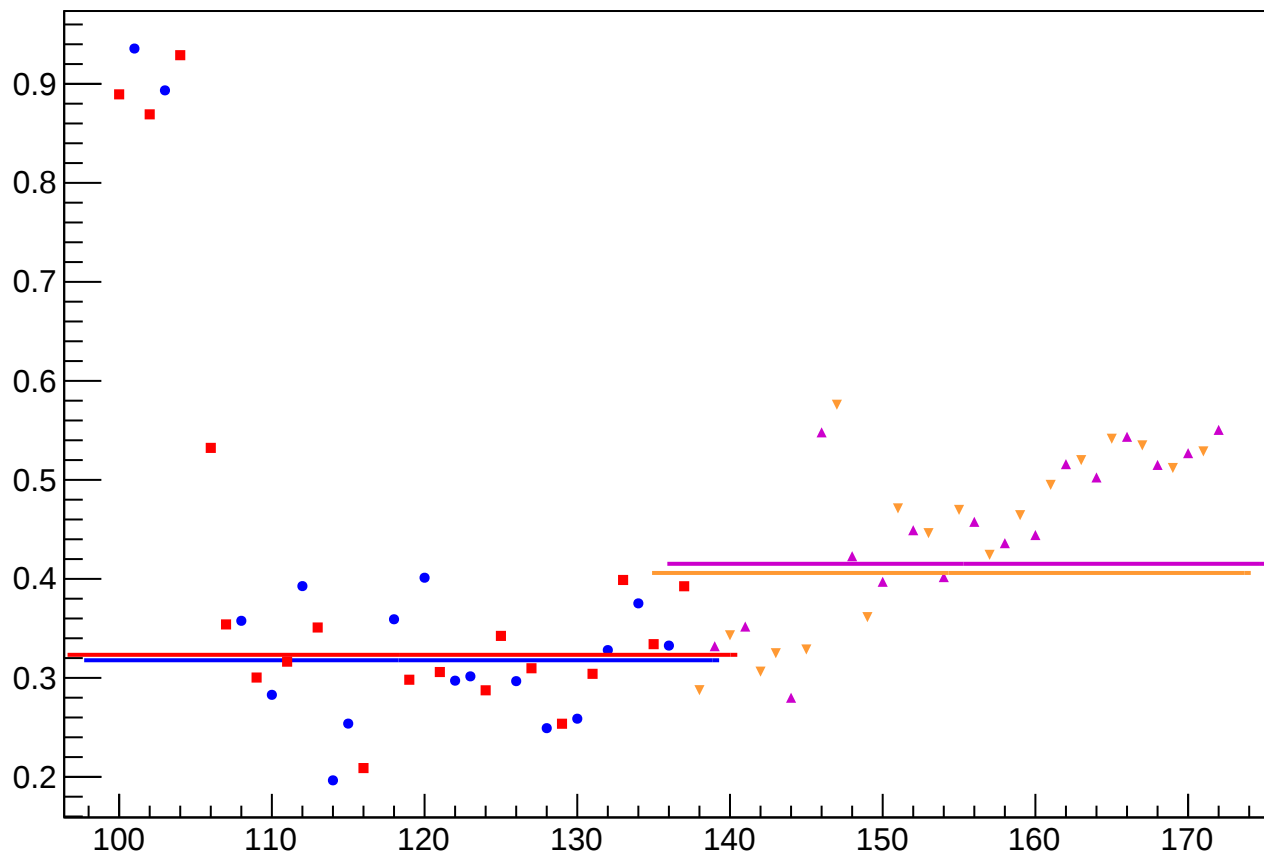
Right: 144.280 $\pm$ 0.000 χ^2 /NDF: 7812104995.9/35

In: 146.440 $\pm$ 0.000 χ^2 /NDF: 4525125309.3/33

Out: 147.009 $\pm$ 0.000 χ^2 /NDF: 4798542623.5/36

All: 146.730 $\pm$ 0.000 χ^2 /NDF: 9344491714.9

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.318+/-0.000 χ^2/NDF : 1268257.9/16

Left Out: 0.406+/-0.000 χ^2/NDF :1225237.0/17

Right Out: 0.323+/-0.000 χ^2/NDF : 1222241.9/18

Left In: 0.415+/-0.000 χ^2/NDF :1029599.0/16

Left: 0.410+/-0.000 χ^2/NDF : 2261101.9/34

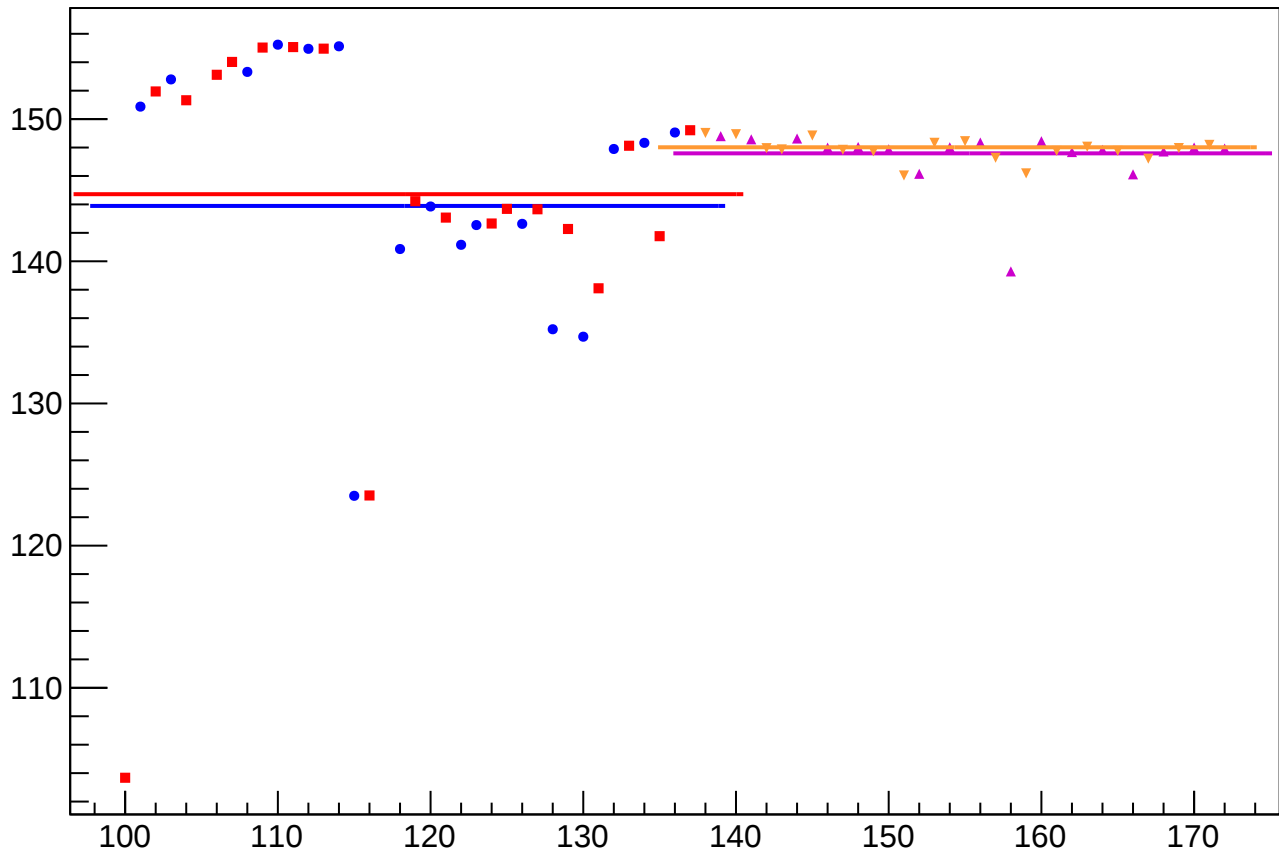
Right: 0.321+/-0.000 χ^2/NDF : 2492180.0/35

In: 0.373+/-0.000 χ^2/NDF :2887447.2/33

Out: 0.371+/-0.000 χ^2/NDF :2886694.1/36

All: 0.372+/-0.000 χ^2/NDF : 5774714.3/70

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 143.893 $\pm$ 0.000 χ^2 /NDF: 3752655677.2/16

Left Out: 148.018 $\pm$ 0.000 χ^2 /NDF: 50981738.0/17

Right Out: 144.719 $\pm$ 0.000 χ^2 /NDF: 4473225884.5/18

Left In: 147.591 $\pm$ 0.000 χ^2 /NDF: 324912832.1/16

Left: 147.810 $\pm$ 0.000 χ^2 /NDF: 382676990.8/34

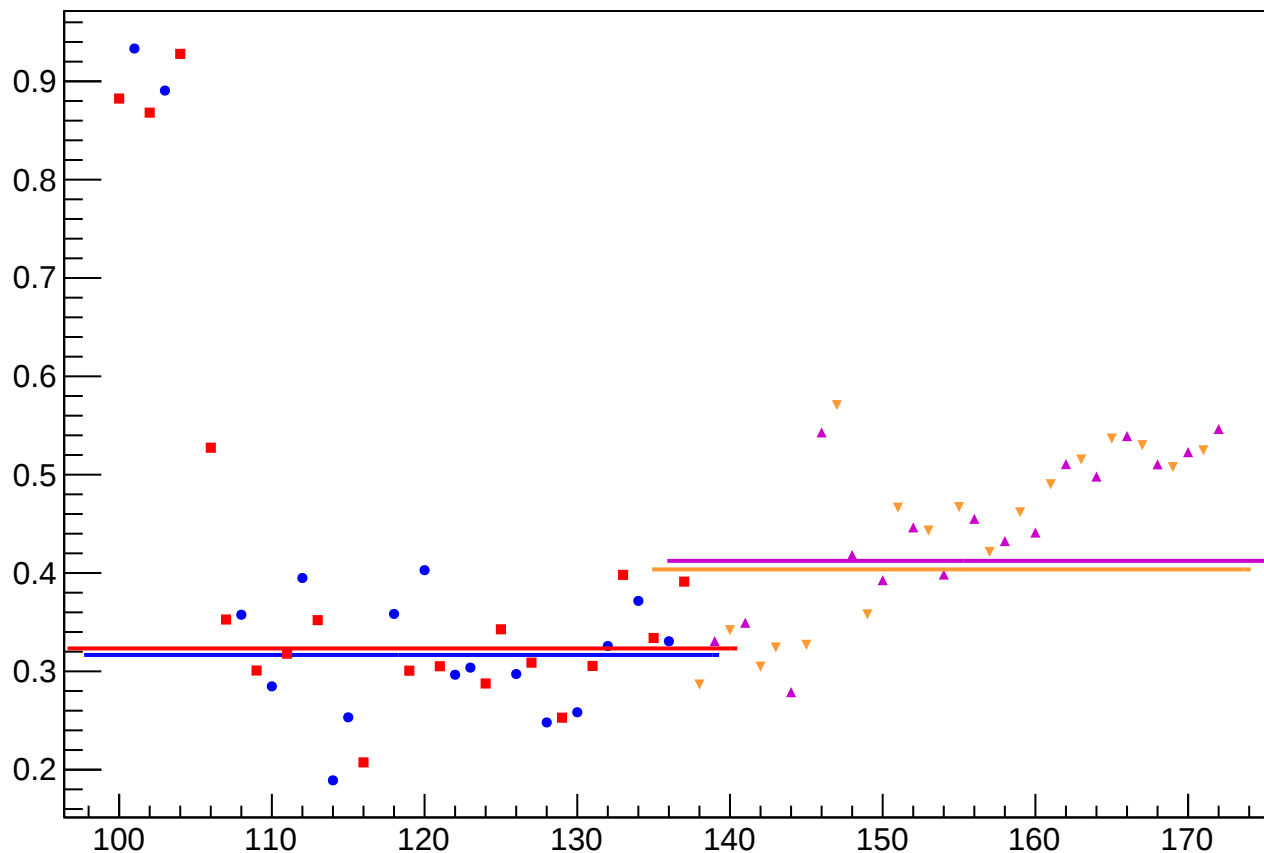
Right: 144.309 $\pm$ 0.000 χ^2 /NDF: 8244852440.8/35

In: 145.990 $\pm$ 0.000 χ^2 /NDF: 4506136407.4/33

Out: 146.621 $\pm$ 0.000 χ^2 /NDF: 4875785394.4/36

All: 146.311 $\pm$ 0.000 χ^2 /NDF: 9407742207.4

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.317+/-0.000 χ^2/NDF : 1280358.6/16

Left Out: 0.404+/-0.000 χ^2/NDF :1204524.1/17

Right Out: 0.323+/-0.000 χ^2/NDF : 1222784.7/18

Left In: 0.412+/-0.000 χ^2/NDF :1015777.3/16

Left: 0.408+/-0.000 χ^2/NDF : 2225896.4/34

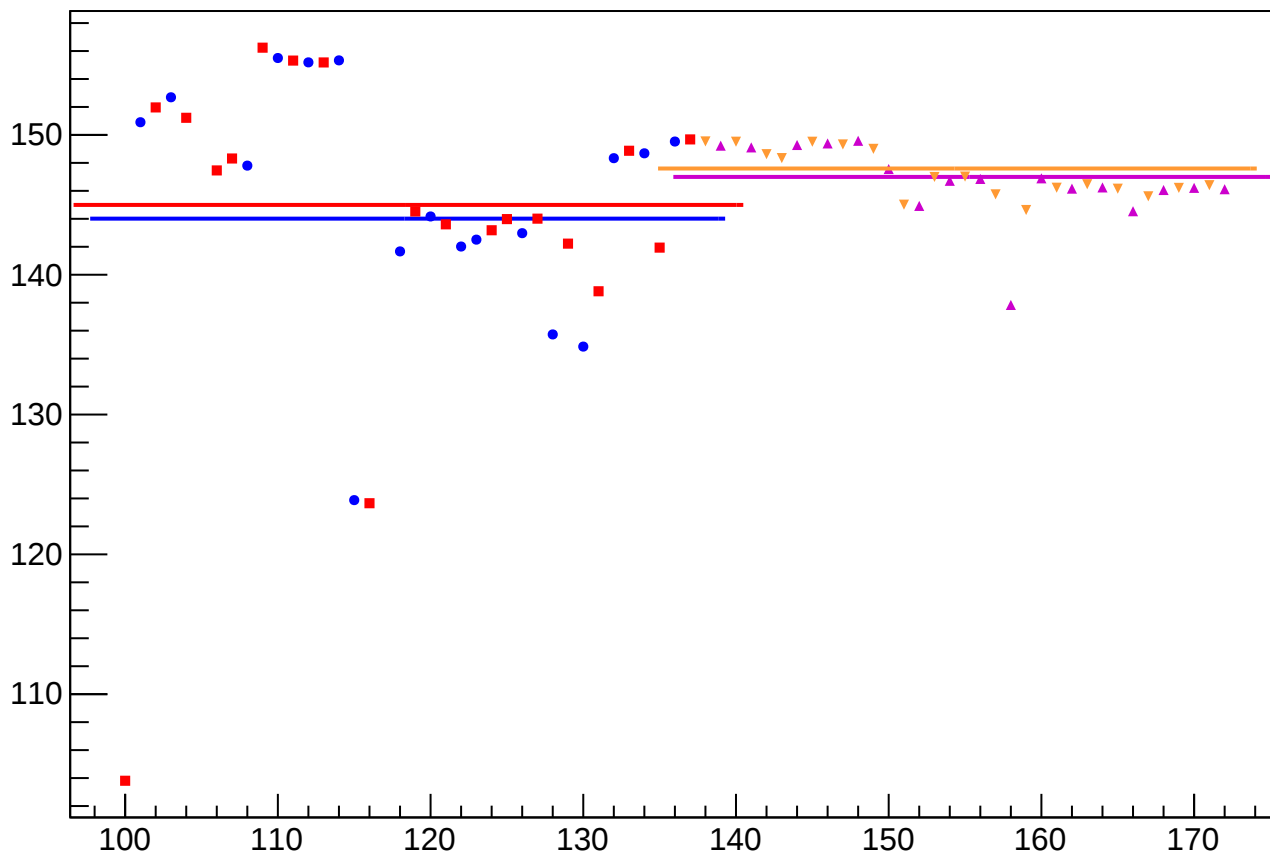
Right: 0.320+/-0.000 χ^2/NDF : 2505560.8/35

In: 0.371+/-0.000 χ^2/NDF :2869535.0/33

Out: 0.370+/-0.000 χ^2/NDF :2844536.7/36

All: 0.370+/-0.000 χ^2/NDF : 5714299.1/70

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 144.012 ± 0.000 $\chi^2/\text{NDF}: 3241696920.3/16$

Left Out: 147.598 ± 0.000 $\chi^2/\text{NDF}: 200446219.4/17$

Right Out: 144.994 ± 0.000 $\chi^2/\text{NDF}: 3852381452.1/18$

Left In: 146.996 ± 0.000 $\chi^2/\text{NDF}: 507004816.9/16$

Left: 147.305 ± 0.000 $\chi^2/\text{NDF}: 720013410.8/34$

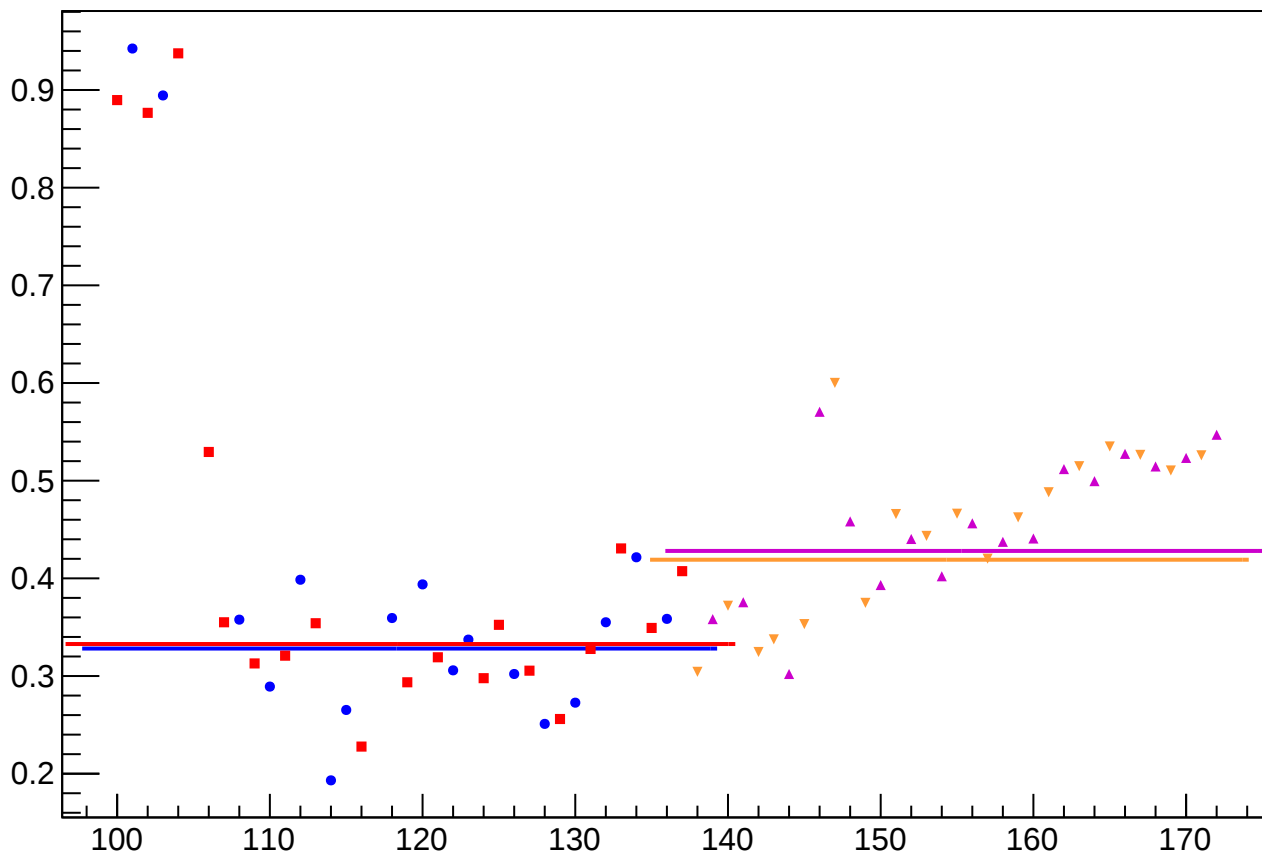
Right: 144.510 ± 0.000 $\chi^2/\text{NDF}: 7119138597.7/35$

In: 145.710 ± 0.000 $\chi^2/\text{NDF}: 4008746105.9/33$

Out: 146.489 ± 0.000 $\chi^2/\text{NDF}: 4258531546.2/36$

All: 146.108 ± 0.000 $\chi^2/\text{NDF}: 8304137216.1$

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.328 $\pm$ 0.000 χ^2/NDF : 1265892.9/16

Left Out: 0.419 $\pm$ 0.000 χ^2/NDF :937025.3/17

Right Out: 0.333 $\pm$ 0.000 χ^2/NDF : 1185129.6/18

Left In: 0.428 $\pm$ 0.000 χ^2/NDF :771186.9/16

Left: 0.423 $\pm$ 0.000 χ^2/NDF : 1713828.9/34

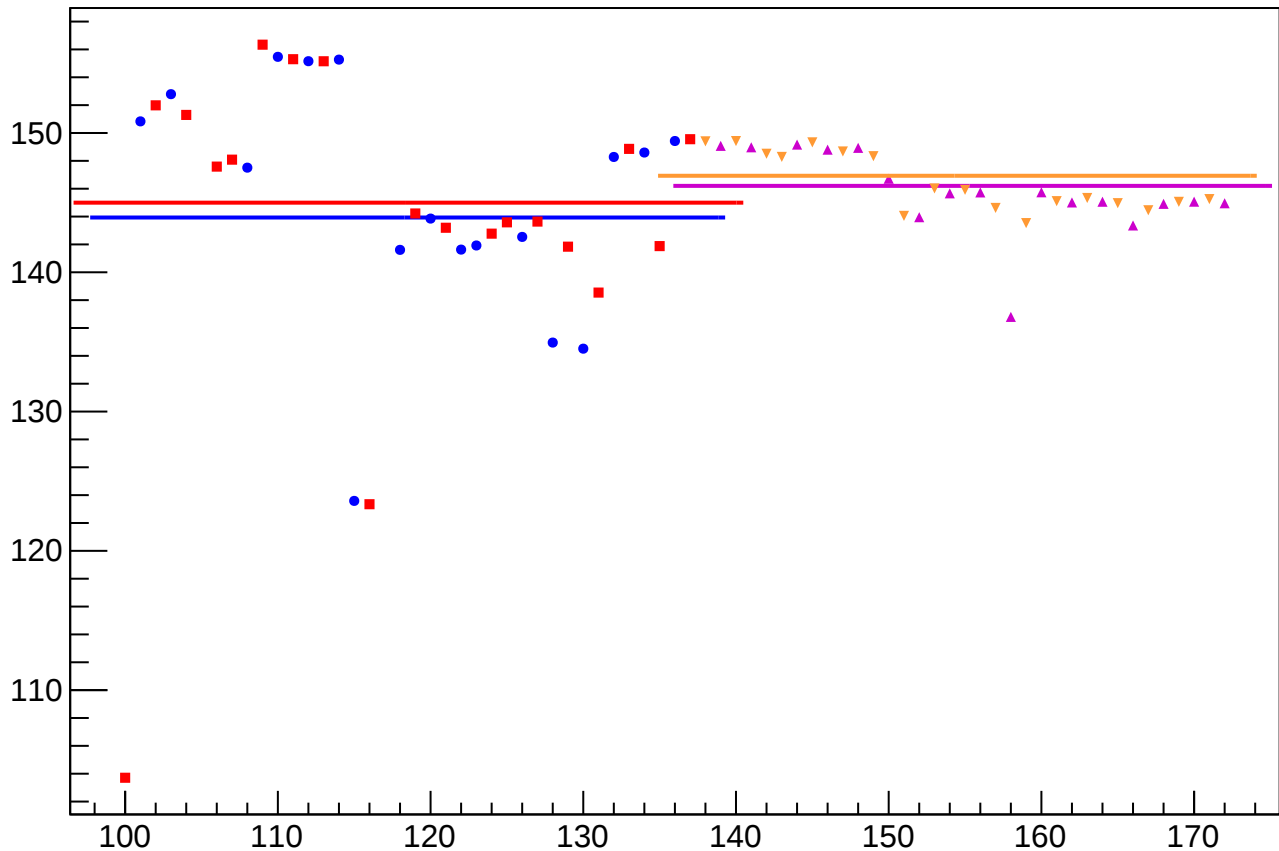
Right: 0.330 $\pm$ 0.000 χ^2/NDF : 2452140.8/35

In: 0.385 $\pm$ 0.000 χ^2/NDF :2620503.8/33

Out: 0.382 $\pm$ 0.000 χ^2/NDF :2574108.9/36

All: 0.384 $\pm$ 0.000 χ^2/NDF : 5195474.7/70

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 143.932 $\pm$ 0.000 χ^2 /NDF: 3383012861.2/16

Left Out: 146.929 $\pm$ 0.000 χ^2 /NDF: 311106280.9/17

Right Out: 144.998 $\pm$ 0.000 χ^2 /NDF: 3932958476.0/18

Left In: 146.204 $\pm$ 0.000 χ^2 /NDF: 629320654.2/16

Left: 146.576 $\pm$ 0.000 χ^2 /NDF: 958633274.0/34

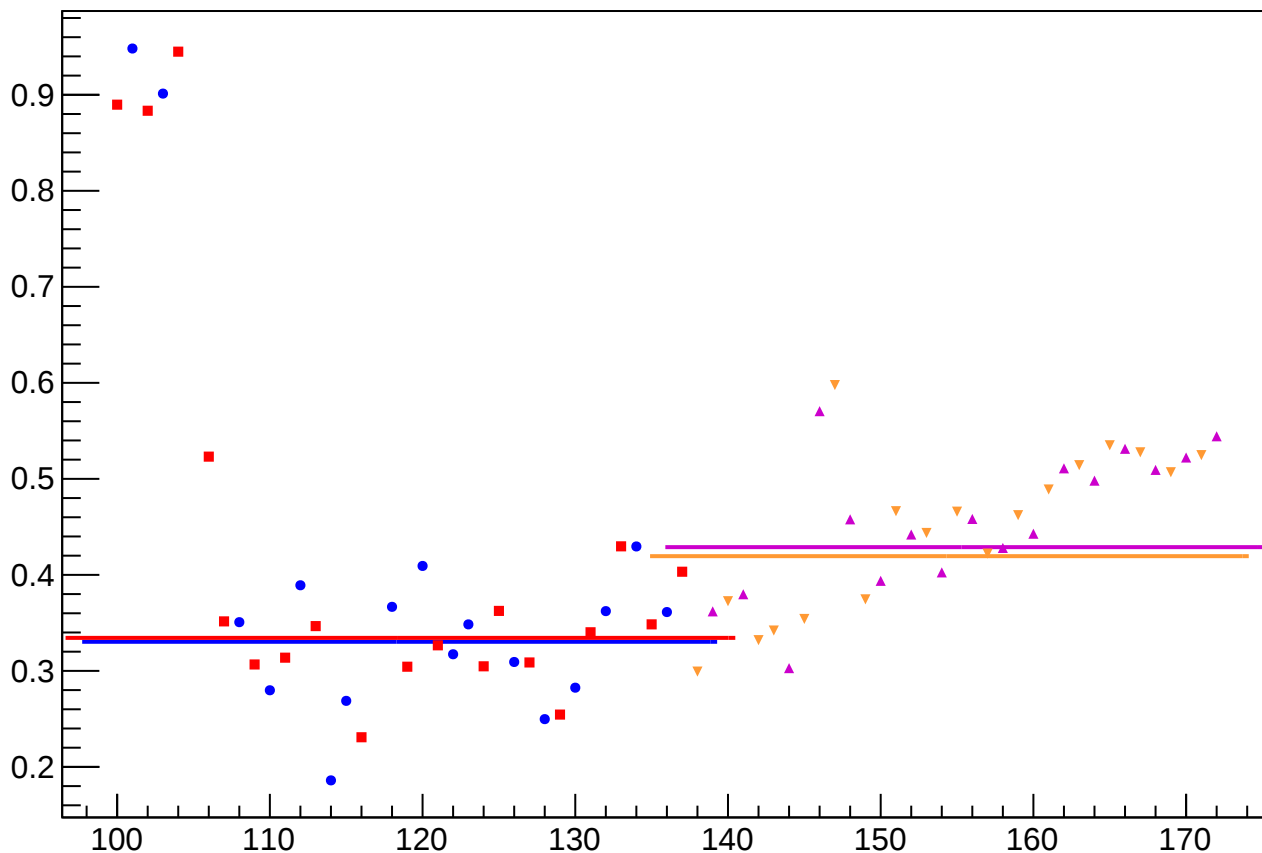
Right: 144.474 $\pm$ 0.000 χ^2 /NDF: 7345100324.4/35

In: 145.232 $\pm$ 0.000 χ^2 /NDF: 4161293395.4/33

Out: 146.111 $\pm$ 0.000 χ^2 /NDF: 4356321061.0/36

All: 145.681 $\pm$ 0.000 χ^2 /NDF: 8564177221.2

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.330+/-0.000 χ^2/NDF : 1283955.7/16

Left Out: 0.419+/-0.000 χ^2/NDF :929954.9/17

Right Out: 0.334+/-0.000 χ^2/NDF : 1174012.0/18

Left In: 0.429+/-0.000 χ^2/NDF :744170.0/16

Left: 0.424+/-0.000 χ^2/NDF : 1680239.1/34

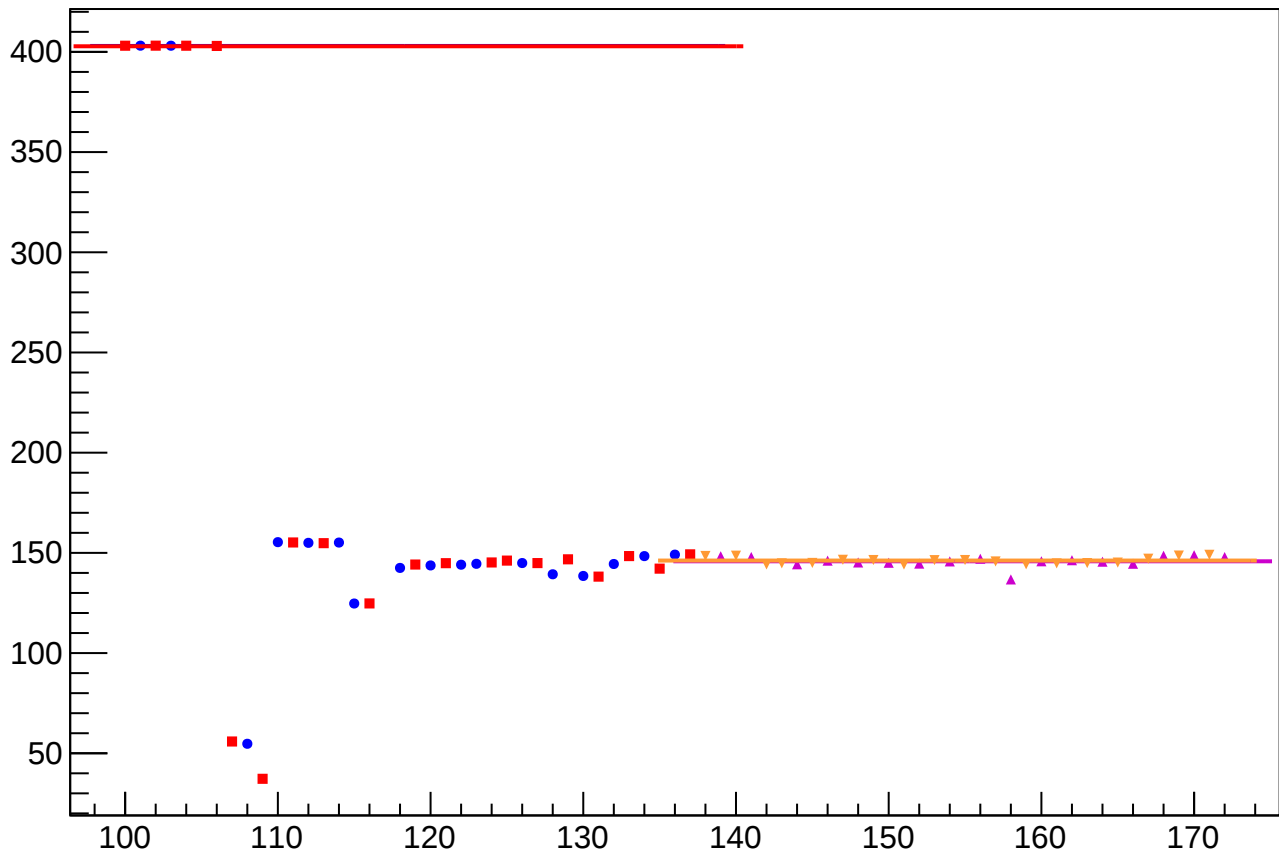
Right: 0.332+/-0.000 χ^2/NDF : 2458819.5/35

In: 0.387+/-0.000 χ^2/NDF :2589099.9/33

Out: 0.383+/-0.000 χ^2/NDF :2539811.6/36

All: 0.385+/-0.000 χ^2/NDF : 5130205.4/70

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 402.958+/-0.000

χ^2/NDF : 1094364588383.4/16

Left: 145.988+/-0.000

χ^2/NDF : 241940270.7/34

Left Out: 146.170+/-0.000

χ^2/NDF : 71249401.3/17

Right: 402.873+/-0.000

χ^2/NDF : 4196818264482.1/34

Right Out: 402.799+/-0.000

χ^2/NDF : 3102036567767.5/18

In: 402.744+/-0.000

χ^2/NDF : 2808897257930.2/34

Out: 402.605+/-0.000

χ^2/NDF : 4857036844839.7/34

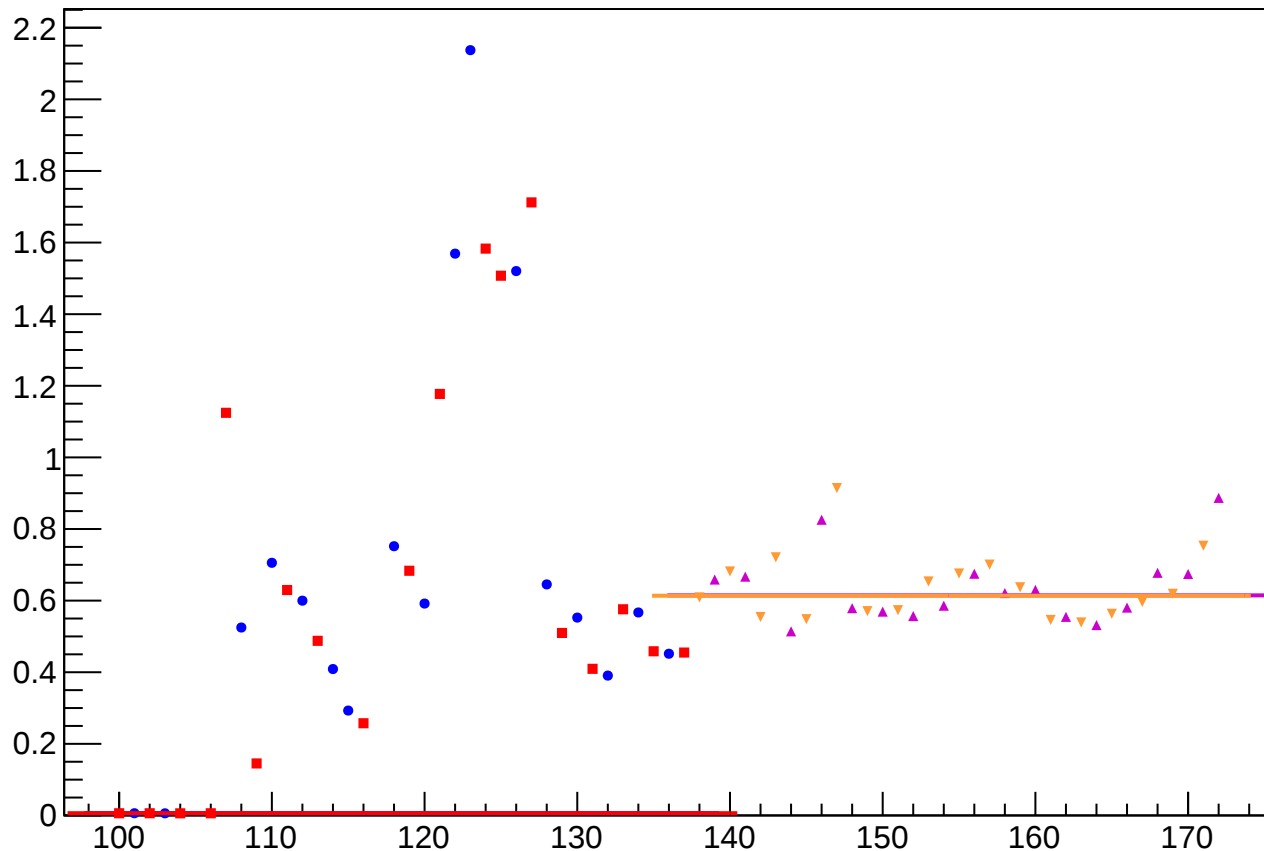
Left In: 145.801+/-0.000

χ^2/NDF : 168896615.4/16

All: 402.670+/-0.000

χ^2/NDF : 766625264178.4/68

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF : 9079322.7/16

Left Out: 0.614+/-0.000 χ^2/NDF : 309657.1/17

Right Out: 0.006+/-0.000 χ^2/NDF : 9193355.5/18

Left In: 0.615+/-0.000 χ^2/NDF : 345282.8/16

Left: 0.614+/-0.000 χ^2/NDF : 654968.1/34

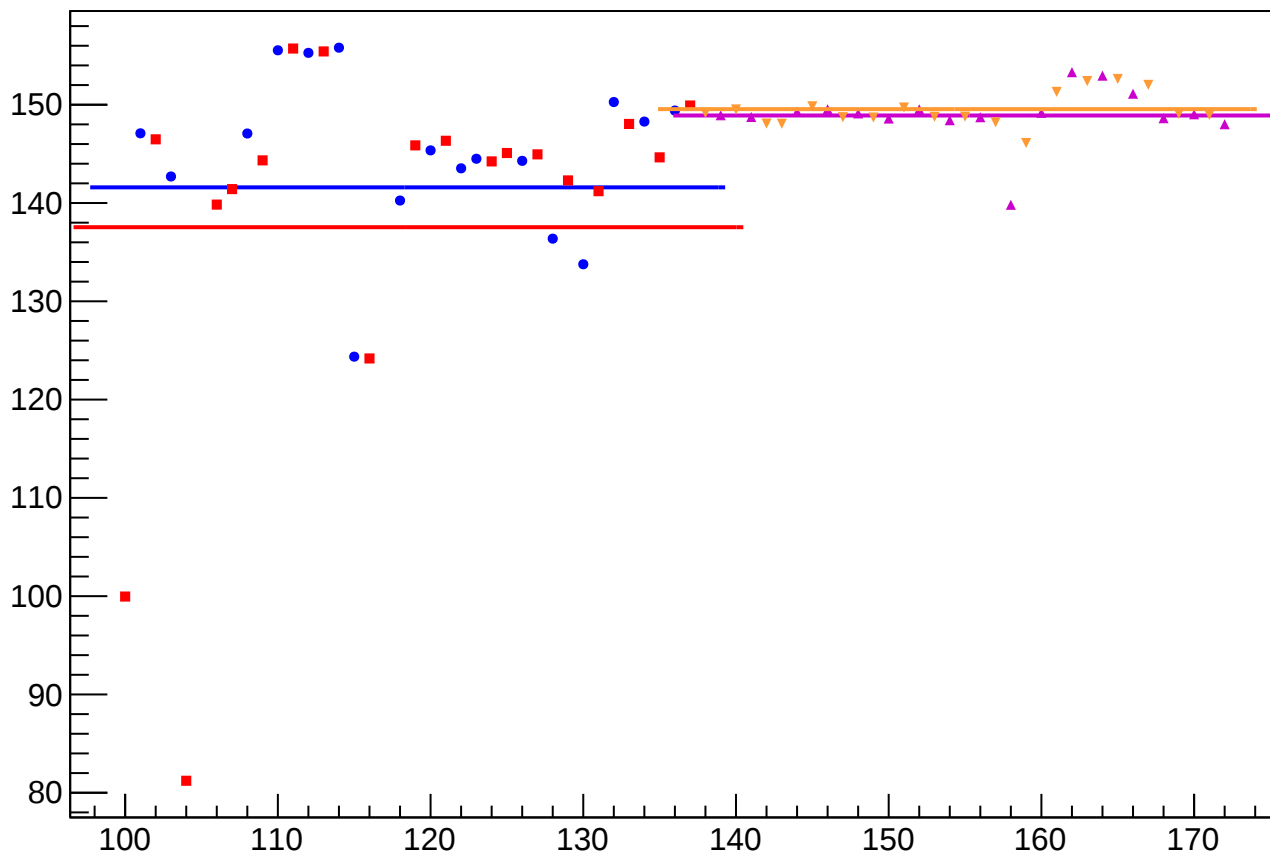
Right: 0.006+/-0.000 χ^2/NDF : 18272681.8/35

In: 0.007+/-0.000 χ^2/NDF : 28613240.4/33

Out: 0.007+/-0.000 χ^2/NDF : 29160201.6/36

All: 0.007+/-0.000 χ^2/NDF : 57773552.1/70

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 141.593 $\pm$ 0.000 χ^2 /NDF: 980101868.2/16

Left Out: 149.551 $\pm$ 0.000 χ^2 /NDF: 119957794.7/17

Right Out: 137.539 $\pm$ 0.000 χ^2 /NDF: 1316096307.7/18

Left In: 148.905 $\pm$ 0.000 χ^2 /NDF: 363986462.1/16

Left: 149.237 $\pm$ 0.000 χ^2 /NDF: 491980090.7/34

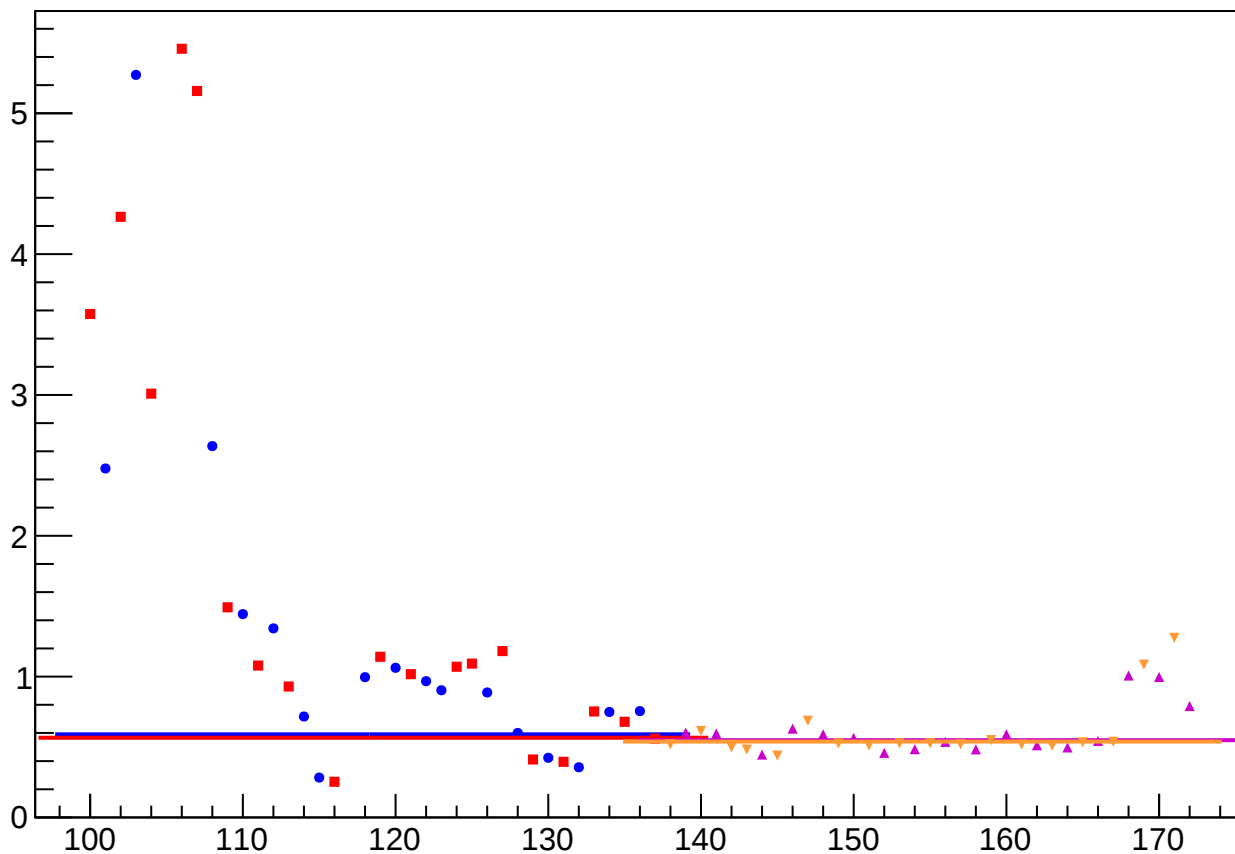
Right: 139.514 $\pm$ 0.000 χ^2 /NDF: 2381261600.7/35

In: 147.354 $\pm$ 0.000 χ^2 /NDF: 1769360958.7/33

Out: 147.012 $\pm$ 0.000 χ^2 /NDF: 2644815252.4/36

All: 147.179 $\pm$ 0.000 χ^2 /NDF: 4417036762.7

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.590 $\pm$ 0.000 χ^2 /NDF: 3491995.1/16

Left Out: 0.539 $\pm$ 0.000 χ^2 /NDF:1026039.5/17

Right Out: 0.566 $\pm$ 0.000 χ^2 /NDF: 4683596.4/18

Left In: 0.549 $\pm$ 0.000 χ^2 /NDF:958898.6/16

Left: 0.544 $\pm$ 0.000 χ^2 /NDF: 1988768.9/34

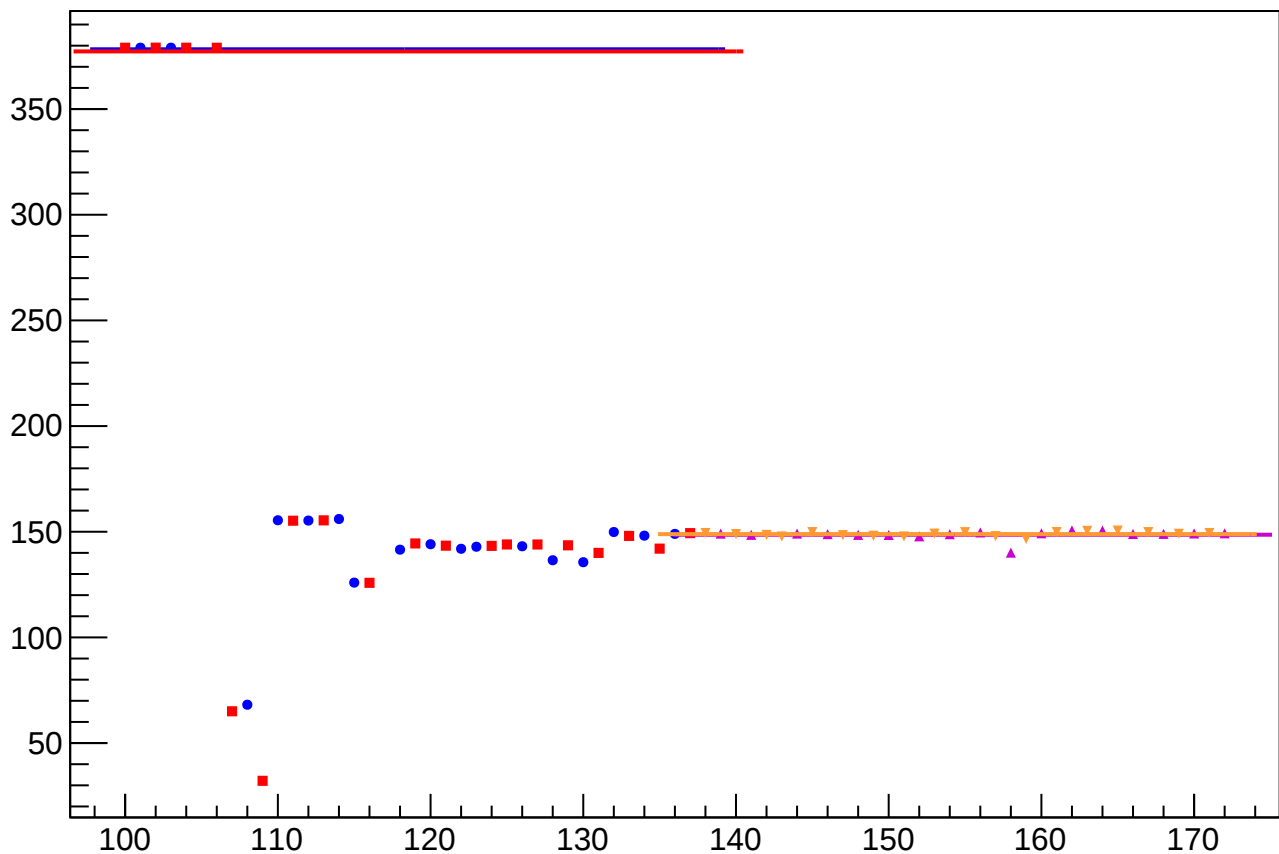
Right: 0.578 $\pm$ 0.000 χ^2 /NDF: 8181648.0/35

In: 0.558 $\pm$ 0.000 χ^2 /NDF:4478291.3/33

Out: 0.545 $\pm$ 0.000 χ^2 /NDF:5722108.2/36

All: 0.551 $\pm$ 0.000 χ^2 /NDF: 10208670.1/70

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 378.283+/-0.000

χ^2/NDF : 2508313421453.8/16

Left: 148.733+/-0.000

χ^2/NDF : 298526121.1/34

Left Out: 148.865+/-0.000

χ^2/NDF : 60638060.3/17

Right: 377.752+/-0.000

χ^2/NDF : 10801647529340.1/34

Right Out: 377.287+/-0.000

χ^2/NDF : 8286303106836.4/18

In: 377.299+/-0.000

χ^2/NDF : 5516755900480.1/34

Left In: 148.590+/-0.000

χ^2/NDF : 235643643.2/16

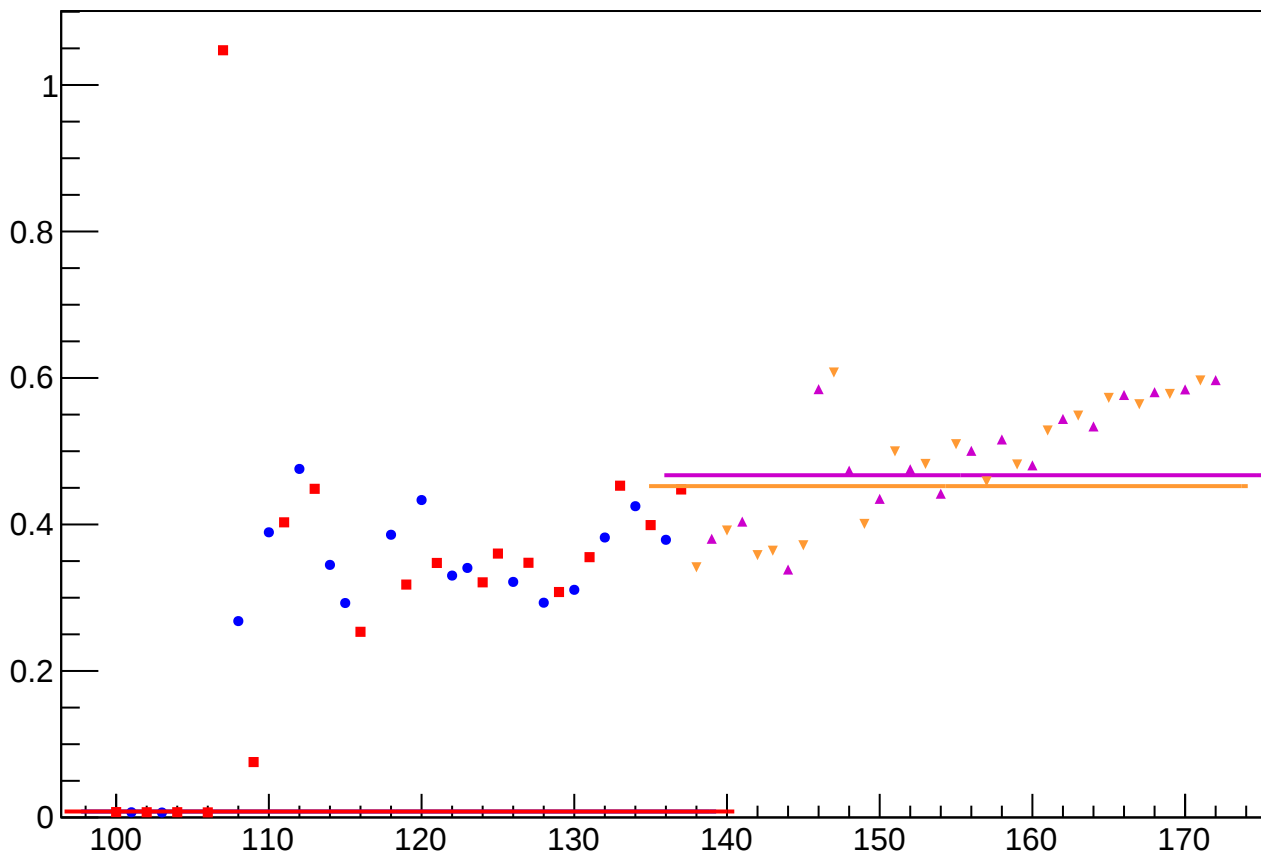
Out: 376.363+/-0.000

χ^2/NDF : 11490533435133.9/34

All: 376.801+/-0.000

χ^2/NDF : 170135295396.1/68

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.008 $\pm$ 0.000 χ^2 /NDF: 9806719.4/16

Left Out: 0.452 $\pm$ 0.000 χ^2 /NDF:912441.0/17

Right Out: 0.008 $\pm$ 0.000 χ^2 /NDF: 9522827.2/18

Left In: 0.467 $\pm$ 0.000 χ^2 /NDF:737081.2/16

Left: 0.460 $\pm$ 0.000 χ^2 /NDF: 1662650.3/34

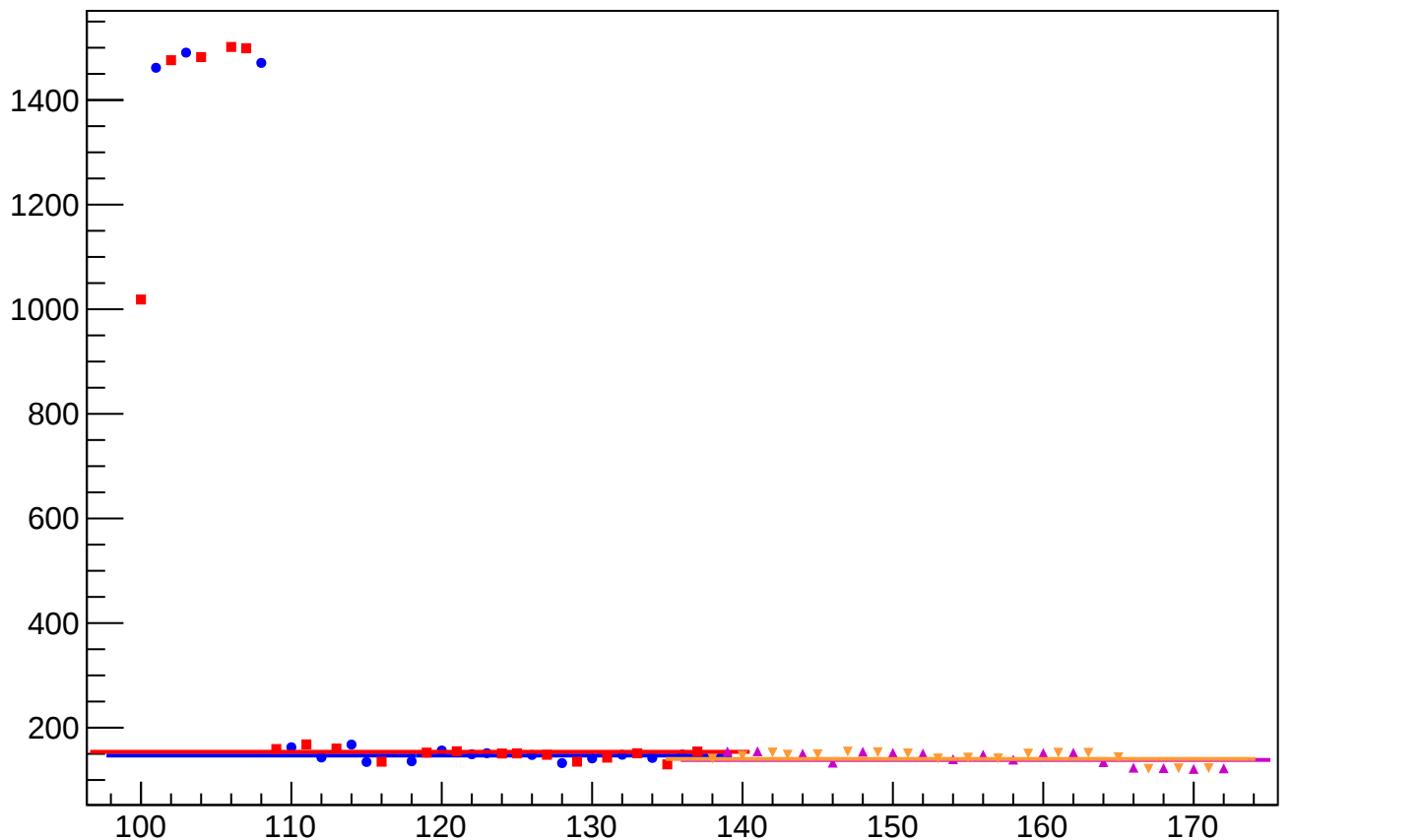
Right: 0.008 $\pm$ 0.000 χ^2 /NDF: 19329555.6/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF:34579705.4/33

Out: 0.010 $\pm$ 0.000 χ^2 /NDF:34670121.4/36

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 69250122.5/70

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 146.819+/-0.000 χ^2/NDF : 24360774977.7/16

Left Out: 140.242+/-0.000 χ^2/NDF : 2367738556.7/17

Right Out: 153.901+/-0.000 χ^2/NDF : 33737565970.8/18

Left In: 138.427+/-0.000 χ^2/NDF : 2787202207.8/16

Left: 139.335+/-0.000 χ^2/NDF : 5181316724.9/34

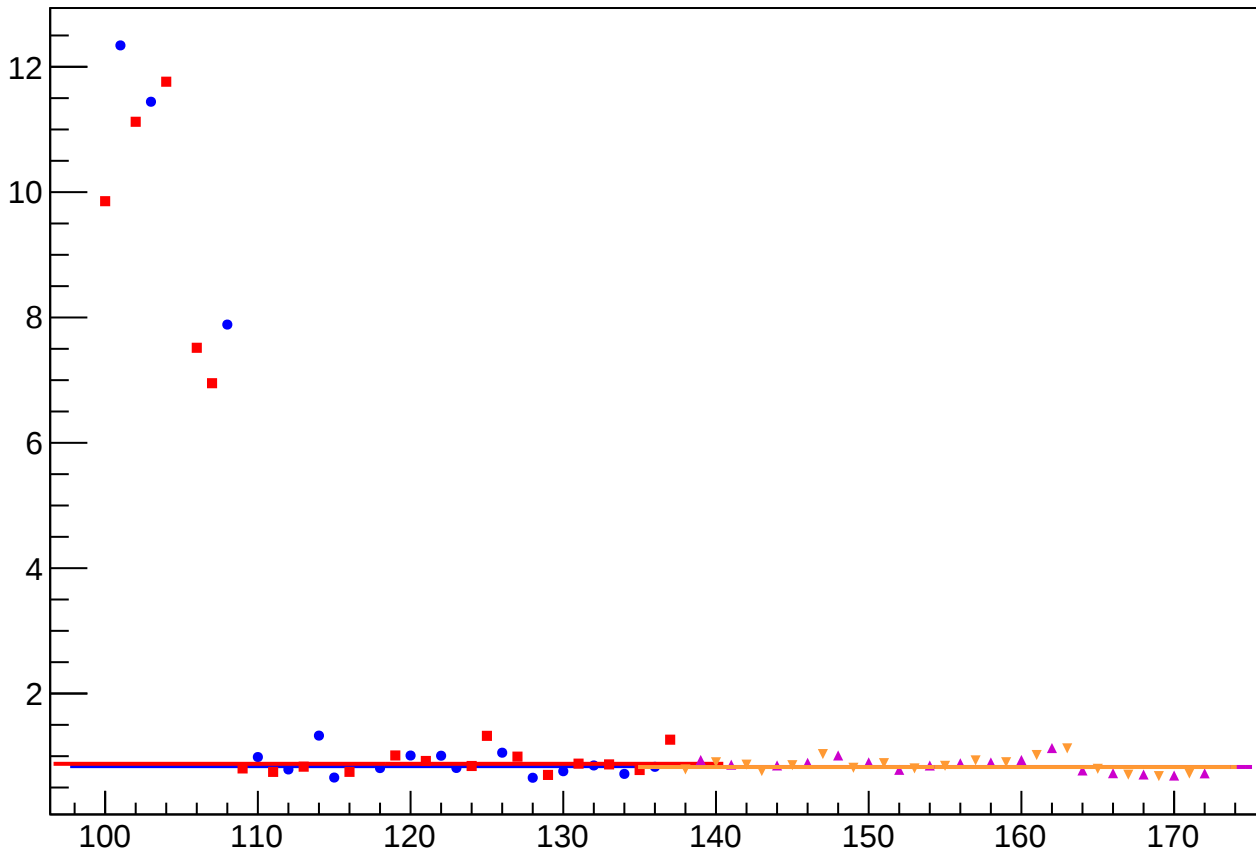
Right: 150.348+/-0.000 χ^2/NDF : 58231390734.2/35

In: 140.521+/-0.000 χ^2/NDF : 27429337928.3/33

Out: 143.629+/-0.000 χ^2/NDF : 36847239059.2/36

All: 142.074+/-0.000 χ^2/NDF : 64379585313.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.841 $\pm$ 0.000 χ^2 /NDF: 2662395.1/16

Left Out: 0.827 $\pm$ 0.000 χ^2 /NDF:396897.7/17

Right Out: 0.878 $\pm$ 0.000 χ^2 /NDF: 2814626.6/18

Left In: 0.828 $\pm$ 0.000 χ^2 /NDF:373121.6/16

Left: 0.827 $\pm$ 0.000 χ^2 /NDF: 770030.0/34

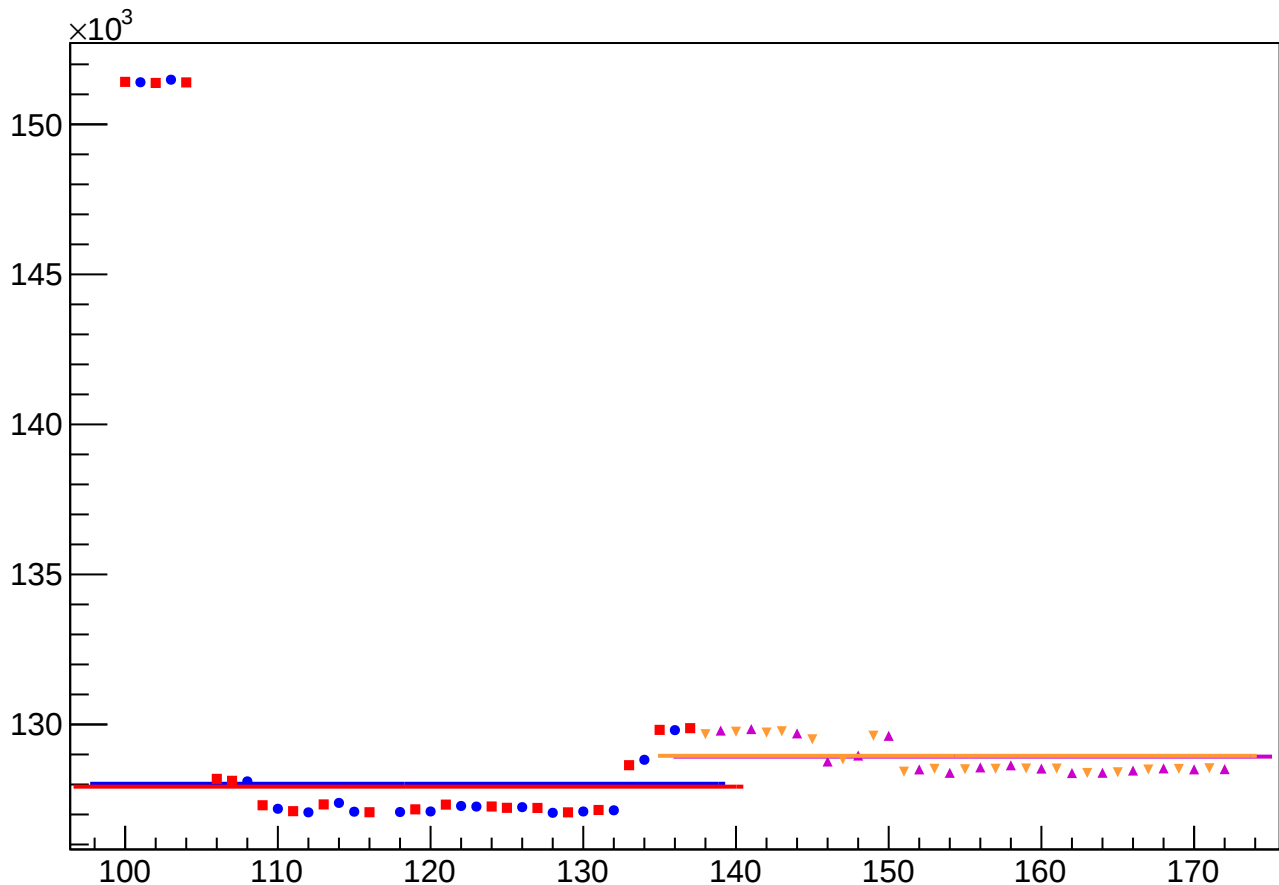
Right: 0.860 $\pm$ 0.000 χ^2 /NDF: 5484331.4/35

In: 0.831 $\pm$ 0.000 χ^2 /NDF:3036946.1/33

Out: 0.840 $\pm$ 0.000 χ^2 /NDF:3232460.6/36

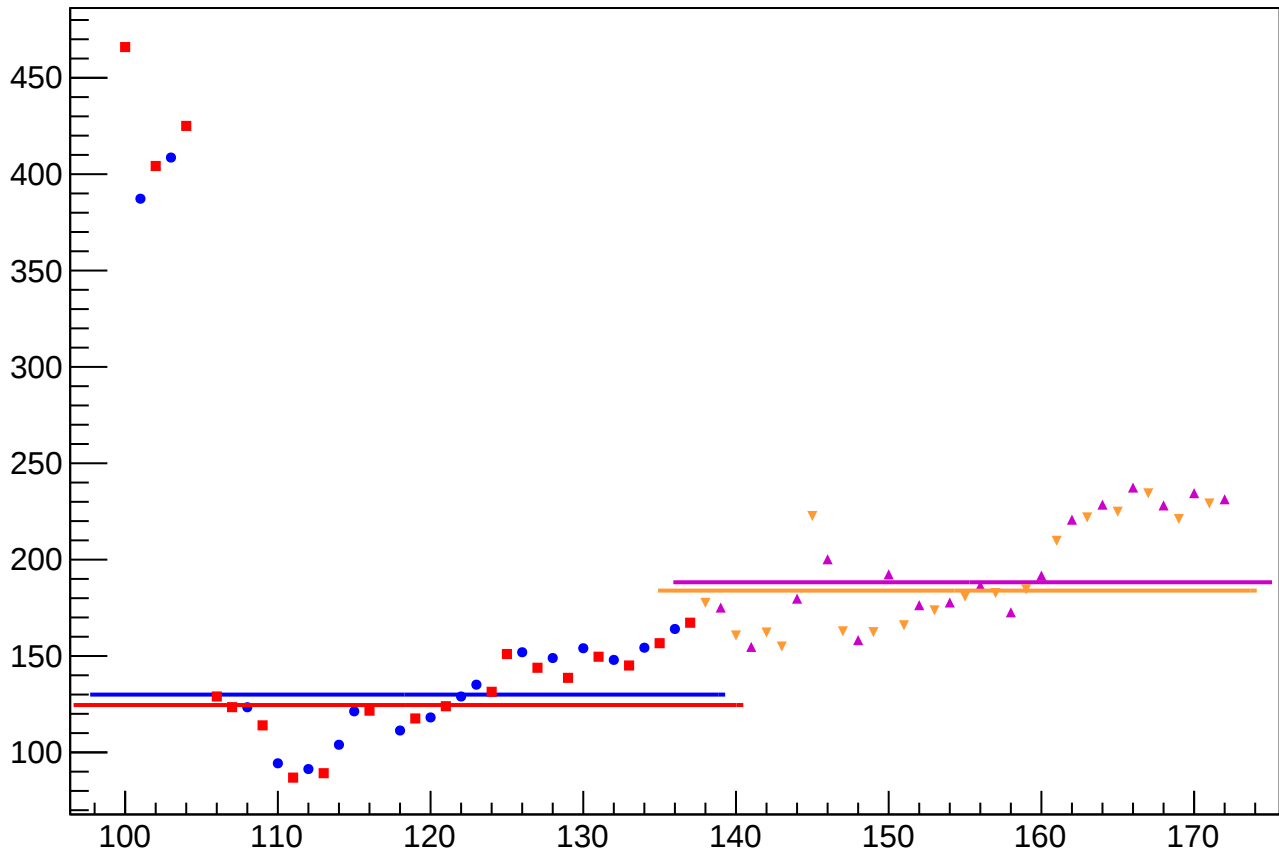
All: 0.835 $\pm$ 0.000 χ^2 /NDF: 6270973.3/70

yield_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 128023.527 $\pm$ 0.055 χ^2 /NDF: 4316540586.9/16
 Left Out: 128955.486 $\pm$ 0.051 χ^2 /NDF: 124474599.6/17
 Right Out: 127927.471 $\pm$ 0.050 χ^2 /NDF: 3767047216.9/18
 Left In: 128928.722 $\pm$ 0.052 χ^2 /NDF: 112874649.8/16
 Left: 128942.534 $\pm$ 0.036 χ^2 /NDF: 237483551.3/34
 Right: 127971.691 $\pm$ 0.037 χ^2 /NDF: 8085261759.1/34
 In: 128493.681 $\pm$ 0.038 χ^2 /NDF: 4572494853.5/33
 Out: 128437.084 $\pm$ 0.036 χ^2 /NDF: 4097984895.1/33
 All: 128463.816 $\pm$ 0.026 χ^2 /NDF: 867166215.1/66

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 129.980 ± 0.039 $\chi^2/\text{NDF}: 1485519.5/16$

Left Out: 183.942 ± 0.036 $\chi^2/\text{NDF}: 506994.4/17$

Right Out: 124.566 ± 0.036 $\chi^2/\text{NDF}: 1531273.9/18$

Left In: 188.266 ± 0.037 $\chi^2/\text{NDF}: 460843.3/16$

Left: 186.035 ± 0.026 $\chi^2/\text{NDF}: 974851.1/34$

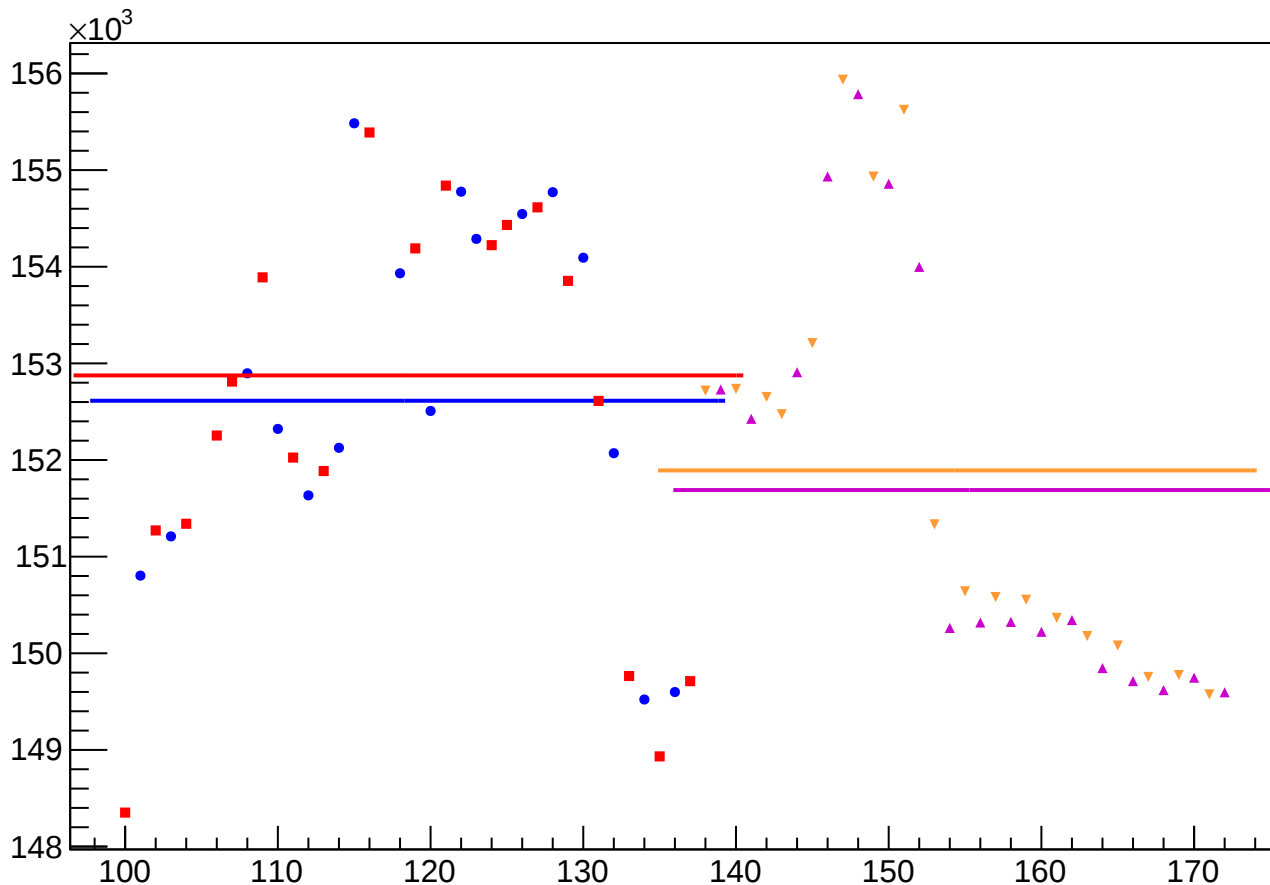
Right: 127.058 ± 0.026 $\chi^2/\text{NDF}: 3027426.7/35$

In: 160.253 ± 0.027 $\chi^2/\text{NDF}: 3132845.8/33$

Out: 154.000 ± 0.025 $\chi^2/\text{NDF}: 3415751.1/36$

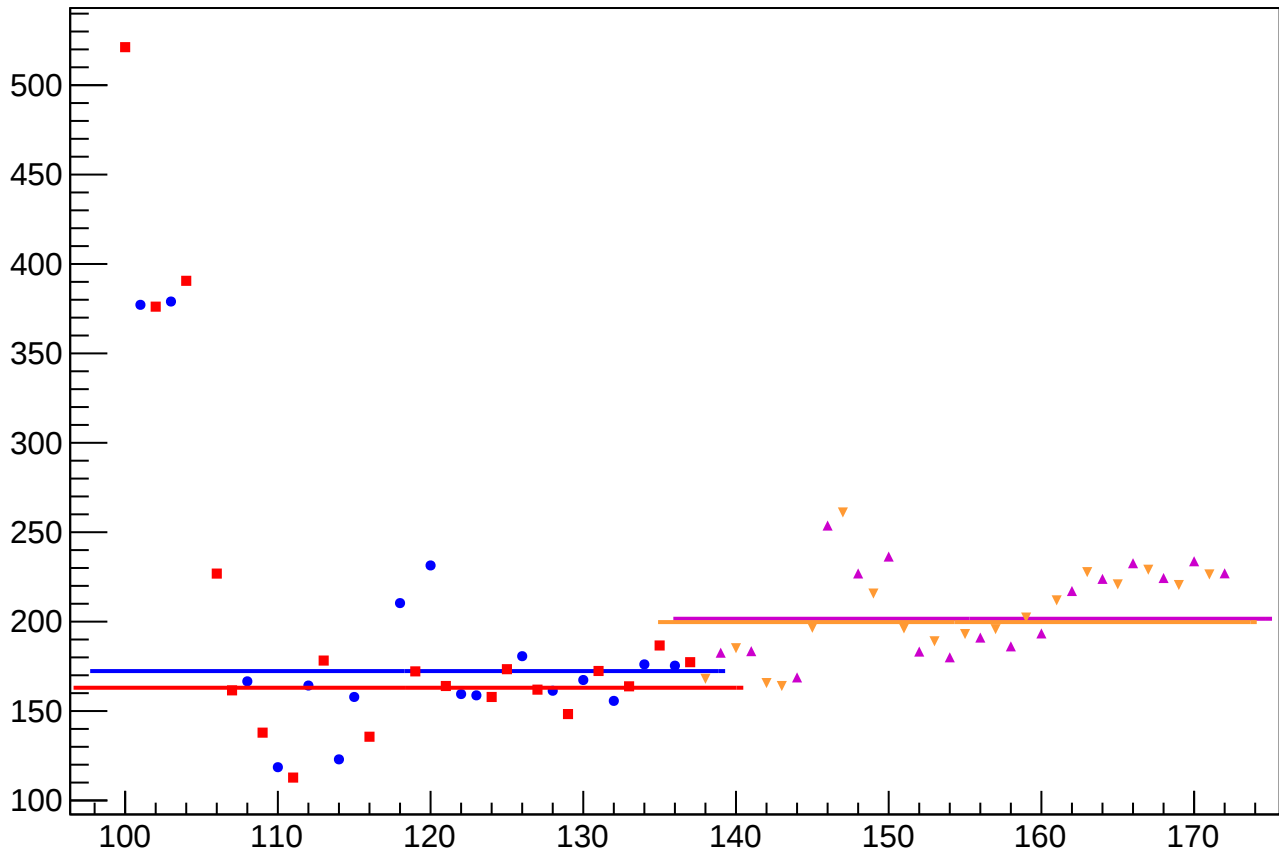
All: 156.954 ± 0.018 $\chi^2/\text{NDF}: 6577466.1/70$

yield_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: 152613.122 $\pm$ 0.072	χ^2 /NDF: 623356098.4/16	Left: 151792.540 $\pm$ 0.039	χ^2 /NDF: 2399900914.8/3
Left Out: 151892.227 $\pm$ 0.055	χ^2 /NDF: 1171639731.5/17	Right: 152755.689 $\pm$ 0.049	χ^2 /NDF: 1346872378.3/16
Right Out: 152875.313 $\pm$ 0.066	χ^2 /NDF: 716358700.9/18	In: 152037.337 $\pm$ 0.044	χ^2 /NDF: 1946841987.6/33
Left In: 151689.065 $\pm$ 0.056	χ^2 /NDF: 1221606170.9/16	Out: 152295.144 $\pm$ 0.042	χ^2 /NDF: 2018157710.1/33
		All: 152172.142 $\pm$ 0.031	χ^2 /NDF: 398265646.1/16

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 172.351+/-0.051 χ^2/NDF : 921911.1/16

Left Out: 199.743+/-0.039 χ^2/NDF : 360984.8/17

Right Out: 163.029+/-0.047 χ^2/NDF : 1032736.0/18

Left In: 201.611+/-0.040 χ^2/NDF : 381088.9/16

Left: 200.659+/-0.028 χ^2/NDF : 743198.1/34

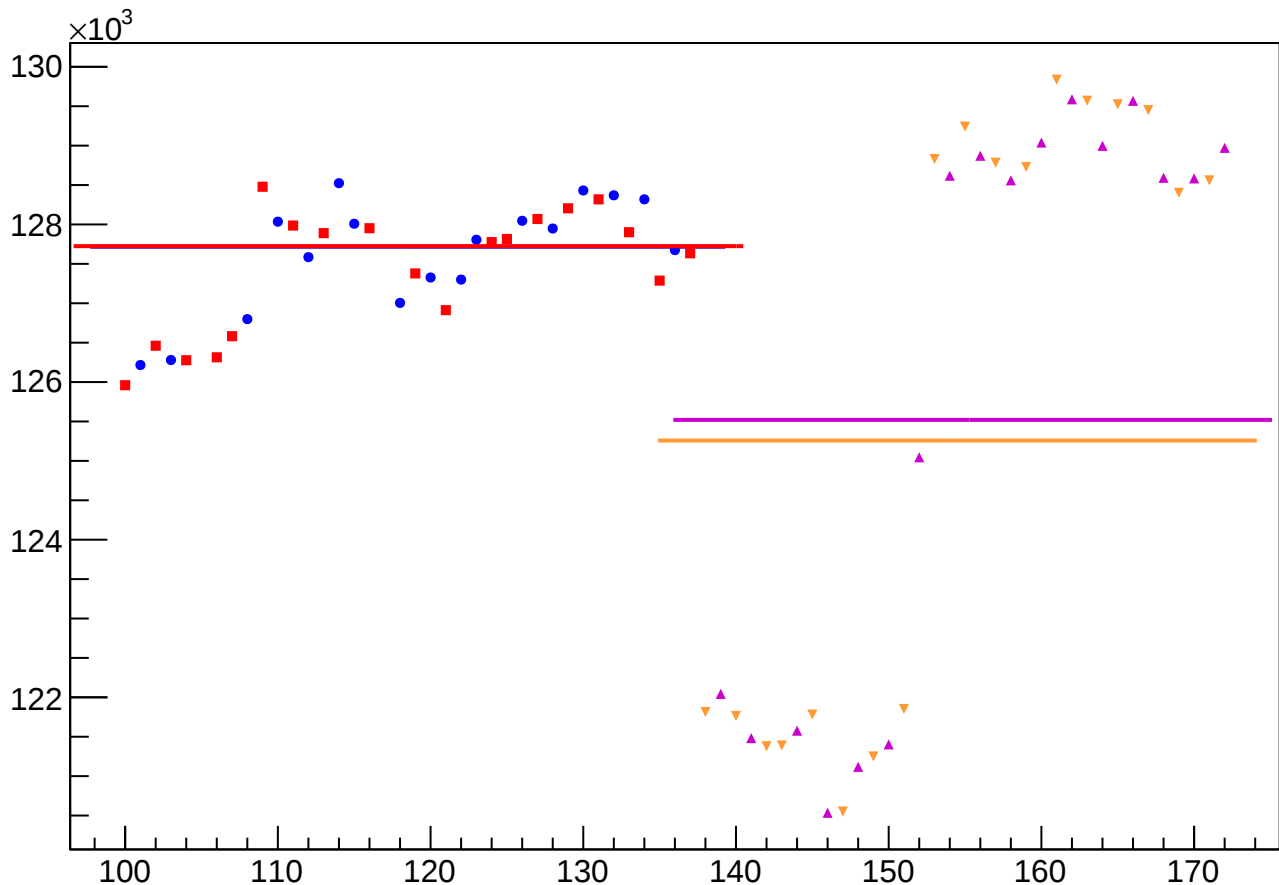
Right: 167.282+/-0.035 χ^2/NDF : 1972741.3/35

In: 190.583+/-0.031 χ^2/NDF : 1507292.2/33

Out: 184.696+/-0.030 χ^2/NDF : 1756781.6/36

All: 187.505+/-0.022 χ^2/NDF : 3282485.3/70

yield_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 127717.888 $\pm$ 0.058

χ^2 /NDF: 95177660.2/16

Left Out: 125258.380 $\pm$ 0.049

χ^2 /NDF: 5924189620.0/17

Right Out: 127724.519 $\pm$ 0.055

χ^2 /NDF: 112550604.4/18

Left In: 125520.093 $\pm$ 0.049

χ^2 /NDF: 5333086036.9/16

Left: 125390.039 $\pm$ 0.035

χ^2 /NDF: 11271596361.5

Right: 127721.424 $\pm$ 0.040

χ^2 /NDF: 207735167.4/3

In: 126424.799 $\pm$ 0.037

χ^2 /NDF: 6264846232.3/33

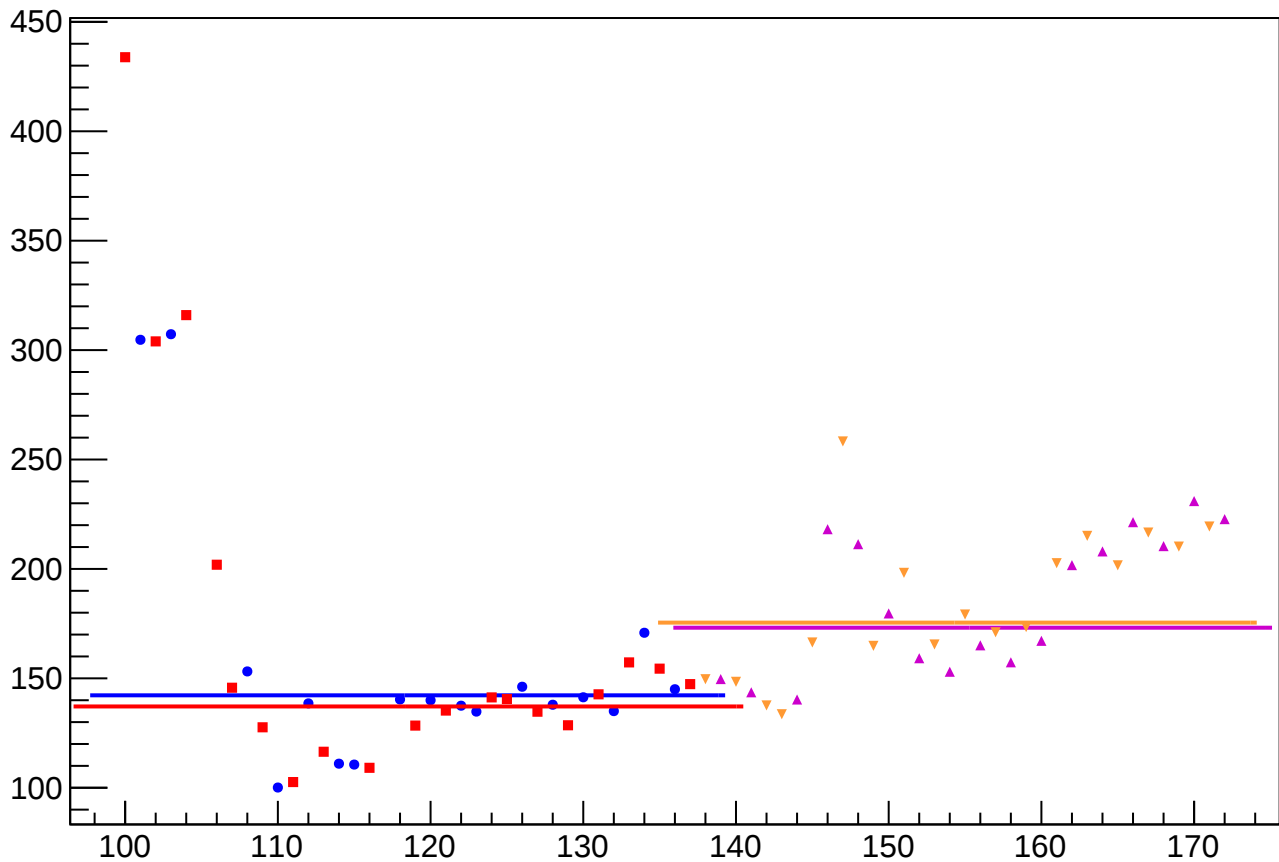
Out: 126361.569 $\pm$ 0.036

χ^2 /NDF: 7167460923.5/3

All: 126392.389 $\pm$ 0.026

χ^2 /NDF: 134337726

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 142.240 $\pm$ 0.041 χ^2 /NDF: 836415.1/16

Left Out: 175.466 $\pm$ 0.035 χ^2 /NDF: 741134.8/17

Right Out: 137.151 $\pm$ 0.039 χ^2 /NDF: 957730.8/18

Left In: 173.139 $\pm$ 0.034 χ^2 /NDF: 716923.1/16

Left: 174.296 $\pm$ 0.024 χ^2 /NDF: 1460322.8/34

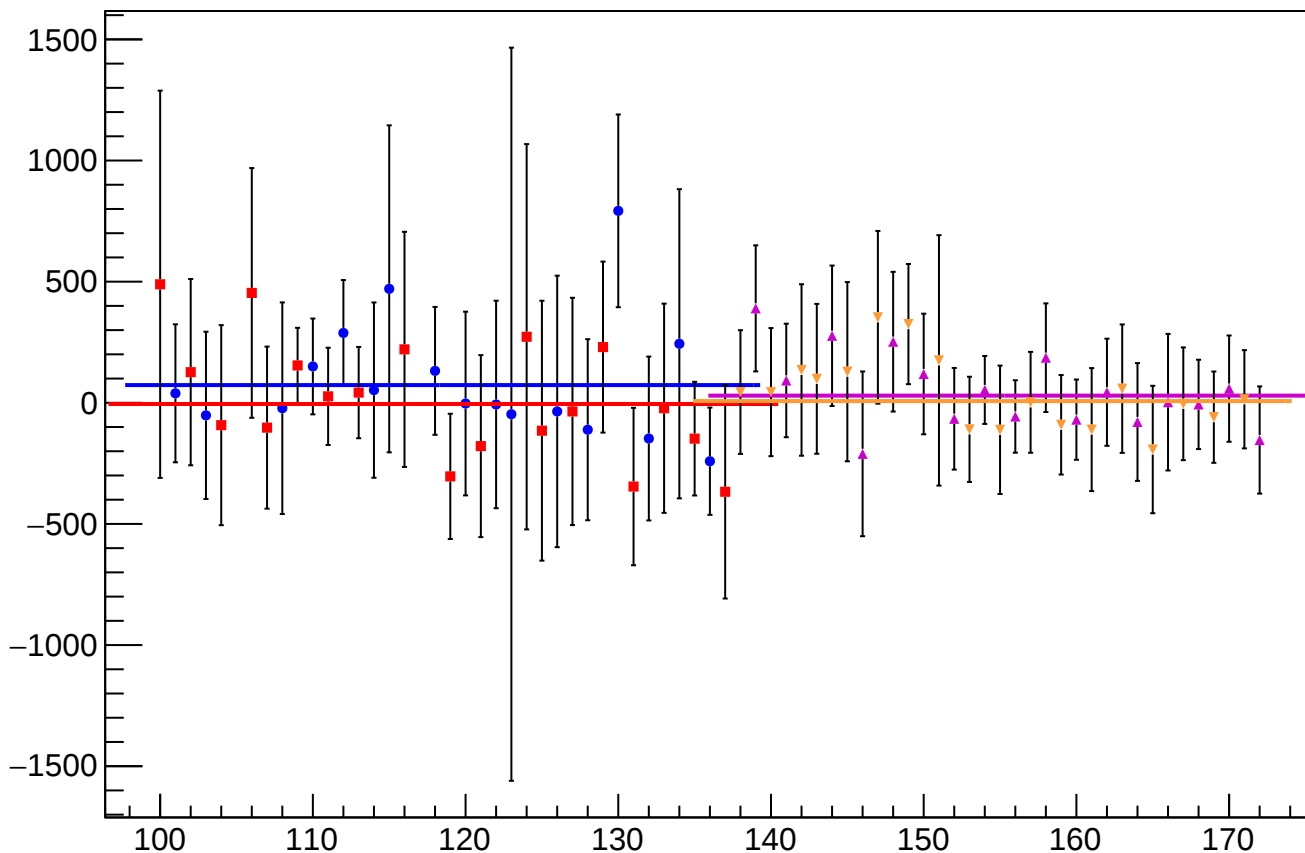
Right: 139.526 $\pm$ 0.028 χ^2 /NDF: 1802277.5/35

In: 160.420 $\pm$ 0.026 χ^2 /NDF: 1884048.4/33

Out: 158.327 $\pm$ 0.026 χ^2 /NDF: 2244738.4/36

All: 159.347 $\pm$ 0.018 χ^2 /NDF: 4131998.6/70

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 73.109+/-79.604 χ^2/NDF : 7.9/16

Left Out: 7.100+/-59.694 χ^2/NDF : 4.7/17

Right Out: -5.021+/-70.098 χ^2/NDF : 7.1/18

Left In: 29.608+/-51.507 χ^2/NDF : 6.3/16

Left: 20.002+/-38.997 χ^2/NDF : 11.1/34

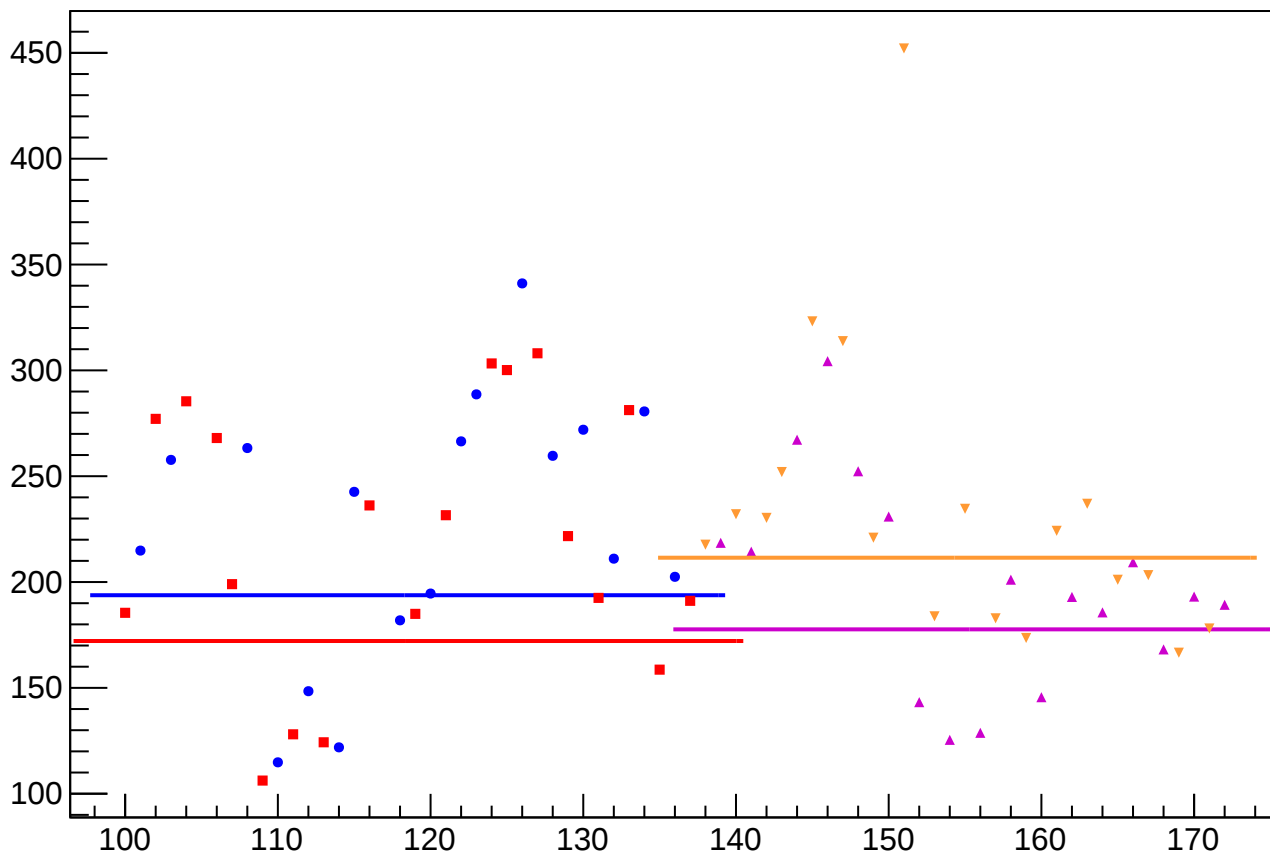
Right: 29.103+/-52.608 χ^2/NDF : 15.5/35

In: 42.446+/-43.244 χ^2/NDF : 14.4/33

Out: 2.005+/-45.448 χ^2/NDF : 11.8/36

All: 23.230+/-31.328 χ^2/NDF : 26.6/70

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 193.773+/-0.056 χ^2/NDF : 1017081.7/16

Left Out: 211.493+/-0.042 χ^2/NDF :1187136.1/17

Right Out: 172.142+/-0.050 χ^2/NDF : 1580035.1/18

Left In: 177.644+/-0.036 χ^2/NDF :1492421.5/16

Left: 192.090+/-0.028 χ^2/NDF : 3048185.2/34

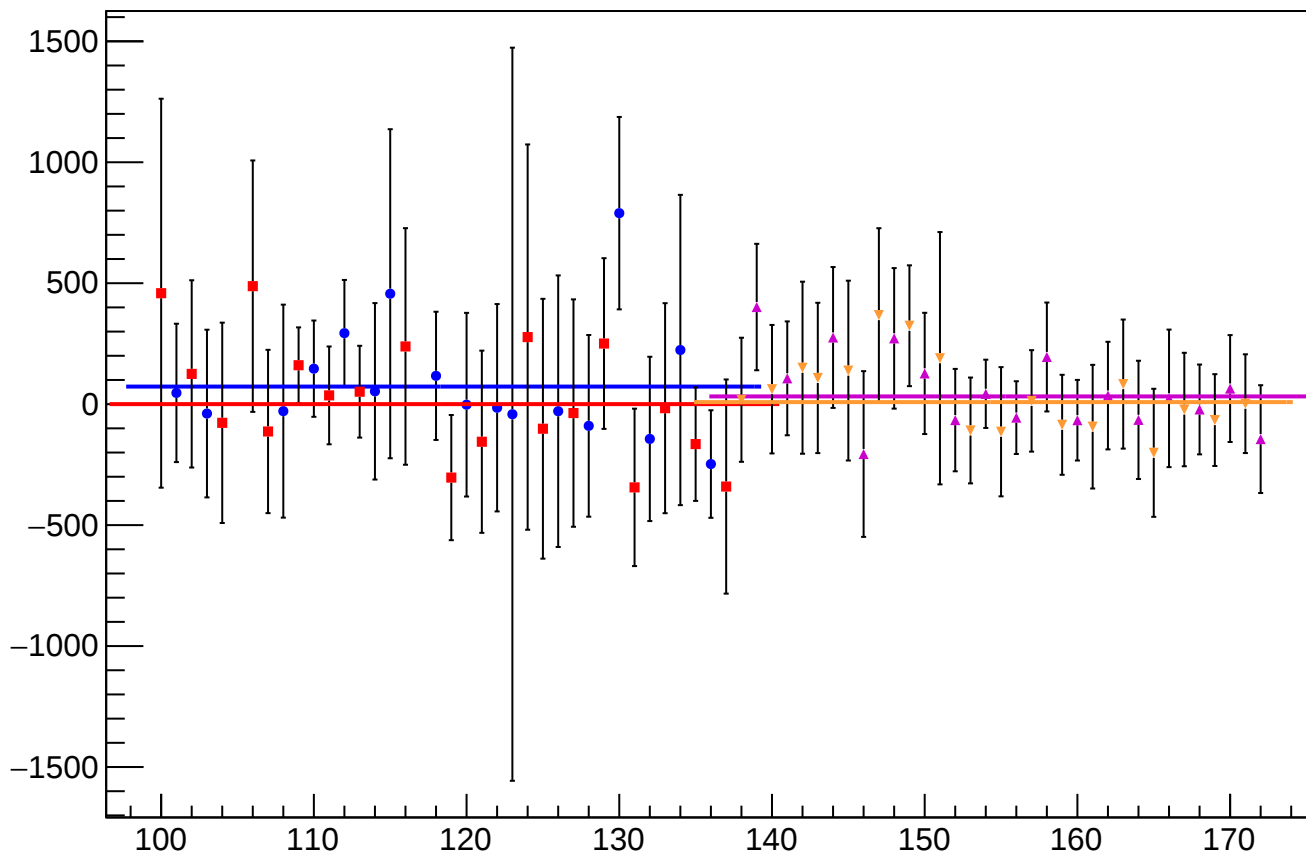
Right: 181.589+/-0.037 χ^2/NDF : 2680292.0/35

In: 182.404+/-0.031 χ^2/NDF :2567372.5/33

Out: 194.952+/-0.032 χ^2/NDF :3132517.3/36

All: 188.367+/-0.022 χ^2/NDF : 5779906.2/70

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 72.675+/-79.992 χ^2/NDF : 7.8/16

Left Out: 8.481+/-60.085 χ^2/NDF : 4.9/17

Right Out: 0.181+/-70.467 χ^2/NDF : 7.3/18

Left In: 32.037+/-51.832 χ^2/NDF : 6.4/16

Left: 21.987+/-39.247 χ^2/NDF : 11.4/34

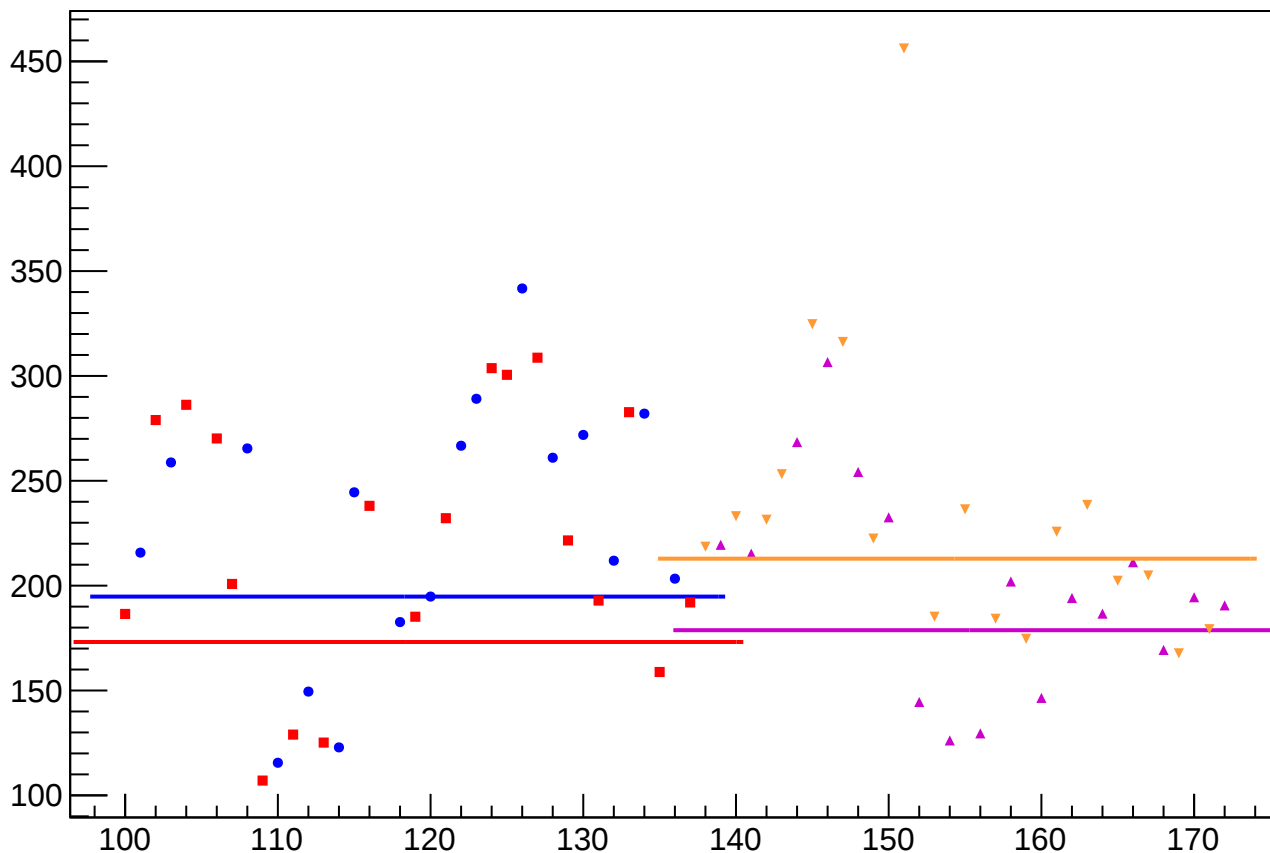
Right: 31.857+/-52.876 χ^2/NDF : 15.5/35

In: 44.054+/-43.498 χ^2/NDF : 14.4/33

Out: 4.987+/-45.721 χ^2/NDF : 12.2/36

All: 25.493+/-31.514 χ^2/NDF : 26.9/70

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 194.782 $\pm$ 0.057 χ^2 /NDF: 1008292.8/16

Left Out: 212.876 $\pm$ 0.042 χ^2 /NDF:1186069.6/17

Right Out: 173.131 $\pm$ 0.050 χ^2 /NDF: 1567556.0/18

Left In: 178.761 $\pm$ 0.037 χ^2 /NDF:1491239.0/16

Left: 193.316 $\pm$ 0.028 χ^2 /NDF: 3046979.6/34

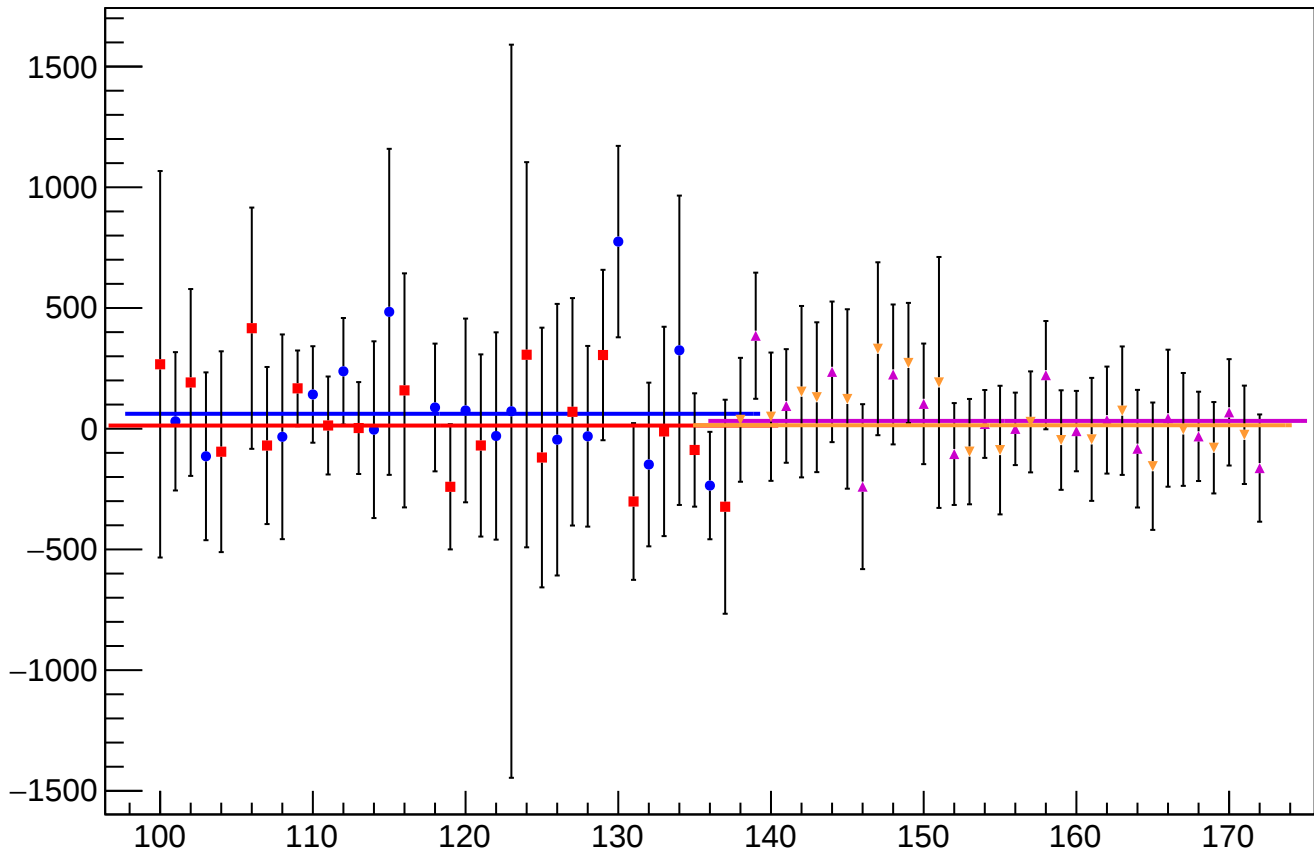
Right: 182.592 $\pm$ 0.037 χ^2 /NDF: 2658346.9/35

In: 183.498 $\pm$ 0.031 χ^2 /NDF:2556040.8/33

Out: 196.144 $\pm$ 0.032 χ^2 /NDF:3122019.5/36

All: 189.506 $\pm$ 0.022 χ^2 /NDF: 5758374.3/70

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 61.814 $\pm$ 79.986 χ^2 /NDF: 7.3/16

Left Out: 14.400 $\pm$ 59.949 χ^2 /NDF: 3.7/17

Right Out: 13.101 $\pm$ 70.391 χ^2 /NDF: 5.8/18

Left In: 32.371 $\pm$ 51.697 χ^2 /NDF: 5.9/16

Left: 24.706 $\pm$ 39.150 χ^2 /NDF: 9.7/34

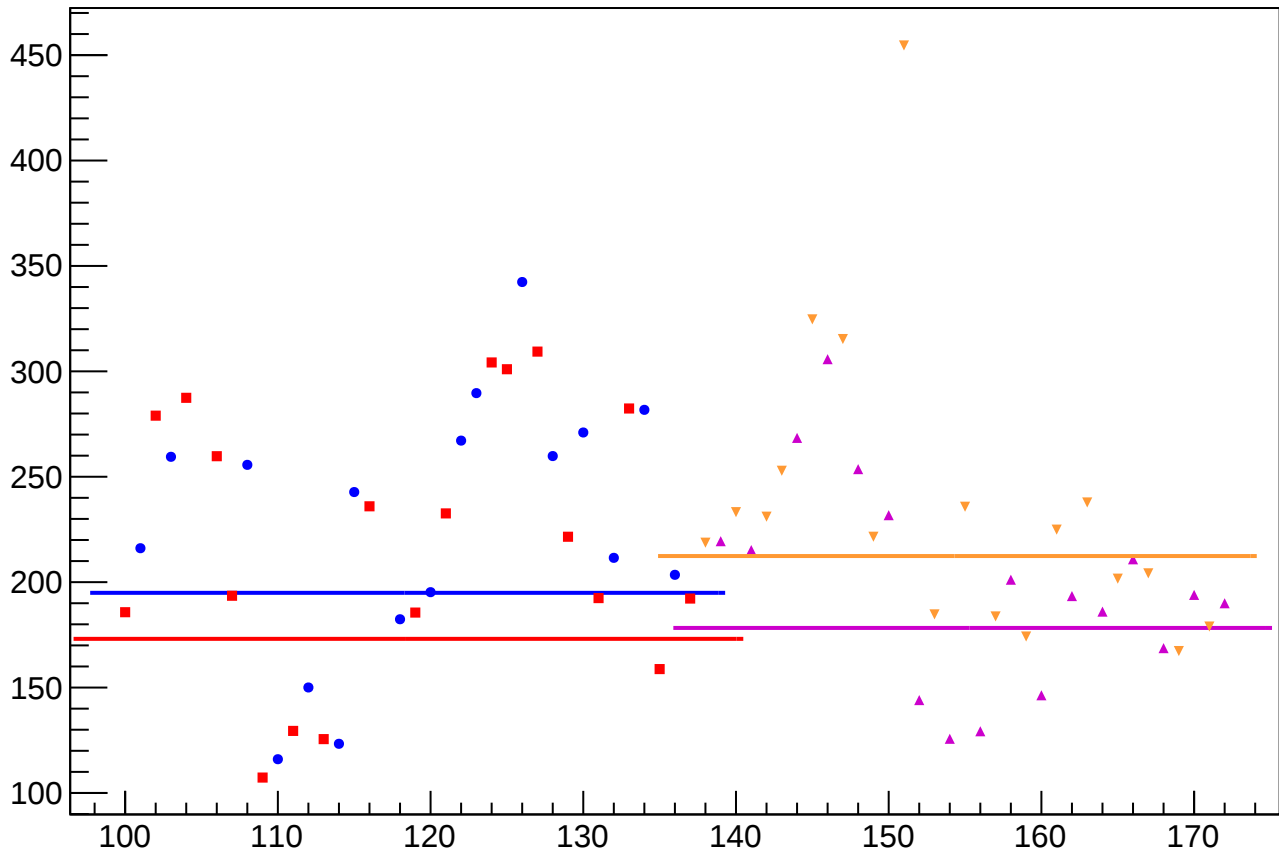
Right: 34.362 $\pm$ 52.842 χ^2 /NDF: 13.2/35

In: 41.046 $\pm$ 43.418 χ^2 /NDF: 13.3/33

Out: 13.854 $\pm$ 45.640 χ^2 /NDF: 9.4/36

All: 28.128 $\pm$ 31.457 χ^2 /NDF: 22.9/70

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 194.939 $\pm$ 0.057 χ^2 /NDF: 986629.1/16

Left Out: 212.388 $\pm$ 0.042 χ^2 /NDF:1187641.9/17

Right Out: 173.109 $\pm$ 0.050 χ^2 /NDF: 1544723.9/18

Left In: 178.285 $\pm$ 0.037 χ^2 /NDF:1494975.9/16

Left: 192.830 $\pm$ 0.028 χ^2 /NDF: 3053813.5/34

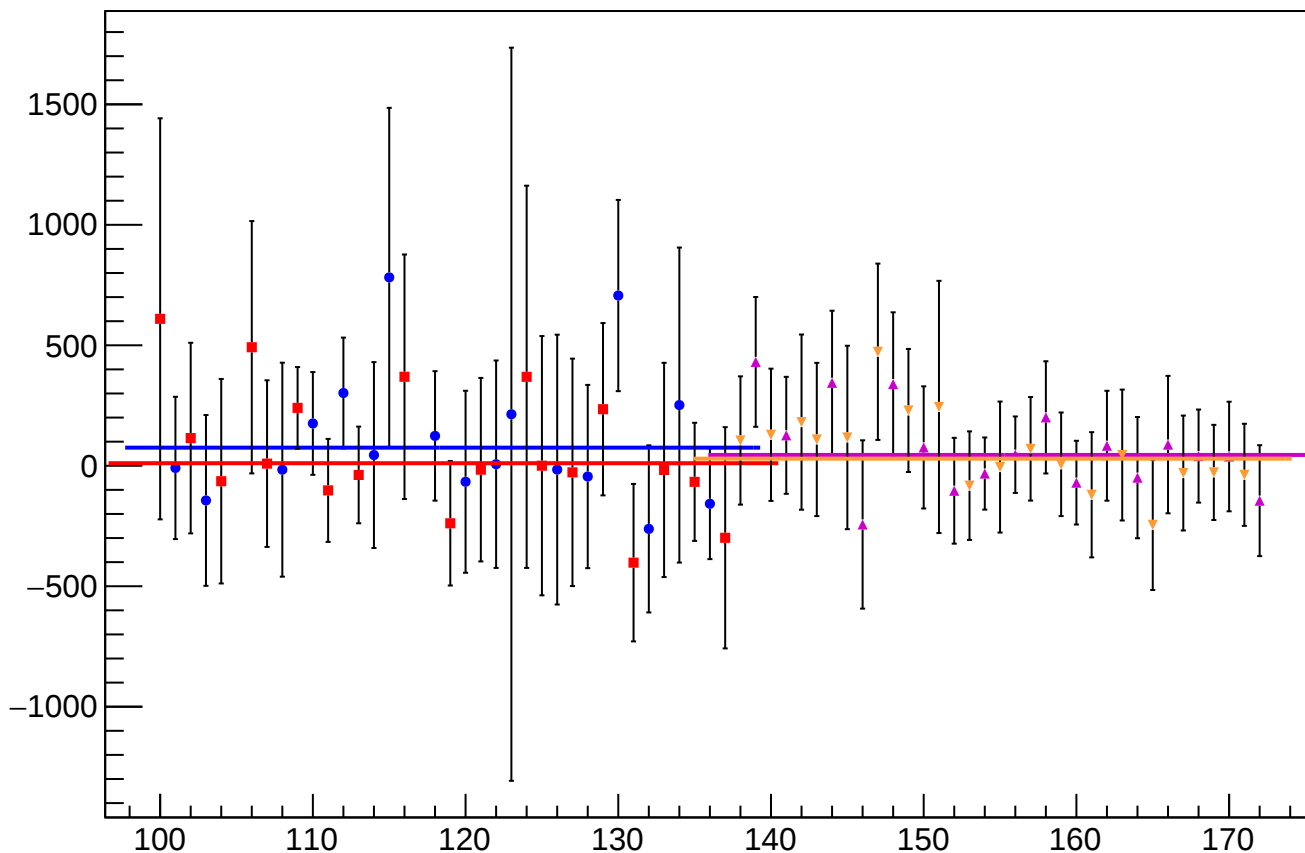
Right: 182.637 $\pm$ 0.037 χ^2 /NDF: 2615306.2/35

In: 183.192 $\pm$ 0.031 χ^2 /NDF:2542761.0/33

Out: 195.875 $\pm$ 0.032 χ^2 /NDF:3093324.9/36

All: 189.217 $\pm$ 0.022 χ^2 /NDF: 5717165.8/70

asym_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 75.207 $\pm$ 82.504 χ^2 /NDF: 7.6/16

Left Out: 29.510 $\pm$ 61.744 χ^2 /NDF: 4.7/17

Right Out: 10.674 $\pm$ 73.338 χ^2 /NDF: 7.8/18

Left In: 44.953 $\pm$ 53.766 χ^2 /NDF: 7.3/16

Left: 38.293 $\pm$ 40.548 χ^2 /NDF: 12.0/34

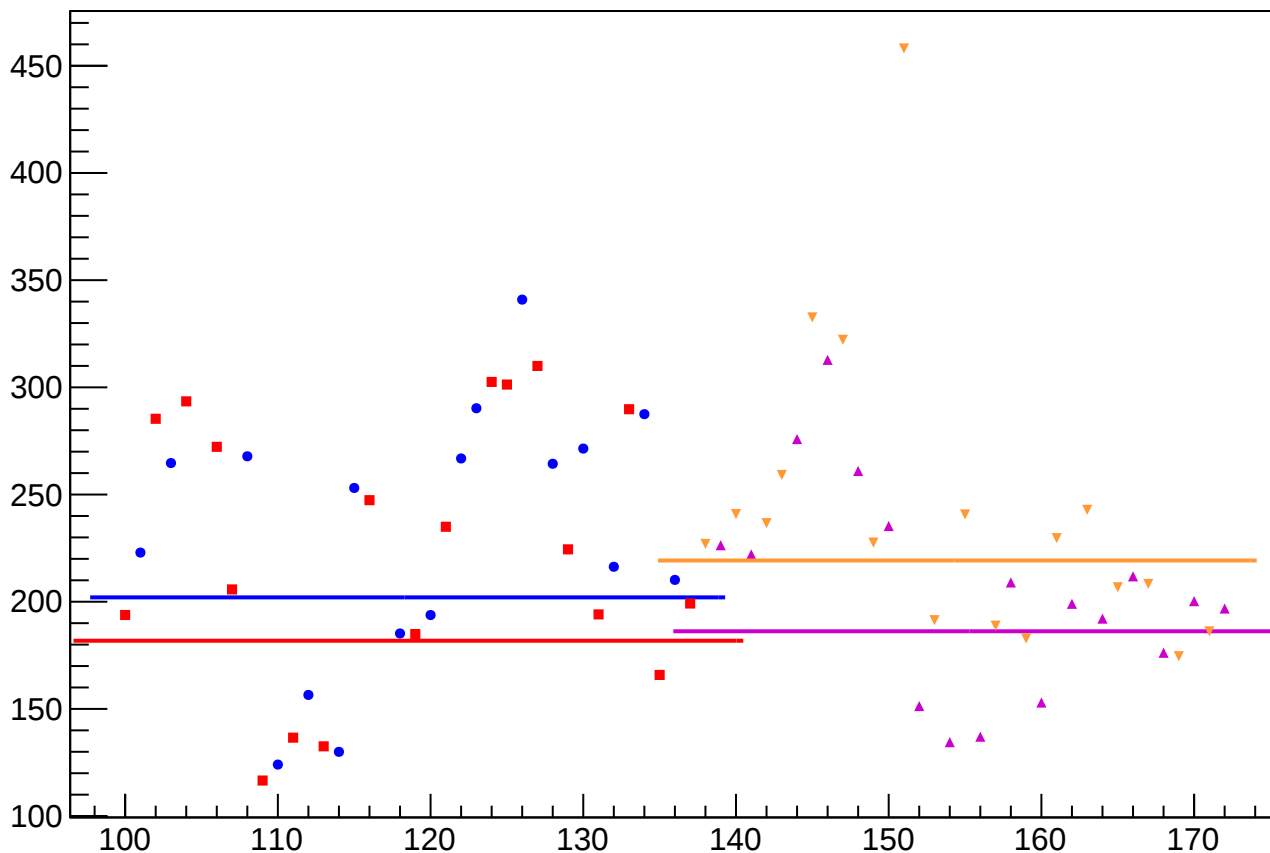
Right: 39.157 $\pm$ 54.813 χ^2 /NDF: 15.8/35

In: 53.971 $\pm$ 45.045 χ^2 /NDF: 15.0/33

Out: 21.696 $\pm$ 47.233 χ^2 /NDF: 12.6/36

All: 38.598 $\pm$ 32.598 χ^2 /NDF: 27.8/70

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 202.029+/-0.058 χ^2/NDF : 881608.7/16

Left Out: 219.241+/-0.044 χ^2/NDF : 1123047.4/17

Right Out: 181.811+/-0.052 χ^2/NDF : 1377537.2/18

Left In: 186.223+/-0.038 χ^2/NDF : 1345962.6/16

Left: 200.462+/-0.029 χ^2/NDF : 2794297.8/34

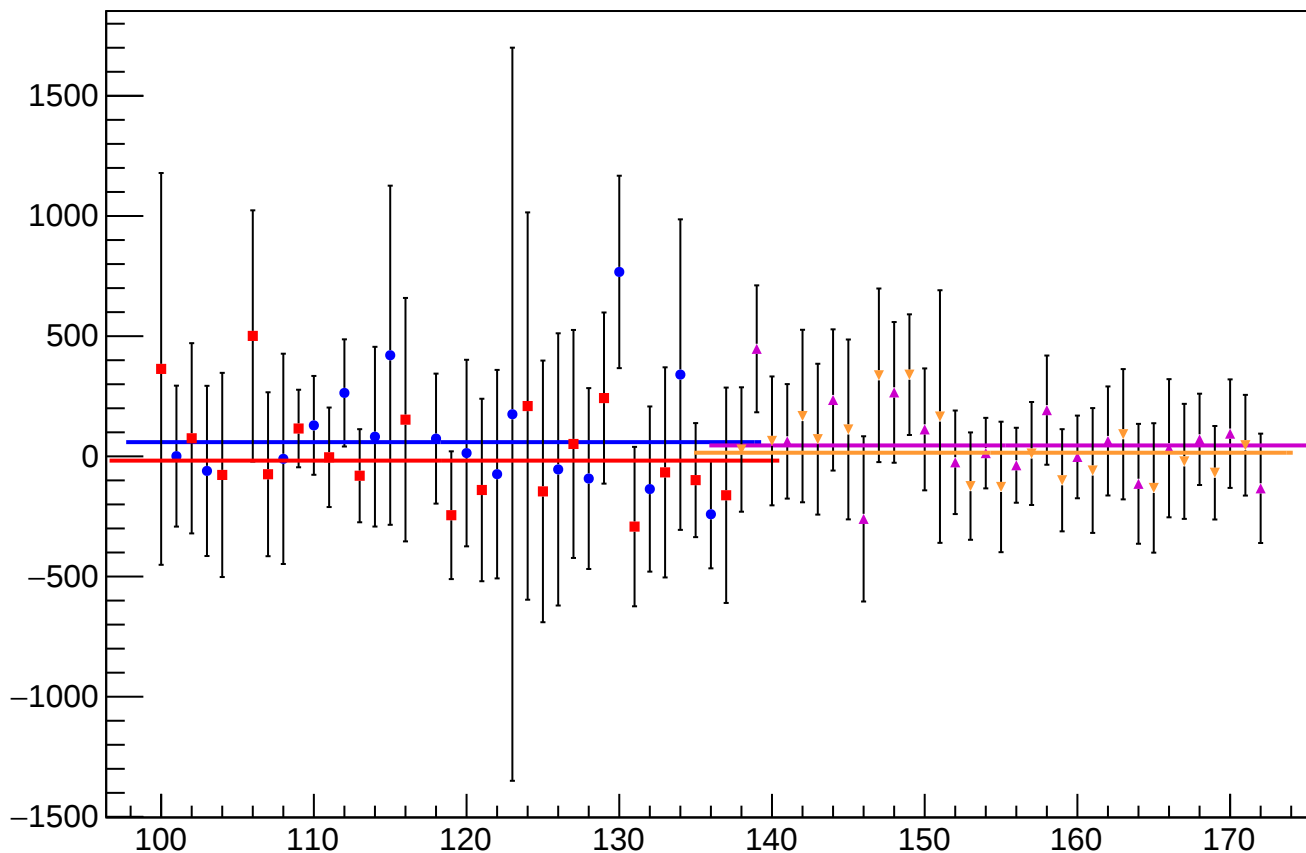
Right: 190.735+/-0.039 χ^2/NDF : 2326235.8/35

In: 190.934+/-0.032 χ^2/NDF : 2279096.9/33

Out: 203.715+/-0.033 χ^2/NDF : 2805456.8/36

All: 197.022+/-0.023 χ^2/NDF : 5161242.5/70

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 59.175 $\pm$ 81.417 χ^2 /NDF: 7.1/16

Left Out: 15.094 $\pm$ 61.138 χ^2 /NDF:4.5/17

Right Out: -17.727 $\pm$ 71.900 χ^2 /NDF: 4.7/18

Left In: 45.438 $\pm$ 53.014 χ^2 /NDF:6.2/16

Left: 32.415 $\pm$ 40.053 χ^2 /NDF: 10.8/34

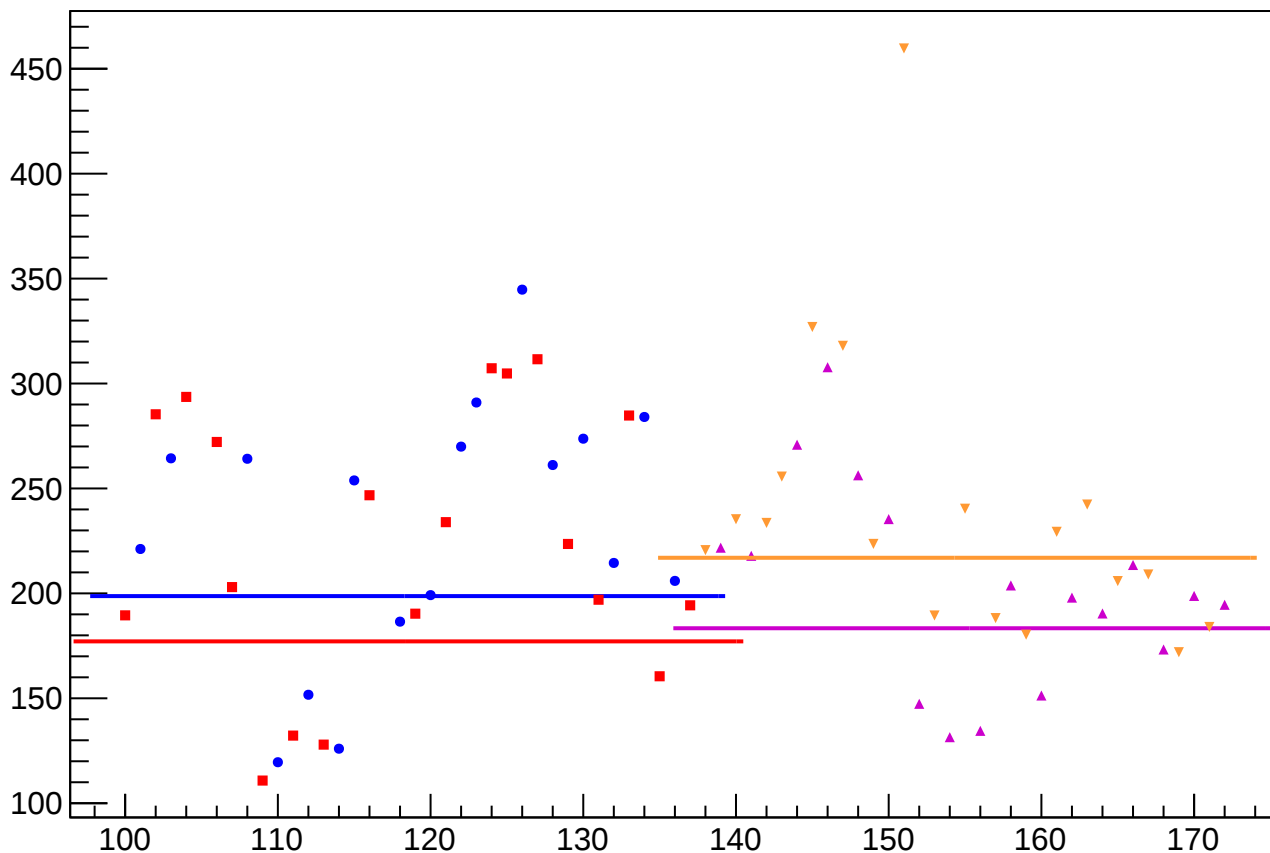
Right: 15.968 $\pm$ 53.893 χ^2 /NDF: 12.3/35

In: 49.528 $\pm$ 44.426 χ^2 /NDF:13.4/33

Out: 1.321 $\pm$ 46.576 χ^2 /NDF:9.3/36

All: 26.563 $\pm$ 32.147 χ^2 /NDF: 23.2/70

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 198.704 $\pm$ 0.058 χ^2 /NDF: 963394.4/16

Left Out: 216.965 $\pm$ 0.043 χ^2 /NDF:1126480.6/17

Right Out: 177.125 $\pm$ 0.051 χ^2 /NDF: 1524889.9/18

Left In: 183.381 $\pm$ 0.037 χ^2 /NDF:1371526.7/16

Left: 197.795 $\pm$ 0.028 χ^2 /NDF: 2842501.3/34

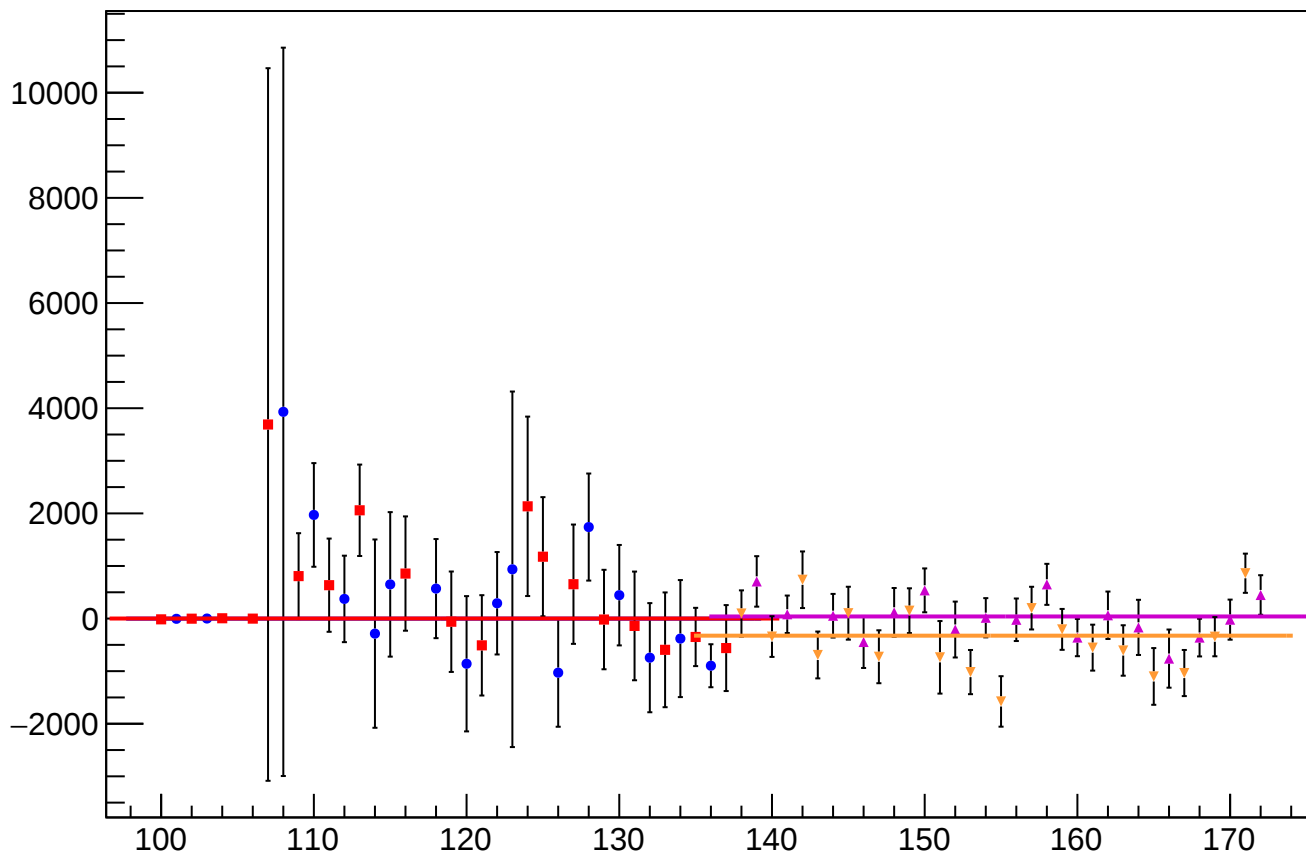
Right: 186.580 $\pm$ 0.038 χ^2 /NDF: 2567217.8/35

In: 187.943 $\pm$ 0.031 χ^2 /NDF:2384668.7/33

Out: 200.247 $\pm$ 0.033 χ^2 /NDF:3007763.4/36

All: 193.805 $\pm$ 0.023 χ^2 /NDF: 5465513.7/70

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.529 ± 2.251 χ^2/NDF : 16.6/16

Left Out: -325.187 ± 104.729 χ^2/NDF : 35.2/17

Right Out: 0.731 ± 2.111 χ^2/NDF : 18.4/18

Left In: 40.040 ± 101.303 χ^2/NDF : 13.0/16

Left: -136.502 ± 72.813 χ^2/NDF : 54.5/34

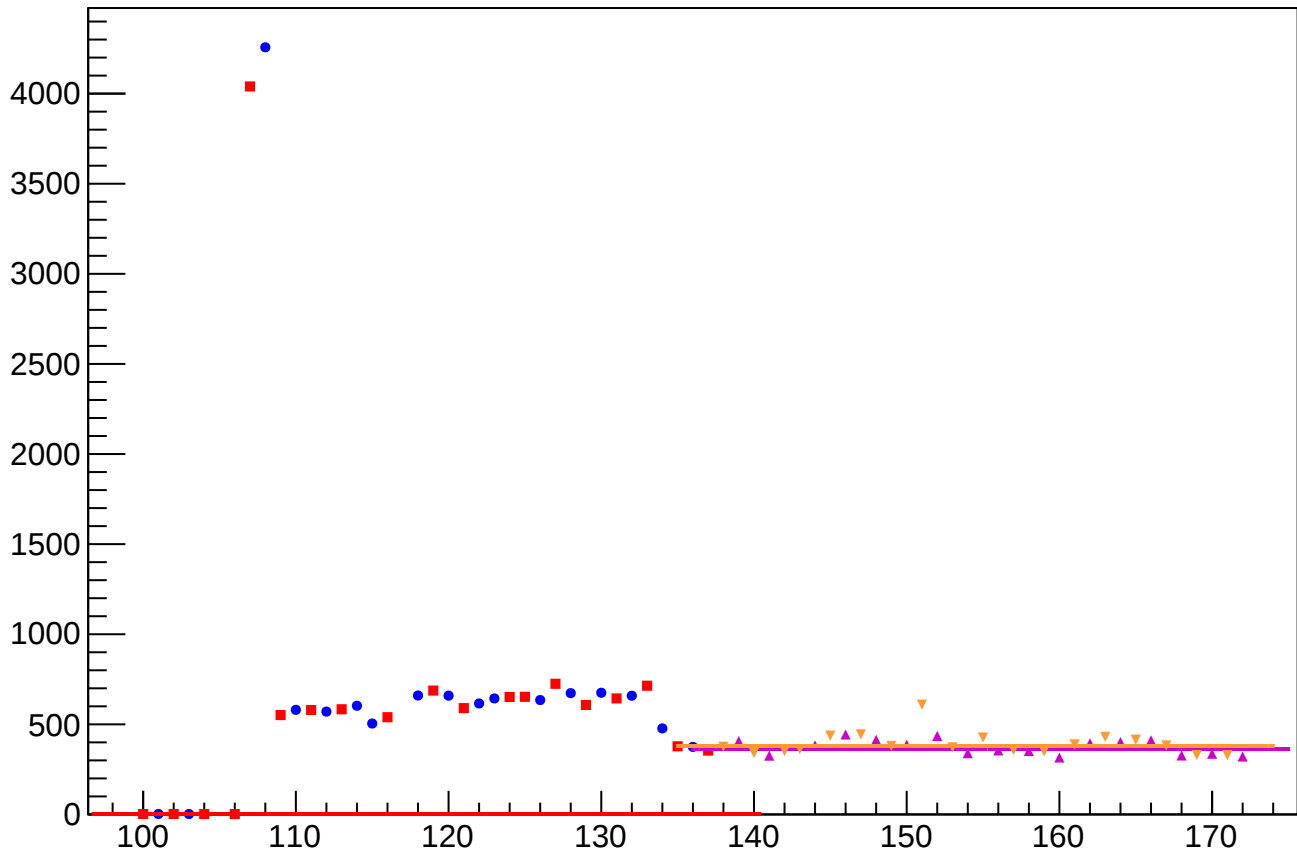
Right: -0.326 ± 1.540 χ^2/NDF : 35.6/35

In: -1.508 ± 2.251 χ^2/NDF : 29.9/33

Out: 0.599 ± 2.111 χ^2/NDF : 63.2/36

All: -0.387 ± 1.540 χ^2/NDF : 93.6/70

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.456+/-0.002 χ^2/NDF : 10706347.4/16

Left Out: 380.006+/-0.074 χ^2/NDF : 451726.5/17

Right Out: 2.437+/-0.001 χ^2/NDF : 11140185.1/18

Left In: 363.267+/-0.072 χ^2/NDF : 299177.0/16

Left: 371.358+/-0.051 χ^2/NDF : 777300.6/34

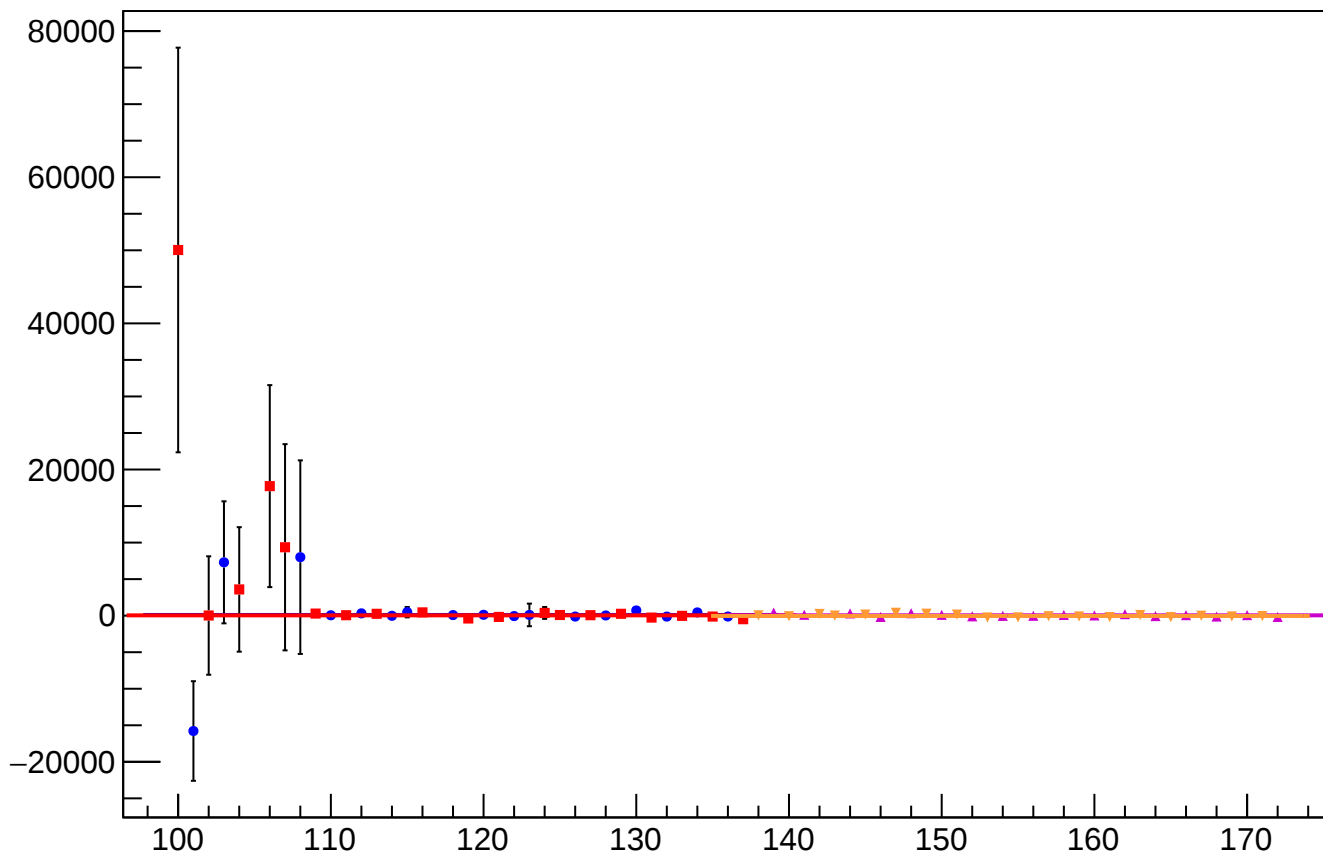
Right: 2.446+/-0.001 χ^2/NDF : 21846612.0/35

In: 2.634+/-0.002 χ^2/NDF : 36364360.3/33

Out: 2.590+/-0.001 χ^2/NDF : 37576339.7/36

All: 2.611+/-0.001 χ^2/NDF : 73941111.0/70

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: 95.353+/-91.708 χ^2/NDF : 12.0/16

Left Out: -37.617+/-63.606 χ^2/NDF : 5.9/17

Right Out: 42.617+/-84.547 χ^2/NDF : 14.0/18

Left In: 45.878+/-56.279 χ^2/NDF : 7.1/16

Left: 9.215+/-42.149 χ^2/NDF : 14.0/34

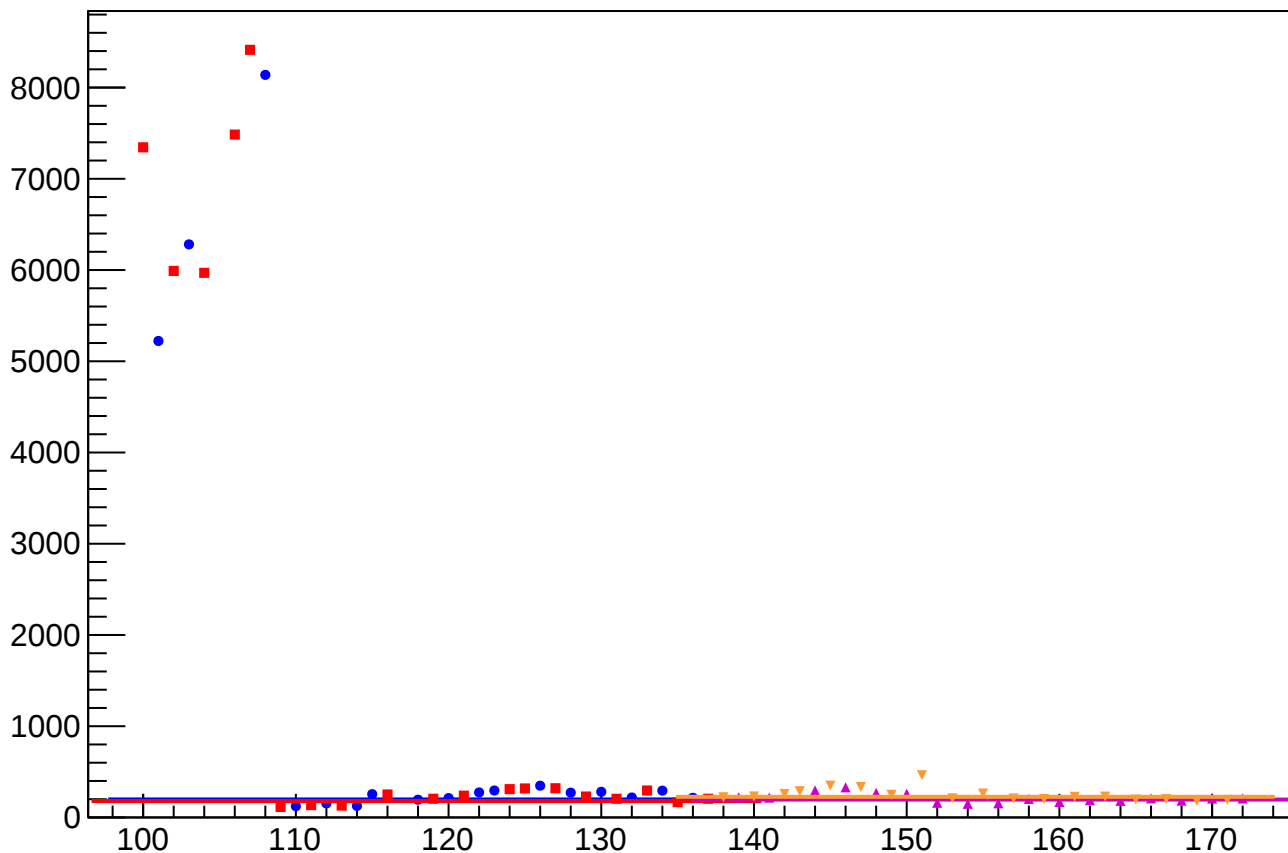
Right: 66.846+/-62.161 χ^2/NDF : 26.2/35

In: 59.413+/-47.967 χ^2/NDF : 19.3/33

Out: -8.618+/-50.828 χ^2/NDF : 20.5/36

All: 27.366+/-34.885 χ^2/NDF : 40.8/70

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 197.422+/-0.065 χ^2/NDF : 3695848.3/16

Left Out: 226.171+/-0.045 χ^2/NDF : 1107568.9/17

Right Out: 179.983+/-0.060 χ^2/NDF : 4321404.4/18

Left In: 196.148+/-0.040 χ^2/NDF : 1081897.9/16

Left: 209.331+/-0.030 χ^2/NDF : 2439412.7/34

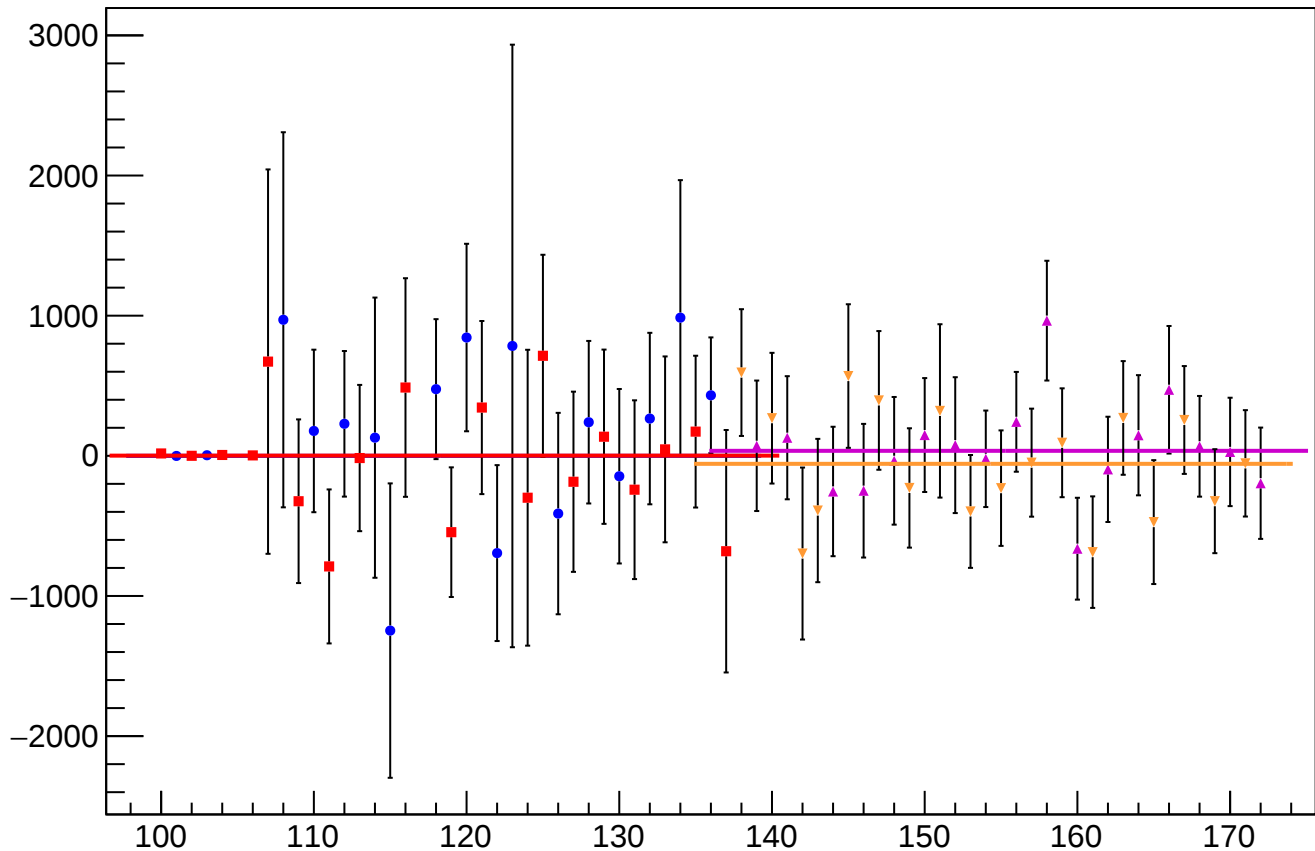
Right: 187.995+/-0.044 χ^2/NDF : 8056346.9/35

In: 196.496+/-0.034 χ^2/NDF : 4778026.8/33

Out: 209.478+/-0.036 χ^2/NDF : 5810145.4/36

All: 202.611+/-0.025 χ^2/NDF : 10657176.9/70

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: -0.139 ± 1.737 χ^2/NDF : 9.8/16

Left Out: -57.161 ± 102.119 χ^2/NDF : 13.2/17

Right Out: 1.324 ± 1.623 χ^2/NDF : 9.5/18

Left In: 35.640 ± 99.247 χ^2/NDF : 11.1/16

Left: -9.437 ± 71.172 χ^2/NDF : 24.8/34

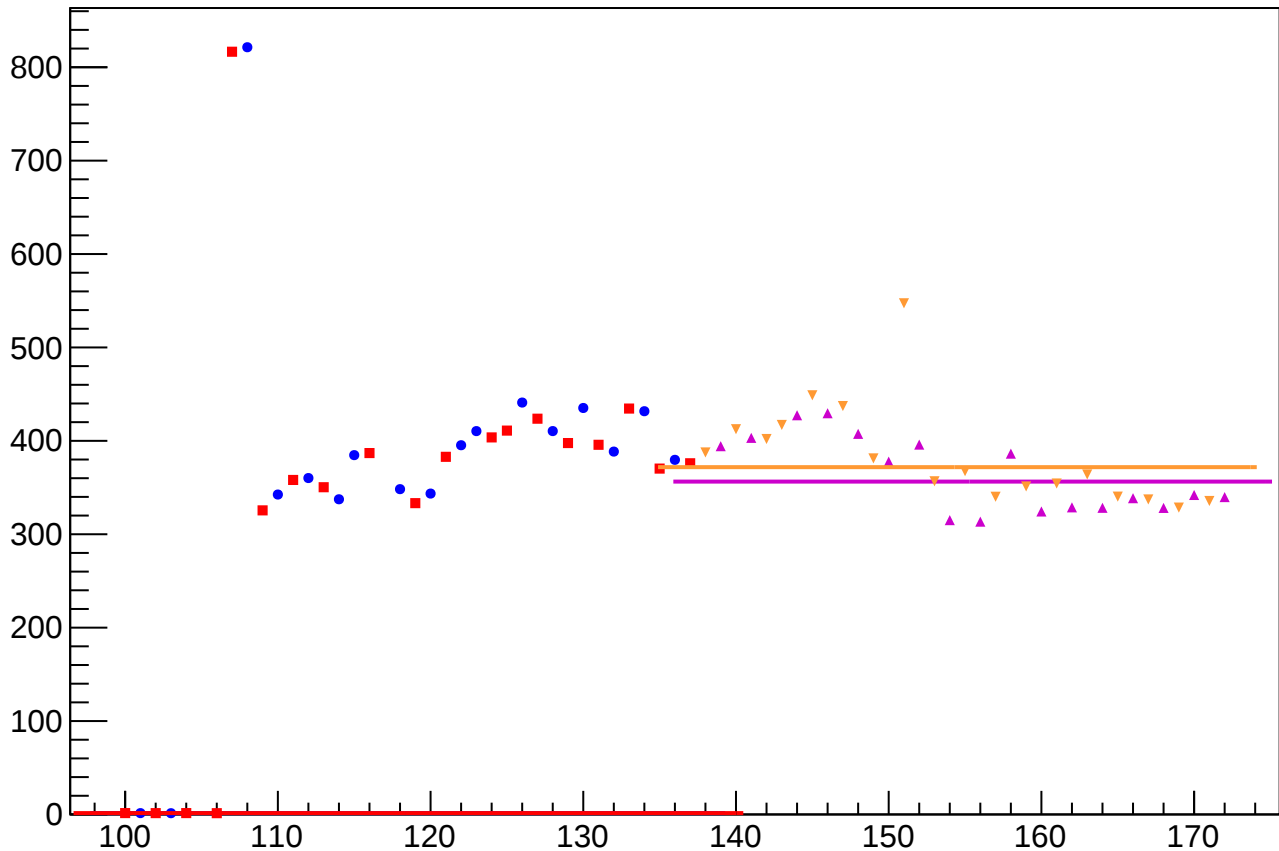
Right: 0.642 ± 1.186 χ^2/NDF : 19.7/35

In: -0.128 ± 1.736 χ^2/NDF : 21.1/33

Out: 1.309 ± 1.622 χ^2/NDF : 23.0/36

All: 0.639 ± 1.185 χ^2/NDF : 44.5/70

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.452 $\pm$ 0.001 χ^2 /NDF: 10815892.9/16

Left Out: 371.835 $\pm$ 0.072 χ^2 /NDF: 378661.0/17

Right Out: 1.451 $\pm$ 0.001 χ^2 /NDF: 10873552.2/18

Left In: 356.373 $\pm$ 0.070 χ^2 /NDF: 298491.1/16

Left: 363.884 $\pm$ 0.050 χ^2 /NDF: 700730.2/34

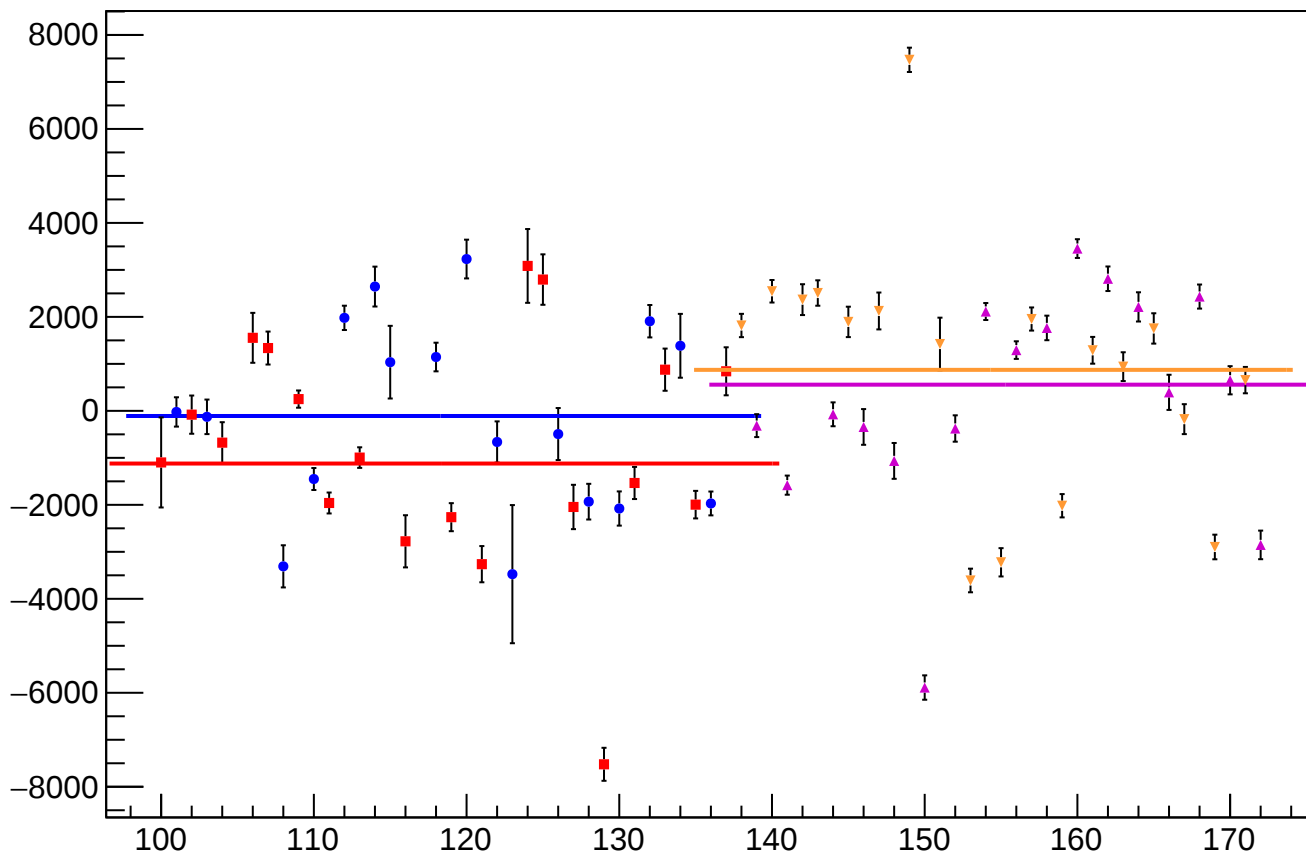
Right: 1.452 $\pm$ 0.001 χ^2 /NDF: 21689445.7/35

In: 1.561 $\pm$ 0.001 χ^2 /NDF: 36683948.1/33

Out: 1.545 $\pm$ 0.001 χ^2 /NDF: 37555409.3/36

All: 1.552 $\pm$ 0.001 χ^2 /NDF: 74239451.8/70

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: -109.225 $\pm$ 87.961 χ^2/NDF : 428.3/16

Left Out: 872.656 $\pm$ 67.412 χ^2/NDF : 1677.8/17

Right Out: -1121.203 $\pm$ 78.396 χ^2/NDF : 670.1/18

Left In: 557.336 $\pm$ 61.318 χ^2/NDF : 1385.5/16

Left: 700.103 $\pm$ 45.360 χ^2/NDF : 3075.3/34

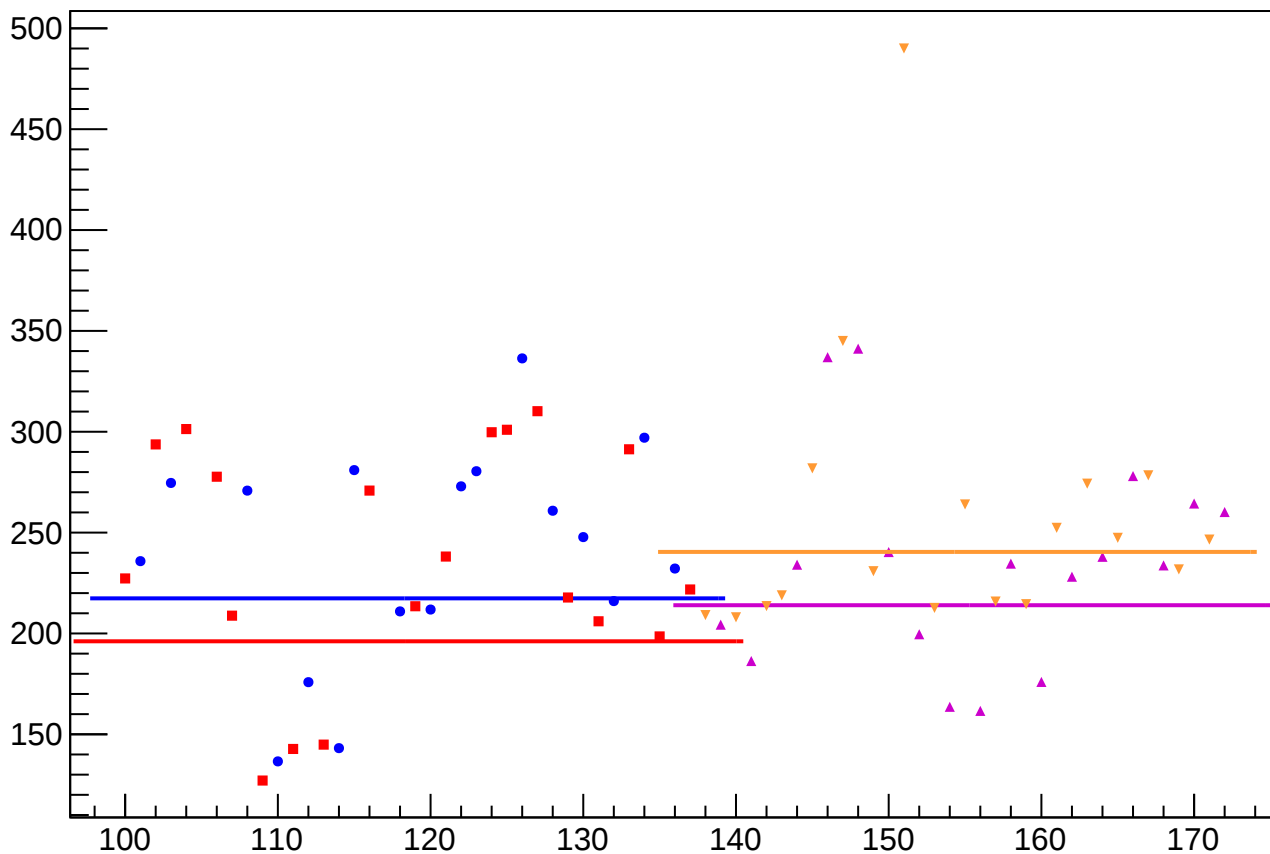
Right: -673.210 $\pm$ 58.525 χ^2/NDF : 1172.2/35

In: 339.352 $\pm$ 50.302 χ^2/NDF : 1852.5/33

Out: 25.086 $\pm$ 51.113 χ^2/NDF : 2719.8/36

All: 184.734 $\pm$ 35.852 χ^2/NDF : 4591.5/70

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 217.403+/-0.062 χ^2/NDF : 652632.9/16

Left Out: 240.431+/-0.048 χ^2/NDF : 806791.2/17

Right Out: 196.112+/-0.055 χ^2/NDF : 1190862.3/18

Left In: 214.000+/-0.043 χ^2/NDF : 1097655.5/16

Left: 225.967+/-0.032 χ^2/NDF : 2072691.1/34

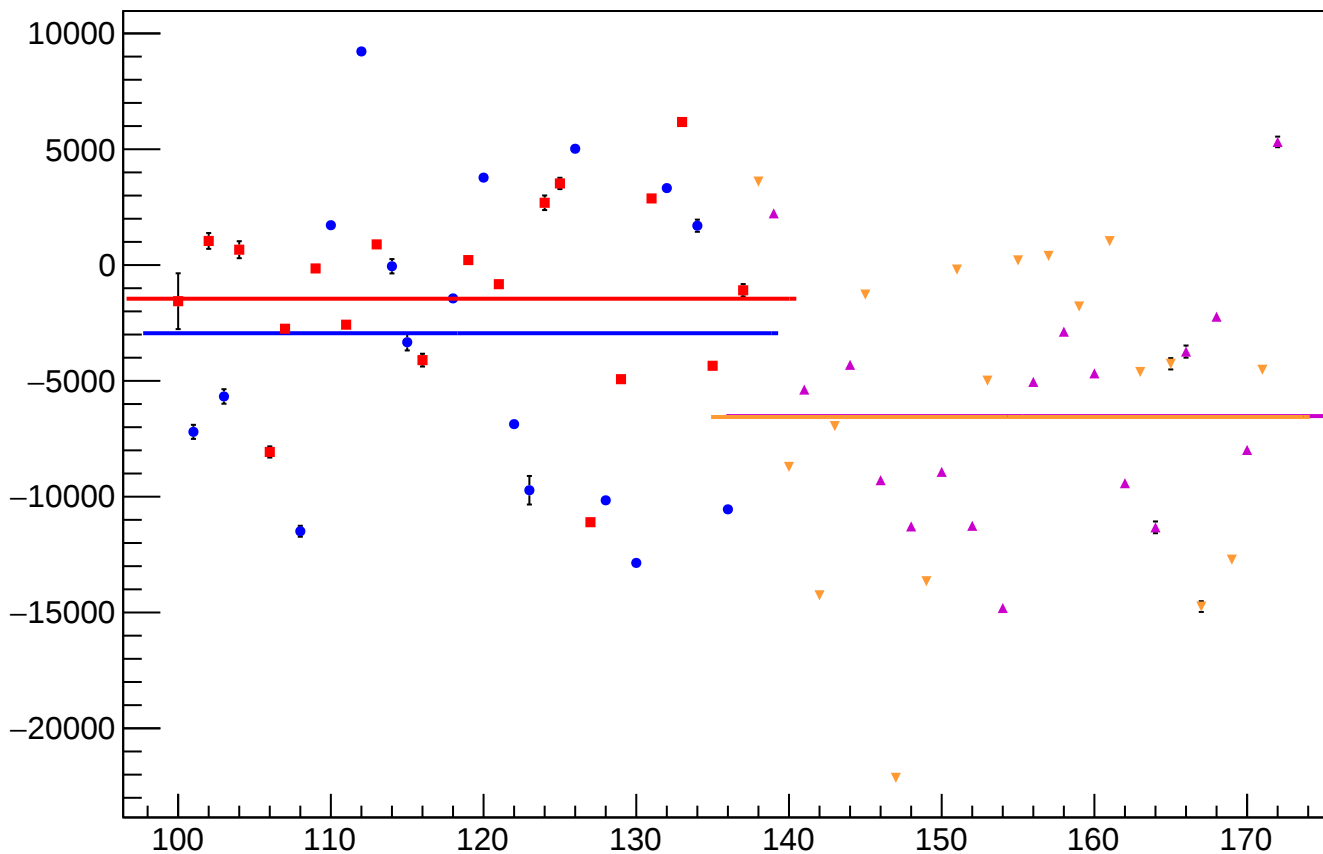
Right: 205.537+/-0.041 χ^2/NDF : 1908796.2/35

In: 215.113+/-0.036 χ^2/NDF : 1752302.2/33

Out: 221.591+/-0.036 χ^2/NDF : 2365117.8/36

All: 218.300+/-0.025 χ^2/NDF : 4133741.0/70

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: -2943.123+/-48.612 χ^2/NDF : 20909.8/16

Left Out: -6560.071+/-38.265 χ^2/NDF :36467.5/17

Right Out: -1453.116+/-46.404 χ^2/NDF : 7996.0/18

Left In: -6519.768+/-39.094 χ^2/NDF :14711.8/16

Left: -6540.351+/-27.346 χ^2/NDF : 51179.8/34

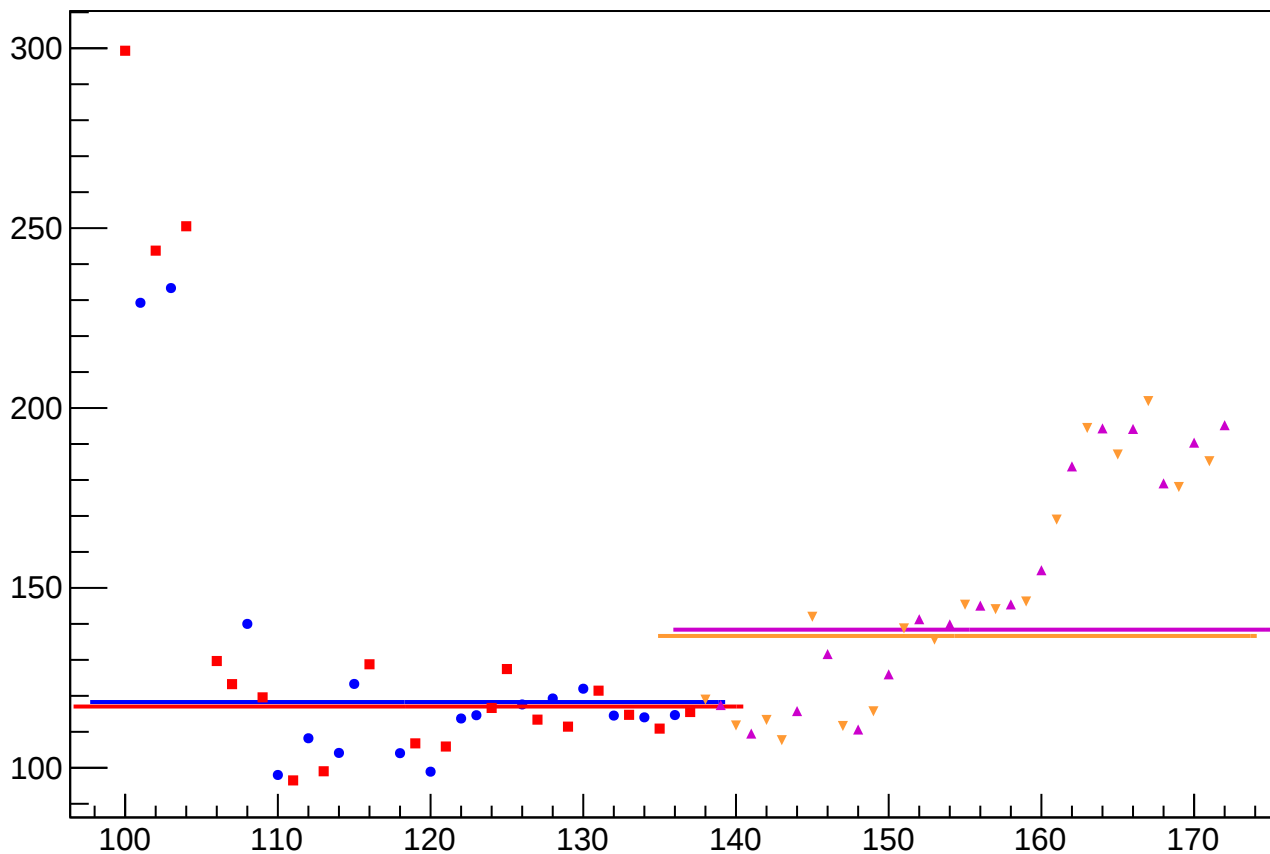
Right: -2163.502+/-33.566 χ^2/NDF : 29397.3/35

In: -5115.086+/-30.465 χ^2/NDF :38908.9/33

Out: -4493.007+/-29.522 χ^2/NDF :51673.2/36

All: -4794.274+/-21.201 χ^2/NDF : 90797.1/70

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 118.286+/-0.034 χ^2/NDF : 636918.0/16

Left Out: 136.644+/-0.027 χ^2/NDF : 1016162.1/17

Right Out: 117.031+/-0.033 χ^2/NDF : 690861.5/18

Left In: 138.396+/-0.028 χ^2/NDF : 973018.7/16

Left: 137.501+/-0.019 χ^2/NDF : 1991230.8/34

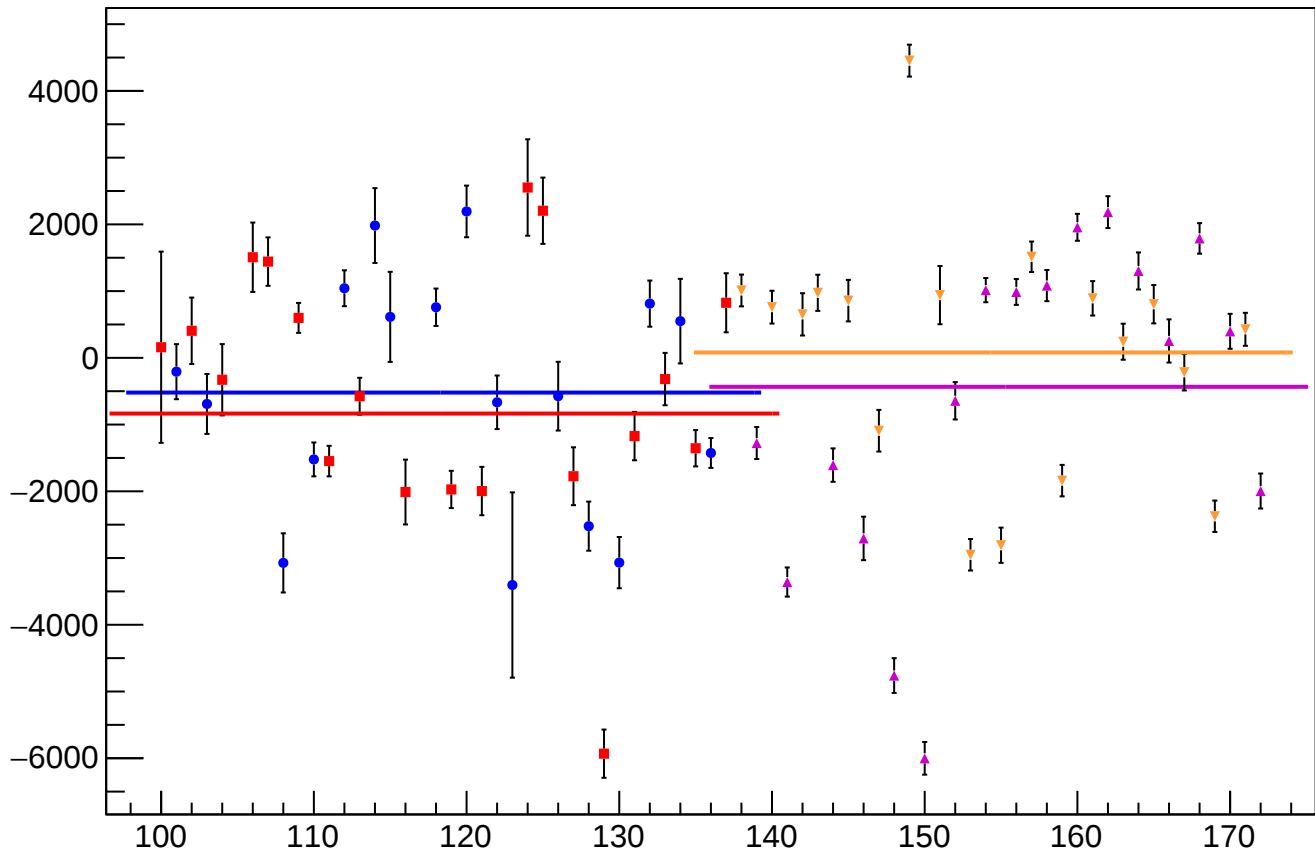
Right: 117.629+/-0.024 χ^2/NDF : 1328476.0/35

In: 130.498+/-0.022 χ^2/NDF : 1817782.7/33

Out: 128.706+/-0.021 χ^2/NDF : 1919690.7/36

All: 129.574+/-0.015 χ^2/NDF : 3741041.3/70

asym_bpm0i07WS_mean vs Slug, Sign Corrected



Right In: -520.267 ± 89.241 χ^2/NDF : 288.1/16

Left Out: 80.520 ± 62.102 χ^2/NDF : 914.3/17

Right Out: -834.834 ± 82.273 χ^2/NDF : 434.7/18

Left In: -434.211 ± 58.109 χ^2/NDF : 1659.3/16

Left: -193.926 ± 42.431 χ^2/NDF : 2610.2/34

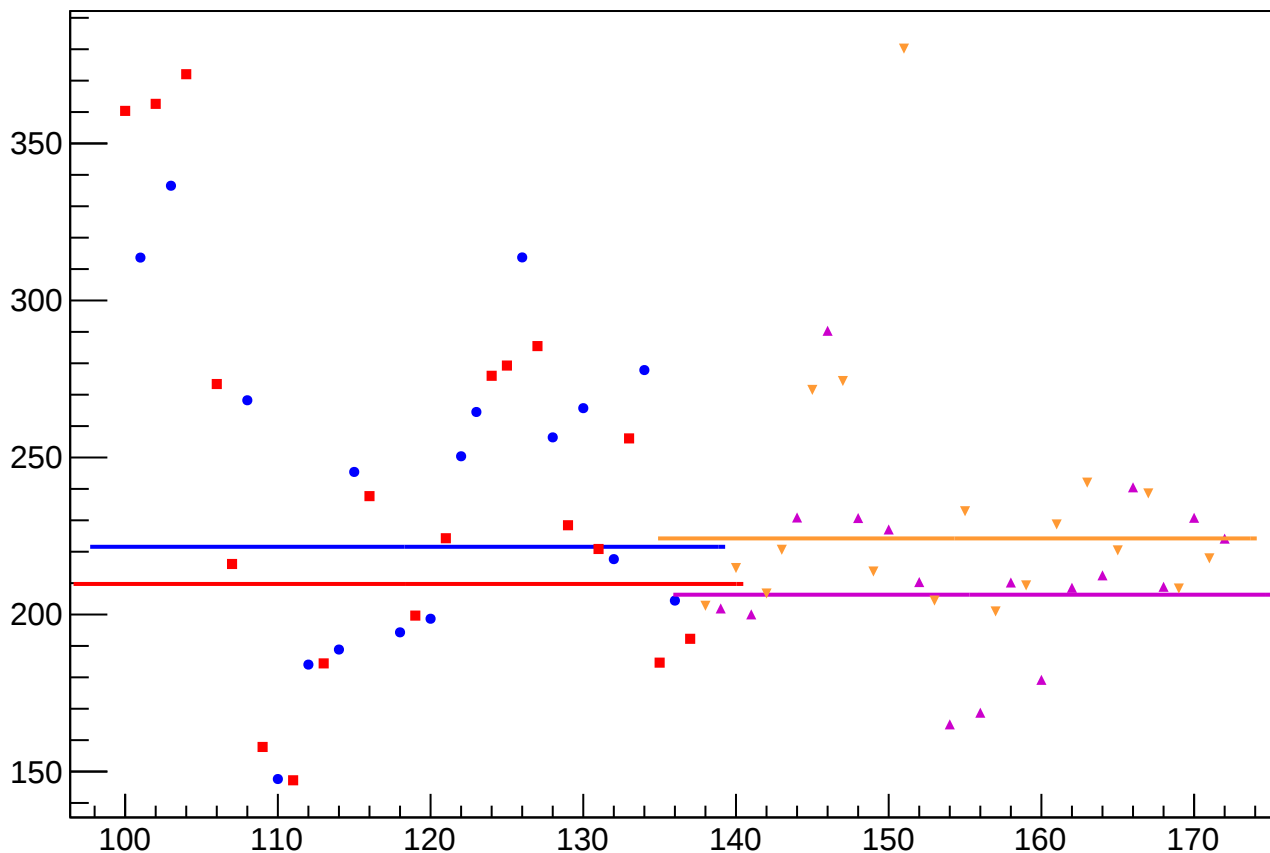
Right: -690.308 ± 60.489 χ^2/NDF : 729.5/35

In: -459.834 ± 48.695 χ^2/NDF : 1948.1/33

Out: -251.718 ± 49.567 χ^2/NDF : 1427.8/36

All: -357.621 ± 34.737 χ^2/NDF : 3384.9/70

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 221.570 $\pm$ 0.063 χ^2 /NDF: 644941.4/16

Left Out: 224.232 $\pm$ 0.044 χ^2 /NDF: 453561.1/17

Right Out: 209.736 $\pm$ 0.058 χ^2 /NDF: 883922.1/18

Left In: 206.313 $\pm$ 0.041 χ^2 /NDF: 453185.0/16

Left: 214.678 $\pm$ 0.030 χ^2 /NDF: 995528.0/34

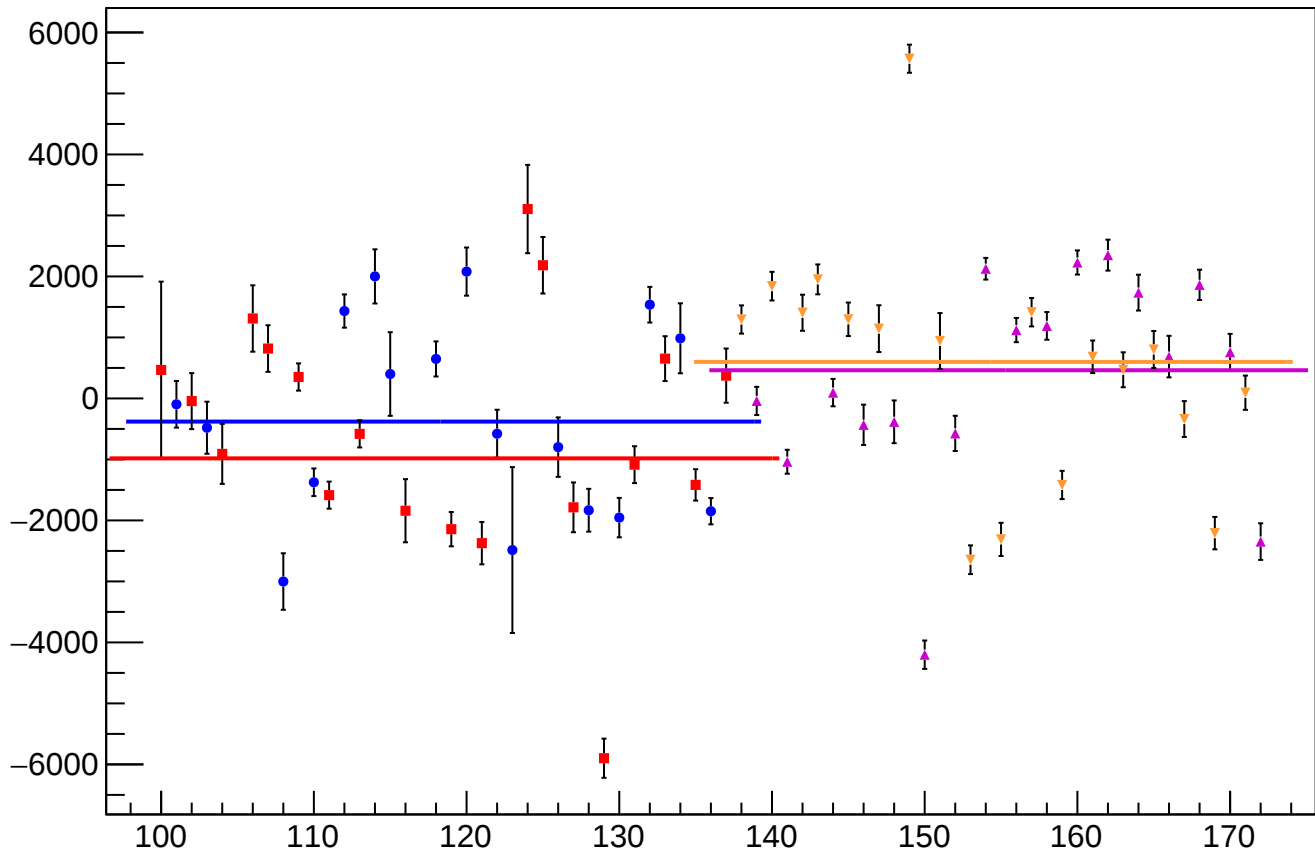
Right: 215.173 $\pm$ 0.043 χ^2 /NDF: 1547873.9/35

In: 210.855 $\pm$ 0.034 χ^2 /NDF: 1139178.7/33

Out: 218.970 $\pm$ 0.035 χ^2 /NDF: 1377034.5/36

All: 214.841 $\pm$ 0.025 χ^2 /NDF: 2543491.7/70

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: -379.647+/-84.260 χ^2/NDF : 317.2/16

Left Out: 599.109+/-62.897 χ^2/NDF :1067.8/17

Right Out: -982.539+/-77.724 χ^2/NDF : 476.3/18

Left In: 462.136+/-58.886 χ^2/NDF :877.0/16

Left: 526.116+/-42.987 χ^2/NDF : 1947.4/34

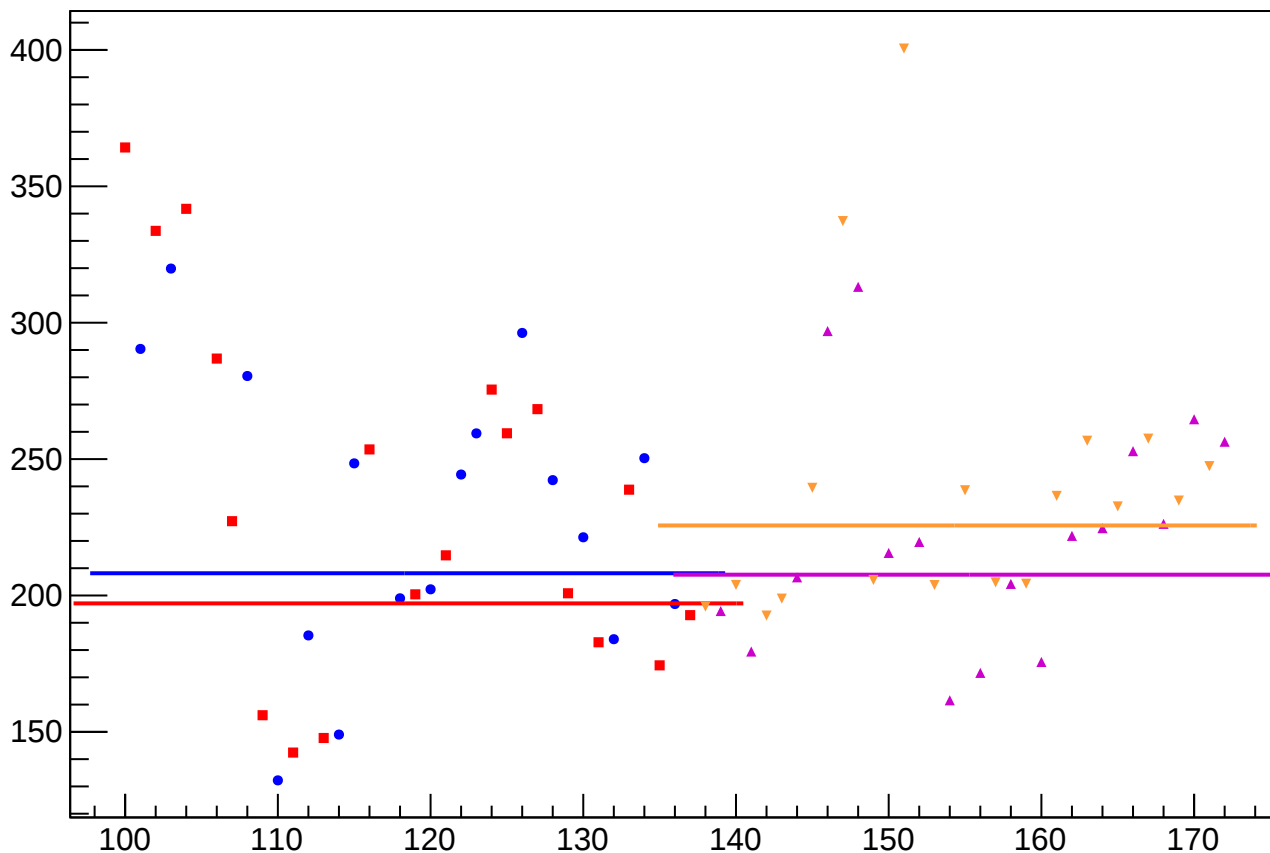
Right: -705.376+/-57.130 χ^2/NDF : 821.1/35

In: 185.910+/-48.267 χ^2/NDF :1261.2/33

Out: -26.779+/-48.894 χ^2/NDF :1794.3/36

All: 80.937+/-34.349 χ^2/NDF : 3065.1/70

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 208.151+/-0.060 χ^2/NDF : 699084.2/16

Left Out: 225.671+/-0.044 χ^2/NDF : 701580.1/17

Right Out: 197.103+/-0.055 χ^2/NDF : 926467.5/18

Left In: 207.625+/-0.042 χ^2/NDF : 817869.9/16

Left: 216.054+/-0.030 χ^2/NDF : 1607186.5/34

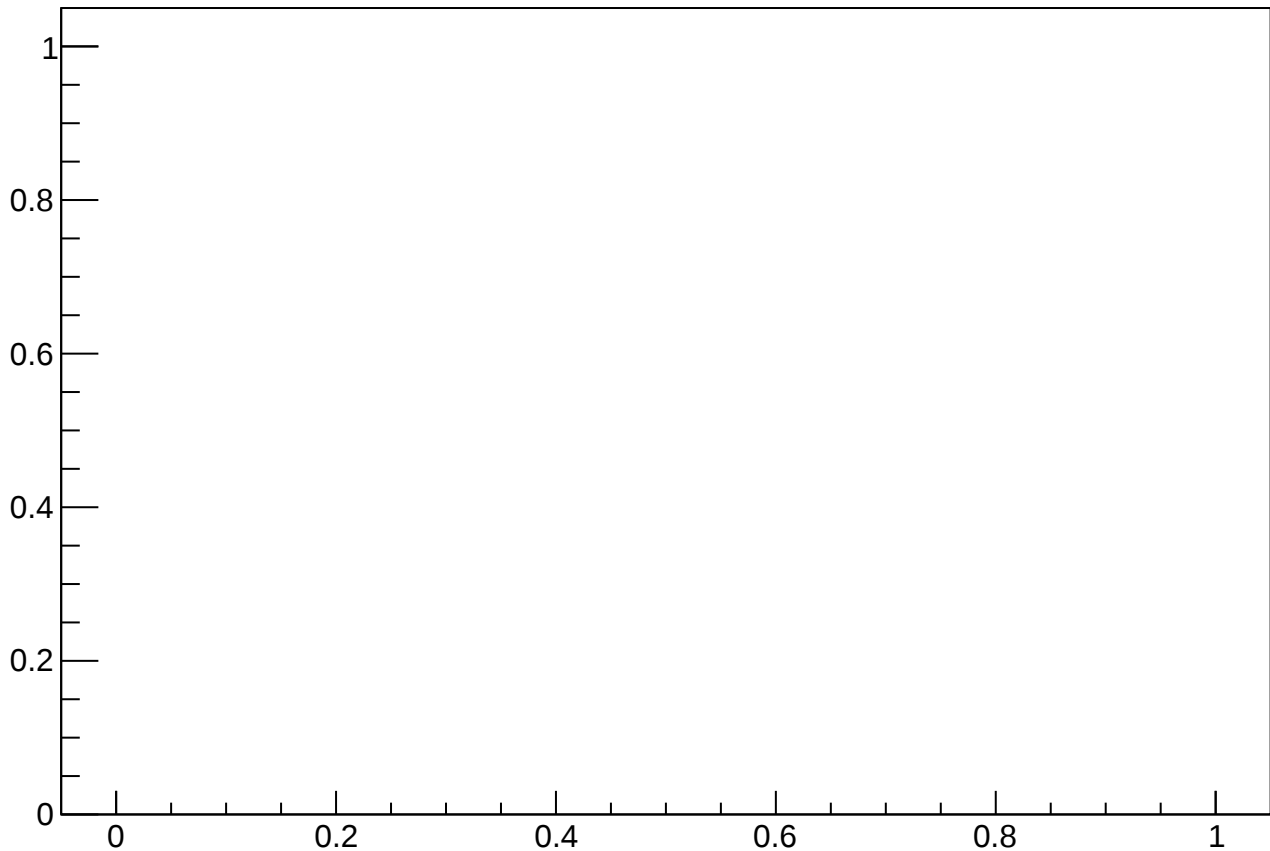
Right: 202.182+/-0.040 χ^2/NDF : 1644129.7/35

In: 207.797+/-0.034 χ^2/NDF : 1517006.4/33

Out: 214.366+/-0.035 χ^2/NDF : 1791325.7/36

All: 211.039+/-0.024 χ^2/NDF : 3326612.6/70

bcm_an_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

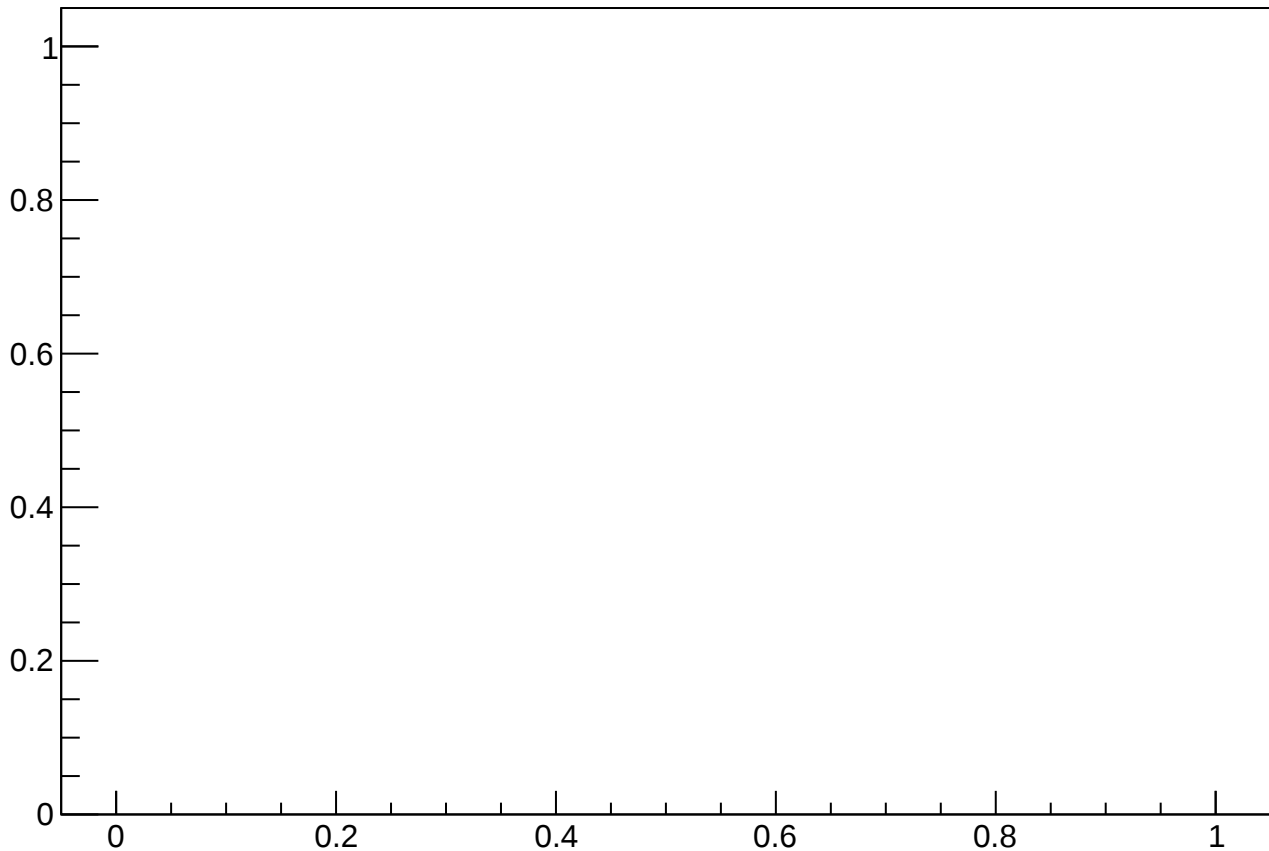
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

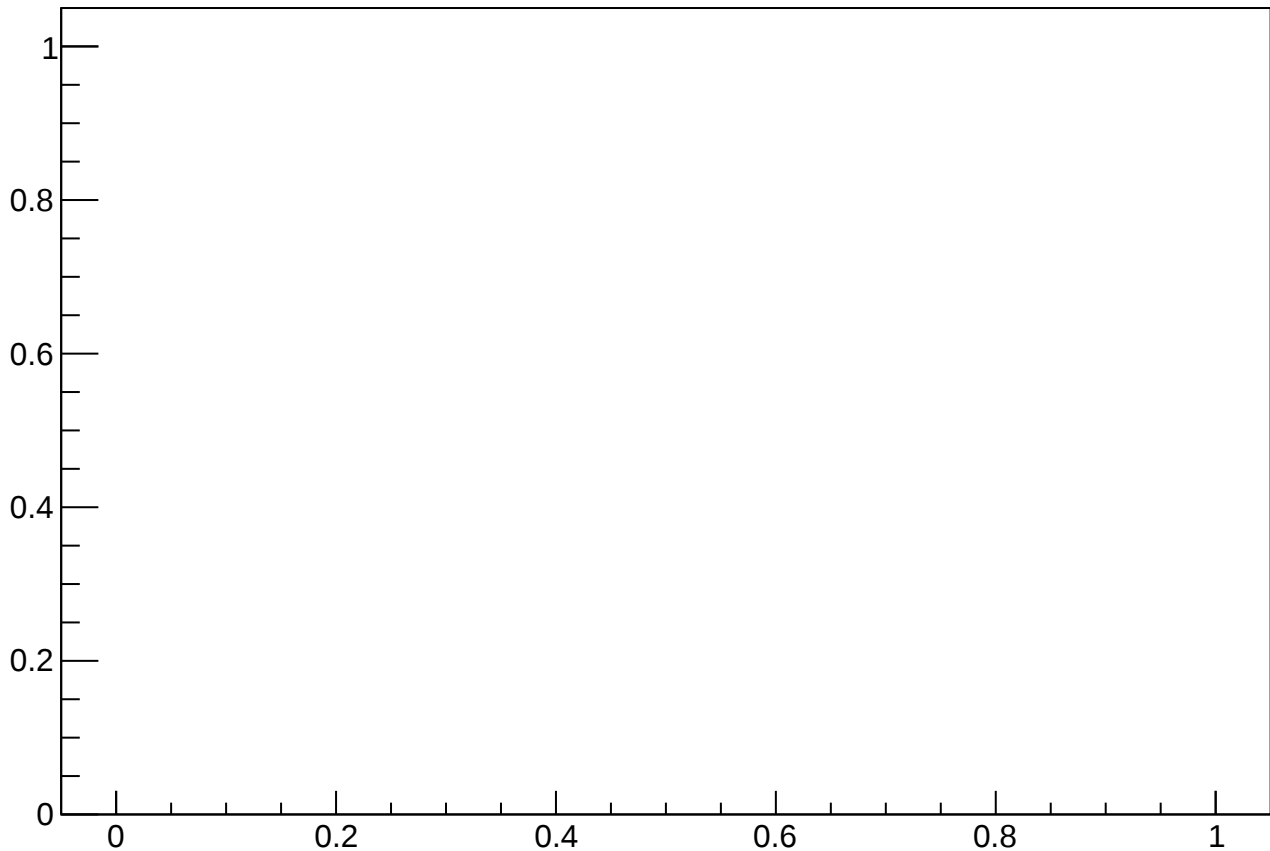
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

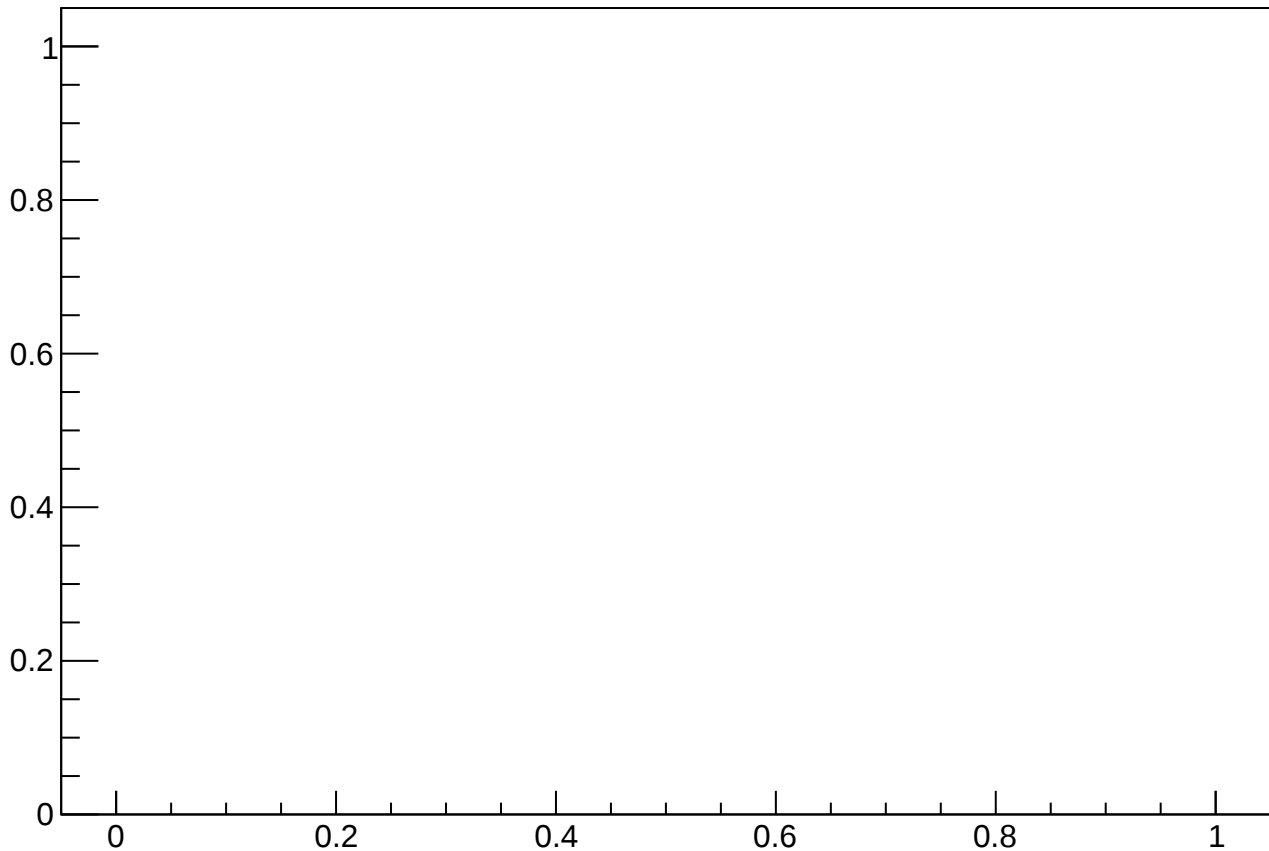
bcm_dg_us_dg_ds_dd_mean vs Slug, Sign Corrected



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

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

bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

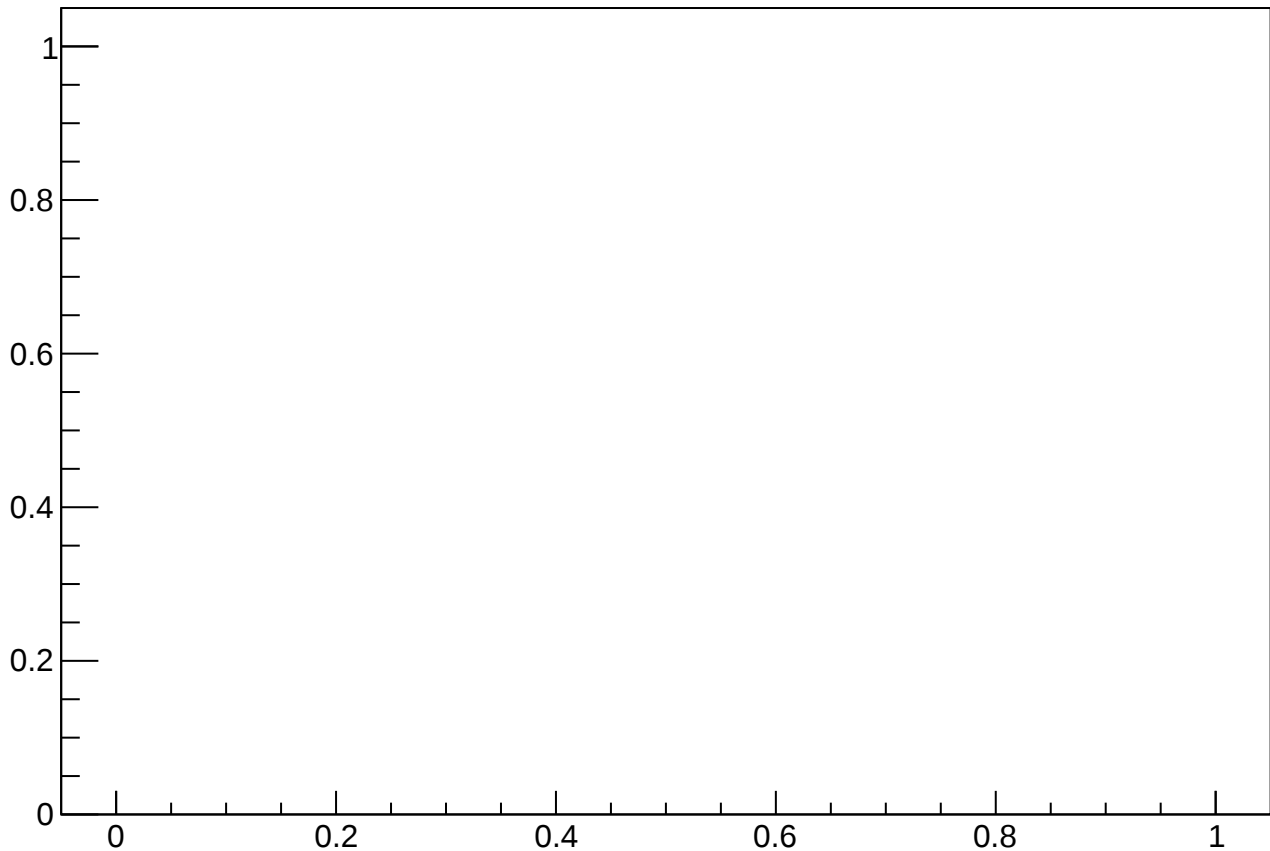
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

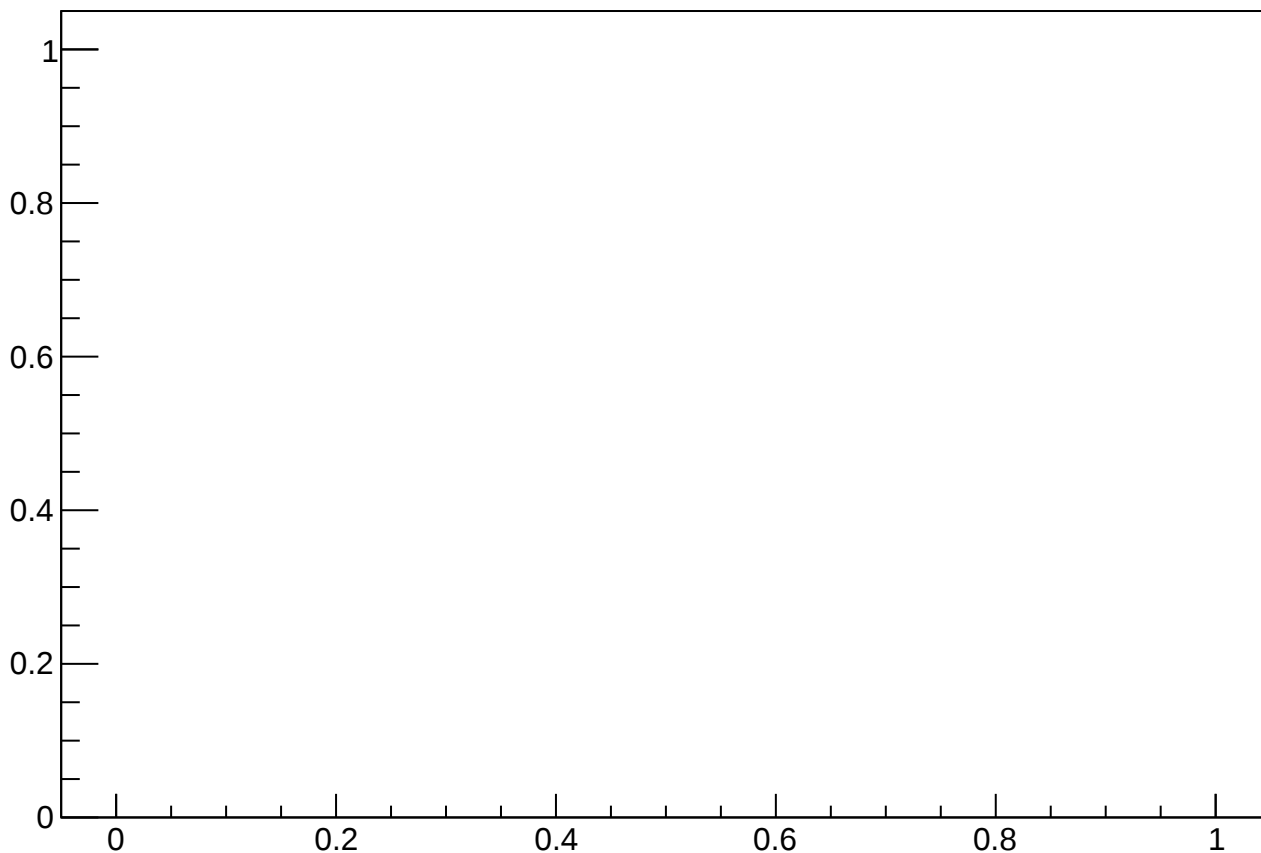
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

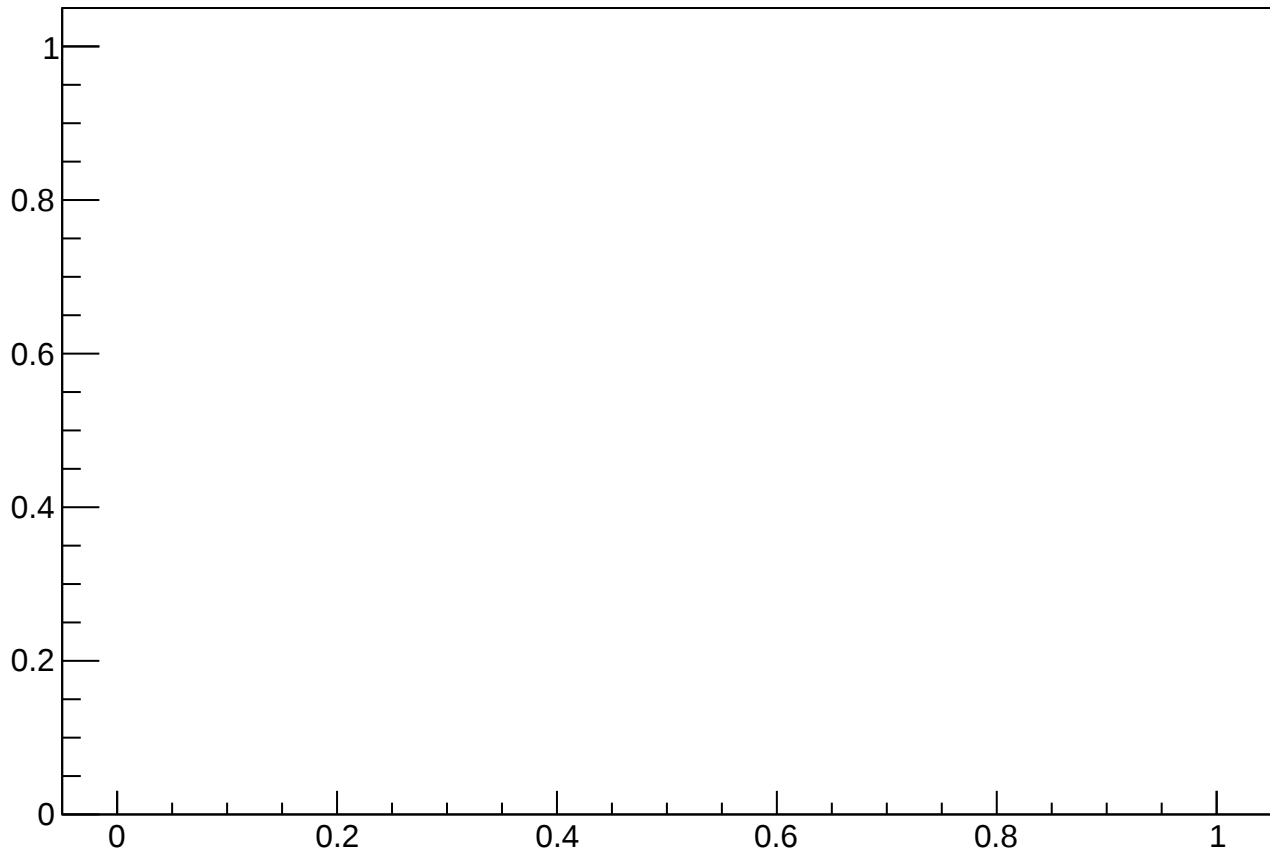
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

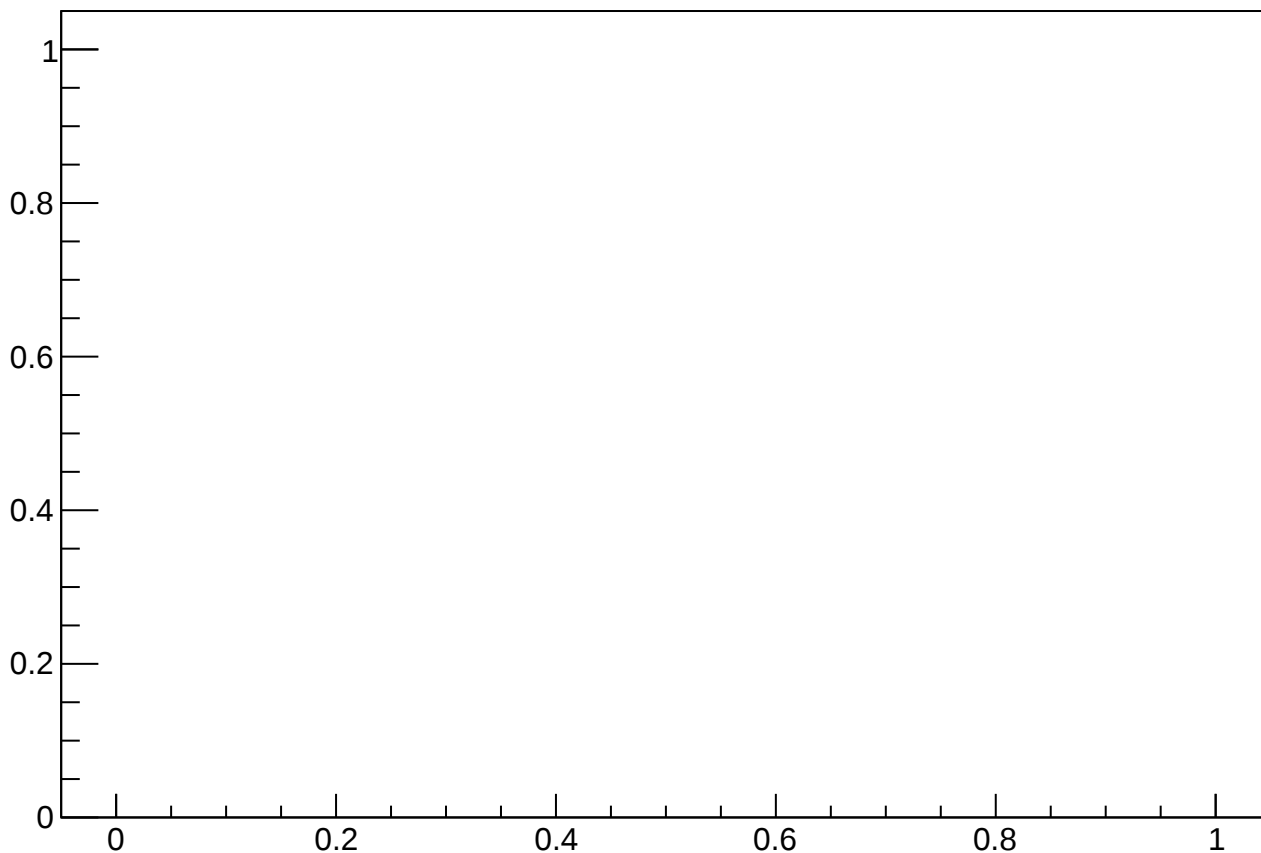
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_rms vs Slug, Sign Corrected



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

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

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

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

Left: 0.000+/-0.000 χ^2/NDF : 0.0/0

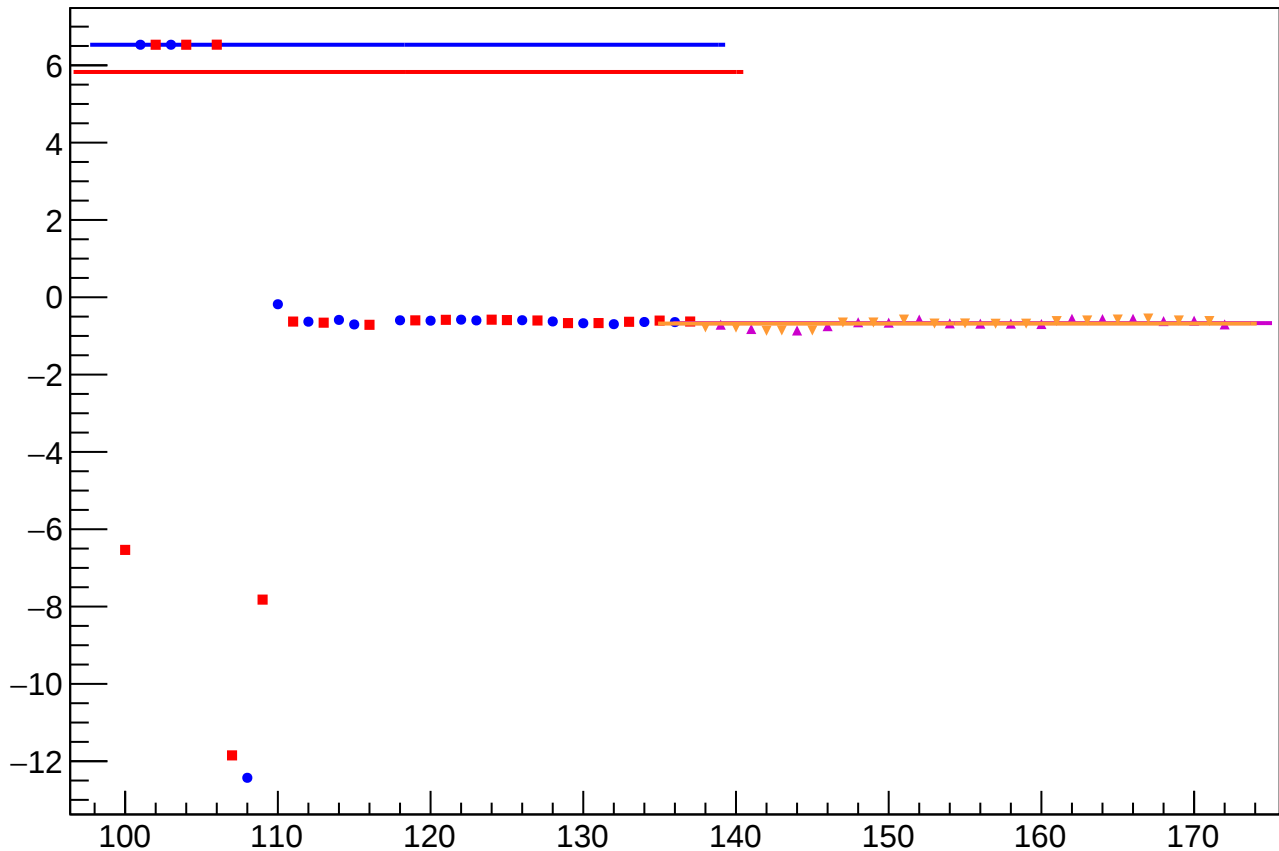
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

All: 0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 6.532+/-0.000 χ^2/NDF : 127219747629.7/16

Left Out: -0.680+/-0.000 χ^2/NDF : 127411928.9/17

Right Out: 5.827+/-0.000 χ^2/NDF : 755963218053643.4/18

Left In: -0.668+/-0.000 χ^2/NDF : 97149312.9/16

Left: -0.674+/-0.000 χ^2/NDF : 225333961.5/34

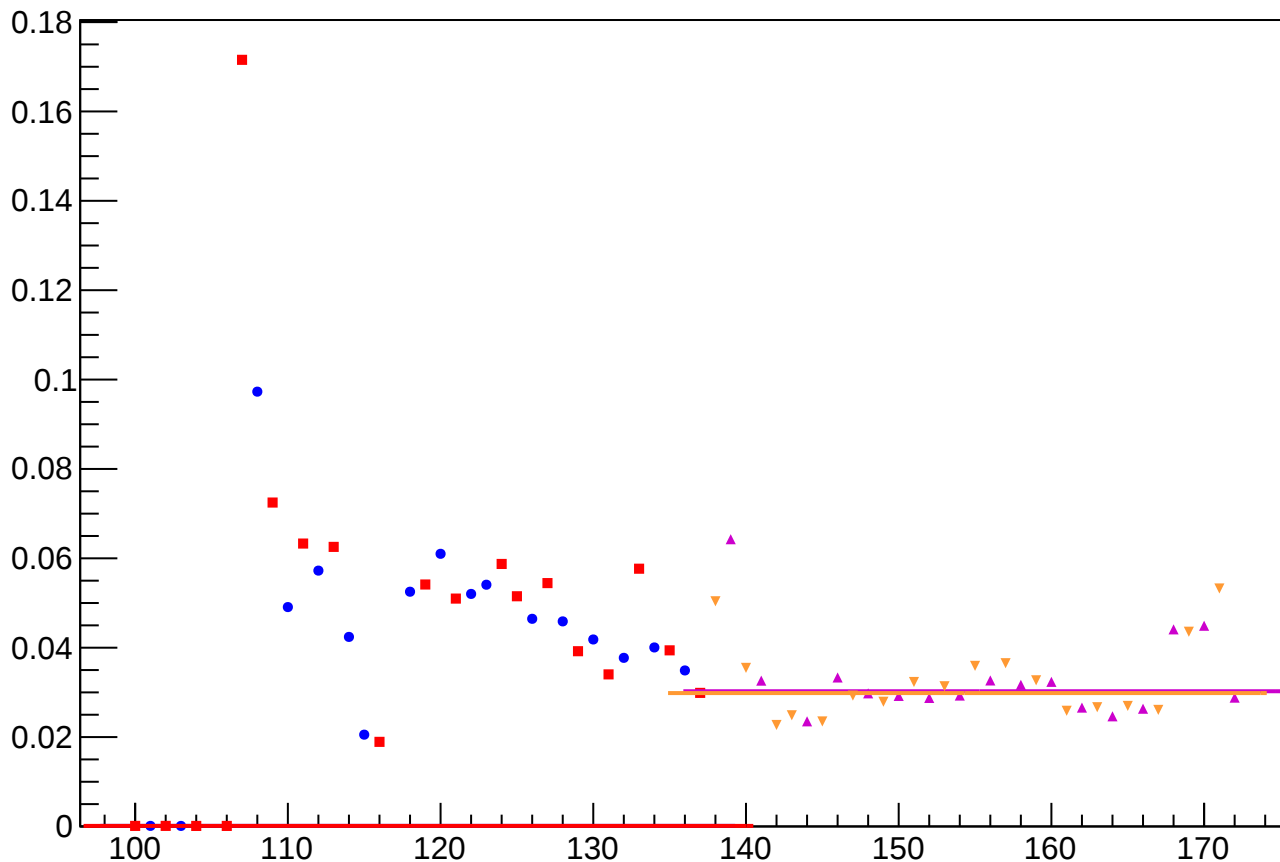
Right: 6.155+/-0.000 χ^2/NDF : 776094576922584.5/34

In: 6.531+/-0.000 χ^2/NDF : 713948524637.5/33

Out: 5.827+/-0.000 χ^2/NDF : 756465780891920.6/33

All: 6.154+/-0.000 χ^2/NDF : 77717588069983.5/34

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 :1000943.2/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9349631.9/18

Left In: 0.030+/-0.000 χ^2/NDF :908073.8/16

Left: 0.030+/-0.000 χ^2/NDF : 1910959.3/34

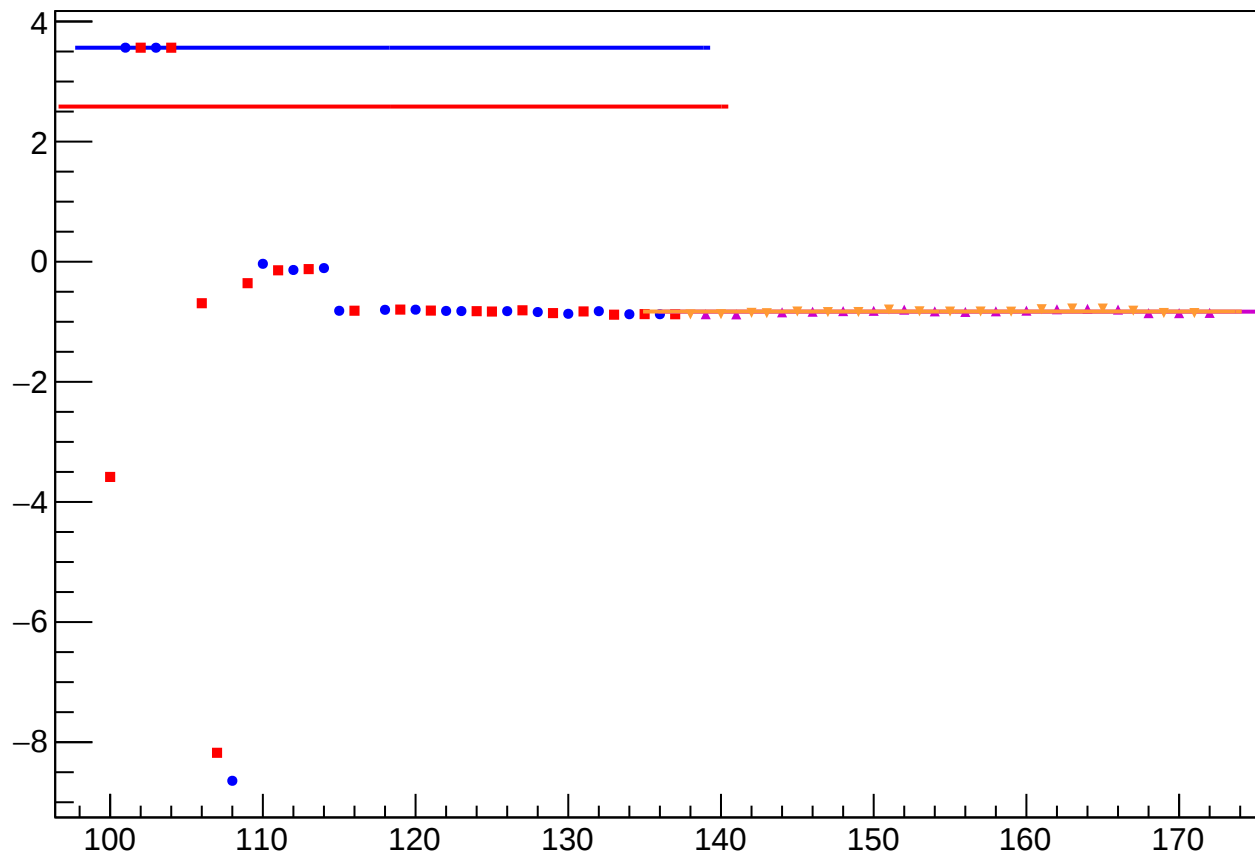
Right: 0.000+/-0.000 χ^2/NDF : 18237948.0/35

In: 0.000+/-0.000 χ^2/NDF :30342849.8/33

Out: 0.000+/-0.000 χ^2/NDF :31314676.3/36

All: 0.000+/-0.000 χ^2/NDF : 61657918.7/70

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 3.563+/-0.000 χ^2/NDF : 481634392464.0/16

Left Out: -0.829+/-0.000 χ^2/NDF : 140304841.4/17

Right Out: 2.583+/-0.000 χ^2/NDF : 1253502070019187.0/18

Left In: -0.831+/-0.000 χ^2/NDF : 120934805.9/16

Left: -0.830+/-0.000 χ^2/NDF : 261646652.5/34

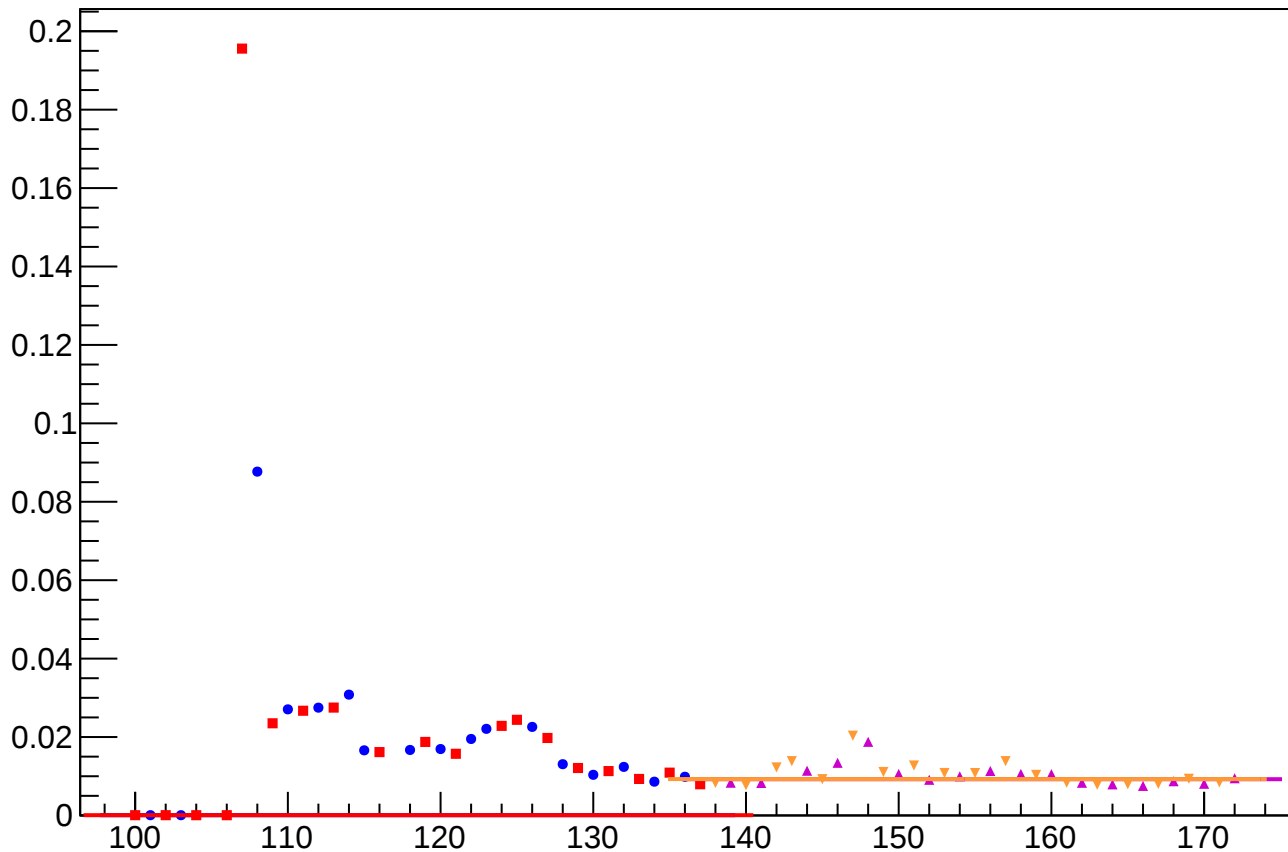
Right: 3.040+/-0.000 χ^2/NDF : 1382254685120485.0/19

In: 3.561+/-0.000 χ^2/NDF : 2912697105282.0/33

Out: 2.582+/-0.000 χ^2/NDF : 1254969385822168.8/19

All: 3.039+/-0.000 χ^2/NDF : 1386028184077.0/19

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 : 1077871.7/17

Right Out: 0.000 +/- 0.000 χ^2/NDF : 9861757.0/18

Left In: 0.009 +/- 0.000 χ^2/NDF : 791021.3/16

Left: 0.009 +/- 0.000 χ^2/NDF : 1869025.4/34

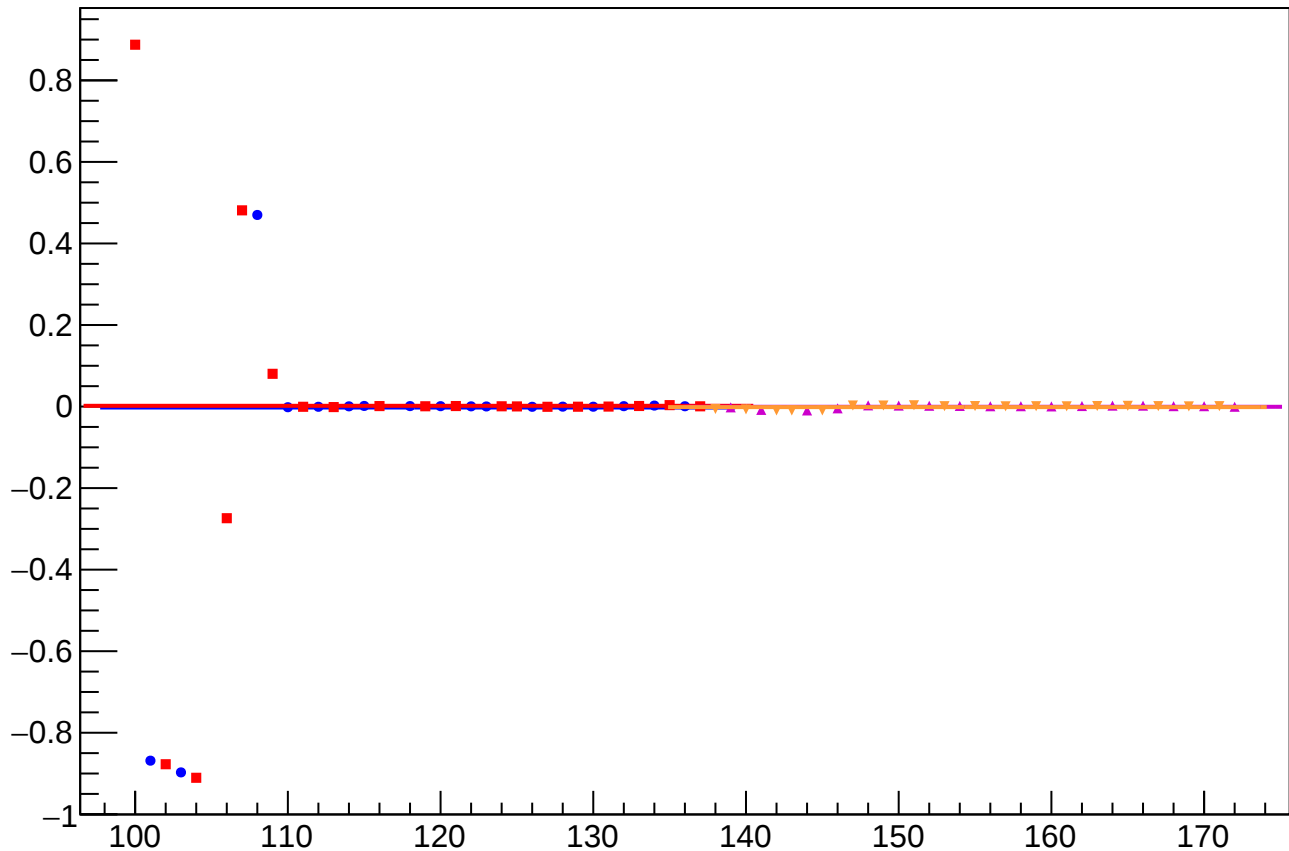
Right: 0.000 +/- 0.000 χ^2/NDF : 19586090.4/35

In: 0.000 +/- 0.000 χ^2/NDF : 31723205.3/33

Out: 0.000 +/- 0.000 χ^2/NDF : 32326324.6/36

All: 0.000 +/- 0.000 χ^2/NDF : 64050194.2/70

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 : 94829285.7/17

Right Out: 0.002+/-0.000 χ^2/NDF : 3041319824.4/18

Left In: -0.001+/-0.000 χ^2/NDF : 67349884.7/16

Left: -0.001+/-0.000 χ^2/NDF : 163607746.1/34

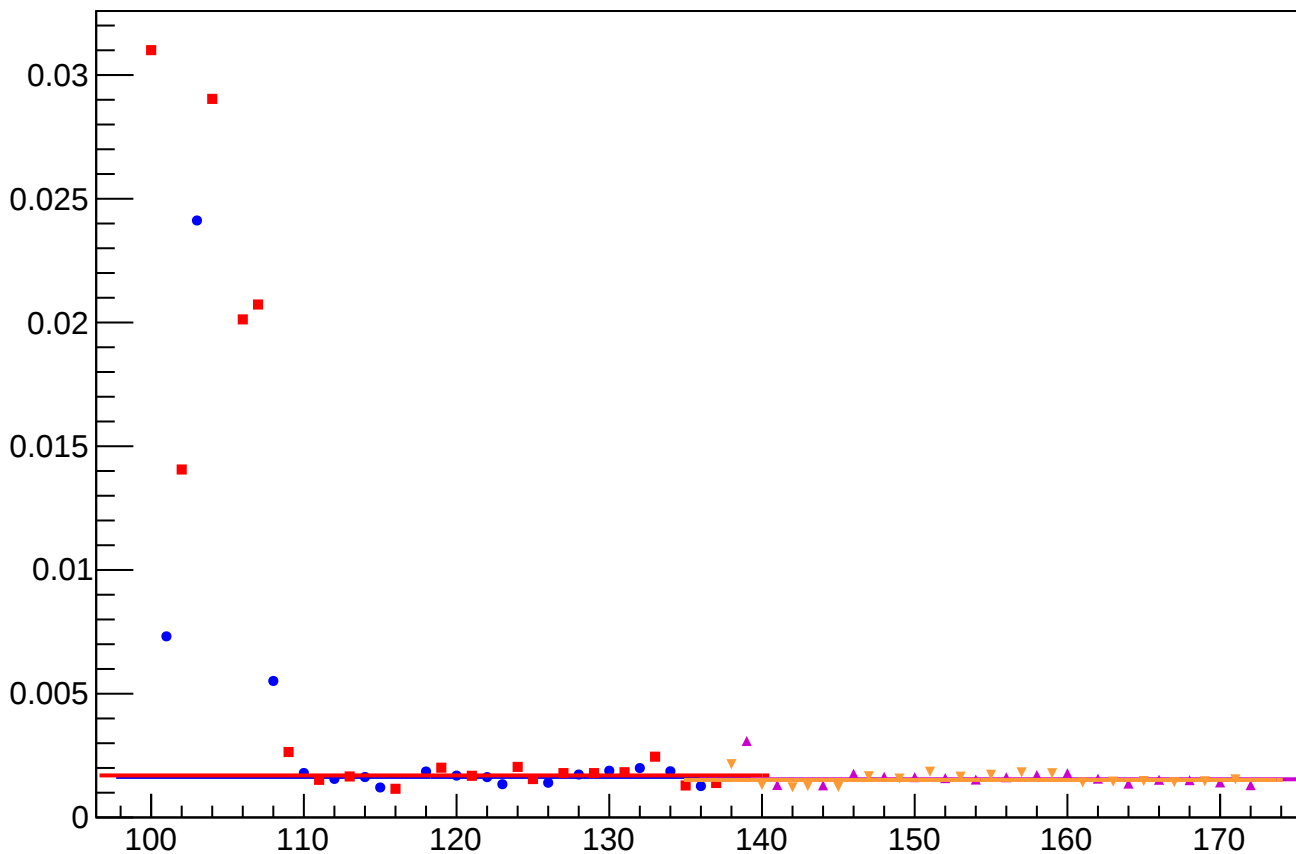
Right: -0.000+/-0.000 χ^2/NDF : 12850350896.6/35

In: -0.001+/-0.000 χ^2/NDF : 9866051446.5/33

Out: -0.001+/-0.000 χ^2/NDF : 3148163333.6/36

All: -0.001+/-0.000 χ^2/NDF : 13014955660.0/74

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 1916349.1/16

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:429212.8/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3023899.0/18

Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:578651.1/16

Left: 0.002 $\pm$ 0.000 χ^2 /NDF: 1011132.3/34

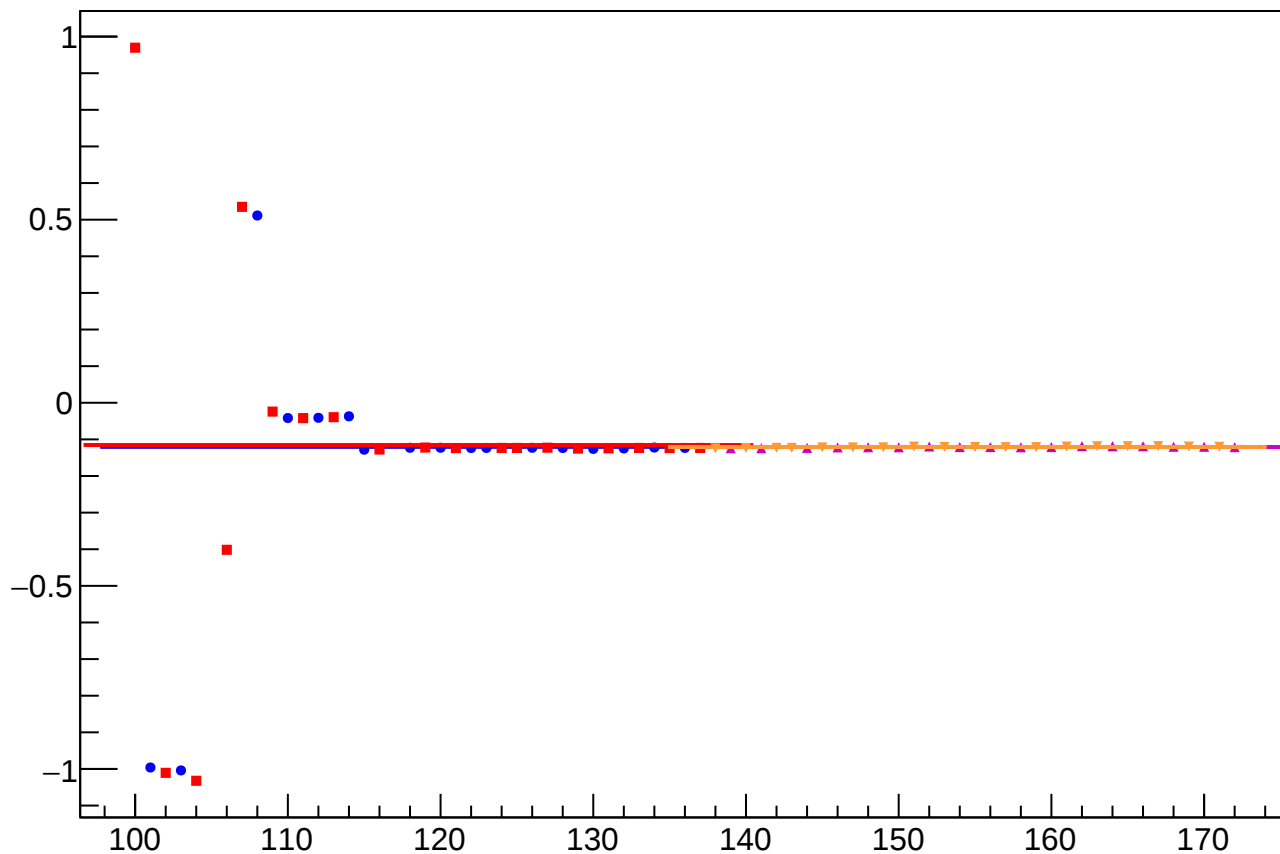
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 4945998.5/35

In: 0.002 $\pm$ 0.000 χ^2 /NDF:2517253.3/33

Out: 0.002 $\pm$ 0.000 χ^2 /NDF:3530358.2/36

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 6047974.1/70

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 : 32229205.6/17

Right Out: -0.115+/-0.000 χ^2/NDF : 2456843337.8/18

Left In: -0.121+/-0.000 χ^2/NDF : 28694271.4/16

Left: -0.121+/-0.000 χ^2/NDF : 60932245.4/34

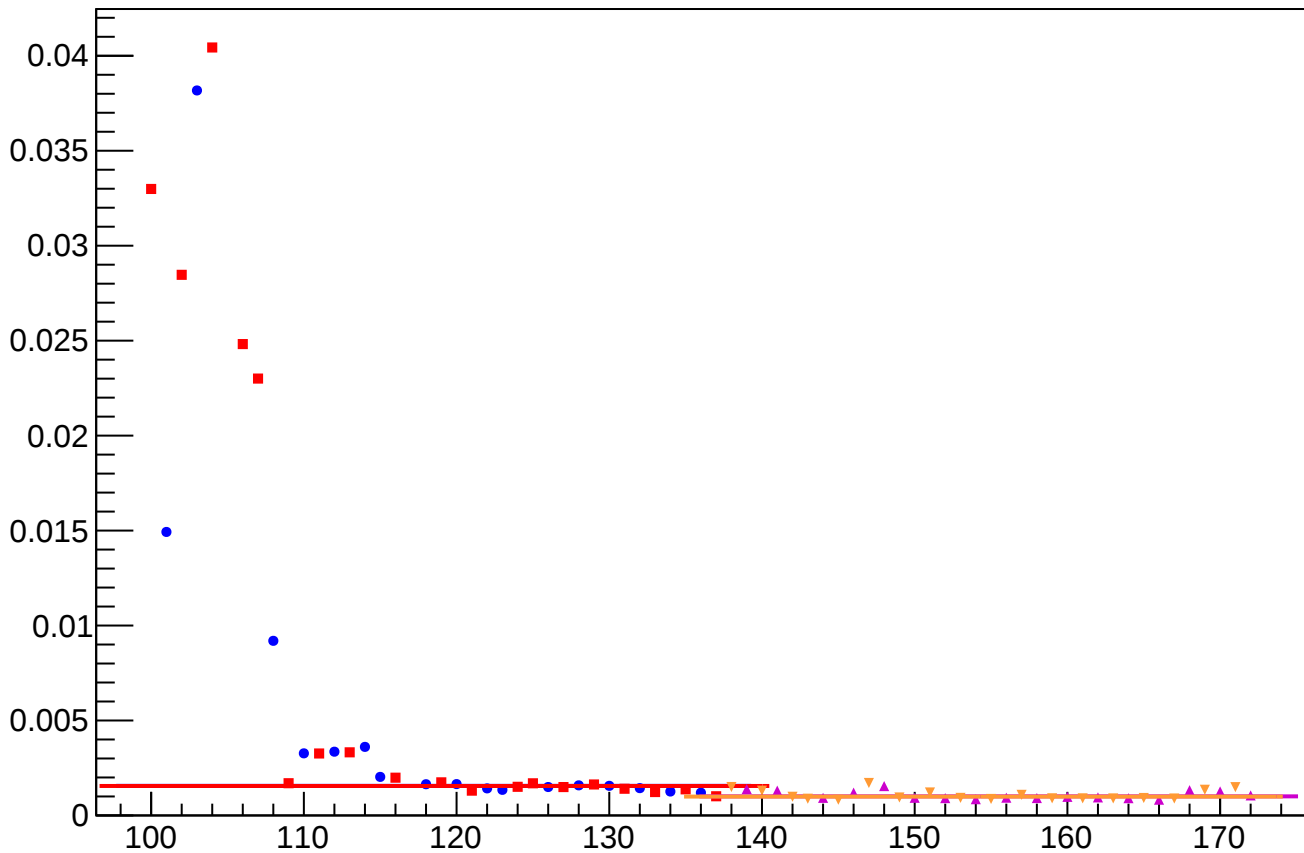
Right: -0.118+/-0.000 χ^2/NDF : 6411653427.4/35

In: -0.121+/-0.000 χ^2/NDF : 3961308419.0/33

Out: -0.120+/-0.000 χ^2/NDF : 2537055508.1/36

All: -0.120+/-0.000 χ^2/NDF : 6501591586.8/7

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.002 $\pm$ 0.000 χ^2 /NDF: 2901093.3/16

Left Out: 0.001 $\pm$ 0.000 χ^2 /NDF:1012160.7/17

Right Out: 0.002 $\pm$ 0.000 χ^2 /NDF: 3539455.6/18

Left In: 0.001 $\pm$ 0.000 χ^2 /NDF:734840.7/16

Left: 0.001 $\pm$ 0.000 χ^2 /NDF: 1748696.5/34

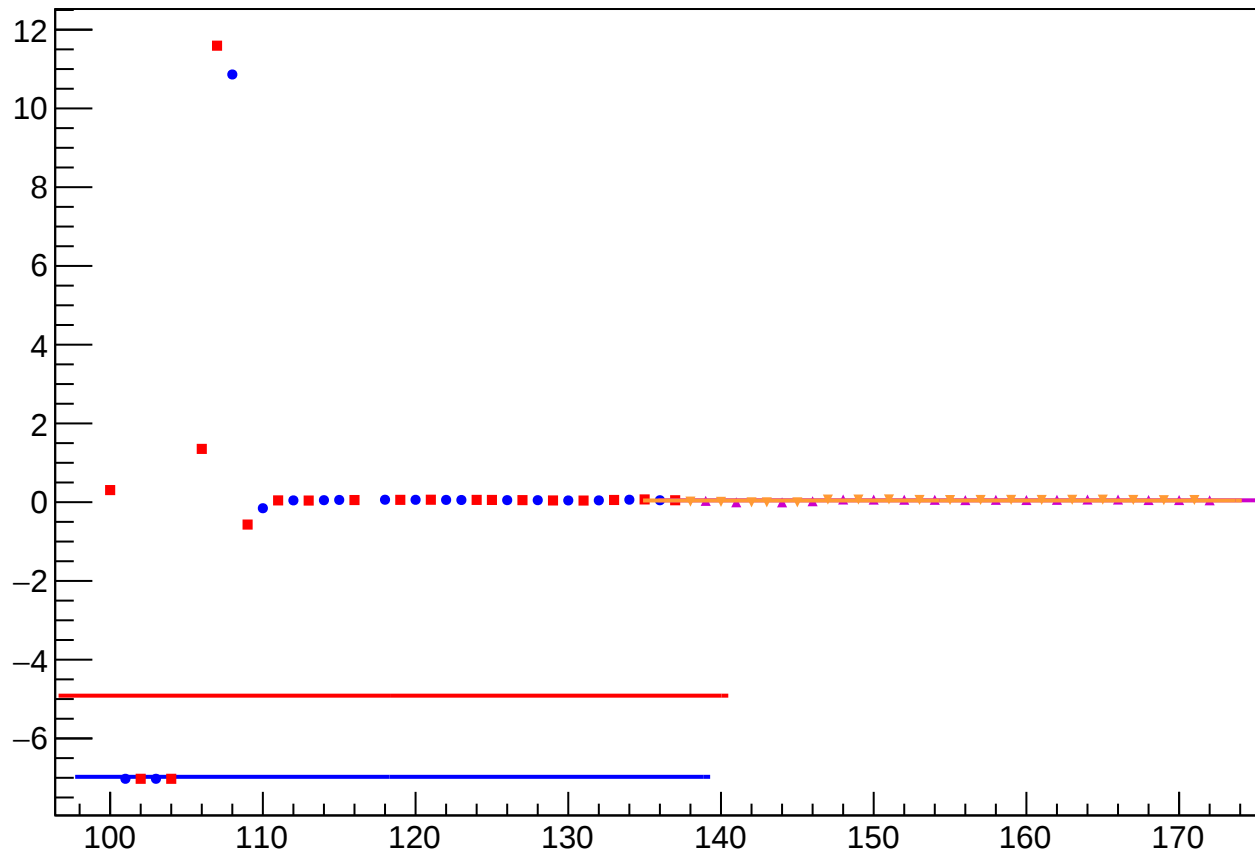
Right: 0.002 $\pm$ 0.000 χ^2 /NDF: 6440590.7/35

In: 0.001 $\pm$ 0.000 χ^2 /NDF:4623753.4/33

Out: 0.001 $\pm$ 0.000 χ^2 /NDF:5576346.6/36

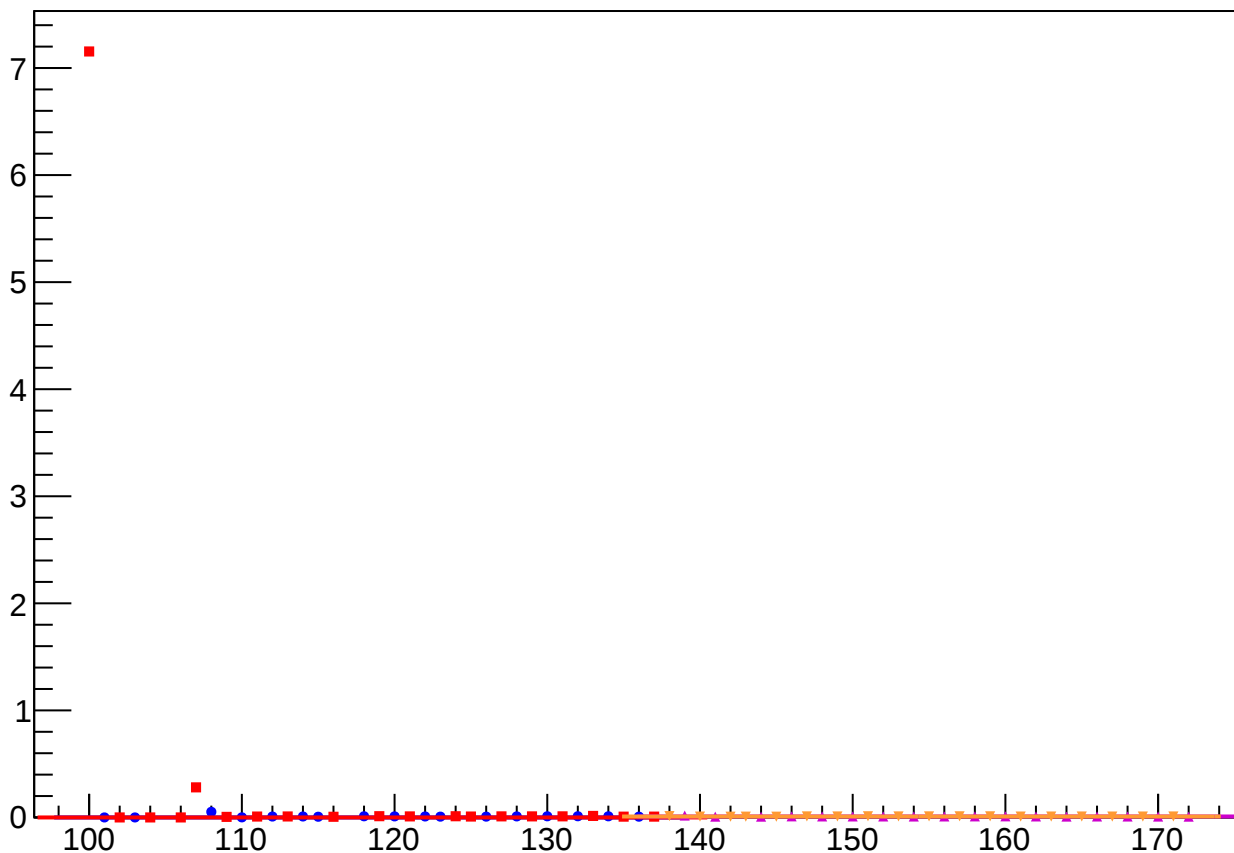
All: 0.001 $\pm$ 0.000 χ^2 /NDF: 10202416.0/70

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -6.975 ± 0.000 $\chi^2/\text{NDF}: 8749579700722.8/16$ Left: 0.045 ± 0.000 $\chi^2/\text{NDF}: 171737202.8/34$
 Left Out: 0.043 ± 0.000 $\chi^2/\text{NDF}: 95871841.3/17$ Right: -5.900 ± 0.000 $\chi^2/\text{NDF}: 430307691650468.6$
 Right Out: -4.914 ± 0.000 $\chi^2/\text{NDF}: 365358092730279.9/18$ In: -6.940 ± 0.000 $\chi^2/\text{NDF}: 15050781921242.7/33$
 Left In: 0.047 ± 0.000 $\chi^2/\text{NDF}: 74641184.5/16$ Out: -4.890 ± 0.000 $\chi^2/\text{NDF}: 368662544040122.5/18$
 All: -5.870 ± 0.000 $\chi^2/\text{NDF}: 4395767873983.0/16$

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 :422695.4/17

Right Out: 0.000+/-0.000 χ^2/NDF : 8775982.6/18

Left In: 0.009+/-0.000 χ^2/NDF :579655.2/16

Left: 0.009+/-0.000 χ^2/NDF : 1005221.5/34

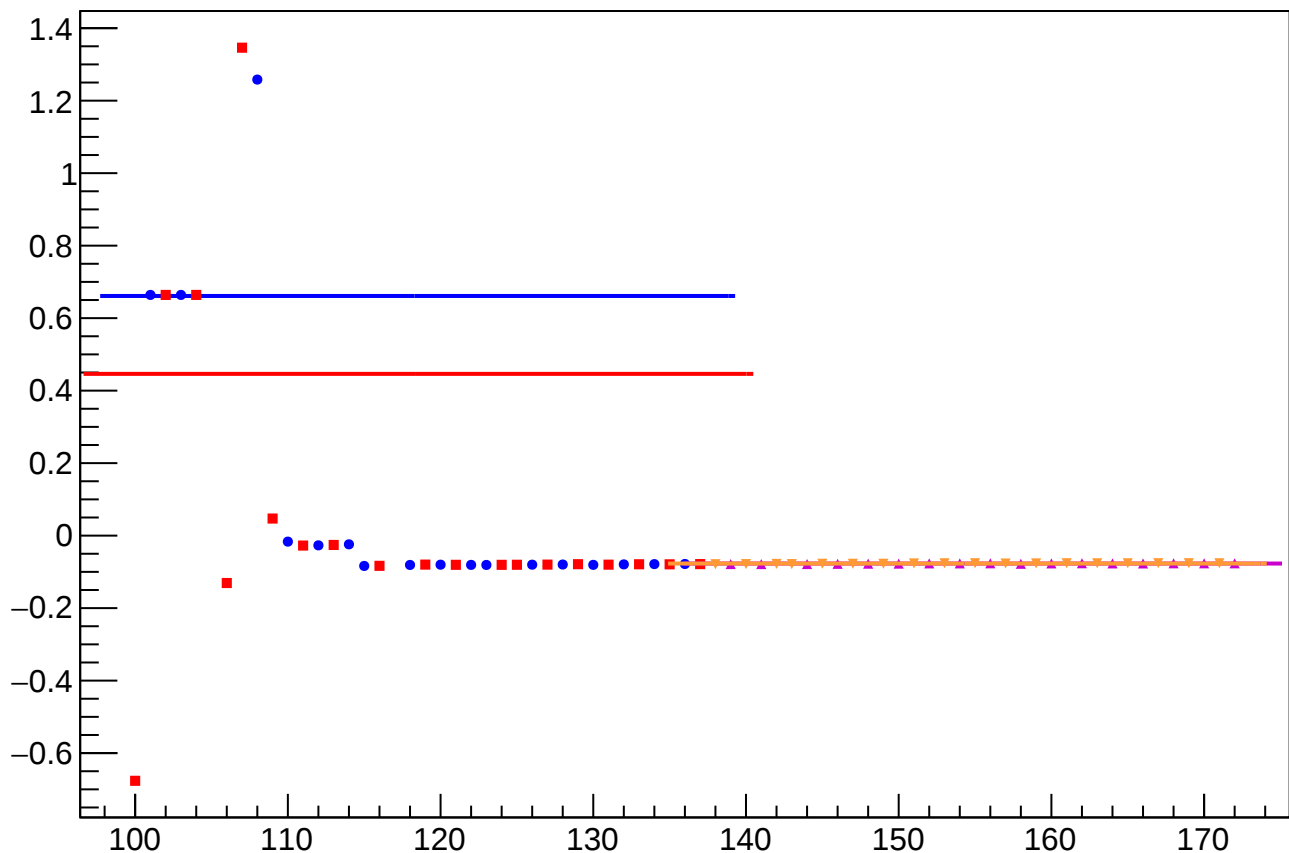
Right: 0.000+/-0.000 χ^2/NDF : 17018999.2/35

In: 0.000+/-0.000 χ^2/NDF :29126023.8/33

Out: 0.000+/-0.000 χ^2/NDF :29882620.8/36

All: 0.000+/-0.000 χ^2/NDF : 59009468.1/70

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.661+/-0.000

χ^2/NDF : 5607525081216.0/16

Left: -0.077+/-0.000

χ^2/NDF : 58268478.9/34

Left Out: -0.077+/-0.000

χ^2/NDF : 33554186.4/17

Right: 0.549+/-0.000

χ^2/NDF : 473947475230218.3/34

Right Out: 0.446+/-0.000

χ^2/NDF : 405416924315199.0/18

In: 0.650+/-0.000

χ^2/NDF : 26896680166982.1/33

Out: 0.439+/-0.000

χ^2/NDF : 416246241762047.8/33

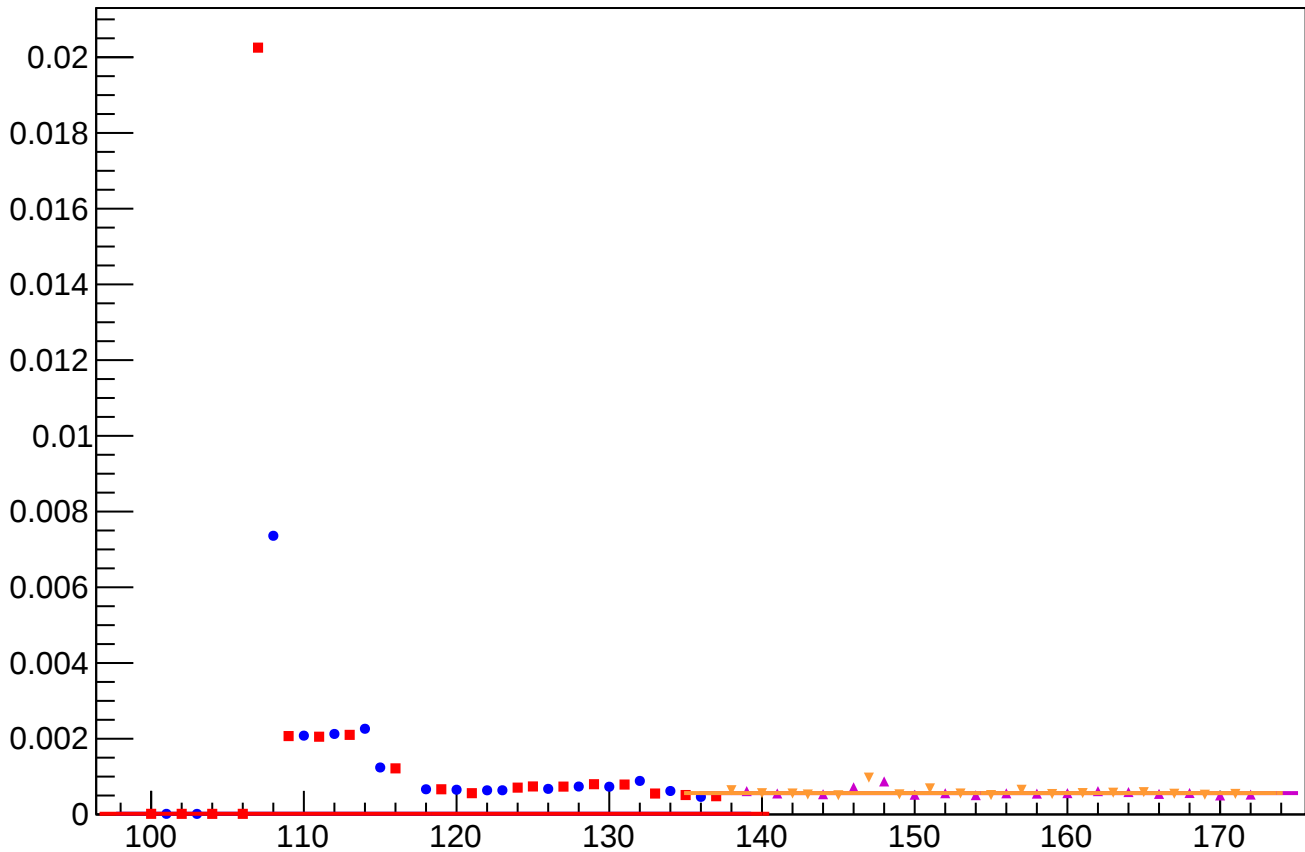
Left In: -0.077+/-0.000

χ^2/NDF : 24709525.9/16

All: 0.540+/-0.000

χ^2/NDF : 50474457603435.0/34

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 : 426206.6/17

Right Out: 0.000+/-0.000 χ^2/NDF : 9480848.1/18

Left In: 0.001+/-0.000 χ^2/NDF : 351534.9/16

Left: 0.001+/-0.000 χ^2/NDF : 777771.3/34

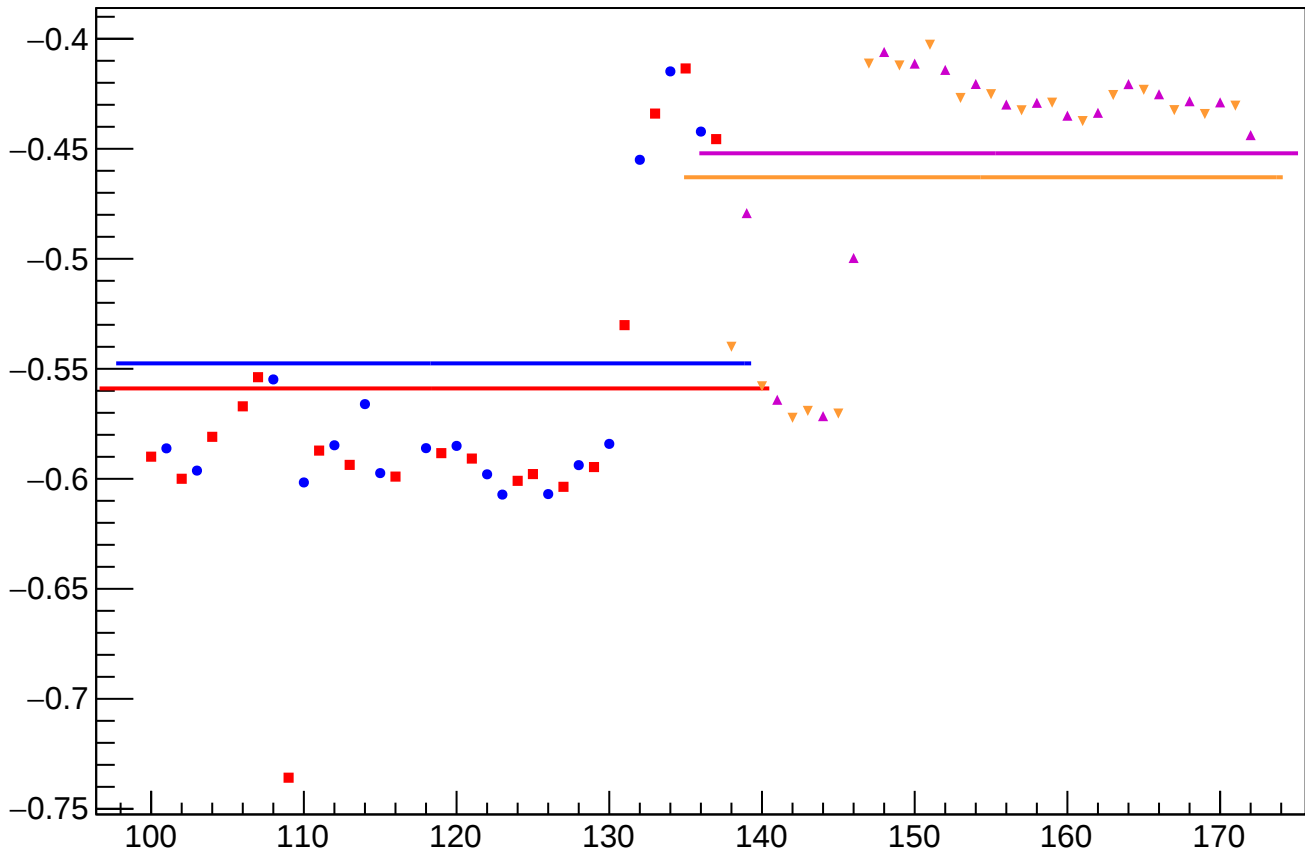
Right: 0.000+/-0.000 χ^2/NDF : 19354868.6/35

In: 0.000+/-0.000 χ^2/NDF : 33470408.2/33

Out: 0.000+/-0.000 χ^2/NDF : 33519446.2/36

All: 0.000+/-0.000 χ^2/NDF : 66991040.4/70

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.548+/-0.000 χ^2/NDF : 48545285.9/16

Left Out: -0.463+/-0.000 χ^2/NDF : 105966967.5/17

Right Out: -0.559+/-0.000 χ^2/NDF : 65330923.3/18

Left In: -0.452+/-0.000 χ^2/NDF : 75248873.0/16

Left: -0.458+/-0.000 χ^2/NDF : 182808160.8/34

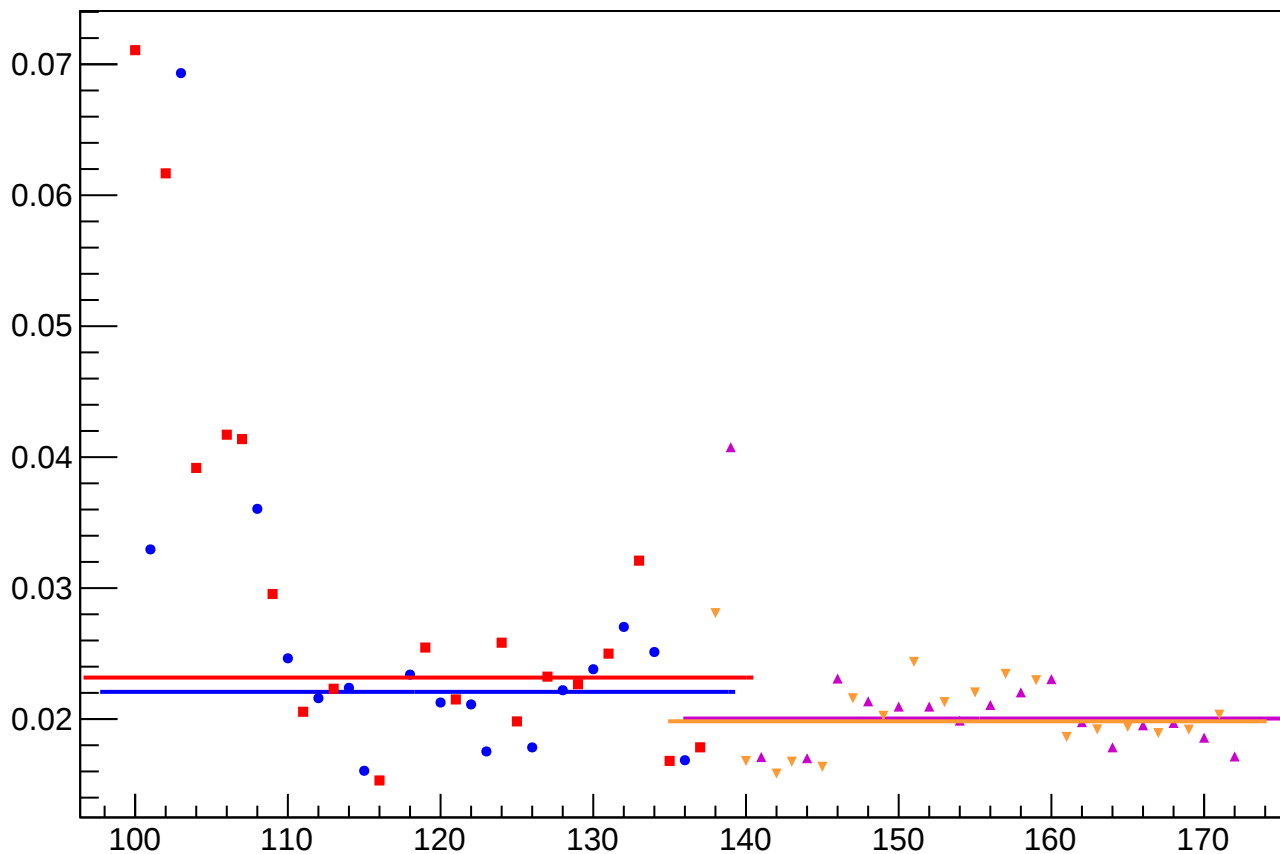
Right: -0.553+/-0.000 χ^2/NDF : 114532950.1/35

In: -0.479+/-0.000 χ^2/NDF : 191534190.1/33

Out: -0.488+/-0.000 χ^2/NDF : 238358346.0/36

All: -0.484+/-0.000 χ^2/NDF : 431543278.9/70

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.022 $\pm$ 0.000 χ^2 /NDF: 954779.5/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:398833.3/17

Right Out: 0.023 $\pm$ 0.000 χ^2 /NDF: 1156758.3/18

Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:572421.8/16

Left: 0.020 $\pm$ 0.000 χ^2 /NDF: 972459.6/34

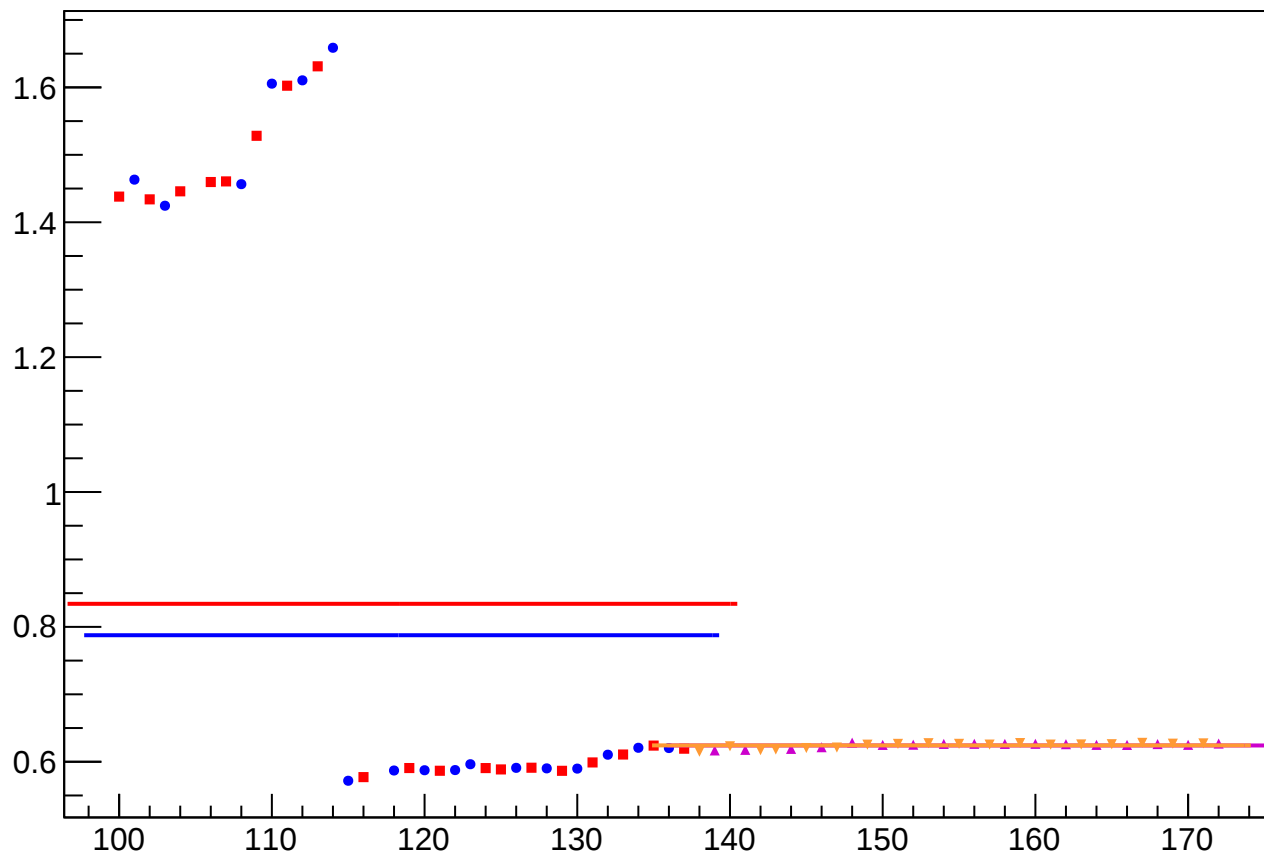
Right: 0.023 $\pm$ 0.000 χ^2 /NDF: 2123609.7/35

In: 0.021 $\pm$ 0.000 χ^2 /NDF:1588841.3/33

Out: 0.021 $\pm$ 0.000 χ^2 /NDF:1718027.4/36

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 3307245.6/70

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.788 $\pm$ 0.000 χ^2/NDF : 3581400502.4/16

Left Out: 0.624 $\pm$ 0.000 χ^2/NDF : 1230481.8/17

Right Out: 0.834 $\pm$ 0.000 χ^2/NDF : 4152115639.4/18

Left In: 0.624 $\pm$ 0.000 χ^2/NDF : 959280.6/16

Left: 0.624 $\pm$ 0.000 χ^2/NDF : 2190377.1/34

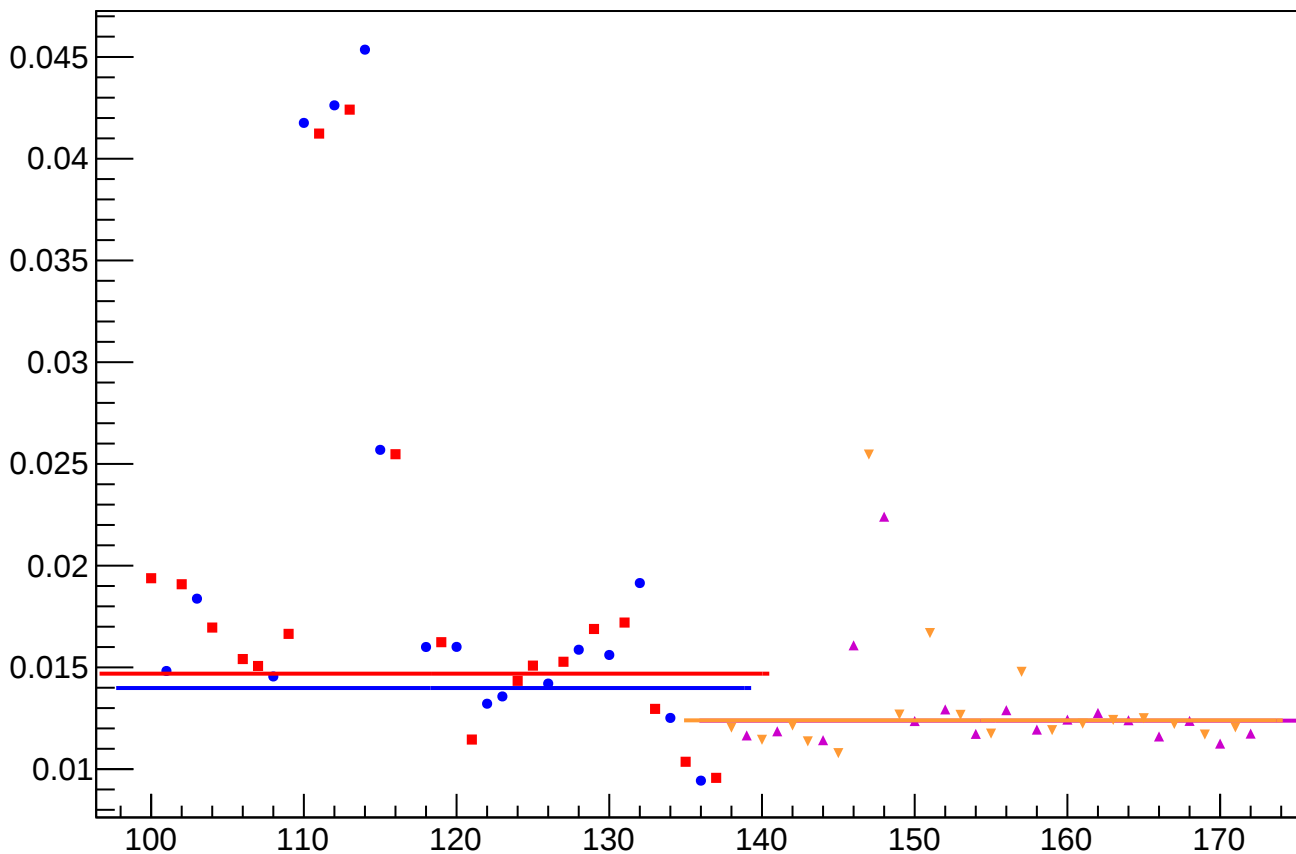
Right: 0.811 $\pm$ 0.000 χ^2/NDF : 7764167044.9/35

In: 0.666 $\pm$ 0.000 χ^2/NDF : 4152191306.0/33

Out: 0.677 $\pm$ 0.000 χ^2/NDF : 5072733727.2/36

All: 0.672 $\pm$ 0.000 χ^2/NDF : 9231086807.5/70

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 : 596872.4/17

Right Out: 0.015+/-0.000 χ^2/NDF : 1258511.3/18

Left In: 0.012+/-0.000 χ^2/NDF : 440410.6/16

Left: 0.012+/-0.000 χ^2/NDF : 1037302.3/34

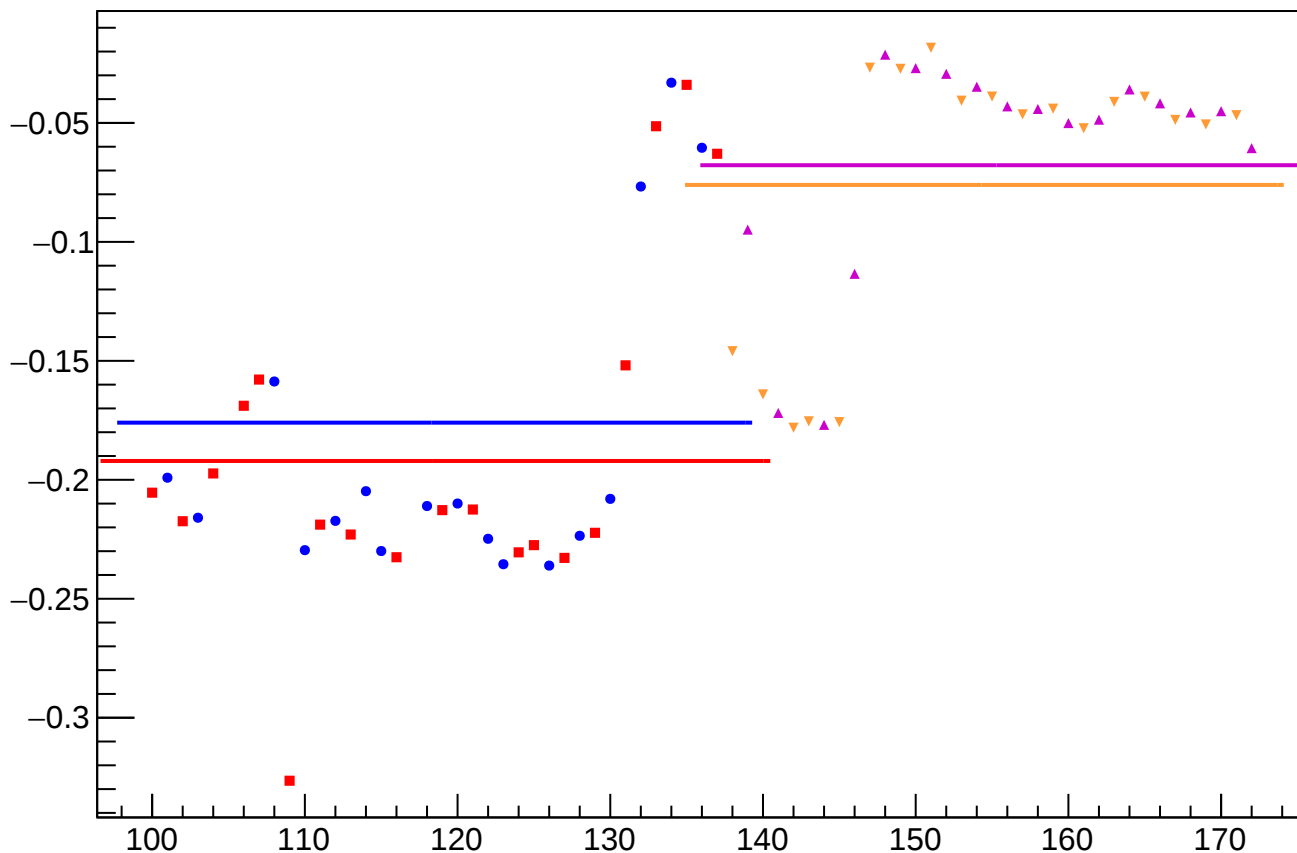
Right: 0.014+/-0.000 χ^2/NDF : 2671110.0/35

In: 0.013+/-0.000 χ^2/NDF : 1948576.2/33

Out: 0.013+/-0.000 χ^2/NDF : 2075050.7/36

All: 0.013+/-0.000 χ^2/NDF : 4027079.0/70

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.176+/-0.000 χ^2/NDF : 70121069.1/16

Left Out: -0.076+/-0.000 χ^2/NDF : 100967154.5/17

Right Out: -0.192+/-0.000 χ^2/NDF : 83253954.4/18

Left In: -0.068+/-0.000 χ^2/NDF : 75613898.8/16

Left: -0.072+/-0.000 χ^2/NDF : 177574522.7/34

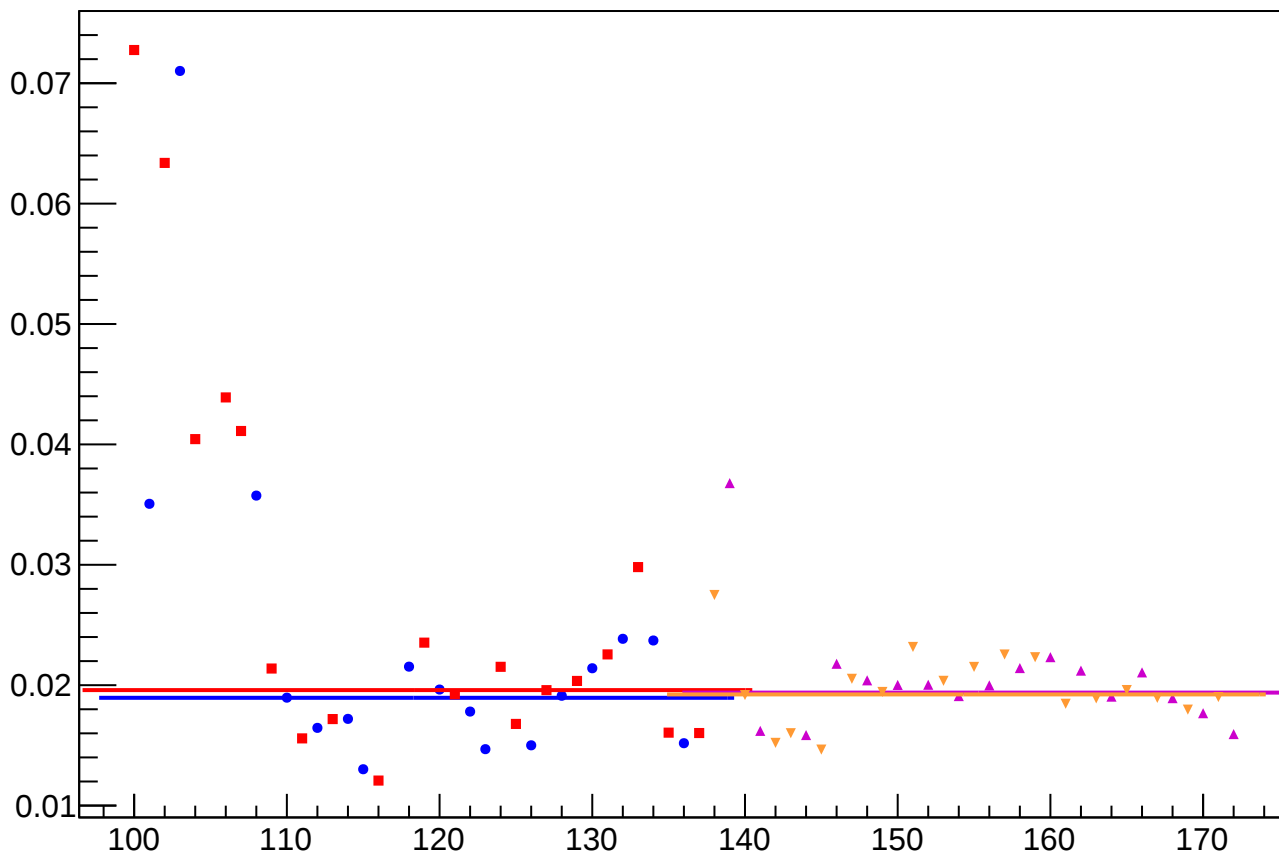
Right: -0.184+/-0.000 χ^2/NDF : 155143425.4/35

In: -0.103+/-0.000 χ^2/NDF : 254364036.7/33

Out: -0.112+/-0.000 χ^2/NDF : 308905473.5/36

All: -0.108+/-0.000 χ^2/NDF : 565149394.7/70

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 : 425518.1/17

Right Out: 0.020+/-0.000 χ^2/NDF : 1455327.3/18

Left In: 0.019+/-0.000 χ^2/NDF : 571216.2/16

Left: 0.019+/-0.000 χ^2/NDF : 997387.2/34

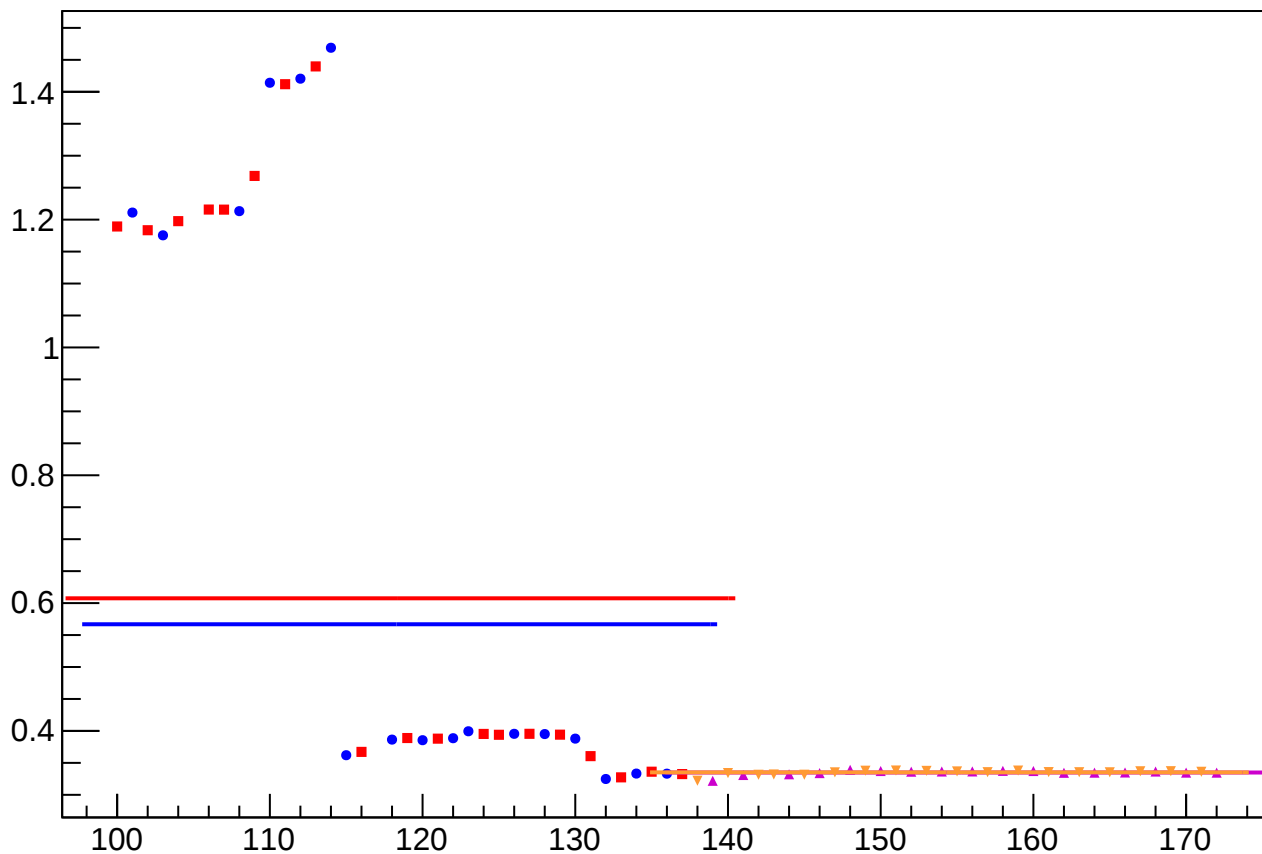
Right: 0.019+/-0.000 χ^2/NDF : 2664188.0/35

In: 0.019+/-0.000 χ^2/NDF : 1777951.9/33

Out: 0.019+/-0.000 χ^2/NDF : 1883224.2/36

All: 0.019+/-0.000 χ^2/NDF : 3661630.3/70

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 : 1130077.2/17

Right Out: 0.607+/-0.000 χ^2/NDF : 5505226431.3/18

Left In: 0.335+/-0.000 χ^2/NDF : 1169120.4/16

Left: 0.335+/-0.000 χ^2/NDF : 2302302.7/34

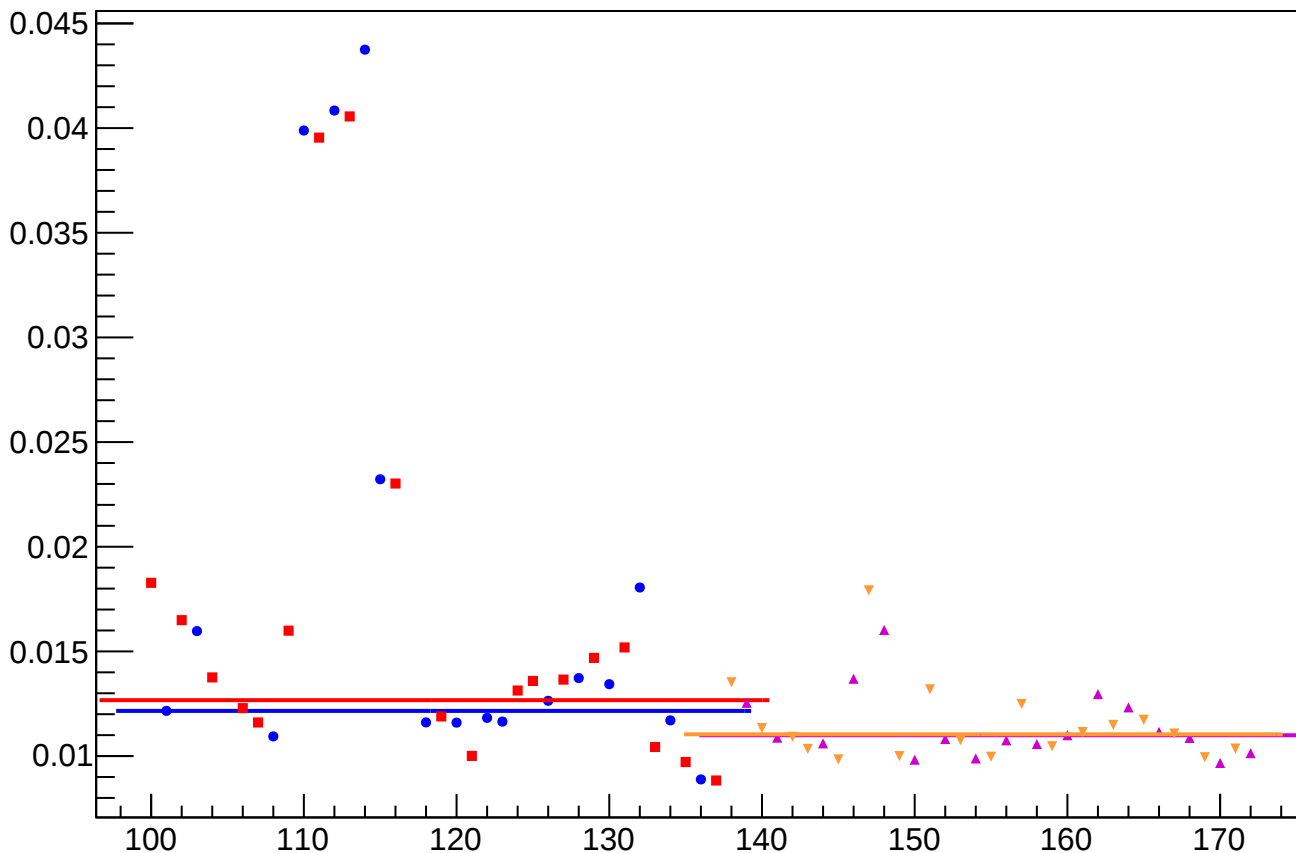
Right: 0.587+/-0.000 χ^2/NDF : 10552855690.4/35

In: 0.397+/-0.000 χ^2/NDF : 6513382786.3/33

Out: 0.406+/-0.000 χ^2/NDF : 7521077227.3/36

All: 0.401+/-0.000 χ^2/NDF : 14040052474.7/71

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1307948.2/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:428346.5/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1267219.4/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:368337.1/16

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 796909.2/34

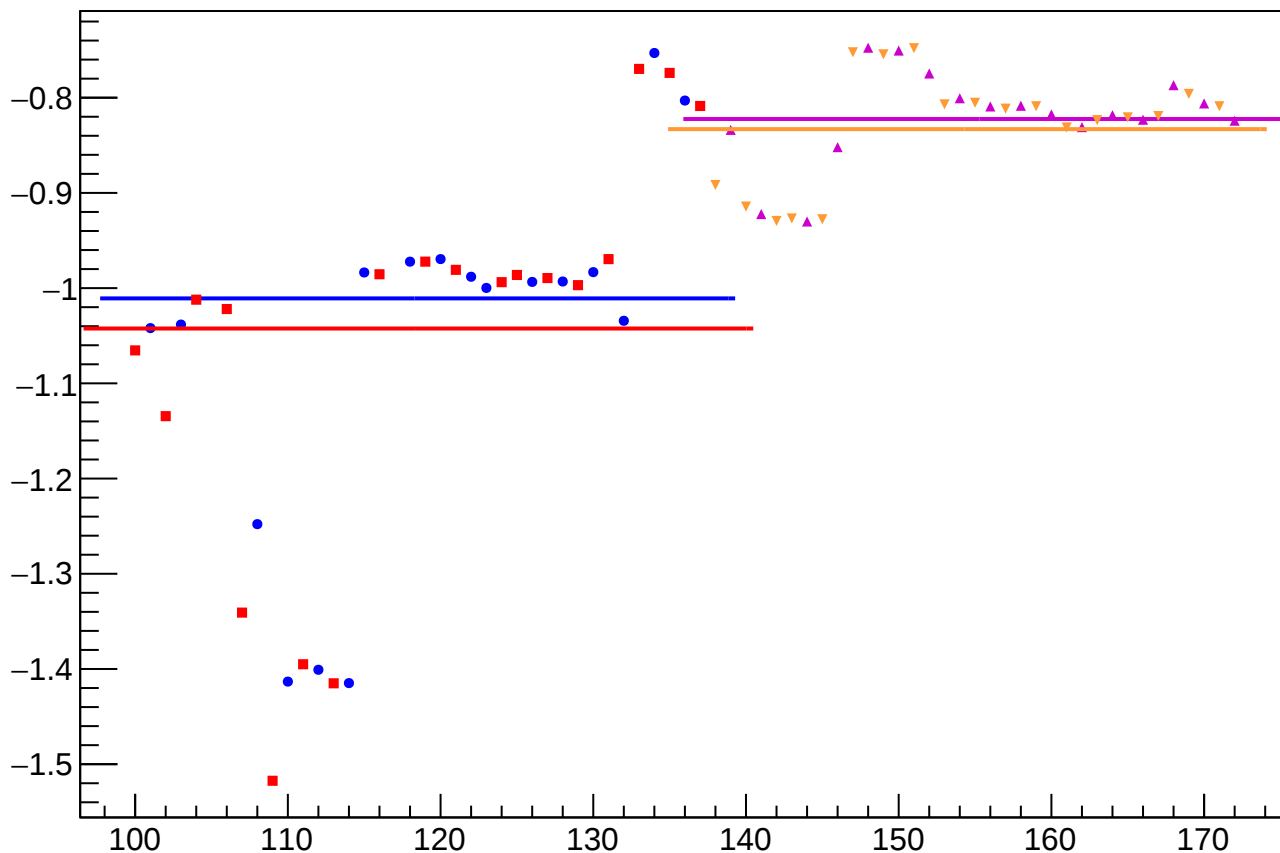
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 2584926.4/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:1751627.7/33

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:1839850.7/36

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 3595011.1/70

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -1.011 ± 0.000 χ^2/NDF : 387140230.3/16

Left Out: -0.833 ± 0.000 χ^2/NDF : 97620487.2/17

Right Out: -1.042 ± 0.000 χ^2/NDF : 528958824.5/18

Left In: -0.822 ± 0.000 χ^2/NDF : 73599448.0/16

Left: -0.828 ± 0.000 χ^2/NDF : 172816520.8/34

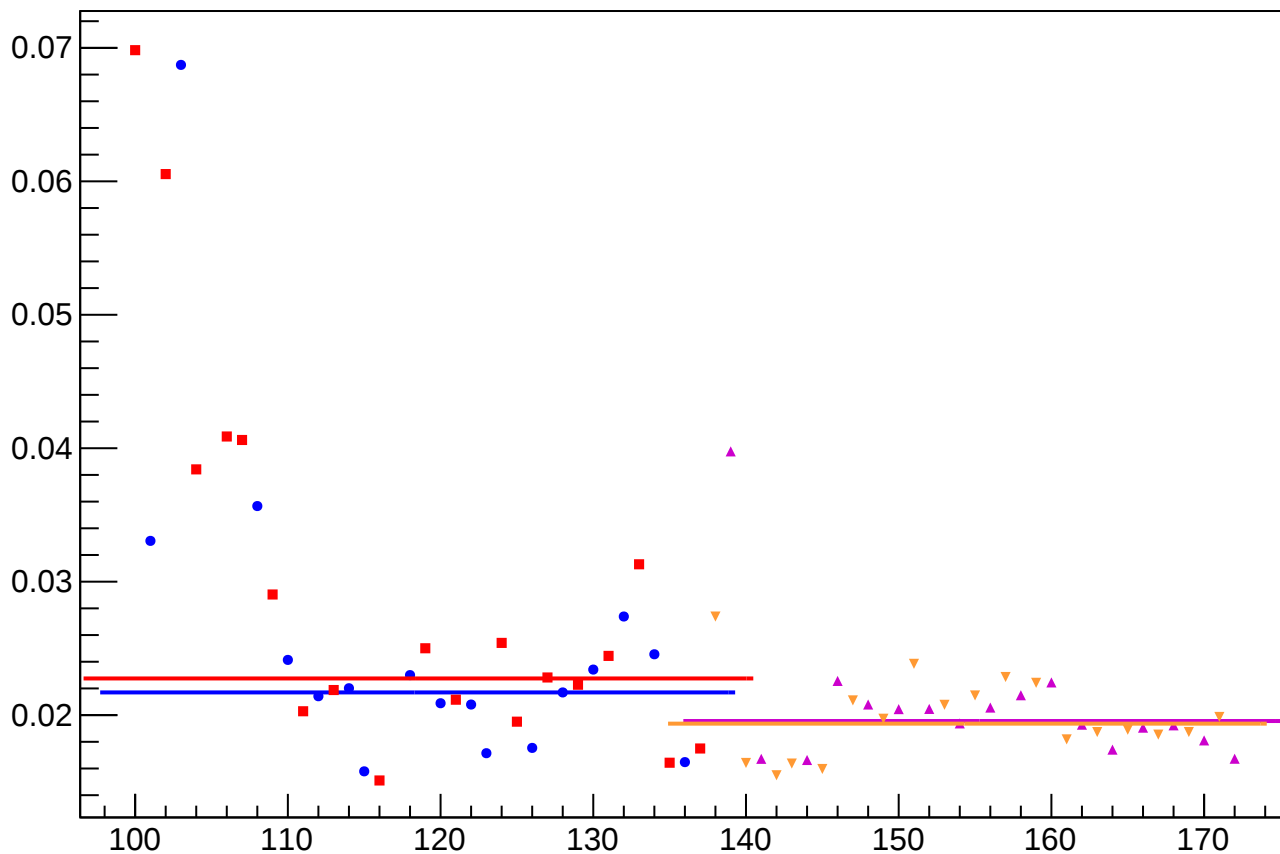
Right: -1.026 ± 0.000 χ^2/NDF : 921337924.7/35

In: -0.875 ± 0.000 χ^2/NDF : 734457818.3/33

Out: -0.888 ± 0.000 χ^2/NDF : 958137969.7/36

All: -0.882 ± 0.000 χ^2/NDF : 1695955833.7/77

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 : 396711.1/17

Right Out: 0.023+/-0.000 χ^2/NDF : 1152332.6/18

Left In: 0.020+/-0.000 χ^2/NDF : 569769.0/16

Left: 0.019+/-0.000 χ^2/NDF : 967574.3/34

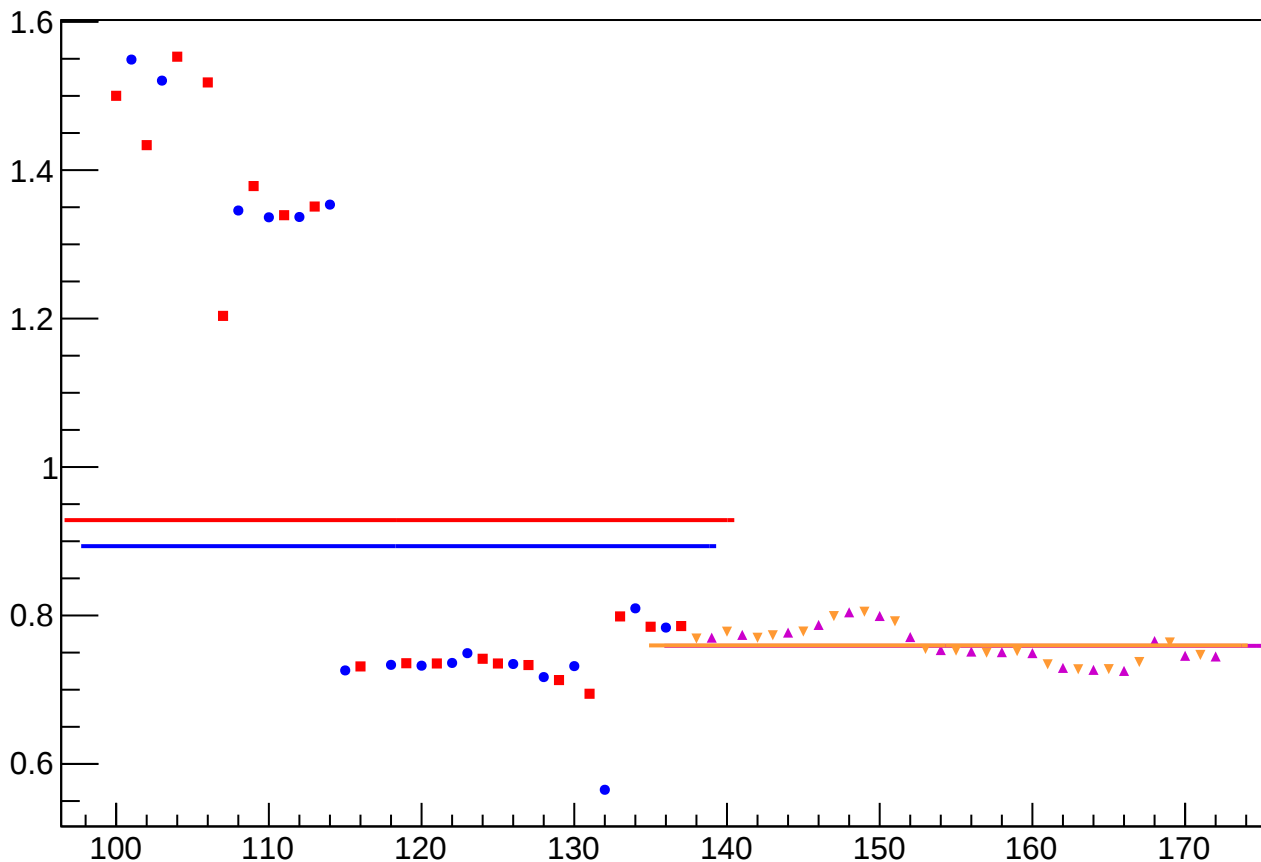
Right: 0.022+/-0.000 χ^2/NDF : 2143091.8/35

In: 0.020+/-0.000 χ^2/NDF : 1619889.3/33

Out: 0.020+/-0.000 χ^2/NDF : 1722475.1/36

All: 0.020+/-0.000 χ^2/NDF : 3342721.4/70

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.893 $\pm$ 0.000 χ^2/NDF : 2408017556.1/16

Left Out: 0.760 $\pm$ 0.000 χ^2/NDF :37422966.9/17

Right Out: 0.928 $\pm$ 0.000 χ^2/NDF : 2435640156.0/18

Left In: 0.759 $\pm$ 0.000 χ^2/NDF :35116417.8/16

Left: 0.759 $\pm$ 0.000 χ^2/NDF : 72552456.4/34

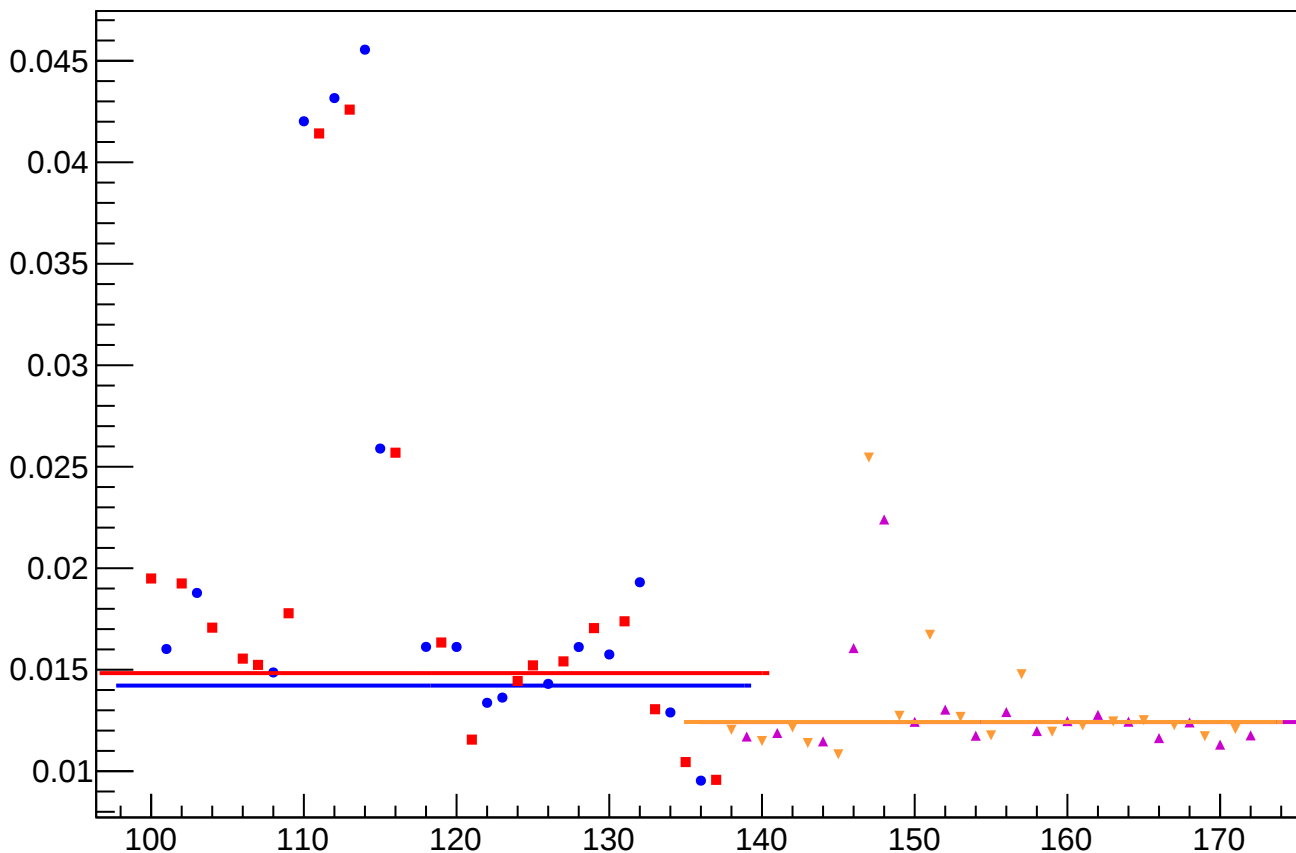
Right: 0.911 $\pm$ 0.000 χ^2/NDF : 4860512064.2/35

In: 0.793 $\pm$ 0.000 χ^2/NDF :2816197097.9/33

Out: 0.801 $\pm$ 0.000 χ^2/NDF :3056646694.1/36

All: 0.797 $\pm$ 0.000 χ^2/NDF : 5876753645.7/70

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2/NDF : 1409594.2/16

Left Out: 0.012 $\pm$ 0.000 χ^2/NDF : 592267.6/17

Right Out: 0.015 $\pm$ 0.000 χ^2/NDF : 1269559.2/18

Left In: 0.012 $\pm$ 0.000 χ^2/NDF : 435823.4/16

Left: 0.012 $\pm$ 0.000 χ^2/NDF : 1028092.6/34

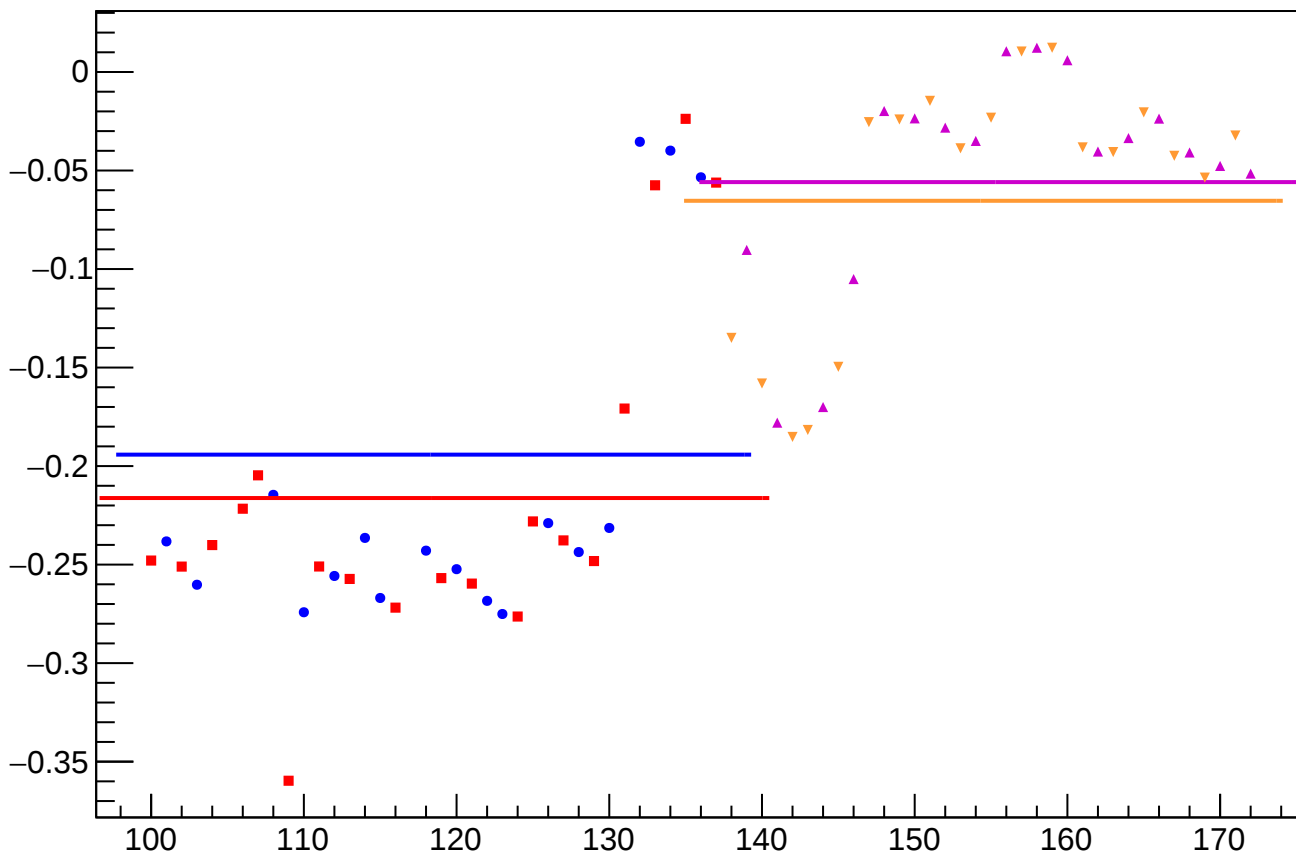
Right: 0.015 $\pm$ 0.000 χ^2/NDF : 2689500.8/35

In: 0.013 $\pm$ 0.000 χ^2/NDF : 1979100.5/33

Out: 0.013 $\pm$ 0.000 χ^2/NDF : 2099261.4/36

All: 0.013 $\pm$ 0.000 χ^2/NDF : 4080716.4/70

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 : 117173163.9/17

Right Out: -0.216+/-0.000 χ^2/NDF : 111036295.0/18

Left In: -0.056+/-0.000 χ^2/NDF : 97497290.9/16

Left: -0.061+/-0.000 χ^2/NDF : 215976230.2/34

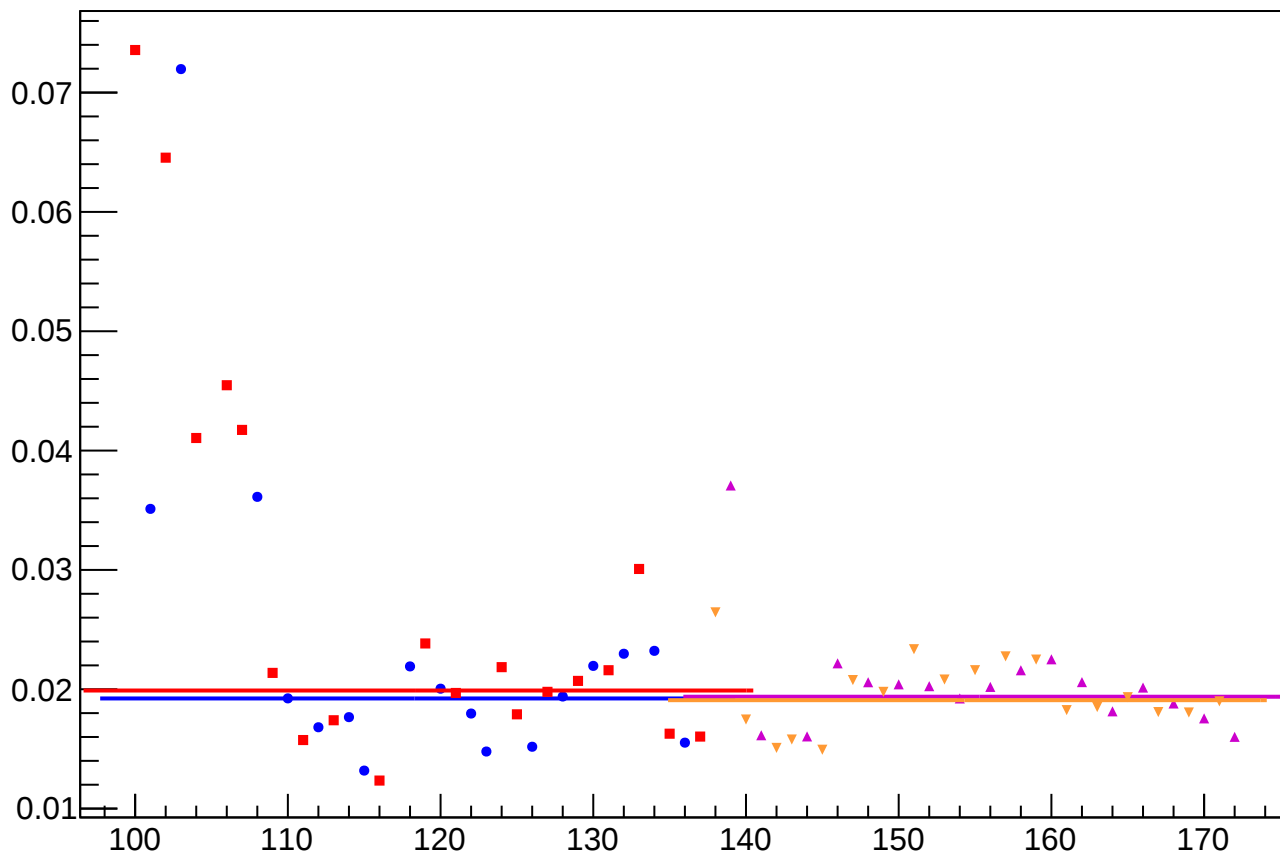
Right: -0.205+/-0.000 χ^2/NDF : 222671892.3/35

In: -0.100+/-0.000 χ^2/NDF : 379883711.4/33

Out: -0.111+/-0.000 χ^2/NDF : 434918906.6/36

All: -0.106+/-0.000 χ^2/NDF : 817386233.6/70

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 : 430745.7/17

Right Out: 0.020+/-0.000 χ^2/NDF : 1444442.2/18

Left In: 0.019+/-0.000 χ^2/NDF : 579091.3/16

Left: 0.019+/-0.000 χ^2/NDF : 1012267.3/34

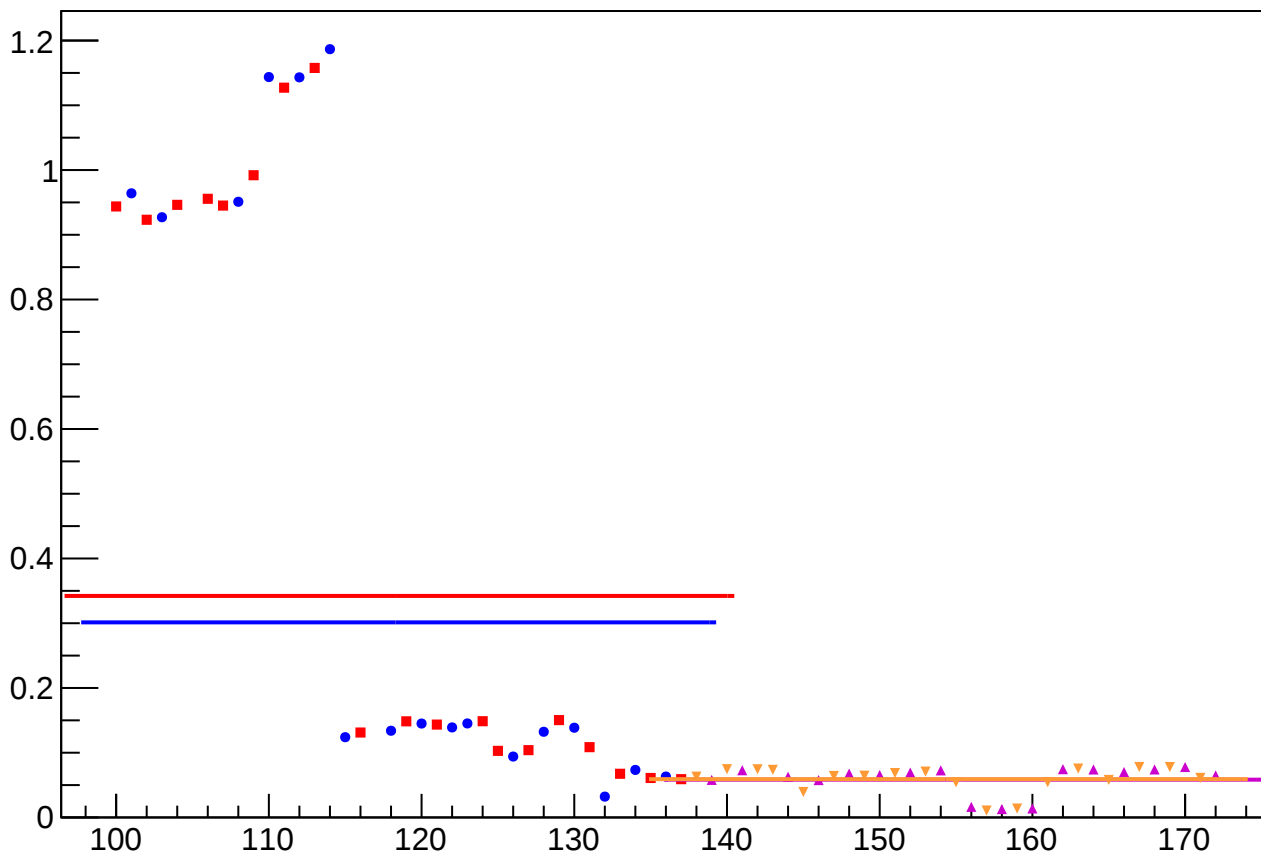
Right: 0.020+/-0.000 χ^2/NDF : 2624881.7/35

In: 0.019+/-0.000 χ^2/NDF : 1754050.2/33

Out: 0.019+/-0.000 χ^2/NDF : 1887111.1/36

All: 0.019+/-0.000 χ^2/NDF : 3641162.0/70

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.301+/-0.000 χ^2/NDF : 5154791073.8/16

Left Out: 0.059+/-0.000 χ^2/NDF : 43501129.1/17

Right Out: 0.342+/-0.000 χ^2/NDF : 5442717599.3/18

Left In: 0.058+/-0.000 χ^2/NDF : 55135317.5/16

Left: 0.059+/-0.000 χ^2/NDF : 98671083.0/34

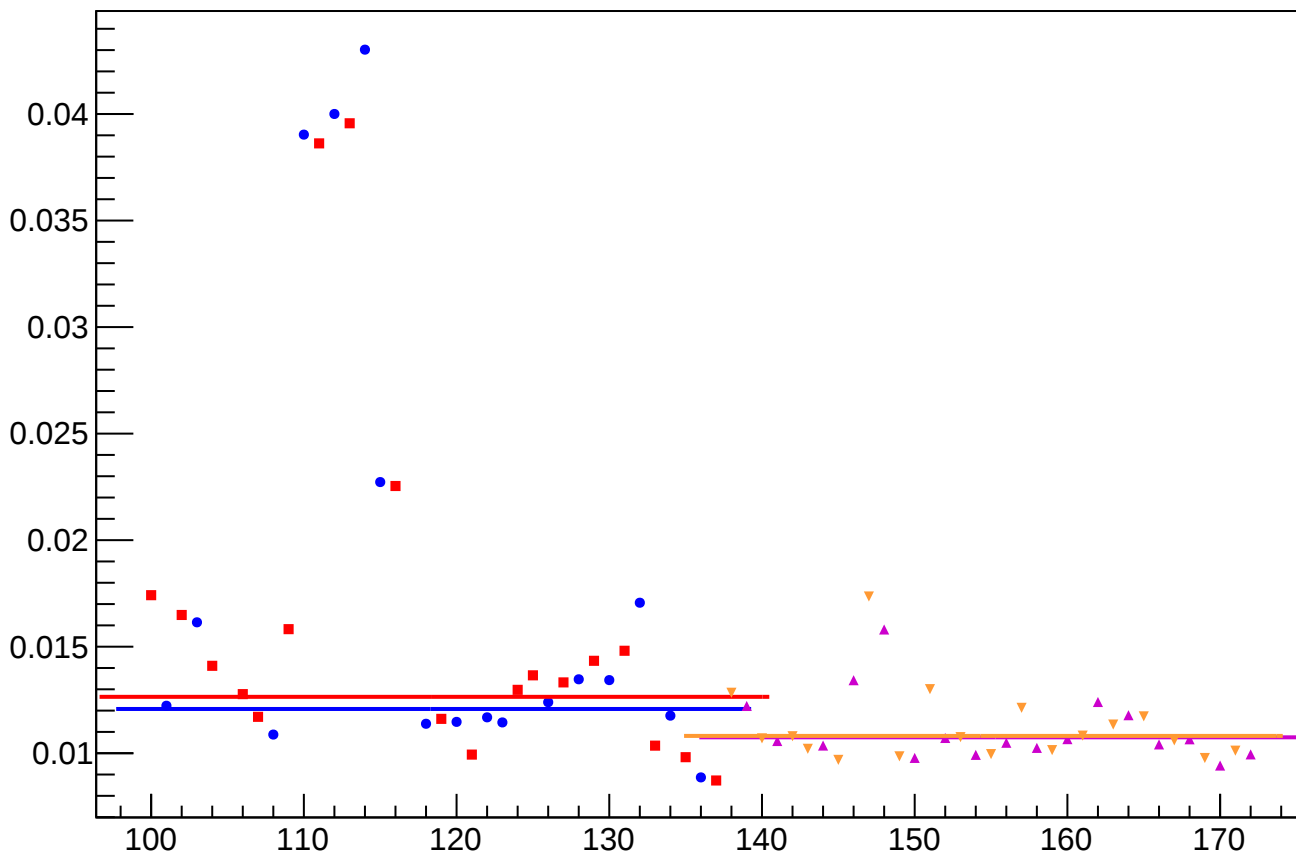
Right: 0.321+/-0.000 χ^2/NDF : 10628899850.1/35

In: 0.122+/-0.000 χ^2/NDF : 6886988807.5/33

Out: 0.130+/-0.000 χ^2/NDF : 7692519048.8/36

All: 0.126+/-0.000 χ^2/NDF : 14584889543.7/71

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 : 400444.5/17

Right Out: 0.013+/-0.000 χ^2/NDF : 1236084.9/18

Left In: 0.011+/-0.000 χ^2/NDF : 349117.5/16

Left: 0.011+/-0.000 χ^2/NDF : 750046.1/34

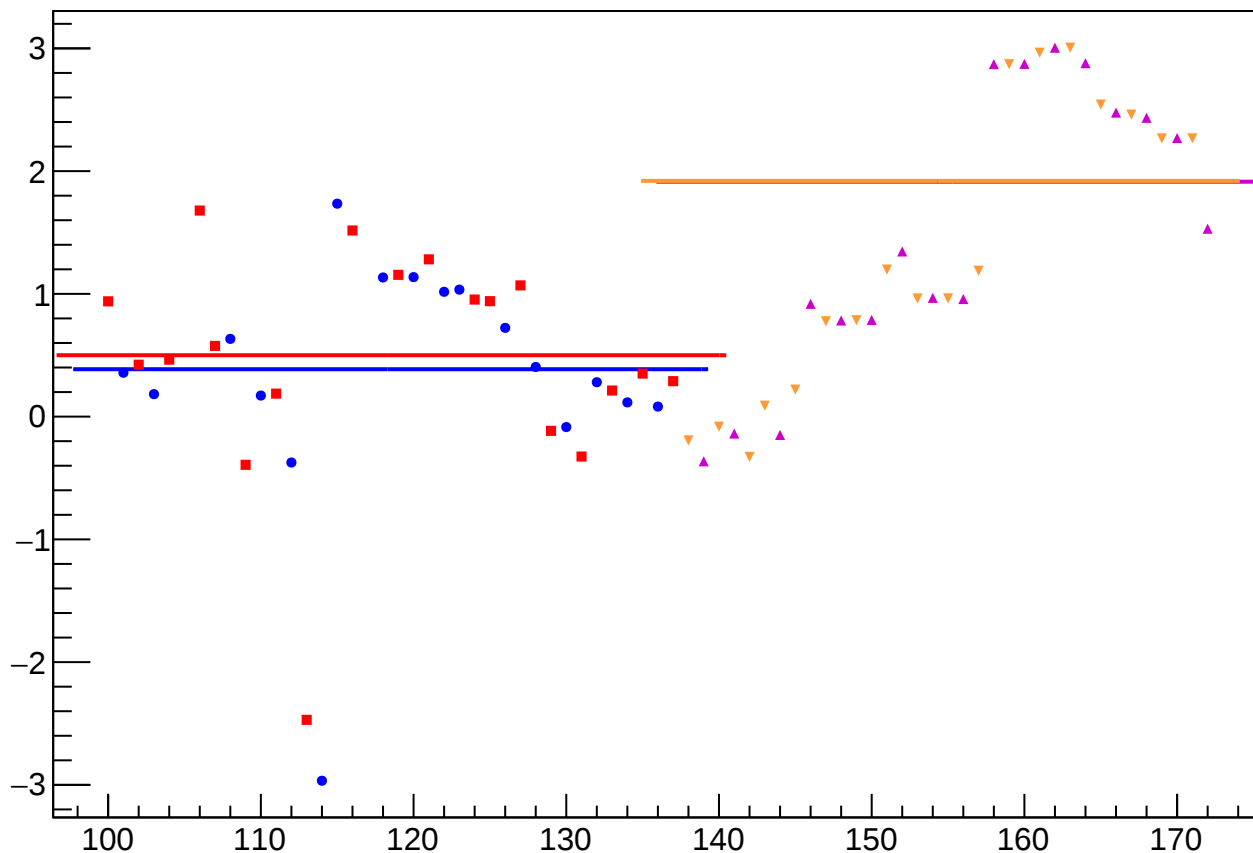
Right: 0.012+/-0.000 χ^2/NDF : 2528646.1/35

In: 0.011+/-0.000 χ^2/NDF : 1730055.7/33

Out: 0.011+/-0.000 χ^2/NDF : 1821829.5/36

All: 0.011+/-0.000 χ^2/NDF : 3556670.0/70

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: 0.386+/-0.000 χ^2/NDF : 246380221.7/16

Left Out: 1.921+/-0.000 χ^2/NDF : 27099137809.0/17

Right Out: 0.500+/-0.000 χ^2/NDF : 983386658.7/18

Left In: 1.914+/-0.000 χ^2/NDF : 28570445537.0/16

Left: 1.917+/-0.000 χ^2/NDF : 55670402867.7/34

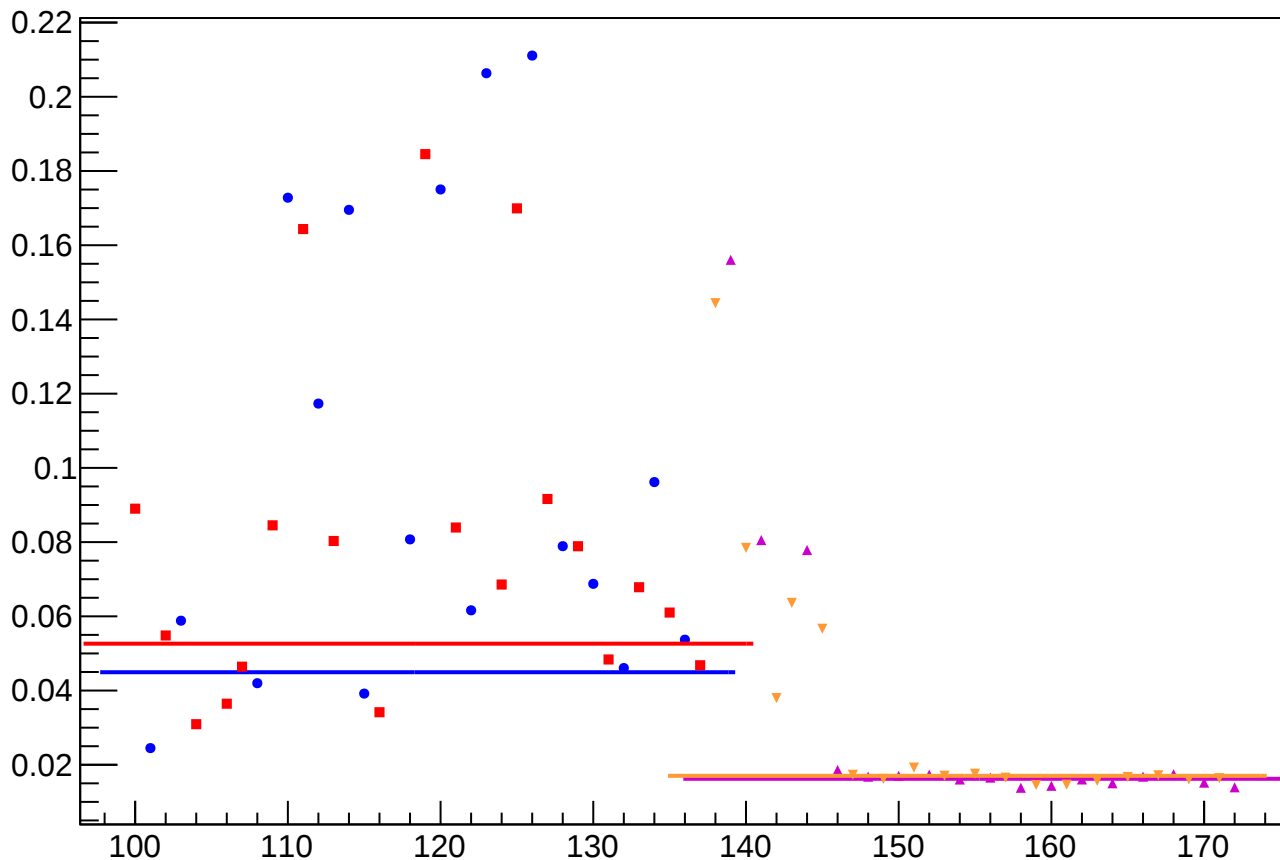
Right: 0.439+/-0.000 χ^2/NDF : 1240216918.3/35

In: 1.845+/-0.000 χ^2/NDF : 32710488990.2/33

Out: 1.860+/-0.000 χ^2/NDF : 30958330226.8/36

All: 1.852+/-0.000 χ^2/NDF : 63673327645.9/71

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 : 2741988.0/17

Right Out: 0.053+/-0.000 χ^2/NDF : 2191752.0/18

Left In: 0.016+/-0.000 χ^2/NDF : 2449963.9/16

Left: 0.017+/-0.000 χ^2/NDF : 5214599.6/34

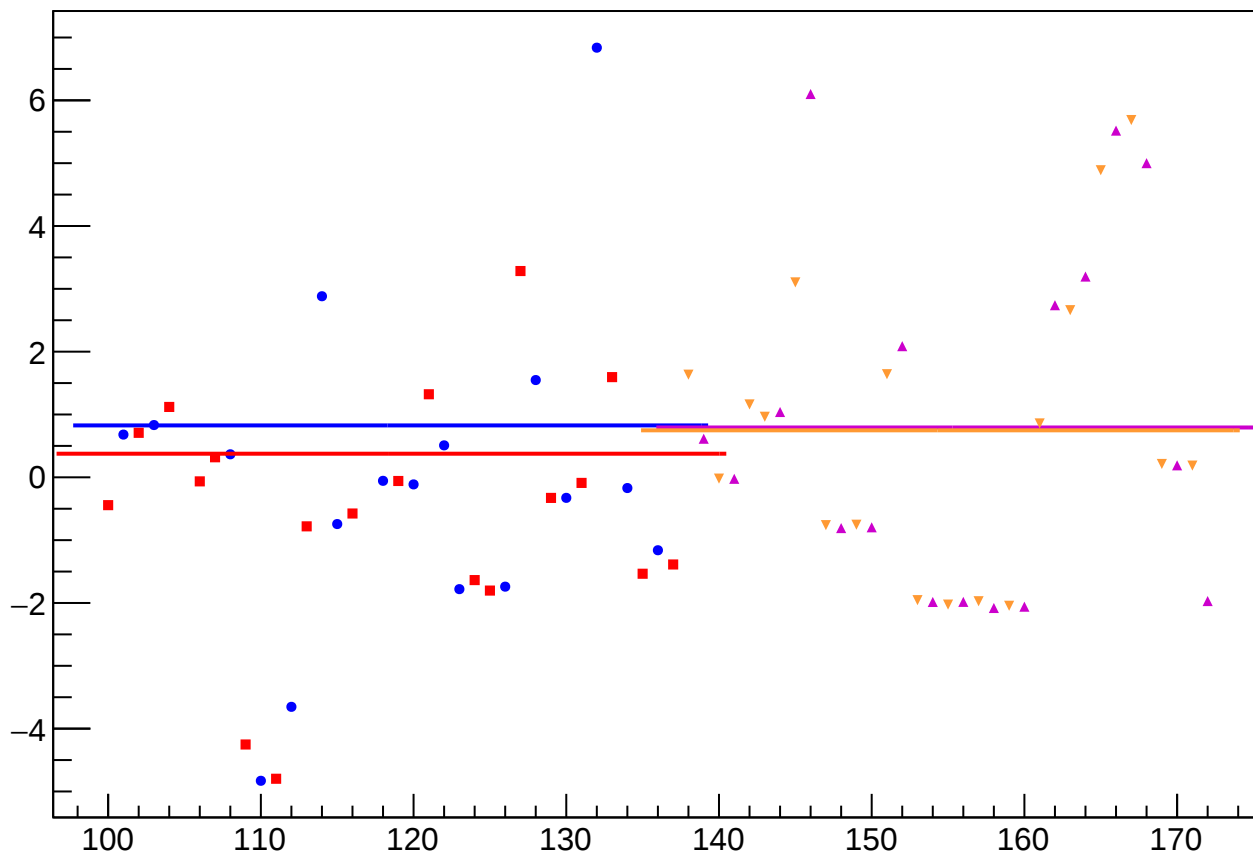
Right: 0.048+/-0.000 χ^2/NDF : 5075265.3/35

In: 0.018+/-0.000 χ^2/NDF : 7990354.1/33

Out: 0.019+/-0.000 χ^2/NDF : 8548676.0/36

All: 0.018+/-0.000 χ^2/NDF : 16576841.0/70

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 0.826+/-0.000

χ^2/NDF : 10945455664.9/16

Left: 0.771+/-0.000 χ^2/NDF : 886124958806.6/34

Right: 0.614+/-0.000 χ^2/NDF : 16267855103.5/35

Left Out: 0.748+/-0.000

χ^2/NDF : 364726787987.1/17

In: 0.795+/-0.000 χ^2/NDF : 532289550341.0/33

Right Out: 0.376+/-0.000

χ^2/NDF : 4947158634.2/18

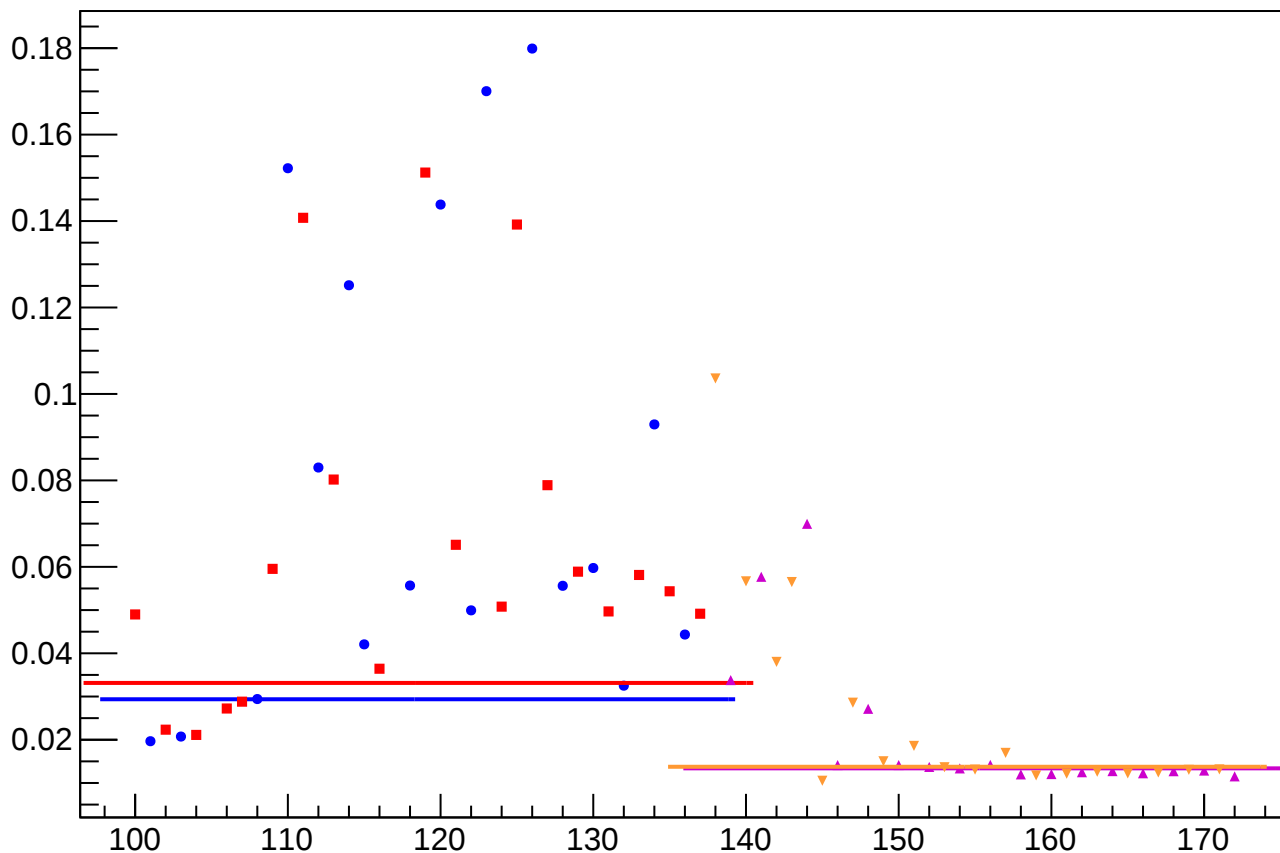
Out: 0.726+/-0.000 χ^2/NDF : 370129010427.6/36

Left In: 0.793+/-0.000

χ^2/NDF : 521340063488.1/16

All: 0.762+/-0.000 χ^2/NDF : 902565056646.9

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 : 2844930.7/17

Right Out: 0.033+/-0.000 χ^2/NDF : 3099105.0/18

Left In: 0.013+/-0.000 χ^2/NDF : 1932991.5/16

Left: 0.014+/-0.000 χ^2/NDF : 4785625.8/34

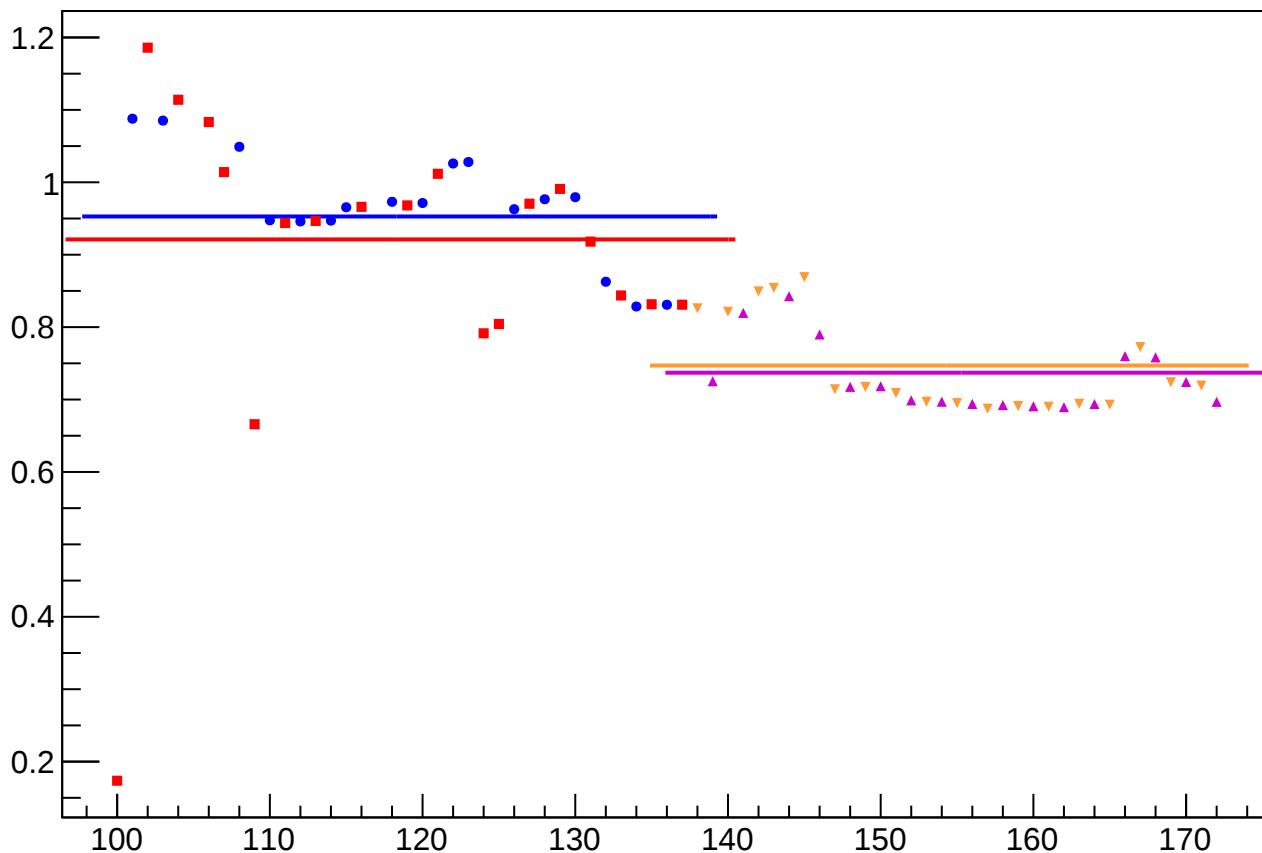
Right: 0.031+/-0.000 χ^2/NDF : 6139085.6/35

In: 0.014+/-0.000 χ^2/NDF : 6805749.4/33

Out: 0.015+/-0.000 χ^2/NDF : 8415092.9/36

All: 0.015+/-0.000 χ^2/NDF : 15238366.2/70

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.953+/-0.000 χ^2/NDF : 175750243.6/16

Left Out: 0.747+/-0.000 χ^2/NDF : 265391353.5/17

Right Out: 0.921+/-0.000 χ^2/NDF : 374151585.5/18

Left In: 0.737+/-0.000 χ^2/NDF : 164414287.9/16

Left: 0.742+/-0.000 χ^2/NDF : 432920168.9/34

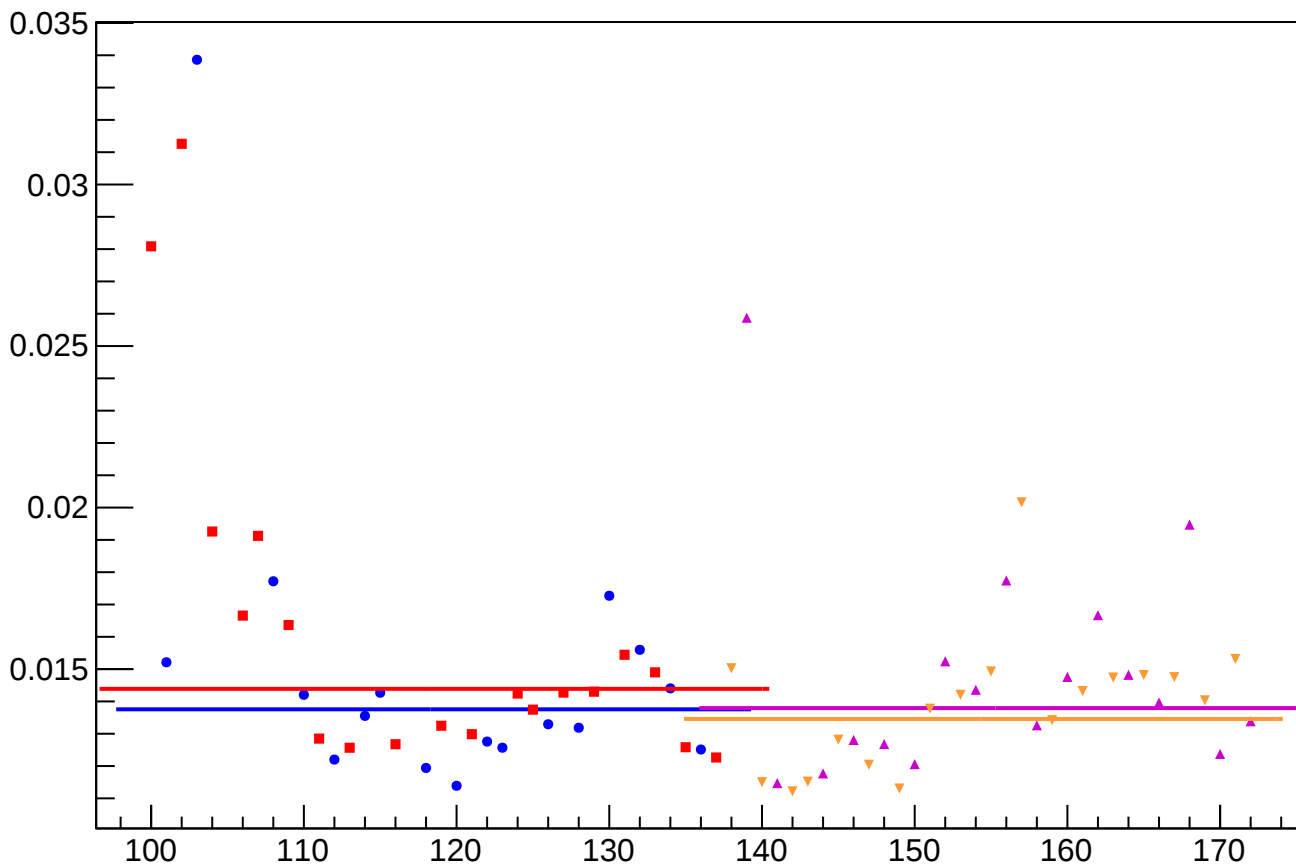
Right: 0.937+/-0.000 χ^2/NDF : 564889848.1/35

In: 0.809+/-0.000 χ^2/NDF : 1286926451.2/33

Out: 0.801+/-0.000 χ^2/NDF : 1251841331.0/36

All: 0.805+/-0.000 χ^2/NDF : 2541195269.9/70

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 538469.4/16

Left Out: 0.013 $\pm$ 0.000 χ^2 /NDF:396041.1/17

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 503813.0/18

Left In: 0.014 $\pm$ 0.000 χ^2 /NDF:752097.3/16

Left: 0.014 $\pm$ 0.000 χ^2 /NDF: 1155266.2/34

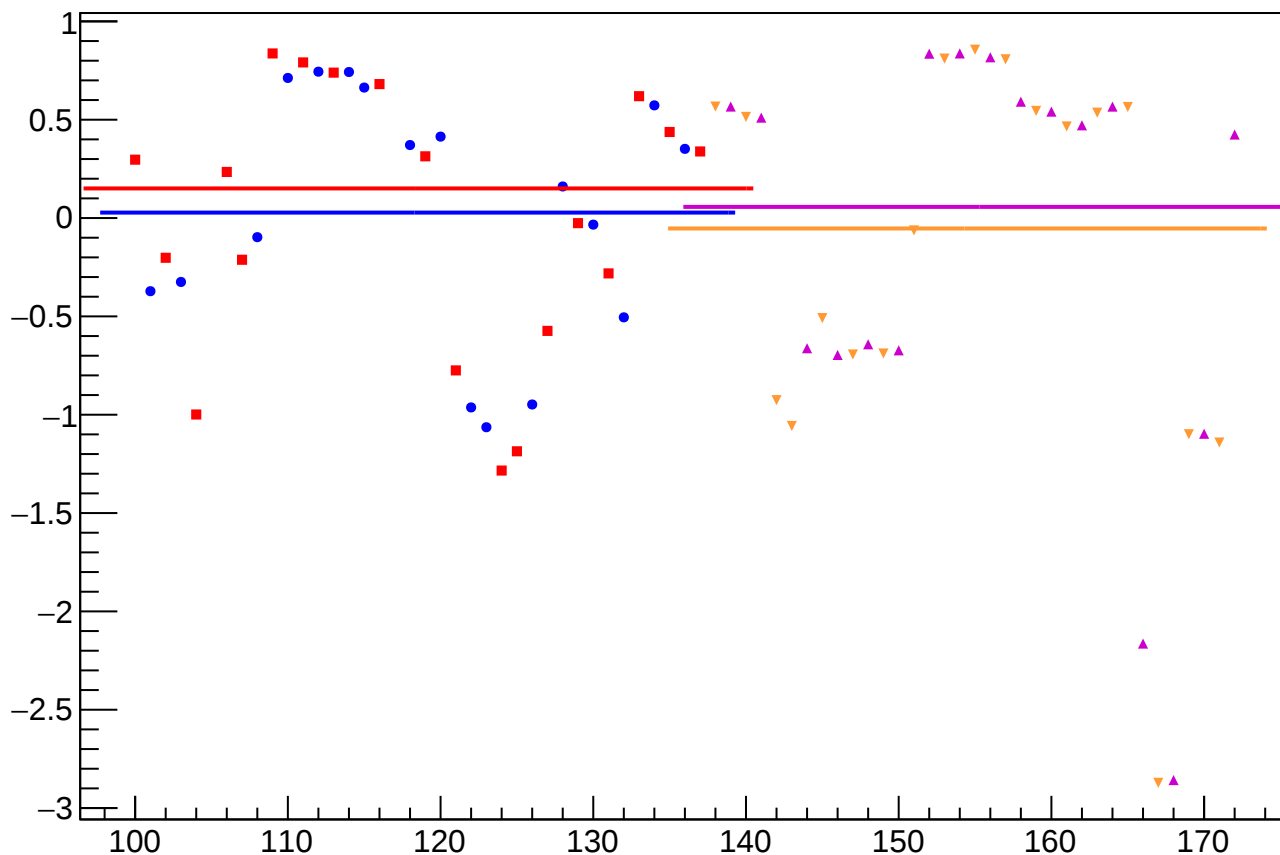
Right: 0.014 $\pm$ 0.000 χ^2 /NDF: 1054284.2/35

In: 0.014 $\pm$ 0.000 χ^2 /NDF:1290625.6/33

Out: 0.014 $\pm$ 0.000 χ^2 /NDF:934945.0/36

All: 0.014 $\pm$ 0.000 χ^2 /NDF: 2225671.6/70

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.000

χ^2/NDF : 6276955529.7/16

Left: 0.002+/-0.000 χ^2/NDF : 151363895813.1/34

Right: 0.095+/-0.000 χ^2/NDF : 19125643372.9/35

Left Out: -0.053+/-0.000

χ^2/NDF : 72209593641.9/17

In: 0.050+/-0.000 χ^2/NDF : 84954536479.1/33

Right Out: 0.151+/-0.000

χ^2/NDF : 12653743155.9/18

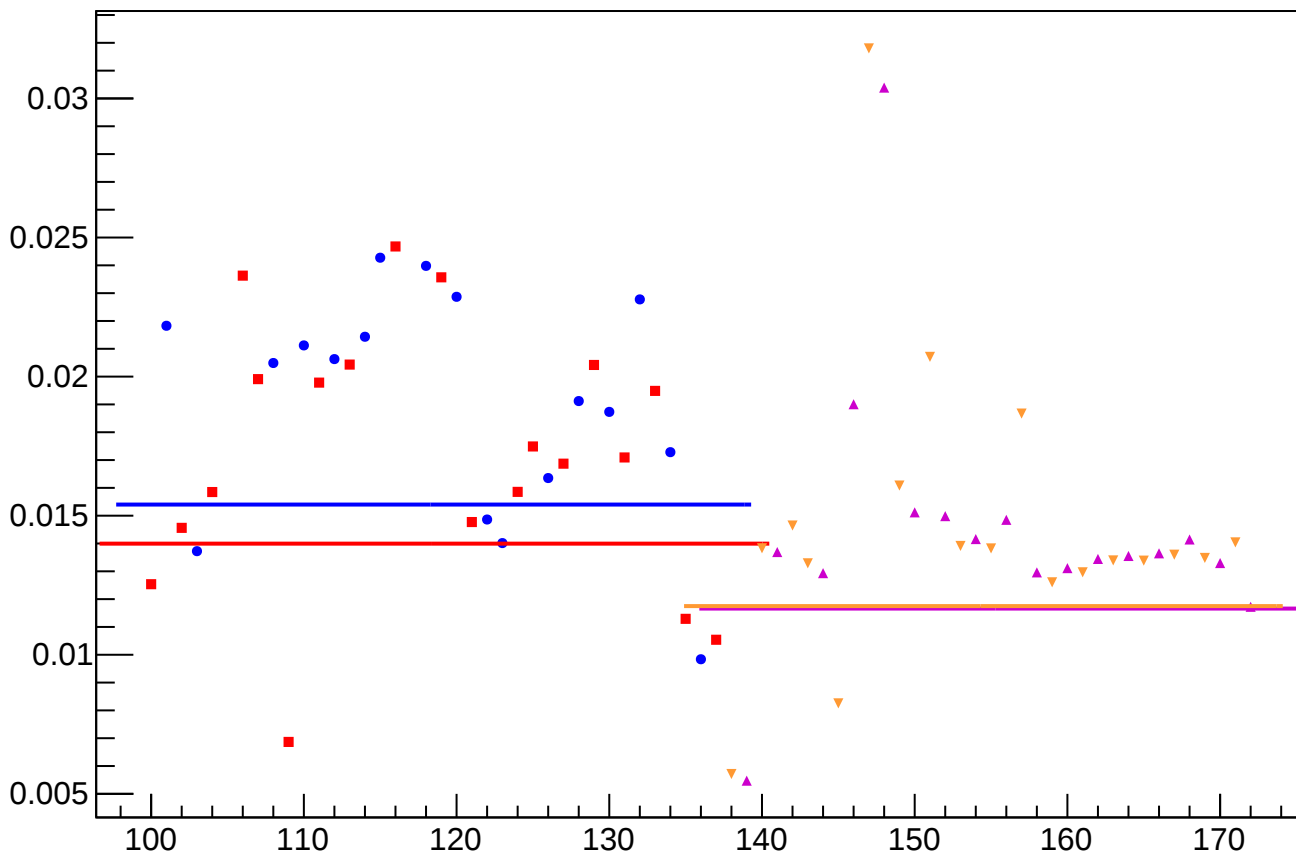
Out: -0.000+/-0.000 χ^2/NDF : 85740012919.9/36

Left In: 0.057+/-0.000

χ^2/NDF : 78662191277.1/16

All: 0.024+/-0.000 χ^2/NDF : 170831640204.0

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 : 3016952.3/17

Right Out: 0.014+/-0.000 χ^2/NDF : 1561550.9/18

Left In: 0.012+/-0.000 χ^2/NDF : 3033045.2/16

Left: 0.012+/-0.000 χ^2/NDF : 6050646.3/34

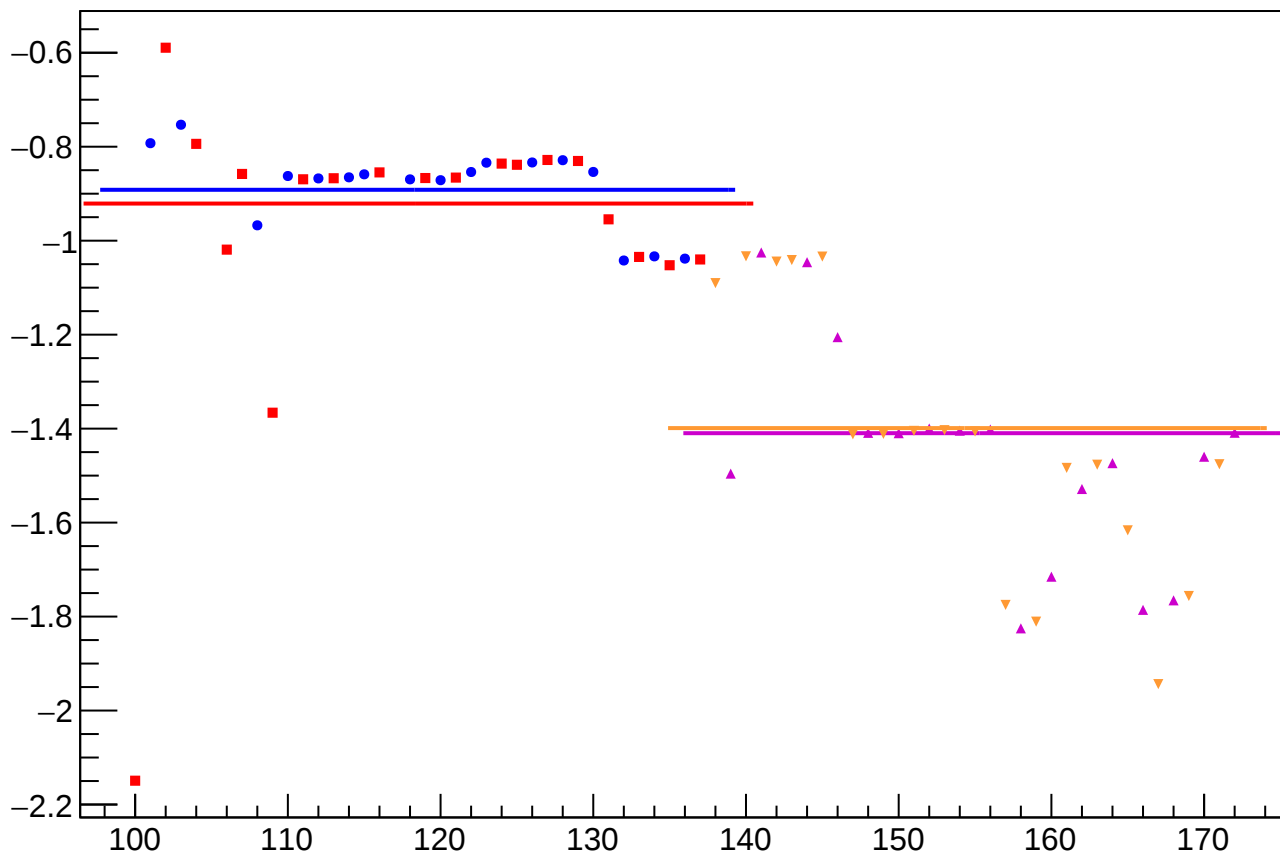
Right: 0.015+/-0.000 χ^2/NDF : 2754233.9/35

In: 0.012+/-0.000 χ^2/NDF : 4687227.4/33

Out: 0.012+/-0.000 χ^2/NDF : 4791692.5/36

All: 0.012+/-0.000 χ^2/NDF : 9481878.9/70

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.892 ± 0.000 $\chi^2/\text{NDF}: 39793337.2/16$

Left Out: -1.399 ± 0.000 $\chi^2/\text{NDF}: 714290327.0/17$

Right Out: -0.921 ± 0.000 $\chi^2/\text{NDF}: 131159330.1/18$

Left In: -1.410 ± 0.000 $\chi^2/\text{NDF}: 511150899.8/16$

Left: -1.404 ± 0.000 $\chi^2/\text{NDF}: 1225997005.7/34$

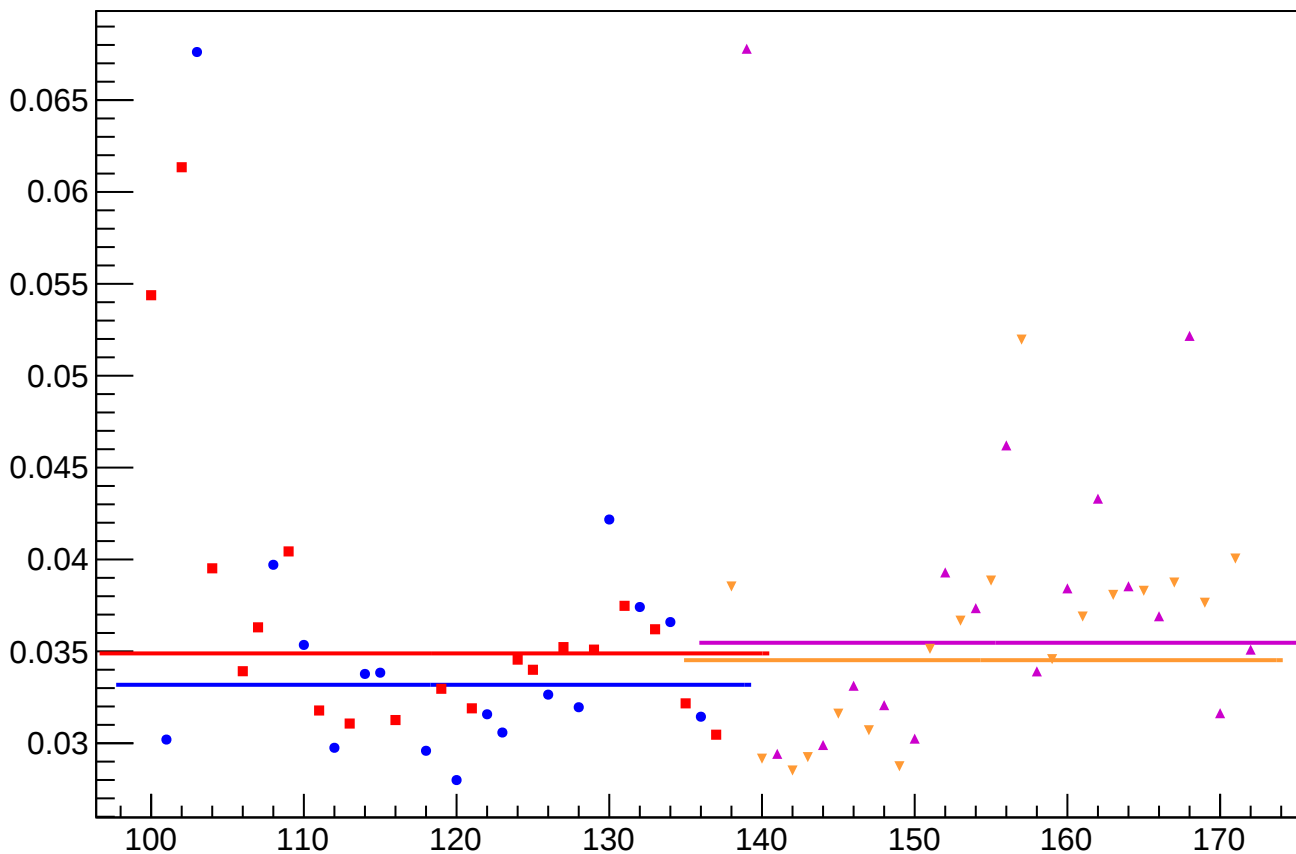
Right: -0.906 ± 0.000 $\chi^2/\text{NDF}: 173170801.3/35$

In: -1.221 ± 0.000 $\chi^2/\text{NDF}: 1450619991.9/33$

Out: -1.236 ± 0.000 $\chi^2/\text{NDF}: 1604989352.4/36$

All: -1.228 ± 0.000 $\chi^2/\text{NDF}: 3057261561.0/7$

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.033 $\pm$ 0.000 χ^2/NDF : 400106.0/16

Left Out: 0.035 $\pm$ 0.000 χ^2/NDF : 451841.0/17

Right Out: 0.035 $\pm$ 0.000 χ^2/NDF : 275013.9/18

Left In: 0.035 $\pm$ 0.000 χ^2/NDF : 836051.7/16

Left: 0.035 $\pm$ 0.000 χ^2/NDF : 1296371.6/34

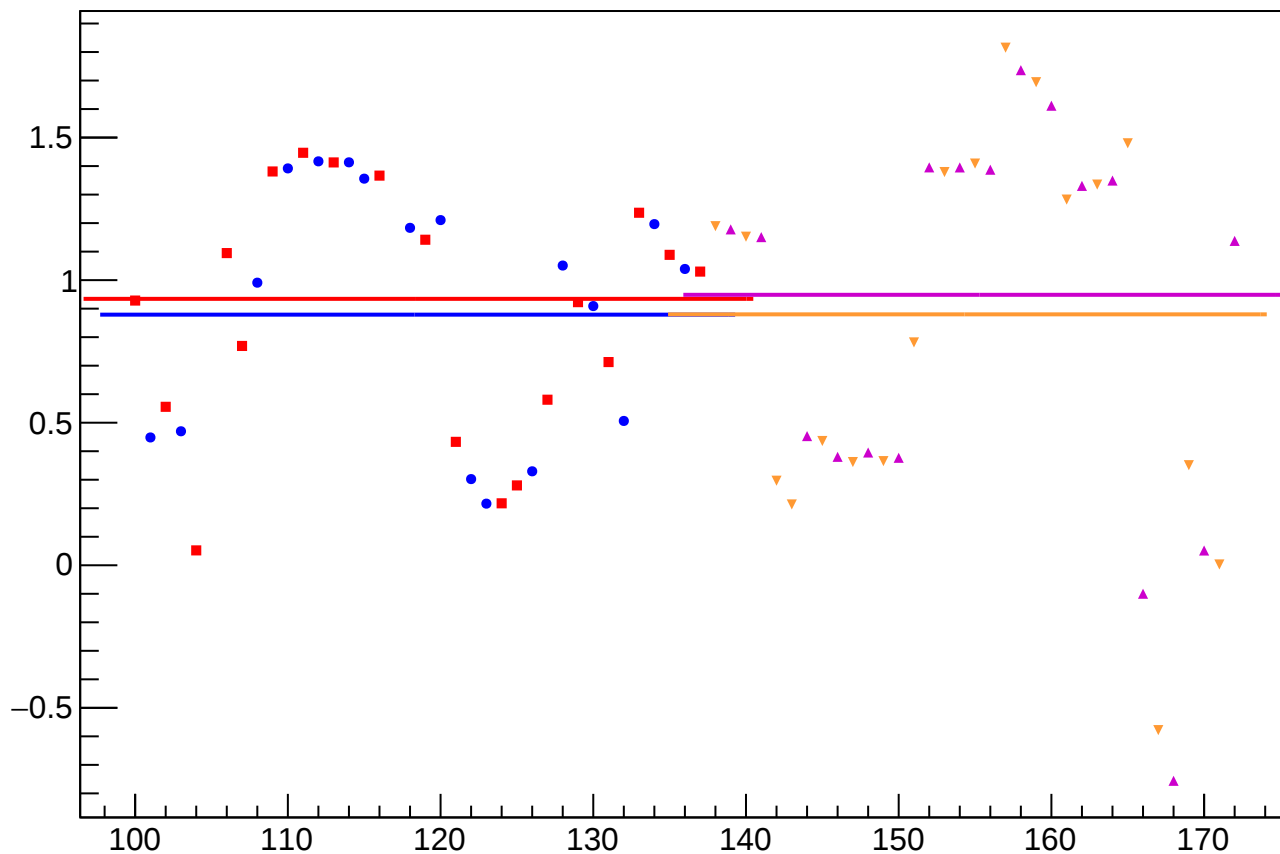
Right: 0.034 $\pm$ 0.000 χ^2/NDF : 690186.6/35

In: 0.035 $\pm$ 0.000 χ^2/NDF : 1271227.7/33

Out: 0.035 $\pm$ 0.000 χ^2/NDF : 727757.5/36

All: 0.035 $\pm$ 0.000 χ^2/NDF : 1998987.9/70

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.879+/-0.000 χ^2/NDF : 6371602566.2/16

Left Out: 0.880+/-0.000 χ^2/NDF : 63237776616.4/17

Right Out: 0.934+/-0.000 χ^2/NDF : 9827120184.9/18

Left In: 0.949+/-0.000 χ^2/NDF : 65445963101.9/16

Left: 0.914+/-0.000 χ^2/NDF : 129052301953.1/34

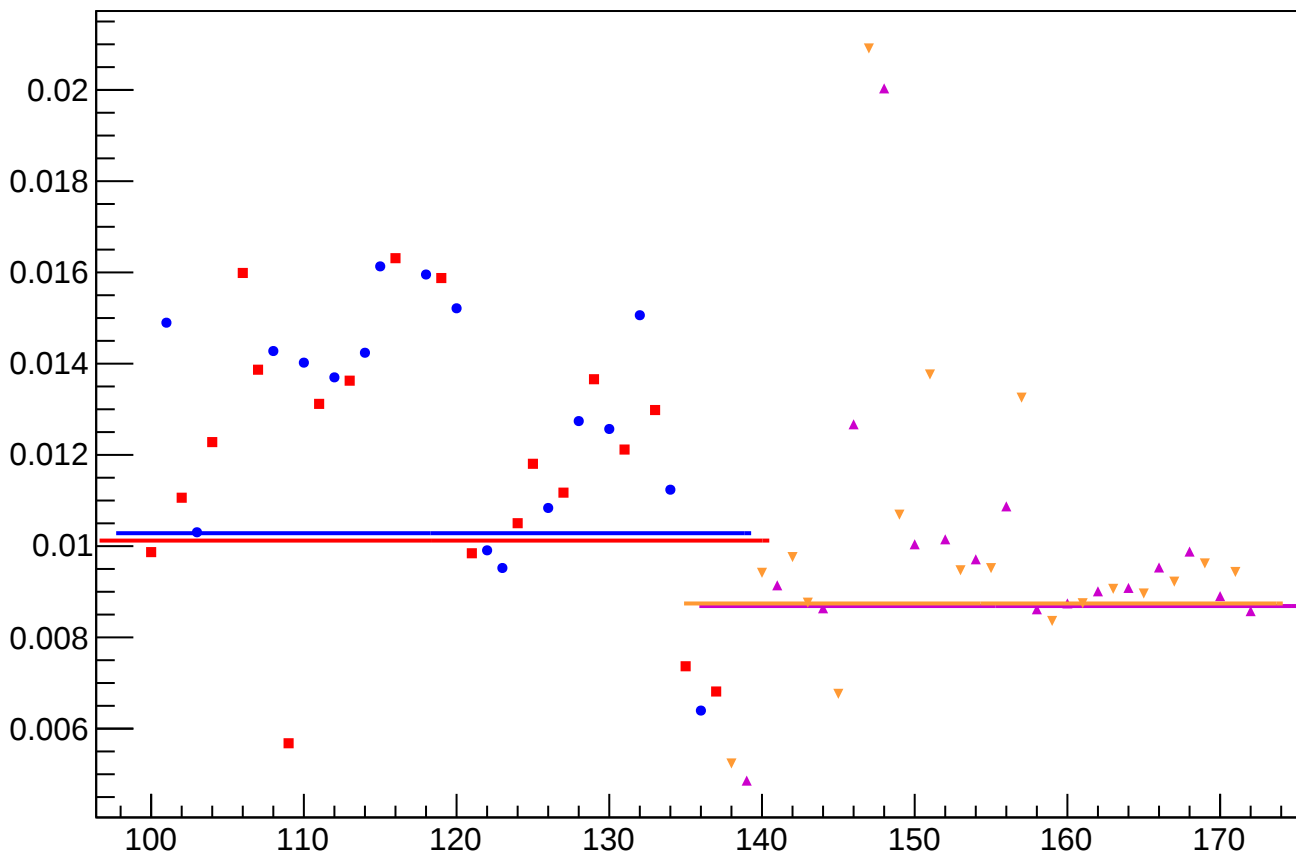
Right: 0.908+/-0.000 χ^2/NDF : 16282606826.3/35

In: 0.931+/-0.000 χ^2/NDF : 72008098414.7/33

Out: 0.894+/-0.000 χ^2/NDF : 73188343244.4/36

All: 0.913+/-0.000 χ^2/NDF : 145338274062.0

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 : 1688698.9/17

Right Out: 0.010+/-0.000 χ^2/NDF : 1176642.1/18

Left In: 0.009+/-0.000 χ^2/NDF : 1654028.7/16

Left: 0.009+/-0.000 χ^2/NDF : 3343221.6/34

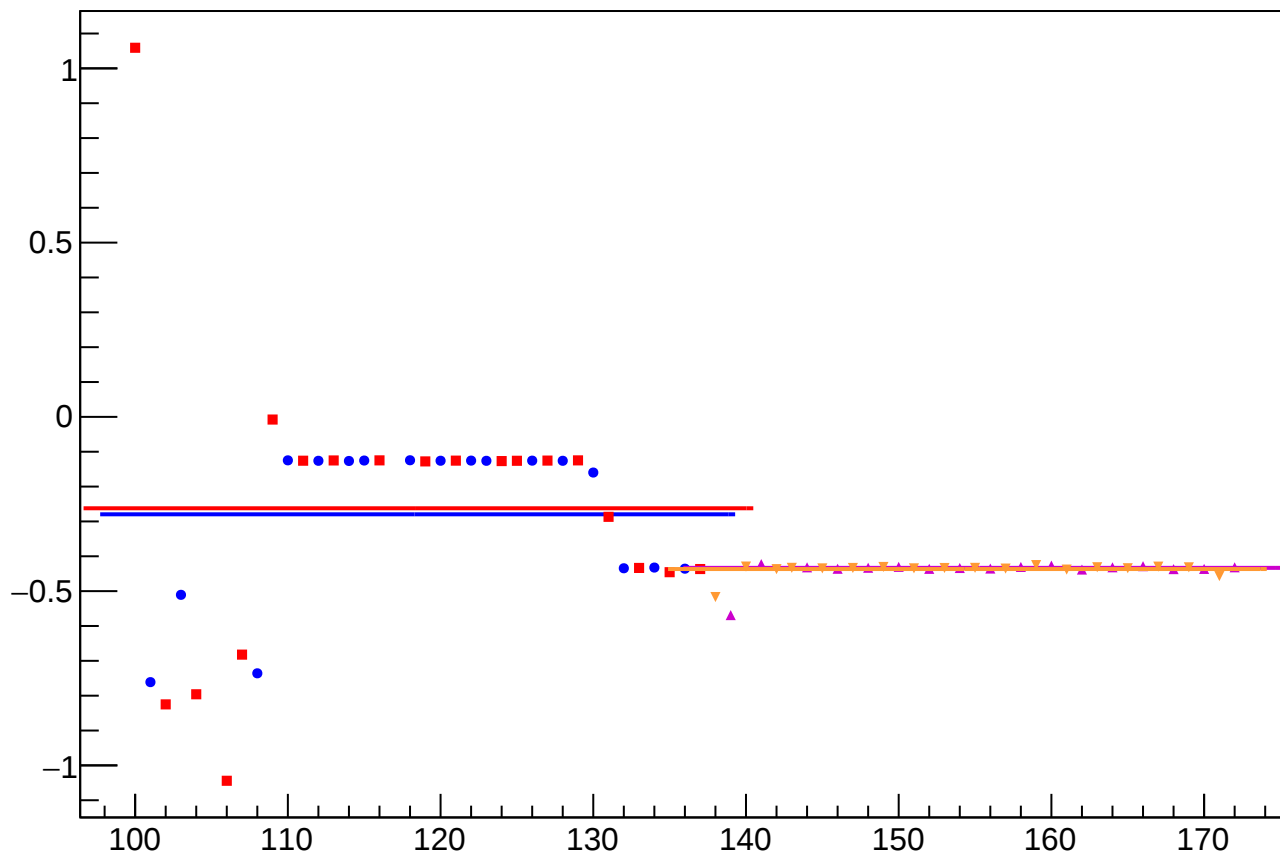
Right: 0.010+/-0.000 χ^2/NDF : 2385530.8/35

In: 0.009+/-0.000 χ^2/NDF : 3062052.6/33

Out: 0.009+/-0.000 χ^2/NDF : 3024276.3/36

All: 0.009+/-0.000 χ^2/NDF : 6086426.6/70

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.280 ± 0.000 χ^2/NDF : 929210245.5/16

Left Out: -0.437 ± 0.000 χ^2/NDF : 28636794.7/17

Right Out: -0.262 ± 0.000 χ^2/NDF : 1006263824.6/18

Left In: -0.433 ± 0.000 χ^2/NDF : 19814464.4/16

Left: -0.435 ± 0.000 χ^2/NDF : 49092429.5/34

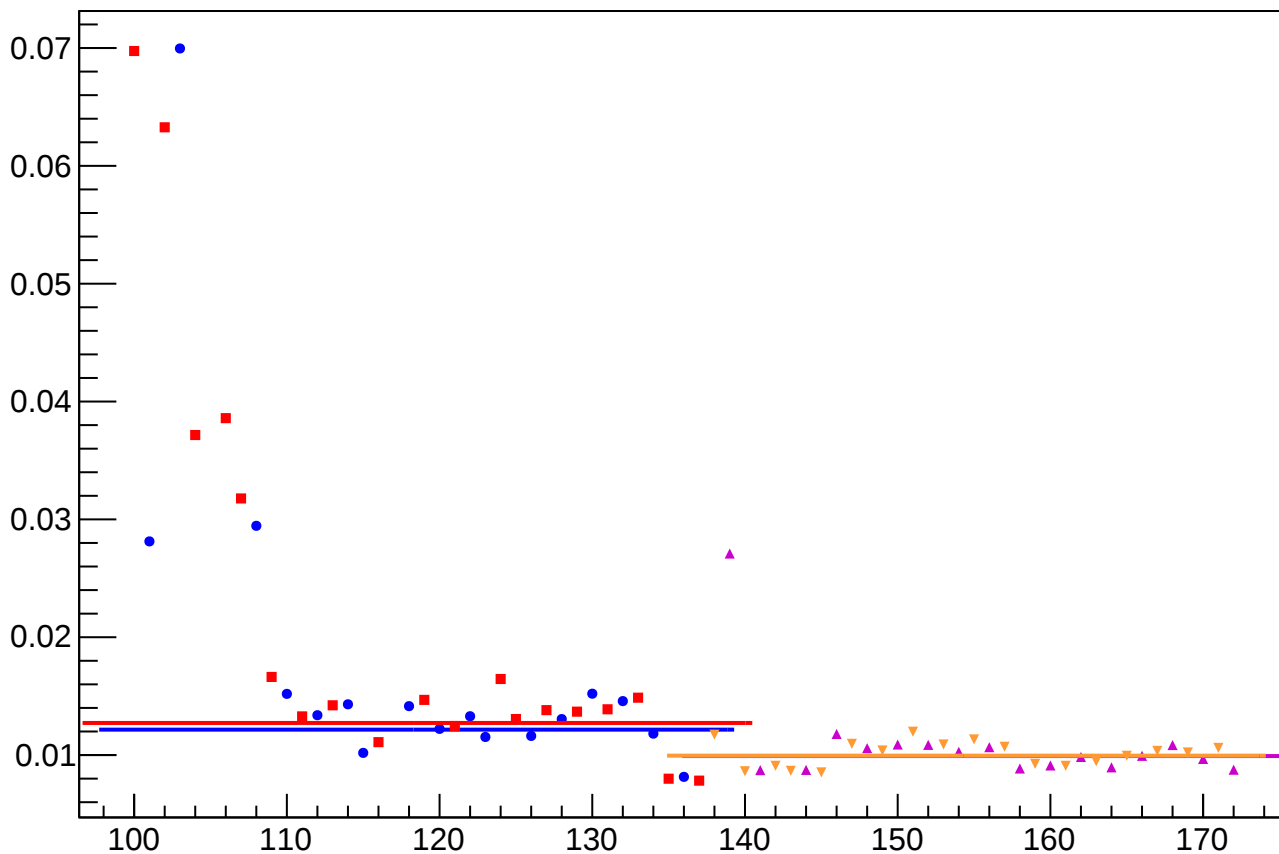
Right: -0.271 ± 0.000 χ^2/NDF : 1940066892.0/35

In: -0.399 ± 0.000 χ^2/NDF : 1528765058.7/33

Out: -0.400 ± 0.000 χ^2/NDF : 1754168669.1/36

All: -0.400 ± 0.000 χ^2/NDF : 3283015733.0/7

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 1722777.4/16

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF:235367.0/17

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 1967397.9/18

Left In: 0.010 $\pm$ 0.000 χ^2 /NDF:763438.1/16

Left: 0.010 $\pm$ 0.000 χ^2 /NDF: 998939.7/34

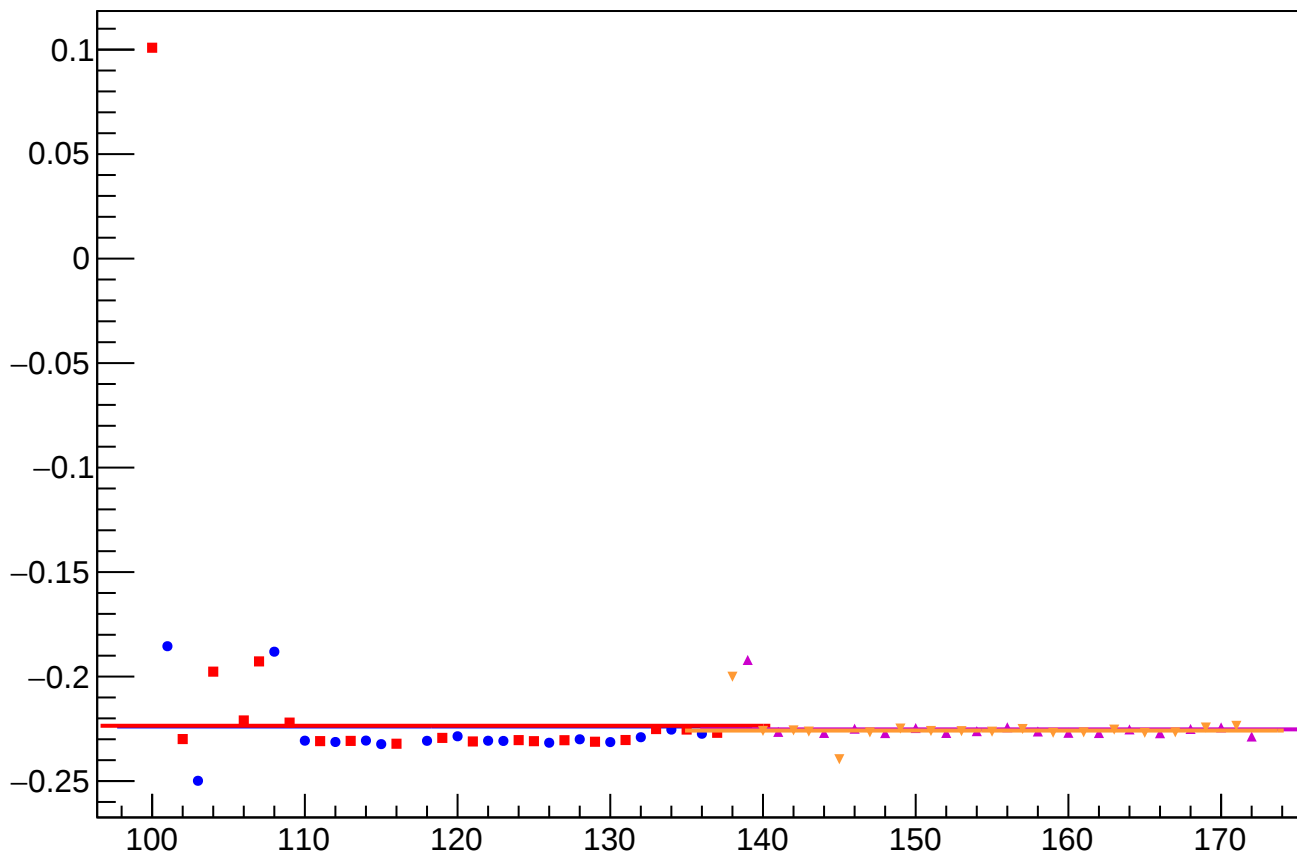
Right: 0.012 $\pm$ 0.000 χ^2 /NDF: 3700041.2/35

In: 0.010 $\pm$ 0.000 χ^2 /NDF:2732950.8/33

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:2567026.7/36

All: 0.010 $\pm$ 0.000 χ^2 /NDF: 5301910.0/70

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 : 20834519.5/17

Right Out: -0.224+/-0.000 χ^2/NDF : 168124199.3/18

Left In: -0.225+/-0.000 χ^2/NDF : 13173324.1/16

Left: -0.226+/-0.000 χ^2/NDF : 34084127.5/34

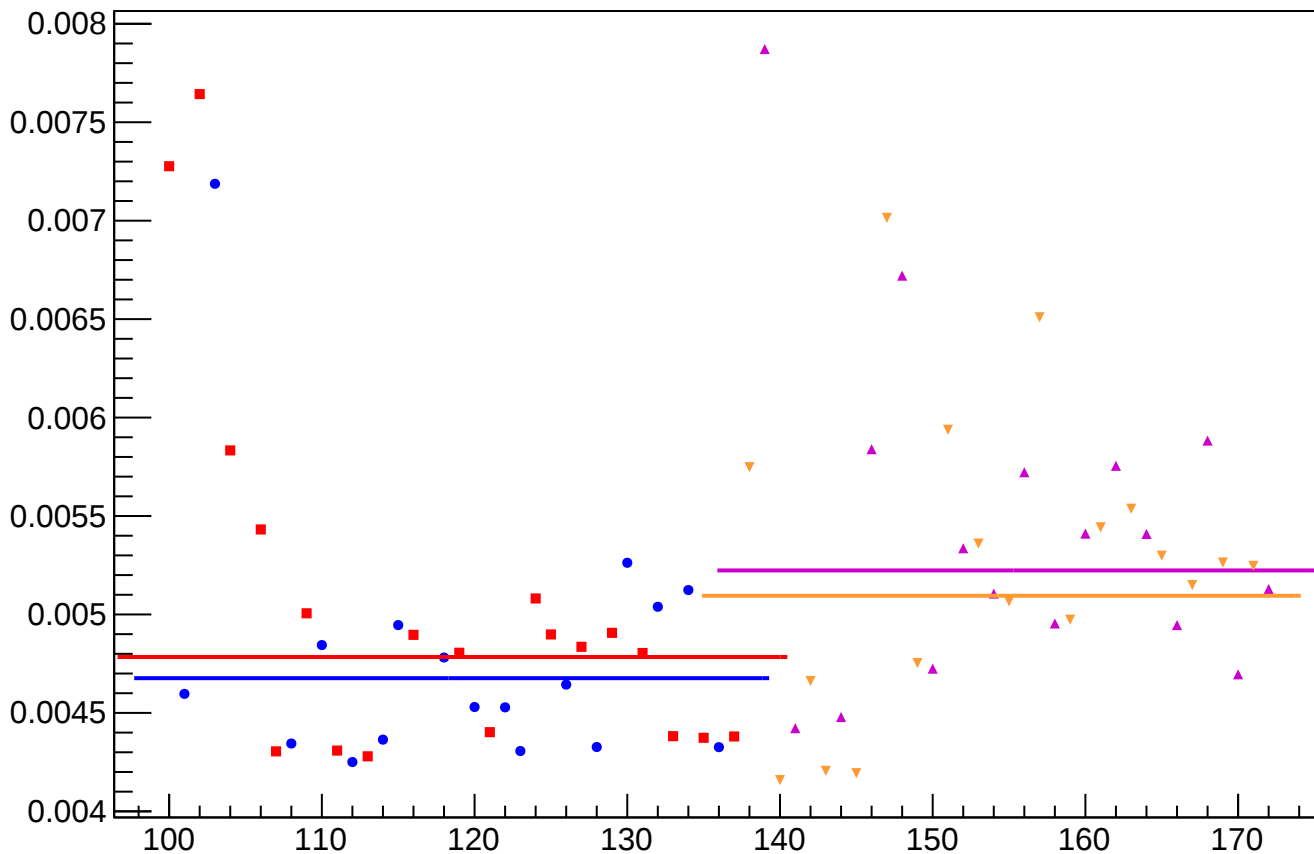
Right: -0.224+/-0.000 χ^2/NDF : 242740169.2/35

In: -0.225+/-0.000 χ^2/NDF : 88097926.0/33

Out: -0.225+/-0.000 χ^2/NDF : 189885281.8/36

All: -0.225+/-0.000 χ^2/NDF : 278006601.9/70

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 : 452554.0/17

Right Out: 0.005+/-0.000 χ^2/NDF : 248269.2/18

Left In: 0.005+/-0.000 χ^2/NDF : 436530.7/16

Left: 0.005+/-0.000 χ^2/NDF : 896807.8/34

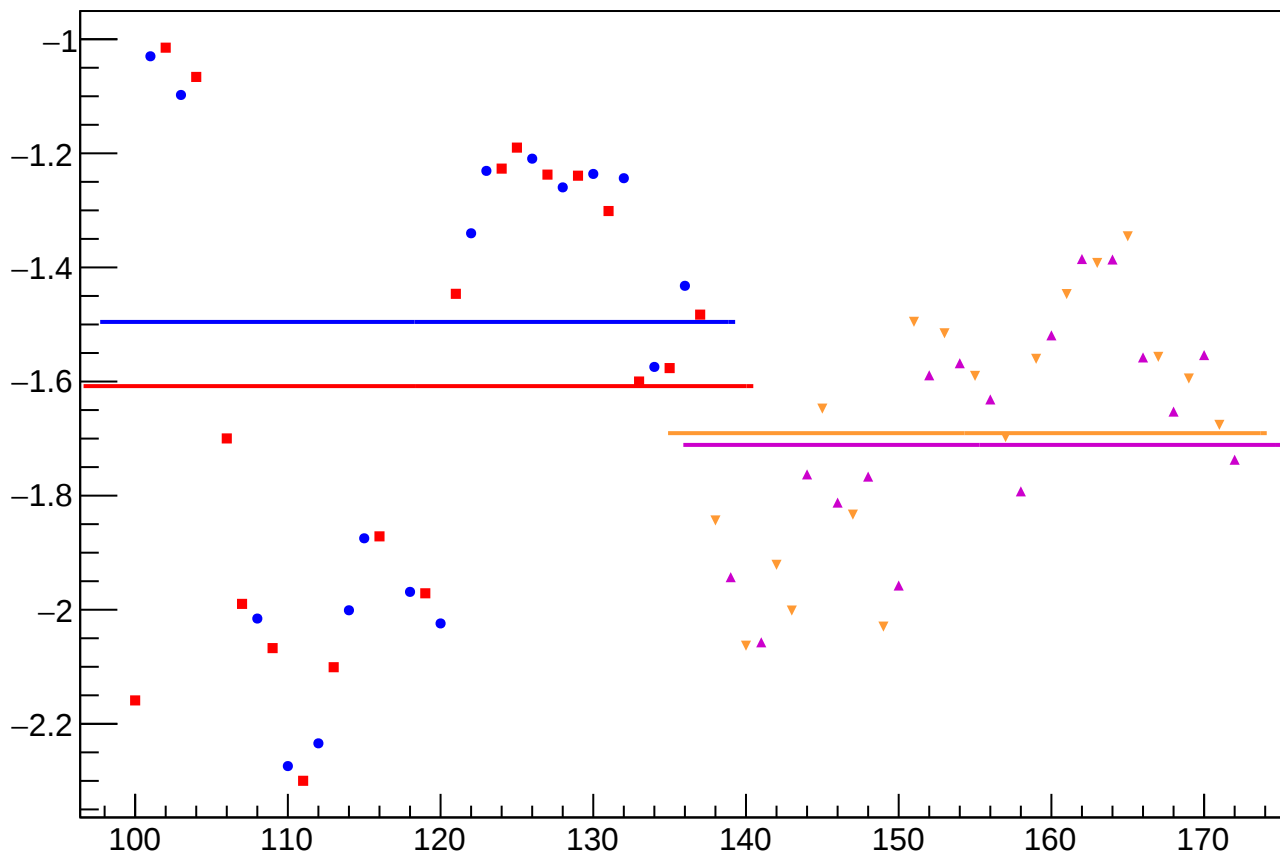
Right: 0.005+/-0.000 χ^2/NDF : 432242.2/35

In: 0.005+/-0.000 χ^2/NDF : 719461.1/33

Out: 0.005+/-0.000 χ^2/NDF : 735014.5/36

All: 0.005+/-0.000 χ^2/NDF : 1455476.4/70

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -1.496+/-0.000 χ^2/NDF : 22506050663.3/16

Left Out: -1.690+/-0.000 χ^2/NDF : 15733082276.3/17

Right Out: -1.608+/-0.000 χ^2/NDF : 27852841950.3/18

Left In: -1.711+/-0.000 χ^2/NDF : 11430979715.4/16

Left: -1.701+/-0.000 χ^2/NDF : 27233315262.3/34

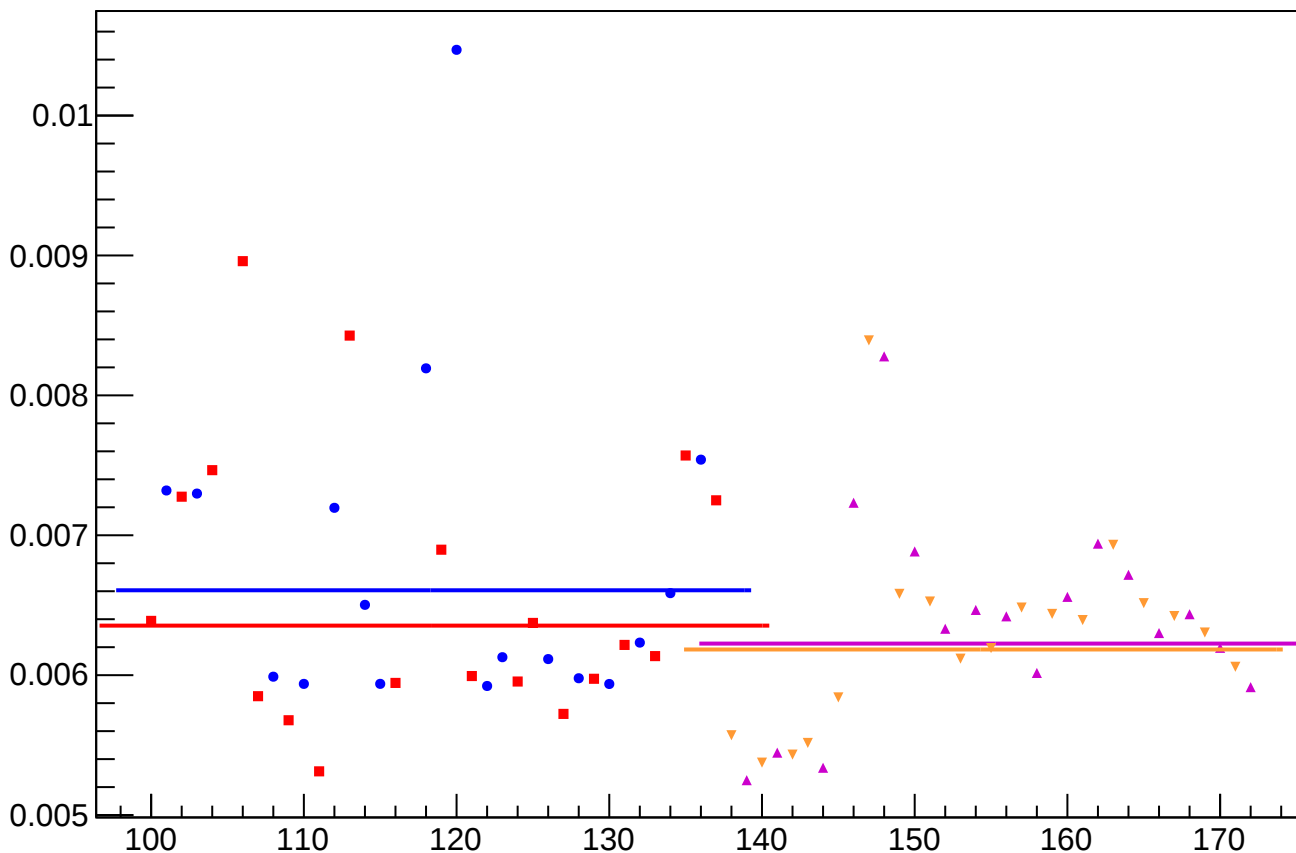
Right: -1.556+/-0.000 χ^2/NDF : 51308404748.0/35

In: -1.646+/-0.000 χ^2/NDF : 38439063391.1/33

Out: -1.663+/-0.000 χ^2/NDF : 44330477613.8/36

All: -1.655+/-0.000 χ^2/NDF : 82842170010.4/70

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.000 χ^2/NDF : 201323.2/16

Left Out: 0.006 $\pm$ 0.000 χ^2/NDF : 229624.5/17

Right Out: 0.006 $\pm$ 0.000 χ^2/NDF : 227287.9/18

Left In: 0.006 $\pm$ 0.000 χ^2/NDF : 295331.7/16

Left: 0.006 $\pm$ 0.000 χ^2/NDF : 525537.5/34

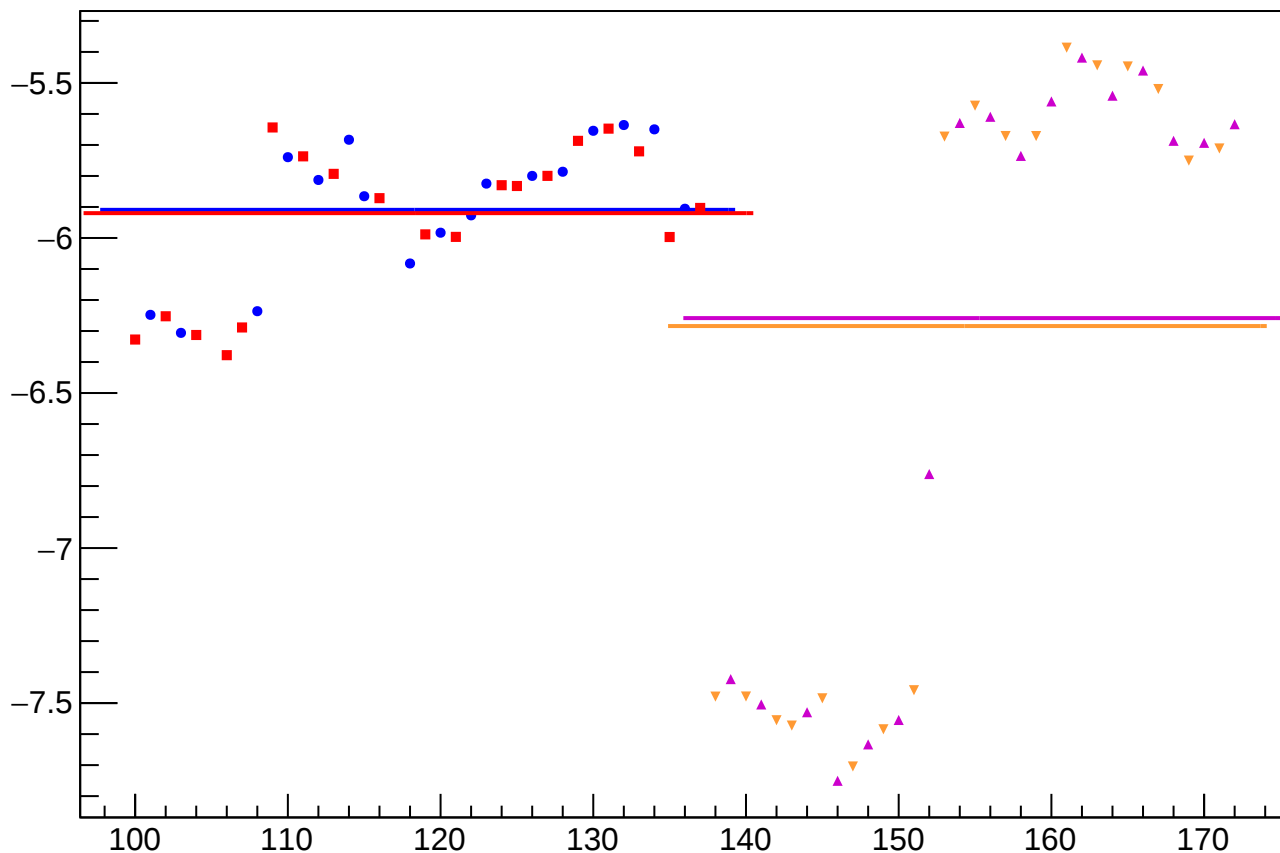
Right: 0.006 $\pm$ 0.000 χ^2/NDF : 438183.3/35

In: 0.006 $\pm$ 0.000 χ^2/NDF : 524788.2/33

Out: 0.006 $\pm$ 0.000 χ^2/NDF : 463287.3/36

All: 0.006 $\pm$ 0.000 χ^2/NDF : 992966.4/70

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.909 $\pm$ 0.000 χ^2 /NDF: 11125163629.1/16

Left Out: -6.284 $\pm$ 0.000 χ^2 /NDF: 167774366680.6/17

Right Out: -5.920 $\pm$ 0.000 χ^2 /NDF: 12785272526.6/18

Left In: -6.258 $\pm$ 0.000 χ^2 /NDF: 145772895815.6/16

Left: -6.271 $\pm$ 0.000 χ^2 /NDF: 313608960448.6/34

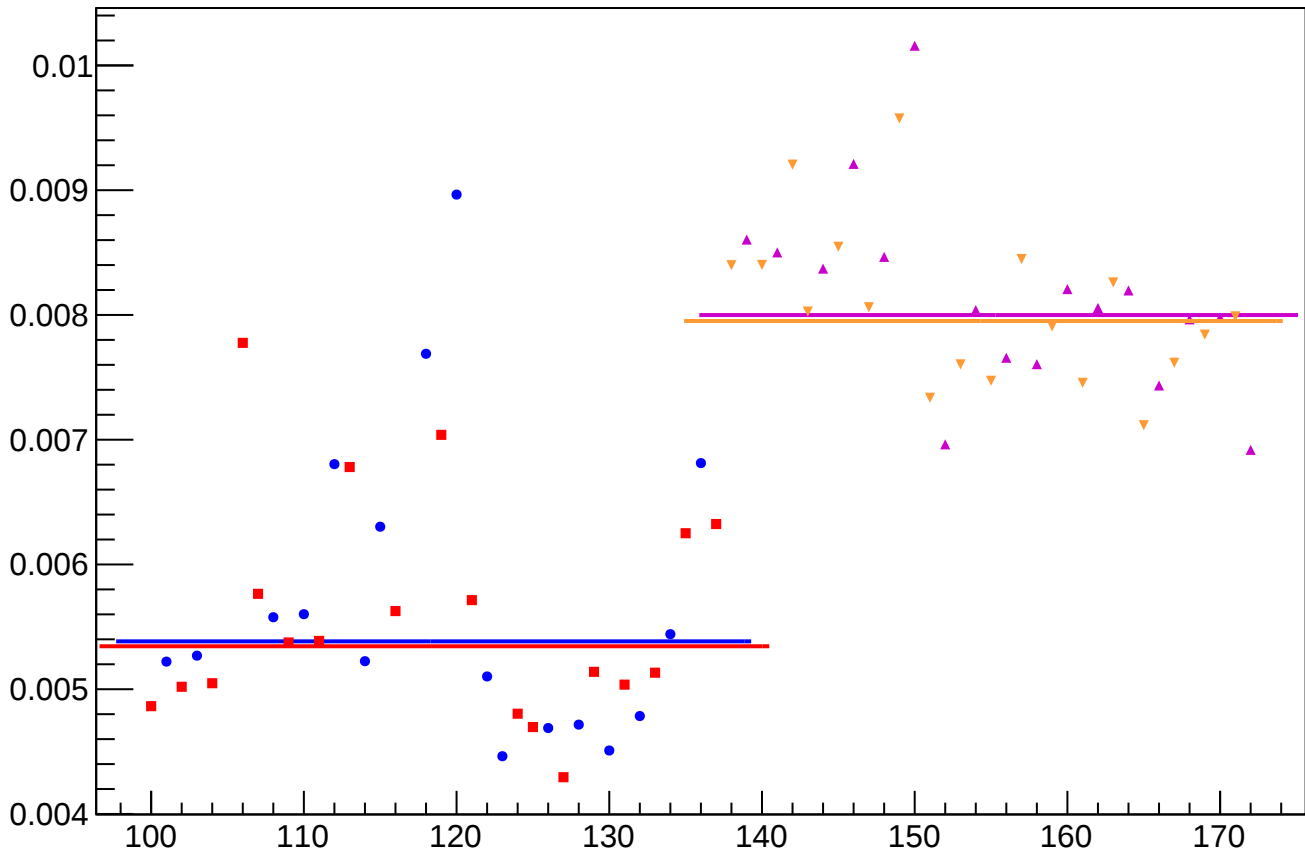
Right: -5.915 $\pm$ 0.000 χ^2 /NDF: 23922455242.5/35

In: -6.077 $\pm$ 0.000 χ^2 /NDF: 168710892596.3/33

Out: -6.087 $\pm$ 0.000 χ^2 /NDF: 194114472155.4/36

All: -6.082 $\pm$ 0.000 χ^2 /NDF: 362846617944.1

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF : 347627.8/16

Left Out: 0.008+/-0.000 χ^2/NDF :116162.5/17

Right Out: 0.005+/-0.000 χ^2/NDF : 244700.0/18

Left In: 0.008+/-0.000 χ^2/NDF :188699.3/16

Left: 0.008+/-0.000 χ^2/NDF : 305291.3/34

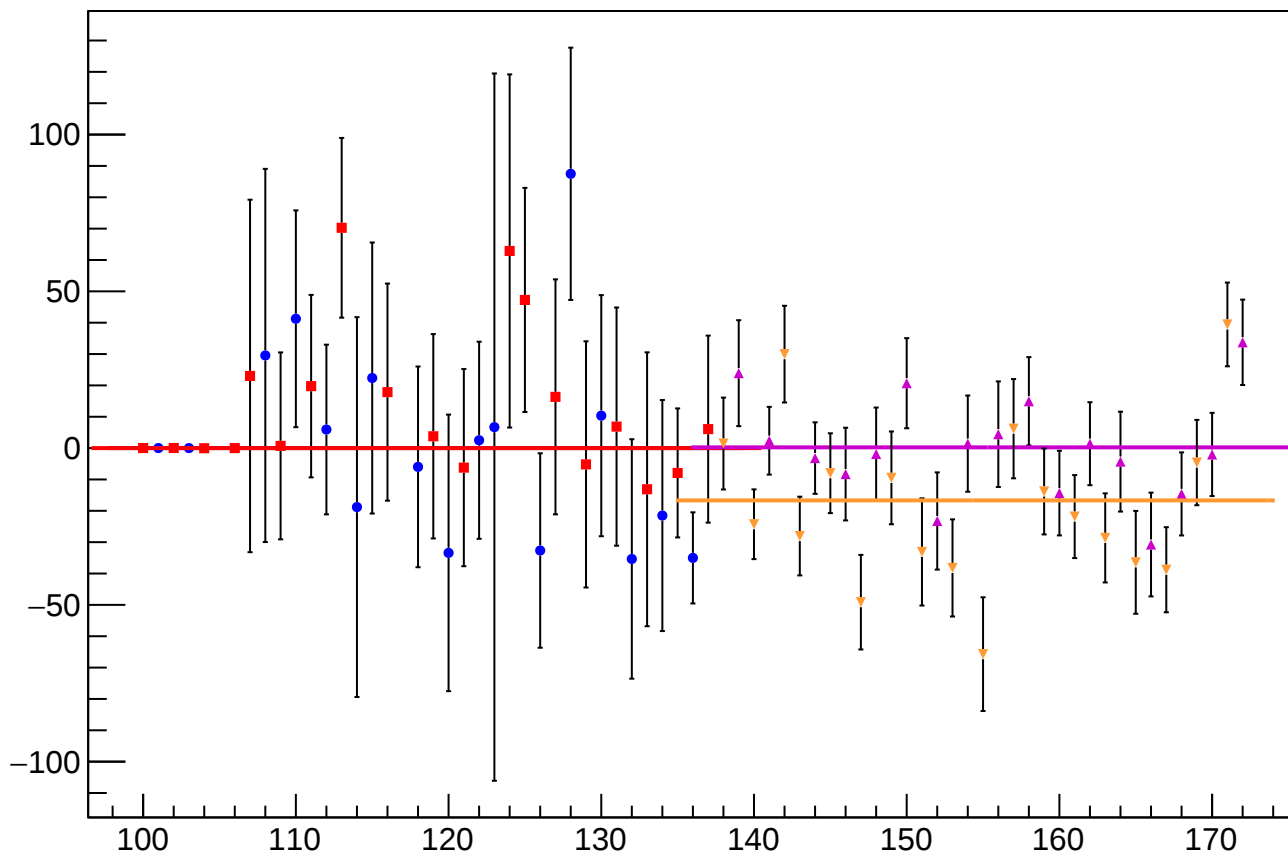
Right: 0.005+/-0.000 χ^2/NDF : 592657.5/35

In: 0.007+/-0.000 χ^2/NDF :1862267.5/33

Out: 0.007+/-0.000 χ^2/NDF :1750493.0/36

All: 0.007+/-0.000 χ^2/NDF : 3616550.1/70

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 15.8/16$

Left Out: -16.678 ± 3.349 $\chi^2/\text{NDF}: 53.0/17$

Right Out: -0.003 ± 0.016 $\chi^2/\text{NDF}: 15.3/18$

Left In: 0.242 ± 3.405 $\chi^2/\text{NDF}: 20.0/16$

Left: -8.359 ± 2.387 $\chi^2/\text{NDF}: 85.6/34$

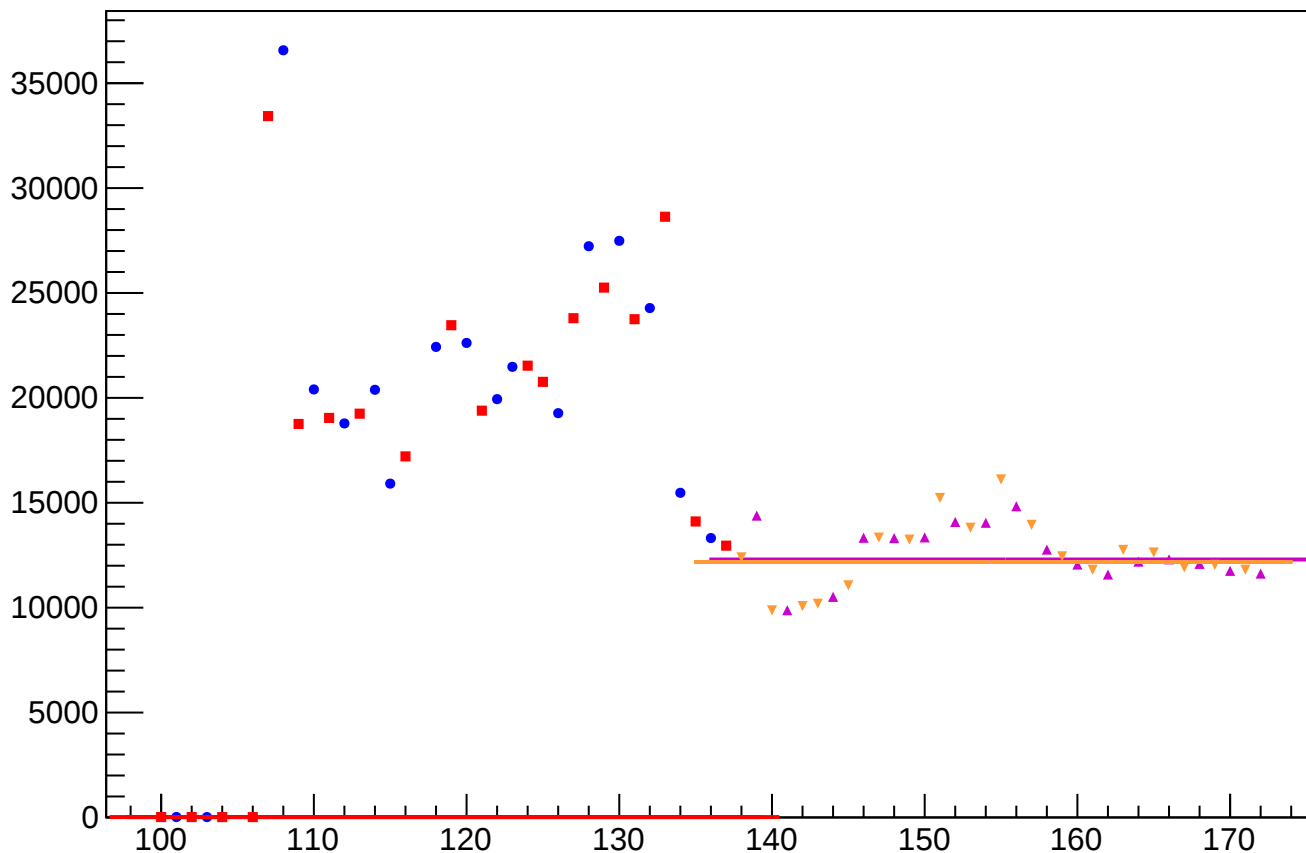
Right: 0.004 ± 0.012 $\chi^2/\text{NDF}: 31.6/35$

In: 0.013 ± 0.017 $\chi^2/\text{NDF}: 35.8/33$

Out: -0.004 ± 0.016 $\chi^2/\text{NDF}: 93.1/36$

All: 0.004 ± 0.012 $\chi^2/\text{NDF}: 129.4/70$

diff_cav4bX_rms vs Slug, Sign Corrected



Right In: 18.641+/-0.012 χ^2/NDF : 10841561.4/16

Left Out: 12176.761+/-2.368 χ^2/NDF :426053.1/17

Right Out: 18.311 $\pm$ 0.011 χ^2 /NDF: 11103320.8/18

Left In: 12295.973+/-2.408 χ^2/NDF :325093.7/16

Left: 12235.377 ± 1.688 $\chi^2/\text{NDF}: 752393.1/34$

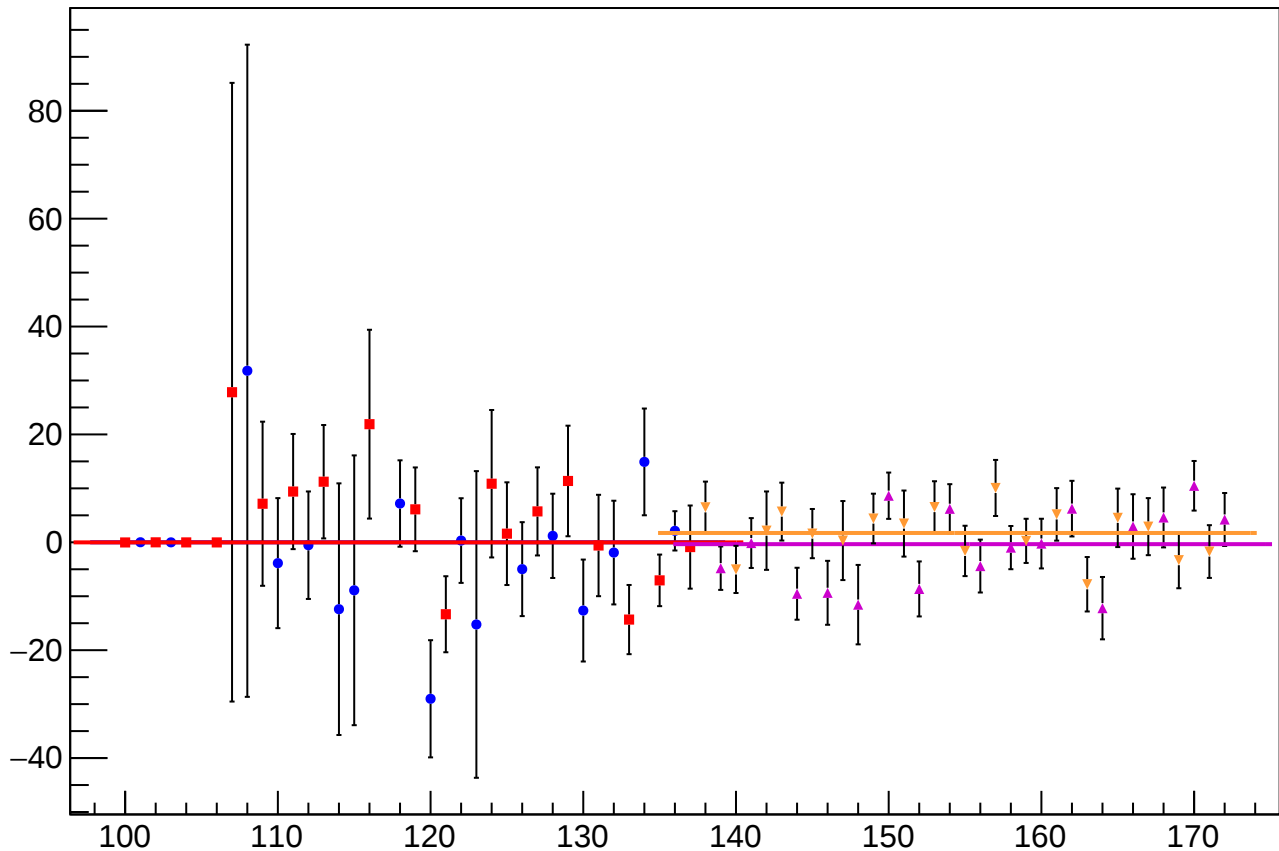
Right: 18.464+/-0.008 χ^2/NDF : 21945270.7/35

In: 18.959+/-0.012 χ^2/NDF :37171328.5/33

Out: 18.591+/-0.011 χ^2/NDF :37894484.1/36

All: 18.761+/-0.008 χ^2/NDF : 75066296.2/70

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.009 χ^2 /NDF: 14.9/16

Left Out: 1.731 $\pm$ 1.190 χ^2 /NDF:14.4/17

Right Out: -0.014 $\pm$ 0.009 χ^2 /NDF: 18.4/18

Left In: -0.344 $\pm$ 1.189 χ^2 /NDF:32.7/16

Left: 0.693 $\pm$ 0.841 χ^2 /NDF: 48.6/34

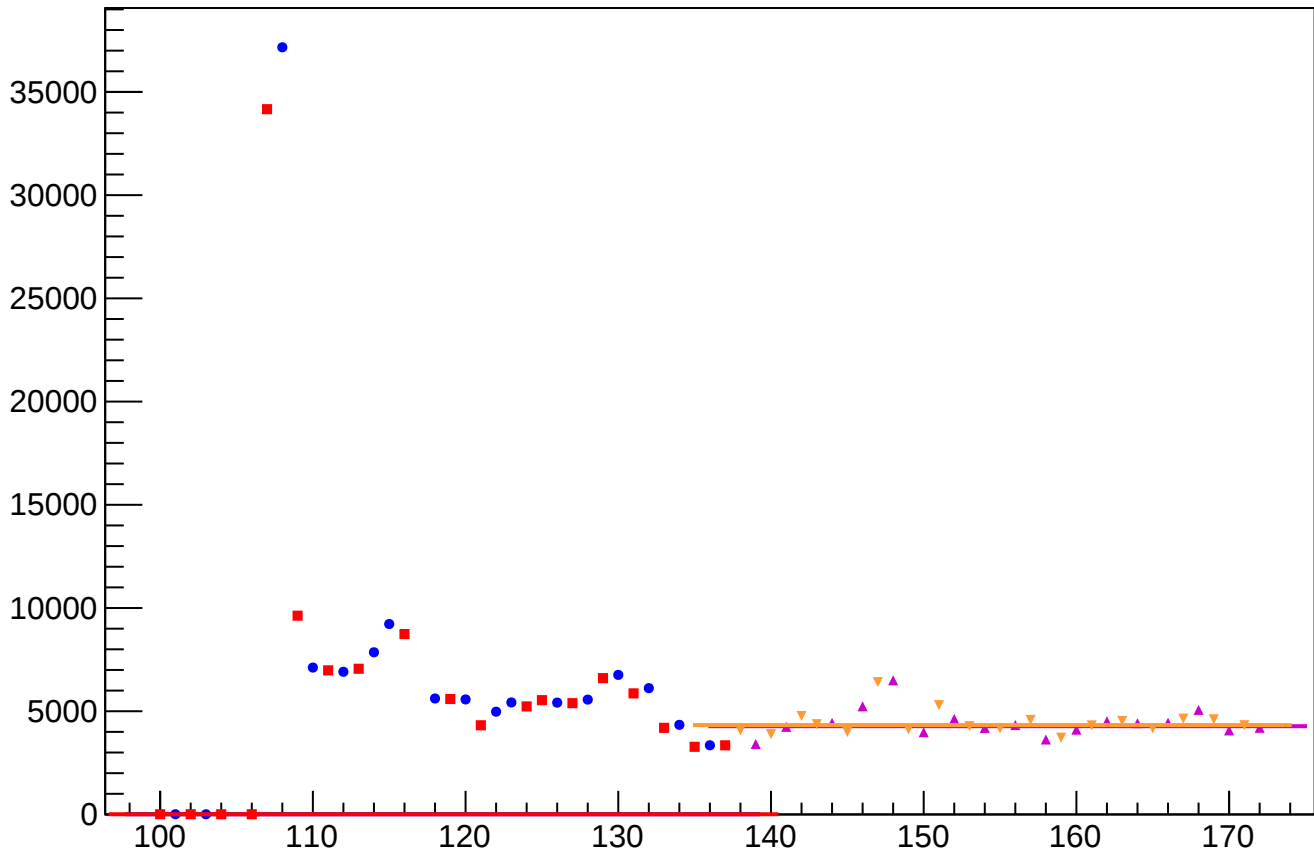
Right: -0.007 $\pm$ 0.006 χ^2 /NDF: 34.7/35

In: 0.001 $\pm$ 0.009 χ^2 /NDF:47.6/33

Out: -0.014 $\pm$ 0.009 χ^2 /NDF:35.0/36

All: -0.007 $\pm$ 0.006 χ^2 /NDF: 84.0/70

diff_cav4bY_rms vs Slug, Sign Corrected



Right In: 9.938 $\pm$ 0.007 χ^2 /NDF: 10973577.1/16

Left Out: 4329.015 $\pm$ 0.841 χ^2 /NDF:329378.6/17

Right Out: 9.854 $\pm$ 0.006 χ^2 /NDF: 11152667.7/18

Left In: 4275.594 $\pm$ 0.841 χ^2 /NDF:454778.1/16

Left: 4302.295 $\pm$ 0.595 χ^2 /NDF: 786174.0/34

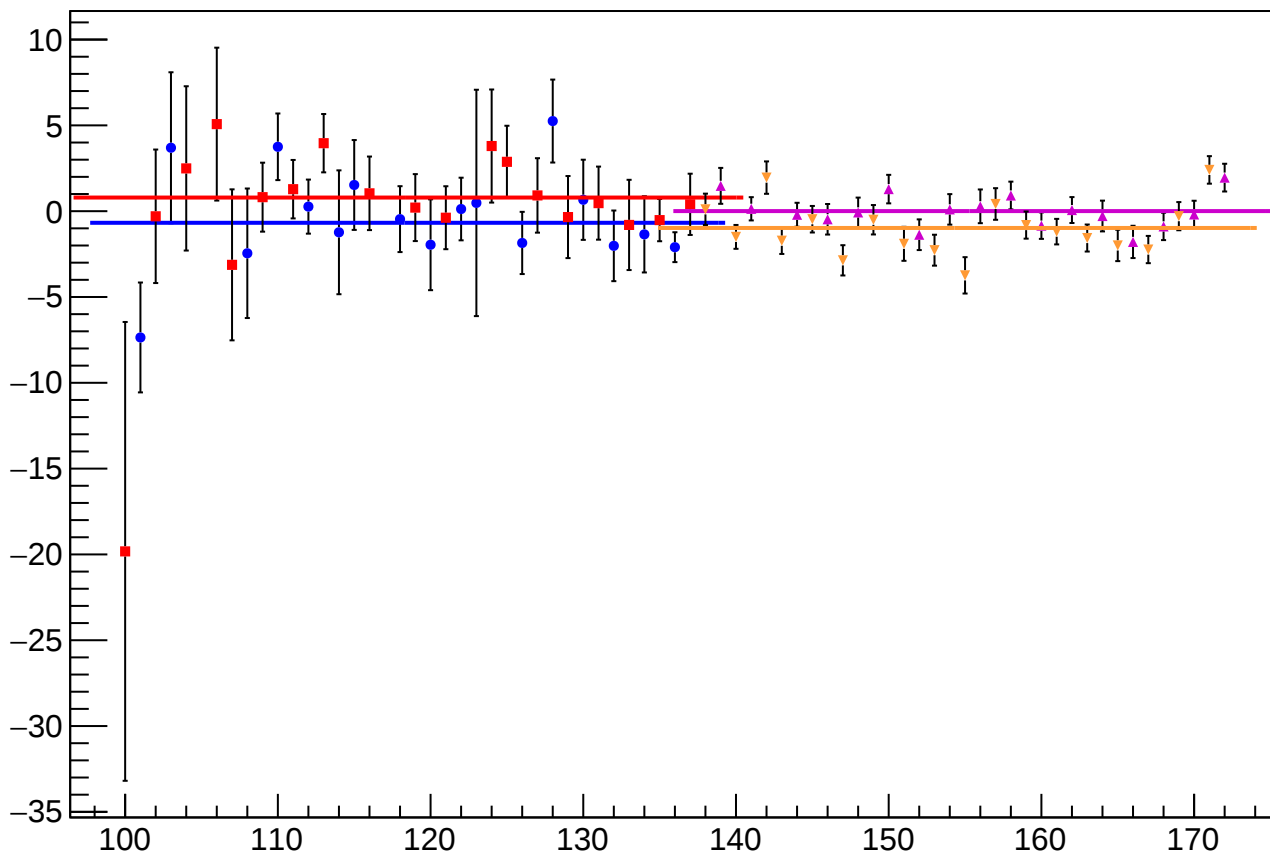
Right: 9.894 $\pm$ 0.004 χ^2 /NDF: 22126332.7/35

In: 10.193 $\pm$ 0.007 χ^2 /NDF:37160419.3/33

Out: 10.083 $\pm$ 0.006 χ^2 /NDF:37845146.2/36

All: 10.135 $\pm$ 0.004 χ^2 /NDF: 75005719.3/70

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -0.677 ± 0.484 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -0.978 ± 0.198 $\chi^2/\text{NDF}: 52.8/17$

Right Out: 0.795 ± 0.501 $\chi^2/\text{NDF}: 12.0/18$

Left In: 0.005 ± 0.201 $\chi^2/\text{NDF}: 20.6/16$

Left: -0.494 ± 0.141 $\chi^2/\text{NDF}: 85.6/34$

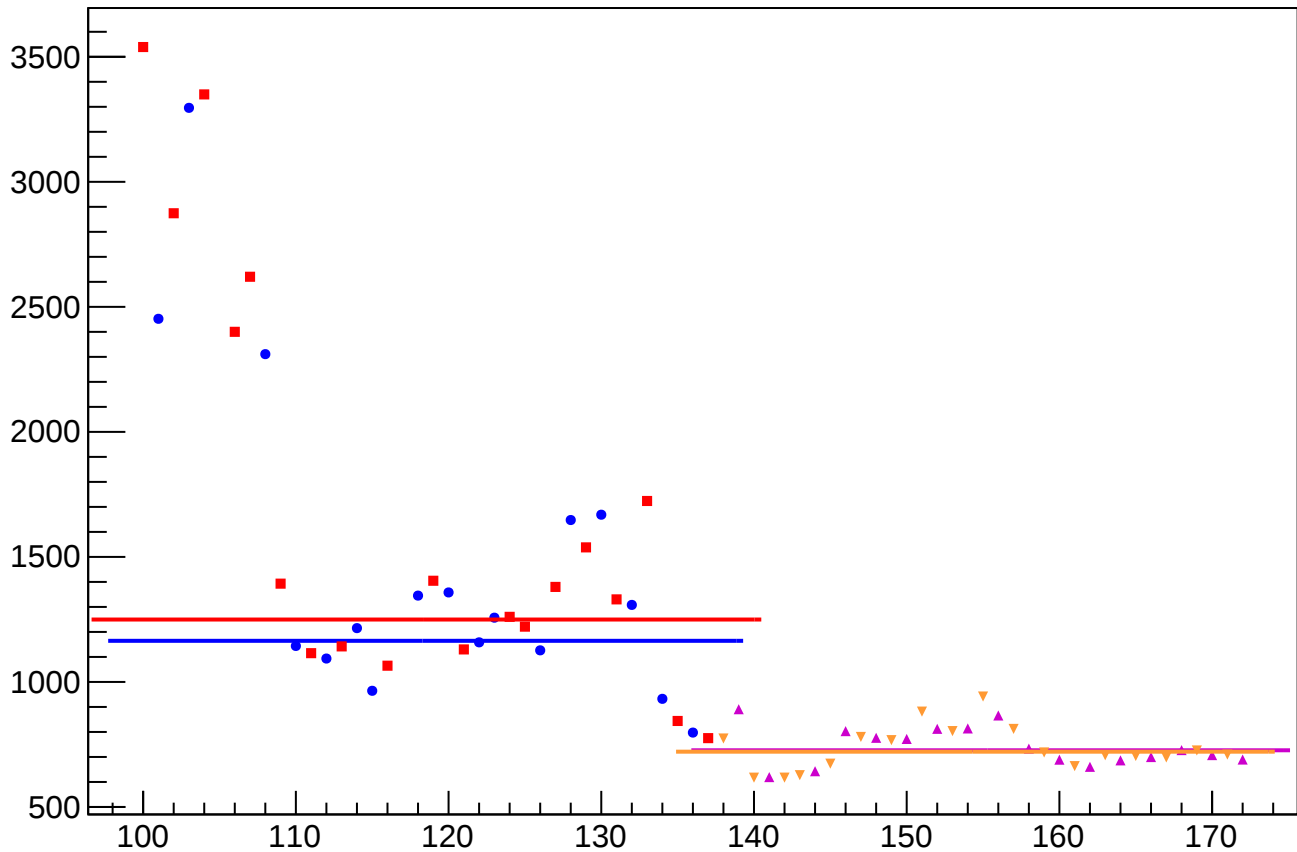
Right: 0.033 ± 0.348 $\chi^2/\text{NDF}: 38.7/35$

In: -0.095 ± 0.186 $\chi^2/\text{NDF}: 44.6/33$

Out: -0.739 ± 0.184 $\chi^2/\text{NDF}: 75.6/36$

All: -0.420 ± 0.131 $\chi^2/\text{NDF}: 126.3/70$

diff_cav4cX_rms vs Slug, Sign Corrected



Right In: 1164.459 $\pm$ 0.342 χ^2 /NDF: 1584212.9/16

Left Out: 721.147 $\pm$ 0.140 χ^2 /NDF: 318473.1/17

Right Out: 1249.596 $\pm$ 0.354 χ^2 /NDF: 1650133.1/18

Left In: 726.717 $\pm$ 0.142 χ^2 /NDF: 264893.9/16

Left: 723.889 $\pm$ 0.100 χ^2 /NDF: 584147.5/34

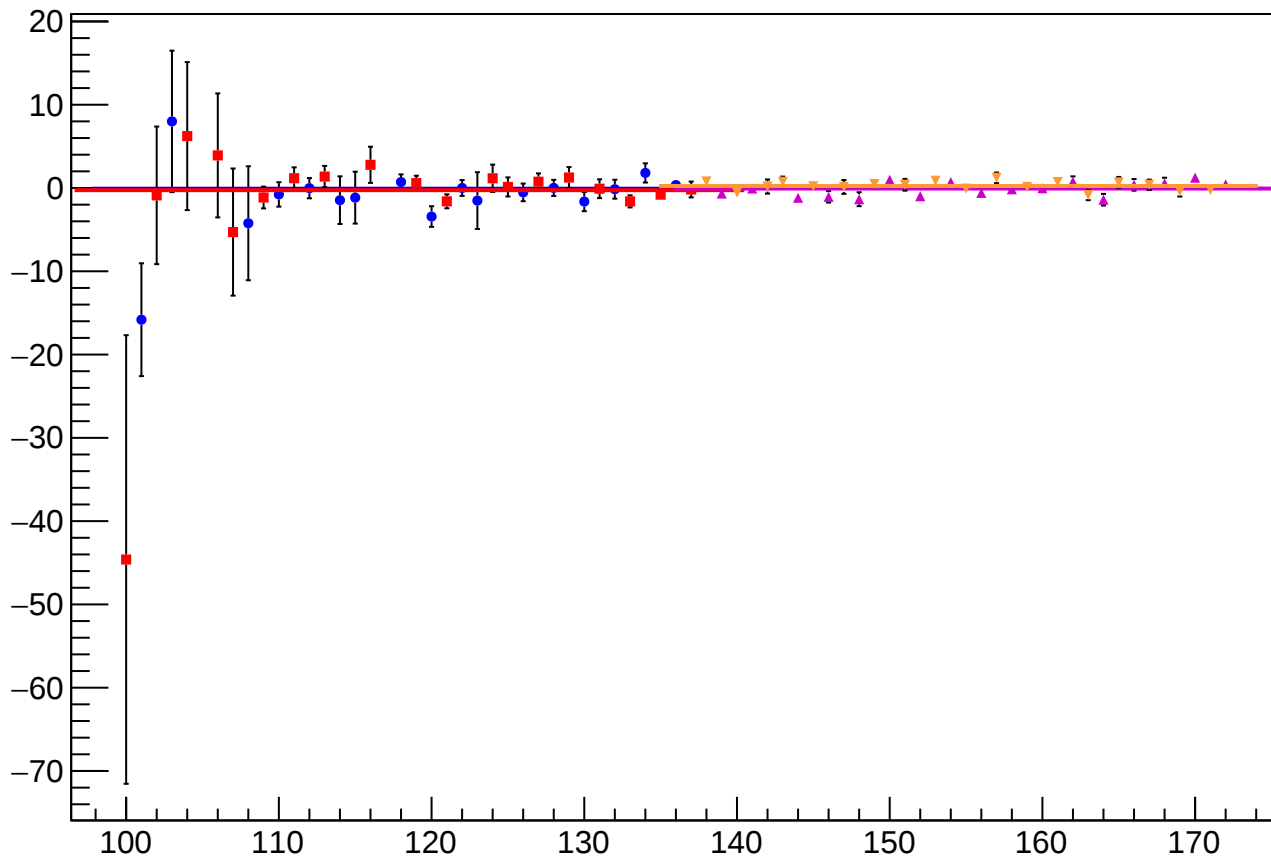
Right: 1205.546 $\pm$ 0.246 χ^2 /NDF: 3264193.7/35

In: 791.045 $\pm$ 0.131 χ^2 /NDF: 3243873.4/33

Out: 792.366 $\pm$ 0.130 χ^2 /NDF: 3891642.5/36

All: 791.711 $\pm$ 0.092 χ^2 /NDF: 7135567.0/70

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: -0.086 ± 0.270 χ^2/NDF : 21.1/16

Left Out: 0.248 ± 0.143 χ^2/NDF : 14.1/17

Right Out: -0.259 ± 0.264 χ^2/NDF : 20.4/18

Left In: -0.064 ± 0.143 χ^2/NDF : 32.2/16

Left: 0.093 ± 0.101 χ^2/NDF : 48.6/34

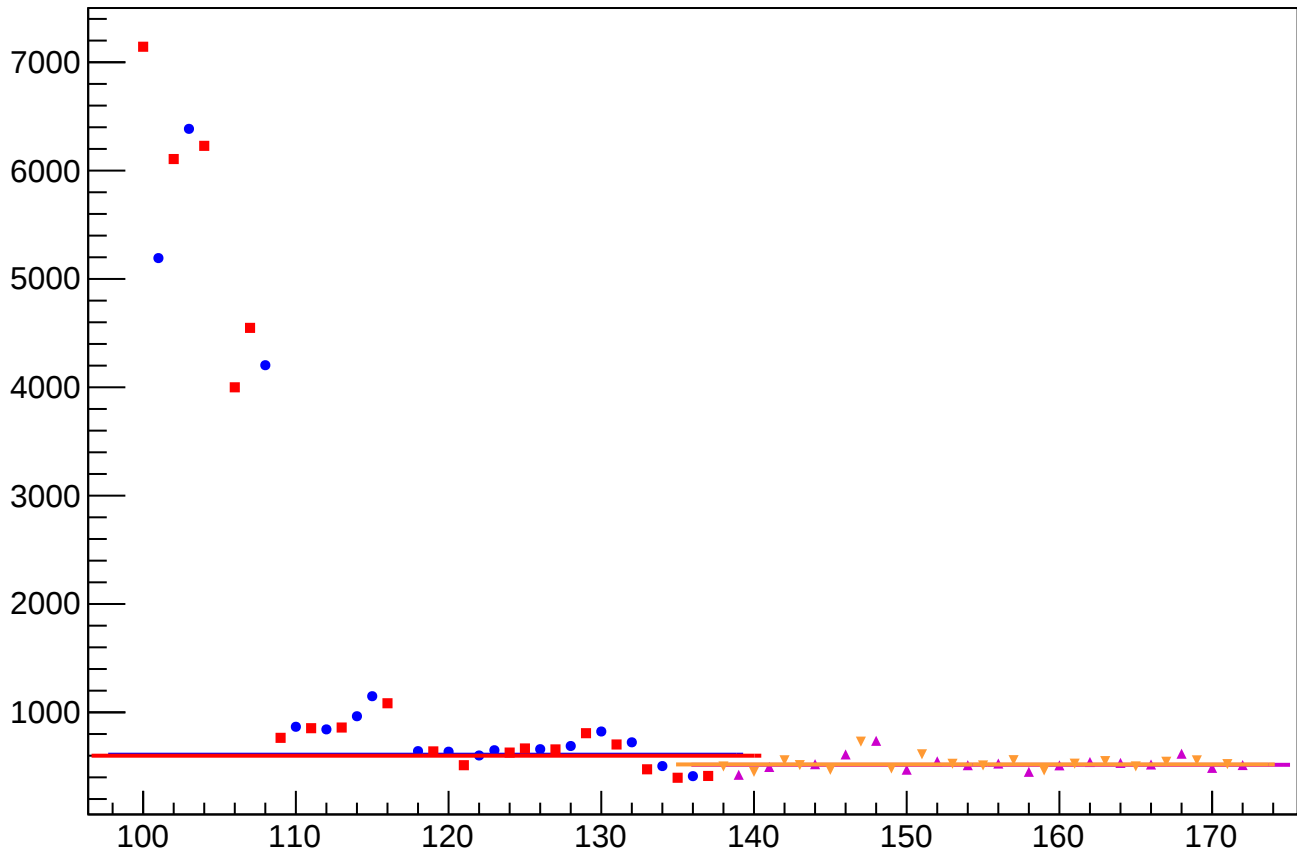
Right: -0.174 ± 0.189 χ^2/NDF : 41.7/35

In: -0.069 ± 0.126 χ^2/NDF : 53.2/33

Out: 0.134 ± 0.125 χ^2/NDF : 37.4/36

All: 0.033 ± 0.089 χ^2/NDF : 91.9/70

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 609.016 $\pm$ 0.191 χ^2 /NDF: 3139231.5/16

Left Out: 519.275 $\pm$ 0.101 χ^2 /NDF: 282185.9/17

Right Out: 599.910 $\pm$ 0.187 χ^2 /NDF: 3547599.8/18

Left In: 515.752 $\pm$ 0.101 χ^2 /NDF: 362406.1/16

Left: 517.521 $\pm$ 0.071 χ^2 /NDF: 645200.5/34

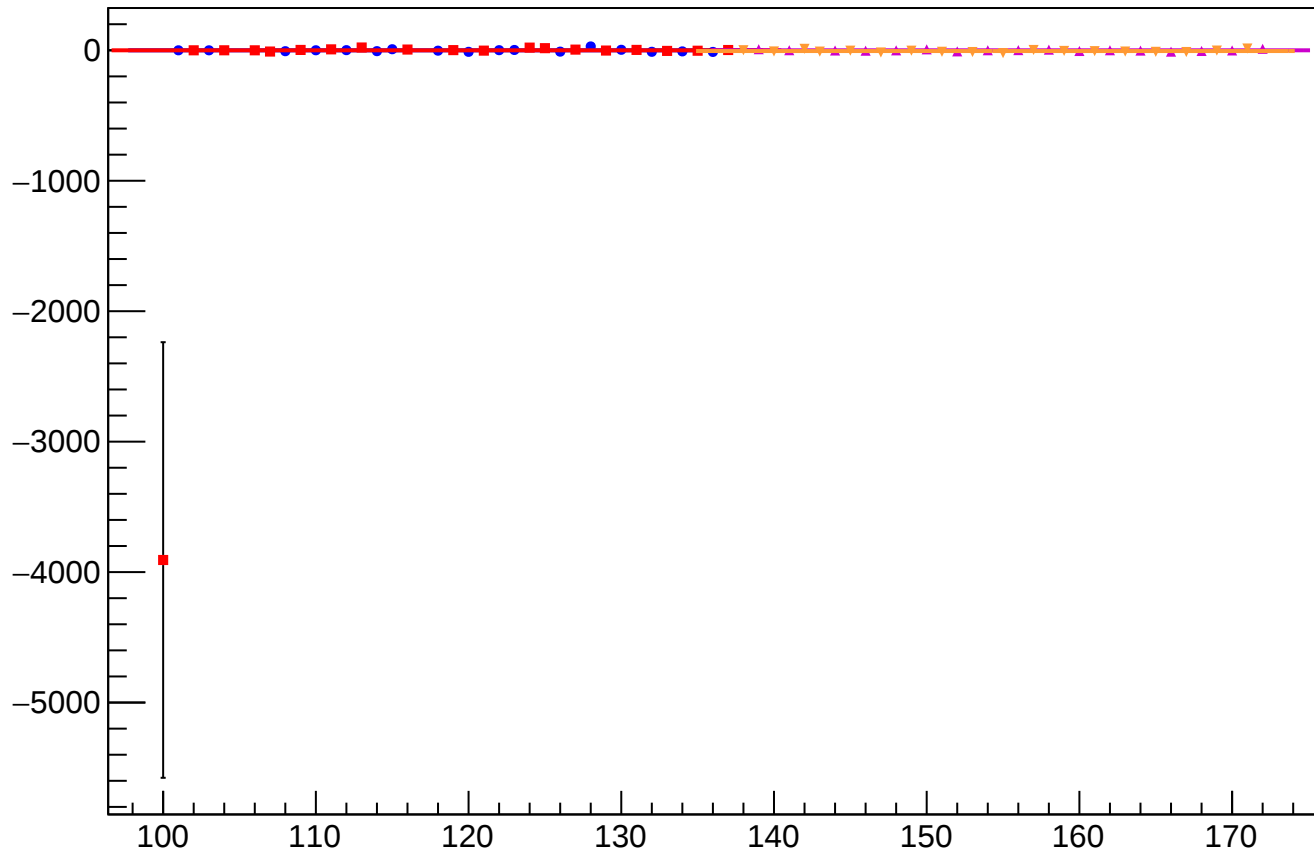
Right: 604.364 $\pm$ 0.134 χ^2 /NDF: 6687992.0/35

In: 536.197 $\pm$ 0.089 χ^2 /NDF: 3687747.6/33

Out: 537.433 $\pm$ 0.089 χ^2 /NDF: 3973984.8/36

All: 536.820 $\pm$ 0.063 χ^2 /NDF: 7661828.7/70

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.022 $\pm$ 0.021 χ^2/NDF : 15.3/16

Left Out: -5.643 $\pm$ 1.152 χ^2/NDF : 52.6/17

Right Out: 0.027 $\pm$ 0.020 χ^2/NDF : 17.3/18

Left In: 0.072 $\pm$ 1.171 χ^2/NDF : 20.7/16

Left: -2.831 $\pm$ 0.821 χ^2/NDF : 85.4/34

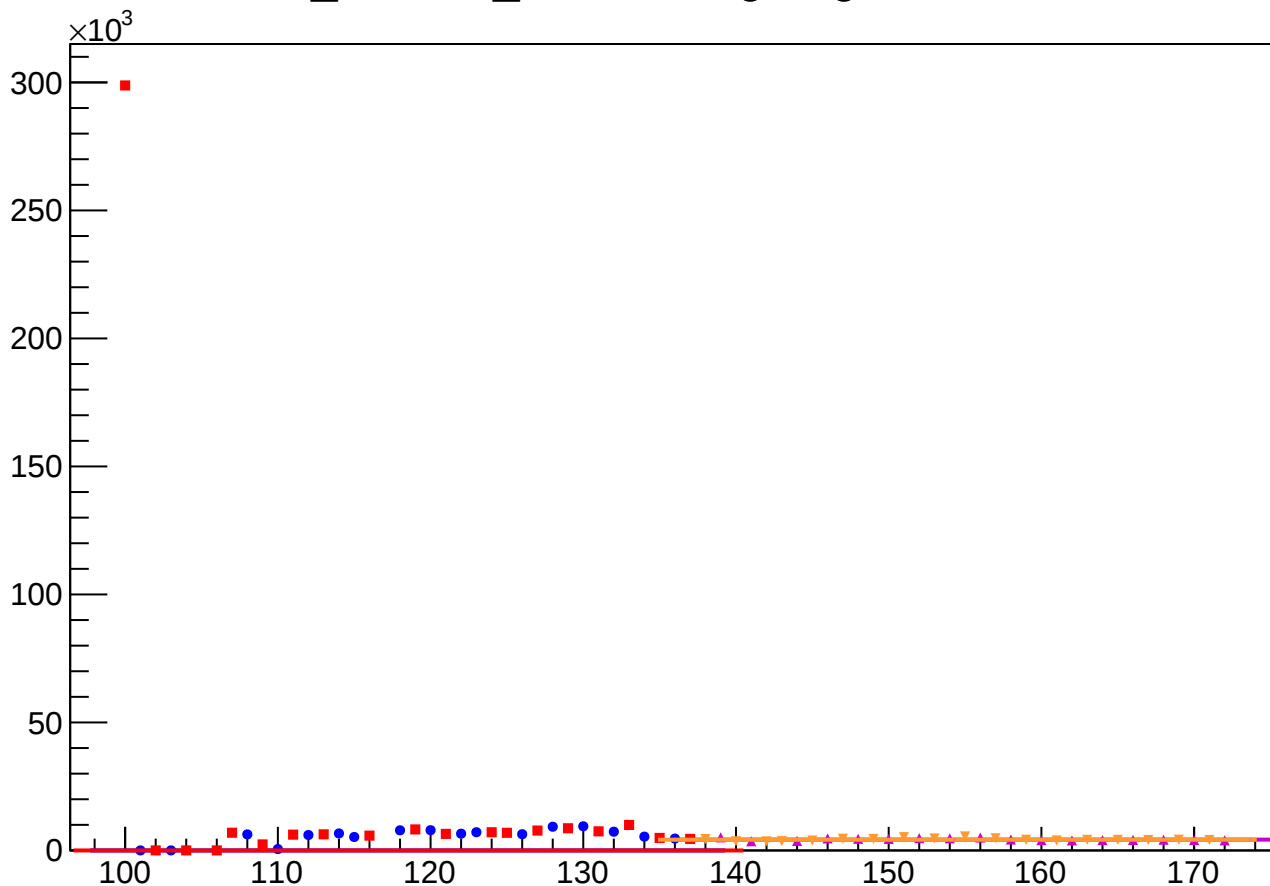
Right: 0.004 $\pm$ 0.014 χ^2/NDF : 35.4/35

In: -0.022 $\pm$ 0.021 χ^2/NDF : 36.0/33

Out: 0.025 $\pm$ 0.020 χ^2/NDF : 94.1/36

All: 0.003 $\pm$ 0.014 χ^2/NDF : 132.7/70

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 17.337 ± 0.015 $\chi^2/\text{NDF}: 10359409.4/16$

Left Out: 4197.492 ± 0.815 $\chi^2/\text{NDF}: 336670.8/17$

Right Out: 17.268 ± 0.014 $\chi^2/\text{NDF}: 10813350.8/18$

Left In: 4232.923 ± 0.828 $\chi^2/\text{NDF}: 273011.9/16$

Left: 4214.924 ± 0.581 $\chi^2/\text{NDF}: 610613.5/34$

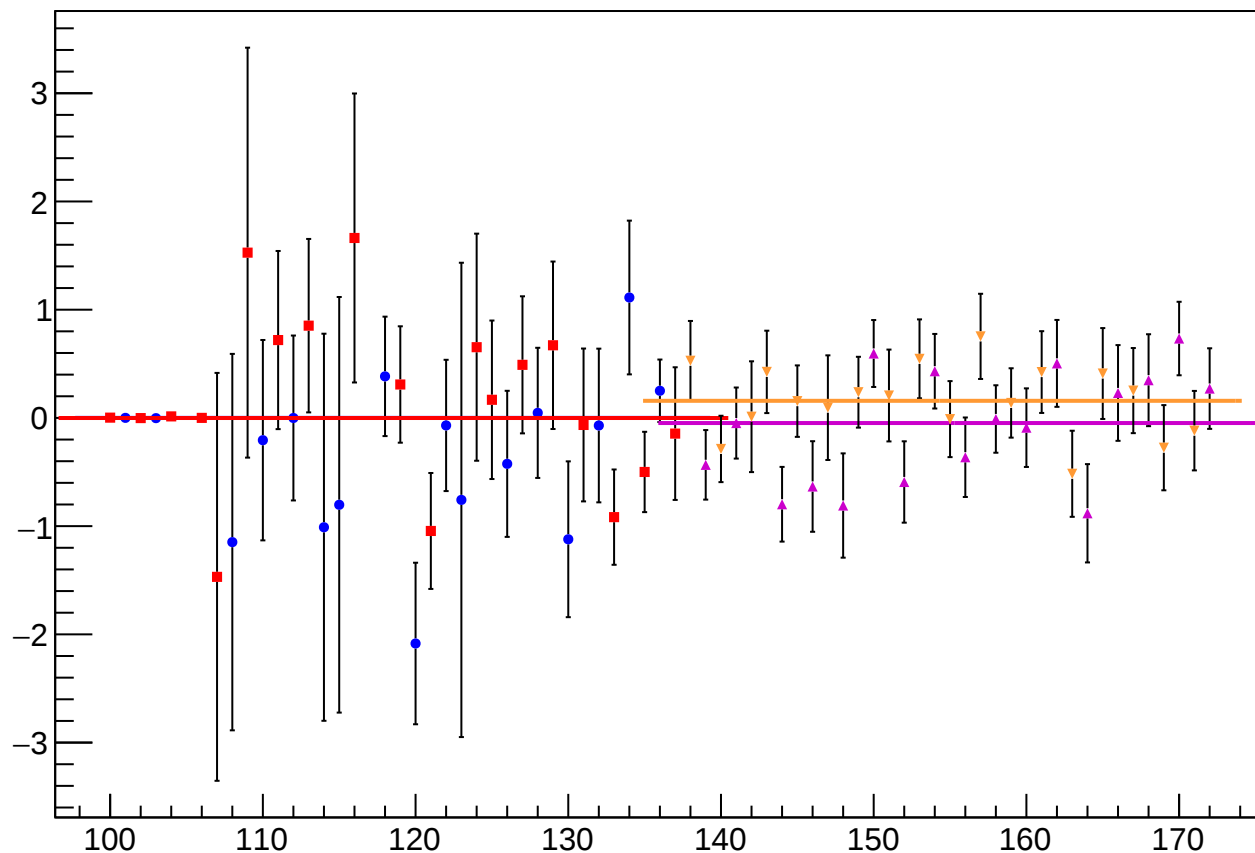
Right: 17.301 ± 0.010 $\chi^2/\text{NDF}: 21172771.7/35$

In: 18.667 ± 0.015 $\chi^2/\text{NDF}: 36560720.4/33$

Out: 18.500 ± 0.014 $\chi^2/\text{NDF}: 37476001.7/36$

All: 18.579 ± 0.010 $\chi^2/\text{NDF}: 74036789.8/70$

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: 0.000 ± 0.002 $\chi^2/\text{NDF}: 15.6/16$

Left Out: 0.158 ± 0.088 $\chi^2/\text{NDF}: 13.0/17$

Right Out: -0.001 ± 0.002 $\chi^2/\text{NDF}: 17.8/18$

Left In: -0.047 ± 0.089 $\chi^2/\text{NDF}: 32.3/16$

Left: 0.056 ± 0.063 $\chi^2/\text{NDF}: 48.0/34$

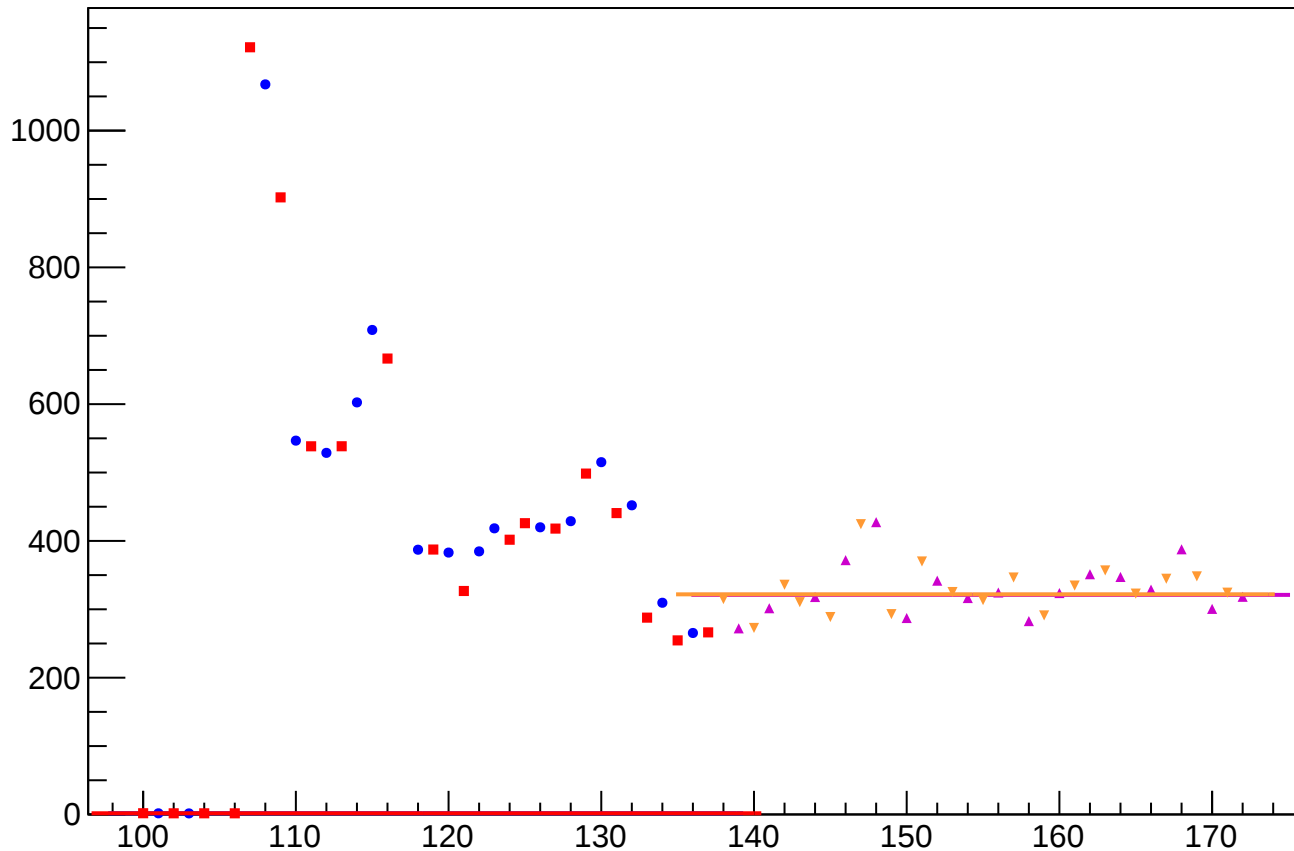
Right: -0.000 ± 0.001 $\chi^2/\text{NDF}: 33.6/35$

In: 0.000 ± 0.002 $\chi^2/\text{NDF}: 48.2/33$

Out: -0.001 ± 0.002 $\chi^2/\text{NDF}: 34.0/36$

All: -0.000 ± 0.001 $\chi^2/\text{NDF}: 82.4/70$

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 1.698+/-0.001 χ^2/NDF : 10911617.0/16

Left Out: 321.878+/-0.062 χ^2/NDF : 268125.6/17

Right Out: 1.728+/-0.001 χ^2/NDF : 10736674.8/18

Left In: 321.083+/-0.063 χ^2/NDF : 316706.8/16

Left: 321.484+/-0.044 χ^2/NDF : 584912.8/34

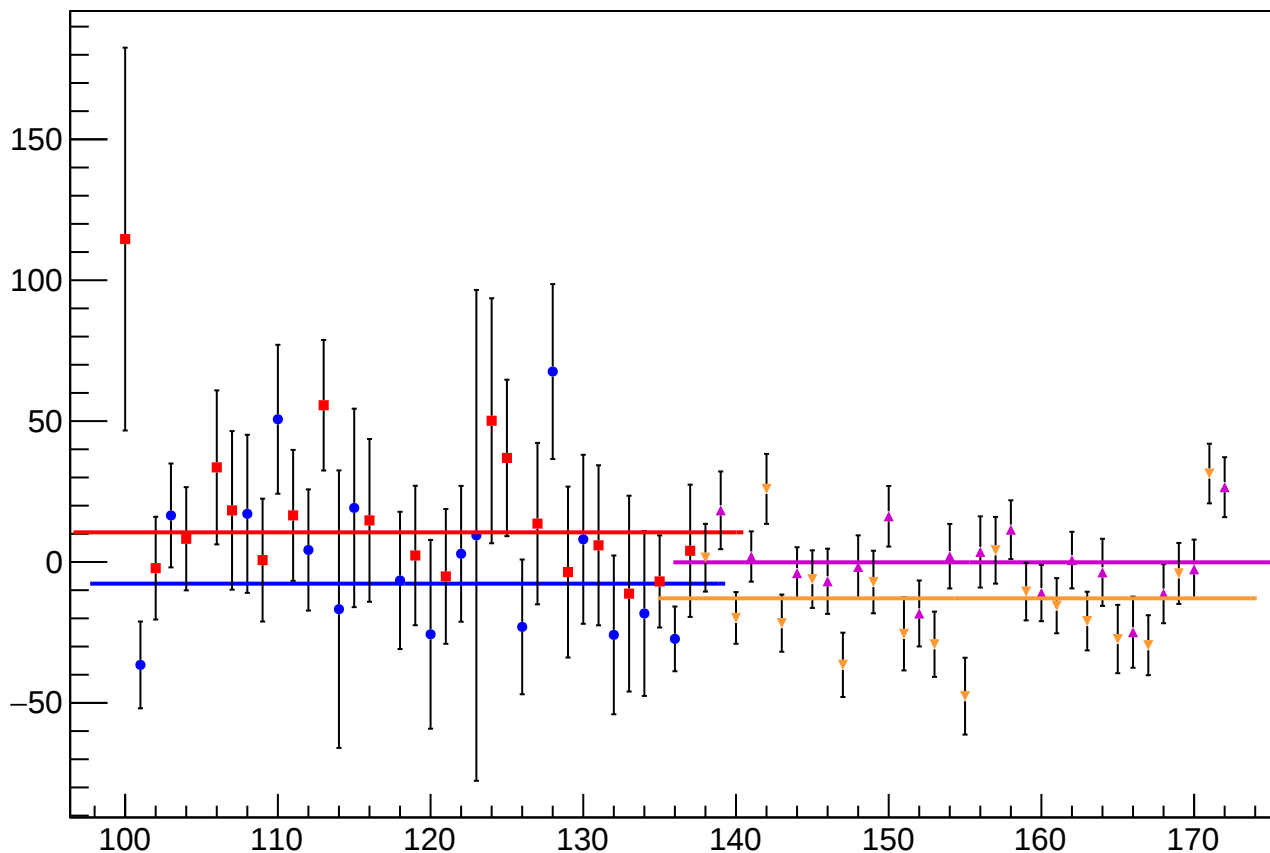
Right: 1.714+/-0.001 χ^2/NDF : 21648518.8/35

In: 1.864+/-0.001 χ^2/NDF : 36962649.1/33

Out: 1.883+/-0.001 χ^2/NDF : 37280699.7/36

All: 1.874+/-0.001 χ^2/NDF : 74243439.8/70

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -7.683 $\pm$ 5.627 χ^2/NDF : 22.4/16

Left Out: -12.889 $\pm$ 2.594 χ^2/NDF : 51.8/17

Right Out: 10.524 $\pm$ 5.682 χ^2/NDF : 11.9/18

Left In: -0.108 $\pm$ 2.632 χ^2/NDF : 21.0/16

Left: -6.591 $\pm$ 1.847 χ^2/NDF : 84.8/34

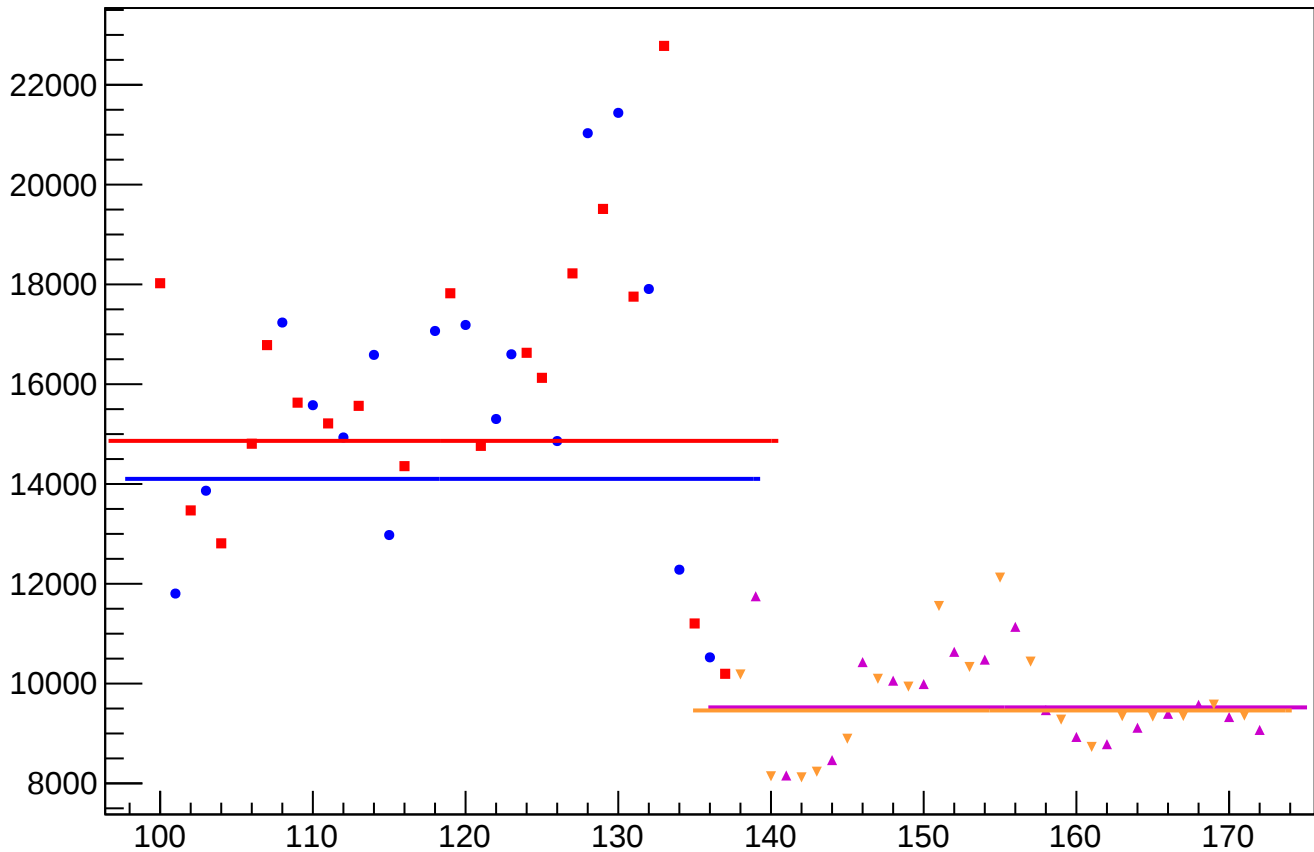
Right: 1.332 $\pm$ 3.998 χ^2/NDF : 39.4/35

In: -1.467 $\pm$ 2.384 χ^2/NDF : 44.9/33

Out: -8.851 $\pm$ 2.360 χ^2/NDF : 77.7/36

All: -5.197 $\pm$ 1.677 χ^2/NDF : 127.4/70

diff_bpm4aX_rms vs Slug, Sign Corrected



Right In: 14102.522 $\pm$ 3.979 χ^2/NDF : 598934.8/16

Left Out: 9461.404 $\pm$ 1.834 χ^2/NDF : 283357.9/17

Right Out: 14864.163 $\pm$ 4.018 χ^2/NDF : 470280.3/18

Left In: 9522.910 $\pm$ 1.861 χ^2/NDF : 235583.3/16

Left: 9491.712 $\pm$ 1.306 χ^2/NDF : 519495.4/34

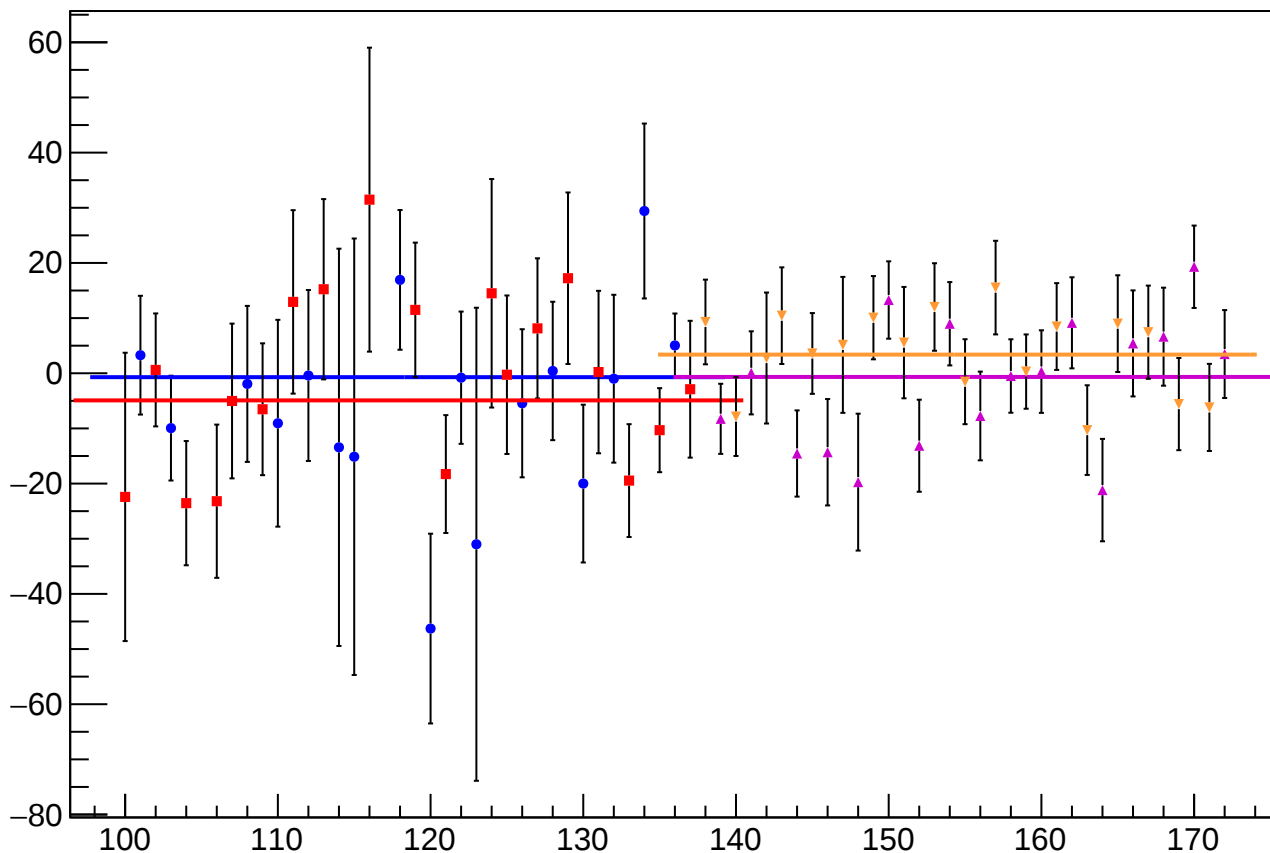
Right: 14479.636 $\pm$ 2.827 χ^2/NDF : 1087356.3/35

In: 10344.832 $\pm$ 1.686 χ^2/NDF : 1921427.5/33

Out: 10393.117 $\pm$ 1.669 χ^2/NDF : 2249924.5/36

All: 10369.221 $\pm$ 1.186 χ^2/NDF : 4171766.4/71

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: -0.708 ± 3.084 χ^2/NDF : 17.6/16

Left Out: 3.383 ± 1.937 χ^2/NDF : 14.9/17

Right Out: -4.918 ± 2.940 χ^2/NDF : 19.8/18

Left In: -0.667 ± 1.933 χ^2/NDF : 32.4/16

Left: 1.355 ± 1.368 χ^2/NDF : 49.5/34

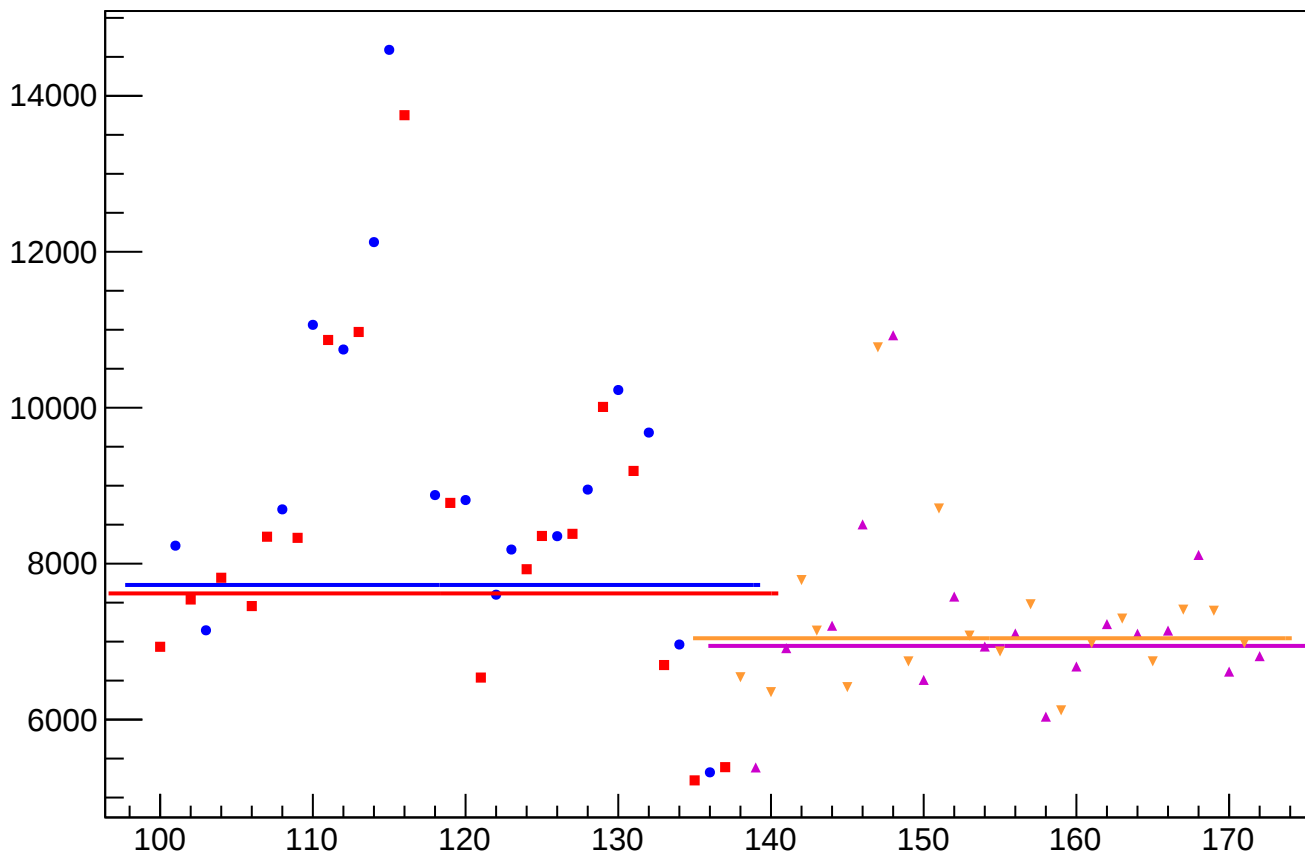
Right: -2.914 ± 2.128 χ^2/NDF : 38.3/35

In: -0.678 ± 1.638 χ^2/NDF : 49.9/33

Out: 0.870 ± 1.617 χ^2/NDF : 40.3/36

All: 0.106 ± 1.151 χ^2/NDF : 90.6/70

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 7726.745 $\pm$ 2.180 χ^2 /NDF: 742512.8/16

Left Out: 7043.233 $\pm$ 1.369 χ^2 /NDF:346606.0/17

Right Out: 7618.206 $\pm$ 2.079 χ^2 /NDF: 675125.4/18

Left In: 6945.091 $\pm$ 1.367 χ^2 /NDF:483223.7/16

Left: 6994.080 $\pm$ 0.967 χ^2 /NDF: 832402.2/34

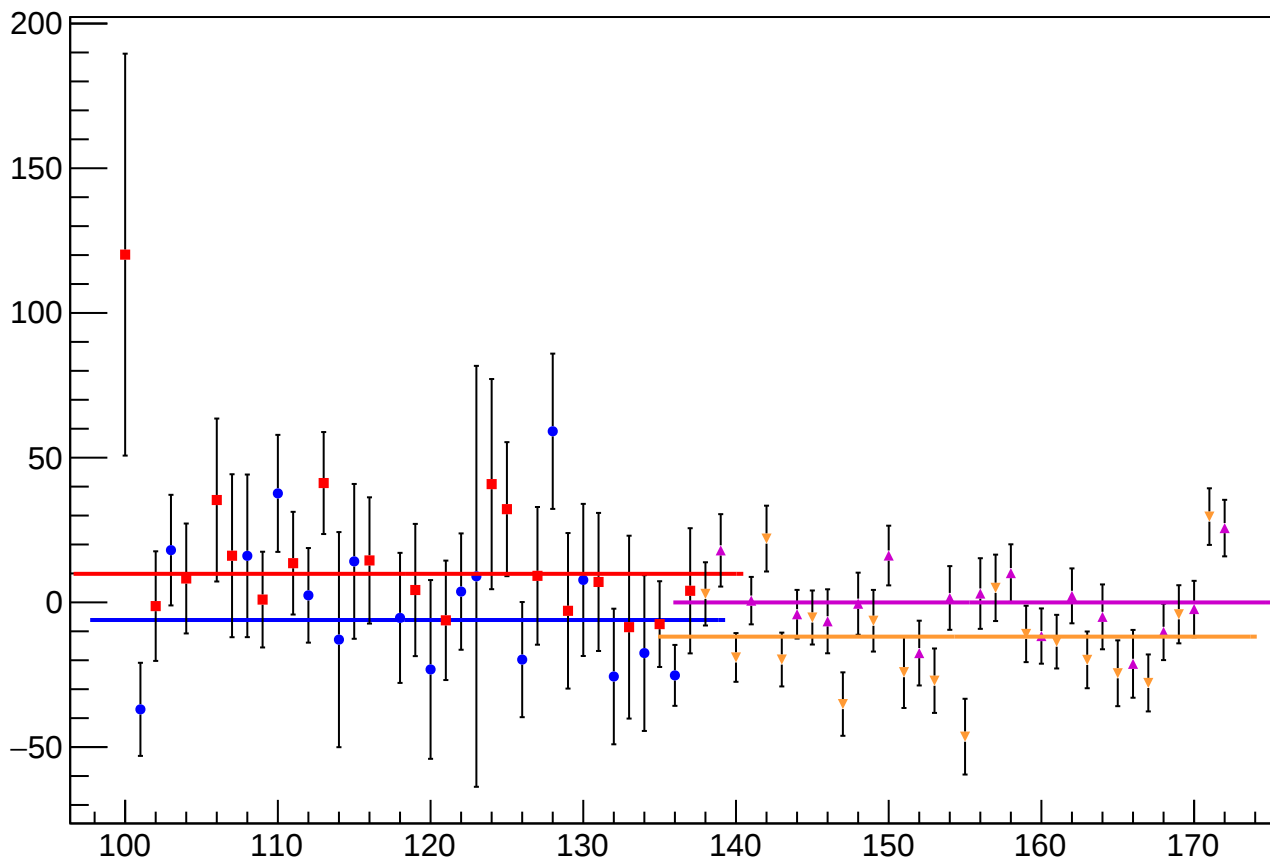
Right: 7669.883 $\pm$ 1.504 χ^2 /NDF: 1418936.4/35

In: 7165.664 $\pm$ 1.158 χ^2 /NDF:1317989.2/33

Out: 7217.254 $\pm$ 1.144 χ^2 /NDF:1075090.9/36

All: 7191.789 $\pm$ 0.814 χ^2 /NDF: 2394084.7/70

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -6.092 ± 5.034 $\chi^2/\text{NDF}: 22.9/16$

Left Out: -11.839 ± 2.429 $\chi^2/\text{NDF}: 52.6/17$

Right Out: 9.864 ± 5.004 $\chi^2/\text{NDF}: 11.6/18$

Left In: -0.022 ± 2.472 $\chi^2/\text{NDF}: 21.8/16$

Left: -6.034 ± 1.733 $\chi^2/\text{NDF}: 86.0/34$

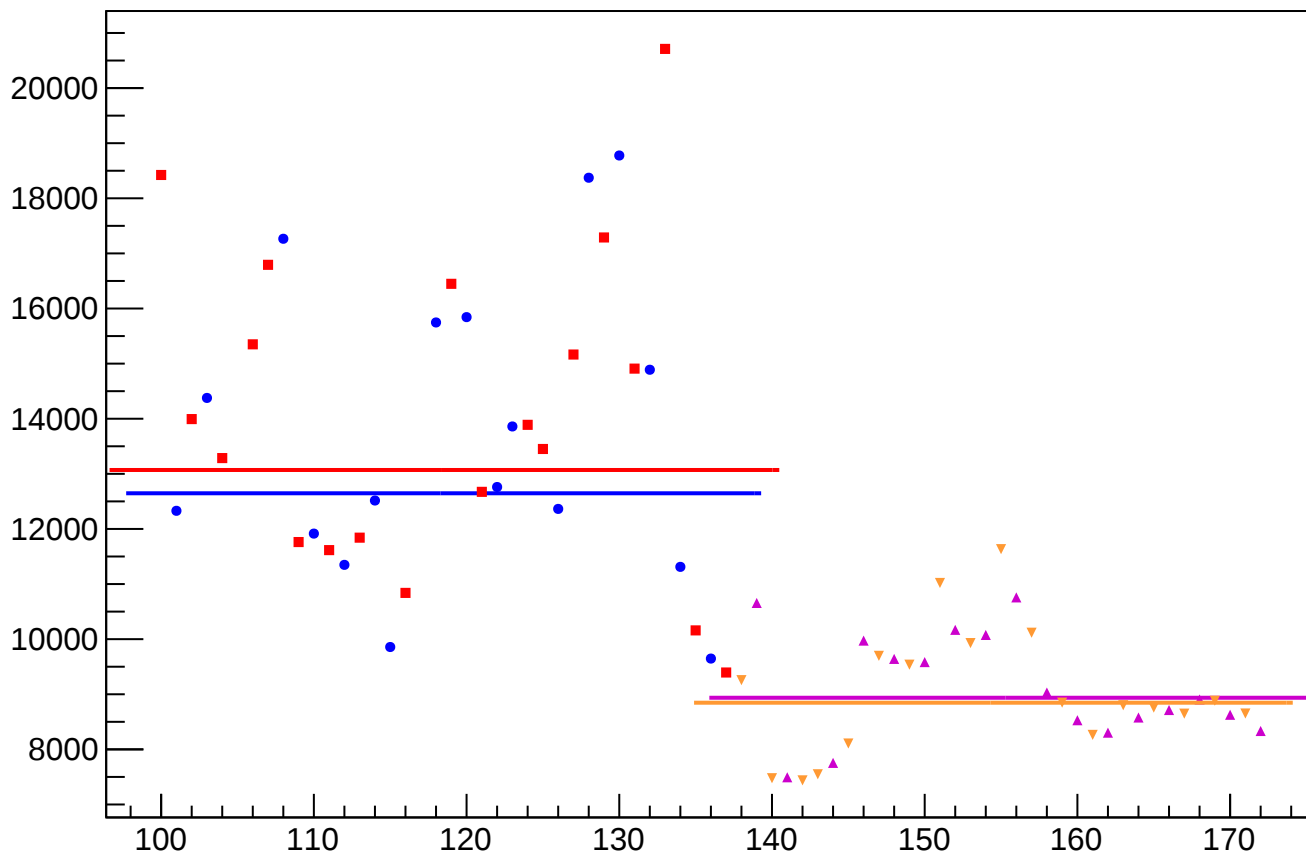
Right: 1.934 ± 3.549 $\chi^2/\text{NDF}: 39.6/35$

In: -1.201 ± 2.219 $\chi^2/\text{NDF}: 45.8/33$

Out: -7.699 ± 2.185 $\chi^2/\text{NDF}: 79.5/36$

All: -4.500 ± 1.557 $\chi^2/\text{NDF}: 129.6/70$

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 12647.257+/-3.559 χ^2/NDF : 554320.4/16

Left Out: 8846.872+/-1.718 χ^2/NDF : 363962.5/17

Right Out: 13069.930+/-3.538 χ^2/NDF : 496271.7/18

Left In: 8936.801+/-1.748 χ^2/NDF : 288950.8/16

Left: 8891.051+/-1.225 χ^2/NDF : 654259.7/34

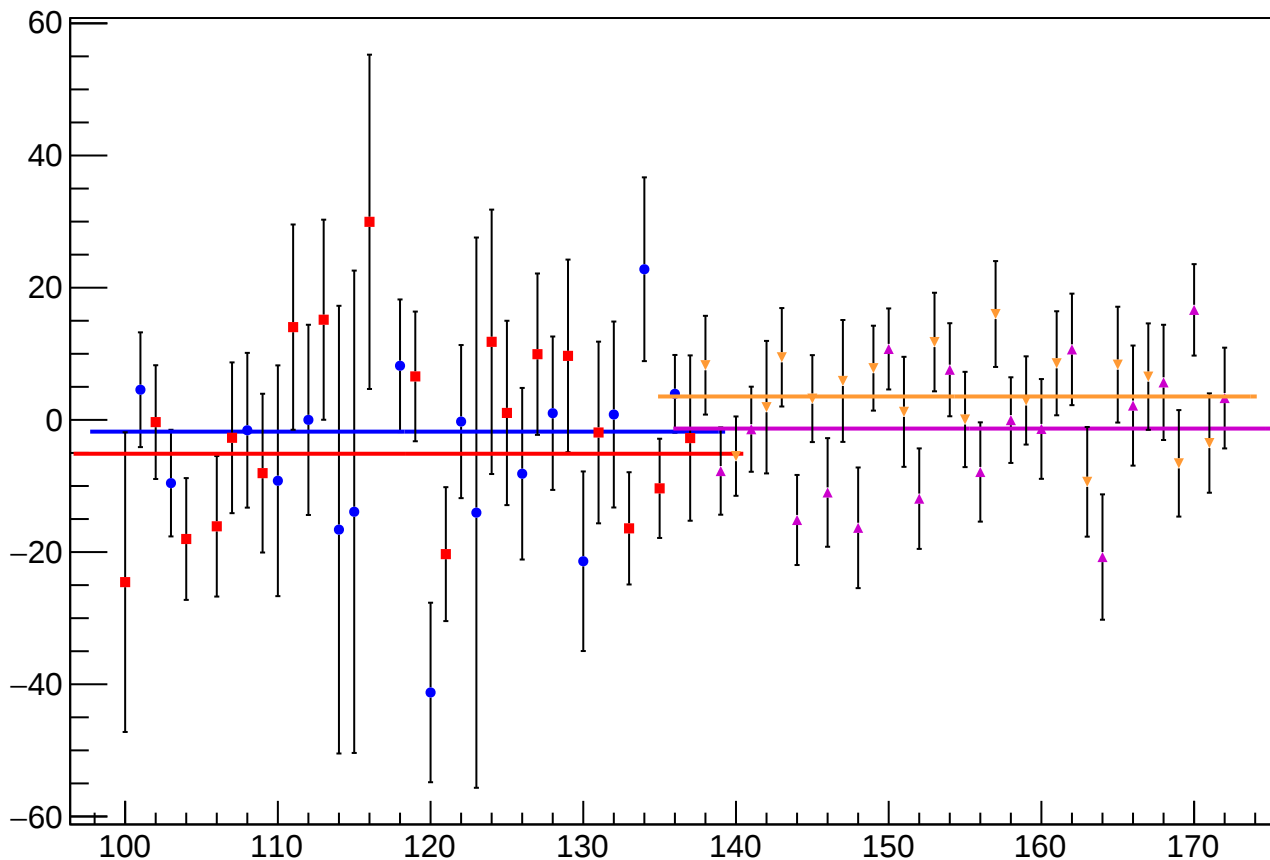
Right: 12859.864+/-2.509 χ^2/NDF : 1057685.3/35

In: 9657.864+/-1.569 χ^2/NDF : 1718792.9/33

Out: 9652.496+/-1.545 χ^2/NDF : 2013171.5/36

All: 9655.139+/-1.101 χ^2/NDF : 3731970.4/70

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: -1.777 $\pm$ 2.806 χ^2/NDF : 18.0/16

Left Out: 3.541 $\pm$ 1.783 χ^2/NDF :13.5/17

Right Out: -5.122 $\pm$ 2.642 χ^2/NDF : 18.9/18

Left In: -1.314 $\pm$ 1.804 χ^2/NDF :31.5/16

Left: 1.143 $\pm$ 1.268 χ^2/NDF : 48.7/34

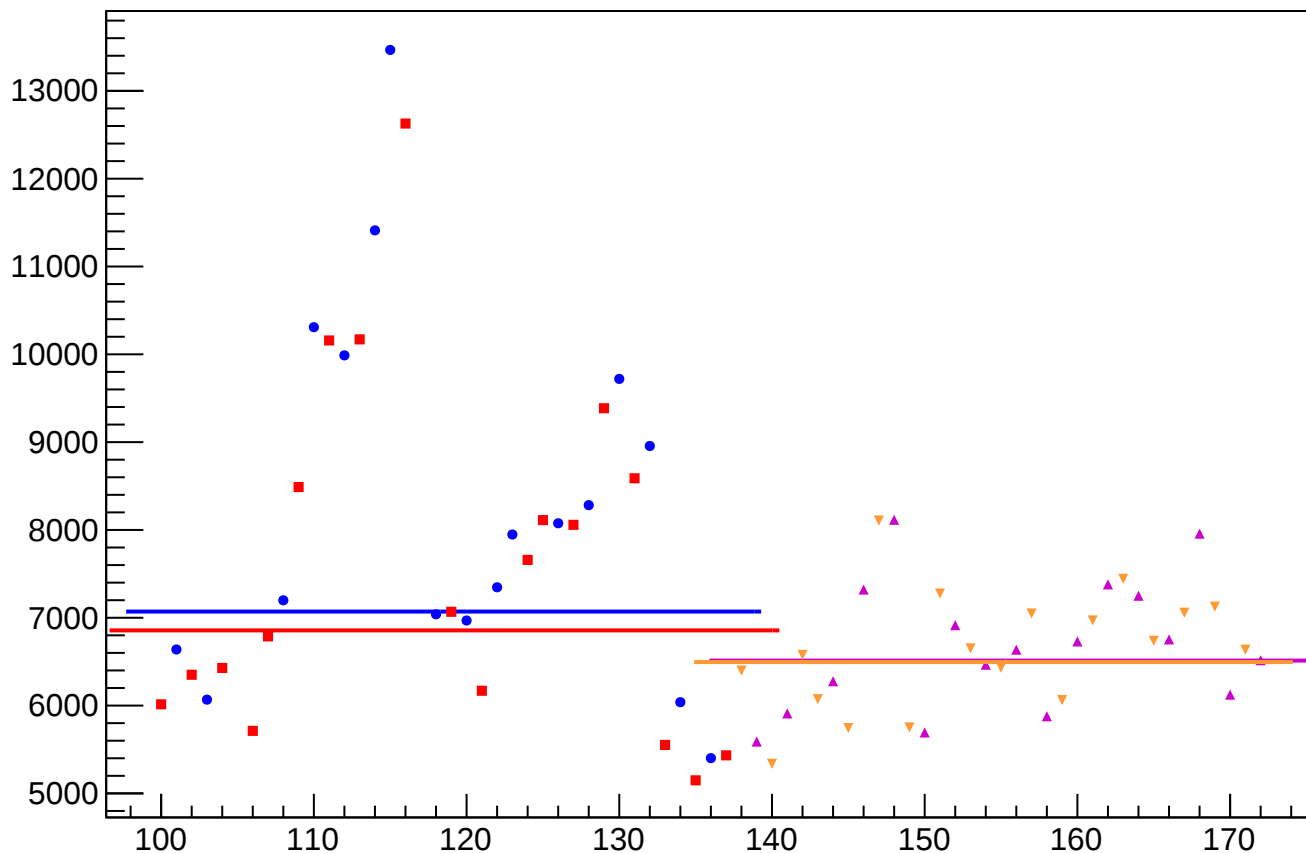
Right: -3.550 $\pm$ 1.923 χ^2/NDF : 37.6/35

In: -1.449 $\pm$ 1.518 χ^2/NDF :49.5/33

Out: 0.831 $\pm$ 1.478 χ^2/NDF :39.8/36

All: -0.279 $\pm$ 1.059 χ^2/NDF : 90.5/70

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 7070.672 $\pm$ 1.984 χ^2/NDF : 601692.5/16

Left Out: 6495.684 $\pm$ 1.261 χ^2/NDF : 289605.5/17

Right Out: 6856.136 $\pm$ 1.868 χ^2/NDF : 682220.3/18

Left In: 6512.585 $\pm$ 1.276 χ^2/NDF : 298657.5/16

Left: 6504.032 $\pm$ 0.897 χ^2/NDF : 588351.8/34

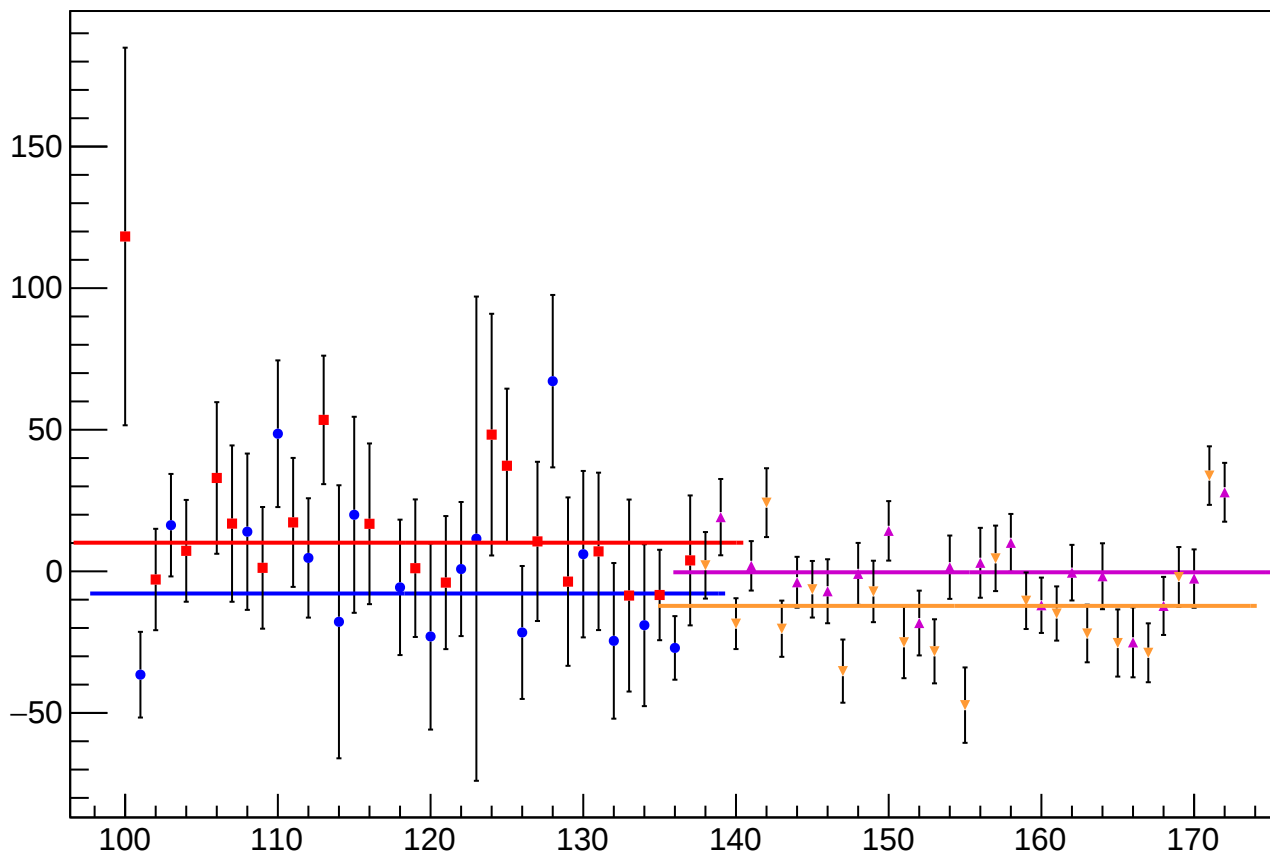
Right: 6956.947 $\pm$ 1.360 χ^2/NDF : 1290110.2/35

In: 6675.852 $\pm$ 1.073 χ^2/NDF : 956320.2/33

Out: 6608.456 $\pm$ 1.045 χ^2/NDF : 997408.4/36

All: 6641.254 $\pm$ 0.749 χ^2/NDF : 1955753.2/70

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -7.825 ± 5.516 $\chi^2/\text{NDF}: 22.3/16$

Left Out: -12.195 ± 2.536 $\chi^2/\text{NDF}: 54.1/17$

Right Out: 10.117 ± 5.571 $\chi^2/\text{NDF}: 12.2/18$

Left In: -0.331 ± 2.572 $\chi^2/\text{NDF}: 22.4/16$

Left: -6.349 ± 1.806 $\chi^2/\text{NDF}: 87.3/34$

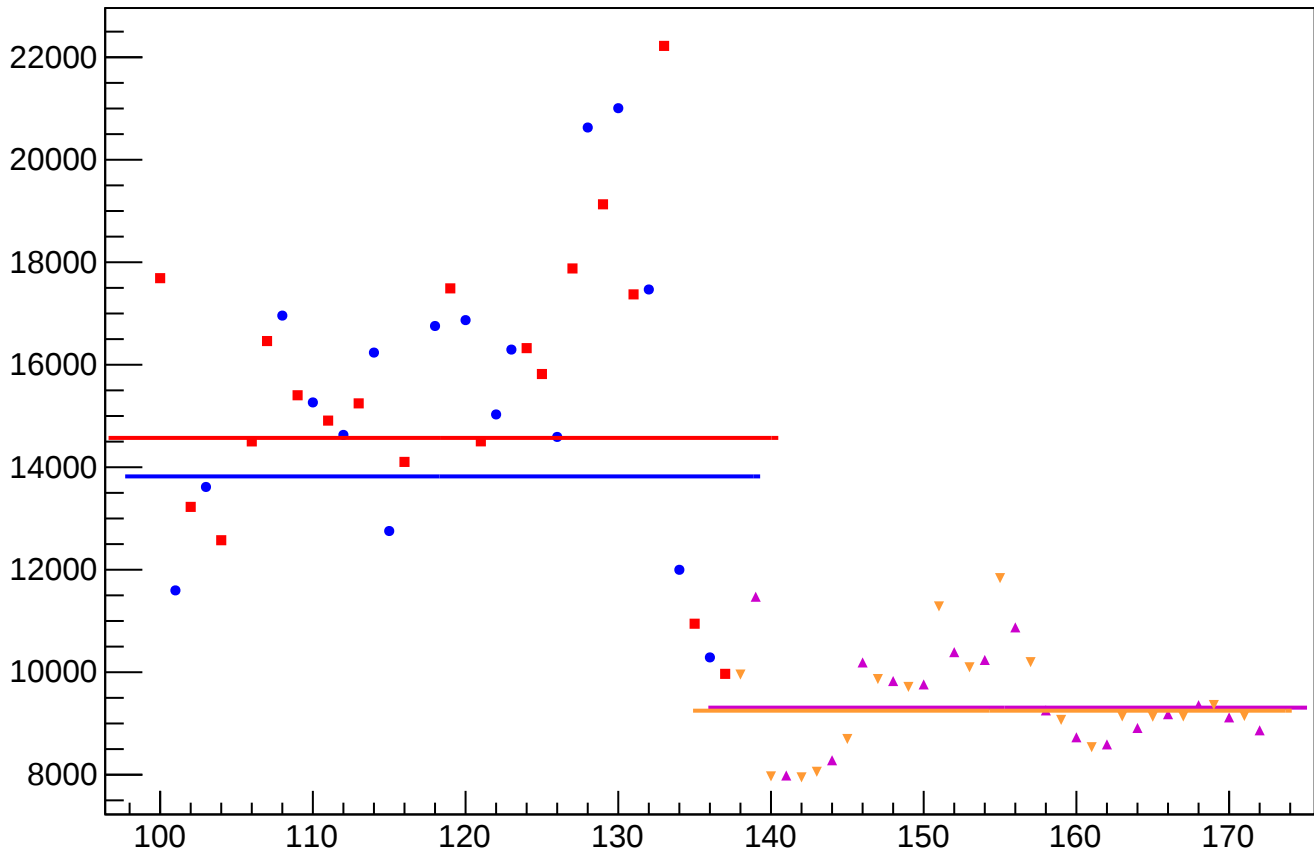
Right: 1.056 ± 3.920 $\chi^2/\text{NDF}: 39.7/35$

In: -1.670 ± 2.331 $\chi^2/\text{NDF}: 46.2/33$

Out: -8.366 ± 2.308 $\chi^2/\text{NDF}: 79.5/36$

All: -5.052 ± 1.640 $\chi^2/\text{NDF}: 129.9/70$

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 13821.195 $\pm$ 3.900 χ^2 /NDF: 602672.4/16

Left Out: 9249.759 $\pm$ 1.793 χ^2 /NDF: 280149.5/17

Right Out: 14572.437 $\pm$ 3.939 χ^2 /NDF: 472468.2/18

Left In: 9308.914 $\pm$ 1.819 χ^2 /NDF: 232839.4/16

Left: 9278.910 $\pm$ 1.277 χ^2 /NDF: 513525.4/34

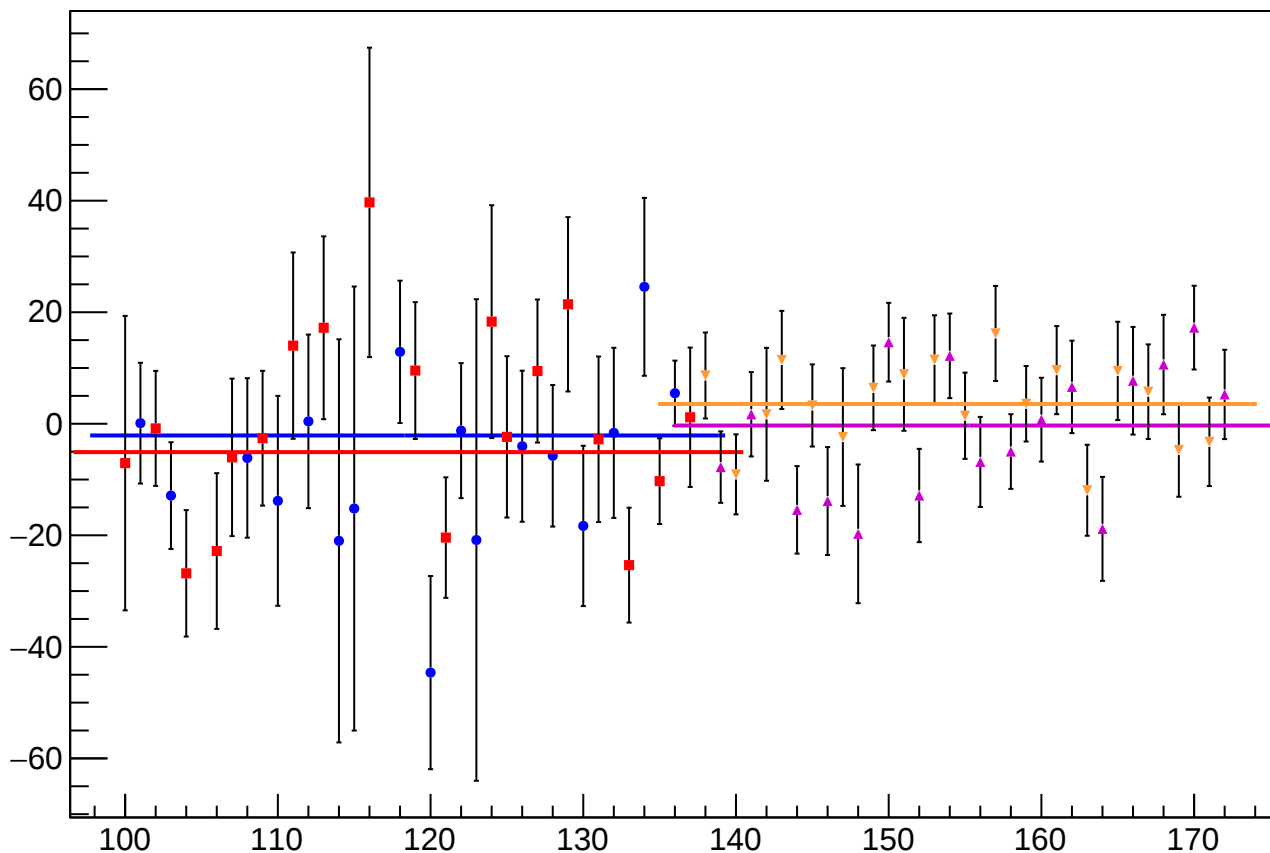
Right: 14193.062 $\pm$ 2.772 χ^2 /NDF: 1093505.5/35

In: 10115.037 $\pm$ 1.649 χ^2 /NDF: 1934871.7/33

Out: 10163.137 $\pm$ 1.632 χ^2 /NDF: 2264917.5/36

All: 10139.331 $\pm$ 1.160 χ^2 /NDF: 4200219.2/70

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: -2.098 ± 3.106 χ^2/NDF : 15.6/16

Left Out: 3.549 ± 1.945 χ^2/NDF : 14.7/17

Right Out: -5.085 ± 2.962 χ^2/NDF : 24.8/18

Left In: -0.316 ± 1.942 χ^2/NDF : 32.9/16

Left: 1.614 ± 1.375 χ^2/NDF : 49.6/34

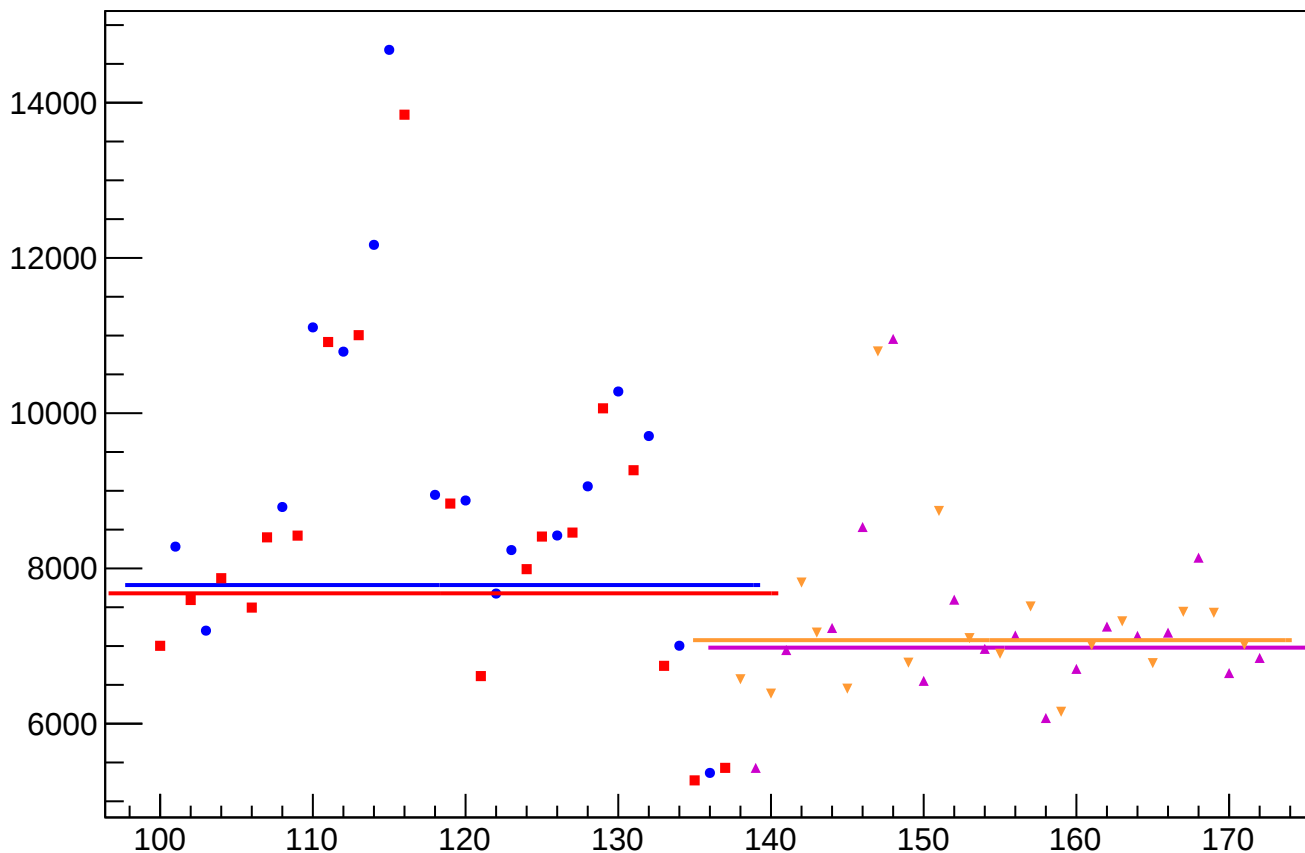
Right: -3.662 ± 2.144 χ^2/NDF : 40.9/35

In: -0.817 ± 1.647 χ^2/NDF : 48.8/33

Out: 0.948 ± 1.626 χ^2/NDF : 45.4/36

All: 0.077 ± 1.157 χ^2/NDF : 94.8/70

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 7785.931 $\pm$ 2.197 χ^2 /NDF: 738101.9/16

Left Out: 7075.868 $\pm$ 1.375 χ^2 /NDF:342679.0/17

Right Out: 7679.182 $\pm$ 2.095 χ^2 /NDF: 668736.8/18

Left In: 6979.454 $\pm$ 1.374 χ^2 /NDF:475181.5/16

Left: 7027.593 $\pm$ 0.972 χ^2 /NDF: 820320.6/34

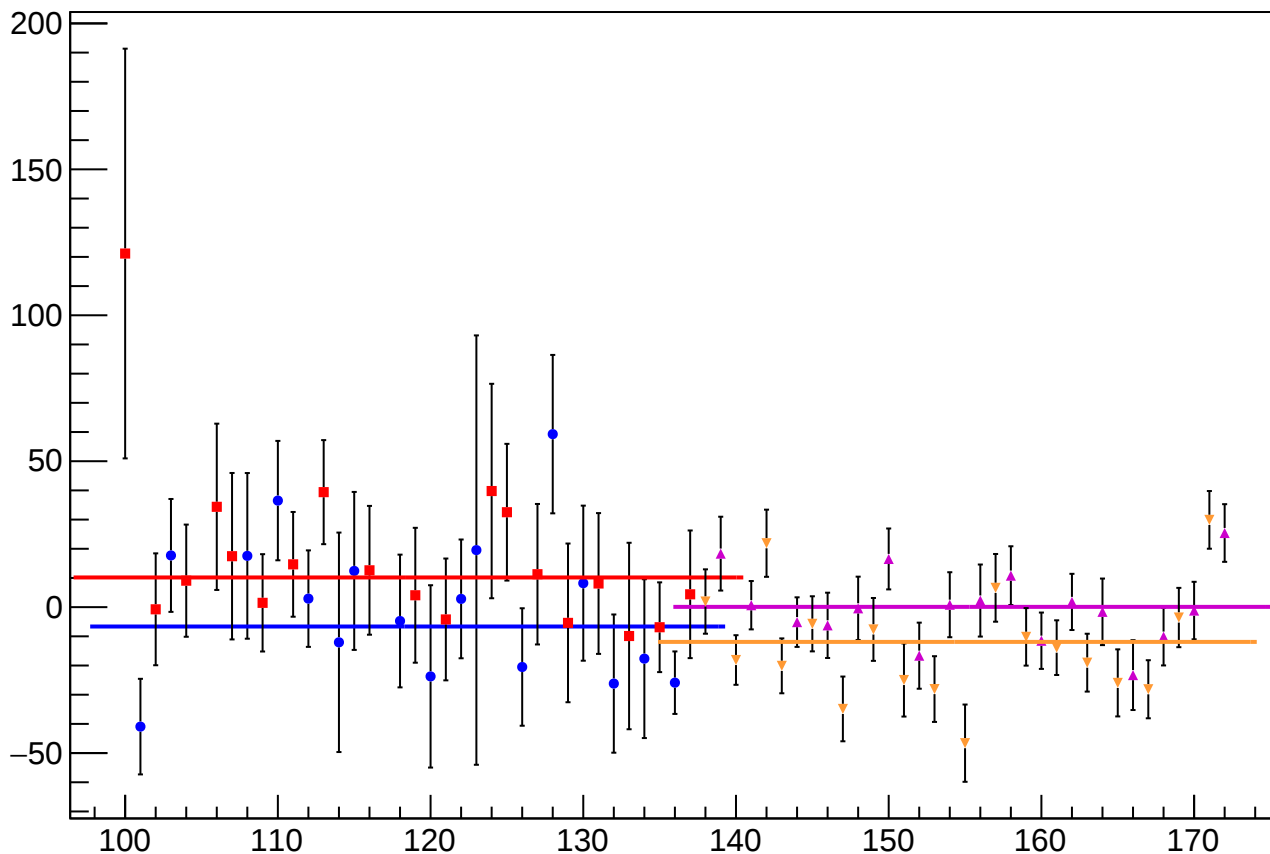
Right: 7730.020 $\pm$ 1.516 χ^2 /NDF: 1408075.7/35

In: 7206.148 $\pm$ 1.165 χ^2 /NDF:1310189.6/33

Out: 7257.646 $\pm$ 1.150 χ^2 /NDF:1069382.5/36

All: 7232.228 $\pm$ 0.818 χ^2 /NDF: 2380562.4/70

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -6.634 $\pm$ 5.101 χ^2/NDF : 23.4/16

Left Out: -11.905 $\pm$ 2.456 χ^2/NDF : 52.2/17

Right Out: 10.172 $\pm$ 5.075 χ^2/NDF : 10.8/18

Left In: 0.096 $\pm$ 2.502 χ^2/NDF : 21.6/16

Left: -6.017 $\pm$ 1.753 χ^2/NDF : 85.5/34

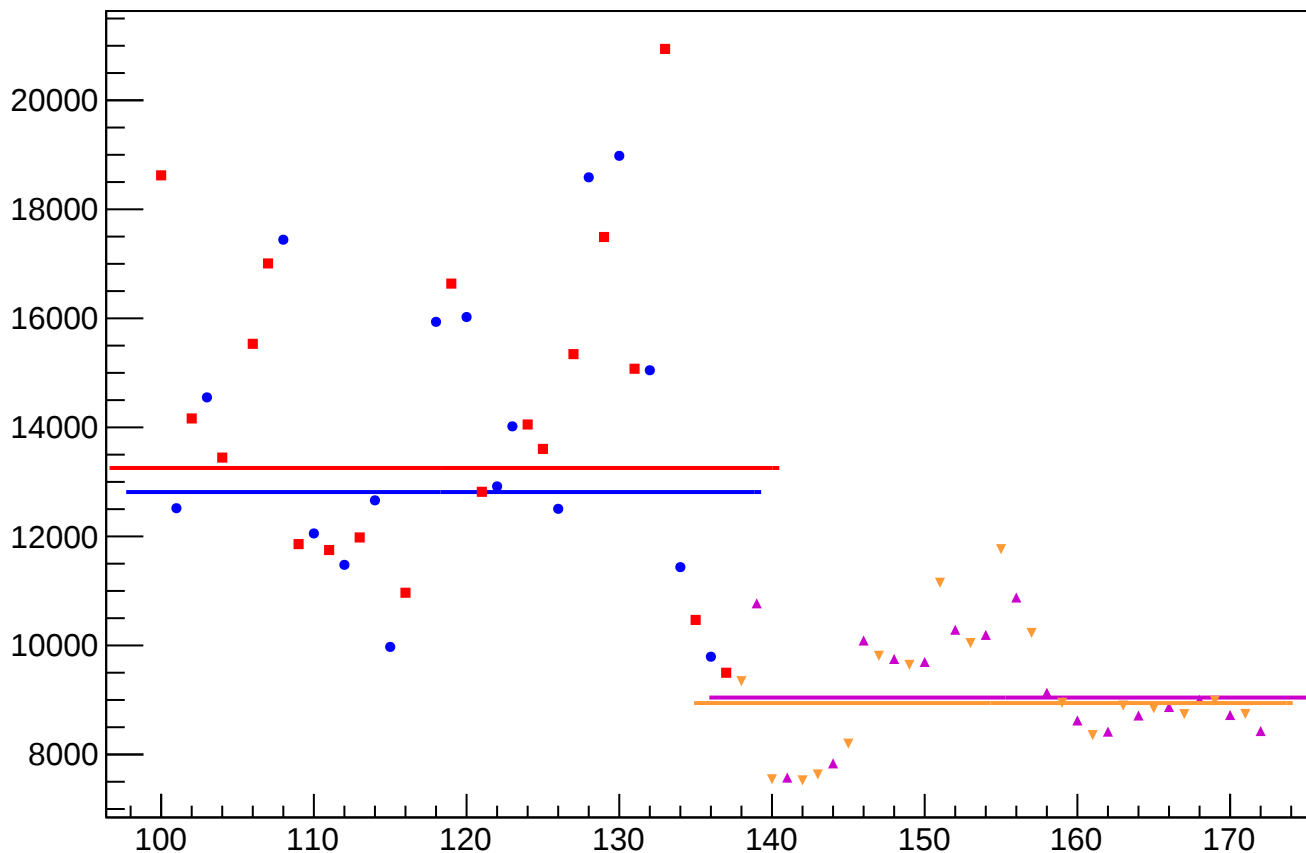
Right: 1.813 $\pm$ 3.598 χ^2/NDF : 39.7/35

In: -1.209 $\pm$ 2.247 χ^2/NDF : 46.4/33

Out: -7.716 $\pm$ 2.211 χ^2/NDF : 78.4/36

All: -4.515 $\pm$ 1.576 χ^2/NDF : 129.0/70

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 12813.726 ± 3.607 χ^2/NDF : 548127.6/16

Left Out: 8943.453 ± 1.737 χ^2/NDF : 365597.6/17

Right Out: 13255.535 ± 3.588 χ^2/NDF : 484287.4/18

Left In: 9044.129 ± 1.770 χ^2/NDF : 288406.9/16

Left: 8992.847 ± 1.239 χ^2/NDF : 655653.4/34

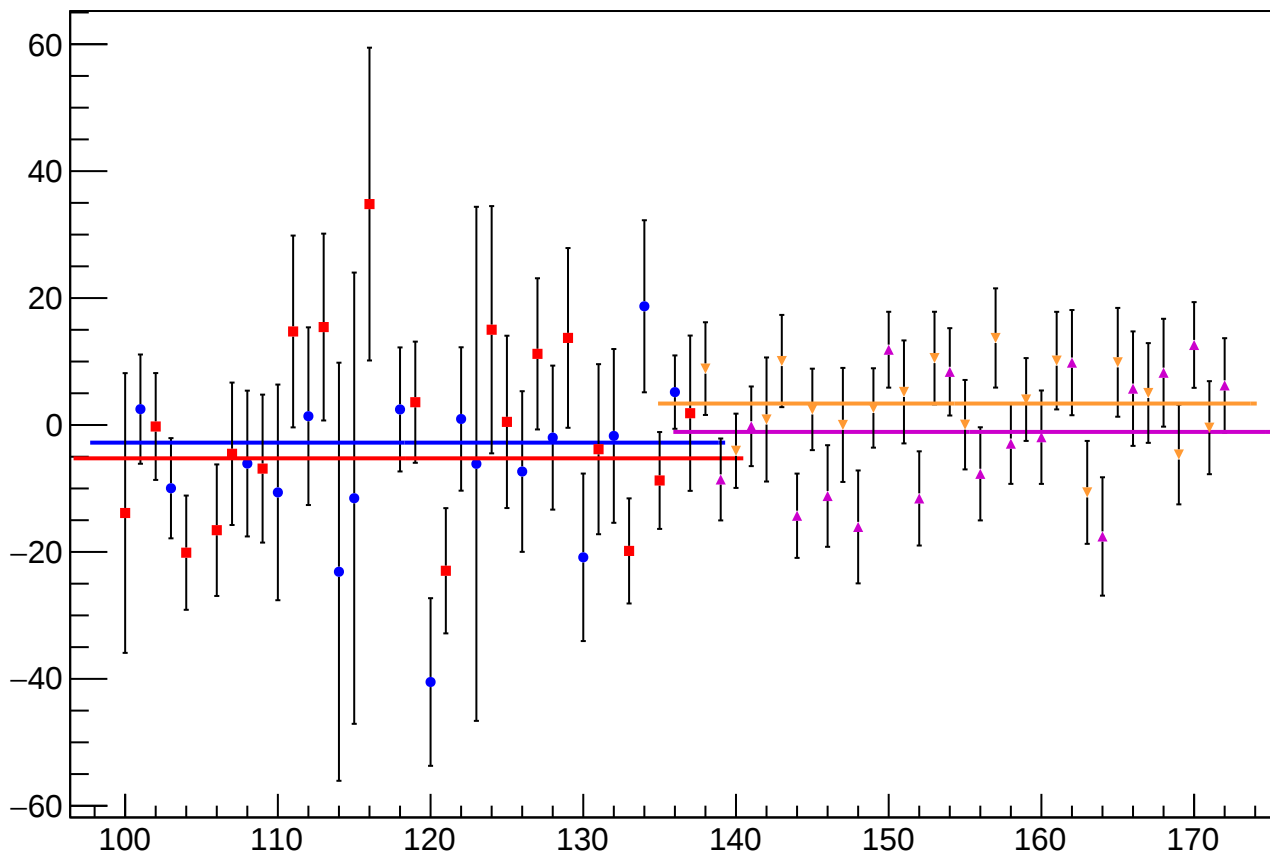
Right: 13035.784 ± 2.544 χ^2/NDF : 1039954.9/35

In: 9775.300 ± 1.589 χ^2/NDF : 1716785.7/33

Out: 9761.742 ± 1.563 χ^2/NDF : 2019867.6/36

All: 9768.411 ± 1.114 χ^2/NDF : 3736690.3/70

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: -2.778 $\pm$ 2.747 χ^2/NDF : 17.0/16

Left Out: 3.381 $\pm$ 1.740 χ^2/NDF :12.0/17

Right Out: -5.252 $\pm$ 2.590 χ^2/NDF : 23.5/18

Left In: -1.090 $\pm$ 1.763 χ^2/NDF :31.0/16

Left: 1.175 $\pm$ 1.238 χ^2/NDF : 46.2/34

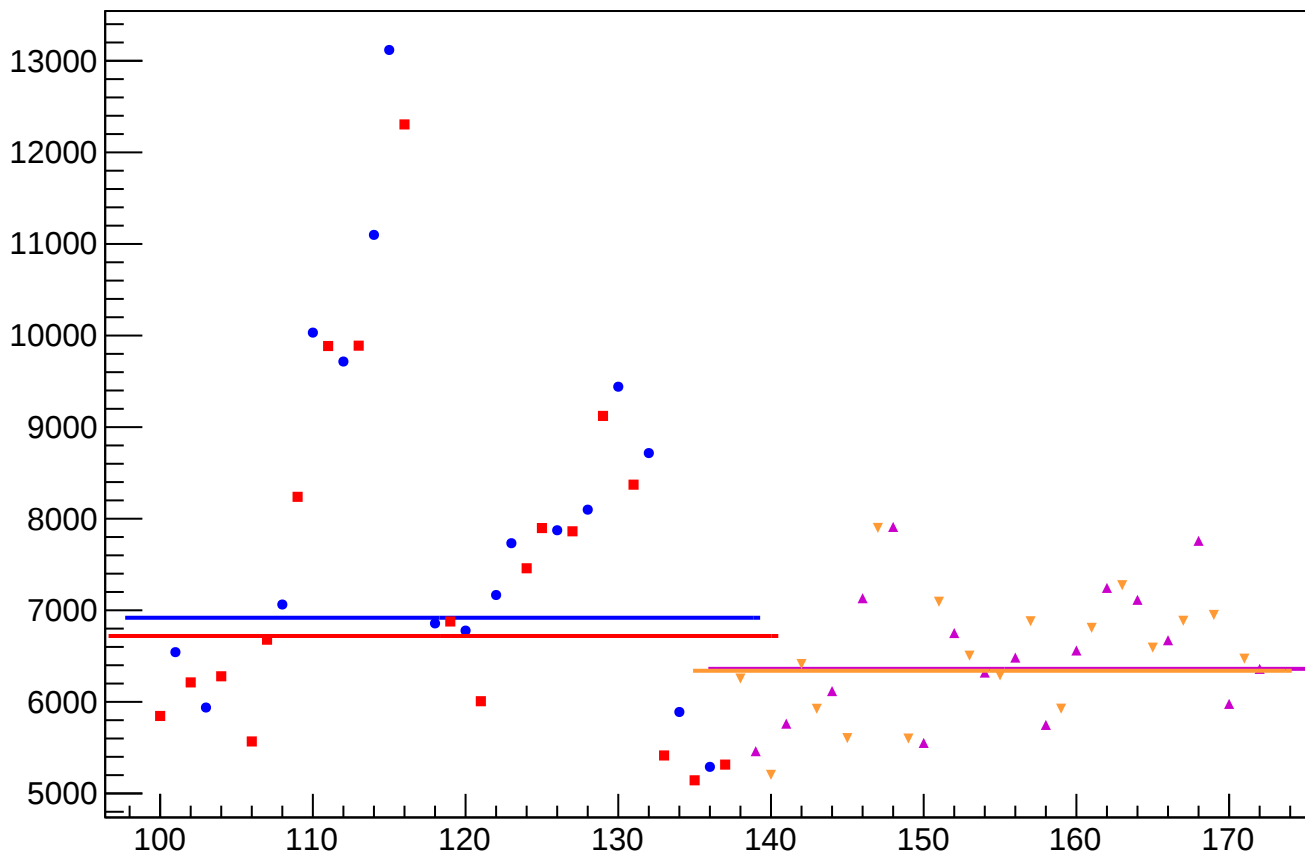
Right: -4.088 $\pm$ 1.884 χ^2/NDF : 41.0/35

In: -1.582 $\pm$ 1.484 χ^2/NDF :48.2/33

Out: 0.696 $\pm$ 1.444 χ^2/NDF :43.1/36

All: -0.412 $\pm$ 1.035 χ^2/NDF : 92.6/70

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 6918.554 ± 1.943 $\chi^2/\text{NDF}: 587976.6/16$

Left Out: 6339.793 ± 1.230 $\chi^2/\text{NDF}: 290973.5/17$

Right Out: 6719.404 ± 1.831 $\chi^2/\text{NDF}: 653831.7/18$

Left In: 6360.674 ± 1.247 $\chi^2/\text{NDF}: 300661.3/16$

Left: 6350.096 ± 0.876 $\chi^2/\text{NDF}: 591776.9/34$

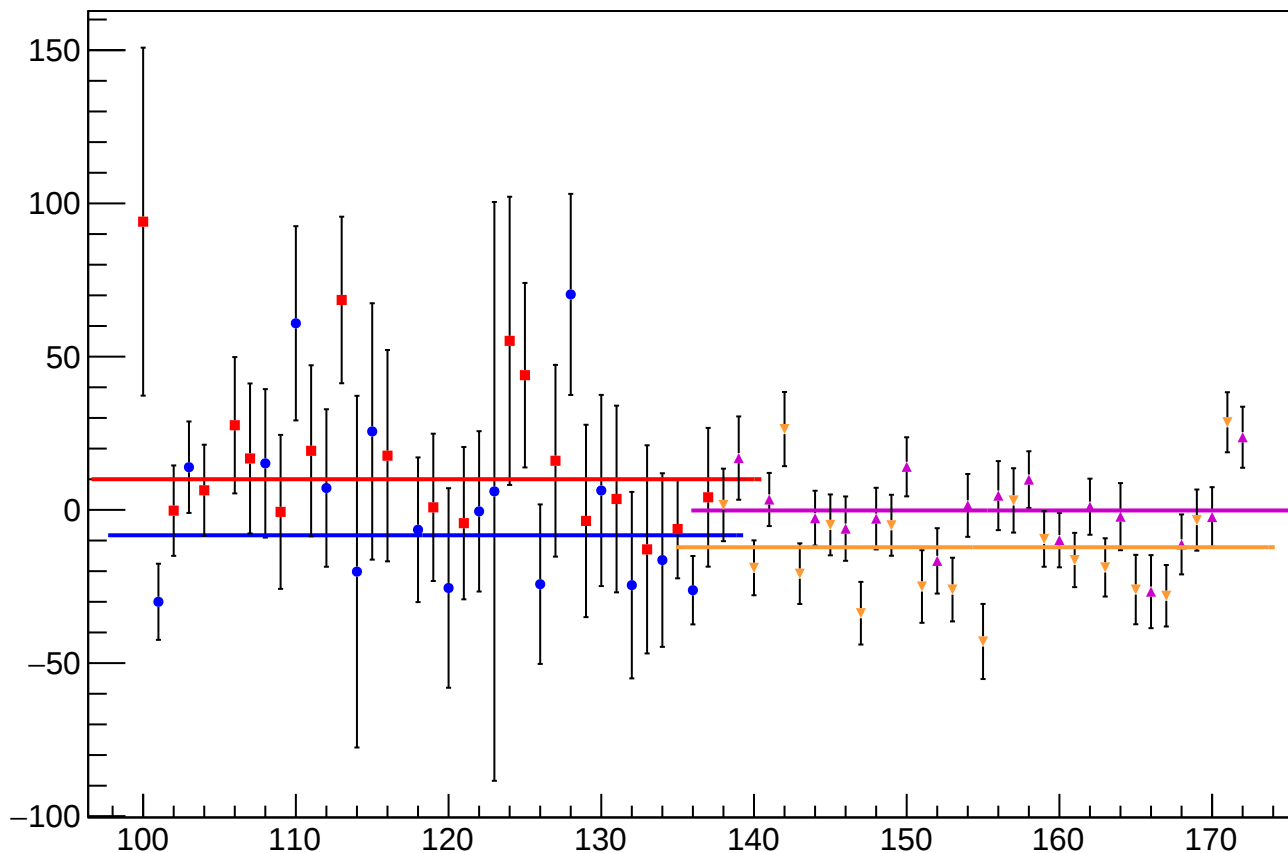
Right: 6813.106 ± 1.332 $\chi^2/\text{NDF}: 1247373.6/35$

In: 6523.418 ± 1.049 $\chi^2/\text{NDF}: 947057.5/33$

Out: 6457.858 ± 1.021 $\chi^2/\text{NDF}: 974415.4/36$

All: 6489.753 ± 0.732 $\chi^2/\text{NDF}: 1923477.9/70$

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -8.286 ± 5.410 χ^2/NDF : 21.7/16

Left Out: -12.186 ± 2.406 χ^2/NDF : 52.5/17

Right Out: 10.007 ± 5.513 χ^2/NDF : 12.9/18

Left In: -0.191 ± 2.426 χ^2/NDF : 21.4/16

Left: -6.239 ± 1.708 χ^2/NDF : 86.3/34

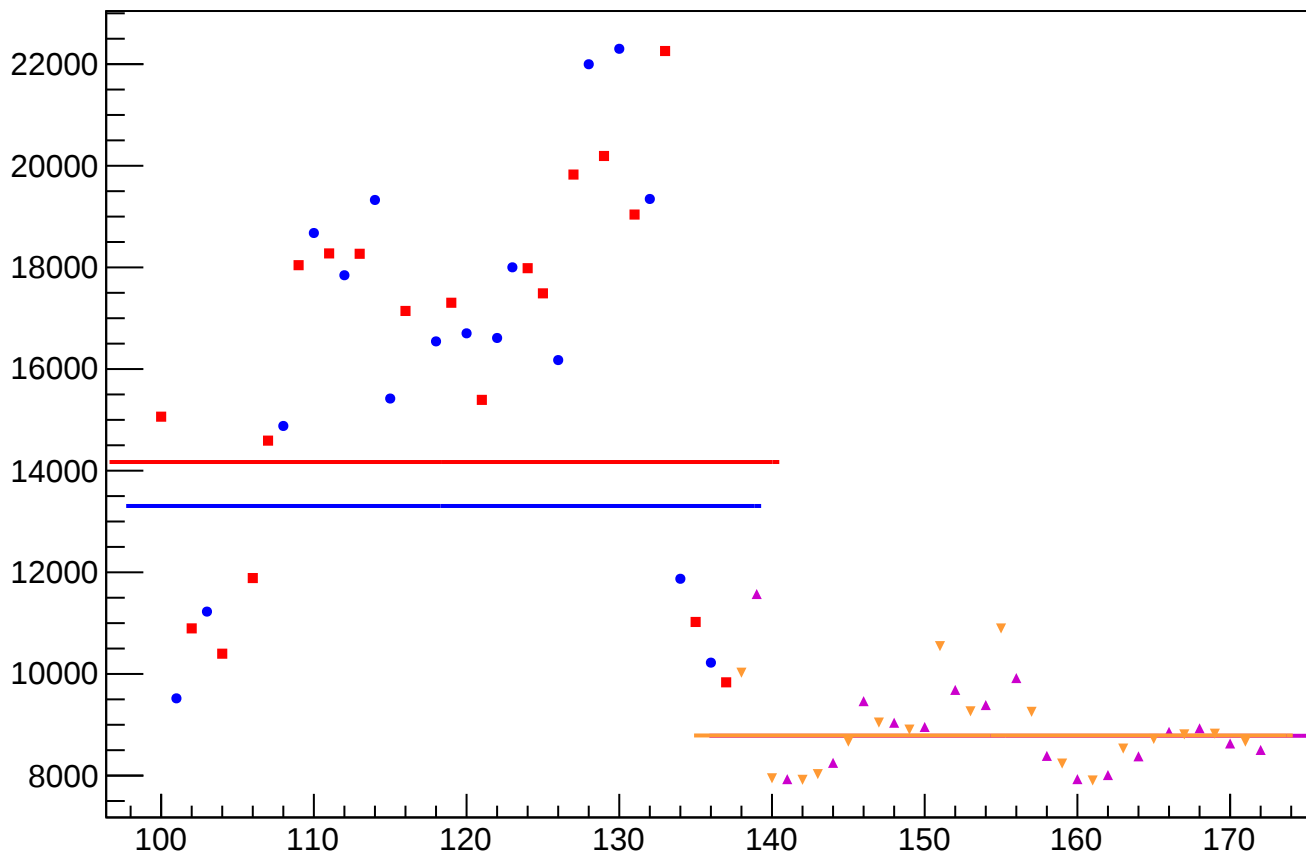
Right: 0.688 ± 3.861 χ^2/NDF : 40.2/35

In: -1.546 ± 2.214 χ^2/NDF : 45.0/33

Out: -8.636 ± 2.205 χ^2/NDF : 79.1/36

All: -5.105 ± 1.562 χ^2/NDF : 129.2/70

diff_bpm1X_rms vs Slug, Sign Corrected



Right In: 13305.410 $\pm$ 3.826 χ^2 /NDF: 1044091.1/16

Left Out: 8789.455 $\pm$ 1.701 χ^2 /NDF:204008.9/17

Right Out: 14170.668 $\pm$ 3.898 χ^2 /NDF: 930612.1/18

Left In: 8783.424 $\pm$ 1.716 χ^2 /NDF:204447.1/16

Left: 8786.465 $\pm$ 1.208 χ^2 /NDF: 408462.2/34

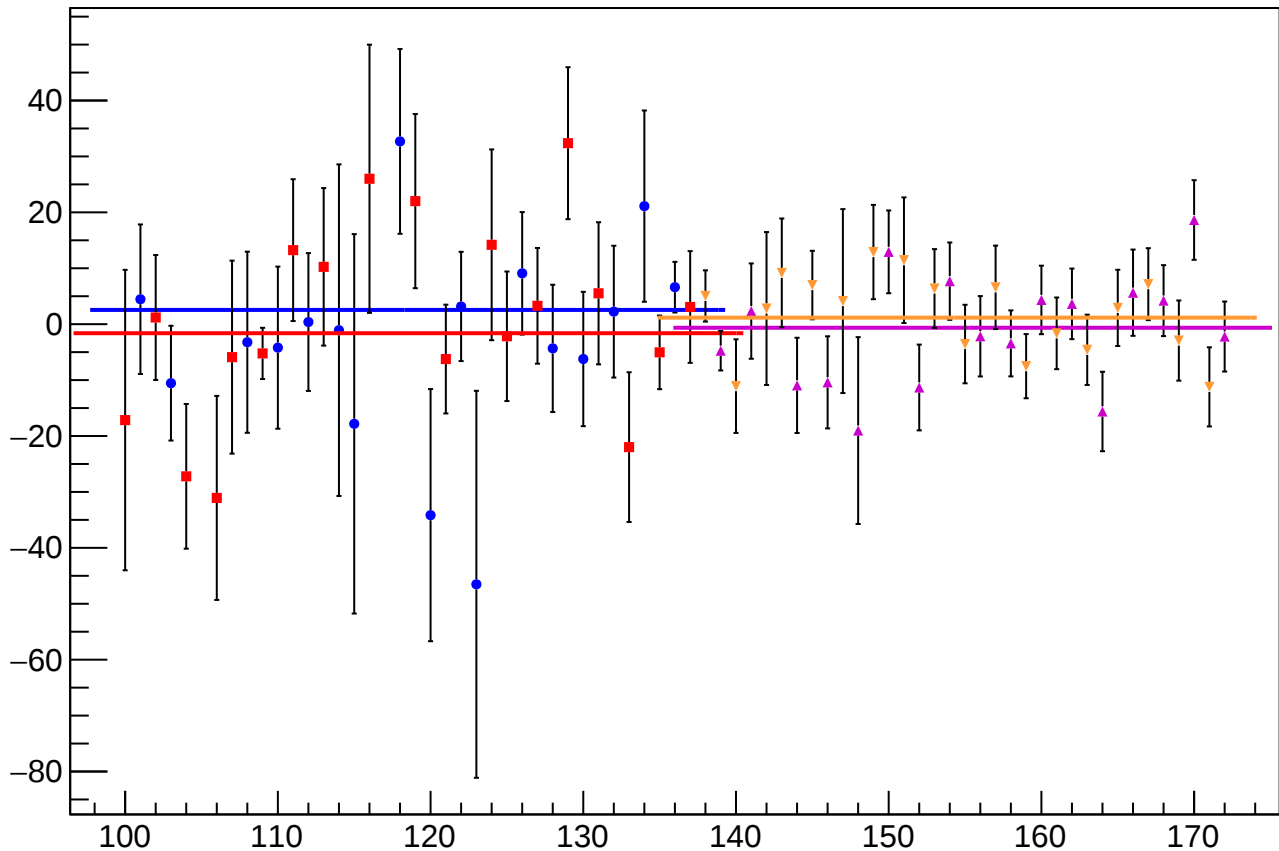
Right: 13729.884 $\pm$ 2.730 χ^2 /NDF: 1999799.5/35

In: 9540.550 $\pm$ 1.565 χ^2 /NDF:2411837.7/33

Out: 9650.220 $\pm$ 1.559 χ^2 /NDF:2735289.3/36

All: 9595.603 $\pm$ 1.105 χ^2 /NDF: 5149591.0/70

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 2.551 ± 2.757 χ^2/NDF : 13.6/16

Left Out: 1.170 ± 1.681 χ^2/NDF : 16.4/17

Right Out: -1.613 ± 2.442 χ^2/NDF : 24.0/18

Left In: -0.638 ± 1.604 χ^2/NDF : 26.8/16

Left: 0.223 ± 1.161 χ^2/NDF : 43.8/34

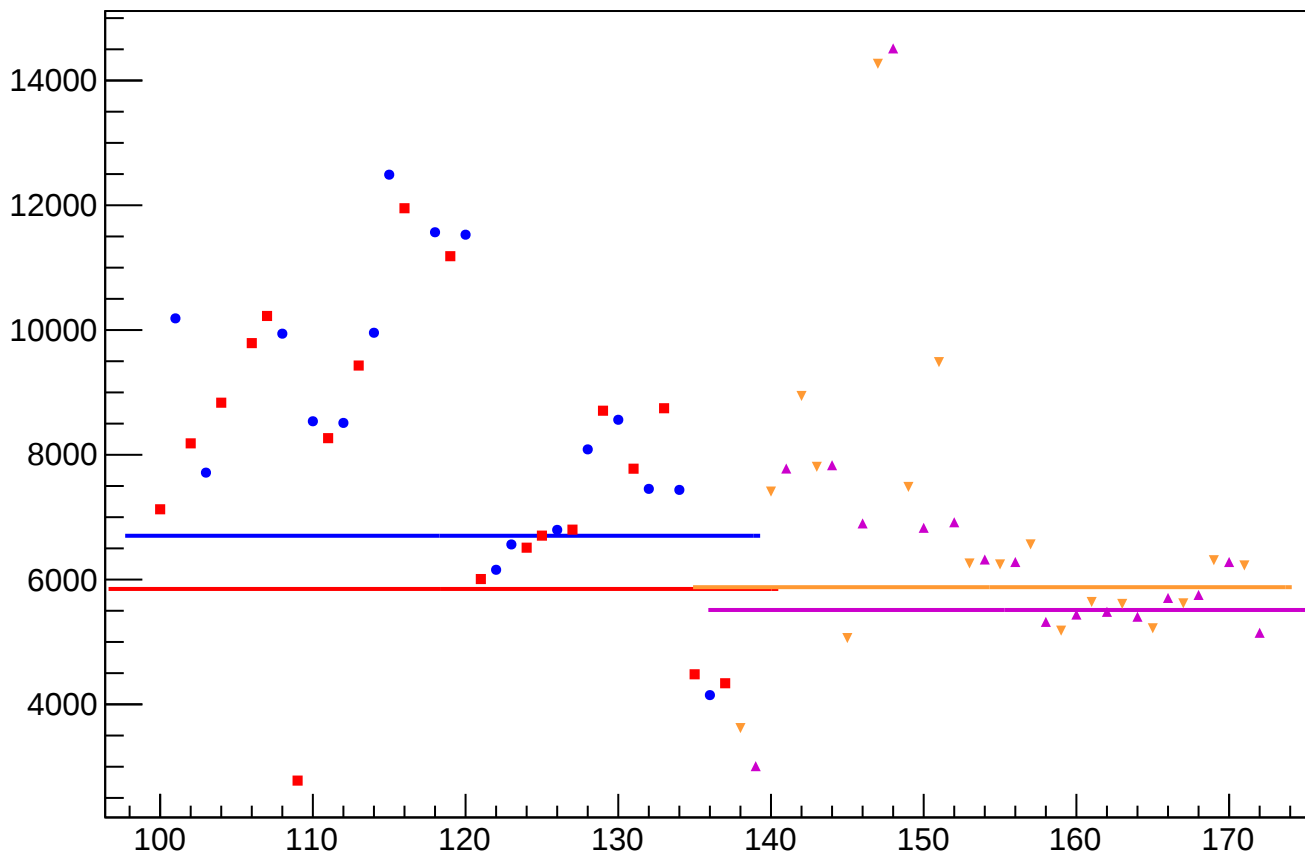
Right: 0.218 ± 1.828 χ^2/NDF : 38.9/35

In: 0.168 ± 1.386 χ^2/NDF : 41.4/33

Out: 0.275 ± 1.385 χ^2/NDF : 41.3/36

All: 0.222 ± 0.980 χ^2/NDF : 82.7/70

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 6702.245+/-1.949 χ^2/NDF : 1389956.8/16

Left Out: 5878.137+/-1.189 χ^2/NDF : 1665469.1/17

Right Out: 5849.606+/-1.727 χ^2/NDF : 2278464.5/18

Left In: 5512.663+/-1.134 χ^2/NDF : 2148897.3/16

Left: 5686.814+/-0.821 χ^2/NDF : 3863834.7/34

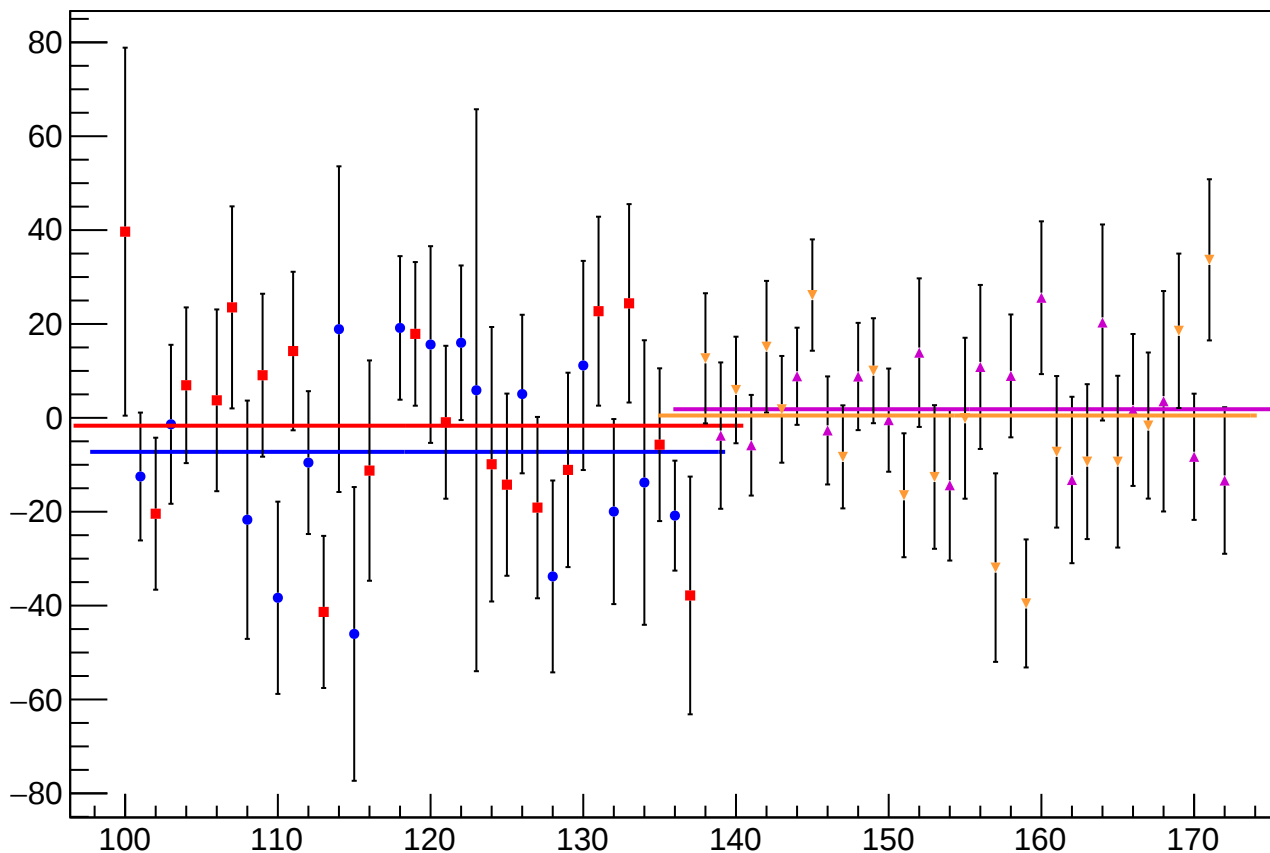
Right: 6224.538+/-1.293 χ^2/NDF : 3775609.7/35

In: 5813.563+/-0.980 χ^2/NDF : 3817057.3/33

Out: 5868.963+/-0.979 χ^2/NDF : 3944118.8/36

All: 5841.295+/-0.693 χ^2/NDF : 7762774.4/70

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -7.245 ± 4.547 χ^2/NDF : 15.9/16

Left Out: 0.499 ± 3.294 χ^2/NDF : 27.6/17

Right Out: -1.671 ± 4.373 χ^2/NDF : 19.9/18

Left In: 1.839 ± 3.388 χ^2/NDF : 9.0/16

Left: 1.150 ± 2.362 χ^2/NDF : 36.7/34

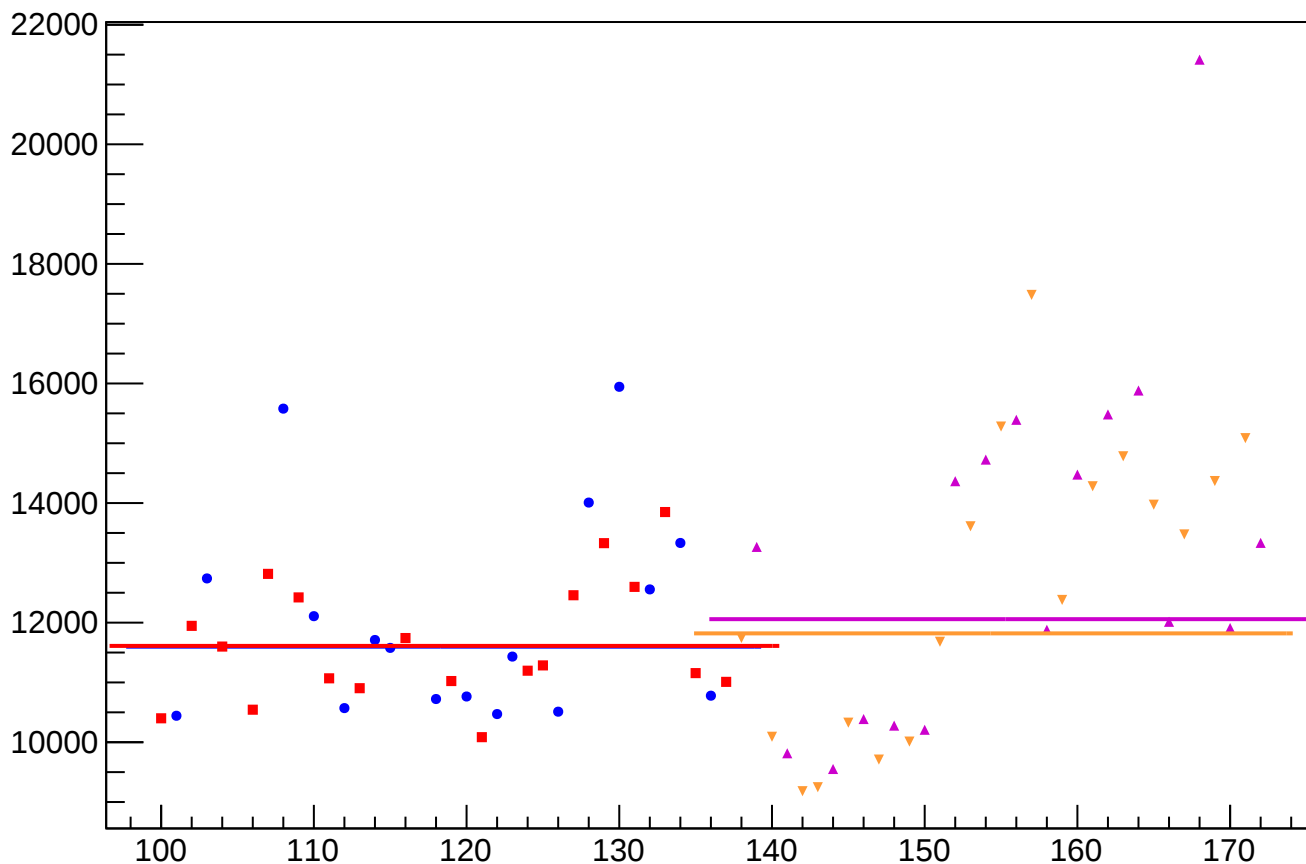
Right: -4.349 ± 3.152 χ^2/NDF : 36.6/35

In: -1.404 ± 2.717 χ^2/NDF : 27.5/33

Out: -0.286 ± 2.631 χ^2/NDF : 47.6/36

All: -0.827 ± 1.890 χ^2/NDF : 75.2/70

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 11598.751+/-3.215 χ^2/NDF : 235423.8/16

Left Out: 11820.418+/-2.329 χ^2/NDF : 930459.2/17

Right Out: 11610.941+/-3.092 χ^2/NDF : 94447.0/18

Left In: 12058.152+/-2.395 χ^2/NDF : 1052083.6/16

Left: 11935.952+/-1.670 χ^2/NDF : 1987605.6/34

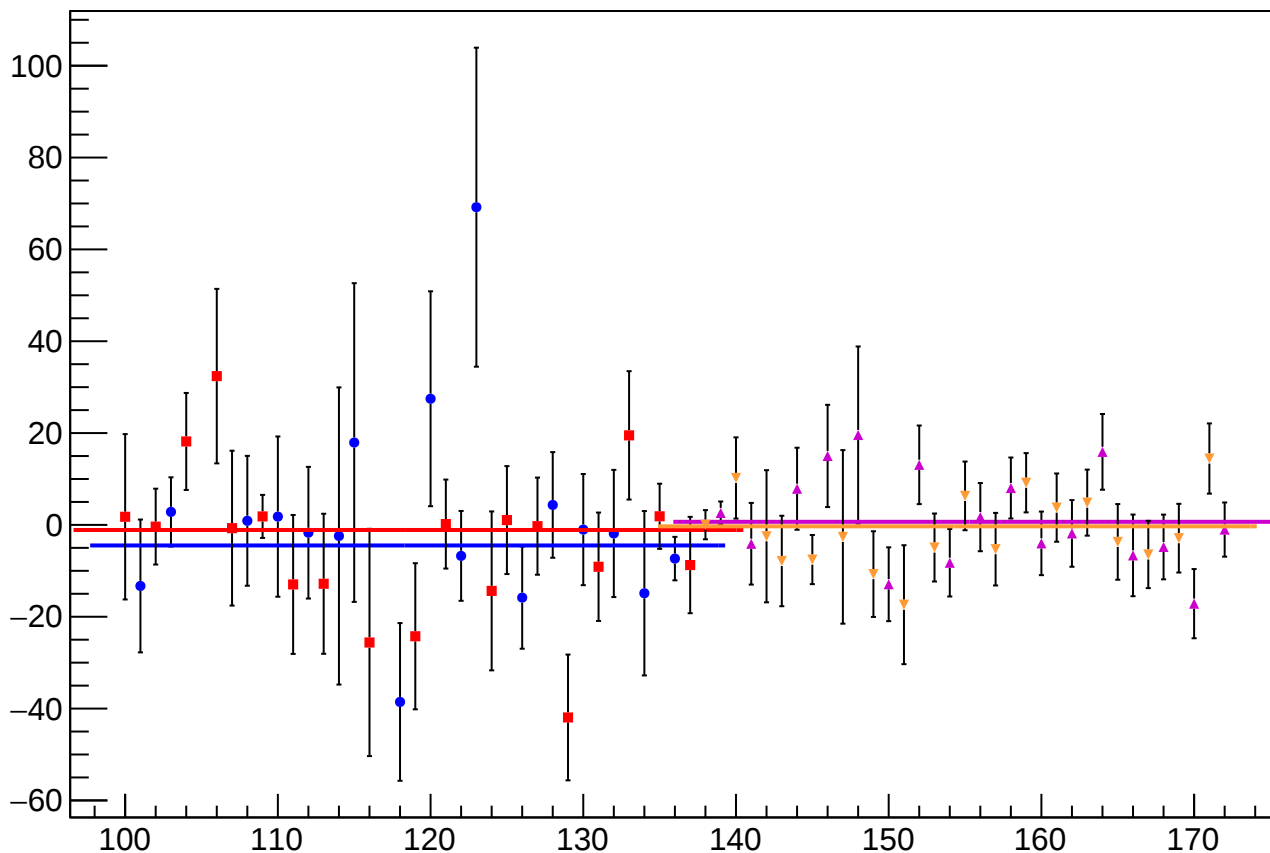
Right: 11605.084+/-2.229 χ^2/NDF : 329878.2/35

In: 11894.169+/-1.921 χ^2/NDF : 1300636.1/33

Out: 11744.589+/-1.860 χ^2/NDF : 1027834.1/36

All: 11816.988+/-1.336 χ^2/NDF : 2331599.0/71

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: -4.476 $\pm$ 2.782 χ^2/NDF : 14.8/16

Left Out: -0.310 $\pm$ 1.657 χ^2/NDF : 16.1/17

Right Out: -1.105 $\pm$ 2.429 χ^2/NDF : 24.0/18

Left In: 0.674 $\pm$ 1.544 χ^2/NDF : 22.8/16

Left: 0.217 $\pm$ 1.130 χ^2/NDF : 39.1/34

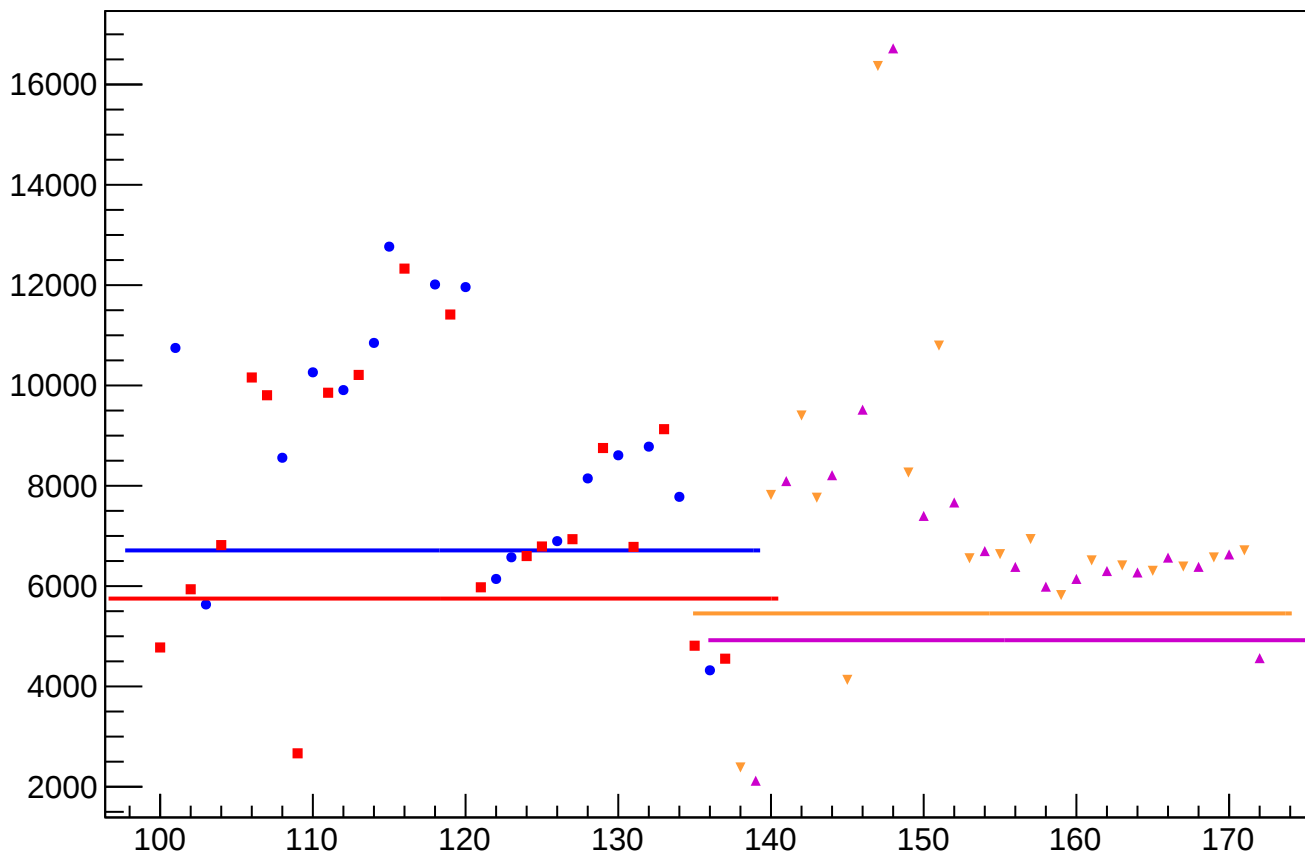
Right: -2.563 $\pm$ 1.830 χ^2/NDF : 39.7/35

In: -0.539 $\pm$ 1.350 χ^2/NDF : 40.3/33

Out: -0.563 $\pm$ 1.369 χ^2/NDF : 40.2/36

All: -0.551 $\pm$ 0.961 χ^2/NDF : 80.5/70

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 6711.550+/-1.967 χ^2/NDF : 1446972.0/16

Left Out: 5455.628+/-1.172 χ^2/NDF : 3980025.9/17

Right Out: 5751.505+/-1.718 χ^2/NDF : 2165110.0/18

Left In: 4921.425+/-1.092 χ^2/NDF : 5240020.8/16

Left: 5169.705+/-0.799 χ^2/NDF : 9331251.7/34

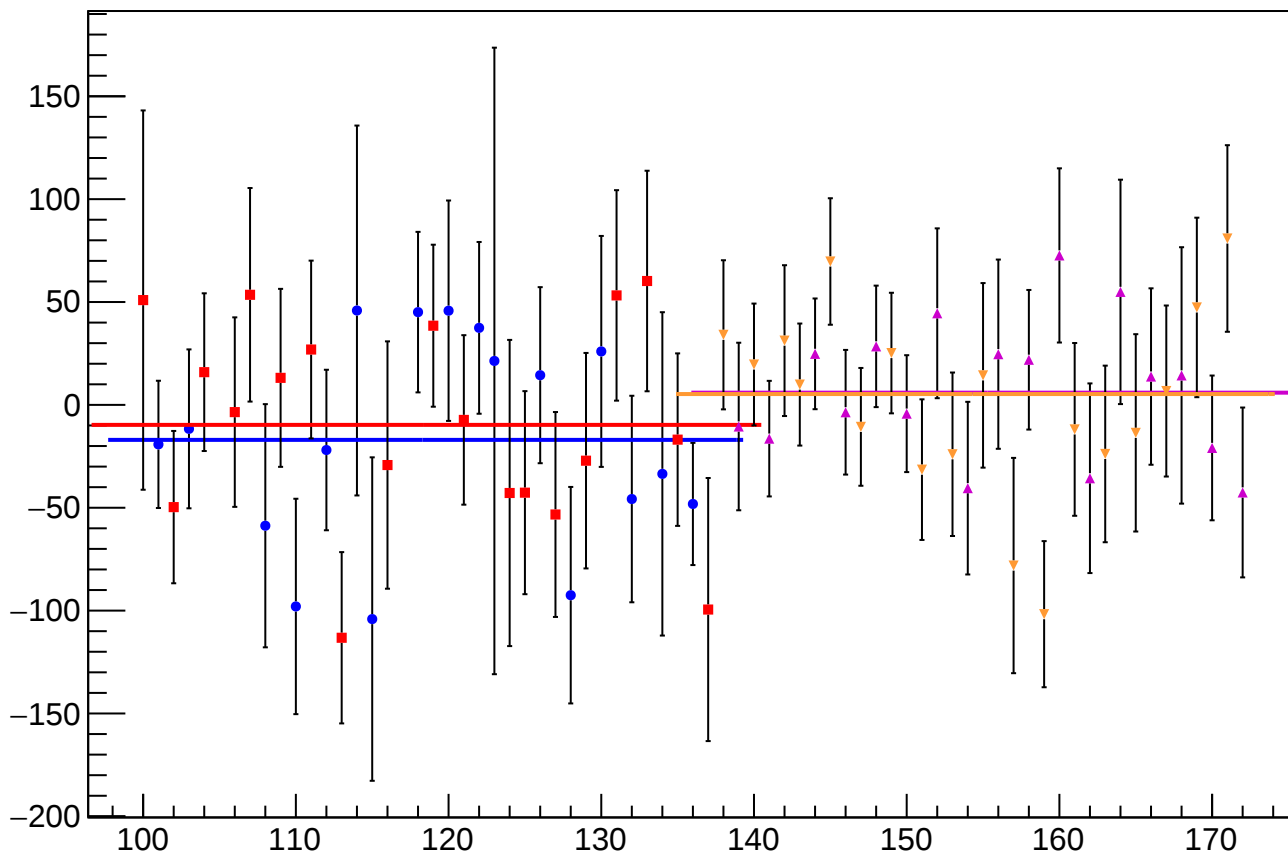
Right: 6166.836+/-1.294 χ^2/NDF : 3747249.5/35

In: 5343.239+/-0.955 χ^2/NDF : 7320103.8/33

Out: 5549.625+/-0.968 χ^2/NDF : 6165384.4/36

All: 5445.008+/-0.680 χ^2/NDF : 13508527.5/71

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -17.010 $\pm$ 11.287 χ^2/NDF : 15.0/16

Left Out: 5.267 $\pm$ 8.605 χ^2/NDF :24.4/17

Right Out: -9.719 $\pm$ 10.891 χ^2/NDF : 19.1/18

Left In: 5.941 $\pm$ 8.844 χ^2/NDF :10.7/16

Left: 5.595 $\pm$ 6.168 χ^2/NDF : 35.1/34

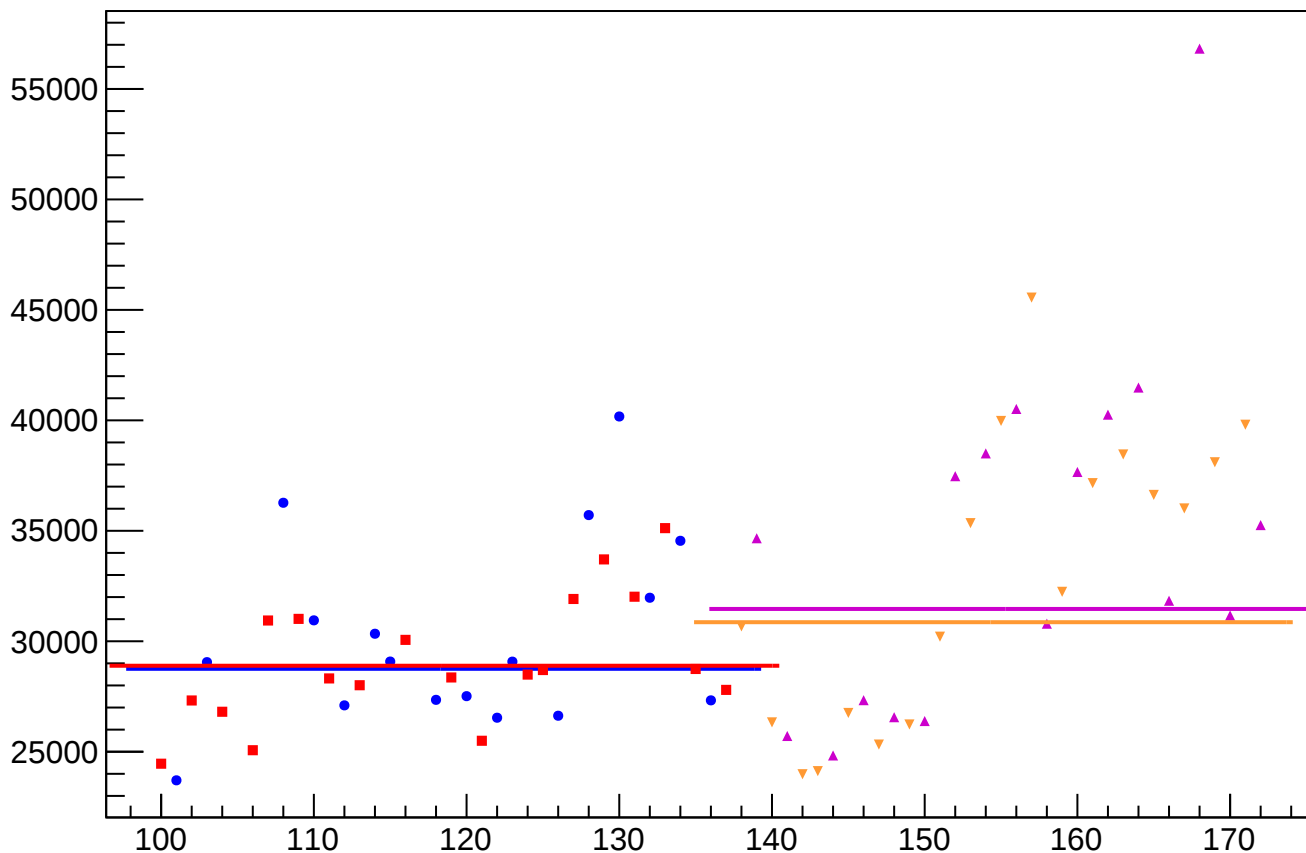
Right: -13.234 $\pm$ 7.837 χ^2/NDF : 34.3/35

In: -2.790 $\pm$ 6.962 χ^2/NDF :28.2/33

Out: -0.493 $\pm$ 6.752 χ^2/NDF :44.6/36

All: -1.607 $\pm$ 4.847 χ^2/NDF : 72.9/70

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 28753.787+/-7.981 χ^2/NDF : 249215.1/16

Left Out: 30863.093+/-6.085 χ^2/NDF : 950443.2/17

Right Out: 28892.154+/-7.701 χ^2/NDF : 111241.2/18

Left In: 31462.680+/-6.254 χ^2/NDF : 1082367.5/16

Left: 31154.668+/-4.361 χ^2/NDF : 2037532.4/34

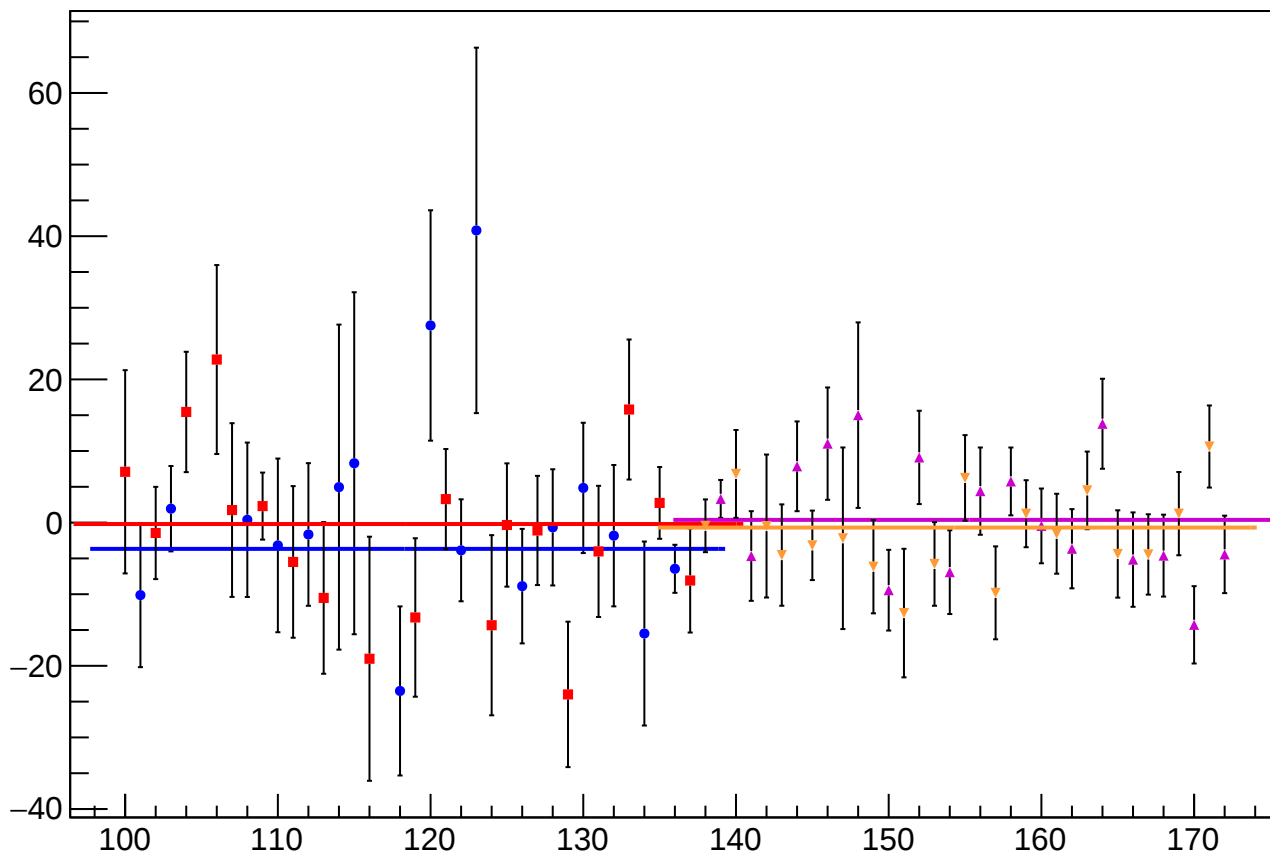
Right: 28825.443+/-5.542 χ^2/NDF : 360612.0/35

In: 30432.140+/-4.923 χ^2/NDF : 1402956.8/33

Out: 30105.538+/-4.774 χ^2/NDF : 1102010.8/36

All: 30263.842+/-3.427 χ^2/NDF : 2507235.8/71

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: -3.668 ± 2.010 χ^2/NDF : 14.5/16

Left Out: -0.691 ± 1.378 χ^2/NDF : 14.6/17

Right Out: -0.199 ± 1.893 χ^2/NDF : 22.3/18

Left In: 0.382 ± 1.304 χ^2/NDF : 29.3/16

Left: -0.125 ± 0.947 χ^2/NDF : 44.1/34

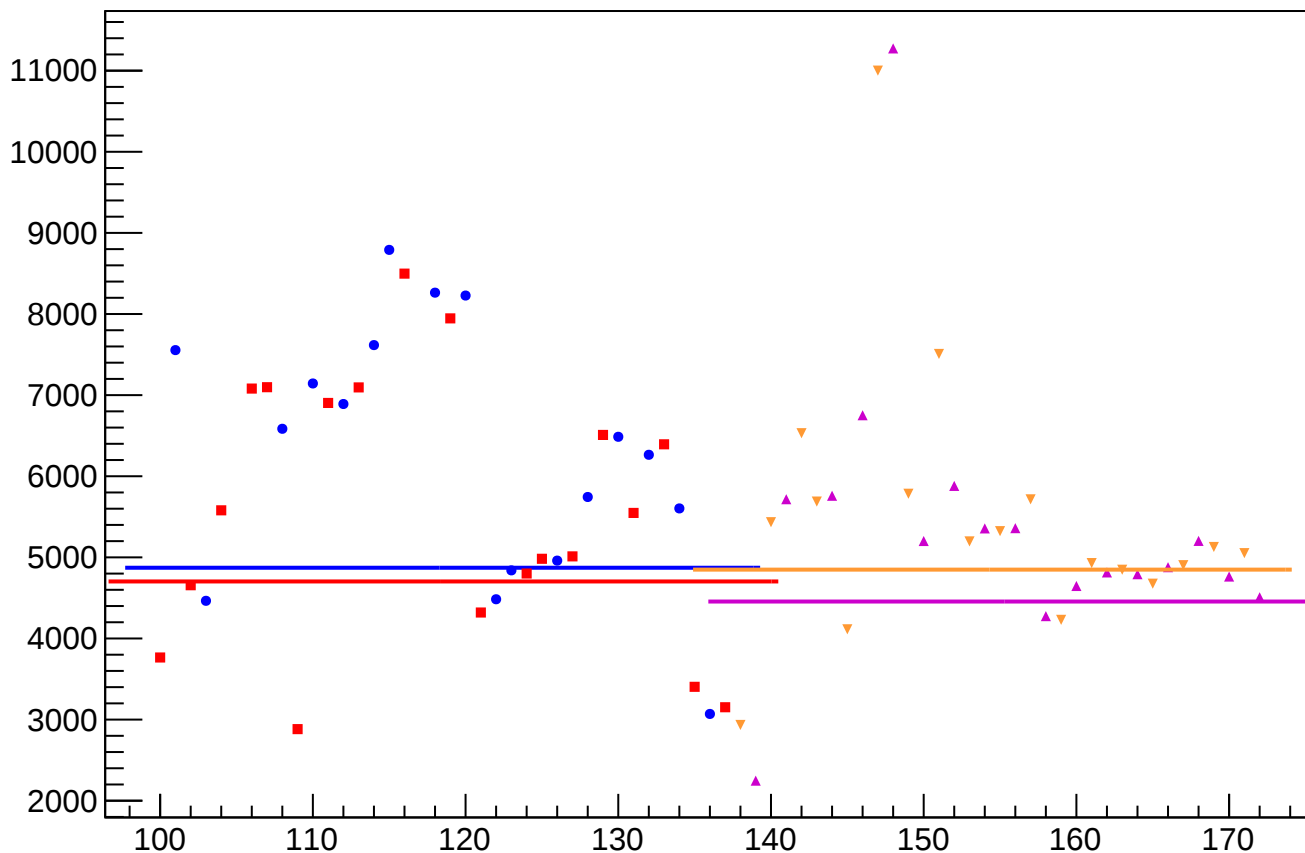
Right: -1.830 ± 1.378 χ^2/NDF : 38.4/35

In: -0.818 ± 1.094 χ^2/NDF : 46.6/33

Out: -0.521 ± 1.114 χ^2/NDF : 36.9/36

All: -0.672 ± 0.780 χ^2/NDF : 83.6/70

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 4872.105 ± 1.421 $\chi^2/\text{NDF}: 1405253.2/16$

Left Out: 4848.812 ± 0.975 $\chi^2/\text{NDF}: 1476278.6/17$

Right Out: 4702.994 ± 1.338 $\chi^2/\text{NDF}: 1312720.8/18$

Left In: 4455.474 ± 0.922 $\chi^2/\text{NDF}: 2577159.8/16$

Left: 4641.189 ± 0.670 $\chi^2/\text{NDF}: 4139415.3/34$

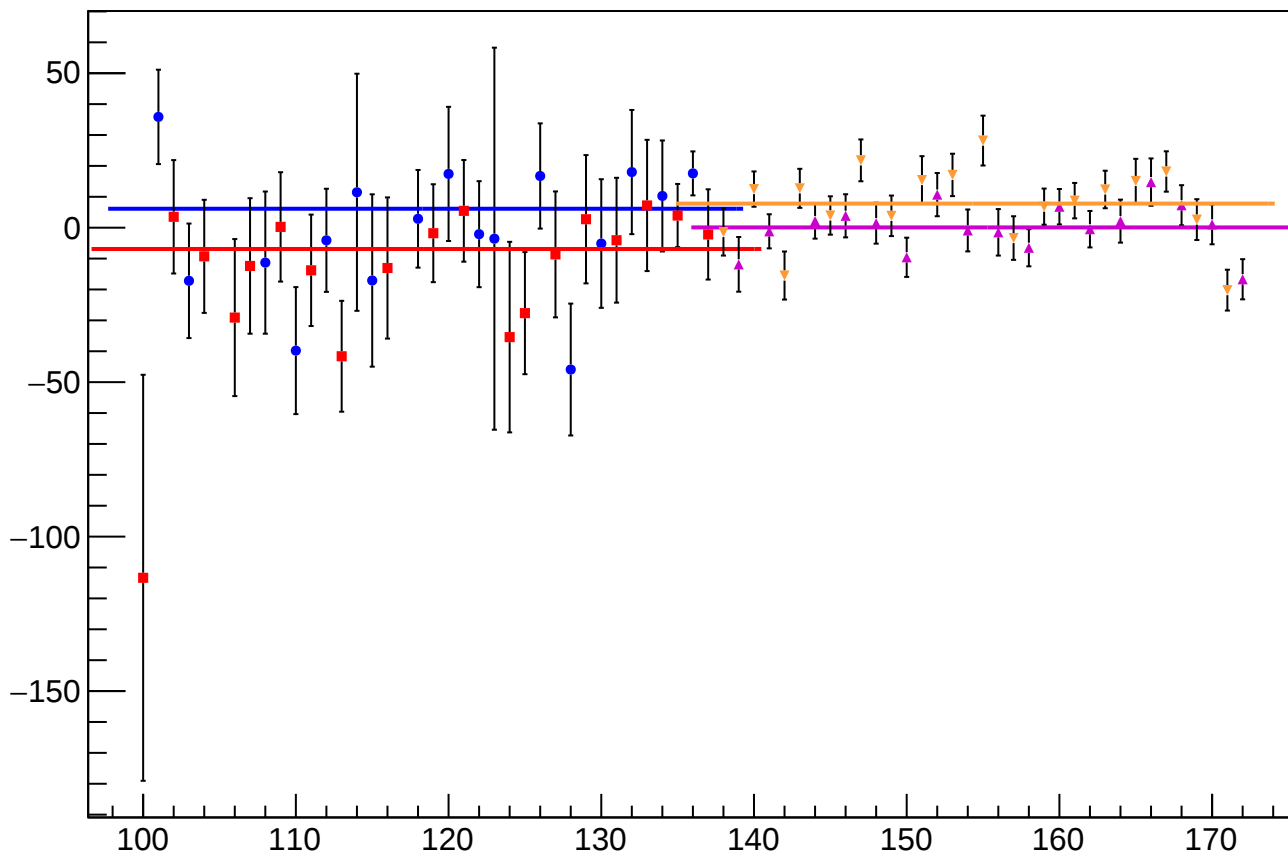
Right: 4782.480 ± 0.974 $\chi^2/\text{NDF}: 2725478.8/35$

In: 4578.846 ± 0.773 $\chi^2/\text{NDF}: 4042910.9/33$

Out: 4798.280 ± 0.788 $\chi^2/\text{NDF}: 2796756.7/36$

All: 4686.524 ± 0.552 $\chi^2/\text{NDF}: 6879176.8/70$

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 6.133 ± 4.080 χ^2/NDF : 22.2/16

Left Out: 7.801 ± 1.563 χ^2/NDF : 51.2/17

Right Out: -6.892 ± 4.224 χ^2/NDF : 12.5/18

Left In: 0.085 ± 1.581 χ^2/NDF : 21.3/16

Left: 3.987 ± 1.112 χ^2/NDF : 84.5/34

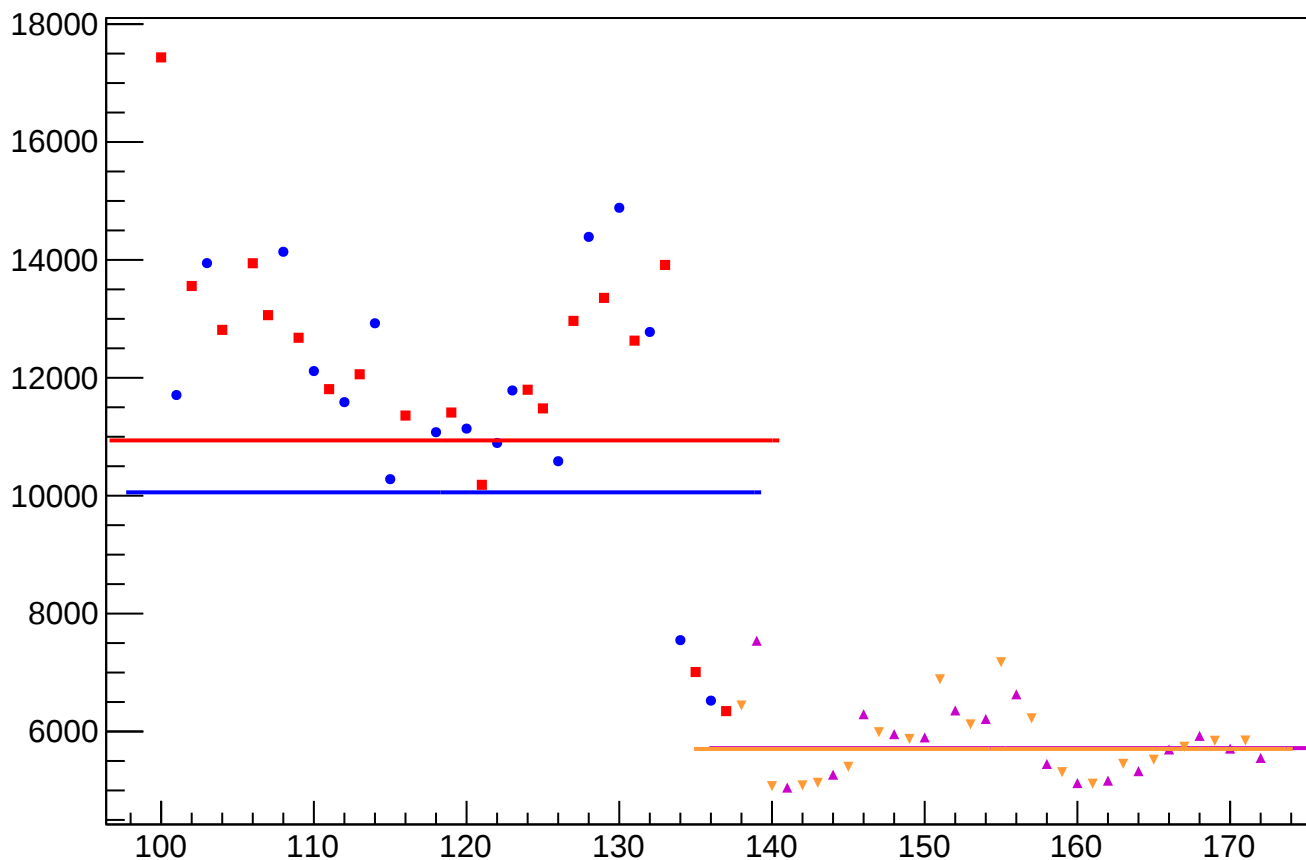
Right: -0.153 ± 2.935 χ^2/NDF : 39.6/35

In: 0.875 ± 1.474 χ^2/NDF : 45.4/33

Out: 6.032 ± 1.466 χ^2/NDF : 74.3/36

All: 3.468 ± 1.039 χ^2/NDF : 125.8/70

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 10056.991 $\pm$ 2.885 χ^2 /NDF: 1002872.6/16

Left Out: 5704.134 $\pm$ 1.105 χ^2 /NDF: 249969.0/17

Right Out: 10937.573 $\pm$ 2.987 χ^2 /NDF: 762909.5/18

Left In: 5718.526 $\pm$ 1.118 χ^2 /NDF: 253579.6/16

Left: 5711.247 $\pm$ 0.786 χ^2 /NDF: 503632.5/34

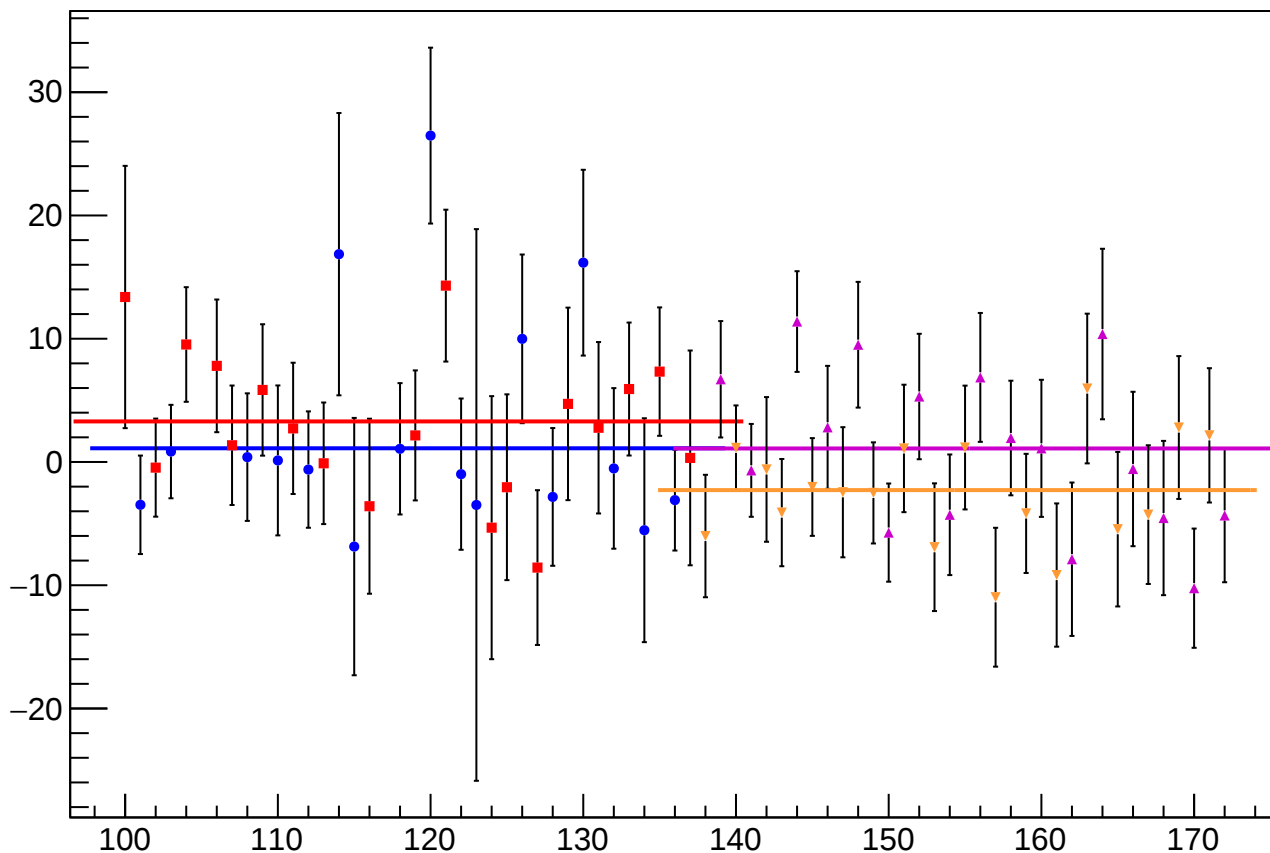
Right: 10481.996 $\pm$ 2.075 χ^2 /NDF: 1810742.6/35

In: 6284.875 $\pm$ 1.042 χ^2 /NDF: 3222475.7/33

Out: 6334.314 $\pm$ 1.037 χ^2 /NDF: 3712804.3/36

All: 6309.734 $\pm$ 0.735 χ^2 /NDF: 6936411.0/70

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: 1.112 ± 1.403 $\chi^2/\text{NDF}: 24.6/16$

Left Out: -2.282 ± 1.169 $\chi^2/\text{NDF}: 11.1/17$

Right Out: 3.290 ± 1.334 $\chi^2/\text{NDF}: 15.1/18$

Left In: 1.096 ± 1.206 $\chi^2/\text{NDF}: 28.2/16$

Left: -0.646 ± 0.840 $\chi^2/\text{NDF}: 43.3/34$

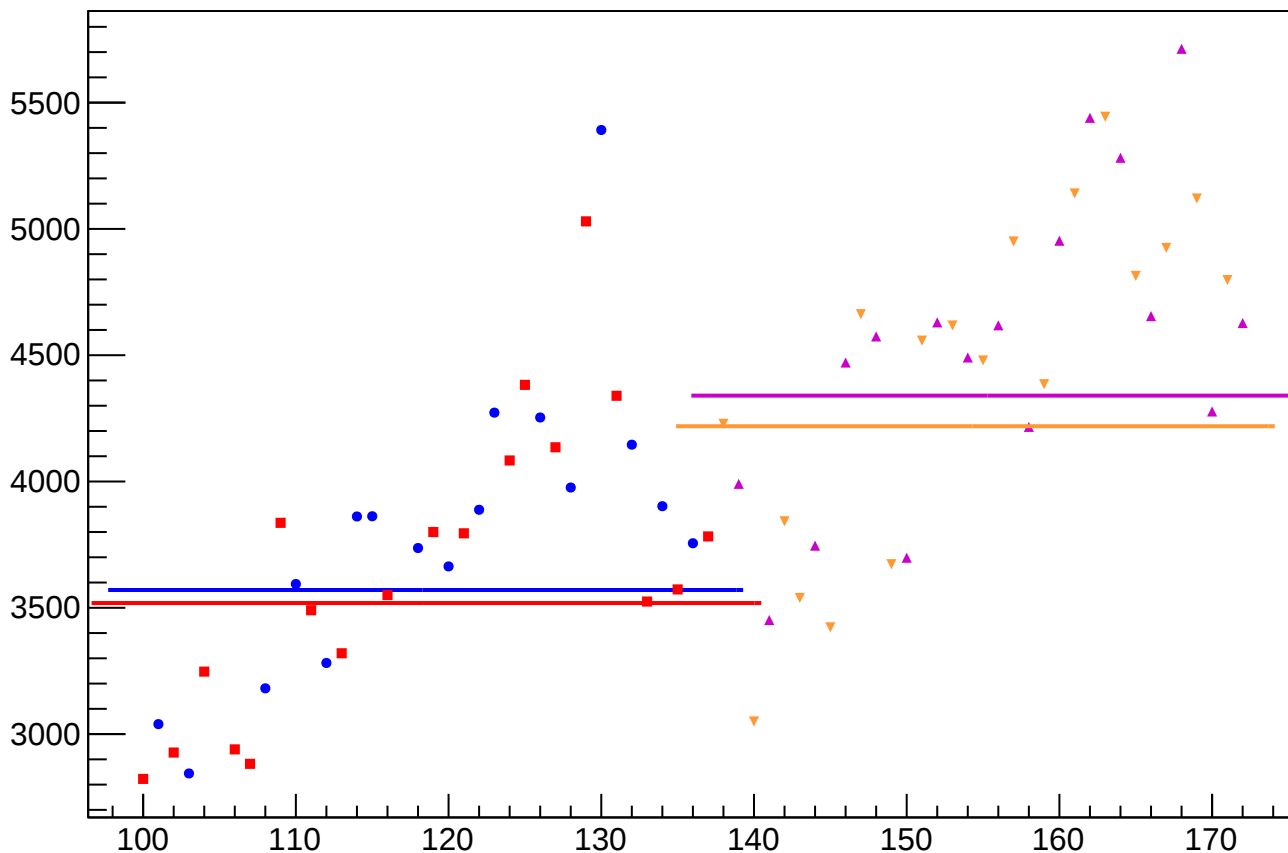
Right: 2.256 ± 0.967 $\chi^2/\text{NDF}: 40.9/35$

In: 1.103 ± 0.915 $\chi^2/\text{NDF}: 52.8/33$

Out: 0.140 ± 0.879 $\chi^2/\text{NDF}: 36.1/36$

All: 0.602 ± 0.634 $\chi^2/\text{NDF}: 89.4/70$

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 3570.481+/-0.992 χ^2/NDF : 309699.2/16

Left Out: 4218.852+/-0.827 χ^2/NDF : 732142.1/17

Right Out: 3518.886+/-0.943 χ^2/NDF : 293392.5/18

Left In: 4340.047+/-0.853 χ^2/NDF : 468609.8/16

Left: 4277.546+/-0.594 χ^2/NDF : 1211160.8/34

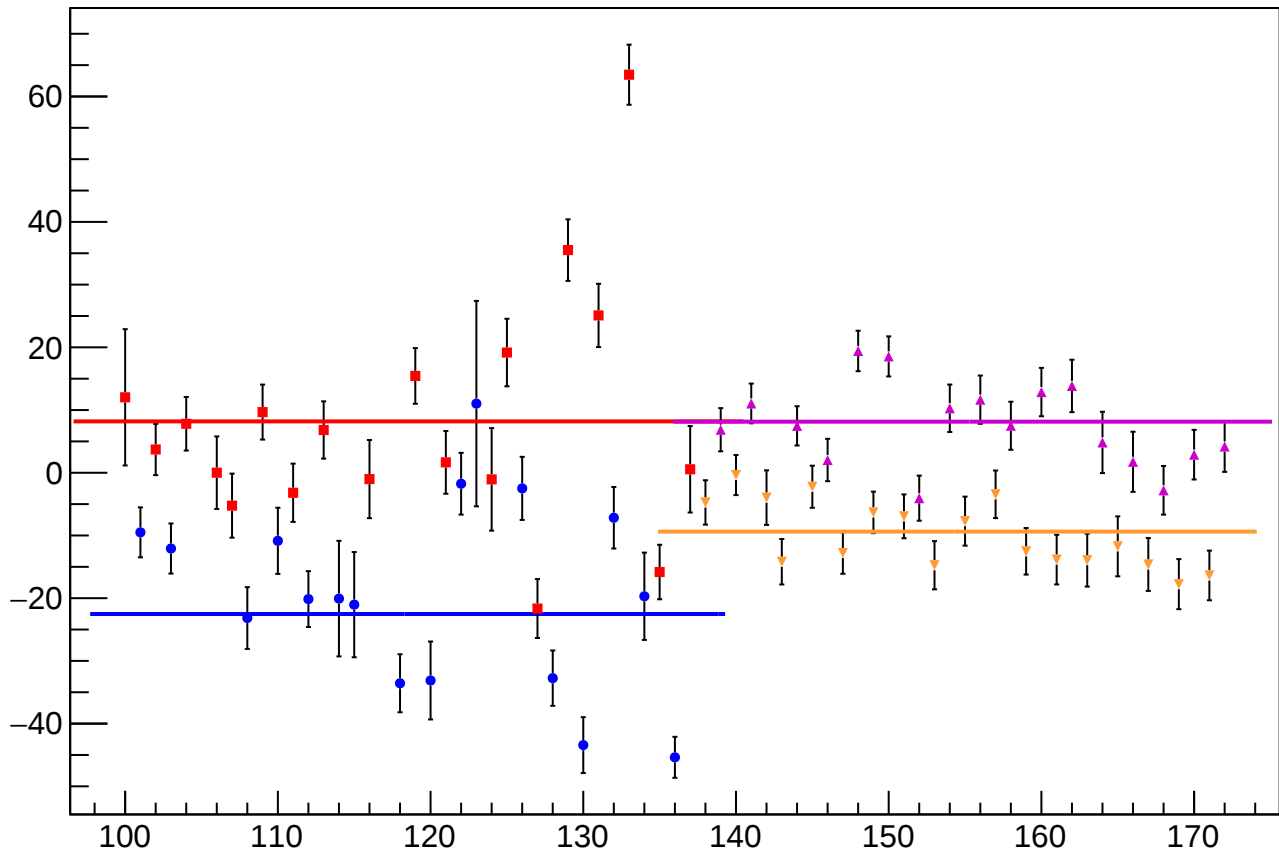
Right: 3543.379+/-0.683 χ^2/NDF : 604512.8/35

In: 4012.866+/-0.647 χ^2/NDF : 1124301.5/33

Out: 3914.681+/-0.622 χ^2/NDF : 1337079.4/36

All: 3961.827+/-0.448 χ^2/NDF : 2473360.0/70

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -22.526 ± 1.201 $\chi^2/\text{NDF}: 155.5/16$

Left Out: -9.382 ± 0.883 $\chi^2/\text{NDF}: 37.0/17$

Right Out: 8.192 ± 1.157 $\chi^2/\text{NDF}: 275.8/18$

Left In: 8.147 ± 0.894 $\chi^2/\text{NDF}: 56.1/16$

Left: -0.718 ± 0.628 $\chi^2/\text{NDF}: 287.7/34$

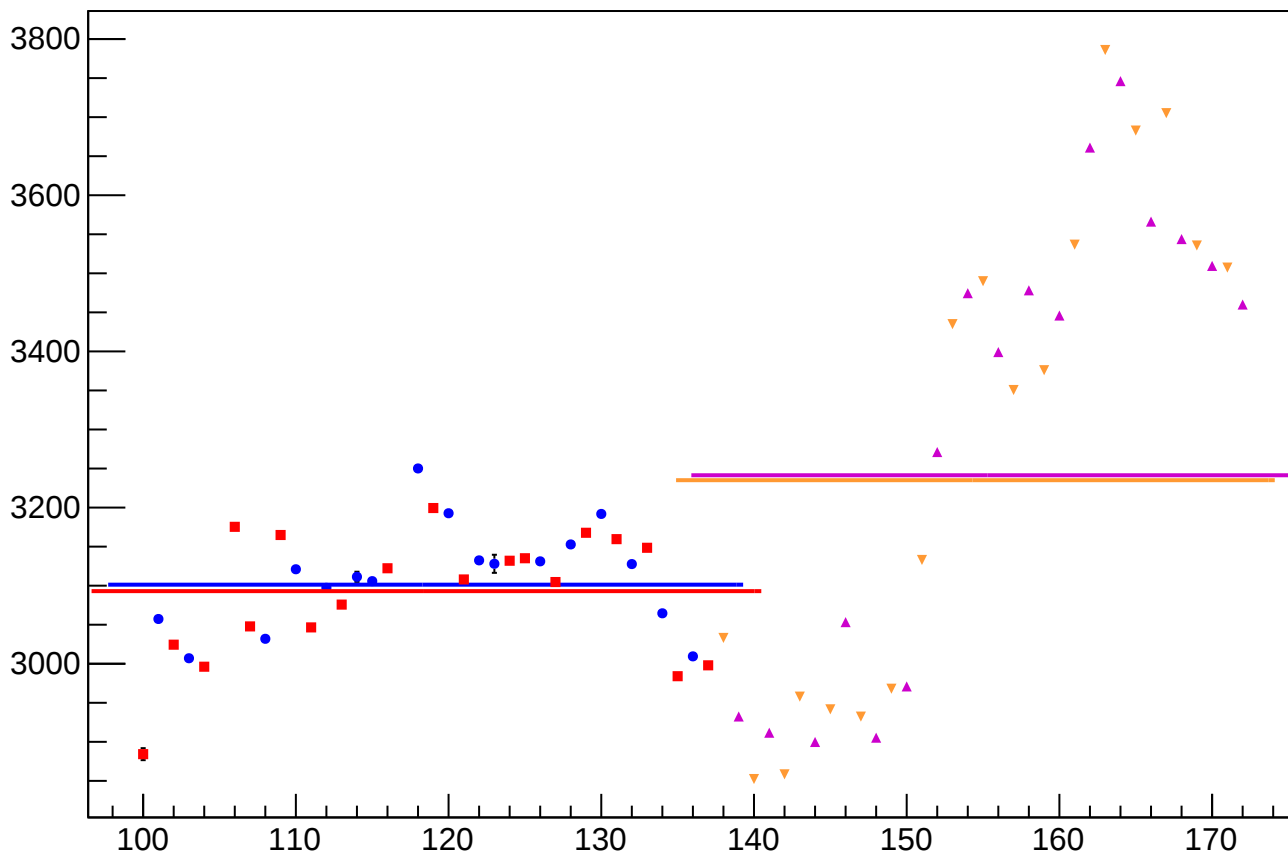
Right: -6.598 ± 0.833 $\chi^2/\text{NDF}: 770.8/35$

In: -2.789 ± 0.717 $\chi^2/\text{NDF}: 631.7/33$

Out: -2.909 ± 0.702 $\chi^2/\text{NDF}: 458.6/36$

All: -2.850 ± 0.502 $\chi^2/\text{NDF}: 1090.3/70$

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3101.270+/-0.849 χ^2/NDF : 7233.8/16

Left Out: 3235.071+/-0.625 χ^2/NDF : 236197.4/17

Right Out: 3092.993+/-0.818 χ^2/NDF : 7766.0/18

Left In: 3241.398+/-0.632 χ^2/NDF : 206063.5/16

Left: 3238.198+/-0.444 χ^2/NDF : 442311.6/34

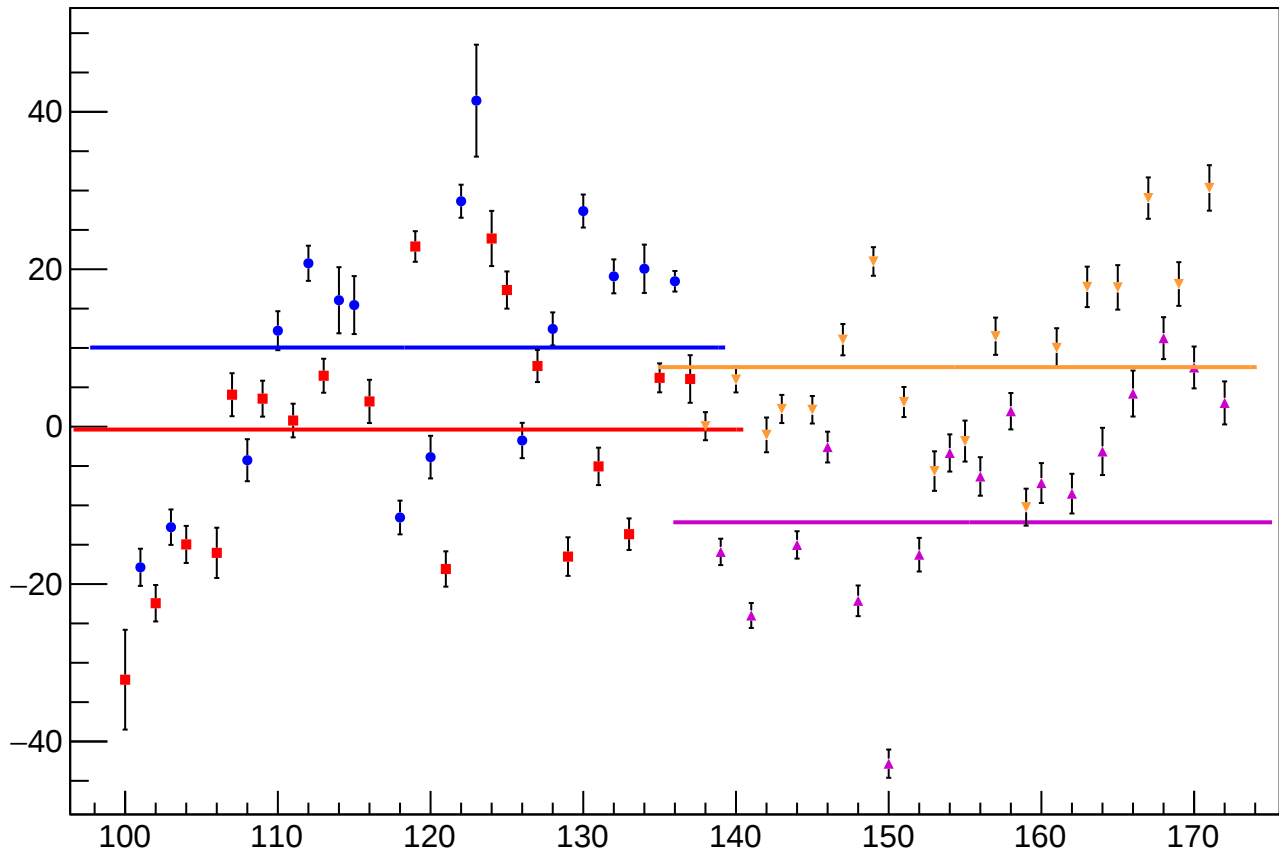
Right: 3096.979+/-0.589 χ^2/NDF : 15049.1/35

In: 3191.438+/-0.507 χ^2/NDF : 230830.3/33

Out: 3182.739+/-0.496 χ^2/NDF : 263017.4/36

All: 3186.998+/-0.355 χ^2/NDF : 493998.0/70

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 10.055+/-0.562 χ^2/NDF : 692.2/16

Left Out: 7.563+/-0.509 χ^2/NDF : 389.0/17

Right Out: -0.367+/-0.547 χ^2/NDF : 629.8/18

Left In: -12.150+/-0.525 χ^2/NDF : 675.0/16

Left: -1.993+/-0.365 χ^2/NDF : 1790.8/34

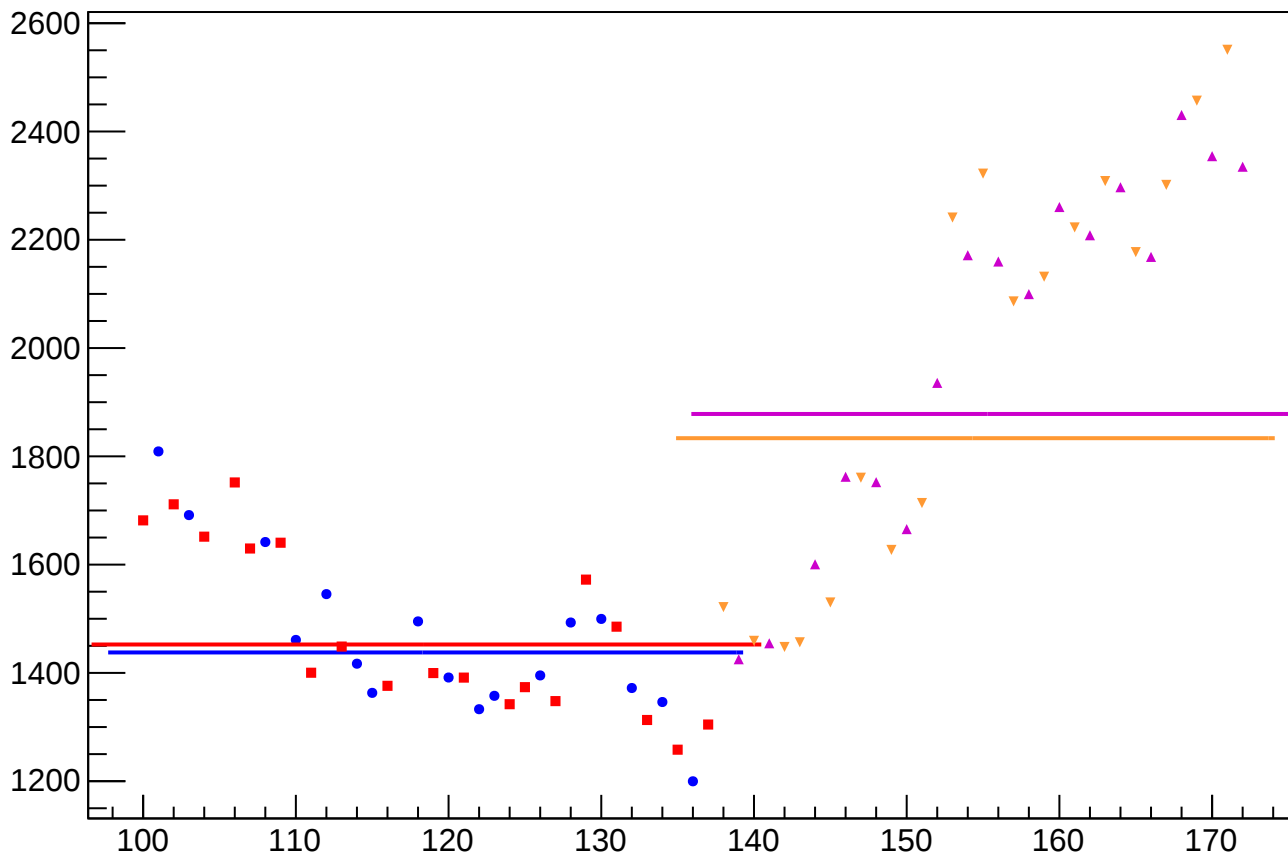
Right: 4.707+/-0.392 χ^2/NDF : 1498.8/35

In: -1.798+/-0.383 χ^2/NDF : 2201.6/33

Out: 3.882+/-0.373 χ^2/NDF : 1131.4/36

All: 1.123+/-0.267 χ^2/NDF : 3445.9/70

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1437.776 ± 0.397 $\chi^2/\text{NDF}: 173216.2/16$

Left Out: 1833.531 ± 0.360 $\chi^2/\text{NDF}: 1024312.7/17$

Right Out: 1452.469 ± 0.387 $\chi^2/\text{NDF}: 138605.8/18$

Left In: 1878.258 ± 0.371 $\chi^2/\text{NDF}: 805086.7/16$

Left: 1855.213 ± 0.258 $\chi^2/\text{NDF}: 1836882.3/34$

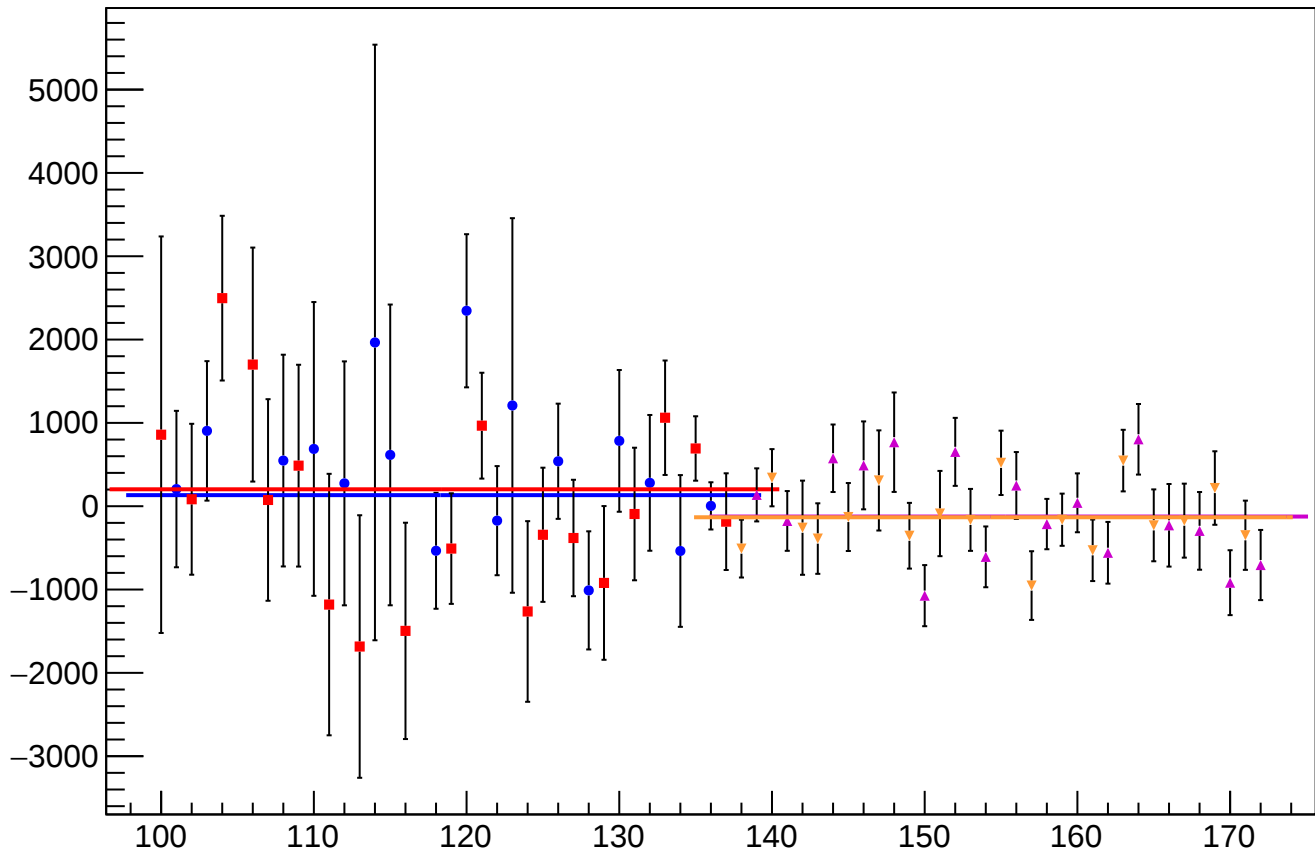
Right: 1445.316 ± 0.277 $\chi^2/\text{NDF}: 312524.3/35$

In: 1672.912 ± 0.271 $\chi^2/\text{NDF}: 1634977.8/33$

Out: 1656.663 ± 0.264 $\chi^2/\text{NDF}: 1682977.4/36$

All: 1664.556 ± 0.189 $\chi^2/\text{NDF}: 3319801.9/70$

asym_sam1_mean vs Slug, Sign Corrected



Right In: 132.921 $\pm$ 180.271 χ^2 /NDF: 12.9/16

Left Out: -132.669 $\pm$ 95.086 χ^2 /NDF:16.7/17

Right Out: 203.062 $\pm$ 184.353 χ^2 /NDF: 21.4/18

Left In: -124.005 $\pm$ 95.342 χ^2 /NDF:32.9/16

Left: -128.349 $\pm$ 67.326 χ^2 /NDF: 49.6/34

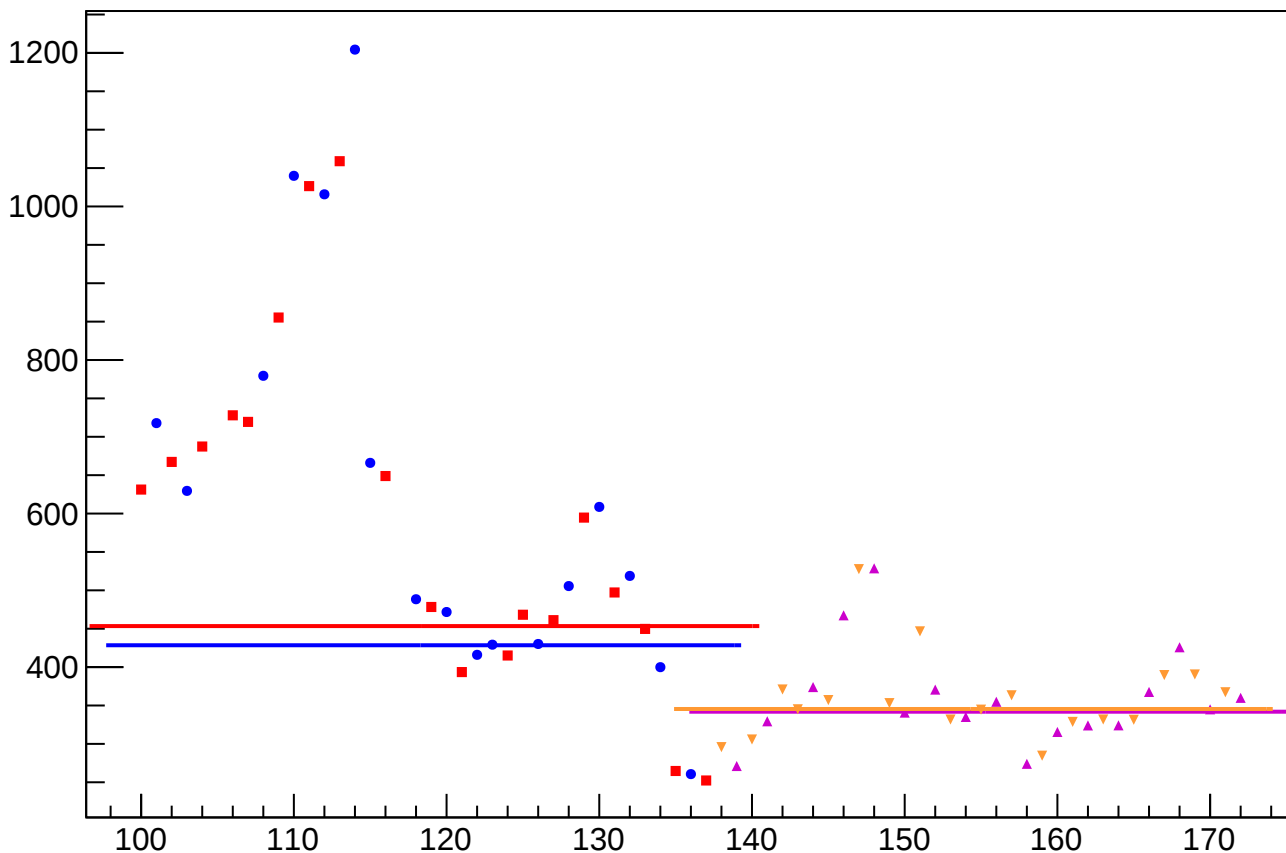
Right: 167.206 $\pm$ 128.890 χ^2 /NDF: 34.4/35

In: -67.847 $\pm$ 84.280 χ^2 /NDF:47.4/33

Out: -62.122 $\pm$ 84.507 χ^2 /NDF:40.8/36

All: -64.992 $\pm$ 59.675 χ^2 /NDF: 88.1/70

asym_sam1_rms vs Slug, Sign Corrected



Right In: 428.460+/-0.127 χ^2/NDF : 2011453.8/16

Left Out: 345.444+/-0.067 χ^2/NDF :473067.3/17

Right Out: 453.435+/-0.130 χ^2/NDF : 2029813.8/18

Left In: 341.914+/-0.067 χ^2/NDF :629689.1/16

Left: 343.684+/-0.048 χ^2/NDF : 1104131.3/34

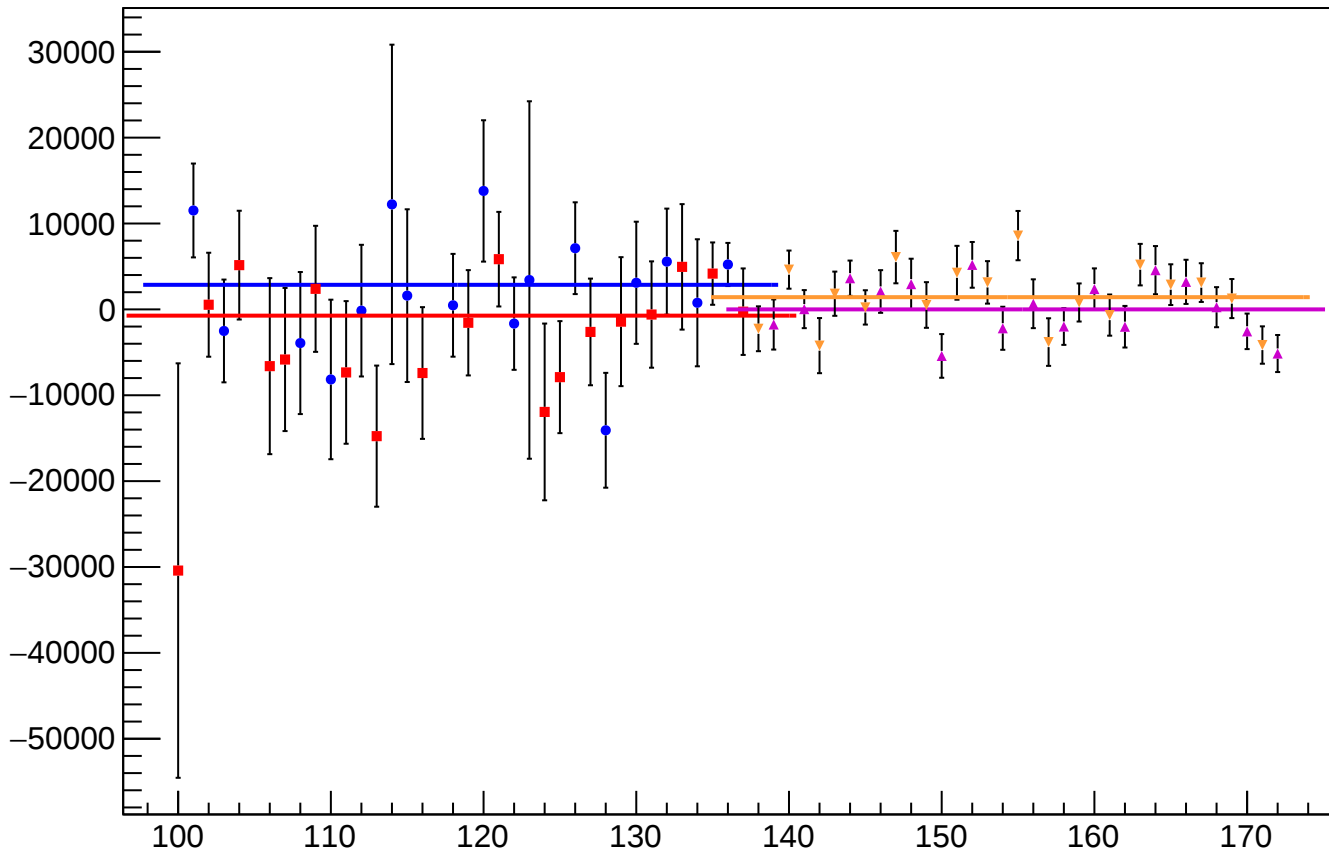
Right: 440.668+/-0.091 χ^2/NDF : 4060031.3/35

In: 360.831+/-0.060 χ^2/NDF :3001362.0/33

Out: 368.136+/-0.060 χ^2/NDF :3044958.6/36

All: 364.474+/-0.042 χ^2/NDF : 6053814.2/70

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2859.622+/-1447.884 χ^2/NDF : 16.7/16

Left Out: 1422.476+/-583.177 χ^2/NDF : 31.9/17

Right Out: -729.571+/-1509.224 χ^2/NDF : 14.0/18

Left In: -1.320+/-588.864 χ^2/NDF : 28.3/16

Left: 717.486+/-414.364 χ^2/NDF : 63.1/34

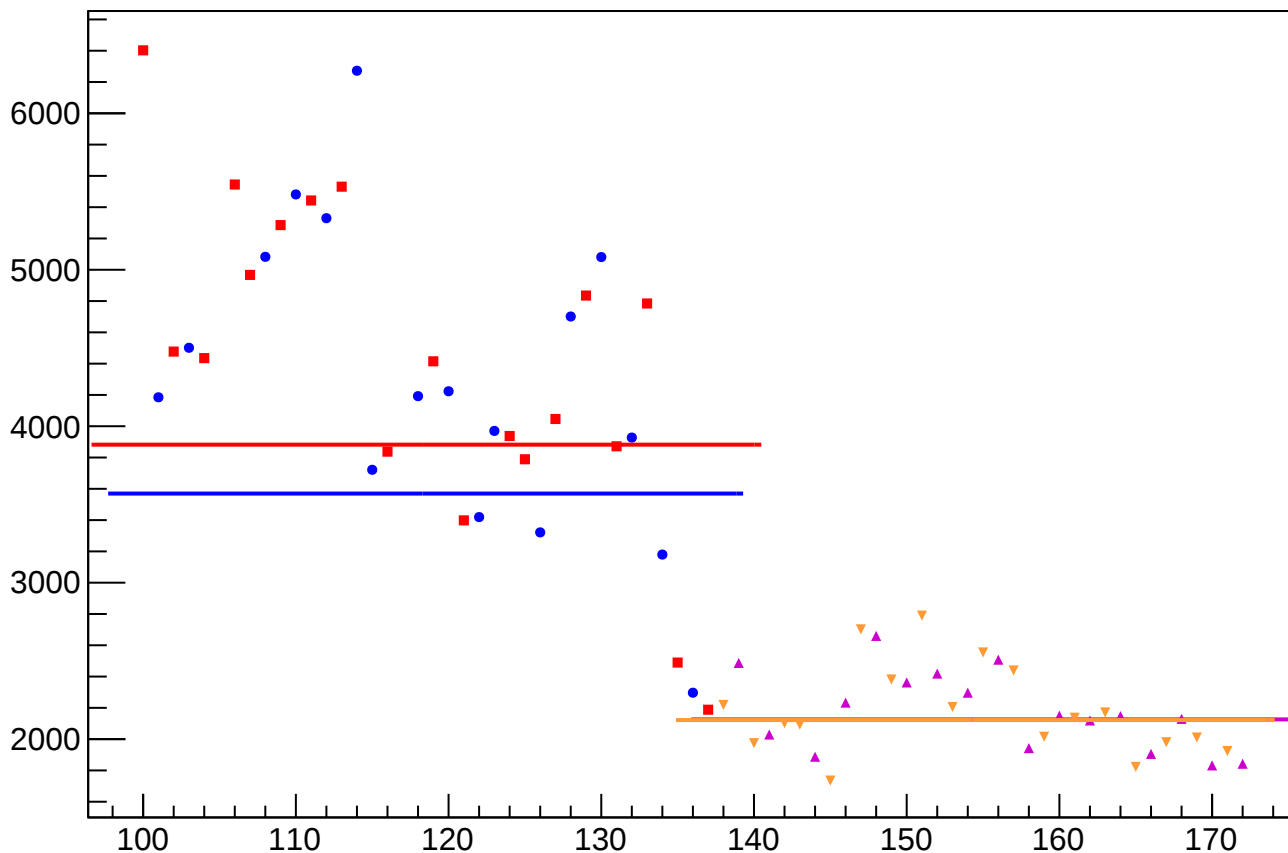
Right: 1139.446+/-1044.821 χ^2/NDF : 33.6/35

In: 404.742+/-545.476 χ^2/NDF : 48.3/33

Out: 1142.895+/-543.978 χ^2/NDF : 47.7/36

All: 774.834+/-385.179 χ^2/NDF : 96.9/70

asym_sam2_rms vs Slug, Sign Corrected



Right In: 3569.631+/-1.024 χ^2/NDF : 1087935.4/16

Left Out: 2121.953+/-0.412 χ^2/NDF : 408973.3/17

Right Out: 3882.169+/-1.067 χ^2/NDF : 983087.5/18

Left In: 2126.253+/-0.416 χ^2/NDF : 321508.2/16

Left: 2124.083+/-0.293 χ^2/NDF : 730535.4/34

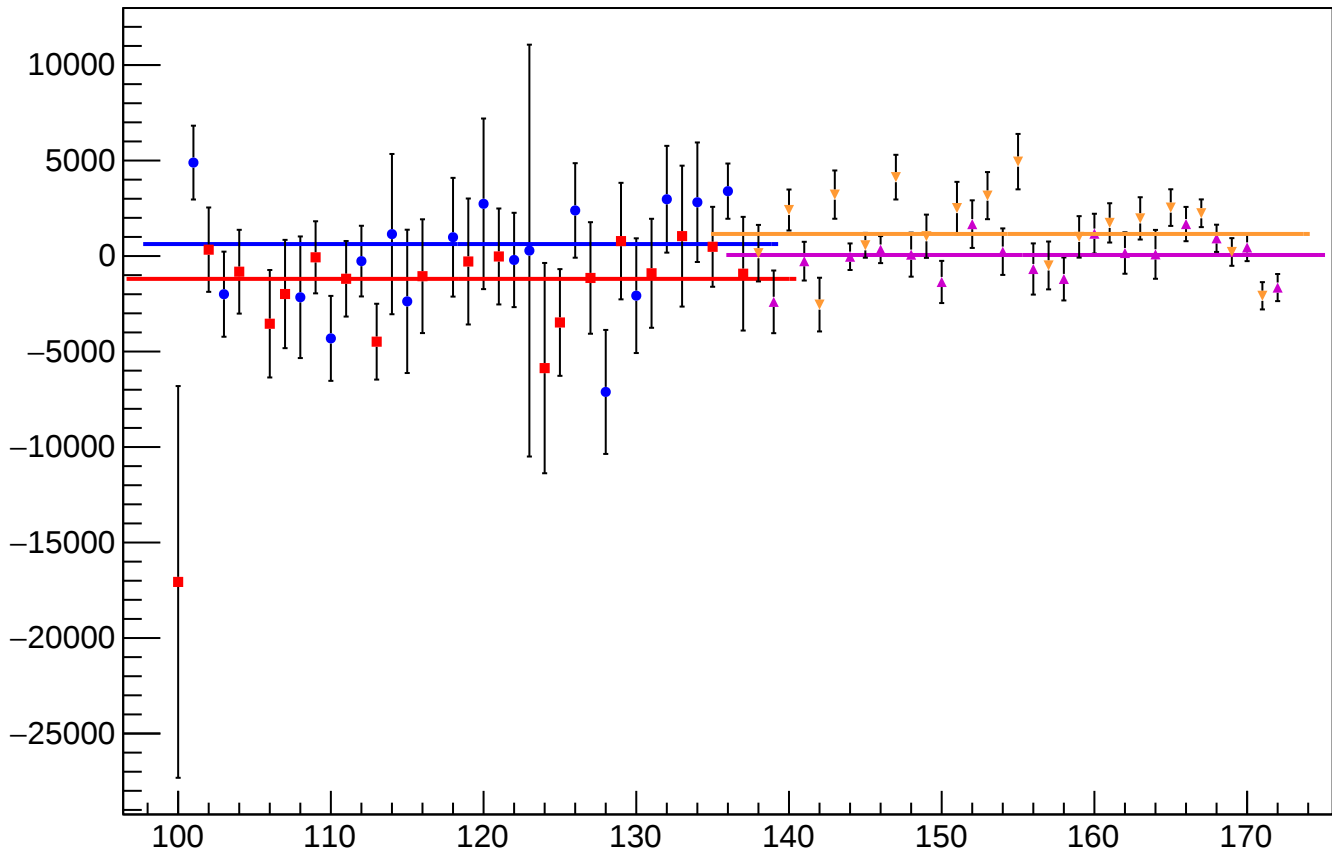
Right: 3719.420+/-0.739 χ^2/NDF : 2115685.3/35

In: 2331.116+/-0.386 χ^2/NDF : 3114912.8/33

Out: 2350.630+/-0.385 χ^2/NDF : 3759159.4/36

All: 2340.900+/-0.272 χ^2/NDF : 6875355.3/70

asym_sam3_mean vs Slug, Sign Corrected



Right In: 627.655 $\pm$ 620.929 χ^2/NDF : 25.1/16

Left Out: 1156.794 $\pm$ 235.098 χ^2/NDF : 58.3/17

Right Out: -1195.385 $\pm$ 603.058 χ^2/NDF : 9.9/18

Left In: 55.299 $\pm$ 228.356 χ^2/NDF : 19.4/16

Left: 590.025 $\pm$ 163.804 χ^2/NDF : 89.0/34

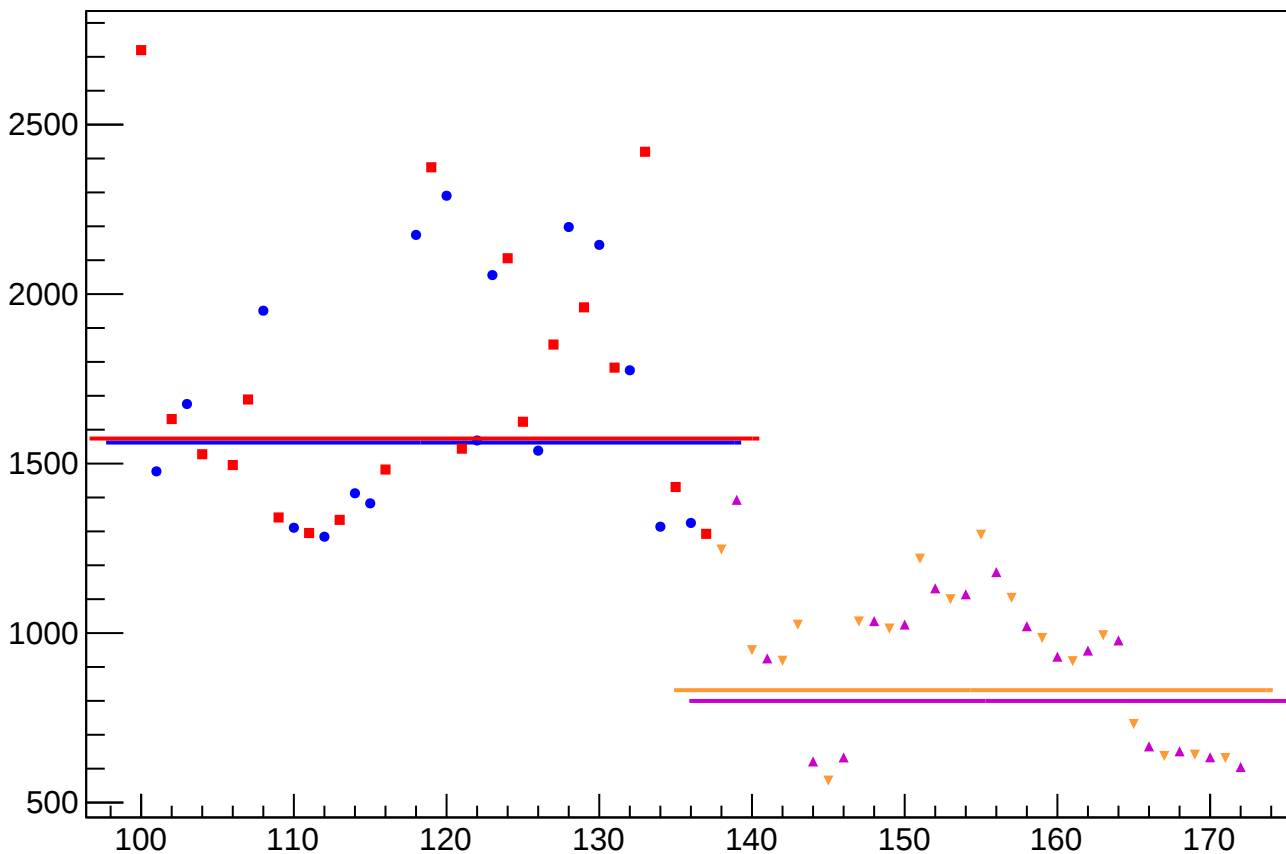
Right: -310.478 $\pm$ 432.606 χ^2/NDF : 39.4/35

In: 123.488 $\pm$ 214.322 χ^2/NDF : 45.2/33

Out: 846.476 $\pm$ 219.042 χ^2/NDF : 81.4/36

All: 477.108 $\pm$ 153.190 χ^2/NDF : 132.2/70

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1562.101 ± 0.439 $\chi^2/\text{NDF}: 482088.3/16$

Left Out: 831.573 ± 0.166 $\chi^2/\text{NDF}: 1789776.1/17$

Right Out: 1573.906 ± 0.426 $\chi^2/\text{NDF}: 463991.4/18$

Left In: 799.773 ± 0.161 $\chi^2/\text{NDF}: 1713544.7/16$

Left: 815.211 ± 0.116 $\chi^2/\text{NDF}: 3522149.1/34$

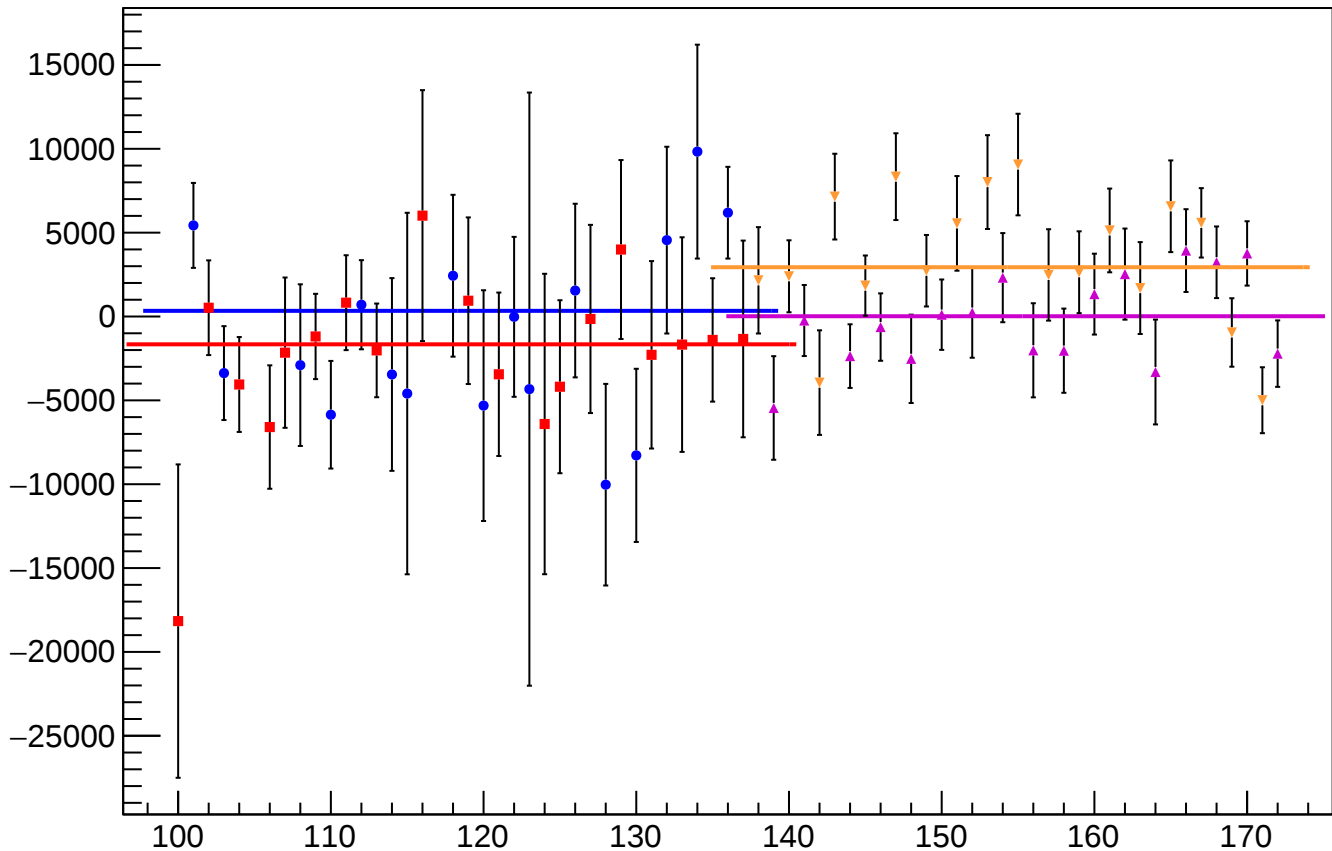
Right: 1568.176 ± 0.306 $\chi^2/\text{NDF}: 946451.6/35$

In: 890.595 ± 0.152 $\chi^2/\text{NDF}: 4851082.0/33$

Out: 929.508 ± 0.155 $\chi^2/\text{NDF}: 4884431.9/36$

All: 909.627 ± 0.108 $\chi^2/\text{NDF}: 9767761.0/70$

asym_sam4_mean vs Slug, Sign Corrected



Left: 1469.708 $\pm$ 402.049 χ^2/NDF : 78.1/34

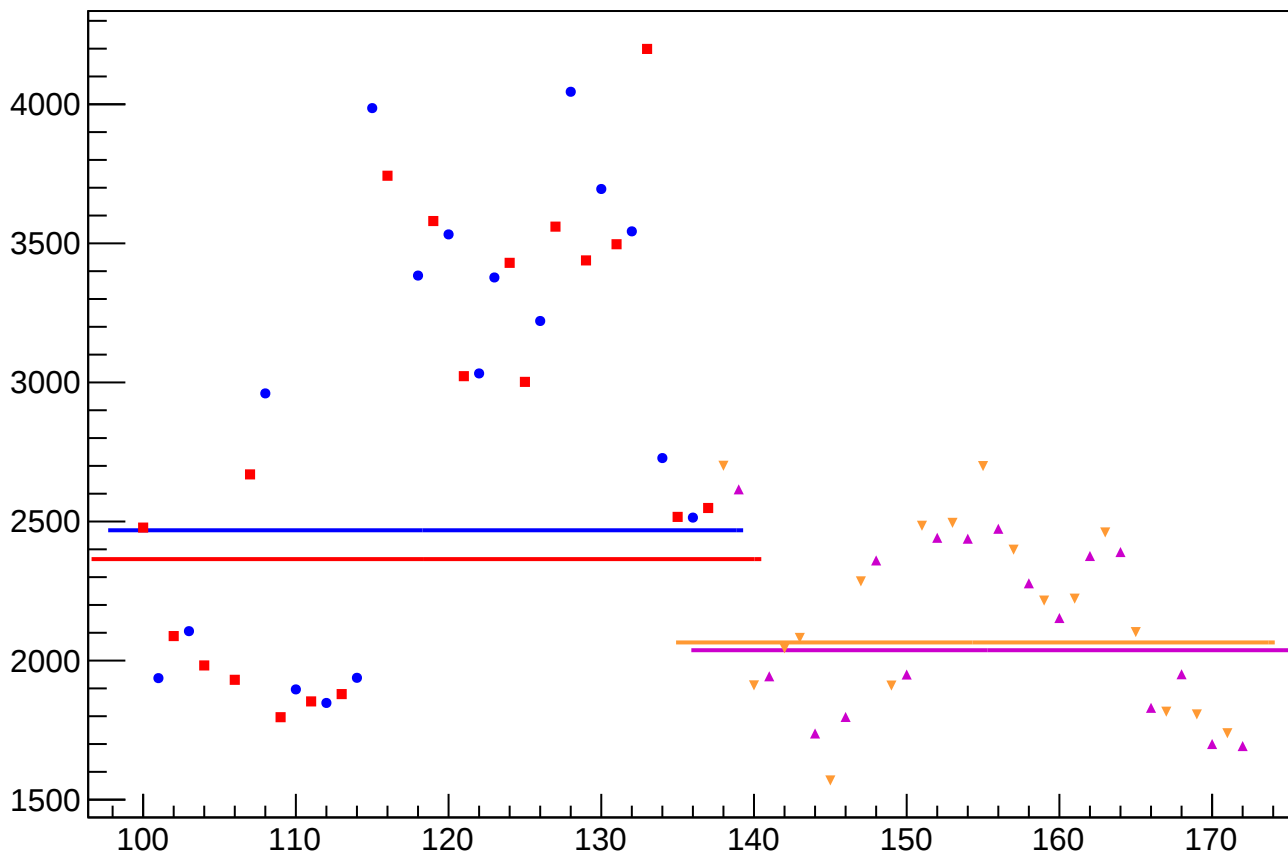
Right: -734.084 $\pm$ 677.520 χ^2/NDF : 37.2/35

In: 94.897 $\pm$ 492.784 χ^2/NDF : 44.7/33

Out: 1672.336 $\pm$ 485.246 χ^2/NDF : 73.2/36

All: 895.773 $\pm$ 345.755 χ^2/NDF : 123.1/70

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2468.489 $\pm$ 0.704 χ^2 /NDF: 896153.6/16

Left Out: 2065.232 $\pm$ 0.403 χ^2 /NDF: 651407.6/17

Right Out: 2364.833 $\pm$ 0.654 χ^2 /NDF: 1025161.0/18

Left In: 2037.284 $\pm$ 0.401 χ^2 /NDF: 544325.7/16

Left: 2051.183 $\pm$ 0.284 χ^2 /NDF: 1198149.4/34

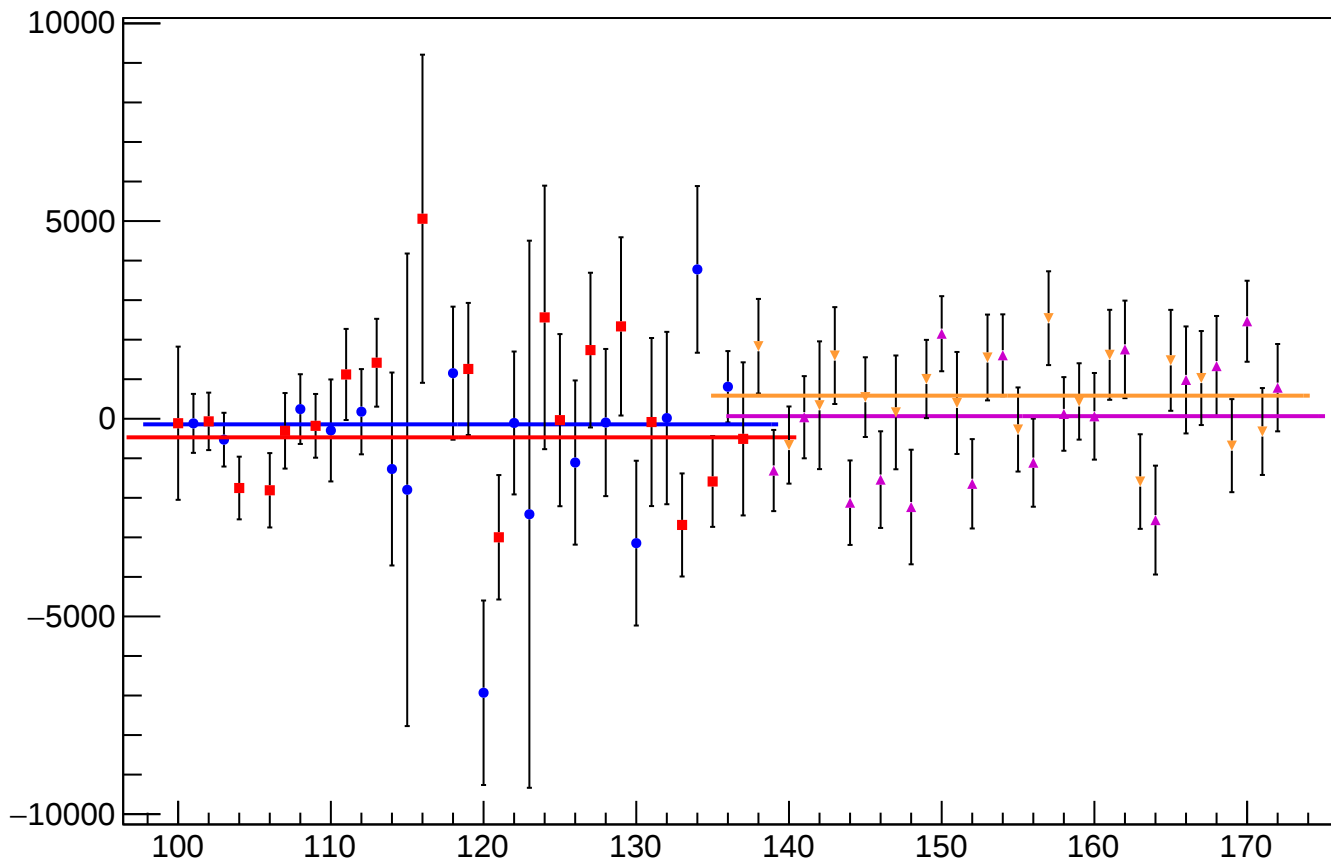
Right: 2412.813 $\pm$ 0.479 χ^2 /NDF: 1932953.4/35

In: 2142.872 $\pm$ 0.348 χ^2 /NDF: 1723644.6/33

Out: 2147.778 $\pm$ 0.343 χ^2 /NDF: 1828754.5/36

All: 2145.363 $\pm$ 0.244 χ^2 /NDF: 3552499.8/70

asym_sam5_mean vs Slug, Sign Corrected



Right In: -141.213 ± 313.319 $\chi^2/\text{NDF}: 16.9/16$

Left Out: 584.163 ± 269.731 $\chi^2/\text{NDF}: 14.5/17$

Right Out: -470.143 ± 282.892 $\chi^2/\text{NDF}: 22.9/18$

Left In: 65.652 ± 270.797 $\chi^2/\text{NDF}: 33.6/16$

Left: 325.930 ± 191.104 $\chi^2/\text{NDF}: 49.9/34$

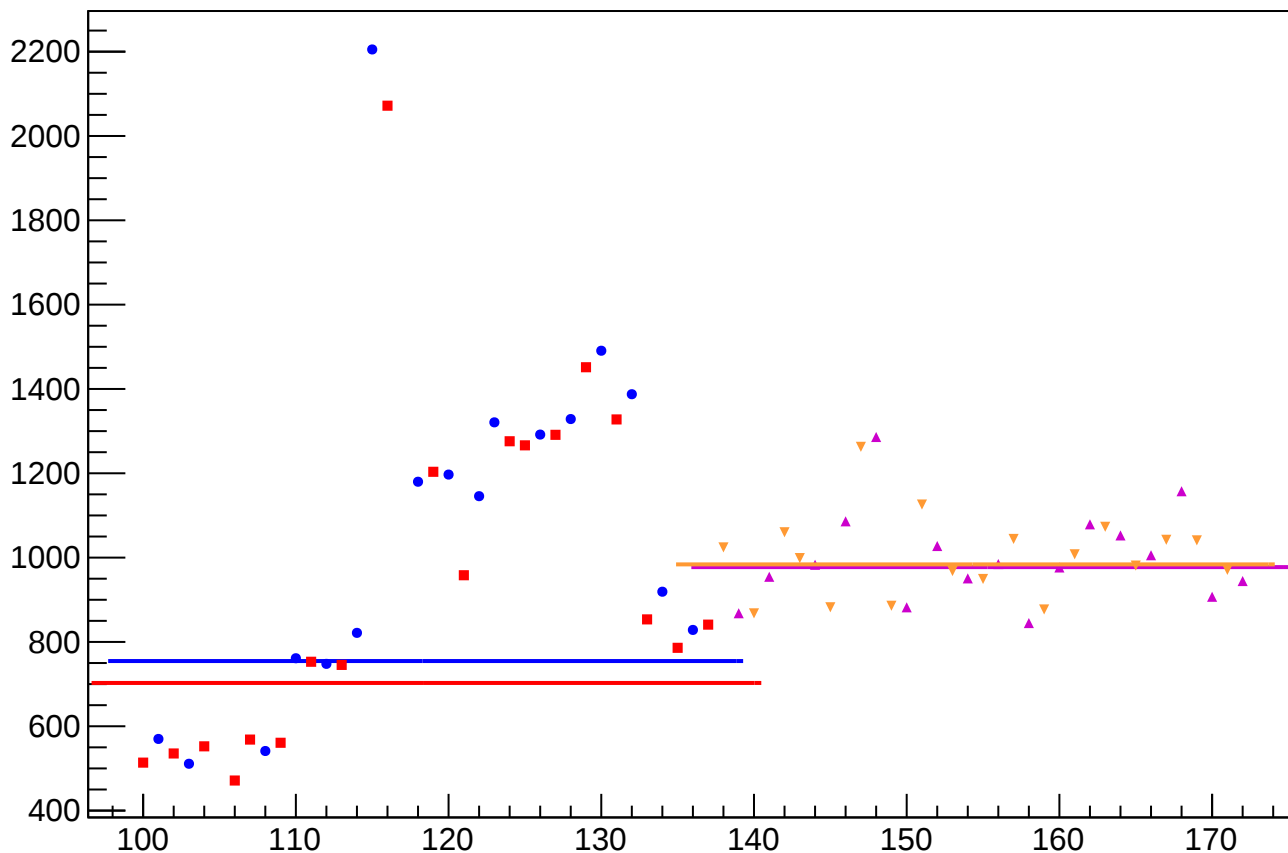
Right: -322.421 ± 209.970 $\chi^2/\text{NDF}: 40.5/35$

In: -22.800 ± 204.879 $\chi^2/\text{NDF}: 50.8/33$

Out: 82.105 ± 195.216 $\chi^2/\text{NDF}: 44.7/36$

All: 32.184 ± 141.331 $\chi^2/\text{NDF}: 95.6/70$

asym_sam5_rms vs Slug, Sign Corrected



Right In: 754.684 $\pm$ 0.222 χ^2 /NDF: 1690621.2/16

Left Out: 983.928 $\pm$ 0.191 χ^2 /NDF:228700.2/17

Right Out: 702.721 $\pm$ 0.200 χ^2 /NDF: 1691602.9/18

Left In: 977.464 $\pm$ 0.191 χ^2 /NDF:268198.4/16

Left: 980.709 $\pm$ 0.135 χ^2 /NDF: 497470.5/34

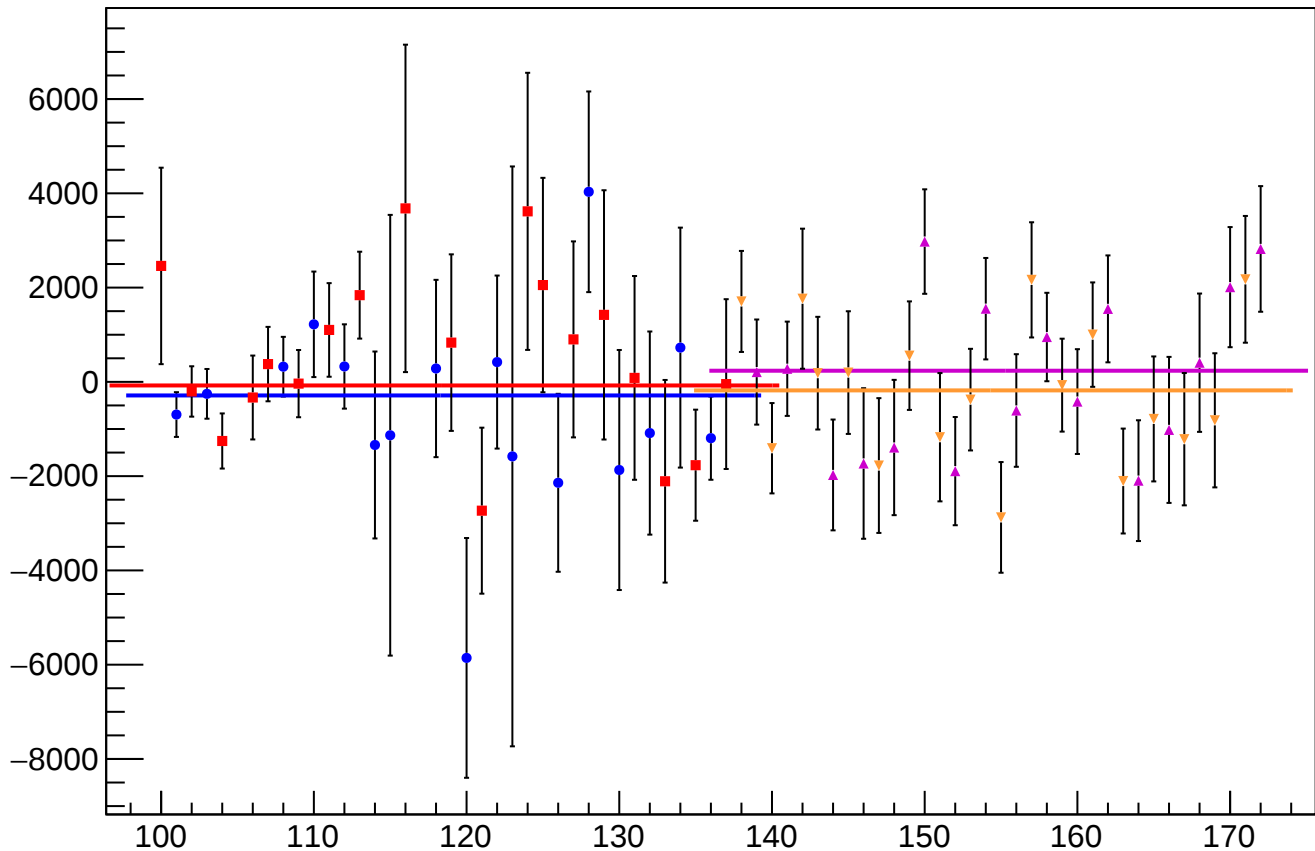
Right: 726.058 $\pm$ 0.148 χ^2 /NDF: 3412528.8/35

In: 882.206 $\pm$ 0.145 χ^2 /NDF:2537609.8/33

Out: 850.018 $\pm$ 0.138 χ^2 /NDF:2955459.1/36

All: 865.335 $\pm$ 0.100 χ^2 /NDF: 5518943.7/70

asym_sam6_mean vs Slug, Sign Corrected



Right In: -288.037 ± 250.436 $\chi^2/\text{NDF}: 16.2/16$

Left Out: -180.899 ± 282.629 $\chi^2/\text{NDF}: 26.0/17$

Right Out: -76.119 ± 246.083 $\chi^2/\text{NDF}: 21.4/18$

Left In: 236.423 ± 289.467 $\chi^2/\text{NDF}: 29.8/16$

Left: 22.775 ± 202.223 $\chi^2/\text{NDF}: 56.9/34$

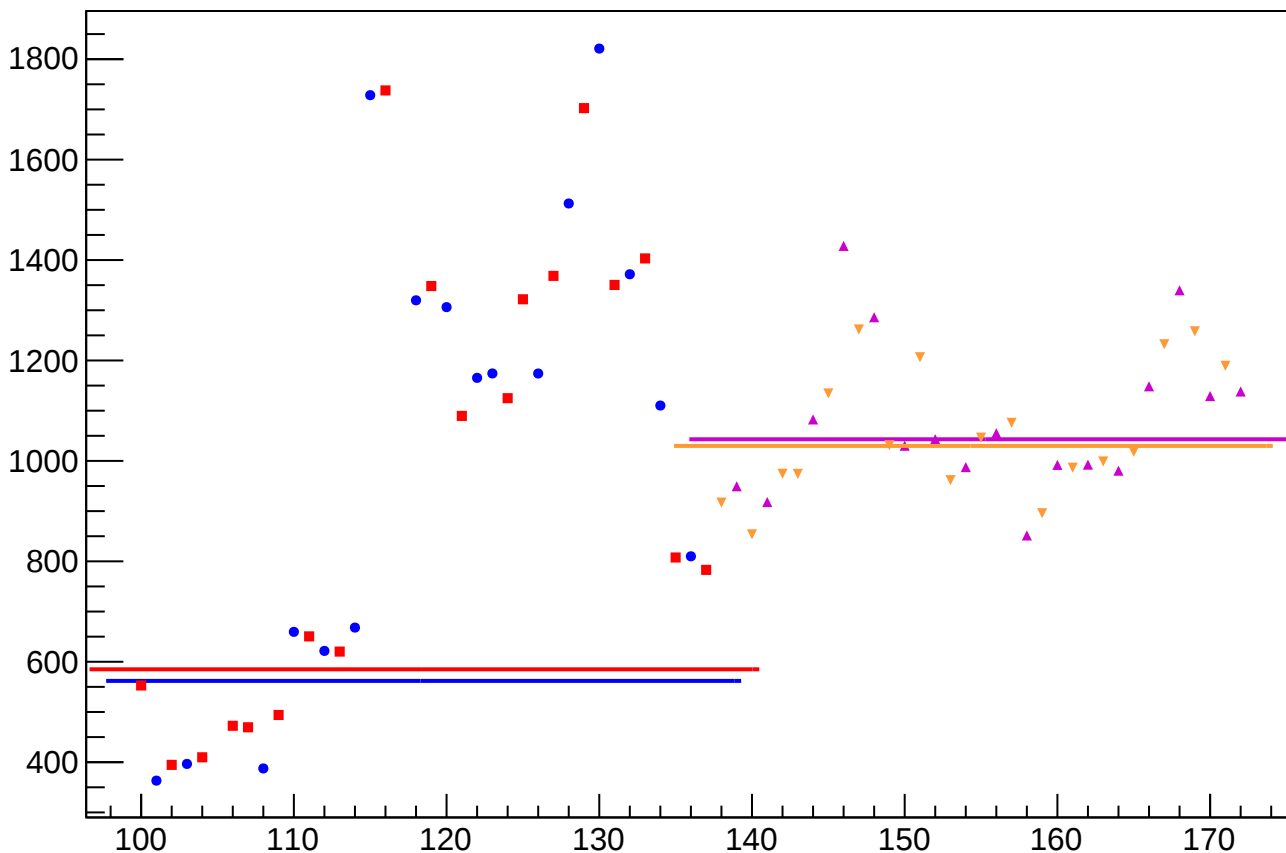
Right: -180.221 ± 175.526 $\chi^2/\text{NDF}: 37.9/35$

In: -63.525 ± 189.393 $\chi^2/\text{NDF}: 47.9/33$

Out: -121.301 ± 185.592 $\chi^2/\text{NDF}: 47.4/36$

All: -92.998 ± 132.557 $\chi^2/\text{NDF}: 95.3/70$

asym_sam6_rms vs Slug, Sign Corrected



Right In: 561.894 ± 0.177 χ^2/NDF : 3216651.3/16

Left Out: 1029.861 ± 0.200 χ^2/NDF : 370296.4/17

Right Out: 584.993 ± 0.174 χ^2/NDF : 2824449.5/18

Left In: 1043.070 ± 0.205 χ^2/NDF : 433634.0/16

Left: 1036.308 ± 0.143 χ^2/NDF : 806062.5/34

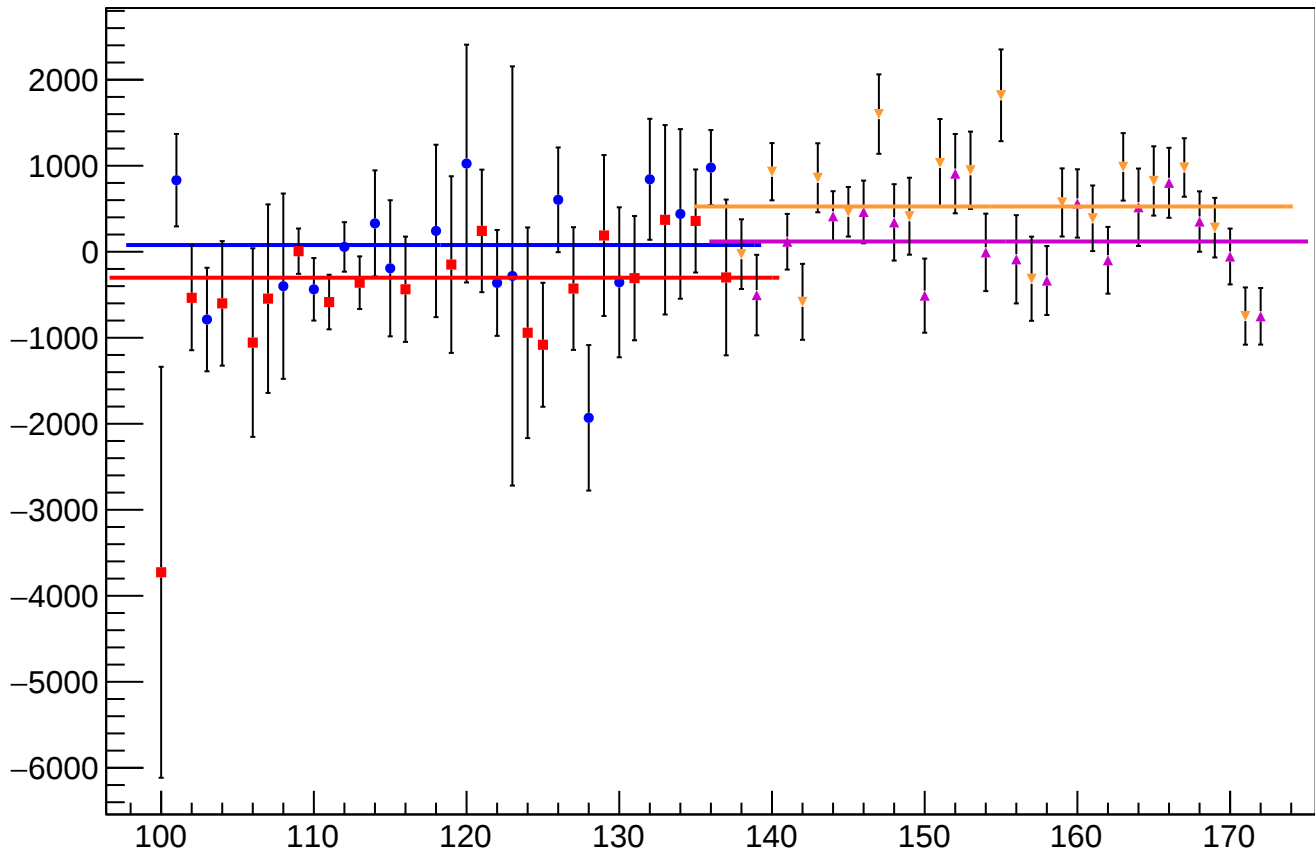
Right: 573.646 ± 0.124 χ^2/NDF : 6049757.3/35

In: 767.877 ± 0.134 χ^2/NDF : 6810915.8/33

Out: 776.823 ± 0.131 χ^2/NDF : 6013222.3/36

All: 772.440 ± 0.094 χ^2/NDF : 12826414.5/70

asym_sam7_mean vs Slug, Sign Corrected



Right In: 78.184 $\pm$ 142.869 χ^2 /NDF: 19.8/16

Left Out: 526.114 $\pm$ 92.624 χ^2 /NDF: 45.5/17

Right Out: -301.651 $\pm$ 129.650 χ^2 /NDF: 9.1/18

Left In: 119.328 $\pm$ 93.534 χ^2 /NDF: 23.4/16

Left: 324.710 $\pm$ 65.814 χ^2 /NDF: 78.5/34

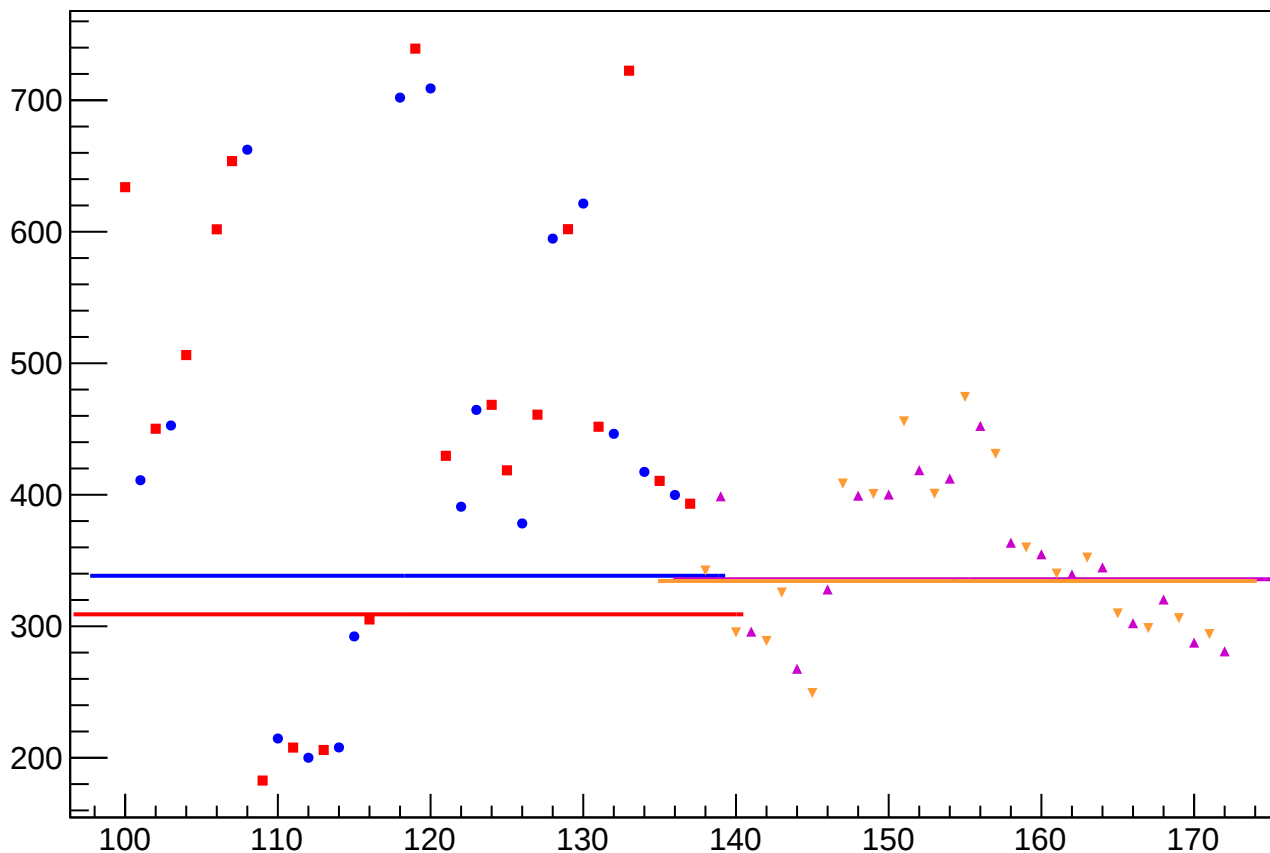
Right: -130.116 $\pm$ 96.010 χ^2 /NDF: 32.7/35

In: 106.984 $\pm$ 78.255 χ^2 /NDF: 43.2/33

Out: 246.397 $\pm$ 75.366 χ^2 /NDF: 81.6/36

All: 179.311 $\pm$ 54.285 χ^2 /NDF: 126.5/70

asym_sam7_rms vs Slug, Sign Corrected



Right In: 338.408 ± 0.101 χ^2/NDF : 2009287.1/16

Left Out: 334.450 ± 0.065 χ^2/NDF : 777417.7/17

Right Out: 309.081 ± 0.092 χ^2/NDF : 2733465.5/18

Left In: 335.777 ± 0.066 χ^2/NDF : 620078.7/16

Left: 335.107 ± 0.047 χ^2/NDF : 1397699.6/34

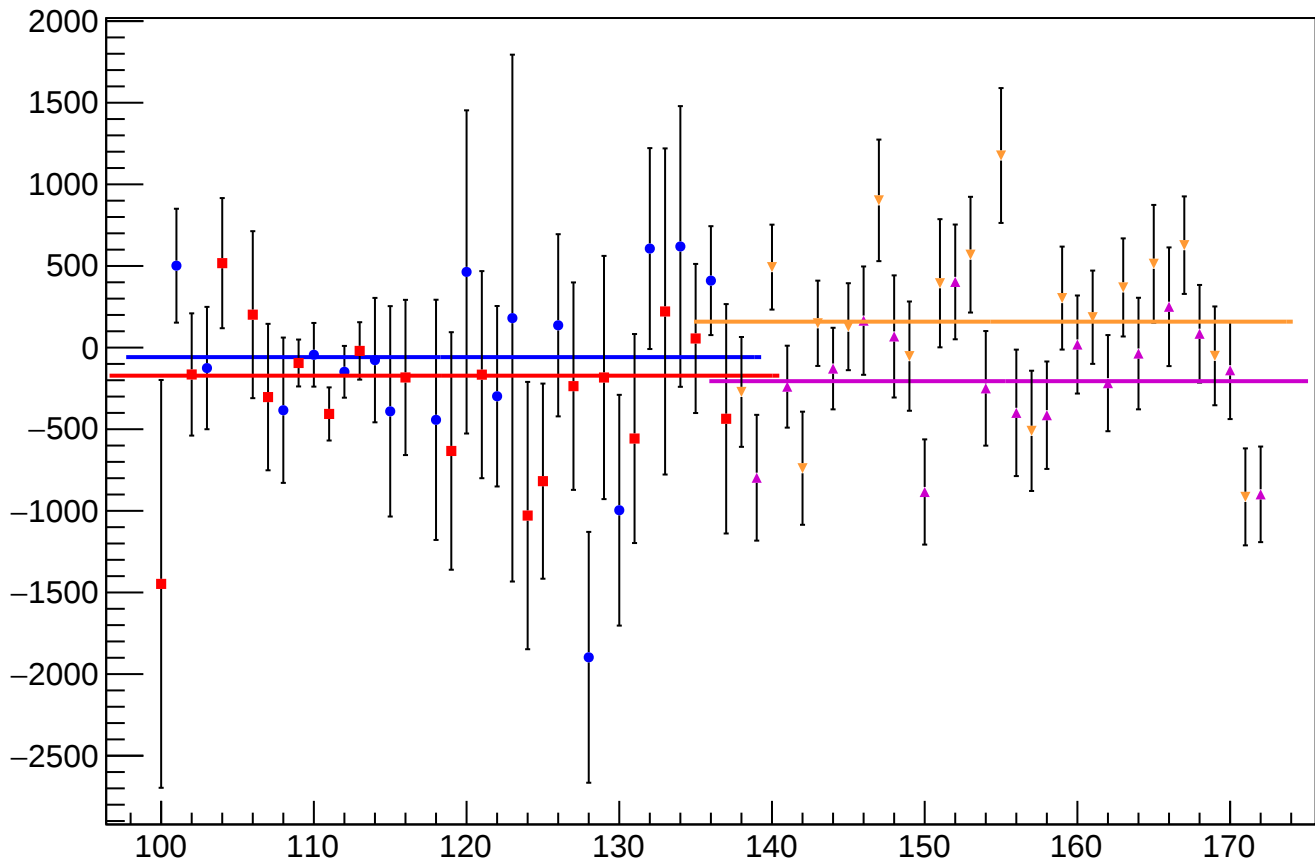
Right: 322.325 ± 0.068 χ^2/NDF : 4788966.2/35

In: 336.566 ± 0.055 χ^2/NDF : 2629840.3/33

Out: 325.878 ± 0.053 χ^2/NDF : 3561583.4/36

All: 331.021 ± 0.038 χ^2/NDF : 6210782.2/70

asym_sam8_mean vs Slug, Sign Corrected



Right In: -58.299+/-90.484 χ^2/NDF : 15.9/16

Left Out: 158.920+/-74.735 χ^2/NDF : 43.1/17

Right Out: -171.954+/-76.920 χ^2/NDF : 11.3/18

Left In: -205.606+/-76.839 χ^2/NDF : 21.3/16

Left: -18.284+/-53.574 χ^2/NDF : 76.0/34

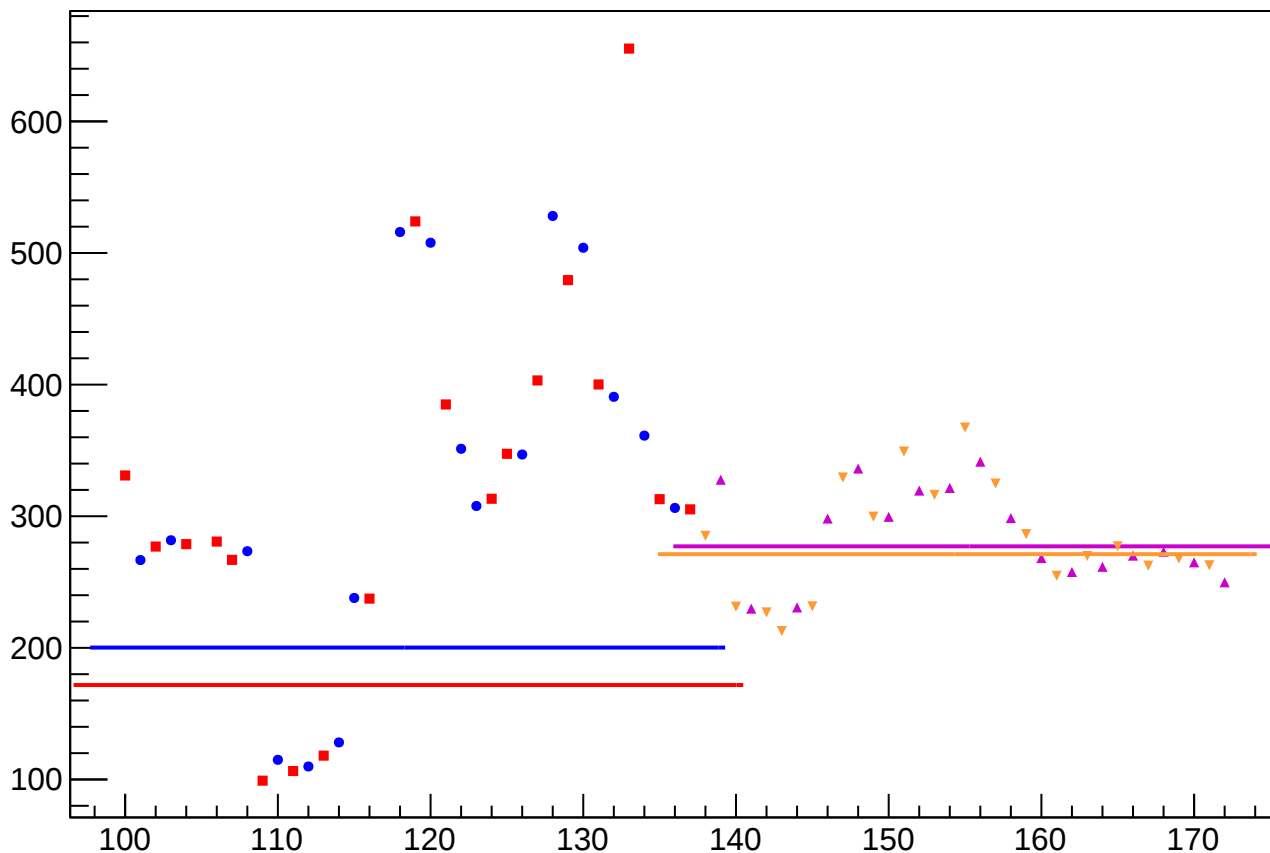
Right: -124.276+/-58.606 χ^2/NDF : 28.1/35

In: -143.886+/-58.570 χ^2/NDF : 38.7/33

Out: -1.751+/-53.601 χ^2/NDF : 64.0/36

All: -66.535+/-39.542 χ^2/NDF : 105.9/70

asym_sam8_rms vs Slug, Sign Corrected



Right In: 200.209+/-0.064 χ^2/NDF : 3387197.7/16

Left Out: 271.180+/-0.053 χ^2/NDF :568455.9/17

Right Out: 171.757+/-0.054 χ^2/NDF : 4093922.6/18

Left In: 277.124+/-0.054 χ^2/NDF :403541.0/16

Left: 274.070+/-0.038 χ^2/NDF : 978148.1/34

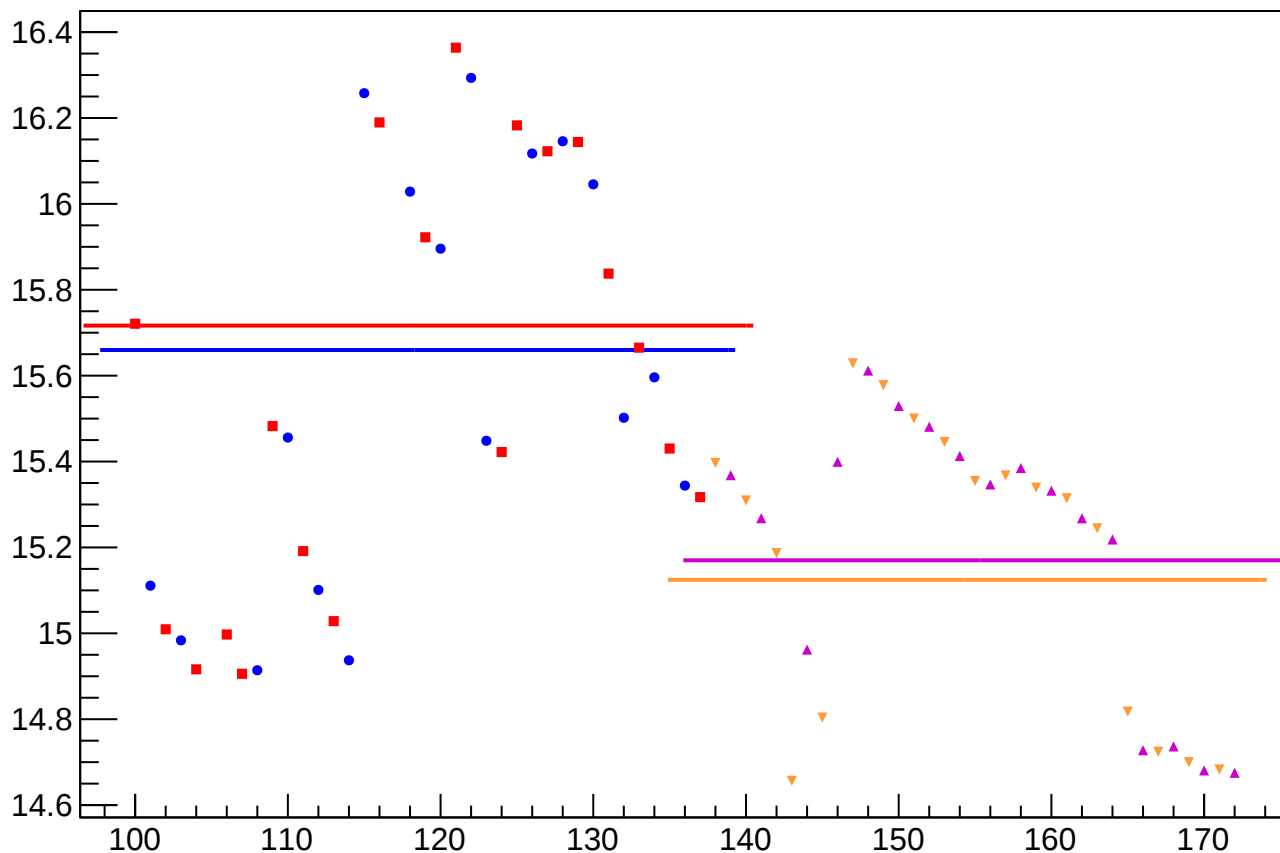
Right: 183.693+/-0.041 χ^2/NDF : 7595909.3/35

In: 244.898+/-0.041 χ^2/NDF :4630391.3/33

Out: 222.901+/-0.038 χ^2/NDF :6381201.0/36

All: 232.927+/-0.028 χ^2/NDF : 11165115.4/70

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.660+/-0.000

χ^2/NDF : 5782644553.5/16

Left: 15.147+/-0.000

χ^2/NDF : 22293135656.7/34

Left Out: 15.125+/-0.000

χ^2/NDF : 12131802372.0/17

Right: 15.686+/-0.000

χ^2/NDF : 11294352327.9/35

Right Out: 15.717+/-0.000

χ^2/NDF : 5461829475.3/18

In: 15.285+/-0.000

χ^2/NDF : 21901392556.2/33

Out: 15.245+/-0.000

χ^2/NDF : 25653092937.2/36

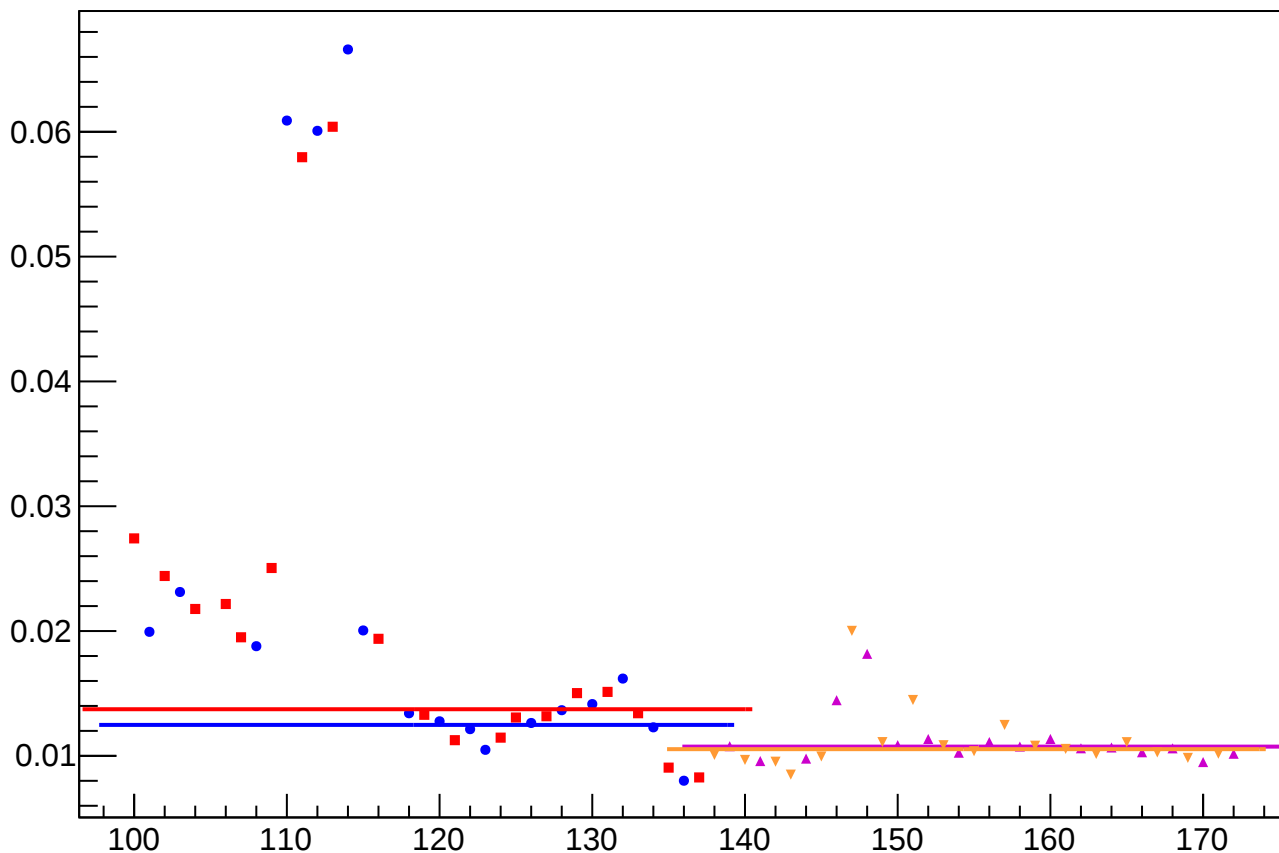
Left In: 15.170+/-0.000

χ^2/NDF : 10047364236.9/16

All: 15.265+/-0.000

χ^2/NDF : 47668994230.9

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 2152911.4/16

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF:601741.7/17

Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 2077569.4/18

Left In: 0.011 $\pm$ 0.000 χ^2 /NDF:438633.5/16

Left: 0.011 $\pm$ 0.000 χ^2 /NDF: 1044971.8/34

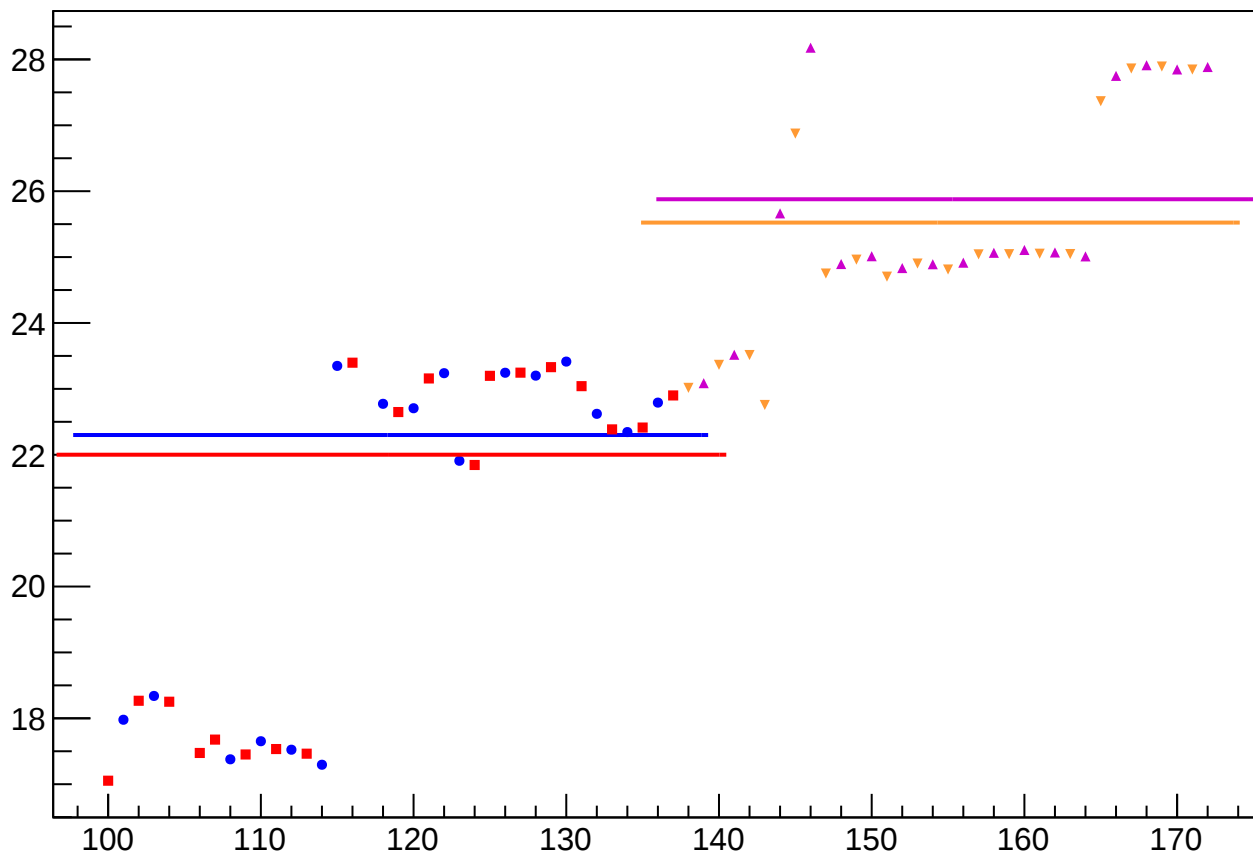
Right: 0.013 $\pm$ 0.000 χ^2 /NDF: 4279107.1/35

In: 0.011 $\pm$ 0.000 χ^2 /NDF:2744777.4/33

Out: 0.011 $\pm$ 0.000 χ^2 /NDF:3150106.3/36

All: 0.011 $\pm$ 0.000 χ^2 /NDF: 5895078.8/70

yield_sam2_mean vs Slug, Sign Corrected



Right In: 22.300+/-0.000

χ^2/NDF : 938398636.8/16

Left: 25.697+/-0.000

χ^2/NDF : 4832031180.5/34

Left Out: 25.524+/-0.000

χ^2/NDF : 2667394186.8/17

Right: 22.159+/-0.000

χ^2/NDF : 2017477949.3/35

Right Out: 22.001+/-0.000

χ^2/NDF : 1066041325.5/18

In: 24.948+/-0.000

χ^2/NDF : 5980915112.5/33

Out: 24.714+/-0.000

χ^2/NDF : 6369078411.4/36

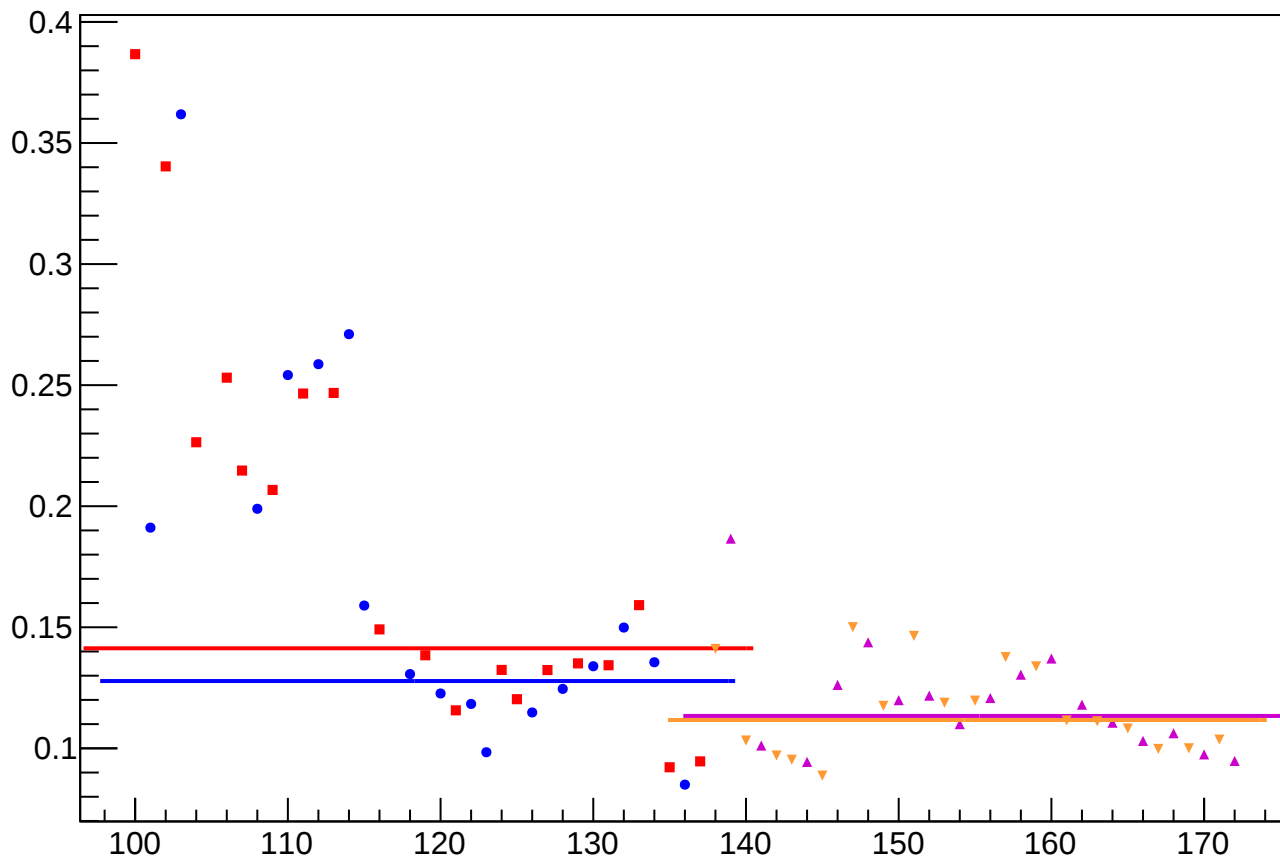
Left In: 25.878+/-0.000

χ^2/NDF : 2108081416.9/16

All: 24.830+/-0.000

χ^2/NDF : 12382753479.4

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.128+/-0.000 χ^2/NDF : 1492109.7/16

Left Out: 0.112+/-0.000 χ^2/NDF :520725.1/17

Right Out: 0.141+/-0.000 χ^2/NDF : 1449275.1/18

Left In: 0.113+/-0.000 χ^2/NDF :568433.7/16

Left: 0.113+/-0.000 χ^2/NDF : 1091720.6/34

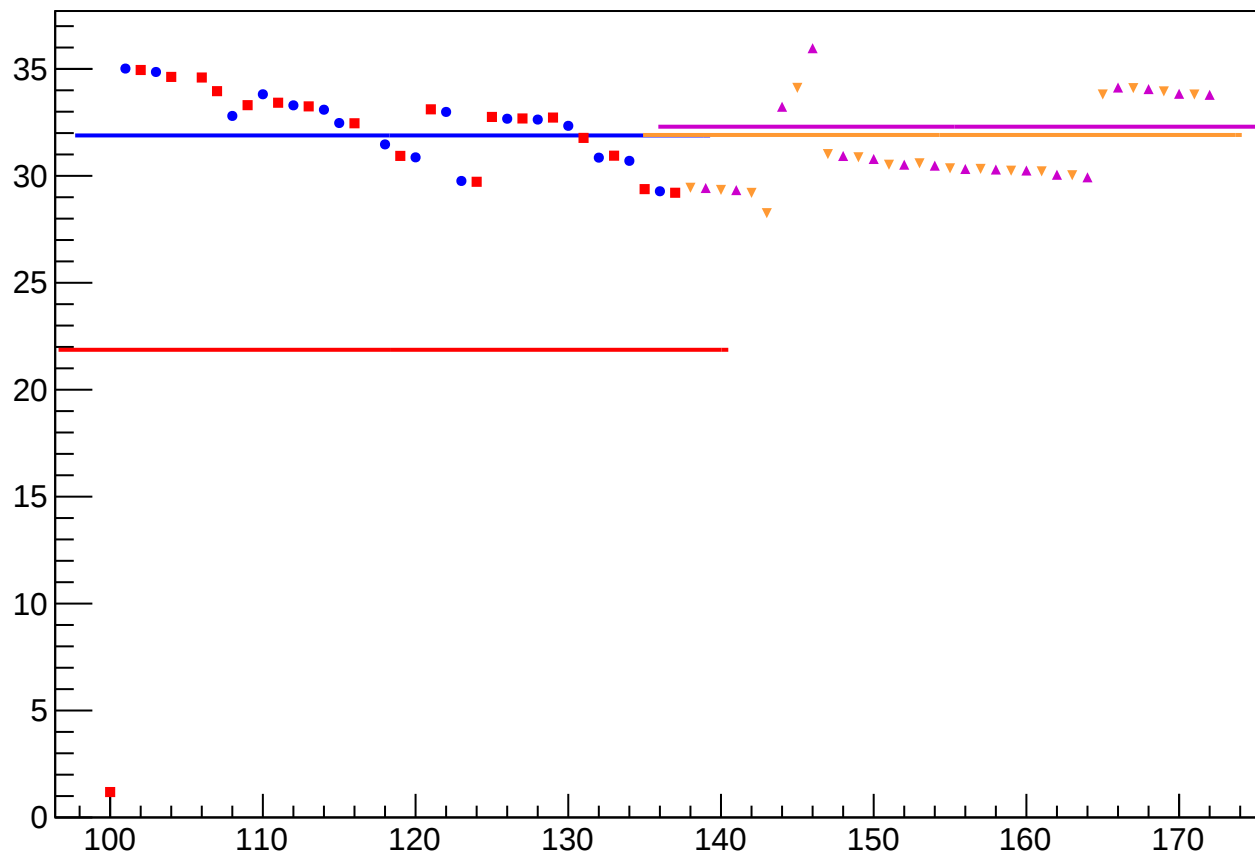
Right: 0.134+/-0.000 χ^2/NDF : 2994732.7/35

In: 0.117+/-0.000 χ^2/NDF :2155786.7/33

Out: 0.119+/-0.000 χ^2/NDF :2342664.0/36

All: 0.118+/-0.000 χ^2/NDF : 4500724.9/70

yield_sam3_mean vs Slug, Sign Corrected



Right In: 31.889+/-0.000

χ^2/NDF : 1930403776.3/16

Left: 32.108+/-0.000

χ^2/NDF : 21827582997.2/34

Left Out: 31.912+/-0.000

χ^2/NDF : 10628404486.0/17

Right: 25.887+/-0.000

χ^2/NDF : 274879927198.7/35

Right Out: 21.867+/-0.000

χ^2/NDF : 230068750081.7/18

In: 32.214+/-0.000

χ^2/NDF : 13022975478.6/33

Out: 29.038+/-0.000

χ^2/NDF : 317364840423.8/36

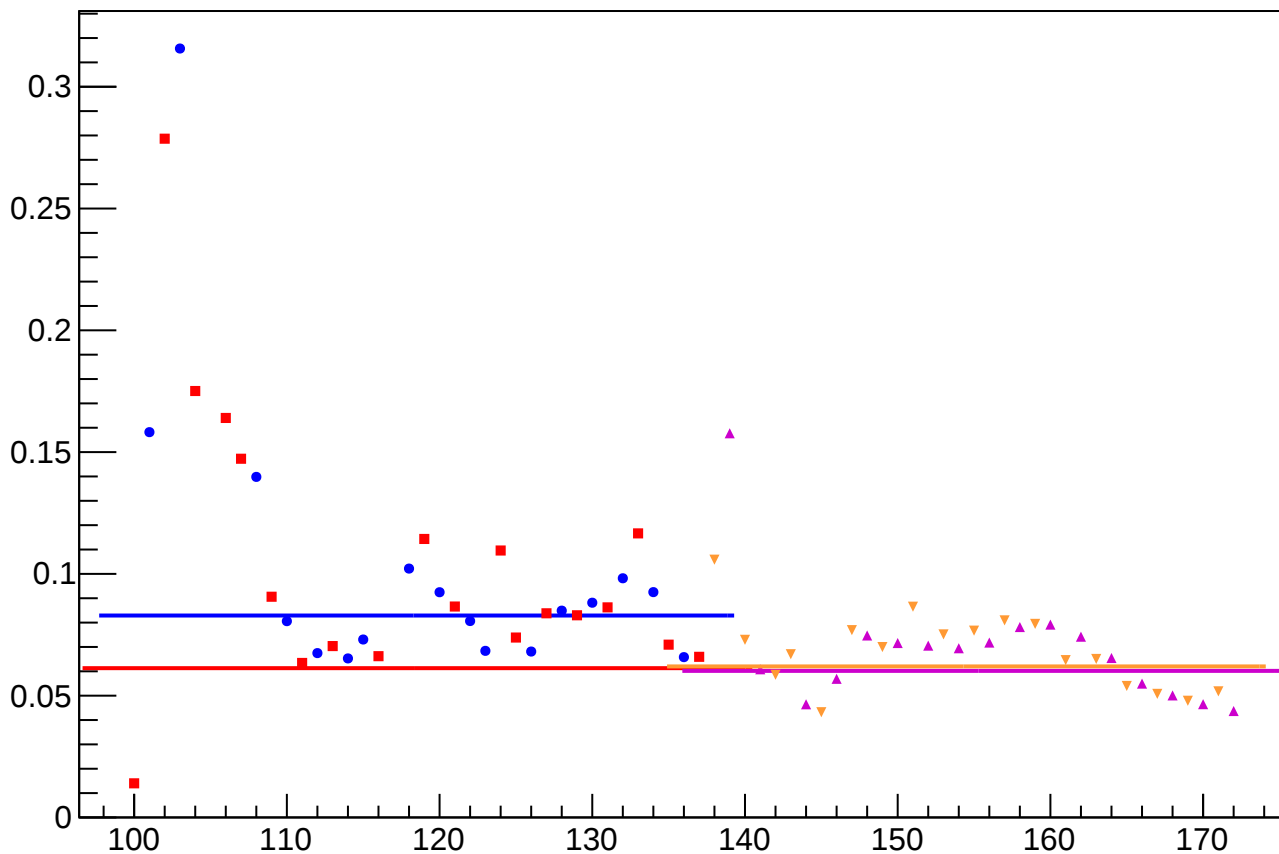
Left In: 32.299+/-0.000

χ^2/NDF : 10997888995.8/16

All: 30.565+/-0.000

χ^2/NDF : 348429274700.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.083 $\pm$ 0.000 χ^2 /NDF: 1164452.3/16

Left Out: 0.062 $\pm$ 0.000 χ^2 /NDF:1082197.2/17

Right Out: 0.061 $\pm$ 0.000 χ^2 /NDF: 3603853.3/18

Left In: 0.060 $\pm$ 0.000 χ^2 /NDF:1356014.5/16

Left: 0.061 $\pm$ 0.000 χ^2 /NDF: 2447197.6/34

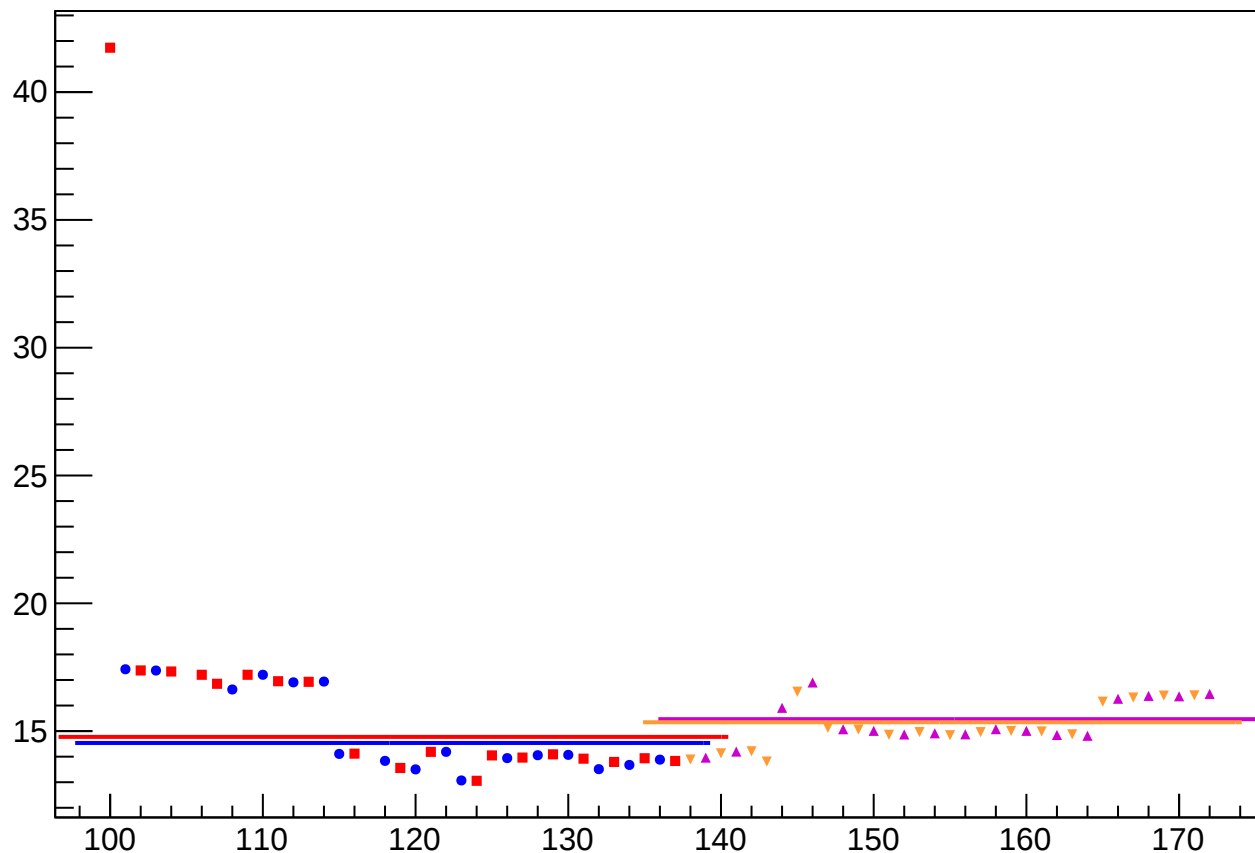
Right: 0.070 $\pm$ 0.000 χ^2 /NDF: 5167150.6/35

In: 0.065 $\pm$ 0.000 χ^2 /NDF:3104485.4/33

Out: 0.062 $\pm$ 0.000 χ^2 /NDF:4686822.8/36

All: 0.063 $\pm$ 0.000 χ^2 /NDF: 7825227.0/70

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.536+/-0.000 χ^2/NDF : 1470499792.7/16

Left Out: 15.346+/-0.000 χ^2/NDF : 1972609481.8/17

Right Out: 14.774+/-0.000 χ^2/NDF : 1886755709.2/18

Left In: 15.467+/-0.000 χ^2/NDF : 1650890998.8/16

Left: 15.406+/-0.000 χ^2/NDF : 3642898262.2/34

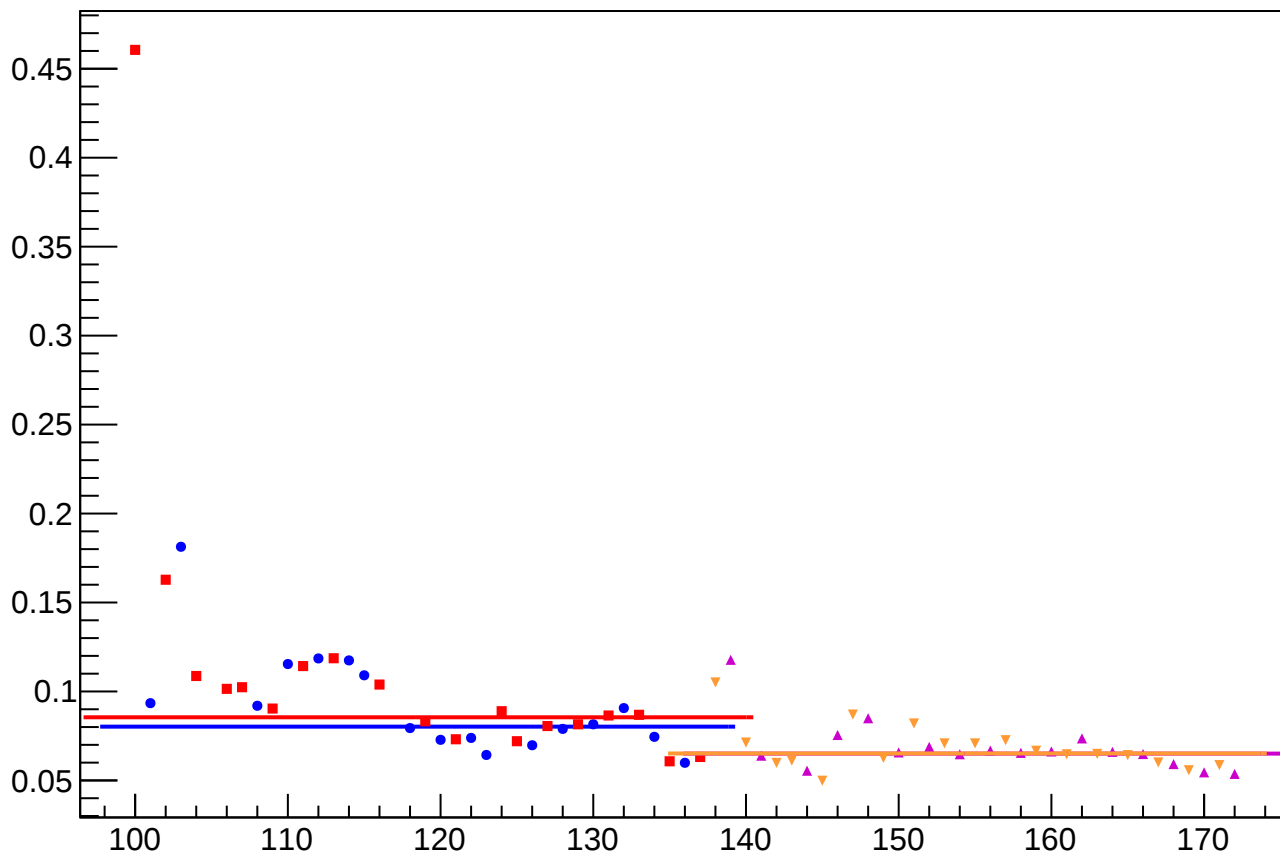
Right: 14.651+/-0.000 χ^2/NDF : 3380785876.4/35

In: 15.238+/-0.000 χ^2/NDF : 3682102465.1/33

Out: 15.213+/-0.000 χ^2/NDF : 4061642450.3/36

All: 15.226+/-0.000 χ^2/NDF : 7744753015.4/7

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.080 $\pm$ 0.000 χ^2 /NDF: 778734.5/16

Left Out: 0.065 $\pm$ 0.000 χ^2 /NDF:564542.6/17

Right Out: 0.085 $\pm$ 0.000 χ^2 /NDF: 738043.0/18

Left In: 0.065 $\pm$ 0.000 χ^2 /NDF:572592.5/16

Left: 0.065 $\pm$ 0.000 χ^2 /NDF: 1137151.3/34

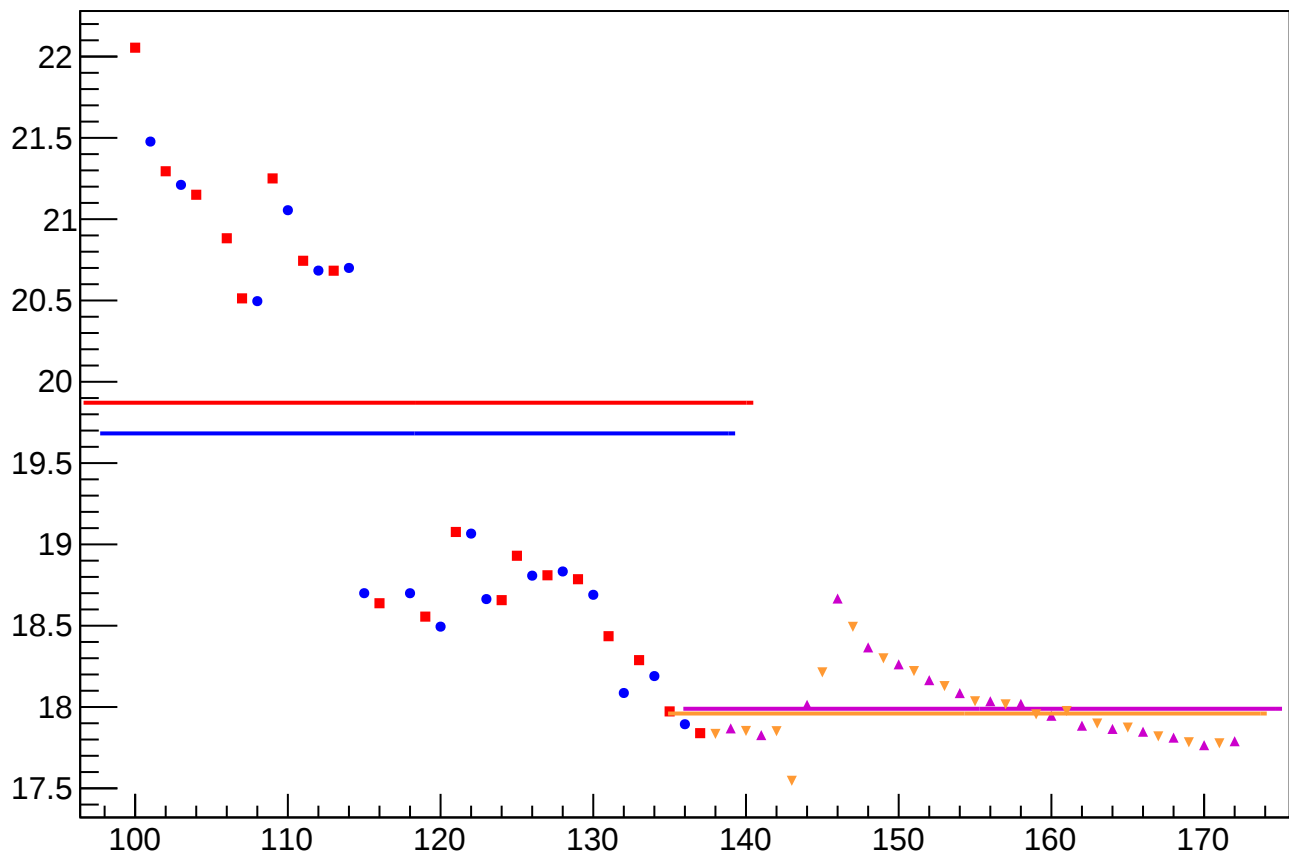
Right: 0.083 $\pm$ 0.000 χ^2 /NDF: 1539722.7/35

In: 0.069 $\pm$ 0.000 χ^2 /NDF:1648077.6/33

Out: 0.070 $\pm$ 0.000 χ^2 /NDF:1813344.6/36

All: 0.069 $\pm$ 0.000 χ^2 /NDF: 3465278.8/70

yield_sam5_mean vs Slug, Sign Corrected



Right In: 19.683+/-0.000 χ^2/NDF : 12276801857.2/16

Left Out: 17.960+/-0.000 χ^2/NDF : 533245476.1/17

Right Out: 19.871+/-0.000 χ^2/NDF : 11324266794.7/18

Left In: 17.989+/-0.000 χ^2/NDF : 560345711.2/16

Left: 17.975+/-0.000 χ^2/NDF : 1099219971.8/34

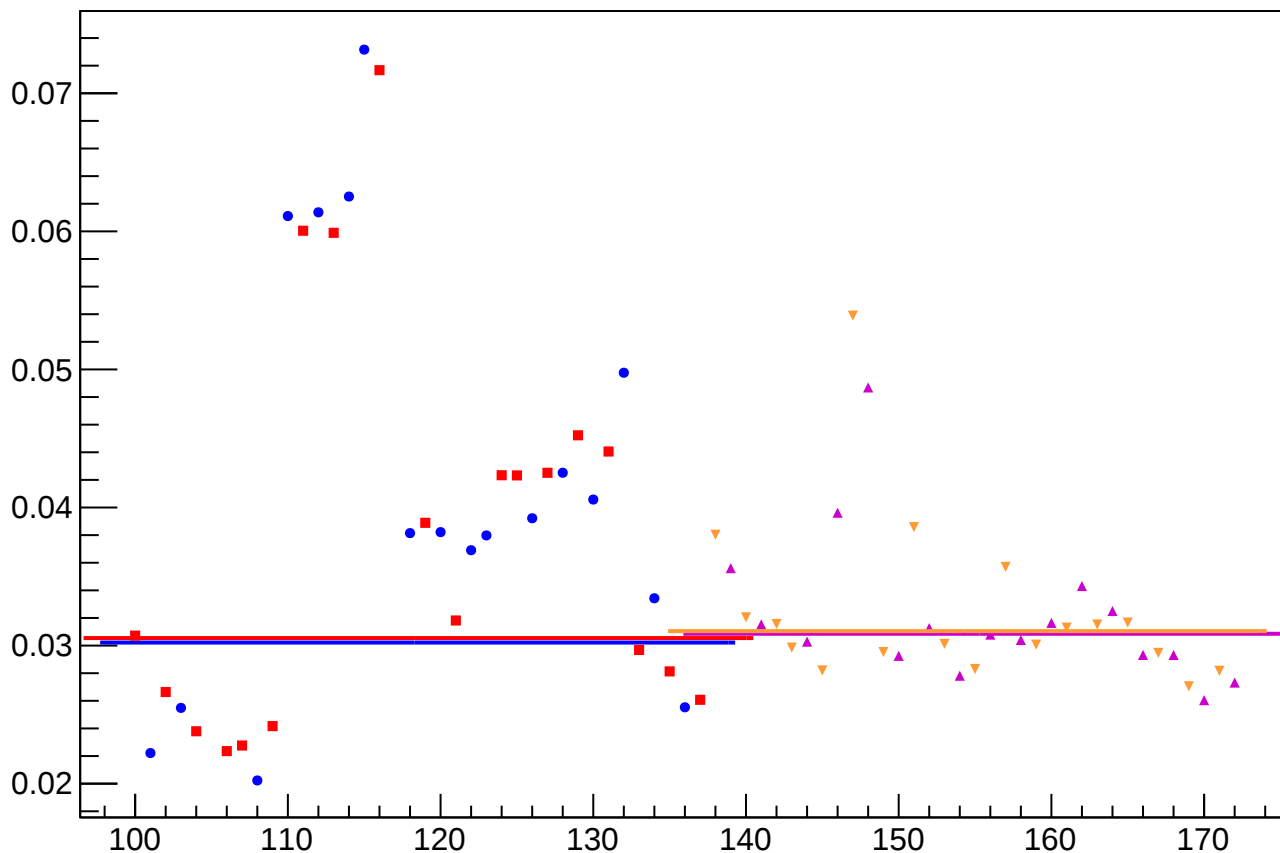
Right: 17.778+/-0.000 χ^2/NDF : 23711776447.8/35

In: 18.526+/-0.000 χ^2/NDF : 24807235191.5/33

Out: 18.579+/-0.000 χ^2/NDF : 27475943440.8/36

All: 18.553+/-0.000 χ^2/NDF : 52309867268.3

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.030+/-0.000 χ^2/NDF : 1324518.2/16

Left Out: 0.031+/-0.000 χ^2/NDF : 492613.7/17

Right Out: 0.031+/-0.000 χ^2/NDF : 1189734.1/18

Left In: 0.031+/-0.000 χ^2/NDF : 432142.2/16

Left: 0.031+/-0.000 χ^2/NDF : 925242.9/34

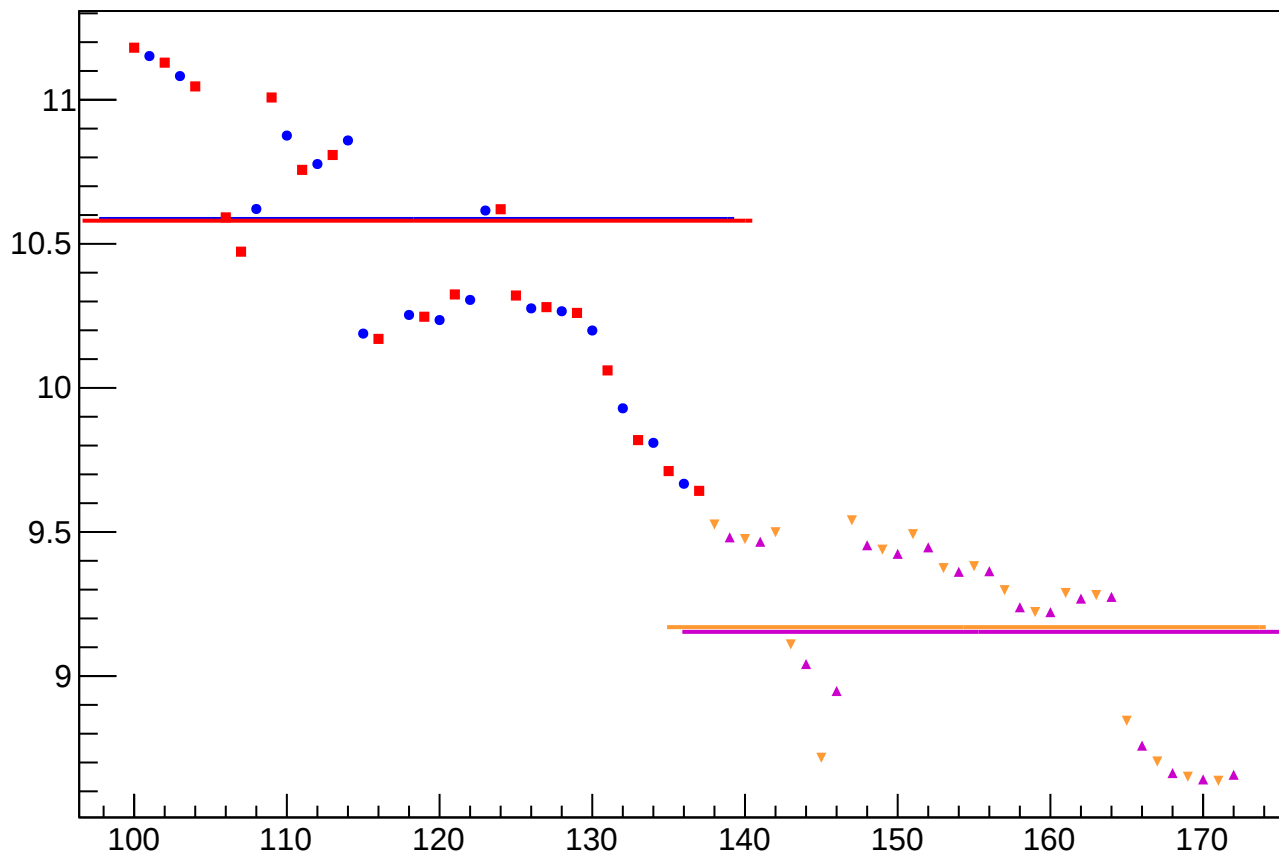
Right: 0.030+/-0.000 χ^2/NDF : 2514909.2/35

In: 0.031+/-0.000 χ^2/NDF : 1760035.4/33

Out: 0.031+/-0.000 χ^2/NDF : 1684510.9/36

All: 0.031+/-0.000 χ^2/NDF : 3445582.1/70

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.586+/-0.000 χ^2/NDF : 7420104563.4/16

Left Out: 9.170+/-0.000 χ^2/NDF : 3304859759.9/17

Right Out: 10.580+/-0.000 χ^2/NDF : 5763852721.2/18

Left In: 9.153+/-0.000 χ^2/NDF : 2822223191.9/16

Left: 9.162+/-0.000 χ^2/NDF : 6131297723.9/34

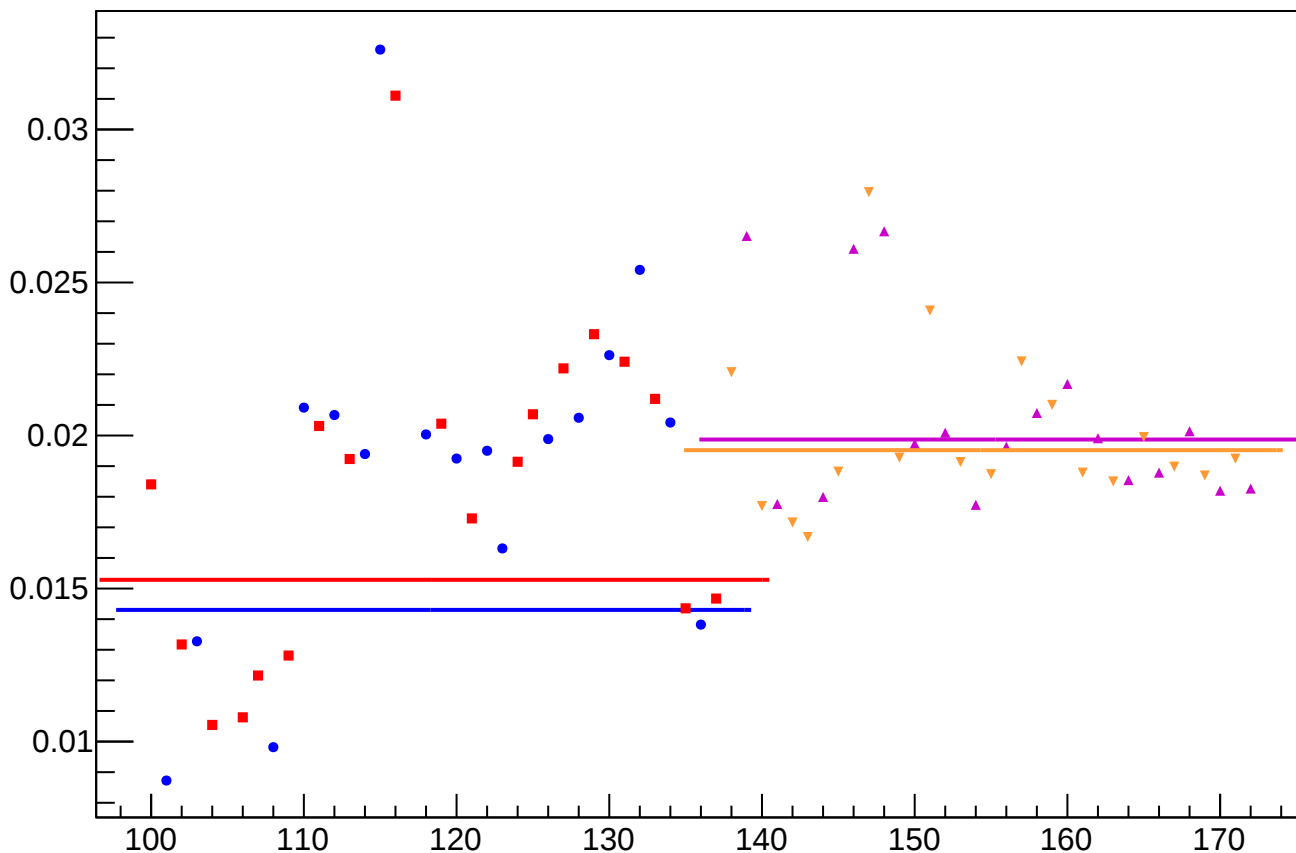
Right: 10.583+/-0.000 χ^2/NDF : 13184410027.5/35

In: 9.814+/-0.000 χ^2/NDF : 39040037348.9/33

Out: 9.790+/-0.000 χ^2/NDF : 37223856367.7/36

All: 9.802+/-0.000 χ^2/NDF : 76280339549.5/7

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.014 $\pm$ 0.000 χ^2 /NDF: 1408012.0/16

Left Out: 0.020 $\pm$ 0.000 χ^2 /NDF:319446.4/17

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 989017.0/18

Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:377407.6/16

Left: 0.020 $\pm$ 0.000 χ^2 /NDF: 700629.9/34

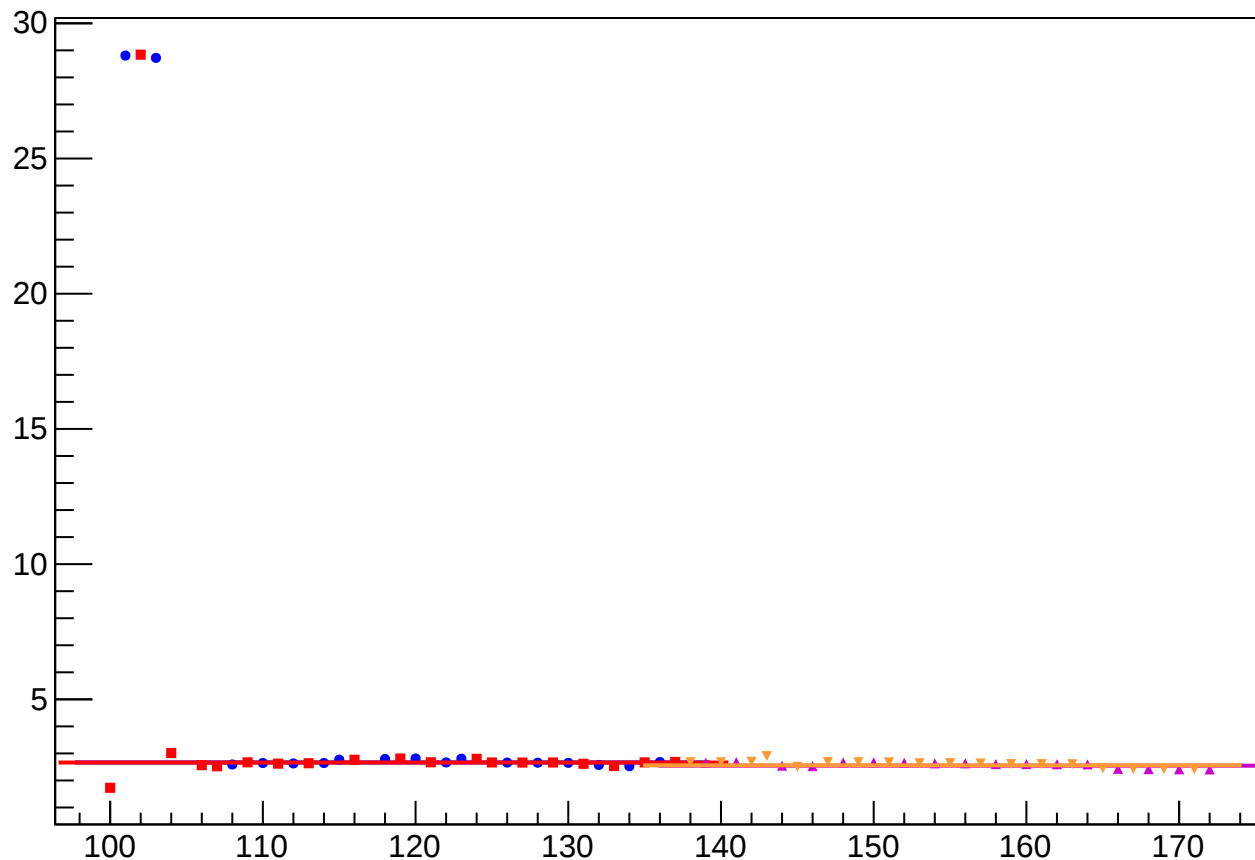
Right: 0.015 $\pm$ 0.000 χ^2 /NDF: 2421831.8/35

In: 0.017 $\pm$ 0.000 χ^2 /NDF:2654674.6/33

Out: 0.018 $\pm$ 0.000 χ^2 /NDF:1816236.8/36

All: 0.017 $\pm$ 0.000 χ^2 /NDF: 4478165.4/70

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.666 $\pm$ 0.000 χ^2 /NDF: 163167327359.4/16

Left Out: 2.560 $\pm$ 0.000 χ^2 /NDF: 36351190547.1/17

Right Out: 2.664 $\pm$ 0.000 χ^2 /NDF: 70398125461.7/18

Left In: 2.546 $\pm$ 0.000 χ^2 /NDF: 26239962520.7/16

Left: 2.553 $\pm$ 0.000 χ^2 /NDF: 62816626043.4/34

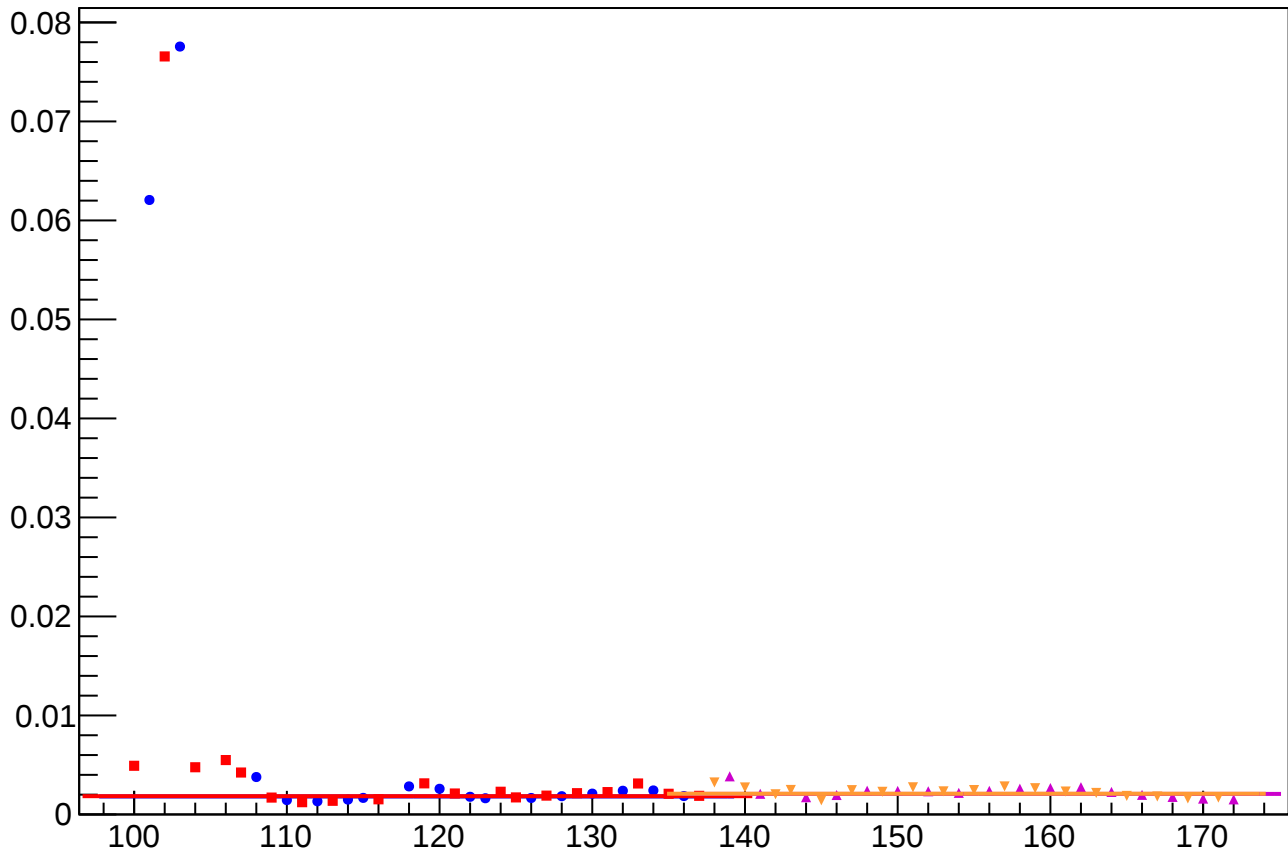
Right: 2.665 $\pm$ 0.000 χ^2 /NDF: 233569925265.6/35

In: 2.589 $\pm$ 0.000 χ^2 /NDF: 201887086124.7/33

Out: 2.598 $\pm$ 0.000 χ^2 /NDF: 116408996036.4/36

All: 2.593 $\pm$ 0.000 χ^2 /NDF: 318451576123.2

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 : 1060023.3/17

Right Out: 0.002+/-0.000 χ^2/NDF : 2331228.4/18

Left In: 0.002+/-0.000 χ^2/NDF : 970770.0/16

Left: 0.002+/-0.000 χ^2/NDF : 2031663.3/34

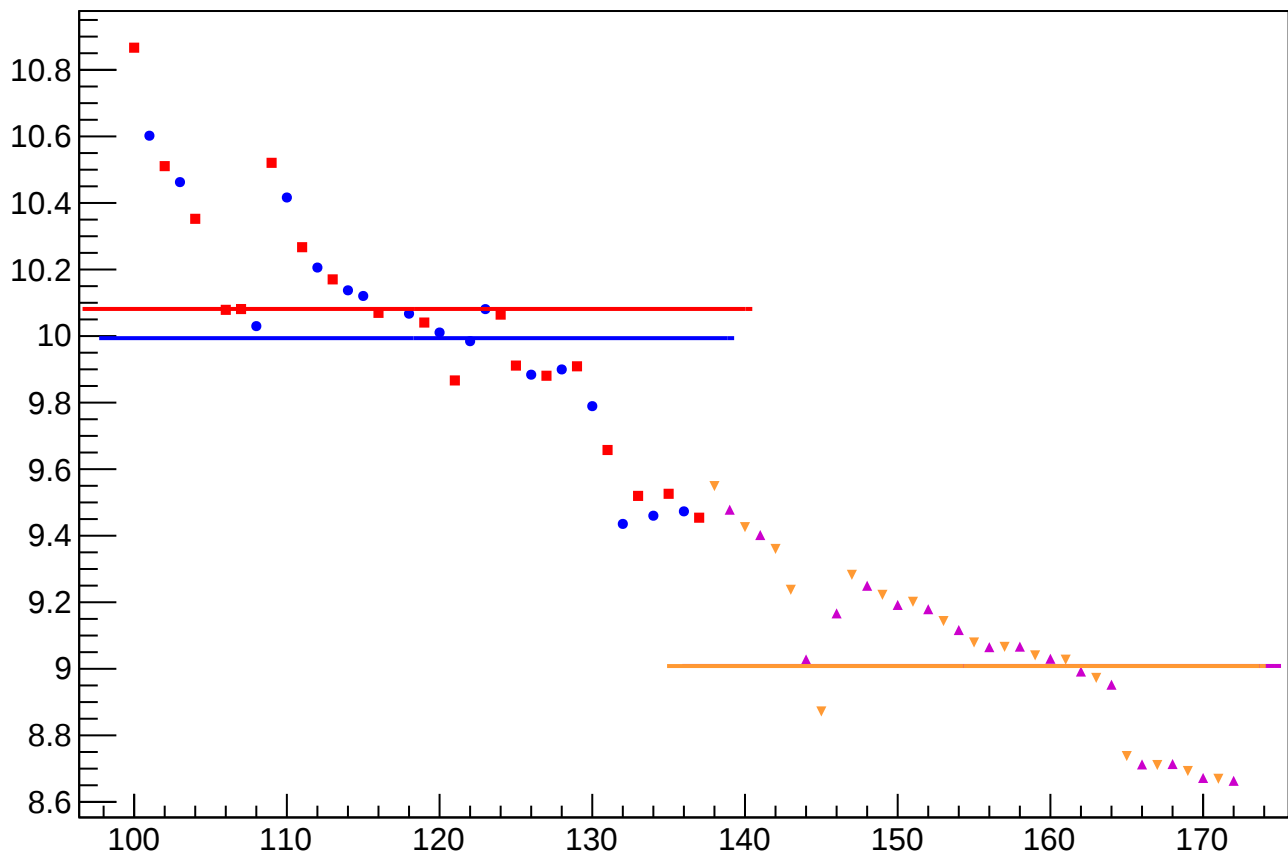
Right: 0.002+/-0.000 χ^2/NDF : 4993749.3/35

In: 0.002+/-0.000 χ^2/NDF : 3747830.1/33

Out: 0.002+/-0.000 χ^2/NDF : 3501595.5/36

All: 0.002+/-0.000 χ^2/NDF : 7250902.6/70

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.994+/-0.000 χ^2/NDF : 18815741664.6/16

Left Out: 9.008+/-0.000 χ^2/NDF : 15877801574.4/17

Right Out: 10.082+/-0.000 χ^2/NDF : 15502695798.7/18

Left In: 9.009+/-0.000 χ^2/NDF : 14785517213.0/16

Left: 9.008+/-0.000 χ^2/NDF : 30663328017.1/34

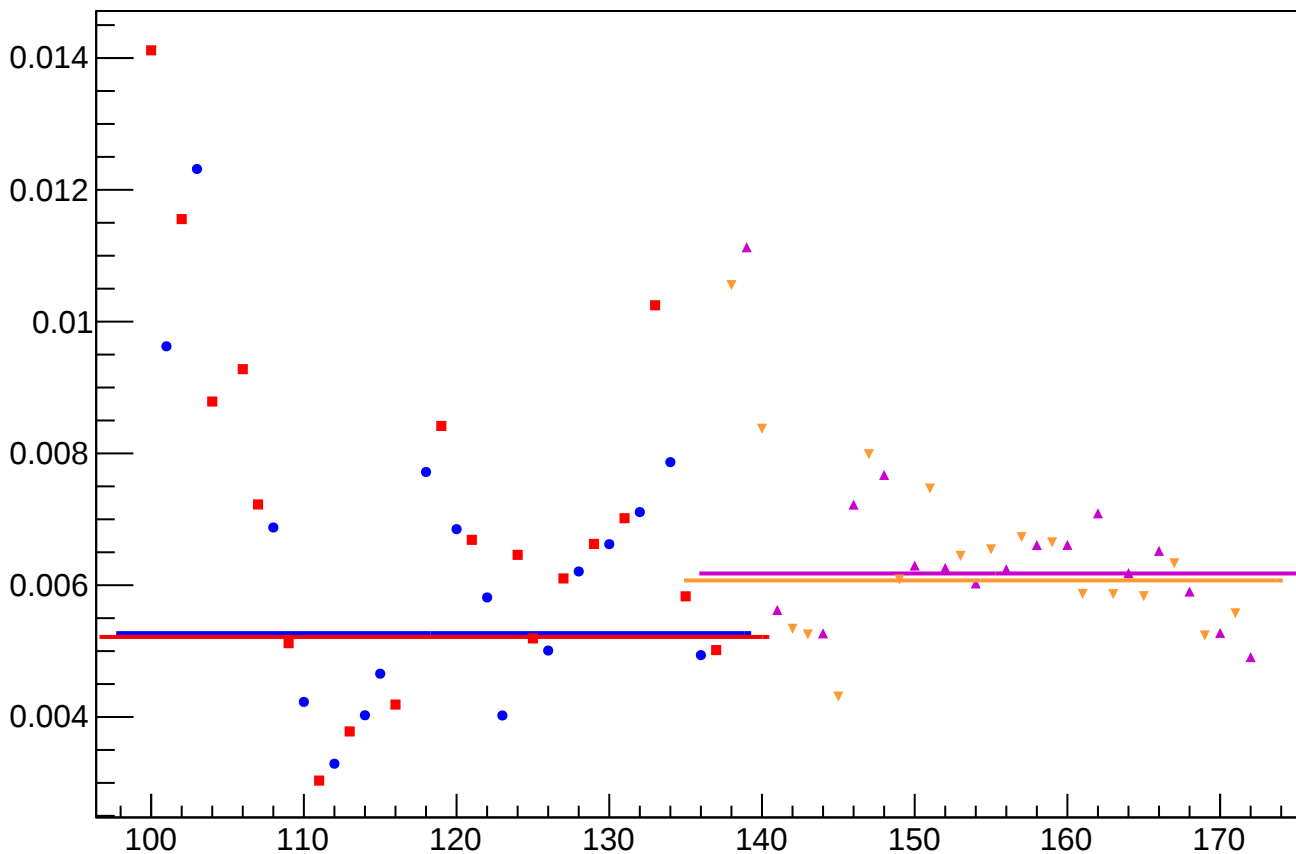
Right: 10.039+/-0.000 χ^2/NDF : 35036056098.5/35

In: 9.396+/-0.000 χ^2/NDF : 140016062656.2/33

Out: 9.434+/-0.000 χ^2/NDF : 165024907928.8/36

All: 9.415+/-0.000 χ^2/NDF : 305367351354.8

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 : 737026.8/17

Right Out: 0.005+/-0.000 χ^2/NDF : 1657948.7/18

Left In: 0.006+/-0.000 χ^2/NDF : 554086.3/16

Left: 0.006+/-0.000 χ^2/NDF : 1294278.6/34

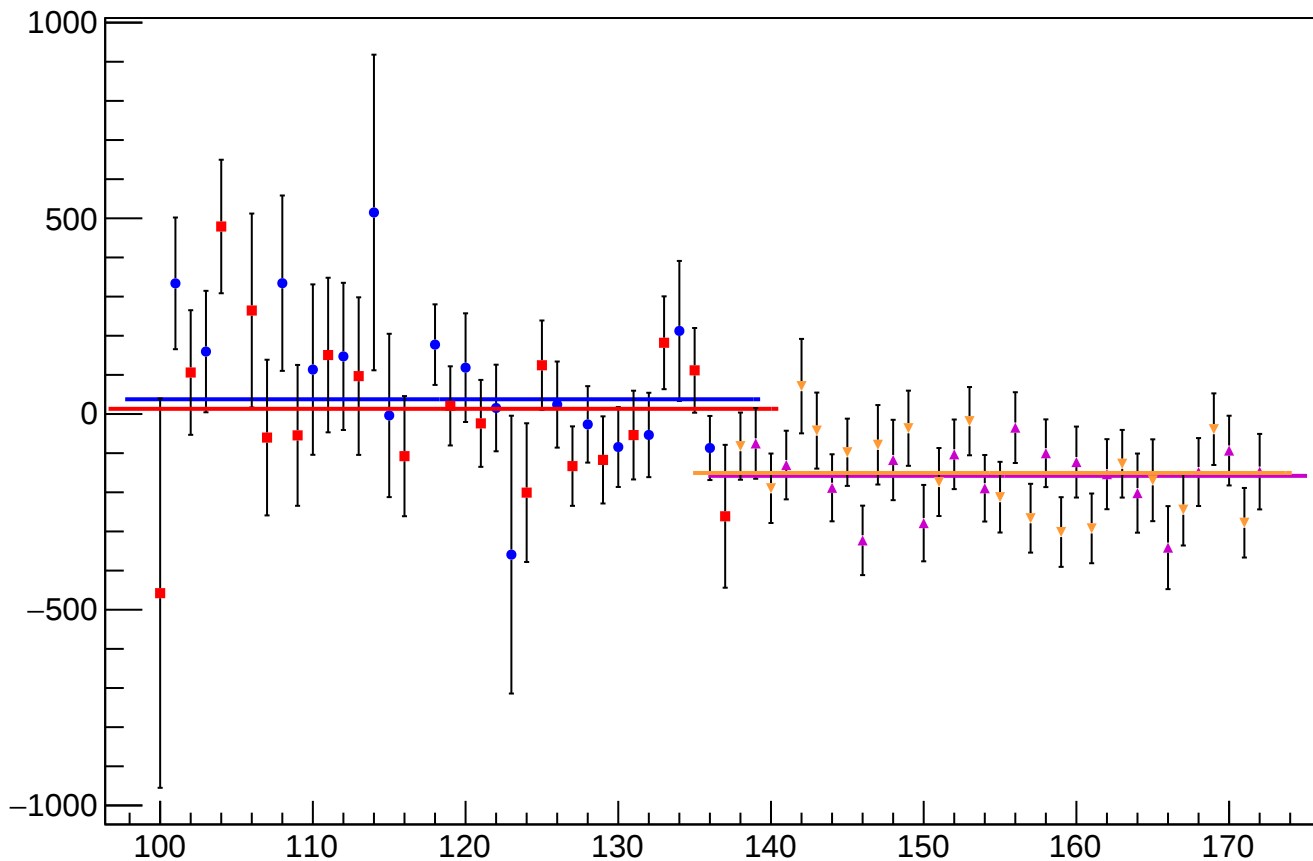
Right: 0.005+/-0.000 χ^2/NDF : 2904141.2/35

In: 0.006+/-0.000 χ^2/NDF : 1979285.9/33

Out: 0.006+/-0.000 χ^2/NDF : 2565787.3/36

All: 0.006+/-0.000 χ^2/NDF : 4548807.8/70

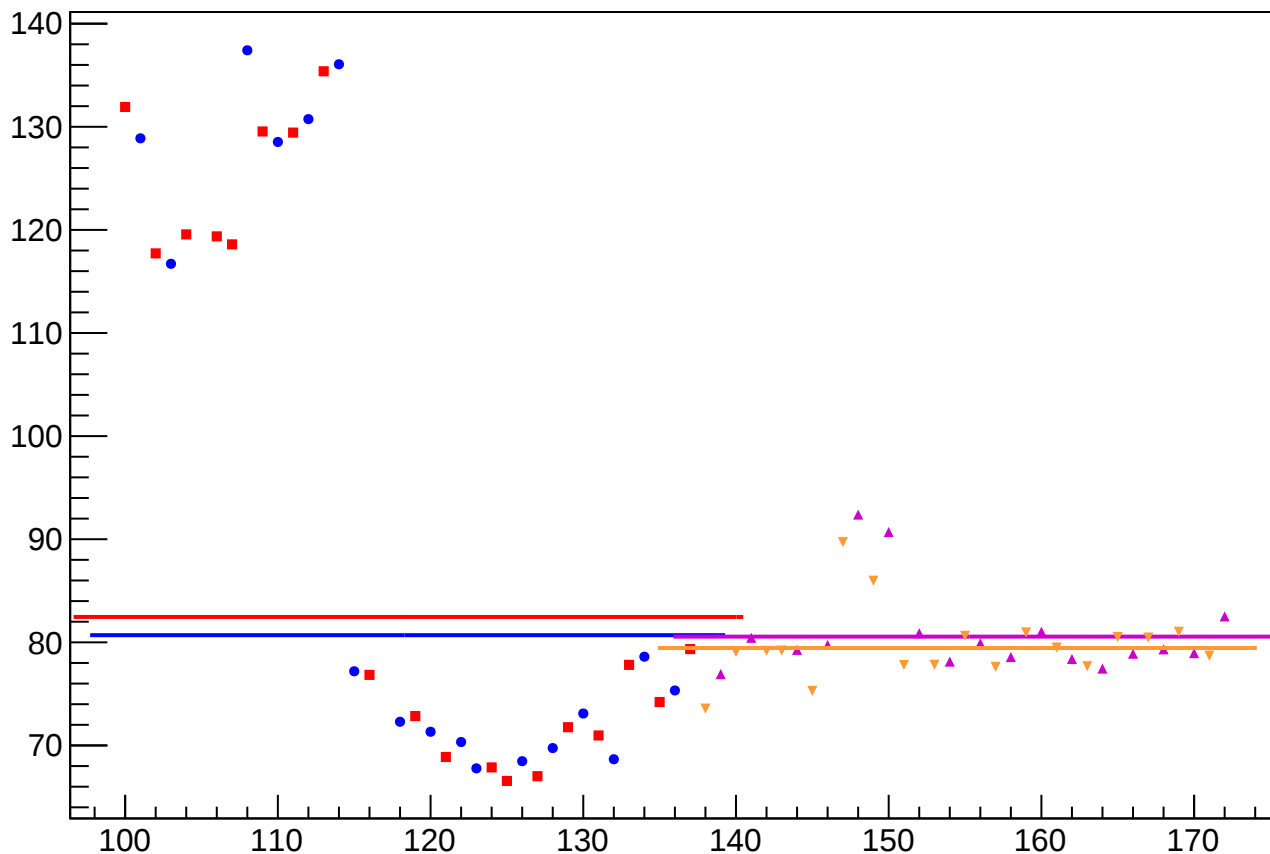
reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: 37.694 ± 32.253 $\chi^2/\text{NDF}: 16.7/16$
 Left Out: -150.571 ± 21.628 $\chi^2/\text{NDF}: 22.4/17$
 Right Out: 13.278 ± 32.066 $\chi^2/\text{NDF}: 22.7/18$
 Left In: -157.972 ± 22.160 $\chi^2/\text{NDF}: 12.9/16$

Left: -154.182 ± 15.478 $\chi^2/\text{NDF}: 35.4/34$
 Right: 25.415 ± 22.740 $\chi^2/\text{NDF}: 39.7/35$
 In: -95.228 ± 18.264 $\chi^2/\text{NDF}: 54.6/33$
 Out: -99.339 ± 17.931 $\chi^2/\text{NDF}: 63.1/36$
 All: -97.322 ± 12.795 $\chi^2/\text{NDF}: 117.7/70$

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 80.694 $\pm$ 0.023 χ^2 /NDF: 814026.4/16

Left Out: 79.449 $\pm$ 0.015 χ^2 /NDF: 49023.9/17

Right Out: 82.464 $\pm$ 0.023 χ^2 /NDF: 914878.0/18

Left In: 80.553 $\pm$ 0.016 χ^2 /NDF: 60325.8/16

Left: 79.988 $\pm$ 0.011 χ^2 /NDF: 111894.1/34

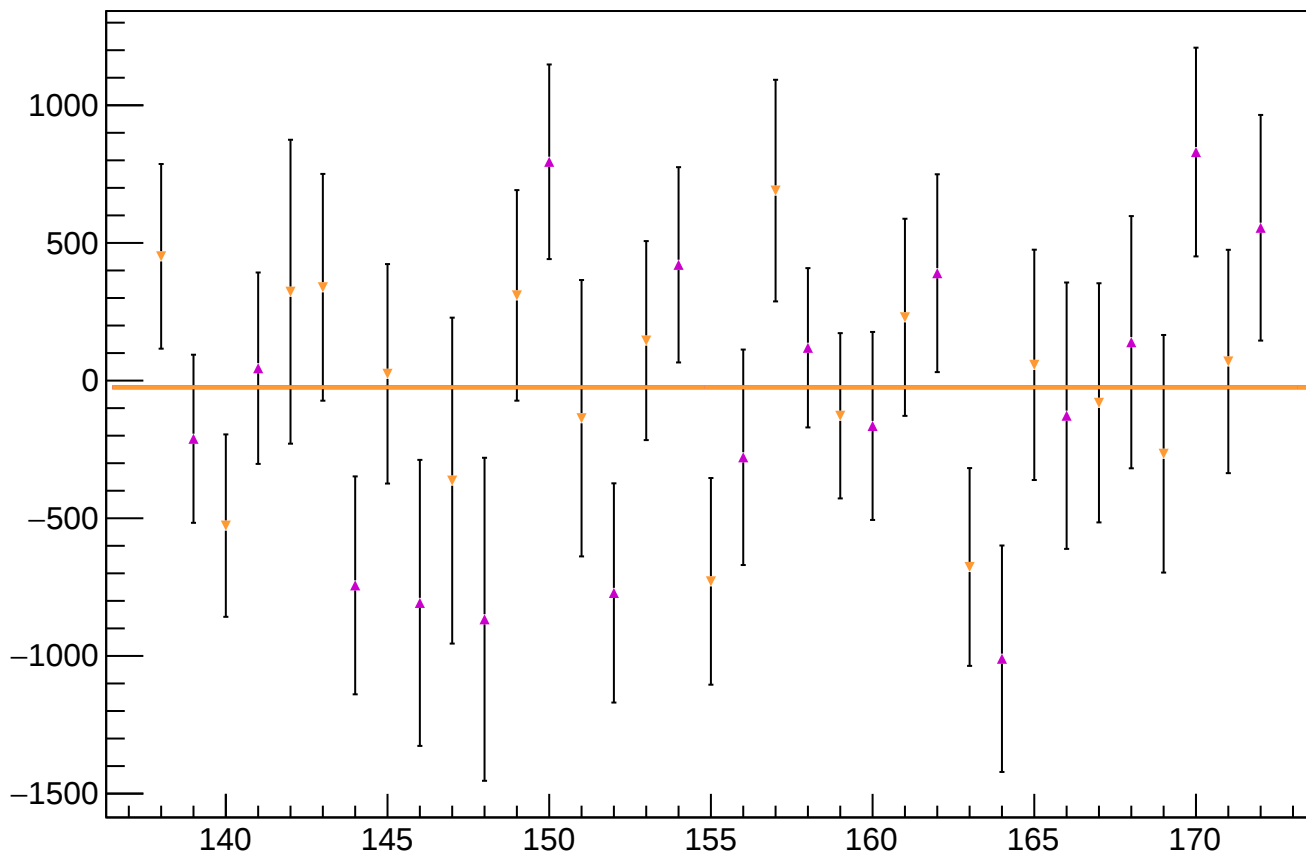
Right: 81.584 $\pm$ 0.016 χ^2 /NDF: 1731931.3/35

In: 80.599 $\pm$ 0.013 χ^2 /NDF: 874378.1/33

Out: 80.392 $\pm$ 0.013 χ^2 /NDF: 976051.2/36

All: 80.493 $\pm$ 0.009 χ^2 /NDF: 1850560.0/70

asym_sam1_correction_mean vs Slug, Sign Corrected



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

Left Out: -24.026+/-92.374 χ^2/NDF :17.9/17

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

Left In: -24.522+/-92.473 χ^2/NDF :33.7/16

Left: -24.274+/-65.353 χ^2/NDF : 51.6/34

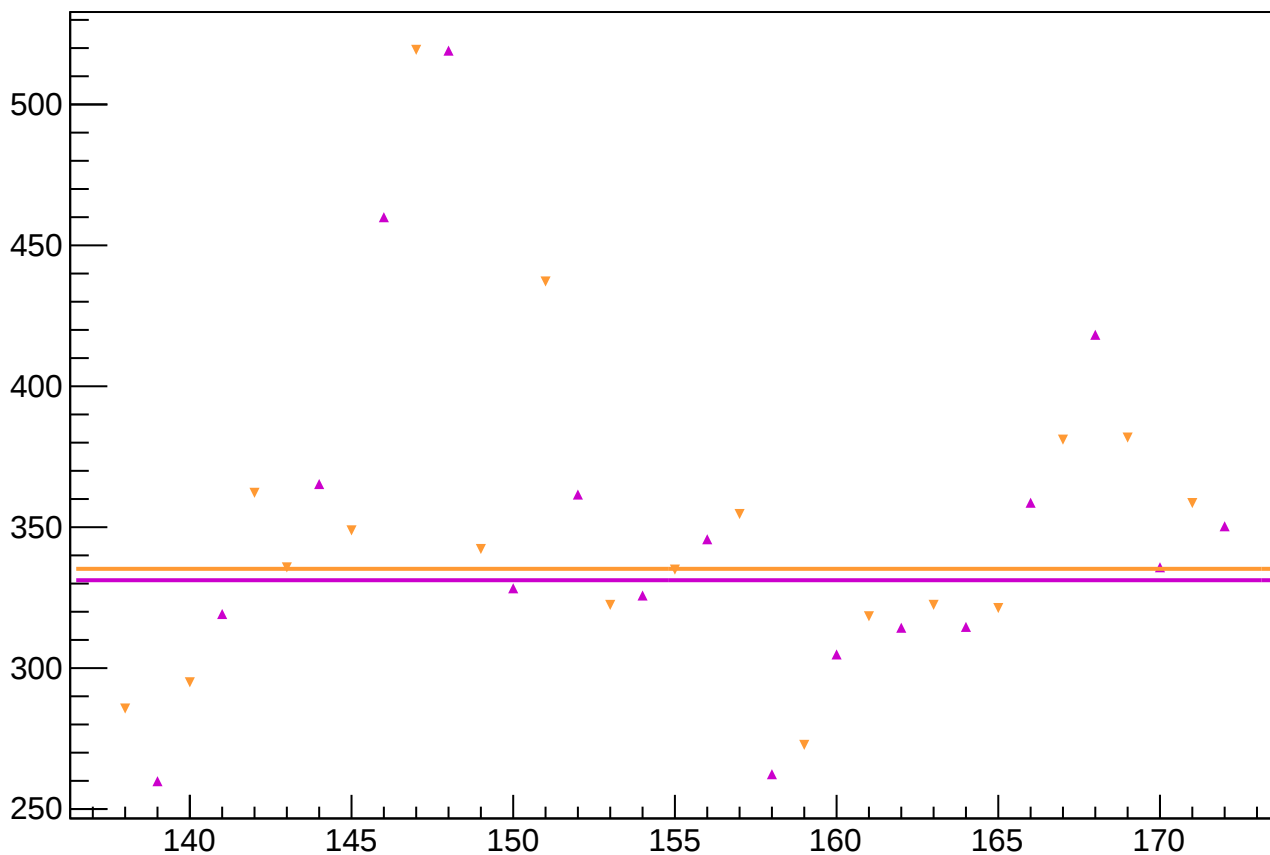
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -24.522+/-92.473 χ^2/NDF :33.7/16

Out: -24.026+/-92.374 χ^2/NDF :17.9/17

All: -24.274+/-65.353 χ^2/NDF : 51.6/34

asym_sam1_correction_rms vs Slug, Sign Corrected



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

Left Out: 335.231+/-0.065 χ^2/NDF : 512308.6/17

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

Left In: 331.189+/-0.065 χ^2/NDF : 685740.3/16

Left: 333.213+/-0.046 χ^2/NDF : 1199961.7/34

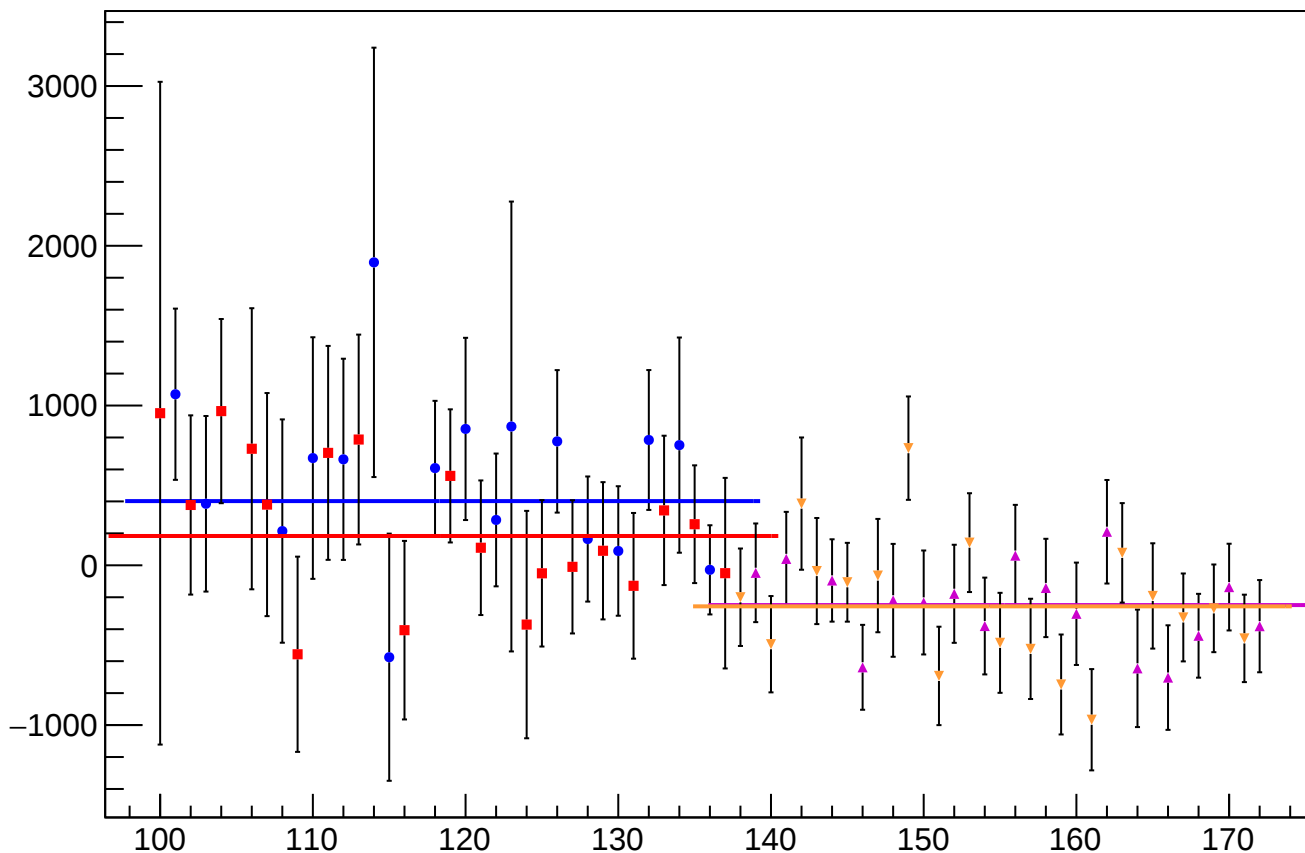
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 331.189+/-0.065 χ^2/NDF : 685740.3/16

Out: 335.231+/-0.065 χ^2/NDF : 512308.6/17

All: 333.213+/-0.046 χ^2/NDF : 1199961.7/34

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 401.871 $\pm$ 121.048 χ^2 /NDF: 10.9/16

Left Out: -256.906 $\pm$ 72.266 χ^2 /NDF:27.7/17

Right Out: 183.481 $\pm$ 120.338 χ^2 /NDF: 9.3/18

Left In: -248.956 $\pm$ 73.167 χ^2 /NDF:11.3/16

Left: -252.980 $\pm$ 51.416 χ^2 /NDF: 39.0/34

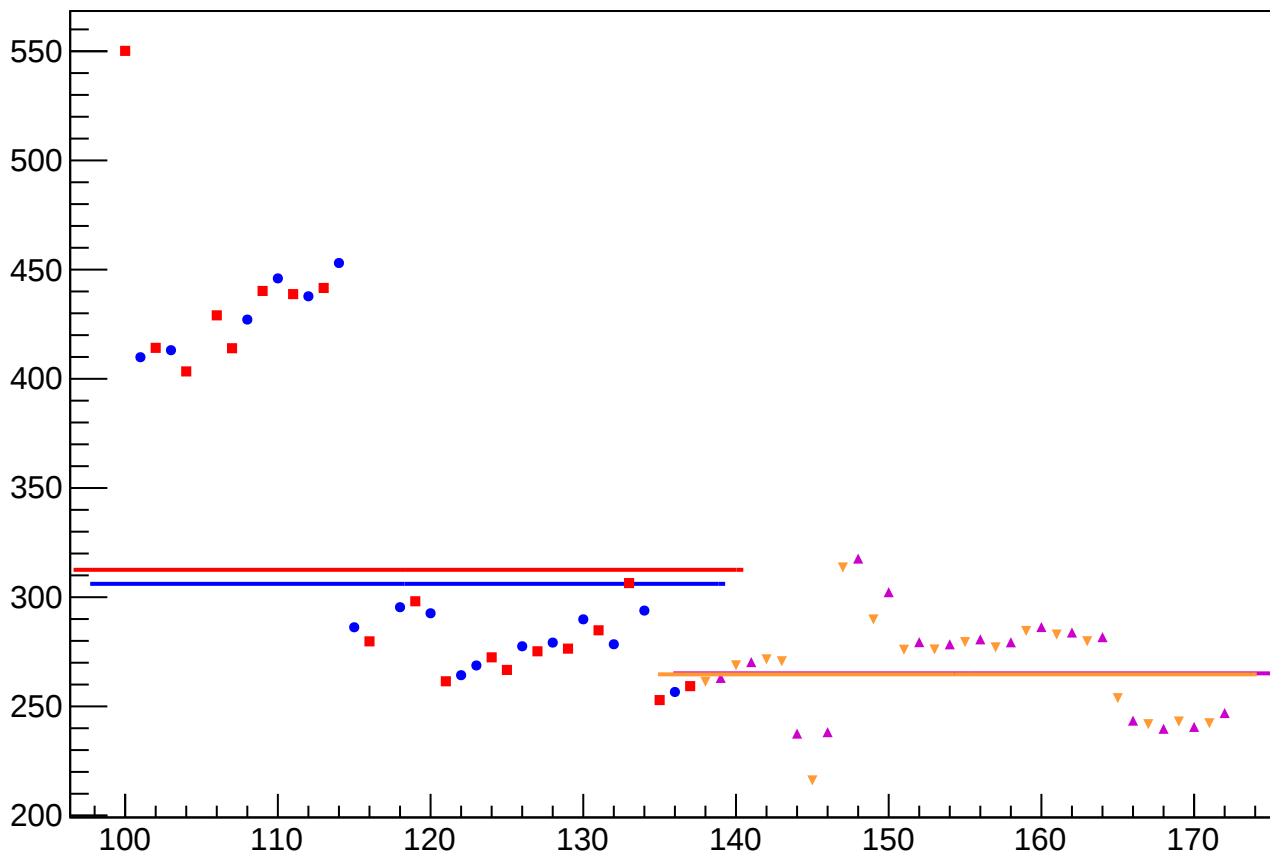
Right: 292.034 $\pm$ 85.342 χ^2 /NDF: 21.9/35

In: -74.799 $\pm$ 62.617 χ^2 /NDF:43.3/33

Out: -140.182 $\pm$ 61.953 χ^2 /NDF:46.9/36

All: -107.839 $\pm$ 44.040 χ^2 /NDF: 90.8/70

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 306.123+/-0.086 χ^2/NDF : 508435.8/16

Left Out: 264.679+/-0.051 χ^2/NDF : 203593.5/17

Right Out: 312.543+/-0.085 χ^2/NDF : 625769.8/18

Left In: 265.131+/-0.052 χ^2/NDF : 202987.7/16

Left: 264.902+/-0.036 χ^2/NDF : 406619.8/34

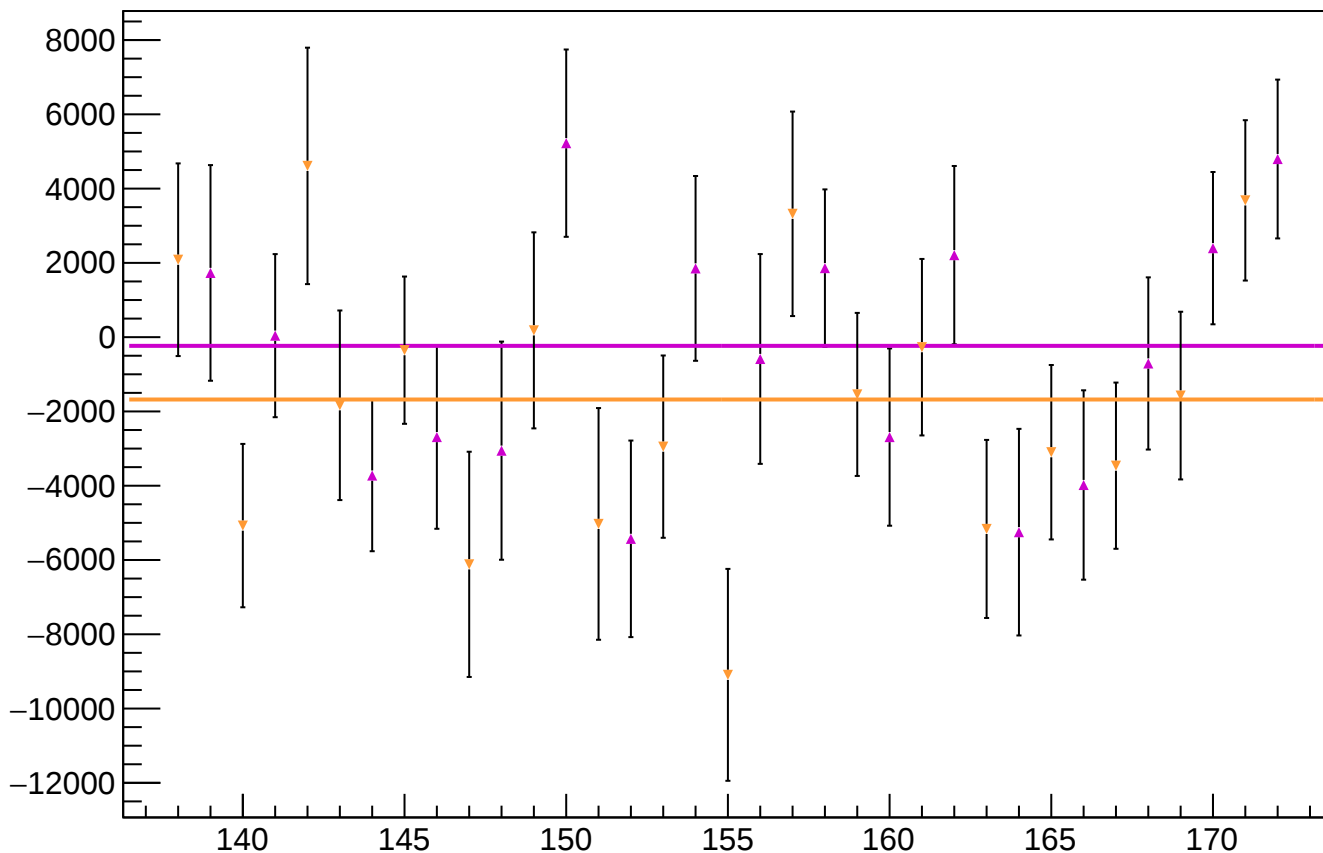
Right: 309.352+/-0.060 χ^2/NDF : 1137034.2/35

In: 276.100+/-0.044 χ^2/NDF : 879412.8/33

Out: 277.365+/-0.044 χ^2/NDF : 1061903.6/36

All: 276.739+/-0.031 χ^2/NDF : 1941728.7/70

asym_sam2_correction_mean vs Slug, Sign Corrected



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

Left Out: -1678.666+/-578.487 χ^2/NDF :32.6/17

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

Left In: -233.879+/-584.098 χ^2/NDF :30.3/16

Left: -963.246+/-411.022 χ^2/NDF : 66.0/34

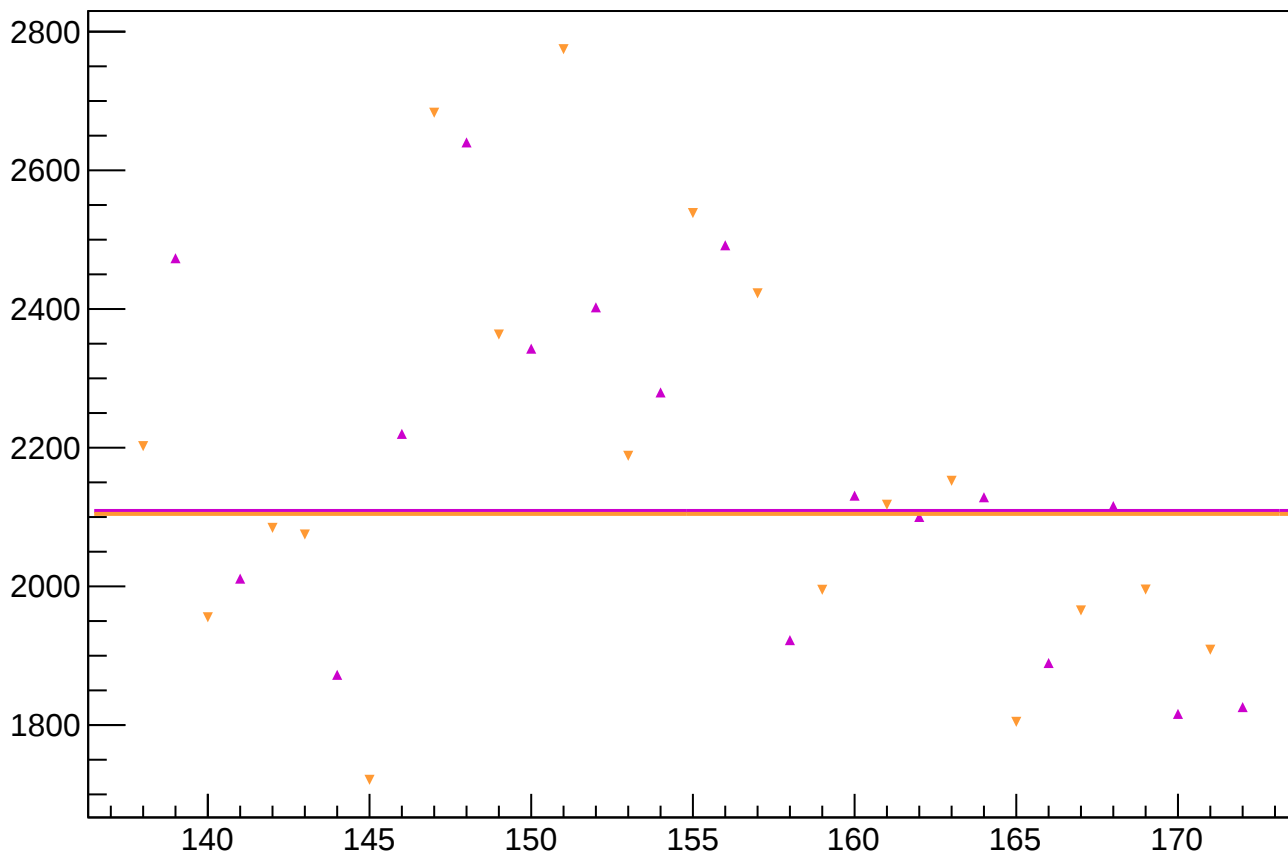
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -233.879+/-584.098 χ^2/NDF :30.3/16

Out: -1678.666+/-578.487 χ^2/NDF :32.6/17

All: -963.246+/-411.022 χ^2/NDF : 66.0/34

asym_sam2_correction_rms vs Slug, Sign Corrected



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

Left Out: 2104.529+/-0.409 χ^2/NDF :414144.4/17

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

Left In: 2108.748+/-0.413 χ^2/NDF :326335.8/16

Left: 2106.618+/-0.291 χ^2/NDF : 740532.9/34

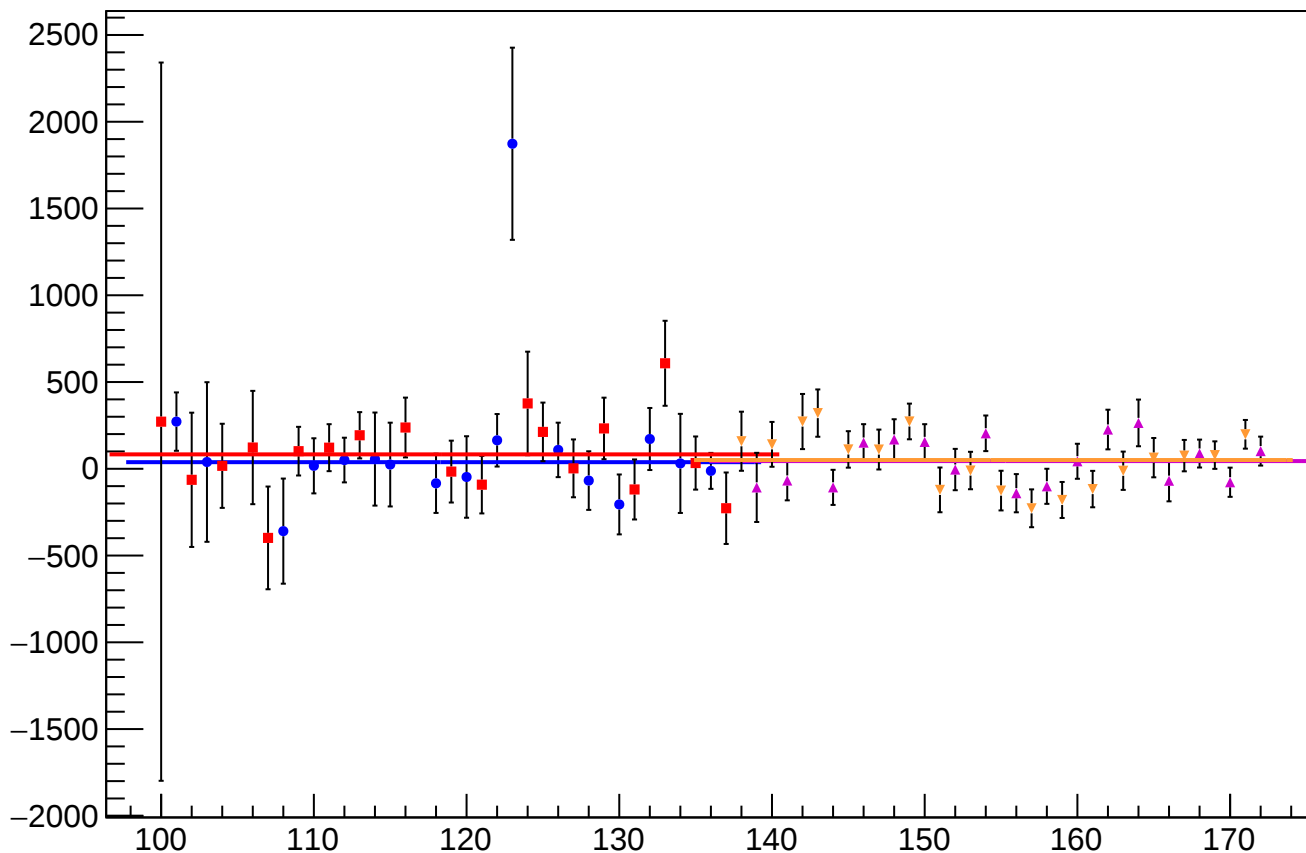
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2108.748+/-0.413 χ^2/NDF :326335.8/16

Out: 2104.529+/-0.409 χ^2/NDF :414144.4/17

All: 2106.618+/-0.291 χ^2/NDF : 740532.9/34

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 38.126 $\pm$ 43.548 χ^2 /NDF: 19.4/16

Left Out: 50.406 $\pm$ 25.595 χ^2 /NDF:34.3/17

Right Out: 83.101 $\pm$ 43.098 χ^2 /NDF: 16.7/18

Left In: 44.393 $\pm$ 25.450 χ^2 /NDF:23.6/16

Left: 47.382 $\pm$ 18.047 χ^2 /NDF: 57.9/34

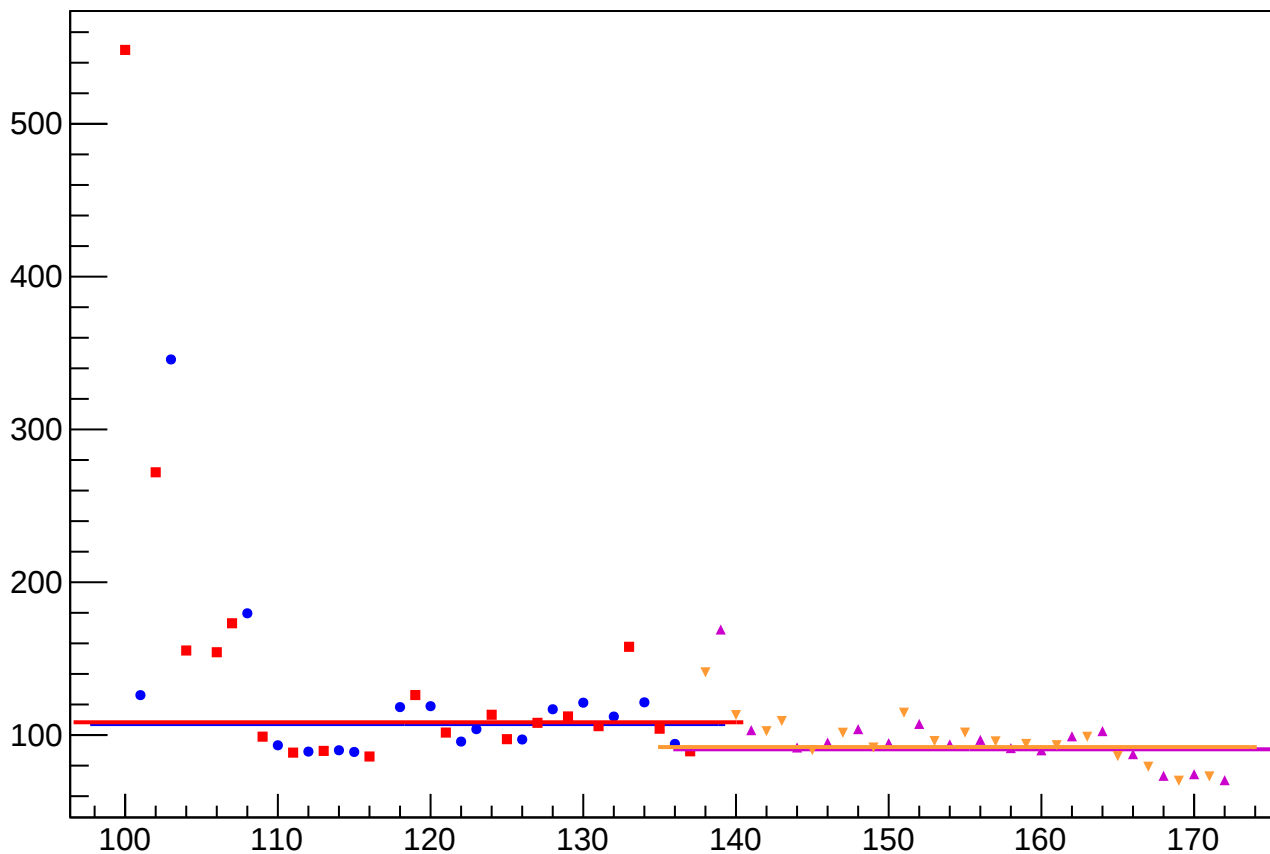
Right: 60.847 $\pm$ 30.633 χ^2 /NDF: 36.7/35

In: 42.798 $\pm$ 21.973 χ^2 /NDF:43.0/33

Out: 58.931 $\pm$ 22.007 χ^2 /NDF:51.4/36

All: 50.852 $\pm$ 15.549 χ^2 /NDF: 94.7/70

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 107.189 $\pm$ 0.031 χ^2 /NDF: 843115.1/16

Left Out: 92.140 $\pm$ 0.018 χ^2 /NDF: 667393.8/17

Right Out: 108.359 $\pm$ 0.030 χ^2 /NDF: 917287.7/18

Left In: 90.682 $\pm$ 0.018 χ^2 /NDF: 727205.2/16

Left: 91.407 $\pm$ 0.013 χ^2 /NDF: 1397860.9/34

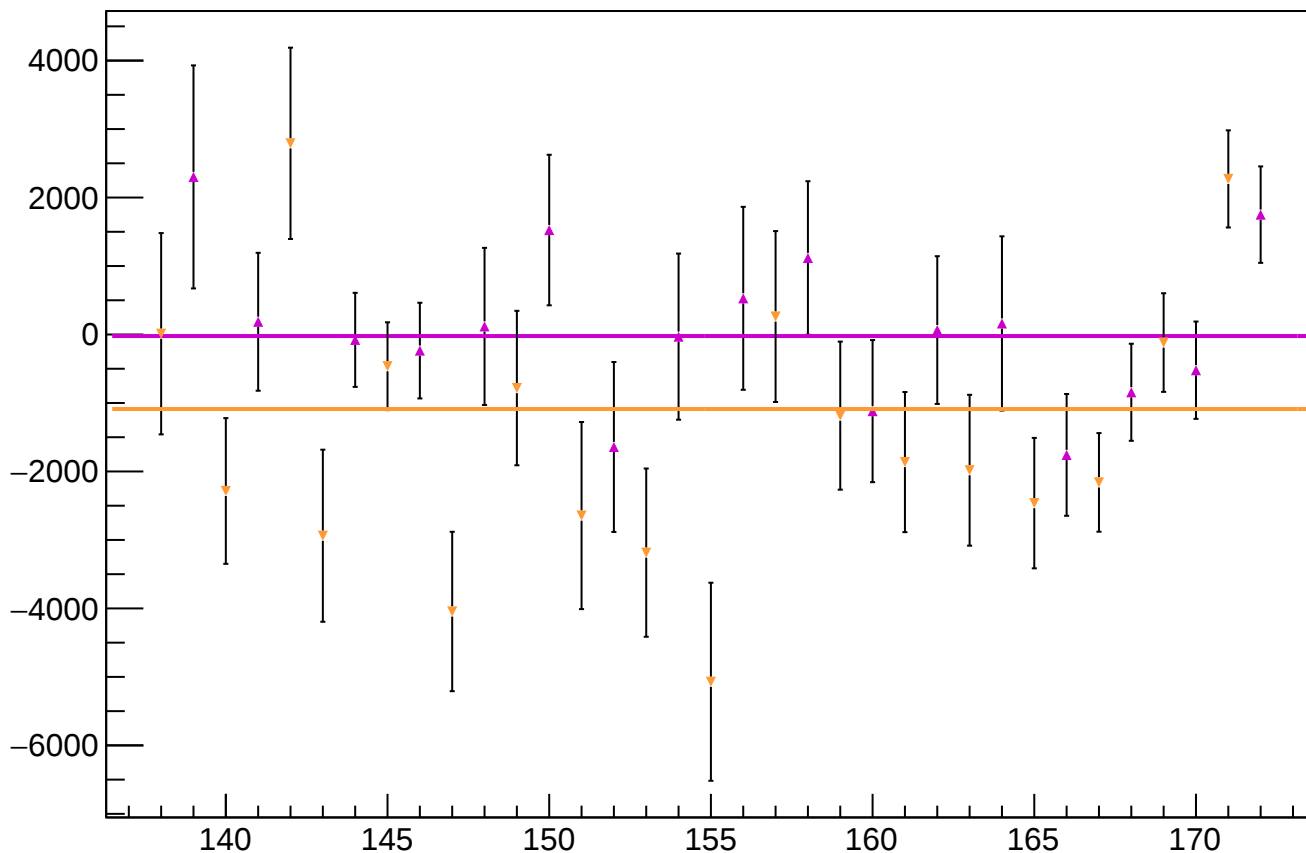
Right: 107.780 $\pm$ 0.022 χ^2 /NDF: 1761132.0/35

In: 94.885 $\pm$ 0.016 χ^2 /NDF: 1784509.2/33

Out: 96.369 $\pm$ 0.016 χ^2 /NDF: 1794068.3/36

All: 95.626 $\pm$ 0.011 χ^2 /NDF: 3583131.8/70

asym_sam3_correction_mean vs Slug, Sign Corrected



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

Left Out: -1088.291+/-233.451 χ^2/NDF :61.9/17

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

Left In: -22.262+/-226.663 χ^2/NDF :20.2/16

Left: -539.552+/-162.622 χ^2/NDF : 92.9/34

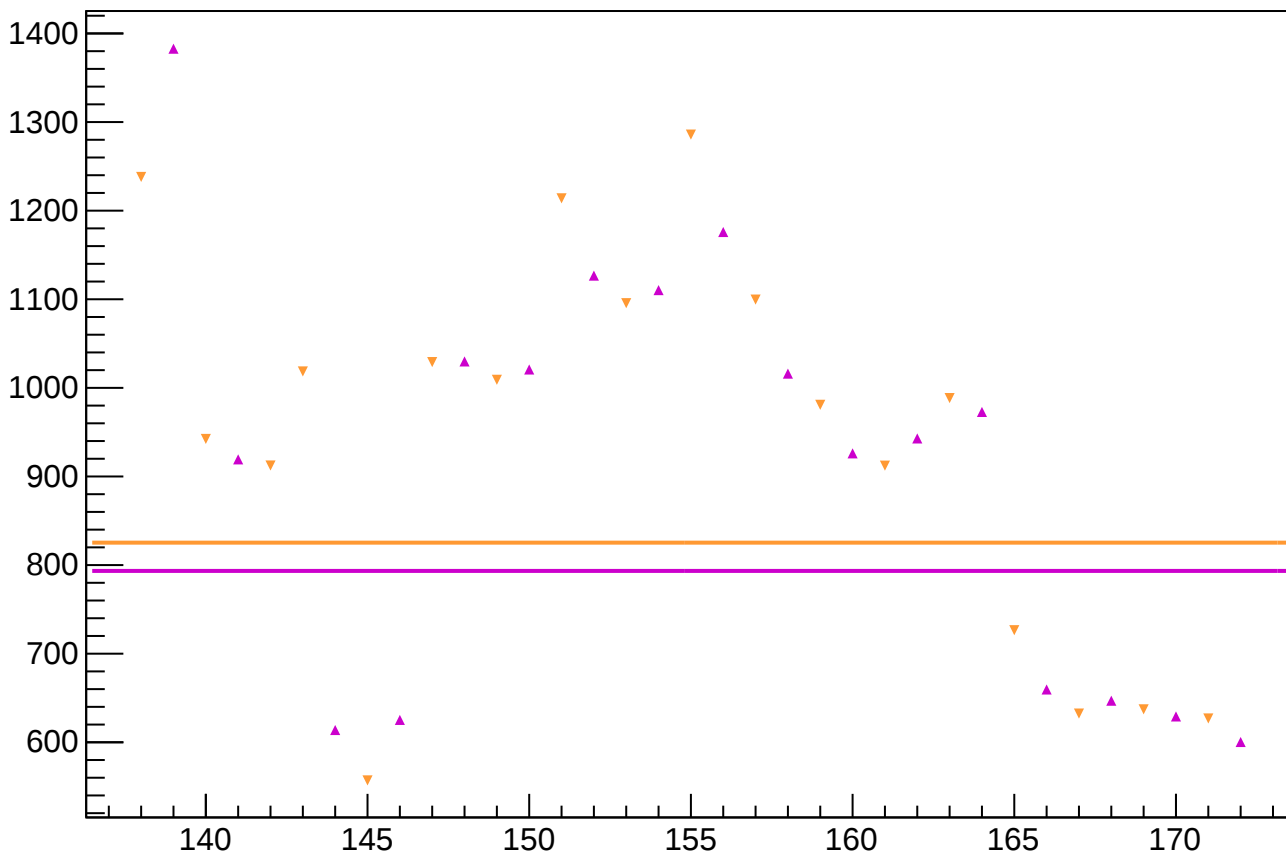
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -22.262+/-226.663 χ^2/NDF :20.2/16

Out: -1088.291+/-233.451 χ^2/NDF :61.9/17

All: -539.552+/-162.622 χ^2/NDF : 92.9/34

asym_sam3_correction_rms vs Slug, Sign Corrected



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

Left Out: 825.320+/-0.165 χ^2/NDF :1817499.5/17

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

Left In: 793.412+/-0.160 χ^2/NDF :1738937.0/16

Left: 808.895+/-0.115 χ^2/NDF : 3575668.8/34

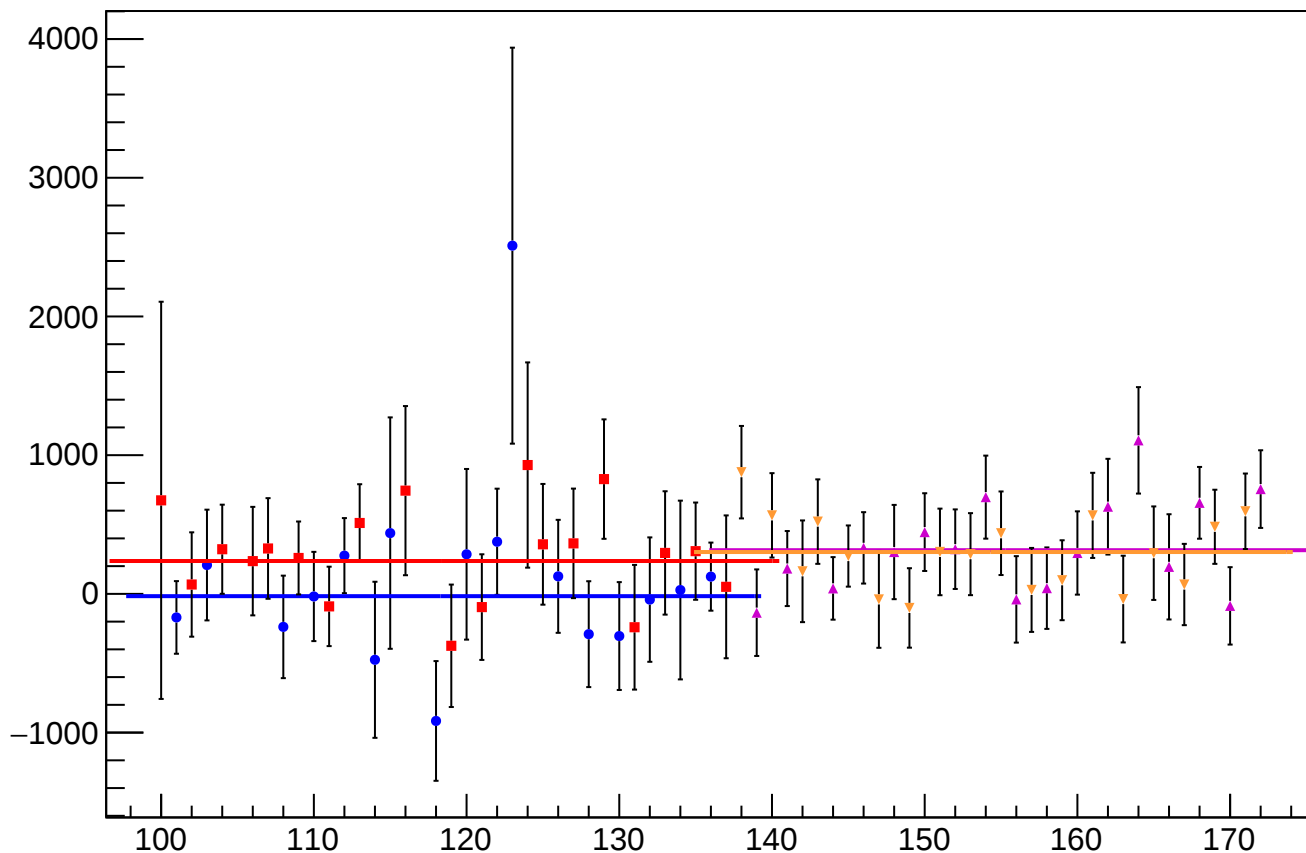
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 793.412+/-0.160 χ^2/NDF :1738937.0/16

Out: 825.320+/-0.165 χ^2/NDF :1817499.5/17

All: 808.895+/-0.115 χ^2/NDF : 3575668.8/34

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: -16.459 ± 93.285 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 301.741 ± 70.104 $\chi^2/\text{NDF}: 13.1/17$

Right Out: 236.984 ± 88.937 $\chi^2/\text{NDF}: 10.3/18$

Left In: 314.949 ± 70.873 $\chi^2/\text{NDF}: 19.3/16$

Left: 308.273 ± 49.841 $\chi^2/\text{NDF}: 32.4/34$

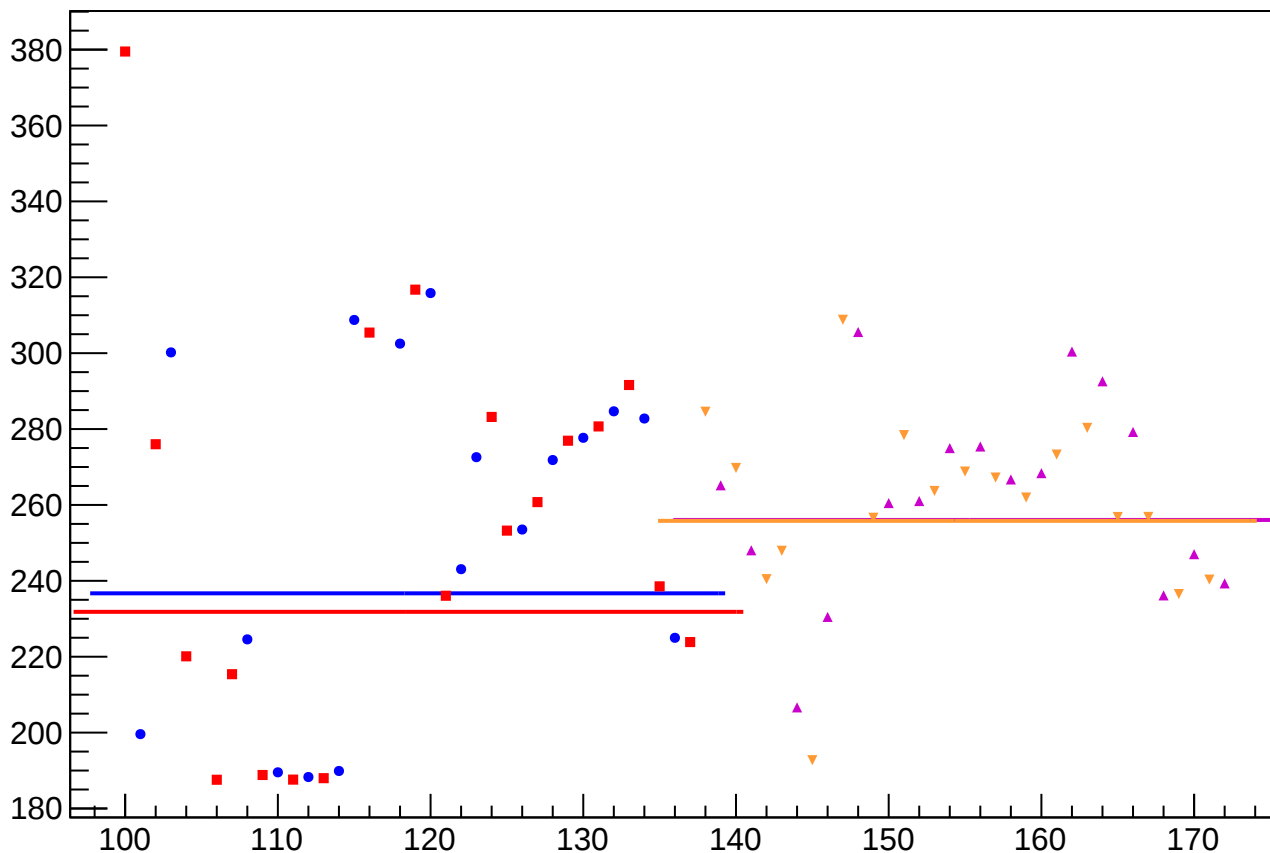
Right: 116.305 ± 64.370 $\chi^2/\text{NDF}: 27.6/35$

In: 193.662 ± 56.433 $\chi^2/\text{NDF}: 40.8/33$

Out: 276.925 ± 55.056 $\chi^2/\text{NDF}: 23.7/36$

All: 236.322 ± 39.408 $\chi^2/\text{NDF}: 65.6/70$

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 236.706 $\pm$ 0.066 χ^2 /NDF: 390344.9/16

Left Out: 255.811 $\pm$ 0.050 χ^2 /NDF: 288672.7/17

Right Out: 231.828 $\pm$ 0.063 χ^2 /NDF: 443276.3/18

Left In: 256.045 $\pm$ 0.050 χ^2 /NDF: 264228.5/16

Left: 255.927 $\pm$ 0.035 χ^2 /NDF: 552912.3/34

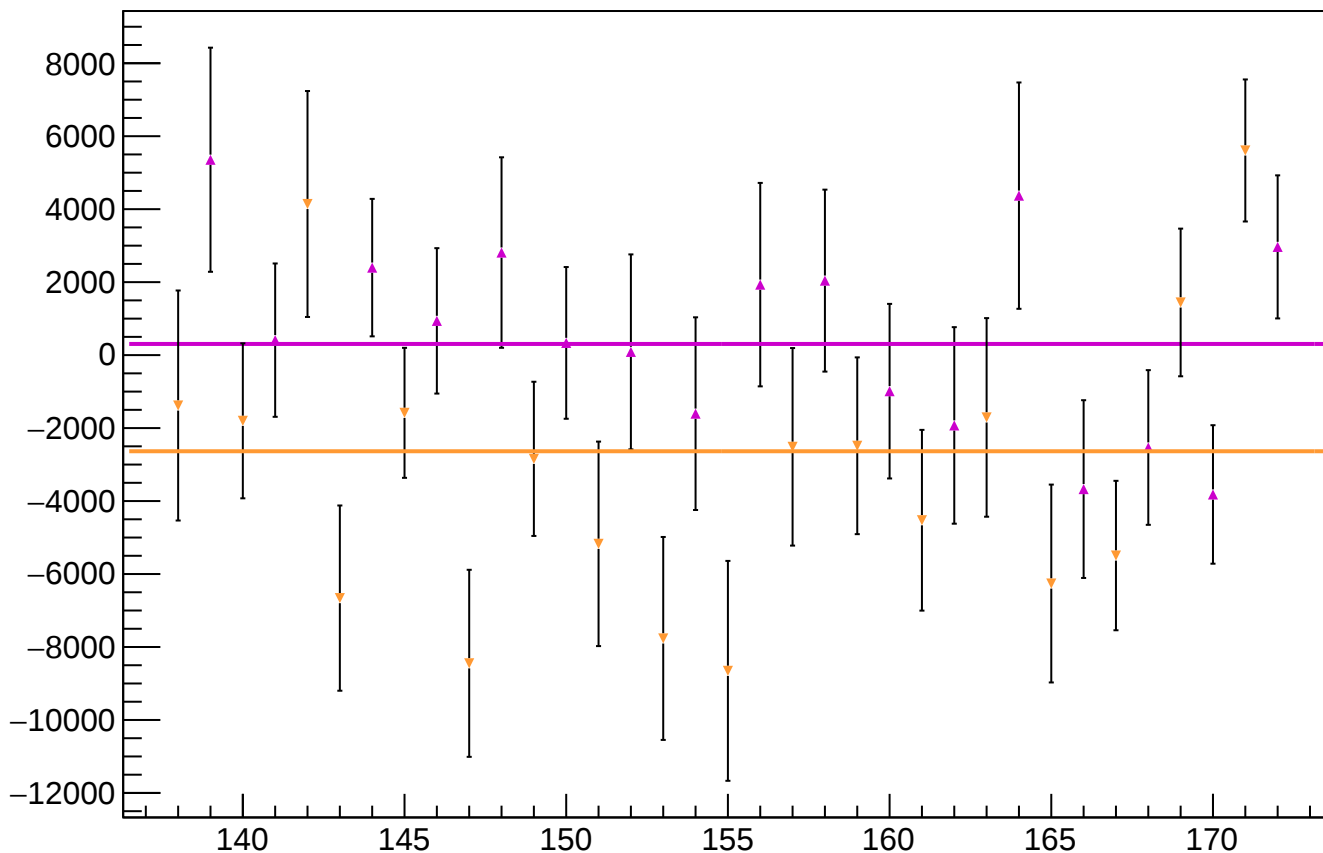
Right: 234.151 $\pm$ 0.046 χ^2 /NDF: 836486.0/35

In: 248.968 $\pm$ 0.040 χ^2 /NDF: 709072.9/33

Out: 246.620 $\pm$ 0.039 χ^2 /NDF: 821646.5/36

All: 247.765 $\pm$ 0.028 χ^2 /NDF: 1532492.7/70

asym_sam4_correction_mean vs Slug, Sign Corrected



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

Left Out: -2634.900+/-565.485 χ^2/NDF :47.8/17

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

Left In: 305.819+/-562.346 χ^2/NDF :20.0/16

Left: -1156.354+/-398.744 χ^2/NDF : 81.4/34

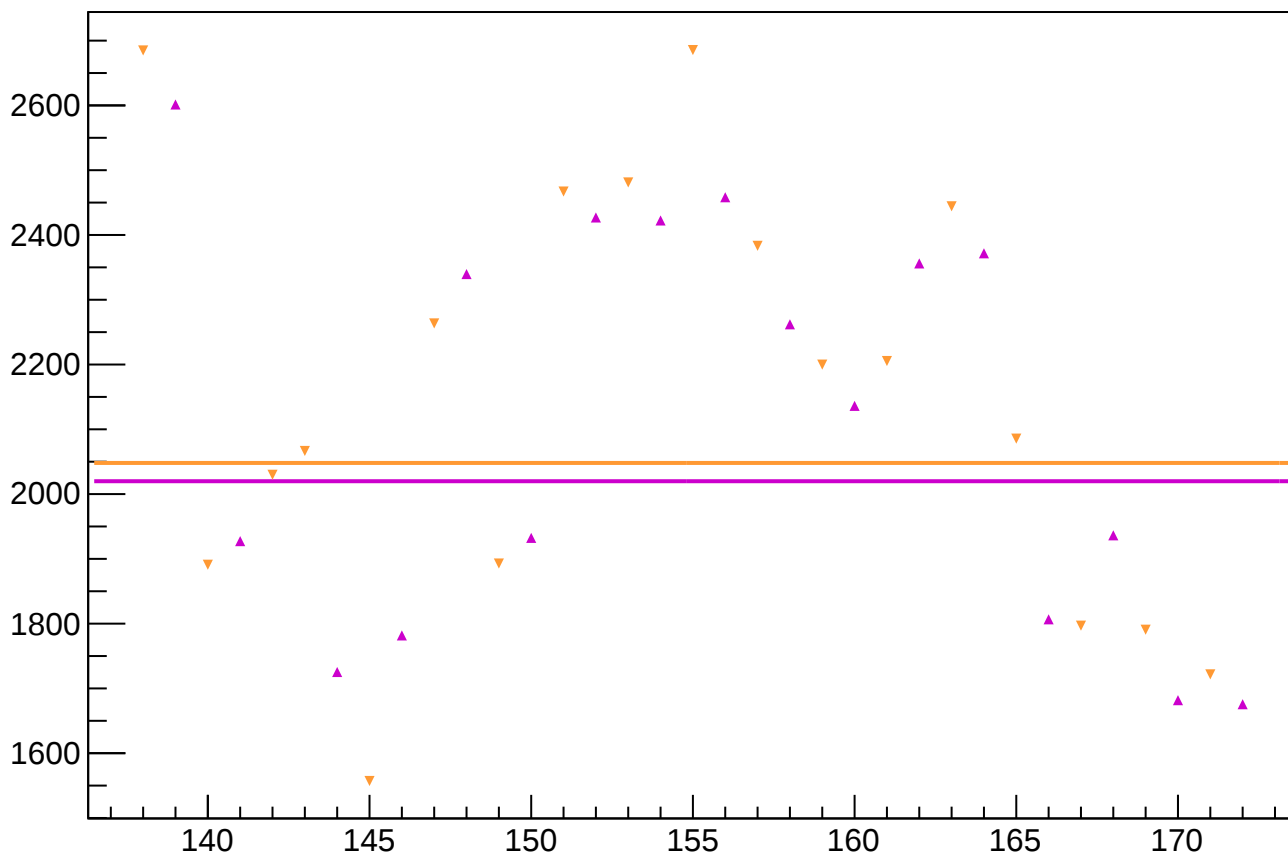
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 305.819+/-562.346 χ^2/NDF :20.0/16

Out: -2634.900+/-565.485 χ^2/NDF :47.8/17

All: -1156.354+/-398.744 χ^2/NDF : 81.4/34

asym_sam4_correction_rms vs Slug, Sign Corrected



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

Left Out: 2048.079+/-0.400 χ^2/NDF :660242.8/17

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

Left In: 2019.857+/-0.398 χ^2/NDF :552920.0/16

Left: 2033.890+/-0.282 χ^2/NDF : 1215667.4/34

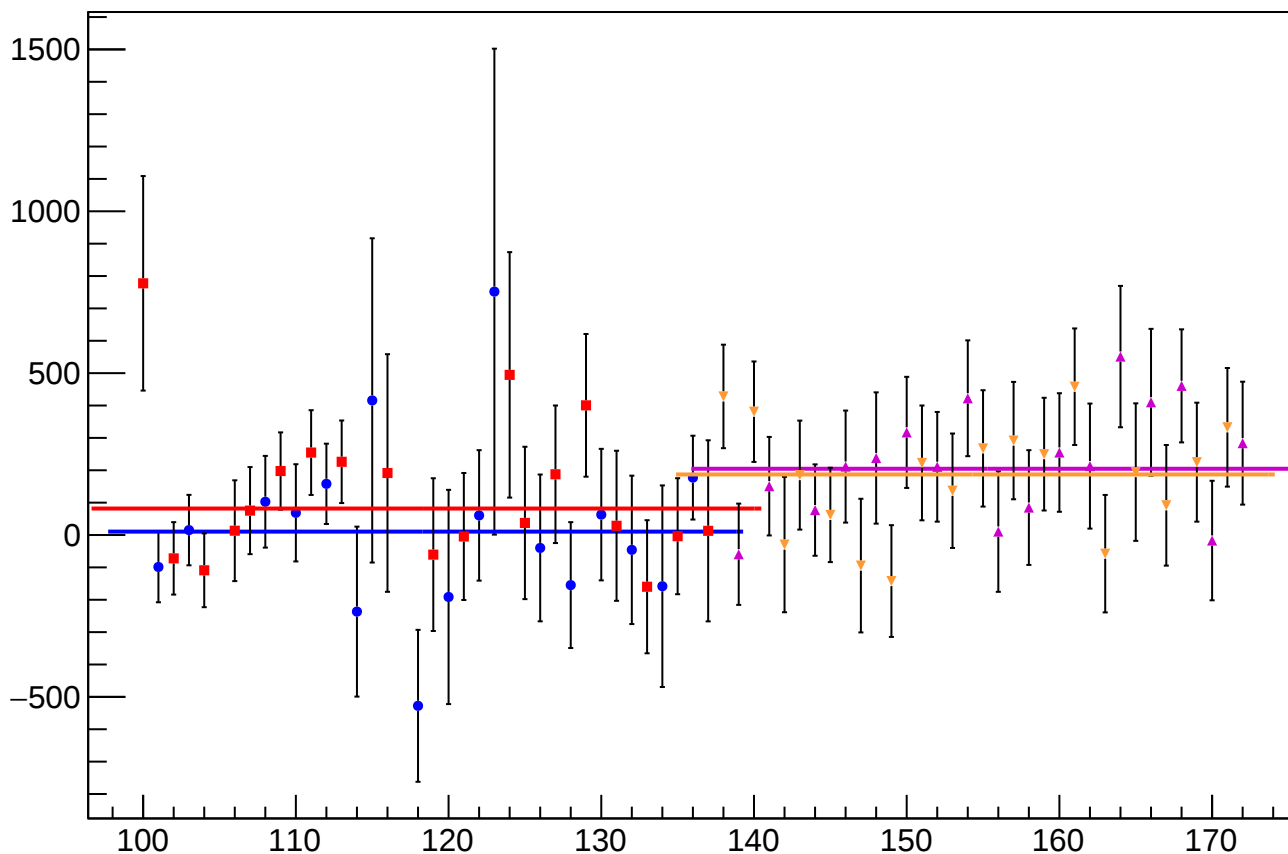
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 2019.857+/-0.398 χ^2/NDF :552920.0/16

Out: 2048.079+/-0.400 χ^2/NDF :660242.8/17

All: 2033.890+/-0.282 χ^2/NDF : 1215667.4/34

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 10.530+/-42.294 χ^2/NDF : 14.1/16

Left Out: 187.056+/-41.783 χ^2/NDF :17.0/17

Right Out: 81.802+/-38.985 χ^2/NDF : 19.2/18

Left In: 204.655+/-43.046 χ^2/NDF :14.5/16

Left: 195.594+/-29.982 χ^2/NDF : 31.5/34

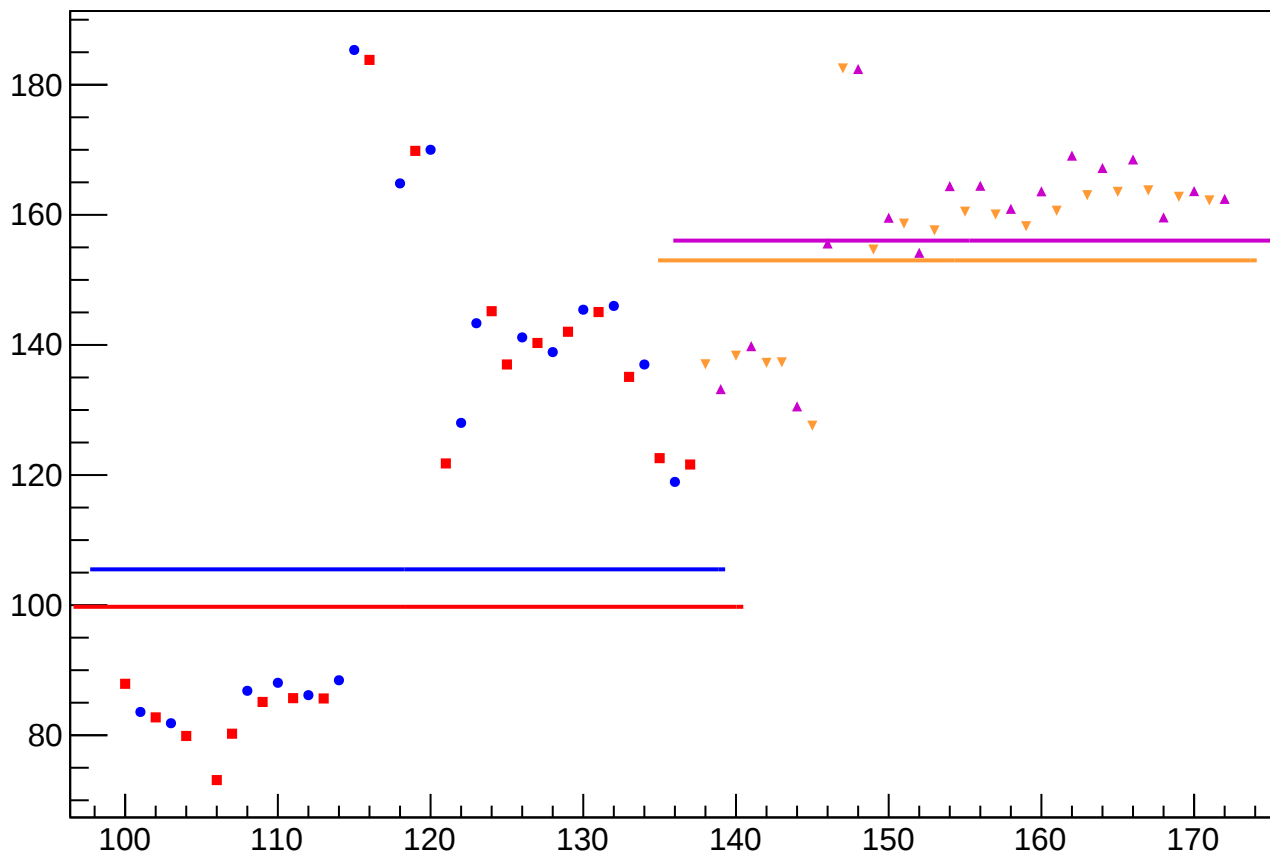
Right: 49.063+/-28.665 χ^2/NDF : 34.8/35

In: 105.883+/-30.169 χ^2/NDF :38.9/33

Out: 130.787+/-28.504 χ^2/NDF :39.5/36

All: 119.041+/-20.719 χ^2/NDF : 78.8/70

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 105.503 $\pm$ 0.030 χ^2/NDF : 869022.6/16

Left Out: 153.001 $\pm$ 0.030 χ^2/NDF :212136.1/17

Right Out: 99.744 $\pm$ 0.028 χ^2/NDF : 1000097.3/18

Left In: 156.044 $\pm$ 0.030 χ^2/NDF :205888.0/16

Left: 154.477 $\pm$ 0.021 χ^2/NDF : 423171.9/34

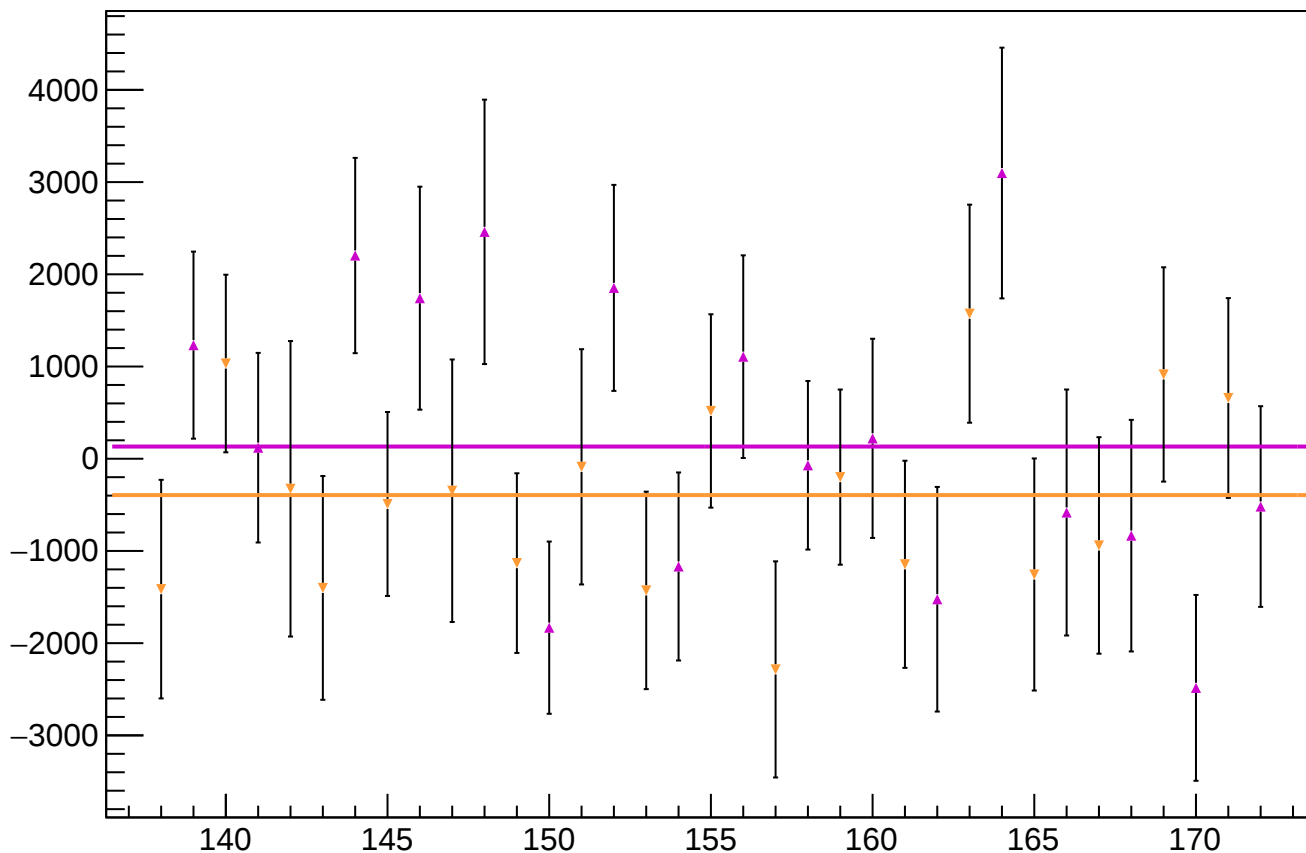
Right: 102.389 $\pm$ 0.020 χ^2/NDF : 1889165.6/35

In: 130.328 $\pm$ 0.021 χ^2/NDF :2477778.2/33

Out: 124.529 $\pm$ 0.020 χ^2/NDF :2949272.1/36

All: 127.265 $\pm$ 0.015 χ^2/NDF : 5466091.1/70

asym_sam5_correction_mean vs Slug, Sign Corrected



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

Left Out: -394.272+/-266.289 χ^2/NDF :14.7/17

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

Left In: 132.182+/-267.122 χ^2/NDF :33.3/16

Left: -131.867+/-188.588 χ^2/NDF : 49.9/34

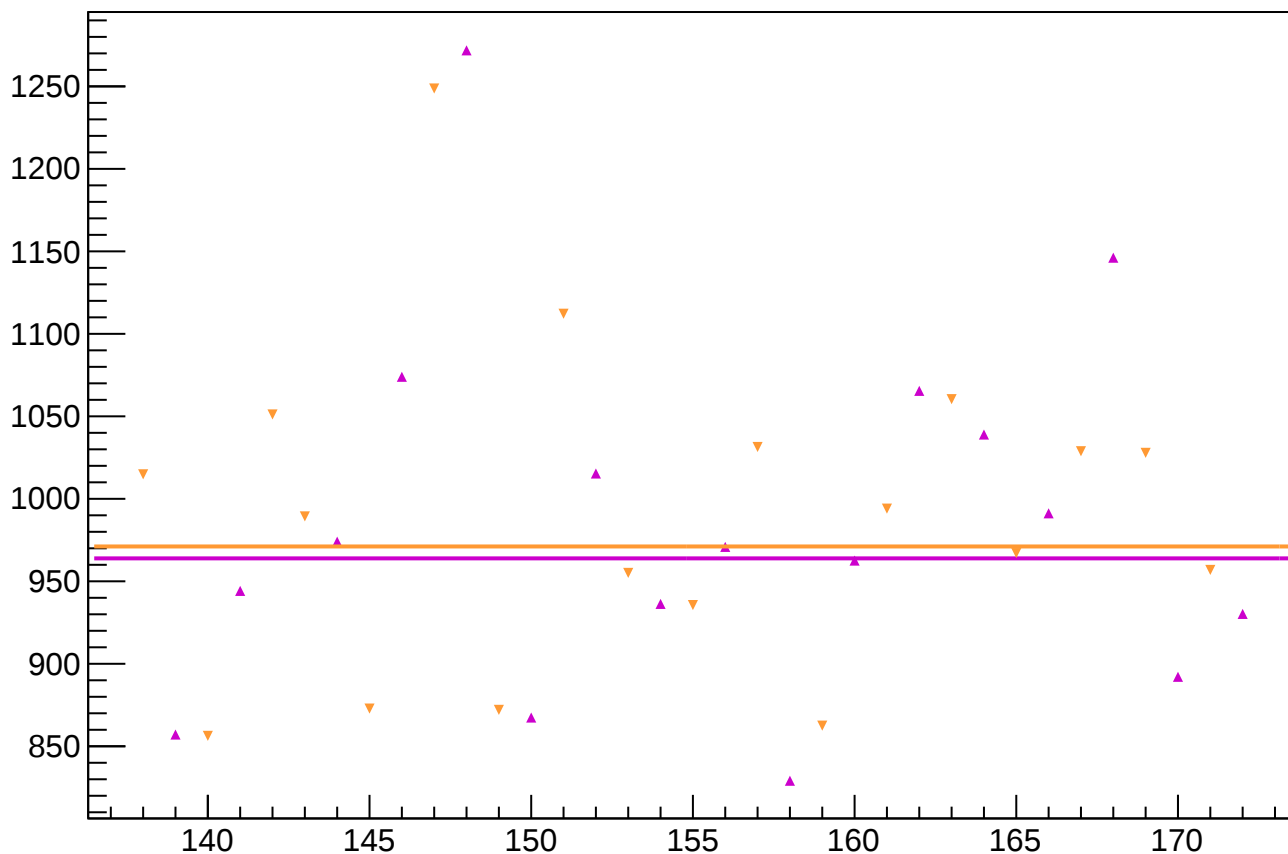
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 132.182+/-267.122 χ^2/NDF :33.3/16

Out: -394.272+/-266.289 χ^2/NDF :14.7/17

All: -131.867+/-188.588 χ^2/NDF : 49.9/34

asym_sam5_correction_rms vs Slug, Sign Corrected



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

Left Out: 971.119+/-0.188 χ^2/NDF :233594.5/17

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

Left In: 963.899+/-0.189 χ^2/NDF :277612.8/16

Left: 967.520+/-0.133 χ^2/NDF : 511940.1/34

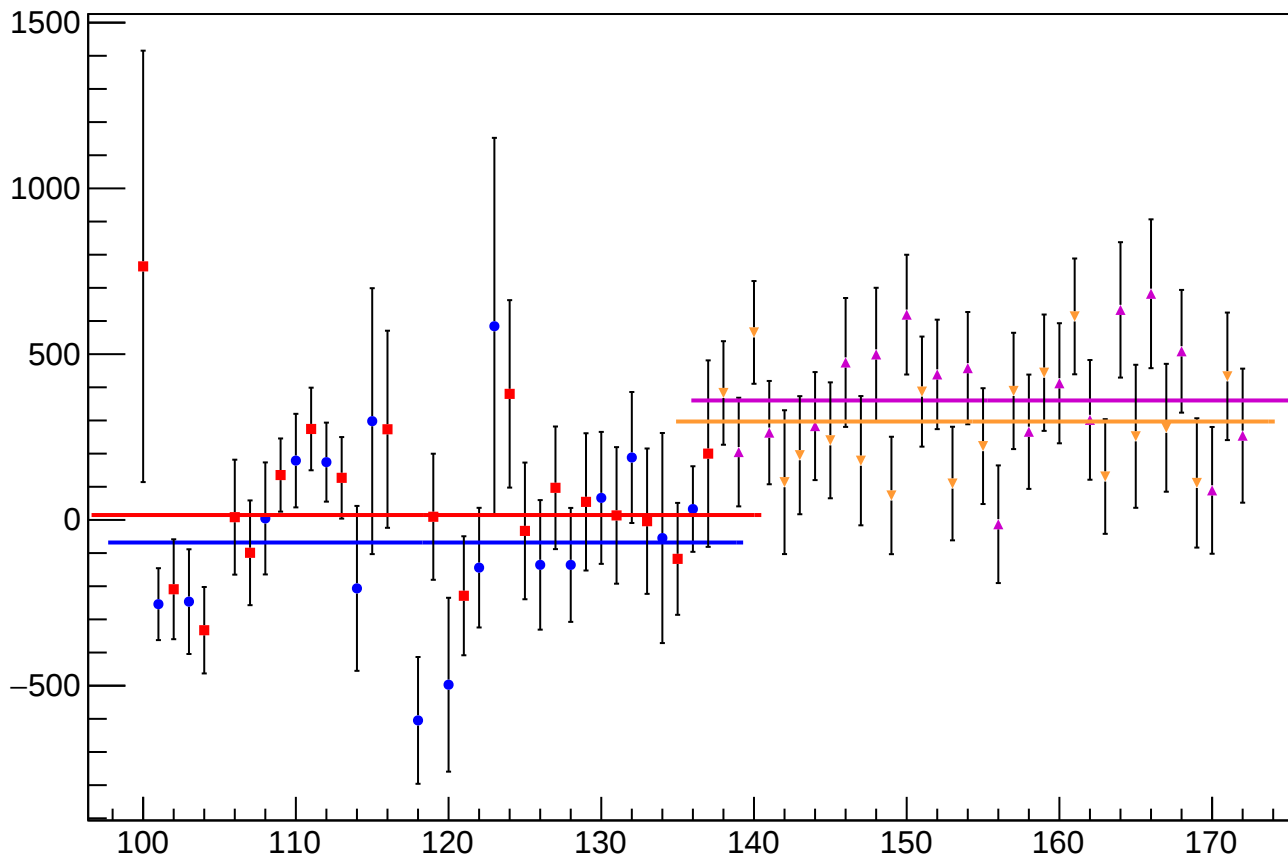
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 963.899+/-0.189 χ^2/NDF :277612.8/16

Out: 971.119+/-0.188 χ^2/NDF :233594.5/17

All: 967.520+/-0.133 χ^2/NDF : 511940.1/34

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -68.111 ± 42.265 χ^2/NDF : 27.8/16

Left Out: 296.849 ± 42.169 χ^2/NDF : 14.7/17

Right Out: 14.800 ± 39.467 χ^2/NDF : 23.1/18

Left In: 360.346 ± 43.812 χ^2/NDF : 16.6/16

Left: 327.384 ± 30.382 χ^2/NDF : 32.5/34

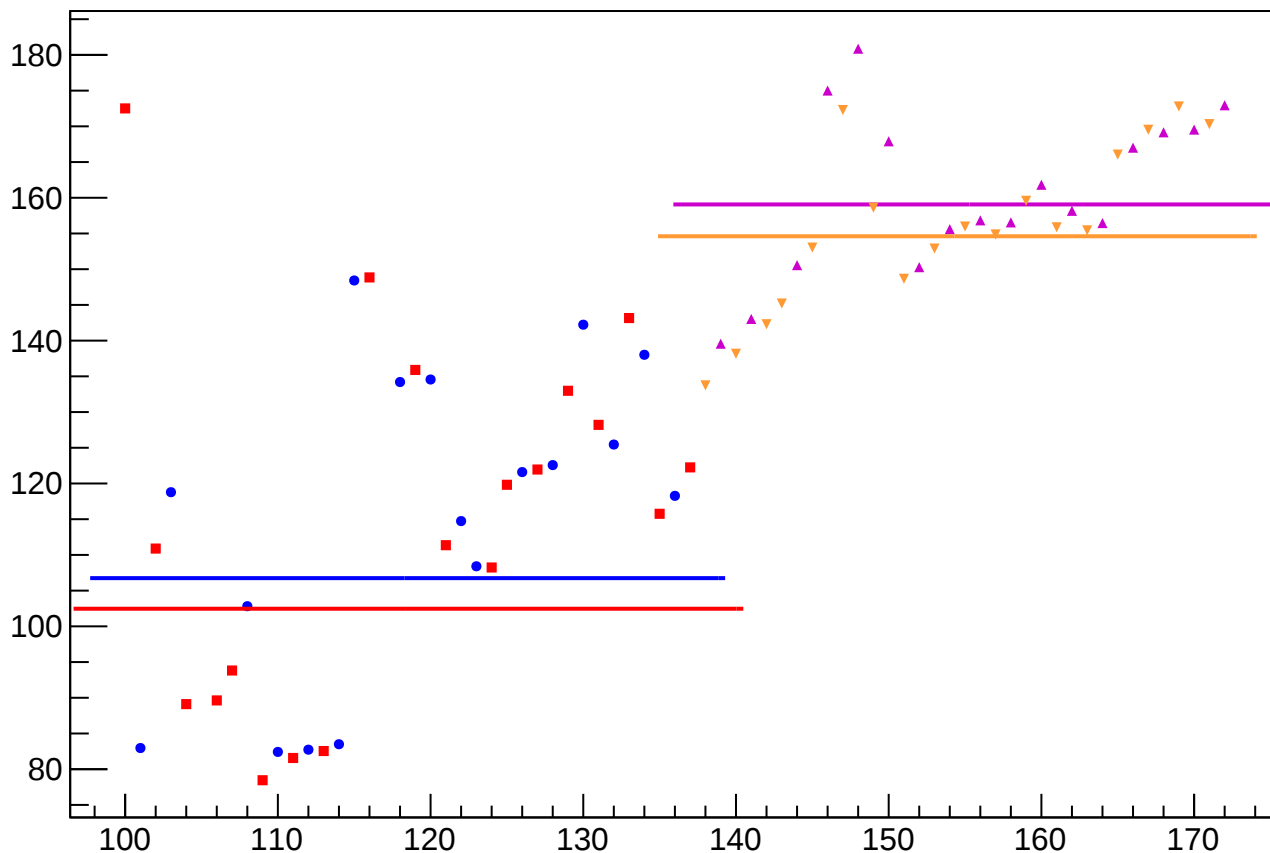
Right: -23.820 ± 28.846 χ^2/NDF : 53.0/35

In: 138.421 ± 30.418 χ^2/NDF : 94.0/33

Out: 146.499 ± 28.815 χ^2/NDF : 61.7/36

All: 142.678 ± 20.919 χ^2/NDF : 155.8/70

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 106.749 $\pm$ 0.030 χ^2 /NDF: 501742.8/16

Left Out: 154.609 $\pm$ 0.030 χ^2 /NDF:140836.7/17

Right Out: 102.467 $\pm$ 0.028 χ^2 /NDF: 589344.0/18

Left In: 159.066 $\pm$ 0.031 χ^2 /NDF:128678.2/16

Left: 156.753 $\pm$ 0.021 χ^2 /NDF: 280259.3/34

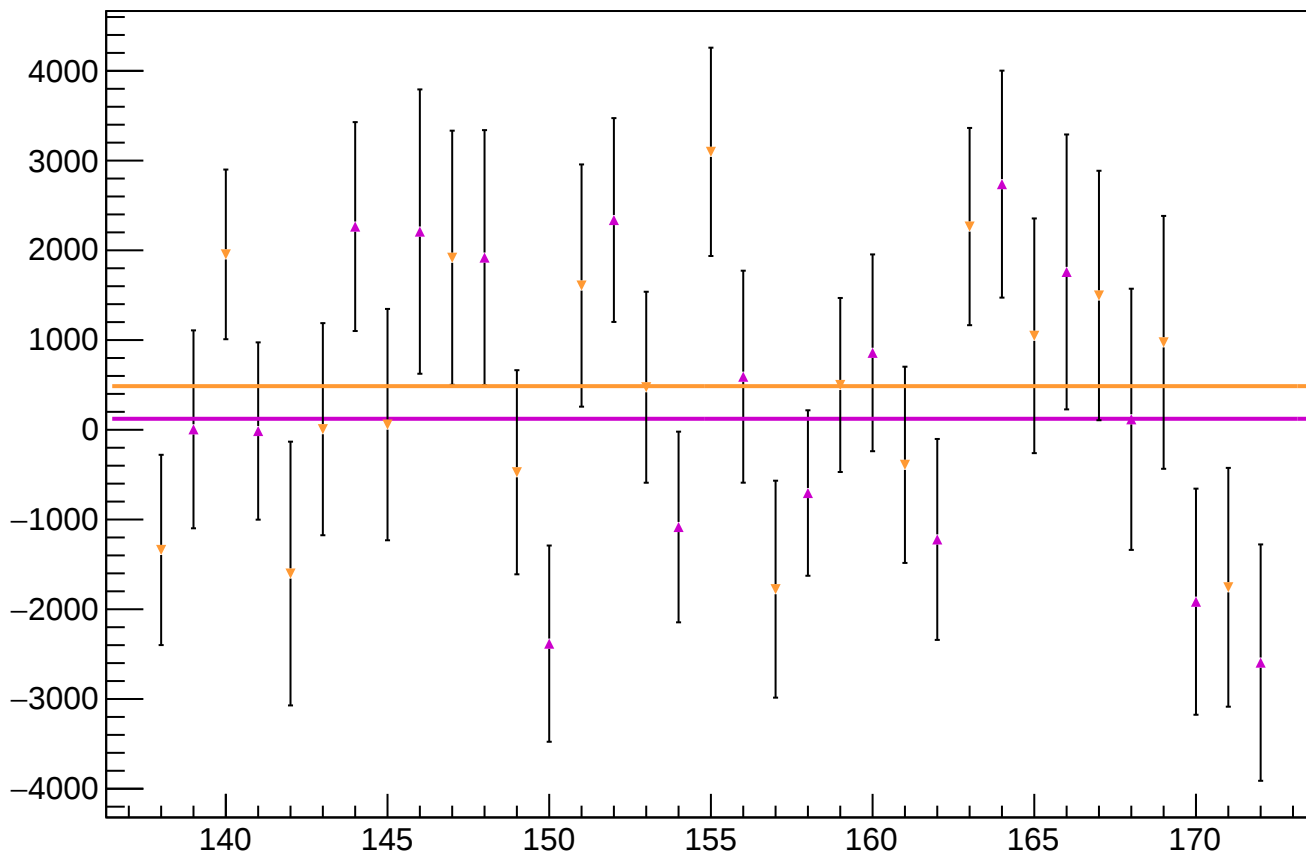
Right: 104.462 $\pm$ 0.020 χ^2 /NDF: 1102055.3/35

In: 131.968 $\pm$ 0.022 χ^2 /NDF:2107577.2/33

Out: 126.814 $\pm$ 0.020 χ^2 /NDF:2360264.3/36

All: 129.252 $\pm$ 0.015 χ^2 /NDF: 4498103.4/70

asym_sam6_correction_mean vs Slug, Sign Corrected



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

Left Out: 486.403+/-279.322 χ^2/NDF :25.6/17

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

Left In: 122.687+/-285.968 χ^2/NDF :32.2/16

Left: 308.820+/-199.819 χ^2/NDF : 58.7/34

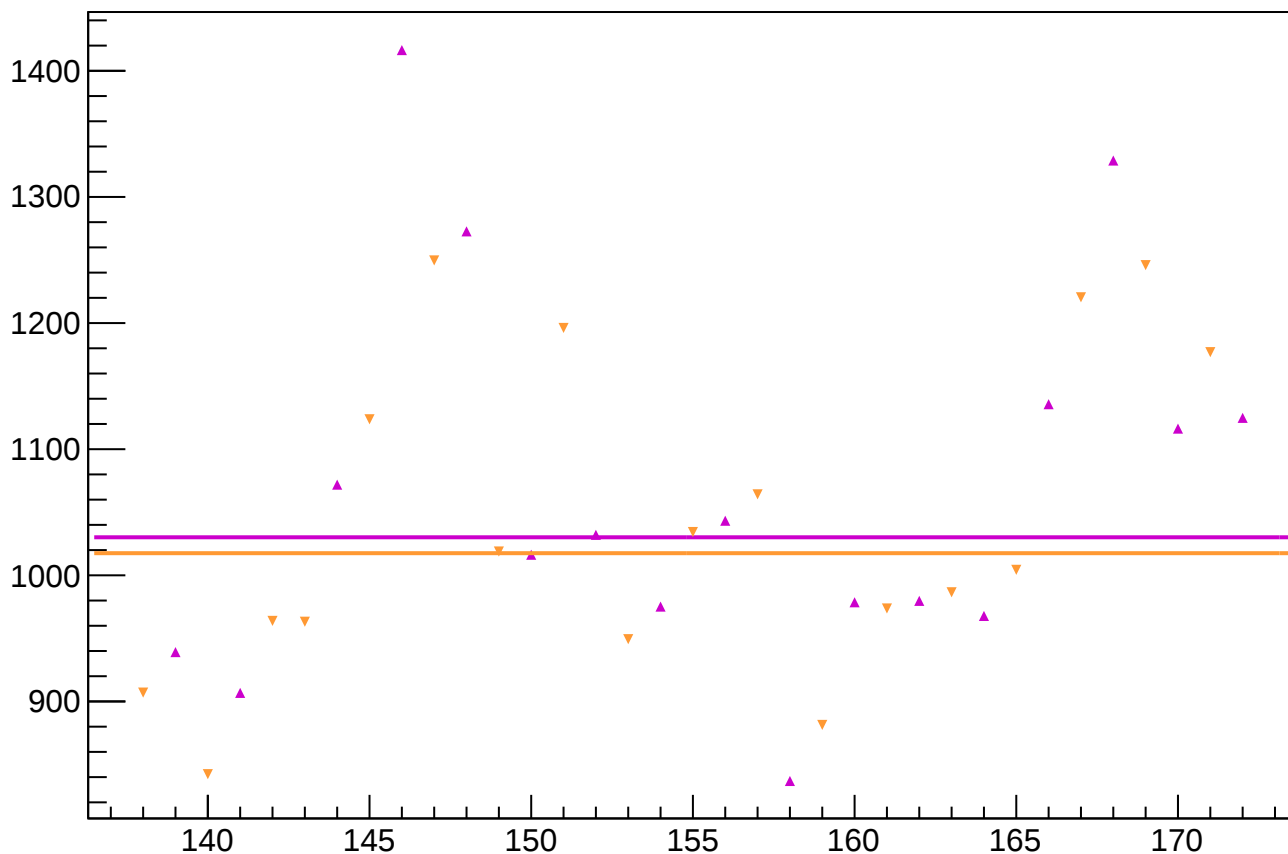
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 122.687+/-285.968 χ^2/NDF :32.2/16

Out: 486.403+/-279.322 χ^2/NDF :25.6/17

All: 308.820+/-199.819 χ^2/NDF : 58.7/34

asym_sam6_correction_rms vs Slug, Sign Corrected



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

Left Out: 1017.551+/-0.198 χ^2/NDF : 379538.7/17

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

Left In: 1030.154+/-0.202 χ^2/NDF : 445116.6/16

Left: 1023.704+/-0.141 χ^2/NDF : 826643.5/34

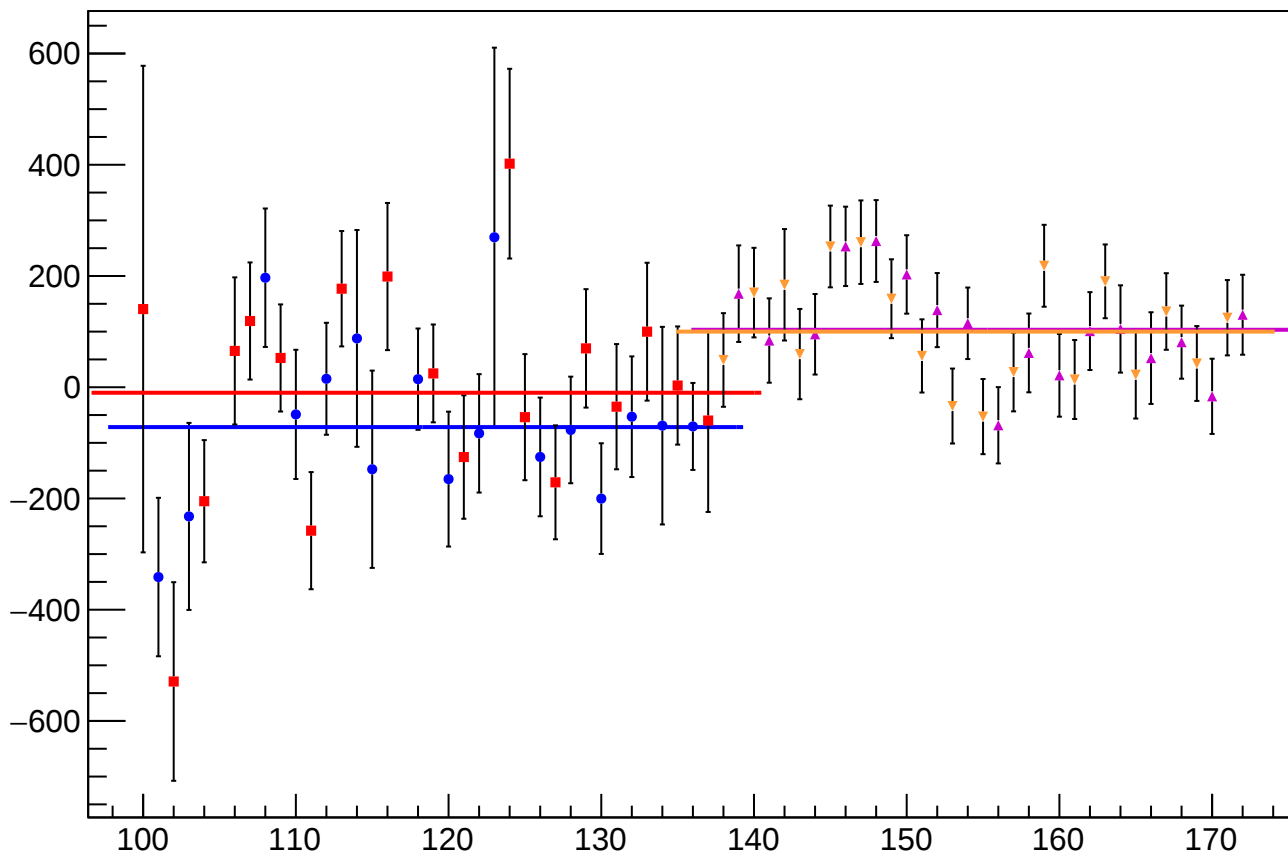
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1030.154+/-0.202 χ^2/NDF : 445116.6/16

Out: 1017.551+/-0.198 χ^2/NDF : 379538.7/17

All: 1023.704+/-0.141 χ^2/NDF : 826643.5/34

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -71.669 ± 28.358 $\chi^2/\text{NDF}: 15.2/16$

Left Out: 100.041 ± 17.149 $\chi^2/\text{NDF}: 30.3/17$

Right Out: -9.917 ± 26.816 $\chi^2/\text{NDF}: 36.5/18$

Left In: 103.320 ± 17.415 $\chi^2/\text{NDF}: 23.7/16$

Left: 101.655 ± 12.219 $\chi^2/\text{NDF}: 54.0/34$

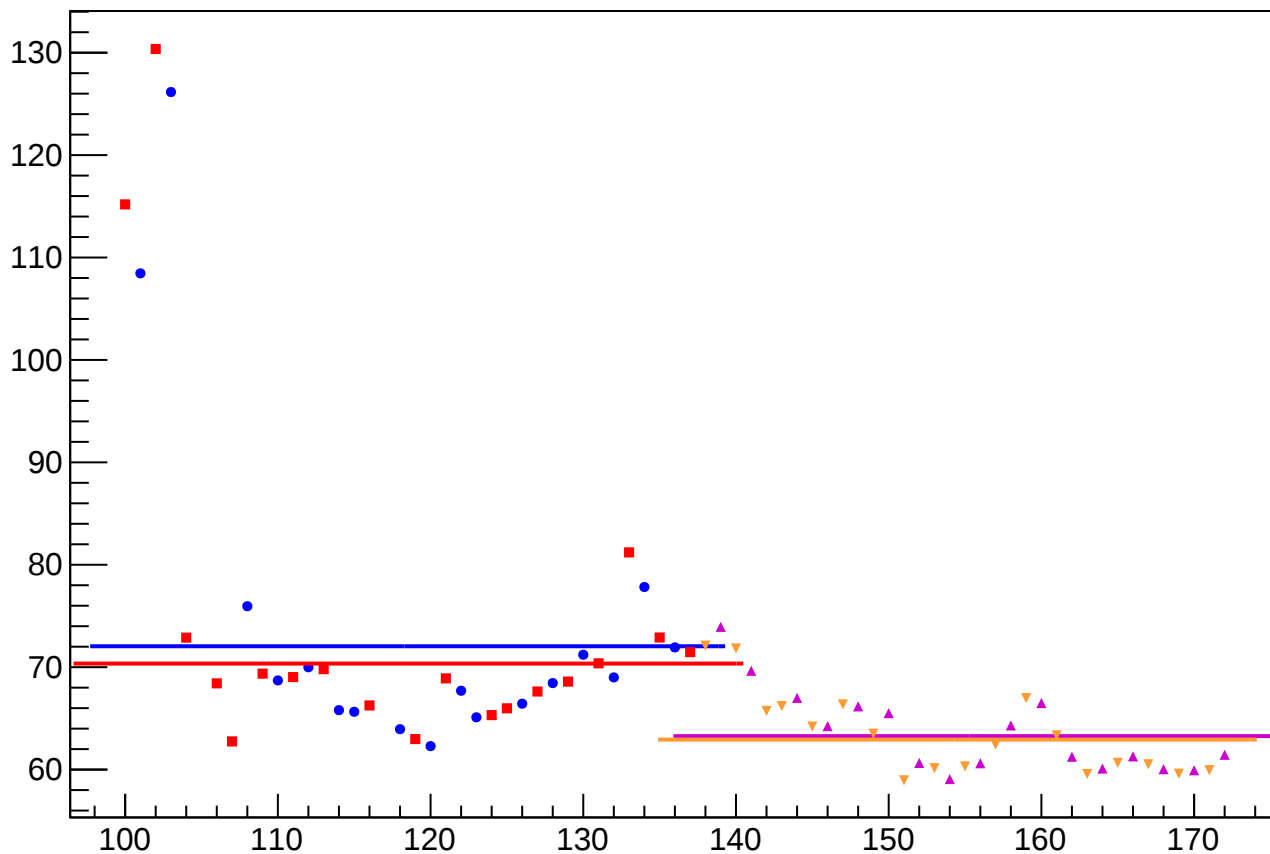
Right: -39.068 ± 19.484 $\chi^2/\text{NDF}: 54.2/35$

In: 55.399 ± 14.840 $\chi^2/\text{NDF}: 66.6/33$

Out: 68.124 ± 14.447 $\chi^2/\text{NDF}: 78.7/36$

All: 61.932 ± 10.352 $\chi^2/\text{NDF}: 145.6/70$

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 72.042 $\pm$ 0.020 χ^2 /NDF: 391971.7/16

Left Out: 62.928 $\pm$ 0.012 χ^2 /NDF: 95935.2/17

Right Out: 70.351 $\pm$ 0.019 χ^2 /NDF: 299005.5/18

Left In: 63.266 $\pm$ 0.012 χ^2 /NDF: 91032.3/16

Left: 63.095 $\pm$ 0.009 χ^2 /NDF: 187350.2/34

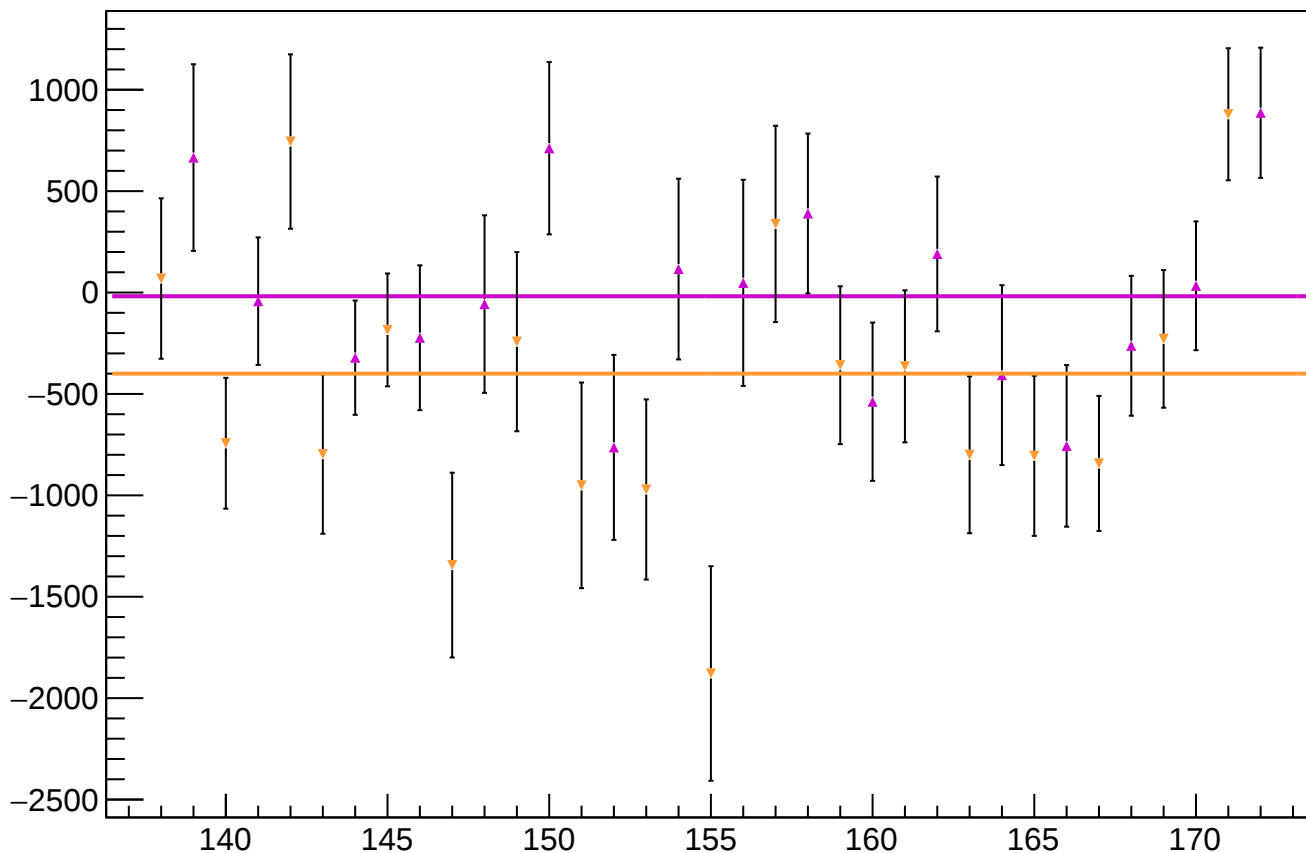
Right: 71.149 $\pm$ 0.014 χ^2 /NDF: 694733.5/35

In: 65.670 $\pm$ 0.010 χ^2 /NDF: 622089.7/33

Out: 65.083 $\pm$ 0.010 χ^2 /NDF: 503694.2/36

All: 65.368 $\pm$ 0.007 χ^2 /NDF: 1127389.8/70

asym_sam7_correction_mean vs Slug, Sign Corrected



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

Left Out: -399.812+/-90.719 χ^2/NDF :48.2/17

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

Left In: -18.208+/-91.656 χ^2/NDF :25.3/16

Left: -210.971+/-64.477 χ^2/NDF : 82.2/34

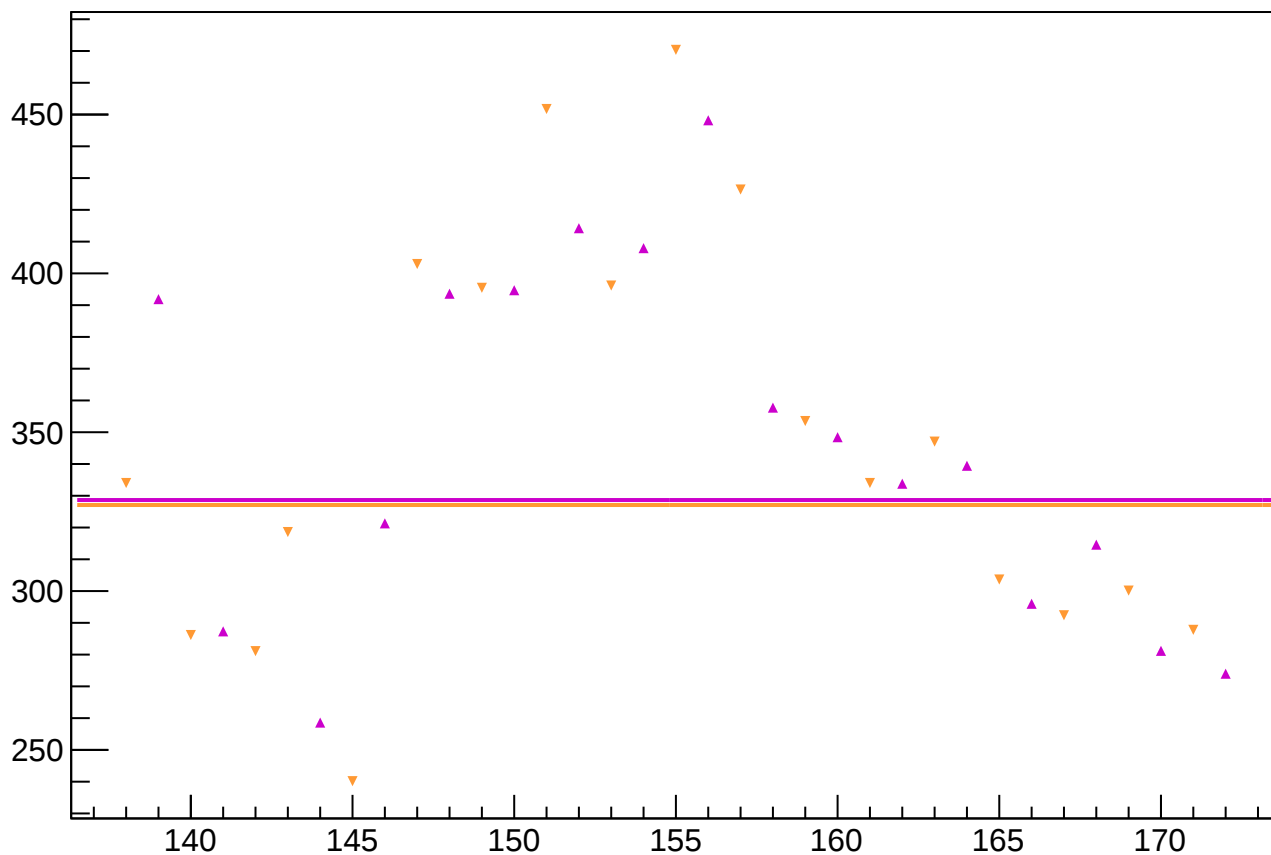
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.208+/-91.656 χ^2/NDF :25.3/16

Out: -399.812+/-90.719 χ^2/NDF :48.2/17

All: -210.971+/-64.477 χ^2/NDF : 82.2/34

asym_sam7_correction_rms vs Slug, Sign Corrected



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

Left Out: 327.086+/-0.064 χ^2/NDF :841106.9/17

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

Left In: 328.657+/-0.065 χ^2/NDF :670540.3/16

Left: 327.863+/-0.046 χ^2/NDF : 1511943.8/34

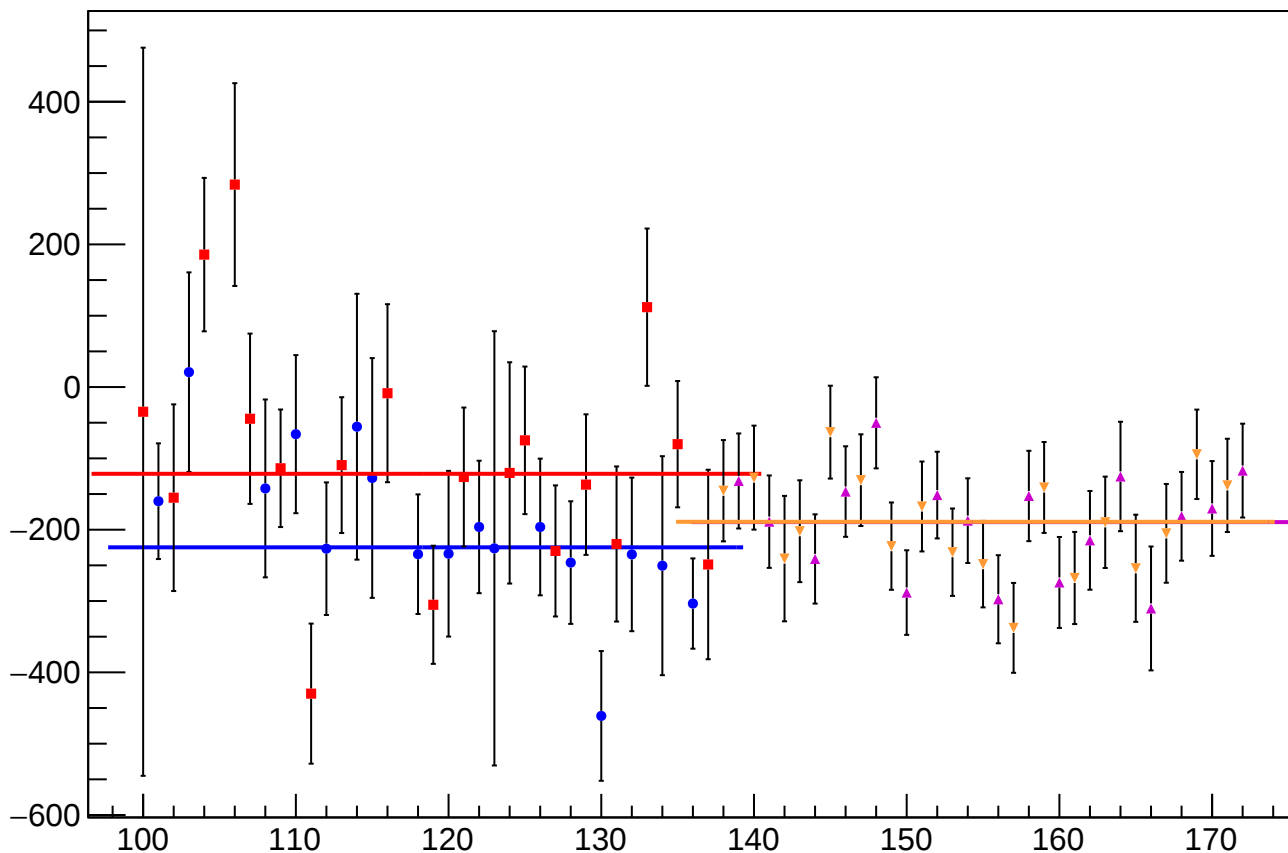
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 328.657+/-0.065 χ^2/NDF :670540.3/16

Out: 327.086+/-0.064 χ^2/NDF :841106.9/17

All: 327.863+/-0.046 χ^2/NDF : 1511943.8/34

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -224.727 ± 24.880 $\chi^2/\text{NDF}: 16.0/16$

Left Out: -188.915 ± 15.612 $\chi^2/\text{NDF}: 19.2/17$

Right Out: -121.633 ± 24.599 $\chi^2/\text{NDF}: 40.5/18$

Left In: -189.345 ± 15.741 $\chi^2/\text{NDF}: 19.0/16$

Left: -189.128 ± 11.085 $\chi^2/\text{NDF}: 38.3/34$

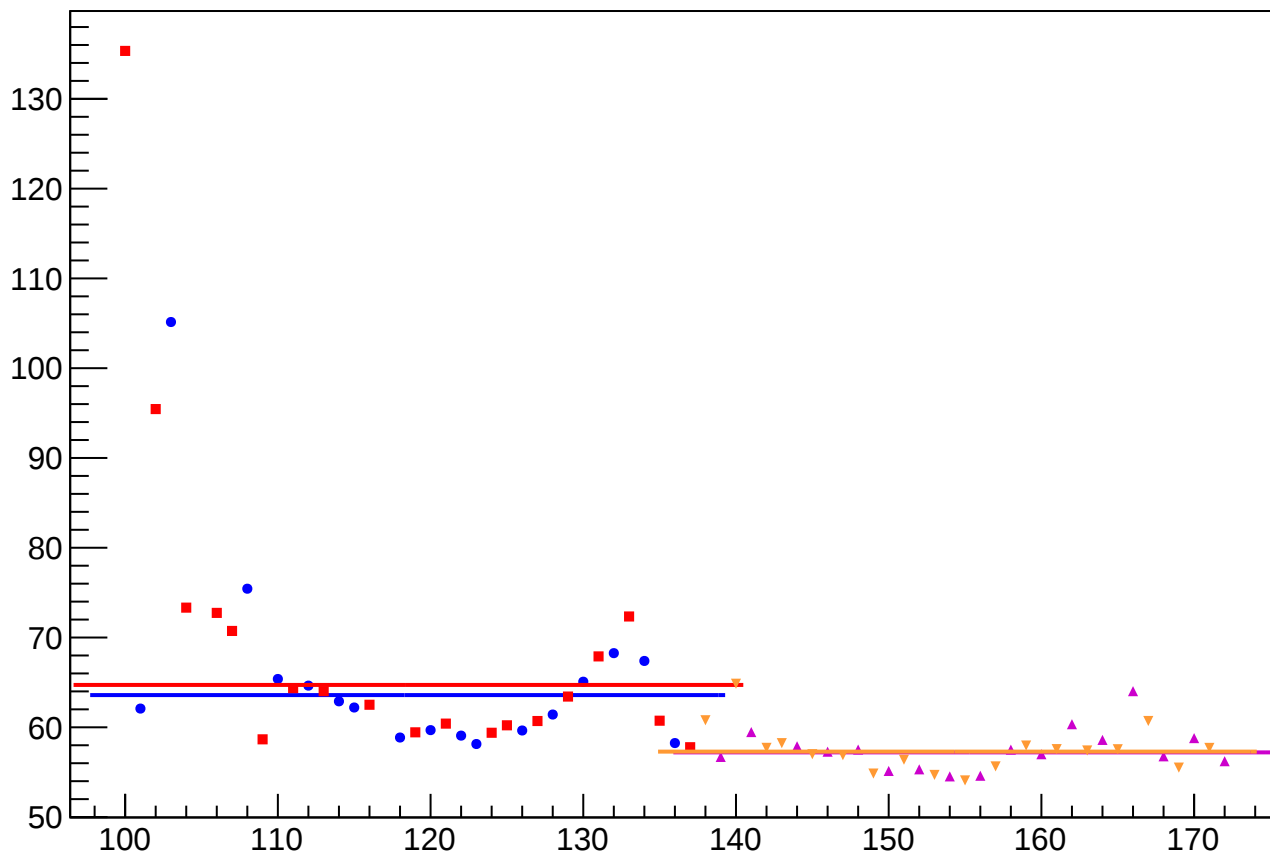
Right: -172.594 ± 17.493 $\chi^2/\text{NDF}: 65.1/35$

In: -199.459 ± 13.302 $\chi^2/\text{NDF}: 36.5/33$

Out: -169.596 ± 13.182 $\chi^2/\text{NDF}: 65.0/36$

All: -184.391 ± 9.363 $\chi^2/\text{NDF}: 104.0/70$

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 63.589 $\pm$ 0.018 χ^2 /NDF: 234601.0/16

Left Out: 57.293 $\pm$ 0.011 χ^2 /NDF: 47868.9/17

Right Out: 64.720 $\pm$ 0.017 χ^2 /NDF: 227506.4/18

Left In: 57.206 $\pm$ 0.011 χ^2 /NDF: 33663.2/16

Left: 57.250 $\pm$ 0.008 χ^2 /NDF: 81562.2/34

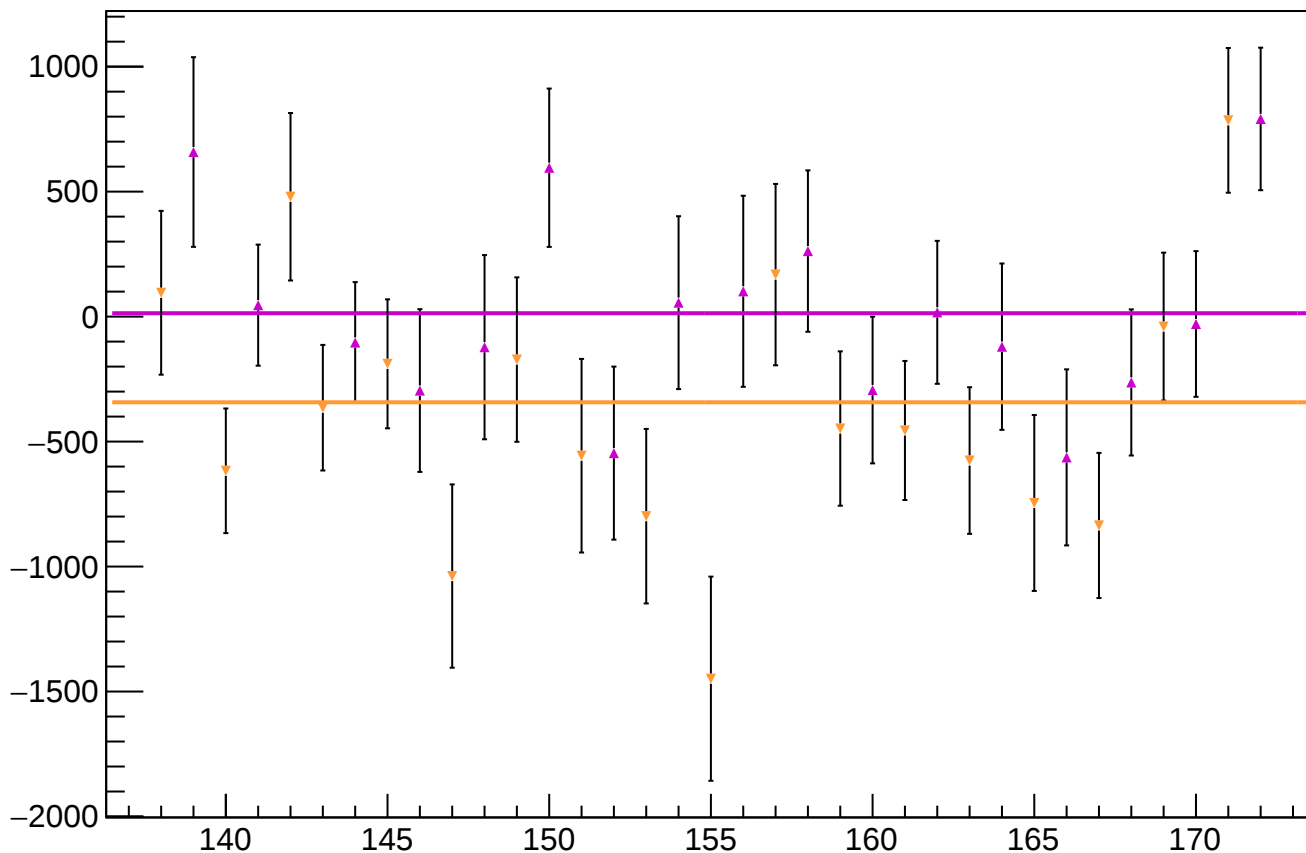
Right: 64.161 $\pm$ 0.012 χ^2 /NDF: 464197.3/35

In: 59.031 $\pm$ 0.009 χ^2 /NDF: 362259.4/33

Out: 59.425 $\pm$ 0.009 χ^2 /NDF: 405359.6/36

All: 59.230 $\pm$ 0.007 χ^2 /NDF: 768505.6/70

asym_sam8_correction_mean vs Slug, Sign Corrected



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

Left Out: -342.741 $\pm$ 72.806 χ^2 /NDF:45.9/17

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

Left In: 13.561 $\pm$ 75.007 χ^2 /NDF:23.1/16

Left: -169.894 $\pm$ 52.243 χ^2 /NDF: 80.6/34

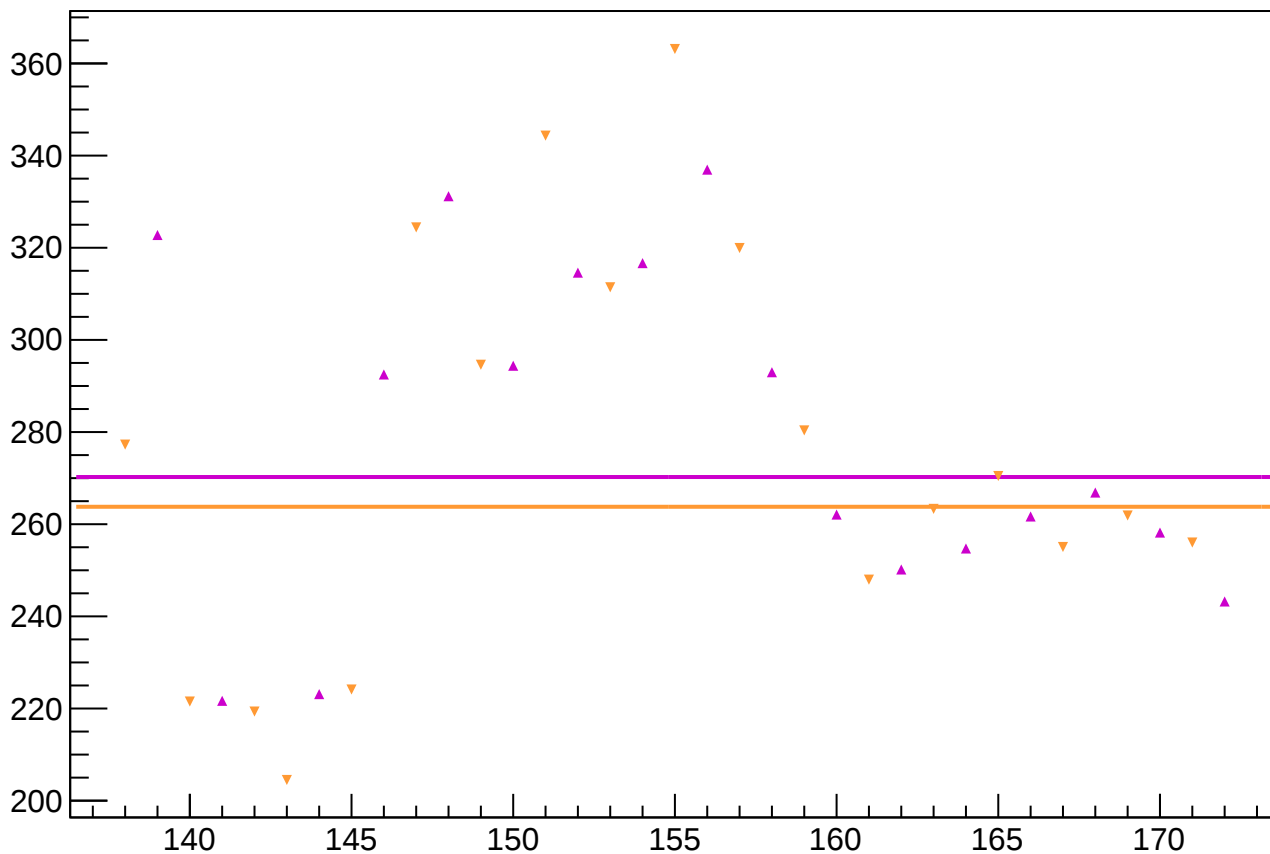
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 13.561 $\pm$ 75.007 χ^2 /NDF:23.1/16

Out: -342.741 $\pm$ 72.806 χ^2 /NDF:45.9/17

All: -169.894 $\pm$ 52.243 χ^2 /NDF: 80.6/34

asym_sam8_correction_rms vs Slug, Sign Corrected



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

Left Out: 263.787+/-0.051 χ^2/NDF : 633313.6/17

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

Left In: 270.243+/-0.053 χ^2/NDF : 448755.6/16

Left: 266.919+/-0.037 χ^2/NDF : 1089699.0/34

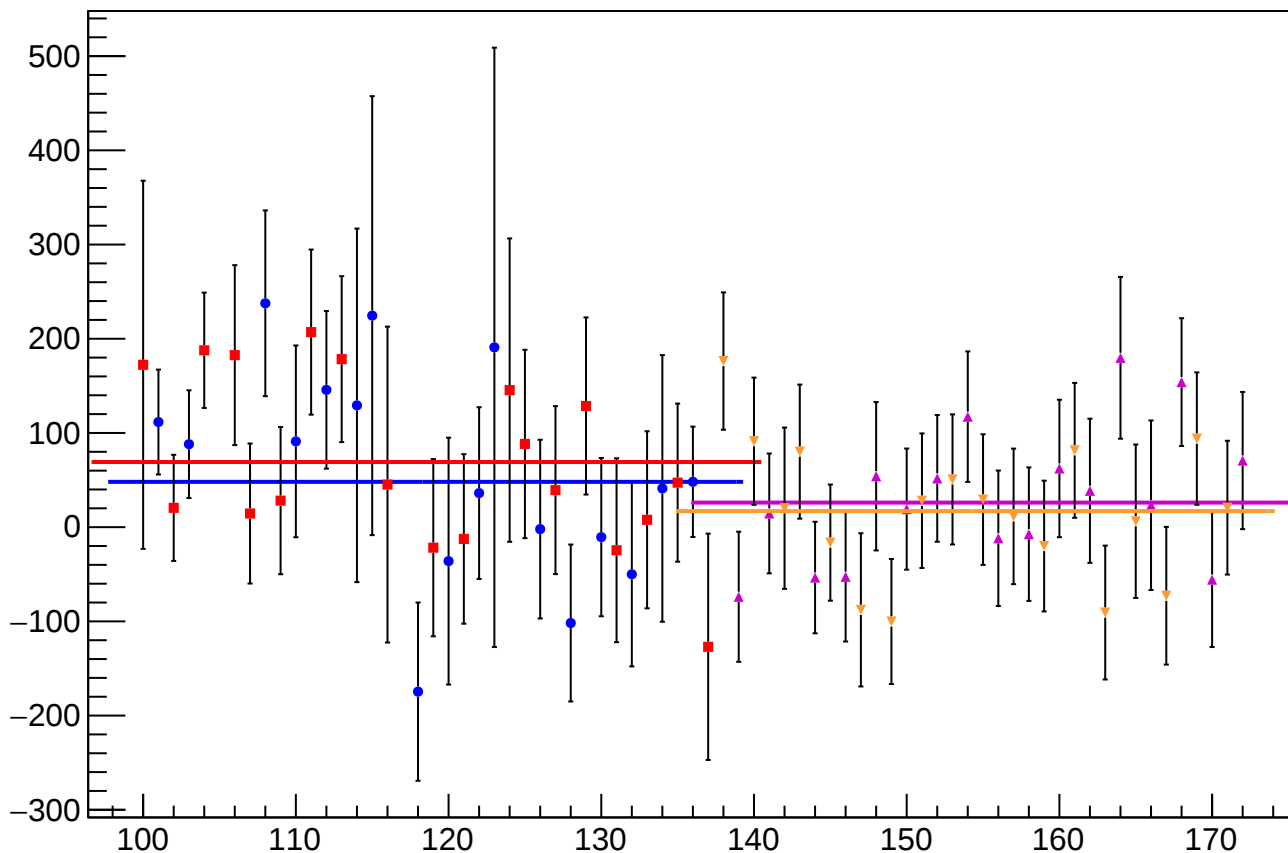
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 270.243+/-0.053 χ^2/NDF : 448755.6/16

Out: 263.787+/-0.051 χ^2/NDF : 633313.6/17

All: 266.919+/-0.037 χ^2/NDF : 1089699.0/34

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 48.109 $\pm$ 21.510 χ^2 /NDF: 19.0/16

Left Out: 17.042 $\pm$ 16.833 χ^2 /NDF:18.3/17

Right Out: 69.156 $\pm$ 20.407 χ^2 /NDF: 17.7/18

Left In: 26.094 $\pm$ 17.154 χ^2 /NDF:16.5/16

Left: 21.483 $\pm$ 12.015 χ^2 /NDF: 34.9/34

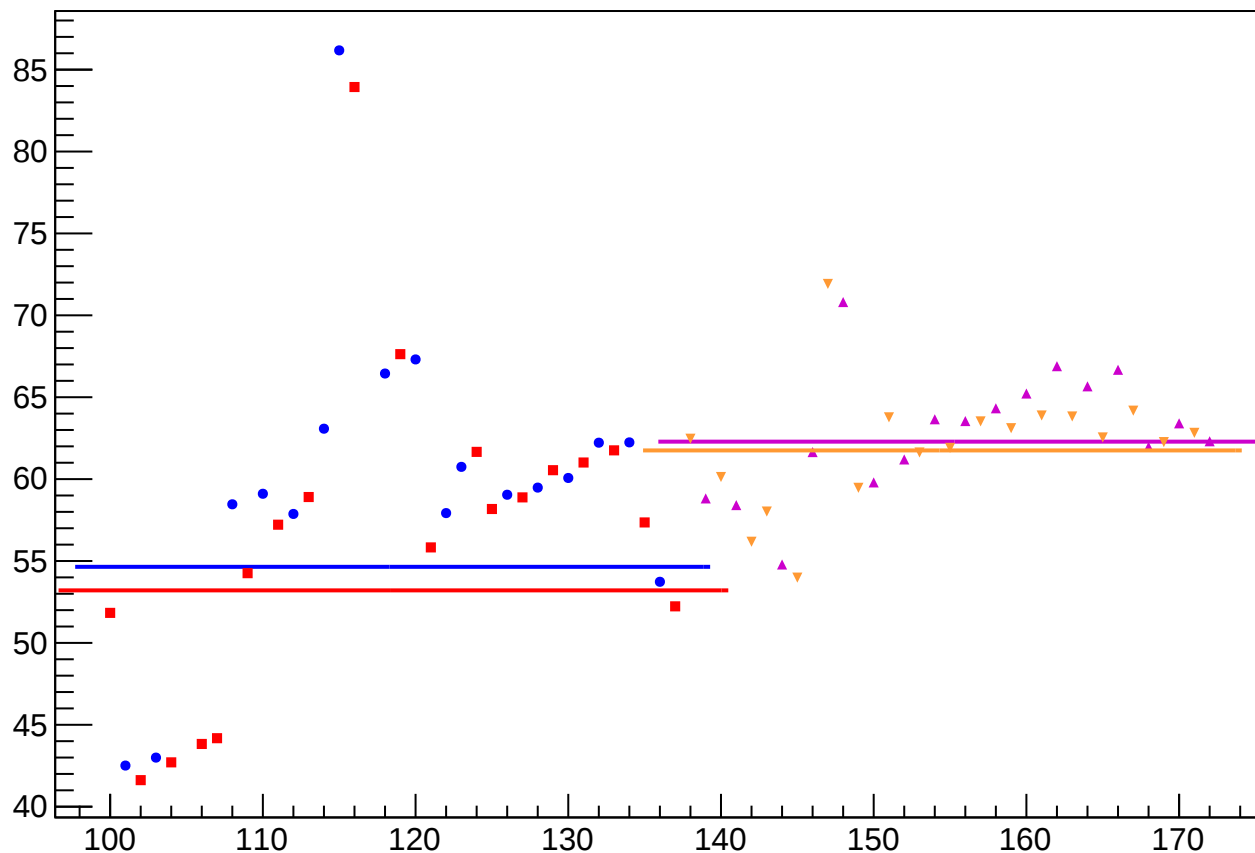
Right: 59.186 $\pm$ 14.805 χ^2 /NDF: 37.1/35

In: 34.652 $\pm$ 13.412 χ^2 /NDF:36.1/33

Out: 38.144 $\pm$ 12.986 χ^2 /NDF:39.8/36

All: 36.454 $\pm$ 9.329 χ^2 /NDF: 75.9/70

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 54.645 $\pm$ 0.015 χ^2 /NDF: 319300.2/16

Left Out: 61.751 $\pm$ 0.012 χ^2 /NDF: 90715.8/17

Right Out: 53.207 $\pm$ 0.014 χ^2 /NDF: 386295.2/18

Left In: 62.288 $\pm$ 0.012 χ^2 /NDF: 93578.9/16

Left: 62.014 $\pm$ 0.008 χ^2 /NDF: 185290.2/34

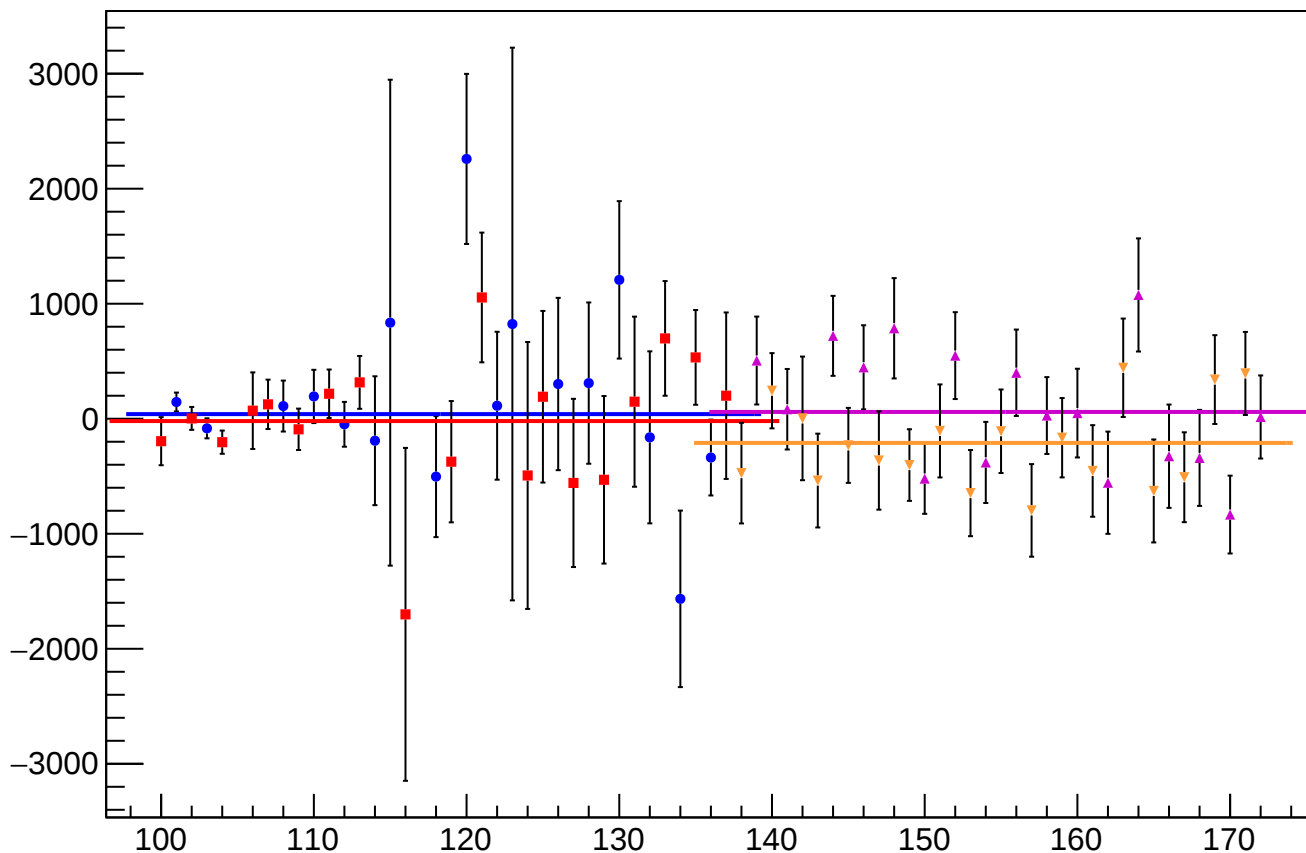
Right: 53.888 $\pm$ 0.010 χ^2 /NDF: 710299.5/35

In: 59.316 $\pm$ 0.009 χ^2 /NDF: 567213.7/33

Out: 58.292 $\pm$ 0.009 χ^2 /NDF: 685668.0/36

All: 58.788 $\pm$ 0.007 χ^2 /NDF: 1258909.4/70

asym_sam_15_avg_correction_mean vs Slug, Sign Corrected



Right In: 40.207 $\pm$ 51.542 χ^2 /NDF: 23.9/16

Left Out: -210.288 $\pm$ 90.416 χ^2 /NDF:16.2/17

Right Out: -20.232 $\pm$ 53.274 χ^2 /NDF: 18.9/18

Left In: 59.101 $\pm$ 90.982 χ^2 /NDF:31.4/16

Left: -76.434 $\pm$ 64.133 χ^2 /NDF: 52.0/34

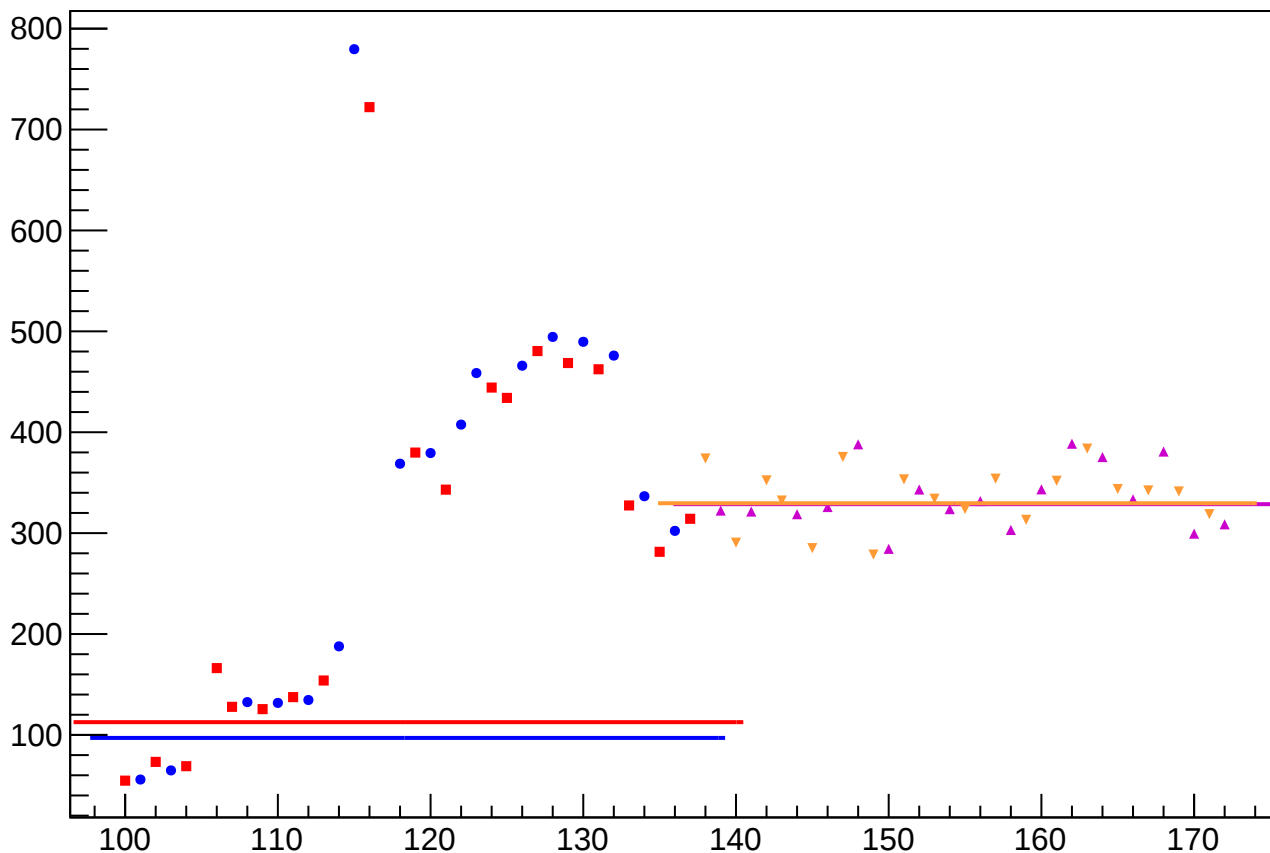
Right: 10.986 $\pm$ 37.043 χ^2 /NDF: 43.4/35

In: 44.798 $\pm$ 44.846 χ^2 /NDF:55.3/33

Out: -69.210 $\pm$ 45.899 χ^2 /NDF:38.4/36

All: -10.883 $\pm$ 32.077 χ^2 /NDF: 96.8/70

asym_sam_15_avg_correction_rms vs Slug, Sign Corrected



Right In: 97.039+/-0.036 χ^2/NDF : 5819709.2/16

Left Out: 329.623+/-0.064 χ^2/NDF : 231884.5/17

Right Out: 112.653+/-0.038 χ^2/NDF : 5036306.5/18

Left In: 328.693+/-0.064 χ^2/NDF : 206921.9/16

Left: 329.161+/-0.045 χ^2/NDF : 438911.6/34

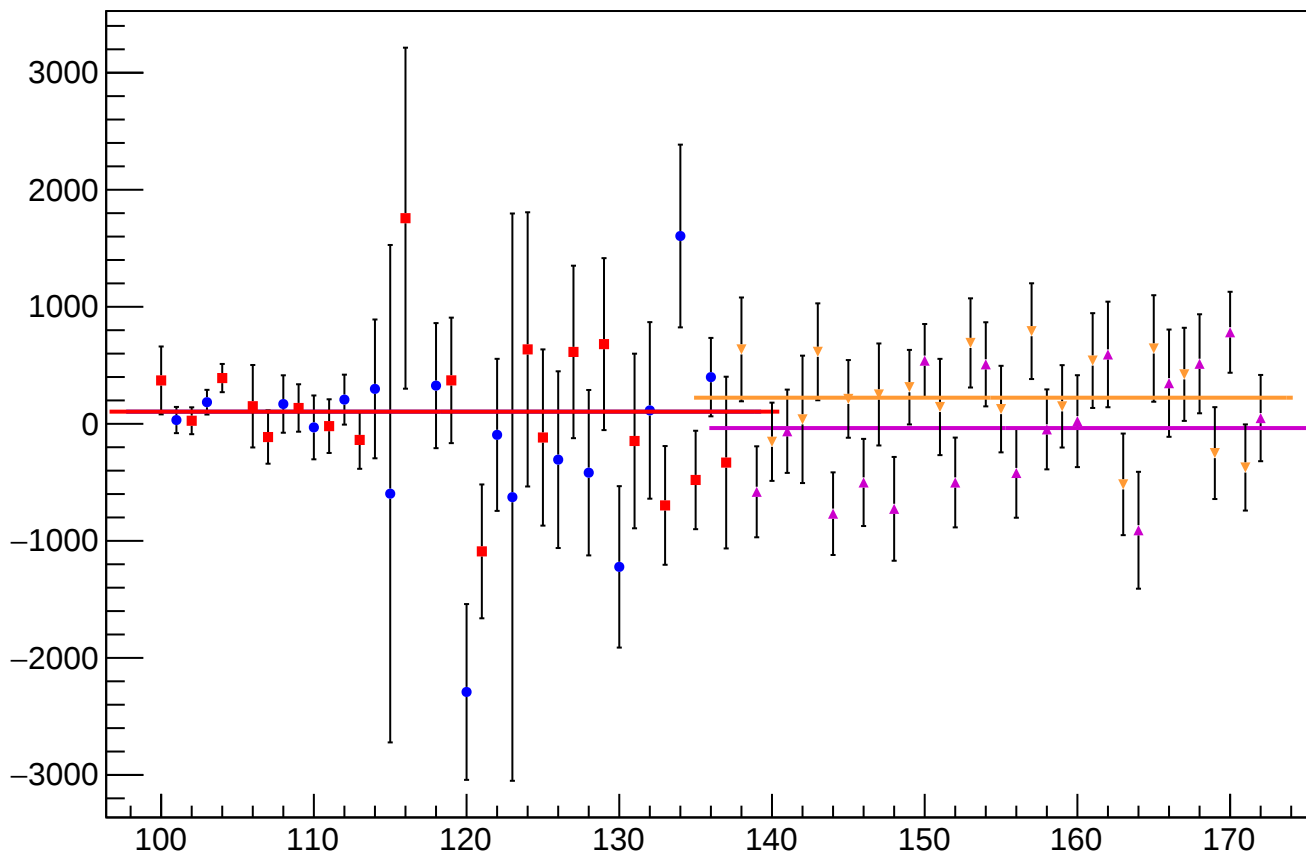
Right: 104.588+/-0.026 χ^2/NDF : 10944761.2/35

In: 153.322+/-0.032 χ^2/NDF : 15842262.2/33

Out: 168.567+/-0.032 χ^2/NDF : 13817213.1/36

All: 160.768+/-0.023 χ^2/NDF : 29772364.0/70

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 104.001 $\pm$ 63.156 χ^2 /NDF: 21.3/16

Left Out: 223.270 $\pm$ 92.042 χ^2 /NDF:15.5/17

Right Out: 104.140 $\pm$ 60.857 χ^2 /NDF: 21.3/18

Left In: -36.128 $\pm$ 92.659 χ^2 /NDF:31.5/16

Left: 94.438 $\pm$ 65.300 χ^2 /NDF: 50.9/34

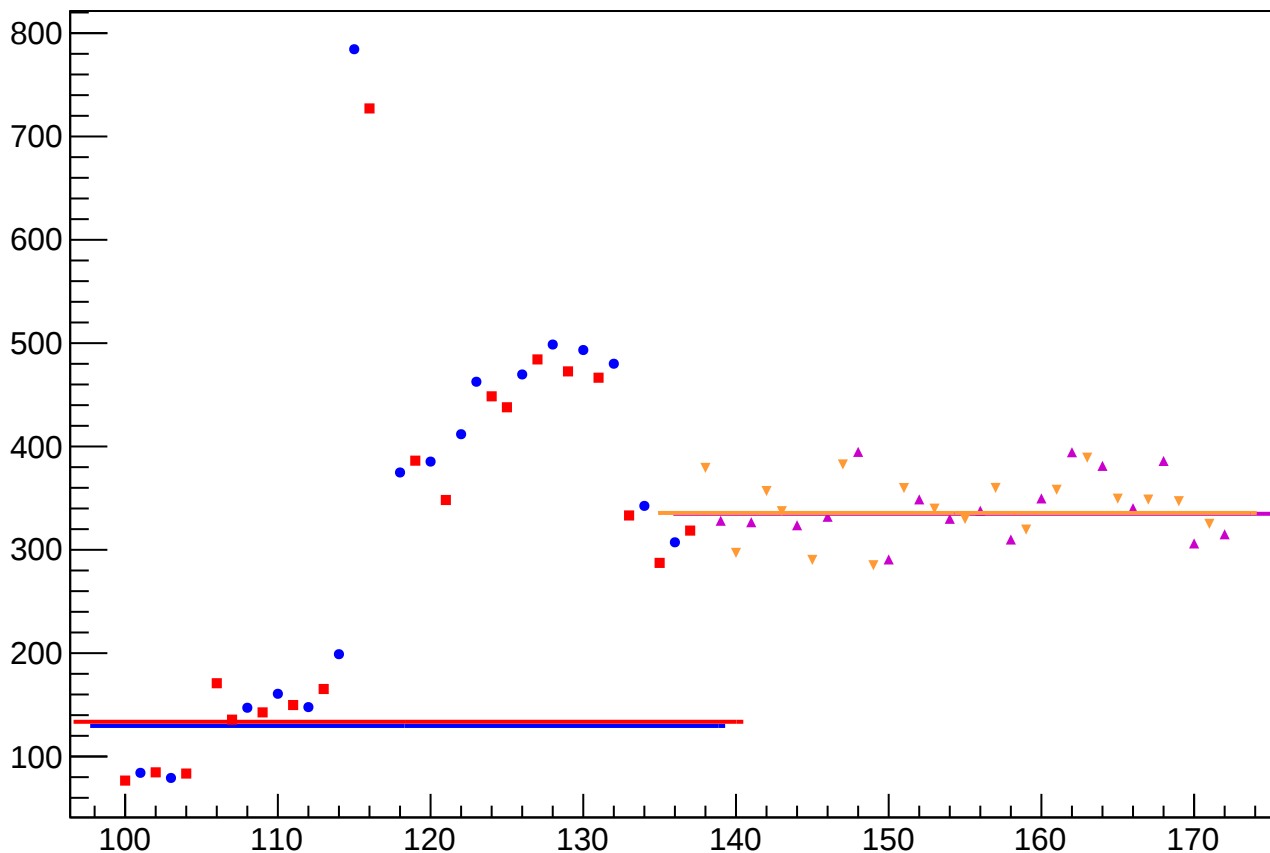
Right: 104.073 $\pm$ 43.823 χ^2 /NDF: 42.6/35

In: 59.551 $\pm$ 52.187 χ^2 /NDF:54.3/33

Out: 140.378 $\pm$ 50.764 χ^2 /NDF:38.0/36

All: 101.081 $\pm$ 36.388 χ^2 /NDF: 93.6/70

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 129.552 $\pm$ 0.045 χ^2 /NDF: 4772450.4/16

Left Out: 335.686 $\pm$ 0.065 χ^2 /NDF: 222915.0/17

Right Out: 133.593 $\pm$ 0.043 χ^2 /NDF: 4366252.1/18

Left In: 334.875 $\pm$ 0.066 χ^2 /NDF: 197849.6/16

Left: 335.283 $\pm$ 0.046 χ^2 /NDF: 420841.7/34

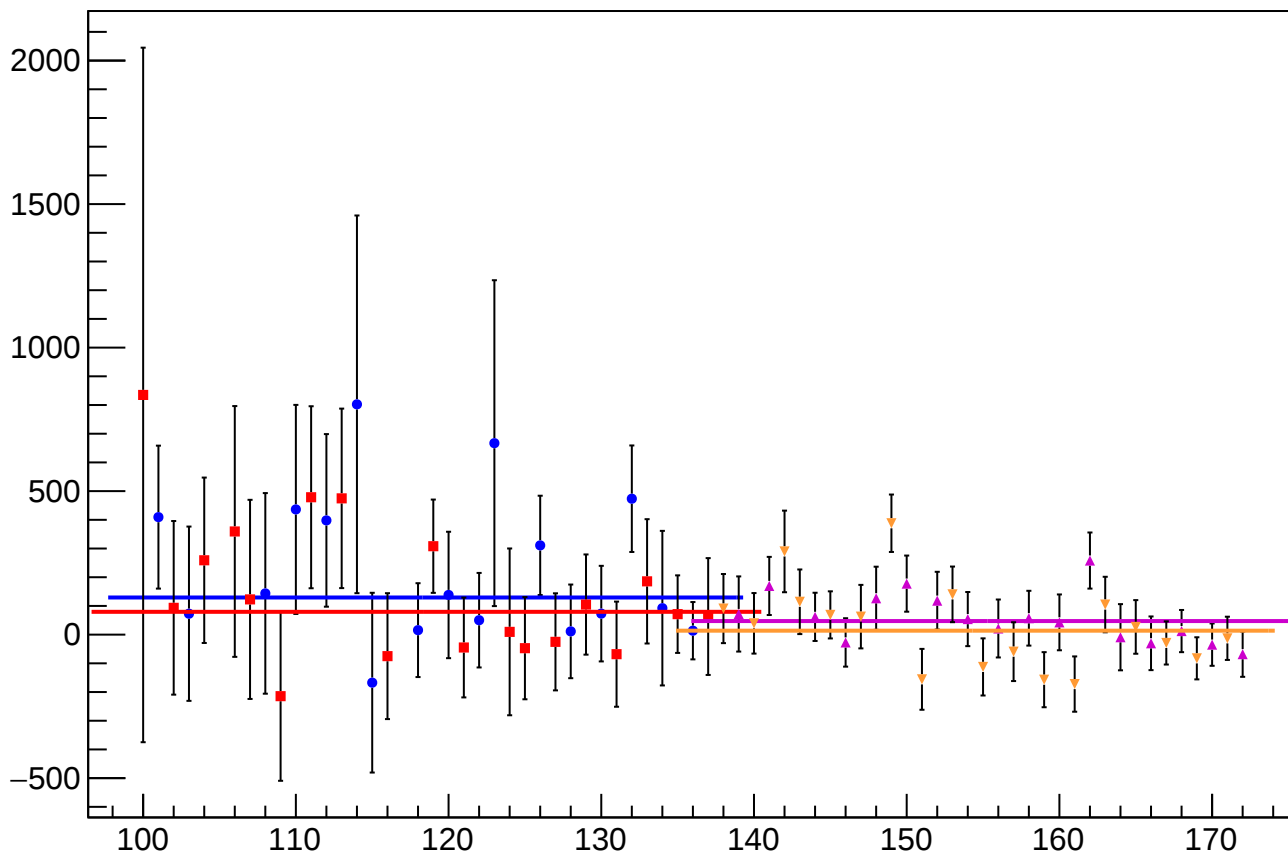
Right: 131.647 $\pm$ 0.031 χ^2 /NDF: 9142947.8/35

In: 194.682 $\pm$ 0.037 χ^2 /NDF: 11675609.3/33

Out: 195.067 $\pm$ 0.036 χ^2 /NDF: 11298147.5/36

All: 194.880 $\pm$ 0.026 χ^2 /NDF: 22973812.7/70

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 129.398 $\pm$ 49.122 χ^2/NDF : 12.9/16

Left Out: 13.755 $\pm$ 22.440 χ^2/NDF :36.0/17

Right Out: 79.483 $\pm$ 49.886 χ^2/NDF : 10.2/18

Left In: 47.278 $\pm$ 22.508 χ^2/NDF :14.4/16

Left: 30.465 $\pm$ 15.892 χ^2/NDF : 51.5/34

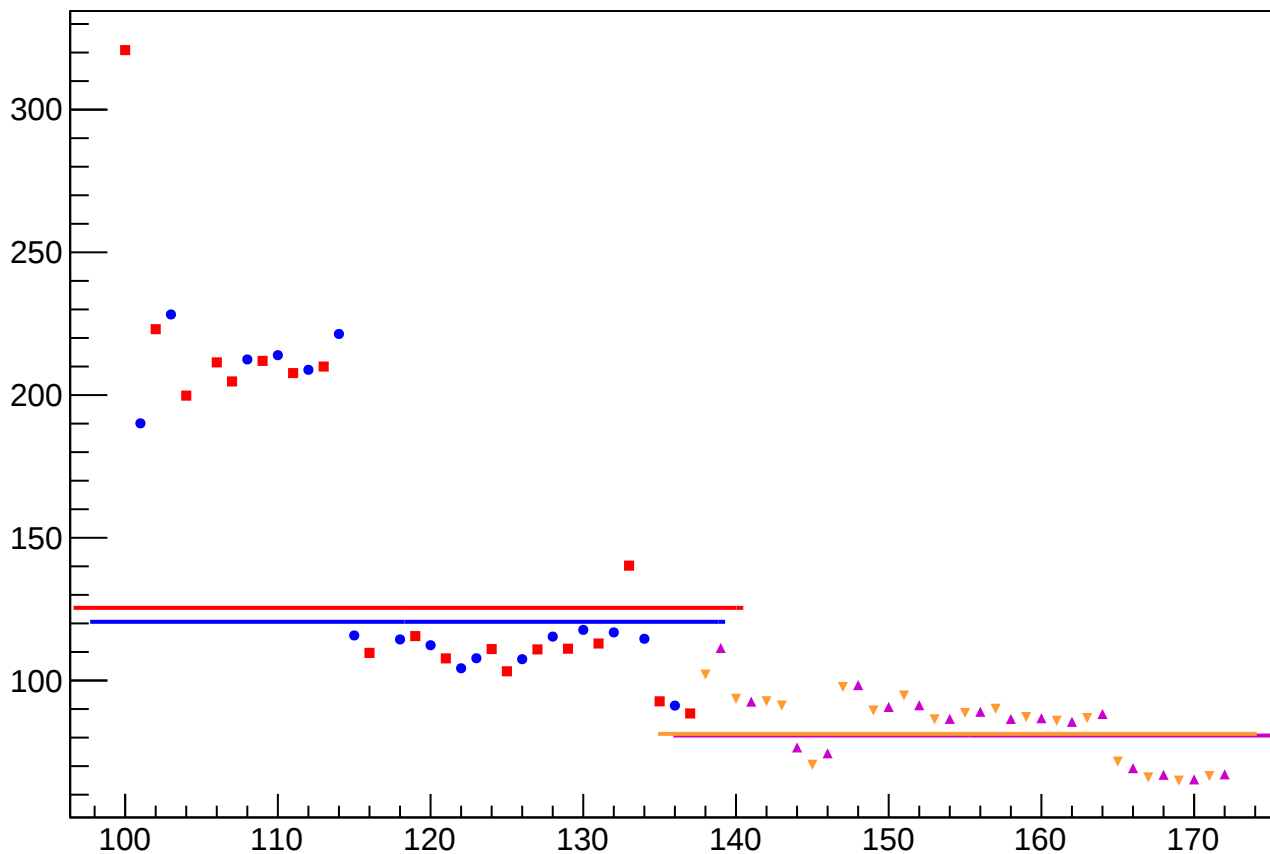
Right: 104.826 $\pm$ 35.001 χ^2/NDF : 23.7/35

In: 61.528 $\pm$ 20.463 χ^2/NDF :29.6/33

Out: 24.817 $\pm$ 20.465 χ^2/NDF :47.7/36

All: 43.174 $\pm$ 14.470 χ^2/NDF : 78.9/70

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 120.565+/-0.035 χ^2/NDF : 1112076.4/16

Left Out: 81.315+/-0.016 χ^2/NDF : 569754.0/17

Right Out: 125.458+/-0.035 χ^2/NDF : 1333754.6/18

Left In: 80.725+/-0.016 χ^2/NDF : 543784.0/16

Left: 81.021+/-0.011 χ^2/NDF : 1114226.3/34

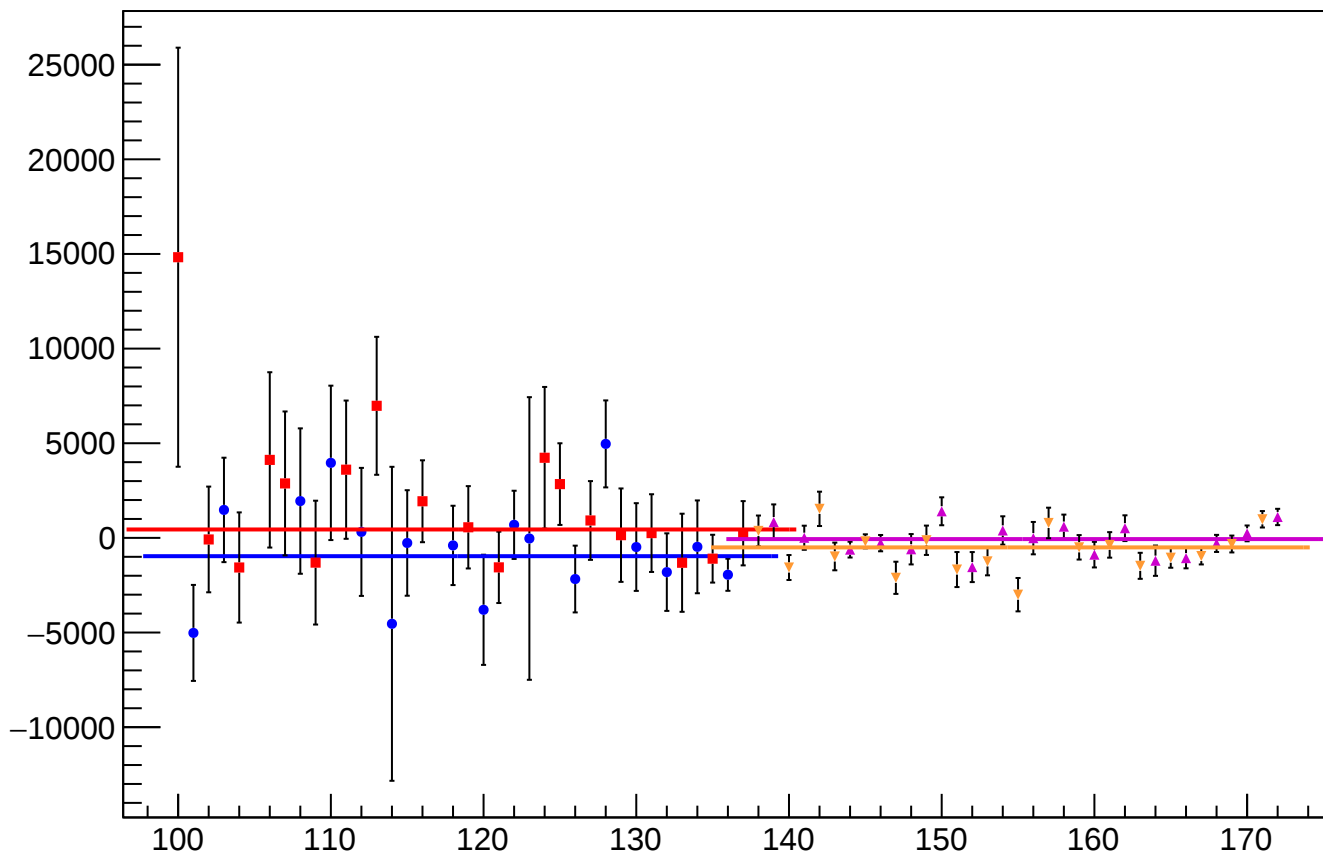
Right: 122.974+/-0.025 χ^2/NDF : 2455600.4/35

In: 87.639+/-0.014 χ^2/NDF : 2743154.5/33

Out: 88.744+/-0.014 χ^2/NDF : 3206020.3/36

All: 88.191+/-0.010 χ^2/NDF : 5952091.9/70

asym_sam_26_avg_correction_mean vs Slug, Sign Corrected



Right In: -966.587+/-512.340 χ^2/NDF : 16.4/16

Left Out: -502.352+/-143.306 χ^2/NDF : 43.0/17

Right Out: 444.406+/-545.370 χ^2/NDF : 13.4/18

Left In: -63.697+/-140.398 χ^2/NDF : 28.1/16

Left: -278.529+/-100.289 χ^2/NDF : 75.9/34

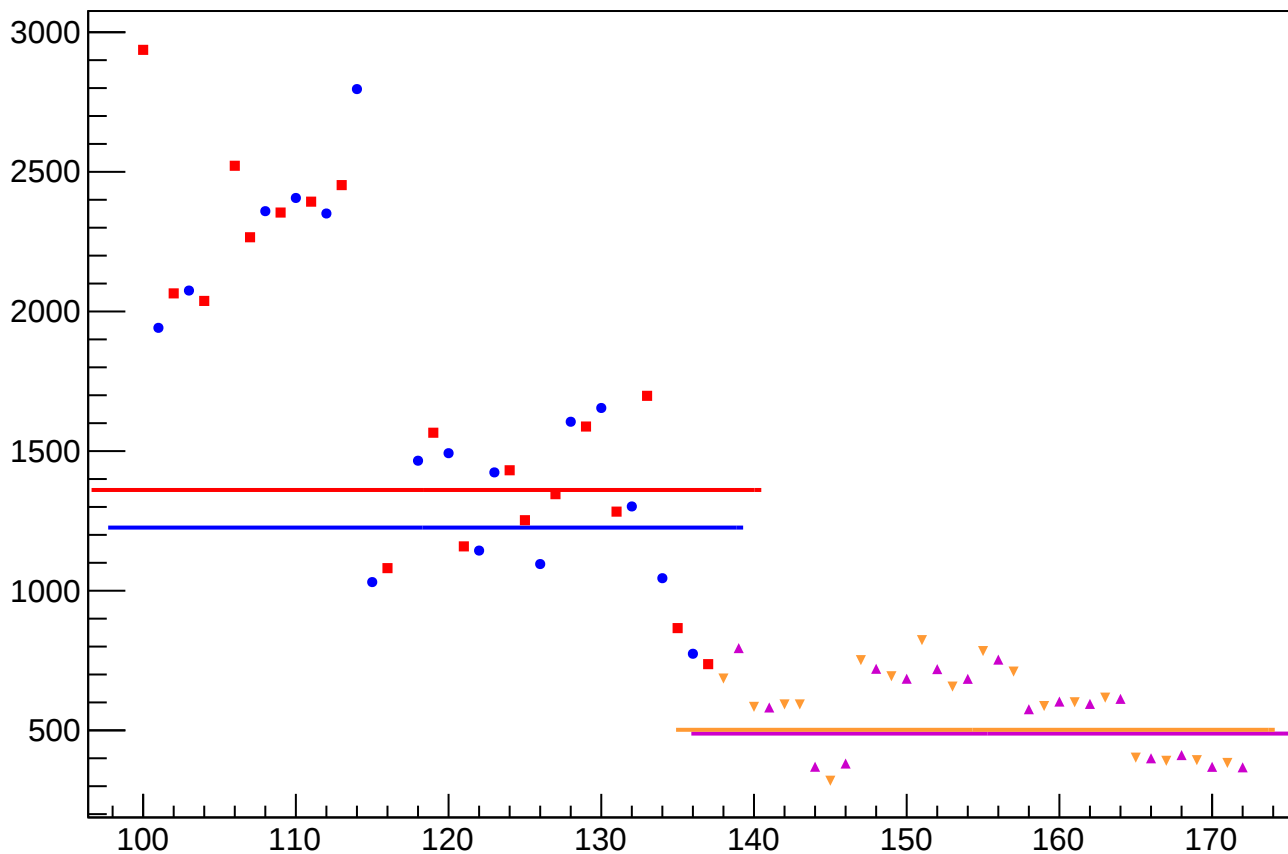
Right: -305.110+/-373.410 χ^2/NDF : 33.3/35

In: -126.762+/-135.406 χ^2/NDF : 47.4/33

Out: -441.203+/-138.600 χ^2/NDF : 59.2/36

All: -280.317+/-96.856 χ^2/NDF : 109.2/70

asym_sam_26_avg_correction_rms vs Slug, Sign Corrected



Right In: 1226.135+/-0.362 χ^2/NDF : 1756323.1/16

Left Out: 501.981+/-0.101 χ^2/NDF : 2225683.3/17

Right Out: 1360.770+/-0.386 χ^2/NDF : 1749074.9/18

Left In: 488.434+/-0.099 χ^2/NDF : 1976303.5/16

Left: 495.068+/-0.071 χ^2/NDF : 4211106.6/34

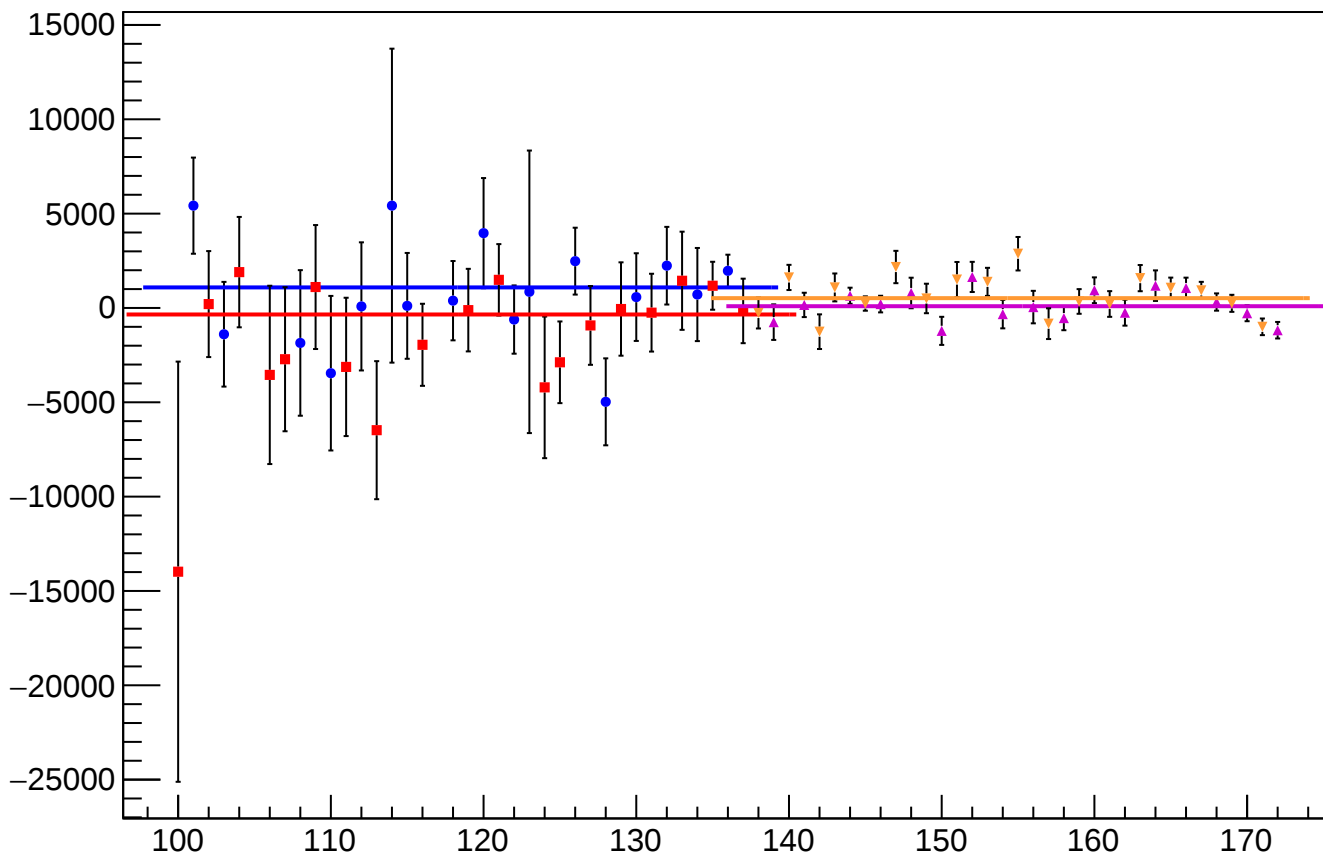
Right: 1289.252+/-0.264 χ^2/NDF : 3570145.2/35

In: 539.961+/-0.096 χ^2/NDF : 7589433.6/33

Out: 557.448+/-0.098 χ^2/NDF : 8613749.2/36

All: 548.500+/-0.068 χ^2/NDF : 16219471.3/70

asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 1089.066 $\pm$ 515.272 χ^2 /NDF: 16.9/16

Left Out: 519.873 $\pm$ 145.337 χ^2 /NDF:41.2/17

Right Out: -345.640 $\pm$ 548.191 χ^2 /NDF: 12.5/18

Left In: 92.769 $\pm$ 142.478 χ^2 /NDF:27.6/16

Left: 302.079 $\pm$ 101.743 χ^2 /NDF: 73.2/34

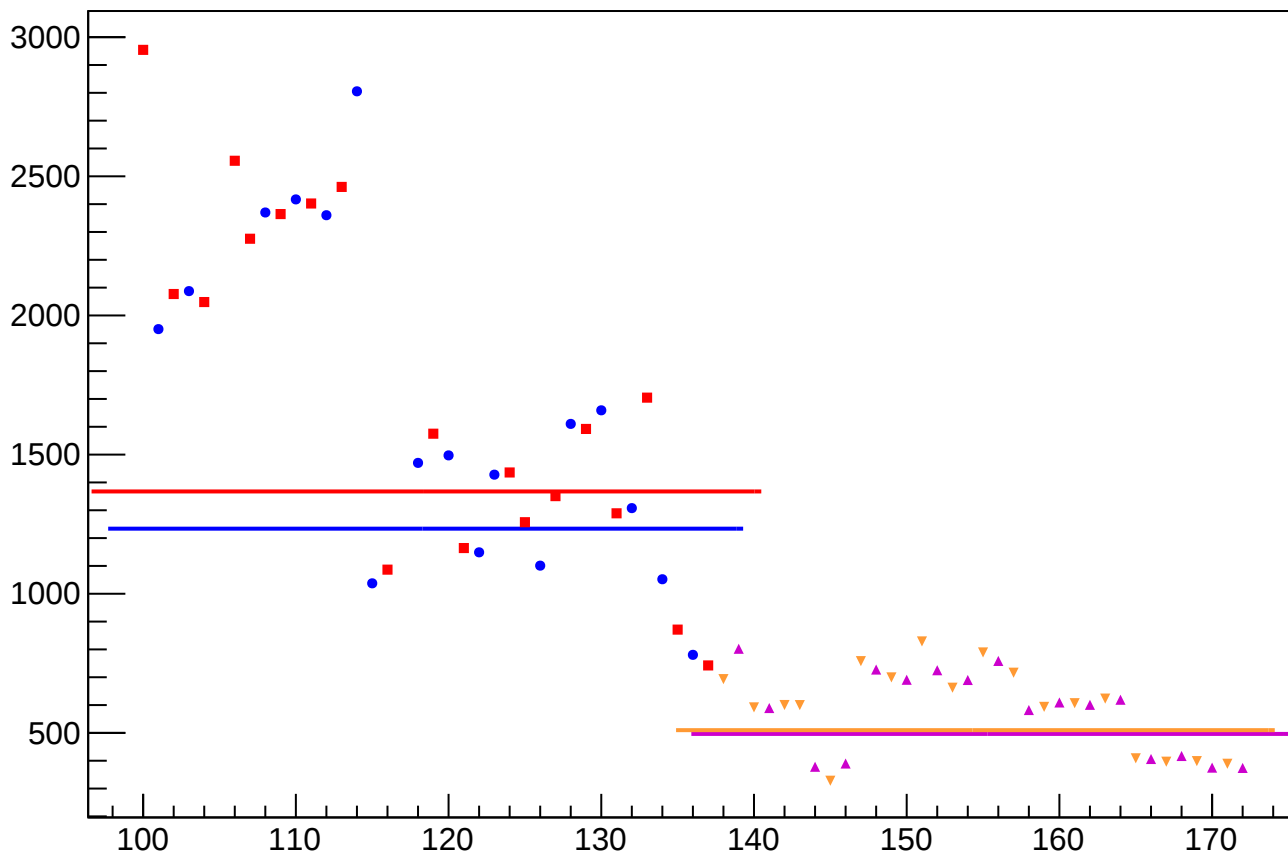
Right: 416.082 $\pm$ 375.451 χ^2 /NDF: 33.1/35

In: 163.533 $\pm$ 137.325 χ^2 /NDF:48.0/33

Out: 463.032 $\pm$ 140.484 χ^2 /NDF:56.1/36

All: 309.878 $\pm$ 98.201 χ^2 /NDF: 106.4/70

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1233.863+/-0.364 χ^2/NDF : 1744048.5/16

Left Out: 509.836+/-0.103 χ^2/NDF : 2158496.7/17

Right Out: 1367.609+/-0.388 χ^2/NDF : 1744594.4/18

Left In: 496.315+/-0.101 χ^2/NDF : 1919104.0/16

Left: 502.941+/-0.072 χ^2/NDF : 4086427.5/34

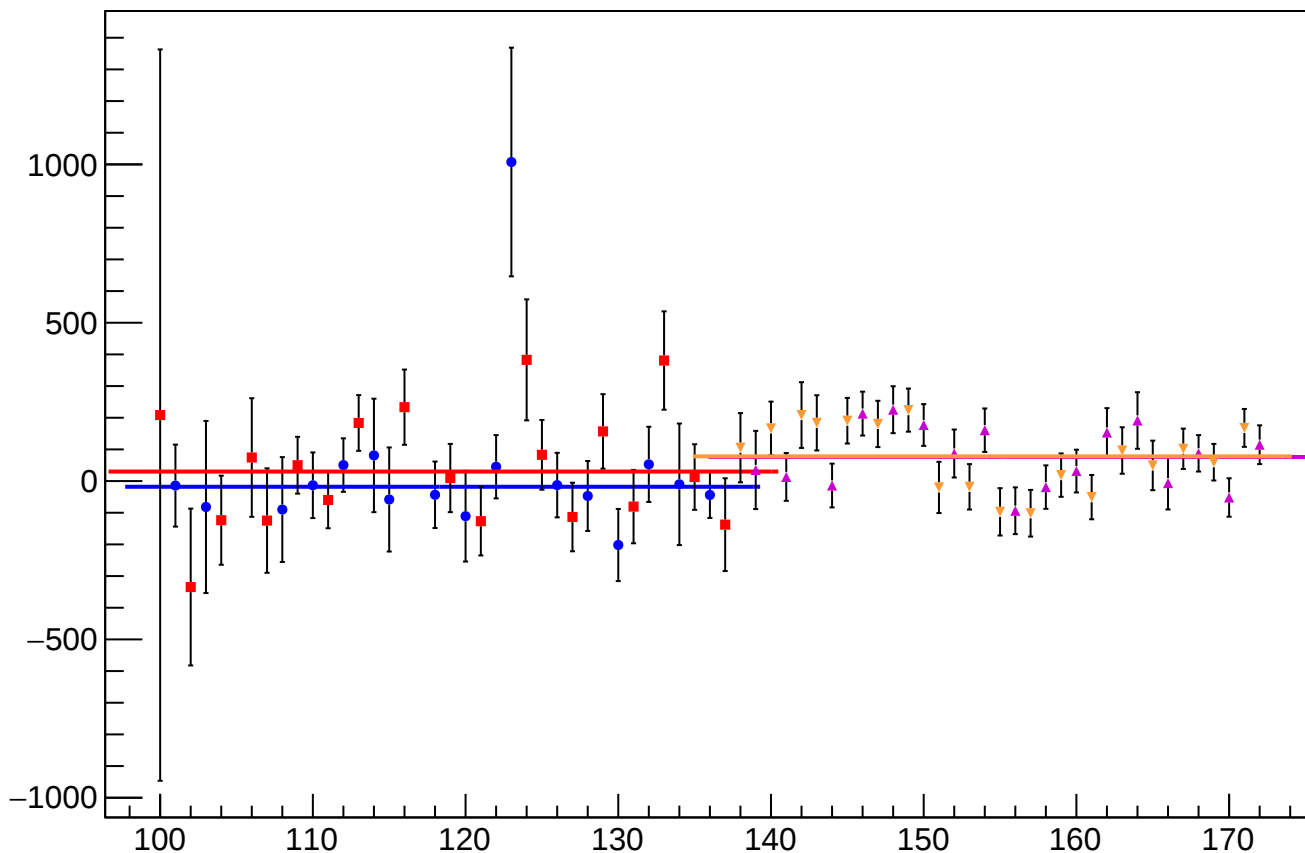
Right: 1296.600+/-0.265 χ^2/NDF : 3551849.9/35

In: 548.701+/-0.097 χ^2/NDF : 7469779.5/33

Out: 566.168+/-0.099 χ^2/NDF : 8478289.2/36

All: 557.236+/-0.069 χ^2/NDF : 15963880.3/70

reg_asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: -17.972 ± 28.848 $\chi^2/\text{NDF}: 13.4/16$

Left Out: 78.070 ± 17.286 $\chi^2/\text{NDF}: 34.8/17$

Right Out: 30.070 ± 27.976 $\chi^2/\text{NDF}: 27.4/18$

Left In: 76.003 ± 17.272 $\chi^2/\text{NDF}: 30.6/16$

Left: 77.036 ± 12.218 $\chi^2/\text{NDF}: 65.3/34$

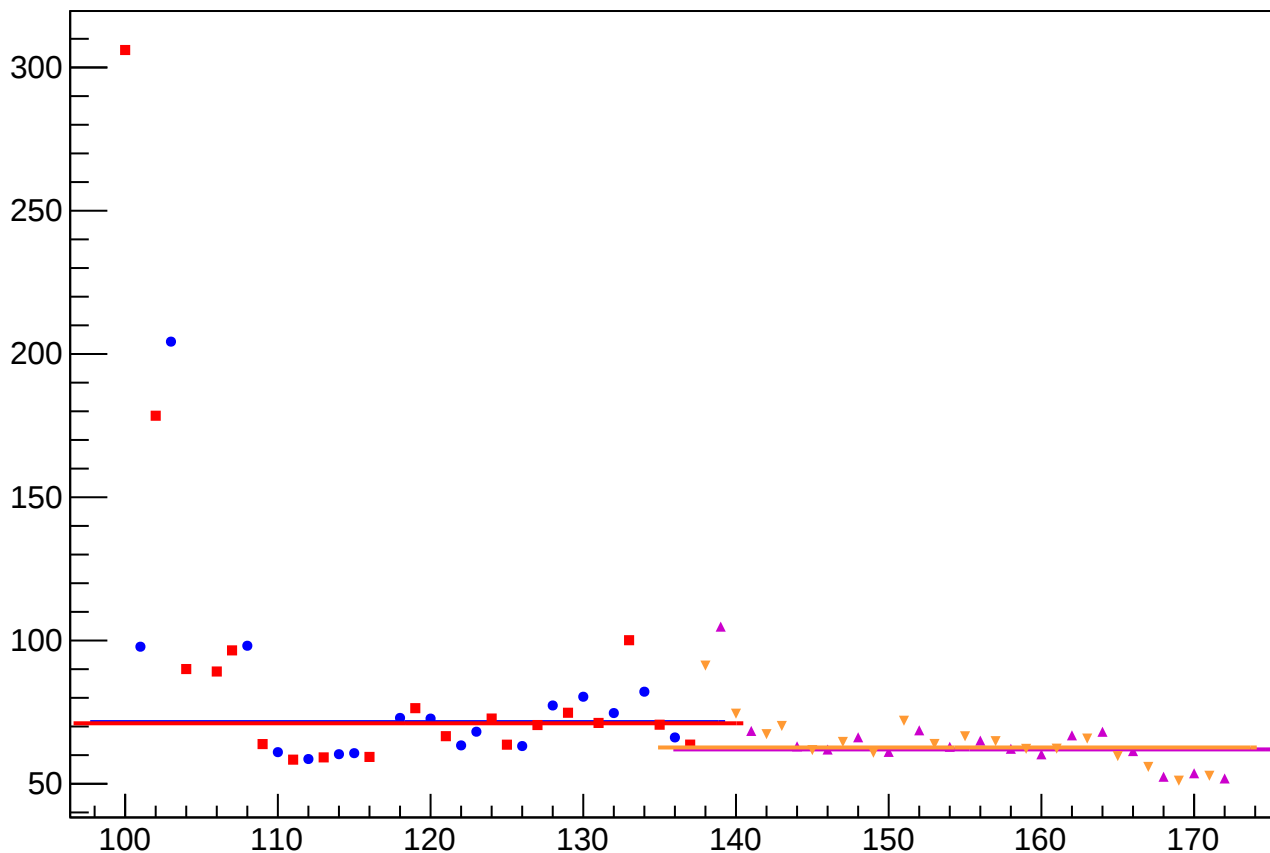
Right: 6.786 ± 20.083 $\chi^2/\text{NDF}: 42.2/35$

In: 51.204 ± 14.819 $\chi^2/\text{NDF}: 51.7/33$

Out: 64.808 ± 14.705 $\chi^2/\text{NDF}: 64.3/36$

All: 58.059 ± 10.438 $\chi^2/\text{NDF}: 116.4/70$

reg_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 71.536+/-0.020 χ^2/NDF : 758961.6/16

Left Out: 62.673+/-0.012 χ^2/NDF : 396366.7/17

Right Out: 71.115+/-0.020 χ^2/NDF : 765159.2/18

Left In: 61.998+/-0.012 χ^2/NDF : 448590.2/16

Left: 62.335+/-0.009 χ^2/NDF : 846483.2/34

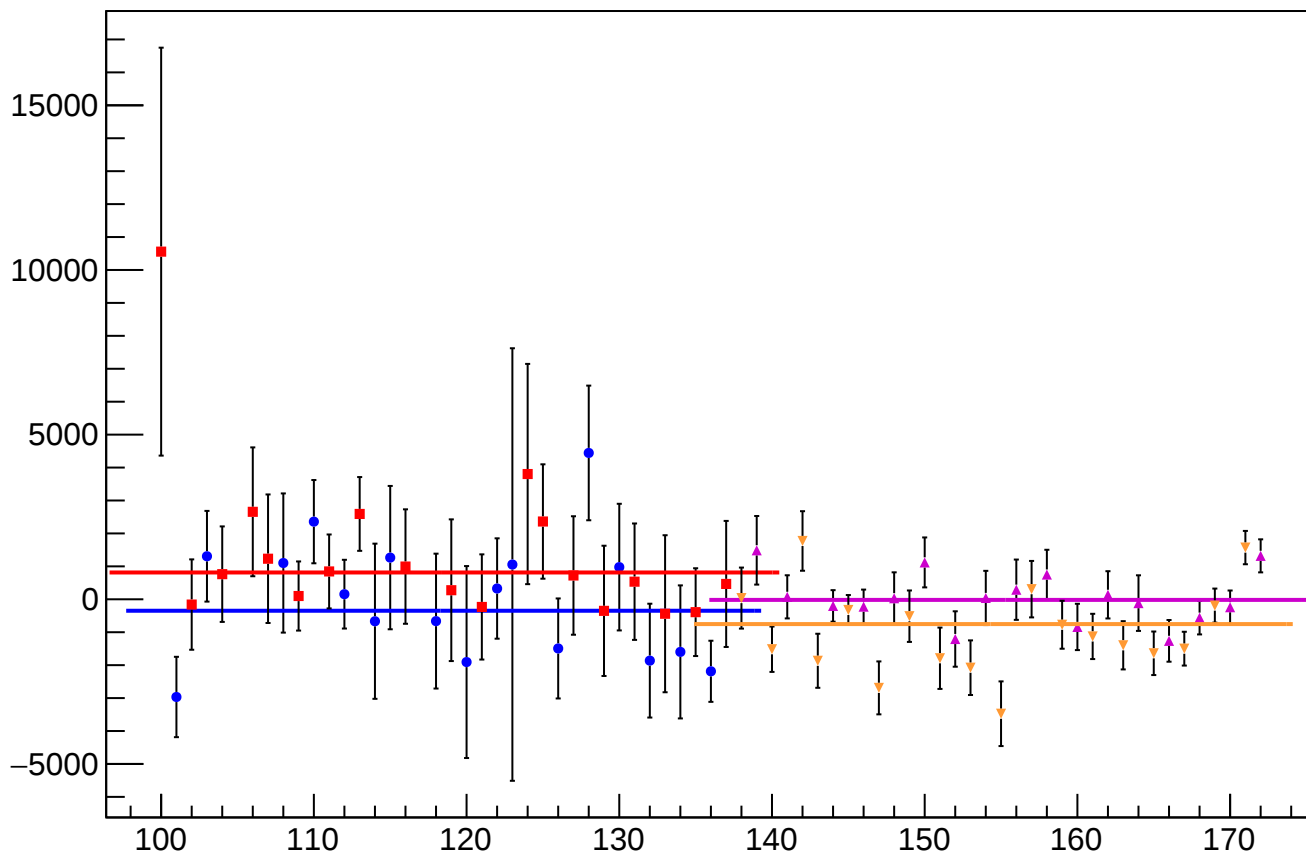
Right: 71.319+/-0.014 χ^2/NDF : 1524340.2/35

In: 64.515+/-0.010 χ^2/NDF : 1368492.2/33

Out: 65.005+/-0.010 χ^2/NDF : 1293326.7/36

All: 64.762+/-0.007 χ^2/NDF : 2662922.8/70

asym_sam_37_avg_correction_mean vs Slug, Sign Corrected



Right In: -347.939+/-381.994 χ^2/NDF : 24.1/16

Left Out: -752.879+/-160.843 χ^2/NDF : 58.6/17

Right Out: 814.154+/-369.807 χ^2/NDF : 10.5/18

Left In: -18.496+/-157.779 χ^2/NDF : 21.5/16

Left: -378.627+/-112.634 χ^2/NDF : 90.8/34

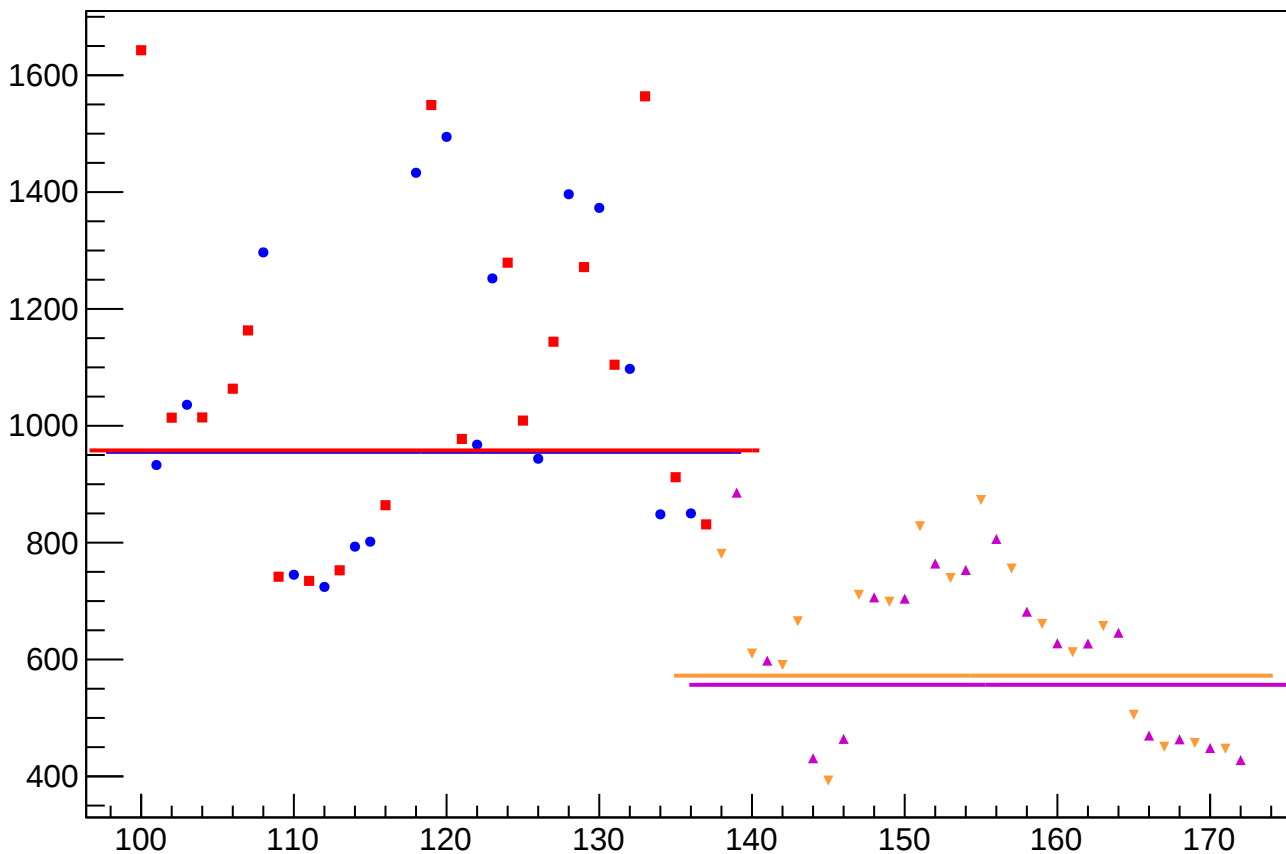
Right: 251.940+/-265.697 χ^2/NDF : 39.3/35

In: -66.509+/-145.829 χ^2/NDF : 46.2/33

Out: -503.598+/-147.496 χ^2/NDF : 84.2/36

All: -282.570+/-103.701 χ^2/NDF : 134.9/70

asym_sam_37_avg_correction_rms vs Slug, Sign Corrected



Right In: 955.425+/-0.270 χ^2/NDF : 646512.4/16

Left Out: 572.407+/-0.114 χ^2/NDF : 1488976.5/17

Right Out: 957.849+/-0.261 χ^2/NDF : 693081.8/18

Left In: 556.706+/-0.112 χ^2/NDF : 1387988.7/16

Left: 564.406+/-0.080 χ^2/NDF : 2886677.0/34

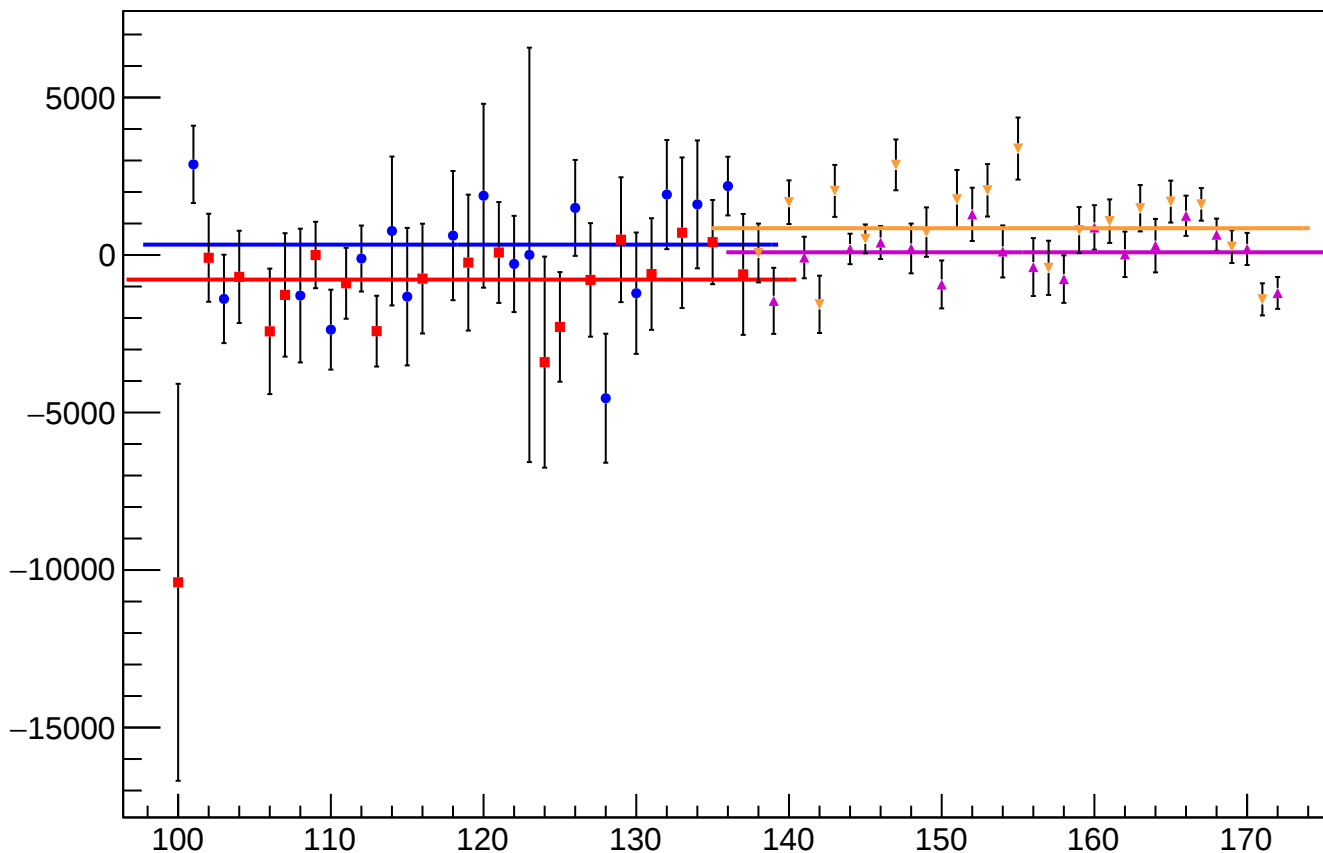
Right: 956.676+/-0.188 χ^2/NDF : 1339635.8/35

In: 614.815+/-0.103 χ^2/NDF : 3895911.8/33

Out: 633.722+/-0.104 χ^2/NDF : 4009118.1/36

All: 624.161+/-0.073 χ^2/NDF : 7921647.9/70

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 329.164 $\pm$ 383.728 χ^2 /NDF: 24.3/16

Left Out: 850.779 $\pm$ 161.935 χ^2 /NDF:55.3/17

Right Out: -779.623 $\pm$ 371.673 χ^2 /NDF: 9.3/18

Left In: 86.357 $\pm$ 158.883 χ^2 /NDF:20.4/16

Left: 461.296 $\pm$ 113.411 χ^2 /NDF: 87.0/34

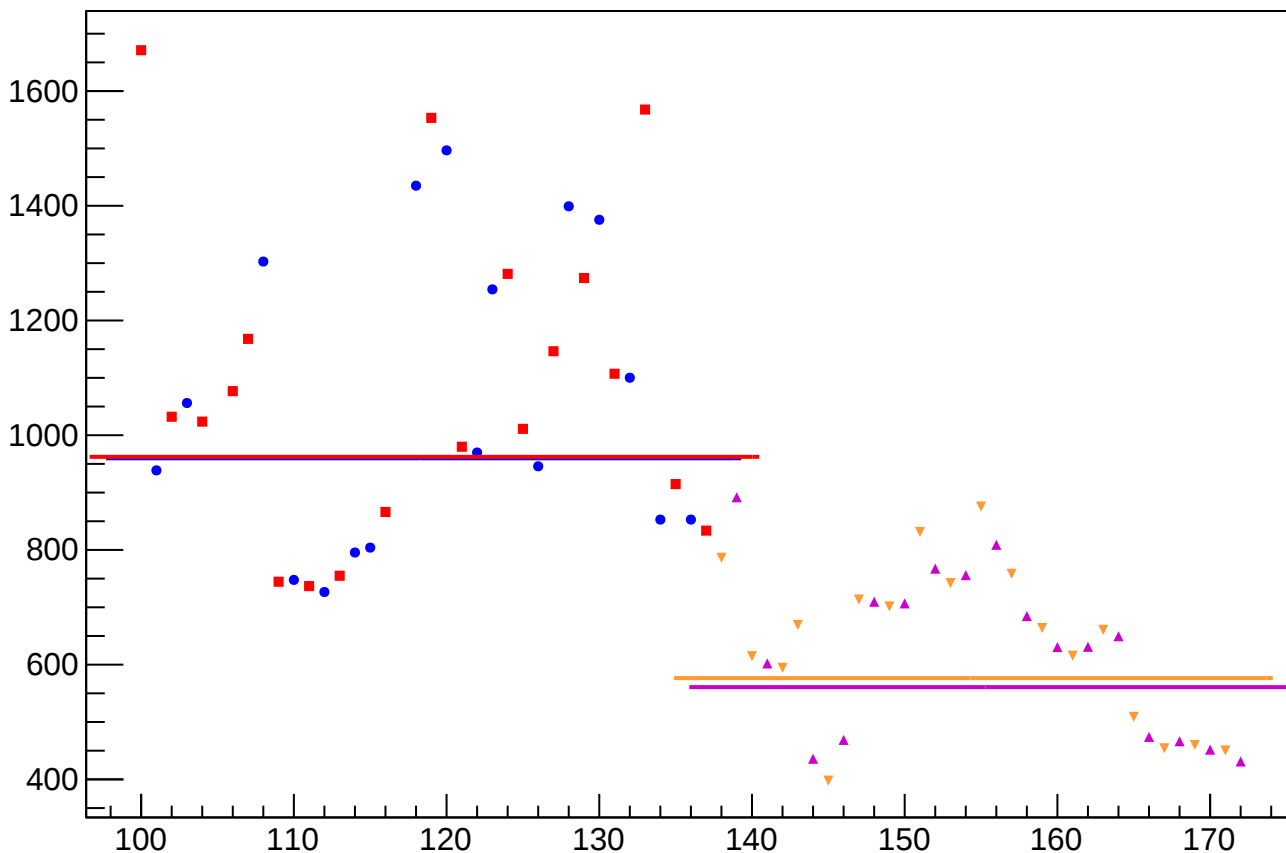
Right: -242.920 $\pm$ 266.973 χ^2 /NDF: 37.9/35

In: 121.891 $\pm$ 146.797 χ^2 /NDF:45.0/33

Out: 590.661 $\pm$ 148.456 χ^2 /NDF:80.8/36

All: 353.642 $\pm$ 104.383 χ^2 /NDF: 130.8/70

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 959.770 $\pm$ 0.271 χ^2 /NDF: 646727.9/16

Left Out: 576.577 $\pm$ 0.115 χ^2 /NDF: 1463053.6/17

Right Out: 962.314 $\pm$ 0.263 χ^2 /NDF: 695757.2/18

Left In: 560.861 $\pm$ 0.112 χ^2 /NDF: 1366105.5/16

Left: 568.570 $\pm$ 0.080 χ^2 /NDF: 2838756.9/34

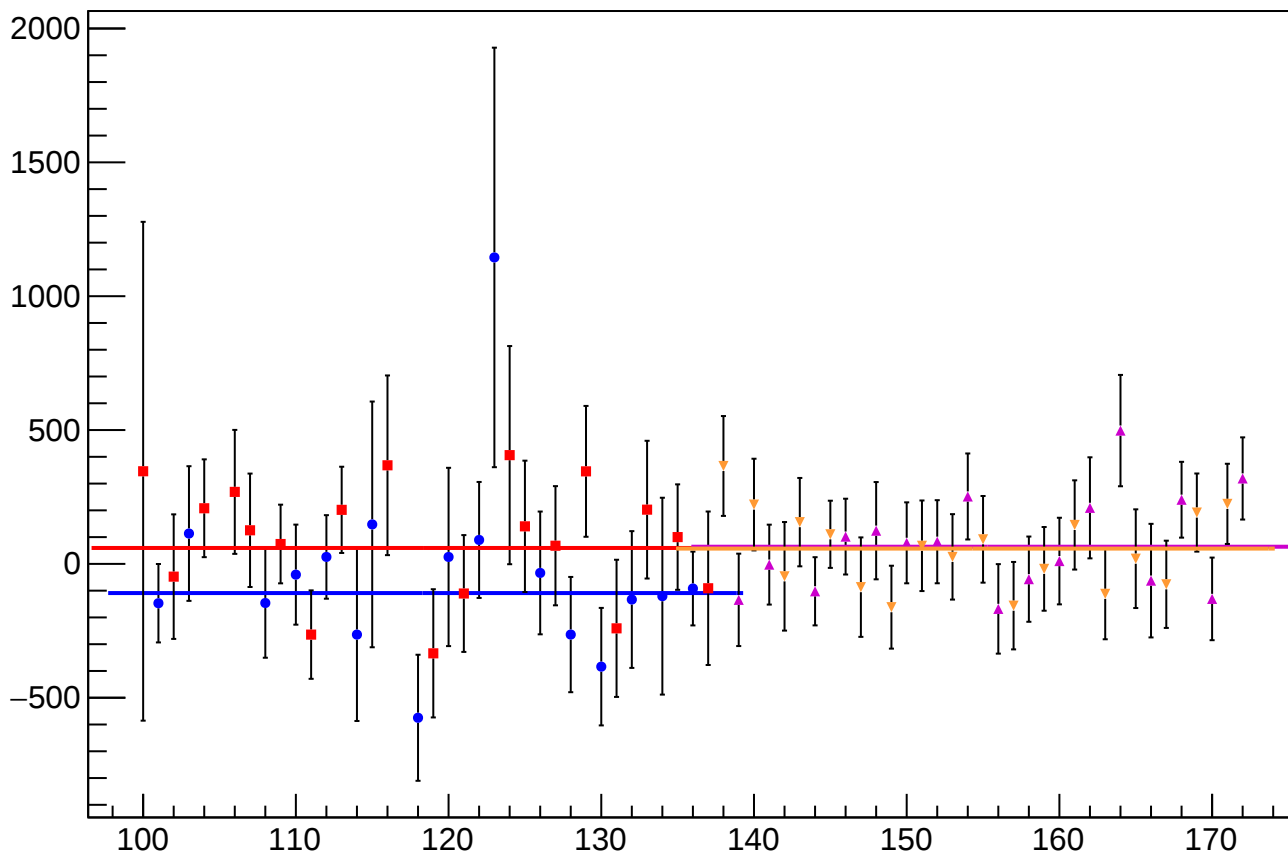
Right: 961.083 $\pm$ 0.189 χ^2 /NDF: 1342530.4/35

In: 619.241 $\pm$ 0.104 χ^2 /NDF: 3857898.4/33

Out: 638.118 $\pm$ 0.105 χ^2 /NDF: 3969344.7/36

All: 628.573 $\pm$ 0.074 χ^2 /NDF: 7843594.0/70

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -108.977 $\pm$ 52.923 χ^2 /NDF: 12.0/16

Left Out: 57.166 $\pm$ 38.400 χ^2 /NDF:13.2/17

Right Out: 59.475 $\pm$ 50.822 χ^2 /NDF: 14.9/18

Left In: 64.144 $\pm$ 38.765 χ^2 /NDF:18.6/16

Left: 60.622 $\pm$ 27.281 χ^2 /NDF: 31.8/34

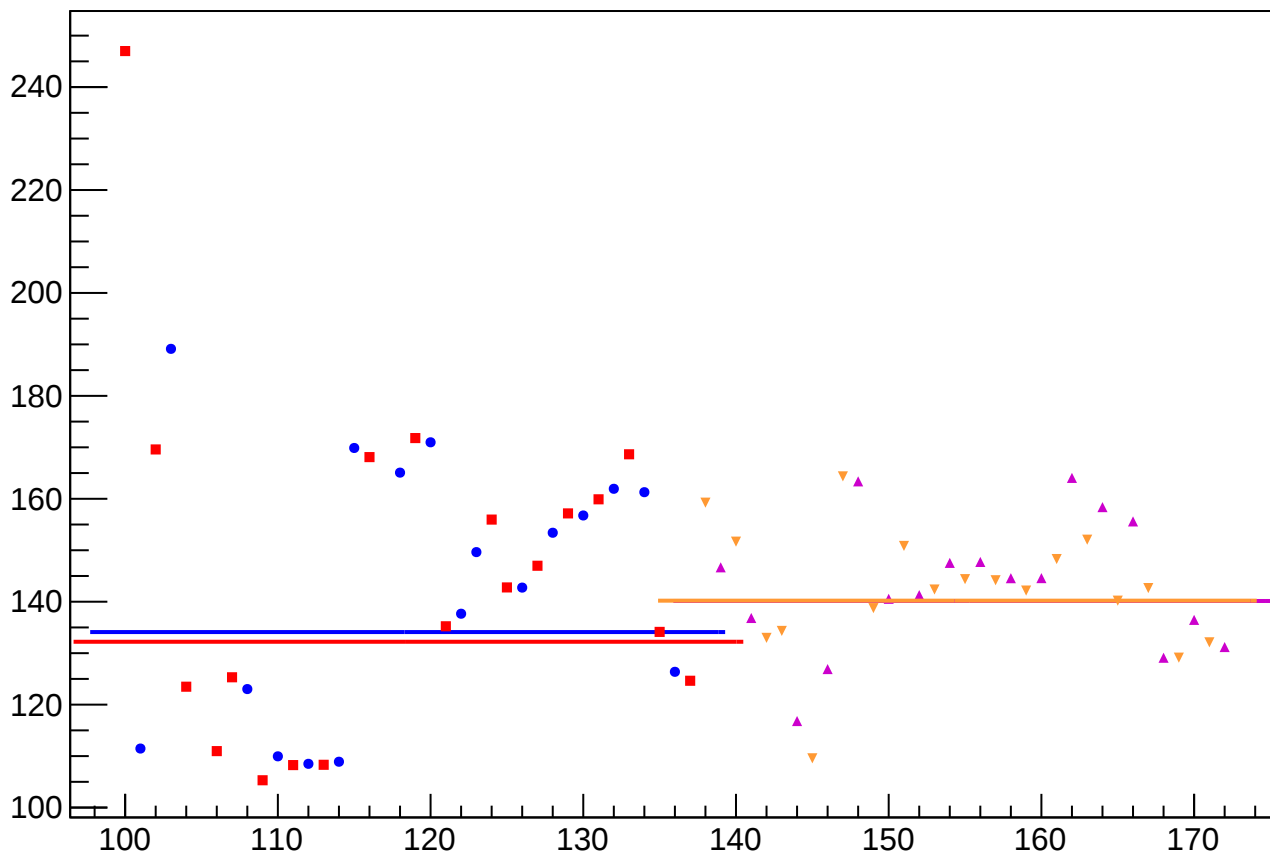
Right: -21.341 $\pm$ 36.657 χ^2 /NDF: 32.2/35

In: 3.692 $\pm$ 31.273 χ^2 /NDF:37.6/33

Out: 58.005 $\pm$ 30.638 χ^2 /NDF:28.0/36

All: 31.406 $\pm$ 21.885 χ^2 /NDF: 67.2/70

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 134.103 $\pm$ 0.037 χ^2 /NDF: 402581.2/16

Left Out: 140.203 $\pm$ 0.027 χ^2 /NDF:231455.7/17

Right Out: 132.219 $\pm$ 0.036 χ^2 /NDF: 441738.5/18

Left In: 140.141 $\pm$ 0.027 χ^2 /NDF:210883.8/16

Left: 140.172 $\pm$ 0.019 χ^2 /NDF: 442342.1/34

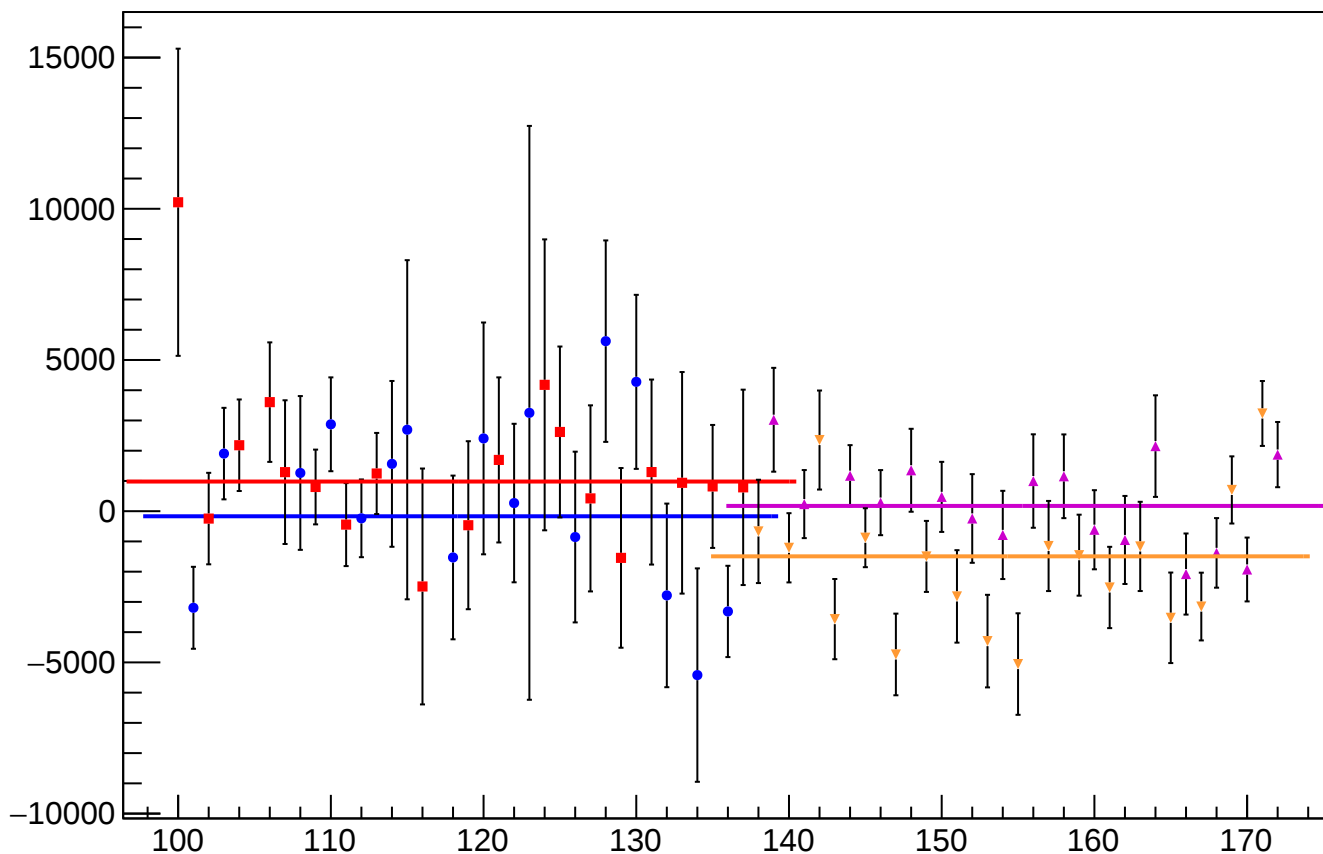
Right: 133.123 $\pm$ 0.026 χ^2 /NDF: 845638.9/35

In: 138.032 $\pm$ 0.022 χ^2 /NDF:630404.8/33

Out: 137.302 $\pm$ 0.022 χ^2 /NDF:704619.8/36

All: 137.660 $\pm$ 0.015 χ^2 /NDF: 1335582.0/70

asym_sam_48_avg_correction_mean vs Slug, Sign Corrected



Right In: -168.237 $\pm$ 523.672 χ^2 /NDF: 25.3/16

Left Out: -1493.005 $\pm$ 308.220 χ^2 /NDF:51.1/17

Right Out: 980.517 $\pm$ 480.968 χ^2 /NDF: 10.2/18

Left In: 174.259 $\pm$ 307.140 χ^2 /NDF:19.3/16

Left: -656.445 $\pm$ 217.562 χ^2 /NDF: 85.0/34

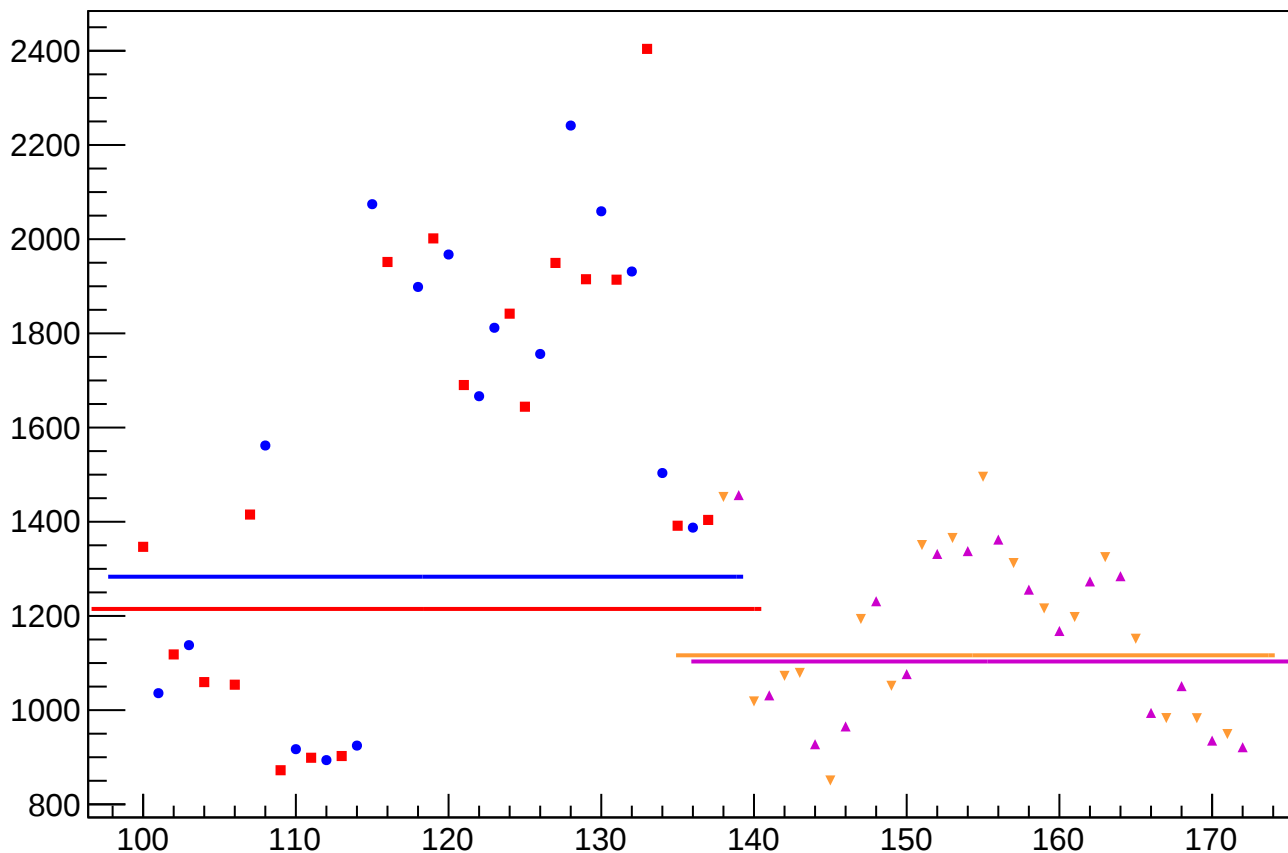
Right: 454.882 $\pm$ 354.232 χ^2 /NDF: 38.1/35

In: 86.598 $\pm$ 264.934 χ^2 /NDF:44.9/33

Out: -772.925 $\pm$ 259.507 χ^2 /NDF:80.0/36

All: -352.057 $\pm$ 185.388 χ^2 /NDF: 130.3/70

asym_sam_48_avg_correction_rms vs Slug, Sign Corrected



Right In: 1283.318 $\pm$ 0.370 χ^2 /NDF: 1169431.5/16

Left Out: 1116.417 $\pm$ 0.218 χ^2 /NDF: 657956.0/17

Right Out: 1214.883 $\pm$ 0.340 χ^2 /NDF: 1360860.3/18

Left In: 1103.307 $\pm$ 0.217 χ^2 /NDF: 565450.5/16

Left: 1109.839 $\pm$ 0.154 χ^2 /NDF: 1225221.9/34

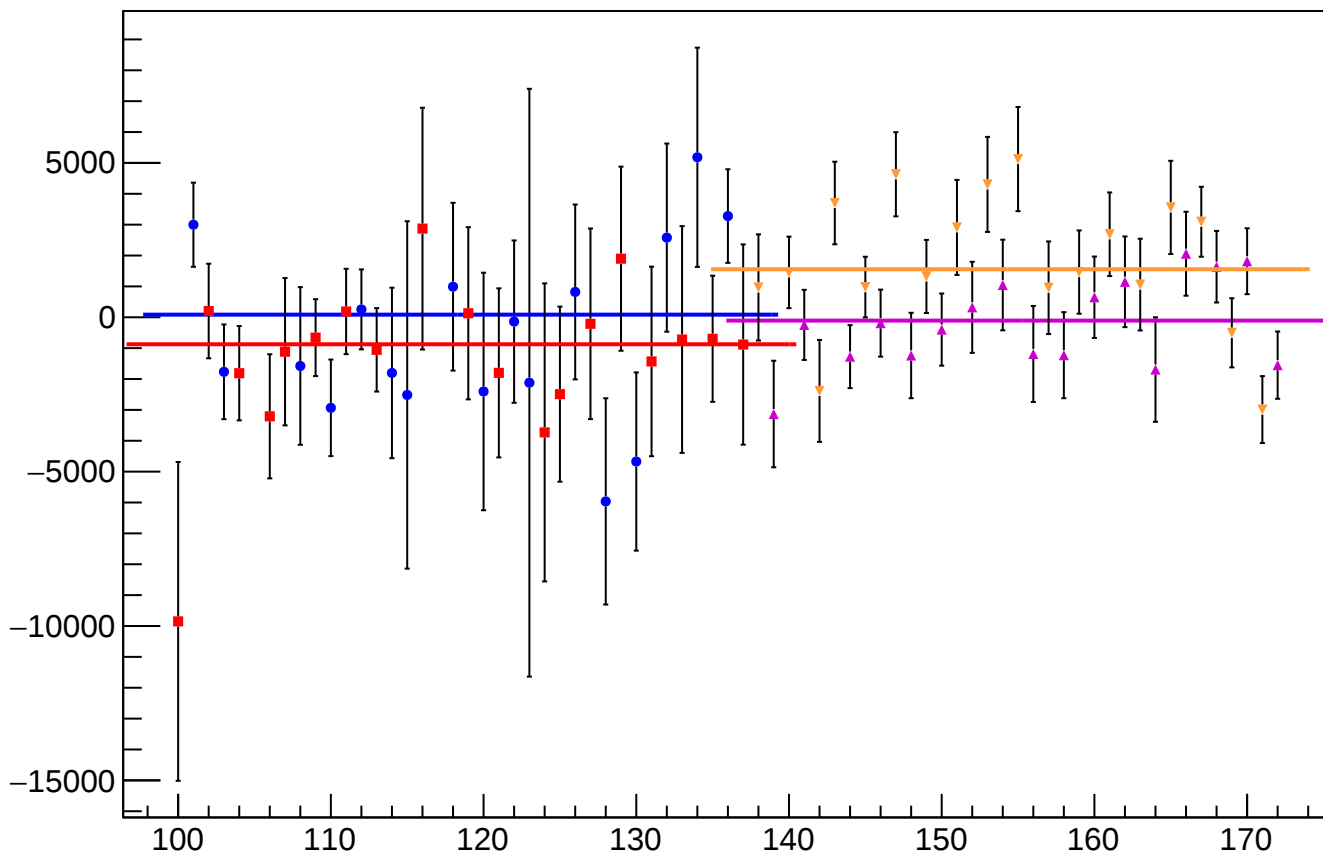
Right: 1246.197 $\pm$ 0.250 χ^2 /NDF: 2548819.1/35

In: 1149.381 $\pm$ 0.187 χ^2 /NDF: 1910718.2/33

Out: 1145.082 $\pm$ 0.183 χ^2 /NDF: 2078238.2/36

All: 1147.187 $\pm$ 0.131 χ^2 /NDF: 3989225.1/70

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 85.077+/-527.082 χ^2/NDF : 24.7/16

Left Out: 1555.687+/-310.786 χ^2/NDF : 47.9/17

Right Out: -874.592+/-484.647 χ^2/NDF : 8.7/18

Left In: -107.633+/-309.754 χ^2/NDF : 18.7/16

Left: 721.260+/-219.393 χ^2/NDF : 81.0/34

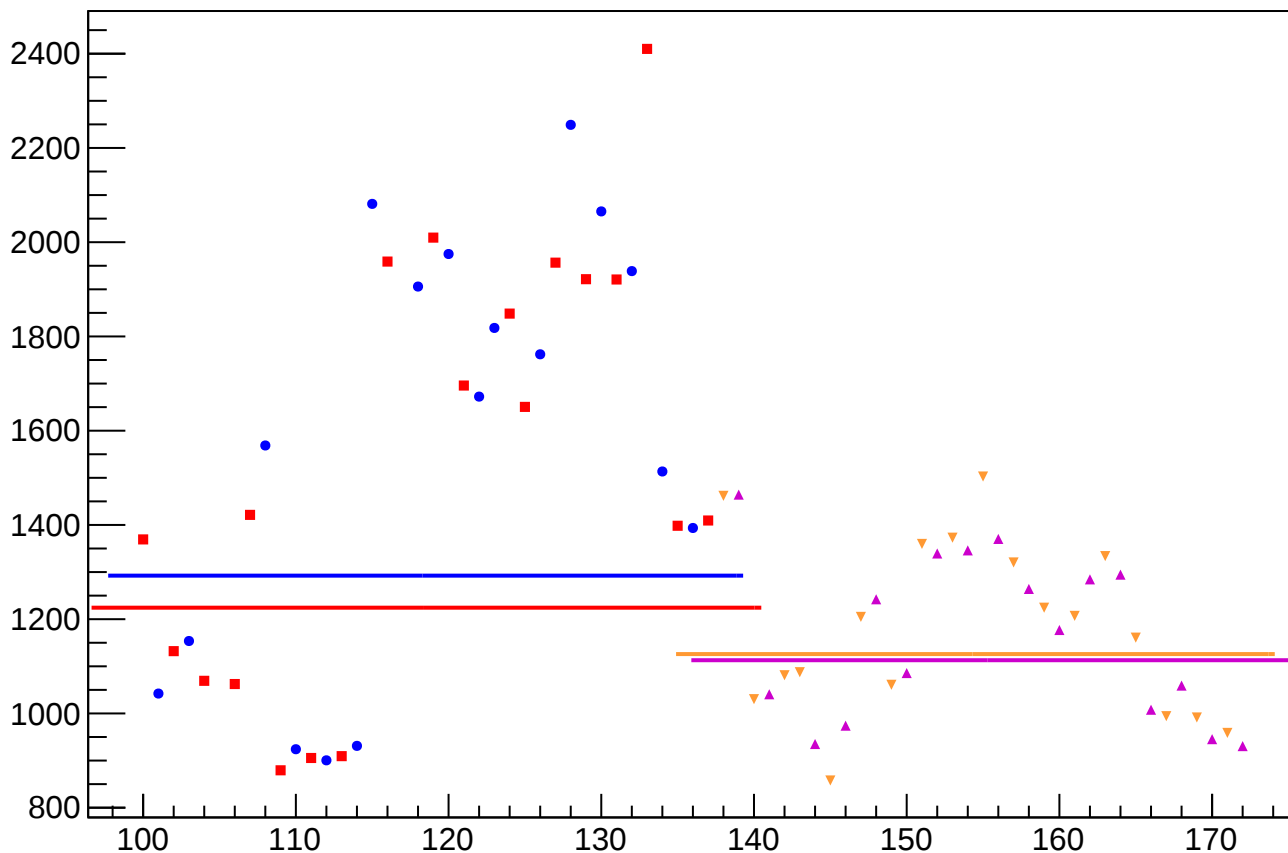
Right: -434.939+/-356.757 χ^2/NDF : 35.2/35

In: -58.163+/-267.052 χ^2/NDF : 43.5/33

Out: 847.522+/-261.616 χ^2/NDF : 74.4/36

All: 403.992+/-186.883 χ^2/NDF : 123.7/70

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1292.426+/-0.373 χ^2/NDF : 1156576.0/16

Left Out: 1125.981+/-0.220 χ^2/NDF : 647530.0/17

Right Out: 1224.429+/-0.343 χ^2/NDF : 1345748.2/18

Left In: 1112.944+/-0.219 χ^2/NDF : 555678.8/16

Left: 1119.441+/-0.155 χ^2/NDF : 1204974.3/34

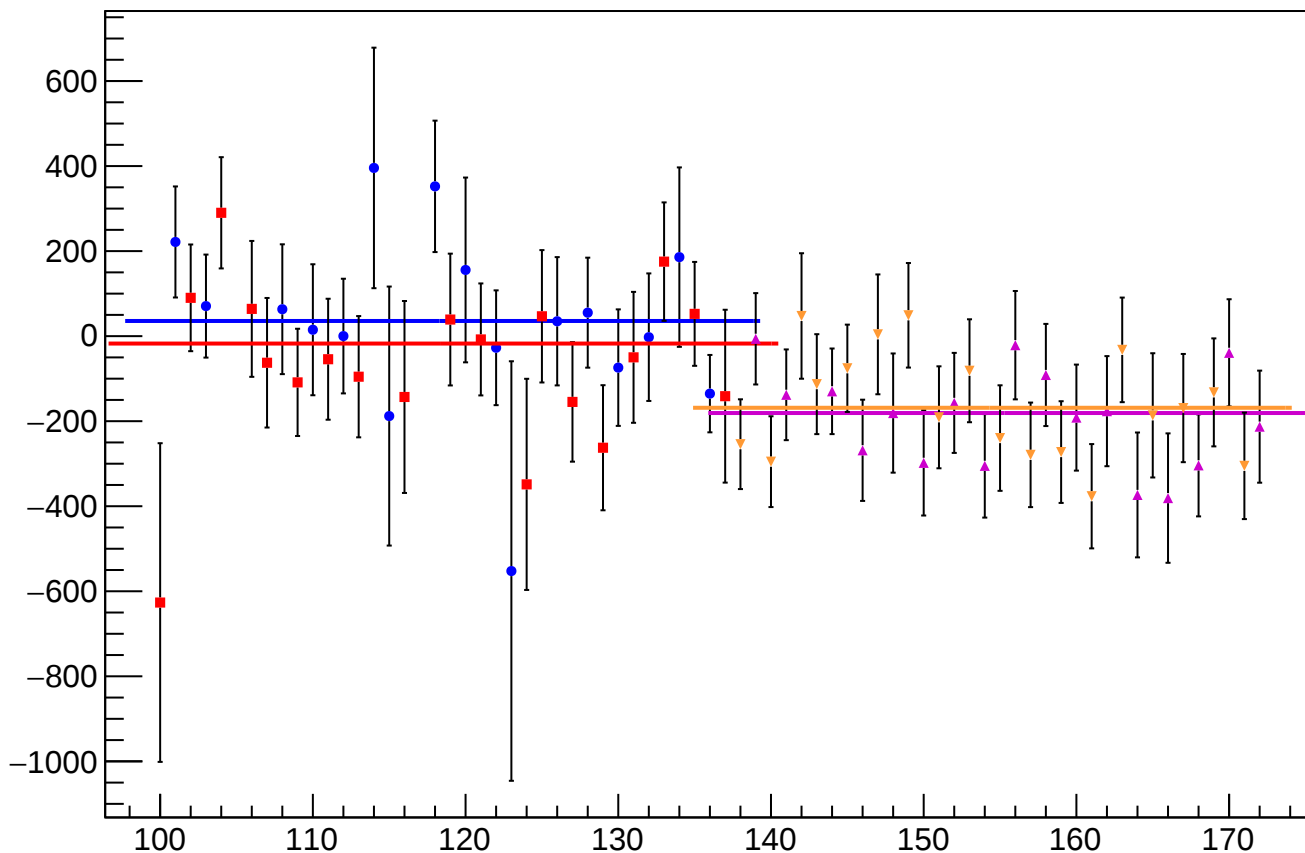
Right: 1255.580+/-0.252 χ^2/NDF : 2520360.3/35

In: 1159.018+/-0.189 χ^2/NDF : 1884628.9/33

Out: 1154.668+/-0.185 χ^2/NDF : 2051757.0/36

All: 1156.799+/-0.132 χ^2/NDF : 3936656.7/70

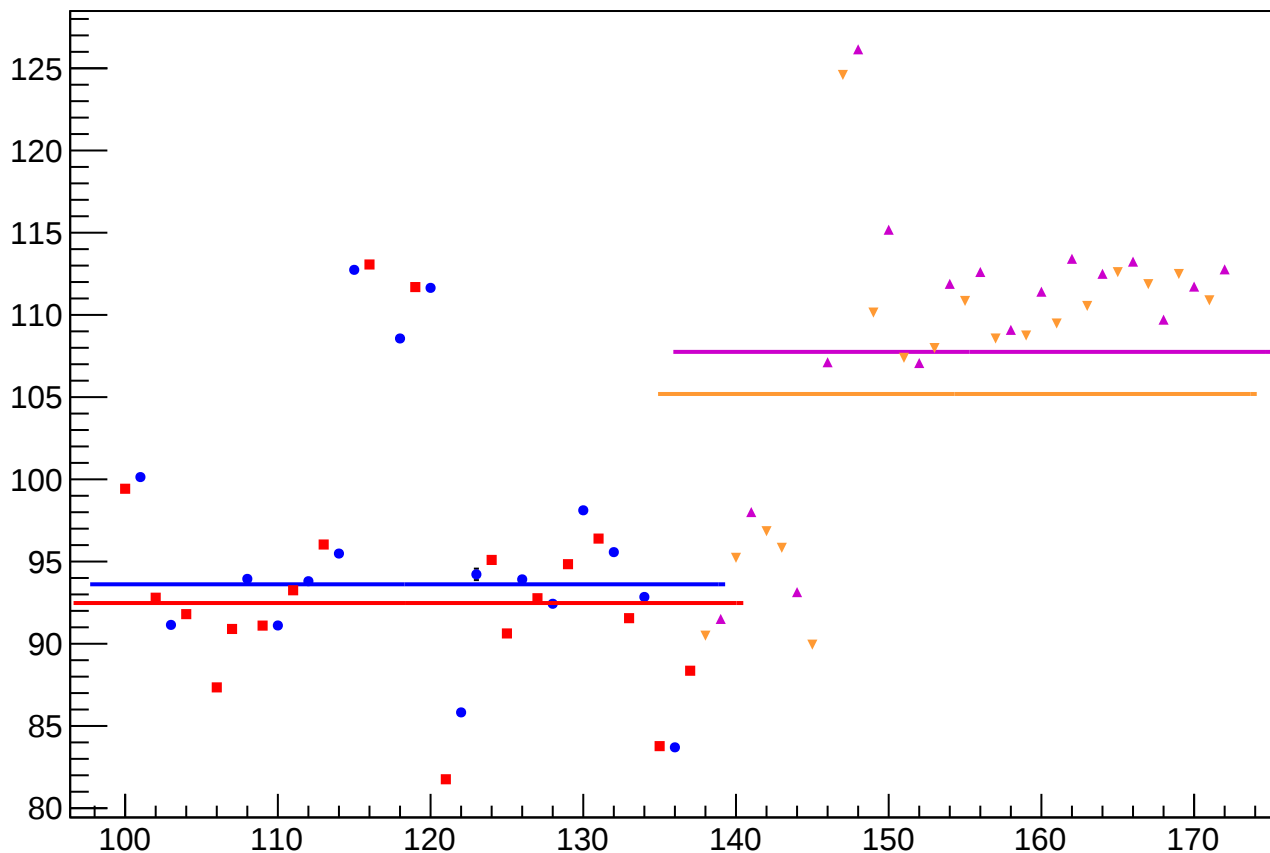
reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 35.679 ± 36.350 $\chi^2/\text{NDF}: 15.3/16$
 Left Out: -168.452 ± 28.713 $\chi^2/\text{NDF}: 17.7/17$
 Right Out: -17.418 ± 34.691 $\chi^2/\text{NDF}: 18.9/18$
 Left In: -180.802 ± 29.697 $\chi^2/\text{NDF}: 13.5/16$

Left: -174.419 ± 20.642 $\chi^2/\text{NDF}: 31.3/34$
 Right: 7.891 ± 25.096 $\chi^2/\text{NDF}: 35.3/35$
 In: -94.152 ± 22.998 $\chi^2/\text{NDF}: 50.1/33$
 Out: -107.049 ± 22.120 $\chi^2/\text{NDF}: 47.9/36$
 All: -100.851 ± 15.942 $\chi^2/\text{NDF}: 98.1/70$

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 93.616+/-0.026 χ^2/NDF : 79928.5/16

Left Out: 105.191+/-0.020 χ^2/NDF : 197346.2/17

Right Out: 92.477+/-0.025 χ^2/NDF : 78591.0/18

Left In: 107.752+/-0.021 χ^2/NDF : 167446.9/16

Left: 106.429+/-0.015 χ^2/NDF : 372476.2/34

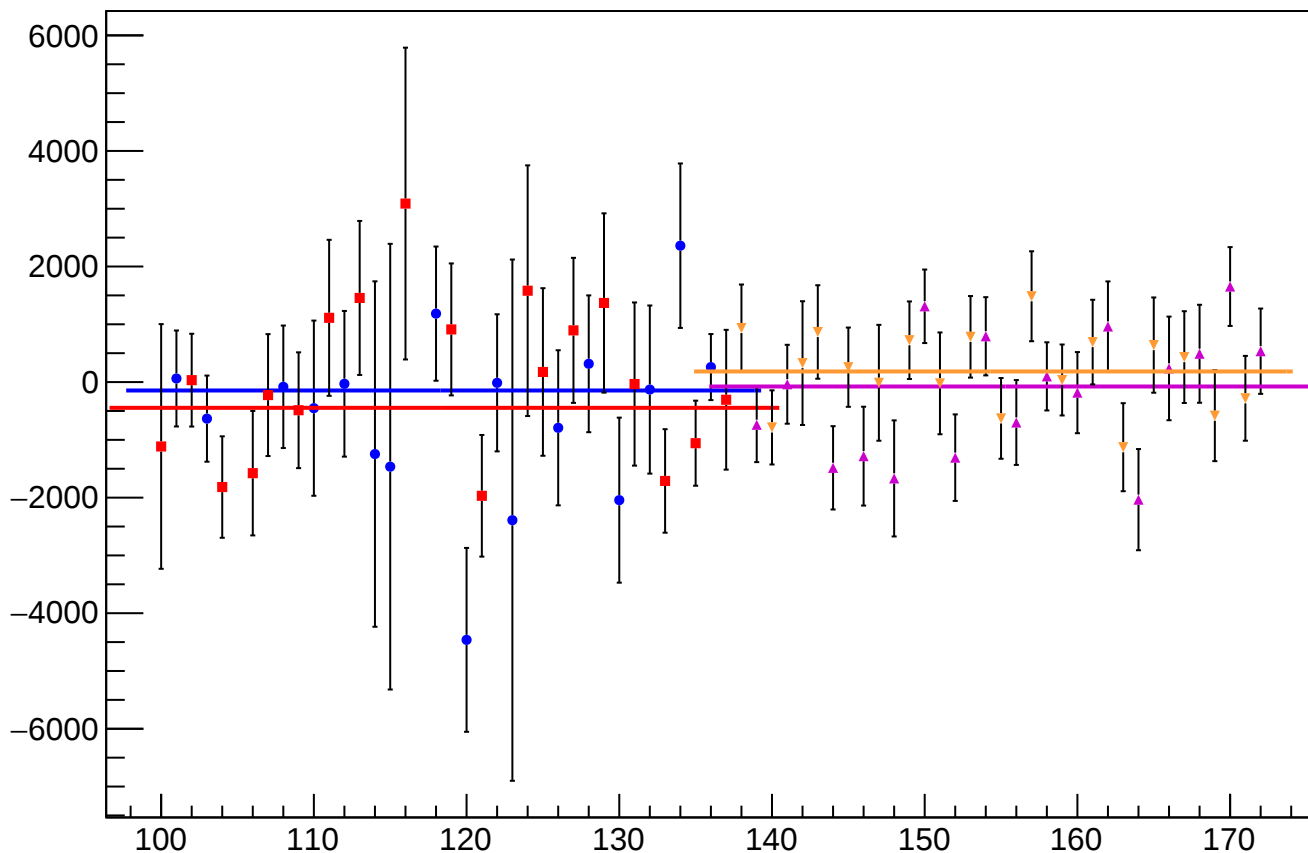
Right: 93.020+/-0.018 χ^2/NDF : 159546.8/35

In: 102.094+/-0.016 χ^2/NDF : 428763.1/33

Out: 100.022+/-0.016 χ^2/NDF : 435364.0/36

All: 101.018+/-0.011 χ^2/NDF : 872553.9/70

asym_sam_15_dd_correction_mean vs Slug, Sign Corrected



Right In: -145.464 $\pm$ 276.629 χ^2 /NDF: 15.5/16

Left Out: 183.540 $\pm$ 177.614 χ^2 /NDF:14.9/17

Right Out: -445.575 $\pm$ 260.276 χ^2 /NDF: 19.0/18

Left In: -76.540 $\pm$ 177.954 χ^2 /NDF:33.8/16

Left: 53.748 $\pm$ 125.712 χ^2 /NDF: 49.7/34

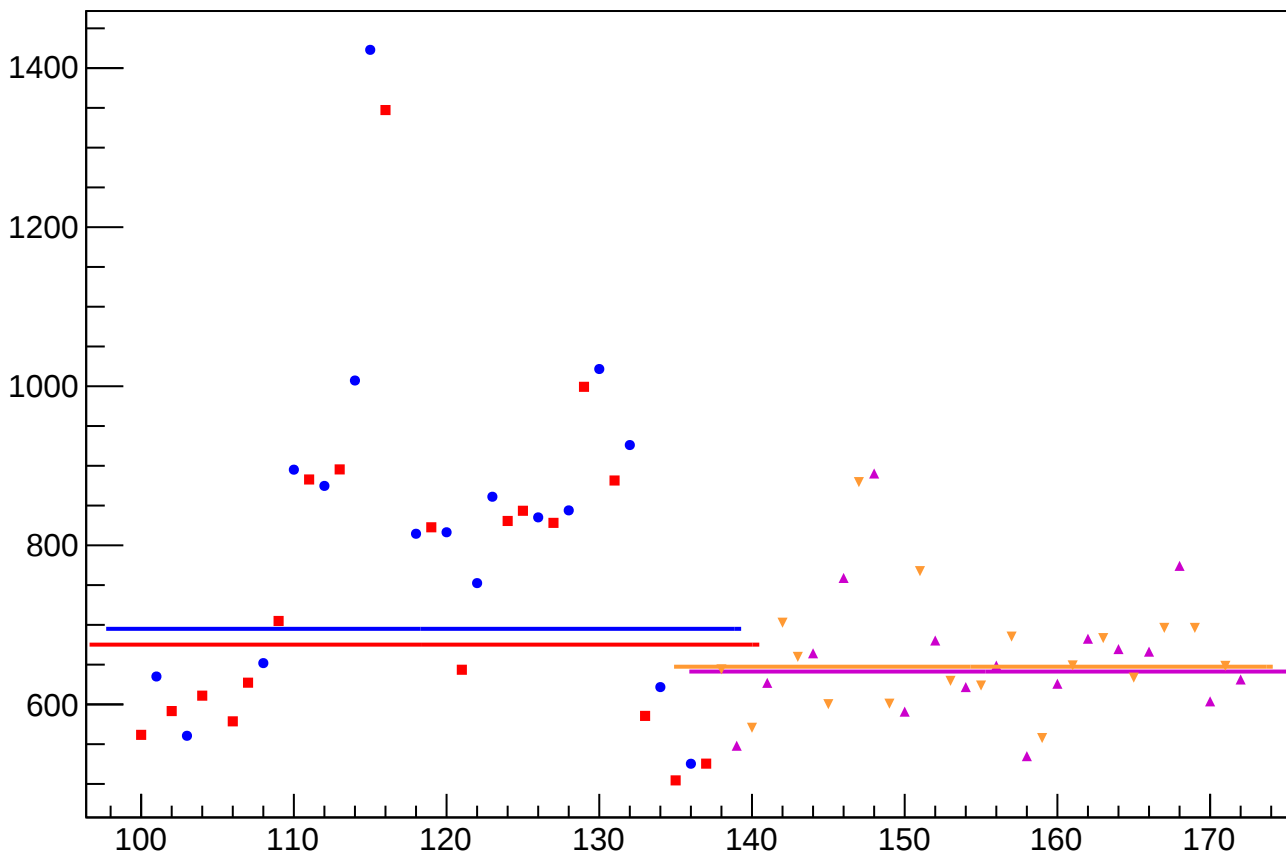
Right: -304.652 $\pm$ 189.560 χ^2 /NDF: 35.1/35

In: -96.714 $\pm$ 149.661 χ^2 /NDF:49.3/33

Out: -16.344 $\pm$ 146.709 χ^2 /NDF:37.9/36

All: -55.729 $\pm$ 104.767 χ^2 /NDF: 87.3/70

asym_sam_15_dd_correction_rms vs Slug, Sign Corrected



Right In: 695.014+/-0.196 χ^2/NDF : 677713.0/16

Left Out: 647.404+/-0.126 χ^2/NDF : 269137.6/17

Right Out: 675.151+/-0.184 χ^2/NDF : 676394.1/18

Left In: 641.304+/-0.126 χ^2/NDF : 355848.4/16

Left: 644.360+/-0.089 χ^2/NDF : 626163.3/34

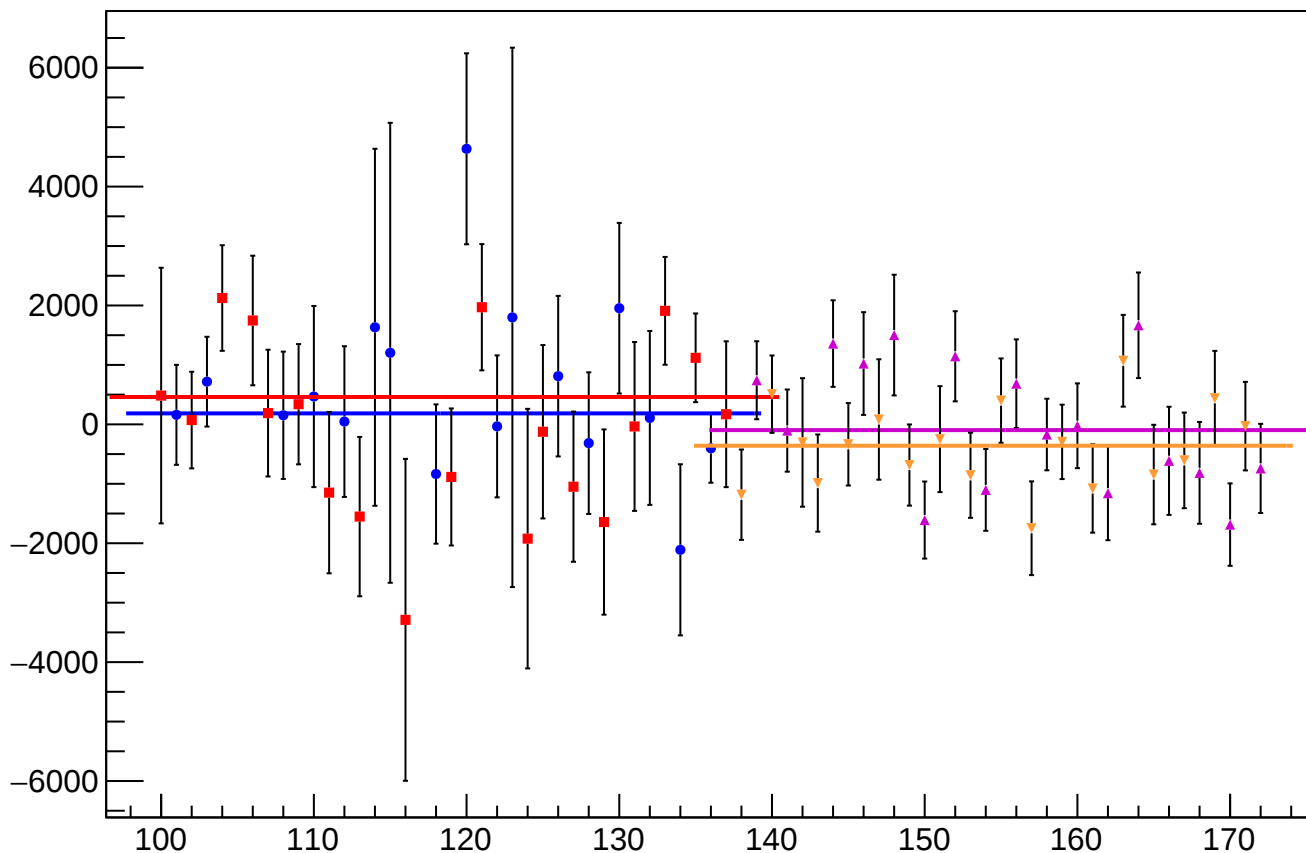
Right: 684.478+/-0.134 χ^2/NDF : 1359576.7/35

In: 657.025+/-0.106 χ^2/NDF : 1086888.5/33

Out: 656.220+/-0.104 χ^2/NDF : 961039.4/36

All: 656.614+/-0.074 χ^2/NDF : 2047957.4/70

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: 184.518 $\pm$ 279.390 χ^2/NDF : 14.9/16

Left Out: -359.511 $\pm$ 180.066 χ^2/NDF :14.7/17

Right Out: 460.174 $\pm$ 262.960 χ^2/NDF : 22.3/18

Left In: -96.945 $\pm$ 180.585 χ^2/NDF :33.9/16

Left: -228.606 $\pm$ 127.509 χ^2/NDF : 49.7/34

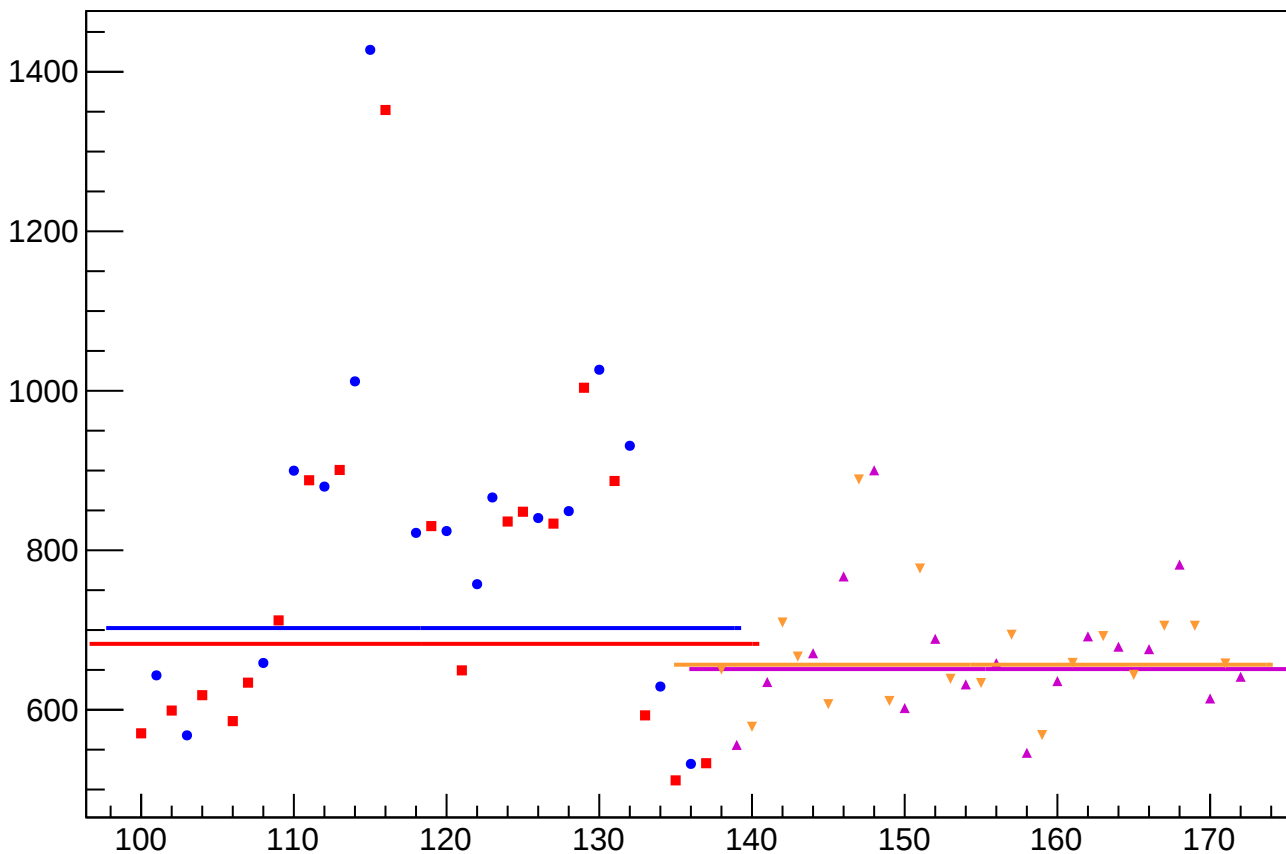
Right: 330.689 $\pm$ 191.486 χ^2/NDF : 37.7/35

In: -14.007 $\pm$ 151.662 χ^2/NDF :49.6/33

Out: -97.851 $\pm$ 148.571 χ^2/NDF :43.6/36

All: -56.792 $\pm$ 106.132 χ^2/NDF : 93.4/70

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 702.469 $\pm$ 0.198 χ^2 /NDF: 660525.4/16

Left Out: 656.547 $\pm$ 0.127 χ^2 /NDF: 262110.4/17

Right Out: 682.662 $\pm$ 0.186 χ^2 /NDF: 659521.7/18

Left In: 651.036 $\pm$ 0.128 χ^2 /NDF: 342761.4/16

Left: 653.799 $\pm$ 0.090 χ^2 /NDF: 605805.7/34

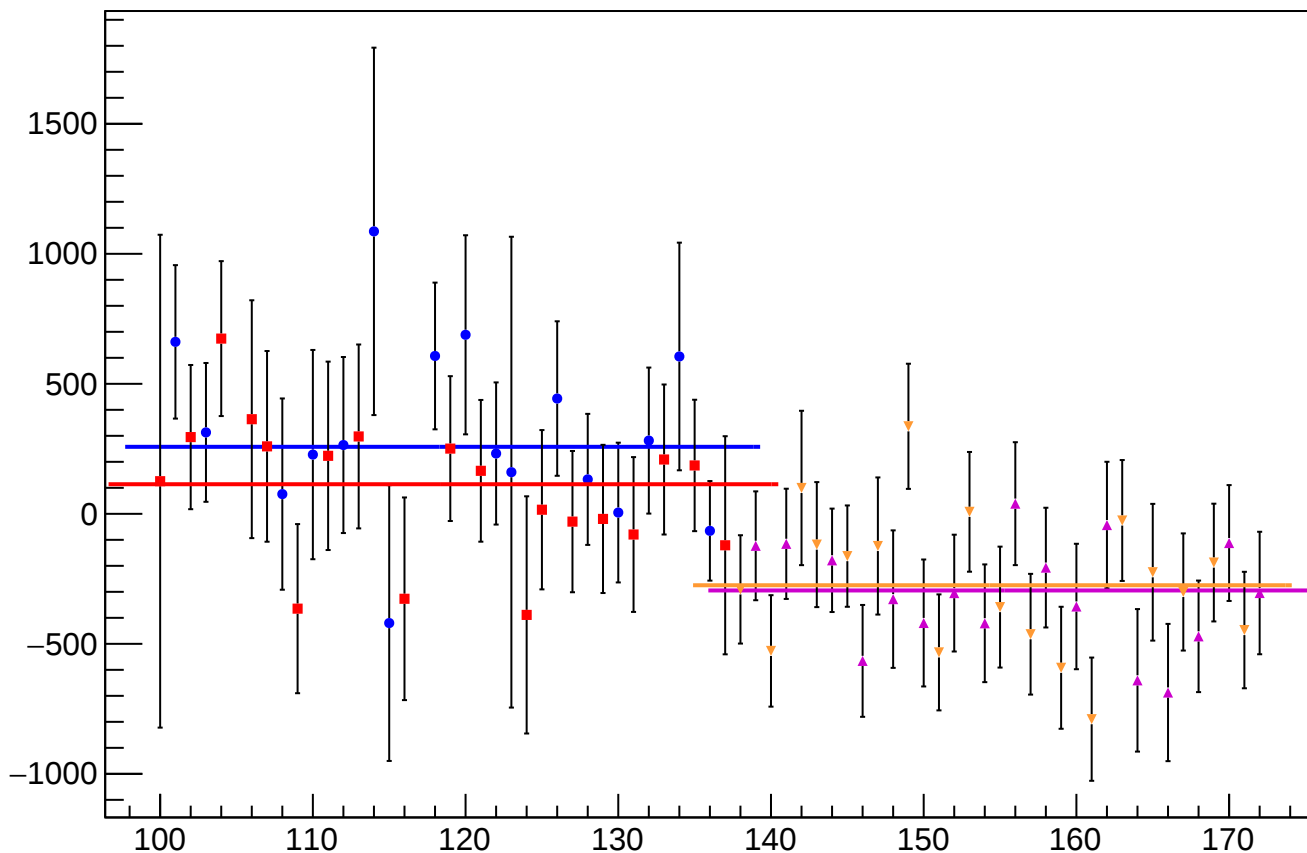
Right: 691.966 $\pm$ 0.135 χ^2 /NDF: 1325377.5/35

In: 666.191 $\pm$ 0.107 χ^2 /NDF: 1051093.5/33

Out: 664.883 $\pm$ 0.105 χ^2 /NDF: 935061.0/36

All: 665.524 $\pm$ 0.075 χ^2 /NDF: 1986230.4/70

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 257.721 $\pm$ 75.931 χ^2 /NDF: 13.0/16

Left Out: -274.683 $\pm$ 54.593 χ^2 /NDF:22.6/17

Right Out: 113.851 $\pm$ 74.211 χ^2 /NDF: 11.2/18

Left In: -294.718 $\pm$ 55.833 χ^2 /NDF:12.3/16

Left: -284.476 $\pm$ 39.034 χ^2 /NDF: 35.0/34

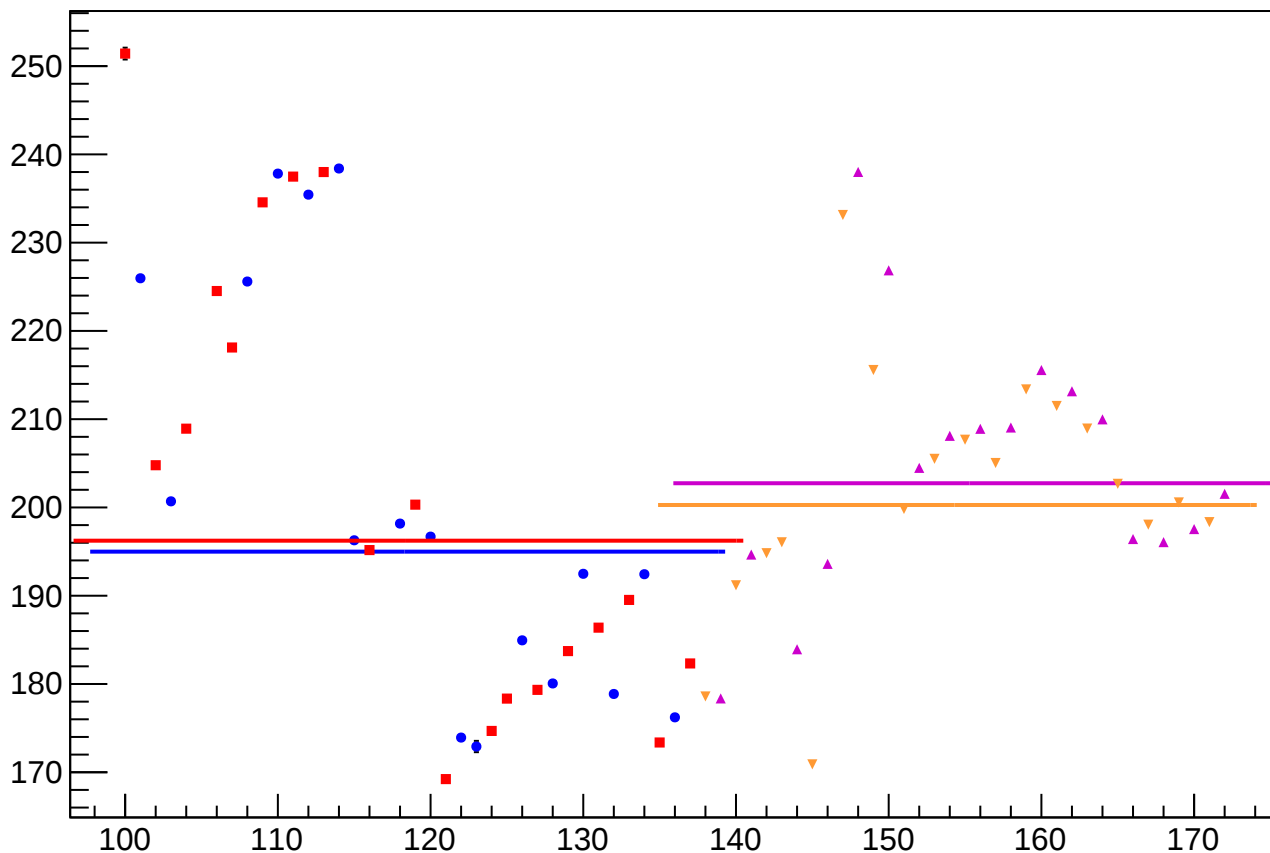
Right: 184.138 $\pm$ 53.073 χ^2 /NDF: 26.1/35

In: -100.846 $\pm$ 44.982 χ^2 /NDF:59.7/33

Out: -138.251 $\pm$ 43.976 χ^2 /NDF:51.7/36

All: -119.971 $\pm$ 31.445 χ^2 /NDF: 111.7/70

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 194.994 $\pm$ 0.054 χ^2 /NDF: 144271.1/16

Left Out: 200.279 $\pm$ 0.039 χ^2 /NDF:129079.1/17

Right Out: 196.235 $\pm$ 0.052 χ^2 /NDF: 173491.6/18

Left In: 202.743 $\pm$ 0.039 χ^2 /NDF:125670.0/16

Left: 201.483 $\pm$ 0.028 χ^2 /NDF: 256740.4/34

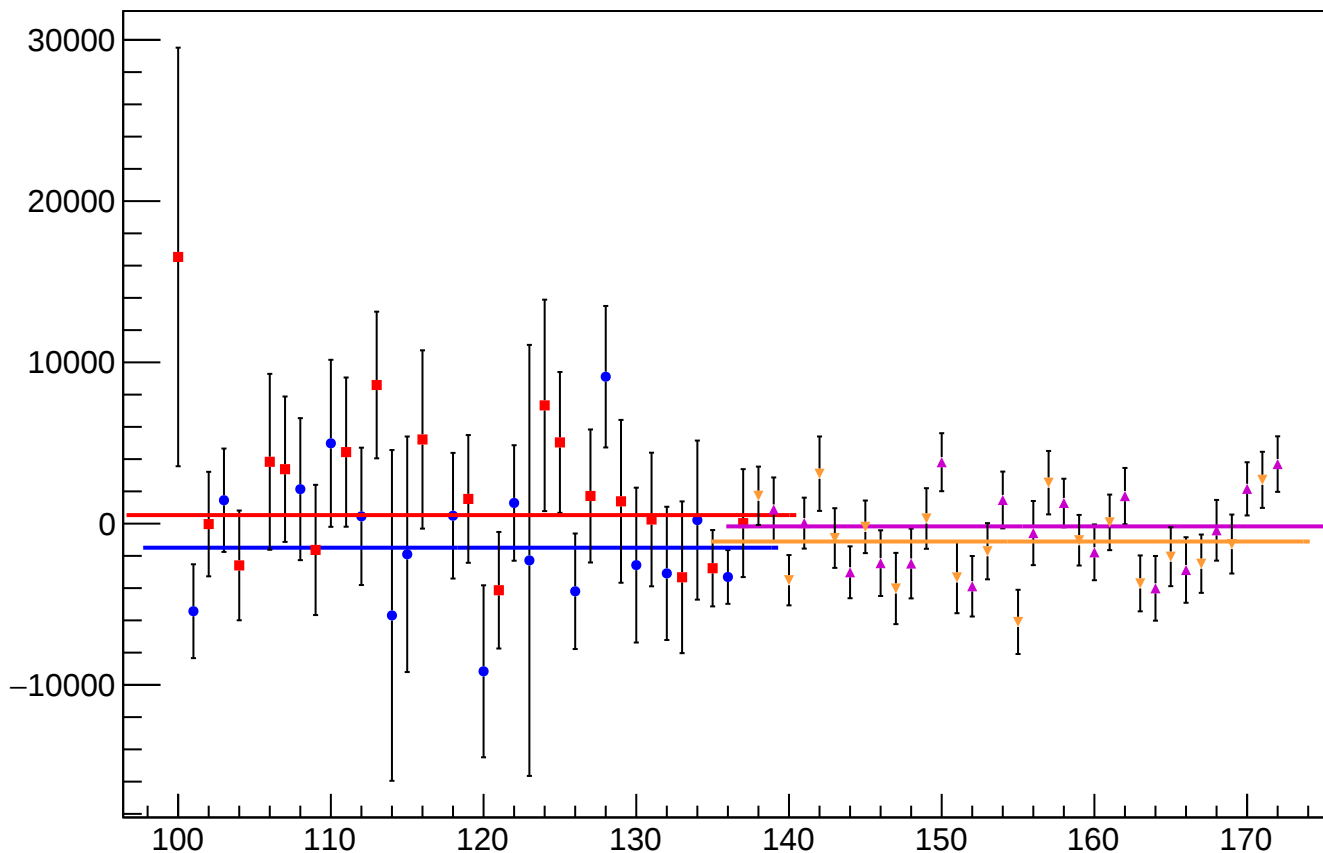
Right: 195.629 $\pm$ 0.038 χ^2 /NDF: 318035.8/35

In: 200.024 $\pm$ 0.032 χ^2 /NDF:283459.6/33

Out: 198.859 $\pm$ 0.031 χ^2 /NDF:306424.4/36

All: 199.428 $\pm$ 0.022 χ^2 /NDF: 590569.6/70

asym_sam_26_dd_correction_mean vs Slug, Sign Corrected



Right In: -1493.280+/-910.834 χ^2/NDF : 16.1/16

Left Out: -1109.207+/-429.747 χ^2/NDF : 30.0/17

Right Out: 528.758+/-934.718 χ^2/NDF : 14.6/18

Left In: -170.631+/-436.652 χ^2/NDF : 31.0/16

Left: -647.399+/-306.289 χ^2/NDF : 63.3/34

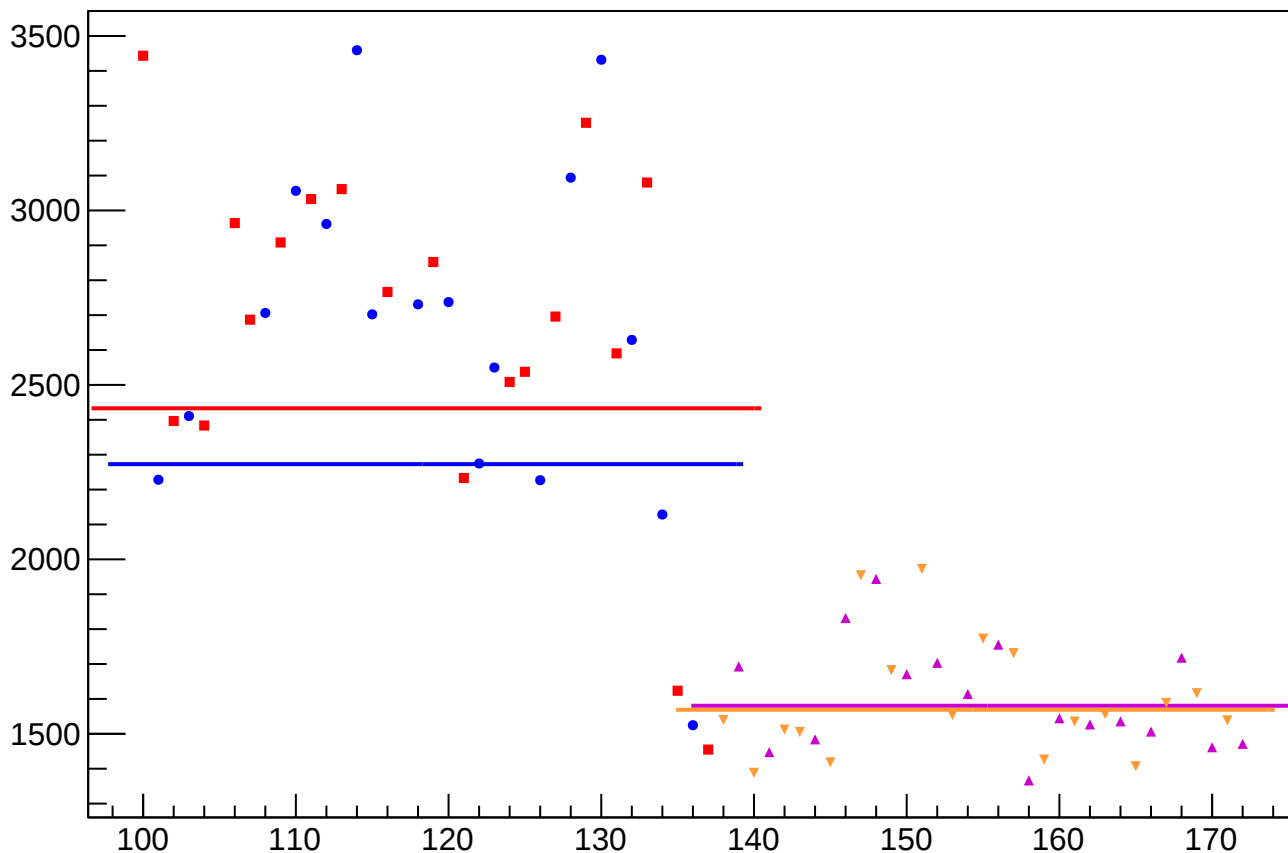
Right: -508.424+/-652.337 χ^2/NDF : 33.2/35

In: -417.800+/-393.744 χ^2/NDF : 48.8/33

Out: -823.390+/-390.457 χ^2/NDF : 47.2/36

All: -622.295+/-277.249 χ^2/NDF : 96.6/70

asym_sam_26_dd_correction_rms vs Slug, Sign Corrected



Right In: 2272.883+/-0.644 χ^2/NDF : 805650.3/16

Left Out: 1568.960+/-0.304 χ^2/NDF : 252381.9/17

Right Out: 2432.950+/-0.661 χ^2/NDF : 680783.9/18

Left In: 1580.412+/-0.309 χ^2/NDF : 220580.5/16

Left: 1574.595+/-0.217 χ^2/NDF : 473661.2/34

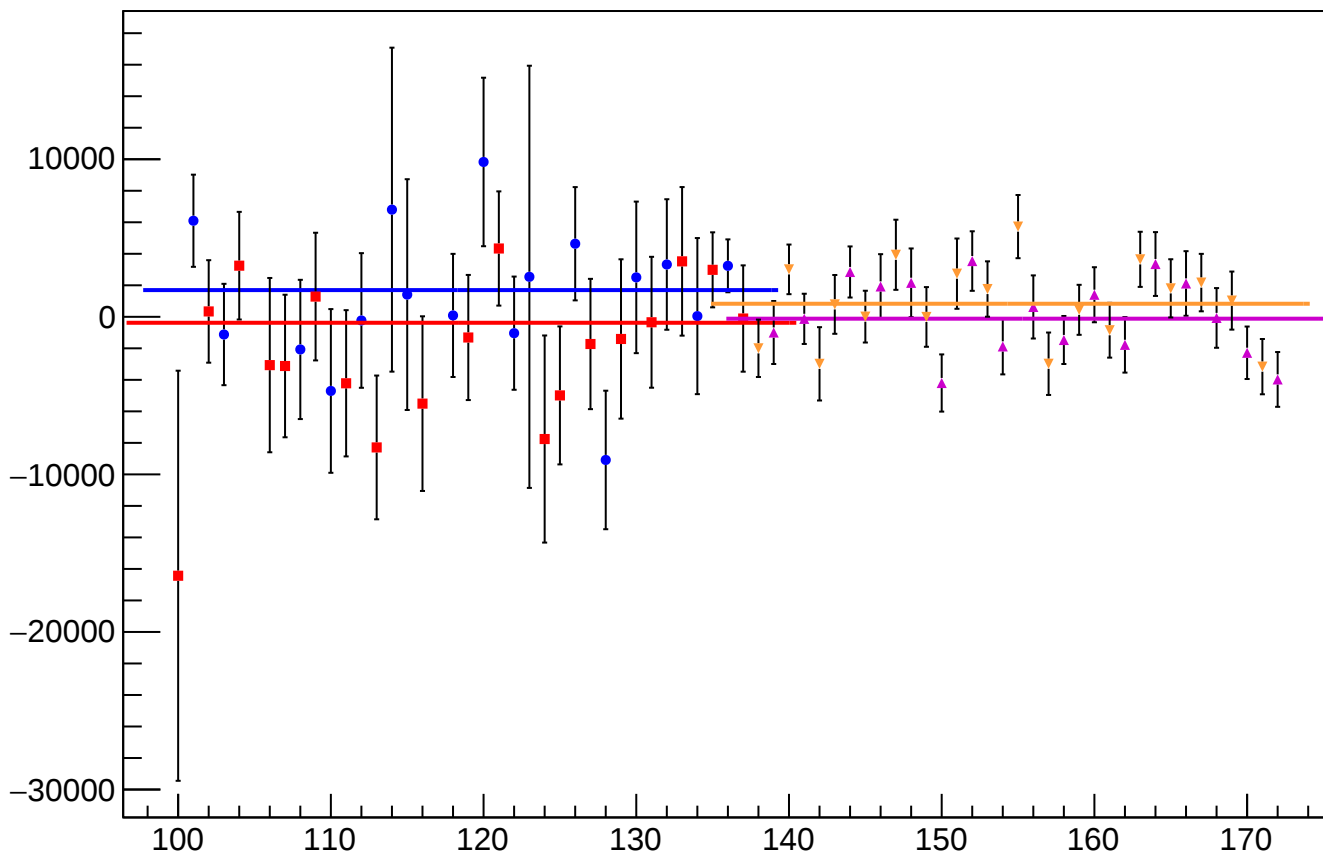
Right: 2350.846+/-0.461 χ^2/NDF : 1516518.2/35

In: 1709.817+/-0.278 χ^2/NDF : 1966199.9/33

Out: 1719.723+/-0.276 χ^2/NDF : 2343770.6/36

All: 1714.811+/-0.196 χ^2/NDF : 4310608.8/70

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1695.956+/-914.855 χ^2/NDF : 16.6/16

Left Out: 829.747+/-433.374 χ^2/NDF : 29.7/17

Right Out: -377.629+/-938.528 χ^2/NDF : 15.0/18

Left In: -118.630+/-440.399 χ^2/NDF : 28.7/16

Left: 363.183+/-308.895 χ^2/NDF : 60.8/34

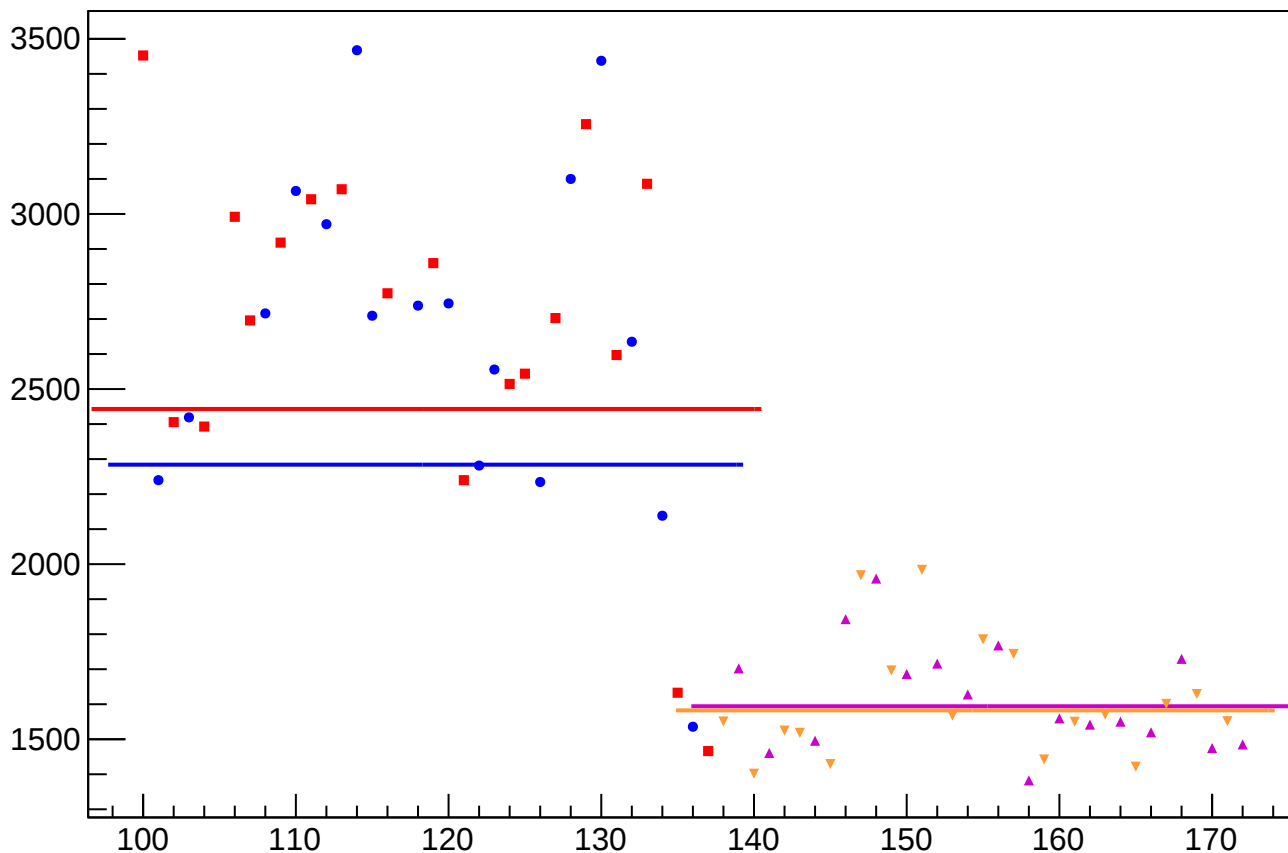
Right: 685.645+/-655.109 χ^2/NDF : 34.1/35

In: 222.759+/-396.815 χ^2/NDF : 48.5/33

Out: 617.553+/-393.453 χ^2/NDF : 46.0/36

All: 421.835+/-279.394 χ^2/NDF : 95.0/70

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2284.104+/-0.647 χ^2/NDF : 793993.4/16

Left Out: 1582.463+/-0.306 χ^2/NDF : 247601.8/17

Right Out: 2443.124+/-0.664 χ^2/NDF : 672899.9/18

Left In: 1594.231+/-0.311 χ^2/NDF : 215065.0/16

Left: 1588.252+/-0.218 χ^2/NDF : 463392.4/34

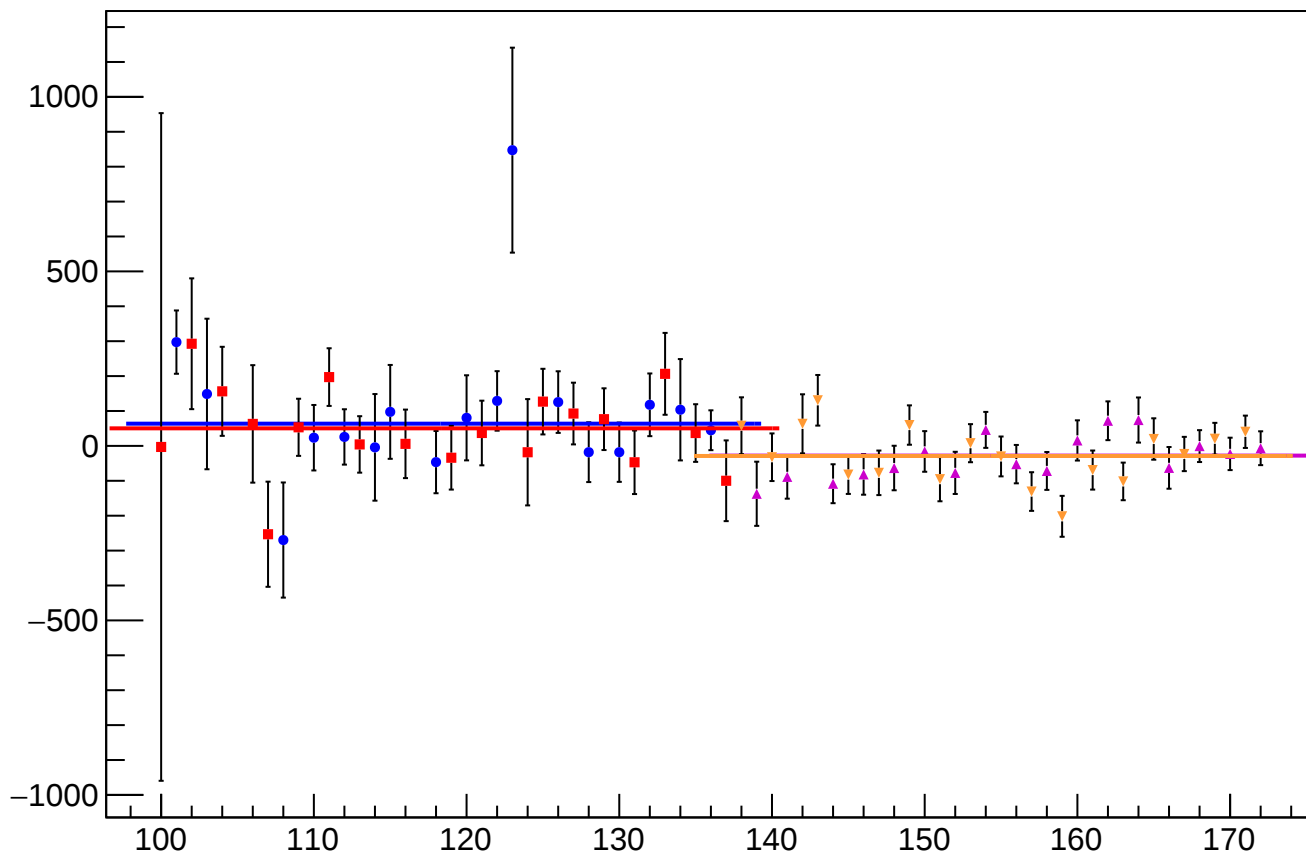
Right: 2361.583+/-0.463 χ^2/NDF : 1496334.9/35

In: 1724.021+/-0.281 χ^2/NDF : 1932365.0/33

Out: 1733.722+/-0.278 χ^2/NDF : 2306809.8/36

All: 1728.913+/-0.198 χ^2/NDF : 4239777.6/70

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 63.666 ± 23.743 χ^2/NDF : 23.7/16

Left Out: -28.850 ± 13.608 χ^2/NDF : 31.2/17

Right Out: 50.278 ± 23.661 χ^2/NDF : 16.8/18

Left In: -27.825 ± 13.651 χ^2/NDF : 16.4/16

Left: -28.339 ± 9.637 χ^2/NDF : 47.6/34

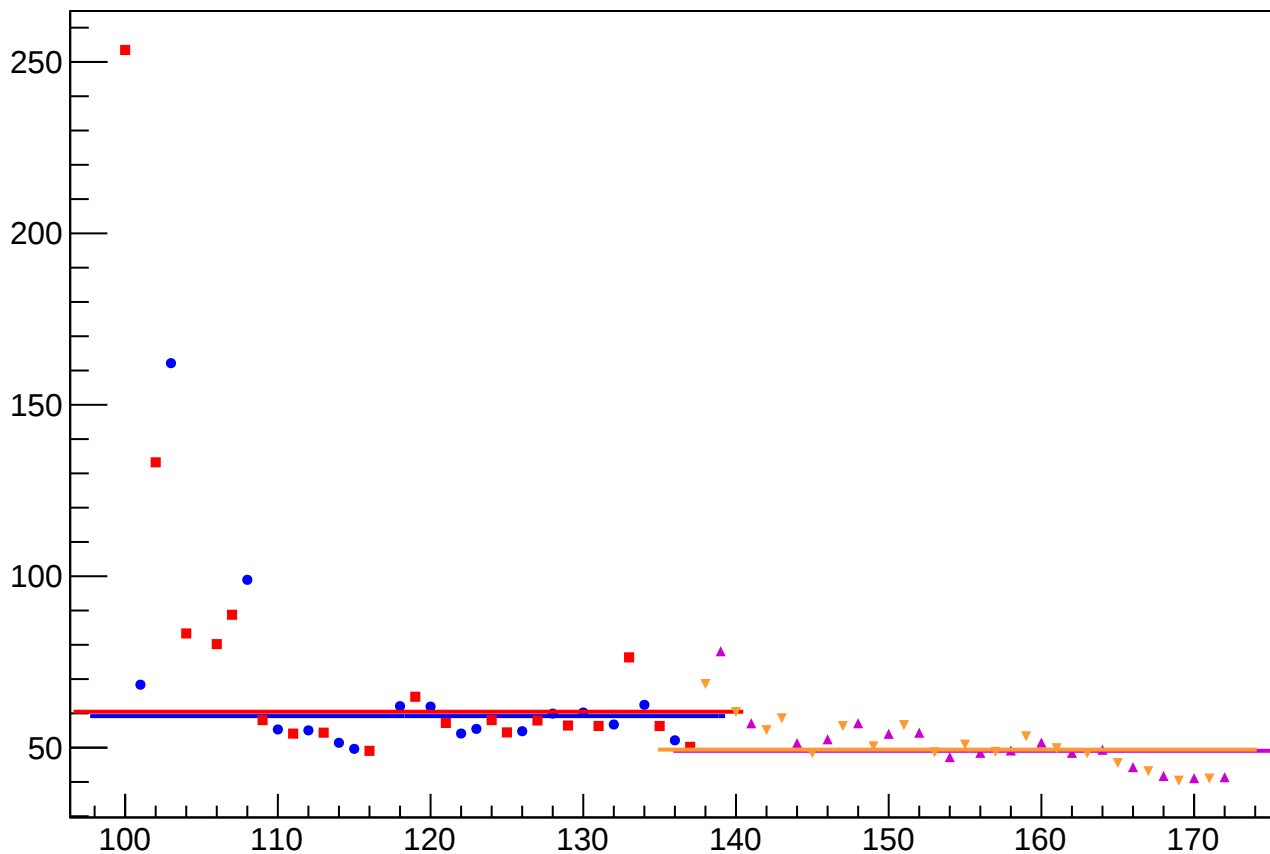
Right: 56.949 ± 16.760 χ^2/NDF : 40.6/35

In: -5.094 ± 11.834 χ^2/NDF : 51.3/33

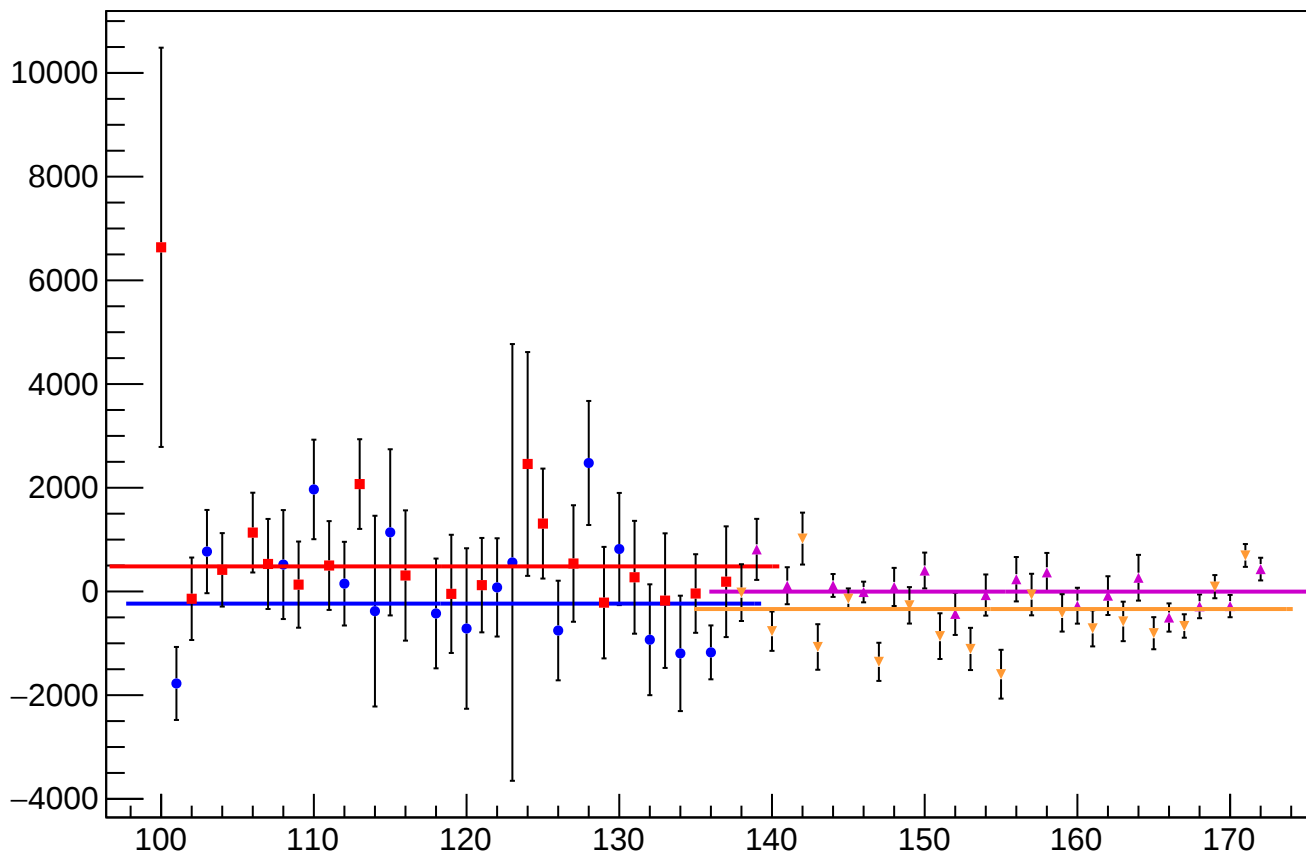
Out: -9.183 ± 11.796 χ^2/NDF : 56.4/36

All: -7.145 ± 8.355 χ^2/NDF : 107.7/70

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



asym_sam_37_dd_correction_mean vs Slug, Sign Corrected



Right In: -234.492 $\pm$ 233.880 χ^2 /NDF: 24.2/16

Left Out: -339.006 $\pm$ 75.405 χ^2 /NDF:64.8/17

Right Out: 483.305 $\pm$ 222.314 χ^2 /NDF: 10.6/18

Left In: -3.138 $\pm$ 72.014 χ^2 /NDF:17.7/16

Left: -163.349 $\pm$ 52.079 χ^2 /NDF: 92.9/34

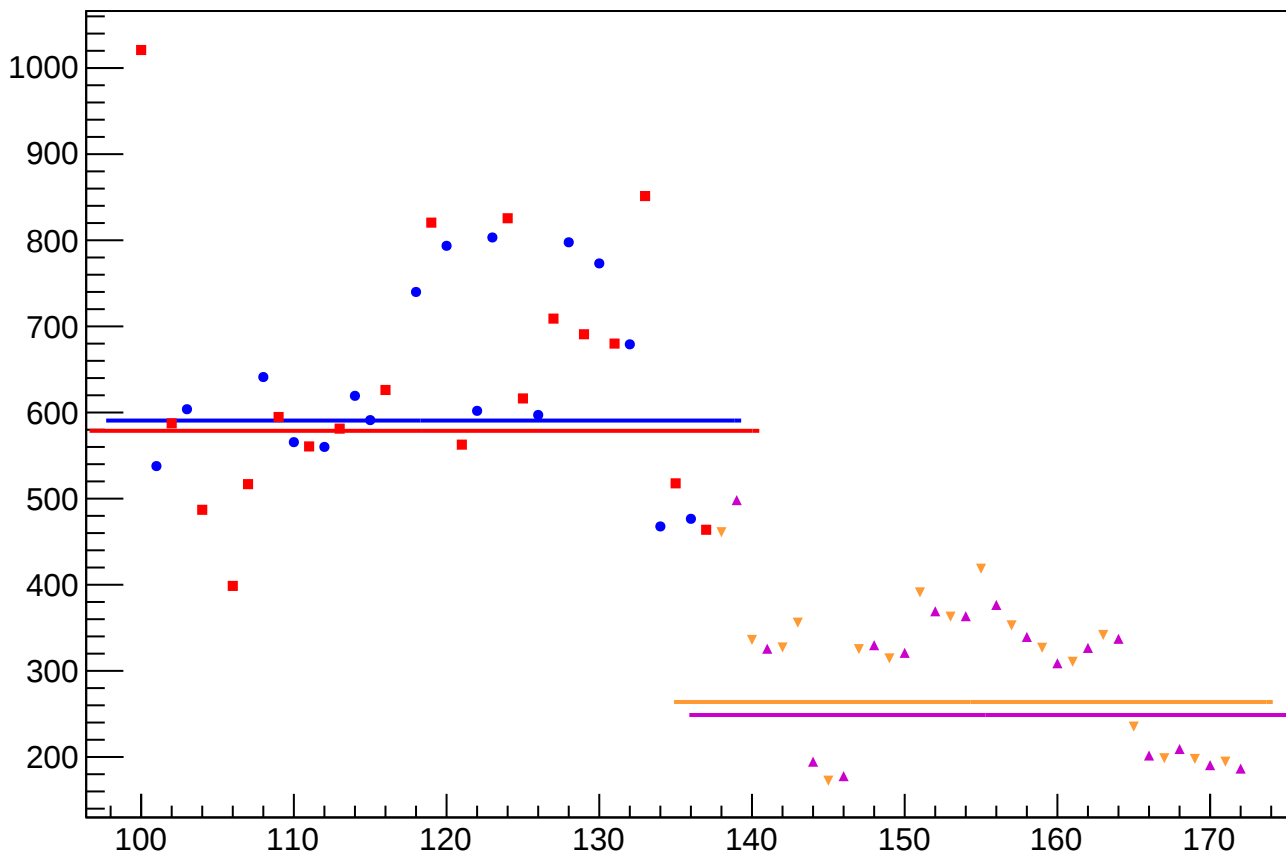
Right: 142.594 $\pm$ 161.133 χ^2 /NDF: 39.7/35

In: -23.172 $\pm$ 68.825 χ^2 /NDF:42.8/33

Out: -254.163 $\pm$ 71.410 χ^2 /NDF:87.6/36

All: -134.412 $\pm$ 49.555 χ^2 /NDF: 135.8/70

asym_sam_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 590.659+/-0.165 χ^2/NDF : 352080.1/16

Left Out: 263.881+/-0.053 χ^2/NDF : 2312180.6/17

Right Out: 578.753+/-0.157 χ^2/NDF : 493962.7/18

Left In: 248.773+/-0.051 χ^2/NDF : 2304108.2/16

Left: 255.980+/-0.037 χ^2/NDF : 4658279.2/34

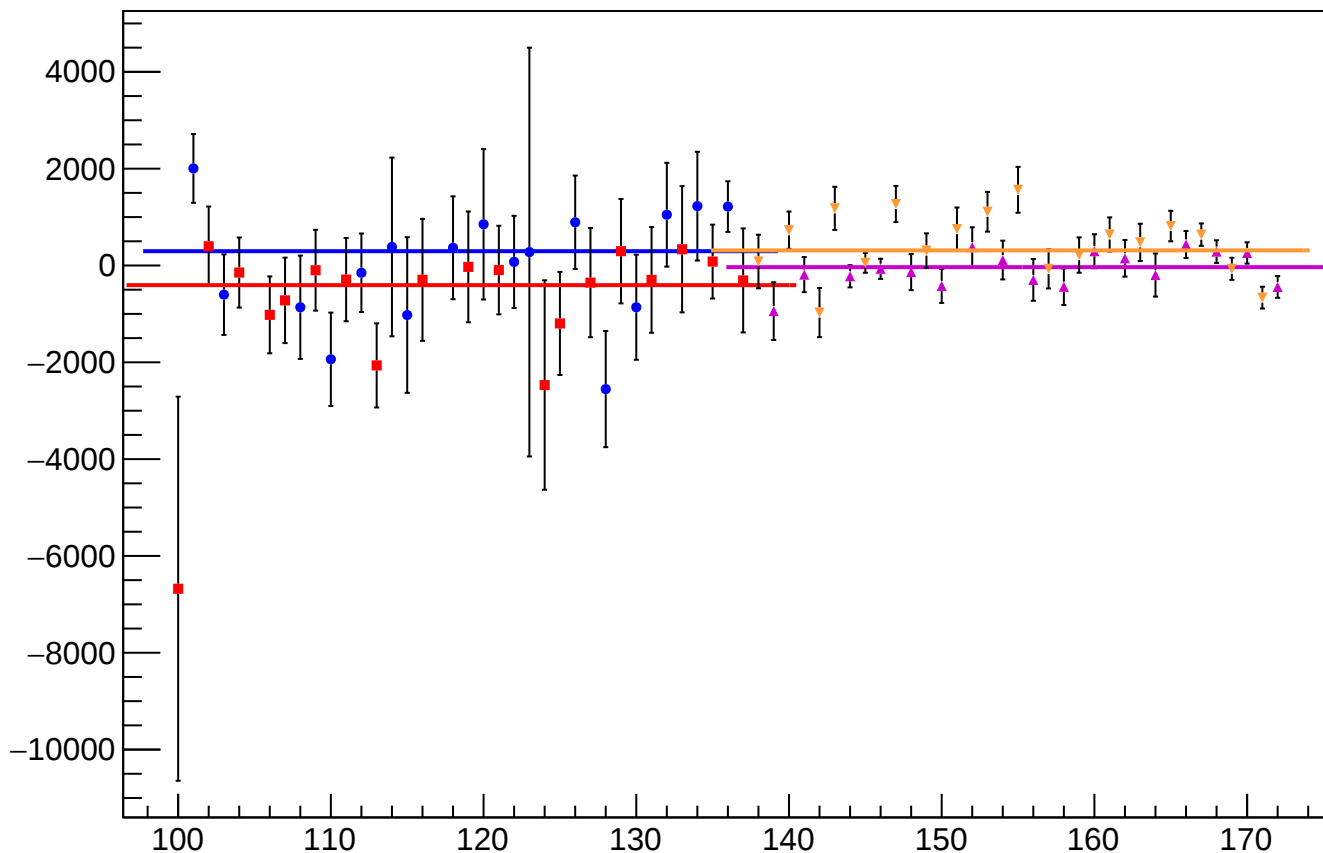
Right: 584.404+/-0.114 χ^2/NDF : 848765.8/35

In: 278.380+/-0.049 χ^2/NDF : 6559822.8/33

Out: 296.369+/-0.050 χ^2/NDF : 6404224.9/36

All: 287.043+/-0.035 χ^2/NDF : 13029845.8/70

asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 295.401 $\pm$ 235.860 χ^2/NDF : 26.1/16

Left Out: 311.864 $\pm$ 76.903 χ^2/NDF : 59.5/17

Right Out: -406.158 $\pm$ 224.855 χ^2/NDF : 11.0/18

Left In: -34.222 $\pm$ 73.668 χ^2/NDF : 18.2/16

Left: 131.390 $\pm$ 53.198 χ^2/NDF : 88.3/34

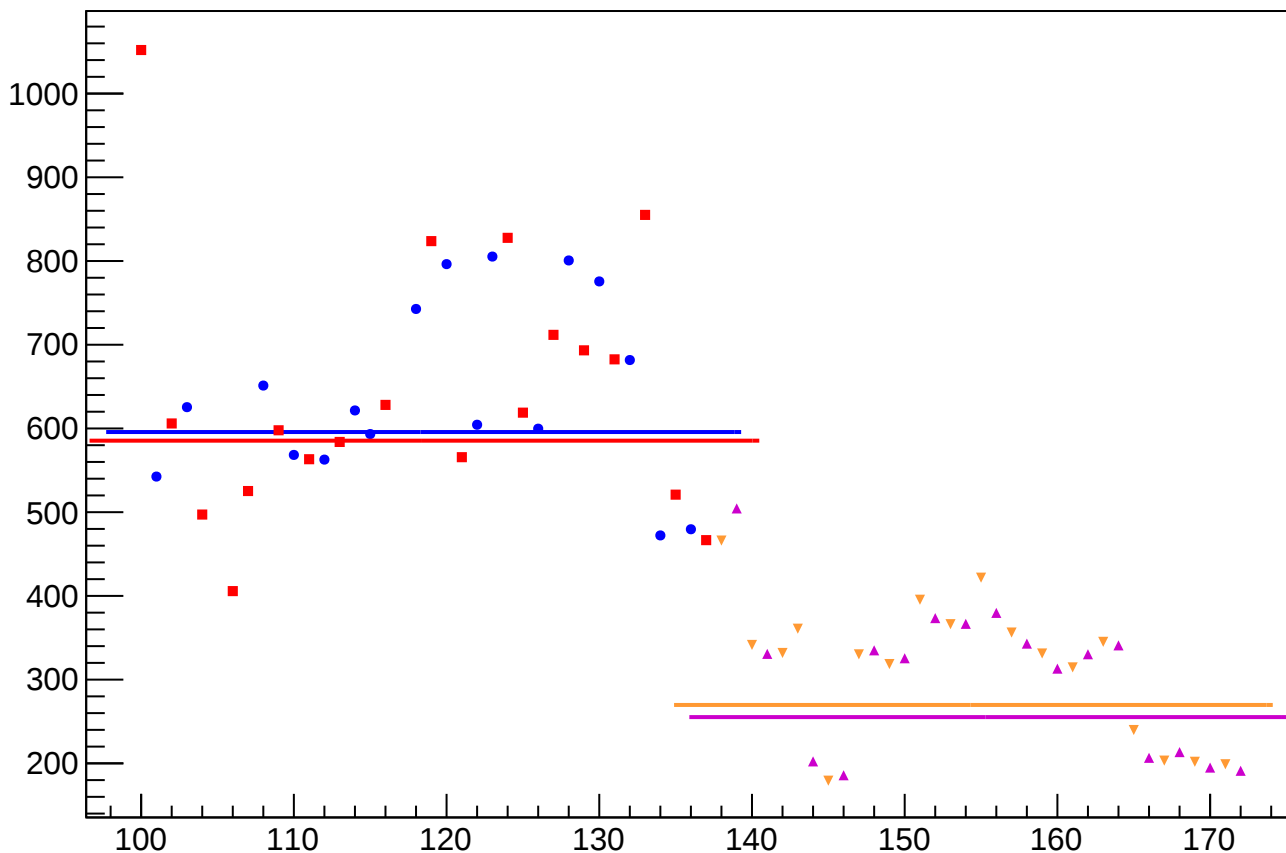
Right: -72.128 $\pm$ 162.748 χ^2/NDF : 41.7/35

In: -4.924 $\pm$ 70.318 χ^2/NDF : 46.1/33

Out: 236.671 $\pm$ 72.765 χ^2/NDF : 79.6/36

All: 111.744 $\pm$ 50.565 χ^2/NDF : 131.4/70

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 595.734 $\pm$ 0.167 χ^2/NDF : 350058.2/16

Left Out: 269.752 $\pm$ 0.054 χ^2/NDF :2201575.5/17

Right Out: 585.421 $\pm$ 0.159 χ^2/NDF : 474472.3/18

Left In: 255.245 $\pm$ 0.052 χ^2/NDF :2177670.0/16

Left: 262.187 $\pm$ 0.038 χ^2/NDF : 4416361.0/34

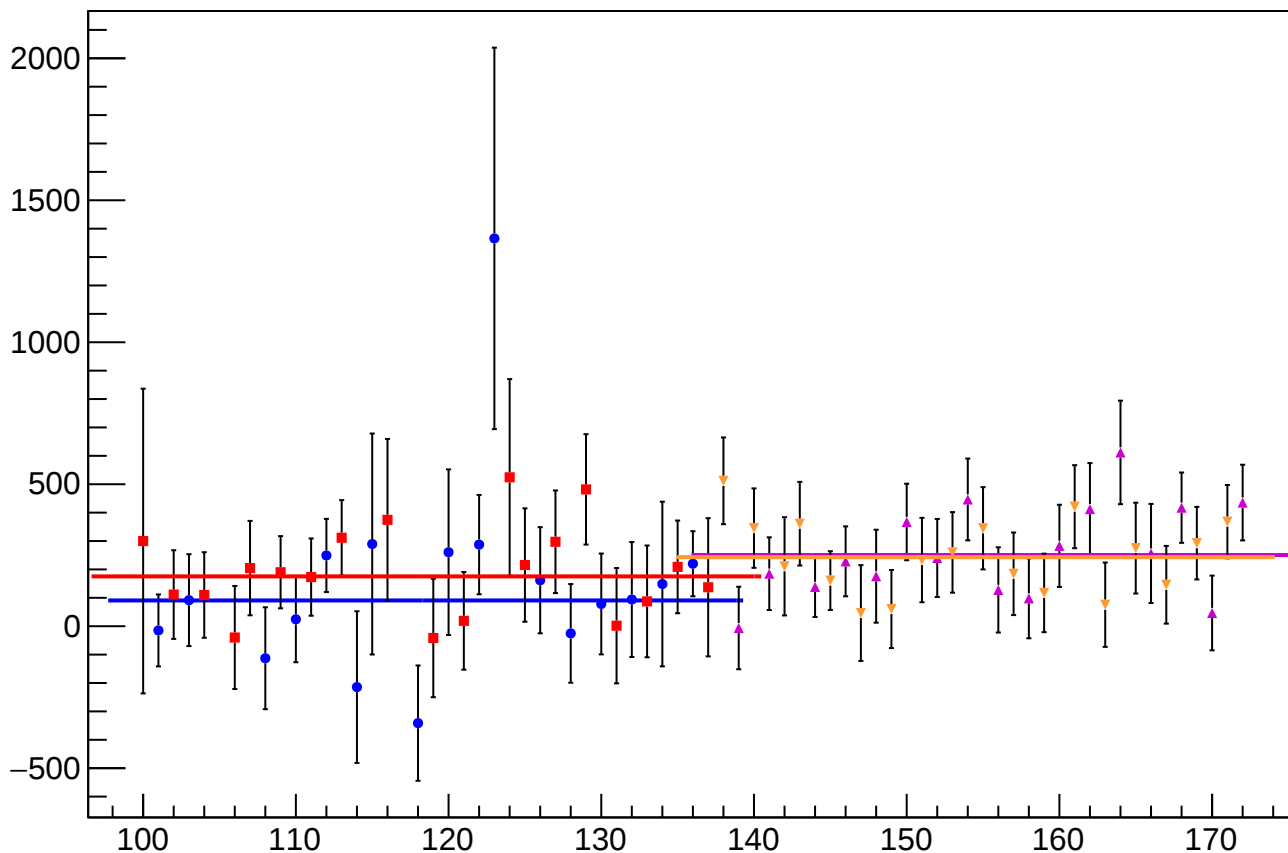
Right: 590.331 $\pm$ 0.115 χ^2/NDF : 826533.5/35

In: 285.509 $\pm$ 0.050 χ^2/NDF :6325239.4/33

Out: 302.810 $\pm$ 0.051 χ^2/NDF :6205014.9/36

All: 293.864 $\pm$ 0.036 χ^2/NDF : 12588718.6/70

reg_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 90.711+/-43.312 χ^2/NDF : 16.9/16

Left Out: 243.146+/-33.278 χ^2/NDF :14.0/17

Right Out: 175.485+/-41.101 χ^2/NDF : 10.3/18

Left In: 250.632+/-33.707 χ^2/NDF :20.3/16

Left: 246.841+/-23.681 χ^2/NDF : 34.3/34

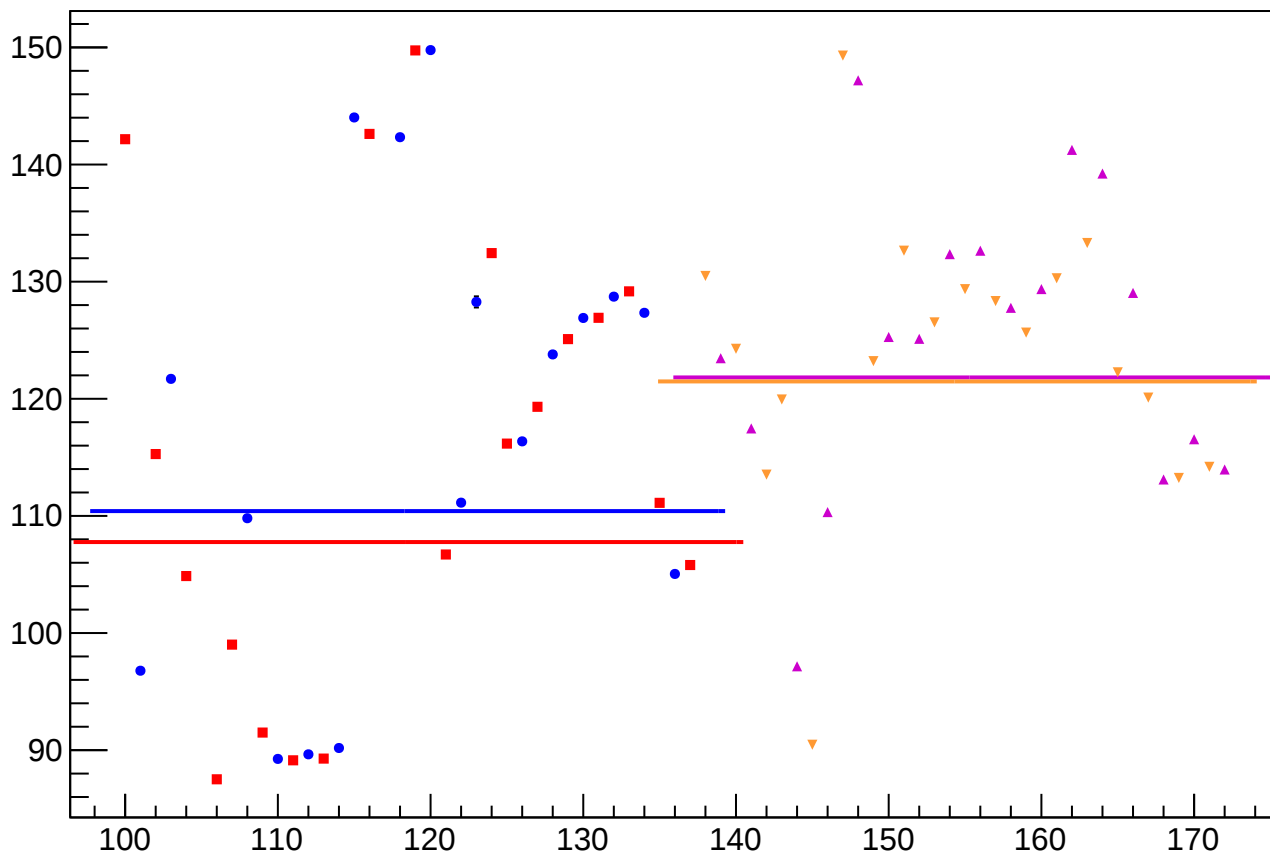
Right: 135.317+/-29.814 χ^2/NDF : 29.2/35

In: 190.311+/-26.601 χ^2/NDF :45.7/33

Out: 216.354+/-25.863 χ^2/NDF :25.9/36

All: 203.698+/-18.543 χ^2/NDF : 72.1/70

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 110.411 $\pm$ 0.031 χ^2 /NDF: 296425.4/16

Left Out: 121.482 $\pm$ 0.024 χ^2 /NDF:307524.9/17

Right Out: 107.768 $\pm$ 0.029 χ^2 /NDF: 344441.4/18

Left In: 121.822 $\pm$ 0.024 χ^2 /NDF:279671.5/16

Left: 121.650 $\pm$ 0.017 χ^2 /NDF: 587299.5/34

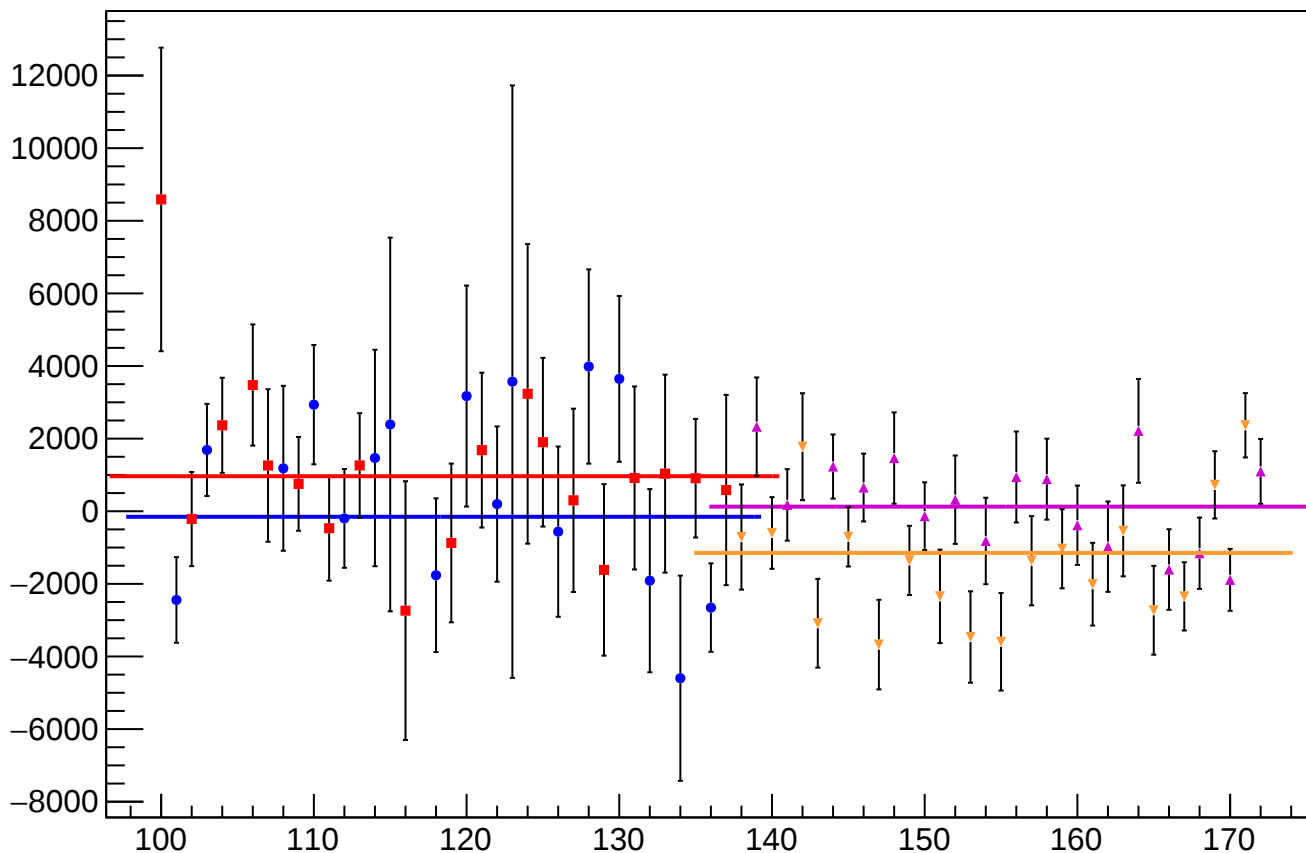
Right: 109.020 $\pm$ 0.021 χ^2 /NDF: 644787.1/35

In: 117.518 $\pm$ 0.019 χ^2 /NDF:662549.1/33

Out: 116.051 $\pm$ 0.018 χ^2 /NDF:786463.7/36

All: 116.764 $\pm$ 0.013 χ^2 /NDF: 1452137.7/70

asym_sam_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -152.403 ± 464.753 $\chi^2/\text{NDF}: 24.7/16$

Left Out: -1147.757 ± 259.681 $\chi^2/\text{NDF}: 43.0/17$

Right Out: 964.716 ± 435.111 $\chi^2/\text{NDF}: 12.3/18$

Left In: 126.664 ± 257.751 $\chi^2/\text{NDF}: 21.3/16$

Left: -505.794 ± 182.936 $\chi^2/\text{NDF}: 76.4/34$

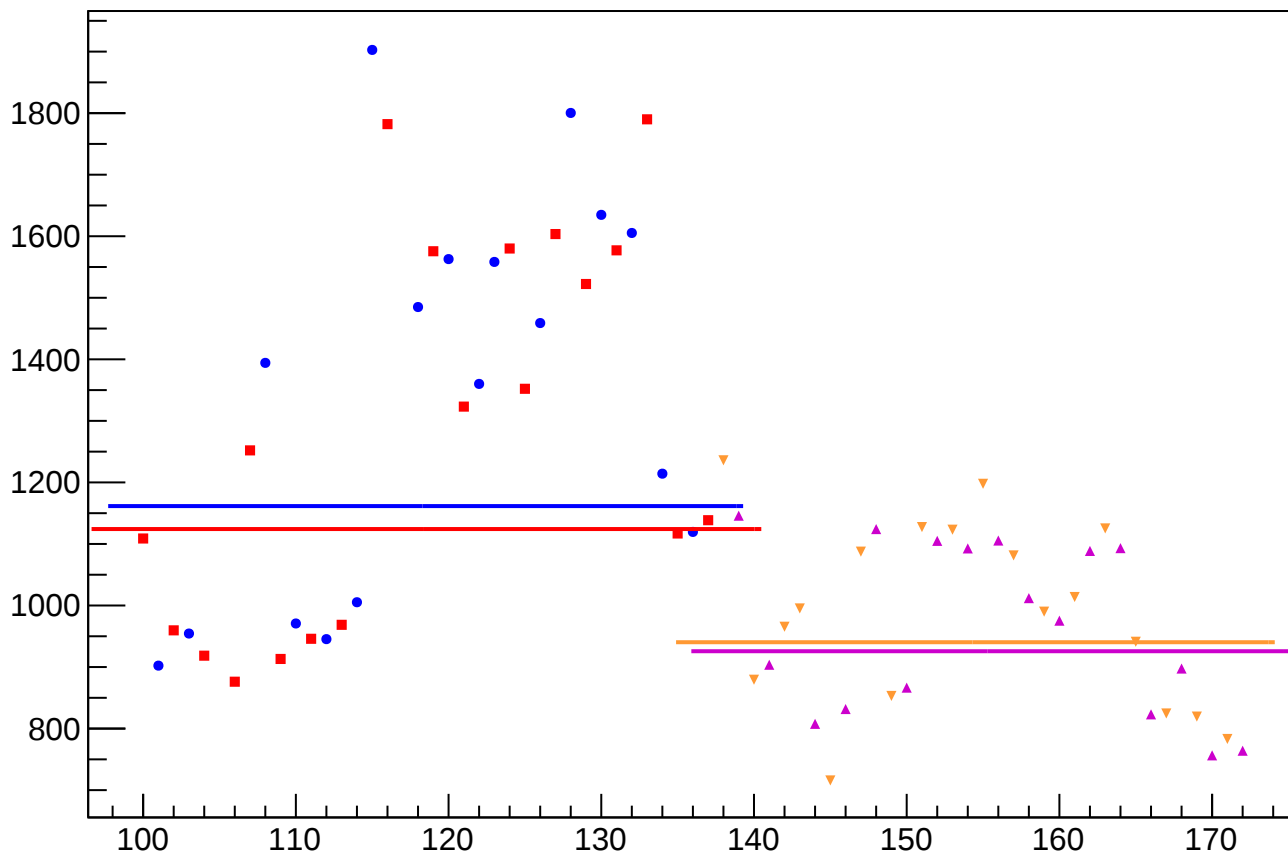
Right: 442.914 ± 317.632 $\chi^2/\text{NDF}: 40.0/35$

In: 61.020 ± 225.407 $\chi^2/\text{NDF}: 46.2/33$

Out: -592.940 ± 222.987 $\chi^2/\text{NDF}: 72.6/36$

All: -269.489 ± 158.524 $\chi^2/\text{NDF}: 123.1/70$

asym_sam_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 1161.530+/-0.329 χ^2/NDF : 695906.9/16

Left Out: 940.333+/-0.184 χ^2/NDF : 659329.0/17

Right Out: 1124.235+/-0.308 χ^2/NDF : 767790.0/18

Left In: 925.697+/-0.182 χ^2/NDF : 532058.0/16

Left: 932.960+/-0.129 χ^2/NDF : 1194587.5/34

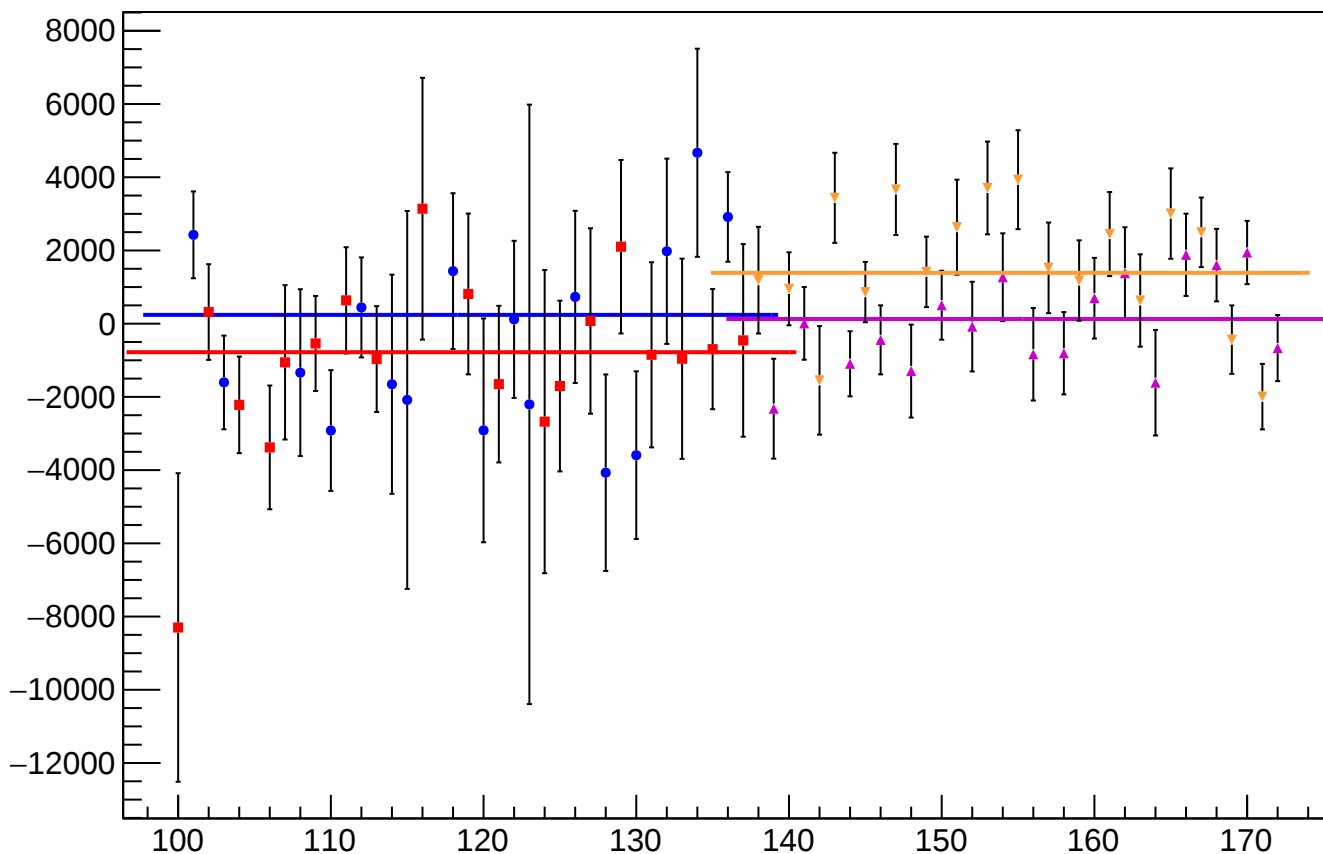
Right: 1141.655+/-0.225 χ^2/NDF : 1470560.5/35

In: 981.171+/-0.159 χ^2/NDF : 1621813.9/33

Out: 988.633+/-0.158 χ^2/NDF : 1690558.5/36

All: 984.942+/-0.112 χ^2/NDF : 3313479.9/70

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 240.732 $\pm$ 467.036 χ^2 /NDF: 24.8/16

Left Out: 1389.374 $\pm$ 261.929 χ^2 /NDF:40.9/17

Right Out: -779.192 $\pm$ 437.487 χ^2 /NDF: 12.3/18

Left In: 128.200 $\pm$ 260.076 χ^2 /NDF:21.7/16

Left: 754.311 $\pm$ 184.553 χ^2 /NDF: 74.2/34

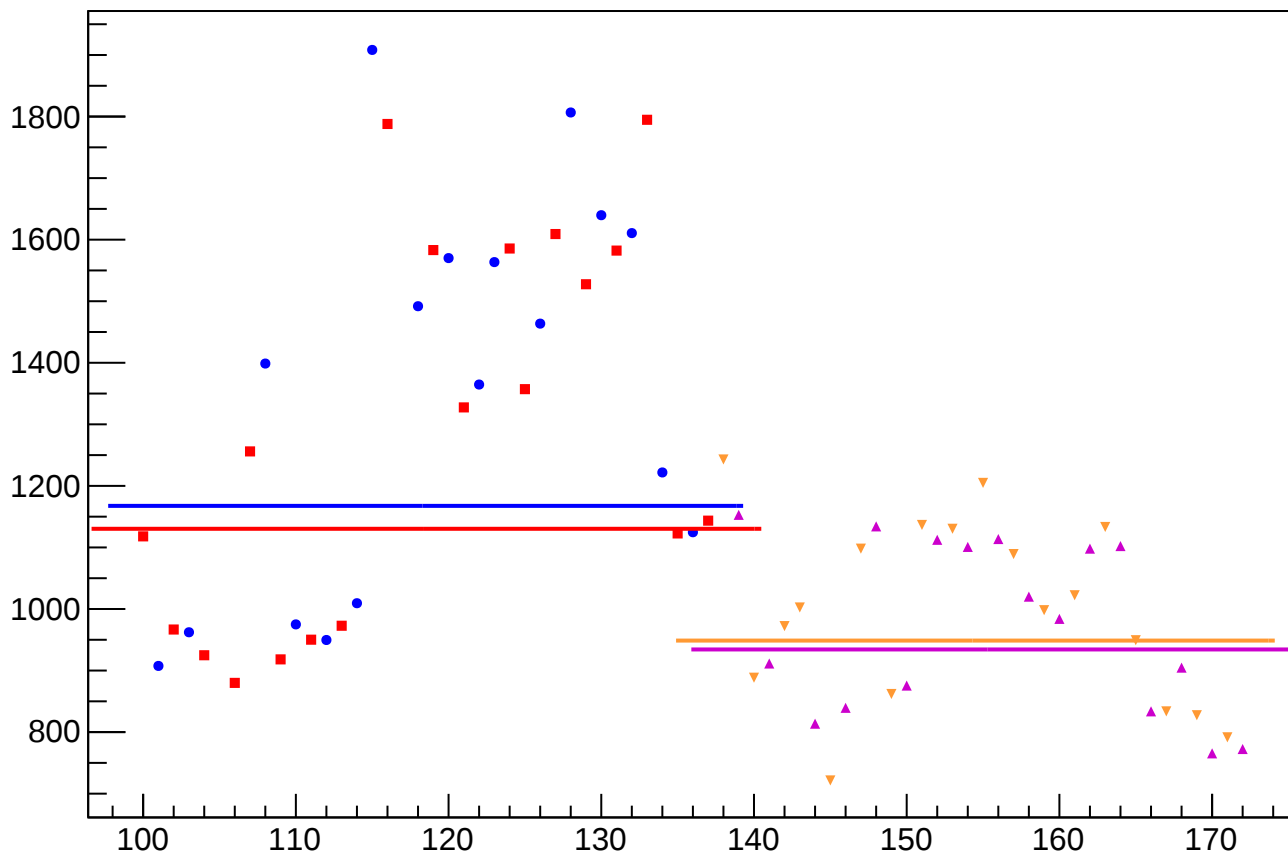
Right: -302.513 $\pm$ 319.286 χ^2 /NDF: 39.7/35

In: 154.836 $\pm$ 227.221 χ^2 /NDF:46.5/33

Out: 817.153 $\pm$ 224.730 χ^2 /NDF:71.3/36

All: 489.645 $\pm$ 159.782 χ^2 /NDF: 122.2/70

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1167.539 $\pm$ 0.330 χ^2 /NDF: 690485.6/16

Left Out: 948.696 $\pm$ 0.185 χ^2 /NDF: 650597.8/17

Right Out: 1130.301 $\pm$ 0.309 χ^2 /NDF: 761503.6/18

Left In: 934.259 $\pm$ 0.184 χ^2 /NDF: 523272.5/16

Left: 941.426 $\pm$ 0.130 χ^2 /NDF: 1176929.9/34

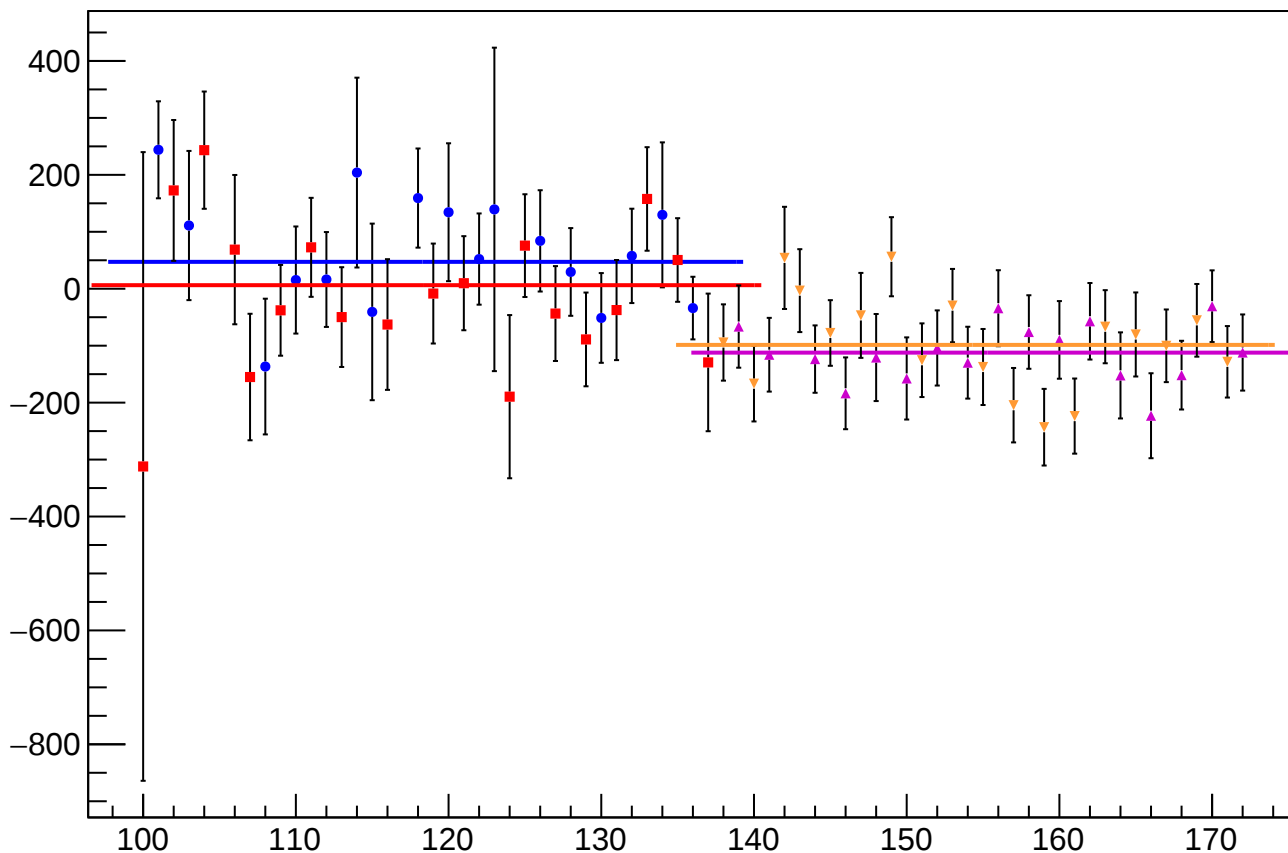
Right: 1147.705 $\pm$ 0.226 χ^2 /NDF: 1458761.3/35

In: 989.476 $\pm$ 0.161 χ^2 /NDF: 1594629.7/33

Out: 996.616 $\pm$ 0.159 χ^2 /NDF: 1665793.9/36

All: 993.086 $\pm$ 0.113 χ^2 /NDF: 3261422.0/70

reg_asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 47.220 ± 22.565 $\chi^2/\text{NDF}: 16.1/16$

Left Out: -98.615 ± 15.789 $\chi^2/\text{NDF}: 24.7/17$

Right Out: 6.246 ± 22.128 $\chi^2/\text{NDF}: 20.3/18$

Left In: -112.210 ± 16.184 $\chi^2/\text{NDF}: 9.3/16$

Left: -105.244 ± 11.302 $\chi^2/\text{NDF}: 34.4/34$

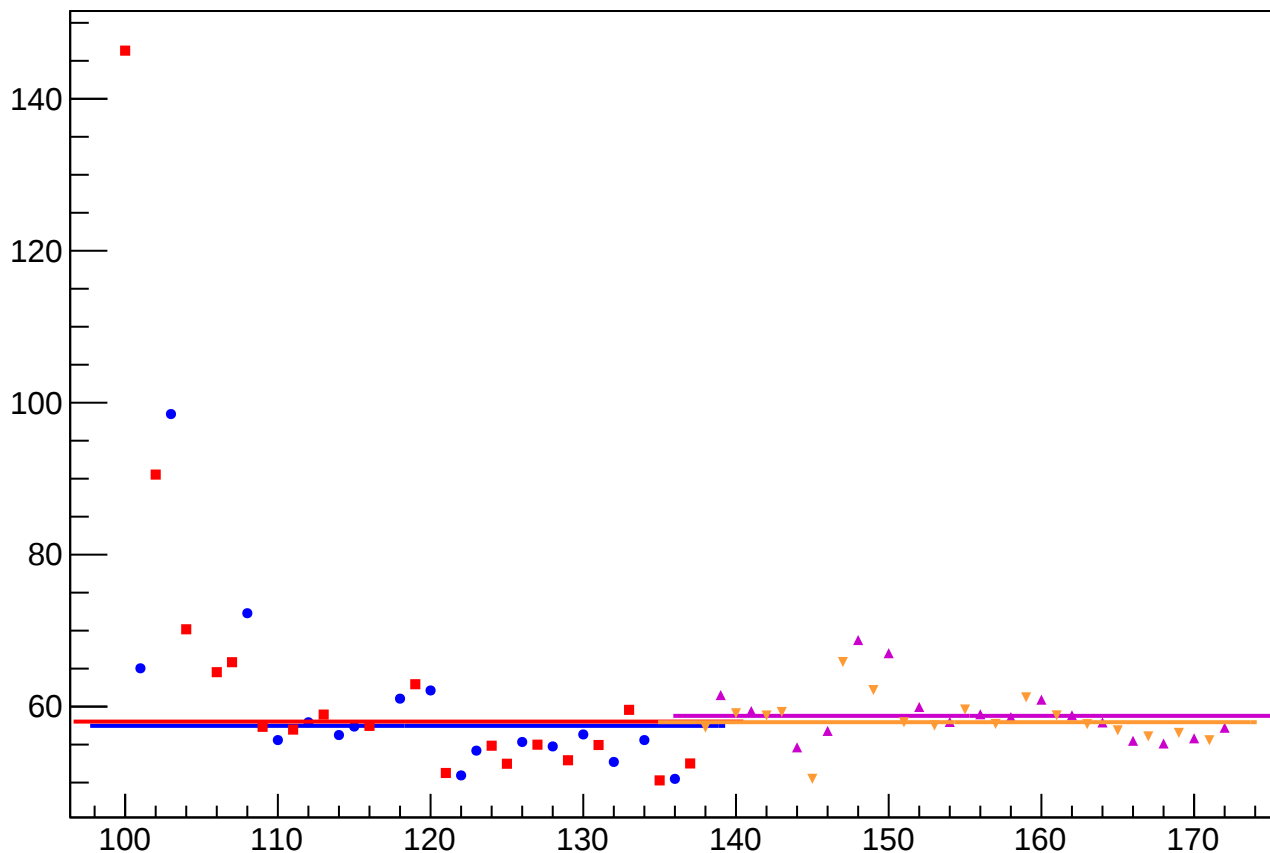
Right: 26.333 ± 15.799 $\chi^2/\text{NDF}: 38.1/35$

In: -58.055 ± 13.151 $\chi^2/\text{NDF}: 58.3/33$

Out: -63.237 ± 12.853 $\chi^2/\text{NDF}: 59.9/36$

All: -60.706 ± 9.192 $\chi^2/\text{NDF}: 118.3/70$

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 57.465+/-0.016 χ^2/NDF : 307156.4/16

Left Out: 57.947+/-0.011 χ^2/NDF : 77591.8/17

Right Out: 58.027+/-0.016 χ^2/NDF : 300788.2/18

Left In: 58.783+/-0.011 χ^2/NDF : 94920.7/16

Left: 58.355+/-0.008 χ^2/NDF : 175243.1/34

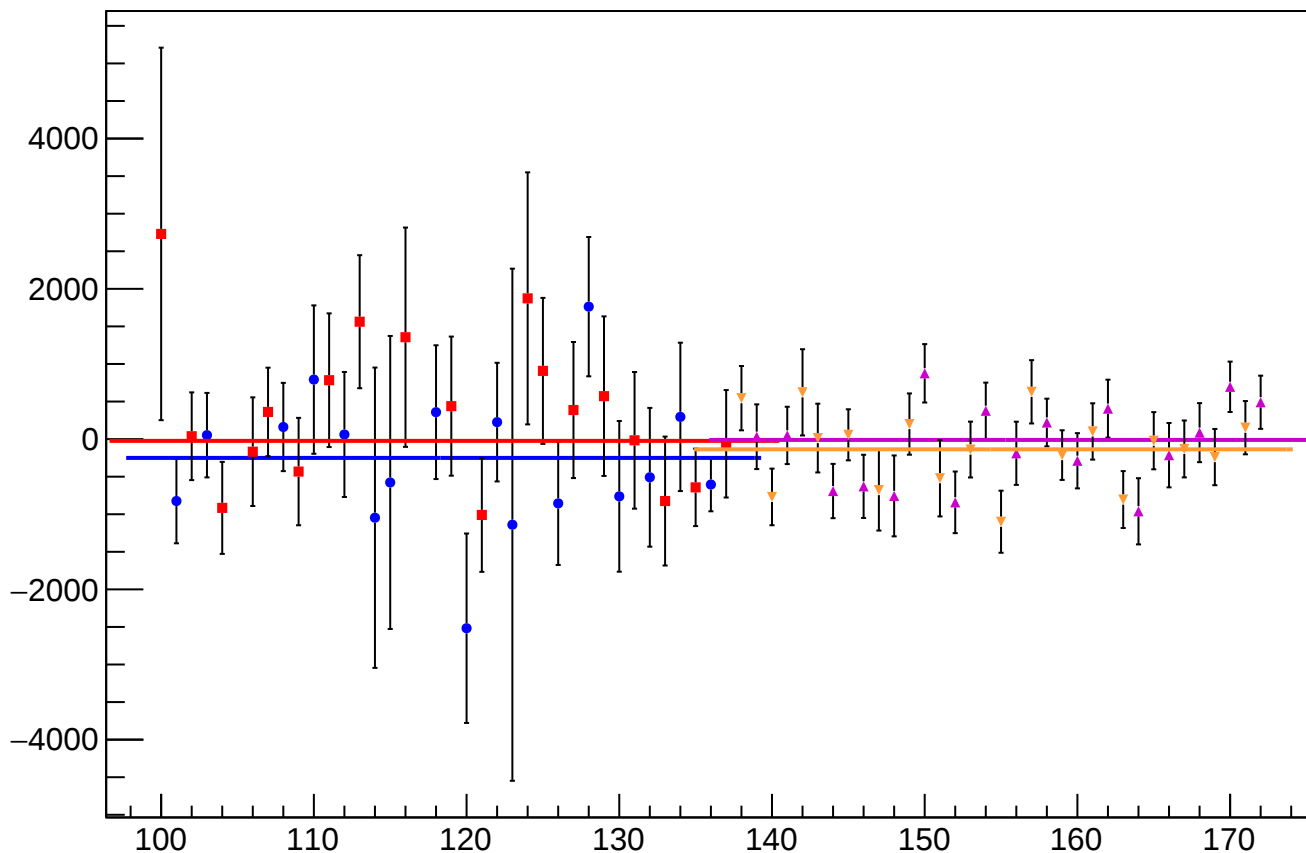
Right: 57.752+/-0.011 χ^2/NDF : 608576.3/35

In: 58.335+/-0.009 χ^2/NDF : 406578.3/33

Out: 57.974+/-0.009 χ^2/NDF : 378397.2/36

All: 58.151+/-0.006 χ^2/NDF : 785746.6/70

asym_sam_13_57_dd_correction_mean vs Slug, Sign Corrected



Right In: -250.140+/-184.092 χ^2/NDF : 14.3/16

Left Out: -136.298+/-93.956 χ^2/NDF : 23.0/17

Right Out: -23.314+/-181.834 χ^2/NDF : 16.1/18

Left In: -10.871+/-94.341 χ^2/NDF : 31.9/16

Left: -73.841+/-66.573 χ^2/NDF : 55.7/34

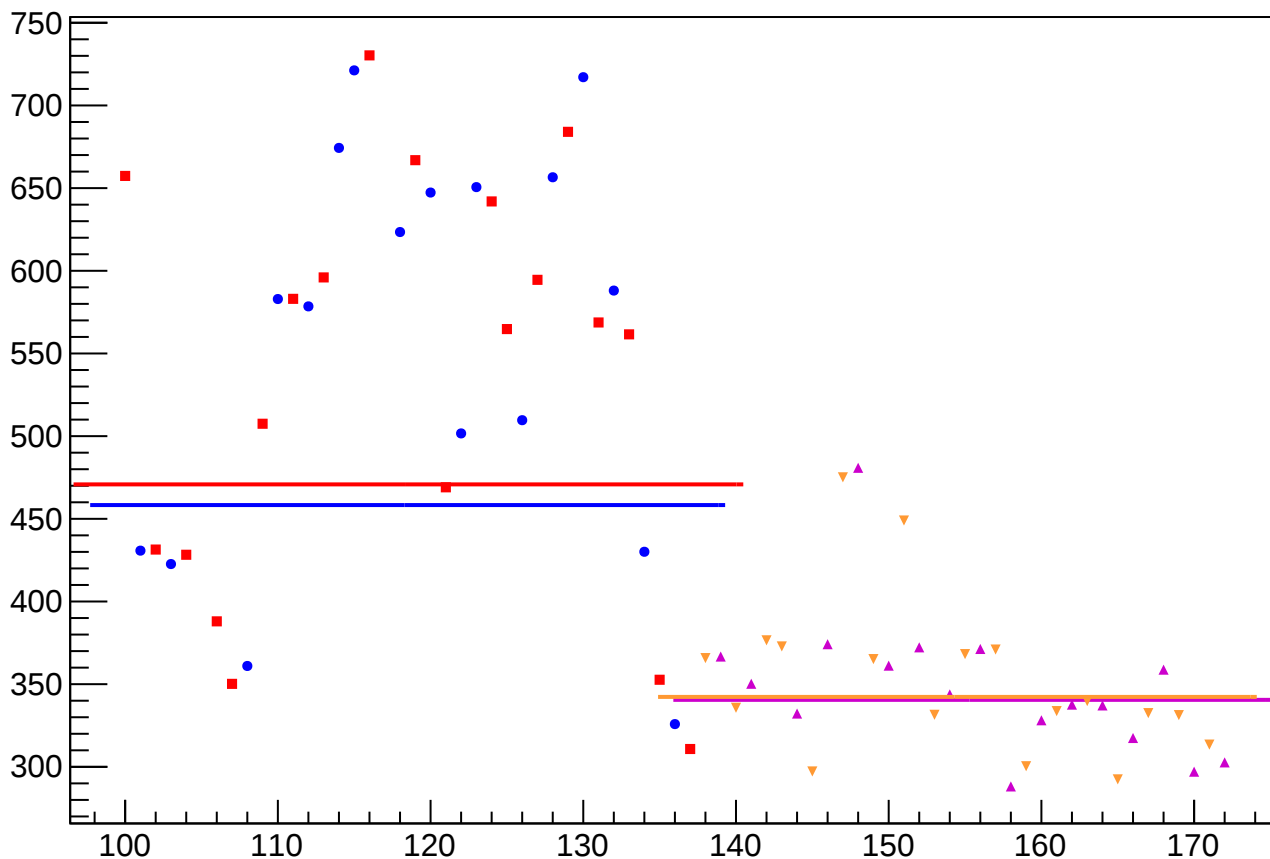
Right: -135.327+/-129.367 χ^2/NDF : 31.1/35

In: -60.639+/-83.958 χ^2/NDF : 47.5/33

Out: -112.489+/-83.471 χ^2/NDF : 39.3/36

All: -86.715+/-59.195 χ^2/NDF : 87.0/70

asym_sam_13_57_dd_correction_rms vs Slug, Sign Corrected



Right In: 458.324 $\pm$ 0.130 χ^2 /NDF: 877201.7/16

Left Out: 342.303 $\pm$ 0.066 χ^2 /NDF: 376393.6/17

Right Out: 470.827 $\pm$ 0.129 χ^2 /NDF: 778635.2/18

Left In: 340.519 $\pm$ 0.067 χ^2 /NDF: 310339.6/16

Left: 341.414 $\pm$ 0.047 χ^2 /NDF: 687092.2/34

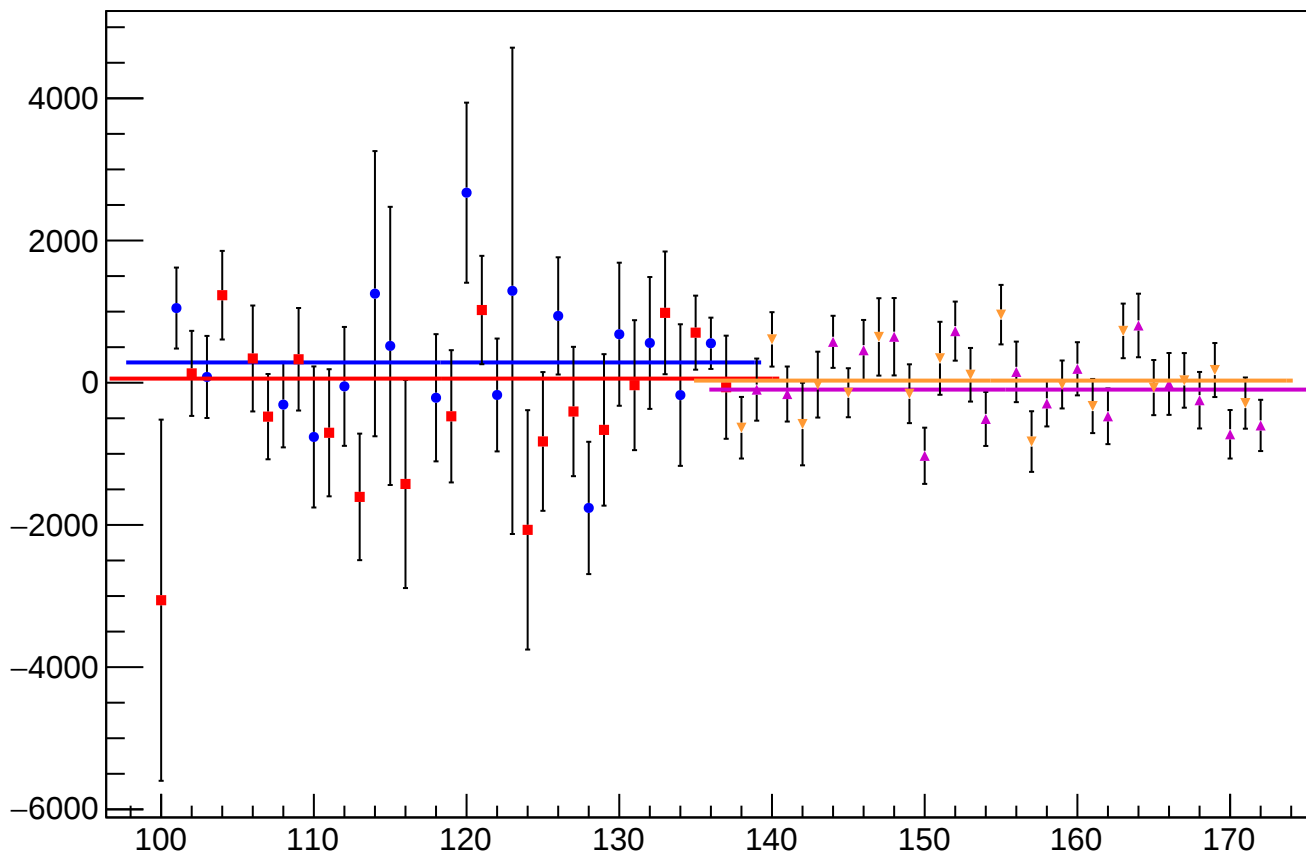
Right: 464.653 $\pm$ 0.091 χ^2 /NDF: 1660506.8/35

In: 365.022 $\pm$ 0.059 χ^2 /NDF: 1836203.5/33

Out: 369.386 $\pm$ 0.059 χ^2 /NDF: 1943668.0/36

All: 367.217 $\pm$ 0.042 χ^2 /NDF: 3782589.6/70

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 285.349 $\pm$ 186.262 χ^2/NDF : 15.2/16

Left Out: 30.069 $\pm$ 95.344 χ^2/NDF :22.1/17

Right Out: 58.001 $\pm$ 184.074 χ^2/NDF : 19.2/18

Left In: -96.617 $\pm$ 95.781 χ^2/NDF :29.4/16

Left: -32.984 $\pm$ 67.572 χ^2/NDF : 52.4/34

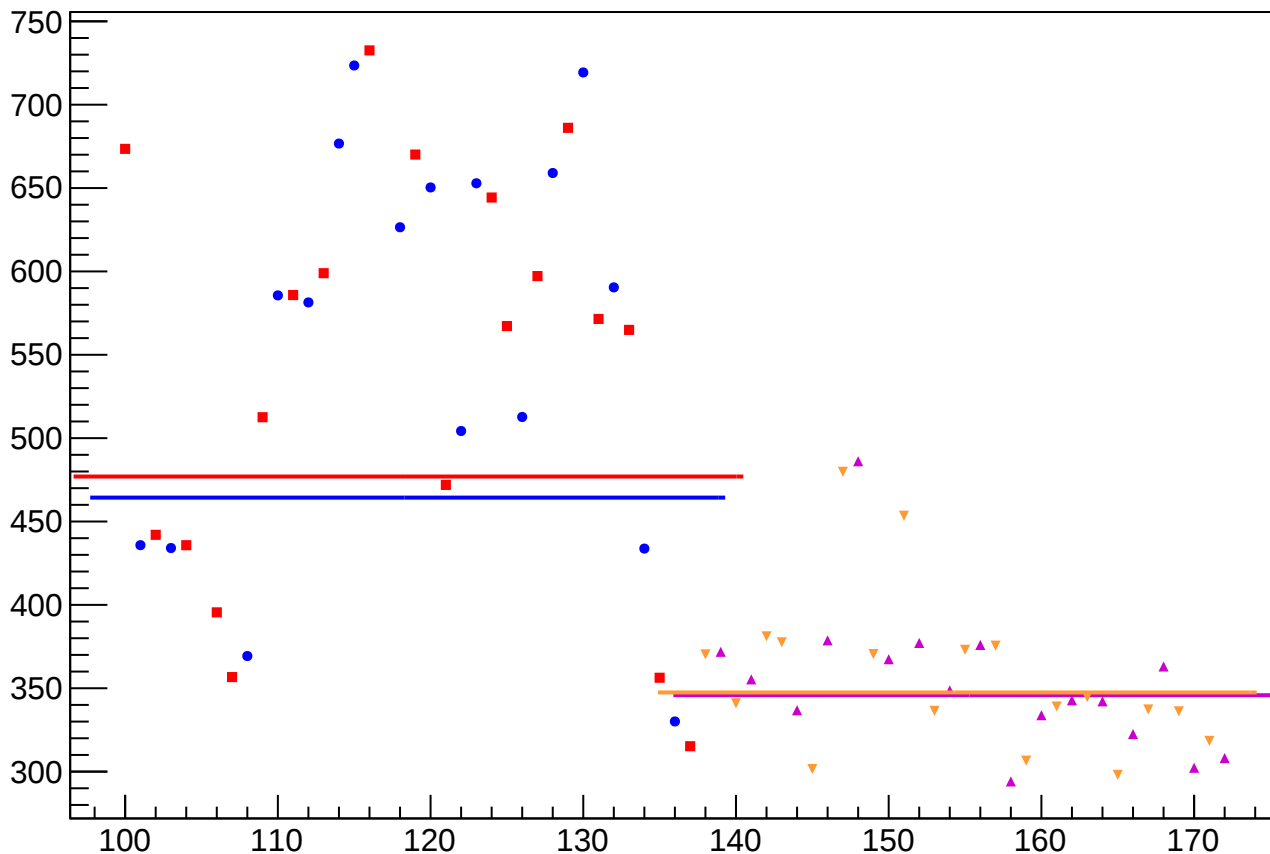
Right: 170.332 $\pm$ 130.927 χ^2/NDF : 35.1/35

In: -16.736 $\pm$ 85.179 χ^2/NDF :47.9/33

Out: 35.977 $\pm$ 84.661 χ^2/NDF :41.3/36

All: 9.781 $\pm$ 60.047 χ^2/NDF : 89.4/70

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 464.341 $\pm$ 0.132 χ^2 /NDF: 845900.9/16

Left Out: 347.481 $\pm$ 0.067 χ^2 /NDF: 363522.9/17

Right Out: 476.989 $\pm$ 0.130 χ^2 /NDF: 749331.1/18

Left In: 345.827 $\pm$ 0.068 χ^2 /NDF: 299134.8/16

Left: 346.658 $\pm$ 0.048 χ^2 /NDF: 662957.1/34

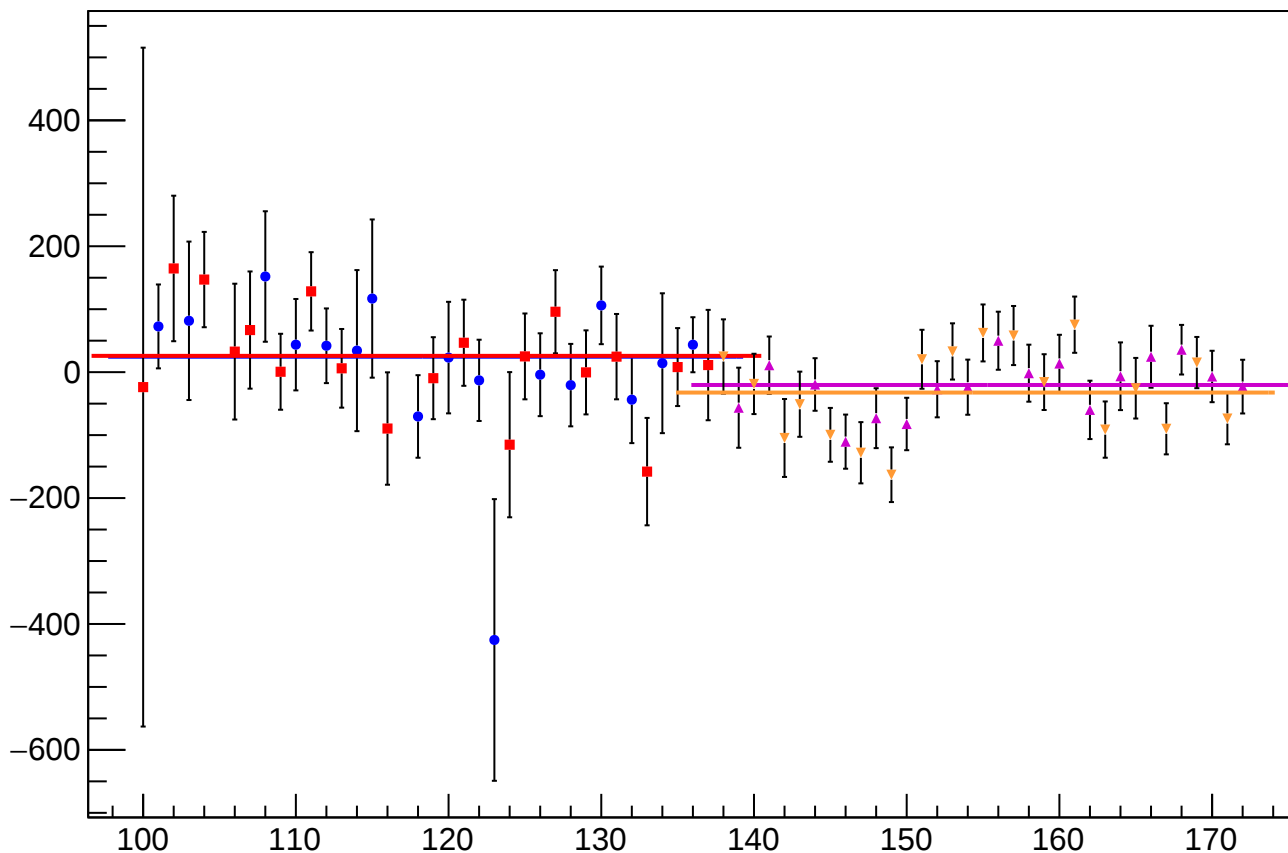
Right: 470.740 $\pm$ 0.093 χ^2 /NDF: 1599897.5/35

In: 370.612 $\pm$ 0.060 χ^2 /NDF: 1785397.3/33

Out: 374.876 $\pm$ 0.060 χ^2 /NDF: 1893444.1/36

All: 372.757 $\pm$ 0.042 χ^2 /NDF: 3681363.3/70

reg_asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: 24.584 ± 17.839 $\chi^2/\text{NDF}: 13.0/16$

Left Out: -32.418 ± 10.842 $\chi^2/\text{NDF}: 41.5/17$

Right Out: 25.884 ± 17.386 $\chi^2/\text{NDF}: 16.8/18$

Left In: -20.377 ± 10.949 $\chi^2/\text{NDF}: 15.5/16$

Left: -26.457 ± 7.704 $\chi^2/\text{NDF}: 57.6/34$

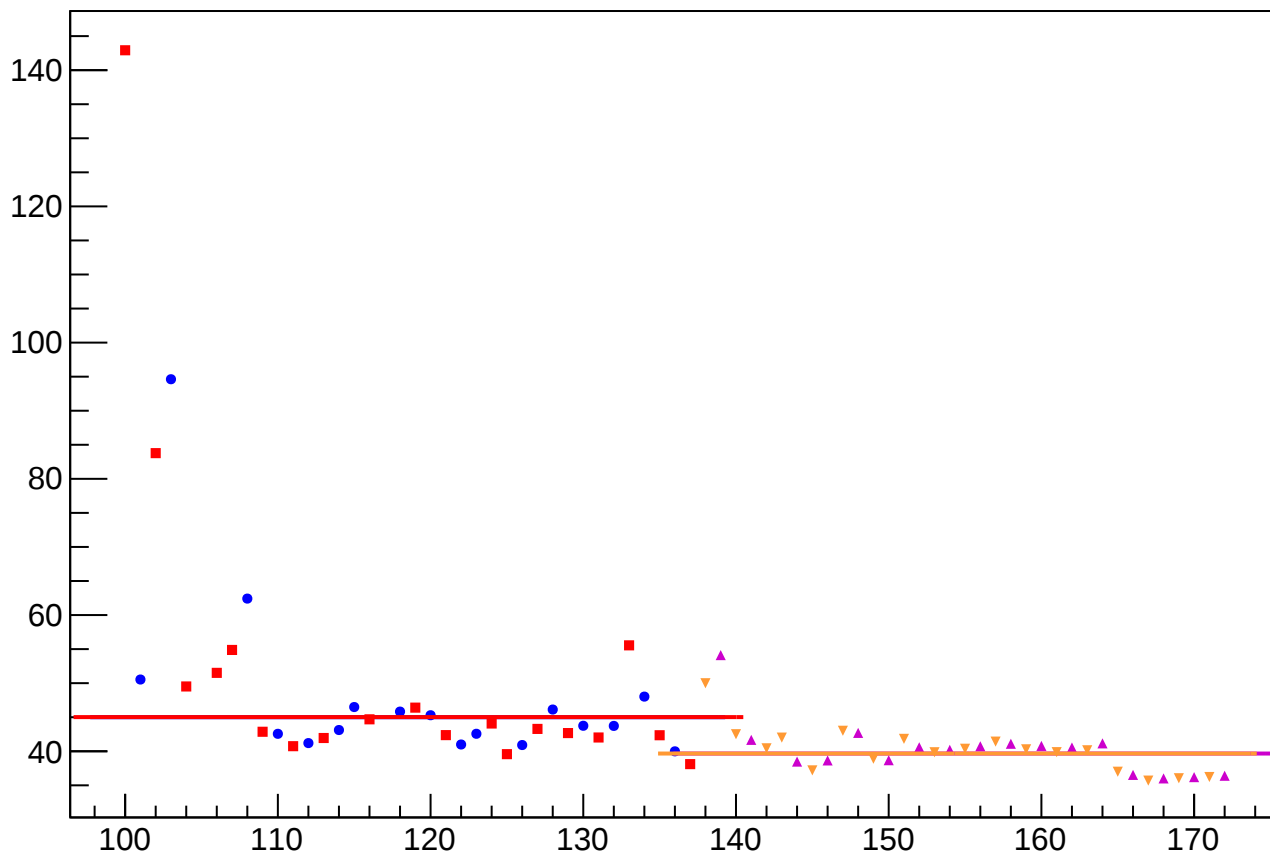
Right: 25.251 ± 12.451 $\chi^2/\text{NDF}: 29.8/35$

In: -8.074 ± 9.331 $\chi^2/\text{NDF}: 33.1/33$

Out: -16.094 ± 9.200 $\chi^2/\text{NDF}: 66.4/36$

All: -12.141 ± 6.551 $\chi^2/\text{NDF}: 99.9/70$

reg_asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 45.001+/-0.013 χ^2/NDF : 438352.8/16

Left Out: 39.668+/-0.008 χ^2/NDF :152926.1/17

Right Out: 45.017+/-0.012 χ^2/NDF : 415509.0/18

Left In: 39.667+/-0.008 χ^2/NDF :178135.8/16

Left: 39.667+/-0.005 χ^2/NDF : 331062.0/34

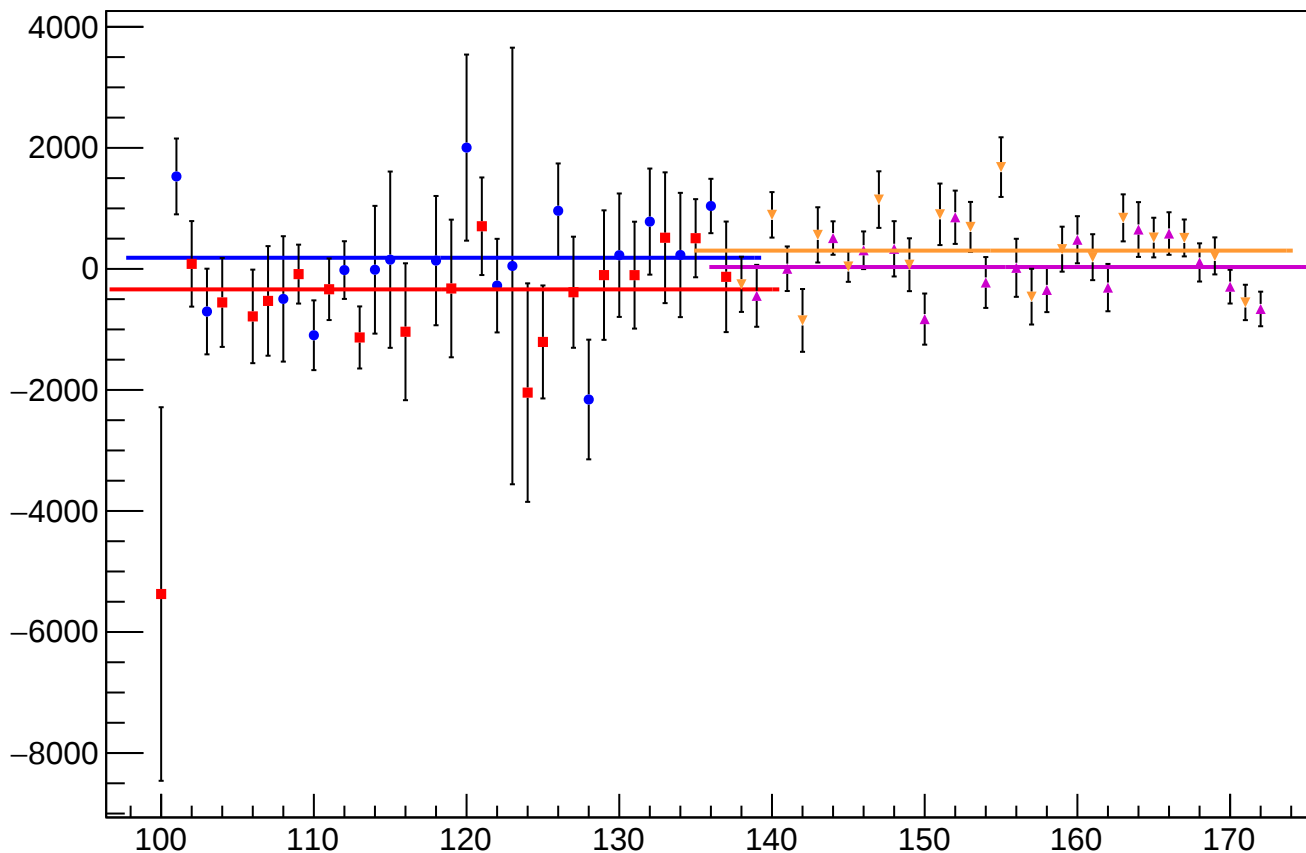
Right: 45.009+/-0.009 χ^2/NDF : 853862.6/35

In: 41.127+/-0.007 χ^2/NDF :746380.2/33

Out: 41.165+/-0.007 χ^2/NDF :704768.9/36

All: 41.146+/-0.005 χ^2/NDF : 1451166.5/70

asym_sam_15_37_dd_correction_mean vs Slug, Sign Corrected



Right In: 184.184 $\pm$ 188.558 χ^2 /NDF: 24.2/16

Left Out: 302.422 $\pm$ 88.504 χ^2 /NDF:38.3/17

Right Out: -338.329 $\pm$ 179.381 χ^2 /NDF: 12.5/18

Left In: 31.195 $\pm$ 88.093 χ^2 /NDF:27.9/16

Left: 166.178 $\pm$ 62.436 χ^2 /NDF: 70.9/34

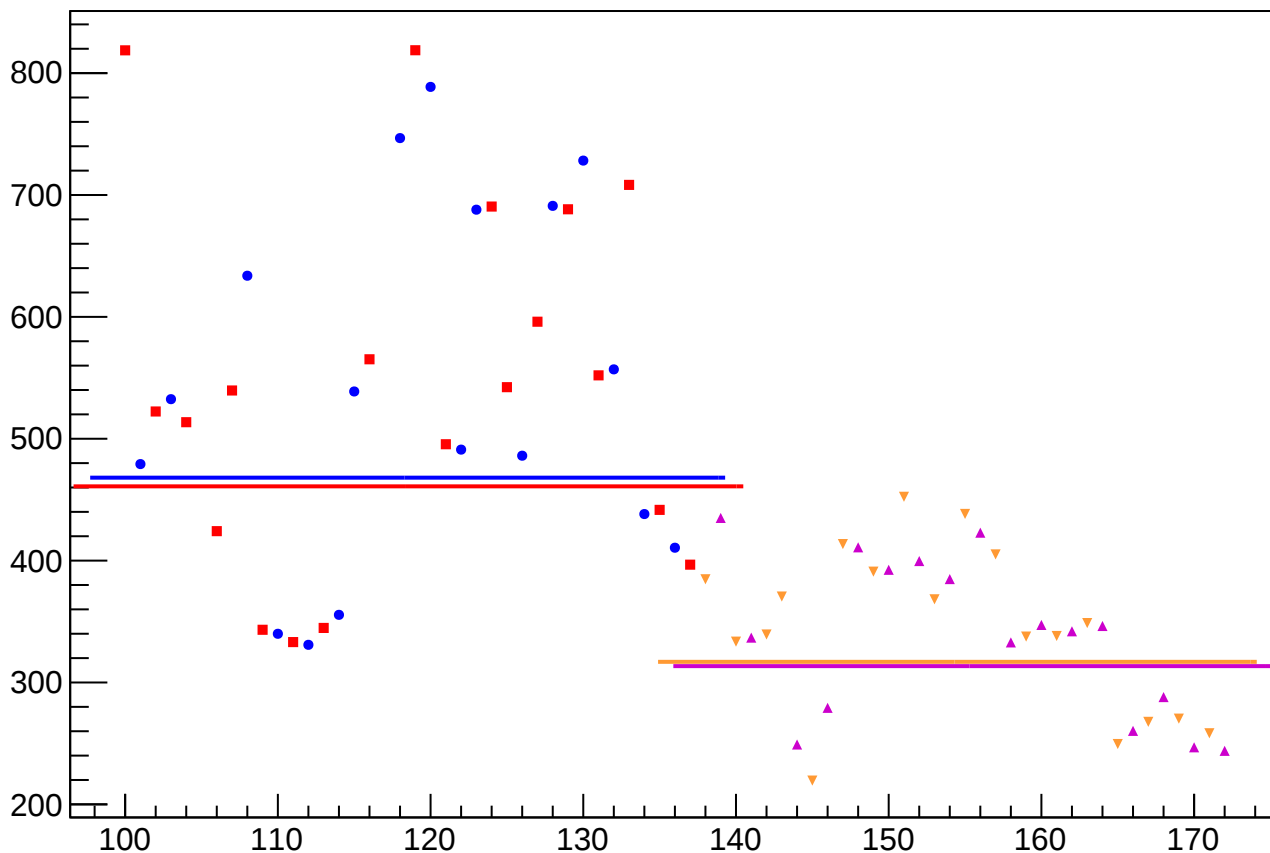
Right: -90.096 $\pm$ 129.965 χ^2 /NDF: 40.7/35

In: 58.605 $\pm$ 79.813 χ^2 /NDF:52.7/33

Out: 176.980 $\pm$ 79.369 χ^2 /NDF:61.0/36

All: 118.123 $\pm$ 56.279 χ^2 /NDF: 114.8/70

asym_sam_15_37_dd_correction_rms vs Slug, Sign Corrected



Right In: 468.071+/-0.133 χ^2/NDF : 880319.3/16

Left Out: 316.952+/-0.063 χ^2/NDF : 1175547.7/17

Right Out: 460.939+/-0.127 χ^2/NDF : 955028.5/18

Left In: 313.425+/-0.062 χ^2/NDF : 986373.1/16

Left: 315.180+/-0.044 χ^2/NDF : 2163516.3/34

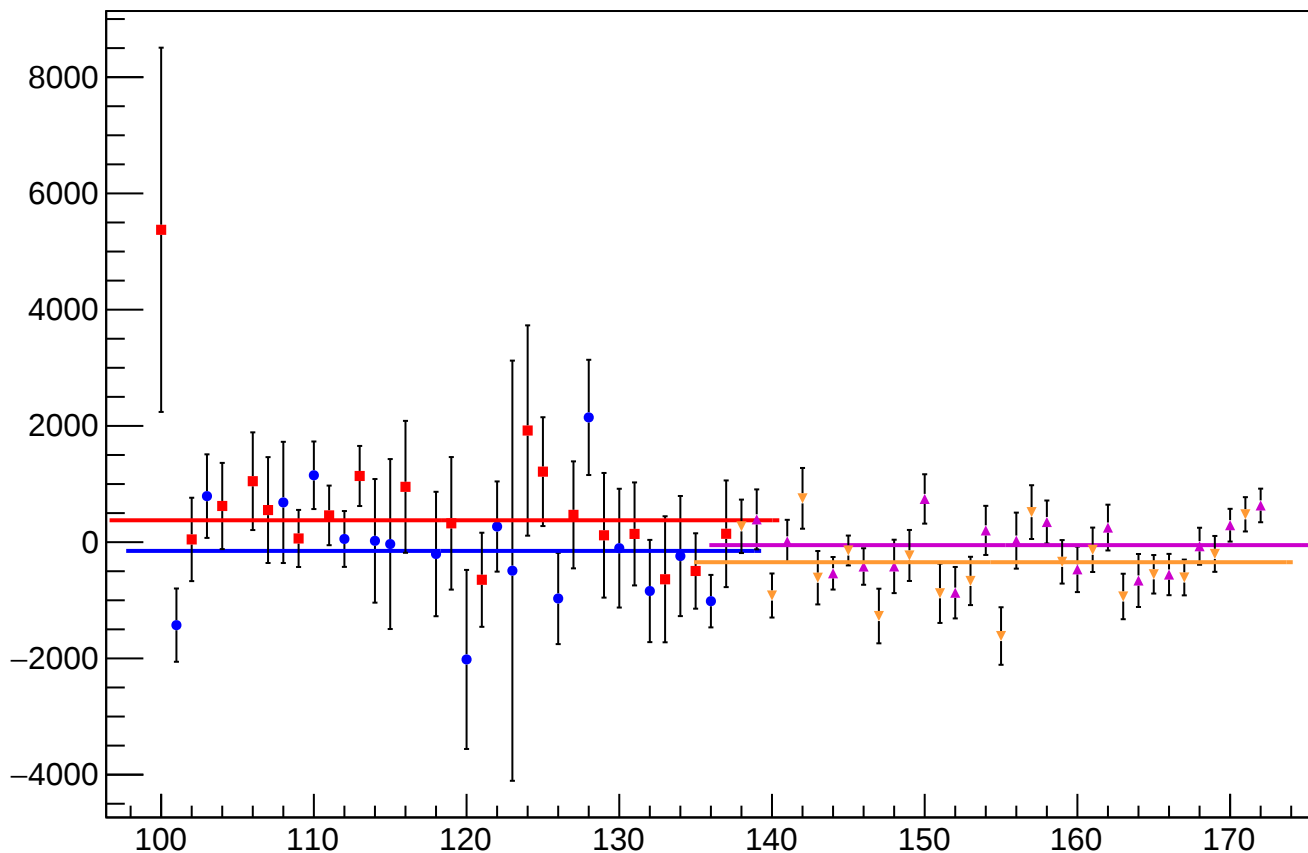
Right: 464.328+/-0.092 χ^2/NDF : 1836849.7/35

In: 341.132+/-0.056 χ^2/NDF : 2970968.7/33

Out: 345.140+/-0.056 χ^2/NDF : 3166924.3/36

All: 343.147+/-0.040 χ^2/NDF : 6140429.5/70

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -150.305 ± 189.729 χ^2/NDF : 24.2/16

Left Out: -344.548 ± 89.252 χ^2/NDF : 36.9/17

Right Out: 376.554 ± 181.258 χ^2/NDF : 12.4/18

Left In: -50.946 ± 88.850 χ^2/NDF : 26.8/16

Left: -197.084 ± 62.968 χ^2/NDF : 69.1/34

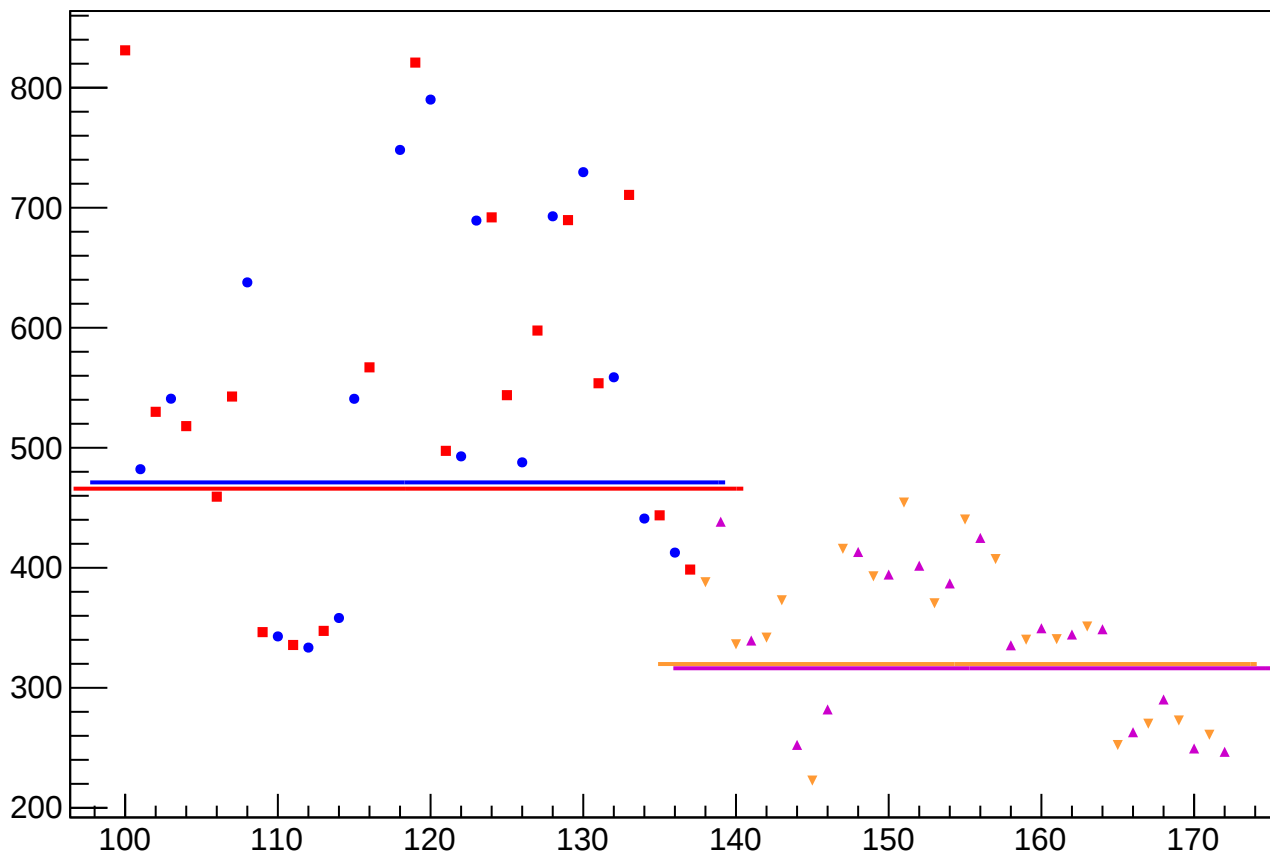
Right: 125.150 ± 131.061 χ^2/NDF : 40.7/35

In: -68.816 ± 80.464 χ^2/NDF : 51.3/33

Out: -203.828 ± 80.071 χ^2/NDF : 62.0/36

All: -136.652 ± 56.757 χ^2/NDF : 114.7/70

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 471.156+/-0.134 χ^2/NDF : 871832.5/16

Left Out: 319.825+/-0.063 χ^2/NDF : 1147017.8/17

Right Out: 465.935+/-0.128 χ^2/NDF : 940521.6/18

Left In: 316.286+/-0.063 χ^2/NDF : 963618.4/16

Left: 318.047+/-0.045 χ^2/NDF : 2112215.2/34

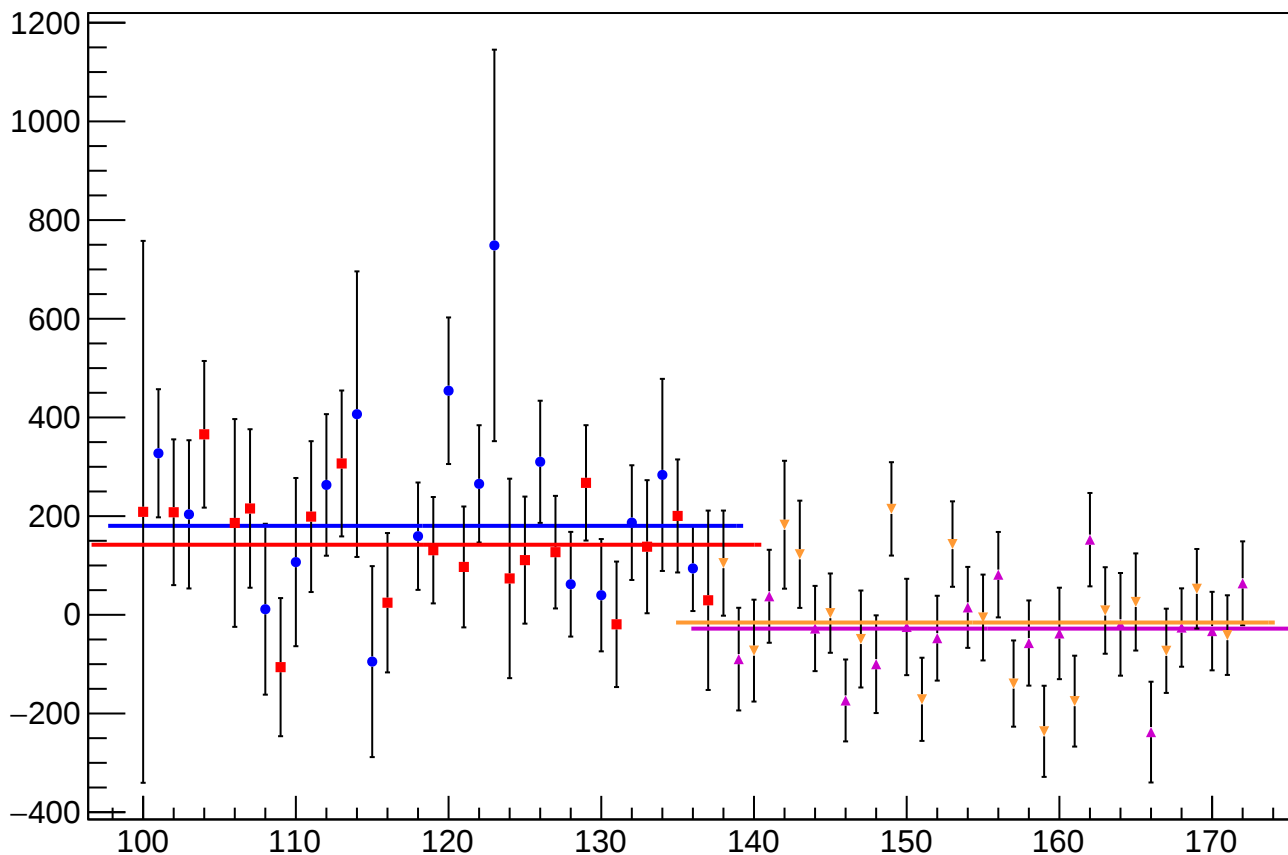
Right: 468.427+/-0.093 χ^2/NDF : 1813145.9/35

In: 344.141+/-0.057 χ^2/NDF : 2928361.2/33

Out: 348.338+/-0.057 χ^2/NDF : 3133507.1/36

All: 346.250+/-0.040 χ^2/NDF : 6064601.6/70

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 180.326 $\pm$ 32.769 χ^2 /NDF: 16.6/16

Left Out: -15.621 $\pm$ 21.585 χ^2 /NDF:30.7/17

Right Out: 142.040 $\pm$ 32.338 χ^2 /NDF: 11.7/18

Left In: -27.988 $\pm$ 21.751 χ^2 /NDF:15.5/16

Left: -21.757 $\pm$ 15.321 χ^2 /NDF: 46.3/34

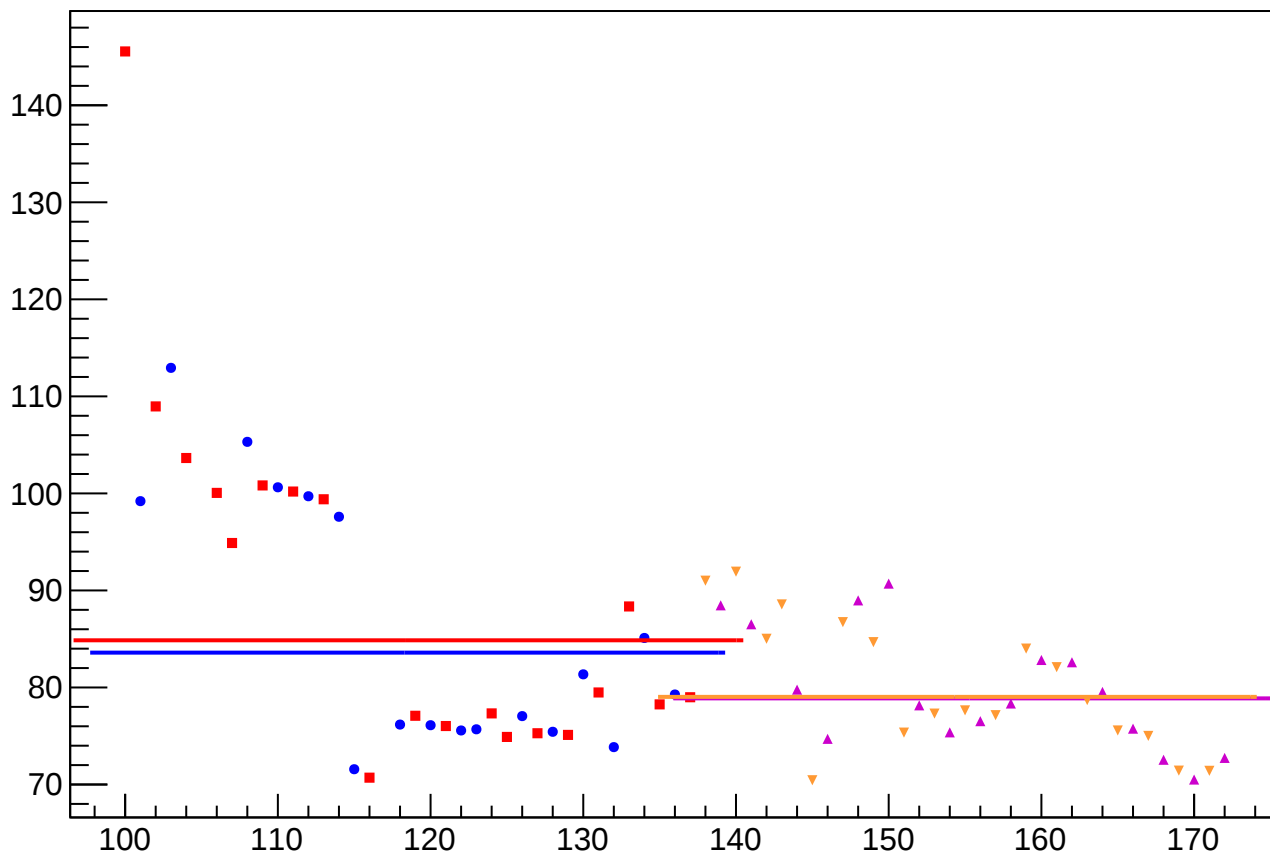
Right: 160.930 $\pm$ 23.017 χ^2 /NDF: 28.9/35

In: 35.723 $\pm$ 18.122 χ^2 /NDF:60.1/33

Out: 32.973 $\pm$ 17.953 χ^2 /NDF:58.8/36

All: 34.335 $\pm$ 12.754 χ^2 /NDF: 118.9/70

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 83.591 $\pm$ 0.023 χ^2 /NDF: 255921.7/16

Left Out: 79.032 $\pm$ 0.015 χ^2 /NDF:175003.1/17

Right Out: 84.861 $\pm$ 0.023 χ^2 /NDF: 290606.5/18

Left In: 78.875 $\pm$ 0.015 χ^2 /NDF:144756.7/16

Left: 78.954 $\pm$ 0.011 χ^2 /NDF: 319812.0/34

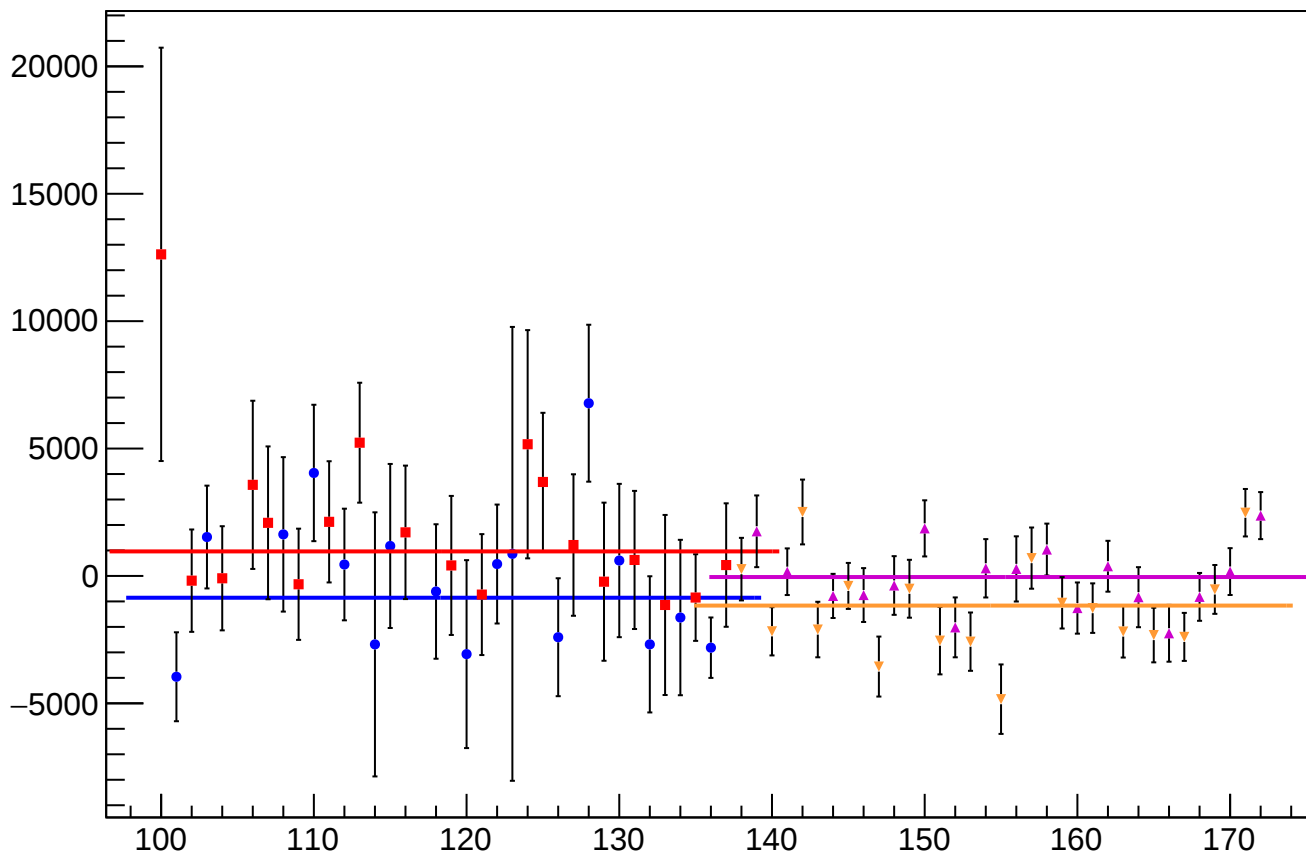
Right: 84.234 $\pm$ 0.016 χ^2 /NDF: 548050.9/35

In: 80.318 $\pm$ 0.013 χ^2 /NDF:429424.1/33

Out: 80.829 $\pm$ 0.013 χ^2 /NDF:510565.4/36

All: 80.575 $\pm$ 0.009 χ^2 /NDF: 940792.0/70

asym_sam_24_68_dd_correction_mean vs Slug, Sign Corrected



Right In: -855.308+/-583.290 χ^2/NDF : 20.3/16

Left Out: -1163.256+/-251.842 χ^2/NDF :48.7/17

Right Out: 962.932+/-589.071 χ^2/NDF : 11.5/18

Left In: -42.966+/-253.376 χ^2/NDF :23.6/16

Left: -606.512+/-178.619 χ^2/NDF : 82.2/34

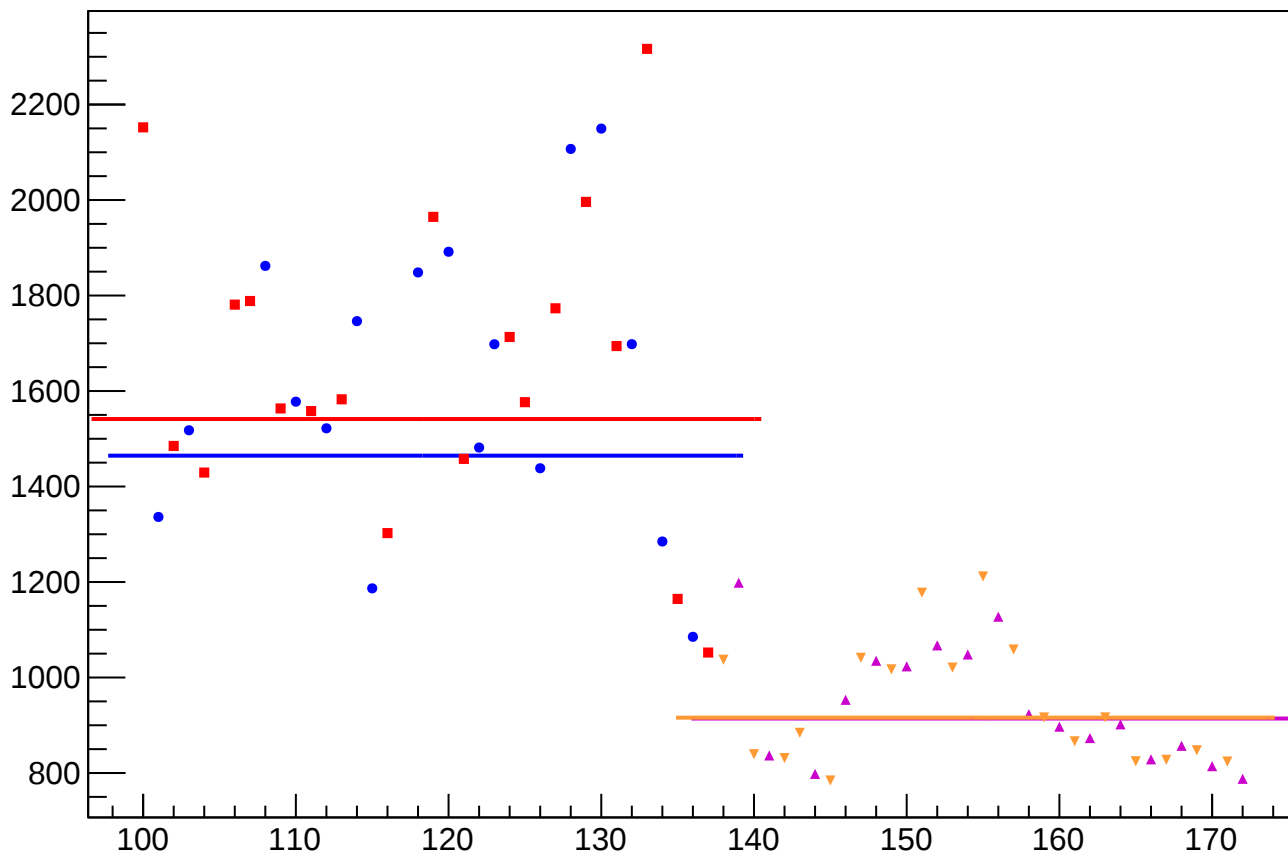
Right: 44.847+/-414.477 χ^2/NDF : 36.6/35

In: -171.918+/-232.397 χ^2/NDF :45.5/33

Out: -834.692+/-231.567 χ^2/NDF :71.2/36

All: -504.490+/-164.035 χ^2/NDF : 120.9/70

asym_sam_24_68_dd_correction_rms vs Slug, Sign Corrected



Right In: 1464.636 $\pm$ 0.412 χ^2 /NDF: 560863.4/16

Left Out: 915.953 $\pm$ 0.178 χ^2 /NDF: 408409.9/17

Right Out: 1541.388 $\pm$ 0.417 χ^2 /NDF: 453710.5/18

Left In: 914.076 $\pm$ 0.179 χ^2 /NDF: 377681.0/16

Left: 915.020 $\pm$ 0.126 χ^2 /NDF: 786146.1/34

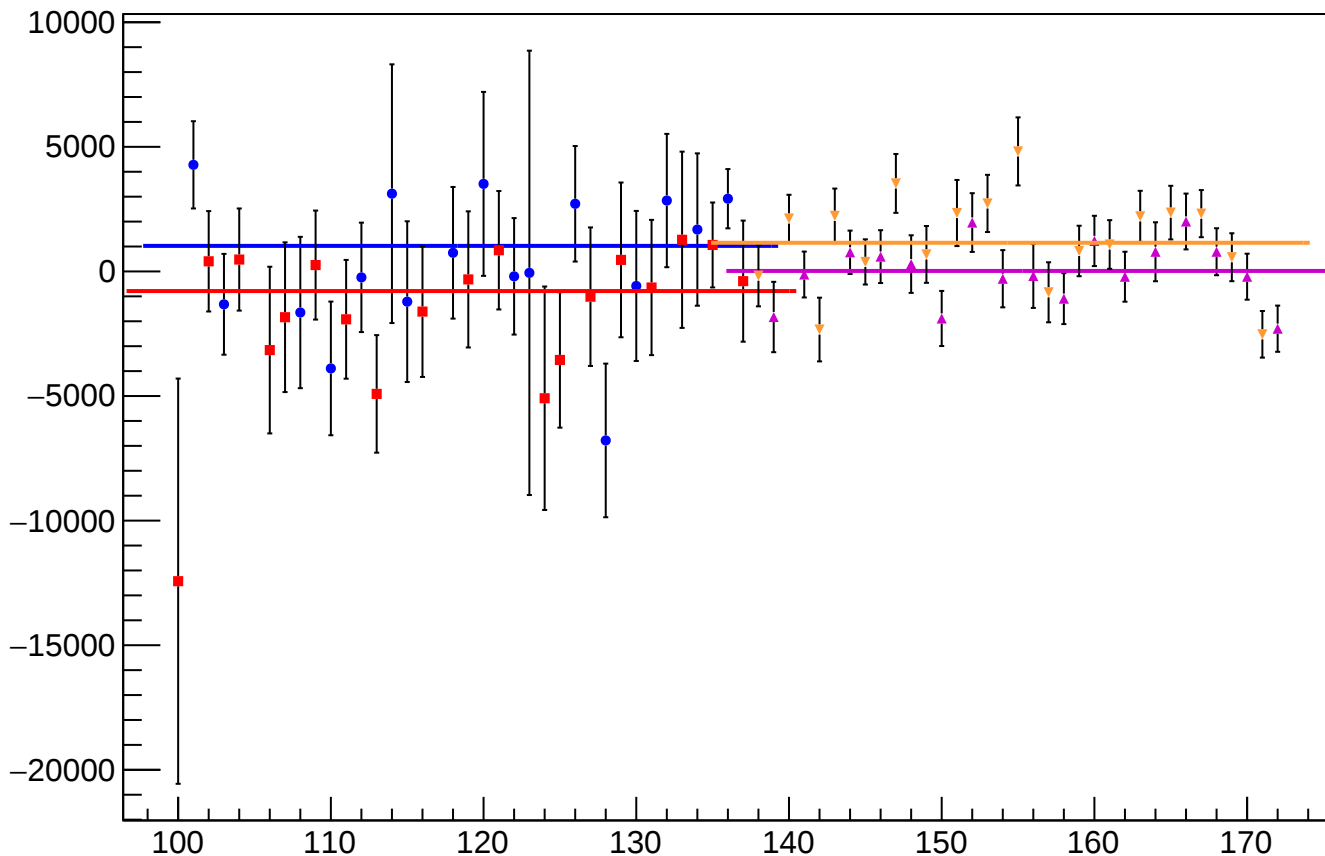
Right: 1502.634 $\pm$ 0.293 χ^2 /NDF: 1031717.7/35

In: 1001.473 $\pm$ 0.164 χ^2 /NDF: 2437536.6/33

Out: 1012.603 $\pm$ 0.164 χ^2 /NDF: 2768267.4/36

All: 1007.058 $\pm$ 0.116 χ^2 /NDF: 5208106.0/70

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1025.527 $\pm$ 584.500 χ^2/NDF : 20.9/16

Left Out: 1150.180 $\pm$ 252.853 χ^2/NDF : 47.9/17

Right Out: -787.007 $\pm$ 590.388 χ^2/NDF : 11.2/18

Left In: 20.065 $\pm$ 254.379 χ^2/NDF : 21.8/16

Left: 588.522 $\pm$ 179.331 χ^2/NDF : 79.7/34

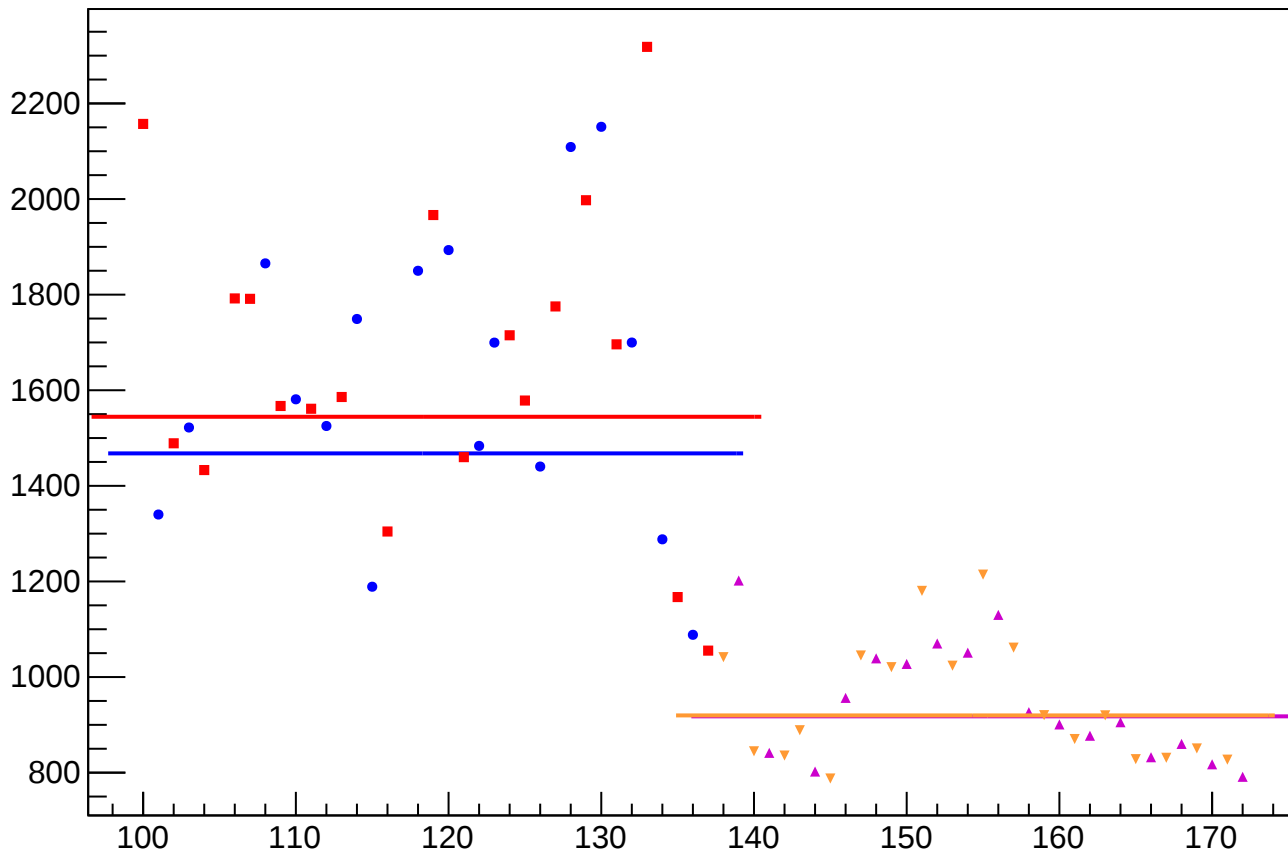
Right: 128.343 $\pm$ 415.370 χ^2/NDF : 36.9/35

In: 180.179 $\pm$ 233.247 χ^2/NDF : 45.2/33

Out: 849.924 $\pm$ 232.433 χ^2/NDF : 68.2/36

All: 516.222 $\pm$ 164.642 χ^2/NDF : 117.6/70

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1467.905+/-0.413 χ^2/NDF : 557458.9/16

Left Out: 919.744+/-0.179 χ^2/NDF : 404056.2/17

Right Out: 1544.513+/-0.417 χ^2/NDF : 451805.9/18

Left In: 917.789+/-0.180 χ^2/NDF : 373712.9/16

Left: 918.772+/-0.127 χ^2/NDF : 777828.5/34

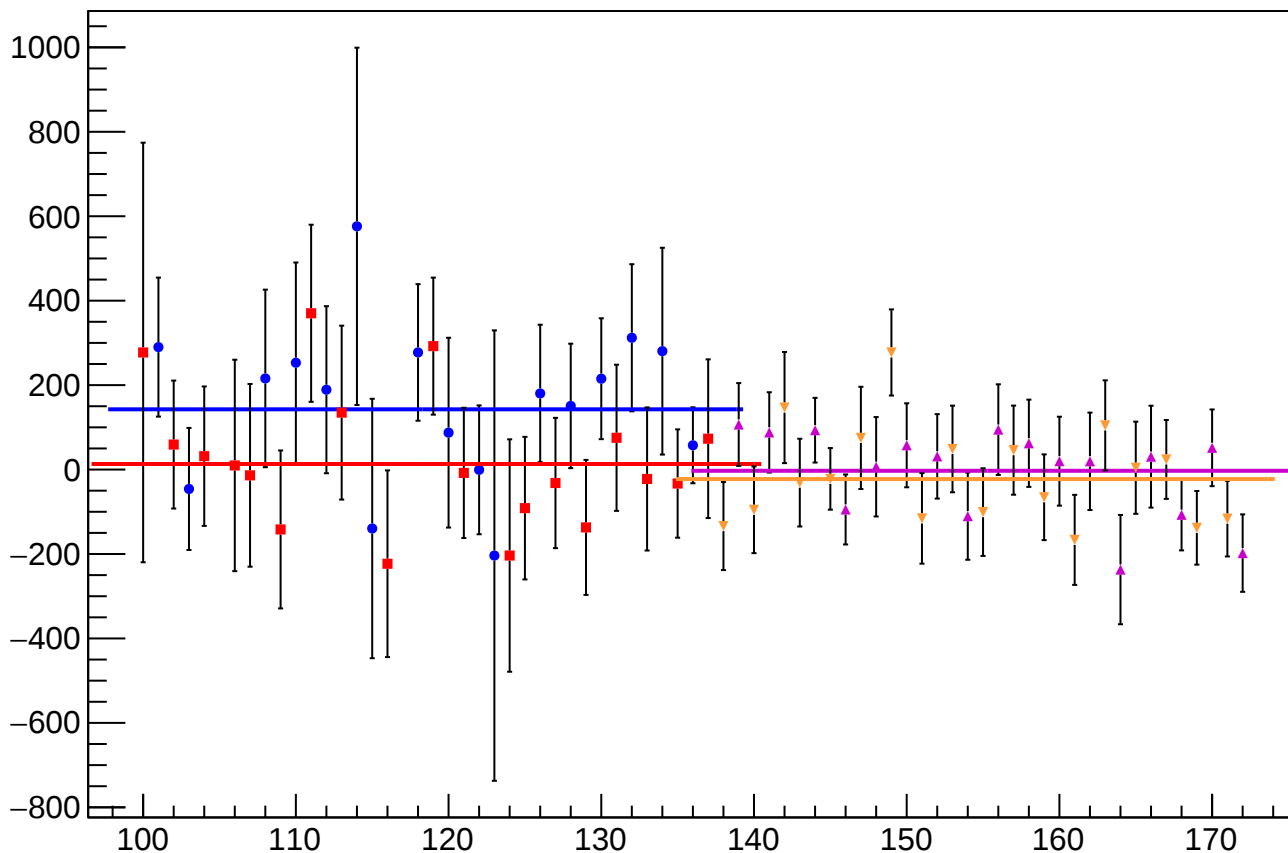
Right: 1505.825+/-0.294 χ^2/NDF : 1026270.9/35

In: 1005.392+/-0.165 χ^2/NDF : 2420672.2/33

Out: 1016.581+/-0.164 χ^2/NDF : 2748440.1/36

All: 1011.006+/-0.116 χ^2/NDF : 5171421.5/70

reg_asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 142.683 $\pm$ 41.625 χ^2 /NDF: 9.3/16

Left Out: -22.514 $\pm$ 23.694 χ^2 /NDF:21.4/17

Right Out: 13.177 $\pm$ 41.396 χ^2 /NDF: 10.8/18

Left In: -2.880 $\pm$ 23.888 χ^2 /NDF:17.6/16

Left: -12.777 $\pm$ 16.822 χ^2 /NDF: 39.3/34

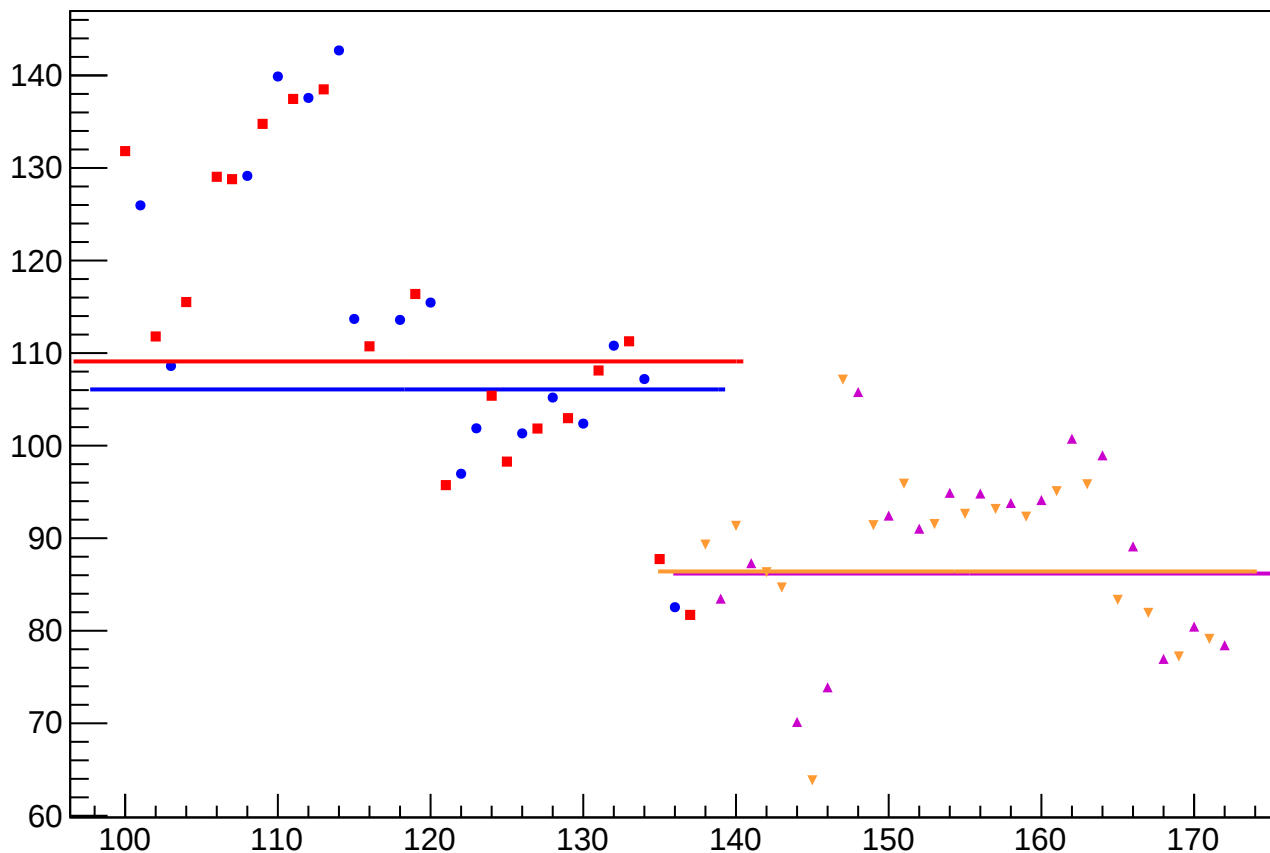
Right: 77.572 $\pm$ 29.352 χ^2 /NDF: 25.0/35

In: 33.184 $\pm$ 20.719 χ^2 /NDF:36.1/33

Out: -13.706 $\pm$ 20.564 χ^2 /NDF:32.8/36

All: 9.562 $\pm$ 14.595 χ^2 /NDF: 71.5/70

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 106.074 $\pm$ 0.029 χ^2 /NDF: 317907.9/16

Left Out: 86.406 $\pm$ 0.017 χ^2 /NDF:374471.7/17

Right Out: 109.100 $\pm$ 0.029 χ^2 /NDF: 285394.8/18

Left In: 86.182 $\pm$ 0.017 χ^2 /NDF:349725.1/16

Left: 86.295 $\pm$ 0.012 χ^2 /NDF: 724285.6/34

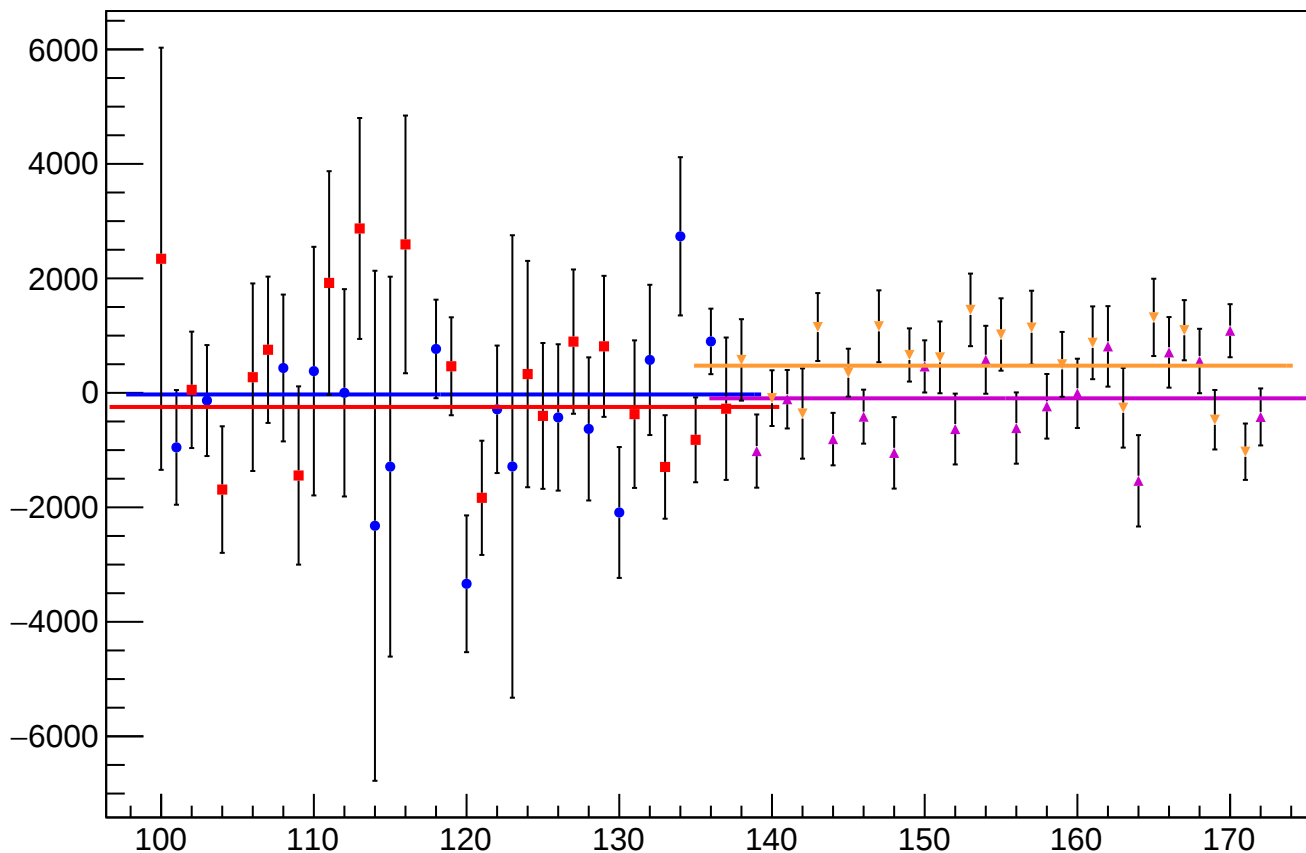
Right: 107.595 $\pm$ 0.021 χ^2 /NDF: 608619.1/35

In: 91.110 $\pm$ 0.015 χ^2 /NDF:1011212.5/33

Out: 92.006 $\pm$ 0.015 χ^2 /NDF:1112636.3/36

All: 91.562 $\pm$ 0.010 χ^2 /NDF: 2125733.7/70

asym_sam_26_48_dd_correction_mean vs Slug, Sign Corrected



Right In: -27.969 ± 283.741 χ^2/NDF : 20.5/16

Left Out: 474.873 ± 135.139 χ^2/NDF : 26.5/17

Right Out: -246.386 ± 279.451 χ^2/NDF : 15.9/18

Left In: -95.601 ± 134.997 χ^2/NDF : 26.5/16

Left: 189.337 ± 95.507 χ^2/NDF : 61.9/34

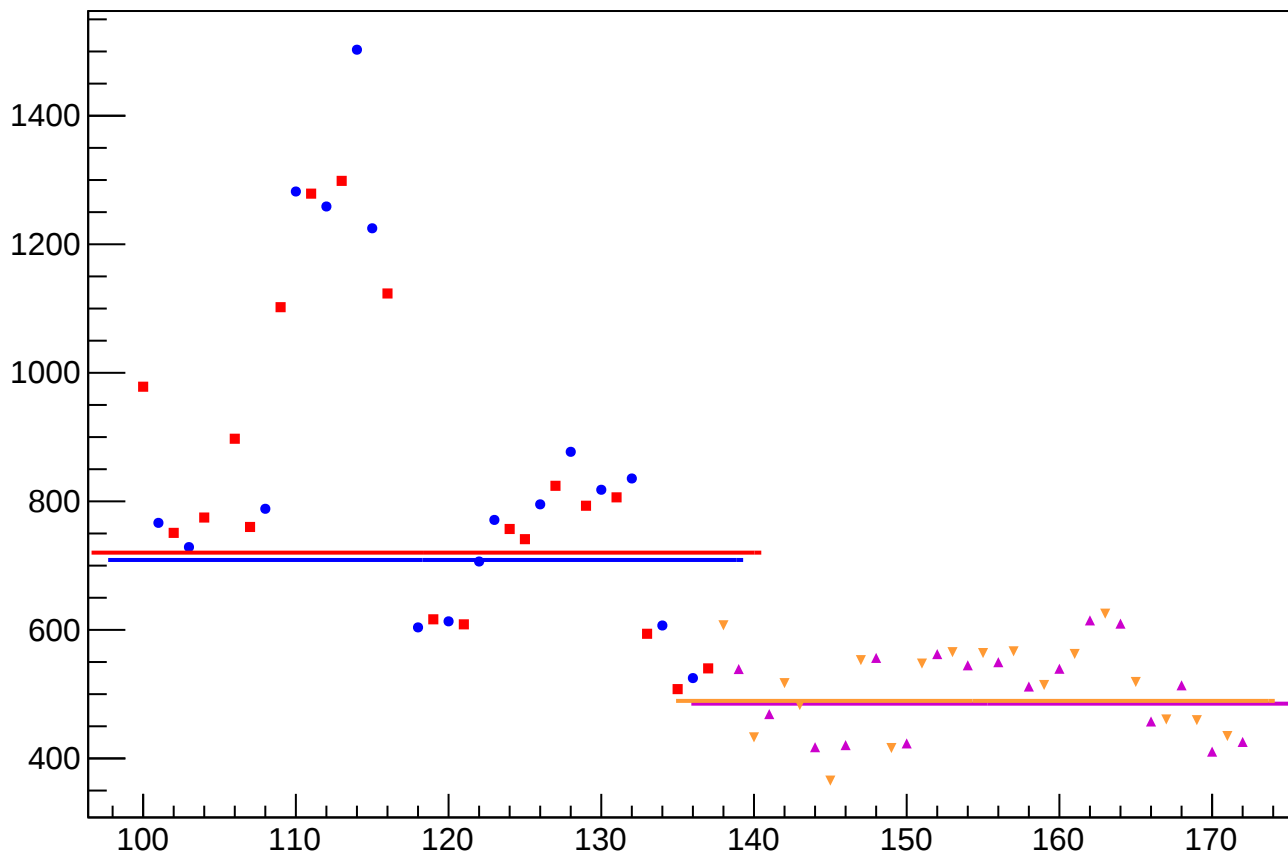
Right: -138.842 ± 199.101 χ^2/NDF : 36.7/35

In: -83.118 ± 121.903 χ^2/NDF : 47.0/33

Out: 338.171 ± 121.660 χ^2/NDF : 47.8/36

All: 127.947 ± 86.112 χ^2/NDF : 100.8/70

asym_sam_26_48_dd_correction_rms vs Slug, Sign Corrected



Right In: 708.784 $\pm$ 0.201 χ^2 /NDF: 793538.1/16

Left Out: 489.522 $\pm$ 0.096 χ^2 /NDF: 579826.5/17

Right Out: 720.201 $\pm$ 0.198 χ^2 /NDF: 899934.4/18

Left In: 485.205 $\pm$ 0.095 χ^2 /NDF: 459791.7/16

Left: 487.362 $\pm$ 0.068 χ^2 /NDF: 1040639.8/34

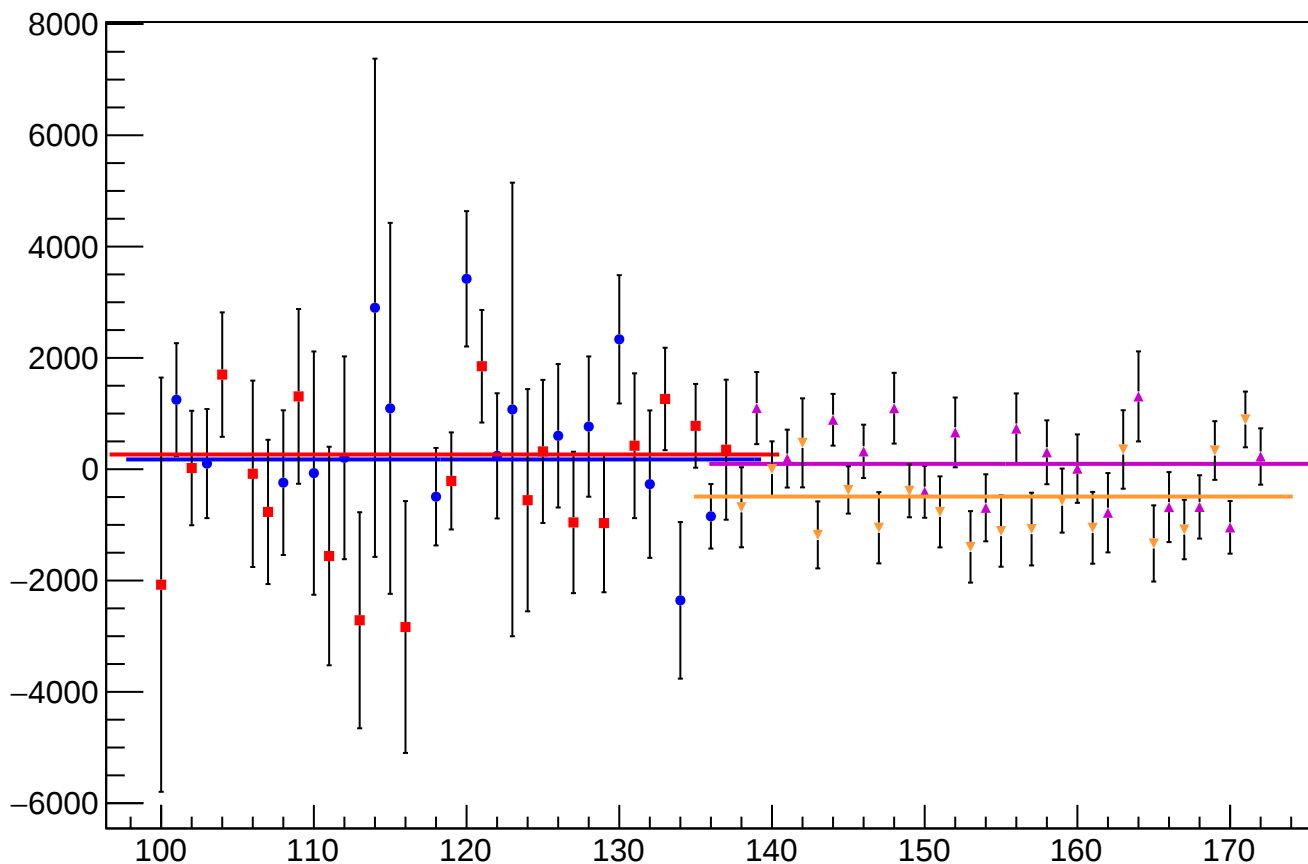
Right: 714.580 $\pm$ 0.141 χ^2 /NDF: 1695116.1/35

In: 526.474 $\pm$ 0.086 χ^2 /NDF: 2265905.1/33

Out: 533.244 $\pm$ 0.086 χ^2 /NDF: 2584268.8/36

All: 529.865 $\pm$ 0.061 χ^2 /NDF: 4853264.3/70

asym_sam_26_48_dd_mean vs Slug, Sign Corrected



Right In: 175.854 ± 287.218 $\chi^2/\text{NDF}: 19.7/16$

Left Out: -491.116 ± 137.349 $\chi^2/\text{NDF}: 23.7/17$

Right Out: 264.622 ± 283.074 $\chi^2/\text{NDF}: 14.8/18$

Left In: 96.063 ± 137.222 $\chi^2/\text{NDF}: 25.9/16$

Left: -197.255 ± 97.075 $\chi^2/\text{NDF}: 58.8/34$

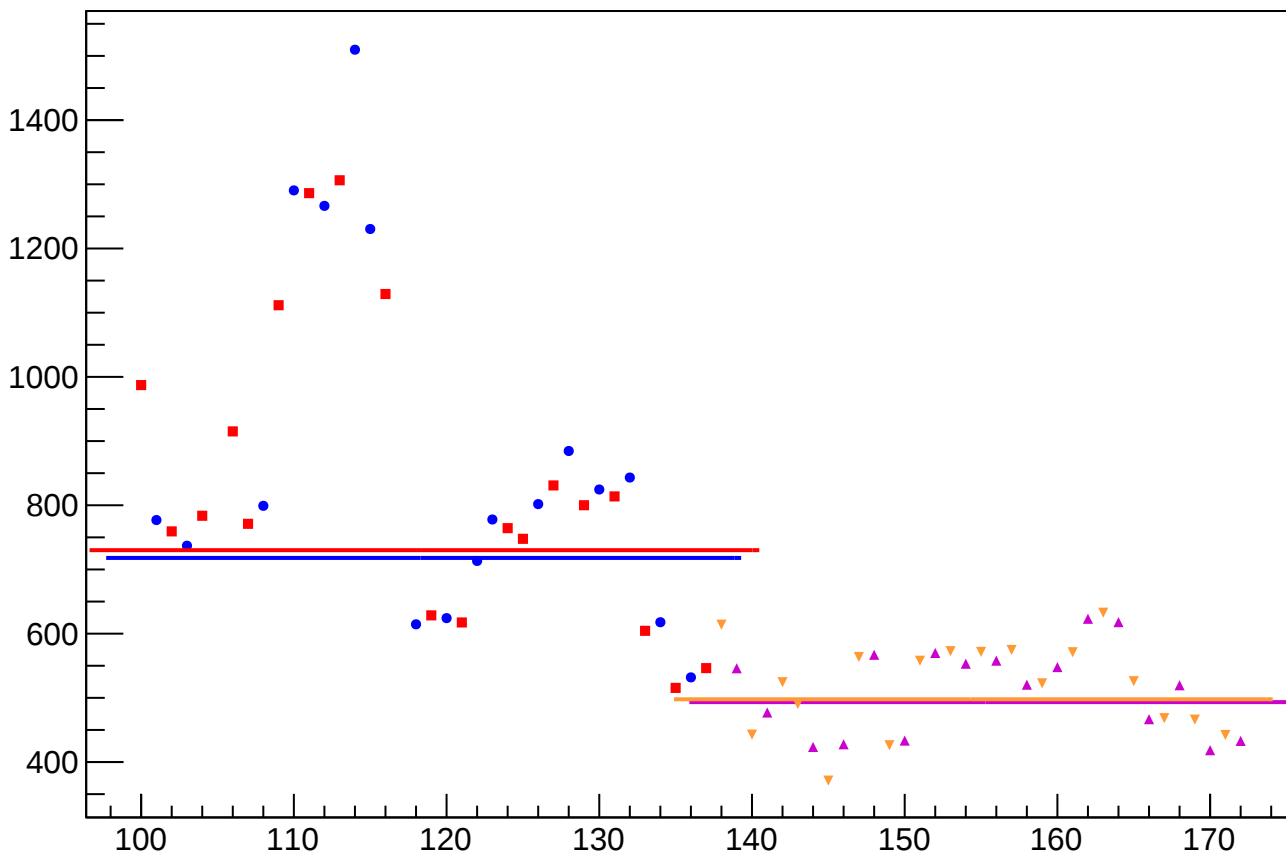
Right: 220.883 ± 201.613 $\chi^2/\text{NDF}: 34.6/35$

In: 110.891 ± 123.816 $\chi^2/\text{NDF}: 45.7/33$

Out: -347.102 ± 123.571 $\chi^2/\text{NDF}: 44.3/36$

All: -118.560 ± 87.465 $\chi^2/\text{NDF}: 96.8/70$

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 717.973 $\pm$ 0.203 χ^2 /NDF: 778580.1/16

Left Out: 497.758 $\pm$ 0.097 χ^2 /NDF: 566743.5/17

Right Out: 730.040 $\pm$ 0.200 χ^2 /NDF: 881842.0/18

Left In: 493.369 $\pm$ 0.097 χ^2 /NDF: 448993.6/16

Left: 495.562 $\pm$ 0.069 χ^2 /NDF: 1016759.1/34

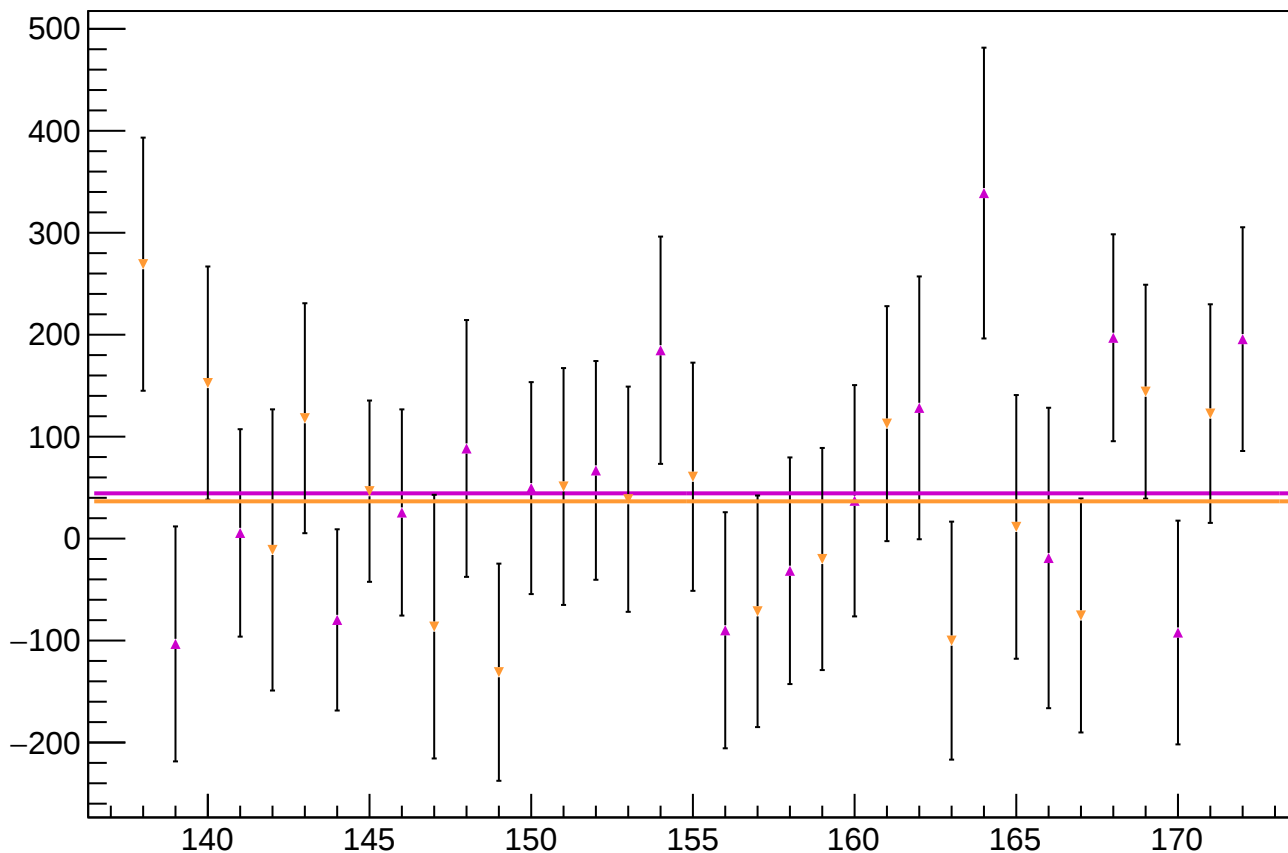
Right: 724.094 $\pm$ 0.143 χ^2 /NDF: 1662212.8/35

In: 535.109 $\pm$ 0.088 χ^2 /NDF: 2223326.1/33

Out: 542.022 $\pm$ 0.087 χ^2 /NDF: 2538630.1/36

All: 538.572 $\pm$ 0.062 χ^2 /NDF: 4765079.7/70

reg_asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 36.562+/-26.660 χ^2/NDF :14.3/17

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

Left In: 44.402+/-27.007 χ^2/NDF :17.9/16

Left: 40.431+/-18.973 χ^2/NDF : 32.3/34

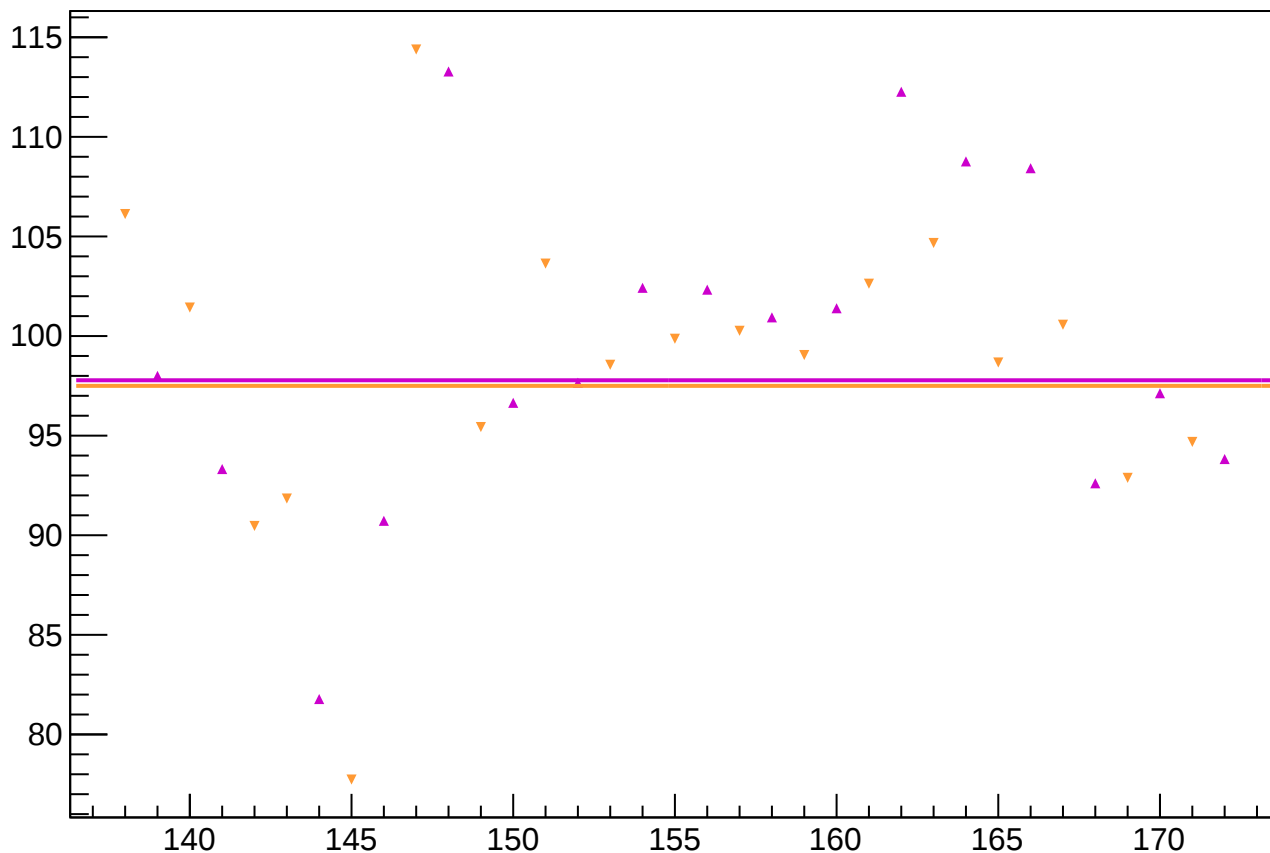
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 44.402+/-27.007 χ^2/NDF :17.9/16

Out: 36.562+/-26.660 χ^2/NDF :14.3/17

All: 40.431+/-18.973 χ^2/NDF : 32.3/34

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 97.500+/-0.019 χ^2/NDF :182544.5/17

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

Left In: 97.780+/-0.019 χ^2/NDF :174568.7/16

Left: 97.638+/-0.013 χ^2/NDF : 357222.4/34

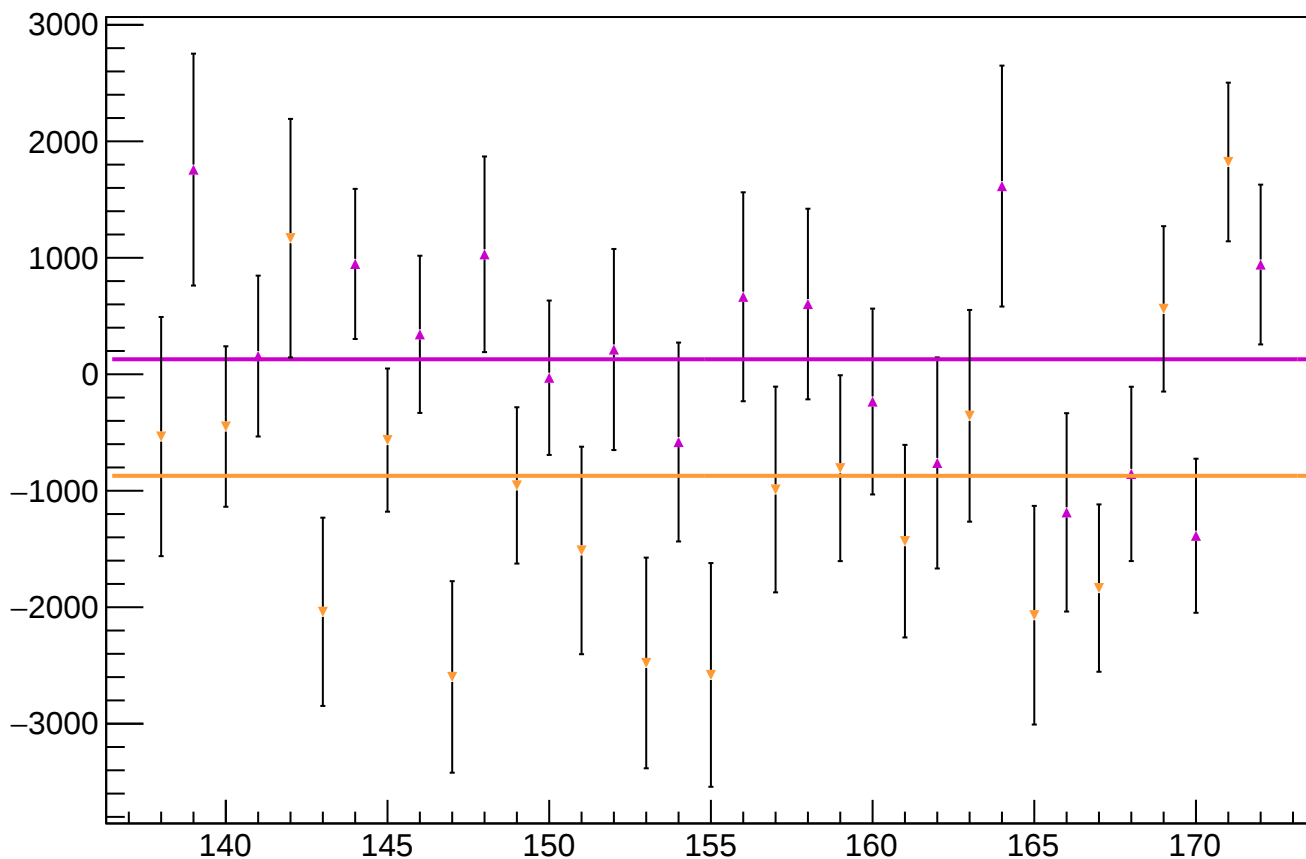
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 97.780+/-0.019 χ^2/NDF :174568.7/16

Out: 97.500+/-0.019 χ^2/NDF :182544.5/17

All: 97.638+/-0.013 χ^2/NDF : 357222.4/34

asym_sam_1548_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -871.756+/-188.342 χ^2/NDF :42.0/17

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

Left In: 128.922+/-188.466 χ^2/NDF :21.0/16

Left: -371.746+/-133.222 χ^2/NDF : 77.1/34

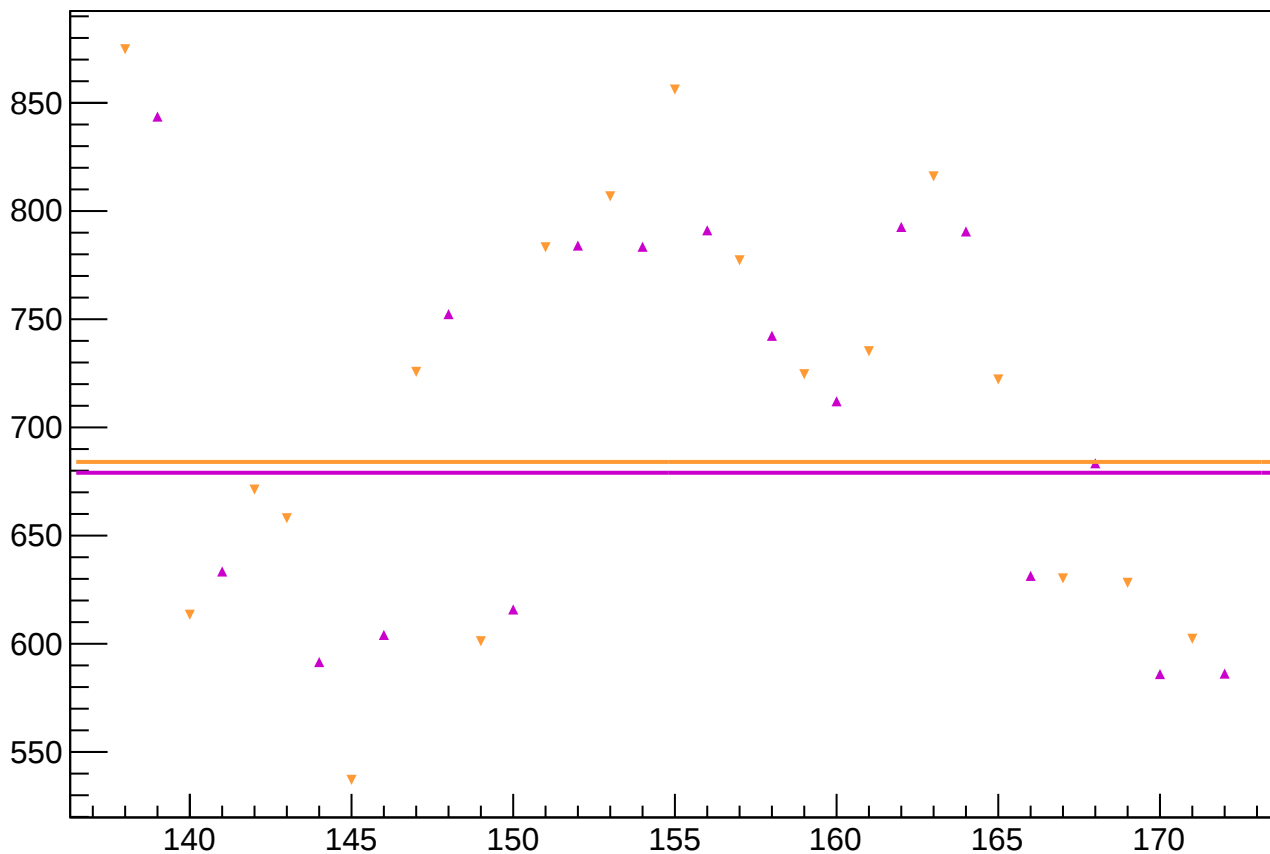
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 128.922+/-188.466 χ^2/NDF :21.0/16

Out: -871.756+/-188.342 χ^2/NDF :42.0/17

All: -371.746+/-133.222 χ^2/NDF : 77.1/34

asym_sam_1548_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 684.056+/-0.133 χ^2/NDF : 501149.8/17

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

Left In: 679.044+/-0.133 χ^2/NDF : 401746.8/16

Left: 681.552+/-0.094 χ^2/NDF : 903604.2/34

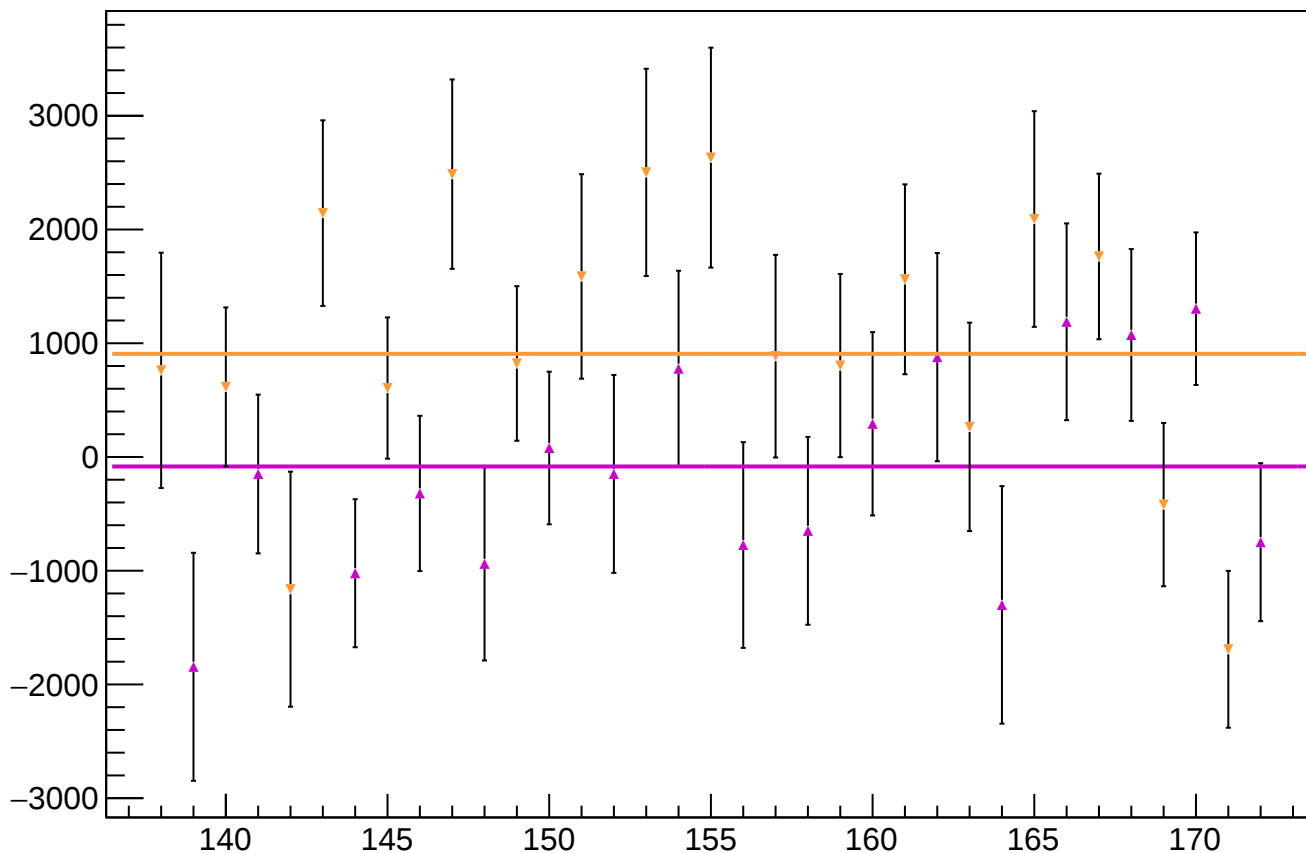
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 679.044+/-0.133 χ^2/NDF : 401746.8/16

Out: 684.056+/-0.133 χ^2/NDF : 501149.8/17

All: 681.552+/-0.094 χ^2/NDF : 903604.2/34

asym_sam_1548_avg_mean vs Slug, Sign Corrected



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

Left Out: 907.088+/-190.341 χ^2/NDF :38.8/17

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

Left In: -83.471+/-190.505 χ^2/NDF :20.8/16

Left: 412.233+/-134.649 χ^2/NDF : 73.2/34

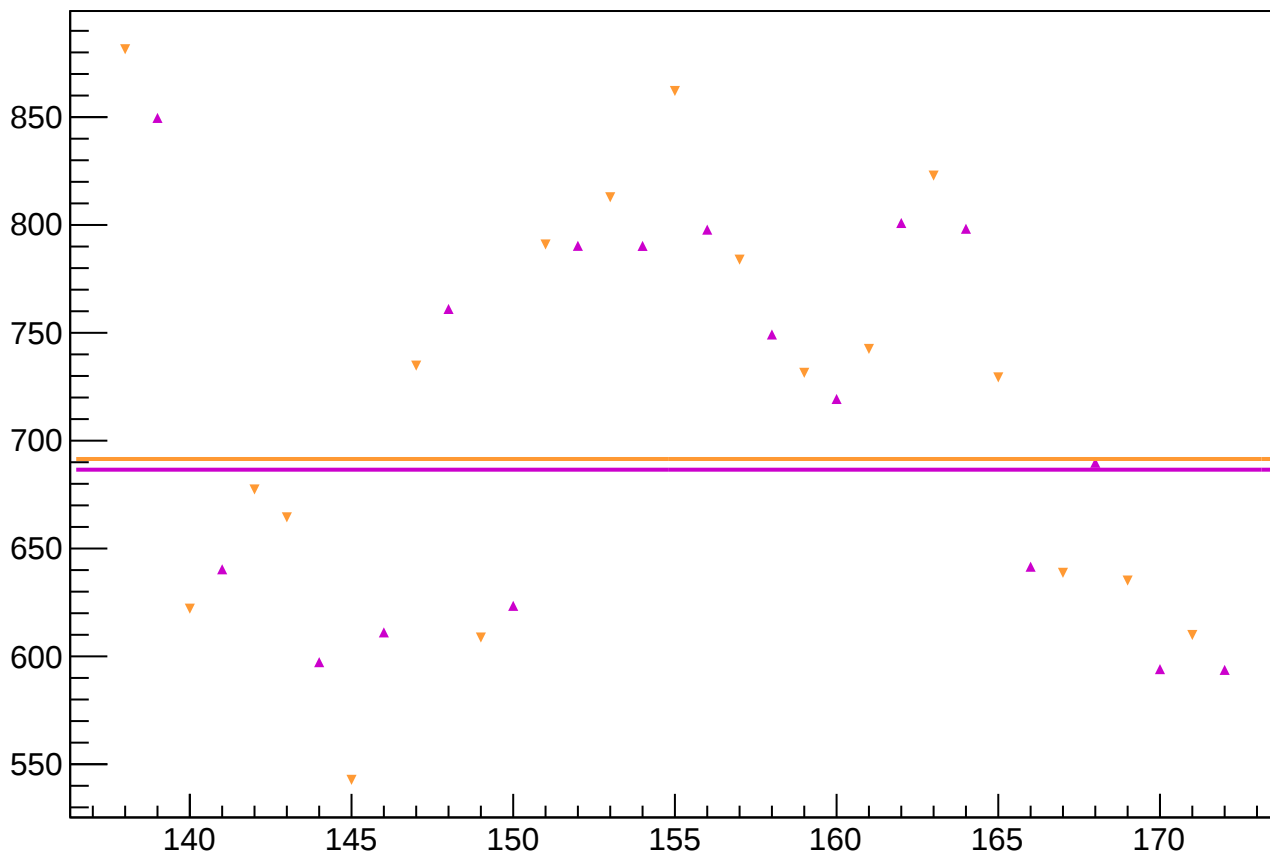
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -83.471+/-190.505 χ^2/NDF :20.8/16

Out: 907.088+/-190.341 χ^2/NDF :38.8/17

All: 412.233+/-134.649 χ^2/NDF : 73.2/34

asym_sam_1548_avg_rms vs Slug, Sign Corrected



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

Left Out: 691.506+/-0.135 χ^2/NDF : 490741.8/17

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

Left In: 686.549+/-0.135 χ^2/NDF : 392659.5/16

Left: 689.030+/-0.095 χ^2/NDF : 884078.9/34

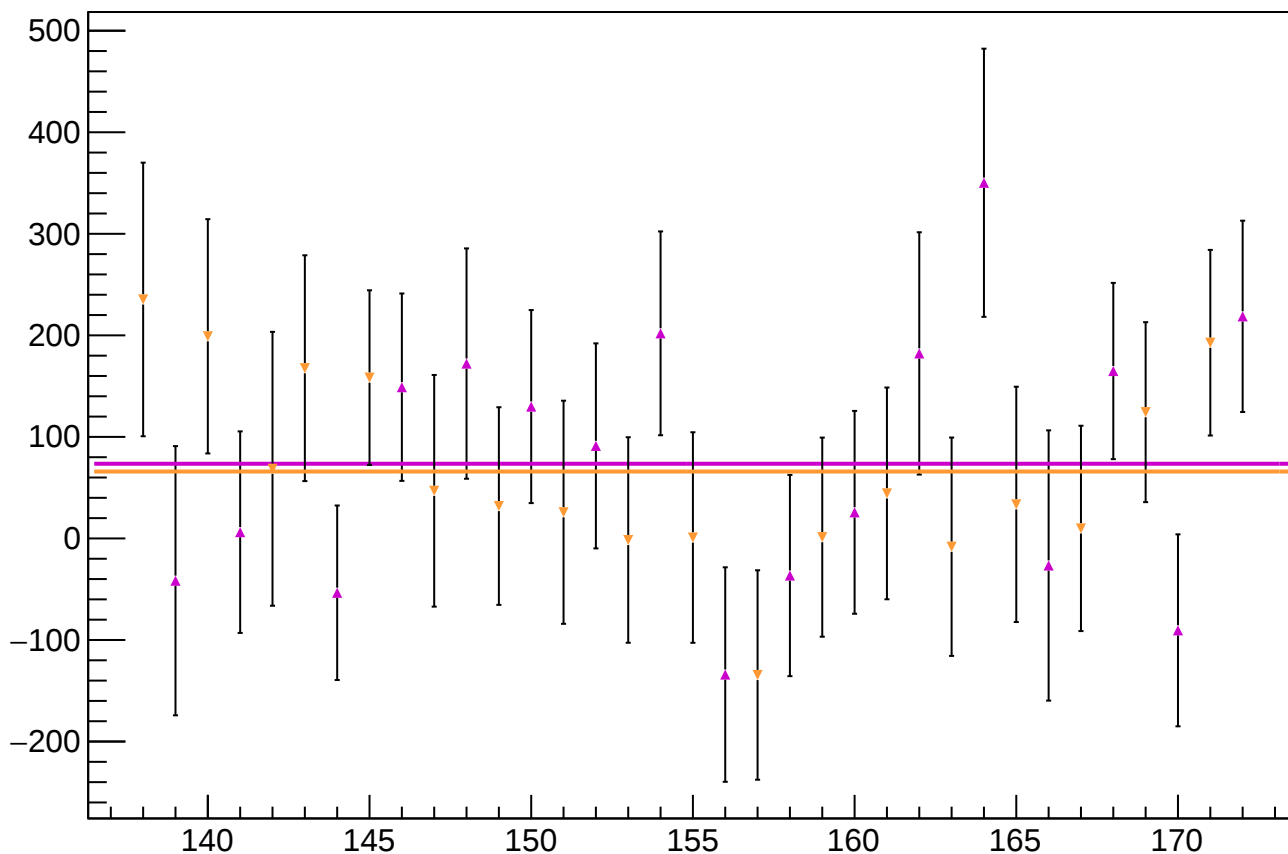
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 686.549+/-0.135 χ^2/NDF : 392659.5/16

Out: 691.506+/-0.135 χ^2/NDF : 490741.8/17

All: 689.030+/-0.095 χ^2/NDF : 884078.9/34

reg_asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 65.906 $\pm$ 24.594 χ^2 /NDF:13.5/17

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

Left In: 73.555 $\pm$ 24.766 χ^2 /NDF:24.5/16

Left: 69.704 $\pm$ 17.451 χ^2 /NDF: 38.0/34

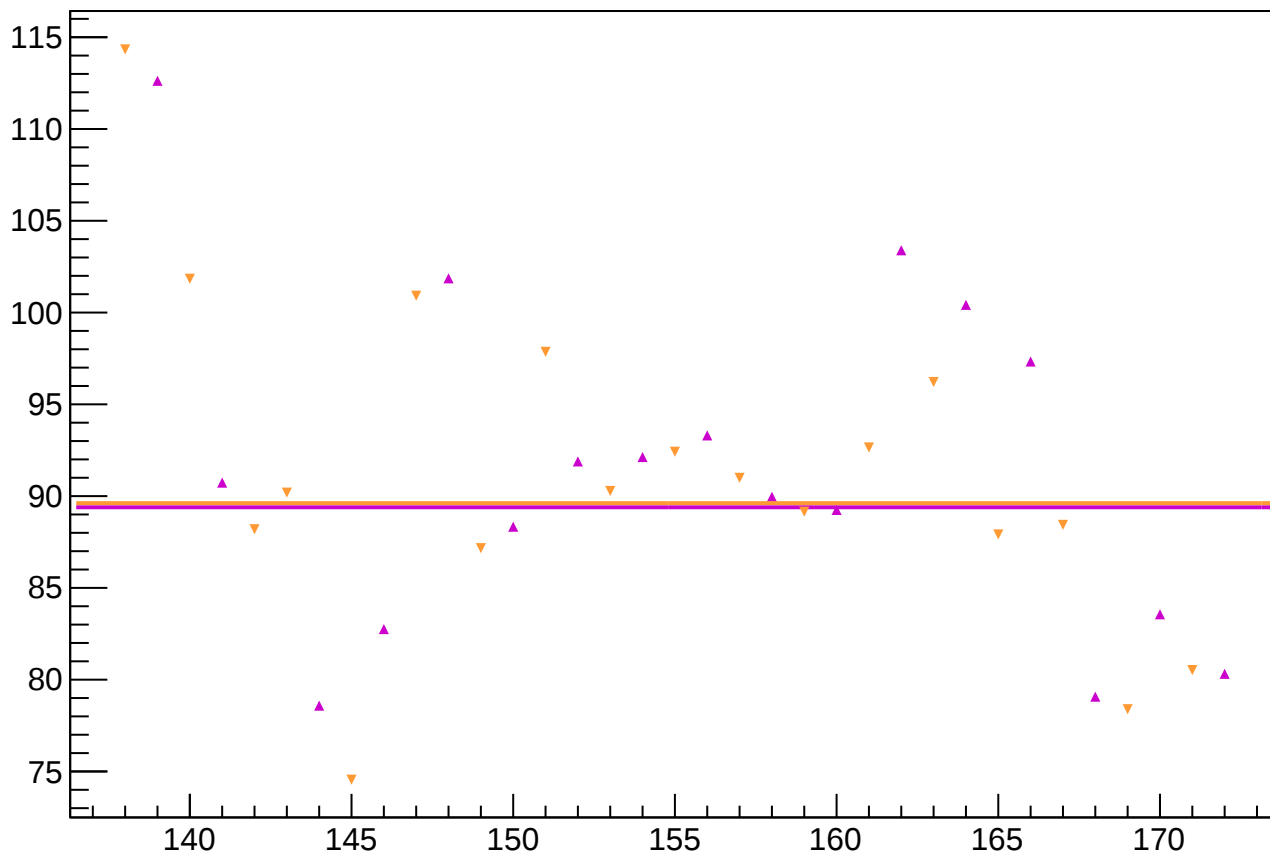
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 73.555 $\pm$ 24.766 χ^2 /NDF:24.5/16

Out: 65.906 $\pm$ 24.594 χ^2 /NDF:13.5/17

All: 69.704 $\pm$ 17.451 χ^2 /NDF: 38.0/34

reg_asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 89.616+/-0.017 χ^2/NDF :247370.8/17

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

Left In: 89.392+/-0.018 χ^2/NDF :236797.7/16

Left: 89.505+/-0.012 χ^2/NDF : 484251.1/34

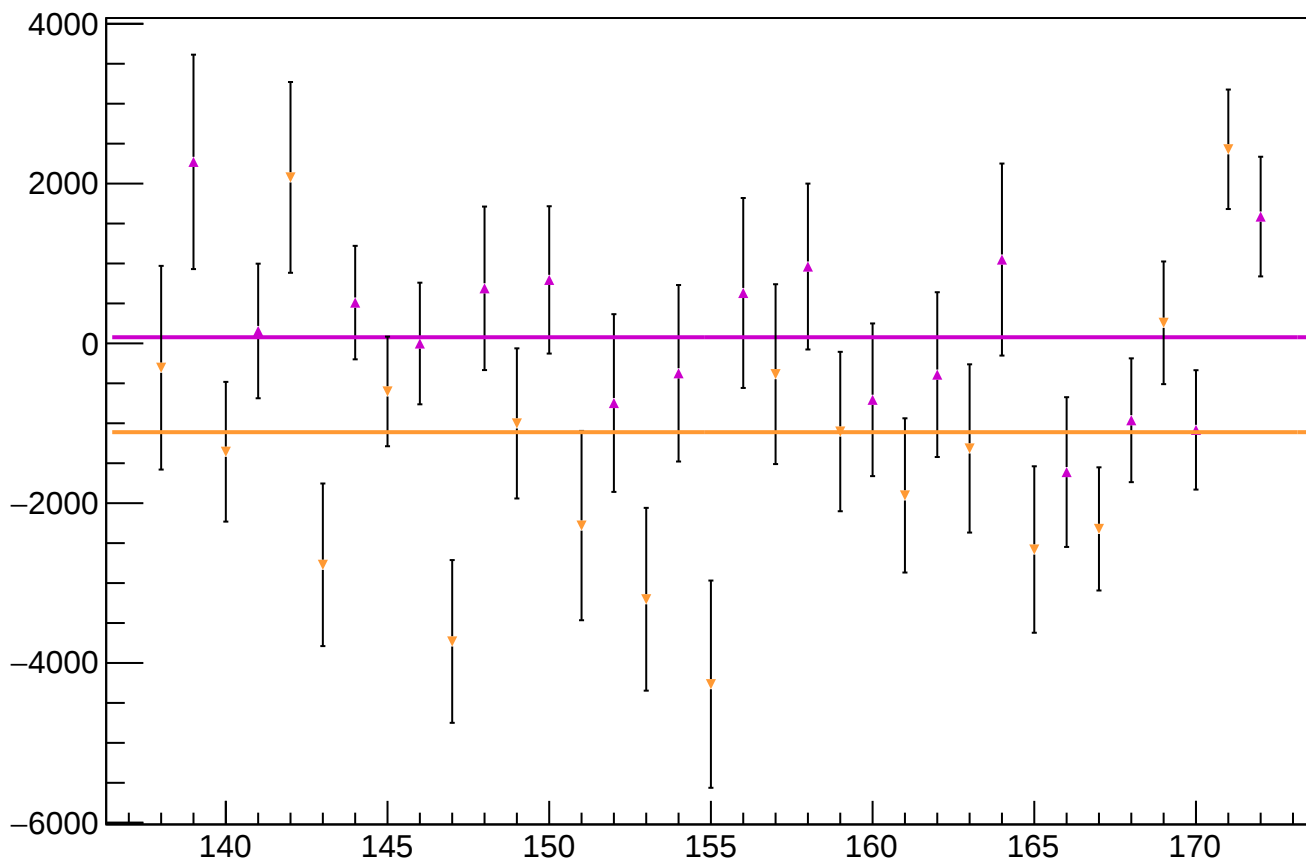
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 89.392+/-0.018 χ^2/NDF :236797.7/16

Out: 89.616+/-0.017 χ^2/NDF :247370.8/17

All: 89.505+/-0.012 χ^2/NDF : 484251.1/34

asym_sam_3748_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -1111.361+/-225.063 χ^2/NDF :58.9/17

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

Left In: 76.922+/-222.635 χ^2/NDF :18.7/16

Left: -510.773+/-158.278 χ^2/NDF : 91.7/34

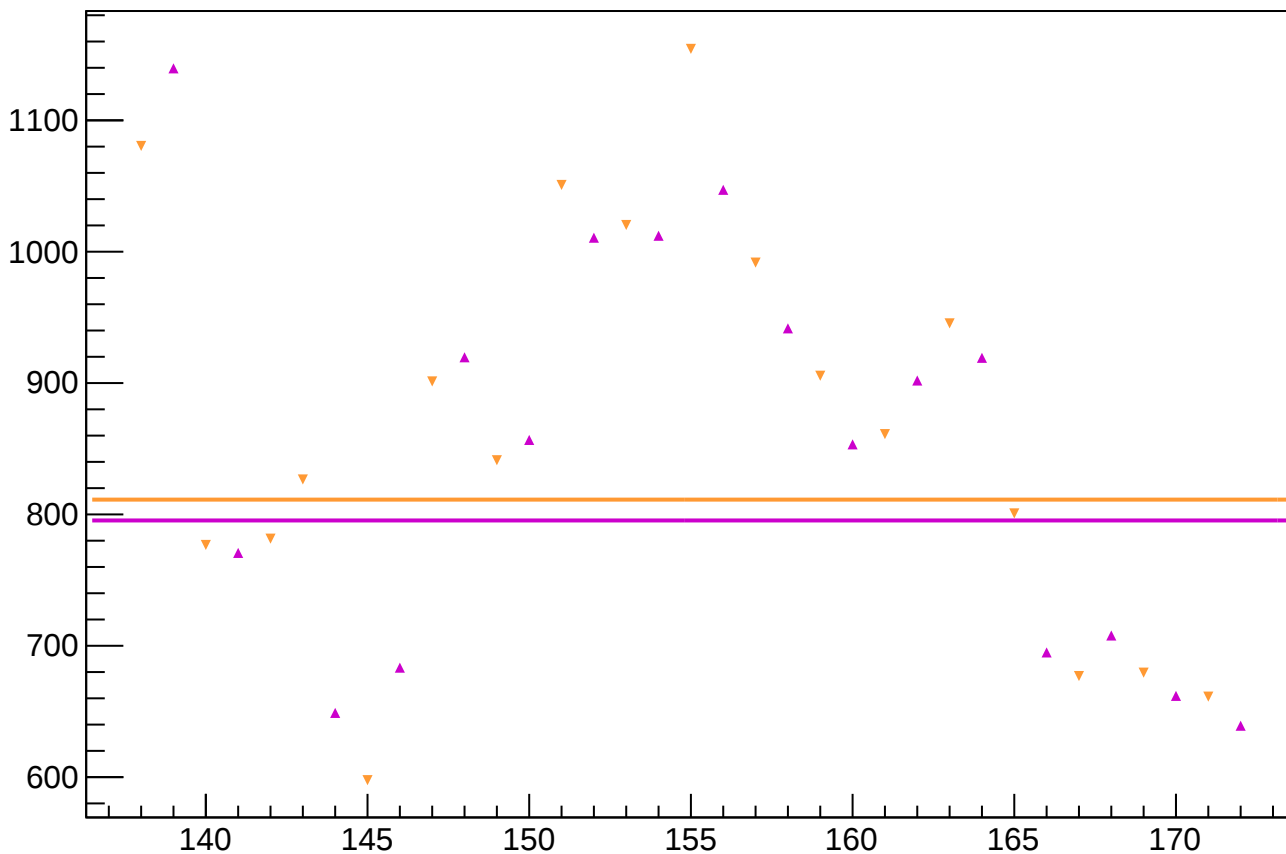
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 76.922+/-222.635 χ^2/NDF :18.7/16

Out: -1111.361+/-225.063 χ^2/NDF :58.9/17

All: -510.773+/-158.278 χ^2/NDF : 91.7/34

asym_sam_3748_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 811.273+/-0.159 χ^2/NDF :901434.9/17

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

Left In: 795.406+/-0.157 χ^2/NDF :830778.7/16

Left: 803.253+/-0.112 χ^2/NDF : 1737238.2/34

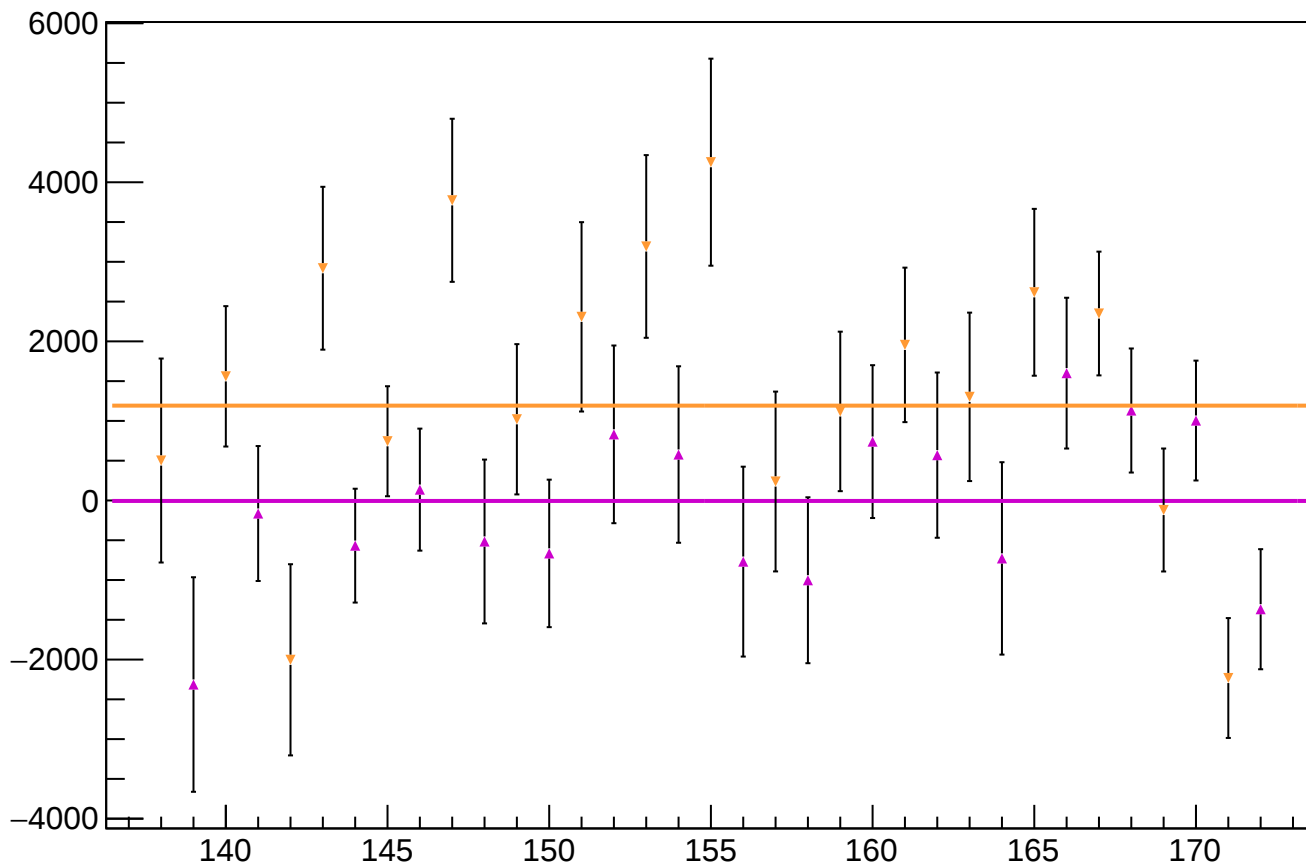
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 795.406+/-0.157 χ^2/NDF :830778.7/16

Out: 811.273+/-0.159 χ^2/NDF :901434.9/17

All: 803.253+/-0.112 χ^2/NDF : 1737238.2/34

asym_sam_3748_avg_mean vs Slug, Sign Corrected



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

Left Out: 1192.155+/-226.535 χ^2/NDF :55.6/17

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

Left In: -6.092+/-224.136 χ^2/NDF :17.8/16

Left: 586.653+/-159.329 χ^2/NDF : 87.5/34

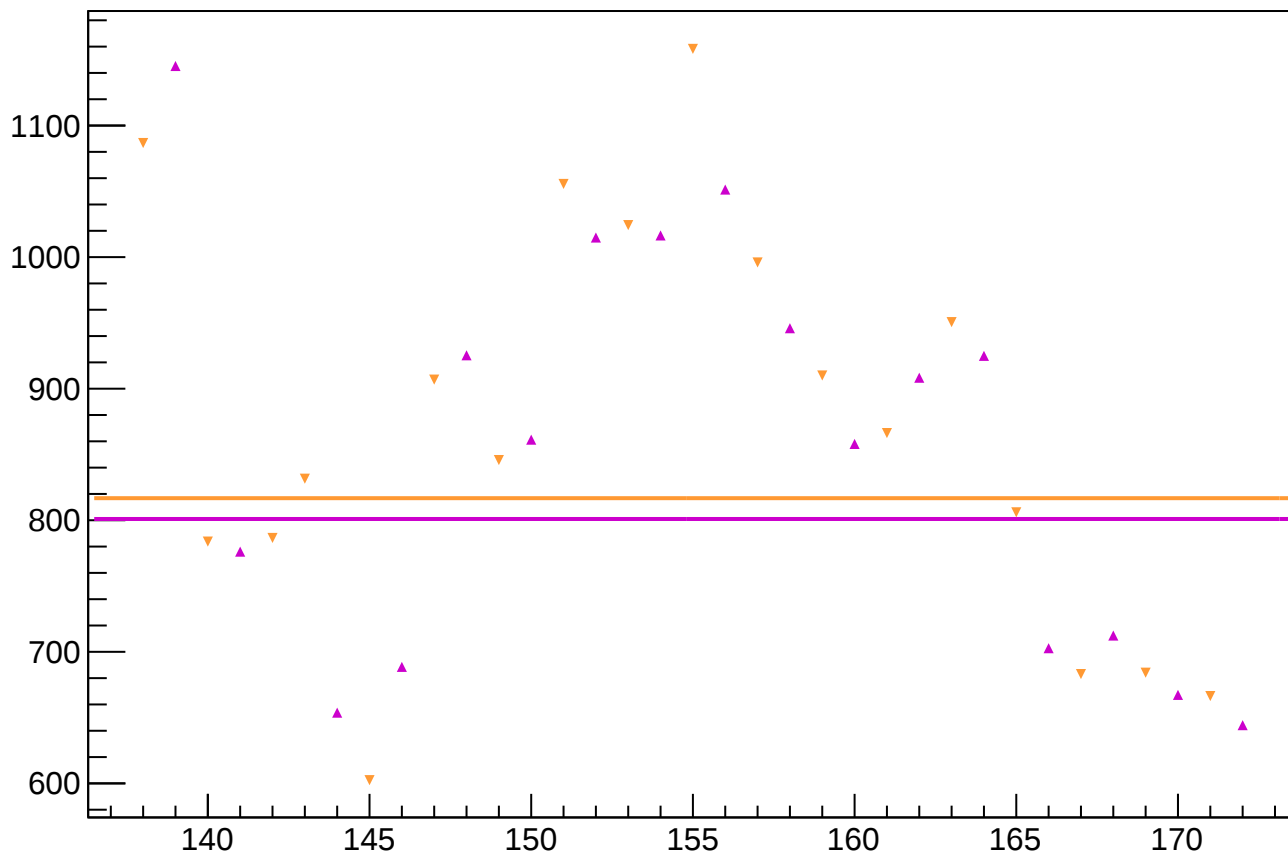
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -6.092+/-224.136 χ^2/NDF :17.8/16

Out: 1192.155+/-226.535 χ^2/NDF :55.6/17

All: 586.653+/-159.329 χ^2/NDF : 87.5/34

asym_sam_3748_avg_rms vs Slug, Sign Corrected



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

Left Out: 816.782+/-0.160 χ^2/NDF : 888841.6/17

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

Left In: 800.968+/-0.158 χ^2/NDF : 818870.2/16

Left: 808.791+/-0.113 χ^2/NDF : 1712637.3/34

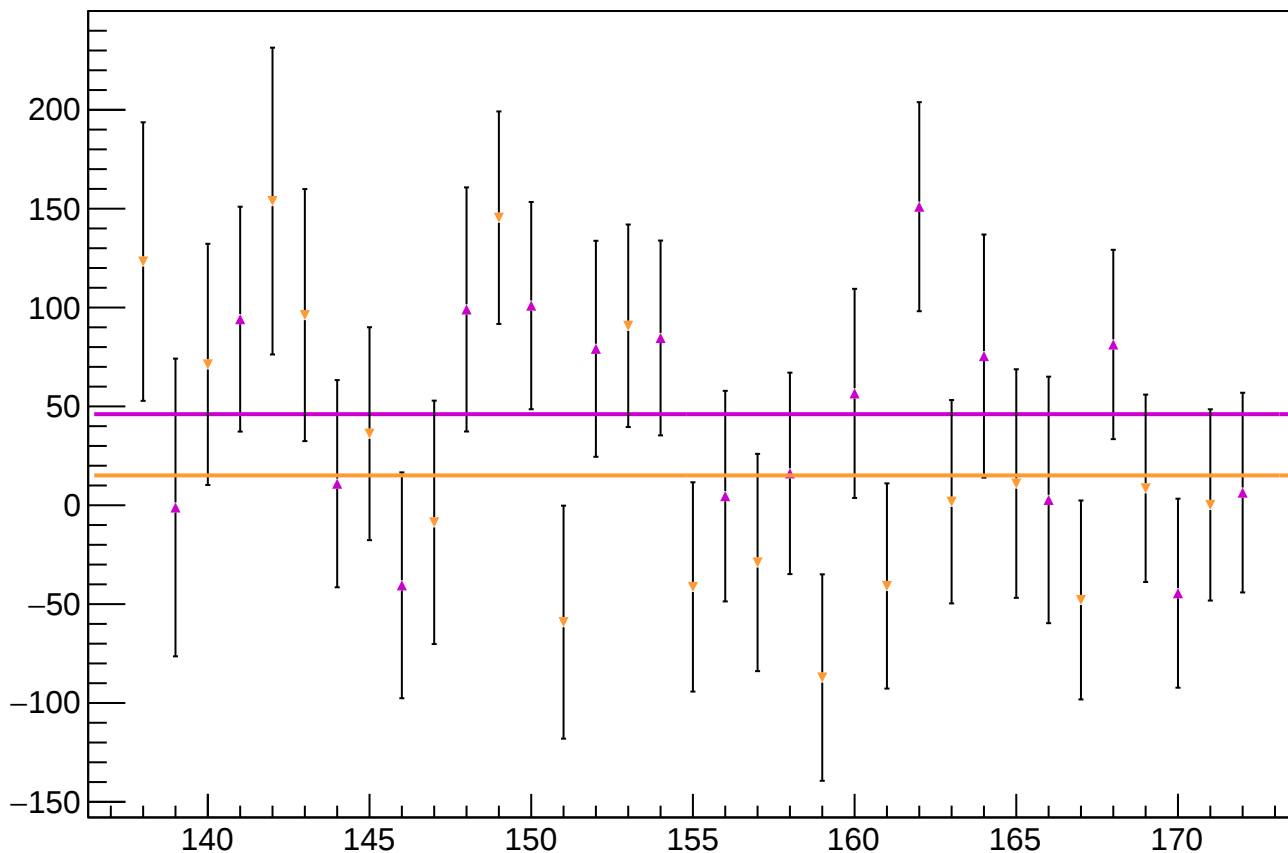
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 800.968+/-0.158 χ^2/NDF : 818870.2/16

Out: 816.782+/-0.160 χ^2/NDF : 888841.6/17

All: 808.791+/-0.113 χ^2/NDF : 1712637.3/34

reg_asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 15.110+/-13.043 χ^2/NDF : 26.5/17

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

Left In: 46.069+/-13.164 χ^2/NDF : 17.1/16

Left: 30.447+/-9.265 χ^2/NDF : 46.4/34

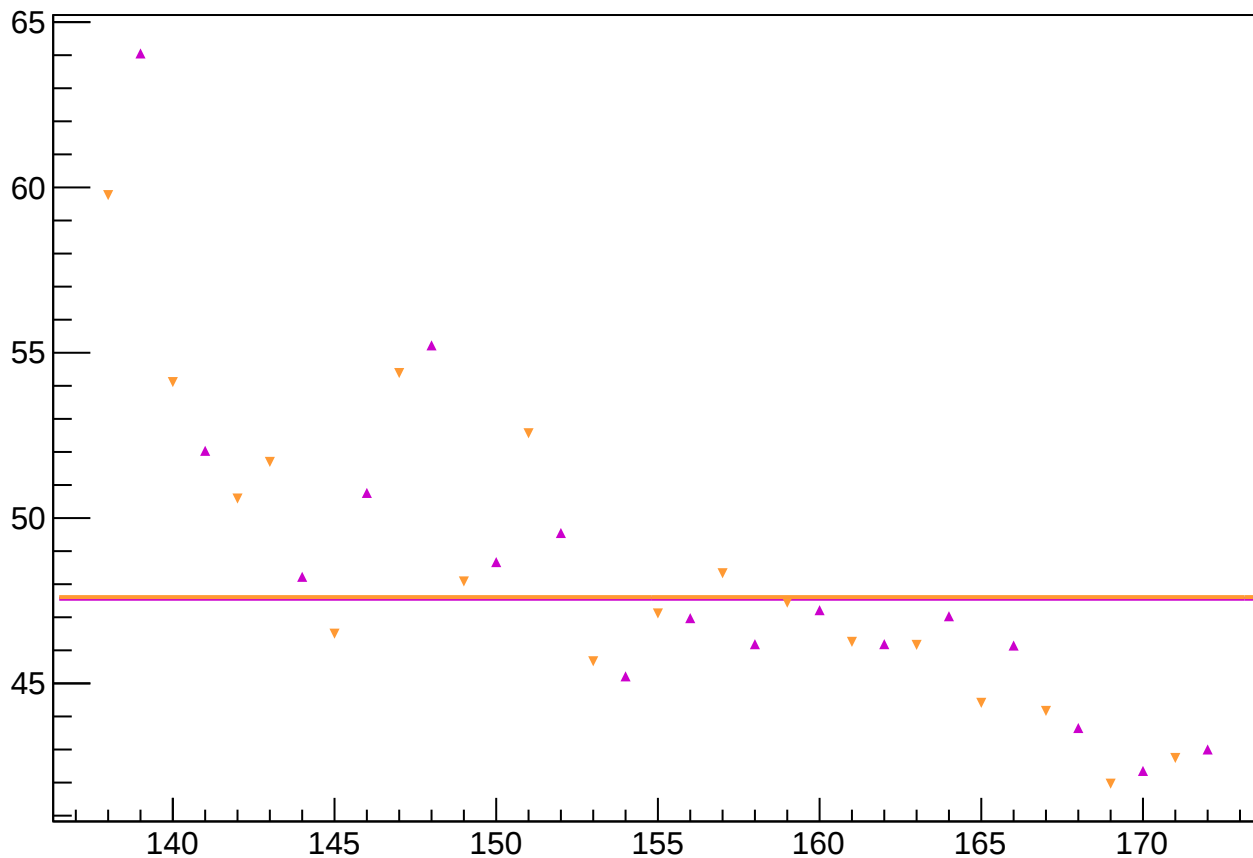
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 46.069+/-13.164 χ^2/NDF : 17.1/16

Out: 15.110+/-13.043 χ^2/NDF : 26.5/17

All: 30.447+/-9.265 χ^2/NDF : 46.4/34

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 47.610+/-0.009 χ^2 /NDF:203313.0/17

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

Left In: 47.561+/-0.009 χ^2 /NDF:211532.2/16

Left: 47.586+/-0.007 χ^2 /NDF: 414859.2/34

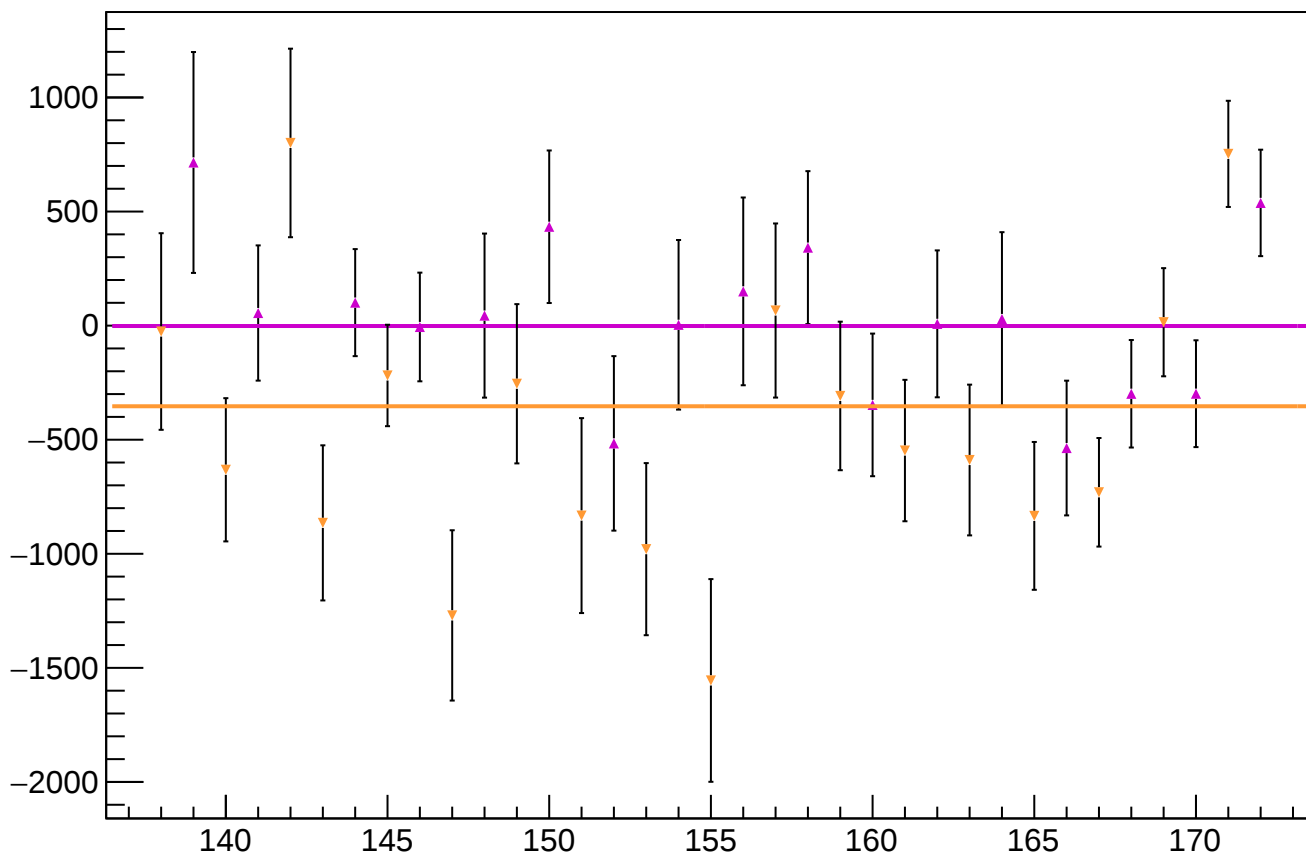
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 47.561+/-0.009 χ^2 /NDF:211532.2/16

Out: 47.610+/-0.009 χ^2 /NDF:203313.0/17

All: 47.586+/-0.007 χ^2 /NDF: 414859.2/34

asym_sam_1526_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -353.403 ± 74.005 $\chi^2/\text{NDF}: 61.1/17$

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

Left In: -1.666 ± 72.563 $\chi^2/\text{NDF}: 20.2/16$

Left: -174.073 ± 51.812 $\chi^2/\text{NDF}: 92.8/34$

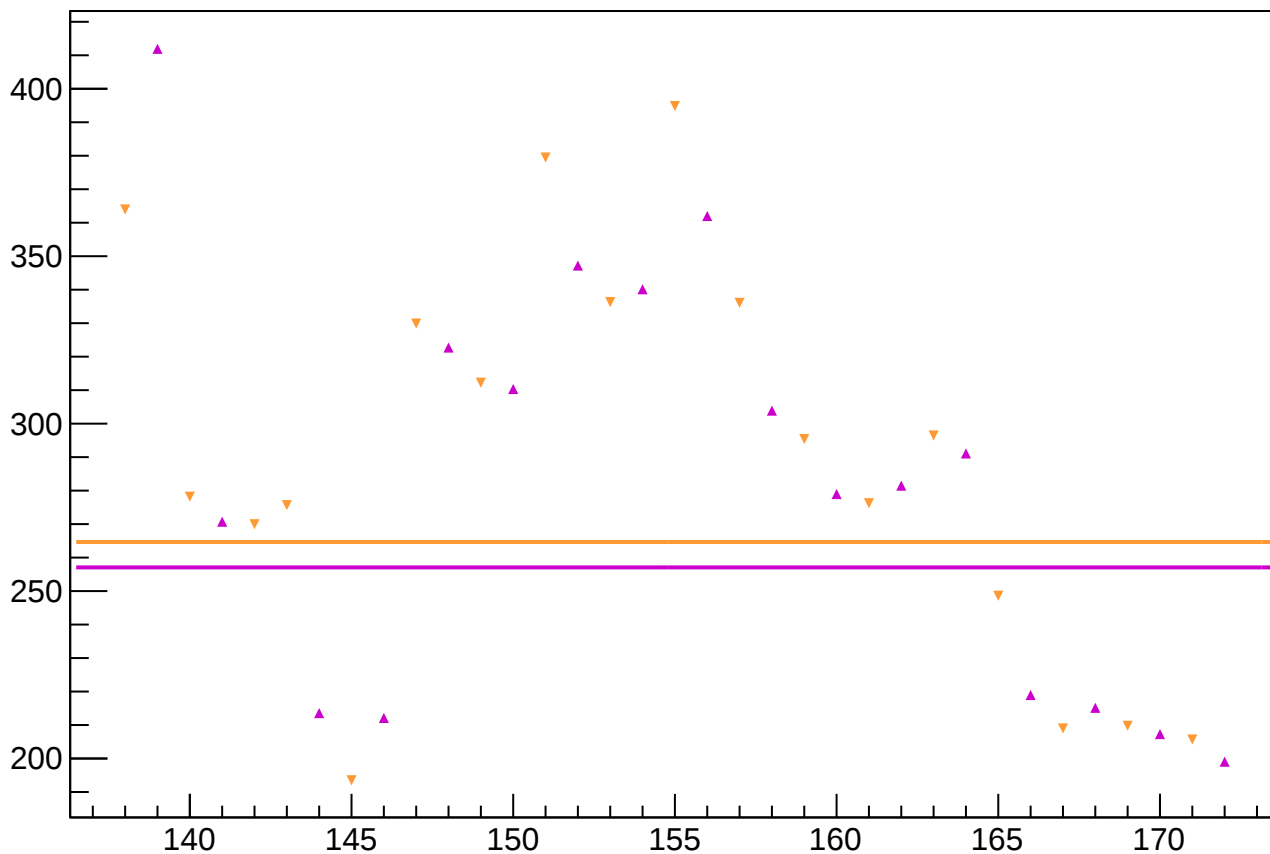
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -1.666 ± 72.563 $\chi^2/\text{NDF}: 20.2/16$

Out: -353.403 ± 74.005 $\chi^2/\text{NDF}: 61.1/17$

All: -174.073 ± 51.812 $\chi^2/\text{NDF}: 92.8/34$

asym_sam_1526_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 264.656+/-0.052 χ^2/NDF :1263319.8/17

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

Left In: 257.071+/-0.051 χ^2/NDF :1194641.4/16

Left: 260.789+/-0.037 χ^2/NDF : 2468673.8/34

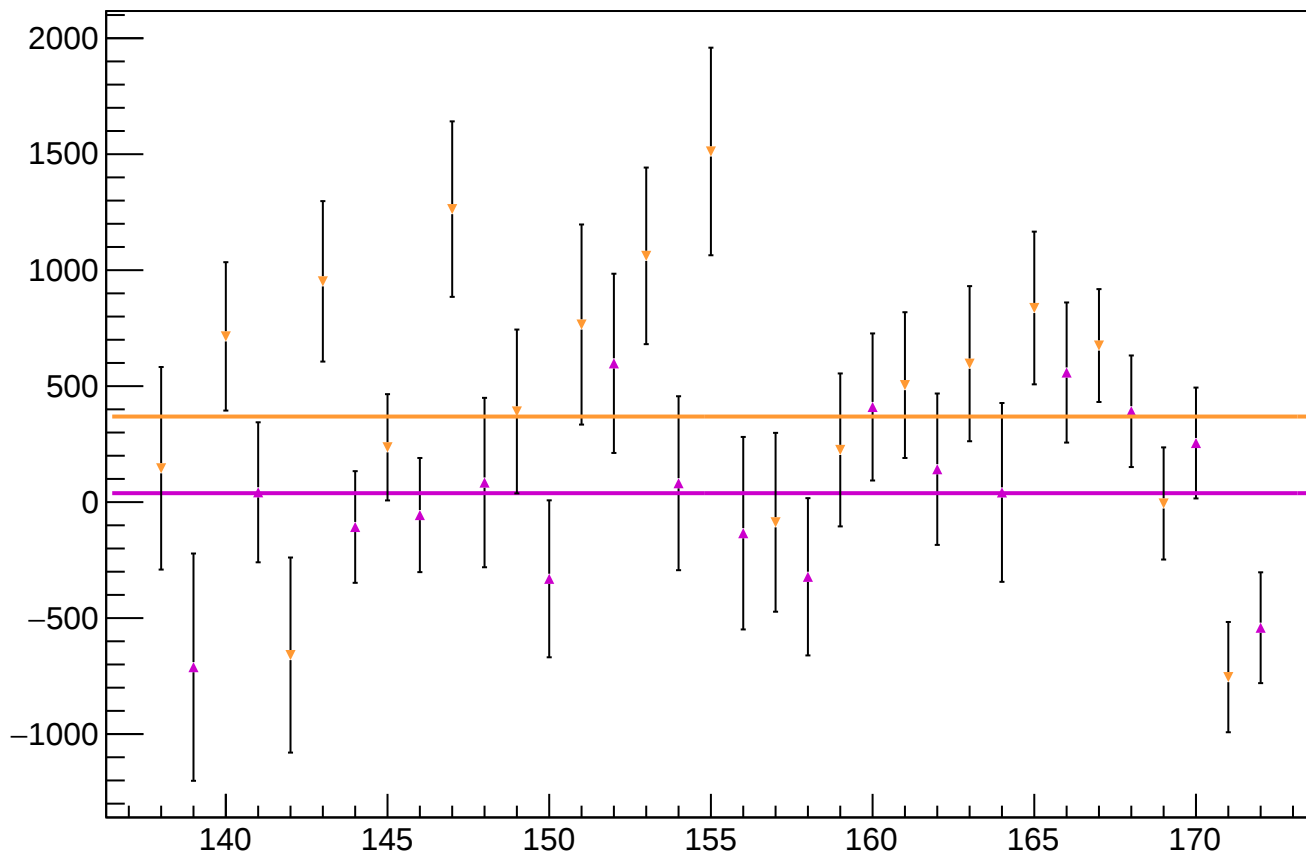
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 257.071+/-0.051 χ^2/NDF :1194641.4/16

Out: 264.656+/-0.052 χ^2/NDF :1263319.8/17

All: 260.789+/-0.037 χ^2/NDF : 2468673.8/34

asym_sam_1526_avg_mean vs Slug, Sign Corrected



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

Left Out: 368.945+/-75.318 χ^2/NDF :57.4/17

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

Left In: 38.556+/-73.959 χ^2/NDF :20.8/16

Left: 200.745+/-52.771 χ^2/NDF : 88.0/34

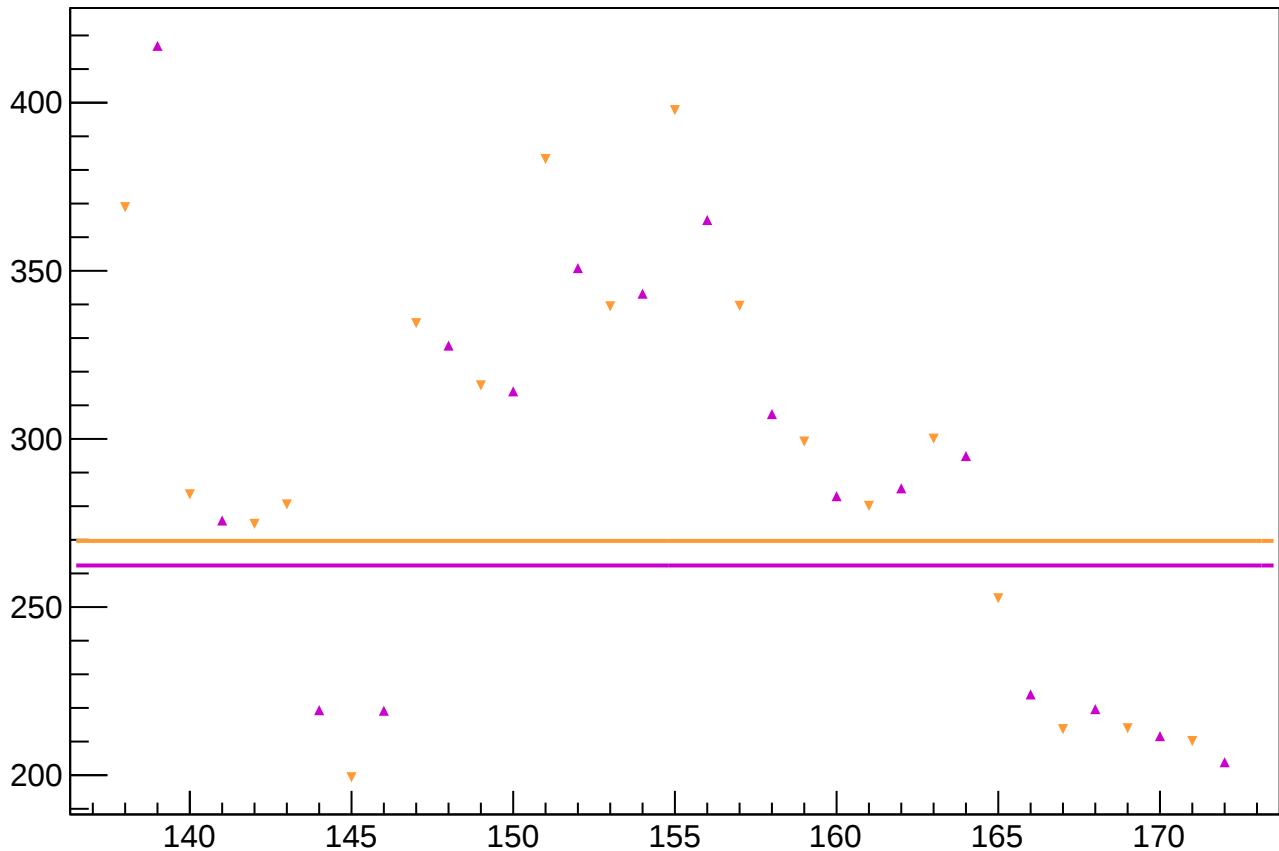
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 38.556+/-73.959 χ^2/NDF :20.8/16

Out: 368.945+/-75.318 χ^2/NDF :57.4/17

All: 200.745+/-52.771 χ^2/NDF : 88.0/34

asym_sam_1526_avg_rms vs Slug, Sign Corrected



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

Left Out: 269.676+/-0.053 χ^2/NDF :1203706.5/17

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

Left In: 262.365+/-0.052 χ^2/NDF :1133172.9/16

Left: 265.954+/-0.037 χ^2/NDF : 2346472.3/34

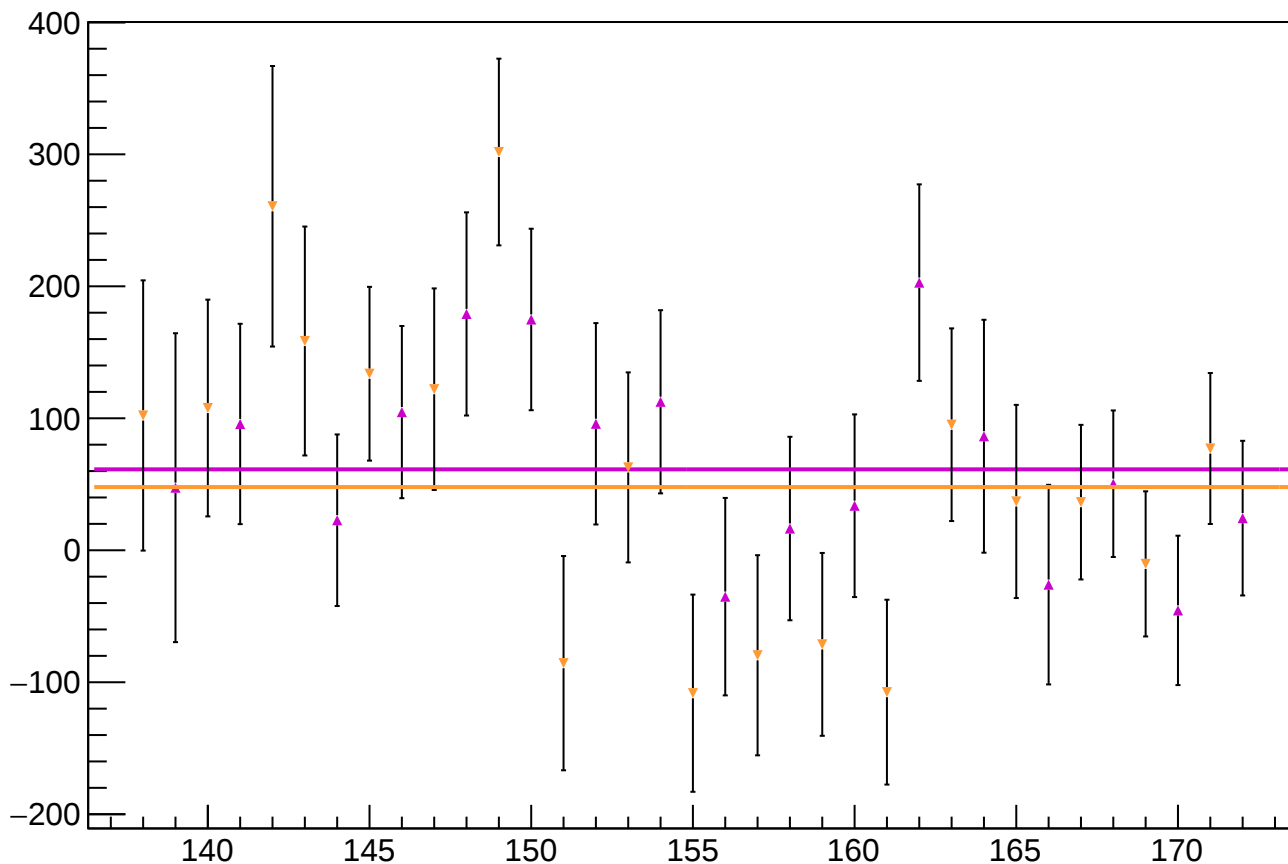
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 262.365+/-0.052 χ^2/NDF :1133172.9/16

Out: 269.676+/-0.053 χ^2/NDF :1203706.5/17

All: 265.954+/-0.037 χ^2/NDF : 2346472.3/34

reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 47.891 $\pm$ 16.952 χ^2 /NDF:41.7/17

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

Left In: 61.314 $\pm$ 16.941 χ^2 /NDF:18.1/16

Left: 54.607 $\pm$ 11.983 χ^2 /NDF: 60.1/34

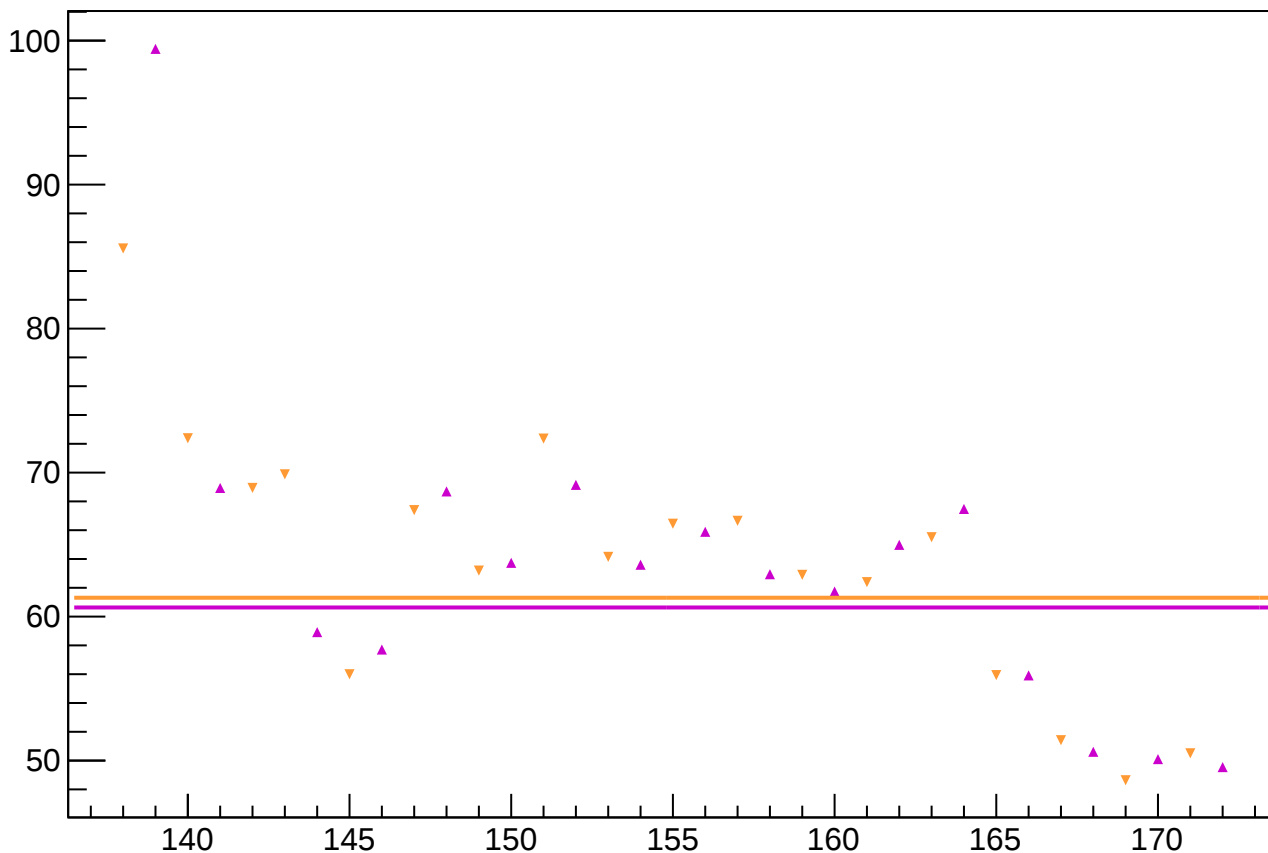
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 61.314 $\pm$ 16.941 χ^2 /NDF:18.1/16

Out: 47.891 $\pm$ 16.952 χ^2 /NDF:41.7/17

All: 54.607 $\pm$ 11.983 χ^2 /NDF: 60.1/34

reg_asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 61.310+/-0.012 χ^2/NDF : 518890.4/17

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

Left In: 60.633+/-0.012 χ^2/NDF : 548961.1/16

Left: 60.971+/-0.008 χ^2/NDF : 1069446.8/34

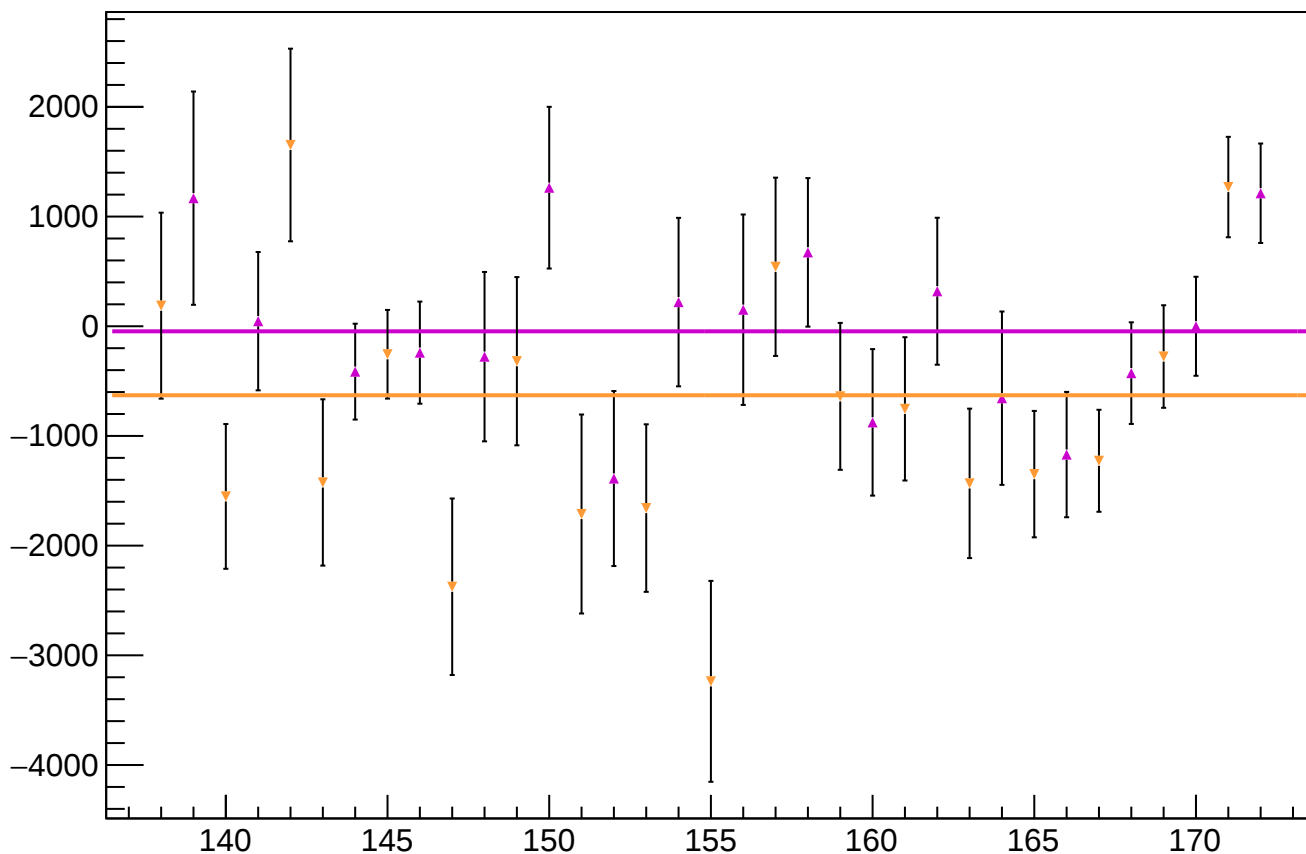
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 60.633+/-0.012 χ^2/NDF : 548961.1/16

Out: 61.310+/-0.012 χ^2/NDF : 518890.4/17

All: 60.971+/-0.008 χ^2/NDF : 1069446.8/34

asym_sam_3726_avg_correction_mean vs Slug, Sign Corrected



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

Left Out: -629.143+/-148.343 χ^2/NDF :52.3/17

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

Left In: -46.151+/-145.429 χ^2/NDF :24.5/16

Left: -331.864+/-103.849 χ^2/NDF : 84.7/34

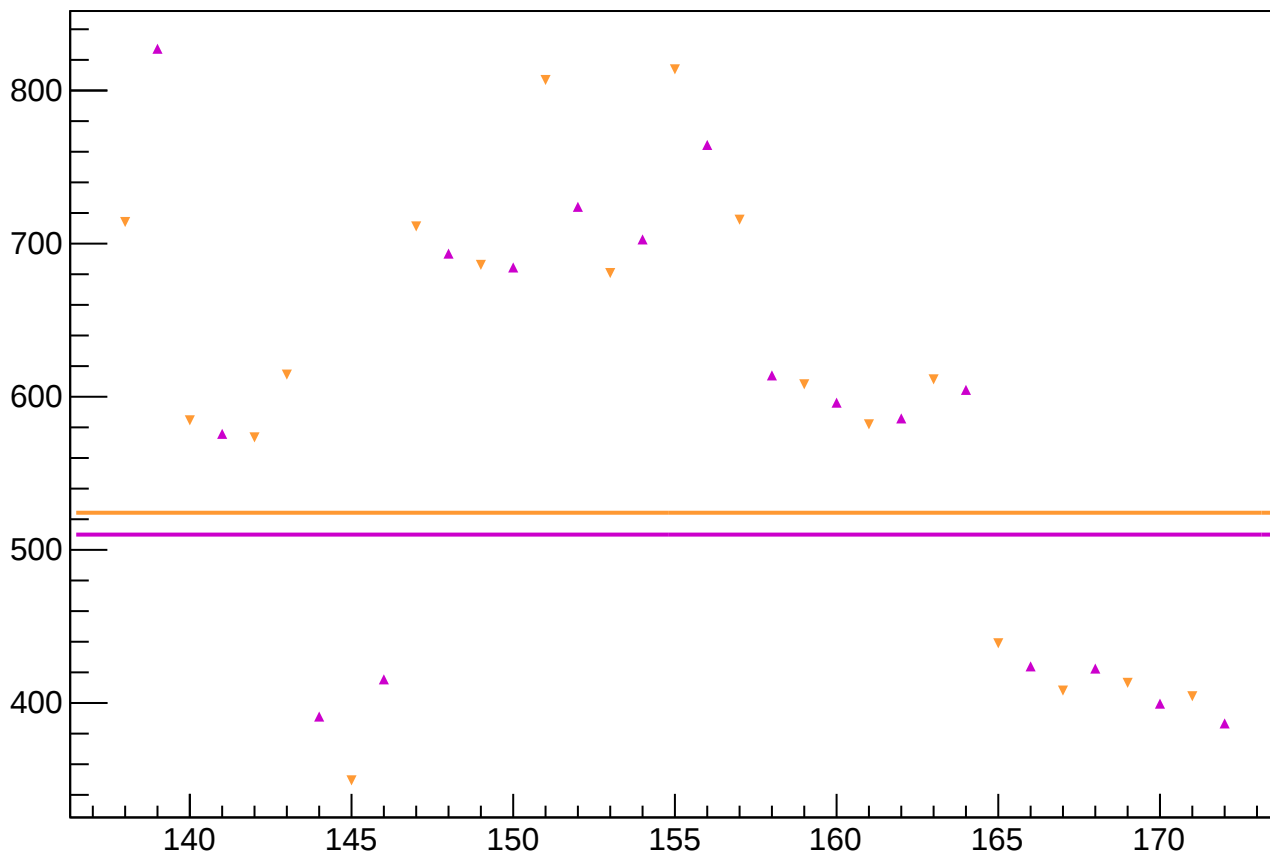
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -46.151+/-145.429 χ^2/NDF :24.5/16

Out: -629.143+/-148.343 χ^2/NDF :52.3/17

All: -331.864+/-103.849 χ^2/NDF : 84.7/34

asym_sam_3726_avg_correction_rms vs Slug, Sign Corrected



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

Left Out: 524.252+/-0.105 χ^2/NDF :1810134.5/17

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

Left In: 509.972+/-0.103 χ^2/NDF :1651065.0/16

Left: 516.971+/-0.073 χ^2/NDF : 3470650.2/34

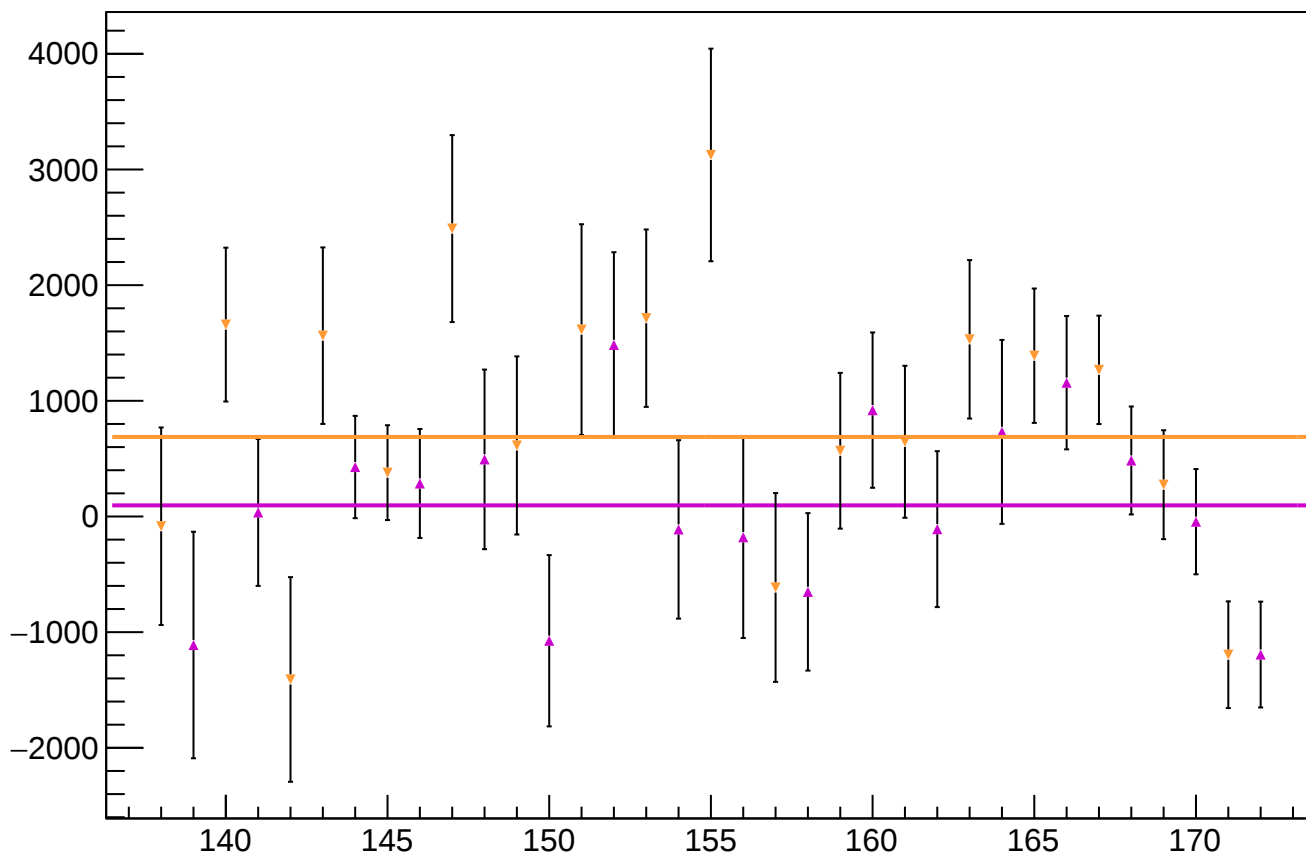
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 509.972+/-0.103 χ^2/NDF :1651065.0/16

Out: 524.252+/-0.105 χ^2/NDF :1810134.5/17

All: 516.971+/-0.073 χ^2/NDF : 3470650.2/34

asym_sam_3726_avg_mean vs Slug, Sign Corrected



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

Left Out: 687.921+/-149.466 χ^2/NDF :49.8/17

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

Left In: 96.194+/-146.576 χ^2/NDF :23.7/16

Left: 386.280+/-104.652 χ^2/NDF : 81.5/34

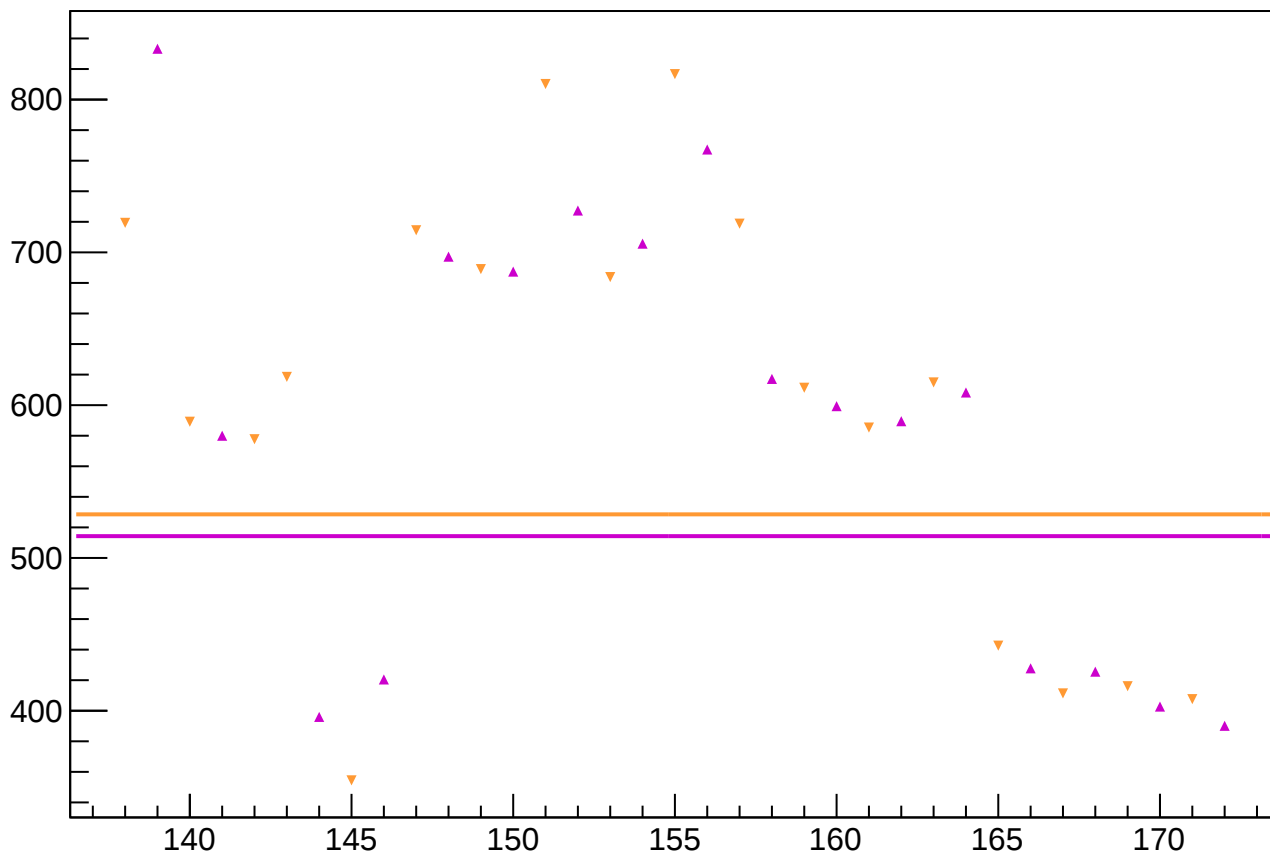
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 96.194+/-146.576 χ^2/NDF :23.7/16

Out: 687.921+/-149.466 χ^2/NDF :49.8/17

All: 386.280+/-104.652 χ^2/NDF : 81.5/34

asym_sam_3726_avg_rms vs Slug, Sign Corrected



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

Left Out: 528.537+/-0.106 χ^2/NDF :1779633.4/17

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

Left In: 514.277+/-0.104 χ^2/NDF :1625142.1/16

Left: 521.268+/-0.074 χ^2/NDF : 3414056.4/34

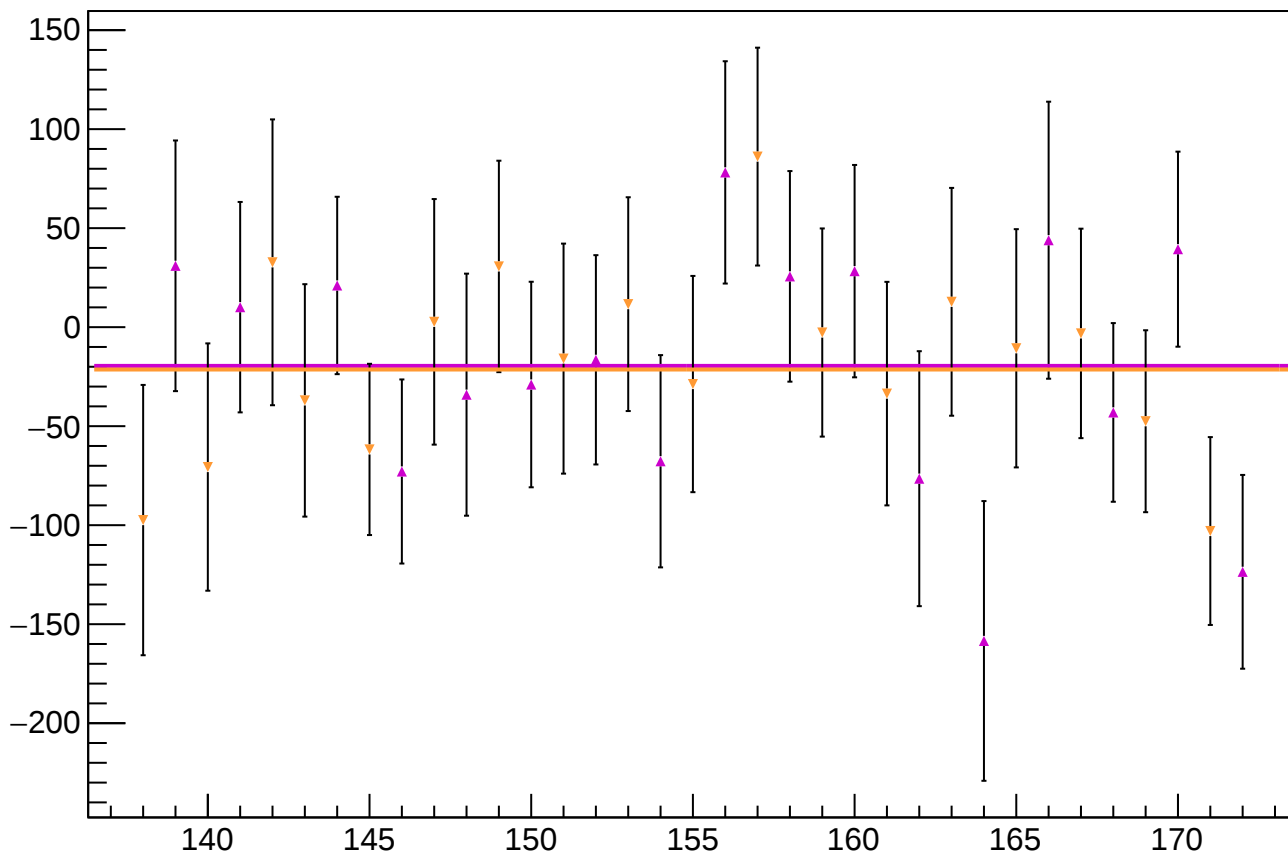
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 514.277+/-0.104 χ^2/NDF :1625142.1/16

Out: 528.537+/-0.106 χ^2/NDF :1779633.4/17

All: 521.268+/-0.074 χ^2/NDF : 3414056.4/34

reg_asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -21.386+/-12.981 χ^2/NDF :12.6/17

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

Left In: -19.561+/-13.023 χ^2/NDF :20.2/16

Left: -20.477+/-9.194 χ^2/NDF : 32.9/34

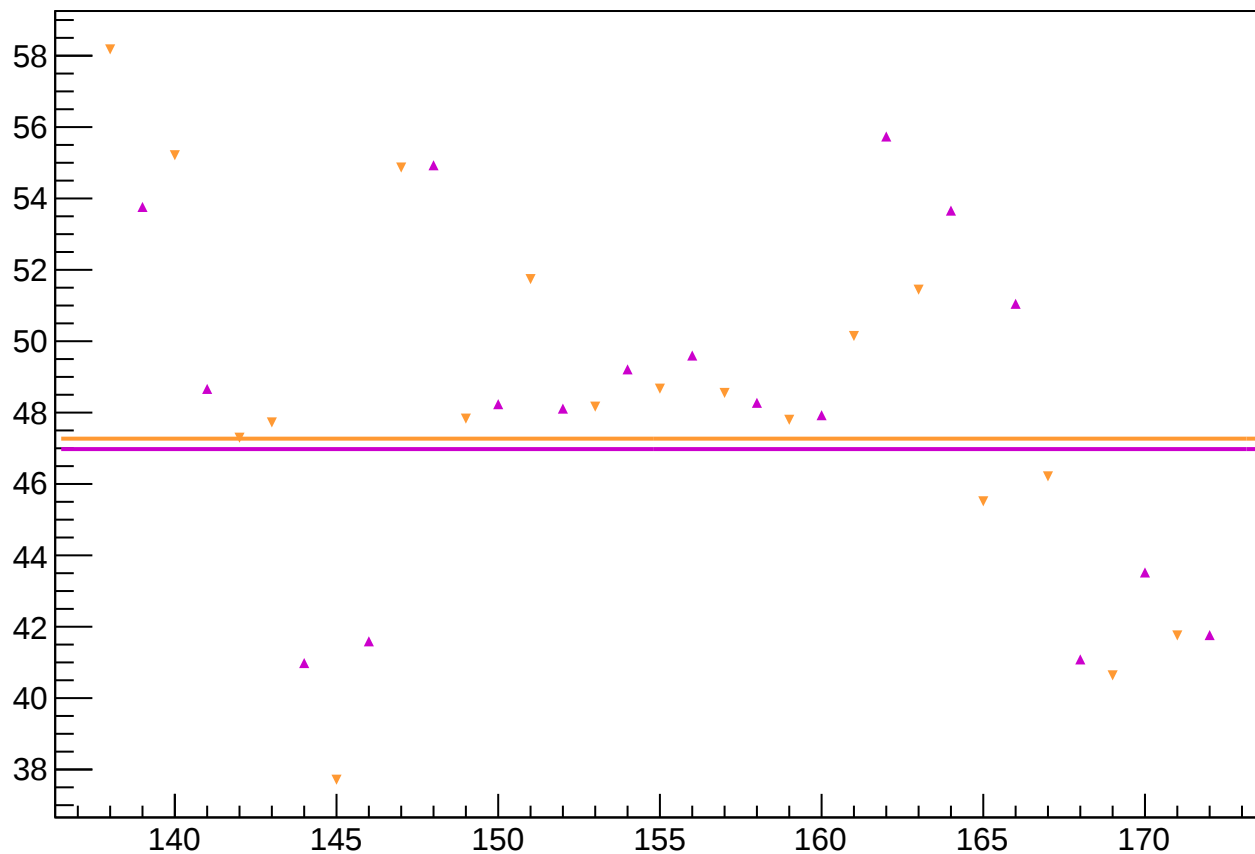
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.561+/-13.023 χ^2/NDF :20.2/16

Out: -21.386+/-12.981 χ^2/NDF :12.6/17

All: -20.477+/-9.194 χ^2/NDF : 32.9/34

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 47.270+/-0.009 χ^2/NDF :313381.2/17

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

Left In: 46.977+/-0.009 χ^2/NDF :261640.0/16

Left: 47.124+/-0.007 χ^2/NDF : 575527.8/34

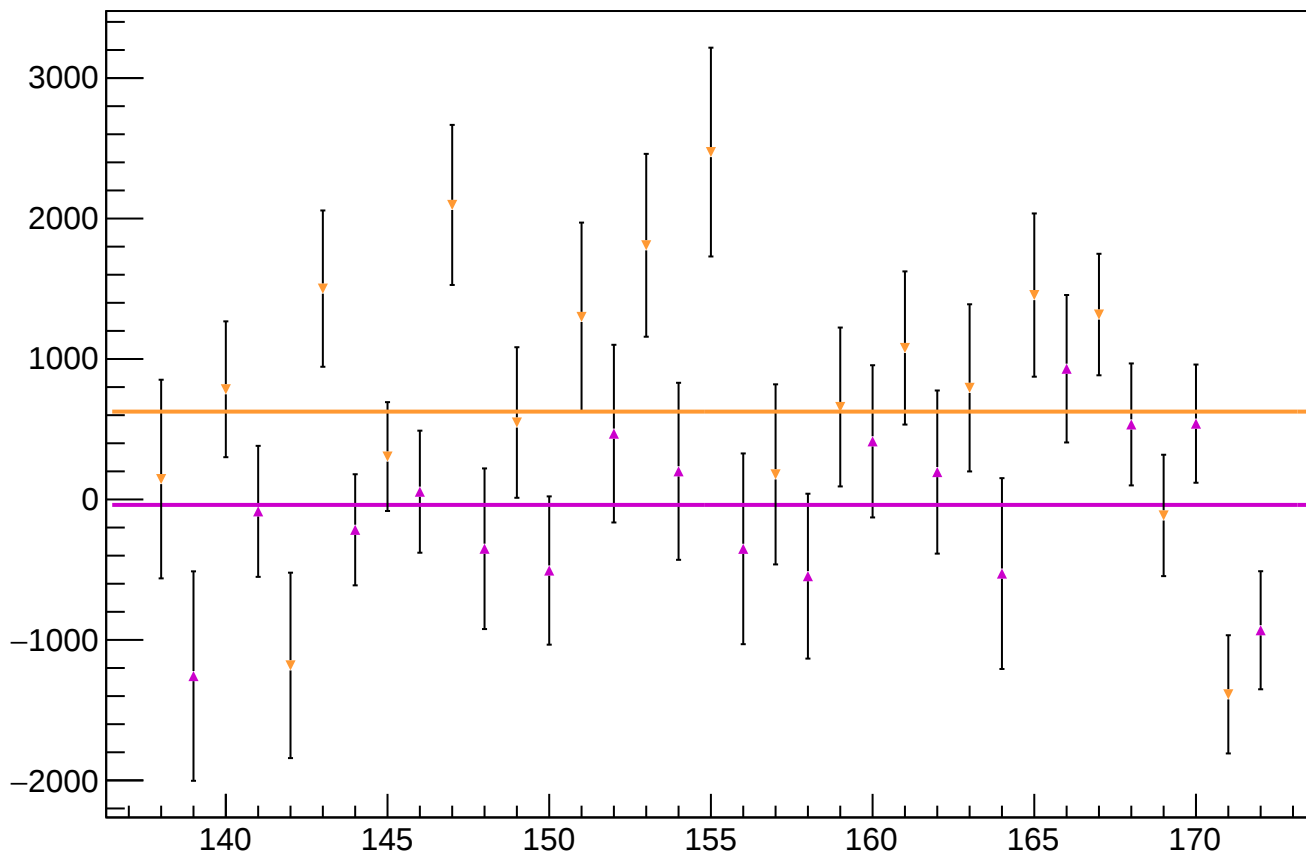
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 46.977+/-0.009 χ^2/NDF :261640.0/16

Out: 47.270+/-0.009 χ^2/NDF :313381.2/17

All: 47.124+/-0.007 χ^2/NDF : 575527.8/34

asym_sam_15_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 625.485+/-126.528 χ^2/NDF :60.1/17

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

Left In: -38.799+/-125.390 χ^2/NDF :18.7/16

Left: 290.343+/-89.064 χ^2/NDF : 92.7/34

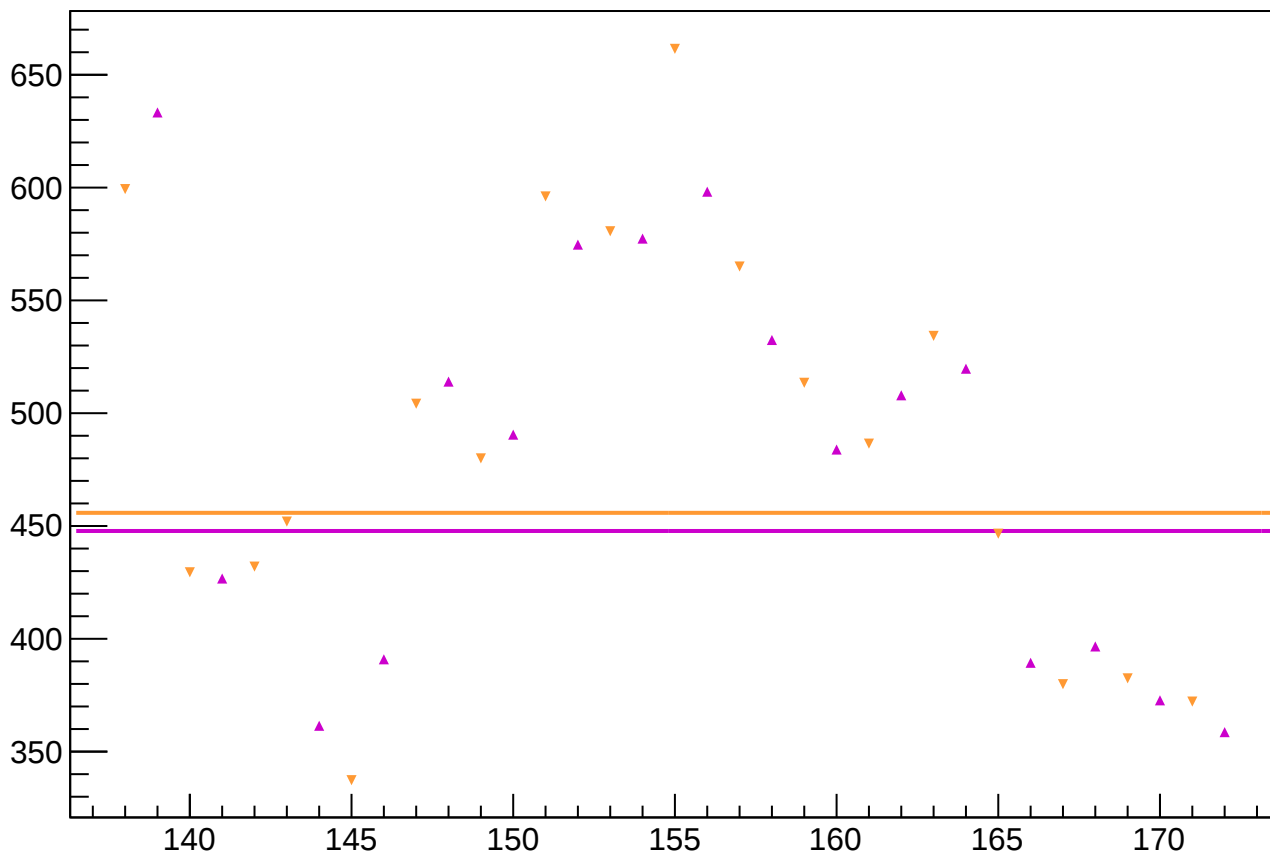
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.799+/-125.390 χ^2/NDF :18.7/16

Out: 625.485+/-126.528 χ^2/NDF :60.1/17

All: 290.343+/-89.064 χ^2/NDF : 92.7/34

asym_sam_15_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 455.838+/-0.089 χ^2/NDF : 929125.2/17

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

Left In: 447.791+/-0.089 χ^2/NDF : 861226.6/16

Left: 451.778+/-0.063 χ^2/NDF : 1794432.4/34

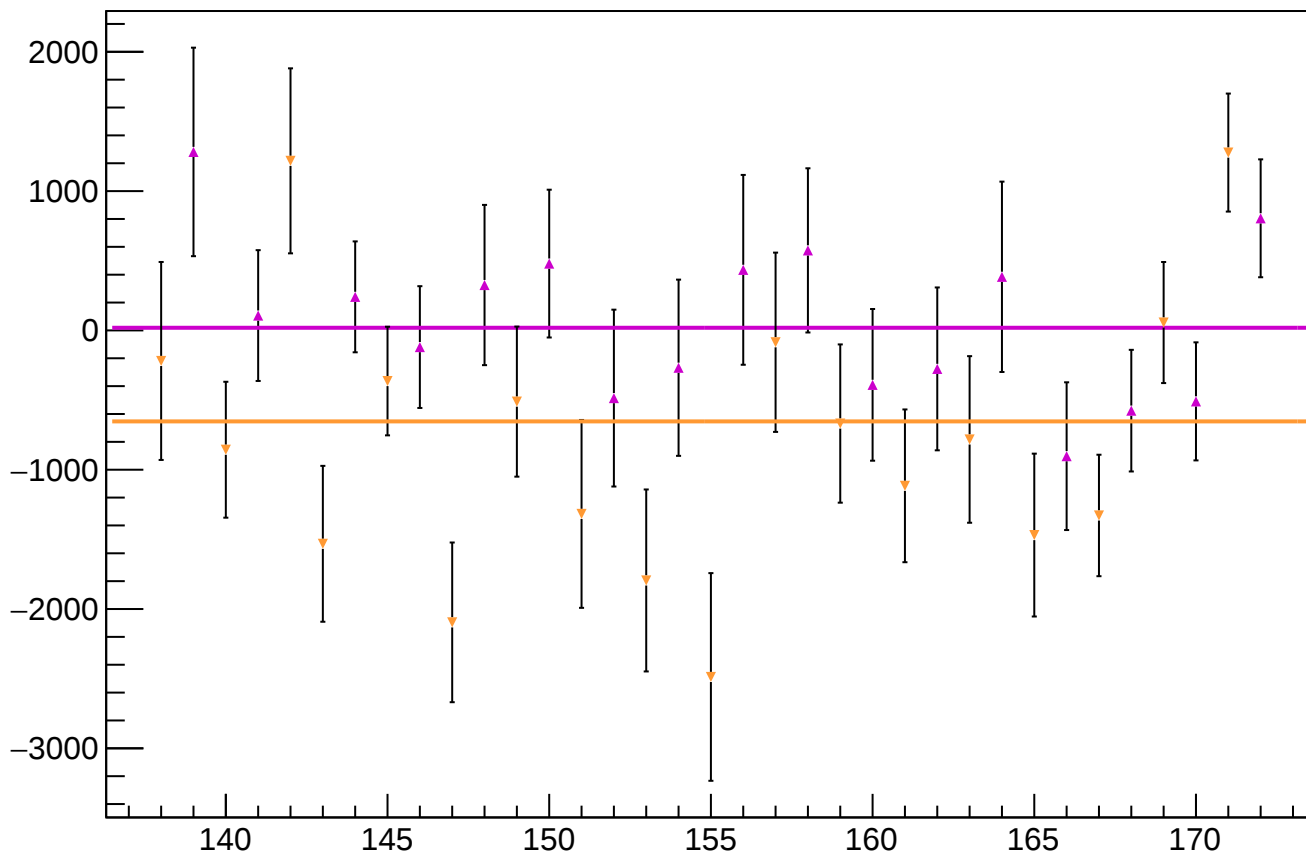
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 447.791+/-0.089 χ^2/NDF : 861226.6/16

Out: 455.838+/-0.089 χ^2/NDF : 929125.2/17

All: 451.778+/-0.063 χ^2/NDF : 1794432.4/34

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -653.137+/-127.260 χ^2/NDF :57.3/17

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

Left In: 18.974+/-126.133 χ^2/NDF :17.4/16

Left: -314.092+/-89.585 χ^2/NDF : 88.8/34

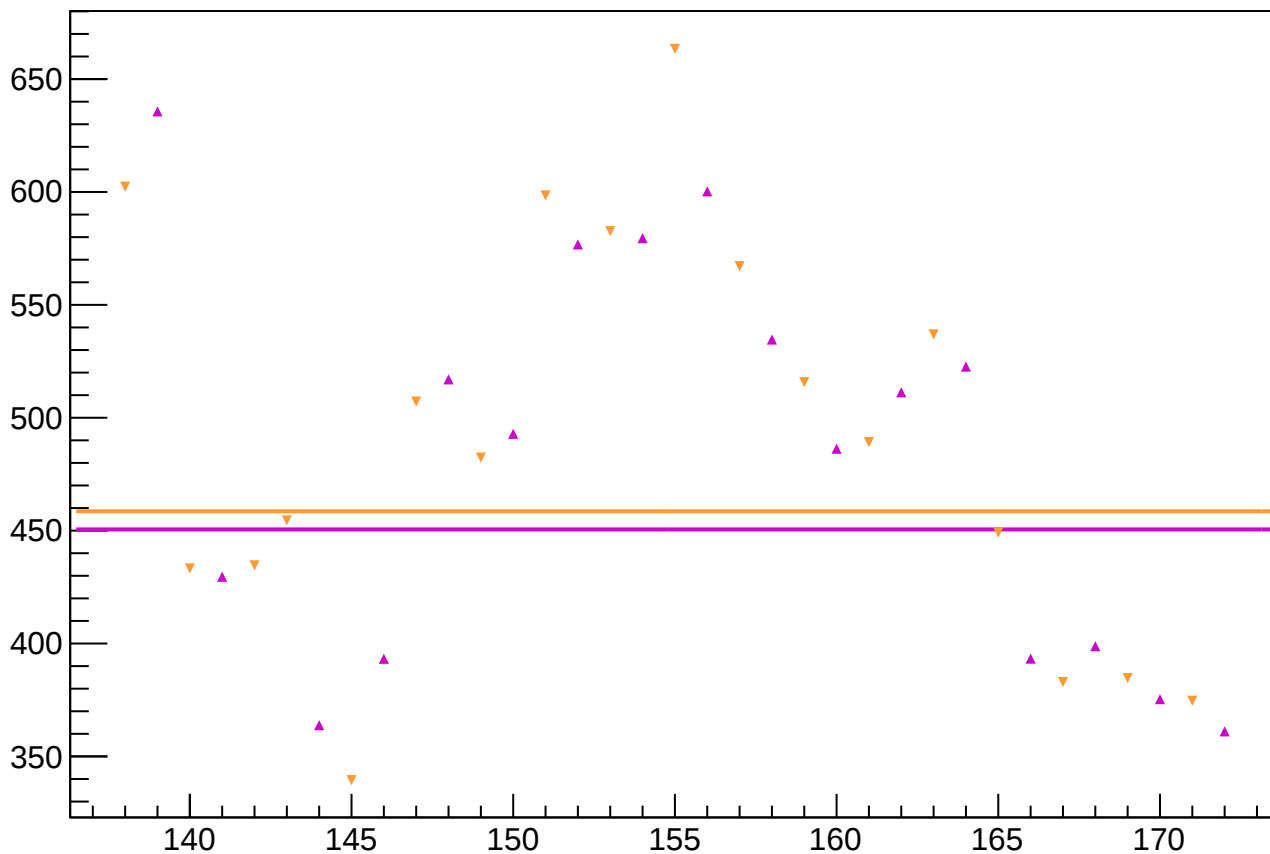
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 18.974+/-126.133 χ^2/NDF :17.4/16

Out: -653.137+/-127.260 χ^2/NDF :57.3/17

All: -314.092+/-89.585 χ^2/NDF : 88.8/34

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 458.576+/-0.090 χ^2 /NDF:918978.7/17

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

Left In: 450.543+/-0.089 χ^2 /NDF:850938.7/16

Left: 454.524+/-0.063 χ^2 /NDF: 1773937.6/34

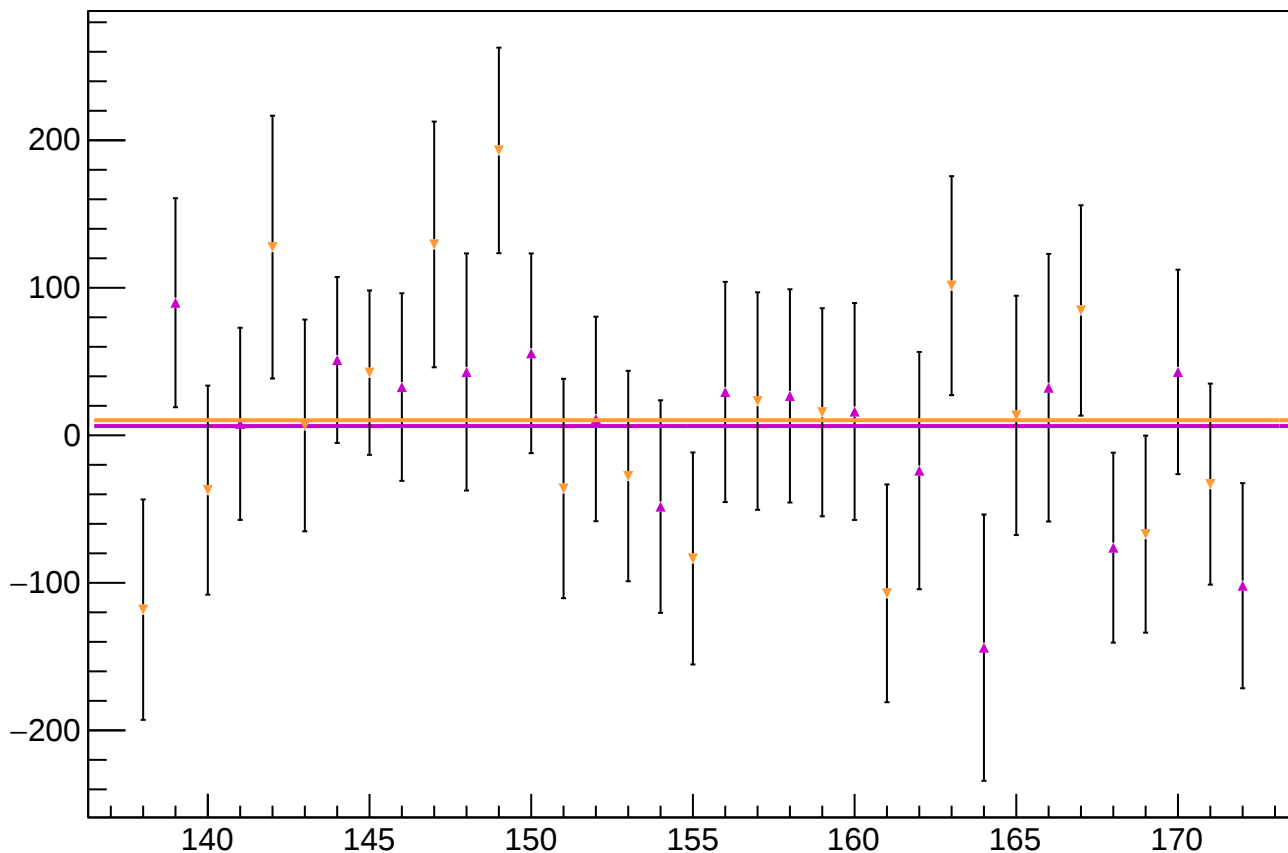
Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0

In: 450.543+/-0.089 χ^2 /NDF:850938.7/16

Out: 458.576+/-0.090 χ^2 /NDF:918978.7/17

All: 454.524+/-0.063 χ^2 /NDF: 1773937.6/34

reg_asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: 10.222 $\pm$ 16.951 χ^2 /NDF:23.7/17

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

Left In: 6.269 $\pm$ 17.192 χ^2 /NDF:11.0/16

Left: 8.273 $\pm$ 12.071 χ^2 /NDF: 34.8/34

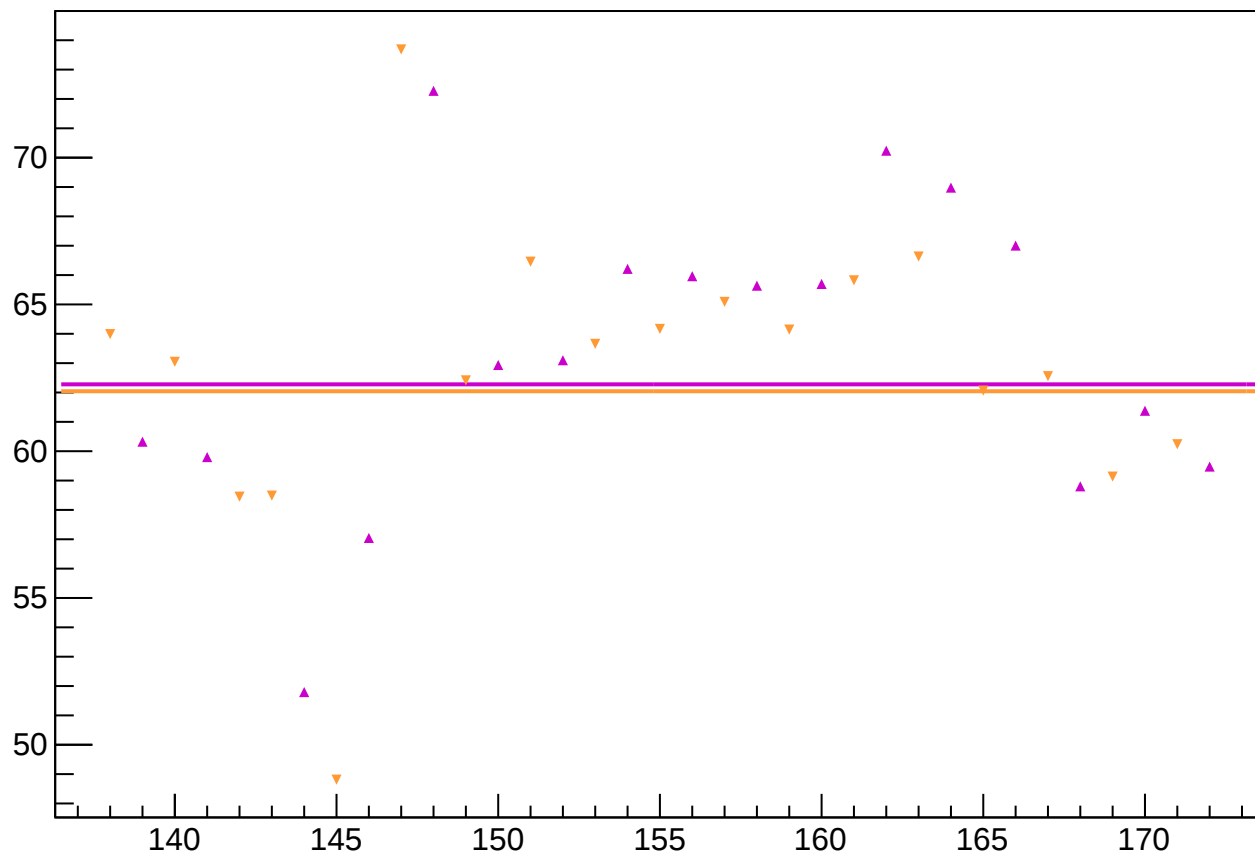
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 6.269 $\pm$ 17.192 χ^2 /NDF:11.0/16

Out: 10.222 $\pm$ 16.951 χ^2 /NDF:23.7/17

All: 8.273 $\pm$ 12.071 χ^2 /NDF: 34.8/34

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 62.042+/-0.012 χ^2/NDF :195009.0/17

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

Left In: 62.278+/-0.012 χ^2/NDF :183852.4/16

Left: 62.158+/-0.009 χ^2/NDF : 379051.3/34

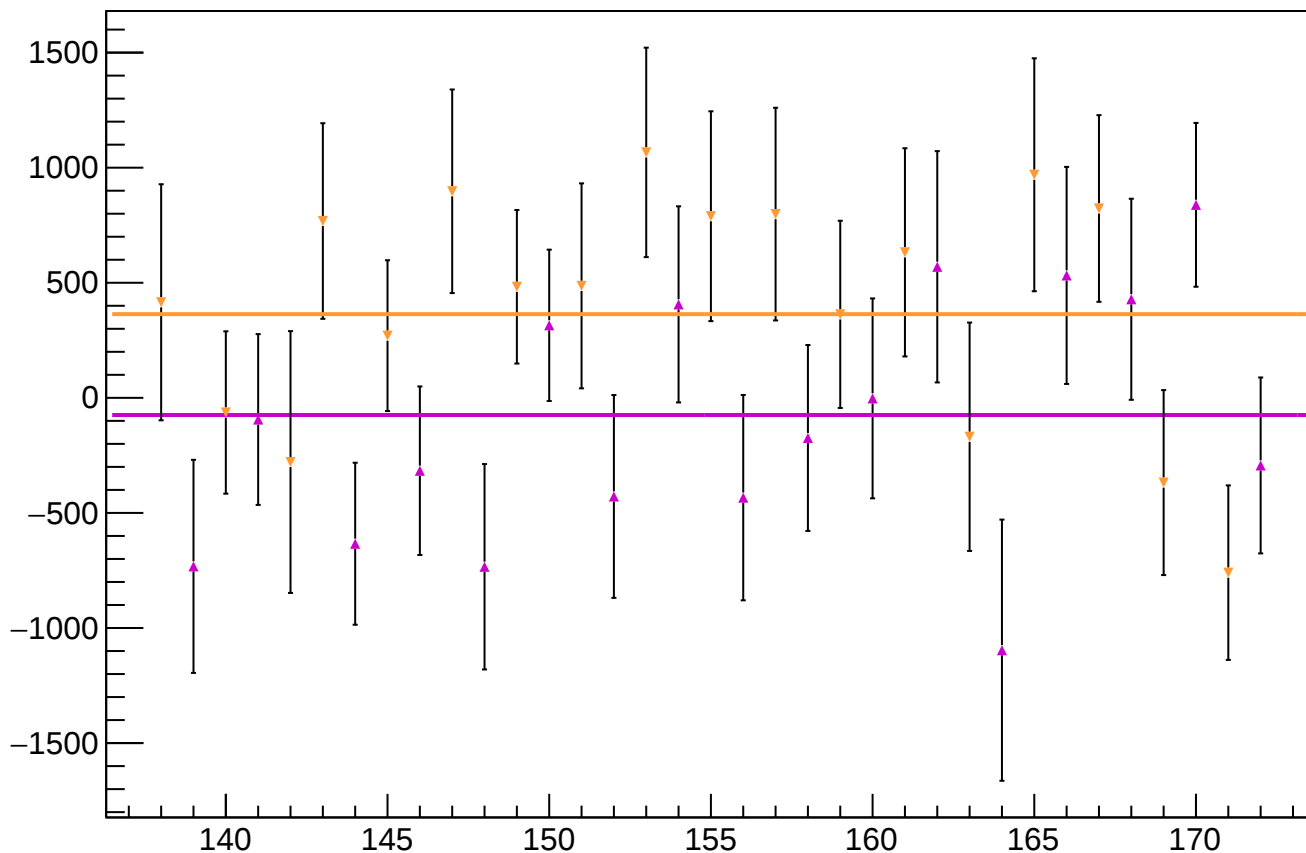
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 62.278+/-0.012 χ^2/NDF :183852.4/16

Out: 62.042+/-0.012 χ^2/NDF :195009.0/17

All: 62.158+/-0.009 χ^2/NDF : 379051.3/34

asym_sam_37_48_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 363.588+/-99.310 χ^2/NDF :25.9/17

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

Left In: -74.508+/-99.800 χ^2/NDF :26.0/16

Left: 145.618+/-70.395 χ^2/NDF : 61.5/34

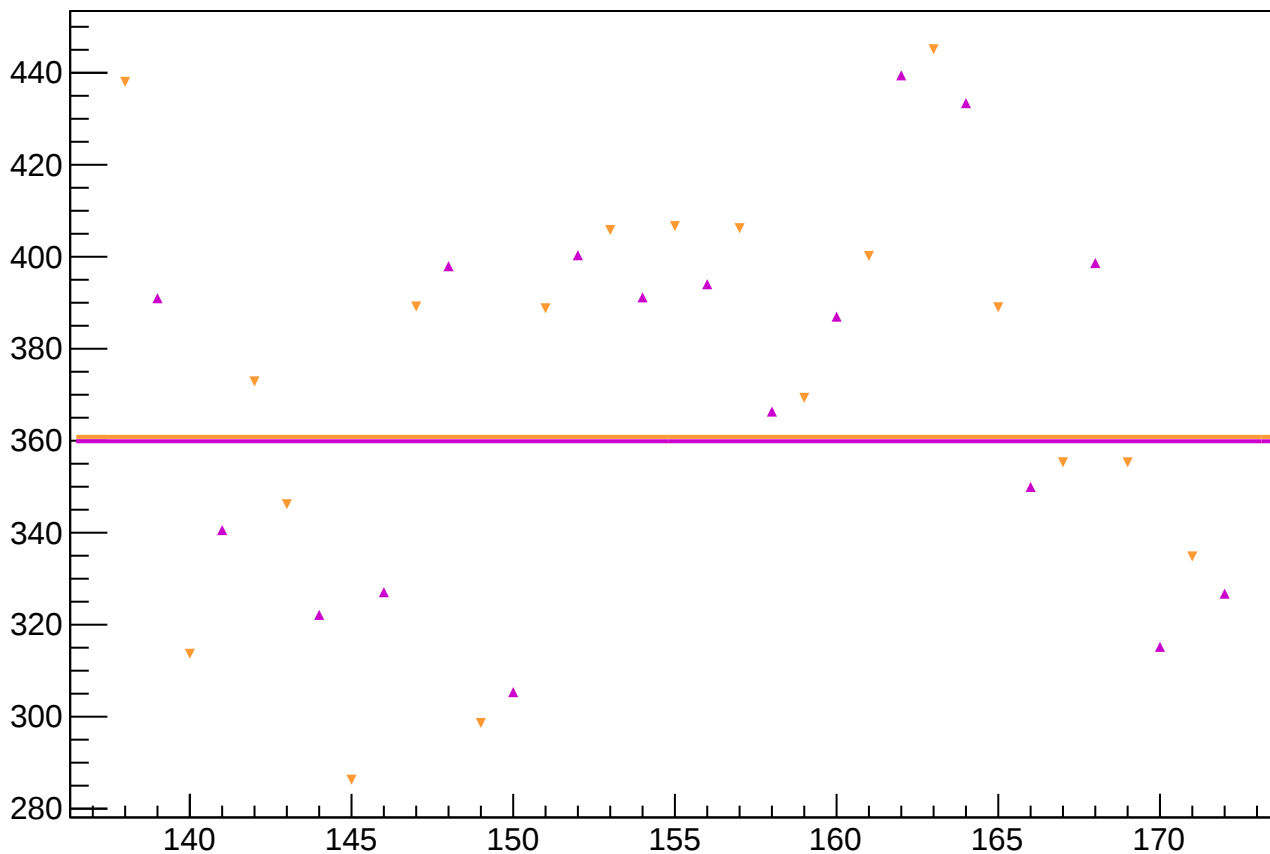
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -74.508+/-99.800 χ^2/NDF :26.0/16

Out: 363.588+/-99.310 χ^2/NDF :25.9/17

All: 145.618+/-70.395 χ^2/NDF : 61.5/34

asym_sam_37_48_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 360.834+/-0.070 χ^2/NDF :422718.9/17

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

Left In: 359.880+/-0.071 χ^2/NDF :317739.7/16

Left: 360.360+/-0.050 χ^2/NDF : 740550.4/34

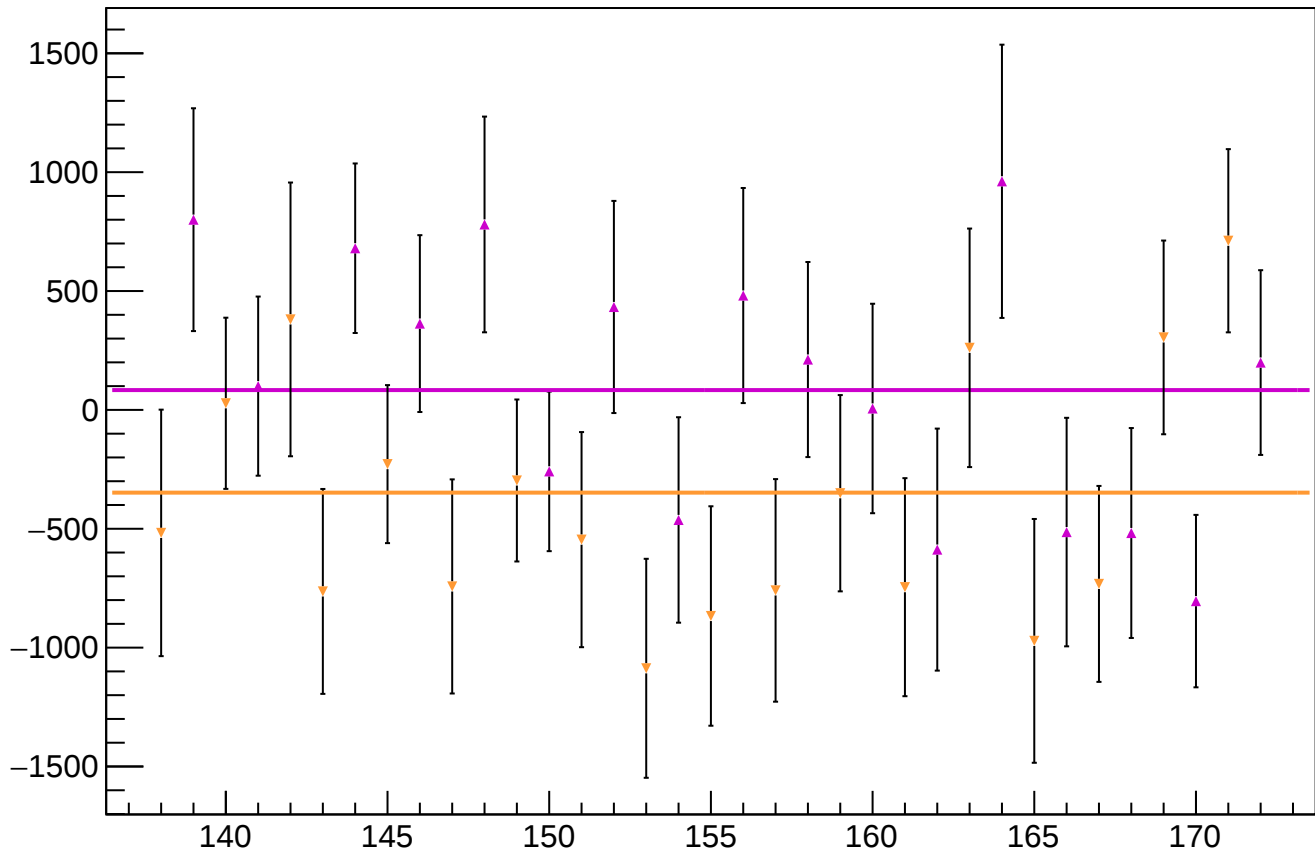
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 359.880+/-0.071 χ^2/NDF :317739.7/16

Out: 360.834+/-0.070 χ^2/NDF :422718.9/17

All: 360.360+/-0.050 χ^2/NDF : 740550.4/34

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



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

Left Out: -348.007 $\pm$ 100.842 χ^2 /NDF:24.2/17

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

Left In: 83.371 $\pm$ 101.351 χ^2 /NDF:25.8/16

Left: -133.403 $\pm$ 71.485 χ^2 /NDF: 59.0/34

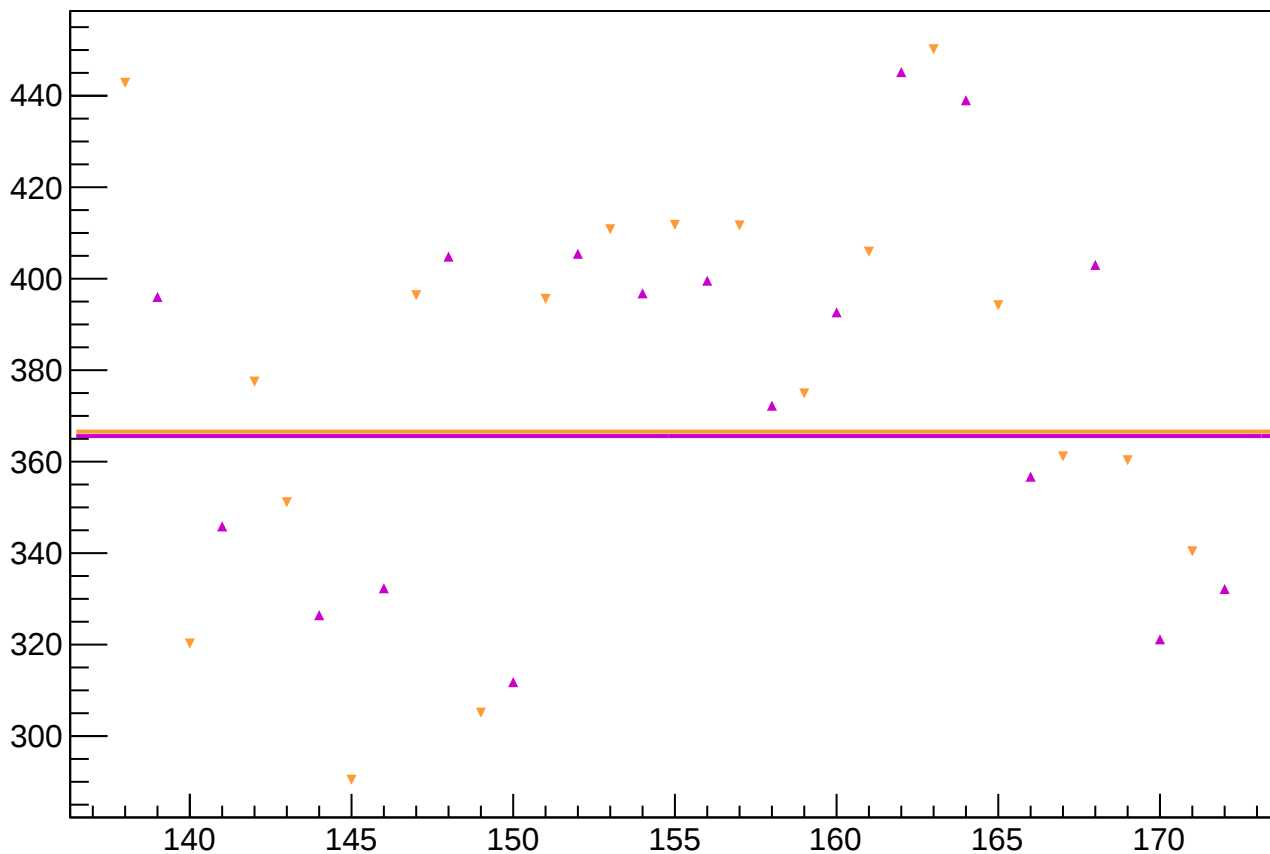
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 83.371 $\pm$ 101.351 χ^2 /NDF:25.8/16

Out: -348.007 $\pm$ 100.842 χ^2 /NDF:24.2/17

All: -133.403 $\pm$ 71.485 χ^2 /NDF: 59.0/34

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



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

Left Out: 366.566+/-0.071 χ^2/NDF : 409688.0/17

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

Left In: 365.595+/-0.072 χ^2/NDF : 307534.4/16

Left: 366.083+/-0.051 χ^2/NDF : 717314.7/34

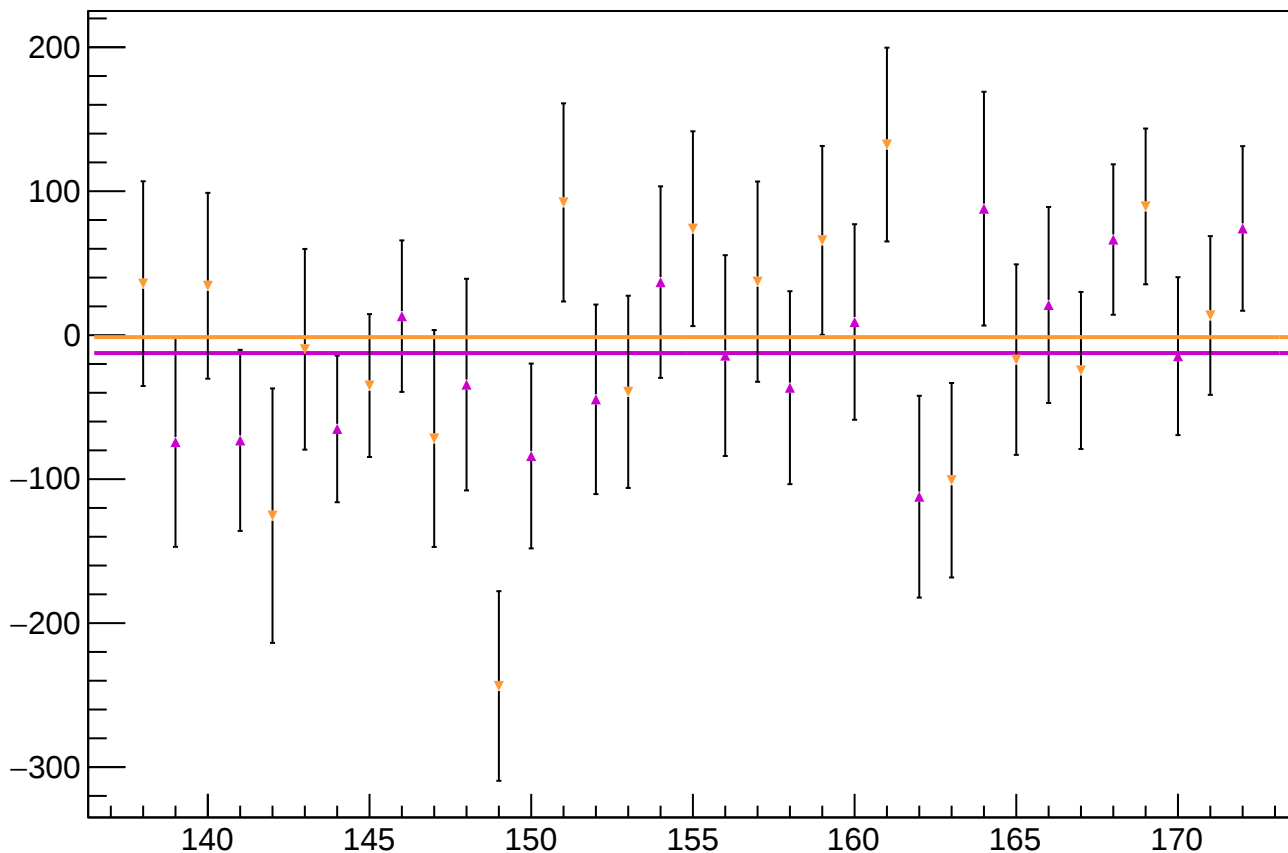
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 365.595+/-0.072 χ^2/NDF : 307534.4/16

Out: 366.566+/-0.071 χ^2/NDF : 409688.0/17

All: 366.083+/-0.051 χ^2/NDF : 717314.7/34

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -1.354+/-15.157 χ^2/NDF :31.4/17

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

Left In: -12.418+/-15.261 χ^2/NDF :13.7/16

Left: -6.848+/-10.754 χ^2/NDF : 45.4/34

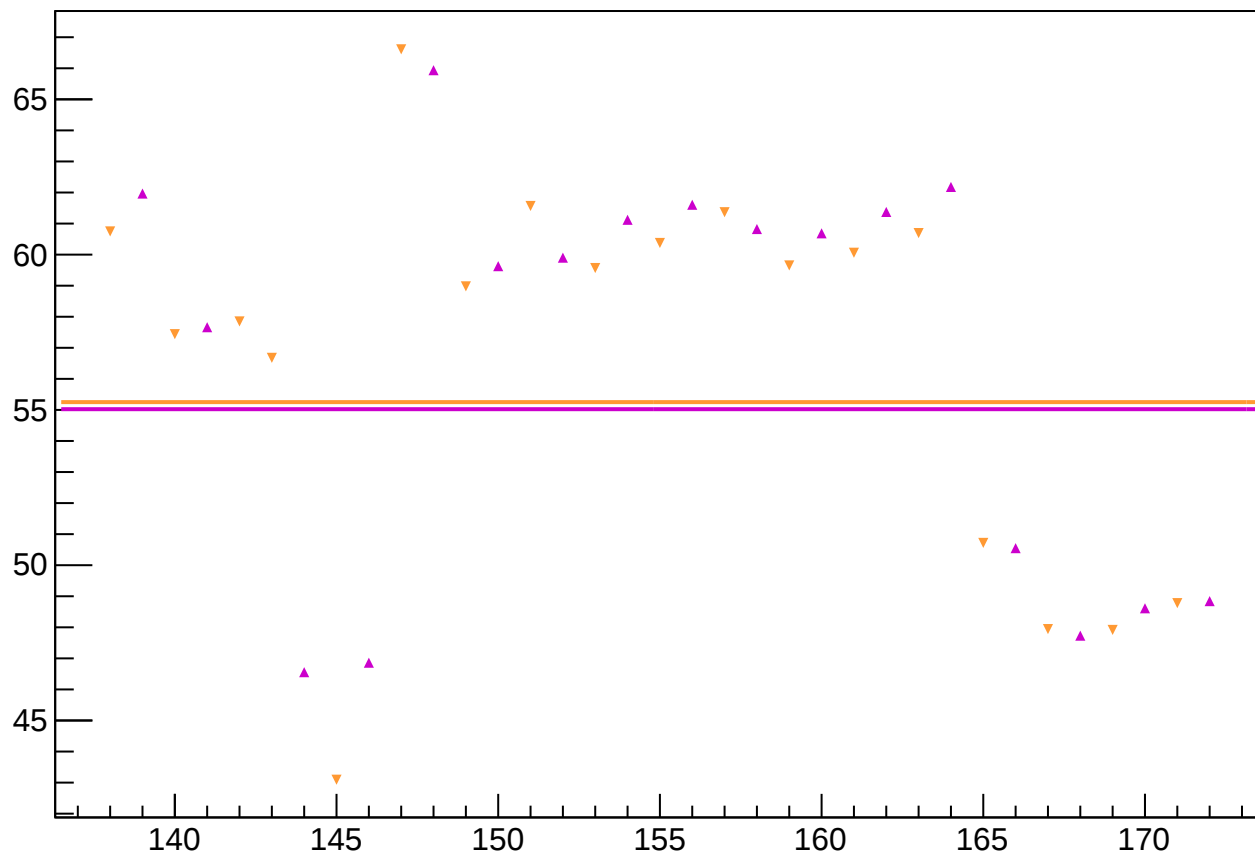
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -12.418+/-15.261 χ^2/NDF :13.7/16

Out: -1.354+/-15.157 χ^2/NDF :31.4/17

All: -6.848+/-10.754 χ^2/NDF : 45.4/34

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 55.251+/-0.011 χ^2/NDF :382742.9/17

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

Left In: 55.023+/-0.011 χ^2/NDF :384309.5/16

Left: 55.138+/-0.008 χ^2/NDF : 767276.7/34

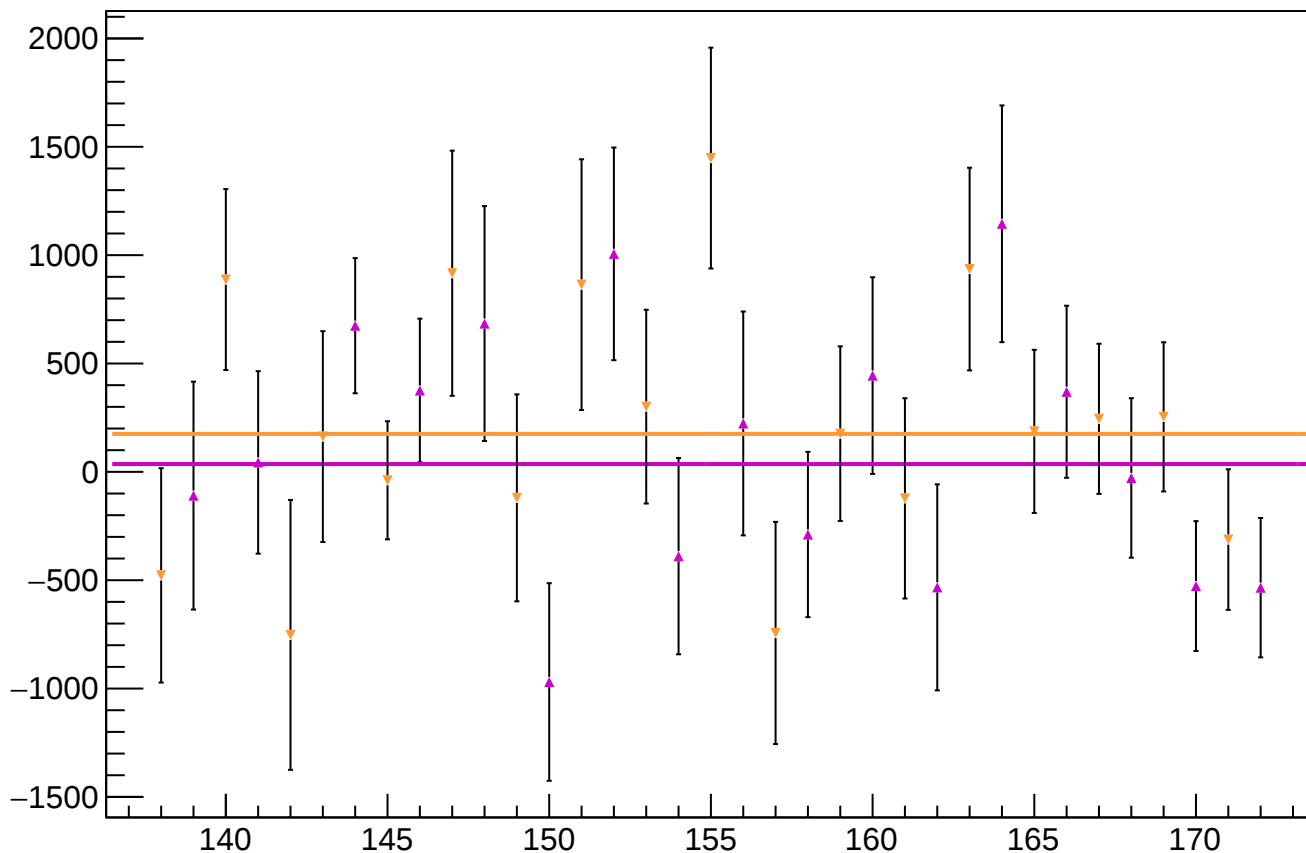
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 55.023+/-0.011 χ^2/NDF :384309.5/16

Out: 55.251+/-0.011 χ^2/NDF :382742.9/17

All: 55.138+/-0.008 χ^2/NDF : 767276.7/34

asym_sam_15_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: 175.152+/-99.018 χ^2/NDF :25.9/17

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

Left In: 36.024+/-98.211 χ^2/NDF :31.0/16

Left: 105.018+/-69.729 χ^2/NDF : 58.0/34

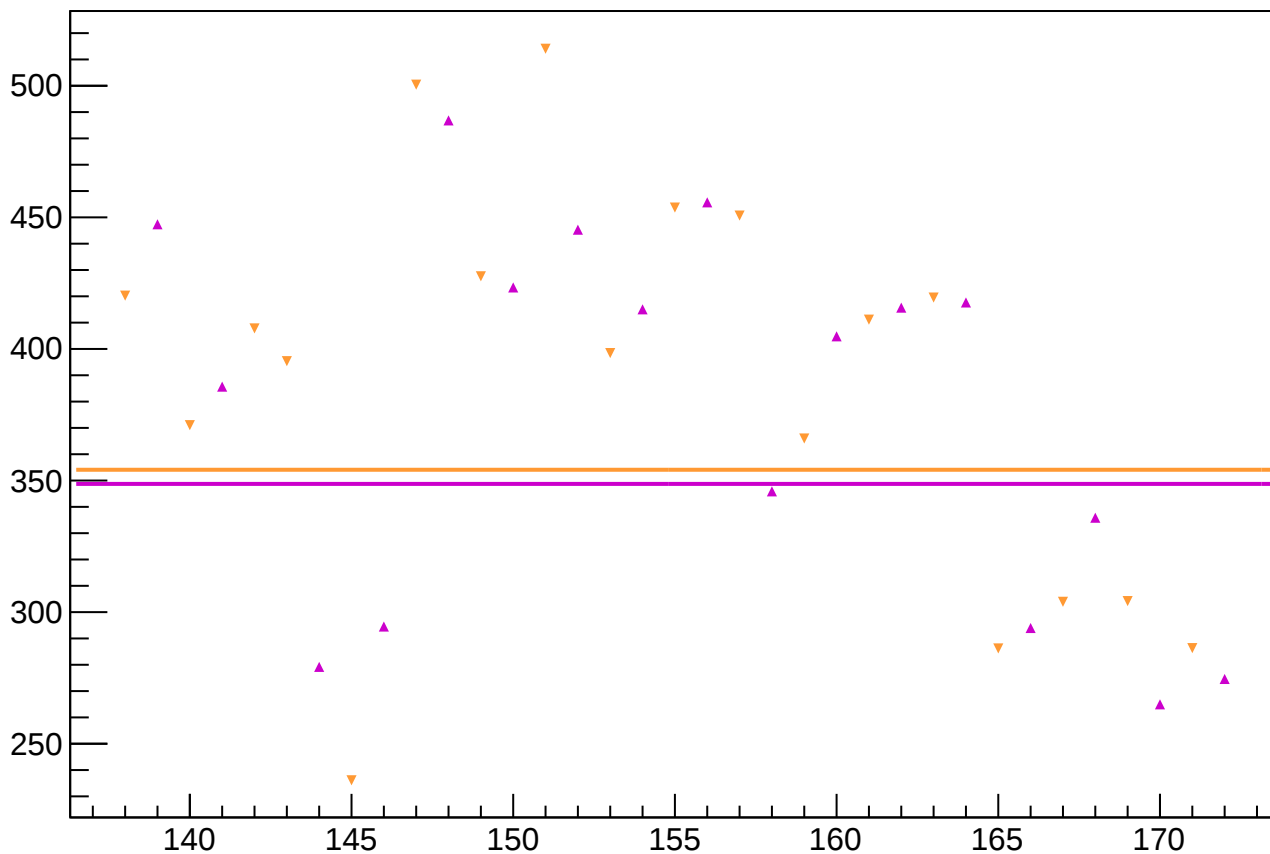
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 36.024+/-98.211 χ^2/NDF :31.0/16

Out: 175.152+/-99.018 χ^2/NDF :25.9/17

All: 105.018+/-69.729 χ^2/NDF : 58.0/34

asym_sam_15_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 354.098+/-0.070 χ^2/NDF :1252139.0/17

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

Left In: 348.722+/-0.069 χ^2/NDF :1033568.0/16

Left: 351.388+/-0.049 χ^2/NDF : 2288678.2/34

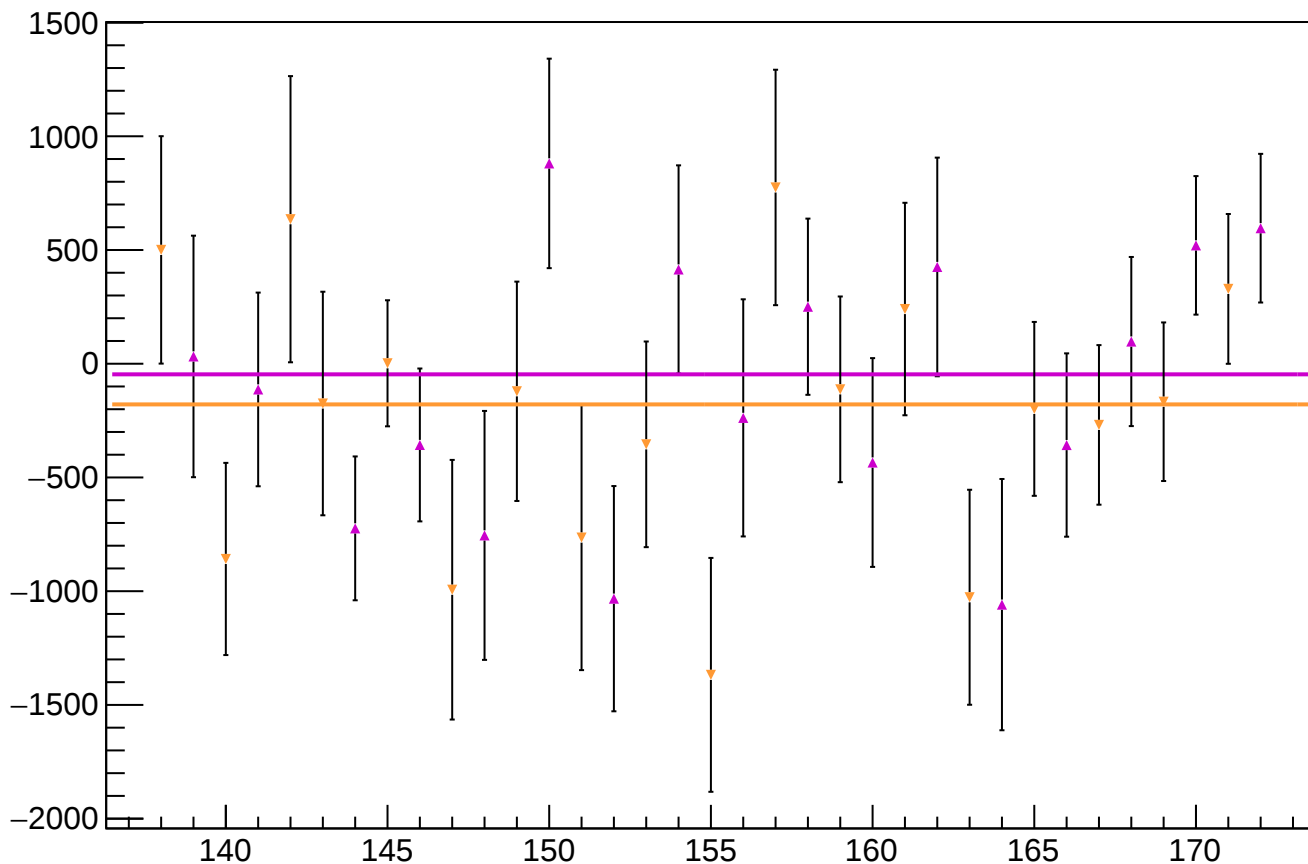
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 348.722+/-0.069 χ^2/NDF :1033568.0/16

Out: 354.098+/-0.070 χ^2/NDF :1252139.0/17

All: 351.388+/-0.049 χ^2/NDF : 2288678.2/34

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



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

Left Out: -178.810+/-100.246 χ^2/NDF :25.0/17

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

Left In: -46.635+/-99.470 χ^2/NDF :30.0/16

Left: -112.209+/-70.609 χ^2/NDF : 55.9/34

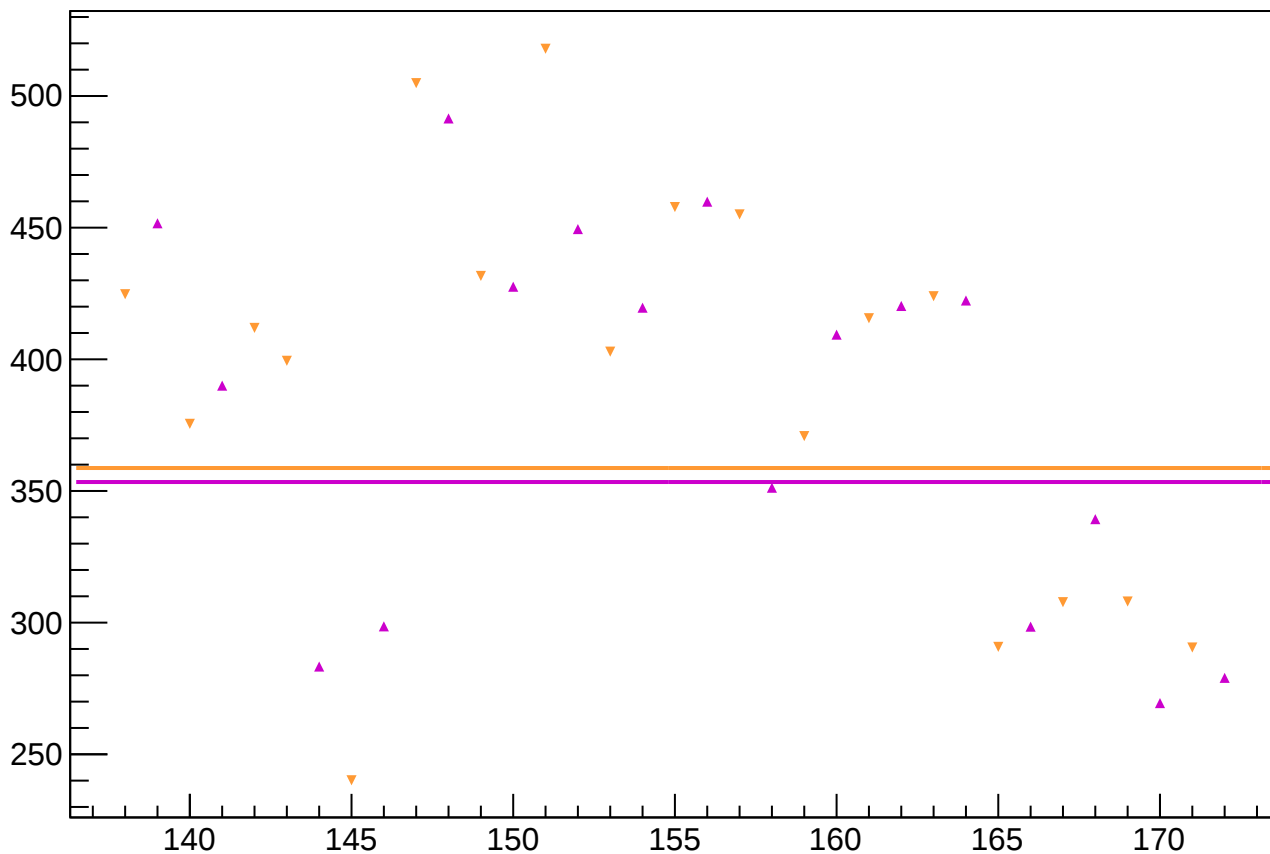
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -46.635+/-99.470 χ^2/NDF :30.0/16

Out: -178.810+/-100.246 χ^2/NDF :25.0/17

All: -112.209+/-70.609 χ^2/NDF : 55.9/34

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 358.720+/-0.071 χ^2/NDF :1224243.0/17

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

Left In: 353.400+/-0.070 χ^2/NDF :1009813.3/16

Left: 356.040+/-0.050 χ^2/NDF : 2236894.8/34

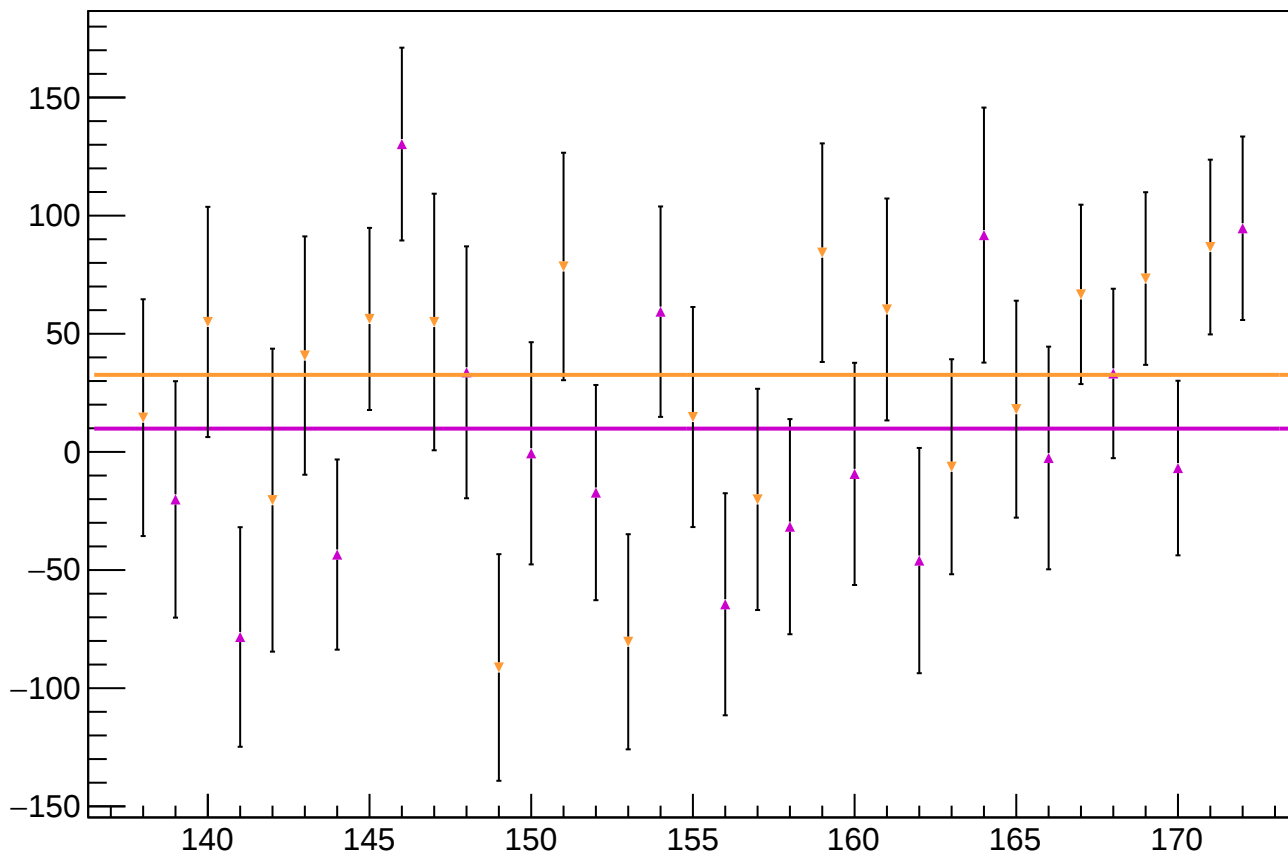
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 353.400+/-0.070 χ^2/NDF :1009813.3/16

Out: 358.720+/-0.071 χ^2/NDF :1224243.0/17

All: 356.040+/-0.050 χ^2/NDF : 2236894.8/34

reg_asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 32.612 $\pm$ 10.668 χ^2 /NDF:23.4/17

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

Left In: 9.858 $\pm$ 10.742 χ^2 /NDF:28.9/16

Left: 21.314 $\pm$ 7.569 χ^2 /NDF: 54.5/34

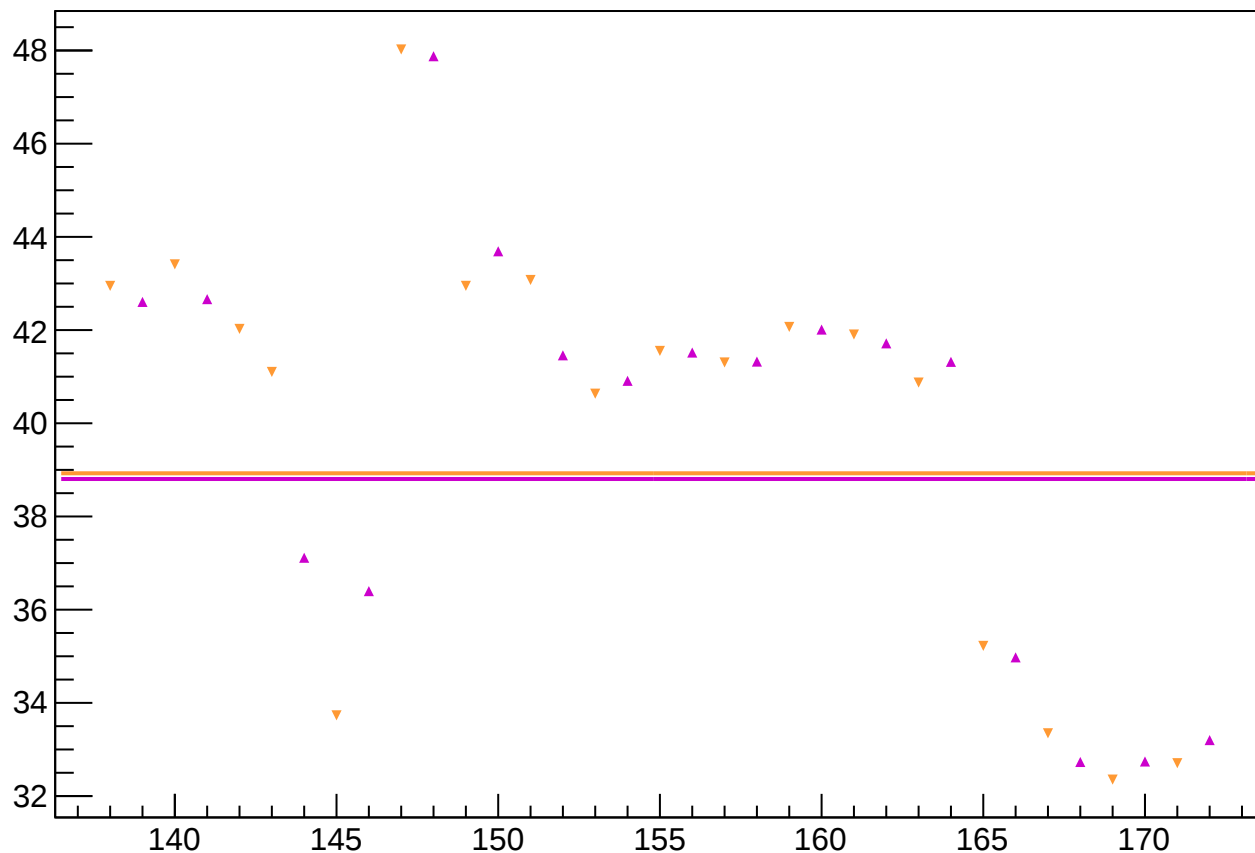
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 9.858 $\pm$ 10.742 χ^2 /NDF:28.9/16

Out: 32.612 $\pm$ 10.668 χ^2 /NDF:23.4/17

All: 21.314 $\pm$ 7.569 χ^2 /NDF: 54.5/34

reg_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 38.927+/-0.008 χ^2/NDF : 372419.5/17

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

Left In: 38.804+/-0.008 χ^2/NDF : 326560.8/16

Left: 38.866+/-0.005 χ^2/NDF : 699112.2/34

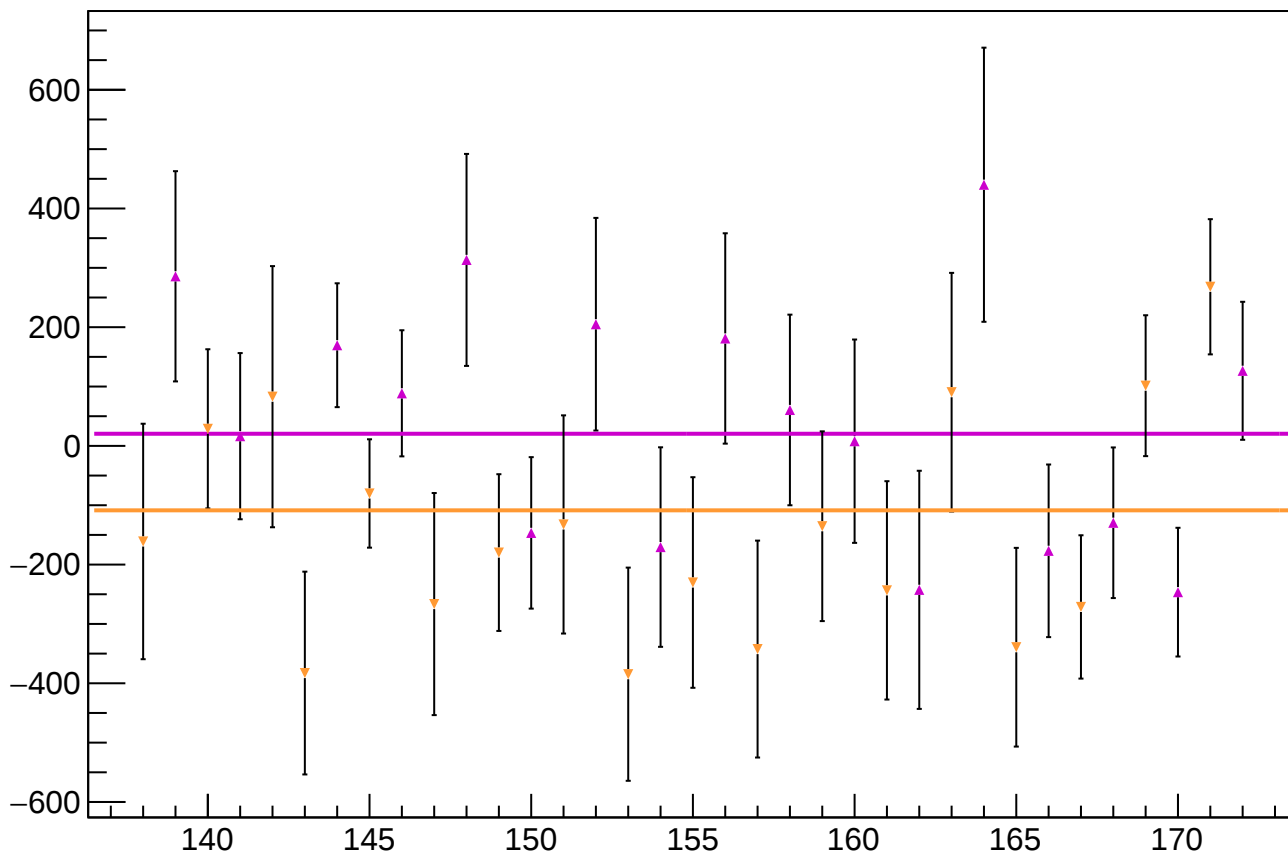
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 38.804+/-0.008 χ^2/NDF : 326560.8/16

Out: 38.927+/-0.008 χ^2/NDF : 372419.5/17

All: 38.866+/-0.005 χ^2/NDF : 699112.2/34

asym_sam_37_26_dd_correction_mean vs Slug, Sign Corrected



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

Left Out: -108.592+/-35.139 χ^2/NDF :29.4/17

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

Left In: 20.438+/-34.518 χ^2/NDF :27.5/16

Left: -42.926+/-24.624 χ^2/NDF : 63.7/34

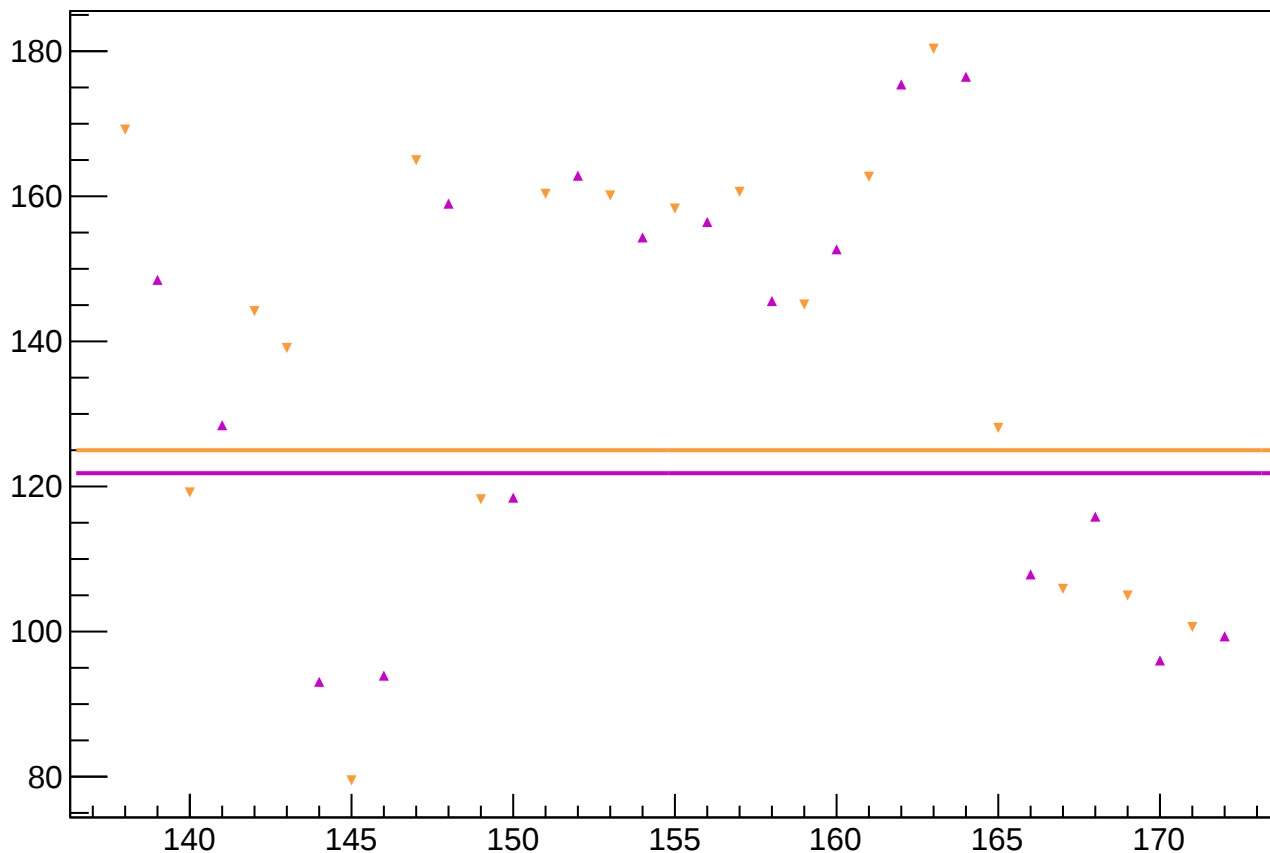
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 20.438+/-34.518 χ^2/NDF :27.5/16

Out: -108.592+/-35.139 χ^2/NDF :29.4/17

All: -42.926+/-24.624 χ^2/NDF : 63.7/34

asym_sam_37_26_dd_correction_rms vs Slug, Sign Corrected



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

Left Out: 124.997+/-0.025 χ^2/NDF :1488480.3/17

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

Left In: 121.832+/-0.024 χ^2/NDF :1257806.4/16

Left: 123.386+/-0.017 χ^2/NDF : 2754544.4/34

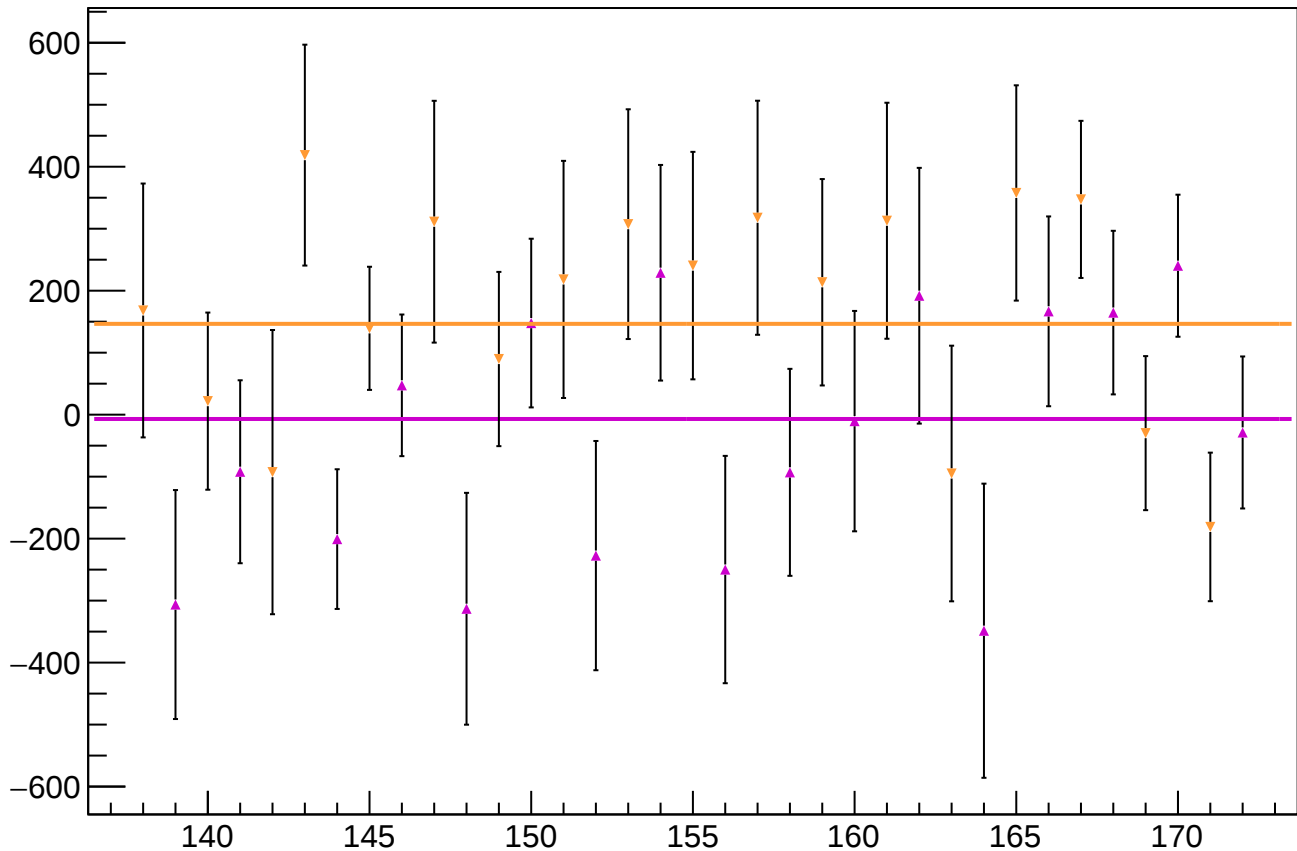
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 121.832+/-0.024 χ^2/NDF :1257806.4/16

Out: 124.997+/-0.025 χ^2/NDF :1488480.3/17

All: 123.386+/-0.017 χ^2/NDF : 2754544.4/34

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



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

Left Out: 146.502+/-36.941 χ^2/NDF :22.8/17

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

Left In: -6.968+/-36.351 χ^2/NDF :26.1/16

Left: 68.531+/-25.910 χ^2/NDF : 57.7/34

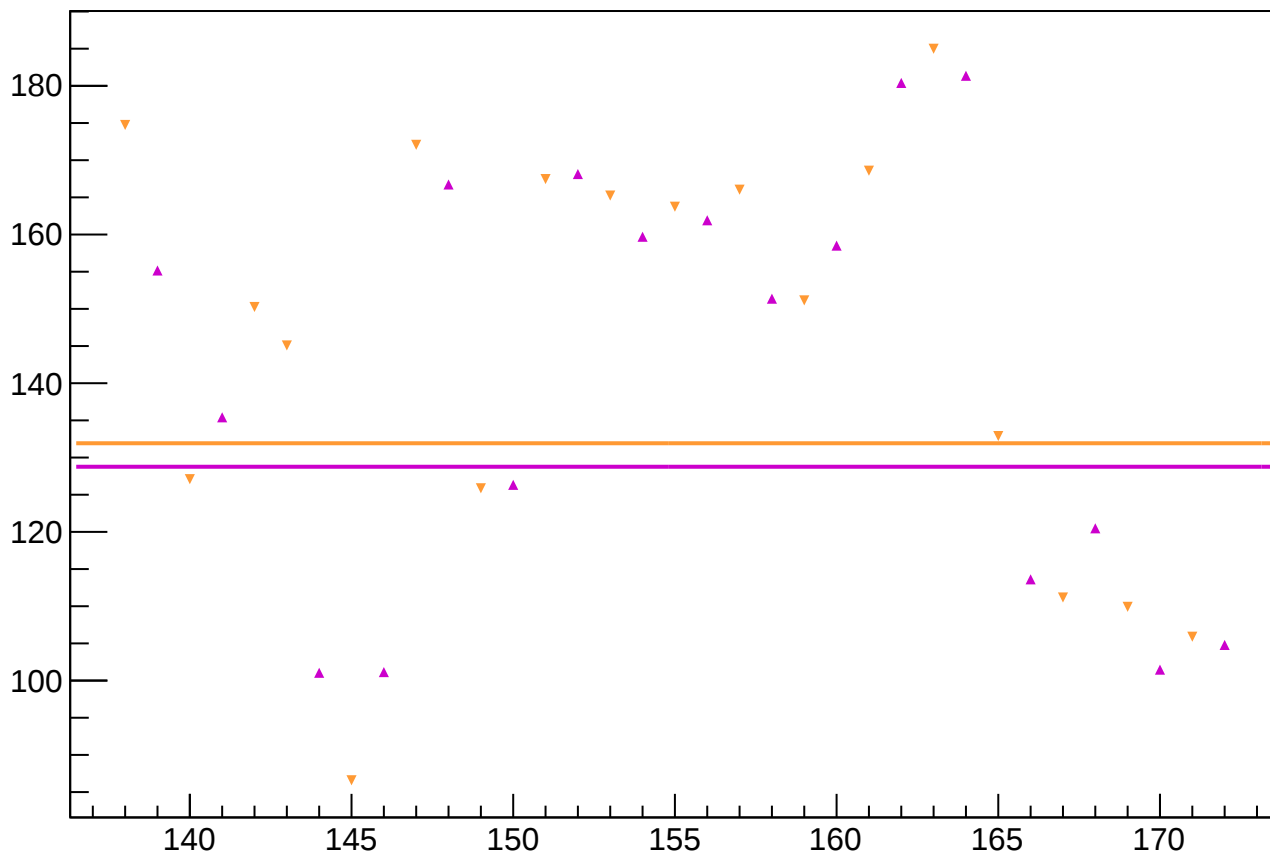
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -6.968+/-36.351 χ^2/NDF :26.1/16

Out: 146.502+/-36.941 χ^2/NDF :22.8/17

All: 68.531+/-25.910 χ^2/NDF : 57.7/34

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



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

Left Out: 131.923+/-0.026 χ^2/NDF :1321557.0/17

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

Left In: 128.763+/-0.026 χ^2/NDF :1118803.0/16

Left: 130.318+/-0.018 χ^2/NDF : 2447795.2/34

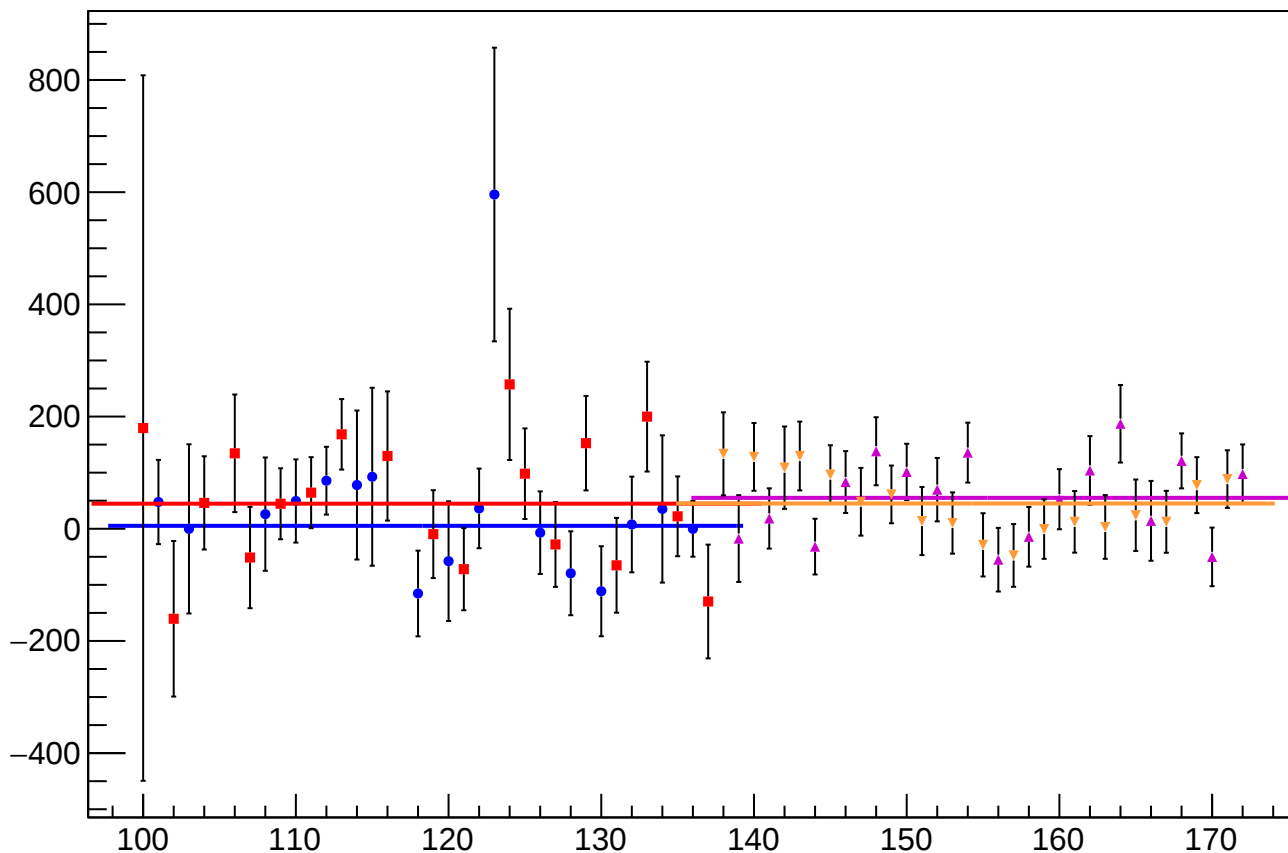
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 128.763+/-0.026 χ^2/NDF :1118803.0/16

Out: 131.923+/-0.026 χ^2/NDF :1321557.0/17

All: 130.318+/-0.018 χ^2/NDF : 2447795.2/34

reg_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 5.220 $\pm$ 20.150 χ^2 /NDF: 14.7/16

Left Out: 44.993 $\pm$ 13.458 χ^2 /NDF:15.4/17

Right Out: 44.715 $\pm$ 19.410 χ^2 /NDF: 24.4/18

Left In: 55.086 $\pm$ 13.600 χ^2 /NDF:26.4/16

Left: 49.986 $\pm$ 9.566 χ^2 /NDF: 42.1/34

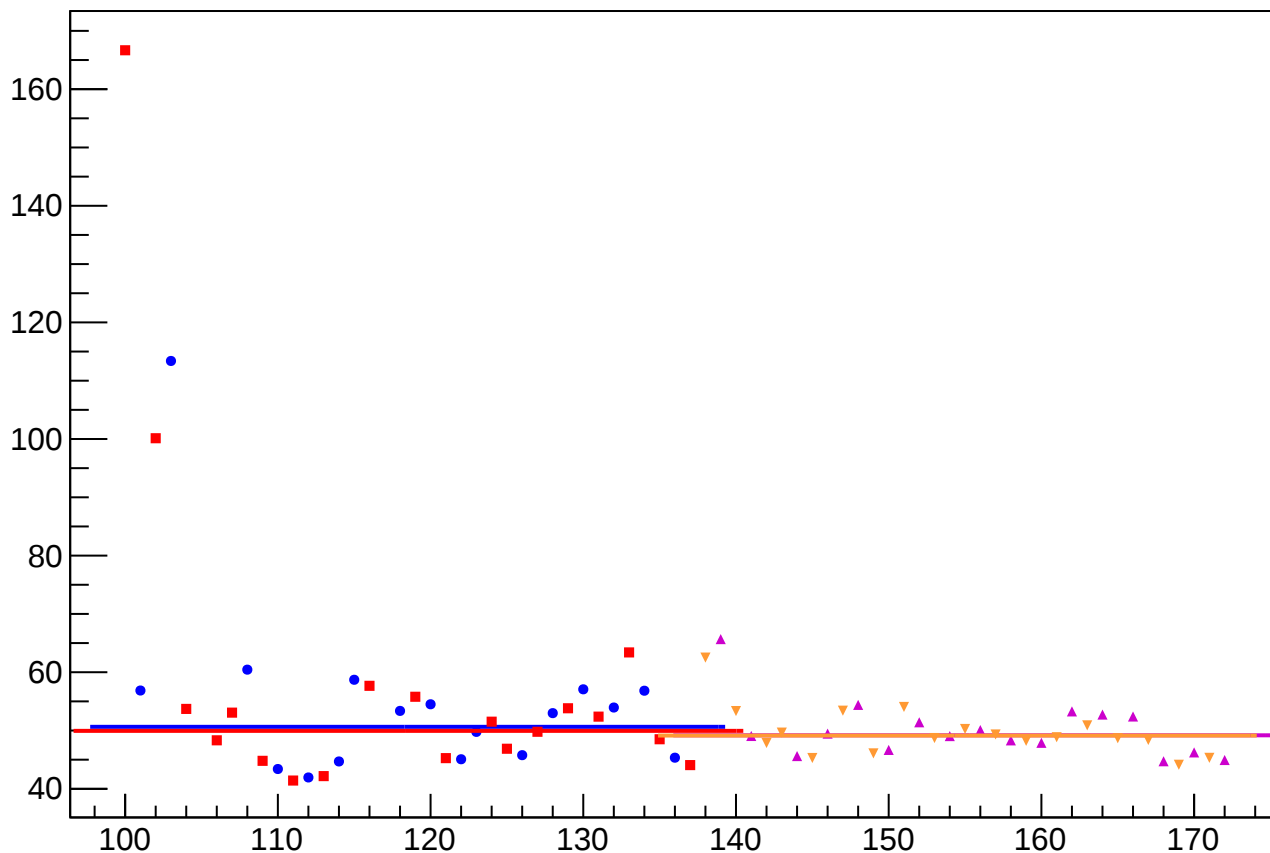
Right: 25.706 $\pm$ 13.979 χ^2 /NDF: 41.1/35

In: 39.480 $\pm$ 11.272 χ^2 /NDF:45.3/33

Out: 44.903 $\pm$ 11.059 χ^2 /NDF:39.8/36

All: 42.243 $\pm$ 7.894 χ^2 /NDF: 85.2/70

reg_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 50.635 $\pm$ 0.014 χ^2 /NDF: 519687.1/16

Left Out: 49.140 $\pm$ 0.010 χ^2 /NDF: 151936.6/17

Right Out: 49.943 $\pm$ 0.014 χ^2 /NDF: 500488.8/18

Left In: 49.181 $\pm$ 0.010 χ^2 /NDF: 180587.2/16

Left: 49.161 $\pm$ 0.007 χ^2 /NDF: 332532.8/34

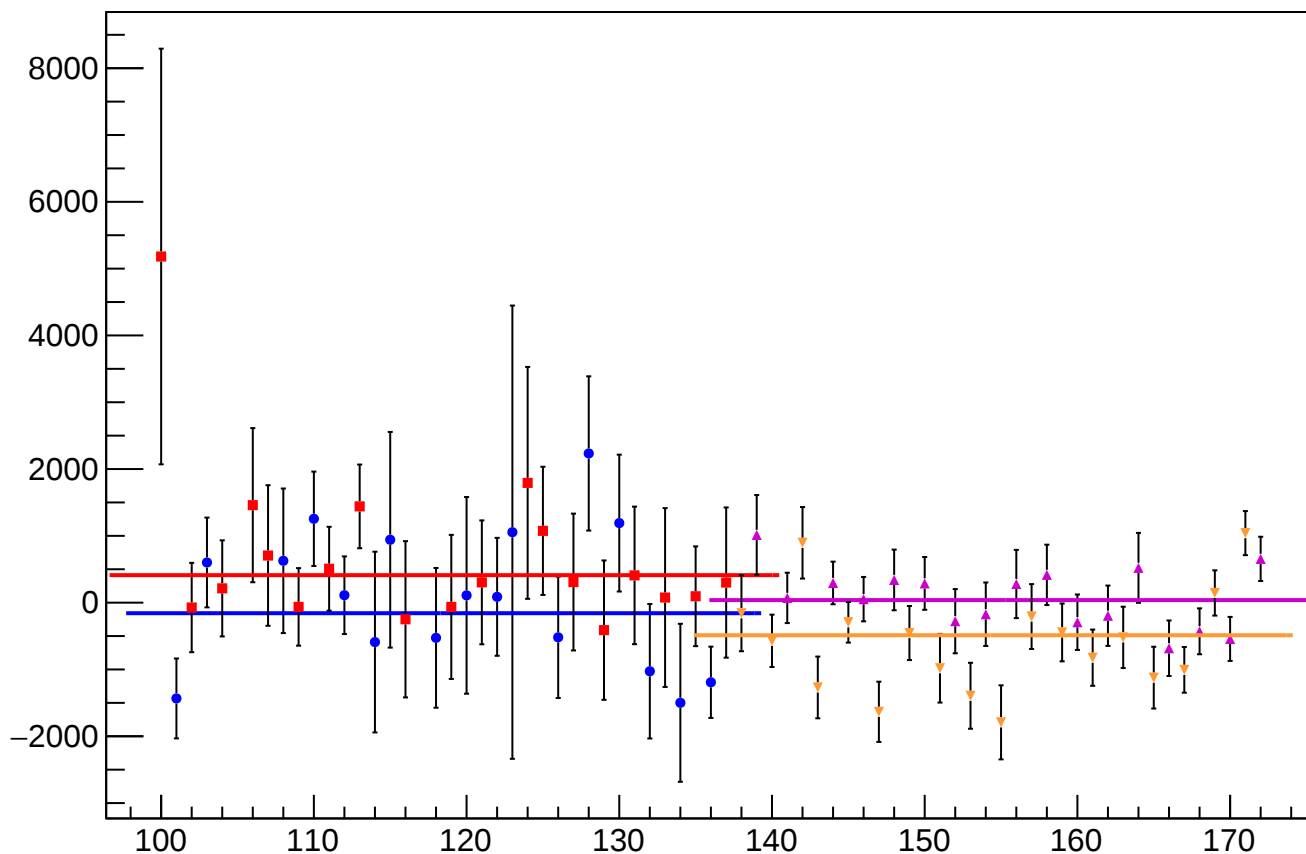
Right: 50.276 $\pm$ 0.010 χ^2 /NDF: 1021399.4/35

In: 49.636 $\pm$ 0.008 χ^2 /NDF: 707427.0/33

Out: 49.401 $\pm$ 0.008 χ^2 /NDF: 654733.5/36

All: 49.516 $\pm$ 0.006 χ^2 /NDF: 1362603.6/70

asym_sam_1357_avg_correction_mean vs Slug, Sign Corrected



Right In: -158.001+/-210.181 χ^2/NDF : 23.5/16

Left Out: -487.746+/-99.057 χ^2/NDF :56.8/17

Right Out: 411.611+/-203.633 χ^2/NDF : 9.8/18

Left In: 38.239+/-97.851 χ^2/NDF :18.9/16

Left: -221.533+/-69.613 χ^2/NDF : 90.0/34

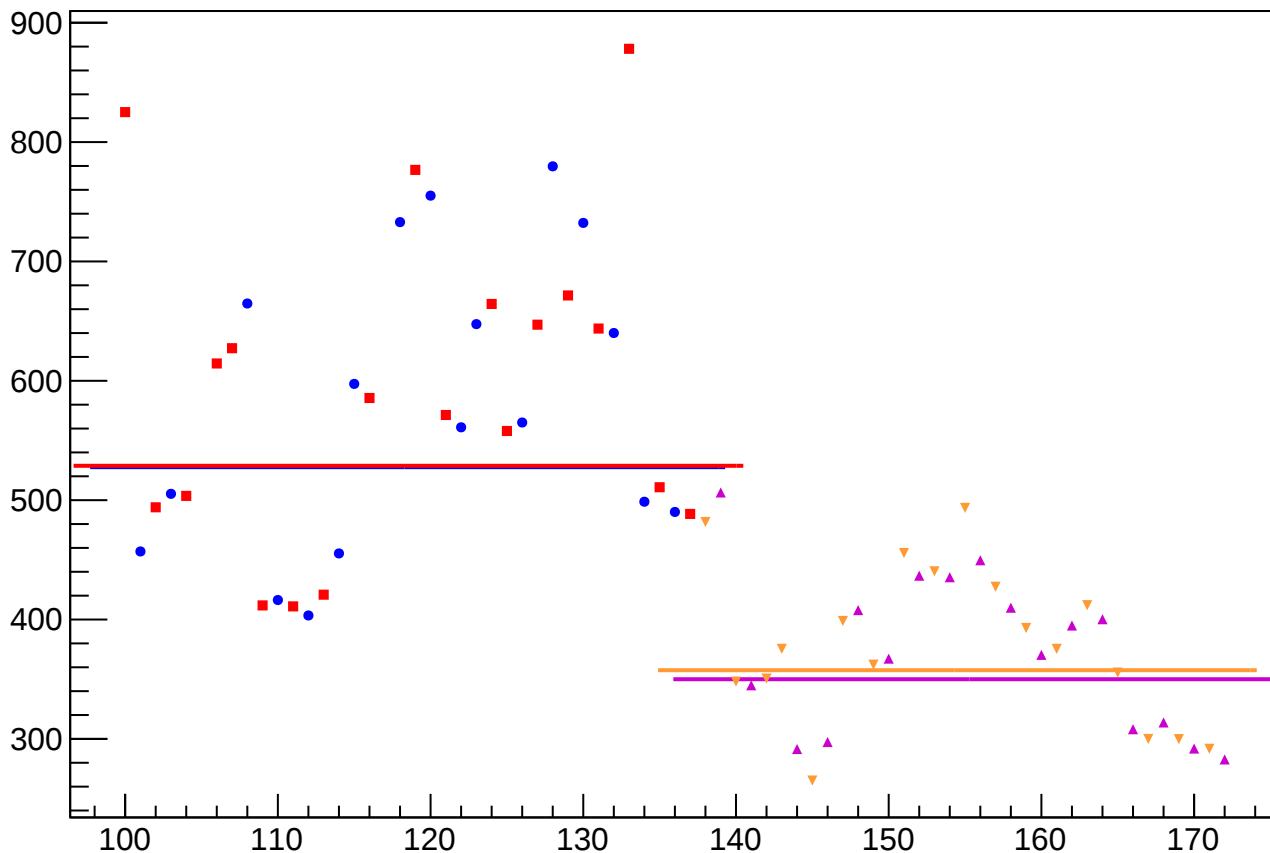
Right: 135.816+/-146.251 χ^2/NDF : 37.0/35

In: 3.282+/-88.709 χ^2/NDF :43.1/33

Out: -315.654+/-89.077 χ^2/NDF :82.3/36

All: -155.526+/-62.856 χ^2/NDF : 131.9/70

asym_sam_1357_avg_correction_rms vs Slug, Sign Corrected



Right In: 527.663 $\pm$ 0.149 χ^2 /NDF: 557423.6/16

Left Out: 357.542 $\pm$ 0.070 χ^2 /NDF: 833206.4/17

Right Out: 528.806 $\pm$ 0.144 χ^2 /NDF: 623364.6/18

Left In: 349.993 $\pm$ 0.069 χ^2 /NDF: 763080.3/16

Left: 353.722 $\pm$ 0.049 χ^2 /NDF: 1602165.3/34

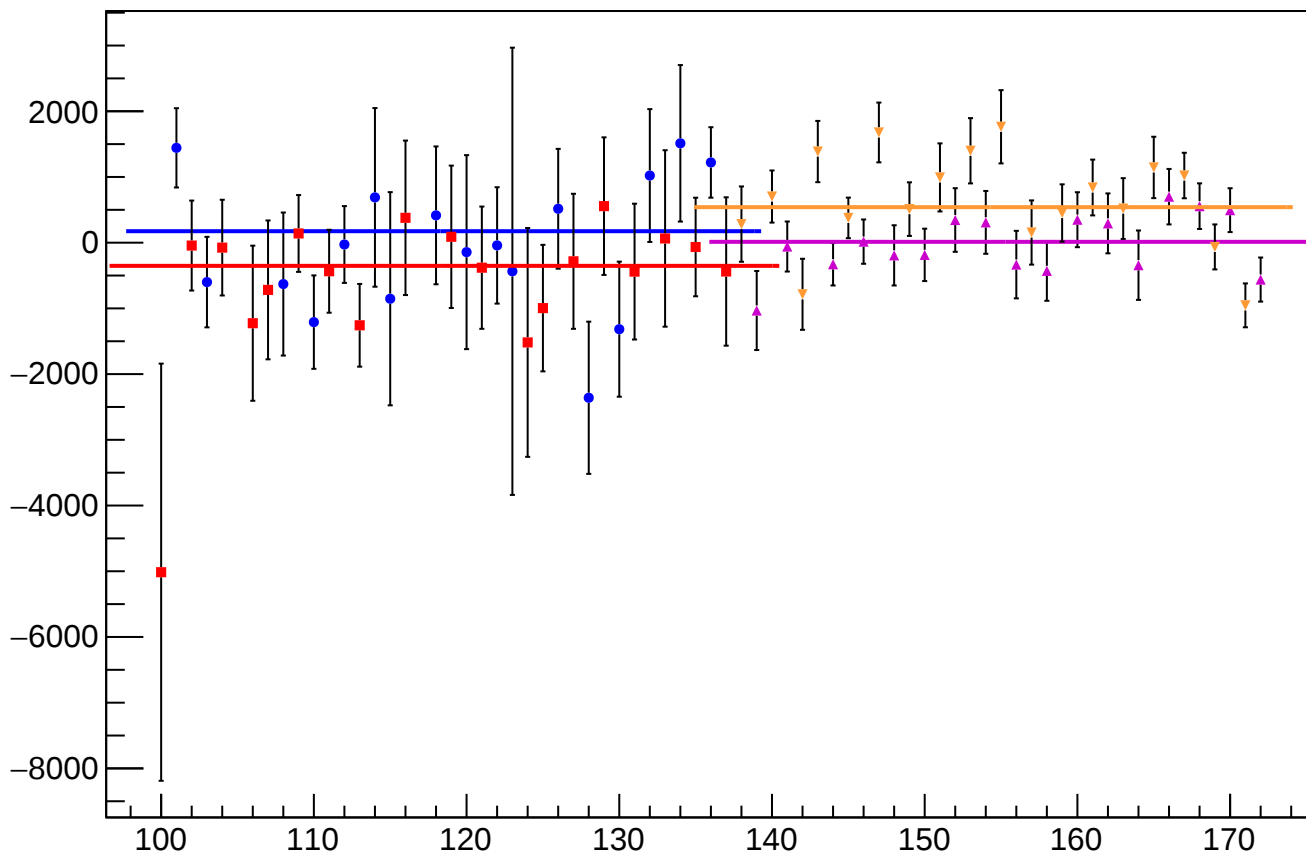
Right: 528.253 $\pm$ 0.103 χ^2 /NDF: 1180818.7/35

In: 381.642 $\pm$ 0.063 χ^2 /NDF: 2495053.9/33

Out: 390.314 $\pm$ 0.063 χ^2 /NDF: 2600570.0/36

All: 385.960 $\pm$ 0.044 χ^2 /NDF: 5105139.5/70

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 174.605 $\pm$ 211.662 χ^2 /NDF: 23.7/16

Left Out: 540.505 $\pm$ 100.059 χ^2 /NDF:52.7/17

Right Out: -352.570 $\pm$ 205.204 χ^2 /NDF: 8.4/18

Left In: 12.922 $\pm$ 98.880 χ^2 /NDF:18.5/16

Left: 273.588 $\pm$ 70.332 χ^2 /NDF: 85.2/34

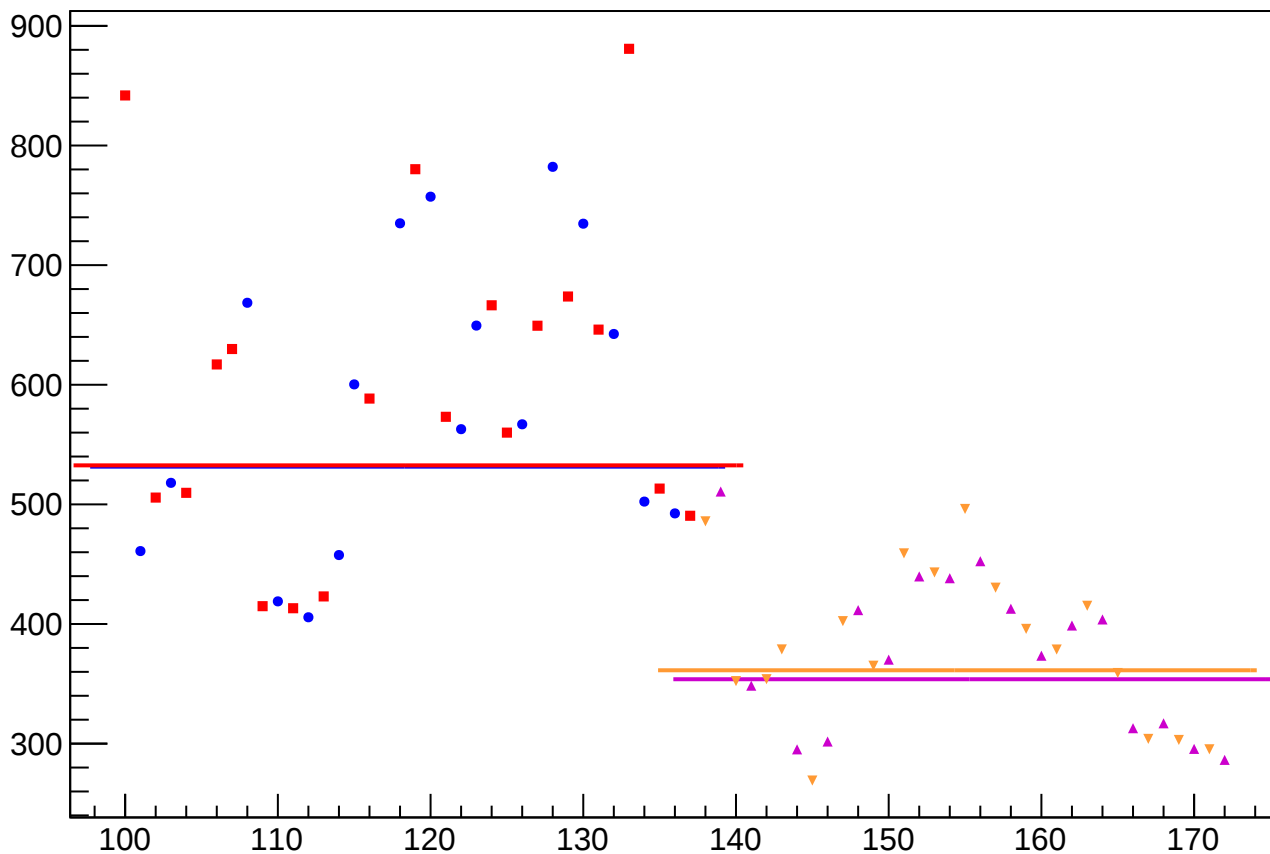
Right: -97.148 $\pm$ 147.331 χ^2 /NDF: 35.3/35

In: 41.887 $\pm$ 89.586 χ^2 /NDF:42.6/33

Out: 368.955 $\pm$ 89.937 χ^2 /NDF:76.4/36

All: 204.783 $\pm$ 63.471 χ^2 /NDF: 125.7/70

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 531.554+/-0.150 χ^2/NDF : 550087.6/16

Left Out: 361.320+/-0.071 χ^2/NDF : 810347.1/17

Right Out: 532.620+/-0.145 χ^2/NDF : 615746.2/18

Left In: 353.828+/-0.070 χ^2/NDF : 742854.9/16

Left: 357.530+/-0.050 χ^2/NDF : 1558875.1/34

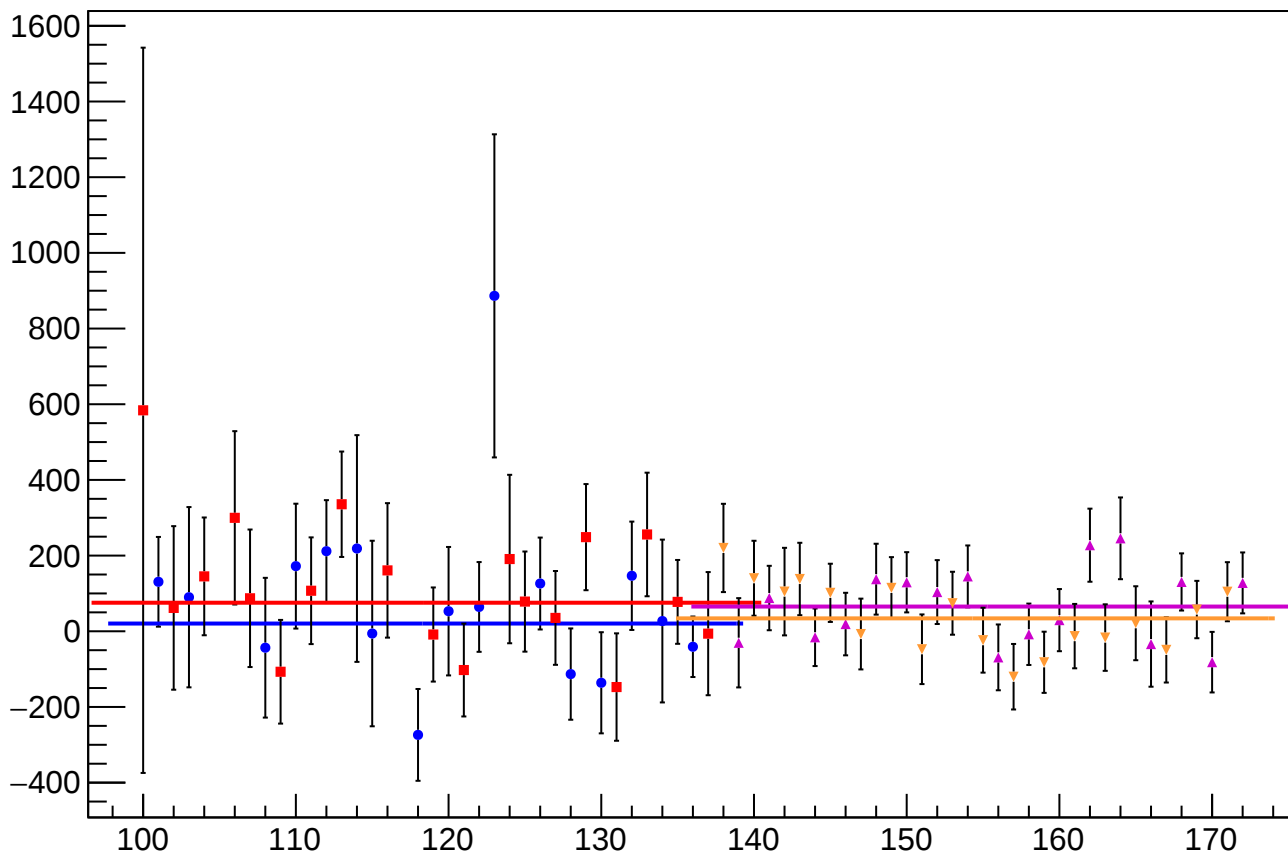
Right: 532.104+/-0.104 χ^2/NDF : 1165860.0/35

In: 385.666+/-0.063 χ^2/NDF : 2450425.7/33

Out: 394.225+/-0.064 χ^2/NDF : 2552096.9/36

All: 389.929+/-0.045 χ^2/NDF : 5011614.5/70

reg_asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 20.441 $\pm$ 34.583 χ^2/NDF : 19.3/16

Left Out: 34.114 $\pm$ 20.744 χ^2/NDF : 16.4/17

Right Out: 75.454 $\pm$ 34.698 χ^2/NDF : 15.4/18

Left In: 65.323 $\pm$ 20.939 χ^2/NDF : 19.1/16

Left: 49.573 $\pm$ 14.736 χ^2/NDF : 36.6/34

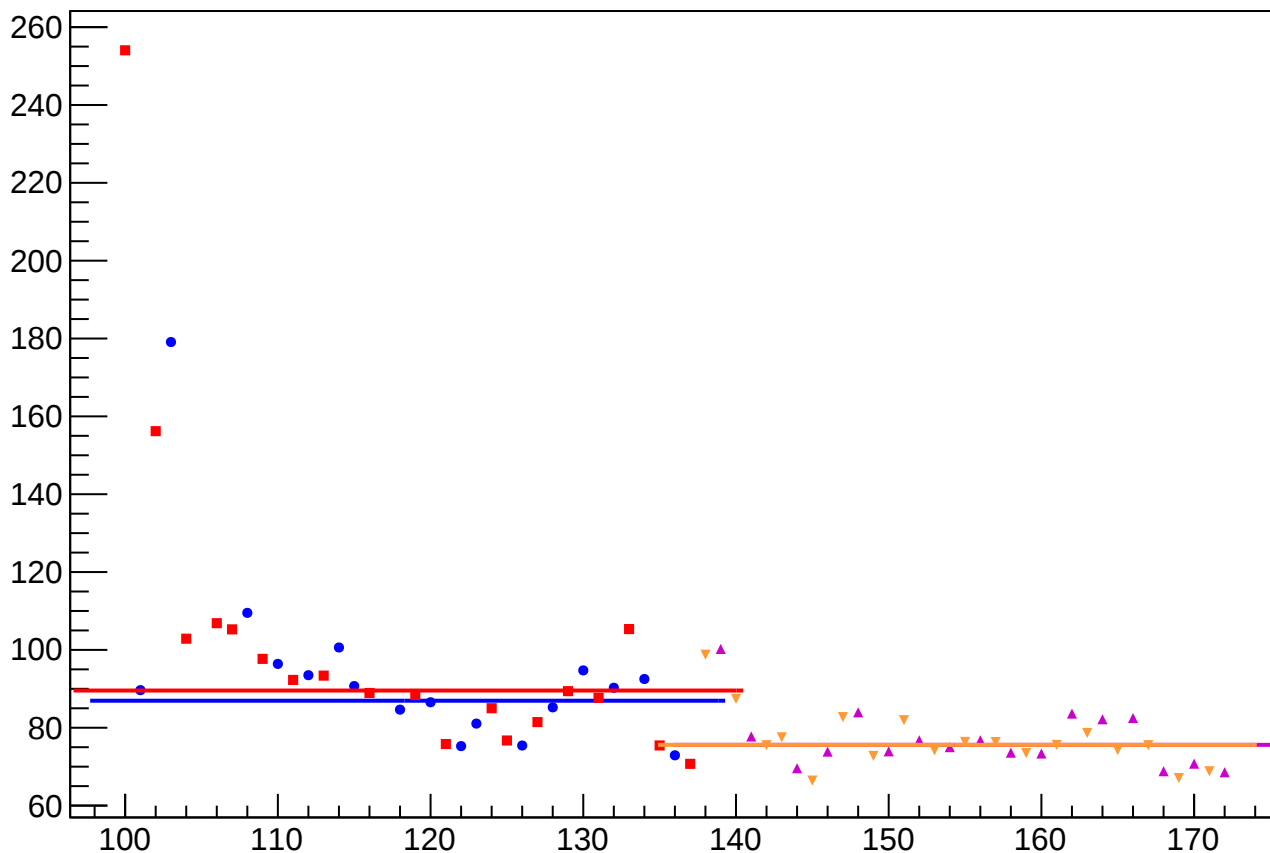
Right: 47.856 $\pm$ 24.495 χ^2/NDF : 35.9/35

In: 53.284 $\pm$ 17.911 χ^2/NDF : 39.6/33

Out: 44.999 $\pm$ 17.805 χ^2/NDF : 32.8/36

All: 49.117 $\pm$ 12.627 χ^2/NDF : 72.5/70

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 86.943 $\pm$ 0.024 χ^2 /NDF: 455809.4/16

Left Out: 75.607 $\pm$ 0.015 χ^2 /NDF: 205571.0/17

Right Out: 89.561 $\pm$ 0.025 χ^2 /NDF: 431229.7/18

Left In: 75.605 $\pm$ 0.015 χ^2 /NDF: 189706.1/16

Left: 75.606 $\pm$ 0.010 χ^2 /NDF: 395277.2/34

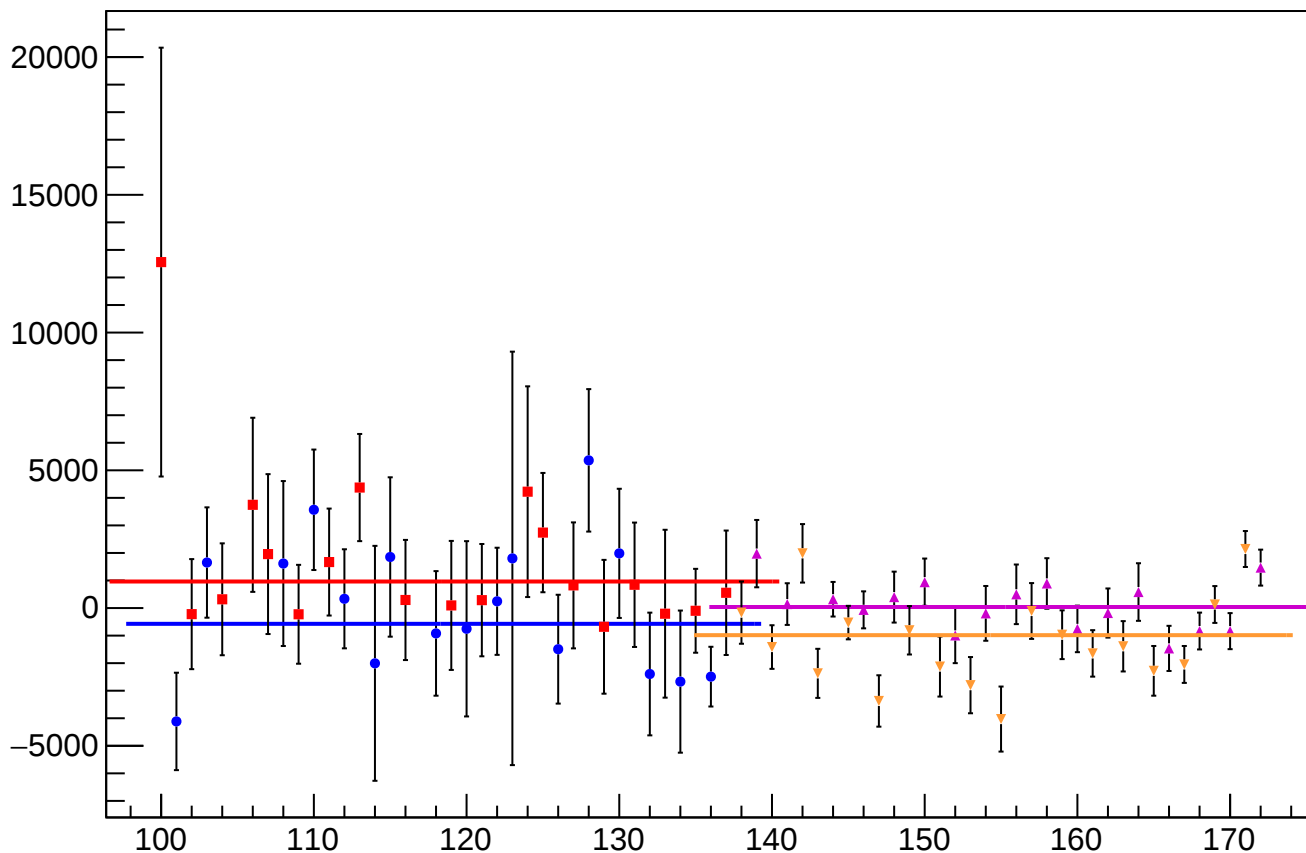
Right: 88.247 $\pm$ 0.017 χ^2 /NDF: 892752.0/35

In: 78.647 $\pm$ 0.013 χ^2 /NDF: 802798.5/33

Out: 79.281 $\pm$ 0.013 χ^2 /NDF: 875072.5/36

All: 78.966 $\pm$ 0.009 χ^2 /NDF: 1679134.4/70

asym_sam_2468_avg_correction_mean vs Slug, Sign Corrected



Right In: -572.342+/-517.020 χ^2/NDF : 21.9/16

Left Out: -983.866+/-199.654 χ^2/NDF :61.0/17

Right Out: 963.846+/-514.621 χ^2/NDF : 10.1/18

Left In: 38.395+/-197.159 χ^2/NDF :19.0/16

Left: -466.307+/-140.286 χ^2/NDF : 93.3/34

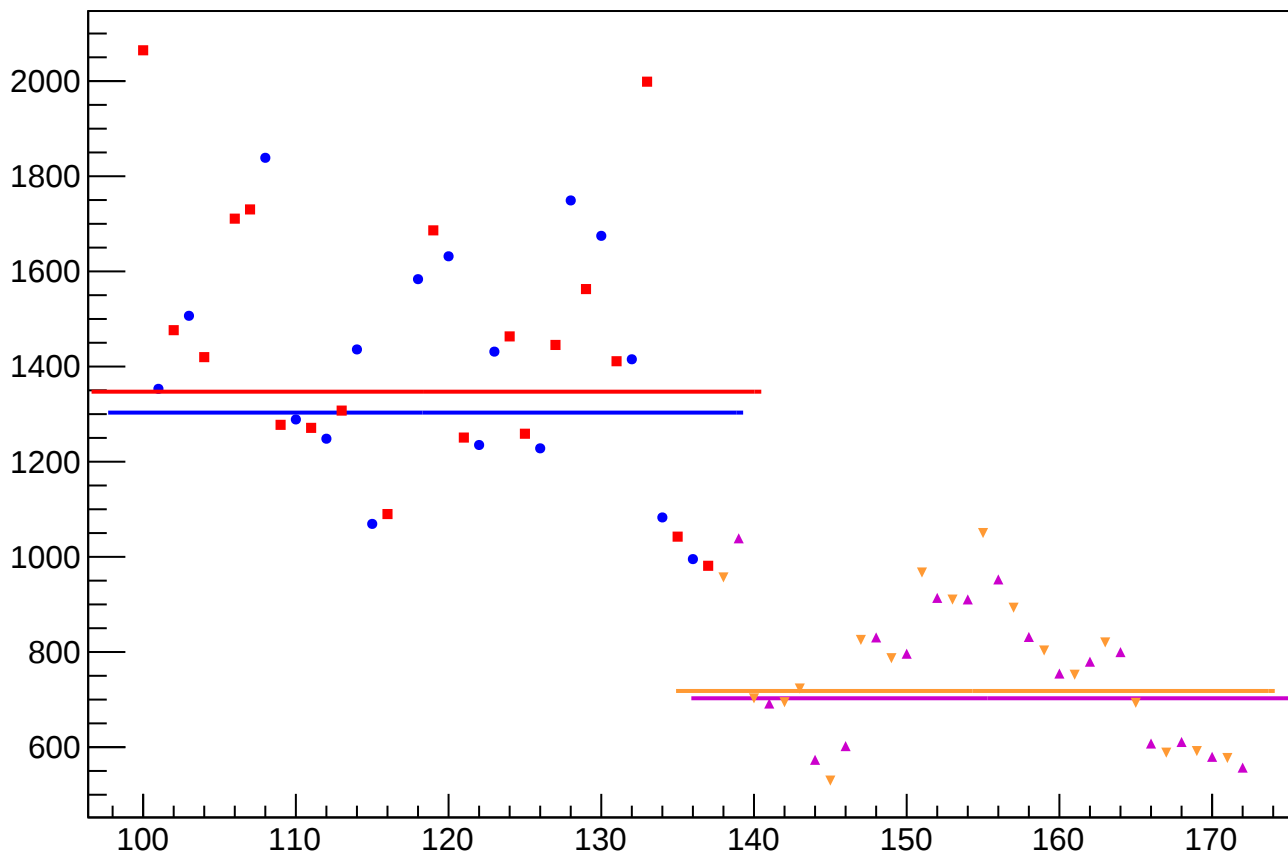
Right: 199.325+/-364.737 χ^2/NDF : 36.4/35

In: -39.142+/-184.219 χ^2/NDF :42.1/33

Out: -729.057+/-186.137 χ^2/NDF :83.5/36

All: -380.527+/-130.935 χ^2/NDF : 132.6/70

asym_sam_2468_avg_correction_rms vs Slug, Sign Corrected



Right In: 1303.201 $\pm$ 0.366 χ^2 /NDF: 451961.9/16

Left Out: 718.115 $\pm$ 0.141 χ^2 /NDF:1002363.1/17

Right Out: 1347.177 $\pm$ 0.364 χ^2 /NDF: 420774.0/18

Left In: 702.752 $\pm$ 0.139 χ^2 /NDF:939958.2/16

Left: 710.337 $\pm$ 0.099 χ^2 /NDF: 1948316.1/34

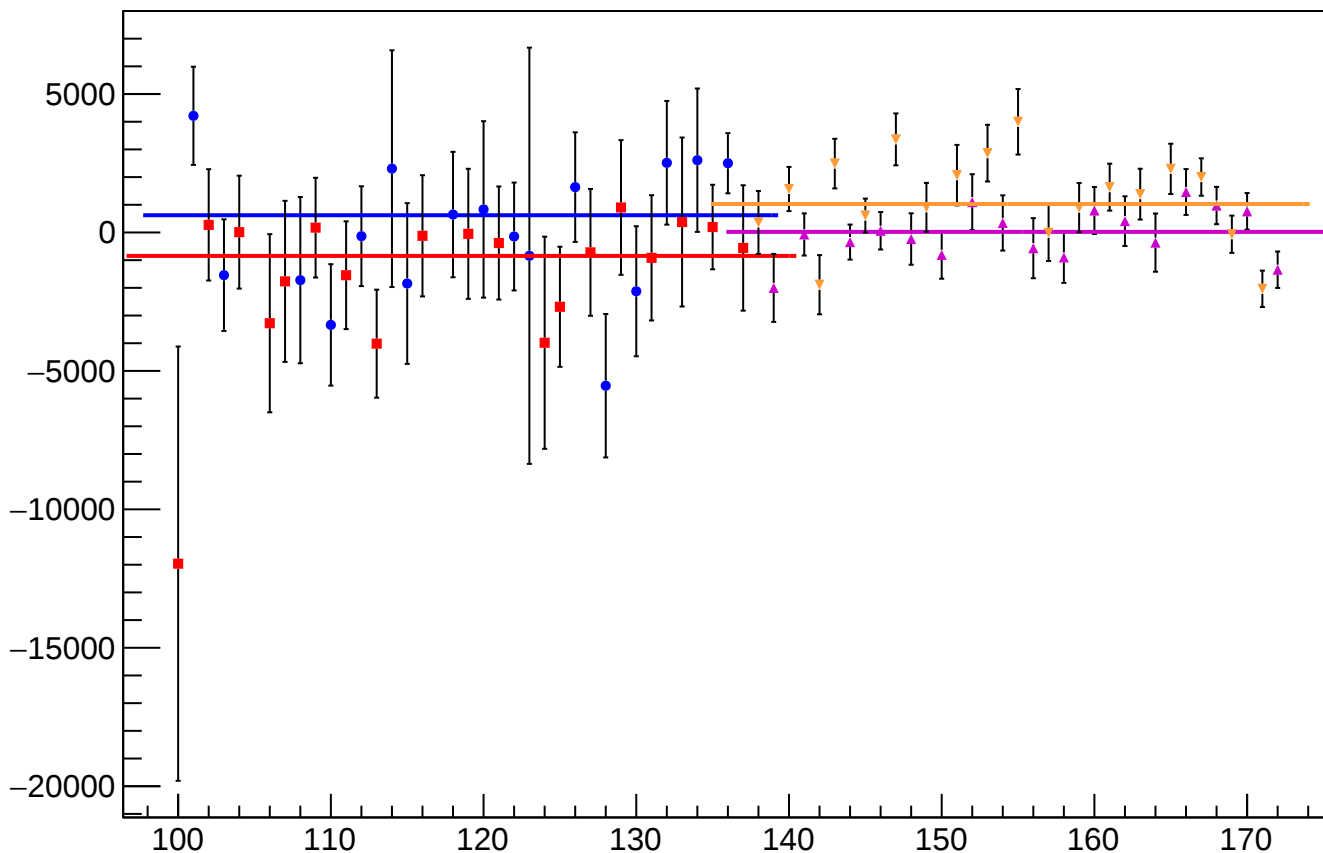
Right: 1325.291 $\pm$ 0.258 χ^2 /NDF: 880004.2/35

In: 778.983 $\pm$ 0.130 χ^2 /NDF:3746983.6/33

Out: 800.412 $\pm$ 0.132 χ^2 /NDF:4020601.3/36

All: 789.586 $\pm$ 0.093 χ^2 /NDF: 7780975.3/70

asym_sam_2468_avg_mean vs Slug, Sign Corrected



Right In: 622.411+/-518.496 χ^2/NDF : 22.0/16

Left Out: 1028.491+/-200.869 χ^2/NDF : 58.1/17

Right Out: -846.021+/-516.325 χ^2/NDF : 9.1/18

Left In: 21.071+/-198.415 χ^2/NDF : 18.4/16

Left: 518.590+/-141.160 χ^2/NDF : 89.2/34

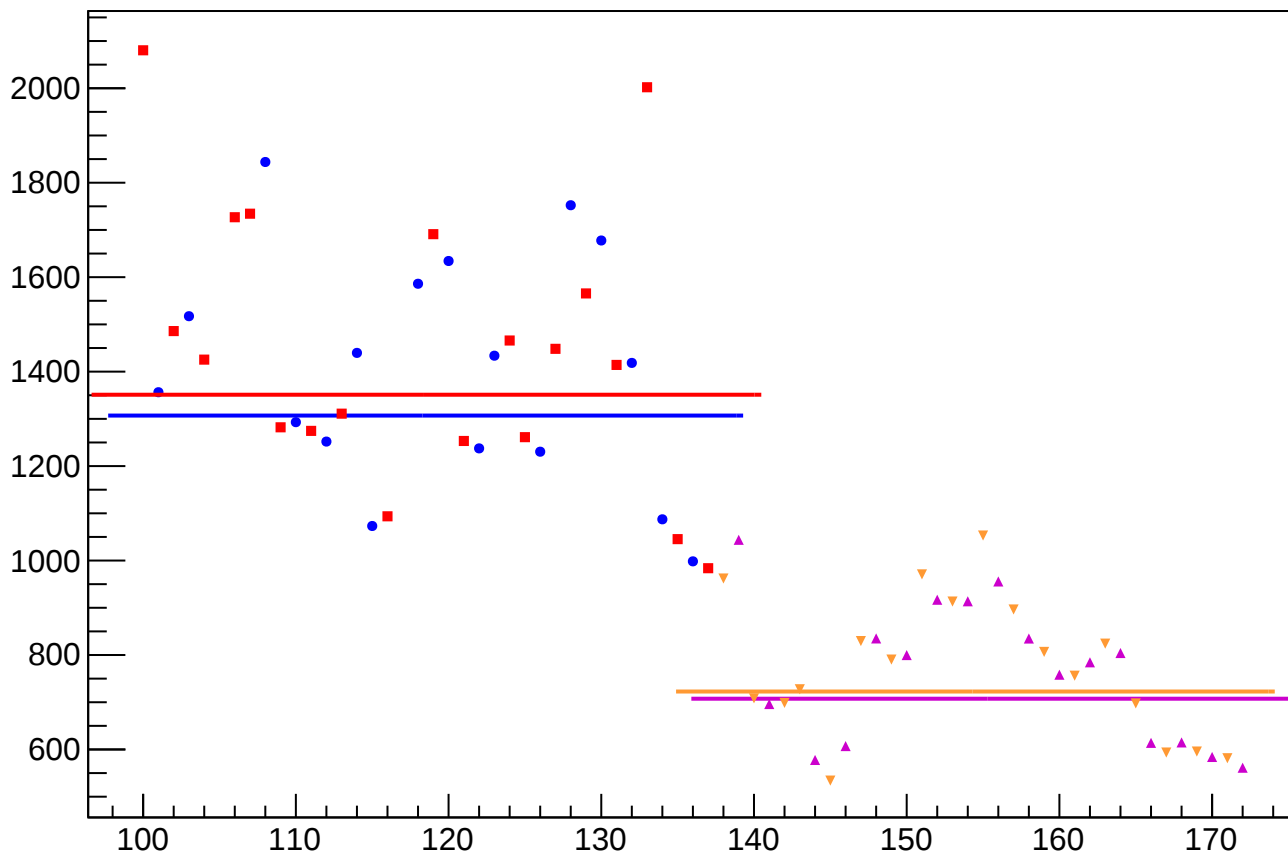
Right: -114.886+/-365.862 χ^2/NDF : 35.1/35

In: 97.883+/-185.310 χ^2/NDF : 41.5/33

Out: 782.079+/-187.202 χ^2/NDF : 78.6/36

All: 436.507+/-131.698 χ^2/NDF : 126.9/70

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1306.980+/-0.367 χ^2/NDF : 451191.7/16

Left Out: 722.703+/-0.142 χ^2/NDF : 986951.9/17

Right Out: 1351.096+/-0.365 χ^2/NDF : 421804.6/18

Left In: 707.453+/-0.140 χ^2/NDF : 924771.8/16

Left: 714.984+/-0.100 χ^2/NDF : 1917557.9/34

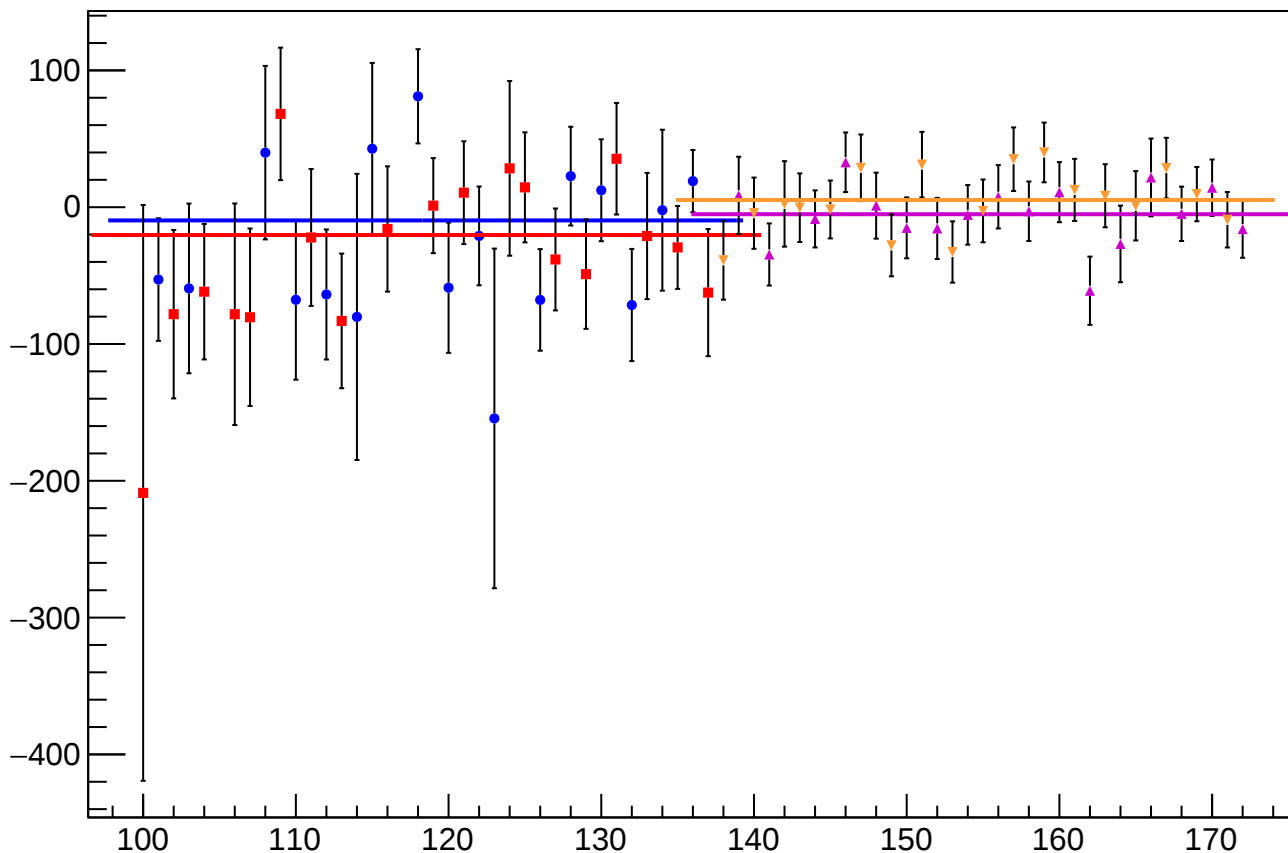
Right: 1329.131+/-0.259 χ^2/NDF : 880266.0/35

In: 784.034+/-0.131 χ^2/NDF : 3708378.7/33

Out: 805.308+/-0.132 χ^2/NDF : 3981760.6/36

All: 794.563+/-0.093 χ^2/NDF : 7703184.9/70

reg_asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -9.669 ± 10.408 χ^2/NDF : 22.6/16

Left Out: 5.244 ± 5.492 χ^2/NDF : 15.9/17

Right Out: -20.335 ± 10.444 χ^2/NDF : 14.7/18

Left In: -5.123 ± 5.523 χ^2/NDF : 14.0/16

Left: 0.090 ± 3.894 χ^2/NDF : 31.7/34

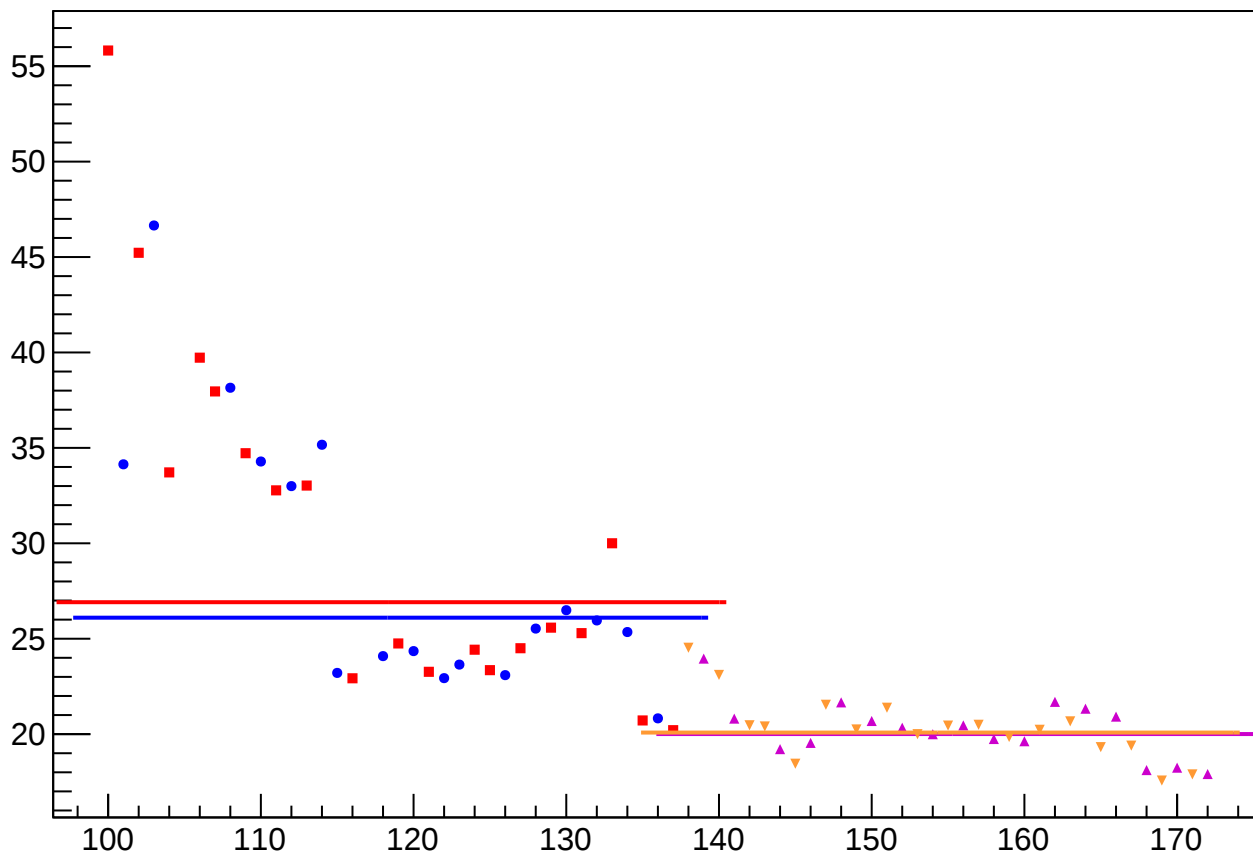
Right: -14.983 ± 7.372 χ^2/NDF : 37.7/35

In: -6.122 ± 4.879 χ^2/NDF : 36.7/33

Out: -0.297 ± 4.861 χ^2/NDF : 35.3/36

All: -3.199 ± 3.443 χ^2/NDF : 72.7/70

reg_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 26.103+/-0.007 χ^2/NDF : 604038.5/16

Left Out: 20.083+/-0.004 χ^2/NDF :162328.6/17

Right Out: 26.914+/-0.007 χ^2/NDF : 678970.2/18

Left In: 20.005+/-0.004 χ^2/NDF :127421.9/16

Left: 20.044+/-0.003 χ^2/NDF : 289952.0/34

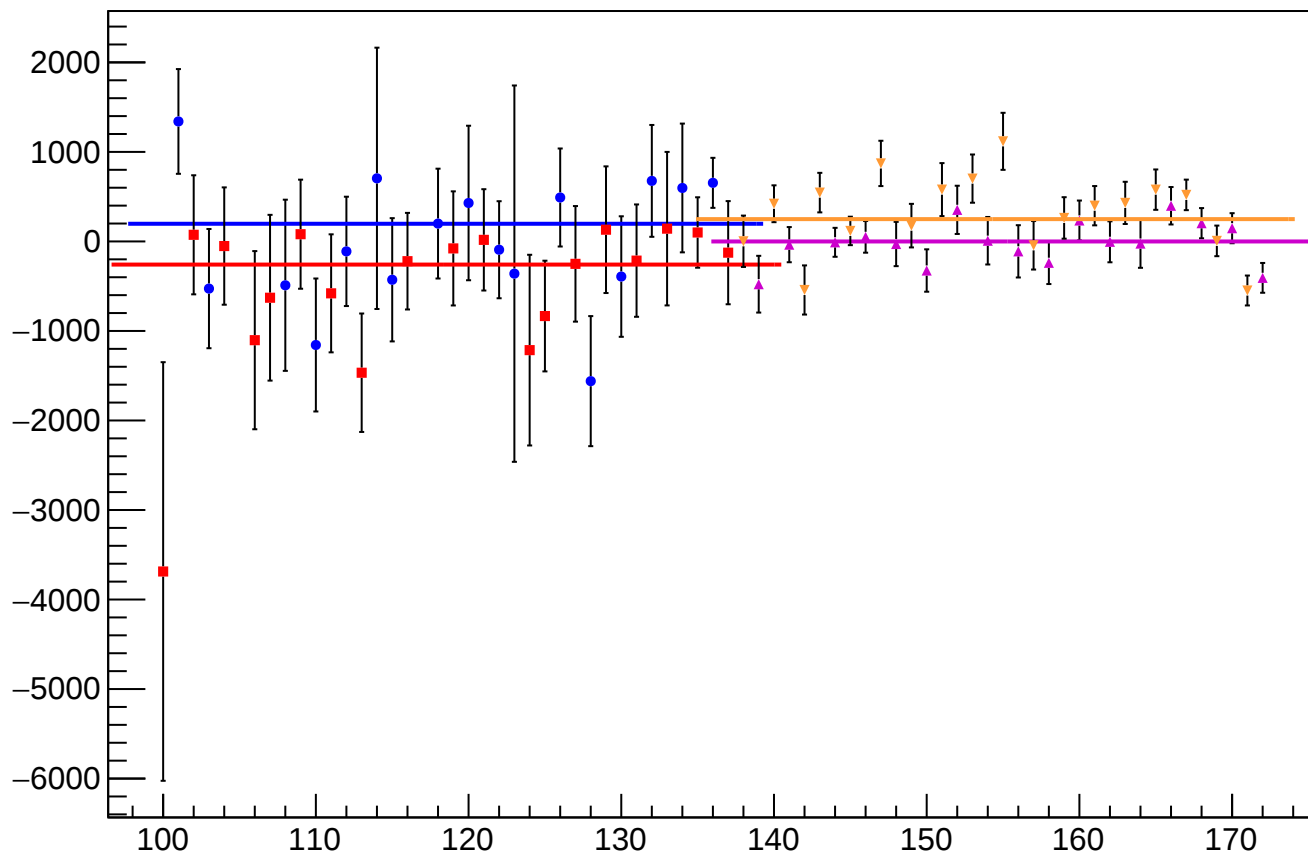
Right: 26.507+/-0.005 χ^2/NDF : 1289062.8/35

In: 21.345+/-0.003 χ^2/NDF :1267131.4/33

Out: 21.563+/-0.003 χ^2/NDF :1511539.4/36

All: 21.454+/-0.002 χ^2/NDF : 2780676.4/70

asym_sam_1357_2468_dd_correction_mean vs Slug, Sign Corrected



Right In: 197.327 $\pm$ 147.883 χ^2 /NDF: 21.0/16

Left Out: 249.242 $\pm$ 51.860 χ^2 /NDF:61.5/17

Right Out: -258.537 $\pm$ 149.867 χ^2 /NDF: 10.7/18

Left In: -0.366 $\pm$ 51.287 χ^2 /NDF:20.1/16

Left: 123.052 $\pm$ 36.467 χ^2 /NDF: 93.4/34

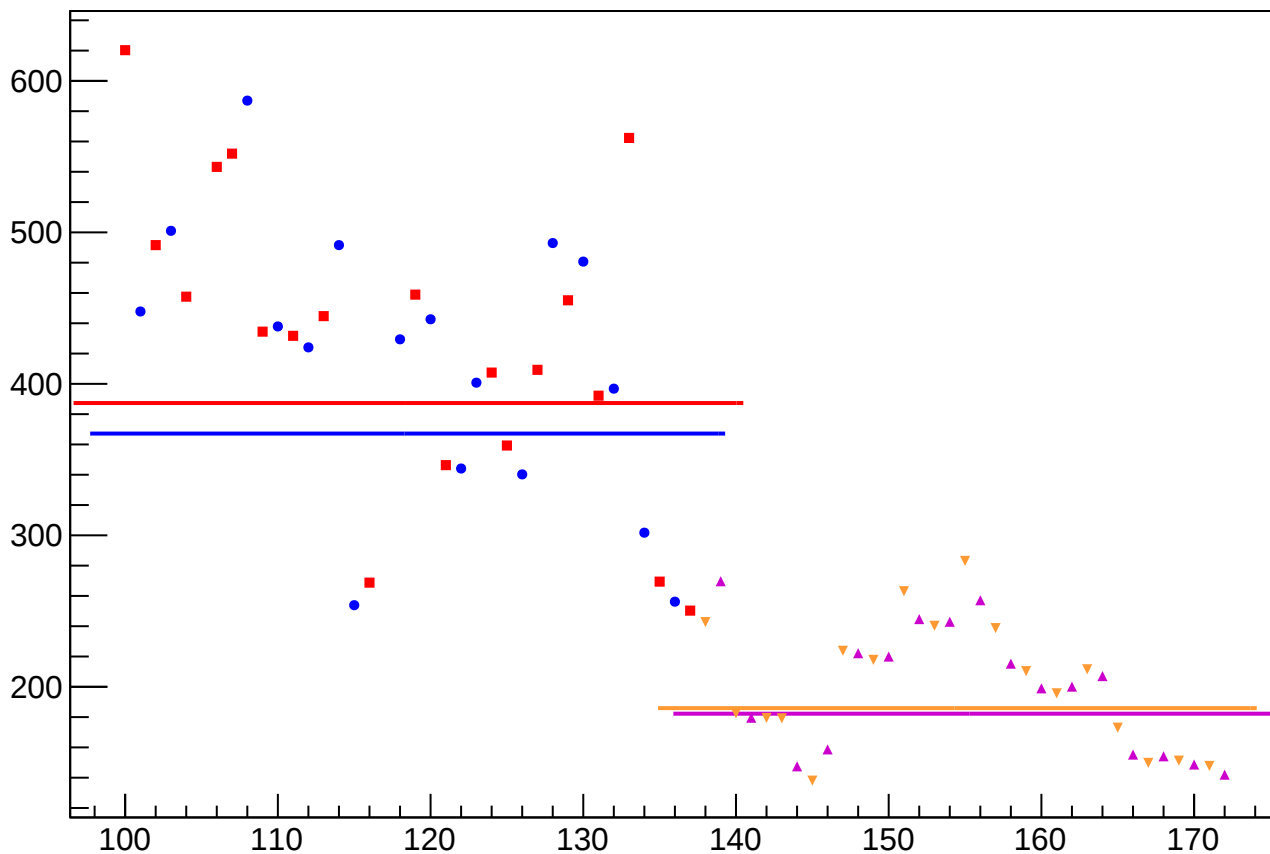
Right: -27.568 $\pm$ 105.264 χ^2 /NDF: 36.3/35

In: 20.859 $\pm$ 48.456 χ^2 /NDF:42.7/33

Out: 194.940 $\pm$ 49.009 χ^2 /NDF:82.5/36

All: 106.912 $\pm$ 34.457 χ^2 /NDF: 131.5/70

asym_sam_1357_2468_dd_correction_rms vs Slug, Sign Corrected



Right In: 367.180+/-0.105 χ^2/NDF : 827148.2/16

Left Out: 185.920+/-0.037 χ^2/NDF : 1154738.8/17

Right Out: 387.344+/-0.106 χ^2/NDF : 774562.4/18

Left In: 182.253+/-0.036 χ^2/NDF : 1091695.1/16

Left: 184.066+/-0.026 χ^2/NDF : 2251489.0/34

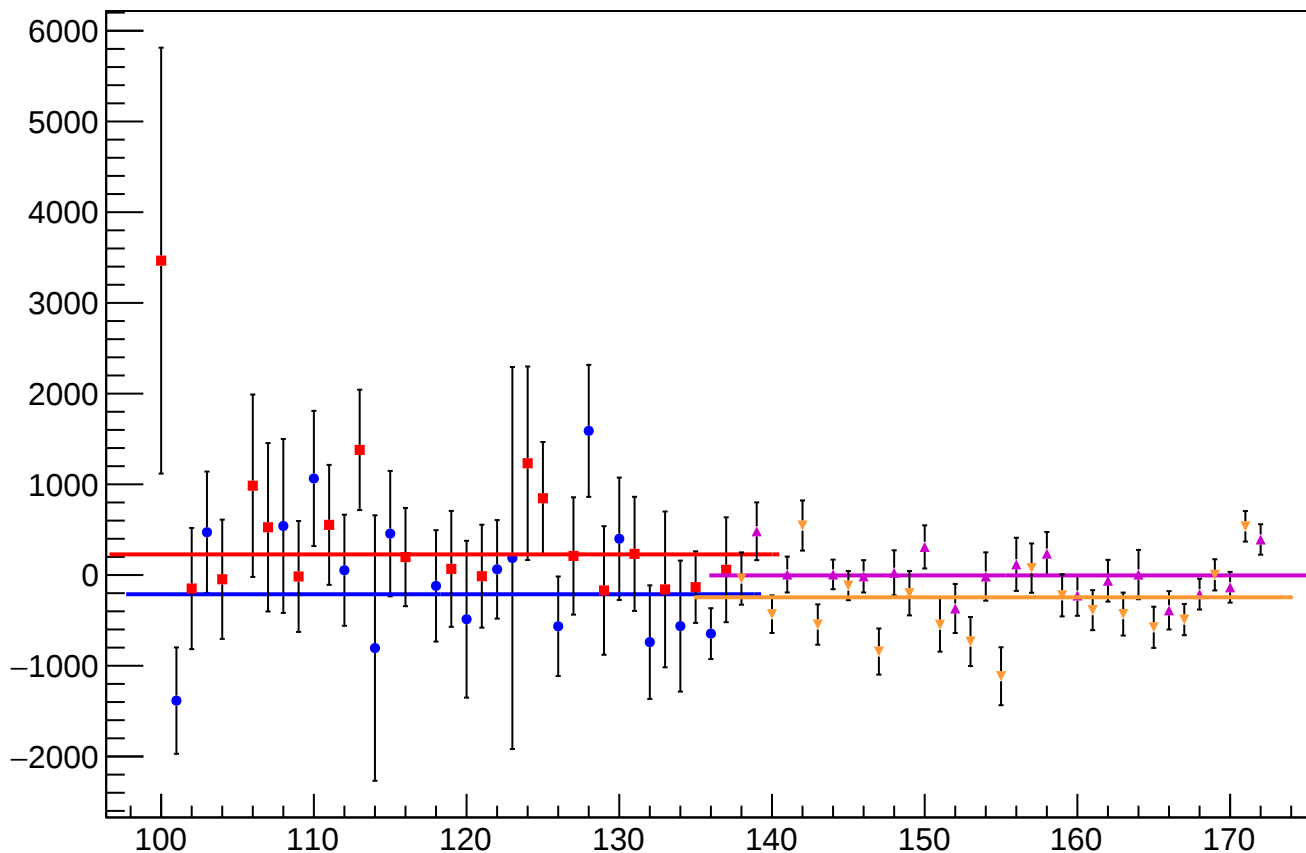
Right: 377.128+/-0.074 χ^2/NDF : 1620053.1/35

In: 202.108+/-0.034 χ^2/NDF : 4710535.1/33

Out: 207.460+/-0.035 χ^2/NDF : 5155714.7/36

All: 204.754+/-0.024 χ^2/NDF : 9878313.9/70

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -211.859+/-148.316 χ^2/NDF : 21.0/16

Left Out: -245.085+/-52.189 χ^2/NDF : 59.5/17

Right Out: 227.831+/-150.317 χ^2/NDF : 10.1/18

Left In: -4.037+/-51.624 χ^2/NDF : 19.1/16

Left: -123.249+/-36.702 χ^2/NDF : 89.4/34

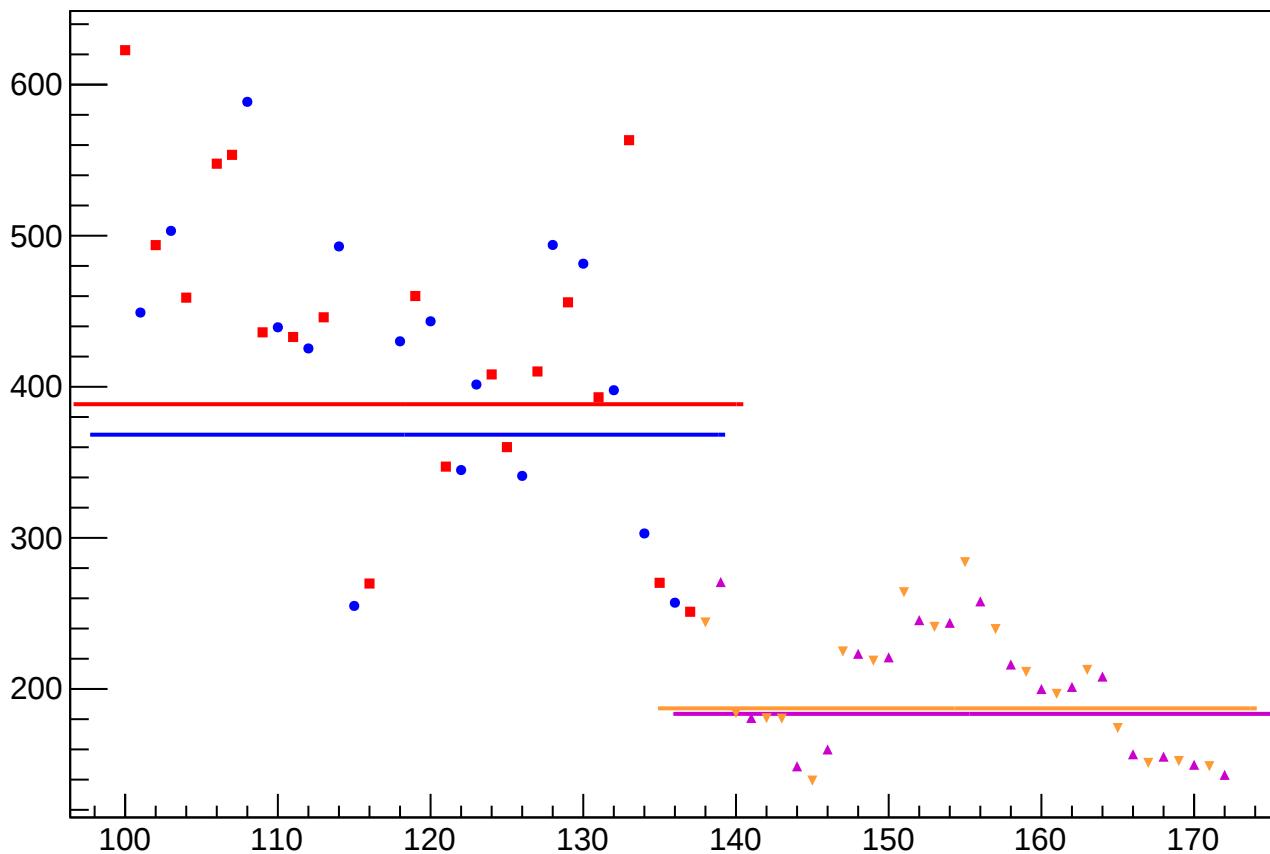
Right: 5.040+/-105.575 χ^2/NDF : 35.4/35

In: -26.494+/-48.755 χ^2/NDF : 41.9/33

Out: -194.210+/-49.302 χ^2/NDF : 78.4/36

All: -109.417+/-34.667 χ^2/NDF : 126.1/70

asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 368.302+/-0.105 χ^2/NDF : 824619.2/16

Left Out: 187.174+/-0.037 χ^2/NDF : 1136316.9/17

Right Out: 388.472+/-0.106 χ^2/NDF : 774717.2/18

Left In: 183.524+/-0.037 χ^2/NDF : 1073335.6/16

Left: 185.329+/-0.026 χ^2/NDF : 2214594.6/34

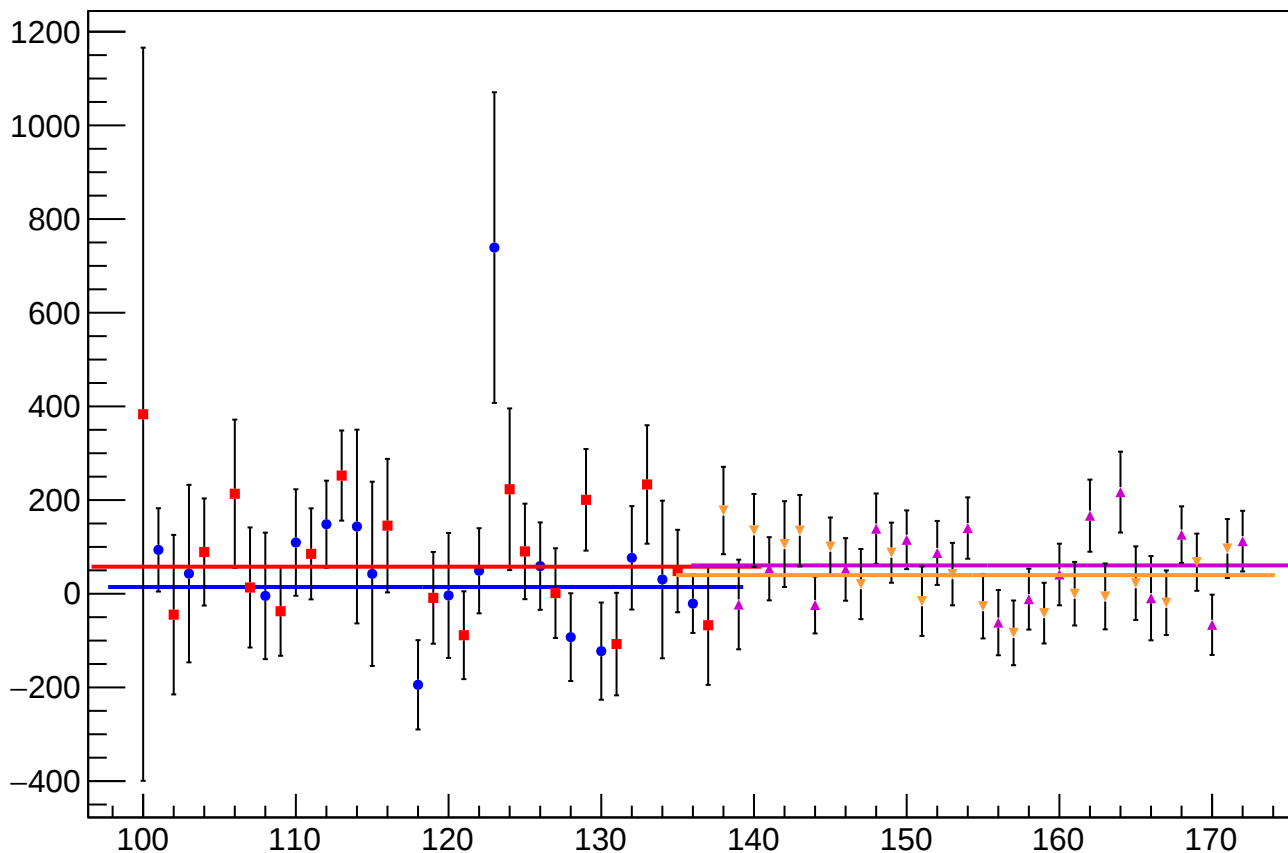
Right: 378.252+/-0.075 χ^2/NDF : 1617584.5/35

In: 203.492+/-0.034 χ^2/NDF : 4666716.9/33

Out: 208.829+/-0.035 χ^2/NDF : 5111912.8/36

All: 206.130+/-0.025 χ^2/NDF : 9790478.7/70

reg_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 14.385 $\pm$ 26.334 χ^2 /NDF: 17.7/16

Left Out: 39.707 $\pm$ 16.601 χ^2 /NDF:16.1/17

Right Out: 57.795 $\pm$ 26.121 χ^2 /NDF: 18.4/18

Left In: 60.498 $\pm$ 16.768 χ^2 /NDF:22.1/16

Left: 49.998 $\pm$ 11.797 χ^2 /NDF: 39.0/34

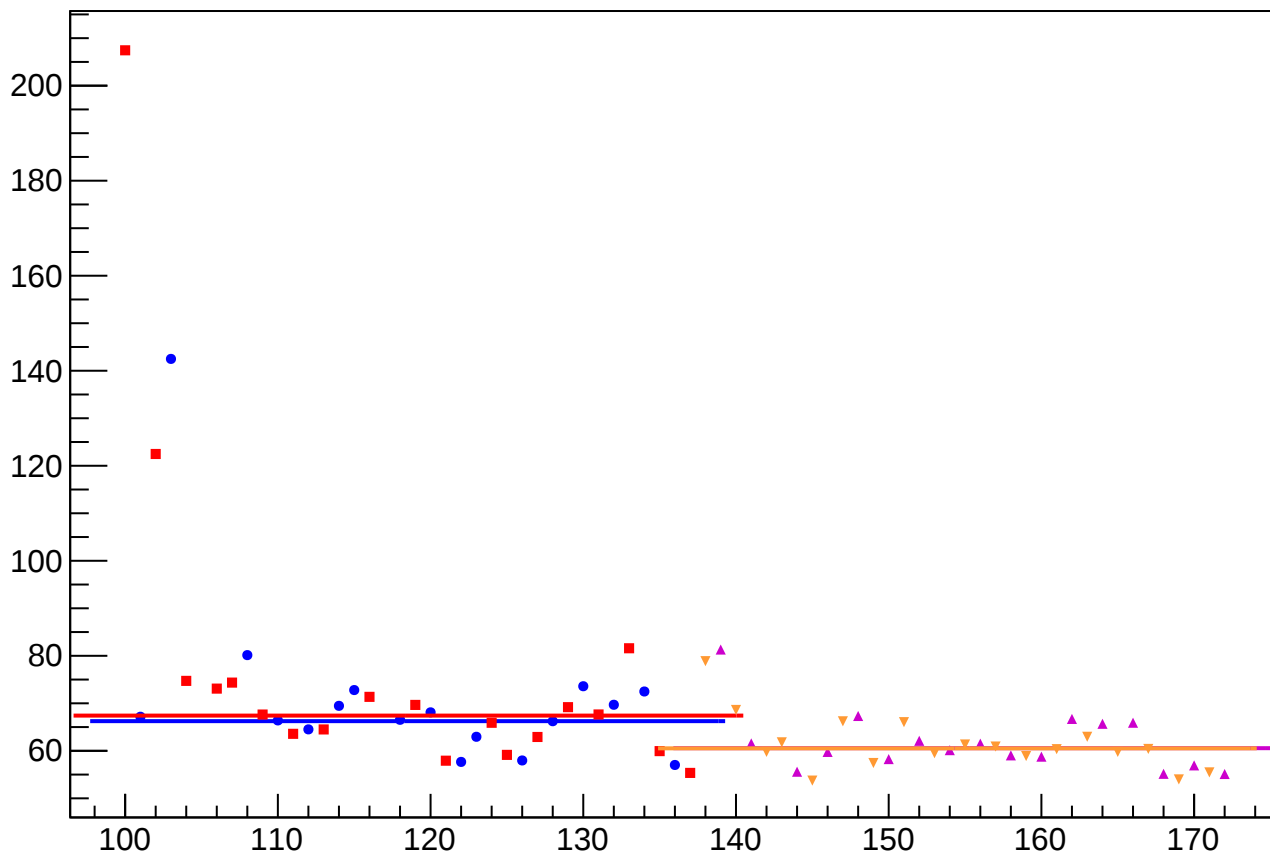
Right: 36.266 $\pm$ 18.545 χ^2 /NDF: 37.5/35

In: 47.194 $\pm$ 14.144 χ^2 /NDF:42.0/33

Out: 44.911 $\pm$ 14.011 χ^2 /NDF:34.9/36

All: 46.042 $\pm$ 9.954 χ^2 /NDF: 76.9/70

reg_asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 66.247 $\pm$ 0.019 χ^2 /NDF: 440944.2/16

Left Out: 60.523 $\pm$ 0.012 χ^2 /NDF: 191195.1/17

Right Out: 67.415 $\pm$ 0.018 χ^2 /NDF: 393608.5/18

Left In: 60.557 $\pm$ 0.012 χ^2 /NDF: 194495.9/16

Left: 60.540 $\pm$ 0.008 χ^2 /NDF: 385695.3/34

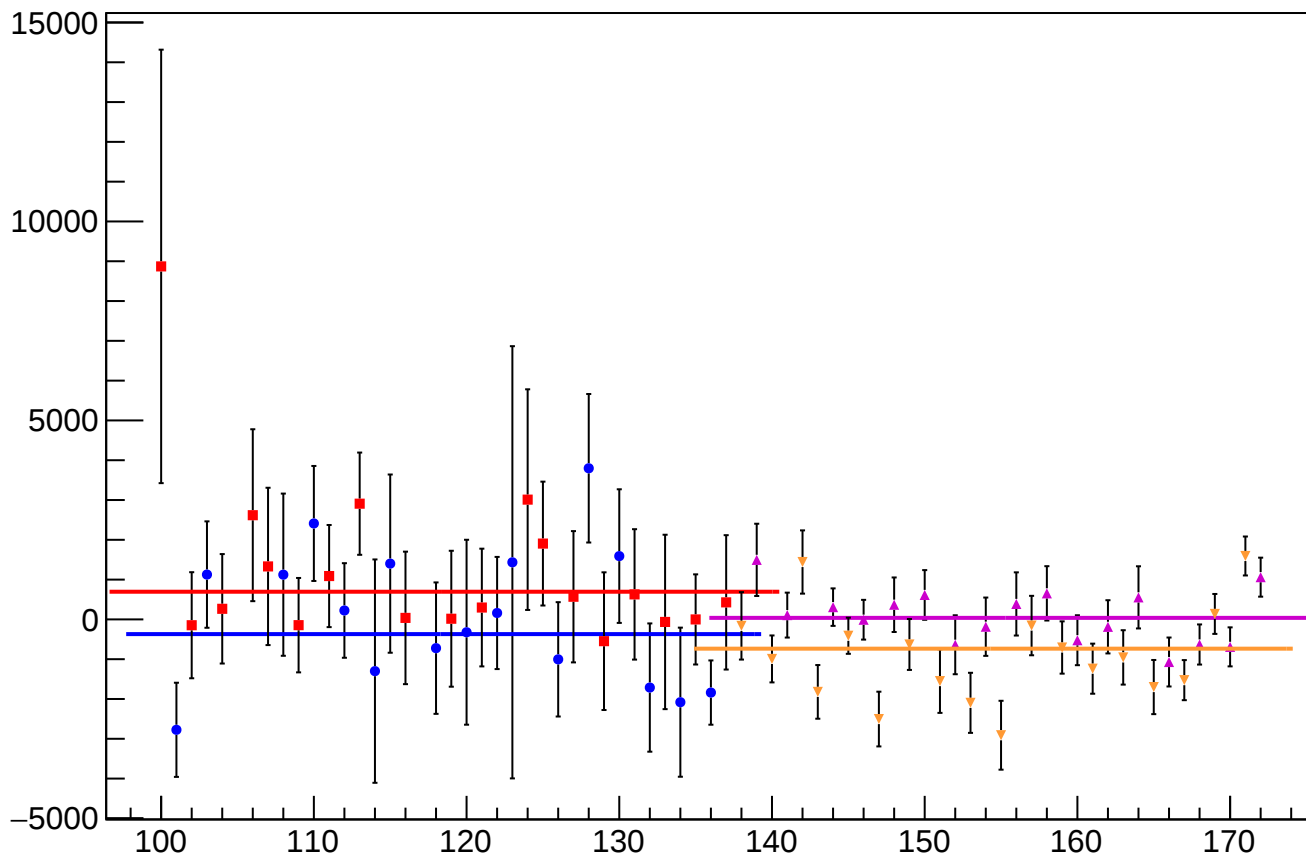
Right: 66.836 $\pm$ 0.013 χ^2 /NDF: 836536.0/35

In: 62.199 $\pm$ 0.010 χ^2 /NDF: 701870.2/33

Out: 62.506 $\pm$ 0.010 χ^2 /NDF: 683992.0/36

All: 62.354 $\pm$ 0.007 χ^2 /NDF: 1386337.2/70

asym_sam_12345678_avg_correction_mean vs Slug, Sign Corrected



Right In: -369.546 ± 366.432 χ^2/NDF : 22.3/16

Left Out: -735.466 ± 148.829 χ^2/NDF : 60.0/17

Right Out: 695.425 ± 361.887 χ^2/NDF : 9.9/18

Left In: 38.512 ± 146.959 χ^2/NDF : 18.9/16

Left: -343.583 ± 104.570 χ^2/NDF : 92.6/34

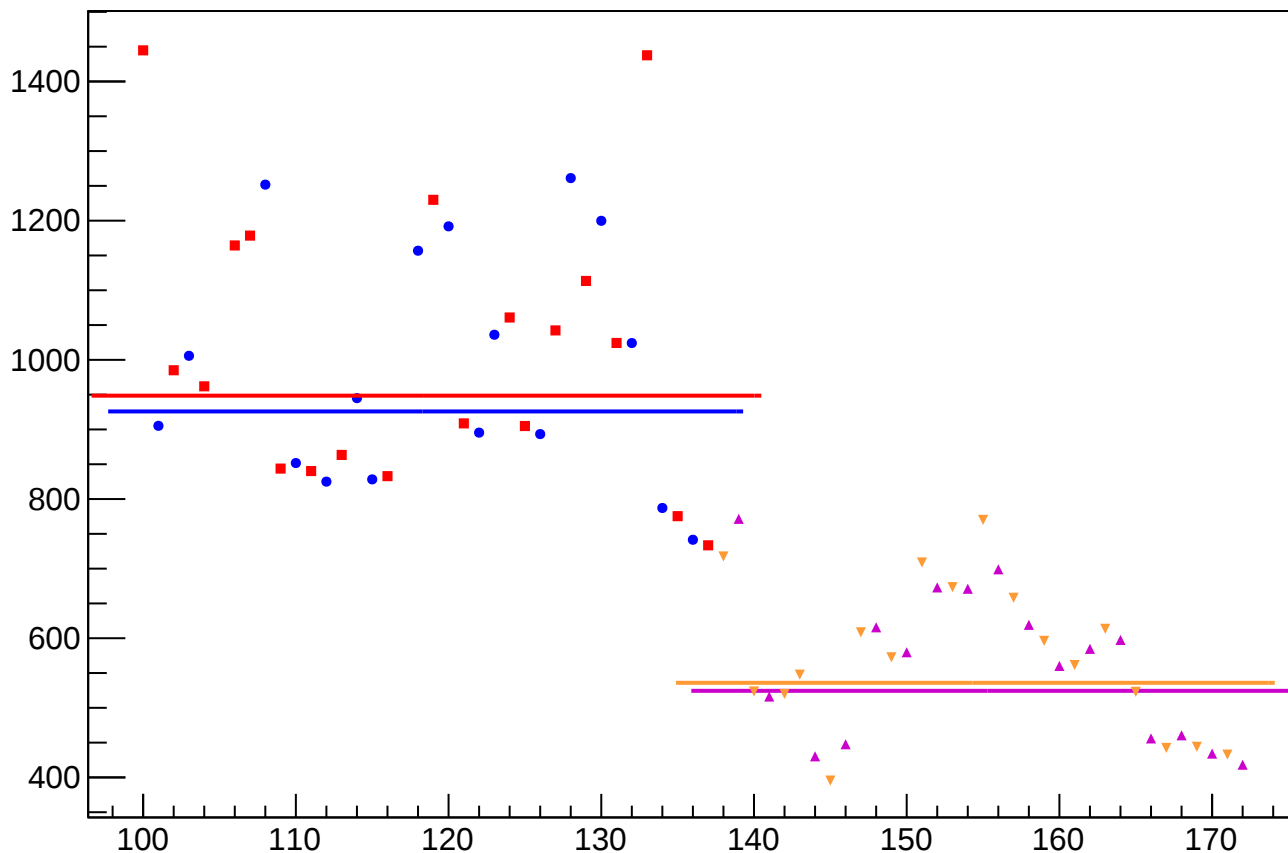
Right: 169.586 ± 257.485 χ^2/NDF : 36.5/35

In: -18.027 ± 136.398 χ^2/NDF : 42.2/33

Out: -528.466 ± 137.643 χ^2/NDF : 83.3/36

All: -270.927 ± 96.885 χ^2/NDF : 132.5/70

asym_sam_12345678_avg_correction_rms vs Slug, Sign Corrected



Right In: 925.885+/-0.259 χ^2/NDF : 391084.5/16

Left Out: 535.945+/-0.105 χ^2/NDF : 946158.1/17

Right Out: 948.553+/-0.256 χ^2/NDF : 381931.9/18

Left In: 524.427+/-0.104 χ^2/NDF : 881674.9/16

Left: 530.113+/-0.074 χ^2/NDF : 1833898.9/34

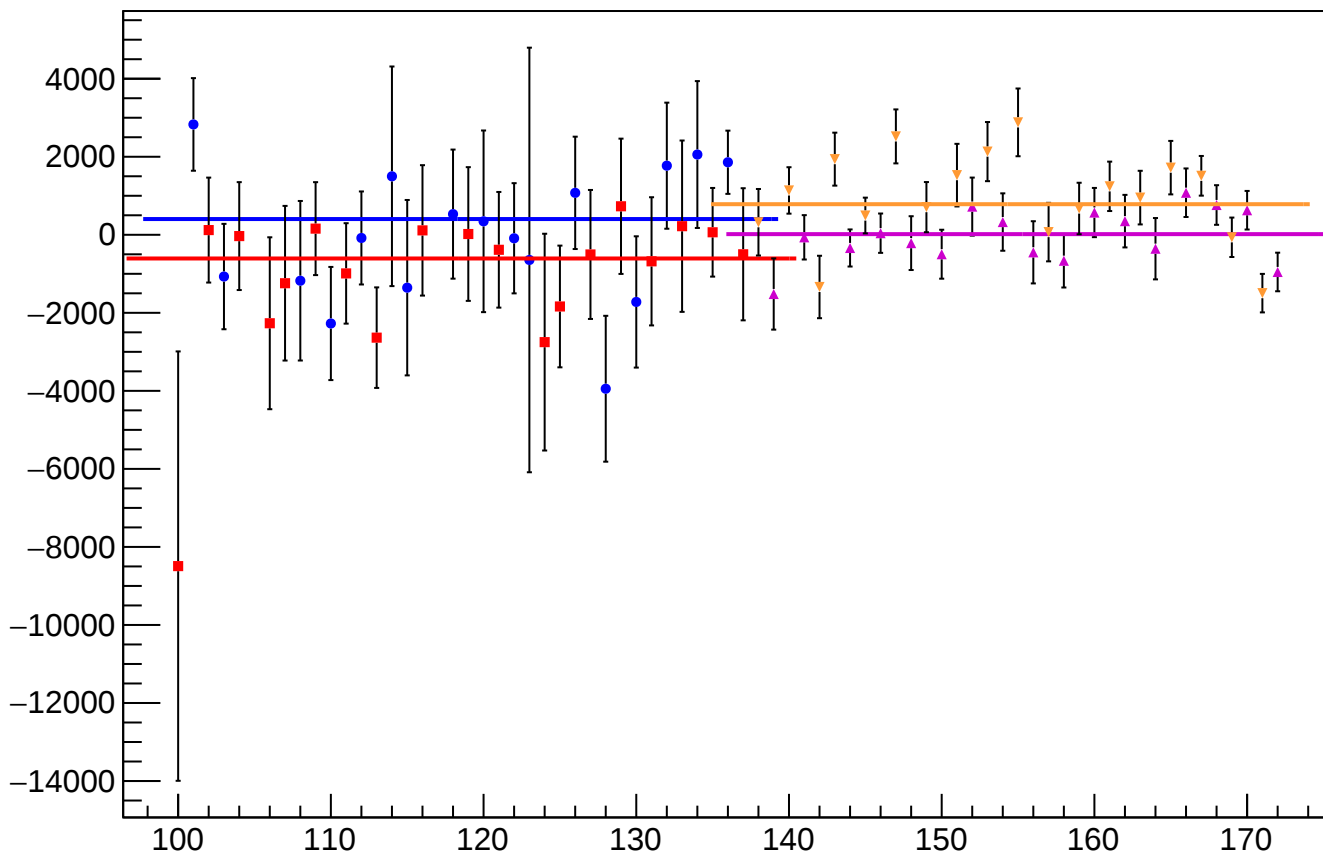
Right: 937.360+/-0.182 χ^2/NDF : 776890.8/35

In: 580.052+/-0.096 χ^2/NDF : 3340751.6/33

Out: 595.635+/-0.097 χ^2/NDF : 3551875.4/36

All: 587.773+/-0.069 χ^2/NDF : 6905562.0/70

asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 403.591 $\pm$ 367.686 χ^2 /NDF: 22.4/16

Left Out: 784.247 $\pm$ 149.865 χ^2 /NDF:56.7/17

Right Out: -607.276 $\pm$ 363.327 χ^2 /NDF: 8.8/18

Left In: 16.771 $\pm$ 148.028 χ^2 /NDF:18.3/16

Left: 395.778 $\pm$ 105.315 χ^2 /NDF: 88.3/34

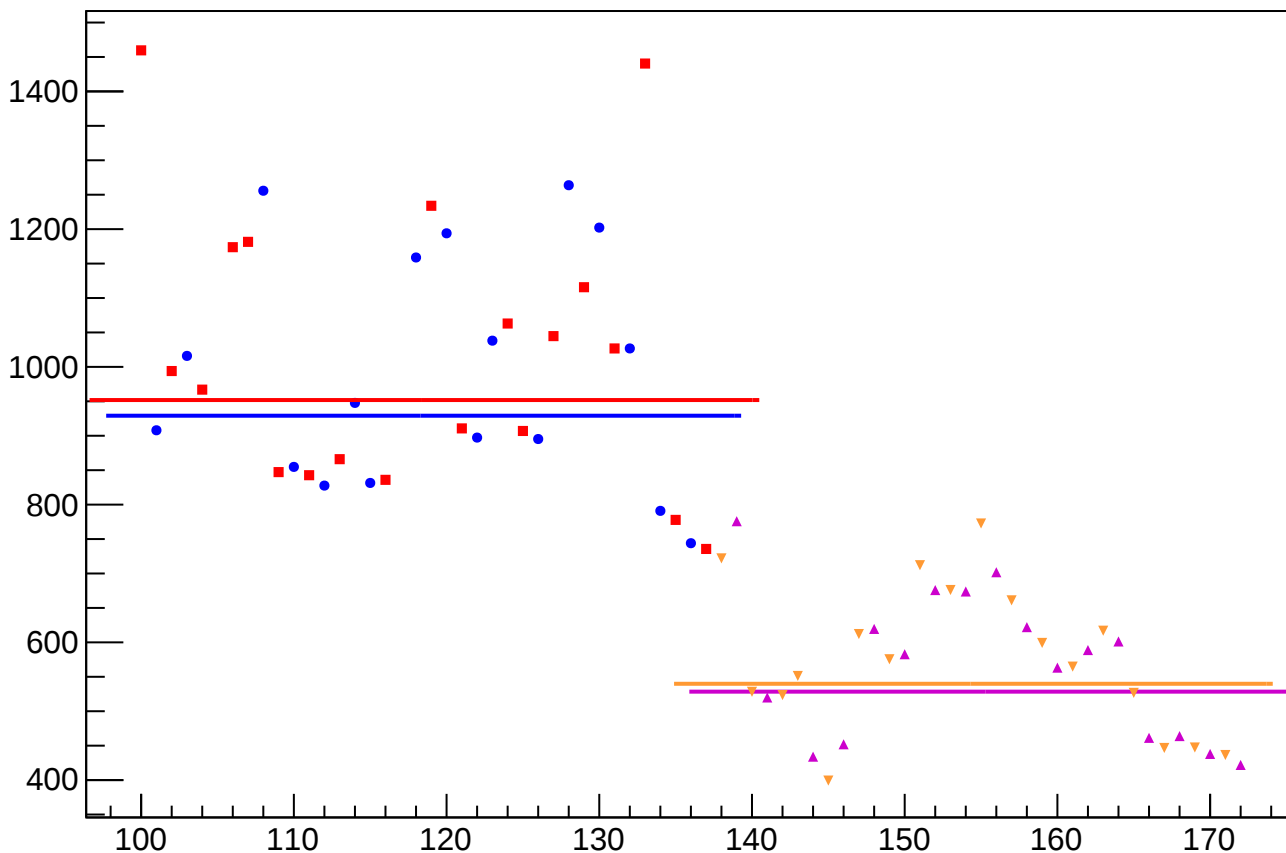
Right: -107.869 $\pm$ 258.438 χ^2 /NDF: 35.1/35

In: 70.723 $\pm$ 137.318 χ^2 /NDF:41.7/33

Out: 581.920 $\pm$ 138.542 χ^2 /NDF:78.1/36

All: 324.053 $\pm$ 97.528 χ^2 /NDF: 126.6/70

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 929.096 $\pm$ 0.260 χ^2 /NDF: 390292.1/16

Left Out: 539.852 $\pm$ 0.106 χ^2 /NDF: 929128.3/17

Right Out: 951.847 $\pm$ 0.257 χ^2 /NDF: 382219.3/18

Left In: 528.421 $\pm$ 0.105 χ^2 /NDF: 865423.8/16

Left: 534.066 $\pm$ 0.074 χ^2 /NDF: 1800441.4/34

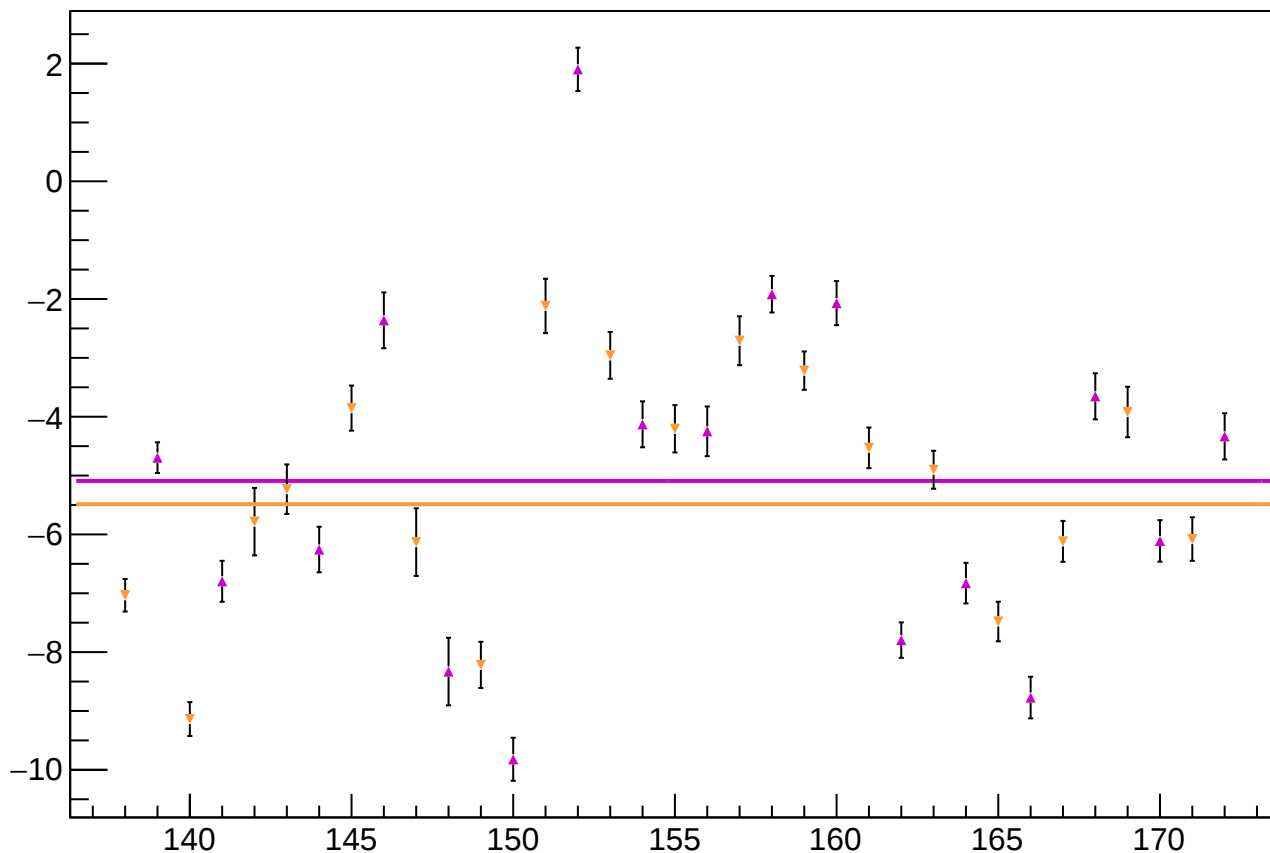
Right: 940.607 $\pm$ 0.183 χ^2 /NDF: 776385.5/35

In: 584.306 $\pm$ 0.097 χ^2 /NDF: 3299447.9/33

Out: 599.756 $\pm$ 0.098 χ^2 /NDF: 3509103.7/36

All: 591.963 $\pm$ 0.069 χ^2 /NDF: 6821098.9/70

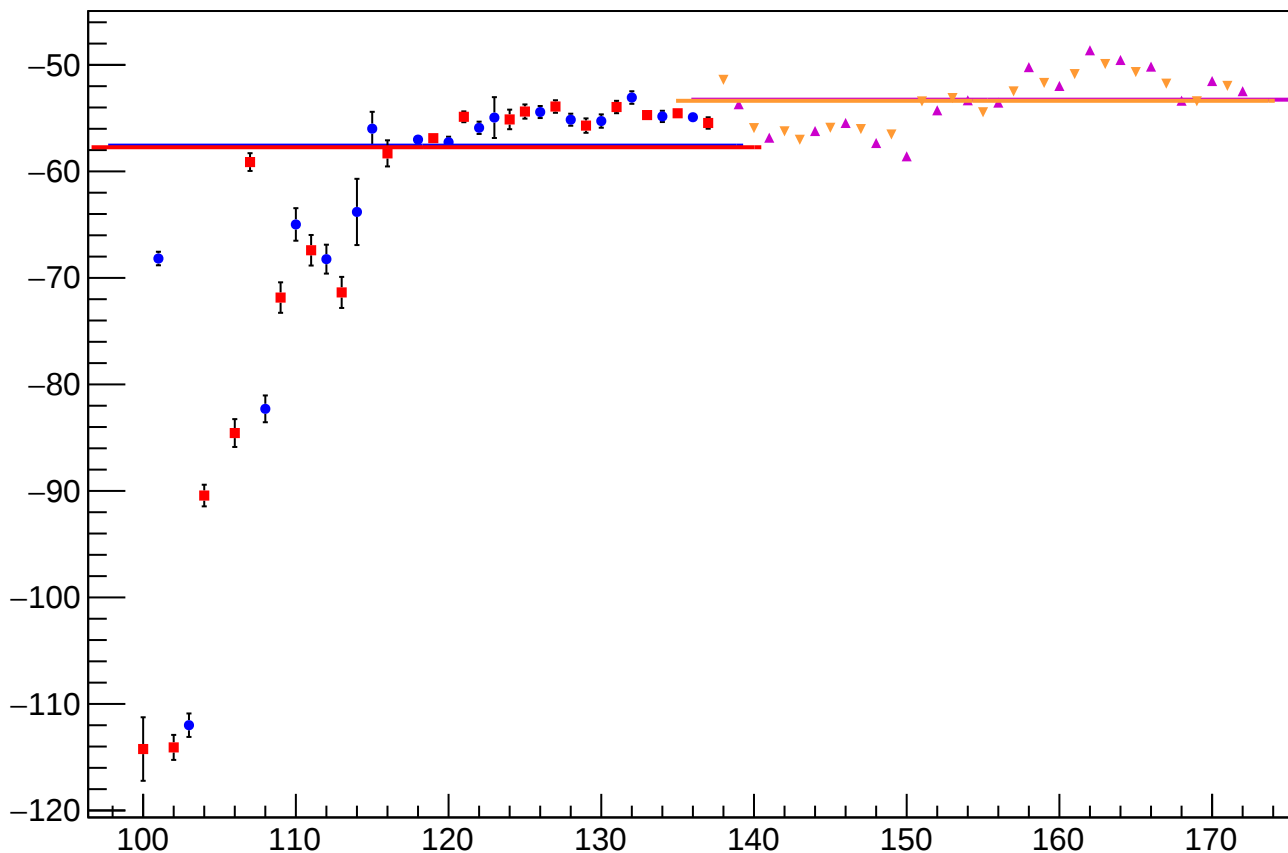
reg_asym_sam1_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left Out: -5.487 ± 0.088 χ^2/NDF : 522.7/17
 Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 Left In: -5.091 ± 0.088 χ^2/NDF : 1047.0/16

Left: -5.289 ± 0.062 χ^2/NDF : 1579.9/34
 Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0
 In: -5.091 ± 0.088 χ^2/NDF : 1047.0/16
 Out: -5.487 ± 0.088 χ^2/NDF : 522.7/17
 All: -5.289 ± 0.062 χ^2/NDF : 1579.9/34

reg_asym_sam1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -57.581 ± 0.143 χ^2/NDF : 3455.5/16

Left Out: -53.371 ± 0.066 χ^2/NDF : 1193.8/17

Right Out: -57.732 ± 0.143 χ^2/NDF : 4698.5/18

Left In: -53.265 ± 0.067 χ^2/NDF : 1937.1/16

Left: -53.320 ± 0.047 χ^2/NDF : 3132.2/34

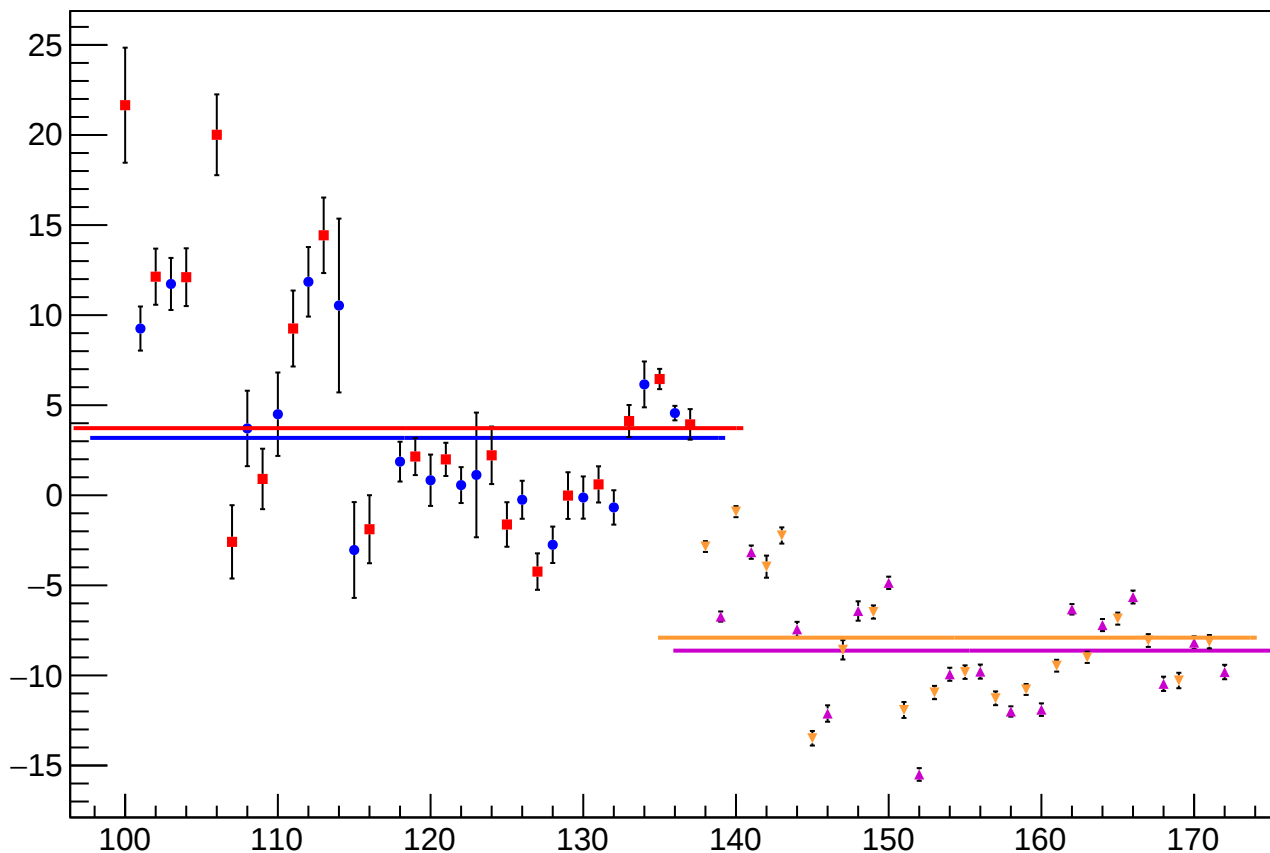
Right: -57.657 ± 0.101 χ^2/NDF : 8154.5/35

In: -54.047 ± 0.061 χ^2/NDF : 6137.8/33

Out: -54.130 ± 0.060 χ^2/NDF : 6660.9/36

All: -54.089 ± 0.043 χ^2/NDF : 12799.6/70

reg_asym_sam1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 3.185 ± 0.259 $\chi^2/\text{NDF}: 185.8/16$

Left Out: -7.904 ± 0.087 $\chi^2/\text{NDF}: 1632.2/17$

Right Out: 3.726 ± 0.268 $\chi^2/\text{NDF}: 324.1/18$

Left In: -8.624 ± 0.086 $\chi^2/\text{NDF}: 1277.9/16$

Left: -8.266 ± 0.061 $\chi^2/\text{NDF}: 2944.6/34$

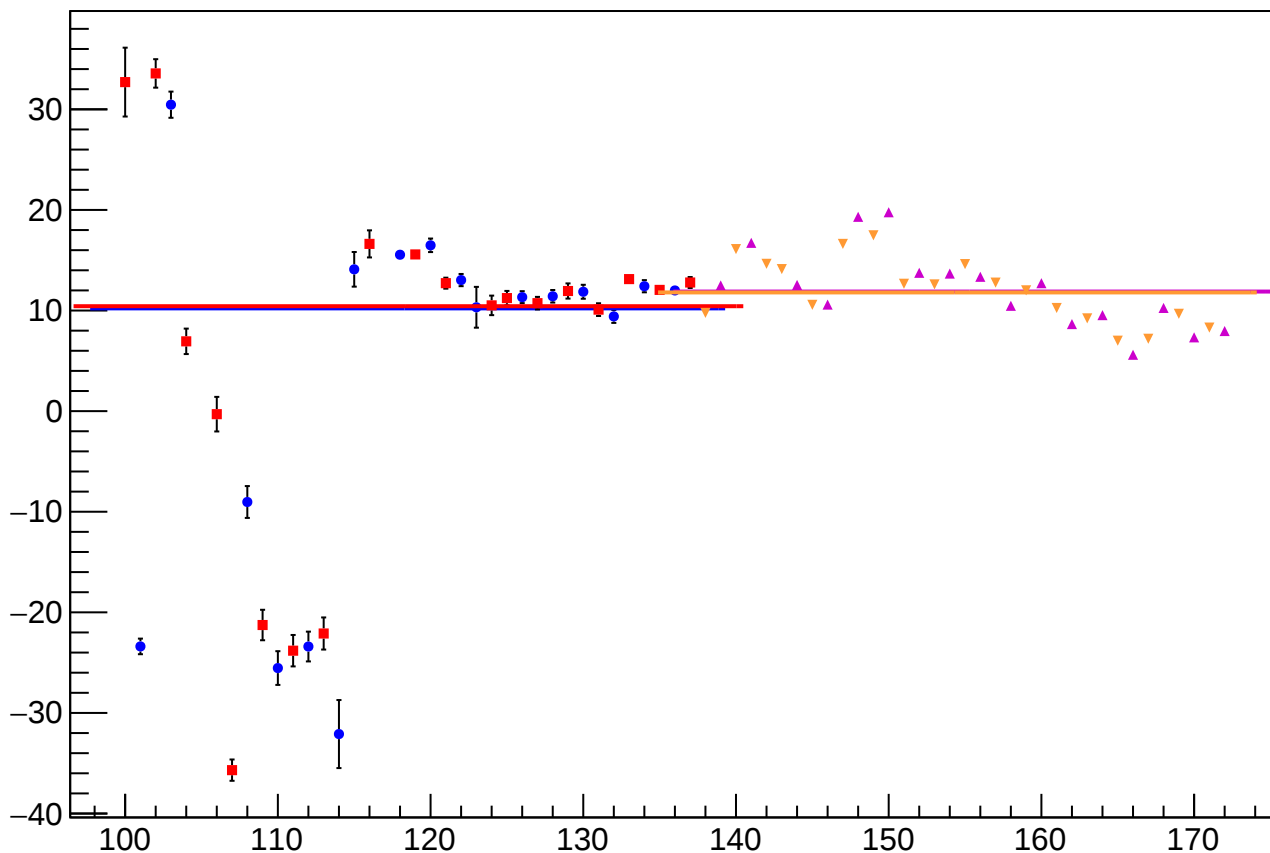
Right: 3.447 ± 0.186 $\chi^2/\text{NDF}: 512.0/35$

In: -7.442 ± 0.082 $\chi^2/\text{NDF}: 3334.5/33$

Out: -6.797 ± 0.083 $\chi^2/\text{NDF}: 3666.1/36$

All: -7.122 ± 0.058 $\chi^2/\text{NDF}: 7031.4/70$

reg_asym_sam1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.215 $\pm$ 0.158 χ^2 /NDF: 3692.6/16

Left Out: 11.800 $\pm$ 0.074 χ^2 /NDF:1688.2/17

Right Out: 10.430 $\pm$ 0.160 χ^2 /NDF: 3826.9/18

Left In: 11.887 $\pm$ 0.076 χ^2 /NDF:2481.0/16

Left: 11.843 $\pm$ 0.053 χ^2 /NDF: 4169.9/34

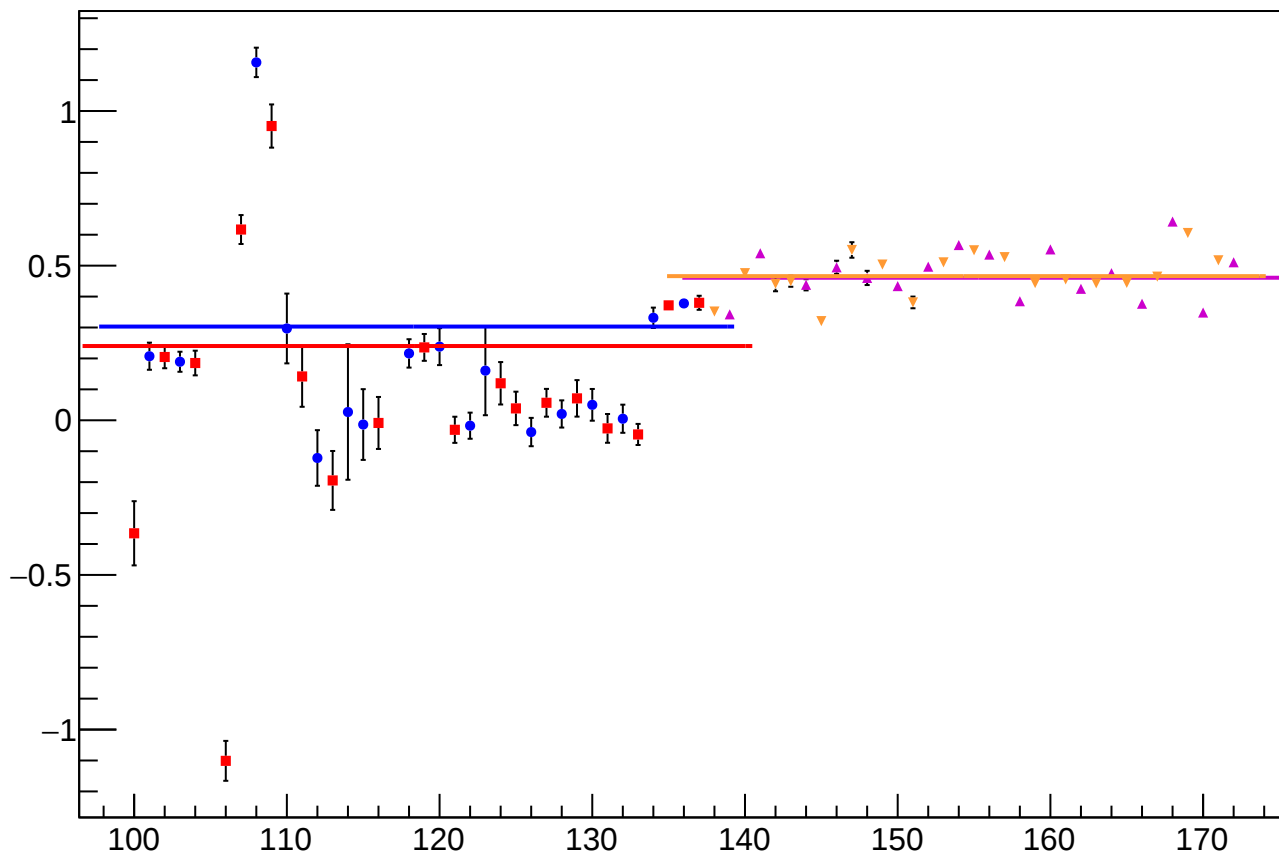
Right: 10.321 $\pm$ 0.112 χ^2 /NDF: 7520.5/35

In: 11.576 $\pm$ 0.068 χ^2 /NDF:6264.7/33

Out: 11.556 $\pm$ 0.067 χ^2 /NDF:5575.3/36

All: 11.566 $\pm$ 0.048 χ^2 /NDF: 11840.1/70

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.303 $\pm$ 0.008 χ^2 /NDF: 646.3/16

Left Out: 0.466 $\pm$ 0.003 χ^2 /NDF:401.6/17

Right Out: 0.240 $\pm$ 0.009 χ^2 /NDF: 984.4/18

Left In: 0.461 $\pm$ 0.003 χ^2 /NDF:668.2/16

Left: 0.463 $\pm$ 0.002 χ^2 /NDF: 1071.1/34

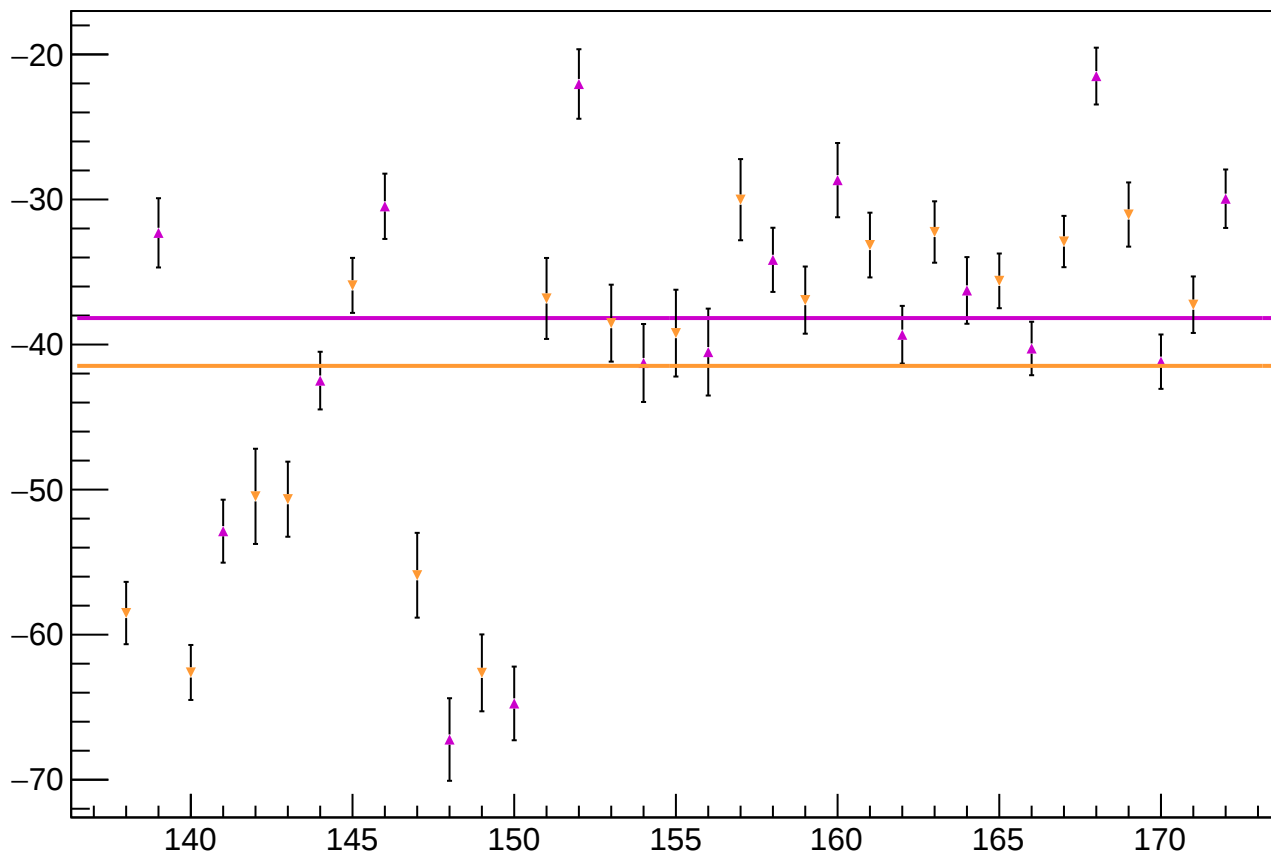
Right: 0.273 $\pm$ 0.006 χ^2 /NDF: 1658.9/35

In: 0.439 $\pm$ 0.003 χ^2 /NDF:1632.3/33

Out: 0.436 $\pm$ 0.003 χ^2 /NDF:1994.7/36

All: 0.437 $\pm$ 0.002 χ^2 /NDF: 3627.5/70

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -41.470+/-0.537 χ^2/NDF :422.3/17

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

Left In: -38.175+/-0.540 χ^2/NDF :440.4/16

Left: -39.832+/-0.381 χ^2/NDF : 881.4/34

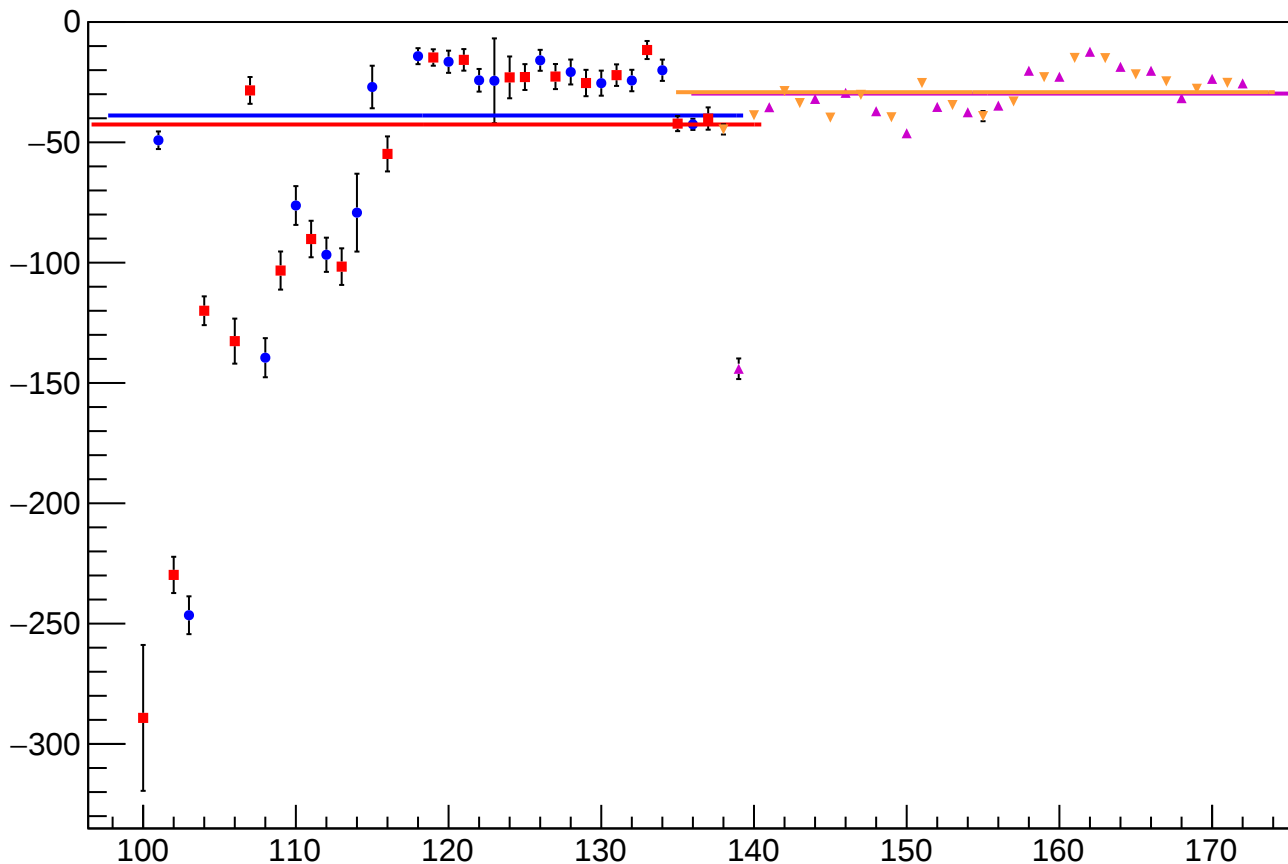
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -38.175+/-0.540 χ^2/NDF :440.4/16

Out: -41.470+/-0.537 χ^2/NDF :422.3/17

All: -39.832+/-0.381 χ^2/NDF : 881.4/34

reg_asym_sam2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -38.844 ± 1.148 $\chi^2/\text{NDF}: 1121.9/16$

Left Out: -29.162 ± 0.392 $\chi^2/\text{NDF}: 438.6/17$

Right Out: -42.586 ± 1.210 $\chi^2/\text{NDF}: 1345.7/18$

Left In: -29.738 ± 0.398 $\chi^2/\text{NDF}: 1153.5/16$

Left: -29.446 ± 0.279 $\chi^2/\text{NDF}: 1593.1/34$

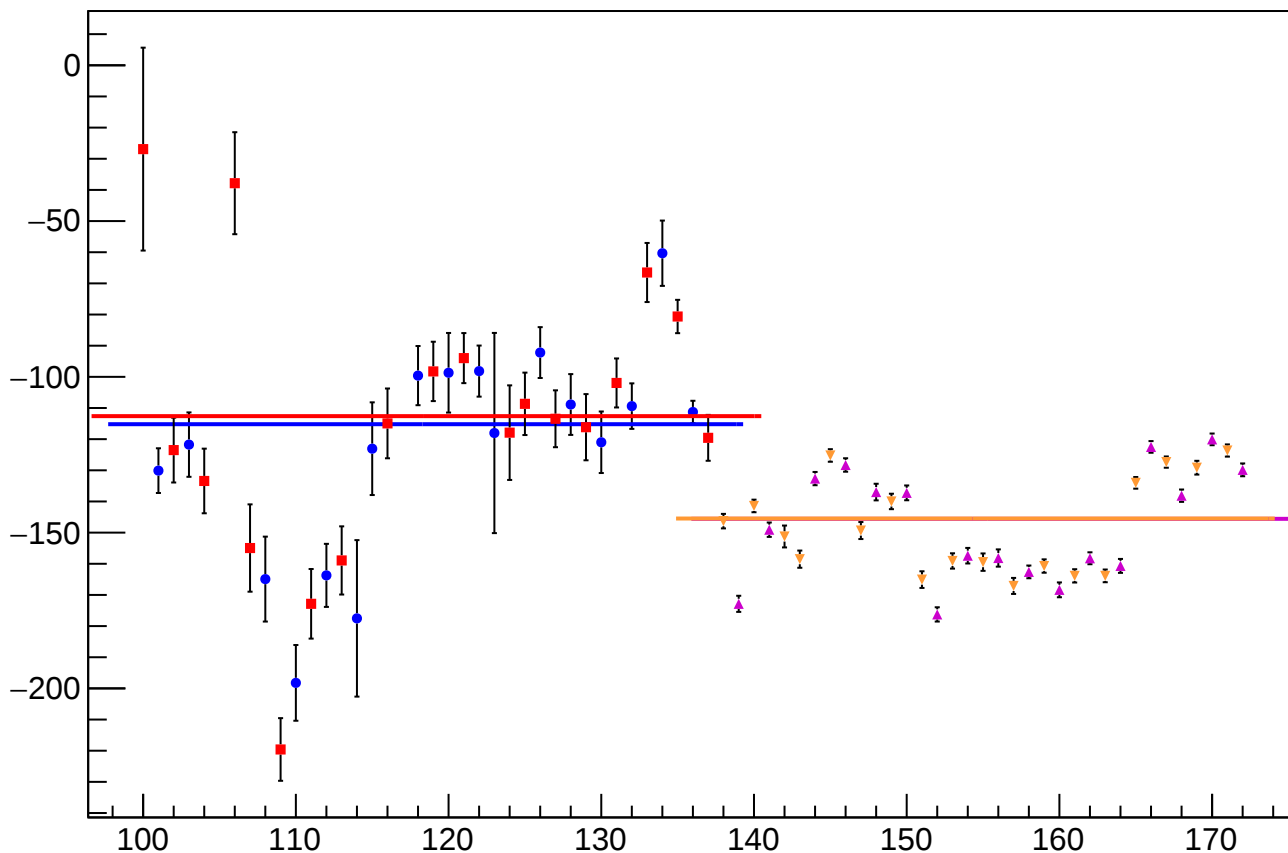
Right: -40.617 ± 0.833 $\chi^2/\text{NDF}: 2472.6/35$

In: -30.715 ± 0.376 $\chi^2/\text{NDF}: 2331.6/33$

Out: -30.437 ± 0.373 $\chi^2/\text{NDF}: 1895.6/36$

All: -30.575 ± 0.265 $\chi^2/\text{NDF}: 4227.4/70$

reg_asym_sam2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -115.199 ± 2.081 χ^2/NDF : 140.8/16

Left Out: -145.476 ± 0.534 χ^2/NDF : 839.1/17

Right Out: -112.611 ± 2.209 χ^2/NDF : 272.4/18

Left In: -145.574 ± 0.533 χ^2/NDF : 1118.5/16

Left: -145.525 ± 0.377 χ^2/NDF : 1957.7/34

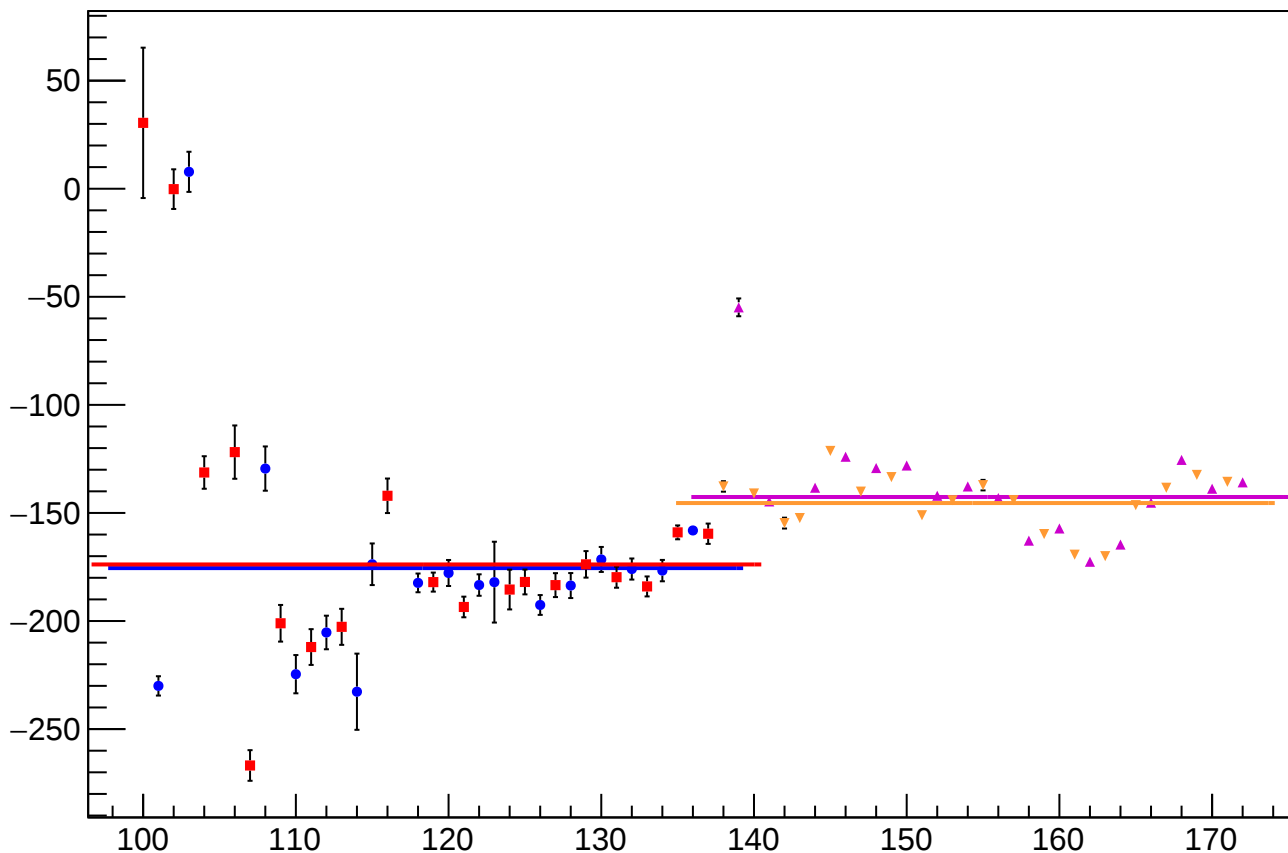
Right: -113.982 ± 1.515 χ^2/NDF : 413.9/35

In: -143.704 ± 0.516 χ^2/NDF : 1459.2/33

Out: -143.659 ± 0.519 χ^2/NDF : 1320.6/36

All: -143.682 ± 0.366 χ^2/NDF : 2779.7/70

reg_asym_sam2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -175.521 ± 1.277 χ^2/NDF : 692.3/16

Left Out: -145.420 ± 0.450 χ^2/NDF : 886.2/17

Right Out: -173.830 ± 1.357 χ^2/NDF : 737.9/18

Left In: -142.622 ± 0.455 χ^2/NDF : 1452.1/16

Left: -144.037 ± 0.320 χ^2/NDF : 2357.5/34

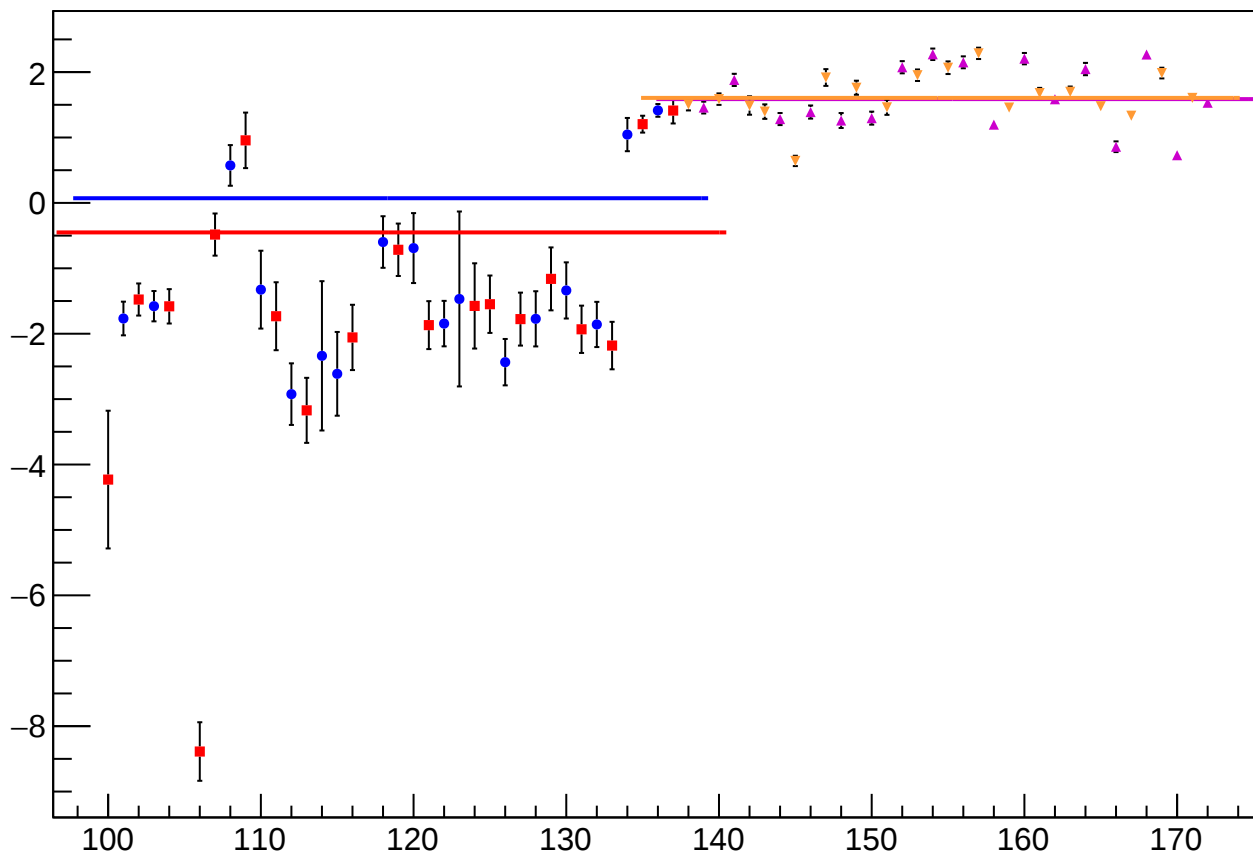
Right: -174.726 ± 0.930 χ^2/NDF : 1431.0/35

In: -146.321 ± 0.428 χ^2/NDF : 2733.4/33

Out: -148.232 ± 0.427 χ^2/NDF : 2019.3/36

All: -147.280 ± 0.302 χ^2/NDF : 4762.7/70

reg_asym_sam2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.072 ± 0.067 χ^2/NDF : 525.2/16

Left Out: 1.606 ± 0.021 χ^2/NDF : 307.1/17

Right Out: -0.451 ± 0.071 χ^2/NDF : 751.3/18

Left In: 1.587 ± 0.021 χ^2/NDF : 590.9/16

Left: 1.596 ± 0.015 χ^2/NDF : 898.4/34

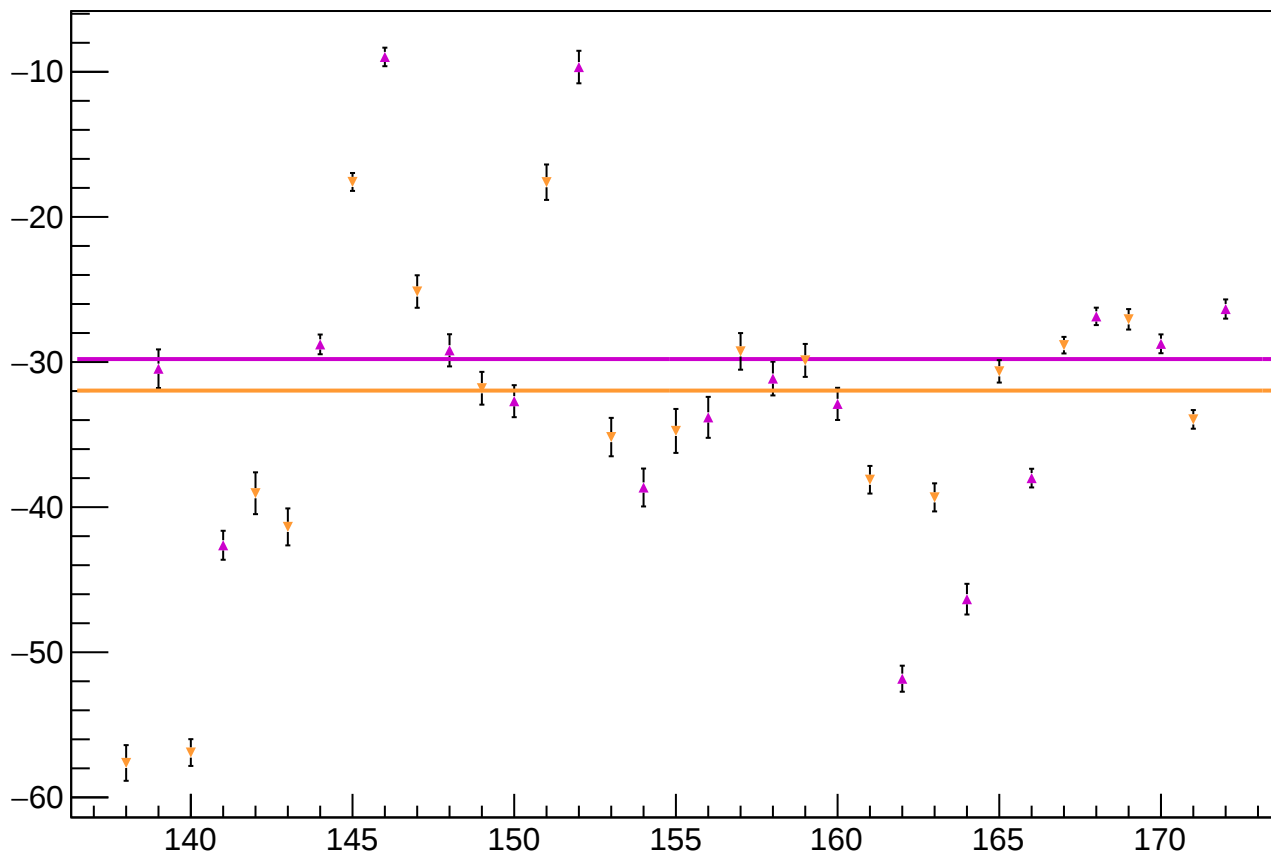
Right: -0.174 ± 0.049 χ^2/NDF : 1305.0/35

In: 1.455 ± 0.020 χ^2/NDF : 1581.1/33

Out: 1.445 ± 0.020 χ^2/NDF : 1824.9/36

All: 1.450 ± 0.014 χ^2/NDF : 3406.1/70

reg_asym_sam3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.966 $\pm$ 0.215 χ^2 /NDF:2171.0/17

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

Left In: -29.795 $\pm$ 0.207 χ^2 /NDF:2686.7/16

Left: -30.840 $\pm$ 0.149 χ^2 /NDF: 4910.4/34

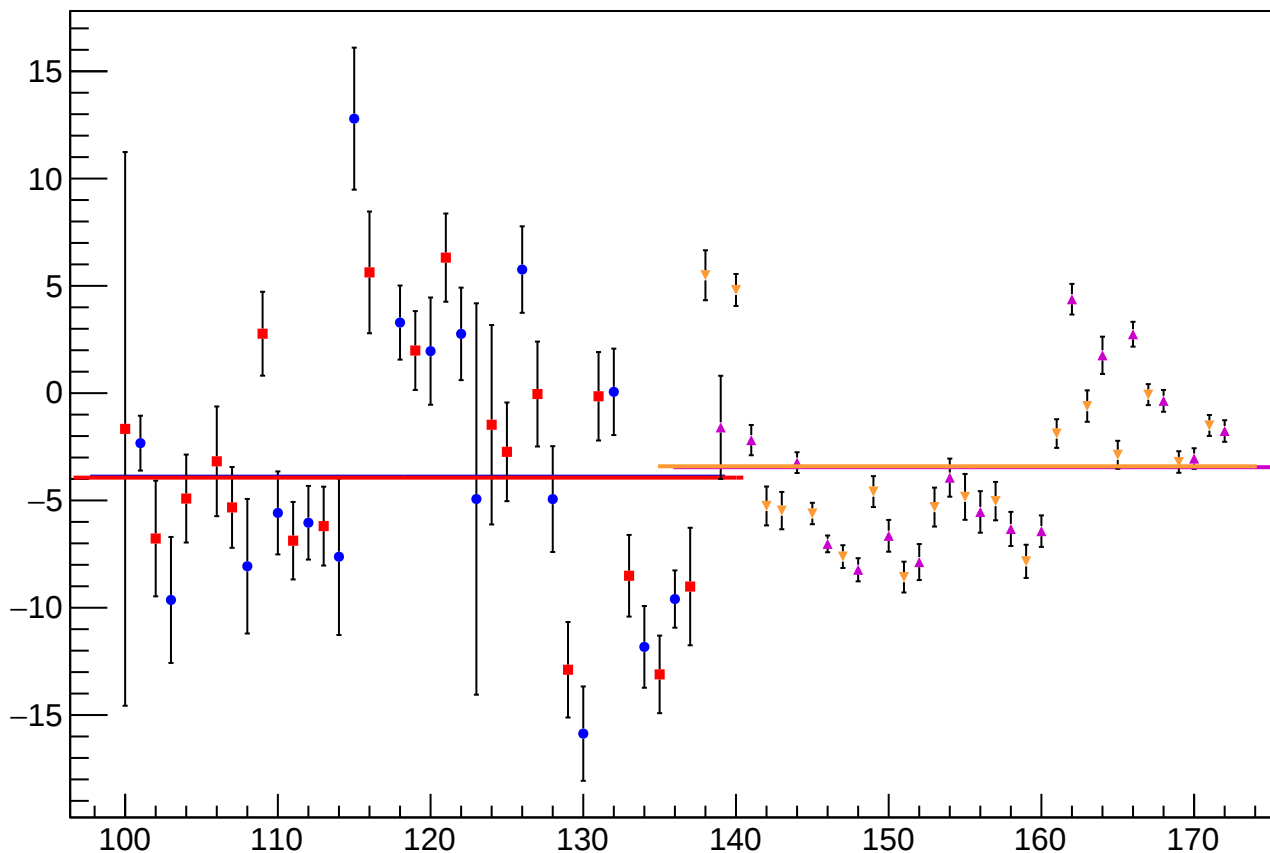
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -29.795 $\pm$ 0.207 χ^2 /NDF:2686.7/16

Out: -31.966 $\pm$ 0.215 χ^2 /NDF:2171.0/17

All: -30.840 $\pm$ 0.149 χ^2 /NDF: 4910.4/34

reg_asym_sam3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.890 ± 0.498 $\chi^2/\text{NDF}: 160.5/16$

Left Out: -3.409 ± 0.157 $\chi^2/\text{NDF}: 451.5/17$

Right Out: -3.937 ± 0.507 $\chi^2/\text{NDF}: 122.2/18$

Left In: -3.450 ± 0.151 $\chi^2/\text{NDF}: 567.1/16$

Left: -3.430 ± 0.109 $\chi^2/\text{NDF}: 1018.6/34$

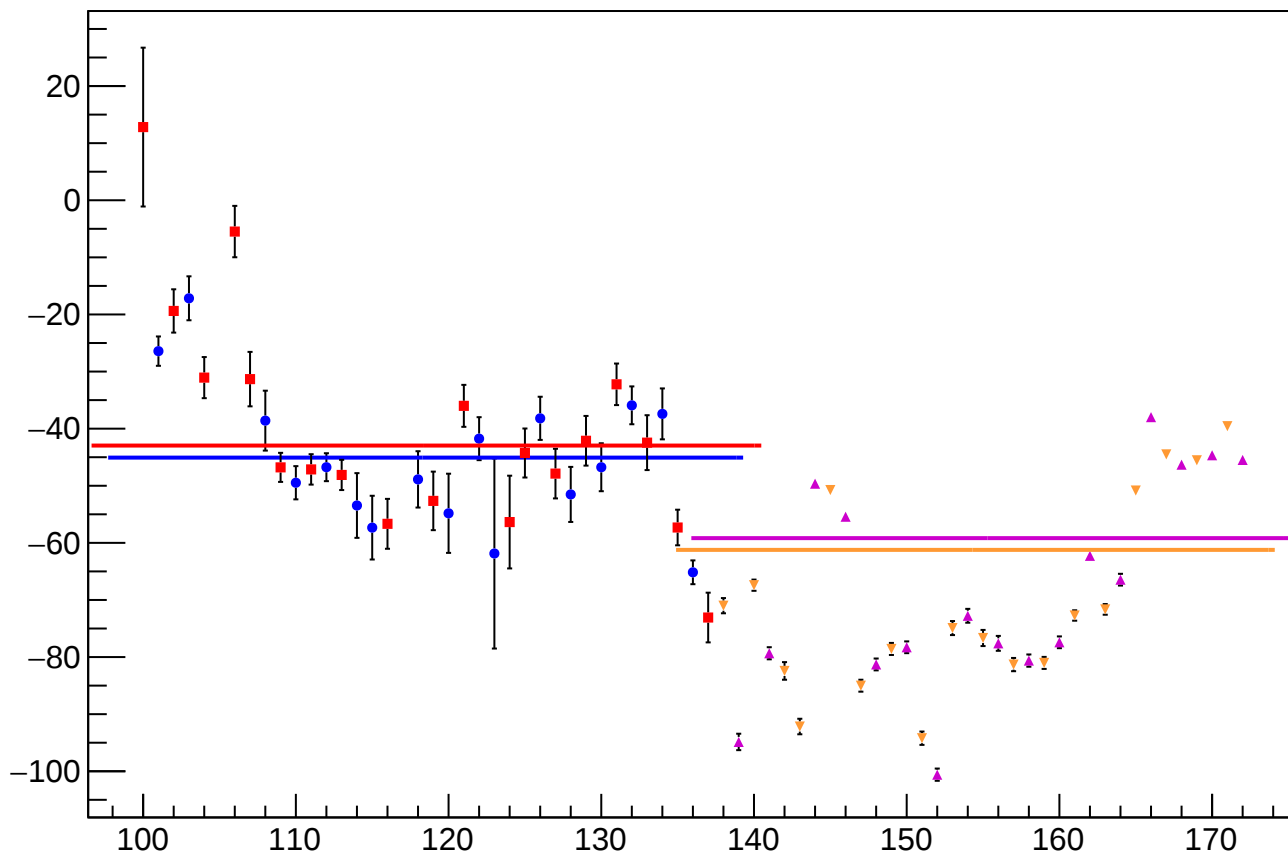
Right: -3.913 ± 0.355 $\chi^2/\text{NDF}: 282.6/35$

In: -3.487 ± 0.144 $\chi^2/\text{NDF}: 728.3/33$

Out: -3.455 ± 0.150 $\chi^2/\text{NDF}: 574.6/36$

All: -3.472 ± 0.104 $\chi^2/\text{NDF}: 1302.9/70$

reg_asym_sam3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -45.070 ± 0.883 χ^2/NDF : 229.7/16

Left Out: -61.229 ± 0.215 χ^2/NDF : 6436.2/17

Right Out: -42.959 ± 0.878 χ^2/NDF : 248.3/18

Left In: -59.172 ± 0.206 χ^2/NDF : 6973.5/16

Left: -60.156 ± 0.149 χ^2/NDF : 13457.4/34

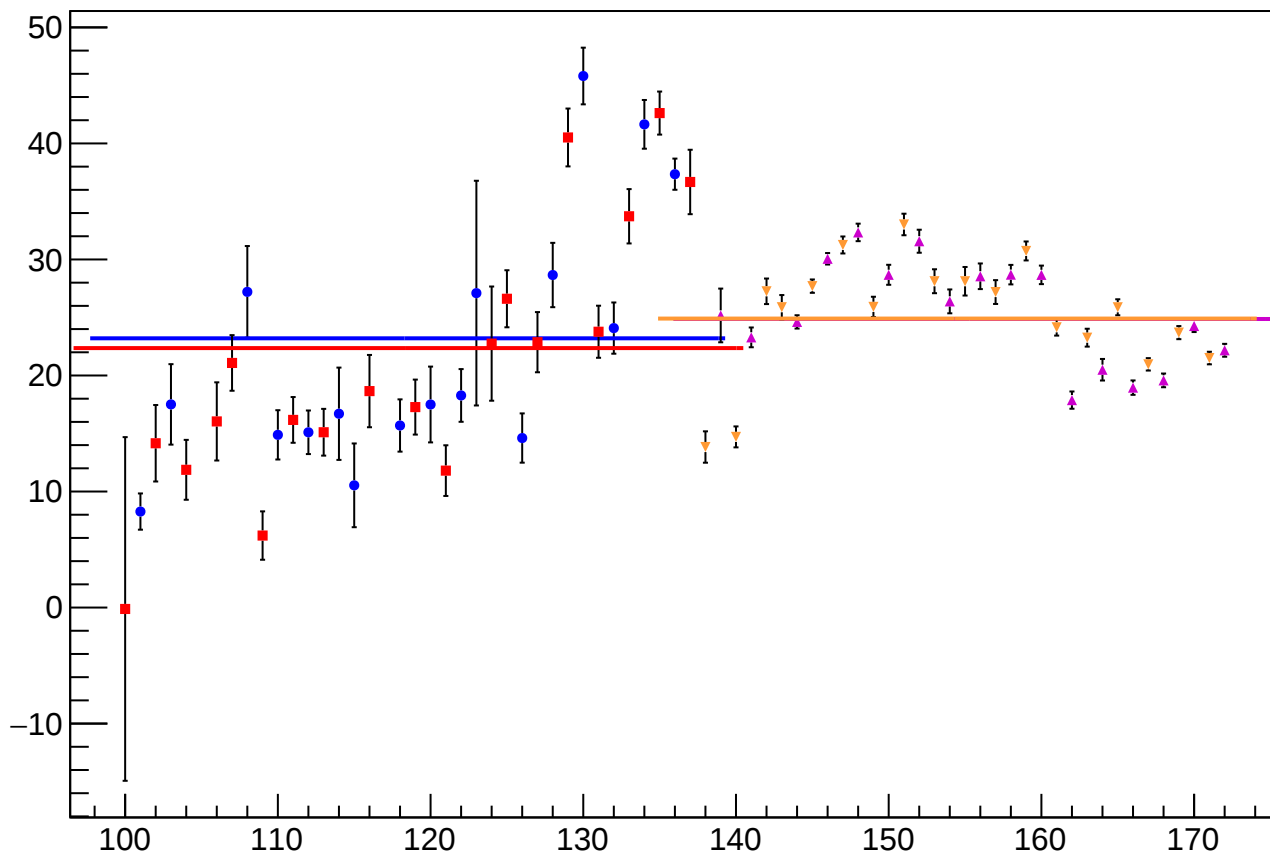
Right: -44.008 ± 0.623 χ^2/NDF : 480.9/35

In: -58.445 ± 0.201 χ^2/NDF : 7444.9/33

Out: -60.194 ± 0.209 χ^2/NDF : 7093.1/36

All: -59.284 ± 0.145 χ^2/NDF : 14574.5/70

reg_asym_sam3_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 23.205 $\pm$ 0.559 χ^2/NDF : 457.3/16

Left Out: 24.905 $\pm$ 0.181 χ^2/NDF :554.8/17

Right Out: 22.361 $\pm$ 0.573 χ^2/NDF : 366.9/18

Left In: 24.870 $\pm$ 0.174 χ^2/NDF :639.8/16

Left: 24.887 $\pm$ 0.125 χ^2/NDF : 1194.6/34

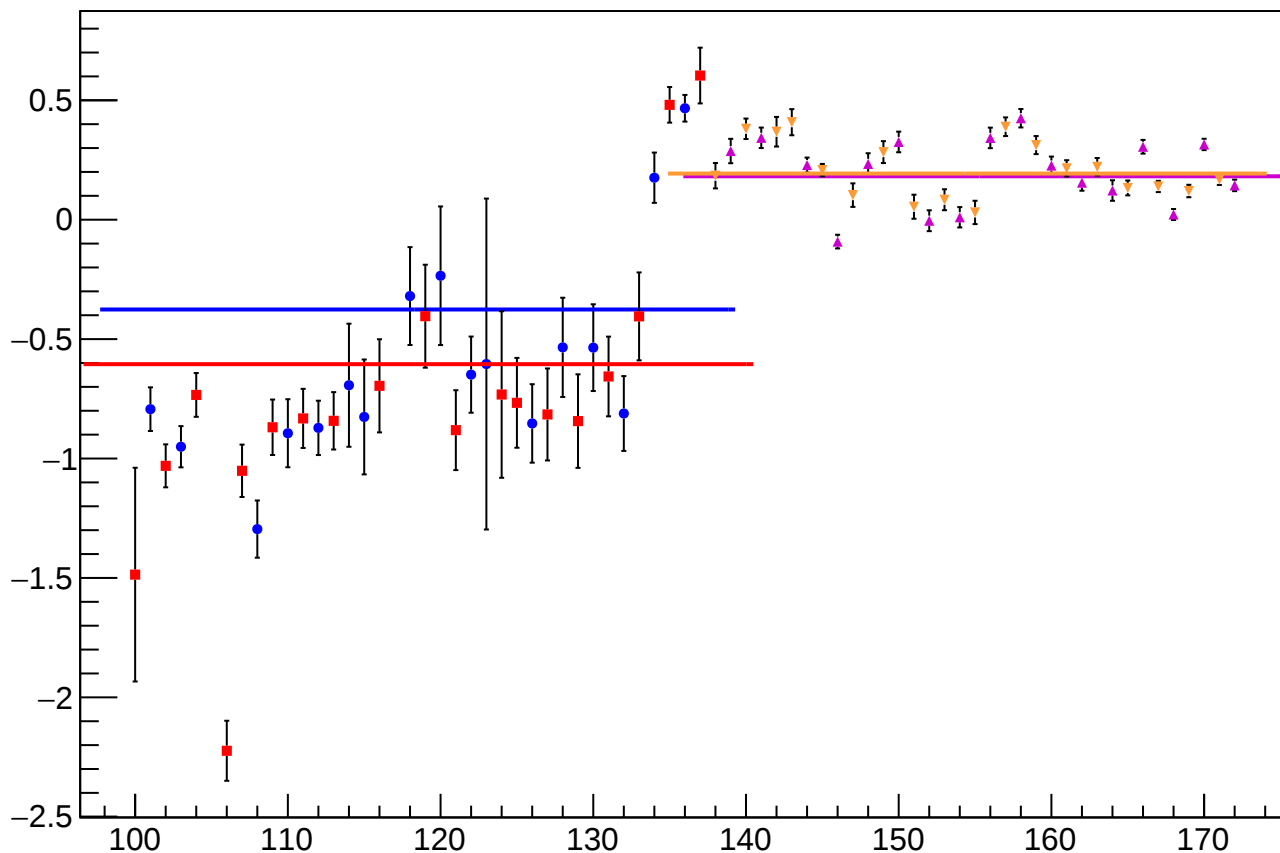
Right: 22.793 $\pm$ 0.400 χ^2/NDF : 825.2/35

In: 24.722 $\pm$ 0.166 χ^2/NDF :1105.2/33

Out: 24.675 $\pm$ 0.172 χ^2/NDF :939.6/36

All: 24.699 $\pm$ 0.120 χ^2/NDF : 2044.8/70

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.376 ± 0.030 $\chi^2/\text{NDF}: 437.3/16$

Left Out: 0.193 ± 0.008 $\chi^2/\text{NDF}: 129.2/17$

Right Out: -0.605 ± 0.030 $\chi^2/\text{NDF}: 551.1/18$

Left In: 0.182 ± 0.008 $\chi^2/\text{NDF}: 316.8/16$

Left: 0.187 ± 0.006 $\chi^2/\text{NDF}: 446.9/34$

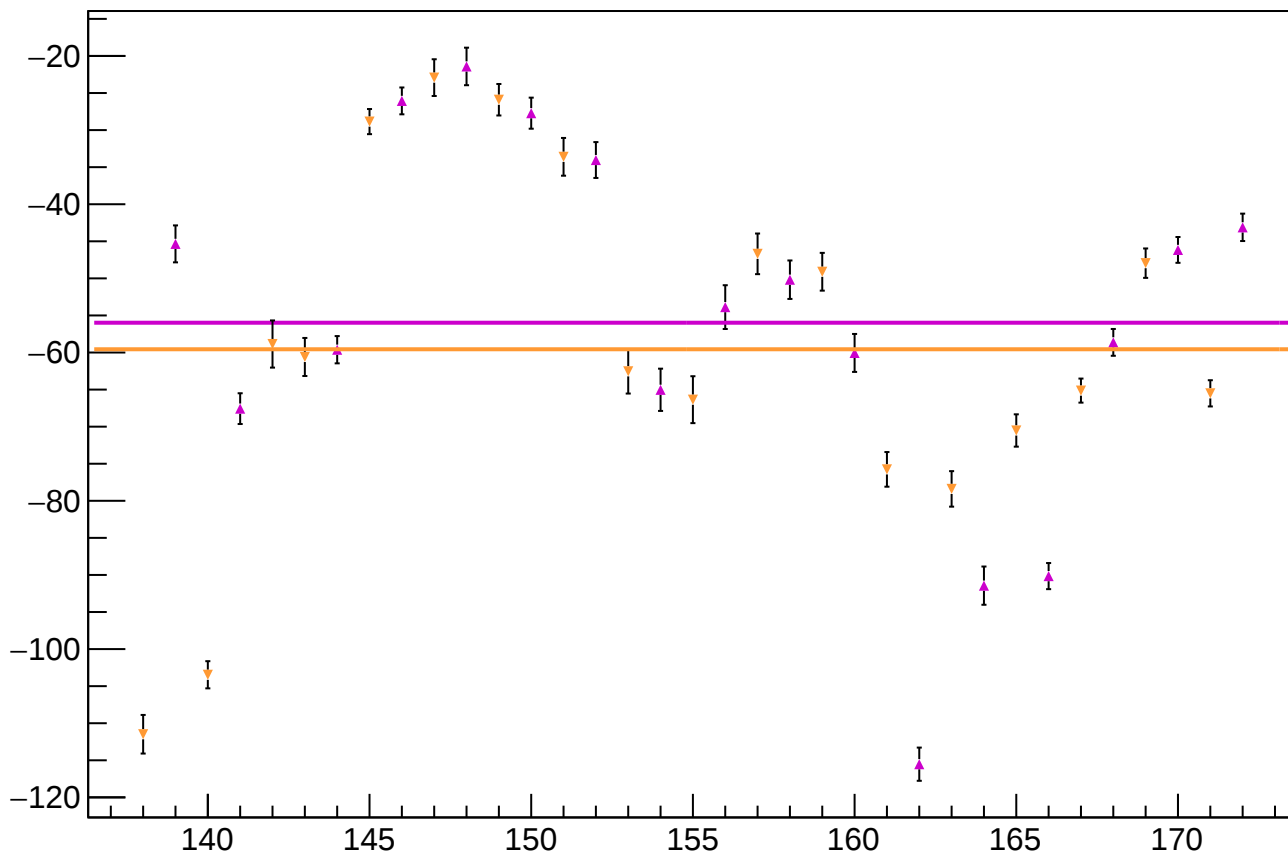
Right: -0.490 ± 0.021 $\chi^2/\text{NDF}: 1017.2/35$

In: 0.144 ± 0.008 $\chi^2/\text{NDF}: 1073.7/33$

Out: 0.137 ± 0.008 $\chi^2/\text{NDF}: 1328.4/36$

All: 0.141 ± 0.006 $\chi^2/\text{NDF}: 2402.5/70$

reg_asym_sam4_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -59.561+/-0.527 χ^2/NDF :2110.5/17

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

Left In: -55.982+/-0.521 χ^2/NDF :2150.3/16

Left: -57.750+/-0.370 χ^2/NDF : 4284.1/34

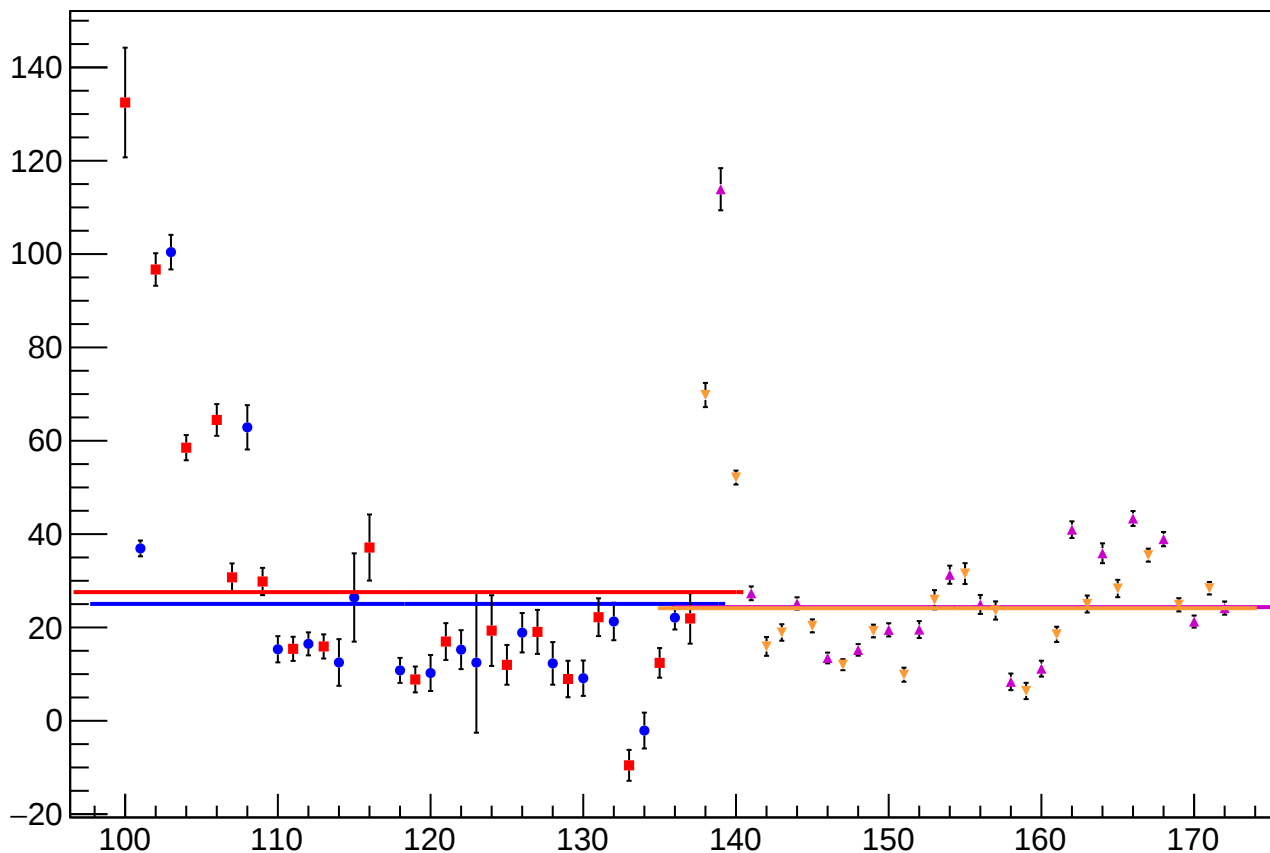
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -55.982+/-0.521 χ^2/NDF :2150.3/16

Out: -59.561+/-0.527 χ^2/NDF :2110.5/17

All: -57.750+/-0.370 χ^2/NDF : 4284.1/34

reg_asym_sam4_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.045 $\pm$ 0.806 χ^2 /NDF: 686.4/16

Left Out: 24.129 $\pm$ 0.380 χ^2 /NDF:1106.7/17

Right Out: 27.573 $\pm$ 0.810 χ^2 /NDF: 1012.8/18

Left In: 24.360 $\pm$ 0.381 χ^2 /NDF:1067.6/16

Left: 24.244 $\pm$ 0.269 χ^2 /NDF: 2174.5/34

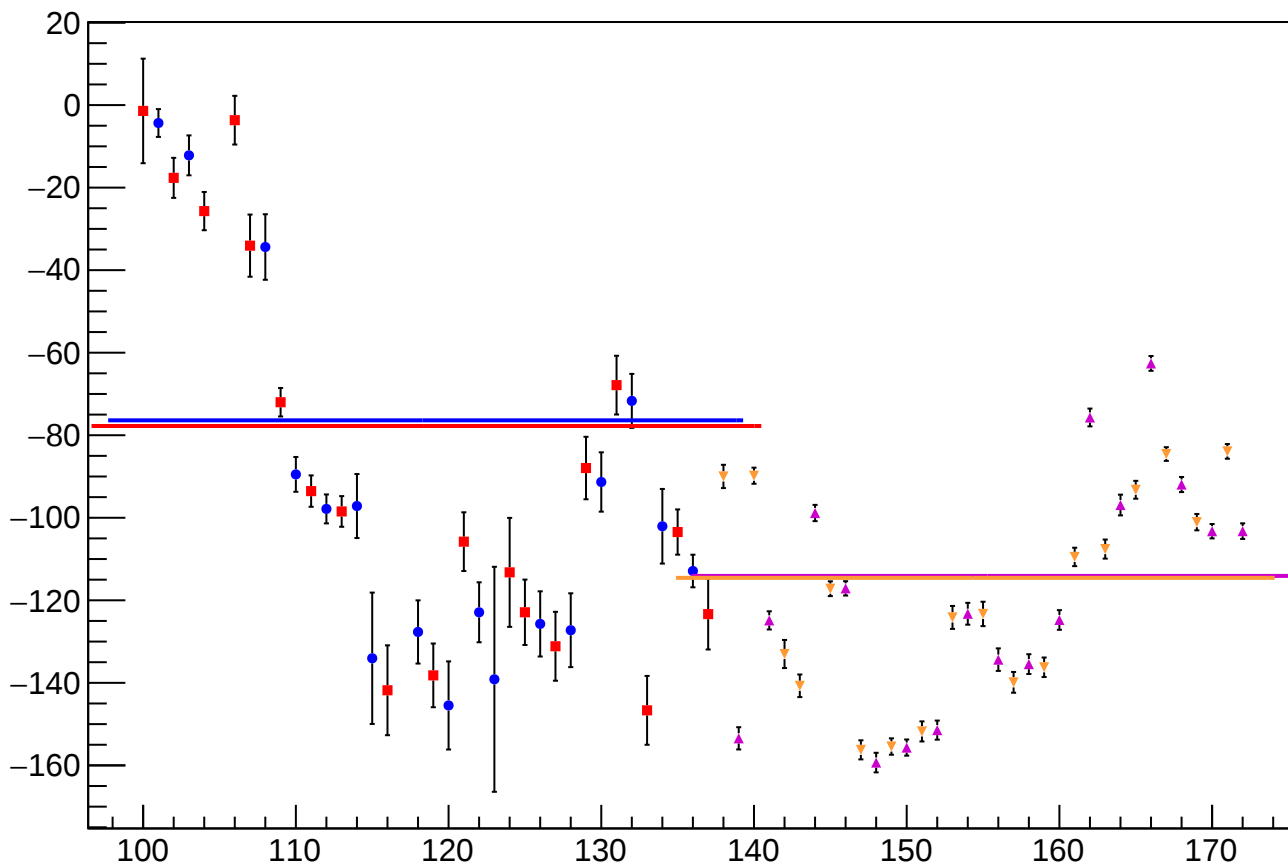
Right: 26.303 $\pm$ 0.571 χ^2 /NDF: 1704.1/35

In: 24.485 $\pm$ 0.344 χ^2 /NDF:1754.7/33

Out: 24.751 $\pm$ 0.344 χ^2 /NDF:2134.3/36

All: 24.618 $\pm$ 0.243 χ^2 /NDF: 3889.2/70

reg_asym_sam4_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -76.392 ± 1.416 $\chi^2/\text{NDF}: 1031.9/16$

Left Out: -114.561 ± 0.524 $\chi^2/\text{NDF}: 2327.2/17$

Right Out: -77.761 ± 1.353 $\chi^2/\text{NDF}: 872.7/18$

Left In: -114.088 ± 0.515 $\chi^2/\text{NDF}: 2946.3/16$

Left: -114.320 ± 0.367 $\chi^2/\text{NDF}: 5274.0/34$

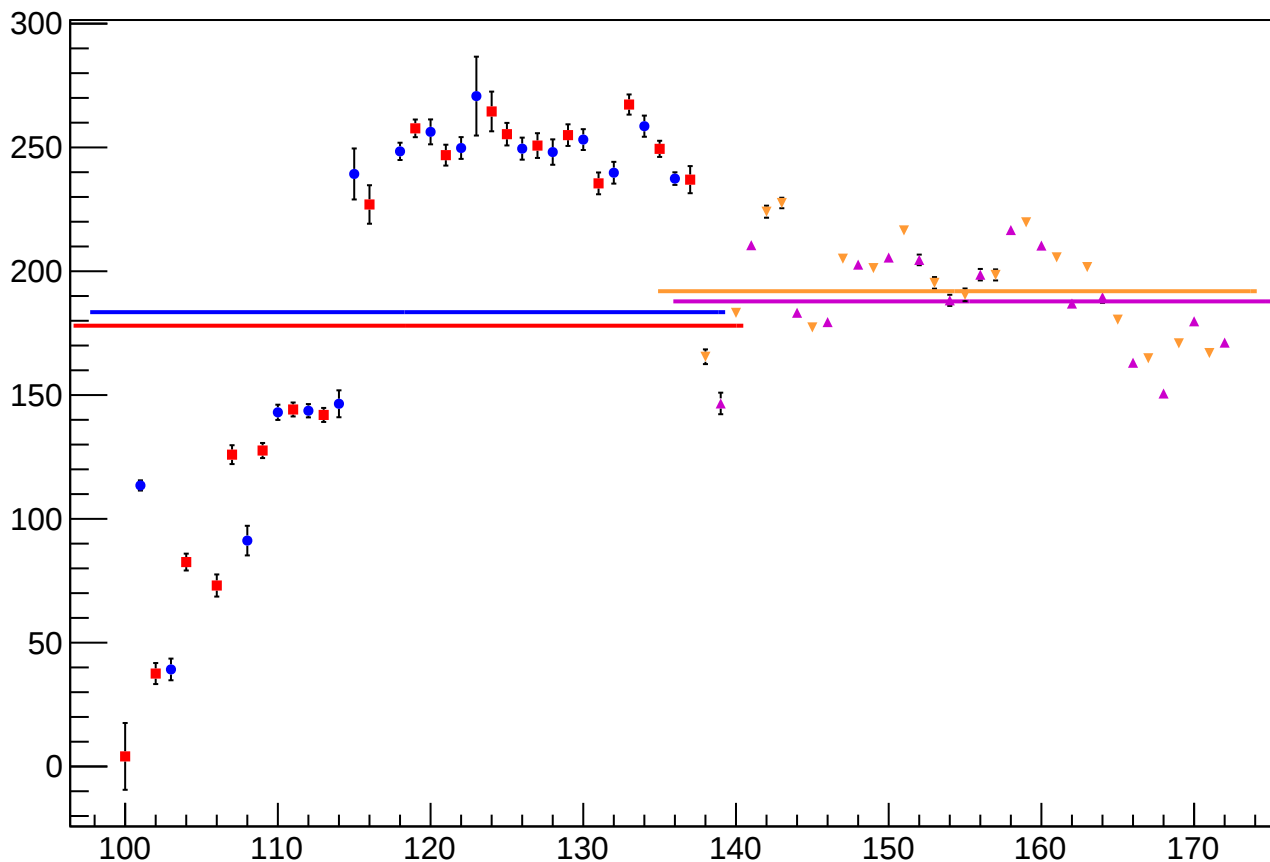
Right: -77.108 ± 0.978 $\chi^2/\text{NDF}: 1905.1/35$

In: -109.689 ± 0.484 $\chi^2/\text{NDF}: 4604.1/33$

Out: -109.760 ± 0.489 $\chi^2/\text{NDF}: 3843.3/36$

All: -109.724 ± 0.344 $\chi^2/\text{NDF}: 8447.4/70$

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 183.478 ± 0.919 $\chi^2/\text{NDF}: 5331.4/16$

Left Out: 191.938 ± 0.440 $\chi^2/\text{NDF}: 2030.0/17$

Right Out: 178.011 ± 0.924 $\chi^2/\text{NDF}: 6345.7/18$

Left In: 187.827 ± 0.438 $\chi^2/\text{NDF}: 1748.3/16$

Left: 189.875 ± 0.310 $\chi^2/\text{NDF}: 3822.1/34$

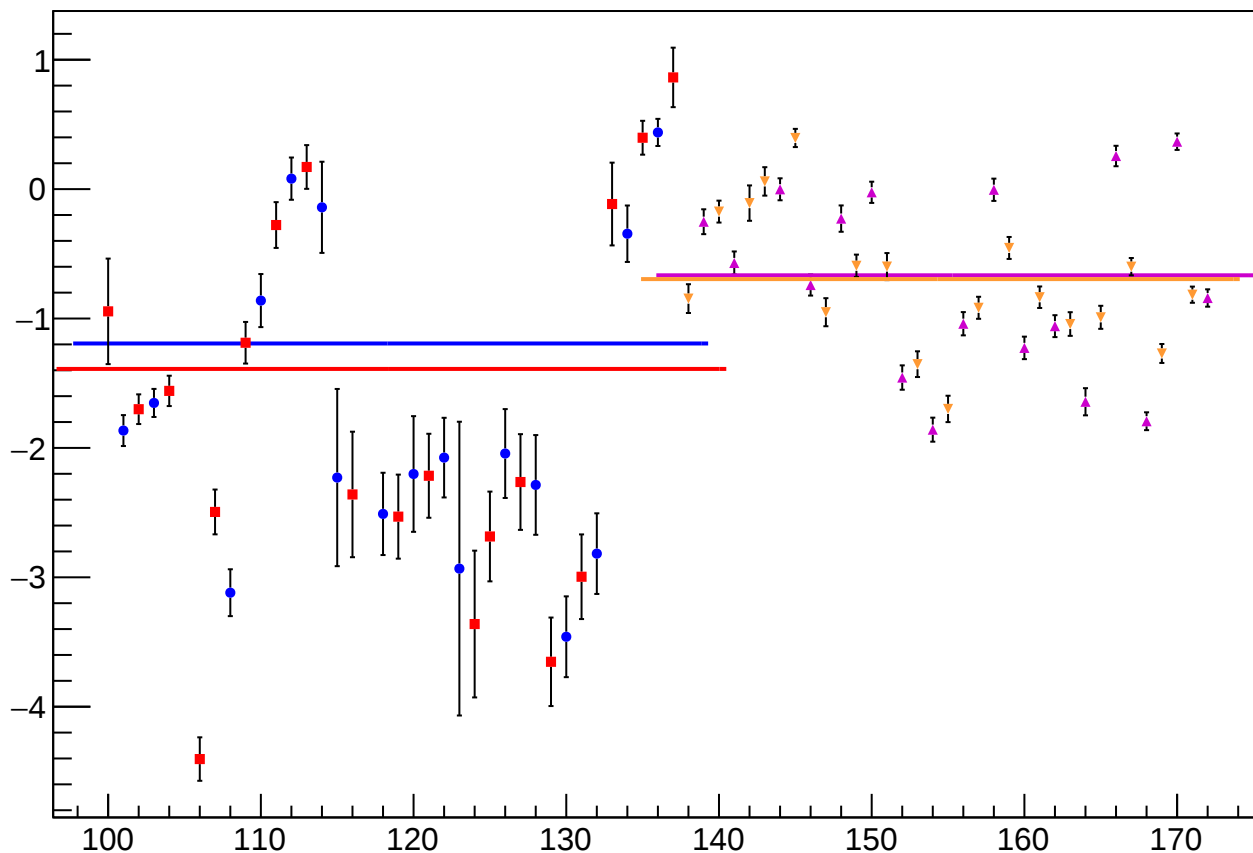
Right: 180.761 ± 0.651 $\chi^2/\text{NDF}: 11694.8/35$

In: 187.021 ± 0.395 $\chi^2/\text{NDF}: 7098.0/33$

Out: 189.365 ± 0.397 $\chi^2/\text{NDF}: 8560.9/36$

All: 188.188 ± 0.280 $\chi^2/\text{NDF}: 15676.4/70$

reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -1.193 ± 0.048 χ^2/NDF : 621.7/16

Left Out: -0.695 ± 0.020 χ^2/NDF : 604.9/17

Right Out: -1.390 ± 0.046 χ^2/NDF : 920.6/18

Left In: -0.666 ± 0.020 χ^2/NDF : 1298.0/16

Left: -0.680 ± 0.014 χ^2/NDF : 1903.9/34

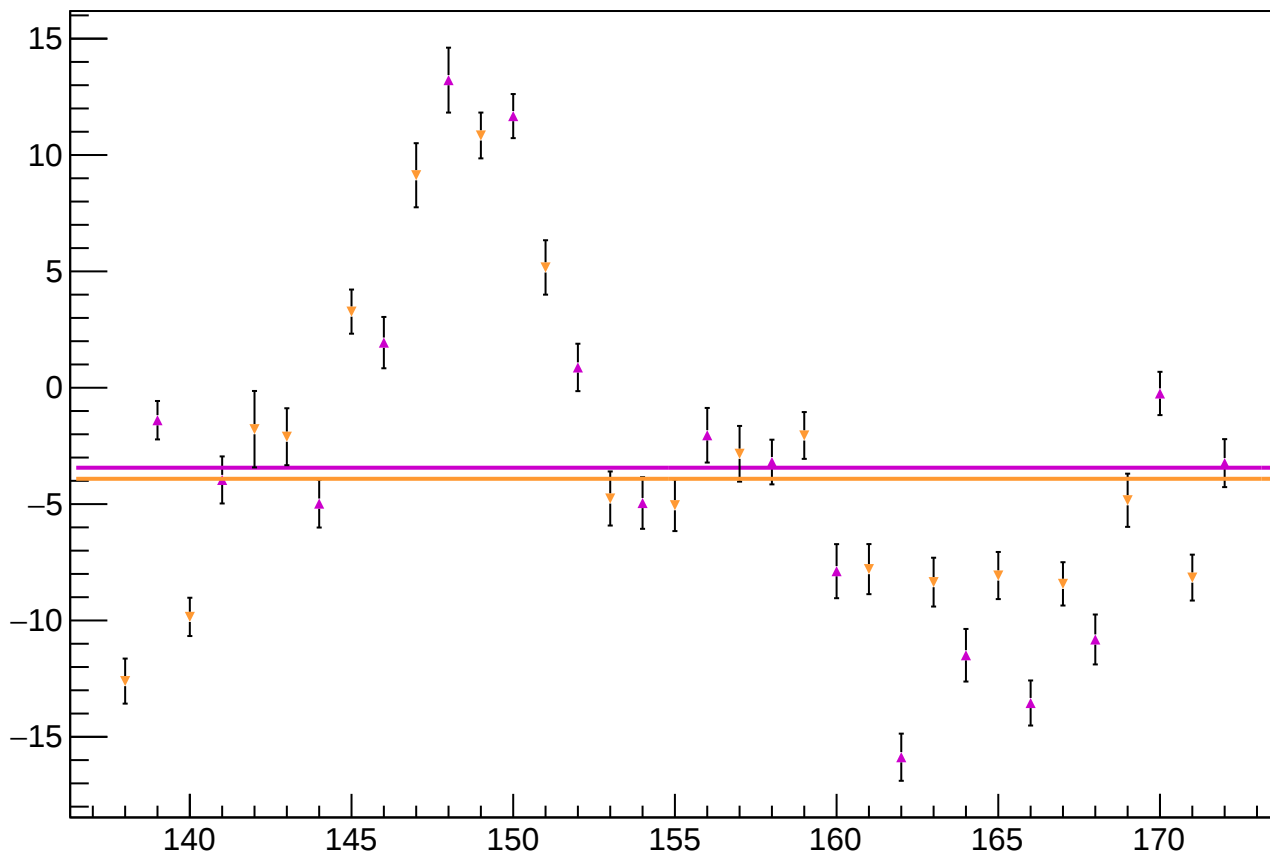
Right: -1.296 ± 0.033 χ^2/NDF : 1551.0/35

In: -0.745 ± 0.019 χ^2/NDF : 2021.5/33

Out: -0.810 ± 0.019 χ^2/NDF : 1716.9/36

All: -0.777 ± 0.013 χ^2/NDF : 3744.6/70

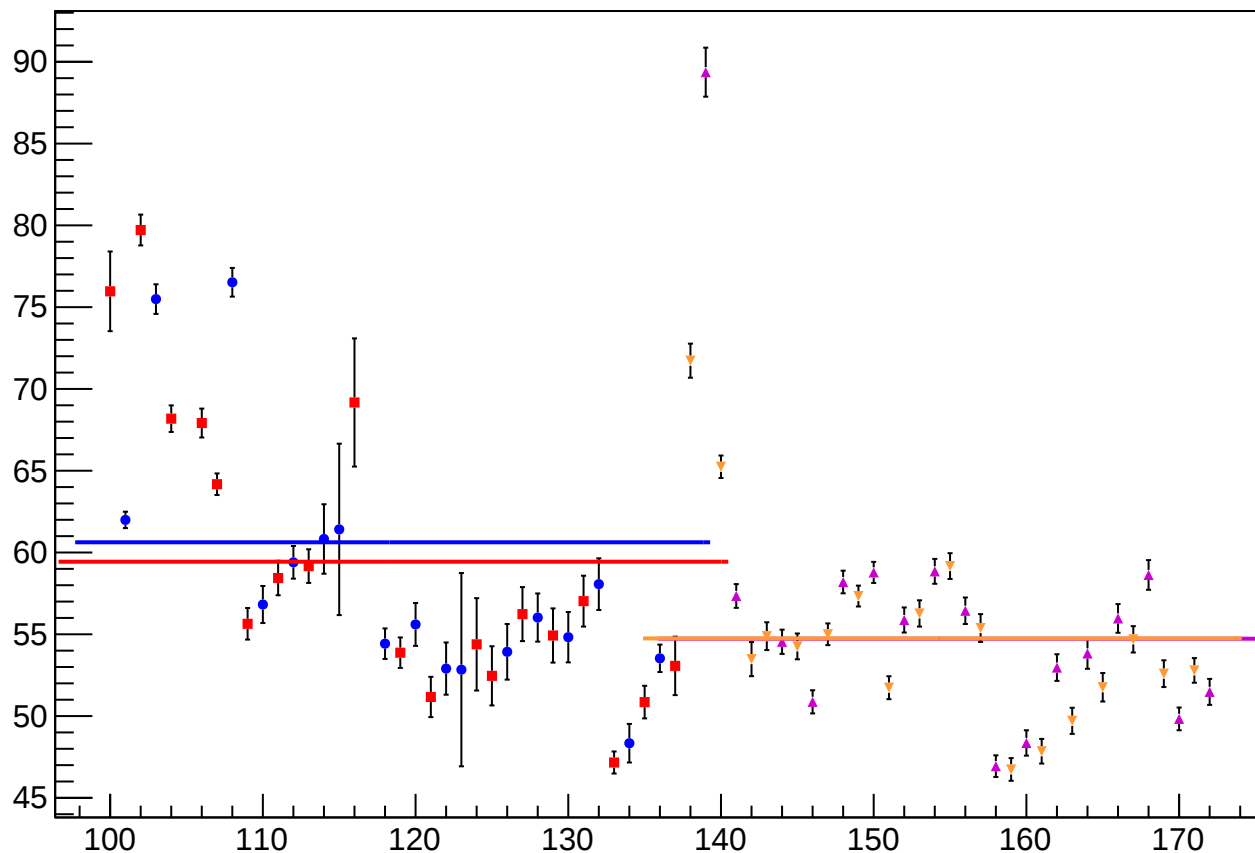
reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.912+/-0.251 χ^2/NDF : 664.9/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.437+/-0.250 χ^2/NDF : 835.1/16

Left: -3.674+/-0.177 χ^2/NDF : 1501.8/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.437+/-0.250 χ^2/NDF : 835.1/16
 Out: -3.912+/-0.251 χ^2/NDF : 664.9/17
 All: -3.674+/-0.177 χ^2/NDF : 1501.8/34

reg_asym_sam5_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 60.625 ± 0.263 $\chi^2/\text{NDF}: 924.6/16$

Left Out: 54.747 ± 0.183 $\chi^2/\text{NDF}: 854.8/17$

Right Out: 59.438 ± 0.248 $\chi^2/\text{NDF}: 1323.4/18$

Left In: 54.730 ± 0.188 $\chi^2/\text{NDF}: 976.1/16$

Left: 54.739 ± 0.131 $\chi^2/\text{NDF}: 1831.0/34$

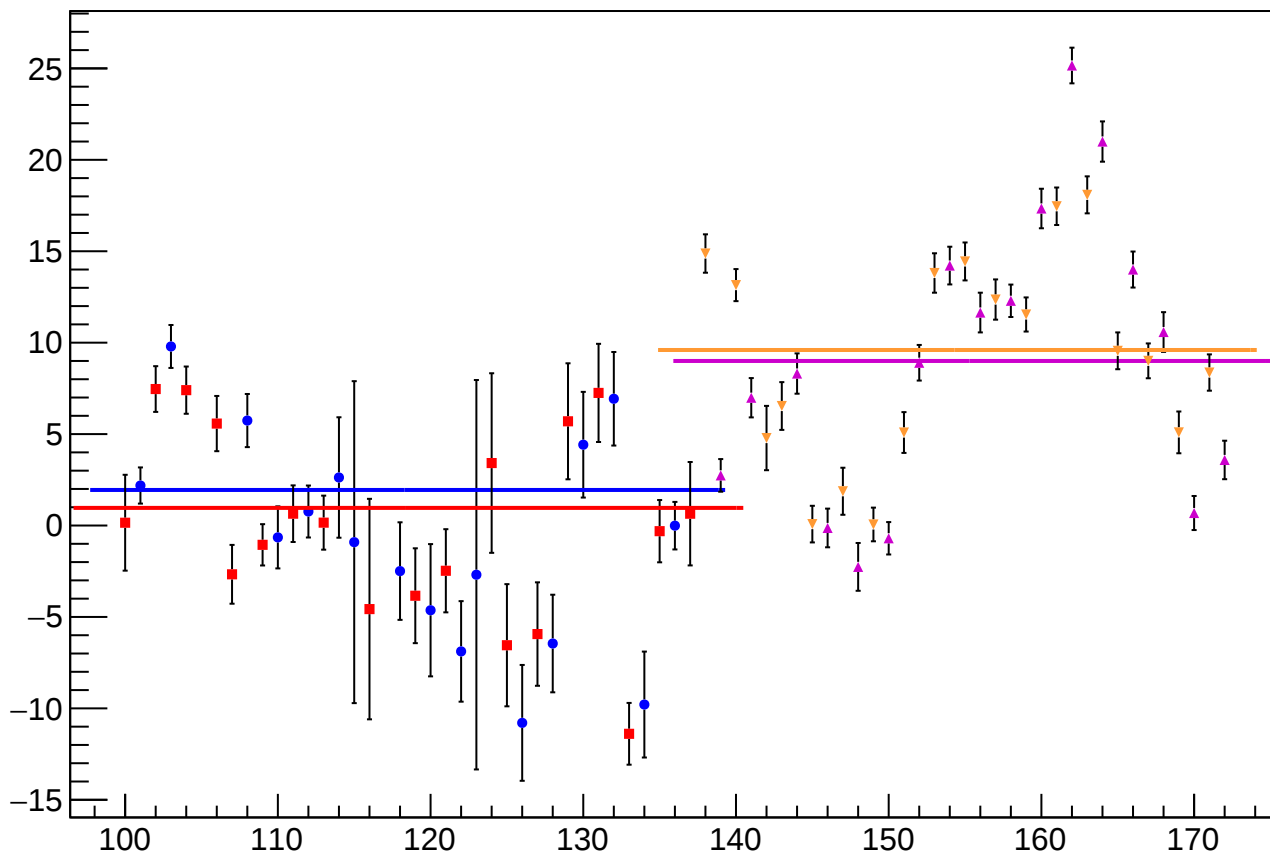
Right: 59.996 ± 0.180 $\chi^2/\text{NDF}: 2258.7/35$

In: 56.720 ± 0.153 $\chi^2/\text{NDF}: 2233.4/33$

Out: 56.405 ± 0.147 $\chi^2/\text{NDF}: 2409.8/36$

All: 56.557 ± 0.106 $\chi^2/\text{NDF}: 4645.4/70$

reg_asym_sam5_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 1.945 $\pm$ 0.459 χ^2 /NDF: 120.6/16

Left Out: 9.600 $\pm$ 0.248 χ^2 /NDF: 499.1/17

Right Out: 0.964 $\pm$ 0.424 χ^2 /NDF: 149.5/18

Left In: 9.000 $\pm$ 0.246 χ^2 /NDF: 953.5/16

Left: 9.298 $\pm$ 0.175 χ^2 /NDF: 1455.6/34

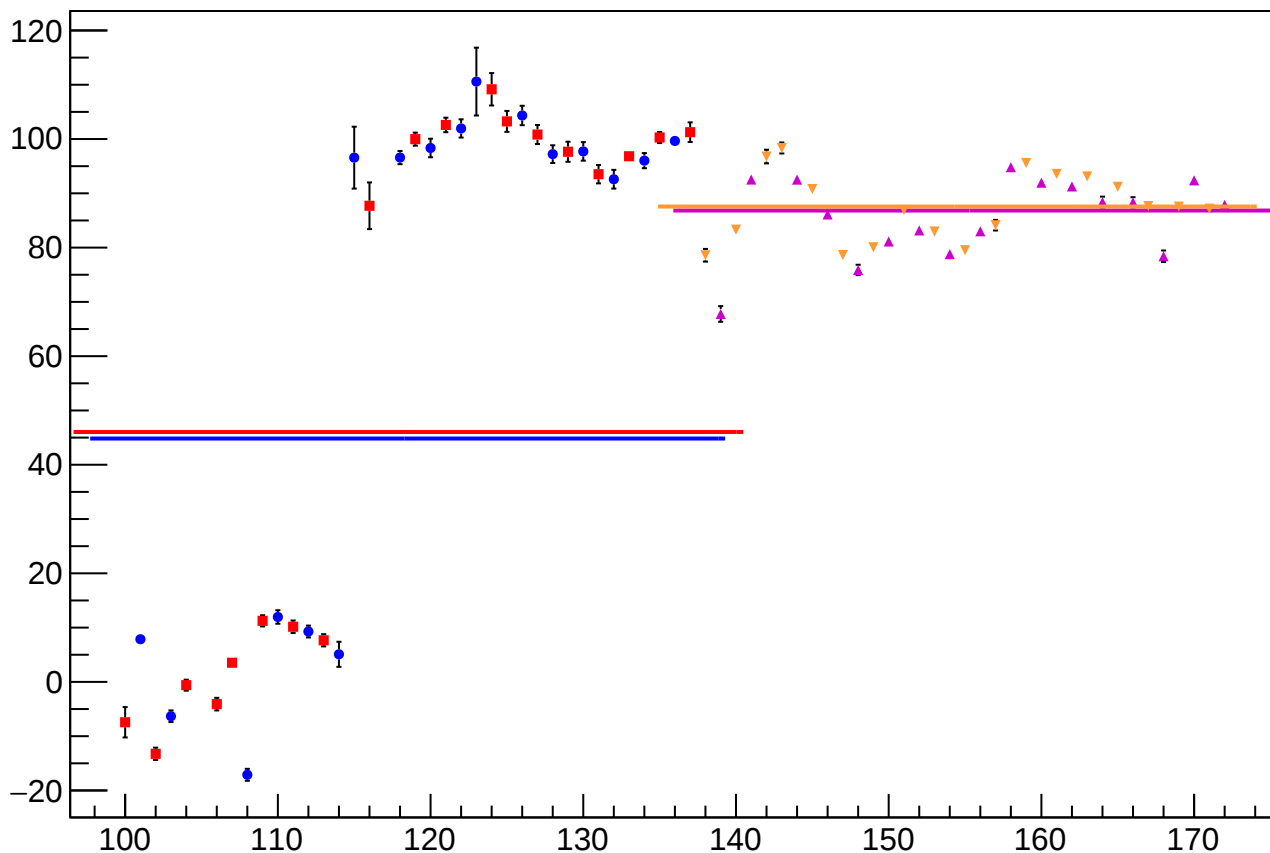
Right: 1.416 $\pm$ 0.312 χ^2 /NDF: 272.6/35

In: 7.421 $\pm$ 0.217 χ^2 /NDF: 1257.6/33

Out: 7.402 $\pm$ 0.214 χ^2 /NDF: 957.4/36

All: 7.411 $\pm$ 0.152 χ^2 /NDF: 2215.0/70

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 44.829+/-0.305 χ^2/NDF : 24763.1/16

Left Out: 87.570+/-0.210 χ^2/NDF :811.6/17

Right Out: 46.040+/-0.289 χ^2/NDF : 28263.4/18

Left In: 86.828+/-0.213 χ^2/NDF :887.4/16

Left: 87.204+/-0.150 χ^2/NDF : 1705.1/34

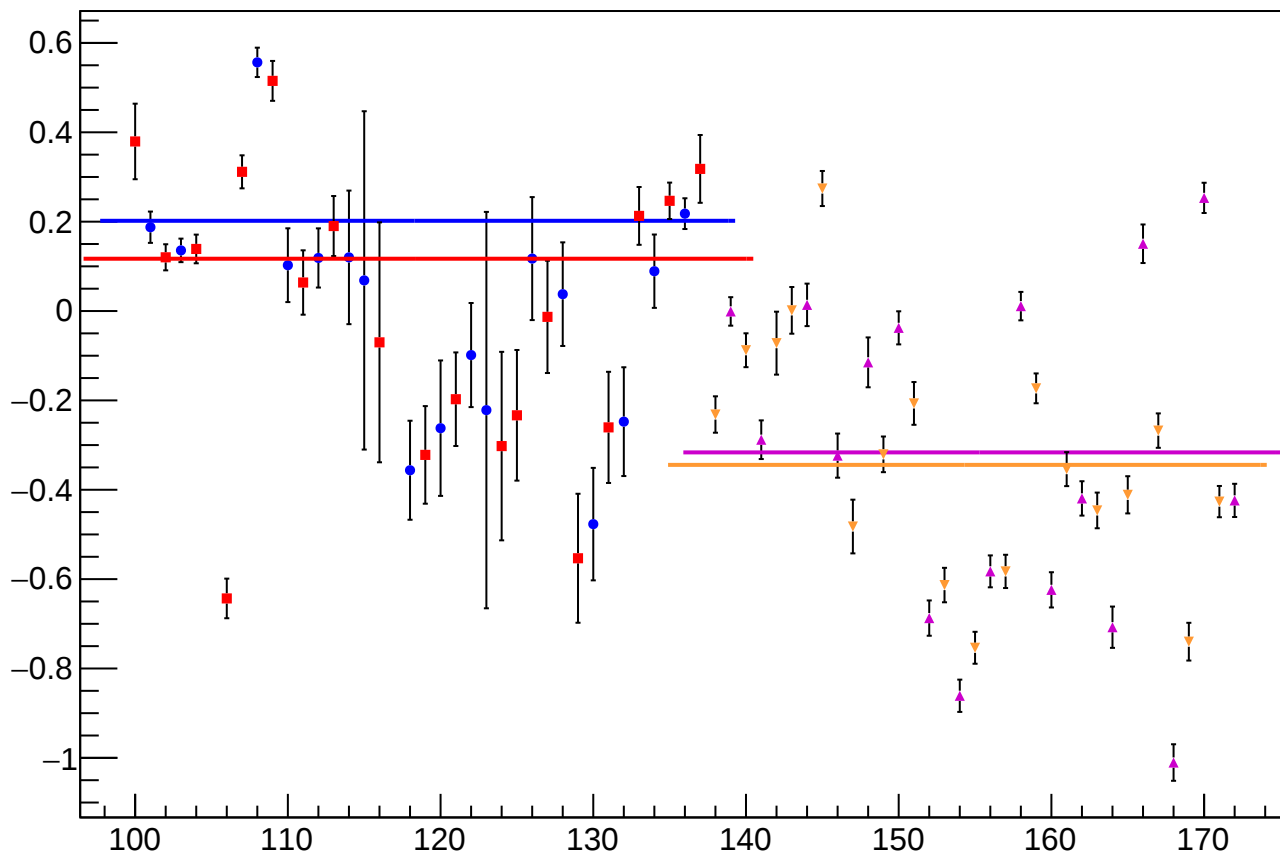
Right: 45.465+/-0.210 χ^2/NDF : 53034.8/35

In: 73.012+/-0.175 χ^2/NDF :38403.5/33

Out: 73.233+/-0.170 χ^2/NDF :42552.3/36

All: 73.126+/-0.122 χ^2/NDF : 80956.6/70

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.202 ± 0.014 χ^2/NDF : 216.0/16

Left Out: -0.344 ± 0.010 χ^2/NDF : 728.2/17

Right Out: 0.117 ± 0.013 χ^2/NDF : 499.6/18

Left In: -0.316 ± 0.009 χ^2/NDF : 1529.8/16

Left: -0.330 ± 0.007 χ^2/NDF : 2262.3/34

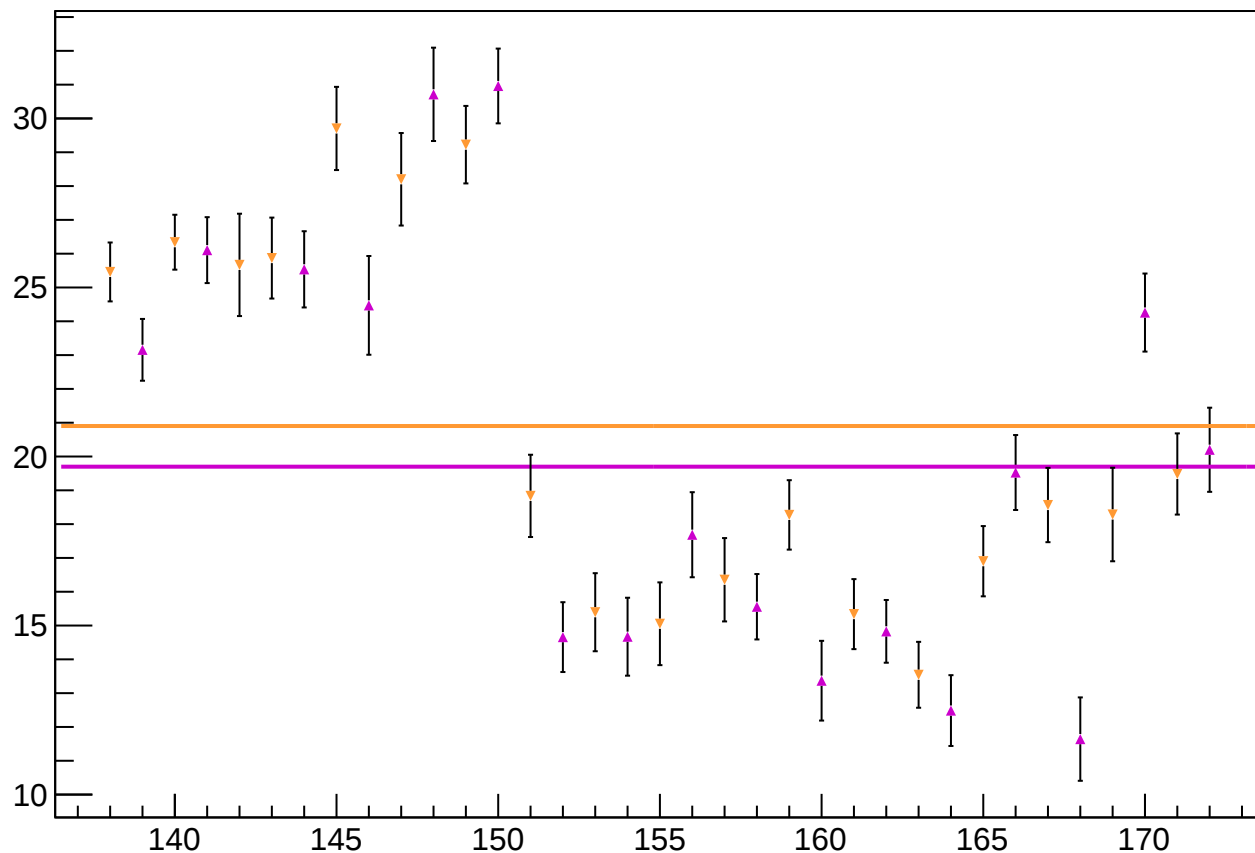
Right: 0.156 ± 0.010 χ^2/NDF : 735.2/35

In: -0.154 ± 0.008 χ^2/NDF : 2680.6/33

Out: -0.182 ± 0.008 χ^2/NDF : 2041.1/36

All: -0.168 ± 0.006 χ^2/NDF : 4728.3/70

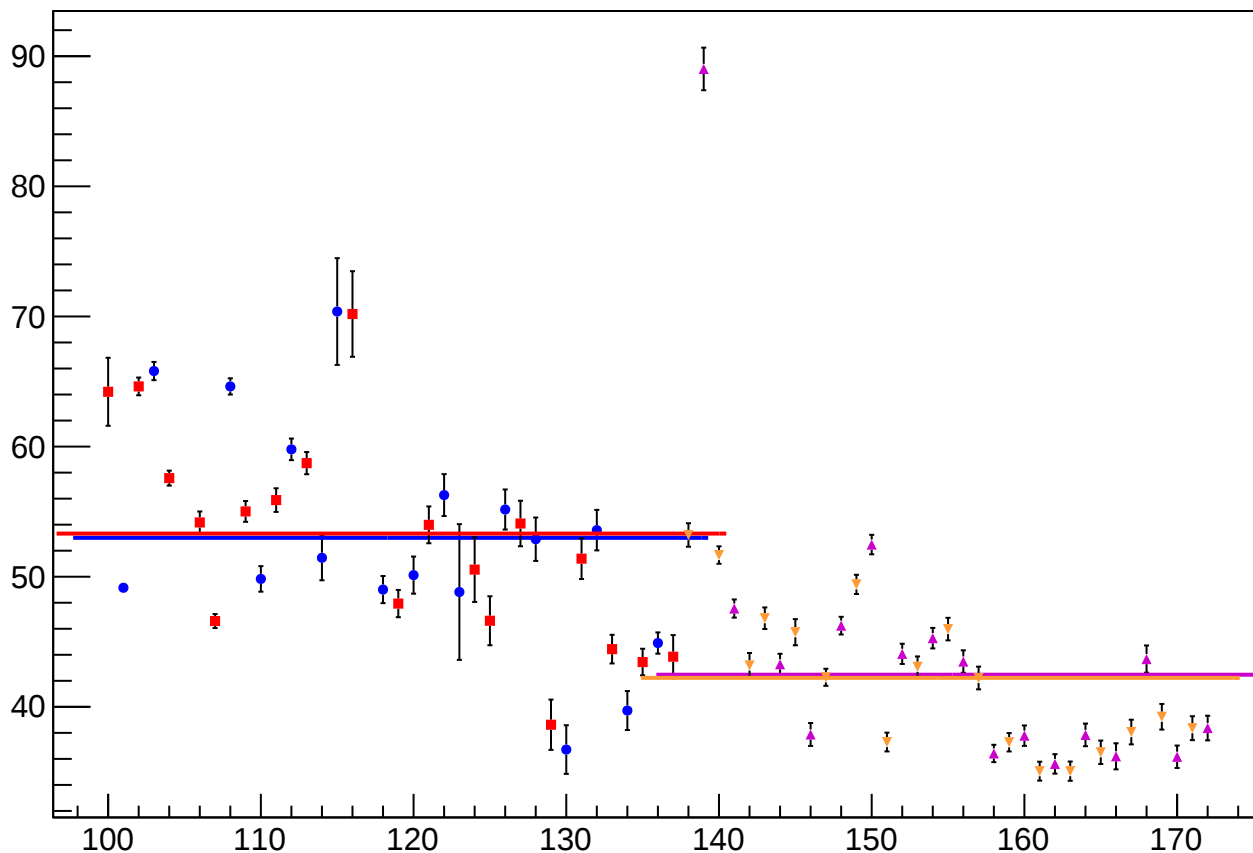
reg_asym_sam6_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 20.902 $\pm$ 0.262 χ^2 /NDF:410.5/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 19.699 $\pm$ 0.268 χ^2 /NDF:488.4/16

Left: 20.315 $\pm$ 0.187 χ^2 /NDF: 909.1/34
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 19.699 $\pm$ 0.268 χ^2 /NDF:488.4/16
 Out: 20.902 $\pm$ 0.262 χ^2 /NDF:410.5/17
 All: 20.315 $\pm$ 0.187 χ^2 /NDF: 909.1/34

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 52.989 $\pm$ 0.211 χ^2 /NDF: 1198.0/16

Left Out: 42.227 $\pm$ 0.190 χ^2 /NDF:877.5/17

Right Out: 53.315 $\pm$ 0.227 χ^2 /NDF: 875.6/18

Left In: 42.468 $\pm$ 0.199 χ^2 /NDF:1463.1/16

Left: 42.342 $\pm$ 0.138 χ^2 /NDF: 2341.3/34

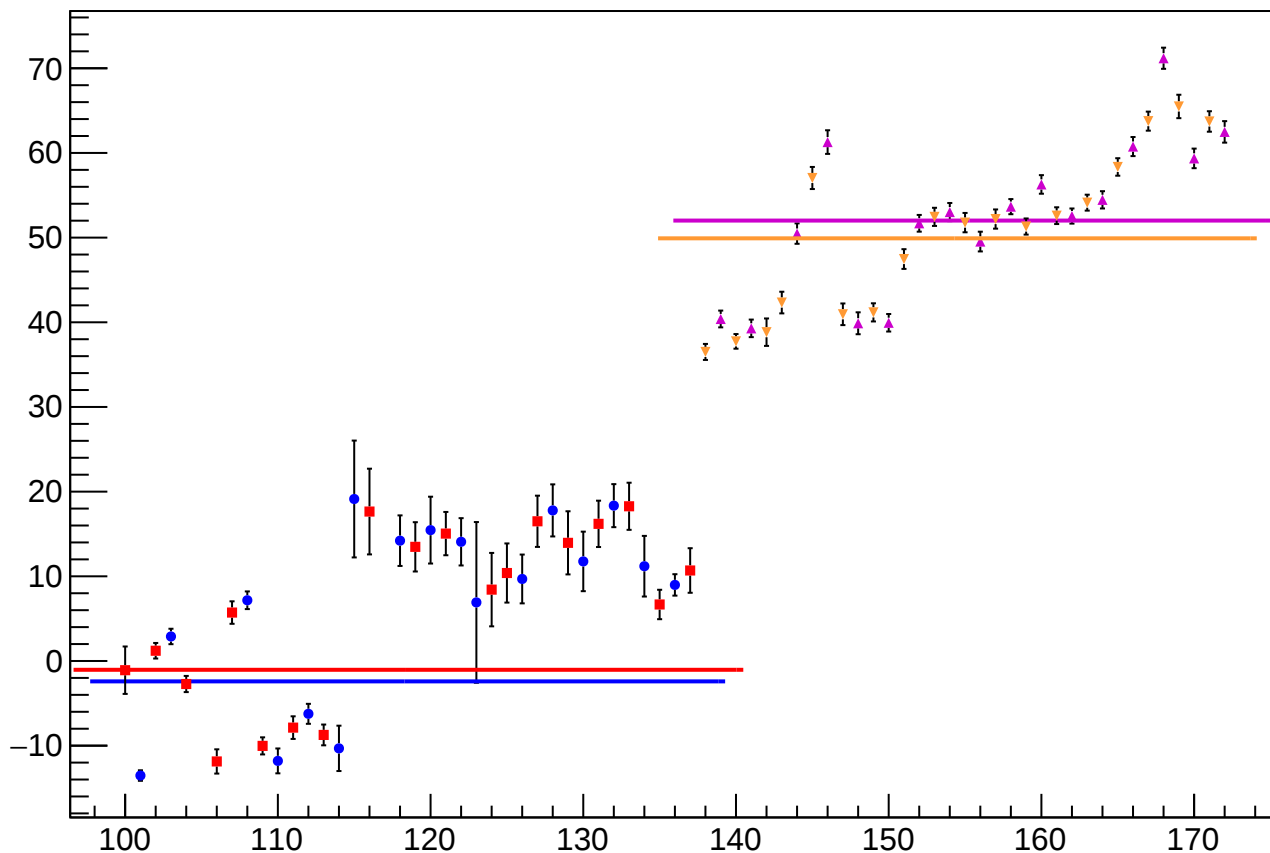
Right: 53.140 $\pm$ 0.154 χ^2 /NDF: 2074.7/35

In: 47.433 $\pm$ 0.145 χ^2 /NDF:3975.5/33

Out: 46.814 $\pm$ 0.146 χ^2 /NDF:3155.2/36

All: 47.125 $\pm$ 0.103 χ^2 /NDF: 7139.8/70

reg_asym_sam6_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.409 ± 0.364 $\chi^2/\text{NDF}: 834.6/16$

Left Out: 49.915 ± 0.259 $\chi^2/\text{NDF}: 1148.6/17$

Right Out: -1.040 ± 0.377 $\chi^2/\text{NDF}: 507.5/18$

Left In: 52.013 ± 0.263 $\chi^2/\text{NDF}: 992.4/16$

Left: 50.948 ± 0.185 $\chi^2/\text{NDF}: 2173.2/34$

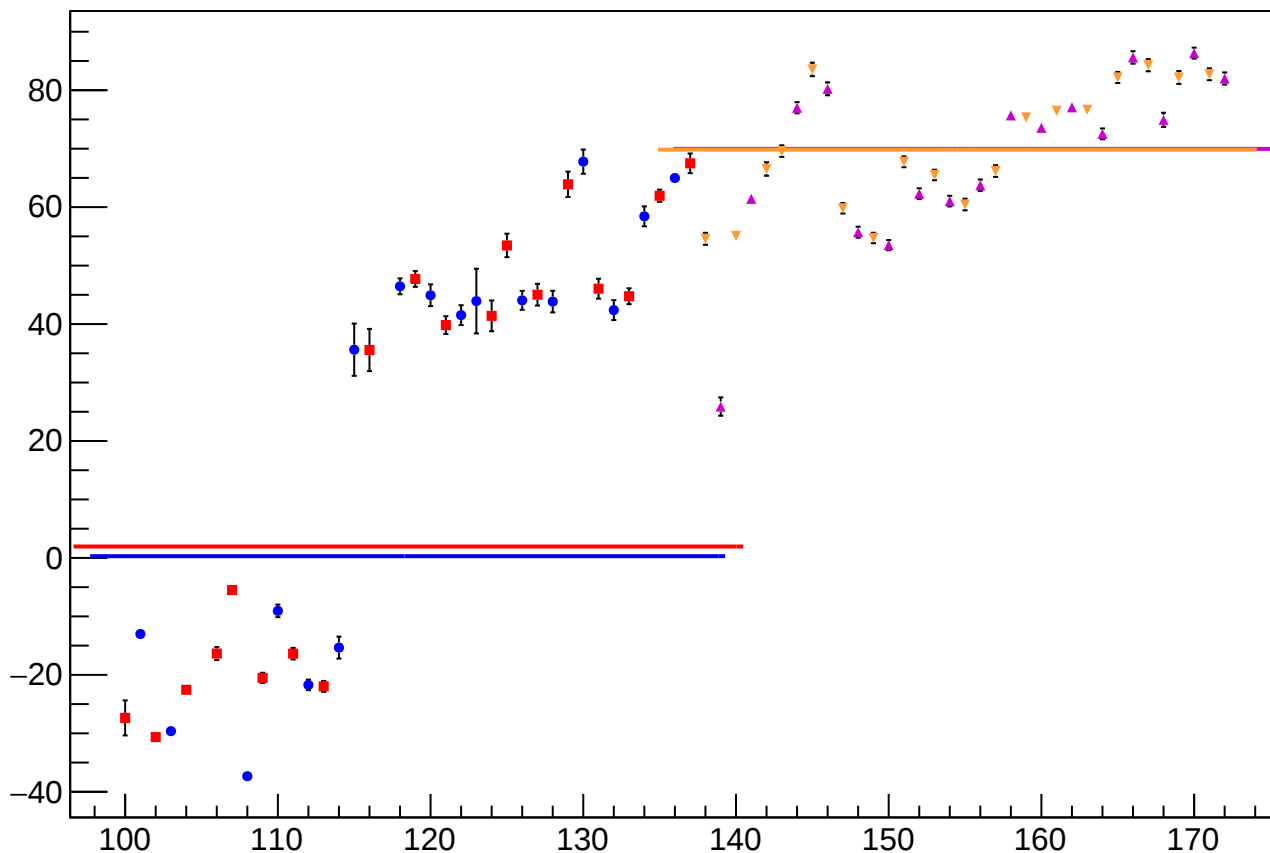
Right: -1.748 ± 0.262 $\chi^2/\text{NDF}: 1349.0/35$

In: 33.326 ± 0.213 $\chi^2/\text{NDF}: 16479.4/33$

Out: 33.547 ± 0.214 $\chi^2/\text{NDF}: 14051.9/36$

All: 33.436 ± 0.151 $\chi^2/\text{NDF}: 30531.8/70$

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.300+/-0.247 χ^2/NDF : 18259.2/16

Left Out: 69.832+/-0.219 χ^2/NDF :2099.5/17

Right Out: 1.952+/-0.267 χ^2/NDF : 15450.6/18

Left In: 69.963+/-0.227 χ^2/NDF :2669.9/16

Left: 69.895+/-0.158 χ^2/NDF : 4769.5/34

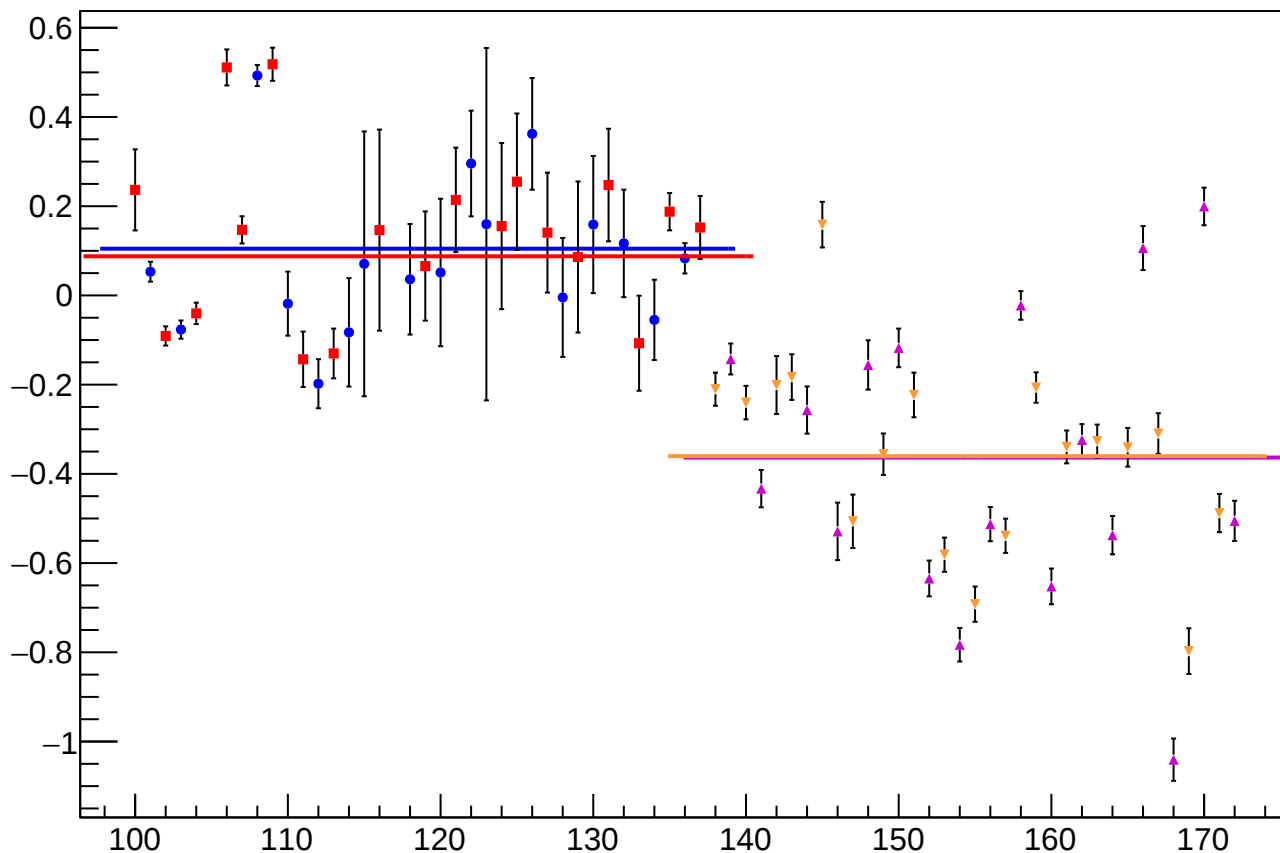
Right: 1.065+/-0.181 χ^2/NDF : 33730.4/35

In: 38.169+/-0.167 χ^2/NDF :64023.6/33

Out: 42.470+/-0.169 χ^2/NDF :56238.1/36

All: 40.292+/-0.119 χ^2/NDF : 120588.6/70

reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.105 ± 0.011 $\chi^2/\text{NDF}: 400.8/16$

Left Out: -0.360 ± 0.010 $\chi^2/\text{NDF}: 391.3/17$

Right Out: 0.088 ± 0.011 $\chi^2/\text{NDF}: 390.9/18$

Left In: -0.363 ± 0.010 $\chi^2/\text{NDF}: 951.5/16$

Left: -0.362 ± 0.007 $\chi^2/\text{NDF}: 1342.9/34$

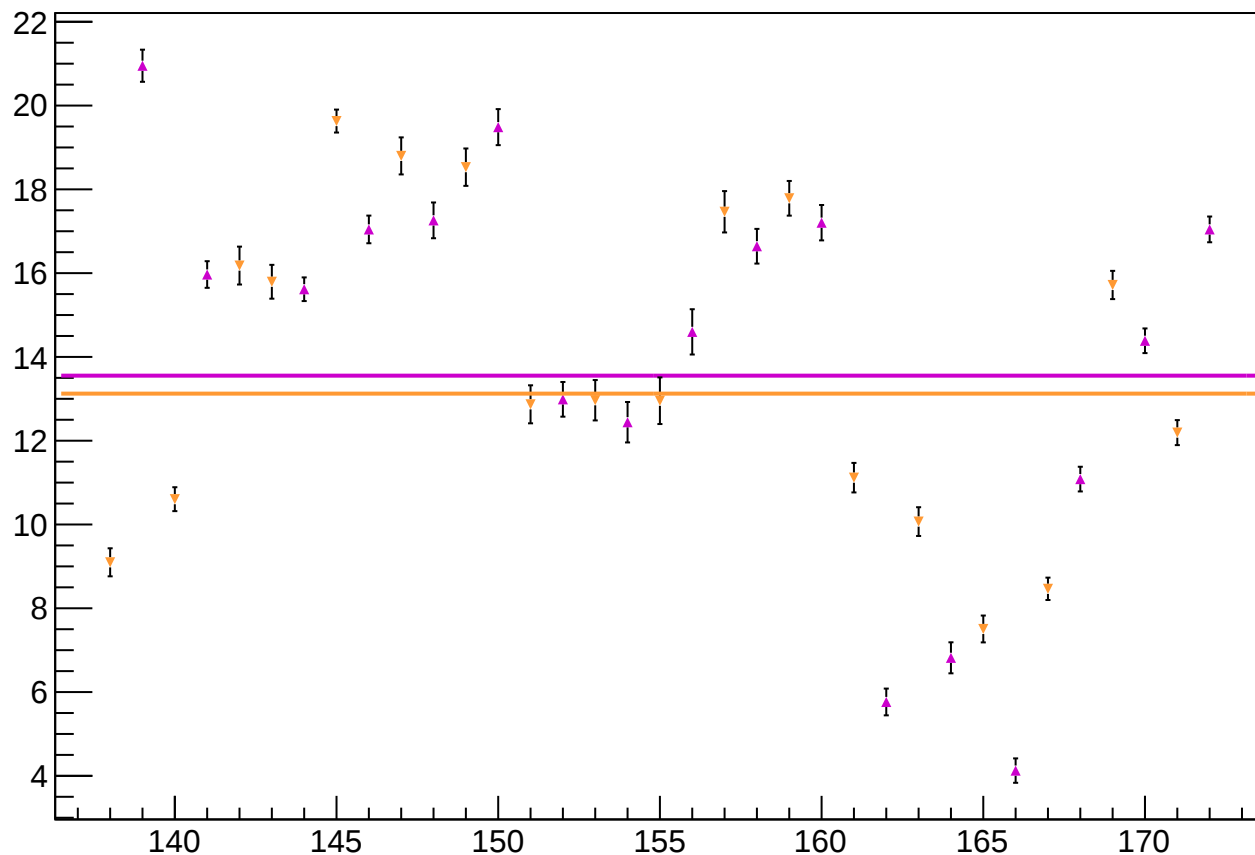
Right: 0.096 ± 0.008 $\chi^2/\text{NDF}: 792.8/35$

In: -0.149 ± 0.007 $\chi^2/\text{NDF}: 2327.6/33$

Out: -0.156 ± 0.007 $\chi^2/\text{NDF}: 1682.7/36$

All: -0.153 ± 0.005 $\chi^2/\text{NDF}: 4010.7/70$

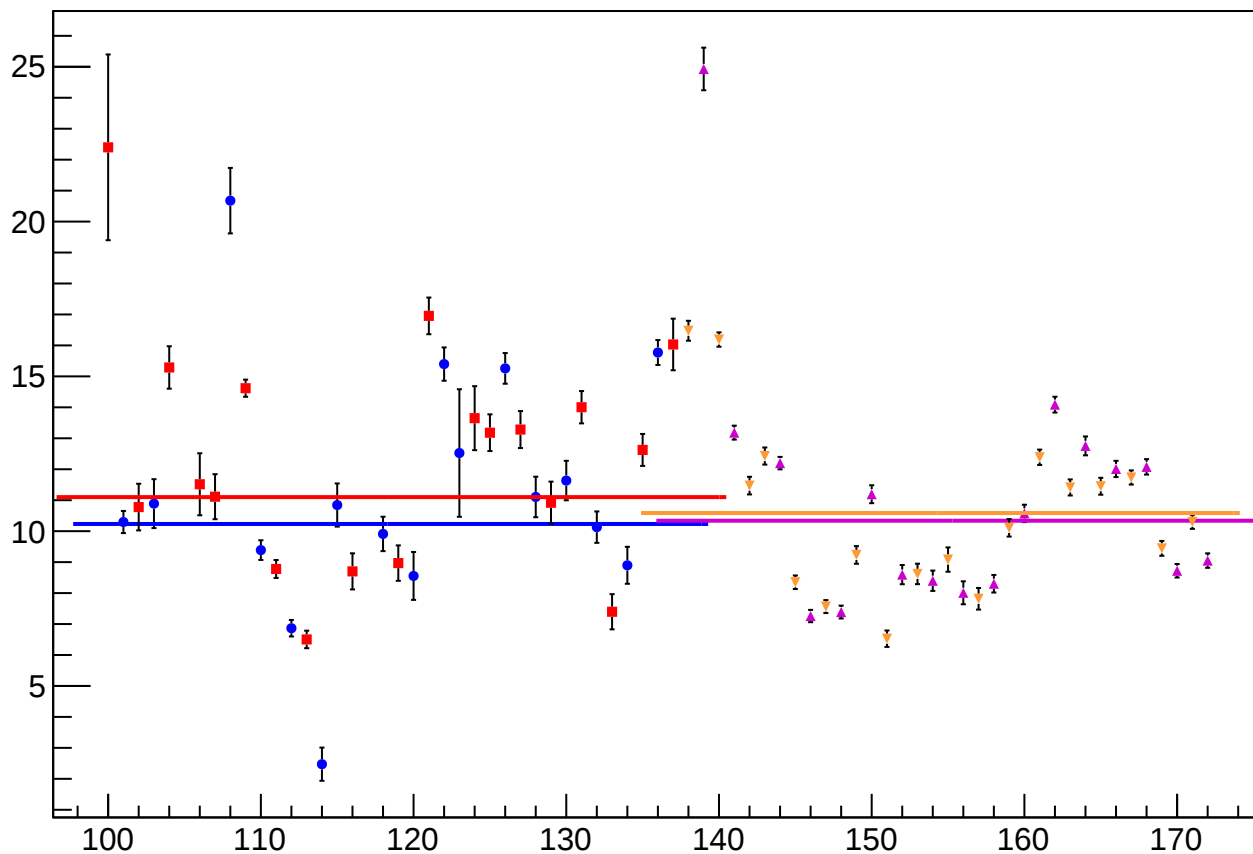
reg_asym_sam7_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 13.124+/-0.085 χ^2/NDF :2184.2/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 13.553+/-0.085 χ^2/NDF :3182.1/16

Left: 13.337+/-0.060 χ^2/NDF : 5378.9/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 13.553+/-0.085 χ^2/NDF :3182.1/16
 Out: 13.124+/-0.085 χ^2/NDF :2184.2/17
 All: 13.337+/-0.060 χ^2/NDF : 5378.9/34

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.232 $\pm$ 0.119 χ^2 /NDF: 876.7/16

Left Out: 10.586 $\pm$ 0.062 χ^2 /NDF:1781.8/17

Right Out: 11.100 $\pm$ 0.116 χ^2 /NDF: 817.8/18

Left In: 10.338 $\pm$ 0.063 χ^2 /NDF:1756.6/16

Left: 10.463 $\pm$ 0.044 χ^2 /NDF: 3546.4/34

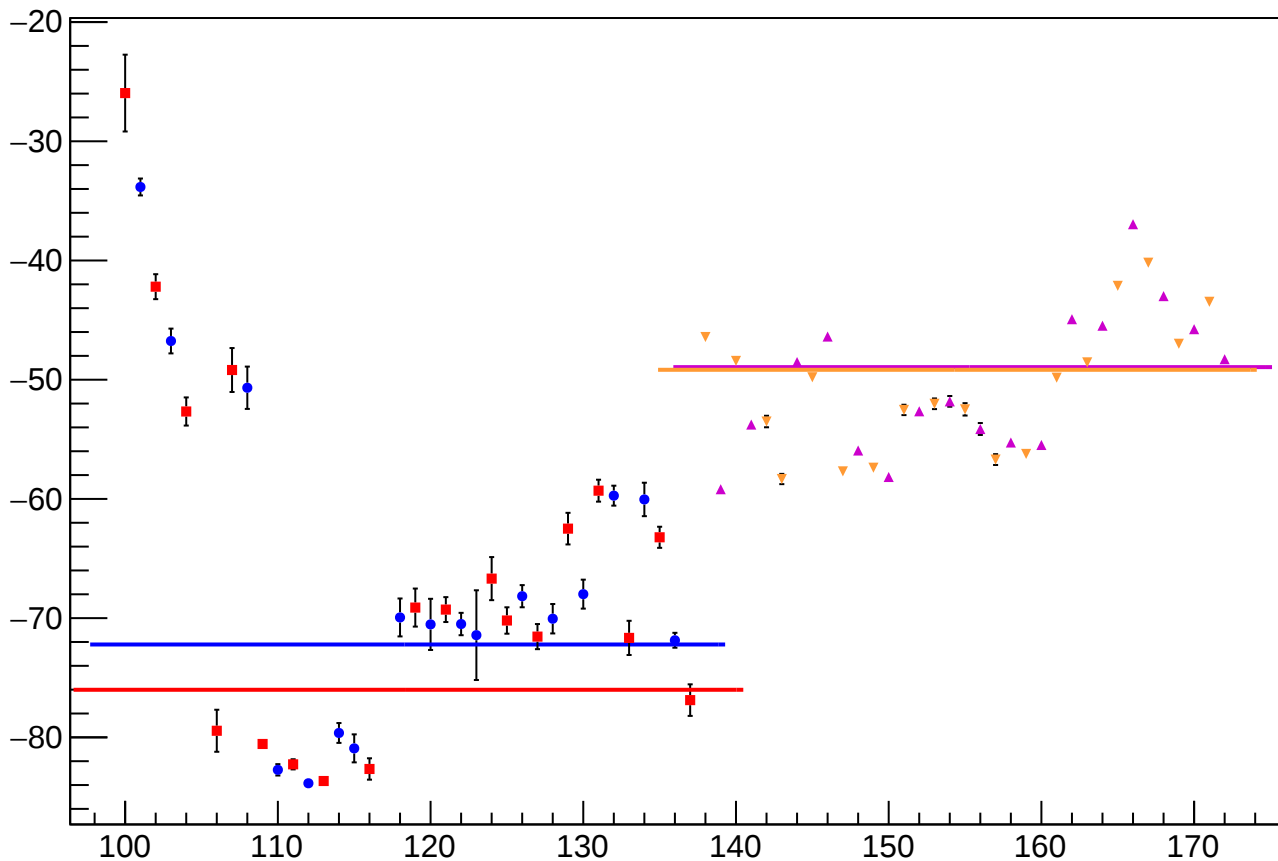
Right: 10.677 $\pm$ 0.083 χ^2 /NDF: 1721.6/35

In: 10.315 $\pm$ 0.055 χ^2 /NDF:2634.0/33

Out: 10.700 $\pm$ 0.055 χ^2 /NDF:2614.7/36

All: 10.510 $\pm$ 0.039 χ^2 /NDF: 5273.1/70

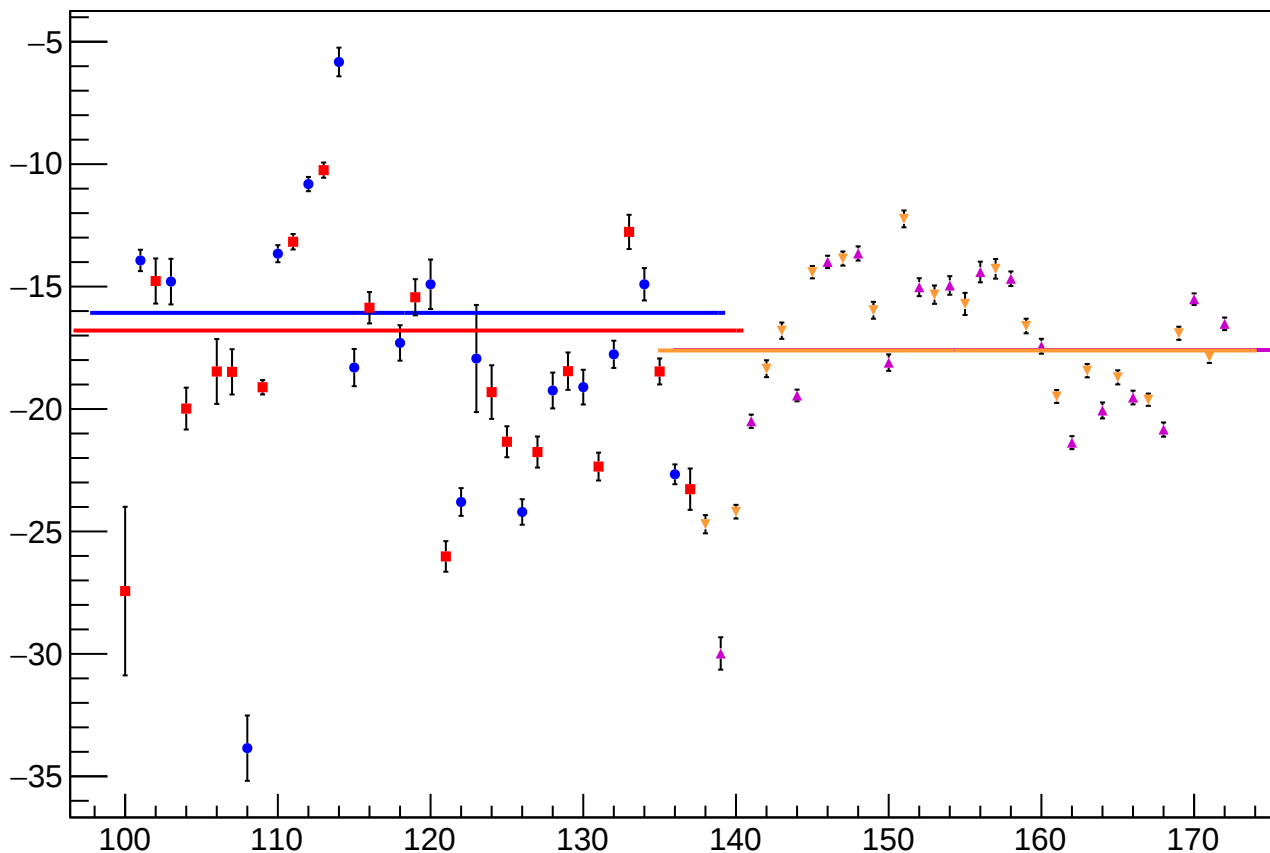
reg_asym_sam7_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -72.211 ± 0.198 $\chi^2/\text{NDF}: 5566.2/16$
 Left Out: -49.168 ± 0.085 $\chi^2/\text{NDF}: 4148.0/17$
 Right Out: -76.009 ± 0.181 $\chi^2/\text{NDF}: 3463.3/18$
 Left In: -48.944 ± 0.085 $\chi^2/\text{NDF}: 4913.2/16$

Left: -49.056 ± 0.060 $\chi^2/\text{NDF}: 9064.7/34$
 Right: -74.280 ± 0.134 $\chi^2/\text{NDF}: 9230.0/35$
 In: -52.551 ± 0.078 $\chi^2/\text{NDF}: 22148.7/33$
 Out: -54.028 ± 0.077 $\chi^2/\text{NDF}: 25623.1/36$
 All: -53.298 ± 0.055 $\chi^2/\text{NDF}: 47953.5/70$

reg_asym_sam7_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -16.073+/-0.133 χ^2/NDF : 1640.5/16

Left Out: -17.609+/-0.071 χ^2/NDF : 1802.2/17

Right Out: -16.795+/-0.128 χ^2/NDF : 1216.0/18

Left In: -17.588+/-0.072 χ^2/NDF : 1689.7/16

Left: -17.599+/-0.051 χ^2/NDF : 3492.0/34

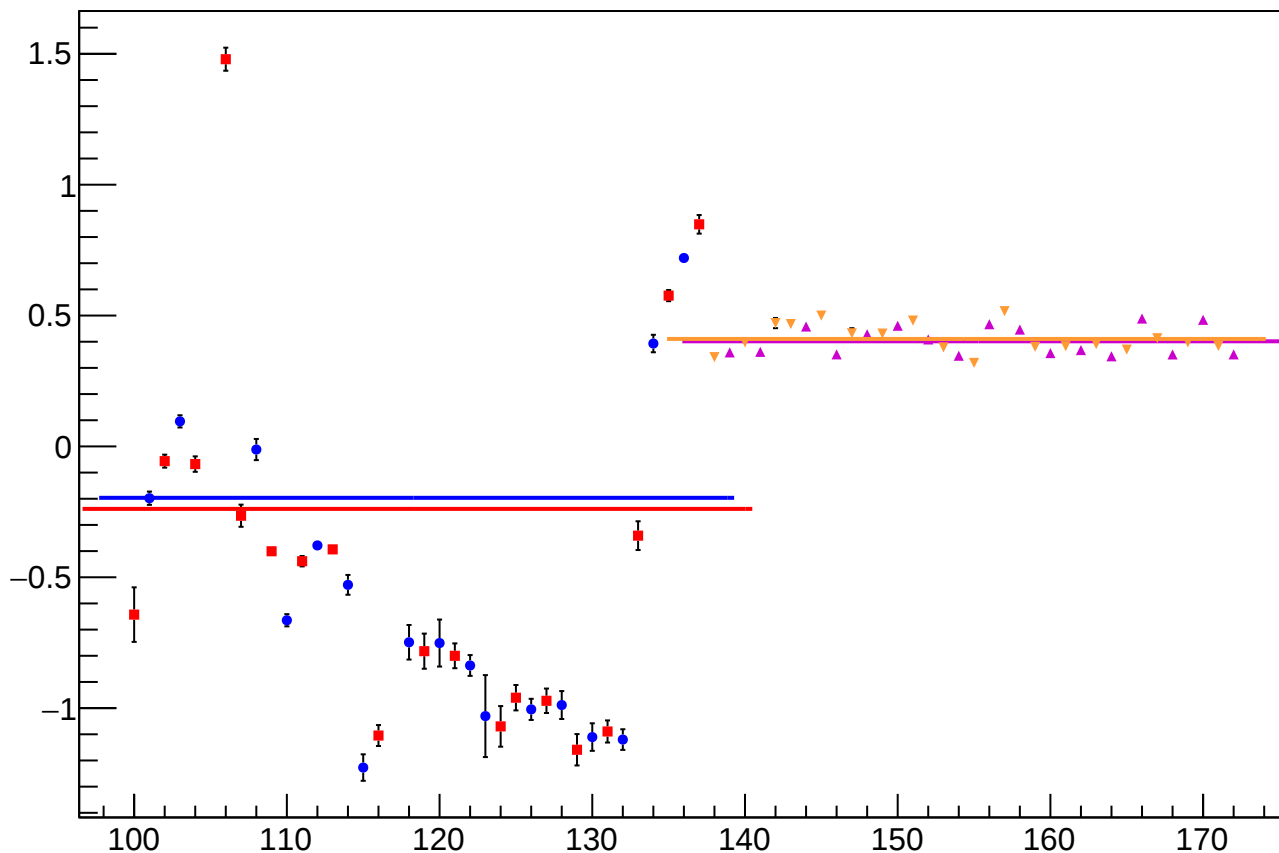
Right: -16.446+/-0.092 χ^2/NDF : 2871.9/35

In: -17.242+/-0.063 χ^2/NDF : 3431.1/33

Out: -17.416+/-0.062 χ^2/NDF : 3049.1/36

All: -17.331+/-0.044 χ^2/NDF : 6484.0/70

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.196 ± 0.008 χ^2/NDF : 6323.5/16

Left Out: 0.411 ± 0.003 χ^2/NDF : 228.9/17

Right Out: -0.239 ± 0.007 χ^2/NDF : 6188.6/18

Left In: 0.402 ± 0.003 χ^2/NDF : 275.1/16

Left: 0.406 ± 0.002 χ^2/NDF : 507.7/34

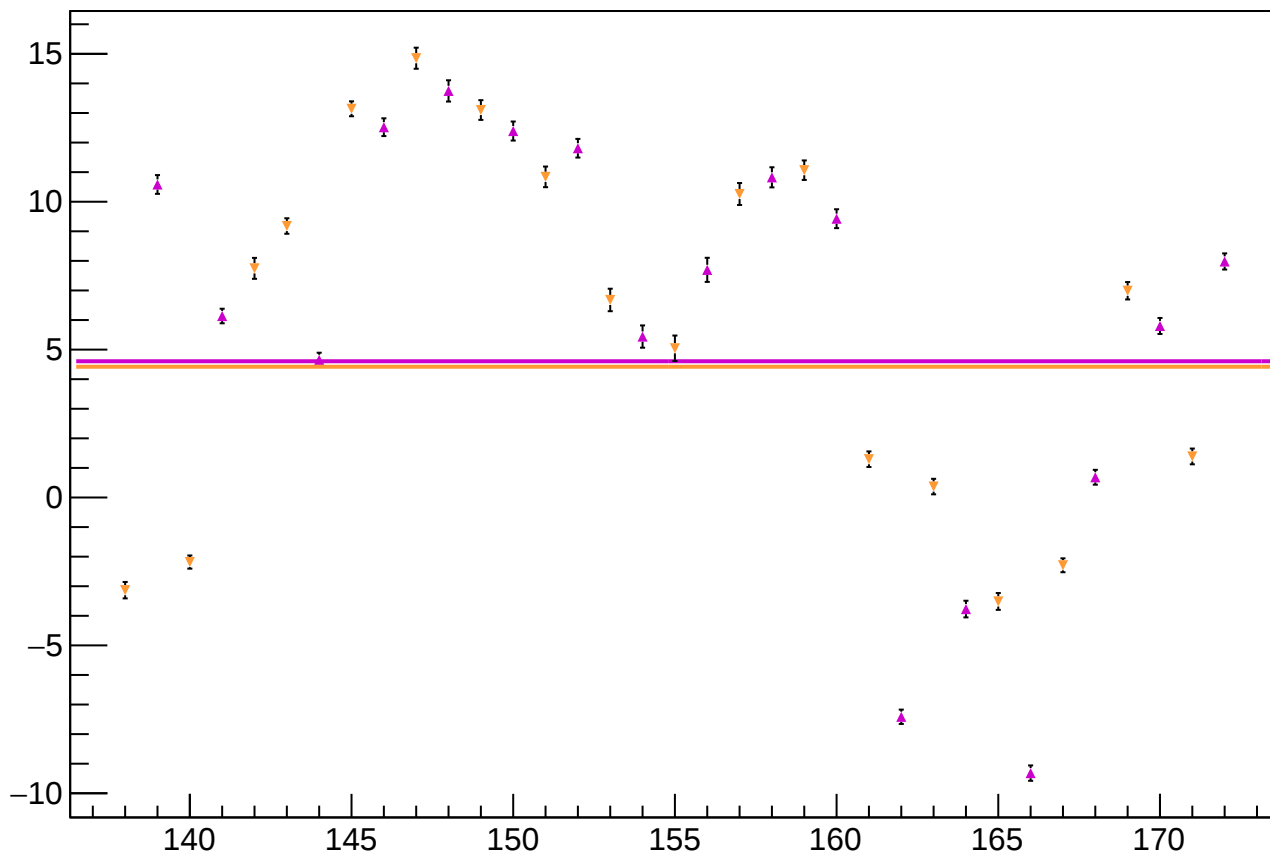
Right: -0.219 ± 0.005 χ^2/NDF : 12528.7/35

In: 0.305 ± 0.003 χ^2/NDF : 11860.8/33

Out: 0.296 ± 0.003 χ^2/NDF : 13155.4/36

All: 0.300 ± 0.002 χ^2/NDF : 25020.1/70

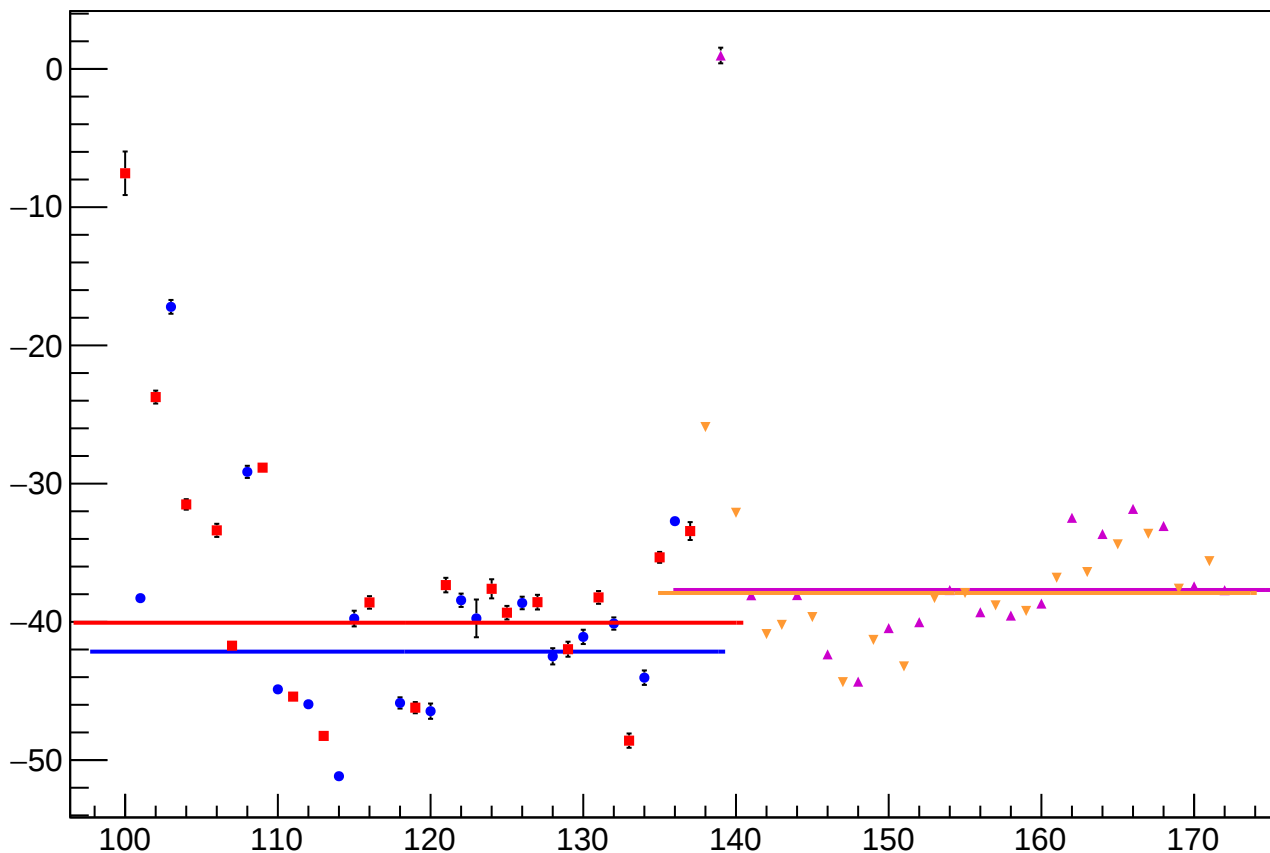
reg_asym_sam8_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 4.421+/-0.069 χ^2/NDF : 7975.9/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 4.606+/-0.071 χ^2/NDF : 10102.2/16

Left: 4.512+/-0.049 χ^2/NDF : 18081.6/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 4.606+/-0.071 χ^2/NDF : 10102.2/16
 Out: 4.421+/-0.069 χ^2/NDF : 7975.9/17
 All: 4.512+/-0.049 χ^2/NDF : 18081.6/34

reg_asym_sam8_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -42.153 ± 0.078 $\chi^2/\text{NDF}: 6557.8/16$

Left Out: -37.910 ± 0.050 $\chi^2/\text{NDF}: 6720.0/17$

Right Out: -40.062 ± 0.073 $\chi^2/\text{NDF}: 11322.2/18$

Left In: -37.694 ± 0.052 $\chi^2/\text{NDF}: 9214.1/16$

Left: -37.806 ± 0.036 $\chi^2/\text{NDF}: 15943.1/34$

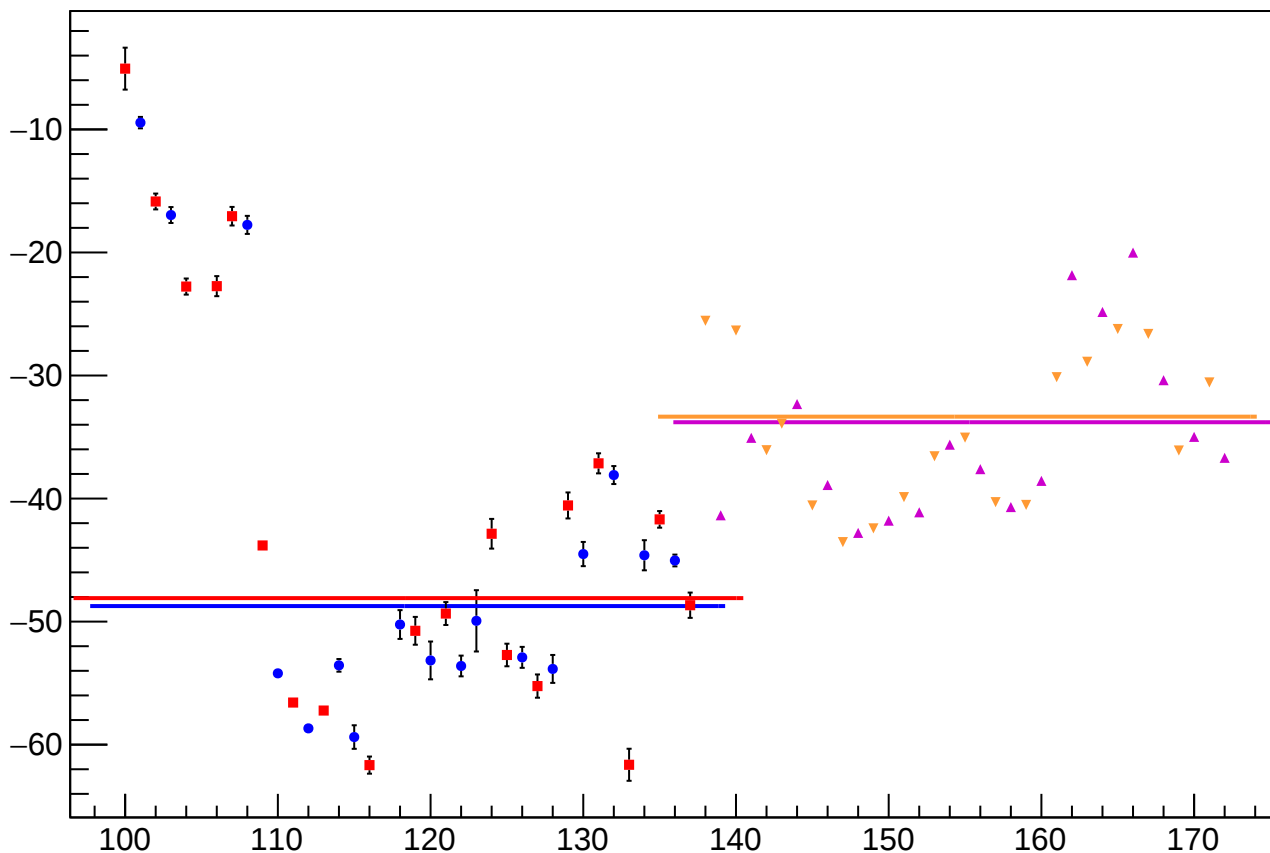
Right: -41.035 ± 0.053 $\chi^2/\text{NDF}: 18264.1/35$

In: -39.061 ± 0.043 $\chi^2/\text{NDF}: 18037.2/33$

Out: -38.599 ± 0.041 $\chi^2/\text{NDF}: 18636.9/36$

All: -38.819 ± 0.030 $\chi^2/\text{NDF}: 36734.1/70$

reg_asym_sam8_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -48.737 ± 0.125 $\chi^2/\text{NDF}: 14658.1/16$

Left Out: -33.344 ± 0.069 $\chi^2/\text{NDF}: 7641.0/17$

Right Out: -48.092 ± 0.107 $\chi^2/\text{NDF}: 11733.2/18$

Left In: -33.797 ± 0.070 $\chi^2/\text{NDF}: 10443.0/16$

Left: -33.567 ± 0.049 $\chi^2/\text{NDF}: 18105.4/34$

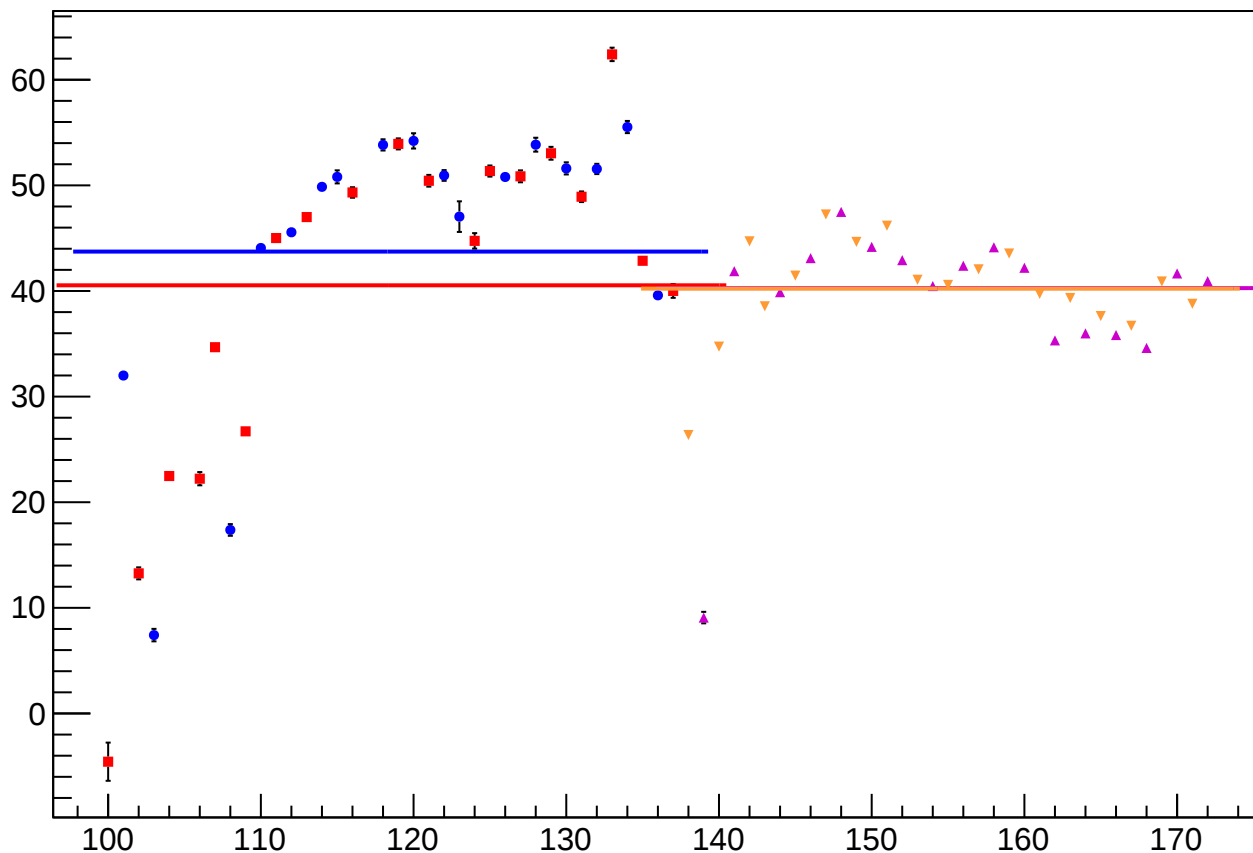
Right: -48.367 ± 0.081 $\chi^2/\text{NDF}: 26406.8/35$

In: -37.365 ± 0.061 $\chi^2/\text{NDF}: 36051.8/33$

Out: -37.650 ± 0.058 $\chi^2/\text{NDF}: 32765.3/36$

All: -37.515 ± 0.042 $\chi^2/\text{NDF}: 68828.7/70$

reg_asym_sam8_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.731 $\pm$ 0.087 χ^2/NDF : 10567.7/16

Left Out: 40.225 $\pm$ 0.058 χ^2/NDF : 5351.6/17

Right Out: 40.537 $\pm$ 0.080 χ^2/NDF : 17601.3/18

Left In: 40.272 $\pm$ 0.059 χ^2/NDF : 6825.8/16

Left: 40.248 $\pm$ 0.041 χ^2/NDF : 12177.8/34

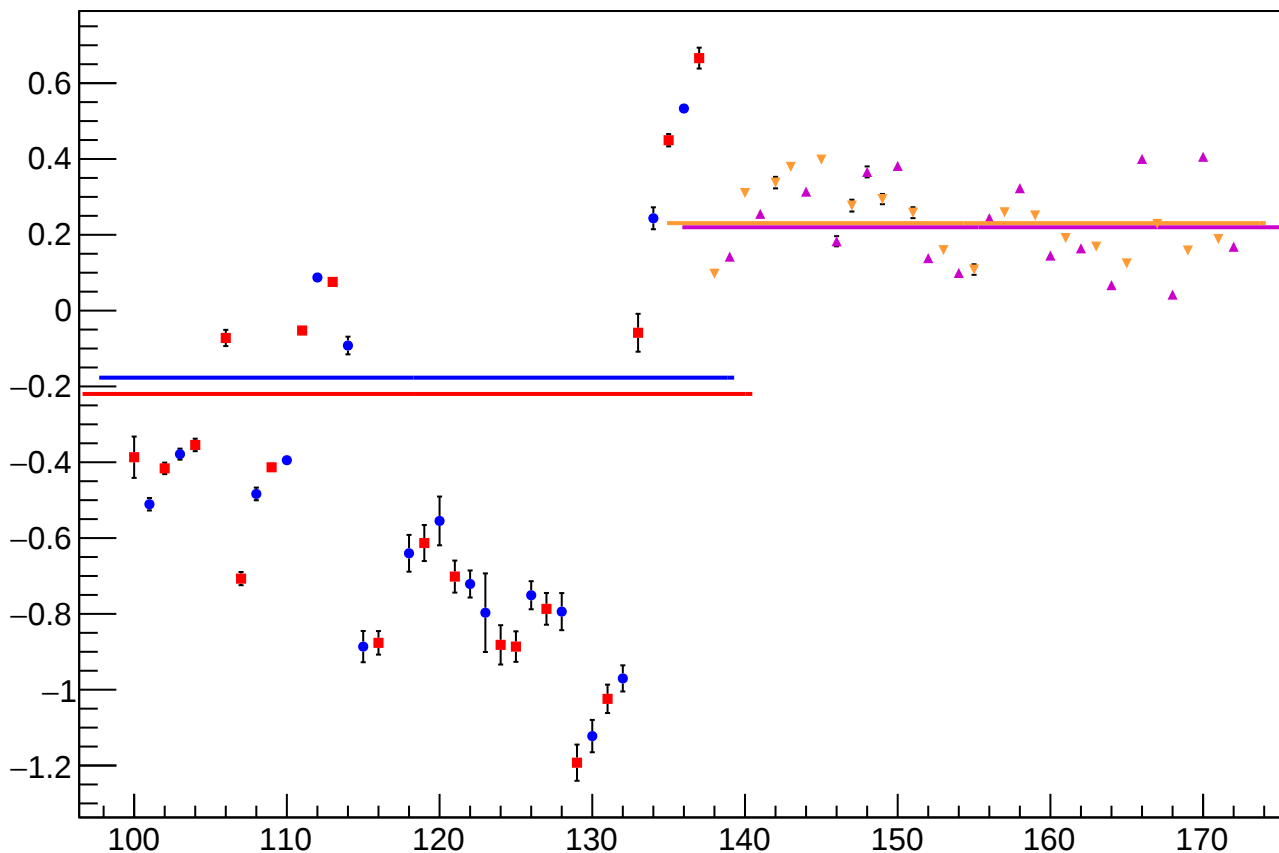
Right: 42.007 $\pm$ 0.059 χ^2/NDF : 28898.9/35

In: 41.376 $\pm$ 0.049 χ^2/NDF : 18473.4/33

Out: 40.331 $\pm$ 0.047 χ^2/NDF : 22963.0/36

All: 40.829 $\pm$ 0.034 χ^2/NDF : 41673.9/70

reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.177 ± 0.005 χ^2/NDF : 7364.7/16

Left Out: 0.231 ± 0.003 χ^2/NDF : 1016.0/17

Right Out: -0.220 ± 0.004 χ^2/NDF : 7430.4/18

Left In: 0.220 ± 0.003 χ^2/NDF : 1841.8/16

Left: 0.225 ± 0.002 χ^2/NDF : 2866.0/34

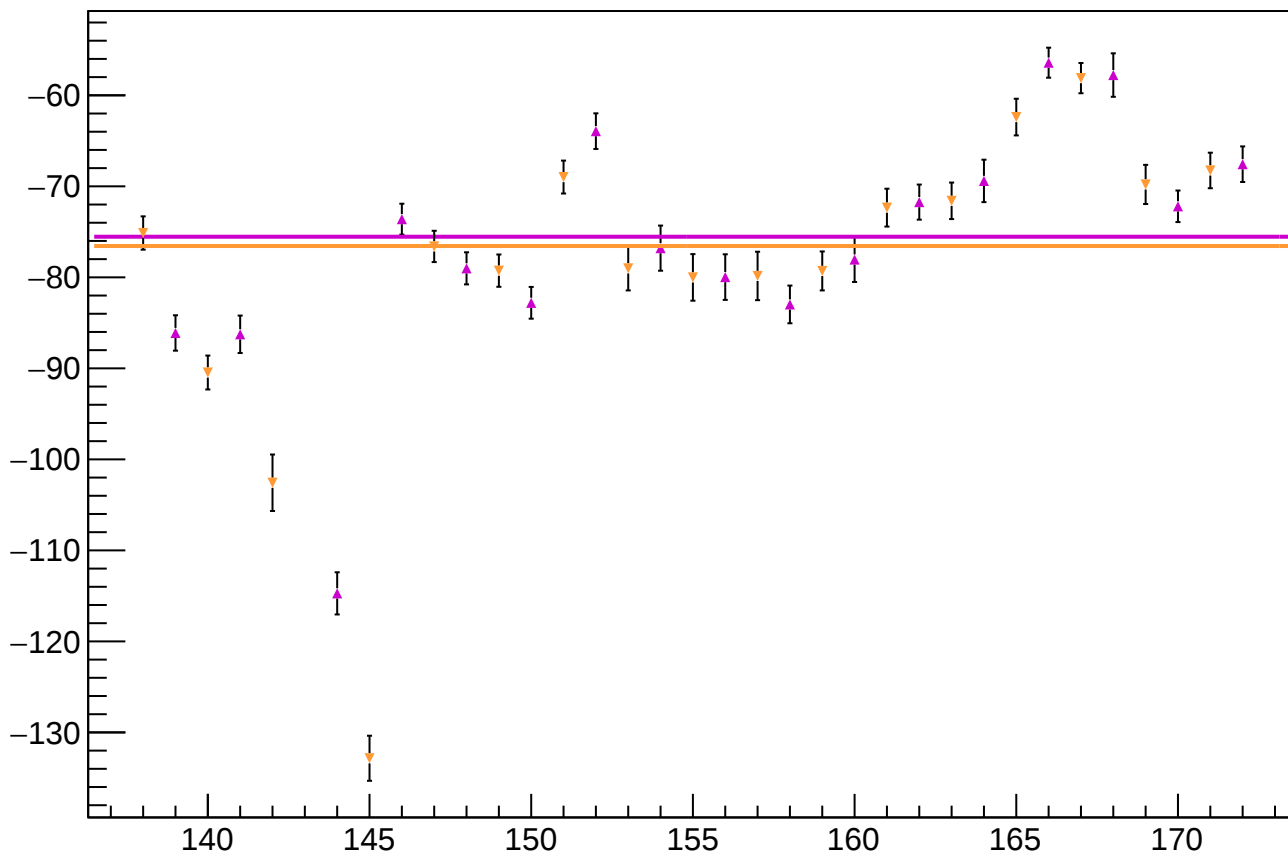
Right: -0.201 ± 0.003 χ^2/NDF : 14839.1/35

In: 0.124 ± 0.002 χ^2/NDF : 14306.0/33

Out: 0.104 ± 0.002 χ^2/NDF : 16330.1/36

All: 0.114 ± 0.002 χ^2/NDF : 30673.4/70

reg_asym_usl_diff_bpm1X_slope vs Slug, Sign Corrected



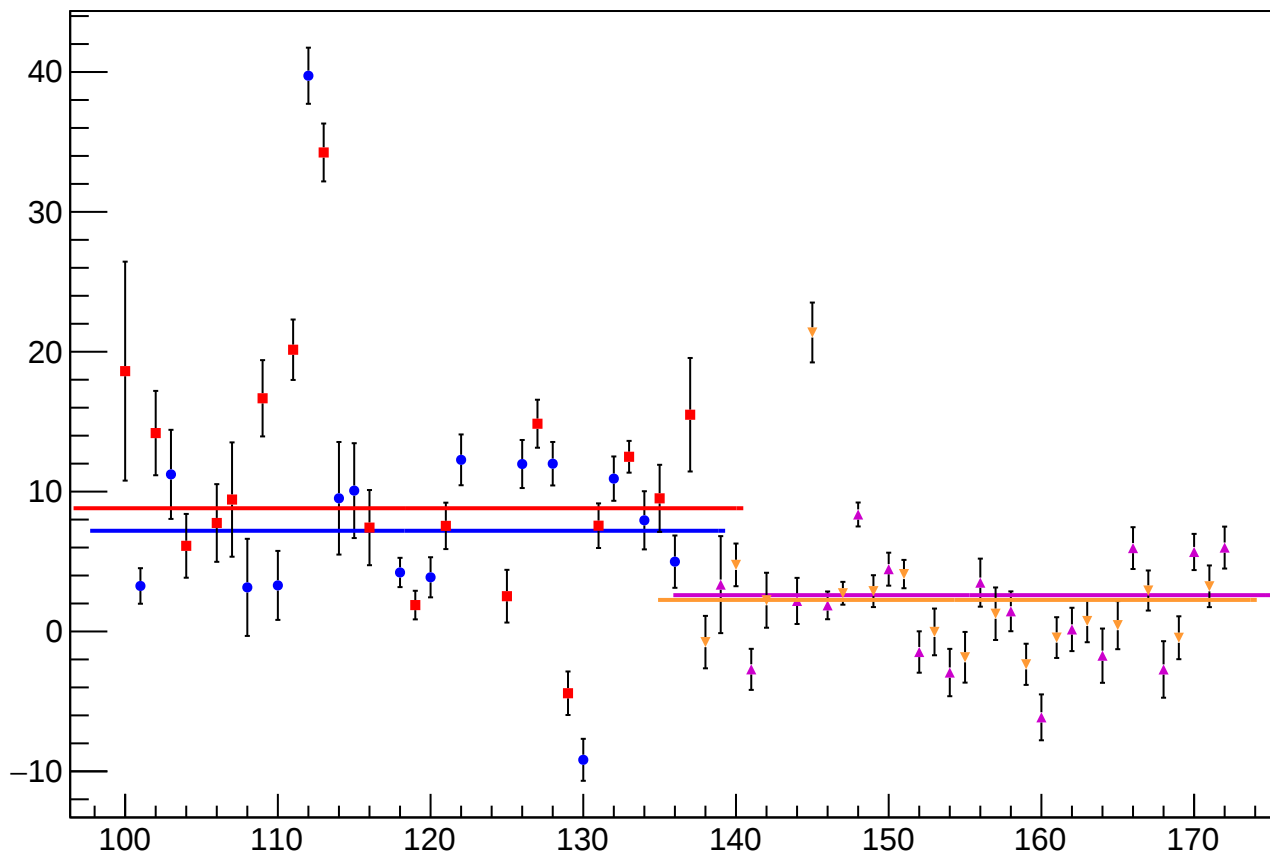
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -76.558+/-0.496 χ^2/NDF : 880.3/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -75.536+/-0.485 χ^2/NDF : 638.3/16

Left: -76.035+/-0.347 χ^2/NDF : 1520.7/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -75.536+/-0.485 χ^2/NDF : 638.3/16
 Out: -76.558+/-0.496 χ^2/NDF : 880.3/16

All: -76.035+/-0.347 χ^2/NDF : 1520.7/33

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 $\pm$ 0.440 χ^2 /NDF: 443.8/15

Left Out: 2.255 $\pm$ 0.344 χ^2 /NDF:115.4/16

Right Out: 8.810 $\pm$ 0.448 χ^2 /NDF: 349.7/17

Left In: 2.596 $\pm$ 0.344 χ^2 /NDF:139.4/16

Left: 2.426 $\pm$ 0.243 χ^2 /NDF: 255.3/33

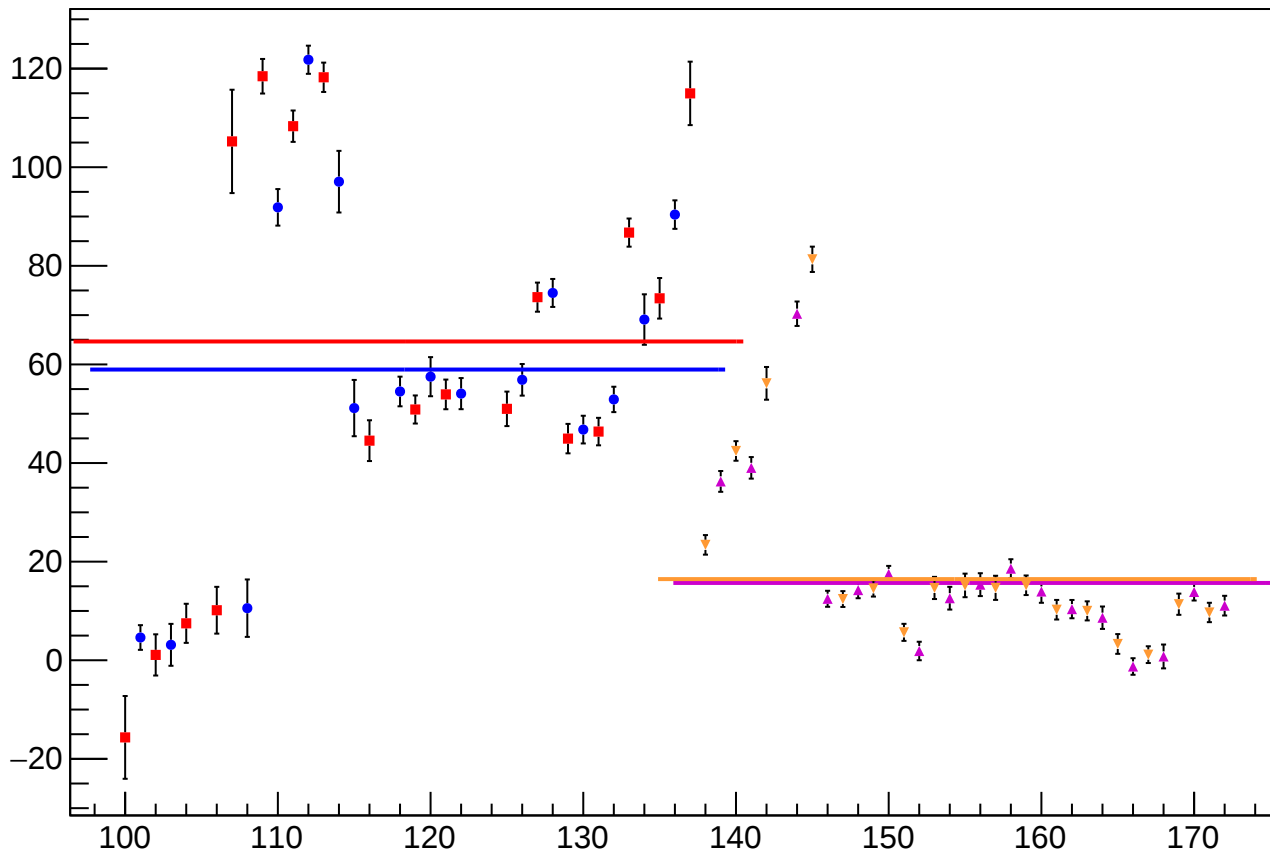
Right: 7.990 $\pm$ 0.314 χ^2 /NDF: 800.1/33

In: 4.346 $\pm$ 0.271 χ^2 /NDF:651.2/32

Out: 4.687 $\pm$ 0.273 χ^2 /NDF:599.9/34

All: 4.515 $\pm$ 0.192 χ^2 /NDF: 1251.8/67

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 58.962 $\pm$ 0.837 χ^2 /NDF: 1496.5/15

Left Out: 16.460 $\pm$ 0.487 χ^2 /NDF:1175.6/16

Right Out: 64.655 $\pm$ 0.840 χ^2 /NDF: 1721.8/17

Left In: 15.681 $\pm$ 0.475 χ^2 /NDF:923.4/16

Left: 16.061 $\pm$ 0.340 χ^2 /NDF: 2100.3/33

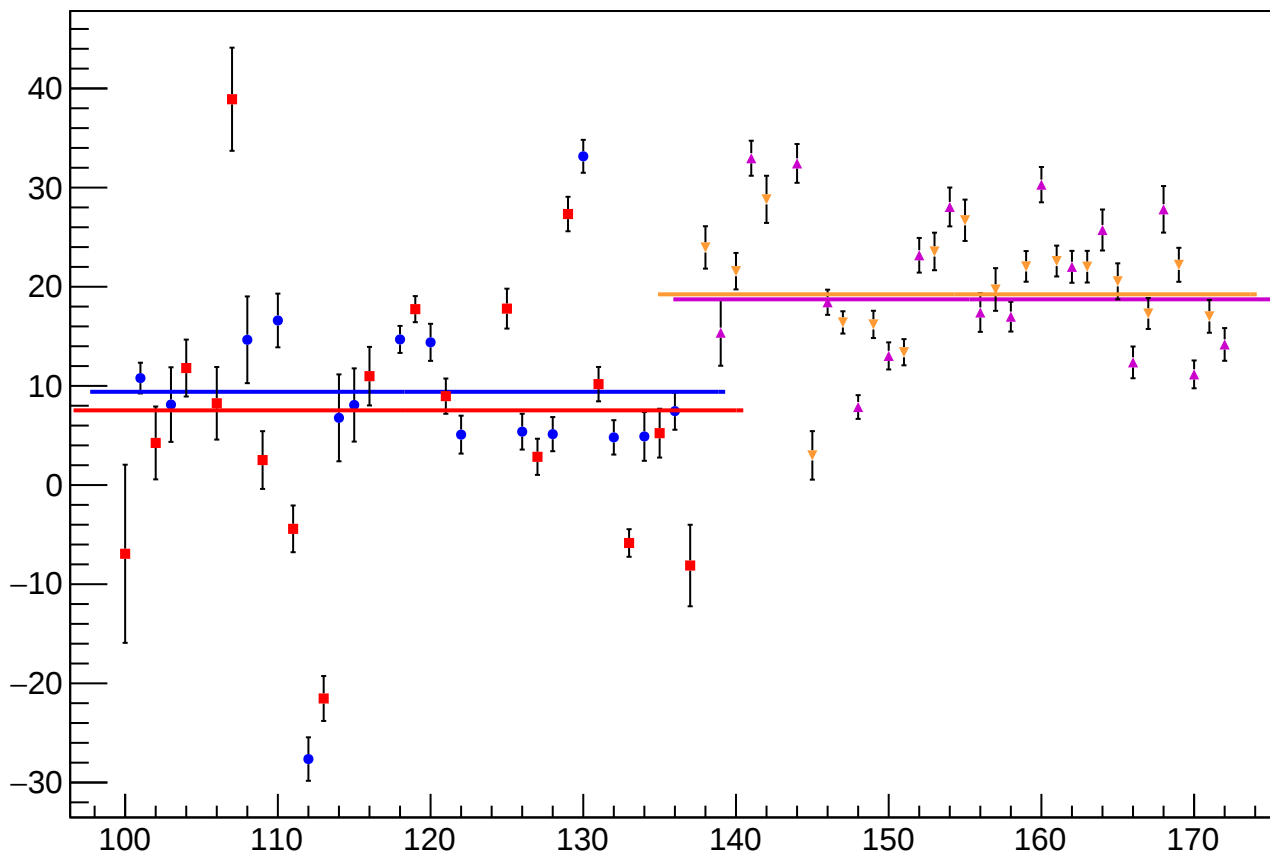
Right: 61.798 $\pm$ 0.593 χ^2 /NDF: 3241.4/33

In: 26.228 $\pm$ 0.413 χ^2 /NDF:4442.5/32

Out: 28.573 $\pm$ 0.421 χ^2 /NDF:5361.7/34

All: 27.378 $\pm$ 0.295 χ^2 /NDF: 9820.0/67

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 9.405 ± 0.507 χ^2/NDF : 549.5/15

Left Out: 19.236 ± 0.404 χ^2/NDF : 133.7/16

Right Out: 7.533 ± 0.515 χ^2/NDF : 569.8/17

Left In: 18.729 ± 0.402 χ^2/NDF : 371.1/16

Left: 18.981 ± 0.285 χ^2/NDF : 505.5/33

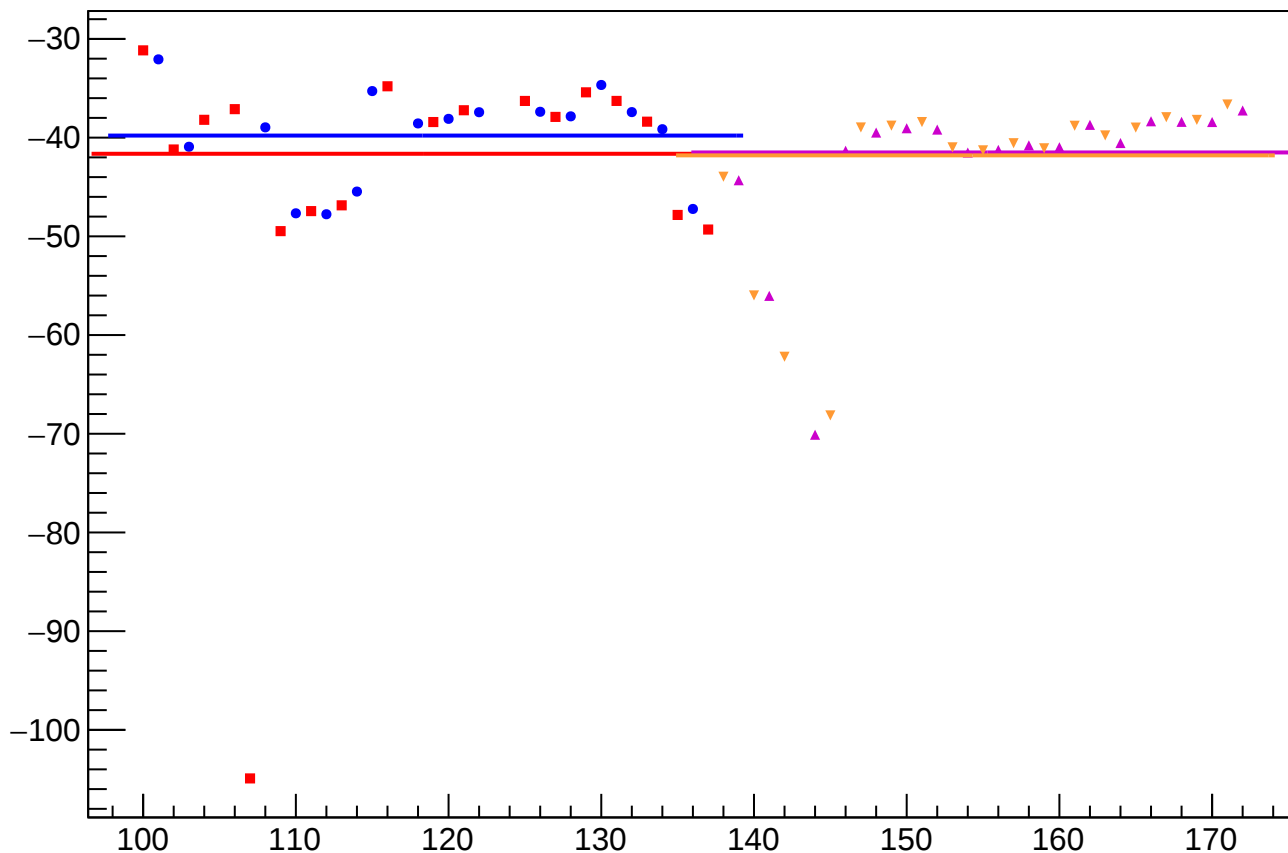
Right: 8.484 ± 0.361 χ^2/NDF : 1126.0/33

In: 15.132 ± 0.315 χ^2/NDF : 1128.6/32

Out: 14.775 ± 0.318 χ^2/NDF : 1023.2/34

All: 14.955 ± 0.224 χ^2/NDF : 2152.4/67

reg_asym_usl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -39.791 ± 0.031 χ^2/NDF : 26138.6/15

Left Out: -41.796 ± 0.019 χ^2/NDF : 137837.4/16

Right Out: -41.635 ± 0.031 χ^2/NDF : 94393.1/17

Left In: -41.501 ± 0.019 χ^2/NDF : 111231.8/16

Left: -41.644 ± 0.013 χ^2/NDF : 249190.3/33

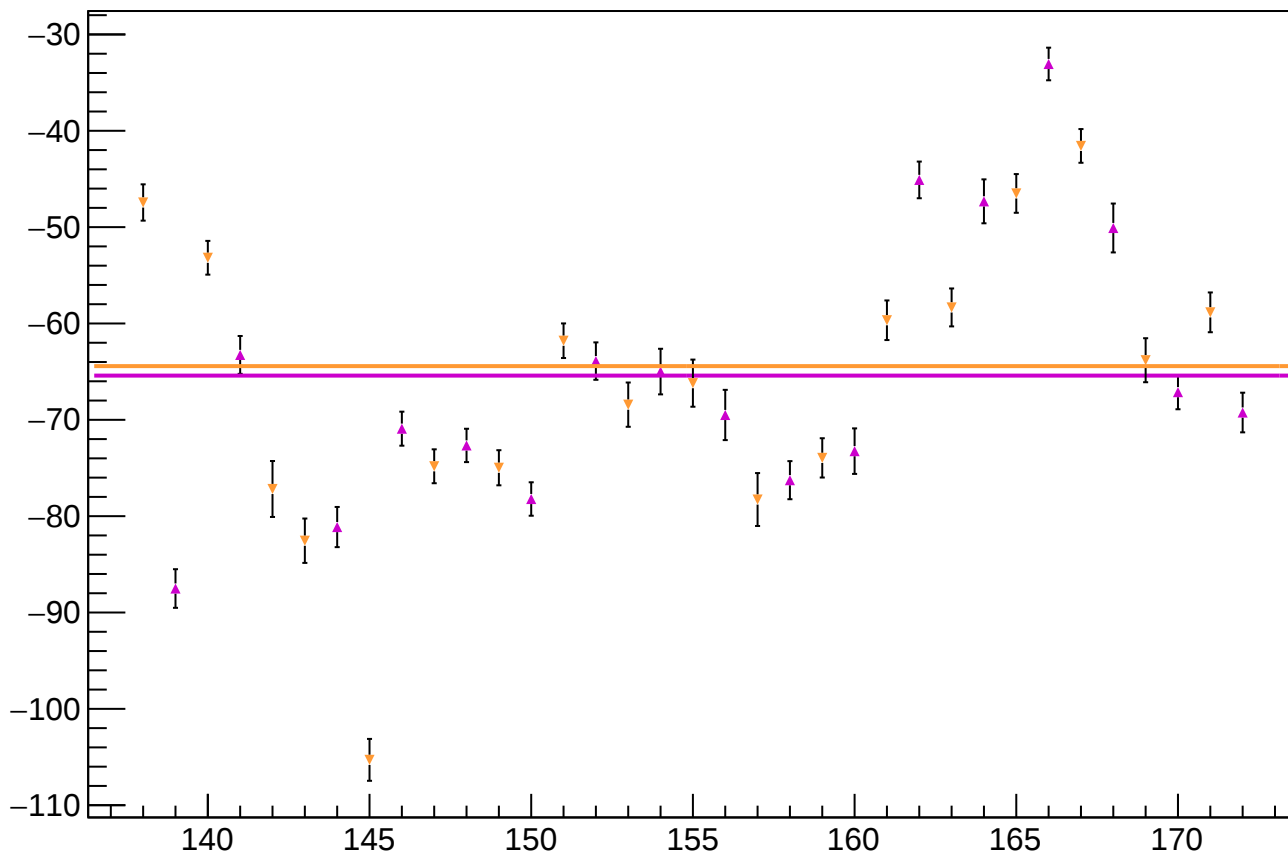
Right: -40.714 ± 0.022 χ^2/NDF : 122277.1/33

In: -41.052 ± 0.016 χ^2/NDF : 139581.9/32

Out: -41.752 ± 0.016 χ^2/NDF : 232249.7/34

All: -41.394 ± 0.011 χ^2/NDF : 372767.4/67

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



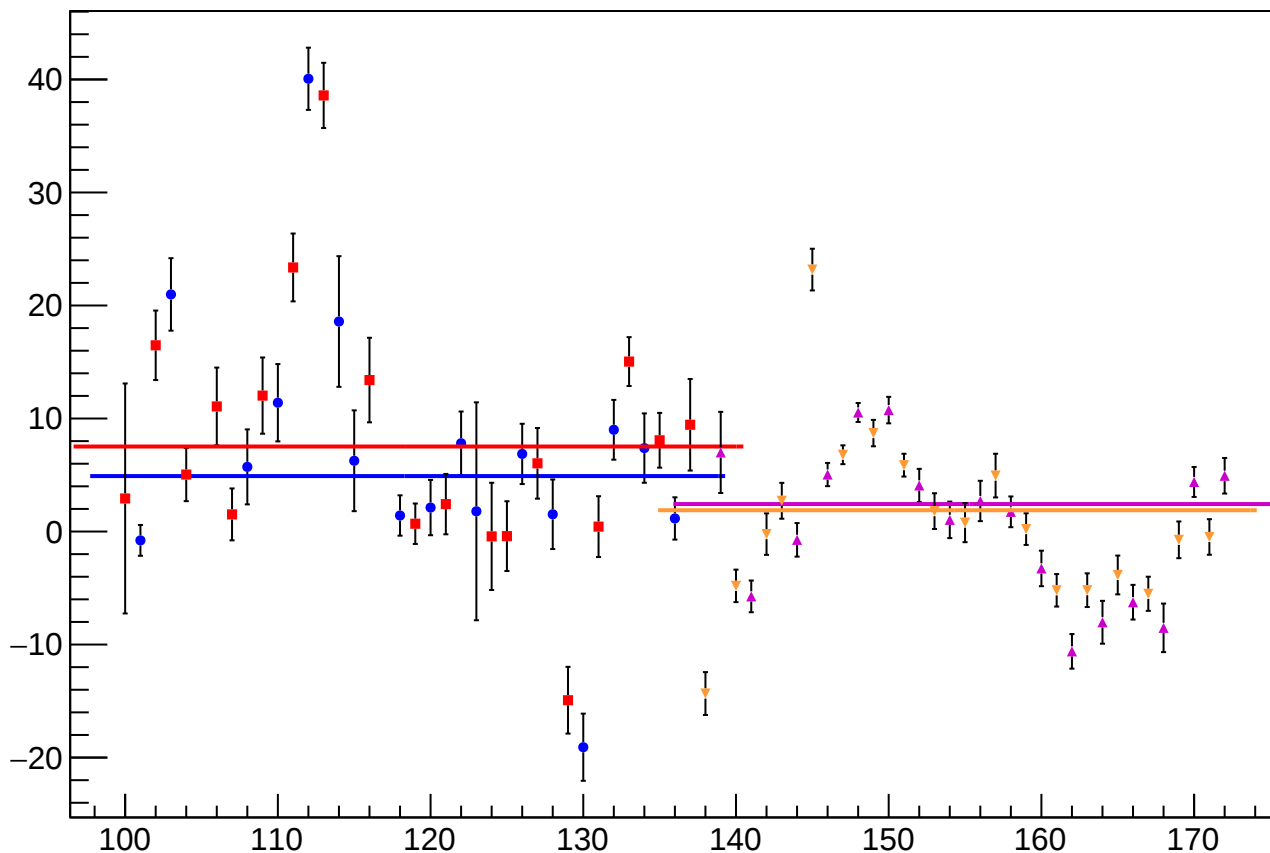
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -64.426+/-0.483 χ^2/NDF :950.9/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -65.410+/-0.484 χ^2/NDF :888.1/16

Left: -64.917+/-0.342 χ^2/NDF : 1841.0/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -65.410+/-0.484 χ^2/NDF :888.1/16
 Out: -64.426+/-0.483 χ^2/NDF :950.9/17

All: -64.917+/-0.342 χ^2/NDF : 1841.0/34

reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.907 $\pm$ 0.628 χ^2/NDF : 295.4/16

Left Out: 1.885 $\pm$ 0.335 χ^2/NDF :405.2/17

Right Out: 7.523 $\pm$ 0.651 χ^2/NDF : 270.6/18

Left In: 2.431 $\pm$ 0.342 χ^2/NDF :371.3/16

Left: 2.153 $\pm$ 0.239 χ^2/NDF : 777.8/34

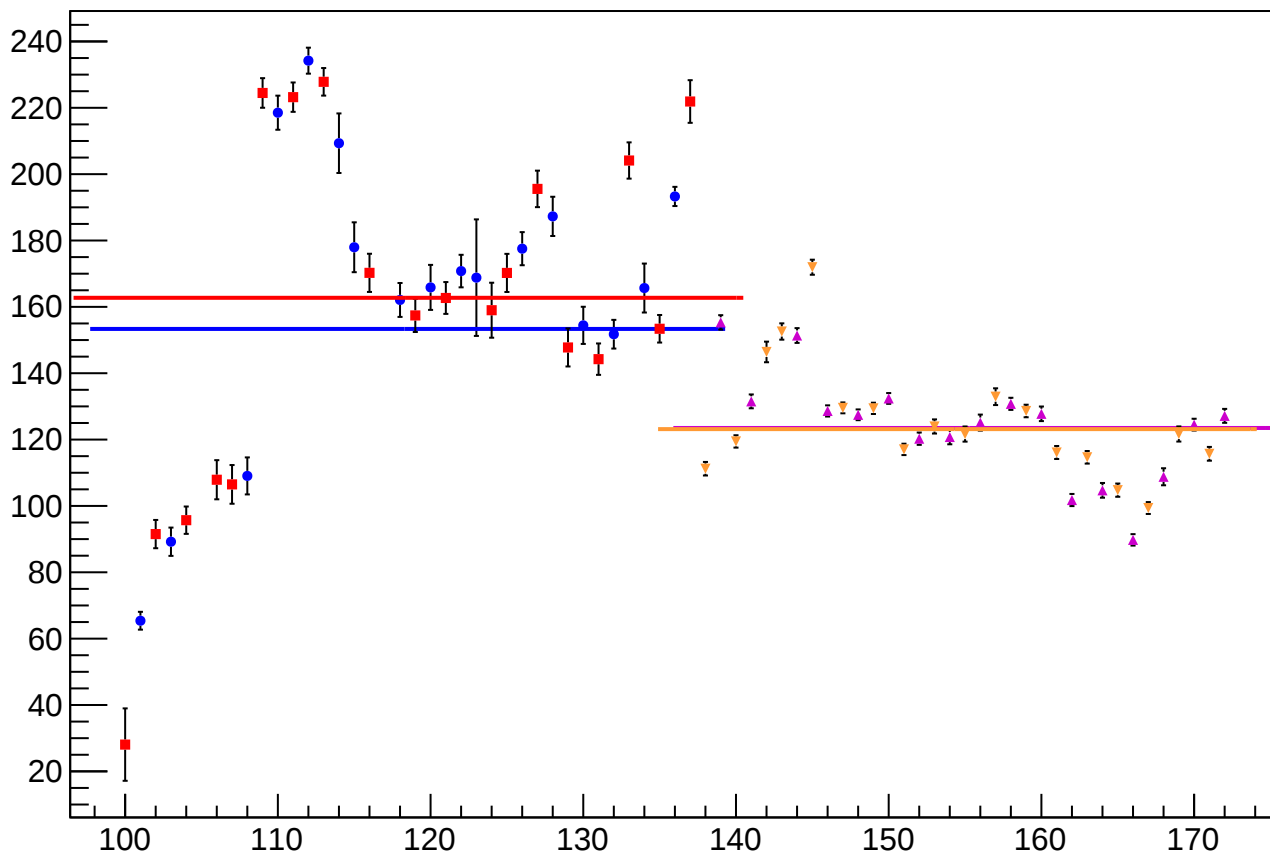
Right: 6.168 $\pm$ 0.452 χ^2/NDF : 574.4/35

In: 2.997 $\pm$ 0.300 χ^2/NDF :678.7/33

Out: 3.067 $\pm$ 0.298 χ^2/NDF :735.1/36

All: 3.032 $\pm$ 0.211 χ^2/NDF : 1413.9/70

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 153.350 $\pm$ 1.150 χ^2 /NDF: 2268.3/16

Left Out: 123.154 $\pm$ 0.476 χ^2 /NDF:1072.1/17

Right Out: 162.734 $\pm$ 1.177 χ^2 /NDF: 1708.8/18

Left In: 123.498 $\pm$ 0.474 χ^2 /NDF:1086.3/16

Left: 123.327 $\pm$ 0.336 χ^2 /NDF: 2158.7/34

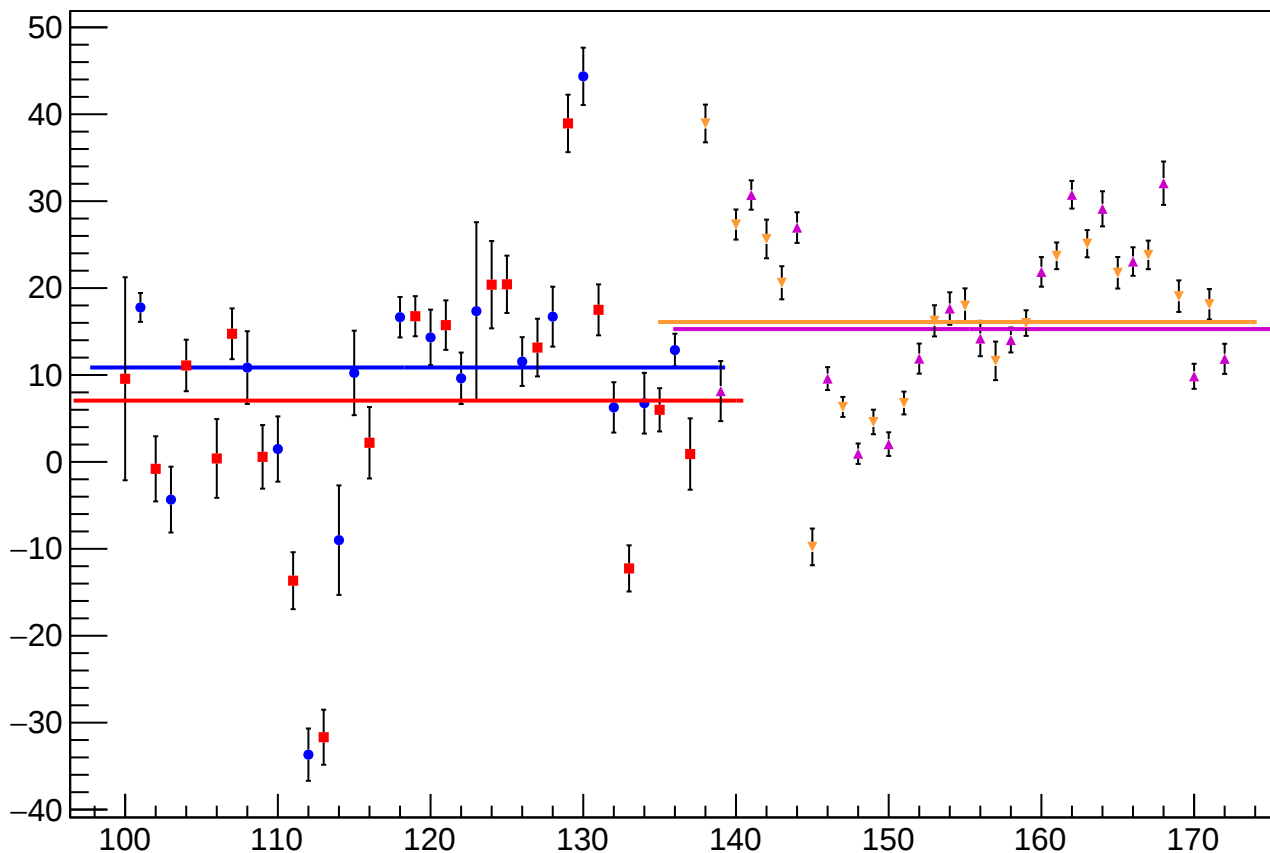
Right: 157.935 $\pm$ 0.823 χ^2 /NDF: 4009.6/35

In: 127.826 $\pm$ 0.438 χ^2 /NDF:3930.6/33

Out: 128.716 $\pm$ 0.441 χ^2 /NDF:3753.0/36

All: 128.268 $\pm$ 0.311 χ^2 /NDF: 7685.6/70

reg_asym_usr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.864 $\pm$ 0.719 χ^2 /NDF: 387.9/16

Left Out: 16.097 $\pm$ 0.394 χ^2 /NDF:614.2/17

Right Out: 7.052 $\pm$ 0.748 χ^2 /NDF: 424.7/18

Left In: 15.283 $\pm$ 0.399 χ^2 /NDF:642.9/16

Left: 15.695 $\pm$ 0.280 χ^2 /NDF: 1259.2/34

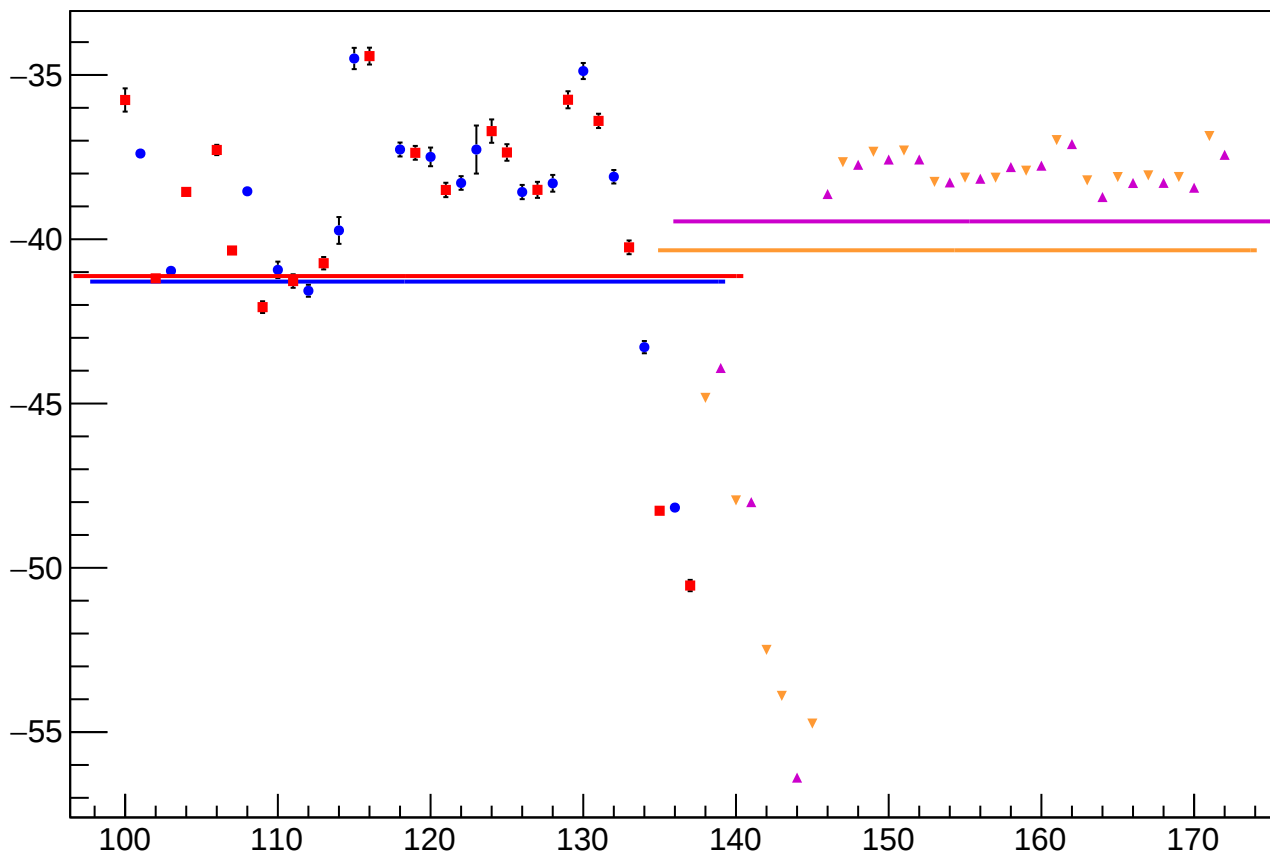
Right: 9.031 $\pm$ 0.518 χ^2 /NDF: 826.1/35

In: 14.243 $\pm$ 0.349 χ^2 /NDF:1059.7/33

Out: 14.133 $\pm$ 0.348 χ^2 /NDF:1153.5/36

All: 14.188 $\pm$ 0.247 χ^2 /NDF: 2213.3/70

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.289 ± 0.039 $\chi^2/\text{NDF}: 12509.1/16$

Left Out: -40.336 ± 0.019 $\chi^2/\text{NDF}: 81512.0/17$

Right Out: -41.120 ± 0.039 $\chi^2/\text{NDF}: 12110.6/18$

Left In: -39.456 ± 0.019 $\chi^2/\text{NDF}: 49918.2/16$

Left: -39.892 ± 0.013 $\chi^2/\text{NDF}: 132536.4/34$

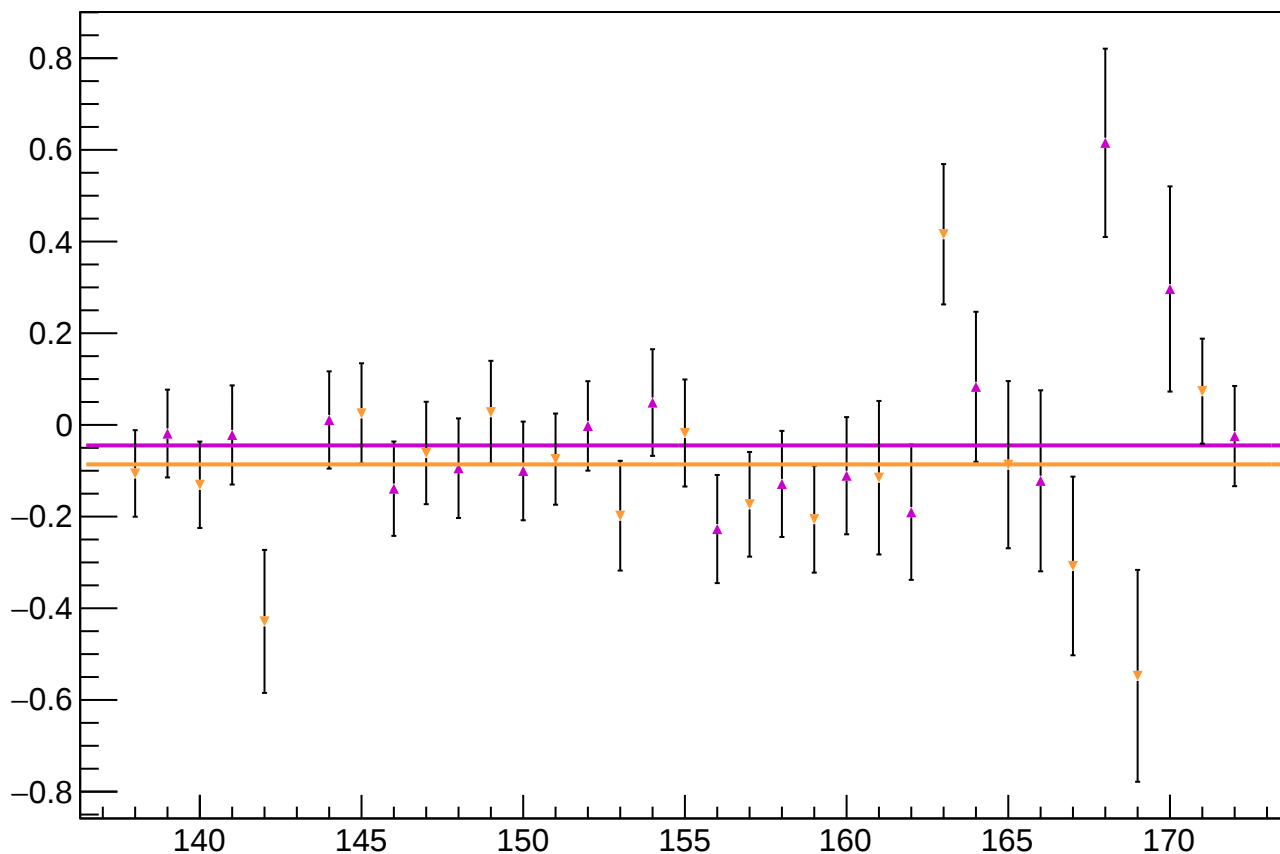
Right: -41.205 ± 0.027 $\chi^2/\text{NDF}: 24629.1/35$

In: -39.802 ± 0.017 $\chi^2/\text{NDF}: 64254.7/33$

Out: -40.486 ± 0.017 $\chi^2/\text{NDF}: 93955.5/36$

All: -40.141 ± 0.012 $\chi^2/\text{NDF}: 159035.4/70$

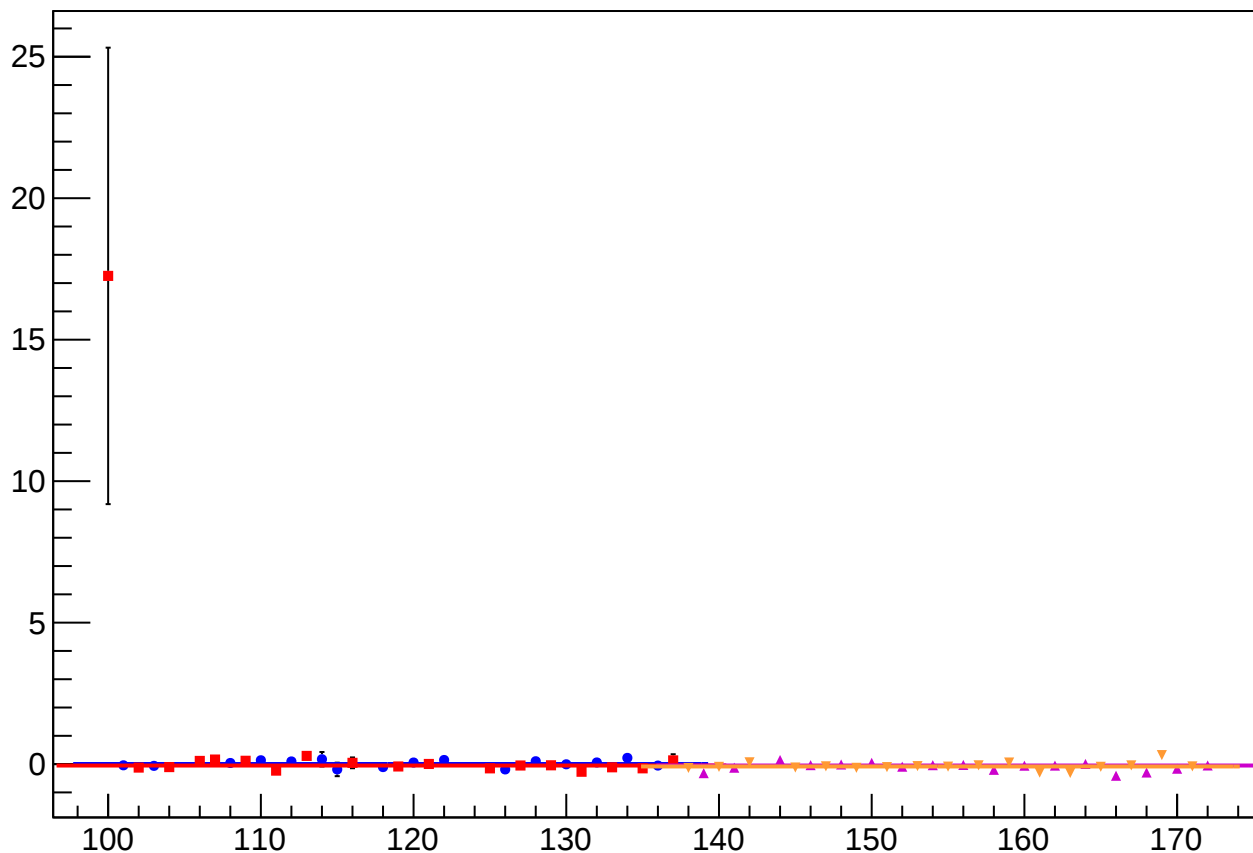
reg_asym_dsl_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.086 $\pm$ 0.030 χ^2 /NDF:28.1/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.045 $\pm$ 0.029 χ^2 /NDF:20.2/16

Left: -0.065 $\pm$ 0.021 χ^2 /NDF: 49.2/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.045 $\pm$ 0.029 χ^2 /NDF:20.2/16
 Out: -0.086 $\pm$ 0.030 χ^2 /NDF:28.1/16
 All: -0.065 $\pm$ 0.021 χ^2 /NDF: 49.2/33

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.003+/-0.029 χ^2/NDF : 12.4/15

Left Out: -0.083+/-0.021 χ^2/NDF : 19.7/16

Right Out: -0.050+/-0.029 χ^2/NDF : 25.6/17

Left In: -0.050+/-0.021 χ^2/NDF : 23.0/16

Left: -0.066+/-0.015 χ^2/NDF : 44.0/33

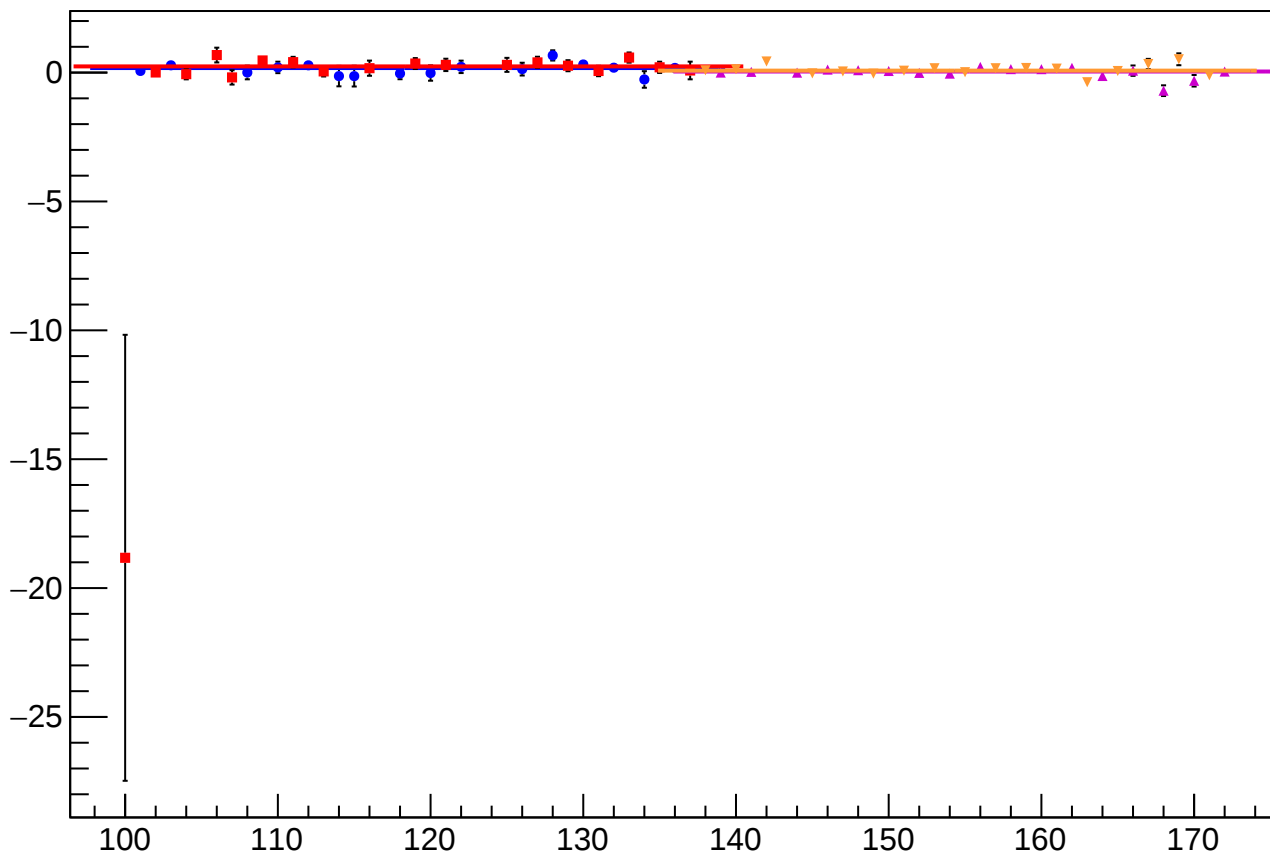
Right: -0.023+/-0.020 χ^2/NDF : 39.7/33

In: -0.031+/-0.017 χ^2/NDF : 37.7/32

Out: -0.072+/-0.017 χ^2/NDF : 46.1/34

All: -0.051+/-0.012 χ^2/NDF : 86.7/67

reg_asym_dsl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.176 $\pm$ 0.053 χ^2 /NDF: 13.0/15

Left Out: 0.075 $\pm$ 0.029 χ^2 /NDF: 27.0/16

Right Out: 0.240 $\pm$ 0.054 χ^2 /NDF: 21.6/17

Left In: 0.041 $\pm$ 0.029 χ^2 /NDF: 23.6/16

Left: 0.058 $\pm$ 0.020 χ^2 /NDF: 51.3/33

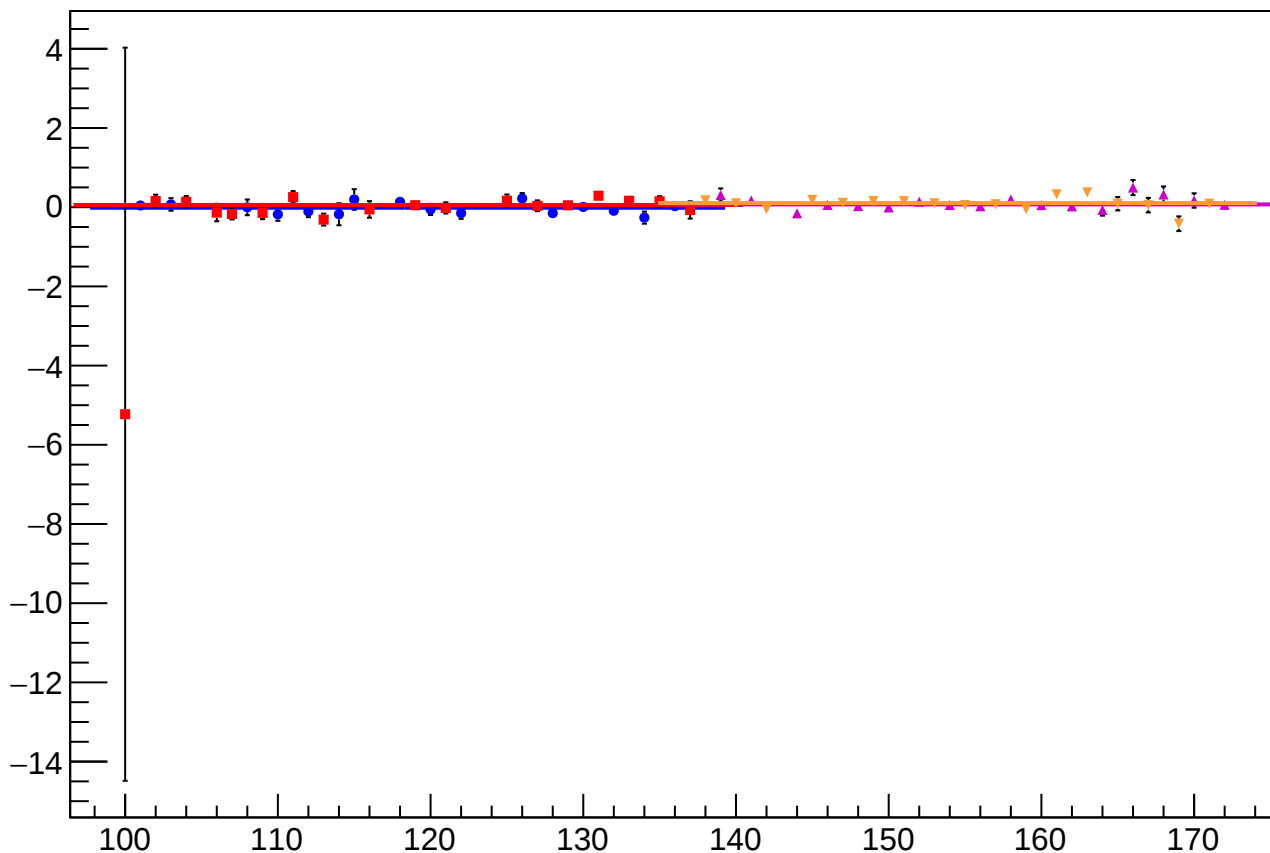
Right: 0.207 $\pm$ 0.038 χ^2 /NDF: 35.3/33

In: 0.072 $\pm$ 0.025 χ^2 /NDF: 41.7/32

Out: 0.113 $\pm$ 0.026 χ^2 /NDF: 55.8/34

All: 0.092 $\pm$ 0.018 χ^2 /NDF: 98.7/67

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.013 ± 0.033 χ^2/NDF : 13.6/15

Left Out: 0.104 ± 0.025 χ^2/NDF : 22.7/16

Right Out: 0.057 ± 0.034 χ^2/NDF : 20.3/17

Left In: 0.070 ± 0.024 χ^2/NDF : 21.7/16

Left: 0.087 ± 0.017 χ^2/NDF : 45.3/33

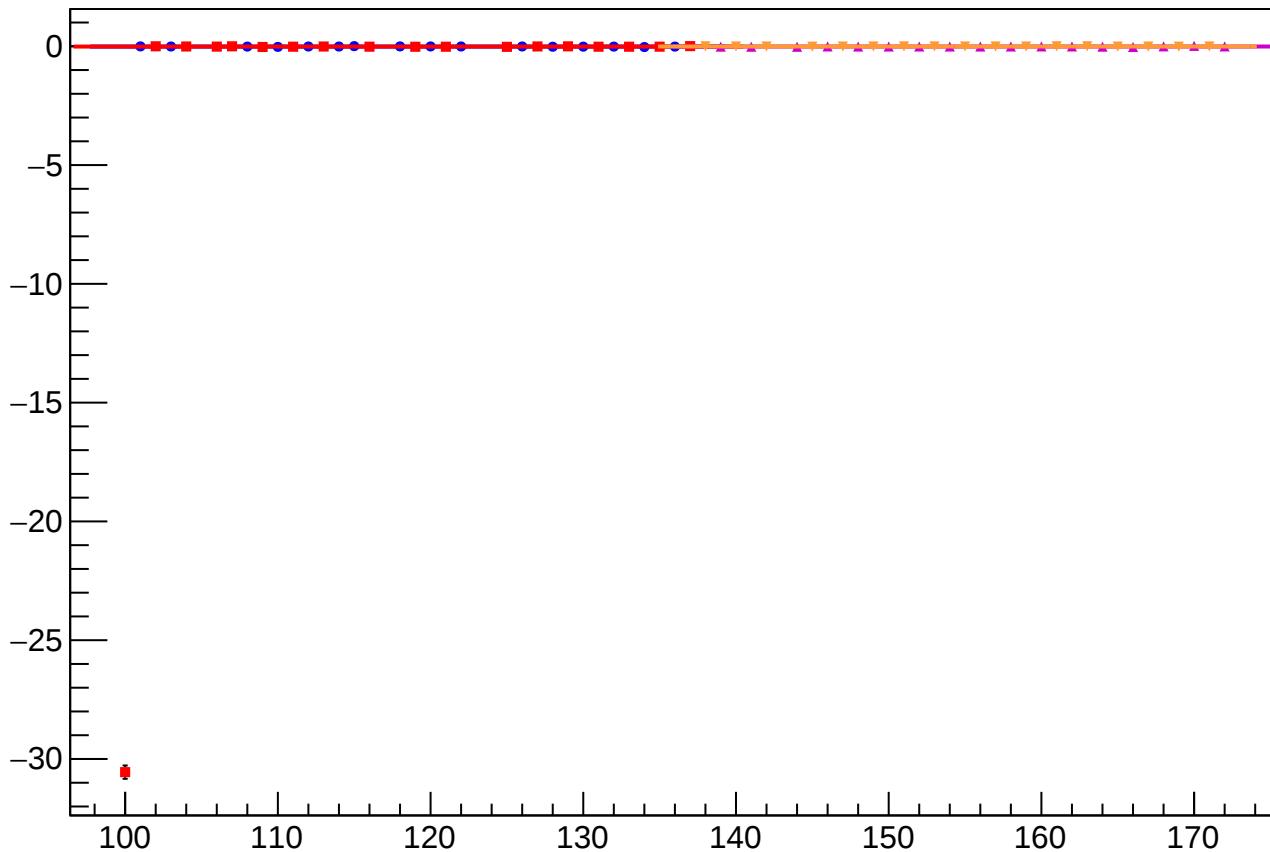
Right: 0.021 ± 0.024 χ^2/NDF : 36.2/33

In: 0.041 ± 0.020 χ^2/NDF : 39.4/32

Out: 0.088 ± 0.020 χ^2/NDF : 44.3/34

All: 0.064 ± 0.014 χ^2/NDF : 86.5/67

reg_asym_dsl_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.012+/-0.002 χ^2 /NDF: 12.8/15

Left Out: -0.009+/-0.001 χ^2 /NDF:13.6/16

Right Out: -0.012+/-0.002 χ^2 /NDF: 11891.4/17

Left In: -0.010+/-0.001 χ^2 /NDF:30.2/16

Left: -0.009+/-0.001 χ^2 /NDF: 44.4/33

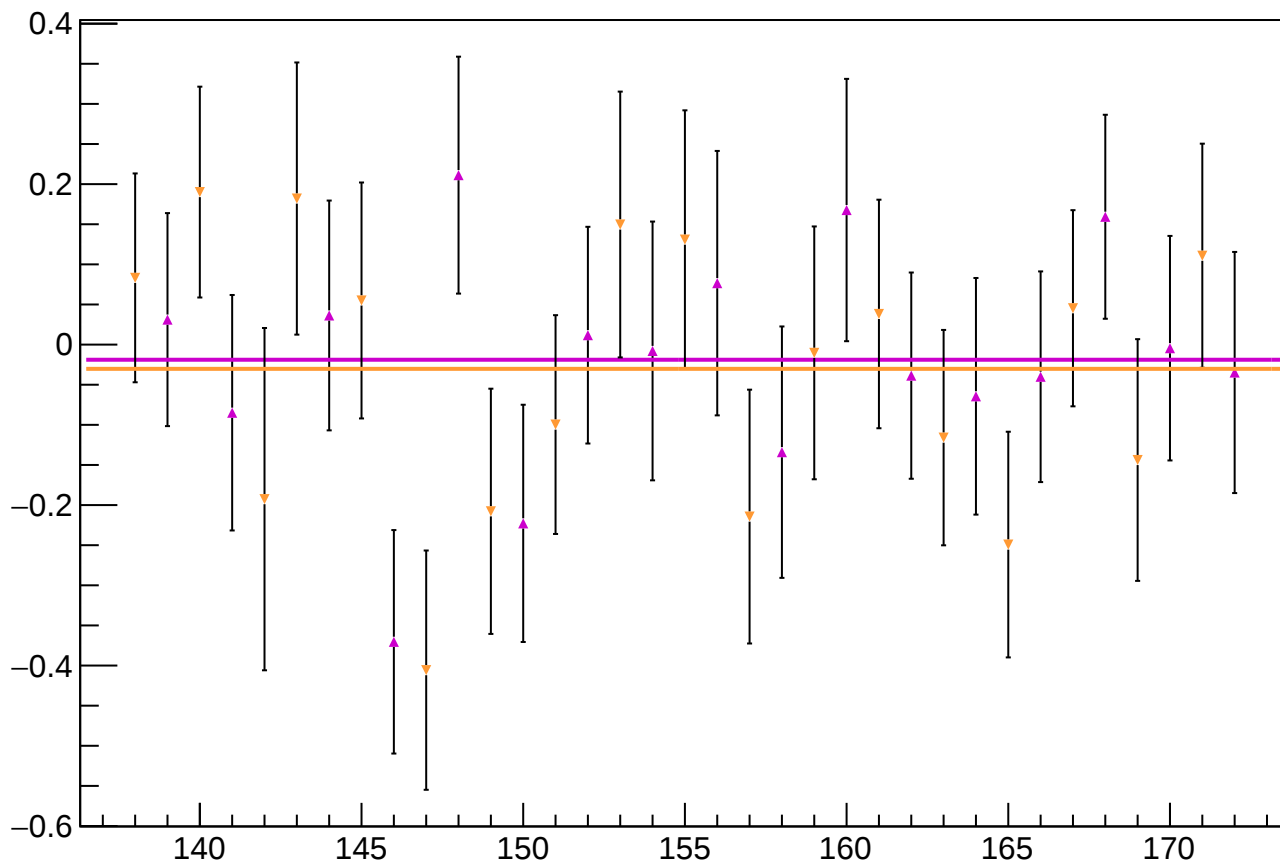
Right: -0.012+/-0.001 χ^2 /NDF: 11904.1/33

In: -0.010+/-0.001 χ^2 /NDF:43.9/32

Out: -0.010+/-0.001 χ^2 /NDF:11907.7/34

All: -0.010+/-0.001 χ^2 /NDF: 11952.0/67

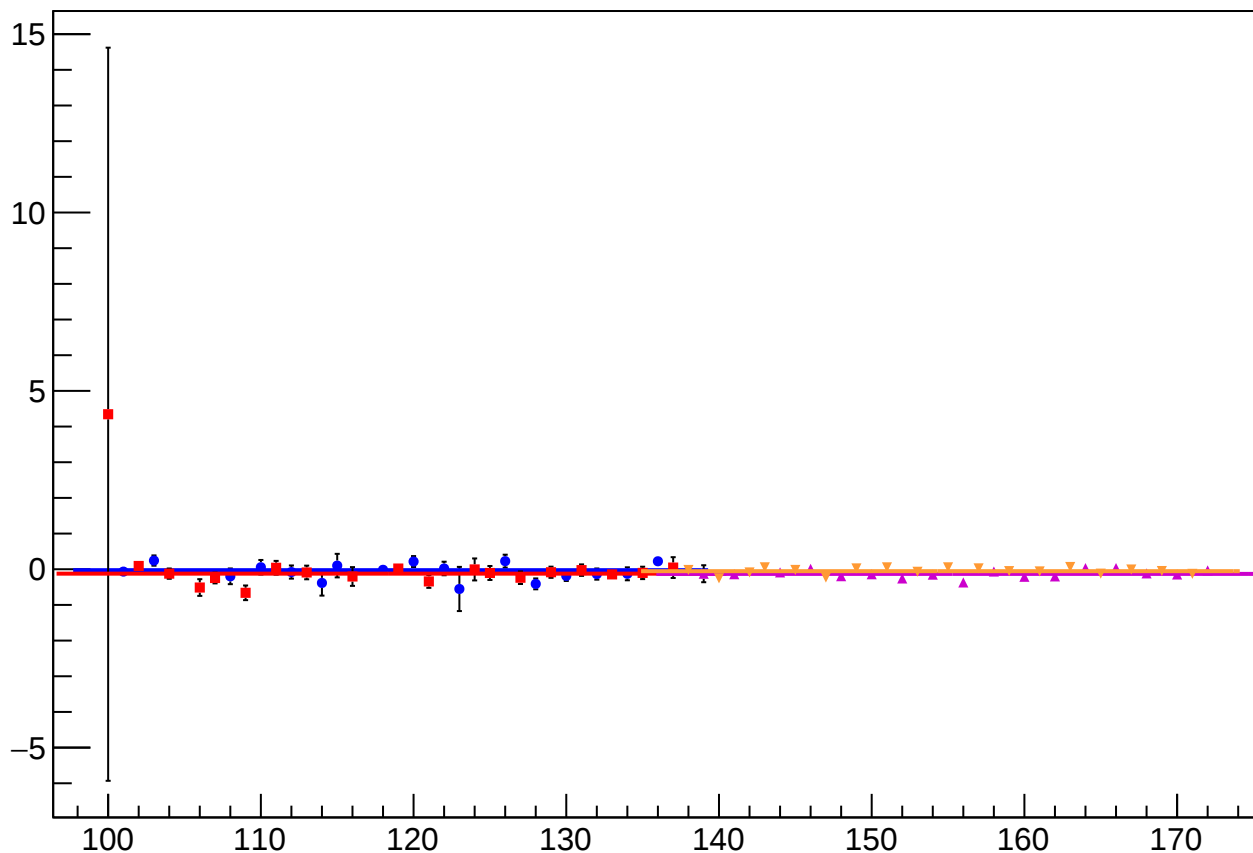
reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.030 $\pm$ 0.035 χ^2 /NDF:22.6/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.019 $\pm$ 0.035 χ^2 /NDF:15.6/16

Left: -0.025 $\pm$ 0.025 χ^2 /NDF: 38.2/34
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.019 $\pm$ 0.035 χ^2 /NDF:15.6/16
 Out: -0.030 $\pm$ 0.035 χ^2 /NDF:22.6/17
 All: -0.025 $\pm$ 0.025 χ^2 /NDF: 38.2/34

reg_asym_dsr_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.026 ± 0.037 χ^2/NDF : 22.7/16

Left Out: -0.054 ± 0.025 χ^2/NDF : 17.0/17

Right Out: -0.124 ± 0.039 χ^2/NDF : 18.3/18

Left In: -0.130 ± 0.025 χ^2/NDF : 15.8/16

Left: -0.091 ± 0.018 χ^2/NDF : 37.5/34

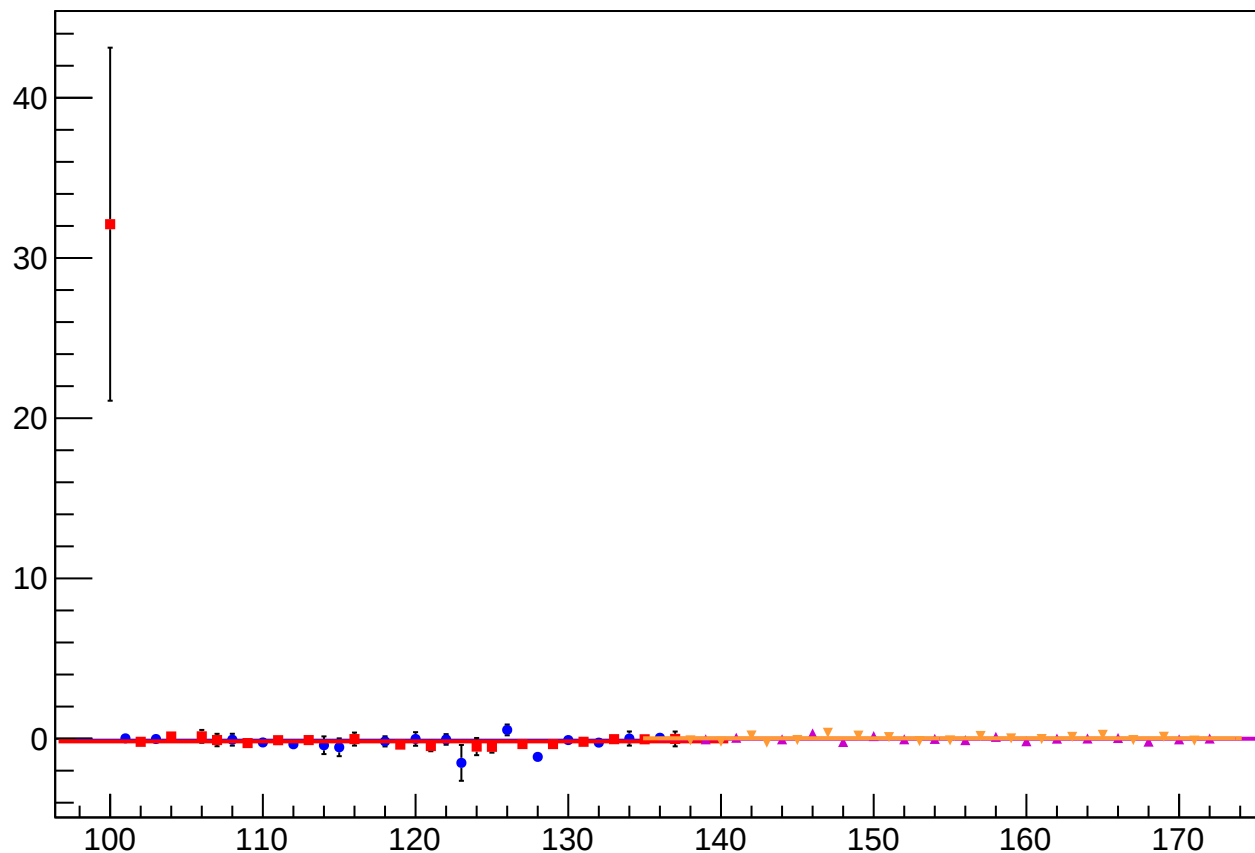
Right: -0.072 ± 0.027 χ^2/NDF : 44.3/35

In: -0.097 ± 0.021 χ^2/NDF : 44.0/33

Out: -0.074 ± 0.021 χ^2/NDF : 37.6/36

All: -0.085 ± 0.015 χ^2/NDF : 82.2/70

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.129 ± 0.067 $\chi^2/\text{NDF}: 23.1/16$

Left Out: 0.020 ± 0.034 $\chi^2/\text{NDF}: 22.4/17$

Right Out: -0.172 ± 0.071 $\chi^2/\text{NDF}: 14.9/18$

Left In: -0.006 ± 0.034 $\chi^2/\text{NDF}: 14.2/16$

Left: 0.007 ± 0.024 $\chi^2/\text{NDF}: 36.9/34$

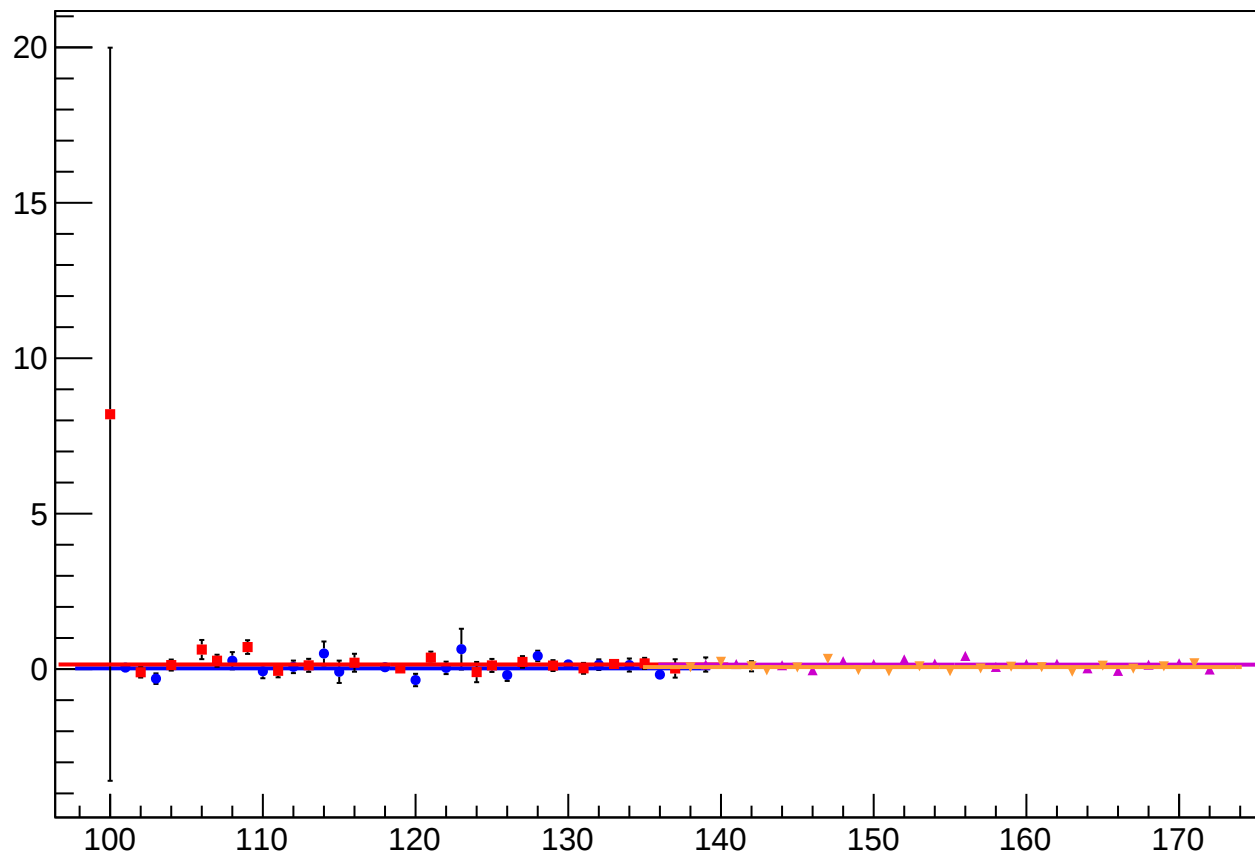
Right: -0.150 ± 0.049 $\chi^2/\text{NDF}: 38.2/35$

In: -0.032 ± 0.030 $\chi^2/\text{NDF}: 40.0/33$

Out: -0.016 ± 0.031 $\chi^2/\text{NDF}: 43.3/36$

All: -0.024 ± 0.022 $\chi^2/\text{NDF}: 83.4/70$

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.023+/-0.043 χ^2/NDF : 21.3/16

Left Out: 0.064+/-0.029 χ^2/NDF :16.6/17

Right Out: 0.148+/-0.045 χ^2/NDF : 16.6/18

Left In: 0.142+/-0.029 χ^2/NDF :16.4/16

Left: 0.102+/-0.021 χ^2/NDF : 36.7/34

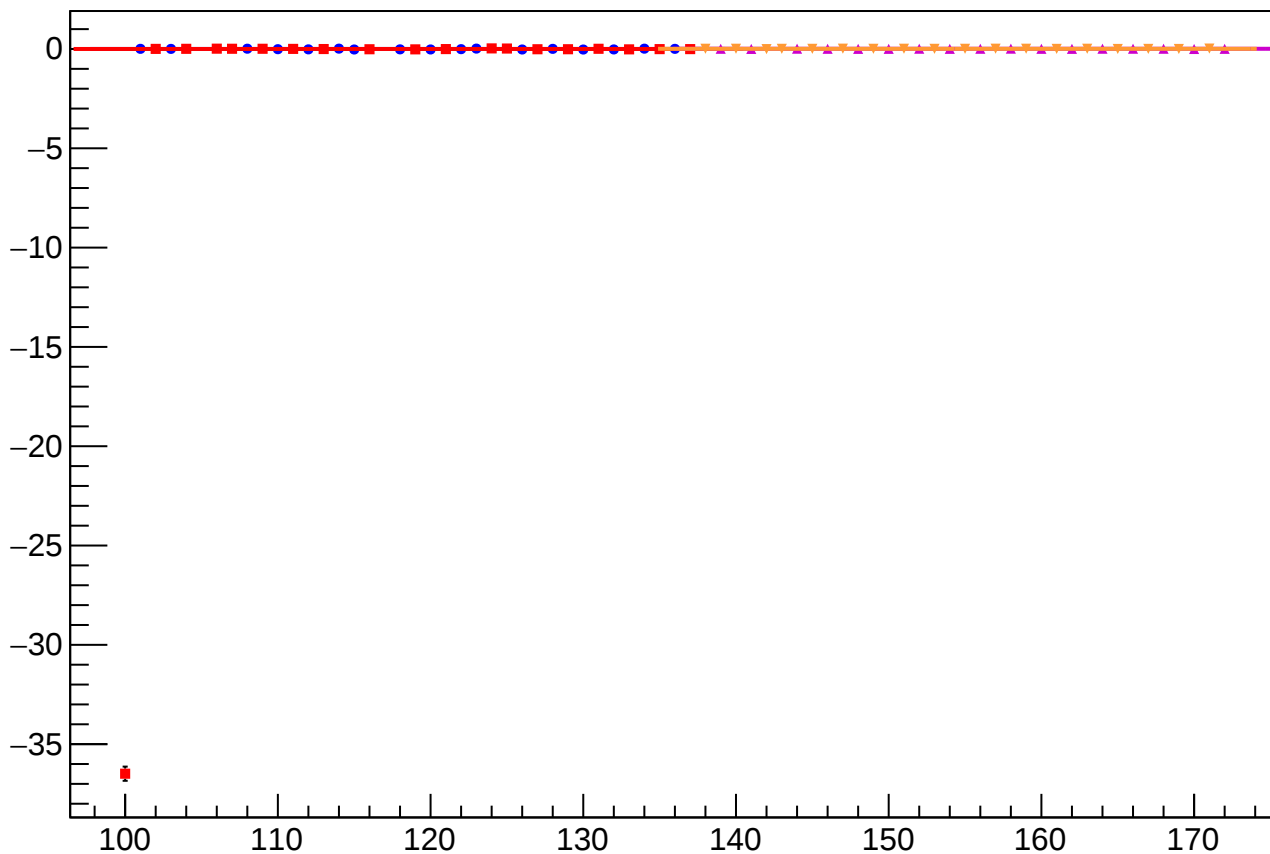
Right: 0.082+/-0.031 χ^2/NDF : 41.9/35

In: 0.104+/-0.024 χ^2/NDF :43.1/33

Out: 0.088+/-0.024 χ^2/NDF :35.7/36

All: 0.096+/-0.017 χ^2/NDF : 78.9/70

reg_asym_dsr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.001 $\pm$ 0.002 χ^2 /NDF: 30.6/16

Left Out: 0.010 $\pm$ 0.001 χ^2 /NDF:16.9/17

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 10449.1/18

Left In: 0.010 $\pm$ 0.001 χ^2 /NDF:9.7/16

Left: 0.010 $\pm$ 0.001 χ^2 /NDF: 26.6/34

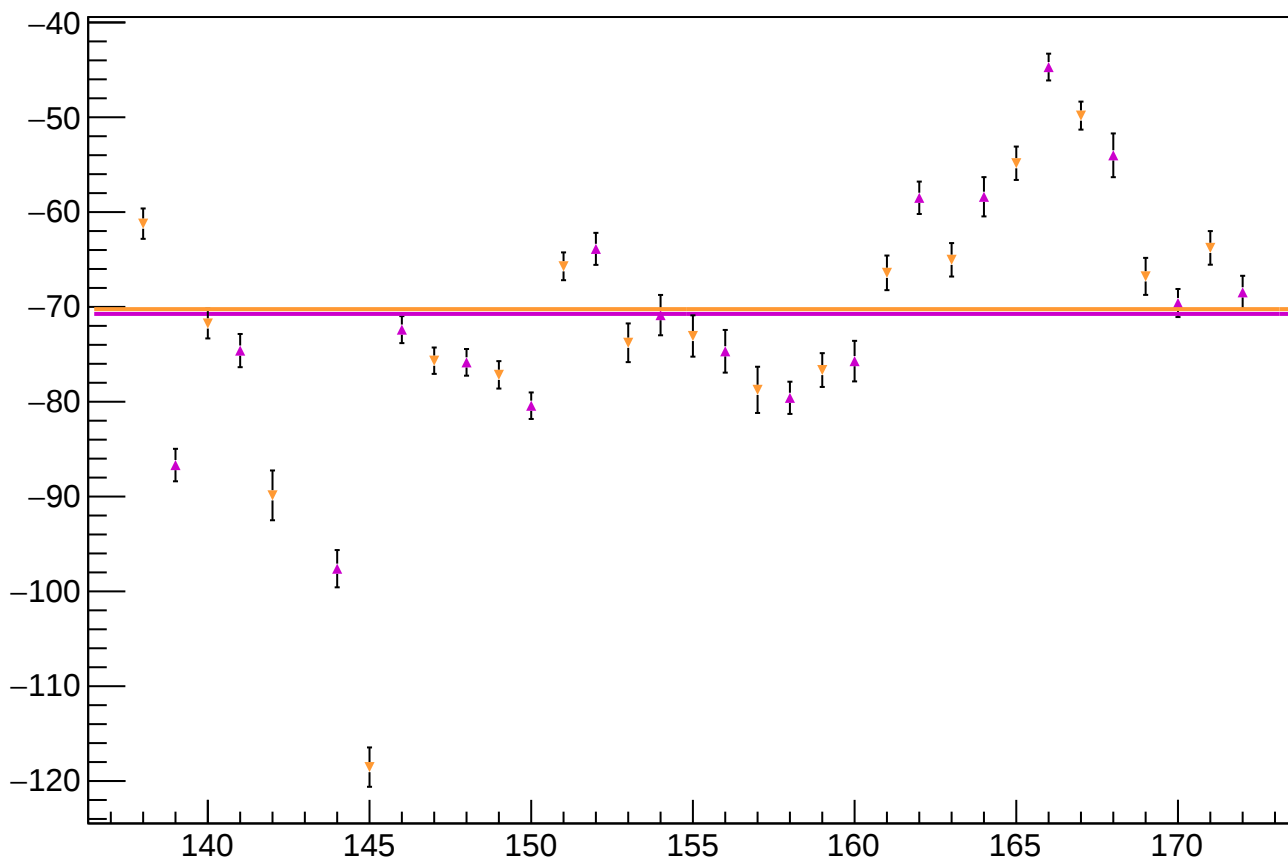
Right: 0.001 $\pm$ 0.002 χ^2 /NDF: 10479.7/35

In: 0.008 $\pm$ 0.001 χ^2 /NDF:52.1/33

Out: 0.008 $\pm$ 0.001 χ^2 /NDF:10477.5/36

All: 0.008 $\pm$ 0.001 χ^2 /NDF: 10529.6/70

reg_asym_us_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -70.232+/-0.425 χ^2/NDF :1004.5/16

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

Left In: -70.739+/-0.414 χ^2/NDF :874.4/16

Left: -70.492+/-0.297 χ^2/NDF : 1879.6/33

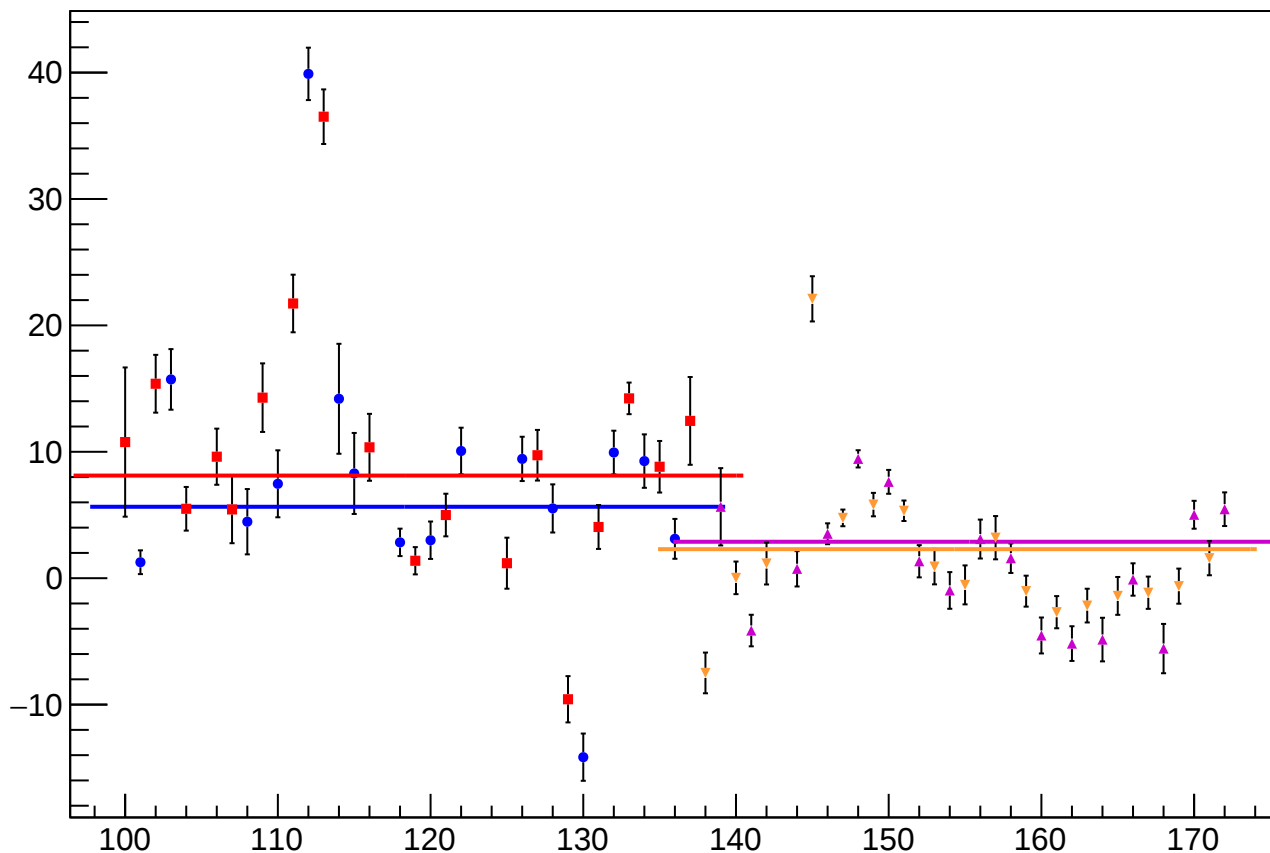
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -70.739+/-0.414 χ^2/NDF :874.4/16

Out: -70.232+/-0.425 χ^2/NDF :1004.5/16

All: -70.492+/-0.297 χ^2/NDF : 1879.6/33

reg_asym_us_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.651 ± 0.429 χ^2/NDF : 461.9/15

Left Out: 2.297 ± 0.290 χ^2/NDF : 262.3/16

Right Out: 8.119 ± 0.453 χ^2/NDF : 407.9/17

Left In: 2.883 ± 0.290 χ^2/NDF : 276.4/16

Left: 2.590 ± 0.205 χ^2/NDF : 540.8/33

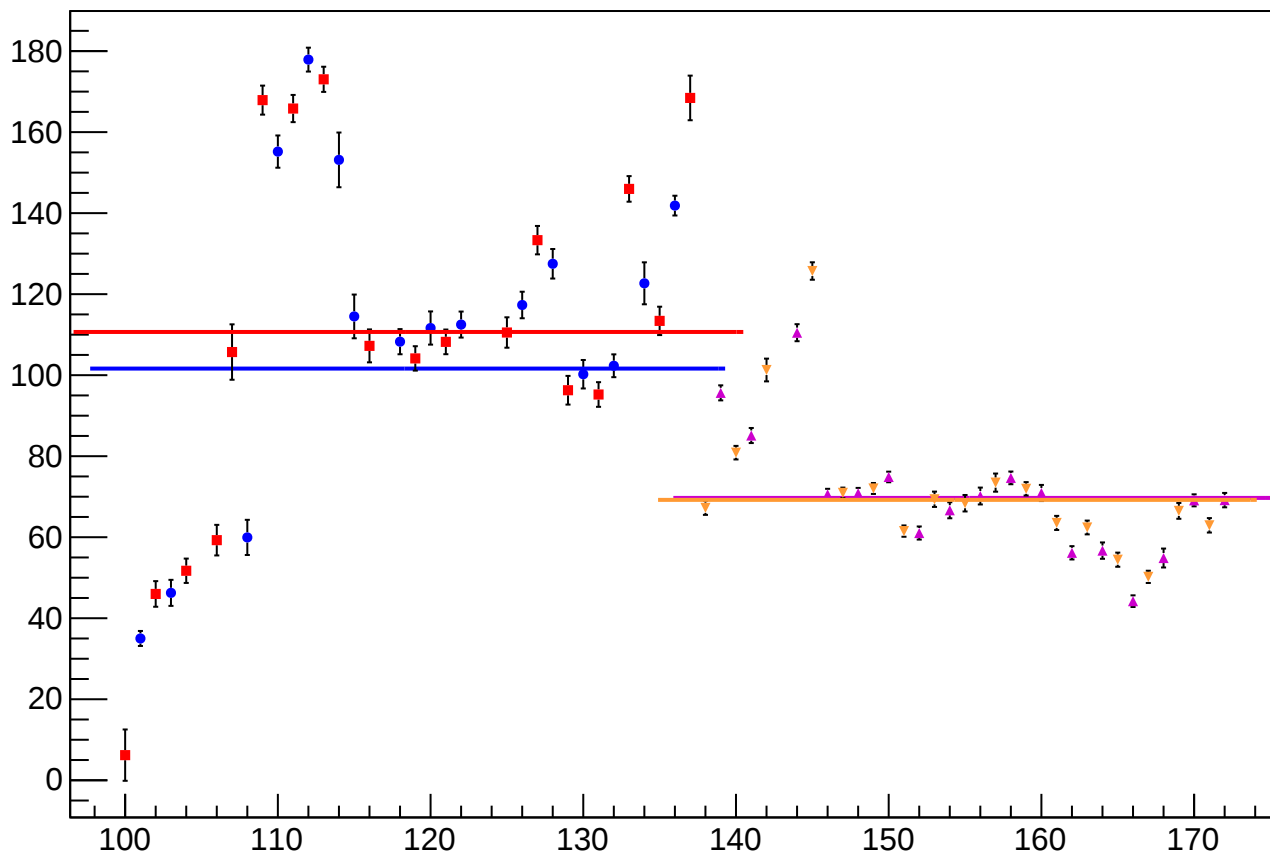
Right: 6.819 ± 0.311 χ^2/NDF : 885.4/33

In: 3.752 ± 0.240 χ^2/NDF : 766.8/32

Out: 3.992 ± 0.244 χ^2/NDF : 787.5/34

All: 3.870 ± 0.171 χ^2/NDF : 1554.9/67

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 101.630 $\pm$ 0.812 χ^2 /NDF: 2980.2/15

Left Out: 69.217 $\pm$ 0.416 χ^2 /NDF:1180.8/16

Right Out: 110.669 $\pm$ 0.836 χ^2 /NDF: 2514.0/17

Left In: 69.702 $\pm$ 0.405 χ^2 /NDF:1162.2/16

Left: 69.466 $\pm$ 0.290 χ^2 /NDF: 2343.7/33

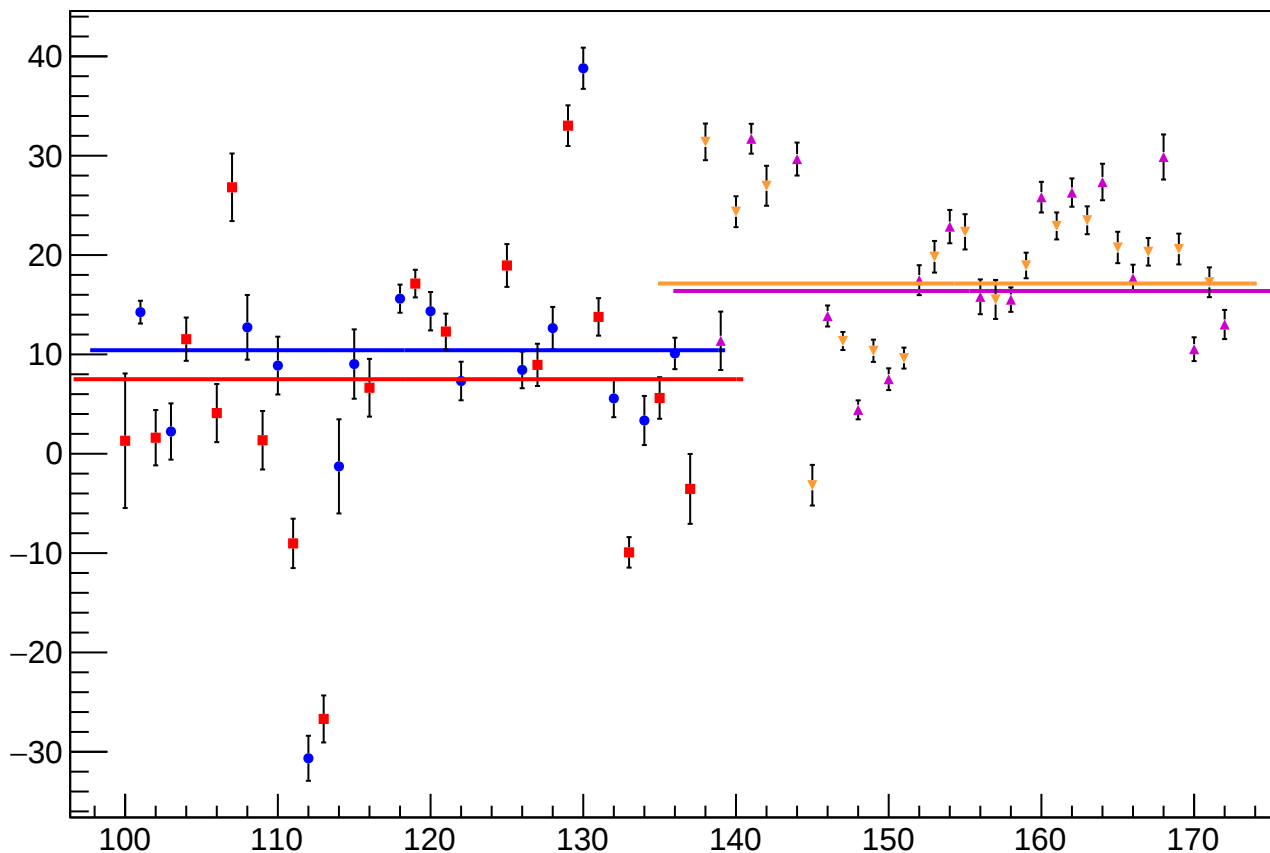
Right: 106.018 $\pm$ 0.583 χ^2 /NDF: 5554.3/33

In: 76.070 $\pm$ 0.363 χ^2 /NDF:5379.9/32

Out: 77.437 $\pm$ 0.372 χ^2 /NDF:5665.3/34

All: 76.736 $\pm$ 0.260 χ^2 /NDF: 11052.2/67

reg_asym_us_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 10.420 $\pm$ 0.497 χ^2 /NDF: 579.7/15

Left Out: 17.136 $\pm$ 0.343 χ^2 /NDF:399.7/16

Right Out: 7.502 $\pm$ 0.523 χ^2 /NDF: 689.4/17

Left In: 16.382 $\pm$ 0.340 χ^2 /NDF:602.7/16

Left: 16.757 $\pm$ 0.242 χ^2 /NDF: 1004.9/33

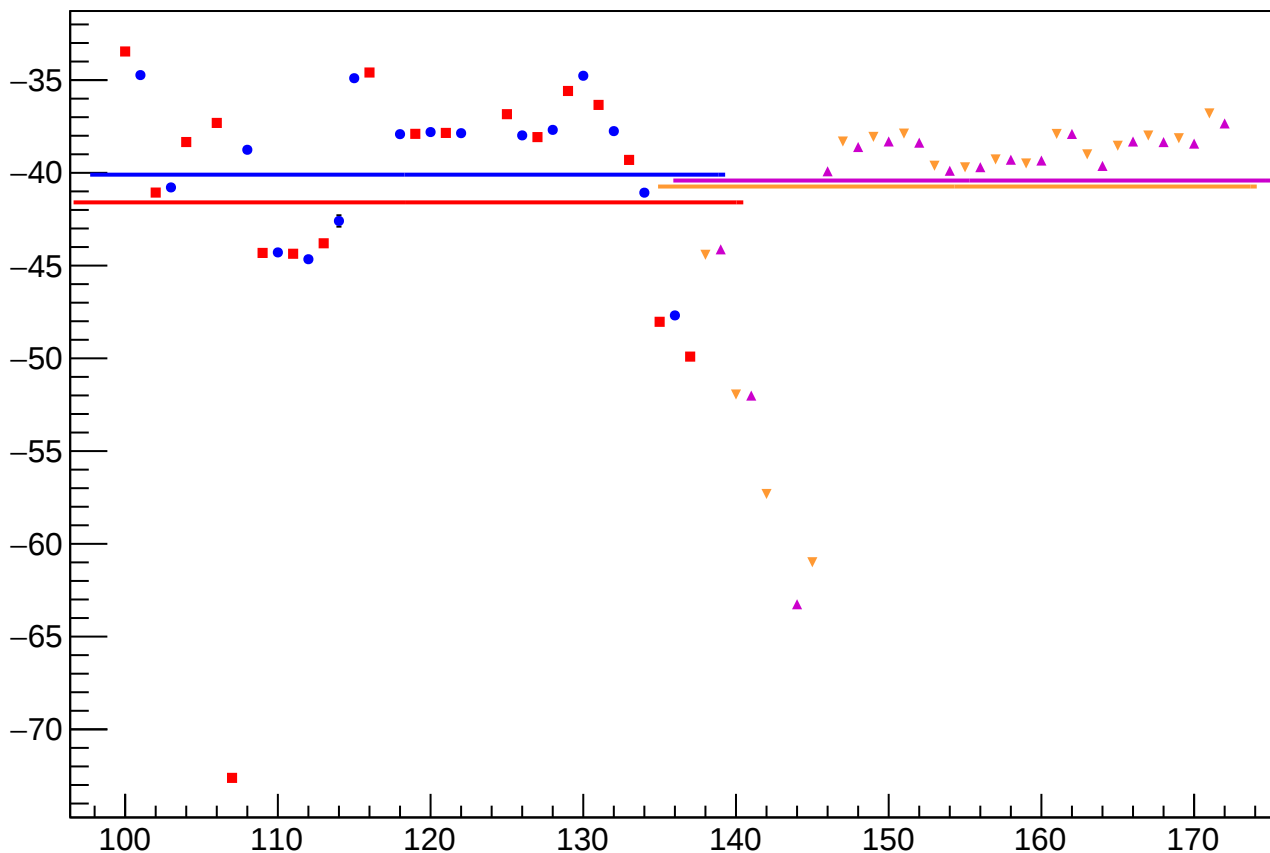
Right: 9.035 $\pm$ 0.360 χ^2 /NDF: 1285.5/33

In: 14.480 $\pm$ 0.281 χ^2 /NDF:1280.3/32

Out: 14.242 $\pm$ 0.287 χ^2 /NDF:1326.3/34

All: 14.363 $\pm$ 0.201 χ^2 /NDF: 2607.0/67

reg_asym_us_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -40.098 ± 0.028 χ^2/NDF : 25073.4/15

Left Out: -40.738 ± 0.016 χ^2/NDF : 121969.1/16

Right Out: -41.592 ± 0.029 χ^2/NDF : 61677.7/17

Left In: -40.414 ± 0.016 χ^2/NDF : 99562.3/16

Left: -40.571 ± 0.011 χ^2/NDF : 221730.5/33

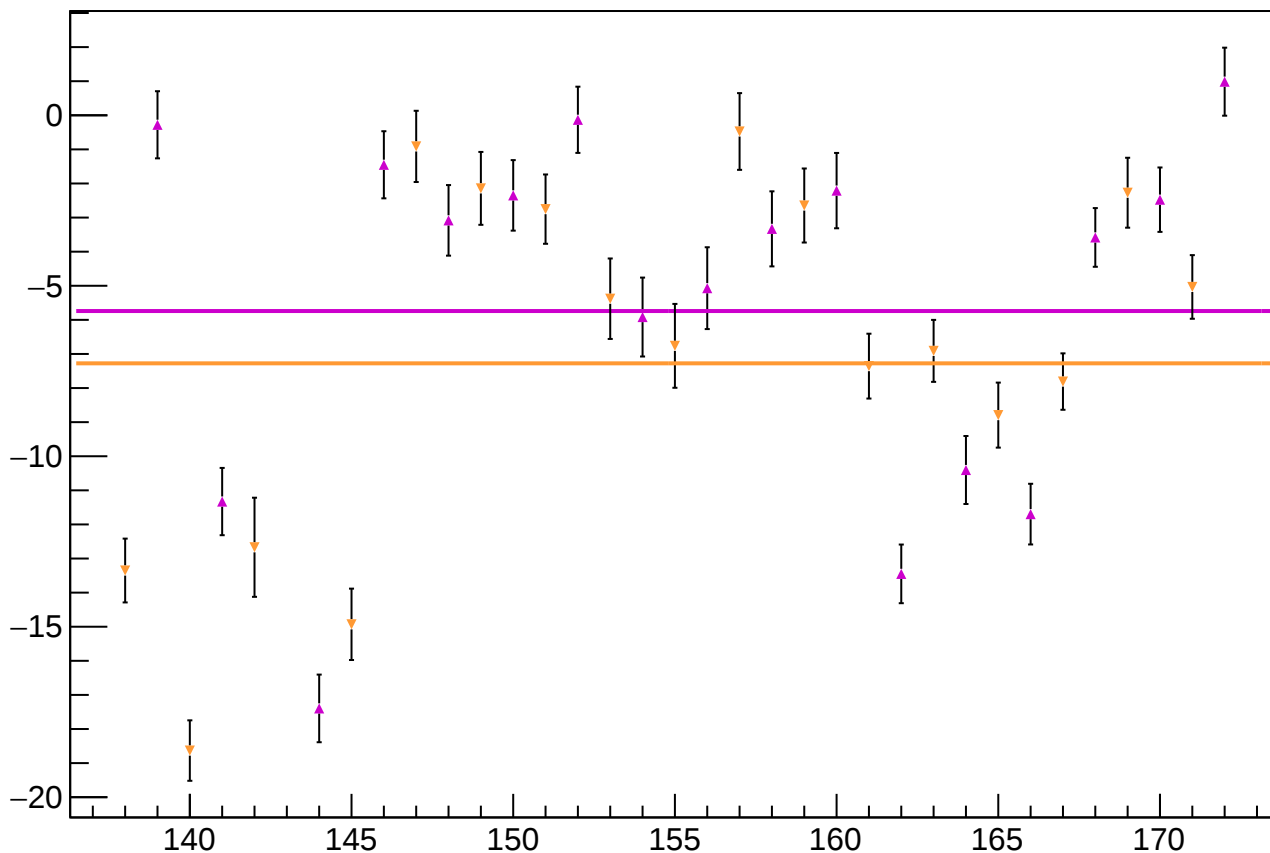
Right: -40.838 ± 0.020 χ^2/NDF : 88129.3/33

In: -40.338 ± 0.014 χ^2/NDF : 124730.3/32

Out: -40.952 ± 0.014 χ^2/NDF : 184315.8/34

All: -40.637 ± 0.010 χ^2/NDF : 309992.3/67

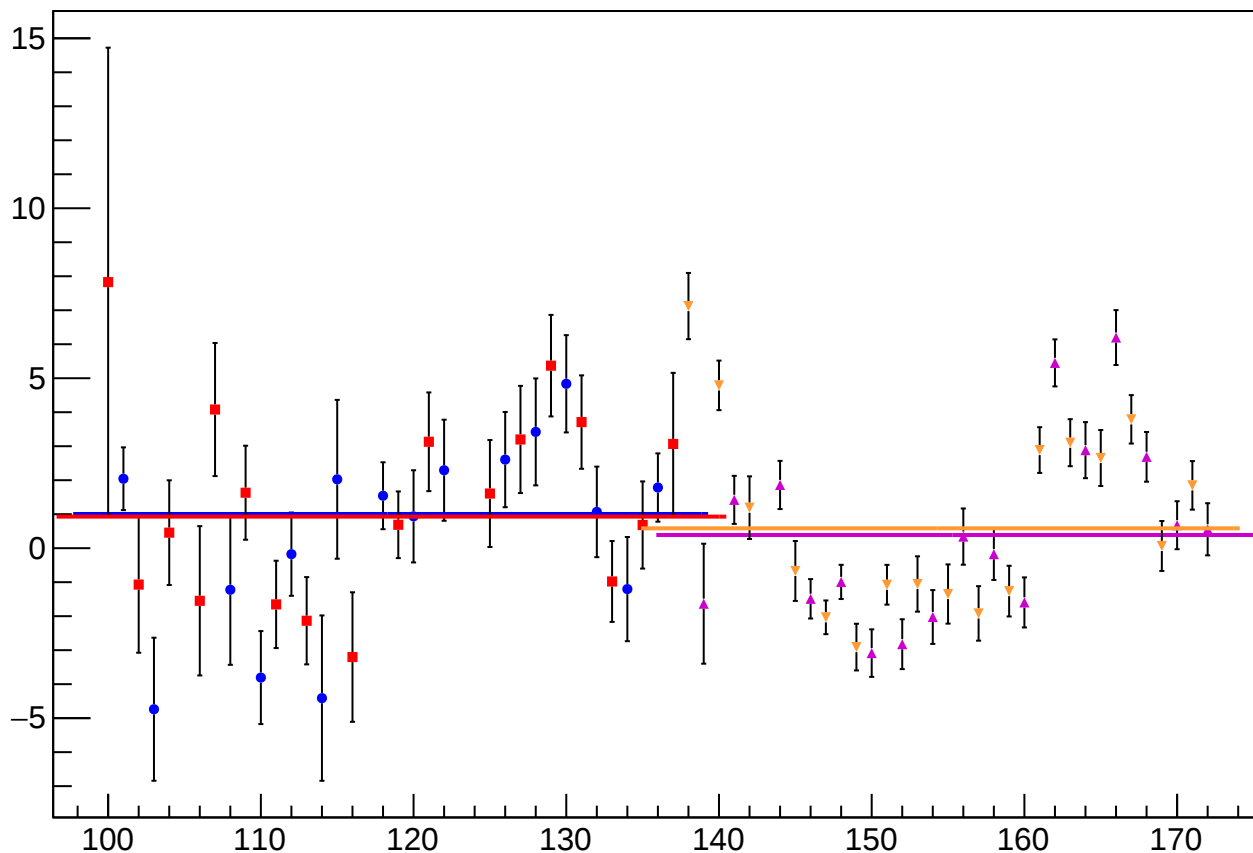
reg_asym_us_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.275+/-0.246 χ^2/NDF :443.6/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -5.741+/-0.241 χ^2/NDF :496.7/16

Left: -6.493+/-0.172 χ^2/NDF : 960.1/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -5.741+/-0.241 χ^2/NDF :496.7/16
 Out: -7.275+/-0.246 χ^2/NDF :443.6/16
 All: -6.493+/-0.172 χ^2/NDF : 960.1/33

reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.006 ± 0.342 $\chi^2/\text{NDF}: 42.7/15$

Left Out: 0.584 ± 0.176 $\chi^2/\text{NDF}: 222.6/16$

Right Out: 0.929 ± 0.353 $\chi^2/\text{NDF}: 41.9/17$

Left In: 0.388 ± 0.176 $\chi^2/\text{NDF}: 211.4/16$

Left: 0.486 ± 0.124 $\chi^2/\text{NDF}: 434.6/33$

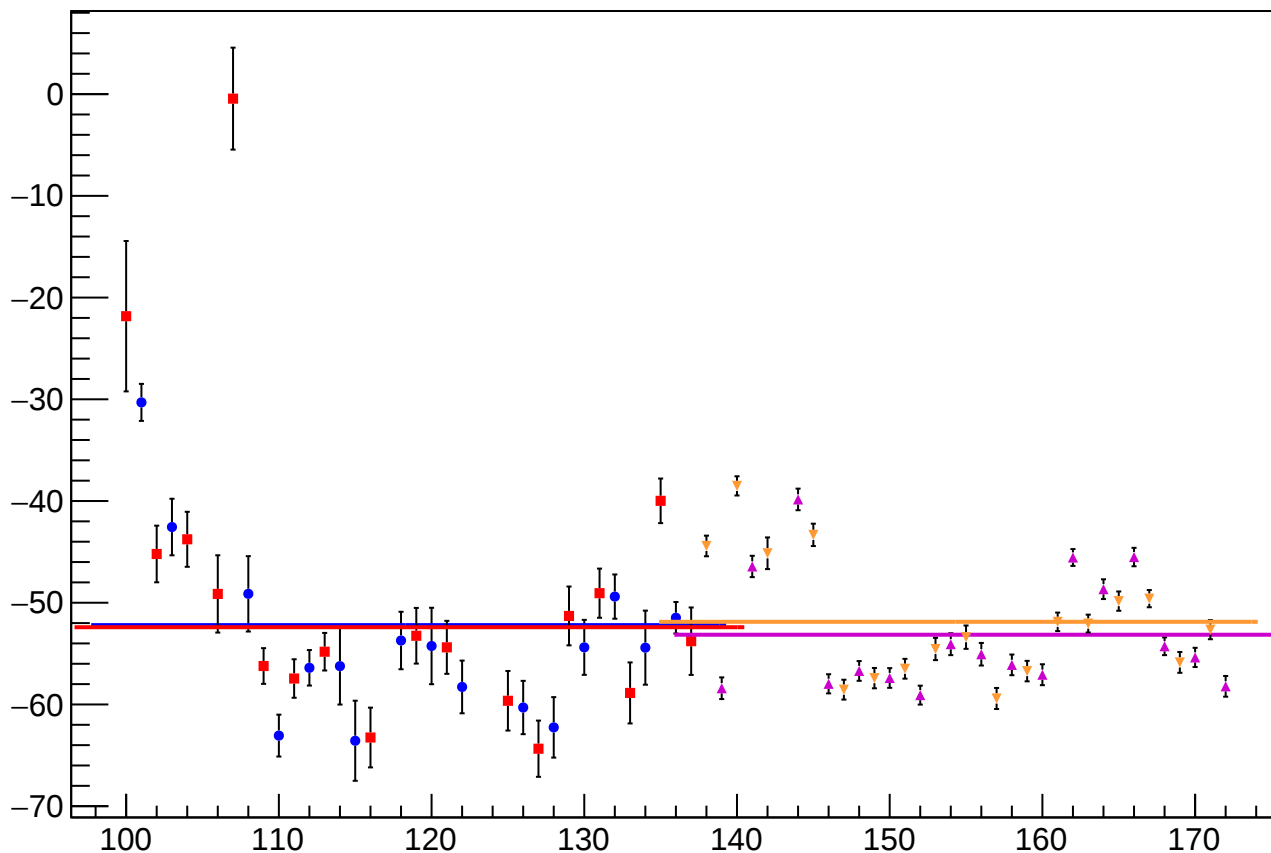
Right: 0.969 ± 0.246 $\chi^2/\text{NDF}: 84.6/33$

In: 0.517 ± 0.156 $\chi^2/\text{NDF}: 256.7/32$

Out: 0.653 ± 0.158 $\chi^2/\text{NDF}: 265.2/34$

All: 0.585 ± 0.111 $\chi^2/\text{NDF}: 522.3/67$

reg_asym_us_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -52.200 ± 0.615 $\chi^2/\text{NDF}: 230.6/15$

Left Out: -51.873 ± 0.242 $\chi^2/\text{NDF}: 544.9/16$

Right Out: -52.407 ± 0.616 $\chi^2/\text{NDF}: 233.9/17$

Left In: -53.146 ± 0.237 $\chi^2/\text{NDF}: 557.5/16$

Left: -52.523 ± 0.169 $\chi^2/\text{NDF}: 1116.5/33$

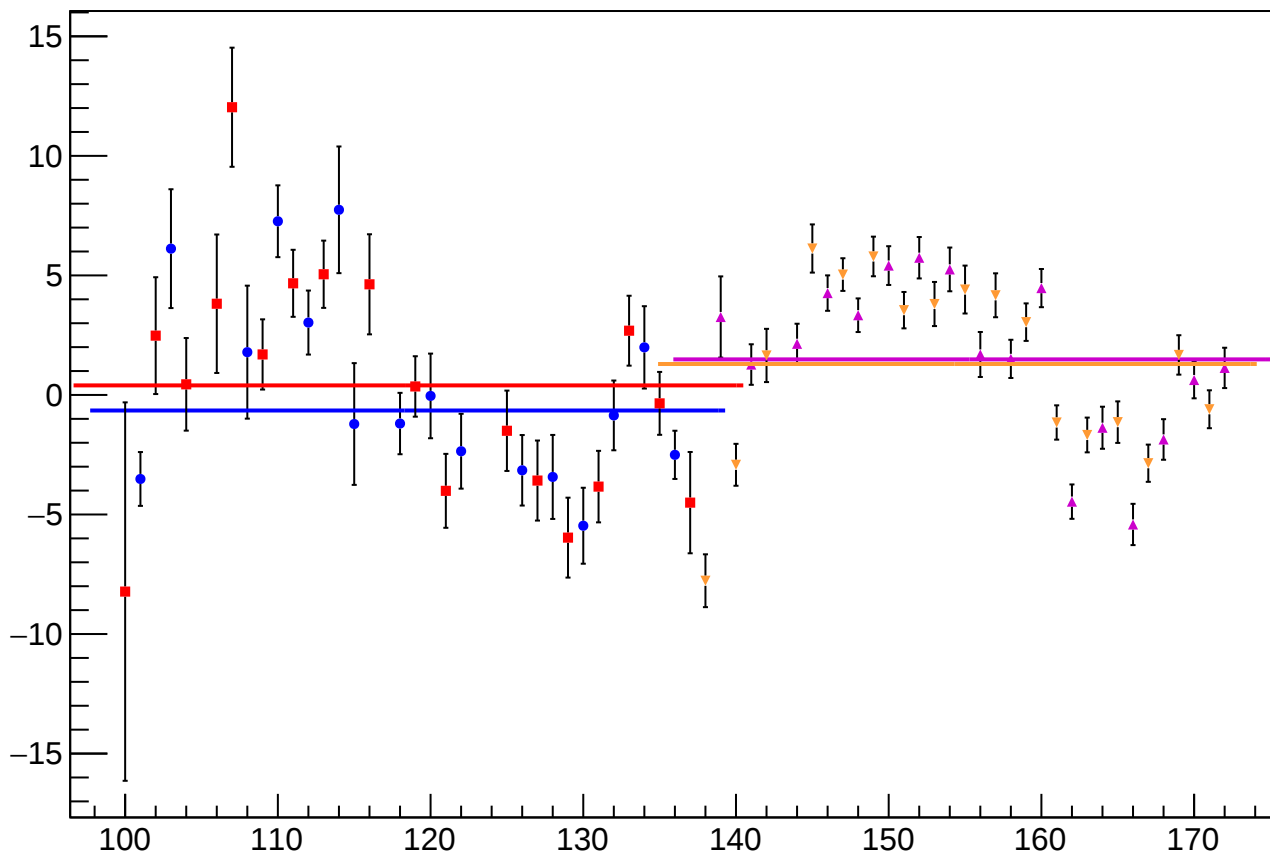
Right: -52.303 ± 0.435 $\chi^2/\text{NDF}: 464.6/33$

In: -53.024 ± 0.221 $\chi^2/\text{NDF}: 790.2/32$

Out: -51.945 ± 0.225 $\chi^2/\text{NDF}: 779.4/34$

All: -52.494 ± 0.158 $\chi^2/\text{NDF}: 1581.3/67$

reg_asym_us_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.651 ± 0.387 χ^2/NDF : 81.9/15

Left Out: 1.294 ± 0.204 χ^2/NDF : 284.0/16

Right Out: 0.400 ± 0.399 χ^2/NDF : 95.9/17

Left In: 1.488 ± 0.203 χ^2/NDF : 261.1/16

Left: 1.392 ± 0.144 χ^2/NDF : 545.6/33

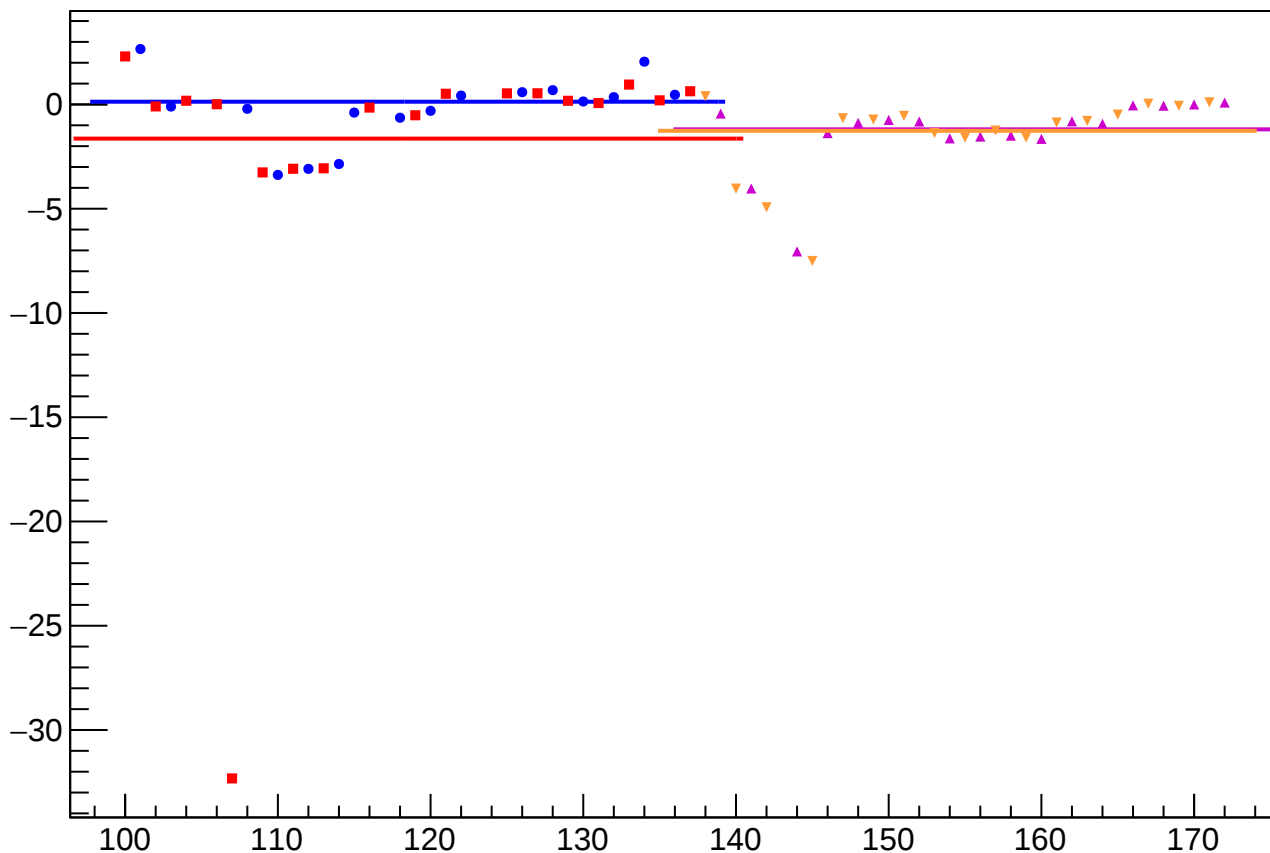
Right: -0.142 ± 0.278 χ^2/NDF : 181.4/33

In: 1.028 ± 0.179 χ^2/NDF : 367.0/32

Out: 1.110 ± 0.181 χ^2/NDF : 383.9/34

All: 1.068 ± 0.128 χ^2/NDF : 751.0/67

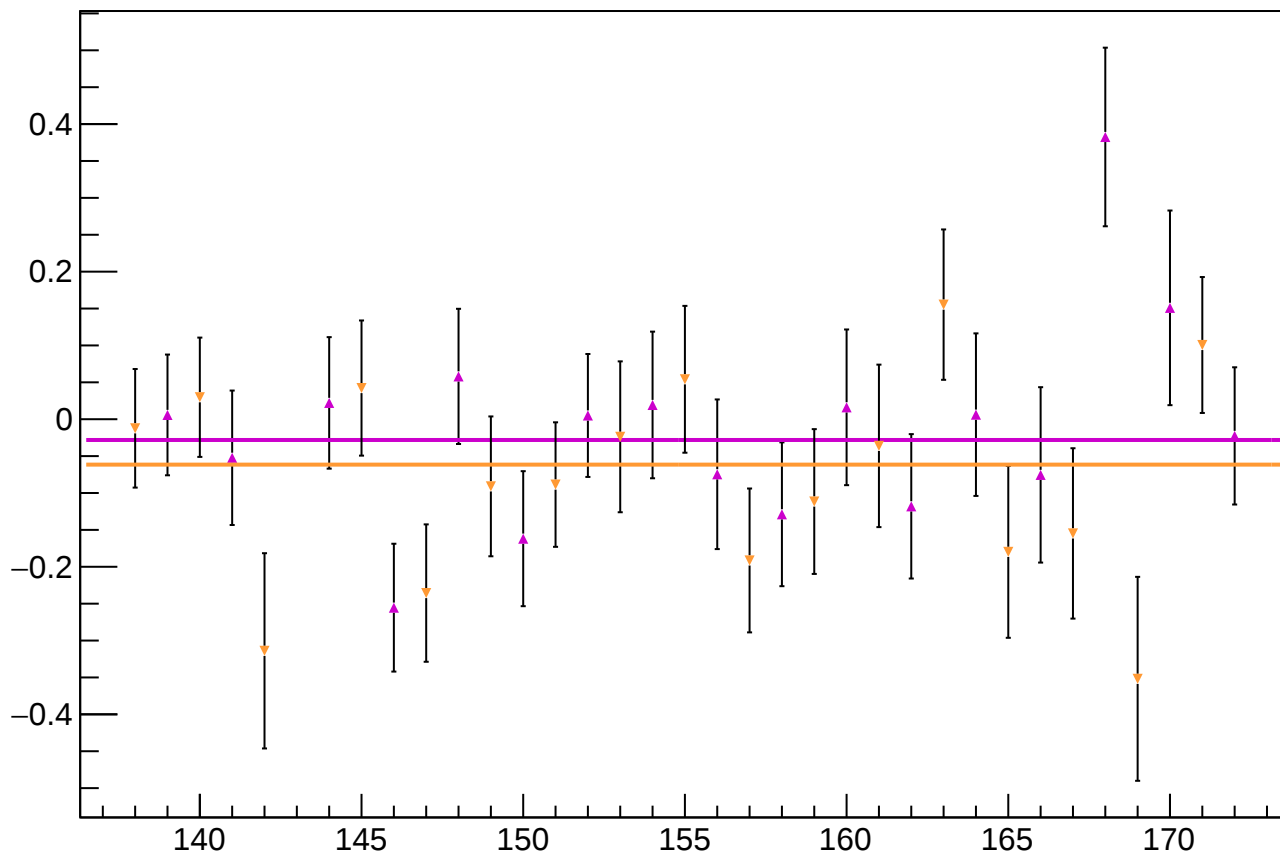
reg_asym_us_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.132 ± 0.022 $\chi^2/\text{NDF}: 5247.5/15$
 Left Out: -1.264 ± 0.009 $\chi^2/\text{NDF}: 36289.5/16$
 Right Out: -1.638 ± 0.022 $\chi^2/\text{NDF}: 77848.3/17$
 Left In: -1.194 ± 0.009 $\chi^2/\text{NDF}: 26242.0/16$

Left: -1.228 ± 0.007 $\chi^2/\text{NDF}: 62559.9/33$
 Right: -0.742 ± 0.015 $\chi^2/\text{NDF}: 86422.1/33$
 In: -0.988 ± 0.008 $\chi^2/\text{NDF}: 34683.4/32$
 Out: -1.322 ± 0.009 $\chi^2/\text{NDF}: 114385.5/34$
 All: -1.152 ± 0.006 $\chi^2/\text{NDF}: 149829.3/67$

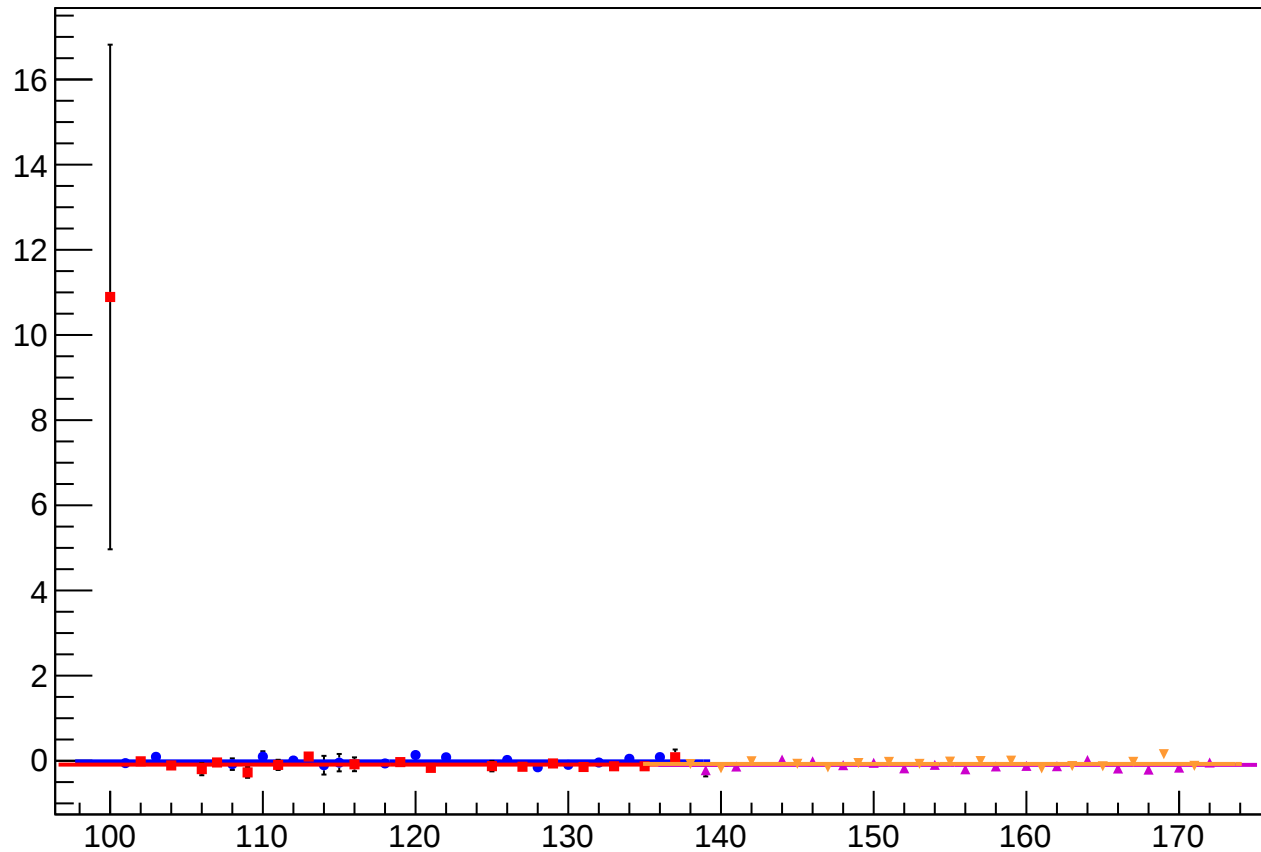
reg_asym_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.062 $\pm$ 0.024 χ^2 /NDF:27.6/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.028 $\pm$ 0.024 χ^2 /NDF:26.8/16

Left: -0.045 $\pm$ 0.017 χ^2 /NDF: 55.3/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.028 $\pm$ 0.024 χ^2 /NDF:26.8/16
 Out: -0.062 $\pm$ 0.024 χ^2 /NDF:27.6/16
 All: -0.045 $\pm$ 0.017 χ^2 /NDF: 55.3/33

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: -0.074+/-0.017 χ^2/NDF : 18.8/16

Right Out: -0.089+/-0.025 χ^2/NDF : 13.0/17

Left In: -0.096+/-0.017 χ^2/NDF : 17.0/16

Left: -0.085+/-0.012 χ^2/NDF : 36.6/33

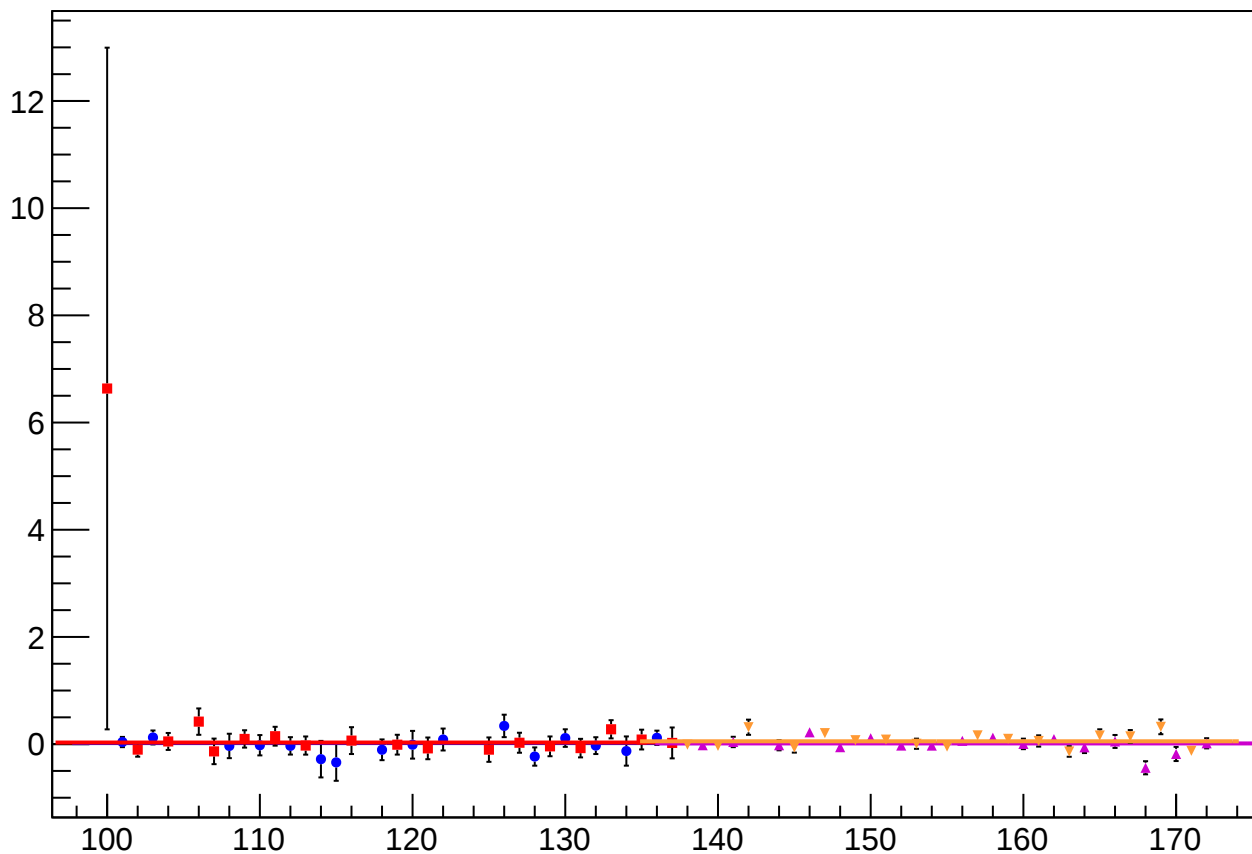
Right: -0.049+/-0.017 χ^2/NDF : 29.6/33

In: -0.068+/-0.014 χ^2/NDF : 36.9/32

Out: -0.078+/-0.014 χ^2/NDF : 32.0/34

All: -0.073+/-0.010 χ^2/NDF : 69.1/67

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.020 $\pm$ 0.043 χ^2 /NDF: 9.1/15

Left Out: 0.053 $\pm$ 0.023 χ^2 /NDF:25.5/16

Right Out: 0.030 $\pm$ 0.045 χ^2 /NDF: 9.2/17

Left In: 0.013 $\pm$ 0.023 χ^2 /NDF:27.9/16

Left: 0.033 $\pm$ 0.016 χ^2 /NDF: 54.9/33

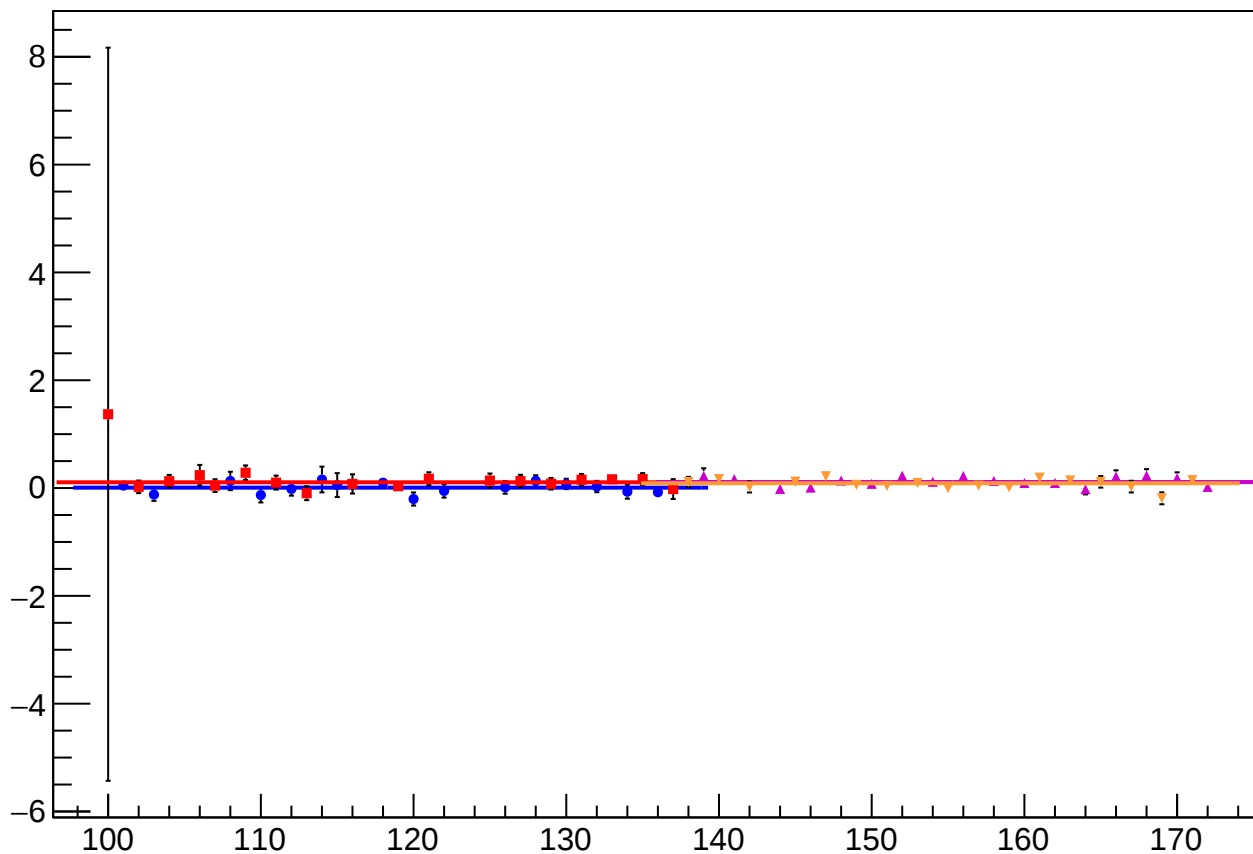
Right: 0.025 $\pm$ 0.031 χ^2 /NDF: 18.3/33

In: 0.015 $\pm$ 0.020 χ^2 /NDF:37.0/32

Out: 0.048 $\pm$ 0.021 χ^2 /NDF:34.9/34

All: 0.031 $\pm$ 0.015 χ^2 /NDF: 73.3/67

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.007 $\pm$ 0.027 χ^2 /NDF: 11.3/15

Left Out: 0.089 $\pm$ 0.020 χ^2 /NDF:18.8/16

Right Out: 0.107 $\pm$ 0.029 χ^2 /NDF: 8.2/17

Left In: 0.112 $\pm$ 0.020 χ^2 /NDF:16.8/16

Left: 0.100 $\pm$ 0.014 χ^2 /NDF: 36.3/33

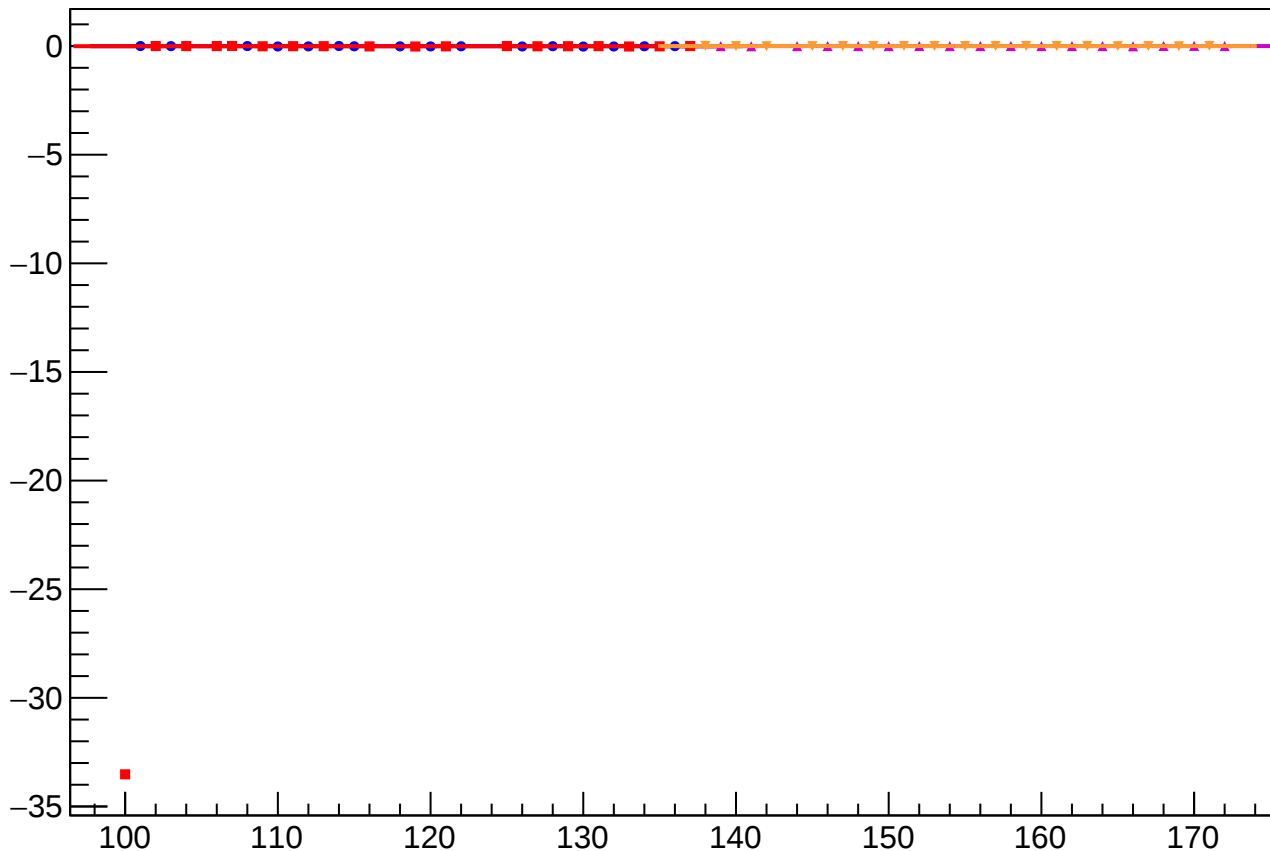
Right: 0.054 $\pm$ 0.020 χ^2 /NDF: 25.8/33

In: 0.076 $\pm$ 0.016 χ^2 /NDF:37.8/32

Out: 0.095 $\pm$ 0.016 χ^2 /NDF:27.3/34

All: 0.085 $\pm$ 0.011 χ^2 /NDF: 65.8/67

reg_asym_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.005 ± 0.001 χ^2/NDF : 21.8/15

Left Out: 0.001 ± 0.001 χ^2/NDF : 17.4/16

Right Out: -0.006 ± 0.001 χ^2/NDF : 26508.7/17

Left In: 0.000 ± 0.001 χ^2/NDF : 15.0/16

Left: 0.001 ± 0.001 χ^2/NDF : 32.7/33

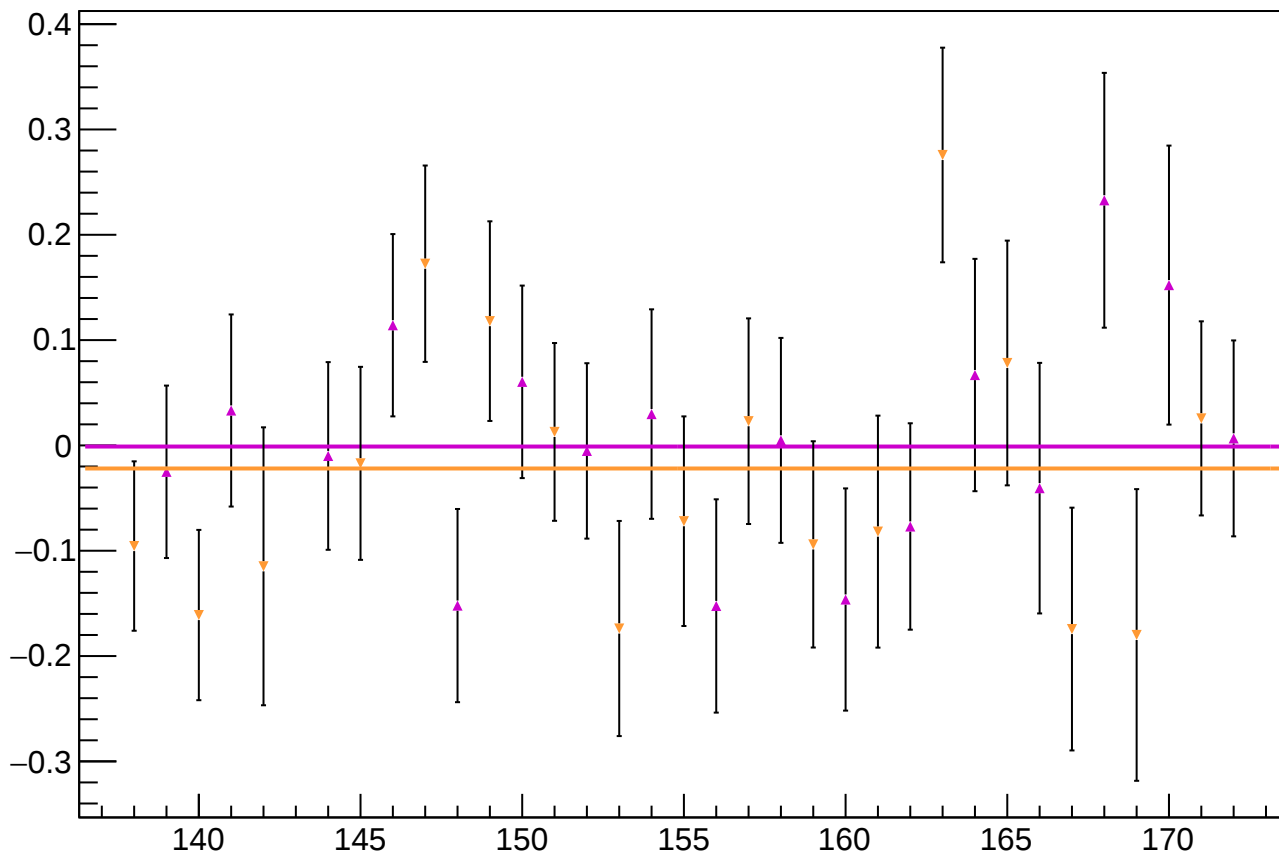
Right: -0.006 ± 0.001 χ^2/NDF : 26530.6/33

In: -0.001 ± 0.001 χ^2/NDF : 48.4/32

Out: -0.001 ± 0.001 χ^2/NDF : 26542.8/34

All: -0.001 ± 0.001 χ^2/NDF : 26591.3/67

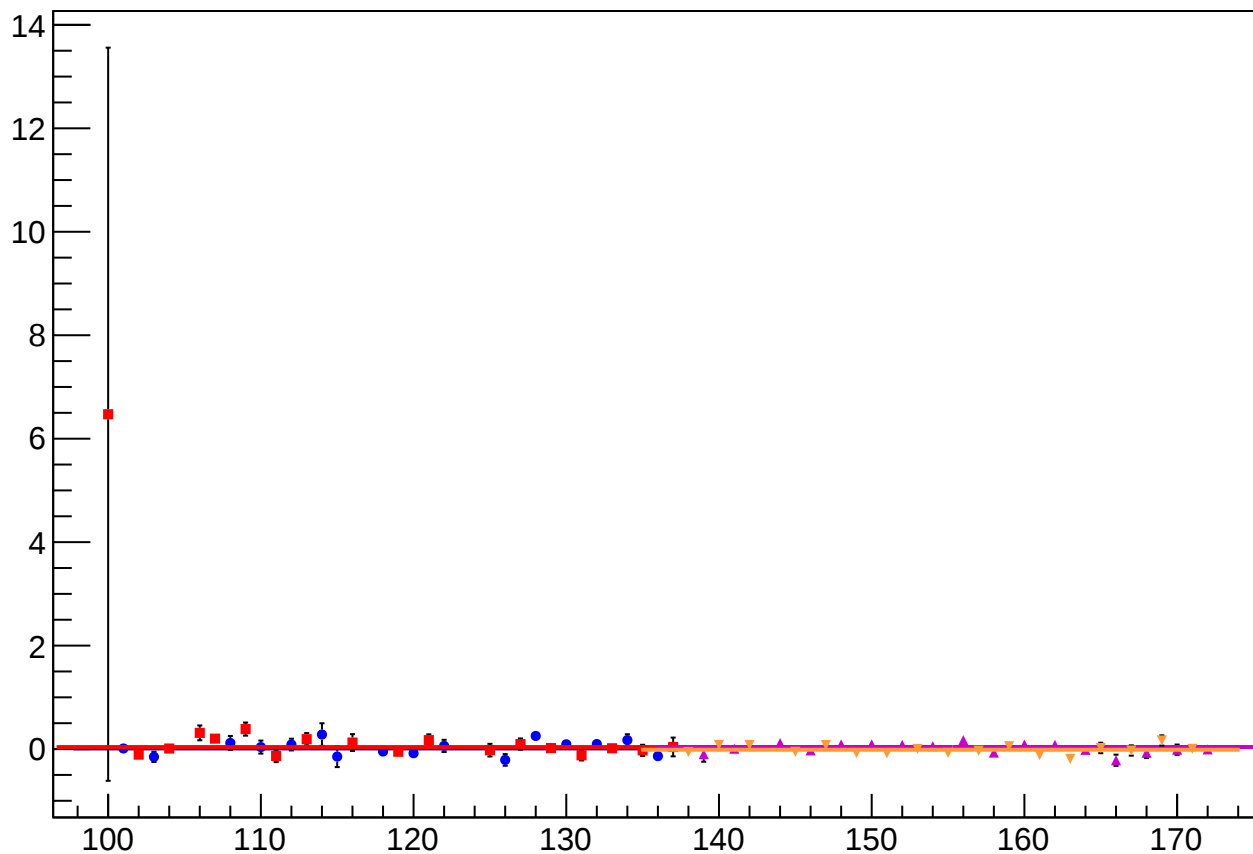
reg_asym_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.022 $\pm$ 0.024 χ^2 /NDF:27.1/16
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.001 $\pm$ 0.024 χ^2 /NDF:15.6/16

Left: -0.011 $\pm$ 0.017 χ^2 /NDF: 43.1/33
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -0.001 $\pm$ 0.024 χ^2 /NDF:15.6/16
 Out: -0.022 $\pm$ 0.024 χ^2 /NDF:27.1/16
 All: -0.011 $\pm$ 0.017 χ^2 /NDF: 43.1/33

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.012 $\pm$ 0.023 χ^2 /NDF: 25.0/15

Left Out: -0.013 $\pm$ 0.017 χ^2 /NDF:23.0/16

Right Out: 0.038 $\pm$ 0.025 χ^2 /NDF: 28.4/17

Left In: 0.040 $\pm$ 0.017 χ^2 /NDF:21.5/16

Left: 0.013 $\pm$ 0.012 χ^2 /NDF: 49.4/33

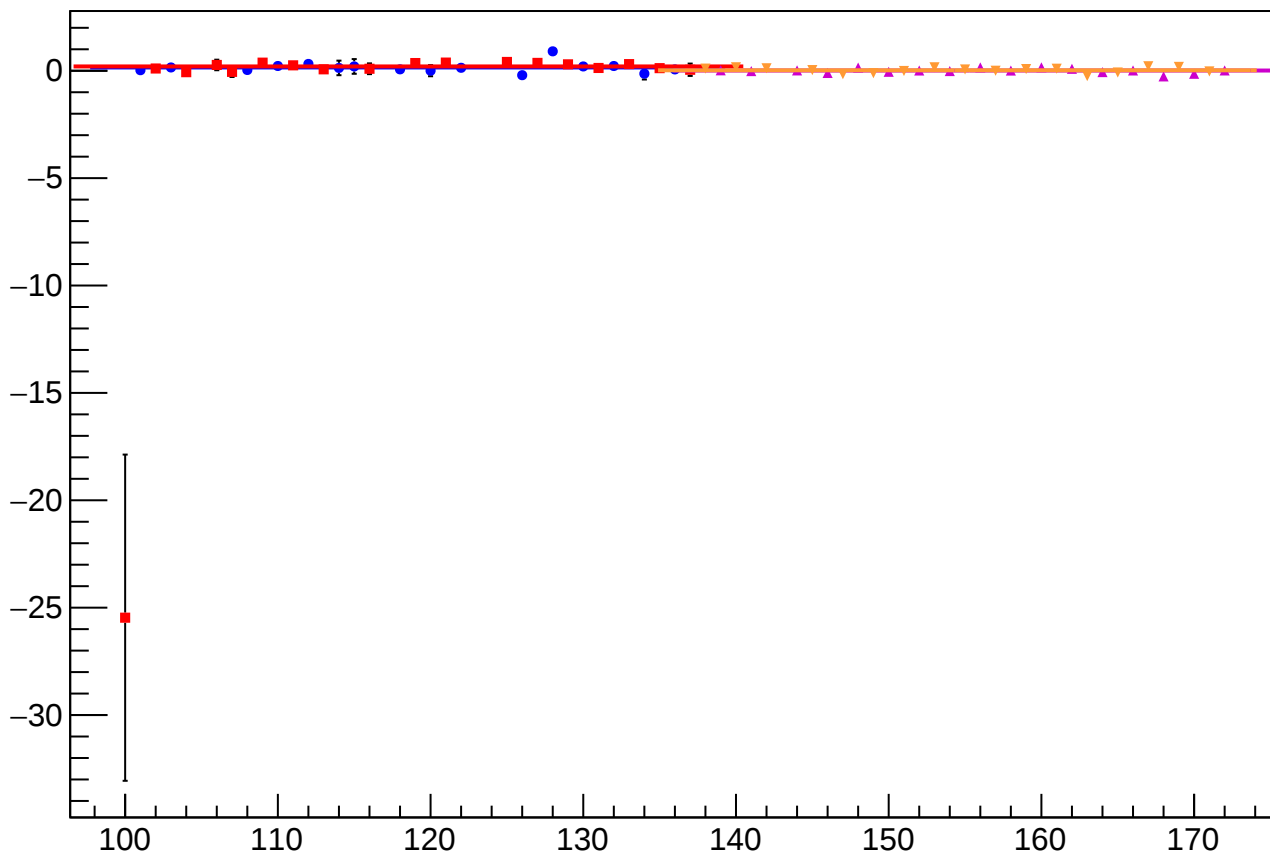
Right: 0.025 $\pm$ 0.017 χ^2 /NDF: 54.0/33

In: 0.030 $\pm$ 0.014 χ^2 /NDF:47.4/32

Out: 0.003 $\pm$ 0.014 χ^2 /NDF:54.4/34

All: 0.017 $\pm$ 0.010 χ^2 /NDF: 103.7/67

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.154 $\pm$ 0.043 χ^2 /NDF: 27.9/15

Left Out: 0.022 $\pm$ 0.023 χ^2 /NDF:26.6/16

Right Out: 0.201 $\pm$ 0.045 χ^2 /NDF: 22.6/17

Left In: 0.011 $\pm$ 0.023 χ^2 /NDF:17.2/16

Left: 0.016 $\pm$ 0.016 χ^2 /NDF: 43.9/33

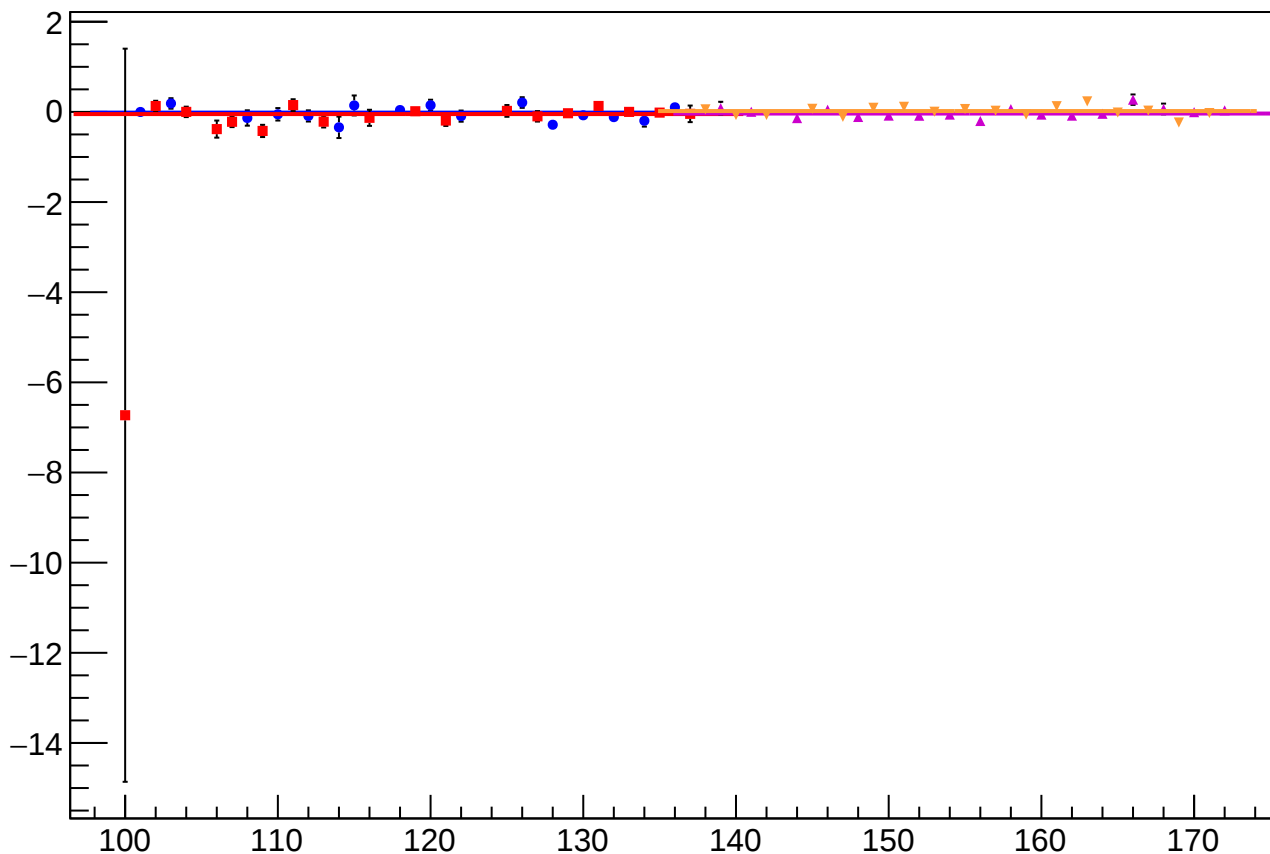
Right: 0.177 $\pm$ 0.031 χ^2 /NDF: 51.1/33

In: 0.043 $\pm$ 0.020 χ^2 /NDF:53.8/32

Out: 0.060 $\pm$ 0.021 χ^2 /NDF:61.7/34

All: 0.051 $\pm$ 0.015 χ^2 /NDF: 115.8/67

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.016 $\pm$ 0.027 χ^2 /NDF: 24.3/15

Left Out: 0.018 $\pm$ 0.020 χ^2 /NDF:26.0/16

Right Out: -0.048 $\pm$ 0.029 χ^2 /NDF: 25.9/17

Left In: -0.036 $\pm$ 0.020 χ^2 /NDF:22.2/16

Left: -0.009 $\pm$ 0.014 χ^2 /NDF: 52.1/33

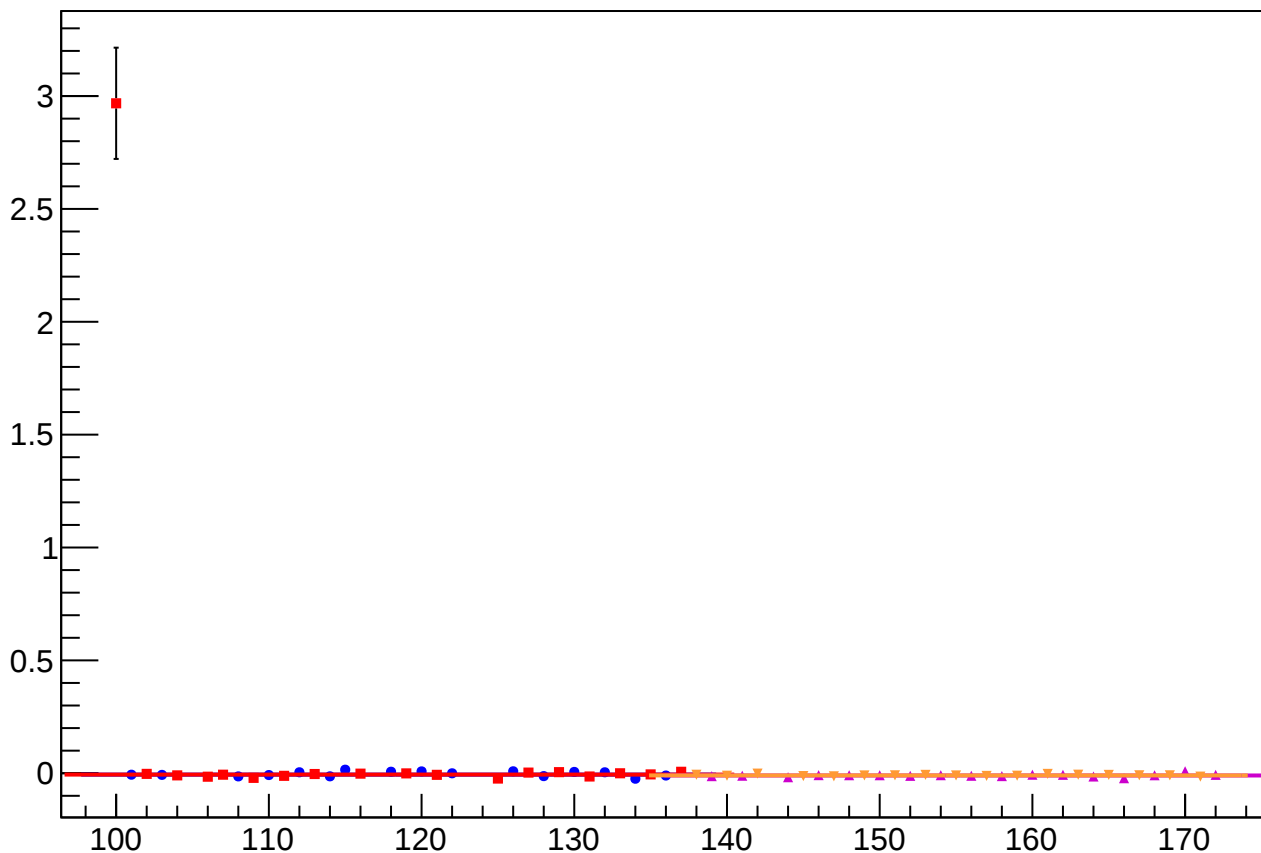
Right: -0.031 $\pm$ 0.020 χ^2 /NDF: 51.0/33

In: -0.029 $\pm$ 0.016 χ^2 /NDF:47.0/32

Out: -0.003 $\pm$ 0.016 χ^2 /NDF:55.6/34

All: -0.016 $\pm$ 0.011 χ^2 /NDF: 103.9/67

reg_asym_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.006 ± 0.001 χ^2/NDF : 27.3/15

Left Out: -0.010 ± 0.001 χ^2/NDF : 12.2/16

Right Out: -0.006 ± 0.001 χ^2/NDF : 165.9/17

Left In: -0.010 ± 0.001 χ^2/NDF : 29.3/16

Left: -0.010 ± 0.001 χ^2/NDF : 41.6/33

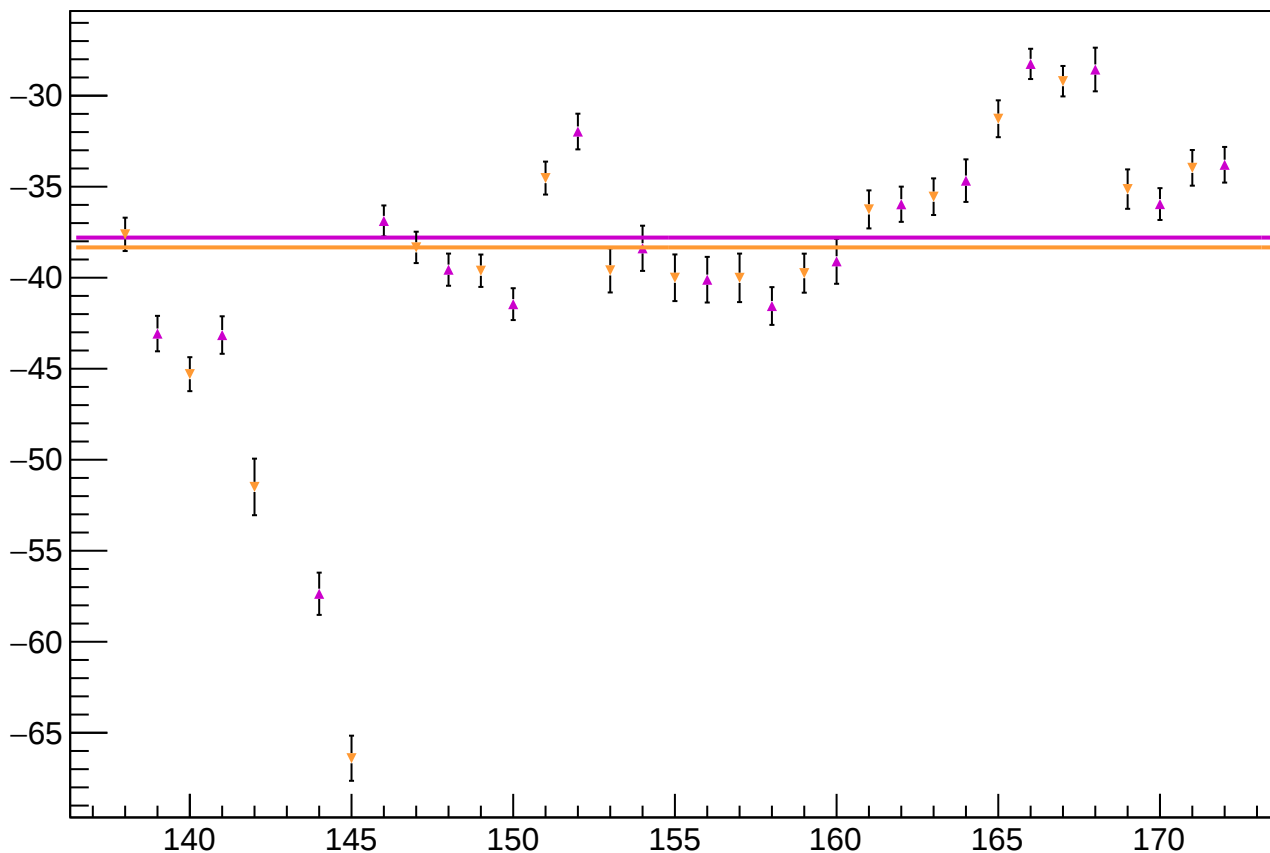
Right: -0.006 ± 0.001 χ^2/NDF : 193.3/33

In: -0.009 ± 0.001 χ^2/NDF : 61.6/32

Out: -0.009 ± 0.001 χ^2/NDF : 182.5/34

All: -0.009 ± 0.001 χ^2/NDF : 244.1/67

reg_asym_left_avg_diff_bpm1X_slope vs Slug, Sign Corrected



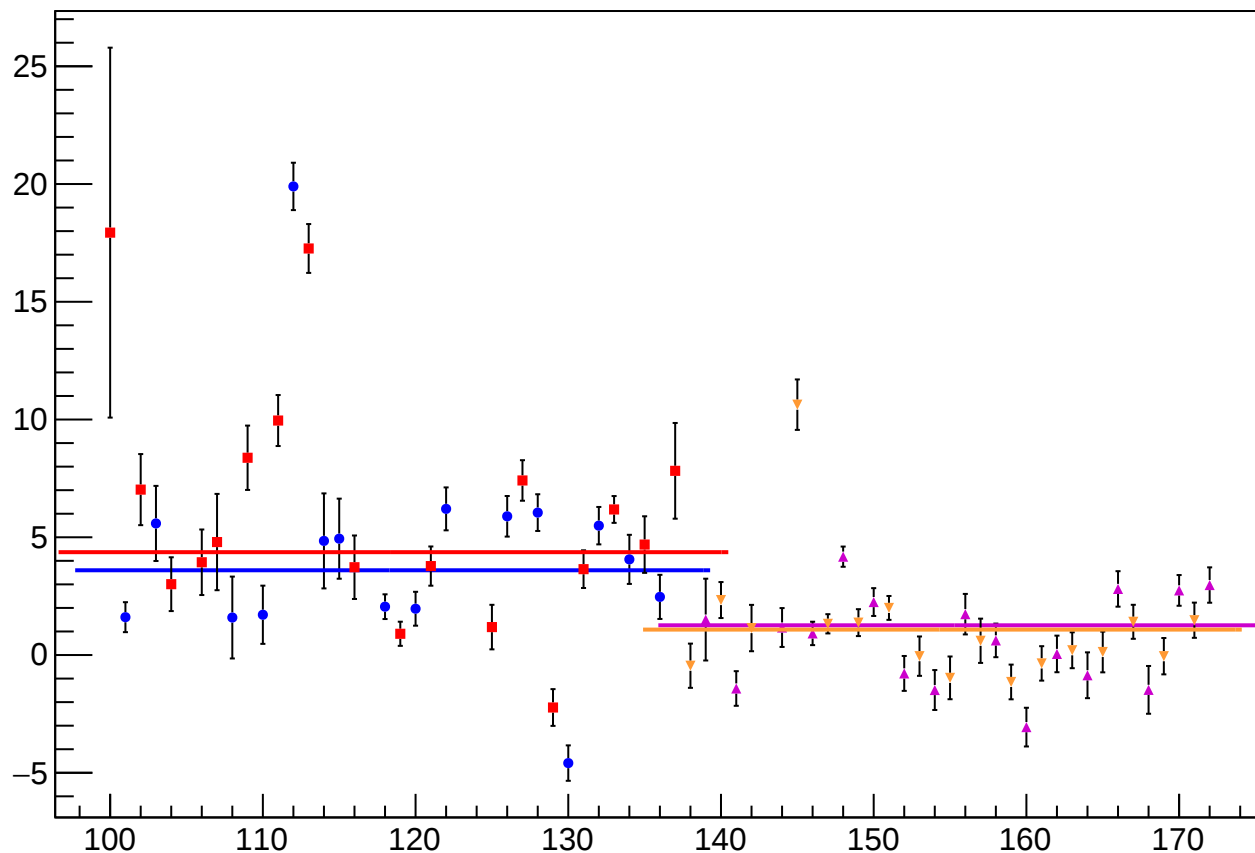
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -38.335+/-0.249 χ^2/NDF : 874.6/16
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -37.796+/-0.243 χ^2/NDF : 639.3/16

Left: -38.059+/-0.174 χ^2/NDF : 1516.3/33
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.796+/-0.243 χ^2/NDF : 639.3/16
 Out: -38.335+/-0.249 χ^2/NDF : 874.6/16

All: -38.059+/-0.174 χ^2/NDF : 1516.3/33

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: 1.080 ± 0.172 χ^2/NDF : 114.1/16

Right Out: 4.367 ± 0.225 χ^2/NDF : 353.1/17

Left In: 1.262 ± 0.173 χ^2/NDF : 138.7/16

Left: 1.171 ± 0.122 χ^2/NDF : 253.3/33

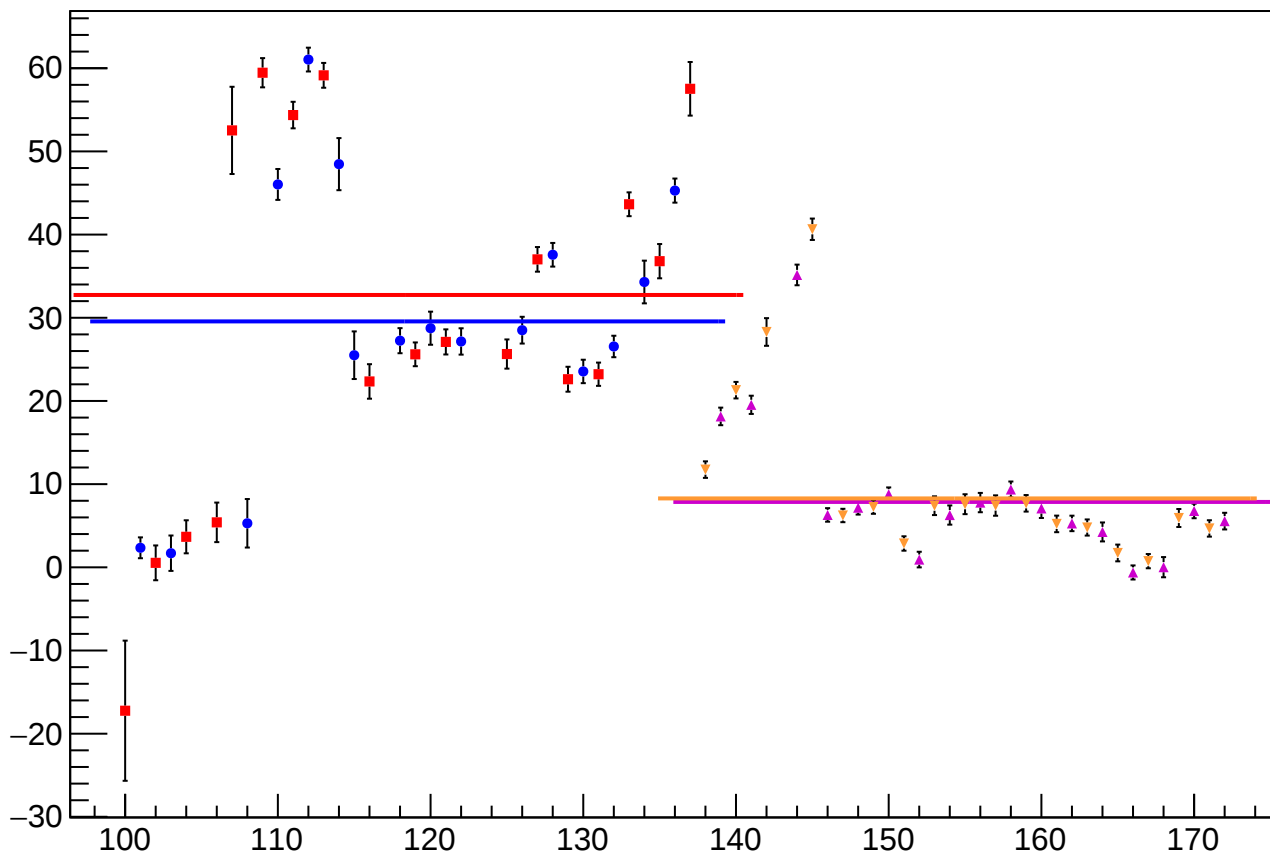
Right: 3.975 ± 0.157 χ^2/NDF : 802.5/33

In: 2.150 ± 0.136 χ^2/NDF : 651.8/32

Out: 2.298 ± 0.137 χ^2/NDF : 601.8/34

All: 2.224 ± 0.096 χ^2/NDF : 1254.2/67

reg_asym_left_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.564 $\pm$ 0.420 χ^2 /NDF: 1494.6/15

Left Out: 8.283 $\pm$ 0.244 χ^2 /NDF:1170.7/16

Right Out: 32.741 $\pm$ 0.423 χ^2 /NDF: 1663.3/17

Left In: 7.861 $\pm$ 0.238 χ^2 /NDF:923.3/16

Left: 8.067 $\pm$ 0.171 χ^2 /NDF: 2095.6/33

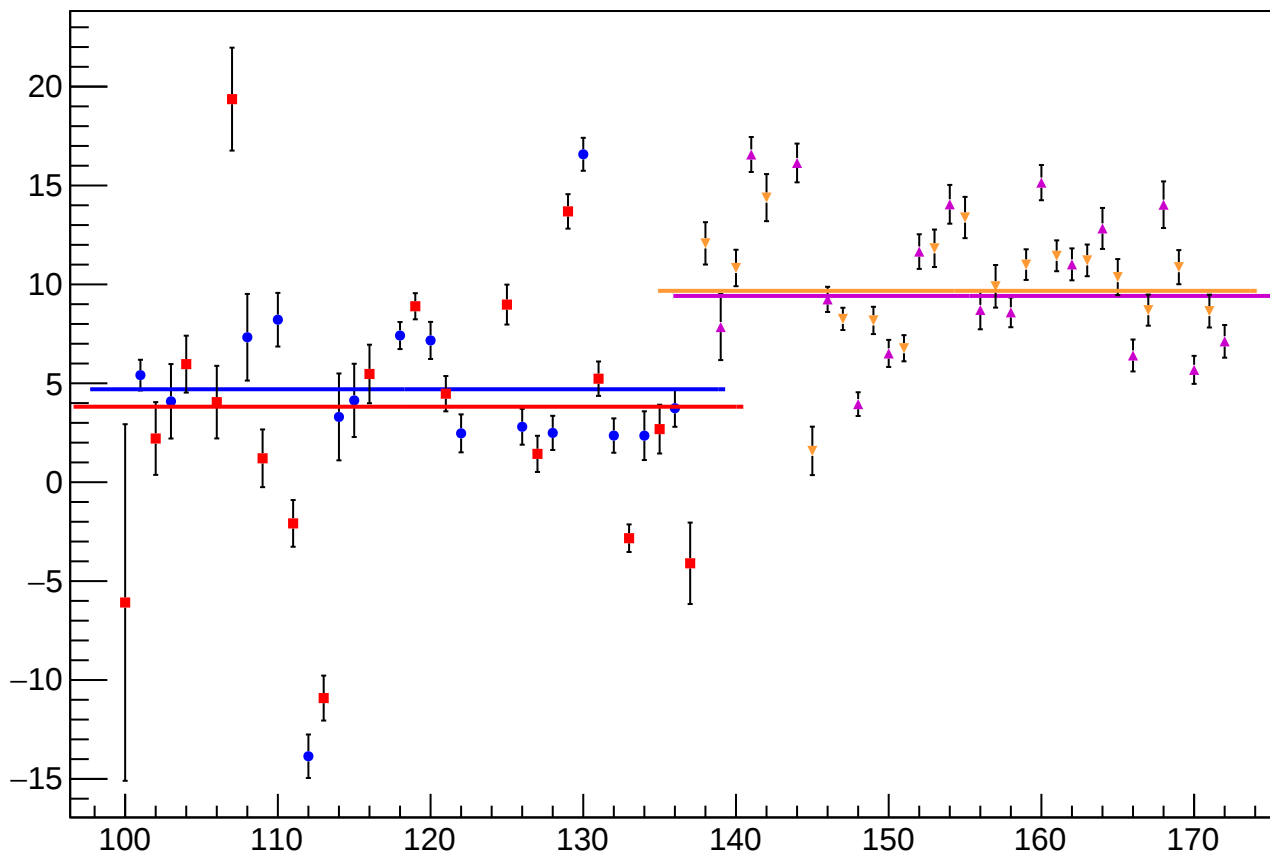
Right: 31.140 $\pm$ 0.298 χ^2 /NDF: 3186.3/33

In: 13.154 $\pm$ 0.207 χ^2 /NDF:4441.3/32

Out: 14.399 $\pm$ 0.211 χ^2 /NDF:5344.3/34

All: 13.764 $\pm$ 0.148 χ^2 /NDF: 9803.3/67

reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.699 $\pm$ 0.254 χ^2 /NDF: 548.9/15

Left Out: 9.675 $\pm$ 0.203 χ^2 /NDF:131.4/16

Right Out: 3.817 $\pm$ 0.258 χ^2 /NDF: 567.6/17

Left In: 9.417 $\pm$ 0.201 χ^2 /NDF:366.1/16

Left: 9.545 $\pm$ 0.143 χ^2 /NDF: 498.3/33

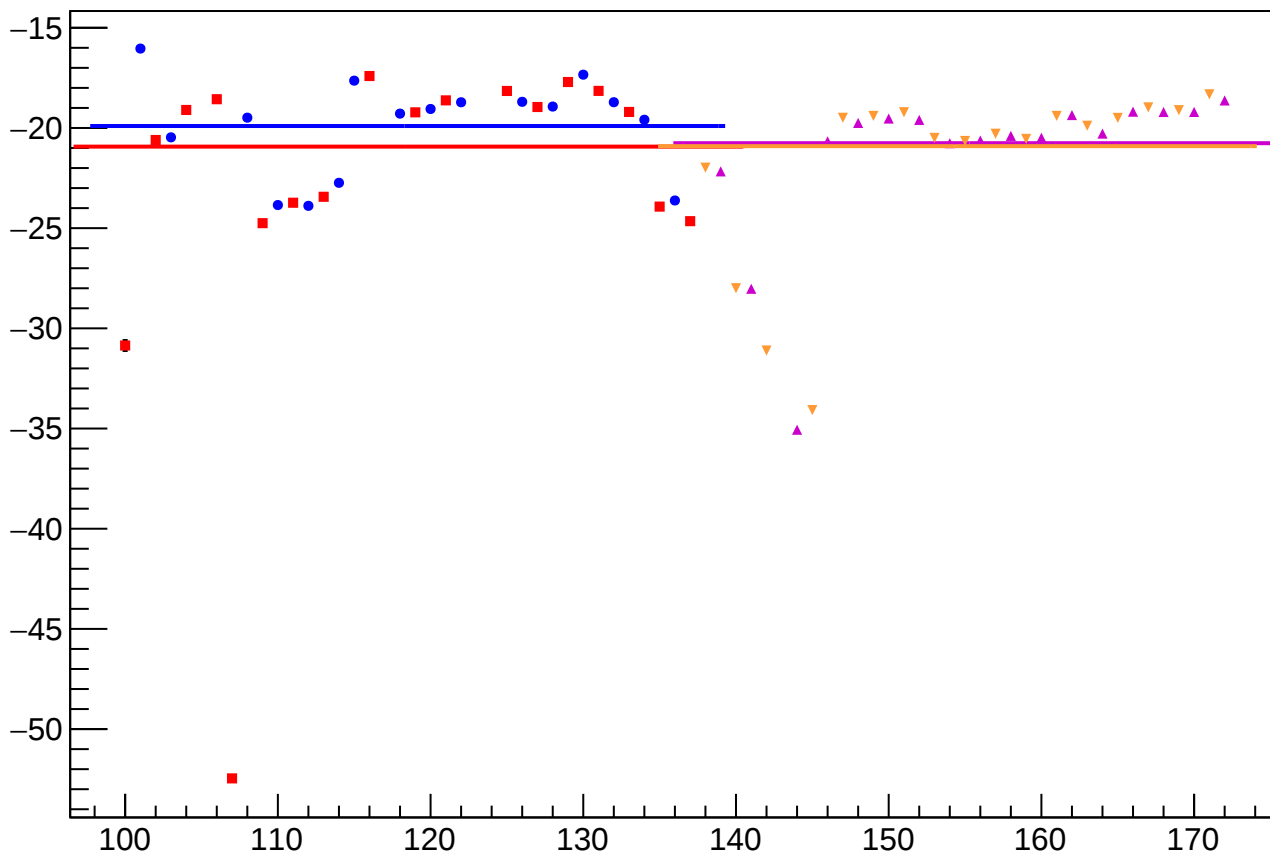
Right: 4.265 $\pm$ 0.181 χ^2 /NDF: 1122.4/33

In: 7.596 $\pm$ 0.158 χ^2 /NDF:1126.9/32

Out: 7.445 $\pm$ 0.159 χ^2 /NDF:1017.2/34

All: 7.521 $\pm$ 0.112 χ^2 /NDF: 2144.5/67

reg_asym_left_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.902 ± 0.016 $\chi^2/\text{NDF}: 26054.0/15$

Left Out: -20.907 ± 0.010 $\chi^2/\text{NDF}: 137412.5/16$

Right Out: -20.931 ± 0.016 $\chi^2/\text{NDF}: 94008.3/17$

Left In: -20.759 ± 0.009 $\chi^2/\text{NDF}: 110959.5/16$

Left: -20.831 ± 0.007 $\chi^2/\text{NDF}: 248493.3/33$

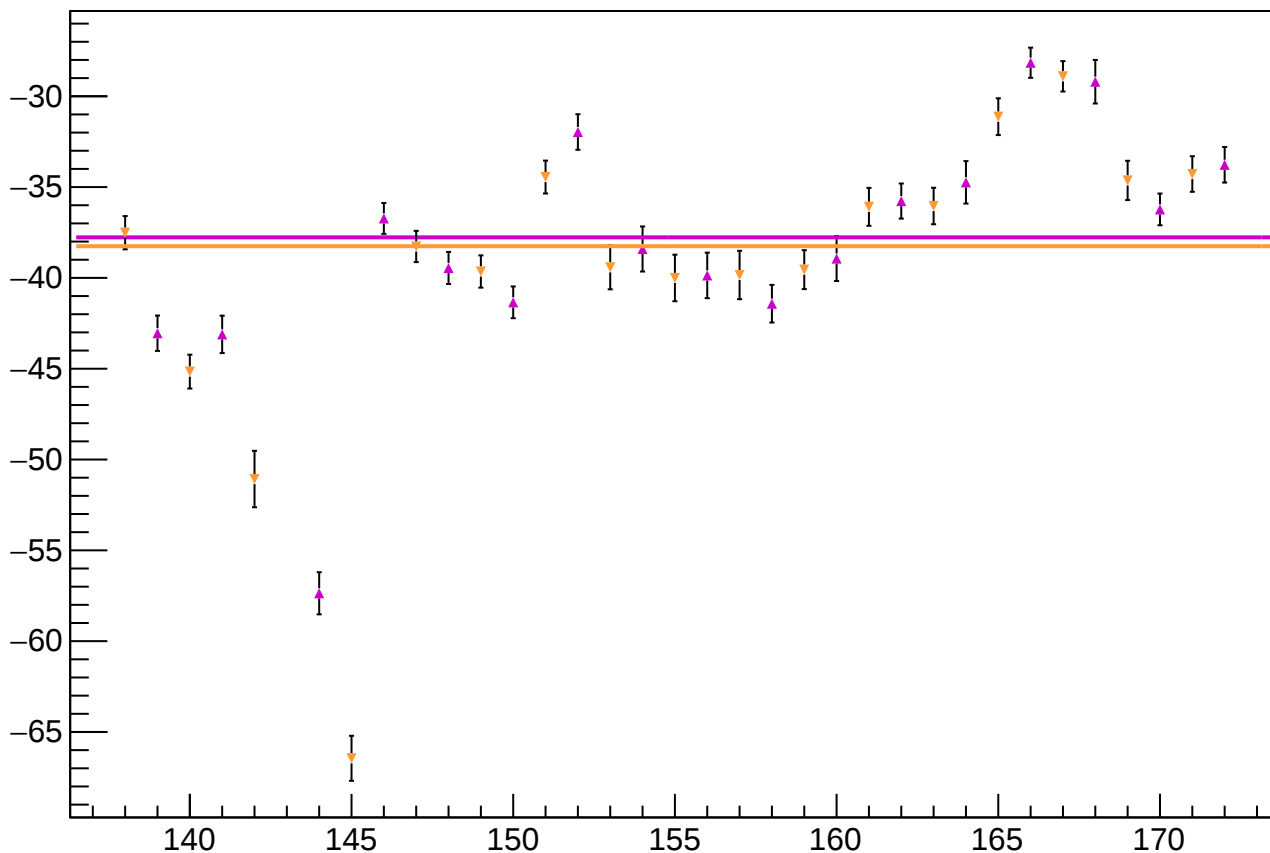
Right: -20.414 ± 0.011 $\chi^2/\text{NDF}: 122212.6/33$

In: -20.534 ± 0.008 $\chi^2/\text{NDF}: 139223.7/32$

Out: -20.914 ± 0.008 $\chi^2/\text{NDF}: 231422.4/34$

All: -20.719 ± 0.006 $\chi^2/\text{NDF}: 371740.2/67$

reg_asym_left_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -38.255 $\pm$ 0.249 χ^2 /NDF:879.0/16

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

Left In: -37.768 $\pm$ 0.243 χ^2 /NDF:631.0/16

Left: -38.006 $\pm$ 0.174 χ^2 /NDF: 1512.0/33

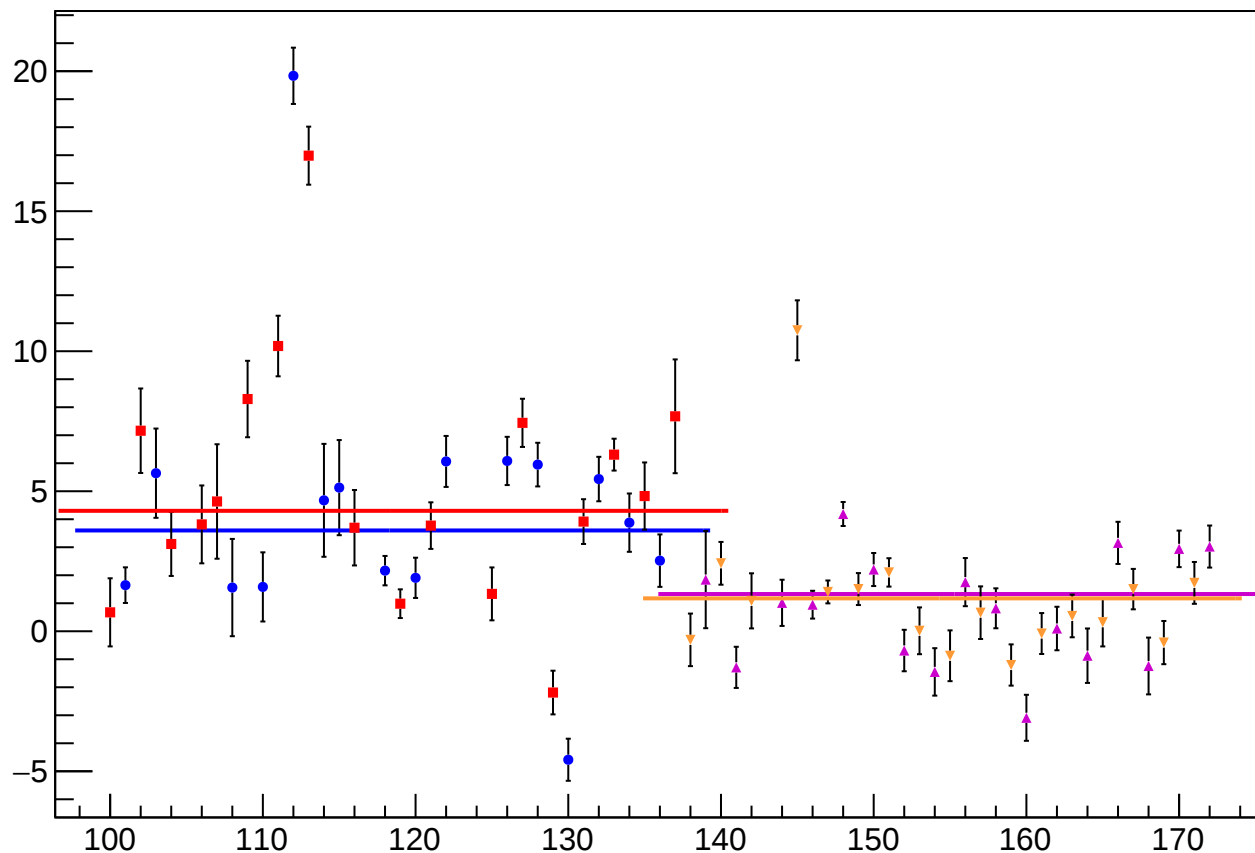
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -37.768 $\pm$ 0.243 χ^2 /NDF:631.0/16

Out: -38.255 $\pm$ 0.249 χ^2 /NDF:879.0/16

All: -38.006 $\pm$ 0.174 χ^2 /NDF: 1512.0/33

reg_asym_left_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.599 $\pm$ 0.220 χ^2 /NDF: 440.3/15

Left Out: 1.175 $\pm$ 0.172 χ^2 /NDF:116.5/16

Right Out: 4.301 $\pm$ 0.221 χ^2 /NDF: 352.1/17

Left In: 1.329 $\pm$ 0.172 χ^2 /NDF:139.2/16

Left: 1.252 $\pm$ 0.122 χ^2 /NDF: 256.1/33

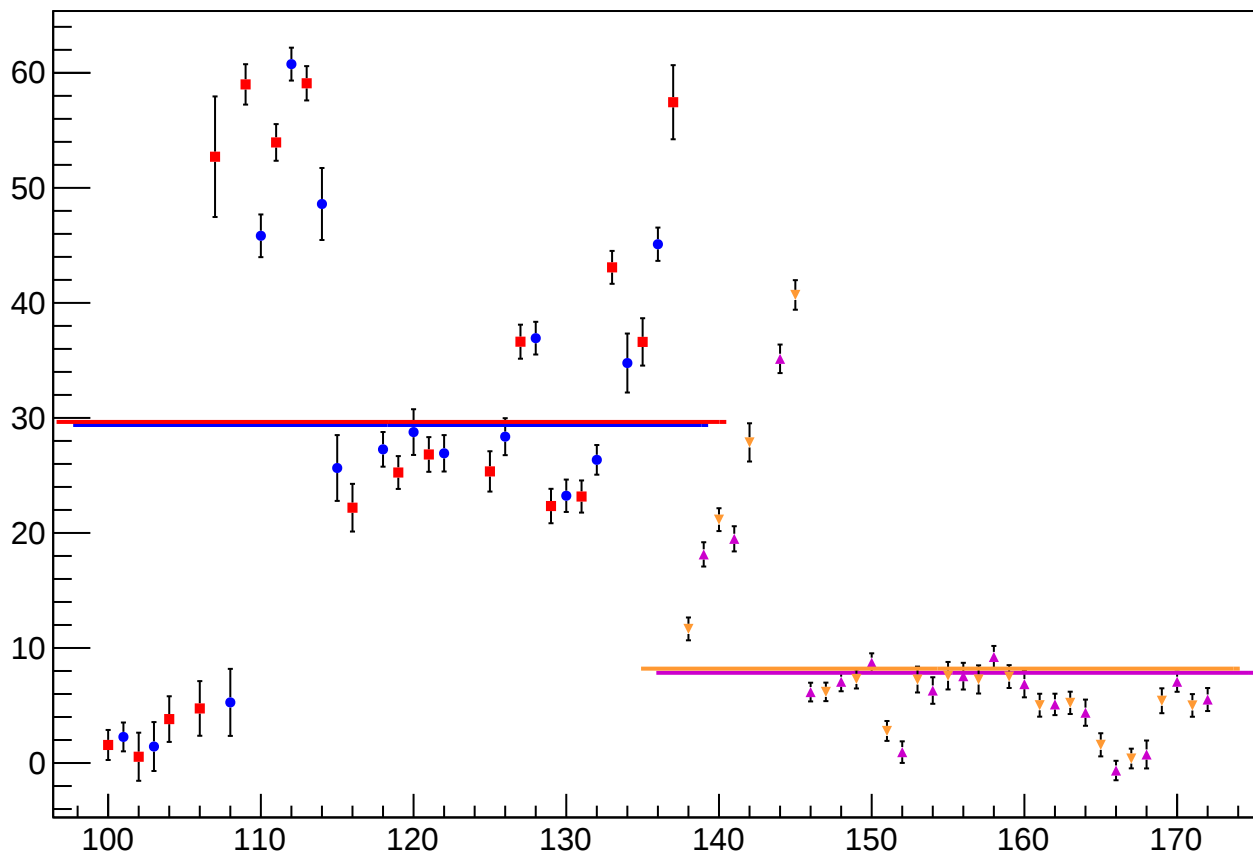
Right: 3.949 $\pm$ 0.156 χ^2 /NDF: 797.4/33

In: 2.193 $\pm$ 0.136 χ^2 /NDF:645.3/32

Out: 2.357 $\pm$ 0.136 χ^2 /NDF:593.0/34

All: 2.275 $\pm$ 0.096 χ^2 /NDF: 1239.1/67

reg_asym_left_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.387 $\pm$ 0.419 χ^2 /NDF: 1488.6/15

Left Out: 8.205 $\pm$ 0.244 χ^2 /NDF:1173.3/16

Right Out: 29.652 $\pm$ 0.402 χ^2 /NDF: 2131.0/17

Left In: 7.843 $\pm$ 0.238 χ^2 /NDF:917.1/16

Left: 8.019 $\pm$ 0.170 χ^2 /NDF: 2091.5/33

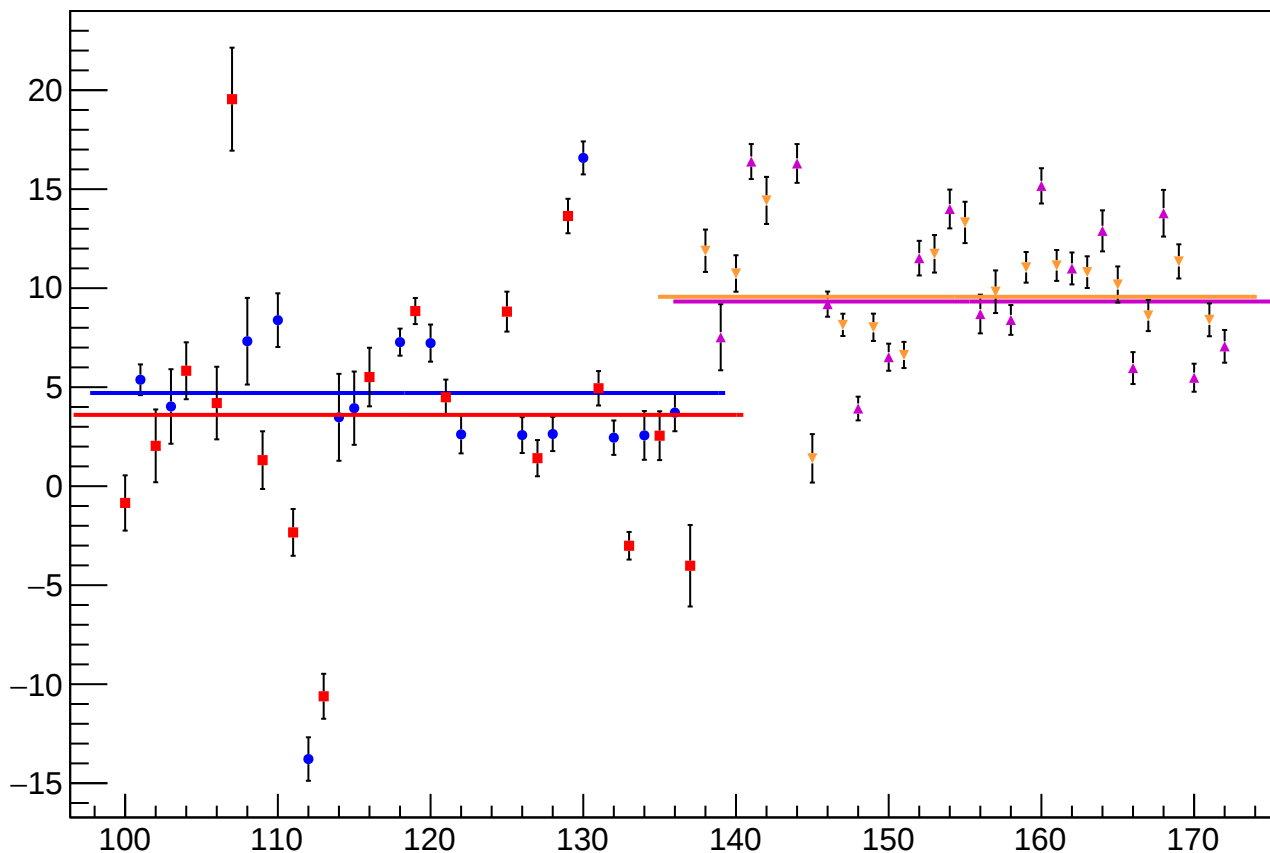
Right: 29.525 $\pm$ 0.290 χ^2 /NDF: 3619.8/33

In: 13.098 $\pm$ 0.207 χ^2 /NDF:4402.3/32

Out: 13.970 $\pm$ 0.209 χ^2 /NDF:5382.0/34

All: 13.530 $\pm$ 0.147 χ^2 /NDF: 9793.0/67

reg_asym_left_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.706 ± 0.254 χ^2/NDF : 545.2/15

Left Out: 9.565 ± 0.203 χ^2/NDF : 135.3/16

Right Out: 3.601 ± 0.254 χ^2/NDF : 573.4/17

Left In: 9.326 ± 0.201 χ^2/NDF : 373.0/16

Left: 9.445 ± 0.143 χ^2/NDF : 509.0/33

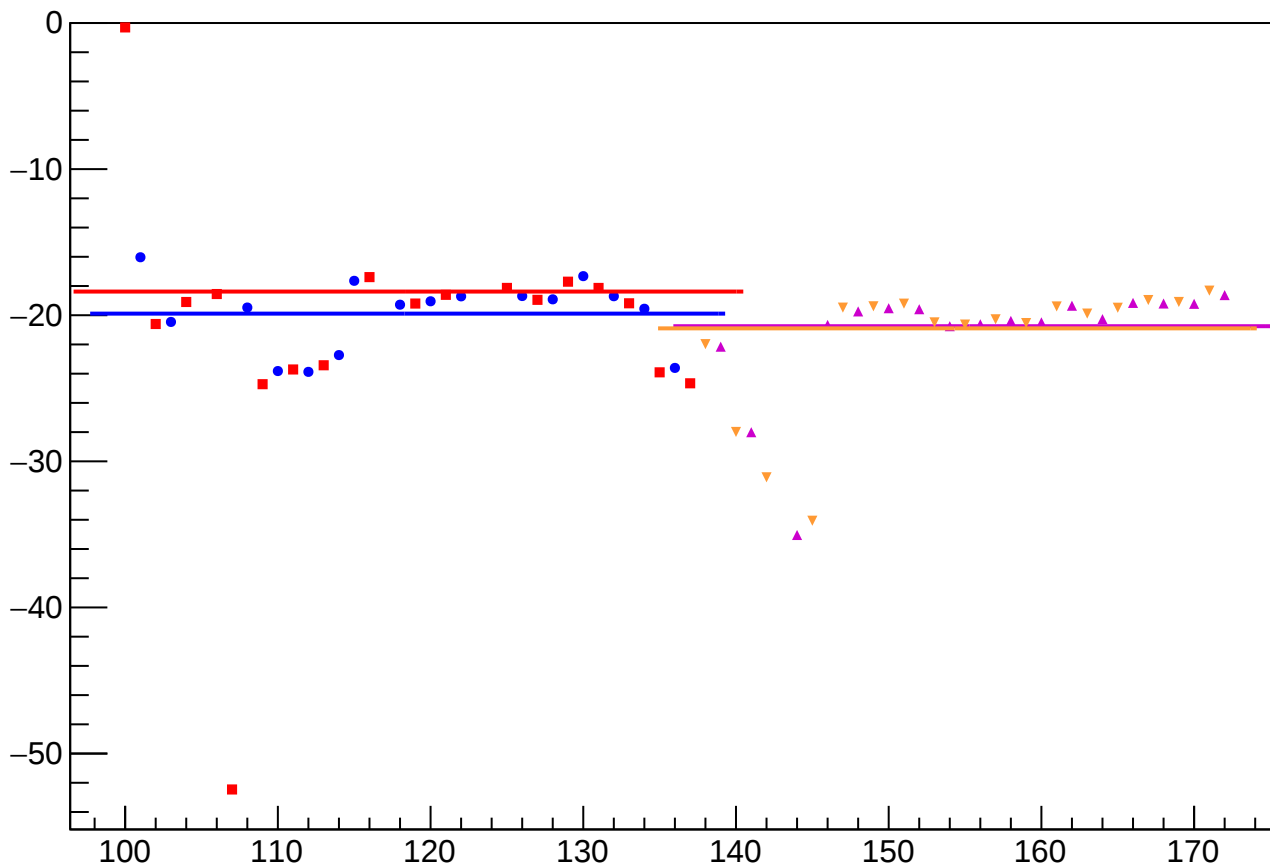
Right: 4.154 ± 0.180 χ^2/NDF : 1128.1/33

In: 7.543 ± 0.158 χ^2/NDF : 1121.5/32

Out: 7.247 ± 0.158 χ^2/NDF : 1045.7/34

All: 7.396 ± 0.112 χ^2/NDF : 2168.9/67

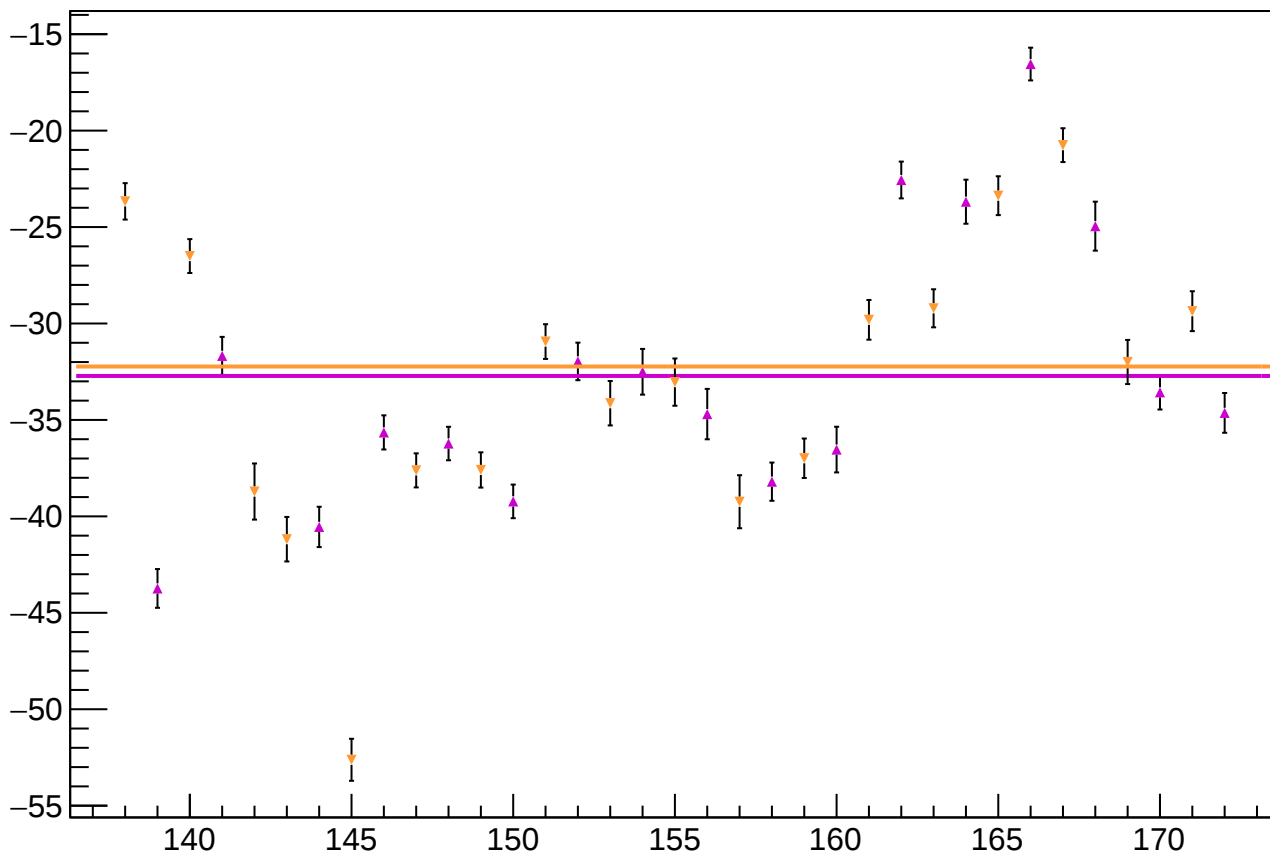
reg_asym_left_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -19.890 ± 0.016 $\chi^2/\text{NDF}: 26044.4/15$
 Left Out: -20.899 ± 0.010 $\chi^2/\text{NDF}: 137502.5/16$
 Right Out: -18.380 ± 0.015 $\chi^2/\text{NDF}: 300999.4/17$
 Left In: -20.751 ± 0.009 $\chi^2/\text{NDF}: 110855.1/16$

Left: -20.823 ± 0.007 $\chi^2/\text{NDF}: 248479.7/33$
 Right: -19.091 ± 0.011 $\chi^2/\text{NDF}: 331979.2/33$
 In: -20.524 ± 0.008 $\chi^2/\text{NDF}: 139130.6/32$
 Out: -20.147 ± 0.008 $\chi^2/\text{NDF}: 458965.6/34$
 All: -20.336 ± 0.006 $\chi^2/\text{NDF}: 599197.9/67$

reg_asym_right_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.230+/-0.242 χ^2/NDF :951.0/17

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

Left In: -32.720+/-0.242 χ^2/NDF :885.4/16

Left: -32.475+/-0.171 χ^2/NDF : 1838.4/34

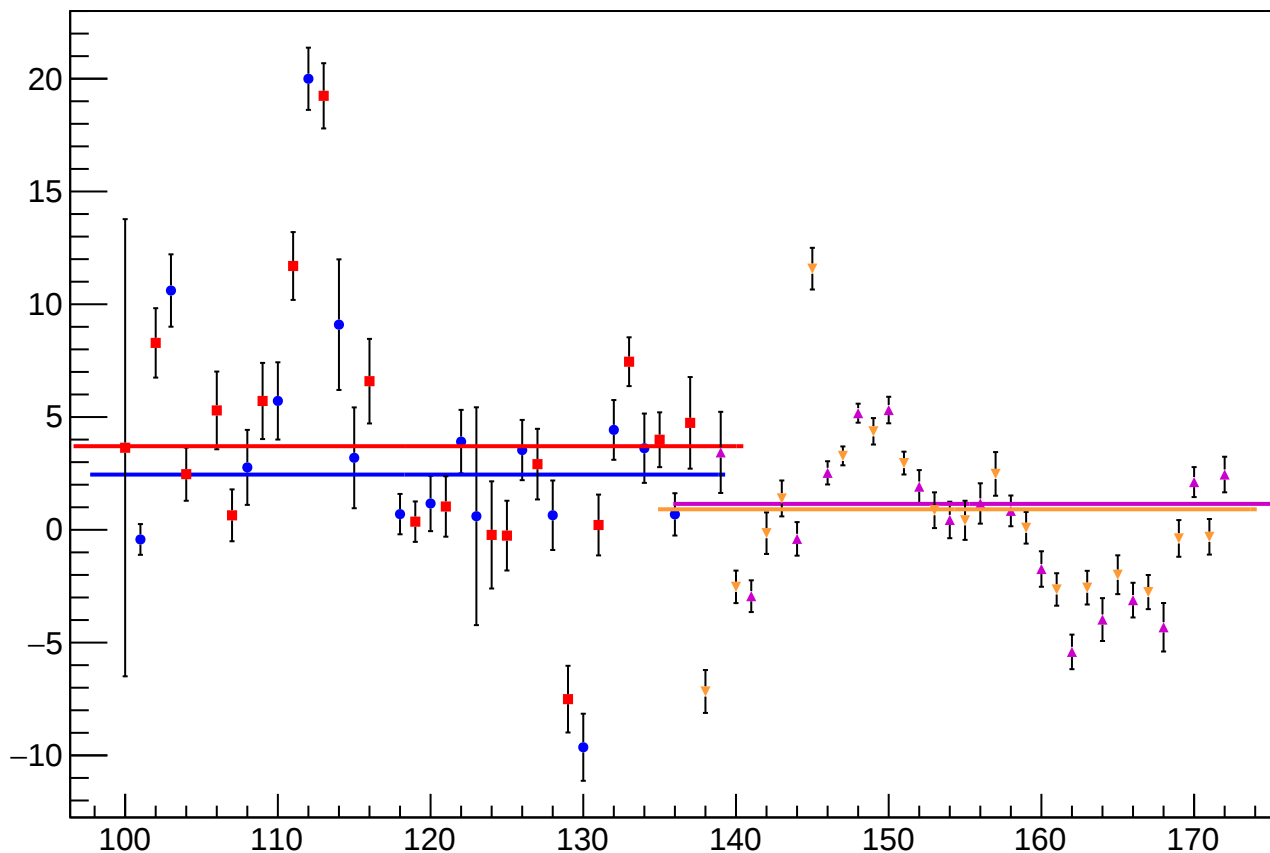
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.720+/-0.242 χ^2/NDF :885.4/16

Out: -32.230+/-0.242 χ^2/NDF :951.0/17

All: -32.475+/-0.171 χ^2/NDF : 1838.4/34

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.449 ± 0.314 $\chi^2/\text{NDF}: 295.3/16$

Left Out: 0.910 ± 0.168 $\chi^2/\text{NDF}: 403.2/17$

Right Out: 3.707 ± 0.326 $\chi^2/\text{NDF}: 269.4/18$

Left In: 1.150 ± 0.171 $\chi^2/\text{NDF}: 367.7/16$

Left: 1.028 ± 0.120 $\chi^2/\text{NDF}: 771.9/34$

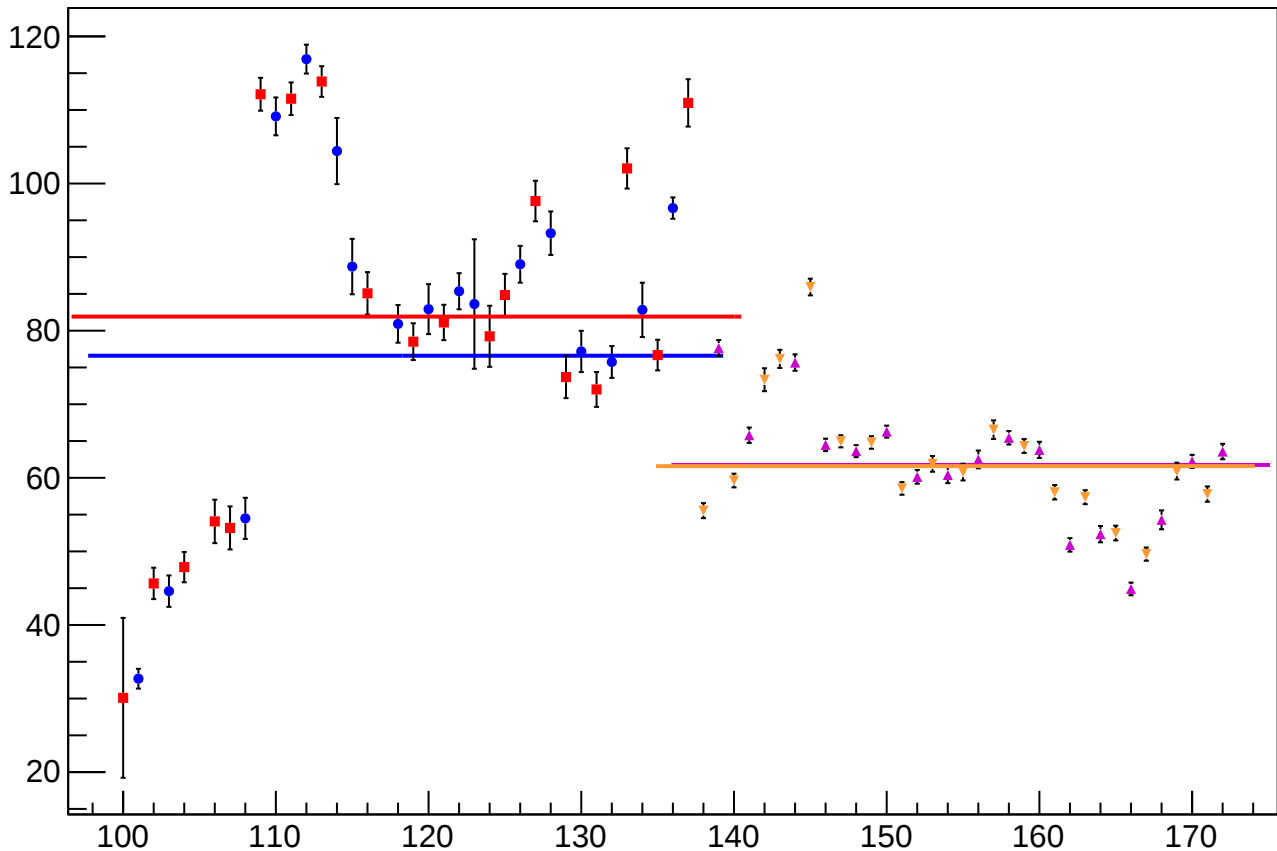
Right: 3.055 ± 0.226 $\chi^2/\text{NDF}: 572.4/35$

In: 1.447 ± 0.150 $\chi^2/\text{NDF}: 676.2/33$

Out: 1.496 ± 0.149 $\chi^2/\text{NDF}: 730.7/36$

All: 1.472 ± 0.106 $\chi^2/\text{NDF}: 1406.9/70$

reg_asym_right_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.598 $\pm$ 0.576 χ^2 /NDF: 2255.1/16

Left Out: 61.591 $\pm$ 0.239 χ^2 /NDF:1068.2/17

Right Out: 81.916 $\pm$ 0.592 χ^2 /NDF: 1570.7/18

Left In: 61.751 $\pm$ 0.237 χ^2 /NDF:1083.1/16

Left: 61.671 $\pm$ 0.168 χ^2 /NDF: 2151.5/34

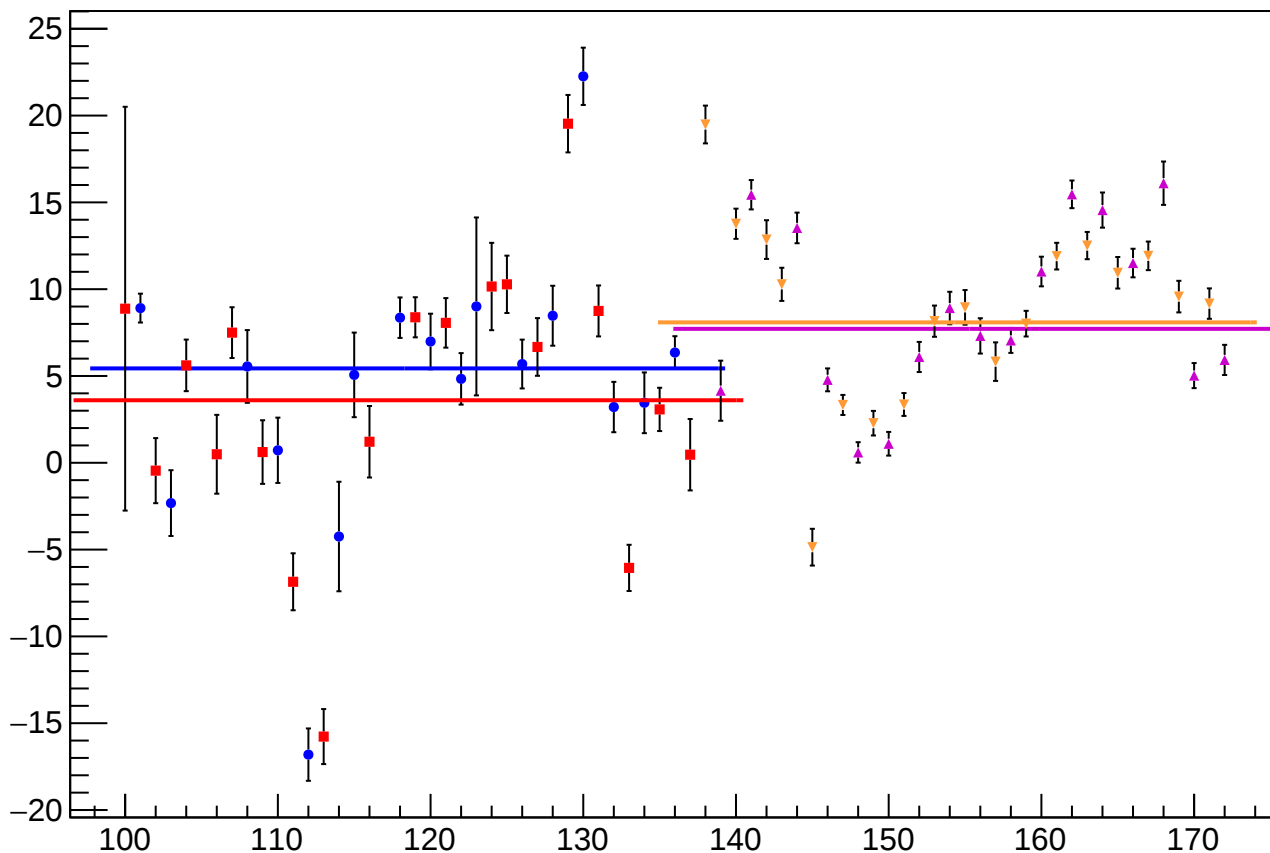
Right: 79.184 $\pm$ 0.413 χ^2 /NDF: 3867.3/35

In: 63.907 $\pm$ 0.219 χ^2 /NDF:3906.0/33

Out: 64.429 $\pm$ 0.221 χ^2 /NDF:3652.9/36

All: 64.166 $\pm$ 0.156 χ^2 /NDF: 7561.7/70

reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.436 $\pm$ 0.360 χ^2/NDF : 387.2/16

Left Out: 8.088 $\pm$ 0.197 χ^2/NDF :609.6/17

Right Out: 3.602 $\pm$ 0.375 χ^2/NDF : 423.3/18

Left In: 7.715 $\pm$ 0.200 χ^2/NDF :636.9/16

Left: 7.904 $\pm$ 0.140 χ^2/NDF : 1248.3/34

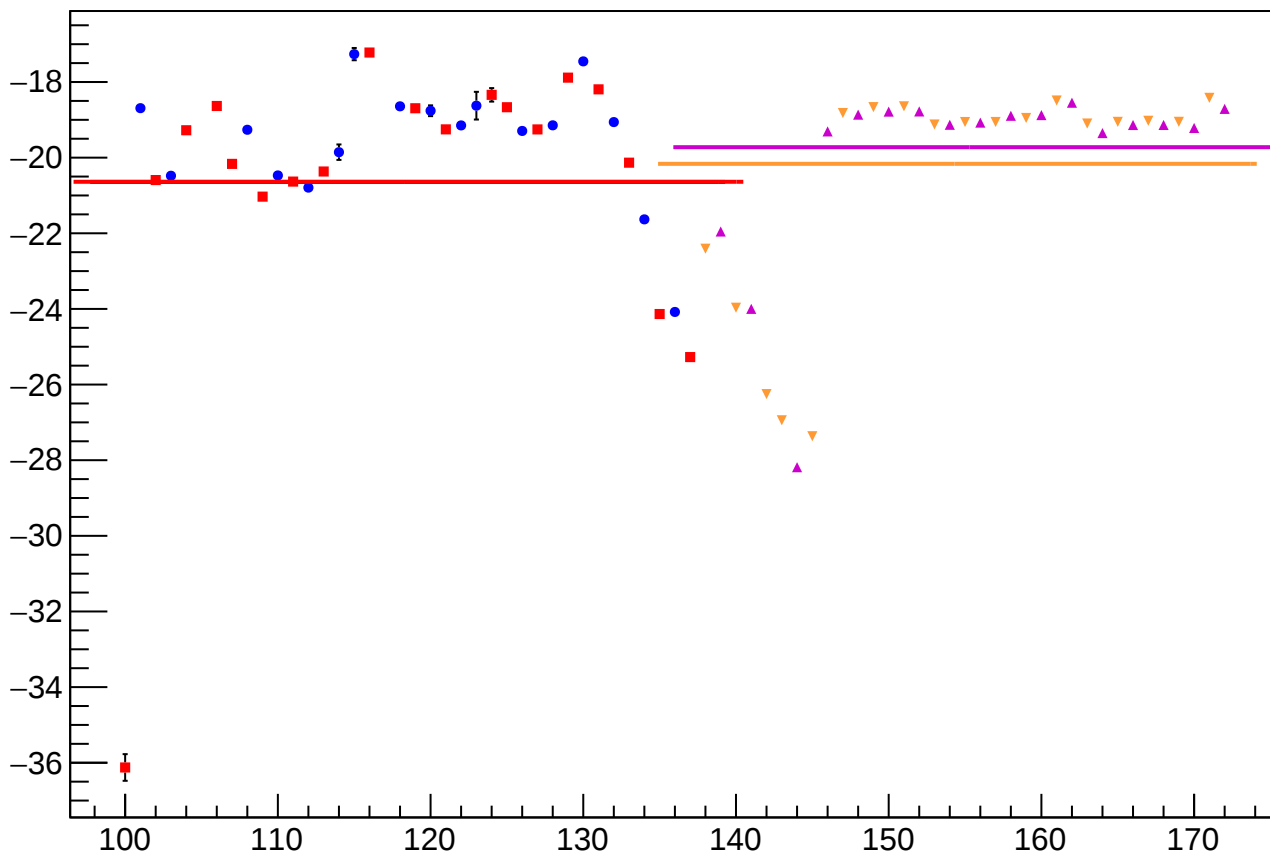
Right: 4.556 $\pm$ 0.260 χ^2/NDF : 823.0/35

In: 7.178 $\pm$ 0.175 χ^2/NDF :1054.7/33

Out: 7.115 $\pm$ 0.175 χ^2/NDF :1145.0/36

All: 7.146 $\pm$ 0.124 χ^2/NDF : 2199.8/70

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.642 ± 0.019 $\chi^2/\text{NDF}: 12431.5/16$

Left Out: -20.163 ± 0.009 $\chi^2/\text{NDF}: 81182.5/17$

Right Out: -20.638 ± 0.019 $\chi^2/\text{NDF}: 13783.4/18$

Left In: -19.723 ± 0.009 $\chi^2/\text{NDF}: 49701.6/16$

Left: -19.941 ± 0.007 $\chi^2/\text{NDF}: 131985.7/34$

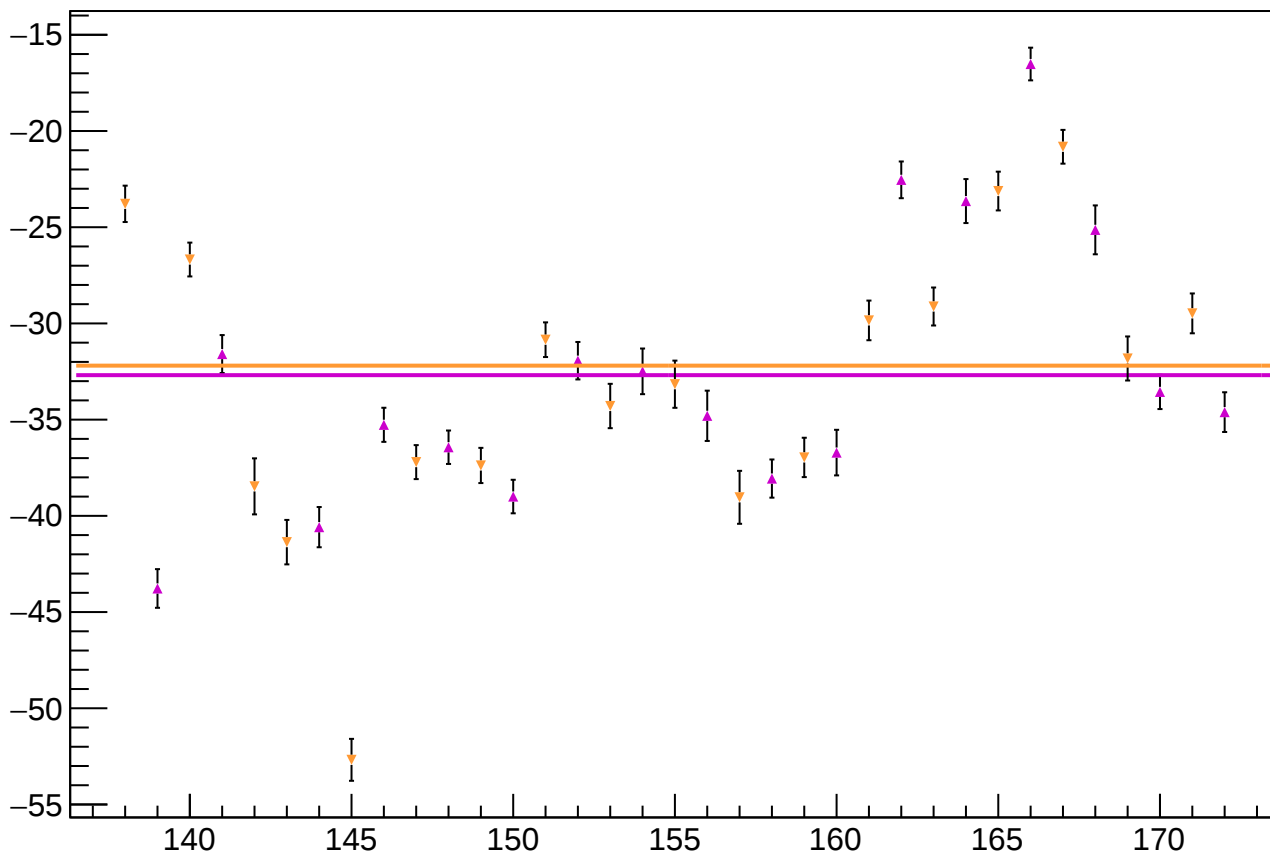
Right: -20.640 ± 0.014 $\chi^2/\text{NDF}: 26214.9/35$

In: -19.897 ± 0.008 $\chi^2/\text{NDF}: 63963.2/33$

Out: -20.253 ± 0.008 $\chi^2/\text{NDF}: 95448.3/36$

All: -20.074 ± 0.006 $\chi^2/\text{NDF}: 160304.2/70$

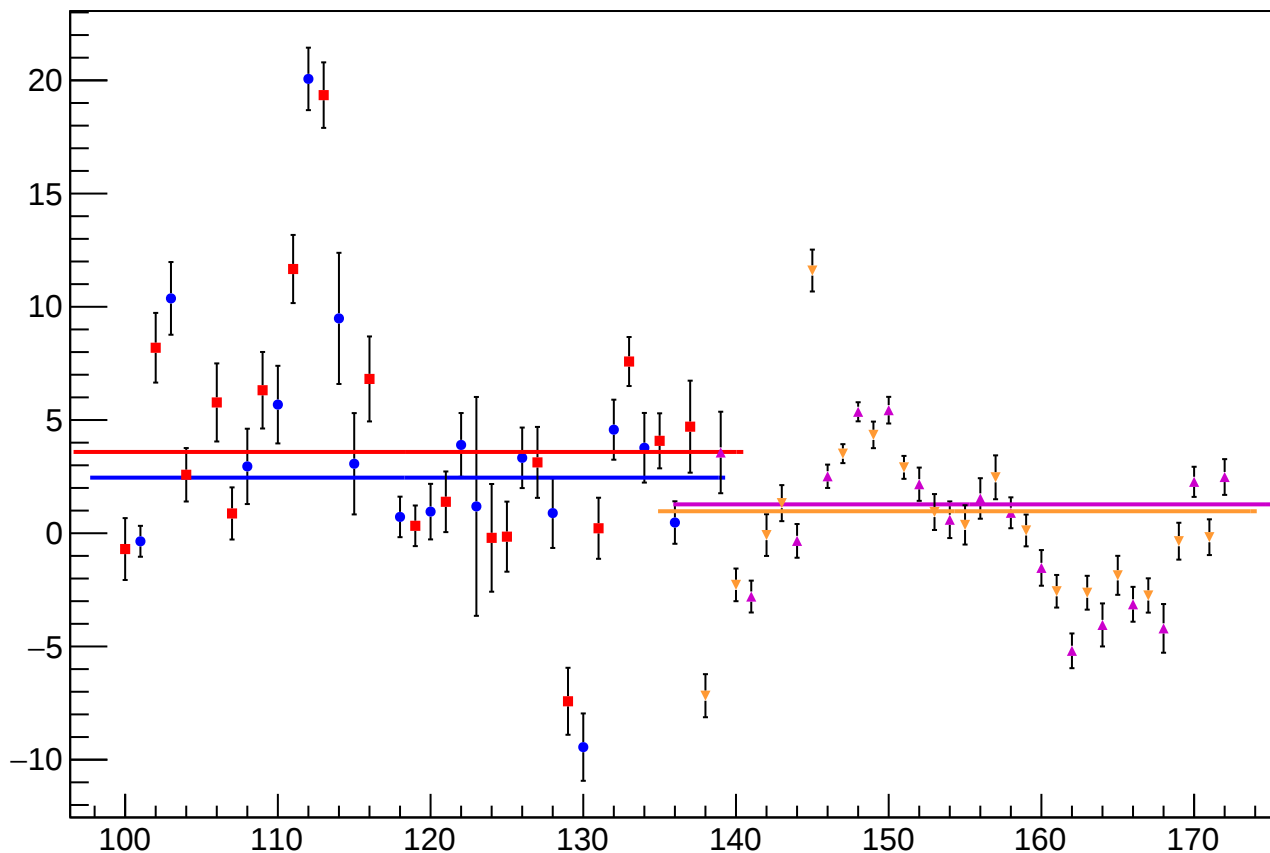
reg_asym_right_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -32.194+/-0.242 χ^2/NDF :941.6/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -32.688+/-0.243 χ^2/NDF :881.5/16

Left: -32.441+/-0.171 χ^2/NDF : 1825.2/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -32.688+/-0.243 χ^2/NDF :881.5/16
 Out: -32.194+/-0.242 χ^2/NDF :941.6/17
 All: -32.441+/-0.171 χ^2/NDF : 1825.2/34

reg_asym_right_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.455 ± 0.315 $\chi^2/\text{NDF}: 293.5/16$

Left Out: 0.971 ± 0.168 $\chi^2/\text{NDF}: 403.2/17$

Right Out: 3.590 ± 0.318 $\chi^2/\text{NDF}: 279.8/18$

Left In: 1.275 ± 0.171 $\chi^2/\text{NDF}: 370.8/16$

Left: 1.120 ± 0.120 $\chi^2/\text{NDF}: 775.6/34$

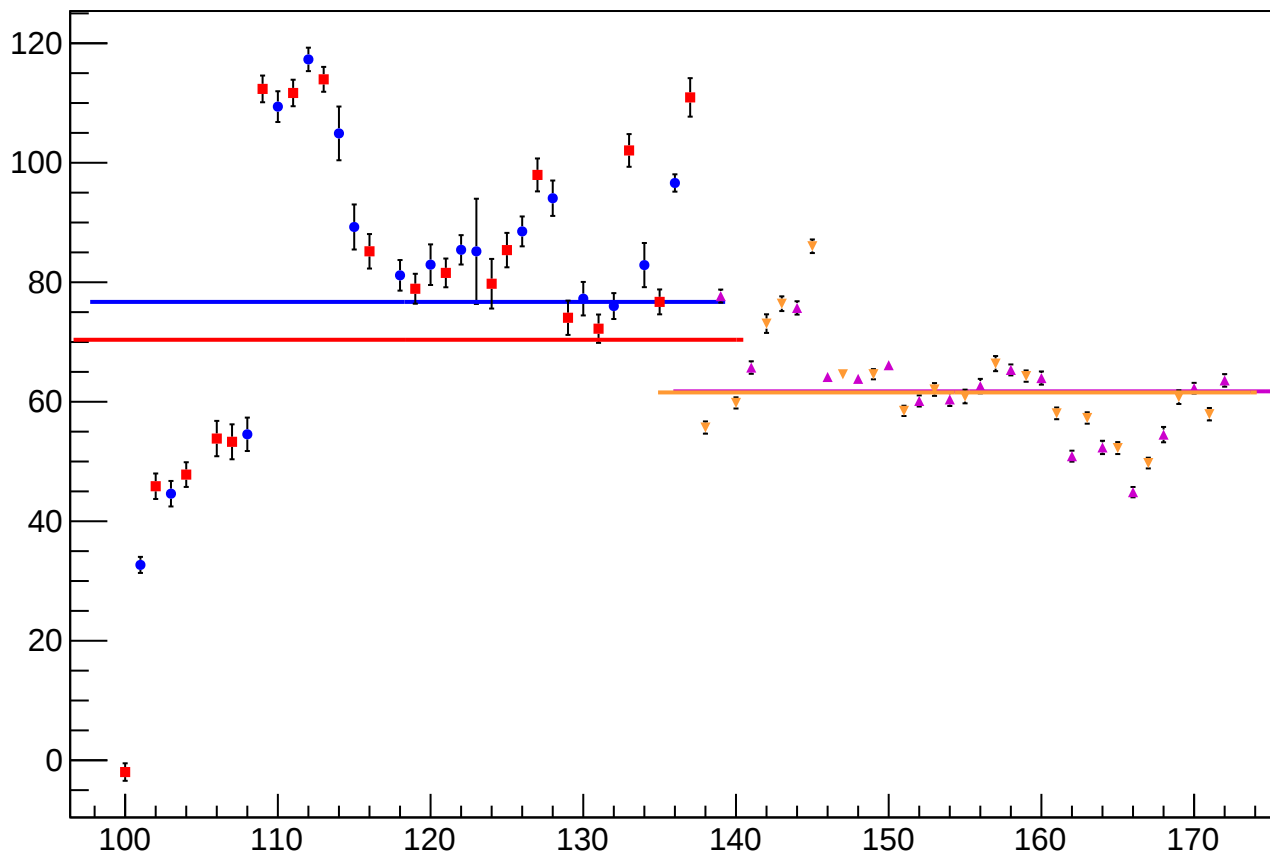
Right: 3.017 ± 0.224 $\chi^2/\text{NDF}: 579.8/35$

In: 1.545 ± 0.151 $\chi^2/\text{NDF}: 675.1/33$

Out: 1.544 ± 0.149 $\chi^2/\text{NDF}: 736.1/36$

All: 1.544 ± 0.106 $\chi^2/\text{NDF}: 1411.2/70$

reg_asym_right_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 76.713 $\pm$ 0.576 χ^2 /NDF: 2266.6/16

Left Out: 61.562 $\pm$ 0.239 χ^2 /NDF:1066.1/17

Right Out: 70.376 $\pm$ 0.550 χ^2 /NDF: 4390.7/18

Left In: 61.745 $\pm$ 0.238 χ^2 /NDF:1078.7/16

Left: 61.654 $\pm$ 0.168 χ^2 /NDF: 2145.2/34

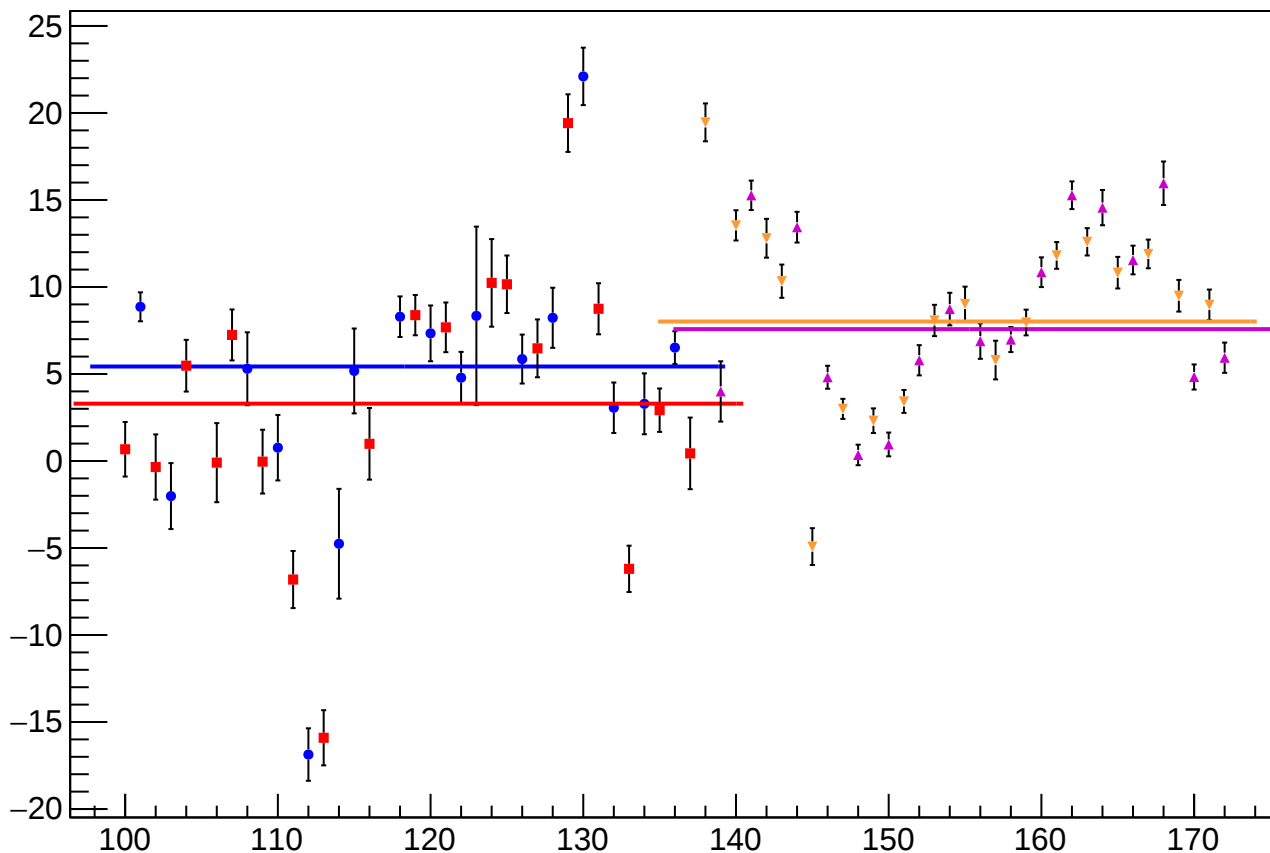
Right: 73.396 $\pm$ 0.398 χ^2 /NDF: 6720.6/35

In: 63.919 $\pm$ 0.220 χ^2 /NDF:3921.9/33

Out: 62.959 $\pm$ 0.219 χ^2 /NDF:5673.0/36

All: 63.437 $\pm$ 0.155 χ^2 /NDF: 9604.4/70

reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 5.430 ± 0.361 χ^2/NDF : 385.9/16

Left Out: 8.016 ± 0.197 χ^2/NDF : 612.3/17

Right Out: 3.295 ± 0.365 χ^2/NDF : 426.1/18

Left In: 7.578 ± 0.200 χ^2/NDF : 641.8/16

Left: 7.800 ± 0.141 χ^2/NDF : 1256.5/34

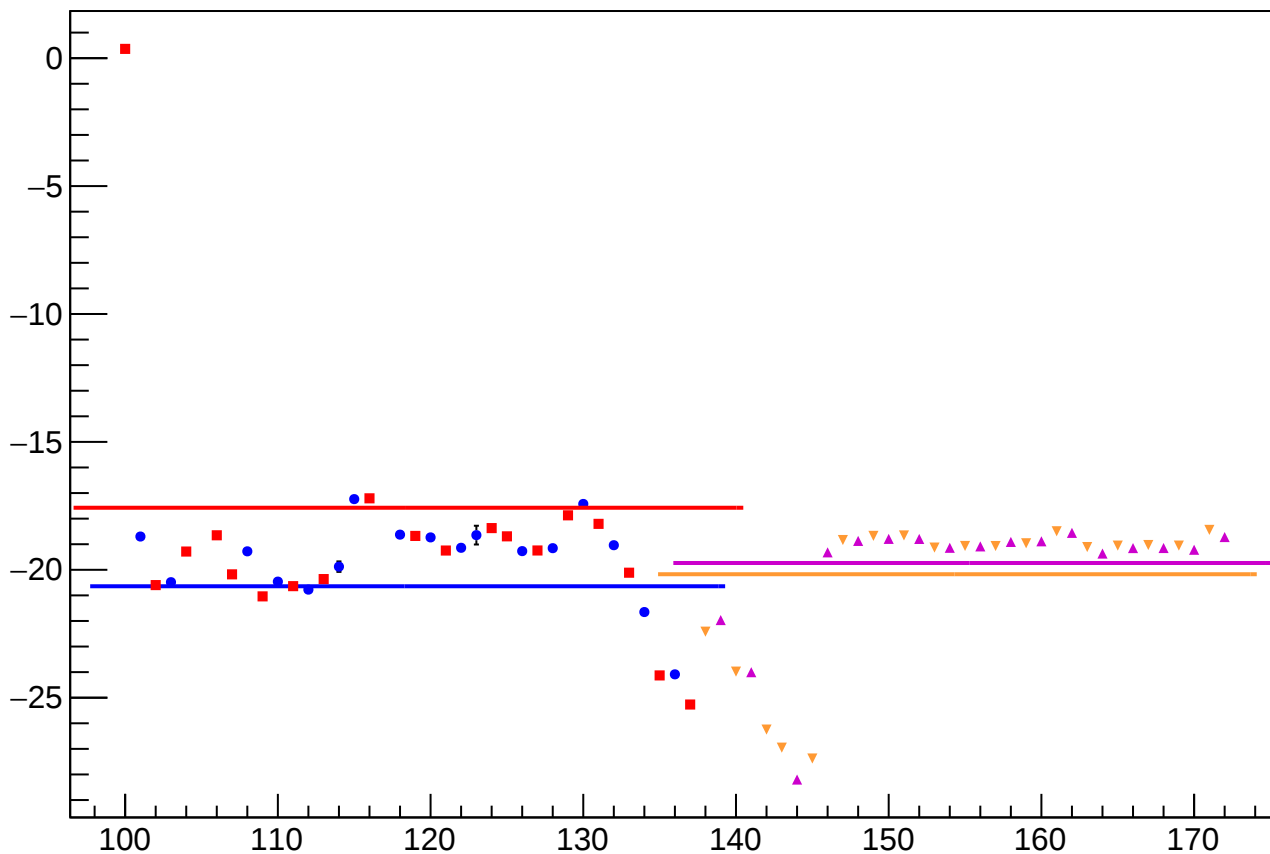
Right: 4.376 ± 0.257 χ^2/NDF : 829.3/35

In: 7.072 ± 0.175 χ^2/NDF : 1054.8/33

Out: 6.947 ± 0.174 χ^2/NDF : 1167.8/36

All: 7.009 ± 0.123 χ^2/NDF : 2222.8/70

reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.643 $\pm$ 0.019 χ^2/NDF : 12468.6/16

Left Out: -20.173 $\pm$ 0.009 χ^2/NDF : 81020.7/17

Right Out: -17.574 $\pm$ 0.018 χ^2/NDF : 178327.0/18

Left In: -19.734 $\pm$ 0.009 χ^2/NDF : 49637.5/16

Left: -19.951 $\pm$ 0.007 χ^2/NDF : 131755.5/34

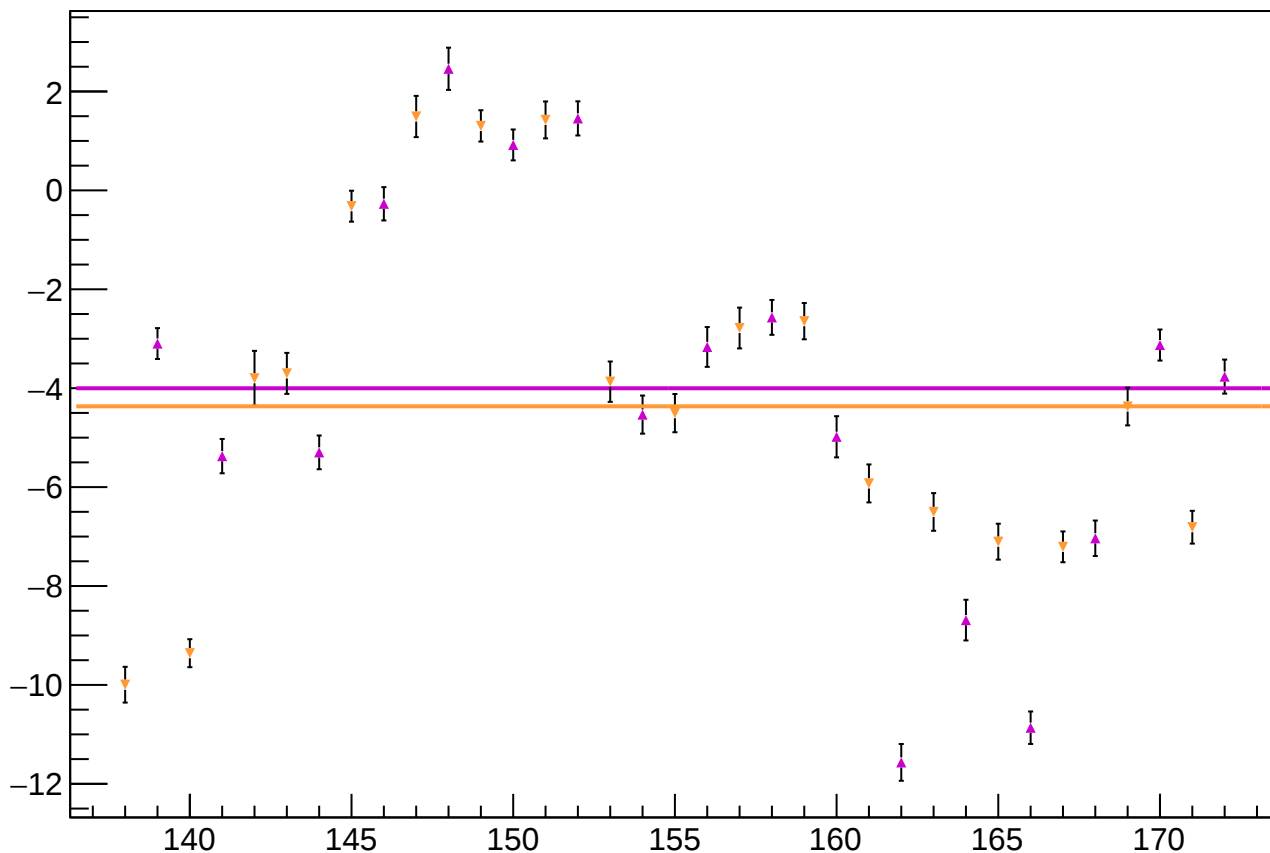
Right: -19.001 $\pm$ 0.013 χ^2/NDF : 204262.7/35

In: -19.906 $\pm$ 0.008 χ^2/NDF : 63898.9/33

Out: -19.616 $\pm$ 0.008 χ^2/NDF : 275665.7/36

All: -19.760 $\pm$ 0.006 χ^2/NDF : 340161.7/70

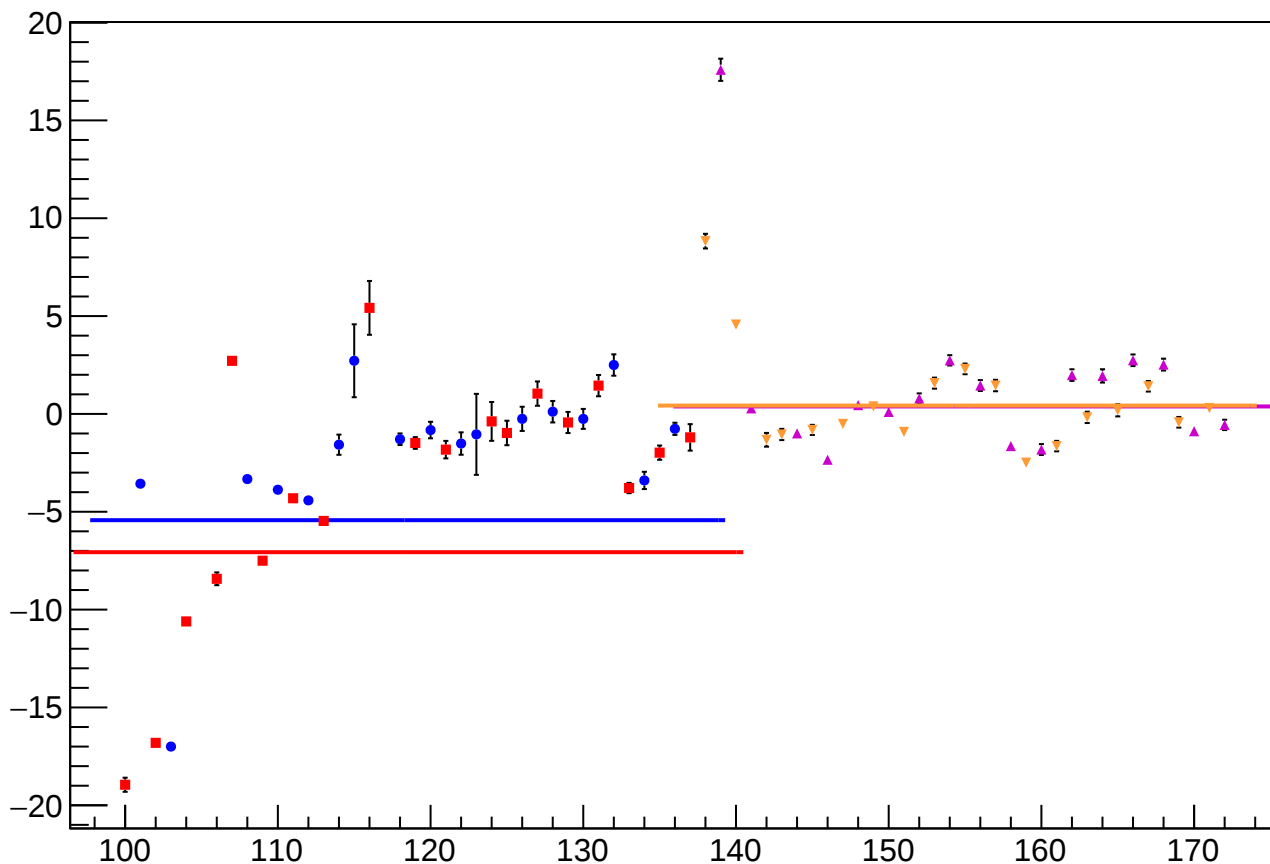
reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -4.366 $\pm$ 0.086 χ^2 /NDF:1763.5/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -4.002 $\pm$ 0.086 χ^2 /NDF:1976.6/16

Left: -4.184 $\pm$ 0.061 χ^2 /NDF: 3749.1/34
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -4.002 $\pm$ 0.086 χ^2 /NDF:1976.6/16
 Out: -4.366 $\pm$ 0.086 χ^2 /NDF:1763.5/17
 All: -4.184 $\pm$ 0.061 χ^2 /NDF: 3749.1/34

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.431 ± 0.055 χ^2/NDF : 9233.8/16

Left Out: 0.427 ± 0.062 χ^2/NDF : 1244.1/17

Right Out: -7.066 ± 0.059 χ^2/NDF : 12306.6/18

Left In: 0.381 ± 0.063 χ^2/NDF : 1550.3/16

Left: 0.404 ± 0.044 χ^2/NDF : 2794.7/34

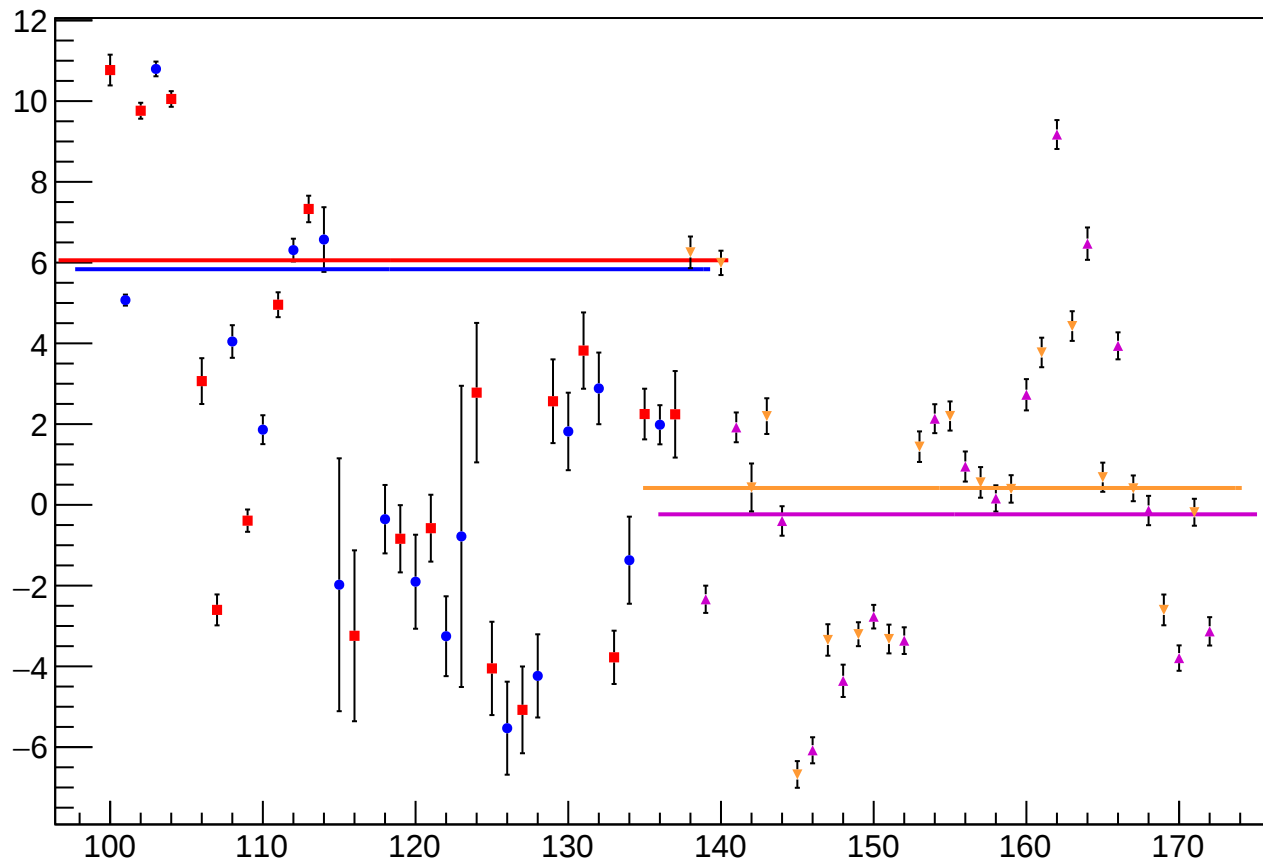
Right: -6.189 ± 0.040 χ^2/NDF : 21952.0/35

In: -2.939 ± 0.041 χ^2/NDF : 15595.8/33

Out: -3.493 ± 0.043 χ^2/NDF : 21234.3/36

All: -3.208 ± 0.030 χ^2/NDF : 36916.7/70

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.836 $\pm$ 0.090 χ^2 /NDF: 1440.9/16

Left Out: 0.418 $\pm$ 0.085 χ^2 /NDF:1694.9/17

Right Out: 6.057 $\pm$ 0.093 χ^2 /NDF: 2668.9/18

Left In: -0.234 $\pm$ 0.084 χ^2 /NDF:2107.1/16

Left: 0.090 $\pm$ 0.060 χ^2 /NDF: 3831.8/34

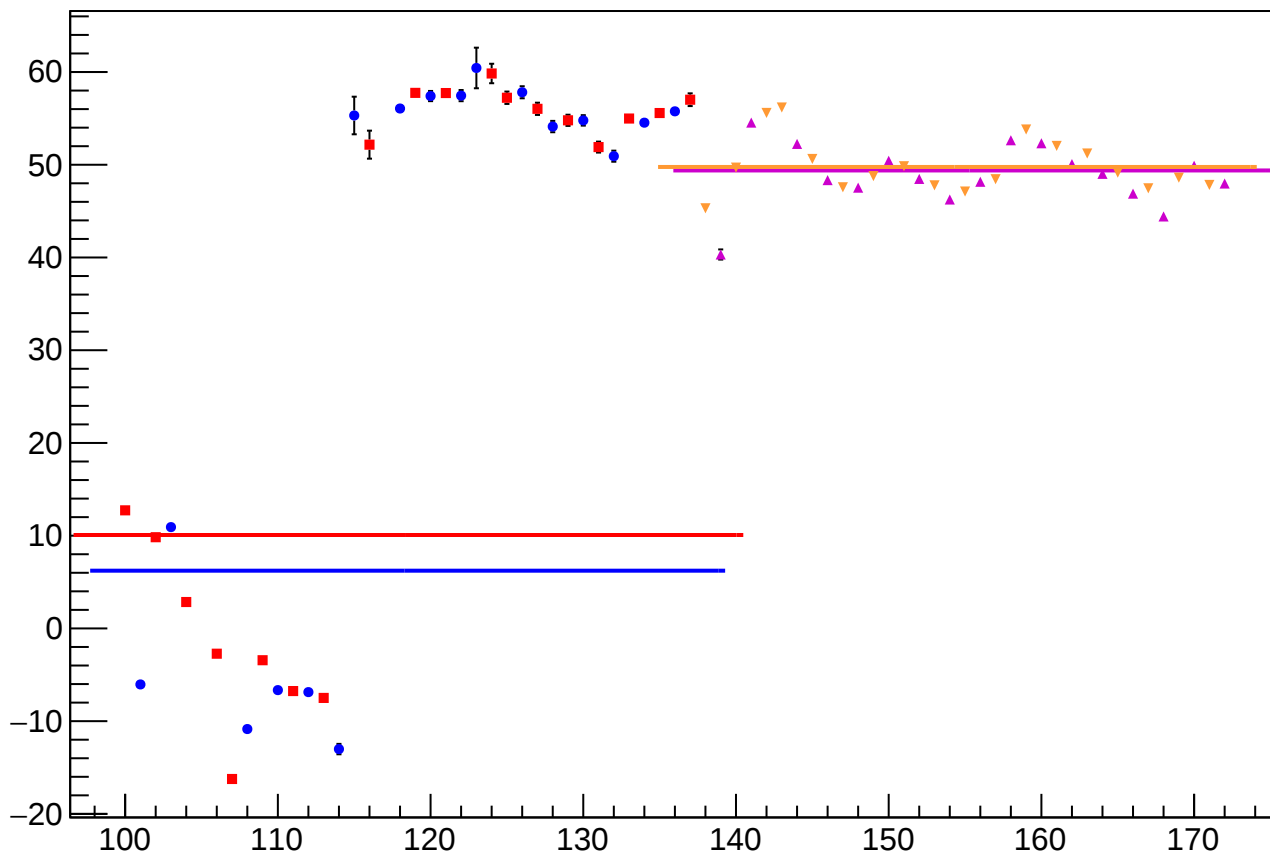
Right: 5.942 $\pm$ 0.065 χ^2 /NDF: 4112.7/35

In: 2.620 $\pm$ 0.061 χ^2 /NDF:5976.8/33

Out: 2.969 $\pm$ 0.063 χ^2 /NDF:6363.2/36

All: 2.791 $\pm$ 0.044 χ^2 /NDF: 12355.7/70

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 6.226 $\pm$ 0.065 χ^2 /NDF: 120955.1/16

Left Out: 49.761 $\pm$ 0.071 χ^2 /NDF:1304.1/17

Right Out: 10.075 $\pm$ 0.070 χ^2 /NDF: 122049.3/18

Left In: 49.385 $\pm$ 0.073 χ^2 /NDF:1425.4/16

Left: 49.576 $\pm$ 0.051 χ^2 /NDF: 2743.2/34

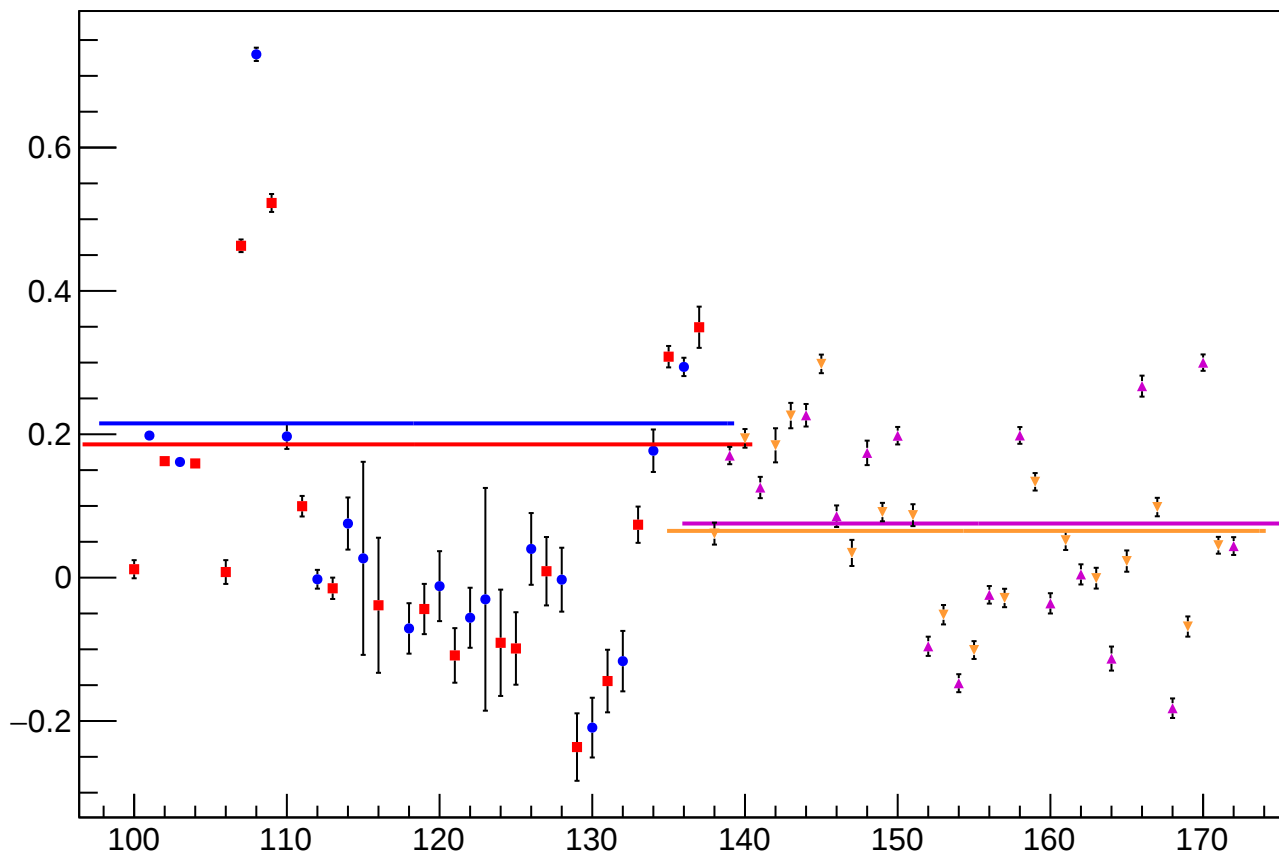
Right: 8.011 $\pm$ 0.047 χ^2 /NDF: 244638.0/35

In: 25.394 $\pm$ 0.048 χ^2 /NDF:319211.0/33

Out: 29.434 $\pm$ 0.050 χ^2 /NDF:281334.0/36

All: 27.349 $\pm$ 0.035 χ^2 /NDF: 603927.1/70

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.215 ± 0.003 $\chi^2/\text{NDF}: 3925.9/16$

Left Out: 0.065 ± 0.003 $\chi^2/\text{NDF}: 1005.8/17$

Right Out: 0.186 ± 0.003 $\chi^2/\text{NDF}: 2718.1/18$

Left In: 0.076 ± 0.003 $\chi^2/\text{NDF}: 2087.5/16$

Left: 0.070 ± 0.002 $\chi^2/\text{NDF}: 3098.3/34$

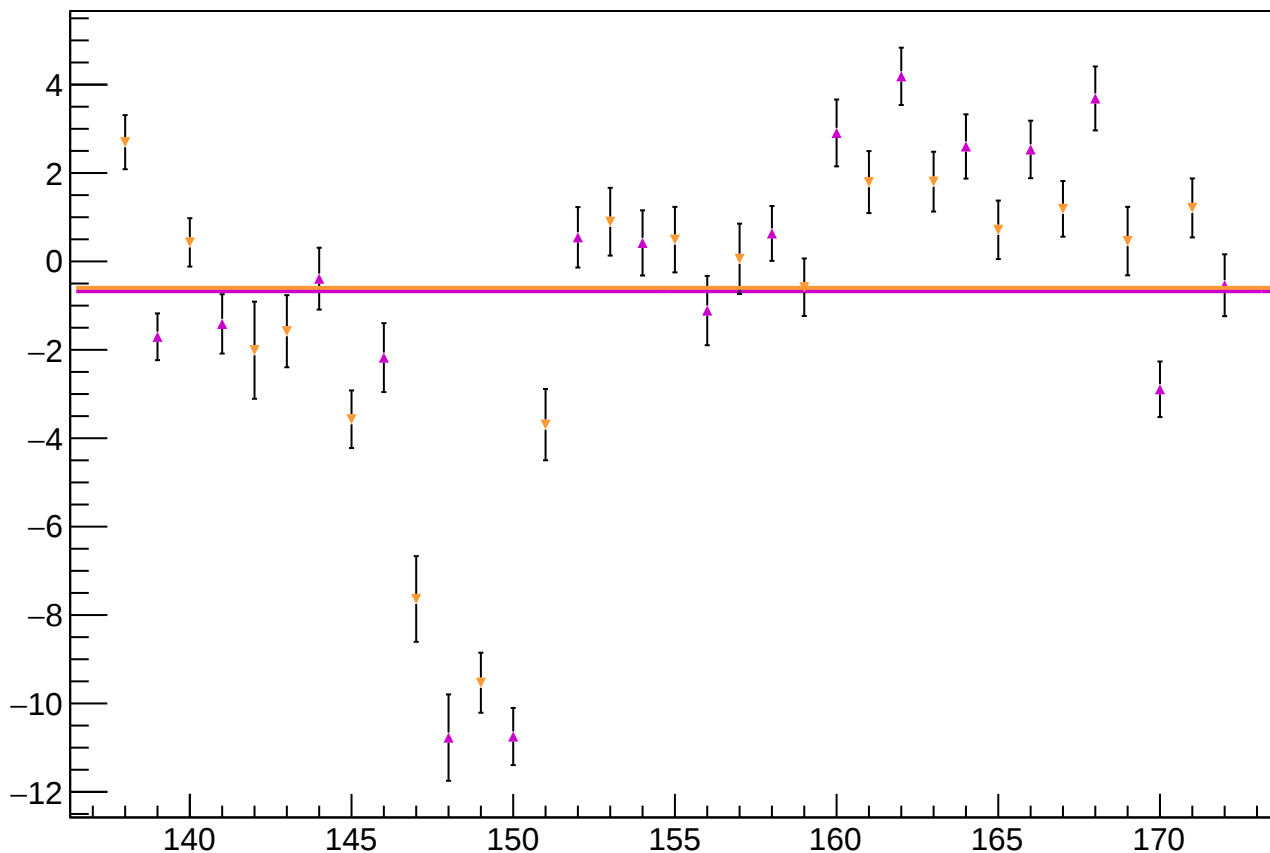
Right: 0.200 ± 0.002 $\chi^2/\text{NDF}: 6701.6/35$

In: 0.157 ± 0.002 $\chi^2/\text{NDF}: 7076.7/33$

Out: 0.138 ± 0.002 $\chi^2/\text{NDF}: 4530.4/36$

All: 0.147 ± 0.001 $\chi^2/\text{NDF}: 11648.9/70$

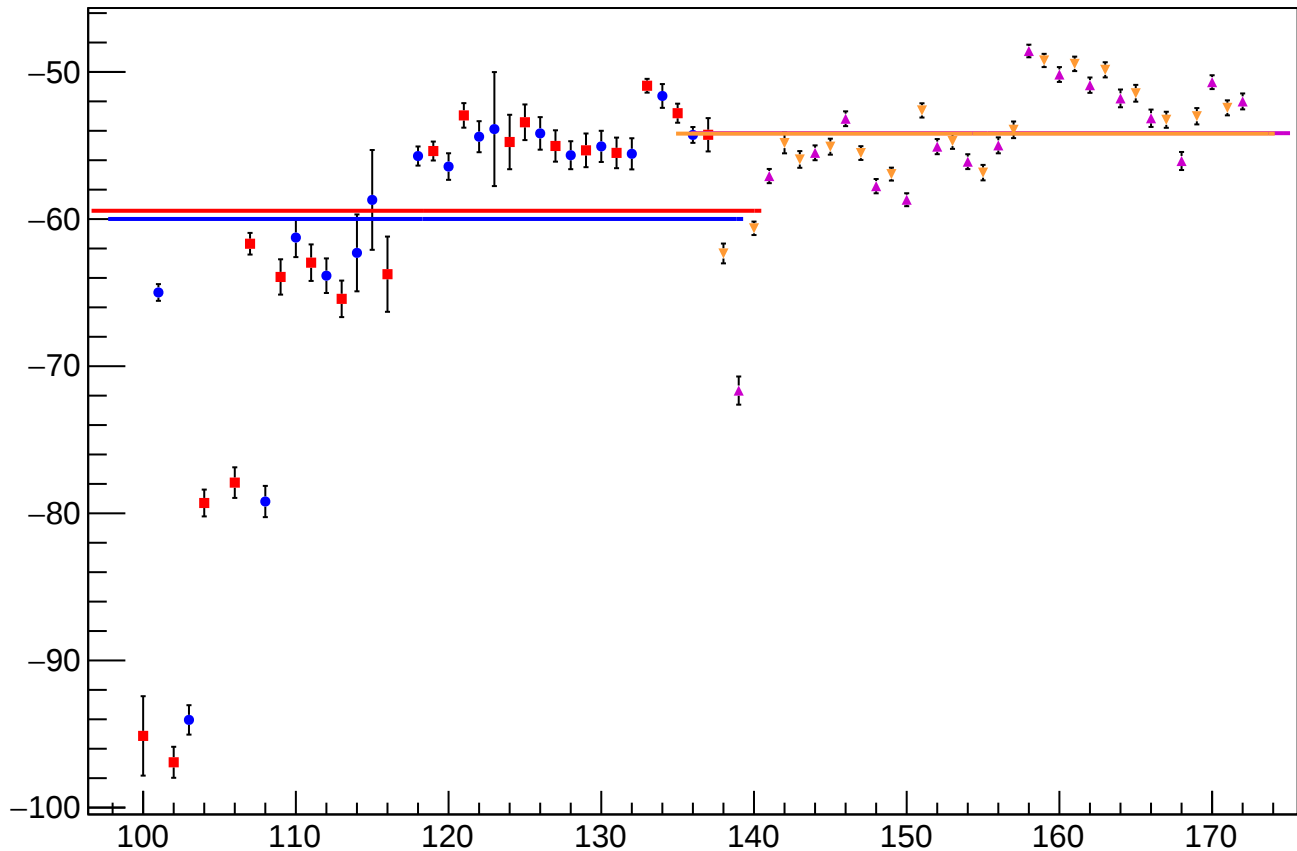
reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.597+/-0.167 χ^2/NDF : 349.1/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.674+/-0.167 χ^2/NDF : 540.7/16

Left: -0.635+/-0.118 χ^2/NDF : 889.9/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.674+/-0.167 χ^2/NDF : 540.7/16
 Out: -0.597+/-0.167 χ^2/NDF : 349.1/17
 All: -0.635+/-0.118 χ^2/NDF : 889.9/34

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -59.992 ± 0.225 χ^2/NDF : 1972.9/16

Left Out: -54.191 ± 0.123 χ^2/NDF : 770.0/17

Right Out: -59.435 ± 0.212 χ^2/NDF : 2917.9/18

Left In: -54.161 ± 0.126 χ^2/NDF : 931.0/16

Left: -54.177 ± 0.088 χ^2/NDF : 1701.1/34

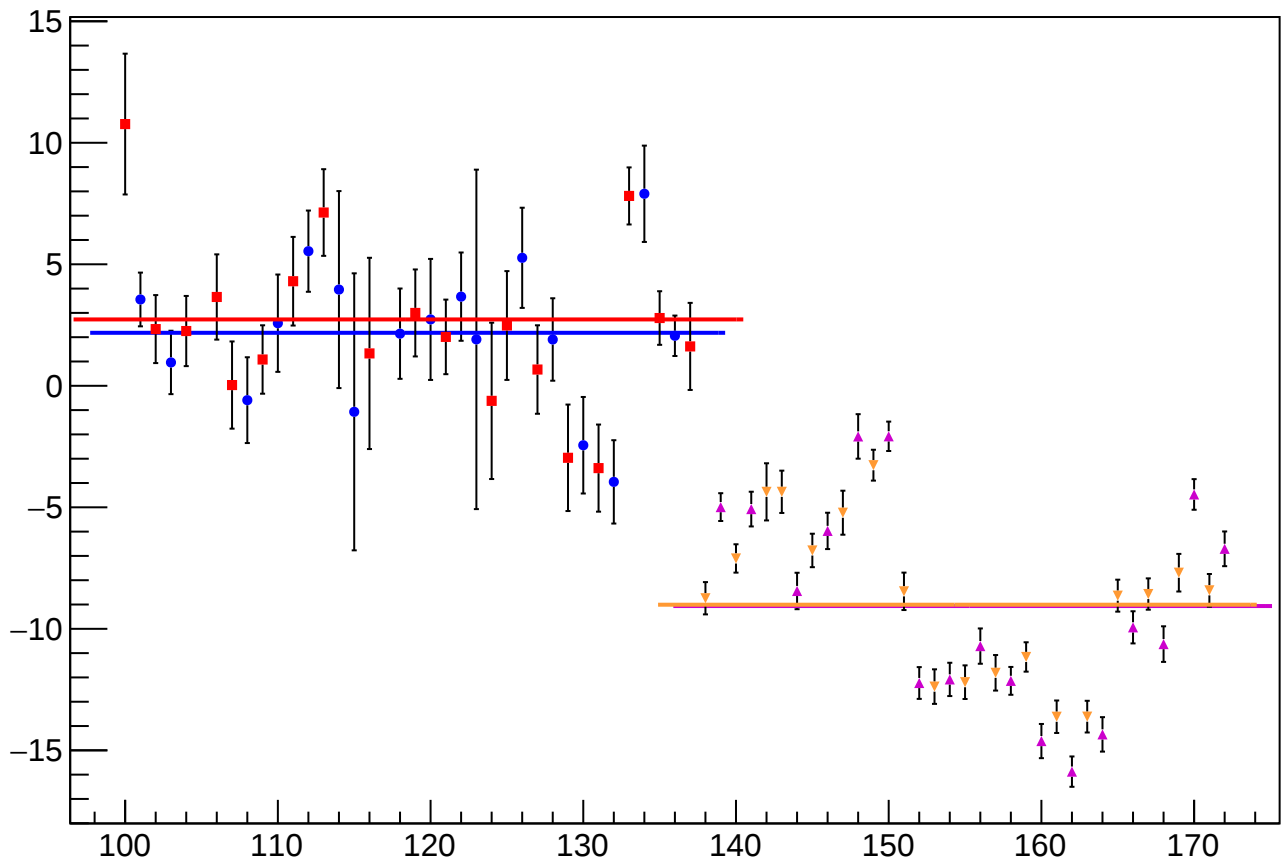
Right: -59.697 ± 0.154 χ^2/NDF : 4894.0/35

In: -55.554 ± 0.110 χ^2/NDF : 3415.3/33

Out: -55.511 ± 0.106 χ^2/NDF : 4146.0/36

All: -55.532 ± 0.076 χ^2/NDF : 7561.3/70

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 2.181 ± 0.406 $\chi^2/\text{NDF}: 39.0/16$

Left Out: -9.008 ± 0.165 $\chi^2/\text{NDF}: 338.1/17$

Right Out: 2.731 ± 0.388 $\chi^2/\text{NDF}: 58.9/18$

Left In: -9.063 ± 0.164 $\chi^2/\text{NDF}: 675.3/16$

Left: -9.035 ± 0.116 $\chi^2/\text{NDF}: 1013.4/34$

Right: 2.468 ± 0.280 $\chi^2/\text{NDF}: 98.9/35$

In: -7.481 ± 0.152 $\chi^2/\text{NDF}: 1374.5/33$

Out: -7.205 ± 0.152 $\chi^2/\text{NDF}: 1171.9/36$

All: -7.343 ± 0.108 $\chi^2/\text{NDF}: 2548.1/70$

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -32.682 ± 0.256 $\chi^2/\text{NDF}: 4646.9/16$

Left Out: -37.854 ± 0.141 $\chi^2/\text{NDF}: 791.0/17$

Right Out: -32.523 ± 0.244 $\chi^2/\text{NDF}: 6045.3/18$

Left In: -37.469 ± 0.143 $\chi^2/\text{NDF}: 969.4/16$

Left: -37.664 ± 0.100 $\chi^2/\text{NDF}: 1764.1/34$

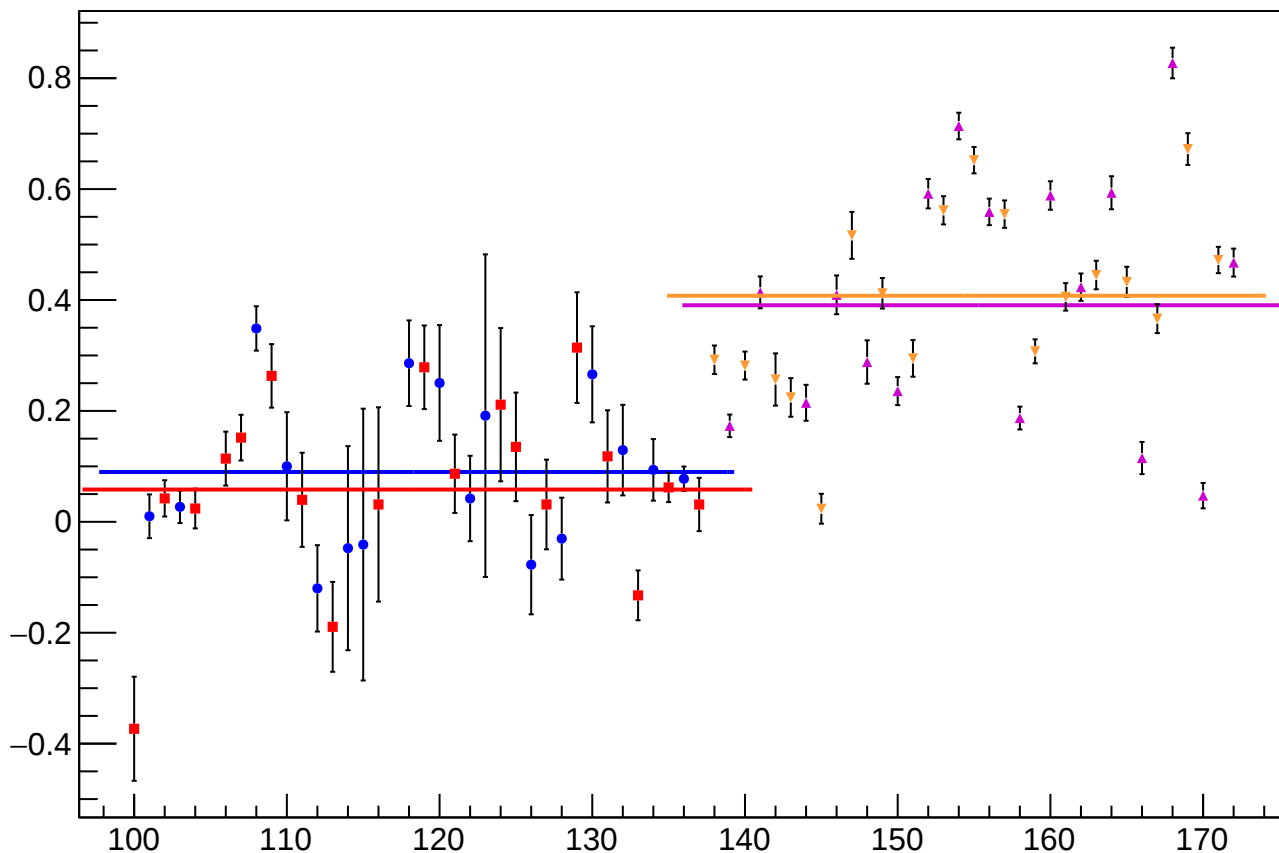
Right: -32.599 ± 0.177 $\chi^2/\text{NDF}: 10692.4/35$

In: -36.334 ± 0.125 $\chi^2/\text{NDF}: 5883.5/33$

Out: -36.526 ± 0.122 $\chi^2/\text{NDF}: 7194.7/36$

All: -36.432 ± 0.087 $\chi^2/\text{NDF}: 13079.5/70$

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.090 ± 0.013 $\chi^2/\text{NDF}: 78.8/16$

Left Out: 0.408 ± 0.006 $\chi^2/\text{NDF}: 601.4/17$

Right Out: 0.058 ± 0.012 $\chi^2/\text{NDF}: 87.1/18$

Left In: 0.391 ± 0.006 $\chi^2/\text{NDF}: 1257.6/16$

Left: 0.399 ± 0.004 $\chi^2/\text{NDF}: 1862.6/34$

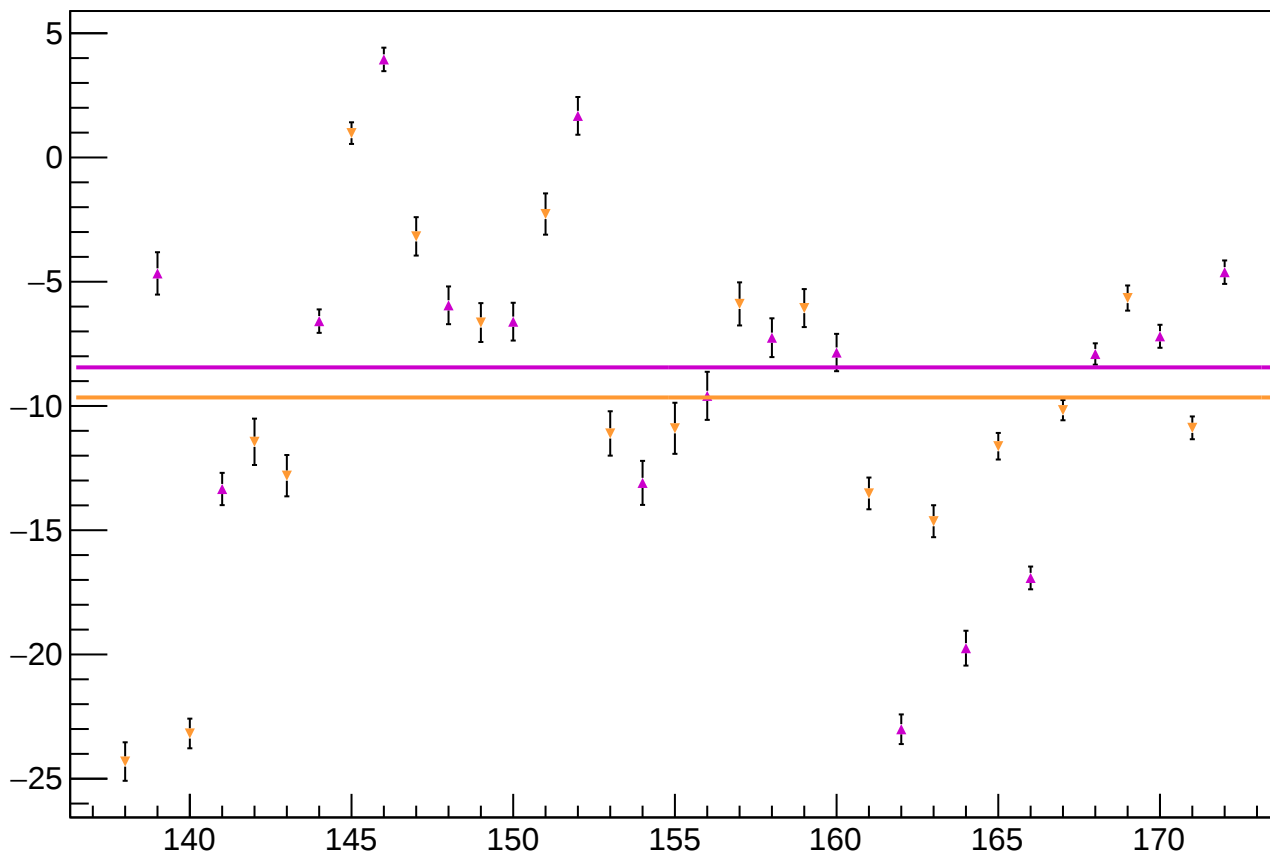
Right: 0.073 ± 0.009 $\chi^2/\text{NDF}: 169.1/35$

In: 0.331 ± 0.006 $\chi^2/\text{NDF}: 1783.4/33$

Out: 0.332 ± 0.006 $\chi^2/\text{NDF}: 1335.4/36$

All: 0.332 ± 0.004 $\chi^2/\text{NDF}: 3118.7/70$

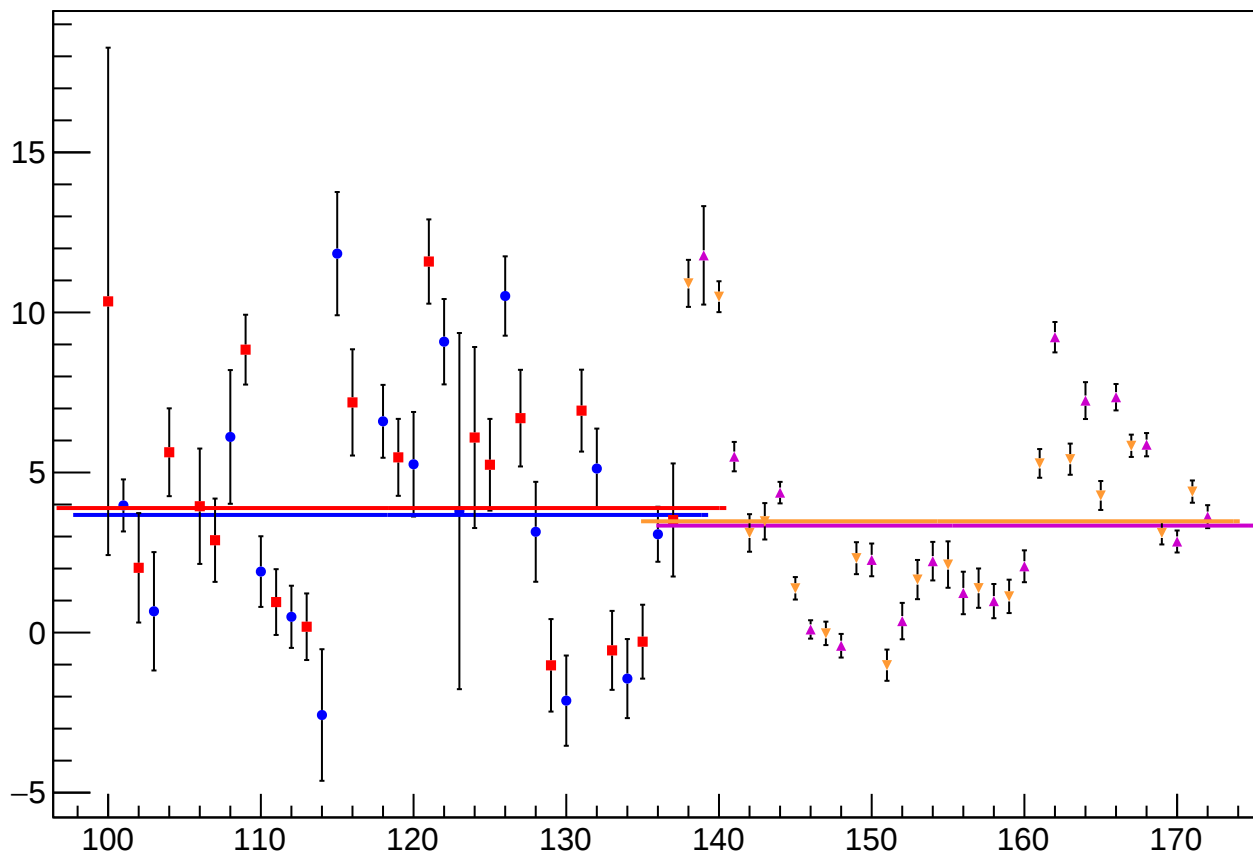
reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -9.657+/-0.148 χ^2/NDF :1874.9/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -8.447+/-0.145 χ^2/NDF :2278.7/16

Left: -9.036+/-0.104 χ^2/NDF : 4187.8/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -8.447+/-0.145 χ^2/NDF :2278.7/16
 Out: -9.657+/-0.148 χ^2/NDF :1874.9/17
 All: -9.036+/-0.104 χ^2/NDF : 4187.8/34

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.675 ± 0.310 $\chi^2/\text{NDF}: 135.2/16$

Left Out: 3.476 ± 0.108 $\chi^2/\text{NDF}: 664.9/17$

Right Out: 3.890 ± 0.316 $\chi^2/\text{NDF}: 133.7/18$

Left In: 3.342 ± 0.105 $\chi^2/\text{NDF}: 709.4/16$

Left: 3.407 ± 0.076 $\chi^2/\text{NDF}: 1375.1/34$

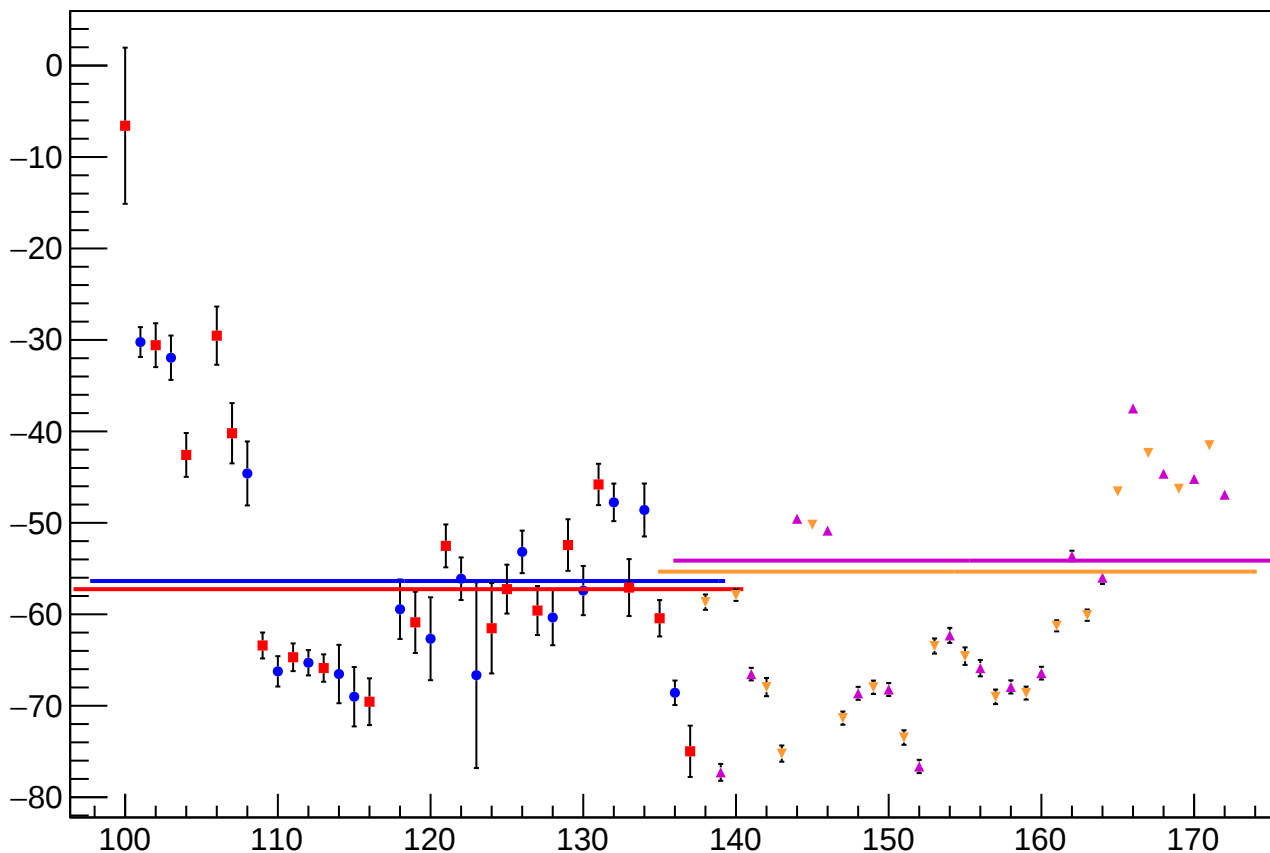
Right: 3.780 ± 0.221 $\chi^2/\text{NDF}: 269.1/35$

In: 3.376 ± 0.100 $\chi^2/\text{NDF}: 845.6/33$

Out: 3.520 ± 0.103 $\chi^2/\text{NDF}: 800.2/36$

All: 3.446 ± 0.071 $\chi^2/\text{NDF}: 1646.8/70$

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -56.362 ± 0.543 χ^2/NDF : 587.2/16

Left Out: -55.333 ± 0.148 χ^2/NDF : 5576.5/17

Right Out: -57.252 ± 0.536 χ^2/NDF : 476.0/18

Left In: -54.131 ± 0.143 χ^2/NDF : 6157.8/16

Left: -54.712 ± 0.103 χ^2/NDF : 11768.3/34

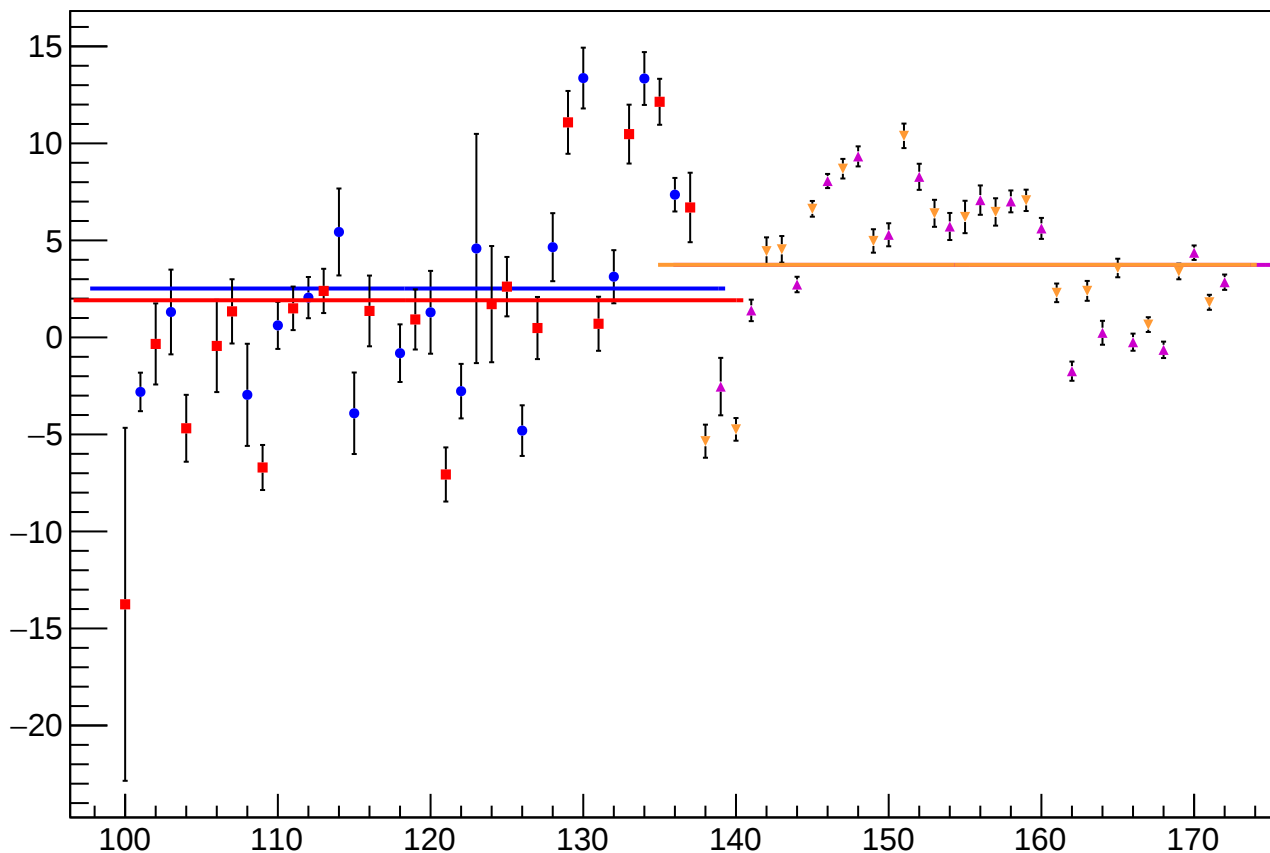
Right: -56.813 ± 0.382 χ^2/NDF : 1064.6/35

In: -54.276 ± 0.139 χ^2/NDF : 6760.8/33

Out: -55.469 ± 0.143 χ^2/NDF : 6064.4/36

All: -54.855 ± 0.100 χ^2/NDF : 12861.1/70

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.520 ± 0.347 χ^2/NDF : 242.3/16

Left Out: 3.741 ± 0.124 χ^2/NDF : 770.2/17

Right Out: 1.914 ± 0.355 χ^2/NDF : 264.5/18

Left In: 3.737 ± 0.122 χ^2/NDF : 777.0/16

Left: 3.739 ± 0.087 χ^2/NDF : 1547.3/34

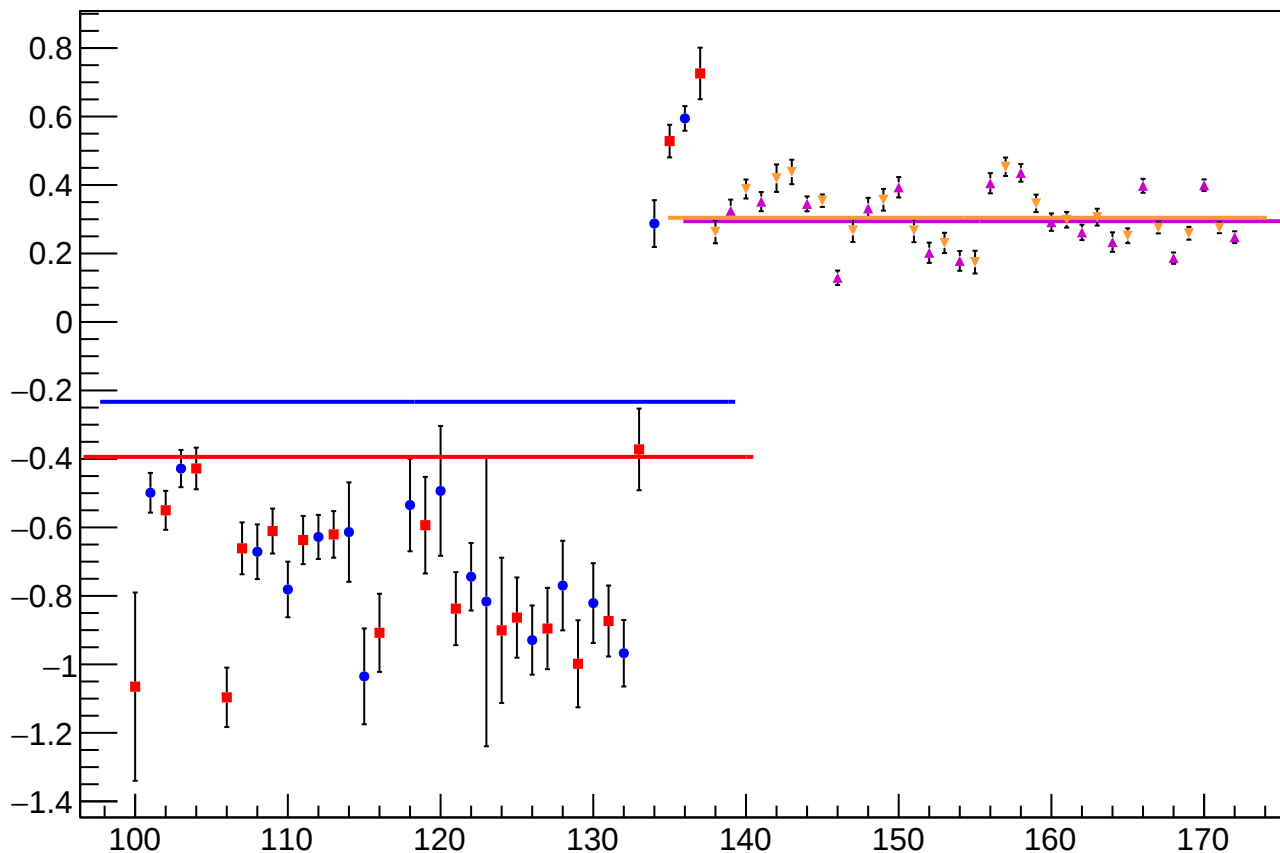
Right: 2.224 ± 0.248 χ^2/NDF : 508.4/35

In: 3.604 ± 0.115 χ^2/NDF : 1030.3/33

Out: 3.541 ± 0.117 χ^2/NDF : 1058.4/36

All: 3.574 ± 0.082 χ^2/NDF : 2088.9/70

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: 0.304 ± 0.006 χ^2/NDF : 118.4/17

Right Out: -0.394 ± 0.019 χ^2/NDF : 845.2/18

Left In: 0.294 ± 0.006 χ^2/NDF : 274.5/16

Left: 0.299 ± 0.004 χ^2/NDF : 394.3/34

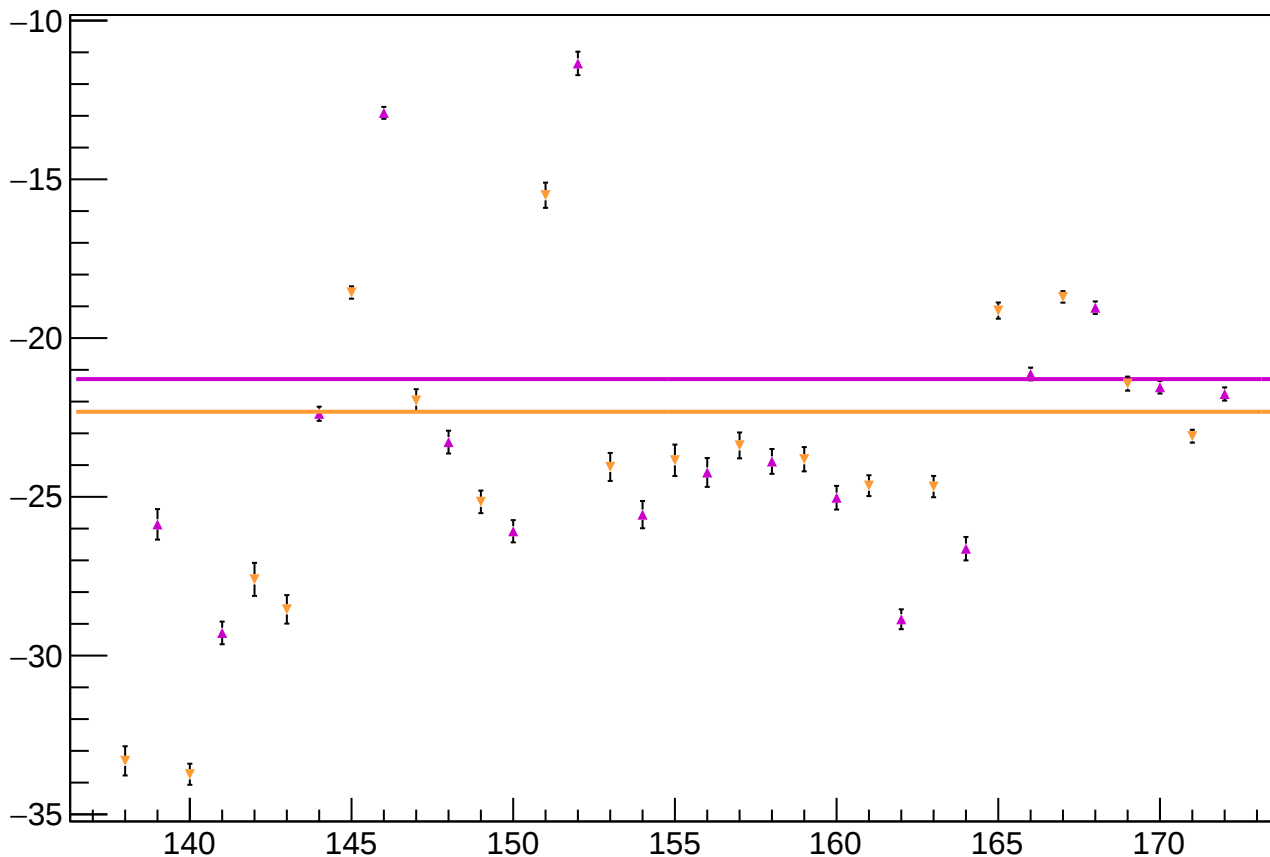
Right: -0.313 ± 0.013 χ^2/NDF : 1838.0/35

In: 0.251 ± 0.005 χ^2/NDF : 1946.3/33

Out: 0.246 ± 0.006 χ^2/NDF : 2201.8/36

All: 0.248 ± 0.004 χ^2/NDF : 4148.6/70

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected

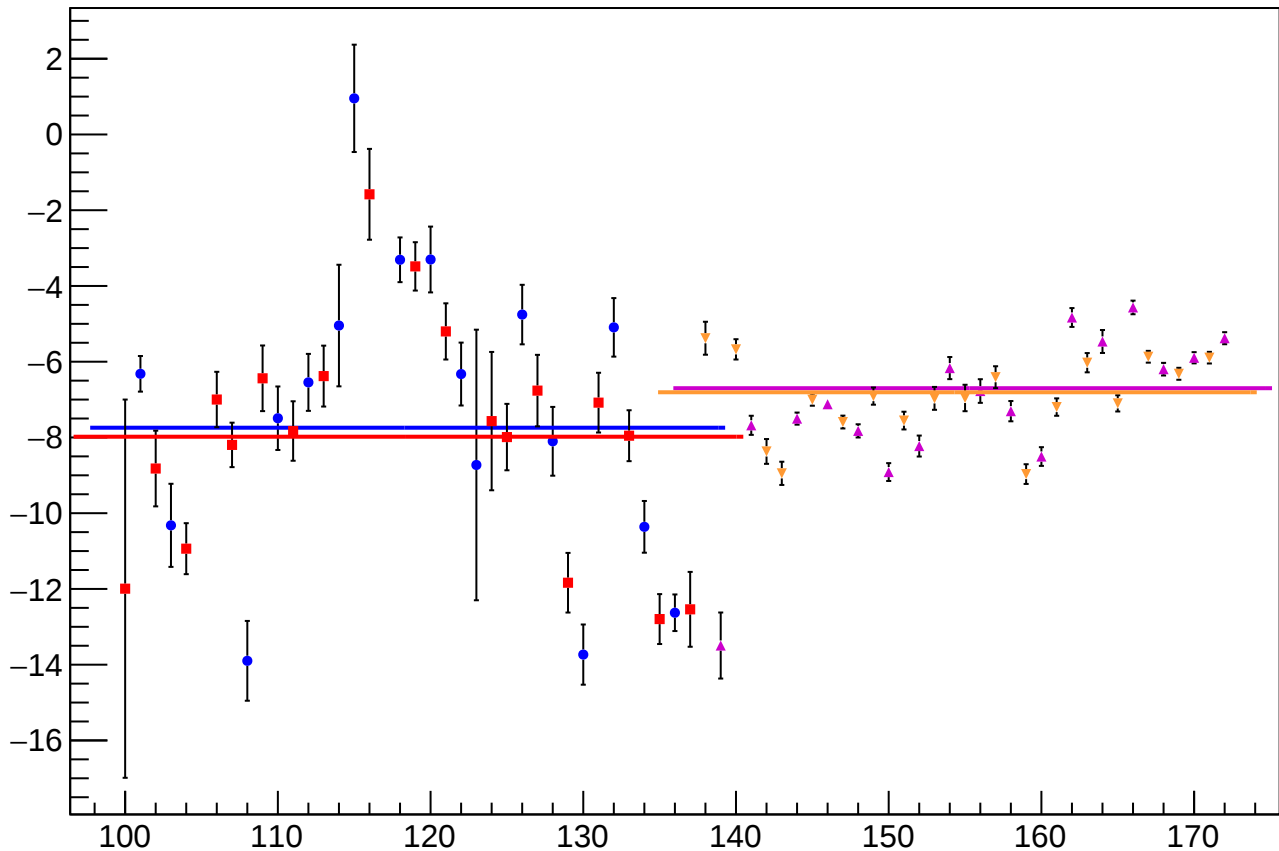


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -22.320+/-0.070 χ^2/NDF :3508.9/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -21.292+/-0.067 χ^2/NDF :4772.5/16

Left: -21.779+/-0.048 χ^2/NDF : 8393.4/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -21.292+/-0.067 χ^2/NDF :4772.5/16
 Out: -22.320+/-0.070 χ^2/NDF :3508.9/17

All: -21.779+/-0.048 χ^2/NDF : 8393.4/34

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.743±/0.187 χ^2/NDF : 377.5/16

Left Out: -6.807±/0.052 χ^2/NDF :300.1/17

Right Out: -7.981±/0.186 χ^2/NDF : 223.5/18

Left In: -6.700±/0.049 χ^2/NDF :657.1/16

Left: -6.750±/0.035 χ^2/NDF : 959.5/34

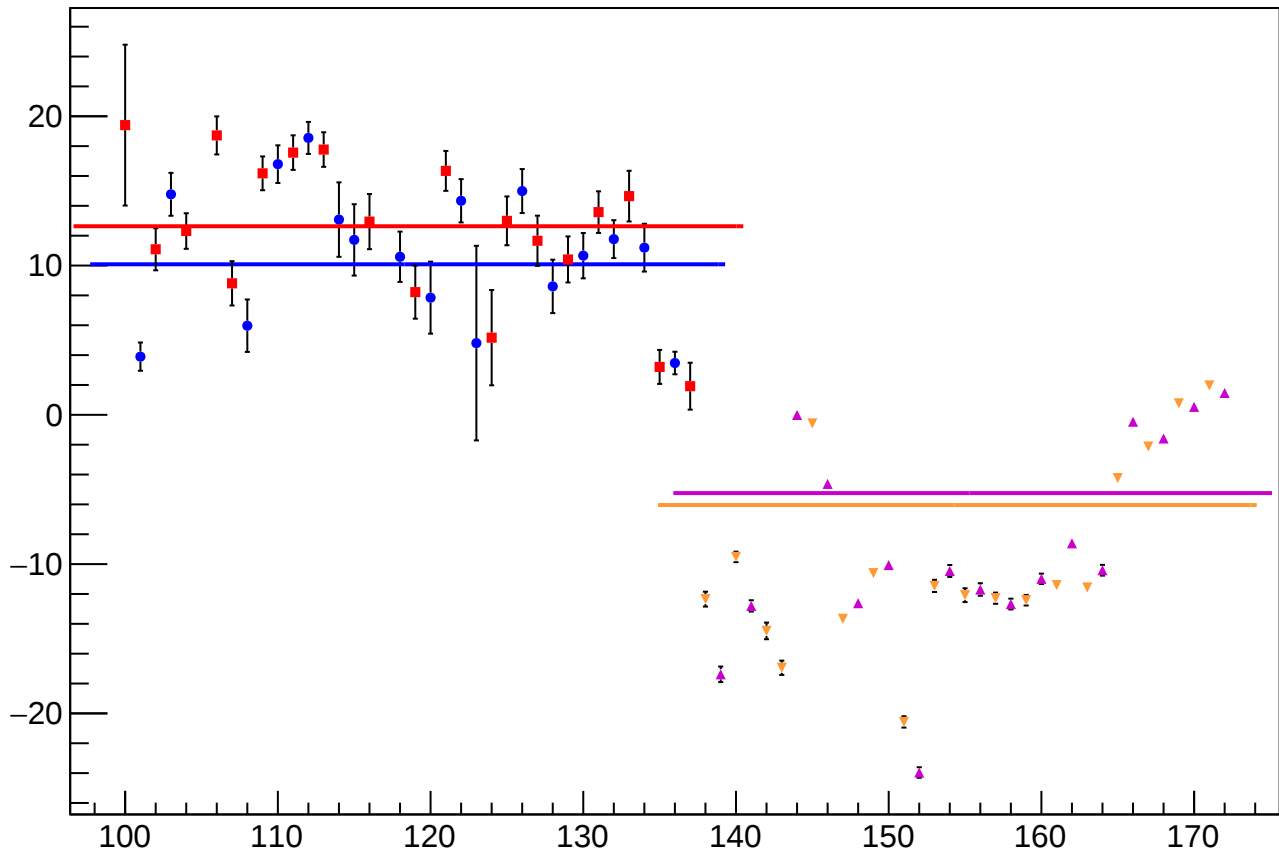
Right: -7.863±/0.132 χ^2/NDF : 601.9/35

In: -6.766±/0.047 χ^2/NDF :1063.7/33

Out: -6.891±/0.050 χ^2/NDF :560.7/36

All: -6.825±/0.034 χ^2/NDF : 1627.8/70

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 10.083 ± 0.338 χ^2/NDF : 252.7/16

Left Out: -6.042 ± 0.070 χ^2/NDF : 8381.7/17

Right Out: 12.632 ± 0.333 χ^2/NDF : 218.6/18

Left In: -5.243 ± 0.066 χ^2/NDF : 9062.3/16

Left: -5.619 ± 0.048 χ^2/NDF : 17512.4/34

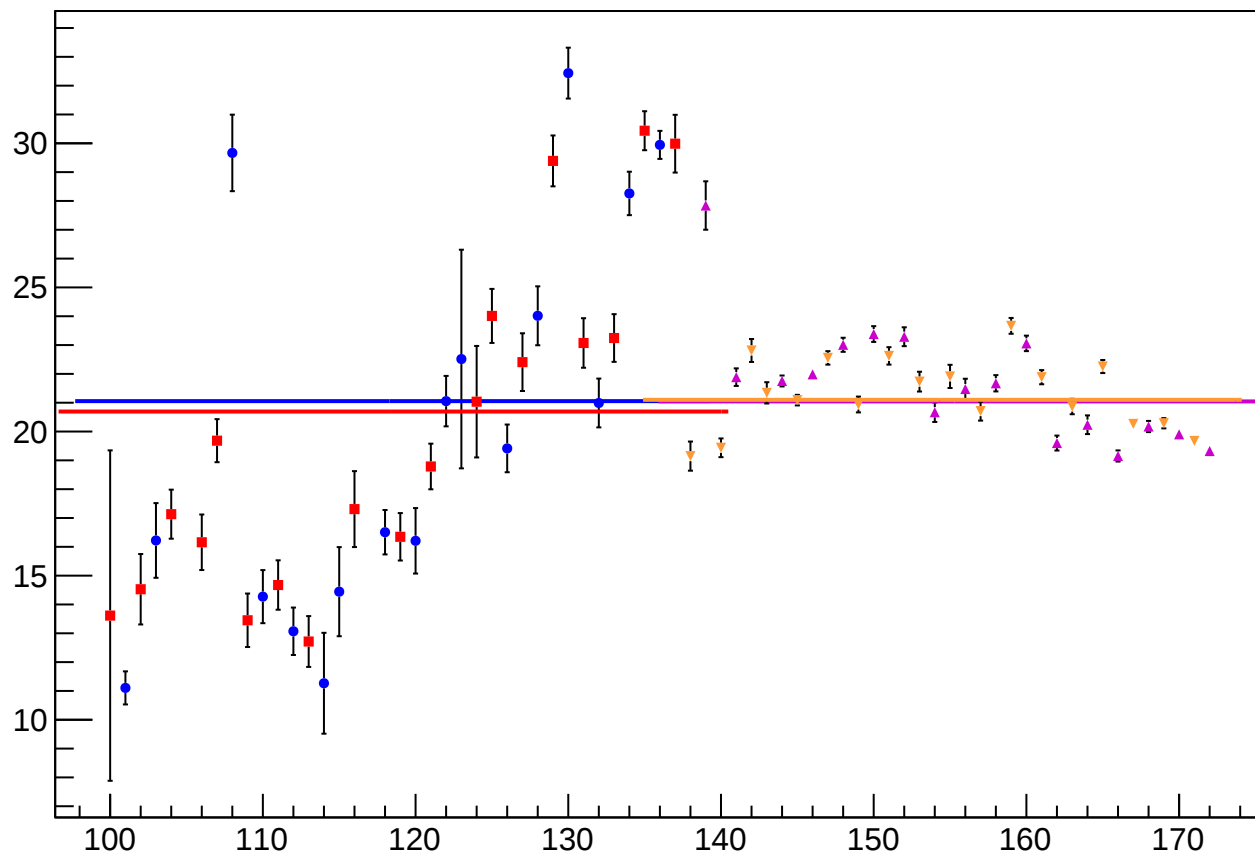
Right: 11.377 ± 0.237 χ^2/NDF : 500.1/35

In: -4.675 ± 0.065 χ^2/NDF : 11295.7/33

Out: -5.244 ± 0.069 χ^2/NDF : 11616.6/36

All: -4.943 ± 0.047 χ^2/NDF : 22948.4/70

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.055 $\pm$ 0.211 χ^2 /NDF: 1211.8/16

Left Out: 21.100 $\pm$ 0.059 χ^2 /NDF:372.0/17

Right Out: 20.694 $\pm$ 0.213 χ^2 /NDF: 724.1/18

Left In: 21.045 $\pm$ 0.056 χ^2 /NDF:676.6/16

Left: 21.071 $\pm$ 0.041 χ^2 /NDF: 1049.1/34

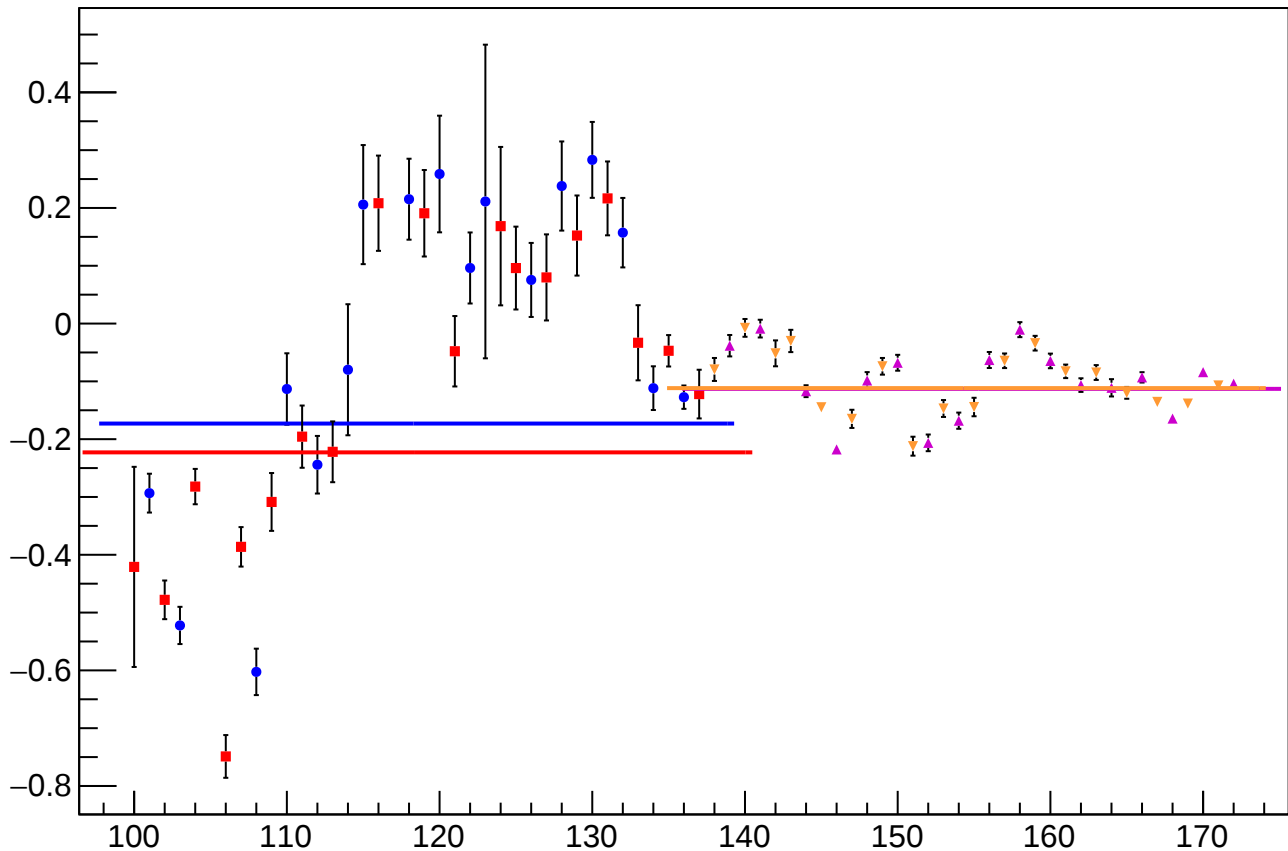
Right: 20.876 $\pm$ 0.150 χ^2 /NDF: 1937.3/35

In: 21.045 $\pm$ 0.054 χ^2 /NDF:1888.4/33

Out: 21.071 $\pm$ 0.057 χ^2 /NDF:1099.5/36

All: 21.058 $\pm$ 0.039 χ^2 /NDF: 2988.0/70

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.173 ± 0.011 χ^2/NDF : 461.8/16

Left Out: -0.112 ± 0.003 χ^2/NDF : 239.9/17

Right Out: -0.223 ± 0.011 χ^2/NDF : 535.1/18

Left In: -0.113 ± 0.003 χ^2/NDF : 444.2/16

Left: -0.112 ± 0.002 χ^2/NDF : 684.2/34

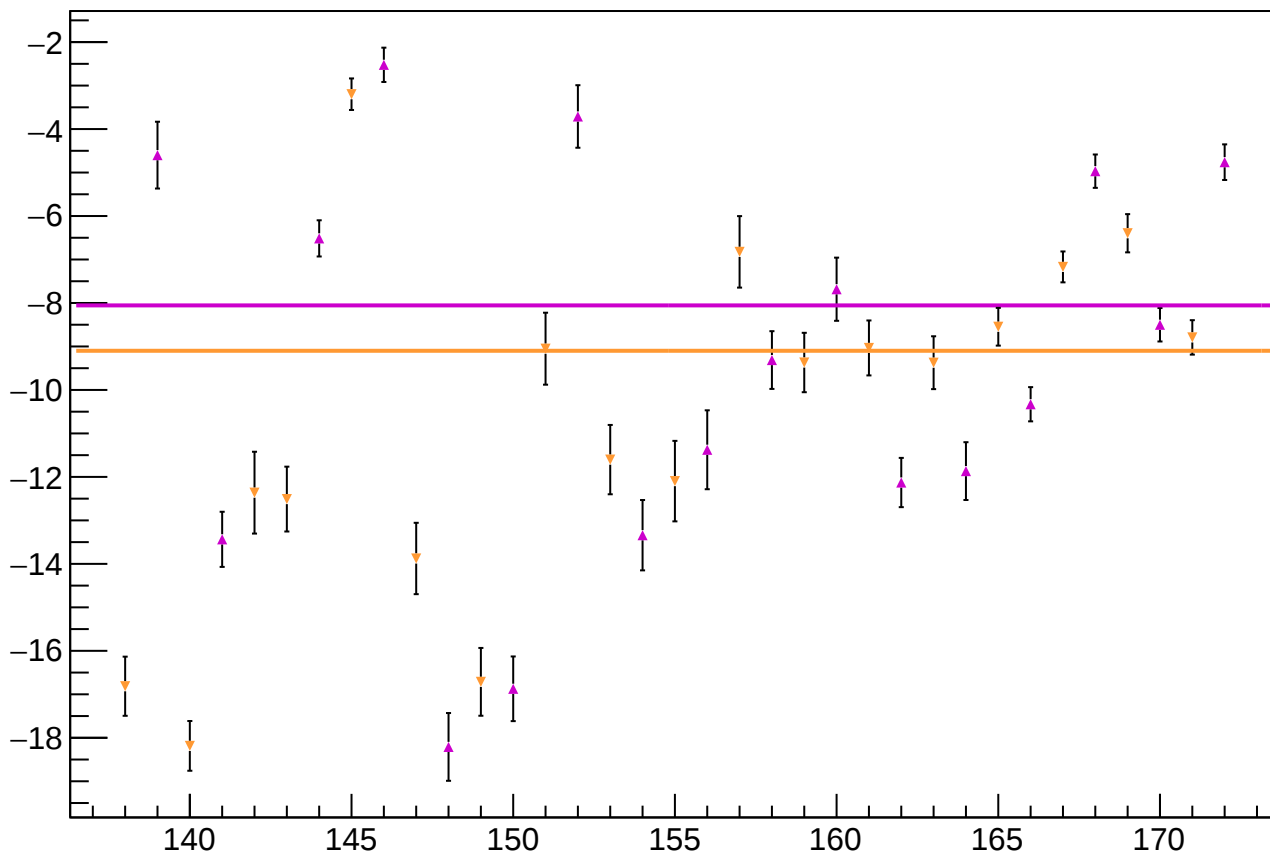
Right: -0.198 ± 0.008 χ^2/NDF : 1007.1/35

In: -0.116 ± 0.003 χ^2/NDF : 933.3/33

Out: -0.118 ± 0.003 χ^2/NDF : 871.9/36

All: -0.117 ± 0.002 χ^2/NDF : 1805.5/70

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: -9.099+/-0.133 χ^2/NDF : 905.8/17

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

Left In: -8.056+/-0.129 χ^2/NDF : 958.2/16

Left: -8.563+/-0.093 χ^2/NDF : 1895.8/34

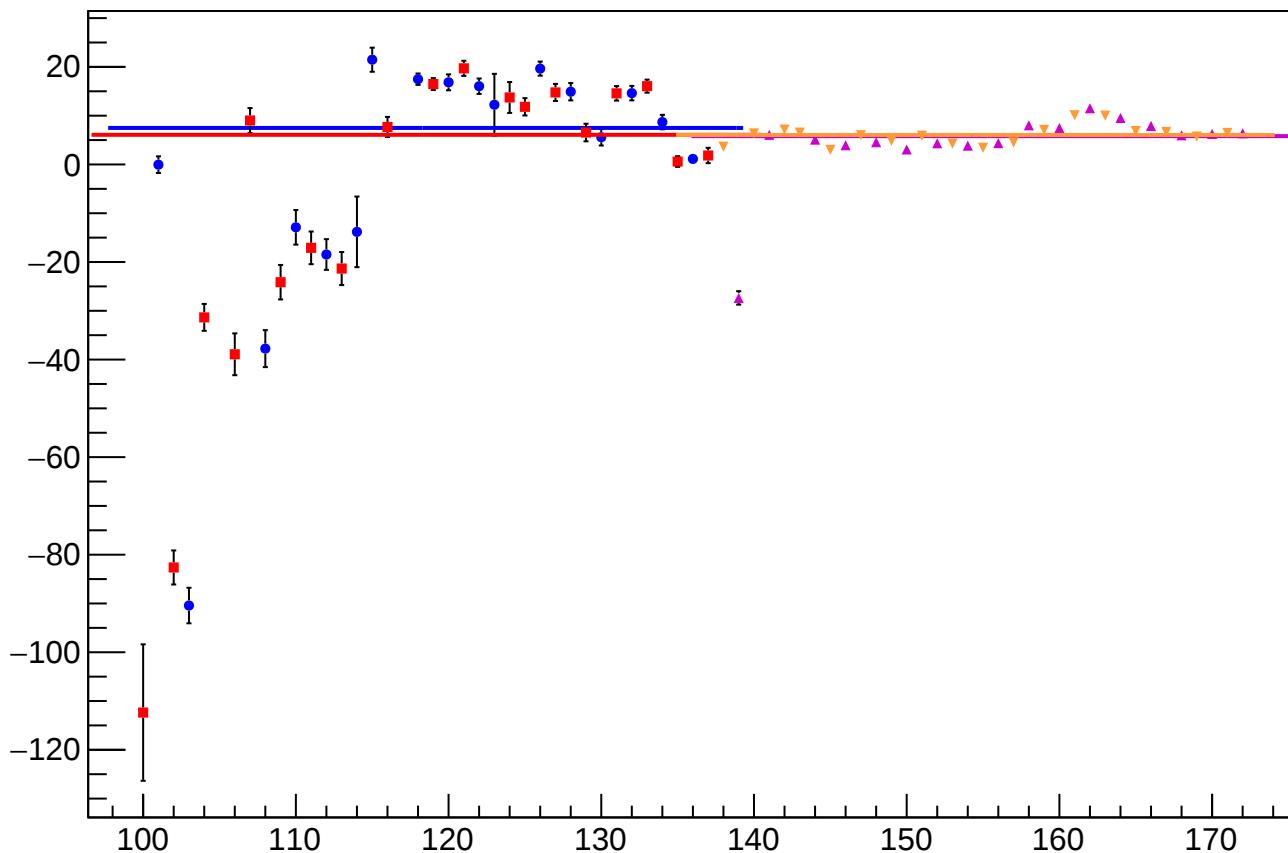
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -8.056+/-0.129 χ^2/NDF : 958.2/16

Out: -9.099+/-0.133 χ^2/NDF : 905.8/17

All: -8.563+/-0.093 χ^2/NDF : 1895.8/34

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: 6.047 ± 0.098 χ^2/NDF : 345.2/17

Right Out: 6.078 ± 0.434 χ^2/NDF : 1512.1/18

Left In: 5.806 ± 0.095 χ^2/NDF : 987.3/16

Left: 5.922 ± 0.068 χ^2/NDF : 1335.6/34

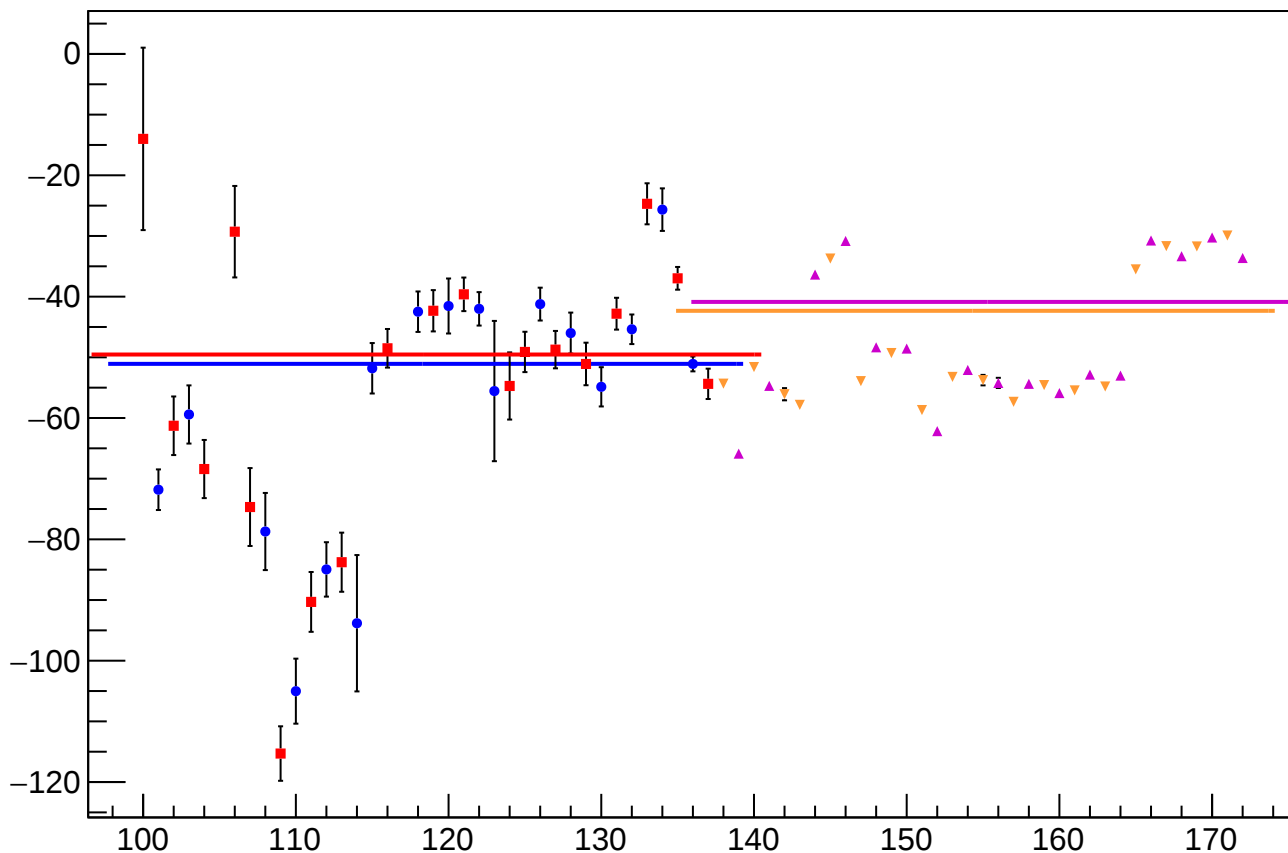
Right: 6.829 ± 0.297 χ^2/NDF : 2858.2/35

In: 5.893 ± 0.093 χ^2/NDF : 2344.0/33

Out: 6.048 ± 0.096 χ^2/NDF : 1857.3/36

All: 5.968 ± 0.067 χ^2/NDF : 4202.7/70

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: -42.336 ± 0.133 χ^2/NDF : 7049.1/17

Right Out: -49.537 ± 0.798 χ^2/NDF : 509.6/18

Left In: -40.867 ± 0.128 χ^2/NDF : 7675.7/16

Left: -41.574 ± 0.092 χ^2/NDF : 14787.9/34

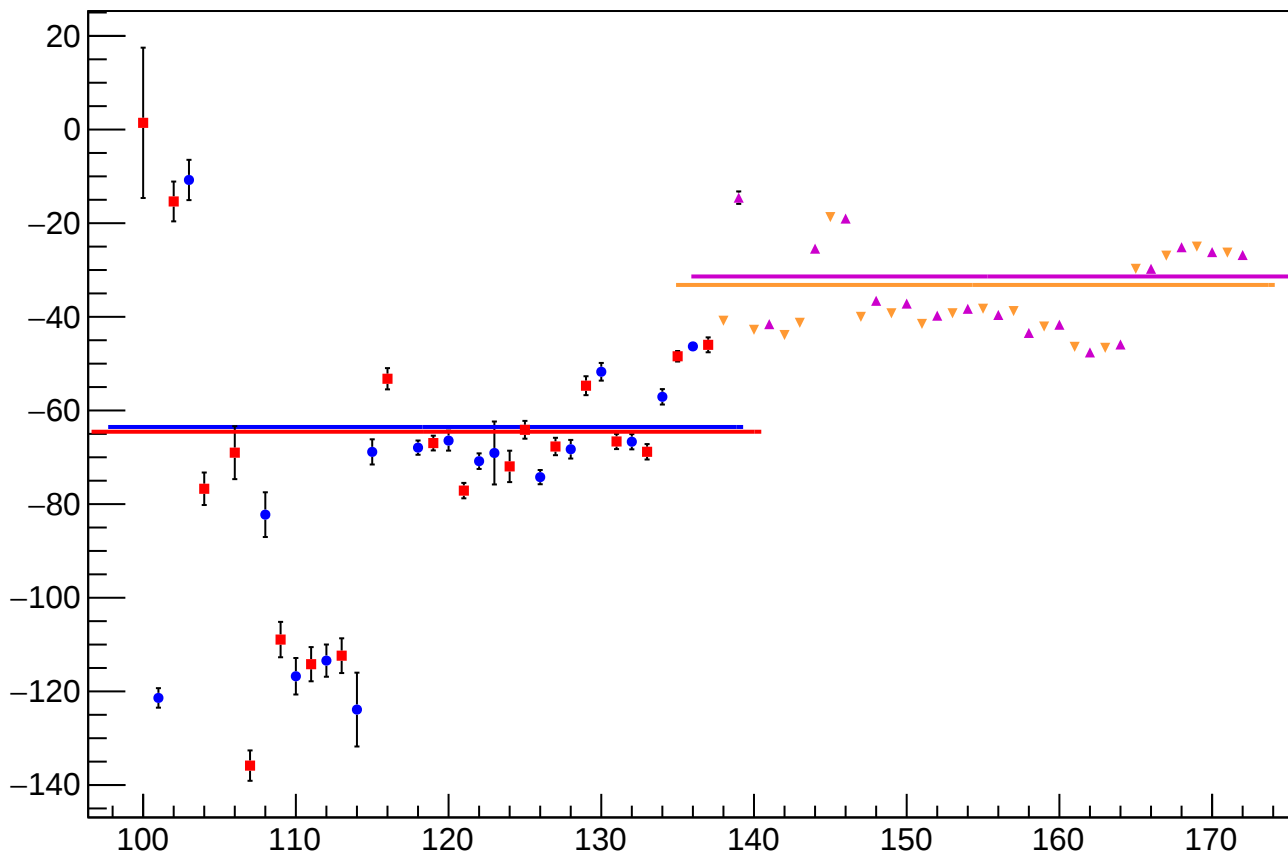
Right: -50.365 ± 0.543 χ^2/NDF : 841.8/35

In: -41.164 ± 0.126 χ^2/NDF : 8190.3/33

Out: -42.530 ± 0.131 χ^2/NDF : 7637.8/36

All: -41.821 ± 0.091 χ^2/NDF : 15884.3/70

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: -33.189 ± 0.112 χ^2/NDF : 6600.5/17

Right Out: -64.540 ± 0.483 χ^2/NDF : 1603.1/18

Left In: -31.378 ± 0.109 χ^2/NDF : 6540.6/16

Left: -32.260 ± 0.078 χ^2/NDF : 13274.8/34

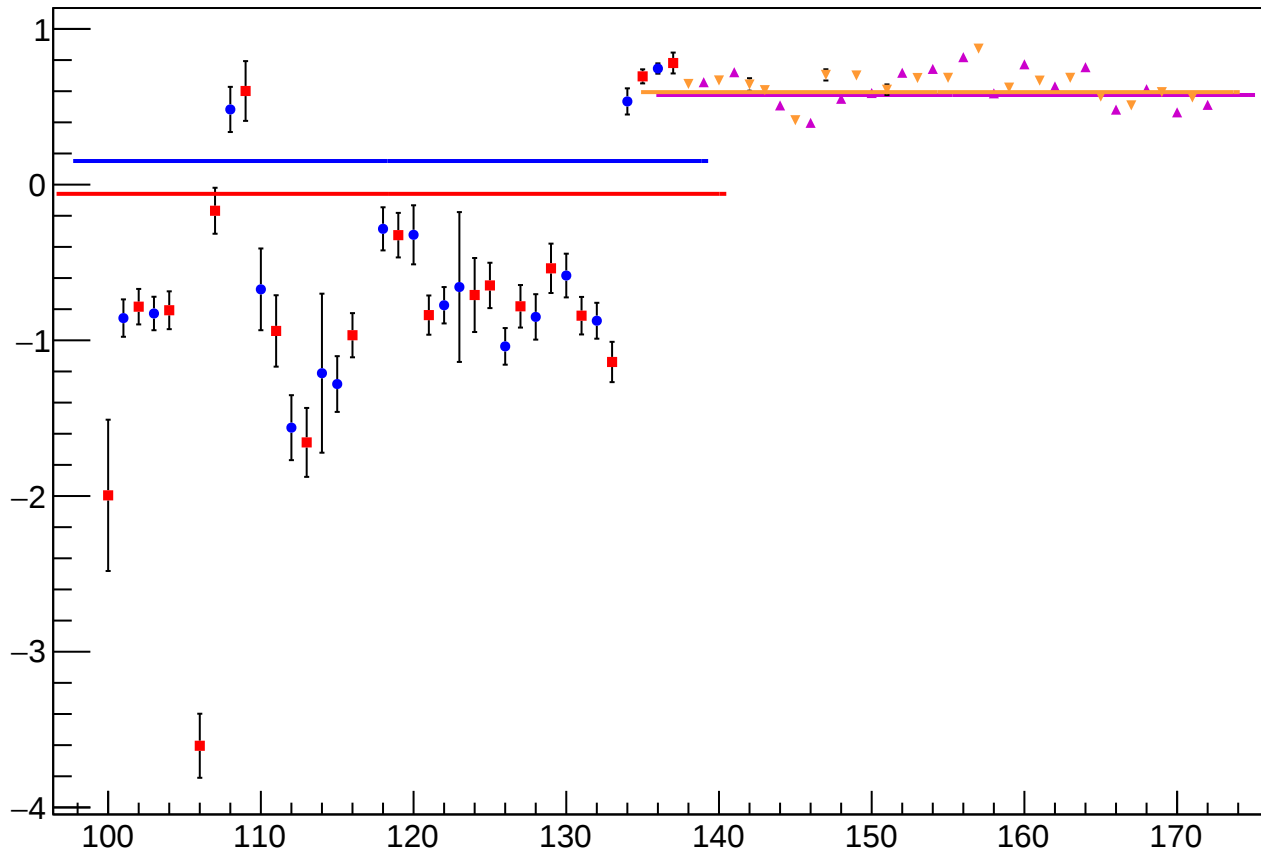
Right: -63.995 ± 0.329 χ^2/NDF : 3616.4/35

In: -33.177 ± 0.106 χ^2/NDF : 13398.0/33

Out: -34.792 ± 0.109 χ^2/NDF : 12202.0/36

All: -33.961 ± 0.076 χ^2/NDF : 25712.5/70

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.152 $\pm$ 0.024 χ^2 /NDF: 987.4/16

Left Out: 0.594 $\pm$ 0.005 χ^2 /NDF:386.4/17

Right Out: -0.059 $\pm$ 0.026 χ^2 /NDF: 1161.9/18

Left In: 0.576 $\pm$ 0.005 χ^2 /NDF:523.1/16

Left: 0.585 $\pm$ 0.004 χ^2 /NDF: 916.0/34

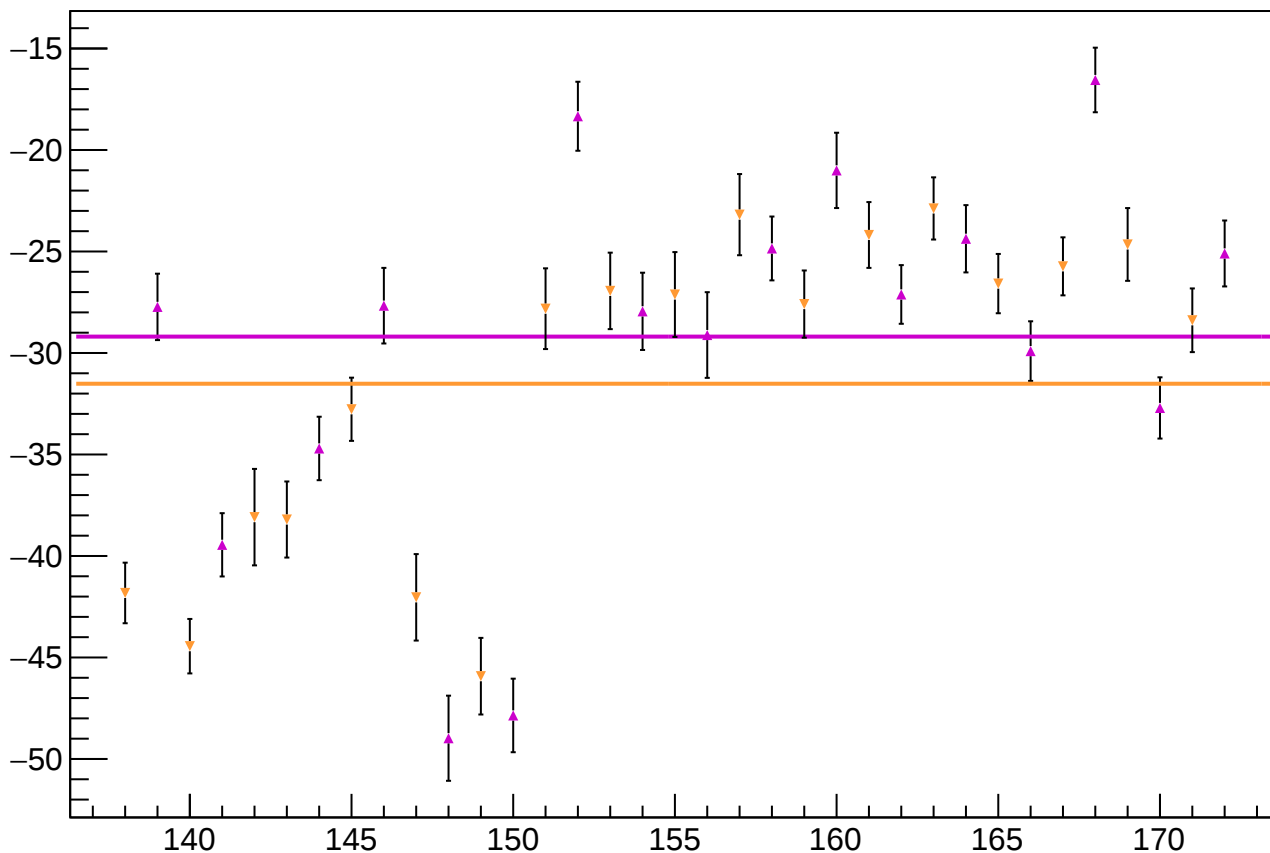
Right: 0.056 $\pm$ 0.018 χ^2 /NDF: 2184.3/35

In: 0.558 $\pm$ 0.005 χ^2 /NDF:1808.6/33

Out: 0.570 $\pm$ 0.005 χ^2 /NDF:2142.9/36

All: 0.564 $\pm$ 0.004 χ^2 /NDF: 3954.4/70

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -31.515 $\pm$ 0.400 χ^2 /NDF:379.7/17

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

Left In: -29.193 $\pm$ 0.406 χ^2 /NDF:406.3/16

Left: -30.369 $\pm$ 0.285 χ^2 /NDF: 802.6/34

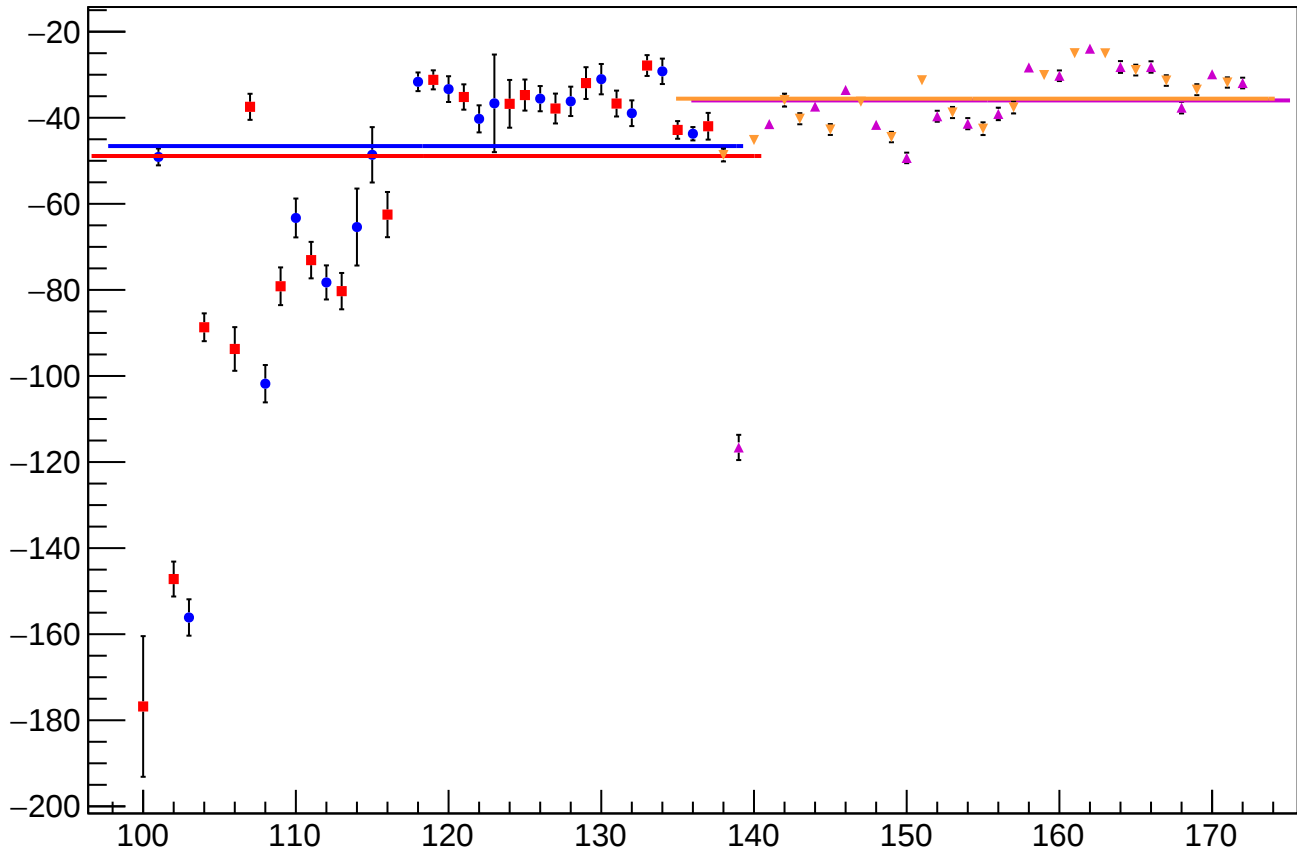
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -29.193 $\pm$ 0.406 χ^2 /NDF:406.3/16

Out: -31.515 $\pm$ 0.400 χ^2 /NDF:379.7/17

All: -30.369 $\pm$ 0.285 χ^2 /NDF: 802.6/34

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -46.579 ± 0.730 $\chi^2/\text{NDF}: 1076.4/16$

Left Out: -35.565 ± 0.291 $\chi^2/\text{NDF}: 542.3/17$

Right Out: -48.888 ± 0.763 $\chi^2/\text{NDF}: 1277.5/18$

Left In: -35.973 ± 0.299 $\chi^2/\text{NDF}: 1255.8/16$

Left: -35.763 ± 0.209 $\chi^2/\text{NDF}: 1799.1/34$

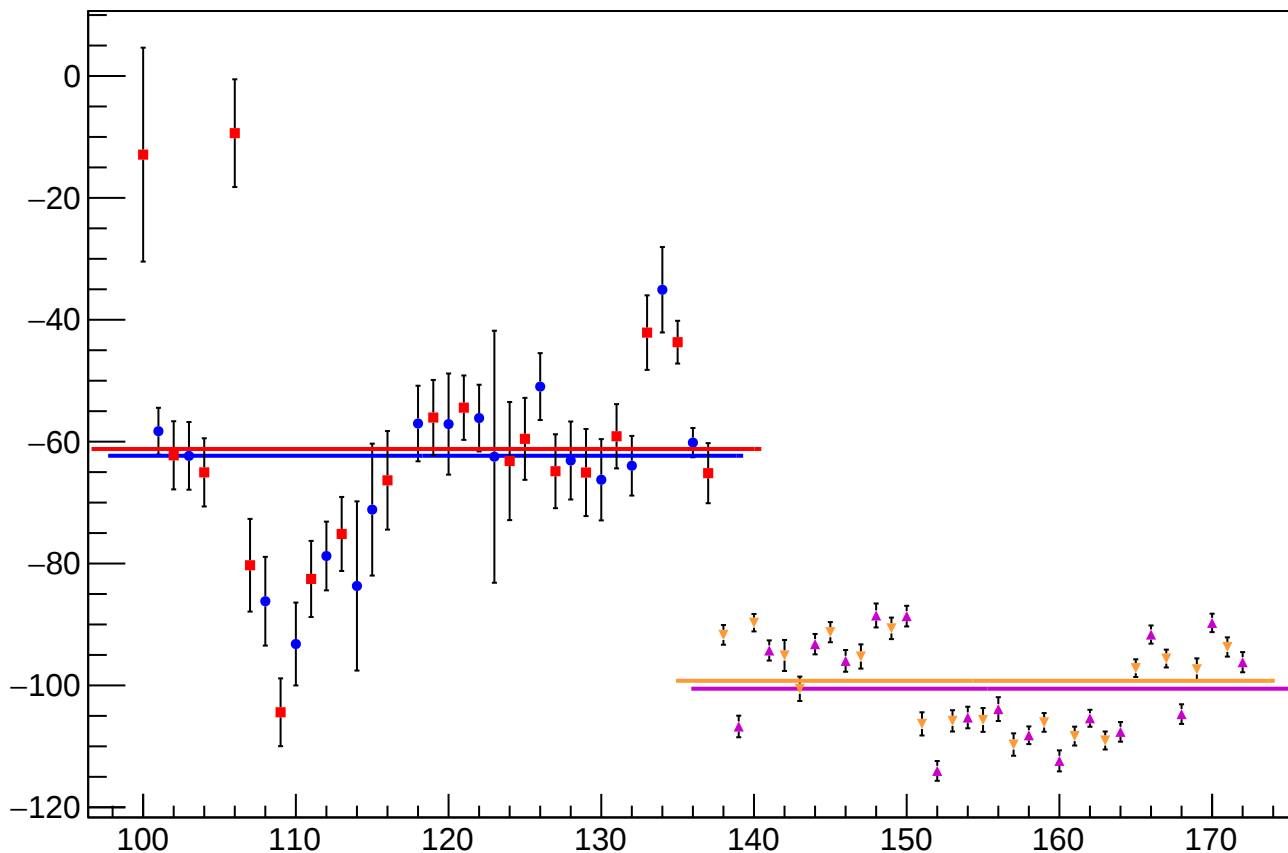
Right: -47.681 ± 0.527 $\chi^2/\text{NDF}: 2358.7/35$

In: -37.501 ± 0.277 $\chi^2/\text{NDF}: 2513.0/33$

Out: -37.257 ± 0.272 $\chi^2/\text{NDF}: 2085.7/36$

All: -37.377 ± 0.194 $\chi^2/\text{NDF}: 4599.1/70$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -62.315 ± 1.316 $\chi^2/\text{NDF}: 67.1/16$
 Left Out: -99.242 ± 0.397 $\chi^2/\text{NDF}: 311.3/17$
 Right Out: -61.203 ± 1.381 $\chi^2/\text{NDF}: 165.0/18$
 Left In: -100.539 ± 0.399 $\chi^2/\text{NDF}: 424.1/16$

Left: -99.887 ± 0.282 $\chi^2/\text{NDF}: 740.7/34$

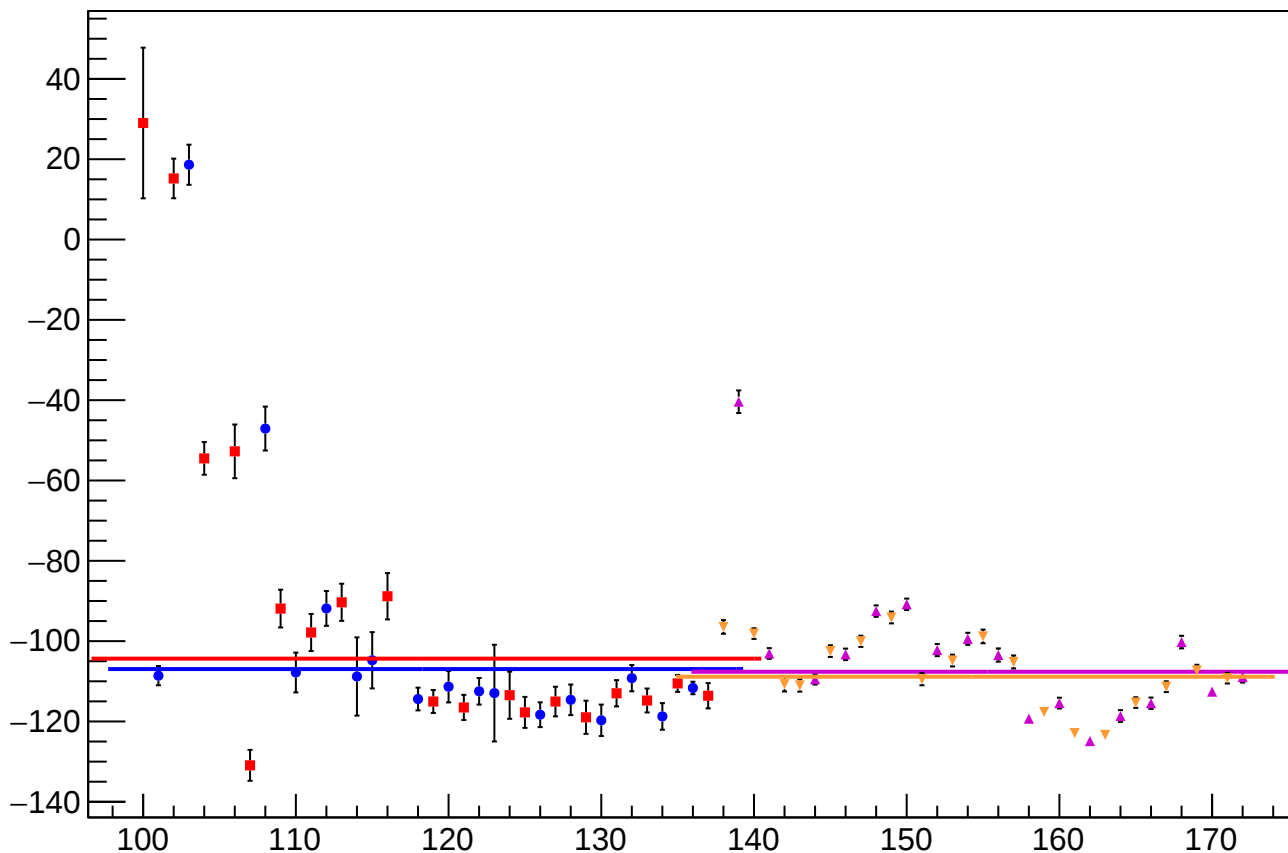
Right: -61.786 ± 0.953 $\chi^2/\text{NDF}: 232.5/35$

In: -97.313 ± 0.382 $\chi^2/\text{NDF}: 1264.1/33$

Out: -96.332 ± 0.382 $\chi^2/\text{NDF}: 1177.0/36$

All: -96.822 ± 0.270 $\chi^2/\text{NDF}: 2444.4/70$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -106.954 ± 0.817 $\chi^2/\text{NDF}: 827.2/16$

Left Out: -108.863 ± 0.334 $\chi^2/\text{NDF}: 686.0/17$

Right Out: -104.356 ± 0.861 $\chi^2/\text{NDF}: 1021.0/18$

Left In: -107.621 ± 0.341 $\chi^2/\text{NDF}: 1363.2/16$

Left: -108.255 ± 0.239 $\chi^2/\text{NDF}: 2056.0/34$

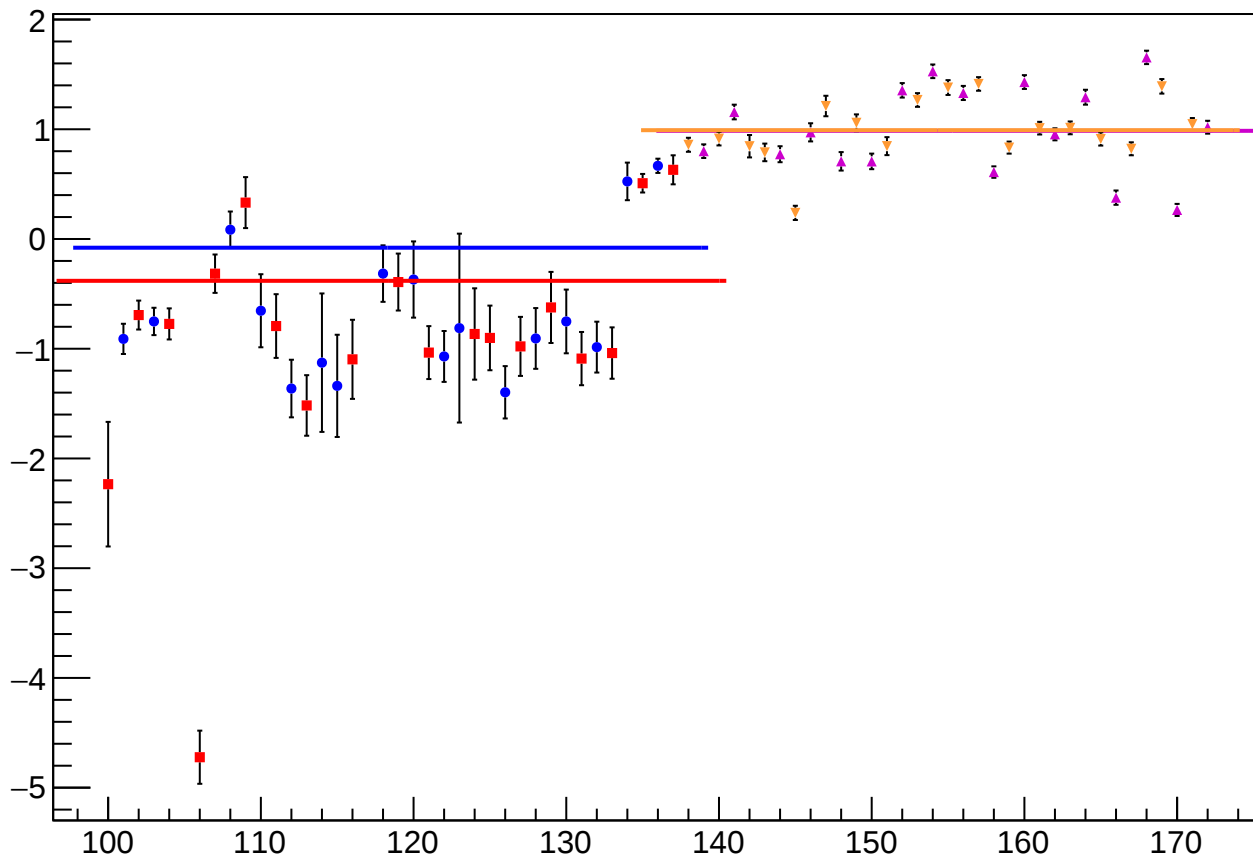
Right: -105.723 ± 0.593 $\chi^2/\text{NDF}: 1853.0/35$

In: -107.522 ± 0.315 $\chi^2/\text{NDF}: 2191.0/33$

Out: -108.273 ± 0.312 $\chi^2/\text{NDF}: 1730.8/36$

All: -107.901 ± 0.222 $\chi^2/\text{NDF}: 3924.7/70$

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.079 ± 0.042 χ^2/NDF : 328.5/16

Left Out: 0.991 ± 0.015 χ^2/NDF : 313.1/17

Right Out: -0.381 ± 0.044 χ^2/NDF : 580.5/18

Left In: 0.986 ± 0.015 χ^2/NDF : 687.1/16

Left: 0.989 ± 0.011 χ^2/NDF : 1000.2/34

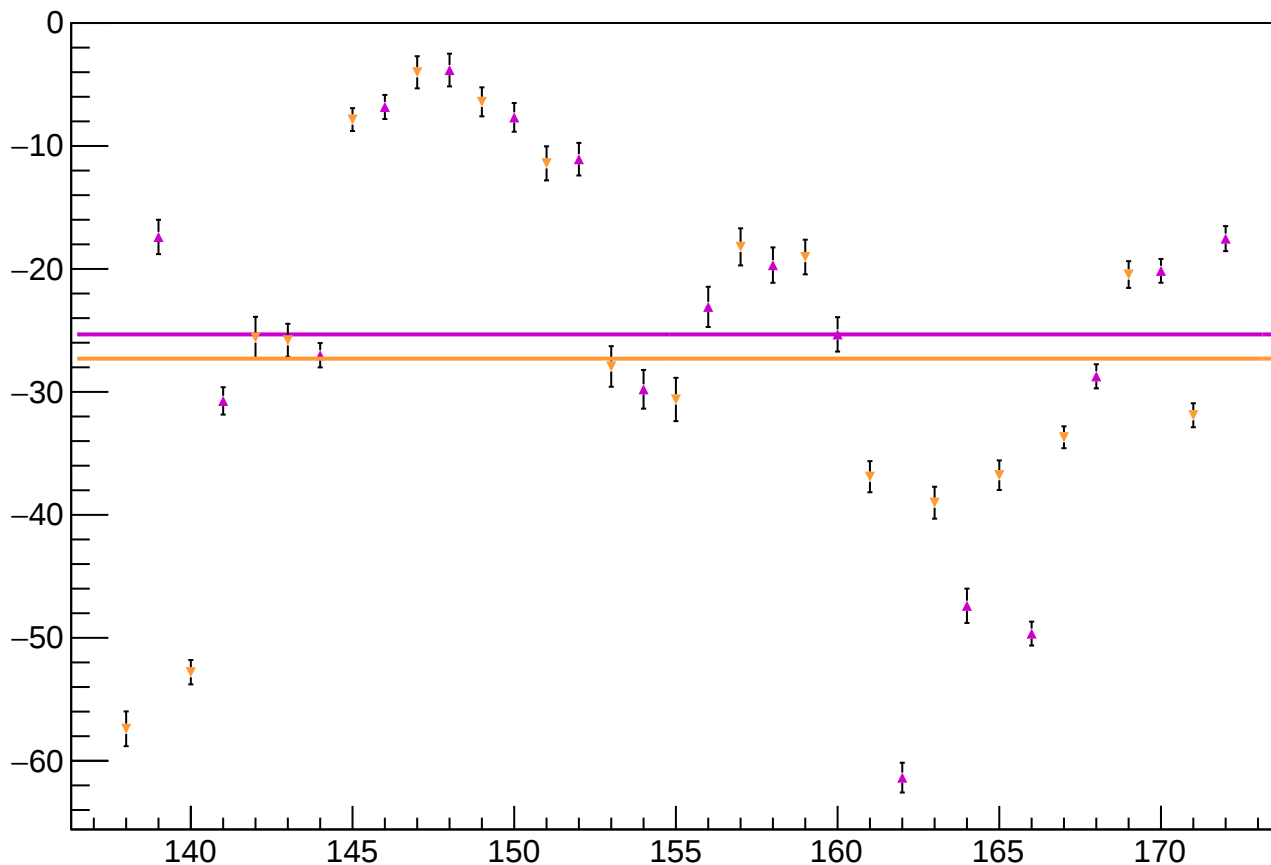
Right: -0.224 ± 0.030 χ^2/NDF : 933.5/35

In: 0.860 ± 0.015 χ^2/NDF : 1575.5/33

Out: 0.841 ± 0.015 χ^2/NDF : 1759.8/36

All: 0.850 ± 0.010 χ^2/NDF : 3336.1/70

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -27.293 $\pm$ 0.287 χ^2 /NDF:2708.0/17

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

Left In: -25.325 $\pm$ 0.285 χ^2 /NDF:2909.7/16

Left: -26.299 $\pm$ 0.202 χ^2 /NDF: 5641.3/34

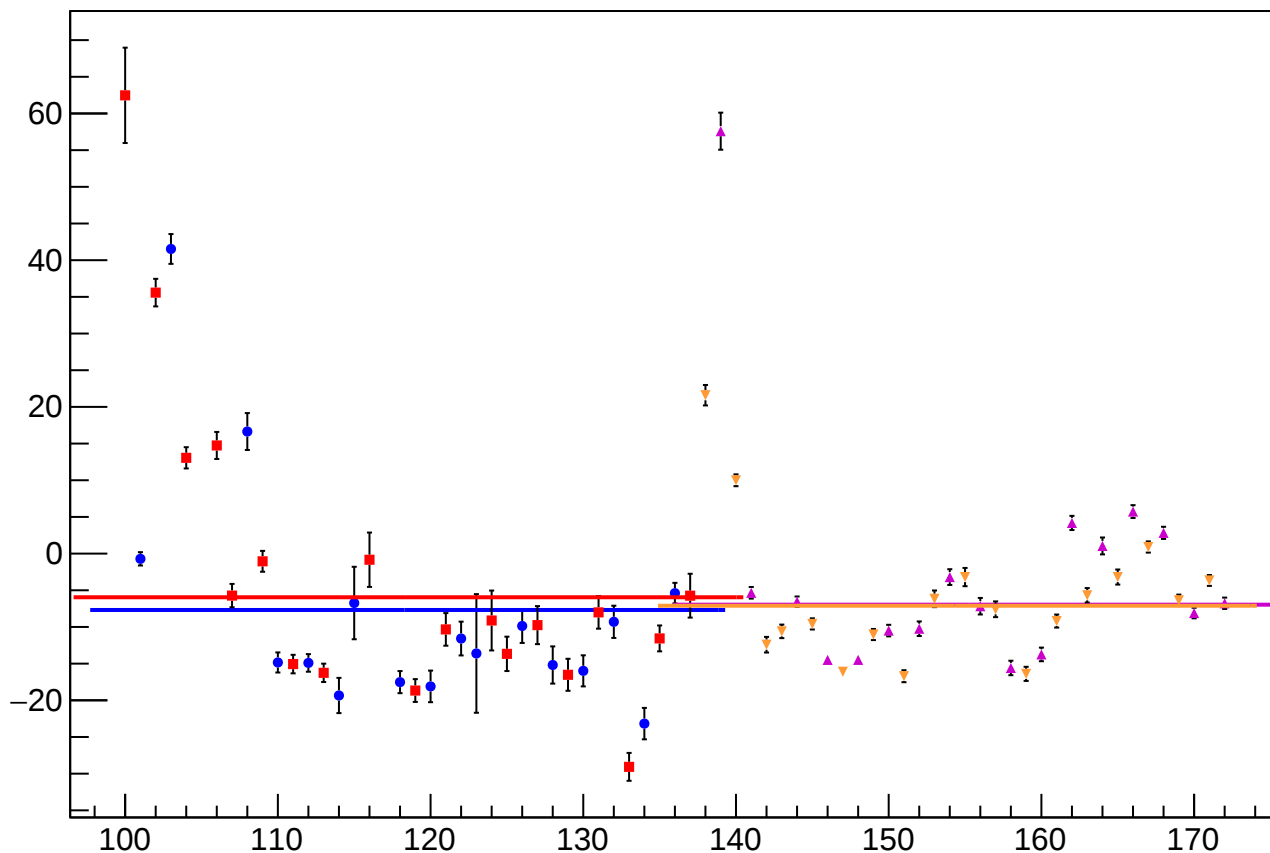
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -25.325 $\pm$ 0.285 χ^2 /NDF:2909.7/16

Out: -27.293 $\pm$ 0.287 χ^2 /NDF:2708.0/17

All: -26.299 $\pm$ 0.202 χ^2 /NDF: 5641.3/34

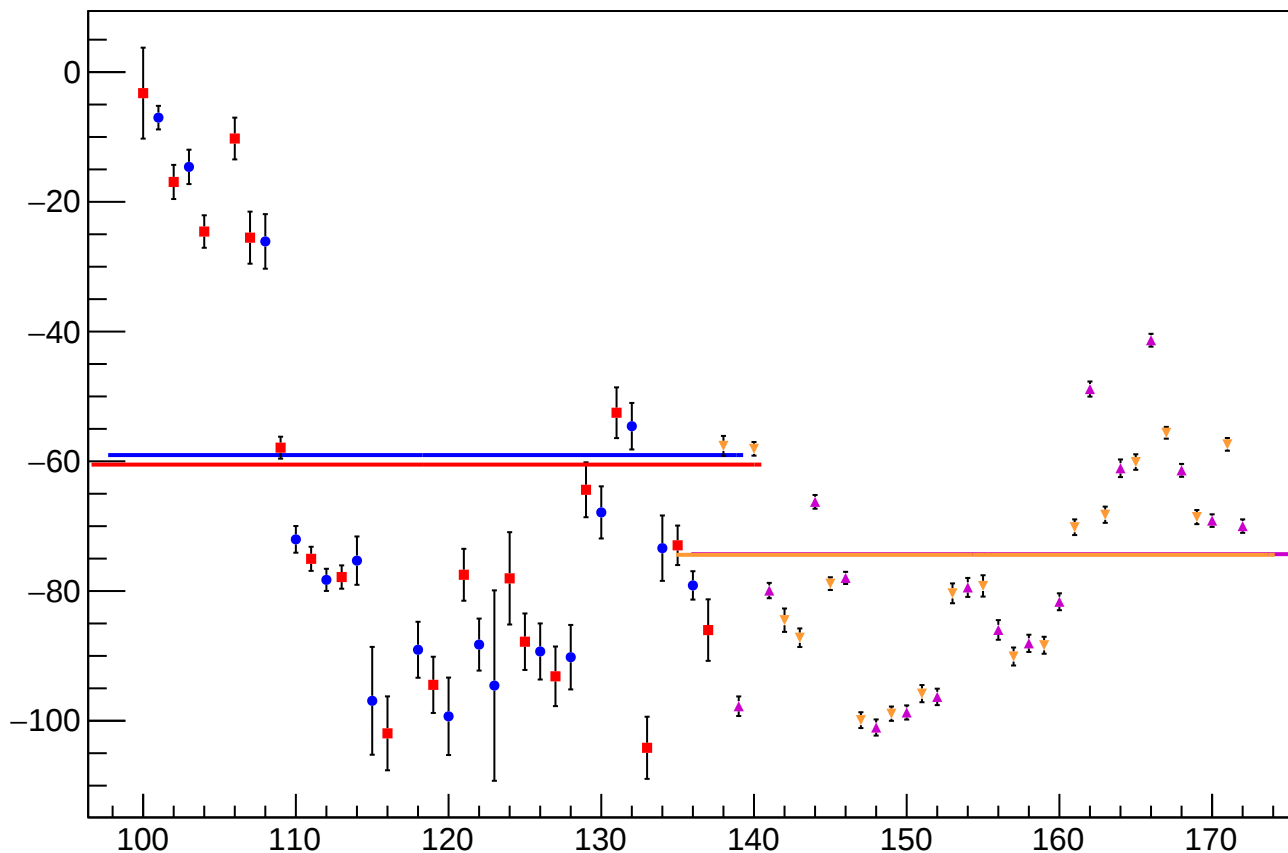
reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.686 ± 0.430 χ^2/NDF : 975.9/16
 Left Out: -7.105 ± 0.207 χ^2/NDF : 1553.2/17
 Right Out: -5.953 ± 0.429 χ^2/NDF : 1298.1/18
 Left In: -6.964 ± 0.207 χ^2/NDF : 1645.8/16

Left: -7.035 ± 0.146 χ^2/NDF : 3199.2/34
 Right: -6.817 ± 0.304 χ^2/NDF : 2282.2/35
 In: -7.100 ± 0.186 χ^2/NDF : 2624.0/33
 Out: -6.888 ± 0.186 χ^2/NDF : 2857.2/36
 All: -6.994 ± 0.132 χ^2/NDF : 5481.8/70

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.039 ± 0.746 χ^2/NDF : 1709.5/16

Left Out: -74.414 ± 0.286 χ^2/NDF : 2885.3/17

Right Out: -60.507 ± 0.704 χ^2/NDF : 1384.8/18

Left In: -74.313 ± 0.281 χ^2/NDF : 3706.5/16

Left: -74.362 ± 0.201 χ^2/NDF : 6591.8/34

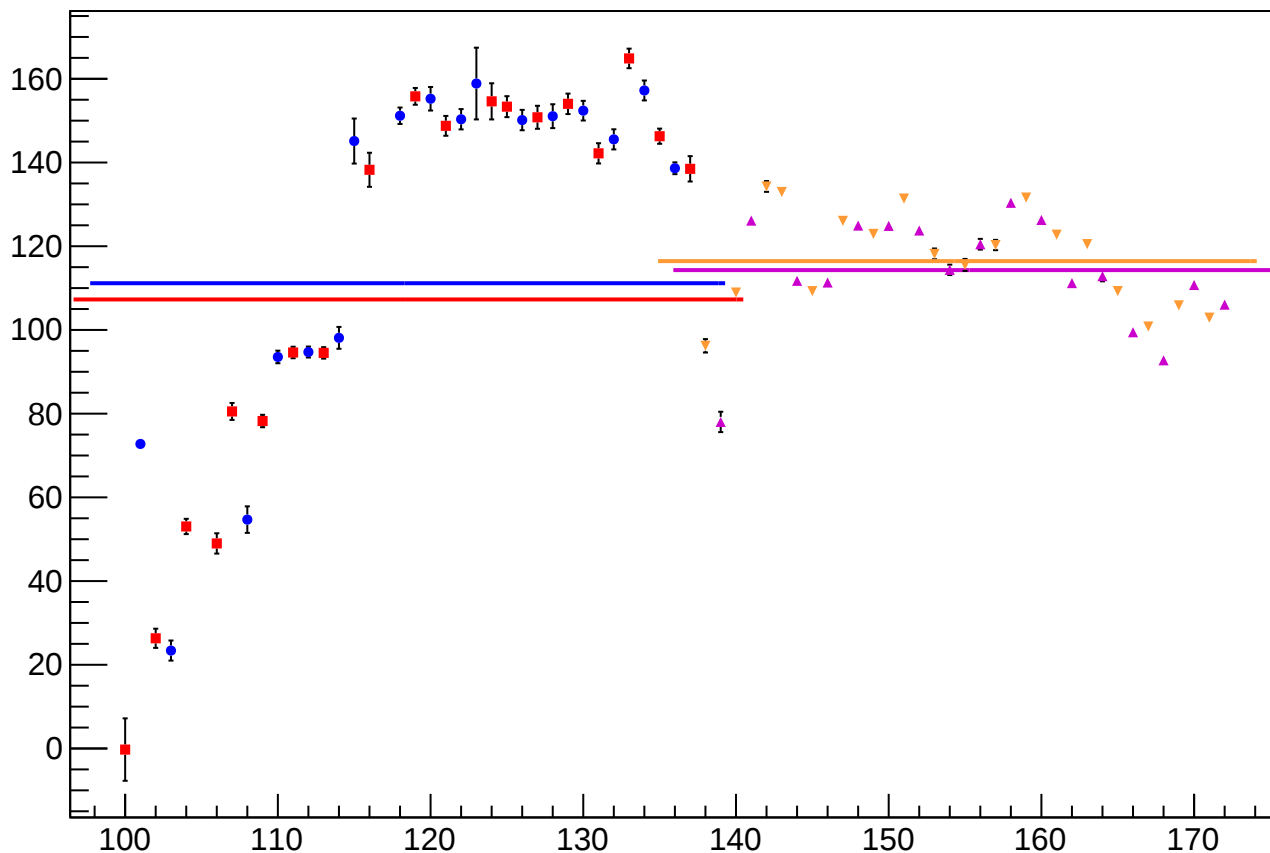
Right: -59.815 ± 0.512 χ^2/NDF : 3096.4/35

In: -72.410 ± 0.263 χ^2/NDF : 5783.3/33

Out: -72.447 ± 0.265 χ^2/NDF : 4604.7/36

All: -72.428 ± 0.187 χ^2/NDF : 10388.0/70

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: 116.444+/-0.239 χ^2/NDF :2182.6/17

Right Out: 107.283+/-0.488 χ^2/NDF : 7055.1/18

Left In: 114.294+/-0.239 χ^2/NDF :2011.6/16

Left: 115.367+/-0.169 χ^2/NDF : 4234.7/34

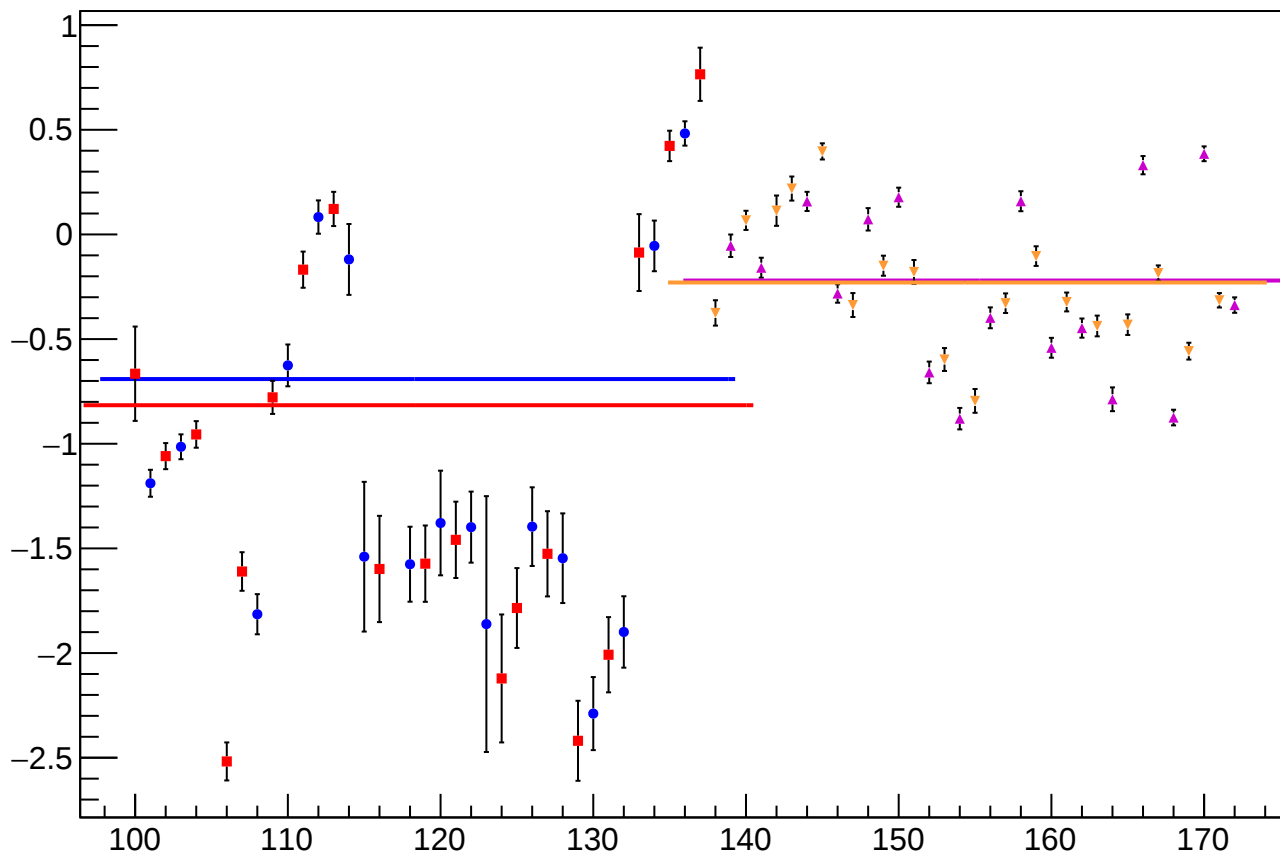
Right: 109.217+/-0.345 χ^2/NDF : 12964.2/35

In: 113.691+/-0.215 χ^2/NDF :7922.4/33

Out: 114.666+/-0.215 χ^2/NDF :9522.1/36

All: 114.178+/-0.152 χ^2/NDF : 17454.8/70

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.691 ± 0.026 χ^2/NDF : 990.9/16

Left Out: -0.230 ± 0.011 χ^2/NDF : 670.3/17

Right Out: -0.816 ± 0.024 χ^2/NDF : 1304.4/18

Left In: -0.220 ± 0.011 χ^2/NDF : 1440.1/16

Left: -0.225 ± 0.008 χ^2/NDF : 2110.8/34

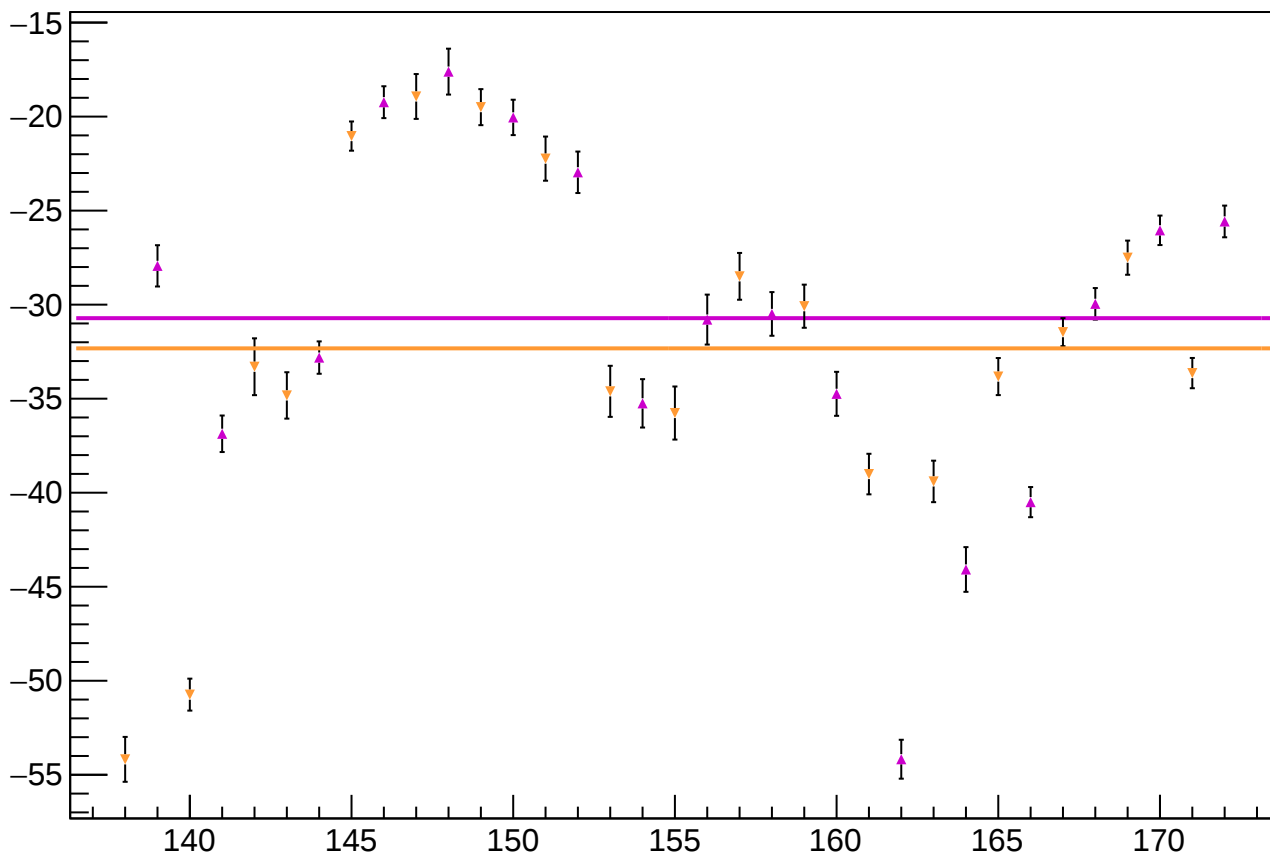
Right: -0.757 ± 0.018 χ^2/NDF : 2307.7/35

In: -0.293 ± 0.010 χ^2/NDF : 2712.1/33

Out: -0.331 ± 0.010 χ^2/NDF : 2453.4/36

All: -0.312 ± 0.007 χ^2/NDF : 5172.6/70

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -32.325+/-0.242 χ^2/NDF :1535.7/17

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

Left In: -30.719+/-0.239 χ^2/NDF :1416.7/16

Left: -31.511+/-0.170 χ^2/NDF : 2974.8/34

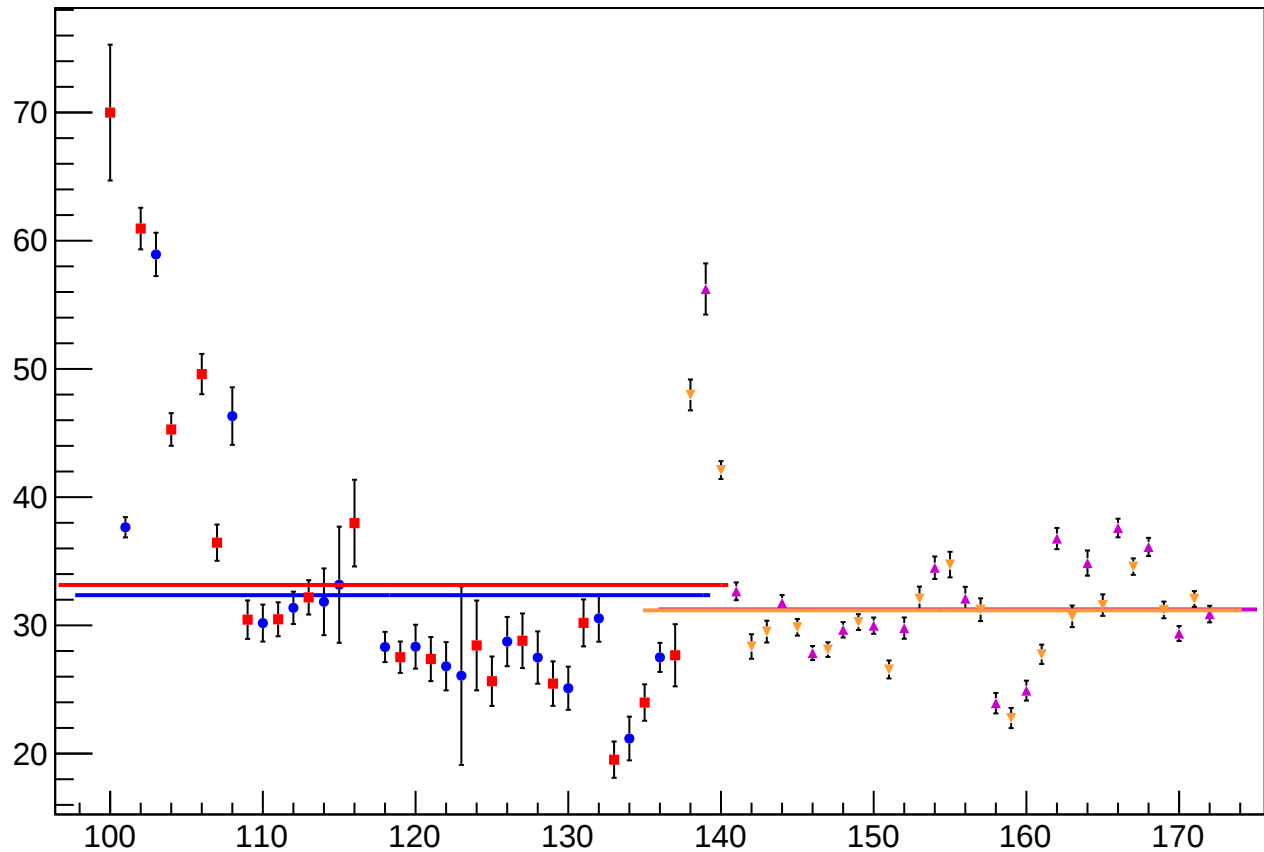
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.719+/-0.239 χ^2/NDF :1416.7/16

Out: -32.325+/-0.242 χ^2/NDF :1535.7/17

All: -31.511+/-0.170 χ^2/NDF : 2974.8/34

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.355+/-0.375 χ^2/NDF : 450.5/16

Left Out: 31.174+/-0.176 χ^2/NDF : 710.8/17

Right Out: 33.152+/-0.379 χ^2/NDF : 772.0/18

Left In: 31.242+/-0.176 χ^2/NDF : 571.7/16

Left: 31.208+/-0.124 χ^2/NDF : 1282.7/34

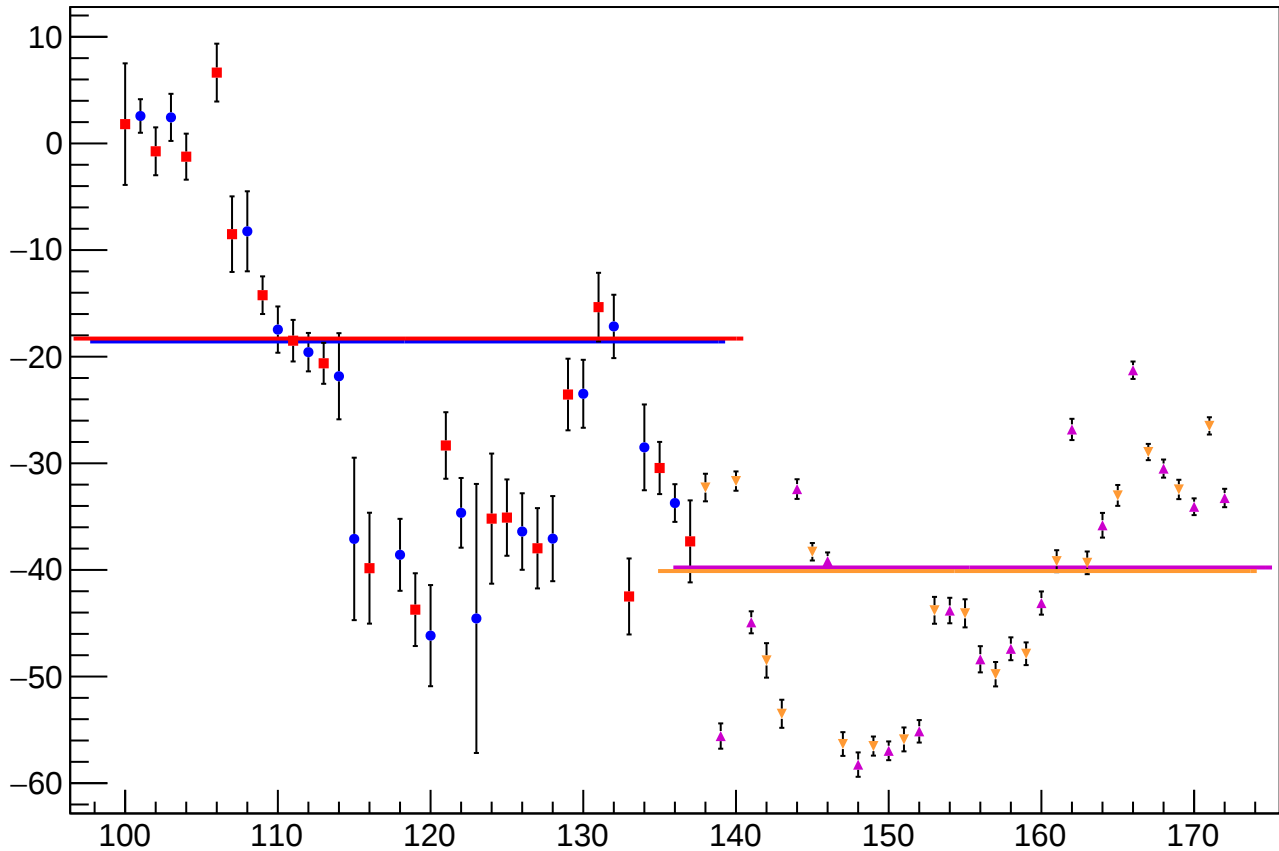
Right: 32.750+/-0.267 χ^2/NDF : 1224.7/35

In: 31.442+/-0.159 χ^2/NDF : 1029.4/33

Out: 31.524+/-0.159 χ^2/NDF : 1505.3/36

All: 31.483+/-0.113 χ^2/NDF : 2534.8/70

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: -40.106 ± 0.240 χ^2/NDF : 1769.0/17

Right Out: -18.300 ± 0.644 χ^2/NDF : 473.4/18

Left In: -39.772 ± 0.236 χ^2/NDF : 2164.8/16

Left: -39.936 ± 0.168 χ^2/NDF : 3934.8/34

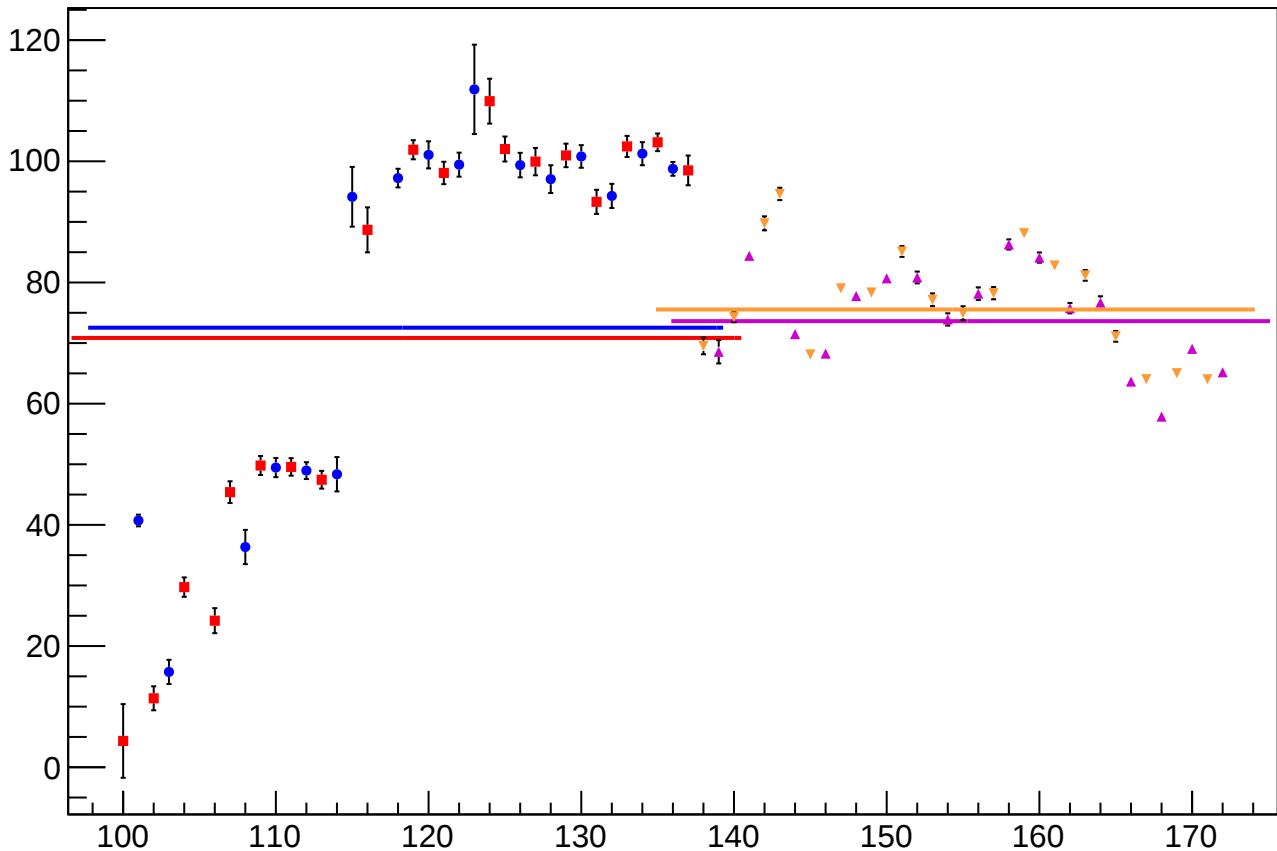
Right: -18.431 ± 0.463 χ^2/NDF : 984.9/35

In: -37.418 ± 0.222 χ^2/NDF : 3573.1/33

Out: -37.436 ± 0.225 χ^2/NDF : 3249.0/36

All: -37.427 ± 0.158 χ^2/NDF : 6822.0/70

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 72.537 ± 0.428 $\chi^2/\text{NDF}: 4684.1/16$

Left Out: 75.541 ± 0.202 $\chi^2/\text{NDF}: 1921.0/17$

Right Out: 70.849 ± 0.433 $\chi^2/\text{NDF}: 5500.2/18$

Left In: 73.621 ± 0.201 $\chi^2/\text{NDF}: 1551.5/16$

Left: 74.576 ± 0.143 $\chi^2/\text{NDF}: 3517.7/34$

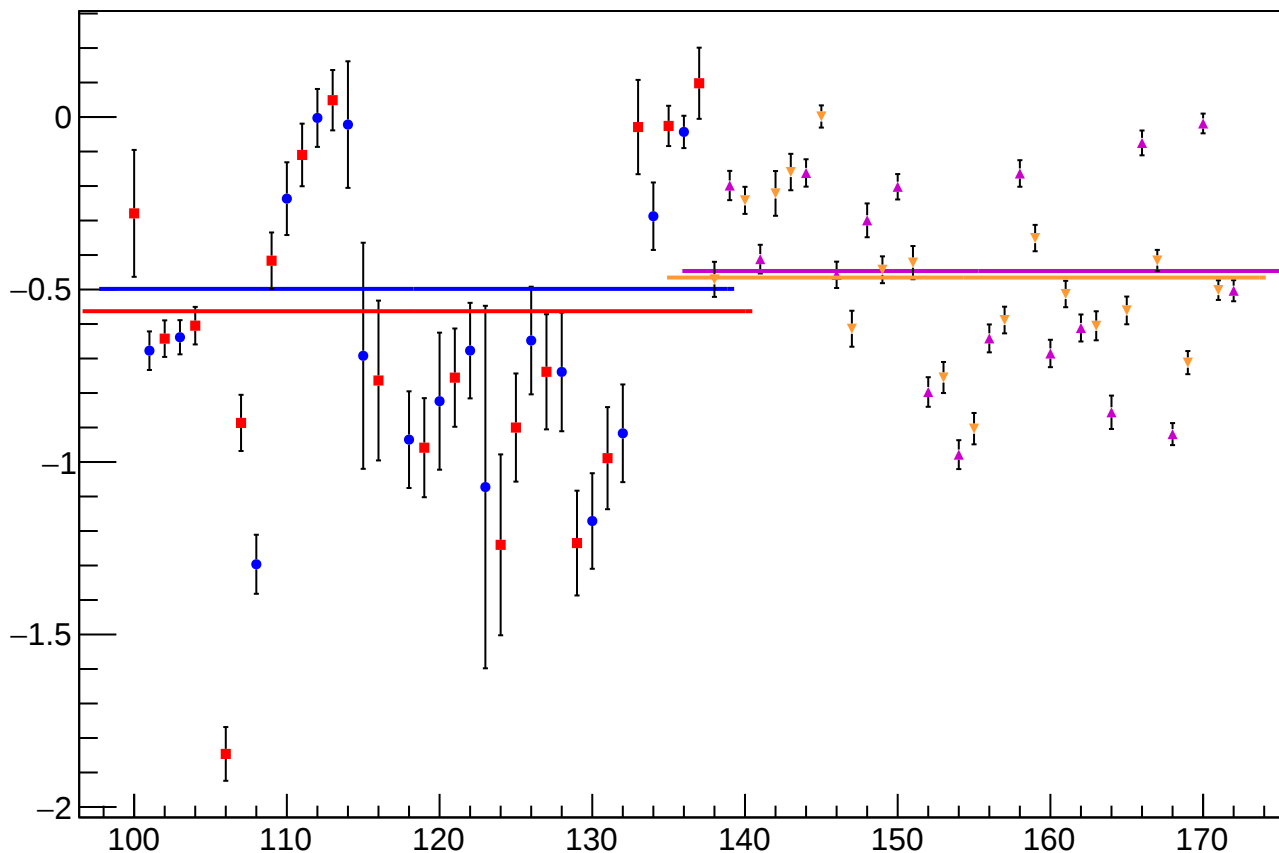
Right: 71.702 ± 0.305 $\chi^2/\text{NDF}: 10192.0/35$

In: 73.424 ± 0.182 $\chi^2/\text{NDF}: 6240.9/33$

Out: 74.700 ± 0.183 $\chi^2/\text{NDF}: 7517.5/36$

All: 74.058 ± 0.129 $\chi^2/\text{NDF}: 13782.7/70$

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.498 ± 0.022 χ^2/NDF : 302.8/16

Left Out: -0.465 ± 0.009 χ^2/NDF : 530.0/17

Right Out: -0.563 ± 0.021 χ^2/NDF : 560.8/18

Left In: -0.446 ± 0.009 χ^2/NDF : 1123.2/16

Left: -0.456 ± 0.007 χ^2/NDF : 1655.2/34

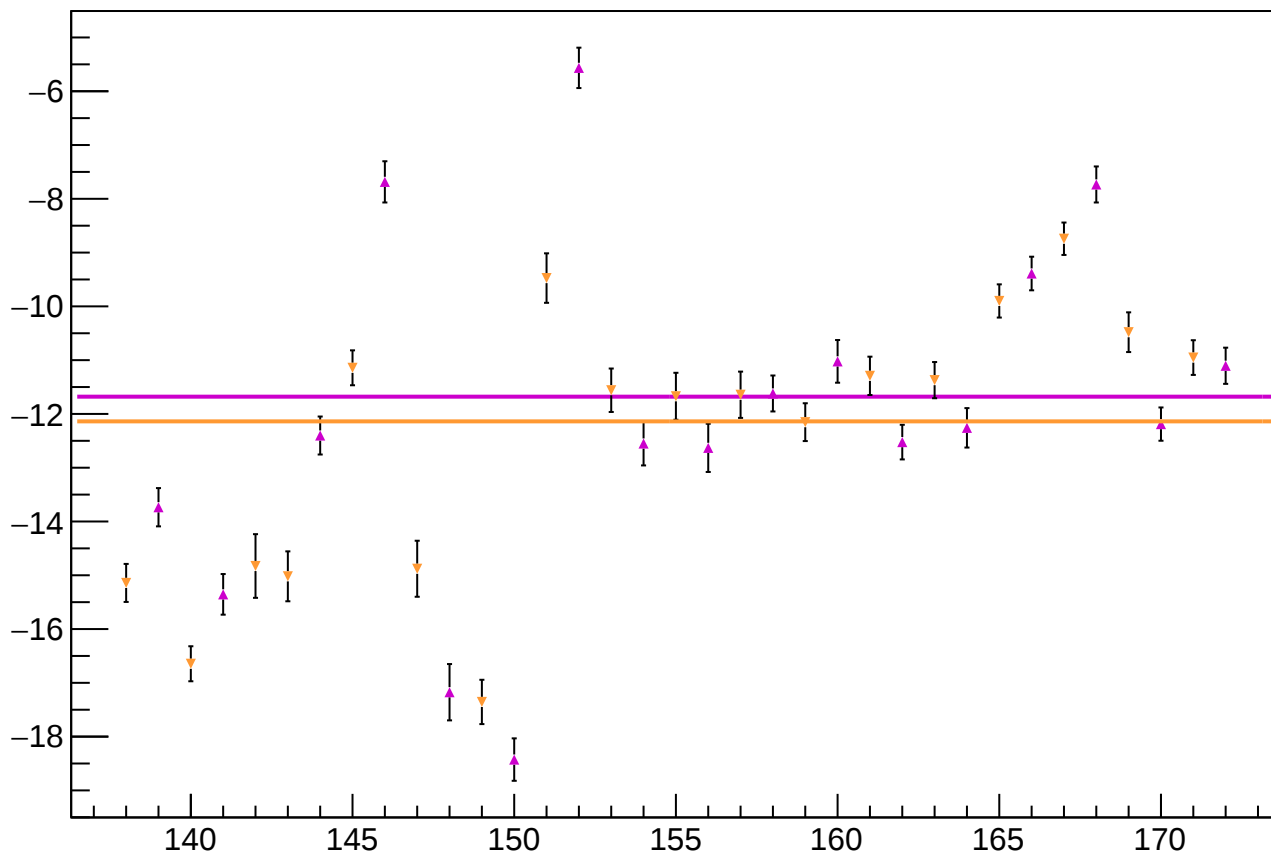
Right: -0.532 ± 0.015 χ^2/NDF : 867.9/35

In: -0.454 ± 0.009 χ^2/NDF : 1430.6/33

Out: -0.481 ± 0.009 χ^2/NDF : 1108.1/36

All: -0.467 ± 0.006 χ^2/NDF : 2543.7/70

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left Out: -12.138 ± 0.088 χ^2/NDF : 782.9/17

Right Out: 0.000 ± 0.000 χ^2/NDF : 0.0/0

Left In: -11.679 ± 0.088 χ^2/NDF : 1127.8/16

Left: -11.909 ± 0.062 χ^2/NDF : 1924.3/34

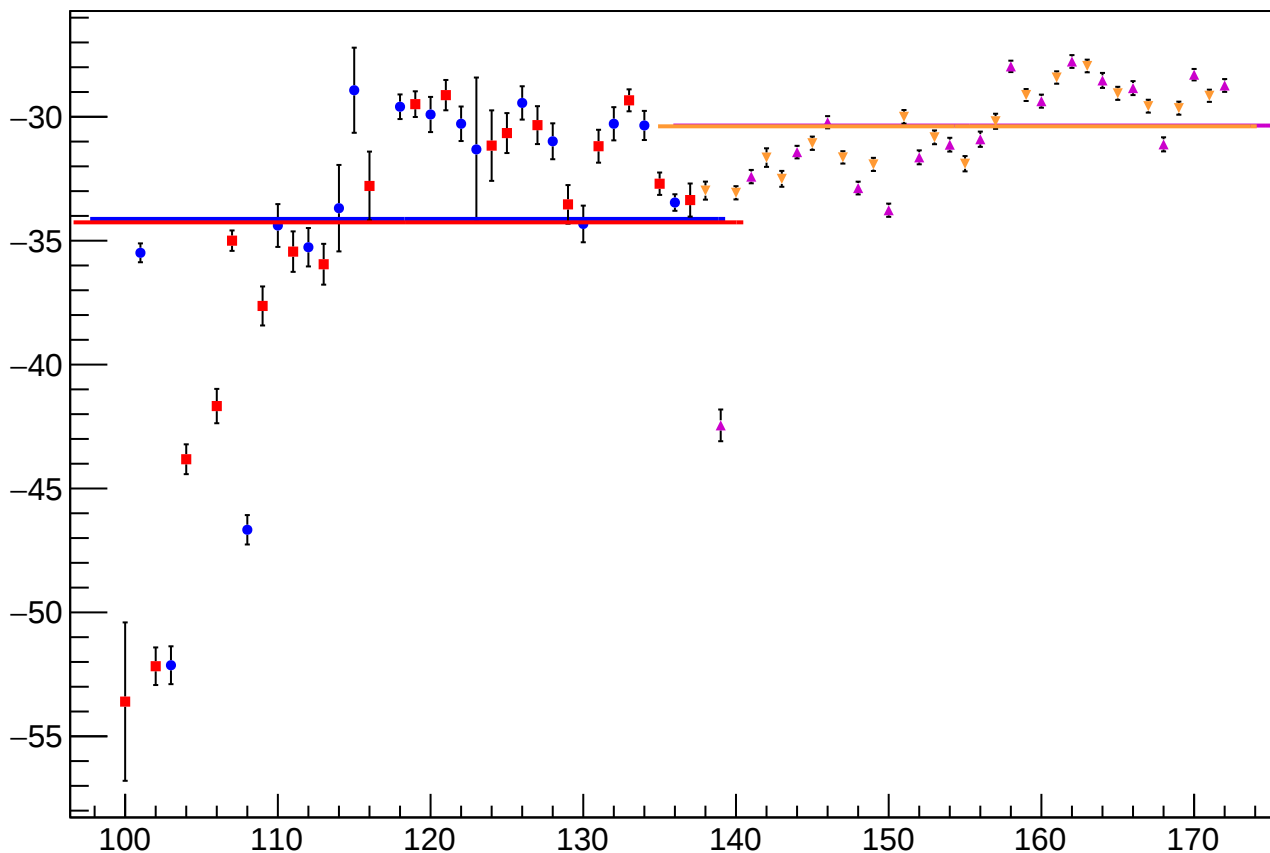
Right: 0.000 ± 0.000 χ^2/NDF : 0.0/0

In: -11.679 ± 0.088 χ^2/NDF : 1127.8/16

Out: -12.138 ± 0.088 χ^2/NDF : 782.9/17

All: -11.909 ± 0.062 χ^2/NDF : 1924.3/34

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -34.122 ± 0.152 $\chi^2/\text{NDF}: 1322.4/16$

Left Out: -30.385 ± 0.065 $\chi^2/\text{NDF}: 548.1/17$

Right Out: -34.260 ± 0.151 $\chi^2/\text{NDF}: 1354.9/18$

Left In: -30.354 ± 0.066 $\chi^2/\text{NDF}: 1135.4/16$

Left: -30.370 ± 0.046 $\chi^2/\text{NDF}: 1683.7/34$

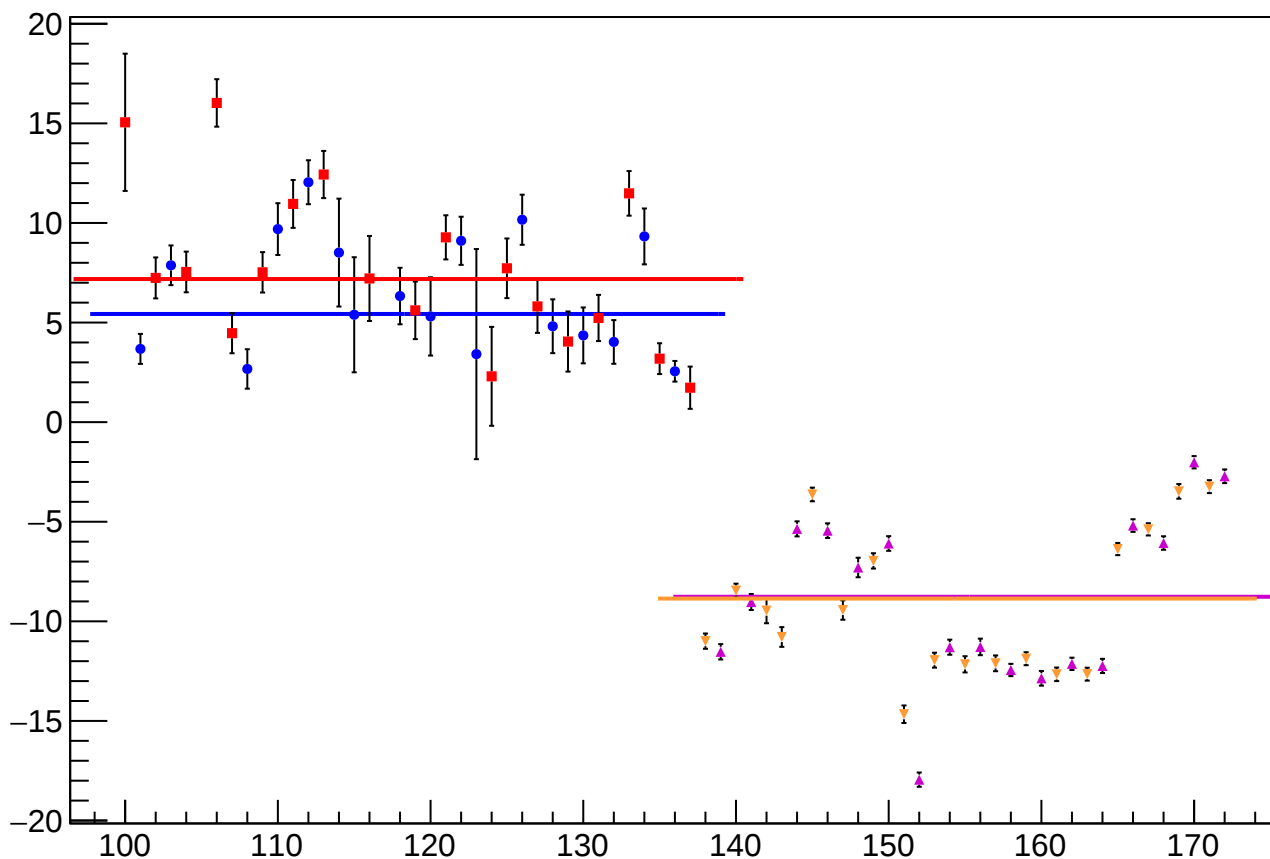
Right: -34.191 ± 0.107 $\chi^2/\text{NDF}: 2677.8/35$

In: -30.950 ± 0.060 $\chi^2/\text{NDF}: 2976.4/33$

Out: -30.989 ± 0.060 $\chi^2/\text{NDF}: 2460.2/36$

All: -30.970 ± 0.042 $\chi^2/\text{NDF}: 5436.9/70$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 5.431 ± 0.270 $\chi^2/\text{NDF}: 132.0/16$

Left Out: -8.856 ± 0.087 $\chi^2/\text{NDF}: 1733.5/17$

Right Out: 7.185 ± 0.274 $\chi^2/\text{NDF}: 182.1/18$

Left In: -8.766 ± 0.087 $\chi^2/\text{NDF}: 2463.9/16$

Left: -8.811 ± 0.062 $\chi^2/\text{NDF}: 4197.9/34$

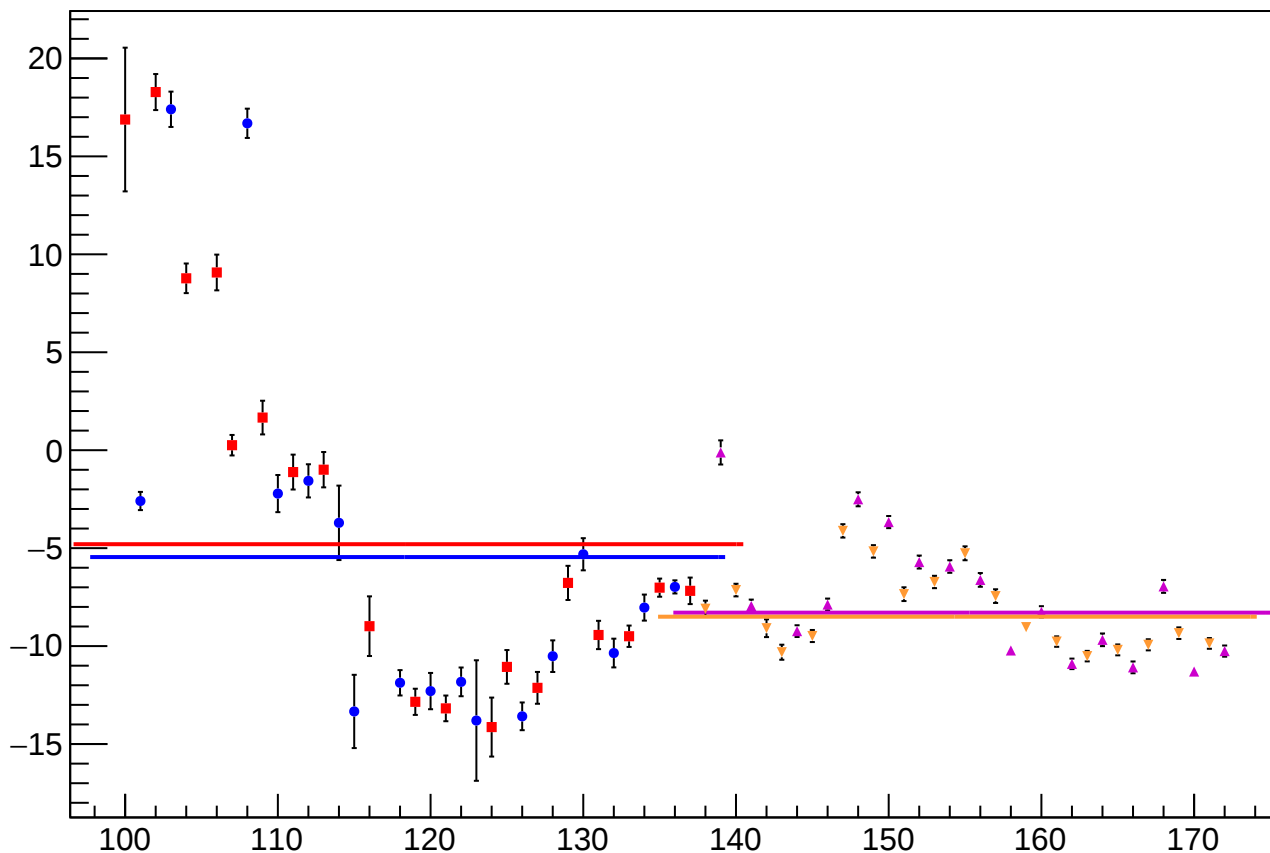
Right: 6.295 ± 0.193 $\chi^2/\text{NDF}: 334.8/35$

In: -7.442 ± 0.083 $\chi^2/\text{NDF}: 5095.5/33$

Out: -7.384 ± 0.083 $\chi^2/\text{NDF}: 5018.4/36$

All: -7.413 ± 0.059 $\chi^2/\text{NDF}: 10114.1/70$

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: -8.500 ± 0.074 χ^2/NDF : 638.4/17

Right Out: -4.798 ± 0.173 χ^2/NDF : 2047.4/18

Left In: -8.294 ± 0.075 χ^2/NDF : 1280.3/16

Left: -8.398 ± 0.052 χ^2/NDF : 1922.5/34

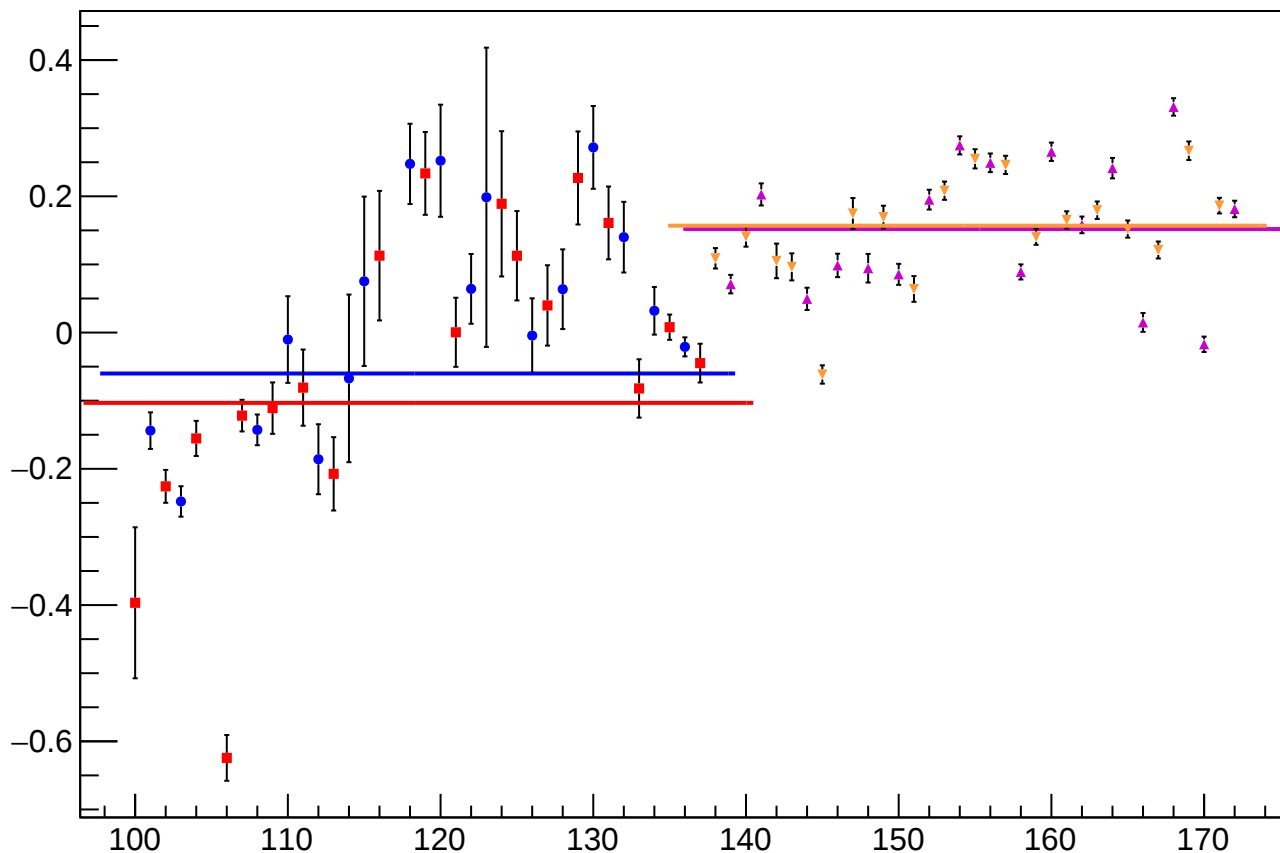
Right: -5.131 ± 0.122 χ^2/NDF : 4151.2/35

In: -7.840 ± 0.068 χ^2/NDF : 3608.7/33

Out: -7.929 ± 0.068 χ^2/NDF : 3073.5/36

All: -7.885 ± 0.048 χ^2/NDF : 6683.1/70

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.060 $\pm$ 0.008 χ^2 /NDF: 215.5/16

Left Out: 0.157 $\pm$ 0.003 χ^2 /NDF:507.2/17

Right Out: -0.103 $\pm$ 0.008 χ^2 /NDF: 434.3/18

Left In: 0.152 $\pm$ 0.003 χ^2 /NDF:928.7/16

Left: 0.154 $\pm$ 0.002 χ^2 /NDF: 1437.0/34

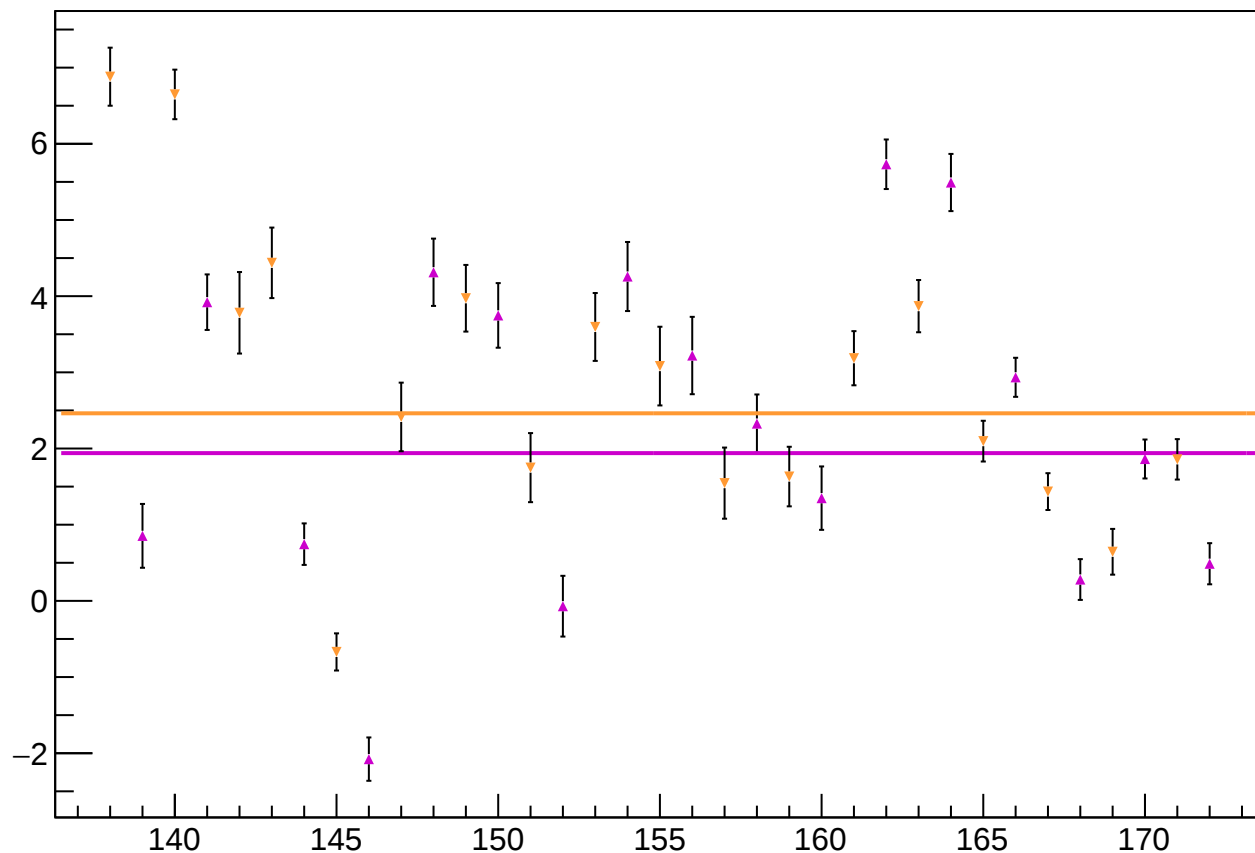
Right: -0.082 $\pm$ 0.006 χ^2 /NDF: 662.9/35

In: 0.123 $\pm$ 0.003 χ^2 /NDF:1693.7/33

Out: 0.121 $\pm$ 0.003 χ^2 /NDF:1761.2/36

All: 0.122 $\pm$ 0.002 χ^2 /NDF: 3455.1/70

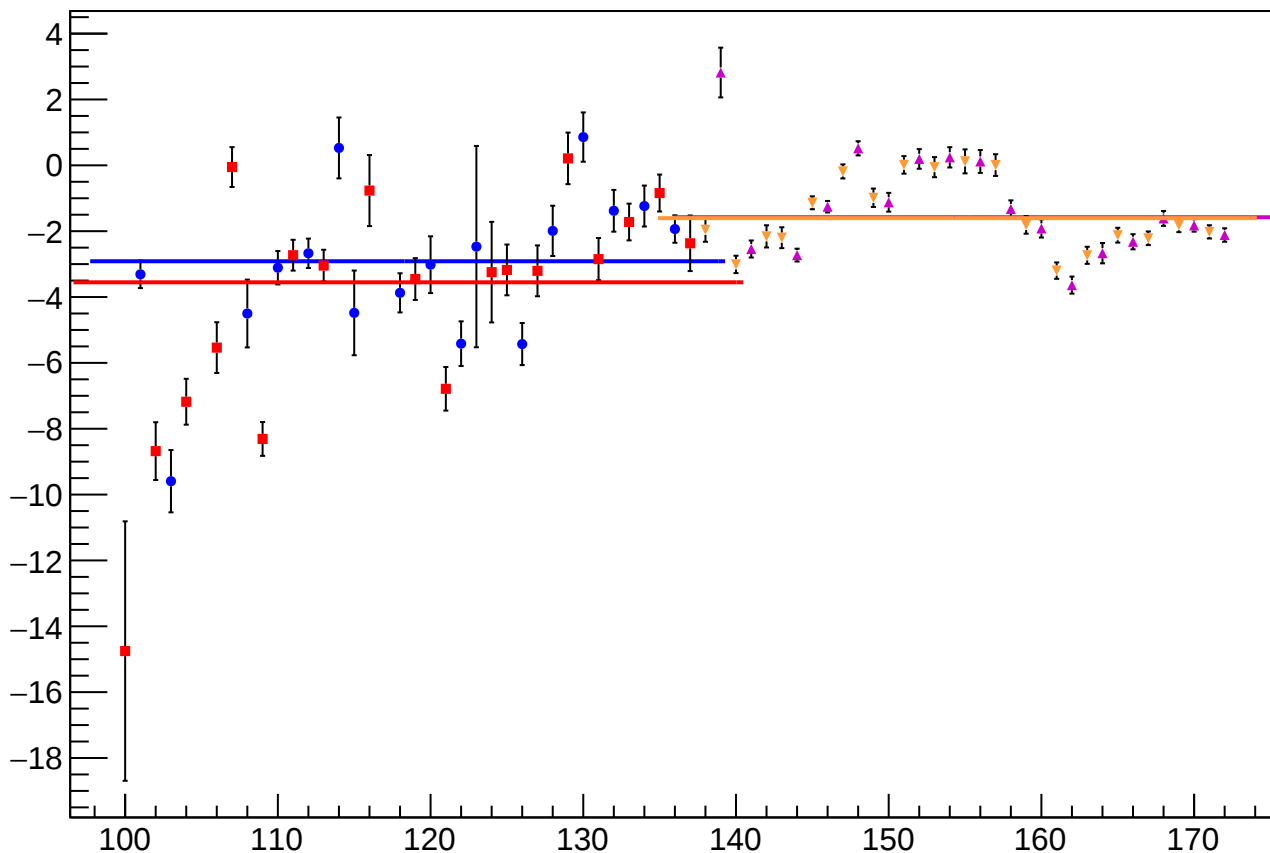
reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left Out: 2.462 $\pm$ 0.082 χ^2/NDF :602.8/17
 Right Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 Left In: 1.940 $\pm$ 0.081 χ^2/NDF :670.8/16

Left: 2.198 $\pm$ 0.058 χ^2/NDF : 1294.1/34
 Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0
 In: 1.940 $\pm$ 0.081 χ^2/NDF :670.8/16
 Out: 2.462 $\pm$ 0.082 χ^2/NDF :602.8/17
 All: 2.198 $\pm$ 0.058 χ^2/NDF : 1294.1/34

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.914 $\pm$ 0.155 χ^2/NDF : 146.1/16

Left Out: -1.605 $\pm$ 0.060 χ^2/NDF : 278.7/17

Right Out: -3.553 $\pm$ 0.155 χ^2/NDF : 290.9/18

Left In: -1.577 $\pm$ 0.059 χ^2/NDF : 374.1/16

Left: -1.591 $\pm$ 0.042 χ^2/NDF : 652.9/34

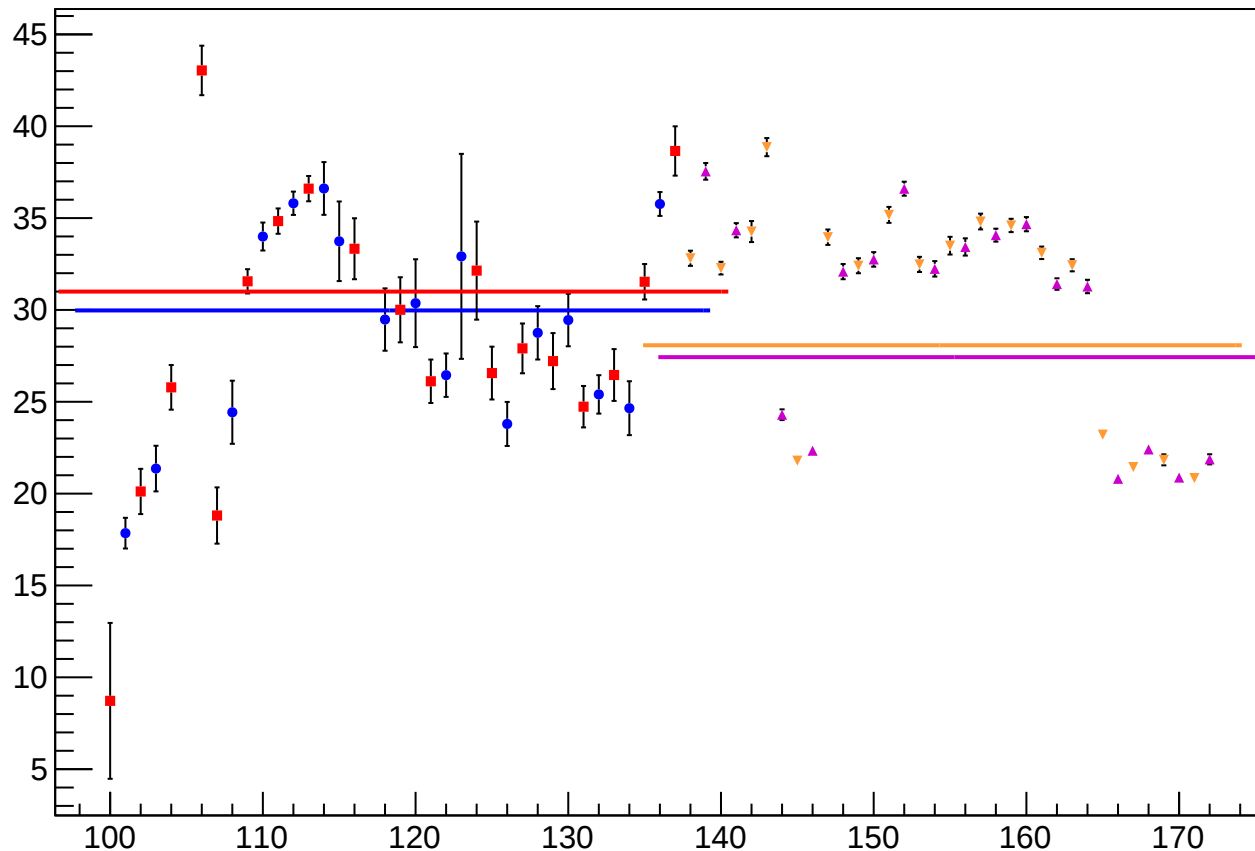
Right: -3.234 $\pm$ 0.109 χ^2/NDF : 445.5/35

In: -1.749 $\pm$ 0.056 χ^2/NDF : 585.2/33

Out: -1.860 $\pm$ 0.056 χ^2/NDF : 707.5/36

All: -1.804 $\pm$ 0.039 χ^2/NDF : 1294.7/70

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 29.972 $\pm$ 0.267 χ^2 /NDF: 554.3/16

Left Out: 28.076 $\pm$ 0.082 χ^2 /NDF: 5452.9/17

Right Out: 30.999 $\pm$ 0.260 χ^2 /NDF: 479.5/18

Left In: 27.430 $\pm$ 0.080 χ^2 /NDF: 5483.9/16

Left: 27.748 $\pm$ 0.057 χ^2 /NDF: 10968.6/34

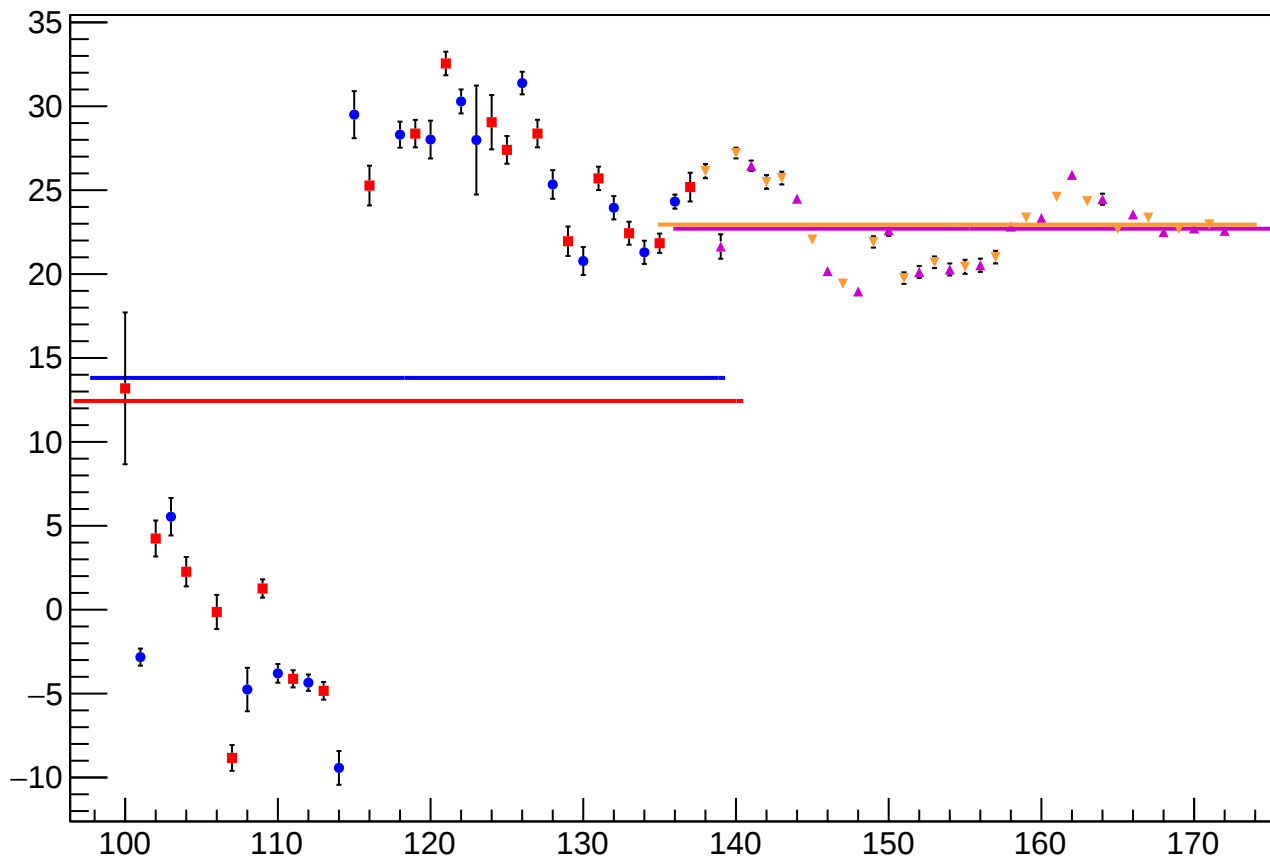
Right: 30.500 $\pm$ 0.186 χ^2 /NDF: 1041.4/35

In: 27.641 $\pm$ 0.077 χ^2 /NDF: 6121.2/33

Out: 28.339 $\pm$ 0.078 χ^2 /NDF: 6047.3/36

All: 27.985 $\pm$ 0.055 χ^2 /NDF: 12209.1/70

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.813 $\pm$ 0.173 χ^2 /NDF: 7318.6/16

Left Out: 22.949 $\pm$ 0.069 χ^2 /NDF: 757.0/17

Right Out: 12.440 $\pm$ 0.174 χ^2 /NDF: 6970.3/18

Left In: 22.704 $\pm$ 0.068 χ^2 /NDF: 810.2/16

Left: 22.826 $\pm$ 0.048 χ^2 /NDF: 1573.6/34

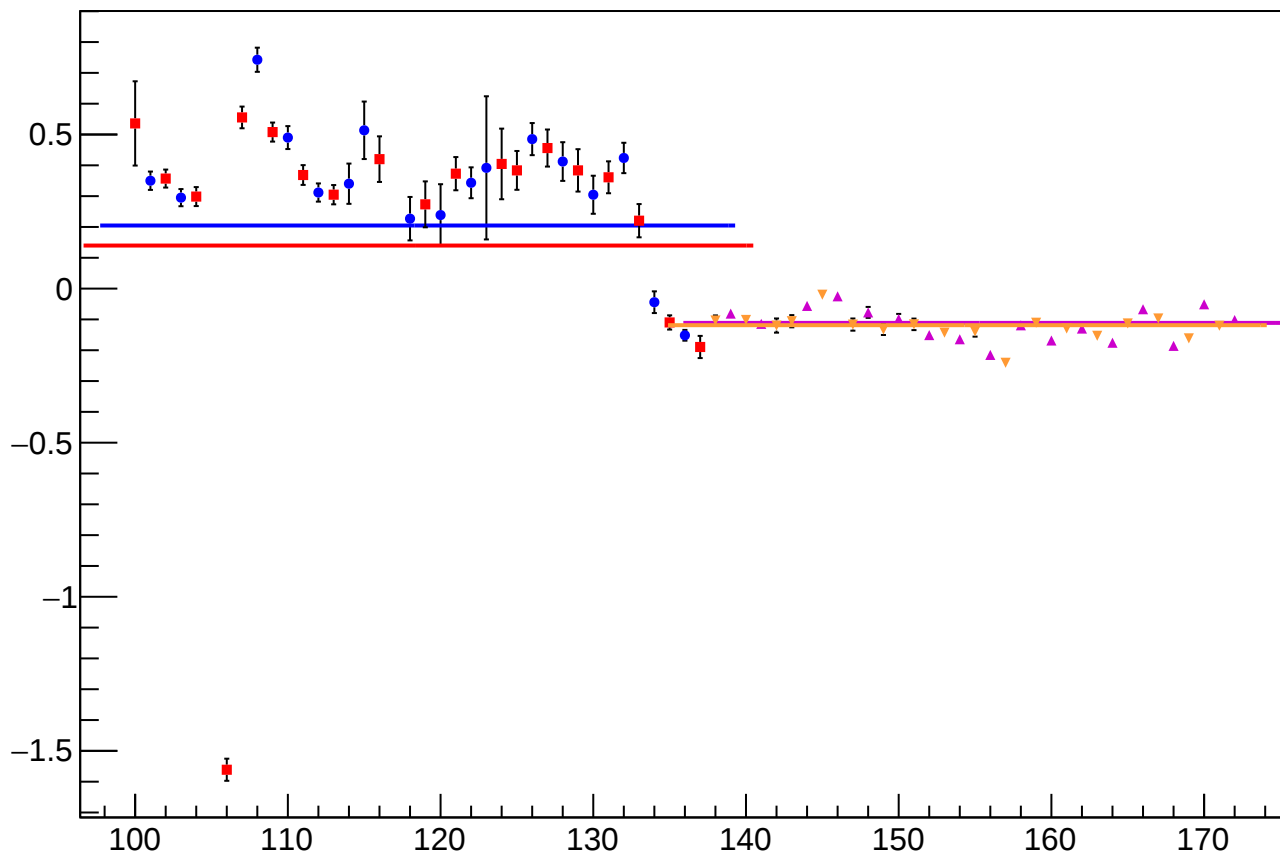
Right: 13.131 $\pm$ 0.122 χ^2 /NDF: 14320.3/35

In: 21.505 $\pm$ 0.063 χ^2 /NDF: 10422.5/33

Out: 21.528 $\pm$ 0.064 χ^2 /NDF: 10891.5/36

All: 21.516 $\pm$ 0.045 χ^2 /NDF: 21314.1/70

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 ± 0.009 $\chi^2/\text{NDF}: 845.8/16$

Left Out: -0.119 ± 0.003 $\chi^2/\text{NDF}: 200.6/17$

Right Out: 0.140 ± 0.009 $\chi^2/\text{NDF}: 3014.2/18$

Left In: -0.111 ± 0.003 $\chi^2/\text{NDF}: 285.0/16$

Left: -0.115 ± 0.002 $\chi^2/\text{NDF}: 488.4/34$

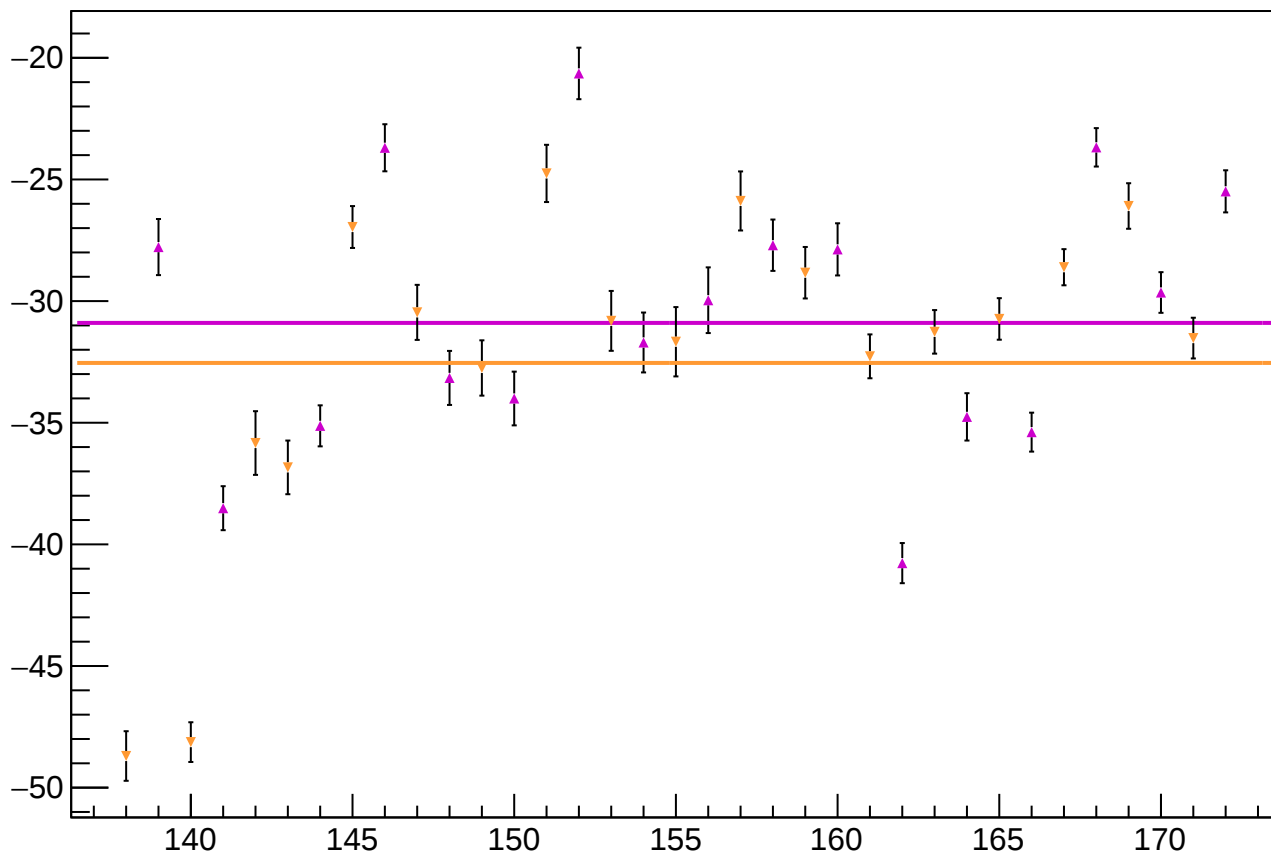
Right: 0.172 ± 0.007 $\chi^2/\text{NDF}: 3884.5/35$

In: -0.079 ± 0.003 $\chi^2/\text{NDF}: 2152.4/33$

Out: -0.091 ± 0.003 $\chi^2/\text{NDF}: 3918.8/36$

All: -0.085 ± 0.002 $\chi^2/\text{NDF}: 6079.3/70$

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: -32.542+/-0.233 χ^2/NDF :854.9/17

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

Left In: -30.897+/-0.233 χ^2/NDF :597.8/16

Left: -31.720+/-0.165 χ^2/NDF : 1477.7/34

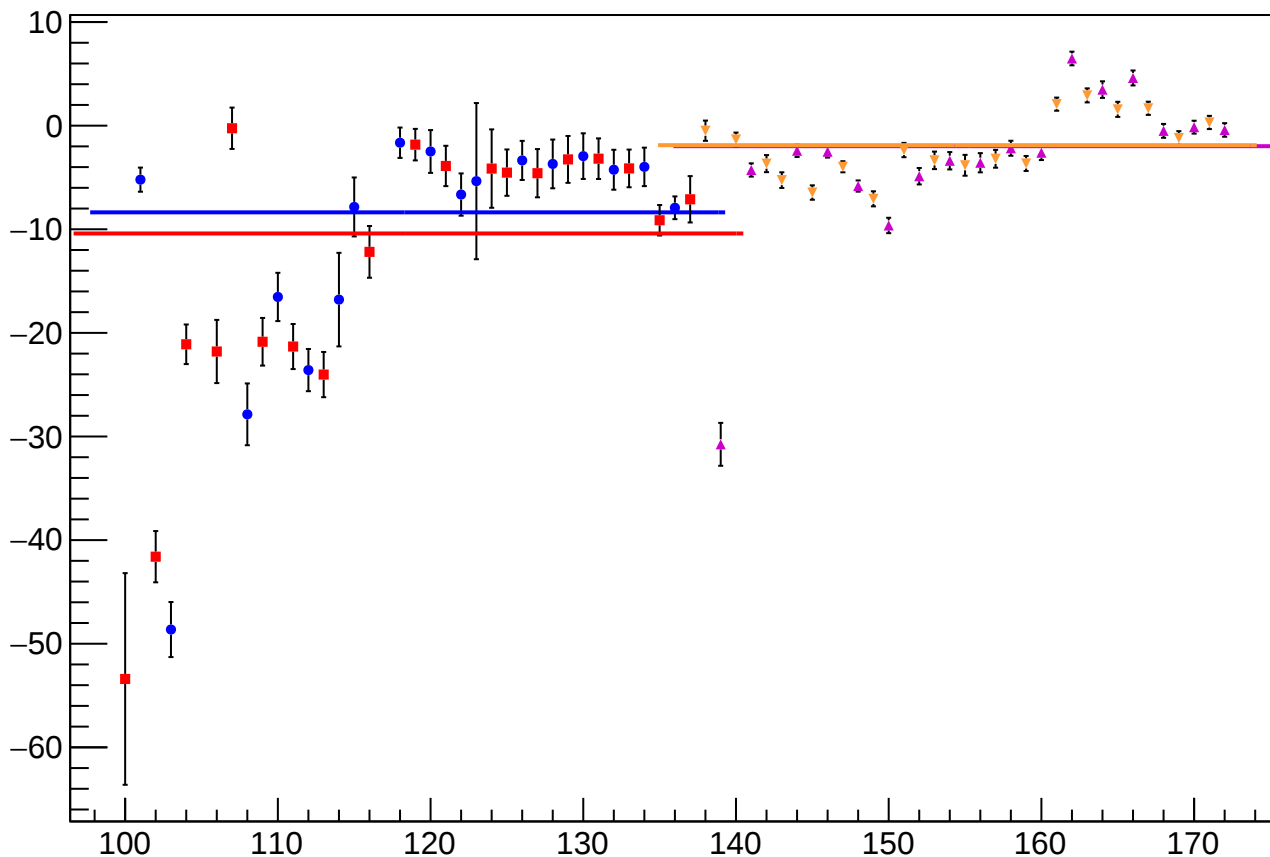
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -30.897+/-0.233 χ^2/NDF :597.8/16

Out: -32.542+/-0.233 χ^2/NDF :854.9/17

All: -31.720+/-0.165 χ^2/NDF : 1477.7/34

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -8.367 ± 0.466 χ^2/NDF : 408.8/16

Left Out: -1.882 ± 0.168 χ^2/NDF : 307.5/17

Right Out: -10.405 ± 0.491 χ^2/NDF : 430.3/18

Left In: -1.981 ± 0.170 χ^2/NDF : 697.7/16

Left: -1.931 ± 0.119 χ^2/NDF : 1005.4/34

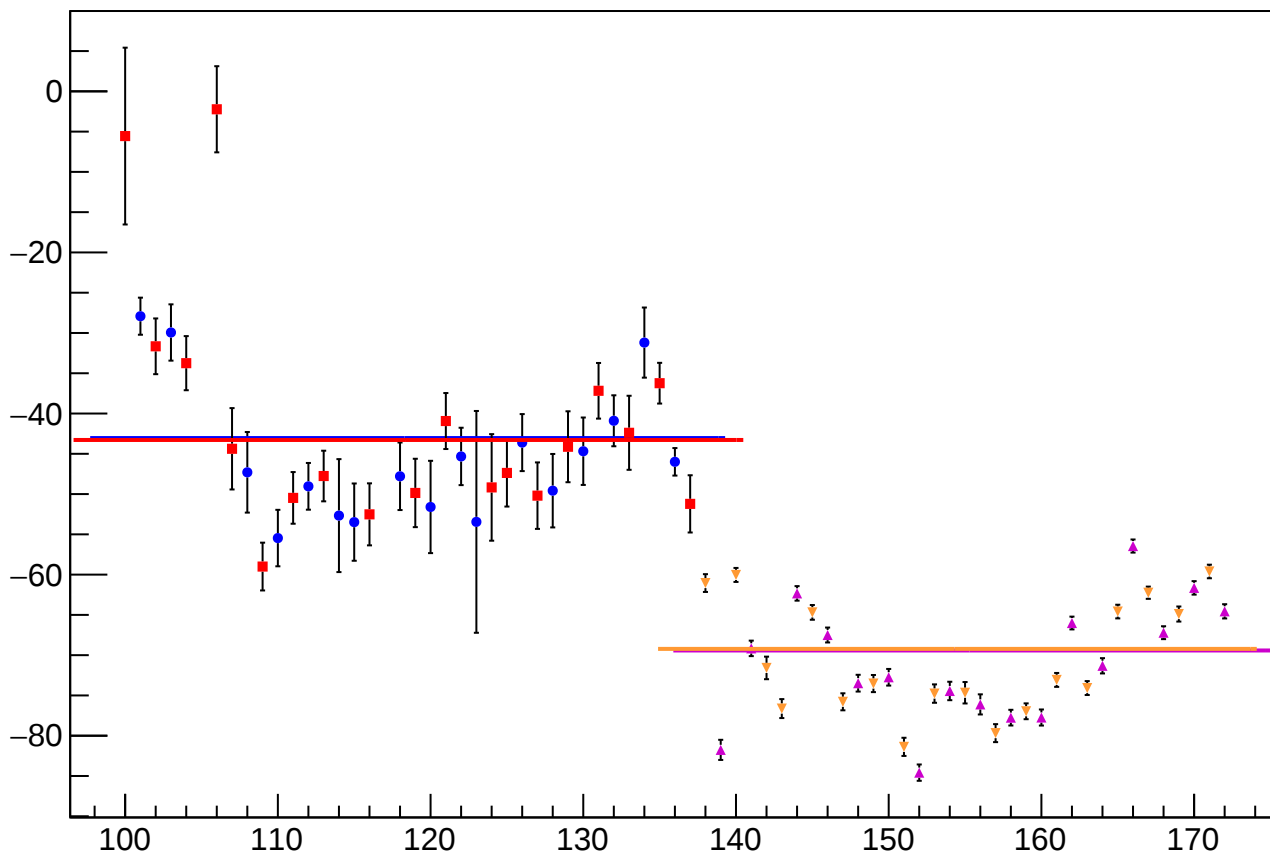
Right: -9.333 ± 0.338 χ^2/NDF : 848.2/35

In: -2.728 ± 0.159 χ^2/NDF : 1272.3/33

Out: -2.774 ± 0.159 χ^2/NDF : 1007.6/36

All: -2.751 ± 0.113 χ^2/NDF : 2280.0/70

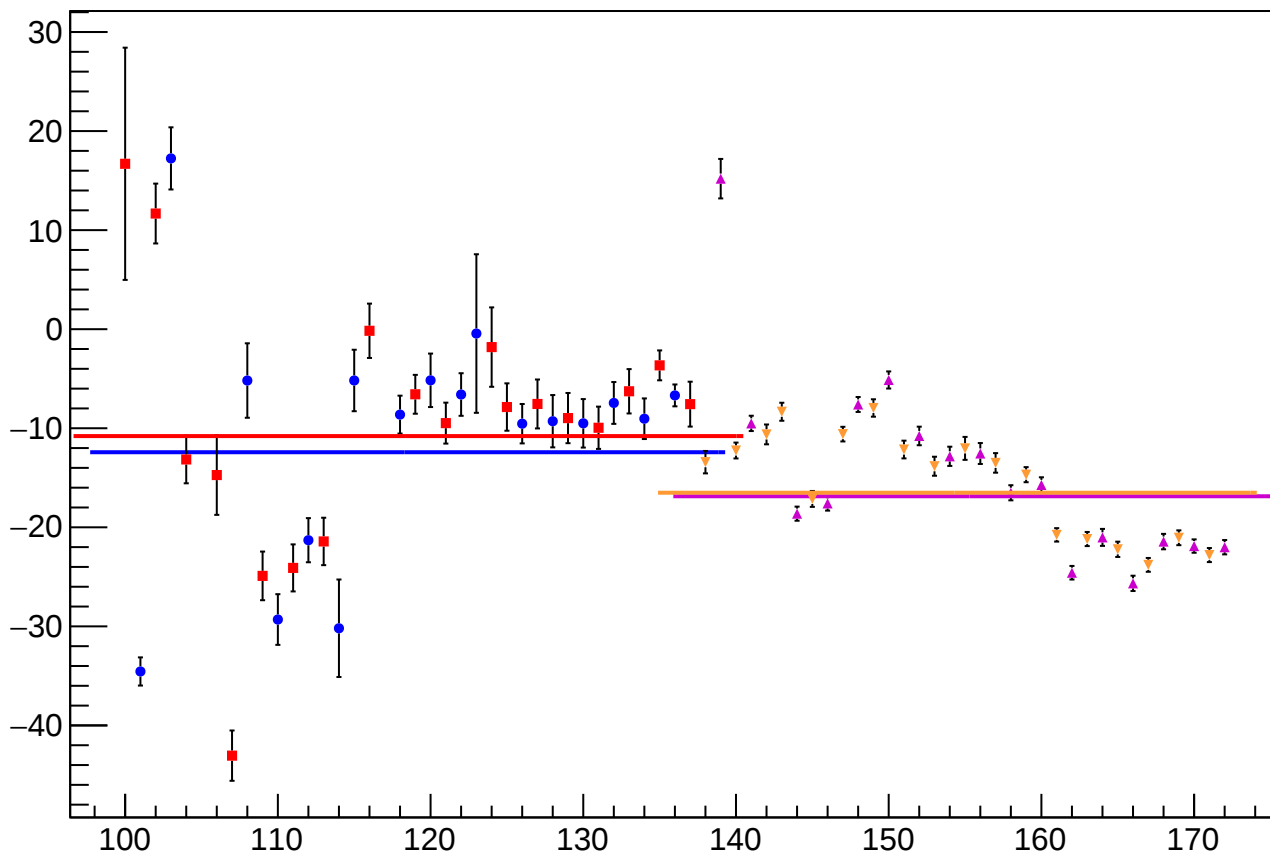
reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -43.047 ± 0.837 $\chi^2/\text{NDF}: 99.0/16$
 Left Out: -69.221 ± 0.231 $\chi^2/\text{NDF}: 912.3/17$
 Right Out: -43.282 ± 0.867 $\chi^2/\text{NDF}: 154.4/18$
 Left In: -69.417 ± 0.230 $\chi^2/\text{NDF}: 1004.3/16$

Left: -69.319 ± 0.163 $\chi^2/\text{NDF}: 1917.0/34$
 Right: -43.161 ± 0.602 $\chi^2/\text{NDF}: 253.4/35$
 In: -67.565 ± 0.222 $\chi^2/\text{NDF}: 2025.6/33$
 Out: -67.495 ± 0.224 $\chi^2/\text{NDF}: 1901.9/36$
 All: -67.531 ± 0.158 $\chi^2/\text{NDF}: 3927.5/70$

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: -16.508 ± 0.194 χ^2/NDF : 733.8/17

Right Out: -10.791 ± 0.554 χ^2/NDF : 365.8/18

Left In: -16.866 ± 0.195 χ^2/NDF : 1190.0/16

Left: -16.686 ± 0.137 χ^2/NDF : 1925.5/34

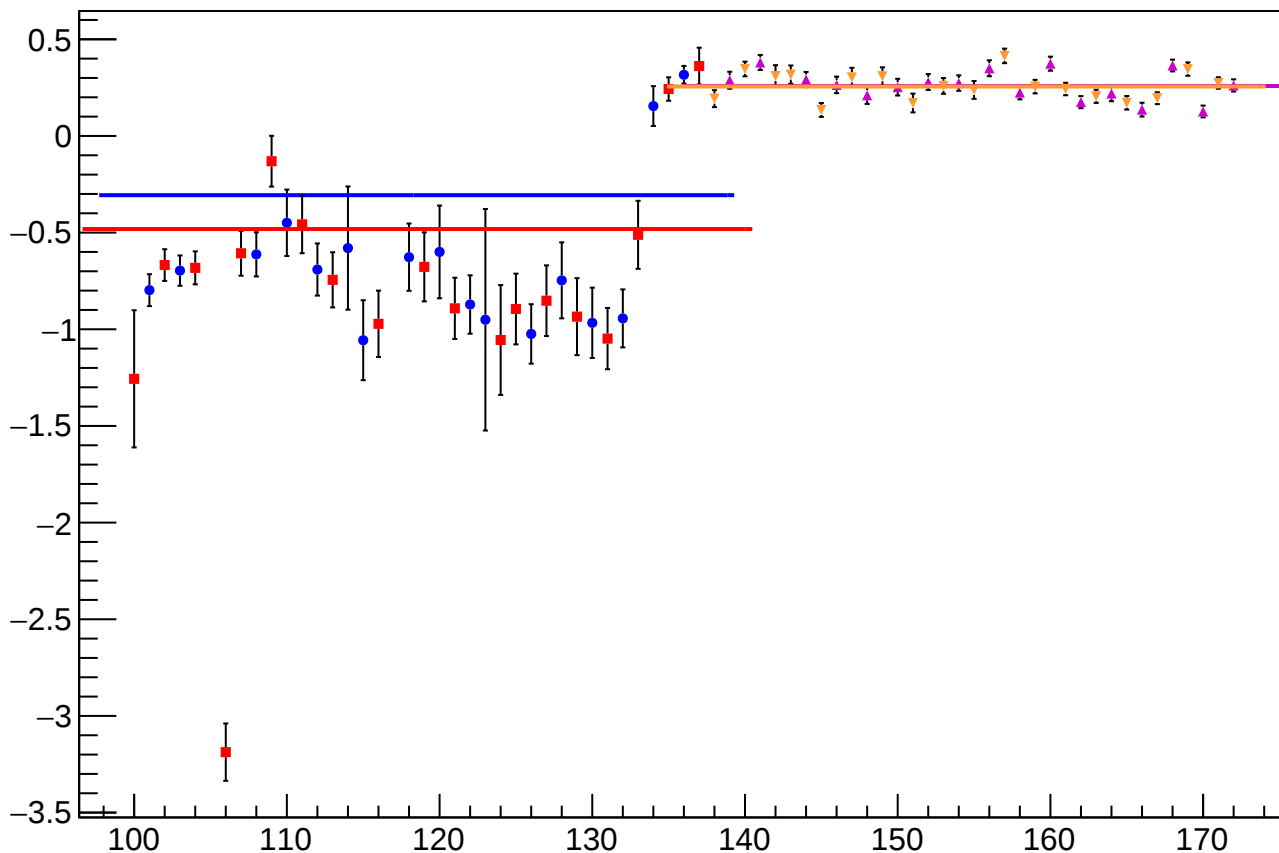
Right: -11.652 ± 0.380 χ^2/NDF : 844.7/35

In: -16.323 ± 0.183 χ^2/NDF : 1727.8/33

Out: -15.886 ± 0.183 χ^2/NDF : 1194.6/36

All: -16.104 ± 0.129 χ^2/NDF : 2925.2/70

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.306 ± 0.028 χ^2/NDF : 371.7/16

Left Out: 0.256 ± 0.009 χ^2/NDF : 64.0/17

Right Out: -0.481 ± 0.029 χ^2/NDF : 628.3/18

Left In: 0.258 ± 0.009 χ^2/NDF : 79.0/16

Left: 0.257 ± 0.006 χ^2/NDF : 143.1/34

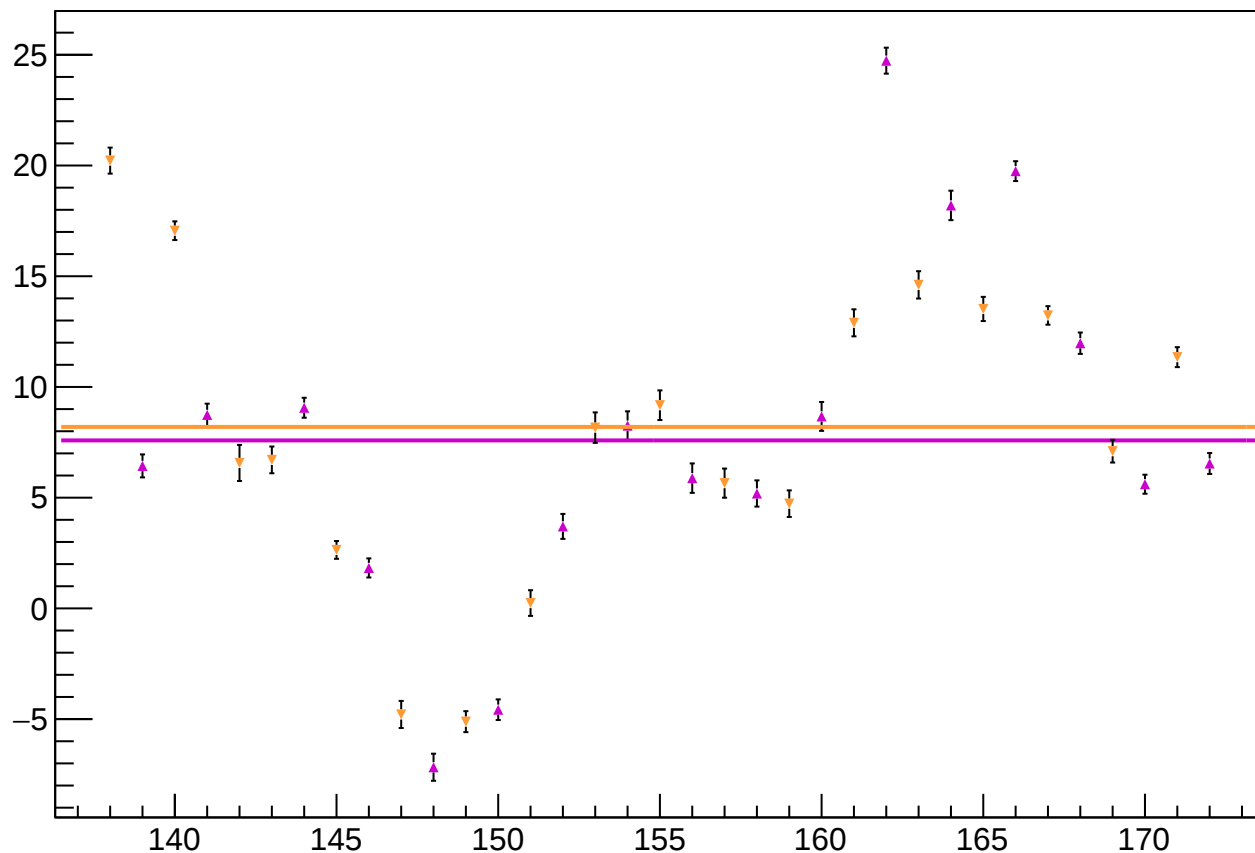
Right: -0.391 ± 0.020 χ^2/NDF : 1019.4/35

In: 0.204 ± 0.009 χ^2/NDF : 829.9/33

Out: 0.189 ± 0.009 χ^2/NDF : 1296.8/36

All: 0.197 ± 0.006 χ^2/NDF : 2128.2/70

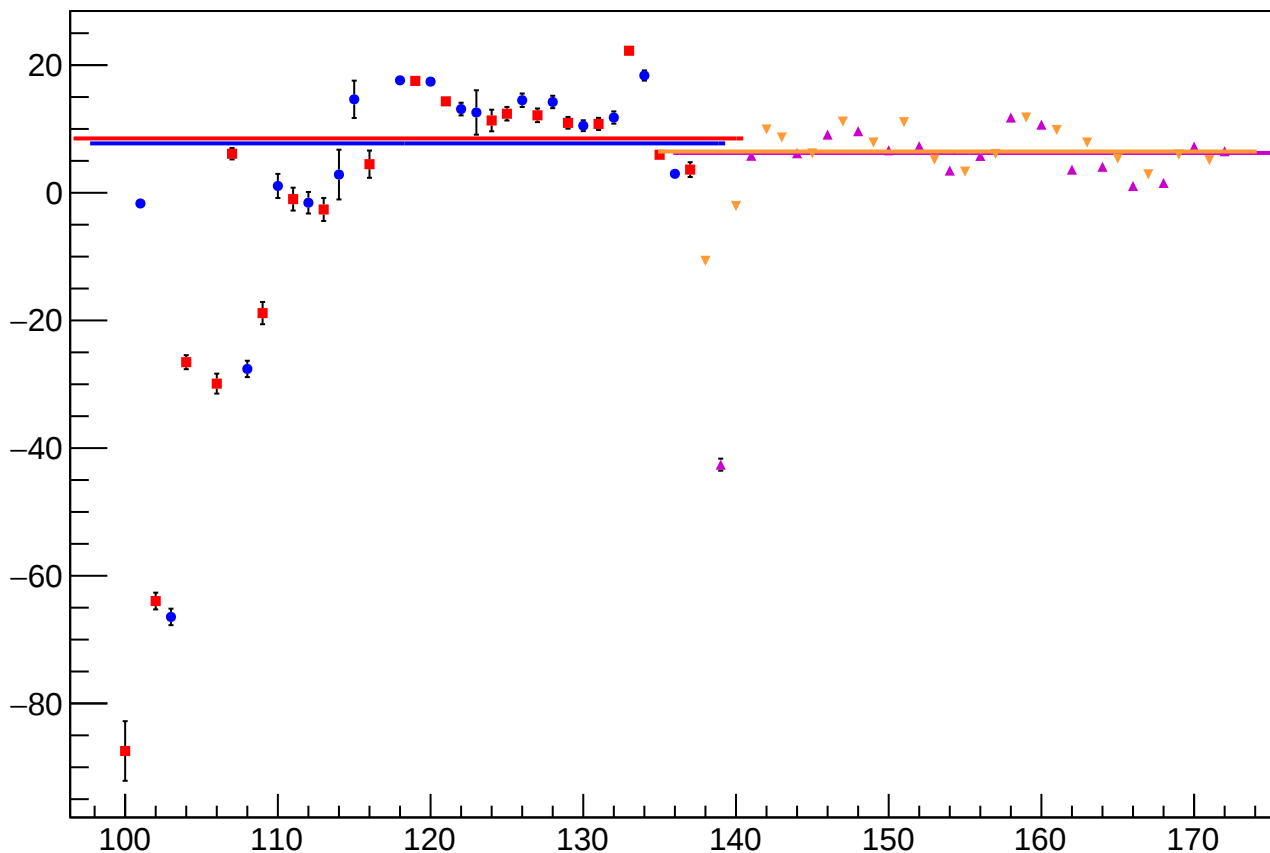
reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.196+/-0.127 χ^2/NDF :2999.2/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 7.586+/-0.126 χ^2/NDF :3488.7/16

Left: 7.888+/-0.090 χ^2/NDF : 6499.5/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 7.586+/-0.126 χ^2/NDF :3488.7/16
 Out: 8.196+/-0.127 χ^2/NDF :2999.2/17
 All: 7.888+/-0.090 χ^2/NDF : 6499.5/34

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.737 ± 0.218 $\chi^2/\text{NDF}: 5300.6/16$

Left Out: 6.467 ± 0.092 $\chi^2/\text{NDF}: 2358.2/17$

Right Out: 8.514 ± 0.213 $\chi^2/\text{NDF}: 6719.4/18$

Left In: 6.241 ± 0.093 $\chi^2/\text{NDF}: 3597.7/16$

Left: 6.354 ± 0.065 $\chi^2/\text{NDF}: 5958.9/34$

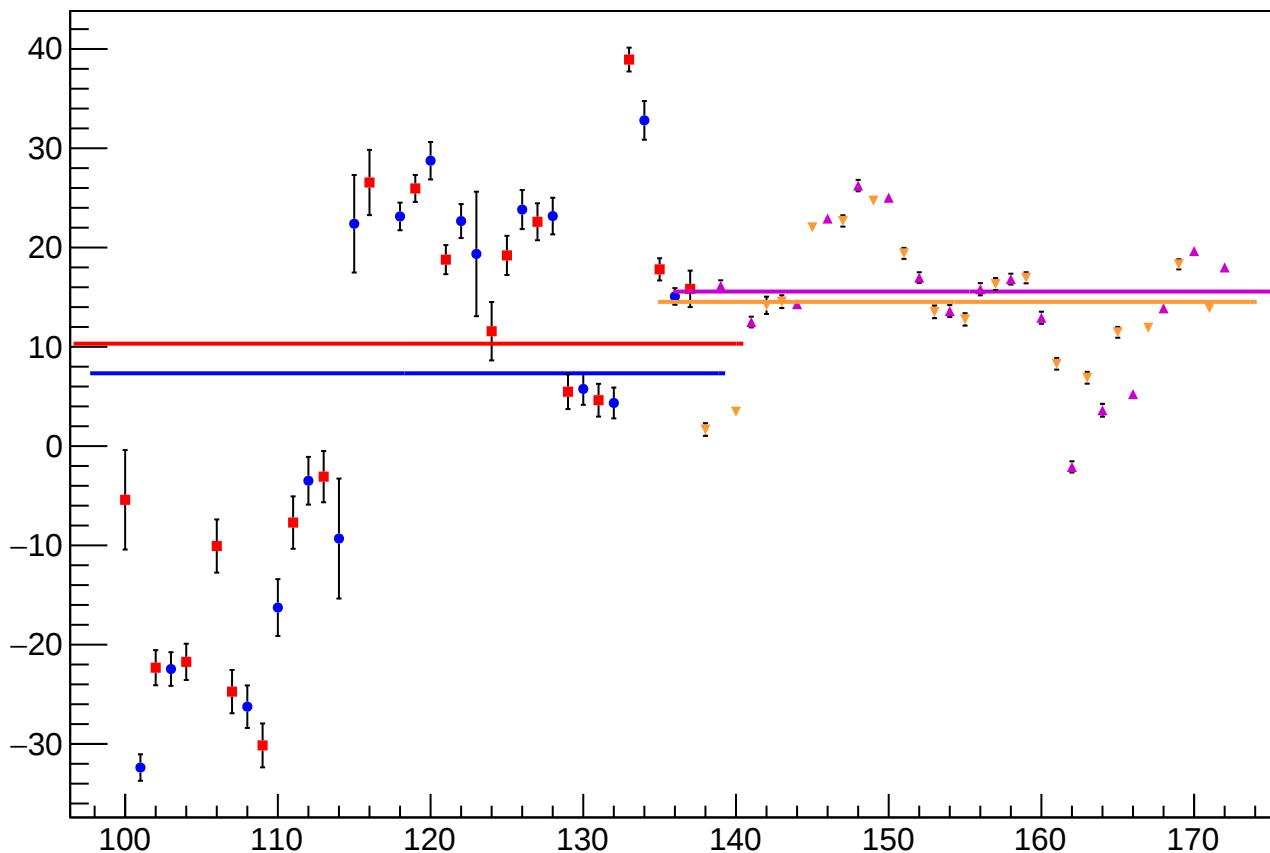
Right: 8.134 ± 0.152 $\chi^2/\text{NDF}: 12026.5/35$

In: 6.470 ± 0.085 $\chi^2/\text{NDF}: 8938.2/33$

Out: 6.788 ± 0.084 $\chi^2/\text{NDF}: 9155.4/36$

All: 6.630 ± 0.060 $\chi^2/\text{NDF}: 18100.6/70$

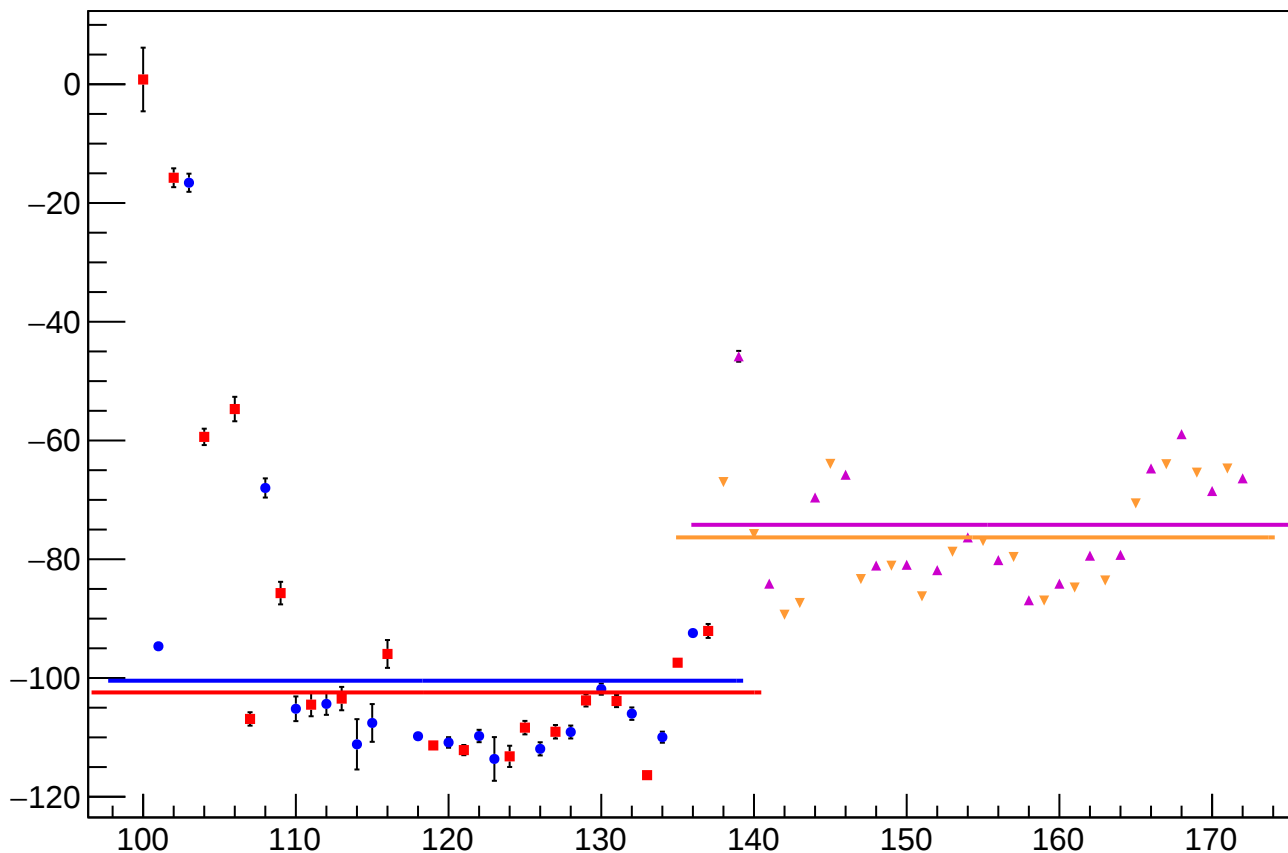
reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 7.333 ± 0.419 χ^2/NDF : 2293.1/16
 Left Out: 14.530 ± 0.127 χ^2/NDF : 2578.8/17
 Right Out: 10.317 ± 0.417 χ^2/NDF : 2281.5/18
 Left In: 15.568 ± 0.125 χ^2/NDF : 3169.5/16

Left: 15.056 ± 0.089 χ^2/NDF : 5782.3/34
 Right: 8.831 ± 0.295 χ^2/NDF : 4600.2/35
 In: 14.895 ± 0.120 χ^2/NDF : 5818.0/33
 Out: 14.174 ± 0.121 χ^2/NDF : 4953.8/36
 All: 14.539 ± 0.085 χ^2/NDF : 10789.7/70

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.457 ± 0.251 χ^2/NDF : 4461.1/16

Left Out: -76.318 ± 0.107 χ^2/NDF : 7132.3/17

Right Out: -102.431 ± 0.246 χ^2/NDF : 6094.3/18

Left In: -74.199 ± 0.107 χ^2/NDF : 6895.8/16

Left: -75.260 ± 0.075 χ^2/NDF : 14225.3/34

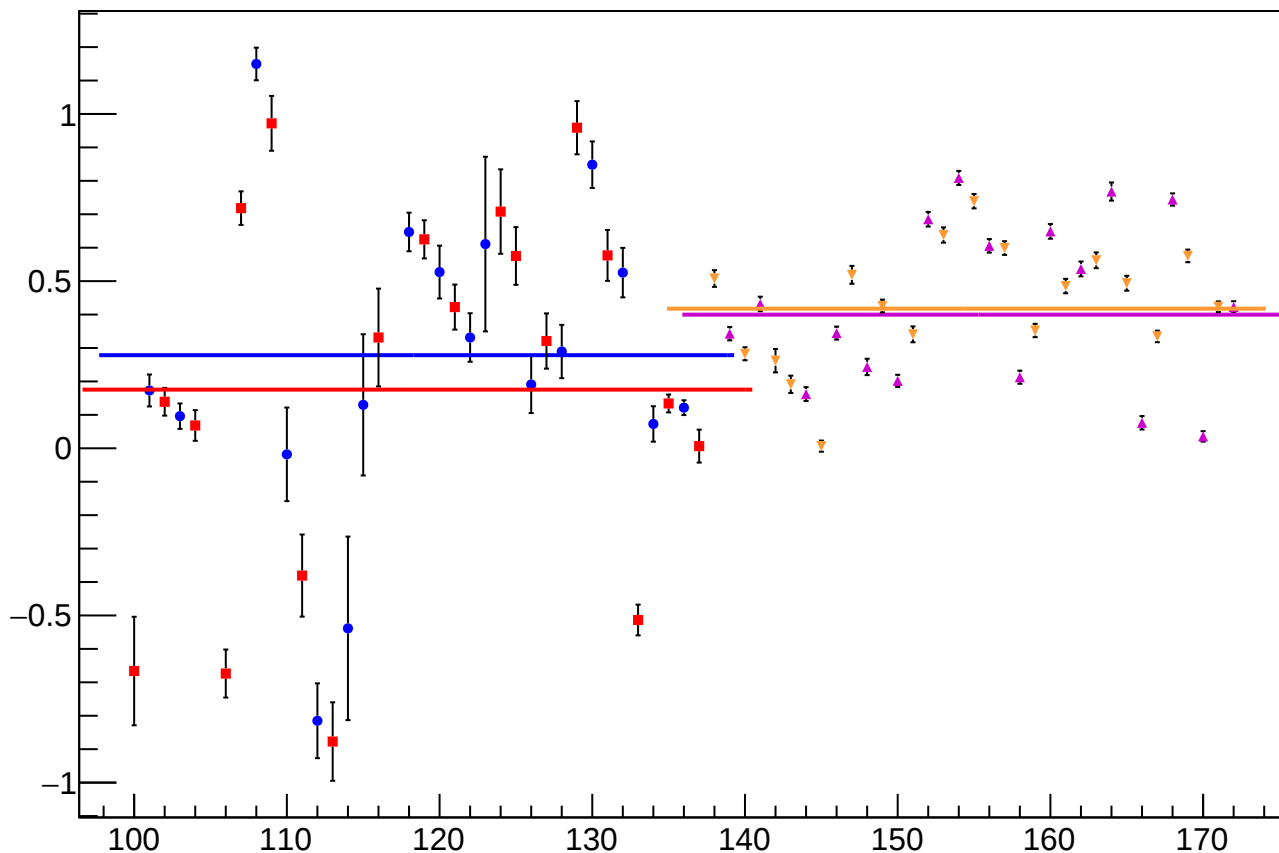
Right: -101.462 ± 0.176 χ^2/NDF : 10586.9/35

In: -78.226 ± 0.098 χ^2/NDF : 20641.2/33

Out: -80.438 ± 0.098 χ^2/NDF : 22696.6/36

All: -79.337 ± 0.069 χ^2/NDF : 43592.4/70

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.279 $\pm$ 0.014 χ^2 /NDF: 653.9/16

Left Out: 0.418 $\pm$ 0.005 χ^2 /NDF:1348.4/17

Right Out: 0.175 $\pm$ 0.013 χ^2 /NDF: 967.7/18

Left In: 0.400 $\pm$ 0.005 χ^2 /NDF:2551.7/16

Left: 0.409 $\pm$ 0.003 χ^2 /NDF: 3906.7/34

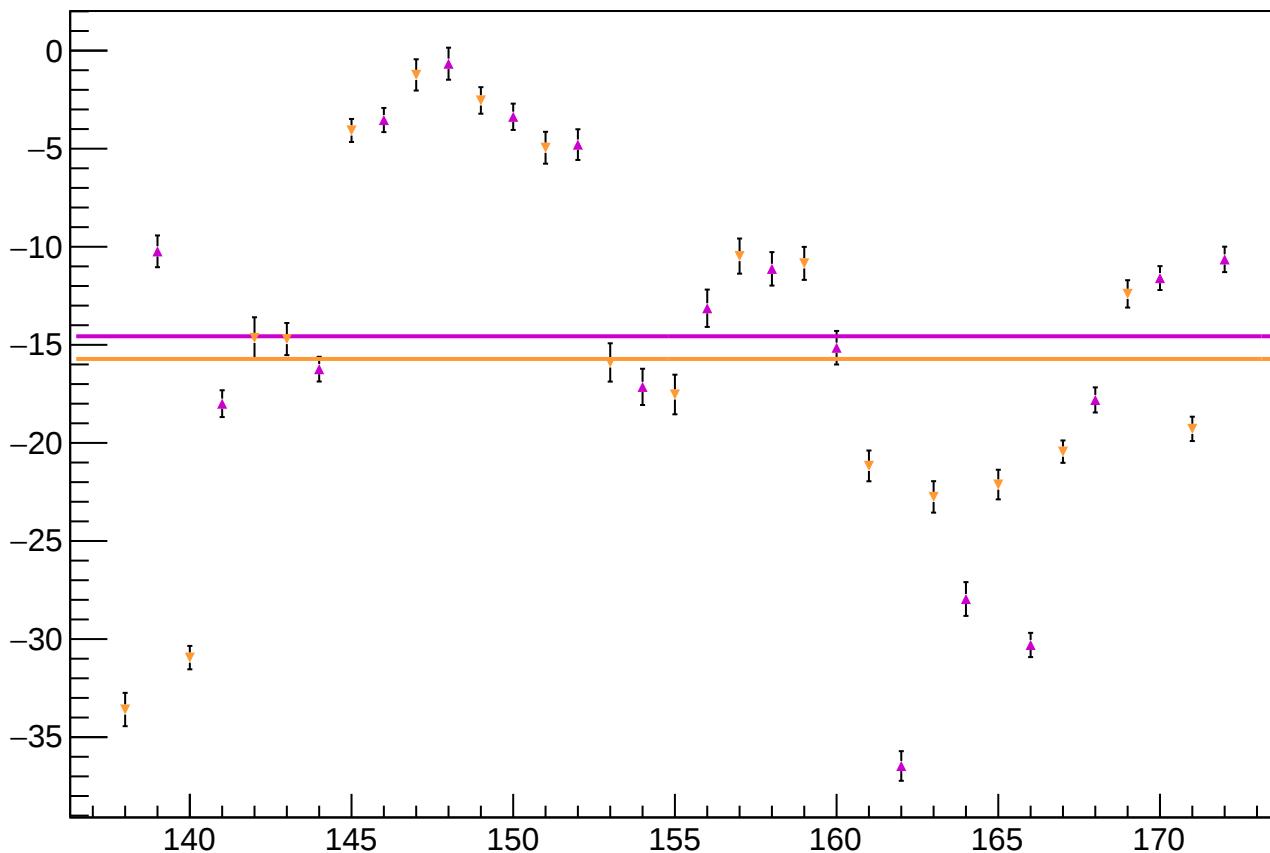
Right: 0.227 $\pm$ 0.010 χ^2 /NDF: 1650.8/35

In: 0.386 $\pm$ 0.005 χ^2 /NDF:3276.8/33

Out: 0.389 $\pm$ 0.005 χ^2 /NDF:2600.7/36

All: 0.387 $\pm$ 0.003 χ^2 /NDF: 5877.7/70

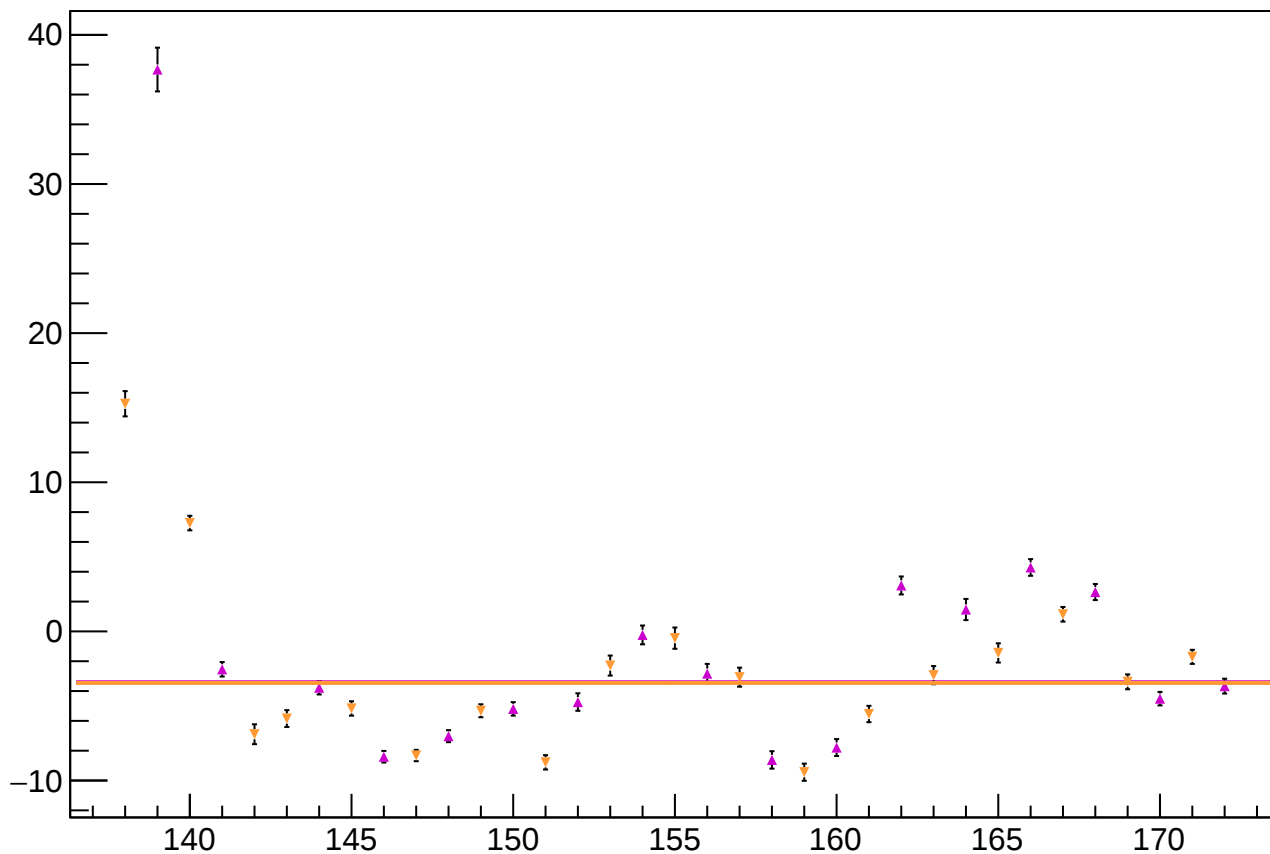
reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -15.719+/-0.176 χ^2/NDF : 2769.3/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -14.564+/-0.176 χ^2/NDF : 2951.8/16

Left: -15.138+/-0.124 χ^2/NDF : 5742.6/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -14.564+/-0.176 χ^2/NDF : 2951.8/16
 Out: -15.719+/-0.176 χ^2/NDF : 2769.3/17
 All: -15.138+/-0.124 χ^2/NDF : 5742.6/34

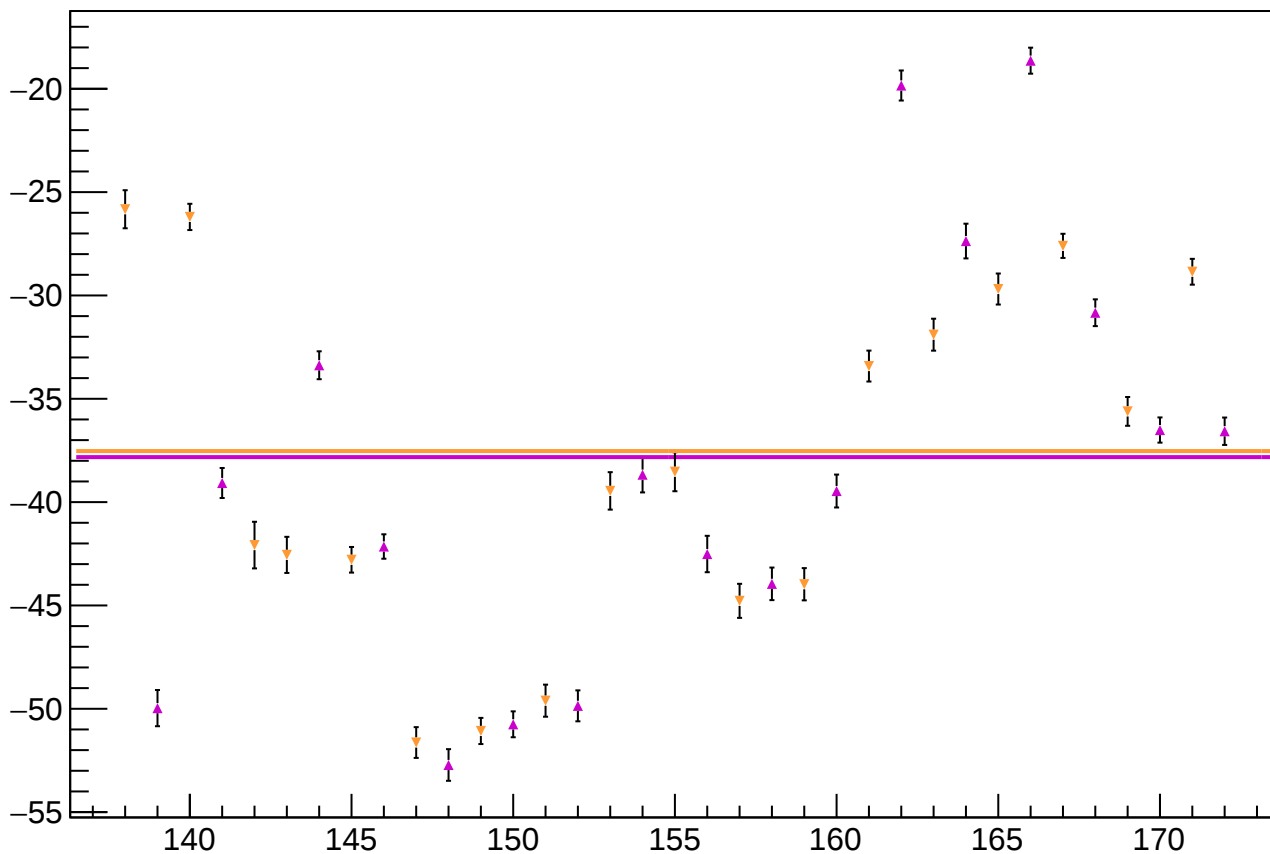
reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -3.455+/-0.127 χ^2/NDF :1585.3/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -3.409+/-0.128 χ^2/NDF :1702.8/16

Left: -3.432+/-0.090 χ^2/NDF : 3288.1/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -3.409+/-0.128 χ^2/NDF :1702.8/16
 Out: -3.455+/-0.127 χ^2/NDF :1585.3/17
 All: -3.432+/-0.090 χ^2/NDF : 3288.1/34

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



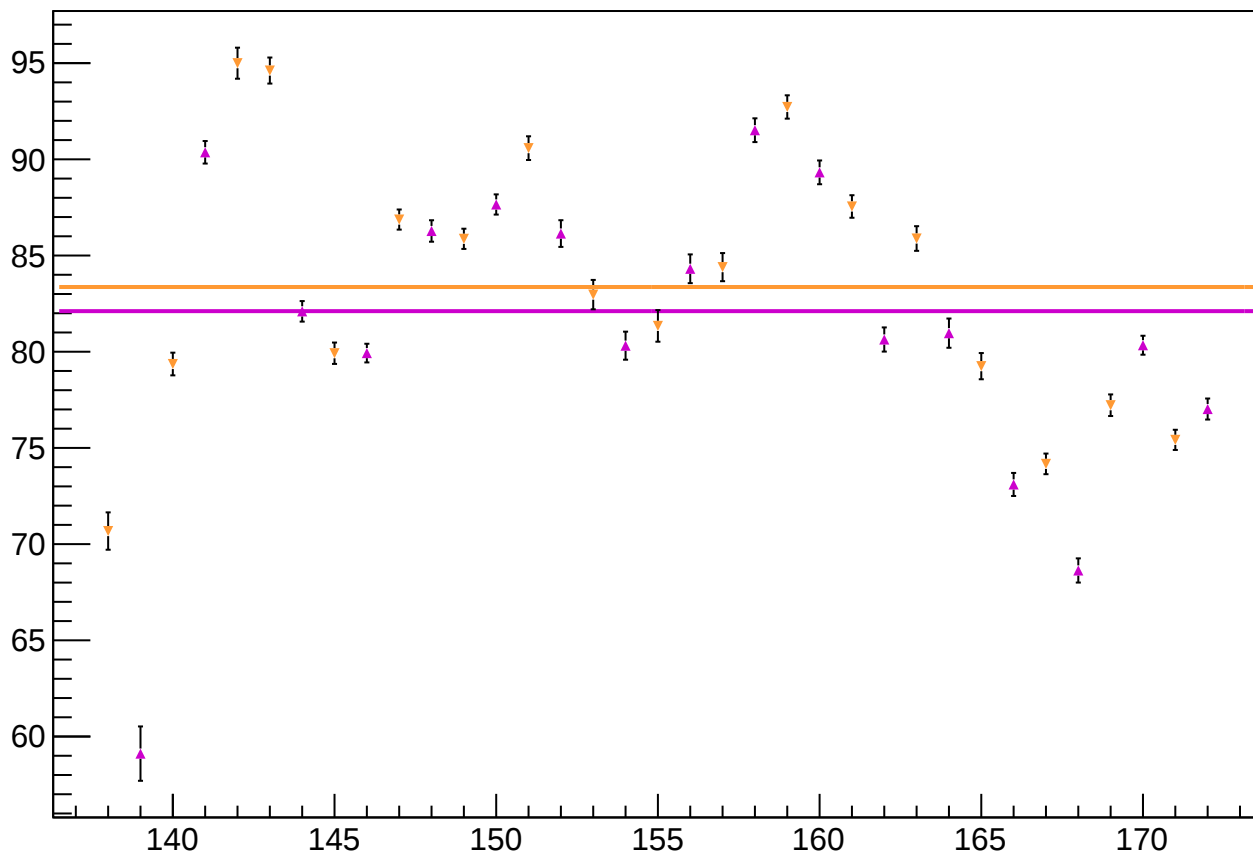
Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -37.529+/-0.175 χ^2/NDF :2493.1/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -37.822+/-0.173 χ^2/NDF :3269.1/16

Left: -37.678+/-0.123 χ^2/NDF : 5763.6/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.822+/-0.173 χ^2/NDF :3269.1/16
 Out: -37.529+/-0.175 χ^2/NDF :2493.1/17

All: -37.678+/-0.123 χ^2/NDF : 5763.6/34

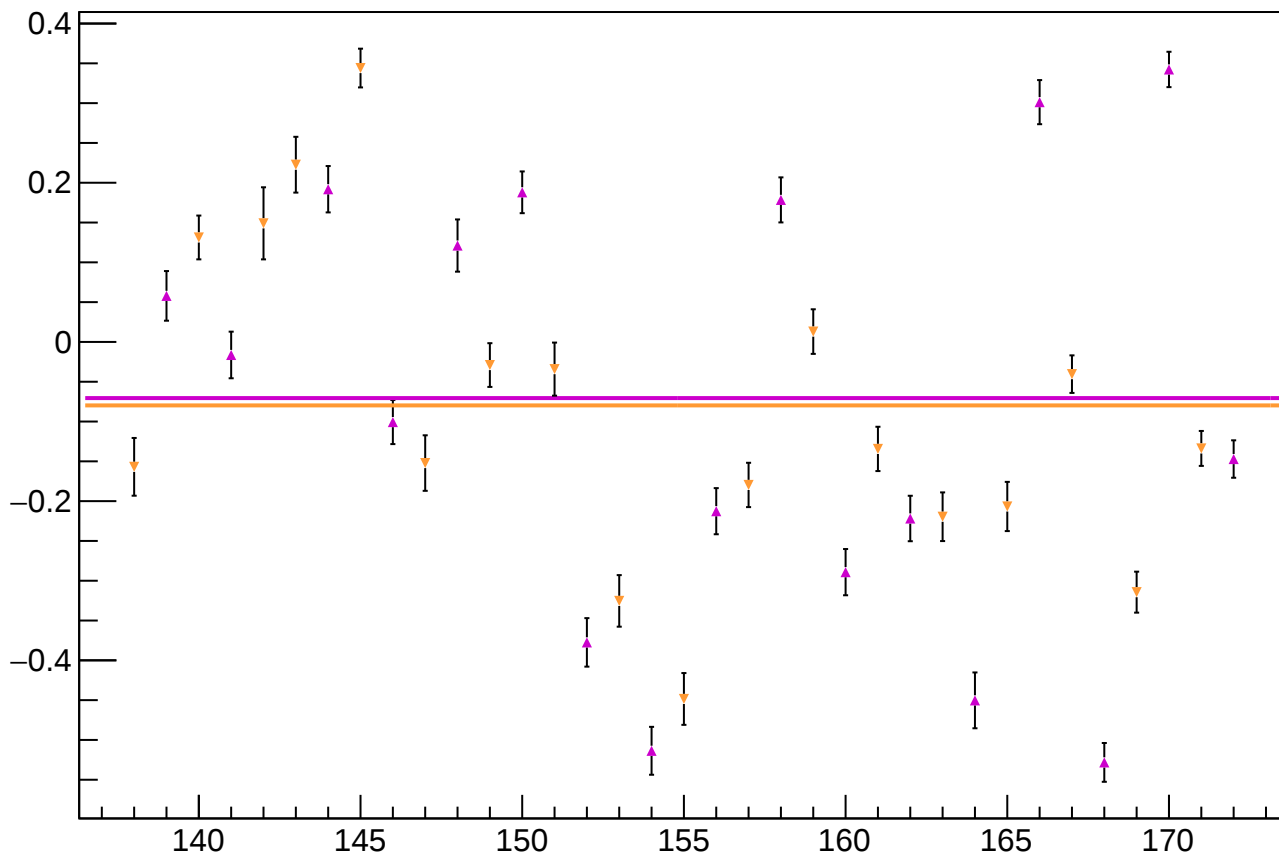
reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 83.364+/-0.147 χ^2/NDF :1935.9/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 82.109+/-0.147 χ^2/NDF :1860.7/16

Left: 82.739+/-0.104 χ^2/NDF : 3833.0/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 82.109+/-0.147 χ^2/NDF :1860.7/16
 Out: 83.364+/-0.147 χ^2/NDF :1935.9/17
 All: 82.739+/-0.104 χ^2/NDF : 3833.0/34

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -0.080 $\pm$ 0.007 χ^2 /NDF:819.3/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -0.071 $\pm$ 0.007 χ^2 /NDF:1744.7/16

Left: -0.075 $\pm$ 0.005 χ^2 /NDF: 2564.9/34

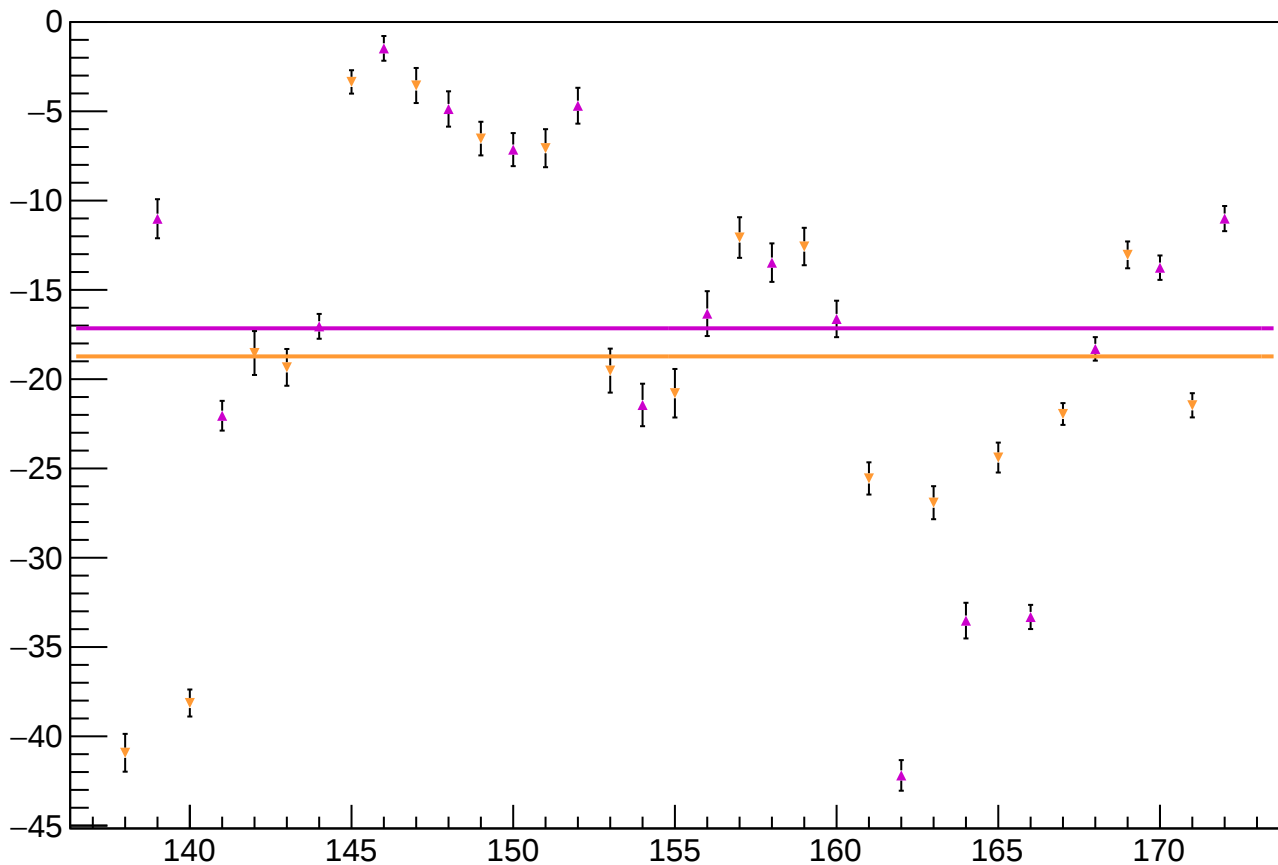
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: -0.071 $\pm$ 0.007 χ^2 /NDF:1744.7/16

Out: -0.080 $\pm$ 0.007 χ^2 /NDF:819.3/17

All: -0.075 $\pm$ 0.005 χ^2 /NDF: 2564.9/34

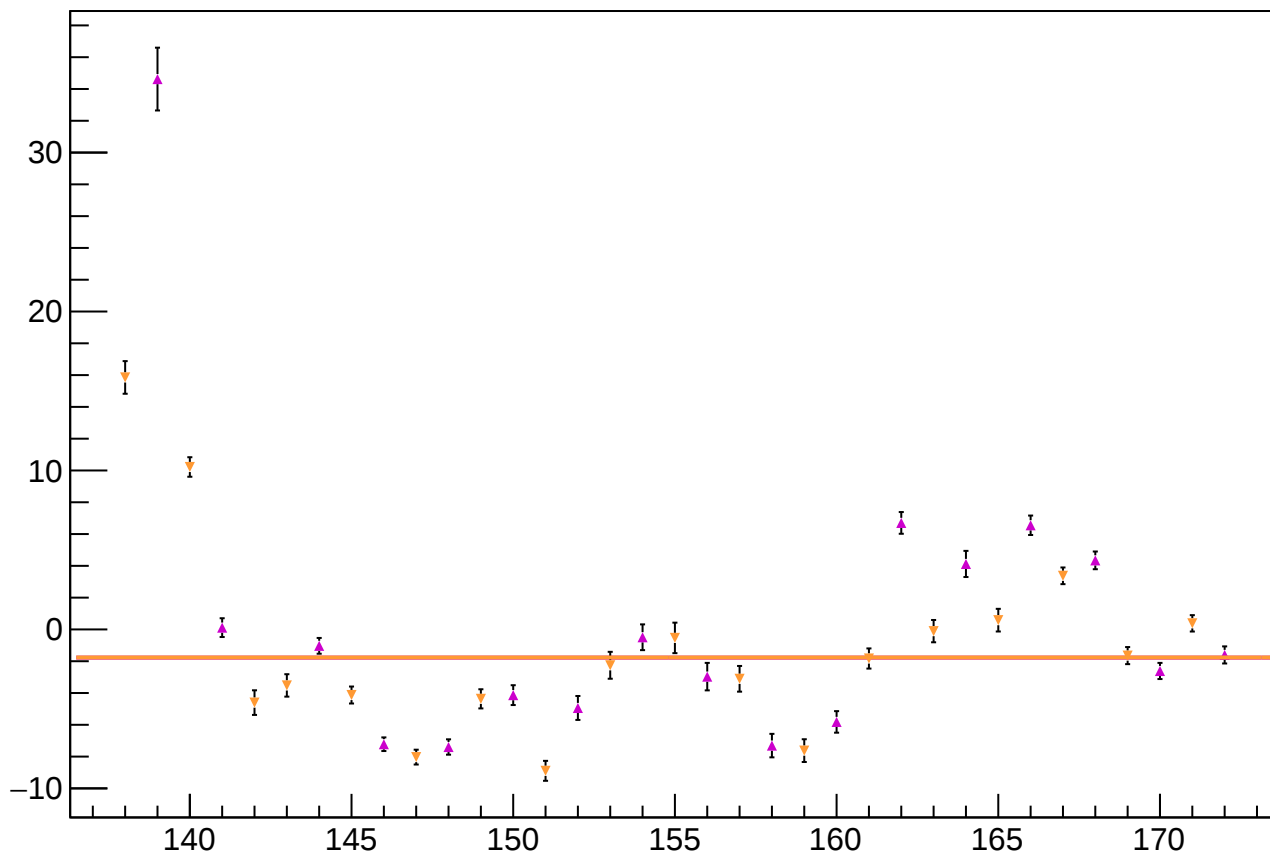
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -18.725+/-0.209 χ^2/NDF :2529.5/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -17.152+/-0.205 χ^2/NDF :2825.1/16

Left: -17.925+/-0.146 χ^2/NDF : 5383.5/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -17.152+/-0.205 χ^2/NDF :2825.1/16
 Out: -18.725+/-0.209 χ^2/NDF :2529.5/17
 All: -17.925+/-0.146 χ^2/NDF : 5383.5/34

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.765+/-0.151 χ^2/NDF :1243.7/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.775+/-0.149 χ^2/NDF :1290.9/16

Left: -1.770+/-0.106 χ^2/NDF : 2534.6/34

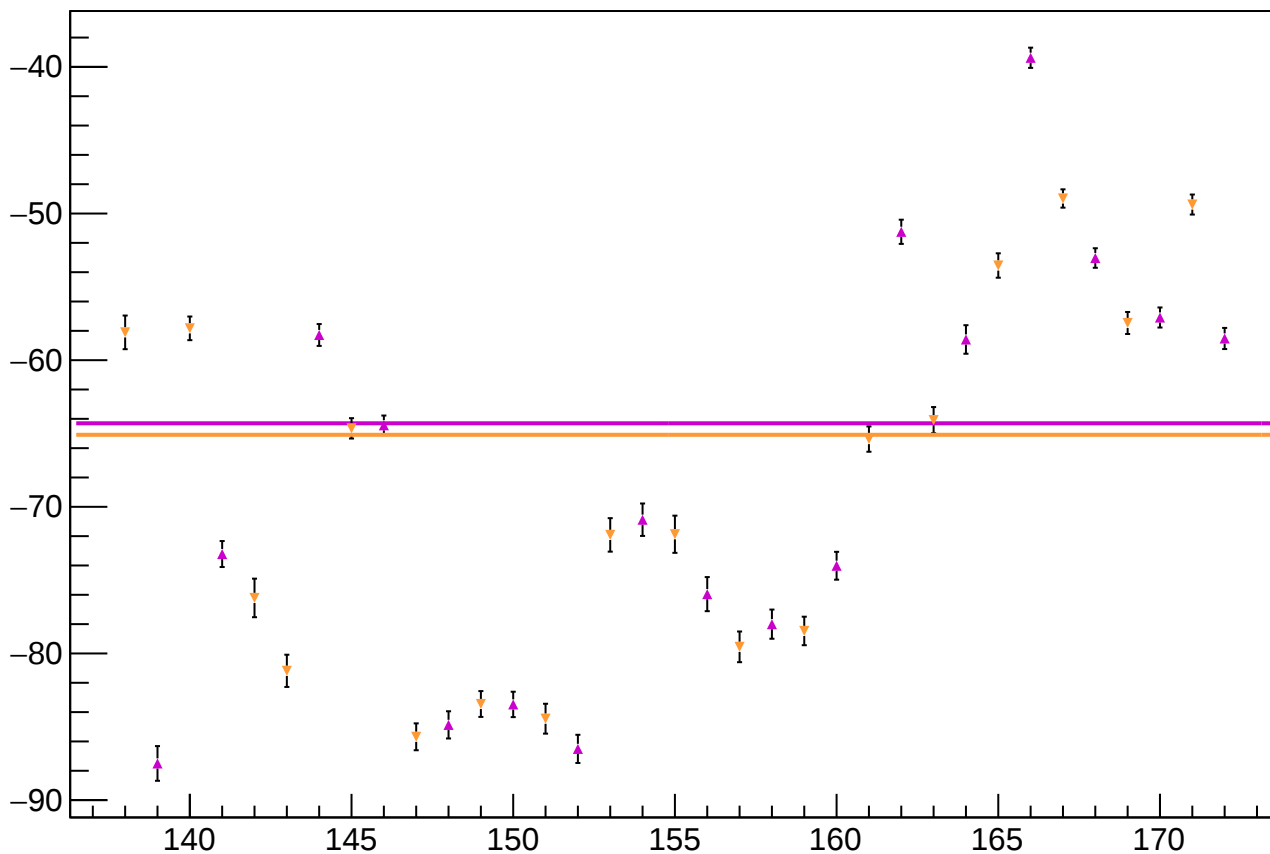
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -1.775+/-0.149 χ^2/NDF :1290.9/16

Out: -1.765+/-0.151 χ^2/NDF :1243.7/17

All: -1.770+/-0.106 χ^2/NDF : 2534.6/34

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -65.088 $\pm$ 0.208 χ^2/NDF :3640.9/17

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

Left In: -64.303 $\pm$ 0.203 χ^2/NDF :4549.6/16

Left: -64.686 $\pm$ 0.145 χ^2/NDF : 8197.8/34

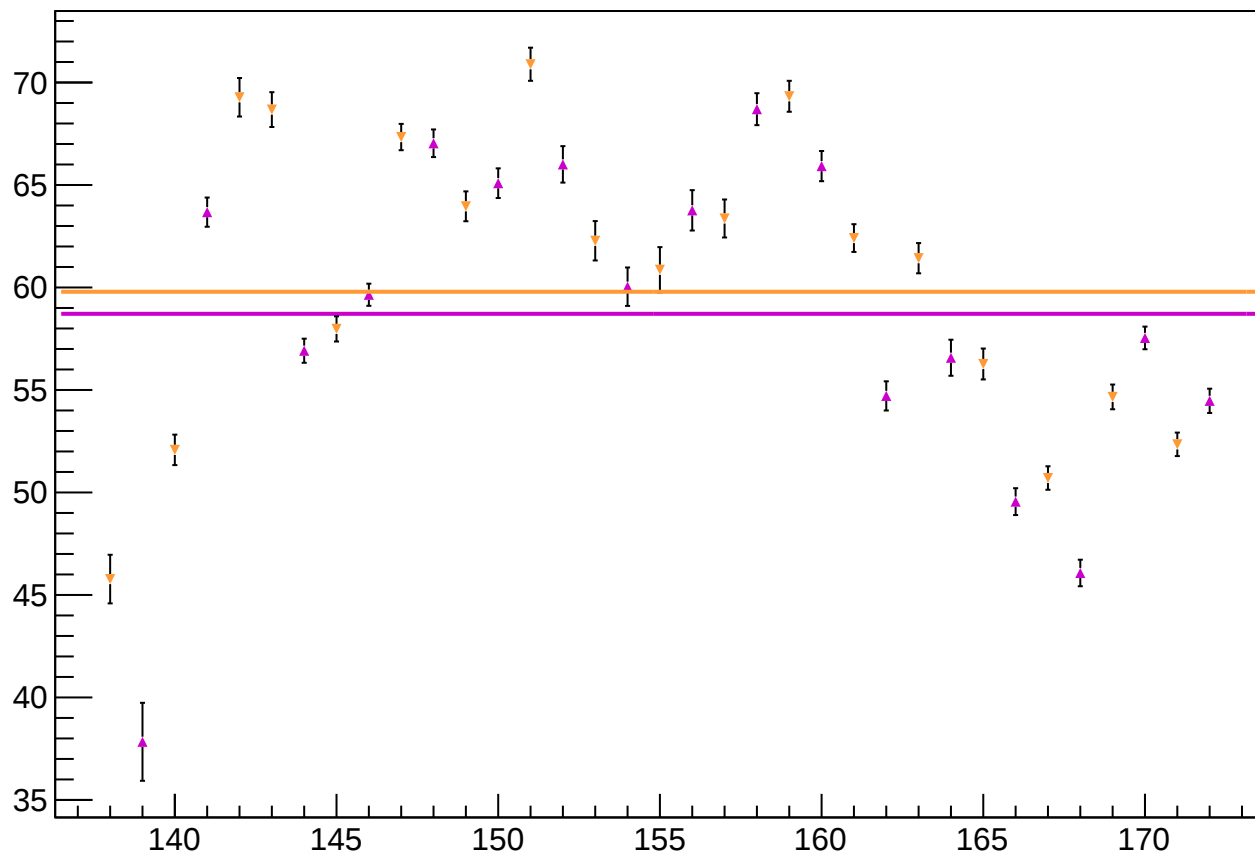
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: -64.303 $\pm$ 0.203 χ^2/NDF :4549.6/16

Out: -65.088 $\pm$ 0.208 χ^2/NDF :3640.9/17

All: -64.686 $\pm$ 0.145 χ^2/NDF : 8197.8/34

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: 59.791+/-0.174 χ^2/NDF :1543.5/17

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

Left In: 58.715+/-0.172 χ^2/NDF :1436.4/16

Left: 59.247+/-0.122 χ^2/NDF : 2999.3/34

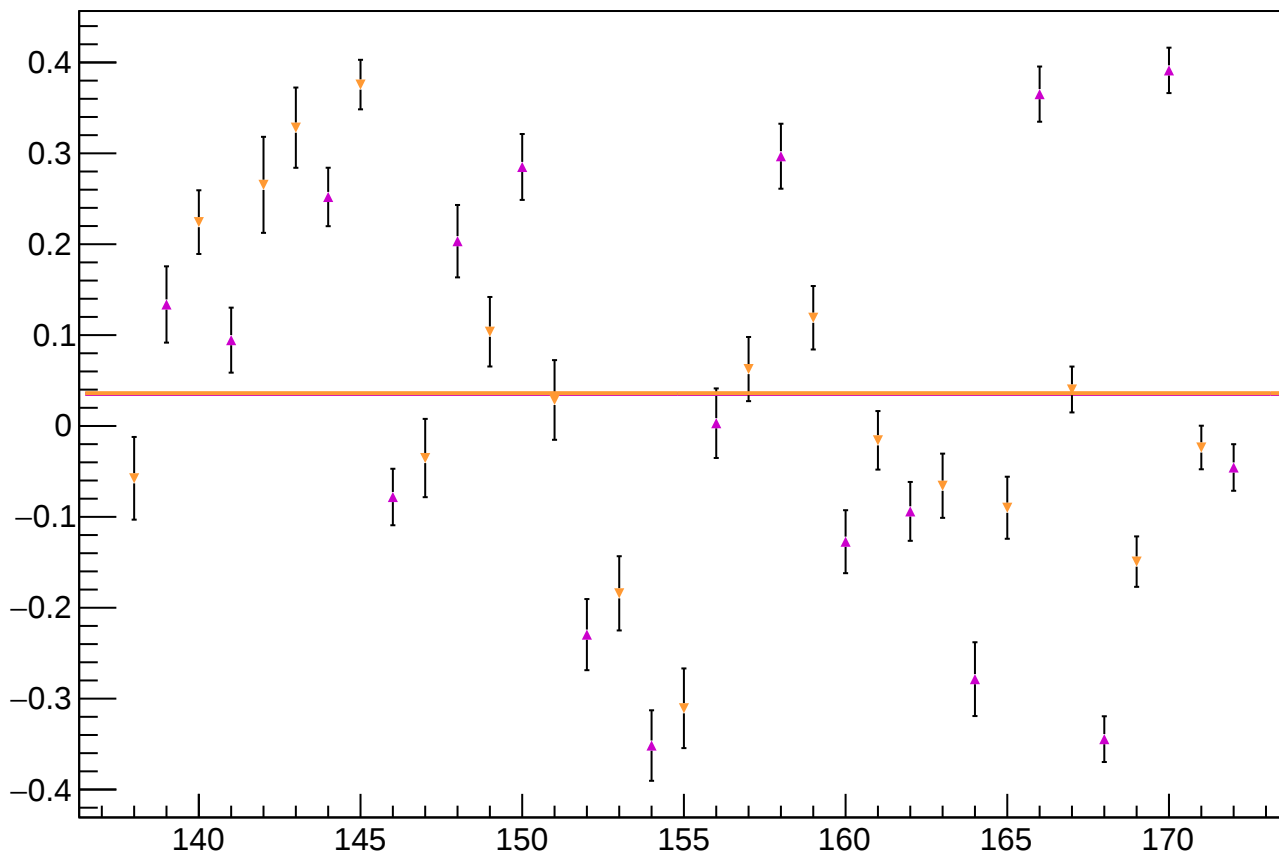
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 58.715+/-0.172 χ^2/NDF :1436.4/16

Out: 59.791+/-0.174 χ^2/NDF :1543.5/17

All: 59.247+/-0.122 χ^2/NDF : 2999.3/34

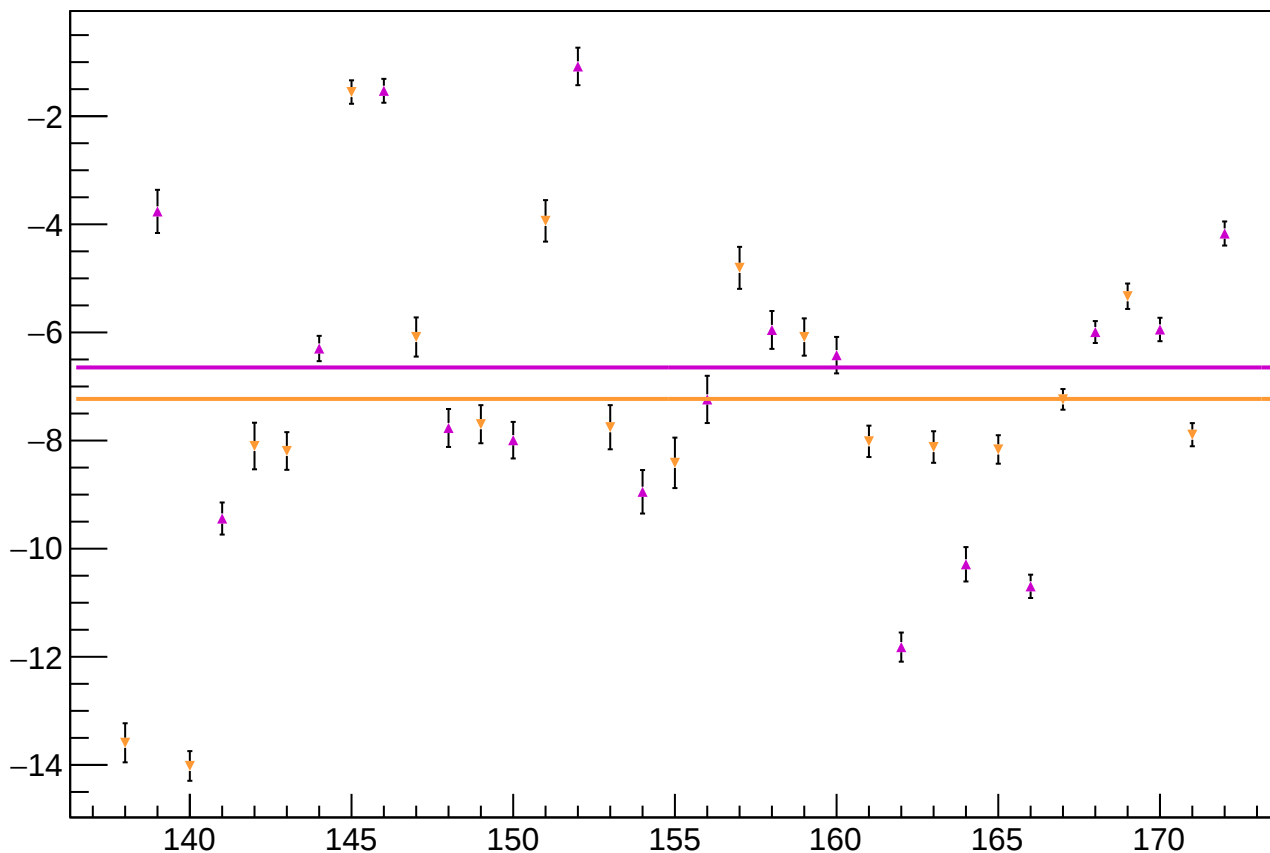
reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.036 $\pm$ 0.008 χ^2 /NDF:430.1/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.035 $\pm$ 0.008 χ^2 /NDF:988.1/16

Left: 0.036 $\pm$ 0.006 χ^2 /NDF: 1418.1/34
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.035 $\pm$ 0.008 χ^2 /NDF:988.1/16
 Out: 0.036 $\pm$ 0.008 χ^2 /NDF:430.1/17
 All: 0.036 $\pm$ 0.006 χ^2 /NDF: 1418.1/34

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.230+/-0.069 χ^2/NDF :1864.1/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.648+/-0.067 χ^2/NDF :1998.2/16

Left: -6.931+/-0.048 χ^2/NDF : 3898.7/34

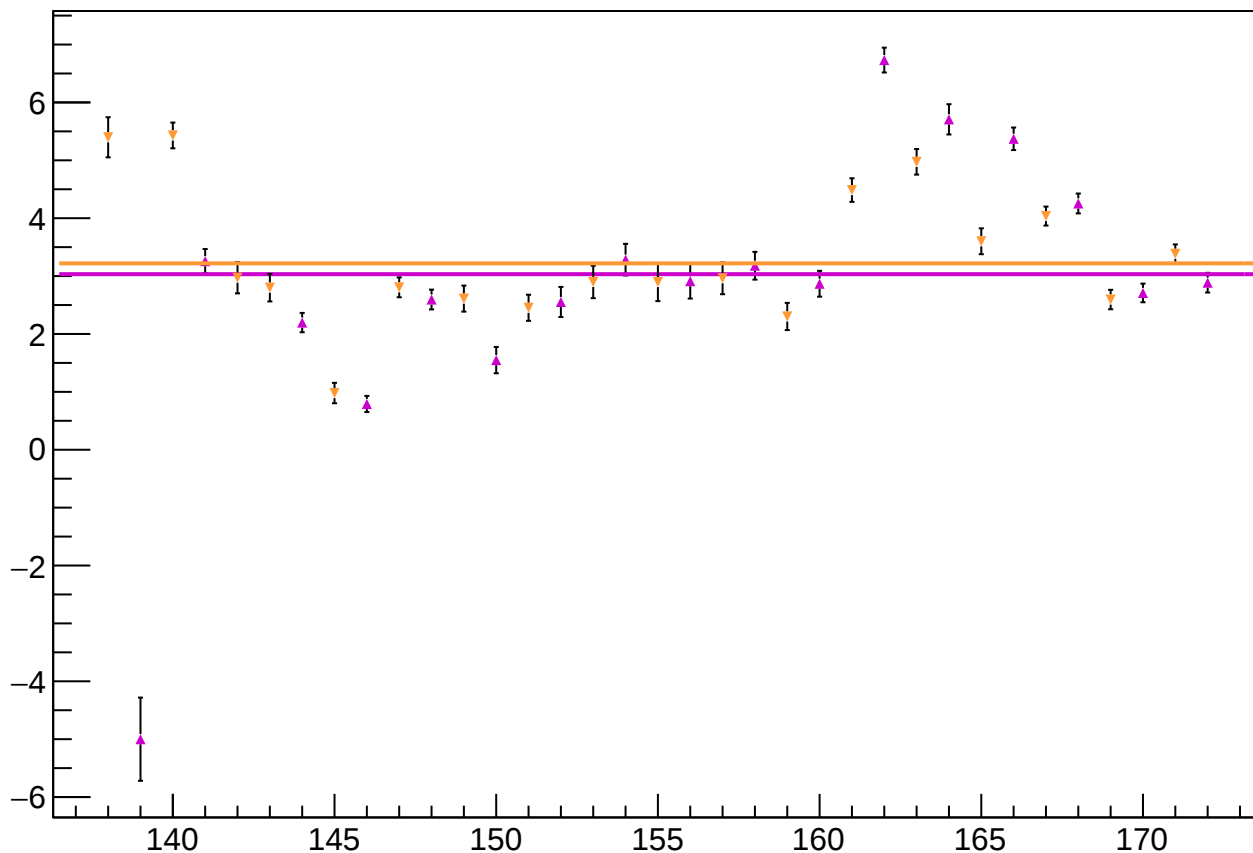
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -6.648+/-0.067 χ^2/NDF :1998.2/16

Out: -7.230+/-0.069 χ^2/NDF :1864.1/17

All: -6.931+/-0.048 χ^2/NDF : 3898.7/34

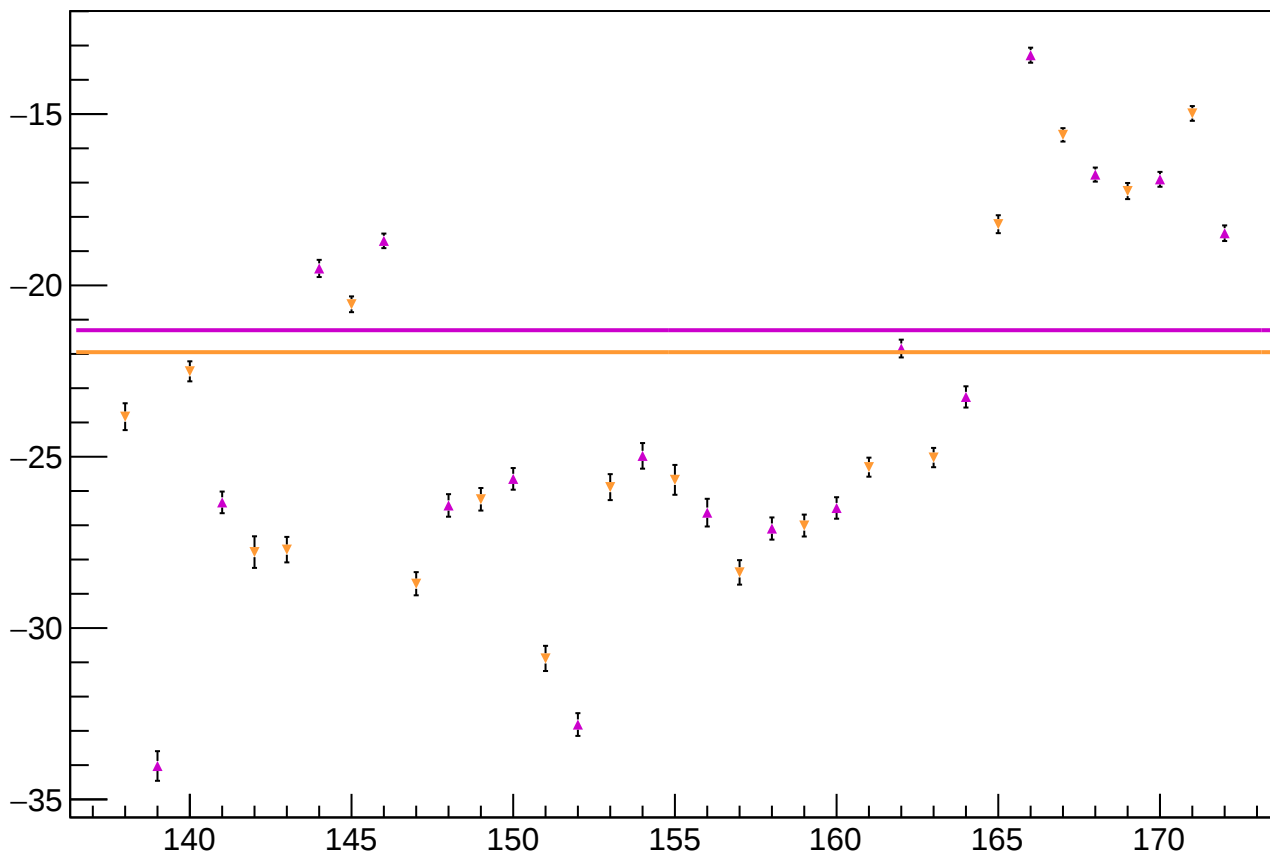
reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 3.220+/-0.050 χ^2/NDF :491.0/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 3.033+/-0.049 χ^2/NDF :1065.7/16

Left: 3.124+/-0.035 χ^2/NDF : 1563.7/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 3.033+/-0.049 χ^2/NDF :1065.7/16
 Out: 3.220+/-0.050 χ^2/NDF :491.0/17
 All: 3.124+/-0.035 χ^2/NDF : 1563.7/34

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



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

Left Out: -21.948+/-0.069 χ^2/NDF : 5344.6/17

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

Left In: -21.308+/-0.067 χ^2/NDF : 6246.9/16

Left: -21.617+/-0.048 χ^2/NDF : 11636.1/34

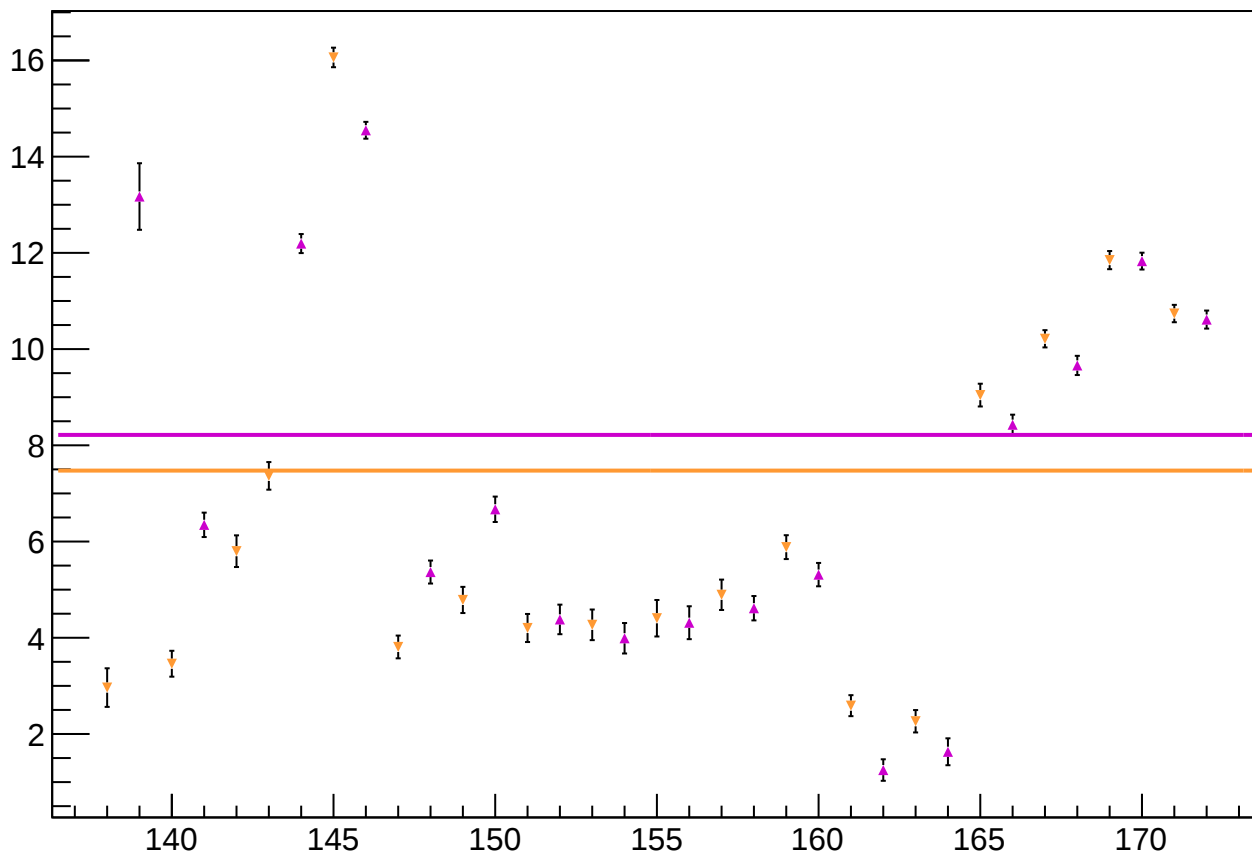
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -21.308+/-0.067 χ^2/NDF : 6246.9/16

Out: -21.948+/-0.069 χ^2/NDF : 5344.6/17

All: -21.617+/-0.048 χ^2/NDF : 11636.1/34

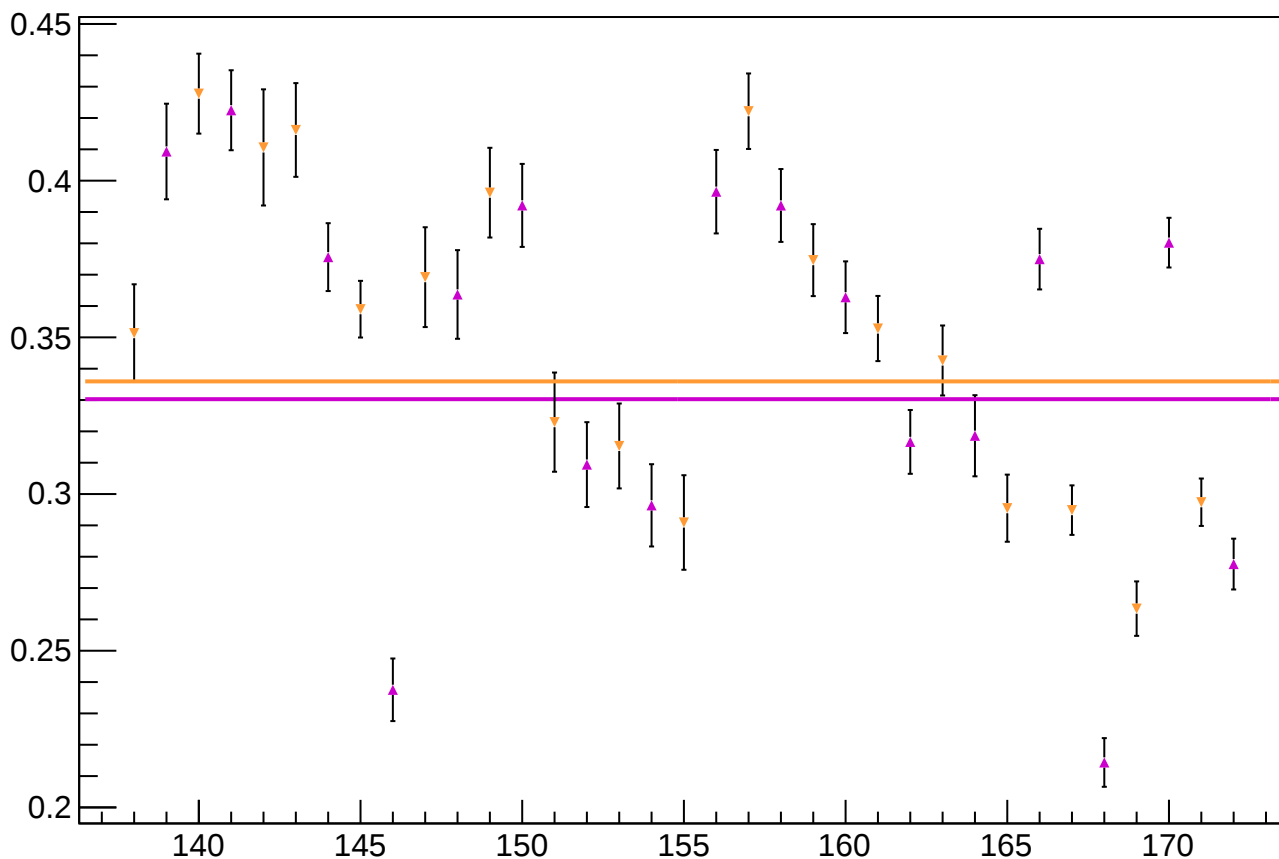
reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 7.475+/-0.058 χ^2/NDF :5044.2/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.216+/-0.057 χ^2/NDF :4974.7/16

Left: 7.853+/-0.040 χ^2/NDF : 10102.8/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.216+/-0.057 χ^2/NDF :4974.7/16
 Out: 7.475+/-0.058 χ^2/NDF :5044.2/17
 All: 7.853+/-0.040 χ^2/NDF : 10102.8/34

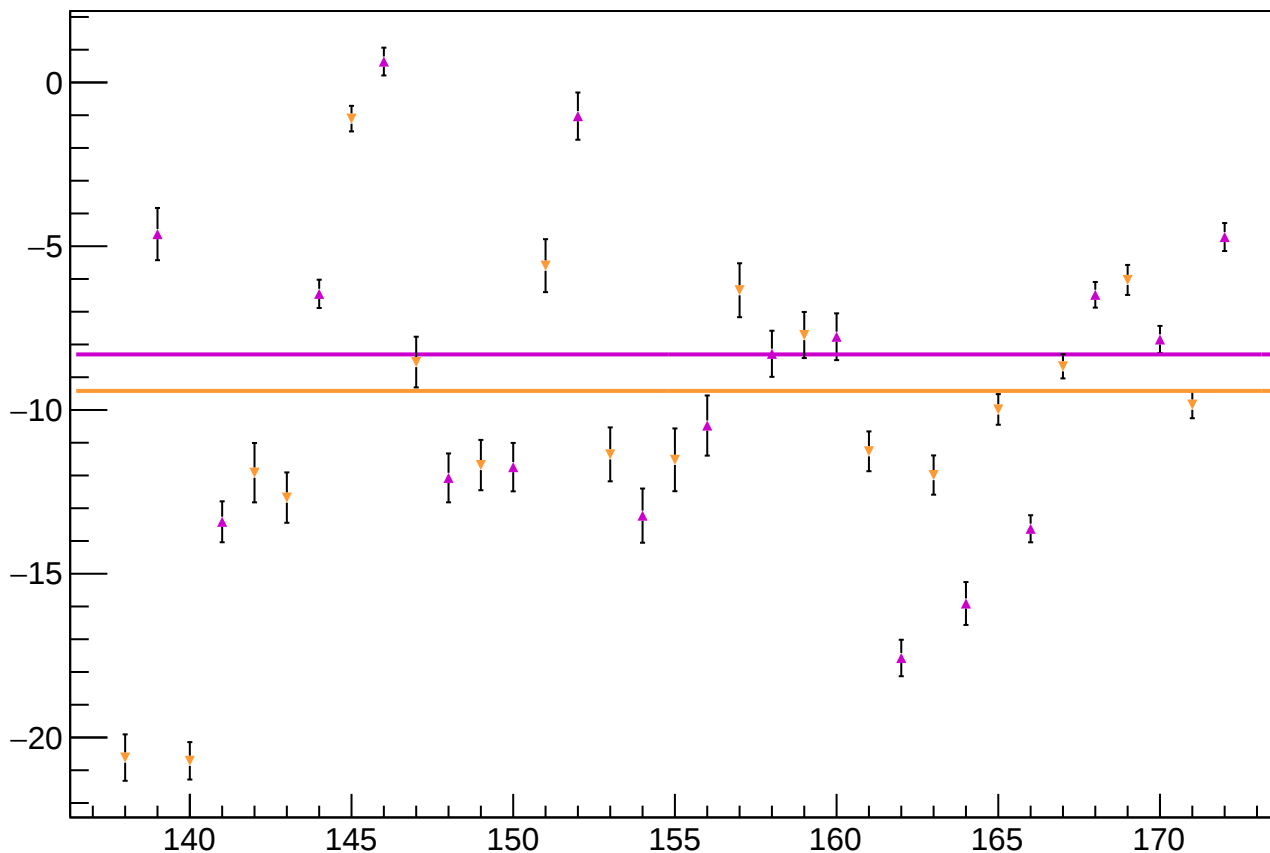
reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.336 $\pm$ 0.003 χ^2 /NDF:340.8/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.330 $\pm$ 0.003 χ^2 /NDF:608.7/16

Left: 0.333 $\pm$ 0.002 χ^2 /NDF: 951.7/34
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.330 $\pm$ 0.003 χ^2 /NDF:608.7/16
 Out: 0.336 $\pm$ 0.003 χ^2 /NDF:340.8/17
 All: 0.333 $\pm$ 0.002 χ^2 /NDF: 951.7/34

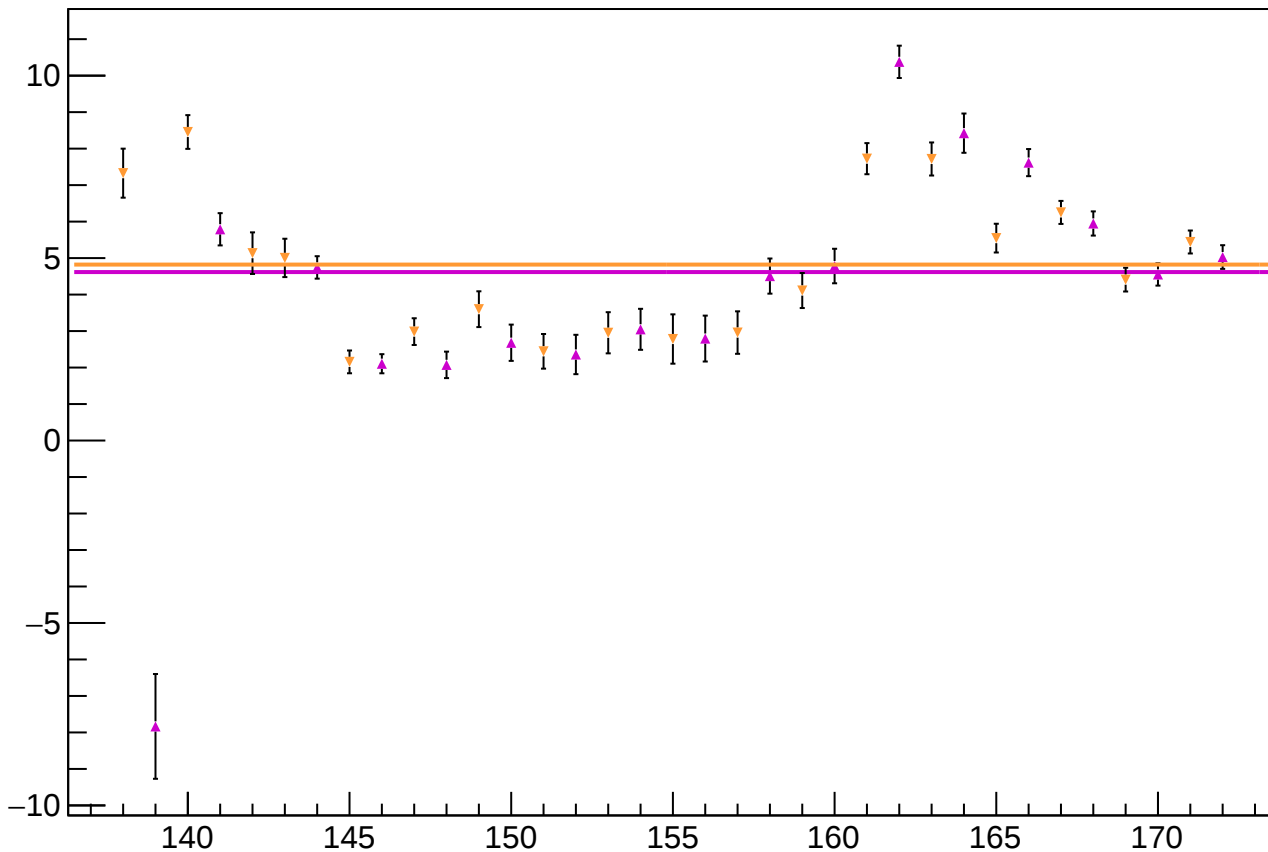
reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: -9.418 $\pm$ 0.137 χ^2 /NDF:1271.5/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: -8.303 $\pm$ 0.133 χ^2 /NDF:1412.3/16

Left: -8.845 $\pm$ 0.095 χ^2 /NDF: 2717.9/34
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: -8.303 $\pm$ 0.133 χ^2 /NDF:1412.3/16
 Out: -9.418 $\pm$ 0.137 χ^2 /NDF:1271.5/17
 All: -8.845 $\pm$ 0.095 χ^2 /NDF: 2717.9/34

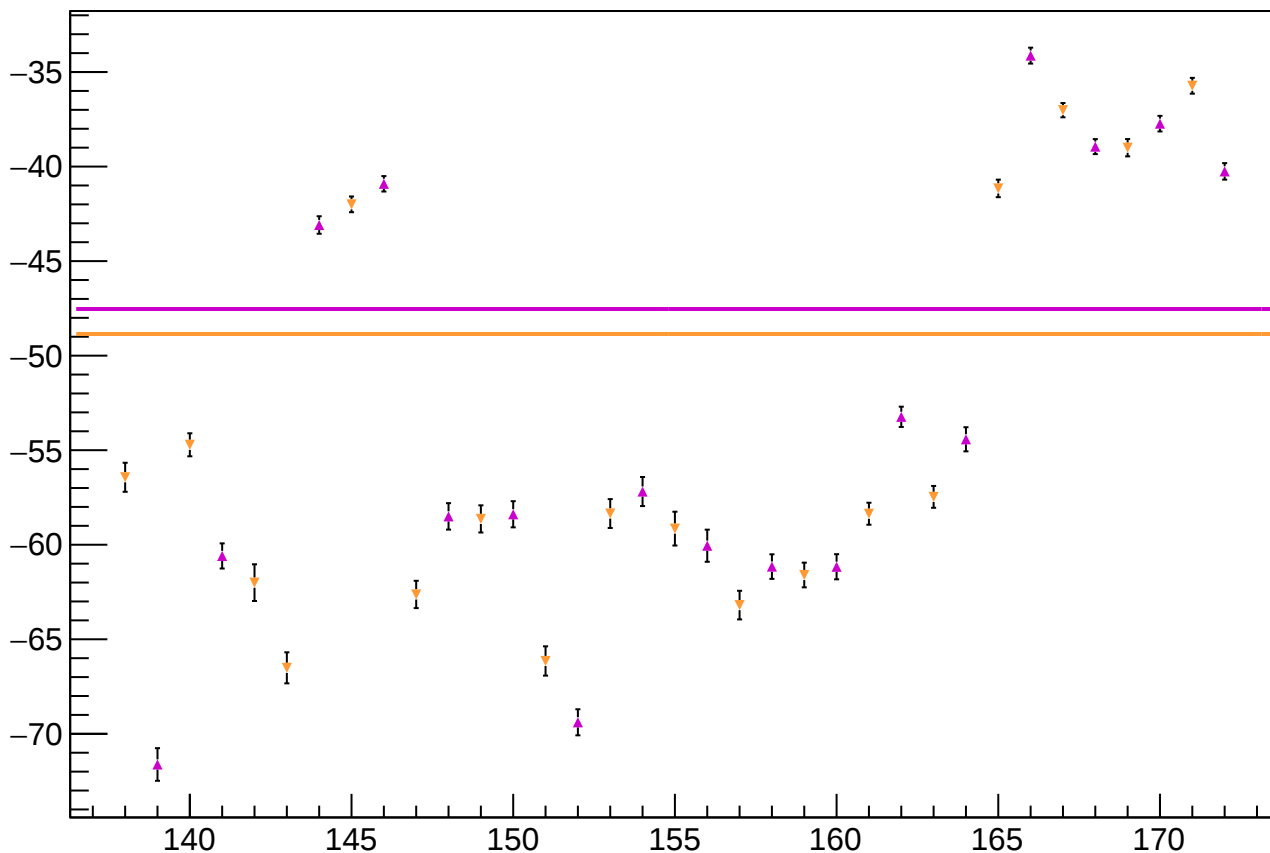
reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left Out: 4.822+/-0.101 χ^2 /NDF:354.6/17
 Right Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 Left In: 4.617+/-0.097 χ^2 /NDF:574.5/16

Left: 4.716+/-0.070 χ^2 /NDF: 931.3/34
 Right: 0.000+/-0.000 χ^2 /NDF: 0.0/0
 In: 4.617+/-0.097 χ^2 /NDF:574.5/16
 Out: 4.822+/-0.101 χ^2 /NDF:354.6/17
 All: 4.716+/-0.070 χ^2 /NDF: 931.3/34

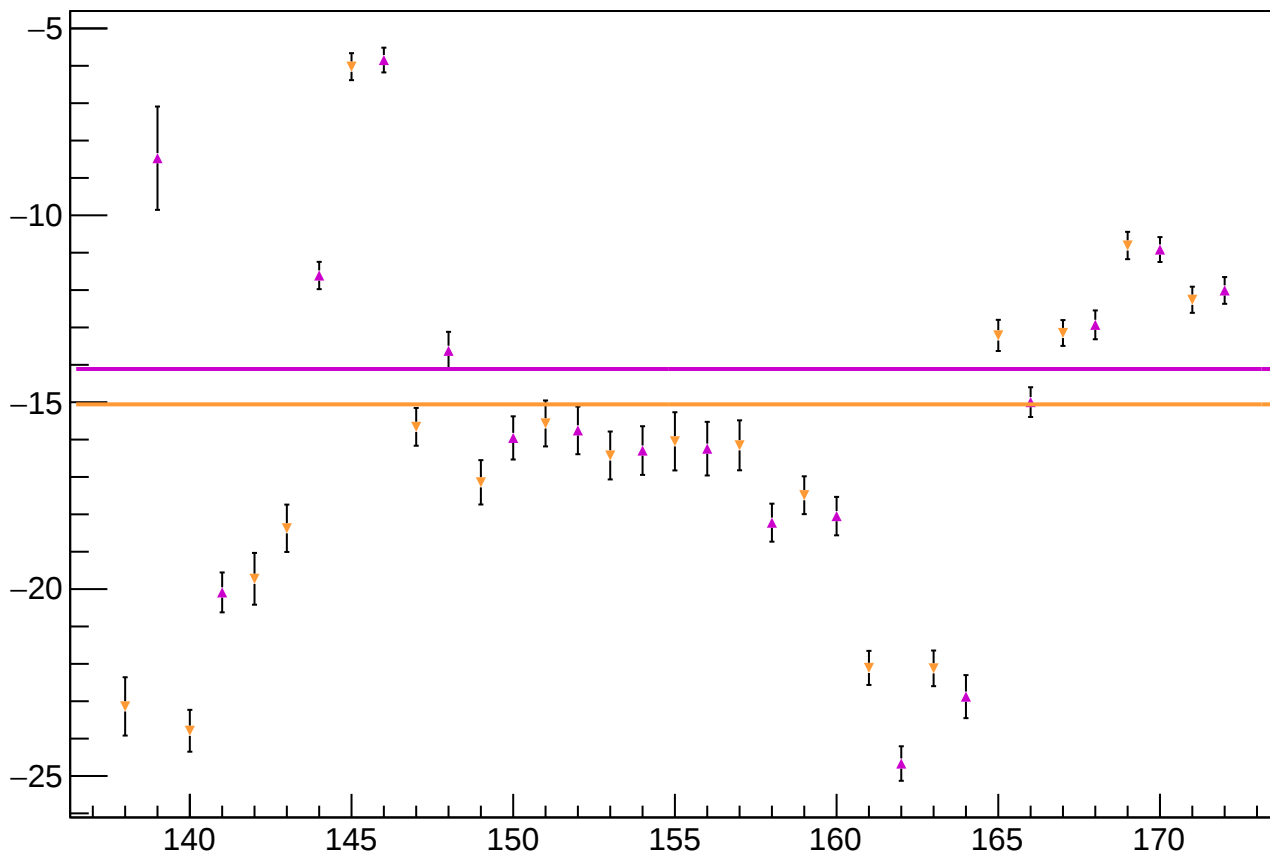
reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -48.855+/-0.137 χ^2/NDF : 6382.7/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -47.533+/-0.132 χ^2/NDF : 6807.1/16

Left: -48.171+/-0.095 χ^2/NDF : 13238.1/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -47.533+/-0.132 χ^2/NDF : 6807.1/16
 Out: -48.855+/-0.137 χ^2/NDF : 6382.7/17
 All: -48.171+/-0.095 χ^2/NDF : 13238.1/34

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -15.058+/-0.115 χ^2/NDF :1803.8/17

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

Left In: -14.111+/-0.112 χ^2/NDF :1868.9/16

Left: -14.573+/-0.080 χ^2/NDF : 3707.4/34

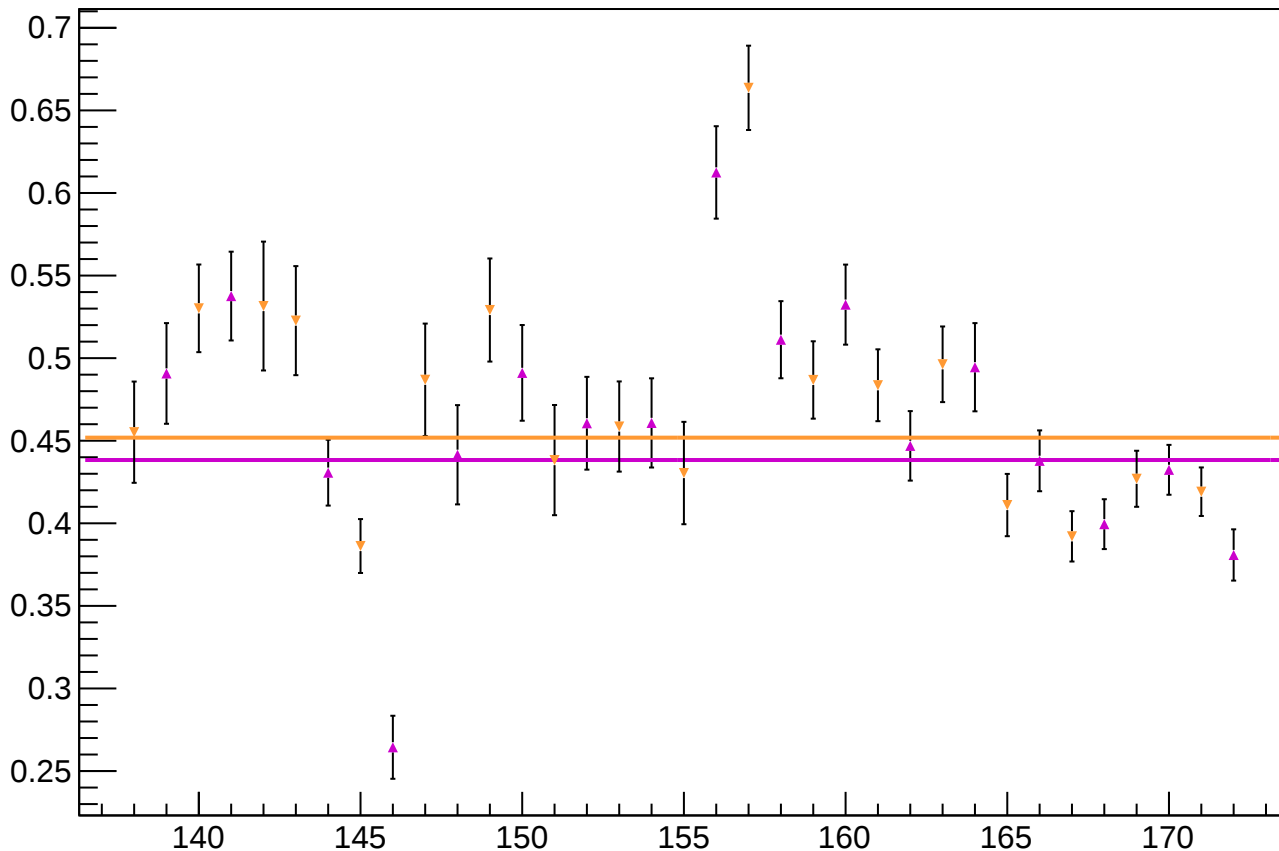
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -14.111+/-0.112 χ^2/NDF :1868.9/16

Out: -15.058+/-0.115 χ^2/NDF :1803.8/17

All: -14.573+/-0.080 χ^2/NDF : 3707.4/34

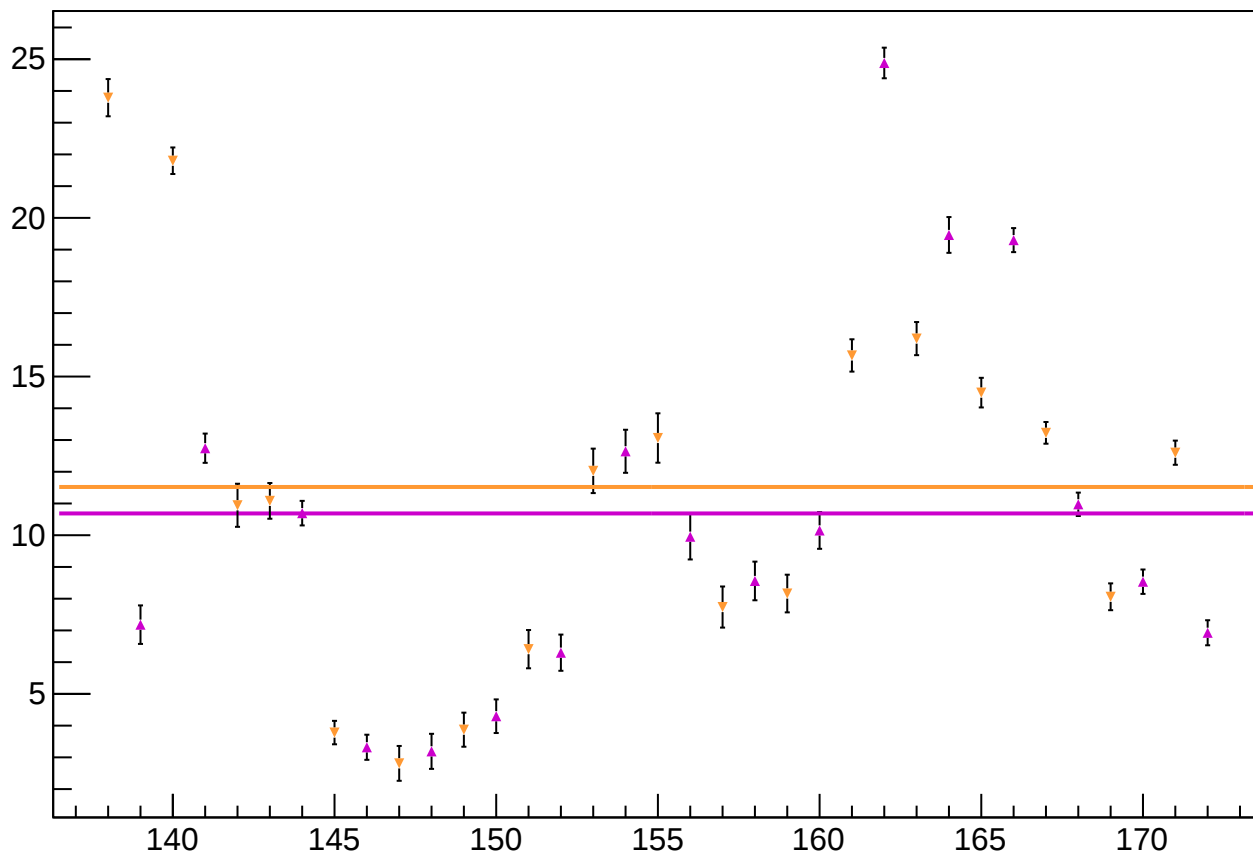
reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: 0.452 ± 0.005 $\chi^2/\text{NDF}: 145.7/17$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: 0.438 ± 0.005 $\chi^2/\text{NDF}: 193.1/16$

Left: 0.445 ± 0.004 $\chi^2/\text{NDF}: 342.0/34$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 In: 0.438 ± 0.005 $\chi^2/\text{NDF}: 193.1/16$
 Out: 0.452 ± 0.005 $\chi^2/\text{NDF}: 145.7/17$
 All: 0.445 ± 0.004 $\chi^2/\text{NDF}: 342.0/34$

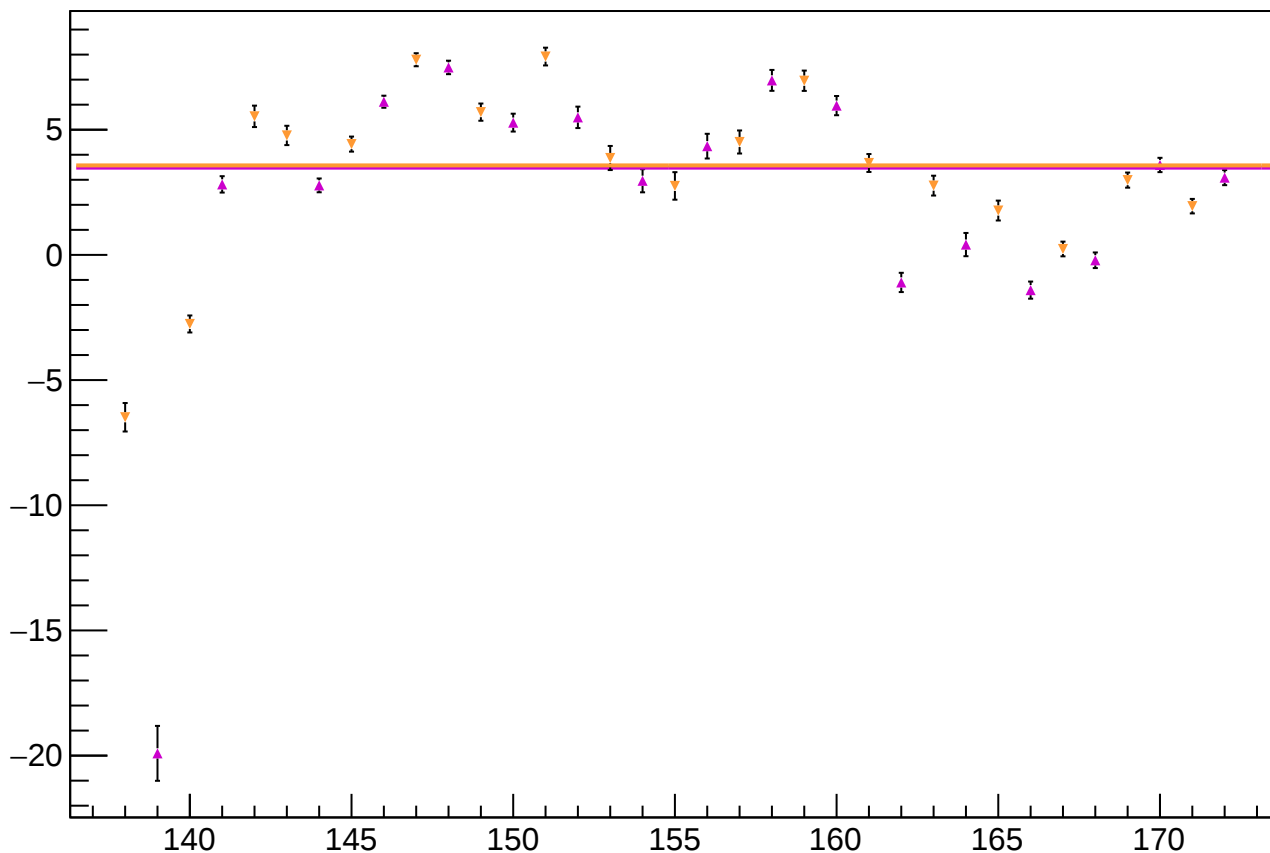
reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 11.520+/-0.117 χ^2/NDF :2365.3/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 10.686+/-0.115 χ^2/NDF :2559.7/16

Left: 11.097+/-0.082 χ^2/NDF : 4950.8/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 10.686+/-0.115 χ^2/NDF :2559.7/16
 Out: 11.520+/-0.117 χ^2/NDF :2365.3/17
 All: 11.097+/-0.082 χ^2/NDF : 4950.8/34

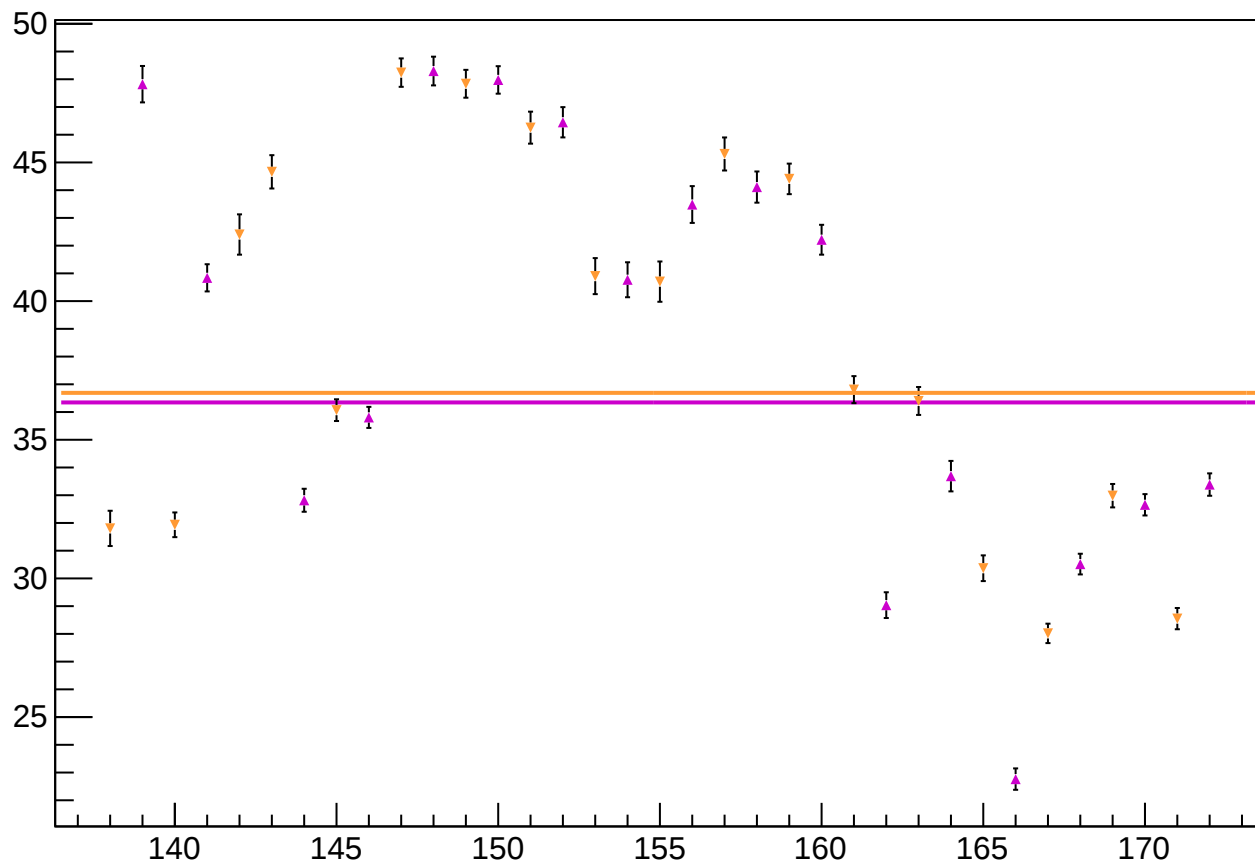
reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 3.574 $\pm$ 0.085 χ^2 /NDF:1414.7/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 3.485 $\pm$ 0.084 χ^2 /NDF:1501.8/16

Left: 3.529 $\pm$ 0.060 χ^2 /NDF: 2917.0/34
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 3.485 $\pm$ 0.084 χ^2 /NDF:1501.8/16
 Out: 3.574 $\pm$ 0.085 χ^2 /NDF:1414.7/17
 All: 3.529 $\pm$ 0.060 χ^2 /NDF: 2917.0/34

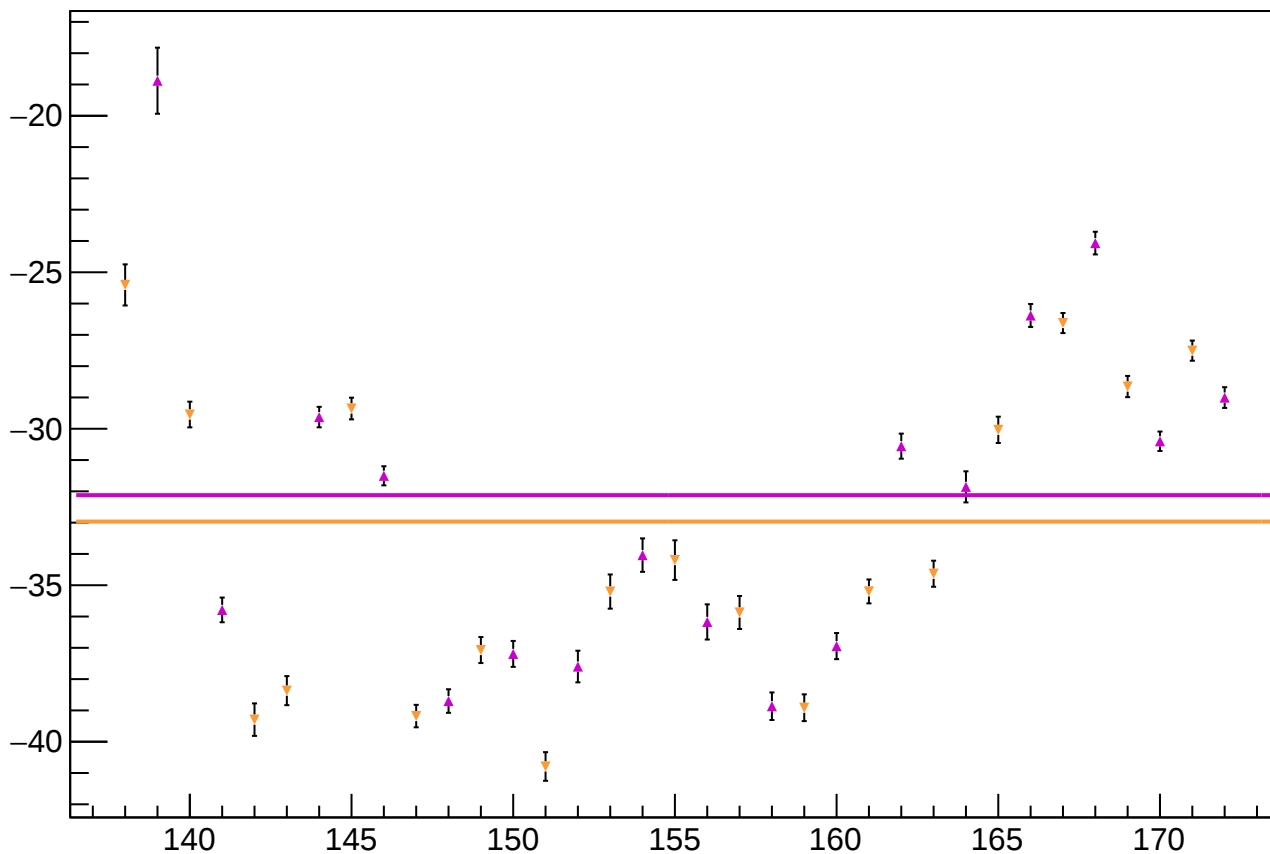
reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 36.692+/-0.117 χ^2/NDF :3493.4/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 36.346+/-0.114 χ^2/NDF :4264.3/16

Left: 36.515+/-0.082 χ^2/NDF : 7762.2/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 36.346+/-0.114 χ^2/NDF :4264.3/16
 Out: 36.692+/-0.117 χ^2/NDF :3493.4/17
 All: 36.515+/-0.082 χ^2/NDF : 7762.2/34

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



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

Left Out: -32.966+/-0.098 χ^2/NDF :2467.1/17

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

Left In: -32.122+/-0.097 χ^2/NDF :2185.5/16

Left: -32.540+/-0.069 χ^2/NDF : 4690.2/34

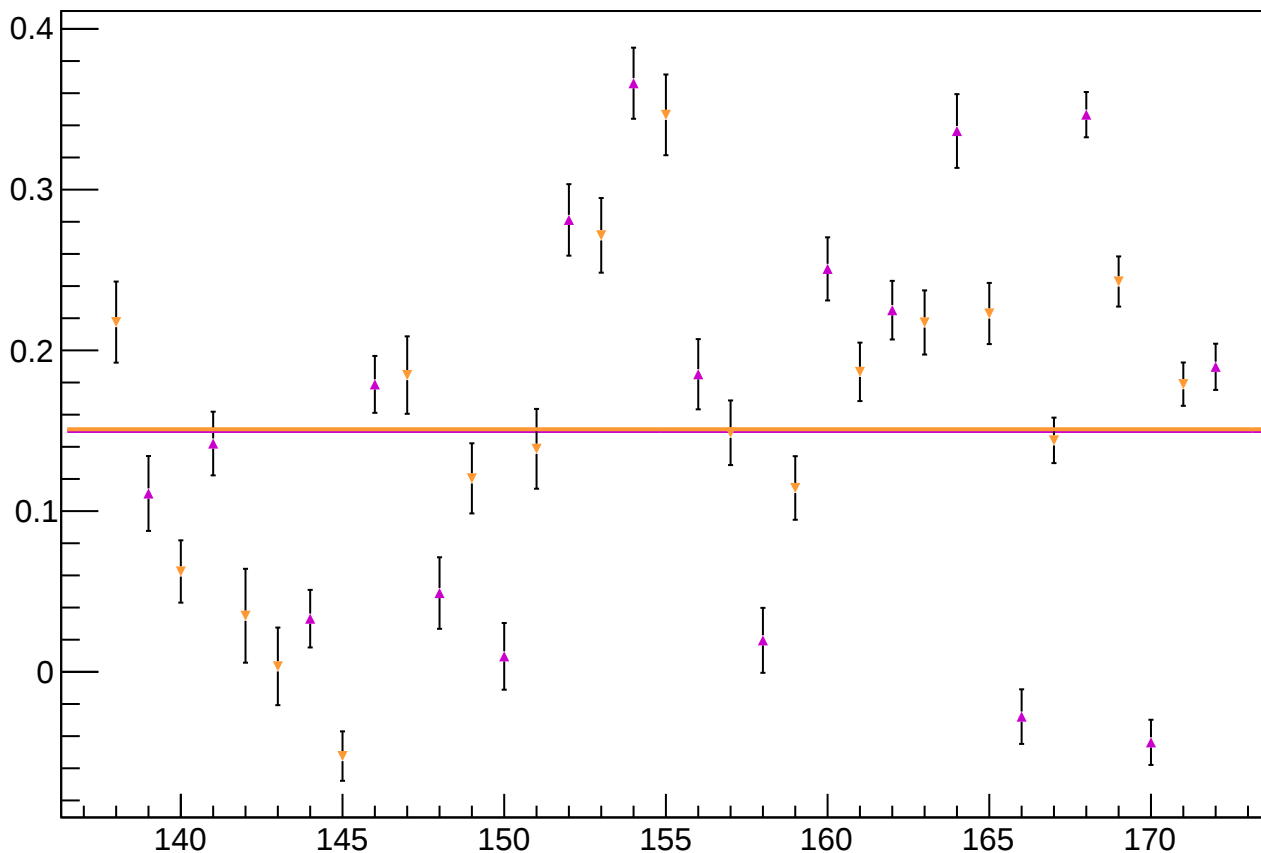
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -32.122+/-0.097 χ^2/NDF :2185.5/16

Out: -32.966+/-0.098 χ^2/NDF :2467.1/17

All: -32.540+/-0.069 χ^2/NDF : 4690.2/34

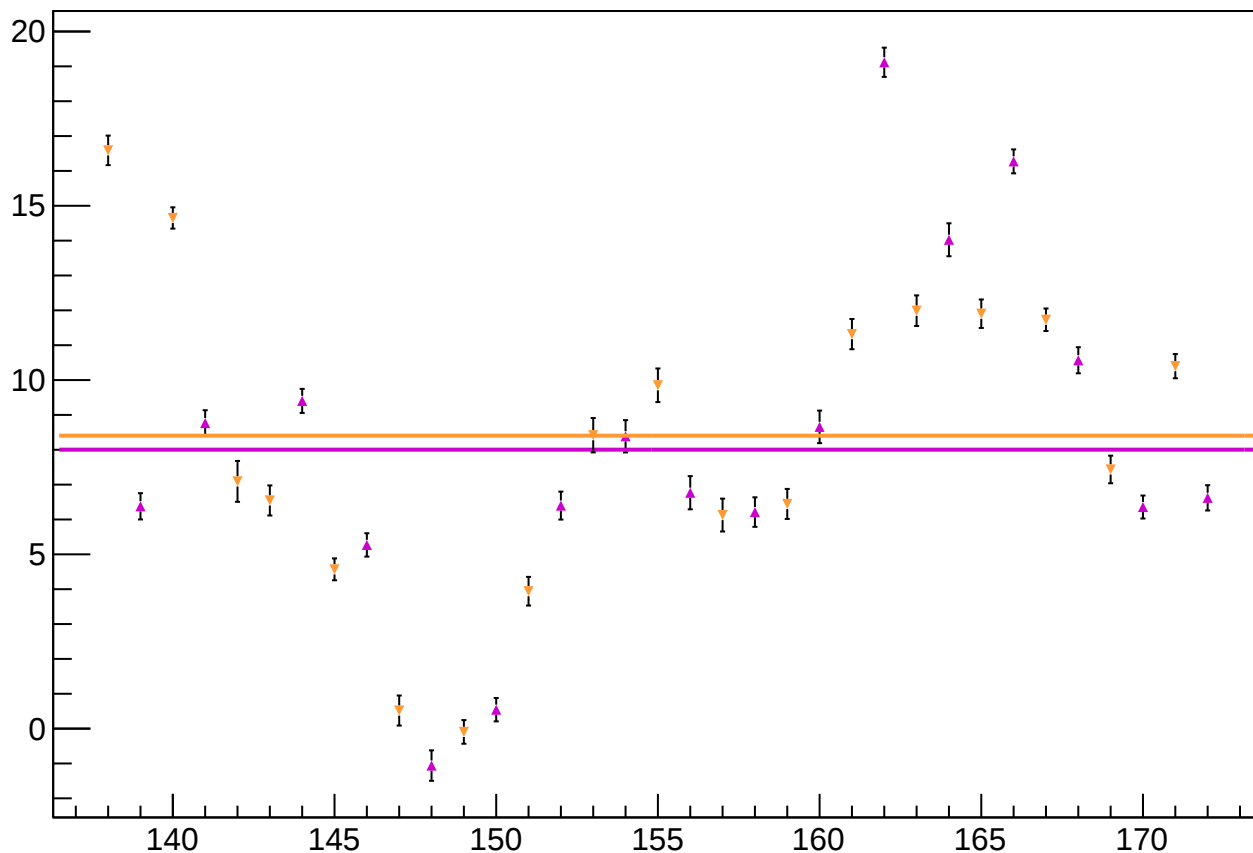
reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.151 $\pm$ 0.005 χ^2 /NDF:419.5/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.150 $\pm$ 0.004 χ^2 /NDF:900.6/16

Left: 0.150 $\pm$ 0.003 χ^2 /NDF: 1320.1/34
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.150 $\pm$ 0.004 χ^2 /NDF:900.6/16
 Out: 0.151 $\pm$ 0.005 χ^2 /NDF:419.5/17
 All: 0.150 $\pm$ 0.003 χ^2 /NDF: 1320.1/34

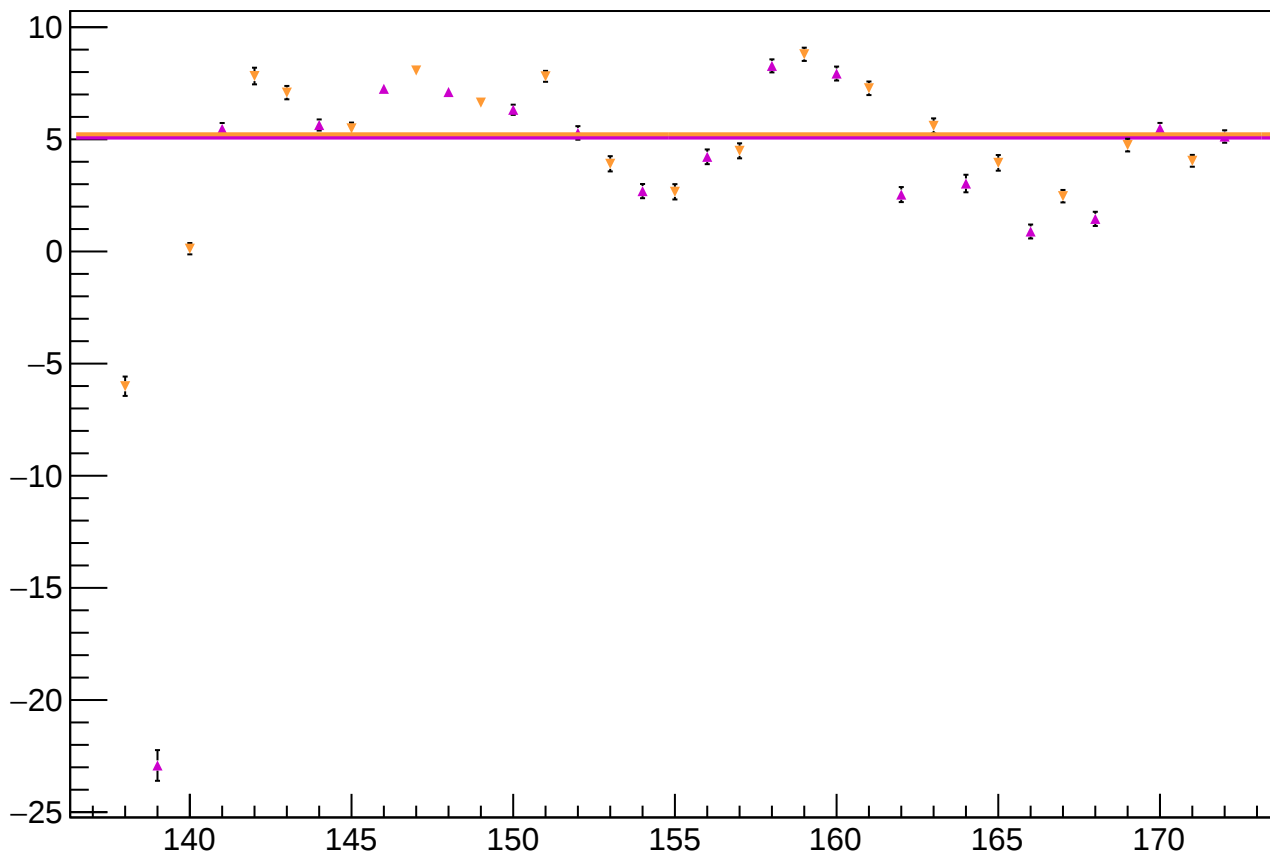
reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.404+/-0.094 χ^2/NDF :2428.5/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 8.003+/-0.094 χ^2/NDF :2606.9/16

Left: 8.204+/-0.066 χ^2/NDF : 5044.5/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 8.003+/-0.094 χ^2/NDF :2606.9/16
 Out: 8.404+/-0.094 χ^2/NDF :2428.5/17
 All: 8.204+/-0.066 χ^2/NDF : 5044.5/34

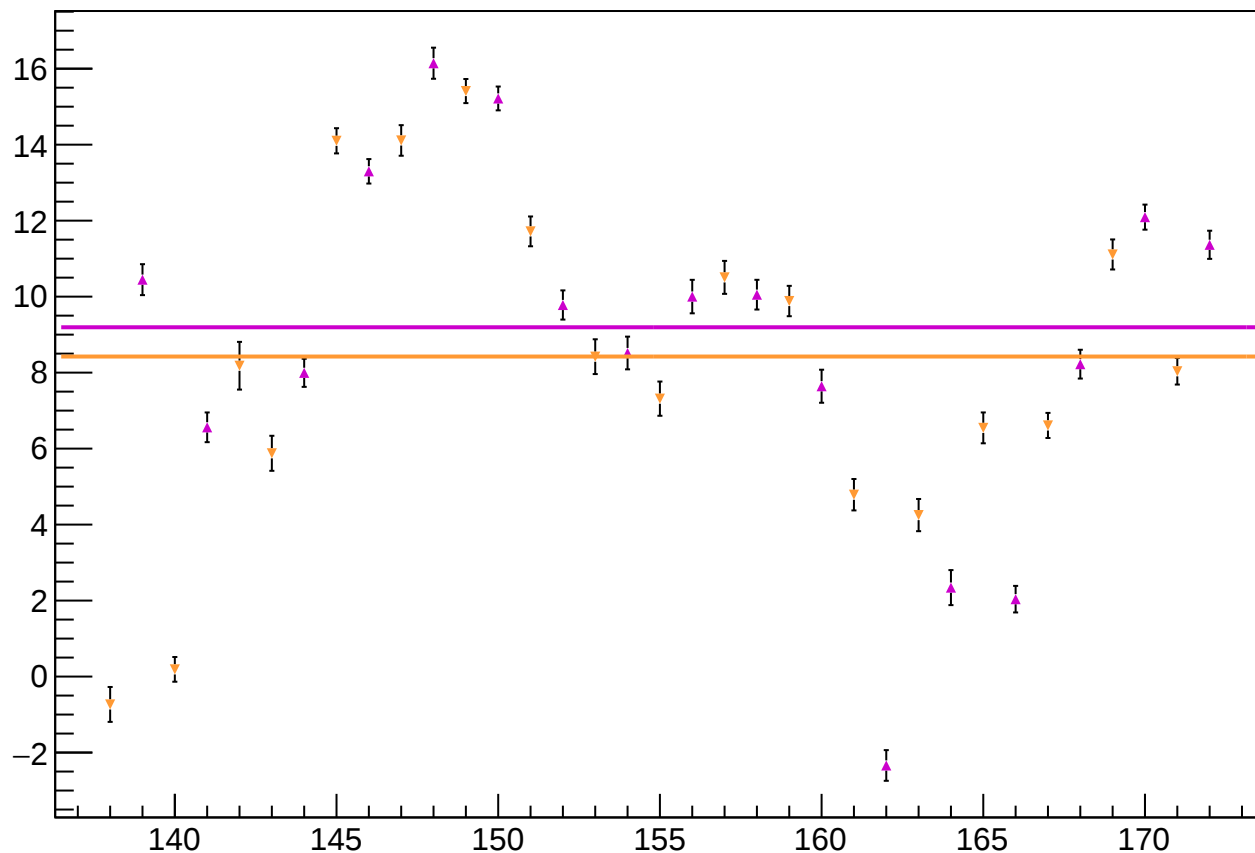
reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 5.226 $\pm$ 0.067 χ^2 /NDF:1919.8/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 5.078 $\pm$ 0.068 χ^2 /NDF:2572.1/16

Left: 5.153 $\pm$ 0.048 χ^2 /NDF: 4494.2/34
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 5.078 $\pm$ 0.068 χ^2 /NDF:2572.1/16
 Out: 5.226 $\pm$ 0.067 χ^2 /NDF:1919.8/17
 All: 5.153 $\pm$ 0.048 χ^2 /NDF: 4494.2/34

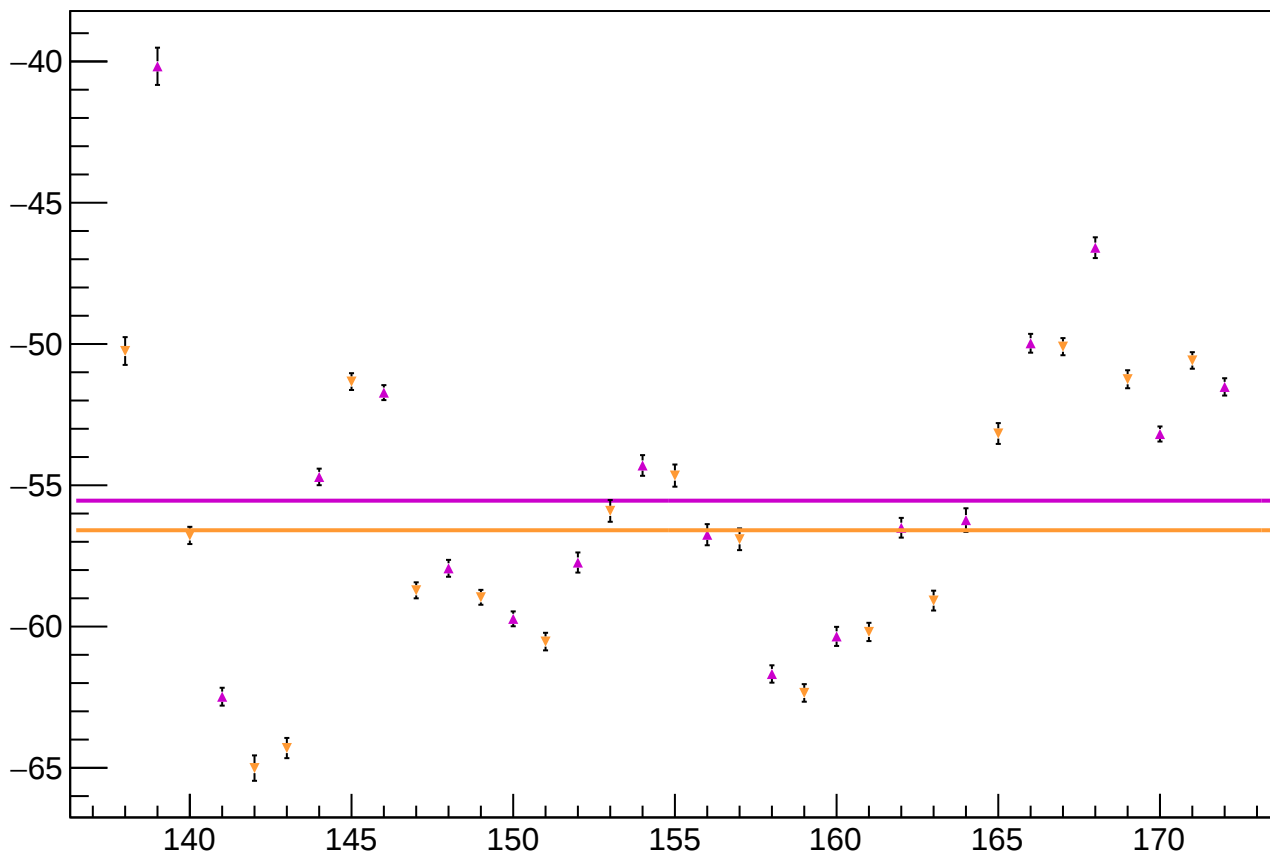
reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 8.424+/-0.093 χ^2/NDF :2433.0/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 9.194+/-0.092 χ^2/NDF :2484.9/16

Left: 8.811+/-0.066 χ^2/NDF : 4952.5/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 9.194+/-0.092 χ^2/NDF :2484.9/16
 Out: 8.424+/-0.093 χ^2/NDF :2433.0/17
 All: 8.811+/-0.066 χ^2/NDF : 4952.5/34

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected

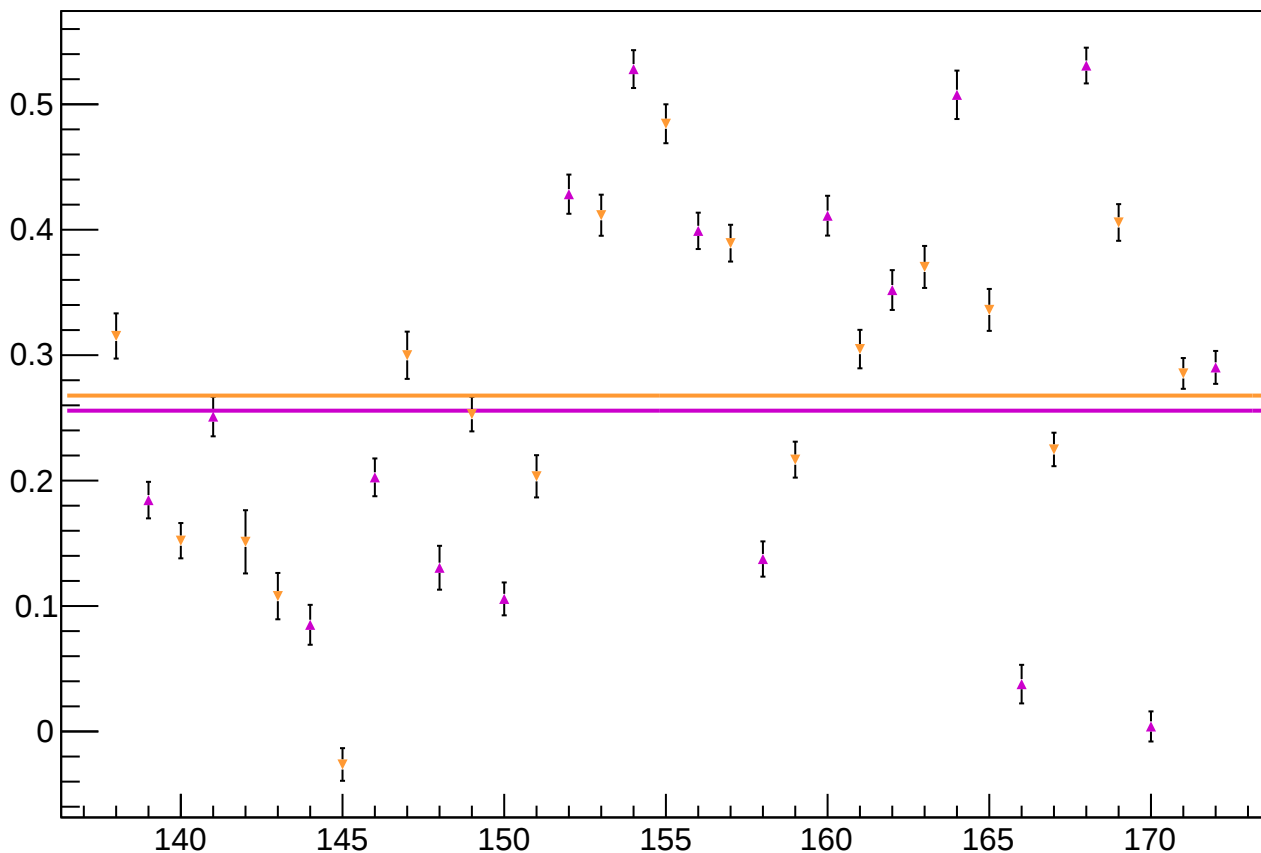


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -56.591+/-0.078 χ^2/NDF :3384.9/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -55.544+/-0.079 χ^2/NDF :3354.1/16

Left: -56.073+/-0.055 χ^2/NDF : 6827.9/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -55.544+/-0.079 χ^2/NDF :3354.1/16
 Out: -56.591+/-0.078 χ^2/NDF :3384.9/17

All: -56.073+/-0.055 χ^2/NDF : 6827.9/34

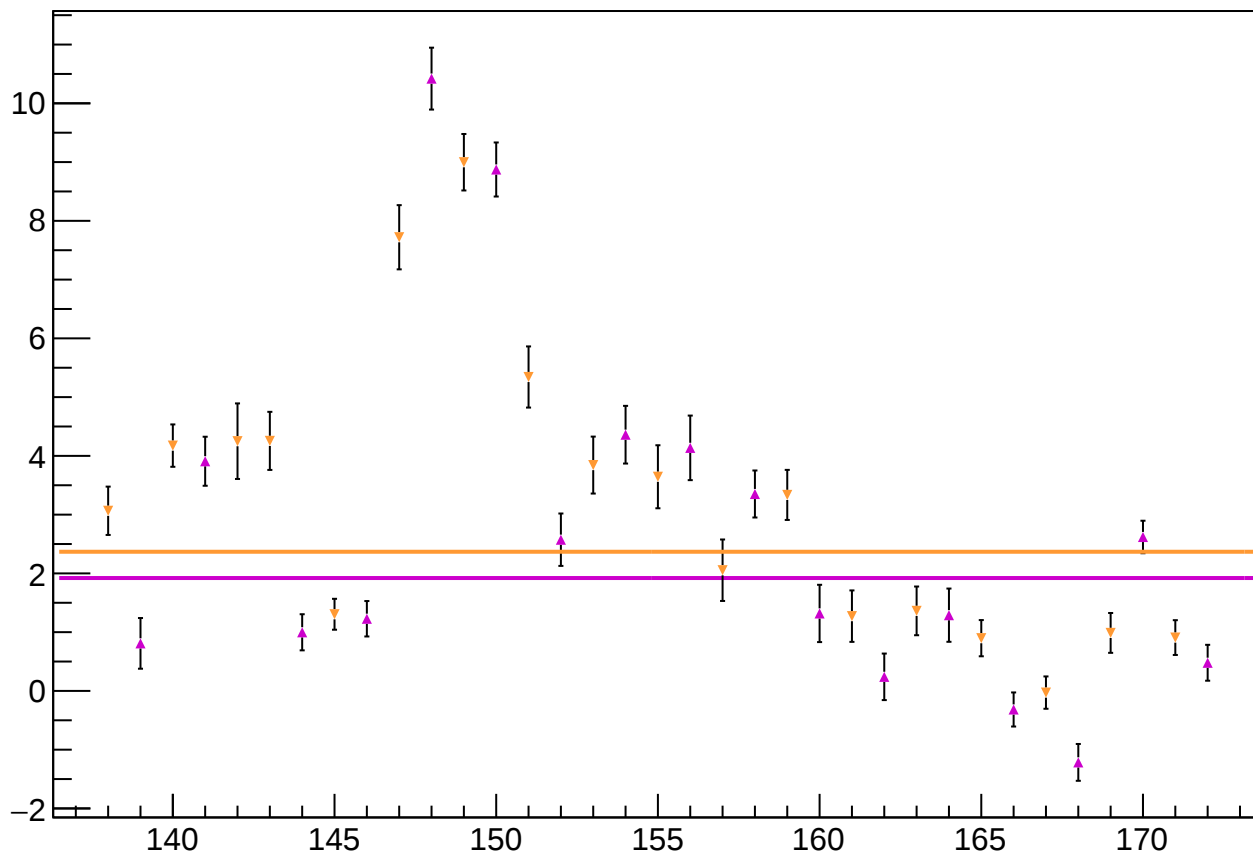
reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.268 $\pm$ 0.004 χ^2 /NDF:1215.5/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.256 $\pm$ 0.004 χ^2 /NDF:2274.1/16

Left: 0.262 $\pm$ 0.003 χ^2 /NDF: 3495.1/34
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.256 $\pm$ 0.004 χ^2 /NDF:2274.1/16
 Out: 0.268 $\pm$ 0.004 χ^2 /NDF:1215.5/17
 All: 0.262 $\pm$ 0.003 χ^2 /NDF: 3495.1/34

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: 2.368+/-0.092 χ^2/NDF :558.6/17

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

Left In: 1.921+/-0.091 χ^2/NDF :798.4/16

Left: 2.142+/-0.065 χ^2/NDF : 1369.0/34

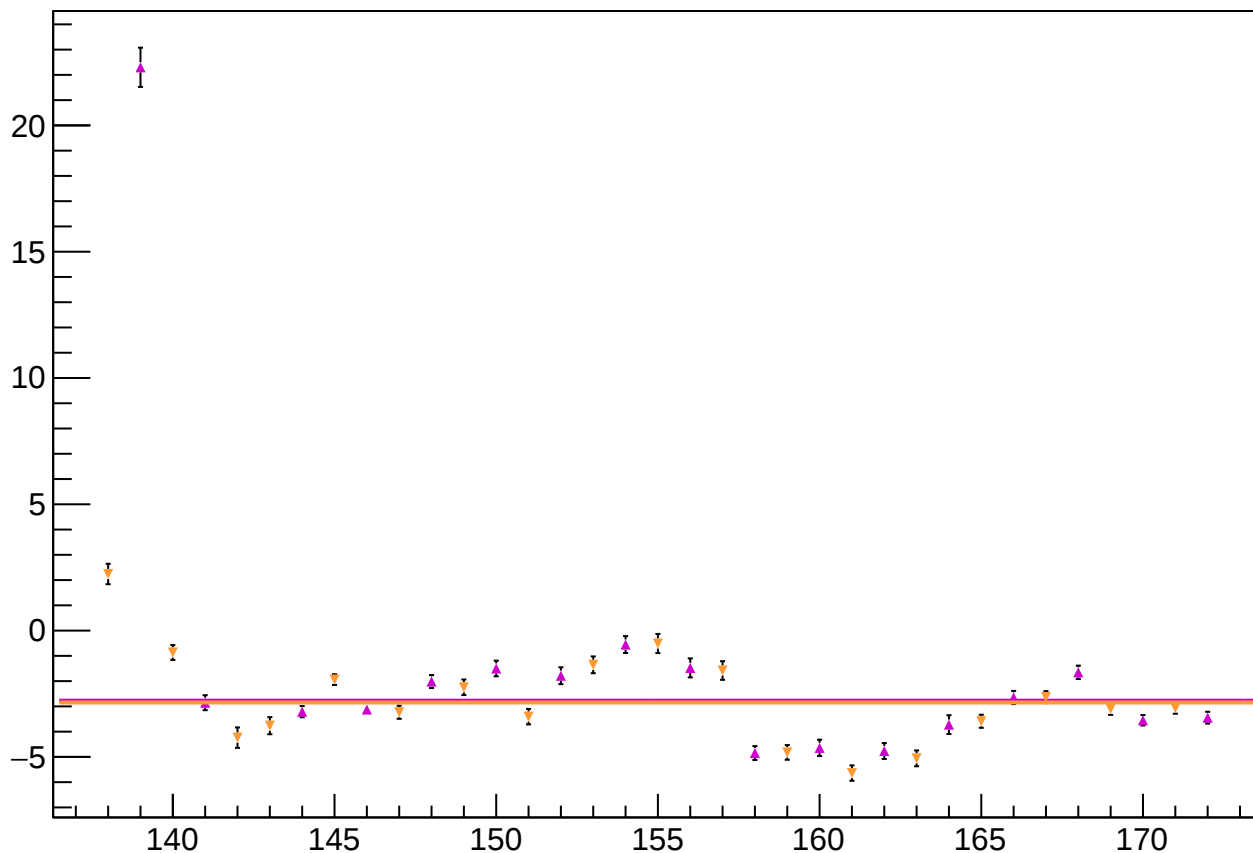
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 1.921+/-0.091 χ^2/NDF :798.4/16

Out: 2.368+/-0.092 χ^2/NDF :558.6/17

All: 2.142+/-0.065 χ^2/NDF : 1369.0/34

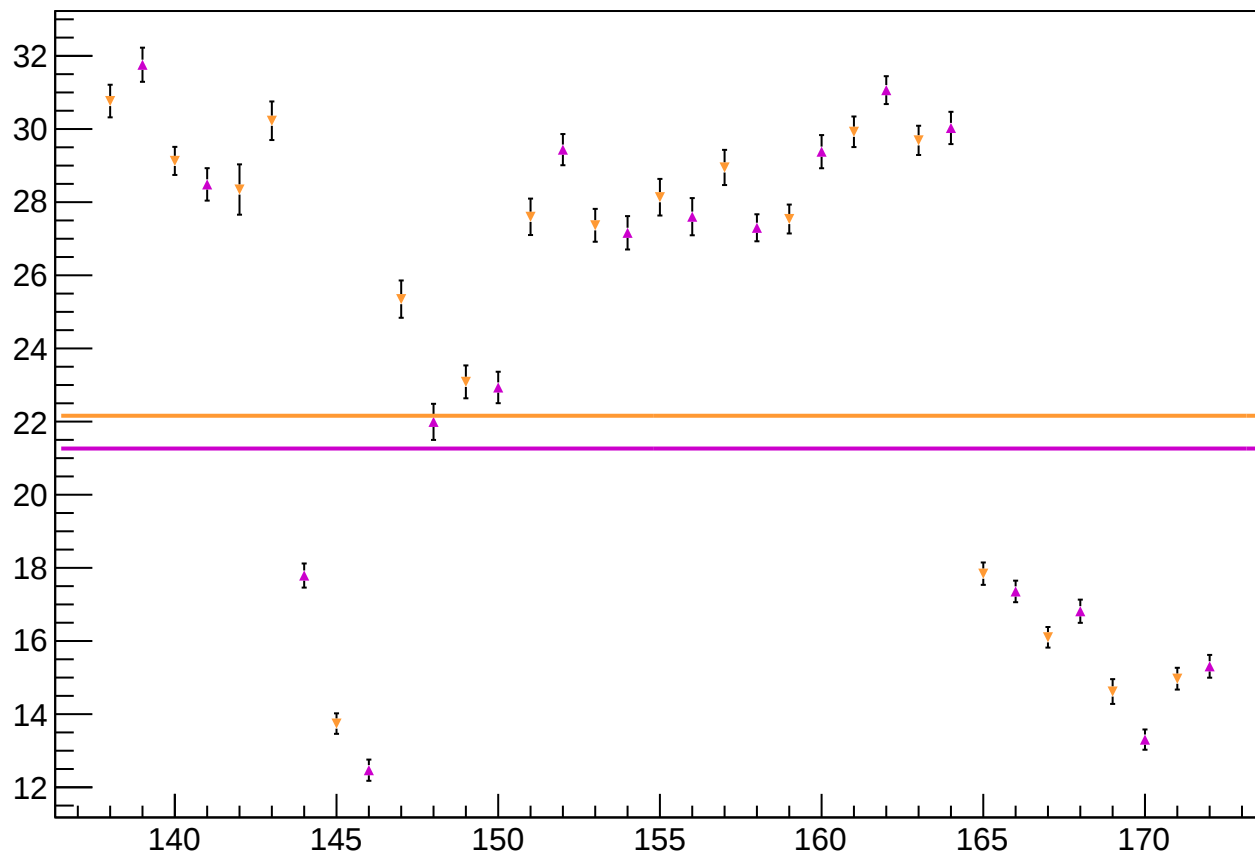
reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -2.846+/-0.068 χ^2/NDF : 510.3/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -2.774+/-0.067 χ^2/NDF : 1315.8/16

Left: -2.809+/-0.048 χ^2/NDF : 1826.6/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -2.774+/-0.067 χ^2/NDF : 1315.8/16
 Out: -2.846+/-0.068 χ^2/NDF : 510.3/17
 All: -2.809+/-0.048 χ^2/NDF : 1826.6/34

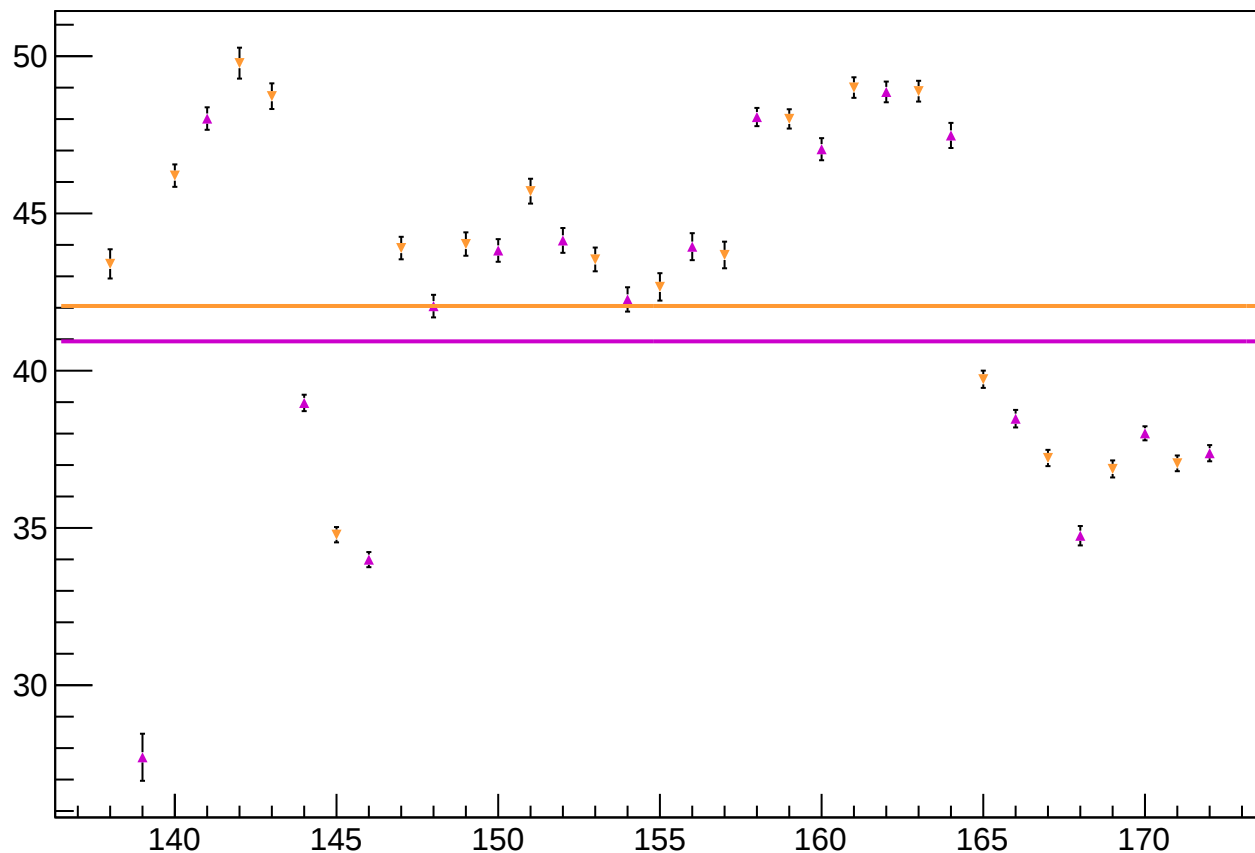
reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 22.160+/-0.092 χ^2/NDF :5181.6/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 21.263+/-0.090 χ^2/NDF :5714.8/16

Left: 21.701+/-0.064 χ^2/NDF : 10944.9/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 21.263+/-0.090 χ^2/NDF :5714.8/16
 Out: 22.160+/-0.092 χ^2/NDF :5181.6/17
 All: 21.701+/-0.064 χ^2/NDF : 10944.9/34

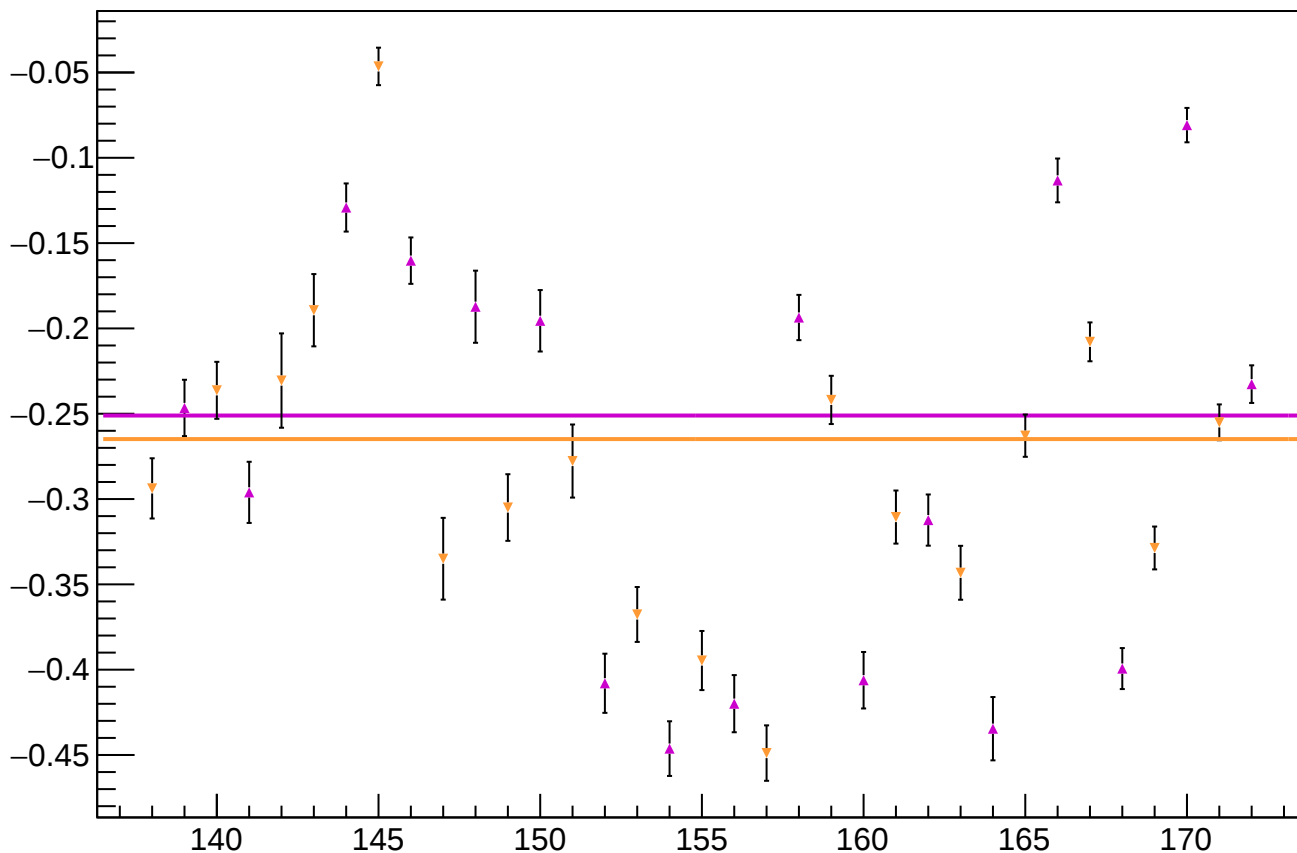
reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 42.057+/-0.078 χ^2/NDF :4159.5/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 40.933+/-0.077 χ^2/NDF :4394.9/16

Left: 41.489+/-0.055 χ^2/NDF : 8660.4/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 40.933+/-0.077 χ^2/NDF :4394.9/16
 Out: 42.057+/-0.078 χ^2/NDF :4159.5/17
 All: 41.489+/-0.055 χ^2/NDF : 8660.4/34

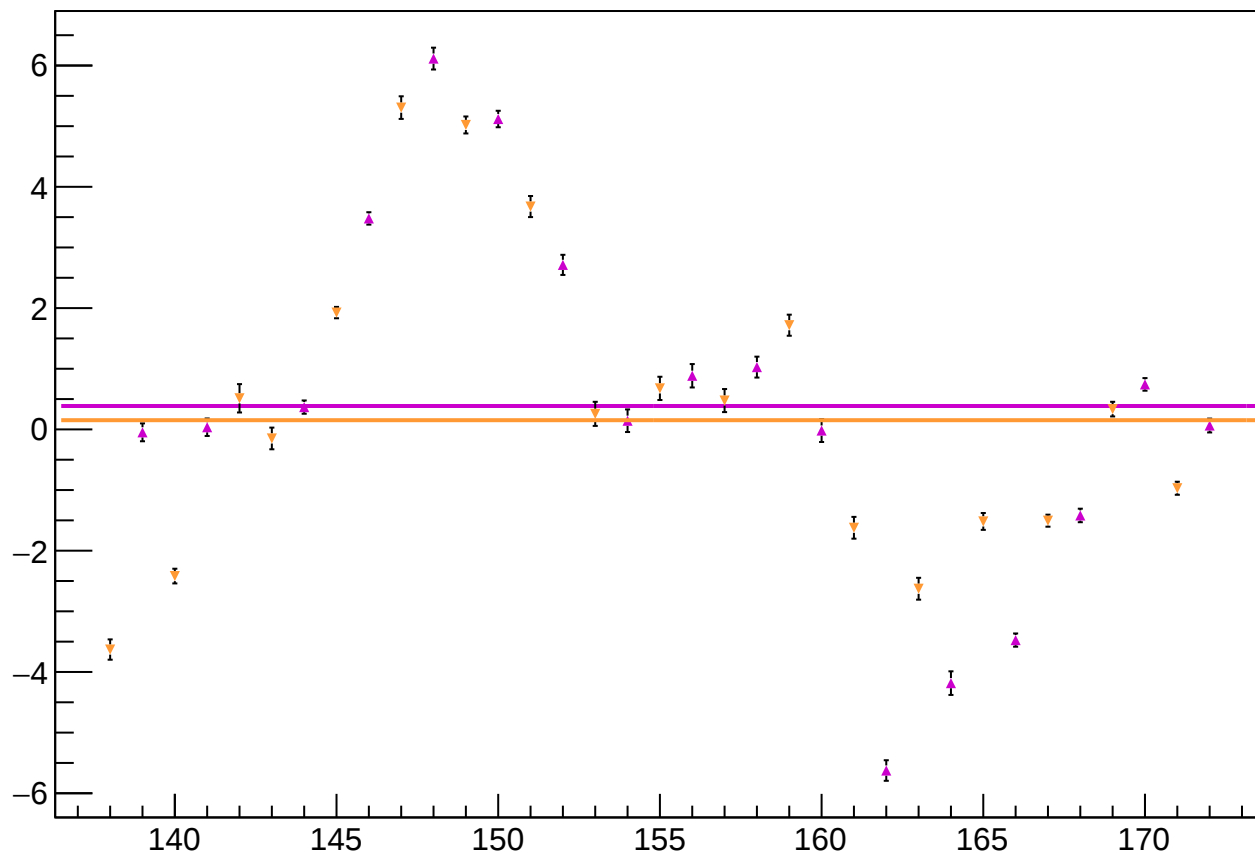
reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left Out: -0.265 +/- 0.004 χ^2/NDF : 741.2/17
 Right Out: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 Left In: -0.251 +/- 0.004 χ^2/NDF : 1253.0/16

Left: -0.258 +/- 0.002 χ^2/NDF : 2001.9/34
 Right: 0.000 +/- 0.000 χ^2/NDF : 0.0/0
 In: -0.251 +/- 0.004 χ^2/NDF : 1253.0/16
 Out: -0.265 +/- 0.004 χ^2/NDF : 741.2/17
 All: -0.258 +/- 0.002 χ^2/NDF : 2001.9/34

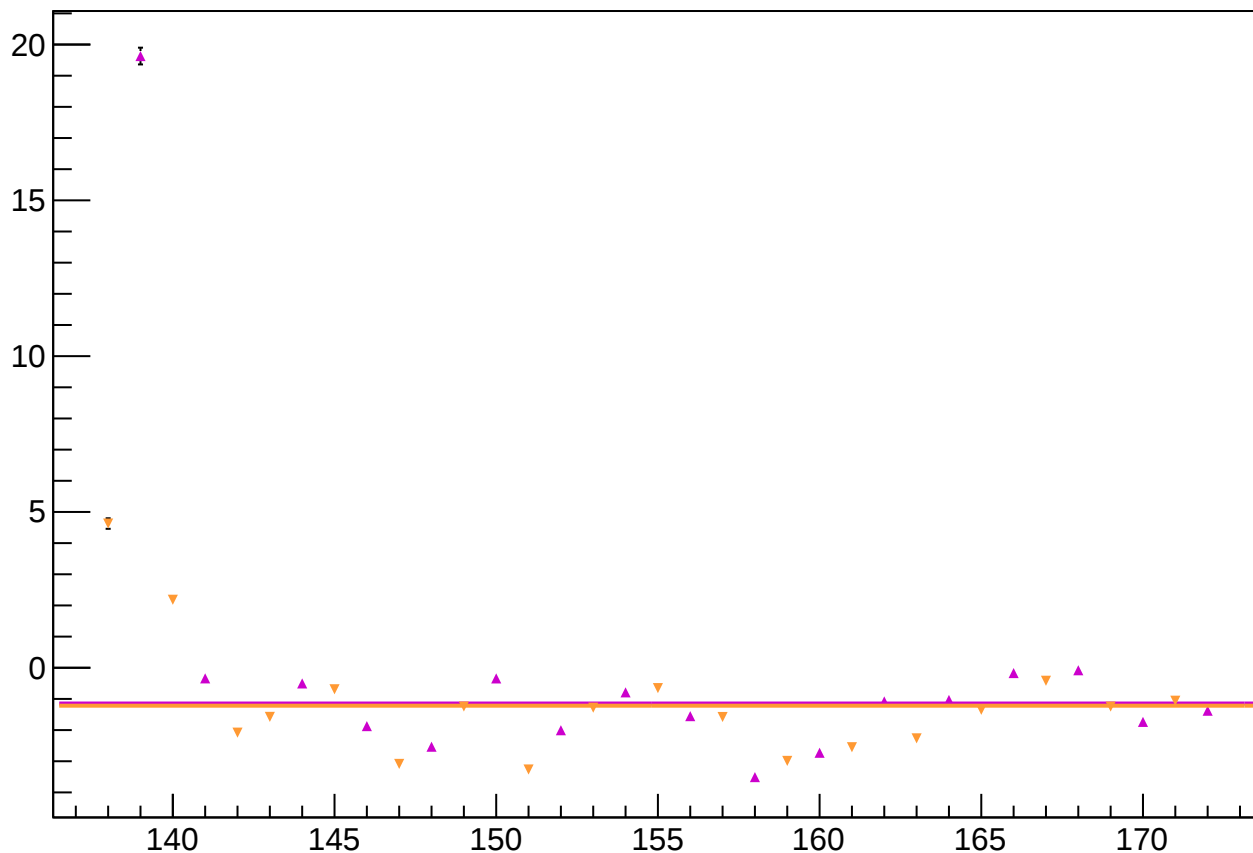
reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left Out: 0.152 $\pm$ 0.034 χ^2 /NDF:4666.2/17
 Right Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 Left In: 0.386 $\pm$ 0.033 χ^2 /NDF:6721.4/16

Left: 0.272 $\pm$ 0.024 χ^2 /NDF: 11411.8/34
 Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0
 In: 0.386 $\pm$ 0.033 χ^2 /NDF:6721.4/16
 Out: 0.152 $\pm$ 0.034 χ^2 /NDF:4666.2/17
 All: 0.272 $\pm$ 0.024 χ^2 /NDF: 11411.8/34

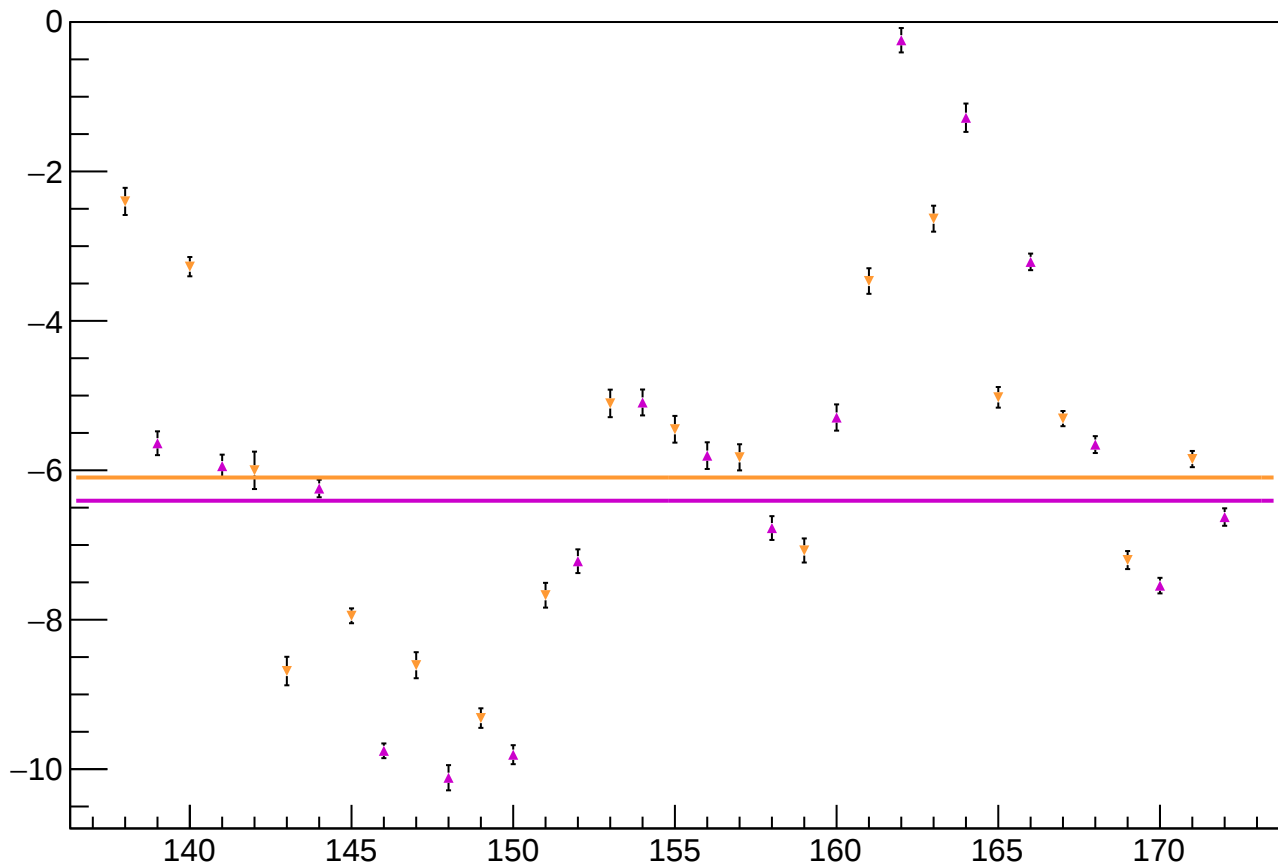
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -1.217+/-0.025 χ^2/NDF : 3779.7/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -1.148+/-0.025 χ^2/NDF : 7444.3/16

Left: -1.182+/-0.018 χ^2/NDF : 11228.0/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -1.148+/-0.025 χ^2/NDF : 7444.3/16
 Out: -1.217+/-0.025 χ^2/NDF : 3779.7/17
 All: -1.182+/-0.018 χ^2/NDF : 11228.0/34

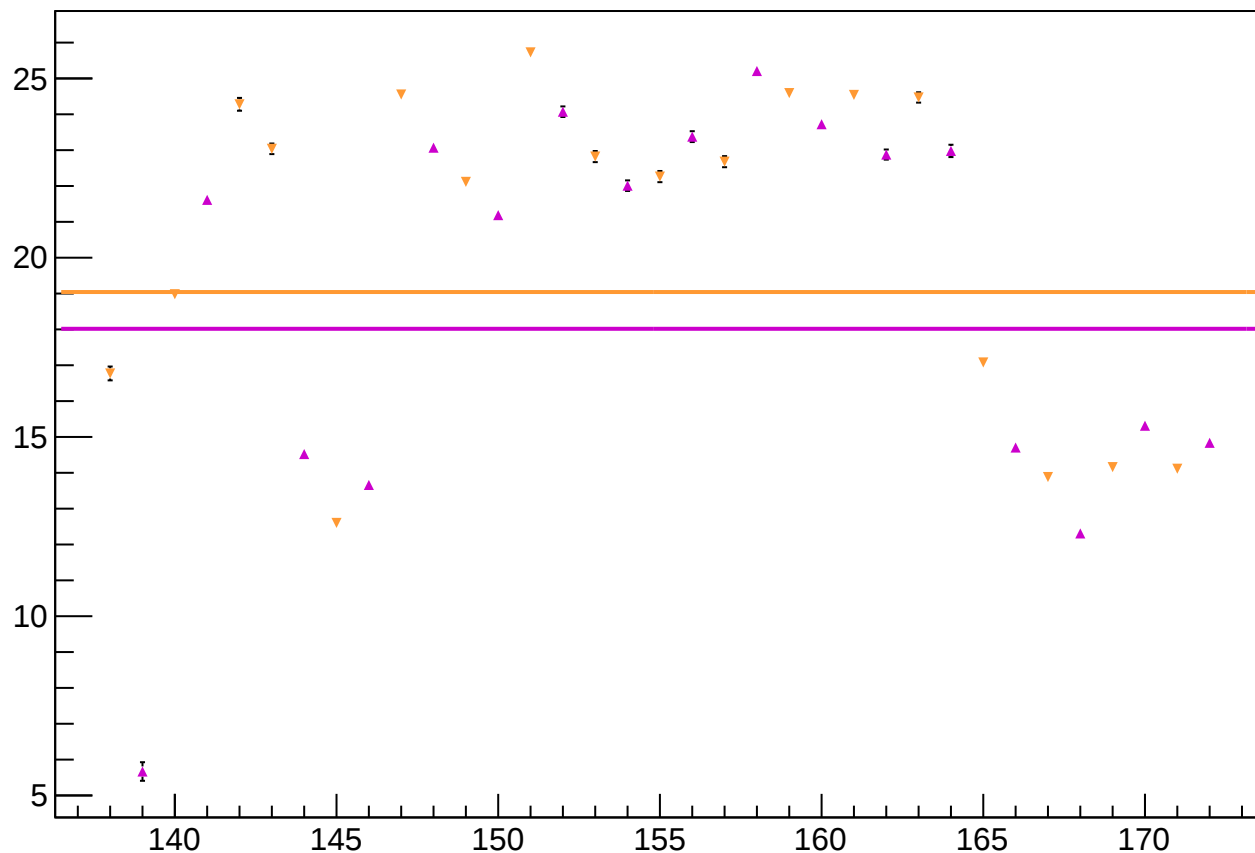
reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -6.096+/-0.034 χ^2/NDF : 3249.1/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.407+/-0.033 χ^2/NDF : 5679.2/16

Left: -6.257+/-0.024 χ^2/NDF : 8971.3/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.407+/-0.033 χ^2/NDF : 5679.2/16
 Out: -6.096+/-0.034 χ^2/NDF : 3249.1/17
 All: -6.257+/-0.024 χ^2/NDF : 8971.3/34

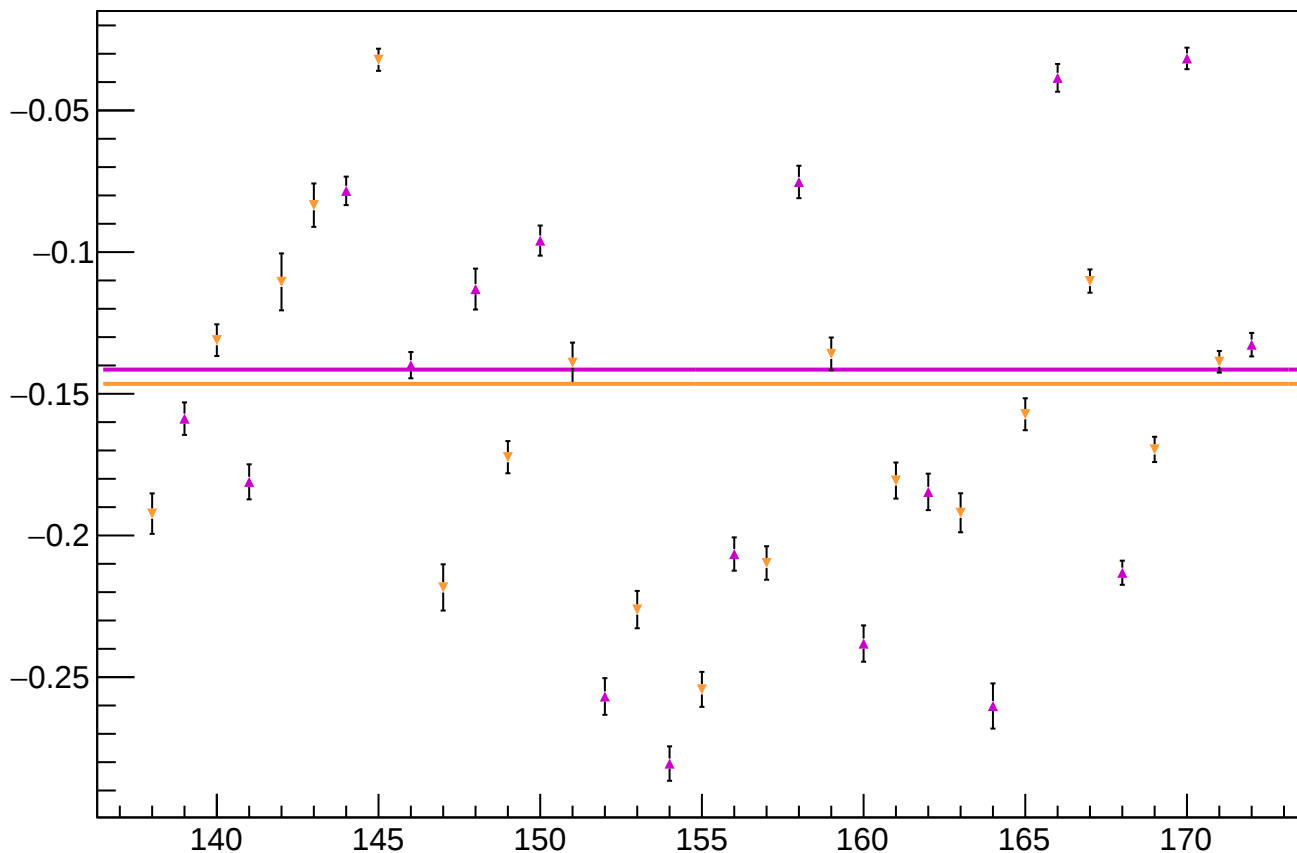
reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 19.043+/-0.029 χ^2/NDF :27861.2/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 18.017+/-0.028 χ^2/NDF :26442.8/16

Left: 18.520+/-0.020 χ^2/NDF : 54951.3/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 18.017+/-0.028 χ^2/NDF :26442.8/16
 Out: 19.043+/-0.029 χ^2/NDF :27861.2/17
 All: 18.520+/-0.020 χ^2/NDF : 54951.3/34

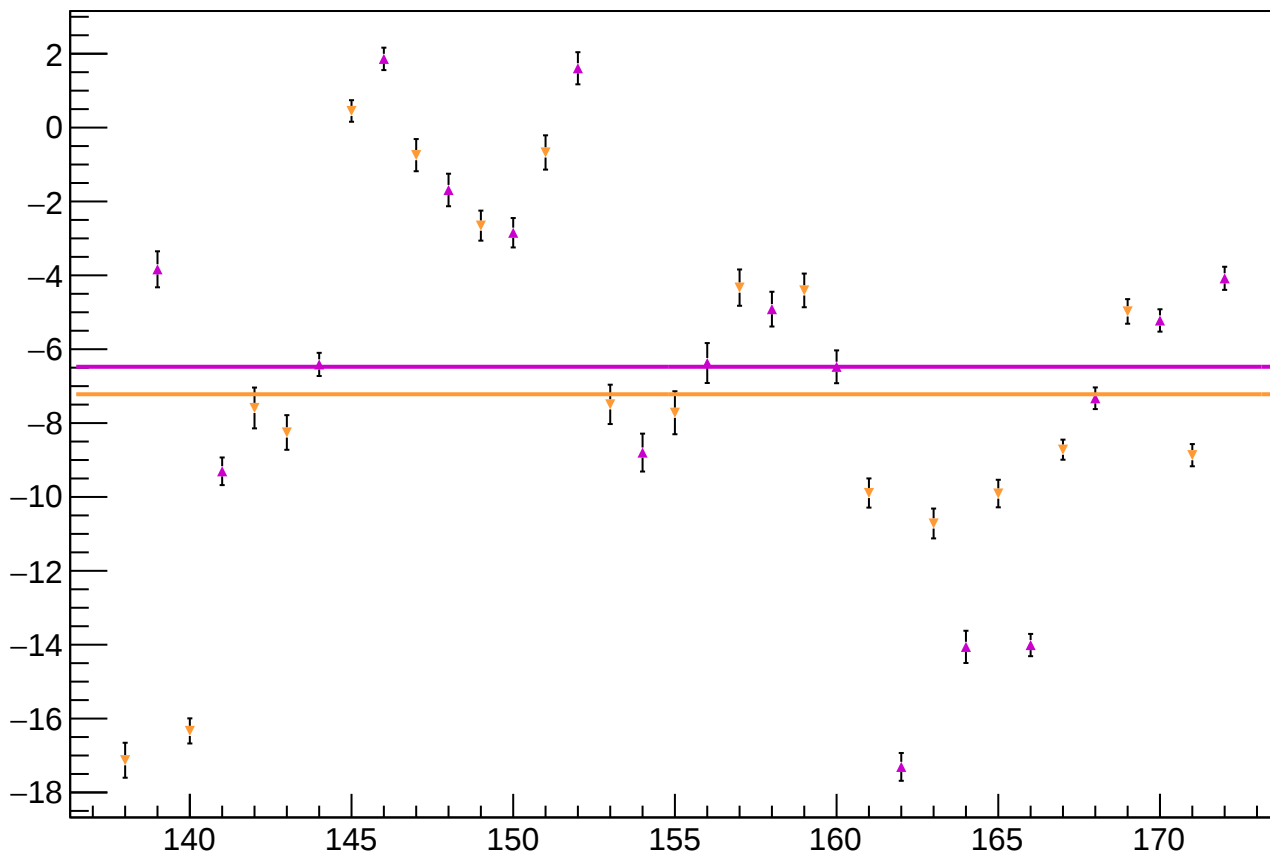
reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -0.146+/-0.001 χ^2/NDF :1839.4/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -0.141+/-0.001 χ^2/NDF :3455.6/16

Left: -0.144+/-0.001 χ^2/NDF : 5302.4/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -0.141+/-0.001 χ^2/NDF :3455.6/16
 Out: -0.146+/-0.001 χ^2/NDF :1839.4/17
 All: -0.144+/-0.001 χ^2/NDF : 5302.4/34

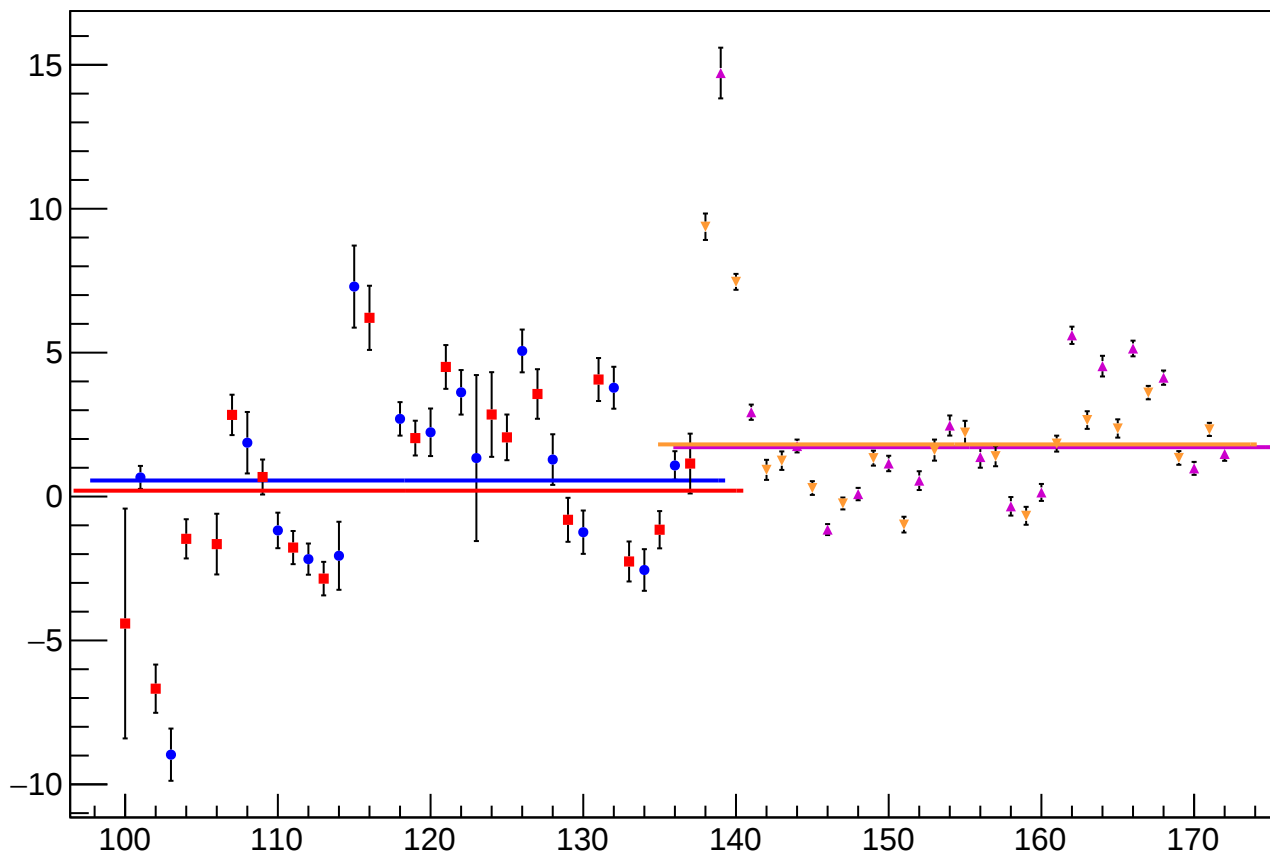
reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: -7.220+/-0.092 χ^2/NDF : 2750.1/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: -6.475+/-0.091 χ^2/NDF : 3257.6/16

Left: -6.840+/-0.065 χ^2/NDF : 6040.8/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: -6.475+/-0.091 χ^2/NDF : 3257.6/16
 Out: -7.220+/-0.092 χ^2/NDF : 2750.1/17
 All: -6.840+/-0.065 χ^2/NDF : 6040.8/34

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.558 $\pm$ 0.170 χ^2 /NDF: 287.9/16

Left Out: 1.812 $\pm$ 0.067 χ^2 /NDF:1089.3/17

Right Out: 0.204 $\pm$ 0.175 χ^2 /NDF: 272.1/18

Left In: 1.715 $\pm$ 0.066 χ^2 /NDF:1106.5/16

Left: 1.763 $\pm$ 0.047 χ^2 /NDF: 2196.9/34

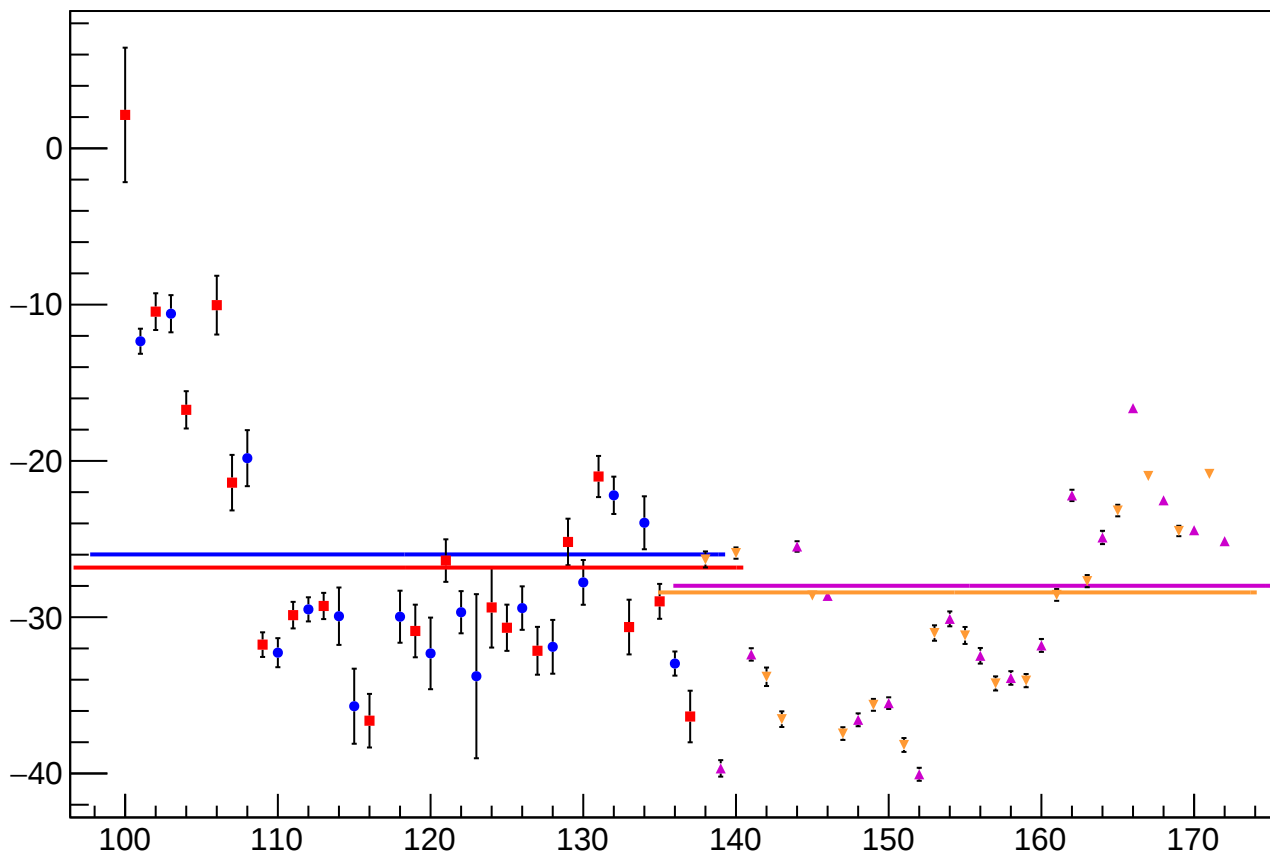
Right: 0.386 $\pm$ 0.122 χ^2 /NDF: 562.1/35

In: 1.564 $\pm$ 0.061 χ^2 /NDF:1434.7/33

Out: 1.607 $\pm$ 0.062 χ^2 /NDF:1435.4/36

All: 1.586 $\pm$ 0.044 χ^2 /NDF: 2870.3/70

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: -28.415 ± 0.092 χ^2/NDF : 3832.9/17

Right Out: -26.825 ± 0.298 χ^2/NDF : 581.6/18

Left In: -27.990 ± 0.090 χ^2/NDF : 4952.8/16

Left: -28.197 ± 0.064 χ^2/NDF : 8796.8/34

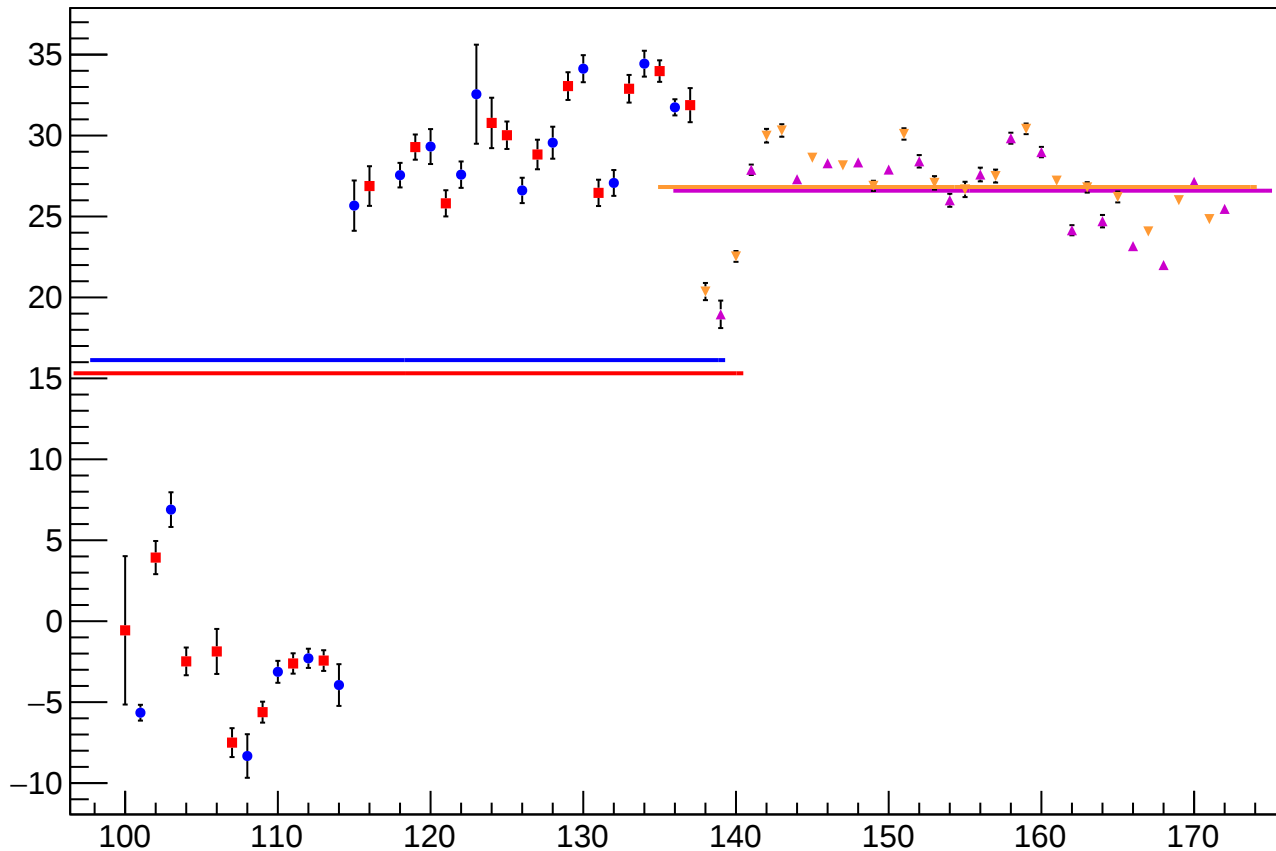
Right: -26.408 ± 0.211 χ^2/NDF : 1277.0/35

In: -27.826 ± 0.086 χ^2/NDF : 5685.2/33

Out: -28.277 ± 0.088 χ^2/NDF : 4440.6/36

All: -28.046 ± 0.061 χ^2/NDF : 10139.4/70

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 16.129 $\pm$ 0.192 χ^2 /NDF: 7572.5/16

Left Out: 26.821 $\pm$ 0.077 χ^2 /NDF:917.0/17

Right Out: 15.315 $\pm$ 0.197 χ^2 /NDF: 7278.1/18

Left In: 26.593 $\pm$ 0.076 χ^2 /NDF:881.8/16

Left: 26.706 $\pm$ 0.054 χ^2 /NDF: 1803.2/34

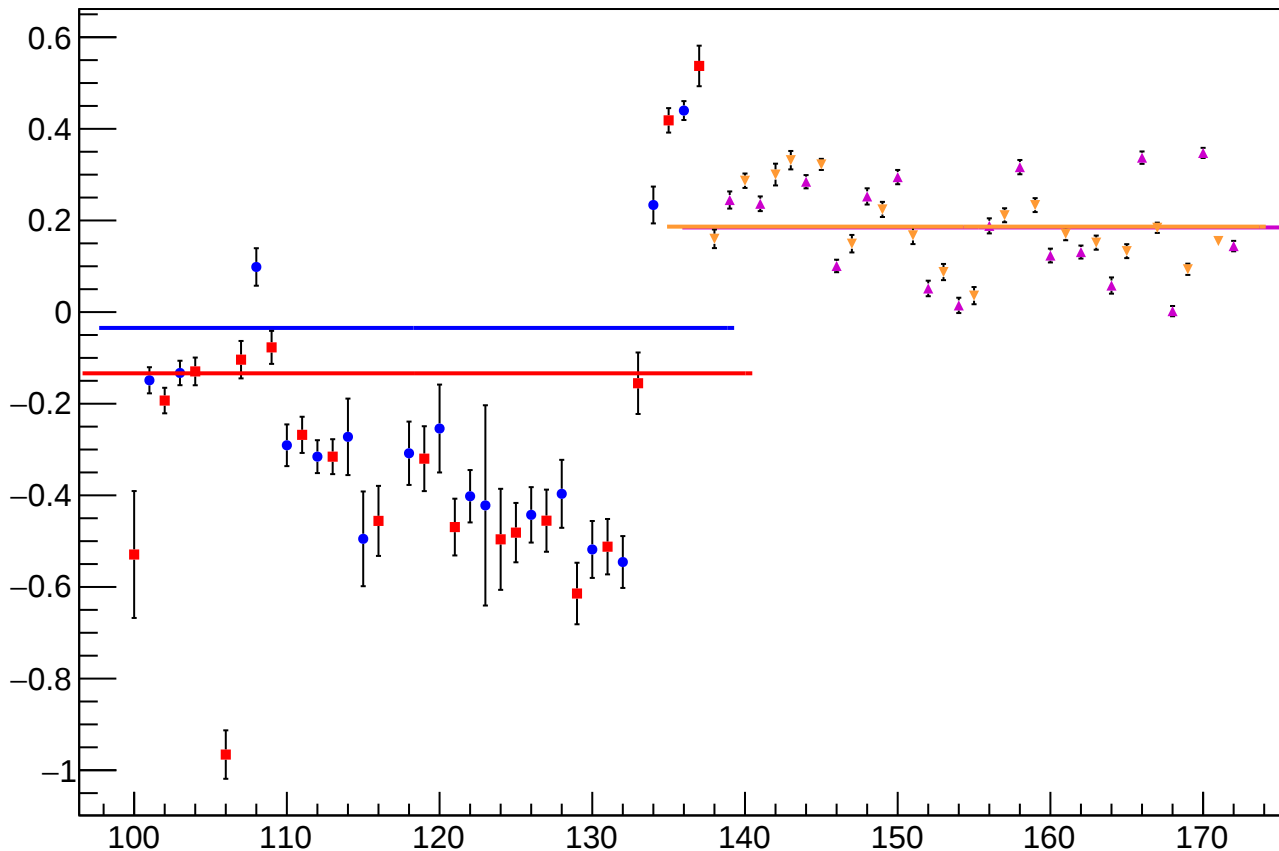
Right: 15.732 $\pm$ 0.138 χ^2 /NDF: 14859.4/35

In: 25.176 $\pm$ 0.071 χ^2 /NDF:11021.0/33

Out: 25.299 $\pm$ 0.072 χ^2 /NDF:11154.7/36

All: 25.237 $\pm$ 0.050 χ^2 /NDF: 22177.2/70

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.035 ± 0.010 χ^2/NDF : 1011.6/16

Left Out: 0.187 ± 0.004 χ^2/NDF : 445.4/17

Right Out: -0.134 ± 0.010 χ^2/NDF : 1161.9/18

Left In: 0.185 ± 0.004 χ^2/NDF : 1110.3/16

Left: 0.186 ± 0.003 χ^2/NDF : 1555.8/34

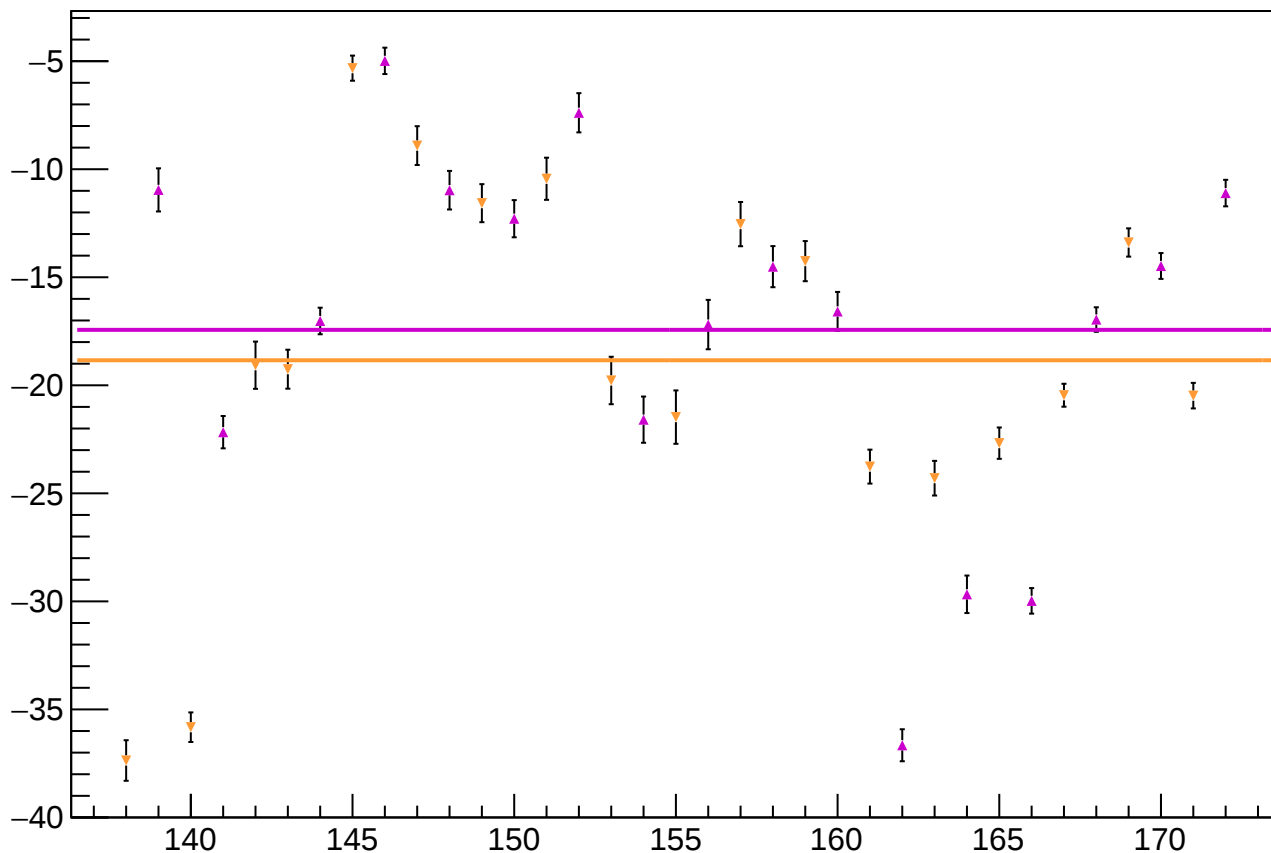
Right: -0.084 ± 0.007 χ^2/NDF : 2219.2/35

In: 0.162 ± 0.003 χ^2/NDF : 2525.7/33

Out: 0.153 ± 0.003 χ^2/NDF : 2458.6/36

All: 0.157 ± 0.002 χ^2/NDF : 4988.2/70

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -18.842 ± 0.185 χ^2/NDF : $2076.9/17$

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

Left In: -17.434 ± 0.181 χ^2/NDF : $2188.6/16$

Left: -18.124 ± 0.129 χ^2/NDF : $4295.1/34$

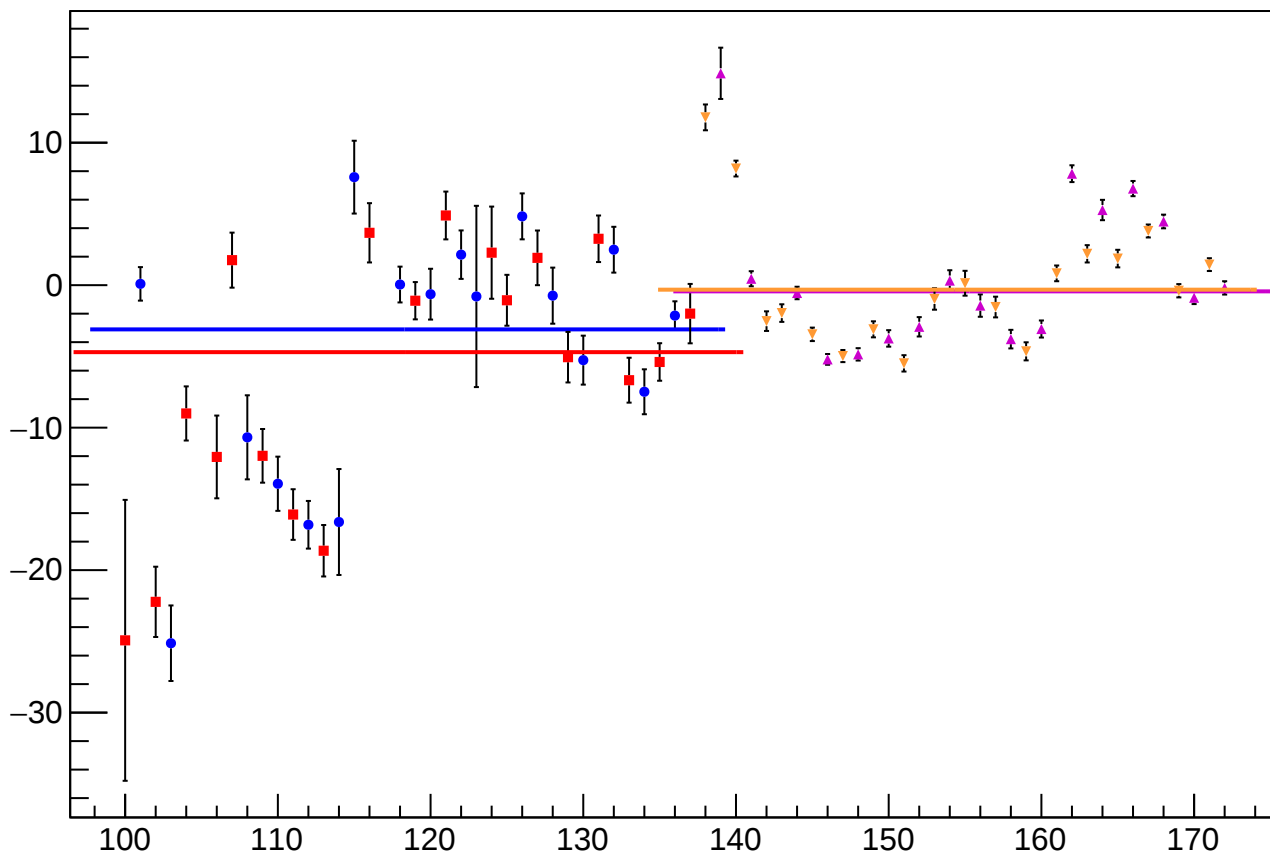
Right: 0.000 ± 0.000 χ^2/NDF : $0.0/0$

In: -17.434 ± 0.181 χ^2/NDF : $2188.6/16$

Out: -18.842 ± 0.185 χ^2/NDF : $2076.9/17$

All: -18.124 ± 0.129 χ^2/NDF : $4295.1/34$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.104 ± 0.411 $\chi^2/\text{NDF}: 279.1/16$

Left Out: -0.316 ± 0.134 $\chi^2/\text{NDF}: 880.5/17$

Right Out: -4.701 ± 0.427 $\chi^2/\text{NDF}: 297.6/18$

Left In: -0.435 ± 0.132 $\chi^2/\text{NDF}: 980.7/16$

Left: -0.376 ± 0.094 $\chi^2/\text{NDF}: 1861.6/34$

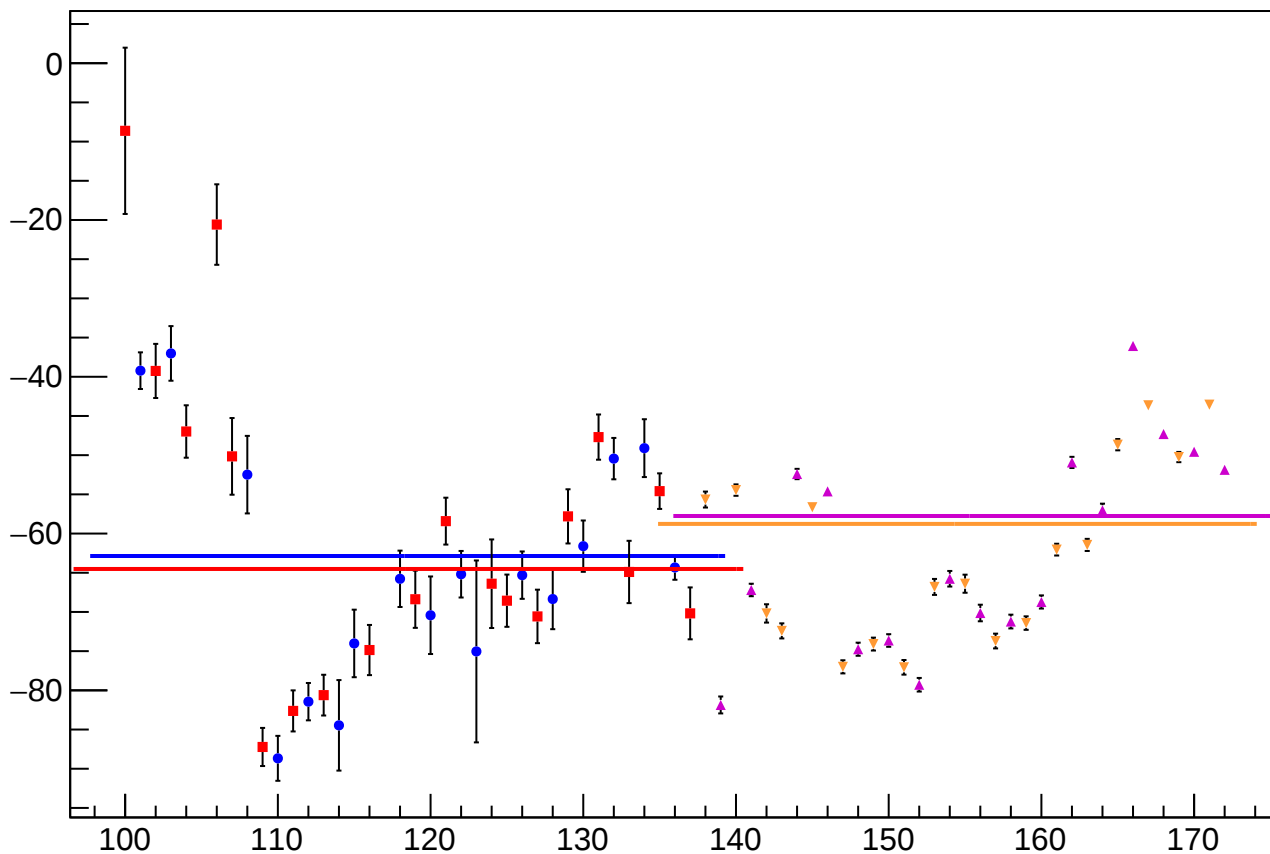
Right: -3.873 ± 0.296 $\chi^2/\text{NDF}: 584.0/35$

In: -0.684 ± 0.126 $\chi^2/\text{NDF}: 1298.1/33$

Out: -0.710 ± 0.128 $\chi^2/\text{NDF}: 1274.4/36$

All: -0.697 ± 0.090 $\chi^2/\text{NDF}: 2572.4/70$

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: -58.769 ± 0.184 χ^2/NDF : 3956.1/17

Right Out: -64.517 ± 0.752 χ^2/NDF : 444.3/18

Left In: -57.759 ± 0.180 χ^2/NDF : 4752.6/16

Left: -58.250 ± 0.129 χ^2/NDF : 8724.1/34

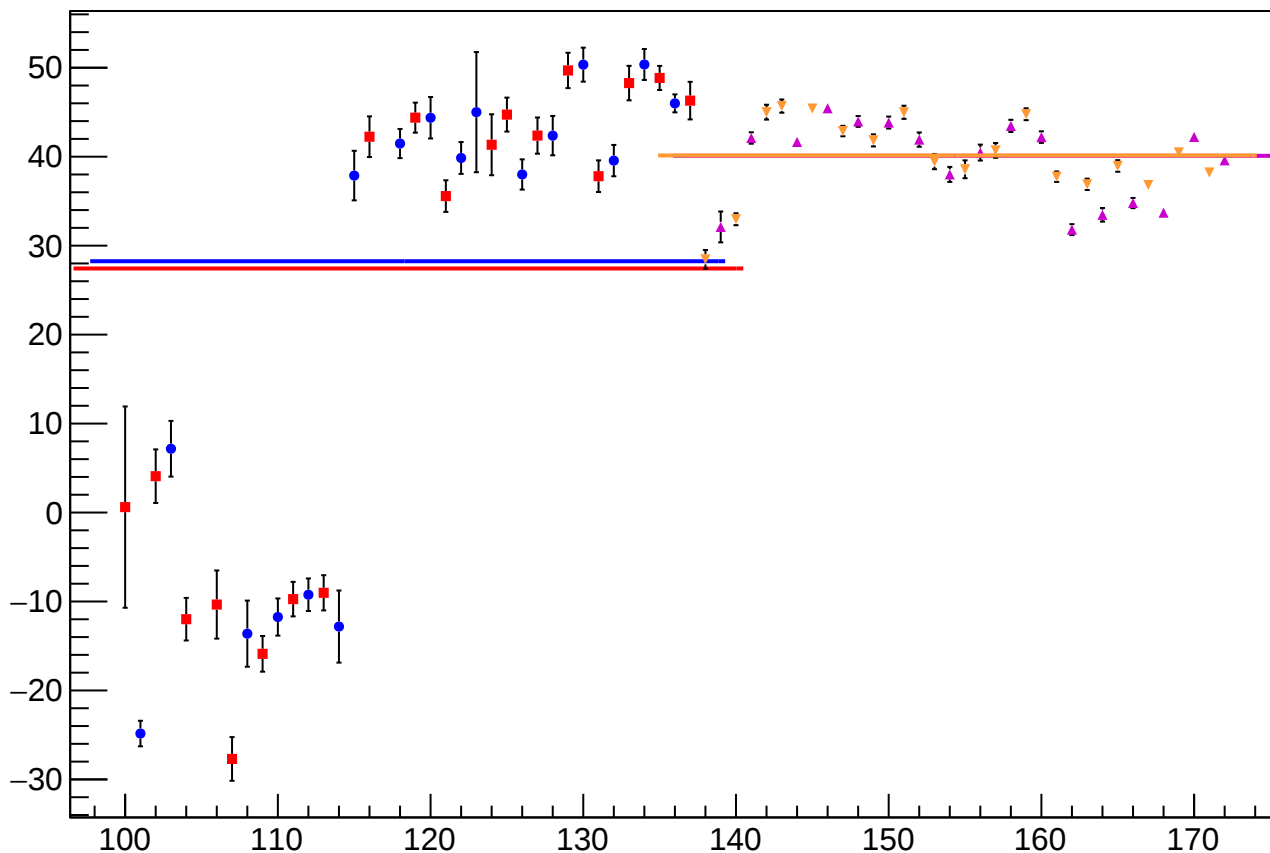
Right: -63.677 ± 0.528 χ^2/NDF : 815.4/35

In: -58.042 ± 0.174 χ^2/NDF : 5166.1/33

Out: -59.094 ± 0.179 χ^2/NDF : 4455.5/36

All: -58.555 ± 0.125 χ^2/NDF : 9639.4/70

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 28.250 $\pm$ 0.460 χ^2 /NDF: 3319.5/16

Left Out: 40.140 $\pm$ 0.154 χ^2 /NDF:648.8/17

Right Out: 27.435 $\pm$ 0.479 χ^2 /NDF: 3032.4/18

Left In: 40.097 $\pm$ 0.152 χ^2 /NDF:777.7/16

Left: 40.118 $\pm$ 0.108 χ^2 /NDF: 1426.5/34

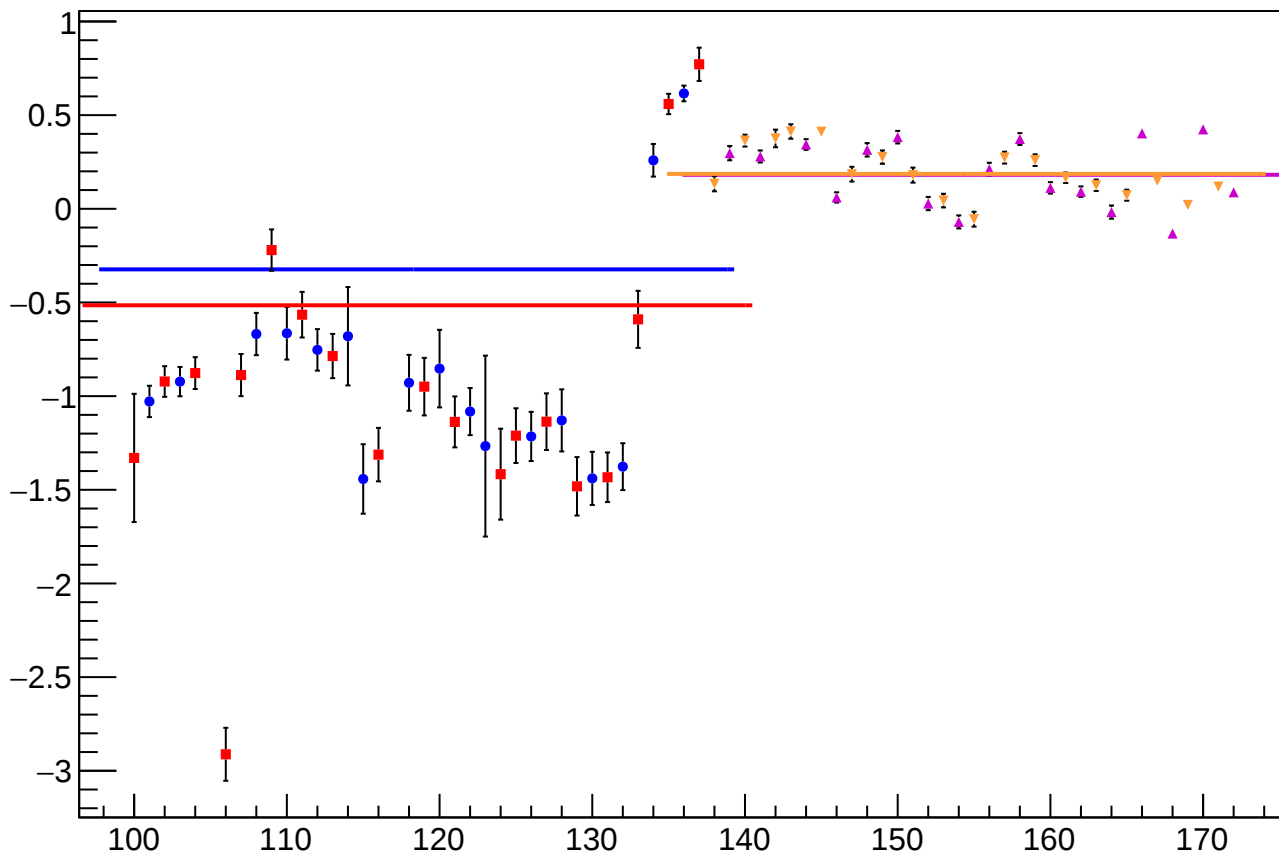
Right: 27.859 $\pm$ 0.332 χ^2 /NDF: 6353.5/35

In: 38.928 $\pm$ 0.145 χ^2 /NDF:4694.8/33

Out: 38.944 $\pm$ 0.147 χ^2 /NDF:4319.1/36

All: 38.936 $\pm$ 0.103 χ^2 /NDF: 9013.9/70

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.323 ± 0.025 $\chi^2/\text{NDF}: 1010.8/16$

Left Out: 0.186 ± 0.007 $\chi^2/\text{NDF}: 321.0/17$

Right Out: -0.515 ± 0.026 $\chi^2/\text{NDF}: 1160.9/18$

Left In: 0.182 ± 0.007 $\chi^2/\text{NDF}: 693.1/16$

Left: 0.184 ± 0.005 $\chi^2/\text{NDF}: 1014.3/34$

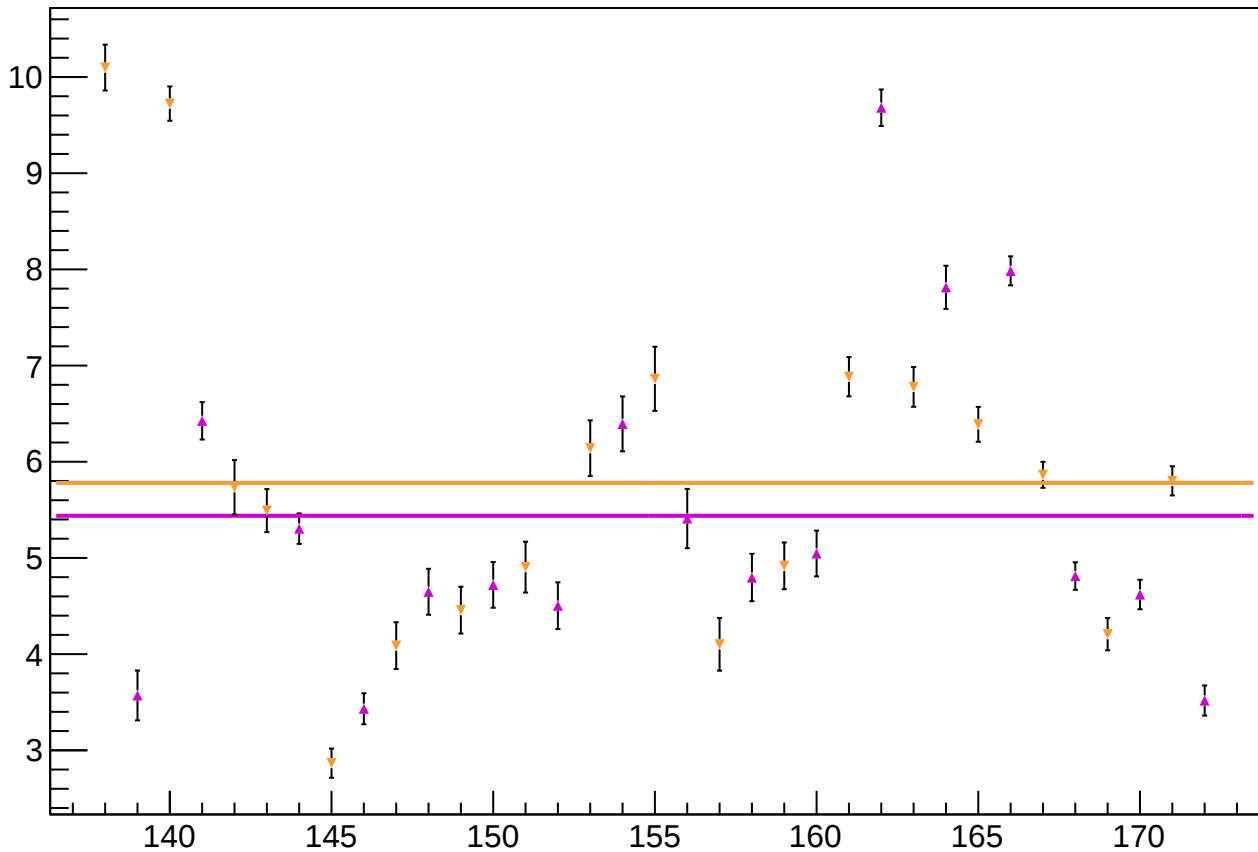
Right: -0.416 ± 0.018 $\chi^2/\text{NDF}: 2200.2/35$

In: 0.144 ± 0.007 $\chi^2/\text{NDF}: 2082.8/33$

Out: 0.136 ± 0.007 $\chi^2/\text{NDF}: 2170.0/36$

All: 0.140 ± 0.005 $\chi^2/\text{NDF}: 4253.5/70$

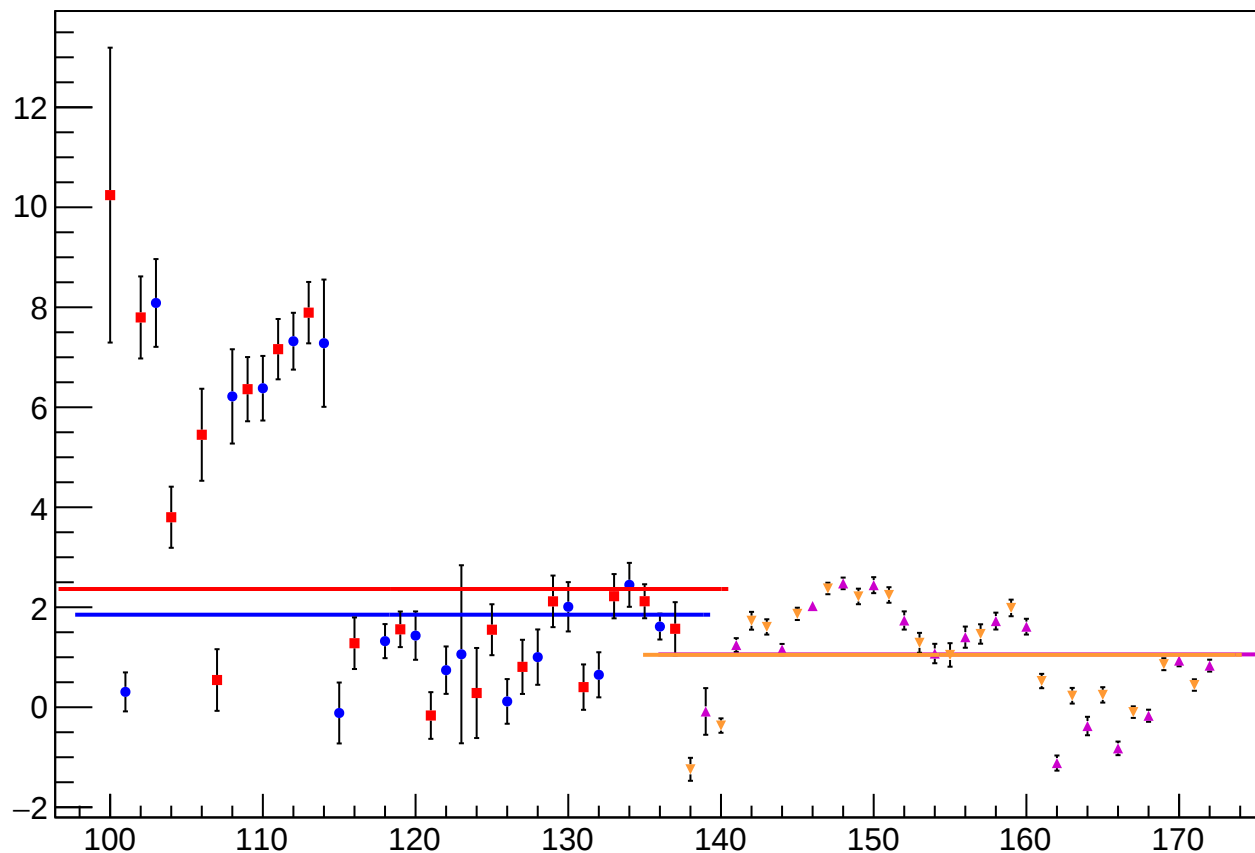
reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left Out: 5.780+/-0.048 χ^2/NDF :1491.0/17
 Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
 Left In: 5.439+/-0.047 χ^2/NDF :1383.4/16

Left: 5.606+/-0.034 χ^2/NDF : 2900.3/34
 Right: 0.000+/-0.000 χ^2/NDF : 0.0/0
 In: 5.439+/-0.047 χ^2/NDF :1383.4/16
 Out: 5.780+/-0.048 χ^2/NDF :1491.0/17
 All: 5.606+/-0.034 χ^2/NDF : 2900.3/34

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: 1.049 ± 0.035 χ^2/NDF : 749.6/17

Right Out: 2.365 ± 0.123 χ^2/NDF : 336.2/18

Left In: 1.057 ± 0.034 χ^2/NDF : 939.4/16

Left: 1.053 ± 0.024 χ^2/NDF : 1689.0/34

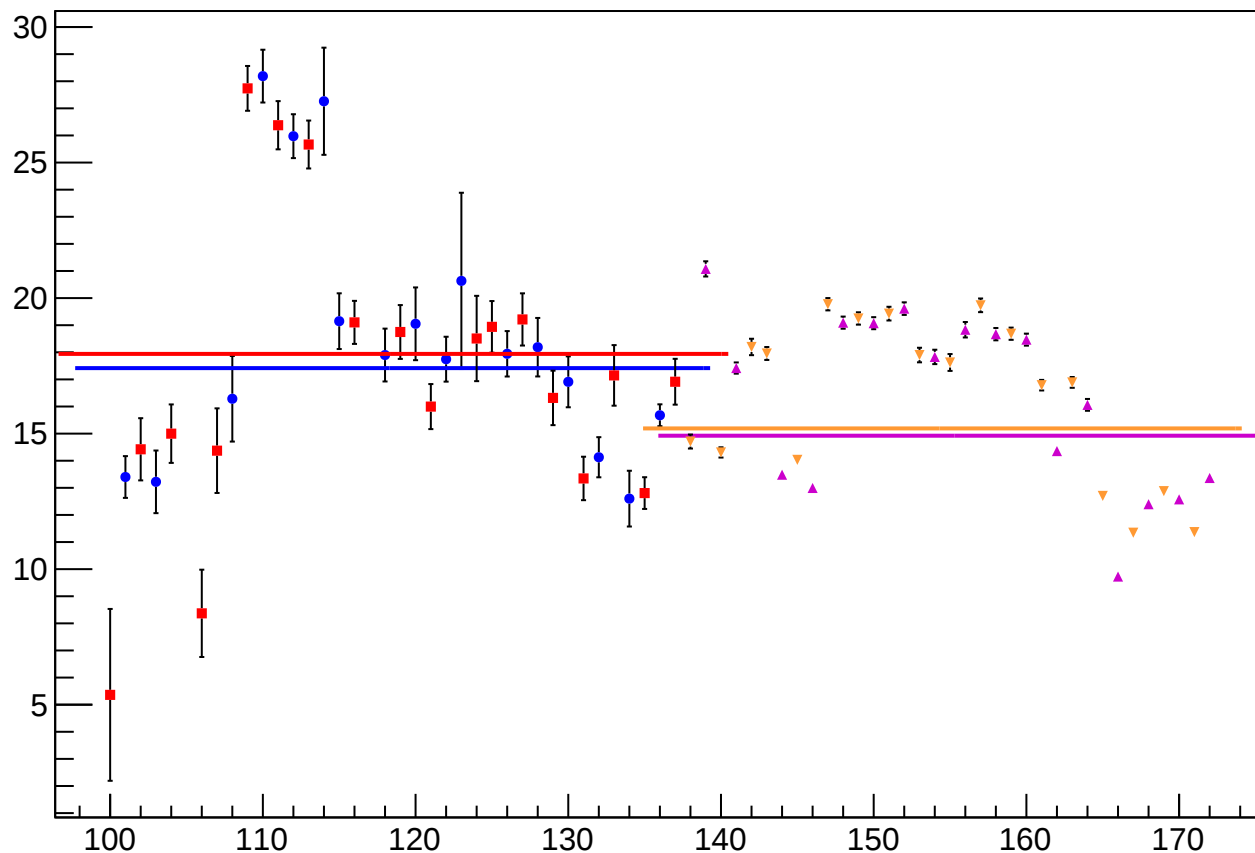
Right: 2.097 ± 0.085 χ^2/NDF : 639.6/35

In: 1.120 ± 0.033 χ^2/NDF : 1275.9/33

Out: 1.147 ± 0.034 χ^2/NDF : 1192.5/36

All: 1.133 ± 0.023 χ^2/NDF : 2468.8/70

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.417 $\pm$ 0.213 χ^2 /NDF: 367.0/16

Left Out: 15.192 $\pm$ 0.048 χ^2 /NDF: 3965.8/17

Right Out: 17.941 $\pm$ 0.219 χ^2 /NDF: 505.6/18

Left In: 14.923 $\pm$ 0.047 χ^2 /NDF: 4605.0/16

Left: 15.054 $\pm$ 0.033 χ^2 /NDF: 8587.0/34

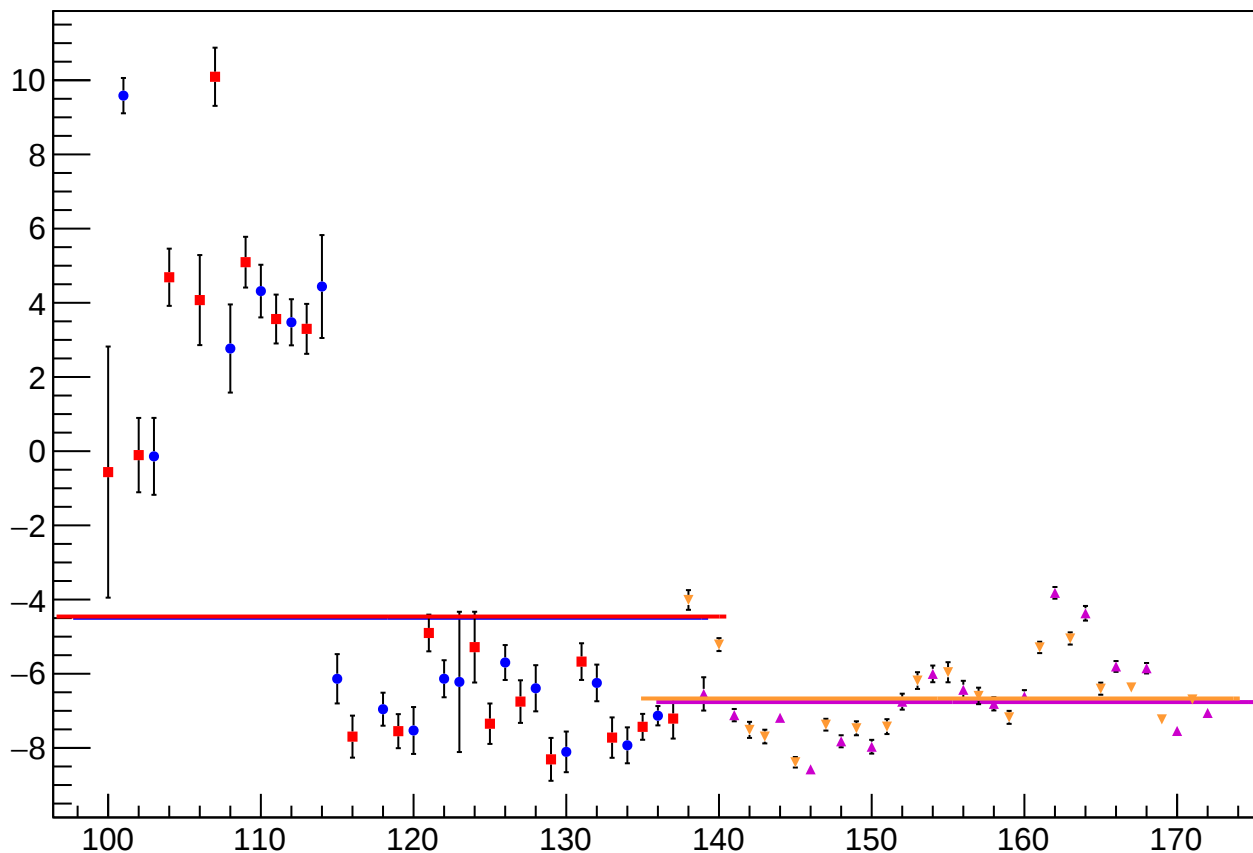
Right: 17.671 $\pm$ 0.153 χ^2 /NDF: 875.6/35

In: 15.038 $\pm$ 0.046 χ^2 /NDF: 5103.3/33

Out: 15.317 $\pm$ 0.047 χ^2 /NDF: 4621.6/36

All: 15.174 $\pm$ 0.033 χ^2 /NDF: 9743.2/70

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: -6.667 ± 0.040 χ^2/NDF : 637.1/17

Right Out: -4.458 ± 0.137 χ^2/NDF : 1338.9/18

Left In: -6.764 ± 0.040 χ^2/NDF : 951.7/16

Left: -6.716 ± 0.028 χ^2/NDF : 1591.8/34

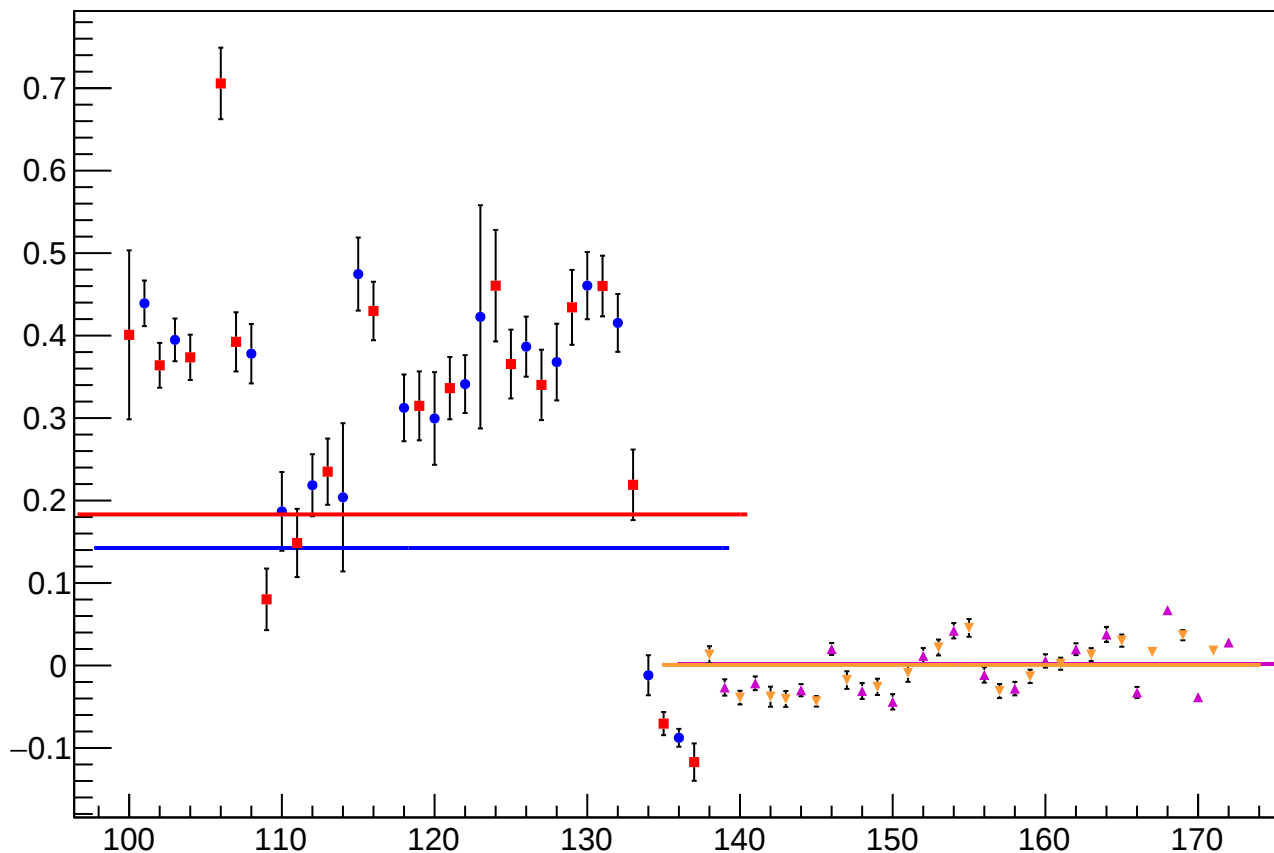
Right: -4.476 ± 0.094 χ^2/NDF : 2924.4/35

In: -6.573 ± 0.038 χ^2/NDF : 2815.1/33

Out: -6.493 ± 0.038 χ^2/NDF : 2215.5/36

All: -6.533 ± 0.027 χ^2/NDF : 5032.7/70

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: 0.001 ± 0.002 χ^2/NDF : 222.2/17

Right Out: 0.183 ± 0.007 χ^2/NDF : 1000.9/18

Left In: 0.002 ± 0.002 χ^2/NDF : 374.0/16

Left: 0.001 ± 0.001 χ^2/NDF : 596.3/34

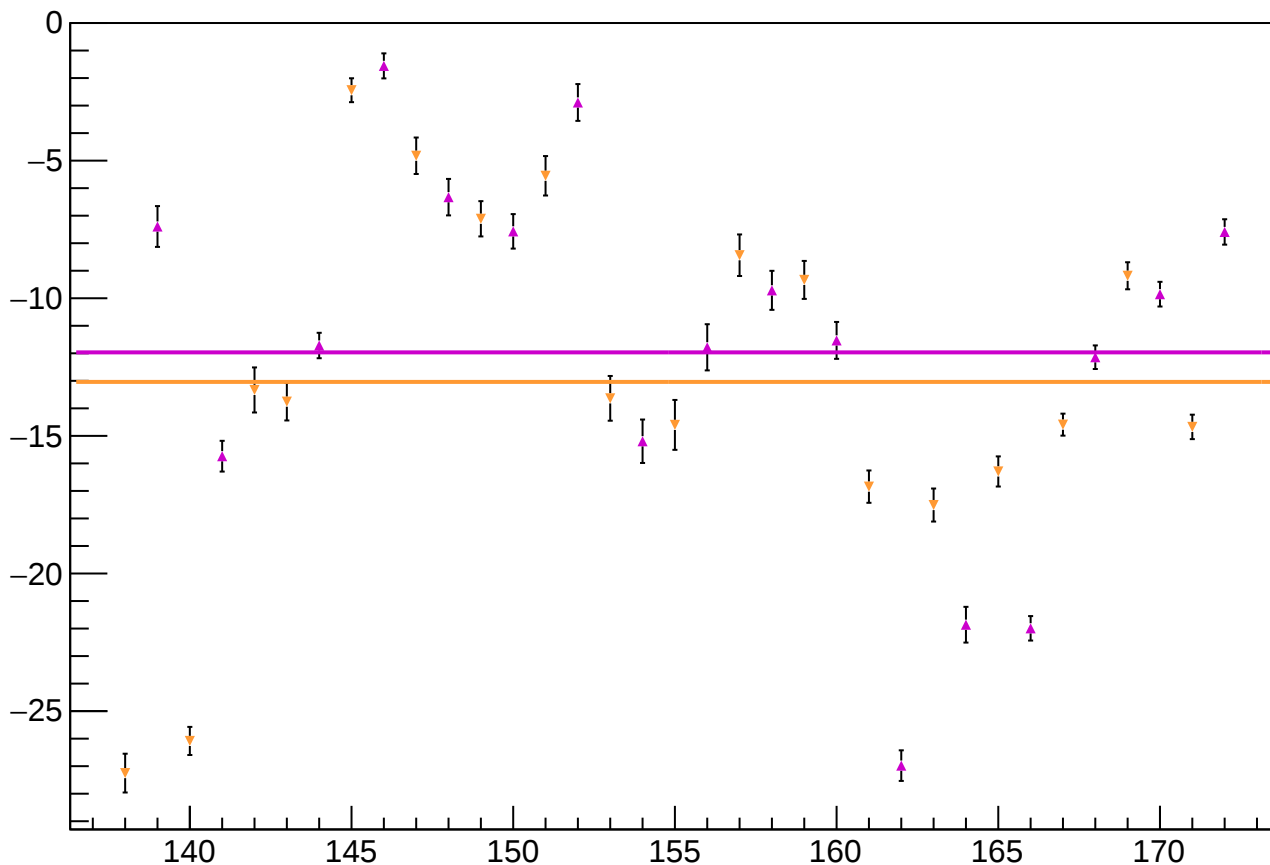
Right: 0.162 ± 0.005 χ^2/NDF : 2075.4/35

In: 0.011 ± 0.002 χ^2/NDF : 1803.6/33

Out: 0.012 ± 0.002 χ^2/NDF : 1793.6/36

All: 0.011 ± 0.001 χ^2/NDF : 3597.3/70

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -13.039+/-0.138 χ^2/NDF :2297.8/17

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

Left In: -11.966+/-0.135 χ^2/NDF :2524.8/16

Left: -12.492+/-0.097 χ^2/NDF : 4853.4/34

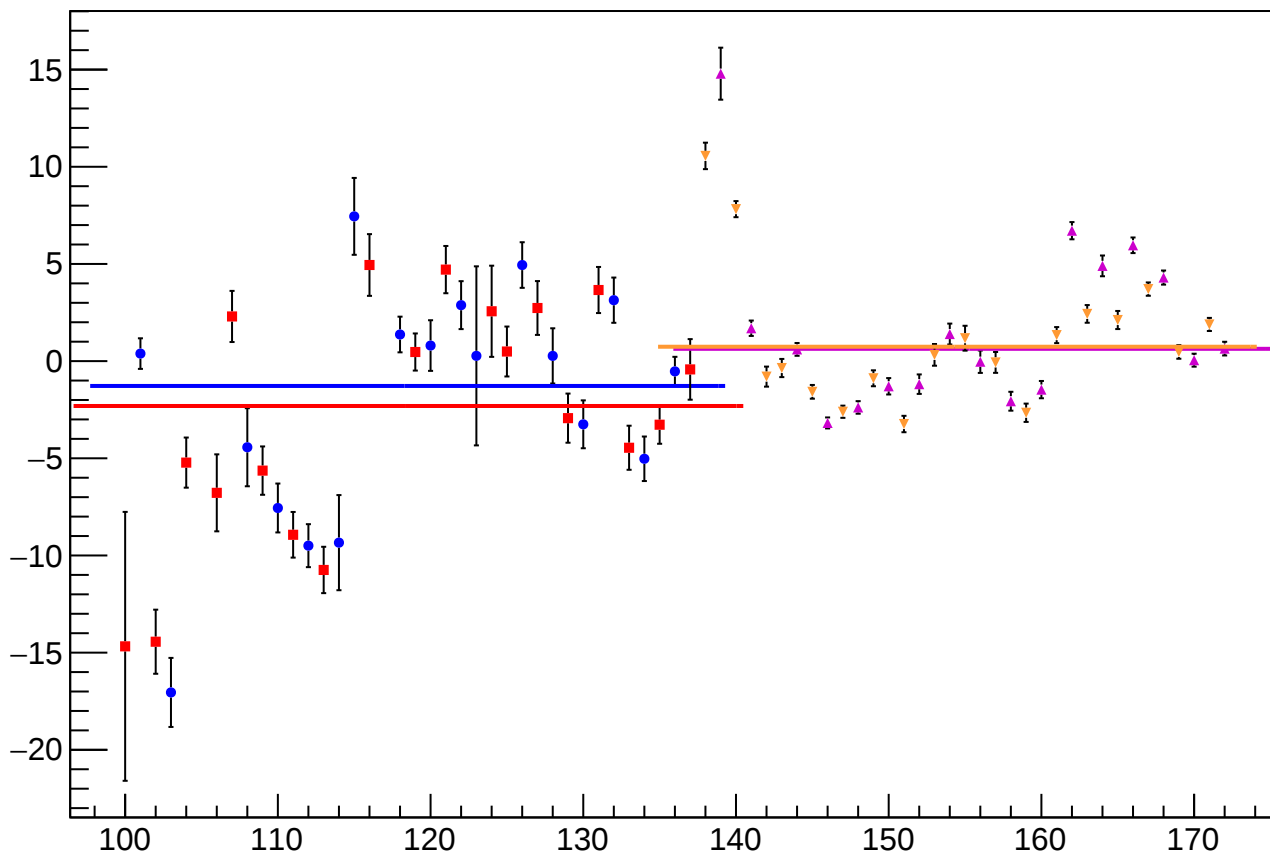
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -11.966+/-0.135 χ^2/NDF :2524.8/16

Out: -13.039+/-0.138 χ^2/NDF :2297.8/17

All: -12.492+/-0.097 χ^2/NDF : 4853.4/34

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: 0.741 ± 0.100 χ^2/NDF : 942.0/17

Right Out: -2.309 ± 0.302 χ^2/NDF : 285.3/18

Left In: 0.633 ± 0.098 χ^2/NDF : 1012.1/16

Left: 0.686 ± 0.070 χ^2/NDF : 1954.7/34

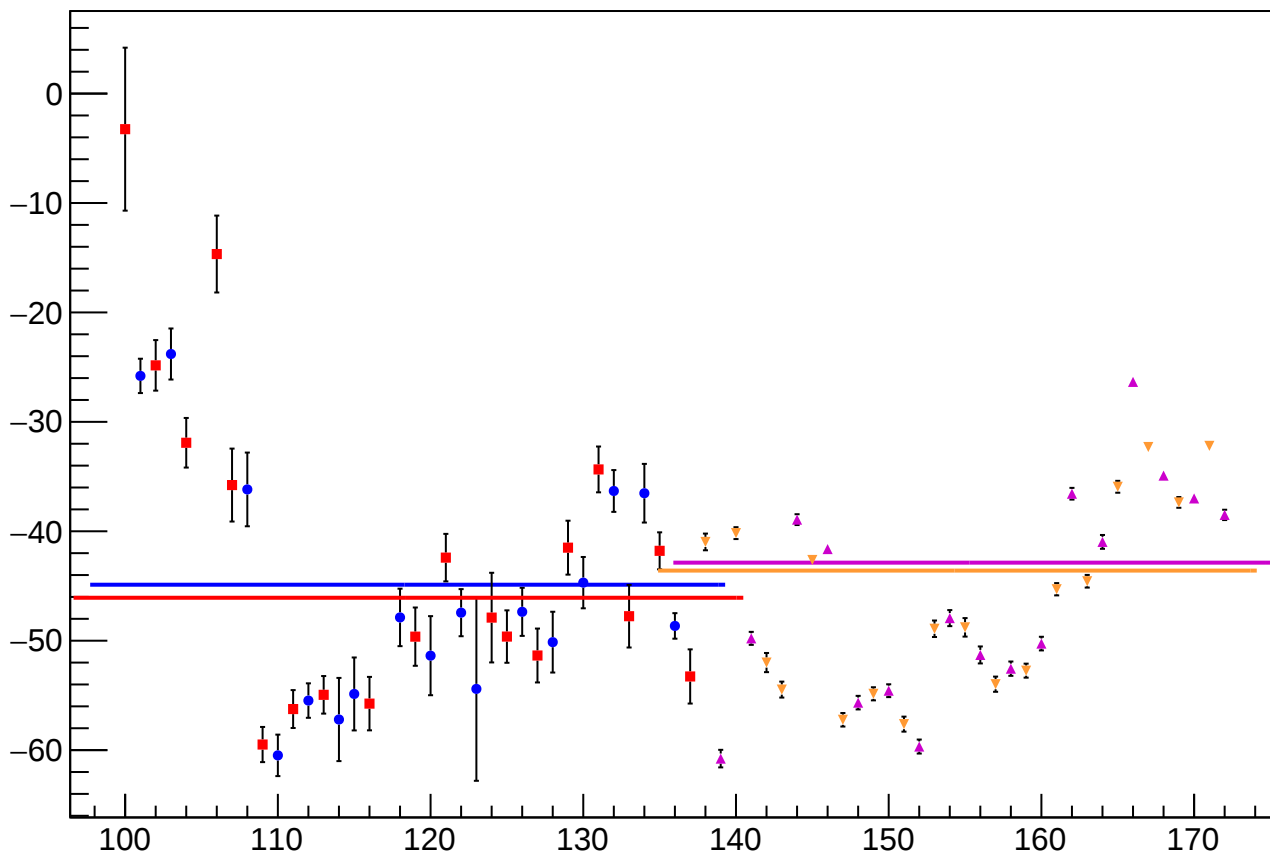
Right: -1.776 ± 0.210 χ^2/NDF : 567.8/35

In: 0.438 ± 0.093 χ^2/NDF : 1326.9/33

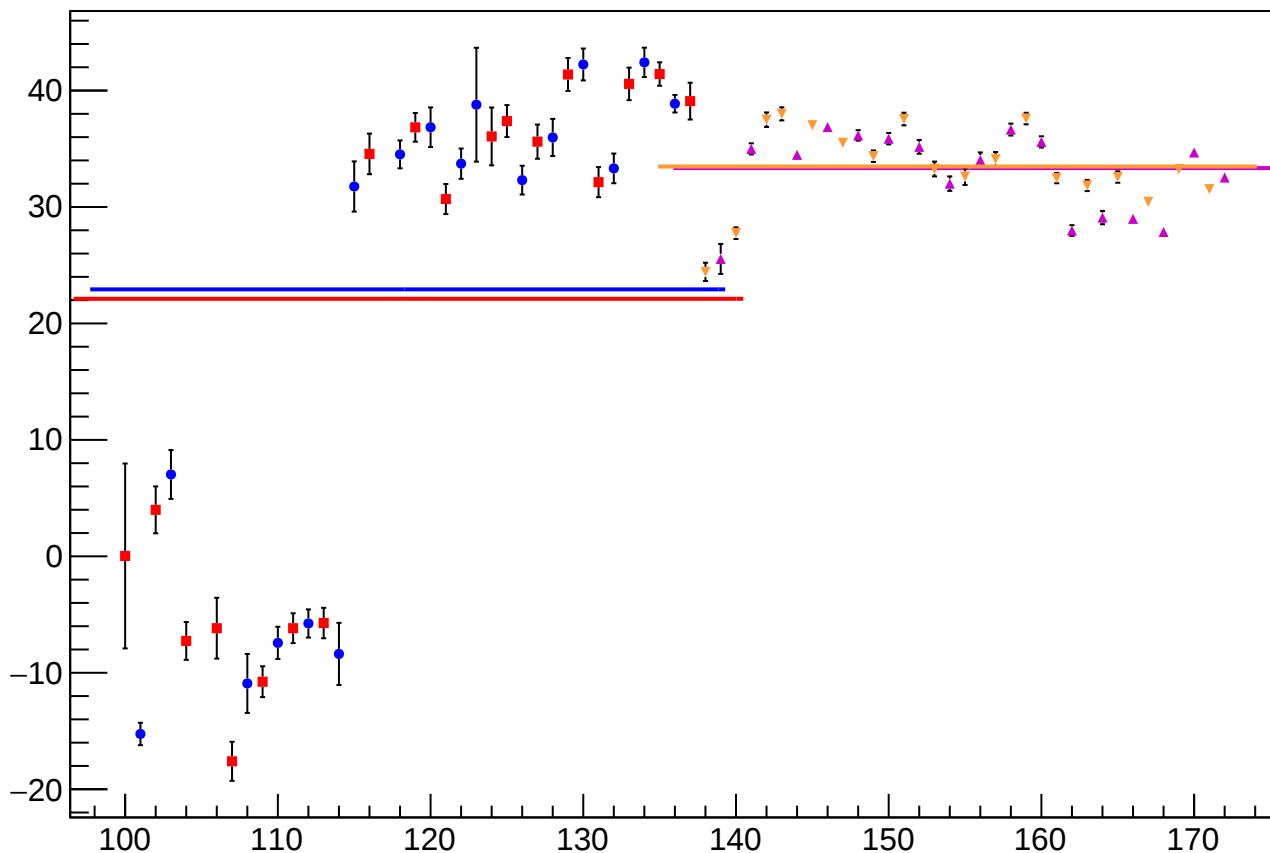
Out: 0.441 ± 0.095 χ^2/NDF : 1319.0/36

All: 0.439 ± 0.067 χ^2/NDF : 2646.0/70

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.926 $\pm$ 0.328 χ^2 /NDF: 4330.2/16

Left Out: 33.478 $\pm$ 0.115 χ^2 /NDF: 709.3/17

Right Out: 22.117 $\pm$ 0.340 χ^2 /NDF: 4033.4/18

Left In: 33.341 $\pm$ 0.114 χ^2 /NDF: 779.1/16

Left: 33.409 $\pm$ 0.081 χ^2 /NDF: 1489.2/34

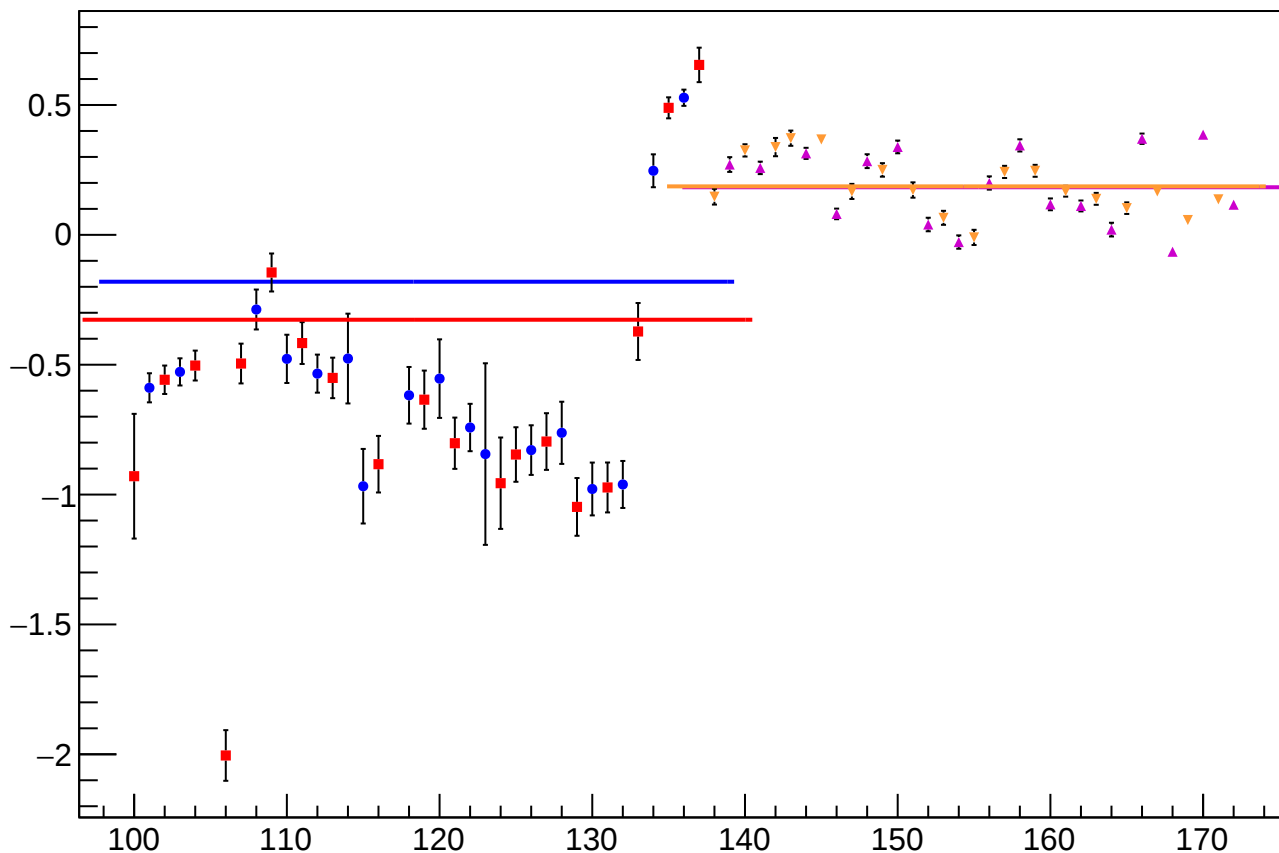
Right: 22.536 $\pm$ 0.236 χ^2 /NDF: 8366.6/35

In: 32.225 $\pm$ 0.107 χ^2 /NDF: 6009.1/33

Out: 32.309 $\pm$ 0.109 χ^2 /NDF: 5744.7/36

All: 32.266 $\pm$ 0.077 χ^2 /NDF: 11754.1/70

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.180 ± 0.018 χ^2/NDF : 995.7/16

Left Out: 0.187 ± 0.005 χ^2/NDF : 360.6/17

Right Out: -0.327 ± 0.018 χ^2/NDF : 1175.6/18

Left In: 0.183 ± 0.005 χ^2/NDF : 824.5/16

Left: 0.185 ± 0.004 χ^2/NDF : 1185.3/34

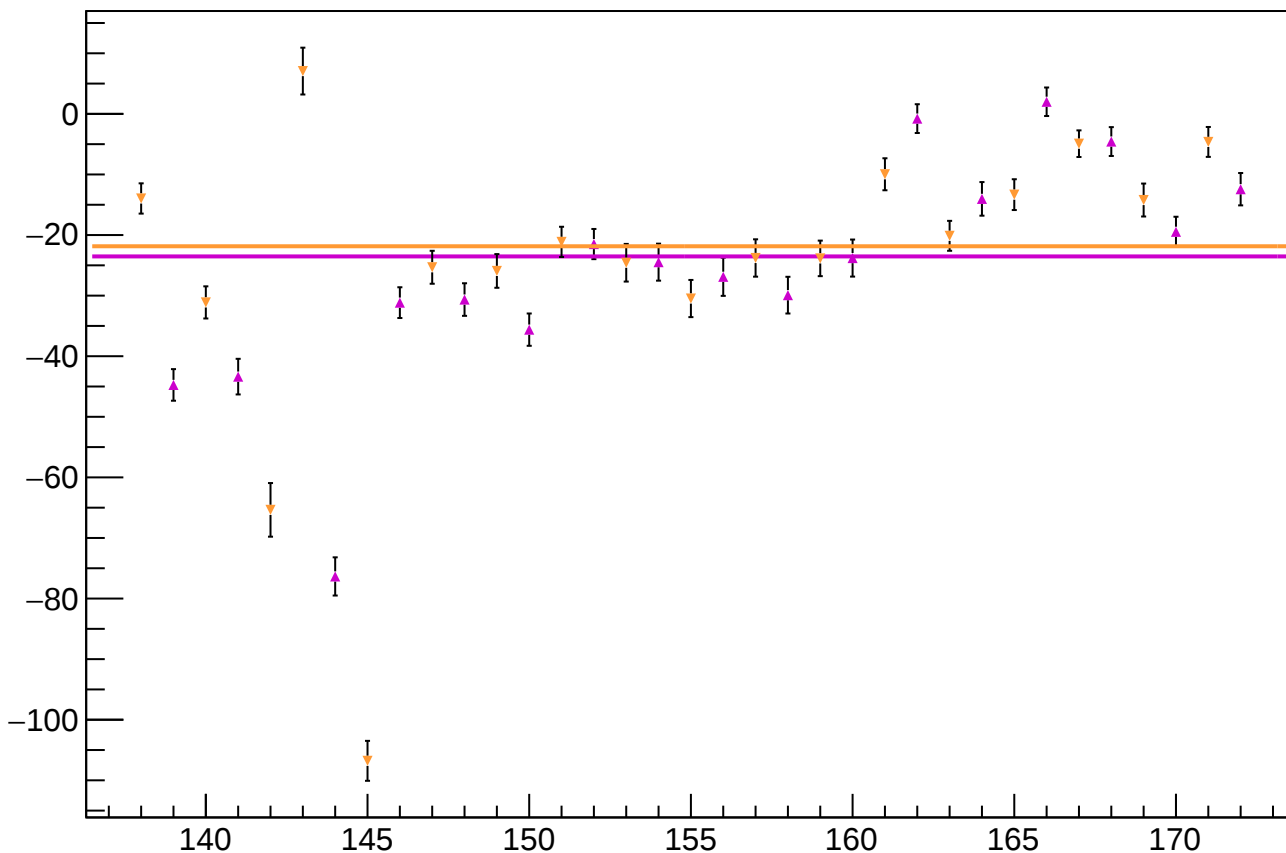
Right: -0.252 ± 0.013 χ^2/NDF : 2204.4/35

In: 0.154 ± 0.005 χ^2/NDF : 2205.3/33

Out: 0.146 ± 0.005 χ^2/NDF : 2268.8/36

All: 0.150 ± 0.004 χ^2/NDF : 4475.4/70

reg_asym_atl1_diff_bpm1X_slope vs Slug, Sign Corrected



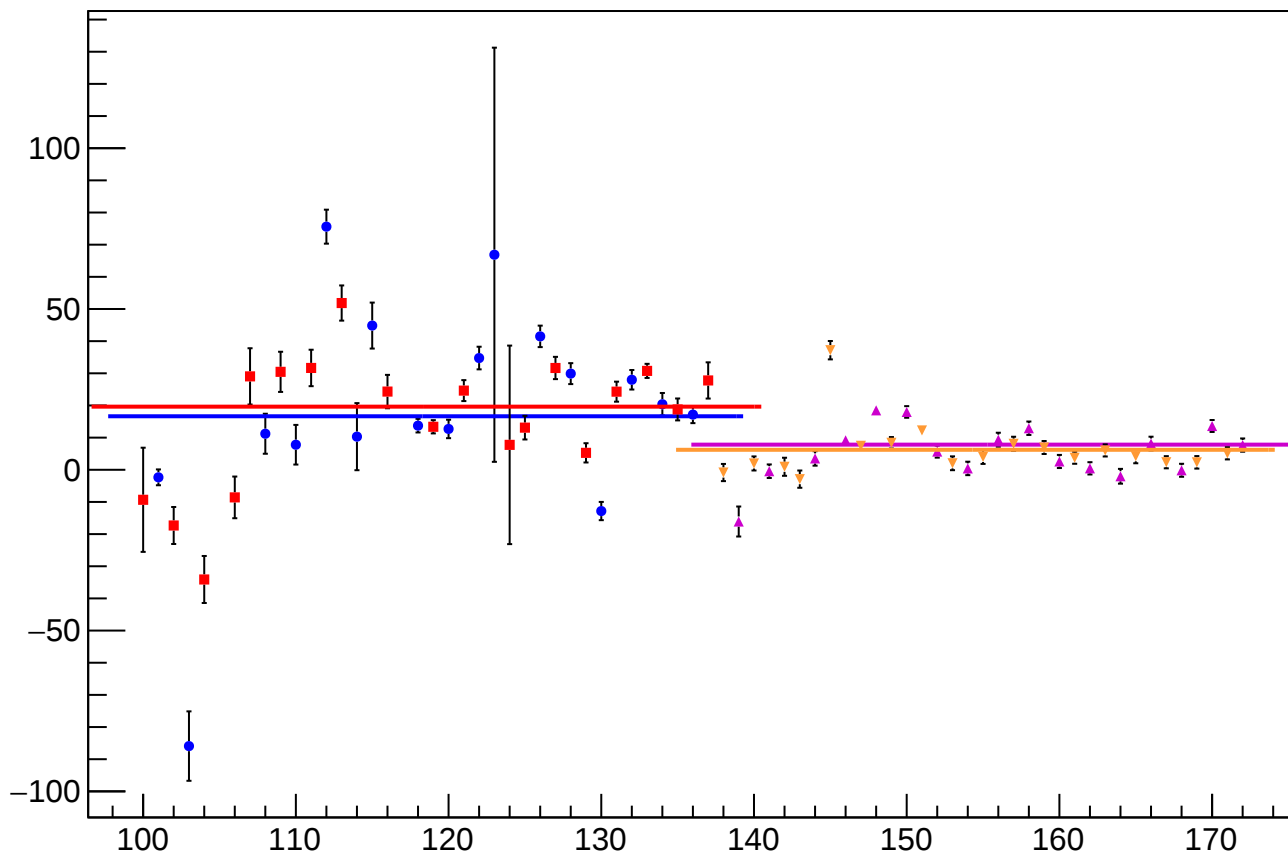
Right In: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left Out: -21.852 ± 0.654 $\chi^2/\text{NDF}: 999.8/17$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: -23.528 ± 0.652 $\chi^2/\text{NDF}: 739.8/16$

Left: -22.692 ± 0.462 $\chi^2/\text{NDF}: 1742.9/34$
 Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -23.528 ± 0.652 $\chi^2/\text{NDF}: 739.8/16$
 Out: -21.852 ± 0.654 $\chi^2/\text{NDF}: 999.8/17$

All: -22.692 ± 0.462 $\chi^2/\text{NDF}: 1742.9/34$

reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 16.641 ± 0.859 χ^2/NDF : 518.9/16

Left Out: 6.215 ± 0.465 χ^2/NDF : 180.6/17

Right Out: 19.632 ± 0.896 χ^2/NDF : 241.7/18

Left In: 7.819 ± 0.474 χ^2/NDF : 229.8/16

Left: 7.002 ± 0.332 χ^2/NDF : 416.3/34

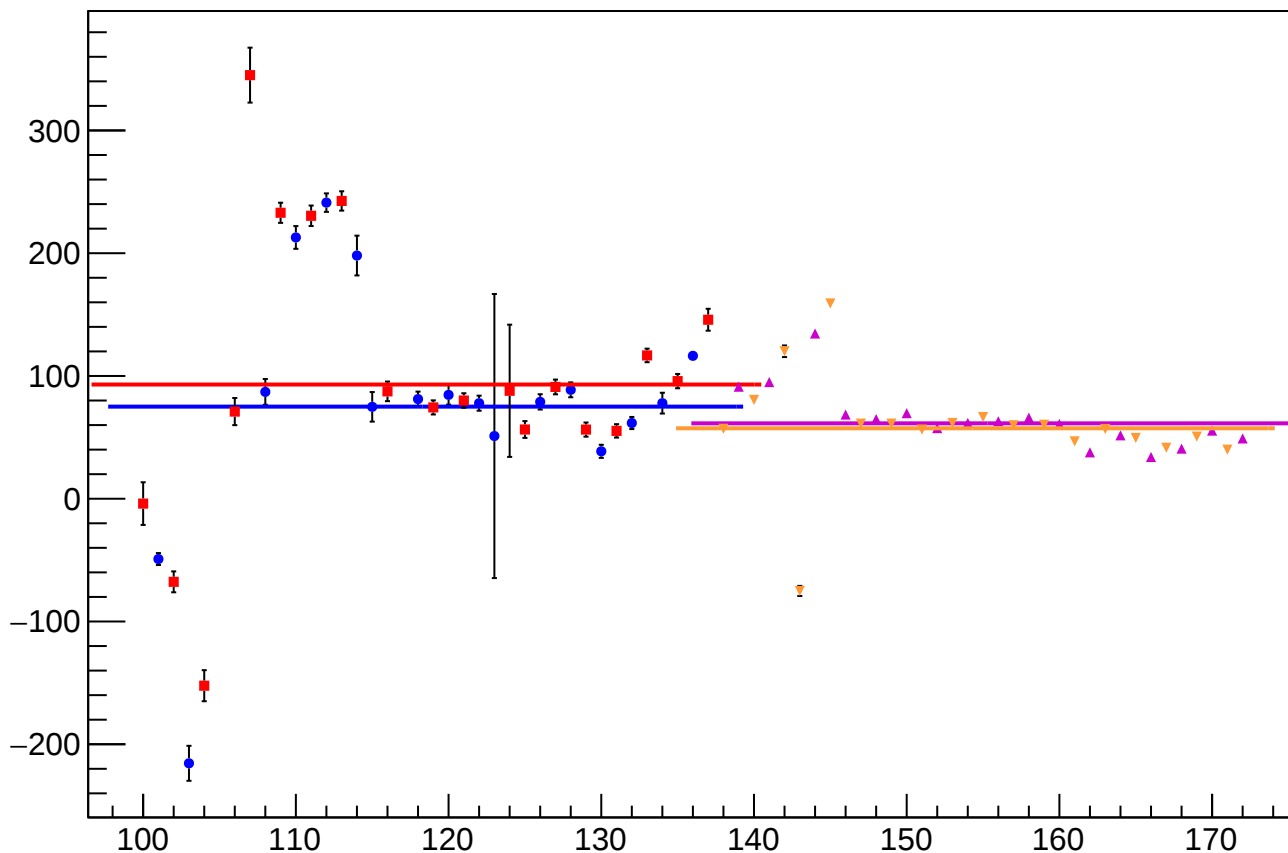
Right: 18.072 ± 0.620 χ^2/NDF : 766.4/35

In: 9.876 ± 0.415 χ^2/NDF : 829.7/33

Out: 9.059 ± 0.413 χ^2/NDF : 598.9/36

All: 9.466 ± 0.292 χ^2/NDF : 1430.5/70

reg_asym_atl1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 75.032+/-1.647 χ^2/NDF : 1999.7/16

Left Out: 57.380+/-0.644 χ^2/NDF : 2308.0/17

Right Out: 93.028+/-1.711 χ^2/NDF : 2003.6/18

Left In: 61.423+/-0.640 χ^2/NDF : 1075.4/16

Left: 59.413+/-0.454 χ^2/NDF : 3403.2/34

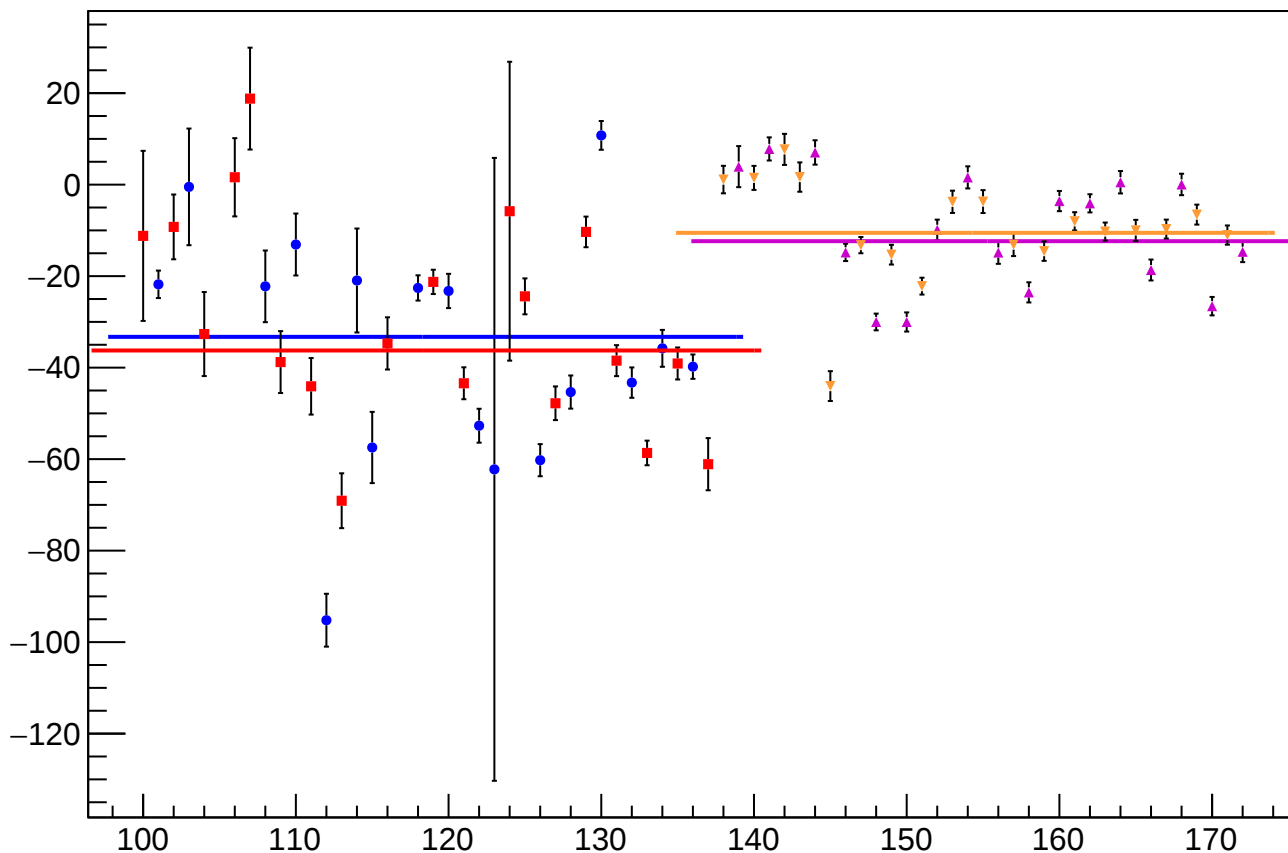
Right: 83.683+/-1.187 χ^2/NDF : 4060.7/35

In: 63.208+/-0.596 χ^2/NDF : 3134.4/33

Out: 61.797+/-0.602 χ^2/NDF : 4691.7/36

All: 62.510+/-0.424 χ^2/NDF : 7828.9/70

reg_asym_atl1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.272 ± 0.982 $\chi^2/\text{NDF}: 489.4/16$

Left Out: -10.534 ± 0.540 $\chi^2/\text{NDF}: 256.9/17$

Right Out: -36.251 ± 1.024 $\chi^2/\text{NDF}: 297.6/18$

Left In: -12.359 ± 0.548 $\chi^2/\text{NDF}: 504.5/16$

Left: -11.433 ± 0.384 $\chi^2/\text{NDF}: 767.1/34$

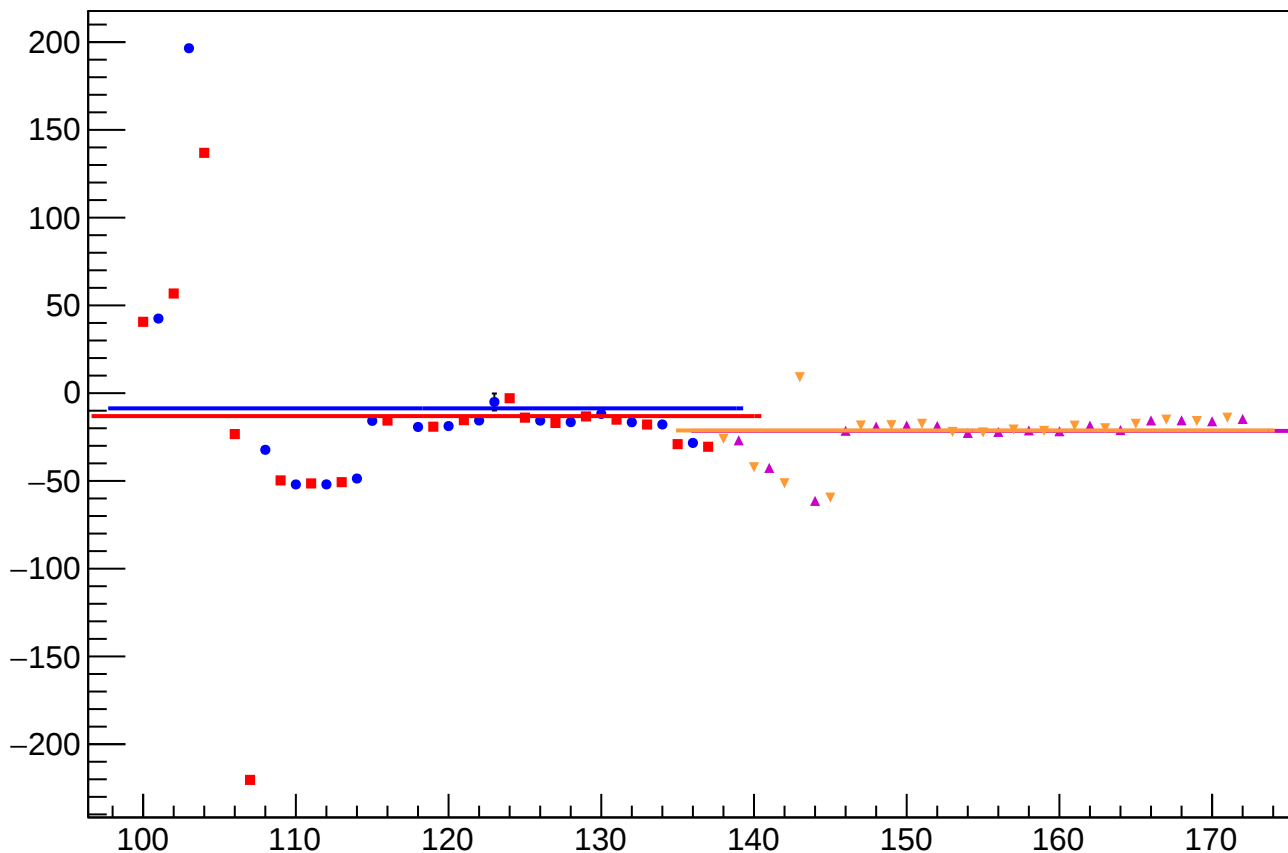
Right: -34.699 ± 0.709 $\chi^2/\text{NDF}: 791.4/35$

In: -17.320 ± 0.478 $\chi^2/\text{NDF}: 1339.9/33$

Out: -16.124 ± 0.477 $\chi^2/\text{NDF}: 1048.2/36$

All: -16.721 ± 0.338 $\chi^2/\text{NDF}: 2391.2/70$

reg_asym_atl1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -8.657 ± 0.059 $\chi^2/\text{NDF}: 575742.7/16$

Left Out: -21.252 ± 0.025 $\chi^2/\text{NDF}: 189445.7/17$

Right Out: -13.077 ± 0.062 $\chi^2/\text{NDF}: 558318.9/18$

Left In: -21.505 ± 0.025 $\chi^2/\text{NDF}: 123512.3/16$

Left: -21.379 ± 0.018 $\chi^2/\text{NDF}: 313009.4/34$

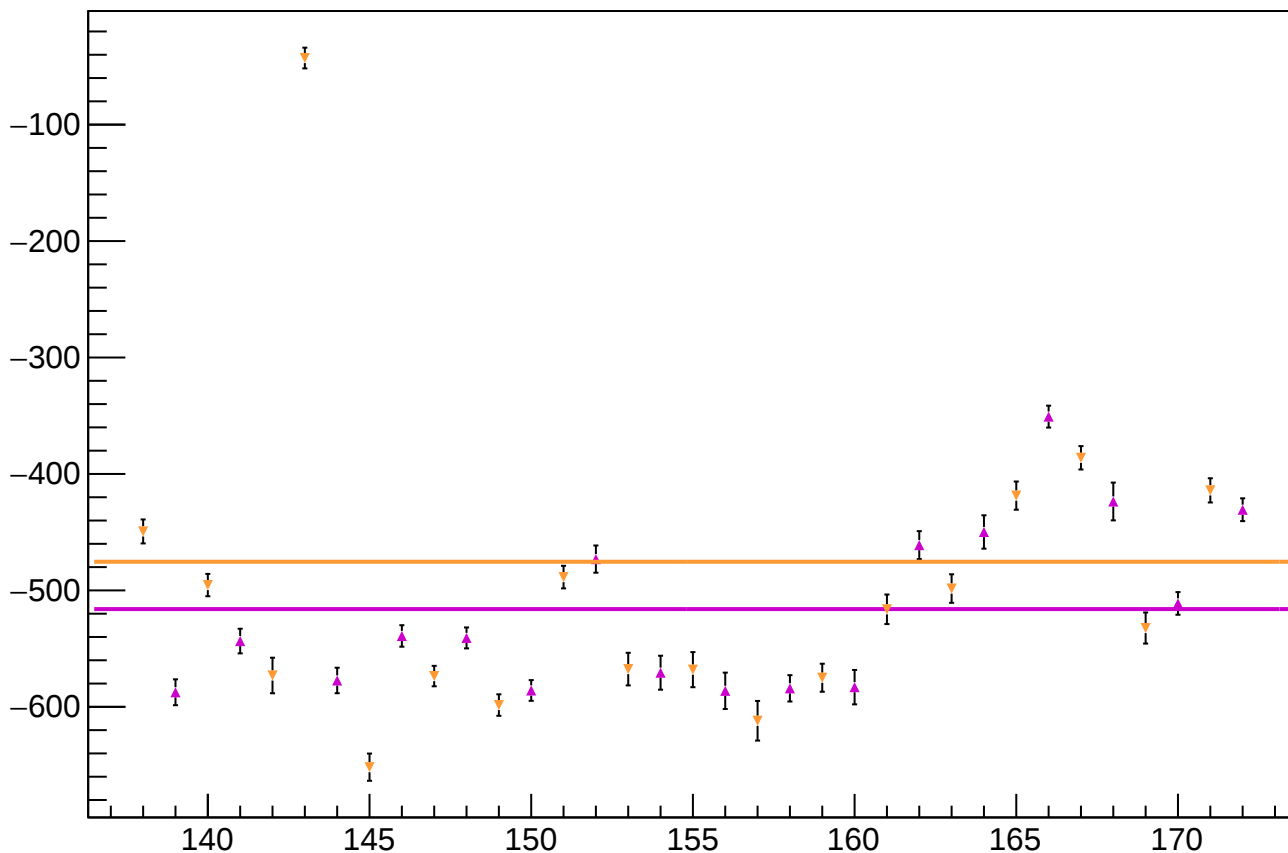
Right: -10.767 ± 0.043 $\chi^2/\text{NDF}: 1136731.7/35$

In: -19.568 ± 0.023 $\chi^2/\text{NDF}: 739413.3/33$

Out: -20.099 ± 0.023 $\chi^2/\text{NDF}: 762783.2/36$

All: -19.831 ± 0.016 $\chi^2/\text{NDF}: 1502461.4/70$

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -475.387+/-2.634 χ^2/NDF :3328.1/17

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

Left In: -516.043+/-2.686 χ^2/NDF :719.3/16

Left: -495.314+/-1.881 χ^2/NDF : 4164.2/34

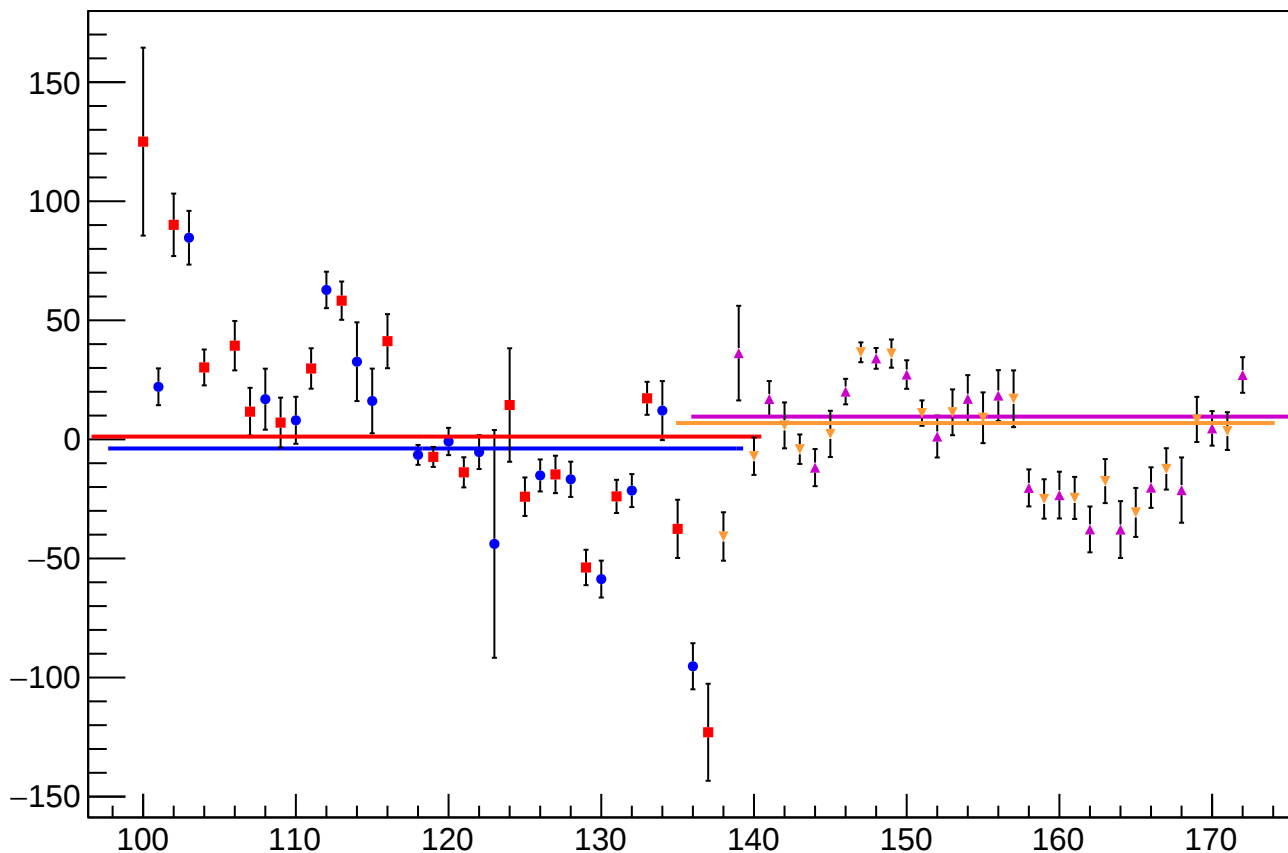
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -516.043+/-2.686 χ^2/NDF :719.3/16

Out: -475.387+/-2.634 χ^2/NDF :3328.1/17

All: -495.314+/-1.881 χ^2/NDF : 4164.2/34

reg_asym_atl2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.815 ± 1.923 χ^2/NDF : 314.3/16

Left Out: 6.869 ± 1.795 χ^2/NDF : 158.3/17

Right Out: 1.175 ± 1.914 χ^2/NDF : 303.9/18

Left In: 9.561 ± 1.874 χ^2/NDF : 146.0/16

Left: 8.157 ± 1.296 χ^2/NDF : 305.4/34

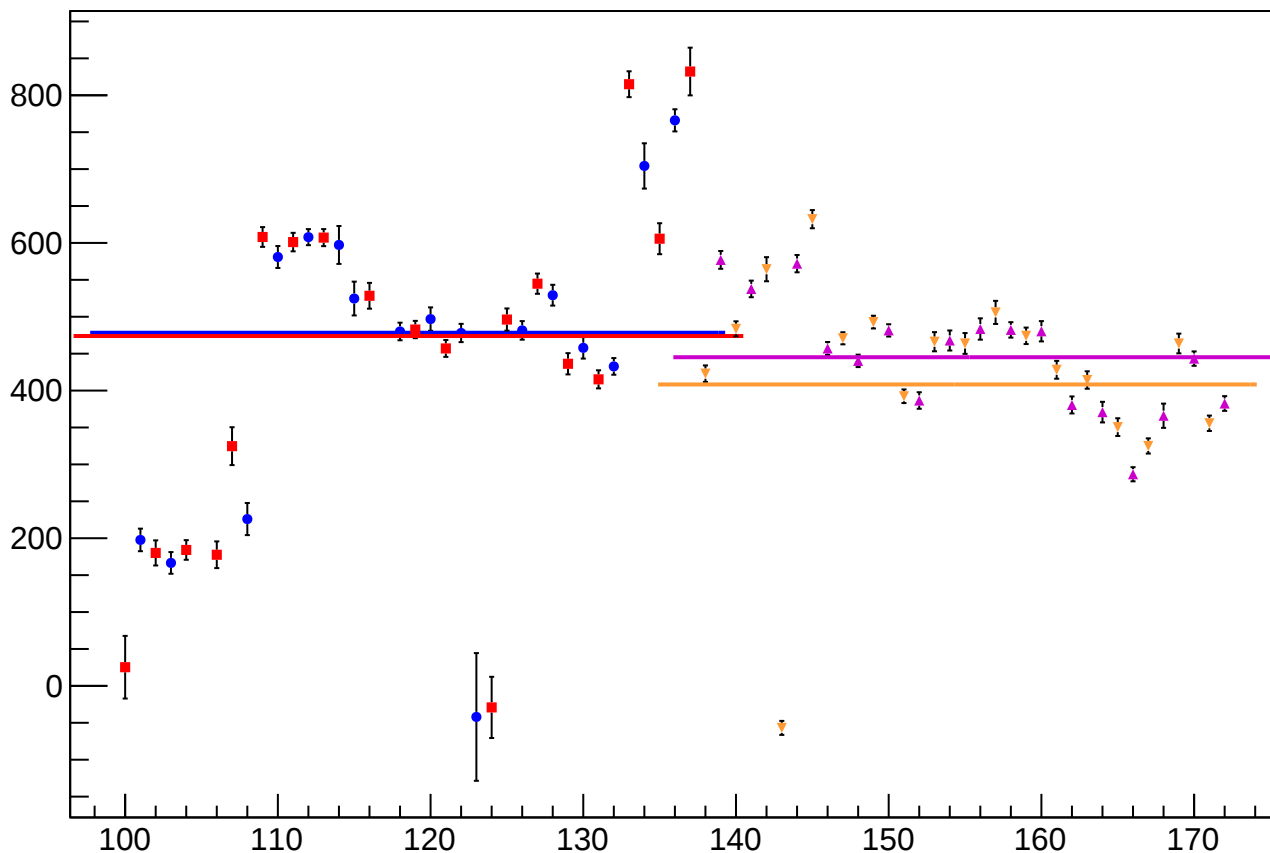
Right: -1.308 ± 1.356 χ^2/NDF : 621.6/35

In: 3.044 ± 1.342 χ^2/NDF : 485.1/33

Out: 4.205 ± 1.309 χ^2/NDF : 466.9/36

All: 3.639 ± 0.937 χ^2/NDF : 952.4/70

reg_asym_atl2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 478.334 $\pm$ 3.662 χ^2 /NDF: 1628.8/16

Left Out: 408.280 $\pm$ 2.606 χ^2 /NDF: 3276.7/17

Right Out: 473.902 $\pm$ 3.531 χ^2 /NDF: 2285.0/18

Left In: 445.183 $\pm$ 2.636 χ^2 /NDF: 778.1/16

Left: 426.523 $\pm$ 1.853 χ^2 /NDF: 4153.9/34

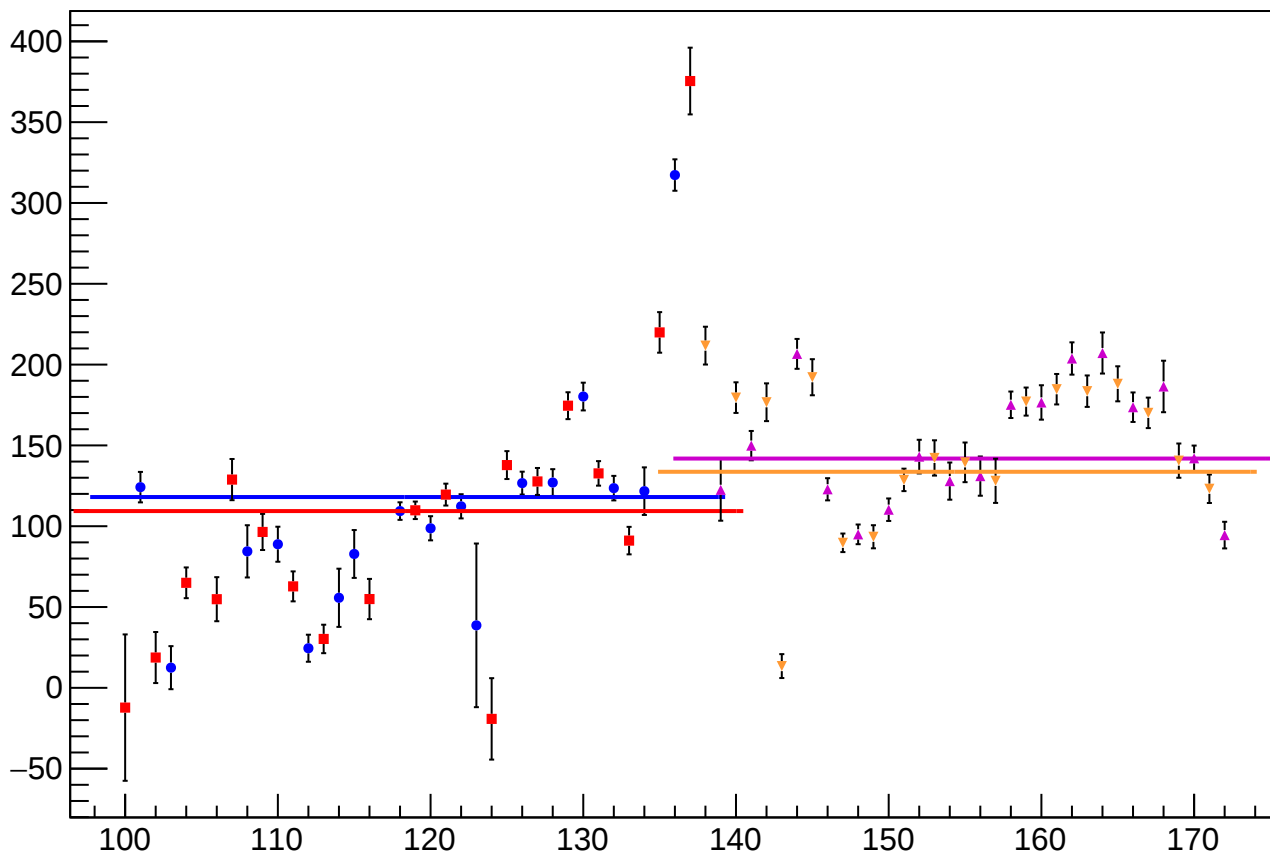
Right: 476.038 $\pm$ 2.542 χ^2 /NDF: 3914.6/35

In: 456.495 $\pm$ 2.139 χ^2 /NDF: 2460.9/33

Out: 431.420 $\pm$ 2.097 χ^2 /NDF: 5785.3/36

All: 443.707 $\pm$ 1.497 χ^2 /NDF: 8316.3/70

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 118.055 $\pm$ 2.225 χ^2 /NDF: 705.3/16

Left Out: 133.683 $\pm$ 2.133 χ^2 /NDF: 587.7/17

Right Out: 109.367 $\pm$ 2.205 χ^2 /NDF: 569.8/18

Left In: 141.863 $\pm$ 2.205 χ^2 /NDF: 285.7/16

Left: 137.638 $\pm$ 1.533 χ^2 /NDF: 880.5/34

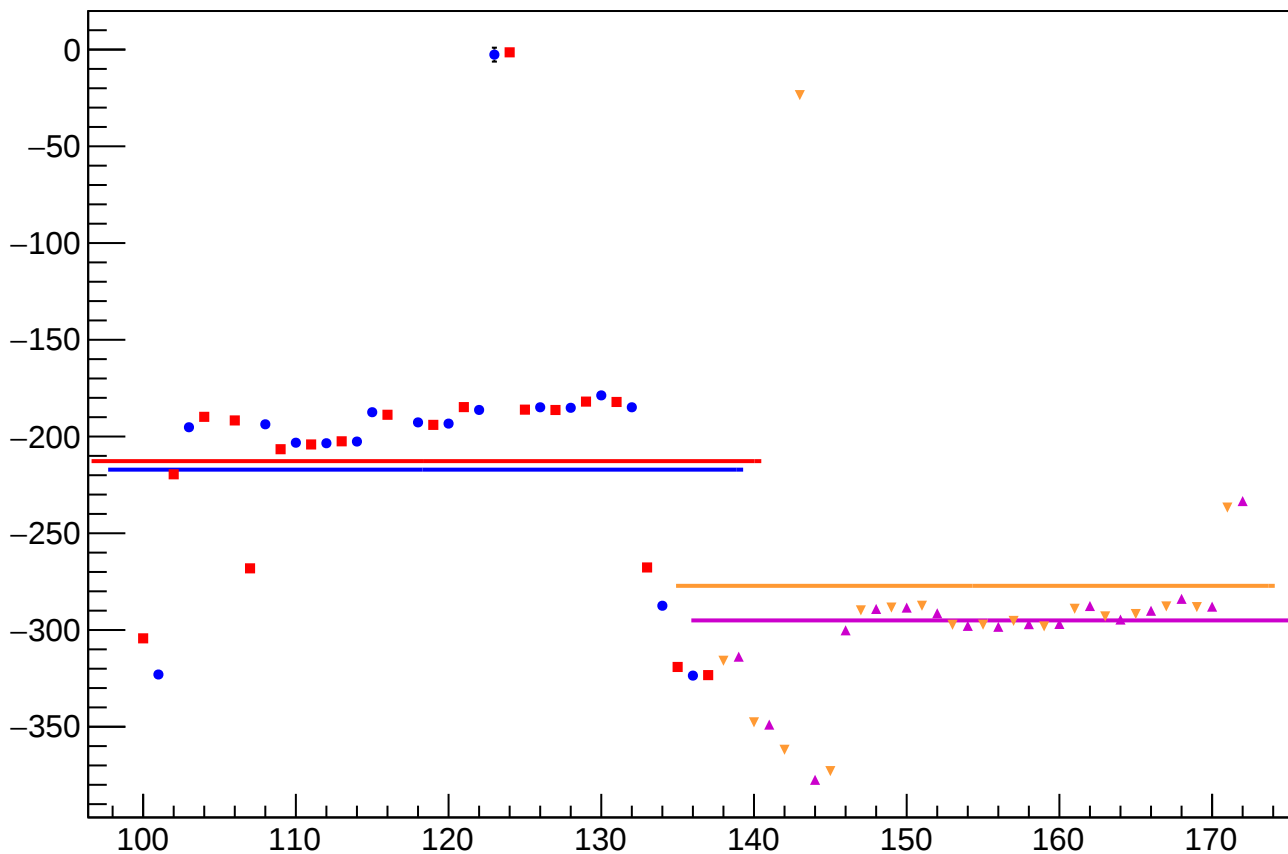
Right: 113.671 $\pm$ 1.566 χ^2 /NDF: 1282.8/35

In: 130.069 $\pm$ 1.566 χ^2 /NDF: 1048.8/33

Out: 121.925 $\pm$ 1.533 χ^2 /NDF: 1220.3/36

All: 125.911 $\pm$ 1.096 χ^2 /NDF: 2282.9/70

reg_asym_atl2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -217.120 ± 0.137 $\chi^2/\text{NDF}: 146559.7/16$

Left Out: -277.167 ± 0.104 $\chi^2/\text{NDF}: 559104.2/17$

Right Out: -212.715 ± 0.130 $\chi^2/\text{NDF}: 115566.2/18$

Left In: -295.040 ± 0.104 $\chi^2/\text{NDF}: 74101.6/16$

Left: -286.078 ± 0.073 $\chi^2/\text{NDF}: 647990.4/34$

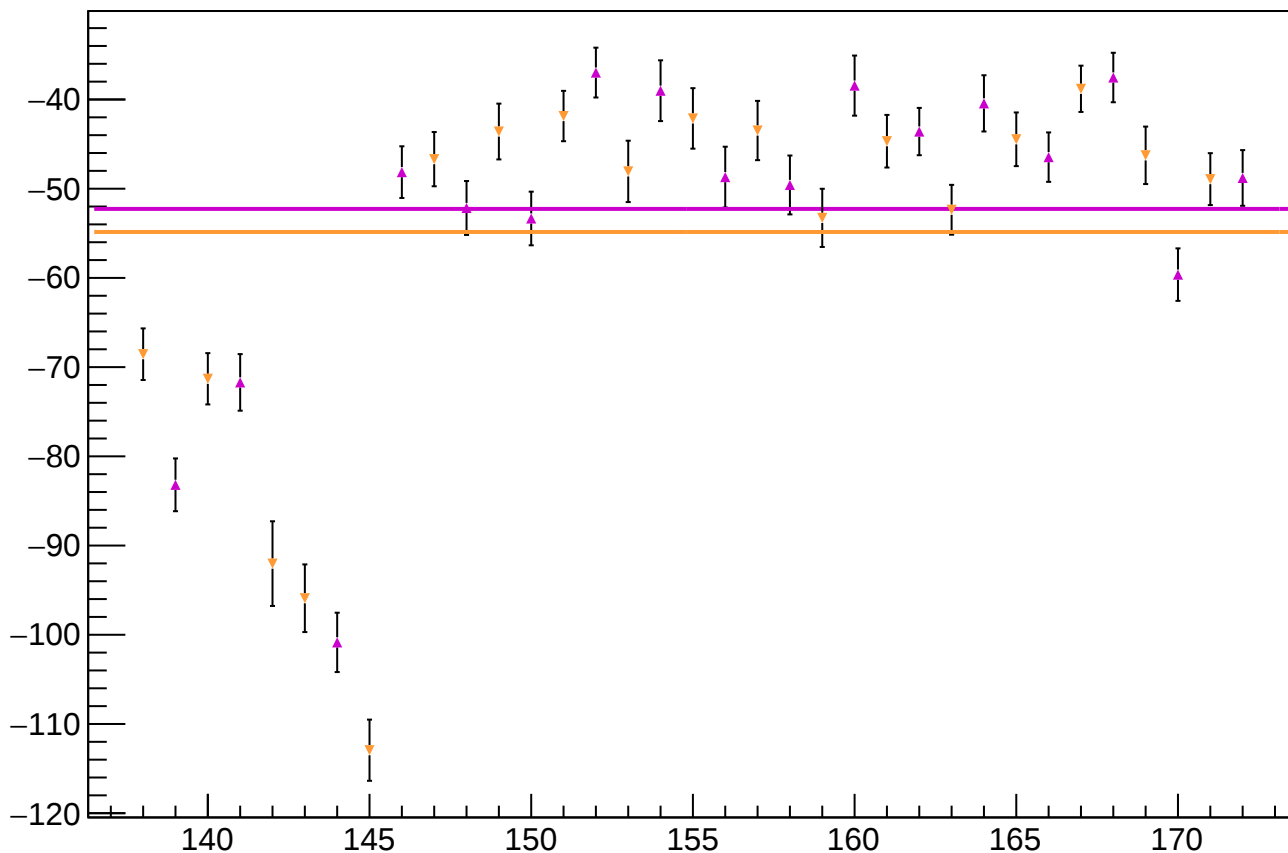
Right: -214.812 ± 0.094 $\chi^2/\text{NDF}: 262670.9/35$

In: -266.411 ± 0.083 $\chi^2/\text{NDF}: 426567.3/33$

Out: -252.119 ± 0.081 $\chi^2/\text{NDF}: 824537.4/36$

All: -259.123 ± 0.058 $\chi^2/\text{NDF}: 1266303.9/70$

reg_asym_atr1_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -54.850+/-0.735 χ^2/NDF : 666.4/17

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

Left In: -52.264+/-0.736 χ^2/NDF : 490.9/16

Left: -53.559+/-0.520 χ^2/NDF : 1163.4/34

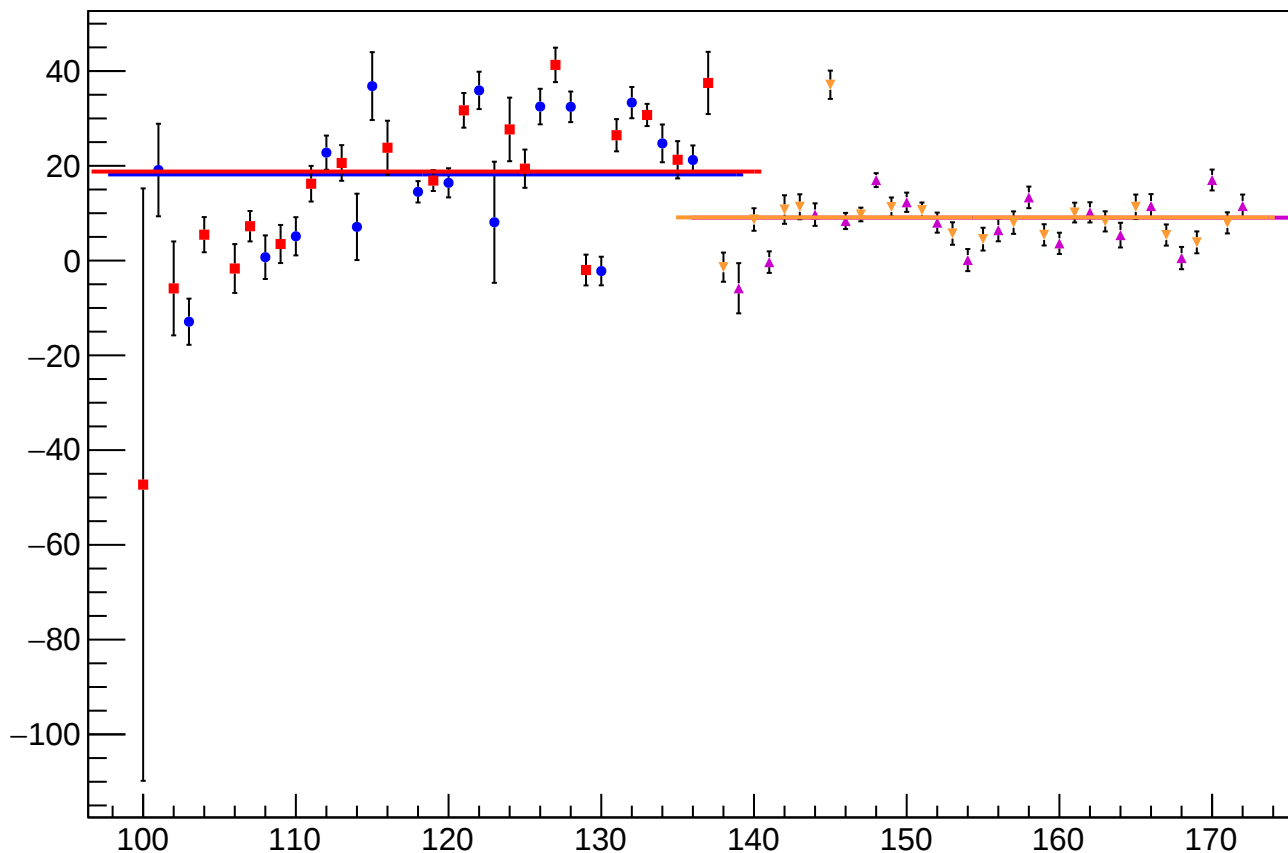
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -52.264+/-0.736 χ^2/NDF : 490.9/16

Out: -54.850+/-0.735 χ^2/NDF : 666.4/17

All: -53.559+/-0.520 χ^2/NDF : 1163.4/34

reg_asym_atr1_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.188 ± 0.917 χ^2/NDF : 204.9/16

Left Out: 9.114 ± 0.521 χ^2/NDF : 121.2/17

Right Out: 18.791 ± 0.863 χ^2/NDF : 198.8/18

Left In: 9.057 ± 0.533 χ^2/NDF : 112.9/16

Left: 9.086 ± 0.373 χ^2/NDF : 234.0/34

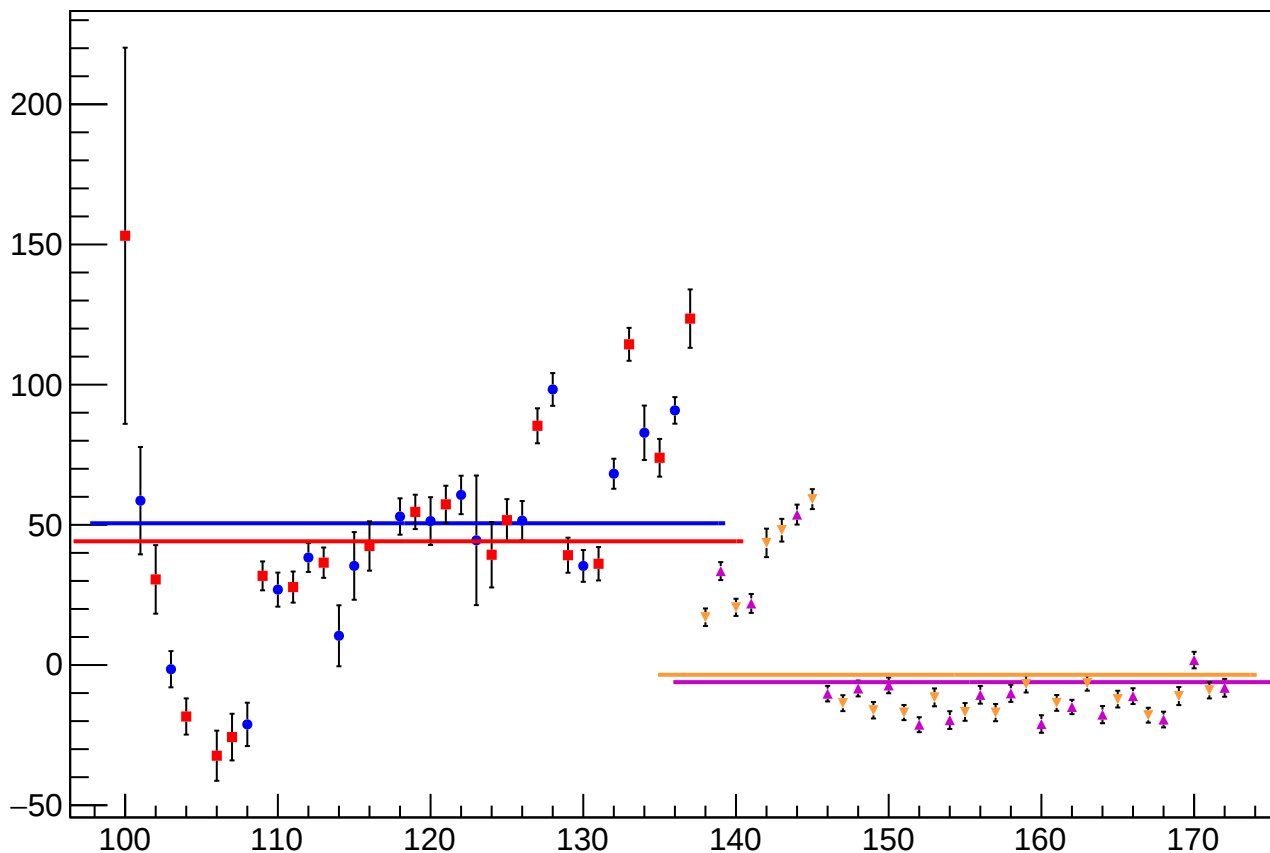
Right: 18.508 ± 0.628 χ^2/NDF : 403.9/35

In: 11.364 ± 0.461 χ^2/NDF : 391.8/33

Out: 11.701 ± 0.446 χ^2/NDF : 412.1/36

All: 11.538 ± 0.321 χ^2/NDF : 804.2/70

reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 50.565+/-1.678 χ^2/NDF : 357.9/16

Left Out: -3.476+/-0.724 χ^2/NDF : 824.0/17

Right Out: 44.132+/-1.603 χ^2/NDF : 532.5/18

Left In: -6.098+/-0.722 χ^2/NDF : 643.4/16

Left: -4.791+/-0.511 χ^2/NDF : 1474.0/34

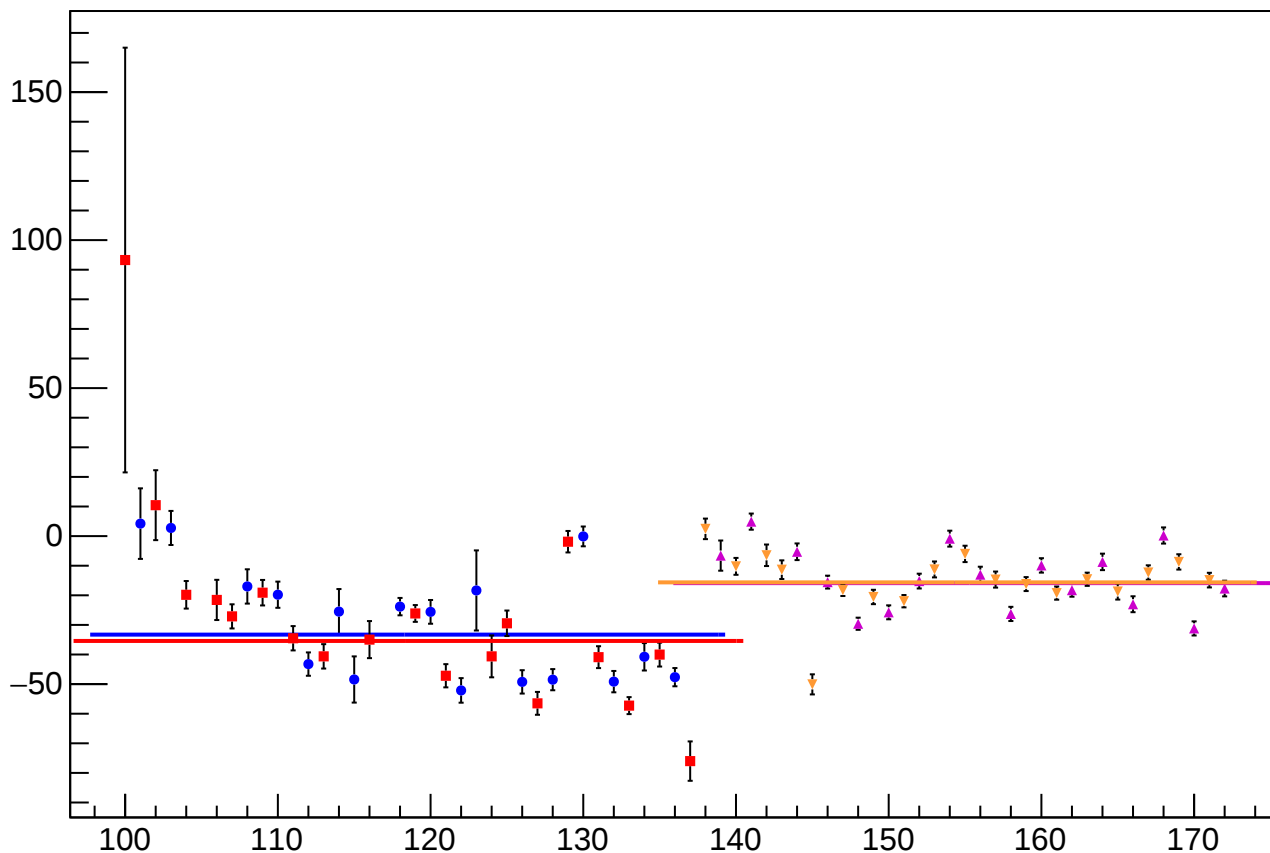
Right: 47.201+/-1.159 χ^2/NDF : 898.2/35

In: 2.749+/-0.663 χ^2/NDF : 1964.1/33

Out: 4.588+/-0.660 χ^2/NDF : 2089.6/36

All: 3.673+/-0.468 χ^2/NDF : 4057.6/70

reg_asym_atr1_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -33.281 ± 1.043 χ^2/NDF : 290.1/16

Left Out: -15.627 ± 0.606 χ^2/NDF : 185.1/17

Right Out: -35.417 ± 0.991 χ^2/NDF : 289.7/18

Left In: -15.887 ± 0.617 χ^2/NDF : 286.0/16

Left: -15.755 ± 0.432 χ^2/NDF : 471.2/34

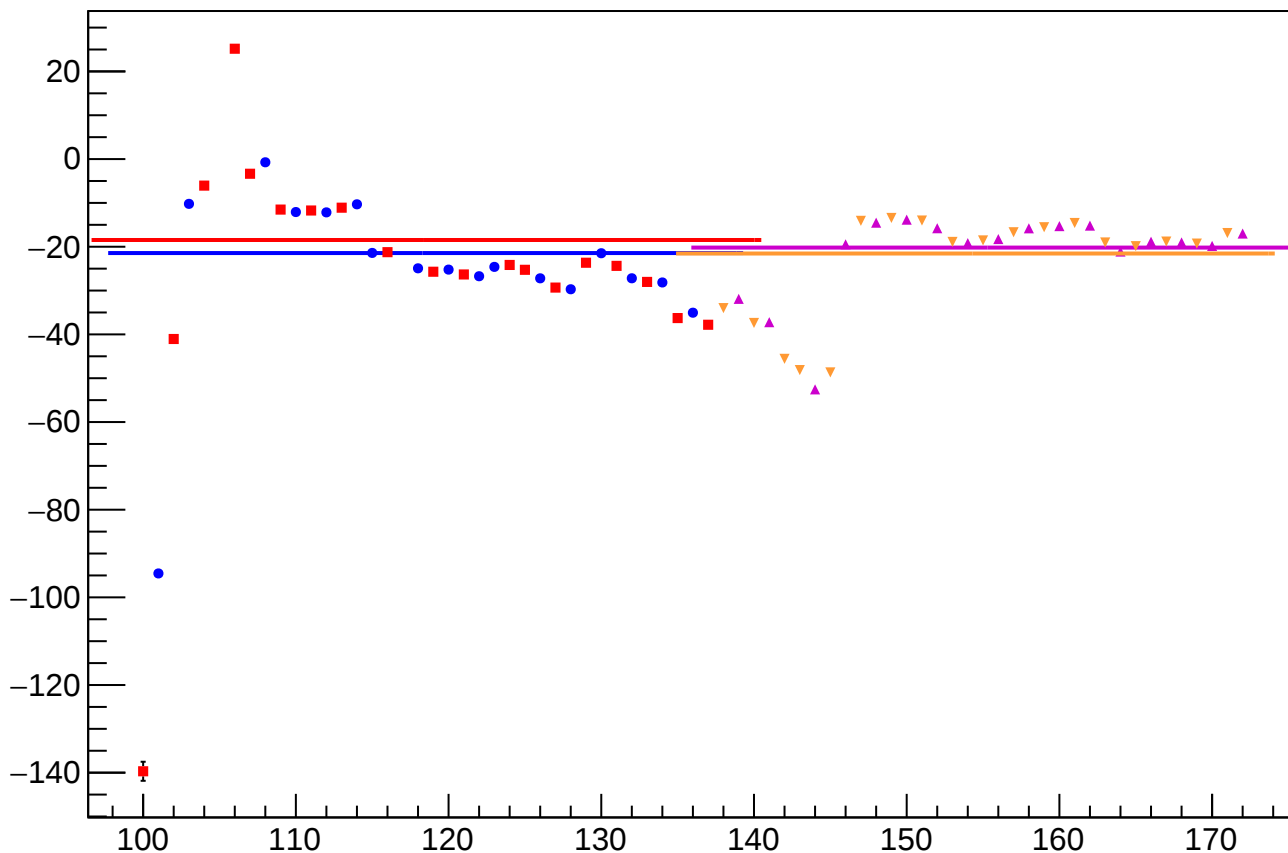
Right: -34.404 ± 0.719 χ^2/NDF : 582.0/35

In: -20.390 ± 0.531 χ^2/NDF : 782.0/33

Out: -21.011 ± 0.517 χ^2/NDF : 764.9/36

All: -20.709 ± 0.370 χ^2/NDF : 1547.6/70

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Left: -20.869 ± 0.020 $\chi^2/\text{NDF}: 213833.3/34$

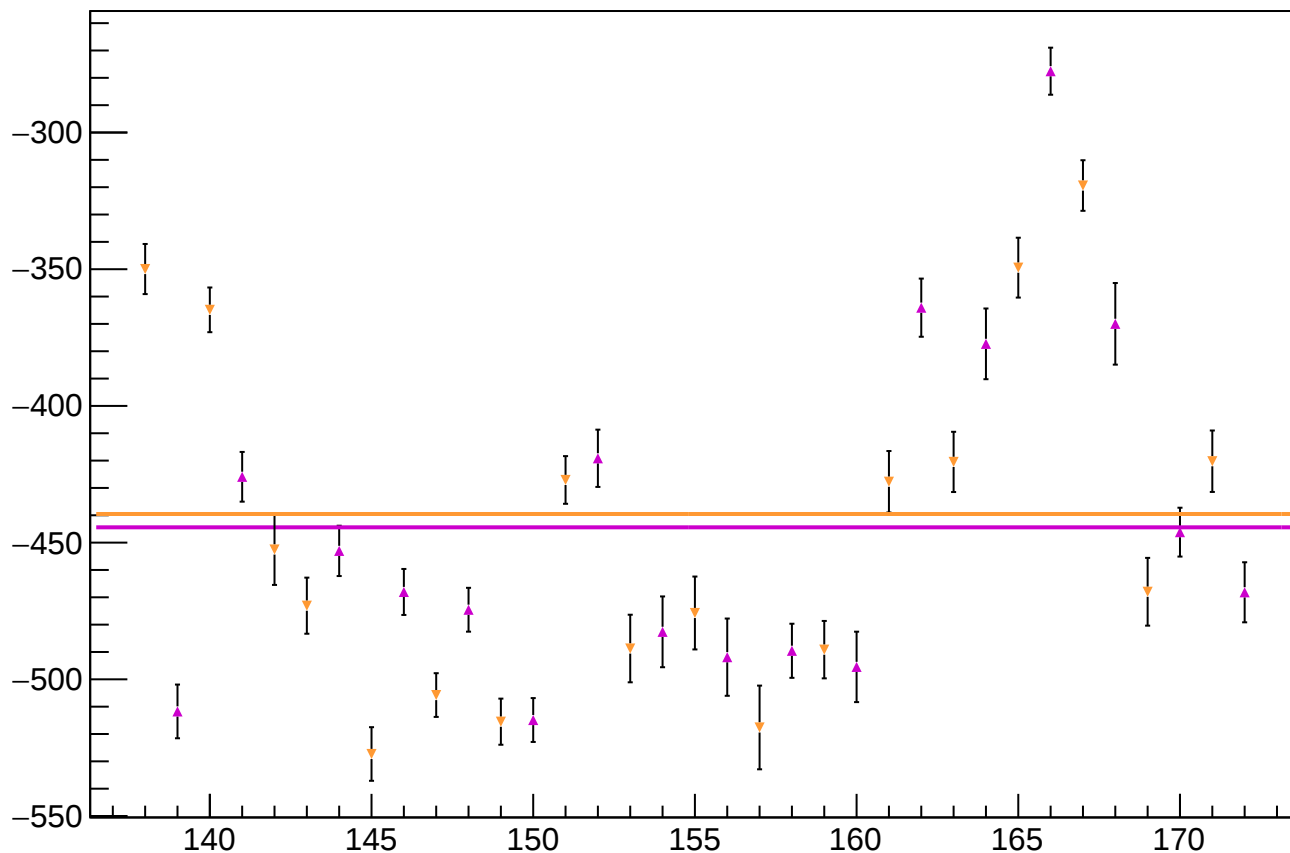
Right: -19.914 ± 0.041 $\chi^2/\text{NDF}: 130751.2/35$

In: -20.425 ± 0.025 $\chi^2/\text{NDF}: 133298.7/33$

Out: -20.949 ± 0.025 $\chi^2/\text{NDF}: 211508.9/36$

All: -20.688 ± 0.018 $\chi^2/\text{NDF}: 345022.0/70$

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -439.532+/-2.413 χ^2/NDF :742.9/17

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

Left In: -444.406+/-2.429 χ^2/NDF :702.9/16

Left: -441.953+/-1.712 χ^2/NDF : 1447.8/34

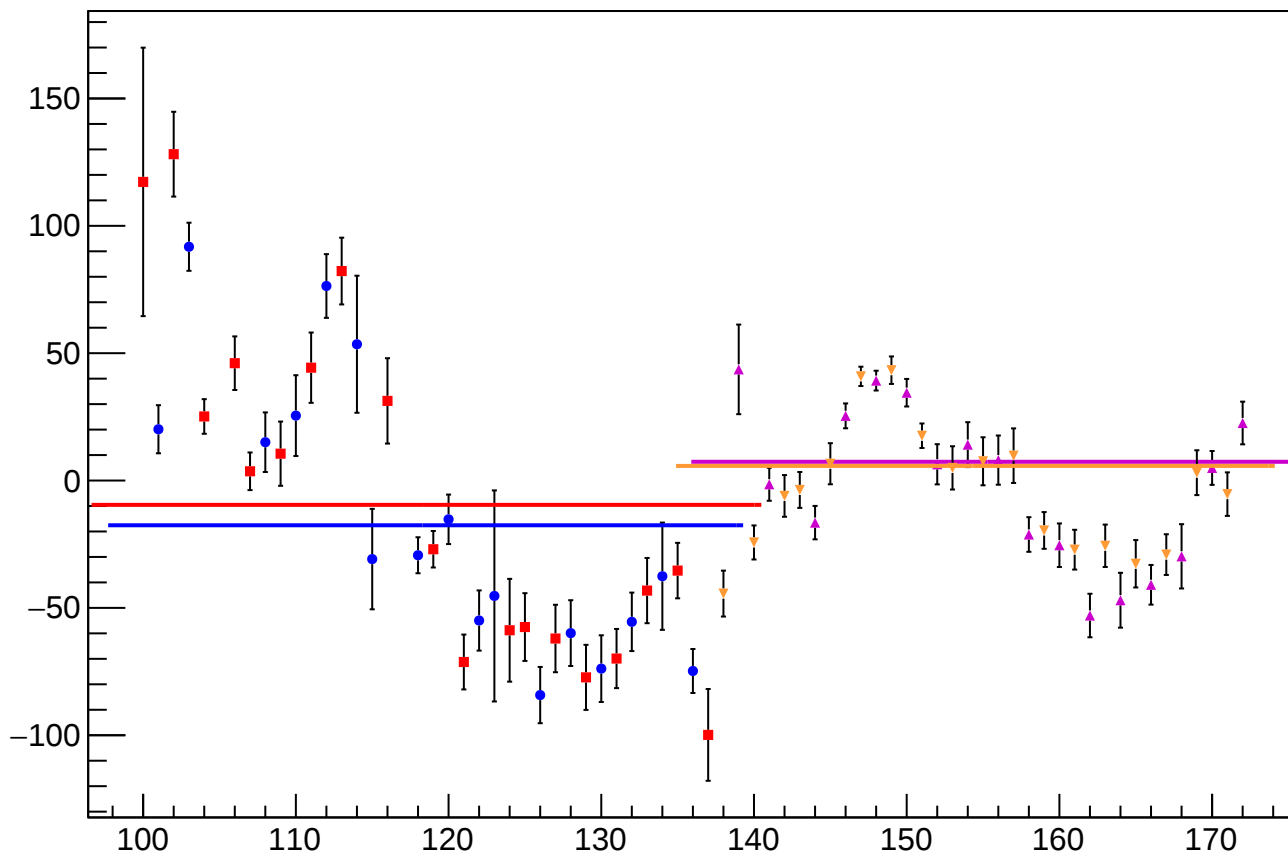
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -444.406+/-2.429 χ^2/NDF :702.9/16

Out: -439.532+/-2.413 χ^2/NDF :742.9/17

All: -441.953+/-1.712 χ^2/NDF : 1447.8/34

reg_asym_atr2_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -17.564 ± 2.820 χ^2/NDF : 363.7/16

Left Out: 5.741 ± 1.644 χ^2/NDF : 278.0/17

Right Out: -9.547 ± 2.609 χ^2/NDF : 370.3/18

Left In: 7.359 ± 1.691 χ^2/NDF : 284.4/16

Left: 6.527 ± 1.179 χ^2/NDF : 562.8/34

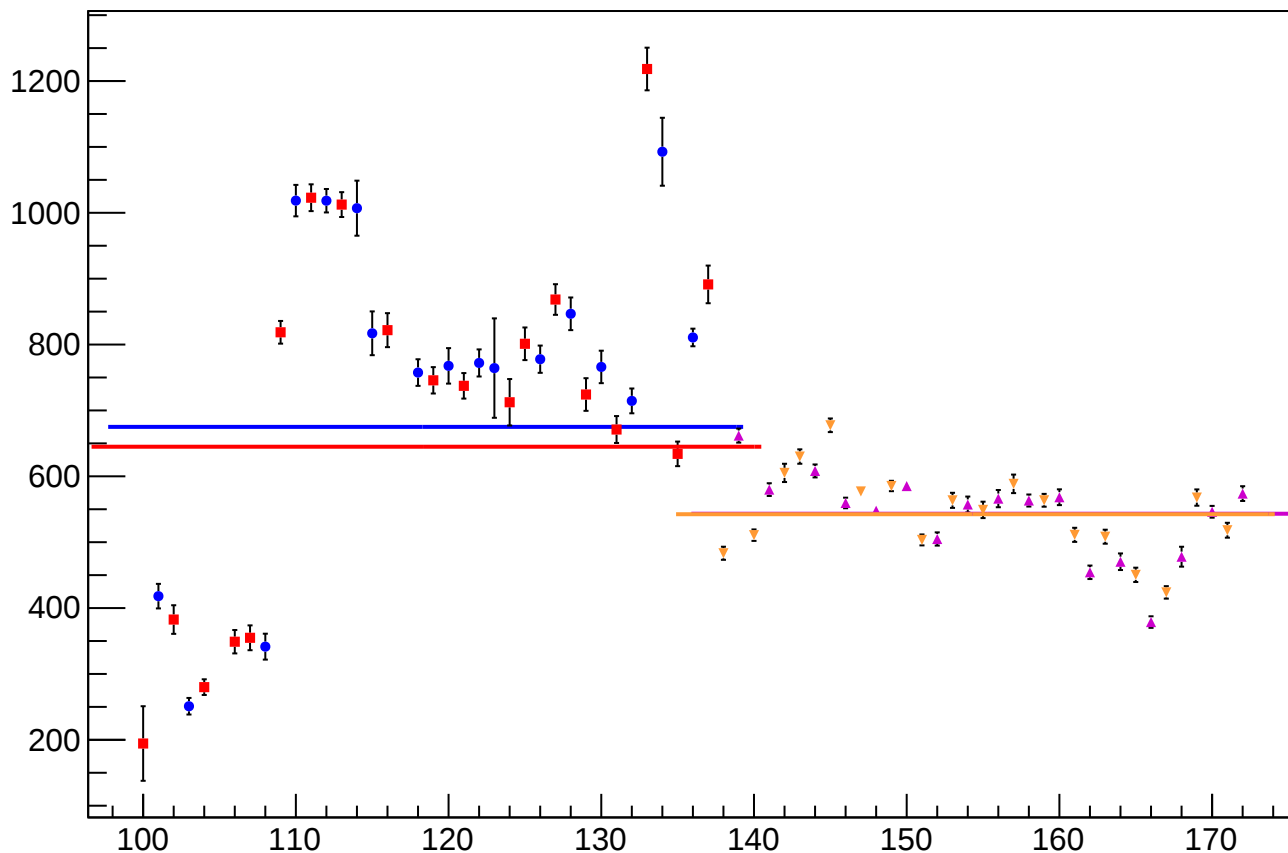
Right: -13.243 ± 1.915 χ^2/NDF : 738.4/35

In: 0.769 ± 1.450 χ^2/NDF : 705.5/33

Out: 1.396 ± 1.391 χ^2/NDF : 672.8/36

All: 1.095 ± 1.004 χ^2/NDF : 1378.5/70

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 675.045 $\pm$ 5.067 χ^2 /NDF: 2584.3/16

Left Out: 542.457 $\pm$ 2.384 χ^2 /NDF: 651.9/17

Right Out: 644.915 $\pm$ 4.761 χ^2 /NDF: 3122.2/18

Left In: 543.200 $\pm$ 2.383 χ^2 /NDF: 733.1/16

Left: 542.829 $\pm$ 1.685 χ^2 /NDF: 1385.0/34

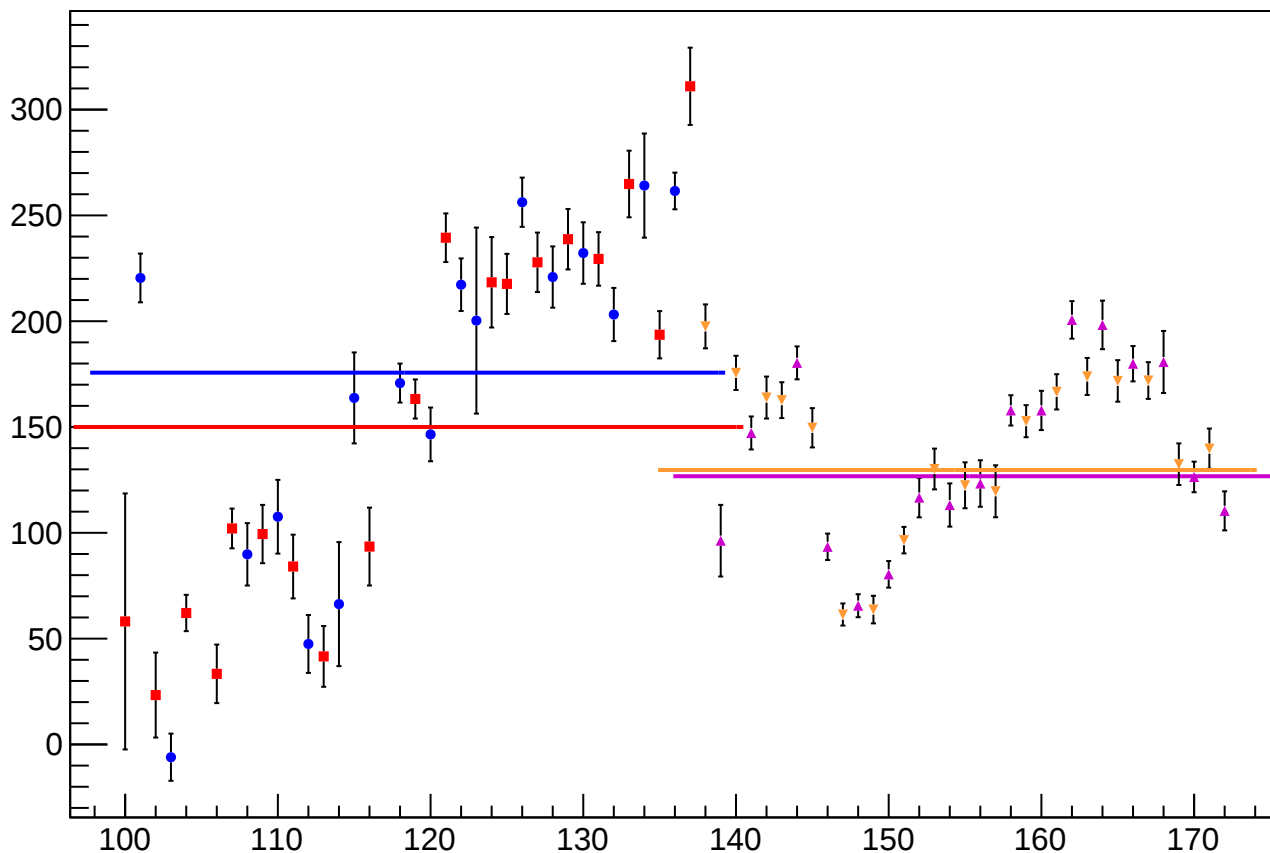
Right: 659.042 $\pm$ 3.470 χ^2 /NDF: 5725.3/35

In: 567.076 $\pm$ 2.156 χ^2 /NDF: 3871.8/33

Out: 562.998 $\pm$ 2.132 χ^2 /NDF: 4144.3/36

All: 565.014 $\pm$ 1.516 χ^2 /NDF: 8017.8/70

reg_asym_atr2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 175.686 $\pm$ 3.239 χ^2 /NDF: 637.9/16

Left Out: 129.698 $\pm$ 1.955 χ^2 /NDF:506.6/17

Right Out: 150.017 $\pm$ 3.042 χ^2 /NDF: 693.8/18

Left In: 126.739 $\pm$ 1.992 χ^2 /NDF:466.0/16

Left: 128.247 $\pm$ 1.395 χ^2 /NDF: 973.7/34

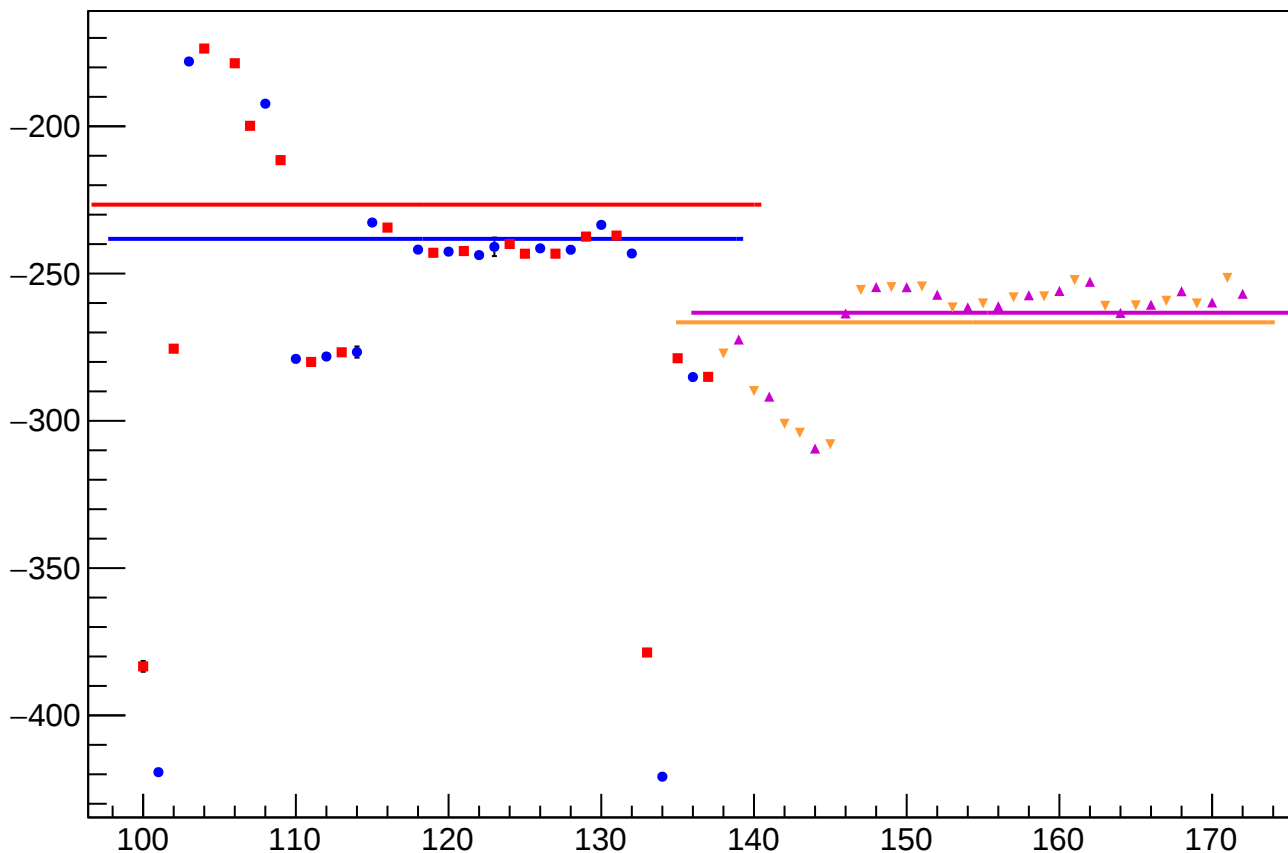
Right: 162.048 $\pm$ 2.217 χ^2 /NDF: 1365.0/35

In: 140.175 $\pm$ 1.697 χ^2 /NDF:1269.6/33

Out: 135.636 $\pm$ 1.644 χ^2 /NDF:1231.9/36

All: 137.834 $\pm$ 1.181 χ^2 /NDF: 2505.2/70

reg_asym_atr2_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -238.217+/-0.160 χ^2 /NDF: 167120.0/16

Left Out: -266.551+/-0.095 χ^2 /NDF:34123.0/17

Right Out: -226.597+/-0.151 χ^2 /NDF: 102562.3/18

Left In: -263.299+/-0.094 χ^2 /NDF:20988.8/16

Left: -264.911+/-0.067 χ^2 /NDF: 55700.7/34

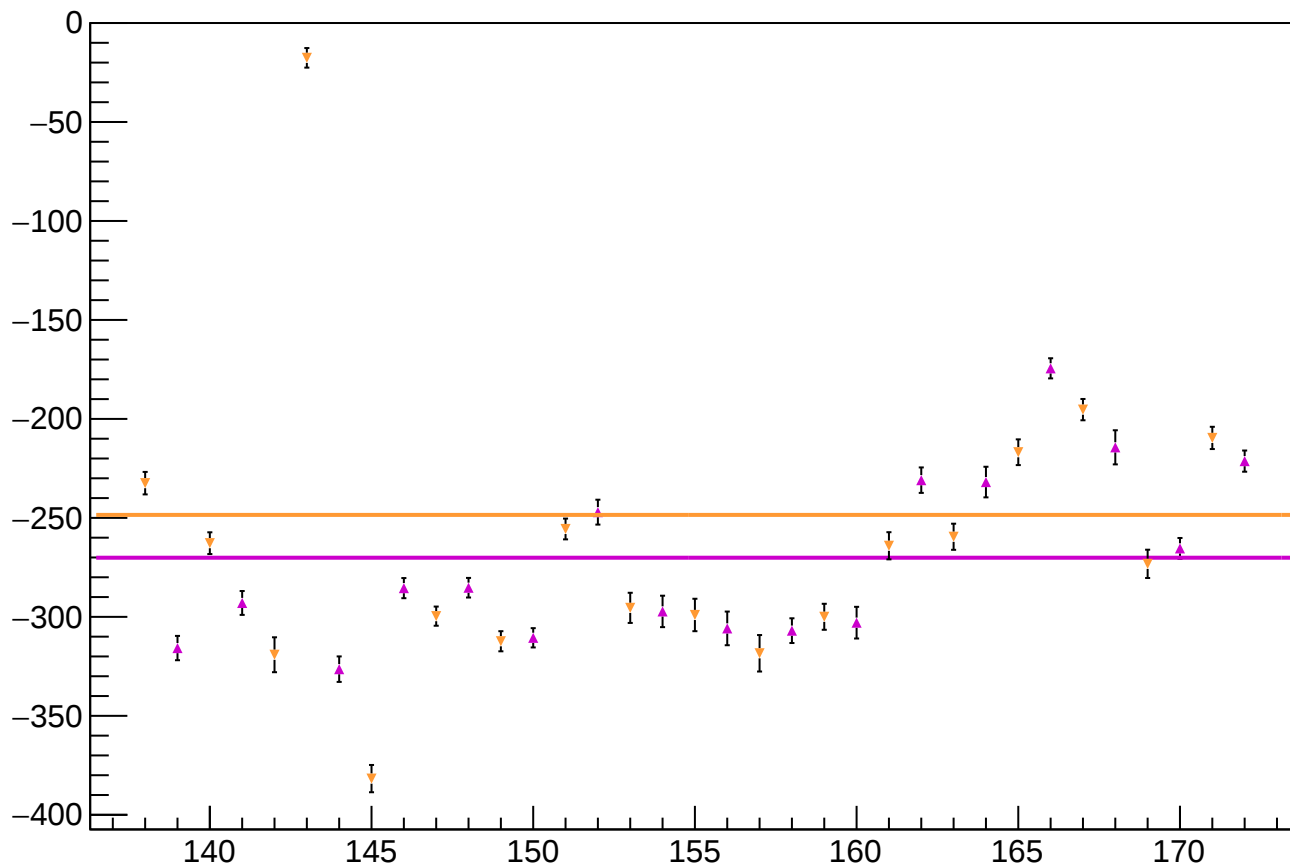
Right: -232.063+/-0.110 χ^2 /NDF: 272459.7/35

In: -256.854+/-0.081 χ^2 /NDF:206264.6/33

Out: -255.217+/-0.081 χ^2 /NDF:186685.3/36

All: -256.027+/-0.057 χ^2 /NDF: 393154.2/70

reg_asym_atl_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -248.490+/-1.447 χ^2/NDF :3287.3/17

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

Left In: -270.121+/-1.475 χ^2/NDF :868.7/16

Left: -259.105+/-1.033 χ^2/NDF : 4265.6/34

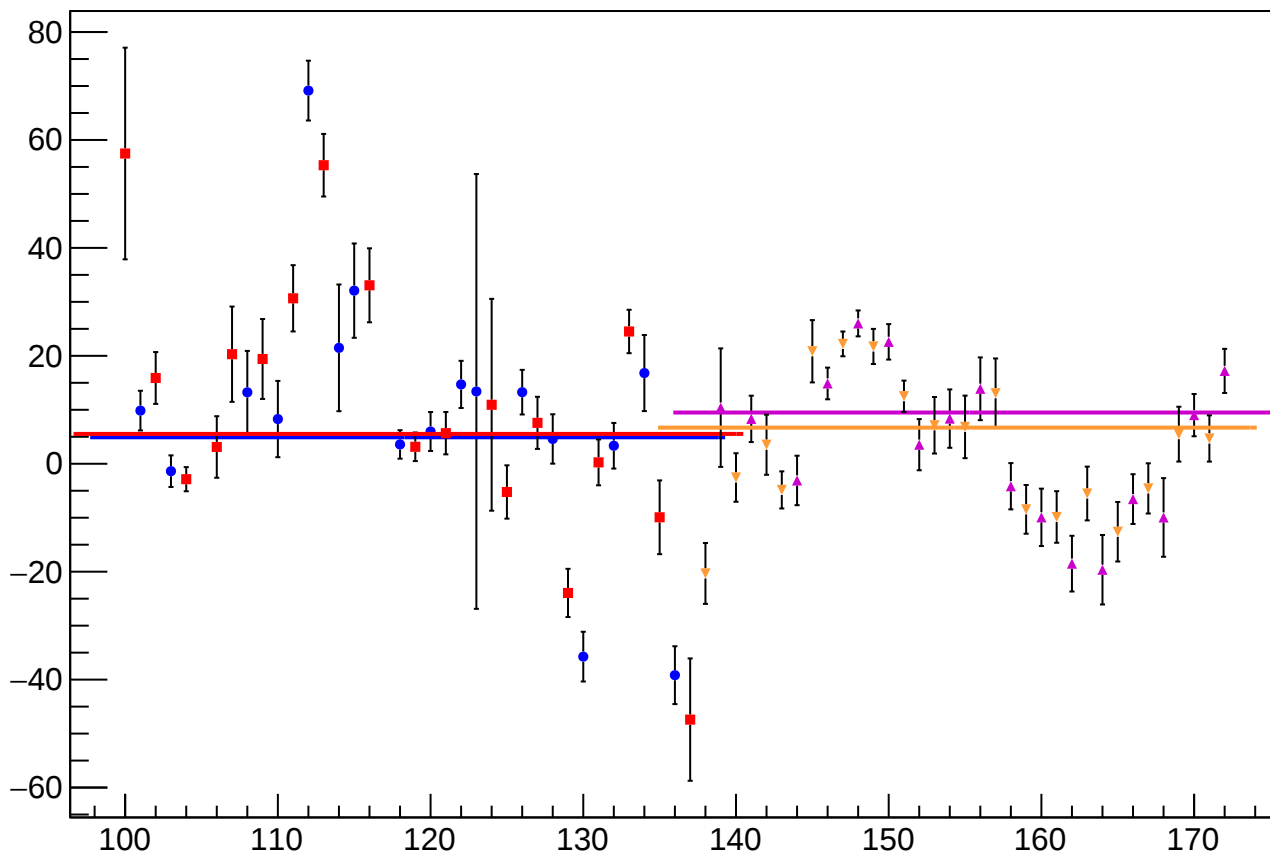
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -270.121+/-1.475 χ^2/NDF :868.7/16

Out: -248.490+/-1.447 χ^2/NDF :3287.3/17

All: -259.105+/-1.033 χ^2/NDF : 4265.6/34

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.905 $\pm$ 1.105 χ^2/NDF : 311.7/16

Left Out: 6.698 $\pm$ 0.987 χ^2/NDF : 164.5/17

Right Out: 5.530 $\pm$ 1.069 χ^2/NDF : 238.9/18

Left In: 9.495 $\pm$ 1.030 χ^2/NDF : 172.6/16

Left: 8.037 $\pm$ 0.713 χ^2/NDF : 340.9/34

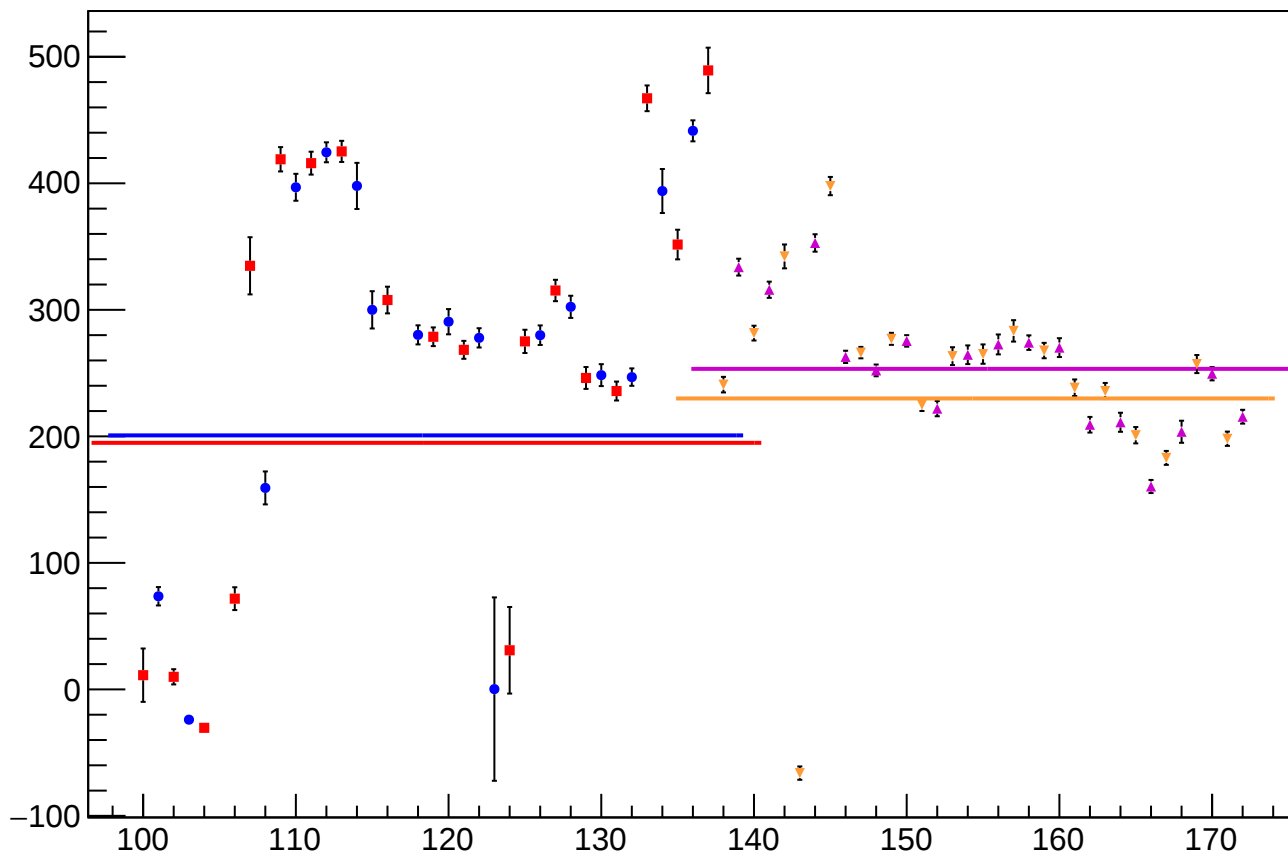
Right: 5.228 $\pm$ 0.768 χ^2/NDF : 550.7/35

In: 7.362 $\pm$ 0.754 χ^2/NDF : 493.5/33

Out: 6.160 $\pm$ 0.725 χ^2/NDF : 404.0/36

All: 6.738 $\pm$ 0.522 χ^2/NDF : 898.8/70

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 200.773 $\pm$ 1.983 χ^2 /NDF: 6733.0/16

Left Out: 229.950 $\pm$ 1.430 χ^2 /NDF: 4334.8/17

Right Out: 194.892 $\pm$ 1.924 χ^2 /NDF: 8247.1/18

Left In: 253.346 $\pm$ 1.445 χ^2 /NDF: 1015.3/16

Left: 241.524 $\pm$ 1.017 χ^2 /NDF: 5482.6/34

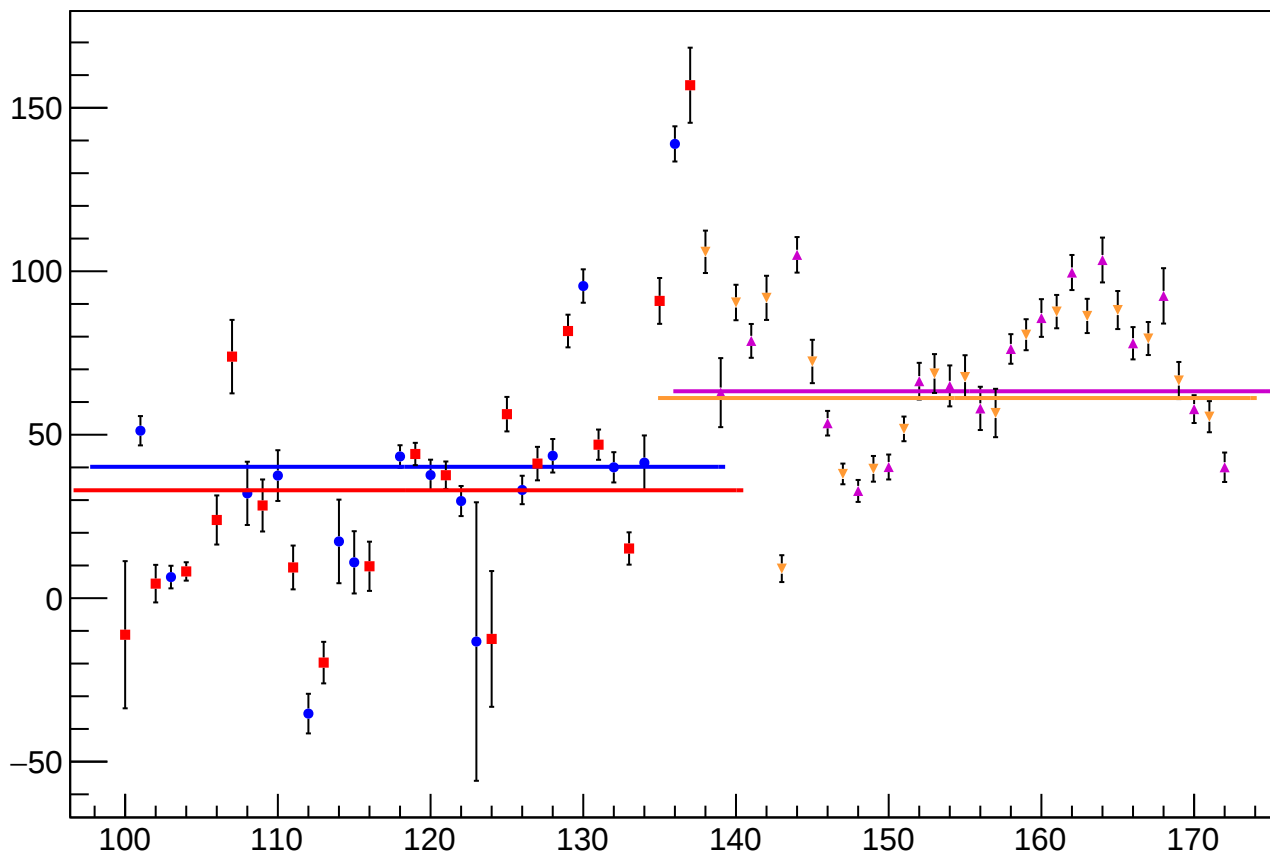
Right: 197.743 $\pm$ 1.381 χ^2 /NDF: 14984.6/35

In: 235.107 $\pm$ 1.168 χ^2 /NDF: 8207.2/33

Out: 217.470 $\pm$ 1.148 χ^2 /NDF: 12795.8/36

All: 226.134 $\pm$ 0.819 χ^2 /NDF: 21119.1/70

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 40.185 $\pm$ 1.283 χ^2 /NDF: 734.6/16

Left Out: 61.224 $\pm$ 1.171 χ^2 /NDF:457.9/17

Right Out: 33.006 $\pm$ 1.250 χ^2 /NDF: 552.7/18

Left In: 63.294 $\pm$ 1.210 χ^2 /NDF:347.2/16

Left: 62.225 $\pm$ 0.842 χ^2 /NDF: 806.5/34

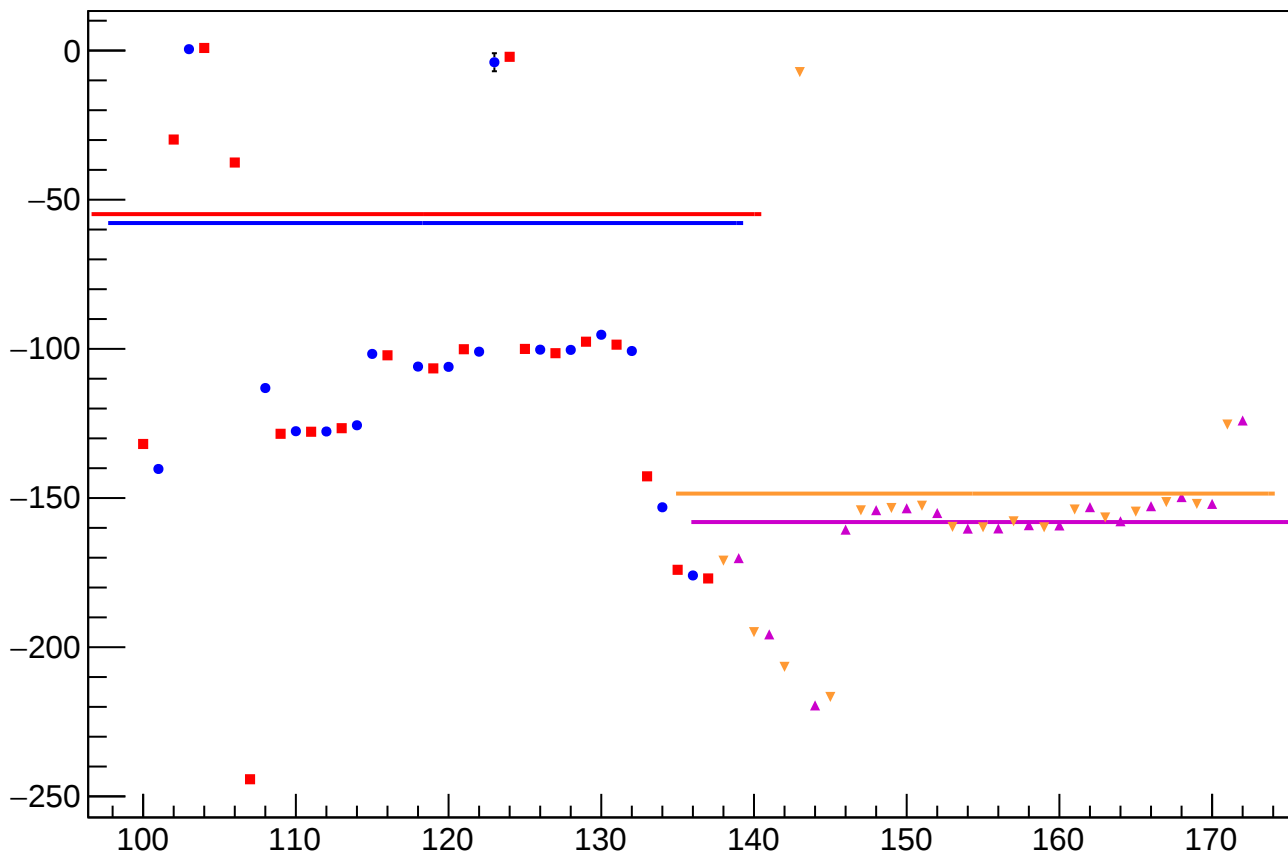
Right: 36.503 $\pm$ 0.896 χ^2 /NDF: 1303.3/35

In: 52.414 $\pm$ 0.880 χ^2 /NDF:1253.4/33

Out: 48.034 $\pm$ 0.855 χ^2 /NDF:1281.8/36

All: 50.159 $\pm$ 0.613 χ^2 /NDF: 2547.9/70

reg_asym_atl_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -57.821+/-0.062 χ^2/NDF : 1101296.2/16

Left Out: -148.508+/-0.057 χ^2/NDF : 594399.1/17

Right Out: -54.833+/-0.060 χ^2/NDF : 1000741.7/18

Left In: -158.049+/-0.057 χ^2/NDF : 100043.0/16

Left: -153.267+/-0.040 χ^2/NDF : 708473.5/34

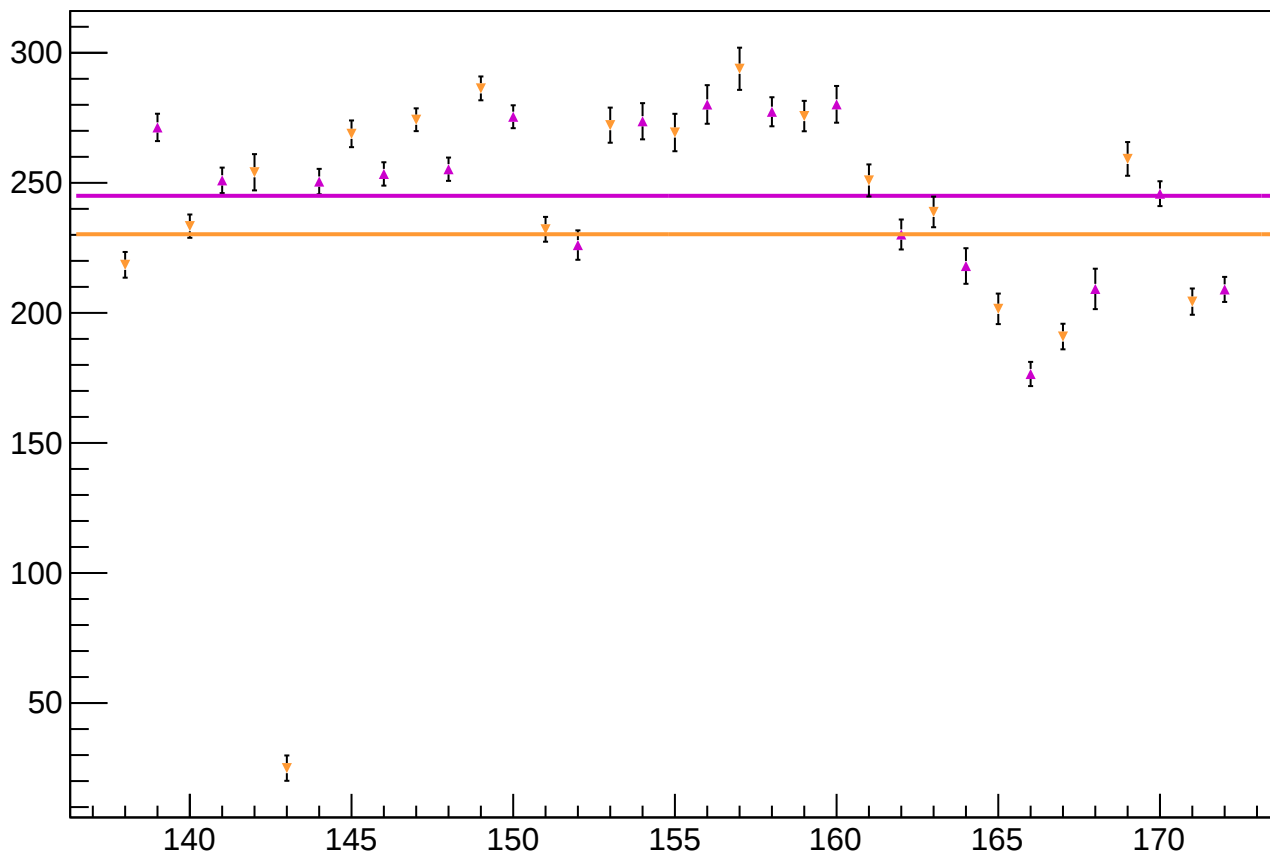
Right: -56.289+/-0.043 χ^2/NDF : 2103236.7/35

In: -111.949+/-0.042 χ^2/NDF : 2622349.4/33

Out: -104.348+/-0.041 χ^2/NDF : 2873631.2/36

All: -108.098+/-0.029 χ^2/NDF : 5512650.0/70

reg_asym_atl_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 230.244+/-1.281 χ^2/NDF :2439.4/17

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

Left In: 245.018+/-1.297 χ^2/NDF :509.3/16

Left: 237.537+/-0.911 χ^2/NDF : 3014.3/34

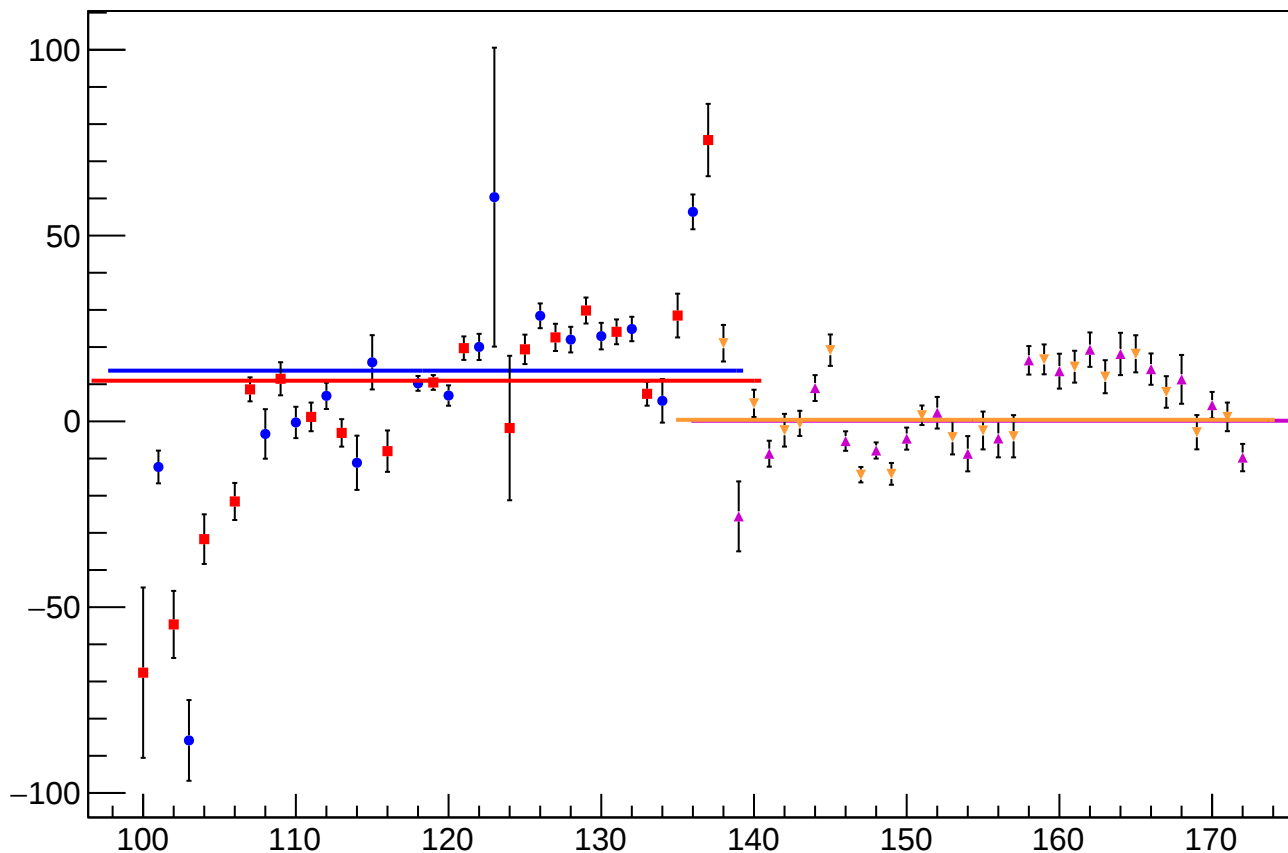
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 245.018+/-1.297 χ^2/NDF :509.3/16

Out: 230.244+/-1.281 χ^2/NDF :2439.4/17

All: 237.537+/-0.911 χ^2/NDF : 3014.3/34

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 13.652 ± 0.936 χ^2/NDF : 294.0/16

Left Out: 0.417 ± 0.879 χ^2/NDF : 167.0/17

Right Out: 10.944 ± 0.913 χ^2/NDF : 302.5/18

Left In: 0.175 ± 0.910 χ^2/NDF : 121.0/16

Left: 0.300 ± 0.632 χ^2/NDF : 288.0/34

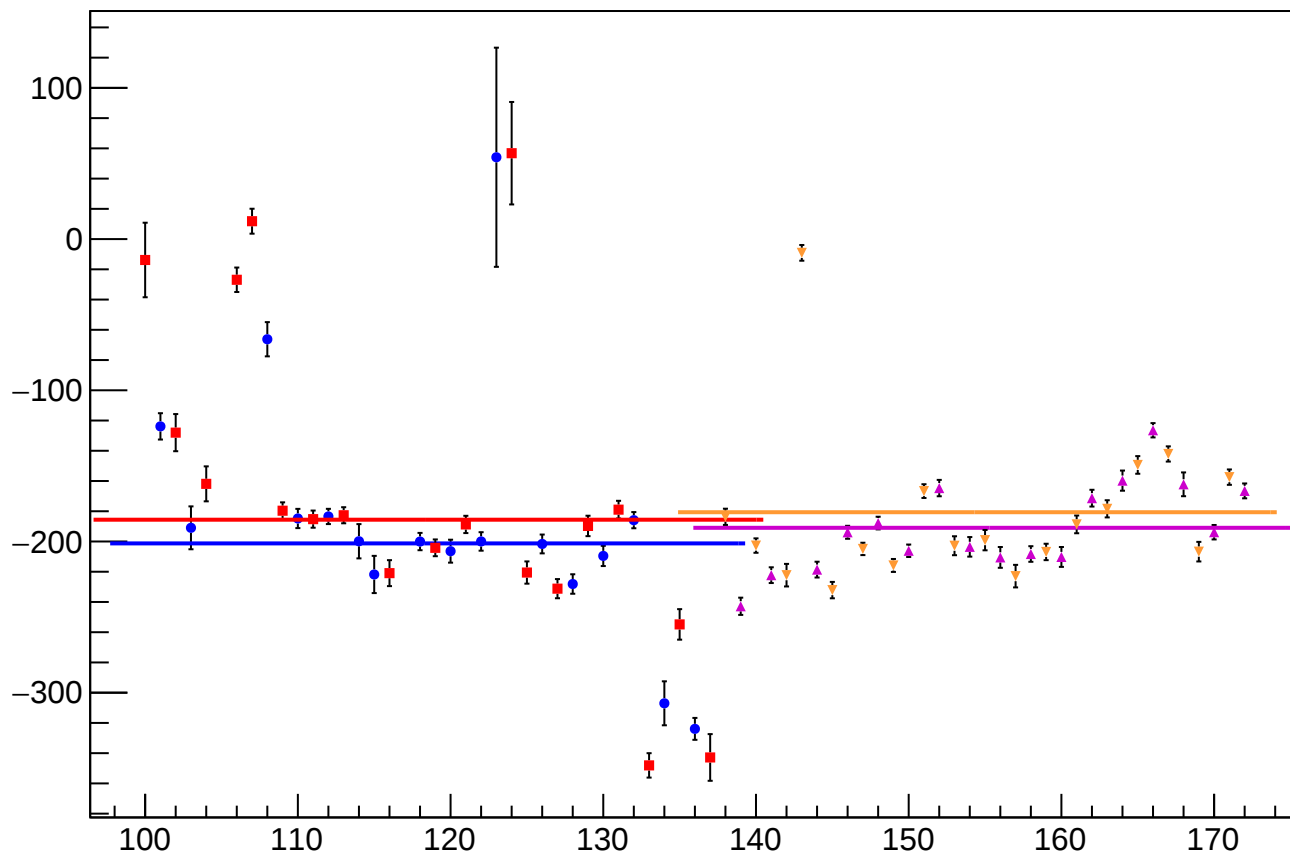
Right: 12.264 ± 0.654 χ^2/NDF : 600.9/35

In: 6.721 ± 0.652 χ^2/NDF : 521.5/33

Out: 5.478 ± 0.633 χ^2/NDF : 538.5/36

All: 6.081 ± 0.454 χ^2/NDF : 1062.0/70

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -201.266 ± 1.795 $\chi^2/\text{NDF}: 623.4/16$

Left Out: -180.642 ± 1.268 $\chi^2/\text{NDF}: 1545.9/17$

Right Out: -185.593 ± 1.699 $\chi^2/\text{NDF}: 1746.0/18$

Left In: -190.953 ± 1.275 $\chi^2/\text{NDF}: 475.3/16$

Left: -185.770 ± 0.899 $\chi^2/\text{NDF}: 2054.1/34$

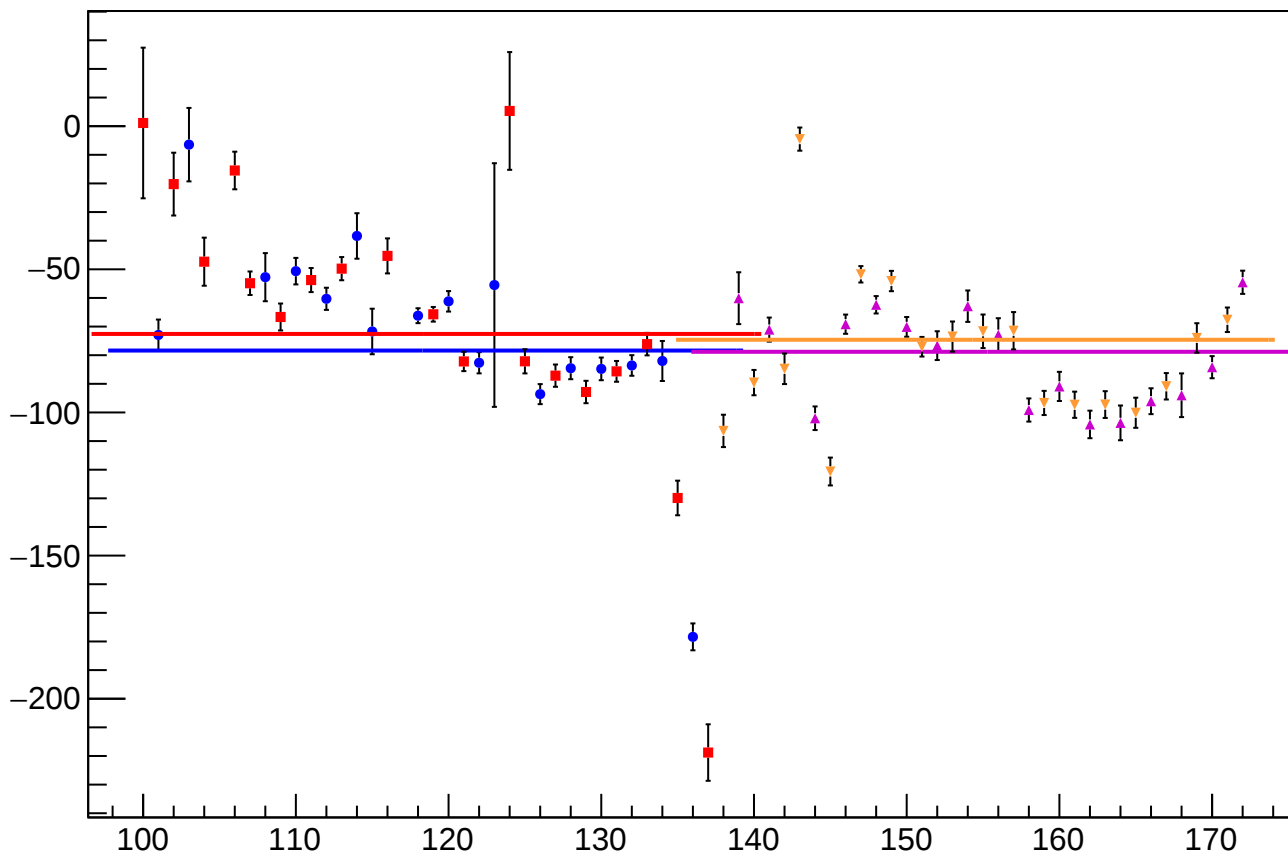
Right: -192.999 ± 1.234 $\chi^2/\text{NDF}: 2409.6/35$

In: -194.411 ± 1.040 $\chi^2/\text{NDF}: 1120.6/33$

Out: -182.414 ± 1.017 $\chi^2/\text{NDF}: 3297.4/36$

All: -188.277 ± 0.727 $\chi^2/\text{NDF}: 4486.1/70$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -78.376 ± 1.081 χ^2/NDF : 651.4/16

Left Out: -74.612 ± 1.042 χ^2/NDF : 648.7/17

Right Out: -72.577 ± 1.052 χ^2/NDF : 605.8/18

Left In: -78.812 ± 1.069 χ^2/NDF : 224.7/16

Left: -76.659 ± 0.746 χ^2/NDF : 881.3/34

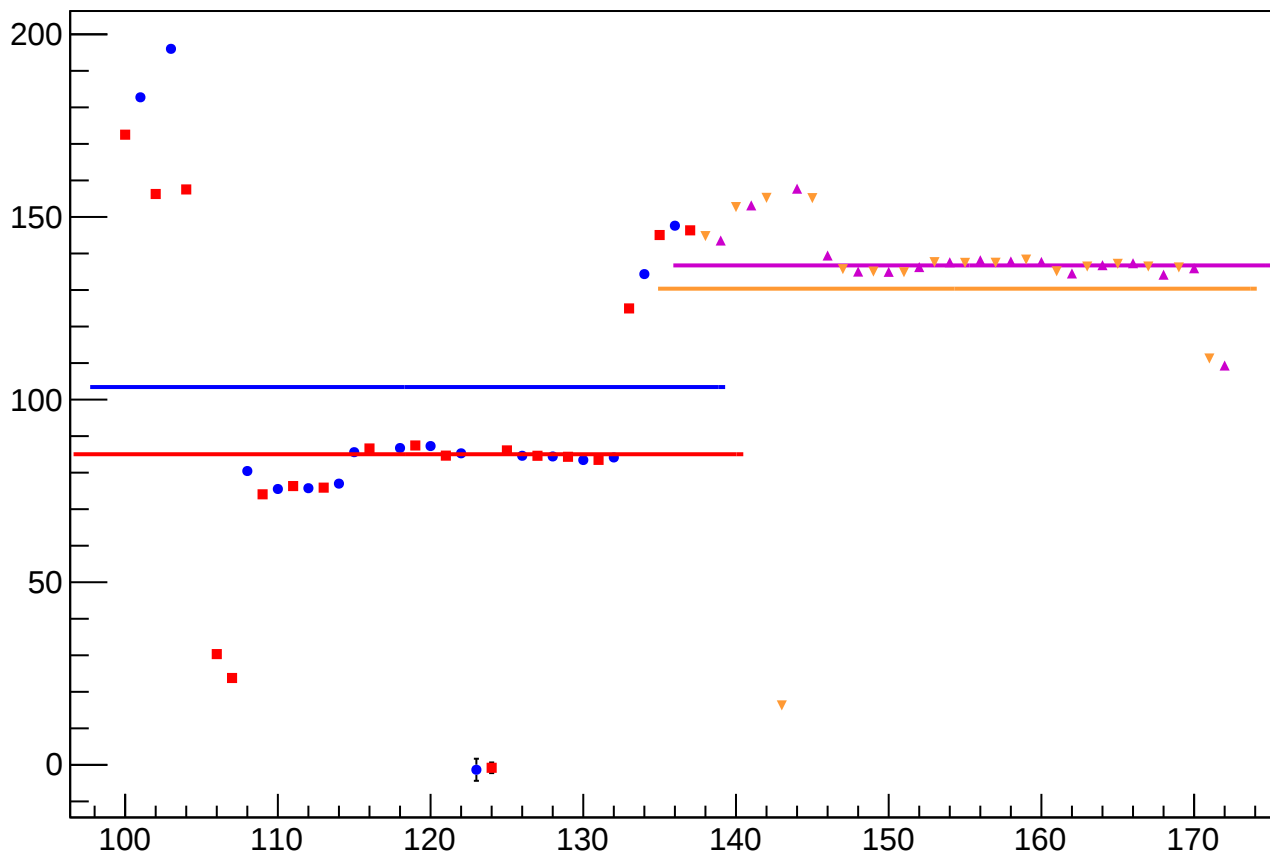
Right: -75.395 ± 0.754 χ^2/NDF : 1272.0/35

In: -78.597 ± 0.760 χ^2/NDF : 876.1/33

Out: -73.604 ± 0.740 χ^2/NDF : 1256.4/36

All: -76.034 ± 0.530 χ^2/NDF : 2154.7/70

reg_asym_atl_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 103.436 $\pm$ 0.071 χ^2 /NDF: 272785.6/16

Left Out: 130.365 $\pm$ 0.050 χ^2 /NDF: 358608.3/17

Right Out: 85.043 $\pm$ 0.064 χ^2 /NDF: 422343.0/18

Left In: 136.734 $\pm$ 0.050 χ^2 /NDF: 41085.4/16

Left: 133.555 $\pm$ 0.036 χ^2 /NDF: 407686.8/34

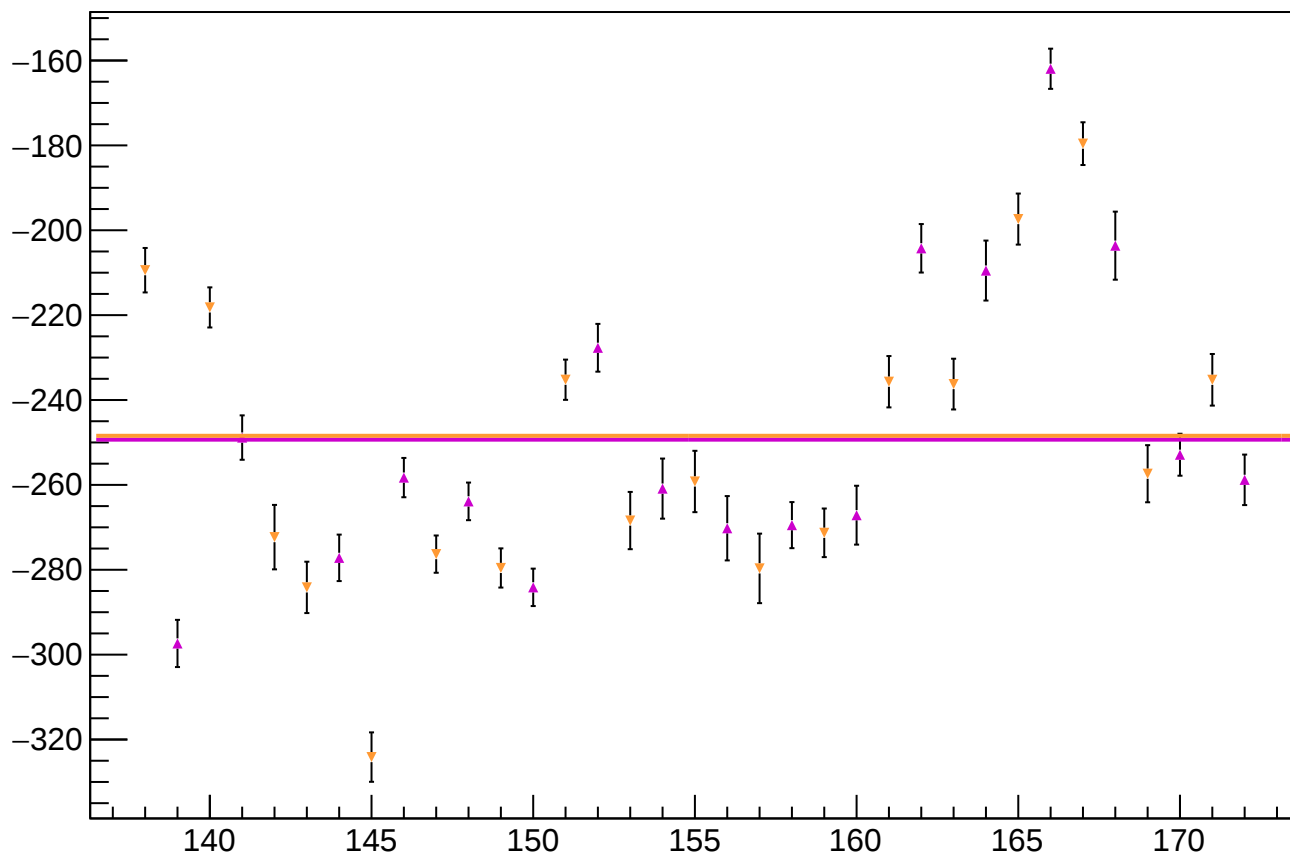
Right: 93.267 $\pm$ 0.047 χ^2 /NDF: 732362.9/35

In: 125.572 $\pm$ 0.041 χ^2 /NDF: 460589.7/33

Out: 112.921 $\pm$ 0.040 χ^2 /NDF: 1091939.7/36

All: 119.012 $\pm$ 0.028 χ^2 /NDF: 1601810.1/70

reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -248.429+/-1.340 χ^2/NDF : 719.2/17

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

Left In: -249.339+/-1.343 χ^2/NDF : 692.9/16

Left: -248.883+/-0.949 χ^2/NDF : 1412.4/34

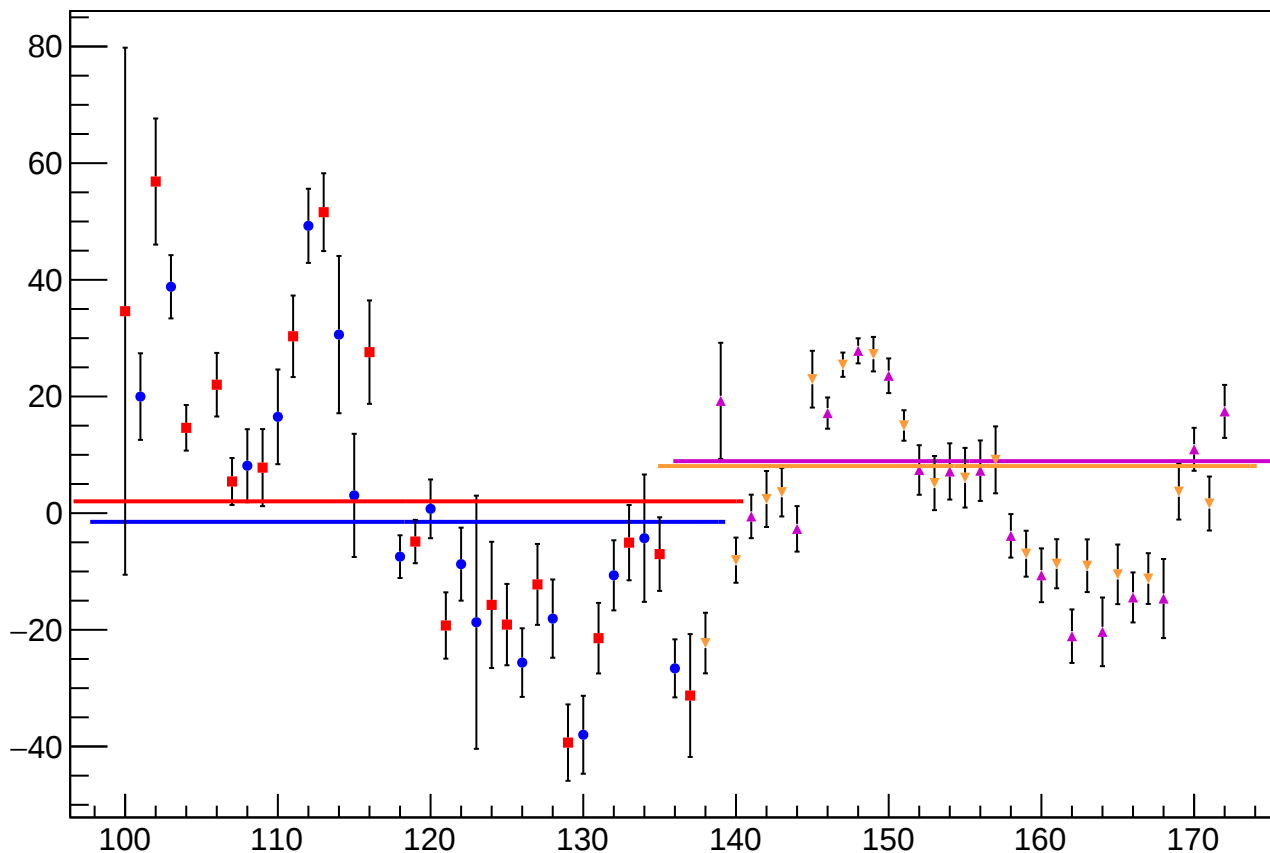
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -249.339+/-1.343 χ^2/NDF : 692.9/16

Out: -248.429+/-1.340 χ^2/NDF : 719.2/17

All: -248.883+/-0.949 χ^2/NDF : 1412.4/34

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.490 ± 1.536 χ^2/NDF : 226.0/16

Left Out: 8.071 ± 0.911 χ^2/NDF : 263.2/17

Right Out: 2.028 ± 1.400 χ^2/NDF : 233.3/18

Left In: 8.918 ± 0.934 χ^2/NDF : 270.7/16

Left: 8.483 ± 0.652 χ^2/NDF : 534.4/34

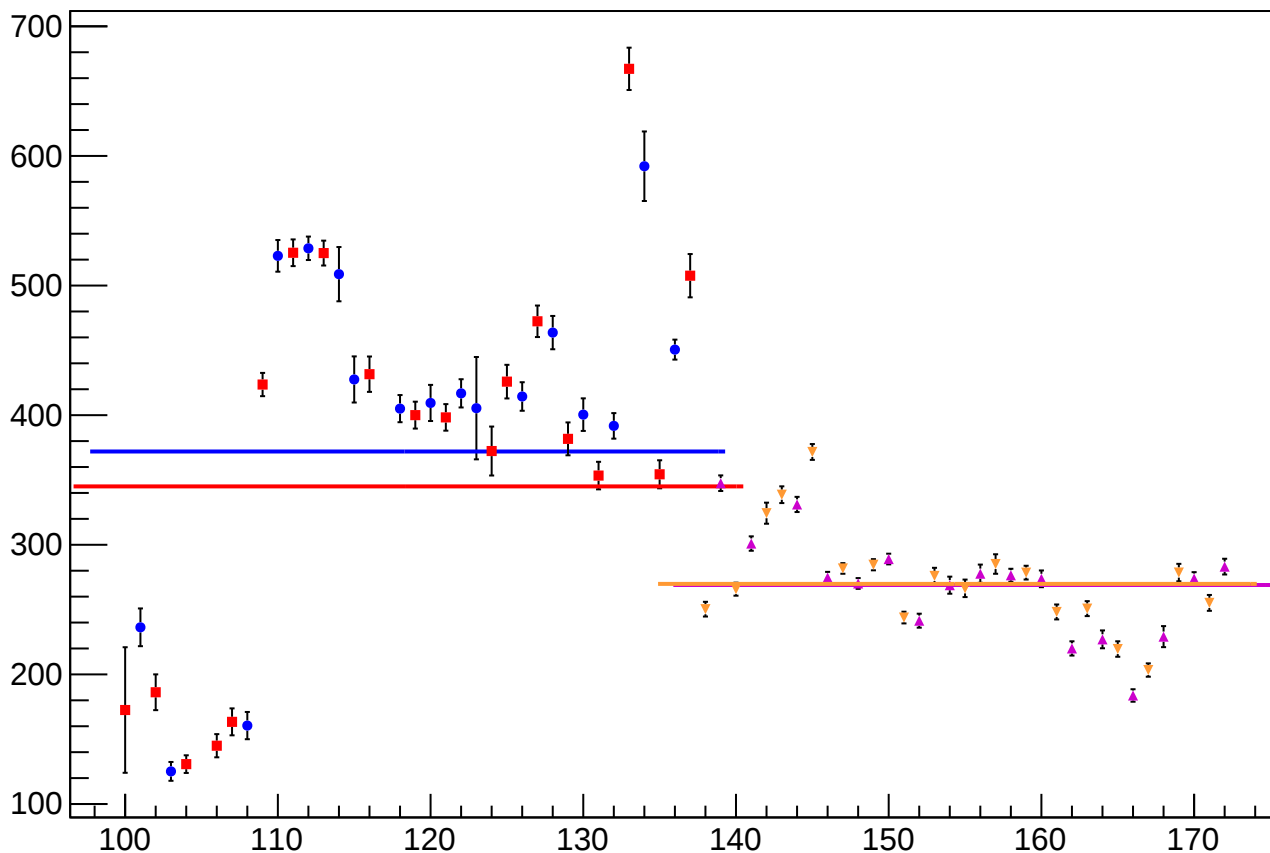
Right: 0.432 ± 1.035 χ^2/NDF : 462.1/35

In: 6.108 ± 0.798 χ^2/NDF : 530.2/33

Out: 6.273 ± 0.763 χ^2/NDF : 509.6/36

All: 6.194 ± 0.552 χ^2/NDF : 1039.8/70

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 371.975 $\pm$ 2.778 χ^2 /NDF: 2432.6/16

Left Out: 269.826 $\pm$ 1.320 χ^2 /NDF: 779.1/17

Right Out: 345.043 $\pm$ 2.562 χ^2 /NDF: 3415.2/18

Left In: 268.974 $\pm$ 1.315 χ^2 /NDF: 830.4/16

Left: 269.398 $\pm$ 0.932 χ^2 /NDF: 1609.8/34

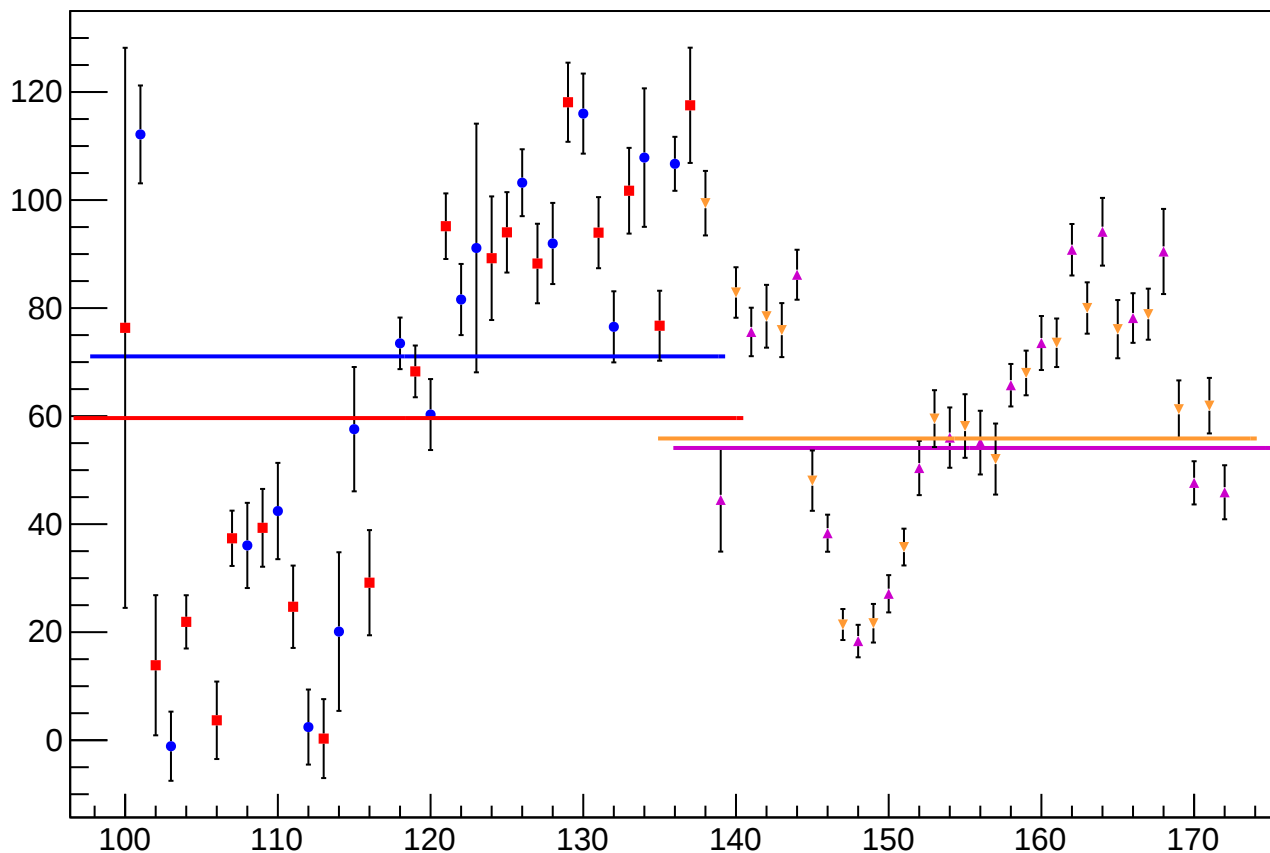
Right: 357.423 $\pm$ 1.883 χ^2 /NDF: 5898.6/35

In: 287.822 $\pm$ 1.188 χ^2 /NDF: 4386.5/33

Out: 285.610 $\pm$ 1.174 χ^2 /NDF: 4875.3/36

All: 286.702 $\pm$ 0.835 χ^2 /NDF: 9263.5/70

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.056 $\pm$ 1.764 χ^2 /NDF: 426.2/16

Left Out: 55.860 $\pm$ 1.082 χ^2 /NDF:481.5/17

Right Out: 59.637 $\pm$ 1.631 χ^2 /NDF: 491.6/18

Left In: 54.101 $\pm$ 1.099 χ^2 /NDF:474.2/16

Left: 54.994 $\pm$ 0.771 χ^2 /NDF: 957.0/34

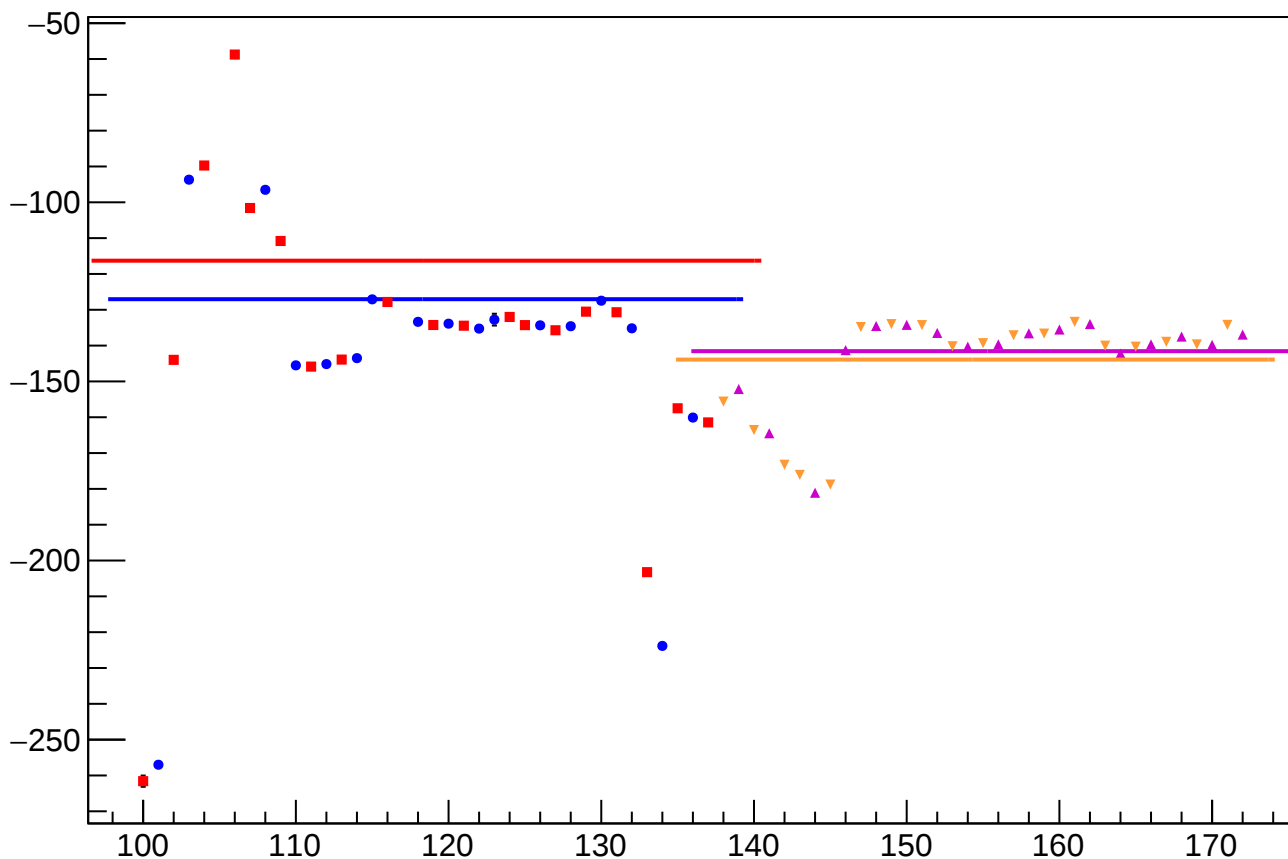
Right: 64.900 $\pm$ 1.198 χ^2 /NDF: 940.4/35

In: 58.844 $\pm$ 0.933 χ^2 /NDF:967.0/33

Out: 57.015 $\pm$ 0.902 χ^2 /NDF:976.8/36

All: 57.898 $\pm$ 0.648 χ^2 /NDF: 1945.8/70

reg_asym_atr_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -127.049+/-0.090 χ^2/NDF : 167014.4/16

Left Out: -143.907+/-0.053 χ^2/NDF : 71012.2/17

Right Out: -116.295+/-0.083 χ^2/NDF : 167109.1/18

Left In: -141.555+/-0.052 χ^2/NDF : 44062.0/16

Left: -142.717+/-0.037 χ^2/NDF : 116084.7/34

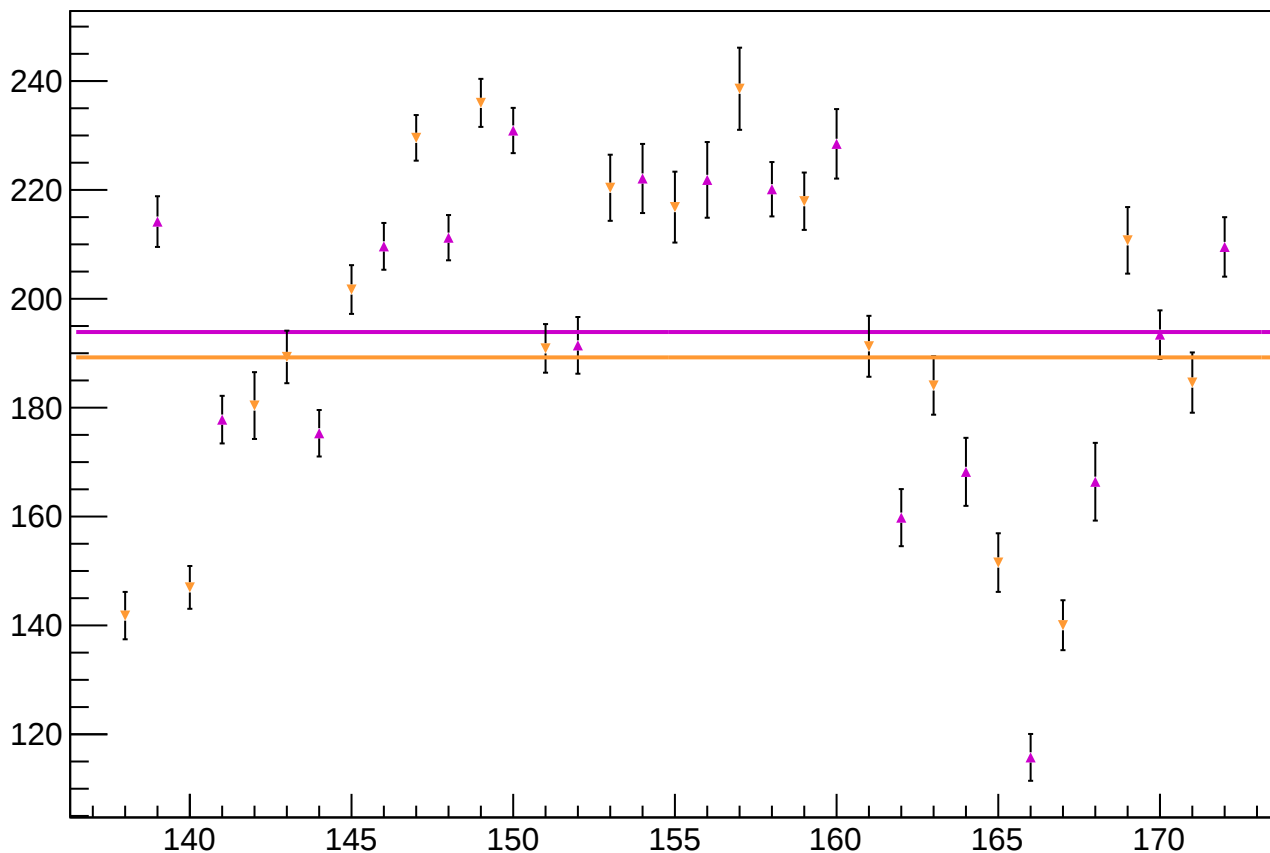
Right: -121.250+/-0.061 χ^2/NDF : 341860.6/35

In: -137.913+/-0.045 χ^2/NDF : 230629.4/33

Out: -135.989+/-0.044 χ^2/NDF : 317087.7/36

All: -136.939+/-0.032 χ^2/NDF : 548642.3/70

reg_asym_atr_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 189.237+/-1.189 χ^2/NDF : 744.2/17

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

Left In: 193.893+/-1.204 χ^2/NDF : 666.7/16

Left: 191.535+/-0.846 χ^2/NDF : 1418.5/34

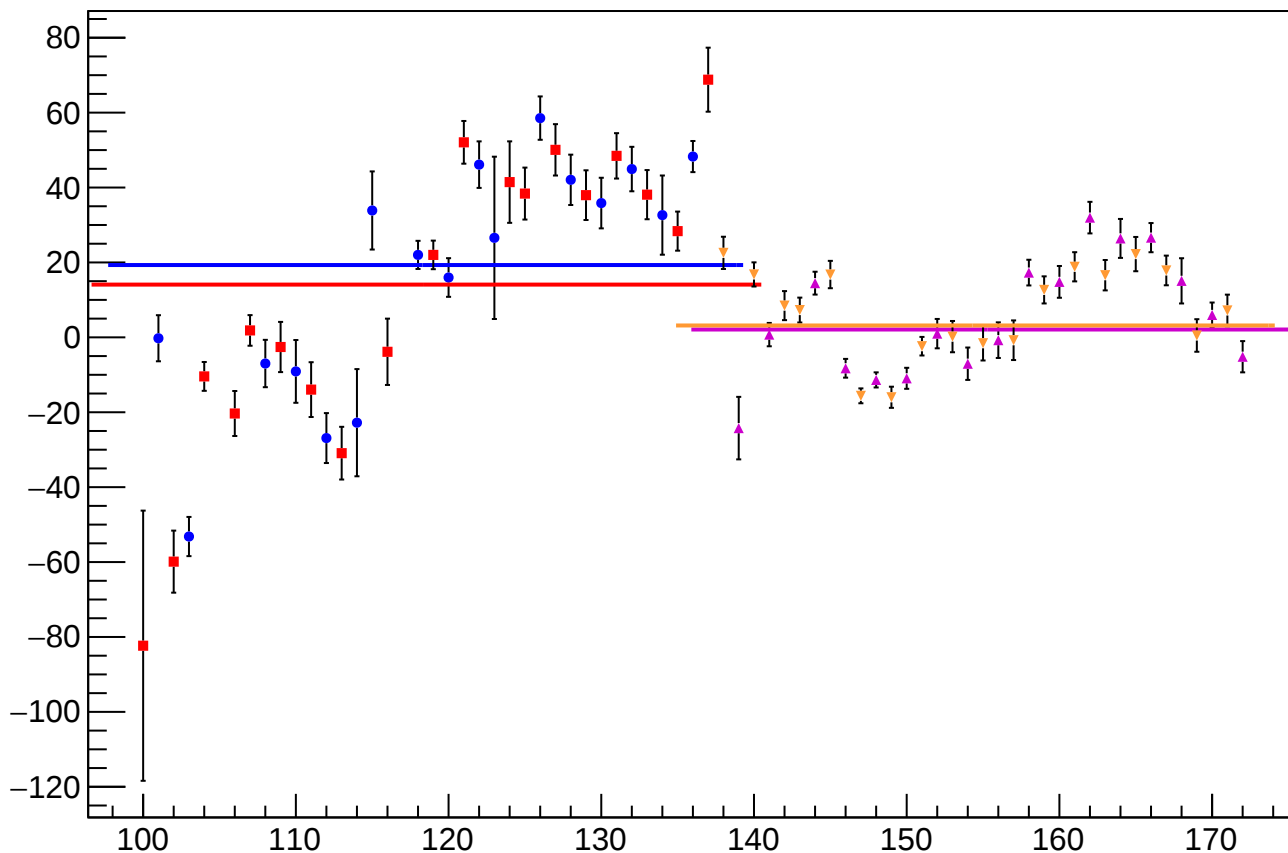
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 193.893+/-1.204 χ^2/NDF : 666.7/16

Out: 189.237+/-1.189 χ^2/NDF : 744.2/17

All: 191.535+/-0.846 χ^2/NDF : 1418.5/34

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 19.308 ± 1.500 χ^2/NDF : 441.3/16

Left Out: 3.170 ± 0.820 χ^2/NDF : 264.6/17

Right Out: 14.083 ± 1.390 χ^2/NDF : 436.9/18

Left In: 2.091 ± 0.846 χ^2/NDF : 264.1/16

Left: 2.648 ± 0.589 χ^2/NDF : 529.5/34

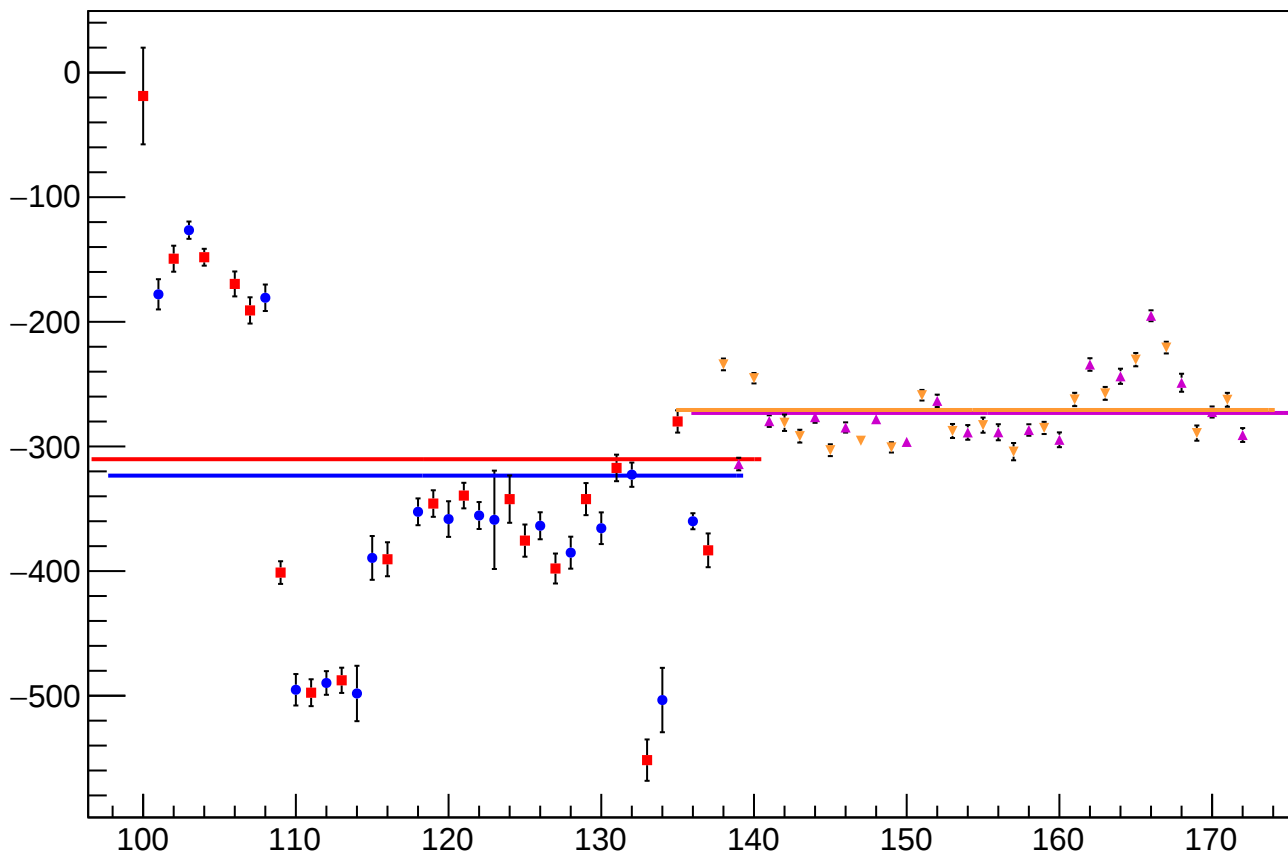
Right: 16.496 ± 1.020 χ^2/NDF : 884.7/35

In: 6.248 ± 0.737 χ^2/NDF : 805.3/33

Out: 5.987 ± 0.706 χ^2/NDF : 747.2/36

All: 6.112 ± 0.510 χ^2/NDF : 1552.6/70

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -323.402 $\pm$ 2.684 χ^2/NDF : 1849.6/16

Left Out: -270.743 $\pm$ 1.179 χ^2/NDF : 498.8/17

Right Out: -310.236 $\pm$ 2.523 χ^2/NDF : 2298.8/18

Left In: -273.116 $\pm$ 1.184 χ^2/NDF : 573.2/16

Left: -271.925 $\pm$ 0.836 χ^2/NDF : 1074.1/34

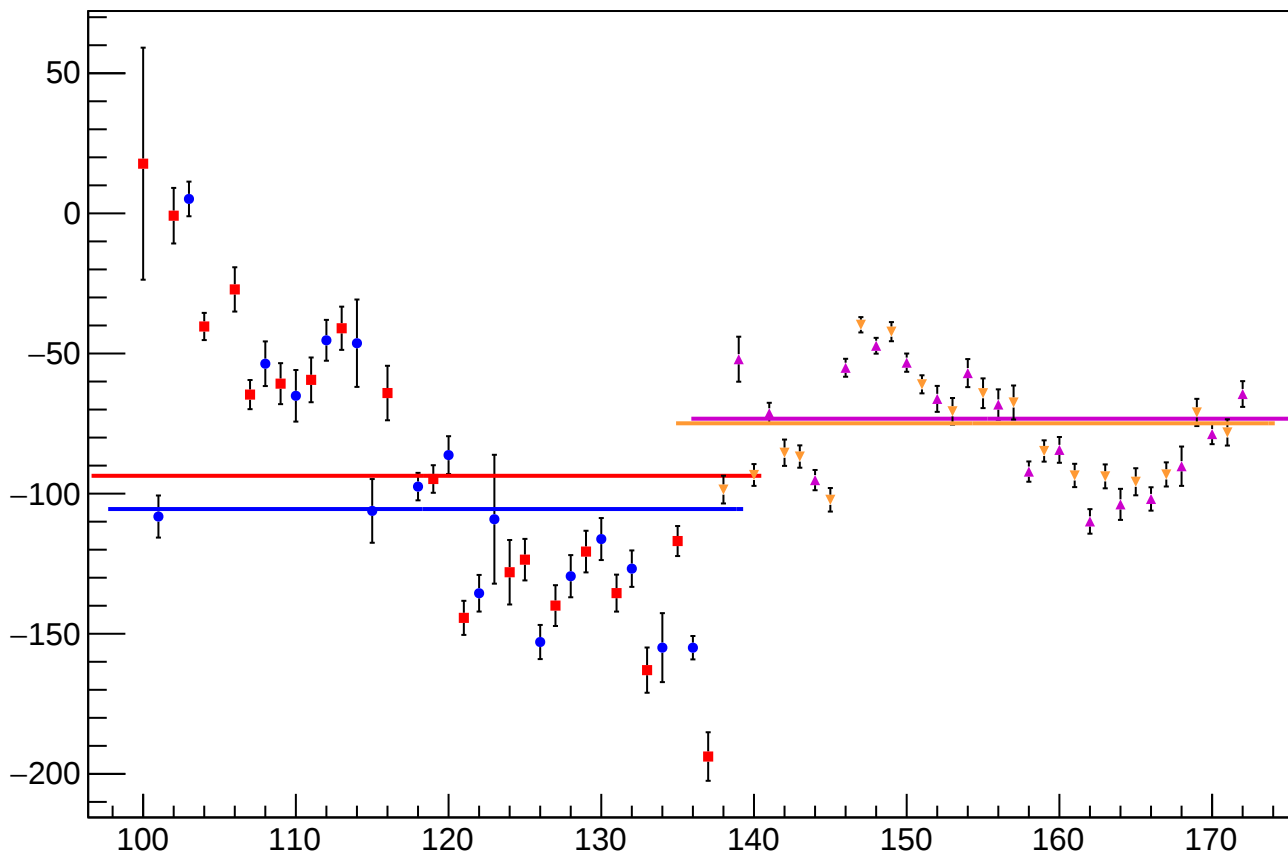
Right: -316.413 $\pm$ 1.838 χ^2/NDF : 4161.2/35

In: -281.311 $\pm$ 1.083 χ^2/NDF : 2716.7/33

Out: -277.819 $\pm$ 1.068 χ^2/NDF : 2998.7/36

All: -279.540 $\pm$ 0.761 χ^2/NDF : 5720.6/70

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -105.496 ± 1.712 χ^2/NDF : 737.3/16

Left Out: -74.907 ± 0.971 χ^2/NDF : 467.2/17

Right Out: -93.637 ± 1.610 χ^2/NDF : 827.1/18

Left In: -73.263 ± 0.994 χ^2/NDF : 405.3/16

Left: -74.105 ± 0.695 χ^2/NDF : 873.8/34

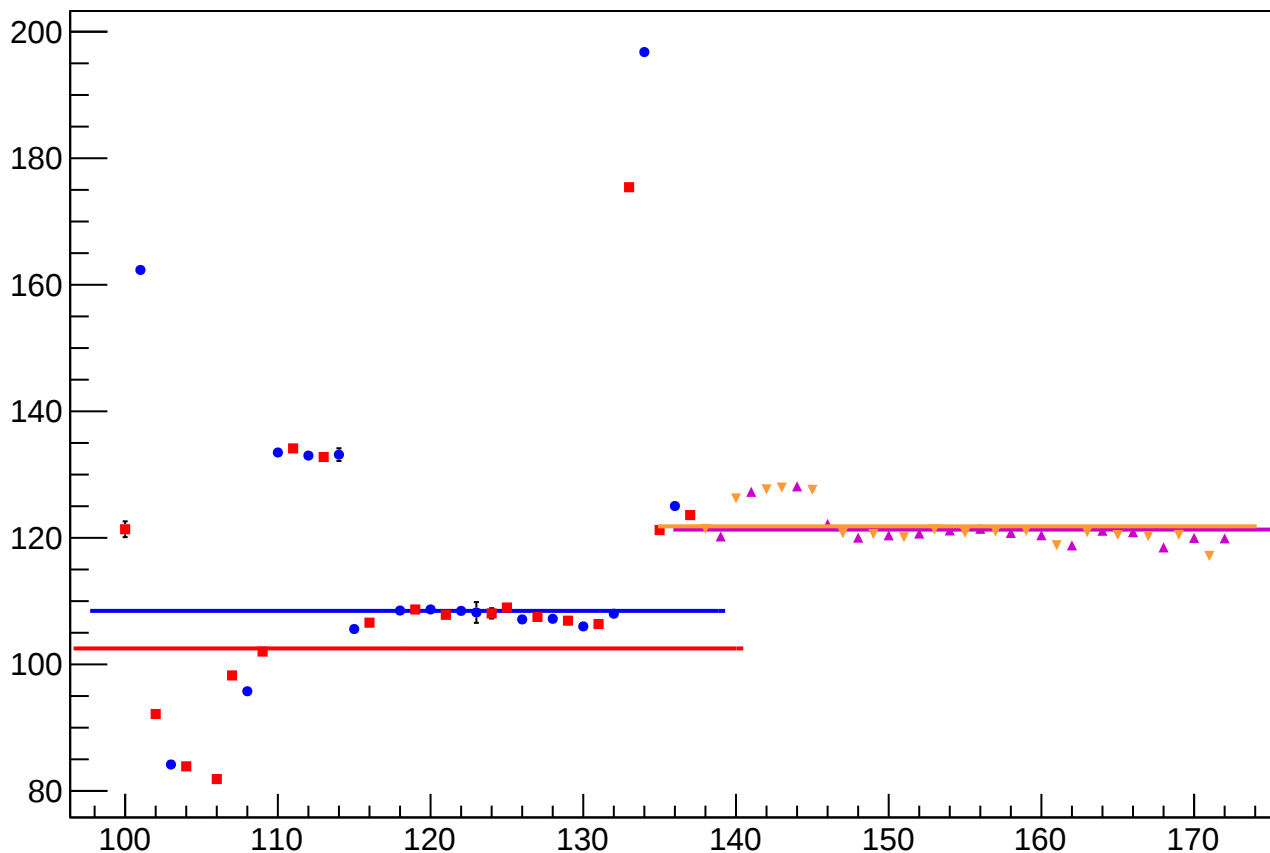
Right: -99.203 ± 1.173 χ^2/NDF : 1589.9/35

In: -81.392 ± 0.860 χ^2/NDF : 1407.7/33

Out: -79.900 ± 0.831 χ^2/NDF : 1393.5/36

All: -80.621 ± 0.598 χ^2/NDF : 2802.7/70

reg_asym_atr_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 108.460 $\pm$ 0.085 χ^2 /NDF: 73301.9/16

Left Out: 121.825 $\pm$ 0.047 χ^2 /NDF: 4085.7/17

Right Out: 102.521 $\pm$ 0.080 χ^2 /NDF: 52992.1/18

Left In: 121.308 $\pm$ 0.047 χ^2 /NDF: 2748.4/16

Left: 121.566 $\pm$ 0.033 χ^2 /NDF: 6894.8/34

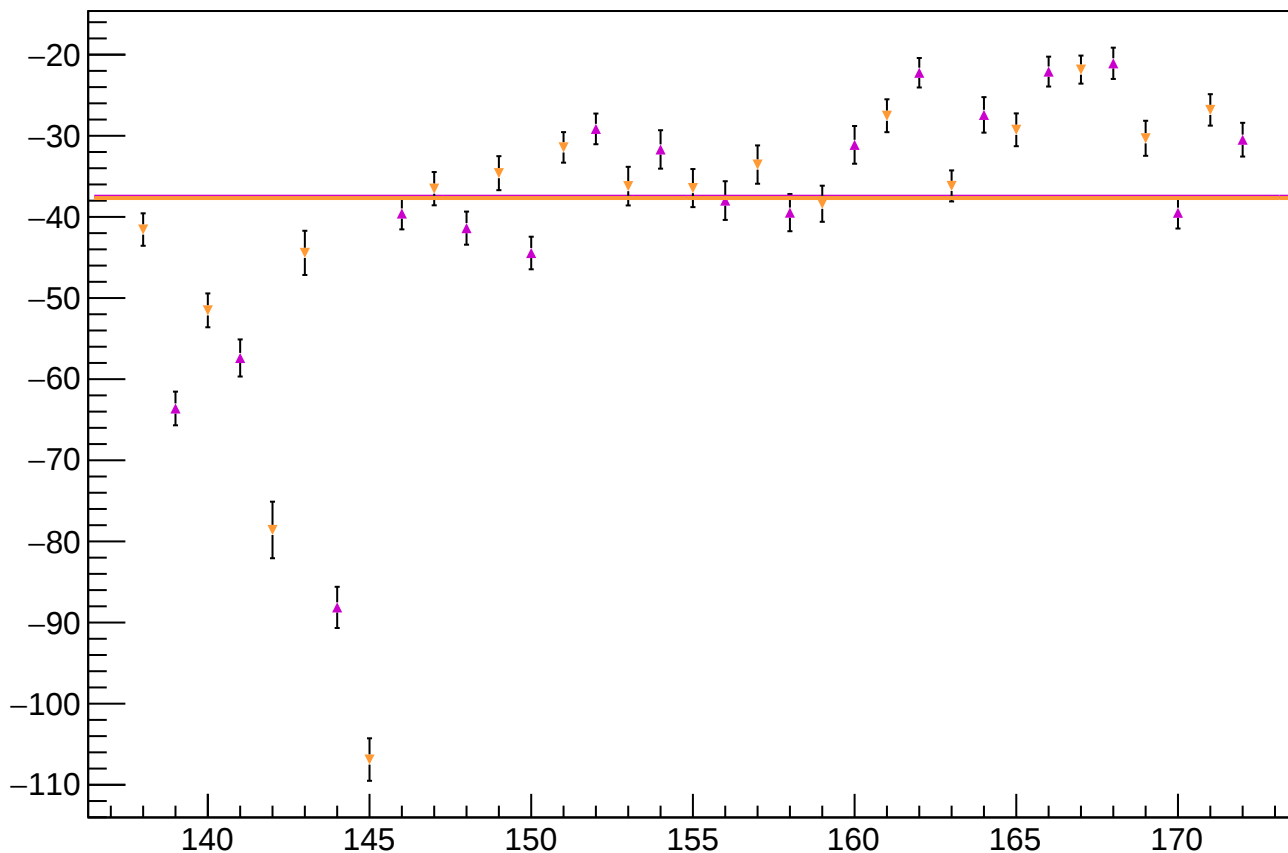
Right: 105.294 $\pm$ 0.058 χ^2 /NDF: 128896.1/35

In: 118.319 $\pm$ 0.041 χ^2 /NDF: 93582.6/33

Out: 116.844 $\pm$ 0.040 χ^2 /NDF: 100768.5/36

All: 117.571 $\pm$ 0.029 χ^2 /NDF: 195007.4/70

reg_asym_at1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -37.673+/-0.506 χ^2/NDF :1077.3/17

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

Left In: -37.509+/-0.506 χ^2/NDF :929.4/16

Left: -37.591+/-0.358 χ^2/NDF : 2006.7/34

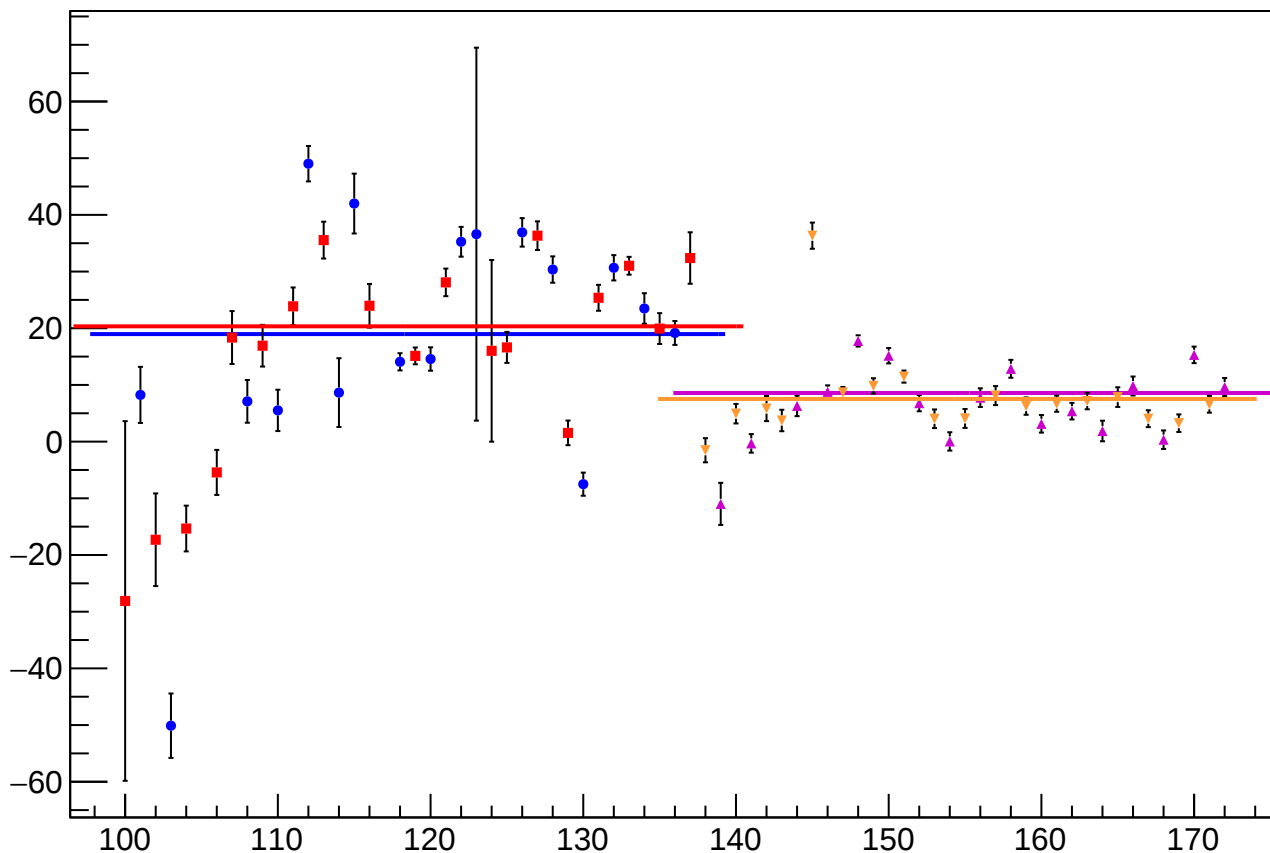
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -37.509+/-0.506 χ^2/NDF :929.4/16

Out: -37.673+/-0.506 χ^2/NDF :1077.3/17

All: -37.591+/-0.358 χ^2/NDF : 2006.7/34

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.970 $\pm$ 0.653 χ^2 /NDF: 618.4/16

Left Out: 7.523 $\pm$ 0.357 χ^2 /NDF:221.9/17

Right Out: 20.338 $\pm$ 0.642 χ^2 /NDF: 366.4/18

Left In: 8.582 $\pm$ 0.365 χ^2 /NDF:283.2/16

Left: 8.041 $\pm$ 0.255 χ^2 /NDF: 509.3/34

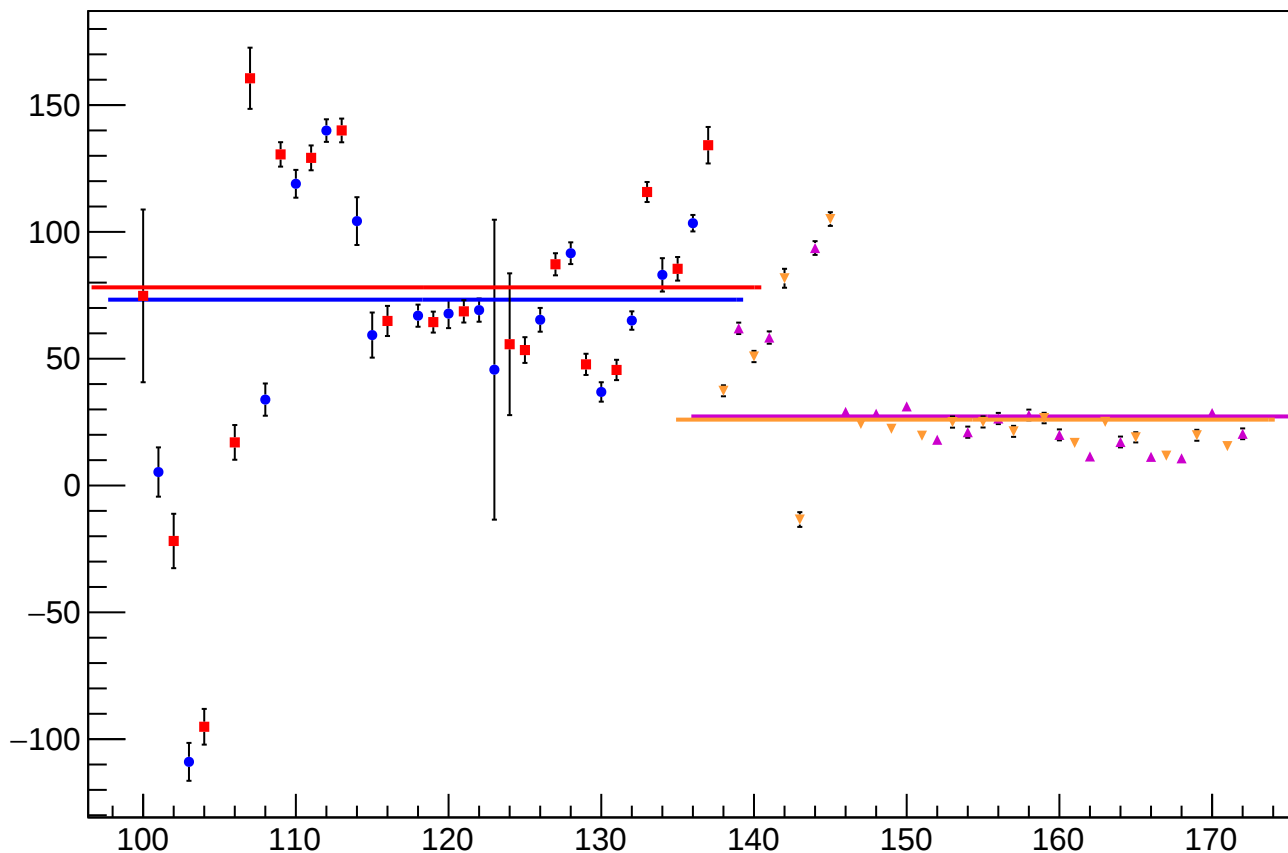
Right: 19.666 $\pm$ 0.458 χ^2 /NDF: 987.0/35

In: 11.058 $\pm$ 0.319 χ^2 /NDF:1094.3/33

Out: 10.550 $\pm$ 0.312 χ^2 /NDF:892.4/36

All: 10.799 $\pm$ 0.223 χ^2 /NDF: 1988.0/70

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 73.278+/-1.236 χ^2 /NDF: 1198.6/16

Left Out: 25.980+/-0.497 χ^2 /NDF:1572.6/17

Right Out: 78.130+/-1.223 χ^2 /NDF: 1543.3/18

Left In: 27.234+/-0.495 χ^2 /NDF:1310.1/16

Left: 26.609+/-0.351 χ^2 /NDF: 2885.9/34

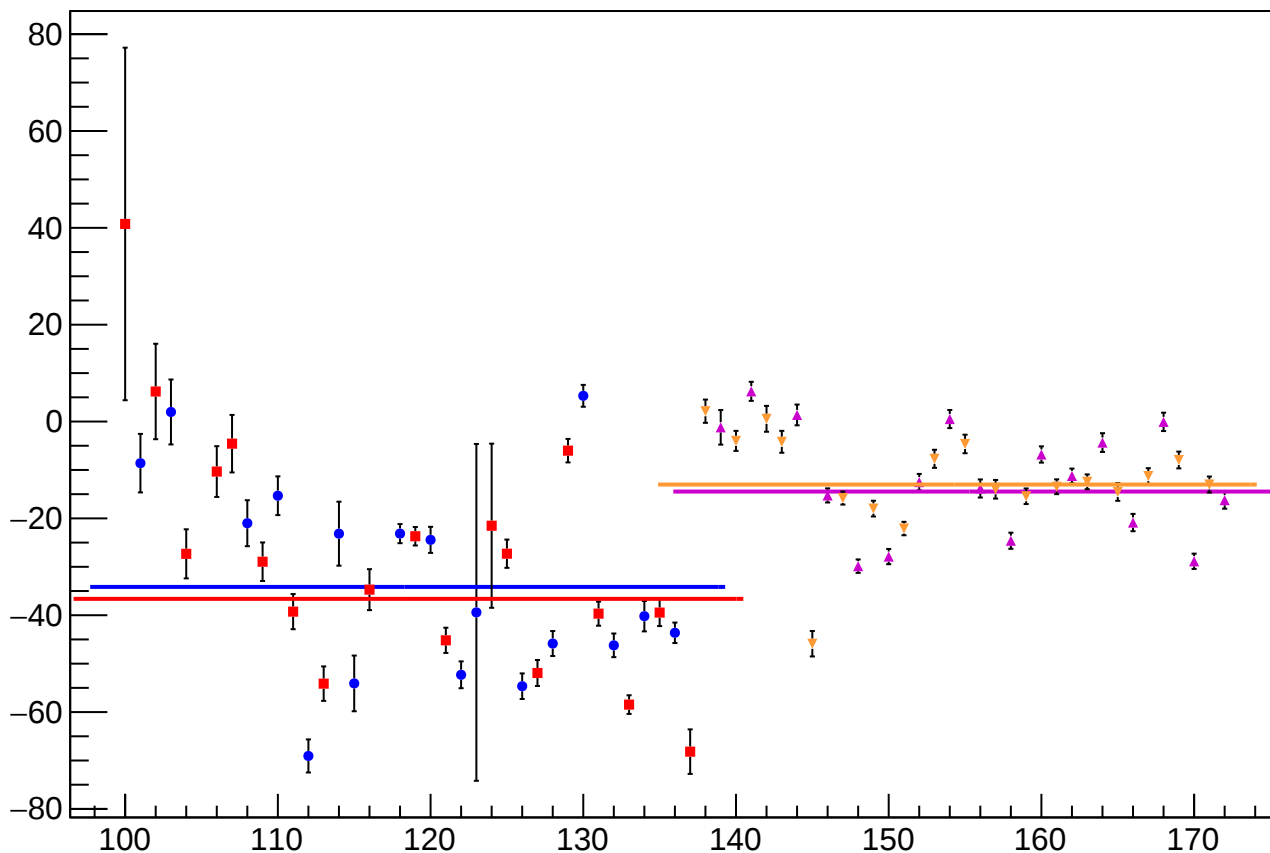
Right: 75.732+/-0.869 χ^2 /NDF: 2749.7/35

In: 33.600+/-0.460 χ^2 /NDF:3703.7/33

Out: 33.378+/-0.460 χ^2 /NDF:4677.4/36

All: 33.489+/-0.325 χ^2 /NDF: 8381.3/70

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: -13.009 ± 0.416 χ^2/NDF : 352.9/17

Right Out: -36.618 ± 0.736 χ^2/NDF : 547.0/18

Left In: -14.460 ± 0.423 χ^2/NDF : 684.8/16

Left: -13.722 ± 0.296 χ^2/NDF : 1043.7/34

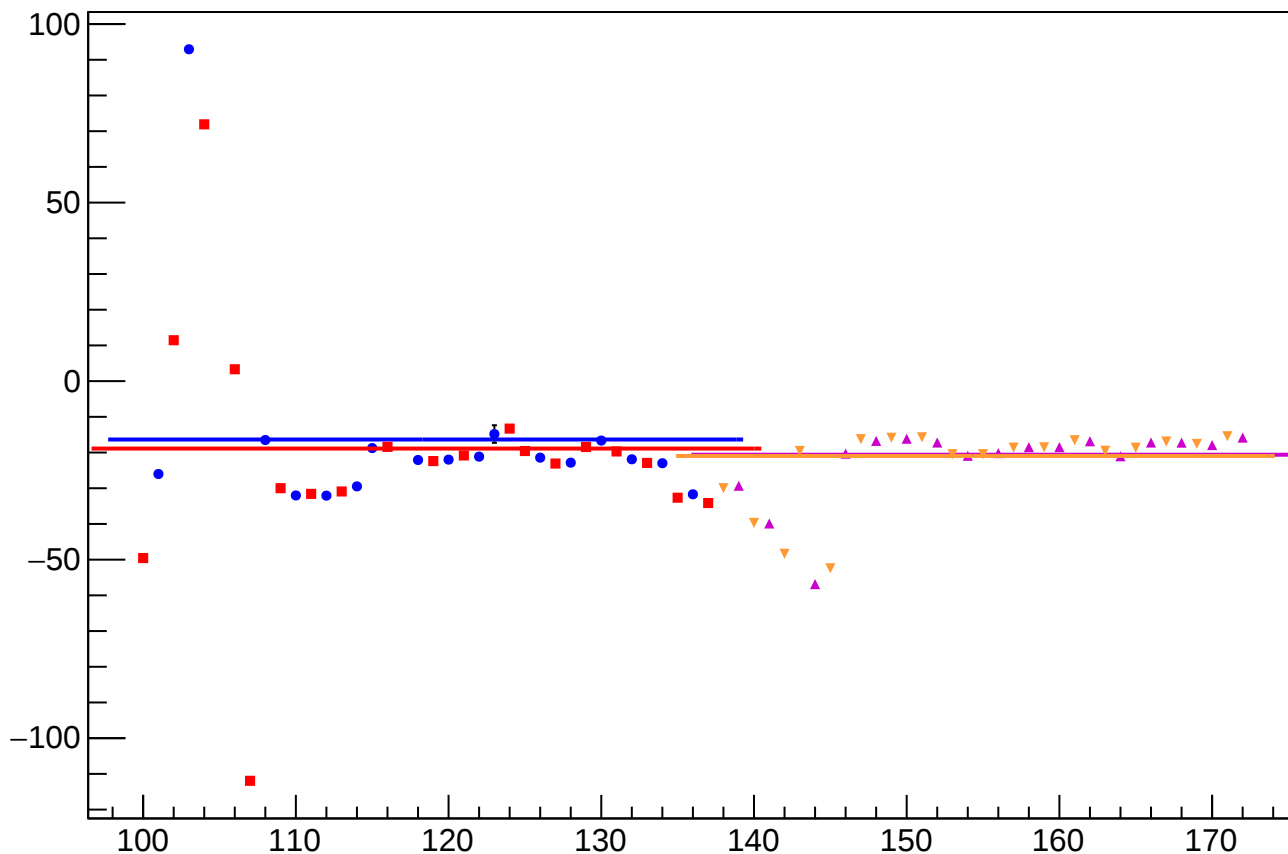
Right: -35.401 ± 0.523 χ^2/NDF : 1270.0/35

In: -19.259 ± 0.368 χ^2/NDF : 1931.0/33

Out: -18.720 ± 0.362 χ^2/NDF : 1680.5/36

All: -18.985 ± 0.258 χ^2/NDF : 3612.6/70

reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.349 ± 0.045 $\chi^2/\text{NDF}: 474192.3/16$

Left Out: -20.960 ± 0.019 $\chi^2/\text{NDF}: 198188.7/17$

Right Out: -18.886 ± 0.045 $\chi^2/\text{NDF}: 433793.7/18$

Left In: -20.613 ± 0.019 $\chi^2/\text{NDF}: 164849.9/16$

Left: -20.786 ± 0.014 $\chi^2/\text{NDF}: 363199.7/34$

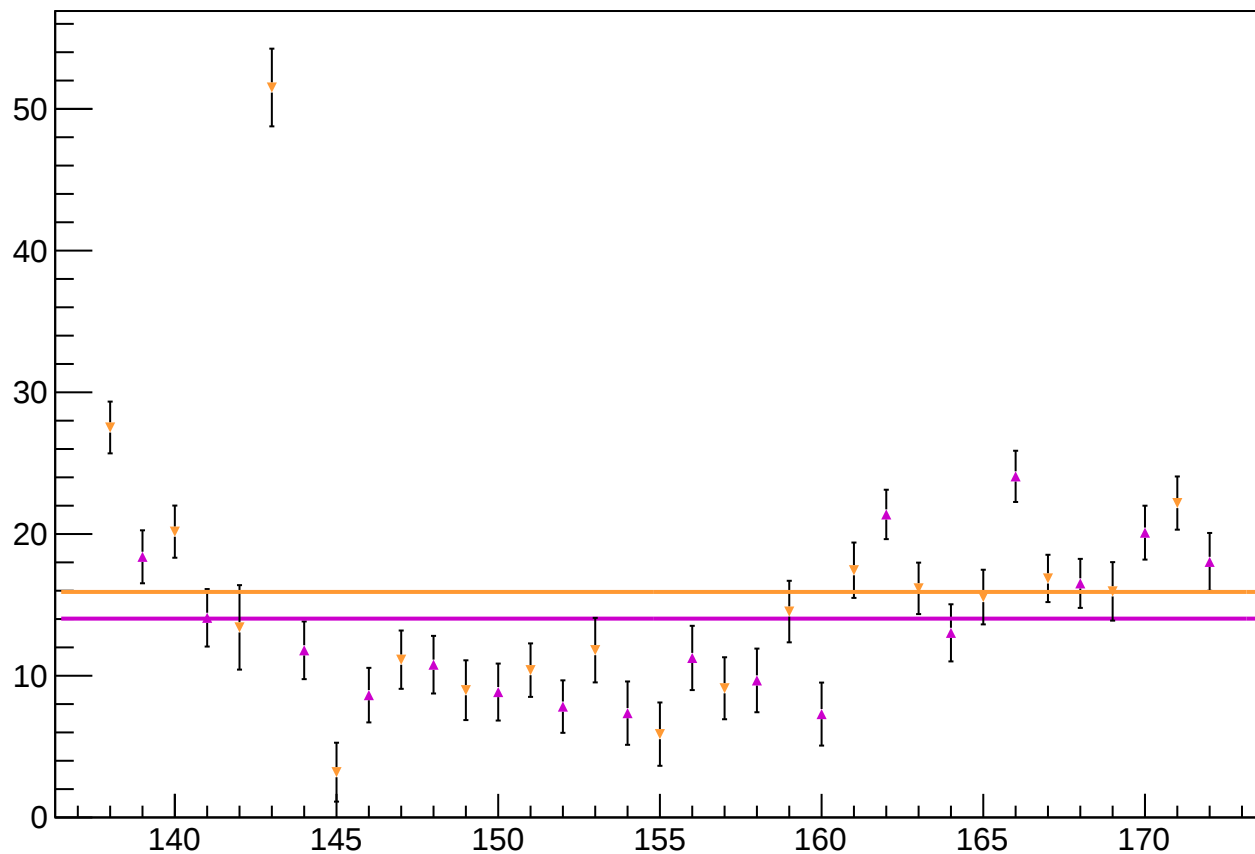
Right: -17.599 ± 0.032 $\chi^2/\text{NDF}: 909577.8/35$

In: -19.943 ± 0.018 $\chi^2/\text{NDF}: 646732.8/33$

Out: -20.639 ± 0.018 $\chi^2/\text{NDF}: 633754.1/36$

All: -20.289 ± 0.013 $\chi^2/\text{NDF}: 1281256.1/70$

reg_asym_at1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 15.914 $\pm$ 0.480 χ^2 /NDF:322.8/17

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

Left In: 14.031 $\pm$ 0.480 χ^2 /NDF:123.3/16

Left: 14.972 $\pm$ 0.339 χ^2 /NDF: 453.9/34

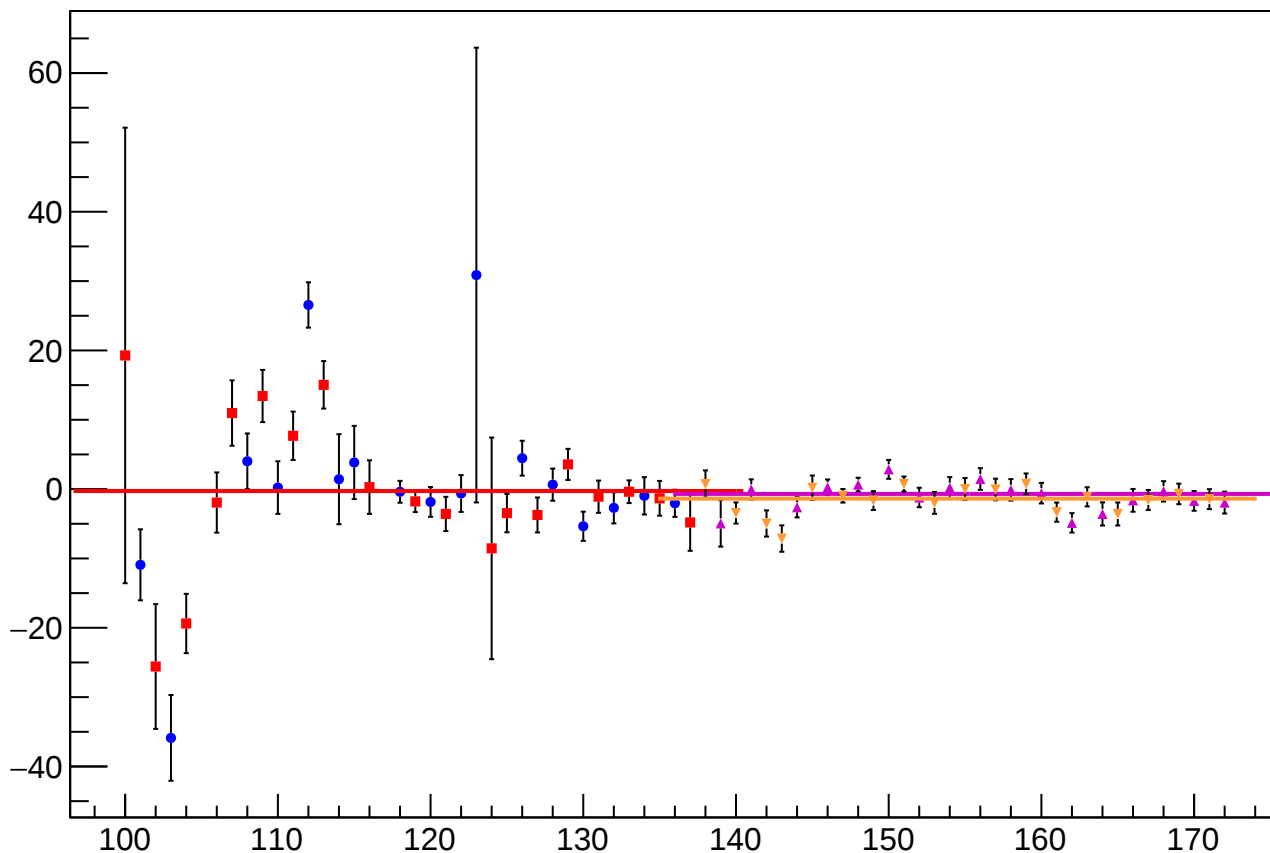
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

In: 14.031 $\pm$ 0.480 χ^2 /NDF:123.3/16

Out: 15.914 $\pm$ 0.480 χ^2 /NDF:322.8/17

All: 14.972 $\pm$ 0.339 χ^2 /NDF: 453.9/34

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.280 ± 0.662 $\chi^2/\text{NDF}: 119.5/16$

Left Out: -1.377 ± 0.343 $\chi^2/\text{NDF}: 28.3/17$

Right Out: -0.270 ± 0.656 $\chi^2/\text{NDF}: 83.2/18$

Left In: -0.691 ± 0.349 $\chi^2/\text{NDF}: 28.7/16$

Left: -1.041 ± 0.245 $\chi^2/\text{NDF}: 59.0/34$

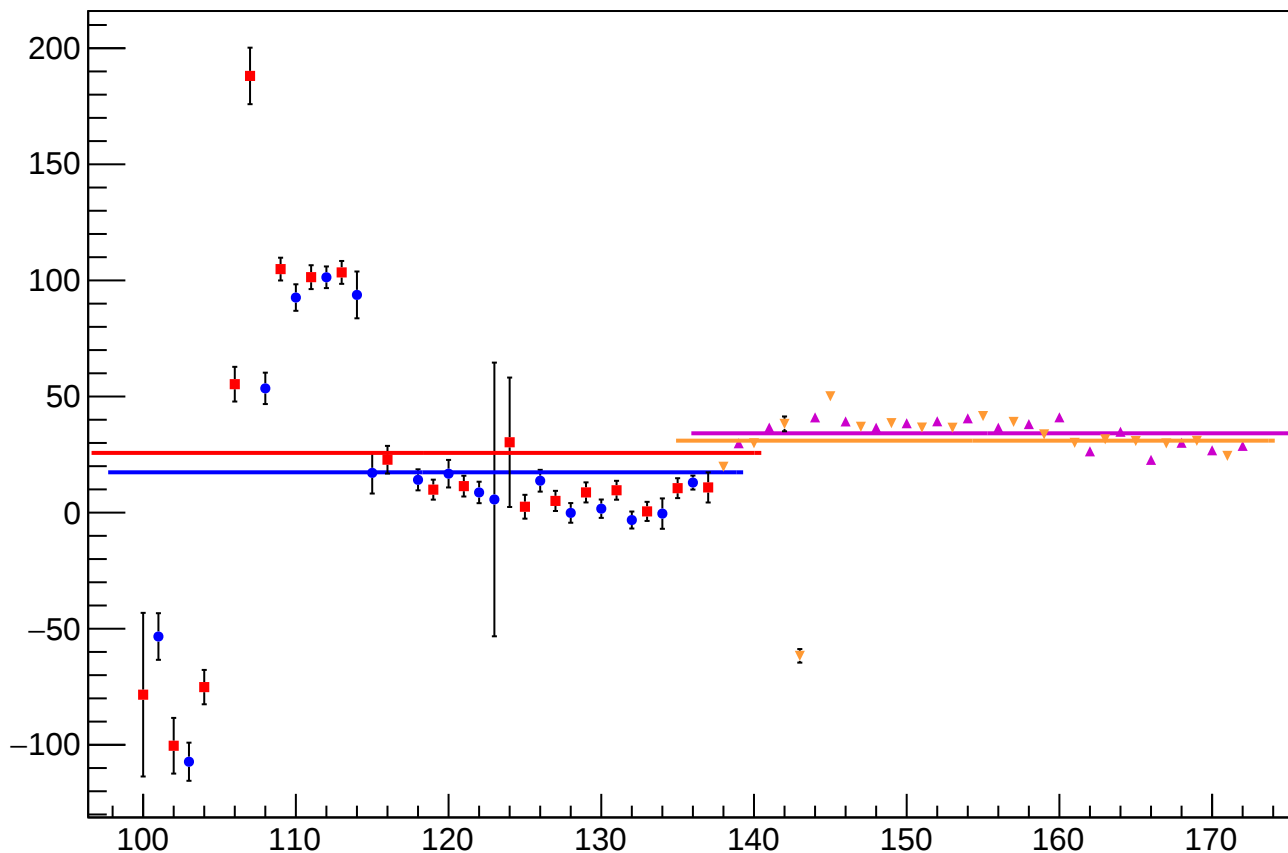
Right: -0.275 ± 0.466 $\chi^2/\text{NDF}: 202.7/35$

In: -0.602 ± 0.309 $\chi^2/\text{NDF}: 148.6/33$

Out: -1.140 ± 0.304 $\chi^2/\text{NDF}: 113.7/36$

All: -0.875 ± 0.217 $\chi^2/\text{NDF}: 263.8/70$

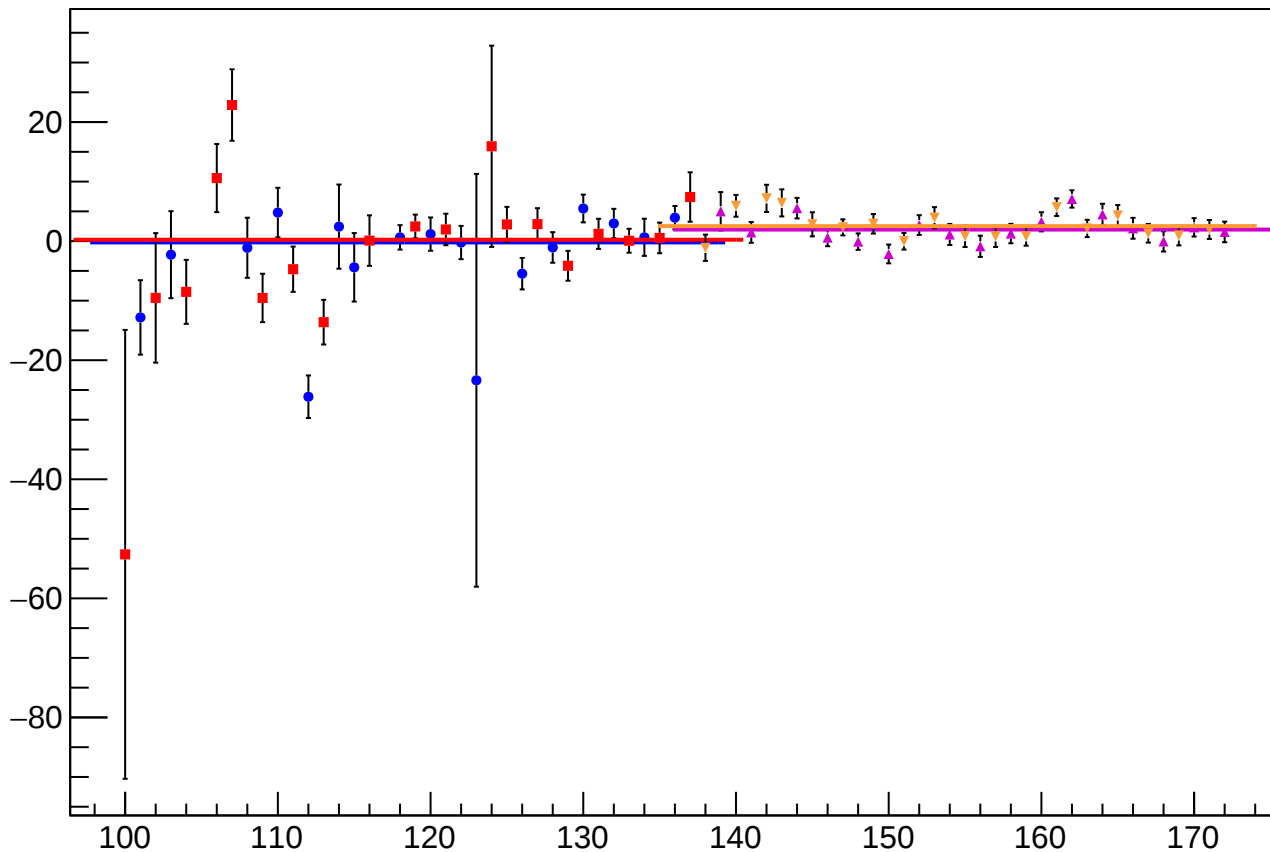
reg_asym_at1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 17.361 ± 1.247 χ^2/NDF : 943.0/16
 Left Out: 30.992 ± 0.473 χ^2/NDF : 1215.0/17
 Right Out: 25.717 ± 1.243 χ^2/NDF : 1378.8/18
 Left In: 34.160 ± 0.471 χ^2/NDF : 151.7/16

Left: 32.583 ± 0.334 χ^2/NDF : 1389.1/34
 Right: 21.552 ± 0.880 χ^2/NDF : 2344.4/35
 In: 32.062 ± 0.441 χ^2/NDF : 1253.5/33
 Out: 30.324 ± 0.442 χ^2/NDF : 2609.5/36
 All: 31.196 ± 0.312 χ^2/NDF : 3870.8/70

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.211 ± 0.752 χ^2/NDF : 75.9/16

Left Out: 2.522 ± 0.398 χ^2/NDF : 27.7/17

Right Out: 0.239 ± 0.748 χ^2/NDF : 54.5/18

Left In: 1.946 ± 0.404 χ^2/NDF : 34.8/16

Left: 2.239 ± 0.283 χ^2/NDF : 63.5/34

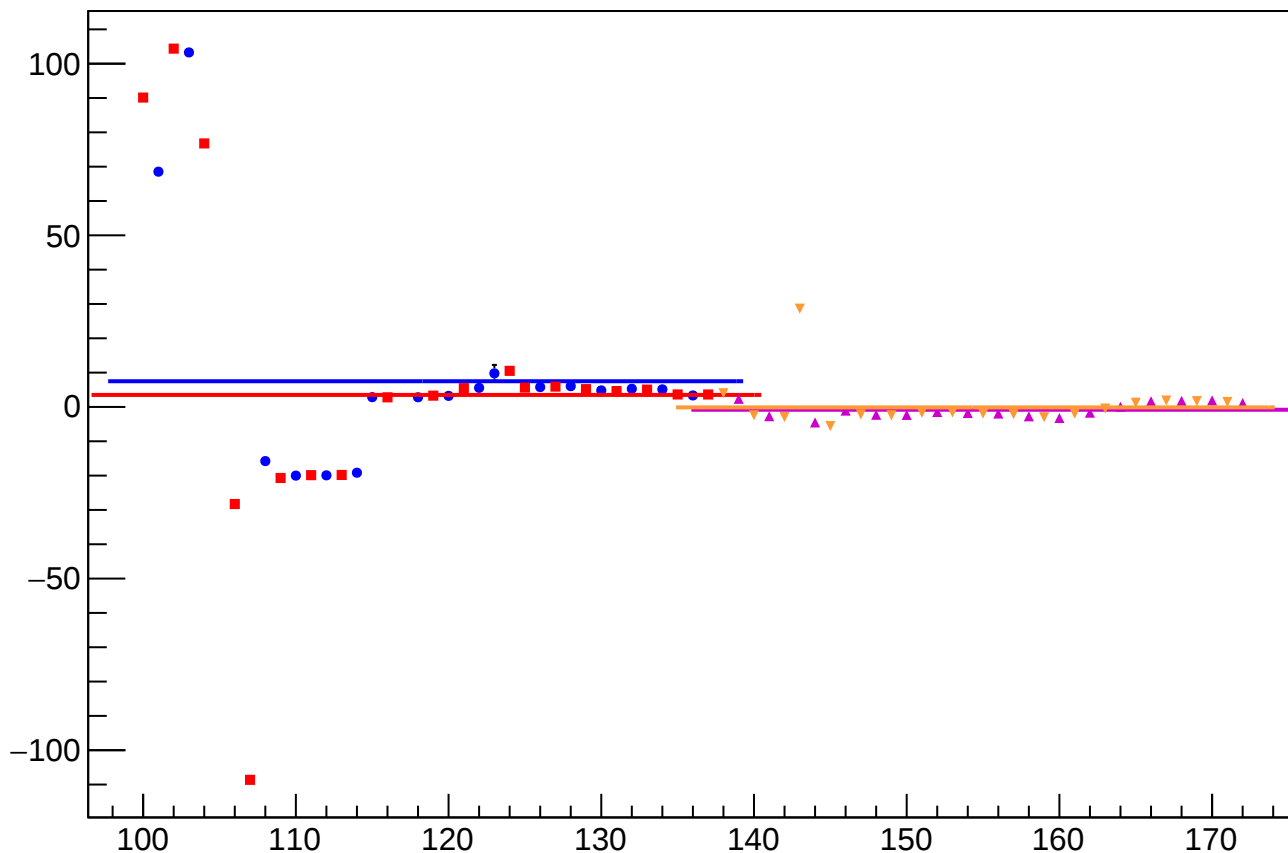
Right: 0.015 ± 0.530 χ^2/NDF : 130.6/35

In: 1.463 ± 0.356 χ^2/NDF : 117.1/33

Out: 2.020 ± 0.351 χ^2/NDF : 89.4/36

All: 1.745 ± 0.250 χ^2/NDF : 207.8/70

reg_asym_at1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 7.492+/-0.045 χ^2/NDF : 355979.0/16

Left Out: -0.127+/-0.018 χ^2/NDF : 76462.8/17

Right Out: 3.504+/-0.046 χ^2/NDF : 510579.4/18

Left In: -0.815+/-0.018 χ^2/NDF : 11817.5/16

Left: -0.472+/-0.013 χ^2/NDF : 88982.4/34

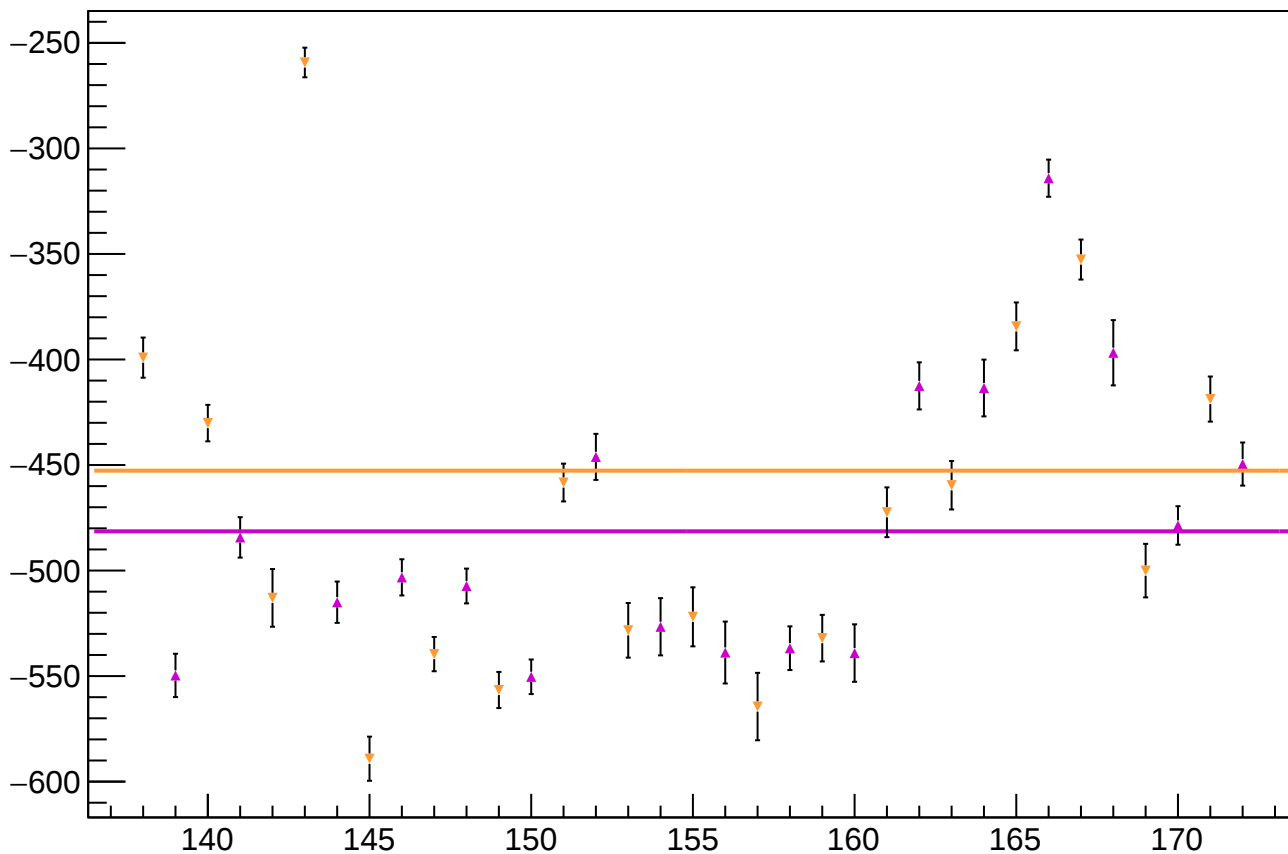
Right: 5.541+/-0.032 χ^2/NDF : 870462.8/35

In: 0.382+/-0.017 χ^2/NDF : 397443.9/33

Out: 0.380+/-0.017 χ^2/NDF : 592490.3/36

All: 0.381+/-0.012 χ^2/NDF : 989934.2/70

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -452.669+/-2.408 χ^2/NDF :1584.2/17

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

Left In: -481.415+/-2.504 χ^2/NDF :691.1/16

Left: -466.485+/-1.736 χ^2/NDF : 2343.8/34

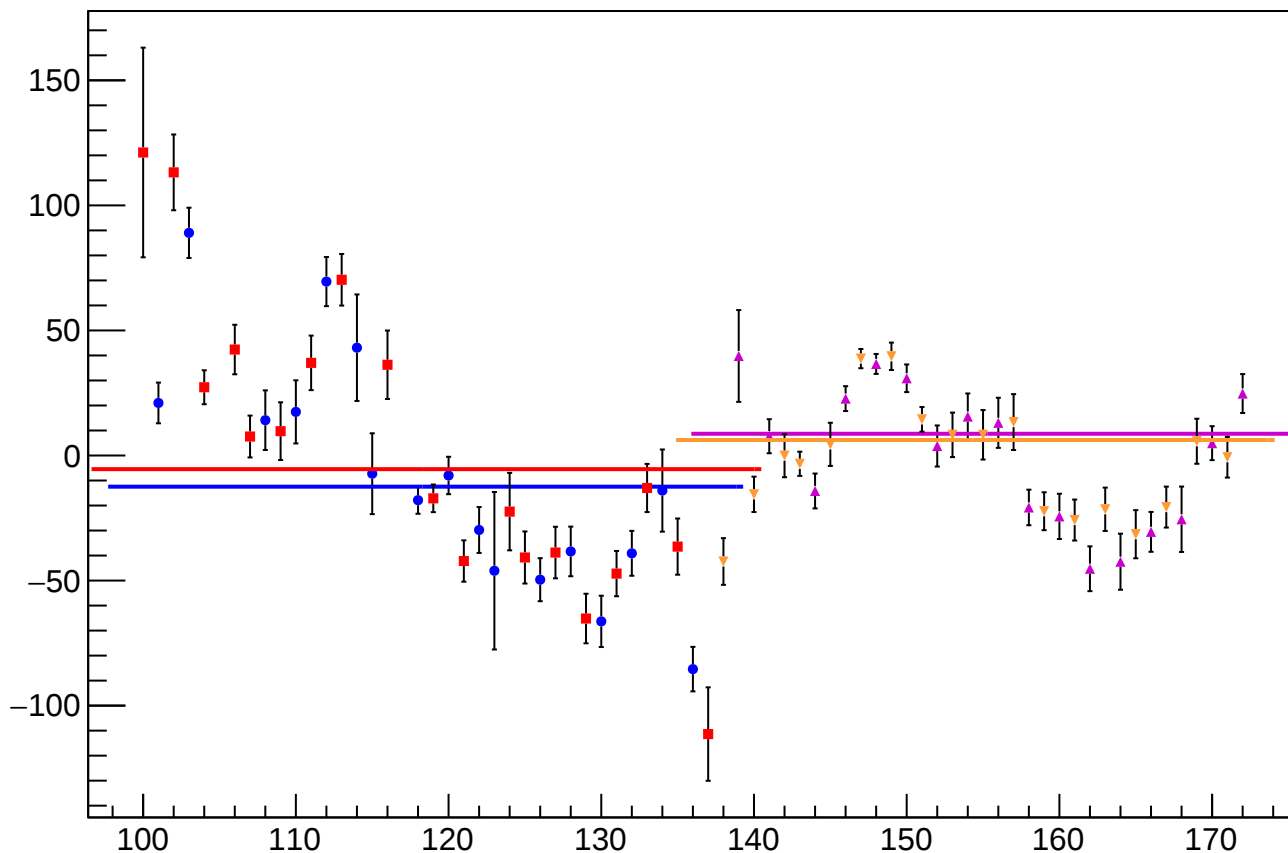
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -481.415+/-2.504 χ^2/NDF :691.1/16

Out: -452.669+/-2.408 χ^2/NDF :1584.2/17

All: -466.485+/-1.736 χ^2/NDF : 2343.8/34

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -12.458 ± 2.349 χ^2/NDF : 341.1/16

Left Out: 6.192 ± 1.638 χ^2/NDF : 219.5/17

Right Out: -5.453 ± 2.259 χ^2/NDF : 345.0/18

Left In: 8.692 ± 1.741 χ^2/NDF : 211.1/16

Left: 7.365 ± 1.193 χ^2/NDF : 431.7/34

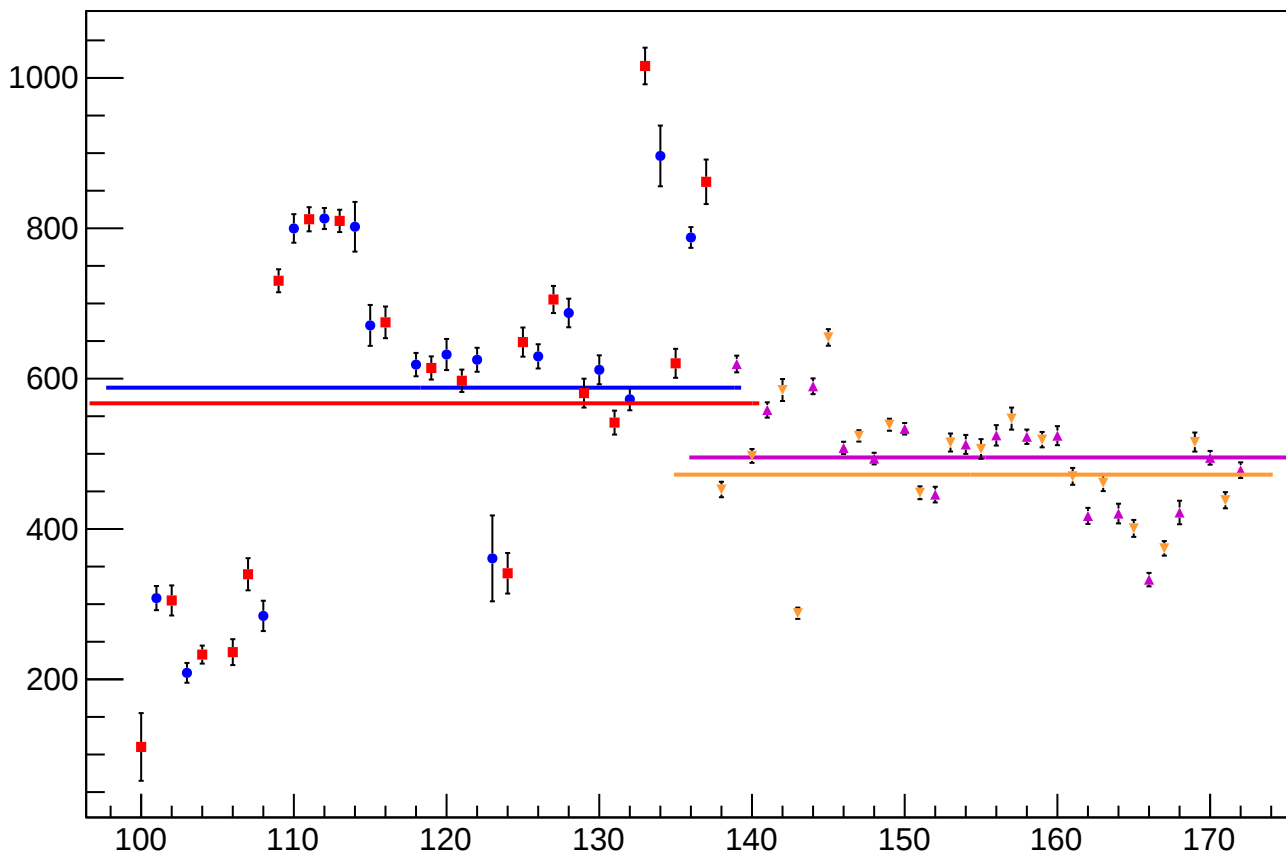
Right: -8.819 ± 1.628 χ^2/NDF : 690.7/35

In: 1.189 ± 1.399 χ^2/NDF : 604.5/33

Out: 2.179 ± 1.326 χ^2/NDF : 581.9/36

All: 1.710 ± 0.962 χ^2/NDF : 1186.7/70

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 587.994 ± 4.353 $\chi^2/\text{NDF}: 2129.6/16$

Left Out: 472.310 ± 2.389 $\chi^2/\text{NDF}: 1304.6/17$

Right Out: 567.179 ± 4.136 $\chi^2/\text{NDF}: 2783.2/18$

Left In: 495.171 ± 2.456 $\chi^2/\text{NDF}: 752.9/16$

Left: 483.427 ± 1.713 $\chi^2/\text{NDF}: 2102.0/34$

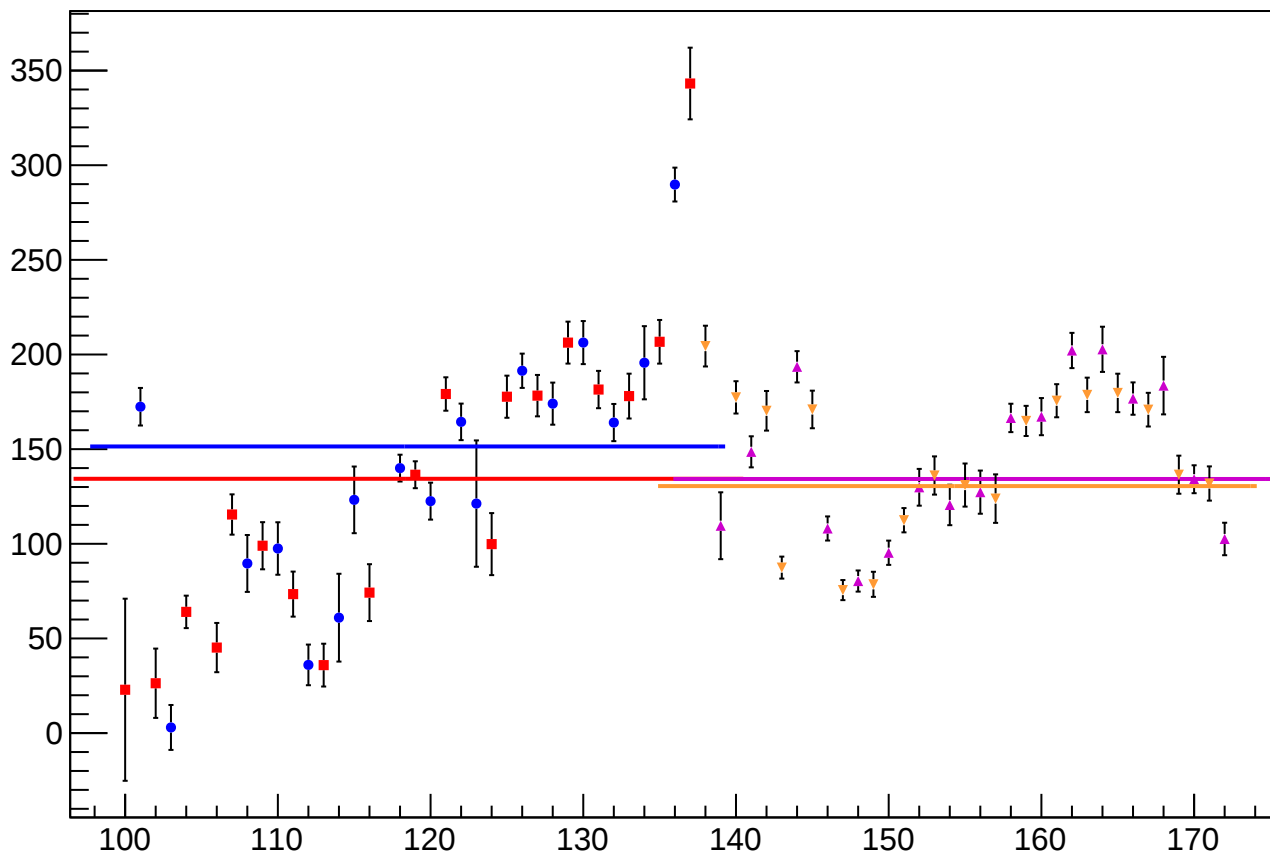
Right: 577.056 ± 2.998 $\chi^2/\text{NDF}: 4924.8/35$

In: 517.584 ± 2.139 $\chi^2/\text{NDF}: 3227.4/33$

Out: 496.048 ± 2.069 $\chi^2/\text{NDF}: 4482.3/36$

All: 506.458 ± 1.487 $\chi^2/\text{NDF}: 7762.1/70$

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 151.421 $\pm$ 2.709 χ^2 /NDF: 633.3/16

Left Out: 130.493 $\pm$ 1.950 χ^2 /NDF:458.2/17

Right Out: 134.346 $\pm$ 2.616 χ^2 /NDF: 584.9/18

Left In: 134.244 $\pm$ 2.052 χ^2 /NDF:370.4/16

Left: 132.274 $\pm$ 1.414 χ^2 /NDF: 830.4/34

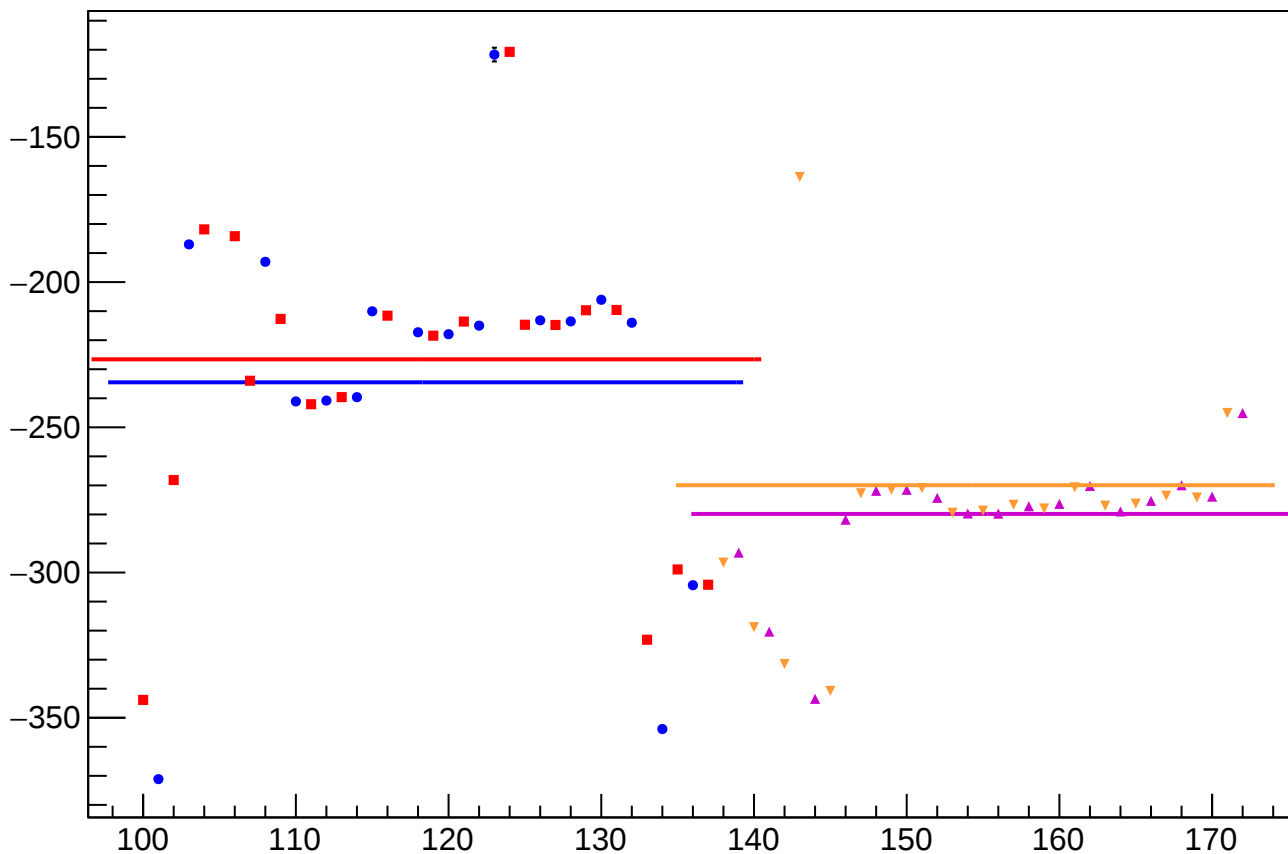
Right: 142.583 $\pm$ 1.882 χ^2 /NDF: 1238.7/35

In: 140.506 $\pm$ 1.636 χ^2 /NDF:1029.3/33

Out: 131.870 $\pm$ 1.564 χ^2 /NDF:1044.5/36

All: 135.993 $\pm$ 1.130 χ^2 /NDF: 2088.3/70

reg_asym_at2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -234.501+/-0.149 χ^2 /NDF: 145046.5/16

Left Out: -269.932+/-0.095 χ^2 /NDF:187583.7/17

Right Out: -226.581+/-0.141 χ^2 /NDF: 98968.8/18

Left In: -279.824+/-0.097 χ^2 /NDF:41767.7/16

Left: -274.786+/-0.068 χ^2 /NDF: 234625.6/34

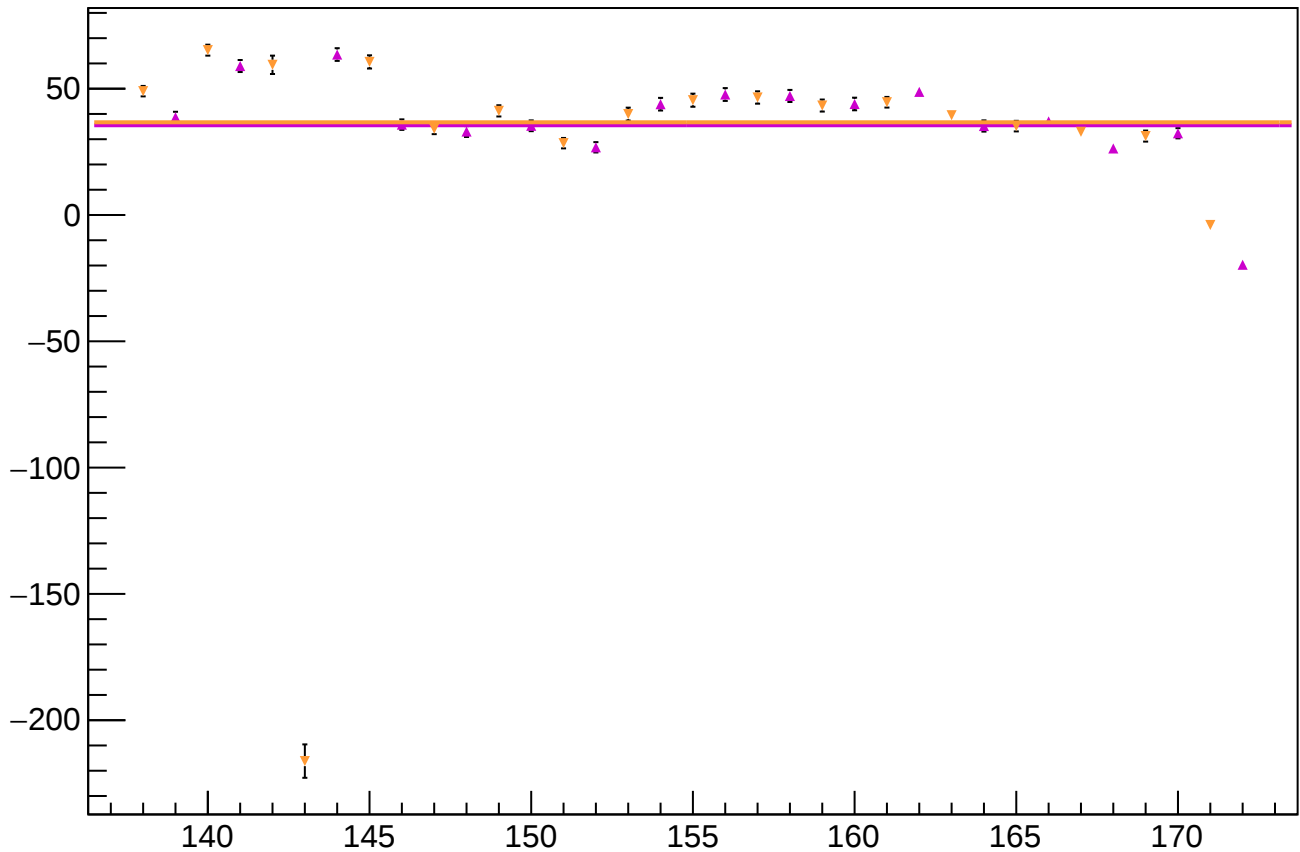
Right: -230.333+/-0.103 χ^2 /NDF: 245501.4/35

In: -266.296+/-0.081 χ^2 /NDF:251699.2/33

Out: -256.369+/-0.079 χ^2 /NDF:351132.5/36

All: -261.189+/-0.057 χ^2 /NDF: 610479.8/70

reg_asym_at2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 36.704+/-0.535 χ^2/NDF :2334.6/17

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

Left In: 35.531+/-0.525 χ^2/NDF :1149.3/16

Left: 36.107+/-0.375 χ^2/NDF : 3486.4/34

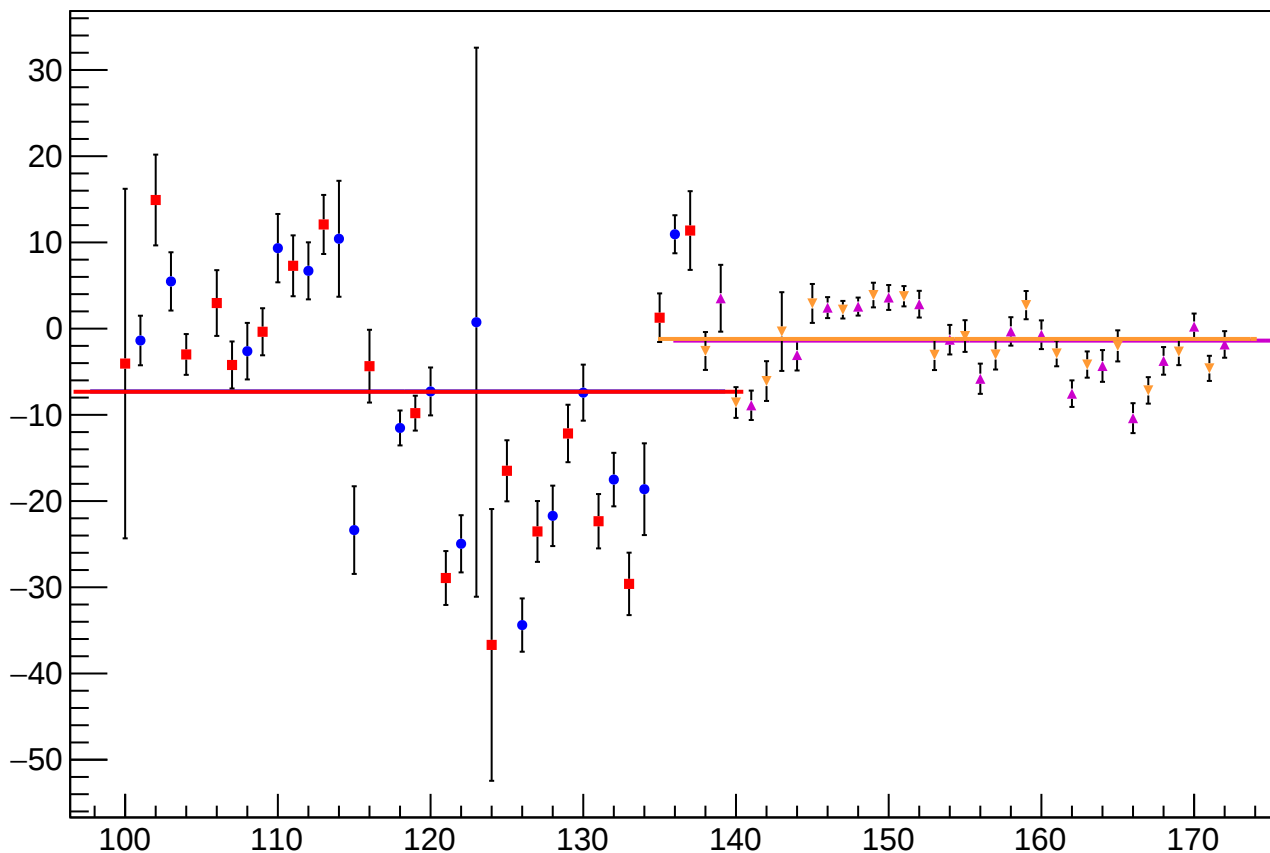
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 35.531+/-0.525 χ^2/NDF :1149.3/16

Out: 36.704+/-0.535 χ^2/NDF :2334.6/17

All: 36.107+/-0.375 χ^2/NDF : 3486.4/34

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.284 ± 0.789 χ^2/NDF : 283.2/16

Left Out: -1.196 ± 0.380 χ^2/NDF : 101.5/17

Right Out: -7.323 ± 0.761 χ^2/NDF : 255.3/18

Left In: -1.391 ± 0.381 χ^2/NDF : 121.1/16

Left: -1.293 ± 0.269 χ^2/NDF : 222.7/34

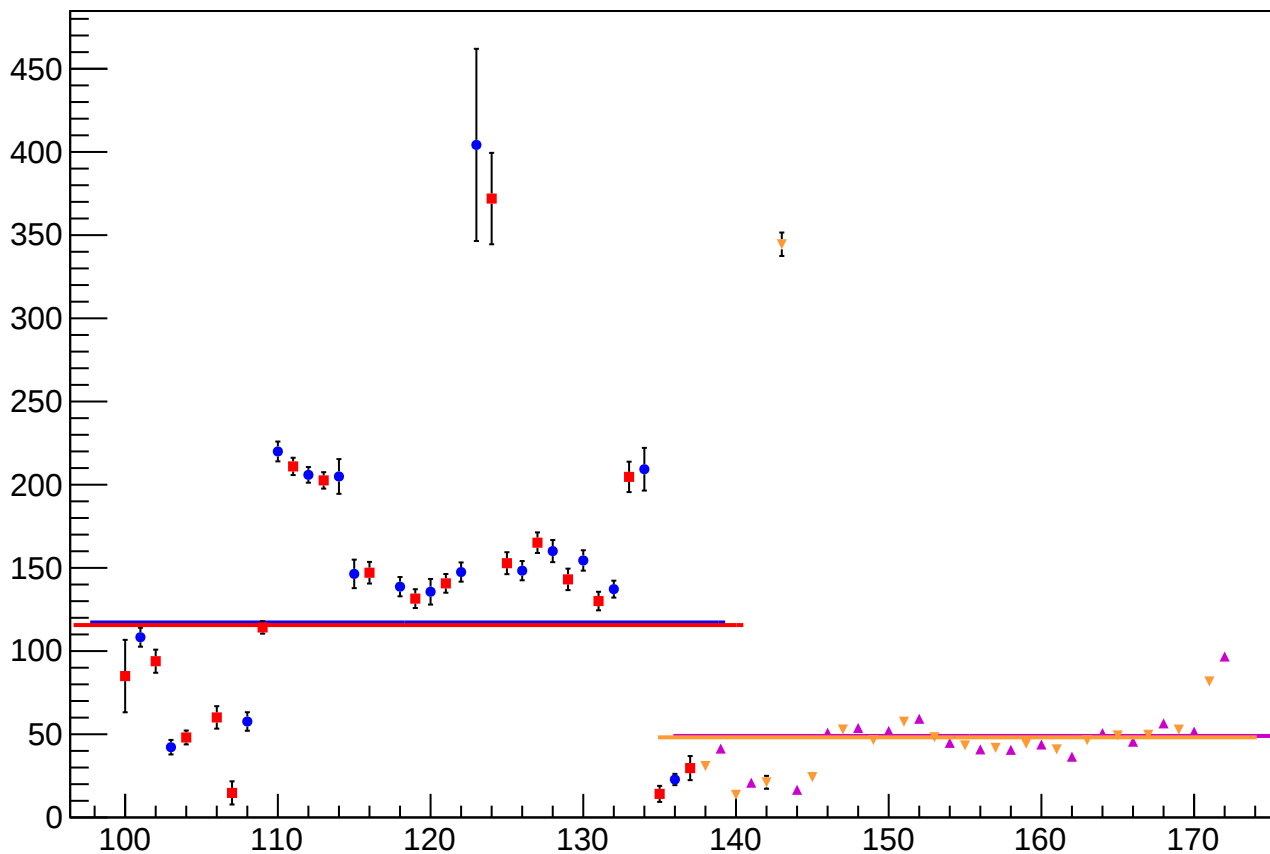
Right: -7.304 ± 0.548 χ^2/NDF : 538.5/35

In: -2.505 ± 0.343 χ^2/NDF : 449.6/33

Out: -2.418 ± 0.340 χ^2/NDF : 408.7/36

All: -2.461 ± 0.241 χ^2/NDF : 858.4/70

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 117.187 $\pm$ 1.416 χ^2 /NDF: 2161.0/16

Left Out: 48.149 $\pm$ 0.526 χ^2 /NDF:2540.7/17

Right Out: 115.632 $\pm$ 1.361 χ^2 /NDF: 2137.6/18

Left In: 48.985 $\pm$ 0.515 χ^2 /NDF:963.1/16

Left: 48.575 $\pm$ 0.368 χ^2 /NDF: 3505.1/34

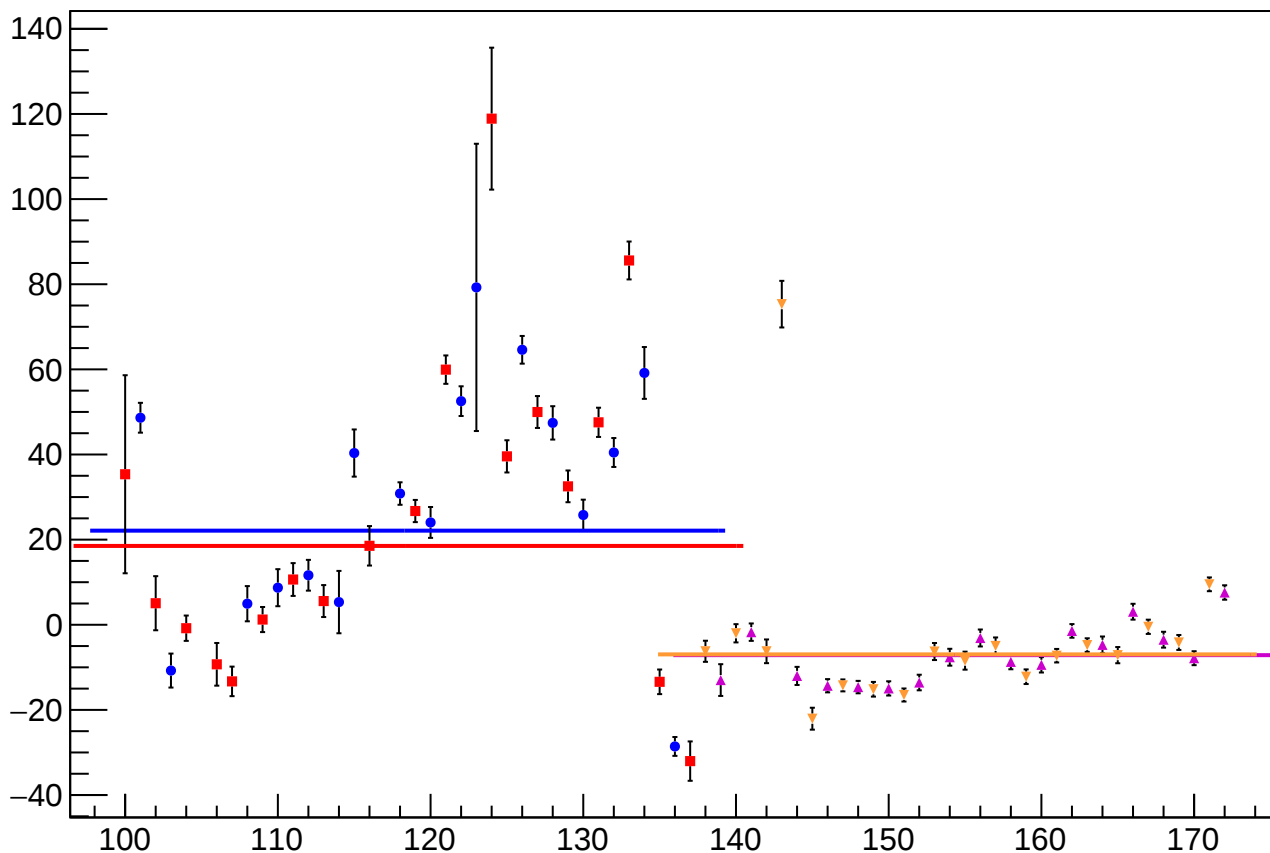
Right: 116.378 $\pm$ 0.981 χ^2 /NDF: 4299.2/35

In: 56.955 $\pm$ 0.484 χ^2 /NDF:5171.9/33

Out: 56.906 $\pm$ 0.490 χ^2 /NDF:6817.7/36

All: 56.931 $\pm$ 0.345 χ^2 /NDF: 11989.6/70

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.110 ± 0.898 $\chi^2/\text{NDF}: 1070.3/16$

Left Out: -6.959 ± 0.441 $\chi^2/\text{NDF}: 487.7/17$

Right Out: 18.521 ± 0.871 $\chi^2/\text{NDF}: 1068.6/18$

Left In: -7.139 ± 0.440 $\chi^2/\text{NDF}: 226.7/16$

Left: -7.049 ± 0.311 $\chi^2/\text{NDF}: 714.5/34$

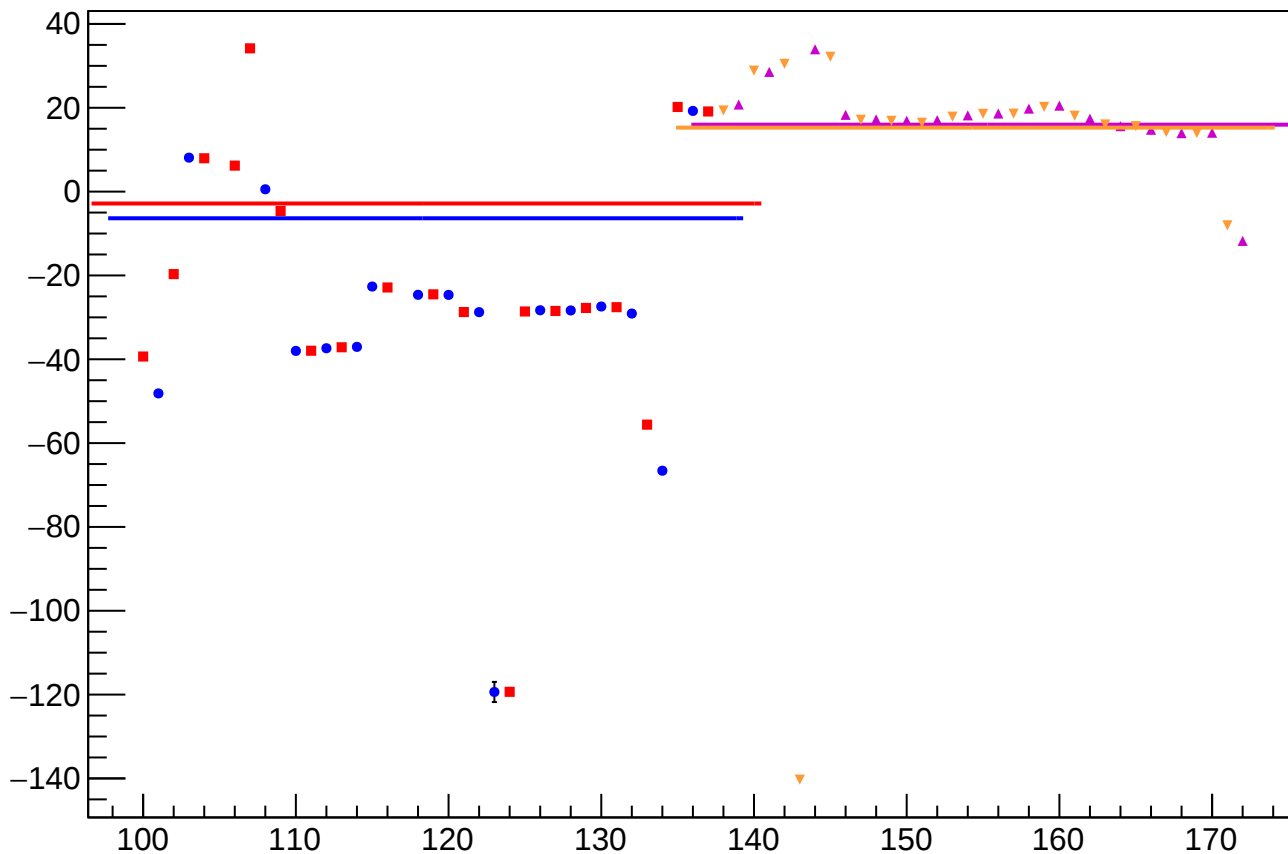
Right: 20.261 ± 0.625 $\chi^2/\text{NDF}: 2147.1/35$

In: -1.473 ± 0.395 $\chi^2/\text{NDF}: 2152.1/33$

Out: -1.768 ± 0.393 $\chi^2/\text{NDF}: 2237.4/36$

All: -1.621 ± 0.279 $\chi^2/\text{NDF}: 4389.8/70$

reg_asym_at2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -6.360 ± 0.046 χ^2/NDF : 264750.9/16

Left Out: 15.266 ± 0.020 χ^2/NDF : 486701.0/17

Right Out: -2.837 ± 0.046 χ^2/NDF : 265573.0/18

Left In: 15.972 ± 0.020 χ^2/NDF : 199818.9/16

Left: 15.626 ± 0.014 χ^2/NDF : 687127.8/34

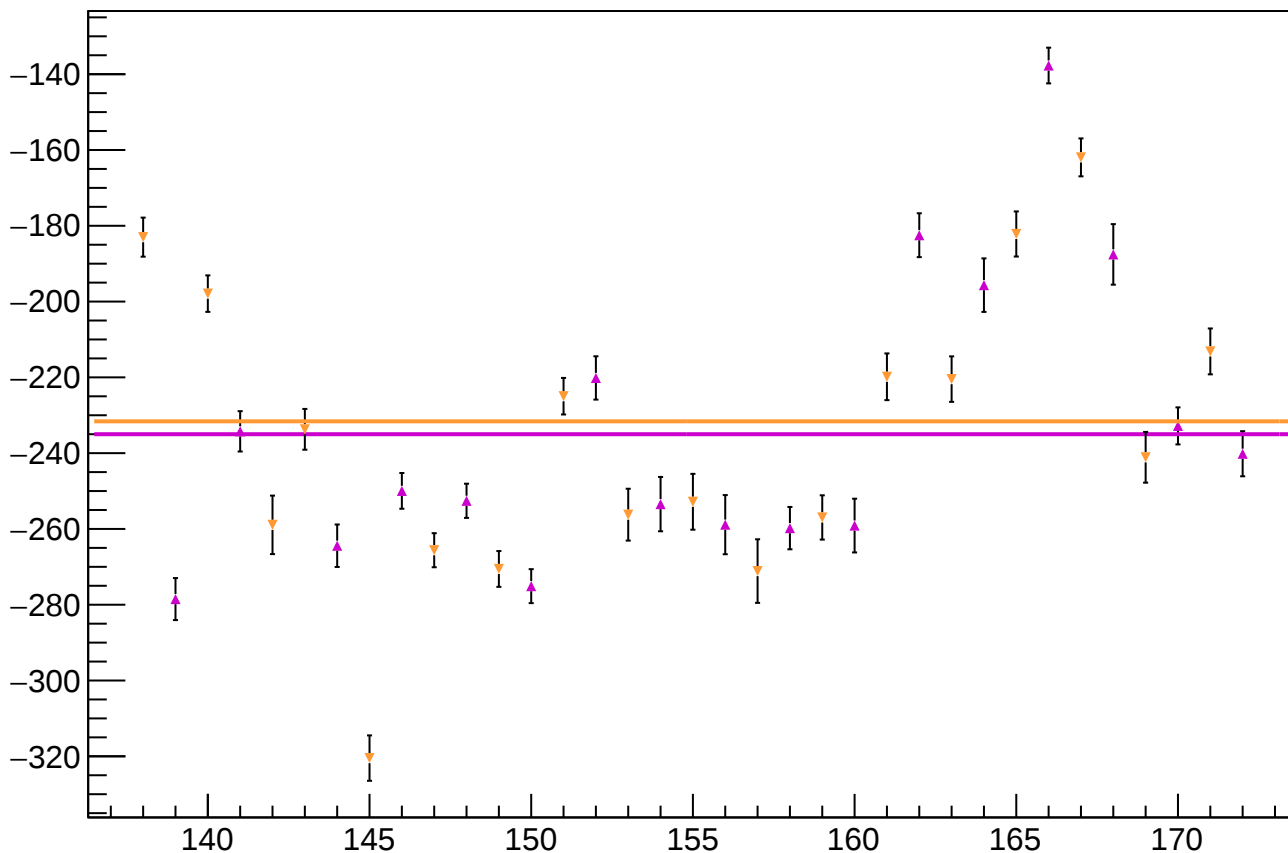
Right: -4.577 ± 0.033 χ^2/NDF : 533252.4/35

In: 12.452 ± 0.018 χ^2/NDF : 660432.1/33

Out: 12.257 ± 0.019 χ^2/NDF : 882848.9/36

All: 12.356 ± 0.013 χ^2/NDF : 1543336.9/70

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -231.601+/-1.346 χ^2/NDF :841.2/17

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

Left In: -235.003+/-1.358 χ^2/NDF :824.0/16

Left: -233.287+/-0.956 χ^2/NDF : 1668.4/34

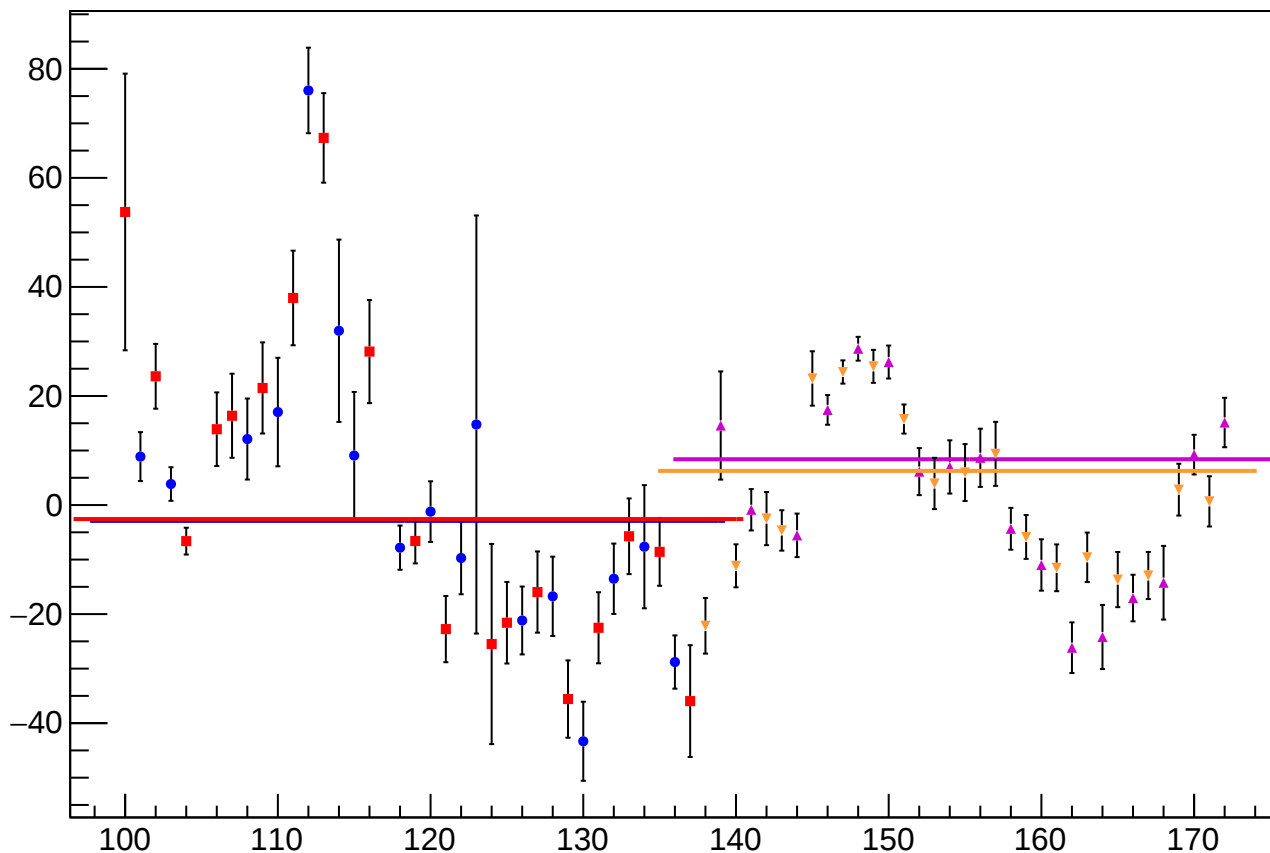
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -235.003+/-1.358 χ^2/NDF :824.0/16

Out: -231.601+/-1.346 χ^2/NDF :841.2/17

All: -233.287+/-0.956 χ^2/NDF : 1668.4/34

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901 ± 1.467 χ^2/NDF : 203.6/16

Left Out: 6.265 ± 0.917 χ^2/NDF : 275.6/17

Right Out: -2.570 ± 1.396 χ^2/NDF : 218.2/18

Left In: 8.401 ± 0.946 χ^2/NDF : 313.8/16

Left: 7.300 ± 0.659 χ^2/NDF : 592.0/34

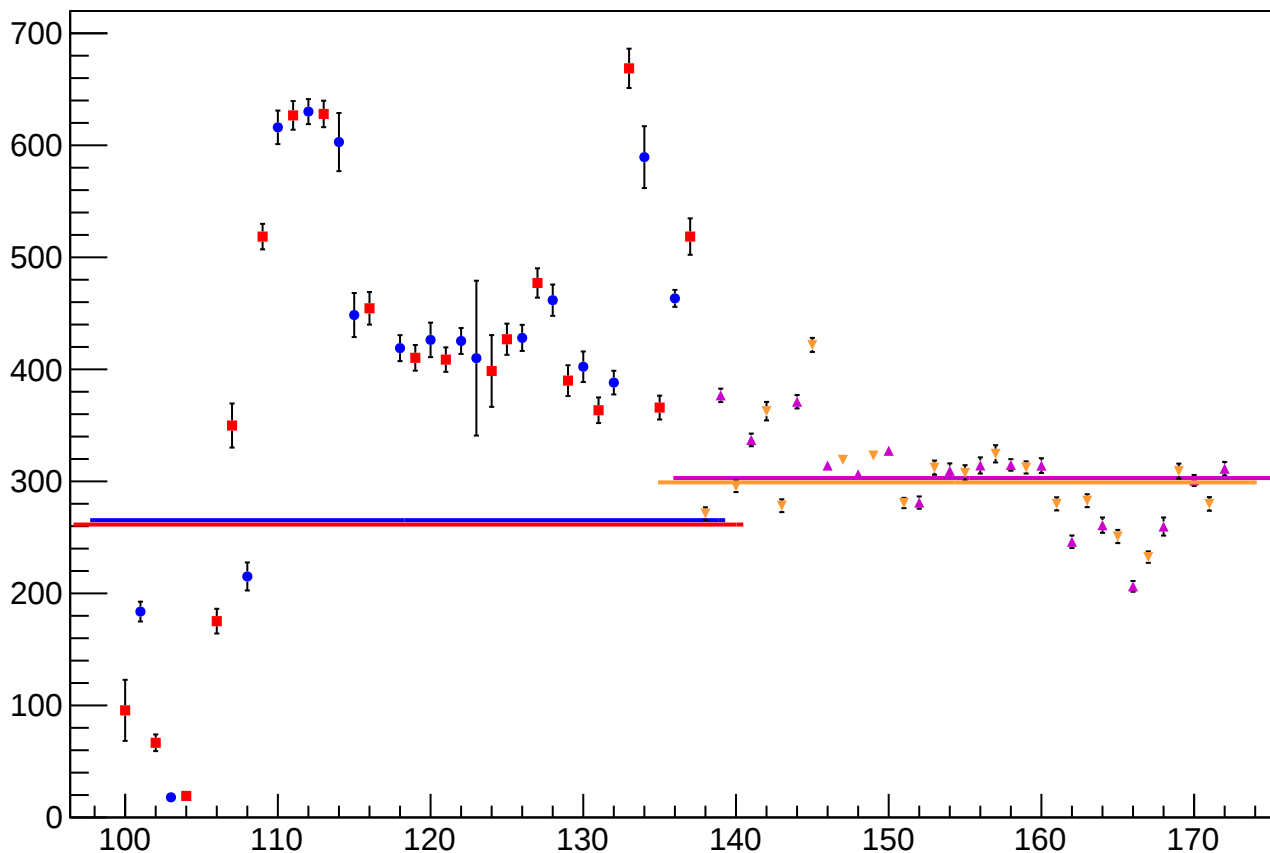
Right: -2.728 ± 1.011 χ^2/NDF : 421.8/35

In: 5.080 ± 0.795 χ^2/NDF : 559.3/33

Out: 3.601 ± 0.767 χ^2/NDF : 521.8/36

All: 4.313 ± 0.552 χ^2/NDF : 1082.8/70

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 265.369+/-2.488 χ^2/NDF : 7633.8/16

Left Out: 299.109+/-1.328 χ^2/NDF : 836.1/17

Right Out: 261.465+/-2.458 χ^2/NDF : 8204.3/18

Left In: 302.985+/-1.330 χ^2/NDF : 962.1/16

Left: 301.044+/-0.940 χ^2/NDF : 1802.5/34

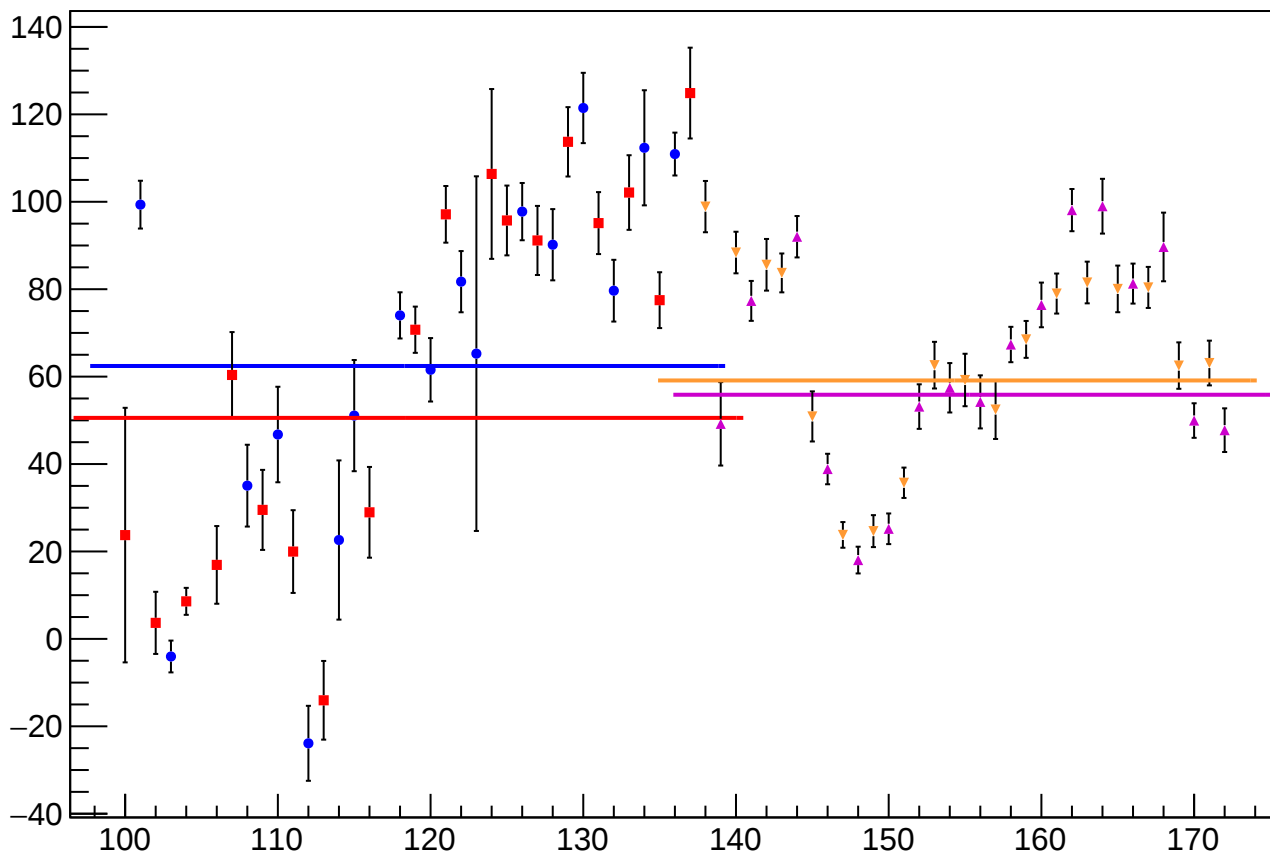
Right: 263.393+/-1.749 χ^2/NDF : 15839.3/35

In: 294.626+/-1.173 χ^2/NDF : 8773.7/33

Out: 290.605+/-1.168 χ^2/NDF : 9221.9/36

All: 292.607+/-0.828 χ^2/NDF : 18001.6/70

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: 59.123+/-1.089 χ^2/NDF : 499.8/17

Right Out: 50.560+/-1.642 χ^2/NDF : 657.4/18

Left In: 55.854+/-1.113 χ^2/NDF : 536.8/16

Left: 57.525+/-0.779 χ^2/NDF : 1041.0/34

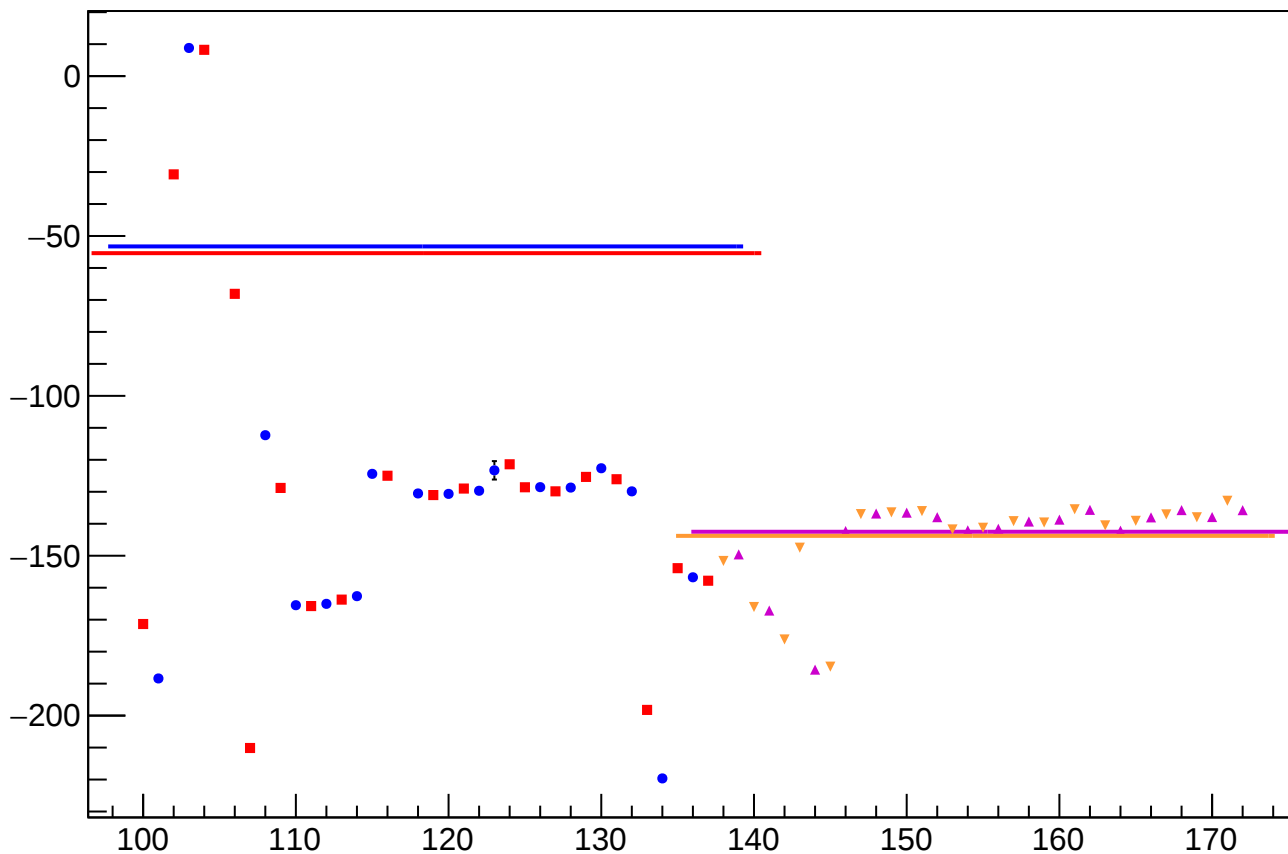
Right: 56.313+/-1.179 χ^2/NDF : 1404.5/35

In: 57.839+/-0.930 χ^2/NDF : 1269.1/33

Out: 56.508+/-0.908 χ^2/NDF : 1176.0/36

All: 57.157+/-0.650 χ^2/NDF : 2446.1/70

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -53.264 $\pm$ 0.070 χ^2 /NDF: 1225492.9/16

Left Out: -143.786 $\pm$ 0.053 χ^2 /NDF: 59276.4/17

Right Out: -55.373 $\pm$ 0.072 χ^2 /NDF: 967027.2/18

Left In: -142.507 $\pm$ 0.053 χ^2 /NDF: 46329.5/16

Left: -143.142 $\pm$ 0.037 χ^2 /NDF: 105900.2/34

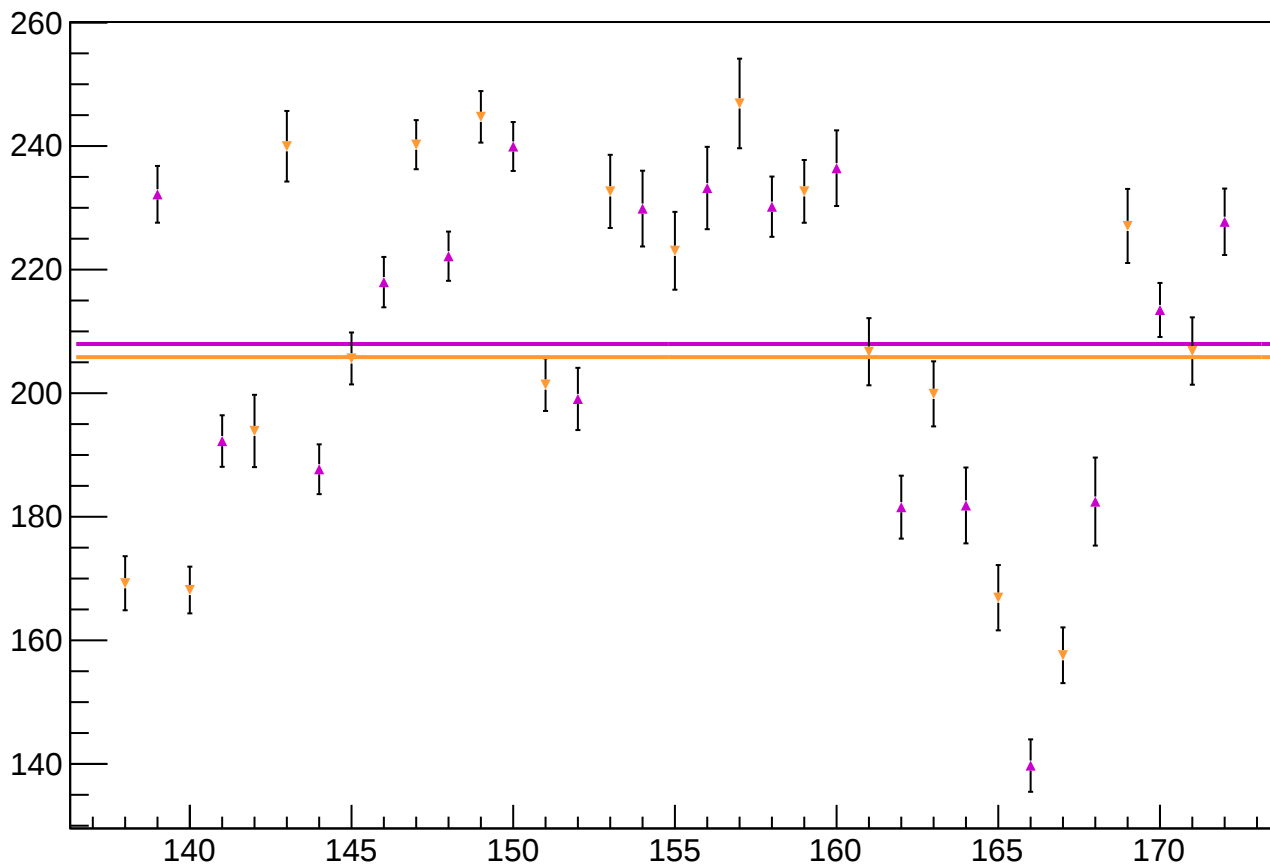
Right: -54.295 $\pm$ 0.050 χ^2 /NDF: 2192958.9/35

In: -110.559 $\pm$ 0.042 χ^2 /NDF: 2303165.3/33

Out: -112.768 $\pm$ 0.043 χ^2 /NDF: 2006532.3/36

All: -111.651 $\pm$ 0.030 χ^2 /NDF: 4311056.7/70

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 205.838+/-1.161 χ^2/NDF : 642.6/17

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

Left In: 207.961+/-1.164 χ^2/NDF : 555.4/16

Left: 206.896+/-0.822 χ^2/NDF : 1199.6/34

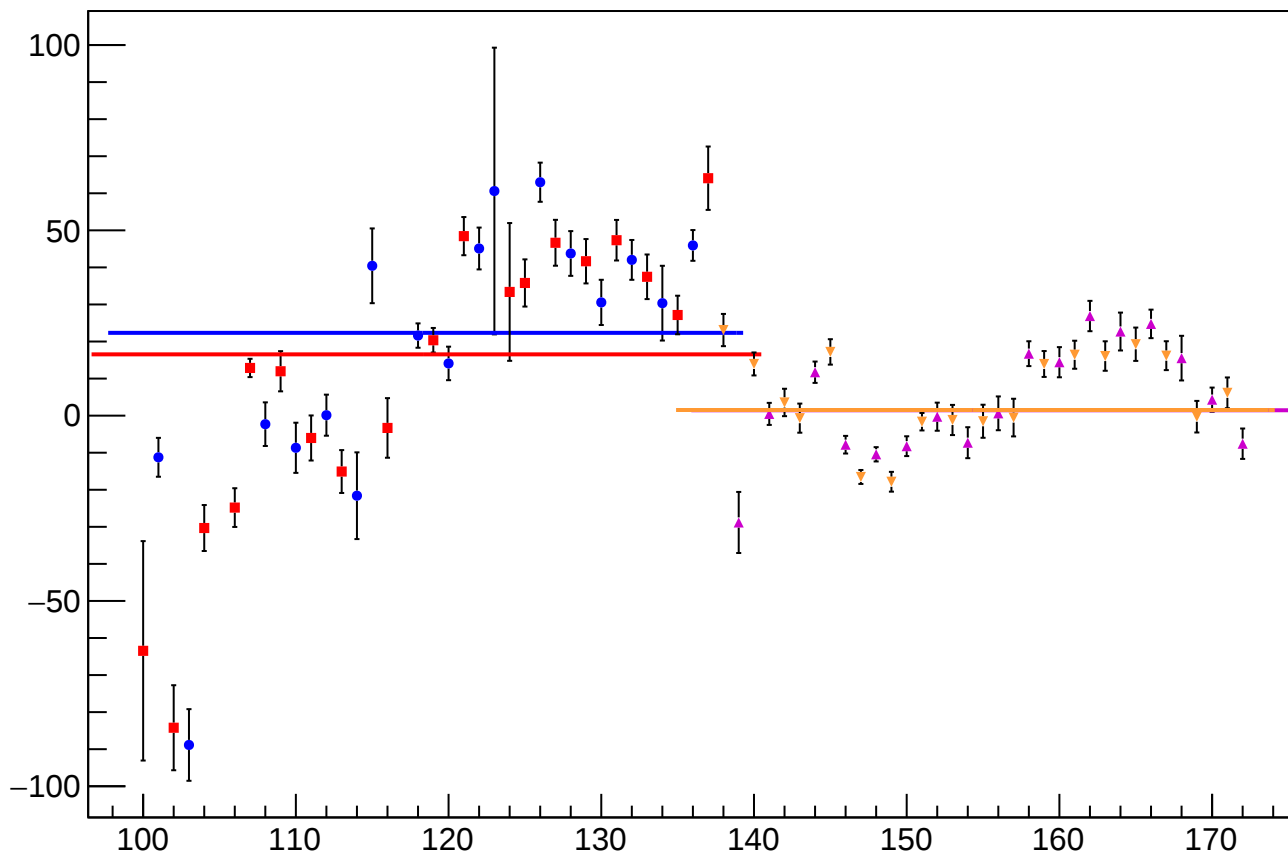
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 207.961+/-1.164 χ^2/NDF : 555.4/16

Out: 205.838+/-1.161 χ^2/NDF : 642.6/17

All: 206.896+/-0.822 χ^2/NDF : 1199.6/34

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 22.342 $\pm$ 1.395 χ^2 /NDF: 385.8/16

Left Out: 1.522 $\pm$ 0.797 χ^2 /NDF:282.3/17

Right Out: 16.537 $\pm$ 1.227 χ^2 /NDF: 426.6/18

Left In: 1.454 $\pm$ 0.815 χ^2 /NDF:231.8/16

Left: 1.489 $\pm$ 0.570 χ^2 /NDF: 514.2/34

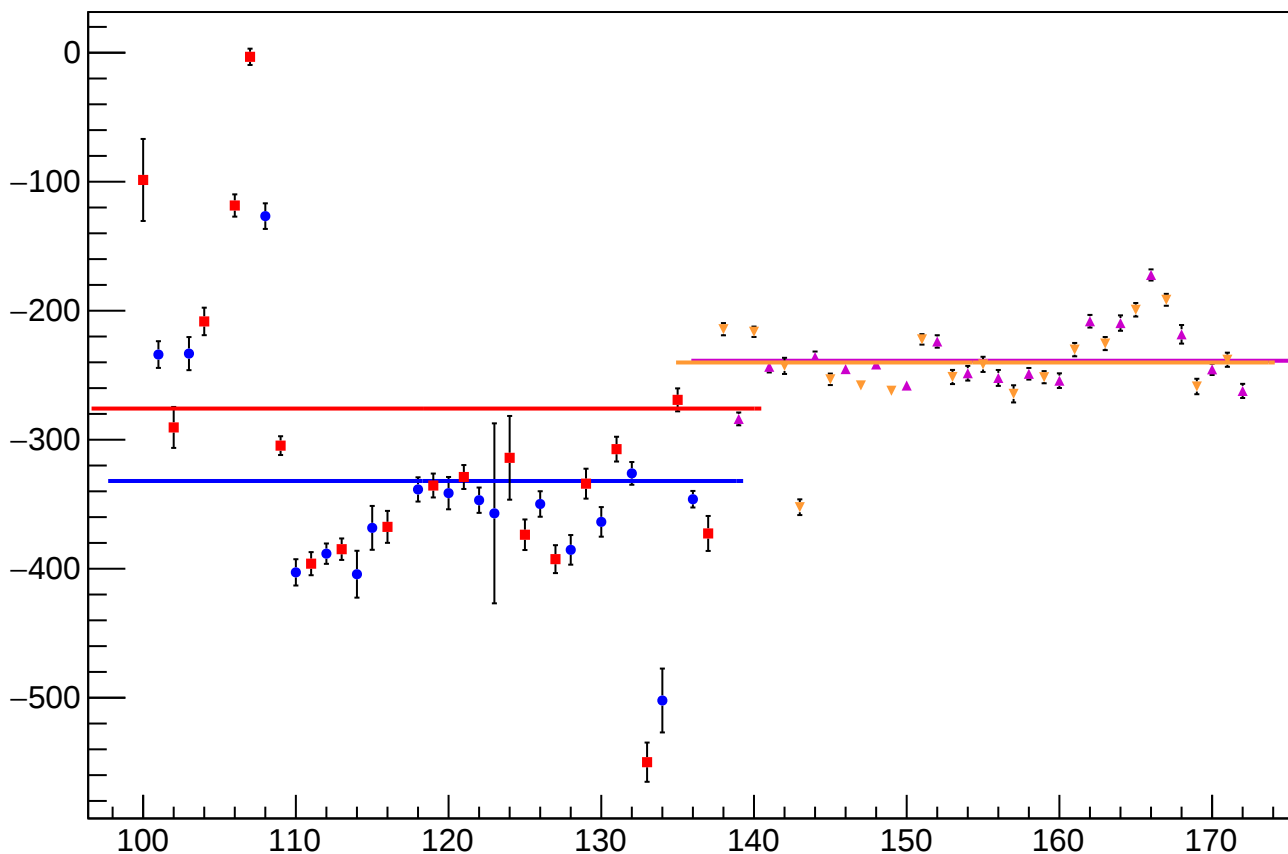
Right: 19.069 $\pm$ 0.922 χ^2 /NDF: 822.2/35

In: 6.770 $\pm$ 0.704 χ^2 /NDF:784.8/33

Out: 5.974 $\pm$ 0.668 χ^2 /NDF:814.2/36

All: 6.351 $\pm$ 0.485 χ^2 /NDF: 1599.6/70

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -331.989 ± 2.580 $\chi^2/\text{NDF}: 785.0/16$

Left Out: -240.131 ± 1.149 $\chi^2/\text{NDF}: 702.3/17$

Right Out: -275.842 ± 2.325 $\chi^2/\text{NDF}: 3362.2/18$

Left In: -238.778 ± 1.145 $\chi^2/\text{NDF}: 471.8/16$

Left: -239.452 ± 0.811 $\chi^2/\text{NDF}: 1174.8/34$

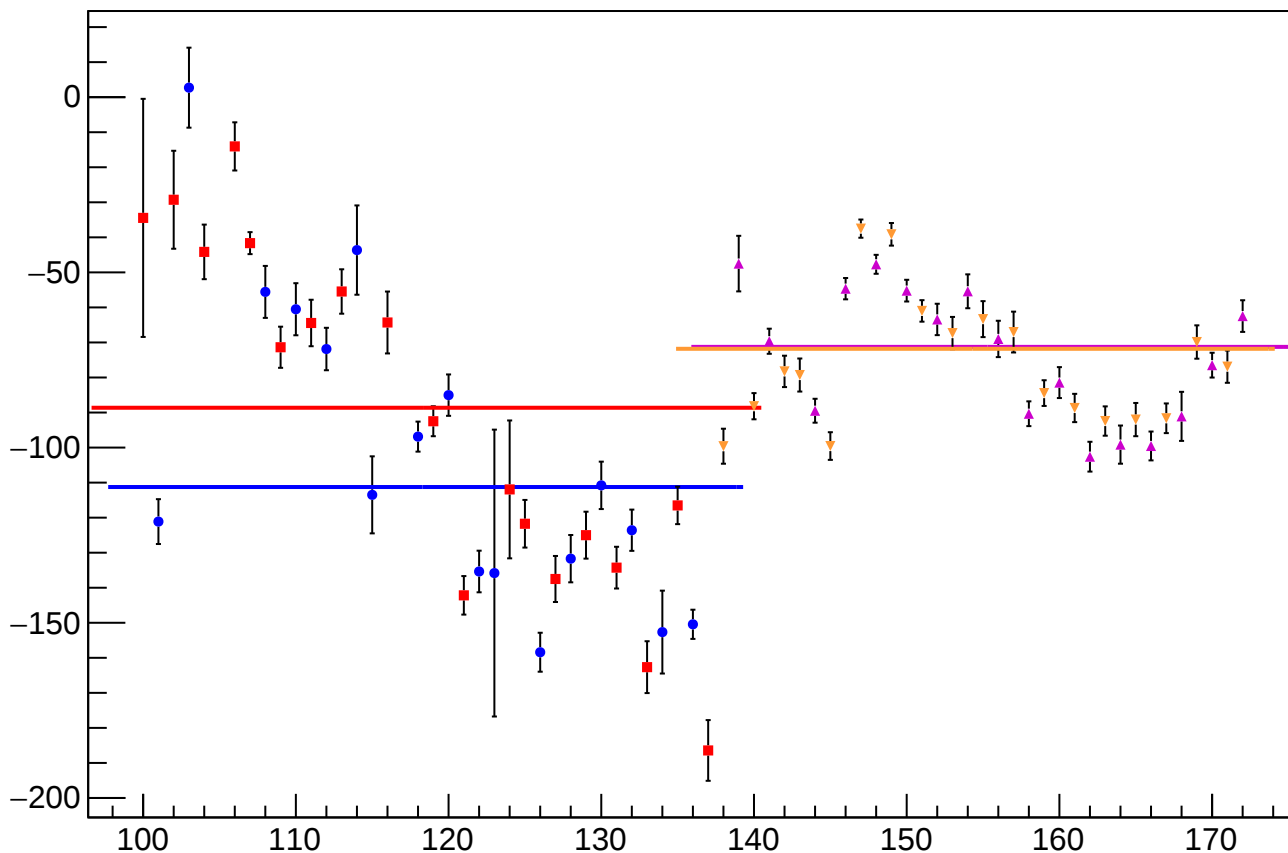
Right: -300.997 ± 1.727 $\chi^2/\text{NDF}: 4408.6/35$

In: -254.103 ± 1.046 $\chi^2/\text{NDF}: 2347.2/33$

Out: -247.140 ± 1.030 $\chi^2/\text{NDF}: 4254.3/36$

All: -250.567 ± 0.734 $\chi^2/\text{NDF}: 6624.0/70$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -111.257 ± 1.597 χ^2/NDF : 509.6/16

Left Out: -71.809 ± 0.945 χ^2/NDF : 492.9/17

Right Out: -88.633 ± 1.433 χ^2/NDF : 971.0/18

Left In: -71.260 ± 0.959 χ^2/NDF : 360.6/16

Left: -71.538 ± 0.673 χ^2/NDF : 853.7/34

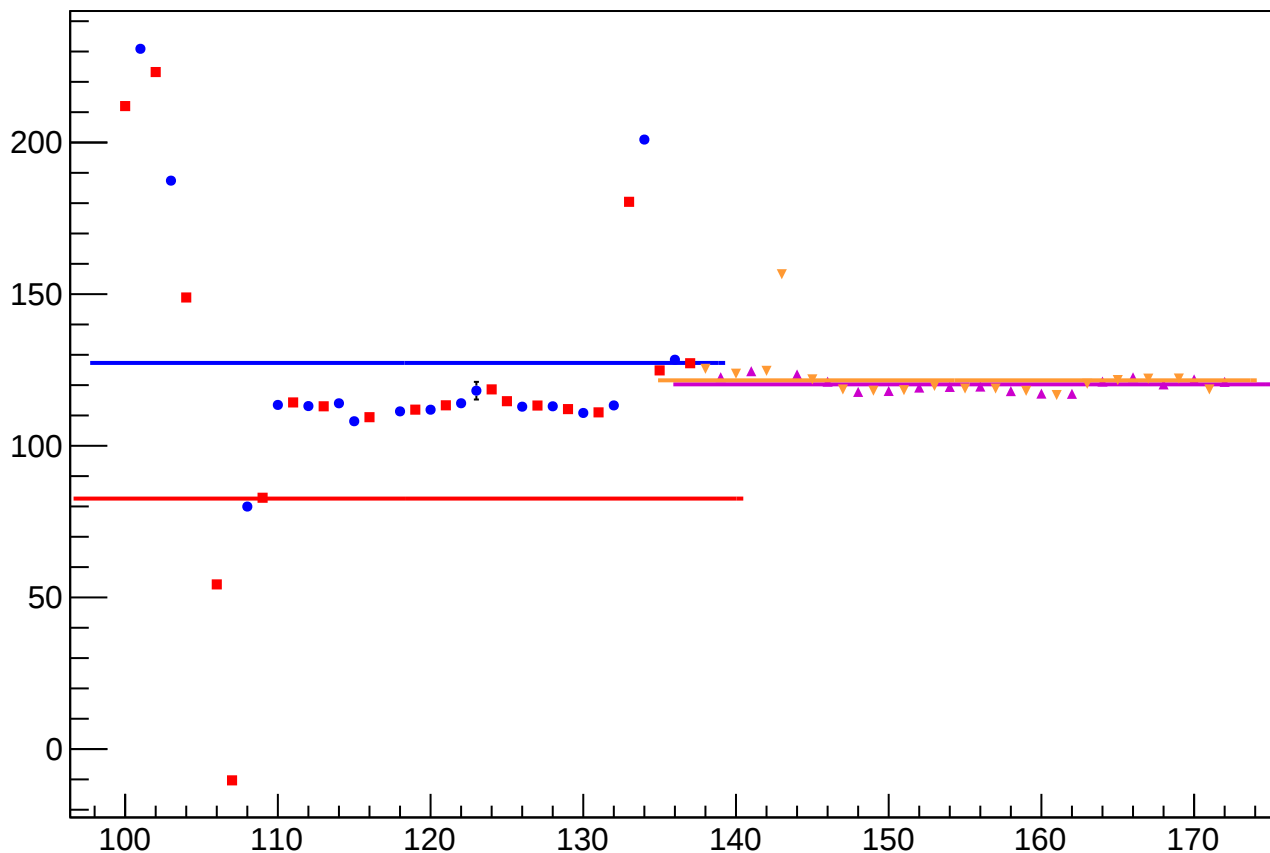
Right: -98.723 ± 1.067 χ^2/NDF : 1591.7/35

In: -81.856 ± 0.822 χ^2/NDF : 1331.2/33

Out: -76.908 ± 0.789 χ^2/NDF : 1559.9/36

All: -79.280 ± 0.569 χ^2/NDF : 2909.9/70

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 127.323+/-0.089 χ^2/NDF : 187776.4/16

Left Out: 121.585+/-0.046 χ^2/NDF : 23933.3/17

Right Out: 82.595+/-0.075 χ^2/NDF : 765022.5/18

Left In: 120.264+/-0.045 χ^2/NDF : 2532.5/16

Left: 120.918+/-0.032 χ^2/NDF : 26887.0/34

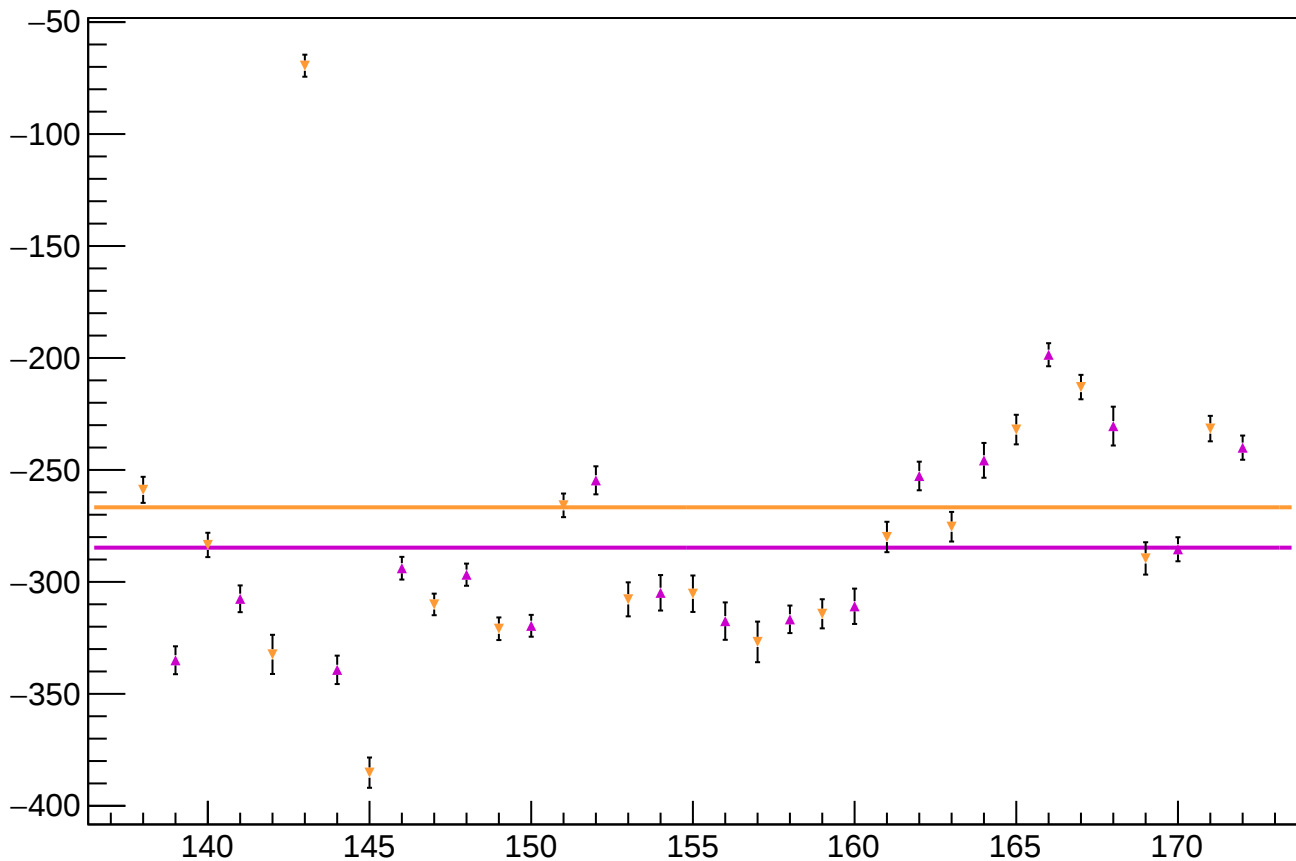
Right: 101.169+/-0.058 χ^2/NDF : 1099026.8/35

In: 121.704+/-0.040 χ^2/NDF : 195266.7/33

Out: 111.088+/-0.039 χ^2/NDF : 984496.5/36

All: 116.223+/-0.028 χ^2/NDF : 1215405.9/70

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -266.690+/-1.448 χ^2/NDF :2503.0/17

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

Left In: -284.706+/-1.475 χ^2/NDF :734.4/16

Left: -275.529+/-1.033 χ^2/NDF : 3313.4/34

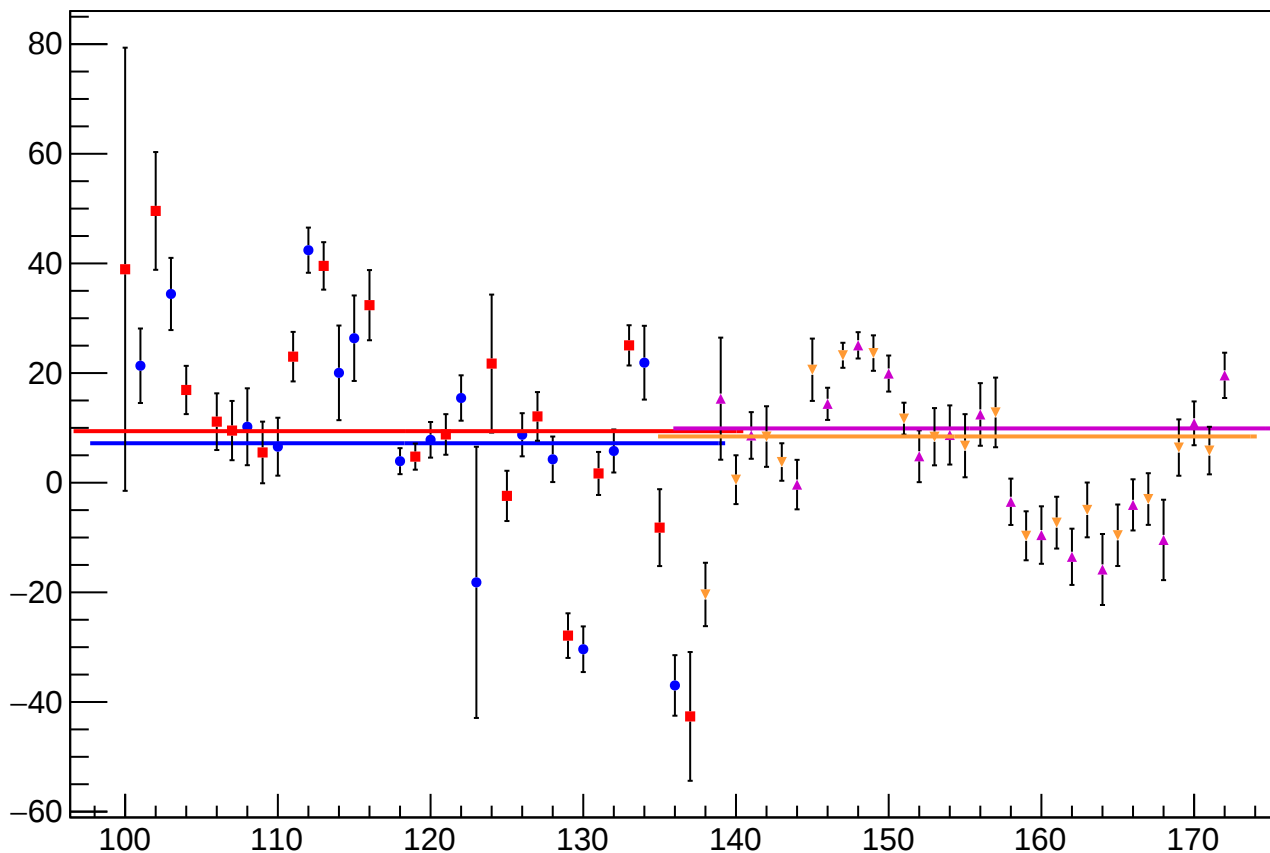
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -284.706+/-1.475 χ^2/NDF :734.4/16

Out: -266.690+/-1.448 χ^2/NDF :2503.0/17

All: -275.529+/-1.033 χ^2/NDF : 3313.4/34

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 7.199 ± 1.103 χ^2/NDF : 260.9/16

Left Out: 8.437 ± 0.986 χ^2/NDF : 151.8/17

Right Out: 9.403 ± 1.071 χ^2/NDF : 232.2/18

Left In: 9.903 ± 1.029 χ^2/NDF : 140.9/16

Left: 9.139 ± 0.712 χ^2/NDF : 293.8/34

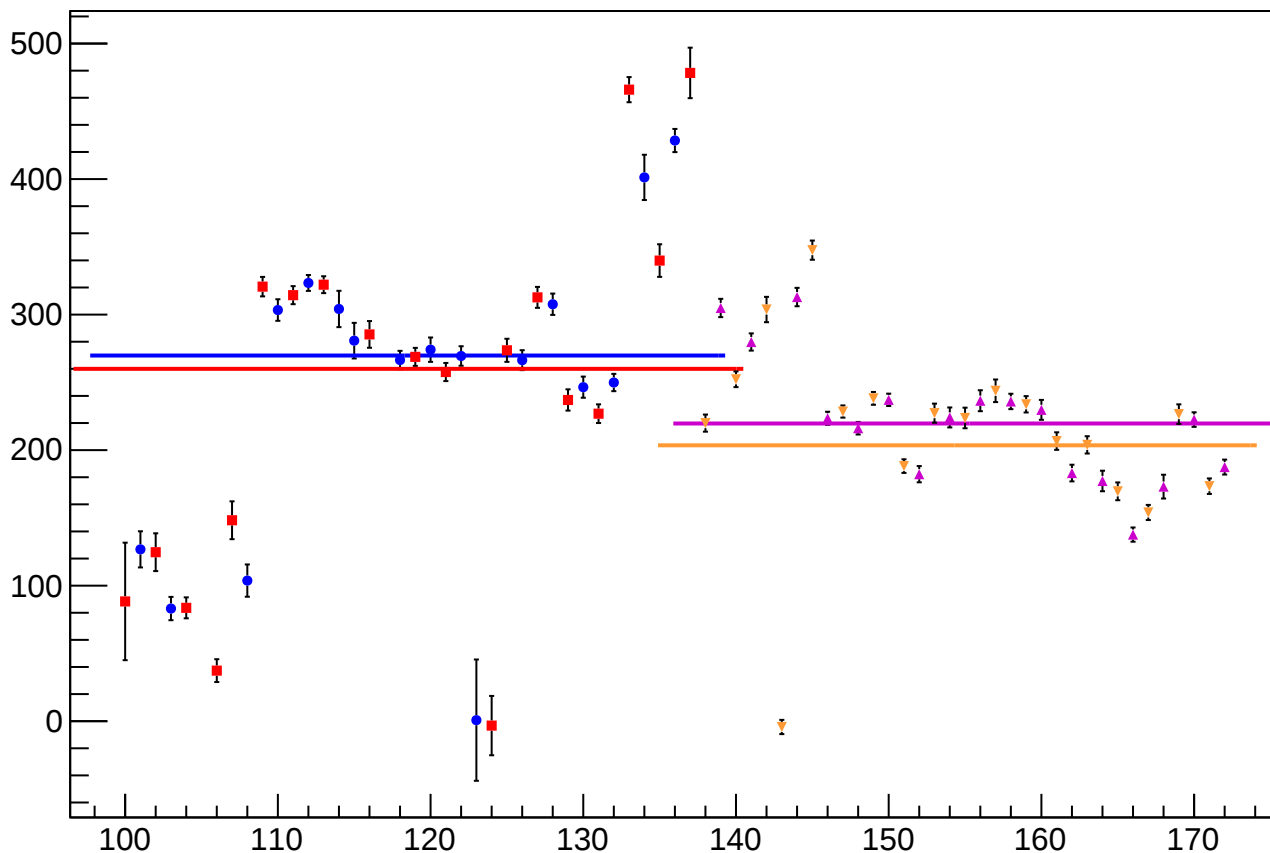
Right: 8.333 ± 0.768 χ^2/NDF : 495.1/35

In: 8.645 ± 0.752 χ^2/NDF : 405.0/33

Out: 8.880 ± 0.725 χ^2/NDF : 384.4/36

All: 8.767 ± 0.522 χ^2/NDF : 789.4/70

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 269.806 $\pm$ 2.089 χ^2 /NDF: 1374.1/16

Left Out: 203.554 $\pm$ 1.430 χ^2 /NDF:2473.7/17

Right Out: 259.980 $\pm$ 1.977 χ^2 /NDF: 2538.6/18

Left In: 219.656 $\pm$ 1.445 χ^2 /NDF:880.6/16

Left: 211.518 $\pm$ 1.016 χ^2 /NDF: 3417.0/34

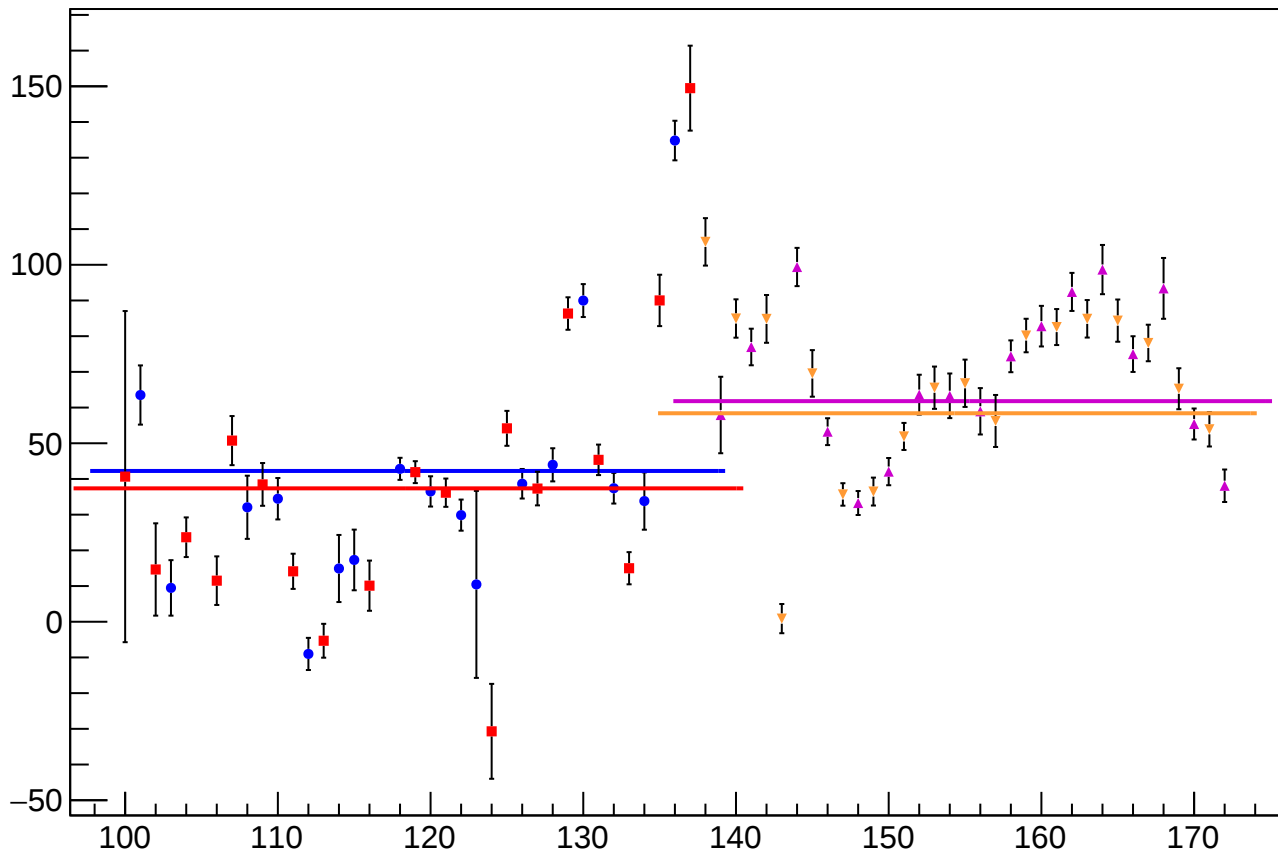
Right: 264.622 $\pm$ 1.436 χ^2 /NDF: 3924.4/35

In: 235.890 $\pm$ 1.189 χ^2 /NDF:2644.4/33

Out: 222.933 $\pm$ 1.159 χ^2 /NDF:5547.2/36

All: 229.246 $\pm$ 0.830 χ^2 /NDF: 8252.6/70

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.242 $\pm$ 1.274 χ^2 /NDF: 574.4/16

Left Out: 58.404 $\pm$ 1.170 χ^2 /NDF:488.8/17

Right Out: 37.367 $\pm$ 1.235 χ^2 /NDF: 472.3/18

Left In: 61.802 $\pm$ 1.209 χ^2 /NDF:295.7/16

Left: 60.047 $\pm$ 0.841 χ^2 /NDF: 788.6/34

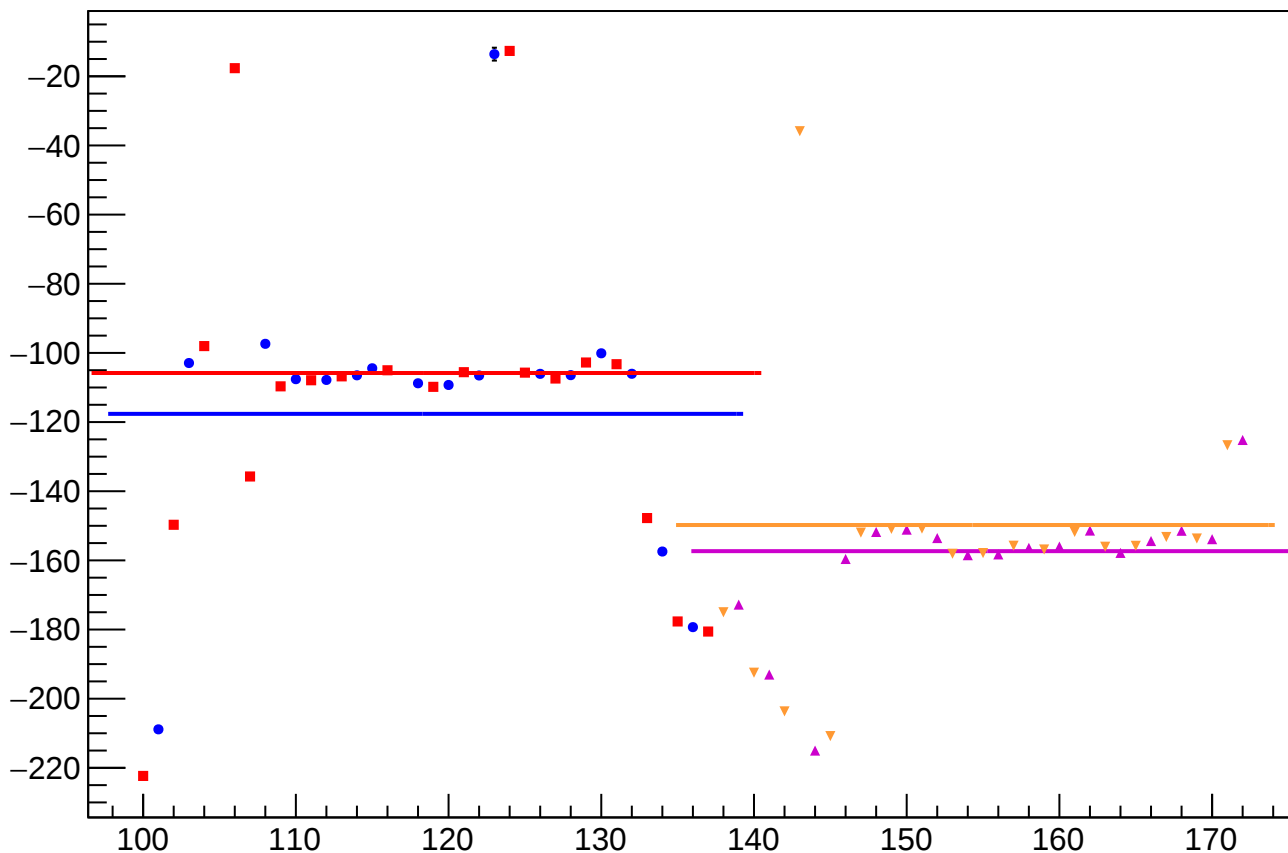
Right: 39.728 $\pm$ 0.886 χ^2 /NDF: 1054.2/35

In: 52.527 $\pm$ 0.877 χ^2 /NDF:994.1/33

Out: 48.446 $\pm$ 0.849 χ^2 /NDF:1114.1/36

All: 50.421 $\pm$ 0.610 χ^2 /NDF: 2119.3/70

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -117.625 ± 0.079 χ^2/NDF : 141872.3/16

Left Out: -149.773 ± 0.057 χ^2/NDF : 418057.8/17

Right Out: -105.807 ± 0.073 χ^2/NDF : 323108.1/18

Left In: -157.332 ± 0.057 χ^2/NDF : 91762.4/16

Left: -153.542 ± 0.040 χ^2/NDF : 518629.9/34

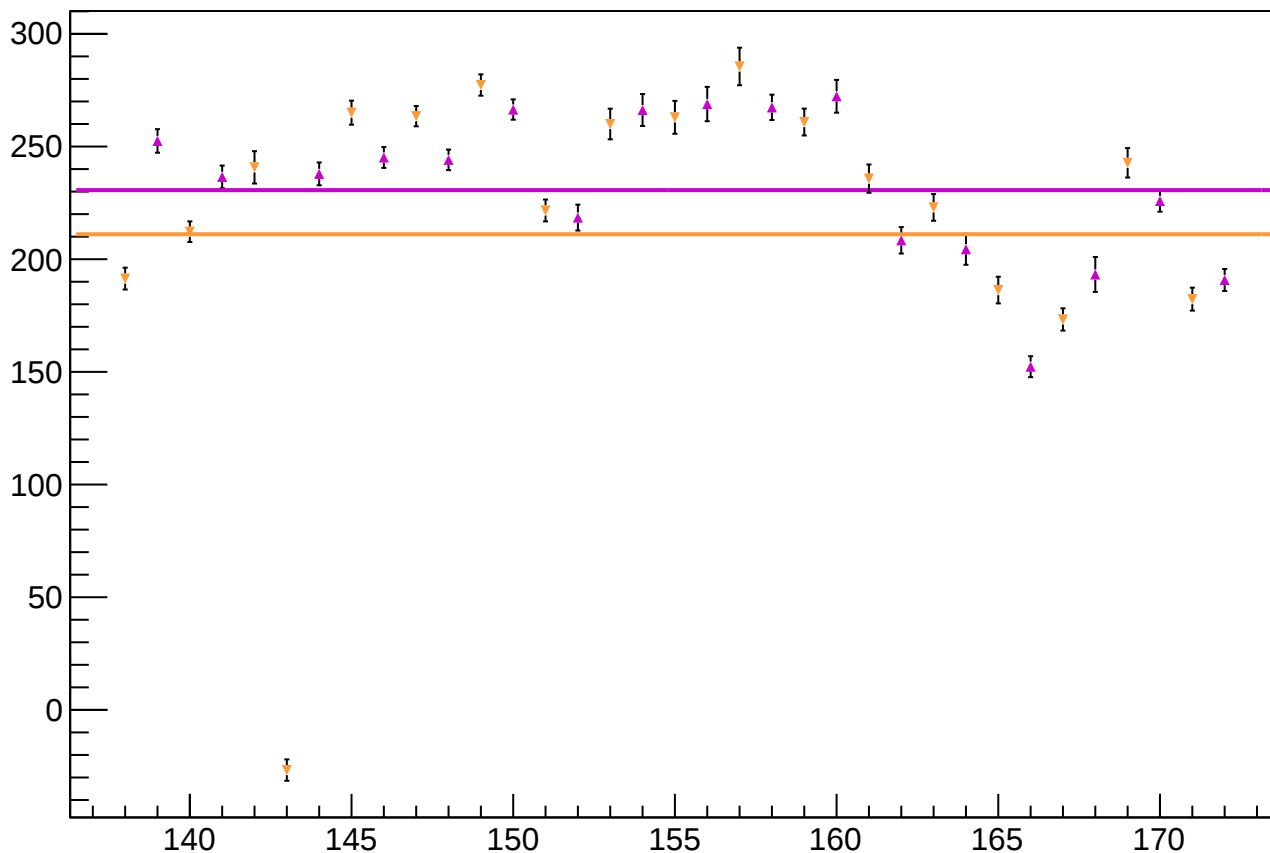
Right: -111.270 ± 0.053 χ^2/NDF : 477157.6/35

In: -143.622 ± 0.046 χ^2/NDF : 401032.2/33

Out: -133.116 ± 0.045 χ^2/NDF : 967624.7/36

All: -138.216 ± 0.032 χ^2/NDF : 1395334.6/70

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 211.089 $\pm$ 1.298 χ^2/NDF :3376.3/17

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

Left In: 230.661 $\pm$ 1.318 χ^2/NDF :637.1/16

Left: 220.724 $\pm$ 0.925 χ^2/NDF : 4125.4/34

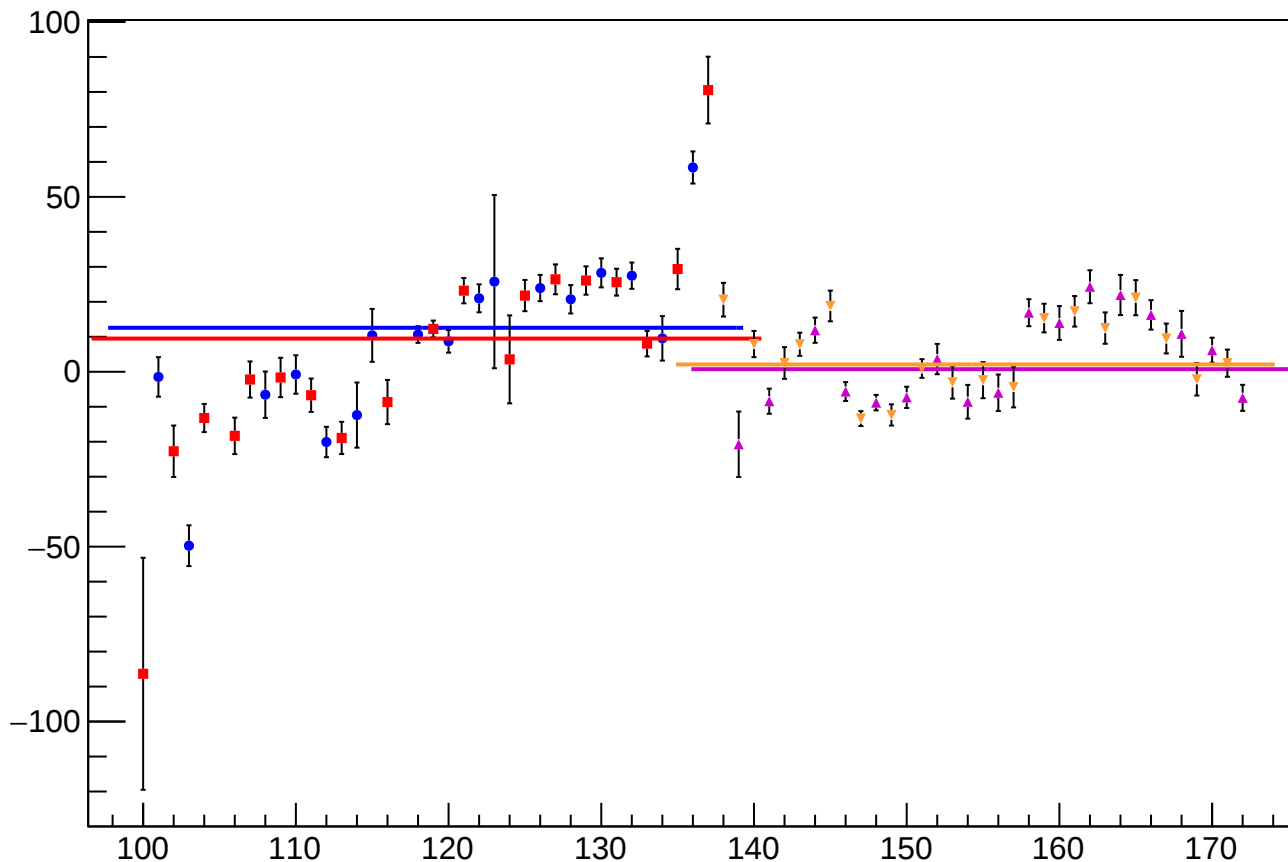
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 230.661 $\pm$ 1.318 χ^2/NDF :637.1/16

Out: 211.089 $\pm$ 1.298 χ^2/NDF :3376.3/17

All: 220.724 $\pm$ 0.925 χ^2/NDF : 4125.4/34

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 12.574+/-1.074 χ^2/NDF : 348.0/16

Left Out: 2.095+/-0.892 χ^2/NDF :159.8/17

Right Out: 9.493+/-1.047 χ^2/NDF : 295.8/18

Left In: 0.738+/-0.927 χ^2/NDF :145.3/16

Left: 1.442+/-0.643 χ^2/NDF : 306.2/34

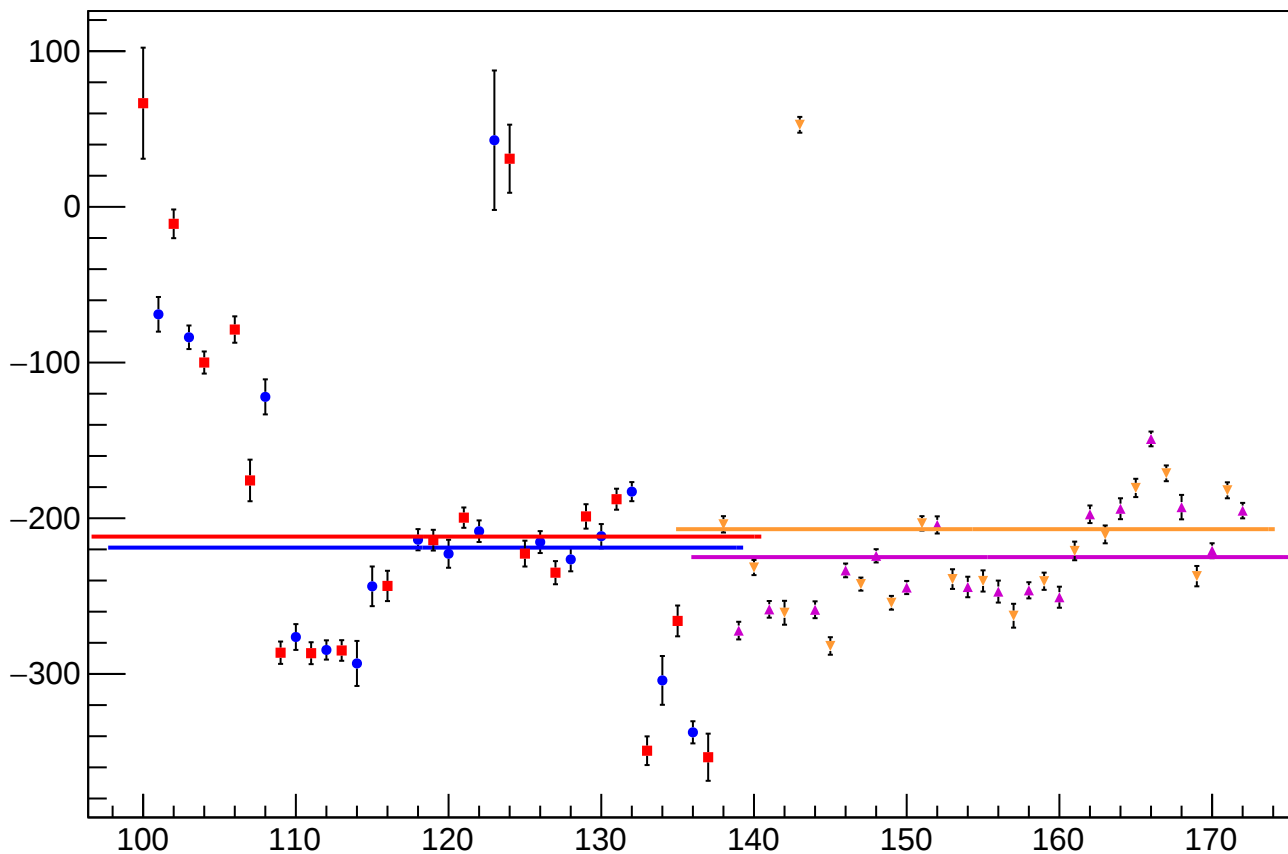
Right: 10.995+/-0.750 χ^2/NDF : 648.0/35

In: 5.789+/-0.702 χ^2/NDF :562.9/33

Out: 5.206+/-0.679 χ^2/NDF :484.5/36

All: 5.488+/-0.488 χ^2/NDF : 1047.8/70

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -218.855 ± 2.023 $\chi^2/\text{NDF}: 1146.6/16$

Left Out: -207.013 ± 1.286 $\chi^2/\text{NDF}: 3316.3/17$

Right Out: -211.780 ± 1.924 $\chi^2/\text{NDF}: 1885.2/18$

Left In: -224.952 ± 1.296 $\chi^2/\text{NDF}: 592.3/16$

Left: -215.916 ± 0.913 $\chi^2/\text{NDF}: 4005.1/34$

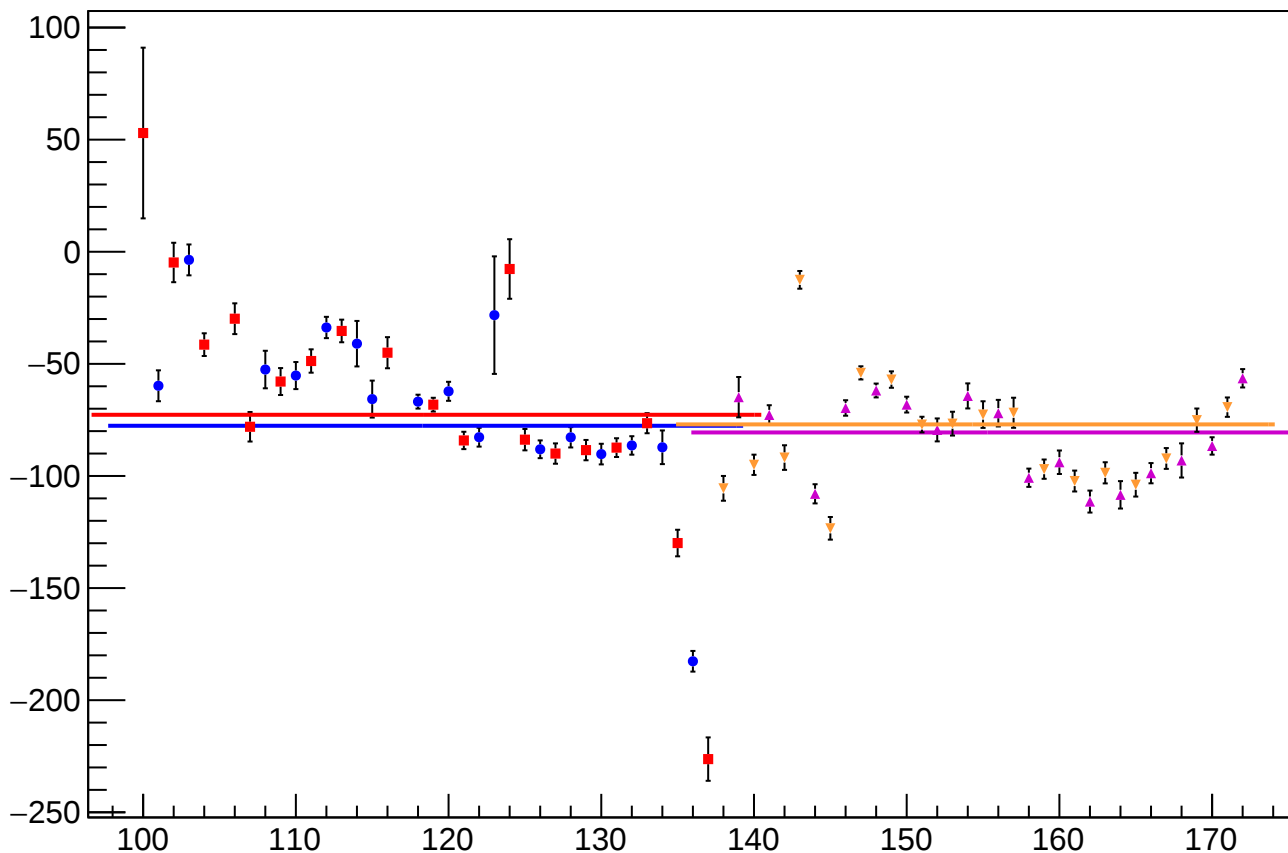
Right: -215.141 ± 1.394 $\chi^2/\text{NDF}: 3038.2/35$

In: -223.178 ± 1.091 $\chi^2/\text{NDF}: 1745.3/33$

Out: -208.485 ± 1.069 $\chi^2/\text{NDF}: 5205.7/36$

All: -215.683 ± 0.764 $\chi^2/\text{NDF}: 7043.5/70$

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: -76.998 ± 1.057 χ^2/NDF : 603.9/17

Right Out: -72.710 ± 1.206 χ^2/NDF : 671.4/18

Left In: -80.590 ± 1.087 χ^2/NDF : 264.4/16

Left: -78.744 ± 0.758 χ^2/NDF : 873.9/34

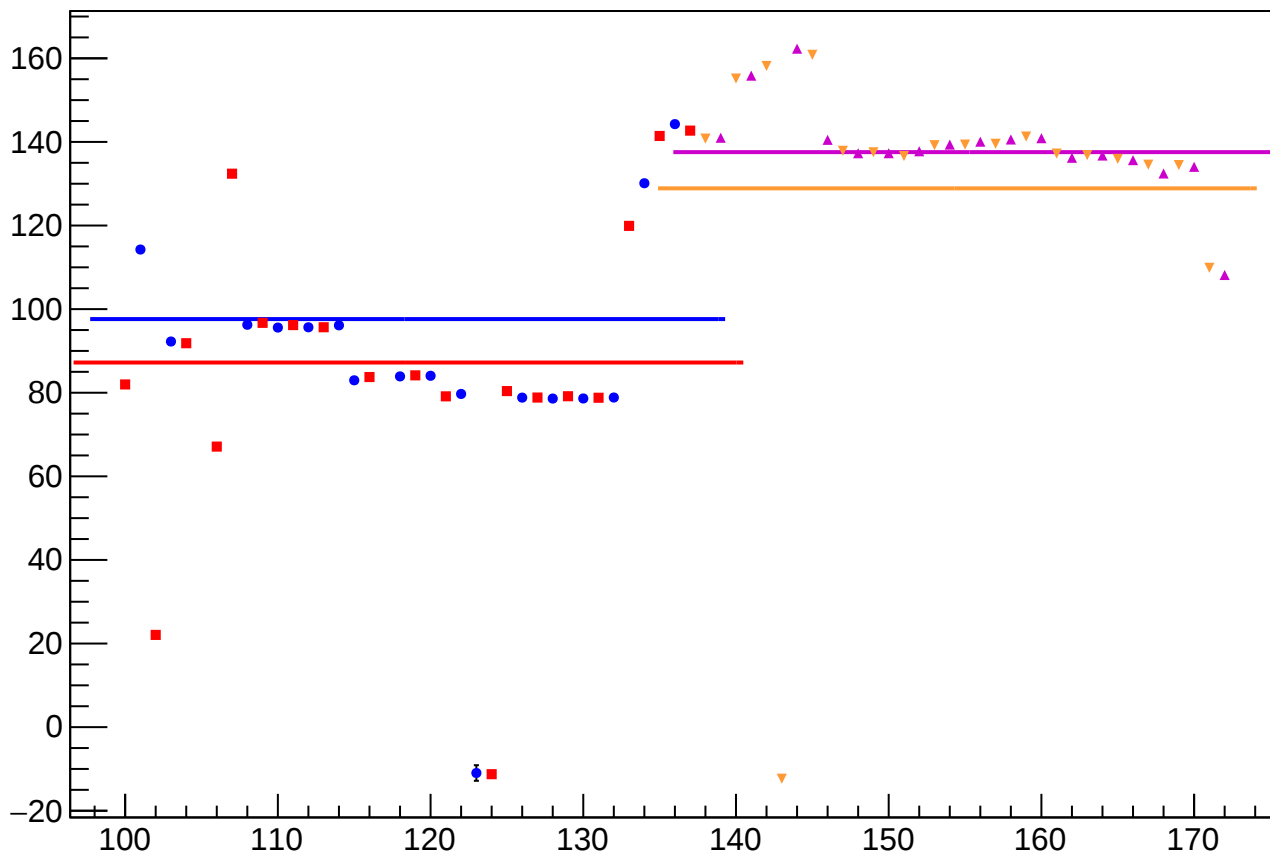
Right: -75.100 ± 0.863 χ^2/NDF : 1495.4/35

In: -79.291 ± 0.817 χ^2/NDF : 1083.5/33

Out: -75.135 ± 0.795 χ^2/NDF : 1282.5/36

All: -77.158 ± 0.570 χ^2/NDF : 2379.3/70

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 97.620 $\pm$ 0.074 χ^2 /NDF: 94045.2/16

Left Out: 128.895 $\pm$ 0.051 χ^2 /NDF: 562758.3/17

Right Out: 87.226 $\pm$ 0.068 χ^2 /NDF: 220850.5/18

Left In: 137.559 $\pm$ 0.051 χ^2 /NDF: 47874.5/16

Left: 133.228 $\pm$ 0.036 χ^2 /NDF: 625007.3/34

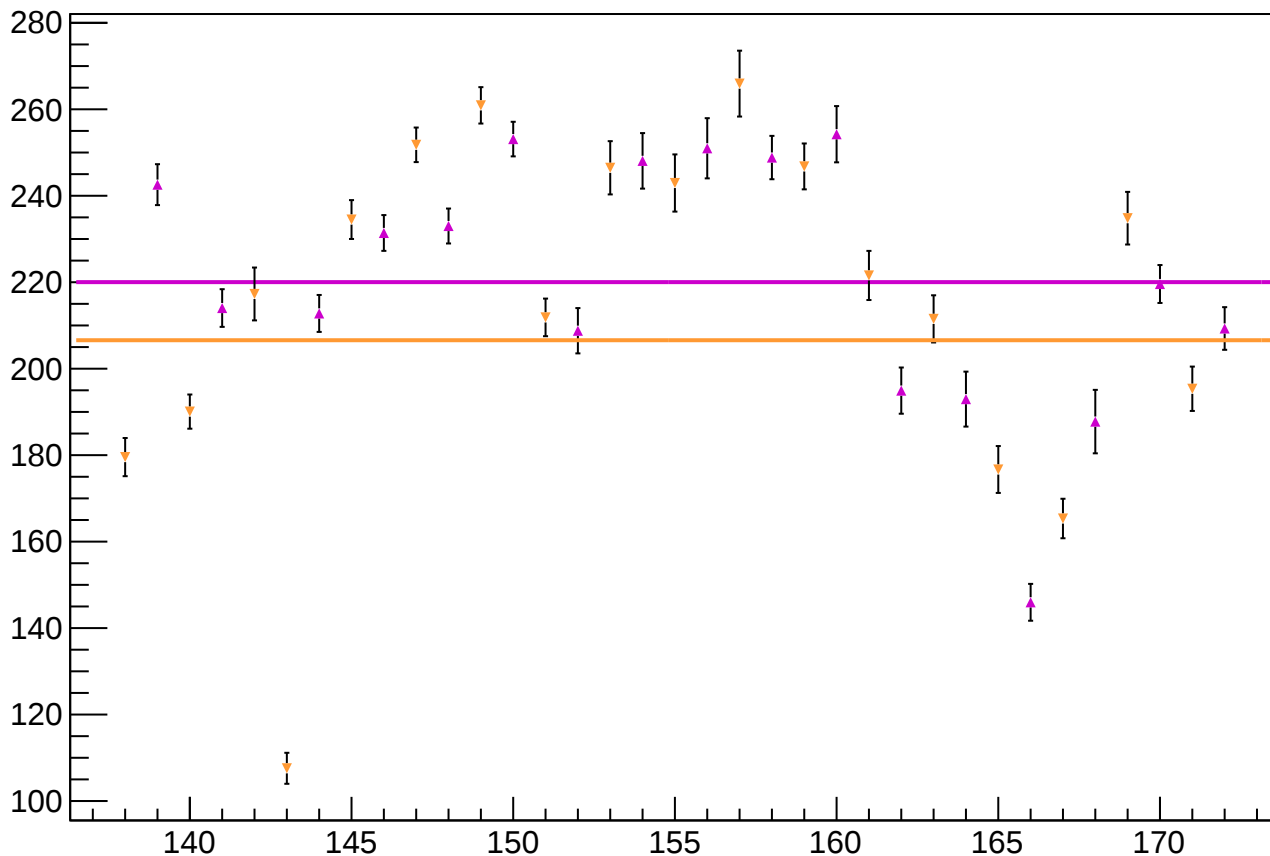
Right: 92.025 $\pm$ 0.050 χ^2 /NDF: 325598.1/35

In: 124.597 $\pm$ 0.042 χ^2 /NDF: 340219.7/33

Out: 113.933 $\pm$ 0.041 χ^2 /NDF: 1022387.7/36

All: 119.125 $\pm$ 0.029 χ^2 /NDF: 1395696.6/70

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 206.584 $\pm$ 1.151 χ^2/NDF :1491.5/17

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

Left In: 220.023 $\pm$ 1.191 χ^2/NDF :583.9/16

Left: 213.077 $\pm$ 0.828 χ^2/NDF : 2141.3/34

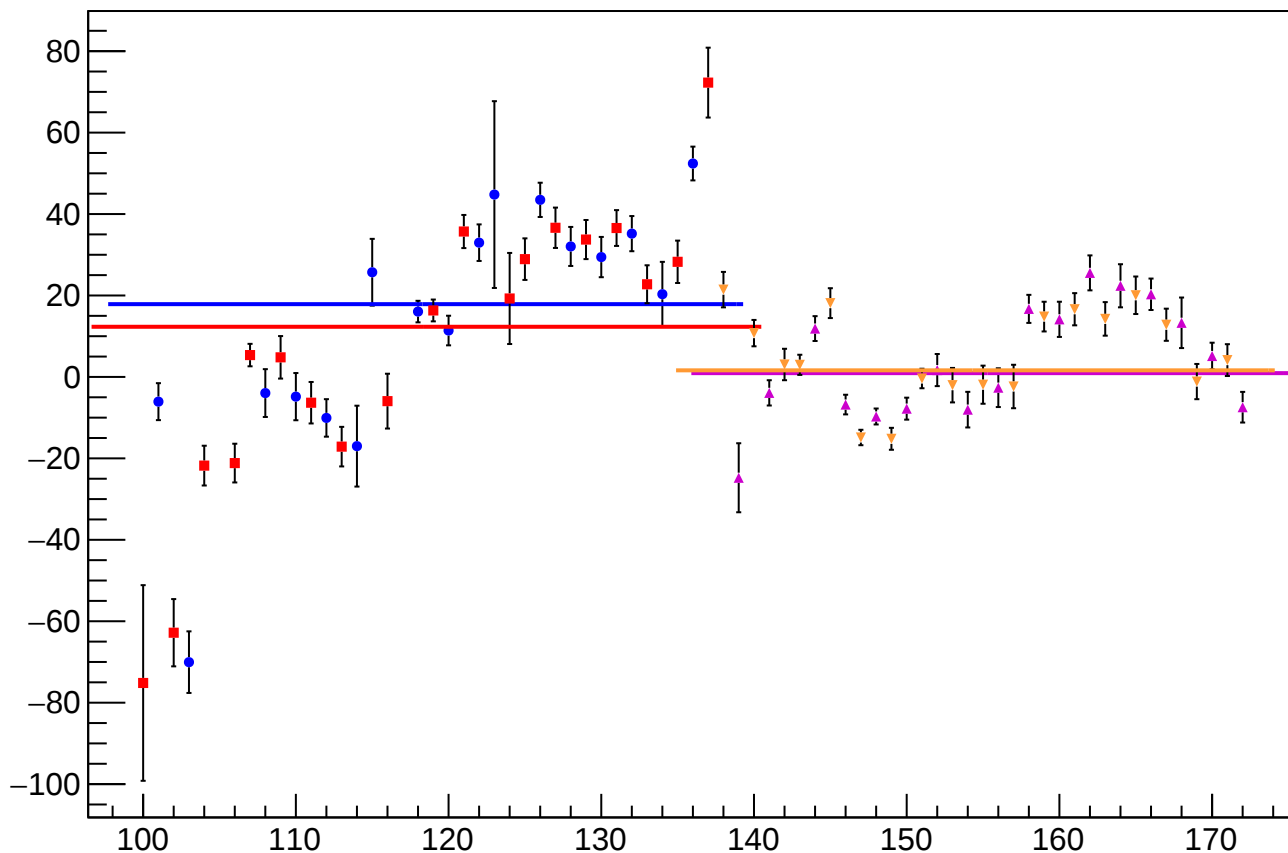
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

In: 220.023 $\pm$ 1.191 χ^2/NDF :583.9/16

Out: 206.584 $\pm$ 1.151 χ^2/NDF :1491.5/17

All: 213.077 $\pm$ 0.828 χ^2/NDF : 2141.3/34

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 17.872 $\pm$ 1.166 χ^2 /NDF: 395.3/16

Left Out: 1.618 $\pm$ 0.789 χ^2 /NDF:228.5/17

Right Out: 12.317 $\pm$ 1.083 χ^2 /NDF: 444.0/18

Left In: 0.931 $\pm$ 0.833 χ^2 /NDF:194.9/16

Left: 1.293 $\pm$ 0.573 χ^2 /NDF: 423.8/34

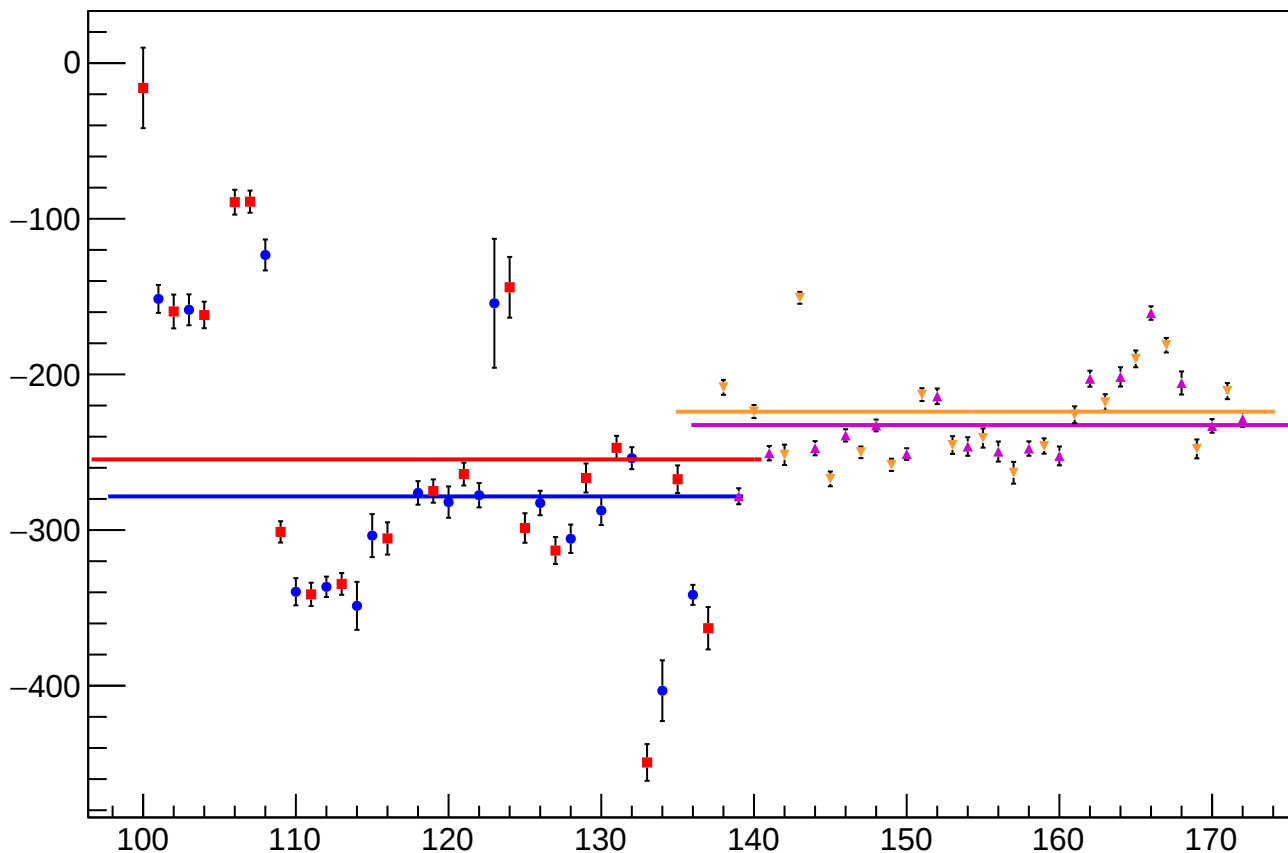
Right: 14.891 $\pm$ 0.794 χ^2 /NDF: 851.6/35

In: 6.657 $\pm$ 0.678 χ^2 /NDF:730.1/33

Out: 5.323 $\pm$ 0.638 χ^2 /NDF:736.3/36

All: 5.949 $\pm$ 0.464 χ^2 /NDF: 1468.5/70

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -278.380 ± 2.185 $\chi^2/\text{NDF}: 910.6/16$

Left Out: -223.943 ± 1.144 $\chi^2/\text{NDF}: 827.2/17$

Right Out: -254.603 ± 2.020 $\chi^2/\text{NDF}: 2037.5/18$

Left In: -232.546 ± 1.171 $\chi^2/\text{NDF}: 527.1/16$

Left: -228.146 ± 0.818 $\chi^2/\text{NDF}: 1381.8/34$

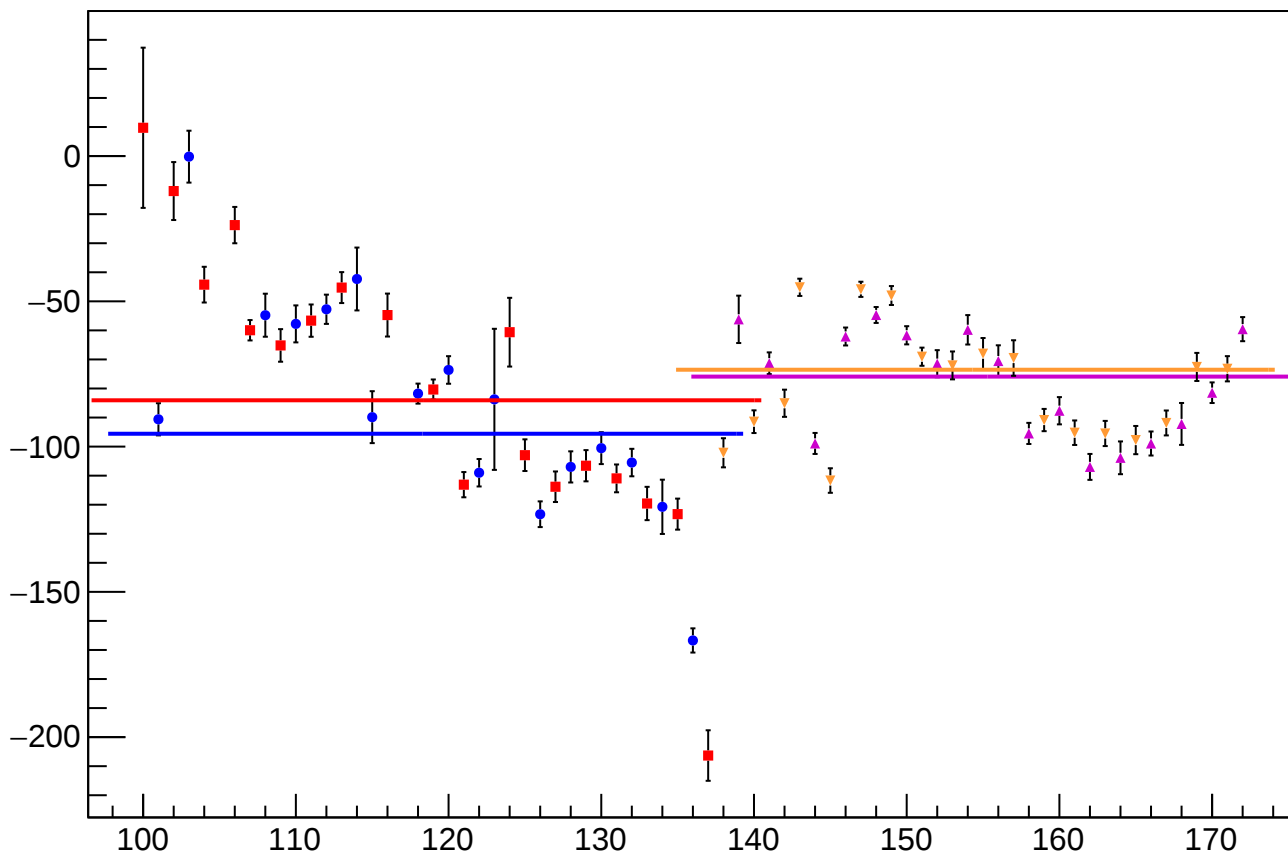
Right: -265.560 ± 1.483 $\chi^2/\text{NDF}: 3011.9/35$

In: -242.771 ± 1.032 $\chi^2/\text{NDF}: 1779.6/33$

Out: -231.392 ± 0.996 $\chi^2/\text{NDF}: 3039.1/36$

All: -236.877 ± 0.716 $\chi^2/\text{NDF}: 4881.6/70$

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -95.576 ± 1.340 χ^2/NDF : 671.2/16

Left Out: -73.540 ± 0.937 χ^2/NDF : 525.6/17

Right Out: -84.062 ± 1.257 χ^2/NDF : 783.2/18

Left In: -75.906 ± 0.980 χ^2/NDF : 322.9/16

Left: -74.670 ± 0.677 χ^2/NDF : 851.5/34

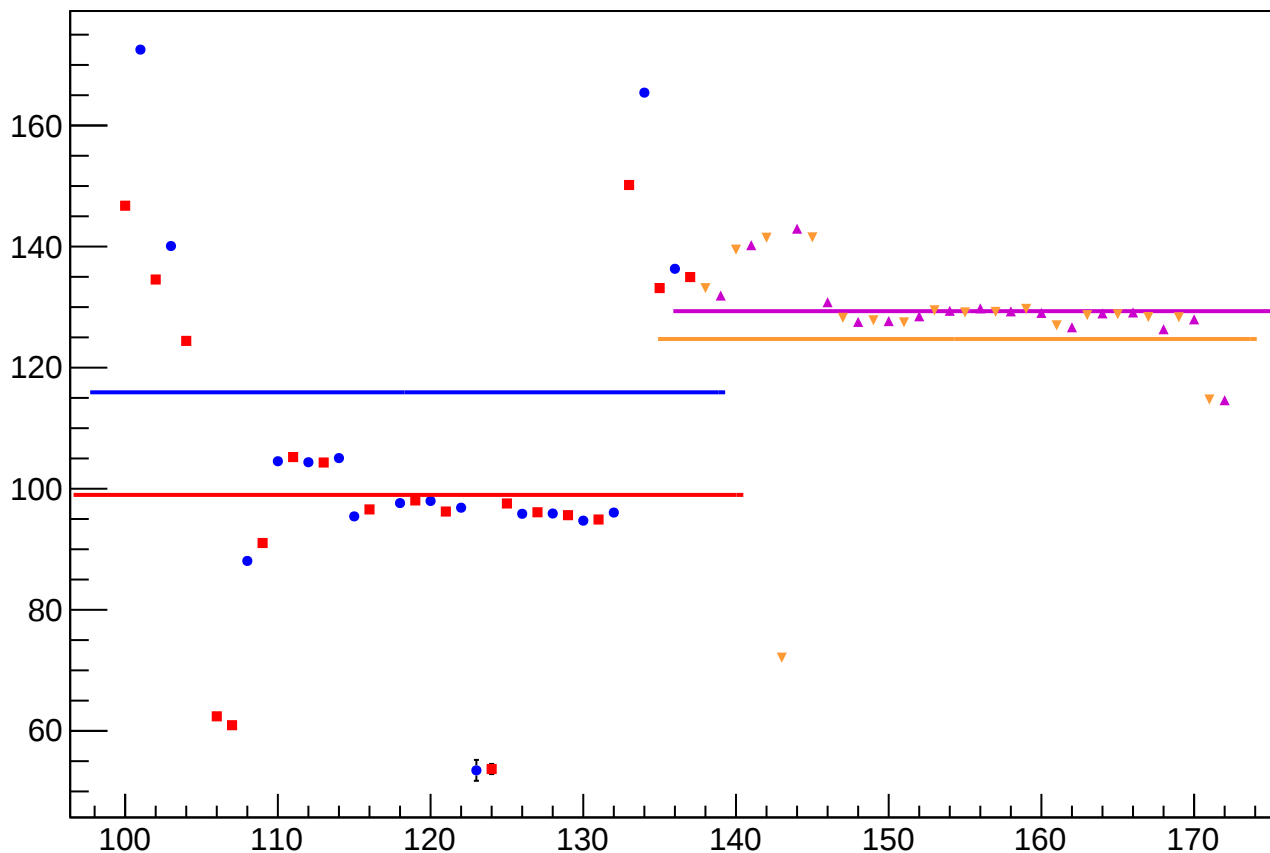
Right: -89.449 ± 0.917 χ^2/NDF : 1493.7/35

In: -82.760 ± 0.791 χ^2/NDF : 1134.4/33

Out: -77.300 ± 0.751 χ^2/NDF : 1353.8/36

All: -79.888 ± 0.545 χ^2/NDF : 2513.3/70

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 115.927 $\pm$ 0.078 χ^2 /NDF: 105791.4/16

Left Out: 124.735 $\pm$ 0.046 χ^2 /NDF: 145680.8/17

Right Out: 98.981 $\pm$ 0.069 χ^2 /NDF: 172974.2/18

Left In: 129.331 $\pm$ 0.046 χ^2 /NDF: 15688.3/16

Left: 126.998 $\pm$ 0.033 χ^2 /NDF: 166366.4/34

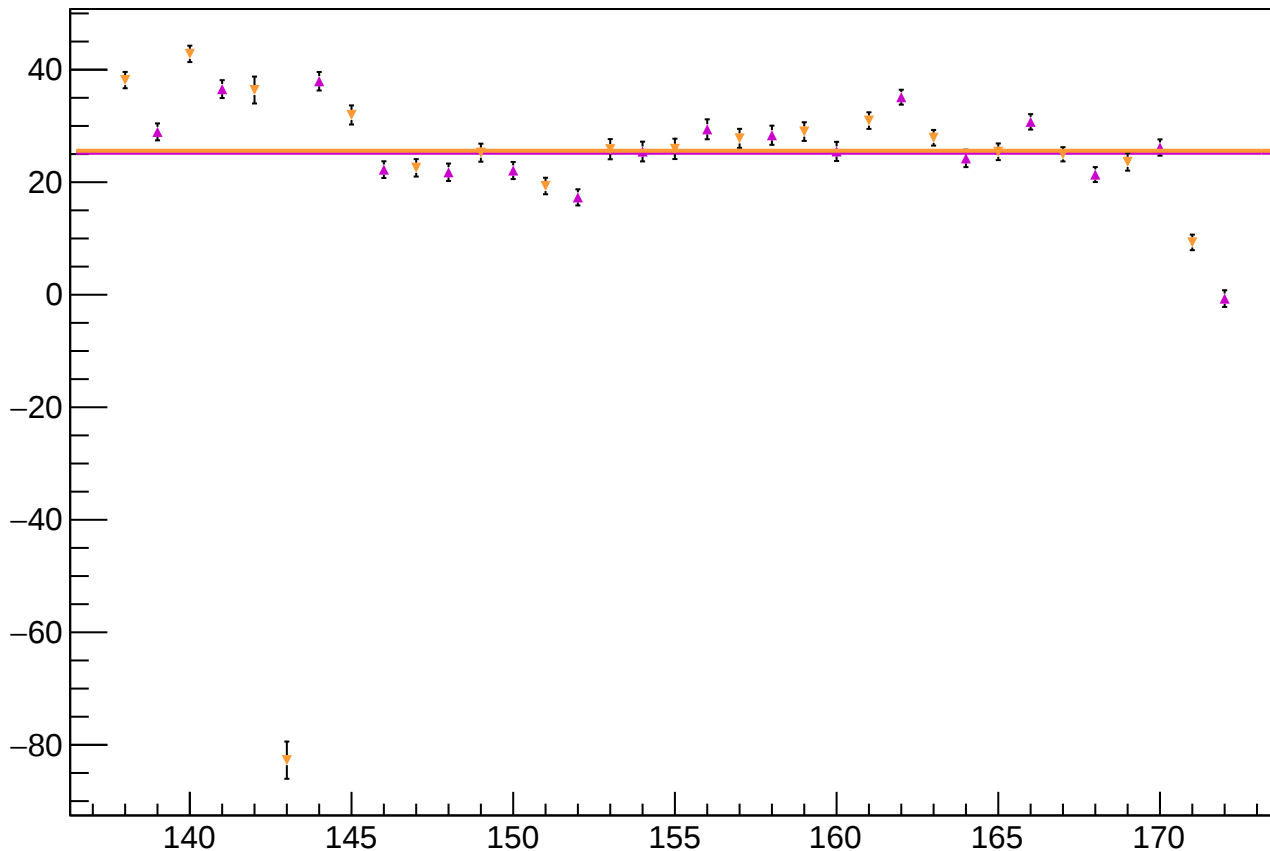
Right: 106.321 $\pm$ 0.052 χ^2 /NDF: 305233.1/35

In: 125.864 $\pm$ 0.040 χ^2 /NDF: 143137.5/33

Out: 116.830 $\pm$ 0.038 χ^2 /NDF: 416474.6/36

All: 121.126 $\pm$ 0.028 χ^2 /NDF: 586521.9/70

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: 25.594+/-0.374 χ^2/NDF :1503.5/17

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

Left In: 25.233+/-0.369 χ^2/NDF :555.5/16

Left: 25.411+/-0.263 χ^2/NDF : 2059.5/34

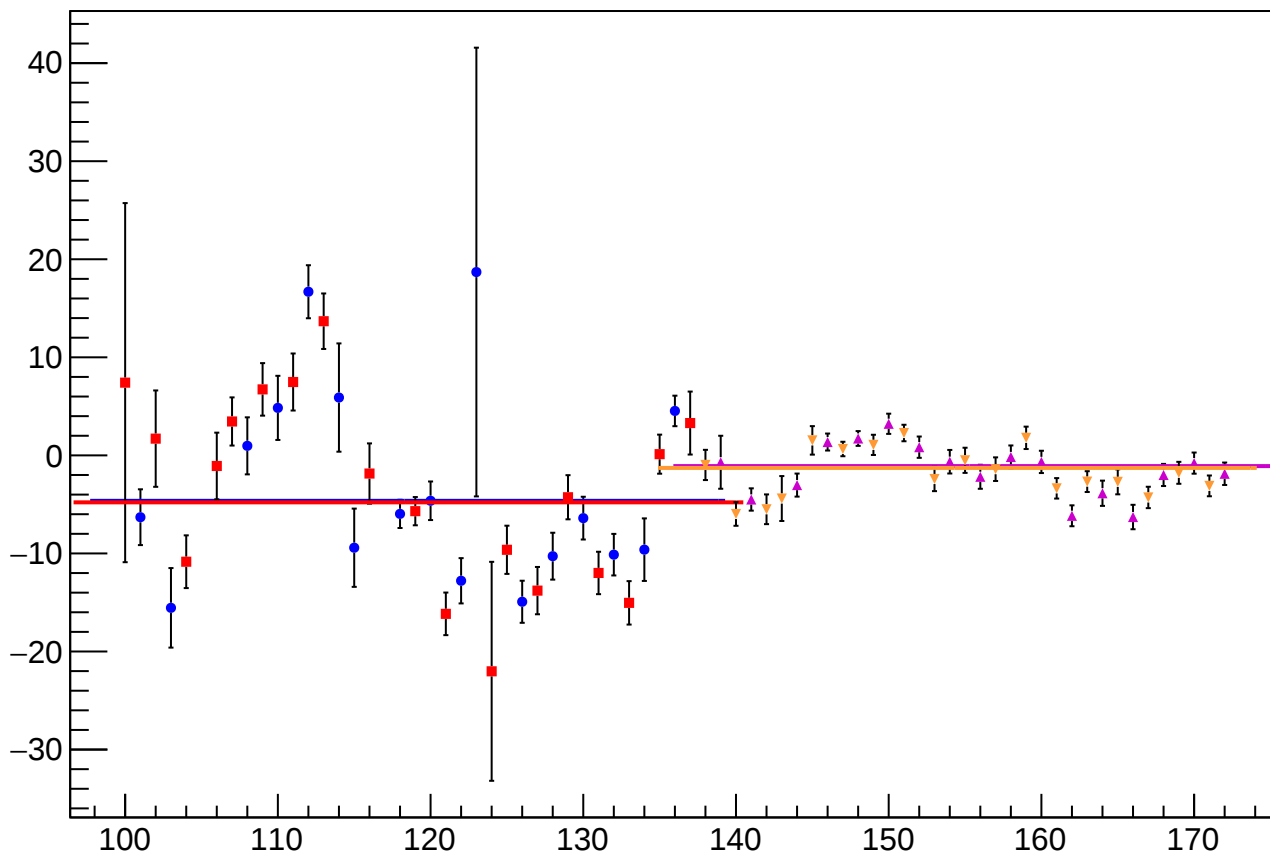
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: 25.233+/-0.369 χ^2/NDF :555.5/16

Out: 25.594+/-0.374 χ^2/NDF :1503.5/17

All: 25.411+/-0.263 χ^2/NDF : 2059.5/34

reg_asym_atl_dd_atr_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.637 ± 0.588 χ^2/NDF : 174.4/16

Left Out: -1.280 ± 0.266 χ^2/NDF : 84.8/17

Right Out: -4.791 ± 0.585 χ^2/NDF : 192.5/18

Left In: -1.093 ± 0.268 χ^2/NDF : 101.9/16

Left: -1.187 ± 0.189 χ^2/NDF : 186.9/34

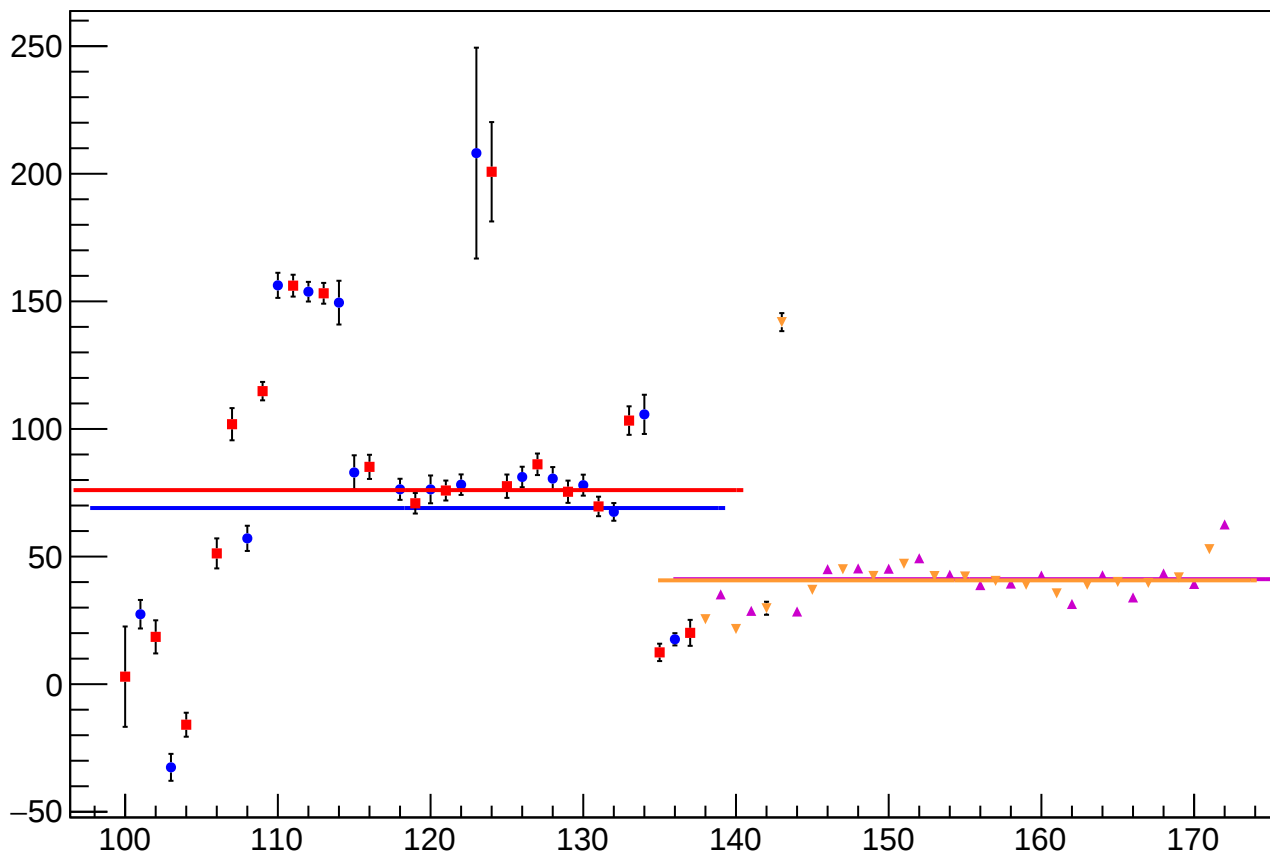
Right: -4.714 ± 0.414 χ^2/NDF : 367.0/35

In: -1.704 ± 0.244 χ^2/NDF : 306.4/33

Out: -1.884 ± 0.242 χ^2/NDF : 307.2/36

All: -1.795 ± 0.172 χ^2/NDF : 613.9/70

reg_asym_atl_dd_atr_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 69.019 ± 1.083 $\chi^2/\text{NDF}: 1848.0/16$

Left Out: 40.683 ± 0.368 $\chi^2/\text{NDF}: 1214.1/17$

Right Out: 76.041 ± 1.070 $\chi^2/\text{NDF}: 1881.9/18$

Left In: 41.145 ± 0.362 $\chi^2/\text{NDF}: 474.3/16$

Left: 40.918 ± 0.258 $\chi^2/\text{NDF}: 1689.3/34$

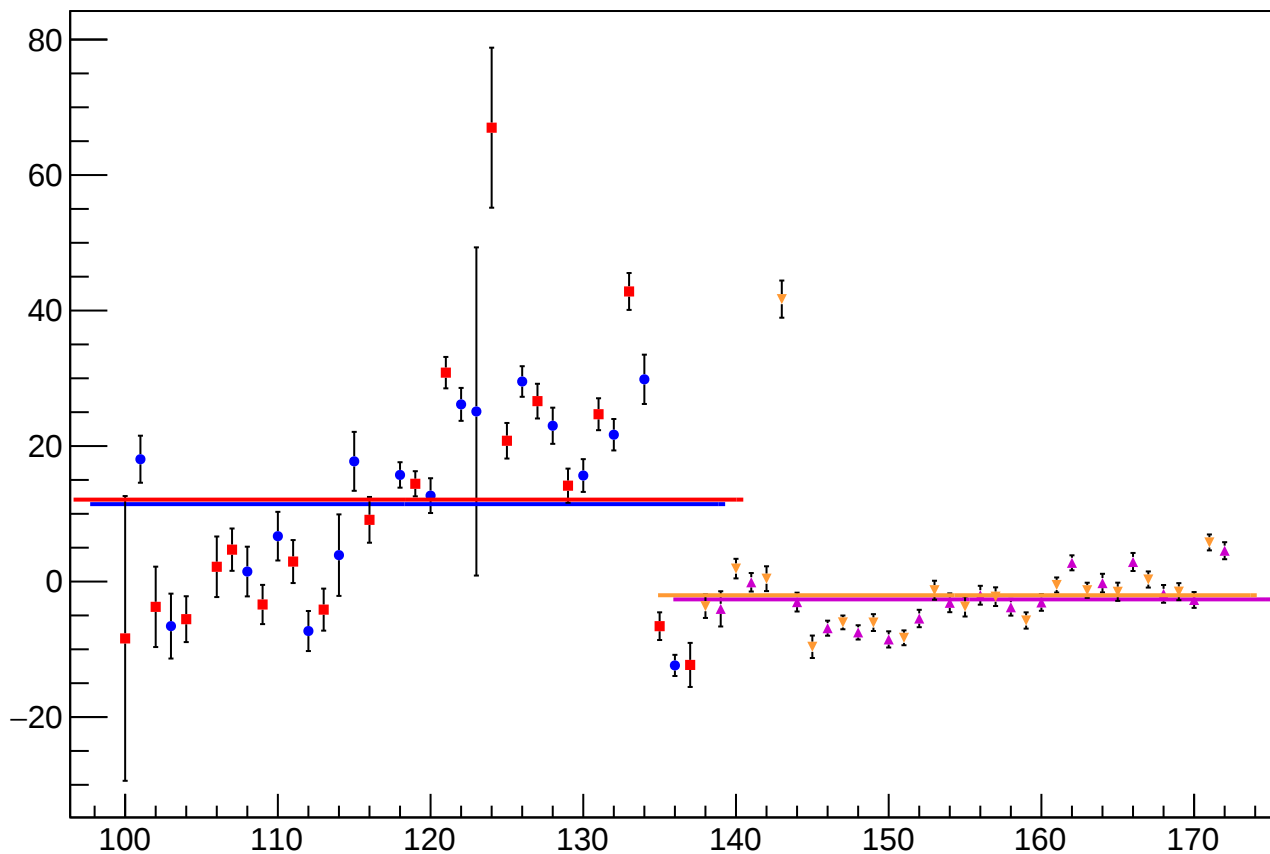
Right: 72.574 ± 0.761 $\chi^2/\text{NDF}: 3751.2/35$

In: 43.949 ± 0.344 $\chi^2/\text{NDF}: 2917.7/33$

Out: 44.424 ± 0.348 $\chi^2/\text{NDF}: 4072.7/36$

All: 44.183 ± 0.245 $\chi^2/\text{NDF}: 6991.3/70$

reg_asym_atl_dd_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 11.428 ± 0.665 $\chi^2/\text{NDF}: 476.8/16$

Left Out: -2.019 ± 0.309 $\chi^2/\text{NDF}: 405.7/17$

Right Out: 12.095 ± 0.664 $\chi^2/\text{NDF}: 539.1/18$

Left In: -2.630 ± 0.310 $\chi^2/\text{NDF}: 147.4/16$

Left: -2.324 ± 0.219 $\chi^2/\text{NDF}: 555.0/34$

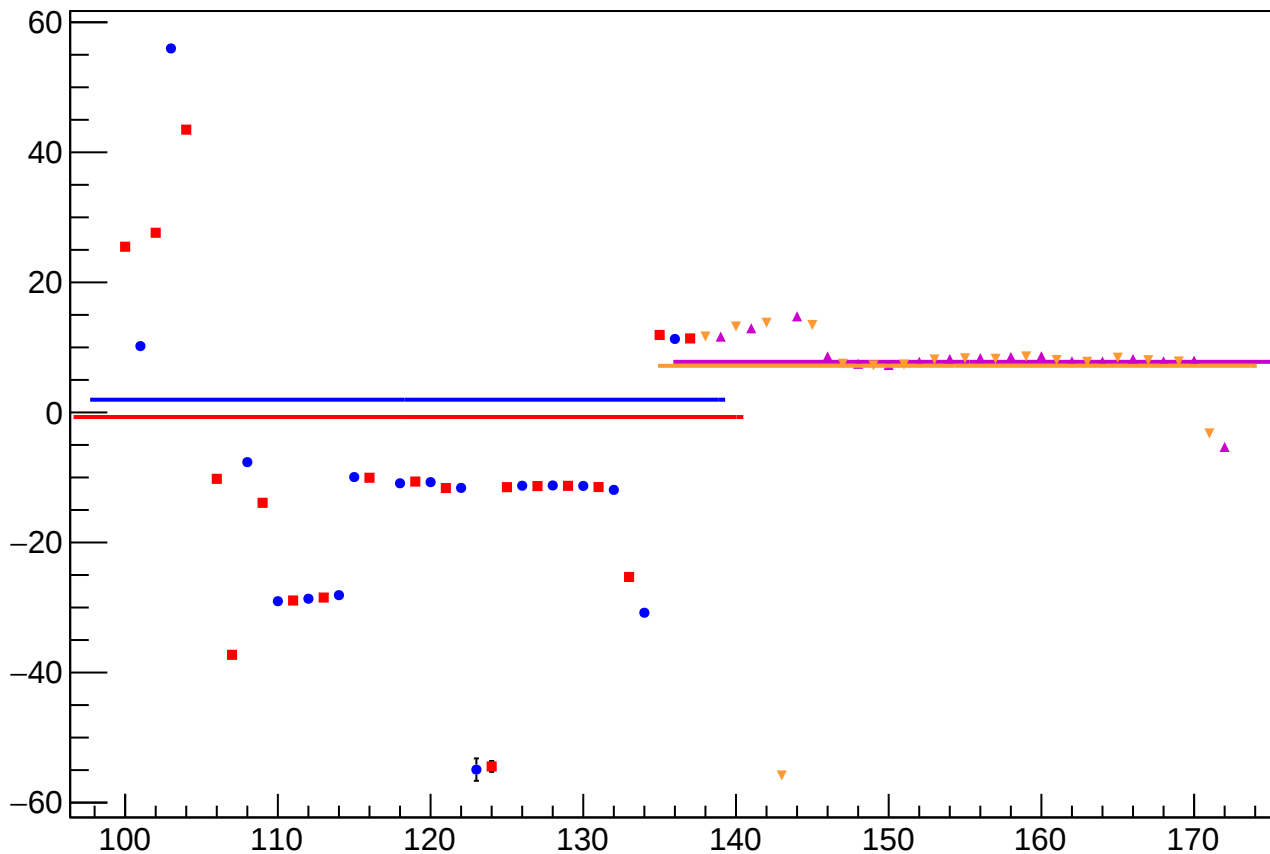
Right: 11.762 ± 0.470 $\chi^2/\text{NDF}: 1016.4/35$

In: -0.126 ± 0.281 $\chi^2/\text{NDF}: 991.0/33$

Out: 0.493 ± 0.280 $\chi^2/\text{NDF}: 1316.3/36$

All: 0.184 ± 0.198 $\chi^2/\text{NDF}: 2309.7/70$

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.960 ± 0.037 $\chi^2/\text{NDF}: 358457.0/16$

Left Out: 7.171 ± 0.014 $\chi^2/\text{NDF}: 271494.7/17$

Right Out: -0.704 ± 0.037 $\chi^2/\text{NDF}: 361168.6/18$

Left In: 7.781 ± 0.014 $\chi^2/\text{NDF}: 79137.8/16$

Left: 7.480 ± 0.010 $\chi^2/\text{NDF}: 351556.2/34$

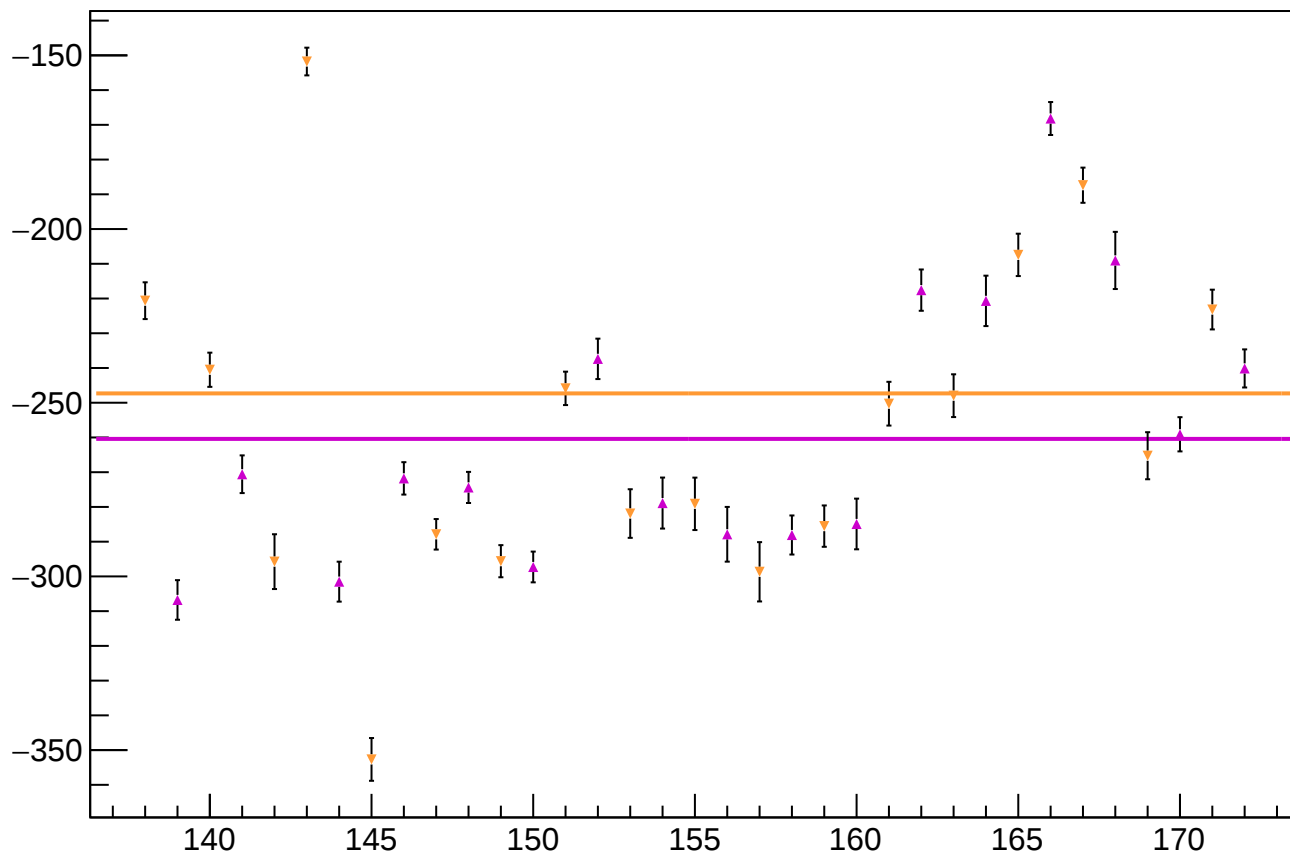
Right: 0.627 ± 0.026 $\chi^2/\text{NDF}: 722198.2/35$

In: 7.049 ± 0.013 $\chi^2/\text{NDF}: 459059.2/33$

Out: 6.153 ± 0.013 $\chi^2/\text{NDF}: 671848.6/36$

All: 6.607 ± 0.009 $\chi^2/\text{NDF}: 1133189.0/70$

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -247.317 ± 1.320 $\chi^2/\text{NDF}: 1453.5/17$

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

Left In: -260.413 ± 1.364 $\chi^2/\text{NDF}: 788.2/16$

Left: -253.651 ± 0.949 $\chi^2/\text{NDF}: 2289.3/34$

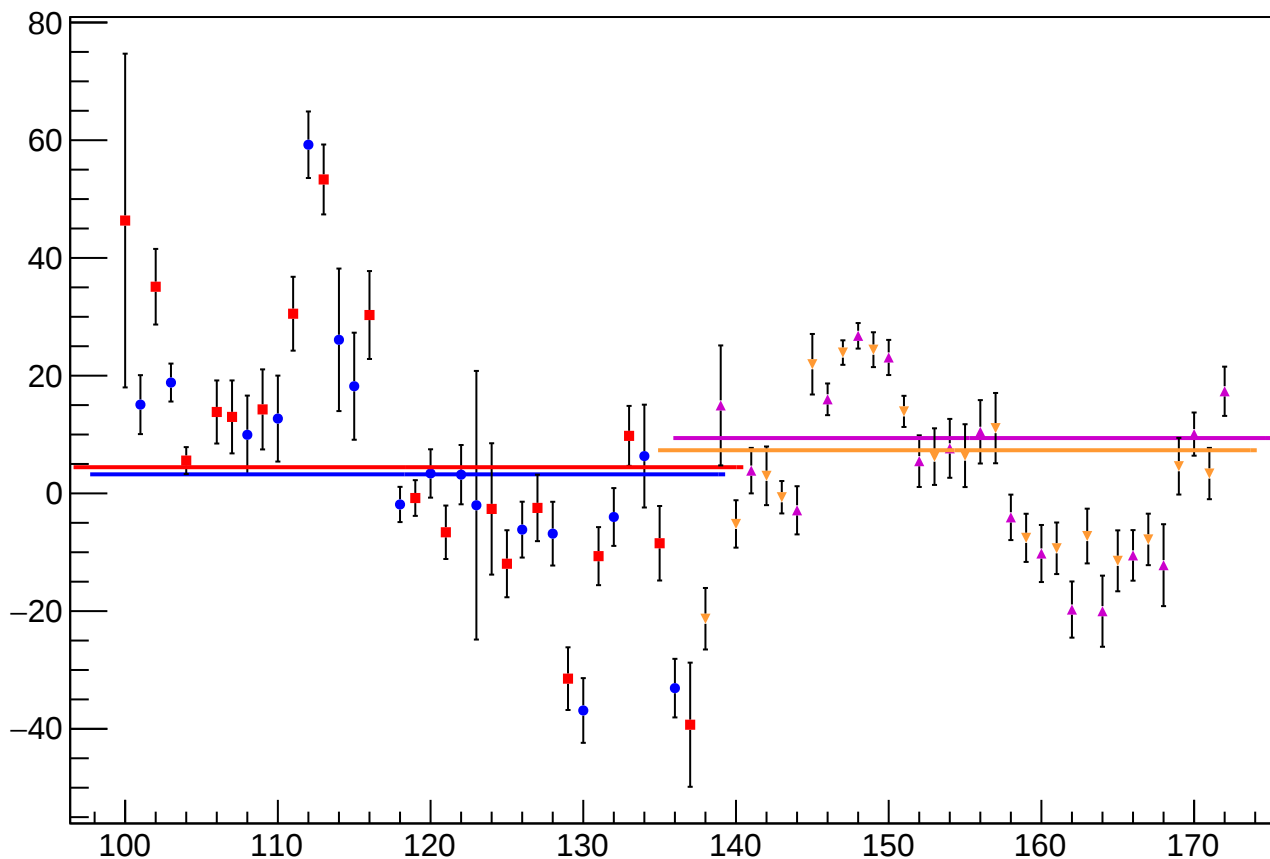
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -260.413 ± 1.364 $\chi^2/\text{NDF}: 788.2/16$

Out: -247.317 ± 1.320 $\chi^2/\text{NDF}: 1453.5/17$

All: -253.651 ± 0.949 $\chi^2/\text{NDF}: 2289.3/34$

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: 7.331 ± 0.896 χ^2/NDF : 224.3/17

Right Out: 4.450 ± 1.157 χ^2/NDF : 225.8/18

Left In: 9.400 ± 0.948 χ^2/NDF : 227.7/16

Left: 8.307 ± 0.651 χ^2/NDF : 454.5/34

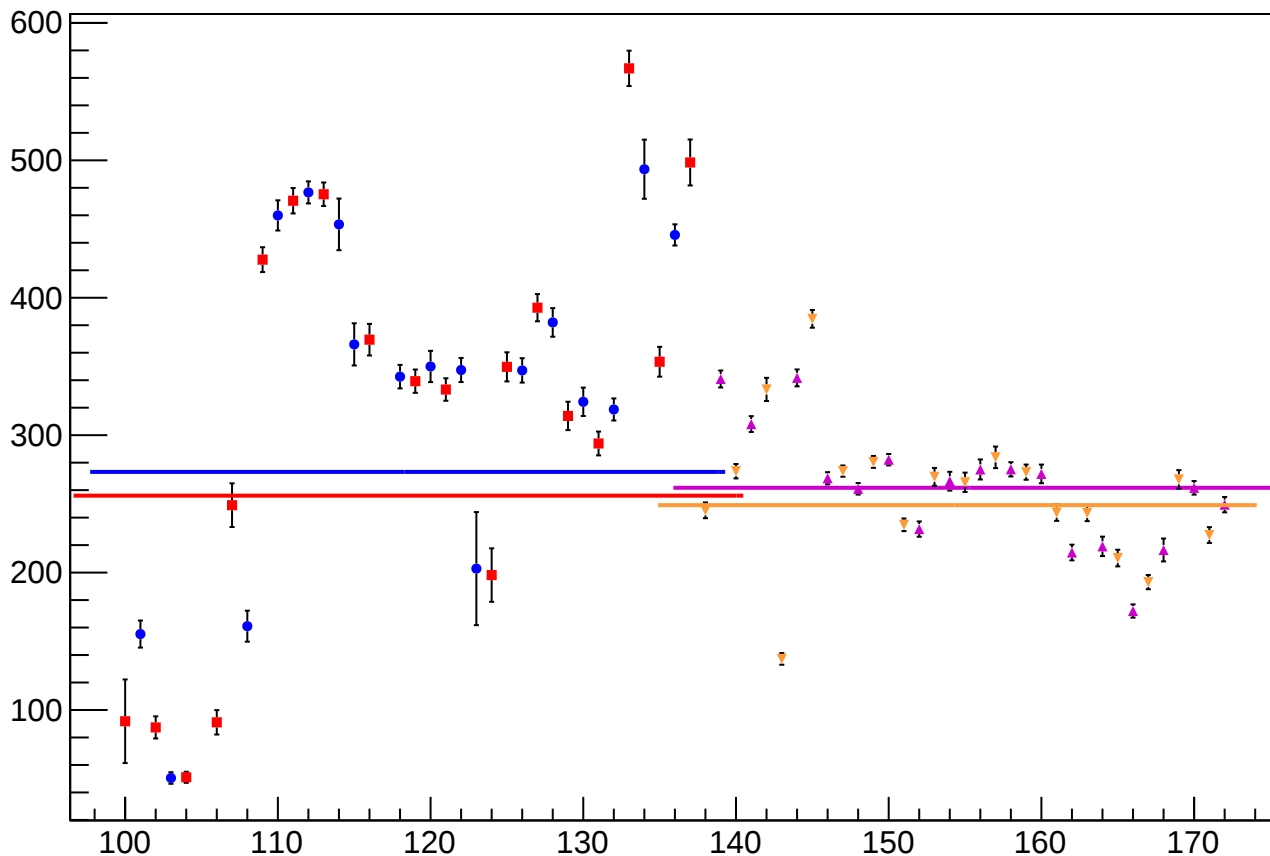
Right: 3.887 ± 0.847 χ^2/NDF : 481.6/35

In: 7.135 ± 0.754 χ^2/NDF : 498.5/33

Out: 6.251 ± 0.708 χ^2/NDF : 453.9/36

All: 6.665 ± 0.516 χ^2/NDF : 953.1/70

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 273.276 $\pm$ 2.205 χ^2 /NDF: 5101.5/16

Left Out: 249.087 $\pm$ 1.306 χ^2 /NDF:1587.5/17

Right Out: 255.985 $\pm$ 2.080 χ^2 /NDF: 6438.4/18

Left In: 261.717 $\pm$ 1.336 χ^2 /NDF:949.6/16

Left: 255.260 $\pm$ 0.934 χ^2 /NDF: 2582.8/34

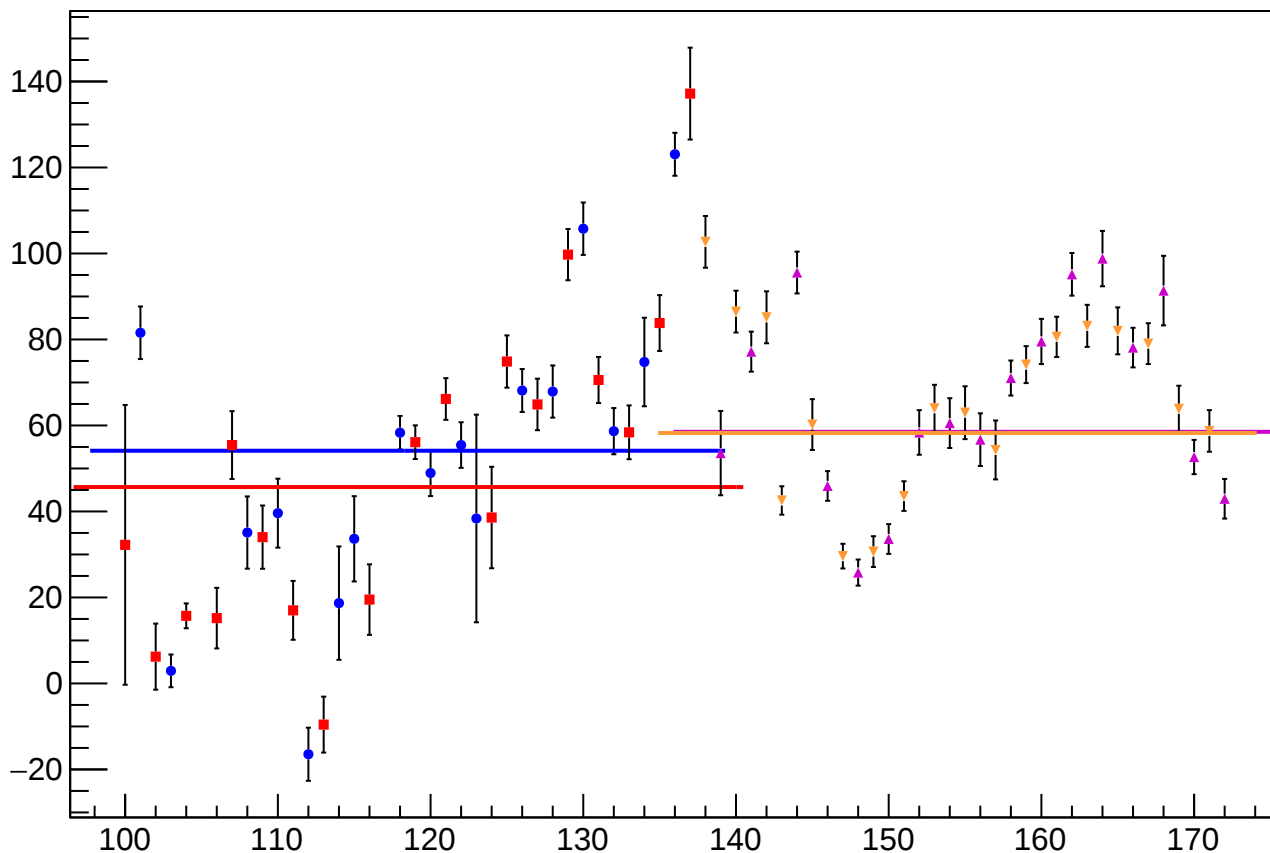
Right: 264.127 $\pm$ 1.513 χ^2 /NDF: 11572.5/35

In: 264.822 $\pm$ 1.143 χ^2 /NDF:6071.3/33

Out: 251.038 $\pm$ 1.106 χ^2 /NDF:8033.8/36

All: 257.707 $\pm$ 0.795 χ^2 /NDF: 14180.2/70

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 54.119+/-1.438 χ^2/NDF : 633.9/16

Left Out: 58.258+/-1.066 χ^2/NDF : 411.6/17

Right Out: 45.675+/-1.357 χ^2/NDF : 531.0/18

Left In: 58.524+/-1.116 χ^2/NDF : 423.3/16

Left: 58.385+/-0.771 χ^2/NDF : 835.0/34

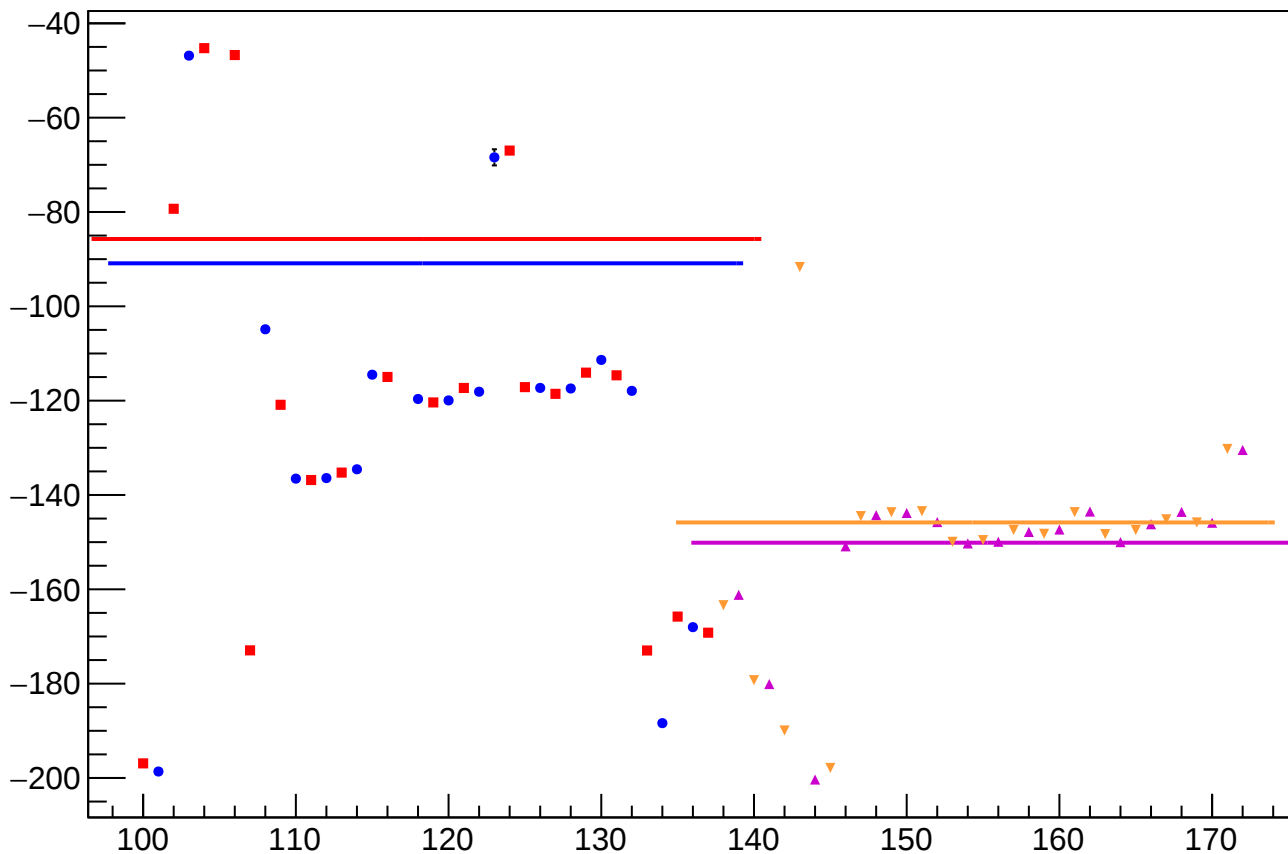
Right: 49.654+/-0.987 χ^2/NDF : 1183.2/35

In: 56.867+/-0.882 χ^2/NDF : 1063.1/33

Out: 53.455+/-0.838 χ^2/NDF : 995.8/36

All: 55.075+/-0.608 χ^2/NDF : 2066.8/70

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -90.881 ± 0.068 $\chi^2/\text{NDF}: 533423.8/16$

Left Out: -145.823 ± 0.052 $\chi^2/\text{NDF}: 193415.5/17$

Right Out: -85.722 ± 0.065 $\chi^2/\text{NDF}: 494183.1/18$

Left In: -150.121 ± 0.053 $\chi^2/\text{NDF}: 68757.1/16$

Left: -147.942 ± 0.037 $\chi^2/\text{NDF}: 265527.5/34$

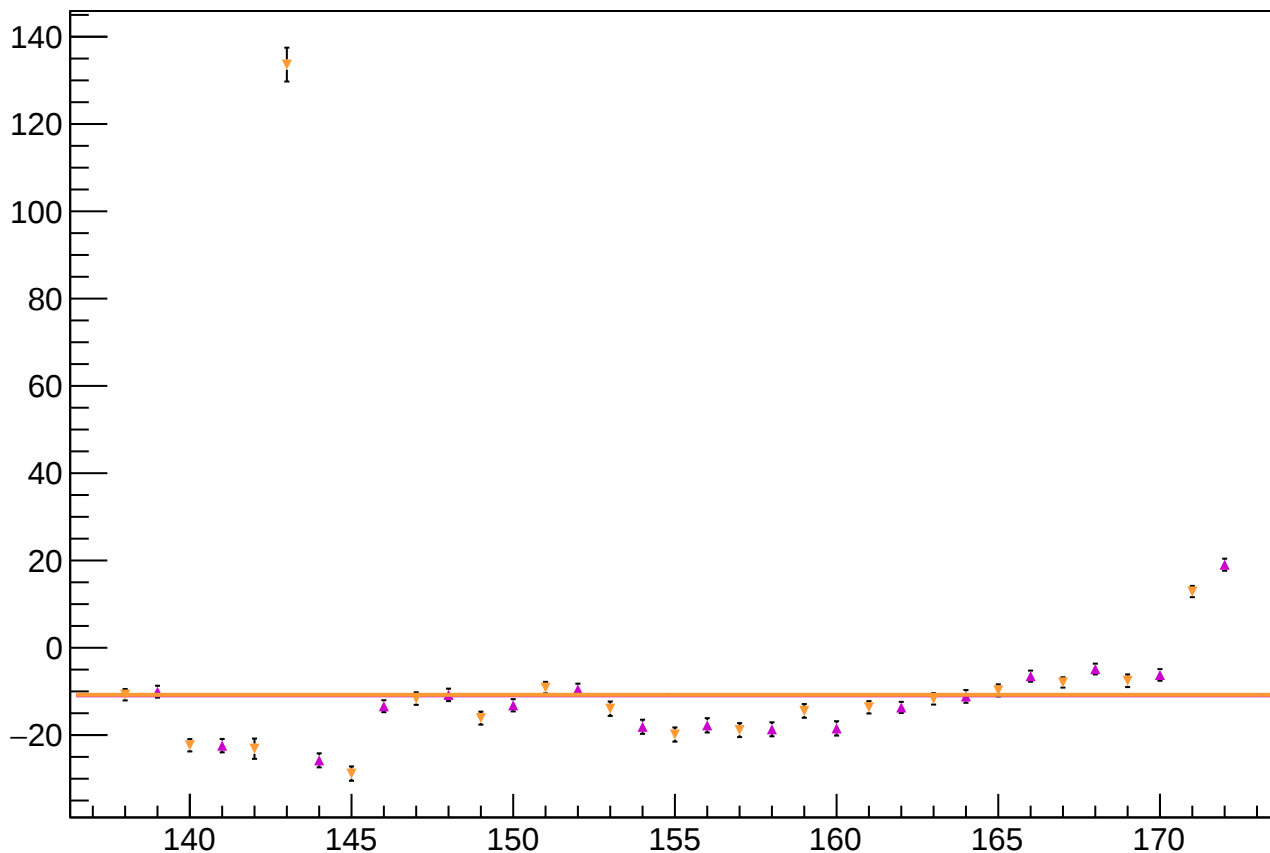
Right: -88.197 ± 0.047 $\chi^2/\text{NDF}: 1030623.7/35$

In: -127.719 ± 0.042 $\chi^2/\text{NDF}: 1077568.2/33$

Out: -122.335 ± 0.041 $\chi^2/\text{NDF}: 1207365.4/36$

All: -124.962 ± 0.029 $\chi^2/\text{NDF}: 2293484.1/70$

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: -10.774+/-0.350 χ^2/NDF :2032.1/17

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

Left In: -10.888+/-0.345 χ^2/NDF :750.1/16

Left: -10.832+/-0.246 χ^2/NDF : 2782.2/34

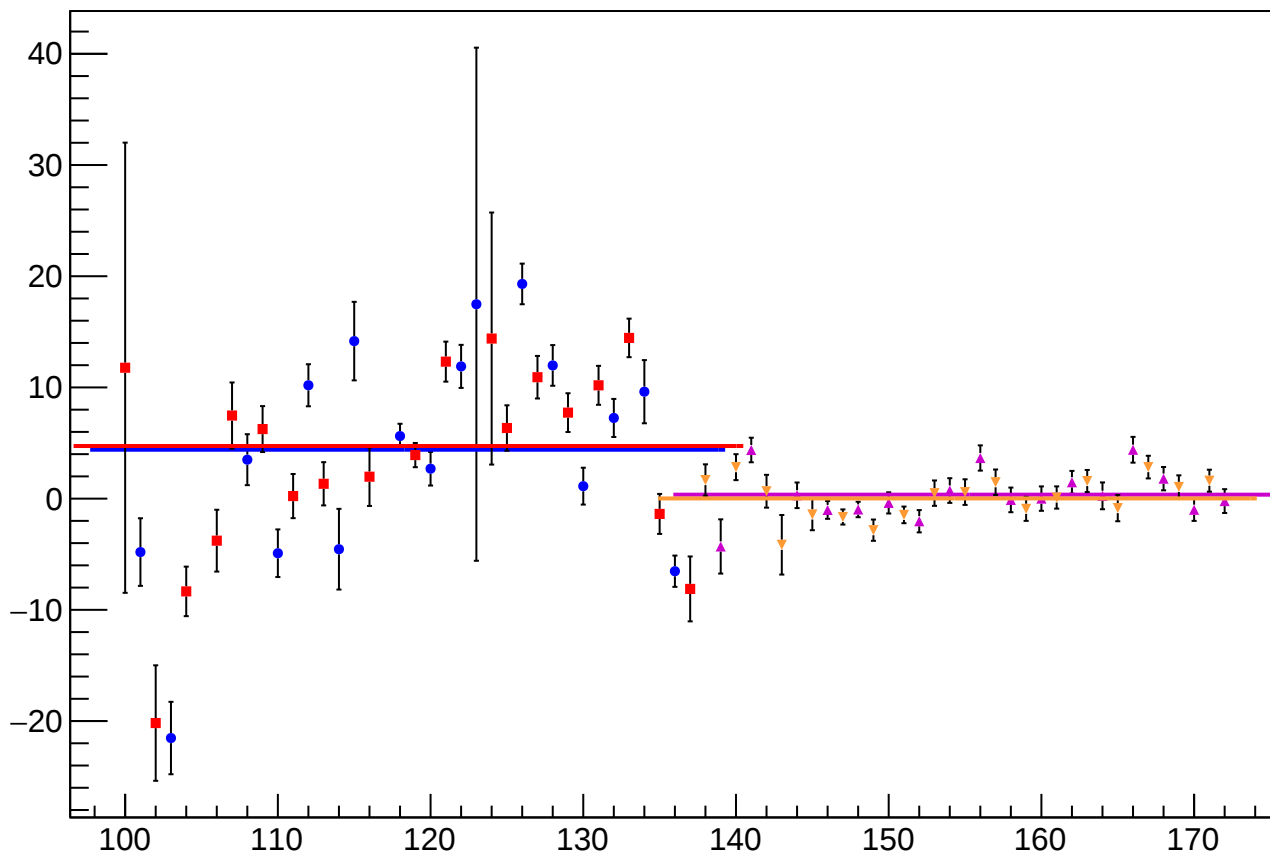
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -10.888+/-0.345 χ^2/NDF :750.1/16

Out: -10.774+/-0.350 χ^2/NDF :2032.1/17

All: -10.832+/-0.246 χ^2/NDF : 2782.2/34

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 4.399 $\pm$ 0.471 χ^2 /NDF: 286.8/16

Left Out: 0.018 $\pm$ 0.249 χ^2 /NDF:46.7/17

Right Out: 4.732 $\pm$ 0.473 χ^2 /NDF: 182.9/18

Left In: 0.357 $\pm$ 0.251 χ^2 /NDF:56.0/16

Left: 0.186 $\pm$ 0.177 χ^2 /NDF: 103.6/34

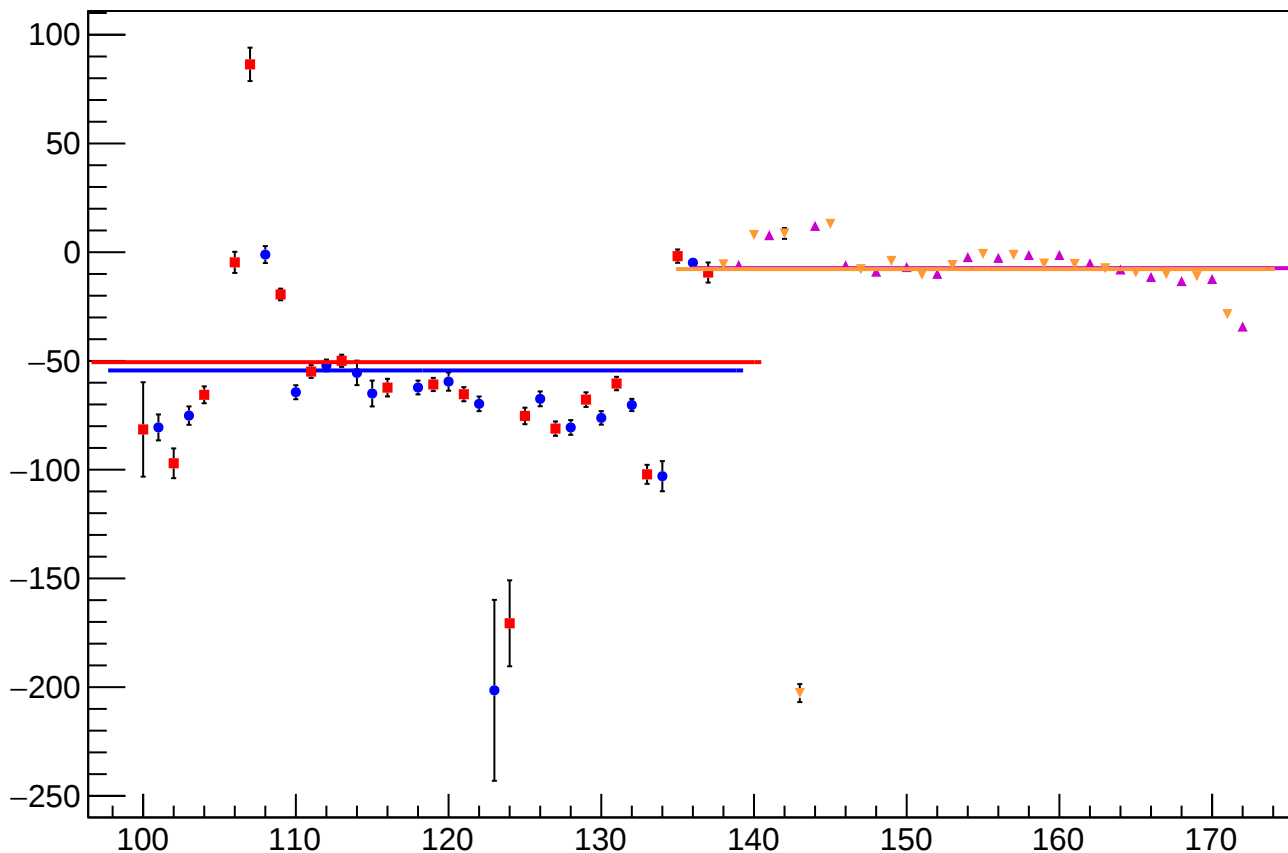
Right: 4.565 $\pm$ 0.334 χ^2 /NDF: 470.0/35

In: 1.251 $\pm$ 0.222 χ^2 /NDF:400.1/33

Out: 1.040 $\pm$ 0.220 χ^2 /NDF:307.3/36

All: 1.145 $\pm$ 0.156 χ^2 /NDF: 707.9/70

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -54.365 ± 0.868 $\chi^2/\text{NDF}: 1013.5/16$

Left Out: -7.770 ± 0.344 $\chi^2/\text{NDF}: 2840.4/17$

Right Out: -50.554 ± 0.858 $\chi^2/\text{NDF}: 1321.3/18$

Left In: -7.339 ± 0.339 $\chi^2/\text{NDF}: 684.4/16$

Left: -7.551 ± 0.241 $\chi^2/\text{NDF}: 3525.5/34$

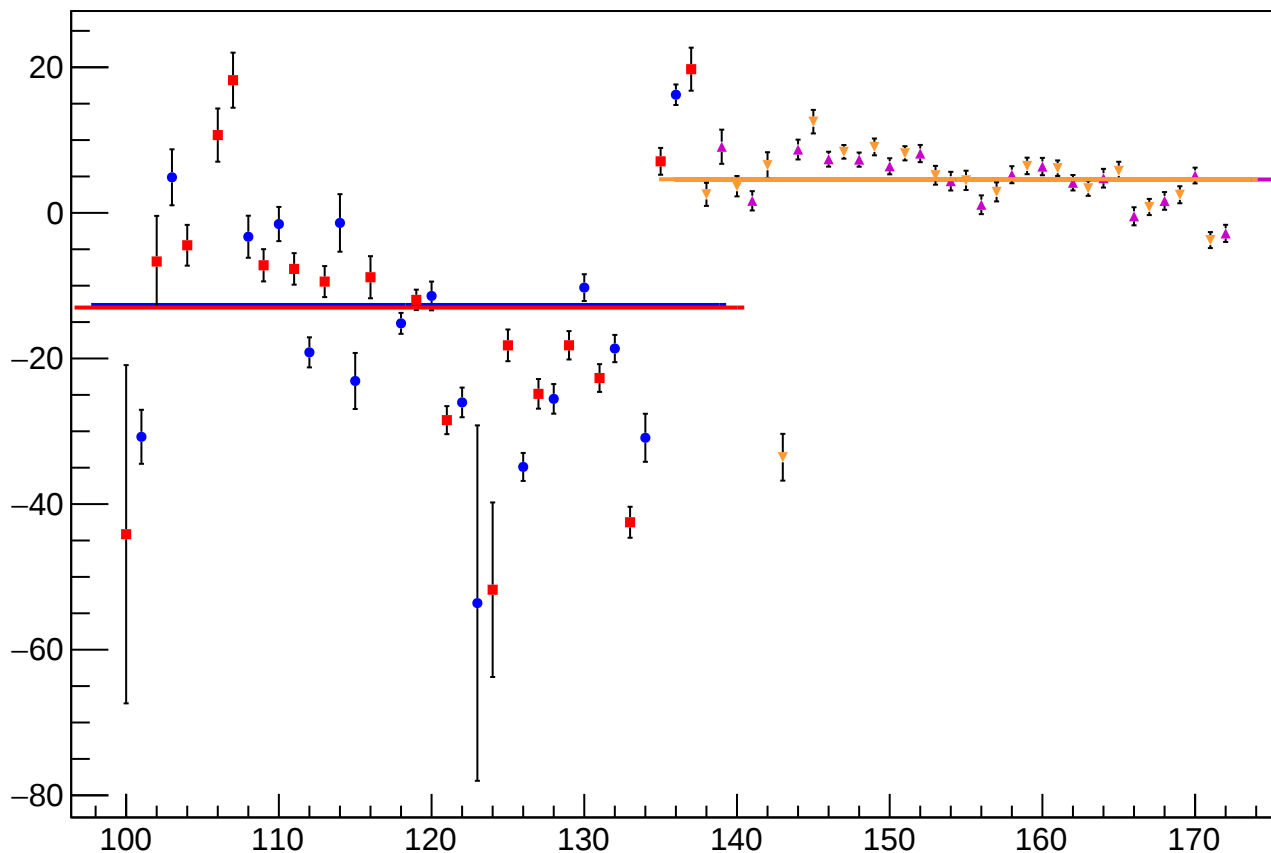
Right: -52.436 ± 0.610 $\chi^2/\text{NDF}: 2344.5/35$

In: -13.550 ± 0.316 $\chi^2/\text{NDF}: 4244.0/33$

Out: -13.704 ± 0.319 $\chi^2/\text{NDF}: 6305.7/36$

All: -13.626 ± 0.224 $\chi^2/\text{NDF}: 10549.8/70$

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.648 ± 0.536 $\chi^2/\text{NDF}: 788.4/16$

Left Out: 4.618 ± 0.289 $\chi^2/\text{NDF}: 294.8/17$

Right Out: -13.005 ± 0.538 $\chi^2/\text{NDF}: 721.4/18$

Left In: 4.586 ± 0.290 $\chi^2/\text{NDF}: 117.0/16$

Left: 4.602 ± 0.205 $\chi^2/\text{NDF}: 411.8/34$

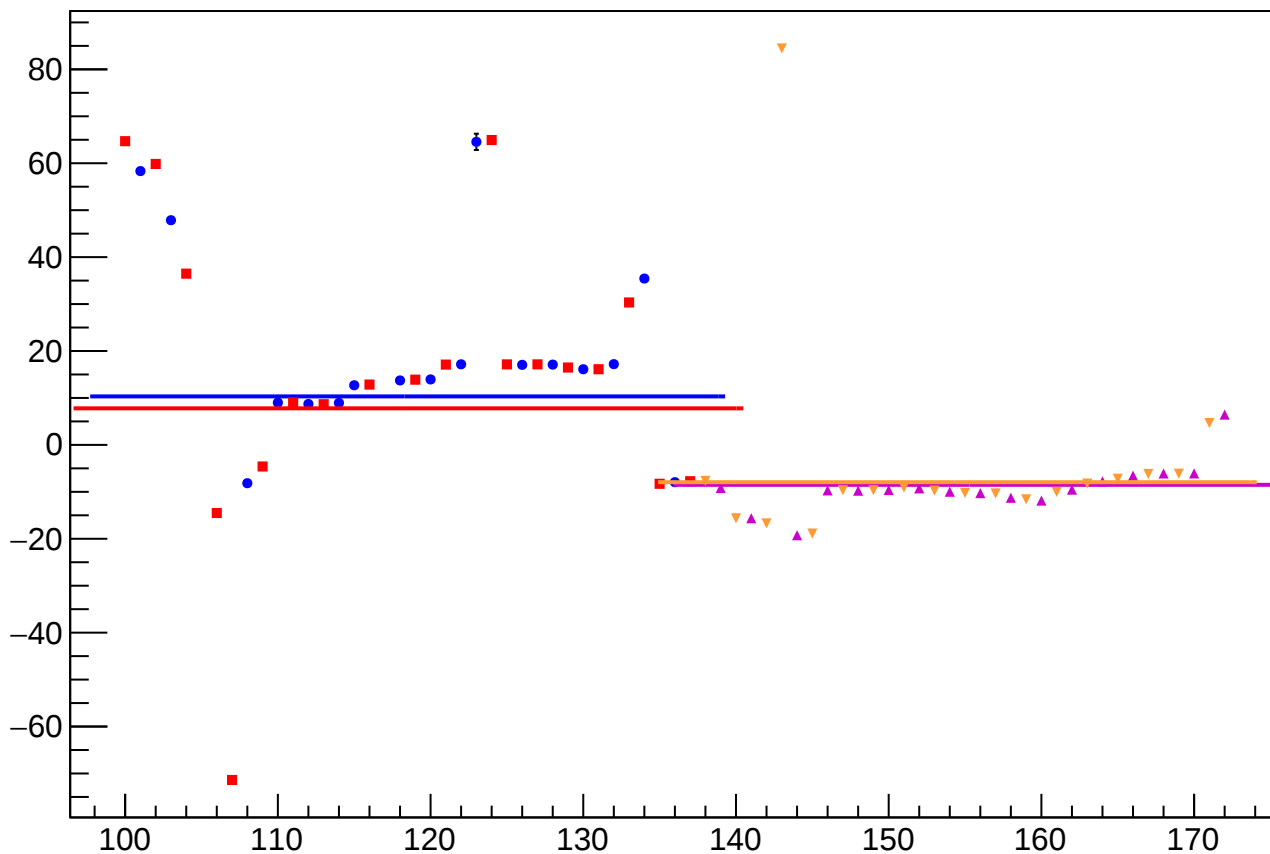
Right: -12.826 ± 0.380 $\chi^2/\text{NDF}: 1510.1/35$

In: 0.682 ± 0.255 $\chi^2/\text{NDF}: 1704.2/33$

Out: 0.665 ± 0.255 $\chi^2/\text{NDF}: 1850.0/36$

All: 0.674 ± 0.180 $\chi^2/\text{NDF}: 3554.2/70$

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 10.330 ± 0.031 χ^2/NDF : 380857.1/16

Left Out: -7.949 ± 0.013 χ^2/NDF : 449300.9/17

Right Out: 7.786 ± 0.031 χ^2/NDF : 544119.7/18

Left In: -8.506 ± 0.013 χ^2/NDF : 138239.9/16

Left: -8.231 ± 0.009 χ^2/NDF : 588422.8/34

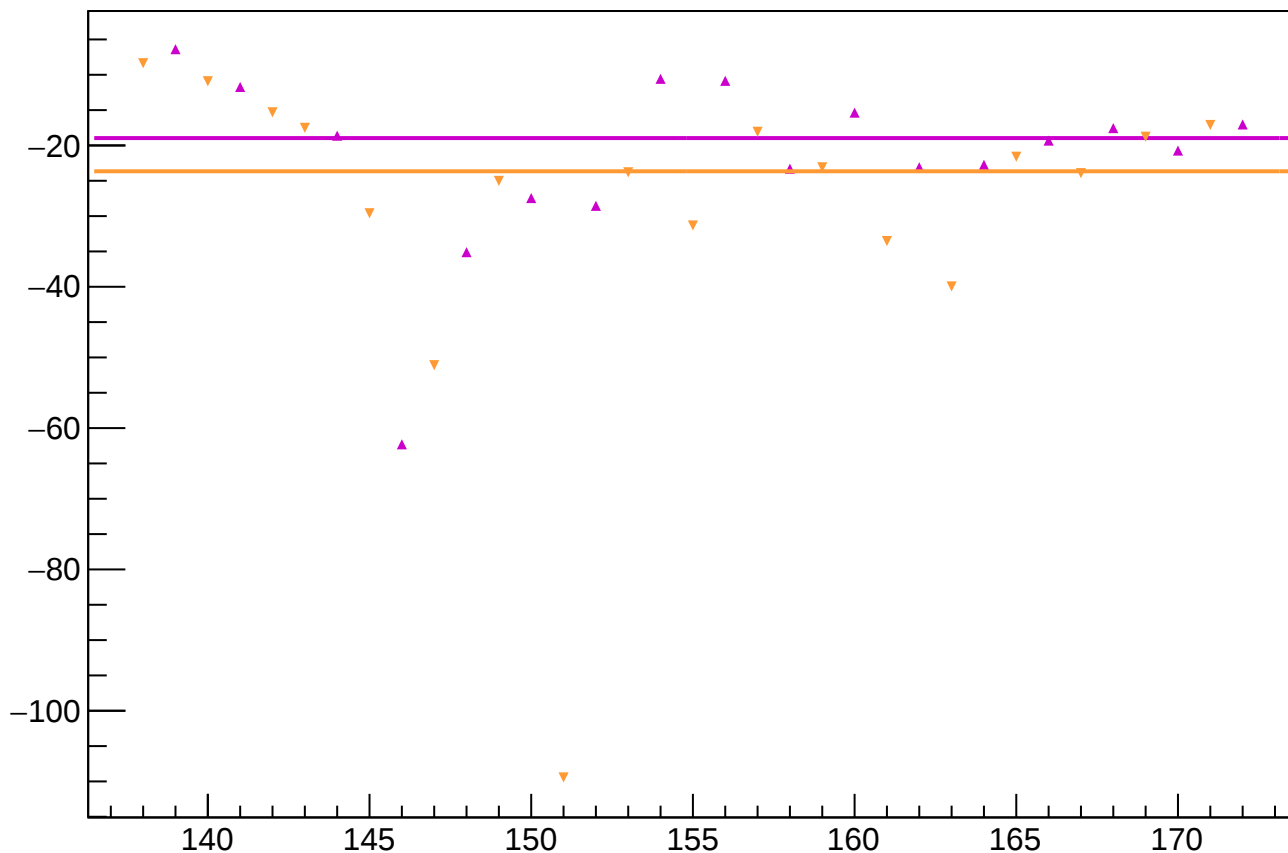
Right: 9.084 ± 0.022 χ^2/NDF : 928345.1/35

In: -5.578 ± 0.012 χ^2/NDF : 837508.8/33

Out: -5.523 ± 0.012 χ^2/NDF : 1207106.9/36

All: -5.551 ± 0.009 χ^2/NDF : 2044626.0/70

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.658 ± 0.056 $\chi^2/\text{NDF}: 59177.6/17$

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

Left In: -18.957 ± 0.049 $\chi^2/\text{NDF}: 37293.6/16$

Left: -21.018 ± 0.037 $\chi^2/\text{NDF}: 100476.4/34$

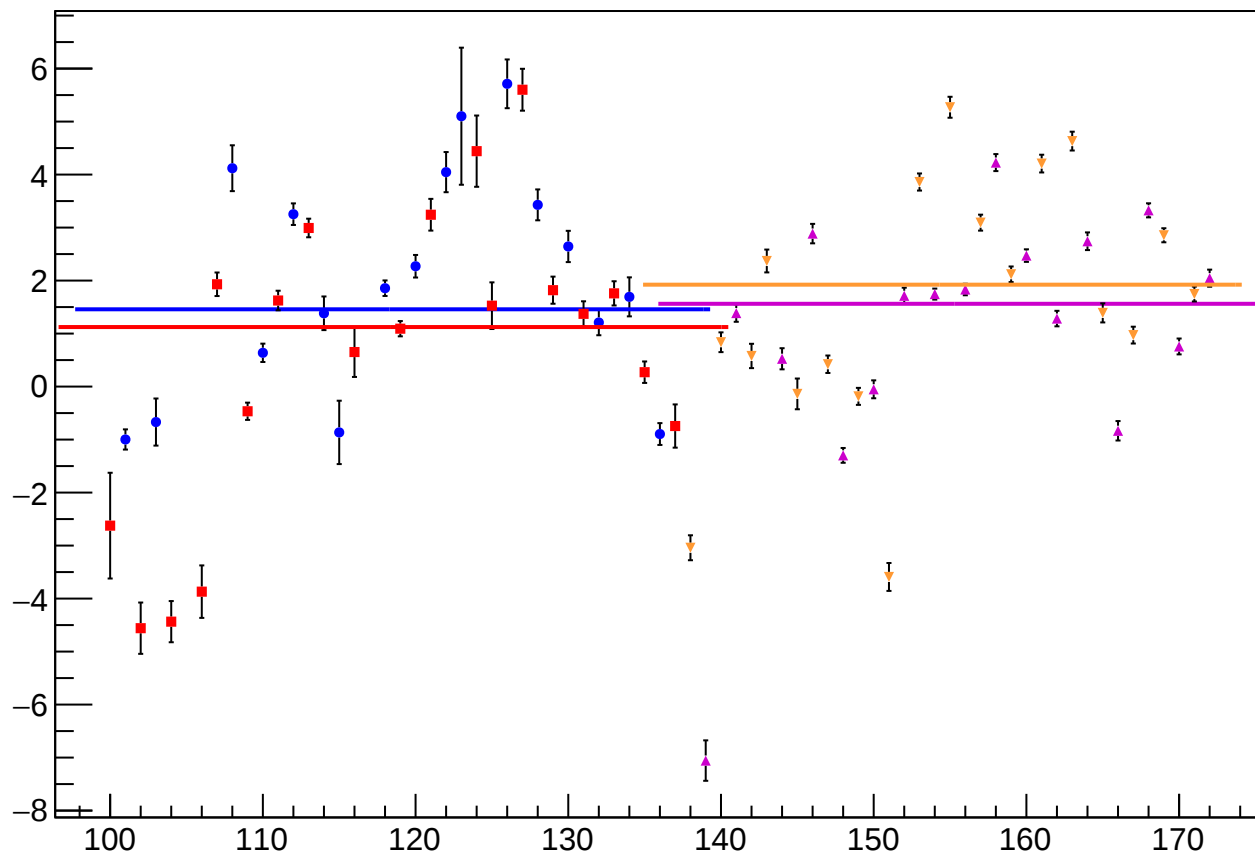
Right: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$

In: -18.957 ± 0.049 $\chi^2/\text{NDF}: 37293.6/16$

Out: -23.658 ± 0.056 $\chi^2/\text{NDF}: 59177.6/17$

All: -21.018 ± 0.037 $\chi^2/\text{NDF}: 100476.4/34$

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.458 $\pm$ 0.062 χ^2/NDF : 698.2/16

Left Out: 1.923 $\pm$ 0.041 χ^2/NDF :2269.5/17

Right Out: 1.123 $\pm$ 0.058 χ^2/NDF : 947.4/18

Left In: 1.562 $\pm$ 0.036 χ^2/NDF :1884.3/16

Left: 1.719 $\pm$ 0.027 χ^2/NDF : 4197.2/34

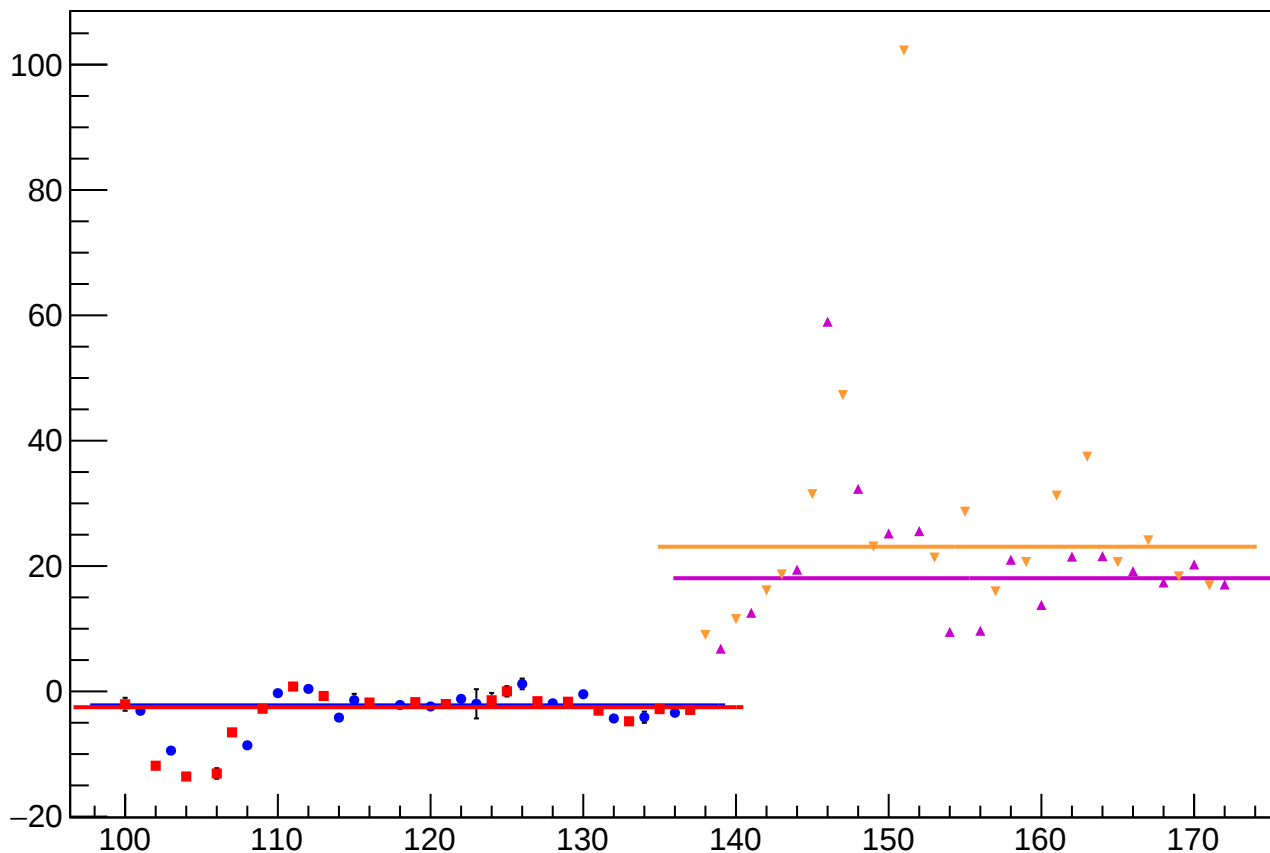
Right: 1.280 $\pm$ 0.042 χ^2/NDF : 1661.2/35

In: 1.536 $\pm$ 0.031 χ^2/NDF :2584.6/33

Out: 1.655 $\pm$ 0.034 χ^2/NDF :3343.0/36

All: 1.591 $\pm$ 0.023 χ^2/NDF : 5934.4/70

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.228 ± 0.111 χ^2/NDF : 460.4/16

Left Out: 23.083 ± 0.055 χ^2/NDF : 52985.4/17

Right Out: -2.520 ± 0.099 χ^2/NDF : 904.0/18

Left In: 18.060 ± 0.048 χ^2/NDF : 35311.5/16

Left: 20.229 ± 0.036 χ^2/NDF : 93054.3/34

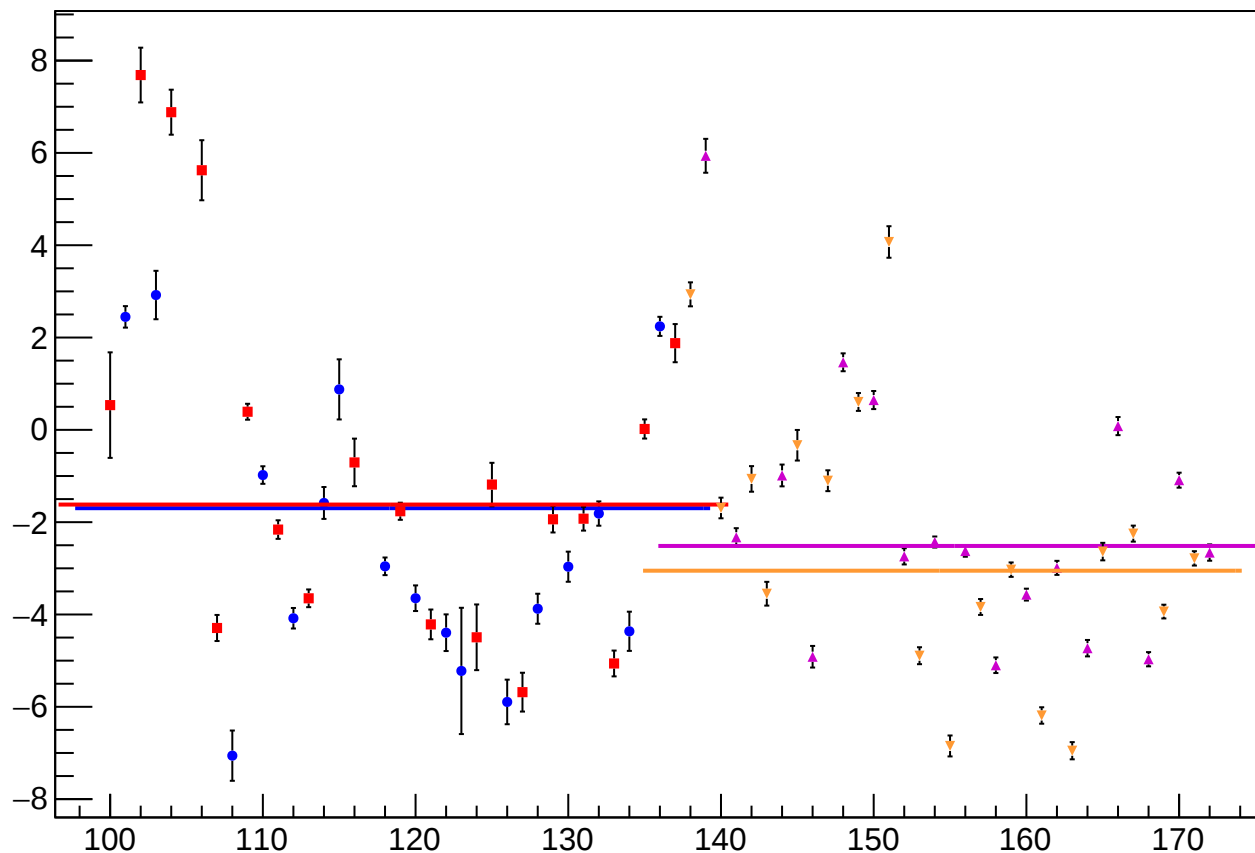
Right: -2.391 ± 0.074 χ^2/NDF : 1368.3/35

In: 14.892 ± 0.044 χ^2/NDF : 63827.3/33

Out: 17.059 ± 0.048 χ^2/NDF : 105058.1/36

All: 15.880 ± 0.032 χ^2/NDF : 169992.7/70

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: -3.051 ± 0.047 χ^2/NDF : 2771.1/17

Right Out: -1.618 ± 0.066 χ^2/NDF : 1489.2/18

Left In: -2.515 ± 0.041 χ^2/NDF : 2334.2/16

Left: -2.748 ± 0.031 χ^2/NDF : 5179.8/34

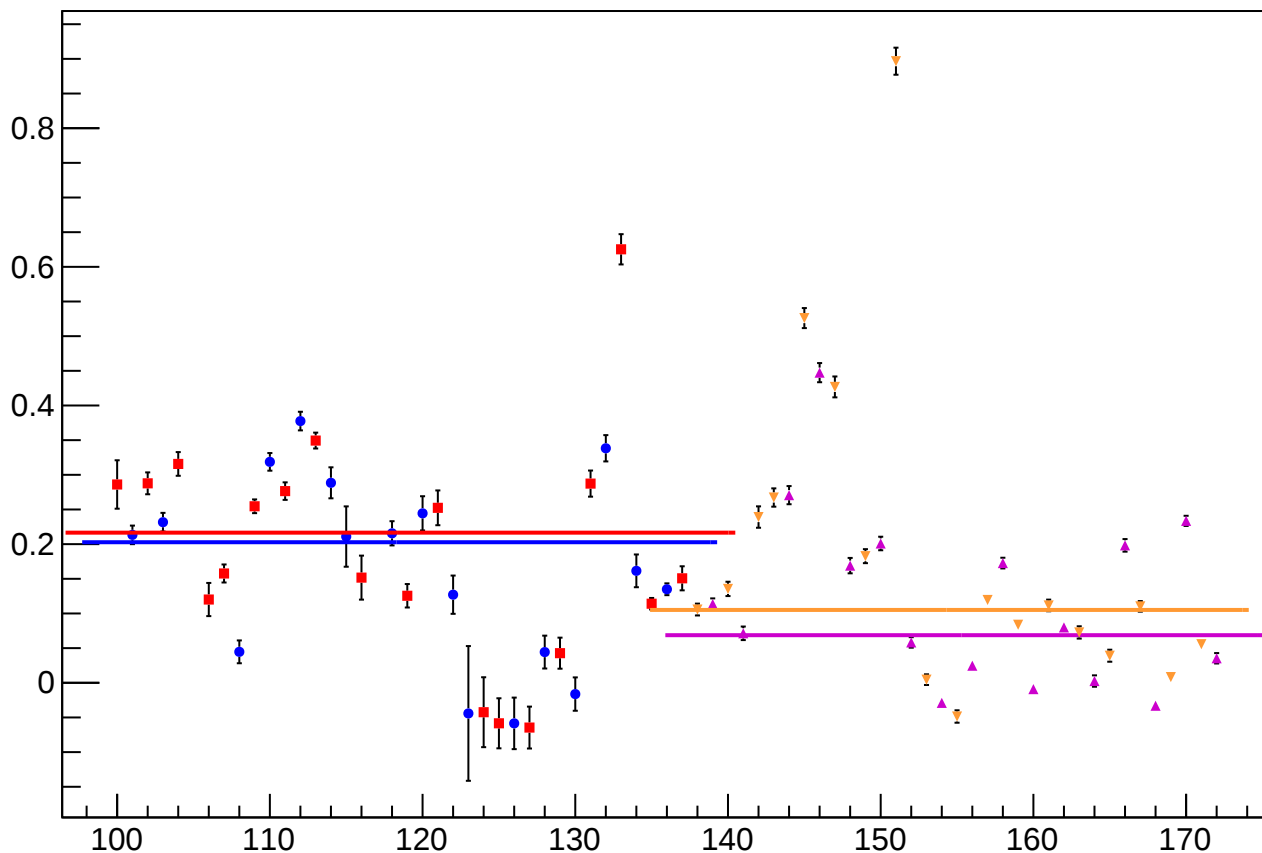
Right: -1.655 ± 0.048 χ^2/NDF : 2809.3/35

In: -2.312 ± 0.035 χ^2/NDF : 3753.0/33

Out: -2.570 ± 0.038 χ^2/NDF : 4576.4/36

All: -2.432 ± 0.026 χ^2/NDF : 8354.1/70

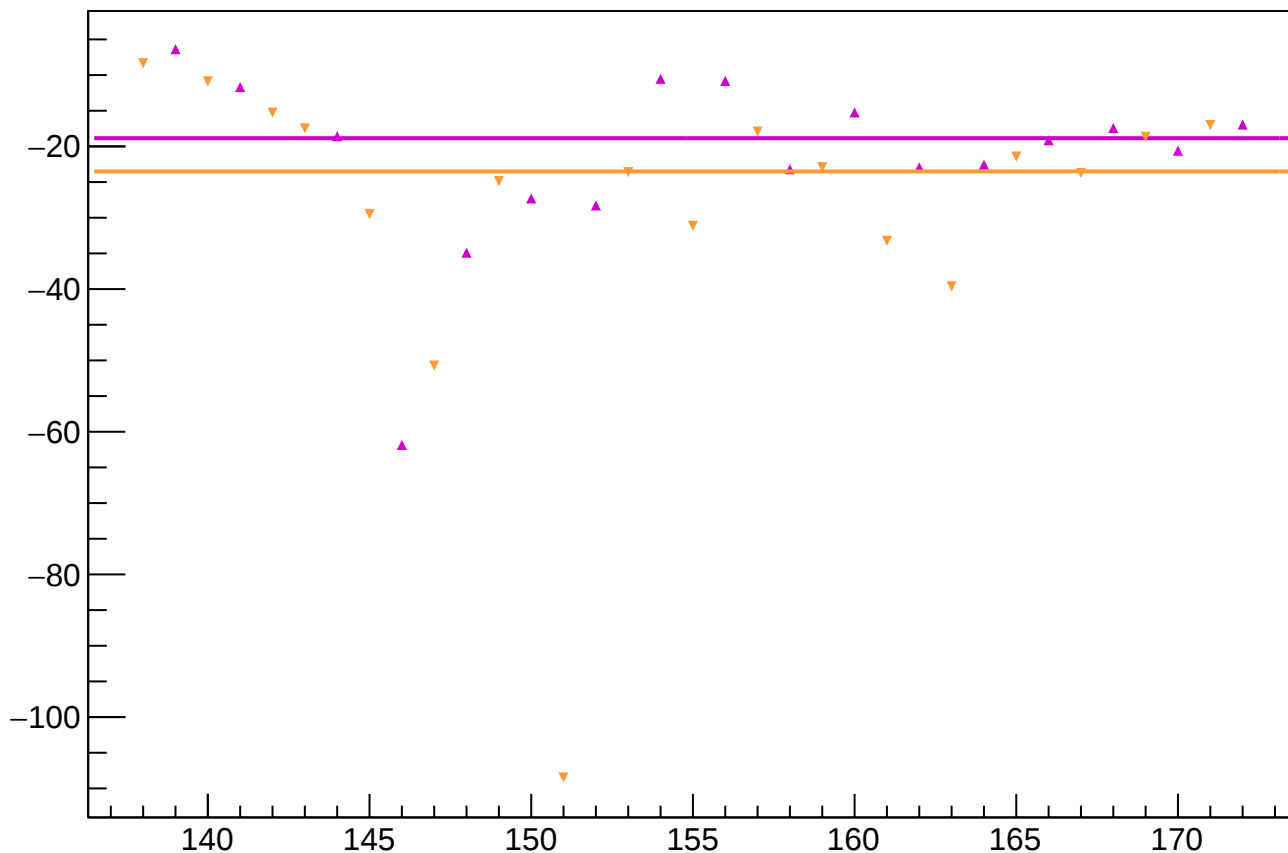
reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.203 $\pm$ 0.004 χ^2 /NDF: 676.5/16
 Left Out: 0.105 $\pm$ 0.002 χ^2 /NDF:4054.5/17
 Right Out: 0.217 $\pm$ 0.004 χ^2 /NDF: 1064.4/18
 Left In: 0.069 $\pm$ 0.002 χ^2 /NDF:3199.7/16

Left: 0.084 $\pm$ 0.001 χ^2 /NDF: 7430.1/34
 Right: 0.210 $\pm$ 0.003 χ^2 /NDF: 1747.1/35
 In: 0.090 $\pm$ 0.002 χ^2 /NDF:4756.6/33
 Out: 0.132 $\pm$ 0.002 χ^2 /NDF:5807.7/36
 All: 0.109 $\pm$ 0.001 χ^2 /NDF: 10865.6/70

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.508+/-0.055 χ^2/NDF : 58997.0/17

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

Left In: -18.846+/-0.049 χ^2/NDF : 37204.3/16

Left: -20.890+/-0.037 χ^2/NDF : 100192.6/34

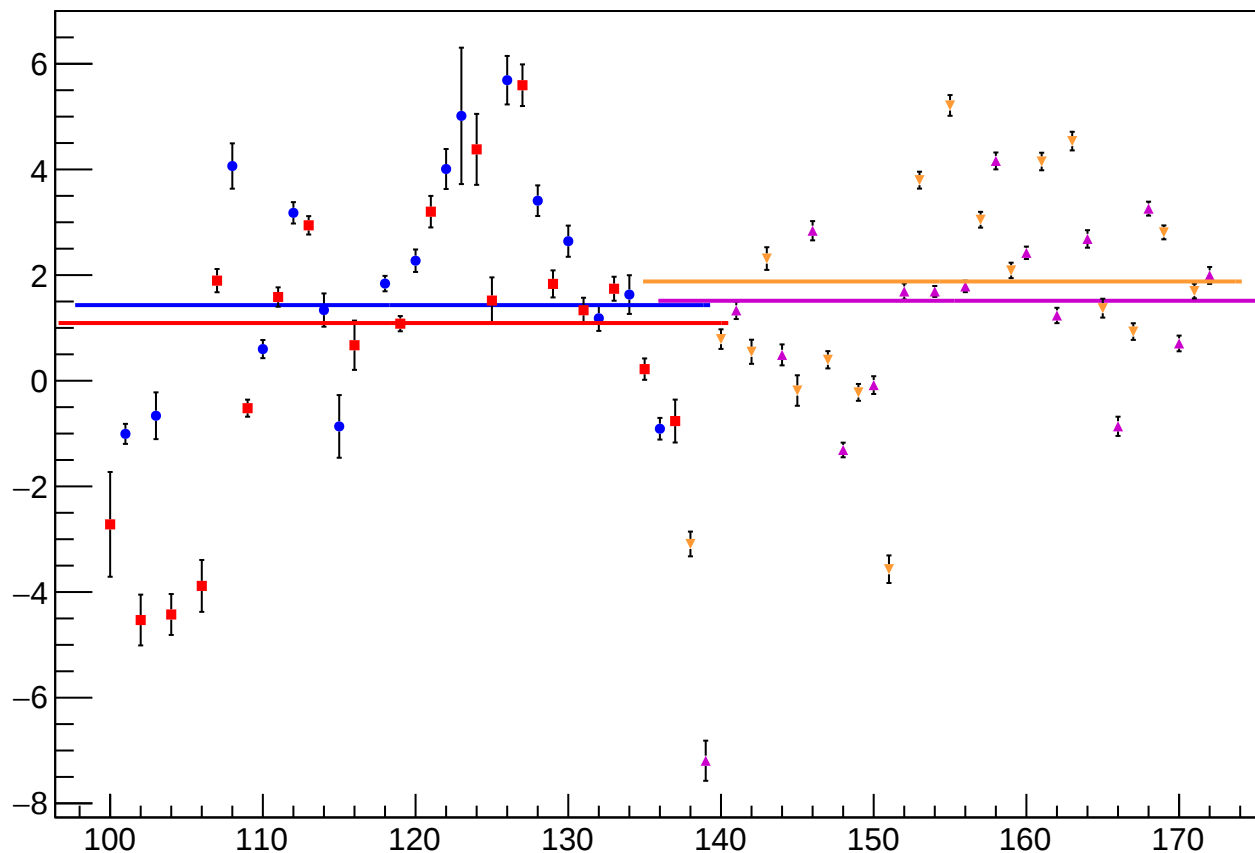
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.846+/-0.049 χ^2/NDF : 37204.3/16

Out: -23.508+/-0.055 χ^2/NDF : 58997.0/17

All: -20.890+/-0.037 χ^2/NDF : 100192.6/34

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.432 ± 0.062 χ^2/NDF : 696.6/16

Left Out: 1.879 ± 0.041 χ^2/NDF : 2269.1/17

Right Out: 1.092 ± 0.058 χ^2/NDF : 953.2/18

Left In: 1.514 ± 0.036 χ^2/NDF : 1894.0/16

Left: 1.673 ± 0.027 χ^2/NDF : 4208.1/34

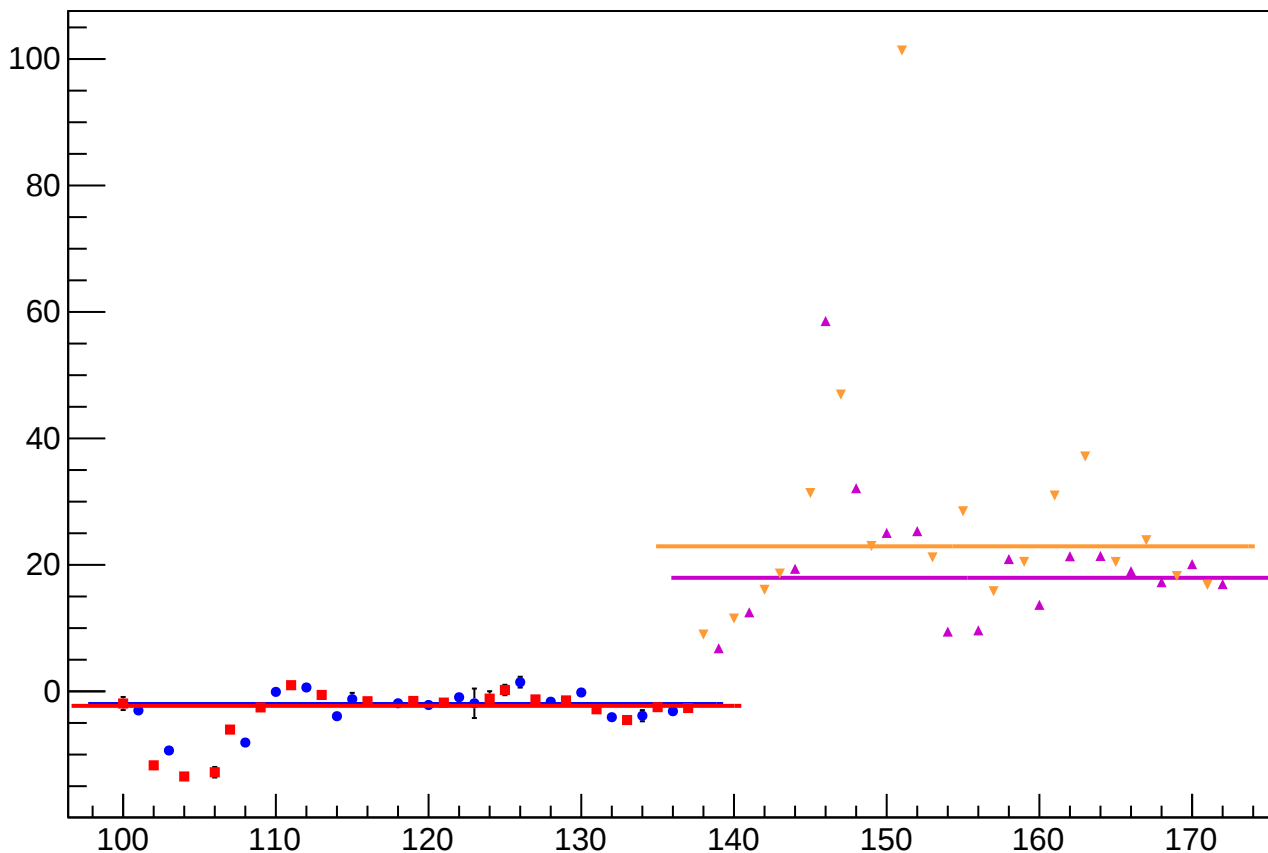
Right: 1.251 ± 0.042 χ^2/NDF : 1665.8/35

In: 1.493 ± 0.031 χ^2/NDF : 2591.9/33

Out: 1.617 ± 0.033 χ^2/NDF : 3345.6/36

All: 1.550 ± 0.023 χ^2/NDF : 5944.8/70

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.005 ± 0.111 χ^2/NDF : 463.1/16

Left Out: 22.935 ± 0.055 χ^2/NDF : 52846.0/17

Right Out: -2.295 ± 0.098 χ^2/NDF : 907.2/18

Left In: 17.954 ± 0.048 χ^2/NDF : 35234.4/16

Left: 20.105 ± 0.036 χ^2/NDF : 92817.9/34

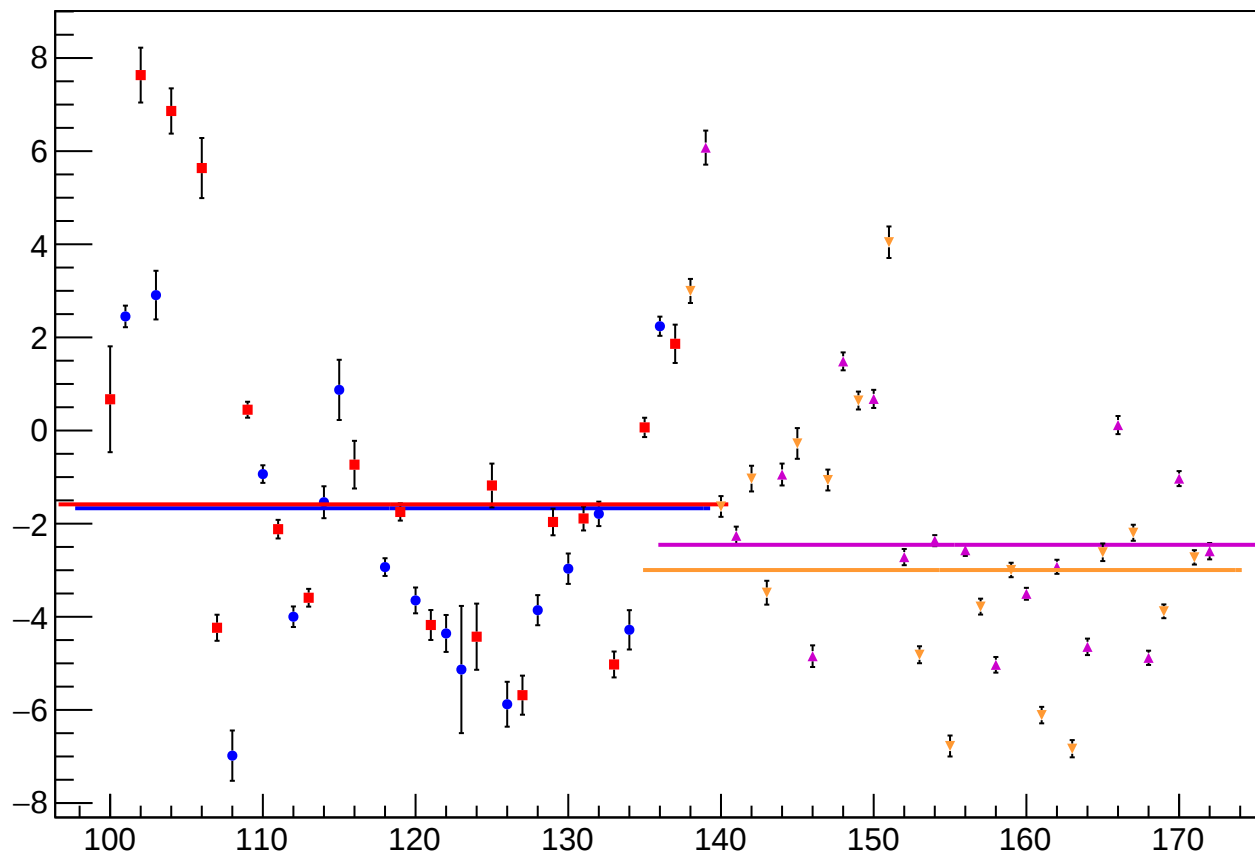
Right: -2.167 ± 0.074 χ^2/NDF : 1374.2/35

In: 14.845 ± 0.044 χ^2/NDF : 63133.0/33

Out: 17.010 ± 0.048 χ^2/NDF : 103996.5/36

All: 15.833 ± 0.032 χ^2/NDF : 168248.4/70

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: -2.996 ± 0.046 χ^2/NDF : 2769.4/17

Right Out: -1.585 ± 0.065 χ^2/NDF : 1494.7/18

Left In: -2.454 ± 0.041 χ^2/NDF : 2344.7/16

Left: -2.689 ± 0.031 χ^2/NDF : 5191.3/34

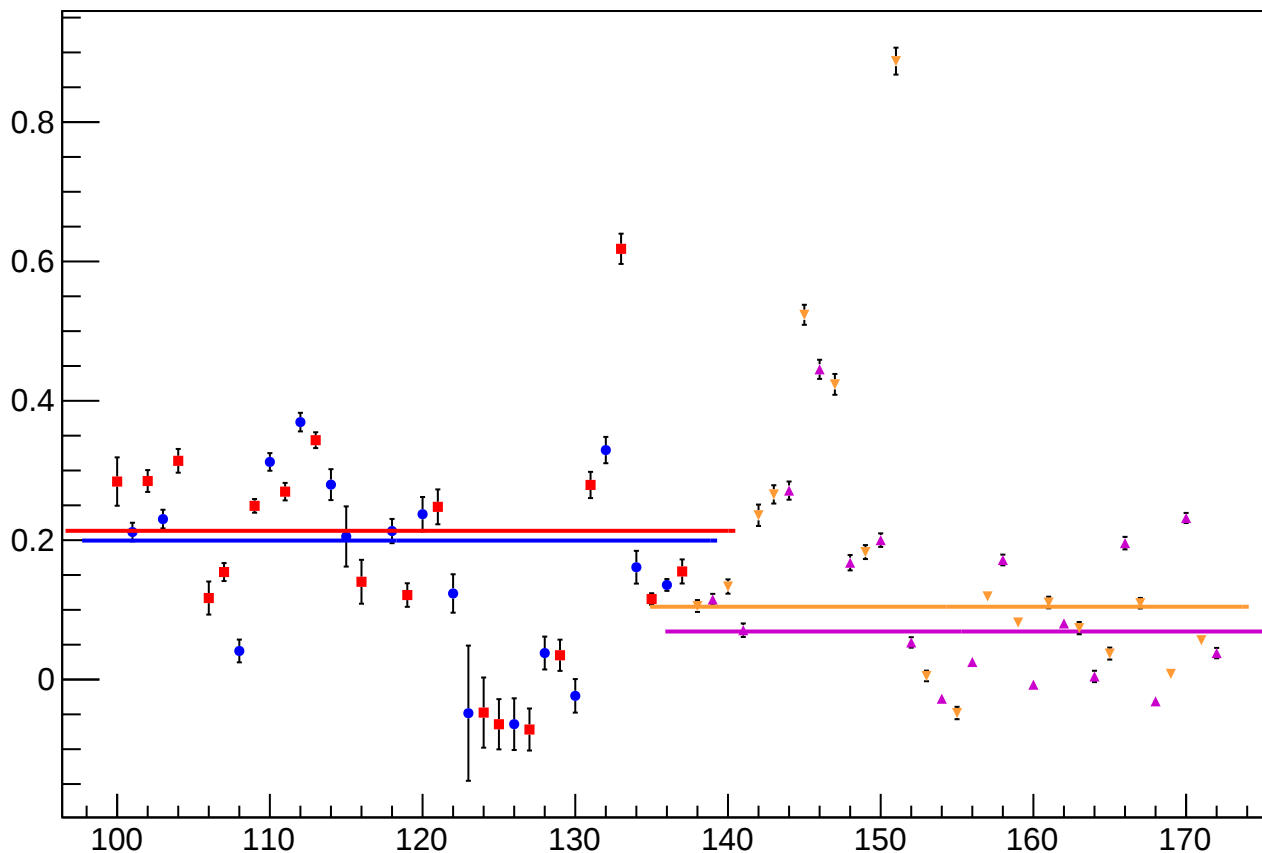
Right: -1.624 ± 0.048 χ^2/NDF : 2810.4/35

In: -2.260 ± 0.035 χ^2/NDF : 3752.2/33

Out: -2.523 ± 0.038 χ^2/NDF : 4573.8/36

All: -2.382 ± 0.026 χ^2/NDF : 8352.0/70

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.199 $\pm$ 0.004 χ^2 /NDF: 662.1/16

Left Out: 0.104 $\pm$ 0.002 χ^2 /NDF: 4046.8/17

Right Out: 0.213 $\pm$ 0.004 χ^2 /NDF: 1048.2/18

Left In: 0.069 $\pm$ 0.002 χ^2 /NDF: 3173.8/16

Left: 0.084 $\pm$ 0.001 χ^2 /NDF: 7390.2/34

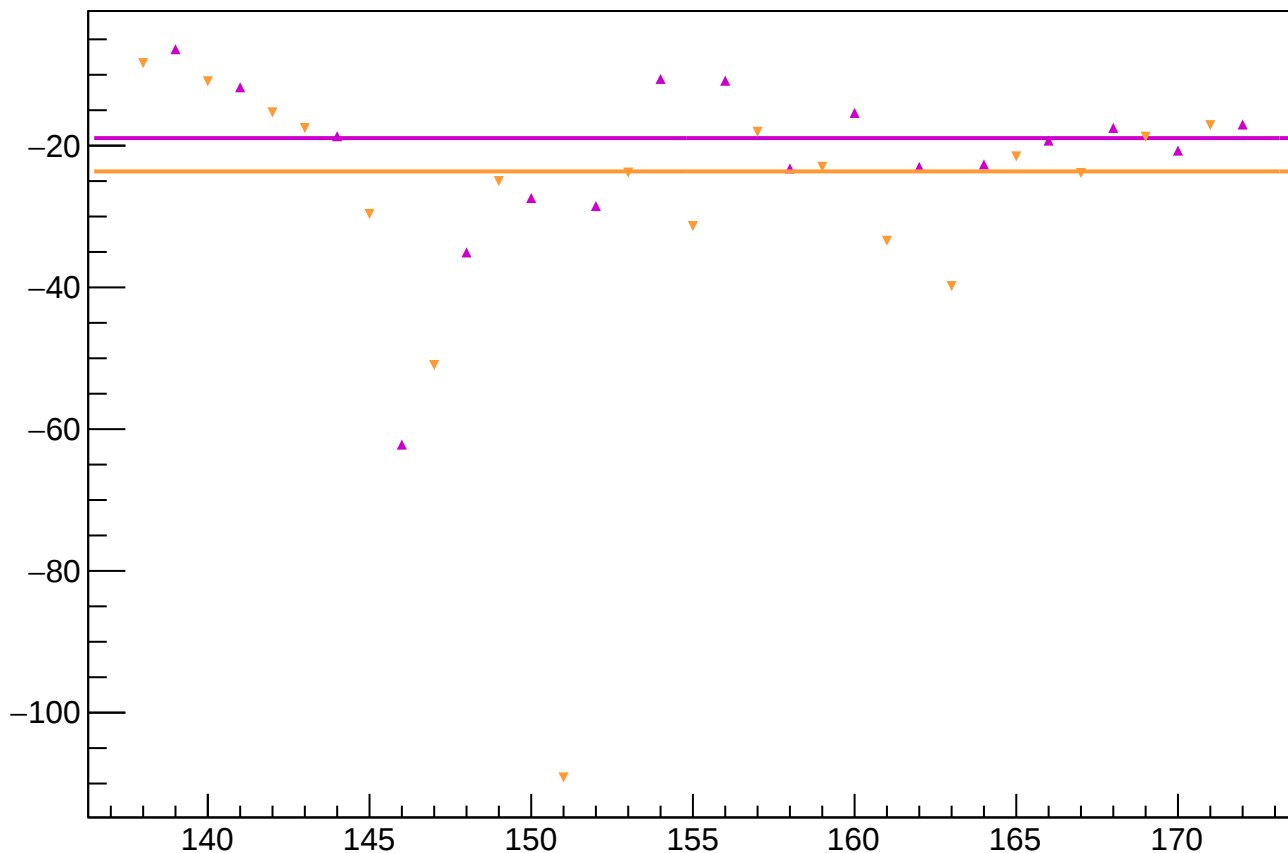
Right: 0.207 $\pm$ 0.003 χ^2 /NDF: 1716.7/35

In: 0.089 $\pm$ 0.002 χ^2 /NDF: 4678.1/33

Out: 0.131 $\pm$ 0.002 χ^2 /NDF: 5760.2/36

All: 0.108 $\pm$ 0.001 χ^2 /NDF: 10729.5/70

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -23.635+/-0.056 χ^2/NDF : 59118.9/17

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

Left In: -18.937+/-0.049 χ^2/NDF : 37273.5/16

Left: -20.996+/-0.037 χ^2/NDF : 100413.1/34

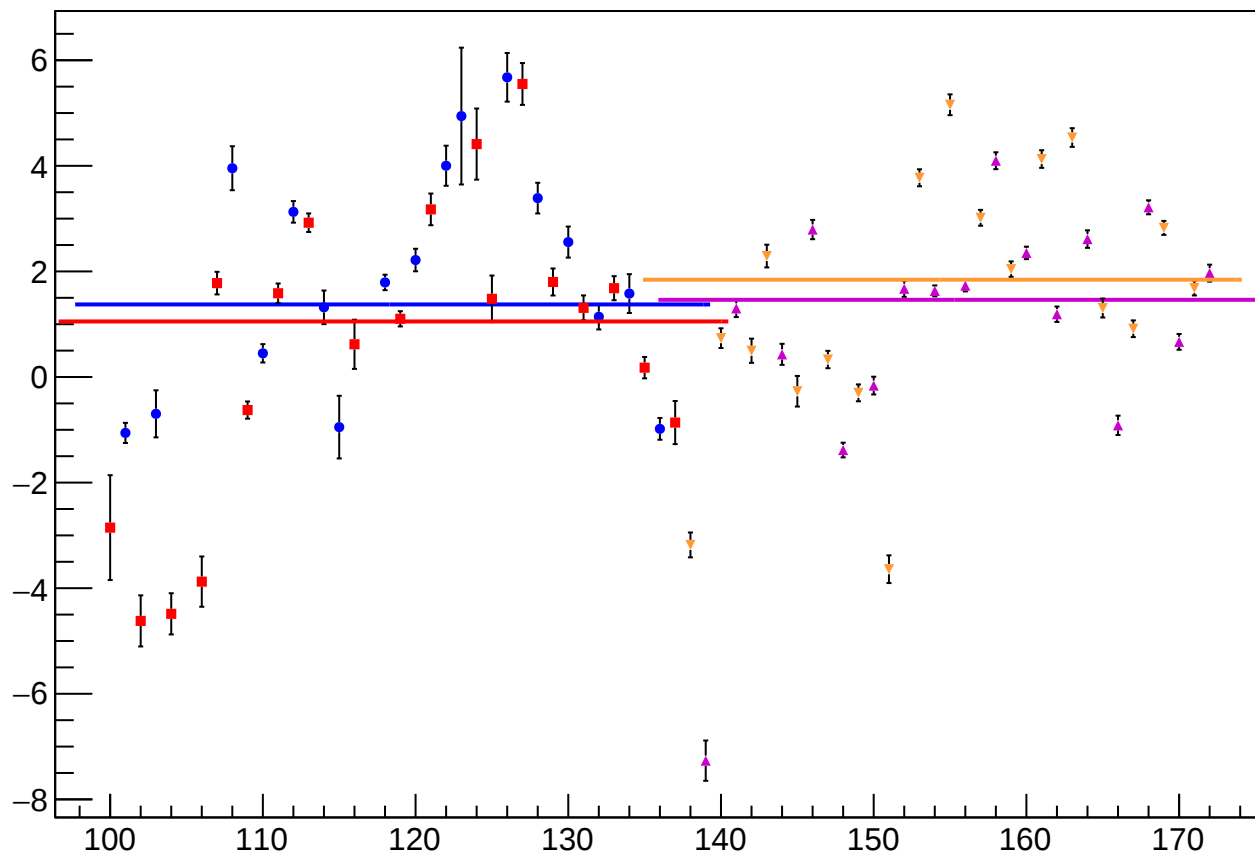
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -18.937+/-0.049 χ^2/NDF : 37273.5/16

Out: -23.635+/-0.056 χ^2/NDF : 59118.9/17

All: -20.996+/-0.037 χ^2/NDF : 100413.1/34

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.375 $\pm$ 0.062 χ^2 /NDF: 702.4/16

Left Out: 1.843 $\pm$ 0.041 χ^2 /NDF:2291.3/17

Right Out: 1.052 $\pm$ 0.058 χ^2 /NDF: 964.0/18

Left In: 1.462 $\pm$ 0.036 χ^2 /NDF:1886.8/16

Left: 1.628 $\pm$ 0.027 χ^2 /NDF: 4226.8/34

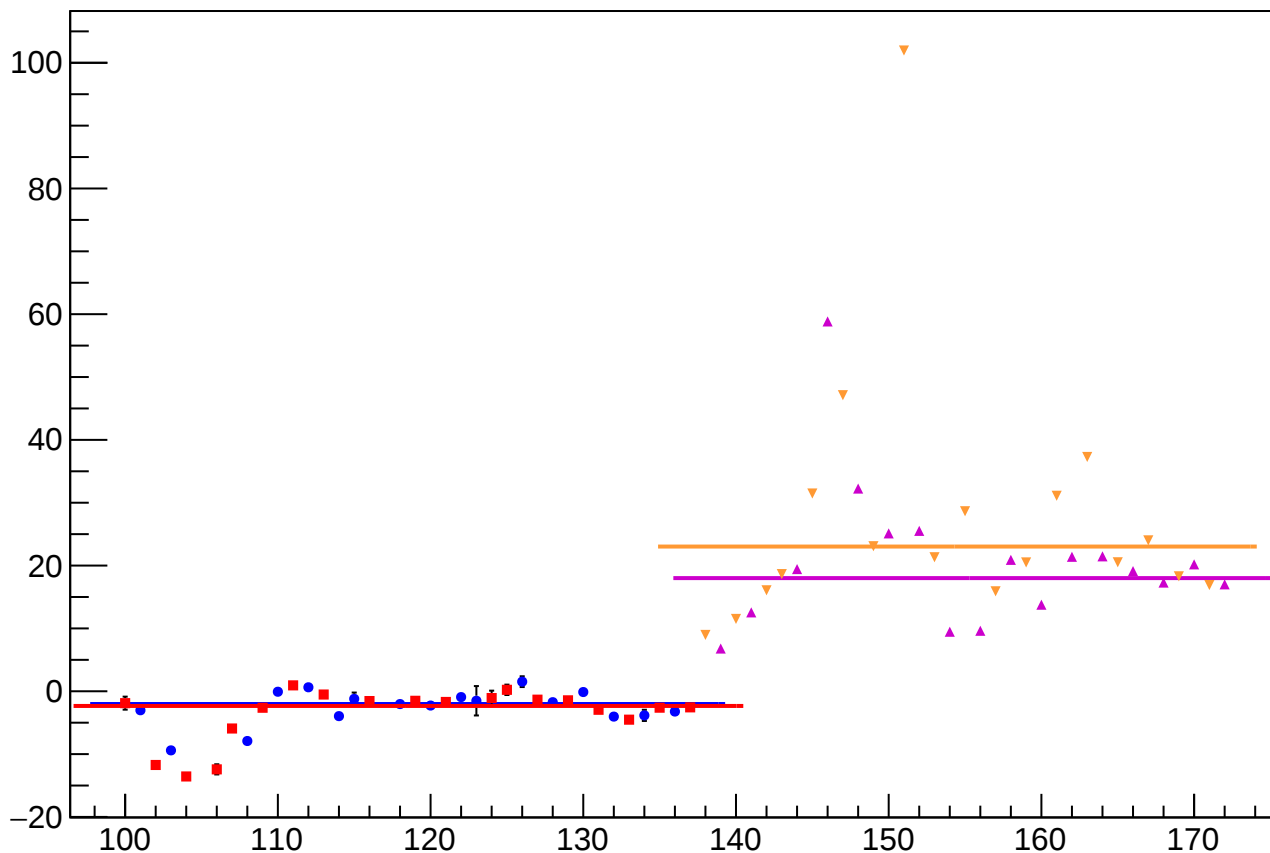
Right: 1.203 $\pm$ 0.042 χ^2 /NDF: 1680.9/35

In: 1.440 $\pm$ 0.031 χ^2 /NDF:2590.7/33

Out: 1.579 $\pm$ 0.034 χ^2 /NDF:3379.2/36

All: 1.504 $\pm$ 0.023 χ^2 /NDF: 5979.1/70

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: 23.026 ± 0.055 χ^2/NDF : 52953.0/17

Right Out: -2.336 ± 0.099 χ^2/NDF : 902.0/18

Left In: 18.006 ± 0.048 χ^2/NDF : 35311.8/16

Left: 20.173 ± 0.036 χ^2/NDF : 93039.8/34

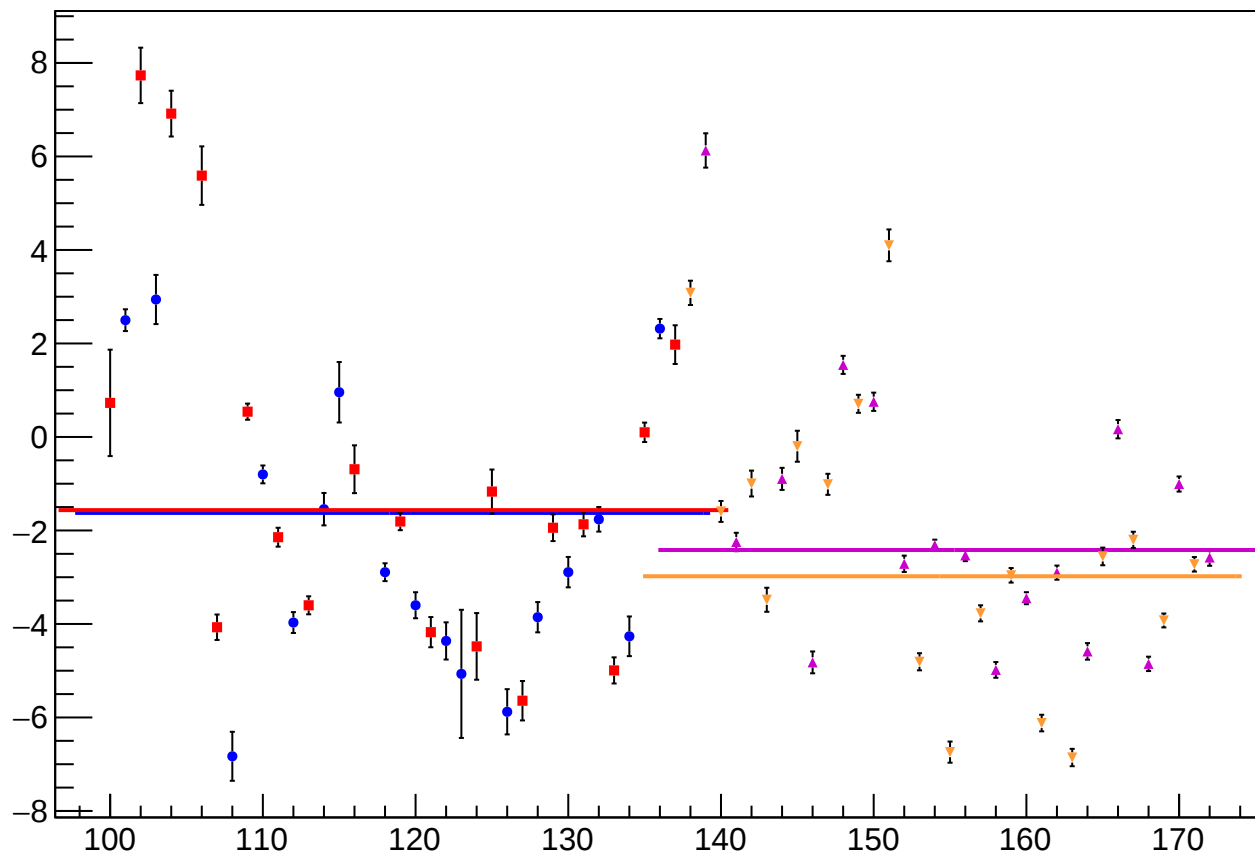
Right: -2.202 ± 0.074 χ^2/NDF : 1369.3/35

In: 14.893 ± 0.044 χ^2/NDF : 63147.2/33

Out: 17.076 ± 0.048 χ^2/NDF : 104149.3/36

All: 15.888 ± 0.032 χ^2/NDF : 168425.0/70

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.625+/-0.071 χ^2/NDF : 1320.8/16

Left Out: -2.980+/-0.047 χ^2/NDF : 2797.8/17

Right Out: -1.565+/-0.066 χ^2/NDF : 1505.8/18

Left In: -2.418+/-0.041 χ^2/NDF : 2336.3/16

Left: -2.662+/-0.031 χ^2/NDF : 5216.4/34

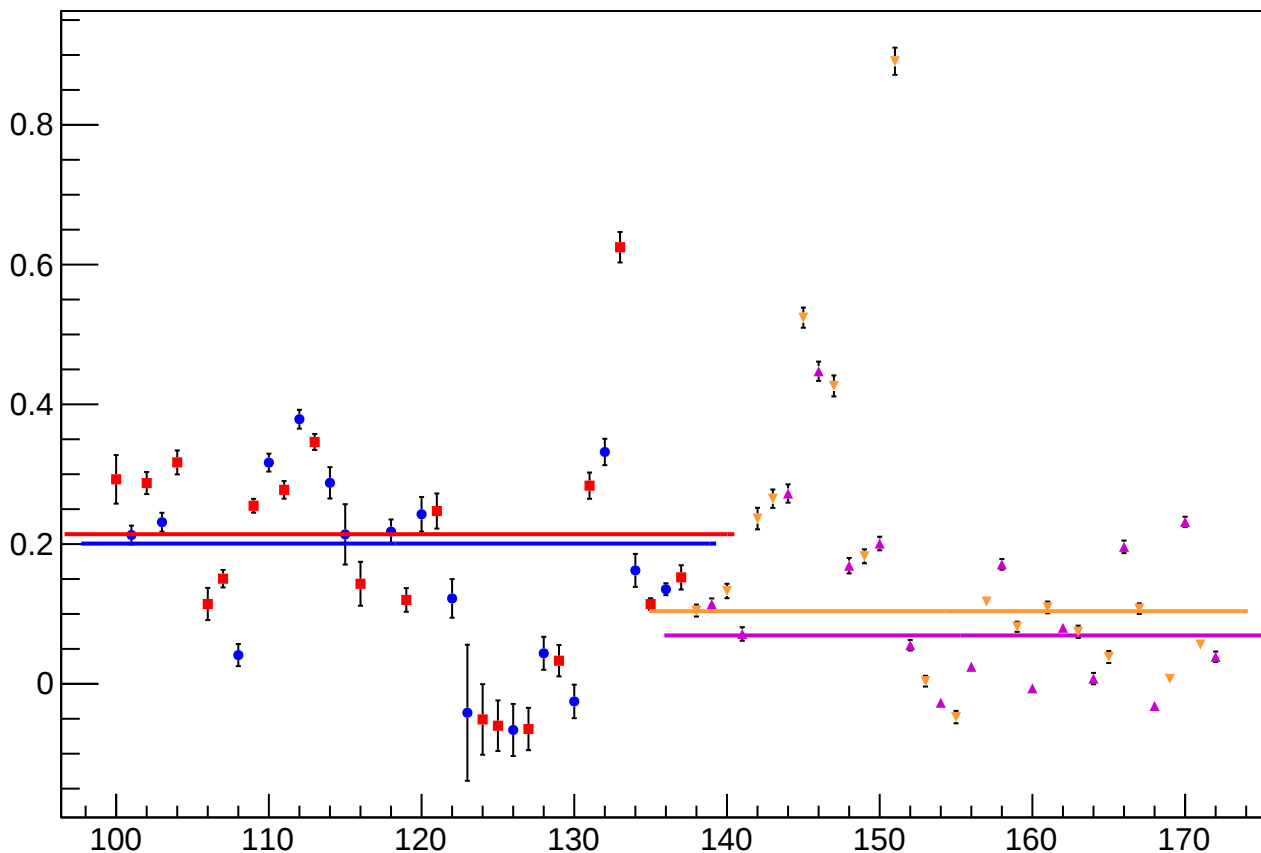
Right: -1.592+/-0.048 χ^2/NDF : 2826.9/35

In: -2.221+/-0.035 χ^2/NDF : 3750.6/33

Out: -2.505+/-0.038 χ^2/NDF : 4612.8/36

All: -2.353+/-0.026 χ^2/NDF : 8393.3/70

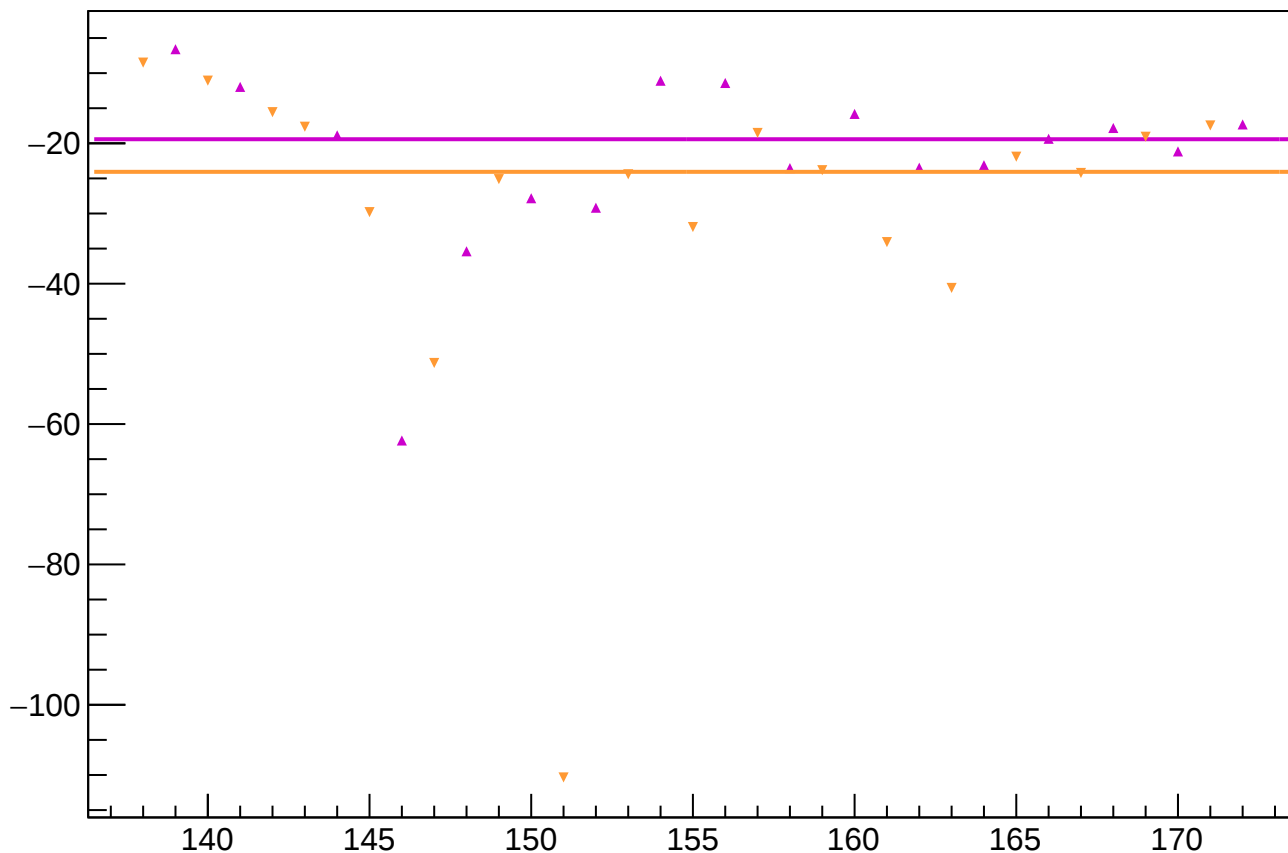
reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.201 ± 0.004 χ^2/NDF : 690.6/16
 Left Out: 0.104 ± 0.002 χ^2/NDF : 4034.4/17
 Right Out: 0.214 ± 0.004 χ^2/NDF : 1080.4/18
 Left In: 0.069 ± 0.002 χ^2/NDF : 3152.3/16

Left: 0.084 ± 0.001 χ^2/NDF : 7347.6/34
 Right: 0.208 ± 0.003 χ^2/NDF : 1776.9/35
 In: 0.090 ± 0.002 χ^2/NDF : 4691.8/33
 Out: 0.131 ± 0.002 χ^2/NDF : 5791.5/36
 All: 0.108 ± 0.001 χ^2/NDF : 10764.9/70

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.063+/-0.057 χ^2/NDF : 58983.7/17

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

Left In: -19.419+/-0.050 χ^2/NDF : 36146.8/16

Left: -21.464+/-0.038 χ^2/NDF : 98895.7/34

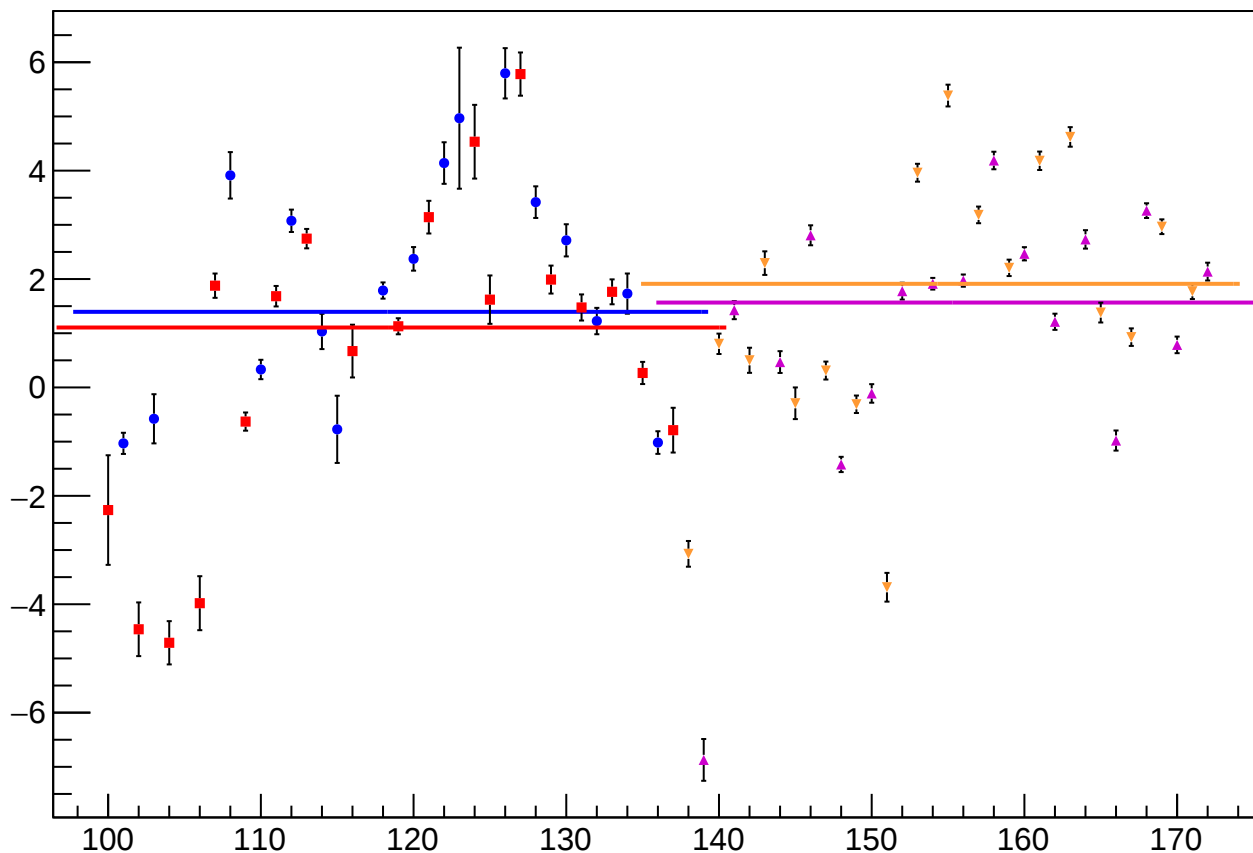
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.419+/-0.050 χ^2/NDF : 36146.8/16

Out: -24.063+/-0.057 χ^2/NDF : 58983.7/17

All: -21.464+/-0.038 χ^2/NDF : 98895.7/34

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.395 $\pm$ 0.063 χ^2 /NDF: 701.4/16

Left Out: 1.912 $\pm$ 0.042 χ^2 /NDF:2337.0/17

Right Out: 1.106 $\pm$ 0.059 χ^2 /NDF: 937.0/18

Left In: 1.566 $\pm$ 0.037 χ^2 /NDF:1877.8/16

Left: 1.717 $\pm$ 0.028 χ^2 /NDF: 4253.1/34

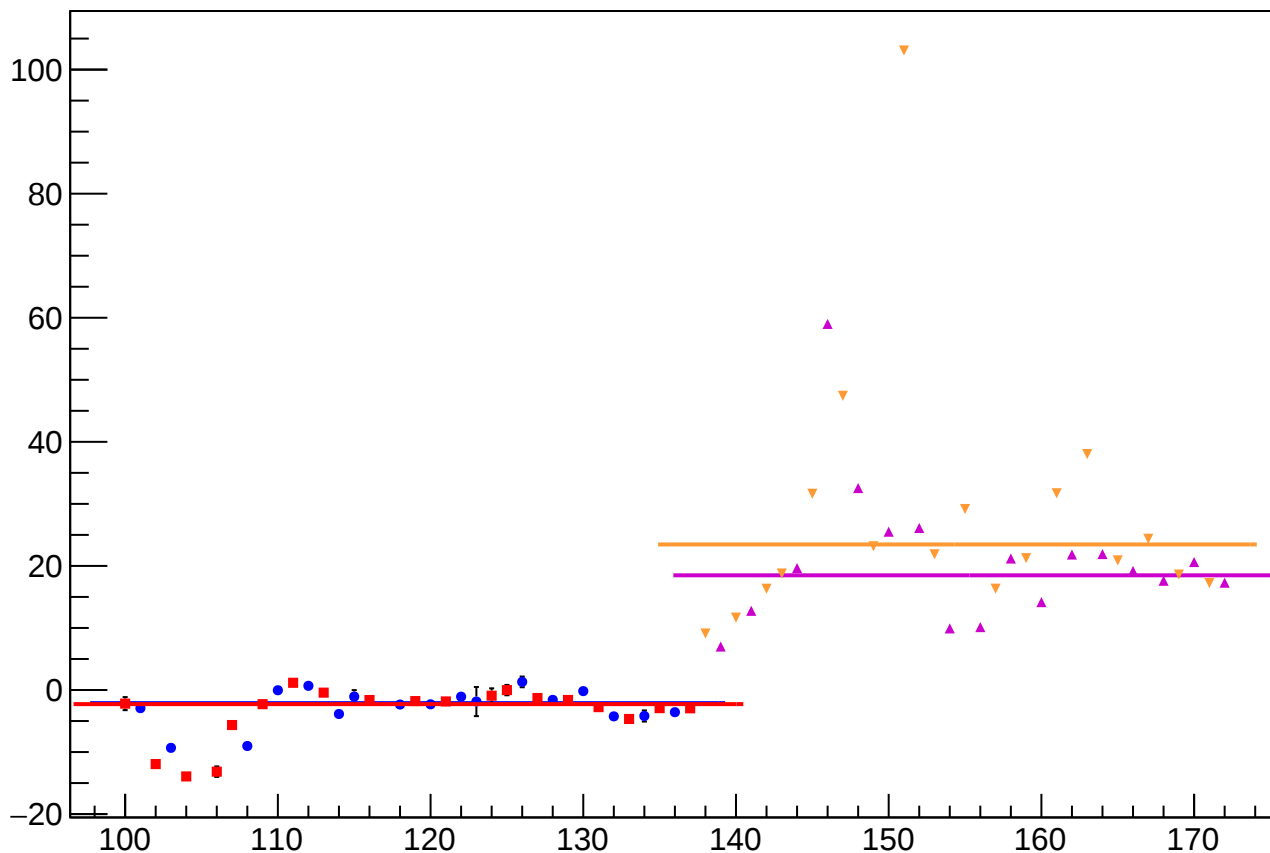
Right: 1.241 $\pm$ 0.043 χ^2 /NDF: 1649.6/35

In: 1.522 $\pm$ 0.032 χ^2 /NDF:2584.7/33

Out: 1.643 $\pm$ 0.034 χ^2 /NDF:3397.4/36

All: 1.578 $\pm$ 0.023 χ^2 /NDF: 5988.7/70

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: 23.461 ± 0.056 χ^2/NDF : 52690.1/17

Right Out: -2.277 ± 0.101 χ^2/NDF : 919.4/18

Left In: 18.488 ± 0.049 χ^2/NDF : 34055.7/16

Left: 20.646 ± 0.037 χ^2/NDF : 91233.0/34

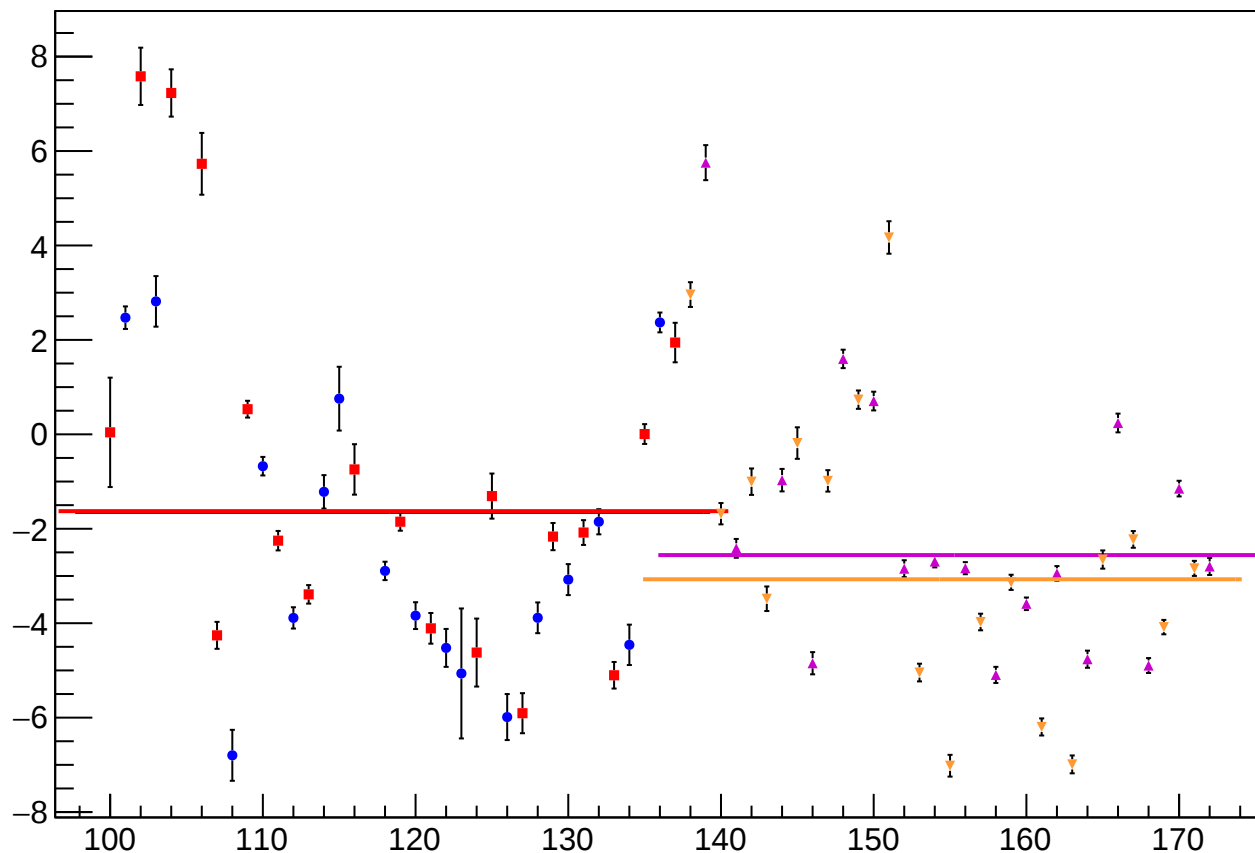
Right: -2.207 ± 0.075 χ^2/NDF : 1406.8/35

In: 15.251 ± 0.045 χ^2/NDF : 62425.7/33

Out: 17.435 ± 0.049 χ^2/NDF : 103307.9/36

All: 16.250 ± 0.033 χ^2/NDF : 166816.4/70

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -1.643 ± 0.072 $\chi^2/\text{NDF}: 1310.1/16$

Left Out: -3.070 ± 0.048 $\chi^2/\text{NDF}: 2840.9/17$

Right Out: -1.627 ± 0.067 $\chi^2/\text{NDF}: 1468.1/18$

Left In: -2.557 ± 0.042 $\chi^2/\text{NDF}: 2301.5/16$

Left: -2.781 ± 0.031 $\chi^2/\text{NDF}: 5207.9/34$

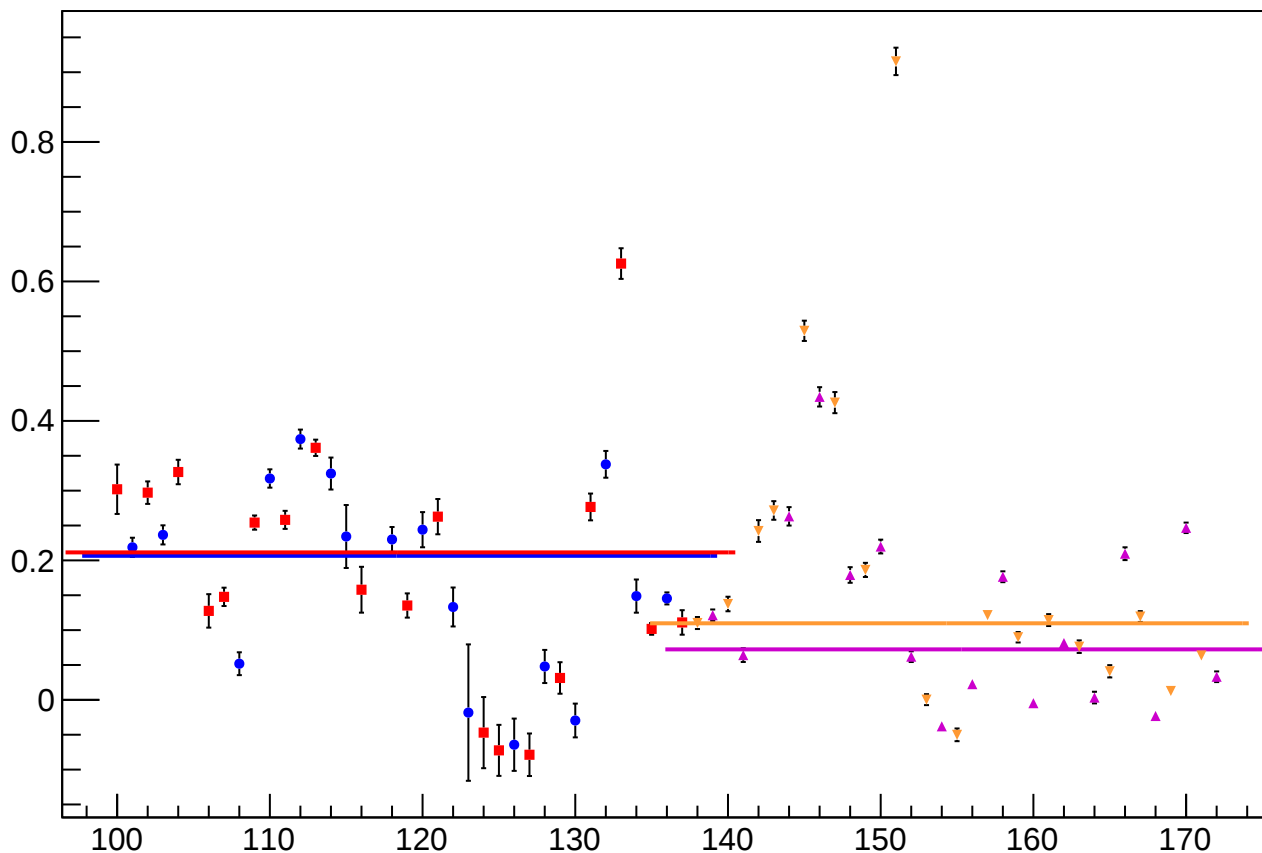
Right: -1.635 ± 0.049 $\chi^2/\text{NDF}: 2778.2/35$

In: -2.329 ± 0.036 $\chi^2/\text{NDF}: 3731.3/33$

Out: -2.586 ± 0.039 $\chi^2/\text{NDF}: 4617.8/36$

All: -2.449 ± 0.026 $\chi^2/\text{NDF}: 8372.7/70$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.207 $\pm$ 0.004 χ^2/NDF : 655.0/16

Left Out: 0.110 $\pm$ 0.002 χ^2/NDF : 4059.8/17

Right Out: 0.211 $\pm$ 0.004 χ^2/NDF : 1145.6/18

Left In: 0.072 $\pm$ 0.002 χ^2/NDF : 3244.9/16

Left: 0.088 $\pm$ 0.001 χ^2/NDF : 7482.7/34

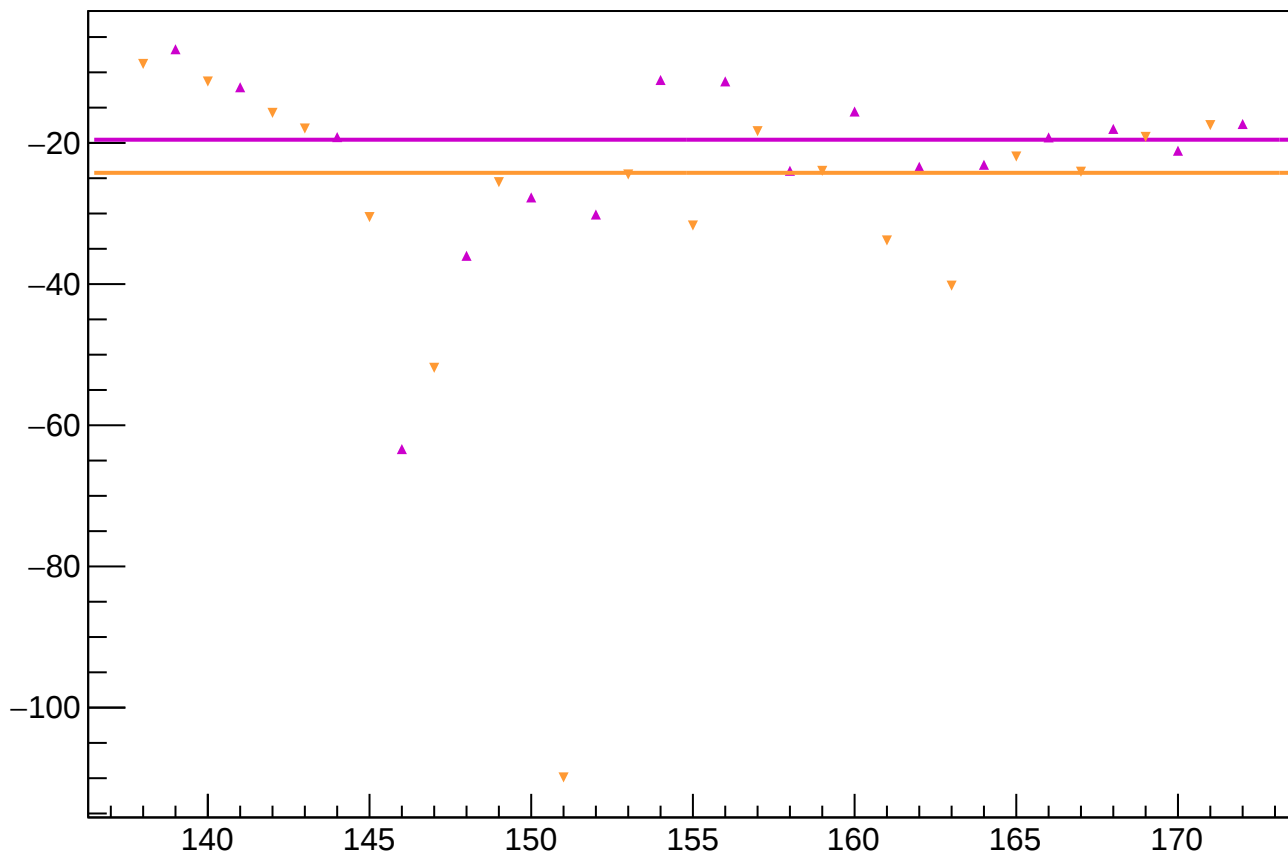
Right: 0.209 $\pm$ 0.003 χ^2/NDF : 1801.3/35

In: 0.094 $\pm$ 0.002 χ^2/NDF : 4751.7/33

Out: 0.134 $\pm$ 0.002 χ^2/NDF : 5758.5/36

All: 0.112 $\pm$ 0.001 χ^2/NDF : 10777.8/70

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug, Sign Corrected



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

Left Out: -24.236+/-0.057 χ^2/NDF :57801.1/17

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

Left In: -19.546+/-0.051 χ^2/NDF :36446.7/16

Left: -21.619+/-0.038 χ^2/NDF : 98003.4/34

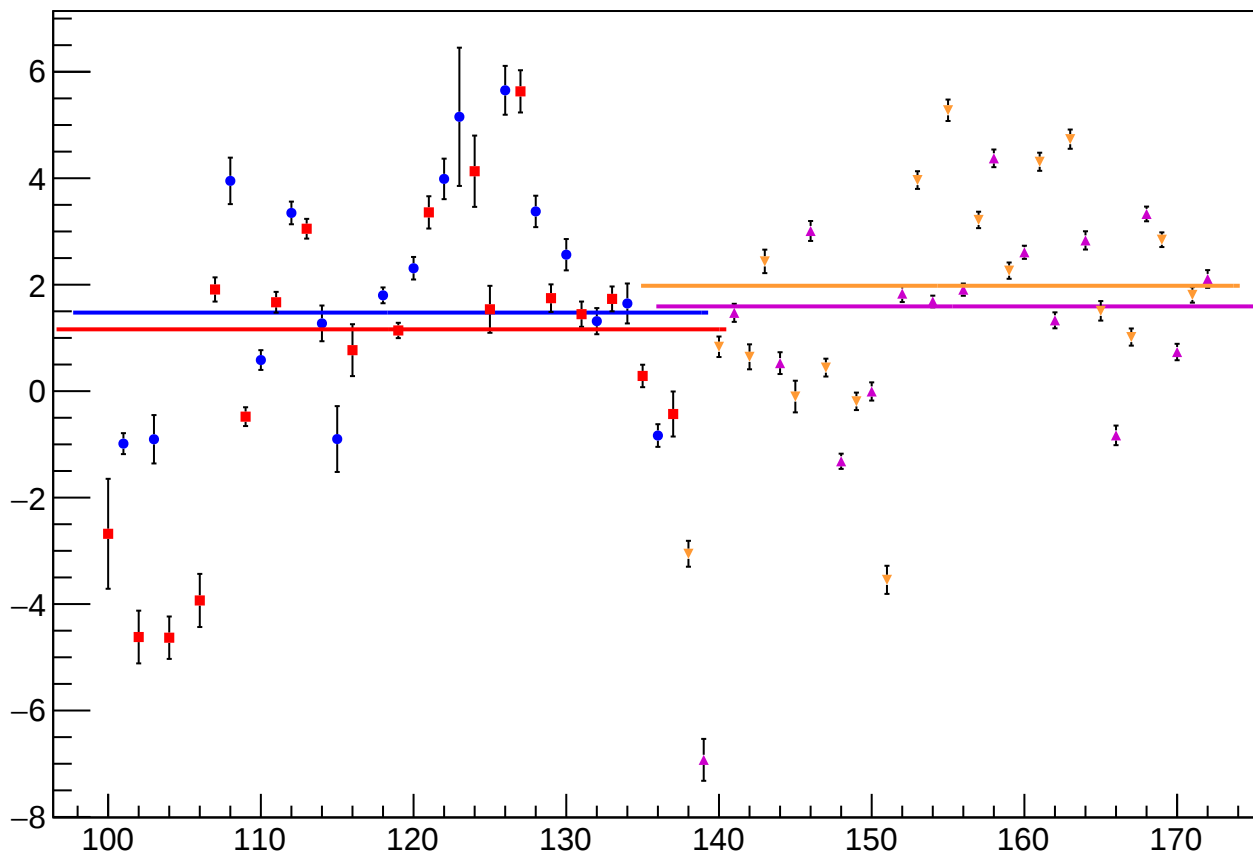
Right: 0.000+/-0.000 χ^2/NDF : 0.0/0

In: -19.546+/-0.051 χ^2/NDF :36446.7/16

Out: -24.236+/-0.057 χ^2/NDF :57801.1/17

All: -21.619+/-0.038 χ^2/NDF : 98003.4/34

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: 1.980 ± 0.042 χ^2/NDF : 2226.8/17

Right Out: 1.161 ± 0.060 χ^2/NDF : 917.9/18

Left In: 1.592 ± 0.037 χ^2/NDF : 1841.0/16

Left: 1.762 ± 0.028 χ^2/NDF : 4115.0/34

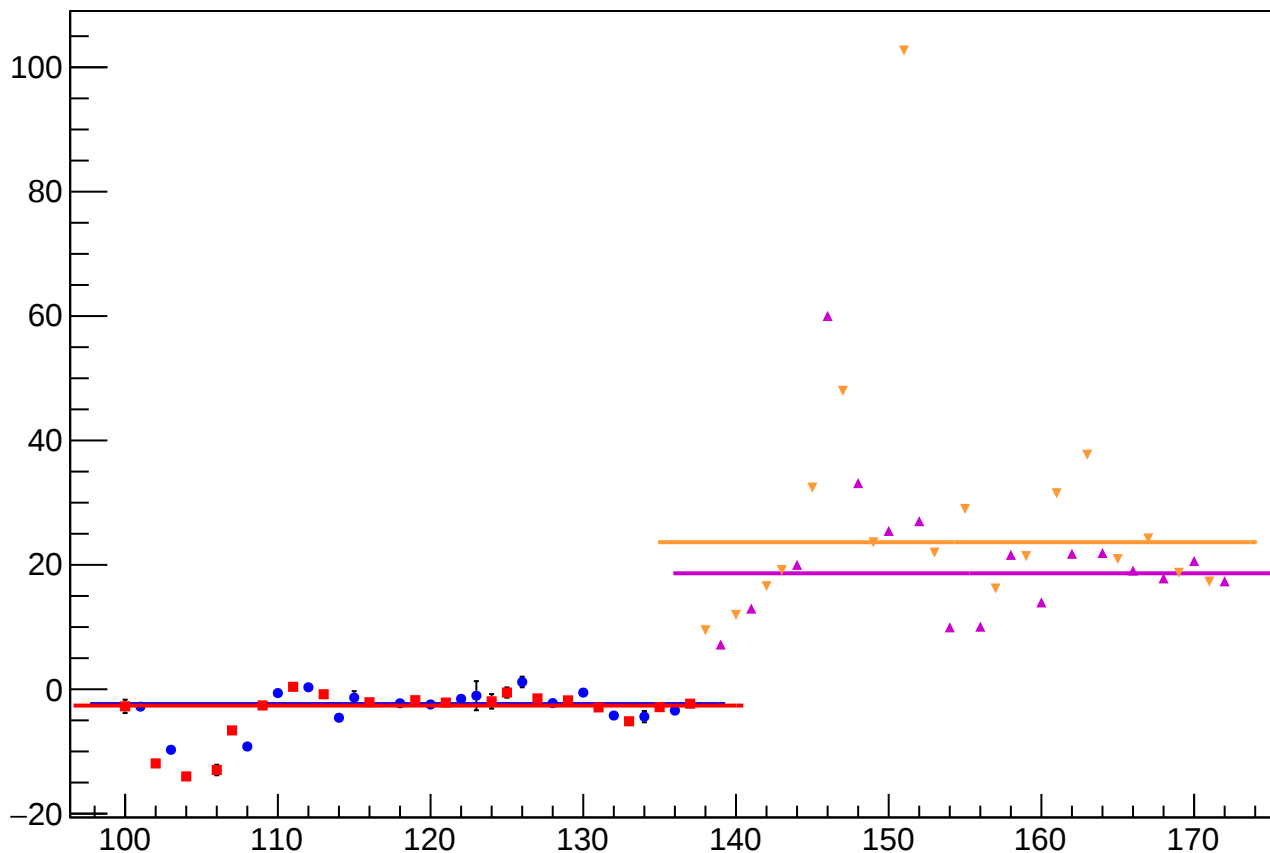
Right: 1.309 ± 0.044 χ^2/NDF : 1590.5/35

In: 1.562 ± 0.032 χ^2/NDF : 2503.2/33

Out: 1.708 ± 0.035 χ^2/NDF : 3269.2/36

All: 1.630 ± 0.024 χ^2/NDF : 5781.9/70

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -2.380 ± 0.115 $\chi^2/\text{NDF}: 438.8/16$

Left Out: 23.645 ± 0.056 $\chi^2/\text{NDF}: 51748.0/17$

Right Out: -2.623 ± 0.103 $\chi^2/\text{NDF}: 841.3/18$

Left In: 18.645 ± 0.050 $\chi^2/\text{NDF}: 34368.7/16$

Left: 20.824 ± 0.037 $\chi^2/\text{NDF}: 90553.1/34$

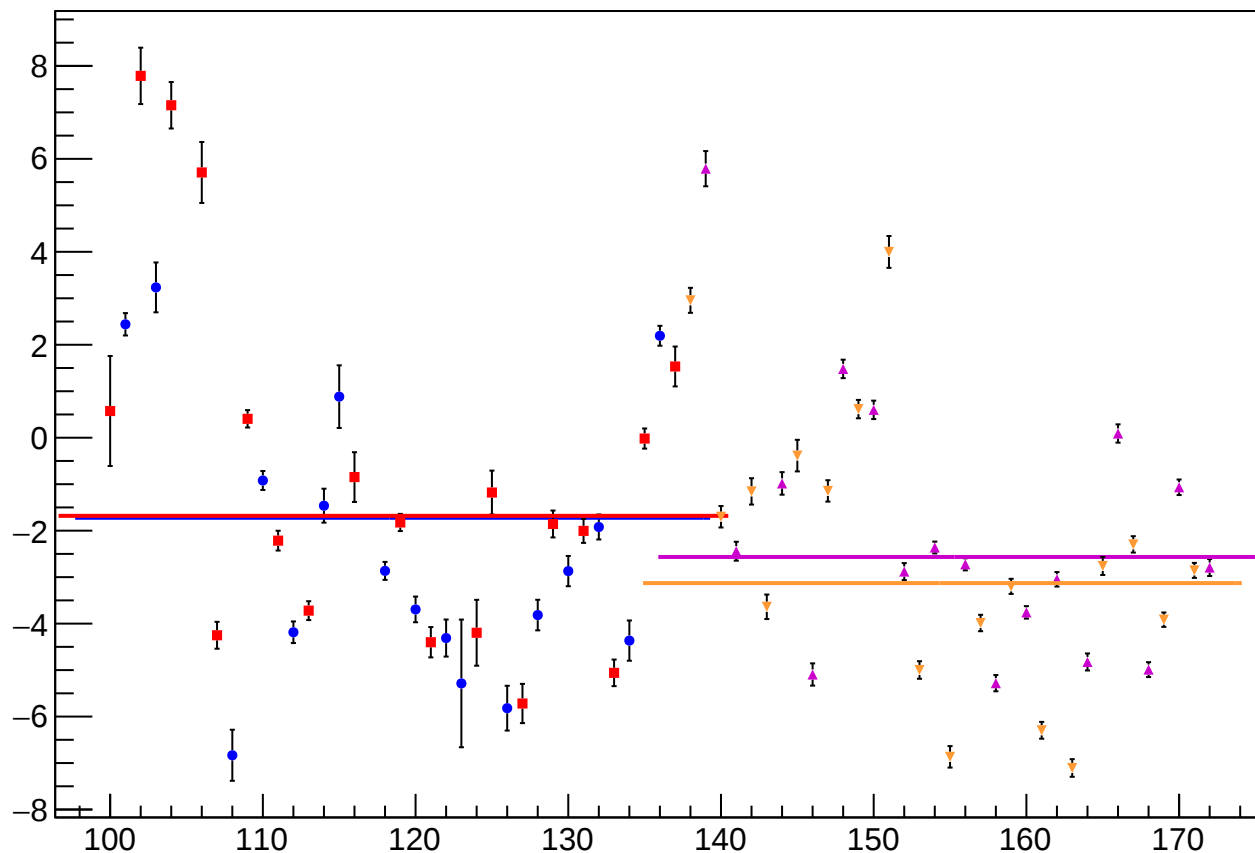
Right: -2.514 ± 0.077 $\chi^2/\text{NDF}: 1282.5/35$

In: 15.354 ± 0.046 $\chi^2/\text{NDF}: 62987.1/33$

Out: 17.611 ± 0.049 $\chi^2/\text{NDF}: 102439.6/36$

All: 16.388 ± 0.033 $\chi^2/\text{NDF}: 166553.7/70$

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: -3.128+/-0.048 χ^2/NDF : 2716.4/17

Right Out: -1.681+/-0.068 χ^2/NDF : 1431.0/18

Left In: -2.566+/-0.042 χ^2/NDF : 2293.4/16

Left: -2.812+/-0.032 χ^2/NDF : 5087.0/34

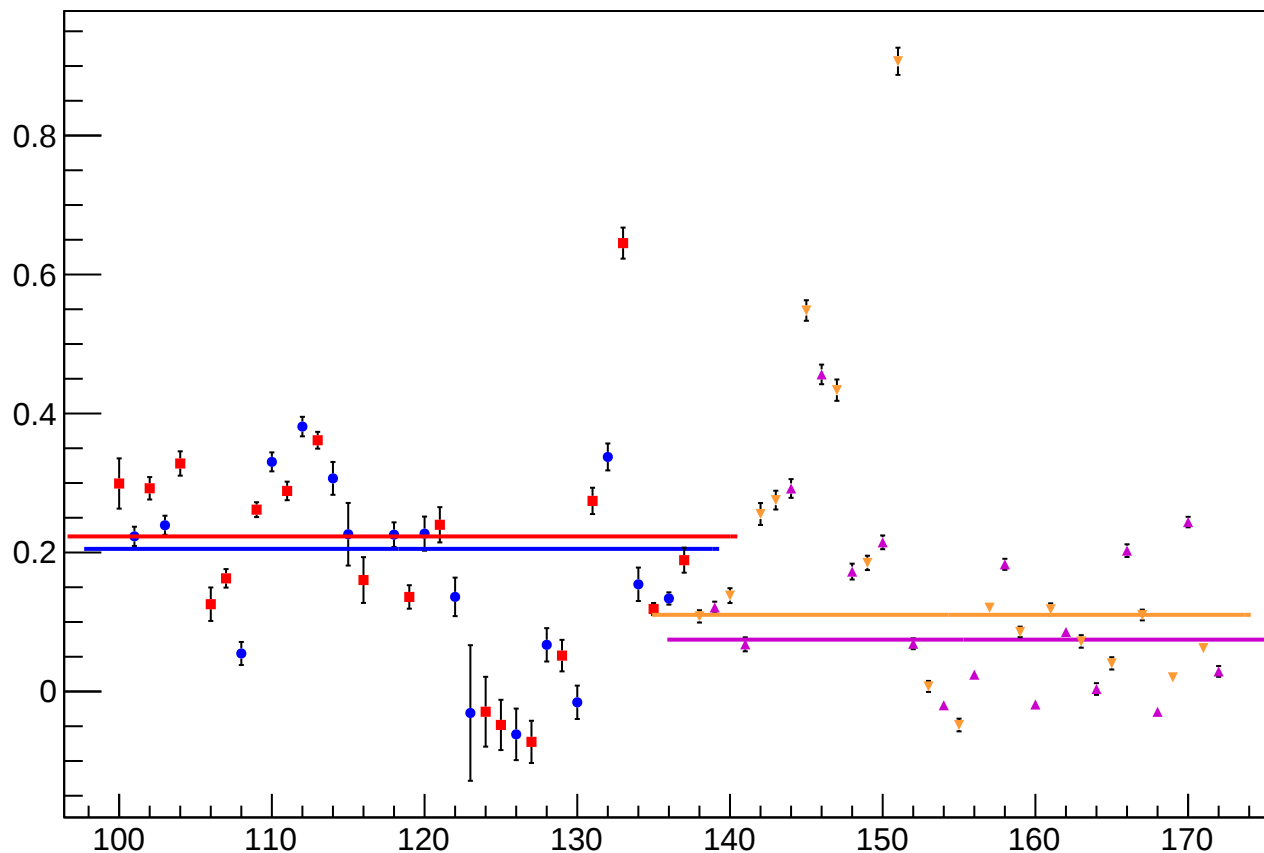
Right: -1.700+/-0.050 χ^2/NDF : 2678.8/35

In: -2.354+/-0.037 χ^2/NDF : 3640.6/33

Out: -2.647+/-0.039 χ^2/NDF : 4450.2/36

All: -2.491+/-0.027 χ^2/NDF : 8120.7/70

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.205 $\pm$ 0.004 χ^2 /NDF: 650.7/16

Left Out: 0.110 $\pm$ 0.002 χ^2 /NDF:4044.7/17

Right Out: 0.223 $\pm$ 0.004 χ^2 /NDF: 1040.5/18

Left In: 0.075 $\pm$ 0.002 χ^2 /NDF:3219.8/16

Left: 0.090 $\pm$ 0.001 χ^2 /NDF: 7423.0/34

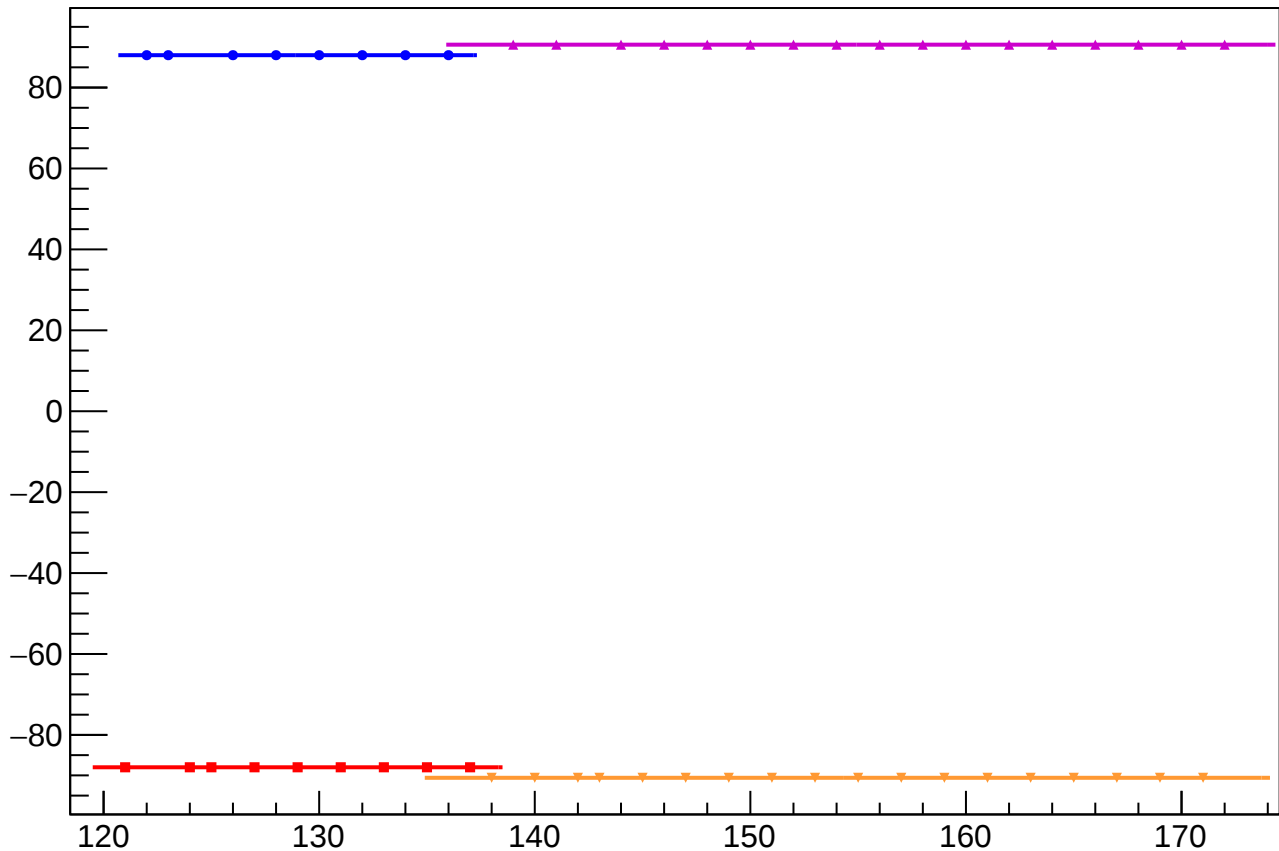
Right: 0.215 $\pm$ 0.003 χ^2 /NDF: 1700.9/35

In: 0.095 $\pm$ 0.002 χ^2 /NDF:4655.7/33

Out: 0.137 $\pm$ 0.002 χ^2 /NDF:5742.8/36

All: 0.114 $\pm$ 0.001 χ^2 /NDF: 10673.3/70

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 : 5218952.3/17

Right Out: -88.001+/-0.000 χ^2/NDF : 109456.0/8

Left In: 90.599+/-0.000 χ^2/NDF : 5092734.5/16

Left: -0.918+/-0.000 χ^2/NDF : 22685226650855430

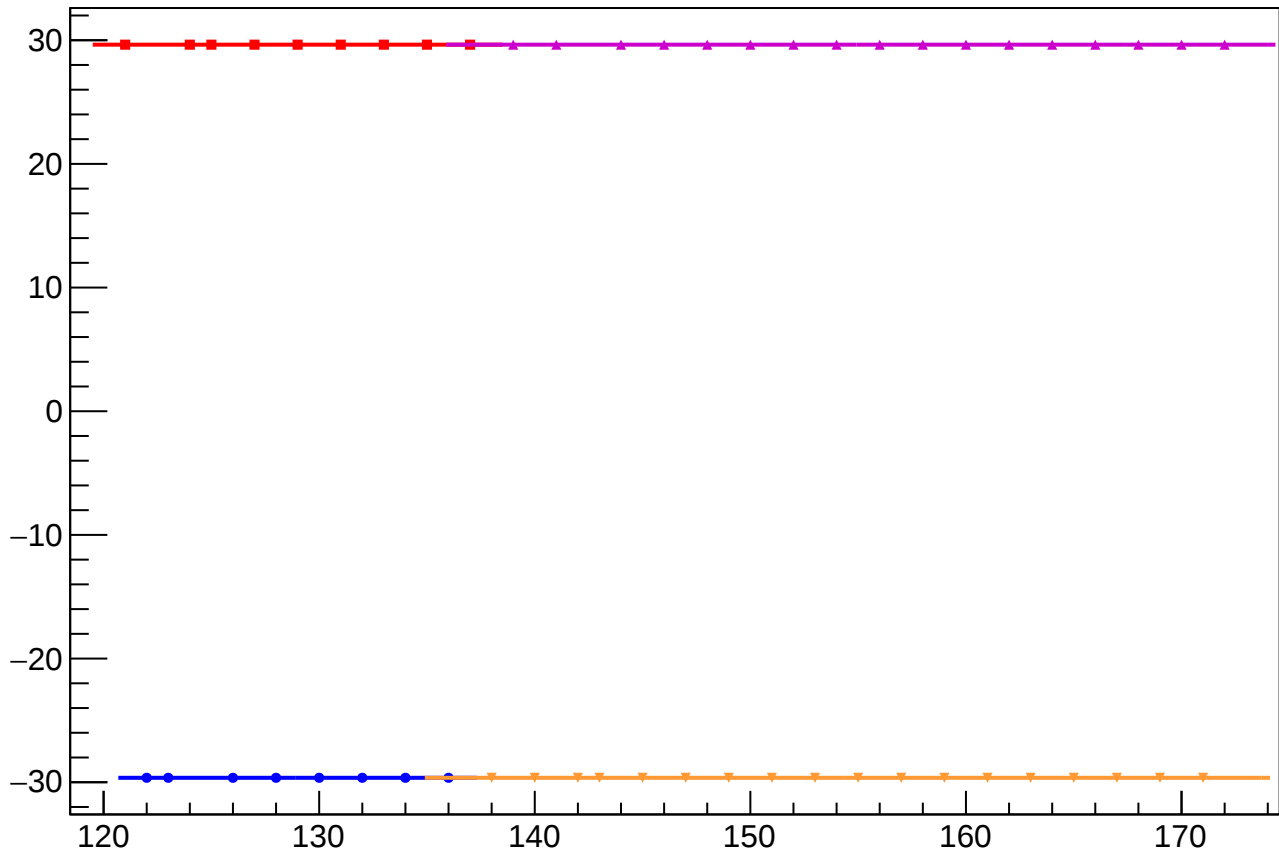
Right: 3.062+/-0.000 χ^2/NDF : 51126681569224617

In: 90.080+/-0.000 χ^2/NDF : 184753584105439968

Out: -90.116+/-0.000 χ^2/NDF : 1753431305478220

All: -0.150+/-0.000 χ^2/NDF : 2780634392254

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 : 228403.6/17

Right Out: 29.641+/-0.000 χ^2/NDF : 29358.2/8

Left In: 29.641+/-0.000 χ^2/NDF : 202251.3/16

Left: -0.300+/-0.000 χ^2/NDF : 24281218187310192

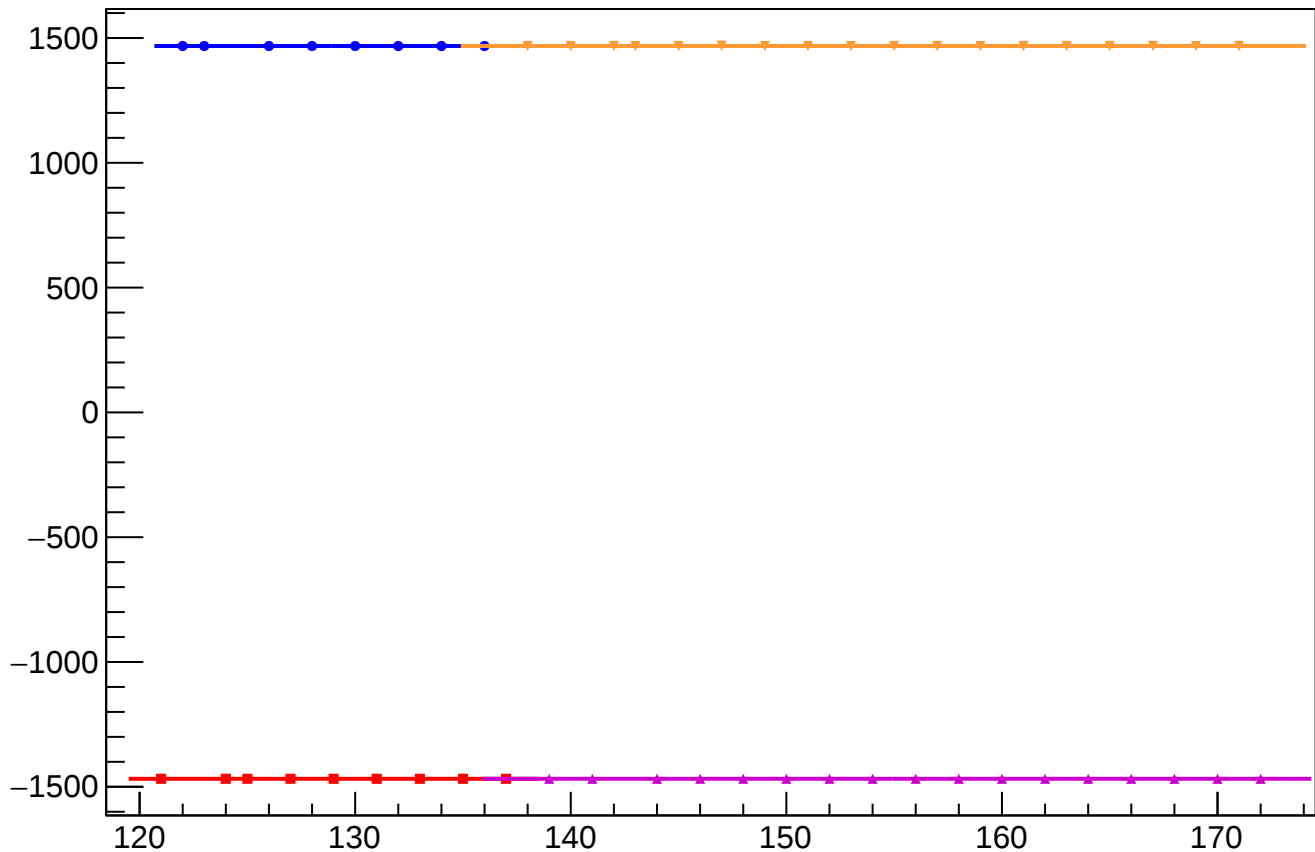
Right: -1.031+/-0.000 χ^2/NDF : 5800324943766944

In: 17.784+/-0.000 χ^2/NDF : 961508410741051682

Out: -18.614+/-0.000 χ^2/NDF : 9125338250064964

All: -0.441+/-0.000 χ^2/NDF : 3008439438834

psub_pl_pos_mean vs Slug, Sign Corrected



Right In: 1467.979 +/- 0.000 χ^2/NDF : 436234375.5/7

Left Out: 1468.066 +/- 0.000 χ^2/NDF : 126274638156017744473598694785024.0/17

Right Out: -1467.979 +/- 0.000 χ^2/NDF : 83183350.3/8

Left In: -1467.992 +/- 0.000 χ^2/NDF : 127535672486177554314249109504.0/16

Left: 14.908 +/- 0.000 χ^2/NDF : 59561092185841026

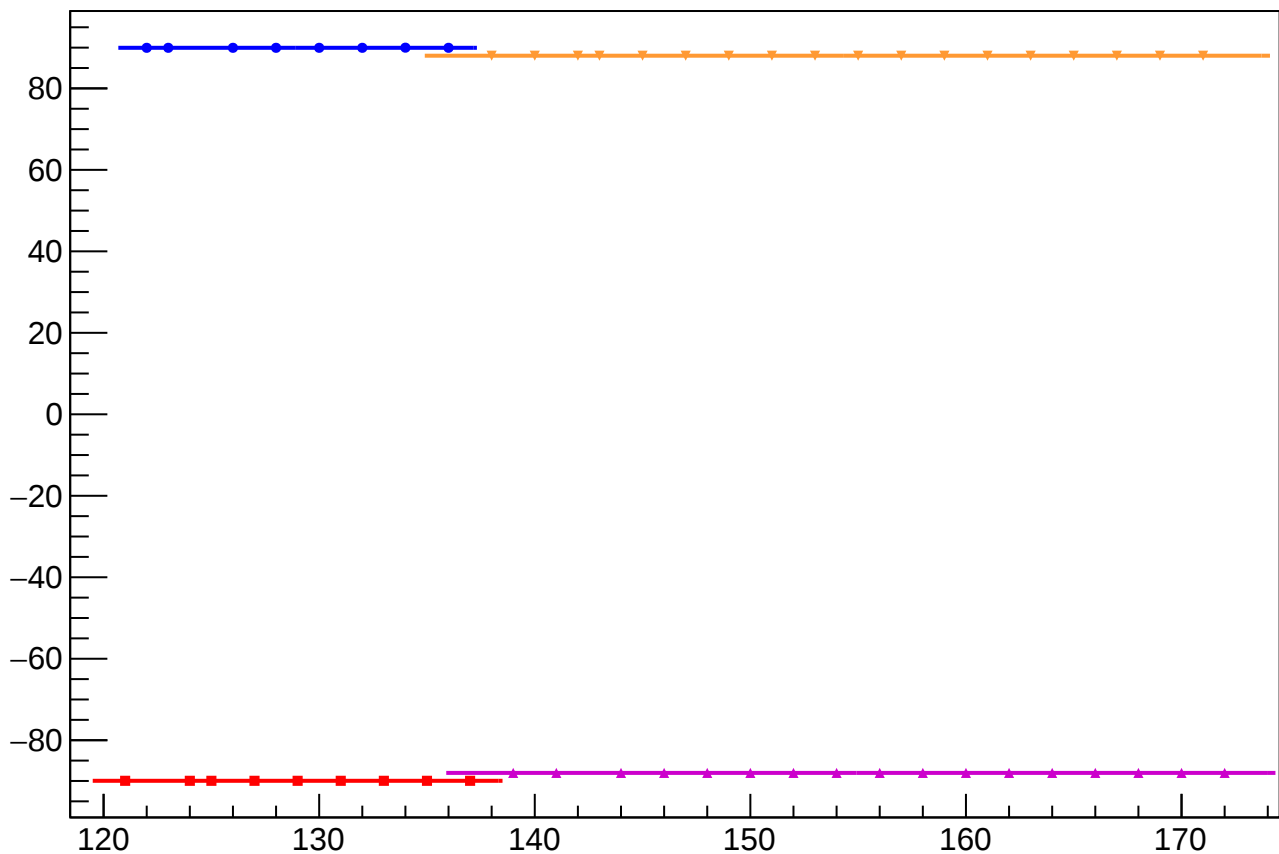
Right: 51.079 +/- 0.000 χ^2/NDF : 1422706063207371

In: -880.798 +/- 0.000 χ^2/NDF : 2358411990190531

Out: 921.944 +/- 0.000 χ^2/NDF : 2238398674483672

All: 21.889 +/- 0.000 χ^2/NDF : 7379513193671

Phi_FG_mean vs Slug, Sign Corrected



Right In: 89.961+/-0.000 χ^2/NDF : 21528640598708602874349223936.0/7

Left Out: 88.021+/-0.000 χ^2/NDF : 4601798.0/17

Right Out: -89.959+/-0.000 χ^2/NDF : 331397.3/8

Left In: -88.021+/-0.000 χ^2/NDF : 4607452.6/16

Left: 0.892+/-0.000 χ^2/NDF : 214122909145389537

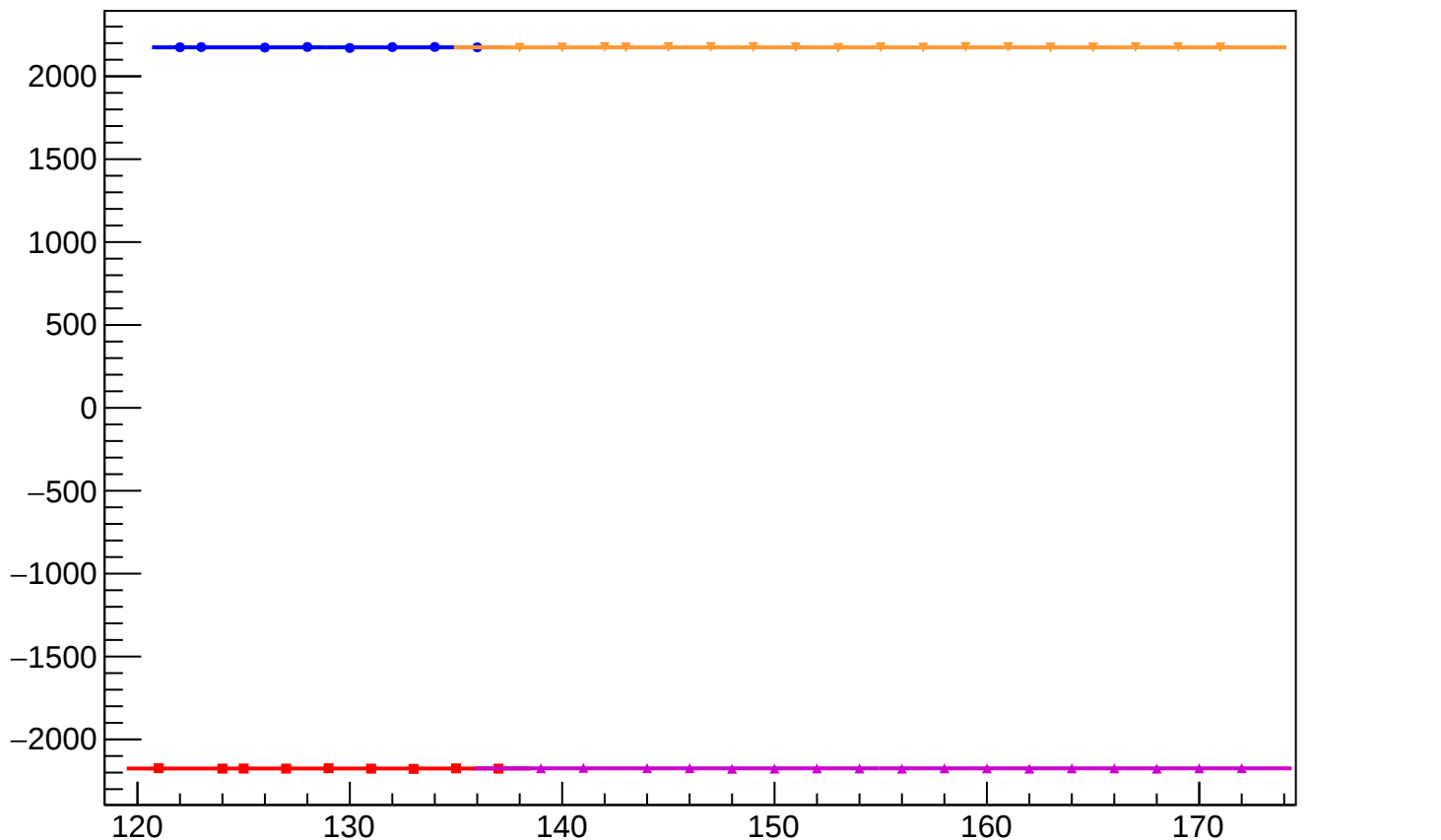
Right: 3.131+/-0.000 χ^2/NDF : 53429021948733419

In: -52.424+/-0.000 χ^2/NDF : 86669921377416337

Out: 54.915+/-0.000 χ^2/NDF : 82253499051017937

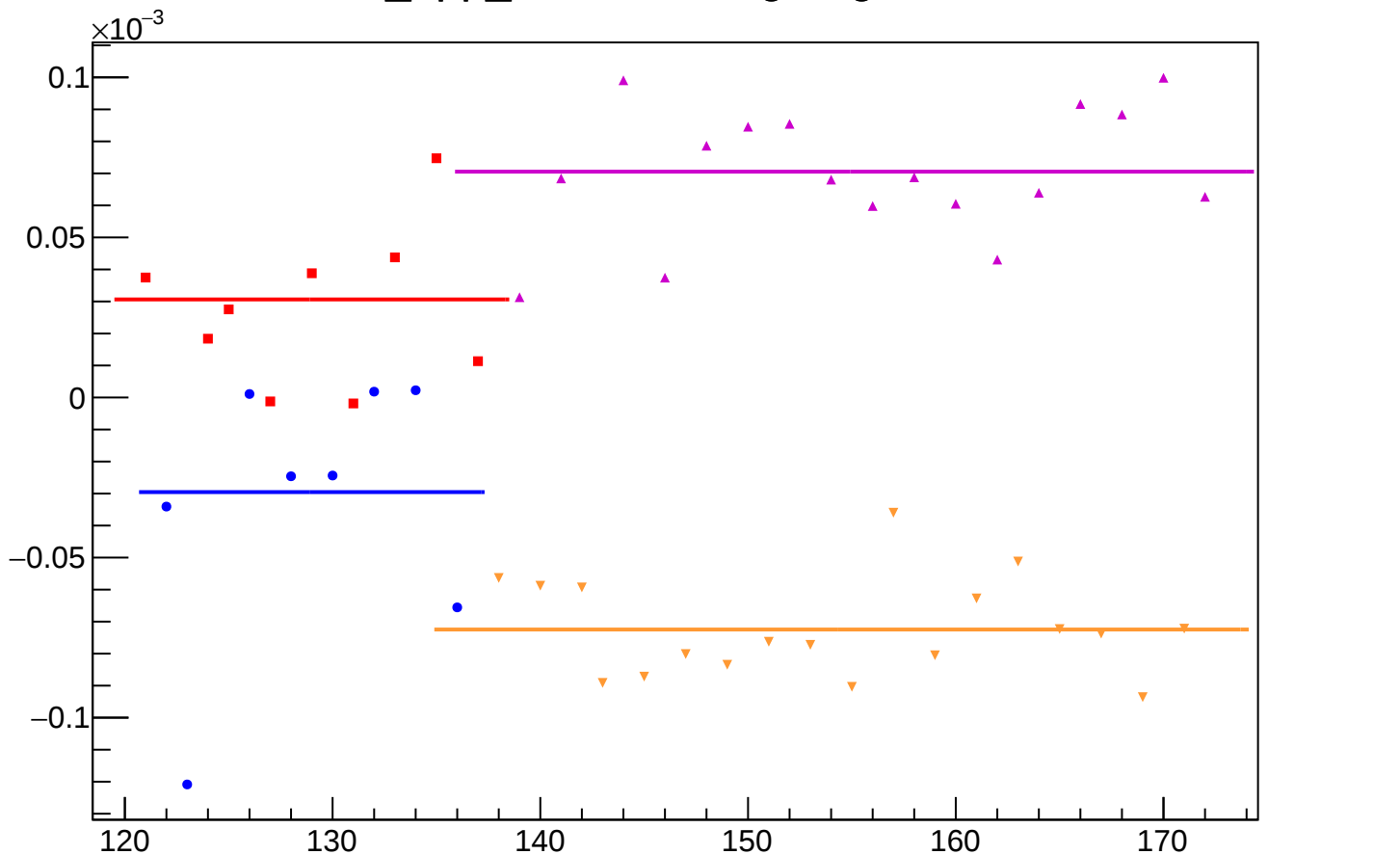
All: 1.324+/-0.000 χ^2/NDF : 26757868655848

HALLA_p_mean vs Slug, Sign Corrected



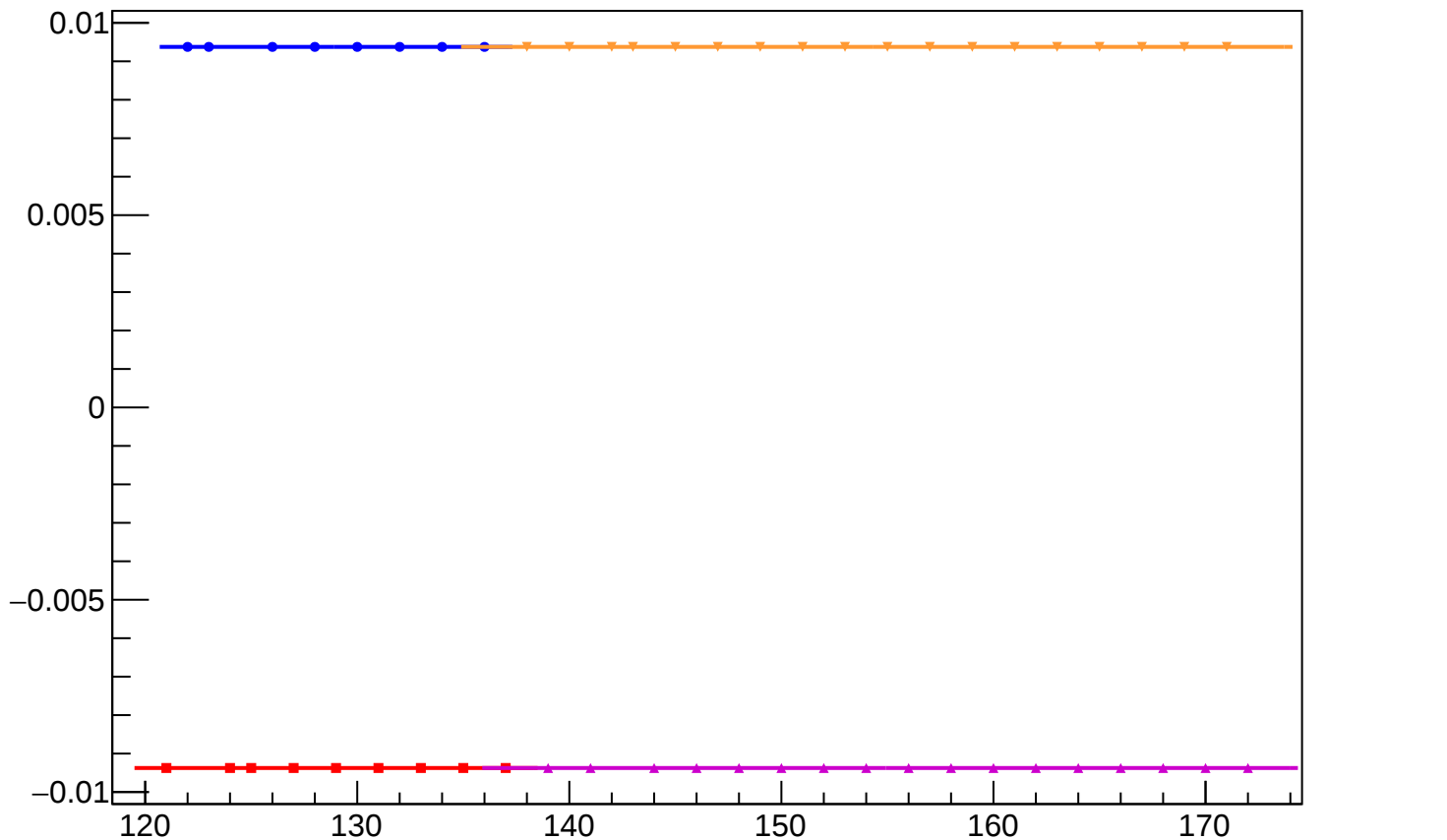
Right In: 2174.572 $\pm$ 0.000 χ^2 /NDF: 1360264074026849381407550448074752.0/7
 Left Out: 2174.558 $\pm$ 0.000 χ^2 /NDF: 3961617957074318991492364684492800.0/17
 Right Out: -2175.442 $\pm$ 0.000 χ^2 /NDF: 610778445075790556034346524868608.0/8
 Left In: -2174.551 $\pm$ 0.000 χ^2 /NDF: 2817186094952064124325174219636736.0/16
 All: 32.302 $\pm$ 0.000 χ^2 /NDF: 1619344263144

HALLA_dpp_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000	χ^2/NDF : 250161267307815387529216.0/7	Left: -0.000+/-0.000	χ^2/NDF : 14973364277307196
Left Out: -0.000+/-0.000	χ^2/NDF : 316521891822752208257024.0/17	Right: -0.000+/-0.000	χ^2/NDF : 1044577663810456
Right Out: 0.000+/-0.000	χ^2/NDF : 196732771178766734983168.0/8	In: 0.000+/-0.000	χ^2/NDF : 3516009785629882108
Left In: 0.000+/-0.000	χ^2/NDF : 525124606031909049335808.0/16	Out: -0.000+/-0.000	χ^2/NDF : 32736551578109542
		All: -0.000+/-0.000	χ^2/NDF : 1601869332063

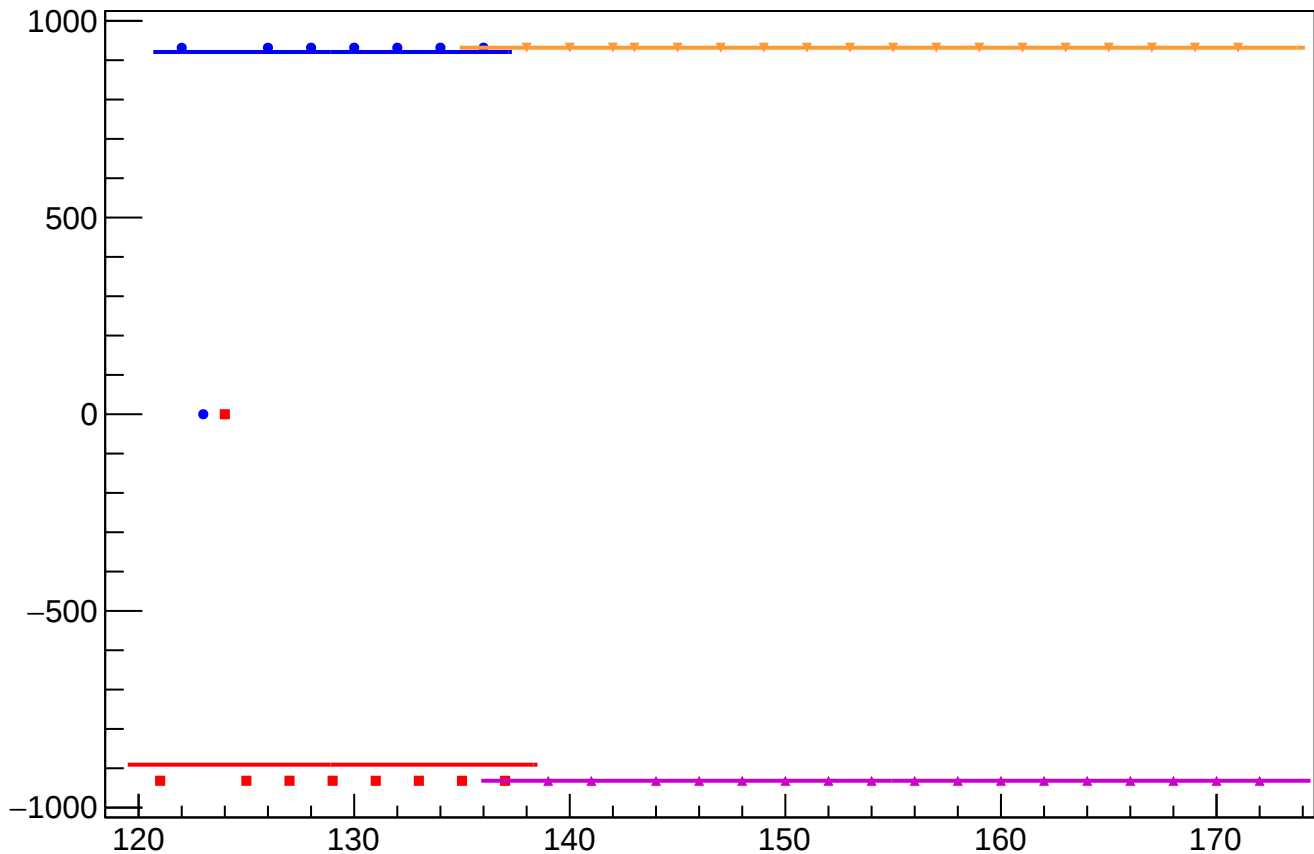
MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/7
Left Out: 0.009 $\pm$ 0.000 χ^2/NDF : 0.0/17
Right Out: -0.009 $\pm$ 0.000 χ^2/NDF : 0.0/8
Left In: -0.009 $\pm$ 0.000 χ^2/NDF : 0.1/16

Left: 0.000 $\pm$ 0.000 χ^2/NDF : 242904757597683900
Right: 0.000 $\pm$ 0.000 χ^2/NDF : 58025364031769994
In: -0.006 $\pm$ 0.000 χ^2/NDF : 961874999999997725
Out: 0.006 $\pm$ 0.000 χ^2/NDF : 912881741982505342
All: 0.000 $\pm$ 0.000 χ^2/NDF : 30095864507299

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 920.898+/-0.000

χ^2/NDF : 3432128841951899861299566212080992256.0/7

Left Out: 931.784+/-0.000

χ^2/NDF : 3845305844464548797182728208384.0/17

Right Out: -890.923+/-0.000

χ^2/NDF : 11621671430114409722932854398744788992.0/8

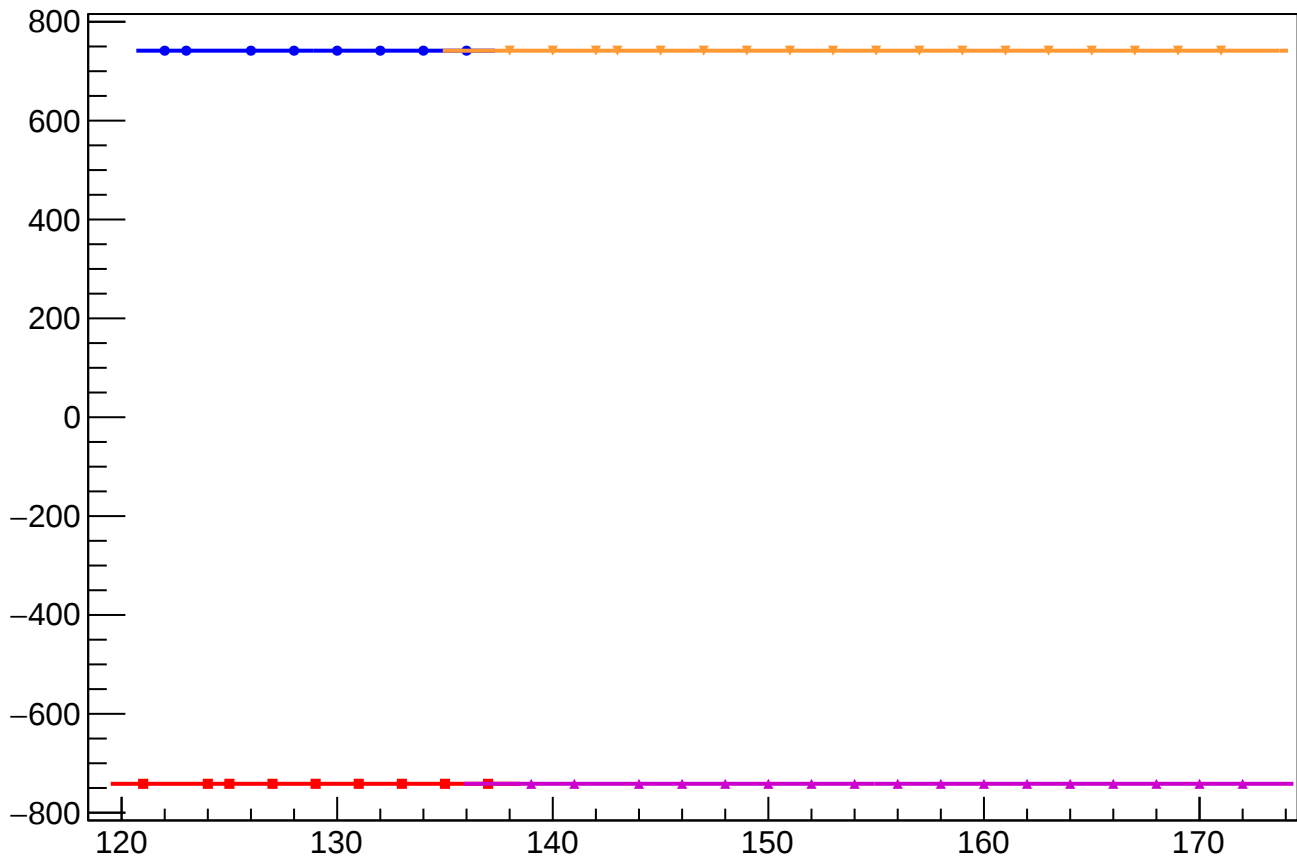
Left In: -931.774+/-0.000

χ^2/NDF : 3423635193486442519289191727104.0/16

χ^2/NDF : 2957087741535

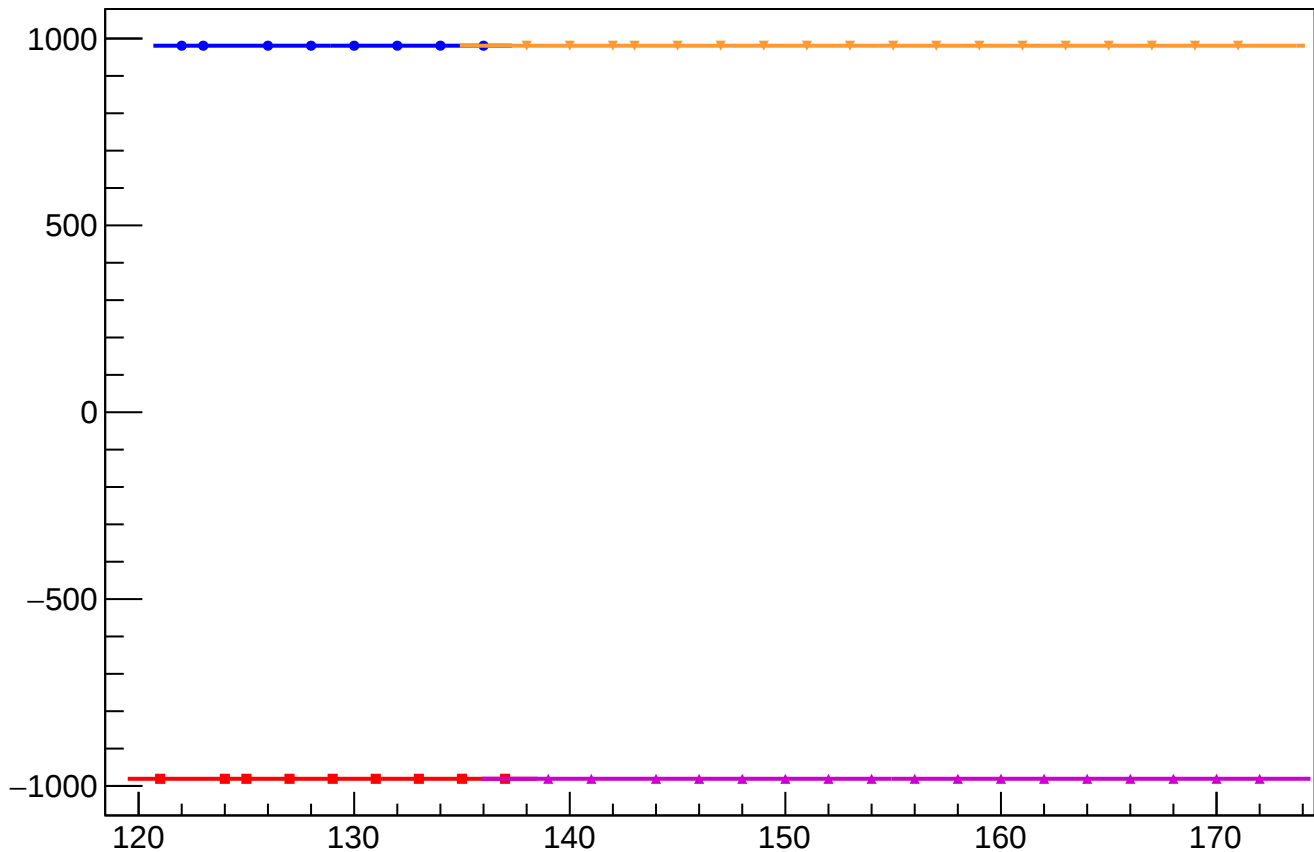
All: 16.597+/-0.000

HacL_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



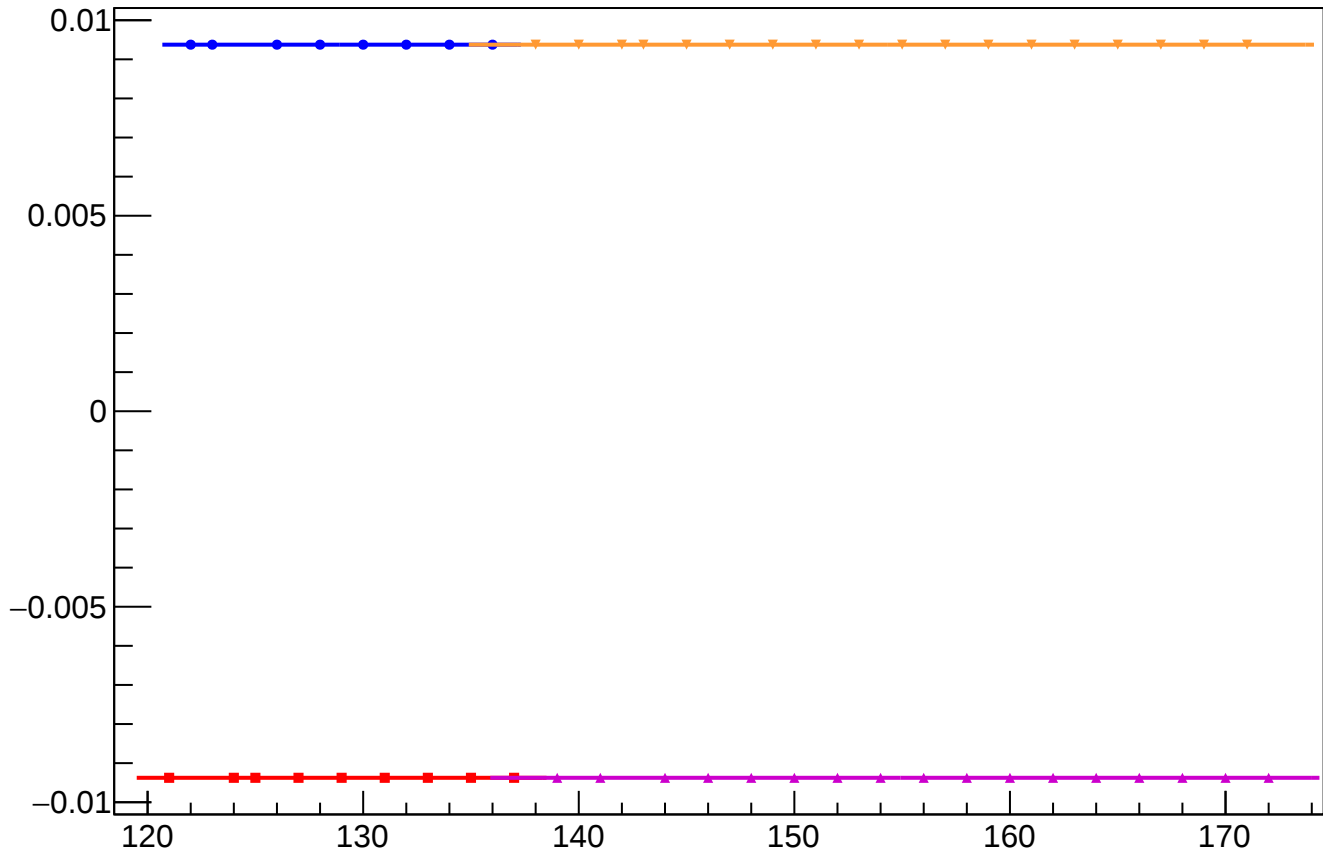
Right In: 741.528+/-0.000 χ^2/NDF : 18896144326732419810052800512.0/7
 Left Out: 741.513+/-0.000 χ^2/NDF : 181213363206903929492855586816.0/17
 Right Out: -741.529+/-0.000 χ^2/NDF : 16580353917842624420385914880.0/8
 Left In: -741.513+/-0.000 χ^2/NDF : 163634028006503113282012839936.0/16
 All: 11.042+/-0.000 χ^2/NDF : 1882805552161

HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Left: 9.932 +/- 0.000 χ^2/NDF : 265845808814323504
 Right: 34.132 +/- 0.000 χ^2/NDF : 6351195317188543
 In: -588.456 +/- 0.000 χ^2/NDF : 1052779872513273
 Out: 615.902 +/- 0.000 χ^2/NDF : 9991414530043536
 All: 14.602 +/- 0.000 χ^2/NDF : 3293890026443

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 : 0.0/17

Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8

Left In: -0.009+/-0.000 χ^2/NDF : 0.1/16

Left: 0.000+/-0.000 χ^2/NDF : 242904757597683900

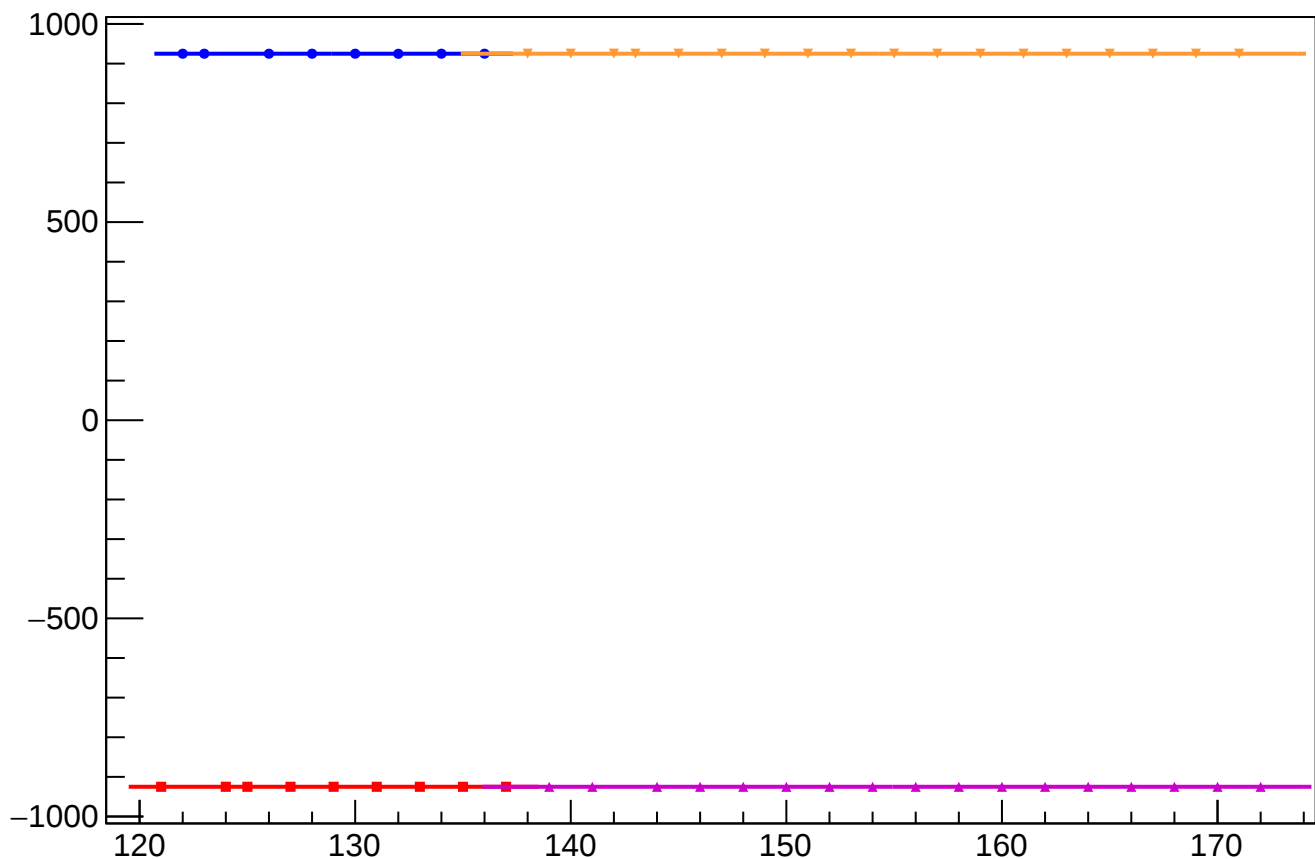
Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994

In: -0.006+/-0.000 χ^2/NDF : 961874999999997725

Out: 0.006+/-0.000 χ^2/NDF : 912881741982505342

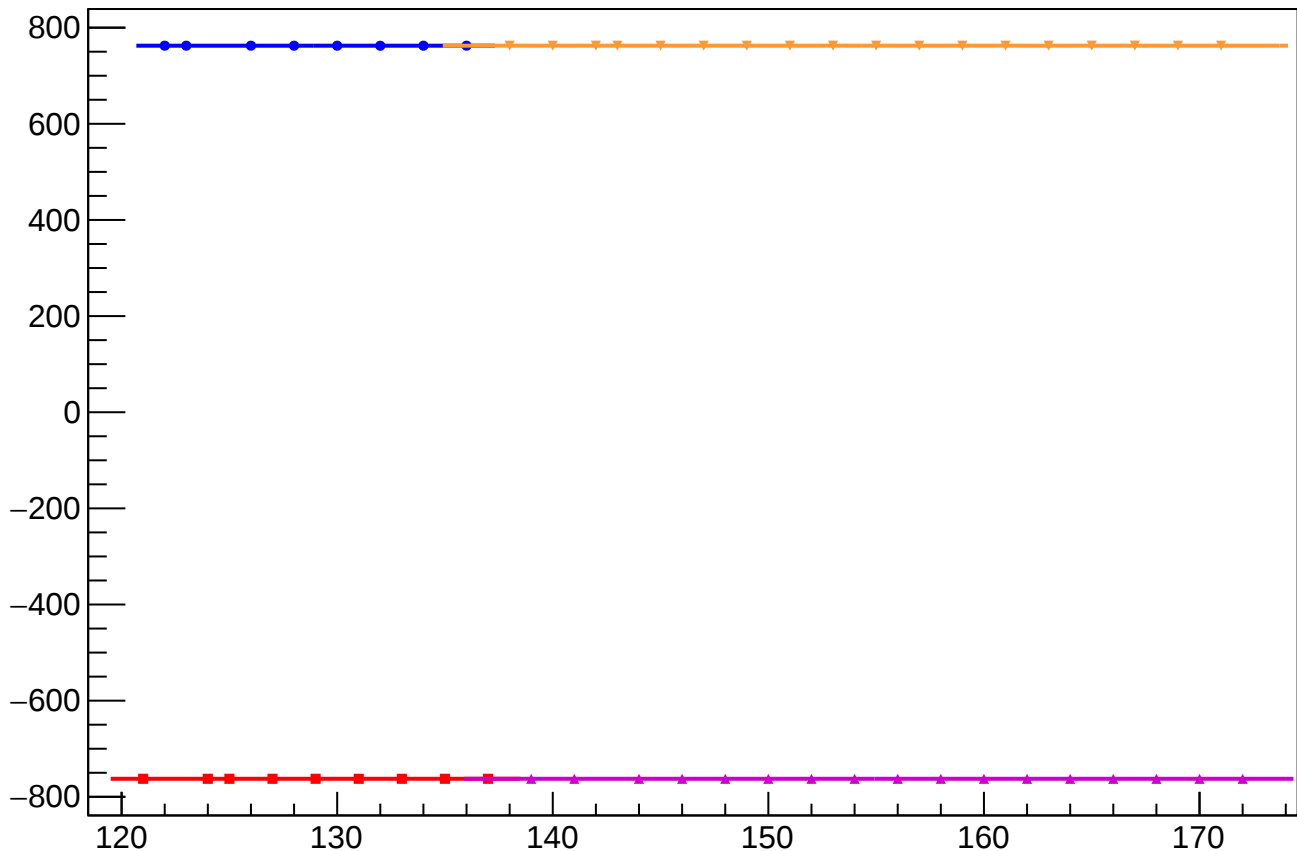
All: 0.000+/-0.000 χ^2/NDF : 30095864507295

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



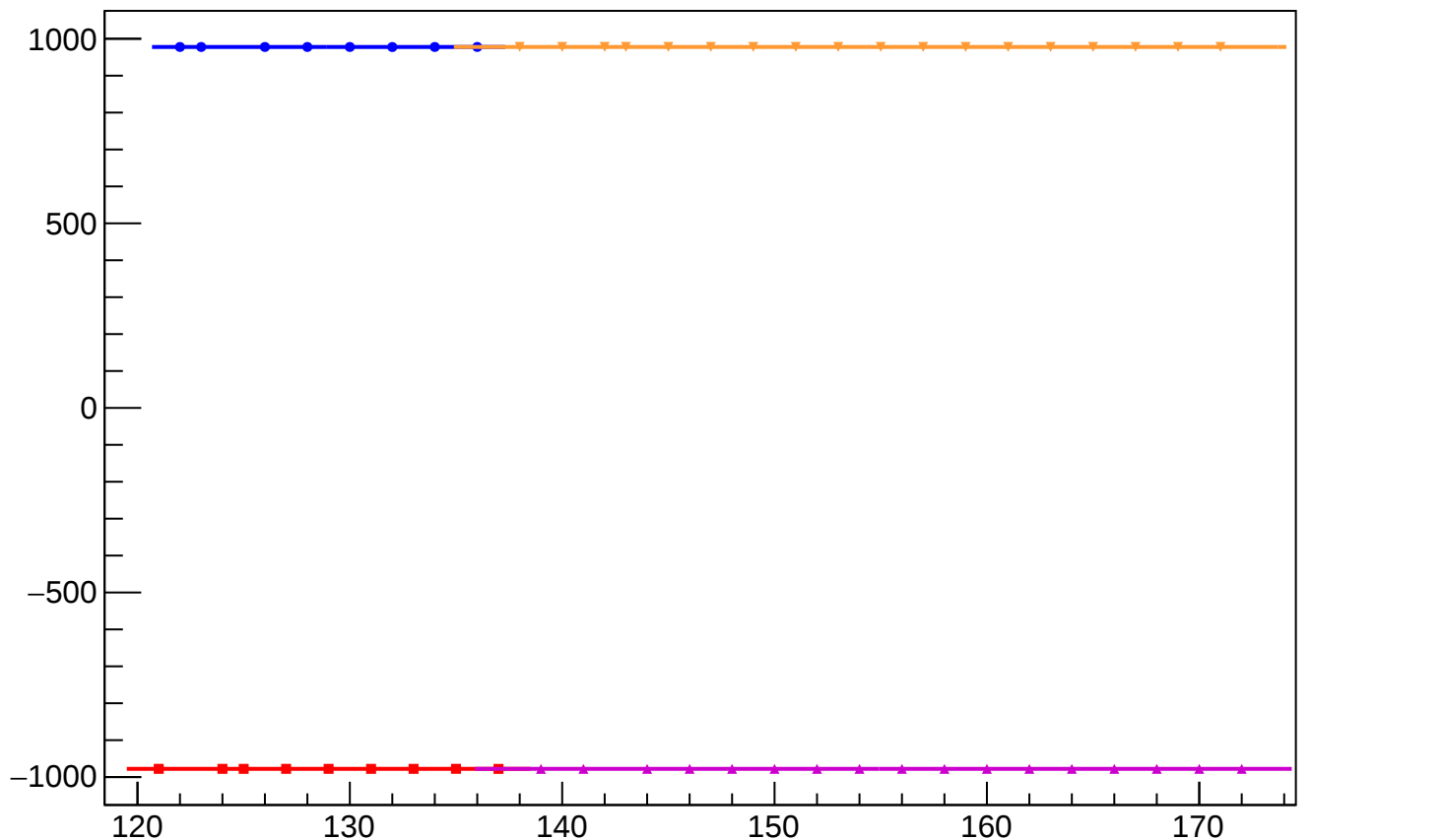
Right In: 924.939+/-0.000	χ^2/NDF : 1401458495809517406218388242432.0/7	Left: 9.369+/-0.000	χ^2/NDF : 236463064968647174
Left Out: 924.984+/-0.000	χ^2/NDF : 810056527863154047455145754624.0/17	Right: 32.175+/-0.000	χ^2/NDF : 5648201825061875
Right Out: -924.957+/-0.000	χ^2/NDF : 71808709366506786060310151168.0/8	In: -555.001+/-0.000	χ^2/NDF : 9363210227802130
Left In: -924.987+/-0.000	χ^2/NDF : 683005645995606135537664000000.0/16	Out: 580.885+/-0.000	χ^2/NDF : 8886444043069414
	All: 13.771+/-0.000		χ^2/NDF : 2929728280303

HacR_D1_HP3458A_IOUT_mean vs Slug, Sign Corrected



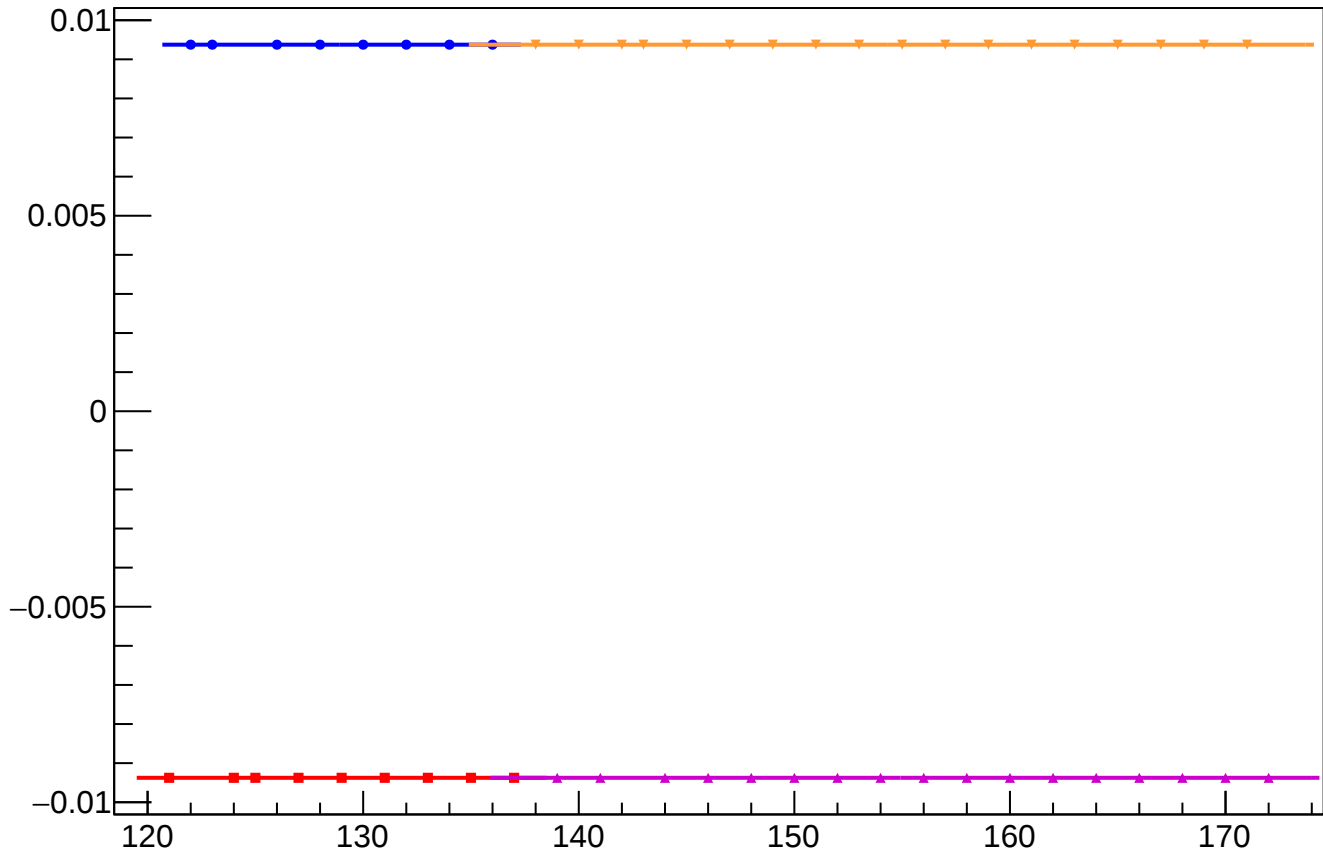
Right In: 762.484+/-0.000 χ^2/NDF : 784430761251084401798891438080.0/7
 Left Out: 762.512+/-0.000 χ^2/NDF : 500873153590950546919126990848.0/17
 Right Out: -762.501+/-0.000 χ^2/NDF : 469794702848036819563446272.0/8
 Left In: -762.513+/-0.000 χ^2/NDF : 448718493842171913033146695680.0/16
 All: 11.352+/-0.000 χ^2/NDF : 1990920840376

HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 977.741+/-0.000 χ^2/NDF : 1738104571804792841781326643200.0/7
 Left Out: 977.740+/-0.000 χ^2/NDF : 1091446426683871826807453908992.0/17
 Right Out: -977.737+/-0.000 χ^2/NDF : 772313054358211830610902646784.0/8
 Left In: -977.736+/-0.000 χ^2/NDF : 938770340651615120067913580544.0/16
 All: 14.561+/-0.000 χ^2/NDF : 3273476552925

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/7

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF:0.0/17

Right Out: -0.009 $\pm$ 0.000 χ^2 /NDF: 0.0/8

Left In: -0.009 $\pm$ 0.000 χ^2 /NDF:0.1/16

Left: 0.000 $\pm$ 0.000 χ^2 /NDF: 242904757597683900

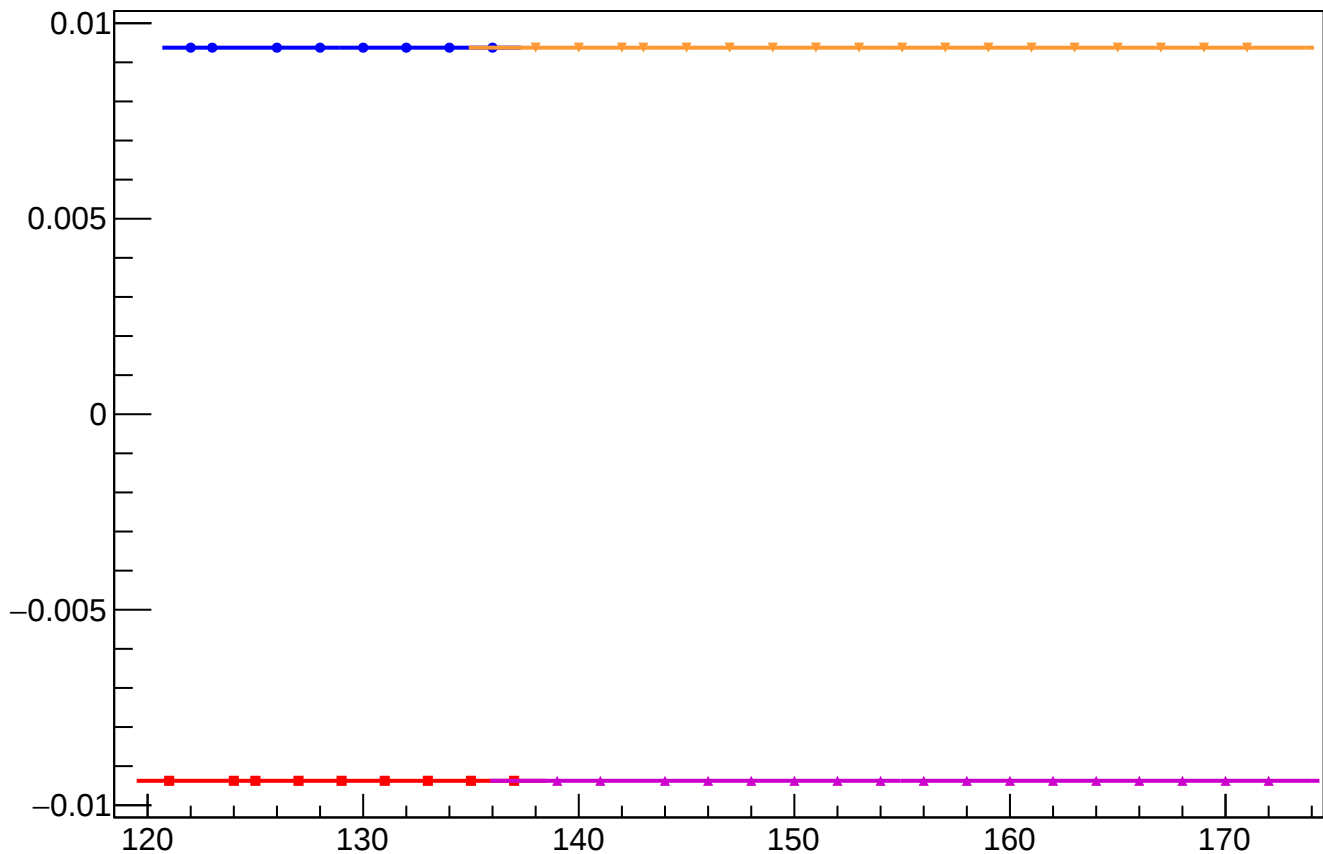
Right: 0.000 $\pm$ 0.000 χ^2 /NDF: 58025364031769994

In: -0.006 $\pm$ 0.000 χ^2 /NDF:96187499999997725

Out: 0.006 $\pm$ 0.000 χ^2 /NDF:912881741982505342

All: 0.000 $\pm$ 0.000 χ^2 /NDF: 30095864507299

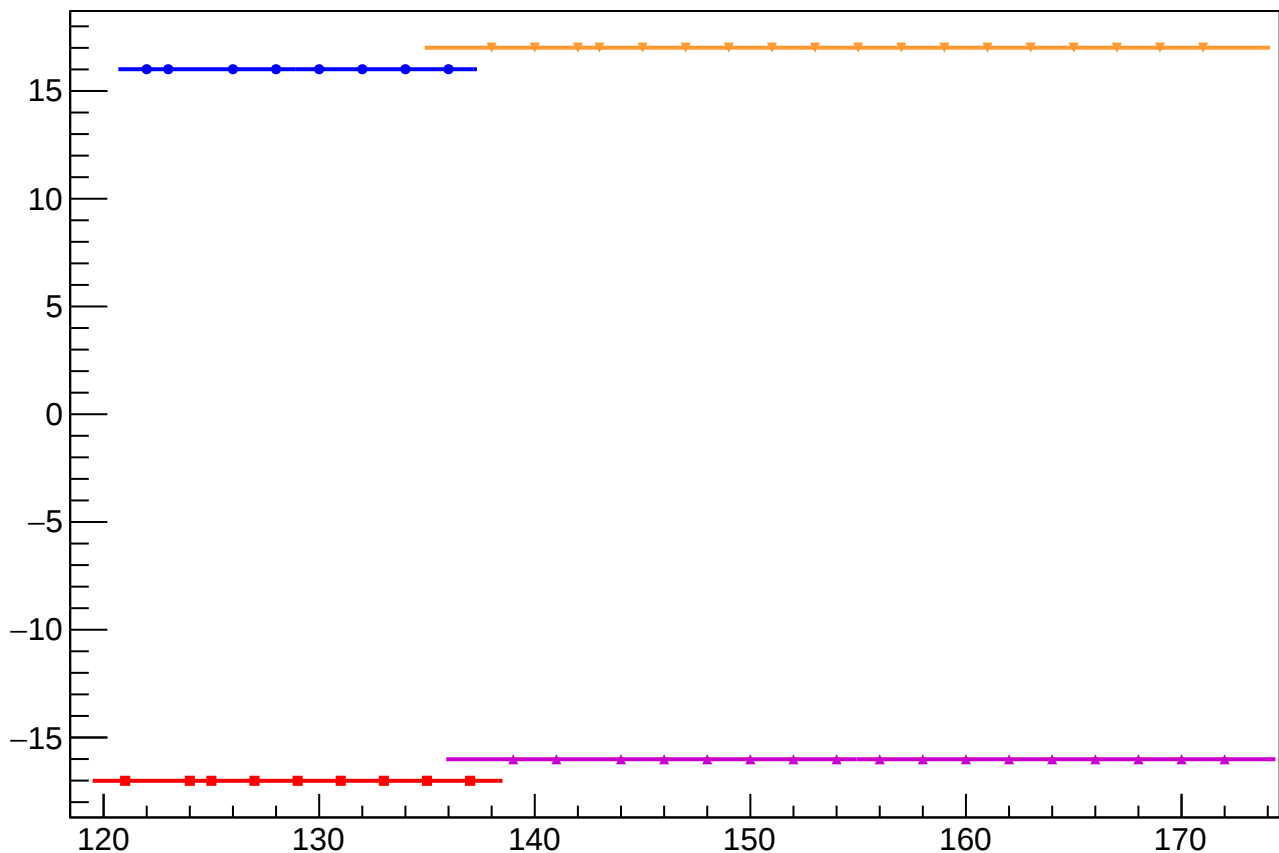
MSUPERBIGBITereadcalc_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF : 0.0/7
 Left Out: 0.009+/-0.000 χ^2/NDF : 0.0/17
 Right Out: -0.009+/-0.000 χ^2/NDF : 0.0/8
 Left In: -0.009+/-0.000 χ^2/NDF : 0.1/16

Left: 0.000+/-0.000 χ^2/NDF : 242904757597683900
 Right: 0.000+/-0.000 χ^2/NDF : 58025364031769994
 In: -0.006+/-0.000 χ^2/NDF : 961874999999997725
 Out: 0.006+/-0.000 χ^2/NDF : 912881741982505342
 All: 0.000+/-0.000 χ^2/NDF : 30095864507299

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 : 20986789774034711395434496.0/17

Right Out: -17.009+/-0.000 χ^2/NDF : 8333578329558812540796928.0/8

Left In: -16.009+/-0.000 χ^2/NDF : 126061921088128723976192.0/16

Left: 0.674+/-0.000 χ^2/NDF : 697396453323453007

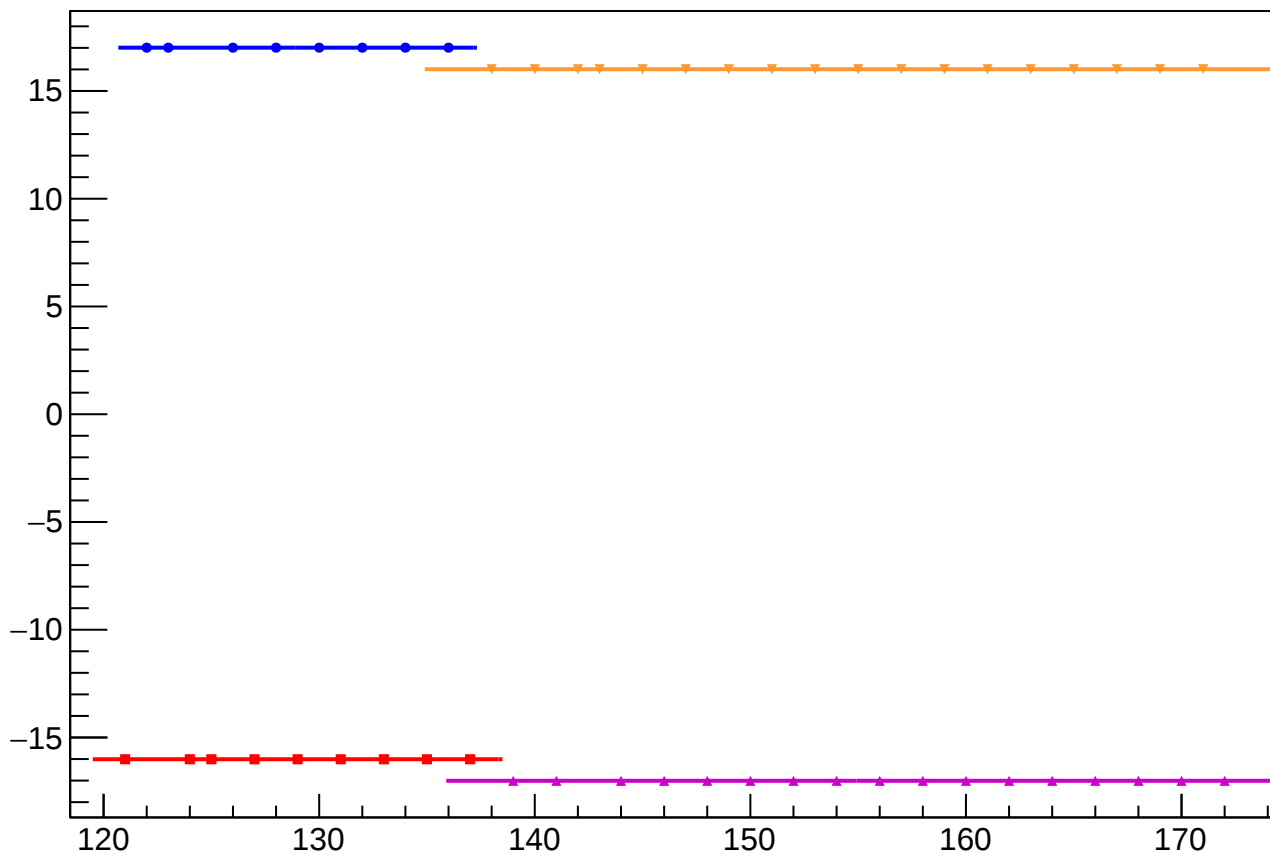
Right: -0.126+/-0.000 χ^2/NDF : 1683539334964133

In: -9.614+/-0.000 χ^2/NDF : 259252521243905708

Out: 10.568+/-0.000 χ^2/NDF : 28331837859935756

All: 0.518+/-0.000 χ^2/NDF : 86606901819097

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009 $\pm$ 0.000 χ^2/NDF : 76109.3/7

Left Out: 16.009 $\pm$ 0.000 χ^2/NDF : 77914.2/17

Right Out: -16.009 $\pm$ 0.000 χ^2/NDF : 17859.8/8

Left In: -17.009 $\pm$ 0.000 χ^2/NDF : 113286352833222811844608.0/16

Left: -0.222 $\pm$ 0.000 χ^2/NDF : 74387597022590664

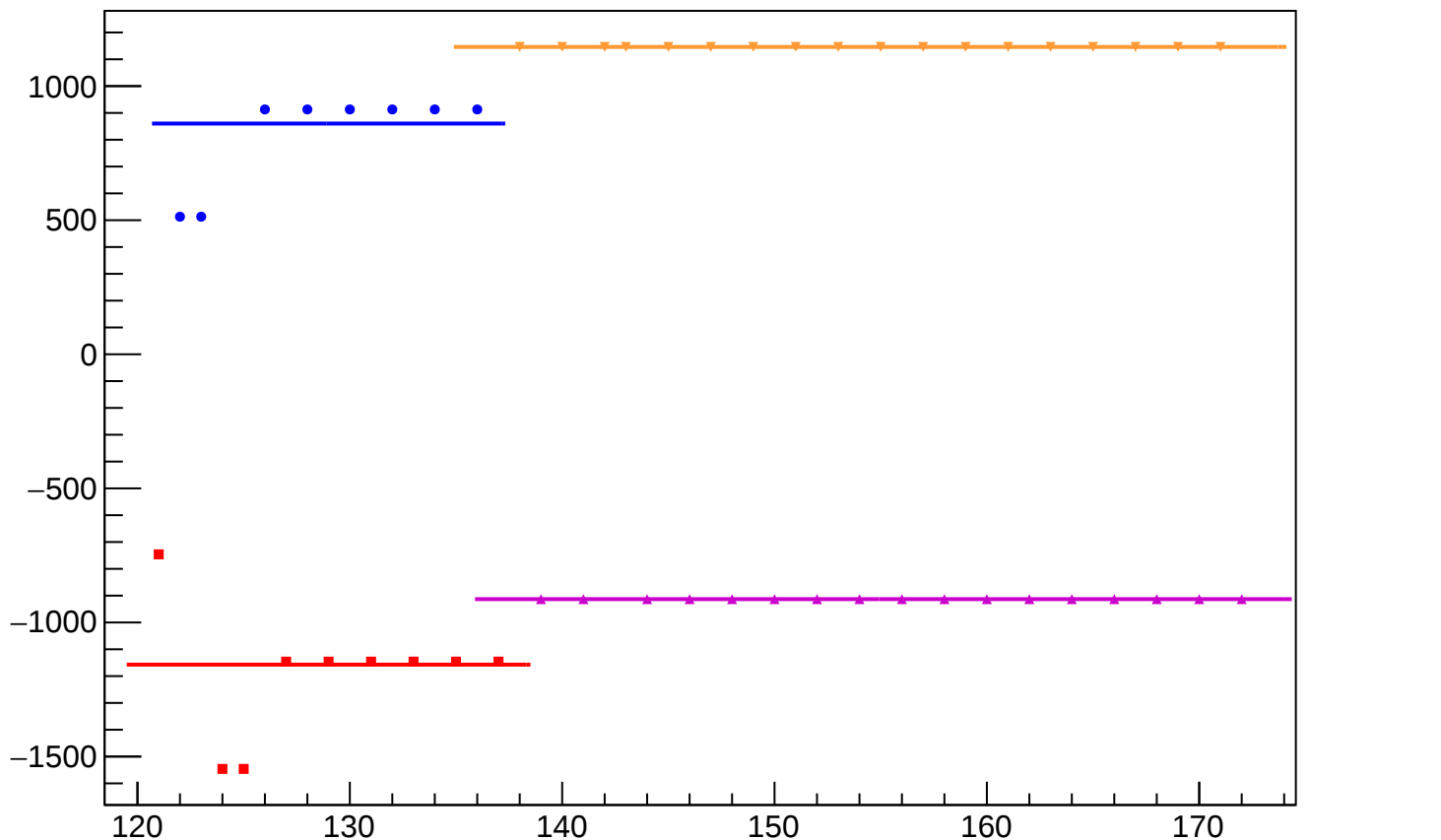
Right: 1.074 $\pm$ 0.000 χ^2/NDF : 17994367493156690

In: -10.101 $\pm$ 0.000 χ^2/NDF : 31540834426344758

Out: 10.026 $\pm$ 0.000 χ^2/NDF : 26592267724782182

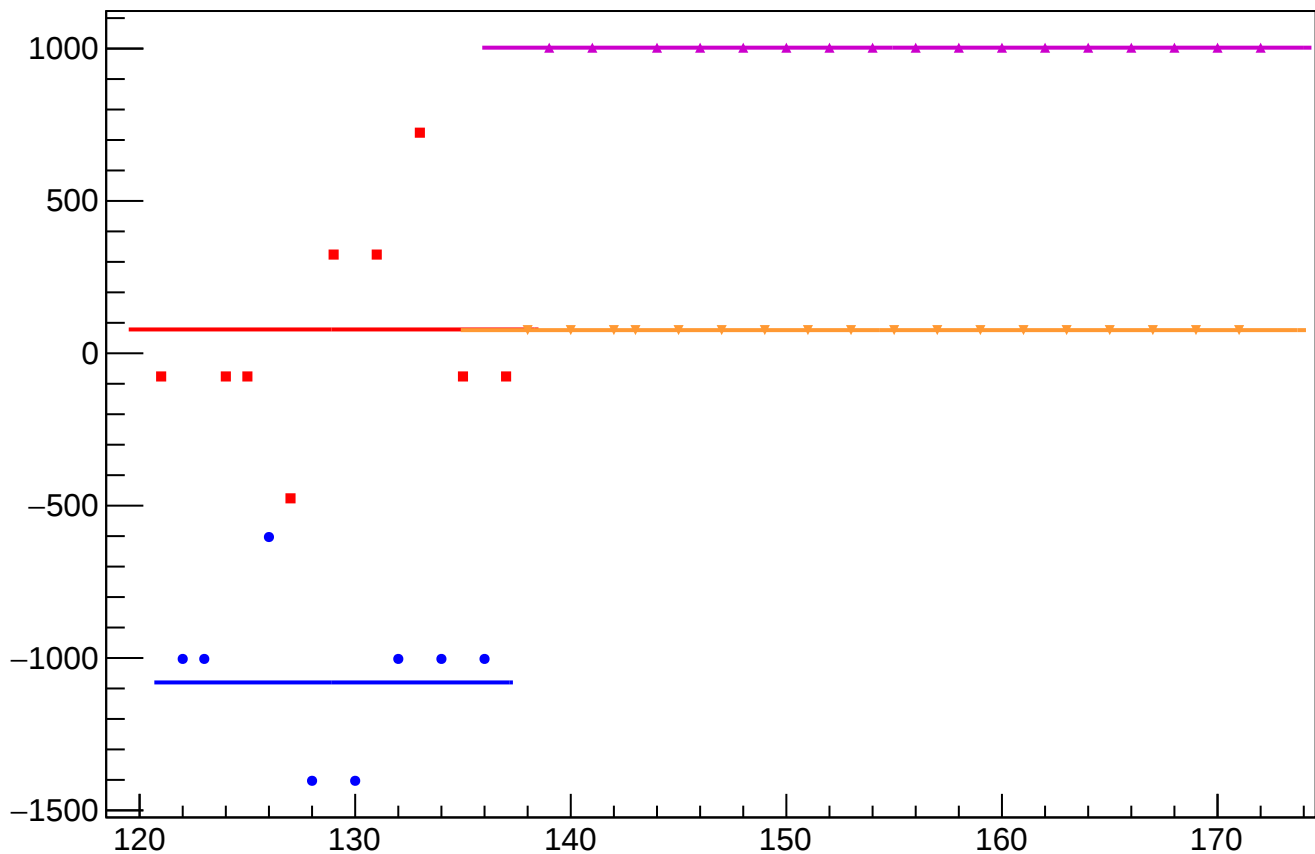
All: 0.031 $\pm$ 0.000 χ^2/NDF : 92471383711421

RTPAPOSUCNT_mean vs Slug, Sign Corrected



Left: 126.937 ± 0.000 $\chi^2/\text{NDF}: 2929196971757831$
 Right: -113.364 ± 0.000 $\chi^2/\text{NDF}: 69204021310114$
 Left Out: 1146.011 ± 0.000 $\chi^2/\text{NDF}: 4441629938116583153639358464.0/17$
 Right Out: -1157.295 ± 0.000 $\chi^2/\text{NDF}: 13880040120623316310083946144856014848.0/8$
 Left In: -912.995 ± 0.000 $\chi^2/\text{NDF}: 18210664974895391732131692544.0/16$
 All: 80.561 ± 0.000 $\chi^2/\text{NDF}: 365204013506$

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Right In: -1080.182+/-0.000

χ^2/NDF : 21641787691490496475350584298794123264.0/7

Left Out: 76.011+/-0.000

χ^2/NDF : 9907772313390455921026531328.0/17

Right Out: 78.224+/-0.000

χ^2/NDF : 39611265375063350144036471826150326272.0/8

Left In: 1002.990+/-0.000

χ^2/NDF : 2042253189291631827797147648.0/16

All: 331.017+/-0.000

χ^2/NDF : 14712211695